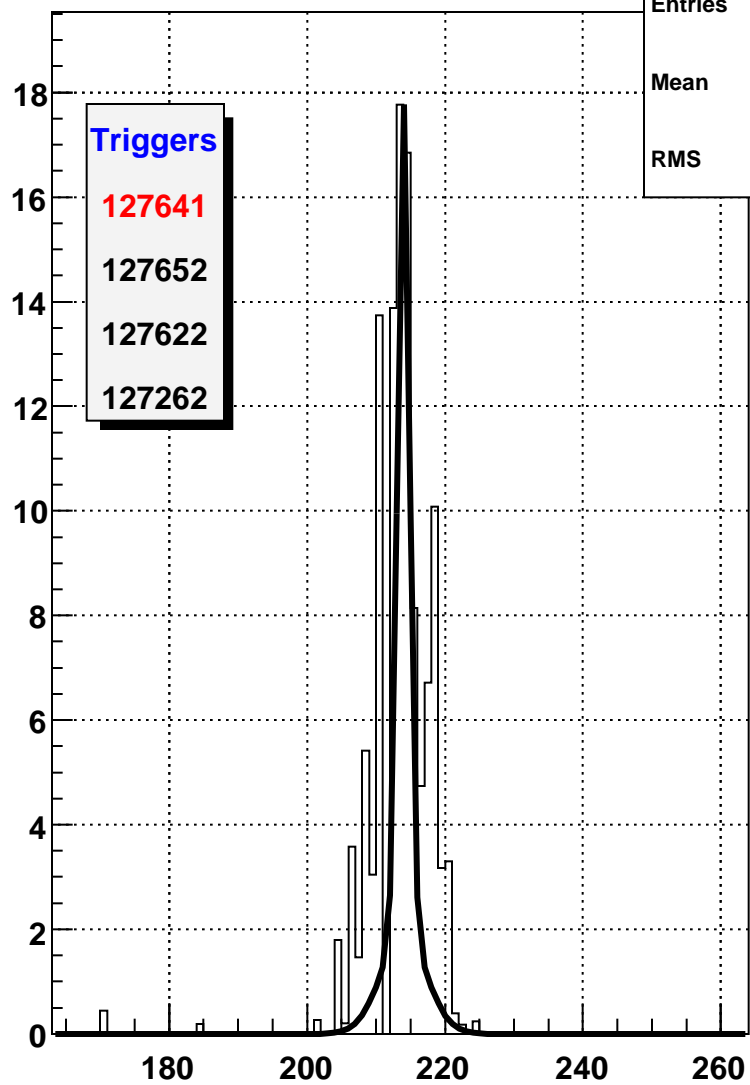


Run=7099046, Event=29815

**hSmdu**

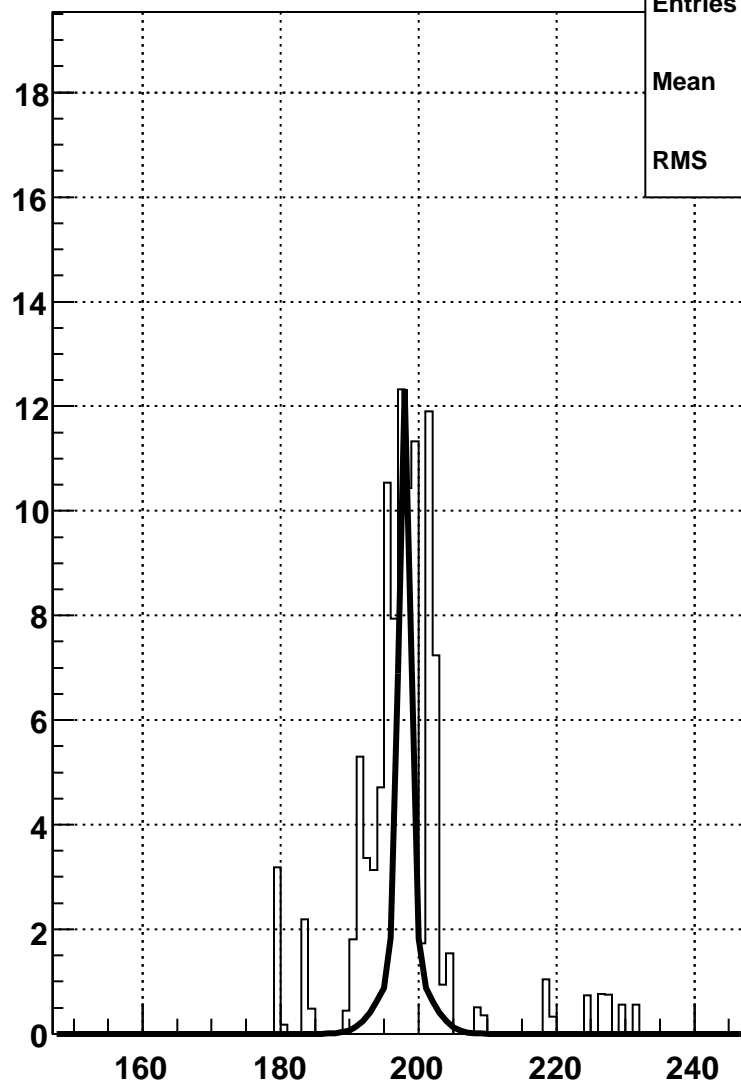
Entries	22
Mean	213.5
RMS	4.672



$p_T=6.2$  GeV,  $E=9.4$  GeV

**hSmdv**

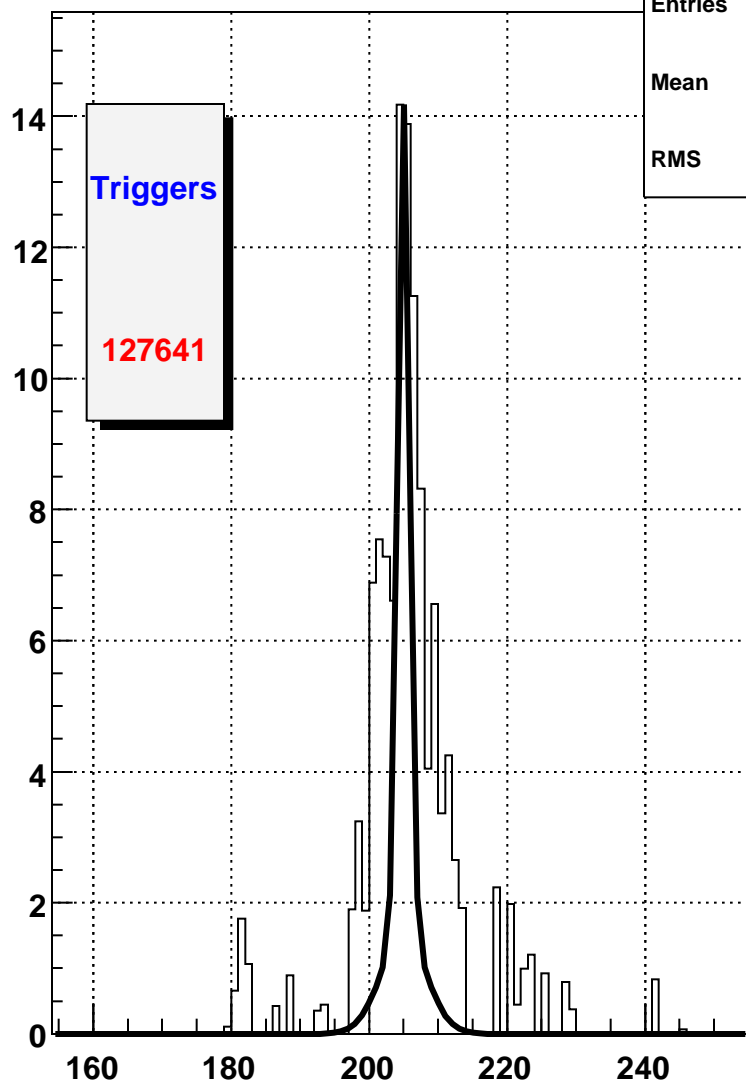
Entries	29
Mean	198.1
RMS	7.781



Run=7099047, Event=136553

**hSmdu**

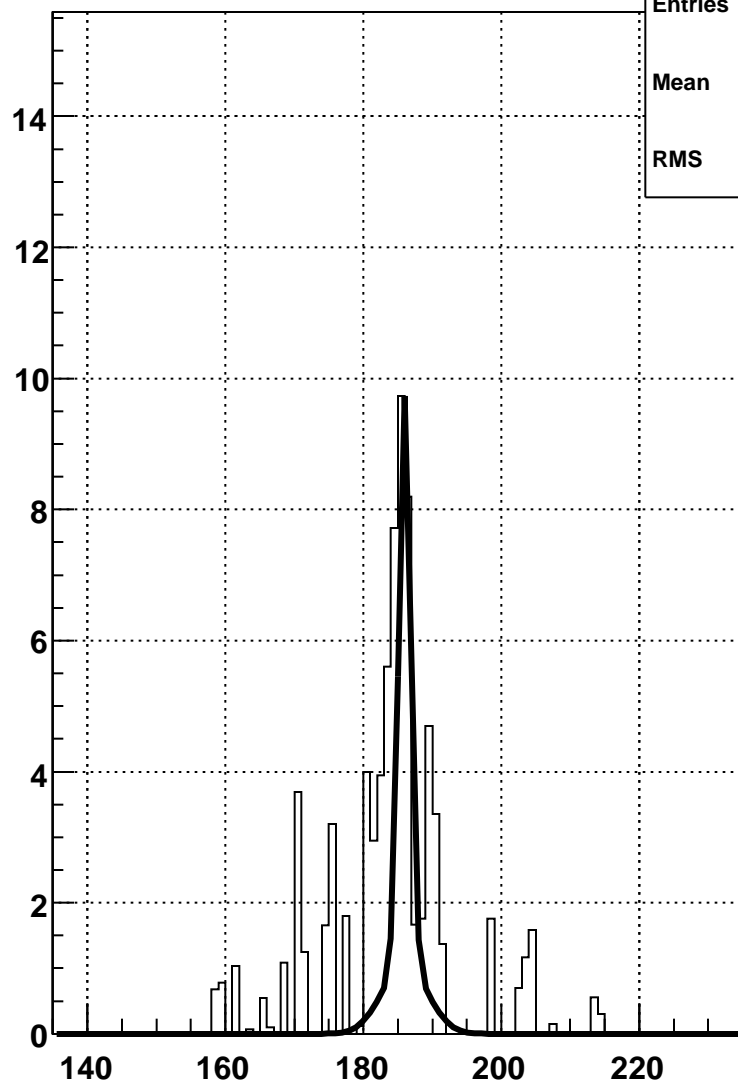
Entries	35
Mean	205.9
RMS	8.023



$p_T=8.3$  GeV,  $E=13.9$  GeV

**hSmdv**

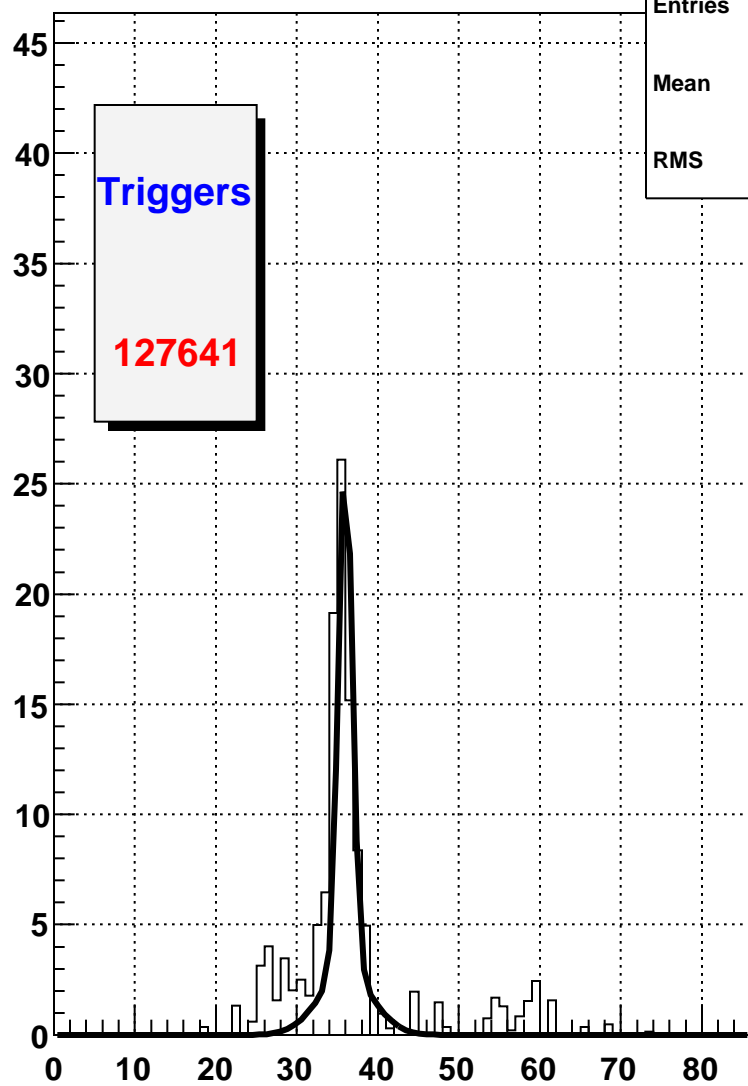
Entries	32
Mean	183.9
RMS	9.109



Run=7099047, Event=137588

**hSmdu**

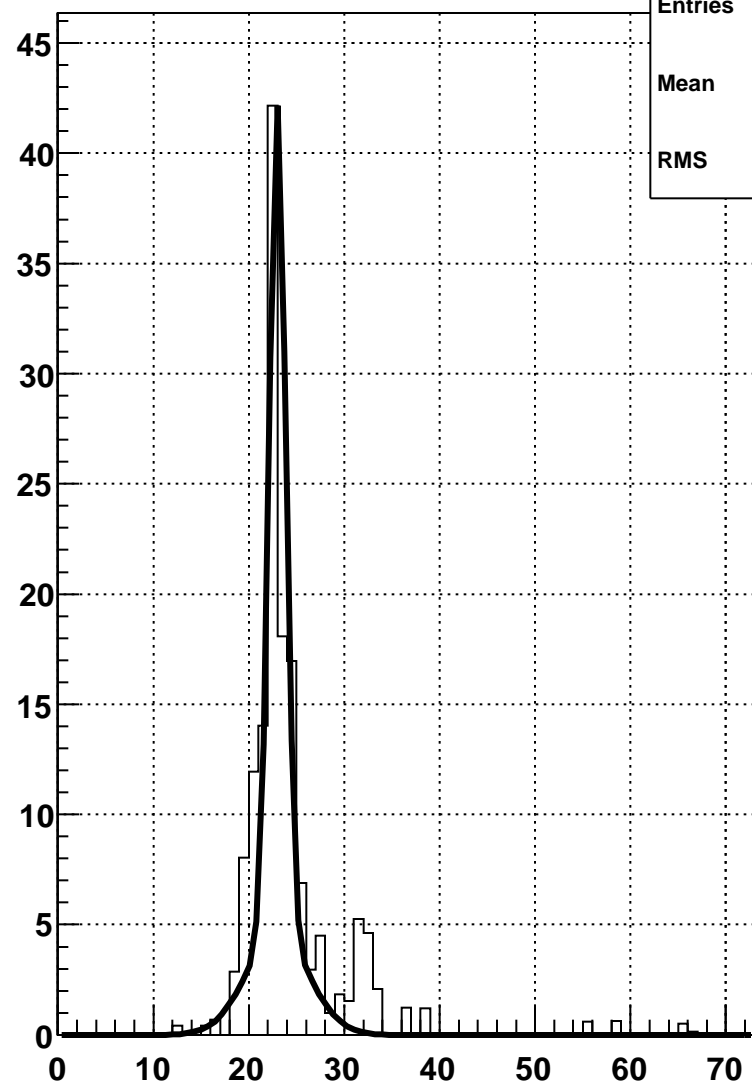
Entries	34
Mean	36.68
RMS	8.201



$p_T=5.1$  GeV,  $E=20.1$  GeV

**hSmdv**

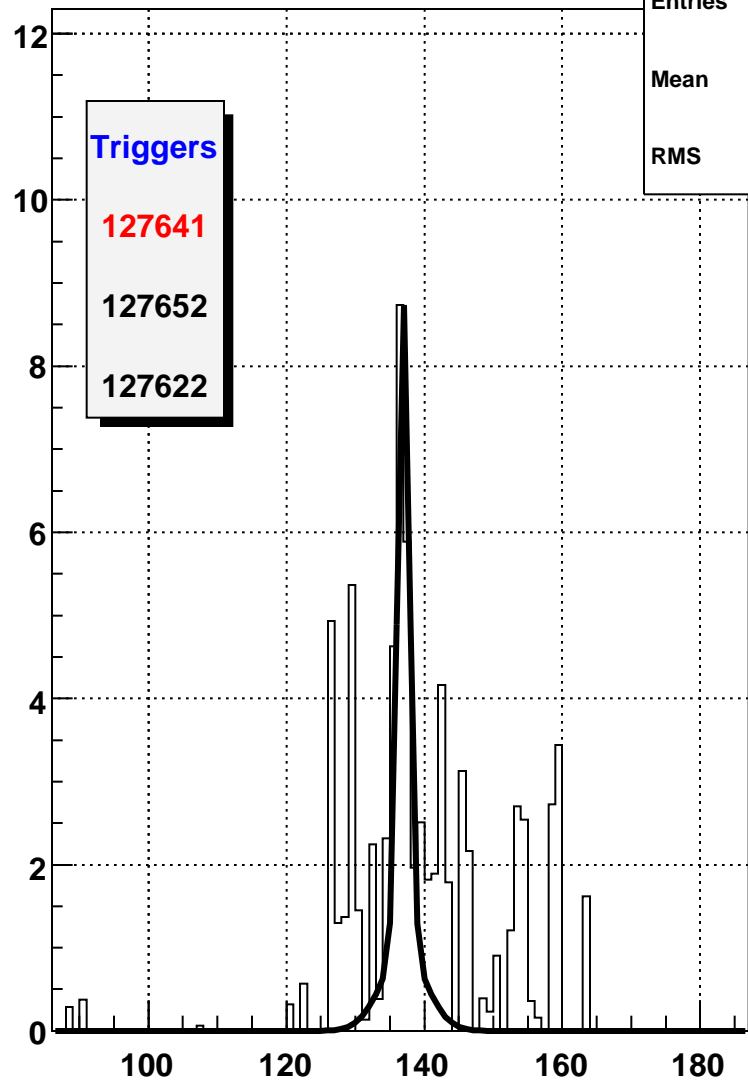
Entries	26
Mean	24.35
RMS	5.579



Run=7099047, Event=137747

**hSmdu**

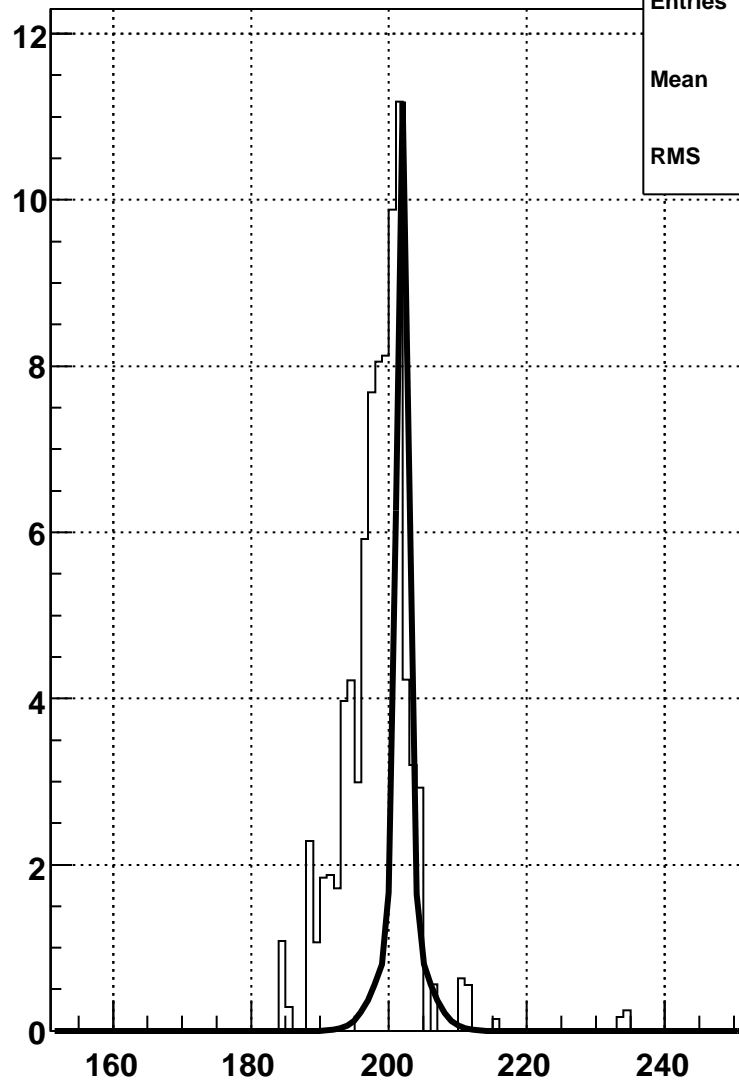
Entries	36
Mean	139.9
RMS	11.11



$p_T=5.4$  GeV,  $E=8.8$  GeV

**hSmdv**

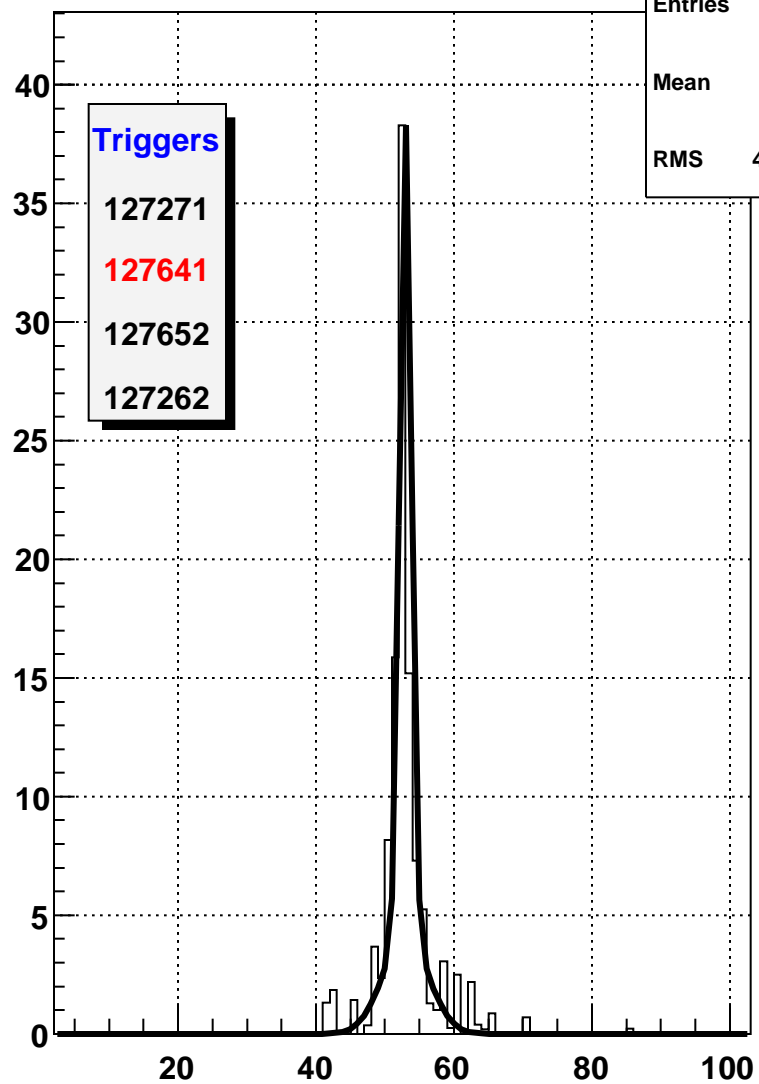
Entries	25
Mean	198.4
RMS	5.165



Run=7099047, Event=138265

**hSmdu**

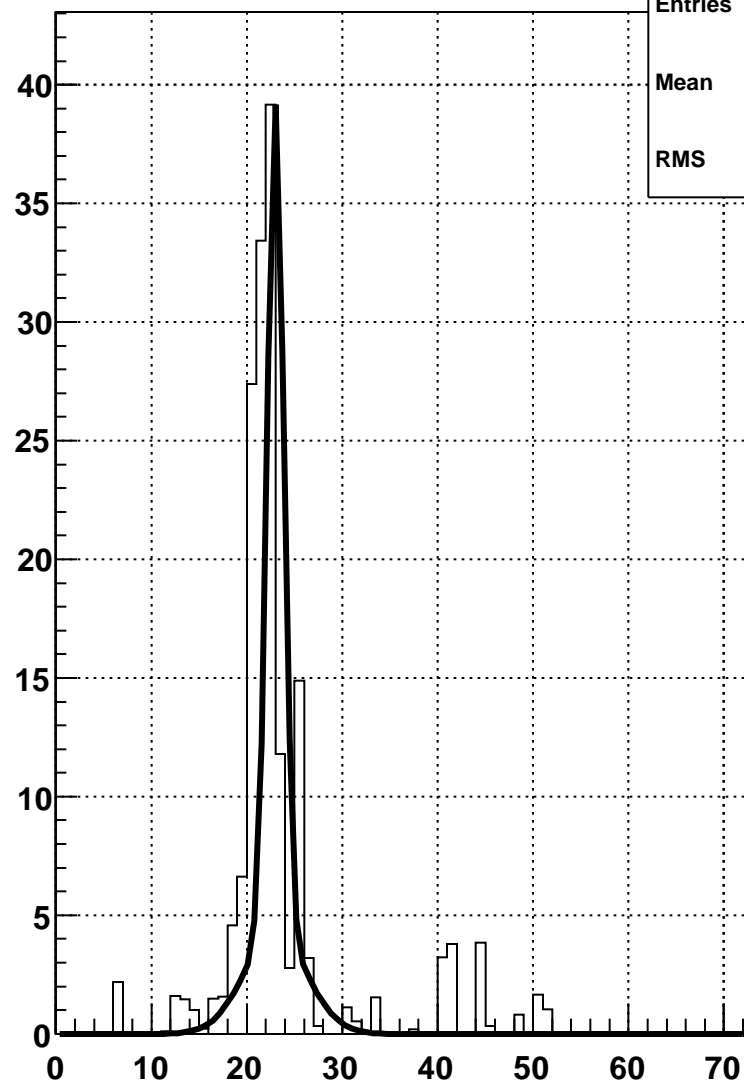
Entries	23
Mean	53
RMS	4.037



$p_T=5.2$  GeV,  $E=22.6$  GeV

**hSmdv**

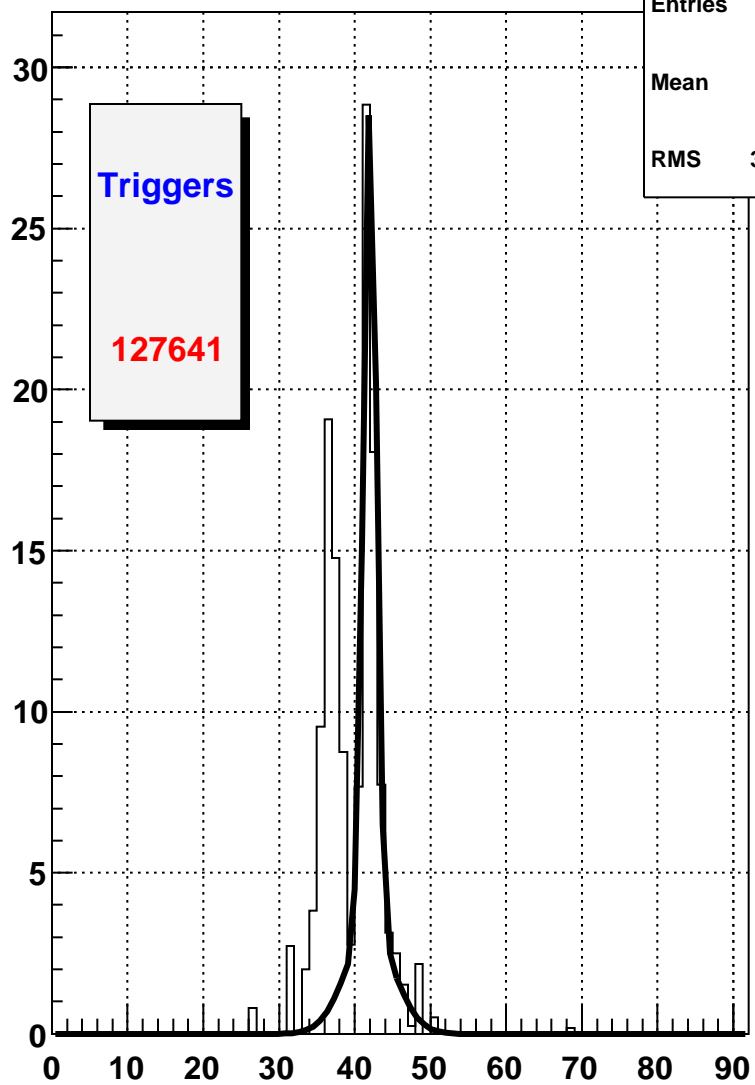
Entries	29
Mean	23.73
RMS	7.134



Run=7099047, Event=138493

**hSmdu**

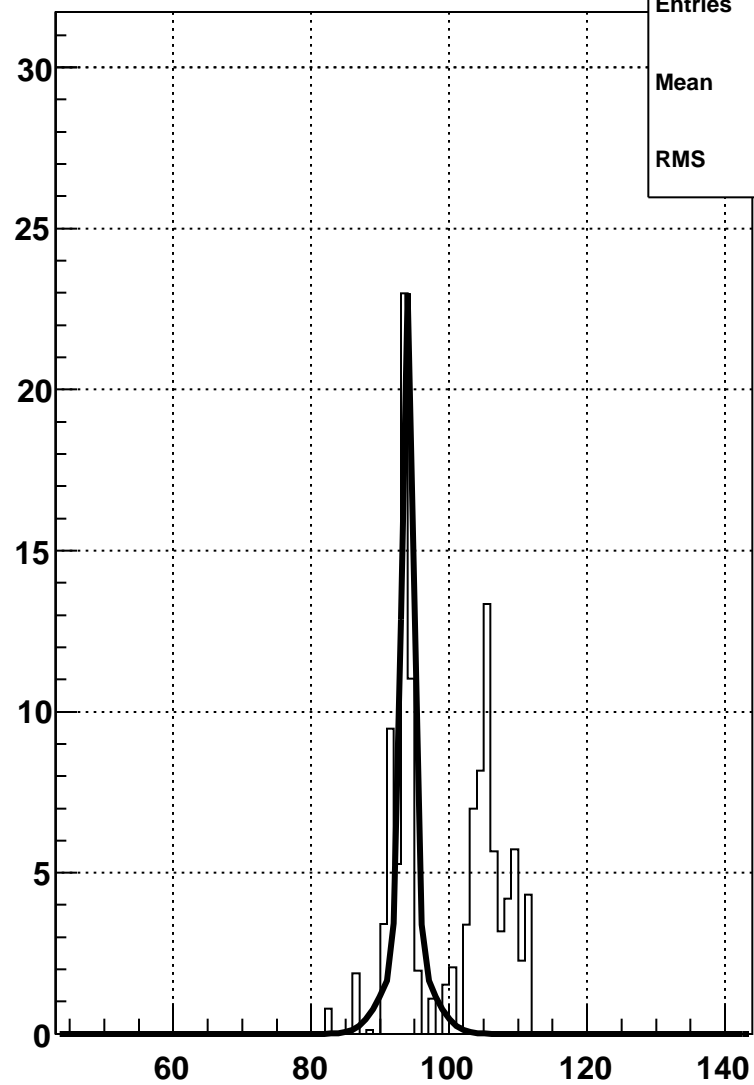
Entries	20
Mean	39.7
RMS	3.749



$p_T=5.7$  GeV,  $E=14.7$  GeV

**hSmdv**

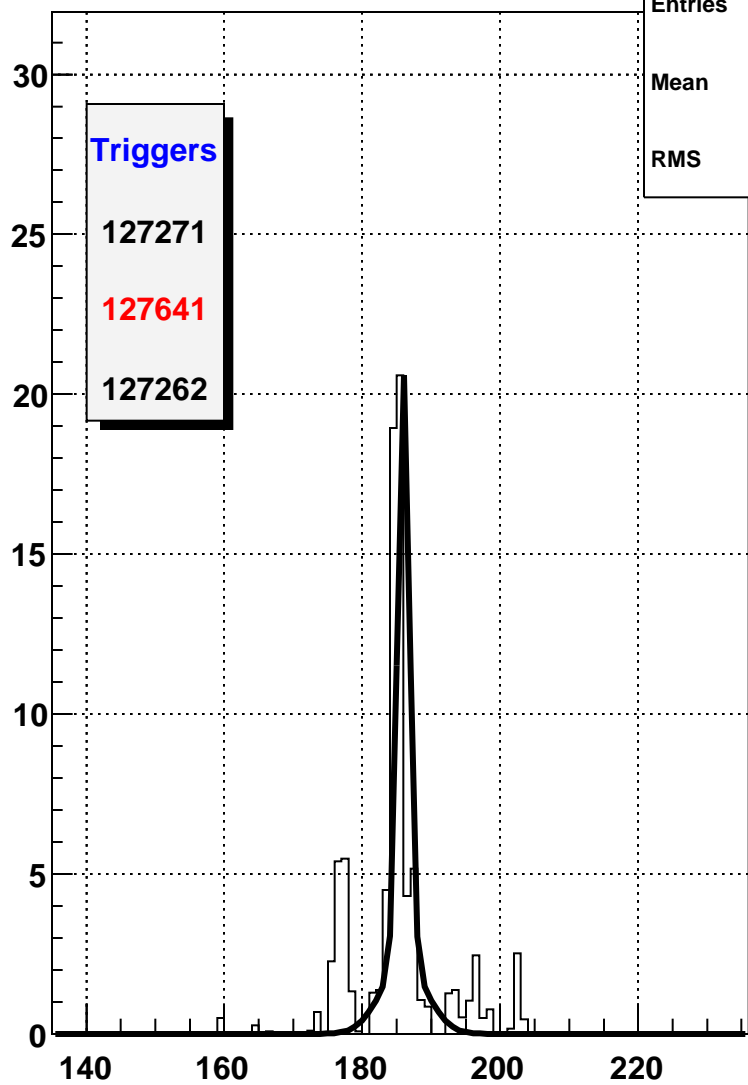
Entries	23
Mean	99.61
RMS	7.073



Run=7099047, Event=138662

**hSmdu**

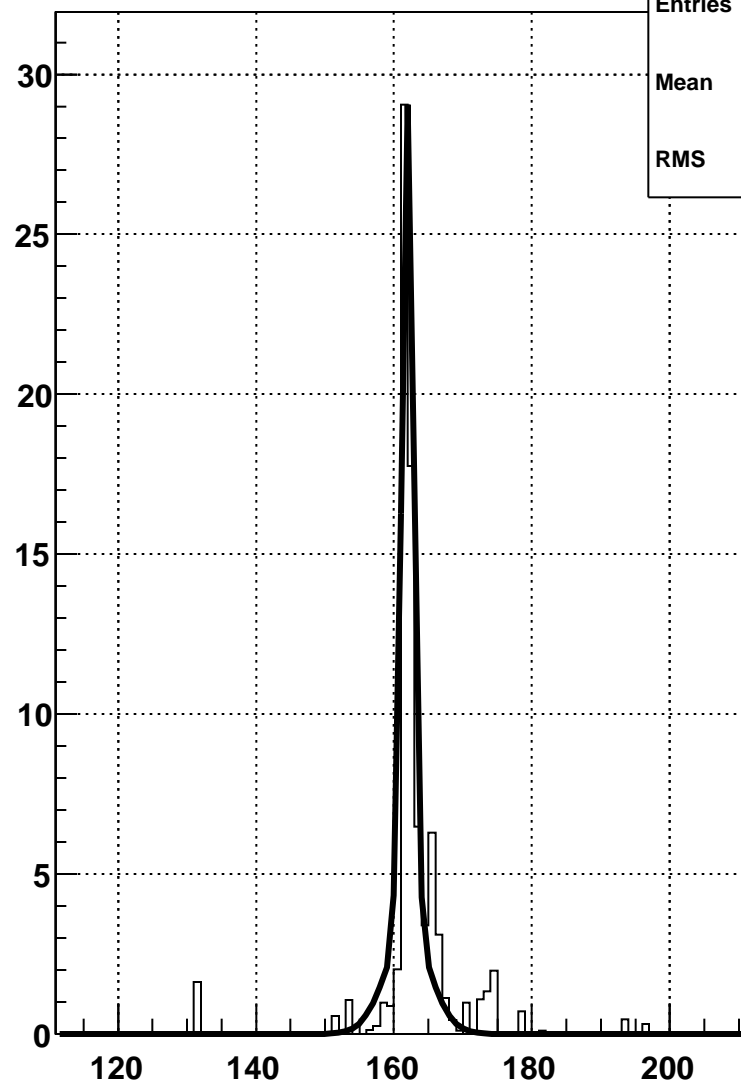
Entries	29
Mean	185
RMS	6.395



$p_T=10.6$  GeV,  $E=17.3$  GeV

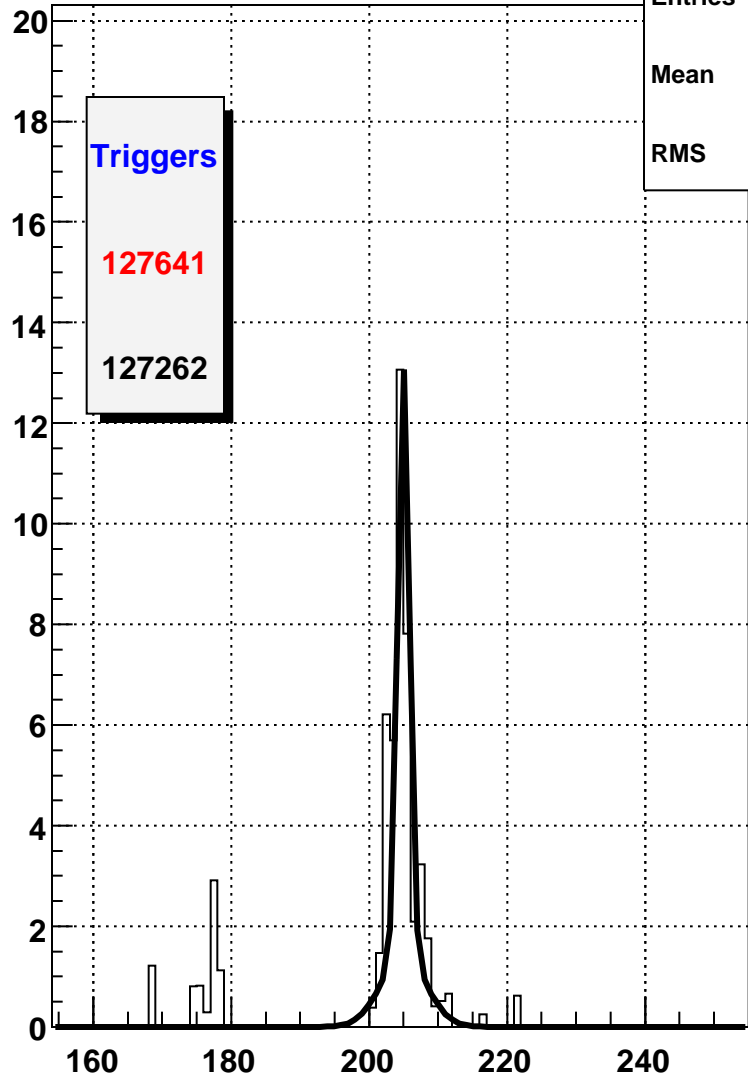
**hSmdv**

Entries	25
Mean	163
RMS	6.589



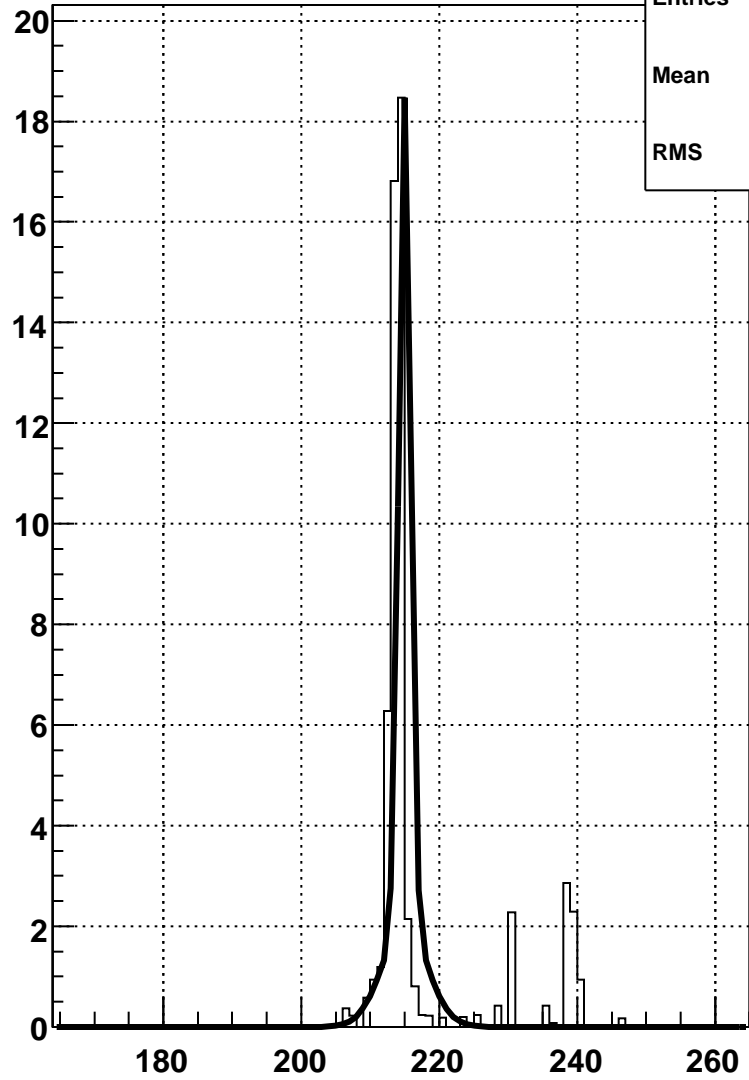
Run=7099047, Event=138996

hSmdu	
Entries	20
Mean	201
RMS	10.7



$p_T=5.2$  GeV,  $E=9.6$  GeV

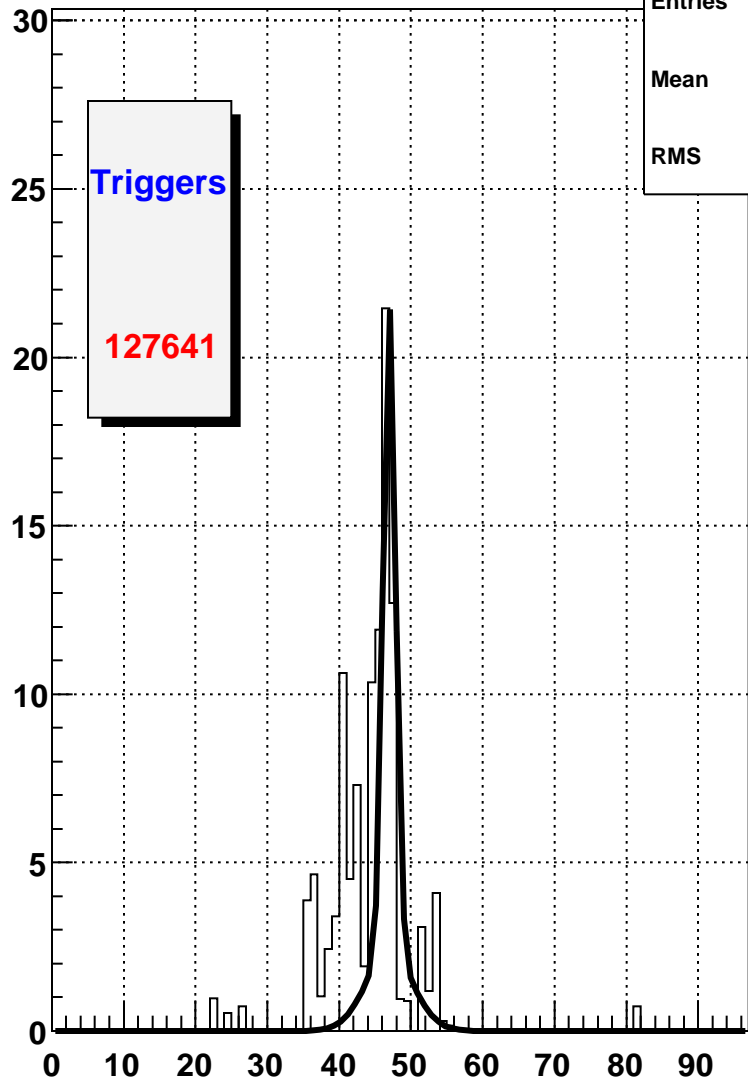
hSmdv	
Entries	23
Mean	217.5
RMS	8.707





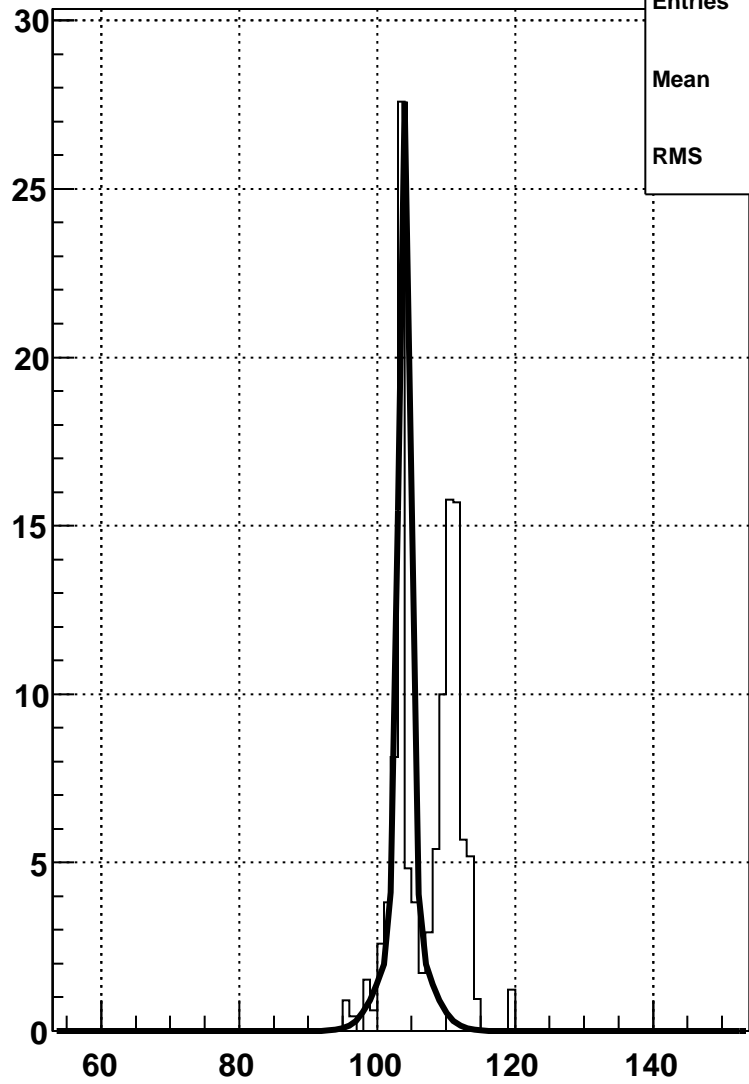
Run=7099047, Event=139354

**hSmdu**



$p_T=6.3$  GeV,  $E=15.3$  GeV

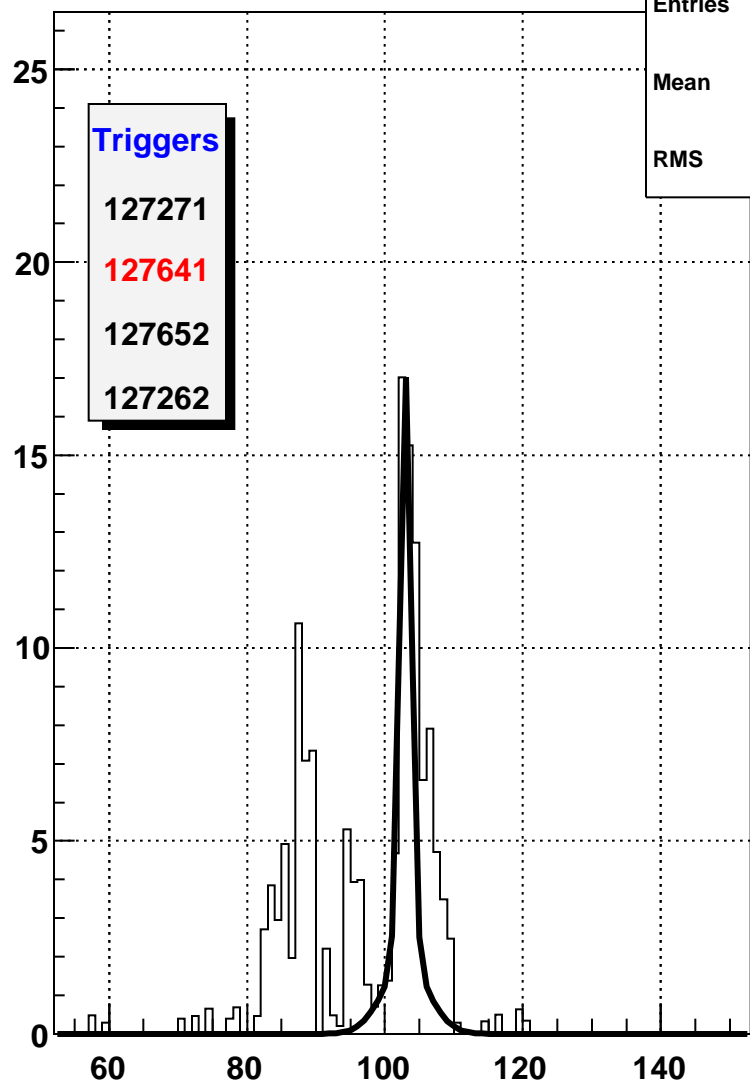
**hSmdv**



Run=7099047, Event=139356

**hSmdu**

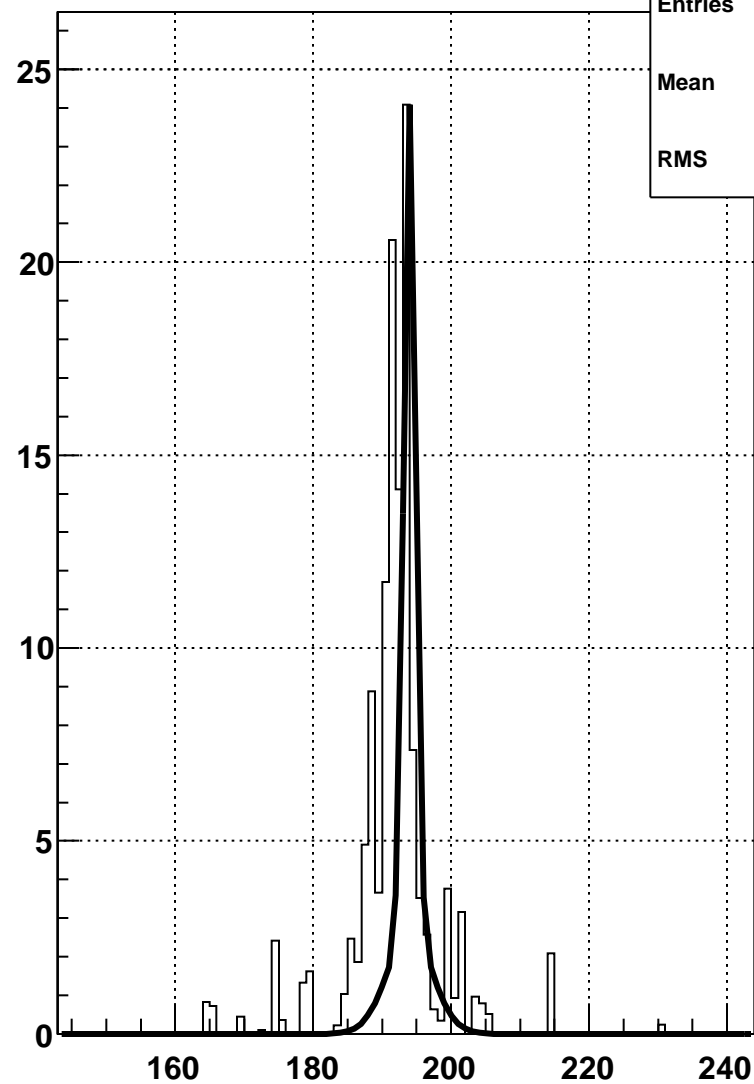
Entries	41
Mean	97.43
RMS	9.365



$p_T=6.2$  GeV,  $E=13.6$  GeV

**hSmdv**

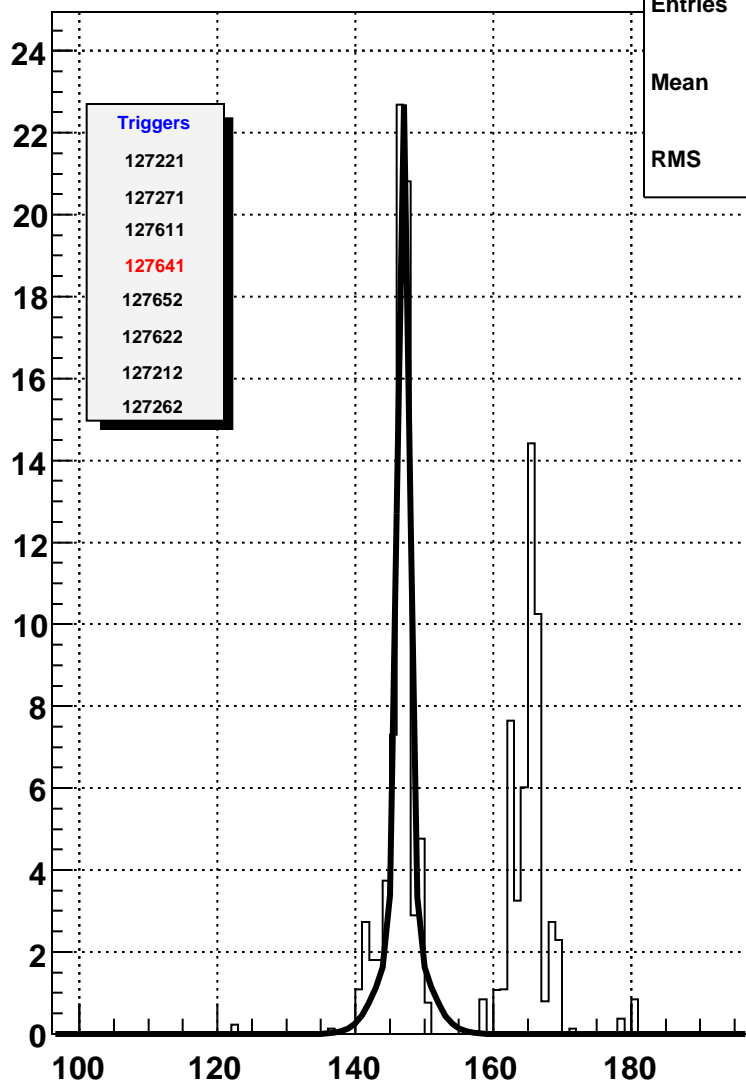
Entries	32
Mean	191.8
RMS	6.718



Run=7099047, Event=140563

**hSmdu**

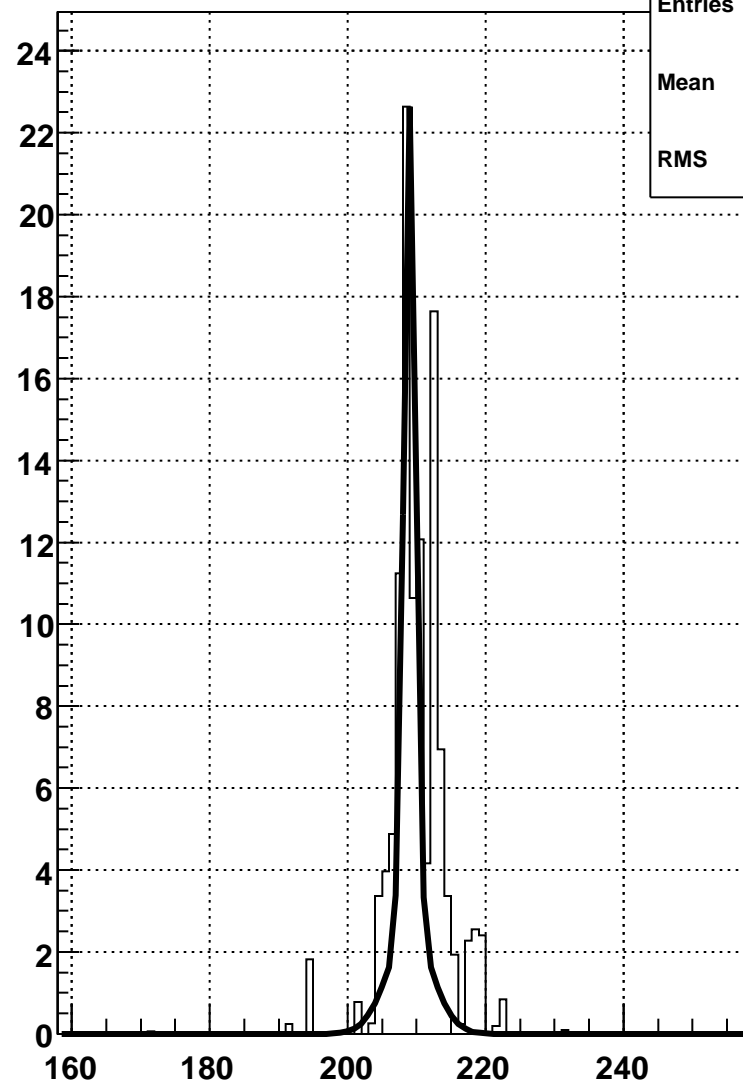
Entries 27  
Mean 154.4  
RMS 9.808



$p_T=6.4$  GeV,  $E=13.1$  GeV

**hSmdv**

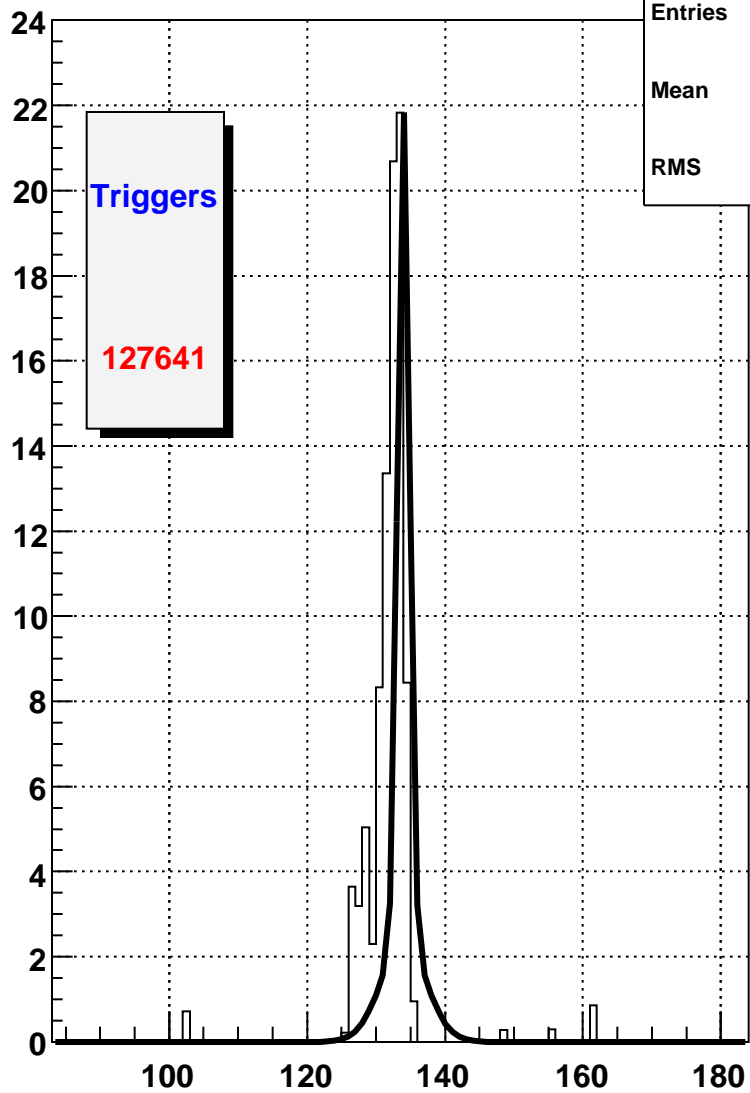
Entries 24  
Mean 210.2  
RMS 4.302



Run=7099047, Event=47435

**hSmdu**

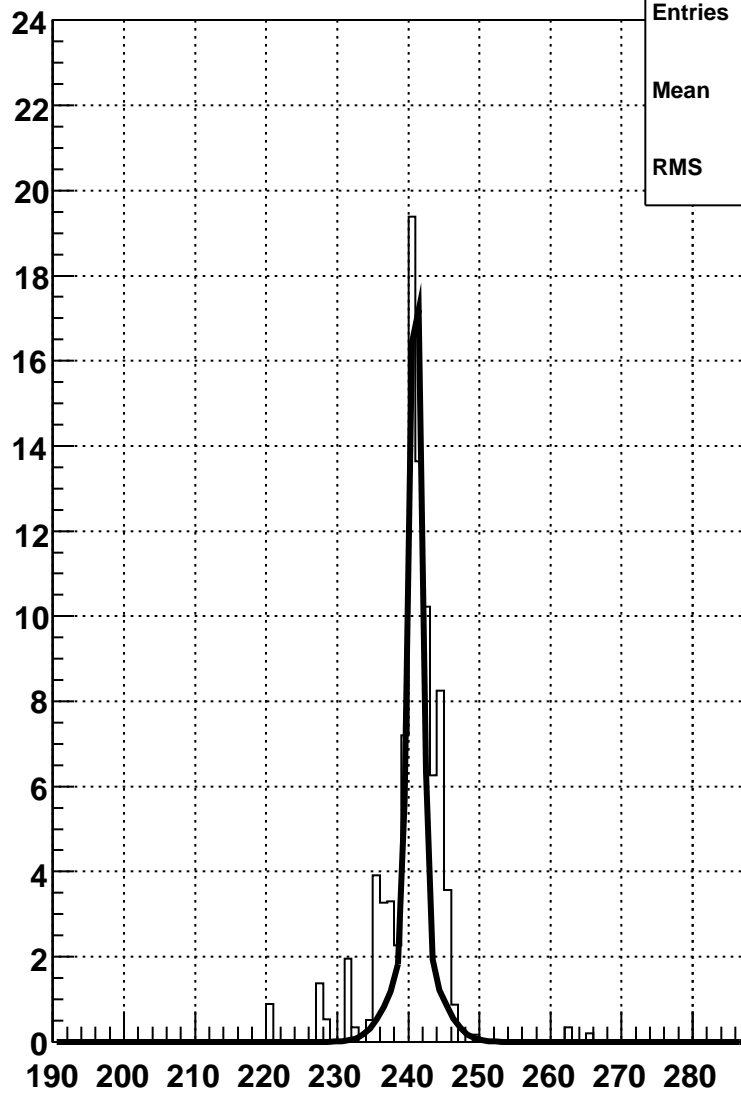
Entries	24
Mean	132
RMS	4.716



$p_T=5.1$  GeV,  $E=7.9$  GeV

**hSmdv**

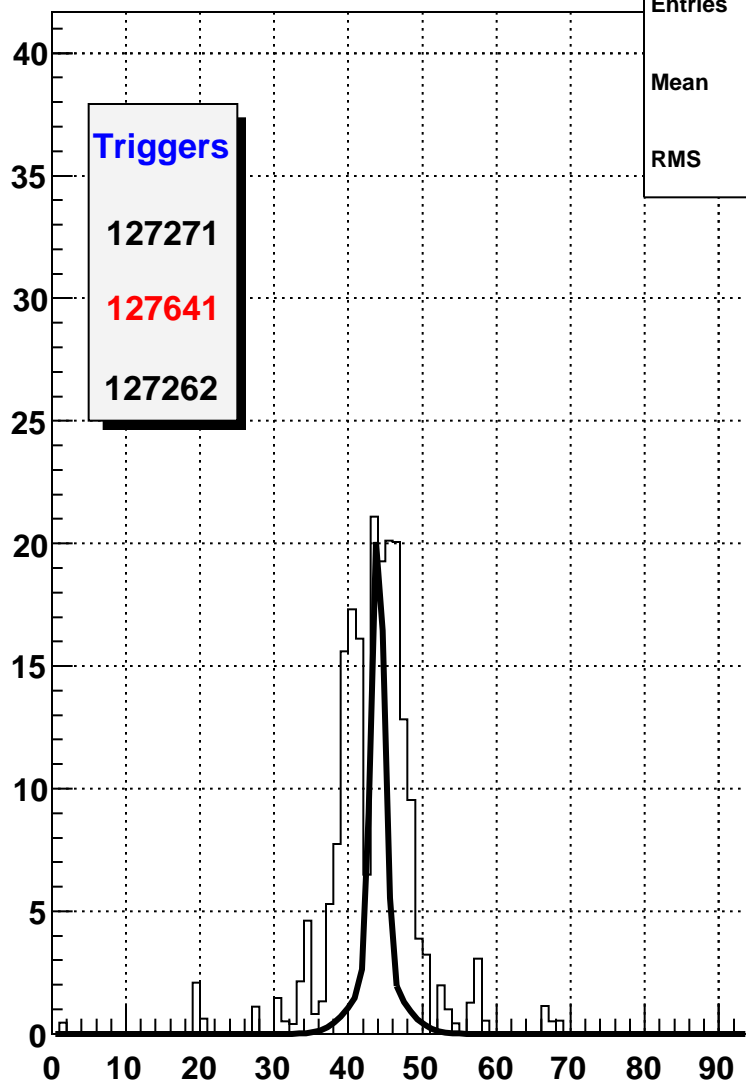
Entries	28
Mean	240.5
RMS	4.441



Run=7099047, Event=48146

**hSmdu**

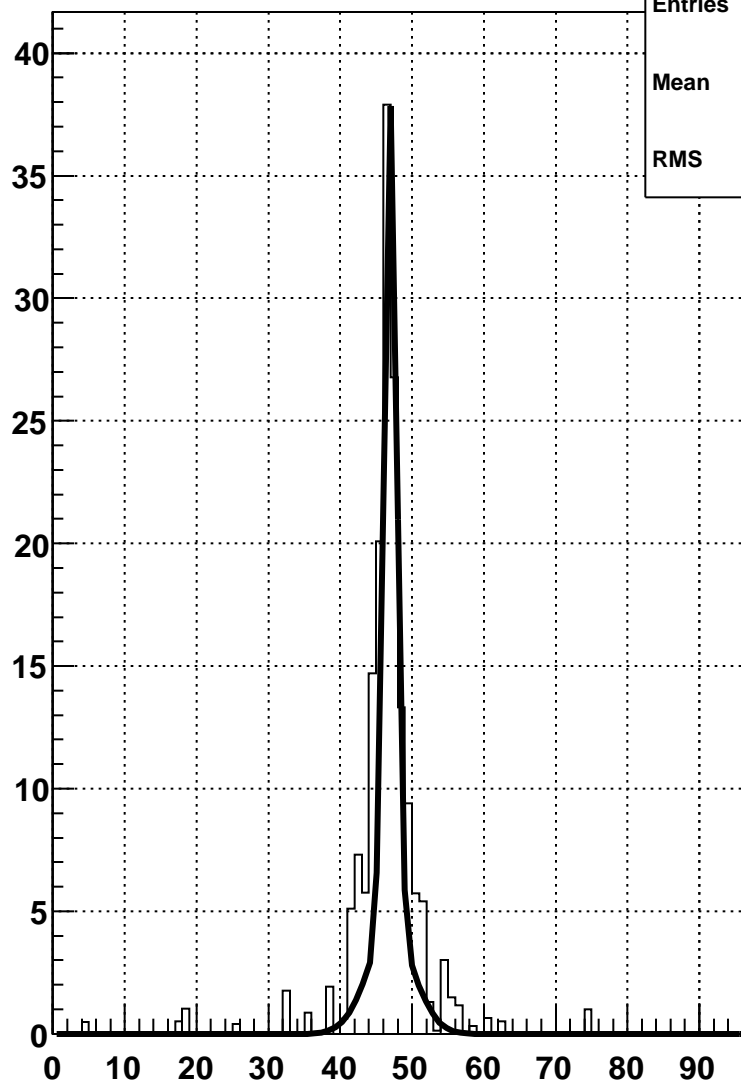
Entries	34
Mean	43.42
RMS	6.289



$p_T=7.8$  GeV,  $E=22.0$  GeV

**hSmdv**

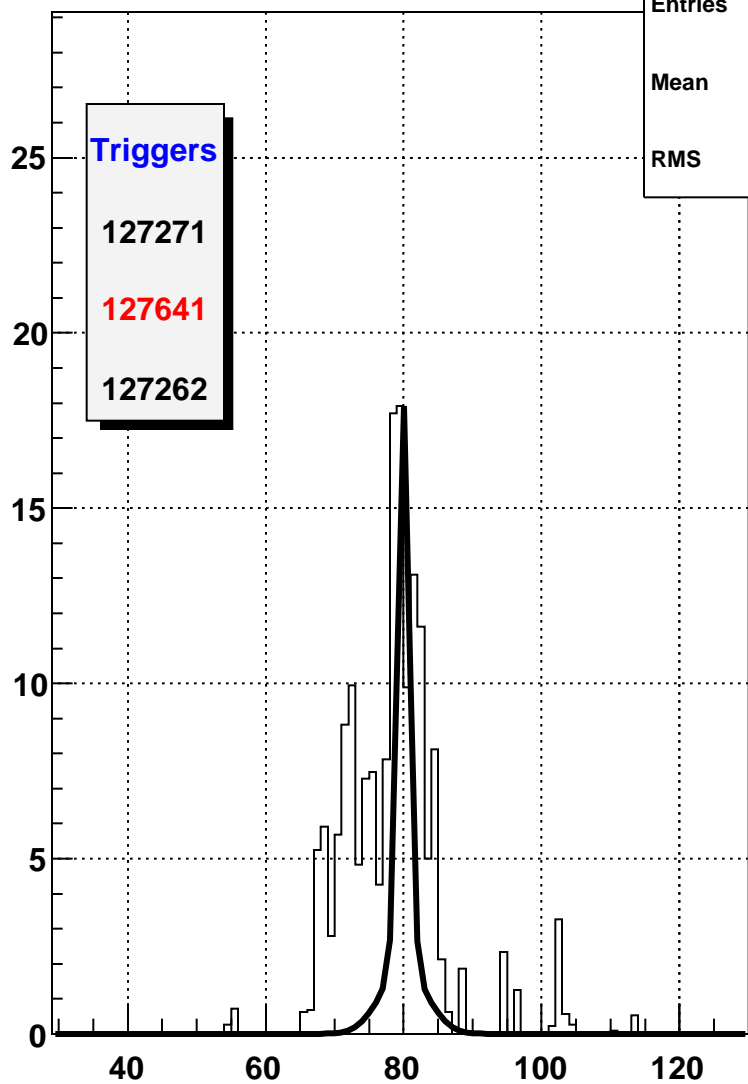
Entries	31
Mean	46.42
RMS	5.676



Run=7099047, Event=49851

**hSmdu**

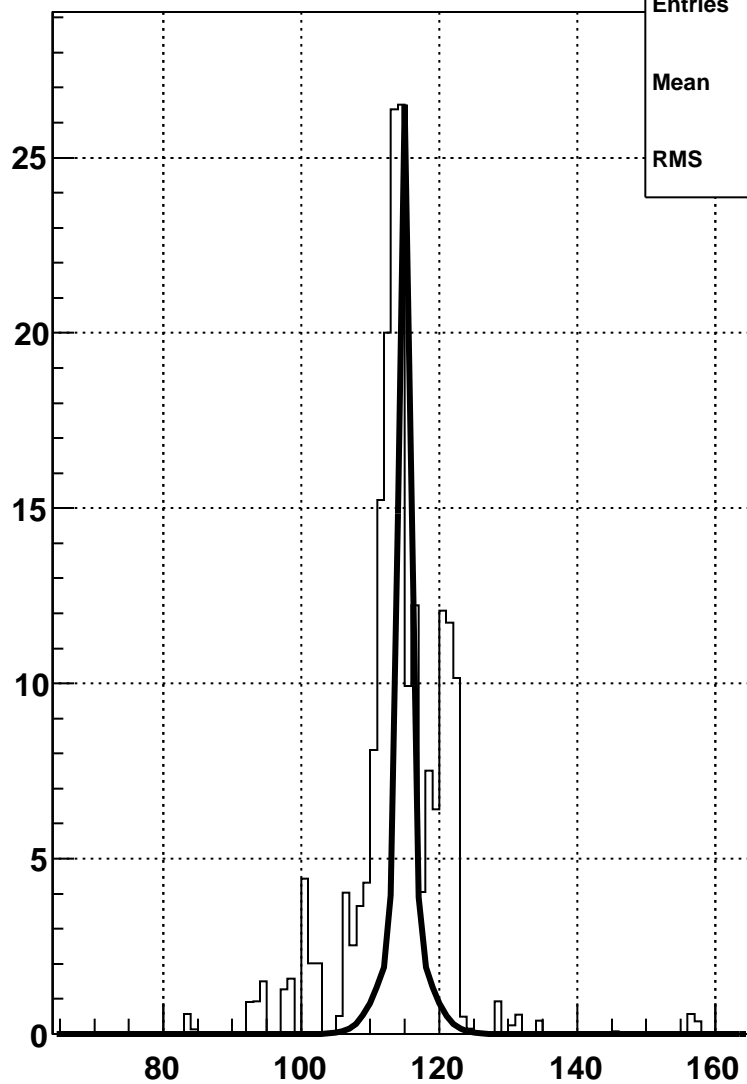
Entries	33
Mean	78.39
RMS	7.317



$p_T=9.1$  GeV,  $E=16.2$  GeV

**hSmdv**

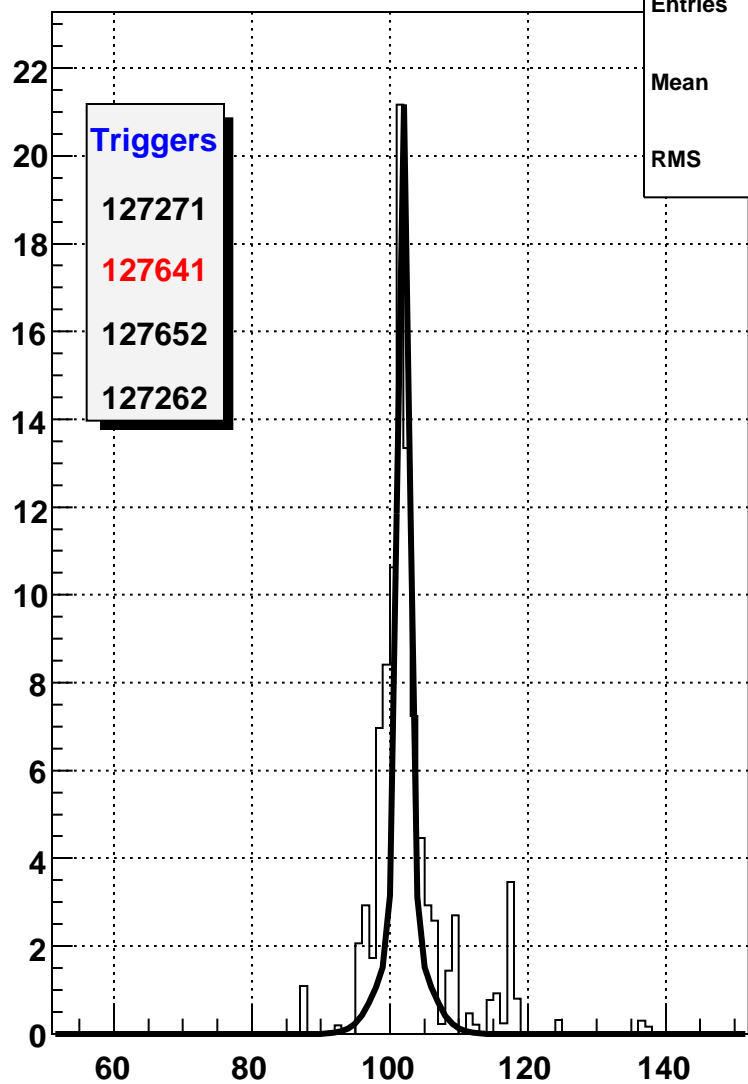
Entries	38
Mean	114.2
RMS	6.946



Run=7099047, Event=50352

**hSmdu**

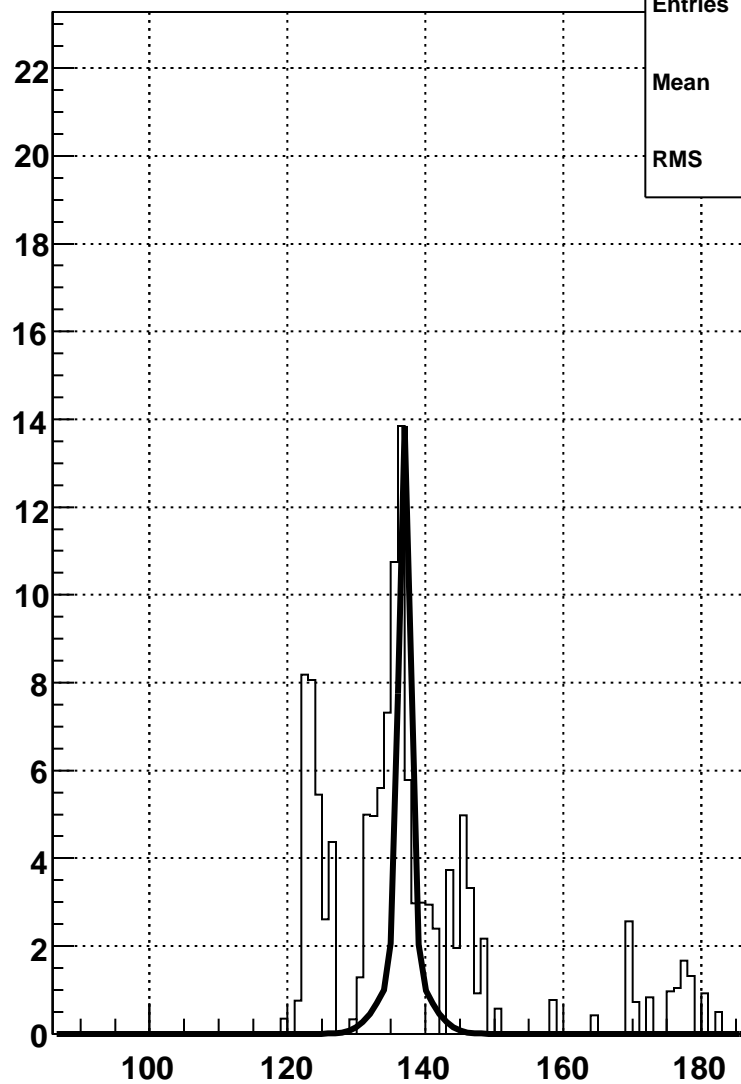
Entries	27
Mean	102.8
RMS	5.631



$p_T=5.7$  GeV,  $E=16.6$  GeV

**hSmdv**

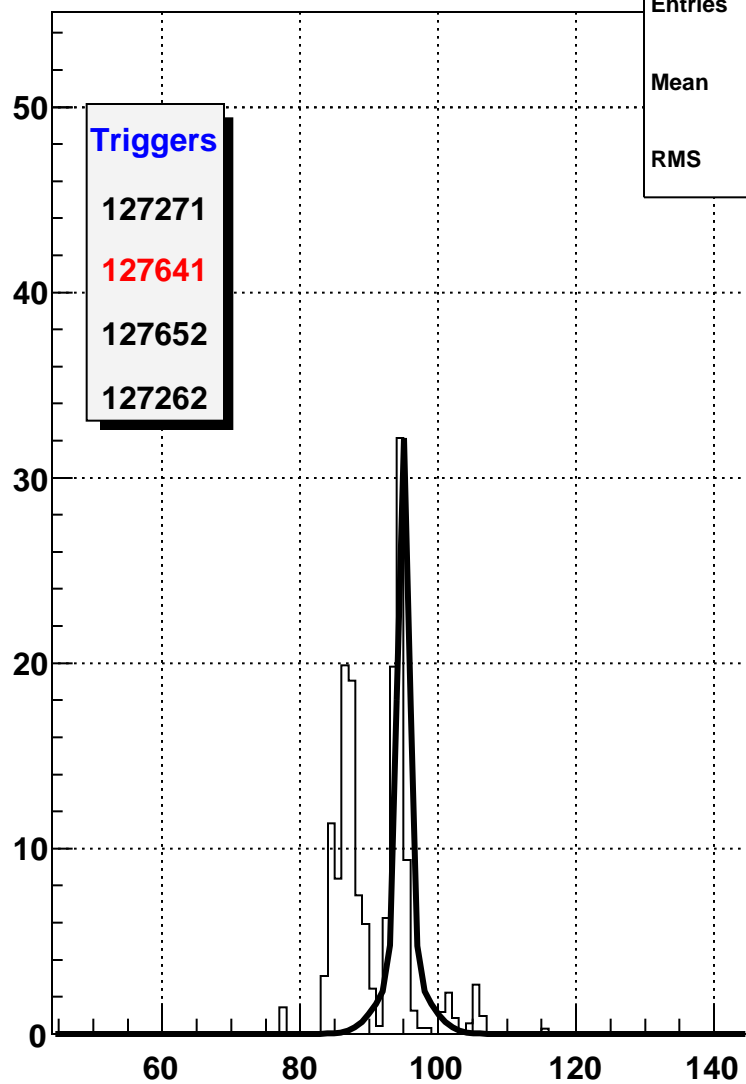
Entries	38
Mean	137.9
RMS	13.59



Run=7099047, Event=50918

**hSmdu**

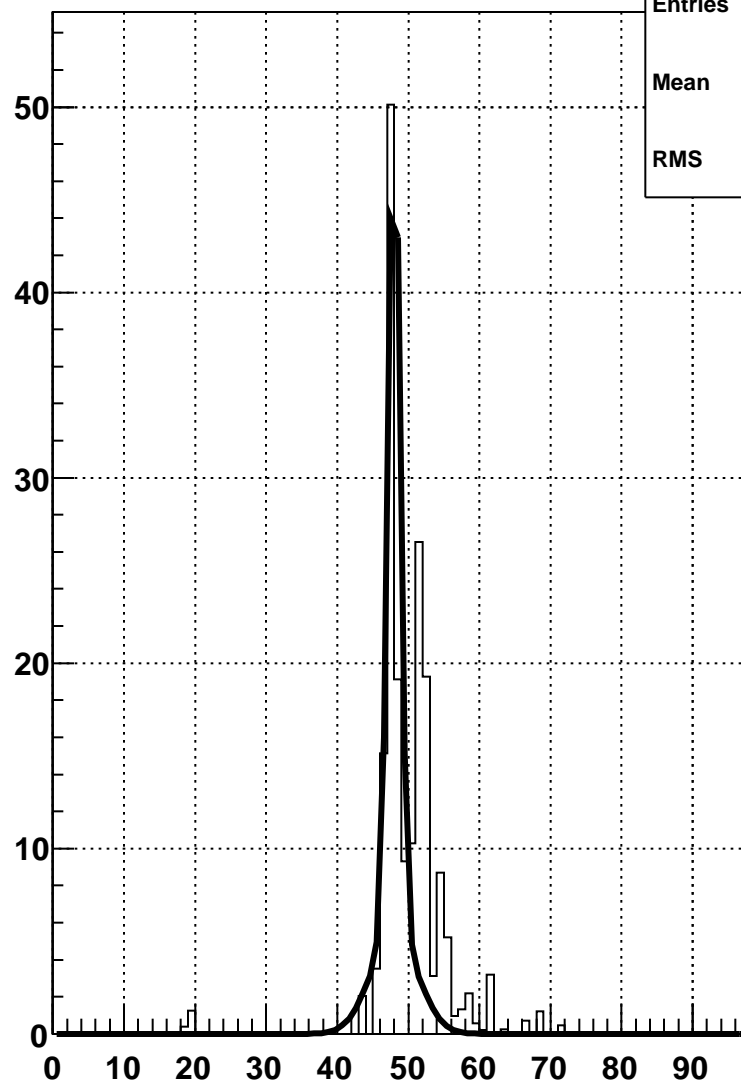
Entries	24
Mean	90.94
RMS	5.152



$p_T=8.2$  GeV,  $E=25.7$  GeV

**hSmdv**

Entries	26
Mean	50.07
RMS	5.037

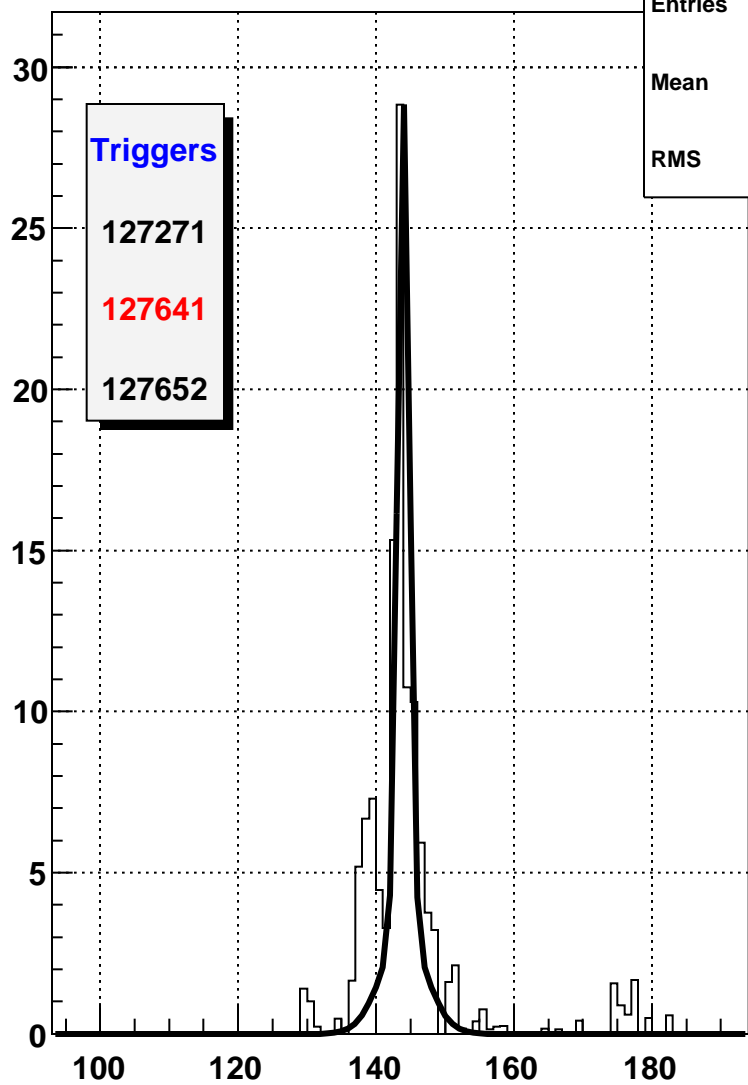




Run=7099047, Event=51429

**hSmdu**

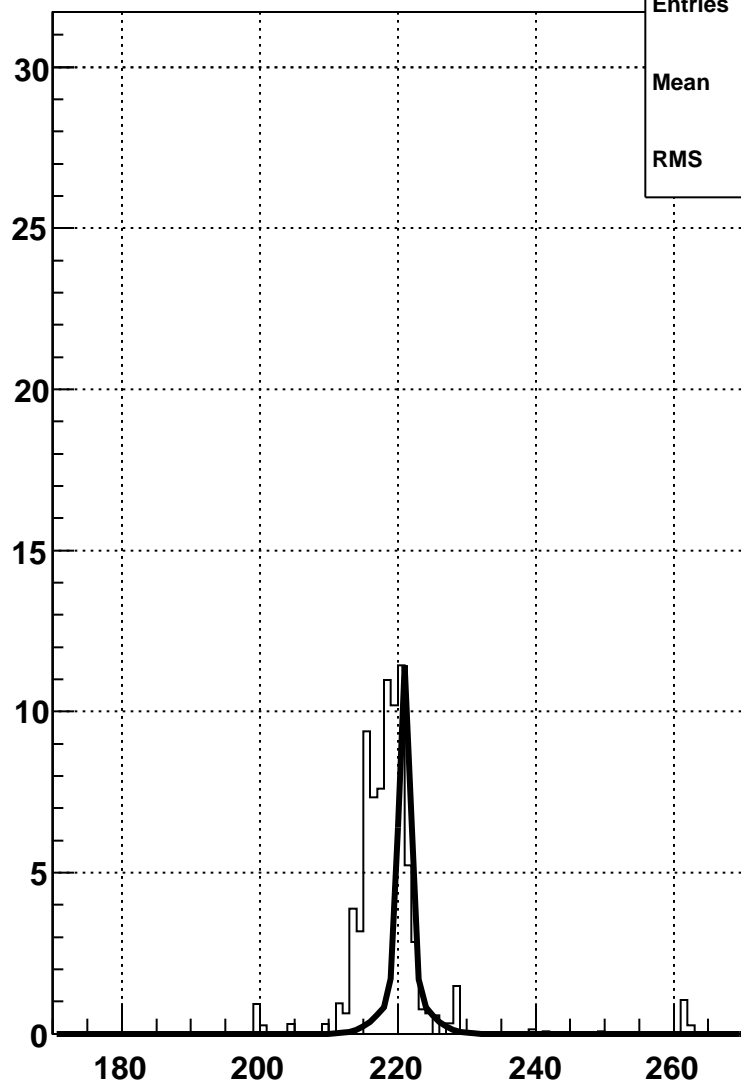
Entries	34
Mean	144.8
RMS	8.391



$p_T=5.3$  GeV,  $E=9.3$  GeV

**hSmdv**

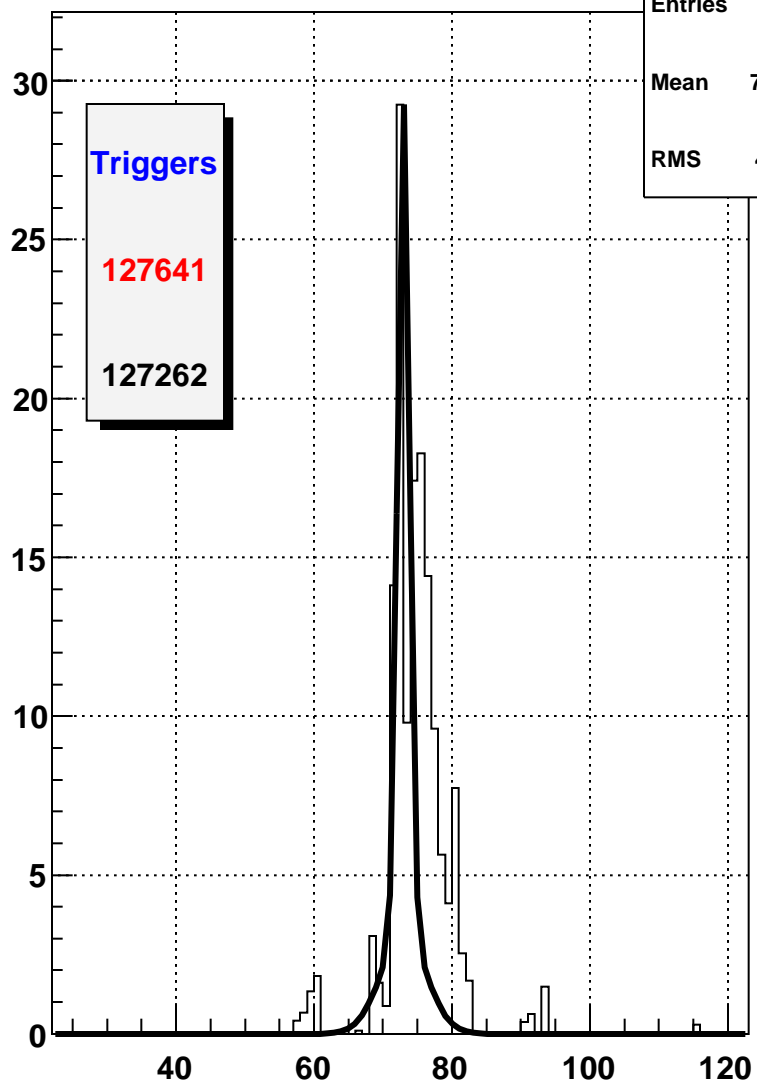
Entries	29
Mean	218.9
RMS	7.004



Run=7099047, Event=43788

**hSmdu**

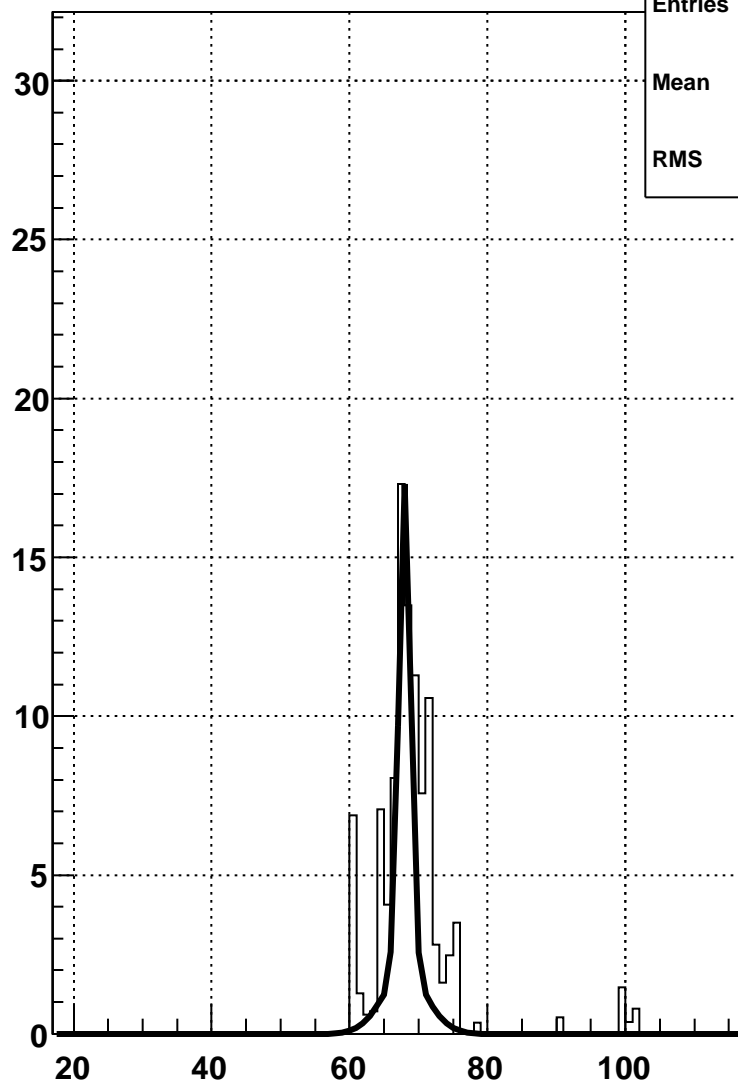
Entries	24
Mean	74.83
RMS	4.881



$p_T=5.3$  GeV,  $E=21.7$  GeV

**hSmdv**

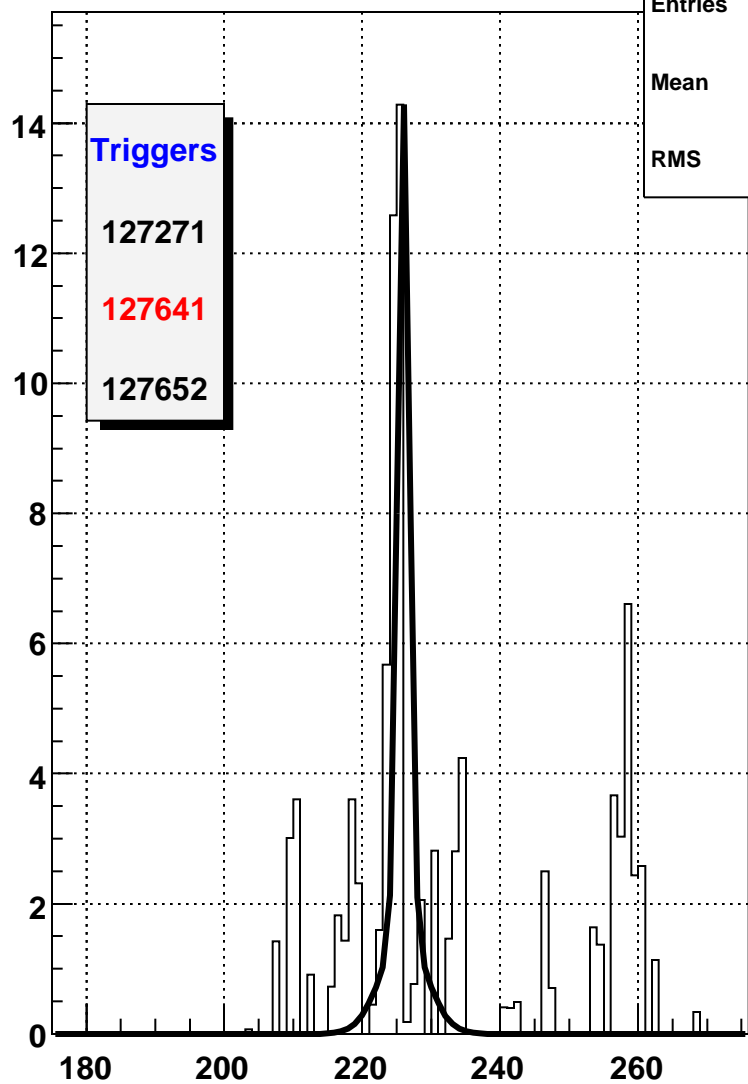
Entries	21
Mean	69.18
RMS	6.327



Run=7099047, Event=44253

**hSmdu**

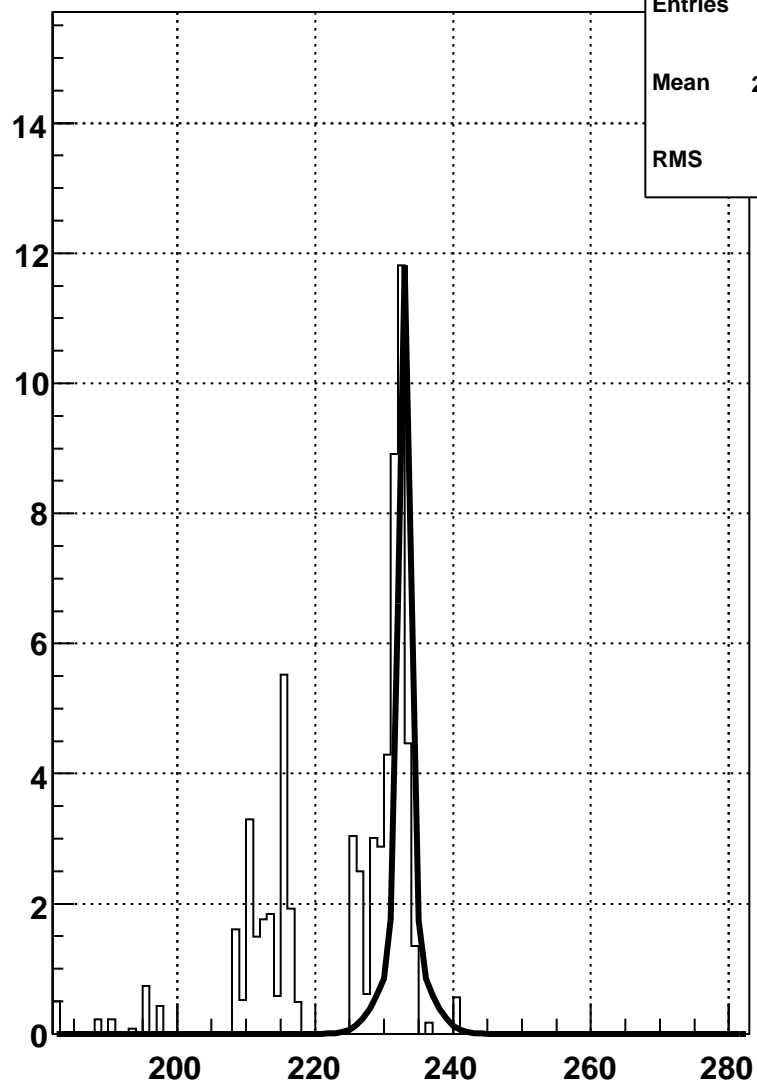
Entries	46
Mean	232.6
RMS	16.17



$p_T=5.7$  GeV,  $E=12.1$  GeV

**hSmdv**

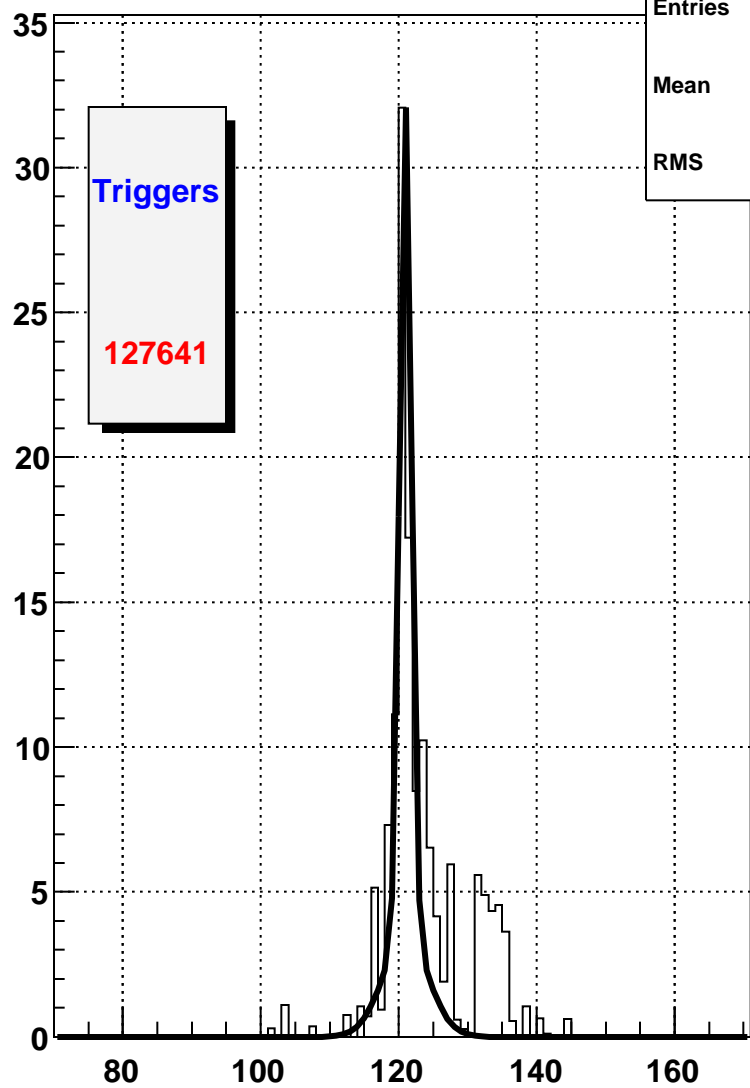
Entries	54
Mean	224.4
RMS	10.51



Run=7099047, Event=44407

**hSmdu**

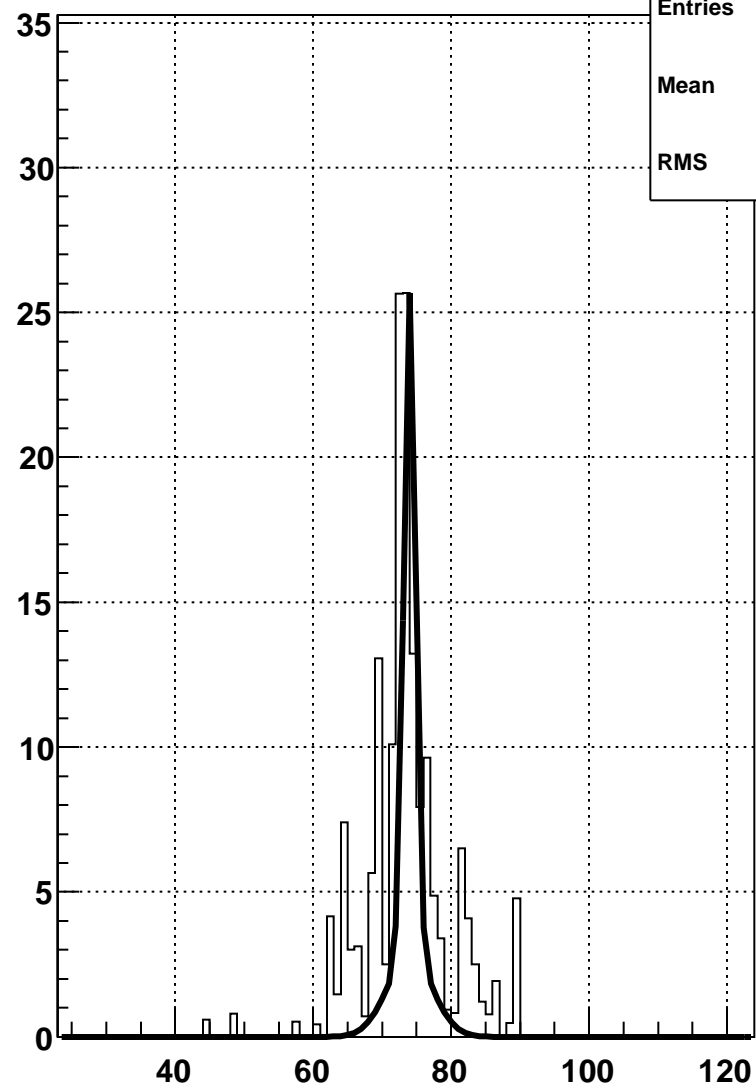
Entries	30
Mean	123.5
RMS	6.018



$p_T=7.1$  GeV,  $E=15.2$  GeV

**hSmdv**

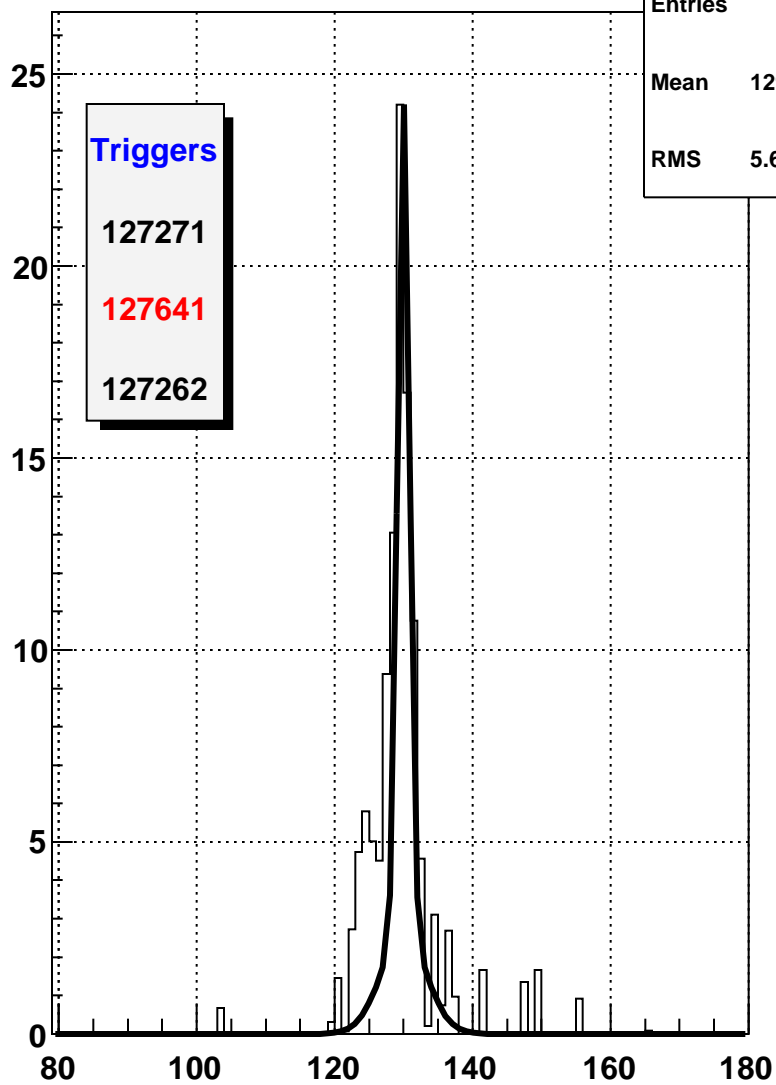
Entries	31
Mean	73.43
RMS	6.248



Run=7099047, Event=44632

**hSmdu**

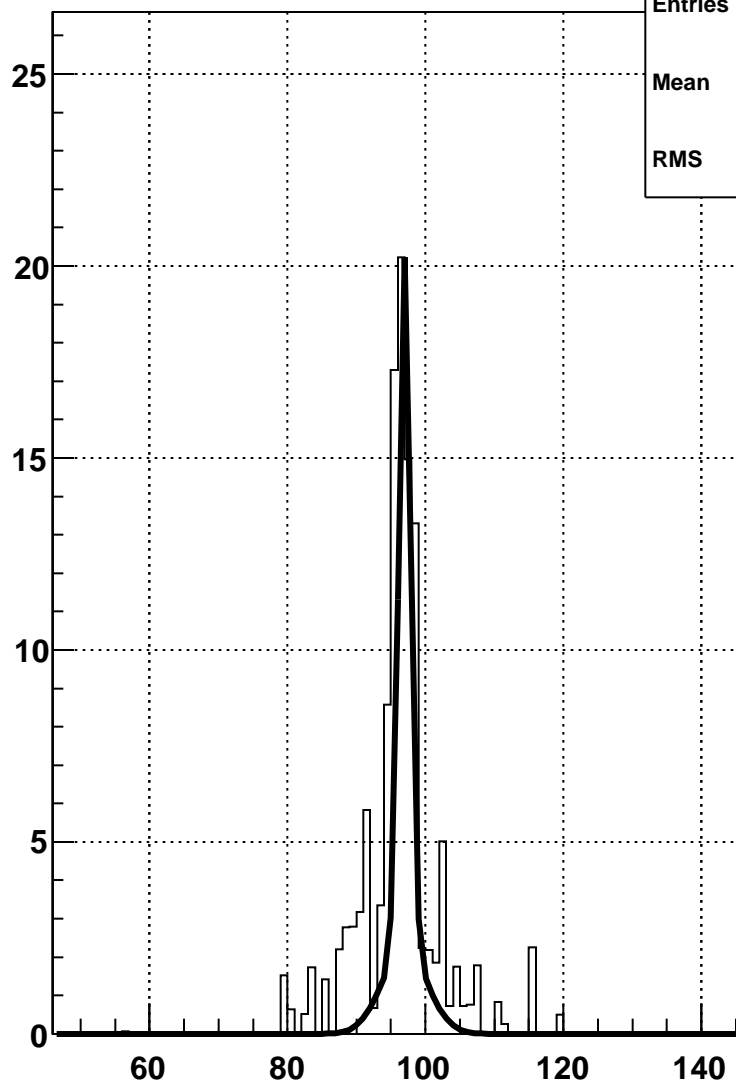
Entries	25
Mean	129.7
RMS	5.612



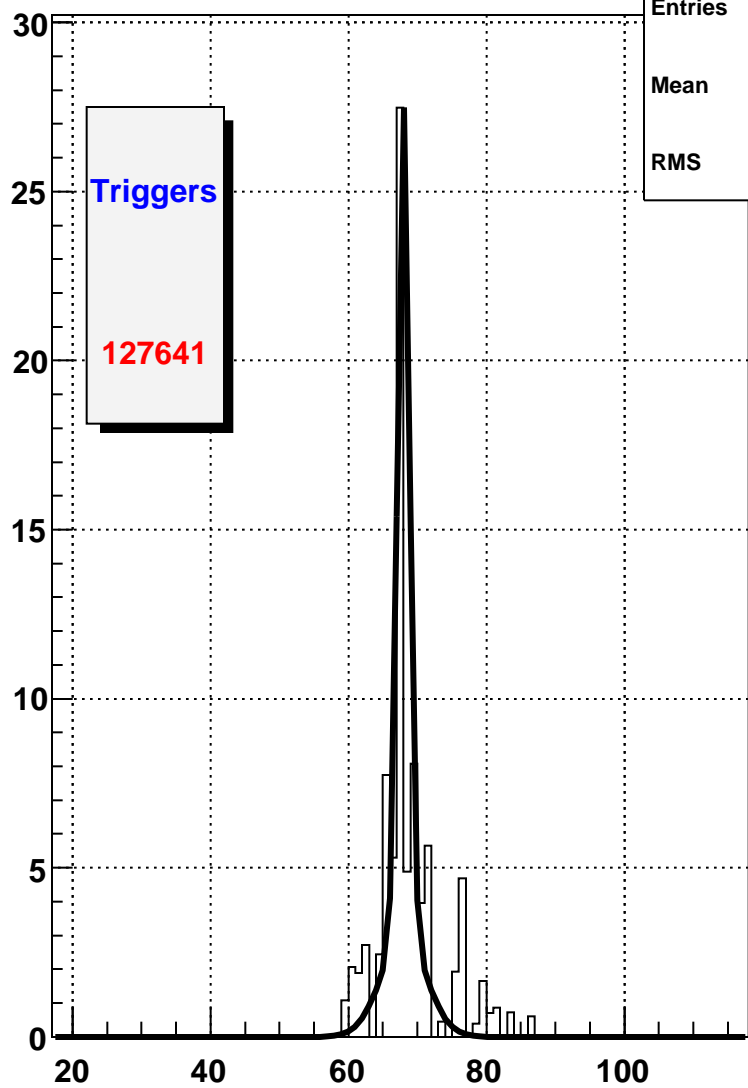
$p_T=9.3$  GeV,  $E=20.4$  GeV

**hSmdv**

Entries	31
Mean	96.32
RMS	5.911



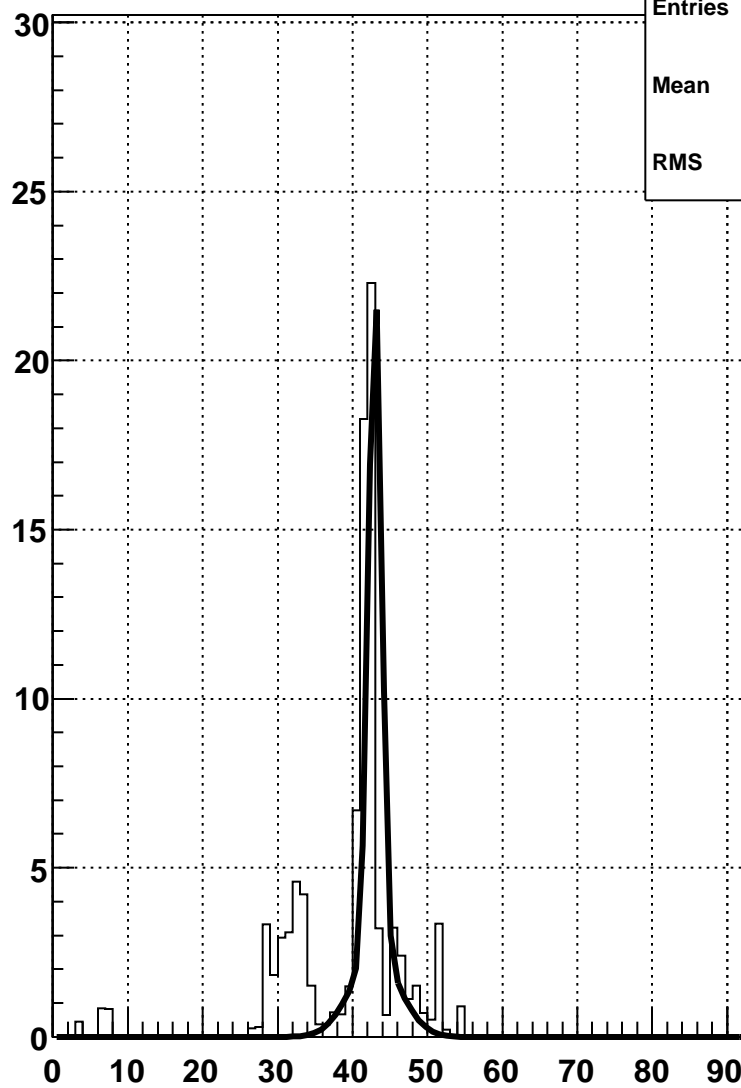
Run=7099047, Event=45369



**hSmdu**

Entries	21
Mean	68.77
RMS	4.701

$p_T=7.2$  GeV,  $E=19.8$  GeV



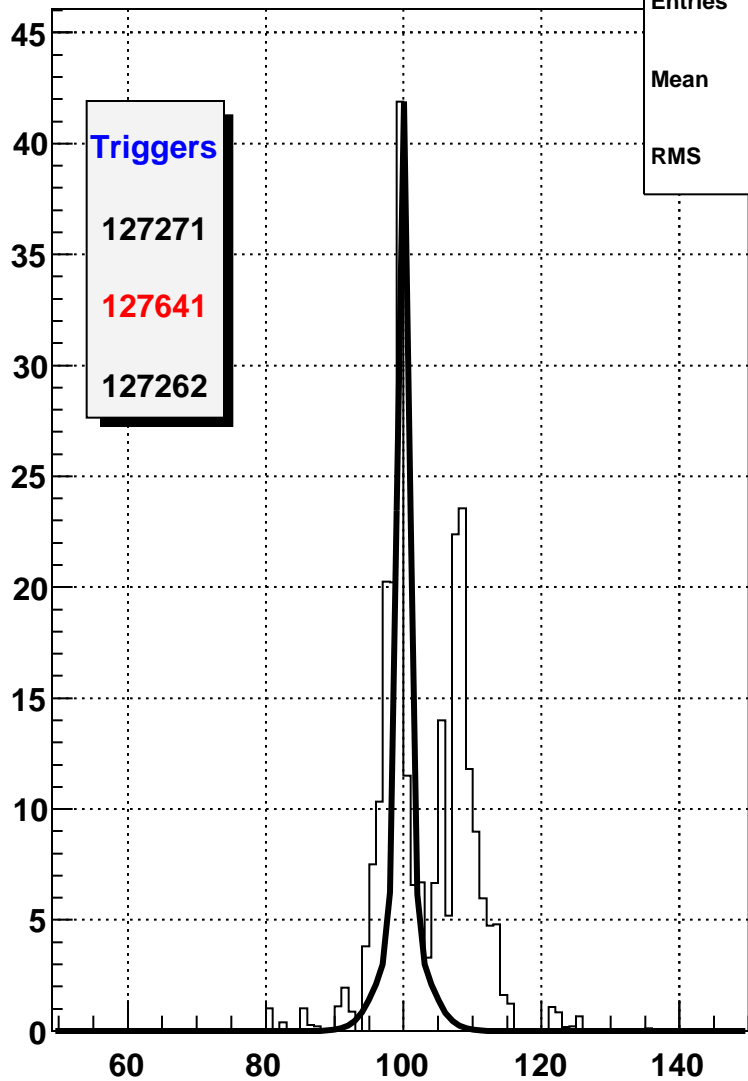
**hSmdv**

Entries	31
Mean	39.51
RMS	7.698

Run=7099047, Event=45815

**hSmdu**

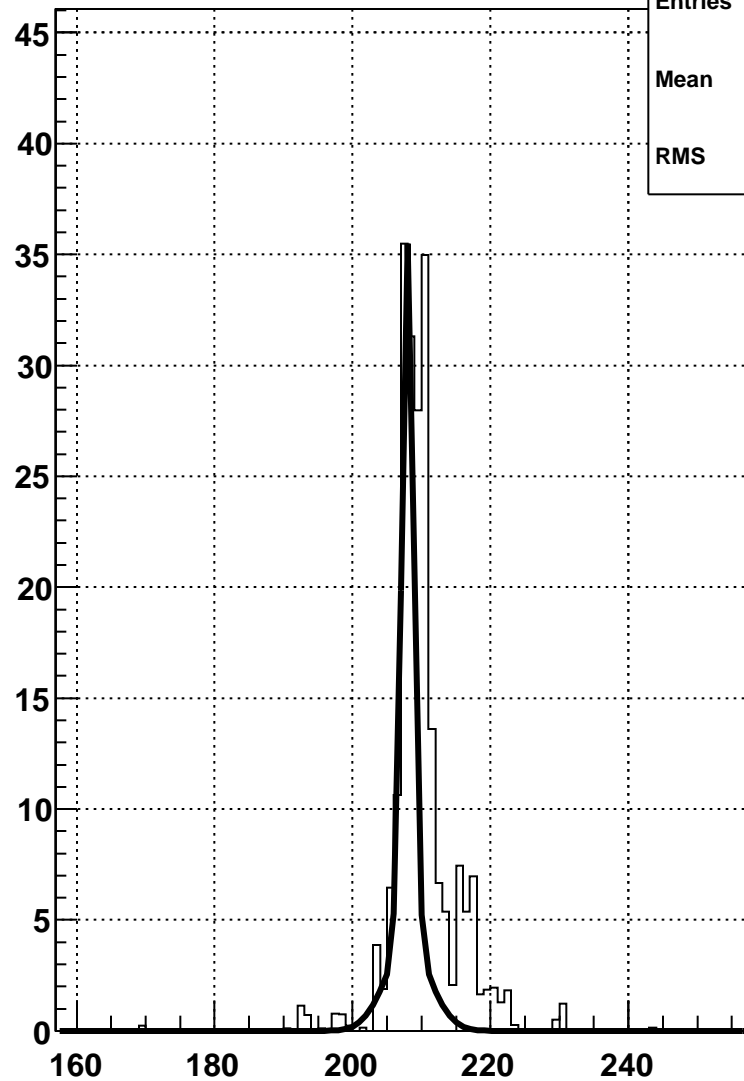
Entries 39  
Mean 103.2  
RMS 6.282



$p_T=10.3$  GeV,  $E=23.3$  GeV

**hSmdv**

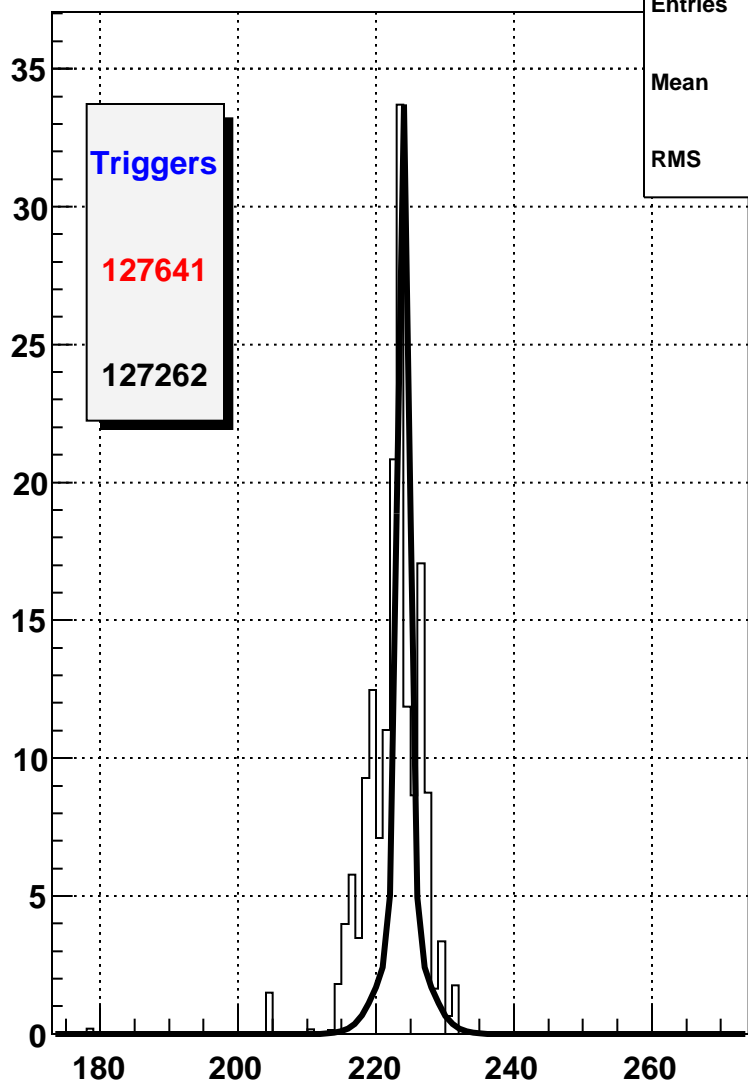
Entries 33  
Mean 210.1  
RMS 4.777



Run=7099047, Event=45871

**hSmdu**

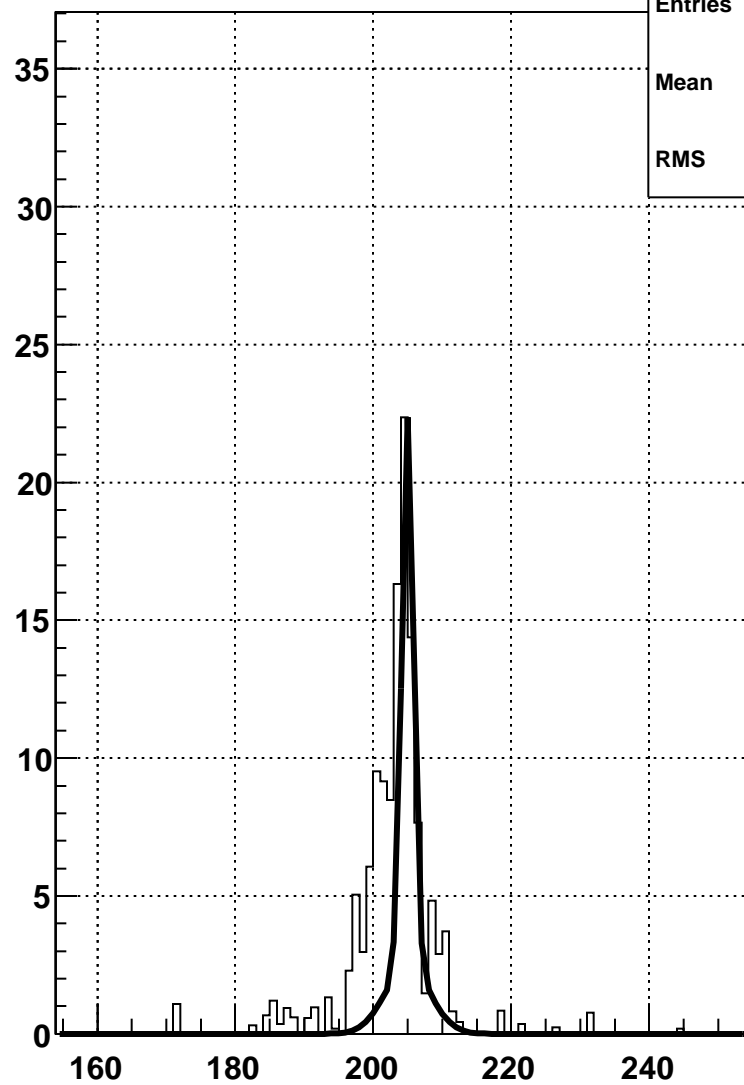
Entries	26
Mean	222.6
RMS	4.174



$p_T=8.0$  GeV,  $E=11.6$  GeV

**hSmdv**

Entries	34
Mean	203
RMS	6.438

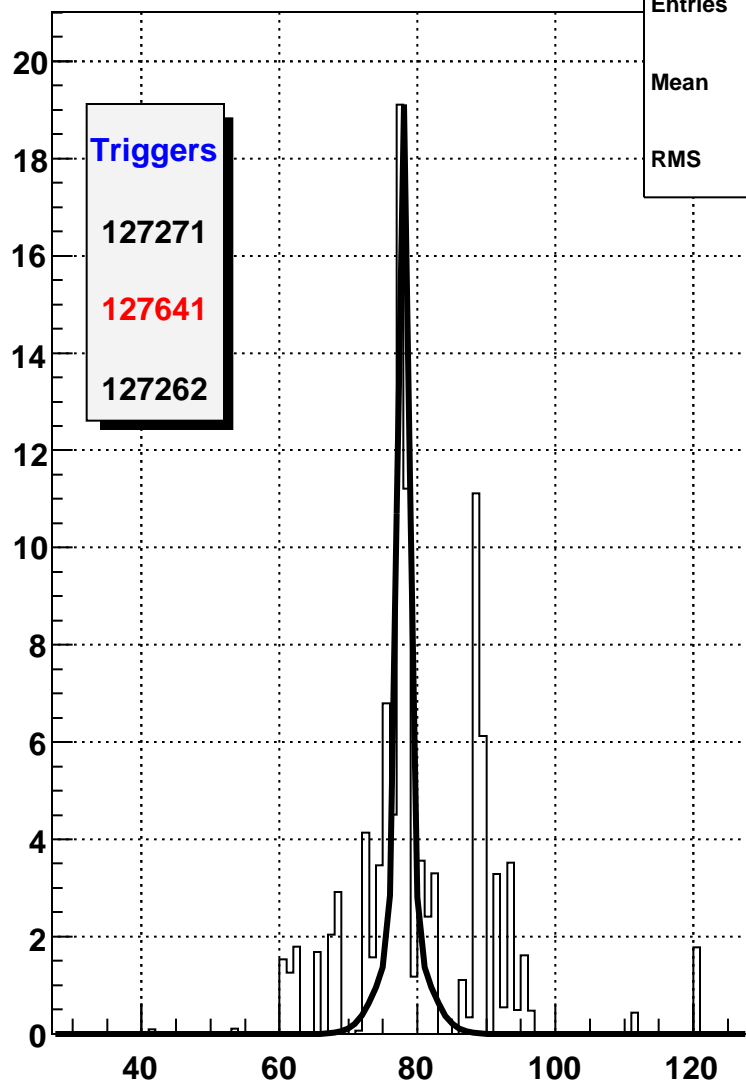




Run=7099047, Event=128297

**hSmdu**

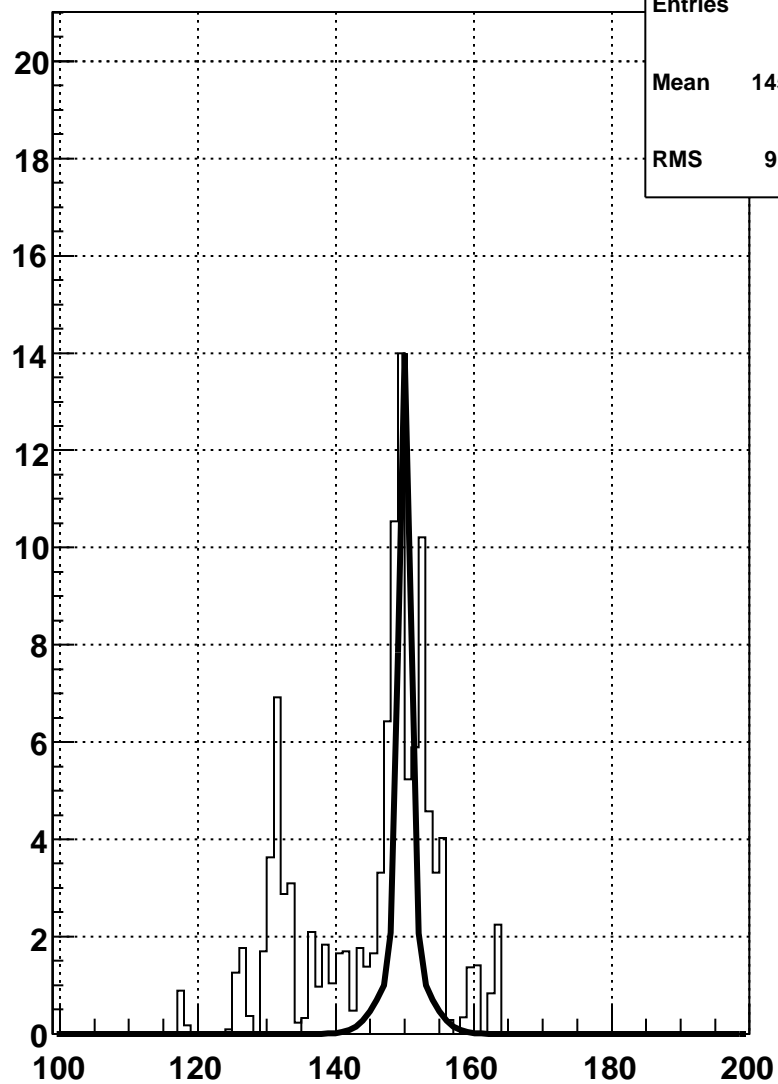
Entries	46
Mean	80.45
RMS	9.893



$p_T=6.8$  GeV,  $E=18.6$  GeV

**hSmdv**

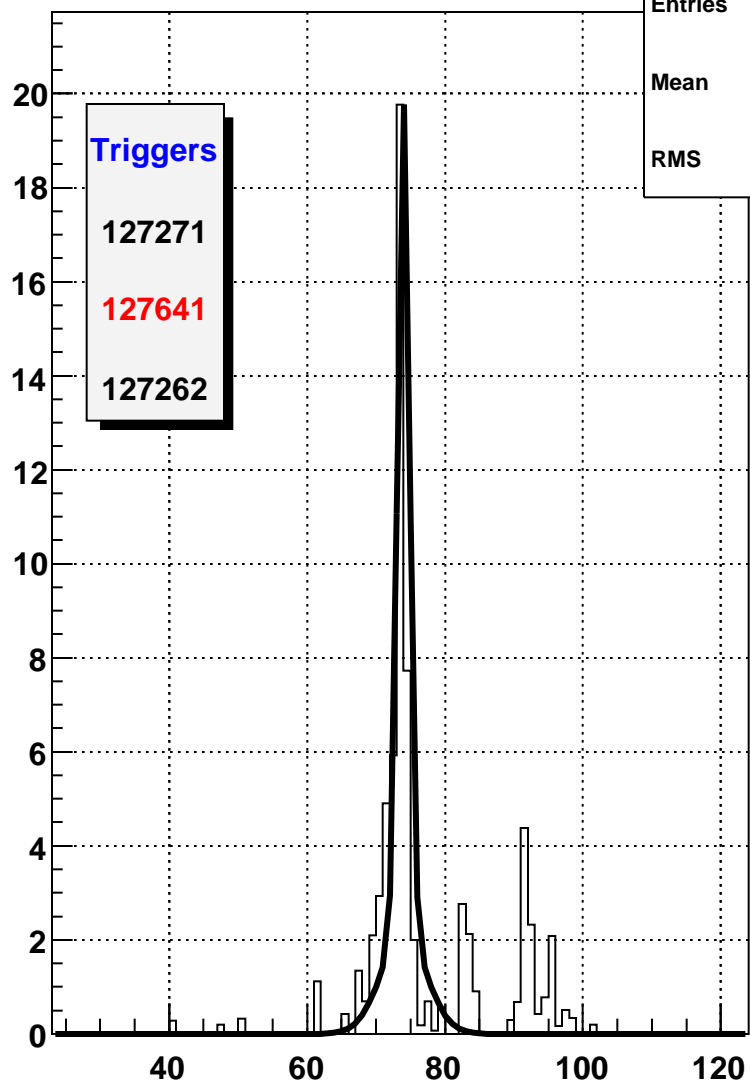
Entries	47
Mean	145.7
RMS	9.46



Run=7099047, Event=128462

**hSmdu**

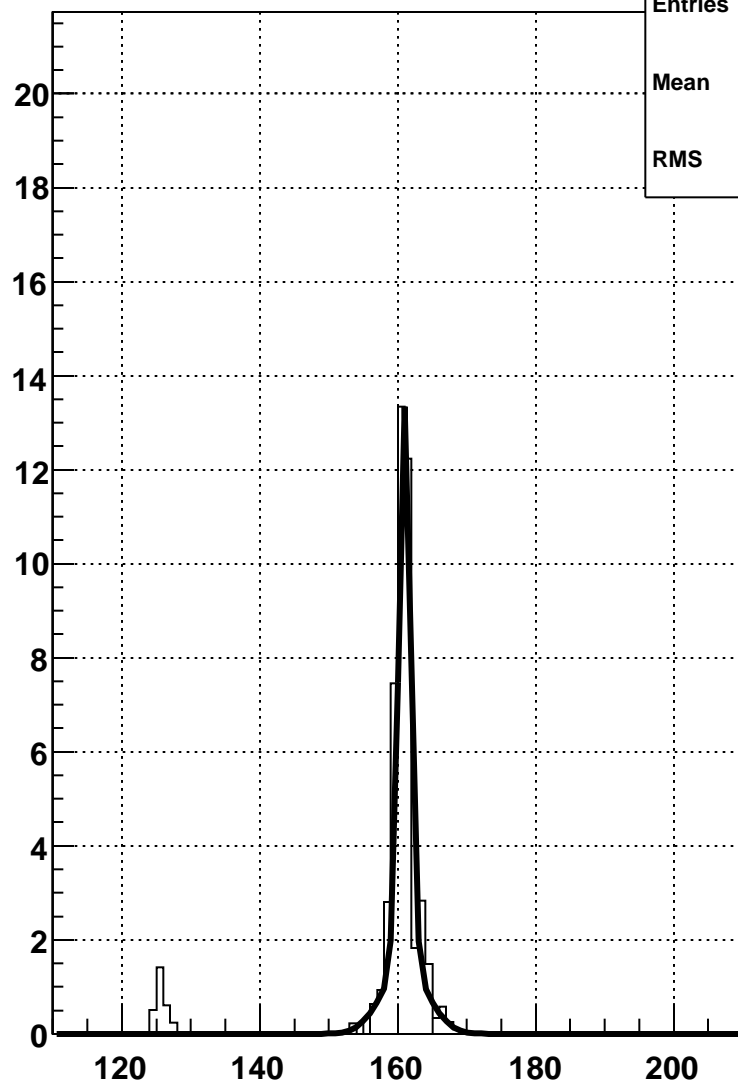
Entries	37
Mean	76.84
RMS	8.967



$p_T=9.1$  GeV,  $E=18.9$  GeV

**hSmdv**

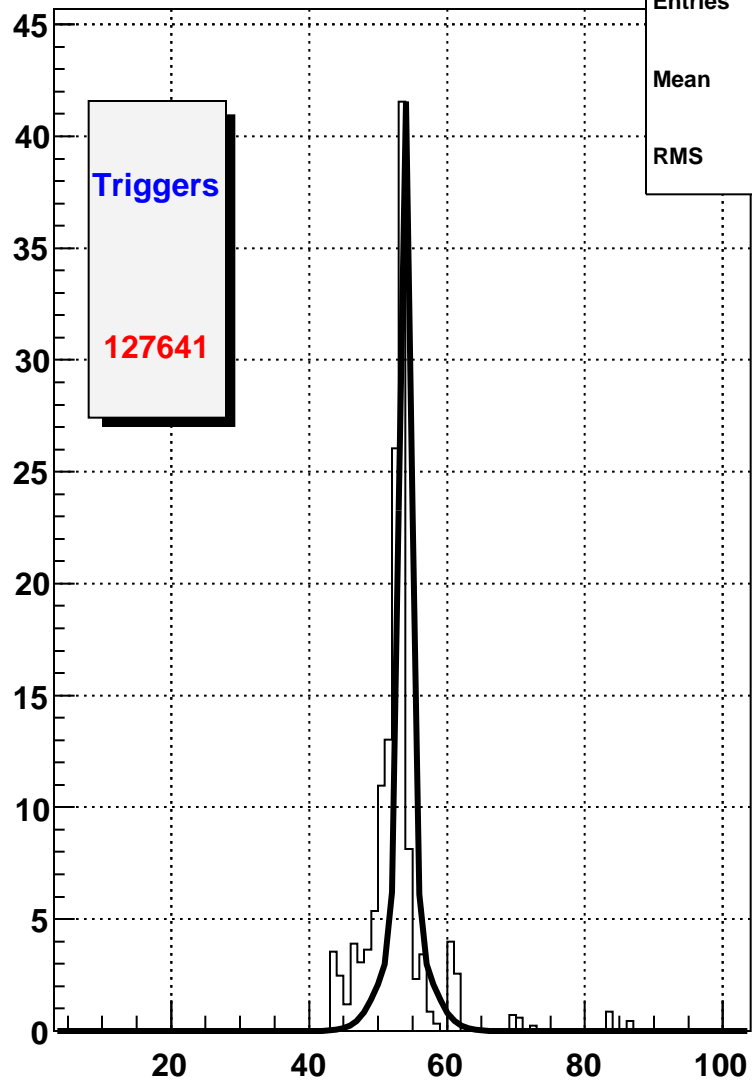
Entries	34
Mean	158.9
RMS	8.407



Run=7099047, Event=128906

**hSmdu**

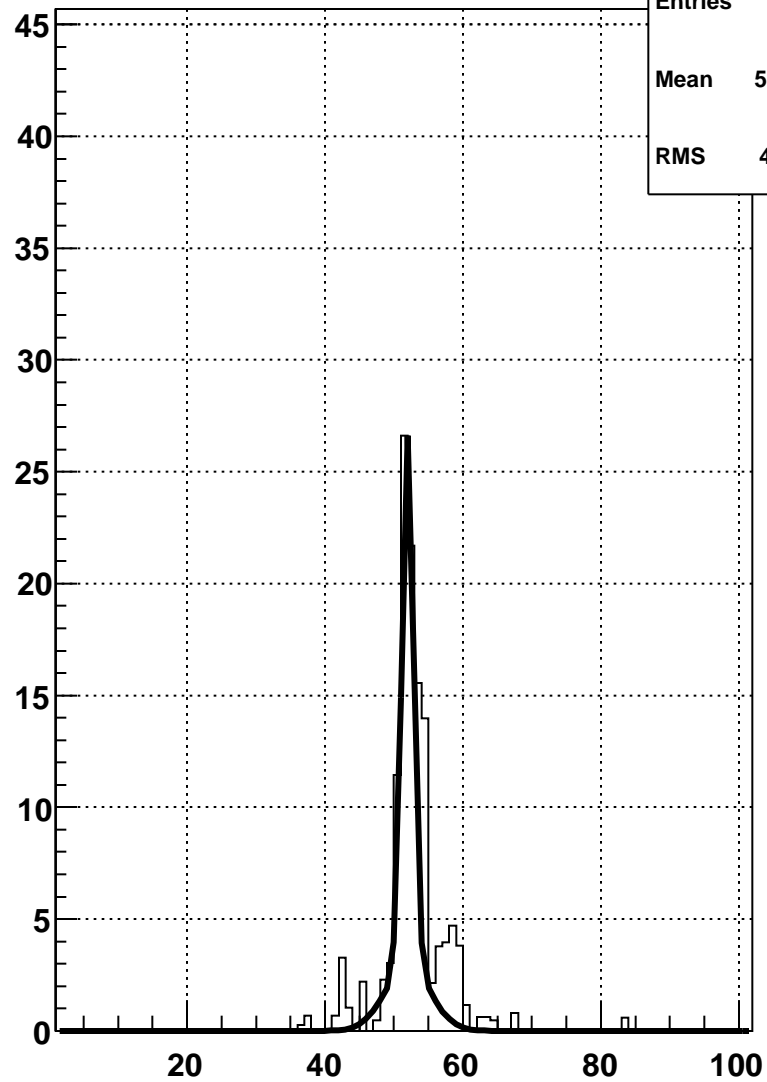
Entries	23
Mean	52.82
RMS	4.912



$p_T=5.8$  GeV,  $E=16.5$  GeV

**hSmdv**

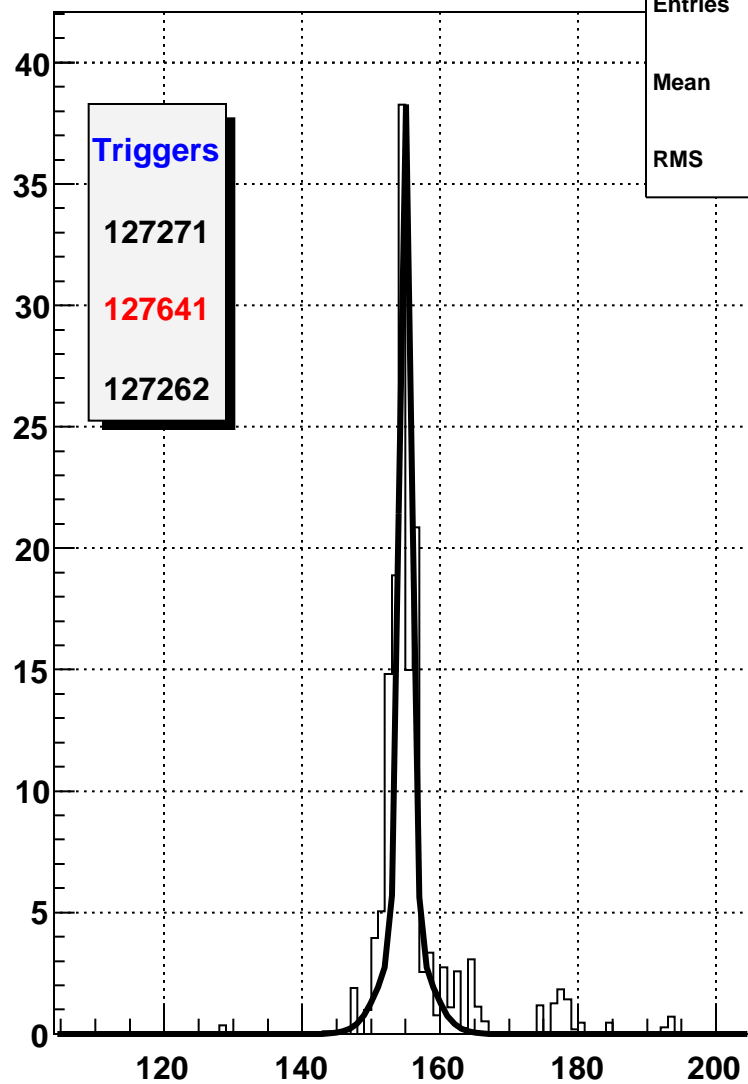
Entries	25
Mean	52.89
RMS	4.521



Run=7099047, Event=129016

**hSmdu**

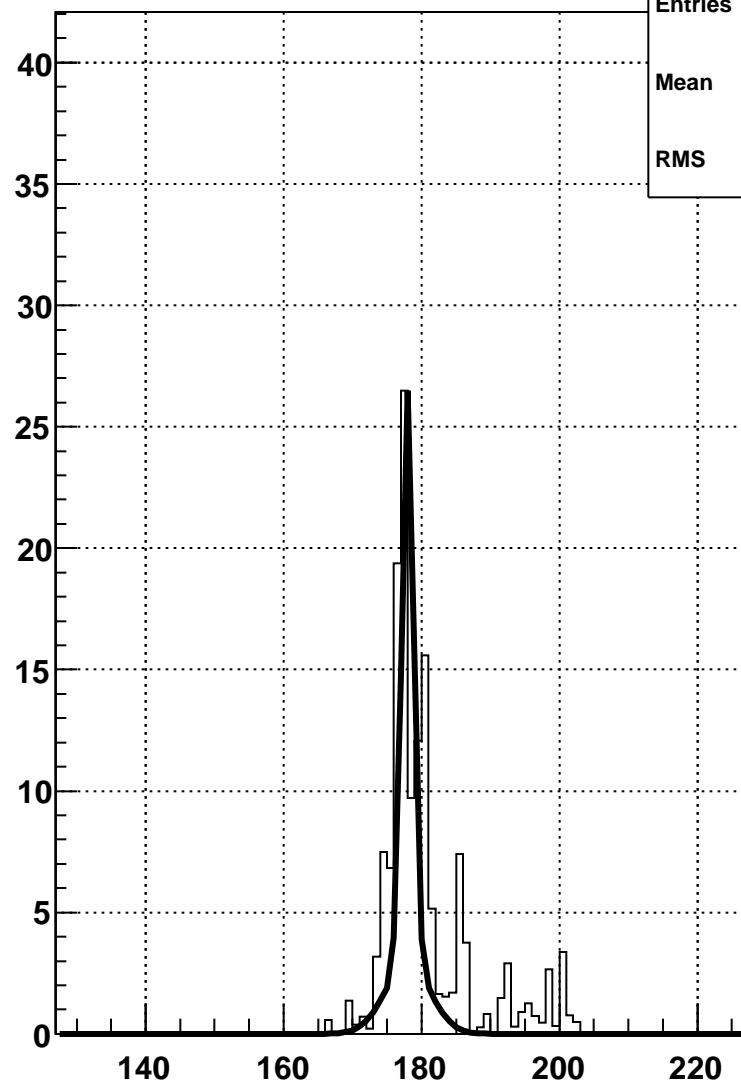
Entries	30
Mean	156.3
RMS	6.568



$p_T=6.7$  GeV,  $E=15.3$  GeV

**hSmdv**

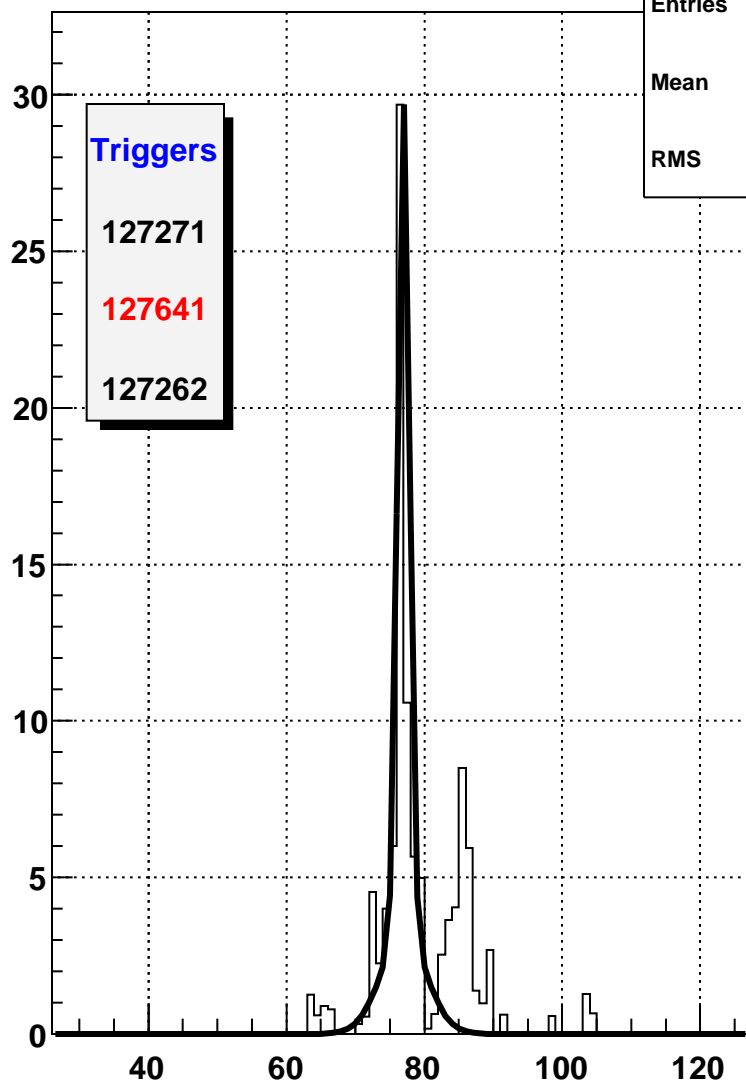
Entries	37
Mean	180.6
RMS	6.747



Run=7099047, Event=129899

**hSmdu**

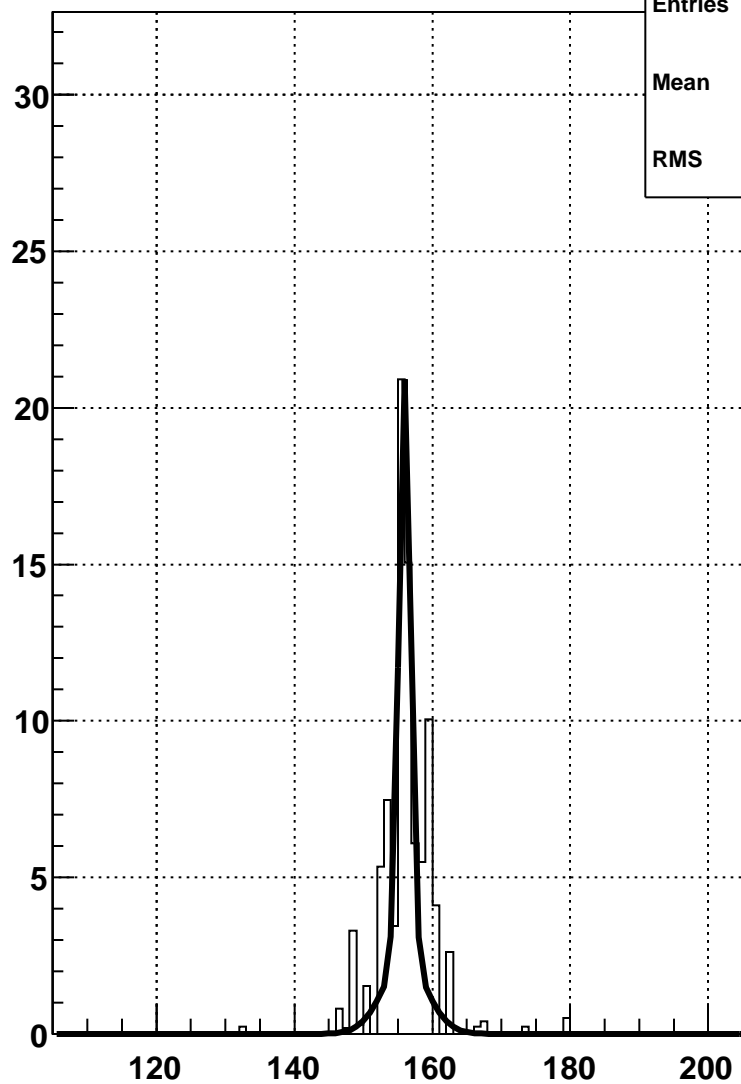
Entries	28
Mean	79.35
RMS	6.368



$p_T=5.5$  GeV,  $E=13.3$  GeV

**hSmdv**

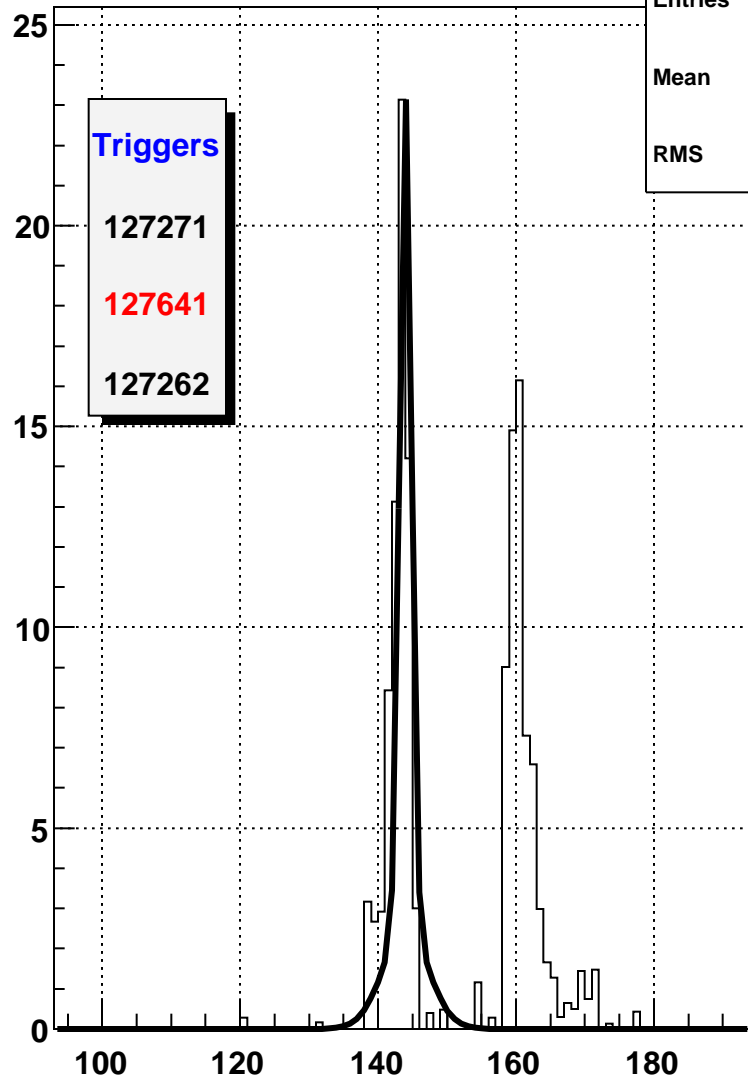
Entries	20
Mean	156.2
RMS	3.948



Run=7099047, Event=129969

**hSmdu**

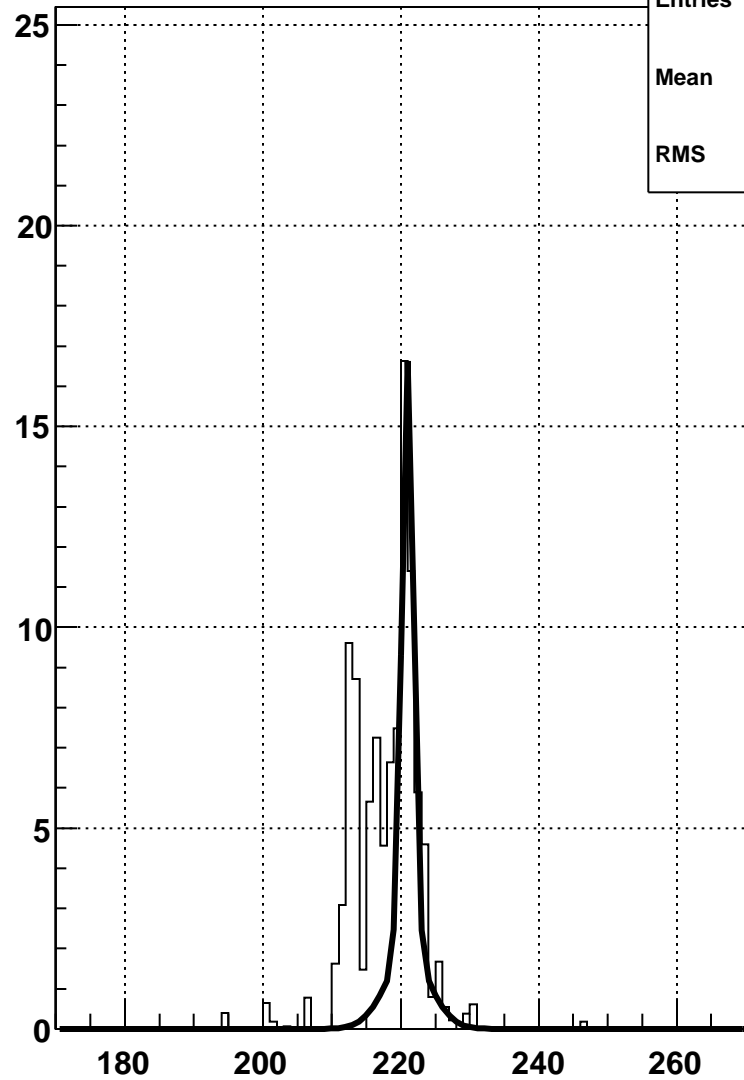
Entries	30
Mean	151.8
RMS	9.697



$p_T=6.3$  GeV,  $E=14.5$  GeV

**hSmdv**

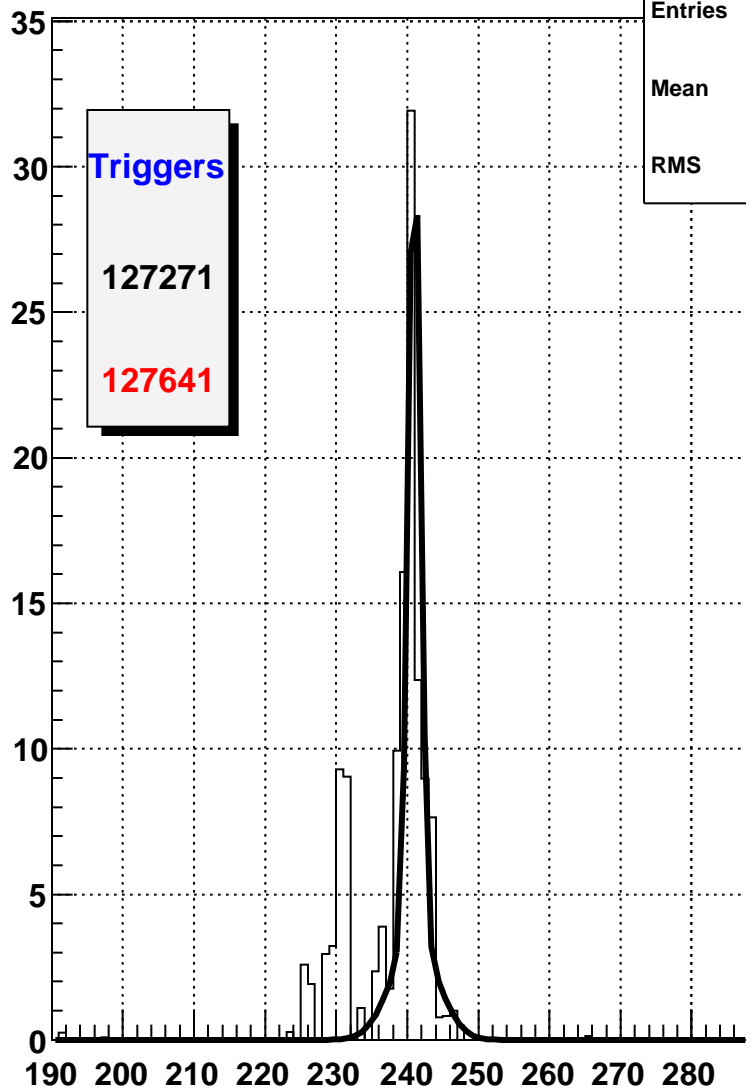
Entries	27
Mean	218
RMS	4.833



Run=7099047, Event=130153

**hSmdu**

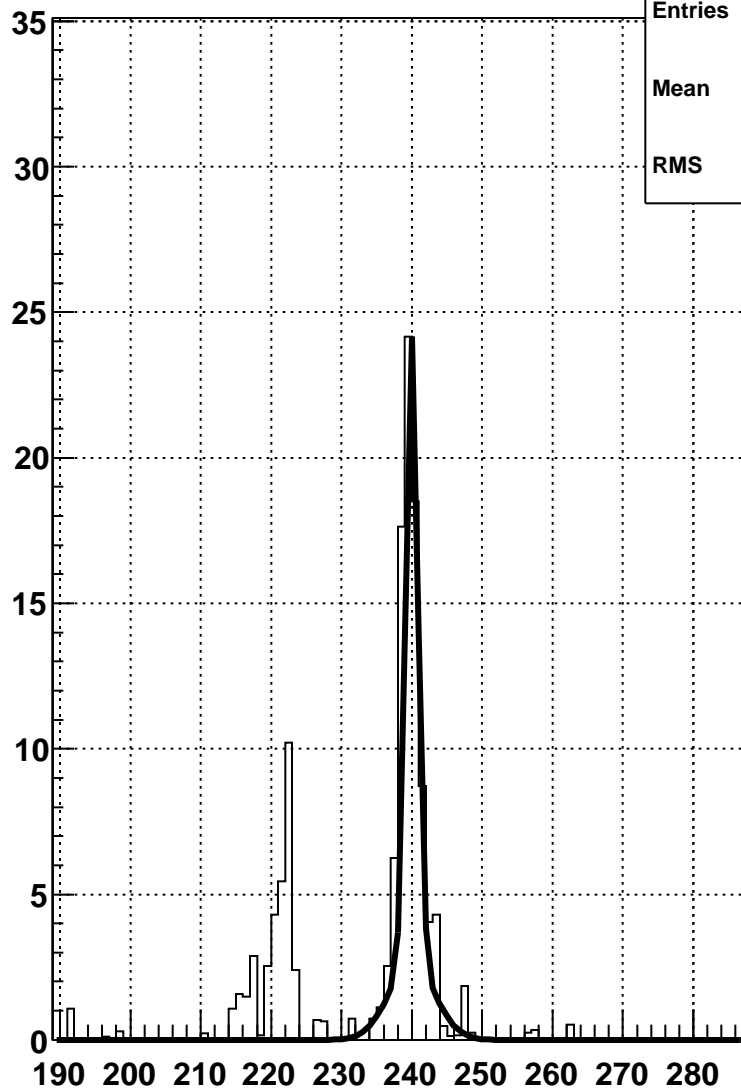
Entries	44
Mean	237.8
RMS	5.595



$p_T=6.9$  GeV,  $E=17.2$  GeV

**hSmdv**

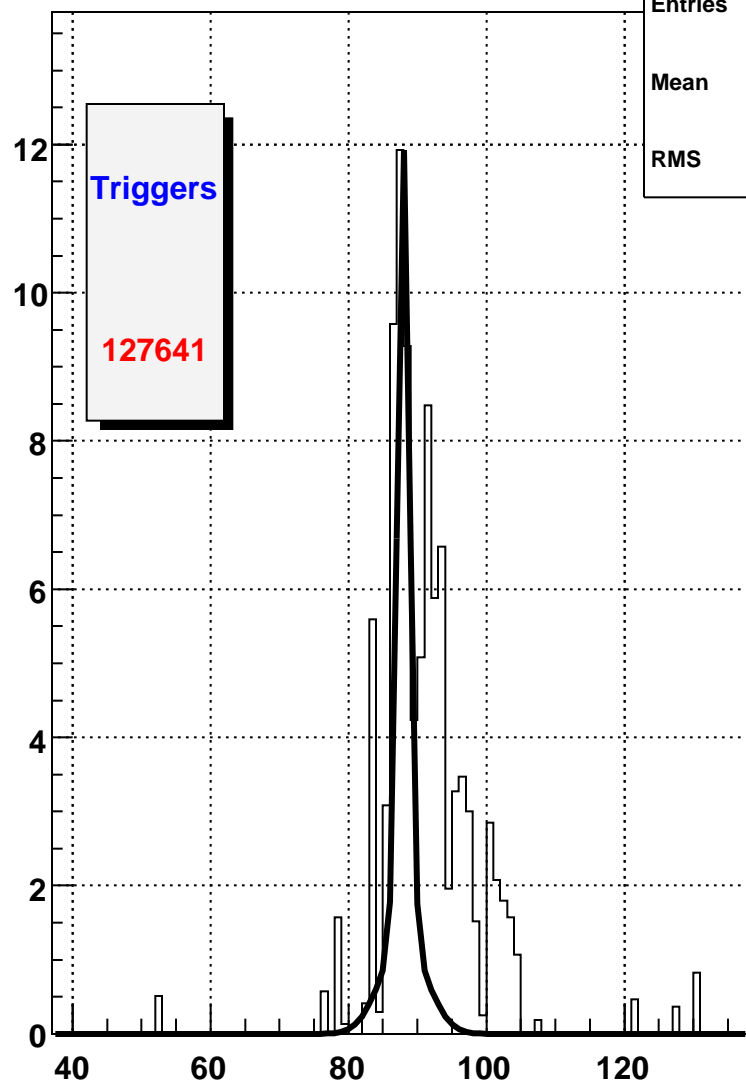
Entries	44
Mean	234.5
RMS	10.07



Run=7099047, Event=130369

**hSmdu**

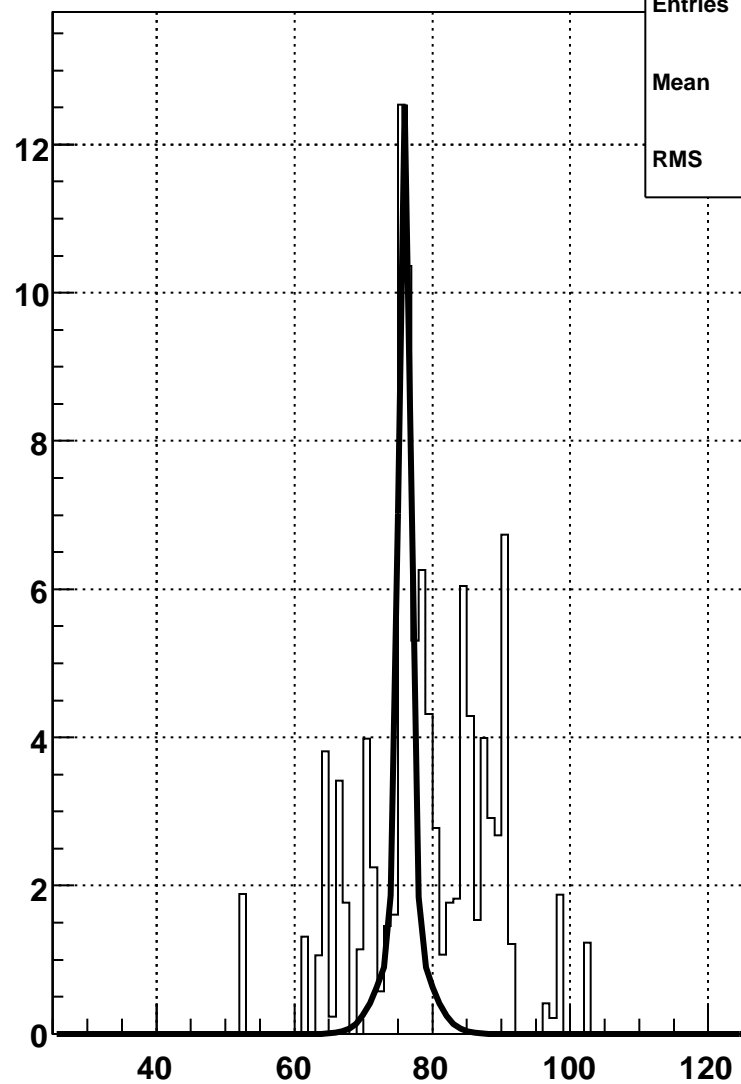
Entries	31
Mean	91.41
RMS	7.753



$p_T=5.4$  GeV,  $E=13.7$  GeV

**hSmdv**

Entries	34
Mean	78.84
RMS	9.038

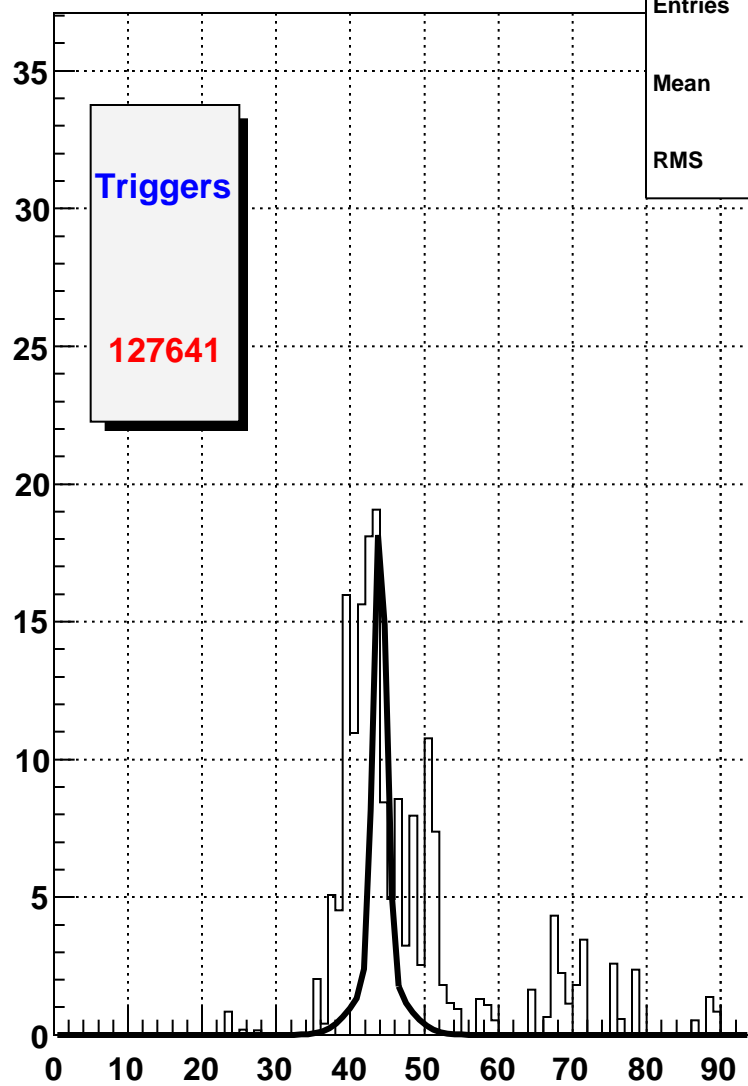




Run=7099047, Event=131338

**hSmdu**

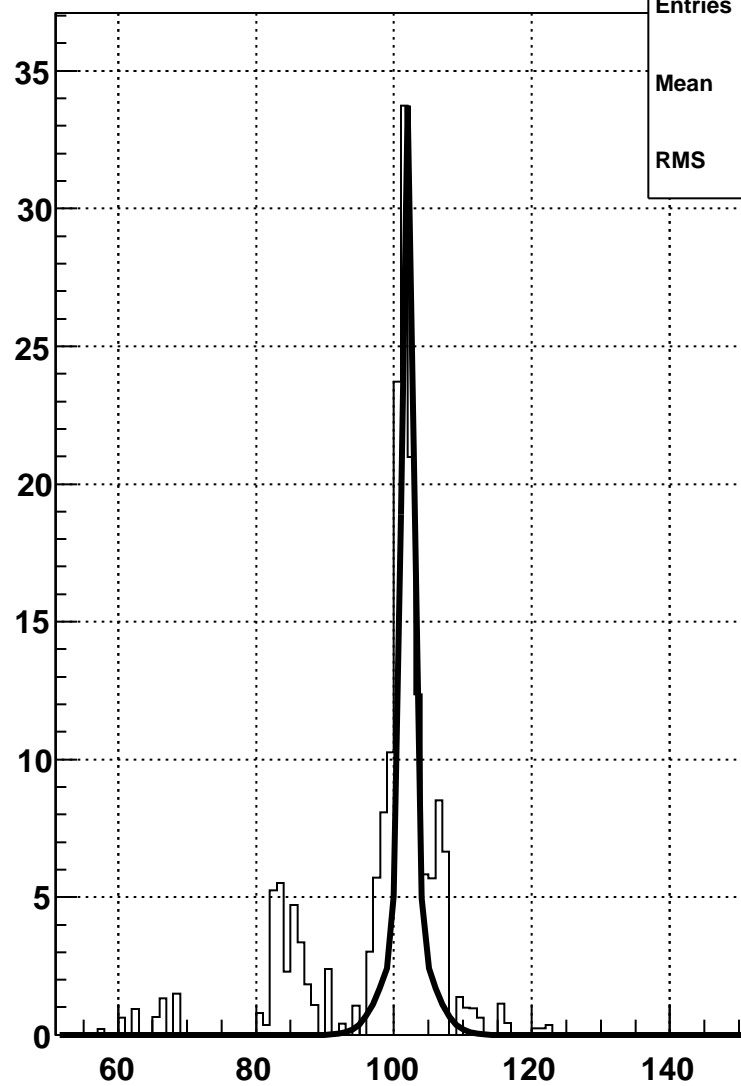
Entries	39
Mean	47.89
RMS	11.1



$p_T=6.1$  GeV,  $E=16.9$  GeV

**hSmdv**

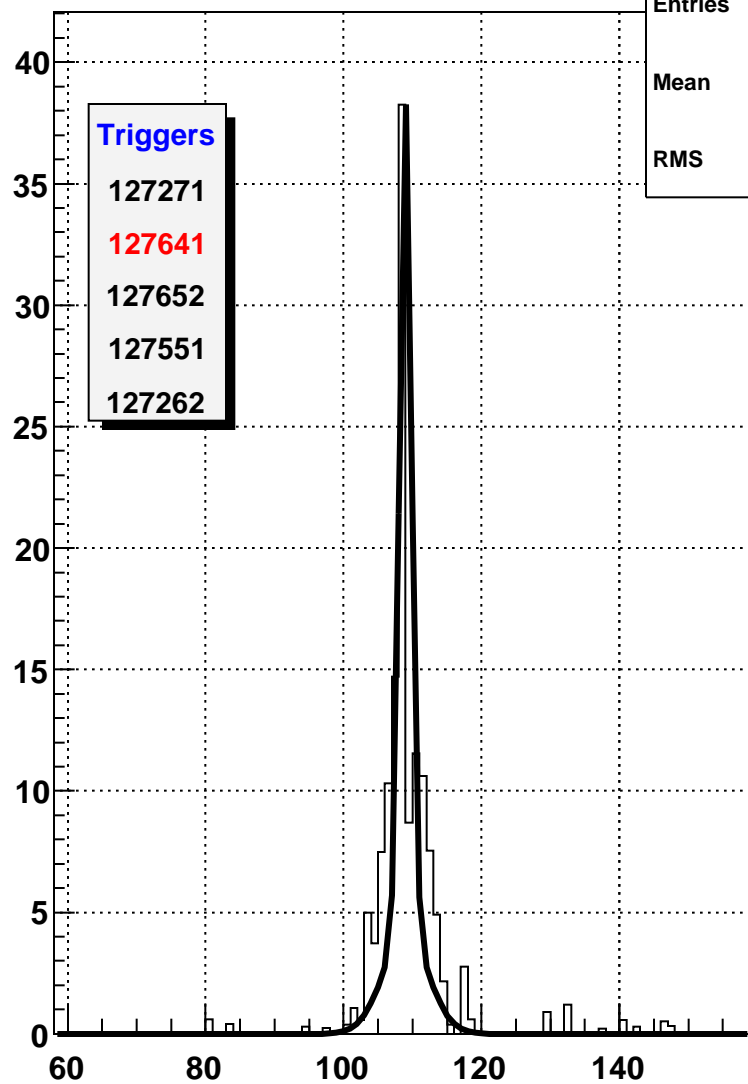
Entries	39
Mean	98.7
RMS	9.074



Run=7099047, Event=132063

**hSmdu**

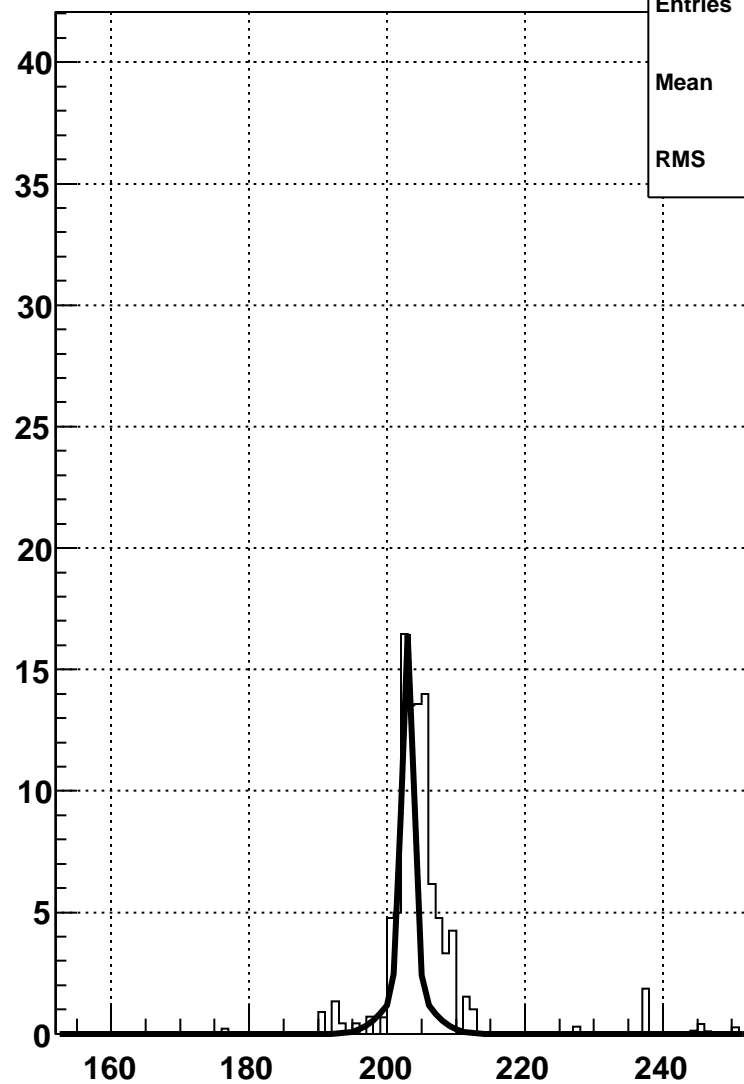
Entries	29
Mean	109.5
RMS	6.245



$p_T=8.3$  GeV,  $E=17.3$  GeV

**hSmdv**

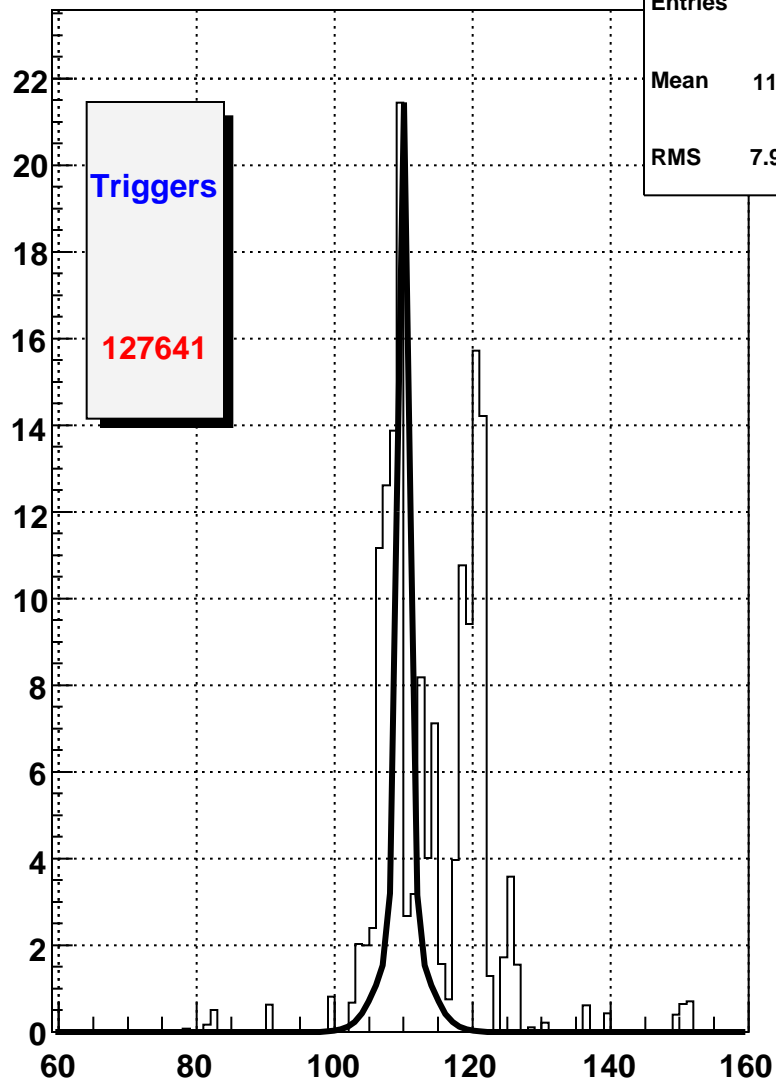
Entries	28
Mean	205.2
RMS	7.27



Run=7099047, Event=39342

**hSmdu**

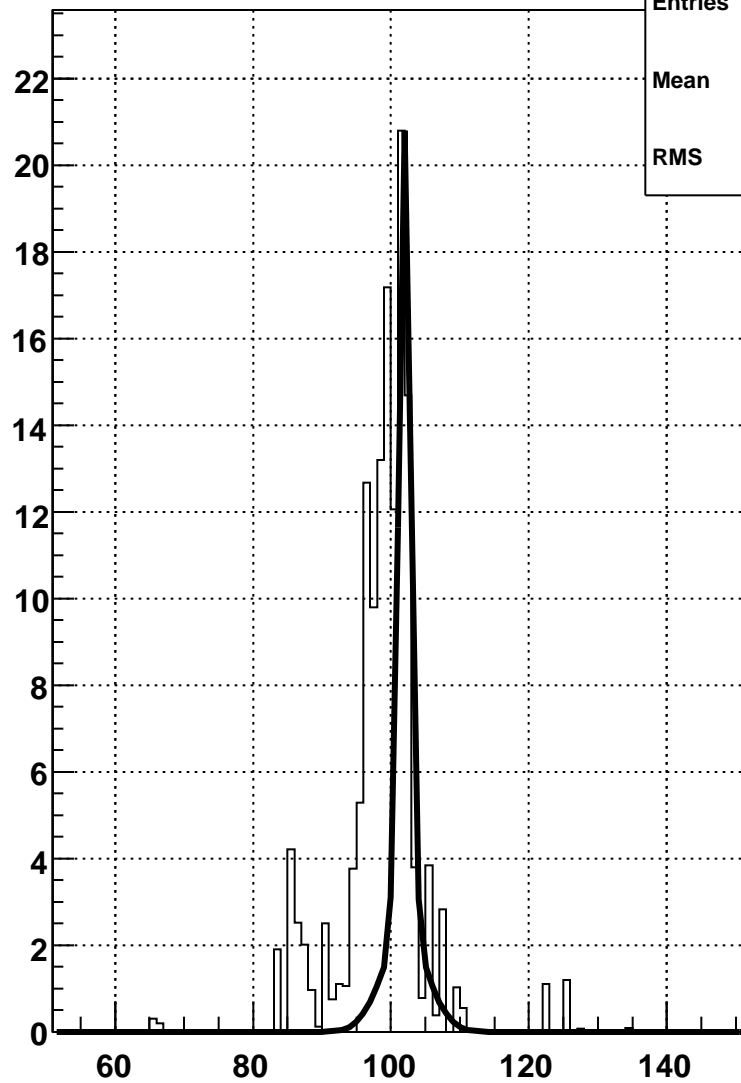
Entries	36
Mean	114.2
RMS	7.907



$p_T=7.2$  GeV,  $E=17.2$  GeV

**hSmdv**

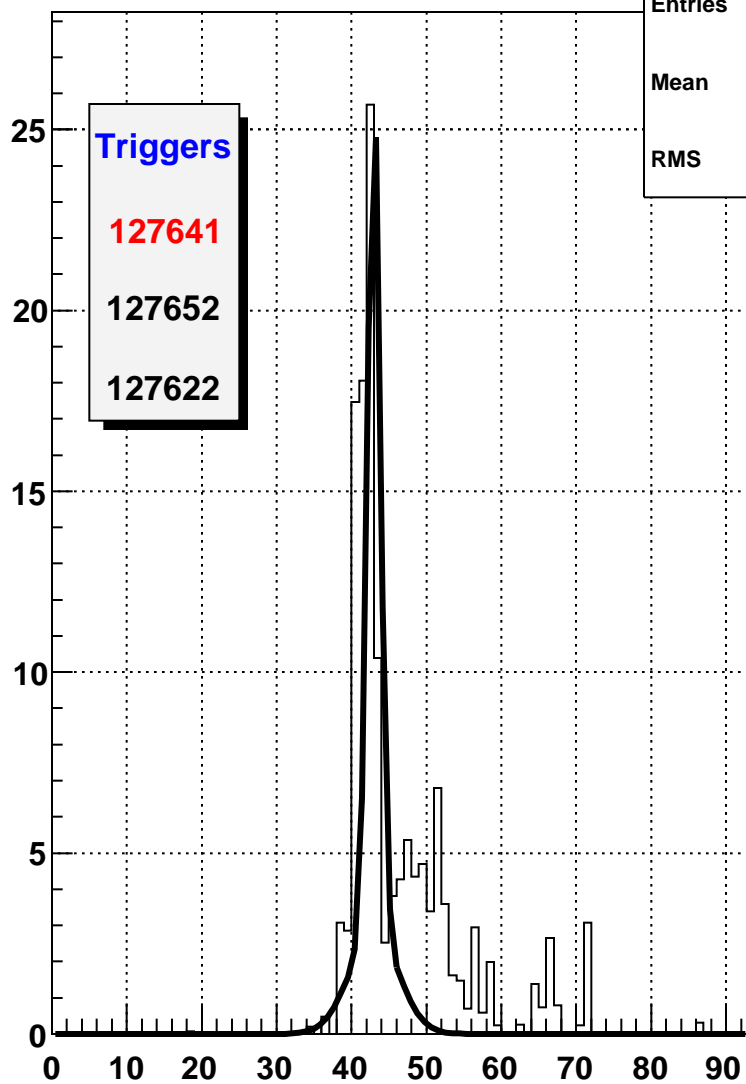
Entries	32
Mean	98.9
RMS	6.344



Run=7099047, Event=39798

**hSmdu**

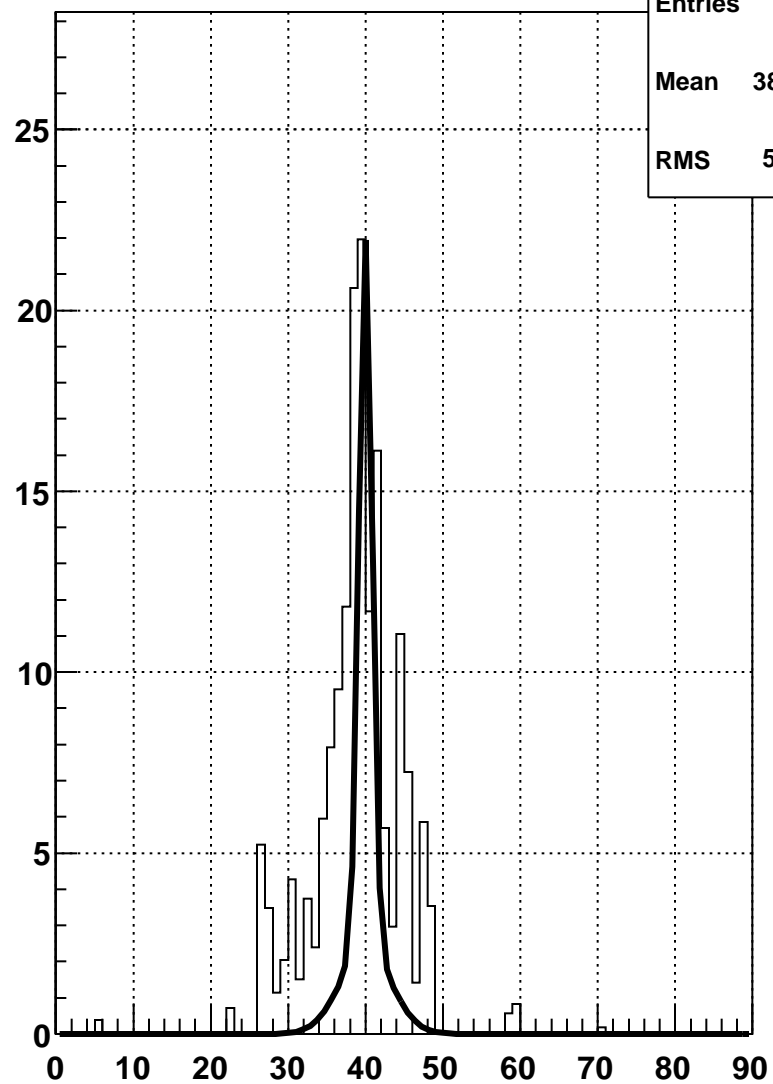
Entries	33
Mean	46.54
RMS	7.734



$p_T=5.0$  GeV,  $E=17.2$  GeV

**hSmdv**

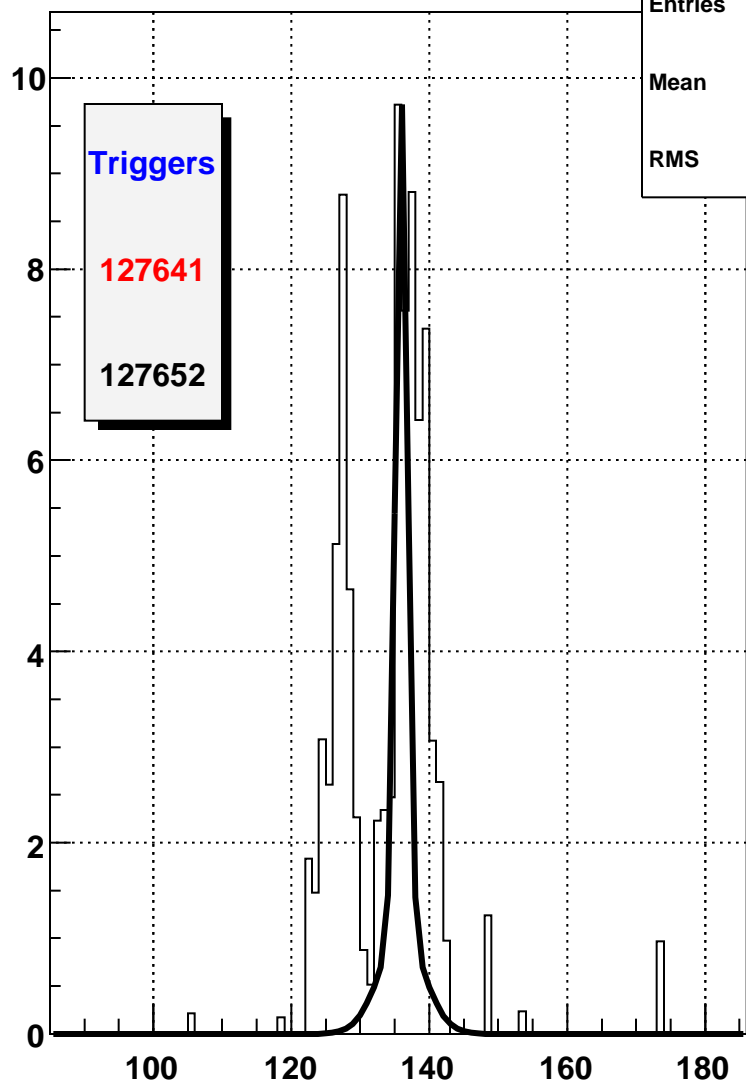
Entries	28
Mean	38.91
RMS	5.74



Run=7099047, Event=41478

**hSmdu**

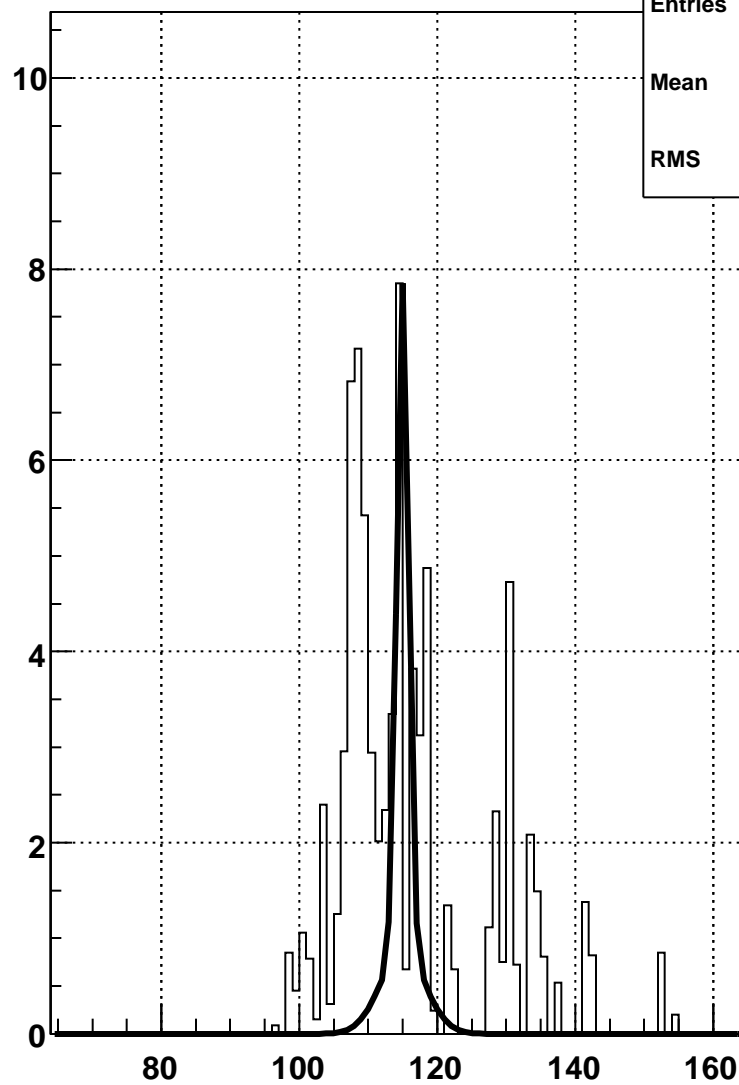
Entries	26
Mean	134.1
RMS	7.317



$p_T=6.8$  GeV,  $E=17.4$  GeV

**hSmdv**

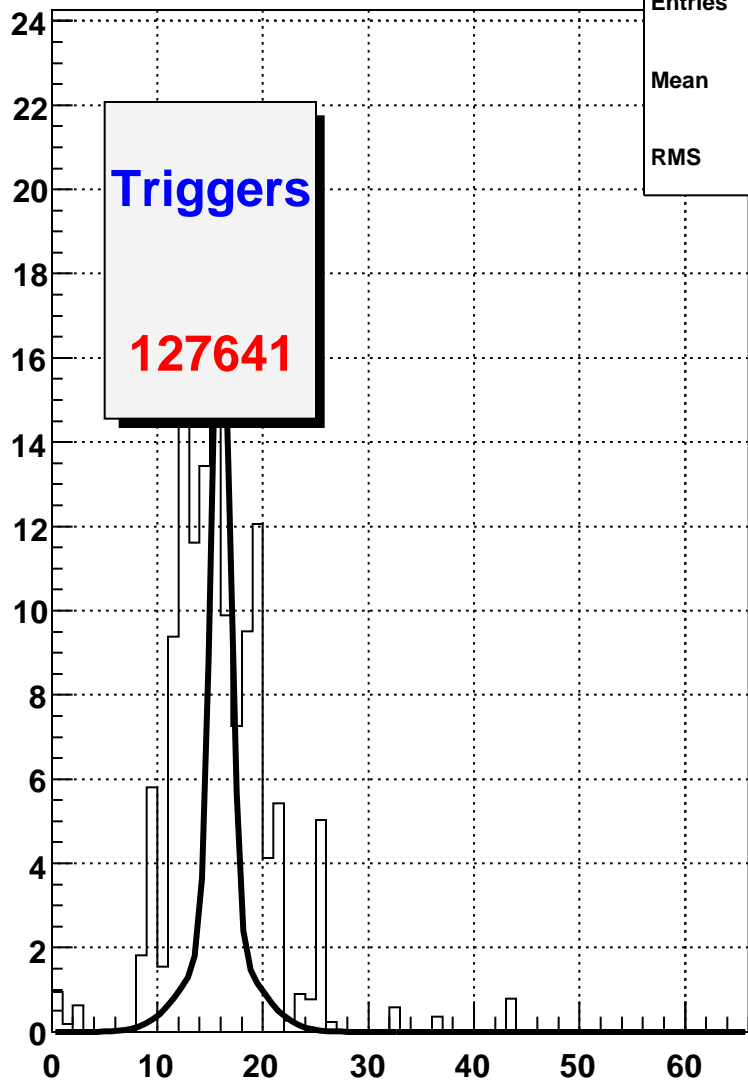
Entries	38
Mean	116.3
RMS	10.87



Run=7099047, Event=41657

**hSmdu**

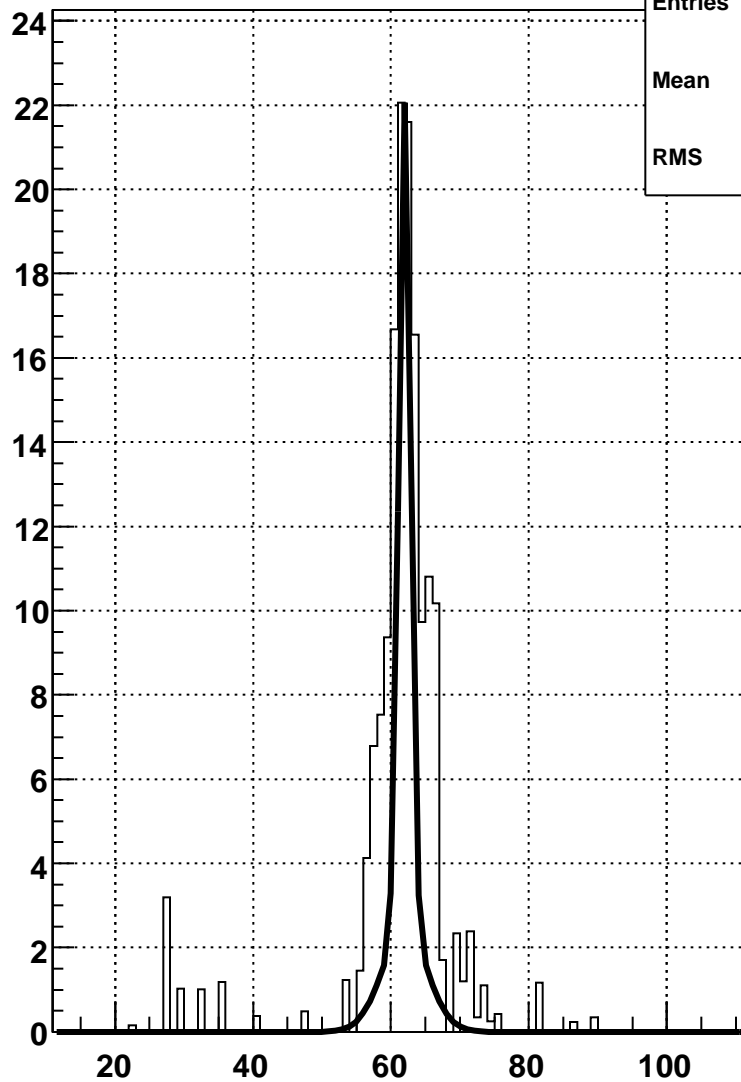
Entries	25
Mean	15.87
RMS	4.84



$p_T=5.3$  GeV,  $E=17.9$  GeV

**hSmdv**

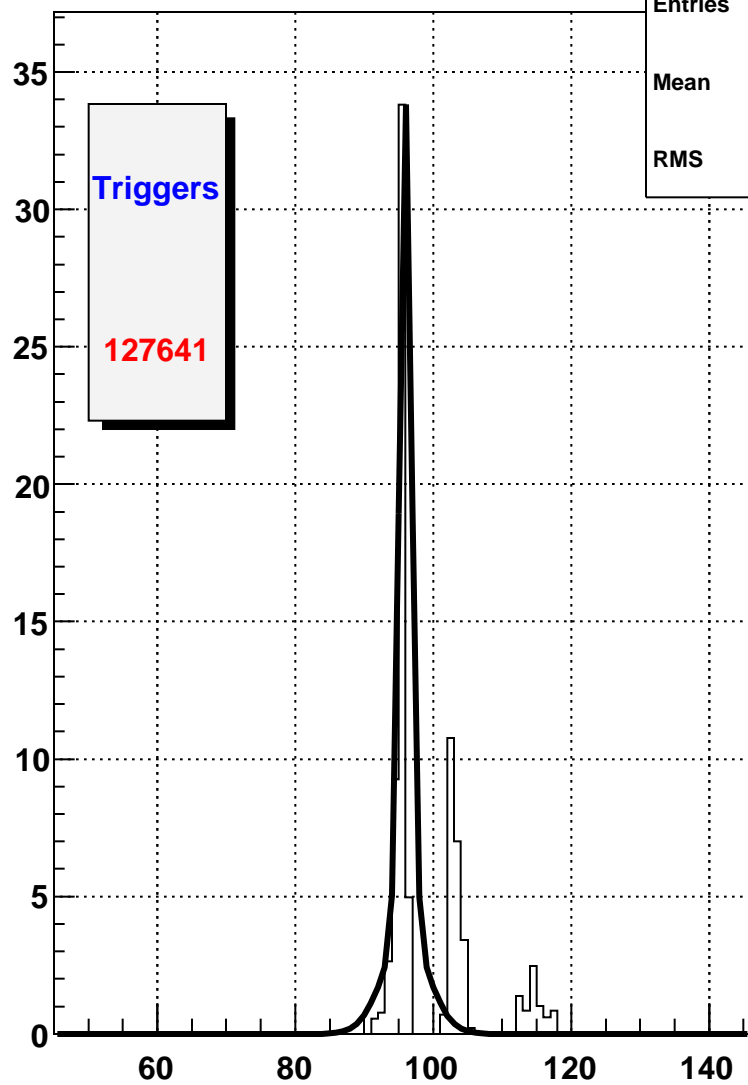
Entries	31
Mean	61.24
RMS	7.86



Run=7099047, Event=120288

**hSmdu**

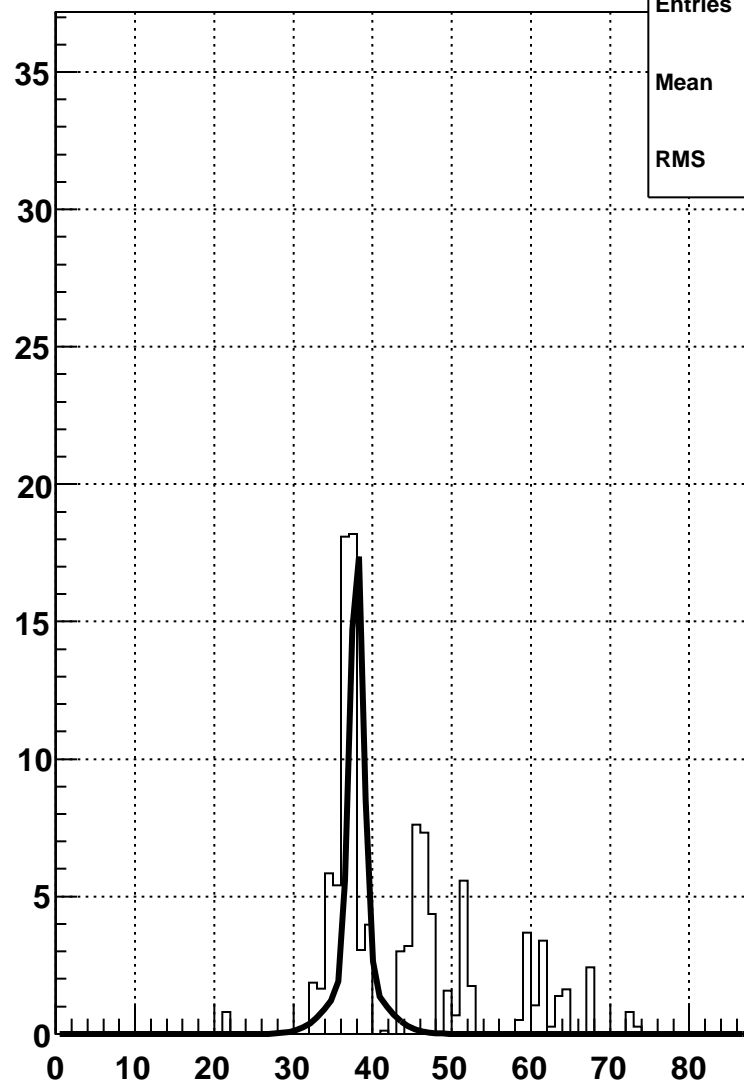
Entries	17
Mean	99.09
RMS	6.012



$p_T=5.0$  GeV,  $E=17.1$  GeV

**hSmdv**

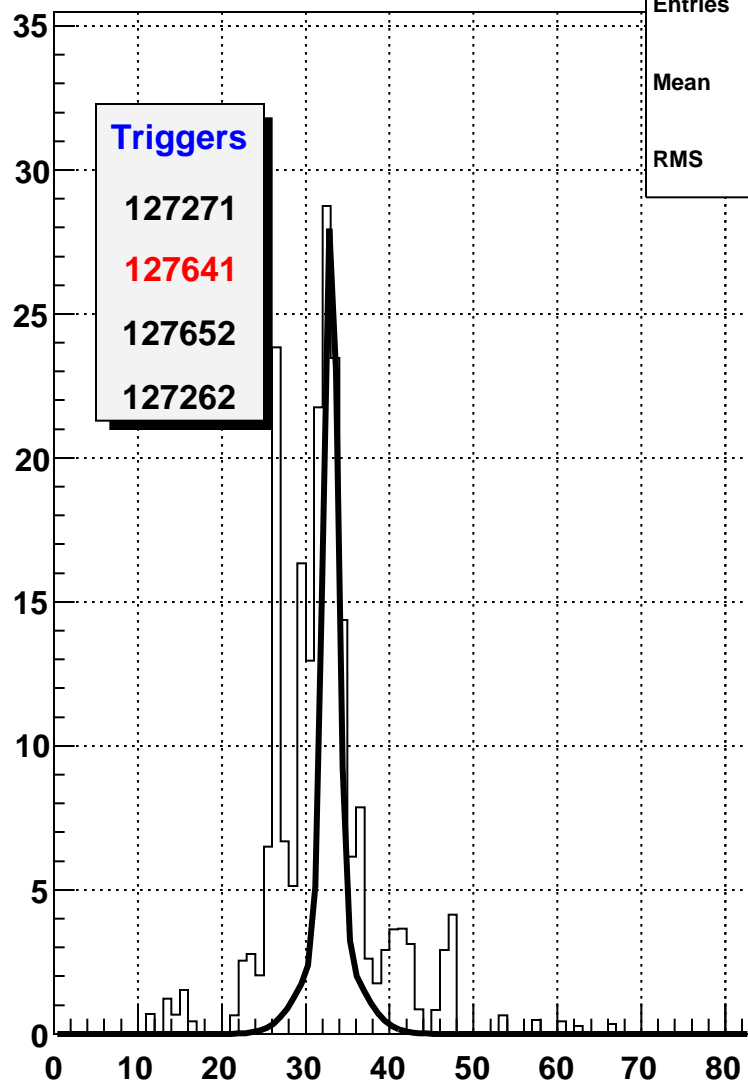
Entries	29
Mean	43.65
RMS	9.64



Run=7099047, Event=120642

**hSmdu**

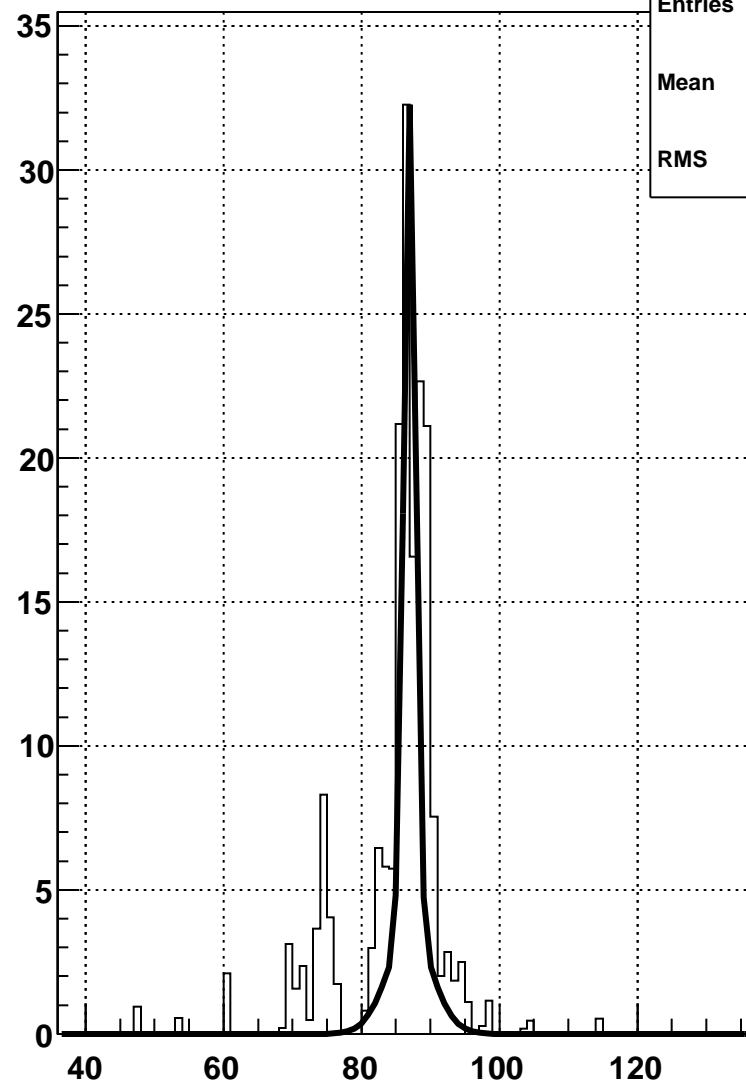
Entries	36
Mean	32.15
RMS	6.293



$p_T=6.1$  GeV,  $E=27.2$  GeV

**hSmdv**

Entries	34
Mean	85.05
RMS	7.18

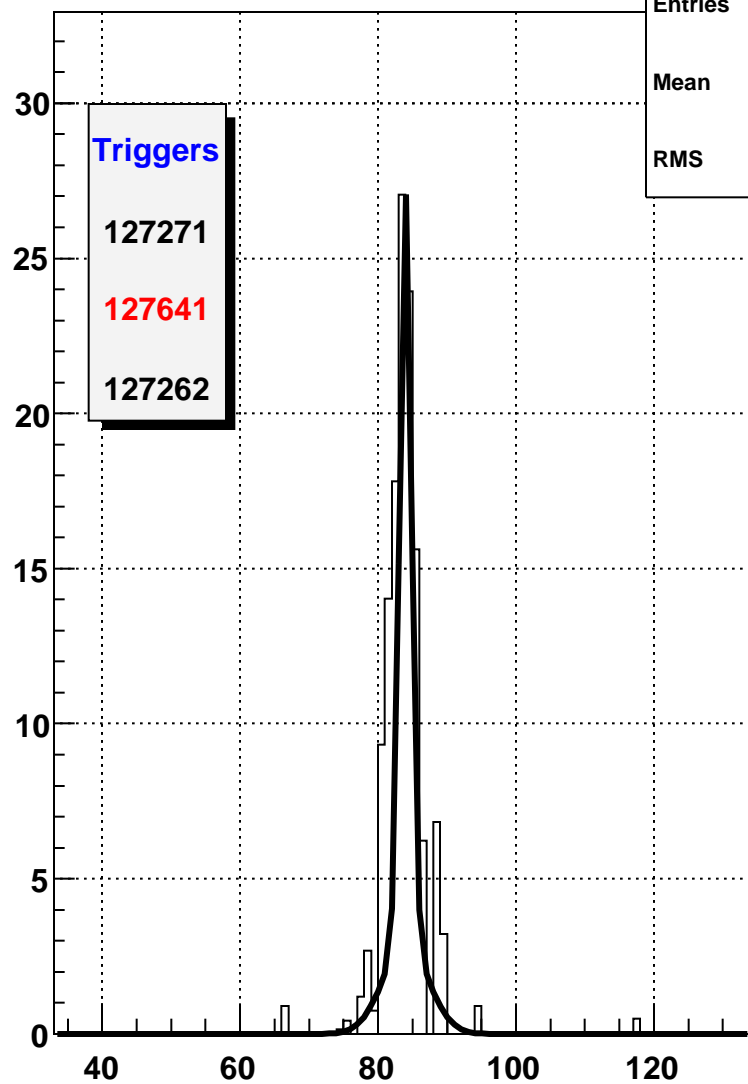




Run=7099047, Event=121004

**hSmdu**

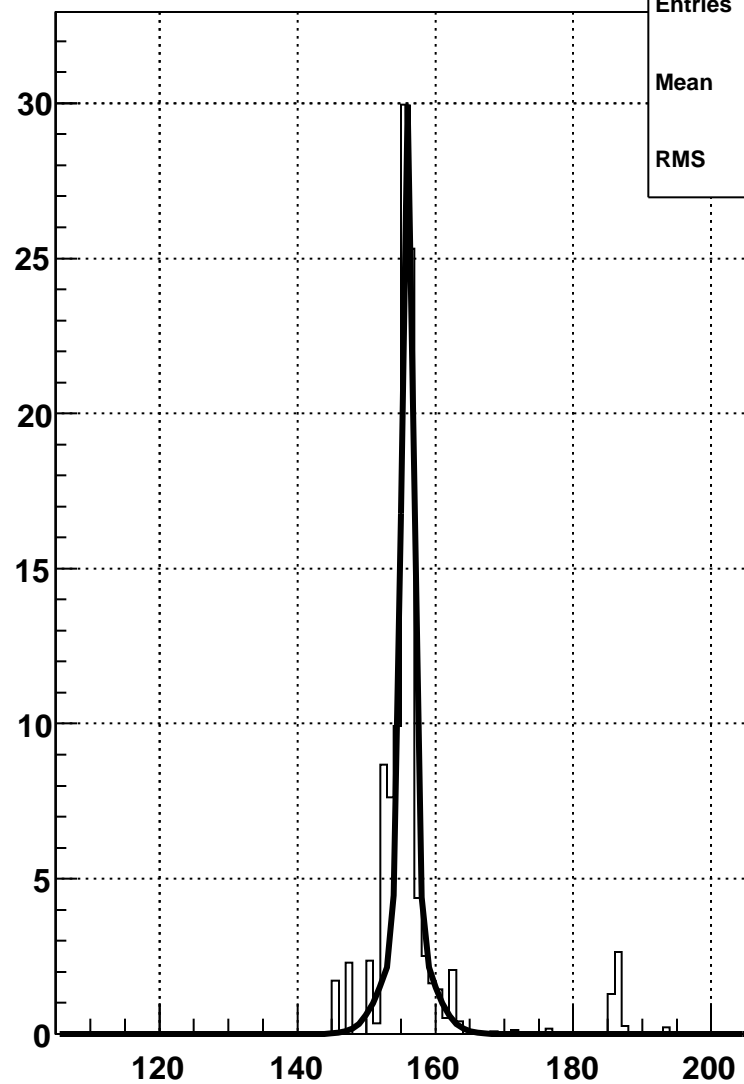
Entries	18
Mean	83.79
RMS	3.59



$p_T=5.6$  GeV,  $E=12.4$  GeV

**hSmdv**

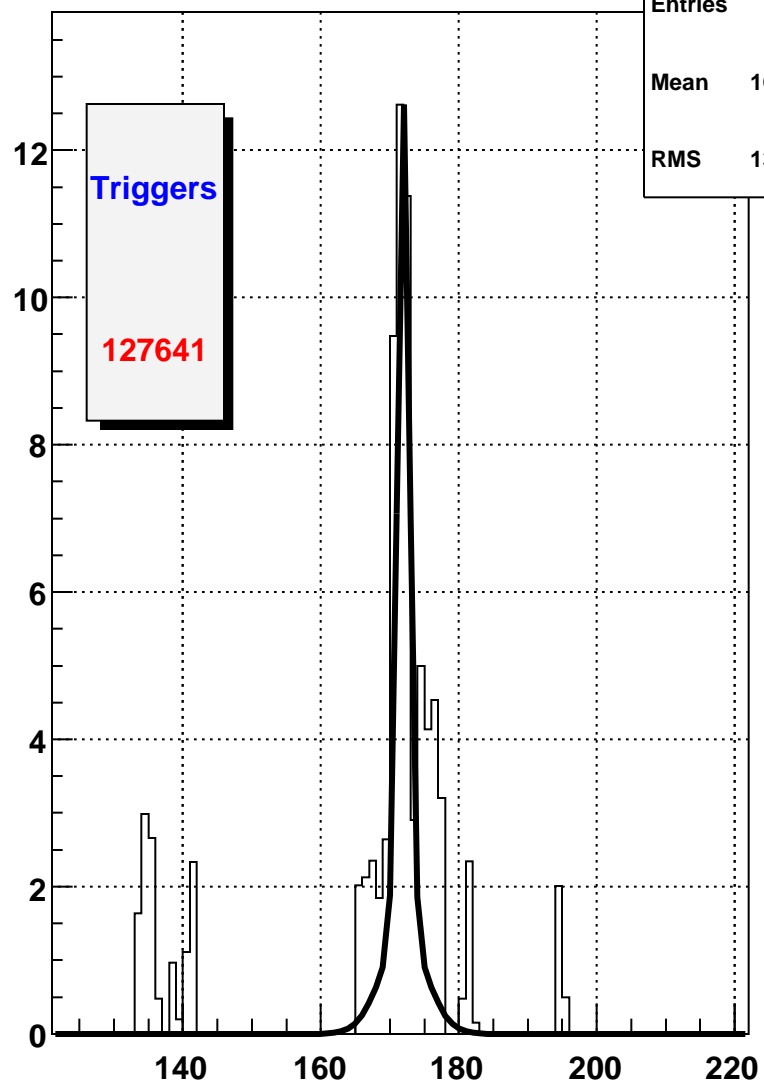
Entries	23
Mean	156.6
RMS	6.897



Run=7099047, Event=121772

**hSmdu**

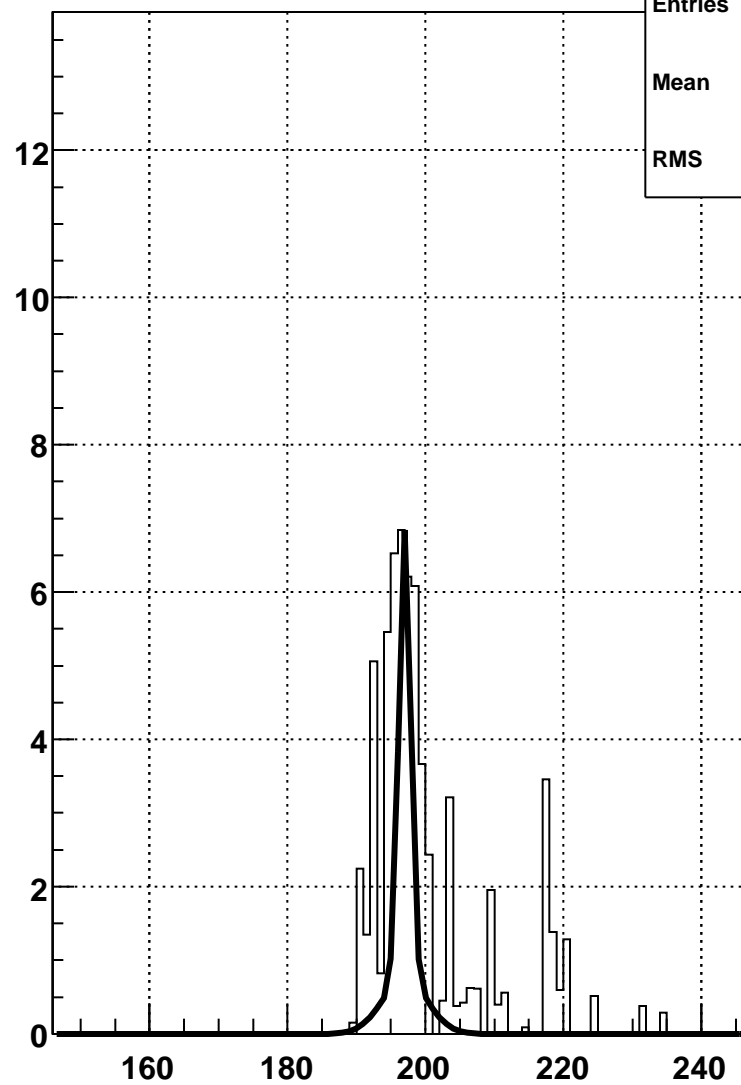
Entries	26
Mean	167.8
RMS	13.96



$p_T=5.3$  GeV,  $E=9.1$  GeV

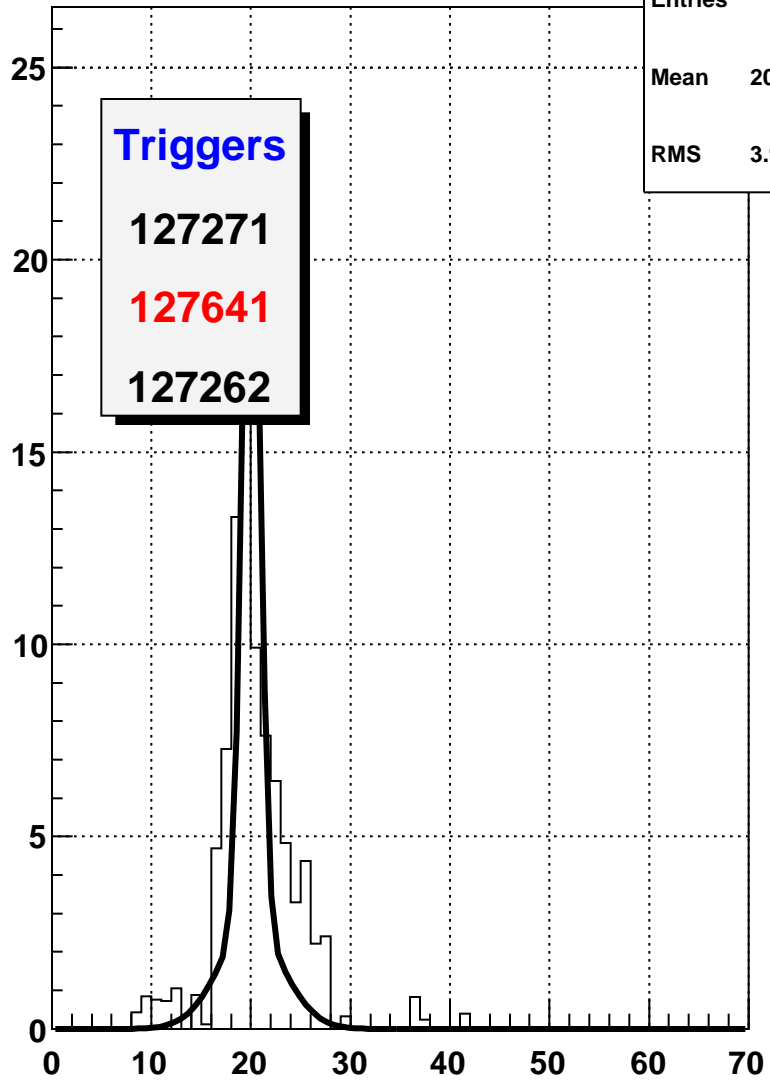
**hSmdv**

Entries	29
Mean	200.4
RMS	8.72



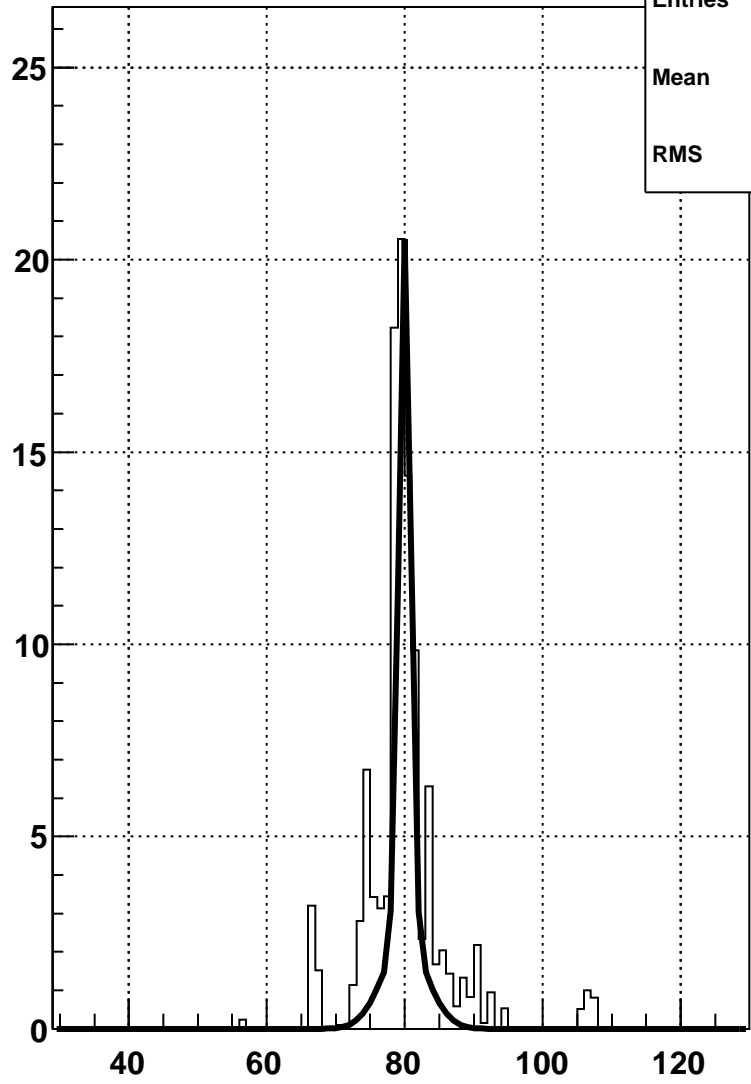
Run=7099047, Event=122178

hSmdu	
Entries	23
Mean	20.44
RMS	3.977



$p_T=5.3$  GeV,  $E=17.4$  GeV

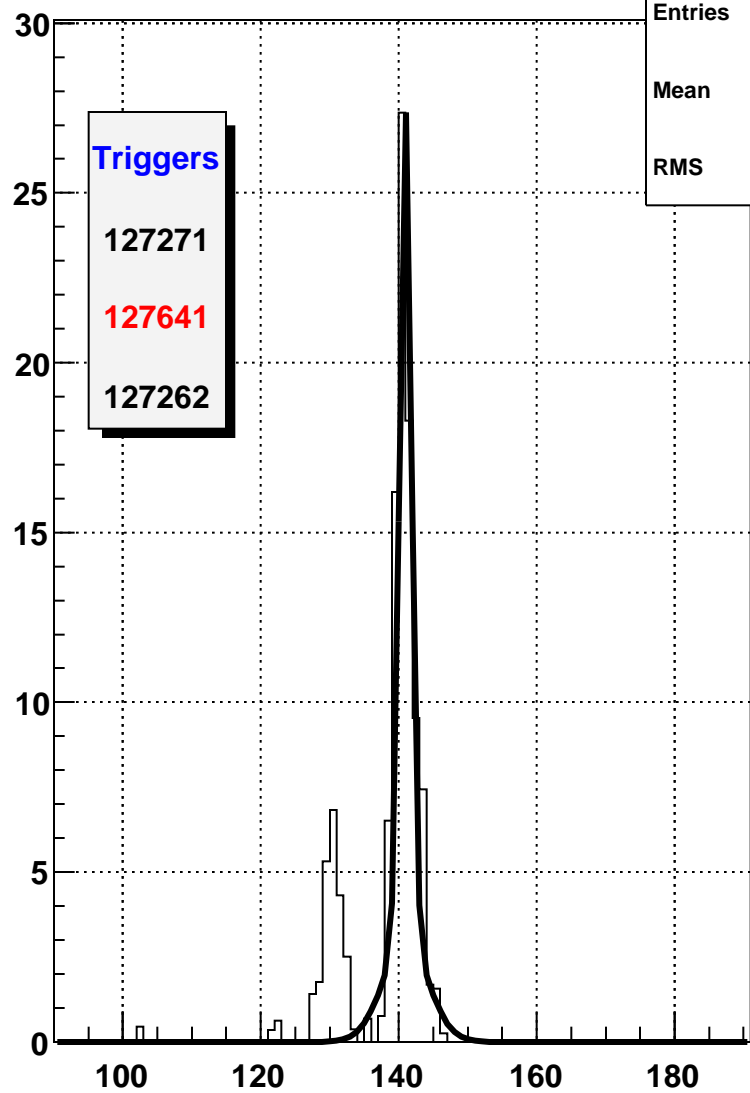
hSmdv	
Entries	29
Mean	80.02
RMS	6.119



Run=7099047, Event=123099

**hSmdu**

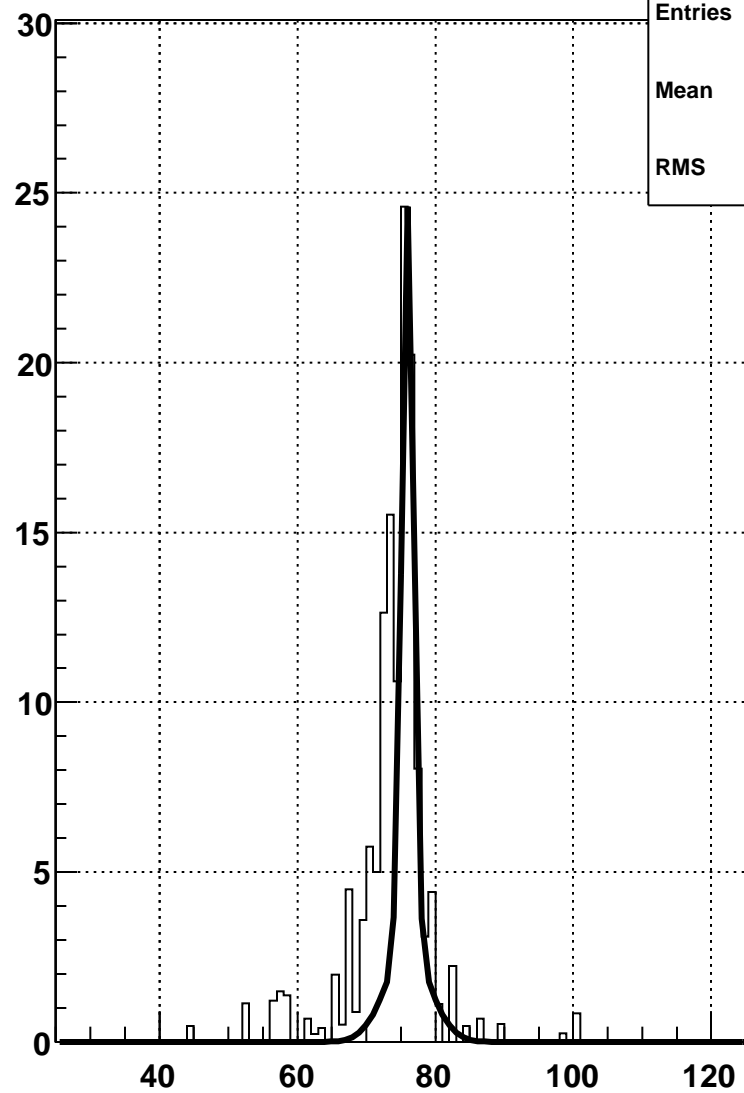
Entries	21
Mean	138.6
RMS	5.246



$p_T=7.8$  GeV,  $E=15.9$  GeV

**hSmdv**

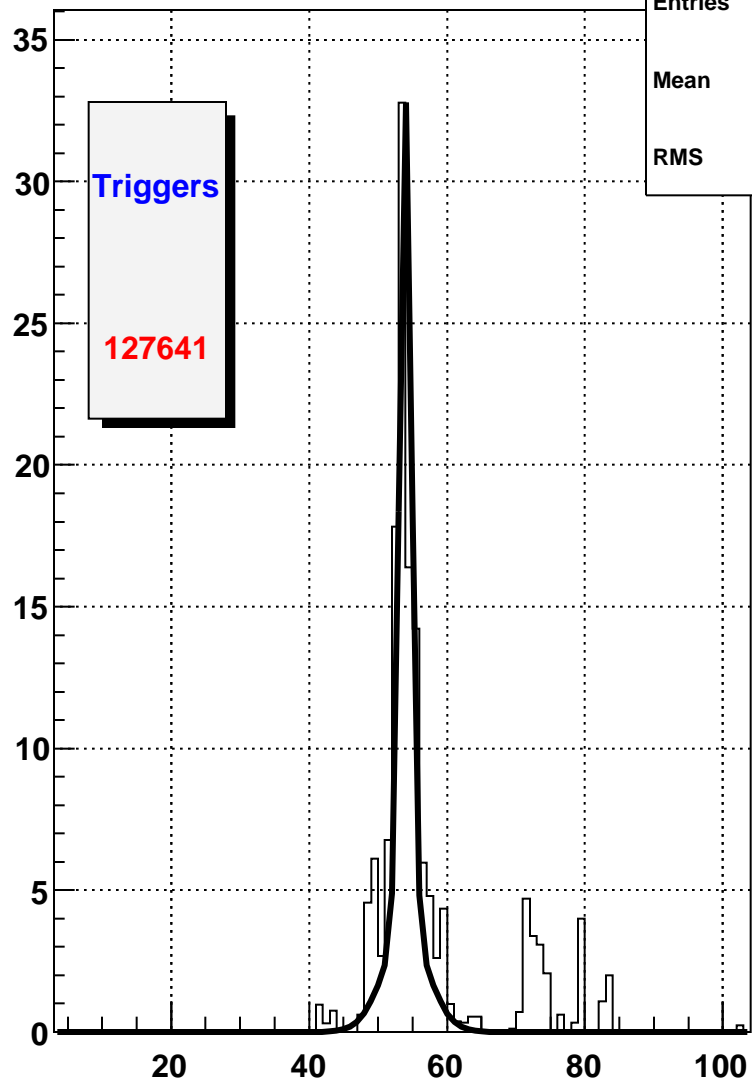
Entries	30
Mean	73.89
RMS	5.794



Run=7099047, Event=124070

**hSmdu**

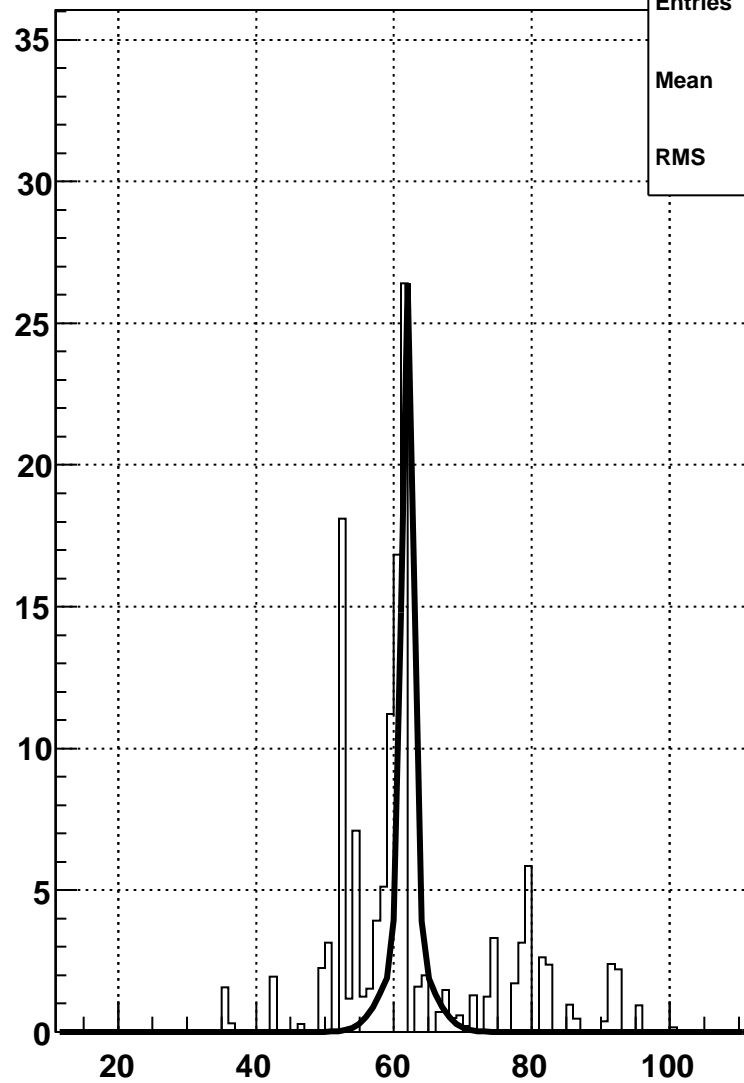
Entries	34
Mean	57.11
RMS	8.648



$p_T=5.8$  GeV,  $E=17.8$  GeV

**hSmdv**

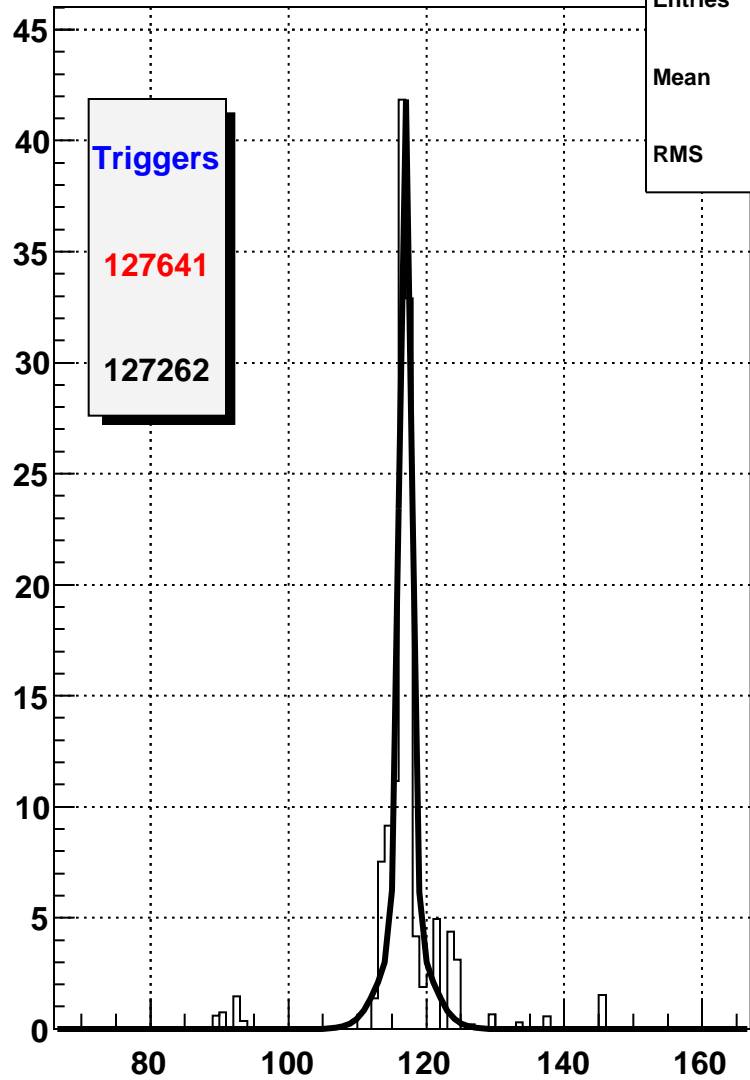
Entries	38
Mean	62.63
RMS	11.36



Run=7099047, Event=124081

**hSmdu**

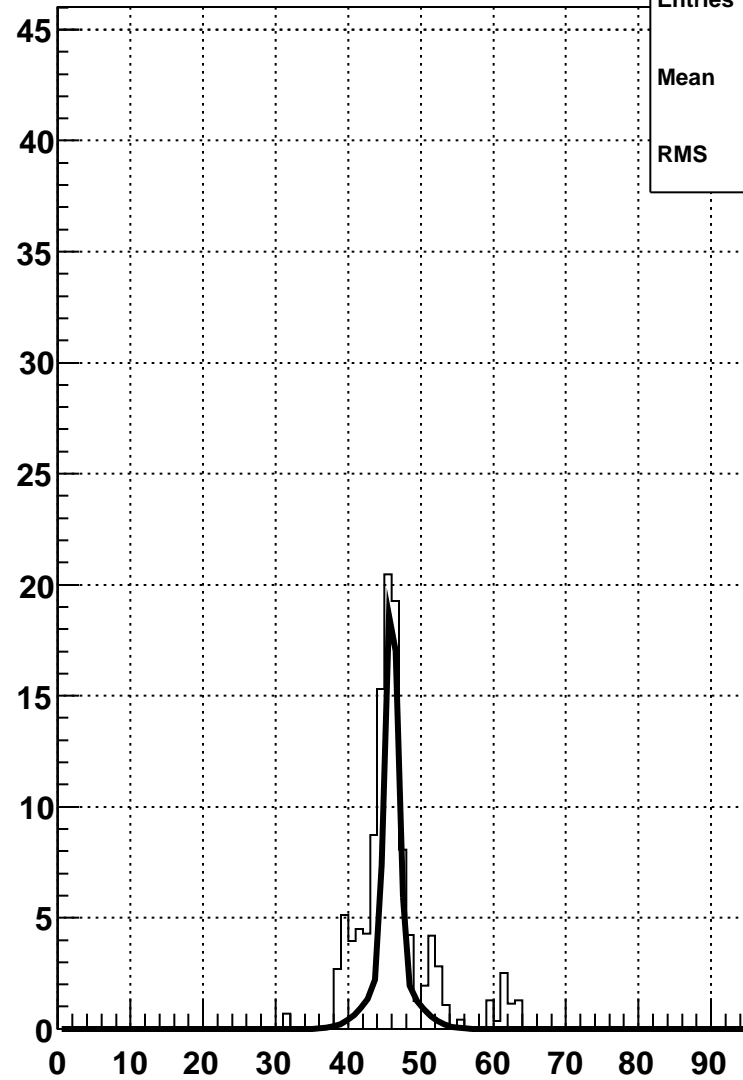
Entries	21
Mean	117.1
RMS	5.832



$p_T=5.0$  GeV,  $E=14.4$  GeV

**hSmdv**

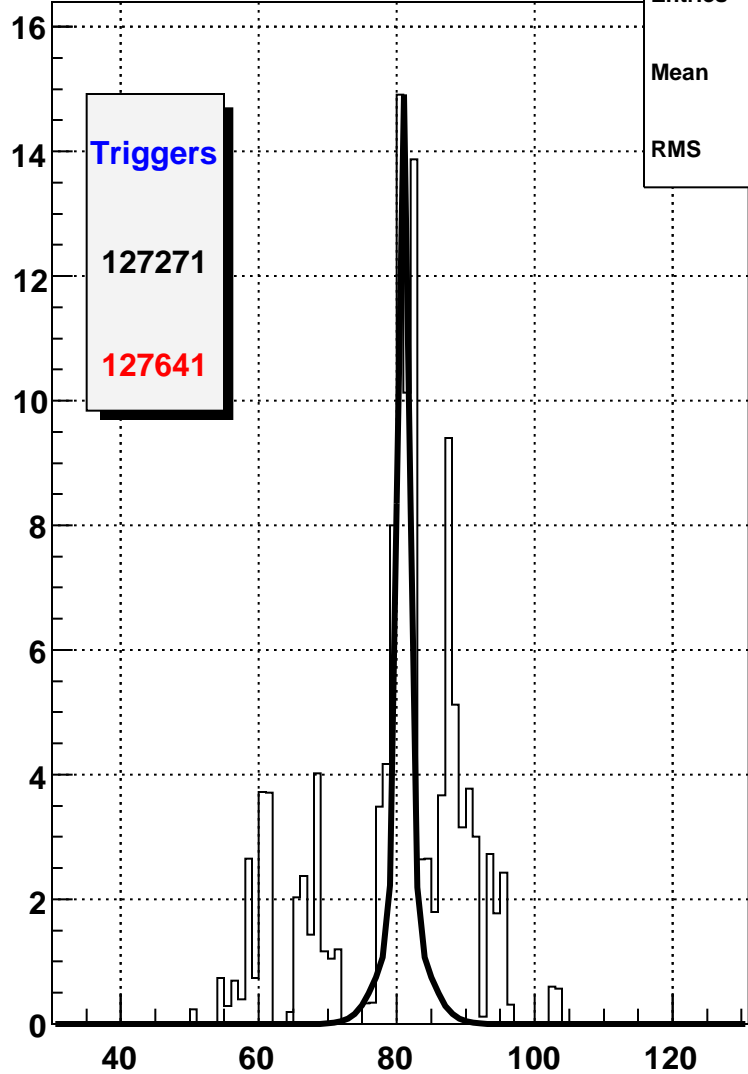
Entries	23
Mean	46.22
RMS	5.027



Run=7099047, Event=125928

**hSmdu**

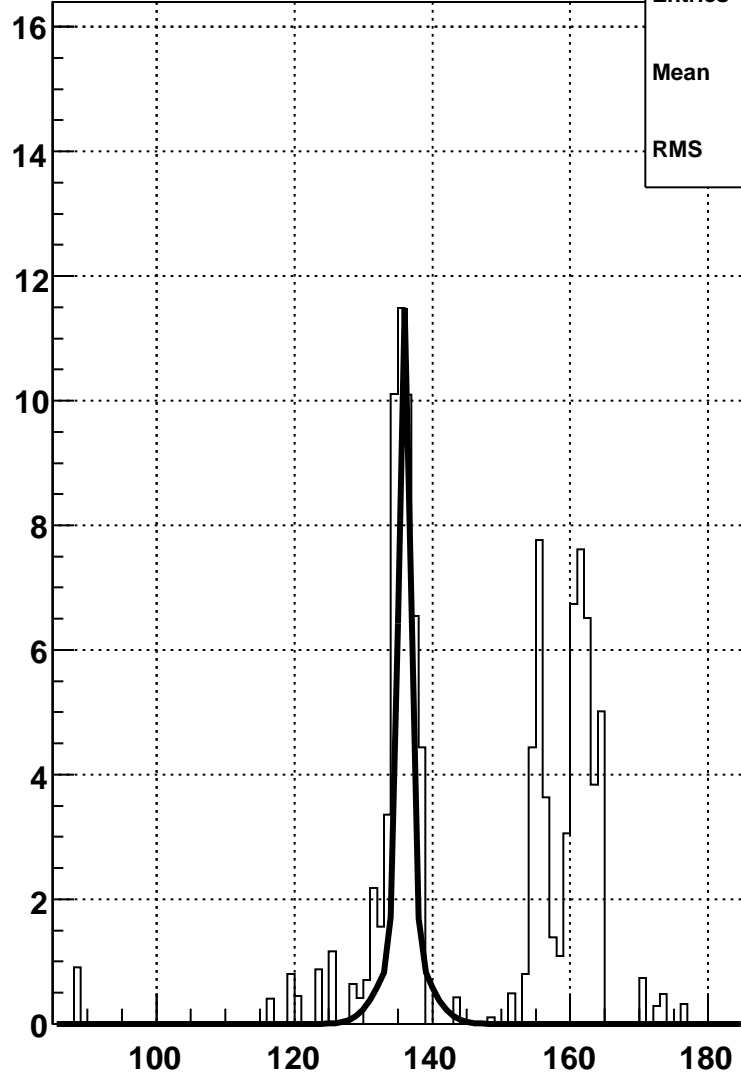
Entries	47
Mean	80.08
RMS	9.873



$p_T=6.1$  GeV,  $E=20.1$  GeV

**hSmdv**

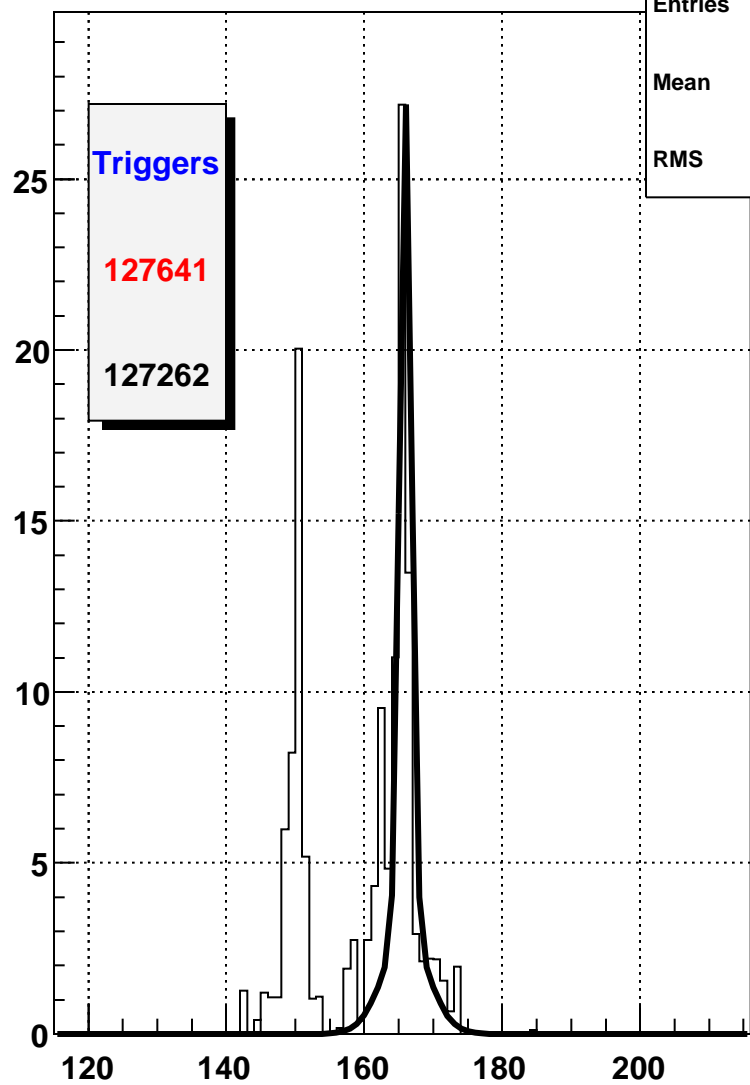
Entries	46
Mean	146.7
RMS	14.3



Run=7099047, Event=126500

**hSmdu**

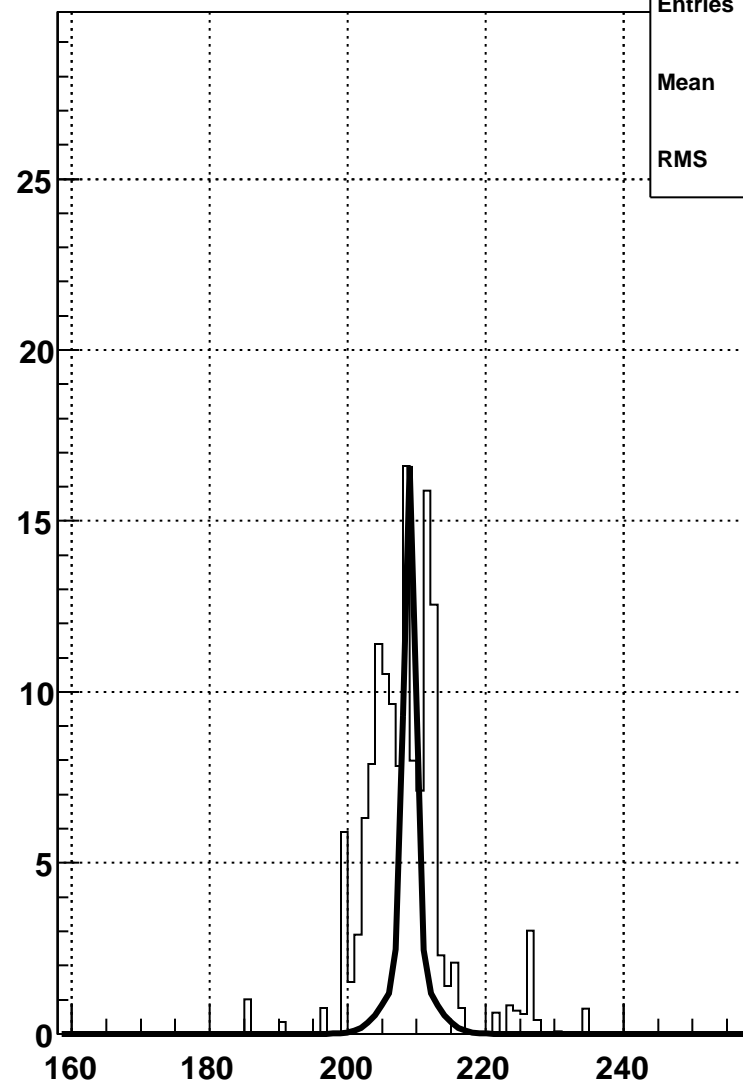
Entries	30
Mean	159.9
RMS	7.753



$p_T=5.9$  GeV,  $E=10.5$  GeV

**hSmdv**

Entries	29
Mean	208.3
RMS	6.071

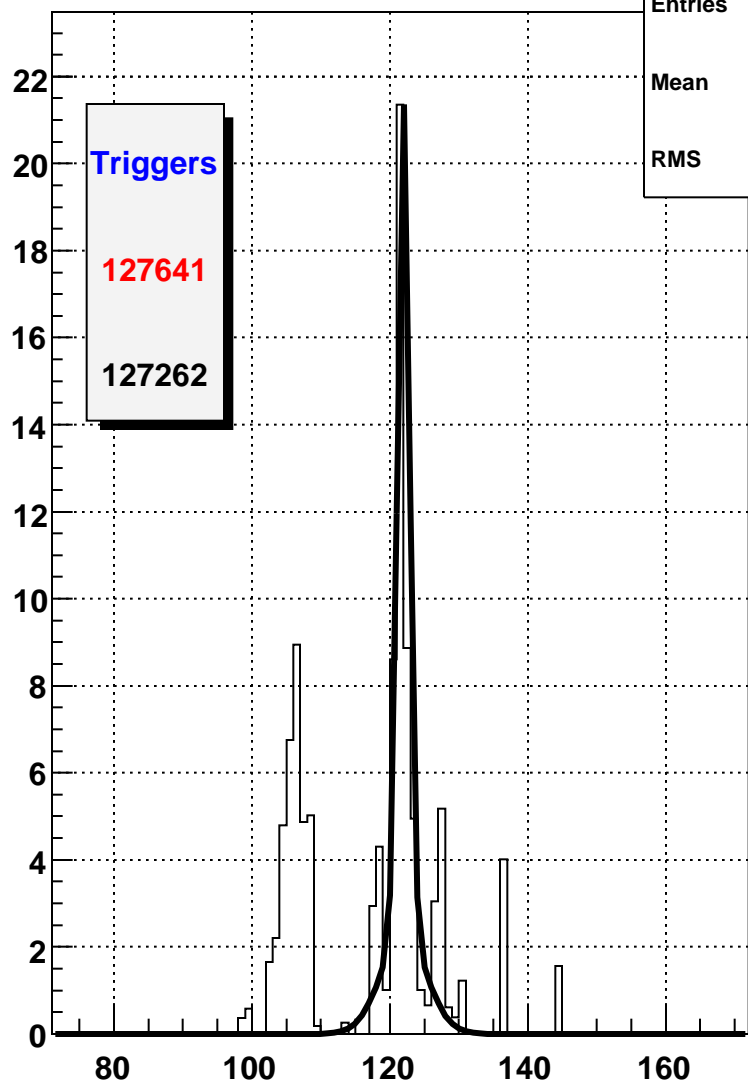




Run=7099047, Event=51835

**hSmdu**

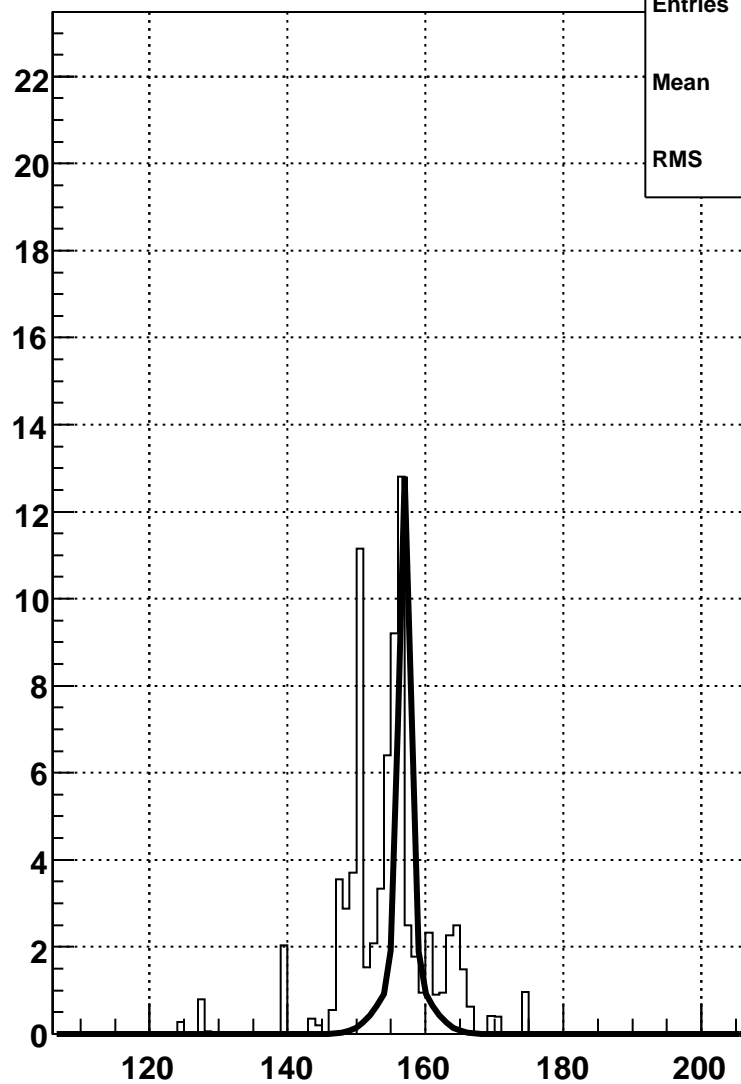
Entries	27
Mean	117.7
RMS	9.496



$p_T=5.1$  GeV,  $E=13.0$  GeV

**hSmdv**

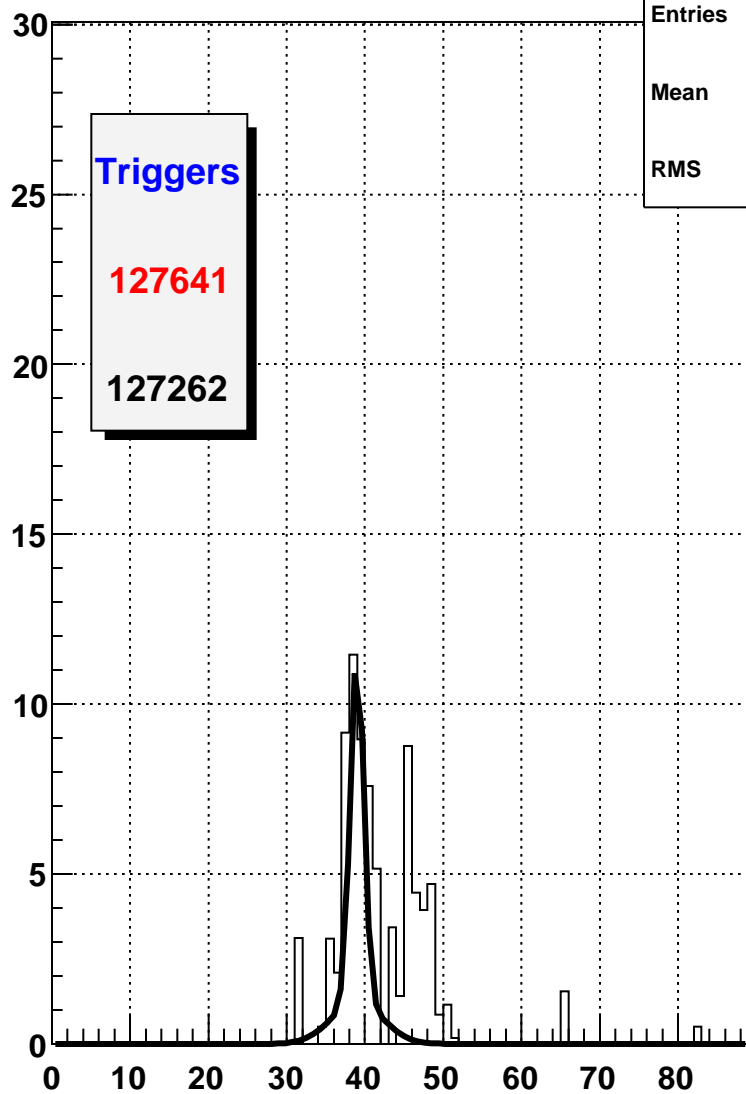
Entries	30
Mean	154.4
RMS	6.744



Run=7099047, Event=115804

**hSmdu**

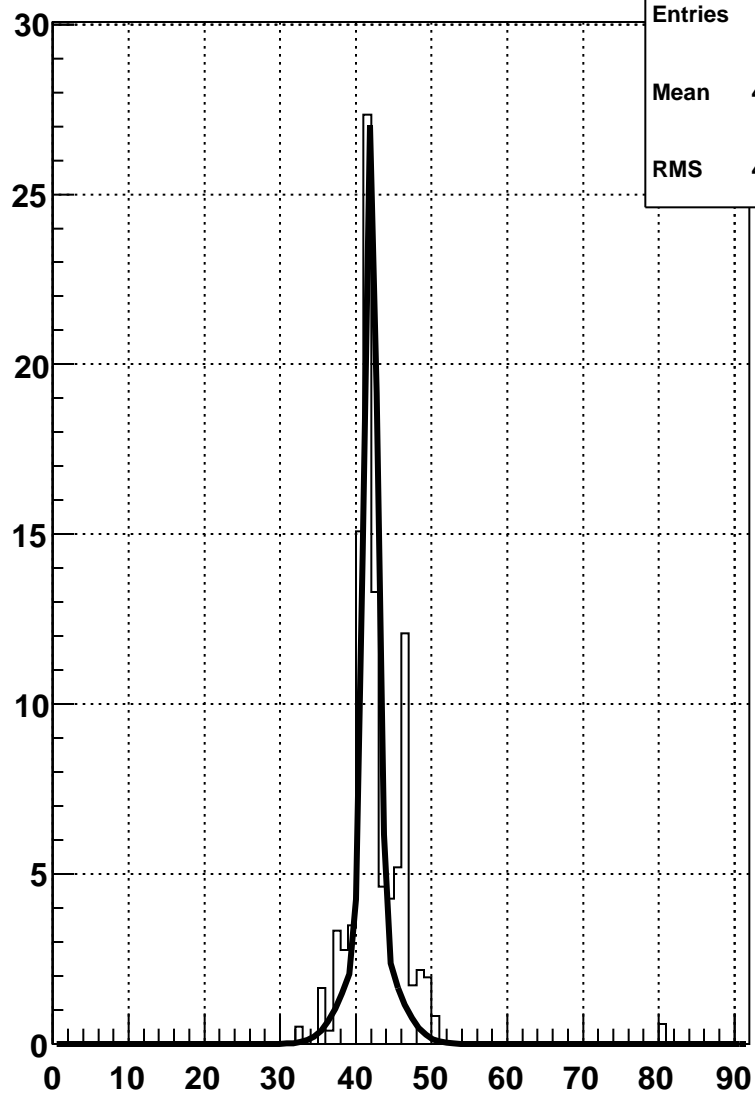
Entries	20
Mean	42.01
RMS	6.366



$p_T=5.7$  GeV,  $E=21.8$  GeV

**hSmdv**

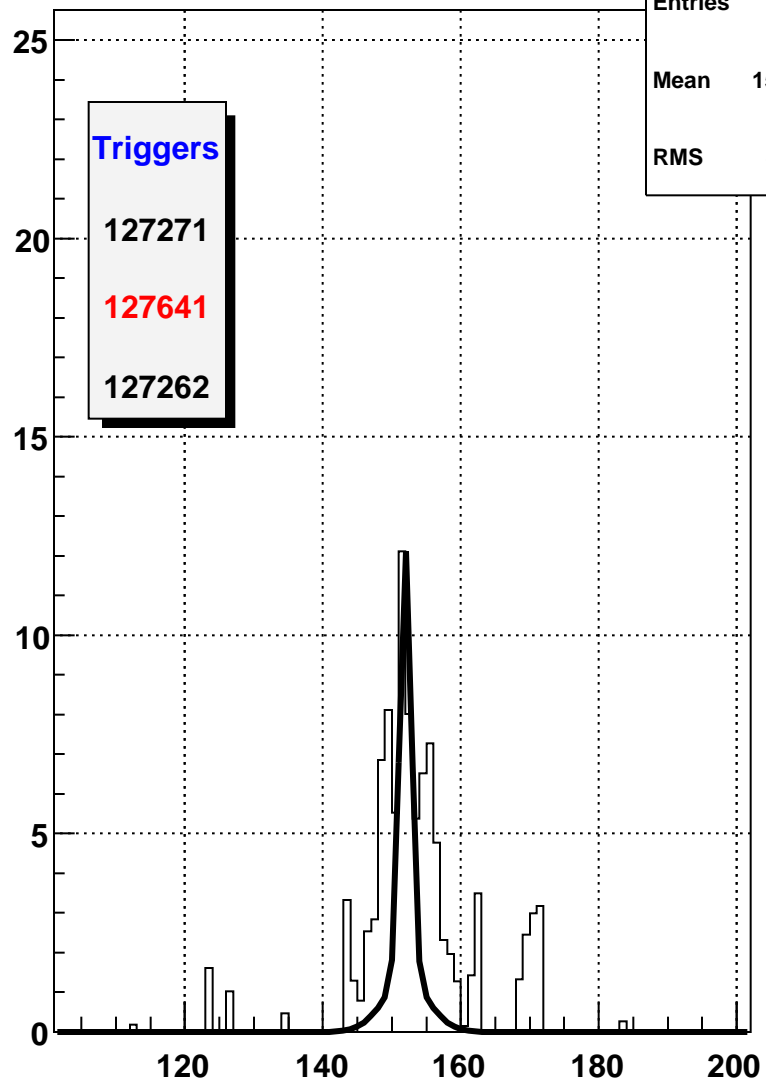
Entries	18
Mean	42.76
RMS	4.162



Run=7099047, Event=116271

**hSmdu**

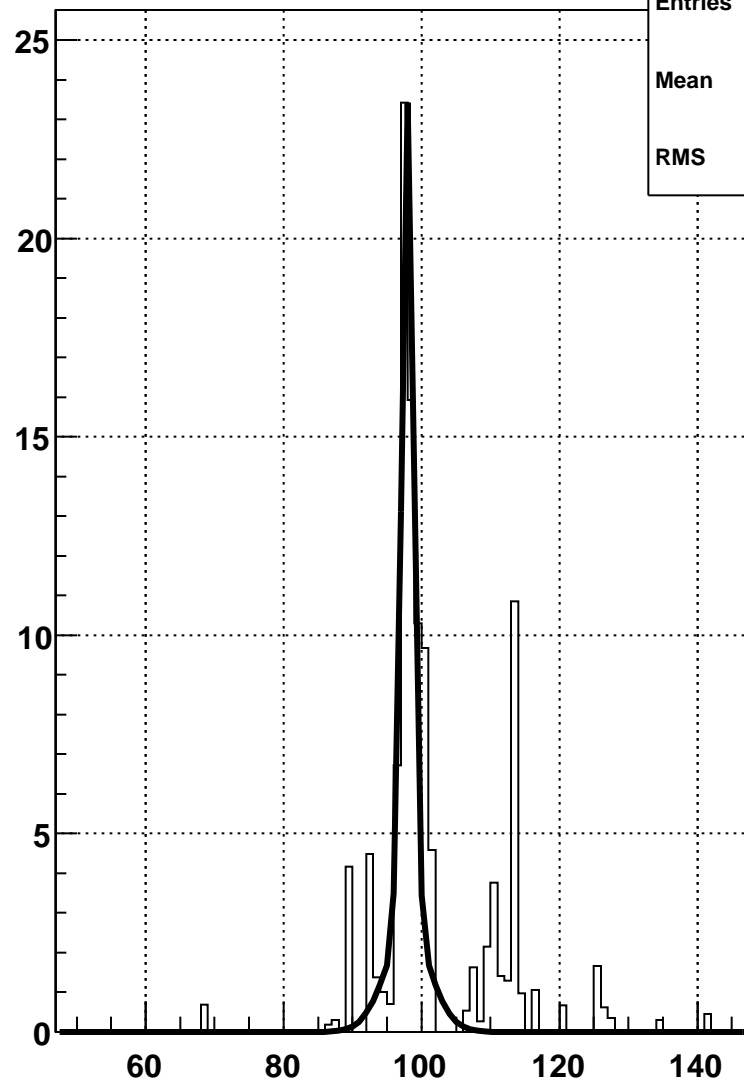
Entries	29
Mean	153.4
RMS	8.64



$p_T=6.7$  GeV,  $E=13.9$  GeV

**hSmdv**

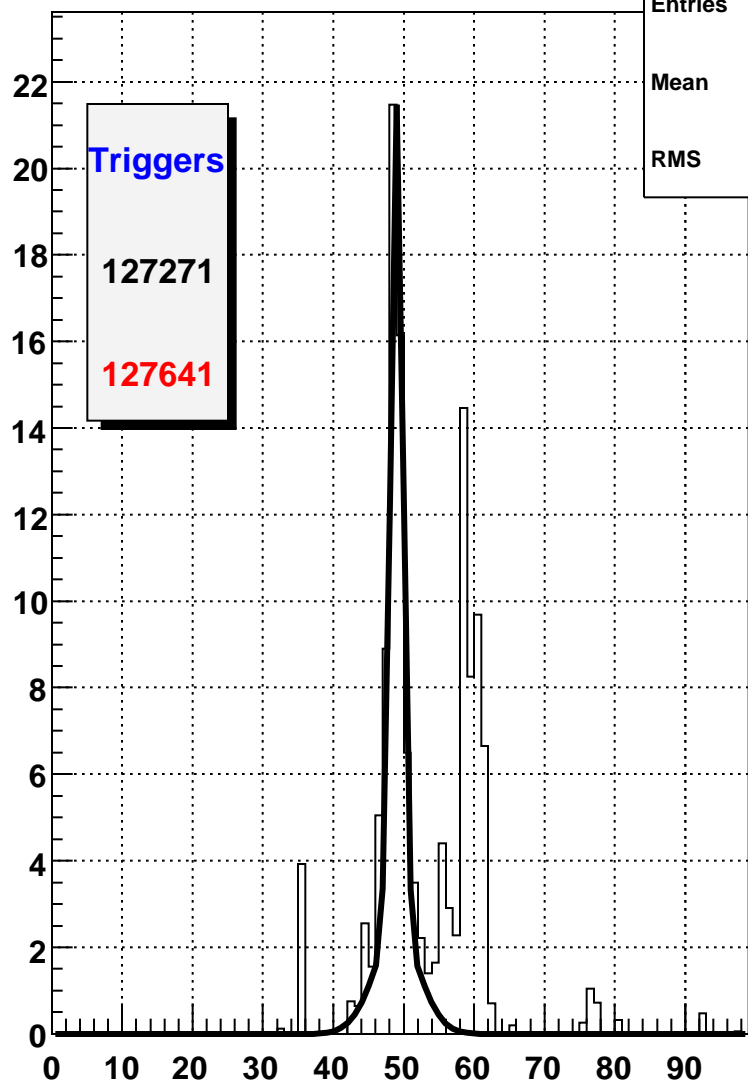
Entries	30
Mean	101.6
RMS	8.665



Run=7099047, Event=116560

**hSmdu**

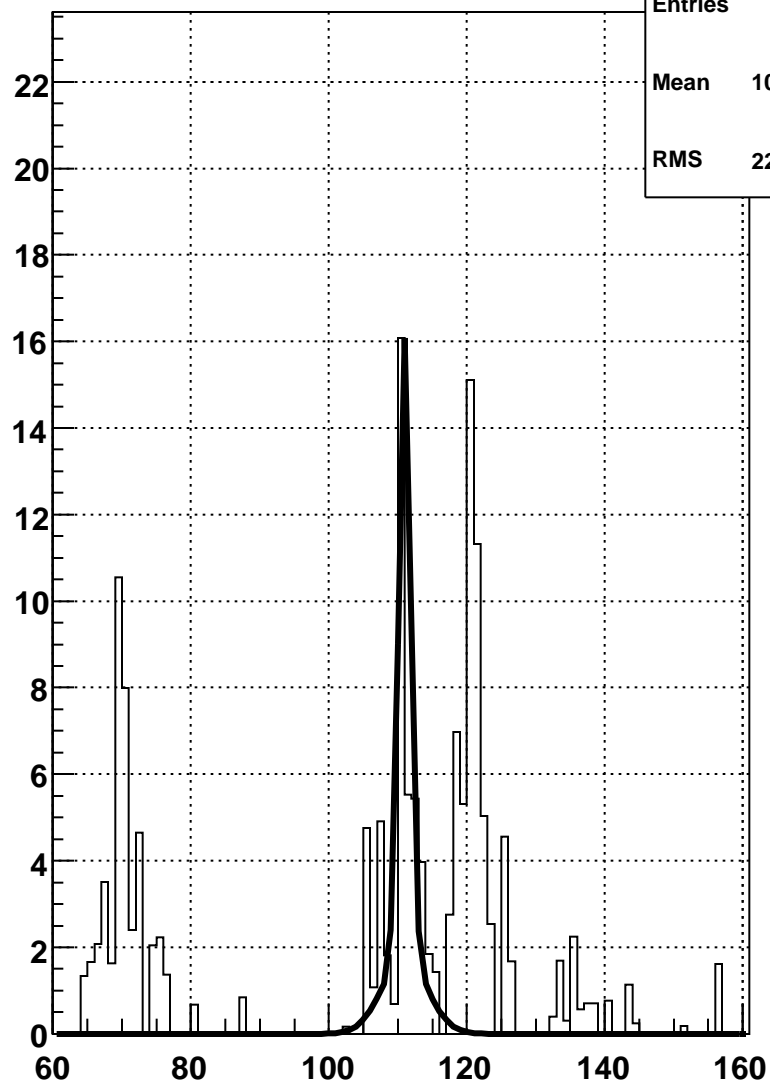
Entries	61
Mean	53.07
RMS	7.431



$p_T=8.0$  GeV,  $E=19.7$  GeV

**hSmdv**

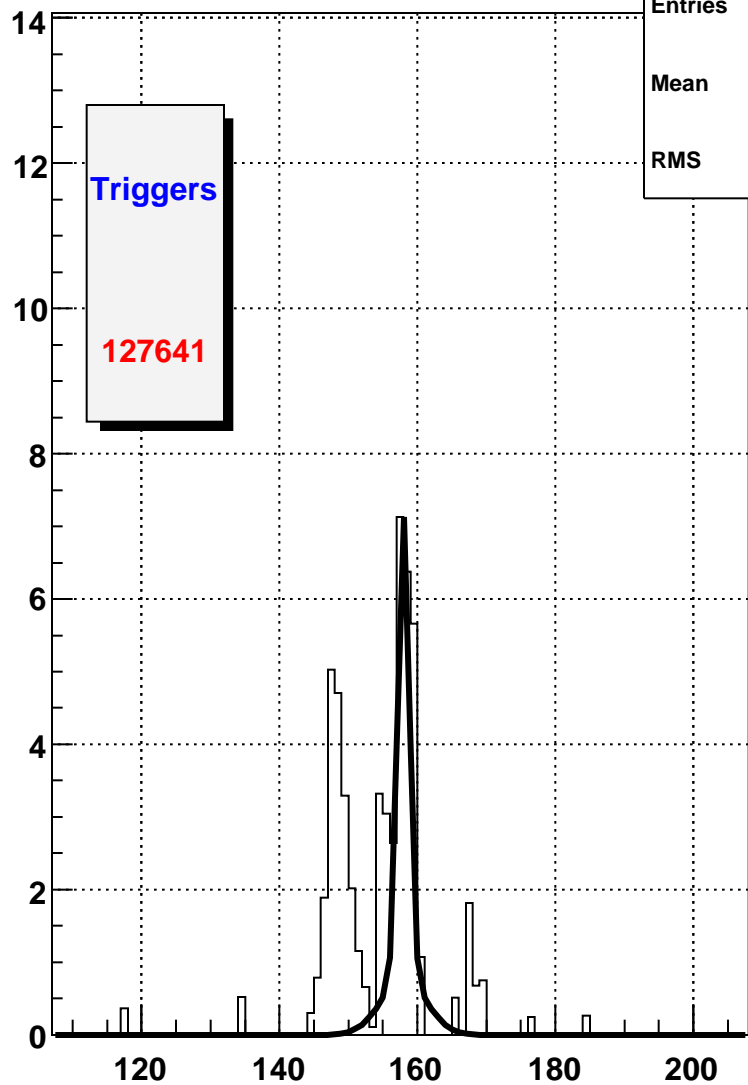
Entries	50
Mean	105.3
RMS	22.77



Run=7099047, Event=116673

**hSmdu**

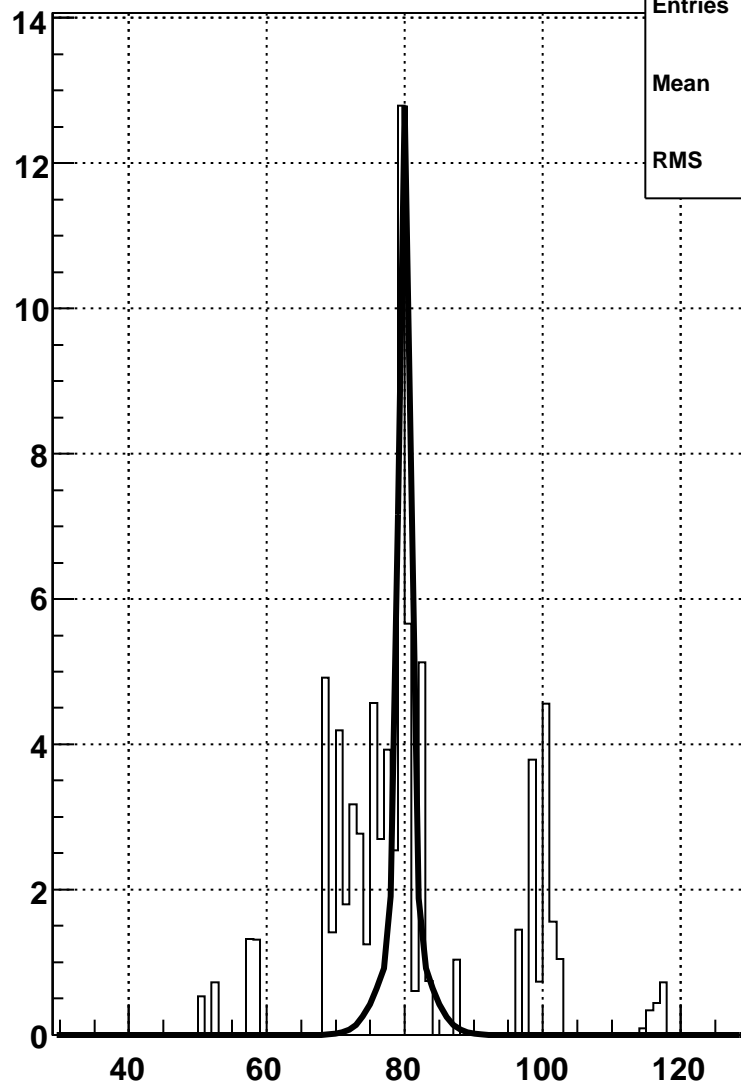
Entries	25
Mean	154.7
RMS	7.238



$p_T=5.9$  GeV,  $E=10.4$  GeV

**hSmdv**

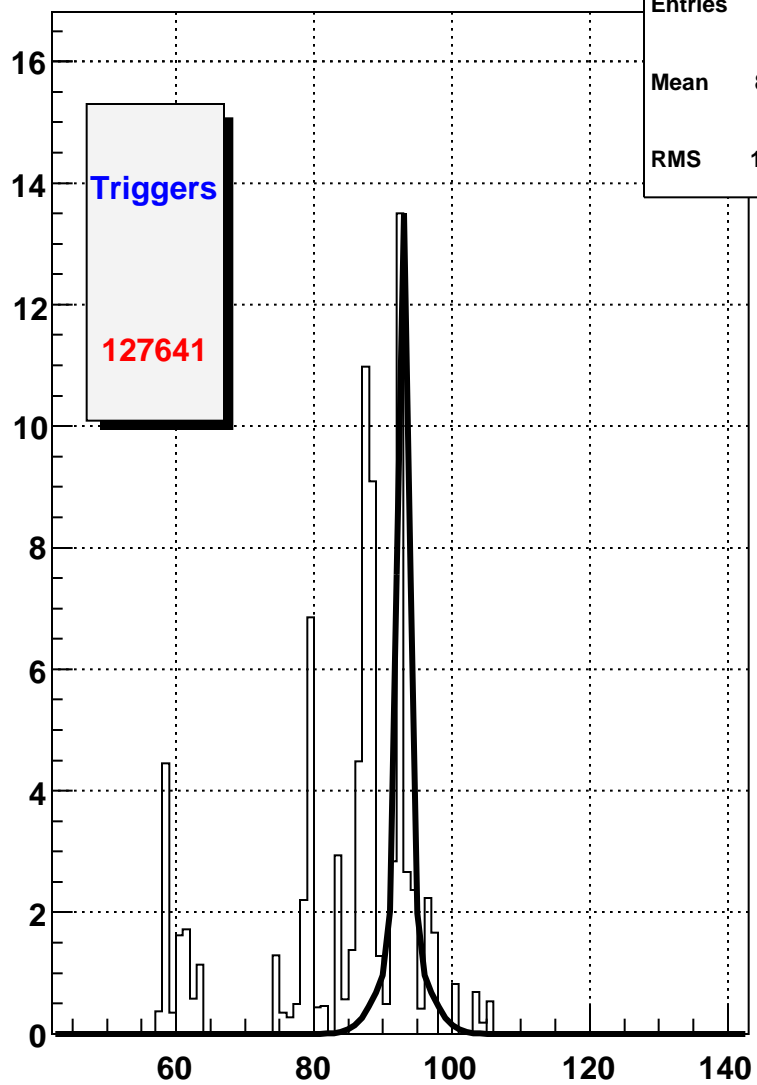
Entries	31
Mean	80.32
RMS	12.12



Run=7099047, Event=117344

**hSmdu**

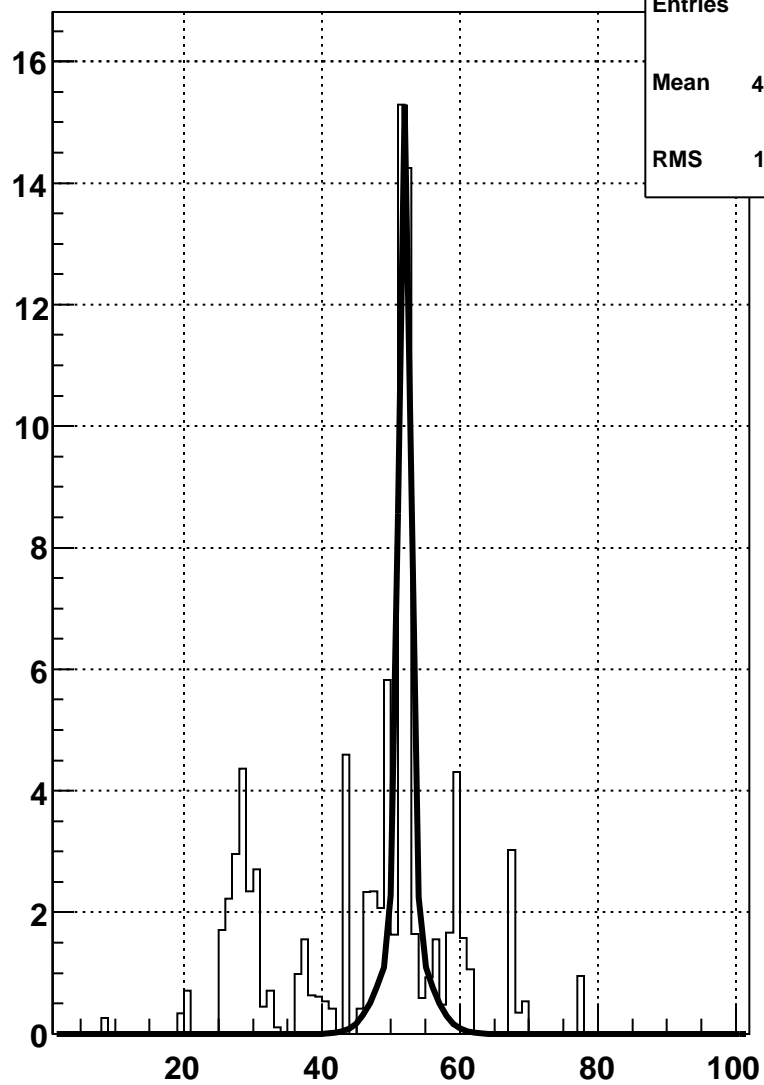
Entries	34
Mean	84.91
RMS	10.93



$p_T=5.2$  GeV,  $E=19.6$  GeV

**hSmdv**

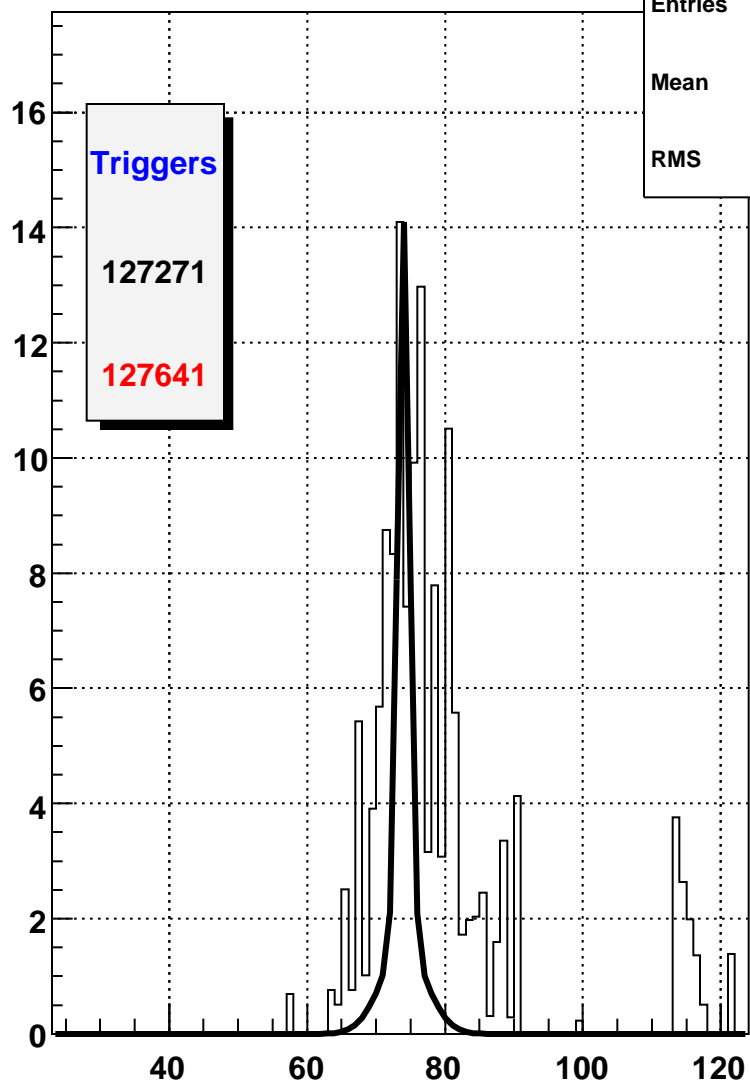
Entries	40
Mean	47.14
RMS	11.85



Run=7099047, Event=117879

**hSmdu**

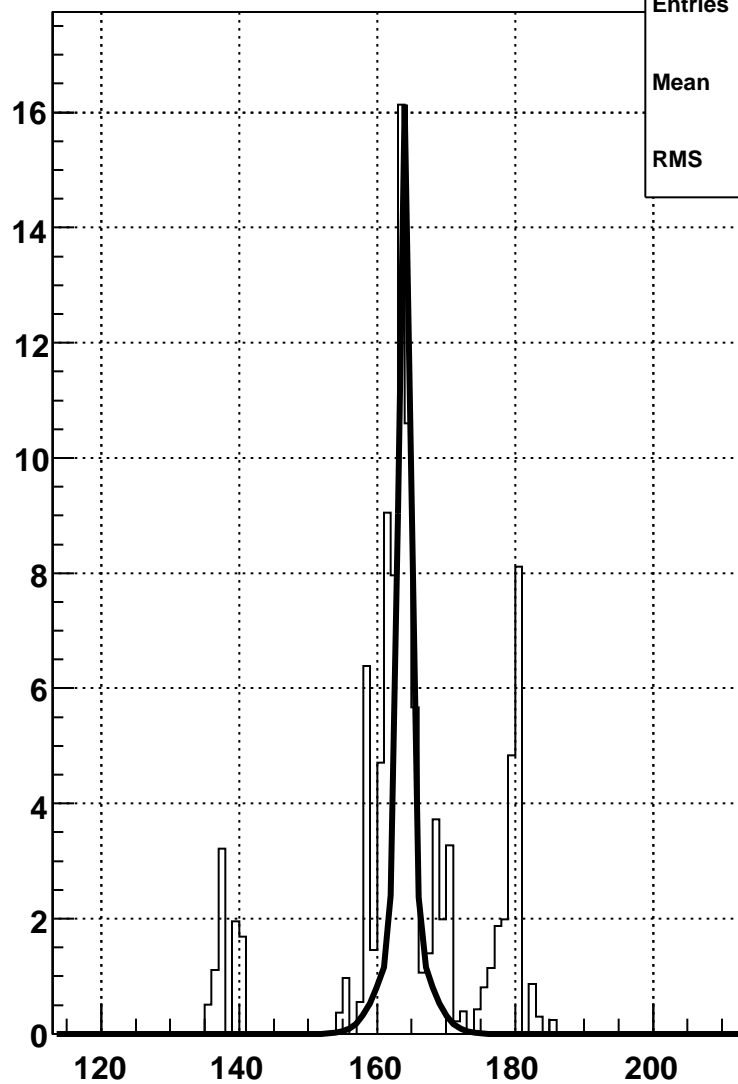
Entries	49
Mean	79.41
RMS	12.25



$p_T=6.8$  GeV,  $E=16.3$  GeV

**hSmdv**

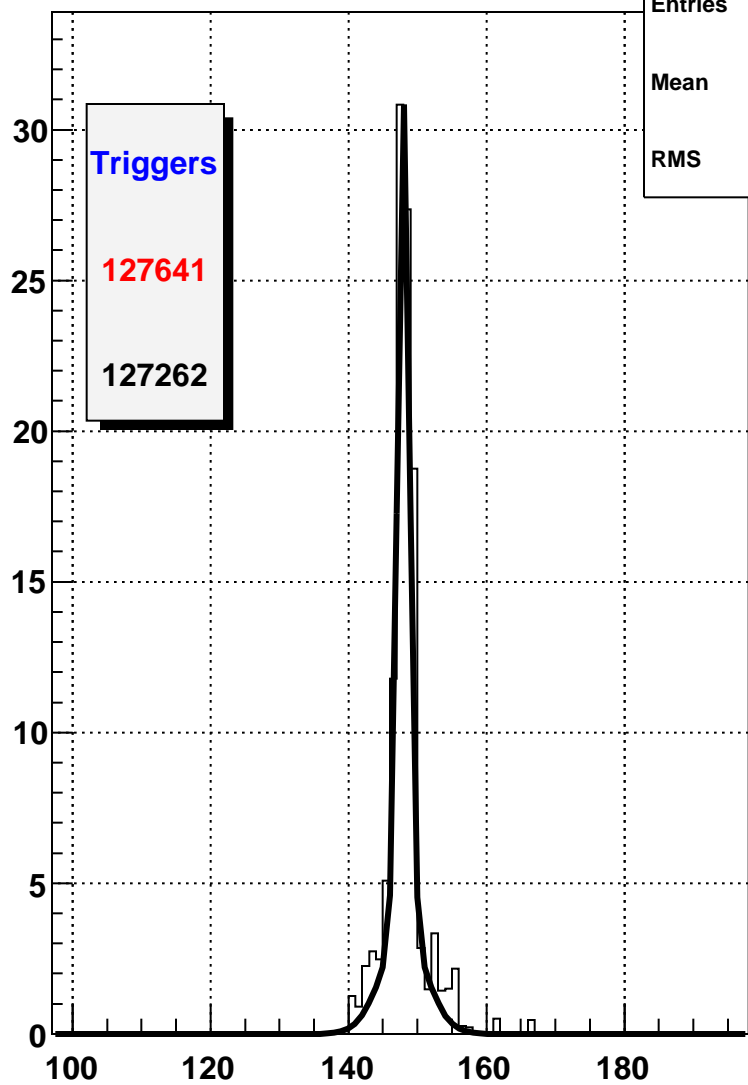
Entries	43
Mean	164.6
RMS	10.42



Run=7099047, Event=118087

**hSmdu**

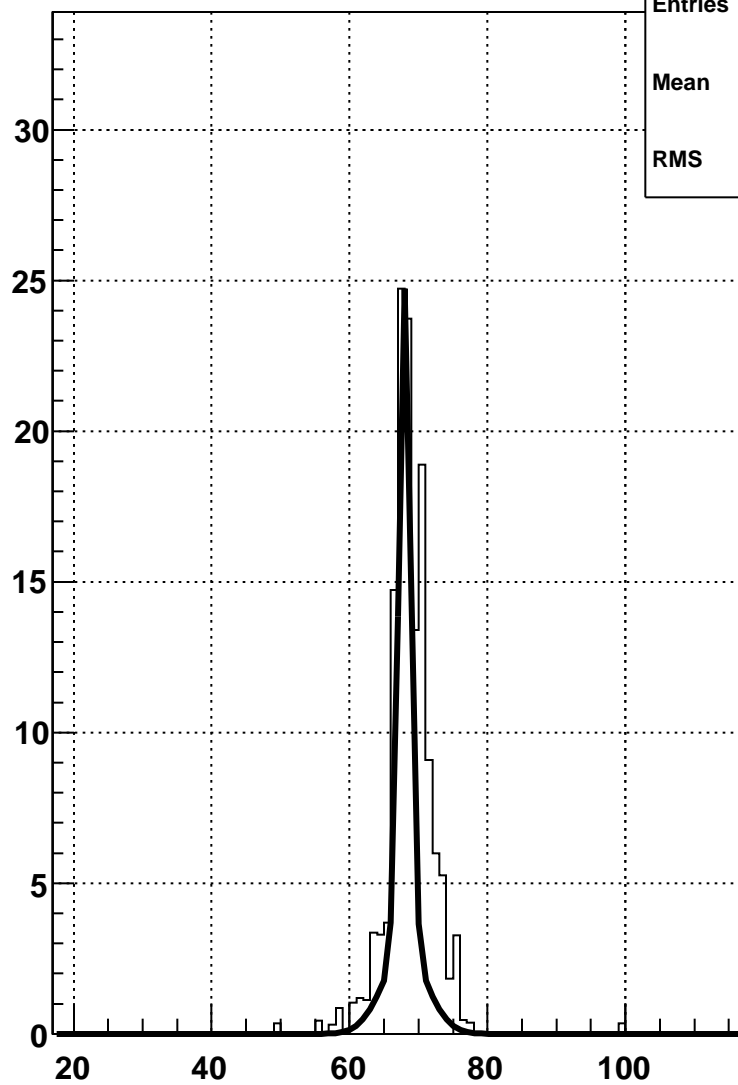
Entries	21
Mean	148.3
RMS	2.98



$p_T=6.4$  GeV,  $E=12.6$  GeV

**hSmdv**

Entries	23
Mean	68.78
RMS	3.572

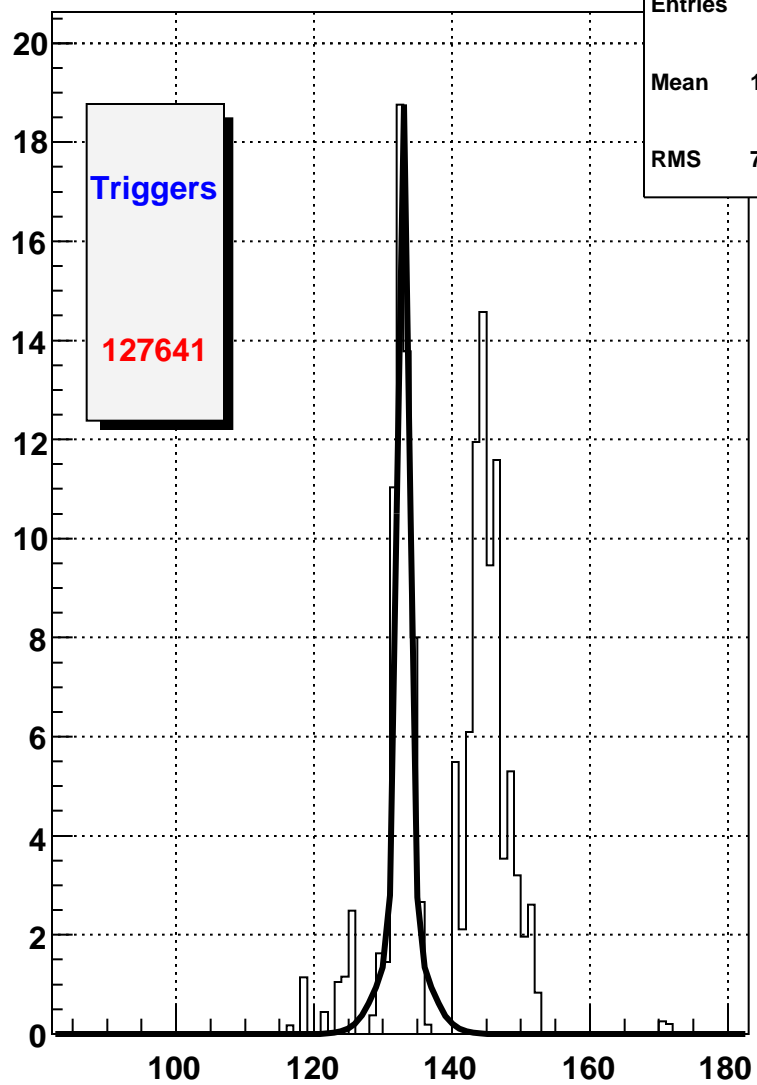




Run=7099047, Event=118322

**hSmdu**

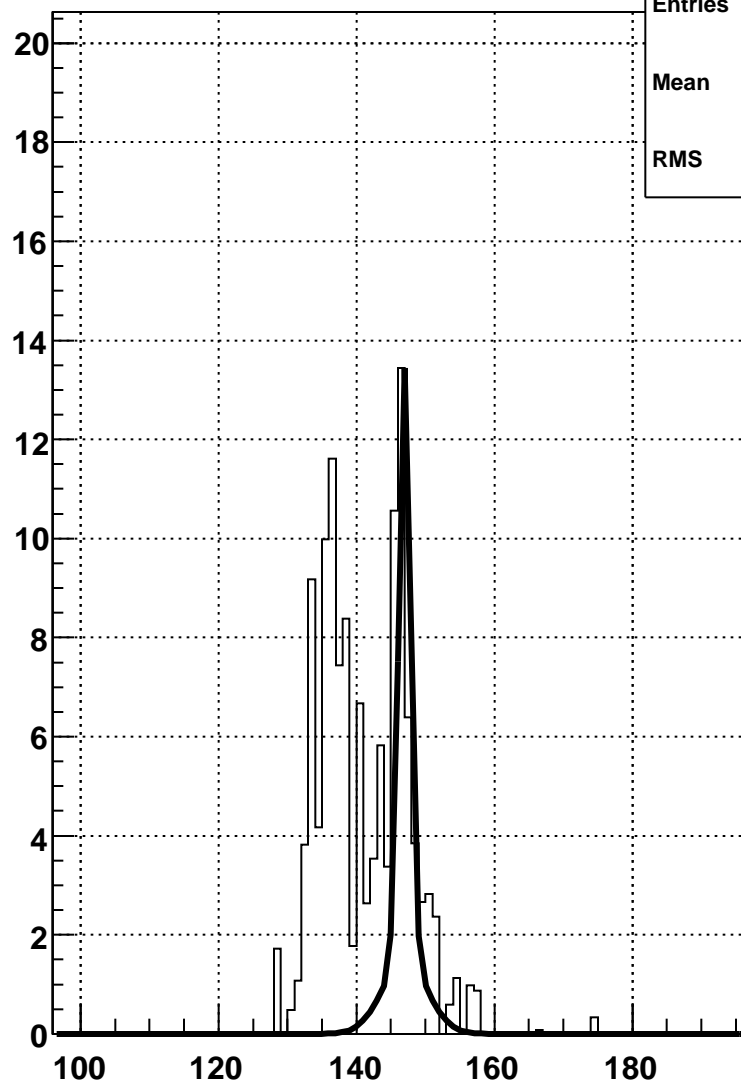
Entries 30  
Mean 139.4  
RMS 7.537



$p_T=5.7$  GeV,  $E=13.2$  GeV

**hSmdv**

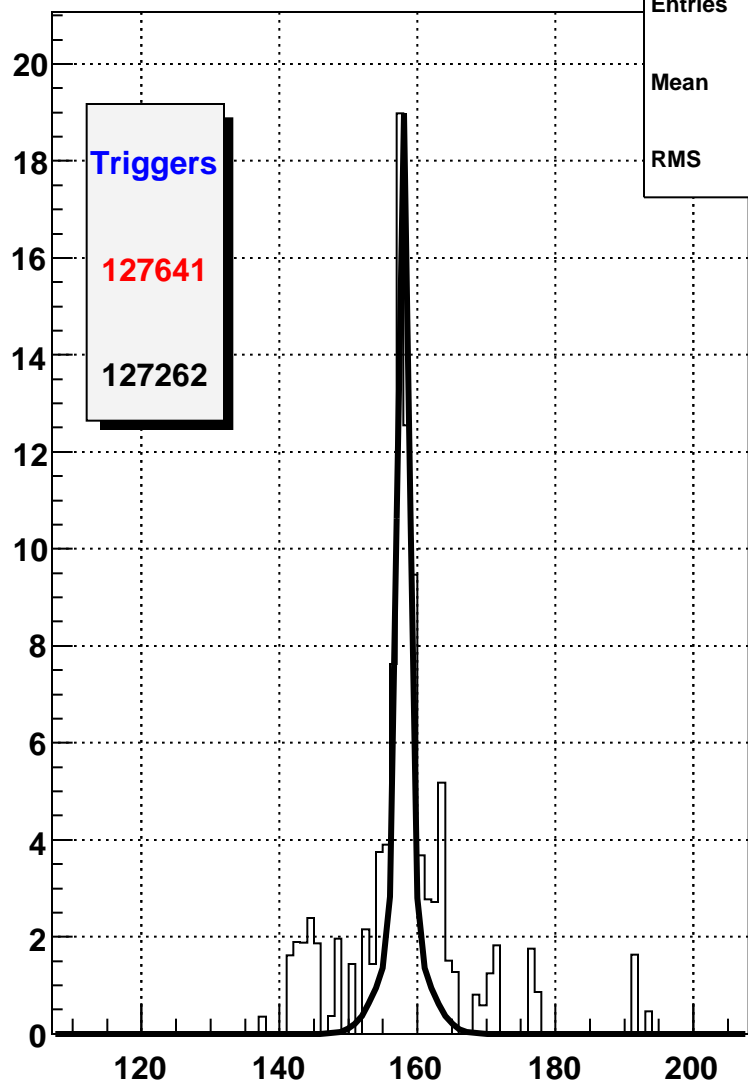
Entries 29  
Mean 141.3  
RMS 6.348



Run=7099047, Event=118491

**hSmdu**

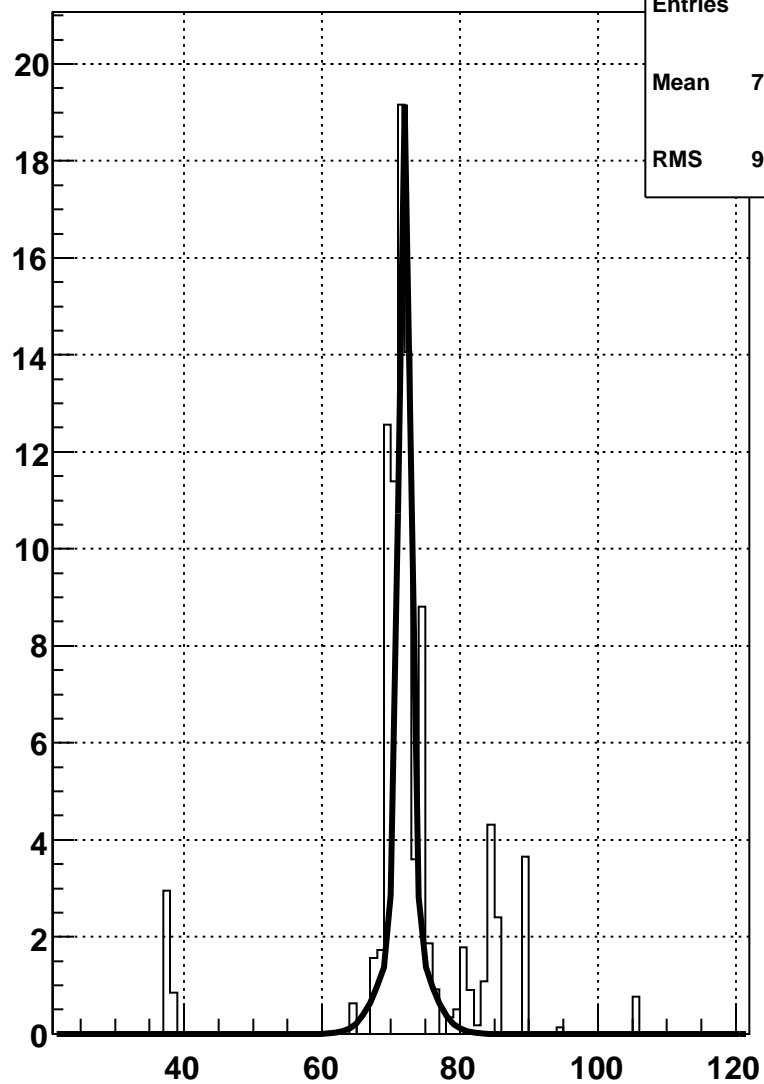
Entries	31
Mean	158.3
RMS	8.43



$p_T=5.0$  GeV,  $E=11.0$  GeV

**hSmdv**

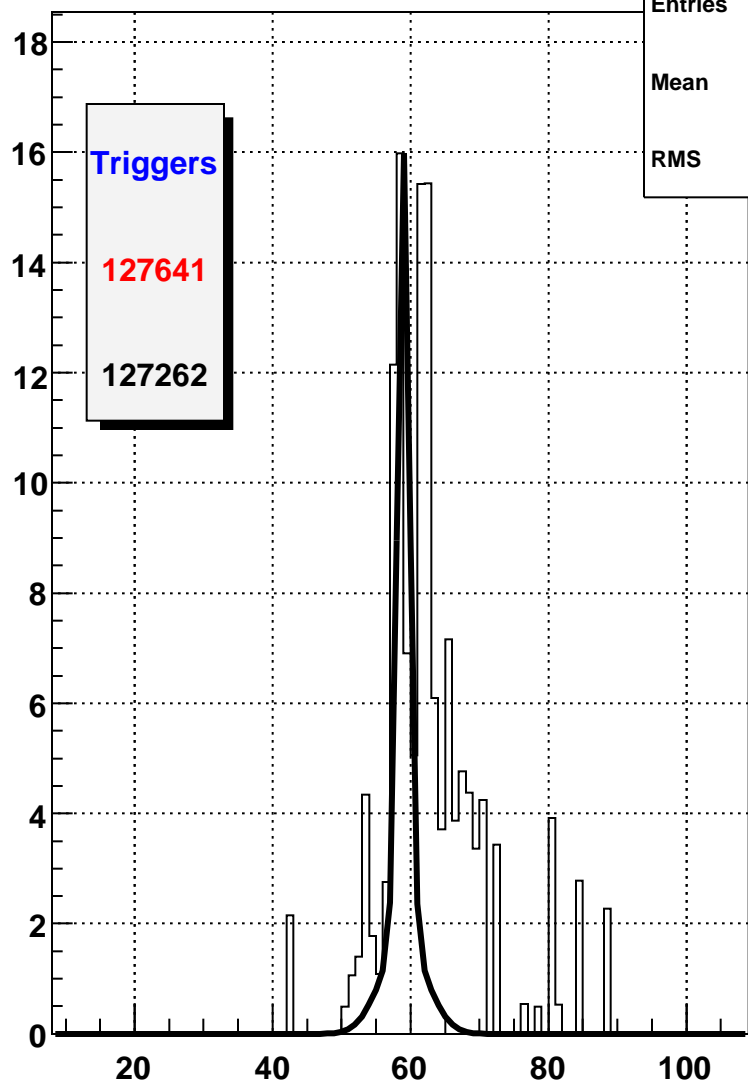
Entries	24
Mean	72.65
RMS	9.292



Run=7099047, Event=118627

**hSmdu**

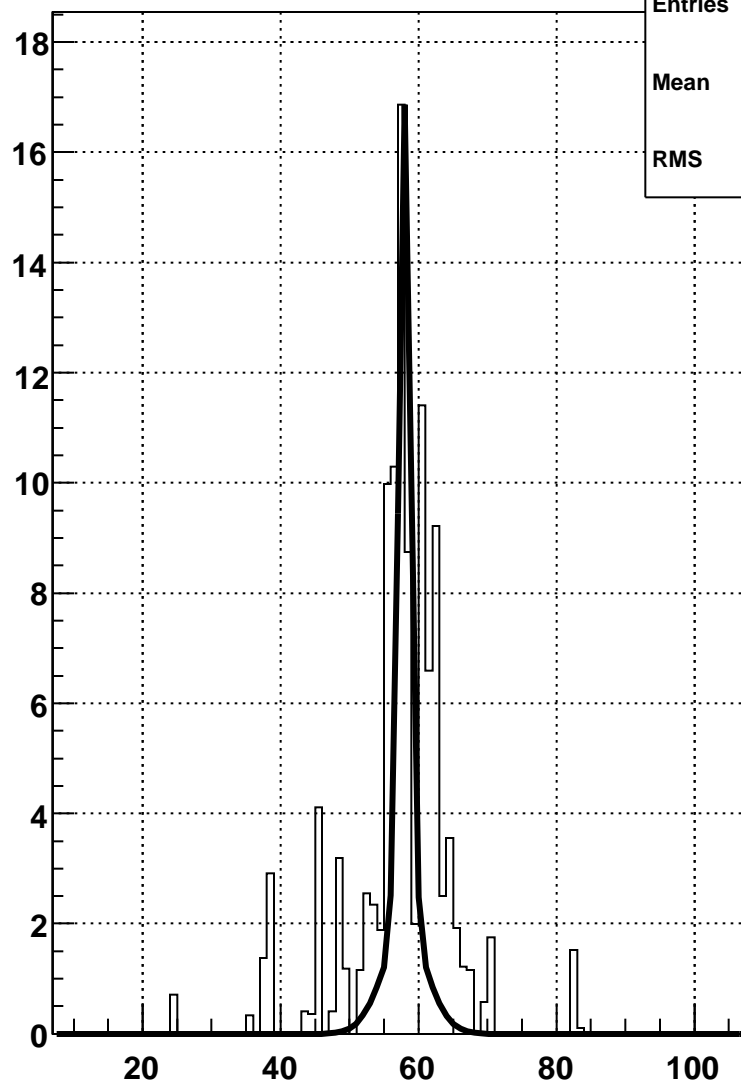
Entries	29
Mean	63.13
RMS	7.72



$p_T=6.8$  GeV,  $E=21.1$  GeV

**hSmdv**

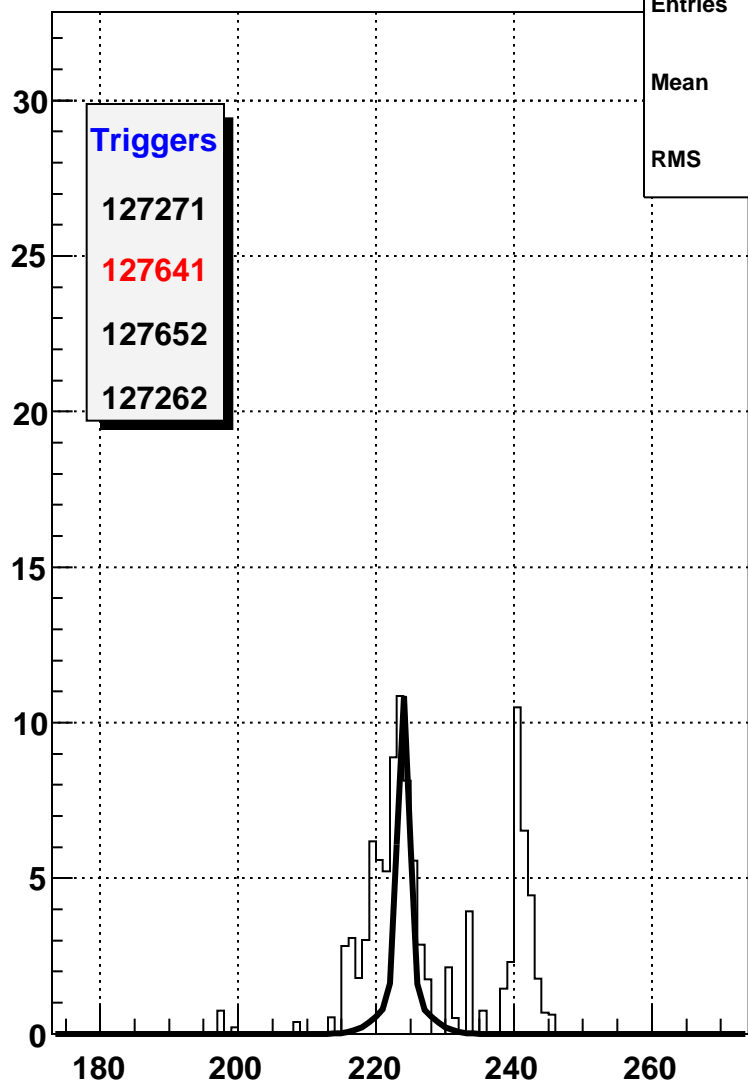
Entries	31
Mean	57.39
RMS	7.496



Run=7099046, Event=67820

**hSmdu**

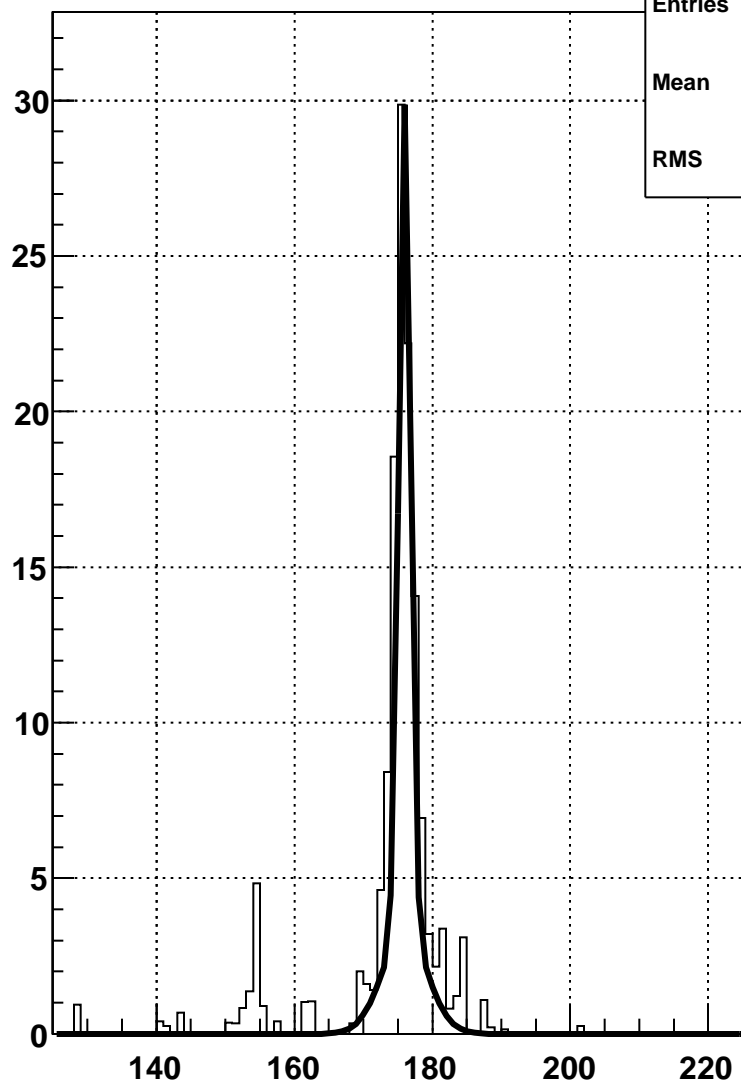
Entries	32
Mean	227.7
RMS	9.49



$p_T=9.0$  GeV,  $E=16.7$  GeV

**hSmdv**

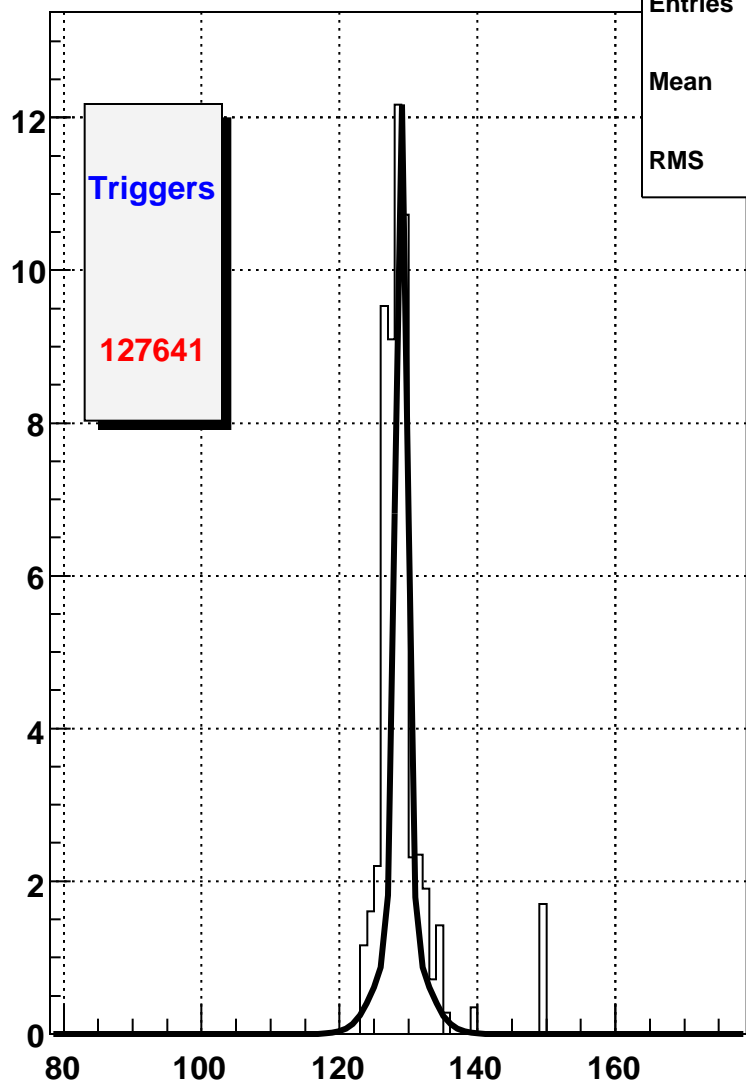
Entries	34
Mean	174
RMS	8.133



Run=7099046, Event=67826

**hSmdu**

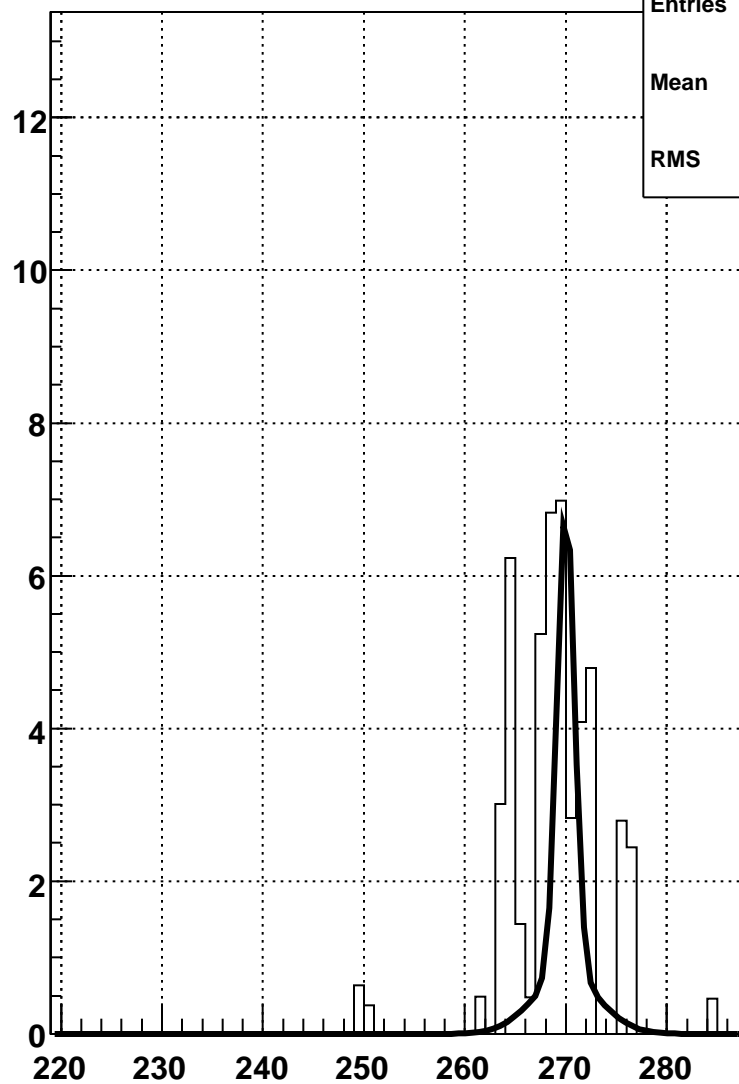
Entries 34  
Mean 129.1  
RMS 4.261



$p_T=5.1$  GeV,  $E=8.3$  GeV

**hSmdv**

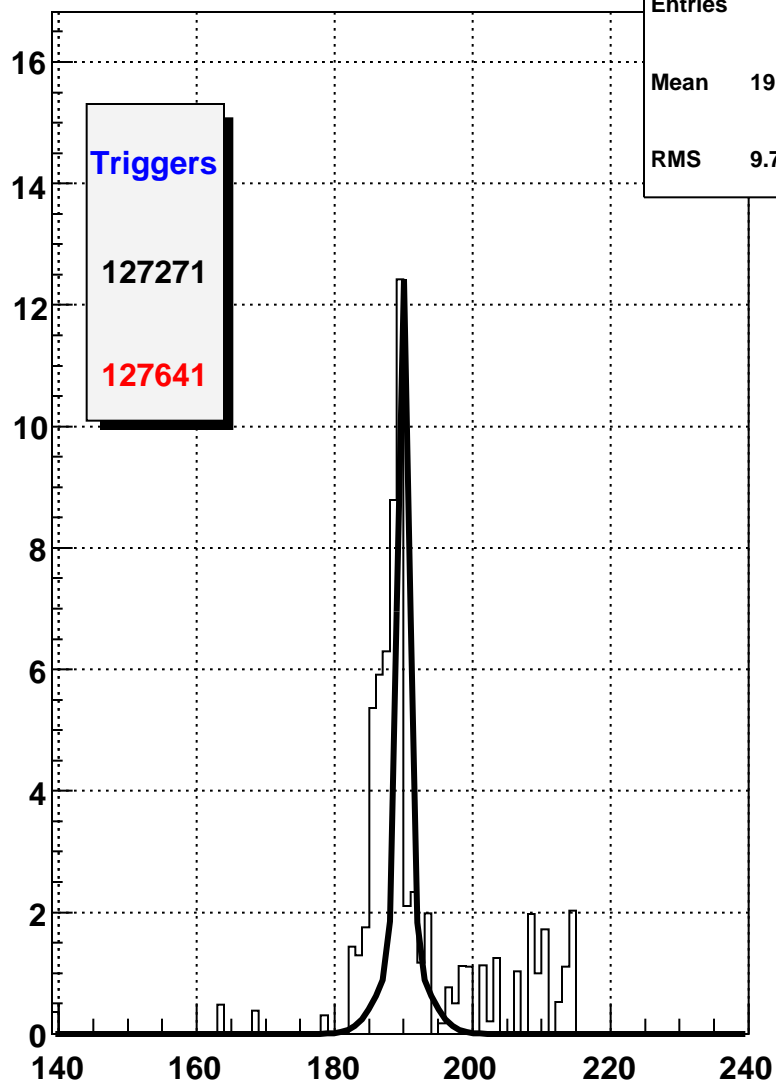
Entries 24  
Mean 268.9  
RMS 4.743



Run=7099046, Event=68092

**hSmdu**

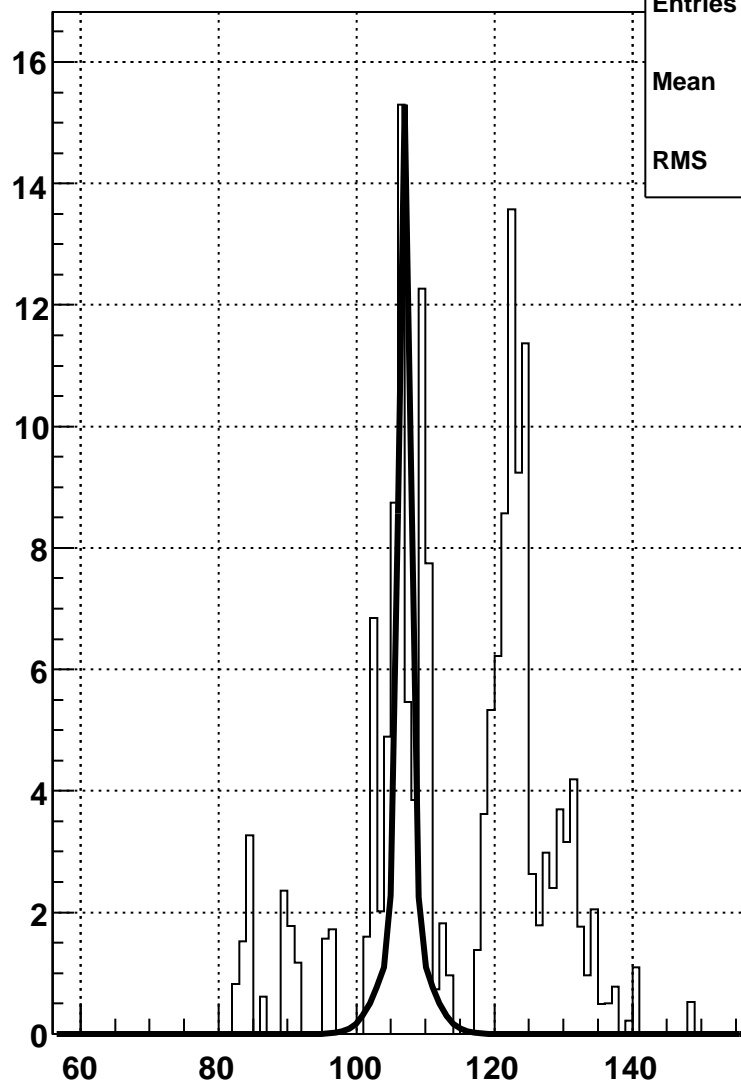
Entries	32
Mean	191.8
RMS	9.794



$p_T=8.1$  GeV,  $E=16.0$  GeV

**hSmdv**

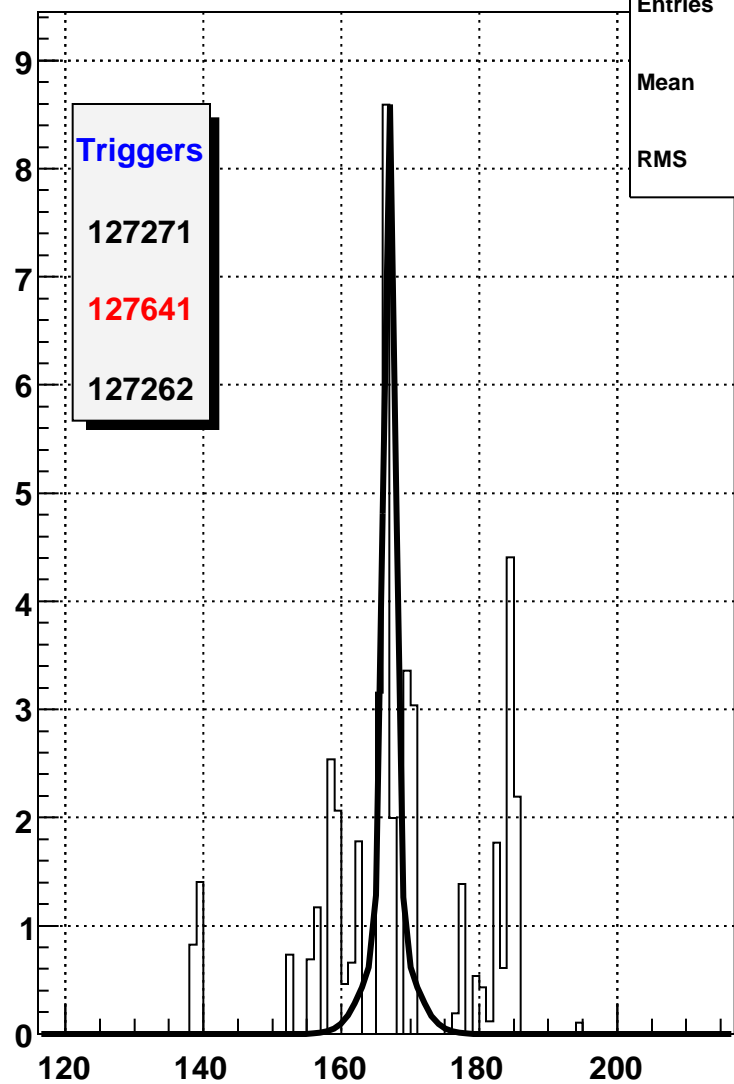
Entries	46
Mean	114.6
RMS	12.3



Run=7099046, Event=68469

**hSmdu**

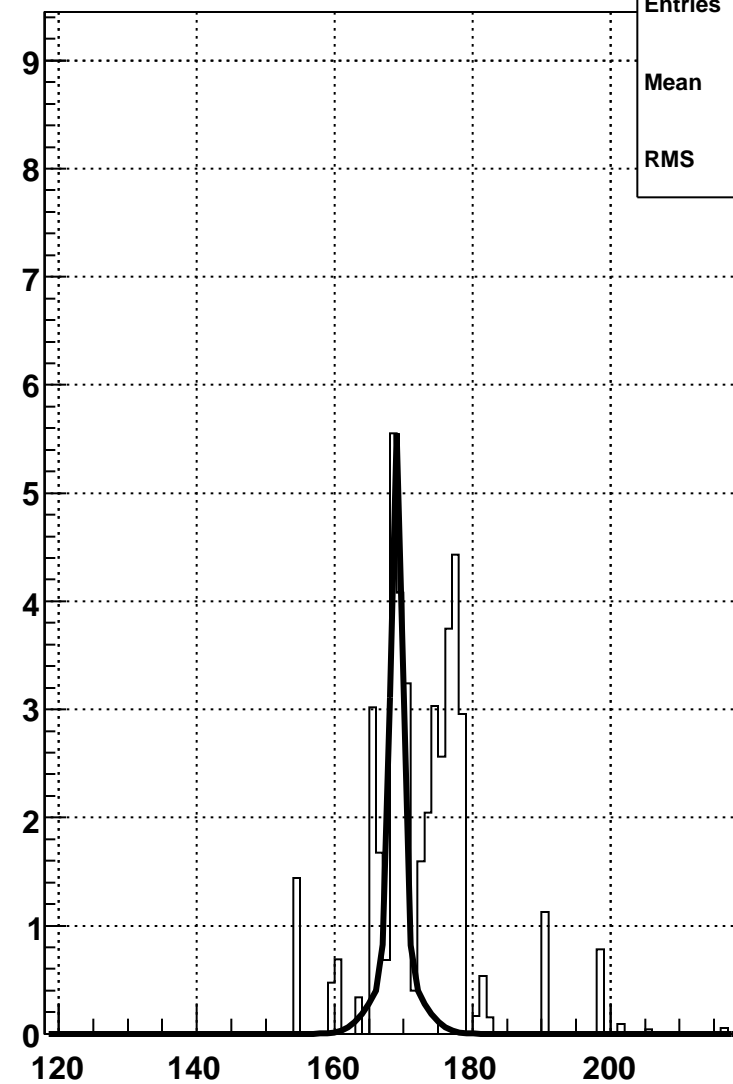
Entries	25
Mean	168.2
RMS	11.26



$p_T=5.6$  GeV,  $E=14.2$  GeV

**hSmdv**

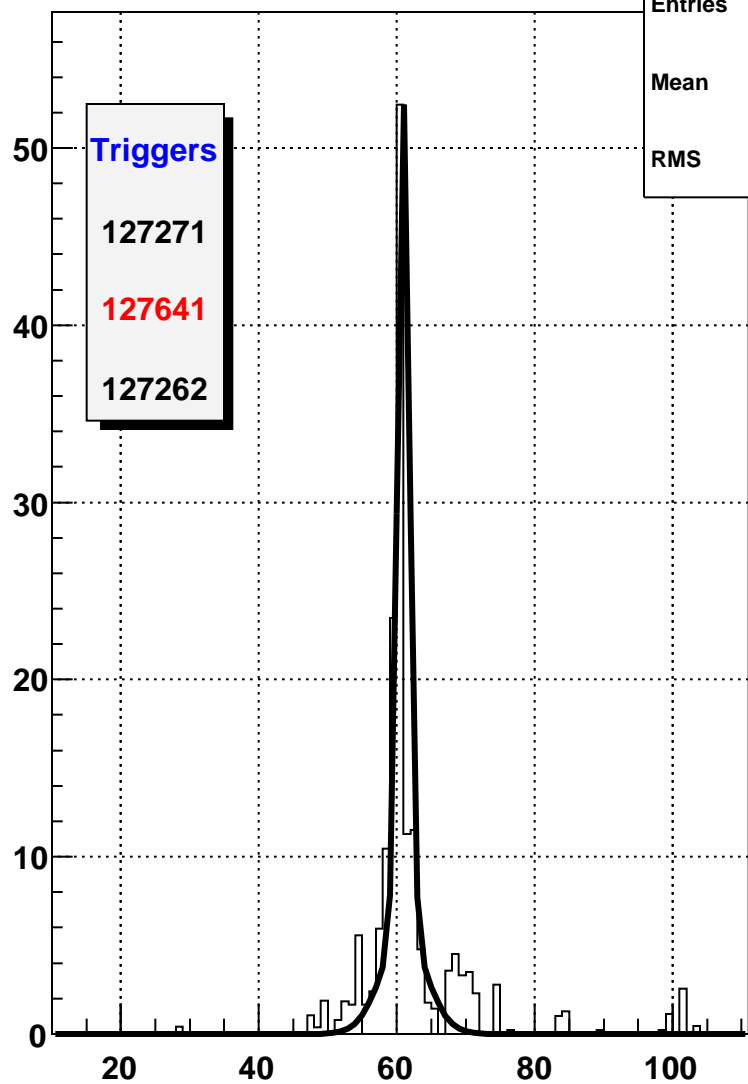
Entries	26
Mean	172.6
RMS	7.513



Run=7099046, Event=68880

**hSmdu**

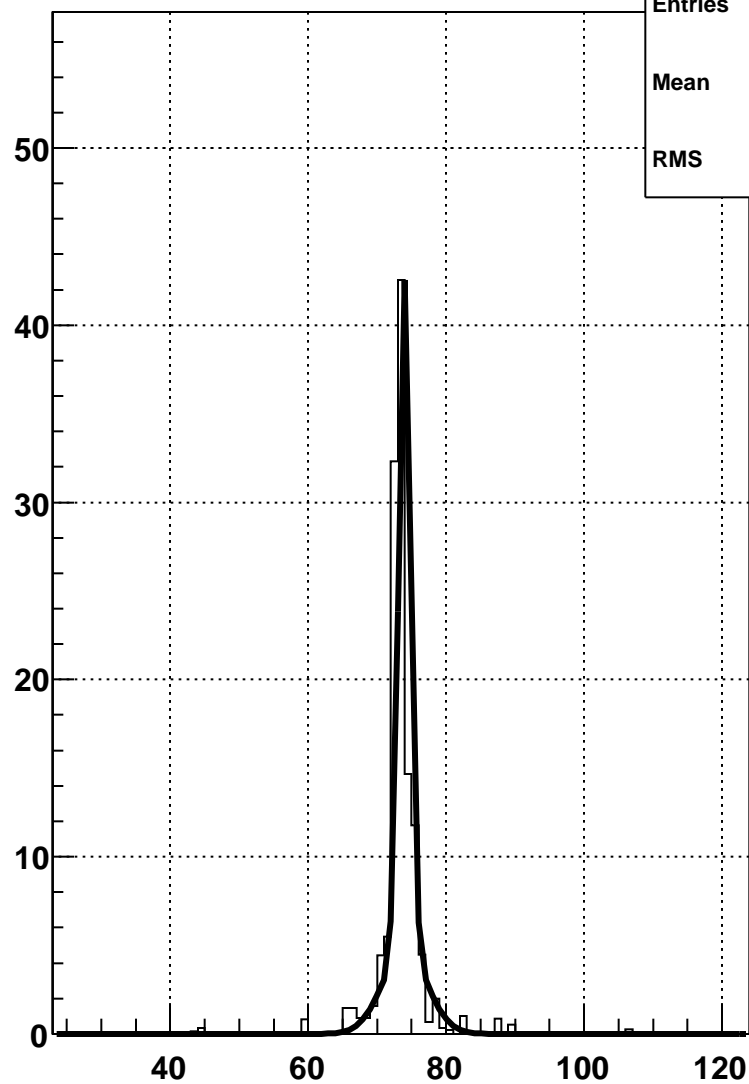
Entries	34
Mean	62.26
RMS	8.377



$p_T=6.2$  GeV,  $E=21.0$  GeV

**hSmdv**

Entries	24
Mean	73.38
RMS	3.697

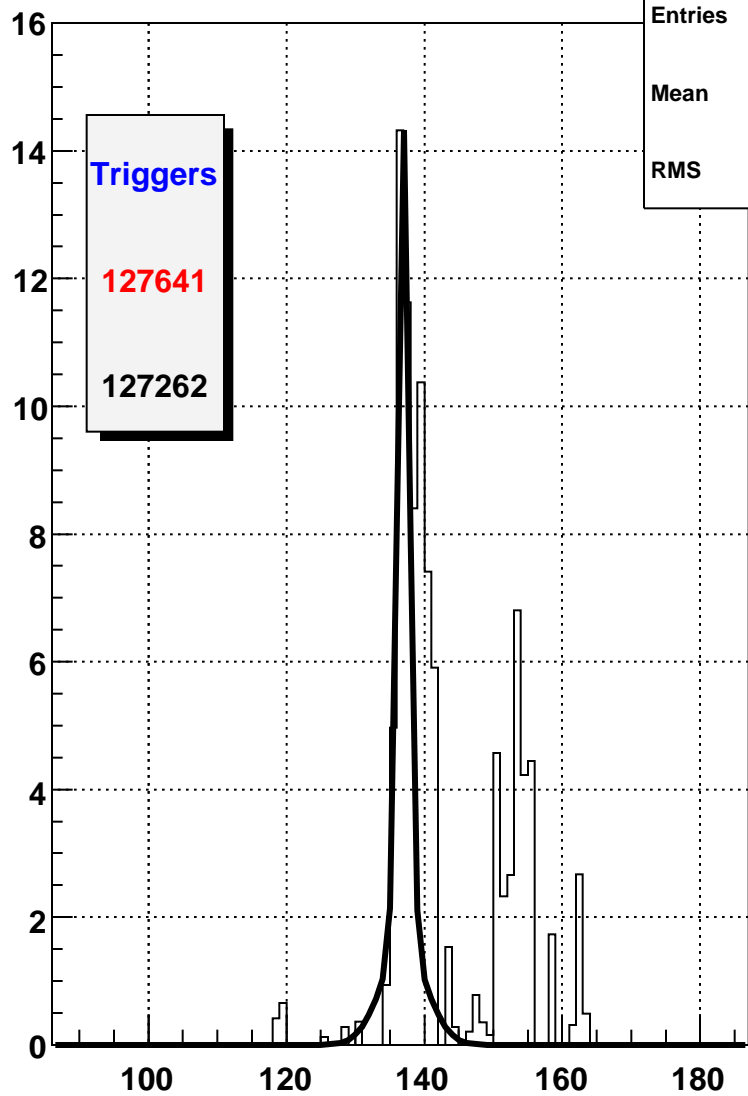




Run=7099046, Event=68882

**hSmdu**

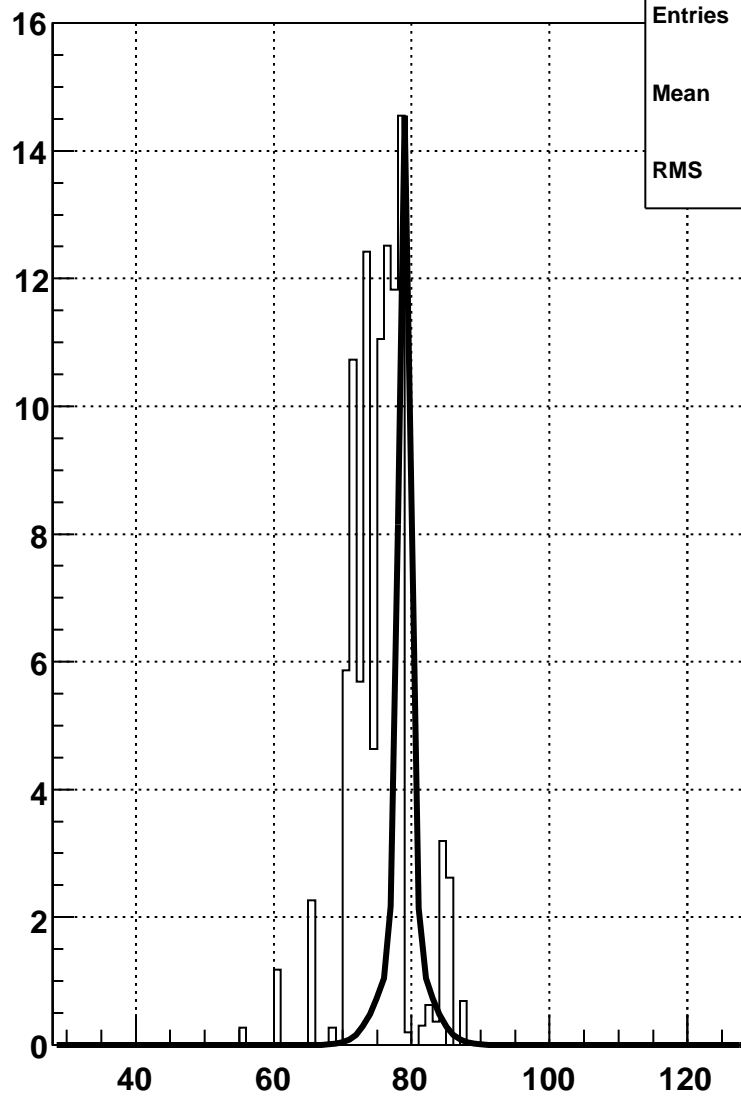
Entries	29
Mean	143.2
RMS	8.317



$p_T=6.2$  GeV,  $E=14.1$  GeV

**hSmdv**

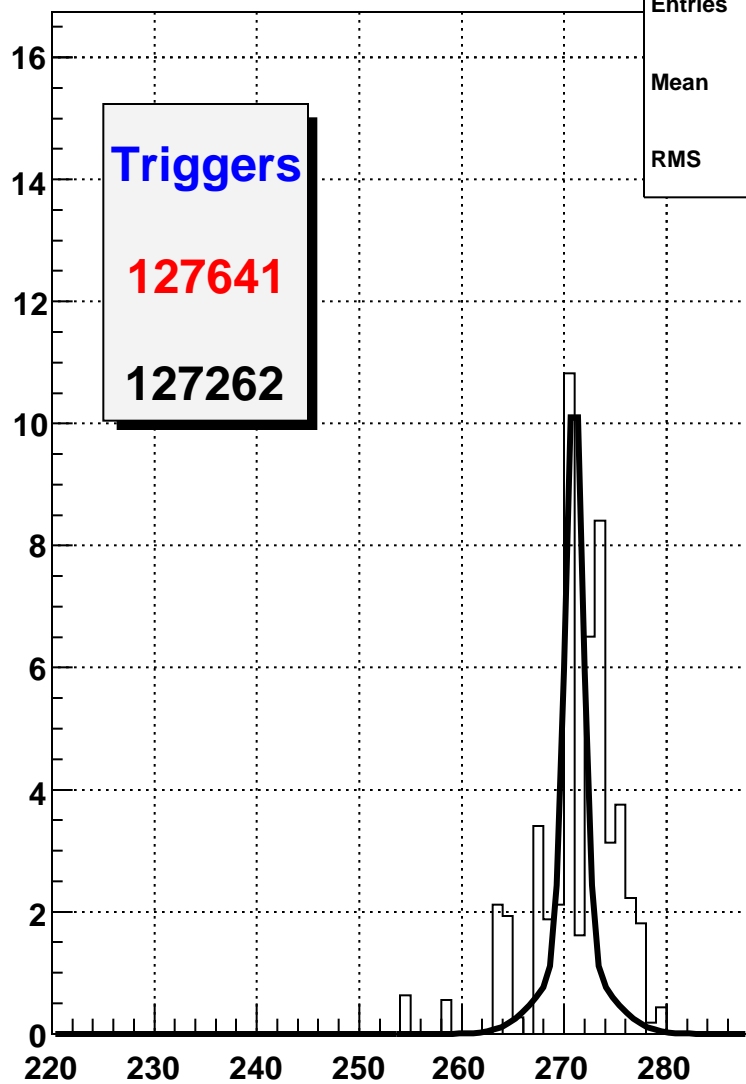
Entries	20
Mean	75.37
RMS	4.347



Run=7099046, Event=69879

**hSmdu**

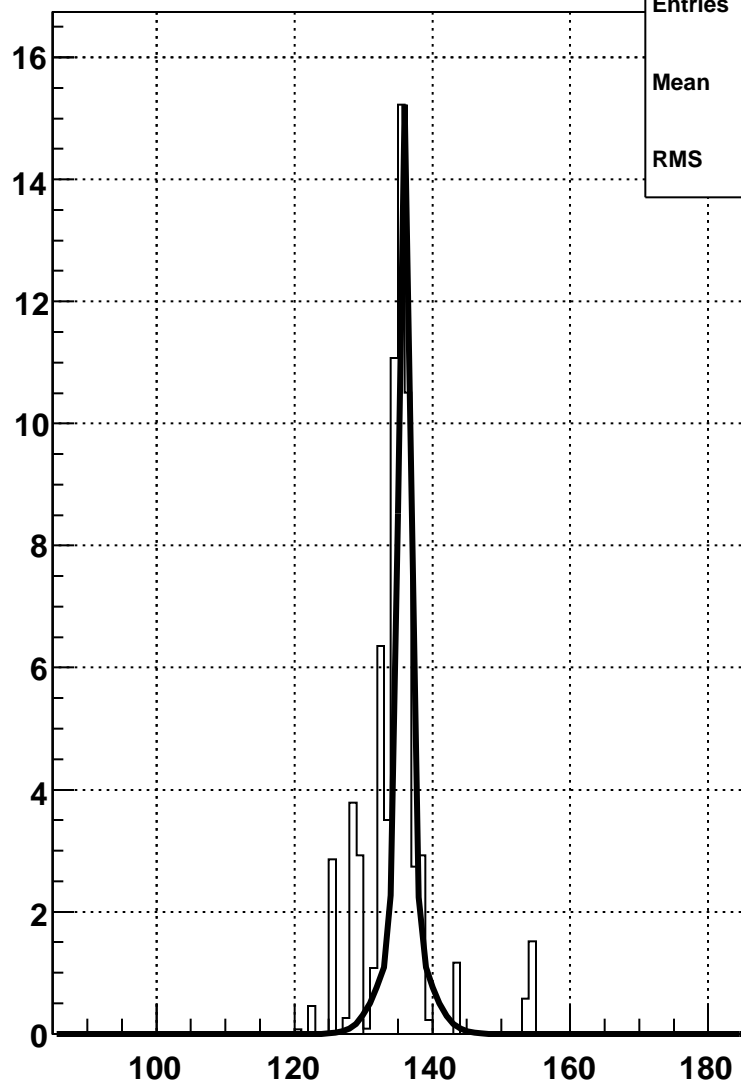
Entries	18
Mean	271.3
RMS	4.147



$p_T=5.2$  GeV,  $E=7.7$  GeV

**hSmdv**

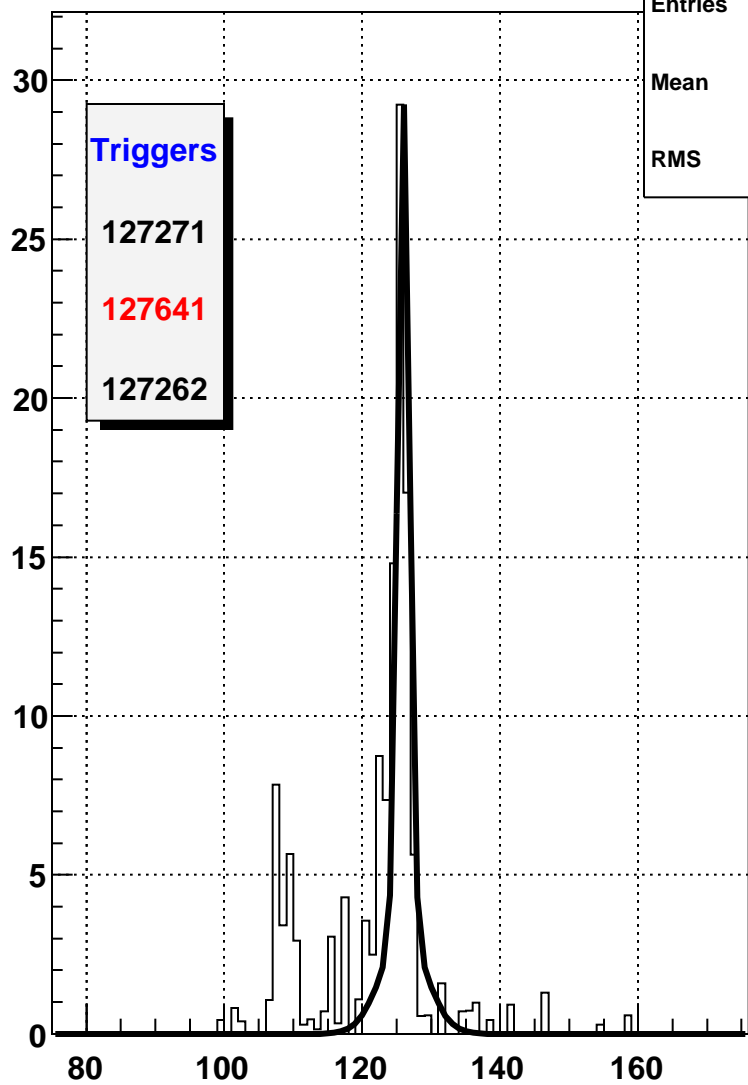
Entries	19
Mean	134.8
RMS	4.894



Run=7099046, Event=70277

**hSmdu**

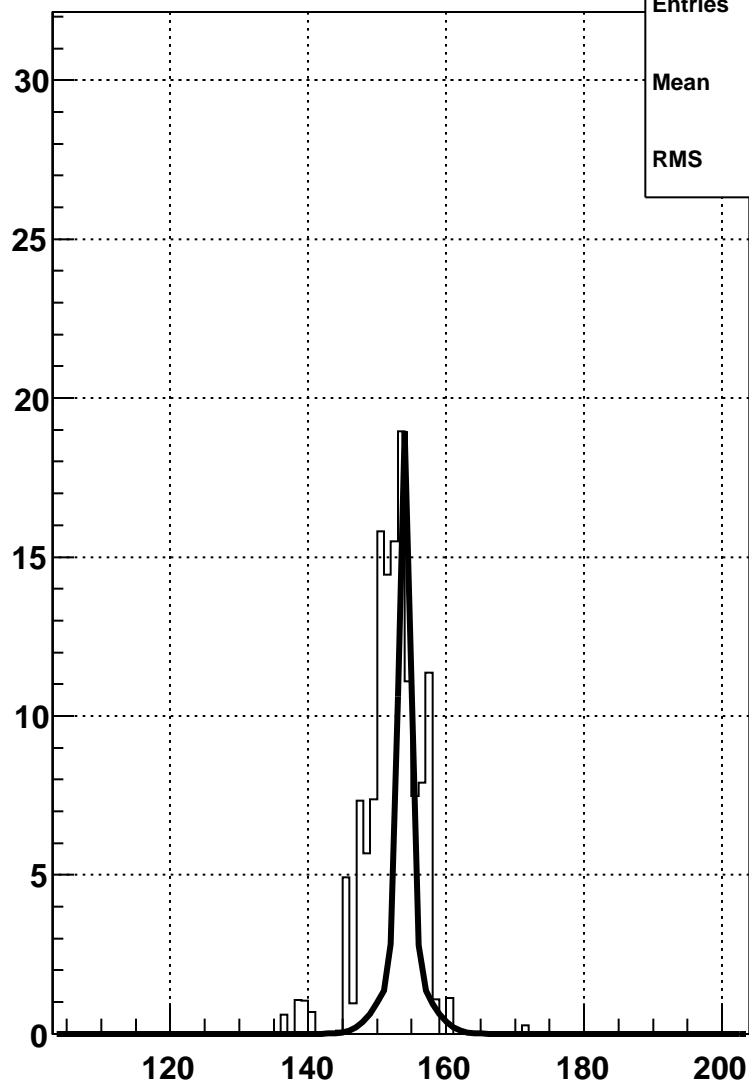
Entries	36
Mean	122.2
RMS	8.231



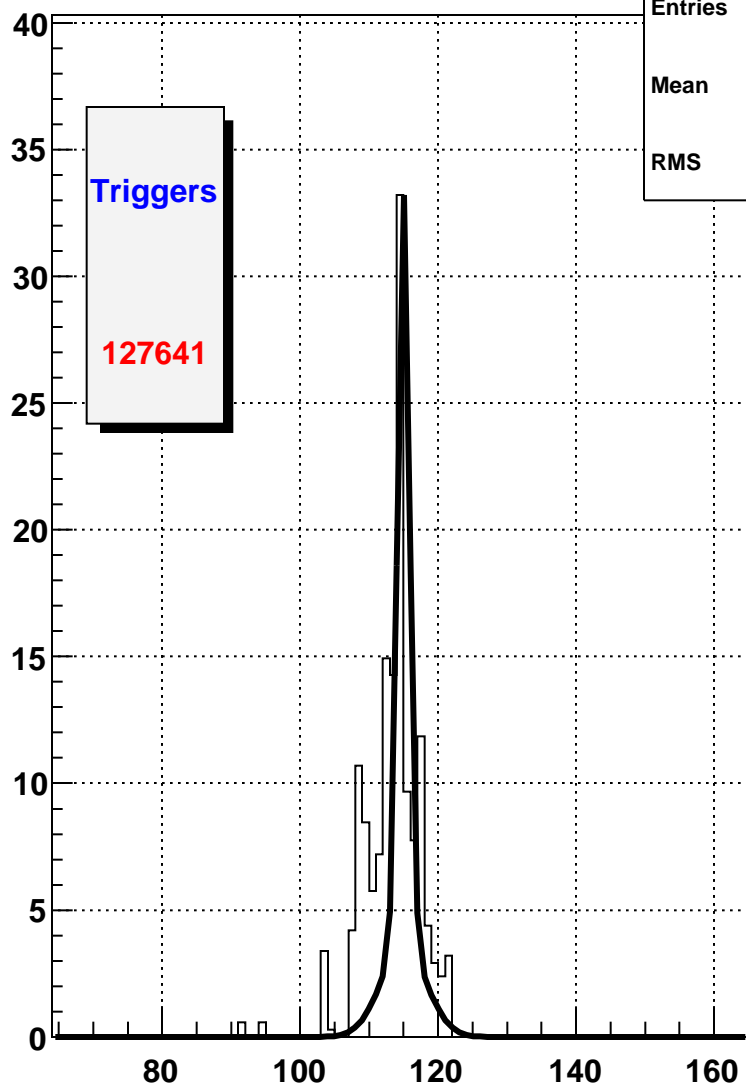
$p_T=6.8$  GeV,  $E=16.1$  GeV

**hSmdv**

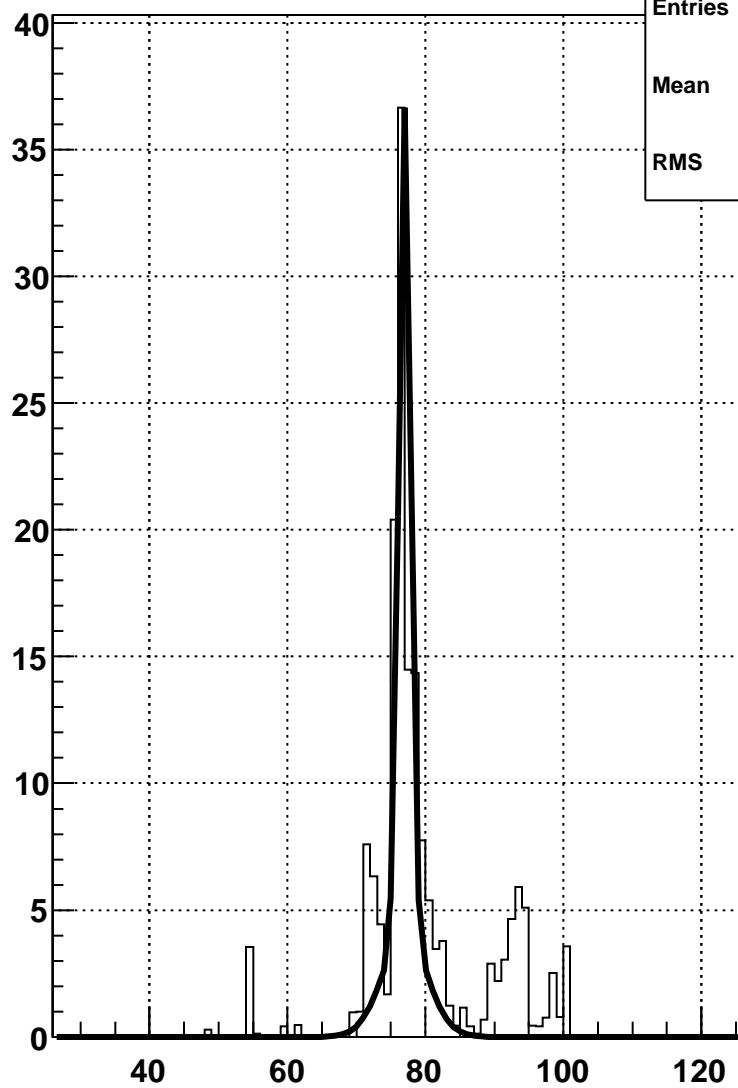
Entries	21
Mean	152.2
RMS	3.928



Run=7099047, Event=34859



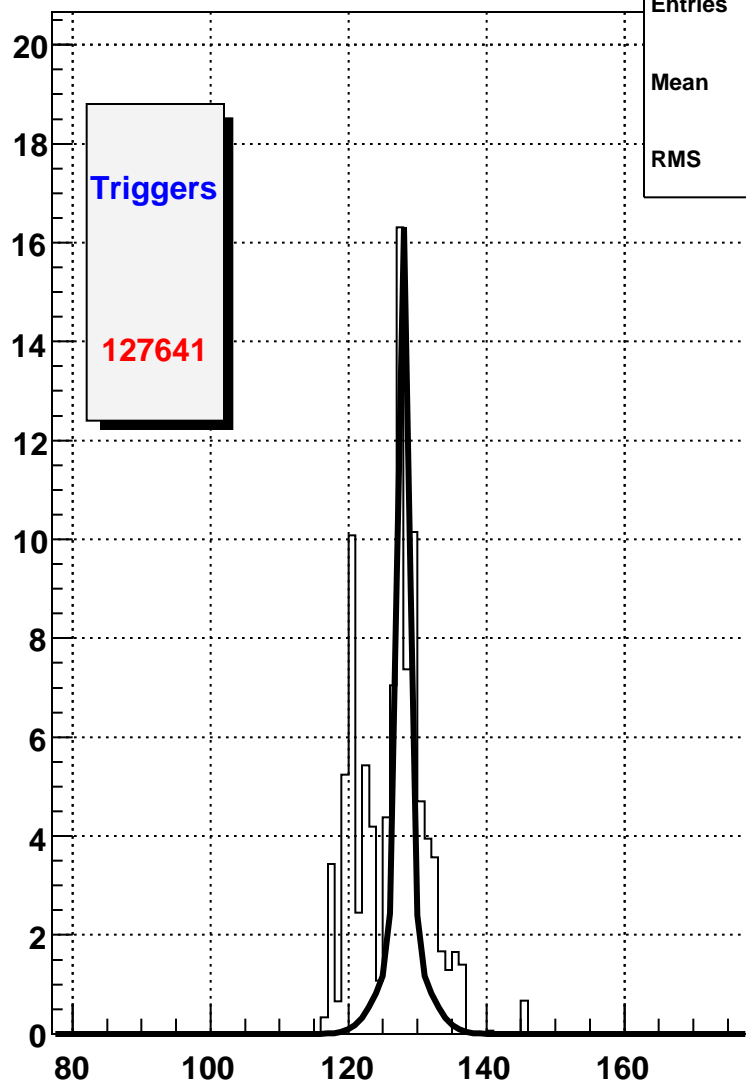
$p_T=5.8$  GeV,  $E=16.6$  GeV



Run=7099047, Event=35348

**hSmdu**

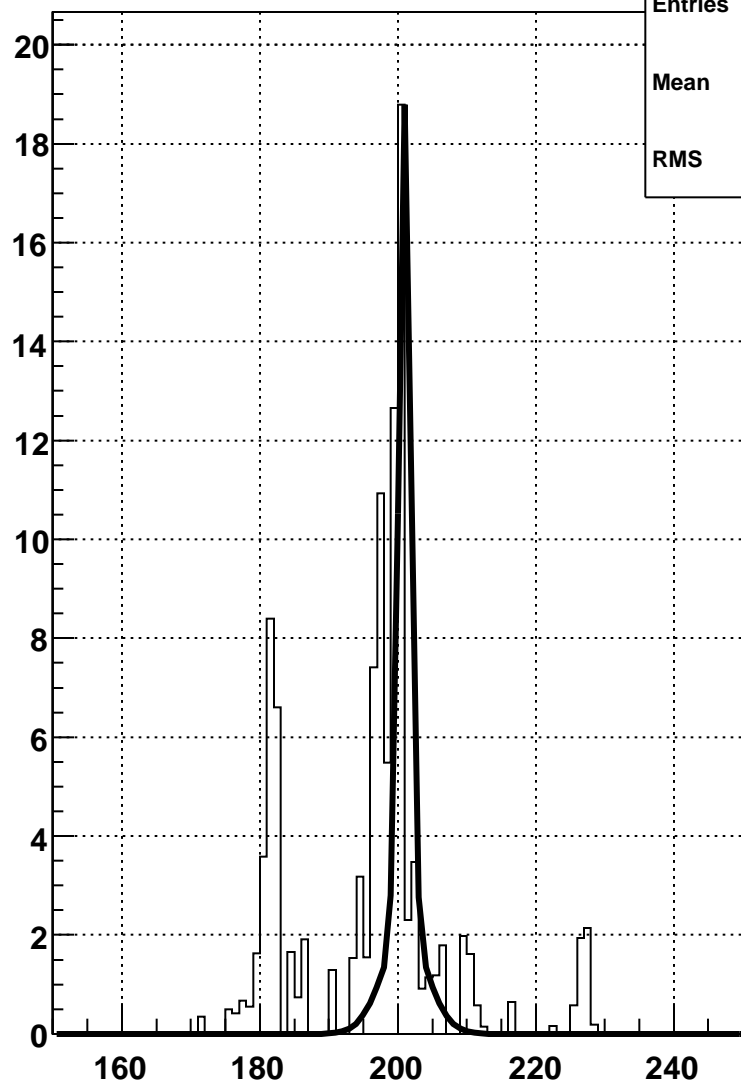
Entries	23
Mean	126.5
RMS	4.869



$p_T=5.2$  GeV,  $E=11.2$  GeV

**hSmdv**

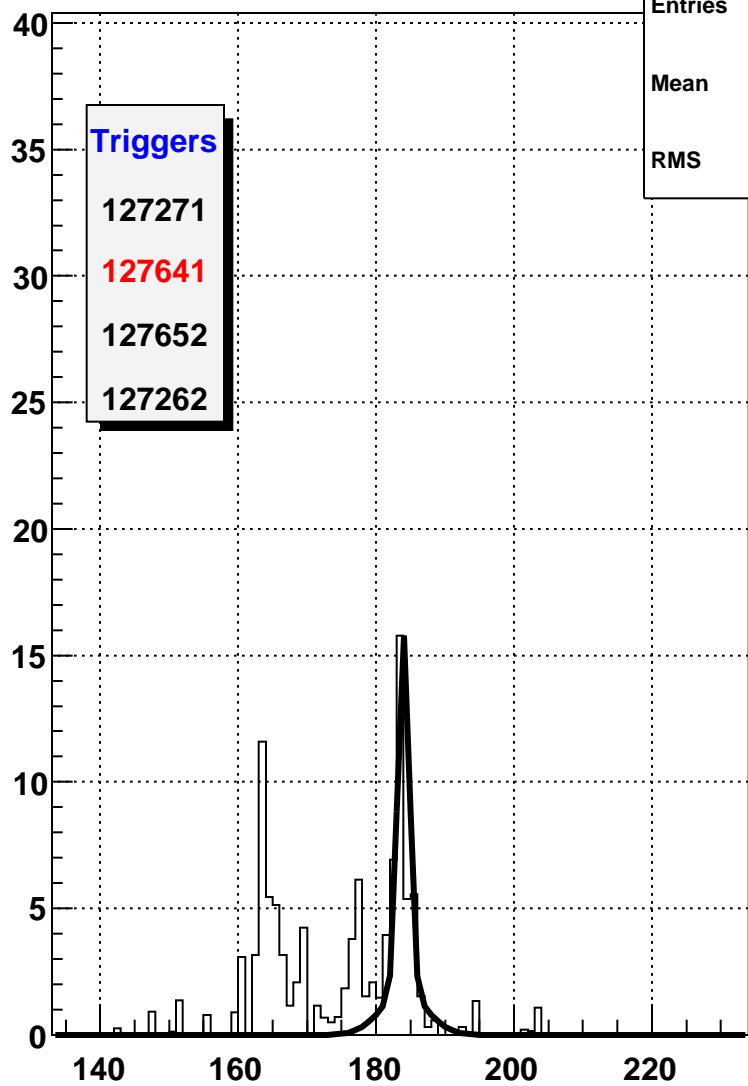
Entries	37
Mean	196.6
RMS	10.78



Run=7099047, Event=35803

**hSmdu**

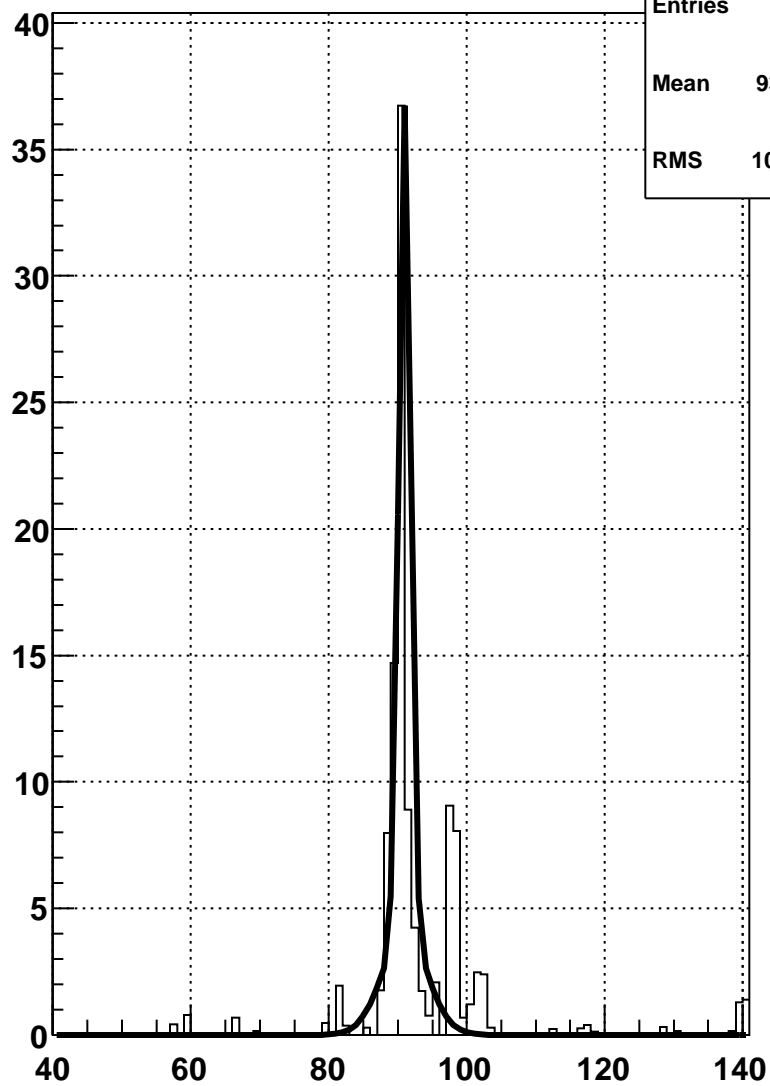
Entries	60
Mean	174.7
RMS	10.44



$p_T=9.1$  GeV,  $E=19.1$  GeV

**hSmdv**

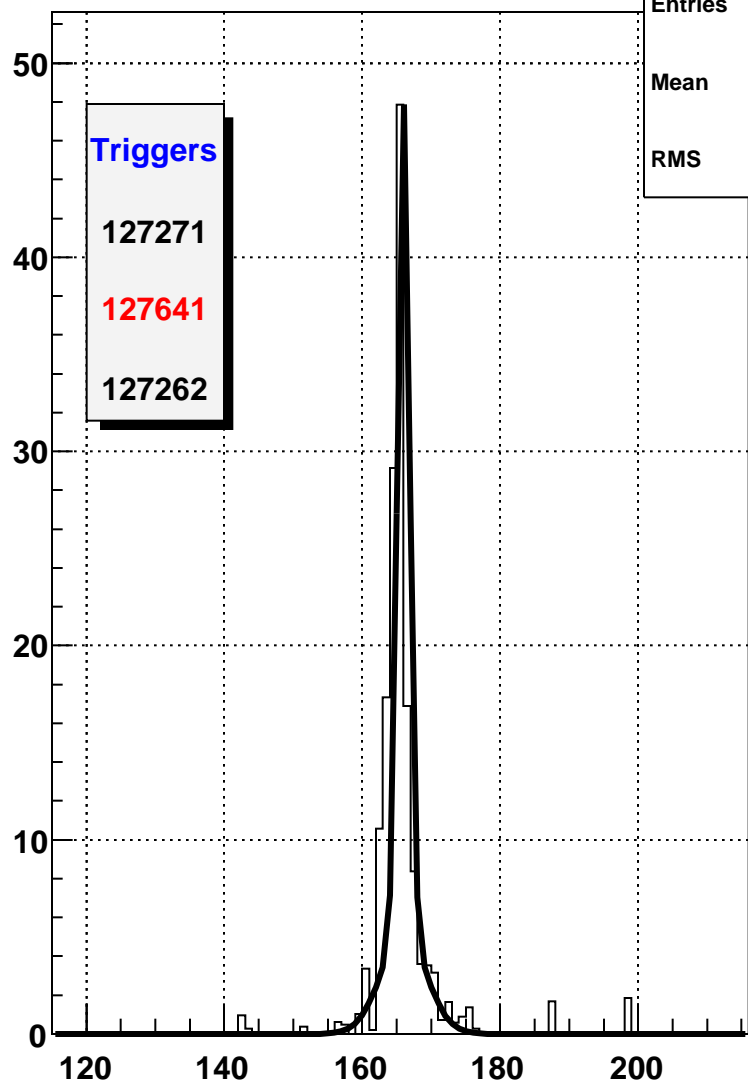
Entries	39
Mean	93.21
RMS	10.05



Run=7099047, Event=36646

**hSmdu**

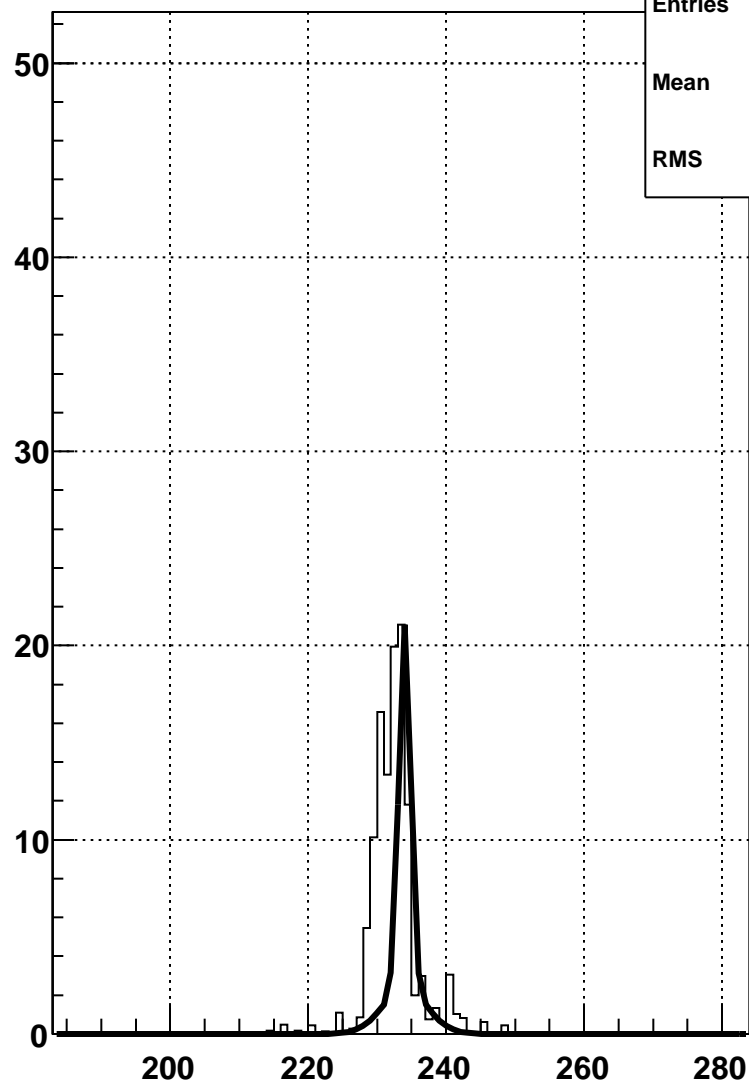
Entries	25
Mean	165.9
RMS	5.35



$p_T=7.6$  GeV,  $E=13.5$  GeV

**hSmdv**

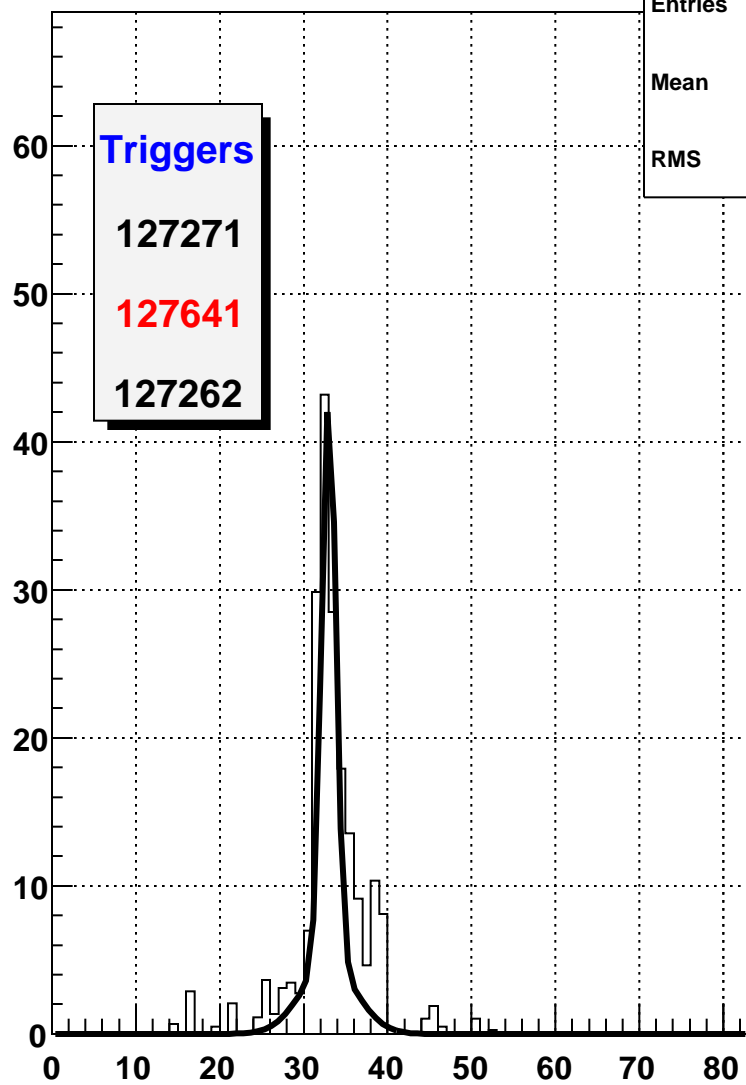
Entries	28
Mean	232.4
RMS	3.922



Run=7099047, Event=36917

**hSmdu**

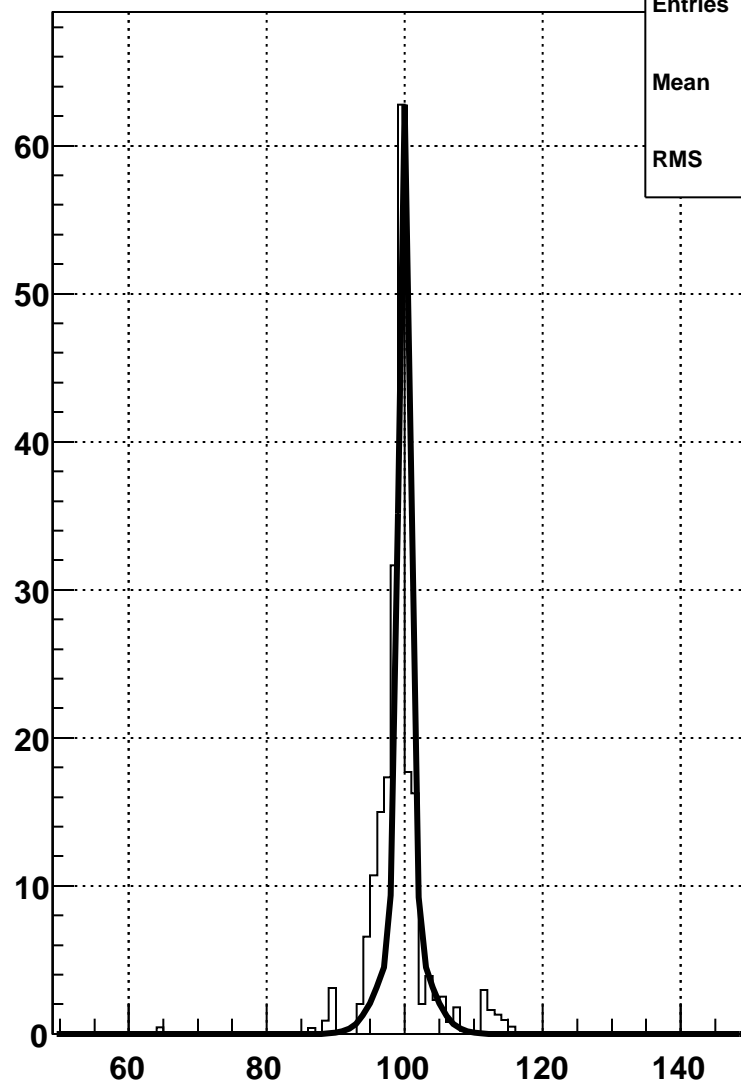
Entries	29
Mean	33.19
RMS	4.498



$p_T=7.8$  GeV,  $E=29.5$  GeV

**hSmdv**

Entries	32
Mean	99.29
RMS	4.104

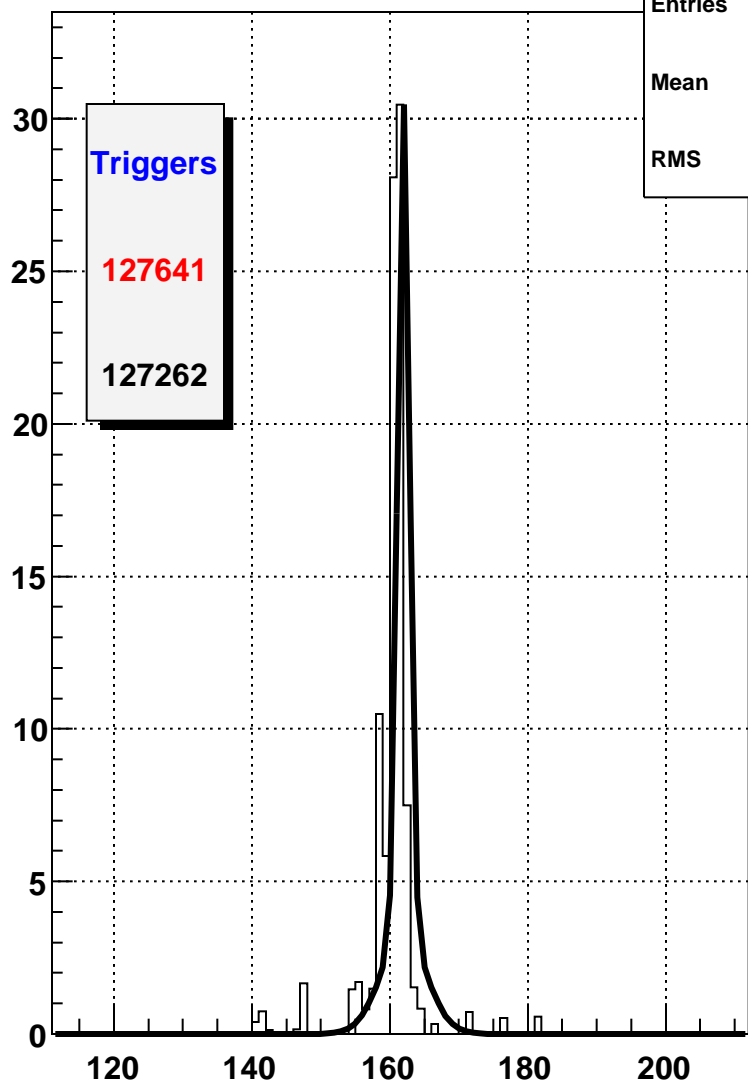




Run=7099047, Event=37906

**hSmdu**

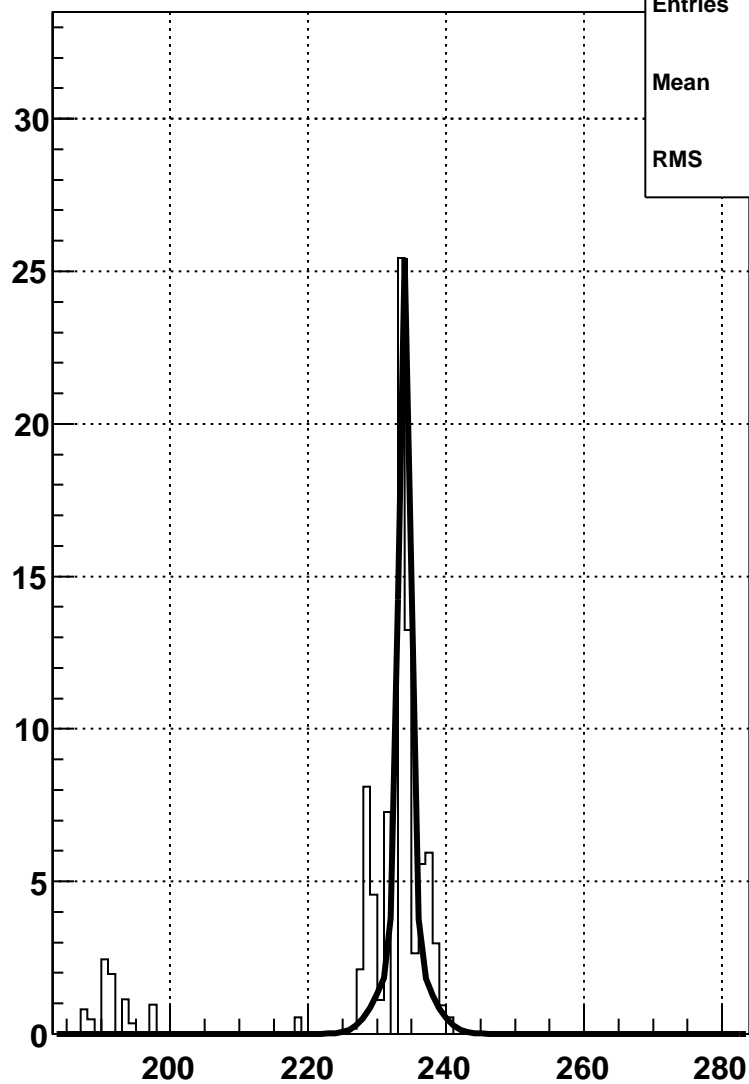
Entries	21
Mean	160.3
RMS	4.019



$p_T=5.8$  GeV,  $E=10.5$  GeV

**hSmdv**

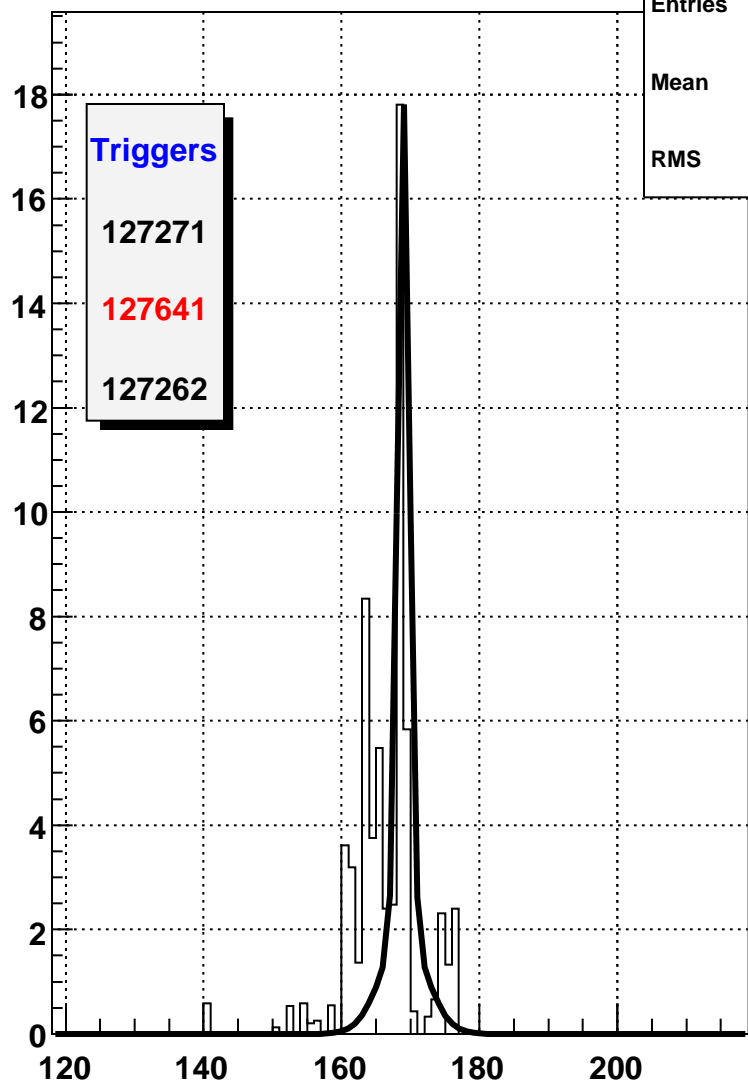
Entries	23
Mean	229.5
RMS	12.37



Run=7099045, Event=12152

**hSmdu**

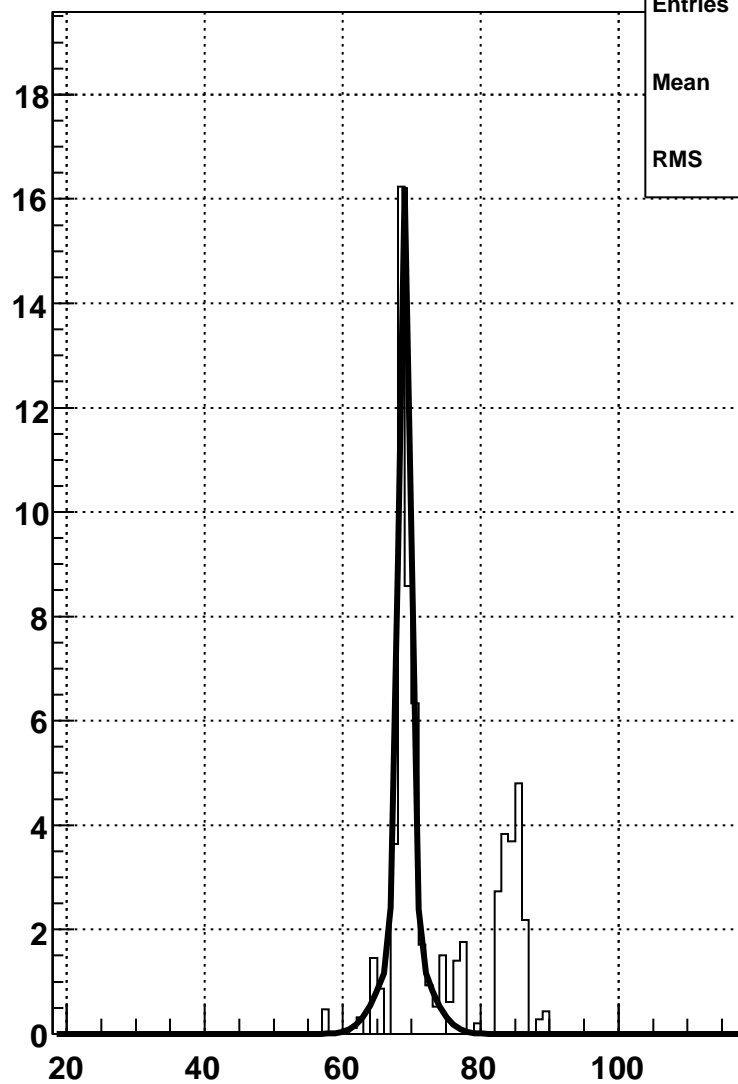
Entries	26
Mean	166.4
RMS	5.13



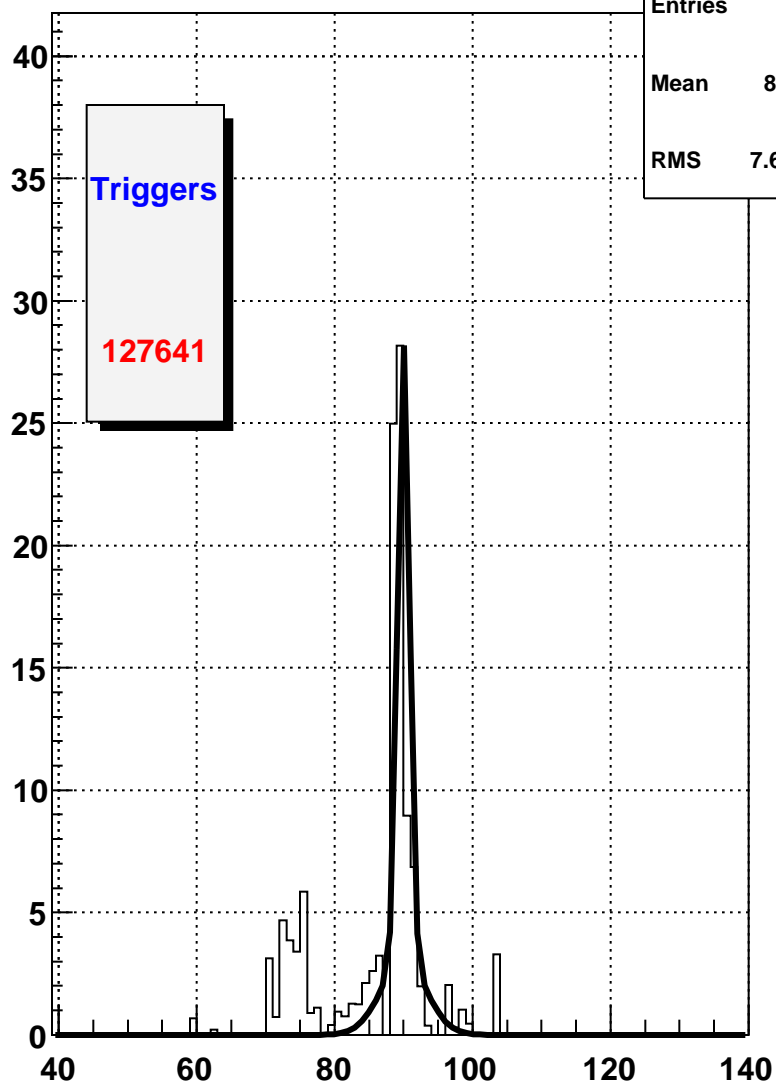
$p_T=9.8$  GeV,  $E=20.0$  GeV

**hSmdv**

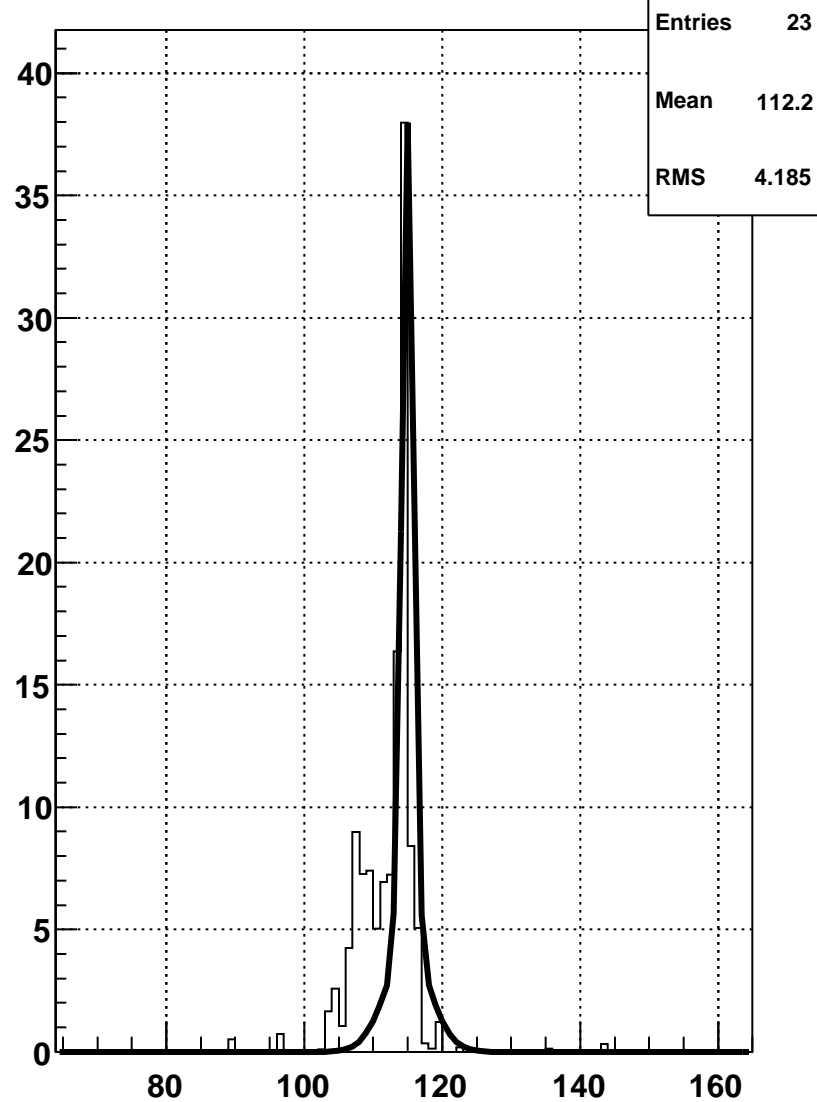
Entries	37
Mean	73.85
RMS	7.27



Run=7099045, Event=21724



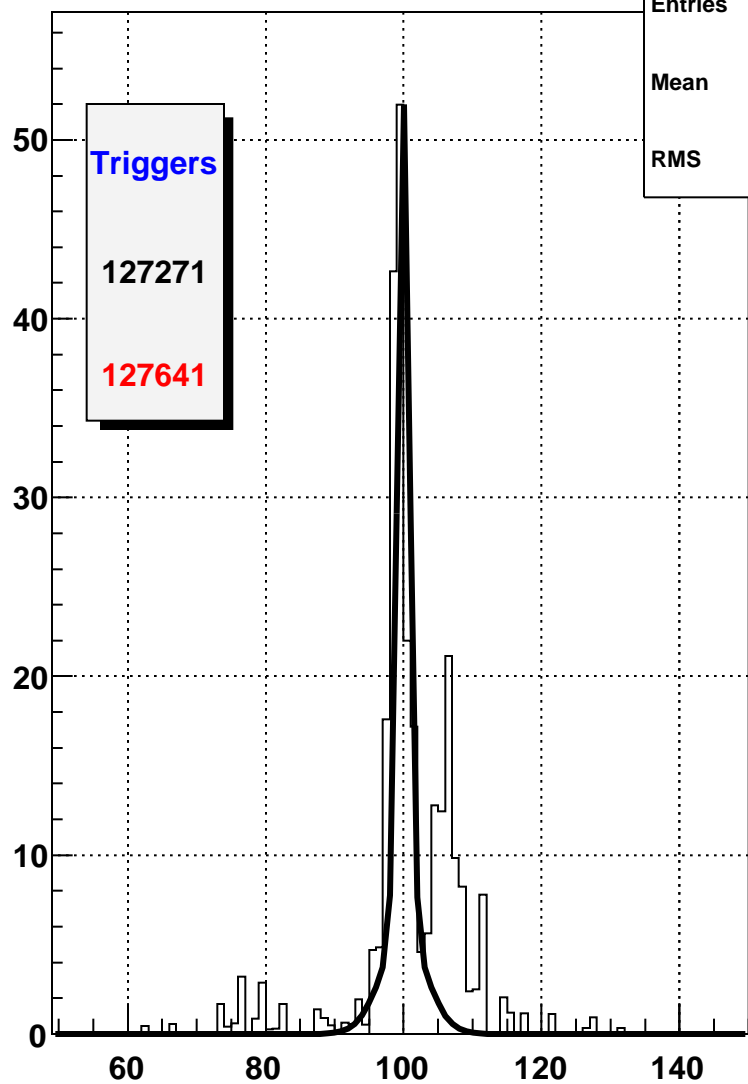
$p_T=5.7$  GeV,  $E=12.8$  GeV



Run=7099047, Event=523

**hSmdu**

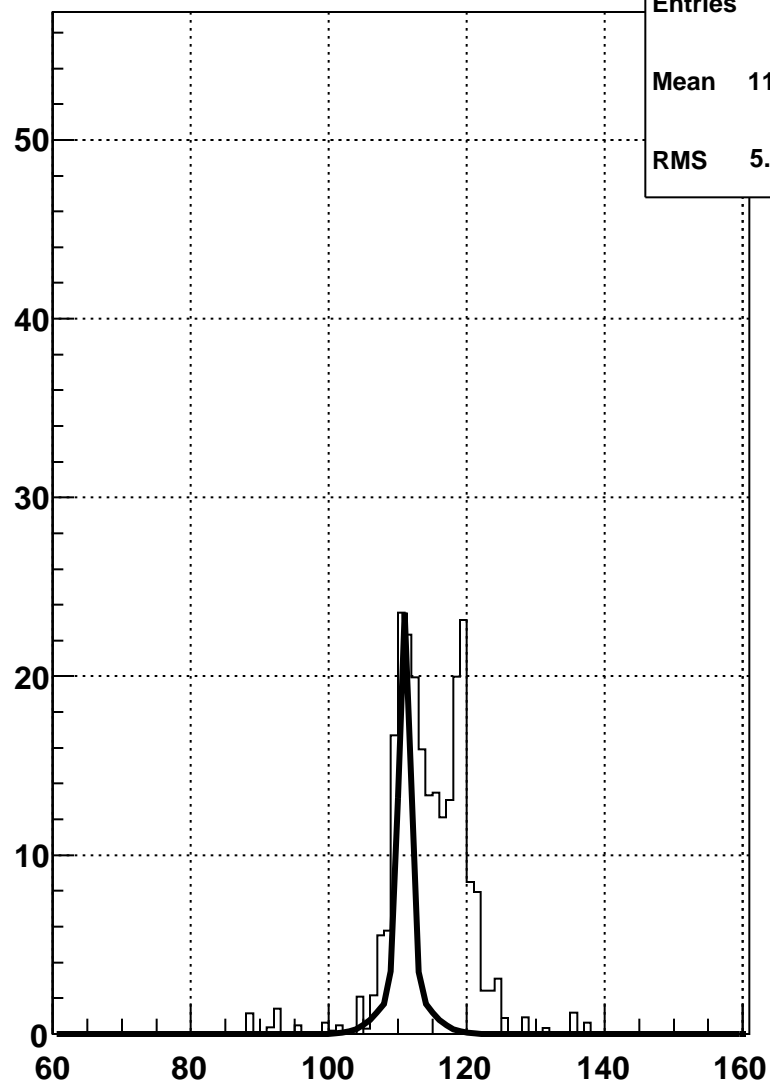
Entries	43
Mean	100.8
RMS	7.441



$p_T=14.9$  GeV,  $E=29.5$  GeV

**hSmdv**

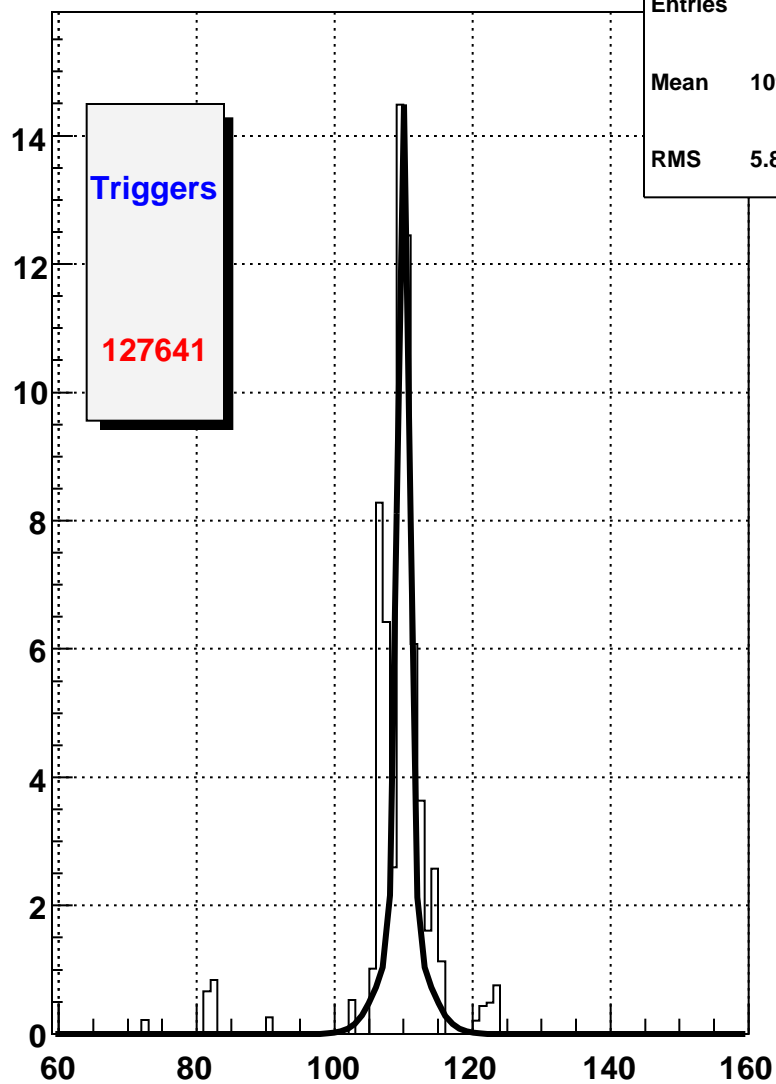
Entries	41
Mean	114.6
RMS	5.811



Run=7099047, Event=1569

**hSmdu**

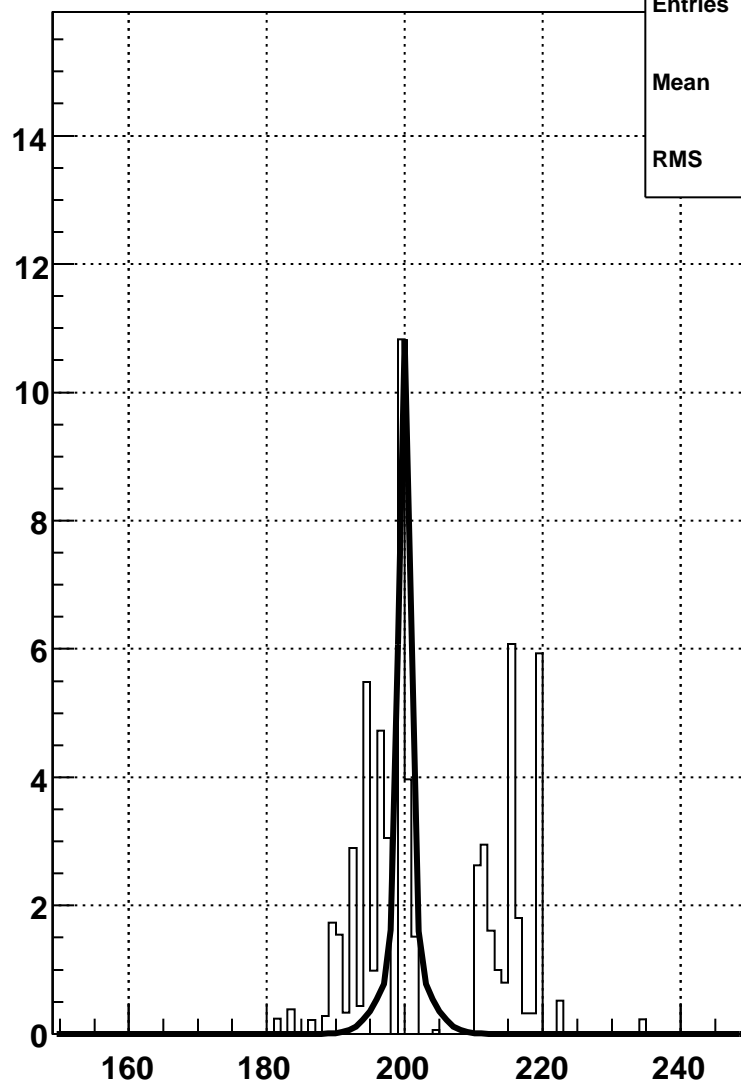
Entries	20
Mean	109.3
RMS	5.809



$p_T=5.5$  GeV,  $E=10.3$  GeV

**hSmdv**

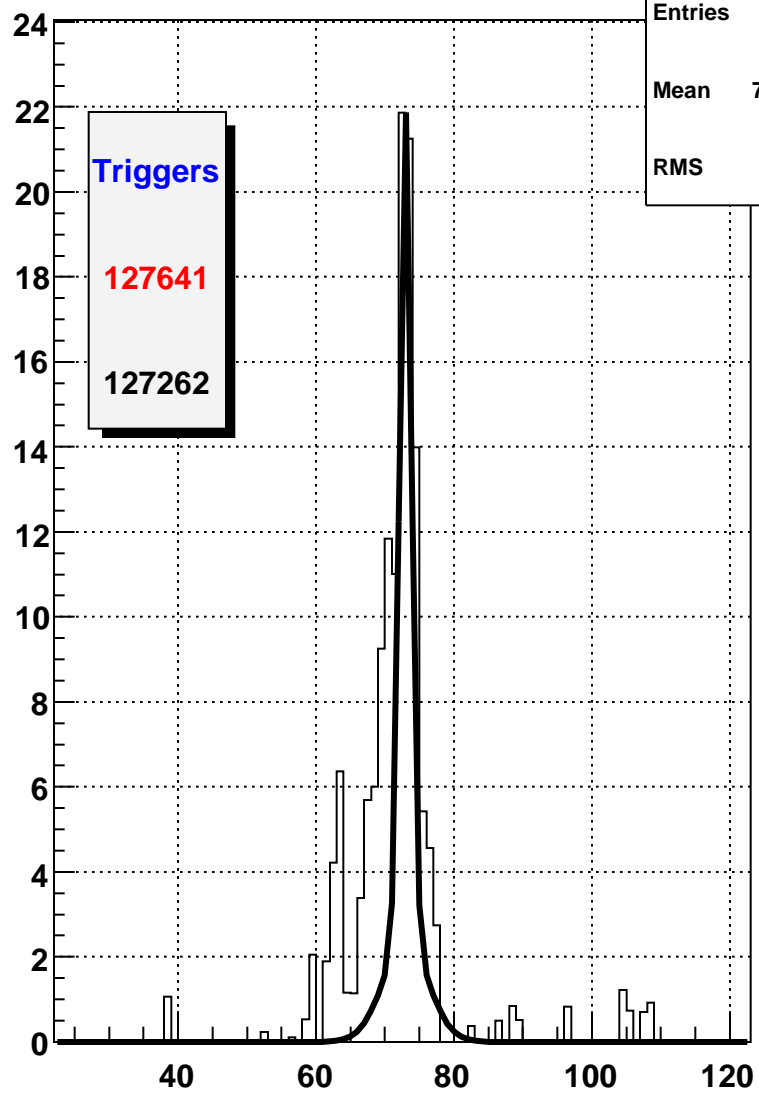
Entries	29
Mean	203.8
RMS	10.07



Run=7099047, Event=2025

**hSmdu**

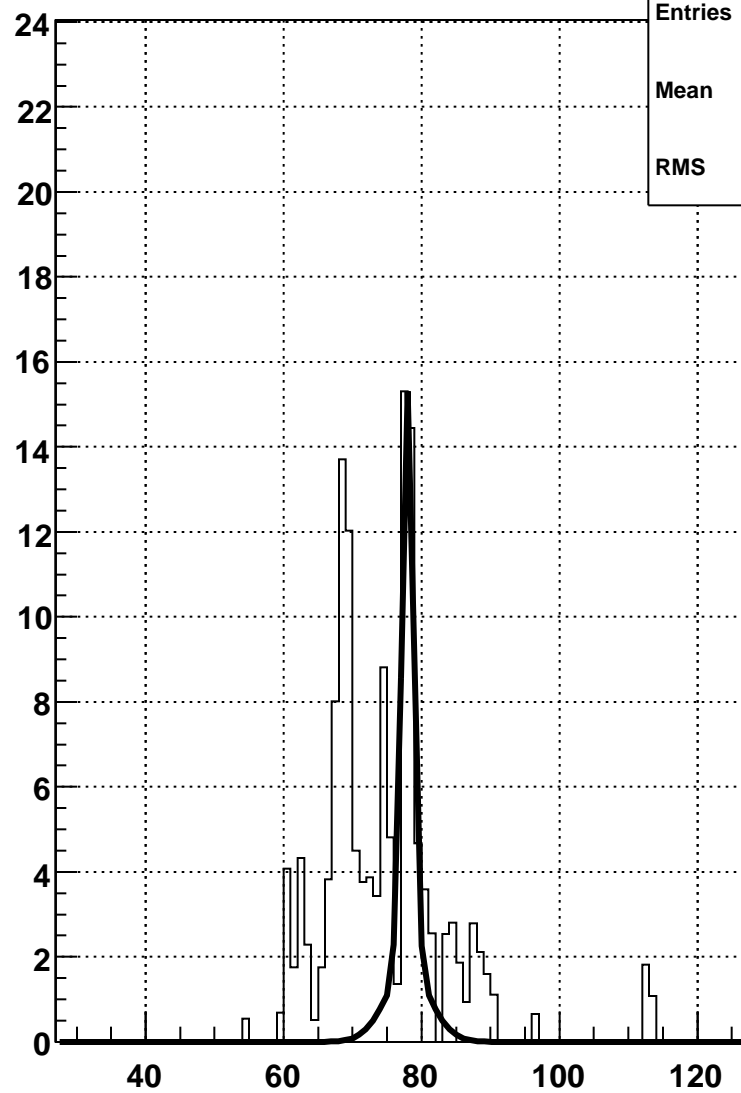
Entries	31
Mean	71.95
RMS	7.9



$p_T=5.5$  GeV,  $E=15.1$  GeV

**hSmdv**

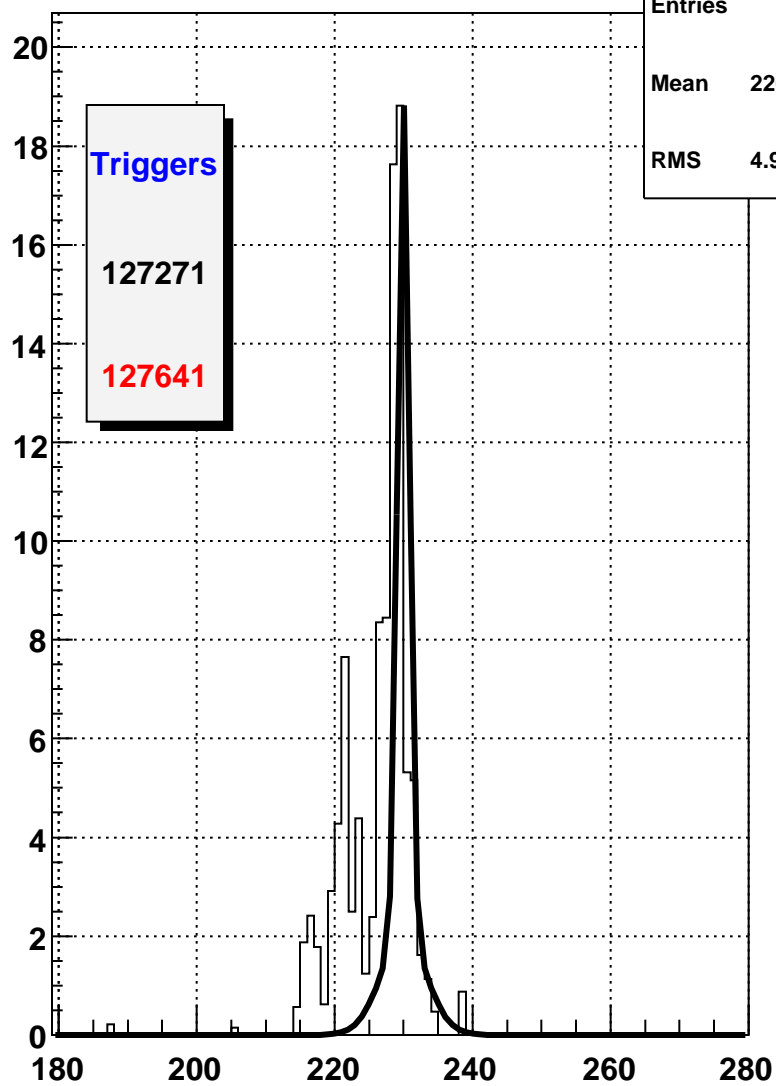
Entries	35
Mean	74.64
RMS	9.063



Run=7099047, Event=2519

**hSmdu**

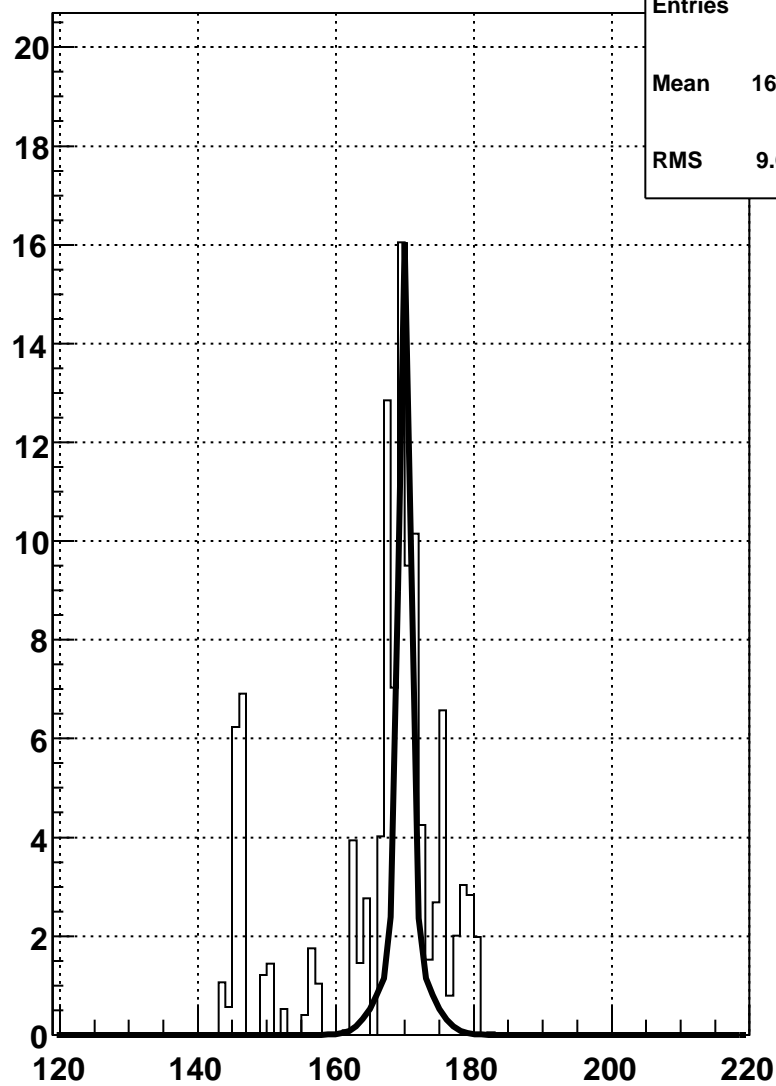
Entries	24
Mean	226.3
RMS	4.915



$p_T=7.2$  GeV,  $E=9.7$  GeV

**hSmdv**

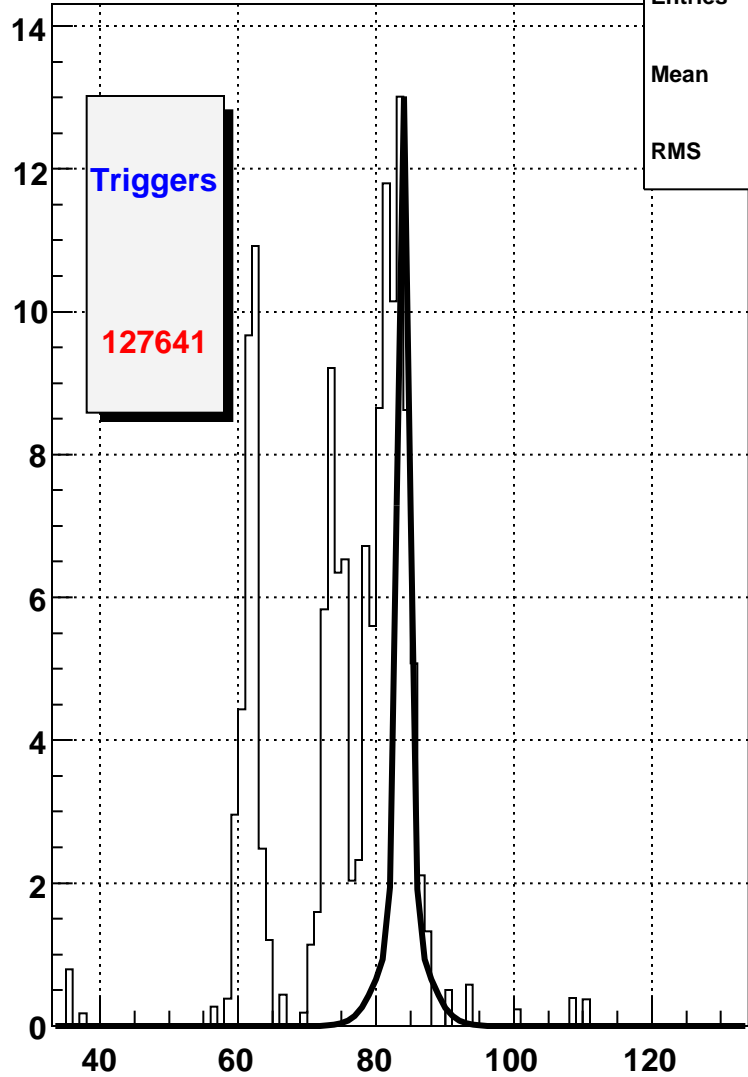
Entries	30
Mean	166.5
RMS	9.671



Run=7099047, Event=2537

**hSmdu**

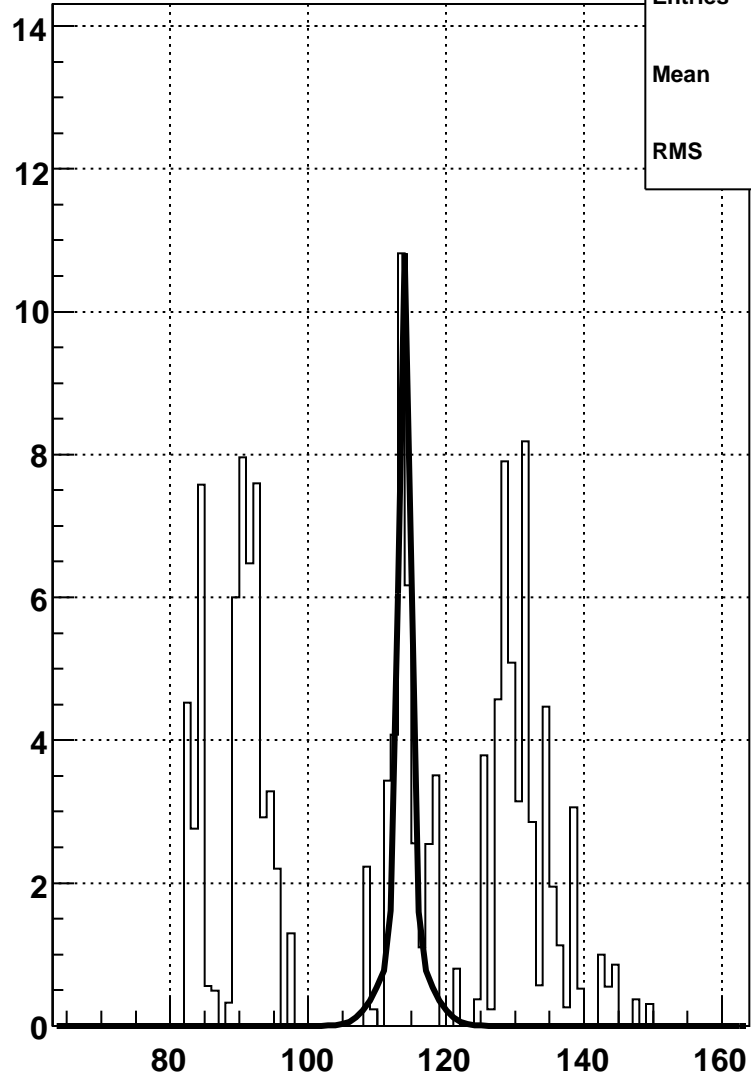
Entries	35
Mean	75.59
RMS	9.512



$p_T=5.9$  GeV,  $E=16.2$  GeV

**hSmdv**

Entries	46
Mean	111.2
RMS	18.65

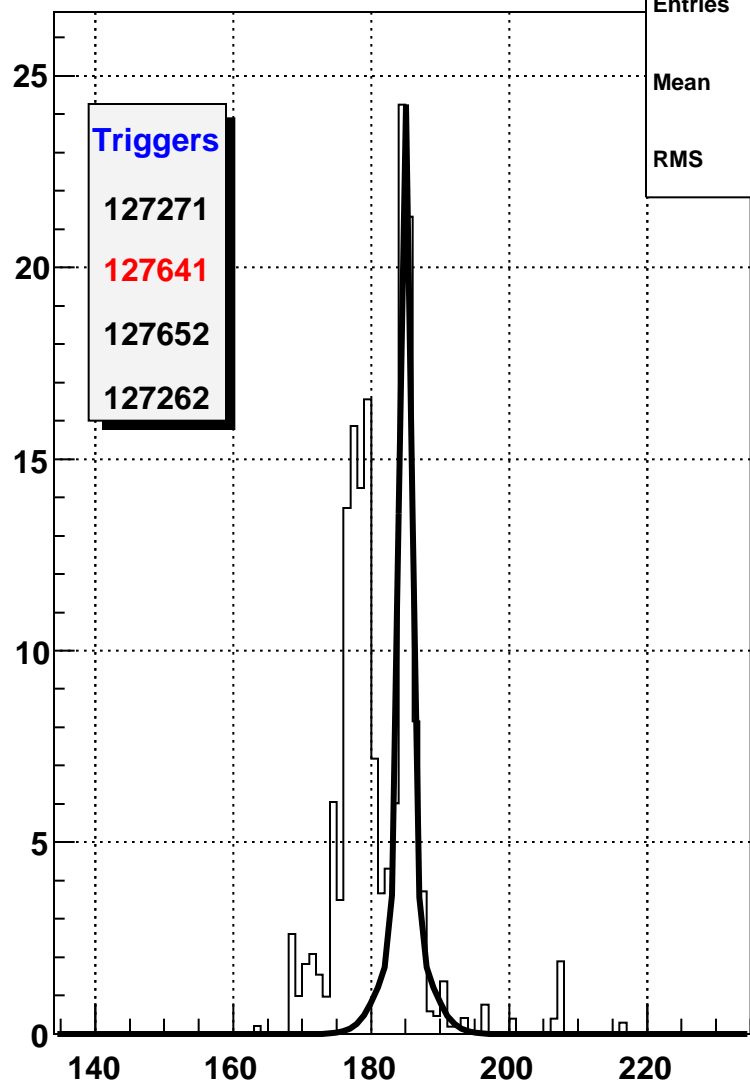




Run=7099047, Event=3182

**hSmdu**

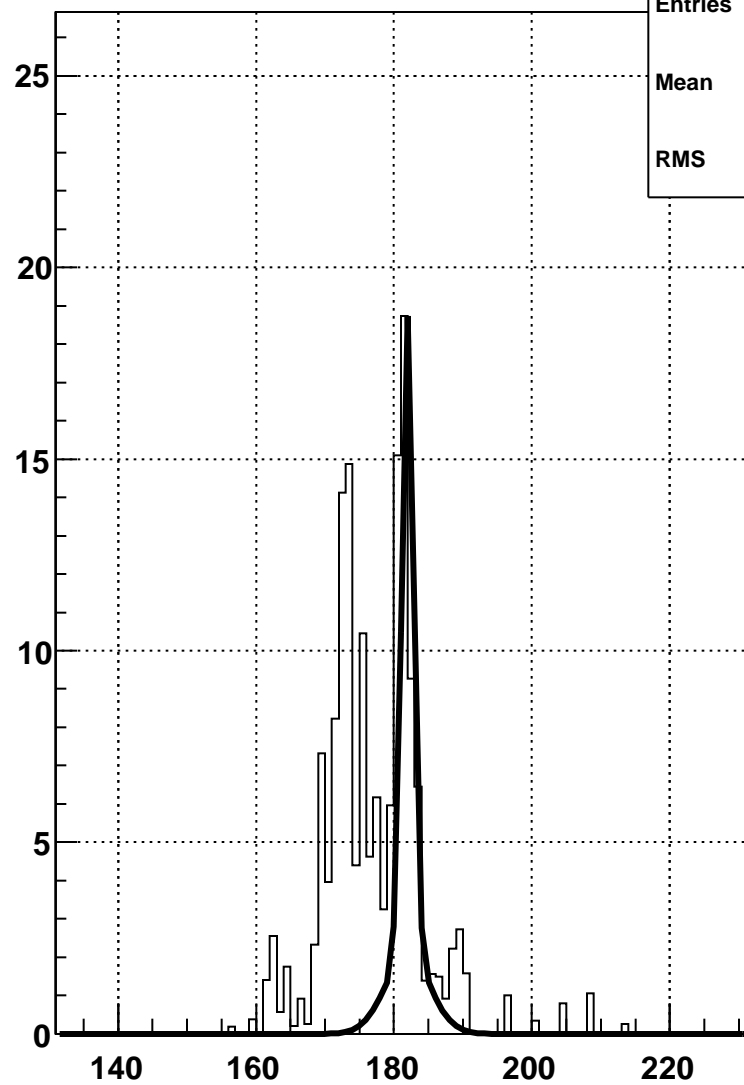
Entries	32
Mean	181.3
RMS	5.96



$p_T=11.8$  GeV,  $E=20.9$  GeV

**hSmdv**

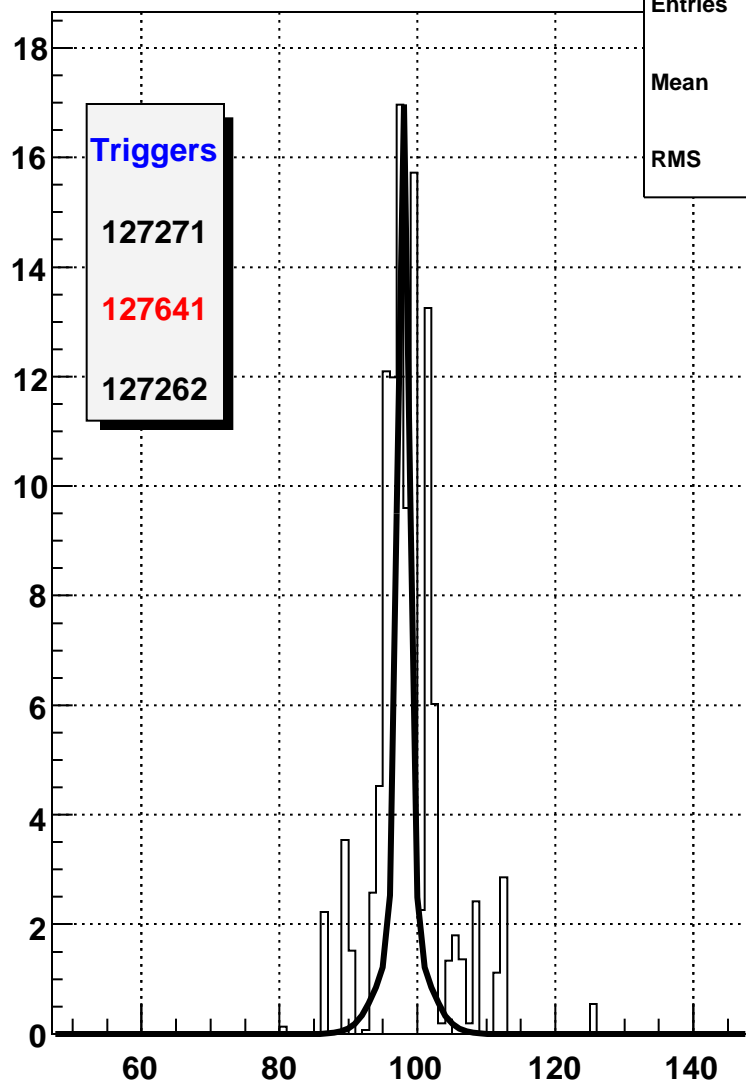
Entries	37
Mean	177.4
RMS	7.205



Run=7099047, Event=4102

**hSmdu**

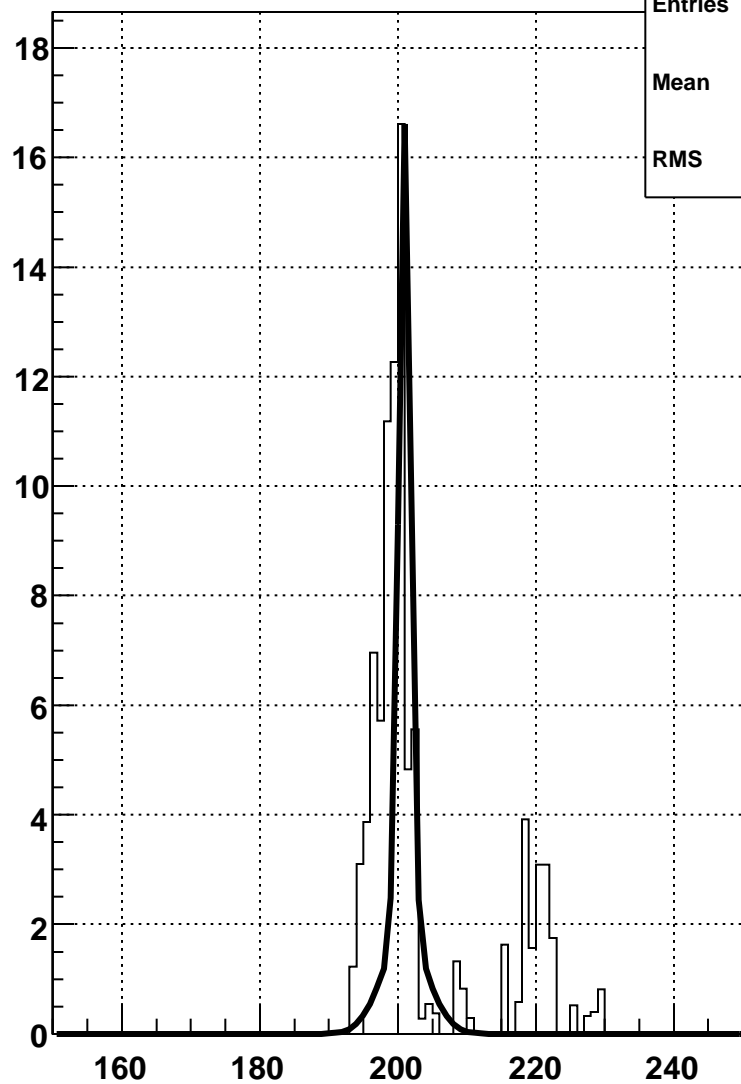
Entries	24
Mean	98.76
RMS	5.062



$p_T=6.3$  GeV,  $E=13.3$  GeV

**hSmdv**

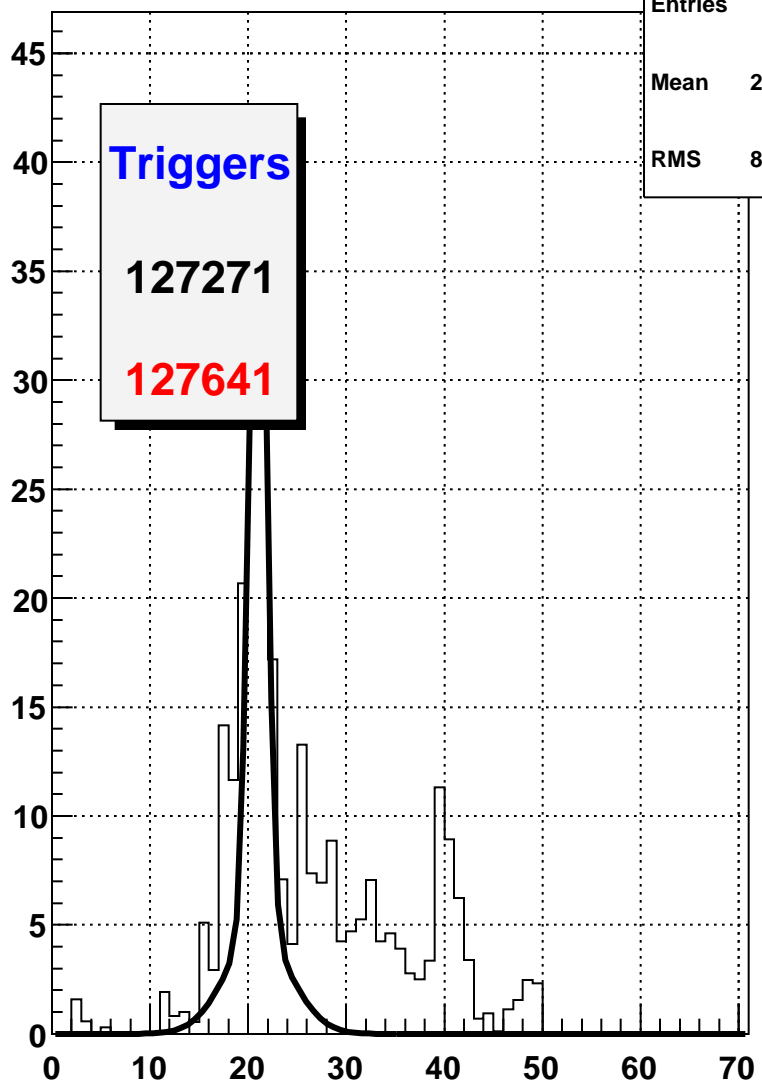
Entries	30
Mean	203.4
RMS	8.913



Run=7099047, Event=25277

**hSmdu**

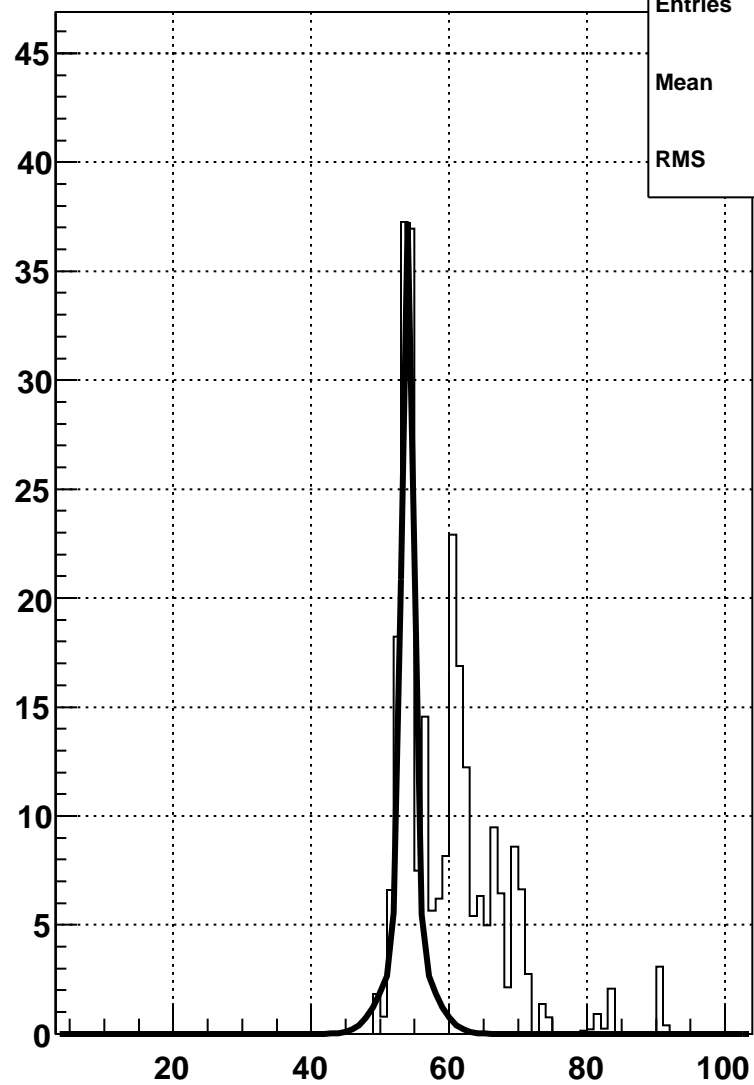
Entries	42
Mean	25.83
RMS	8.565



$p_T=8.8$  GeV,  $E=26.4$  GeV

**hSmdv**

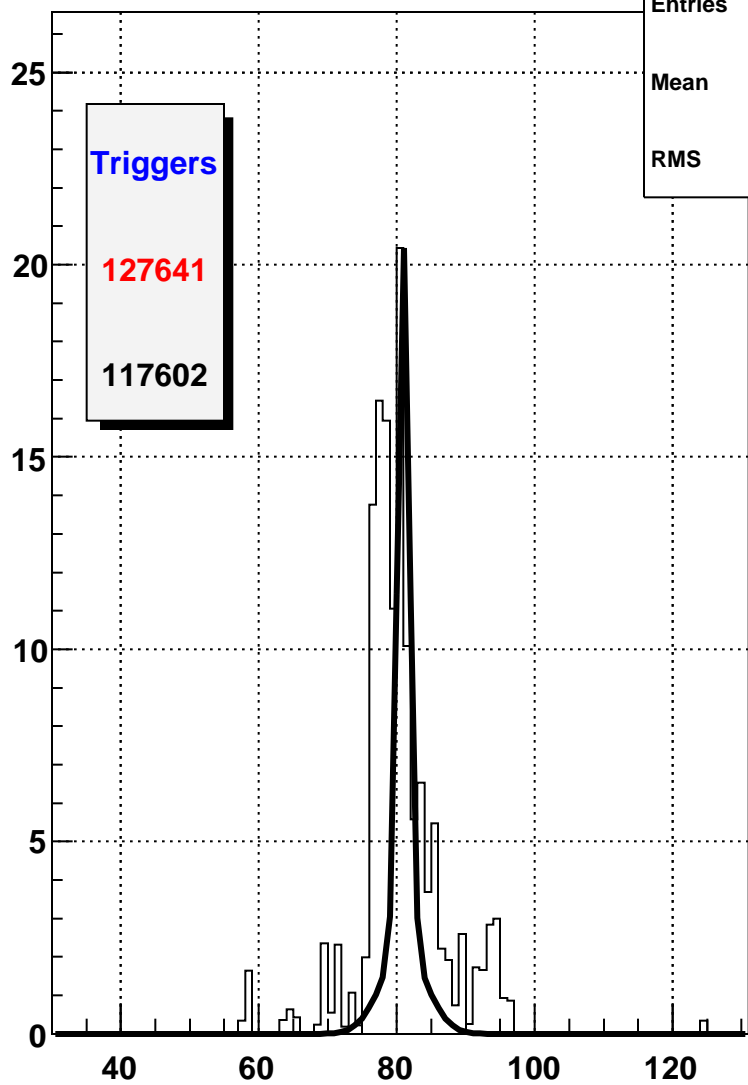
Entries	32
Mean	59.58
RMS	7.252



Run=7099047, Event=27089

**hSmdu**

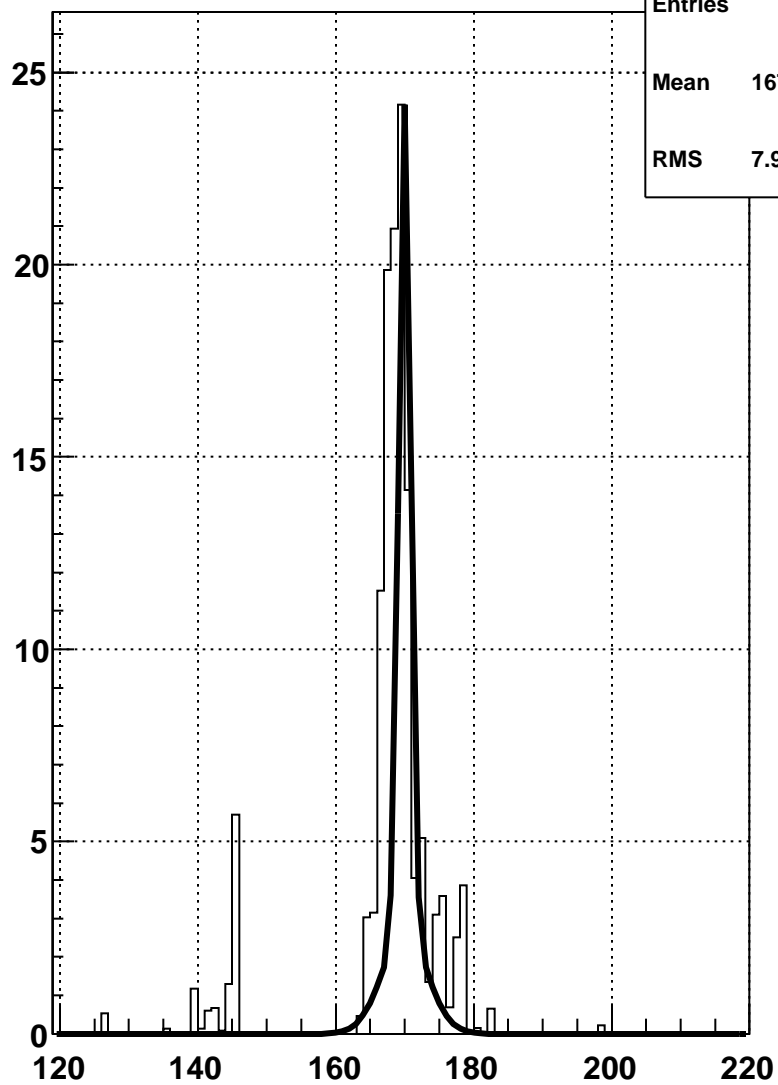
Entries	35
Mean	80.59
RMS	6.441



$p_T=7.5$  GeV,  $E=11.2$  GeV

**hSmdv**

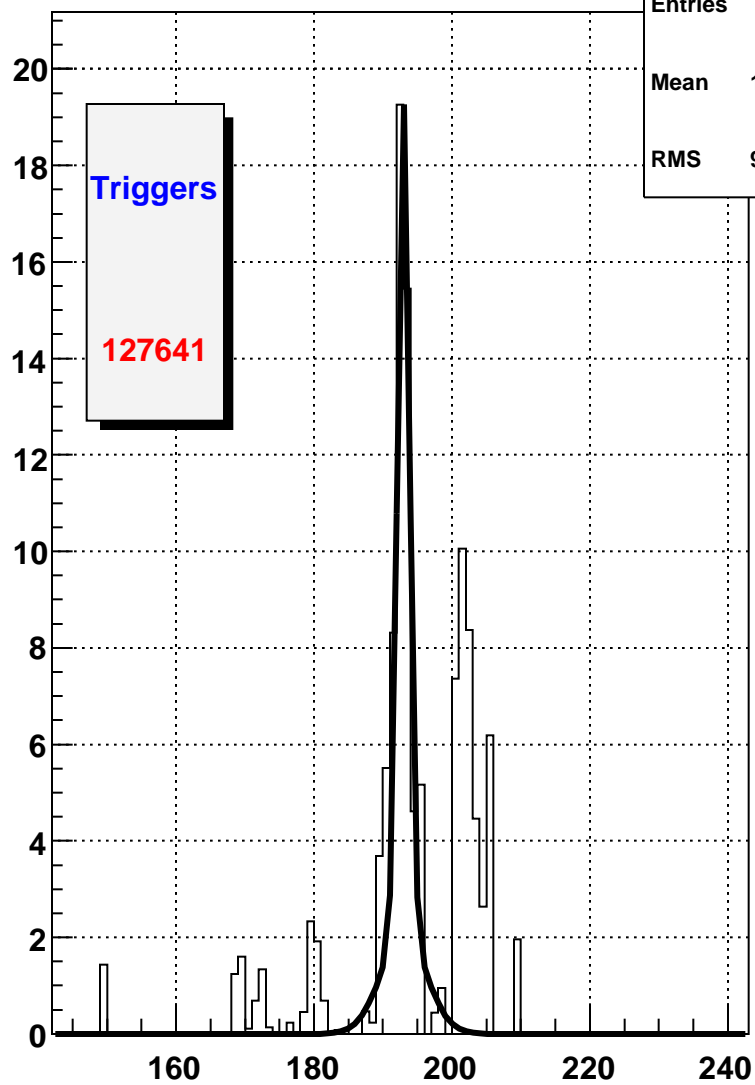
Entries	29
Mean	167.7
RMS	7.977



Run=7099047, Event=27611

**hSmdu**

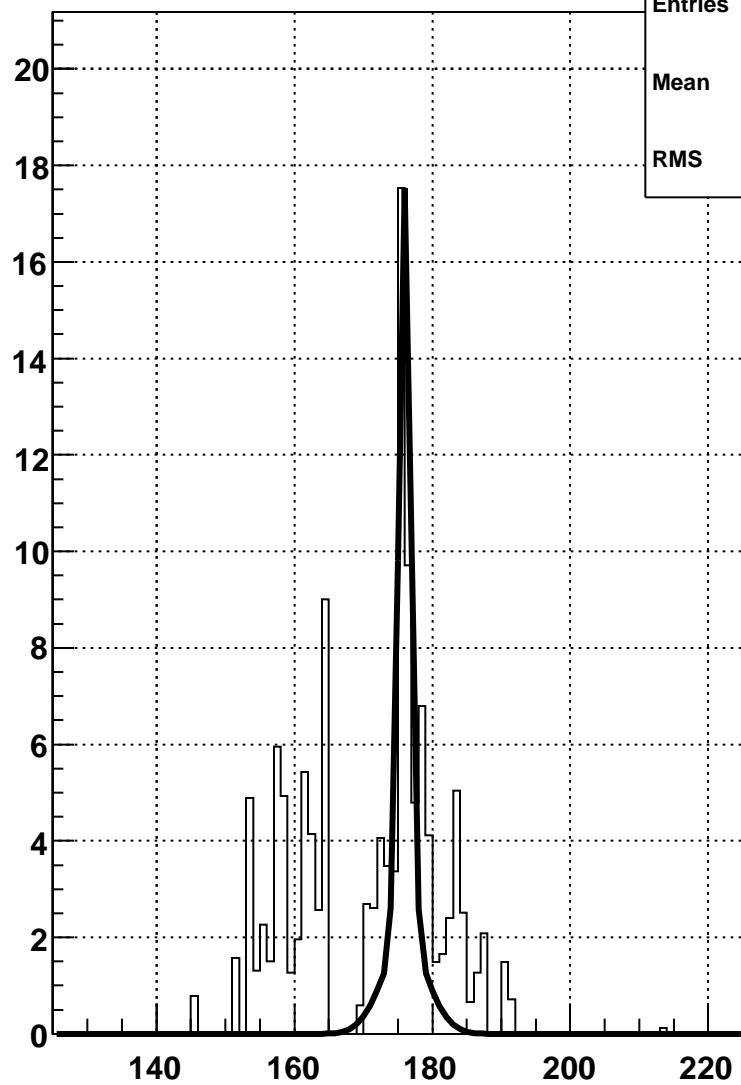
Entries	31
Mean	194.2
RMS	9.505



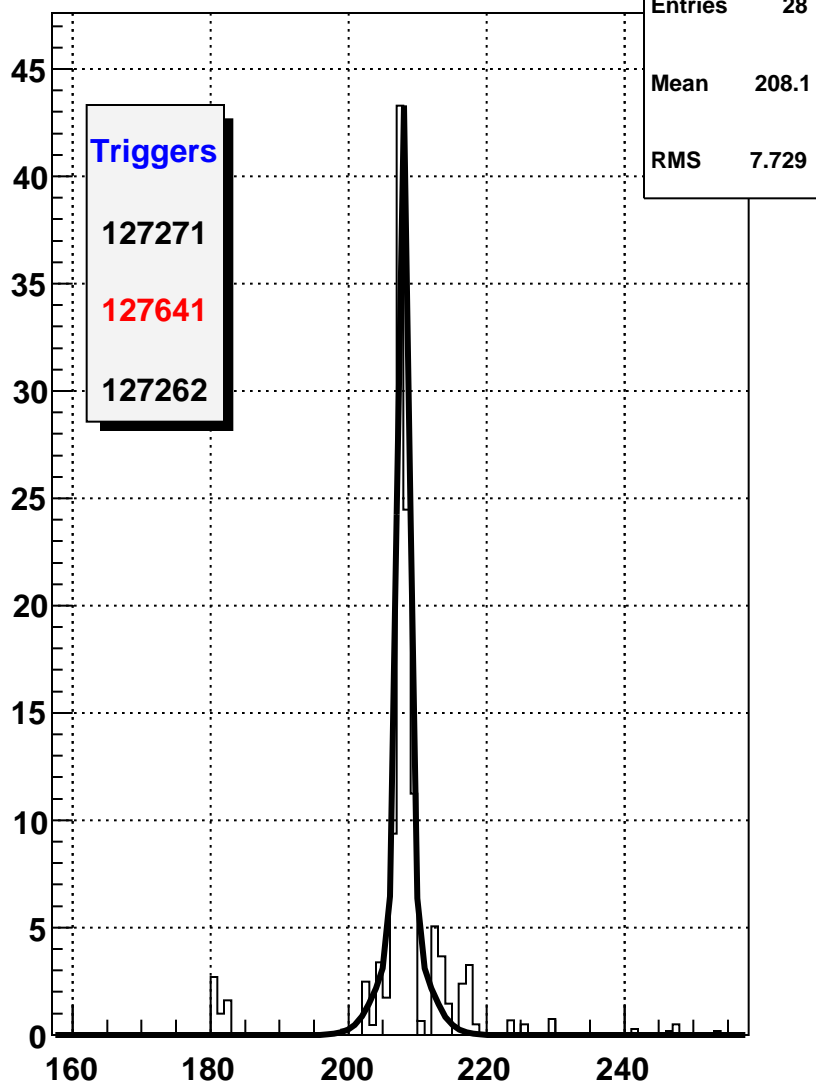
$p_T=5.3$  GeV,  $E=10.8$  GeV

**hSmdv**

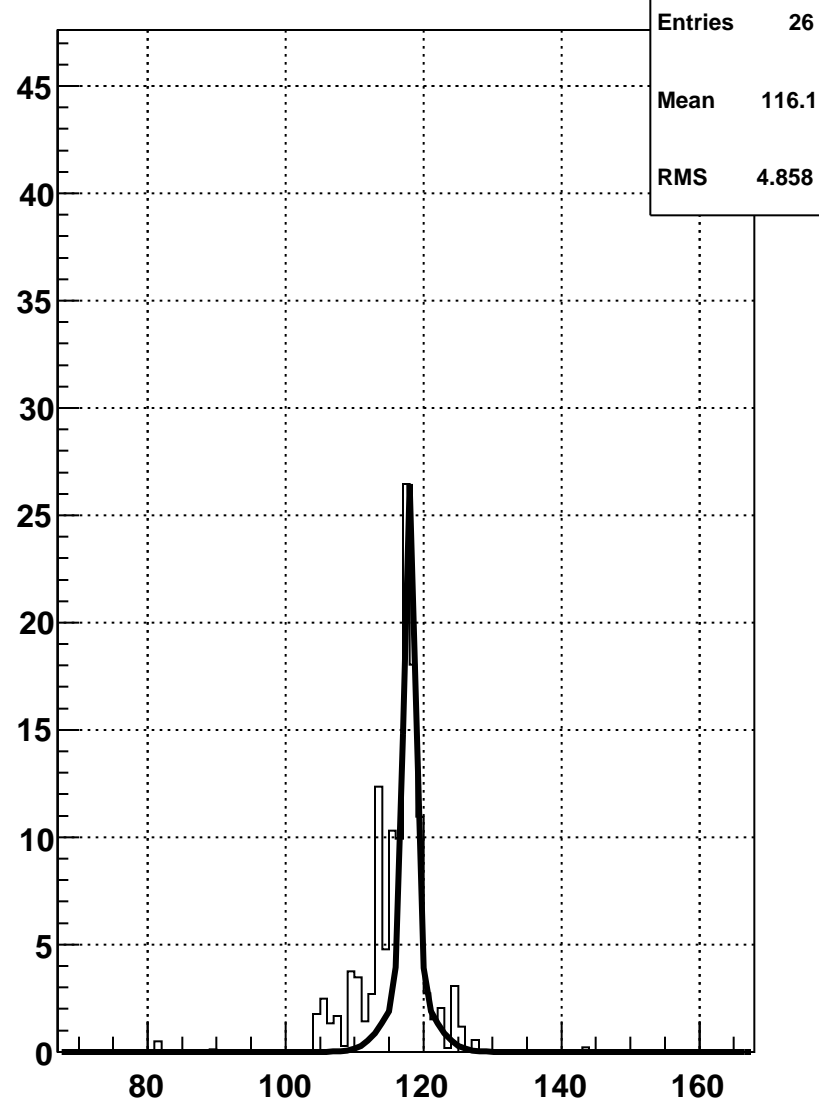
Entries	36
Mean	170.9
RMS	10.11



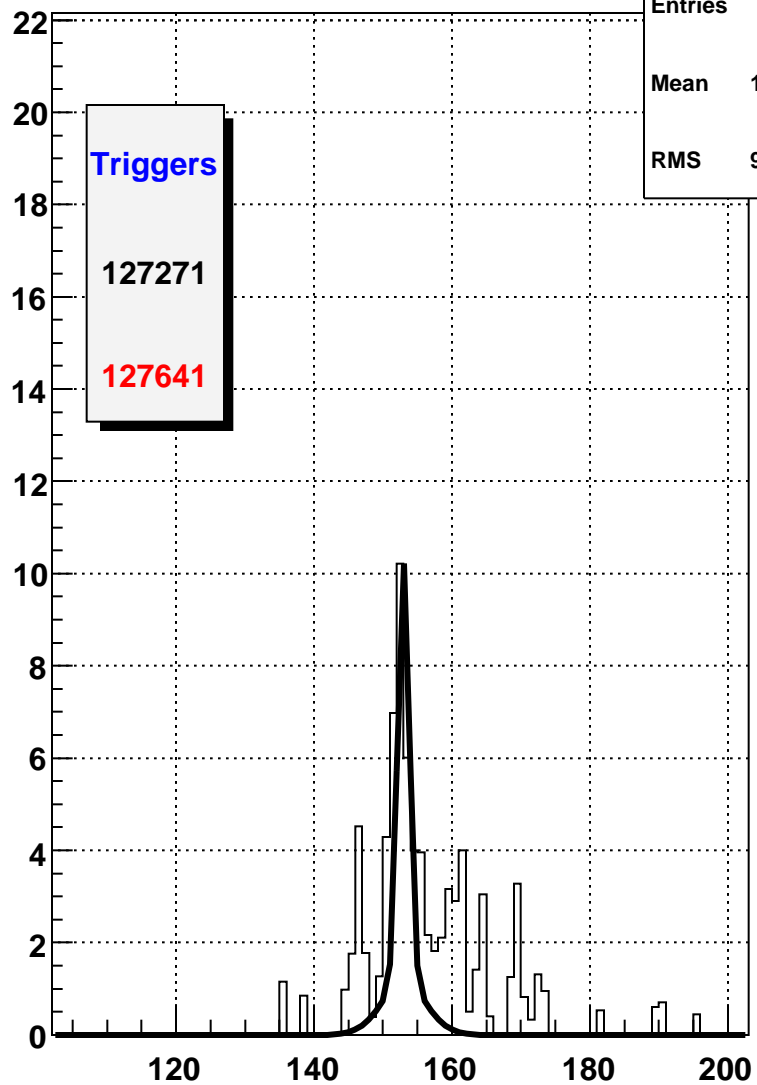
Run=7099047, Event=27992



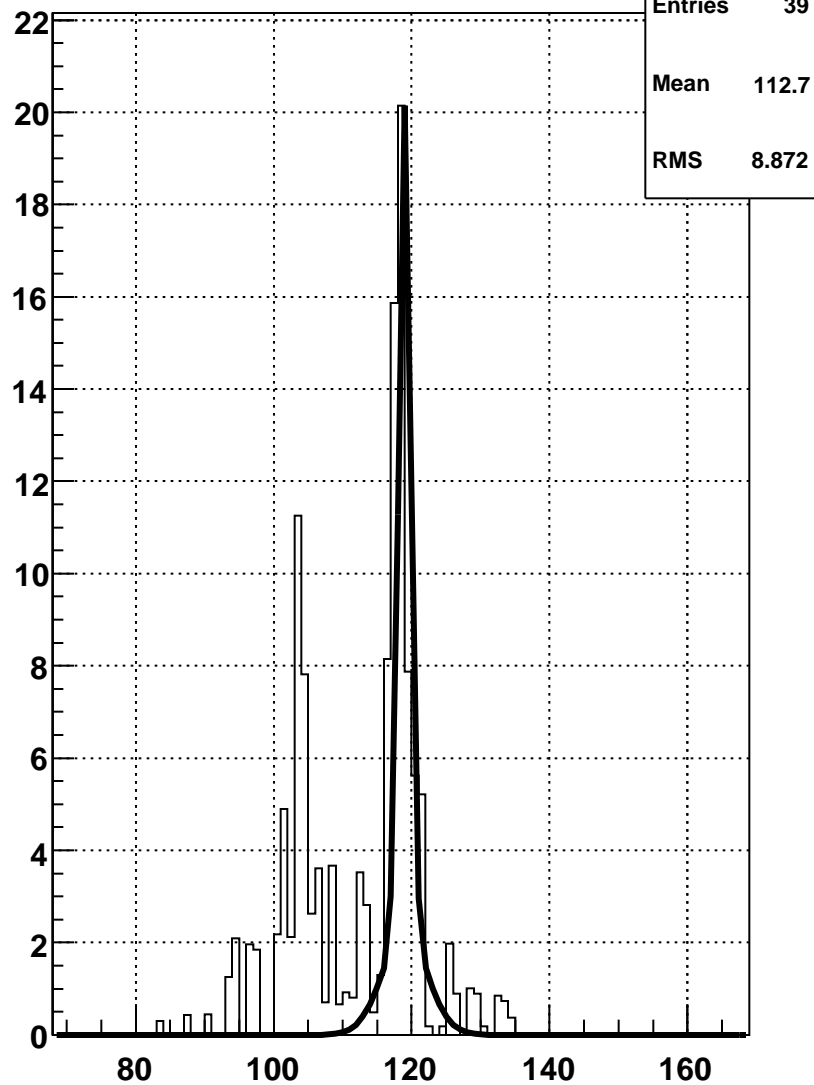
$p_T=5.7$  GeV,  $E=12.2$  GeV



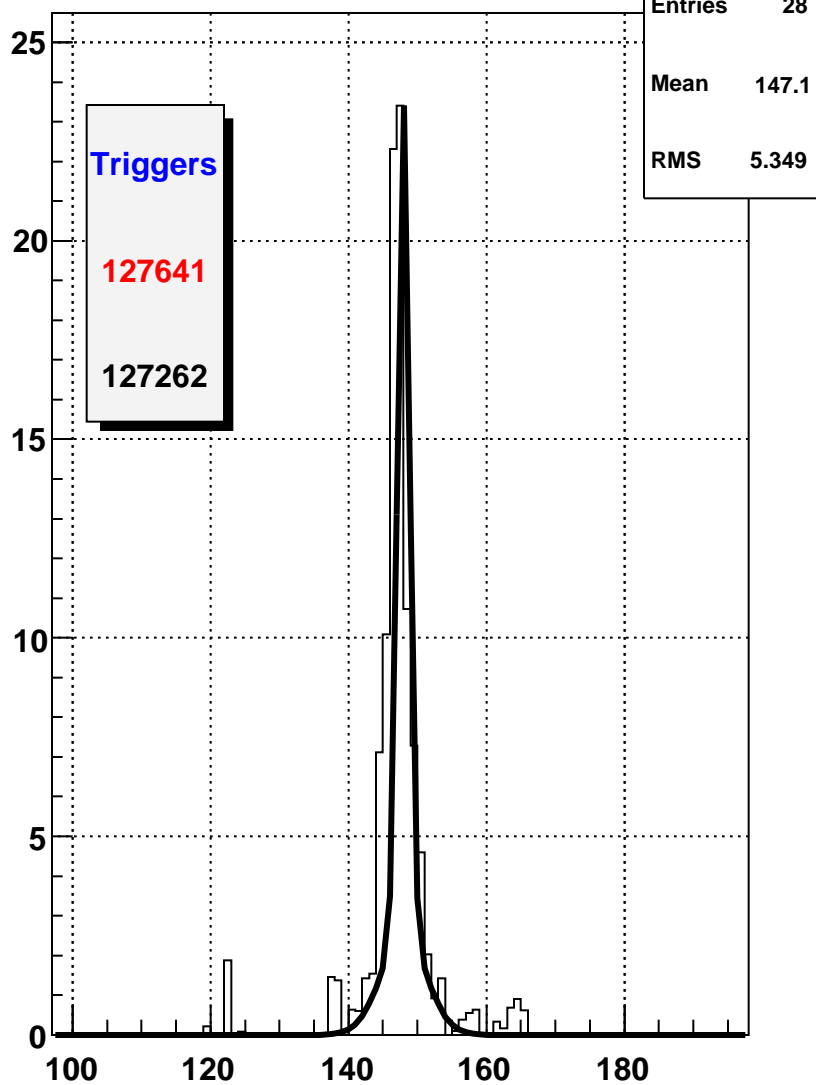
Run=7099047, Event=28136



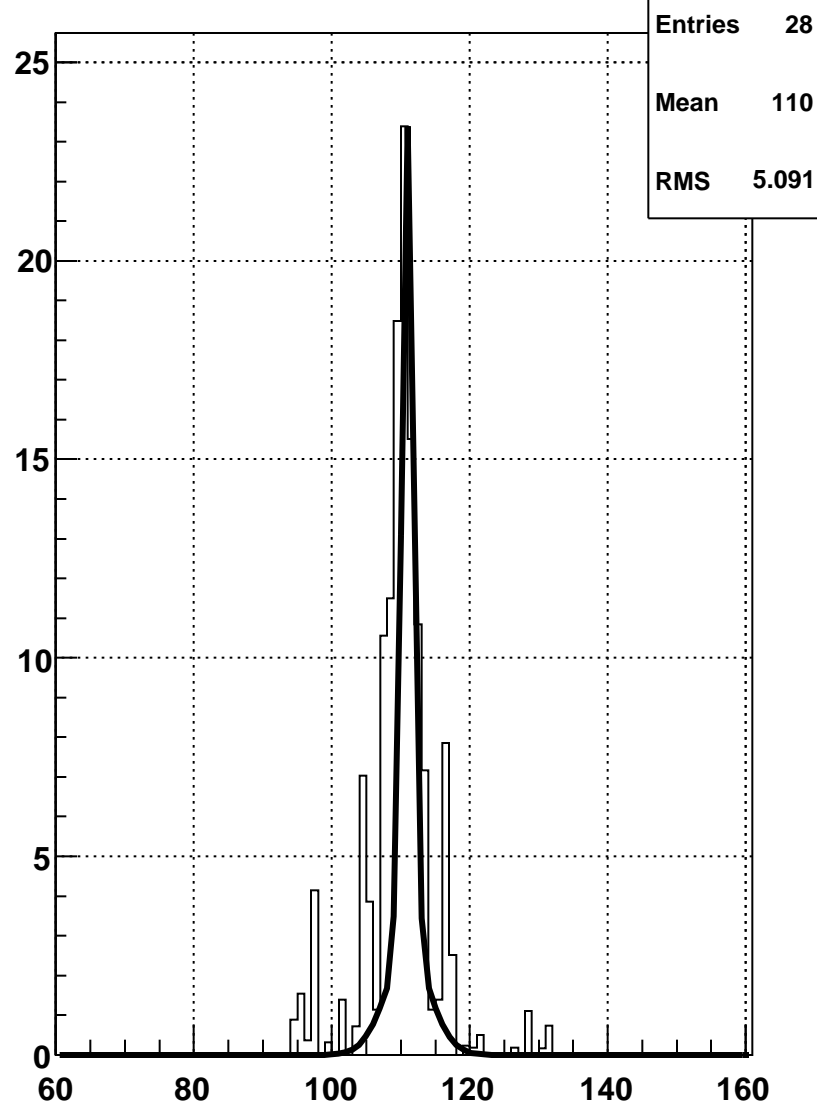
$p_T=5.0$  GeV,  $E=10.5$  GeV



Run=7099047, Event=29356



$p_T=5.3$  GeV,  $E=14.2$  GeV

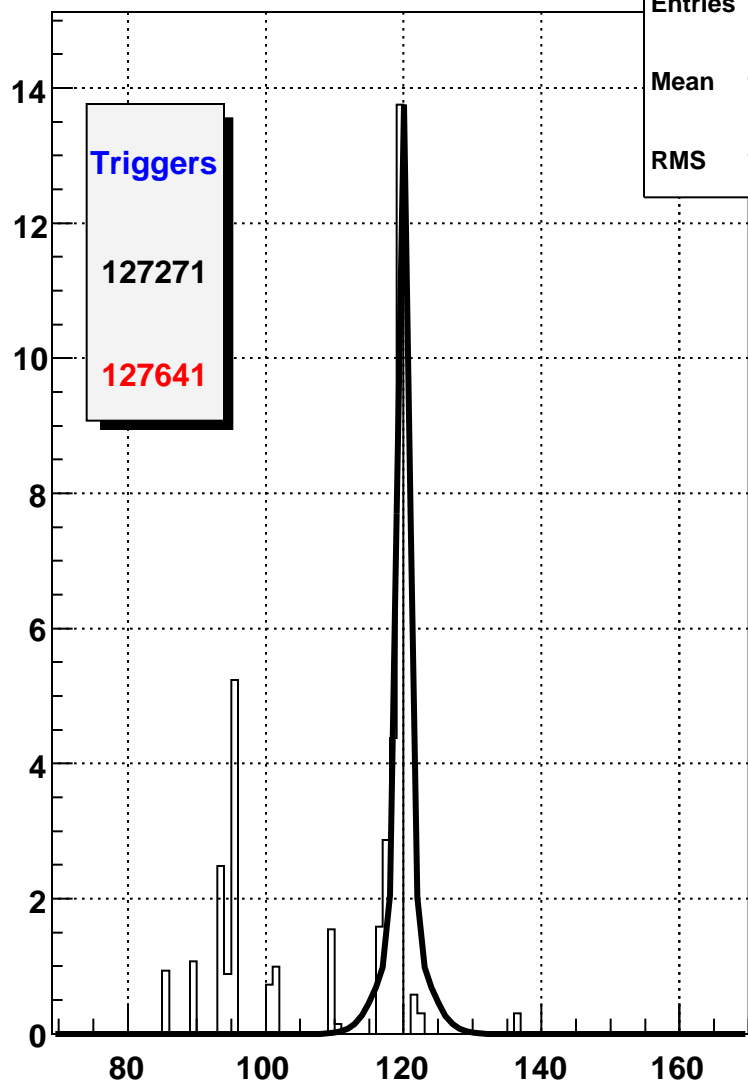




Run=7099047, Event=29888

**hSmdu**

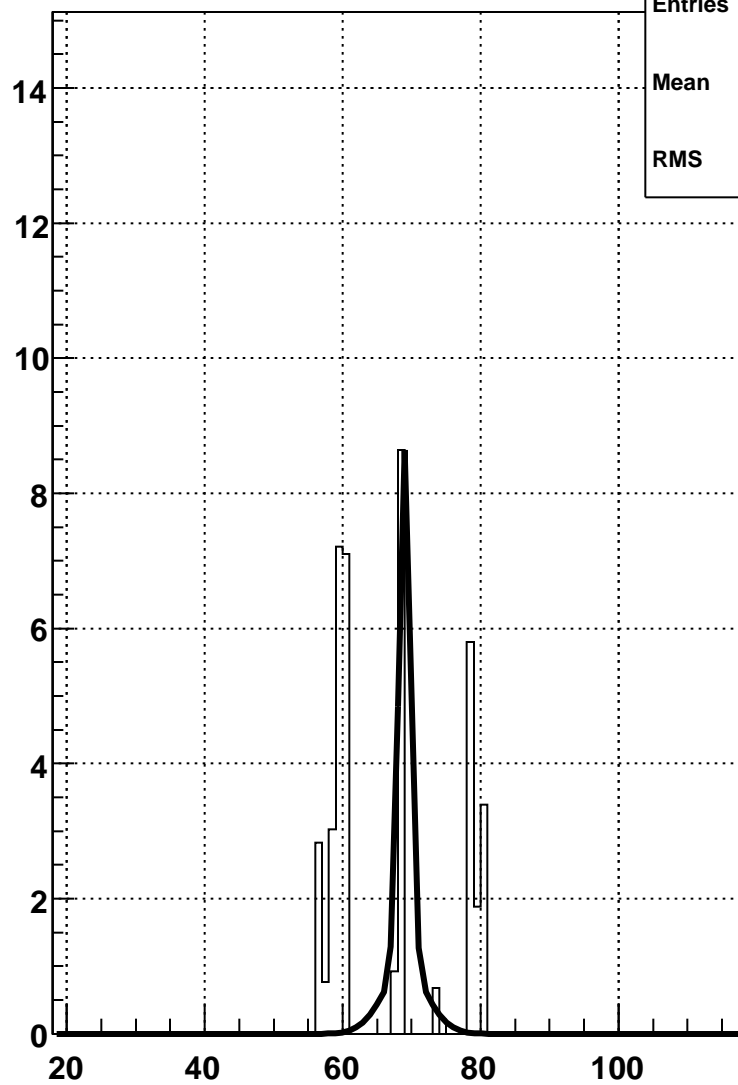
Entries	16
Mean	110.7
RMS	11.78



$p_T=6.5$  GeV,  $E=18.5$  GeV

**hSmdv**

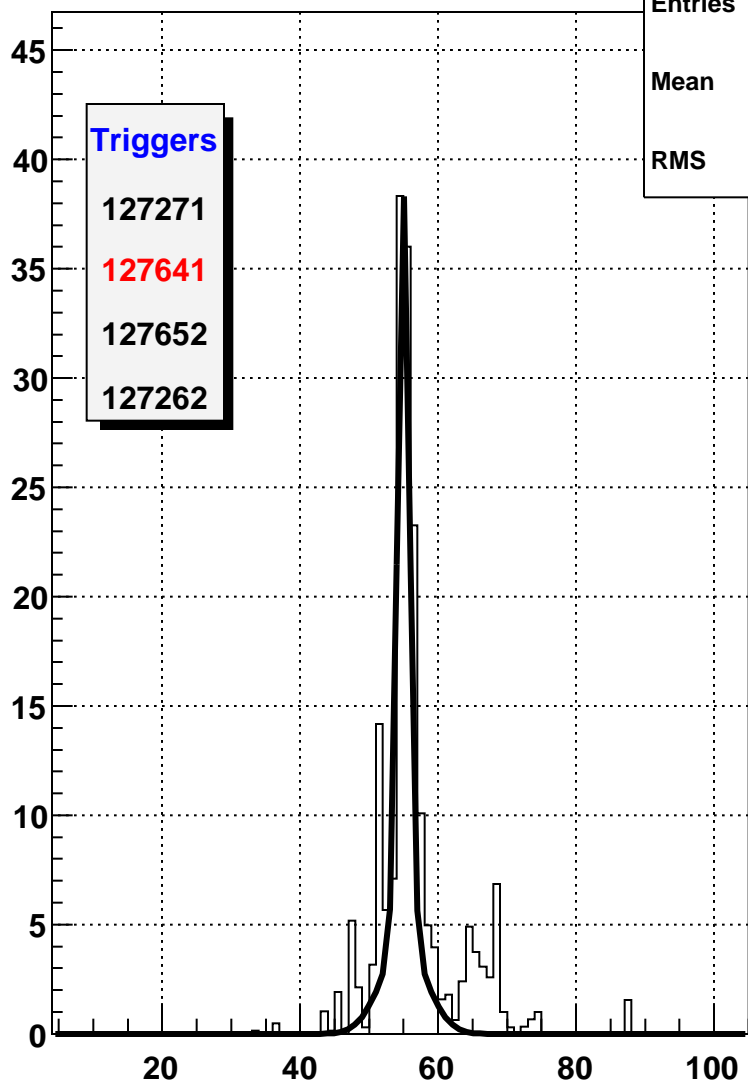
Entries	11
Mean	66.78
RMS	8.469



Run=7099046, Event=41387

**hSmdu**

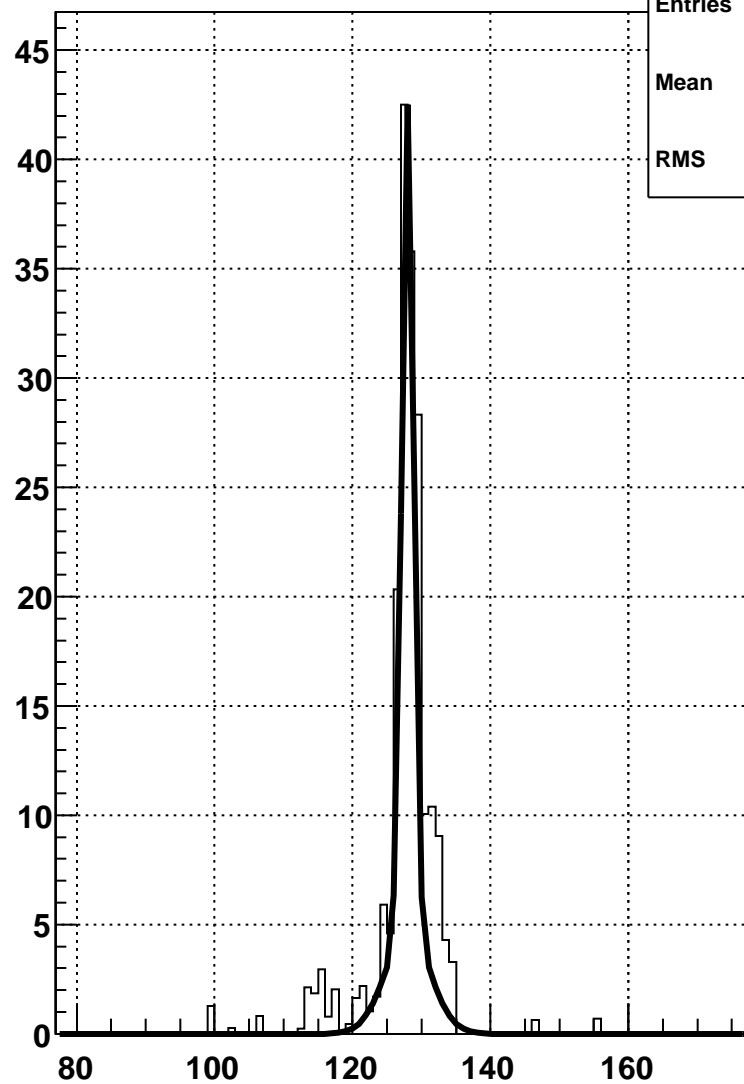
Entries	34
Mean	56.6
RMS	6.031



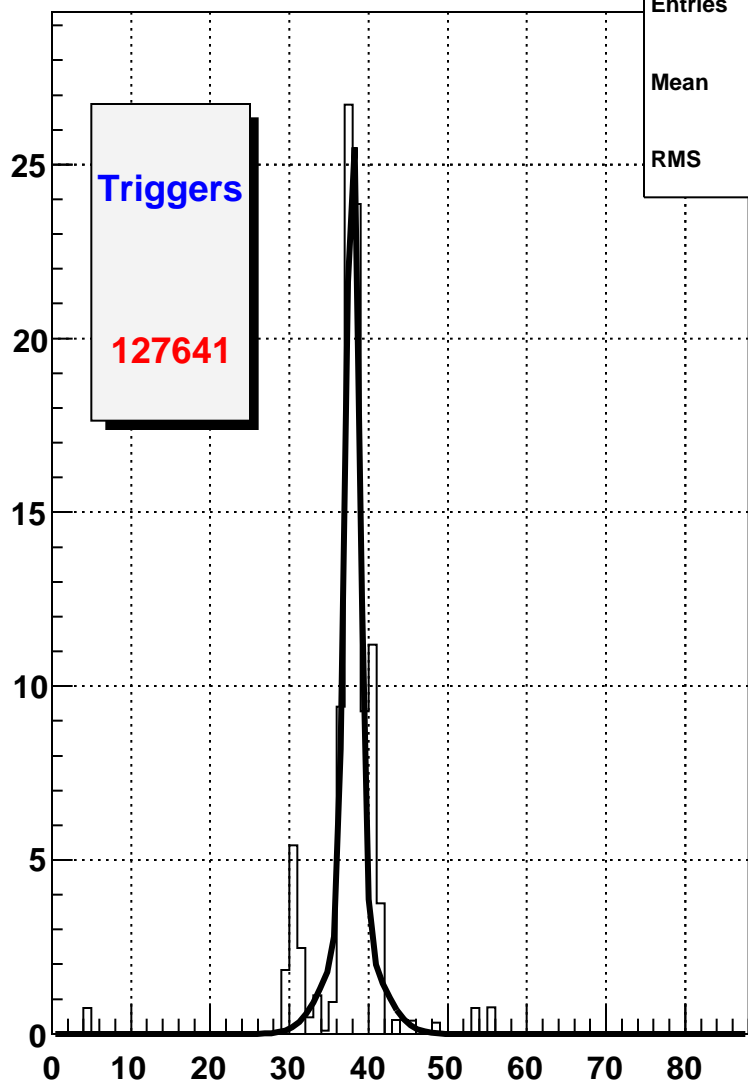
$p_T=5.6$  GeV,  $E=15.7$  GeV

**hSmdv**

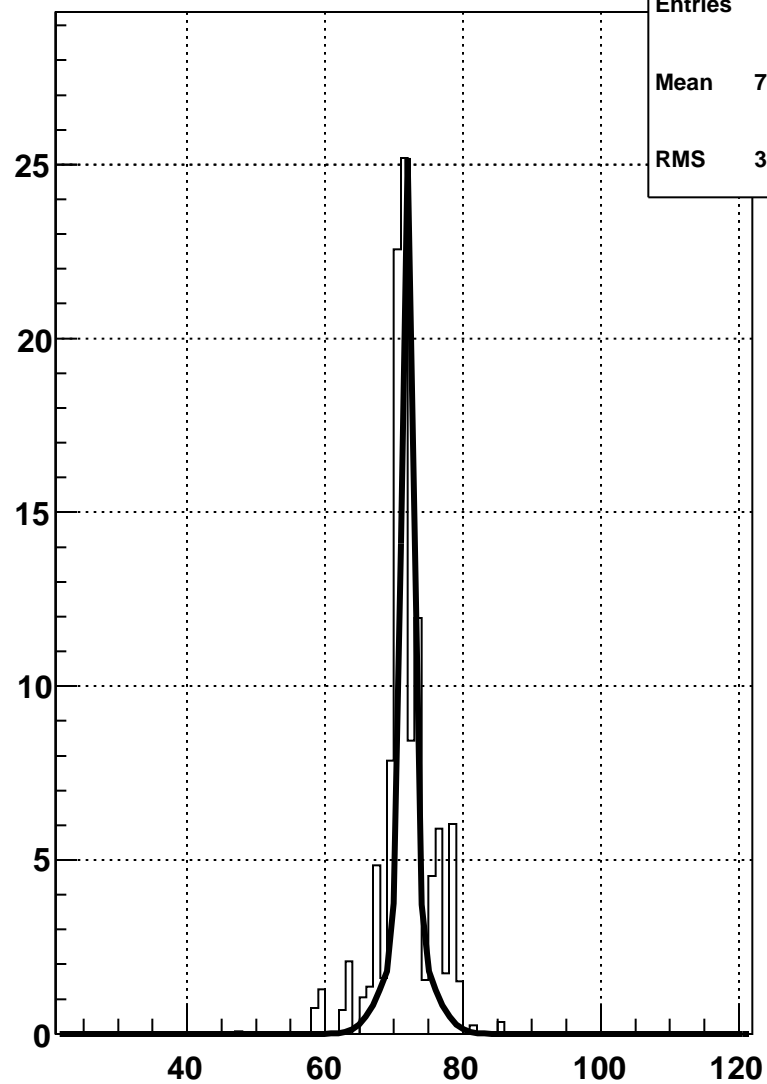
Entries	27
Mean	127.6
RMS	5.117



Run=7099046, Event=41884



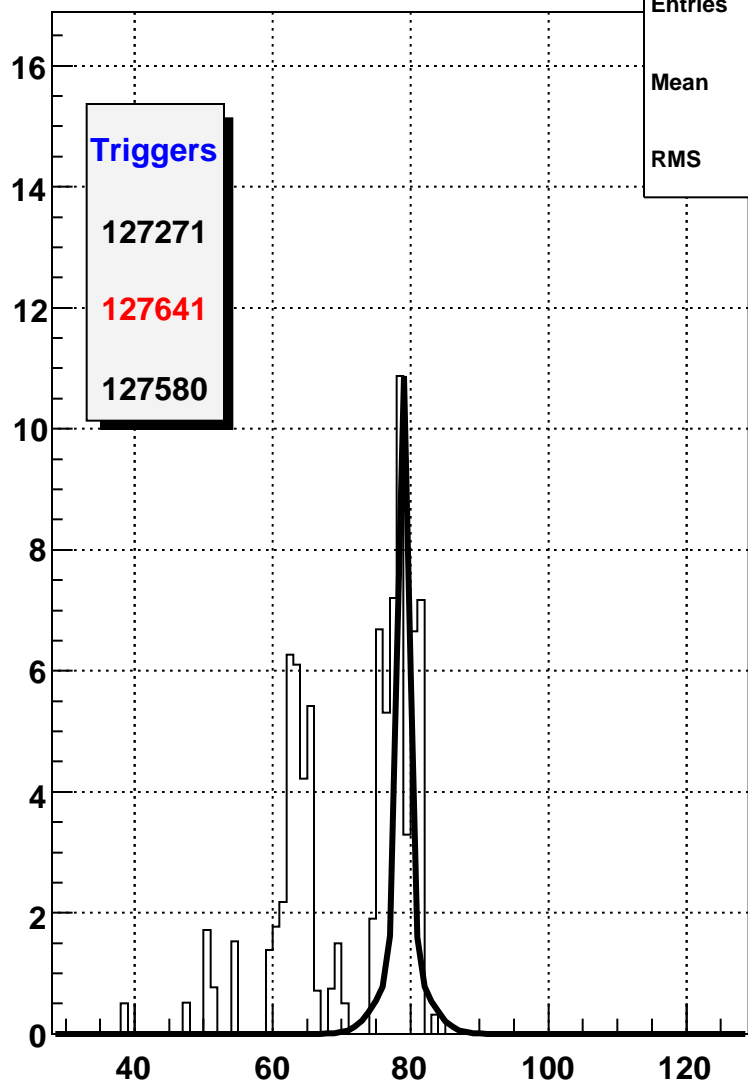
$p_T=7.8$  GeV,  $E=17.1$  GeV



Run=7099046, Event=42541

**hSmdu**

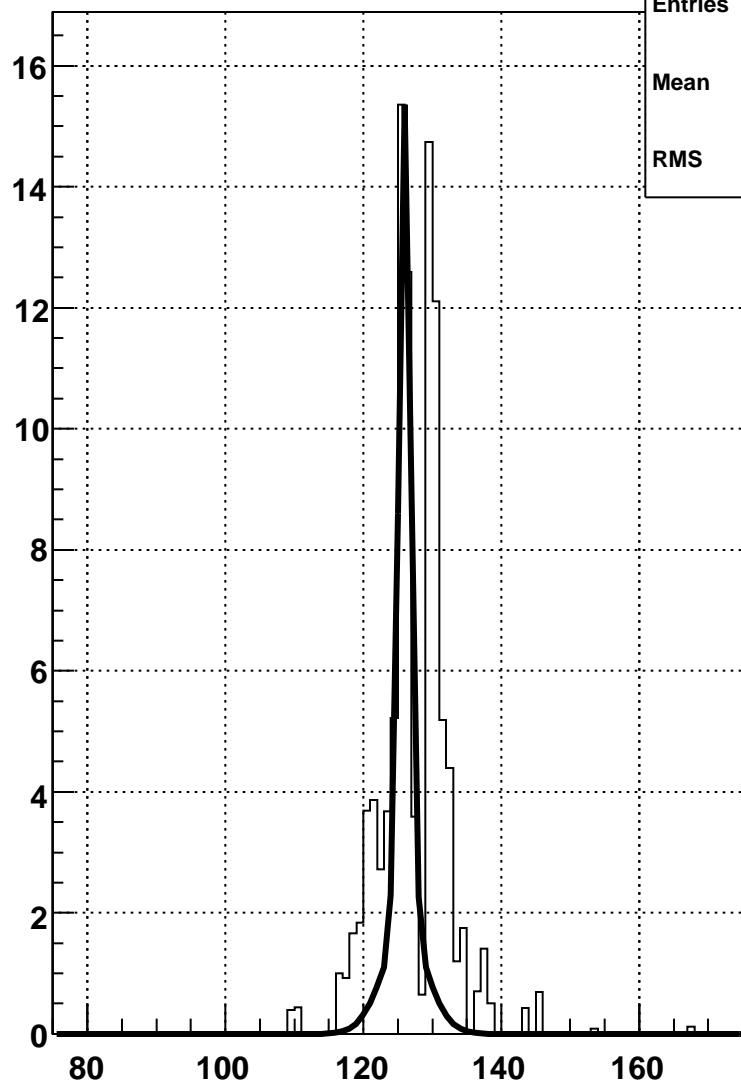
Entries	25
Mean	71.49
RMS	8.979



$p_T=5.1$  GeV,  $E=14.6$  GeV

**hSmdv**

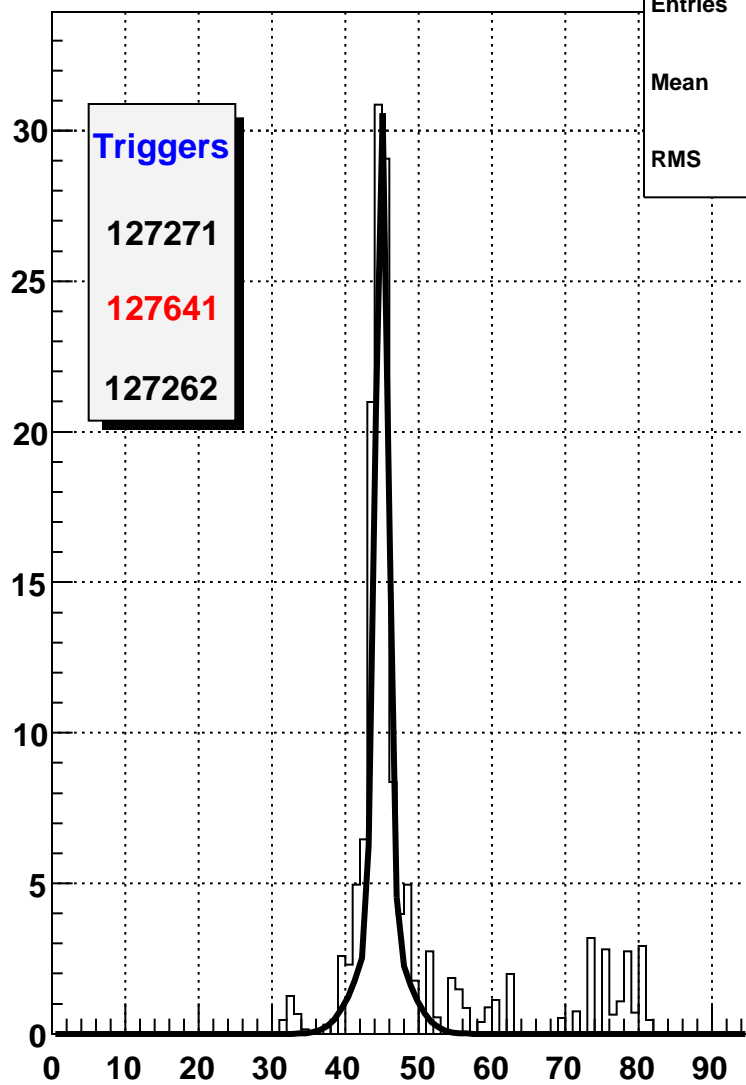
Entries	28
Mean	127.3
RMS	5.099



Run=7099046, Event=42559

**hSmdu**

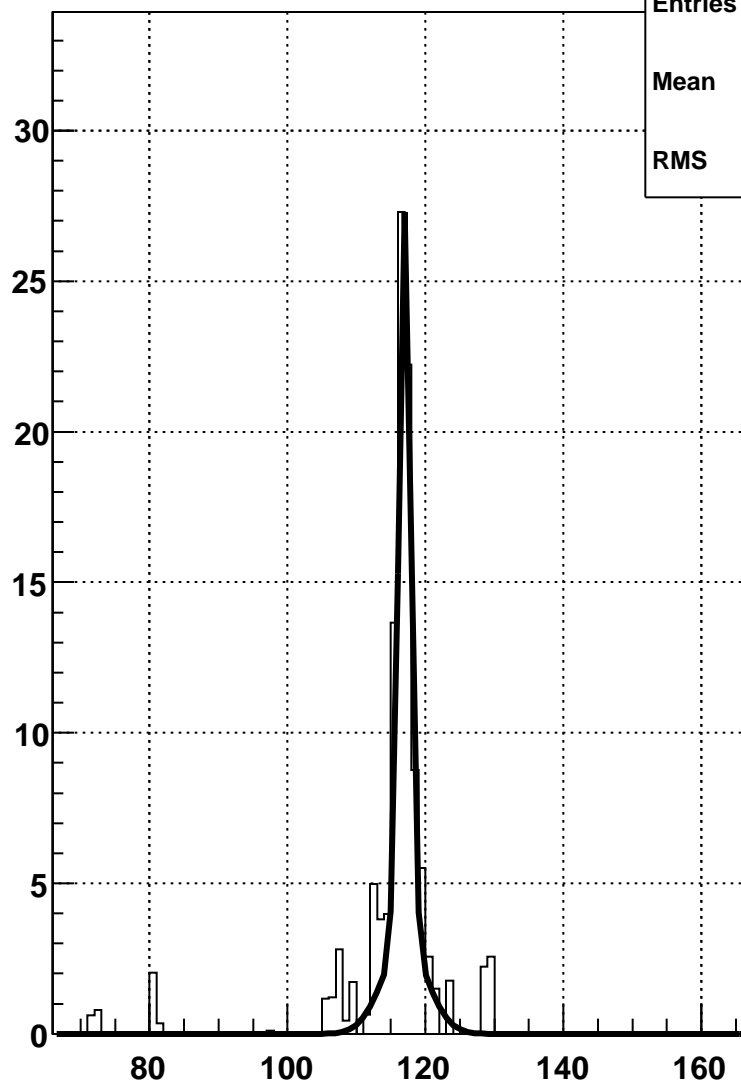
Entries	45
Mean	48.82
RMS	10.58



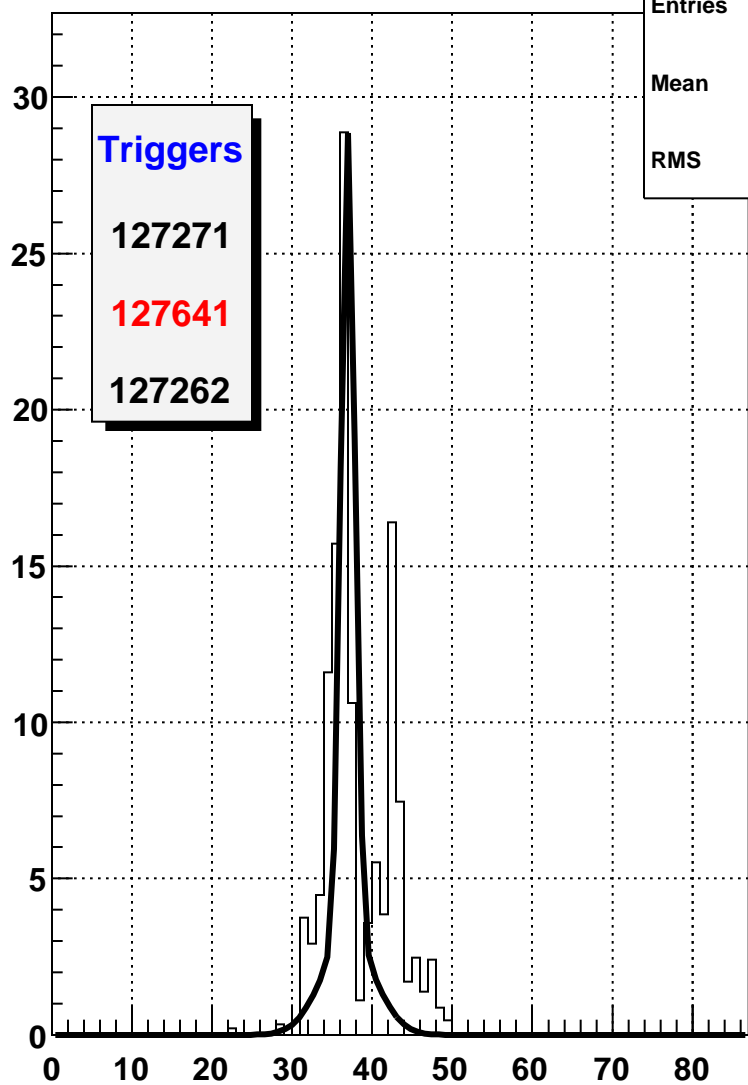
$p_T=5.7$  GeV,  $E=18.7$  GeV

**hSmdv**

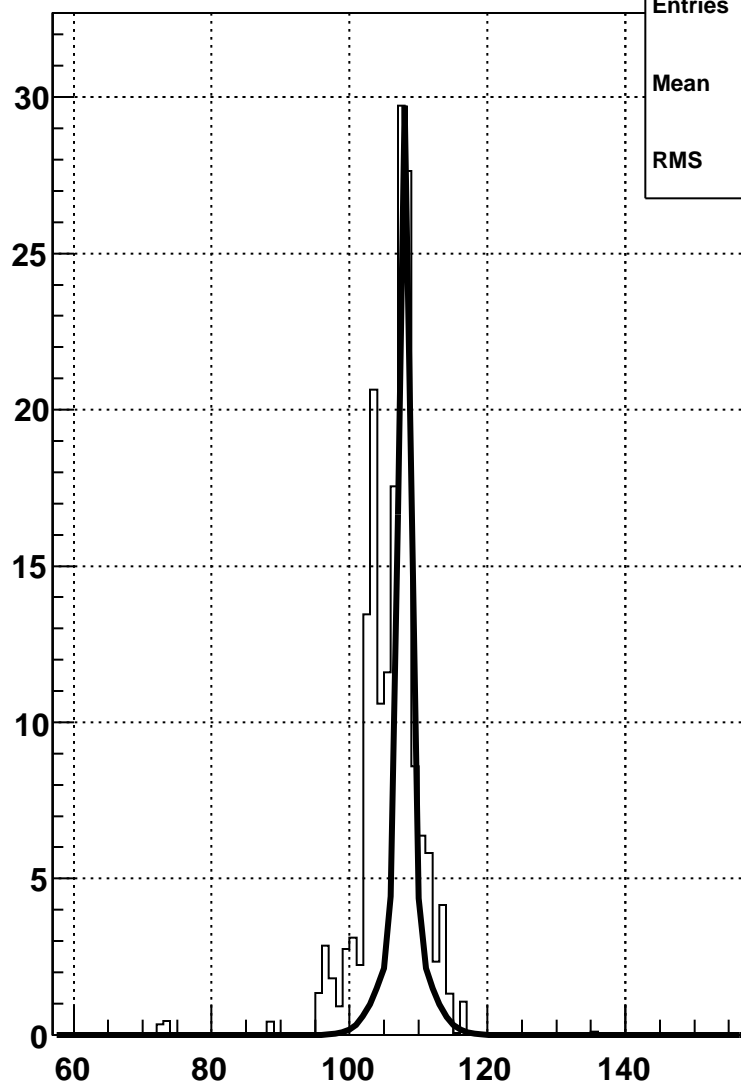
Entries	30
Mean	115.4
RMS	8.171



Run=7099046, Event=42744



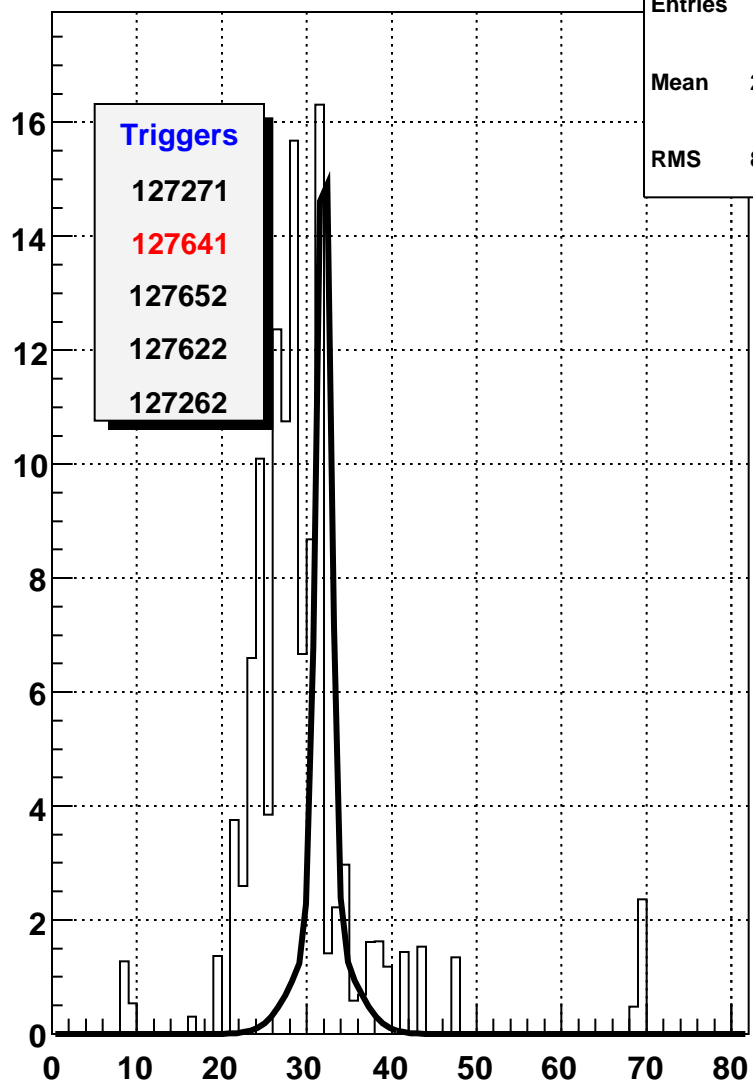
$p_T=7.0$  GeV,  $E=22.1$  GeV



Run=7099046, Event=43212

**hSmdu**

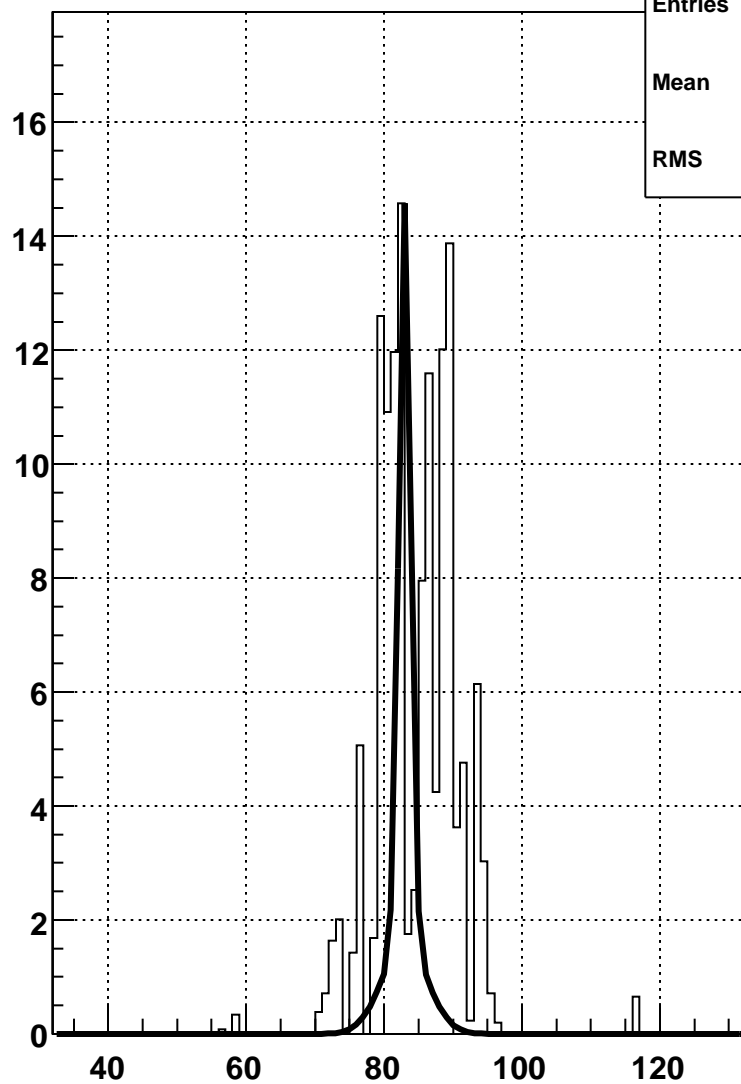
Entries	28
Mean	29.58
RMS	8.205



$p_T=6.2$  GeV,  $E=17.9$  GeV

**hSmdv**

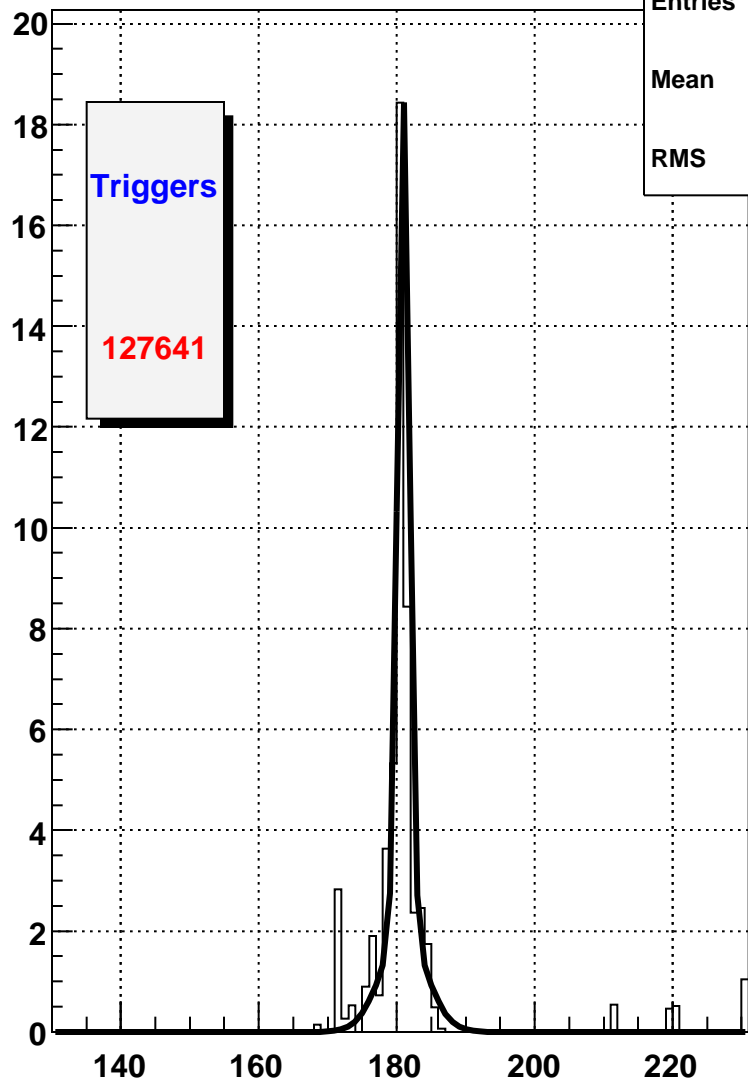
Entries	28
Mean	84.72
RMS	5.87



Run=7099046, Event=43976

**hSmdu**

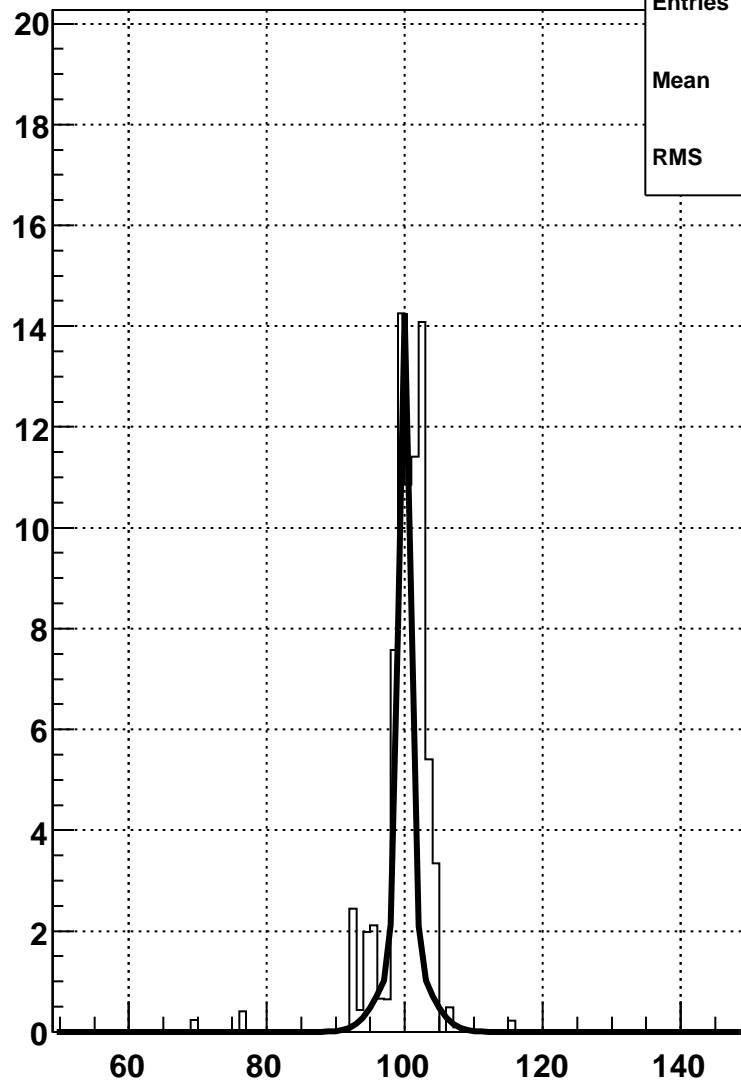
Entries	24
Mean	182
RMS	9.73



$p_T=5.2$  GeV,  $E=12.2$  GeV

**hSmdv**

Entries	25
Mean	100.2
RMS	3.711

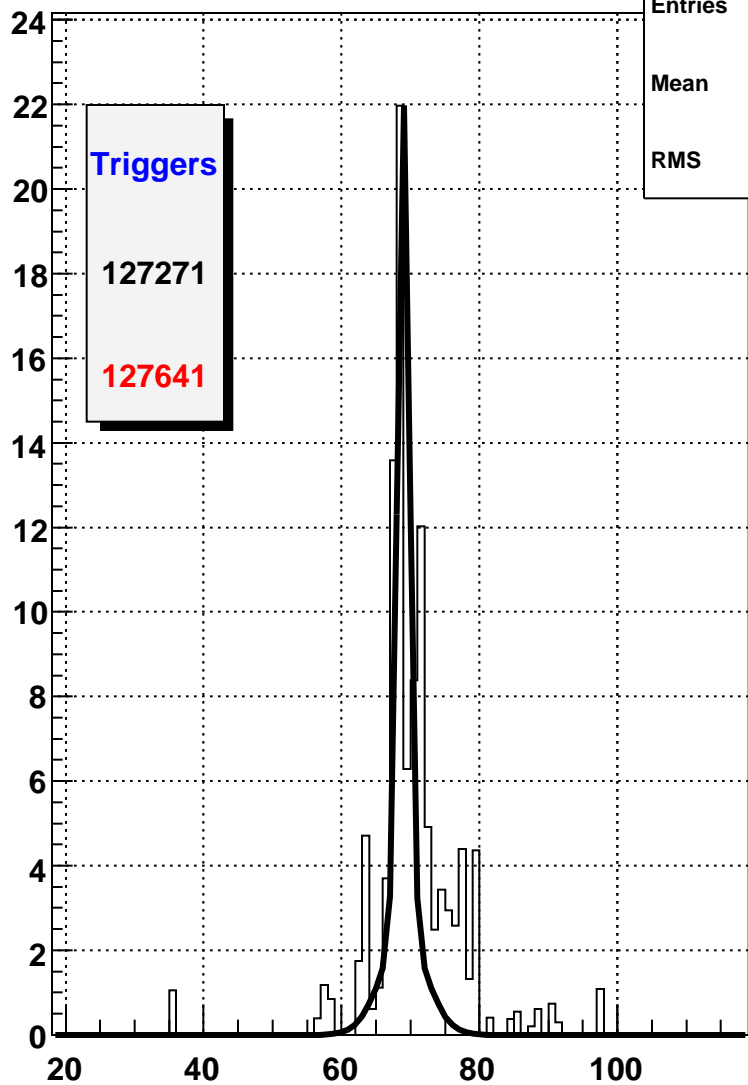




Run=7099046, Event=45098

**hSmdu**

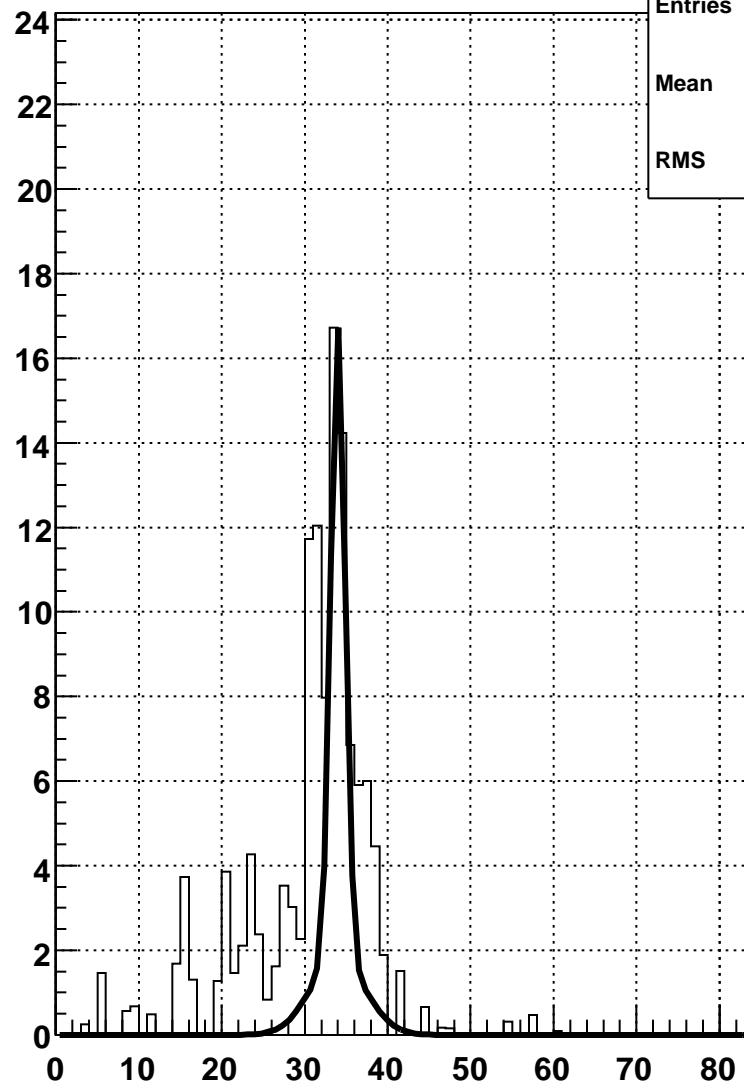
Entries 30  
Mean 70.56  
RMS 6.801



$p_T=5.1$  GeV,  $E=20.7$  GeV

**hSmdv**

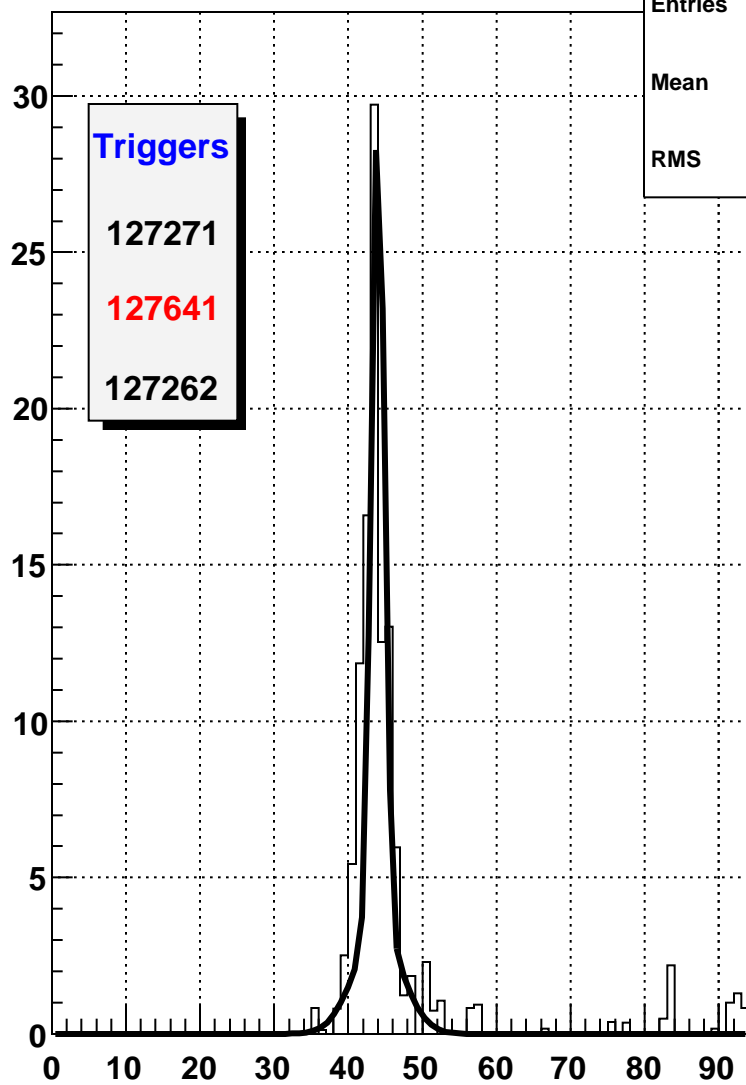
Entries 36  
Mean 30.63  
RMS 7.439



Run=7099046, Event=59068

**hSmdu**

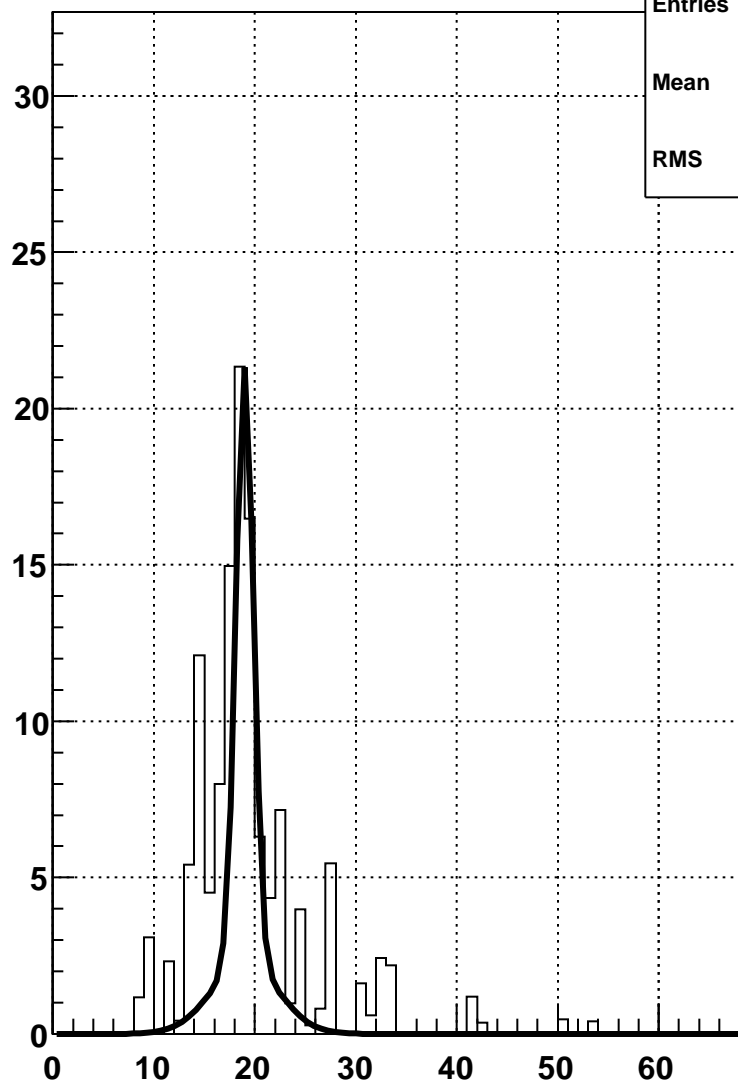
Entries	30
Mean	46.48
RMS	10.59



$p_T=7.4$  GeV,  $E=23.7$  GeV

**hSmdv**

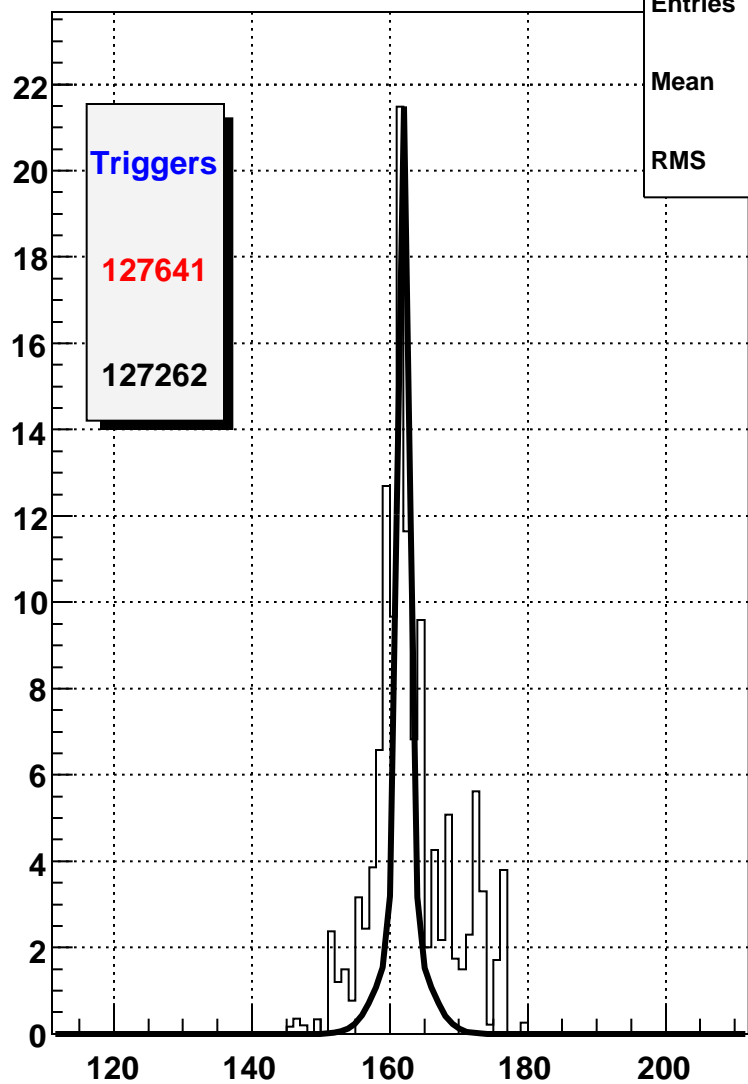
Entries	27
Mean	19.57
RMS	6.072



Run=7099046, Event=59460

**hSmdu**

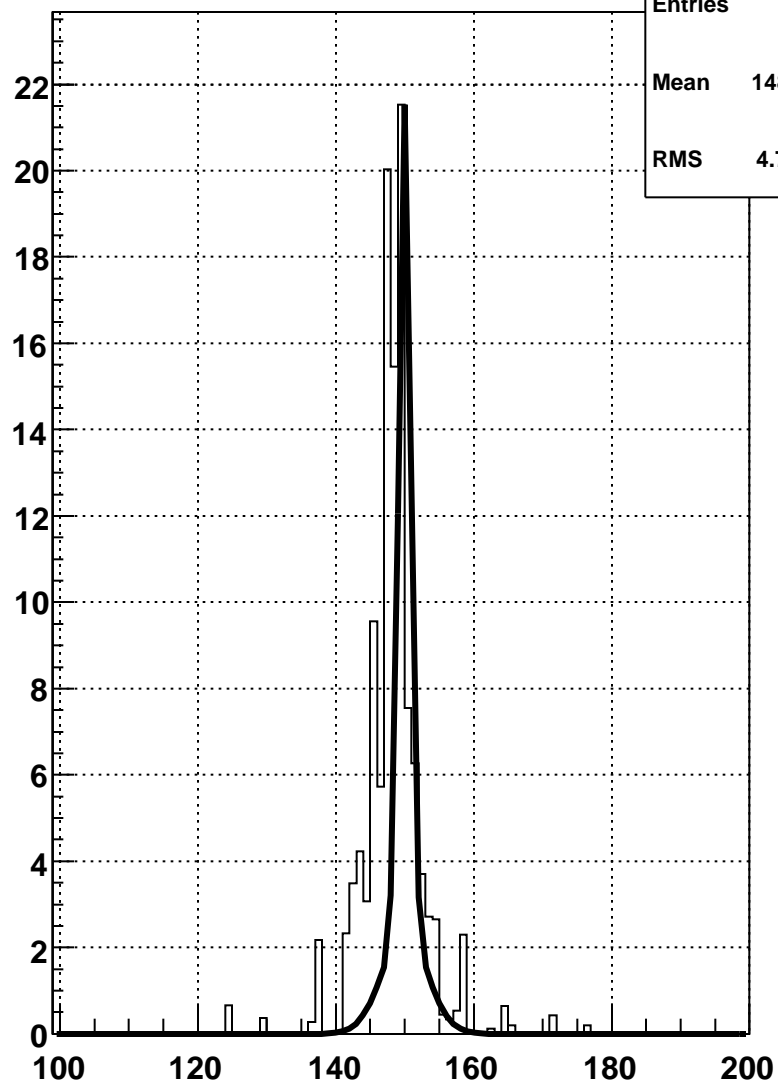
Entries	31
Mean	163.1
RMS	5.731



$p_T=7.2$  GeV,  $E=12.3$  GeV

**hSmdv**

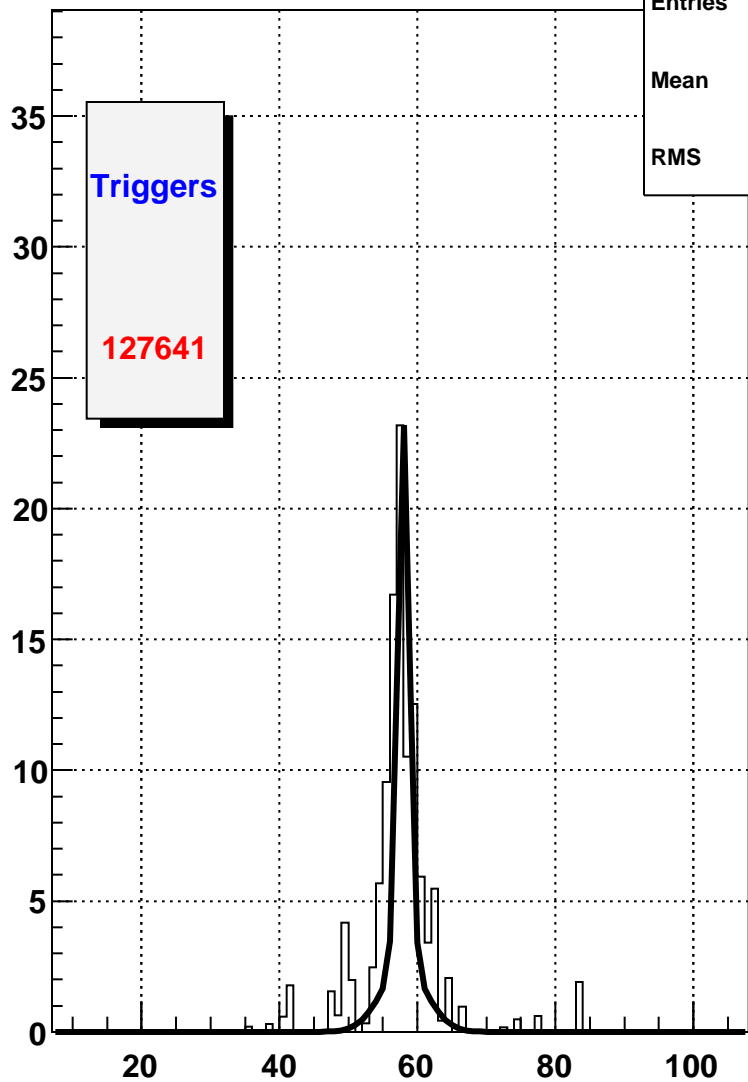
Entries	28
Mean	148.4
RMS	4.731



Run=7099046, Event=60052

**hSmdu**

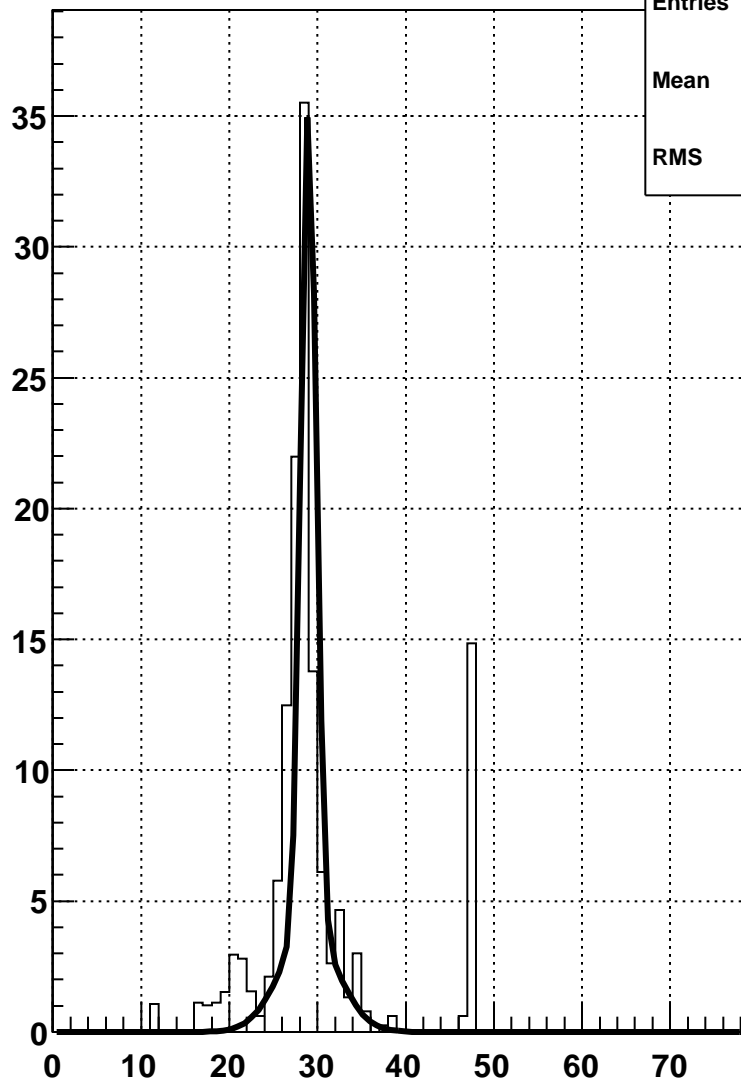
Entries	27
Mean	57.59
RMS	5.766



$p_T=5.1$  GeV,  $E=18.0$  GeV

**hSmdv**

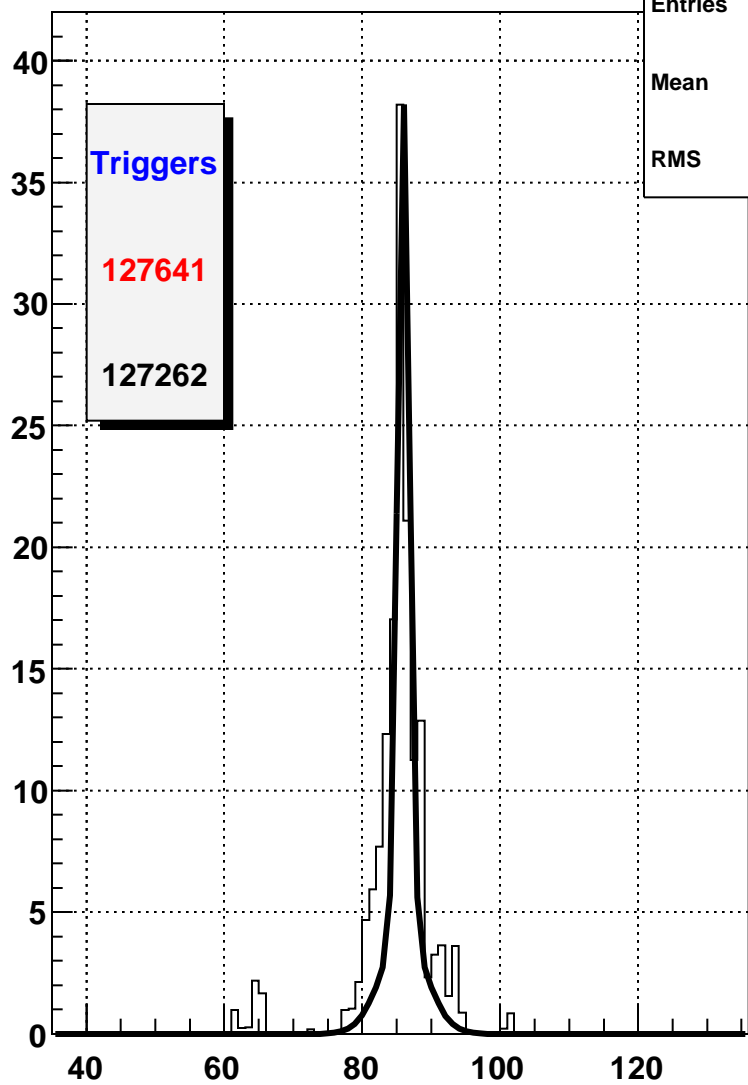
Entries	25
Mean	29.84
RMS	7.107



Run=7099046, Event=60810

**hSmdu**

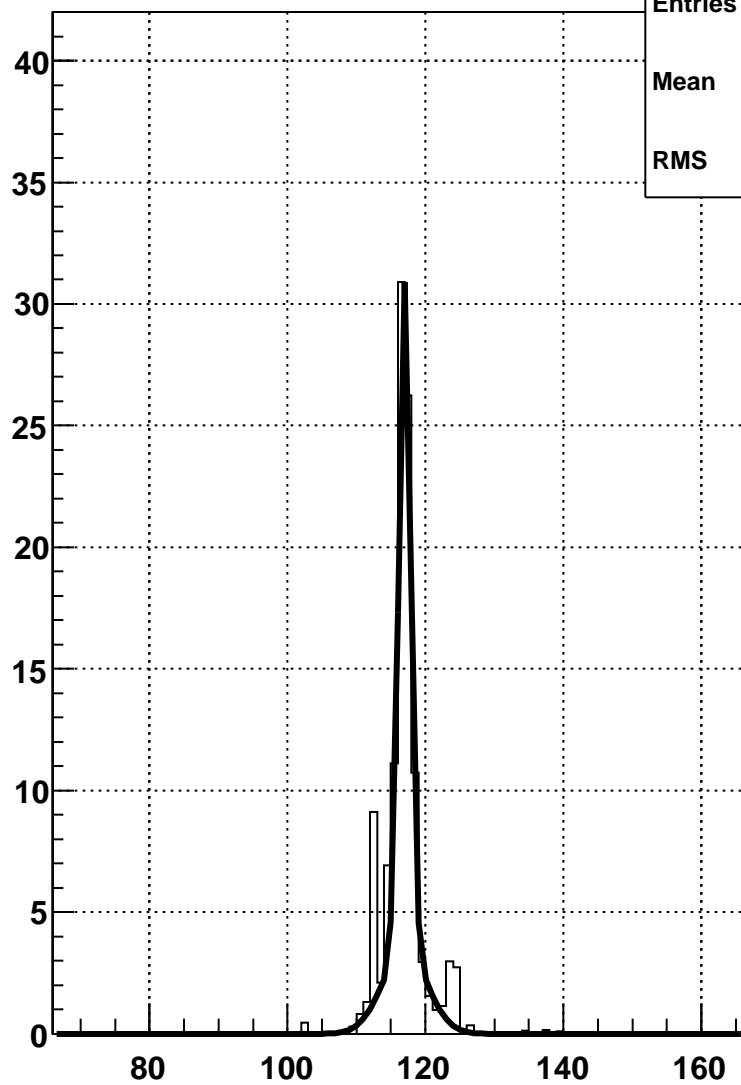
Entries	26
Mean	85.11
RMS	5.083



$p_T=5.1$  GeV,  $E=12.1$  GeV

**hSmdv**

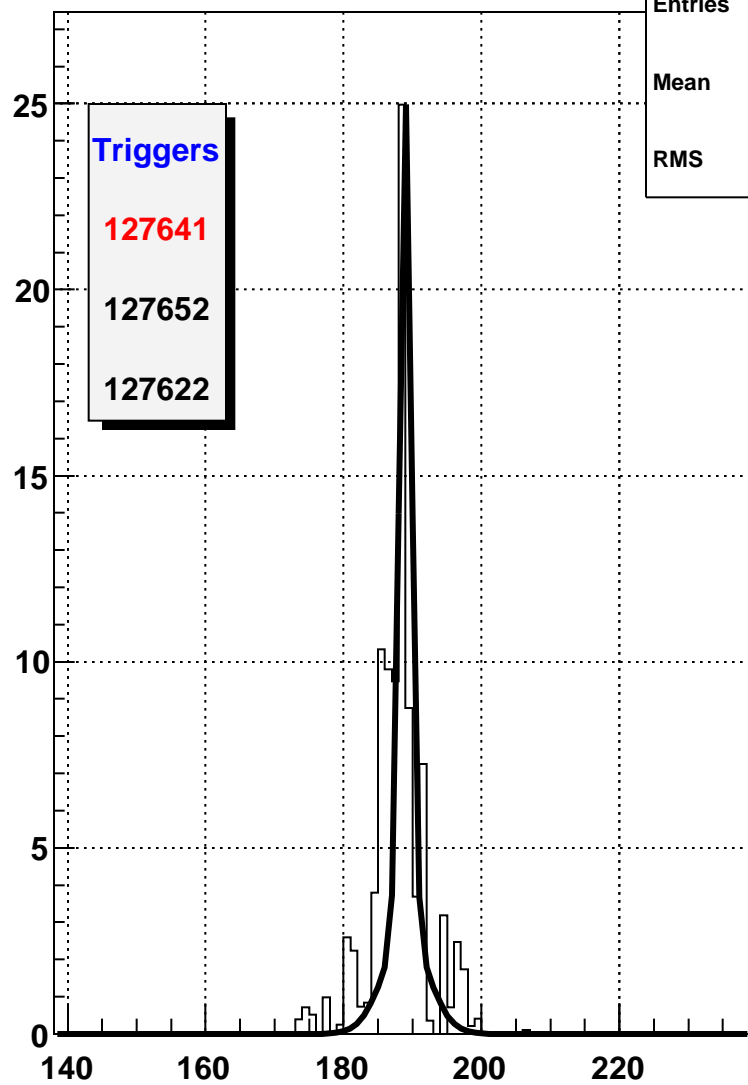
Entries	21
Mean	116.9
RMS	3.061



Run=7099046, Event=61100

**hSmdu**

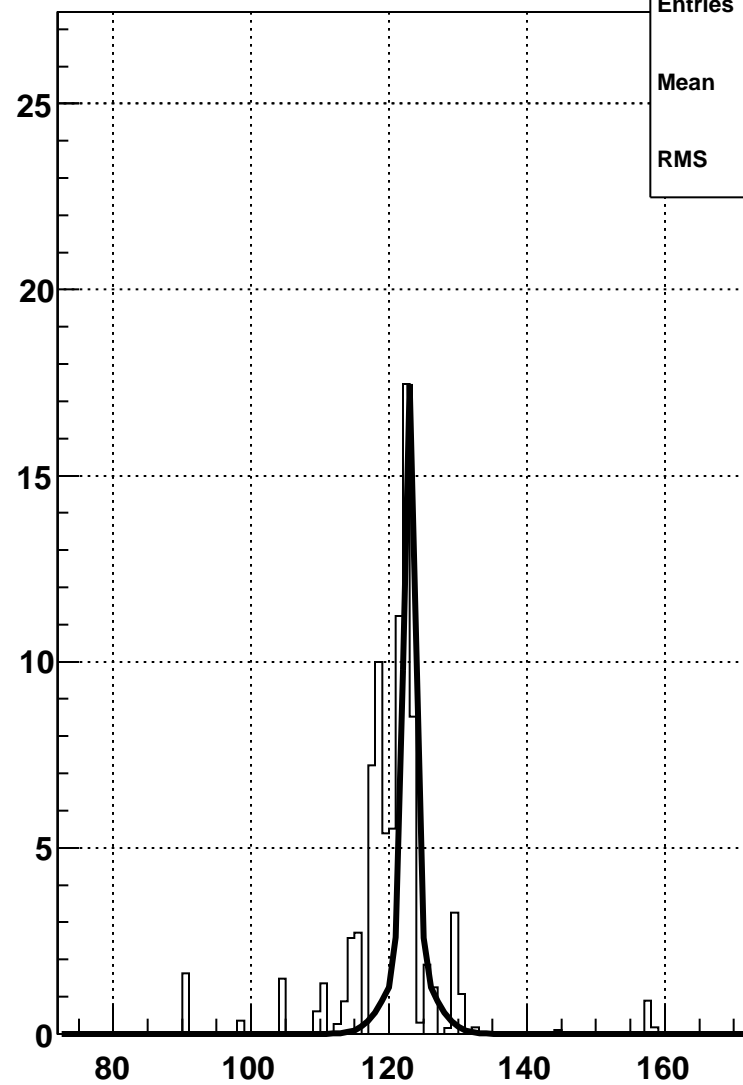
Entries	25
Mean	188
RMS	4.077



$p_T=6.5$  GeV,  $E=11.5$  GeV

**hSmdv**

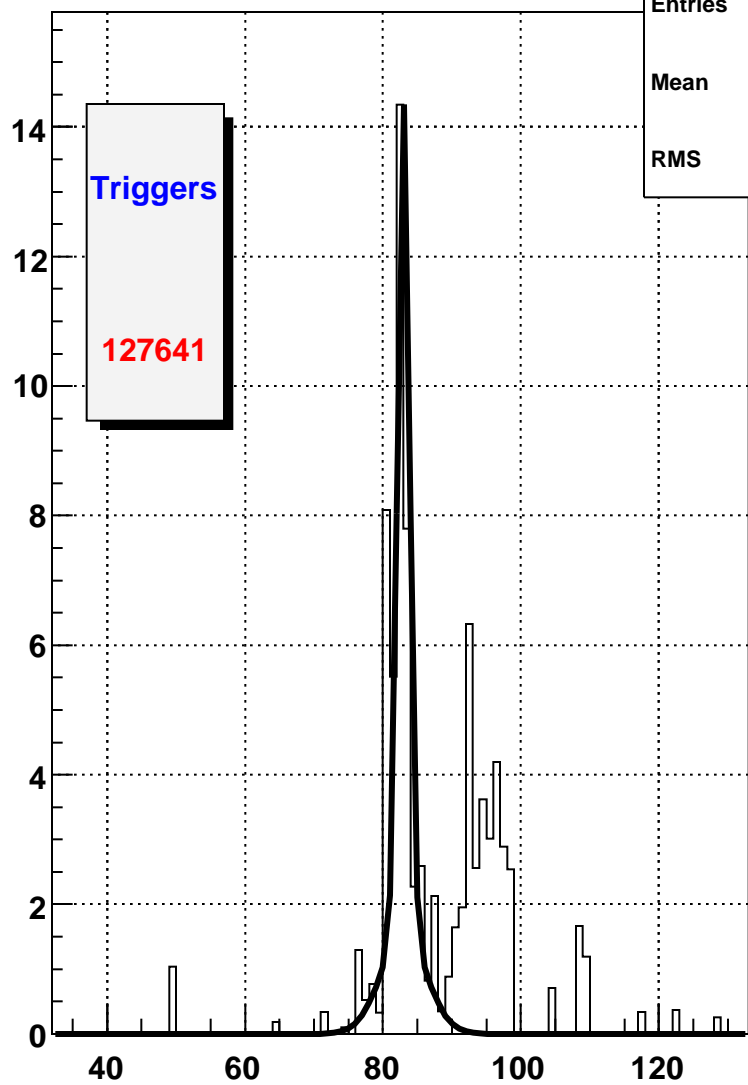
Entries	26
Mean	120.4
RMS	7.402



Run=7099046, Event=61647

**hSmdu**

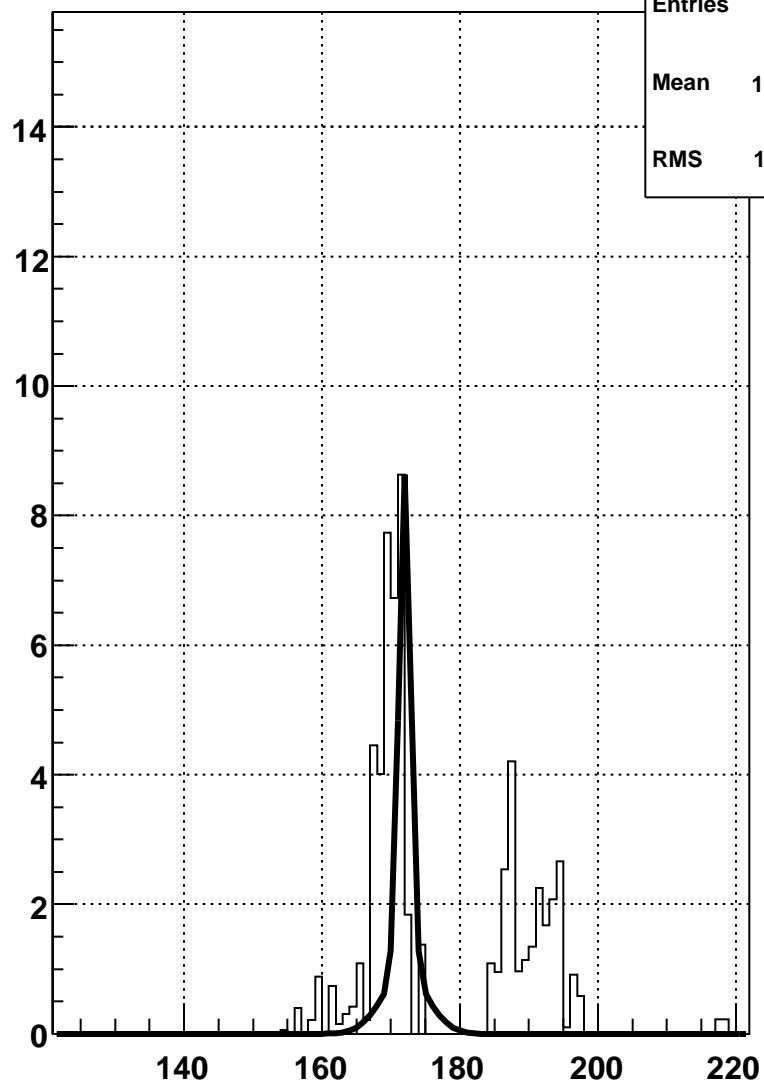
Entries	33
Mean	87.84
RMS	9.46



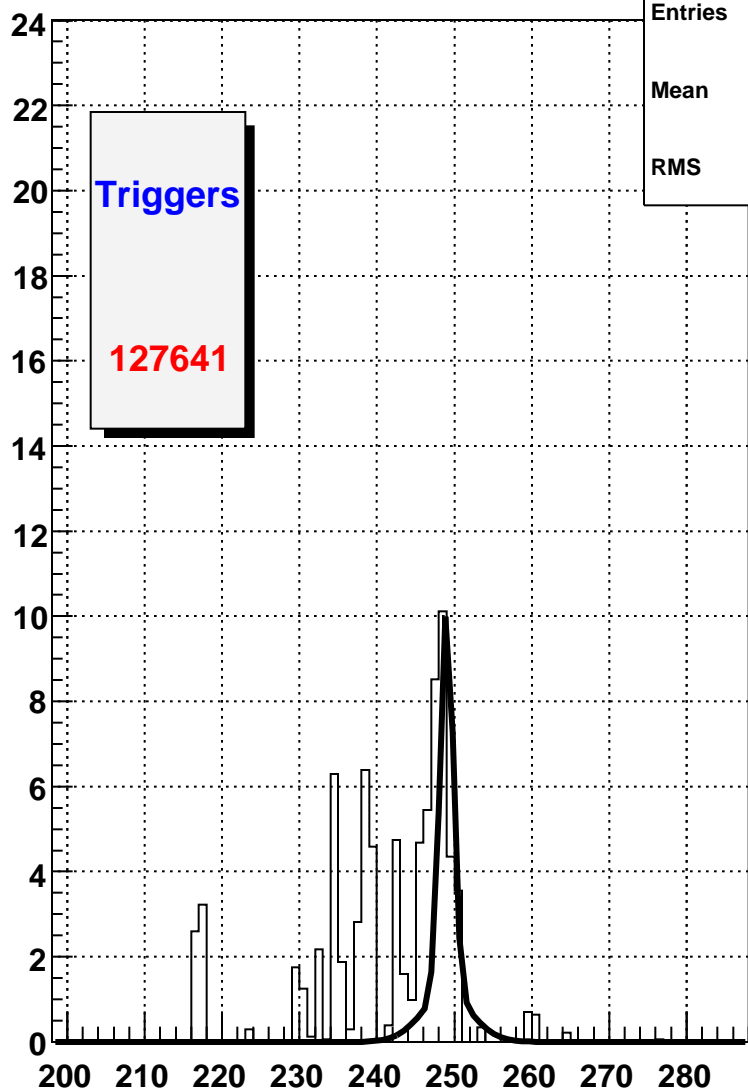
$p_T=5.9$  GeV,  $E=10.8$  GeV

**hSmdv**

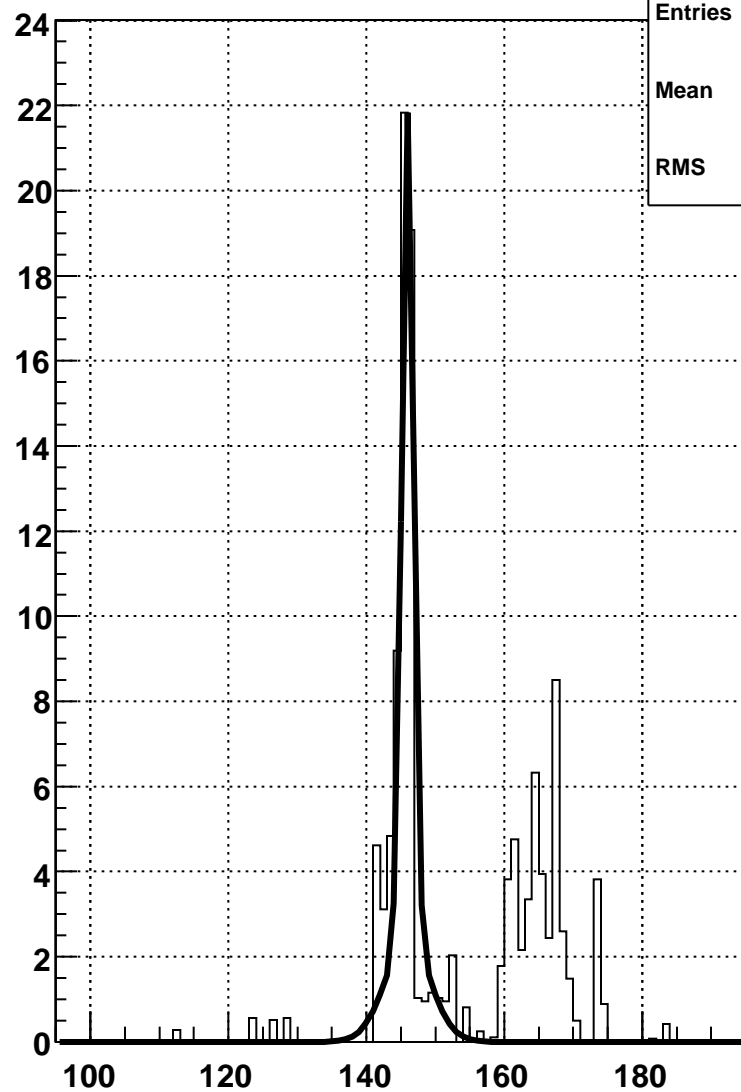
Entries	33
Mean	177.2
RMS	11.18



Run=7099046, Event=54450



$p_T=5.7$  GeV,  $E=12.4$  GeV

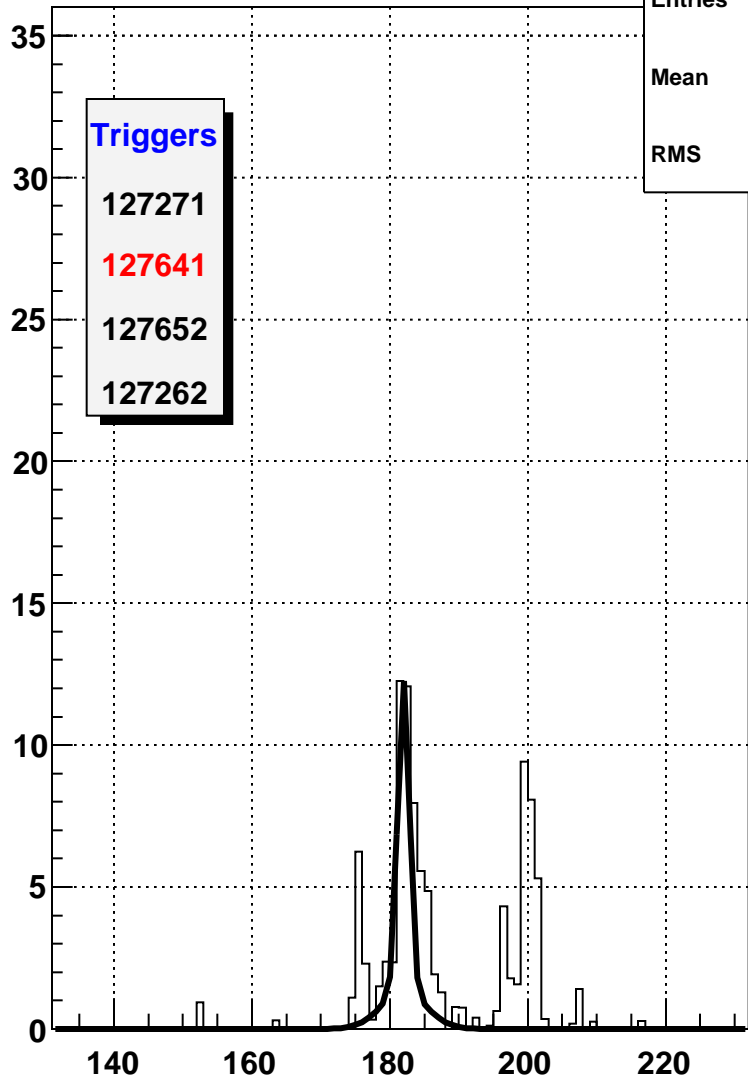




Run=7099046, Event=55979

**hSmdu**

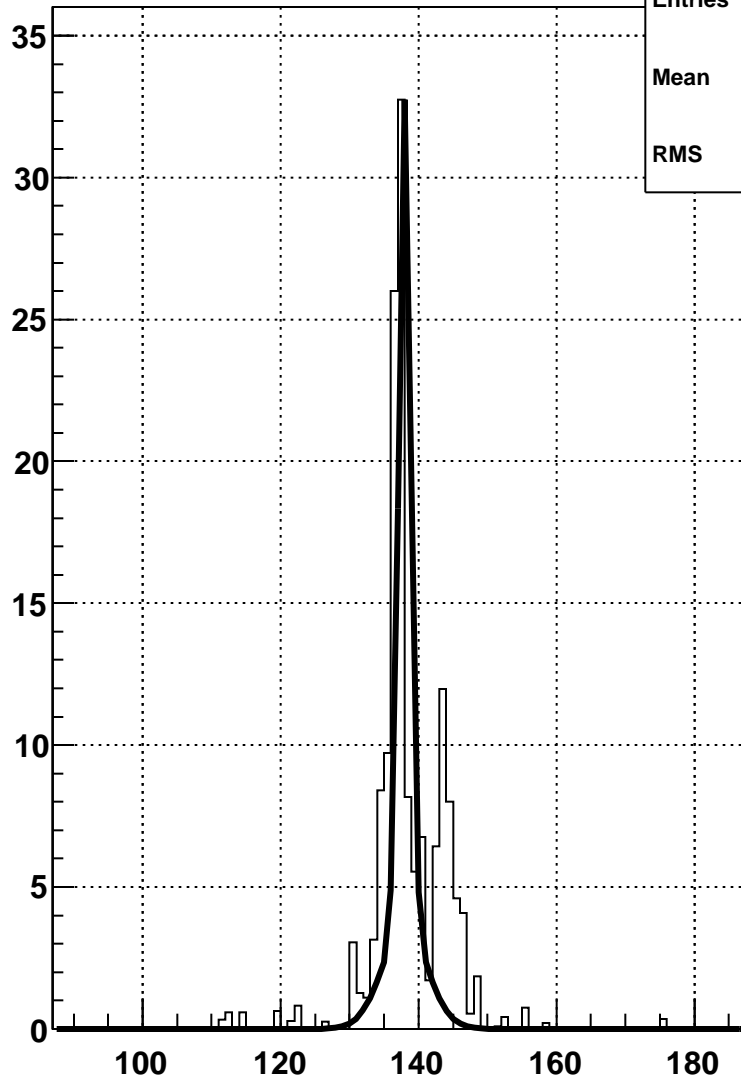
Entries	32
Mean	187.8
RMS	9.868



$p_T=5.8$  GeV,  $E=12.9$  GeV

**hSmdv**

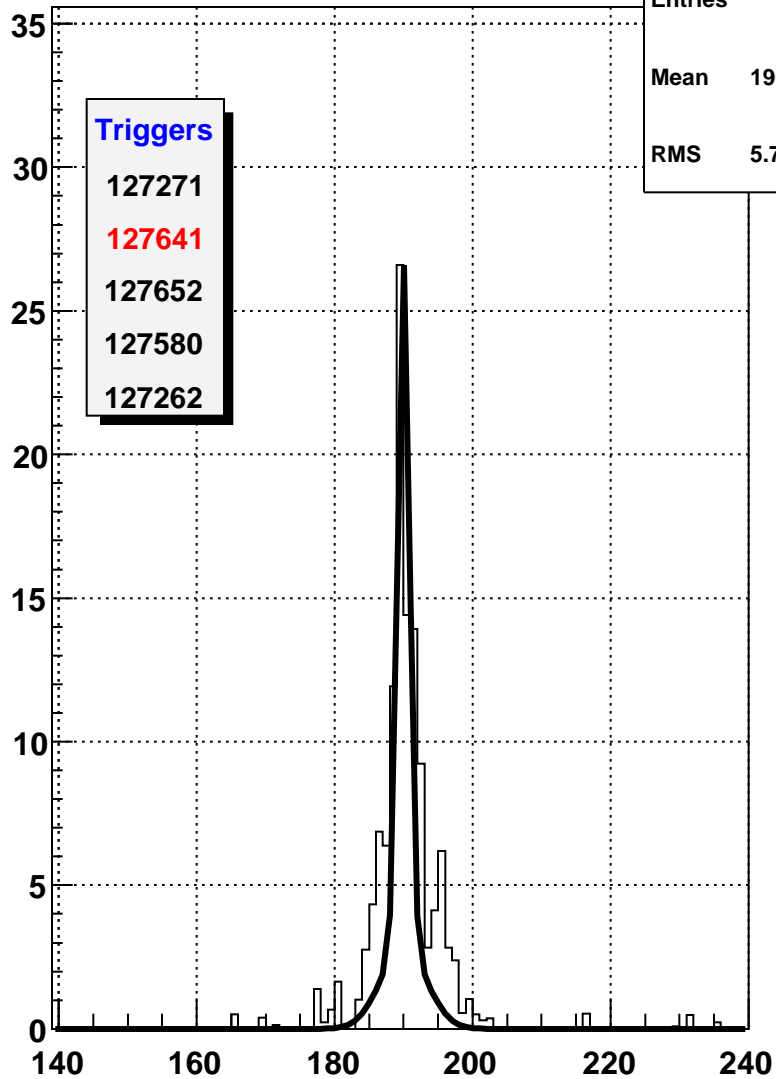
Entries	31
Mean	138.6
RMS	5.52



Run=7099045, Event=60053

**hSmdu**

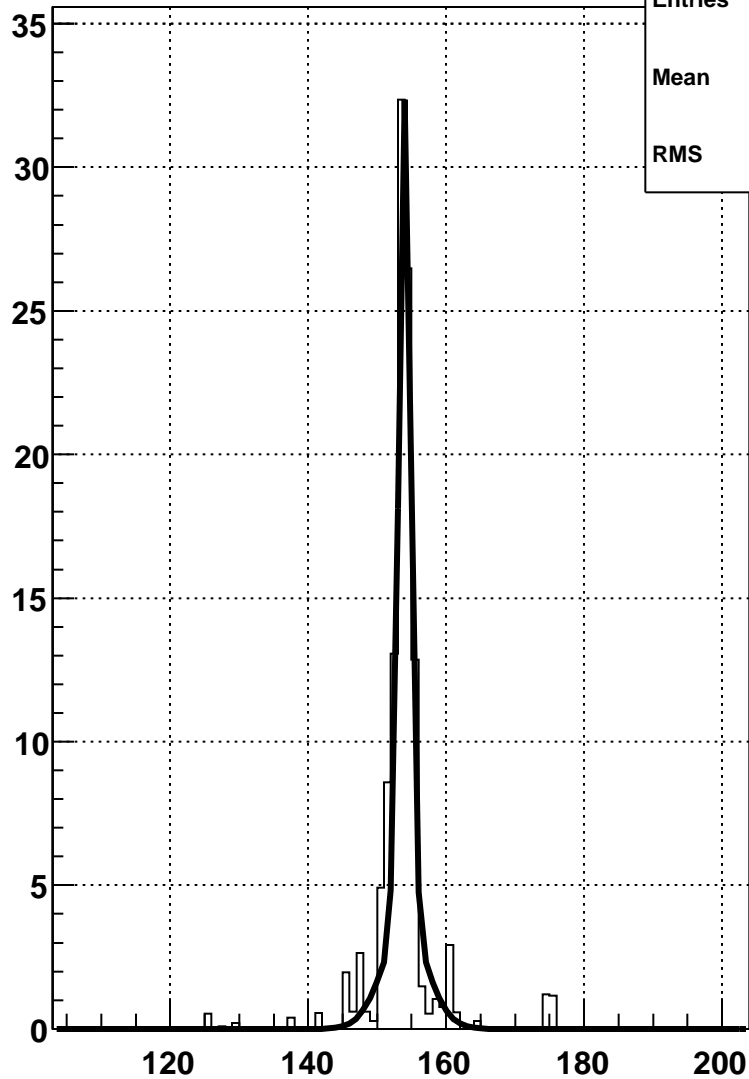
Entries 33  
Mean 190.4  
RMS 5.798



$p_T=6.0$  GeV,  $E=12.9$  GeV

**hSmdv**

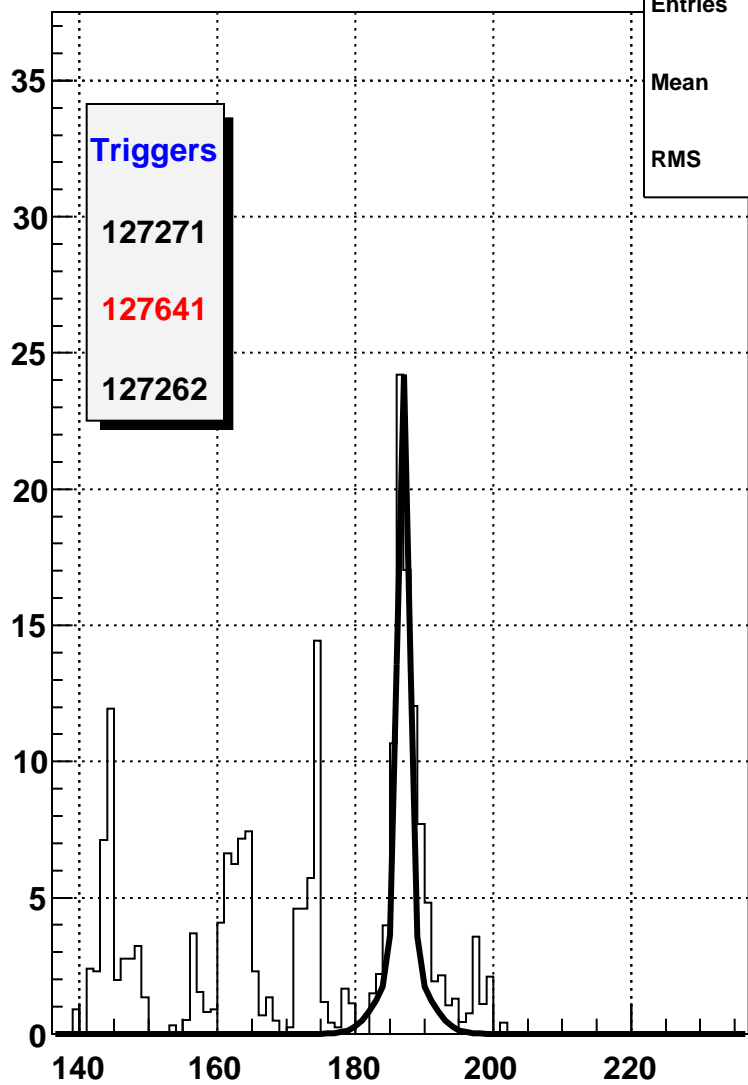
Entries 27  
Mean 153.7  
RMS 4.833



Run=7099045, Event=71921

**hSmdu**

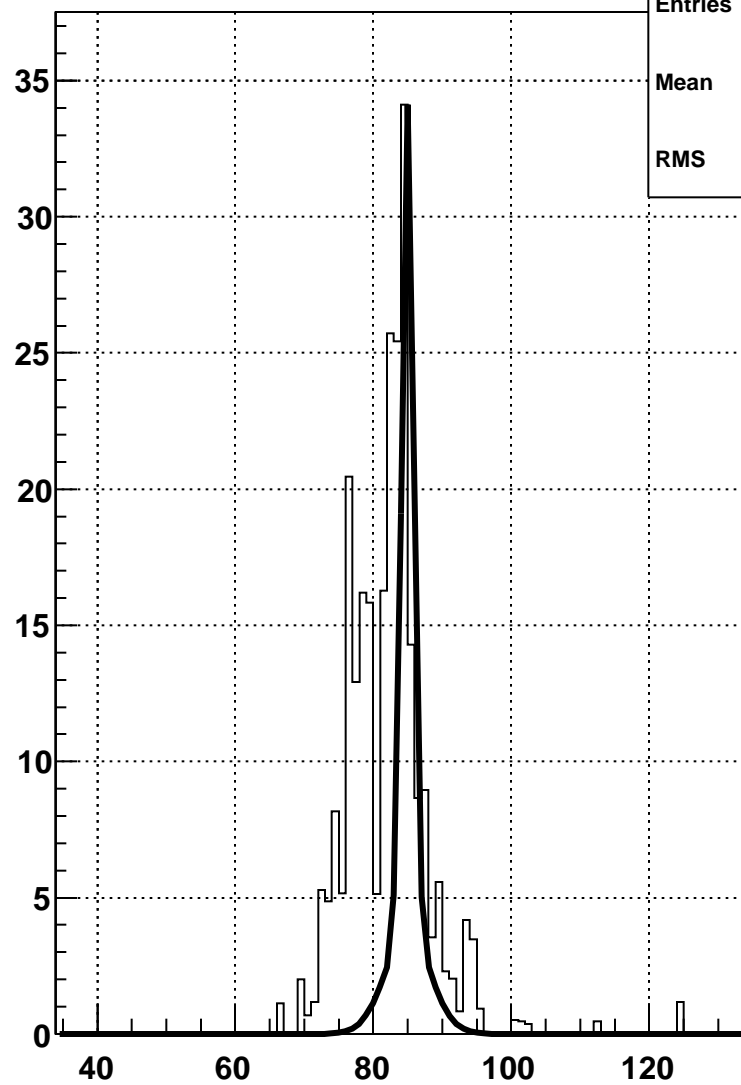
Entries	56
Mean	173.2
RMS	16.73



$p_T=10.2$  GeV,  $E=21.8$  GeV

**hSmdv**

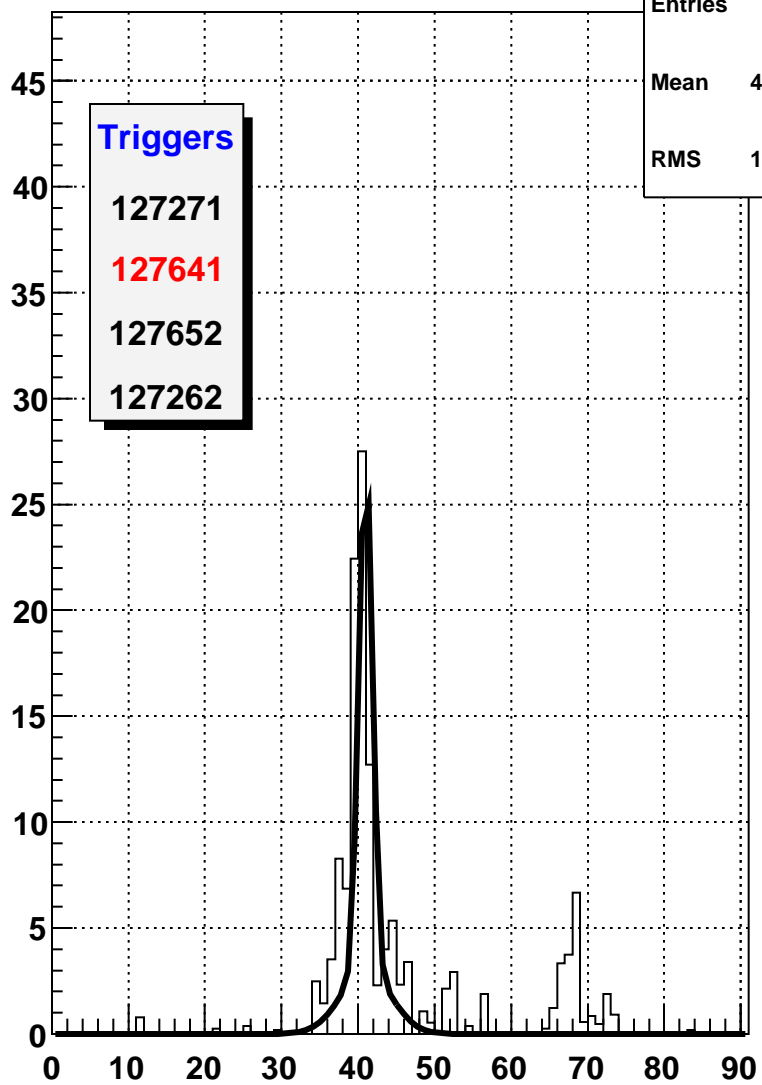
Entries	33
Mean	82.19
RMS	6.101



Run=7099046, Event=45813

**hSmdu**

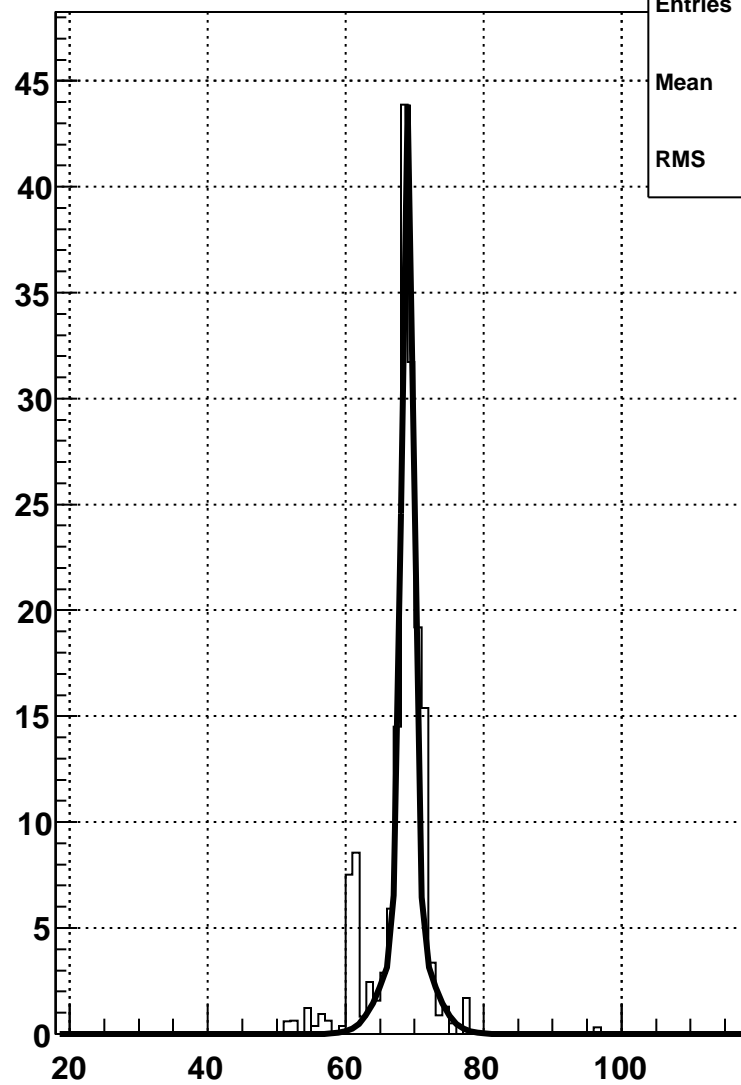
Entries	34
Mean	45.18
RMS	10.95



$p_T=8.3$  GeV,  $E=28.7$  GeV

**hSmdv**

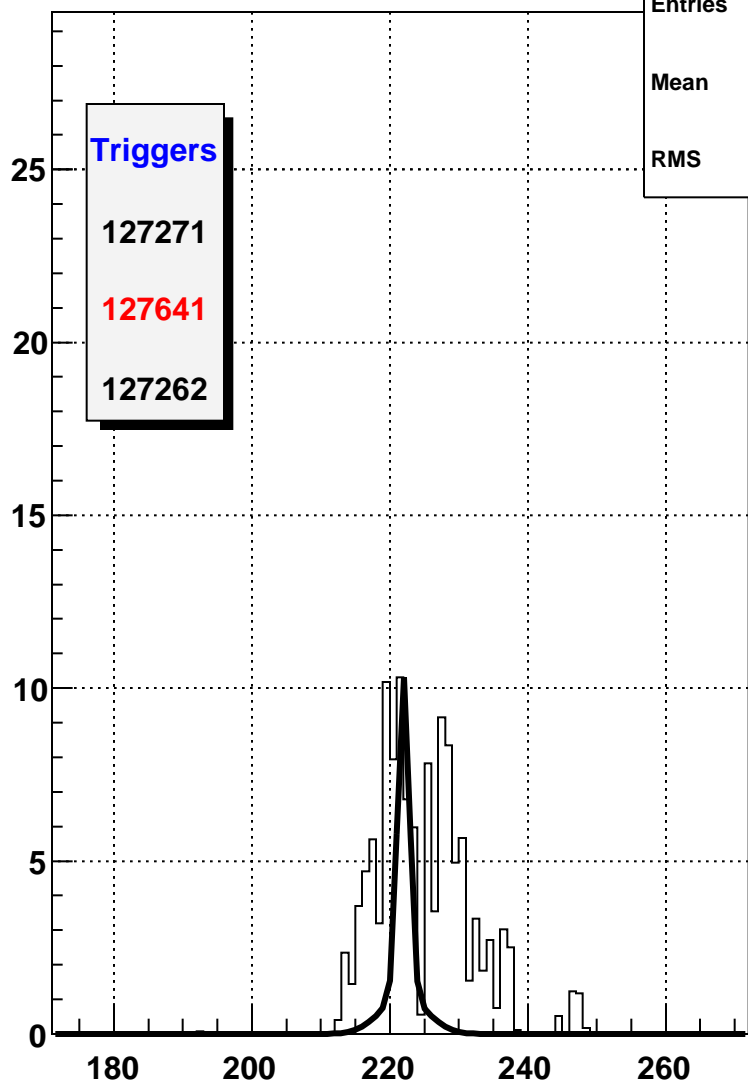
Entries	25
Mean	68.07
RMS	4.018



Run=7099046, Event=46992

**hSmdu**

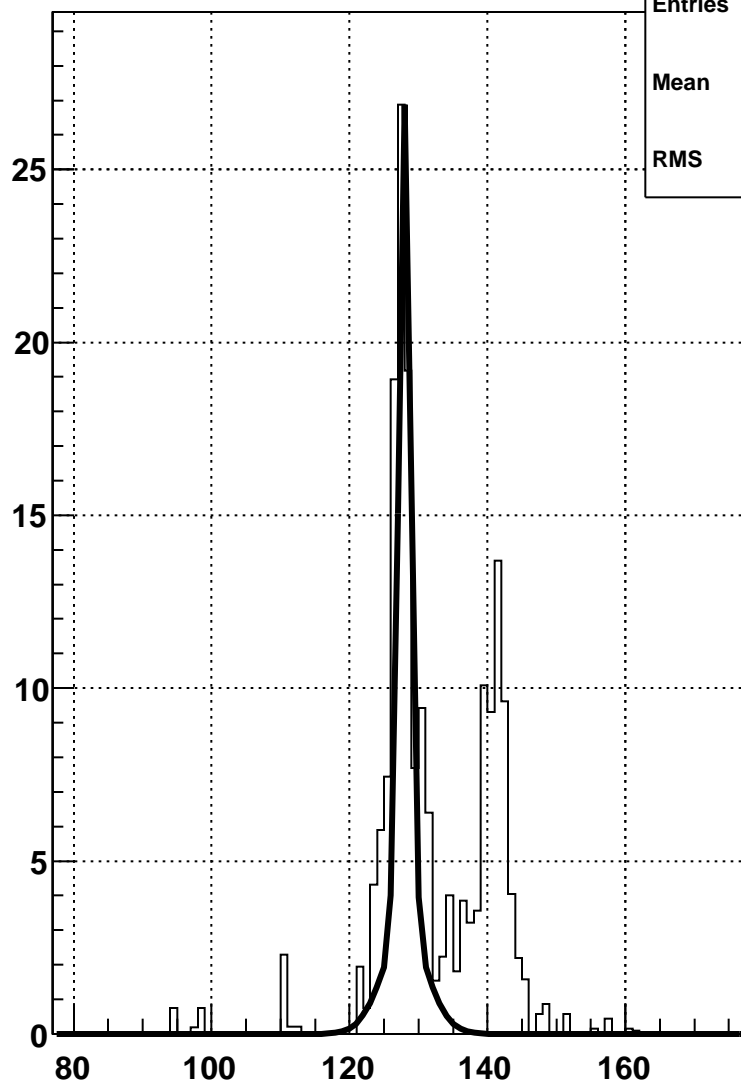
Entries	32
Mean	224.9
RMS	6.902



$p_T=8.1$  GeV,  $E=16.4$  GeV

**hSmdv**

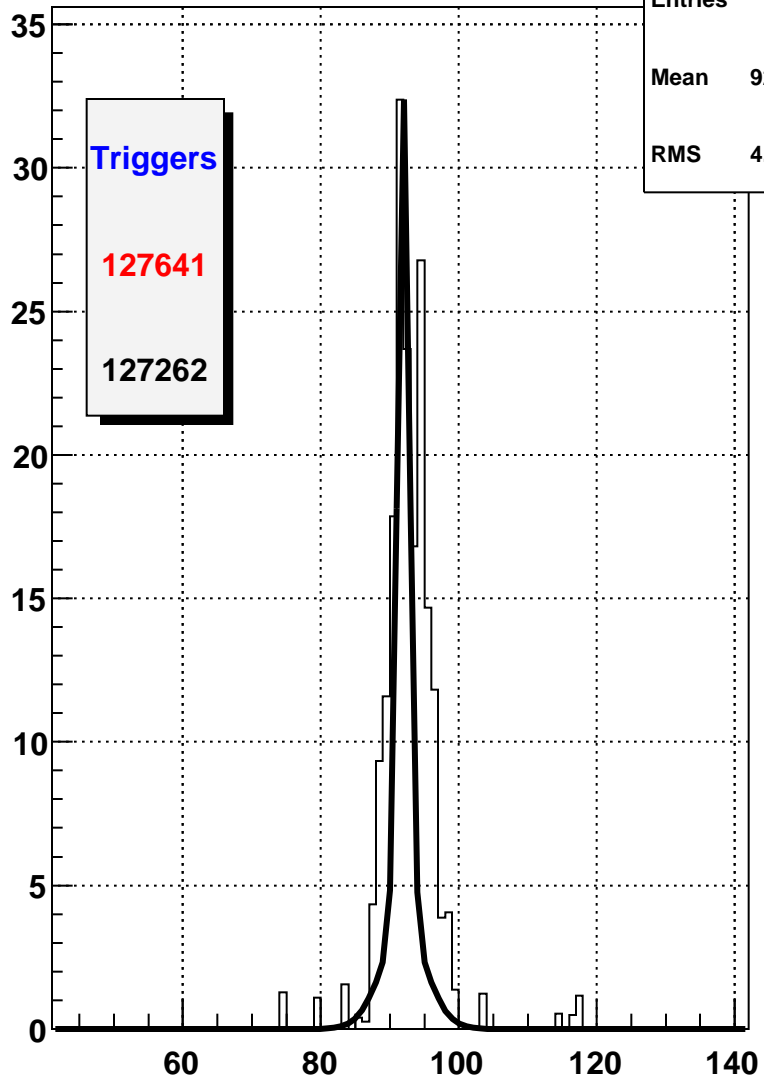
Entries	38
Mean	132.1
RMS	8.103



Run=7099046, Event=48448

**hSmdu**

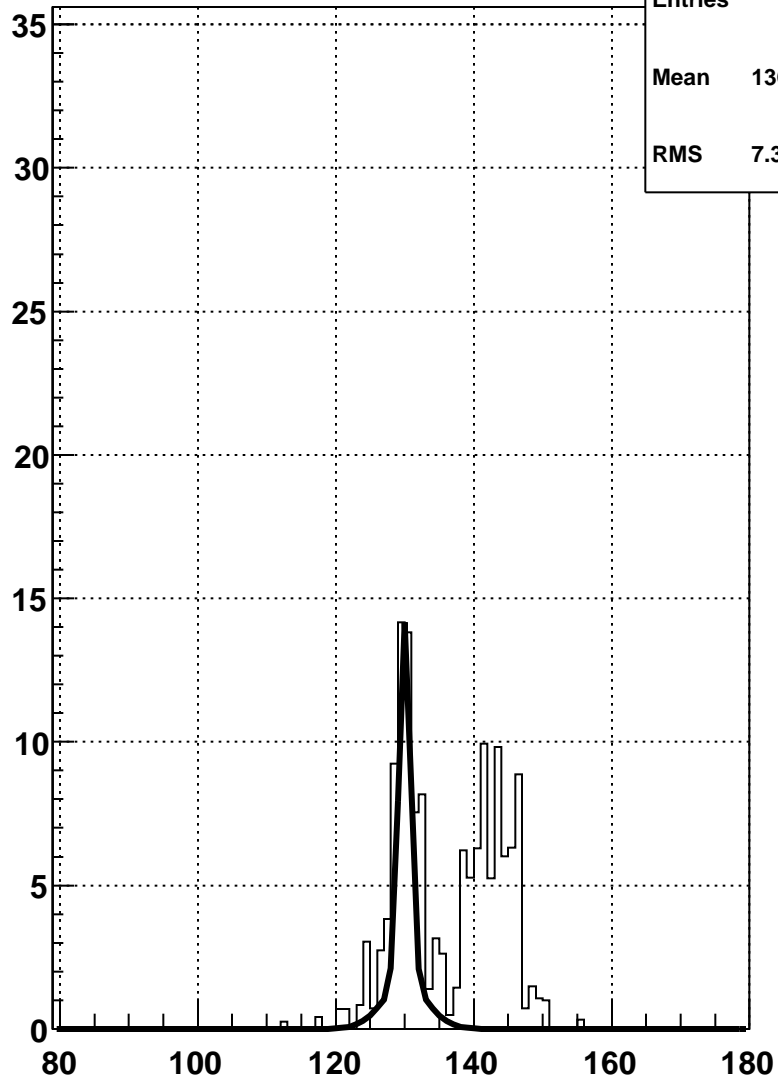
Entries	22
Mean	92.84
RMS	4.246



$p_T=7.3$  GeV,  $E=17.0$  GeV

**hSmdv**

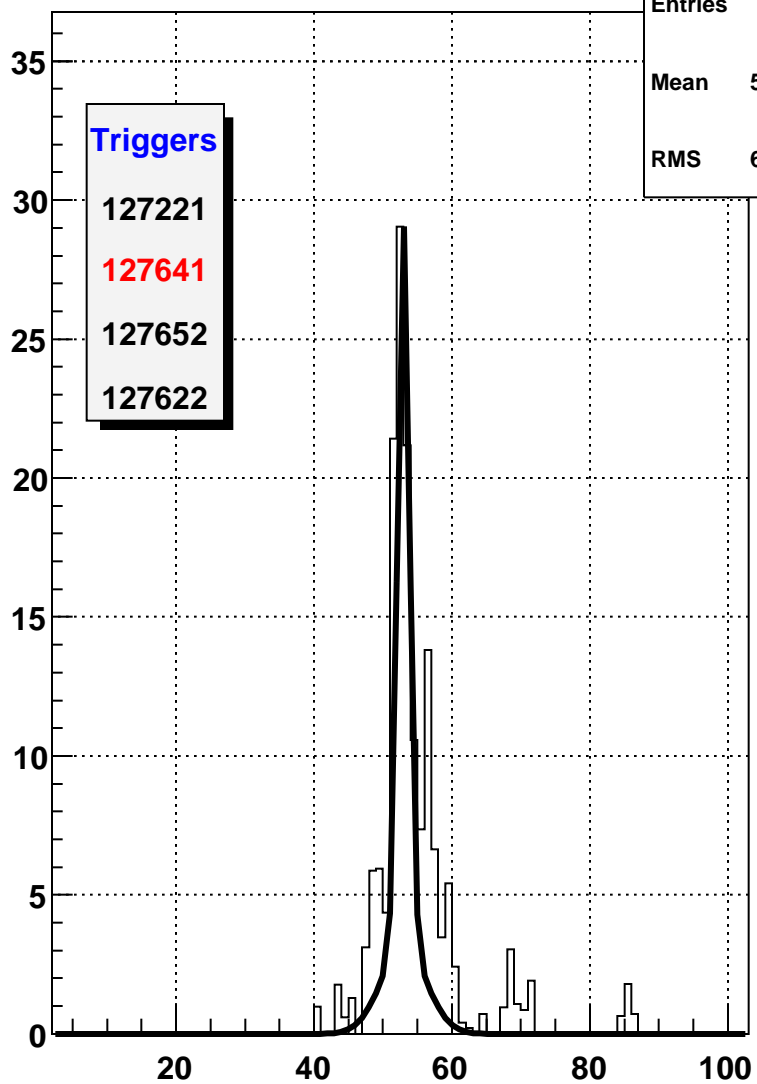
Entries	34
Mean	136.3
RMS	7.313



Run=7099046, Event=49111

**hSmdu**

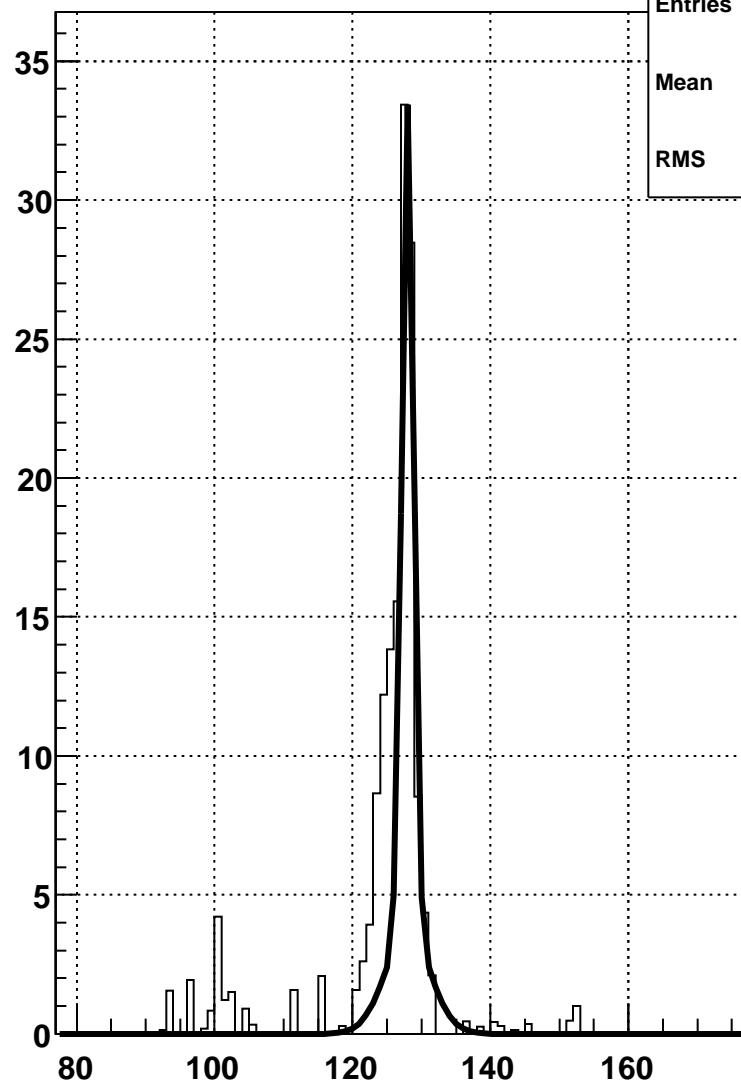
Entries	29
Mean	54.75
RMS	6.557



$p_T=8.6$  GeV,  $E=15.8$  GeV

**hSmdv**

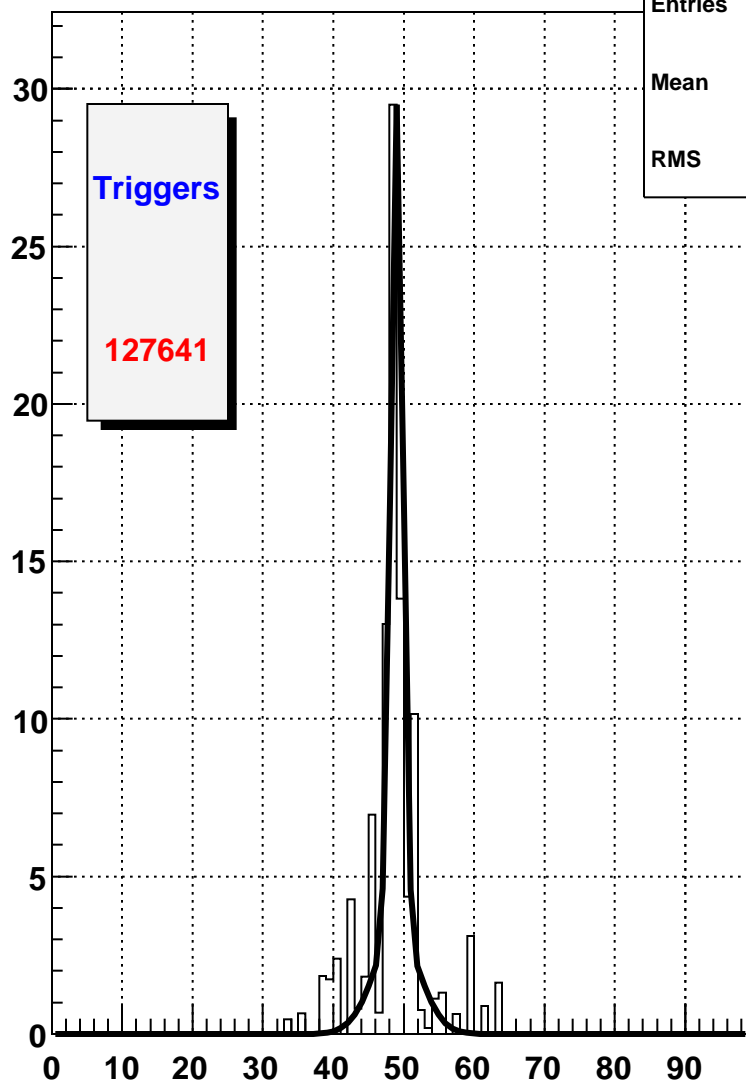
Entries	33
Mean	124.6
RMS	8.628



Run=7099047, Event=30626

**hSmdu**

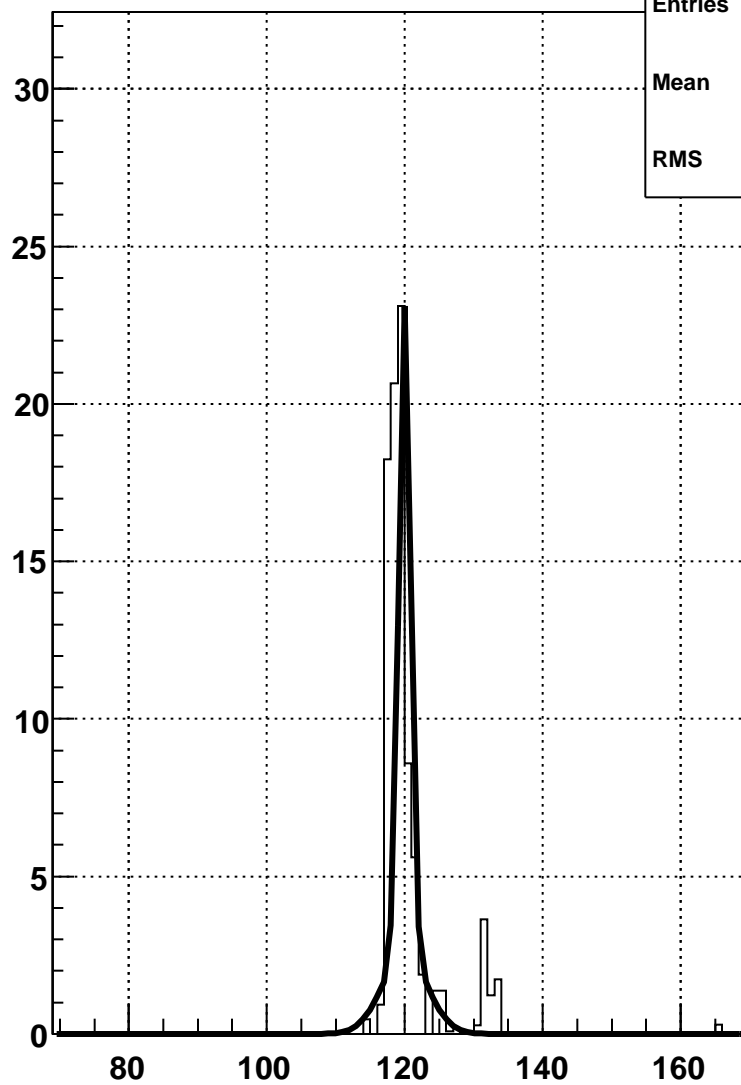
Entries	23
Mean	48.58
RMS	4.598



$p_T=5.5$  GeV,  $E=15.2$  GeV

**hSmdv**

Entries	17
Mean	120.4
RMS	4.603

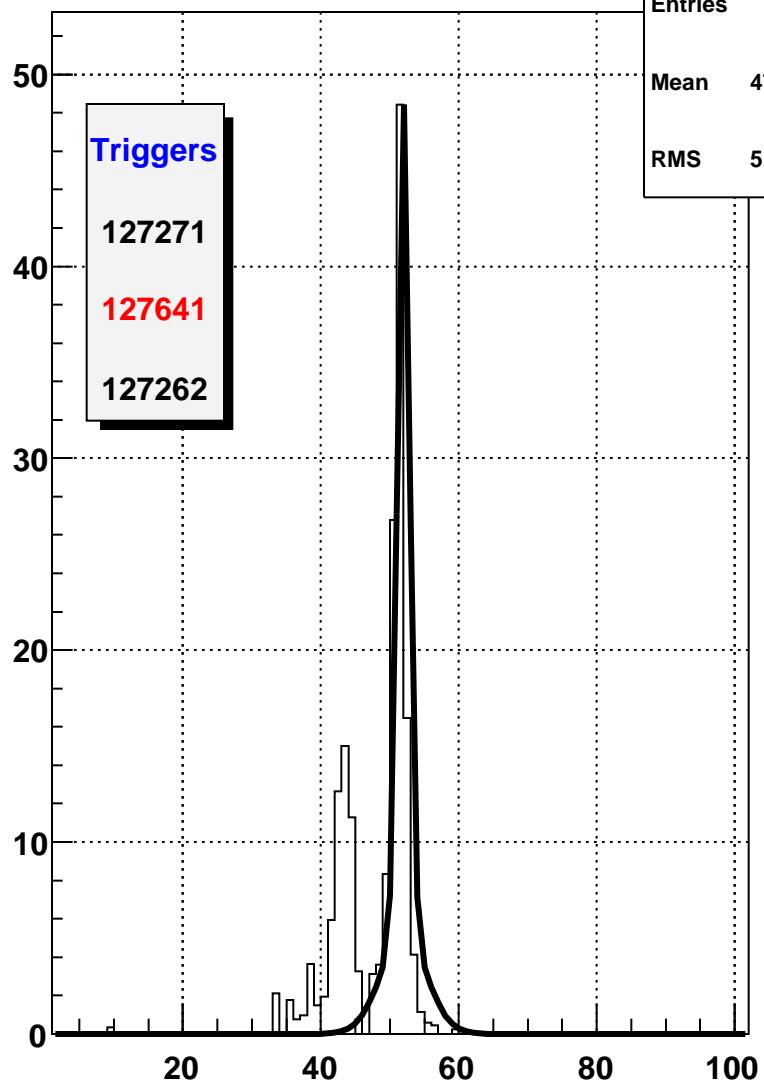




Run=7099047, Event=31332

**hSmdu**

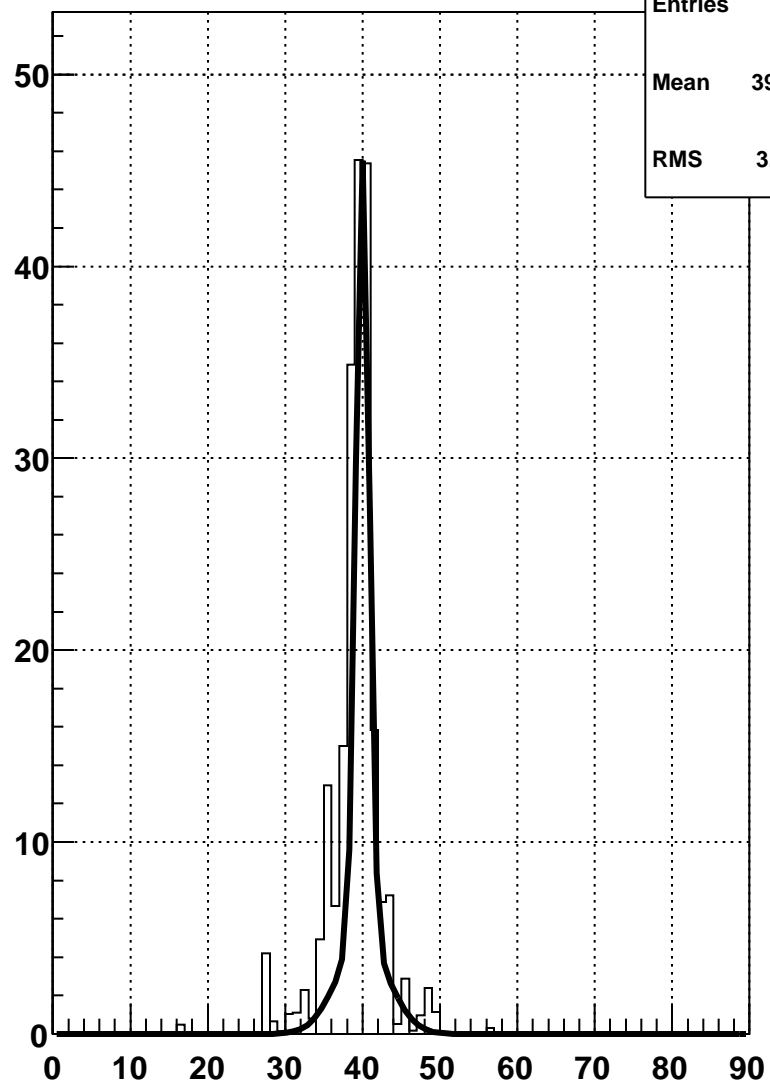
Entries	25
Mean	47.98
RMS	5.079



$p_T=6.3$  GeV,  $E=27.4$  GeV

**hSmdv**

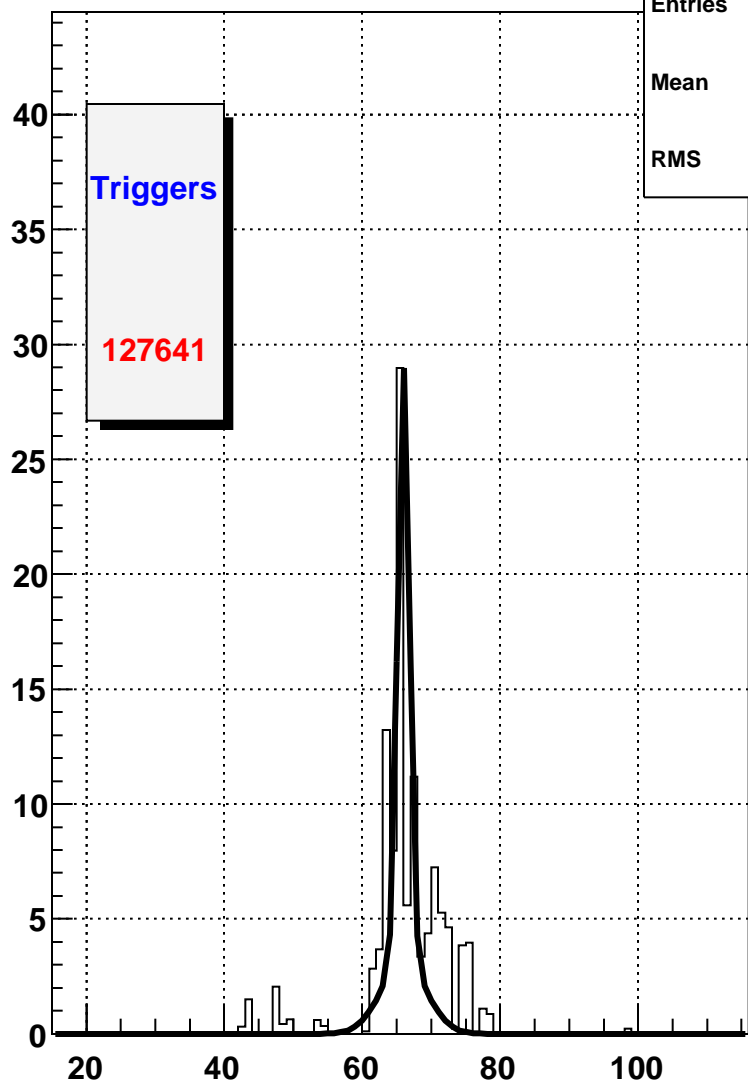
Entries	26
Mean	39.13
RMS	3.491



Run=7099047, Event=32715

**hSmdu**

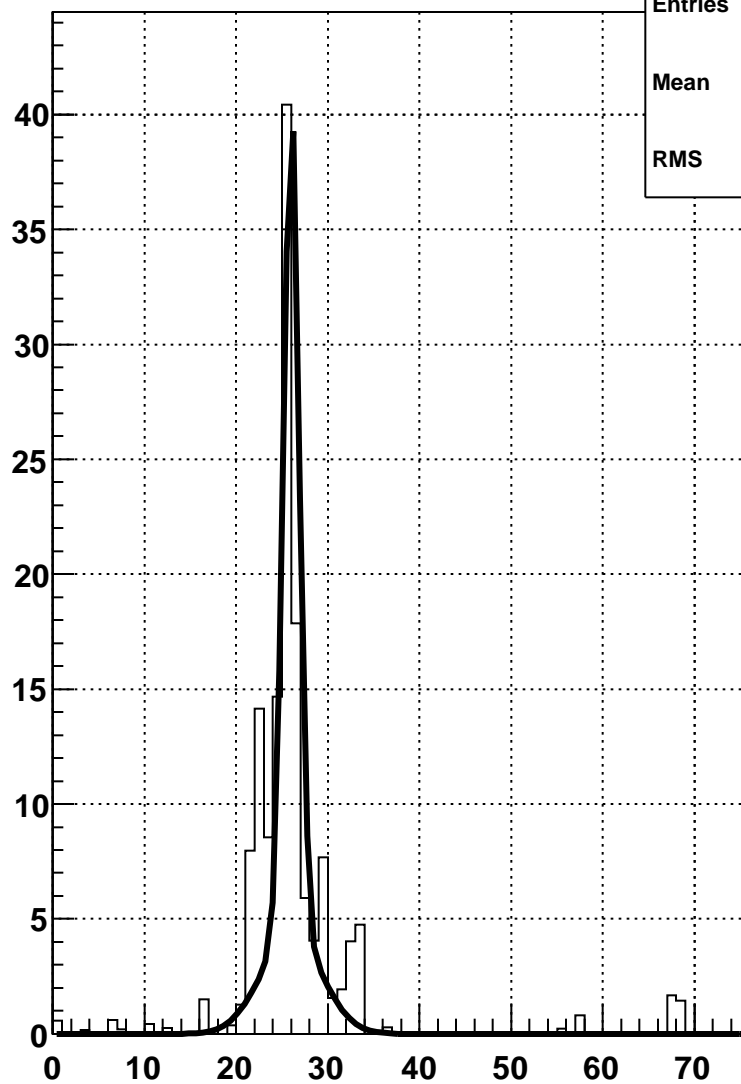
Entries	26
Mean	66.38
RMS	5.956



$p_T=5.1$  GeV,  $E=15.3$  GeV

**hSmdv**

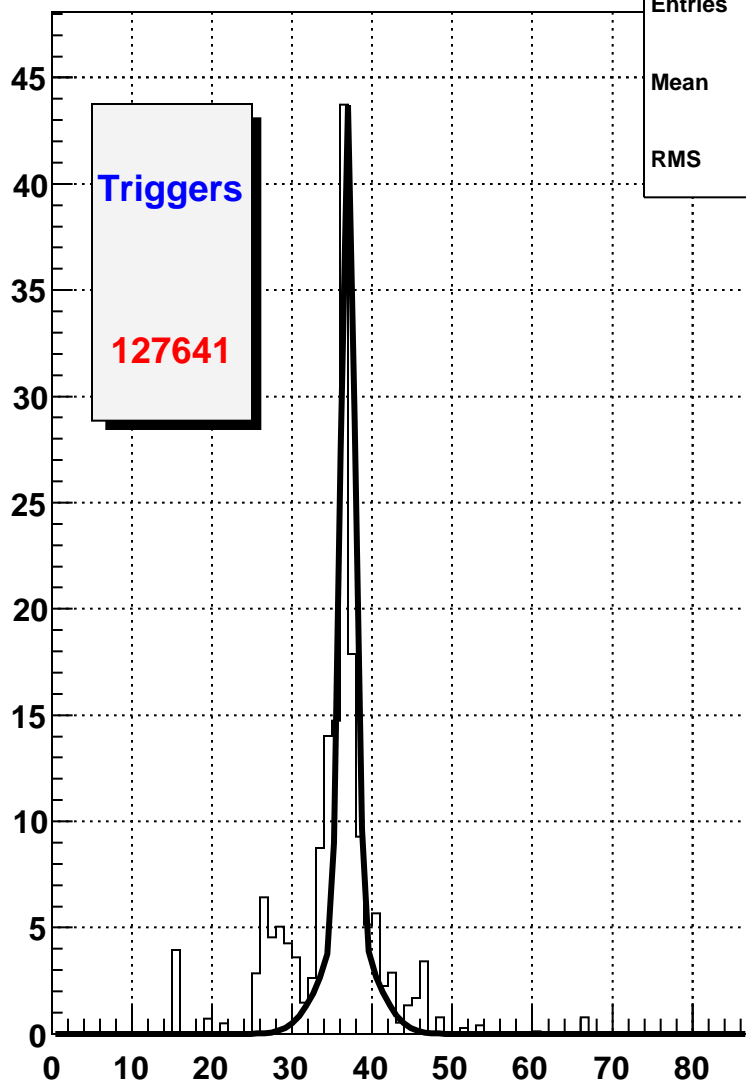
Entries	28
Mean	26.59
RMS	7.783



Run=7099047, Event=34097

**hSmdu**

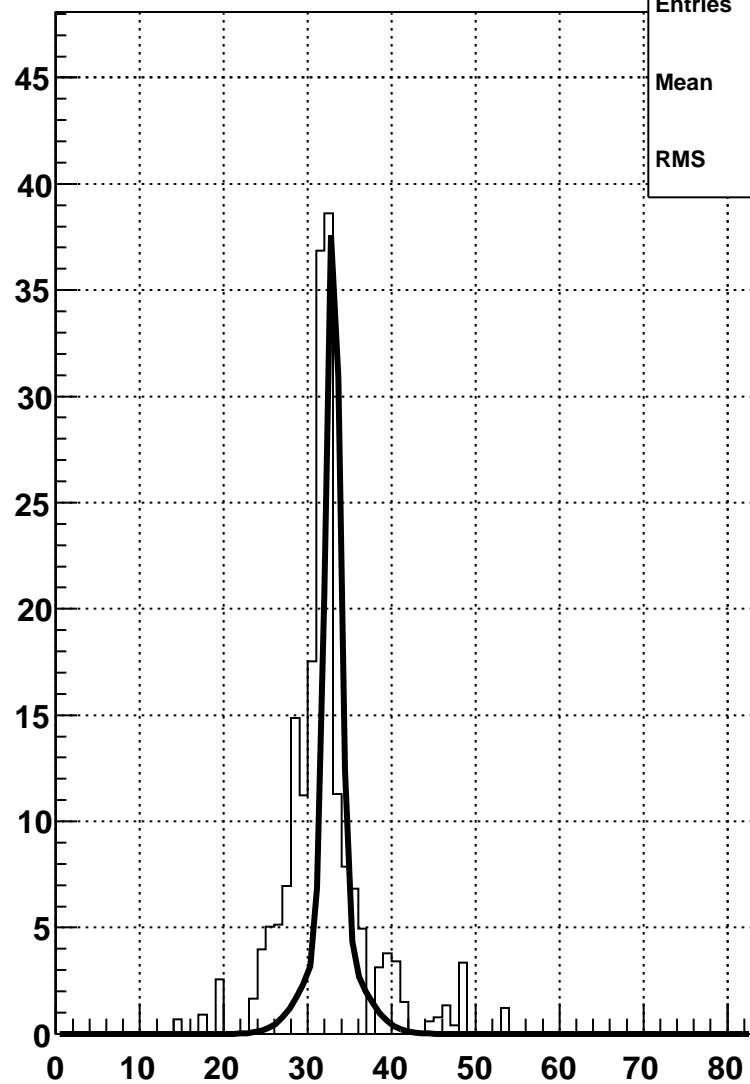
Entries	32
Mean	35.3
RMS	6.015



$p_T=6.5$  GeV,  $E=22.0$  GeV

**hSmdv**

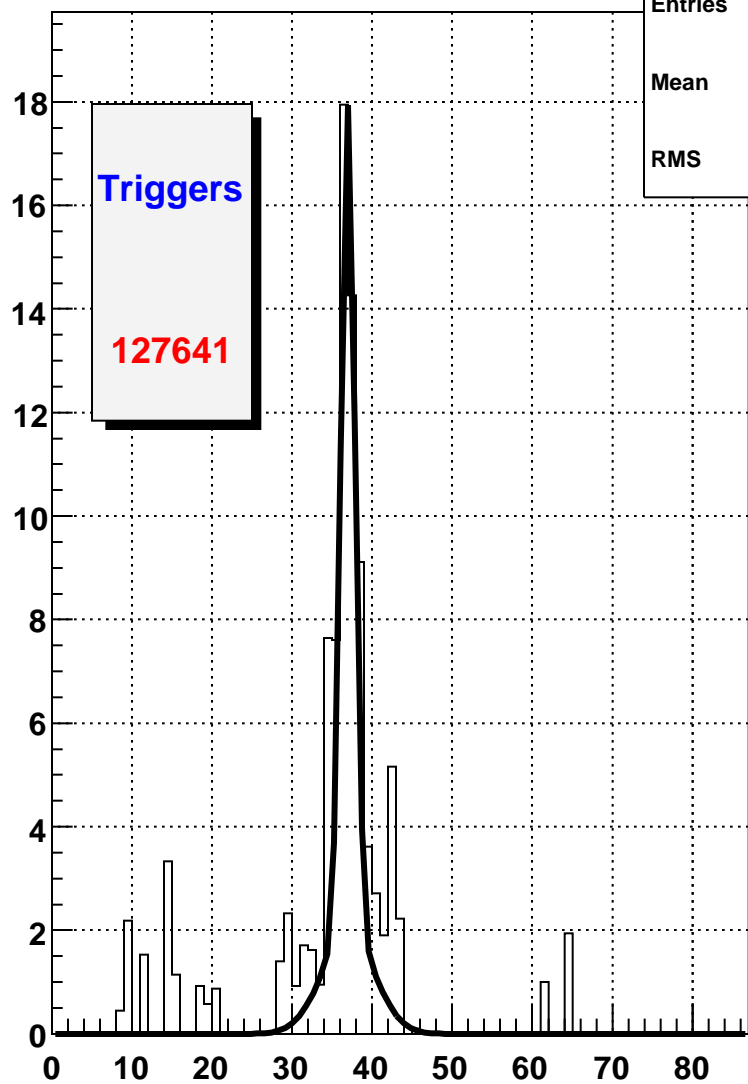
Entries	27
Mean	32.01
RMS	5.066



Run=7099047, Event=34147

**hSmdu**

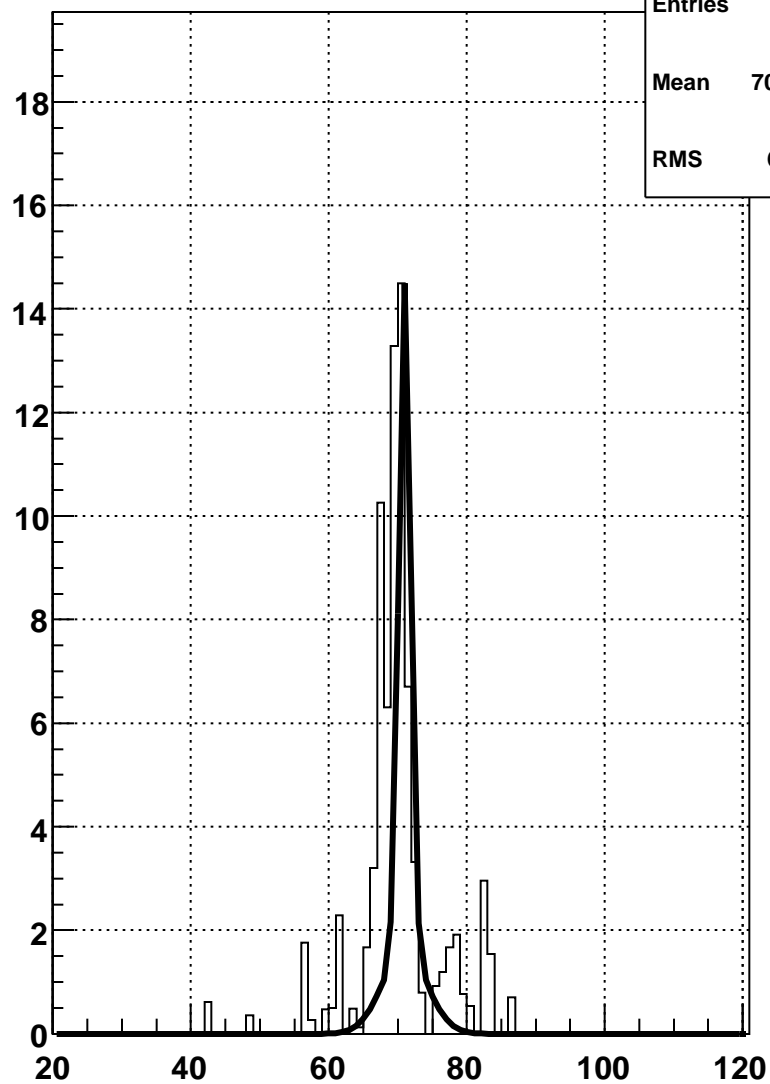
Entries	27
Mean	35.12
RMS	9.454



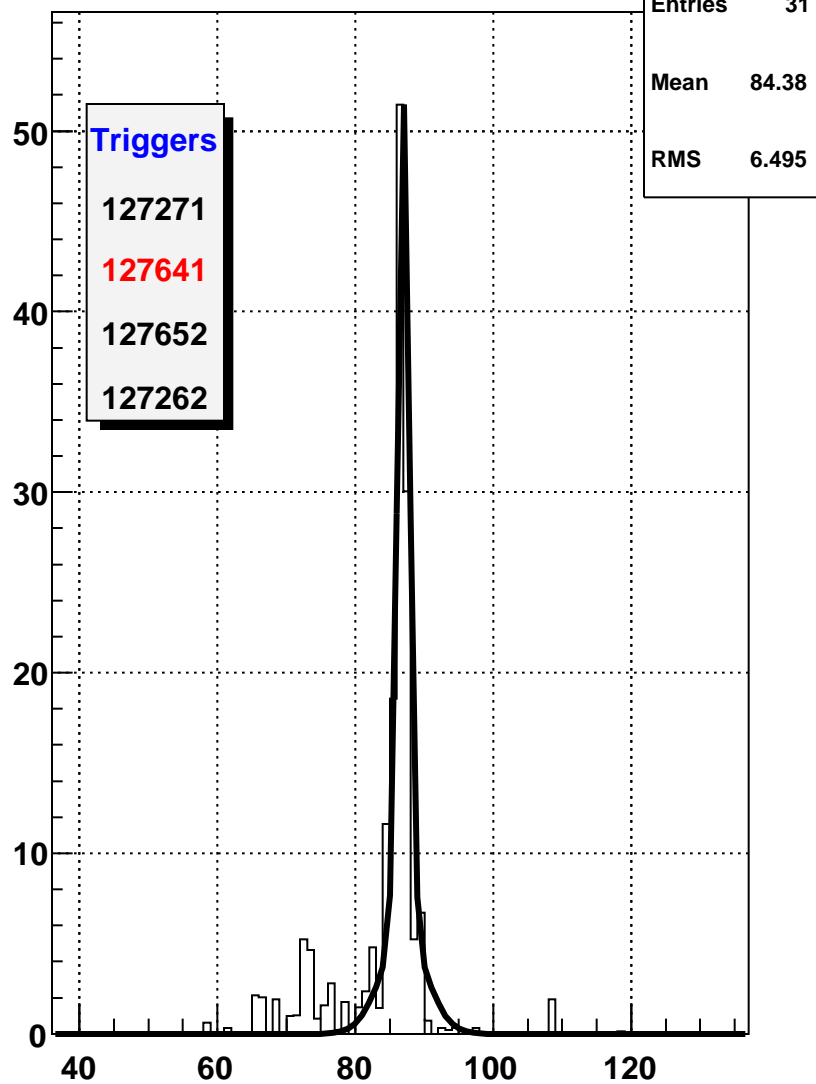
$p_T=5.0$  GeV,  $E=13.3$  GeV

**hSmdv**

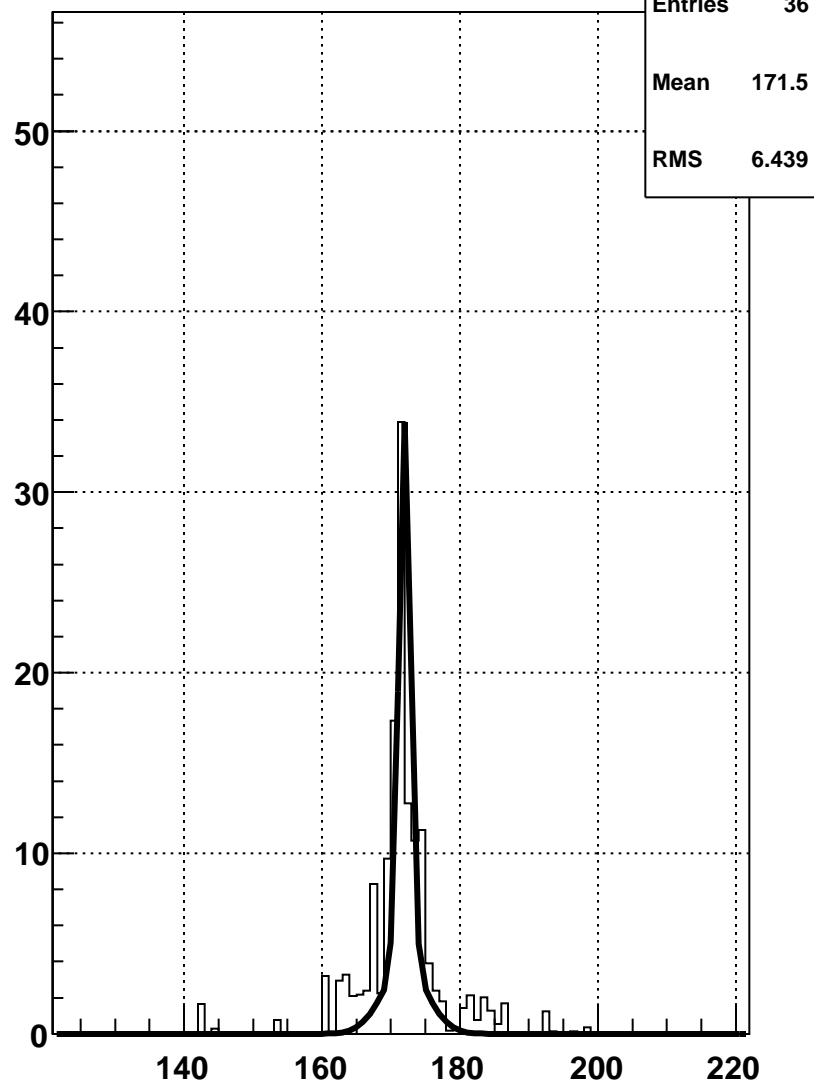
Entries	27
Mean	70.09
RMS	6.01



Run=7099046, Event=39747



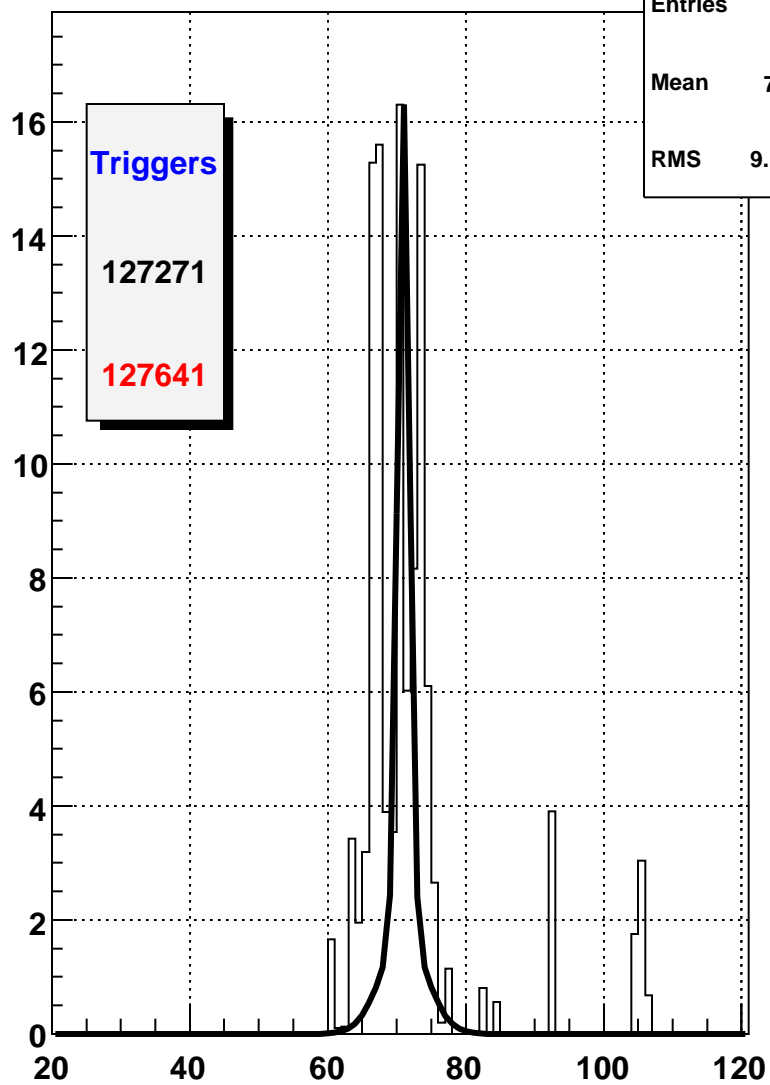
$p_T=8.5$  GeV,  $E=16.1$  GeV



Run=7099046, Event=39810

**hSmdu**

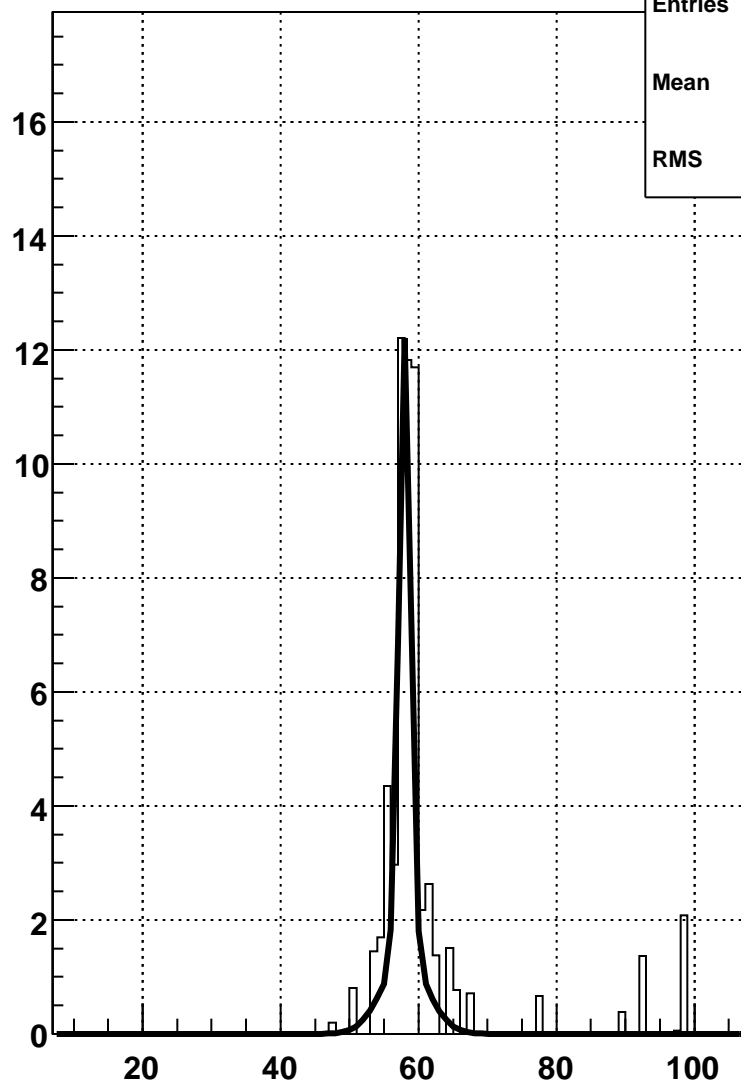
Entries	53
Mean	72.4
RMS	9.137



$p_T=14.4$  GeV,  $E=25.4$  GeV

**hSmdv**

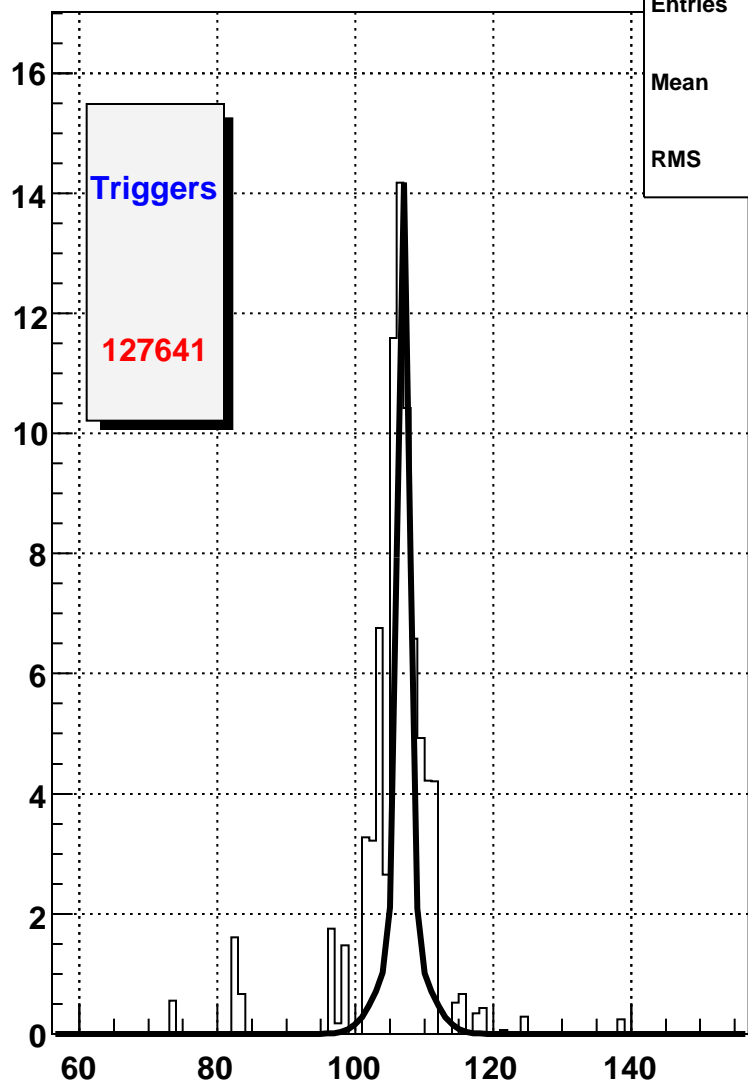
Entries	58
Mean	61.02
RMS	9.631



Run=7099046, Event=39879

**hSmdu**

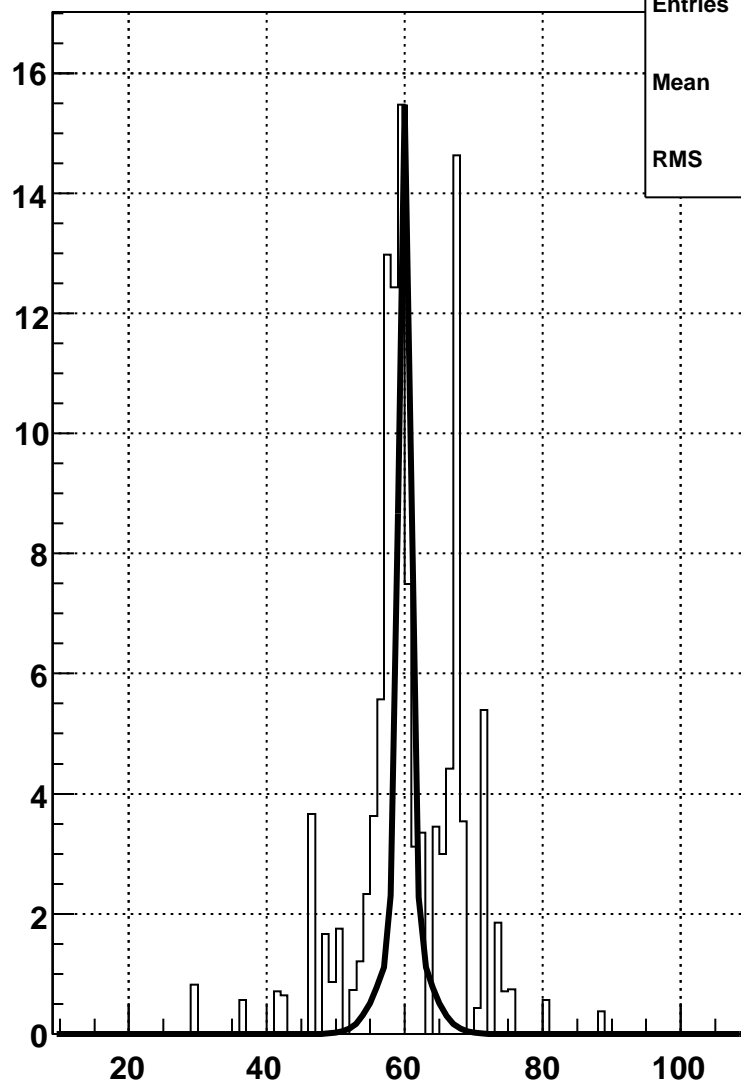
Entries	24
Mean	105.8
RMS	6.224



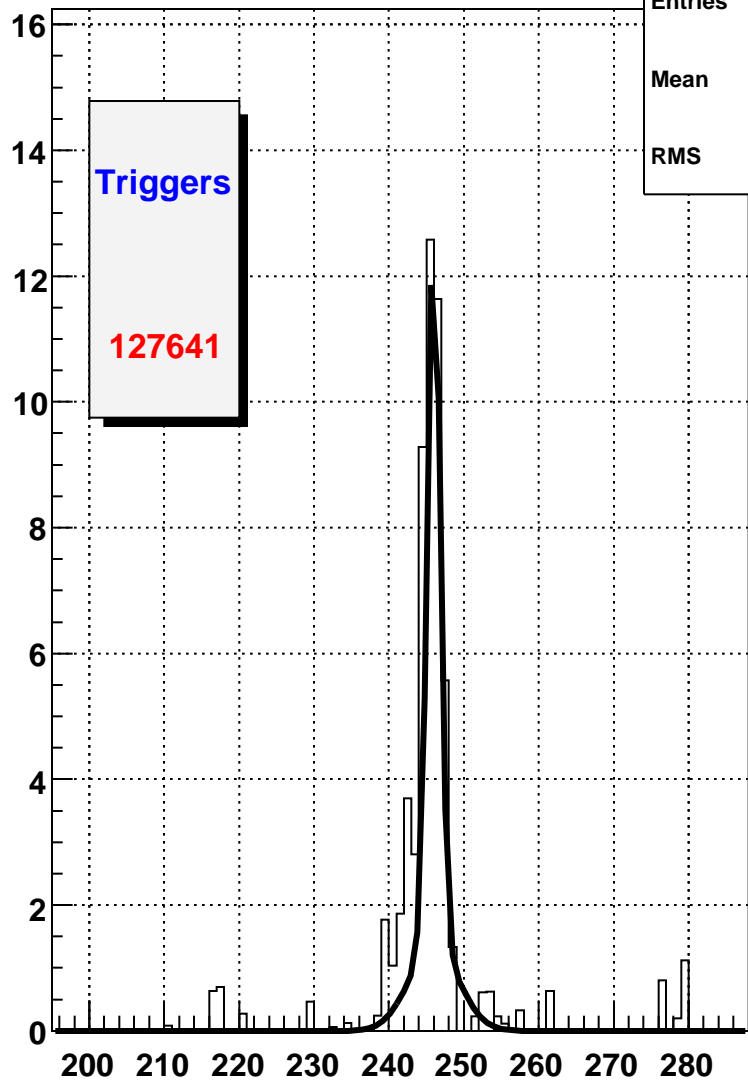
$p_T=6.3$  GeV,  $E=15.2$  GeV

**hSmdv**

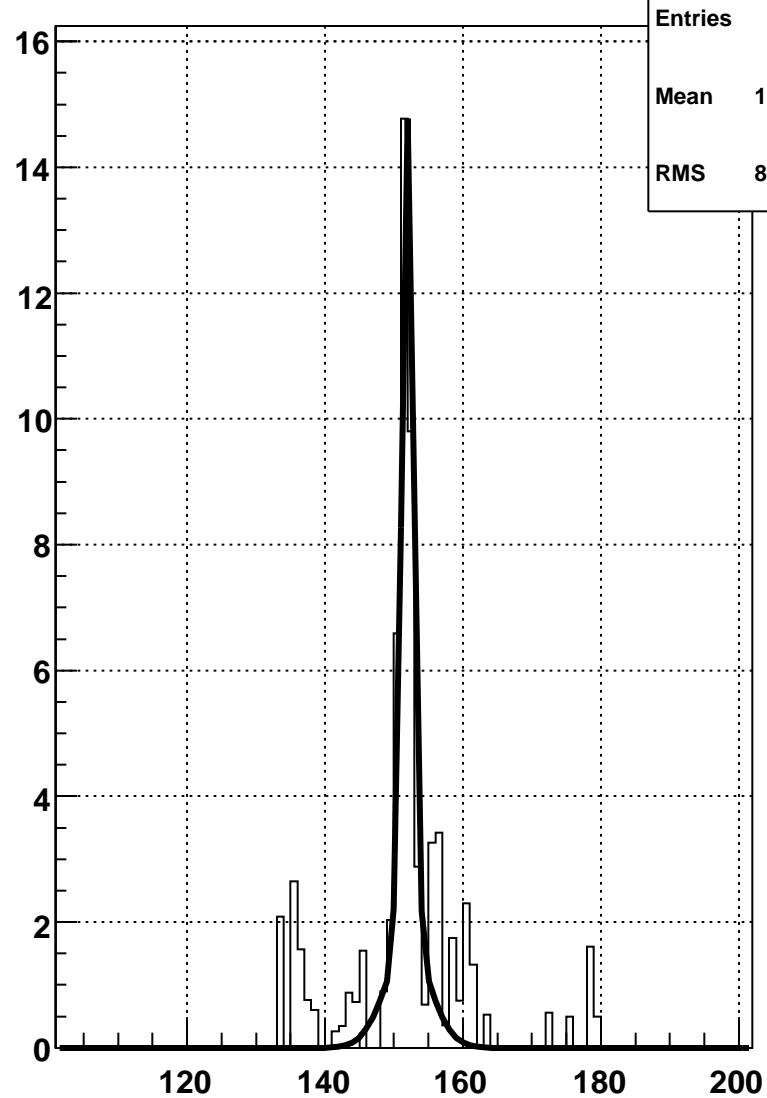
Entries	31
Mean	60.64
RMS	7.391



Run=7099046, Event=40100

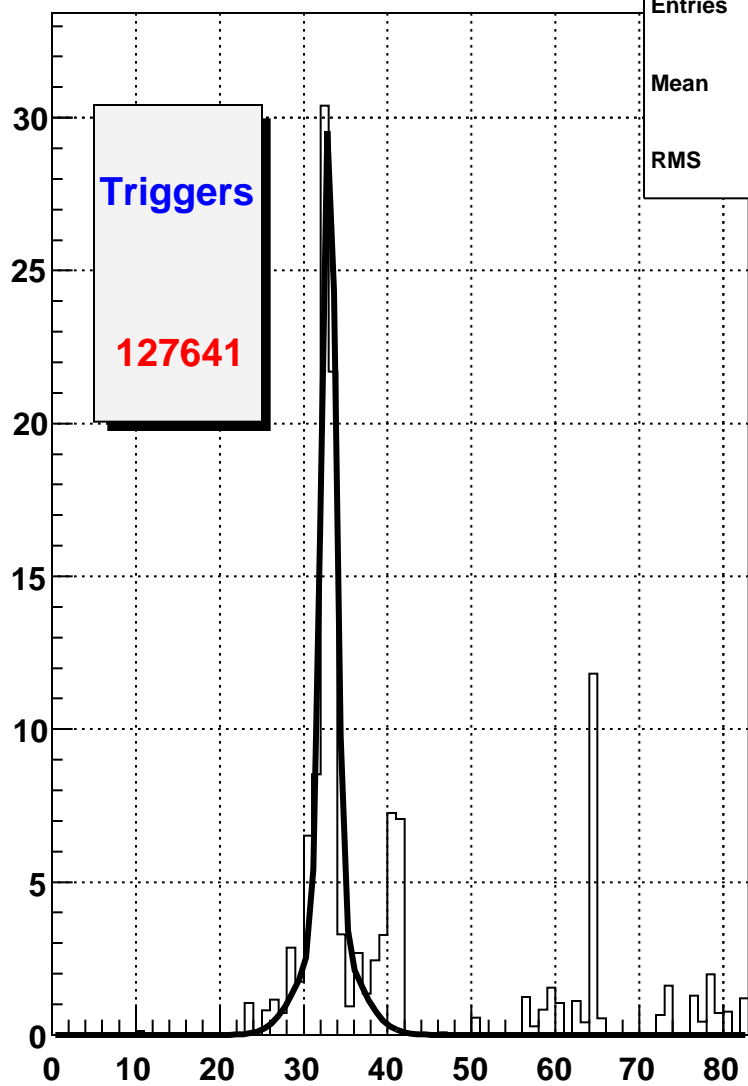


$p_T=5.3$  GeV,  $E=7.6$  GeV





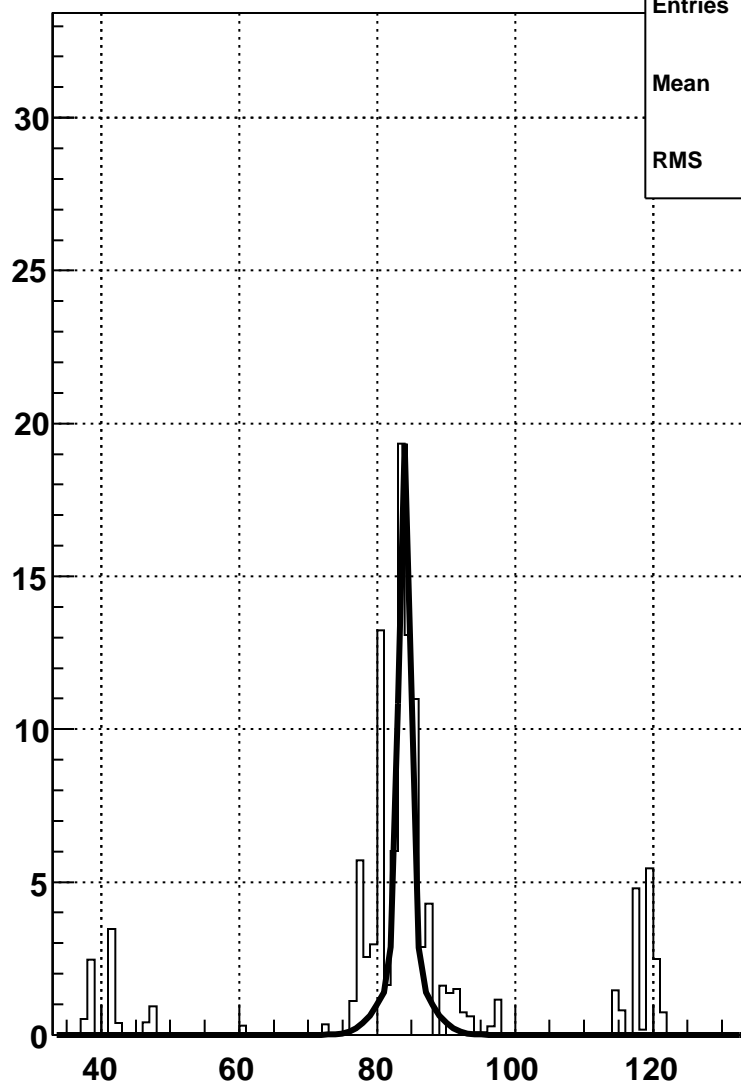
Run=7099046, Event=72710



**hSmdu**

Entries	57
Mean	40.93
RMS	14.47

$p_T=5.9$  GeV,  $E=16.5$  GeV



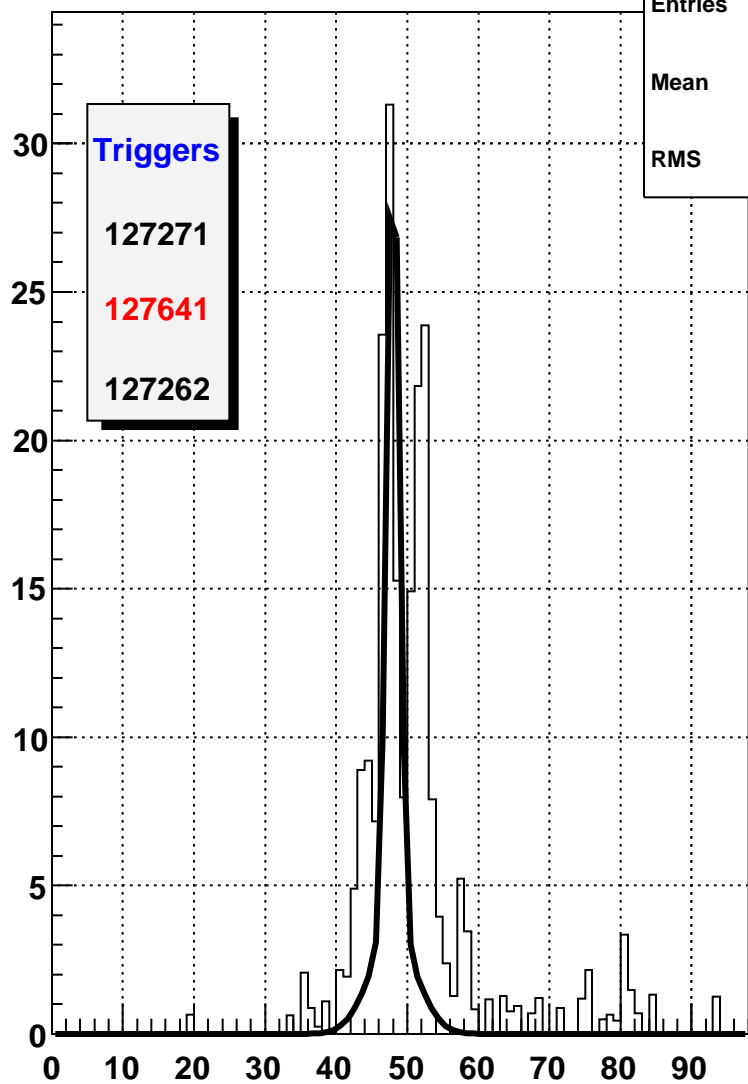
**hSmdv**

Entries	46
Mean	85.32
RMS	17.43

Run=7099047, Event=68015

**hSmdu**

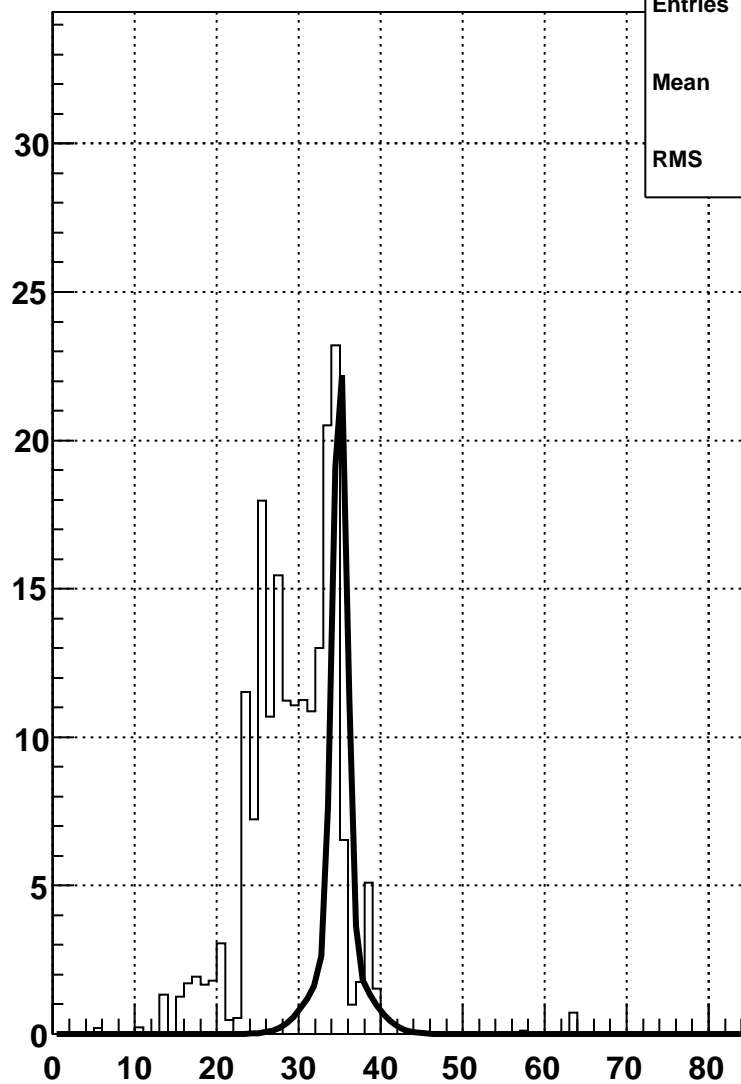
Entries	44
Mean	51.18
RMS	9.156



$p_T=8.1$  GeV,  $E=27.4$  GeV

**hSmdv**

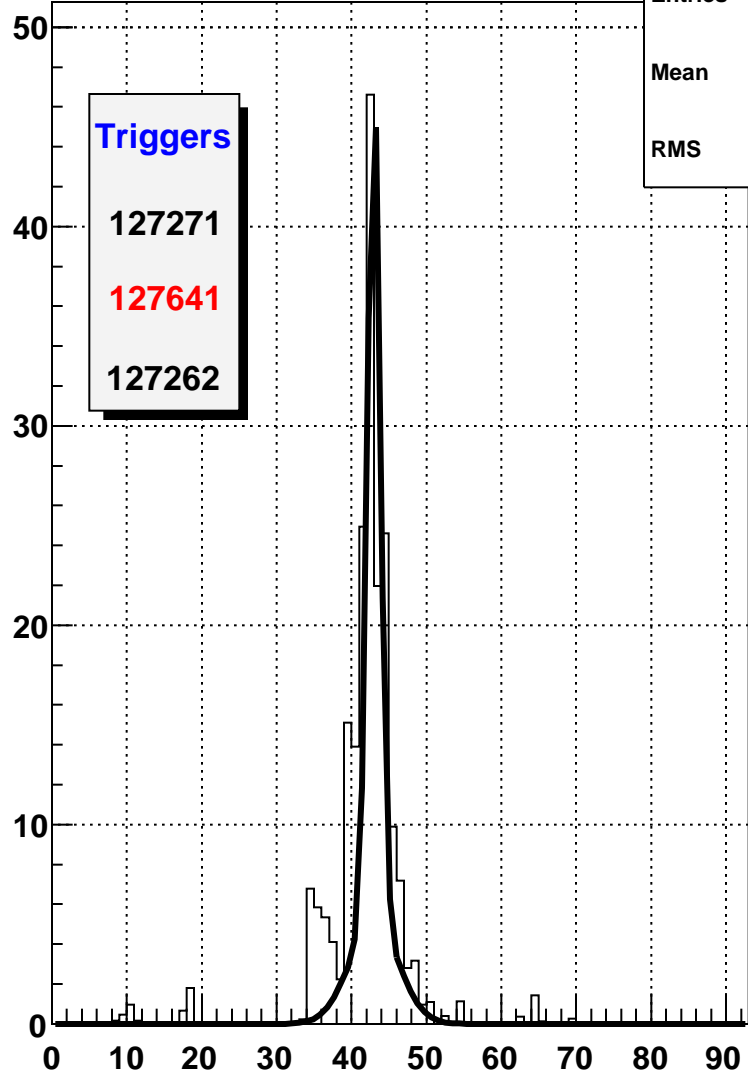
Entries	30
Mean	29.52
RMS	5.558



Run=7099047, Event=69220

**hSmdu**

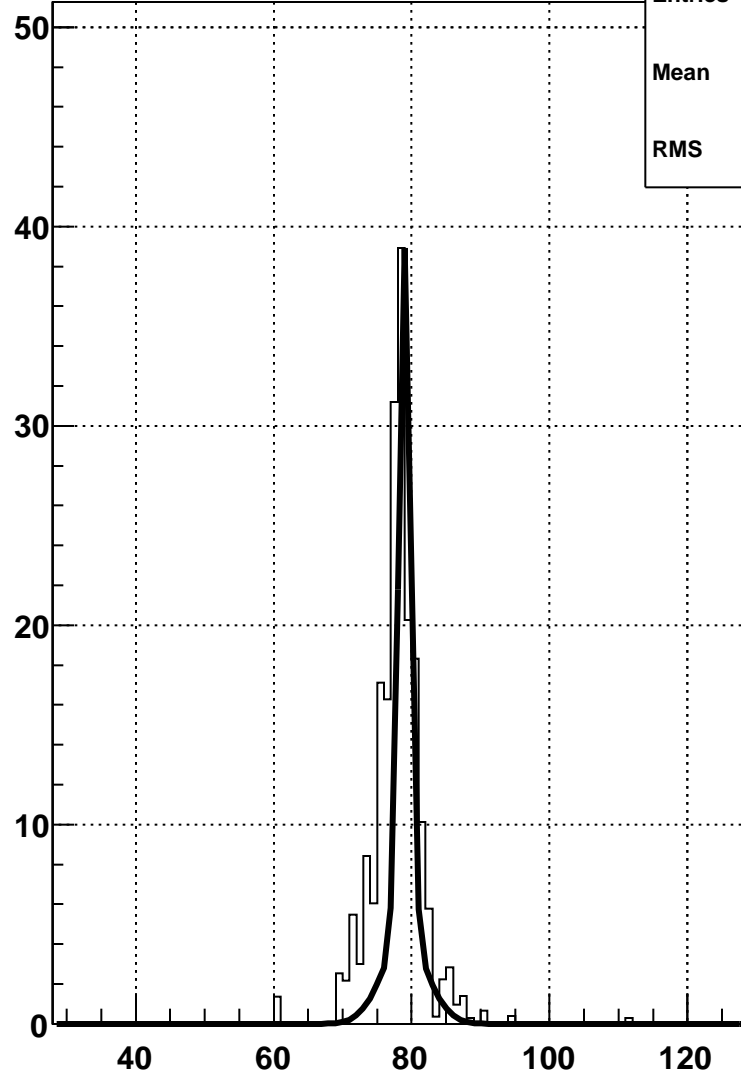
Entries	30
Mean	41.87
RMS	5.6



$p_T=9.7$  GeV,  $E=27.1$  GeV

**hSmdv**

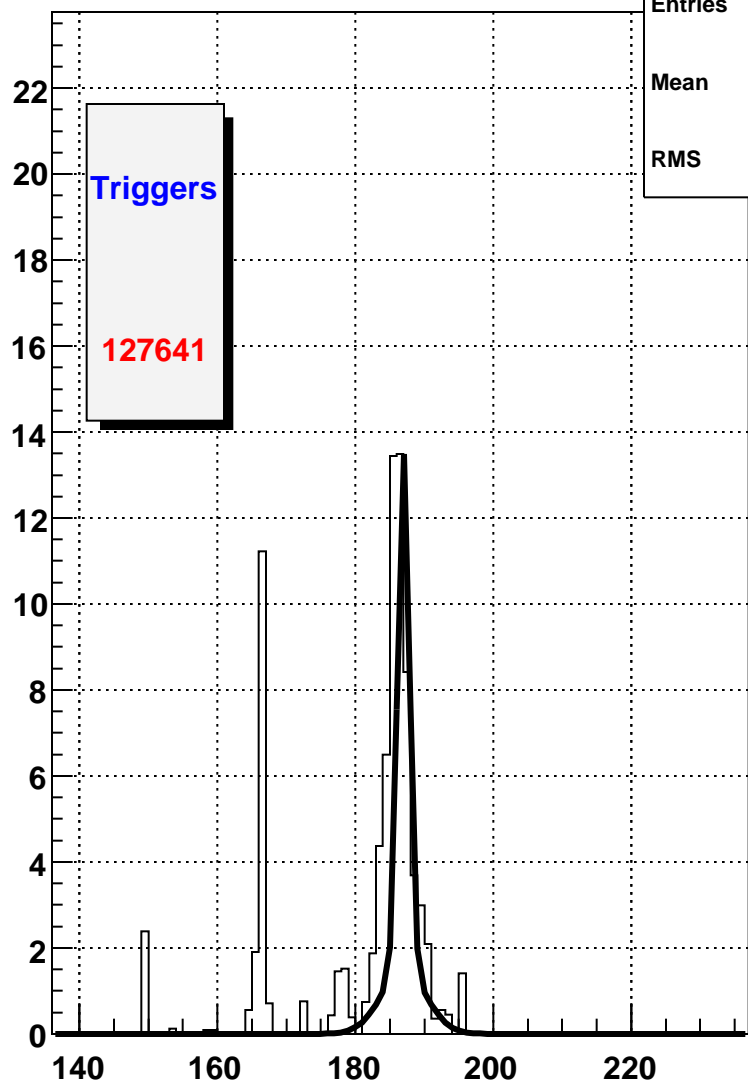
Entries	25
Mean	77.95
RMS	3.838



Run=7099047, Event=69278

hSmdu

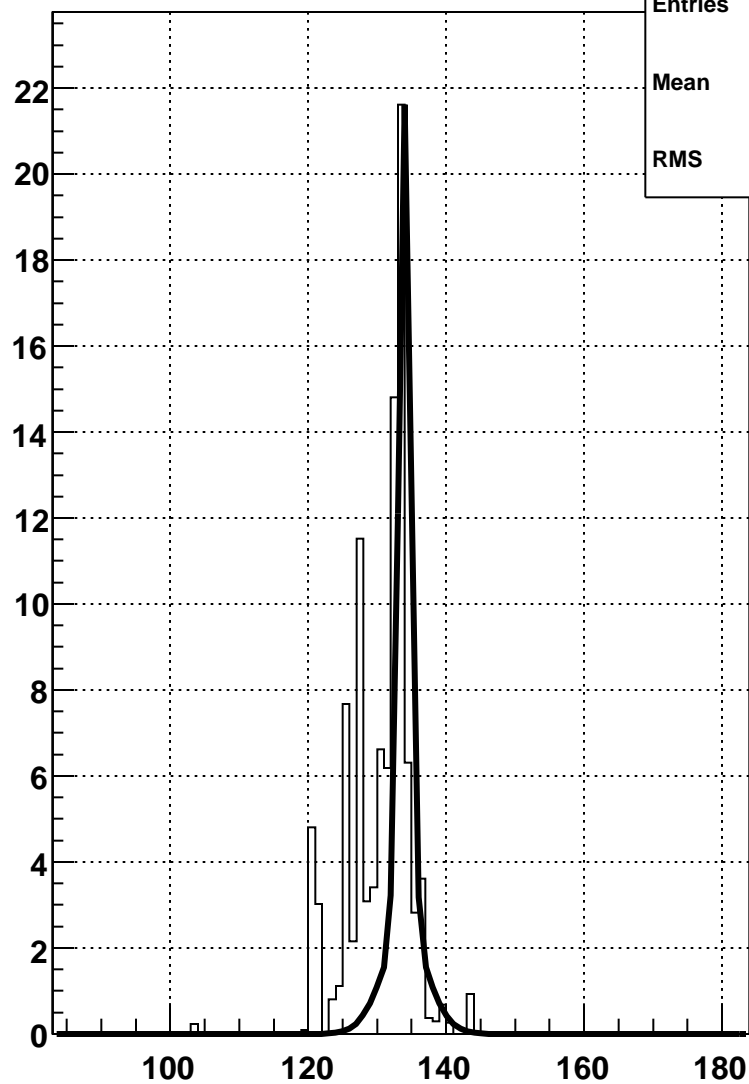
Entries	27
Mean	181.3
RMS	9.863



$p_T=5.6$  GeV,  $E=12.5$  GeV

hSmdv

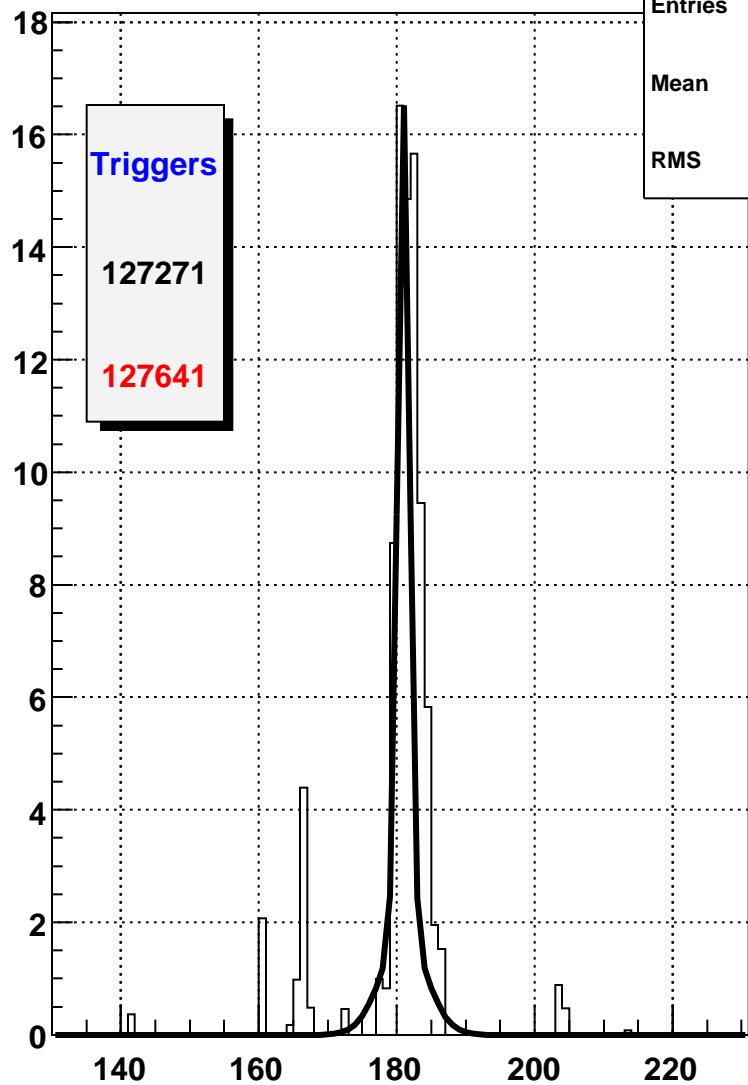
Entries	23
Mean	130.5
RMS	4.598



Run=7099047, Event=69704

**hSmdu**

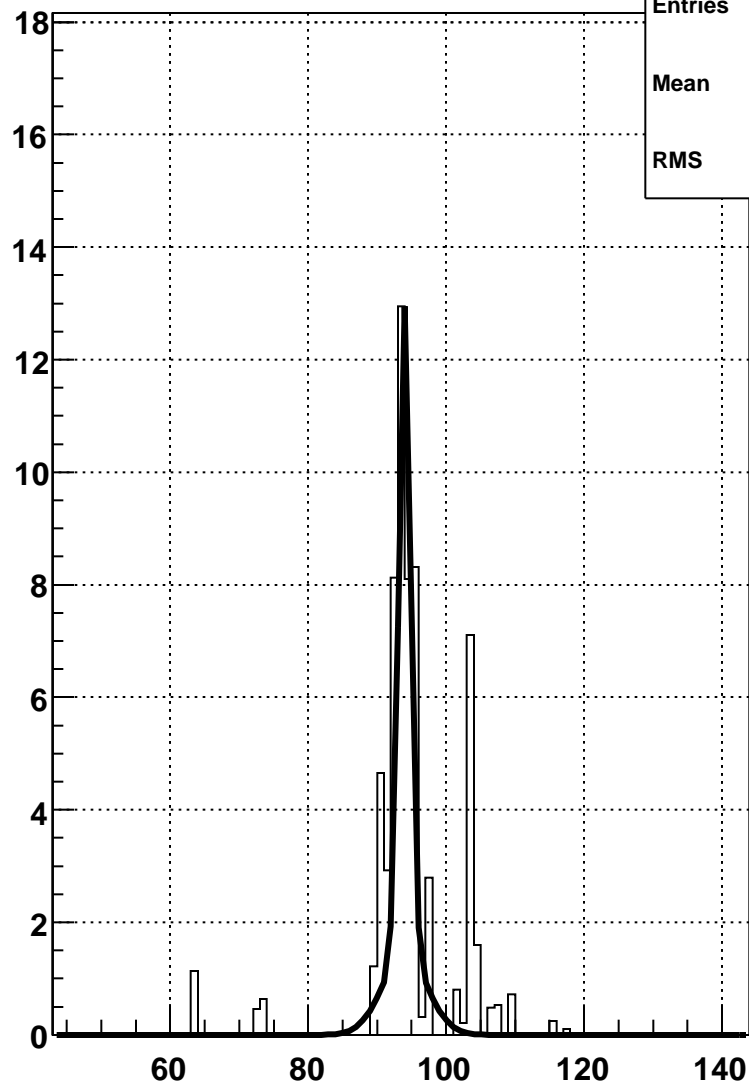
Entries	20
Mean	180.4
RMS	6.655



$p_T=6.5$  GeV,  $E=13.9$  GeV

**hSmdv**

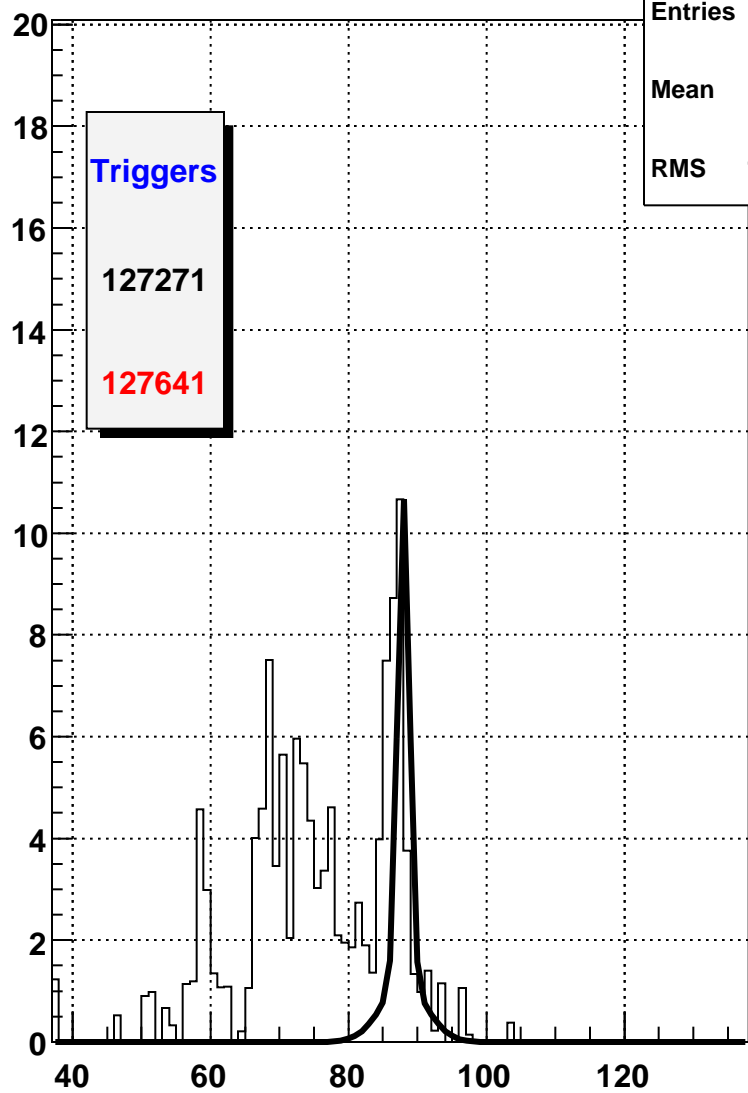
Entries	21
Mean	94.72
RMS	6.971



Run=7099047, Event=69891

**hSmdu**

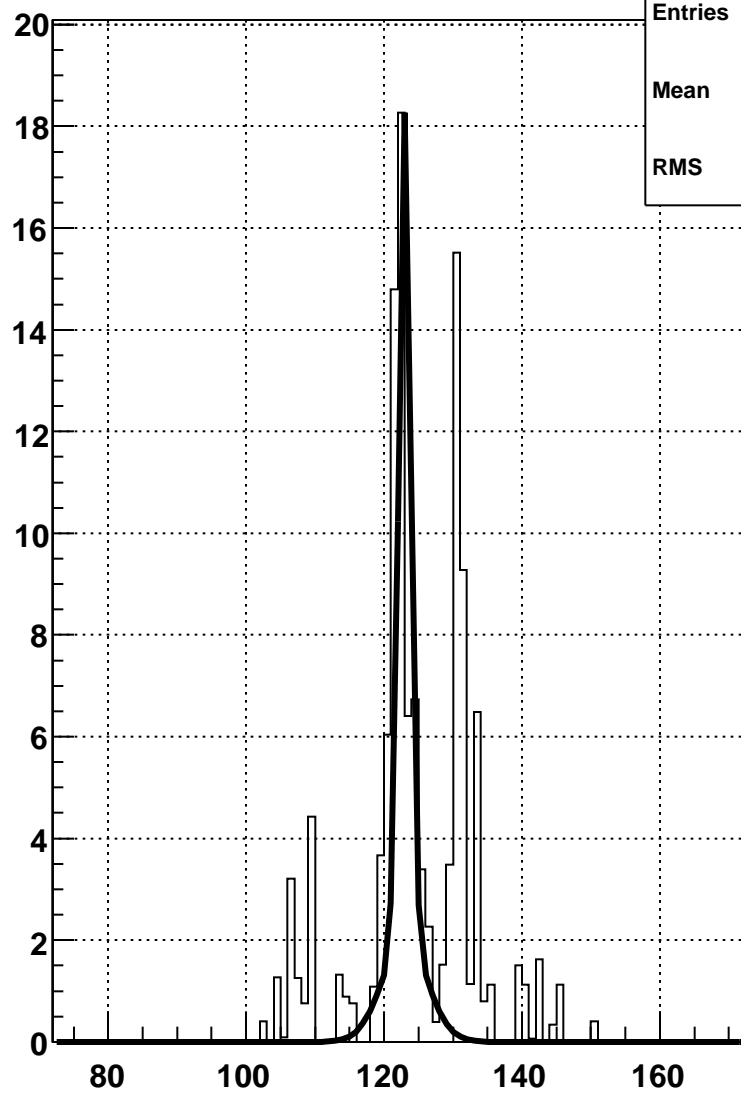
Entries 46  
Mean 75.51  
RMS 11.13



$p_T=5.9$  GeV,  $E=13.3$  GeV

**hSmdv**

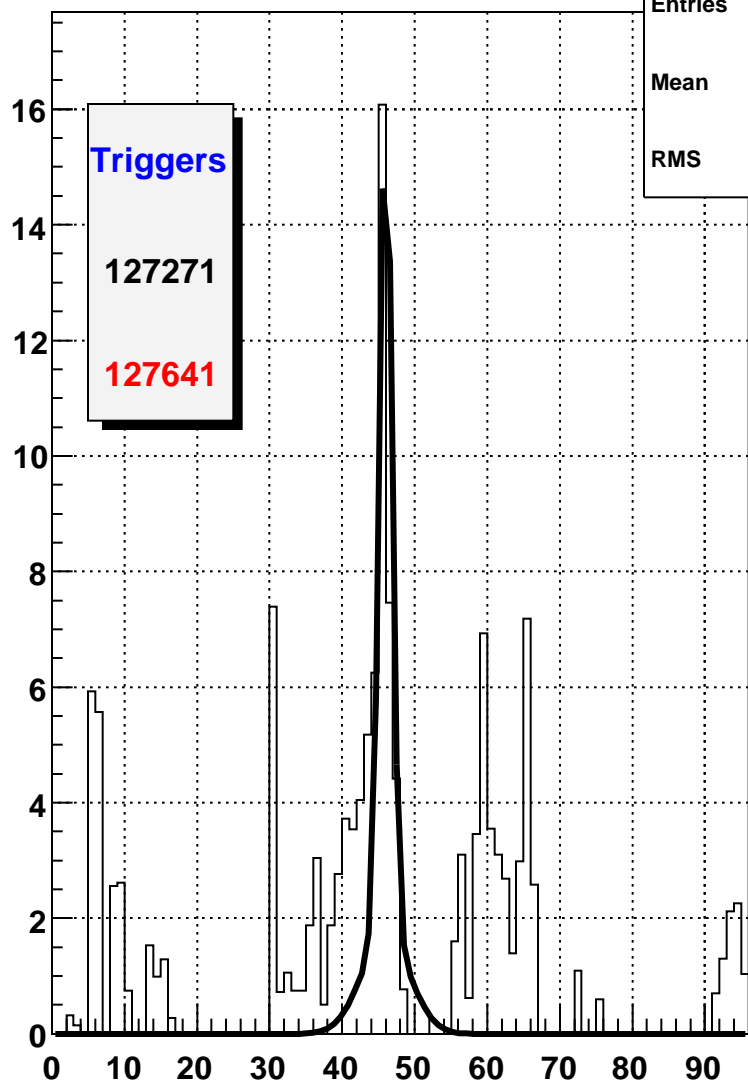
Entries 35  
Mean 124.7  
RMS 8.119



Run=7099047, Event=70587

**hSmdu**

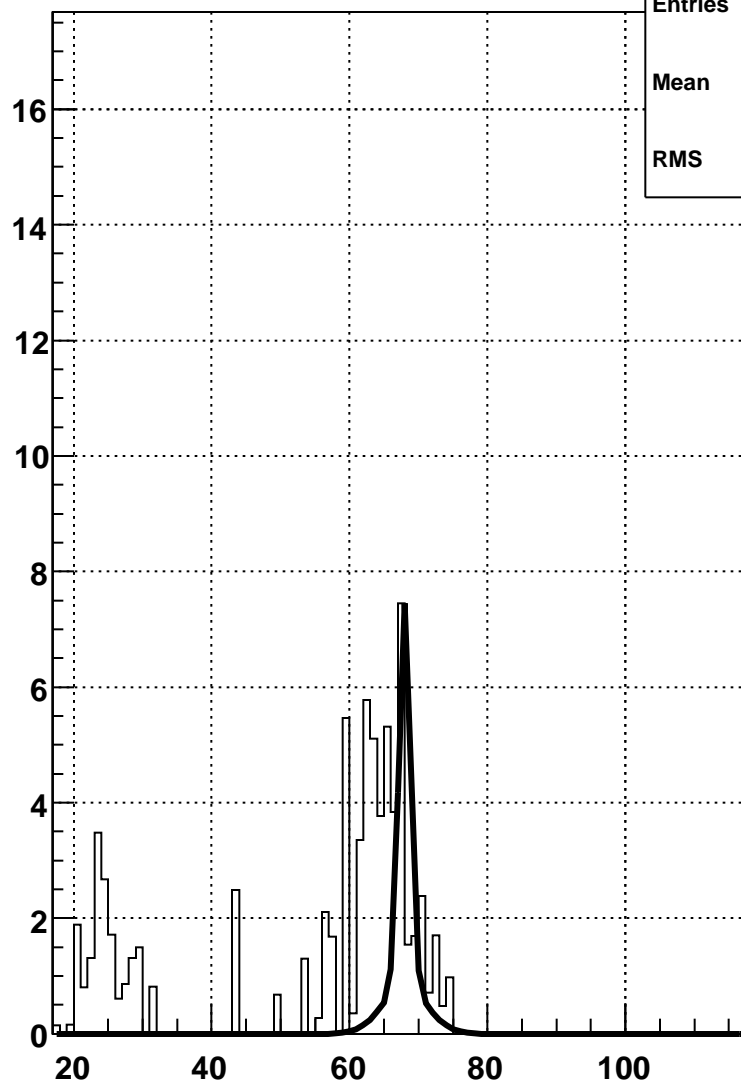
Entries	55
Mean	45.1
RMS	20.97



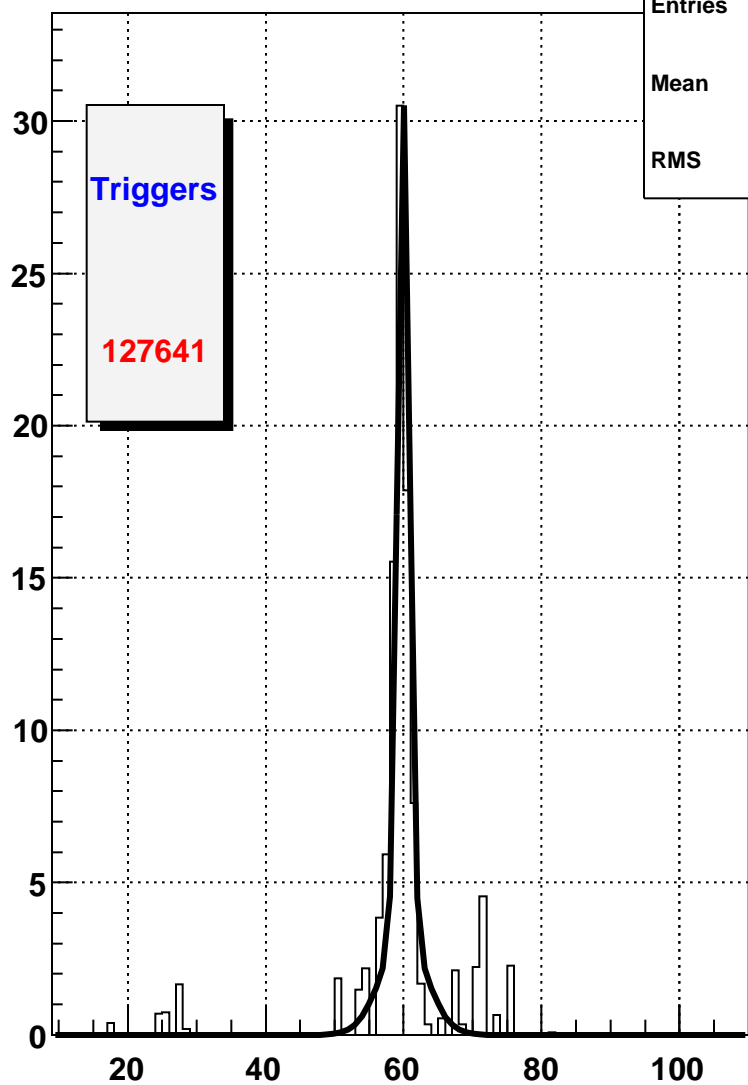
$p_T=5.3$  GeV,  $E=24.0$  GeV

**hSmdv**

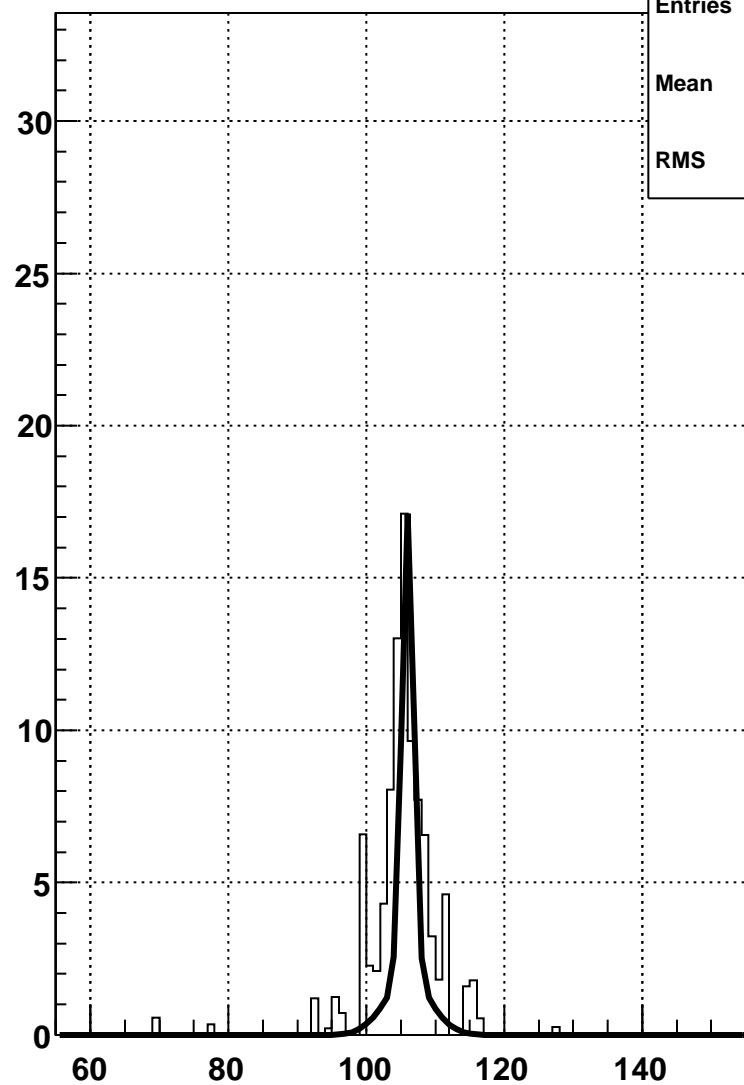
Entries	48
Mean	54.58
RMS	17.13



Run=7099047, Event=71795



$p_T=5.3$  GeV,  $E=14.7$  GeV

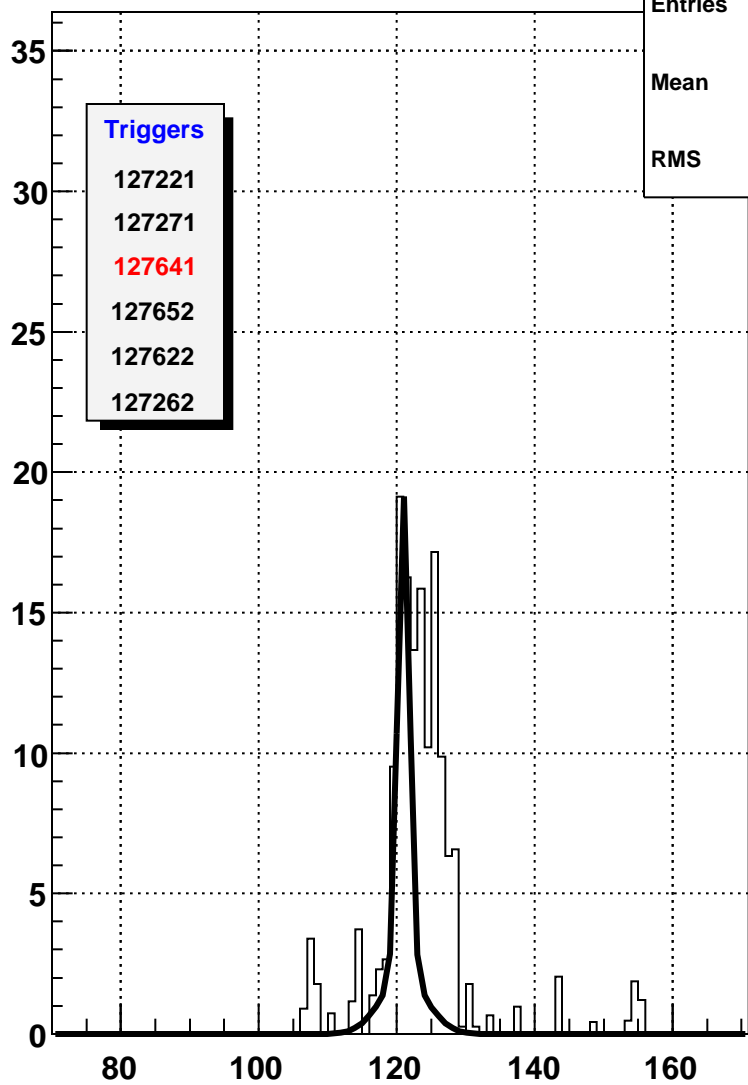




Run=7099047, Event=71867

**hSmdu**

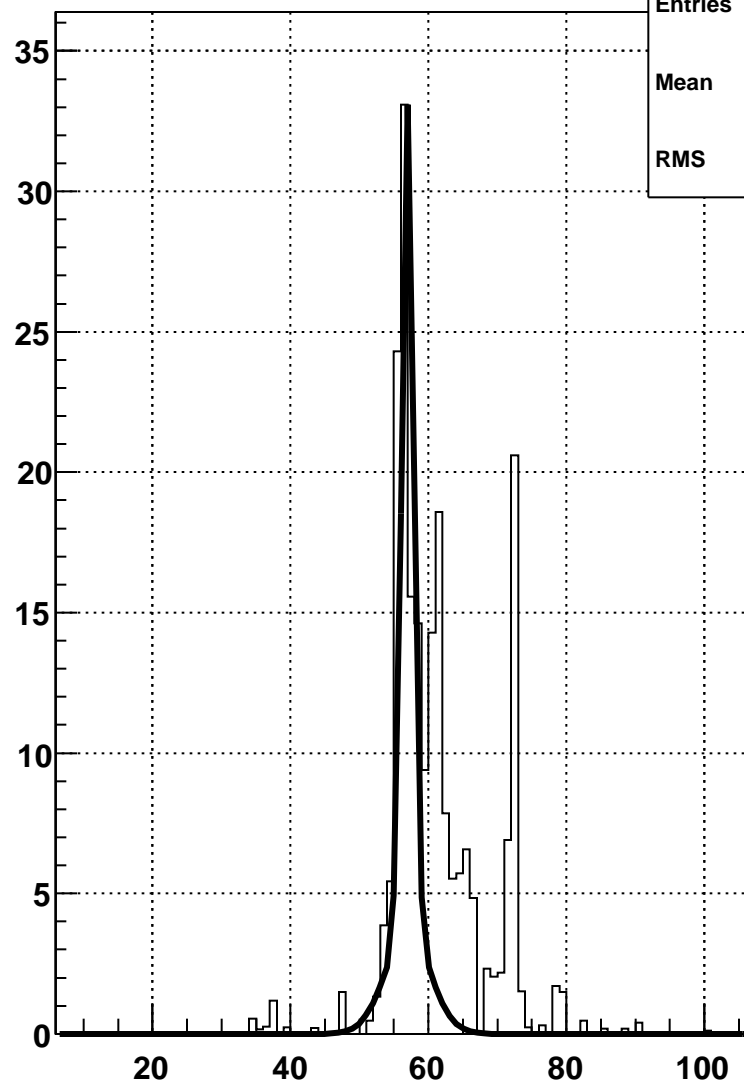
Entries	29
Mean	123.5
RMS	7.246



$p_T=8.4$  GeV,  $E=18.7$  GeV

**hSmdv**

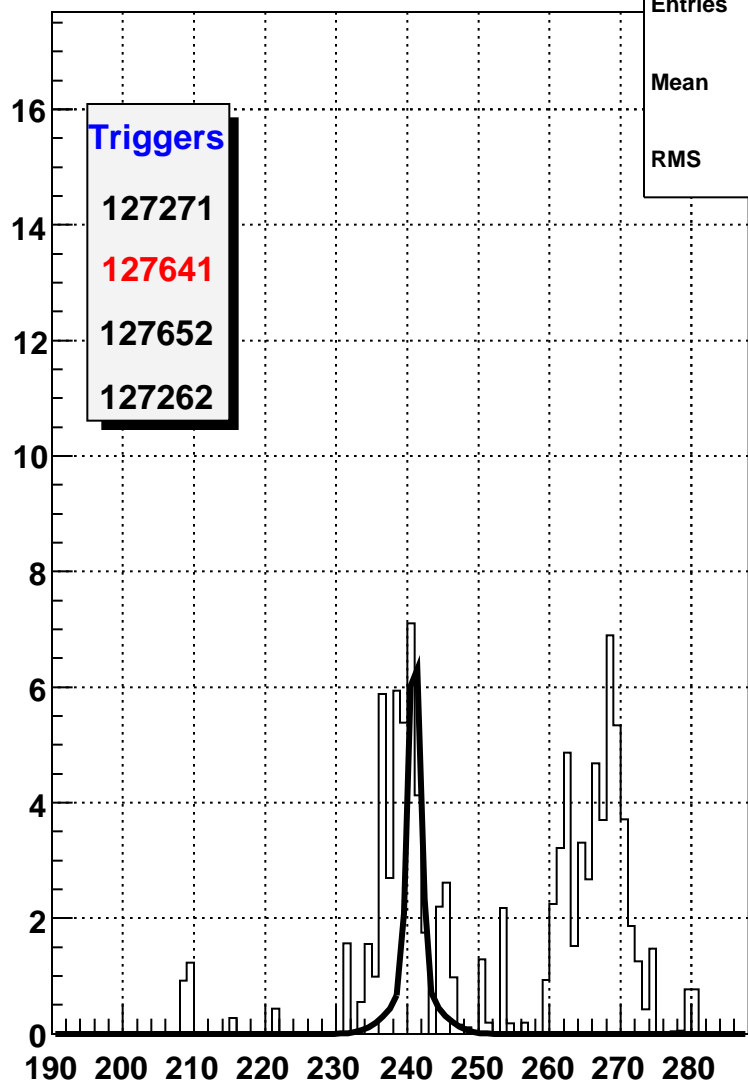
Entries	38
Mean	61.18
RMS	7.047



Run=7099047, Event=59782

**hSmdu**

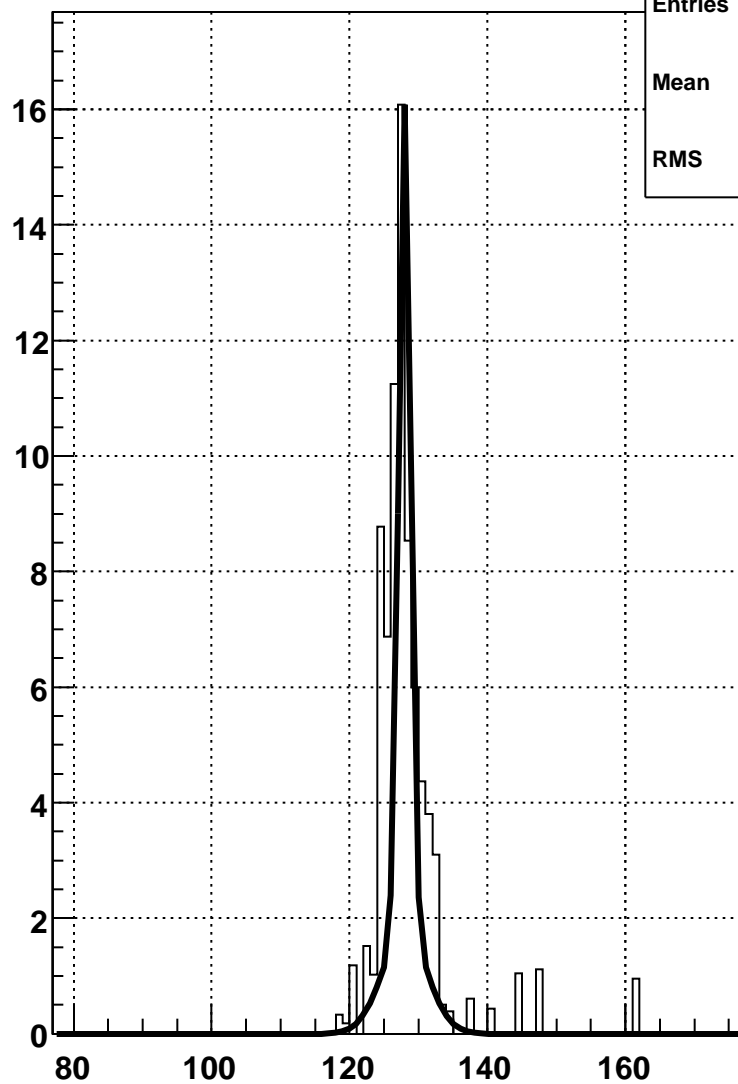
Entries	46
Mean	253
RMS	15.57



$p_T=6.0$  GeV,  $E=11.7$  GeV

**hSmdv**

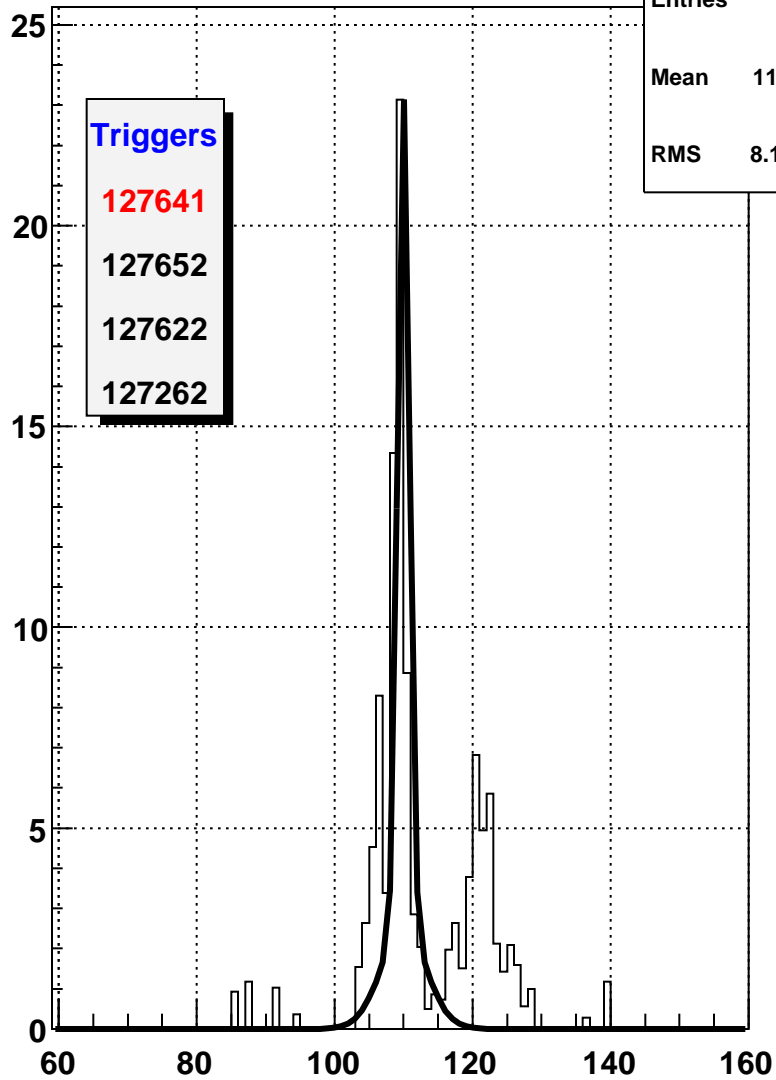
Entries	38
Mean	128.5
RMS	5.57



Run=7099047, Event=59915

**hSmdu**

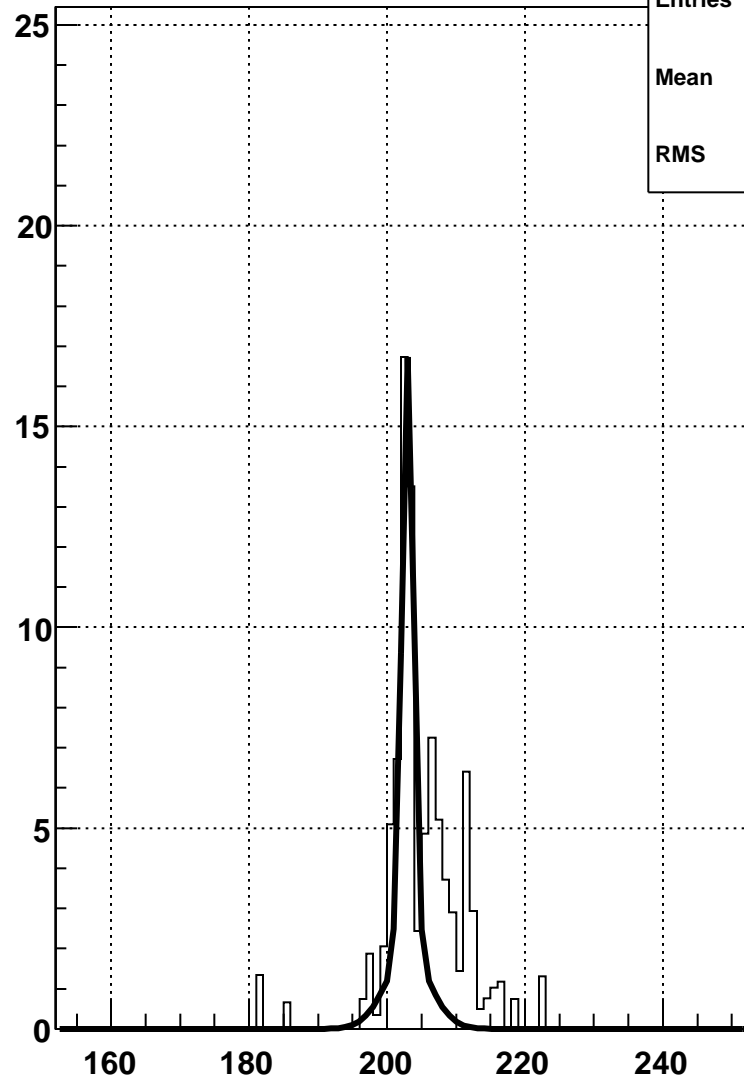
Entries	32
Mean	112.6
RMS	8.159



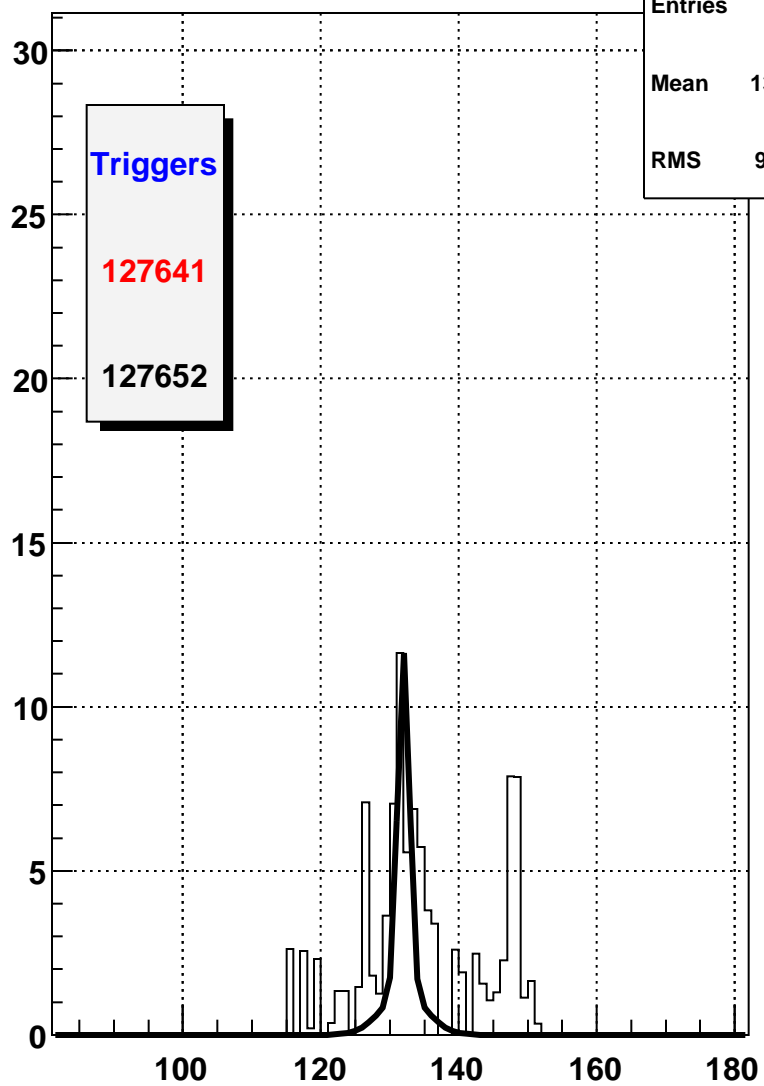
$p_T=7.5$  GeV,  $E=14.7$  GeV

**hSmdv**

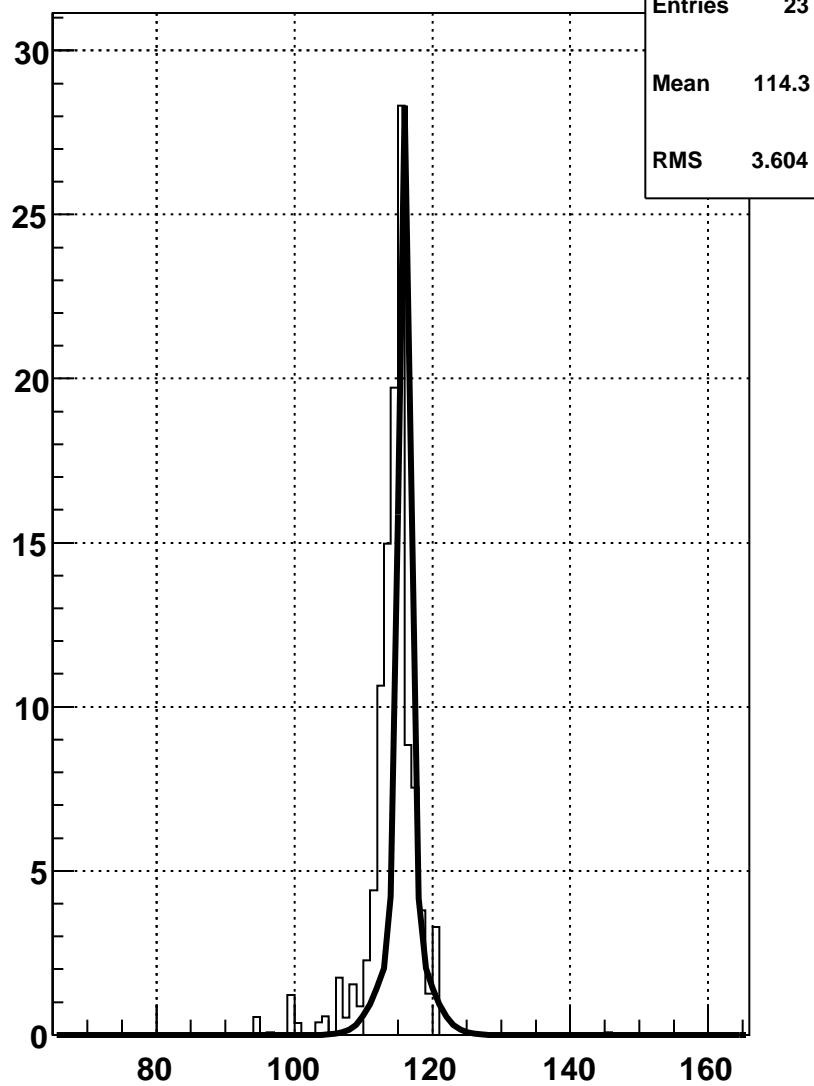
Entries	26
Mean	205
RMS	5.817



Run=7099047, Event=60176



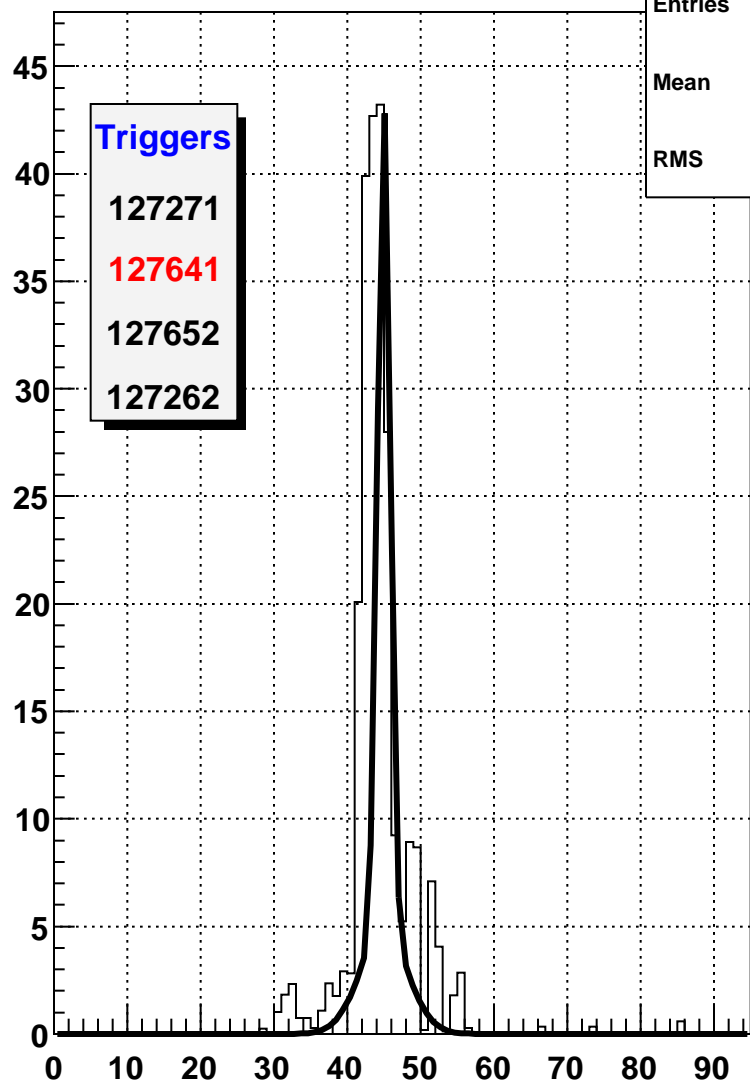
$p_T=5.1$  GeV,  $E=14.8$  GeV



Run=7099047, Event=62583

**hSmdu**

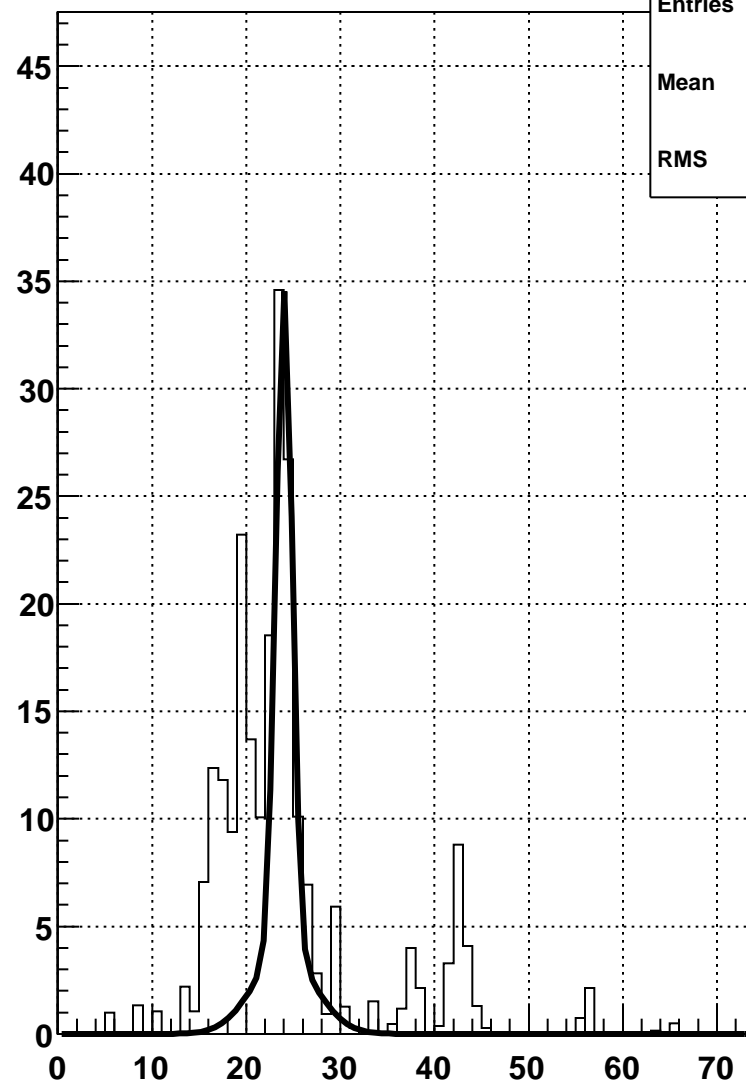
Entries	31
Mean	44.45
RMS	4.523



$p_T=9.4$  GeV,  $E=36.7$  GeV

**hSmdv**

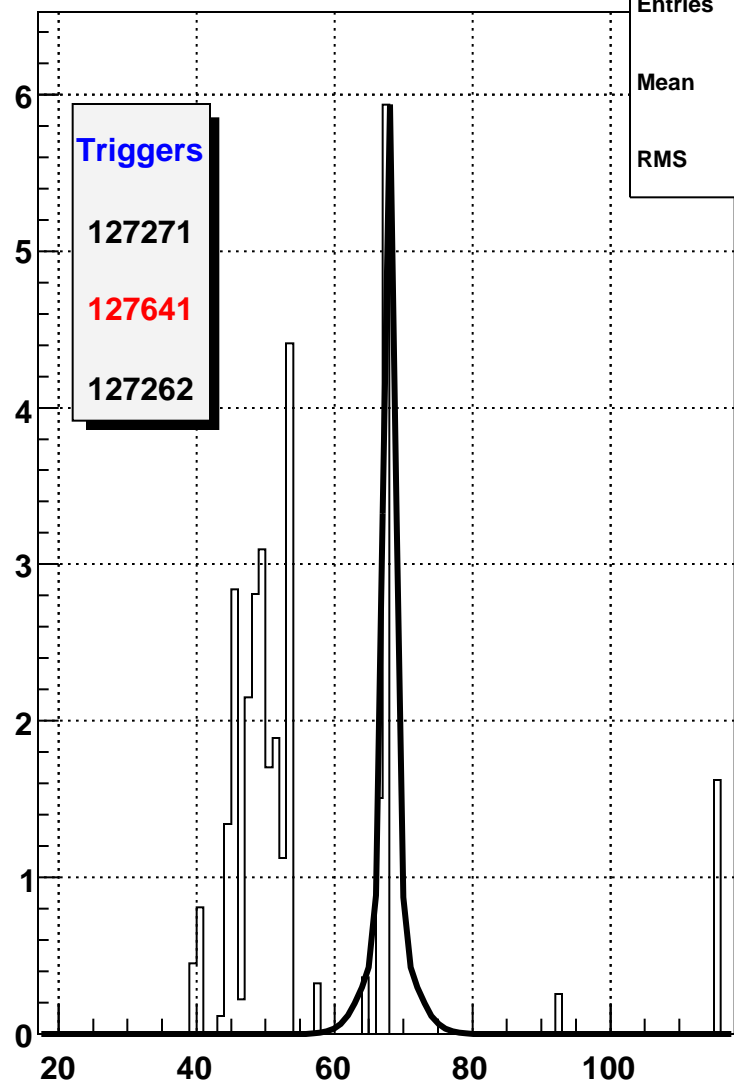
Entries	37
Mean	24.39
RMS	8.344



Run=7099047, Event=62907

**hSmdu**

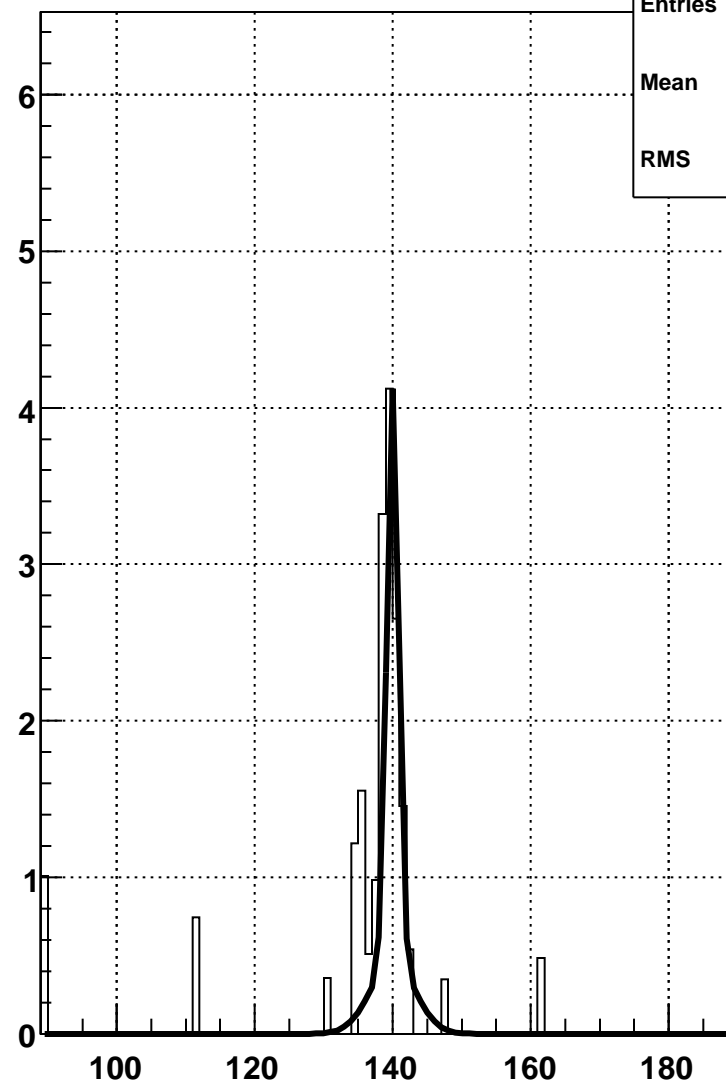
Entries	28
Mean	56.98
RMS	16



$p_T=7.3$  GeV,  $E=13.8$  GeV

**hSmdv**

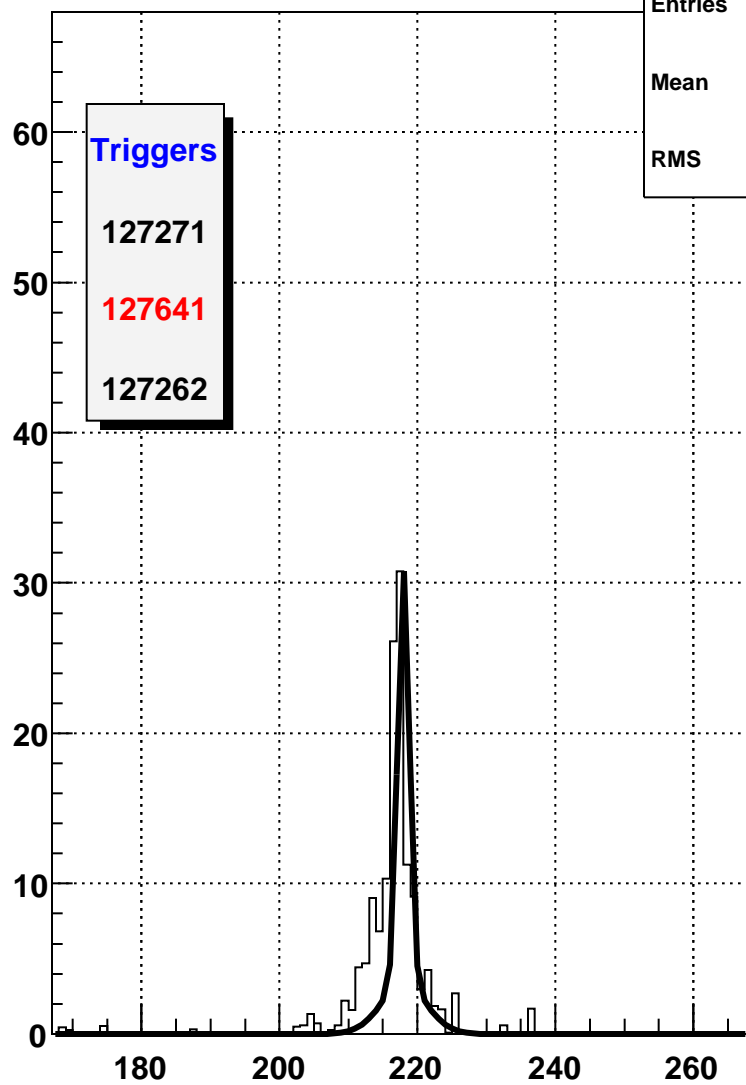
Entries	25
Mean	135.7
RMS	12.87



Run=7099047, Event=62951

**hSmdu**

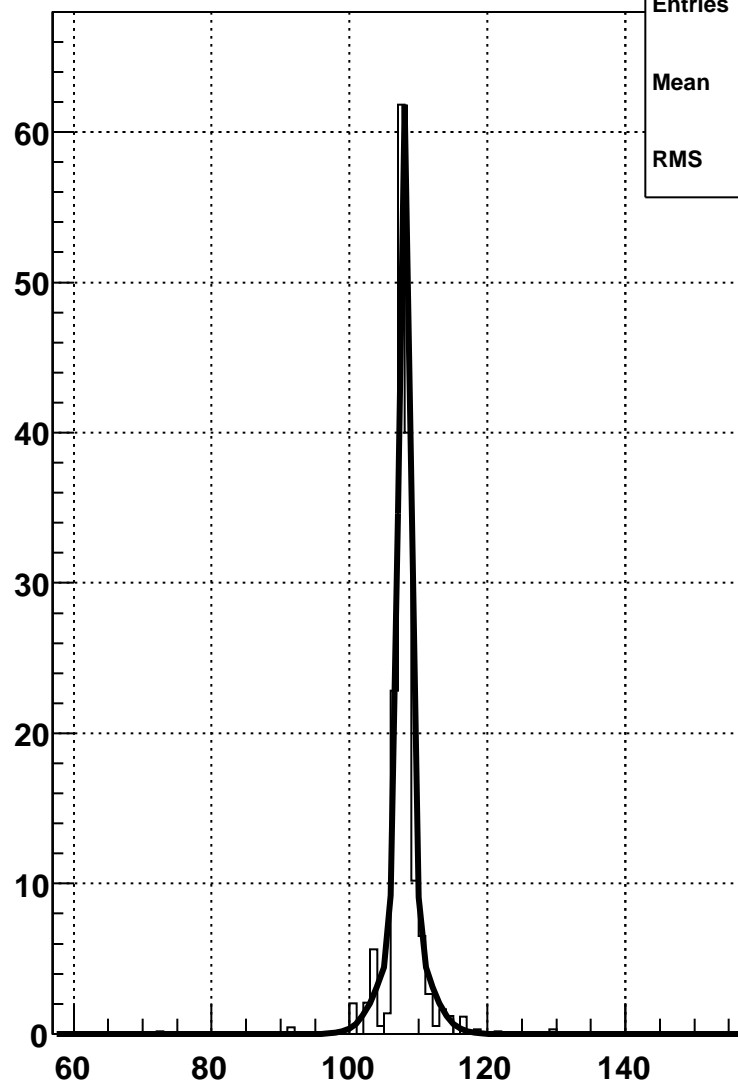
Entries	32
Mean	216.3
RMS	6.258



$p_T=5.9$  GeV,  $E=14.7$  GeV

**hSmdv**

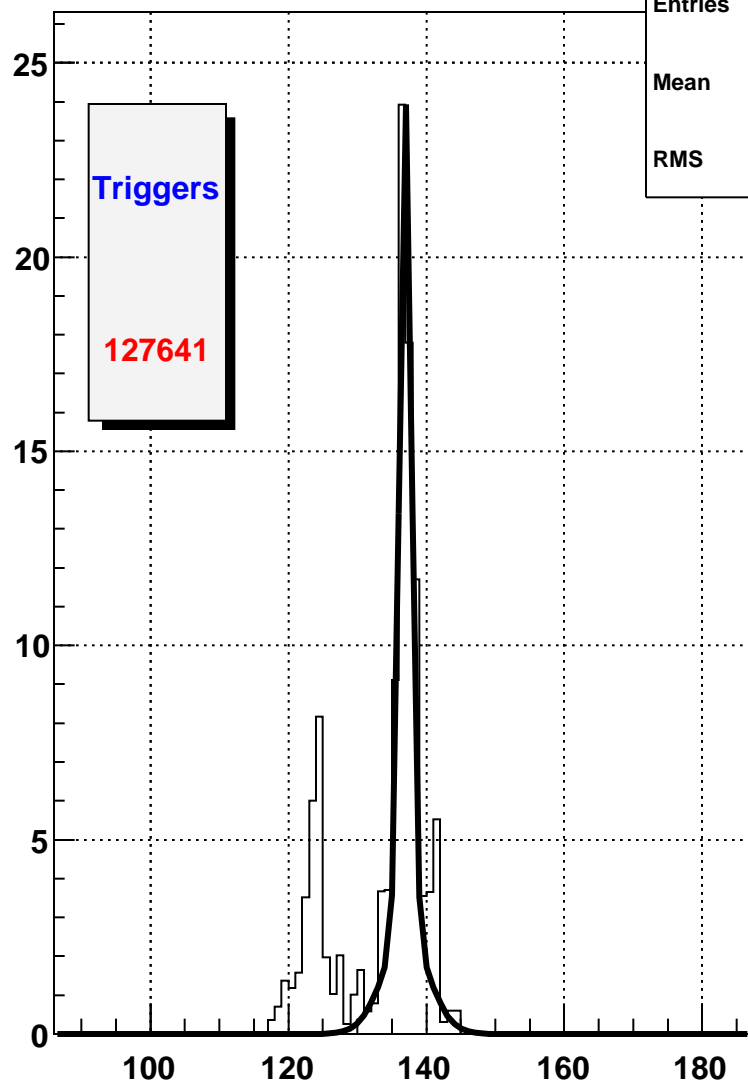
Entries	21
Mean	107.8
RMS	2.779



Run=7099047, Event=6208

**hSmdu**

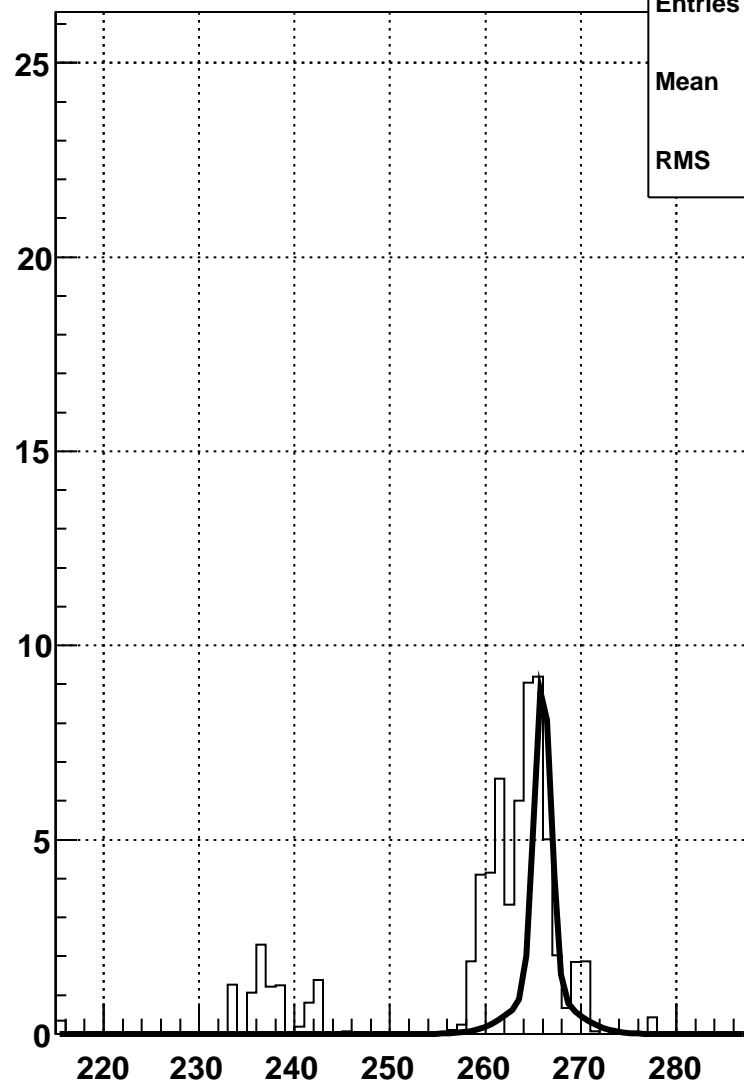
Entries	28
Mean	133.9
RMS	6.26



$p_T=5.5$  GeV,  $E=10.8$  GeV

**hSmdv**

Entries	29
Mean	260
RMS	10.21

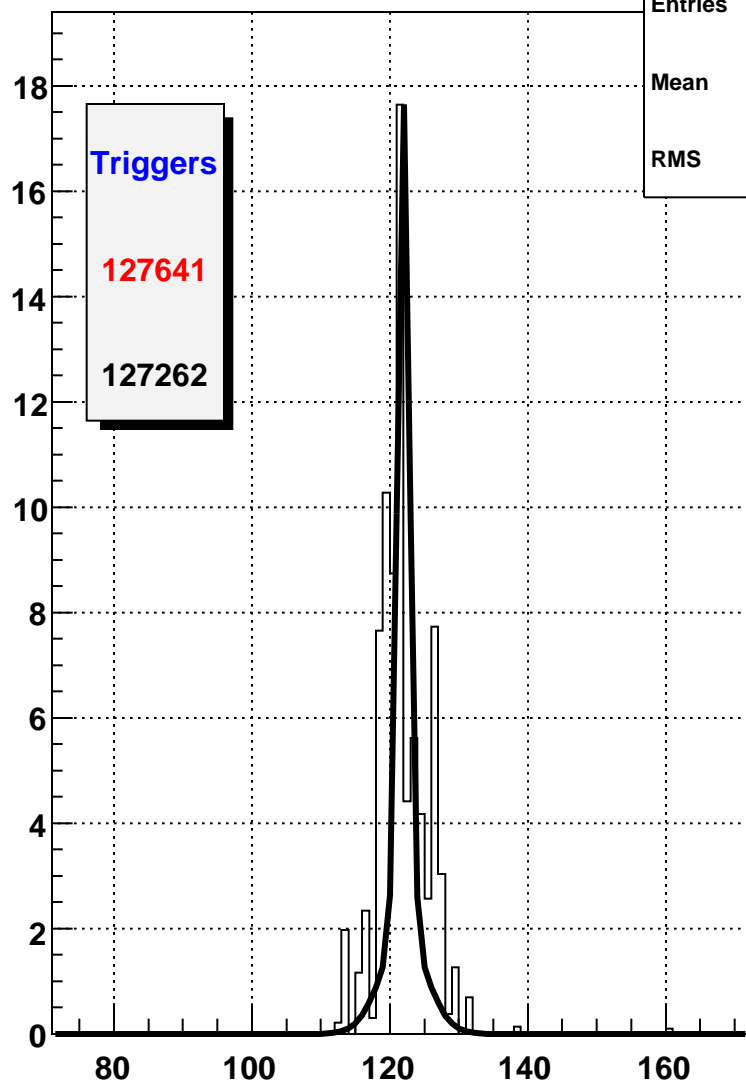




Run=7099047, Event=6451

**hSmdu**

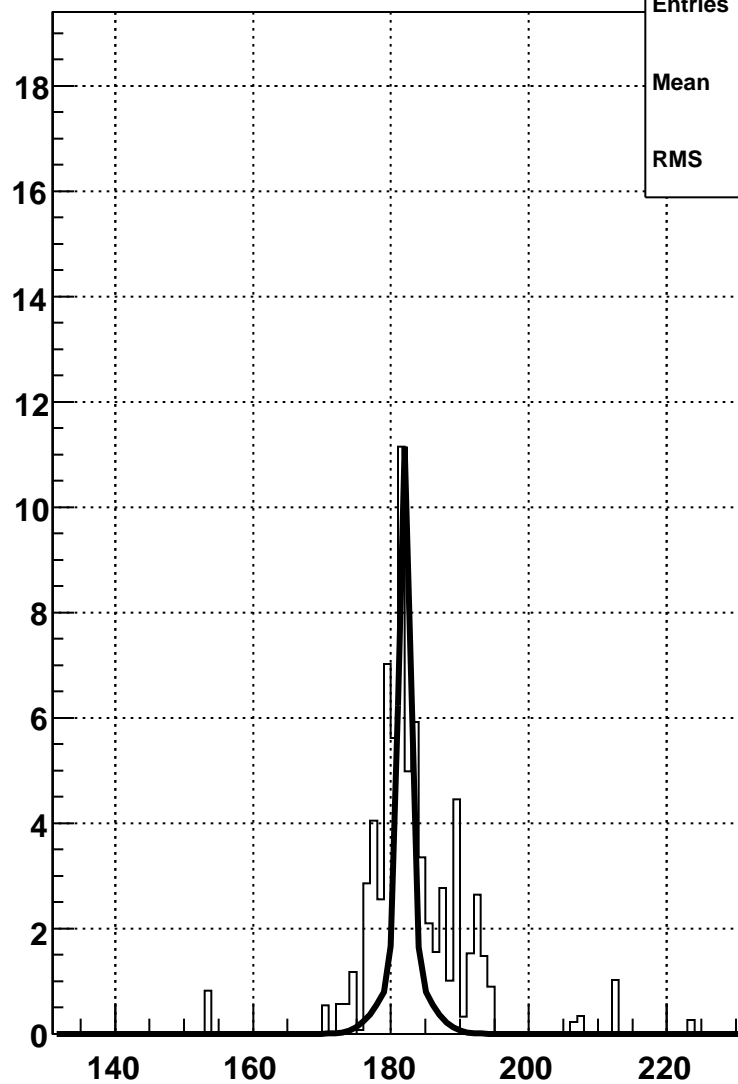
Entries	20
Mean	121.9
RMS	3.738



$p_T=5.2$  GeV,  $E=11.6$  GeV

**hSmdv**

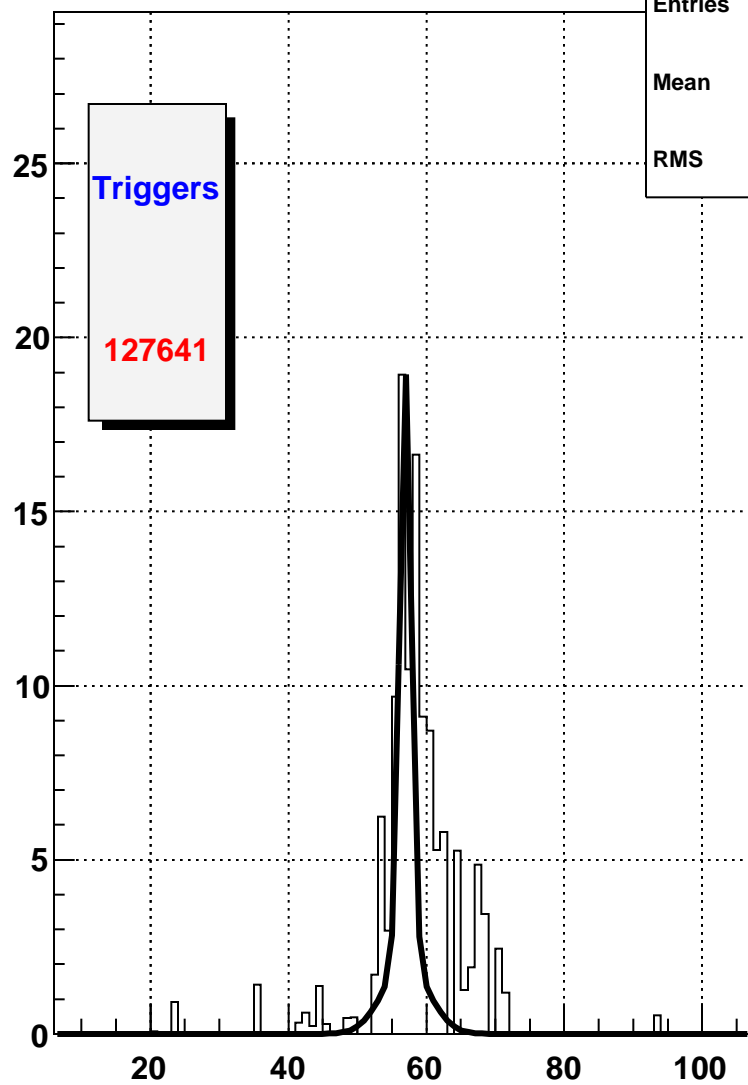
Entries	29
Mean	183.3
RMS	7.497



Run=7099047, Event=6676

**hSmdu**

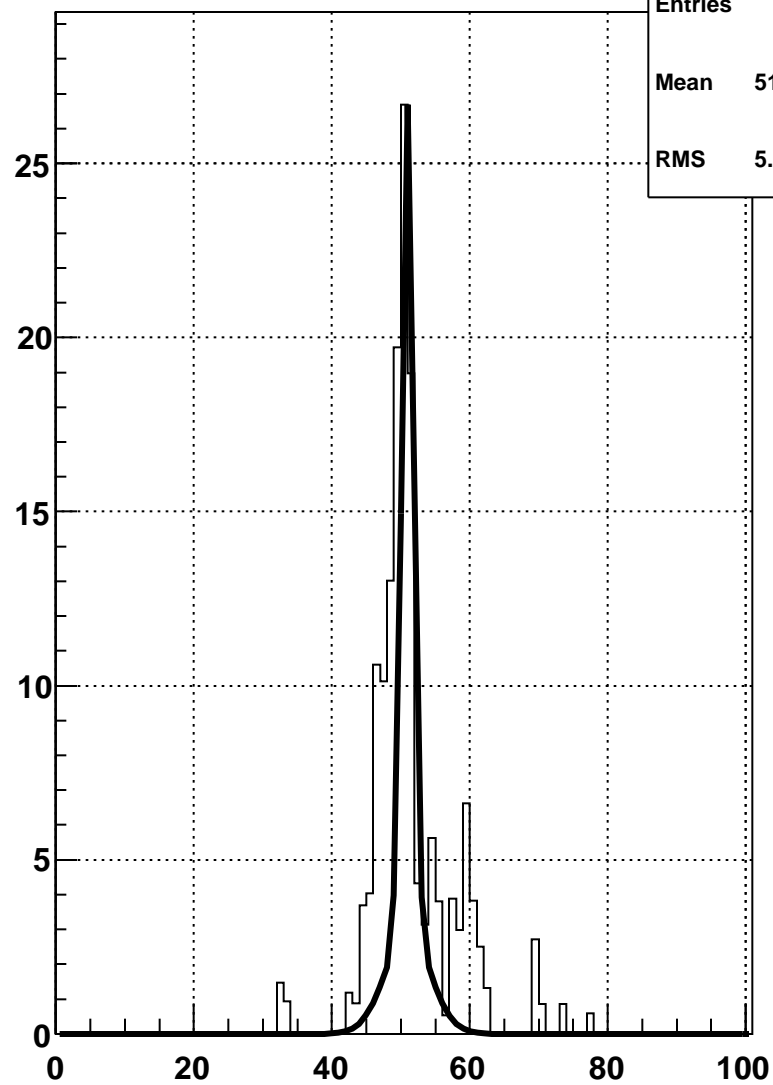
Entries	29
Mean	58.62
RMS	6.769



$p_T=5.6$  GeV,  $E=17.1$  GeV

**hSmdv**

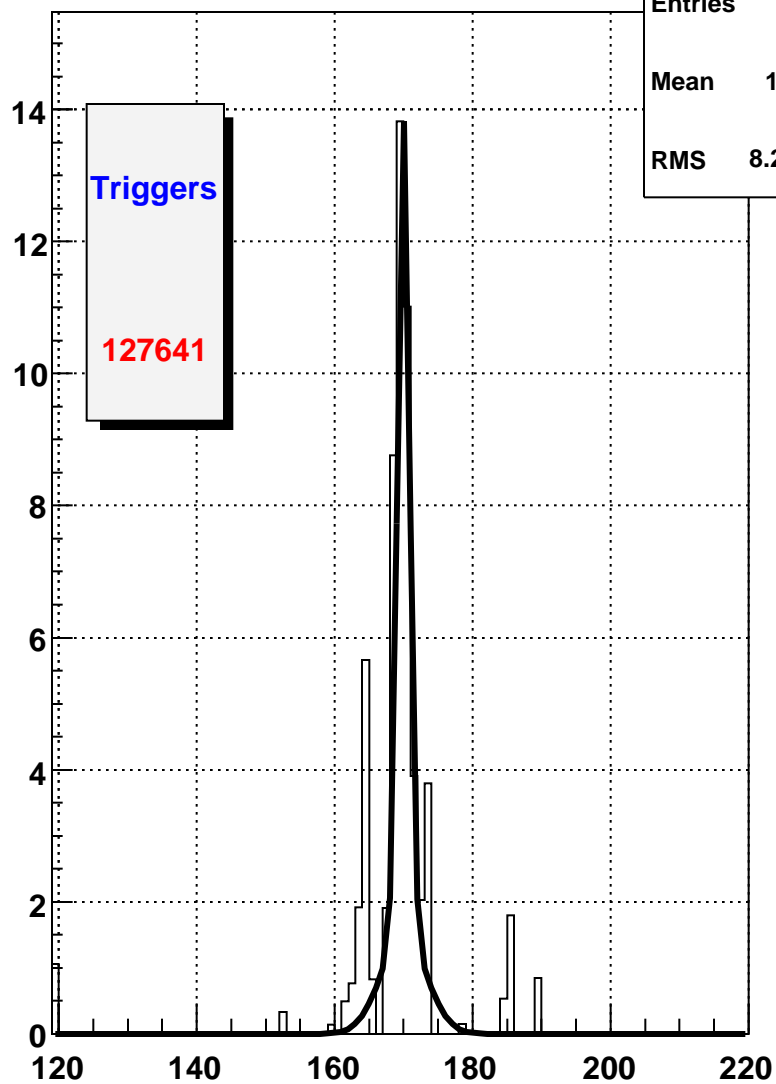
Entries	27
Mean	51.53
RMS	5.975



Run=7099047, Event=7210

**hSmdu**

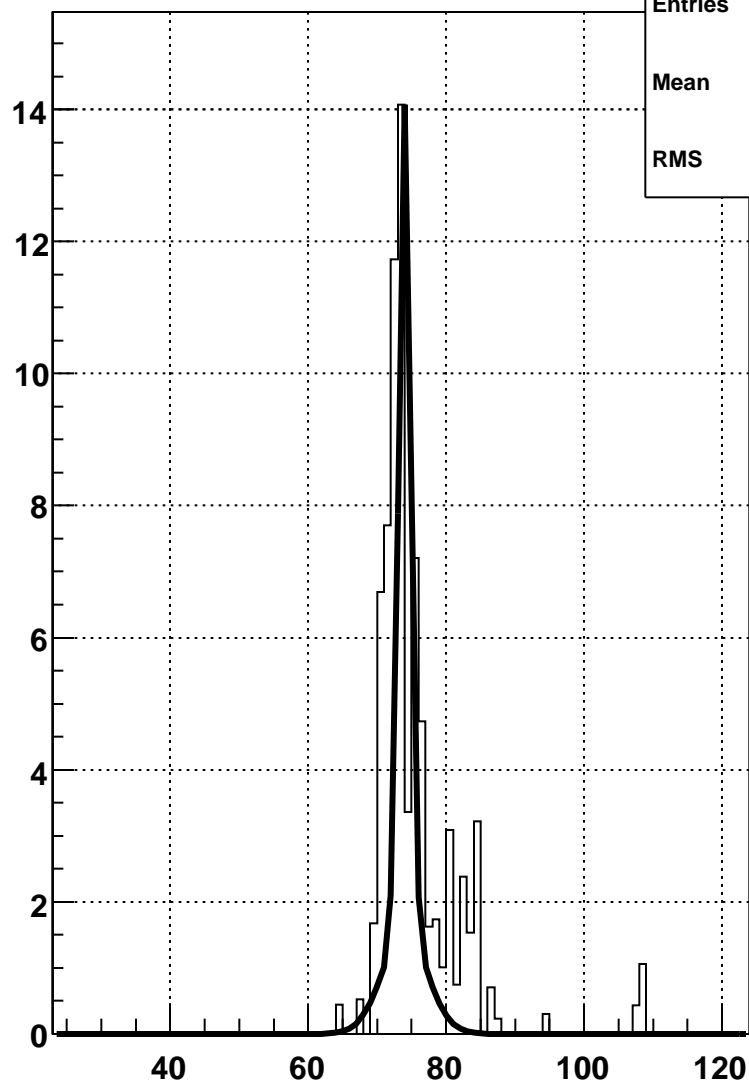
Entries	26
Mean	169
RMS	8.261



$p_T=7.3$  GeV,  $E=12.0$  GeV

**hSmdv**

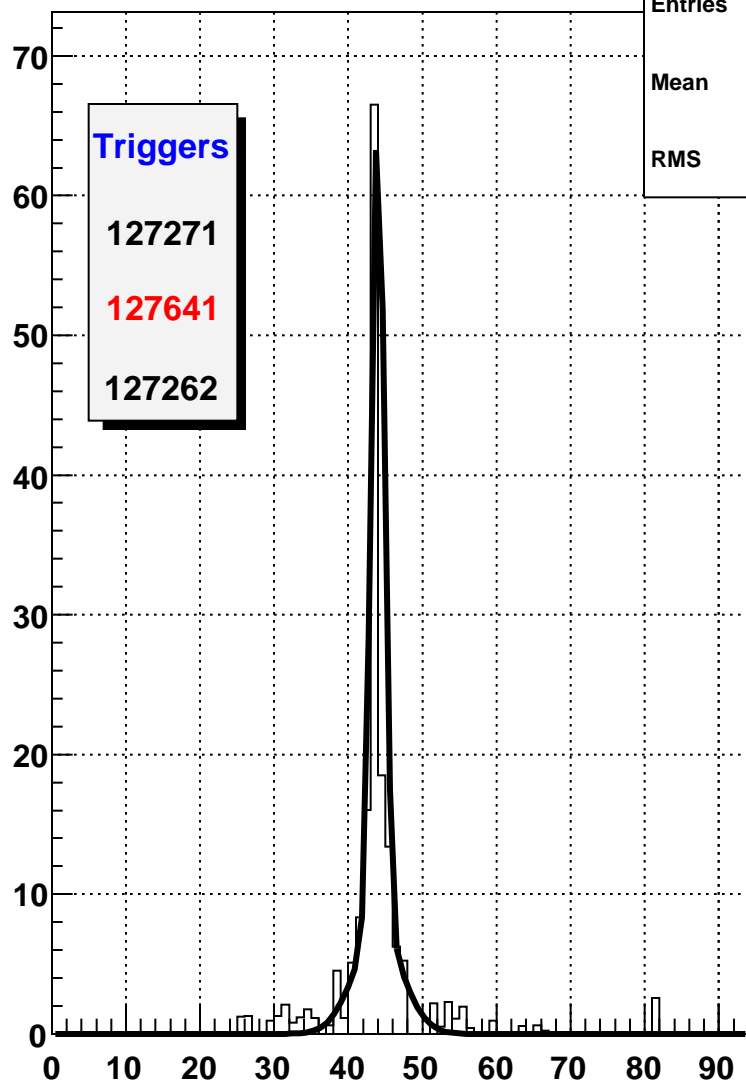
Entries	46
Mean	75.63
RMS	6.325



Run=7099047, Event=7556

**hSmdu**

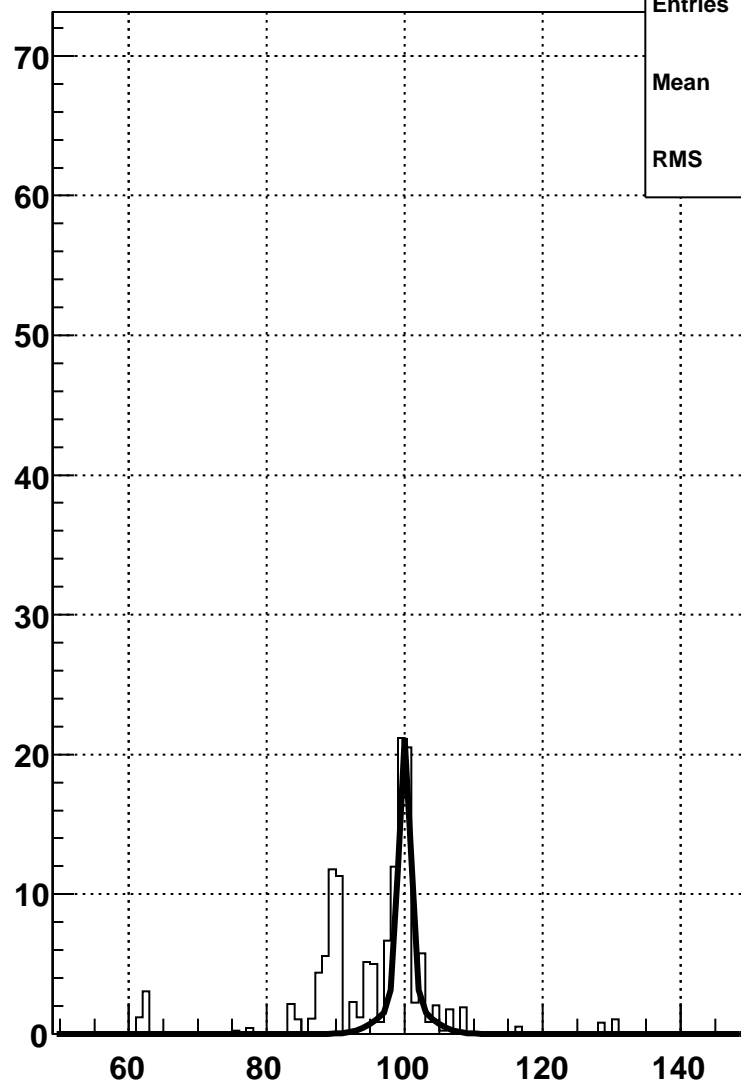
Entries	31
Mean	44.03
RMS	6.766



$p_T=7.6$  GeV,  $E=24.1$  GeV

**hSmdv**

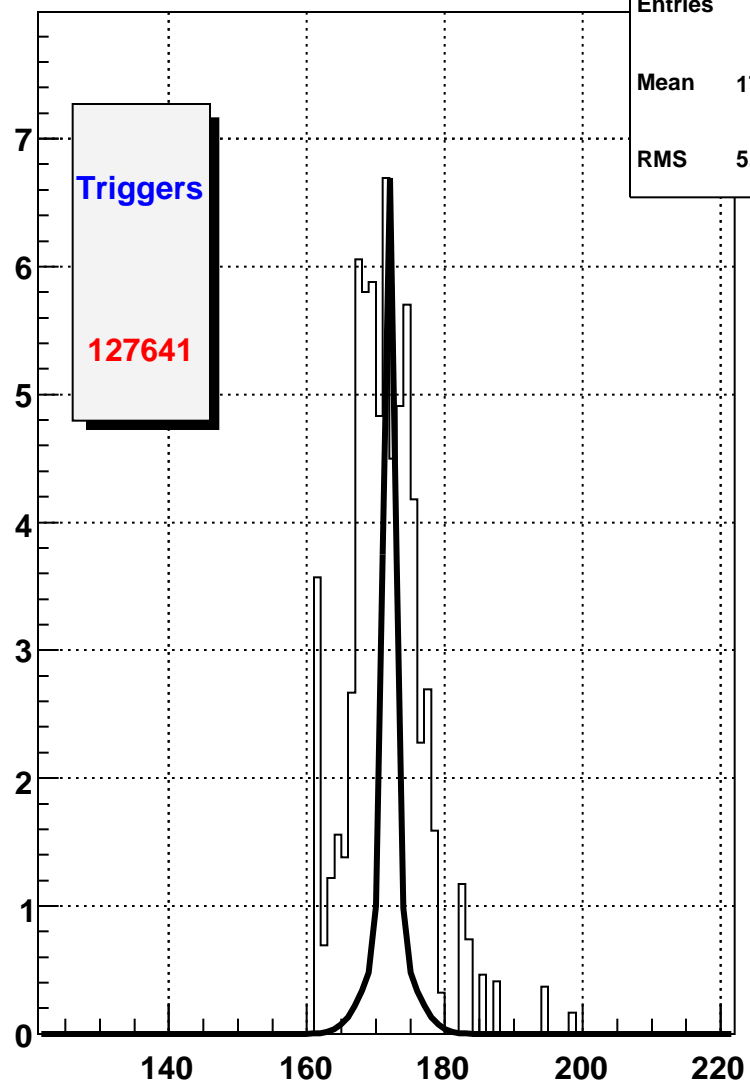
Entries	33
Mean	95.64
RMS	9.161



Run=7099047, Event=7720

**hSmdu**

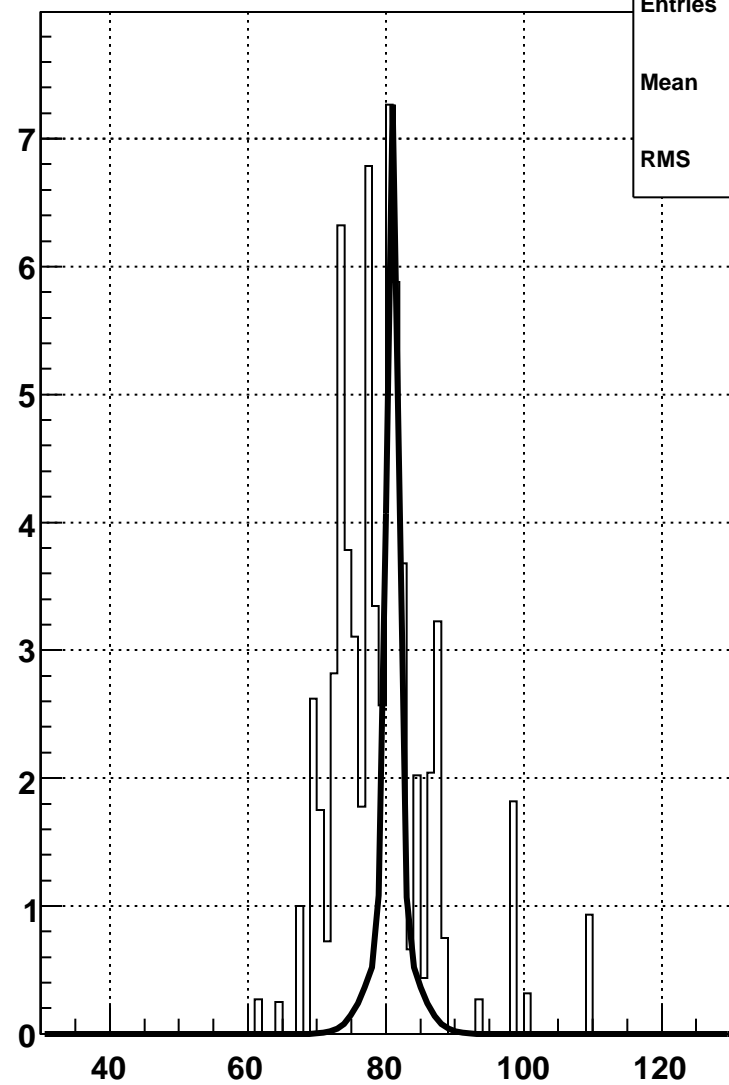
Entries	30
Mean	171.4
RMS	5.374



$p_T=7.6$  GeV,  $E=10.6$  GeV

**hSmdv**

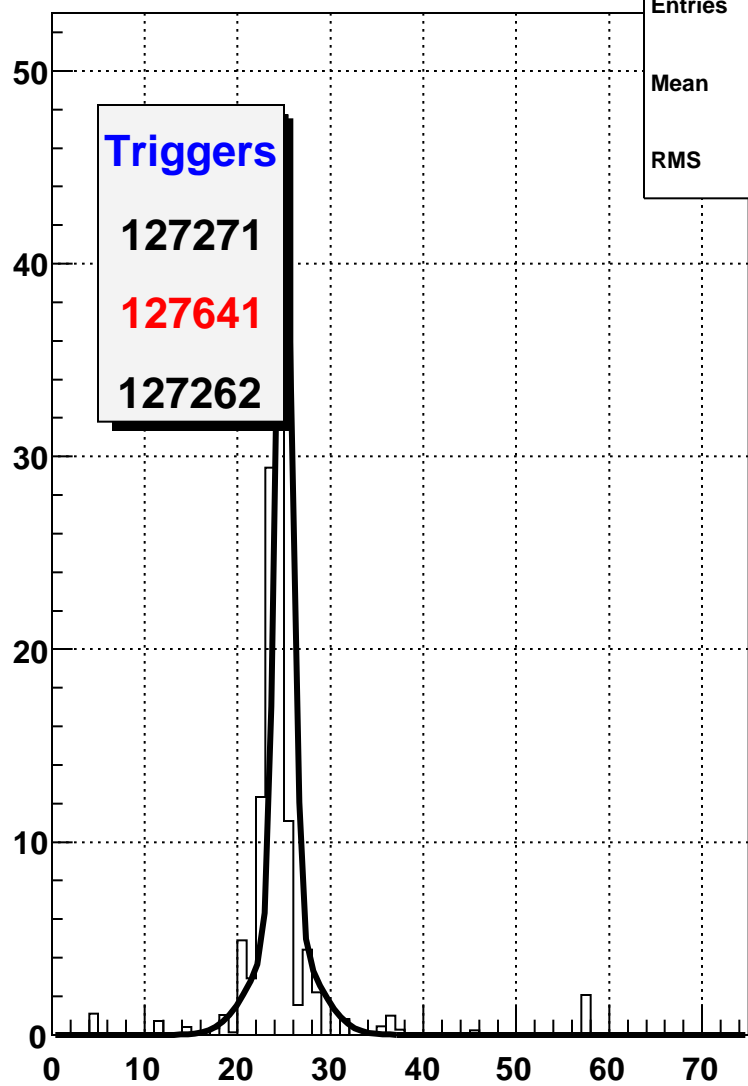
Entries	40
Mean	79.28
RMS	7.248



Run=7099047, Event=7811

**hSmdu**

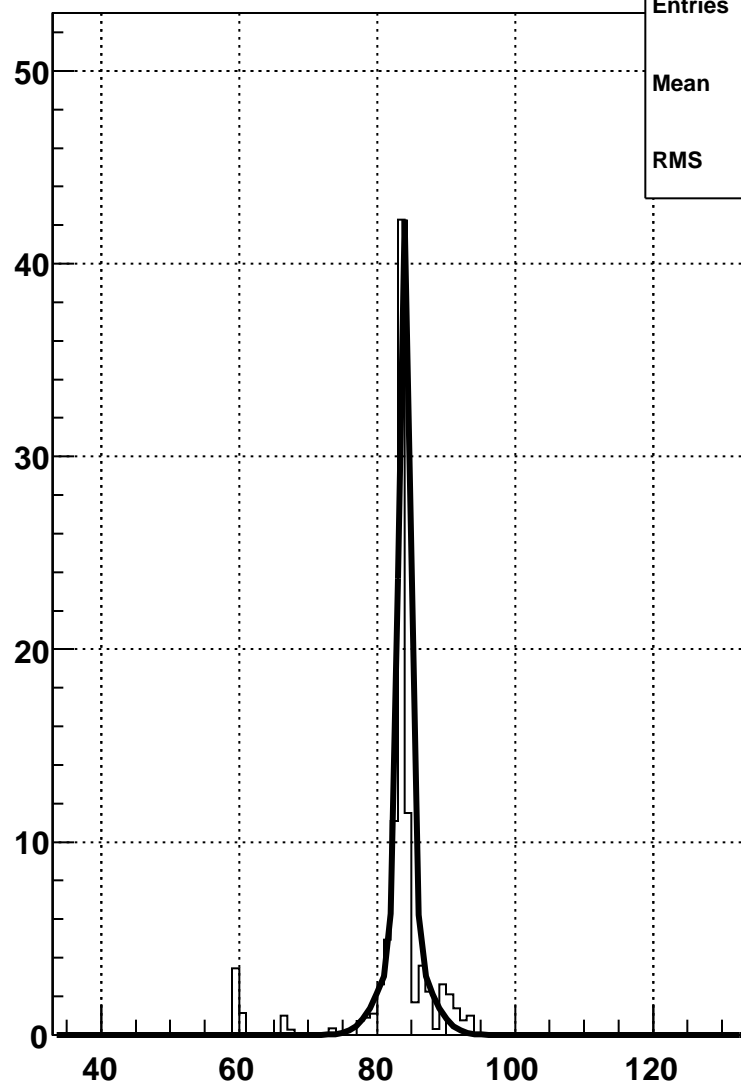
Entries	23
Mean	24.56
RMS	5.327



$p_T=5.3$  GeV,  $E=19.1$  GeV

**hSmdv**

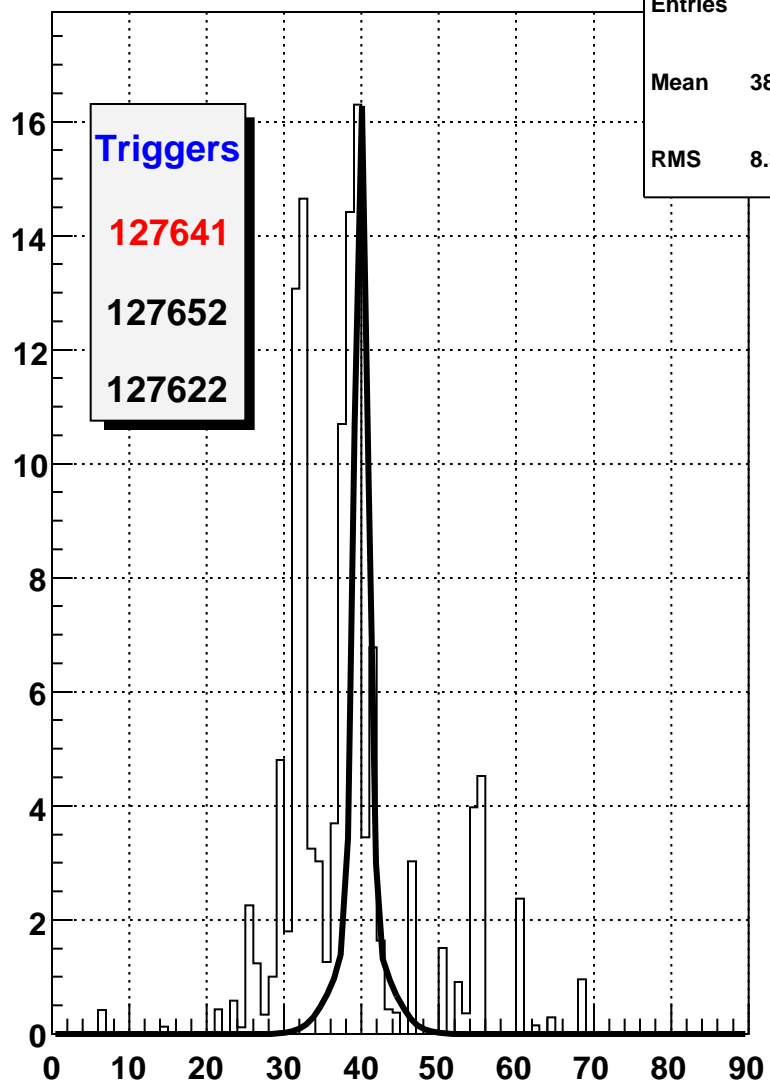
Entries	24
Mean	82.65
RMS	6.078



Run=7099047, Event=152615

**hSmdu**

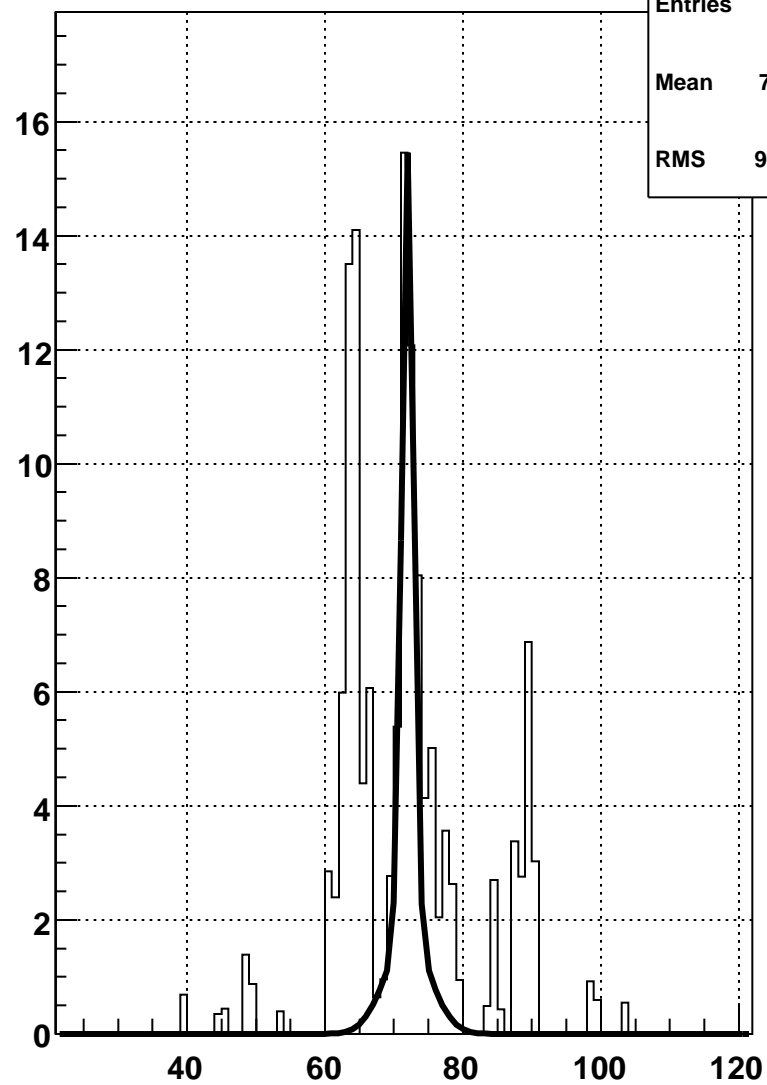
Entries	35
Mean	38.24
RMS	8.386



$p_T=6.3$  GeV,  $E=18.4$  GeV

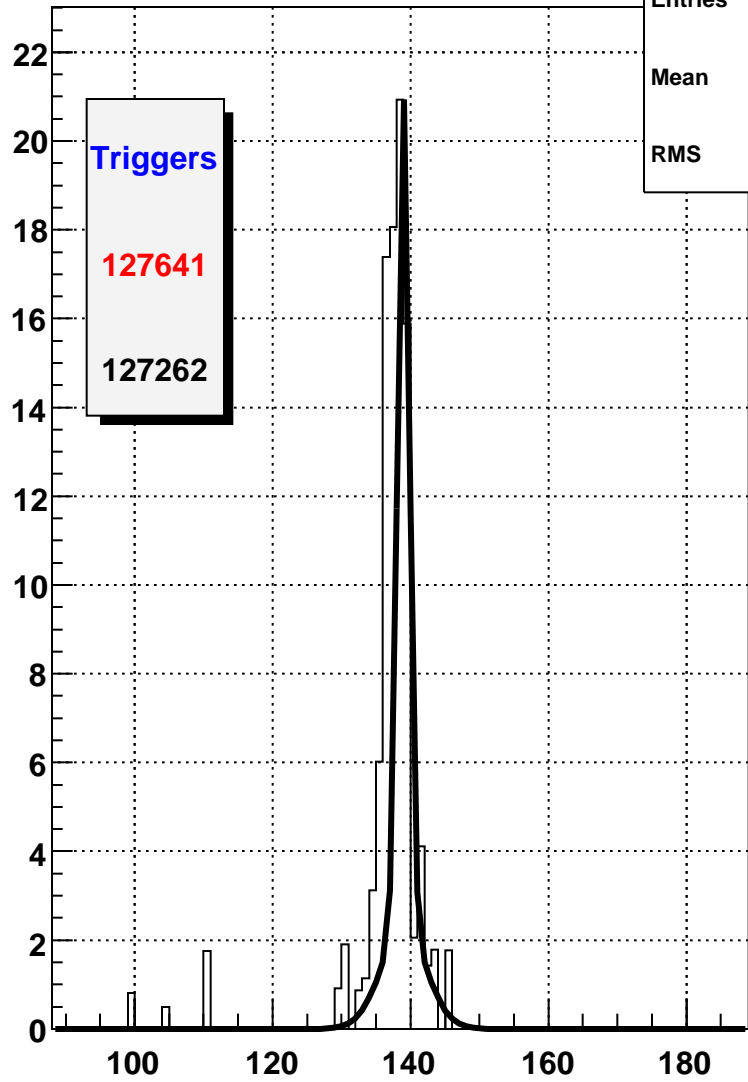
**hSmdv**

Entries	36
Mean	71.61
RMS	9.804



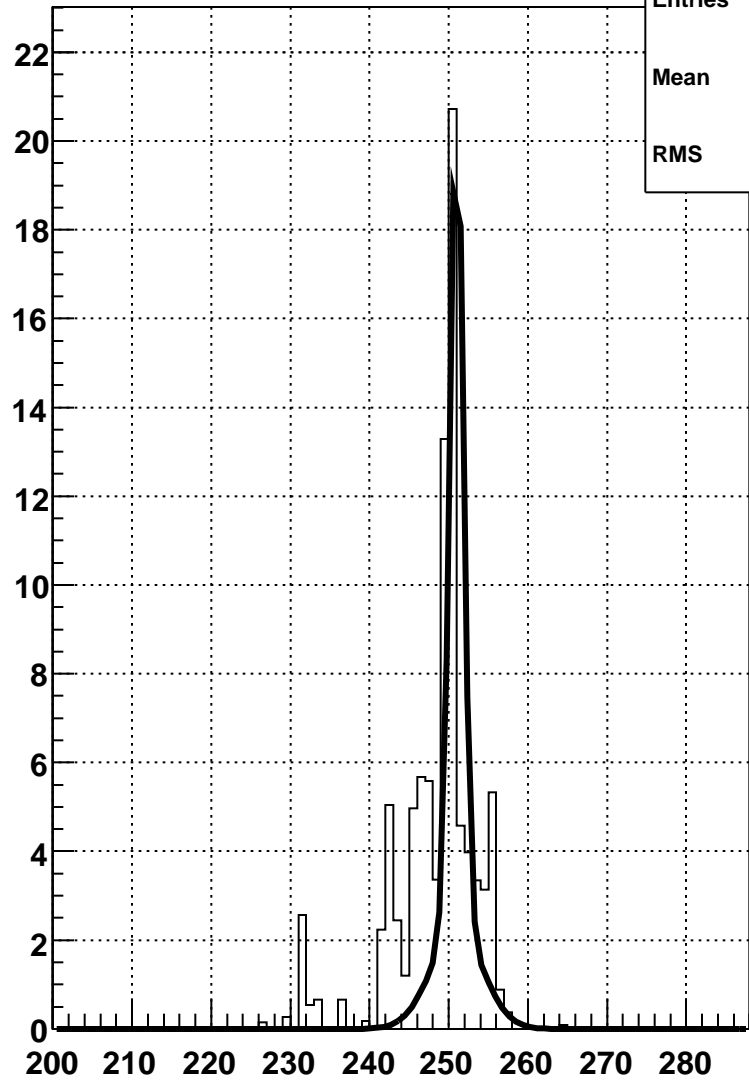
Run=7099047, Event=153090

hSmdu	
Entries	18
Mean	137
RMS	5.978



$p_T=6.1$  GeV,  $E=10.3$  GeV

hSmdv	
Entries	25
Mean	248.4
RMS	5.253

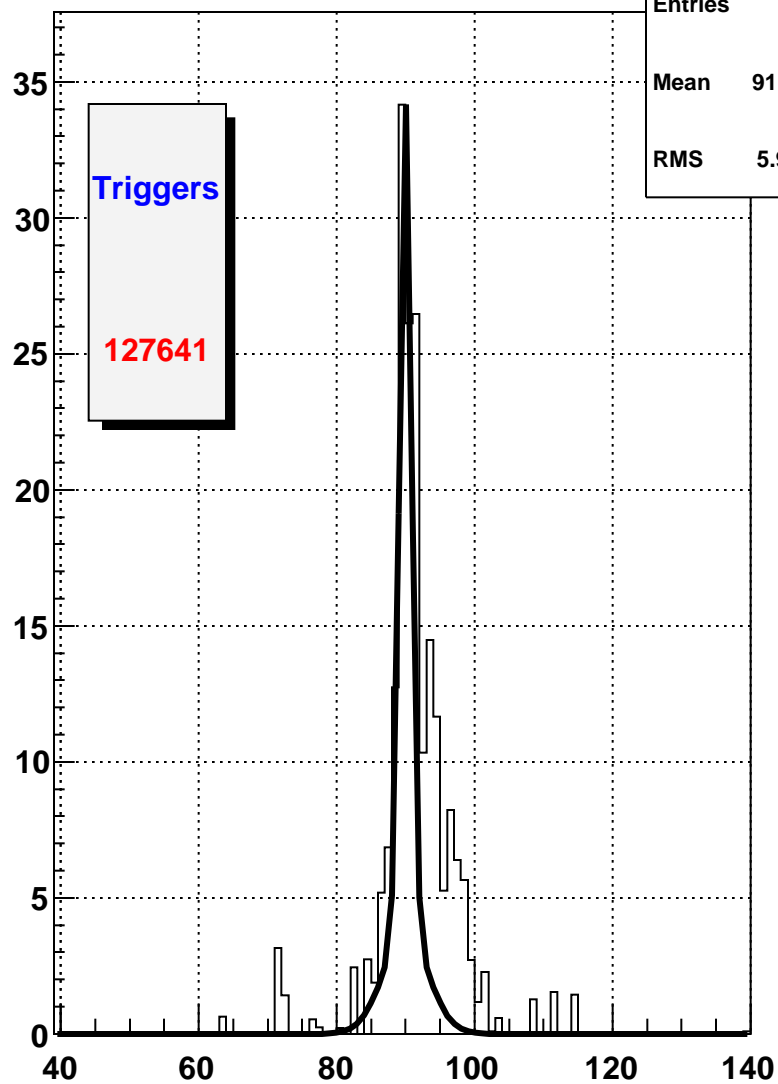




Run=7099047, Event=155087

**hSmdu**

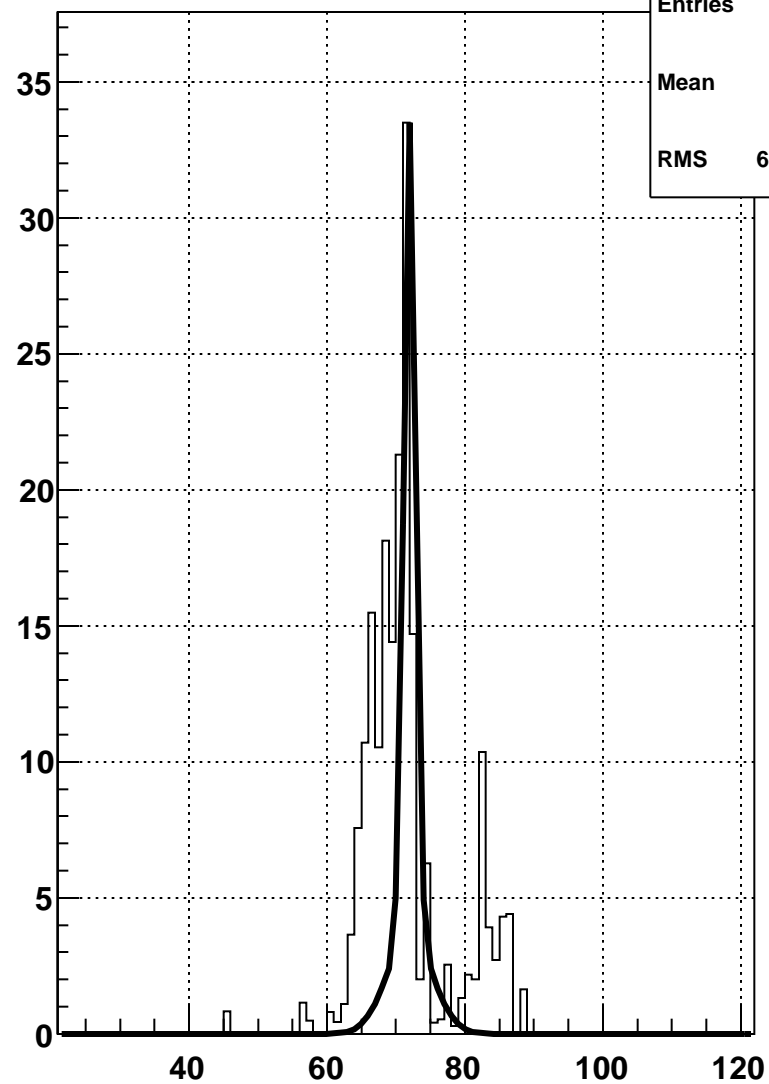
Entries	35
Mean	91.55
RMS	5.921



$p_T=6.1$  GeV,  $E=12.5$  GeV

**hSmdv**

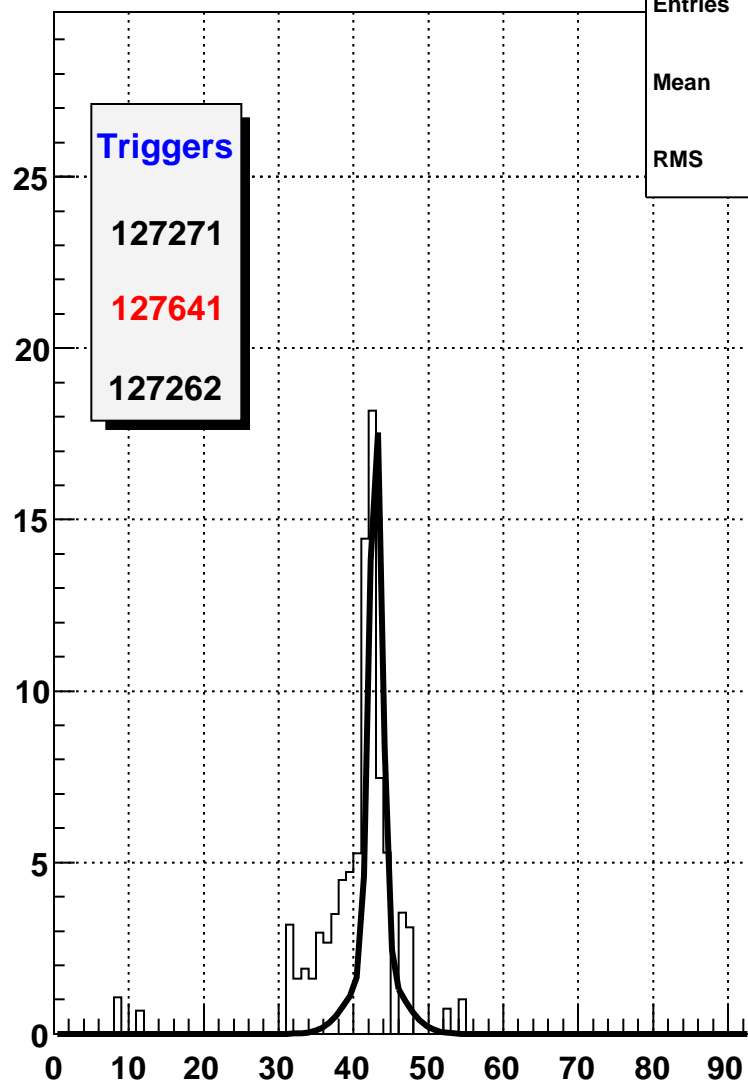
Entries	32
Mean	71.6
RMS	6.403



Run=7099047, Event=155274

**hSmdu**

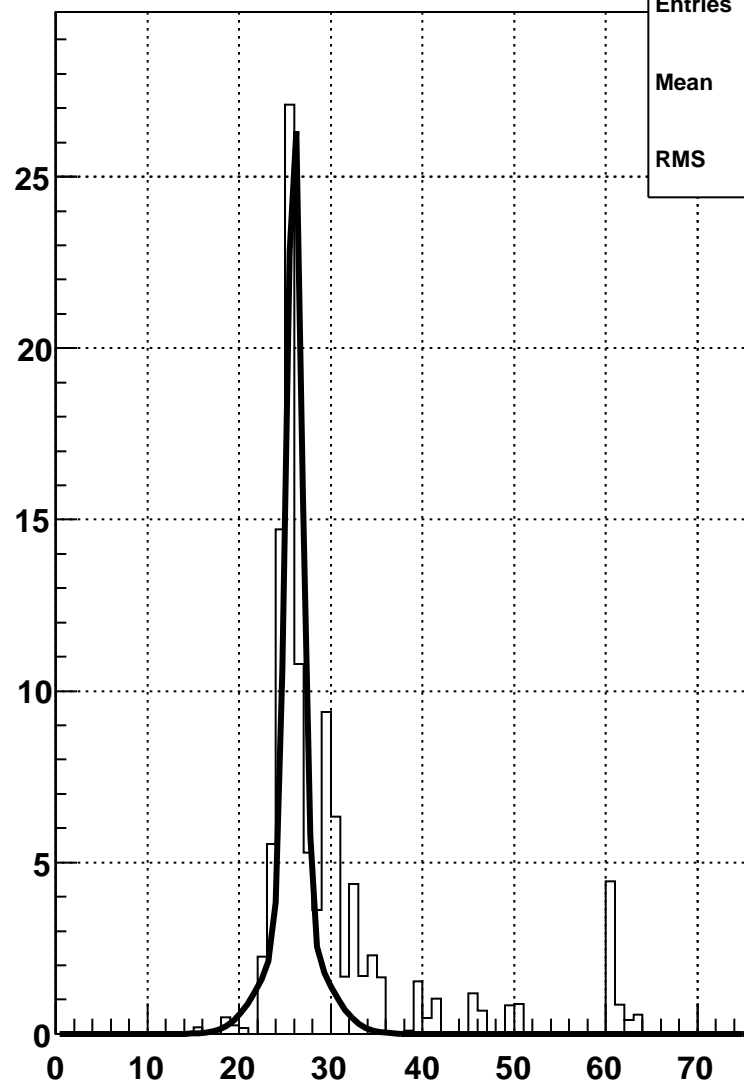
Entries	20
Mean	40.41
RMS	6.014



$p_T=5.5$  GeV,  $E=20.8$  GeV

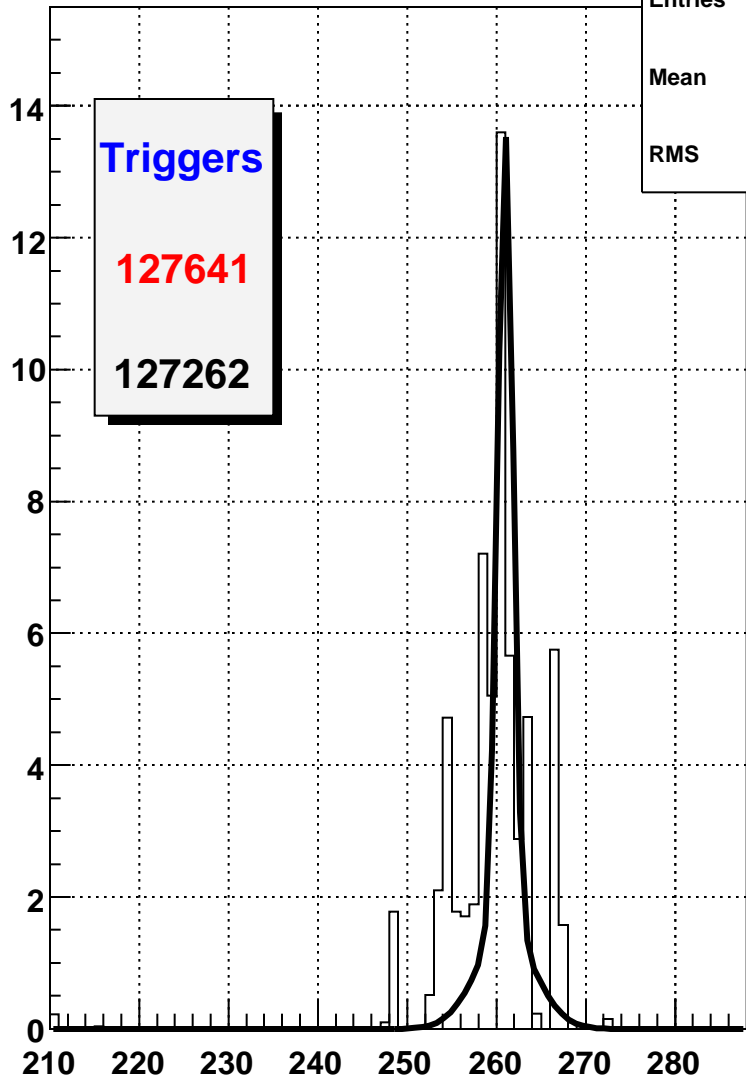
**hSmdv**

Entries	30
Mean	30.02
RMS	9.183



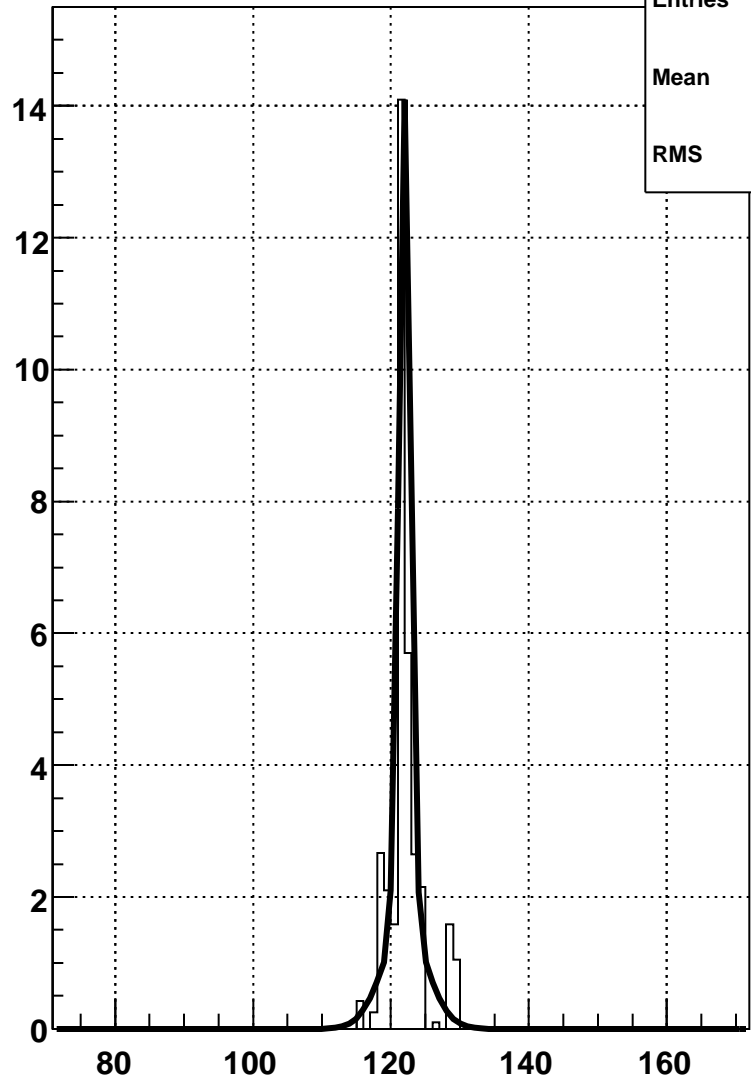
Run=7099047, Event=155791

**hSmdu**



$p_T=5.1$  GeV,  $E=10.7$  GeV

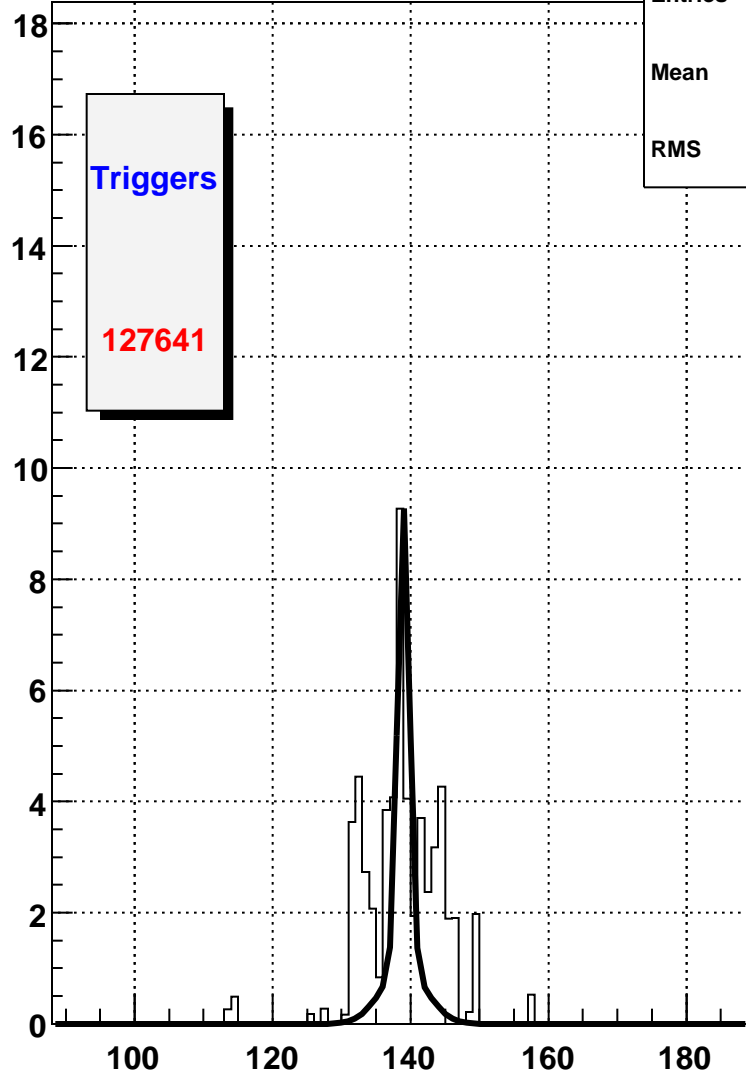
**hSmdv**



Run=7099047, Event=155890

**hSmdu**

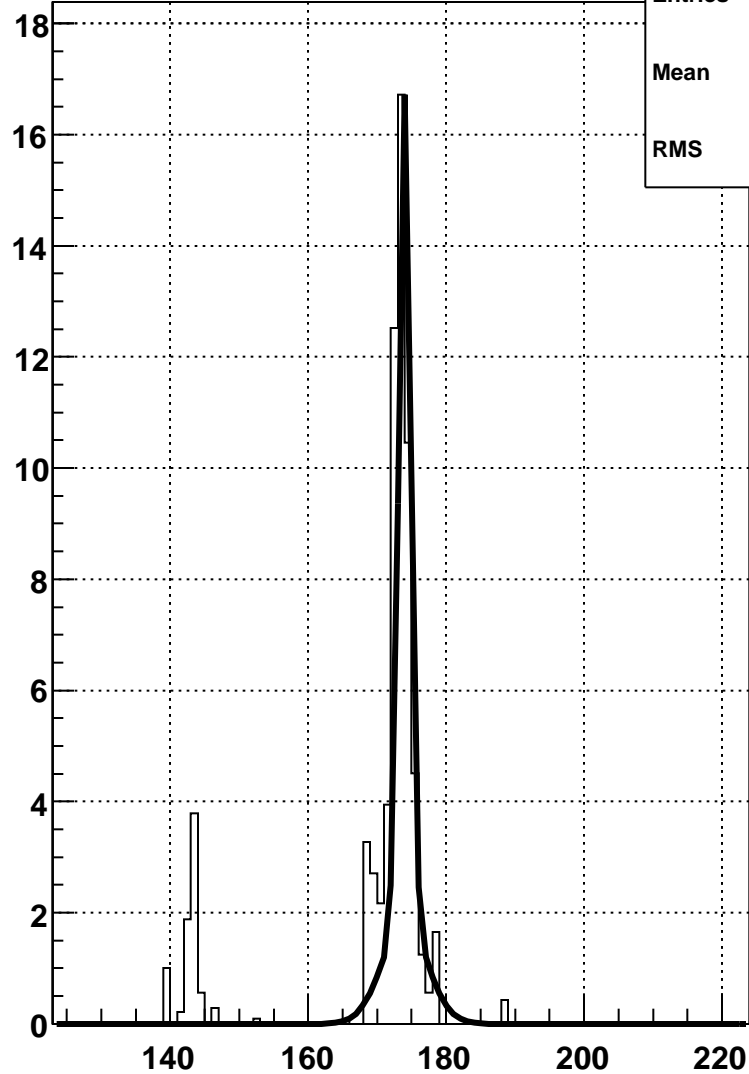
Entries	24
Mean	138.8
RMS	5.803



$p_T=5.1$  GeV,  $E=10.9$  GeV

**hSmdv**

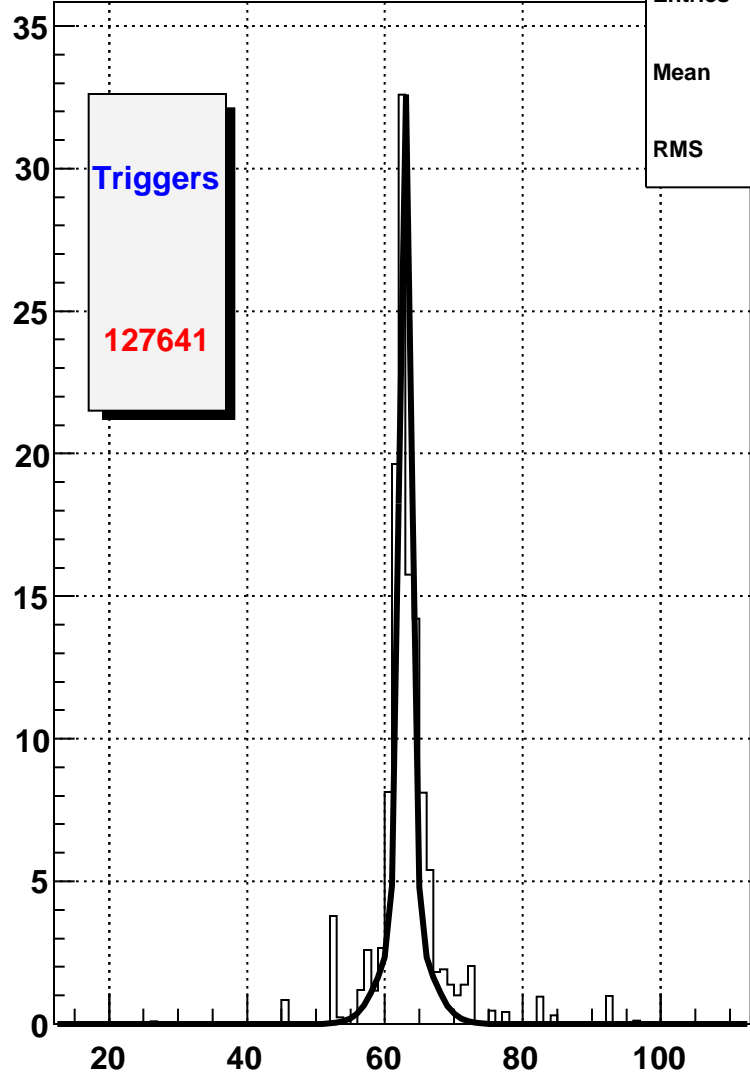
Entries	20
Mean	169.8
RMS	9.949



Run=7099047, Event=155963

**hSmdu**

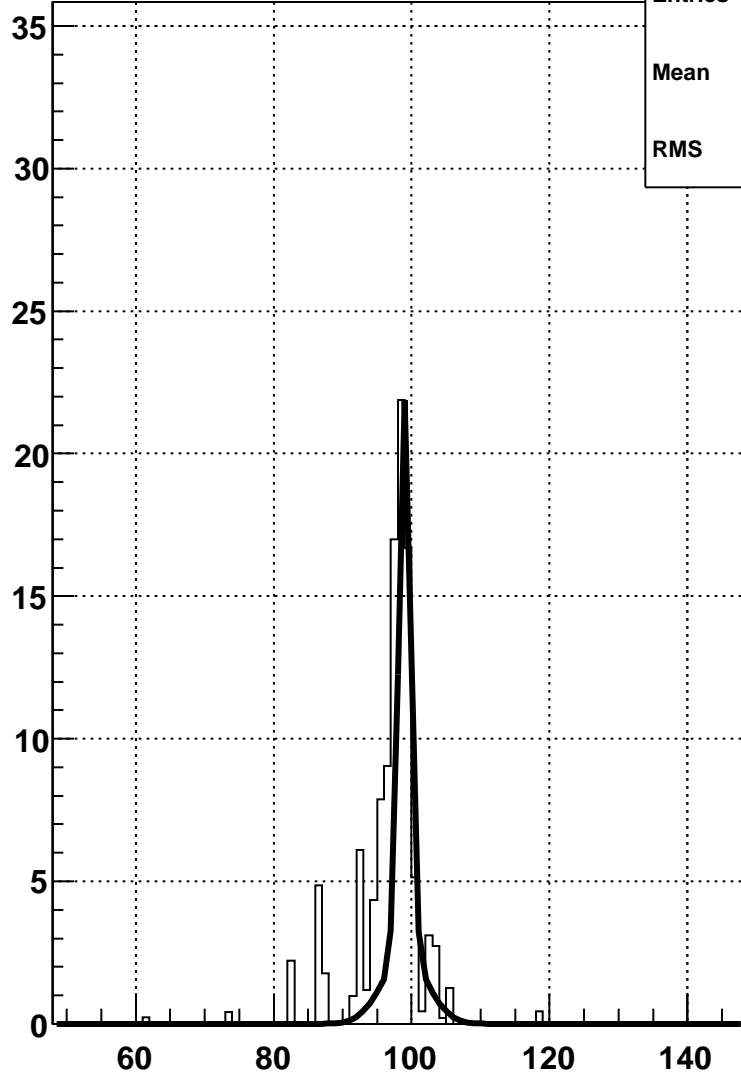
Entries	27
Mean	63.32
RMS	5.106



$p_T=5.6$  GeV,  $E=16.4$  GeV

**hSmdv**

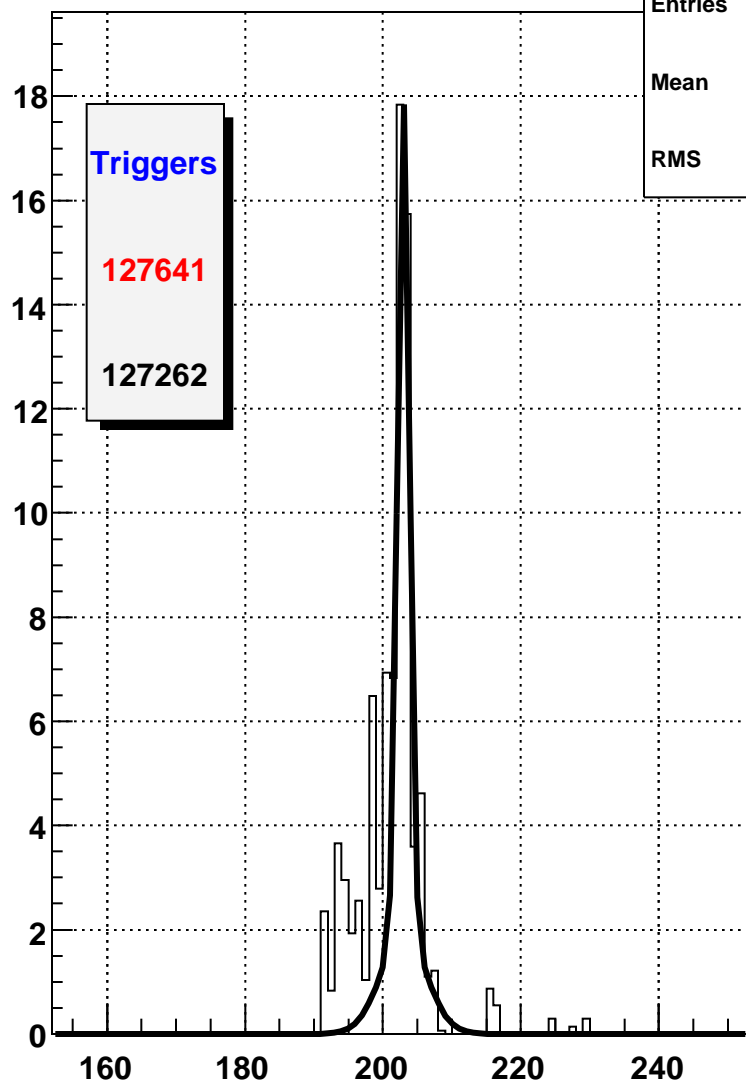
Entries	22
Mean	96.8
RMS	4.953



Run=7099047, Event=156172

**hSmdu**

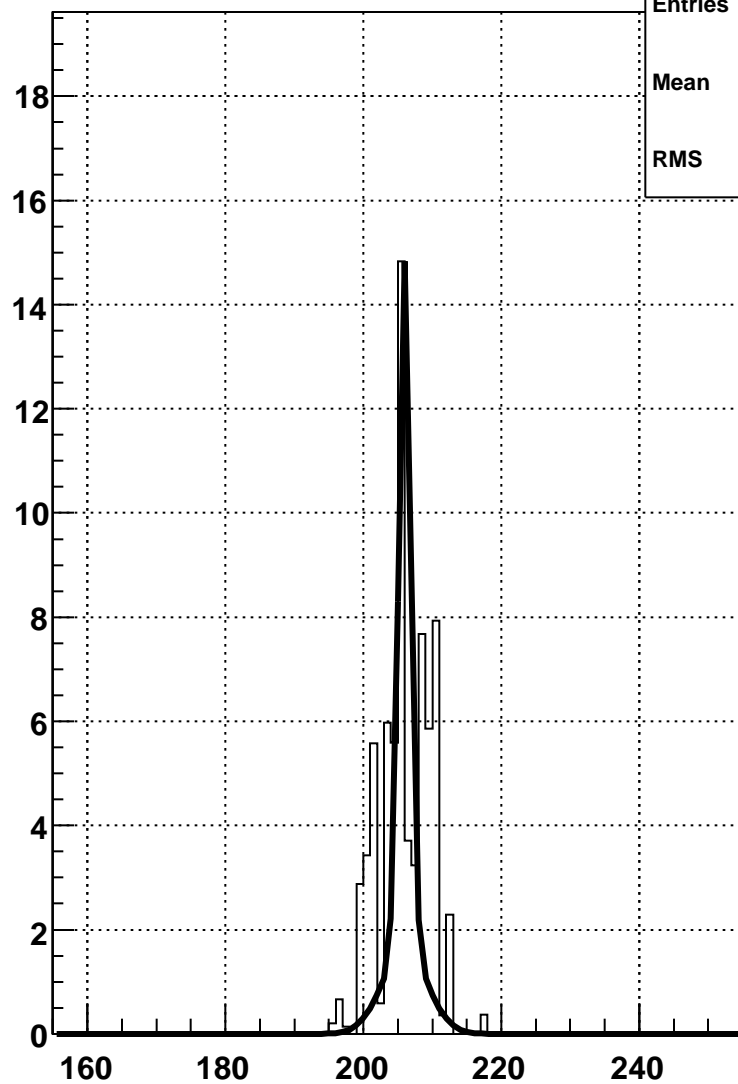
Entries	23
Mean	201.4
RMS	4.786



$p_T=6.2$  GeV,  $E=10.8$  GeV

**hSmdv**

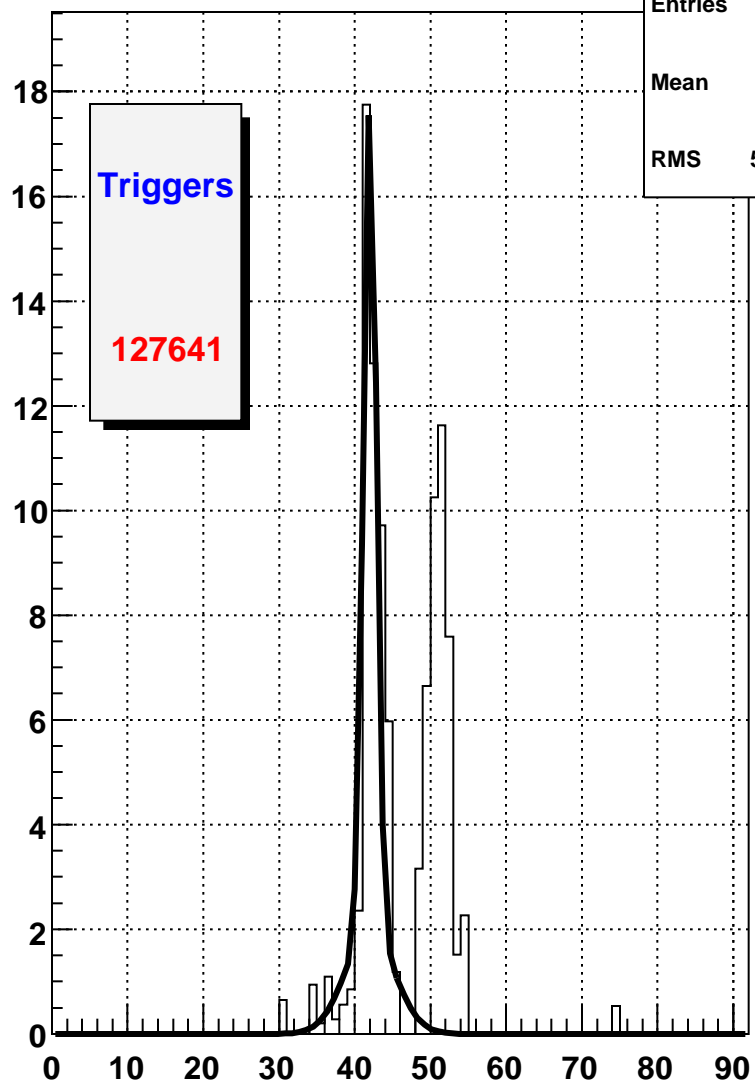
Entries	18
Mean	206
RMS	3.624



Run=7099047, Event=106213

**hSmdu**

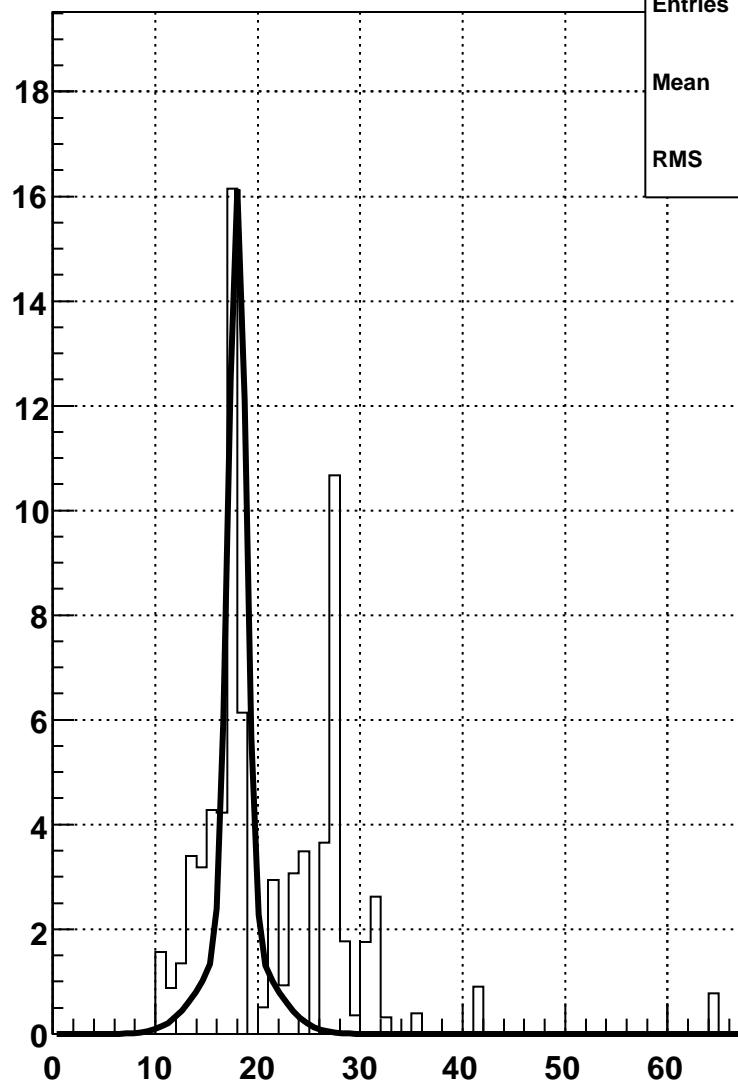
Entries	21
Mean	46.2
RMS	5.356



$p_T=5.0$  GeV,  $E=19.7$  GeV

**hSmdv**

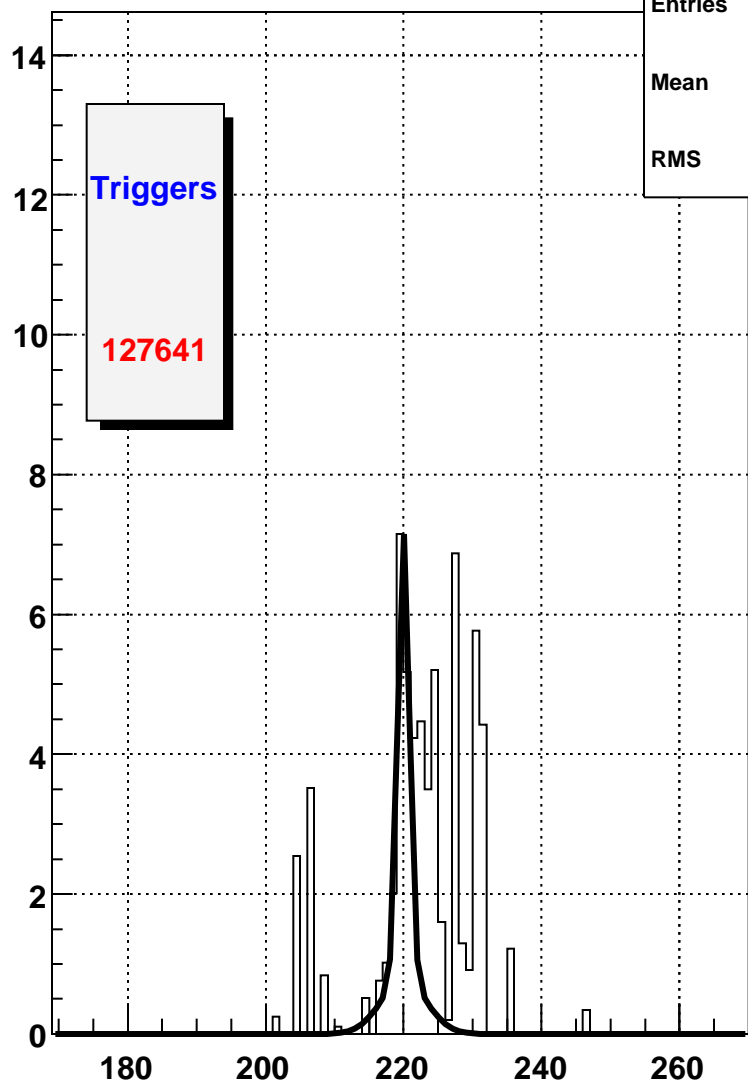
Entries	24
Mean	21.49
RMS	7.529



Run=7099047, Event=106863

**hSmdu**

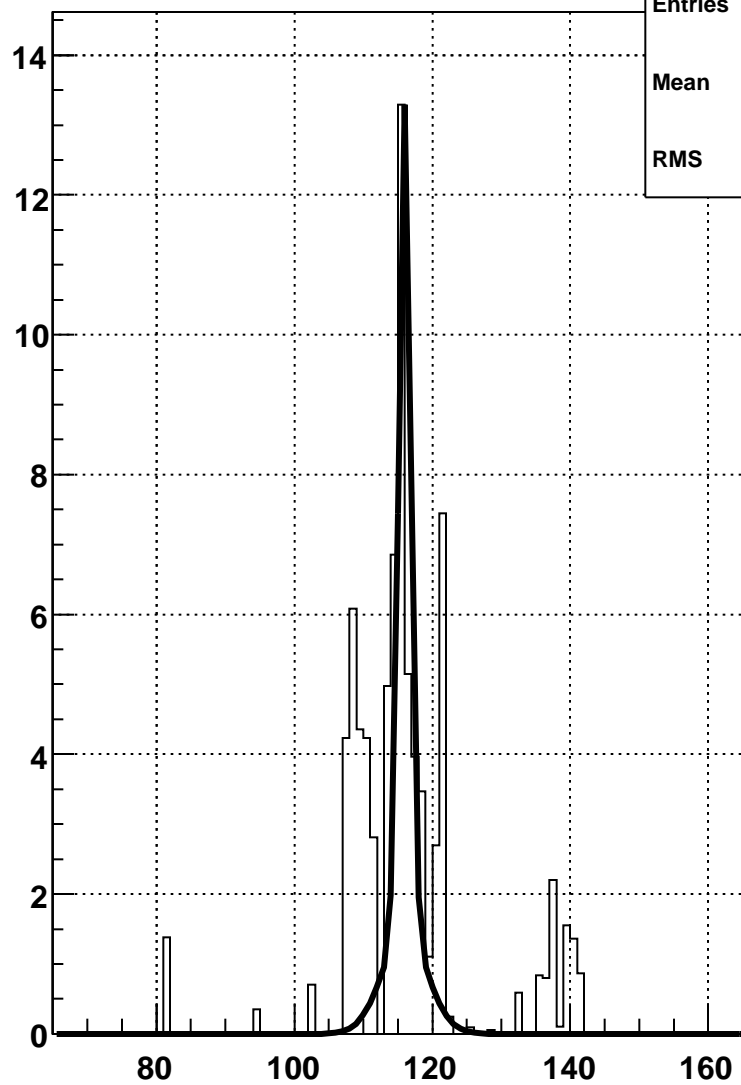
Entries	24
Mean	222.5
RMS	7.561



$p_T=5.1$  GeV,  $E=9.3$  GeV

**hSmdv**

Entries	28
Mean	116.3
RMS	9.552

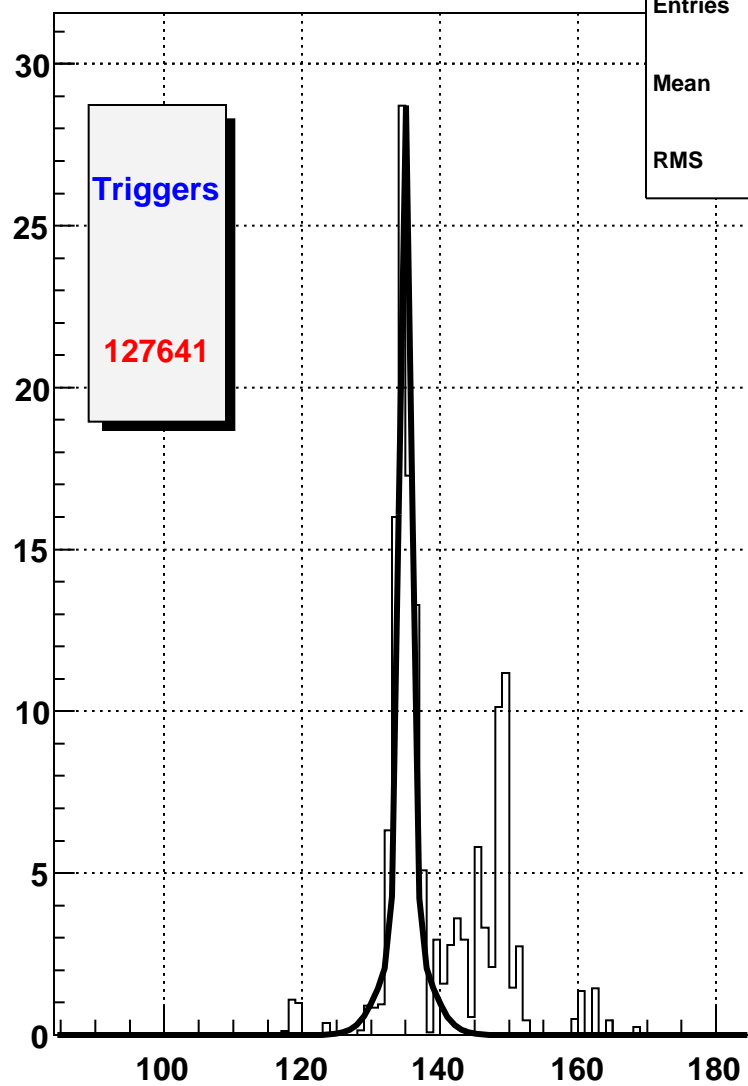




Run=7099047, Event=108427

**hSmdu**

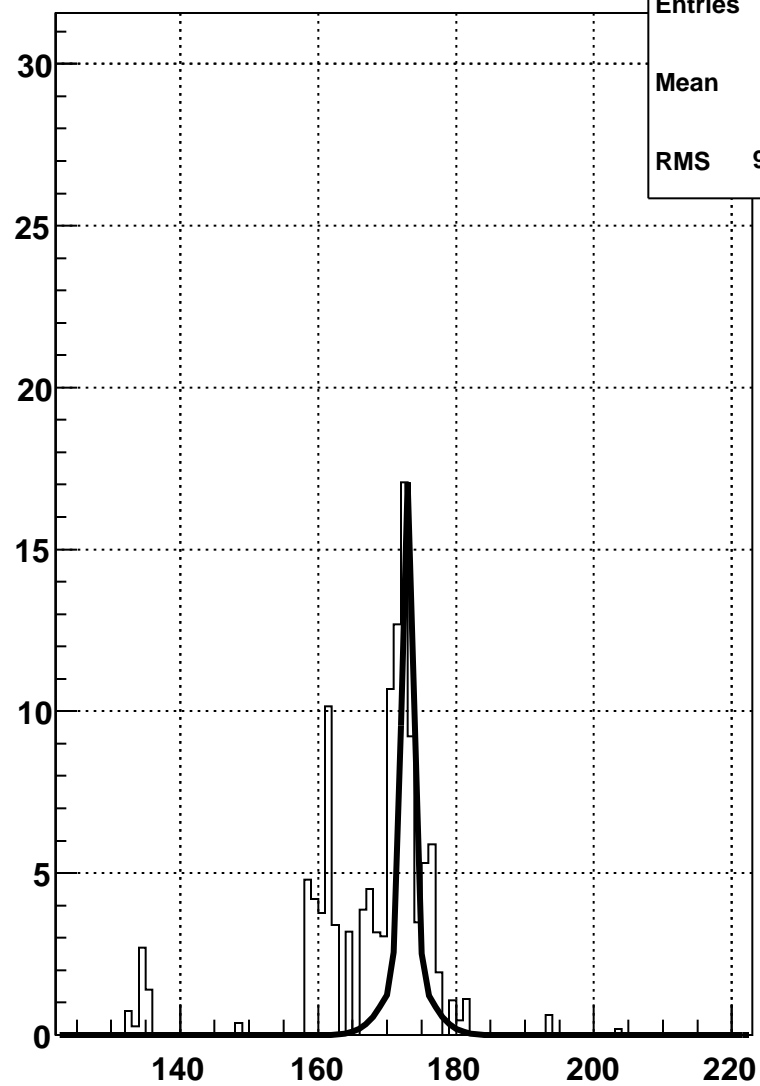
Entries	34
Mean	139.3
RMS	7.595



$p_T=5.1$  GeV,  $E=11.2$  GeV

**hSmdv**

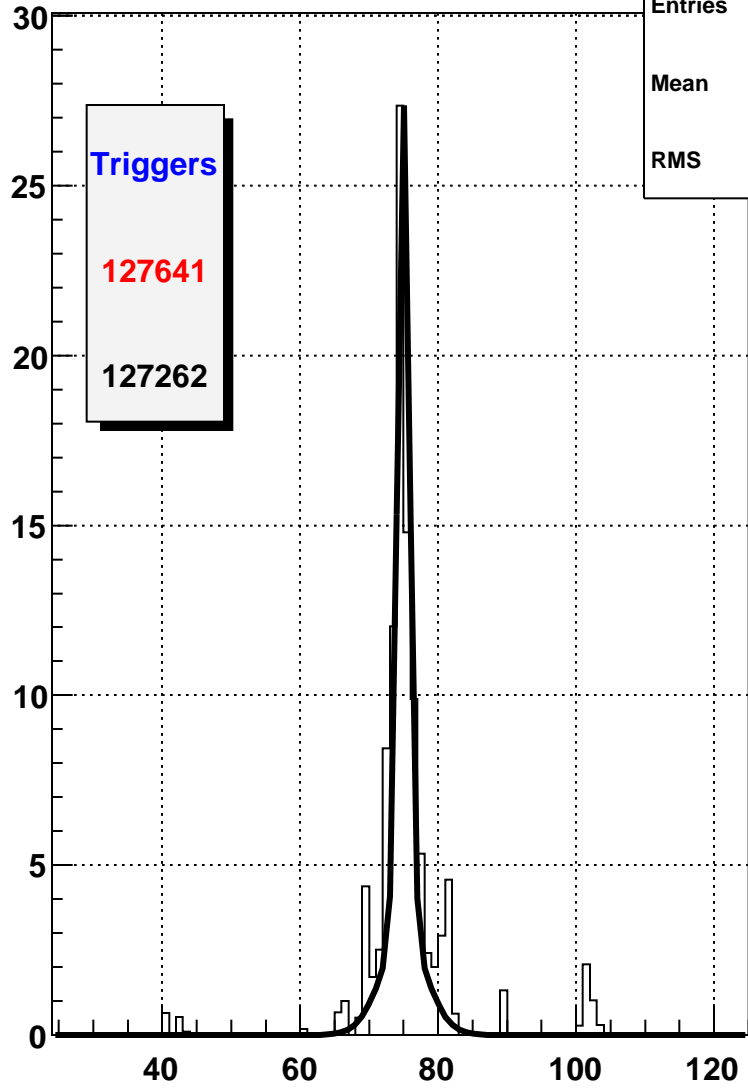
Entries	28
Mean	168
RMS	9.311



Run=7099047, Event=108506

**hSmdu**

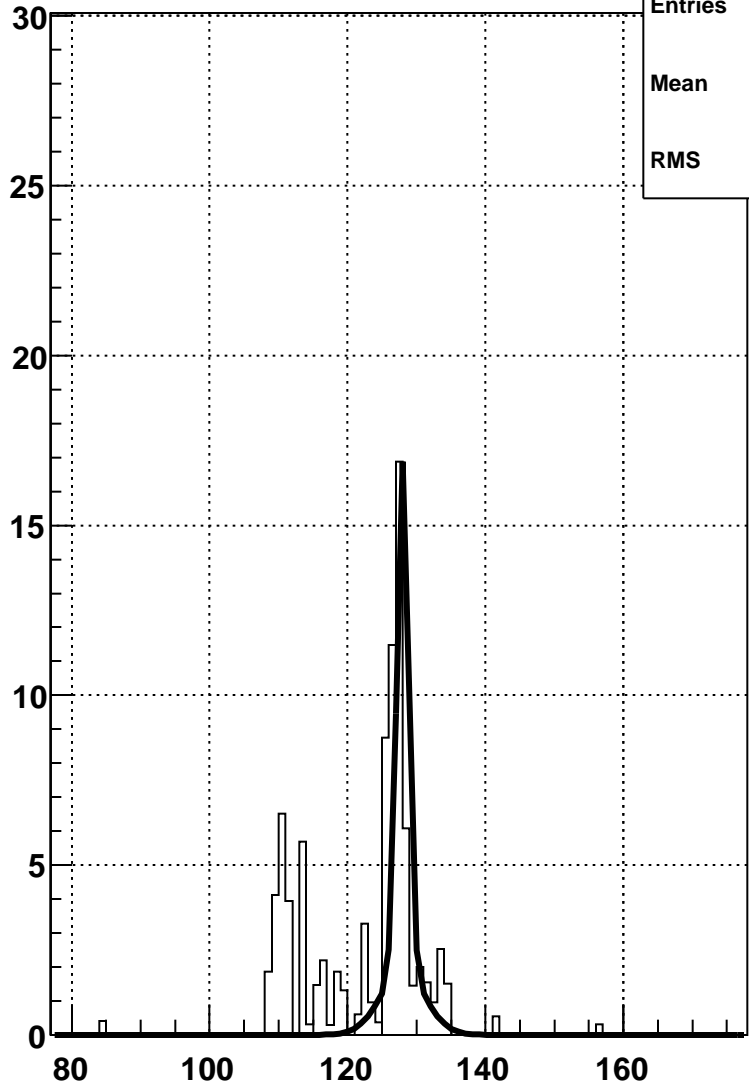
Entries	26
Mean	75.6
RMS	6.976



$p_T=5.4$  GeV,  $E=14.9$  GeV

**hSmdv**

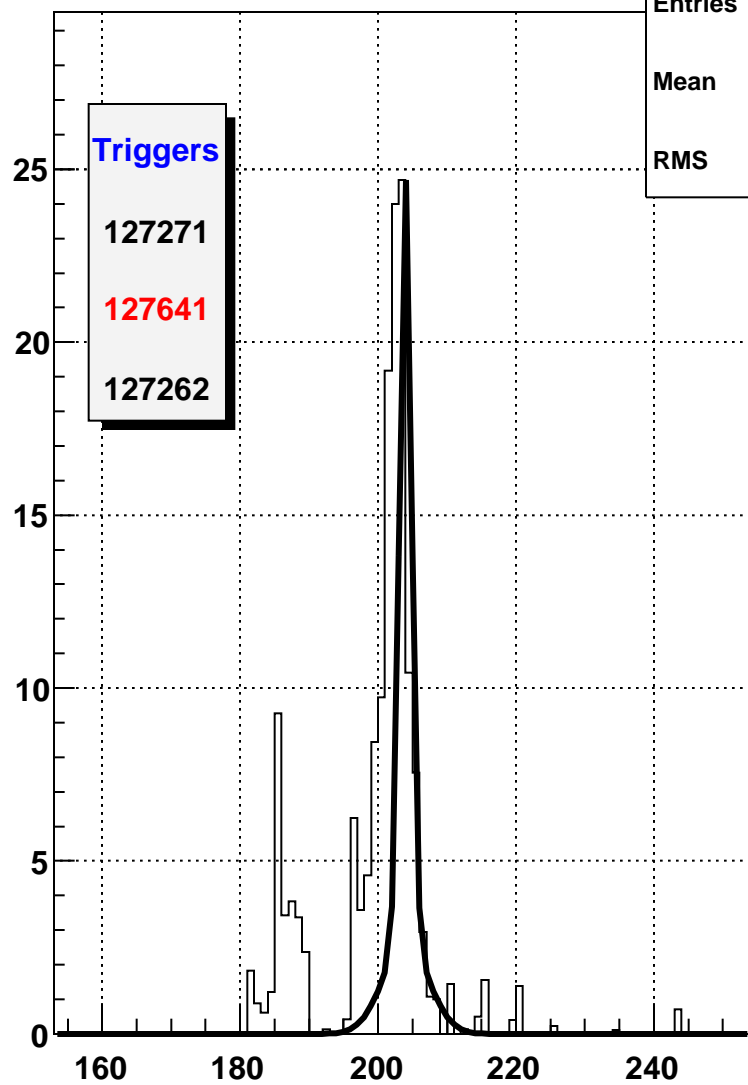
Entries	28
Mean	122.5
RMS	8.304



Run=7099047, Event=108869

**hSmdu**

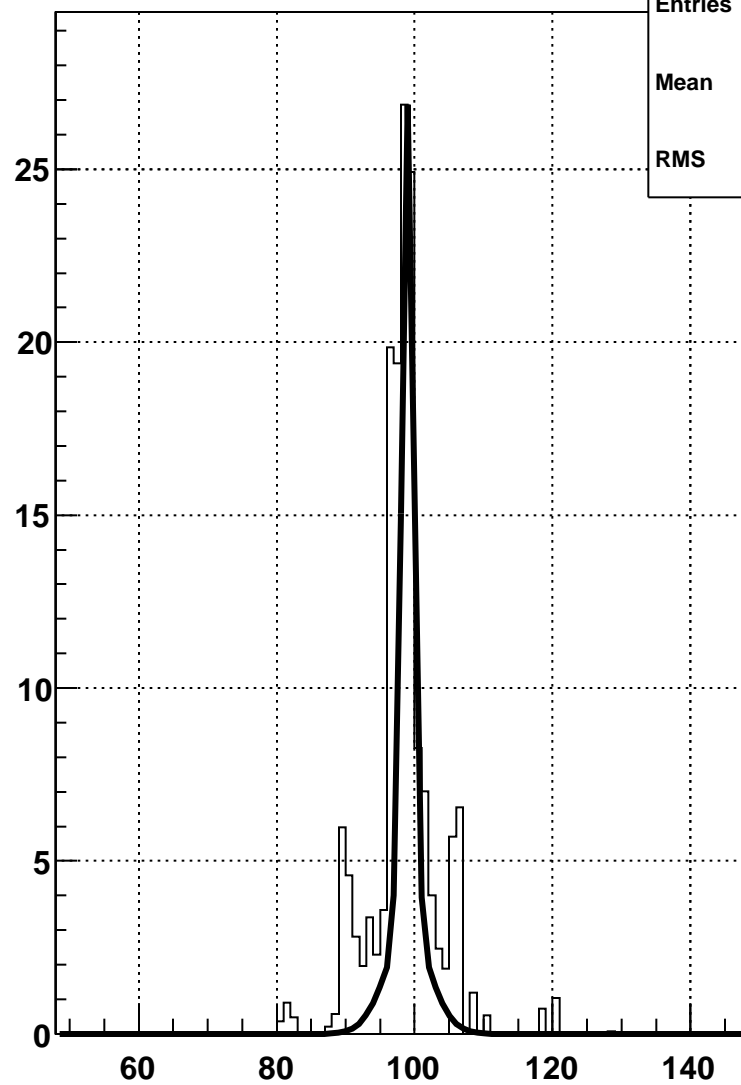
Entries	33
Mean	200.1
RMS	7.801



$p_T=8.7$  GeV,  $E=17.4$  GeV

**hSmdv**

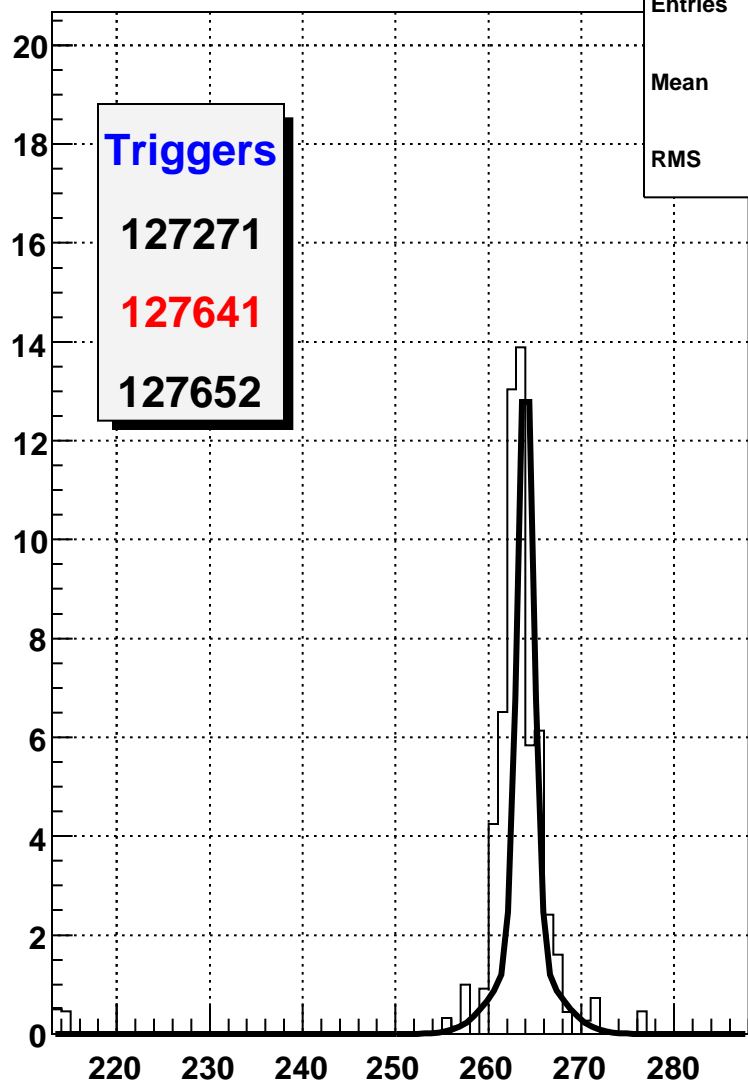
Entries	28
Mean	98.48
RMS	4.967



Run=7099047, Event=72620

**hSmdu**

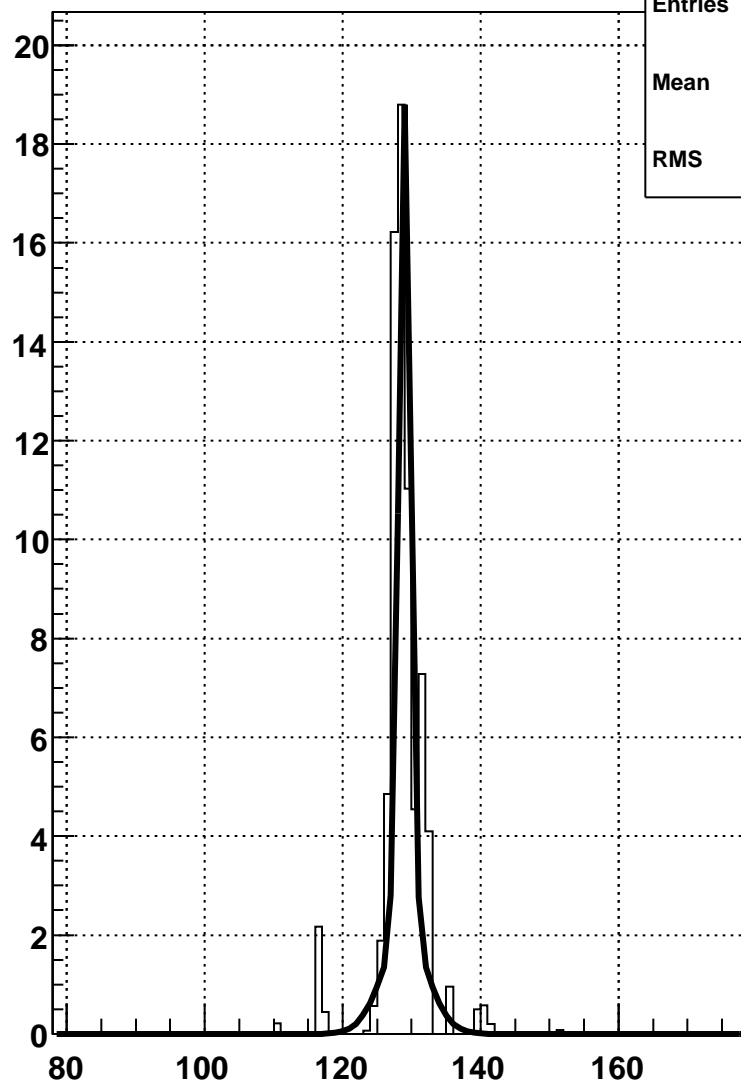
Entries	27
Mean	262.6
RMS	6.794



$p_T=6.2$  GeV,  $E=13.3$  GeV

**hSmdv**

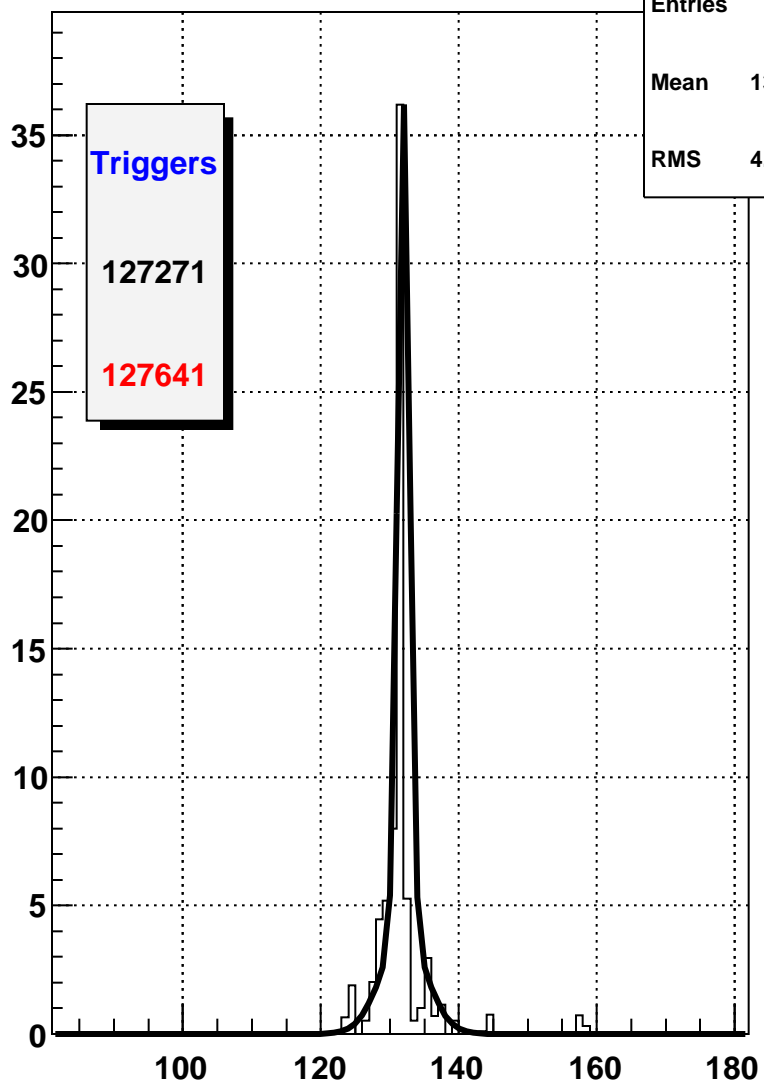
Entries	37
Mean	128.7
RMS	3.523



Run=7099047, Event=74403

**hSmdu**

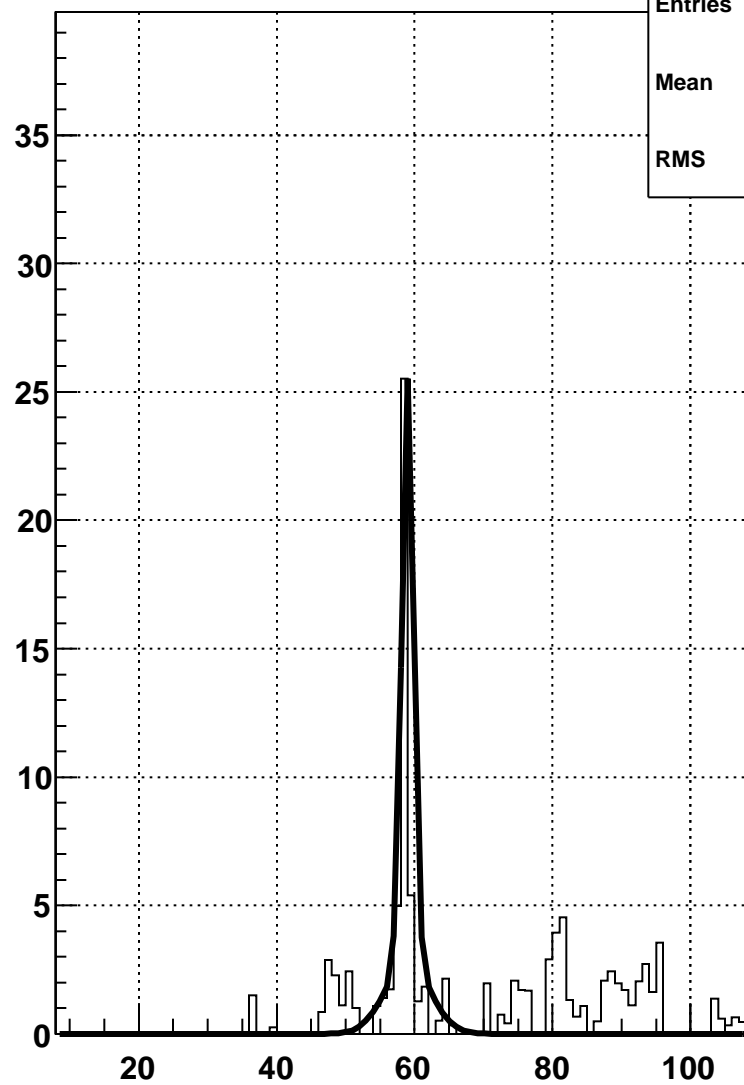
Entries	45
Mean	131.7
RMS	4.198



$p_T=8.5$  GeV,  $E=19.1$  GeV

**hSmdv**

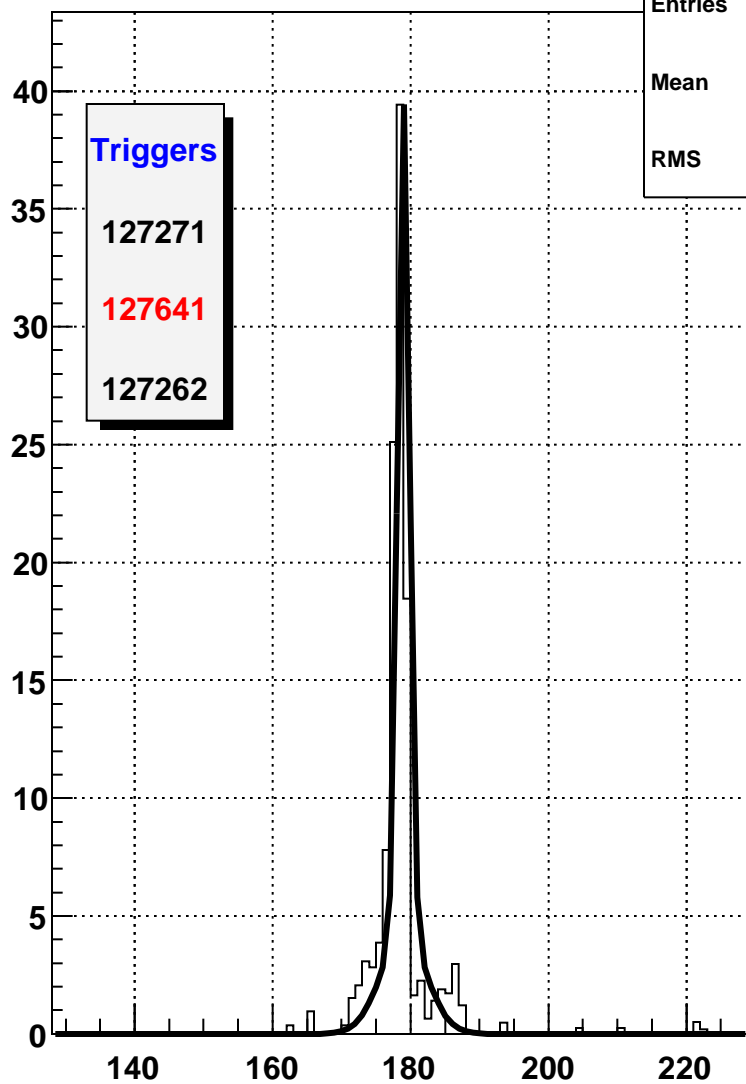
Entries	58
Mean	69.78
RMS	16.71



Run=7099047, Event=85590

**hSmdu**

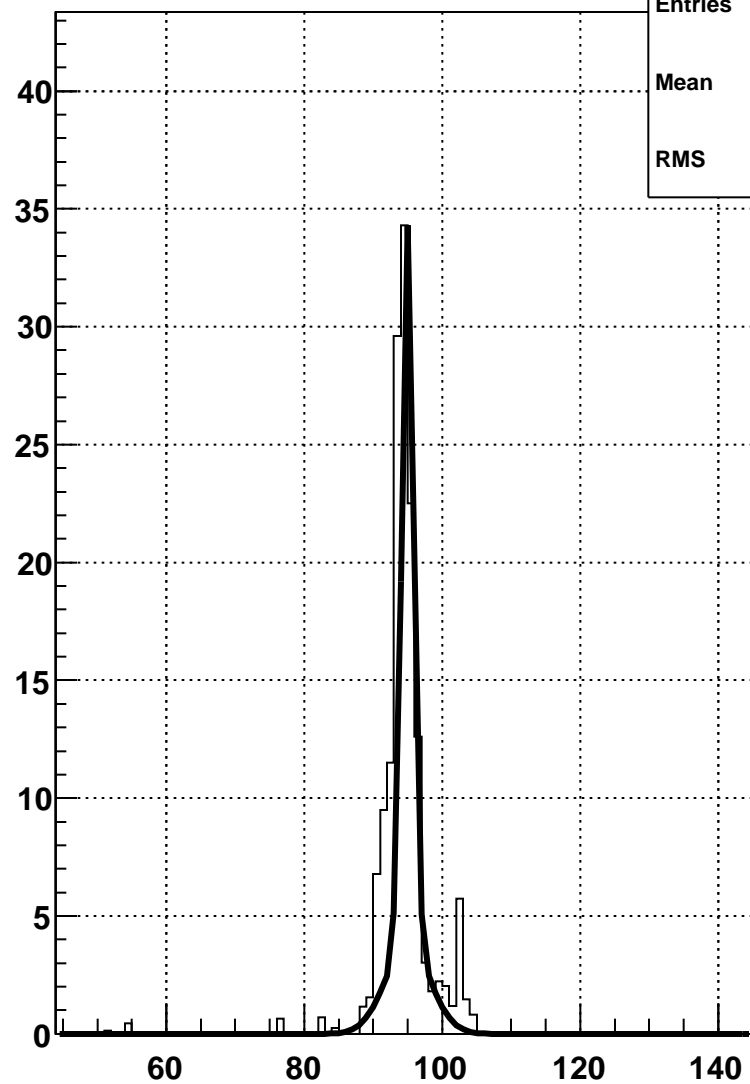
Entries	26
Mean	178.7
RMS	5.014



$p_T=5.8$  GeV,  $E=14.8$  GeV

**hSmdv**

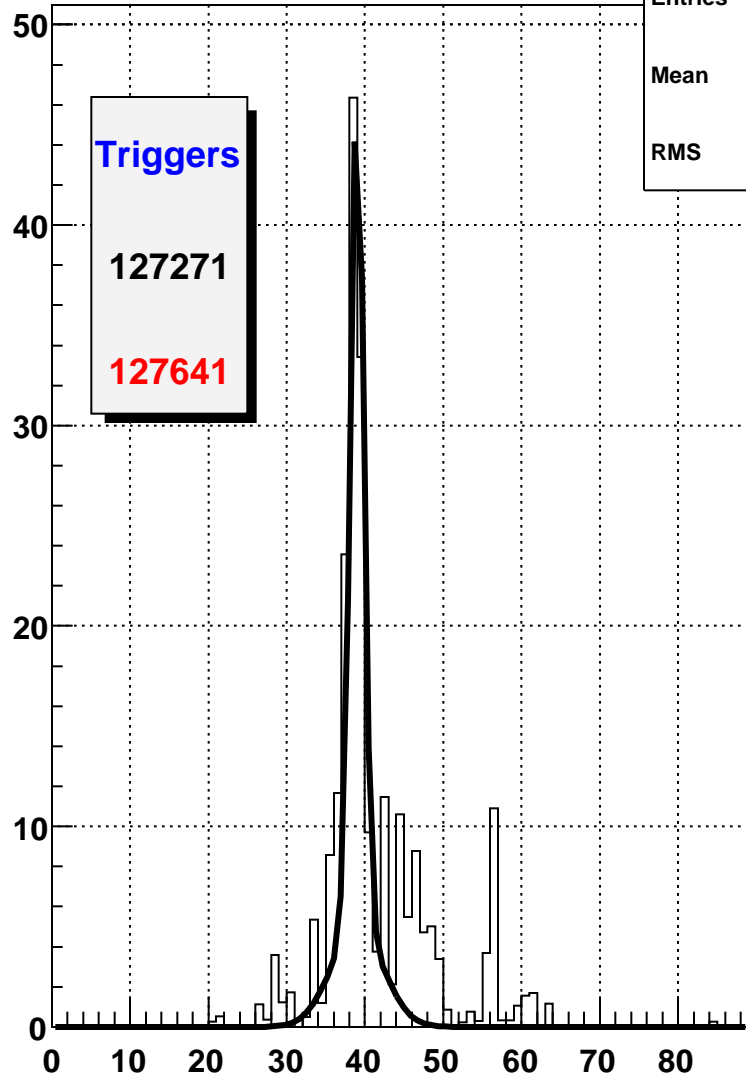
Entries	22
Mean	94.46
RMS	4.11



Run=7099047, Event=123187

**hSmdu**

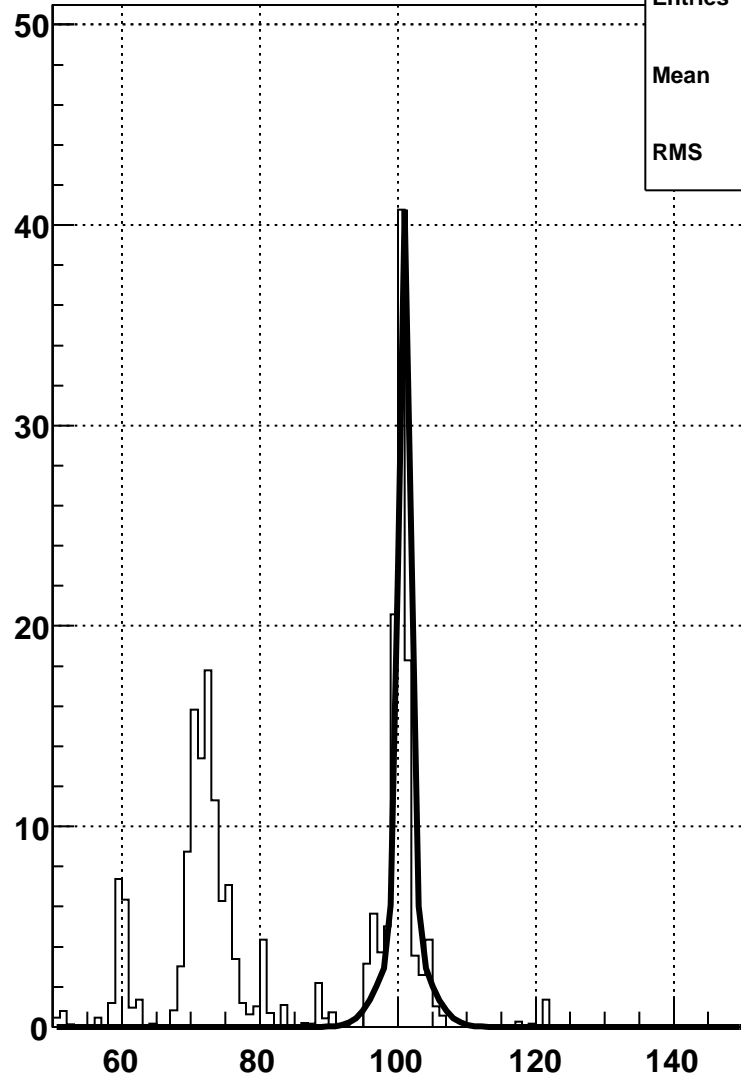
Entries	38
Mean	41.4
RMS	6.914



$p_T=8.0$  GeV,  $E=24.0$  GeV

**hSmdv**

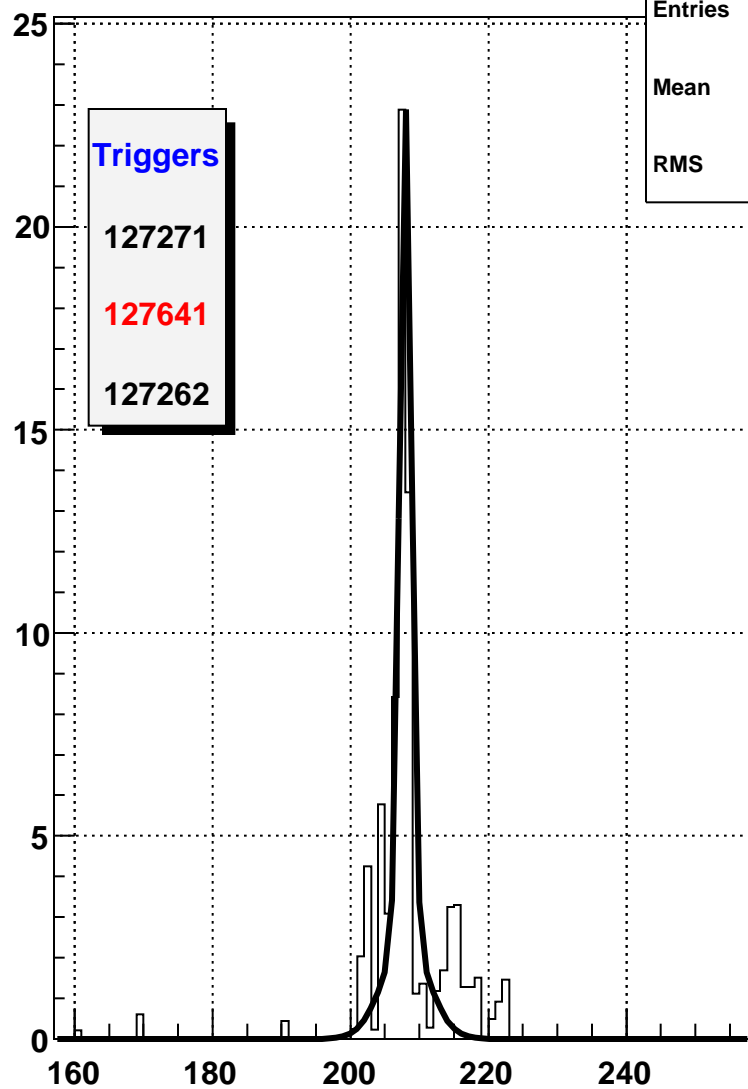
Entries	48
Mean	85.39
RMS	15.59



Run=7099047, Event=138192

**hSmdu**

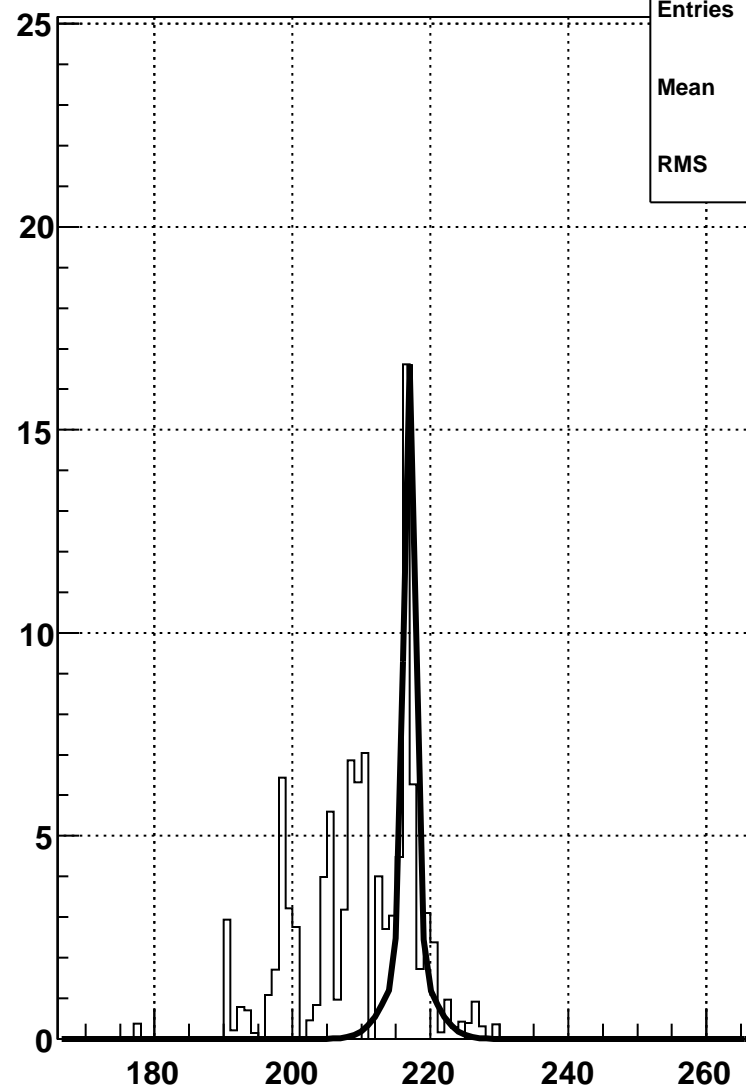
Entries	32
Mean	208.2
RMS	6.275



$p_T=5.7$  GeV,  $E=11.2$  GeV

**hSmdv**

Entries	37
Mean	209.9
RMS	8.314

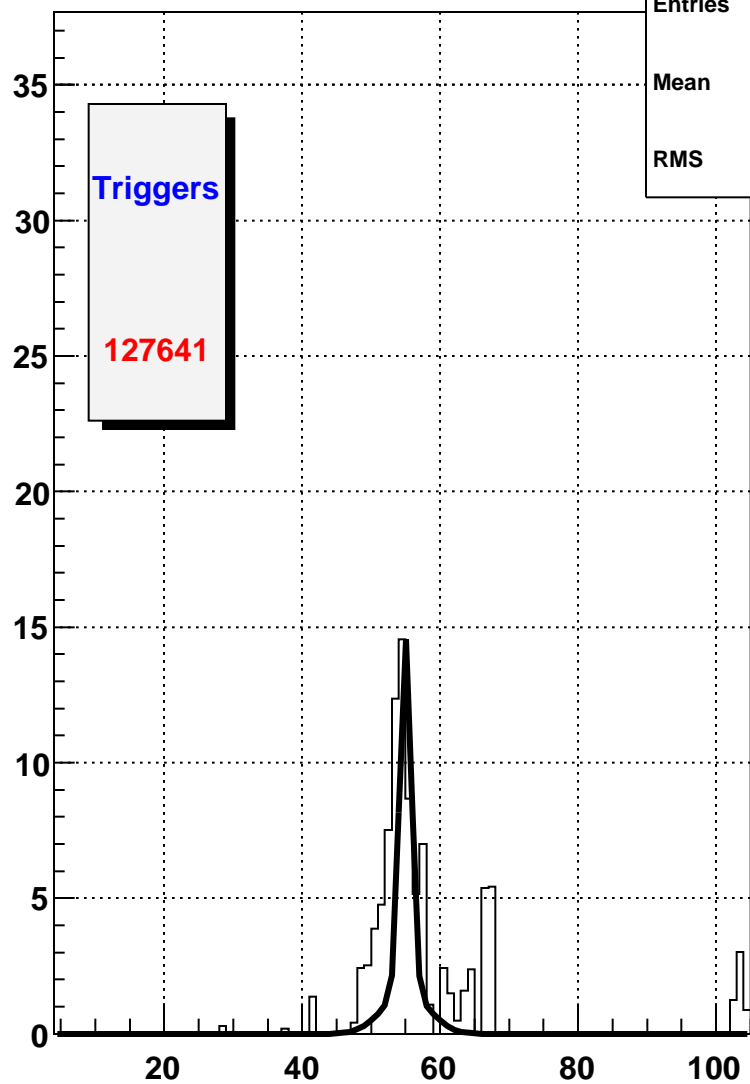




Run=7099047, Event=146880

**hSmdu**

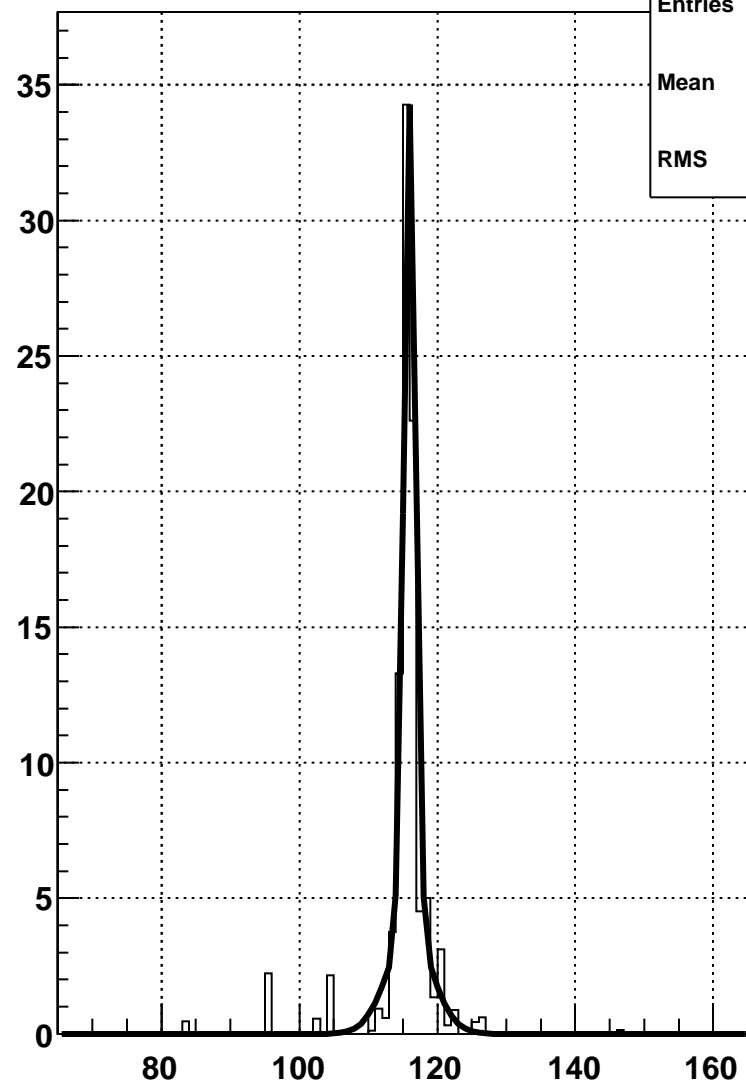
Entries	38
Mean	58.46
RMS	12.04



$p_T=5.7$  GeV,  $E=15.4$  GeV

**hSmdv**

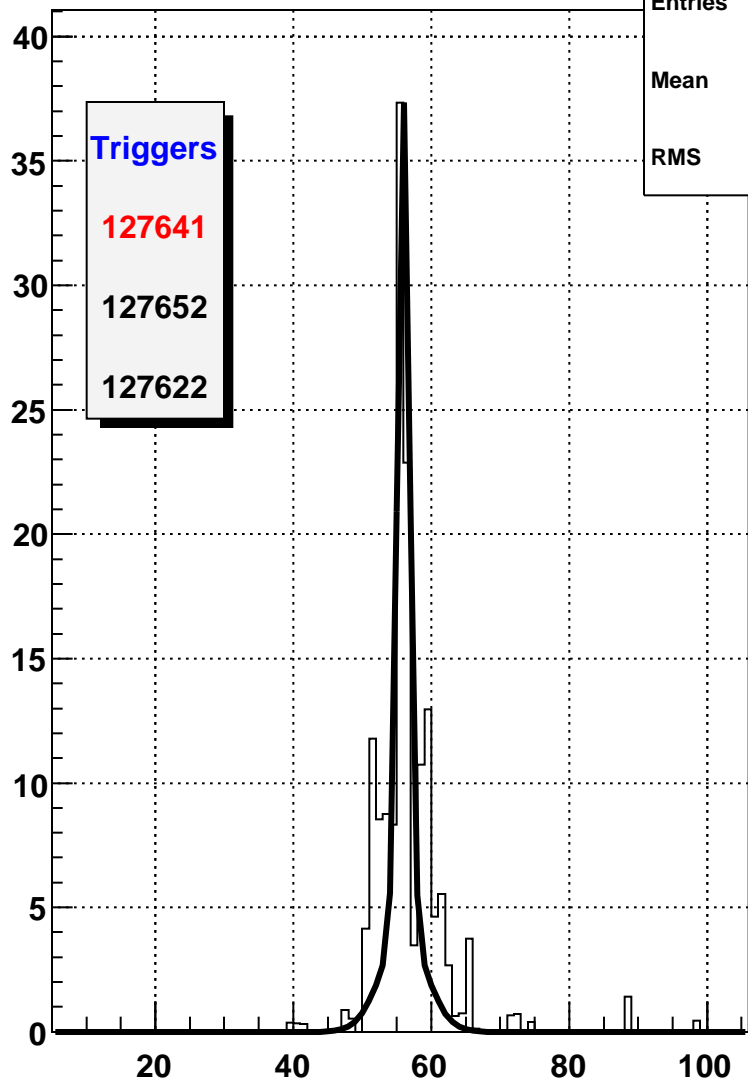
Entries	34
Mean	115.2
RMS	4.823



Run=7099047, Event=38601

**hSmdu**

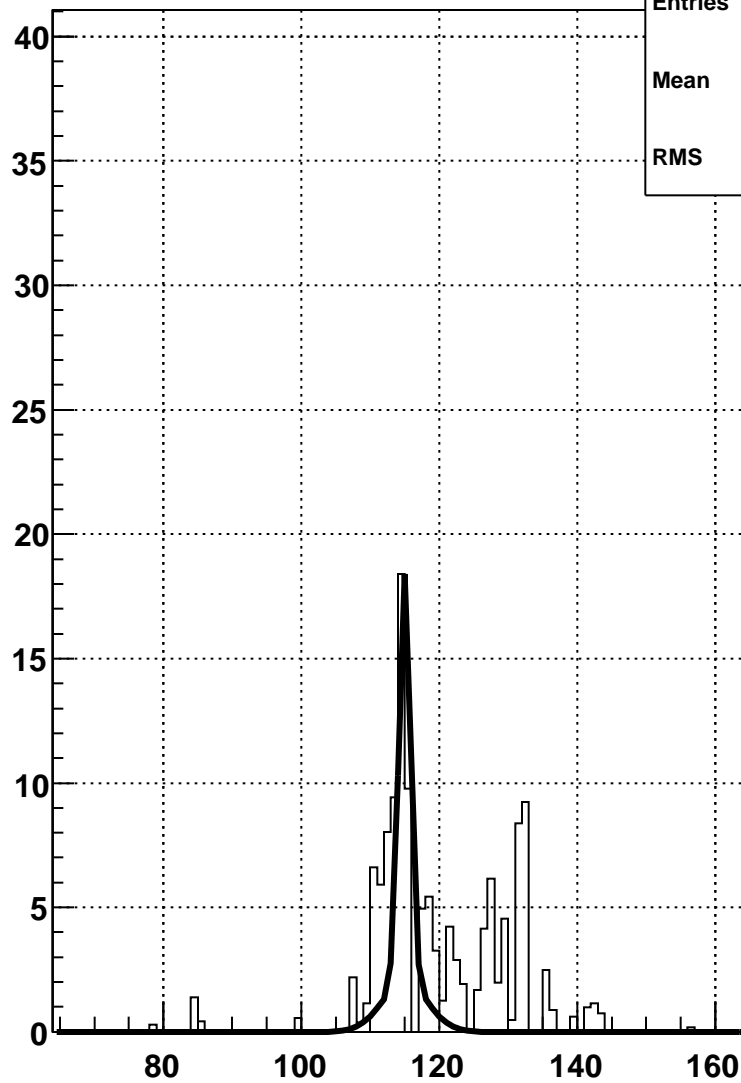
Entries	28
Mean	56.76
RMS	5.583



$p_T=6.1$  GeV,  $E=13.9$  GeV

**hSmdv**

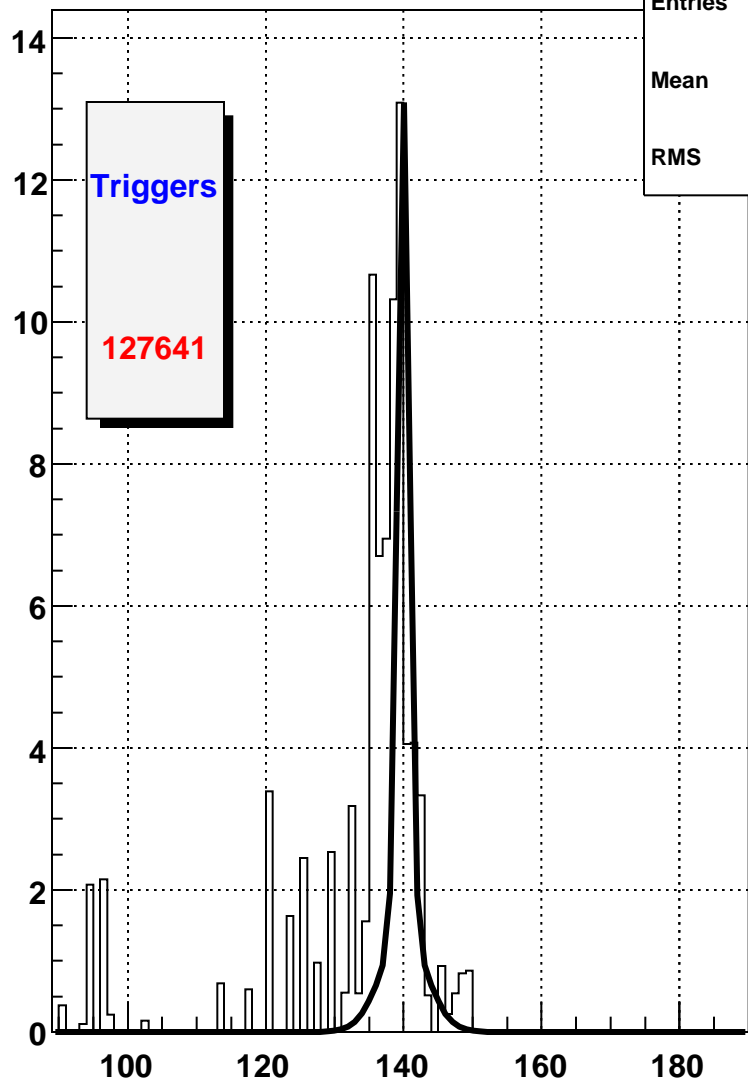
Entries	35
Mean	119.9
RMS	9.817



Run=7099047, Event=56069

**hSmdu**

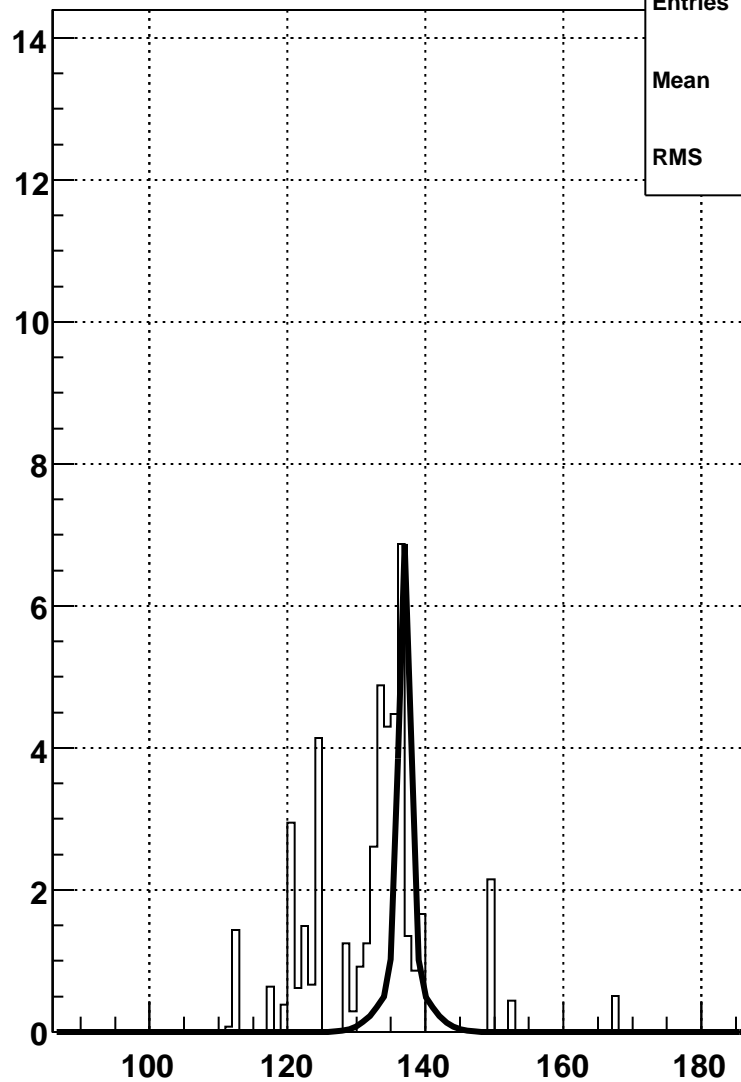
Entries	31
Mean	133.8
RMS	11.41



$p_T=5.6$  GeV,  $E=11.3$  GeV

**hSmdv**

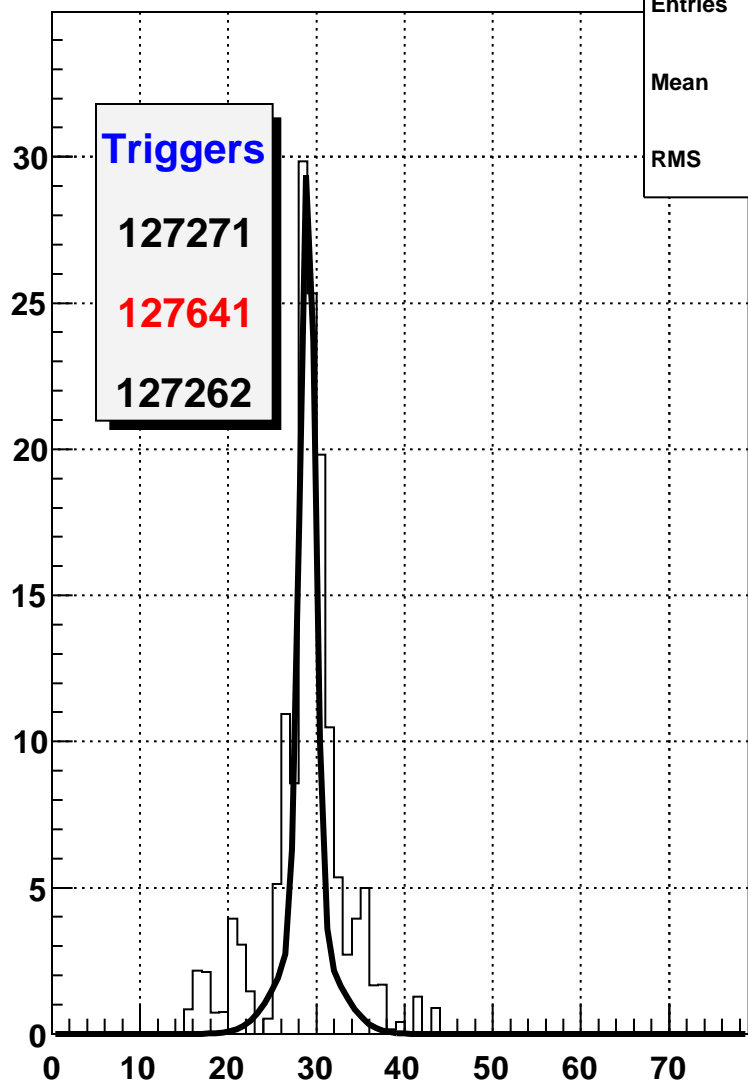
Entries	24
Mean	132.3
RMS	8.748



Run=7099047, Event=56192

**hSmdu**

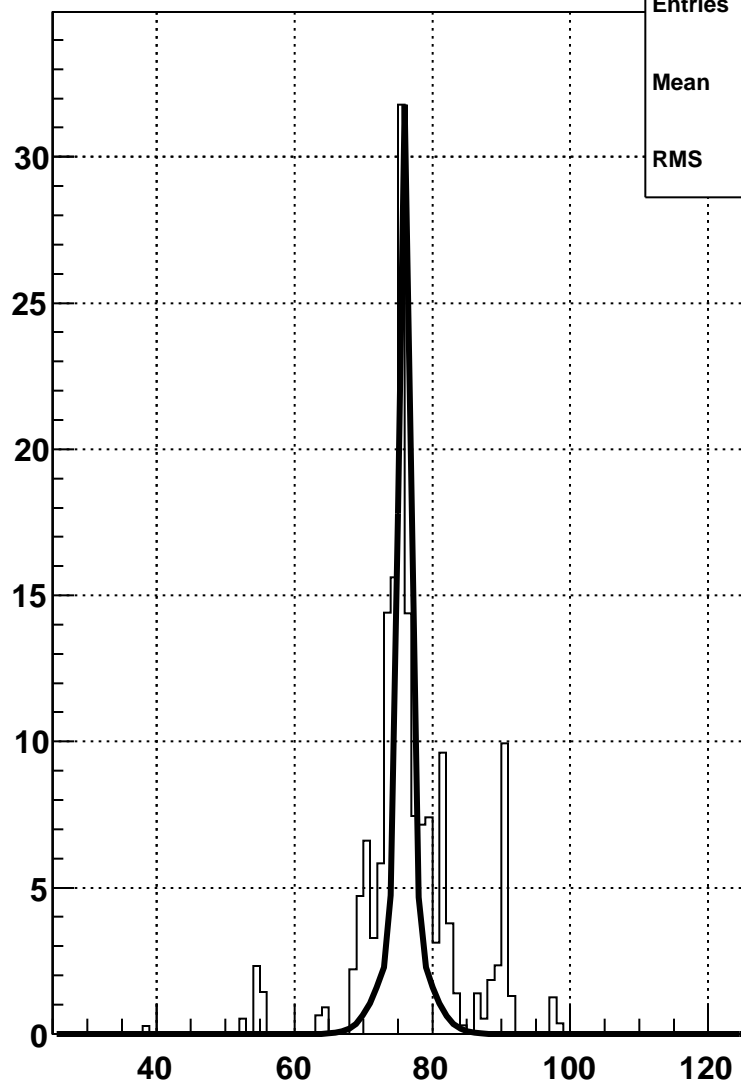
Entries	26
Mean	28.97
RMS	4.361



$p_T=5.9$  GeV,  $E=22.8$  GeV

**hSmdv**

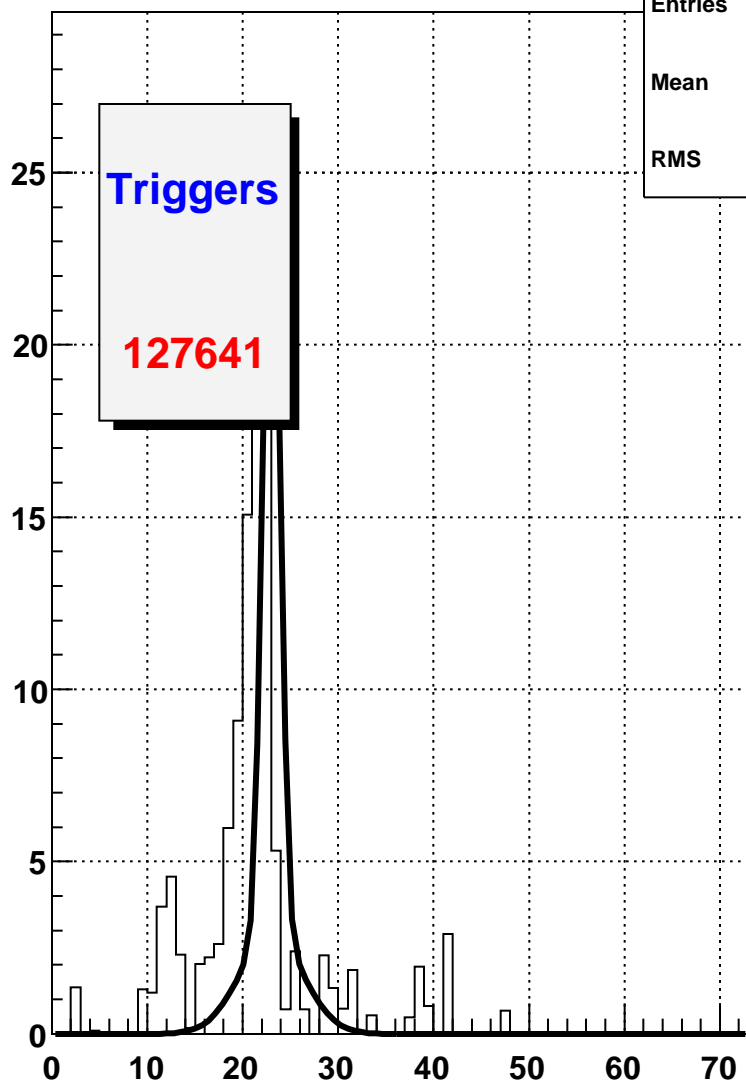
Entries	31
Mean	76.77
RMS	7.034



Run=7099047, Event=56490

**hSmdu**

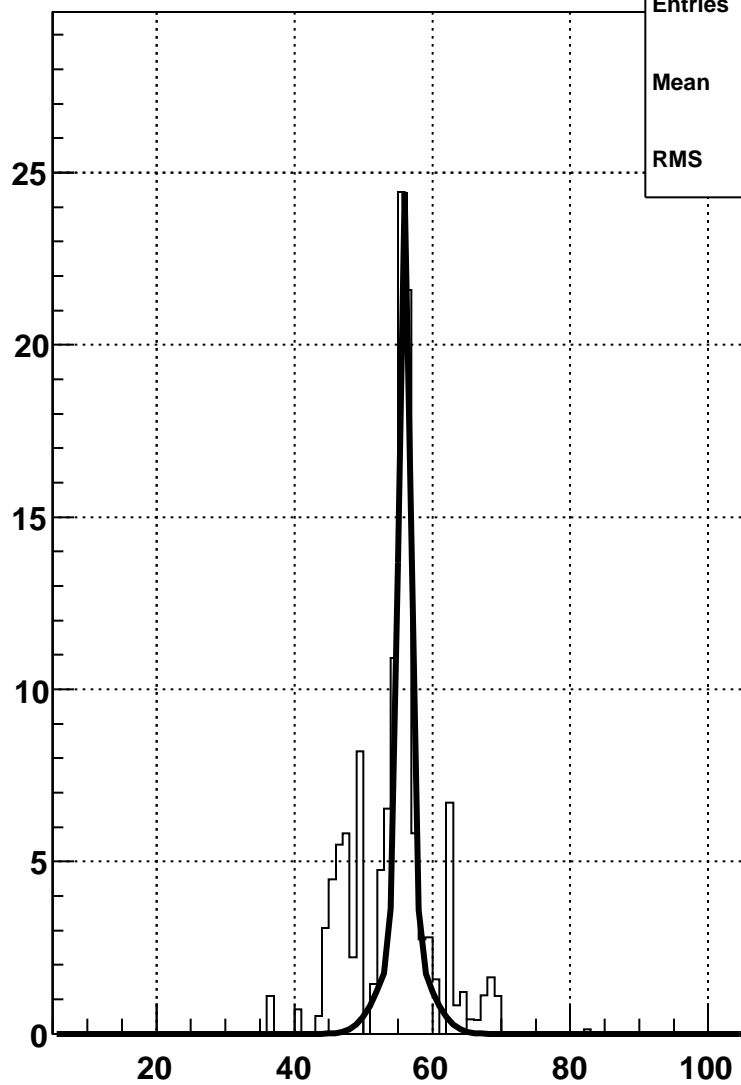
Entries	30
Mean	21.53
RMS	6.393



$p_T=5.3$  GeV,  $E=16.9$  GeV

**hSmdv**

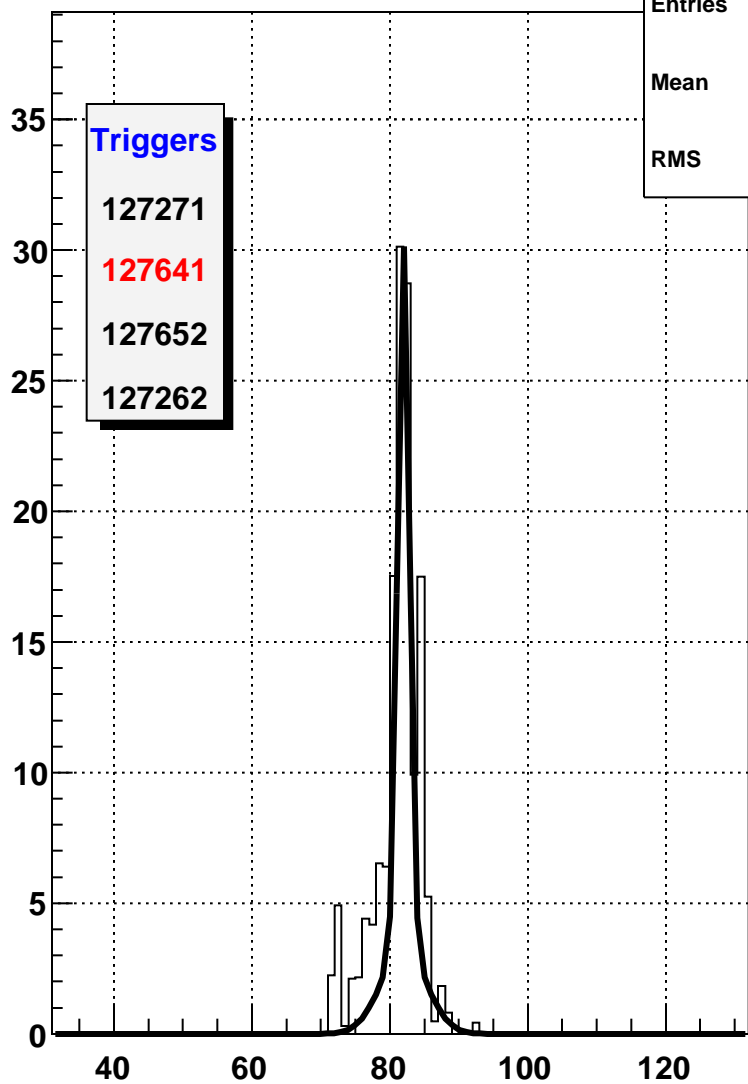
Entries	28
Mean	54.45
RMS	5.674



Run=7099047, Event=56713

**hSmdu**

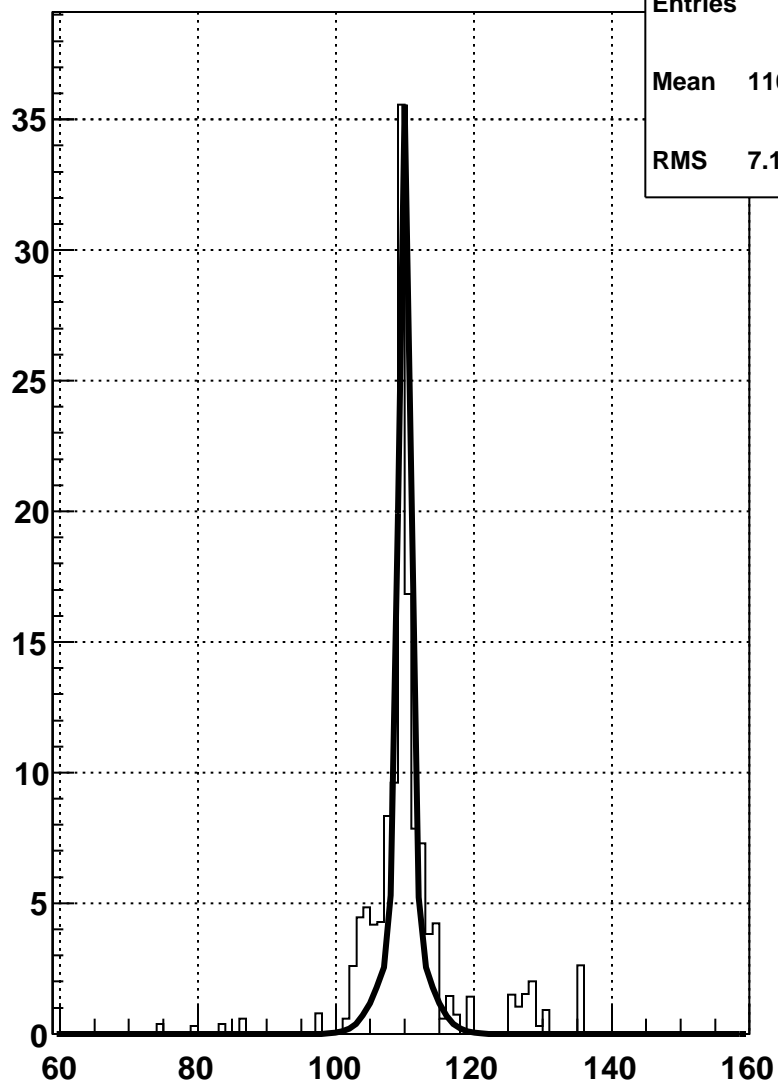
Entries 20  
Mean 81.23  
RMS 3.291



$p_T=5.3$  GeV,  $E=15.8$  GeV

**hSmdv**

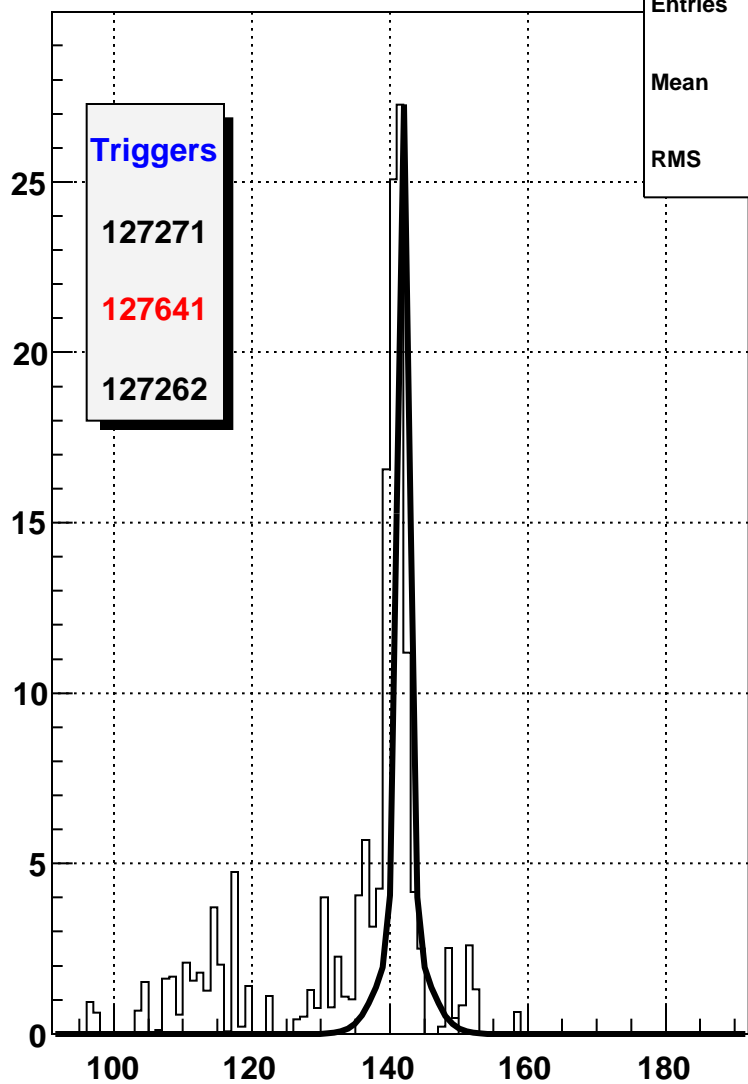
Entries 31  
Mean 110.6  
RMS 7.117



Run=7099047, Event=57068

**hSmdu**

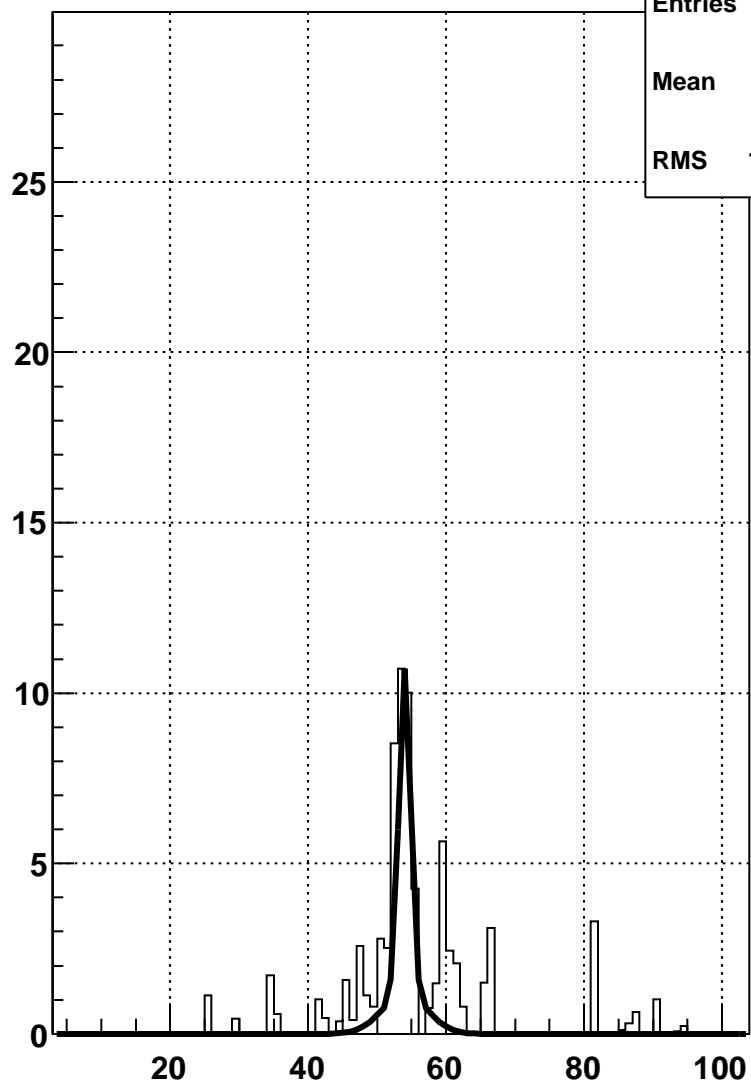
Entries	69
Mean	135.2
RMS	11.8



$p_T=5.3$  GeV,  $E=13.1$  GeV

**hSmdv**

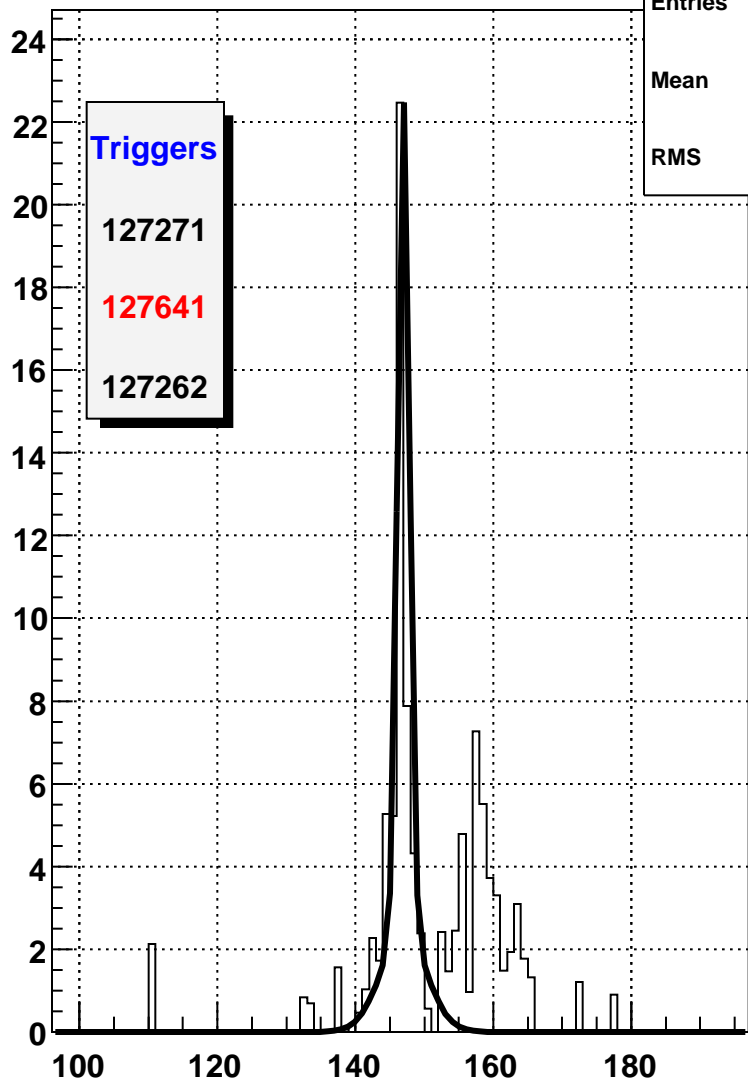
Entries	75
Mean	55.8
RMS	11.05



Run=7099047, Event=57495

**hSmdu**

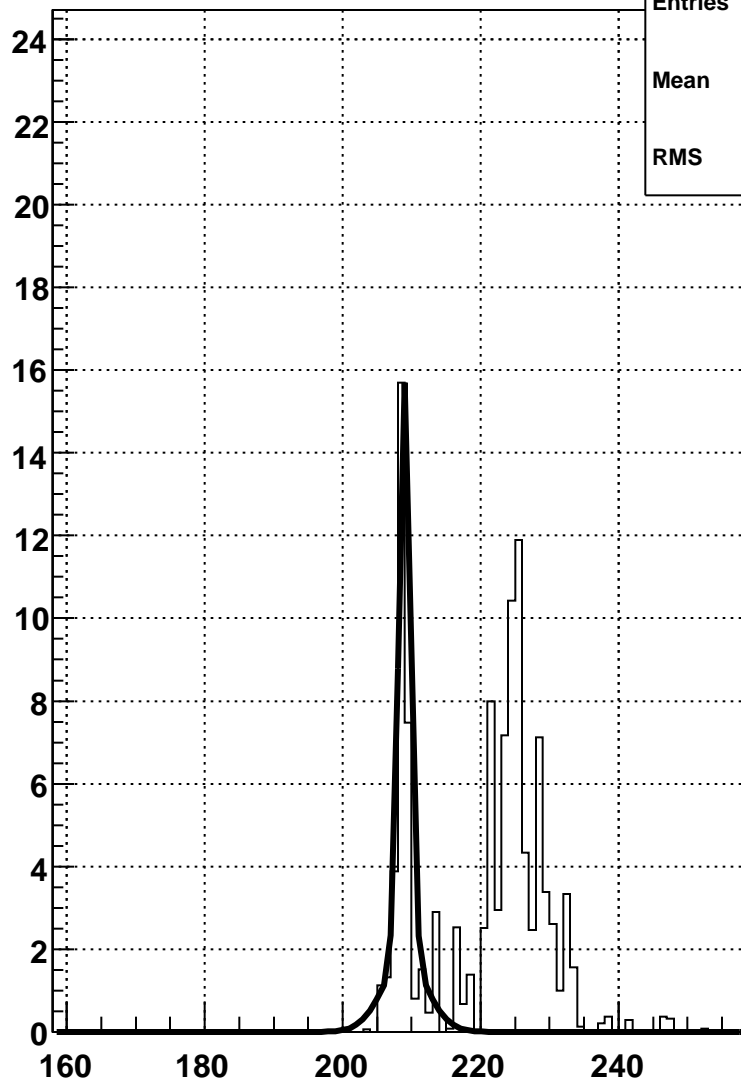
Entries	32
Mean	150.8
RMS	9.718



$p_T=5.1$  GeV,  $E=12.5$  GeV

**hSmdv**

Entries	37
Mean	220.4
RMS	8.696

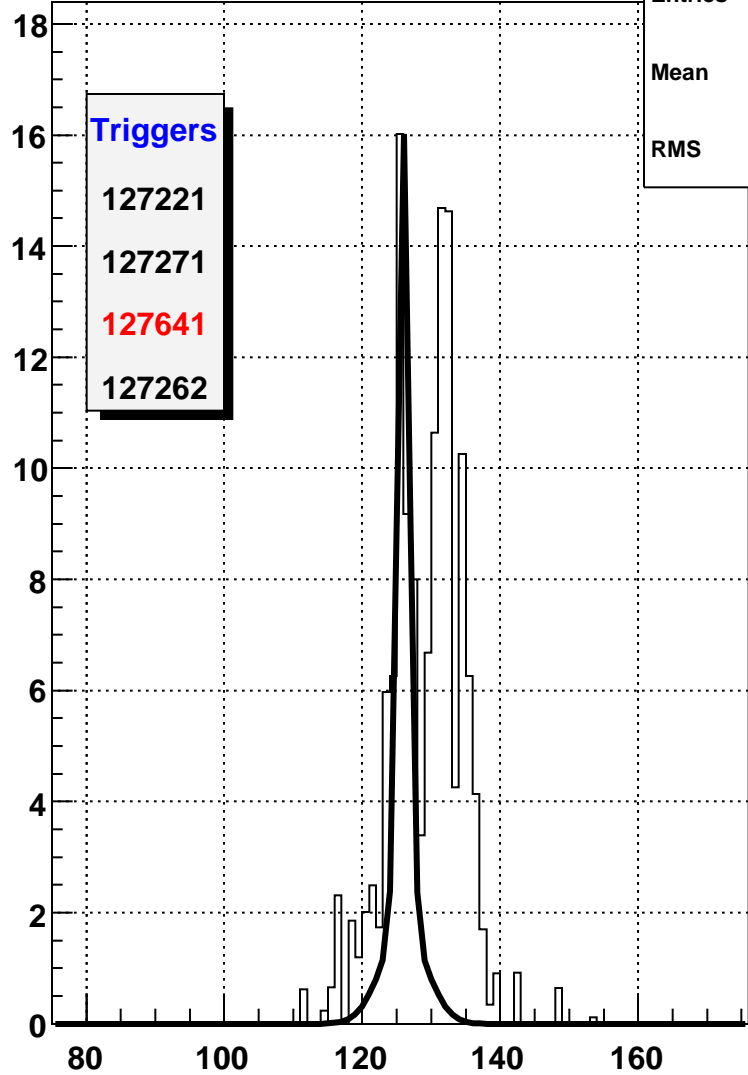




Run=7099047, Event=57541

**hSmdu**

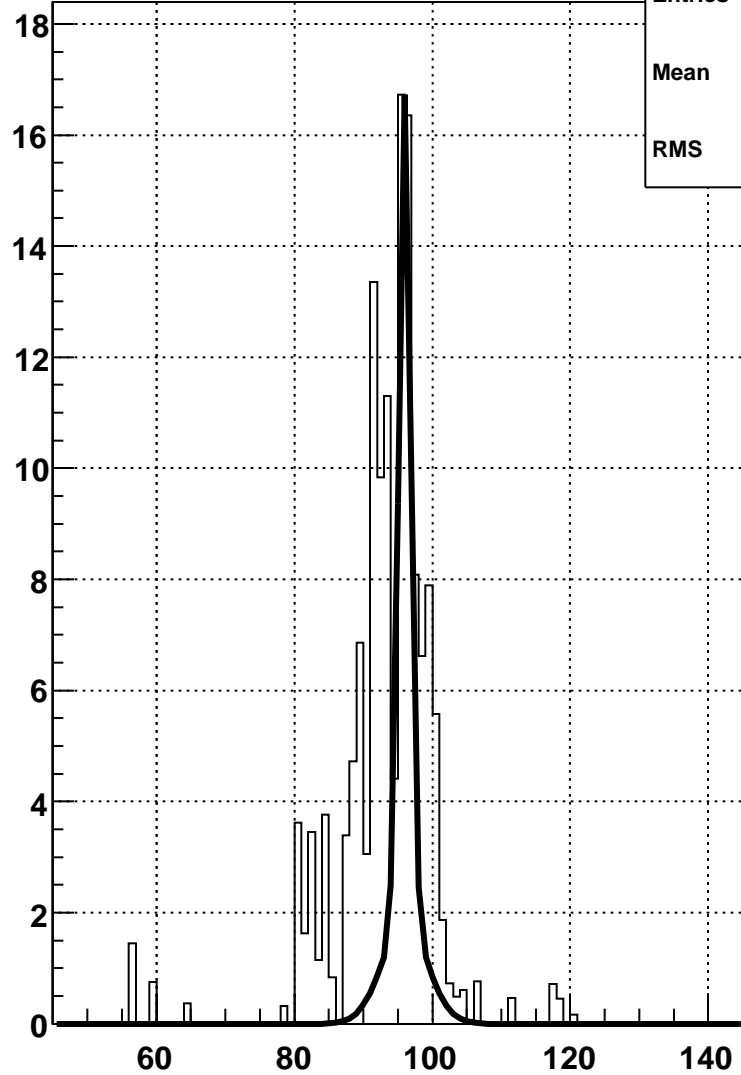
Entries	29
Mean	129.2
RMS	5.311



$p_T=9.7$  GeV,  $E=17.5$  GeV

**hSmdv**

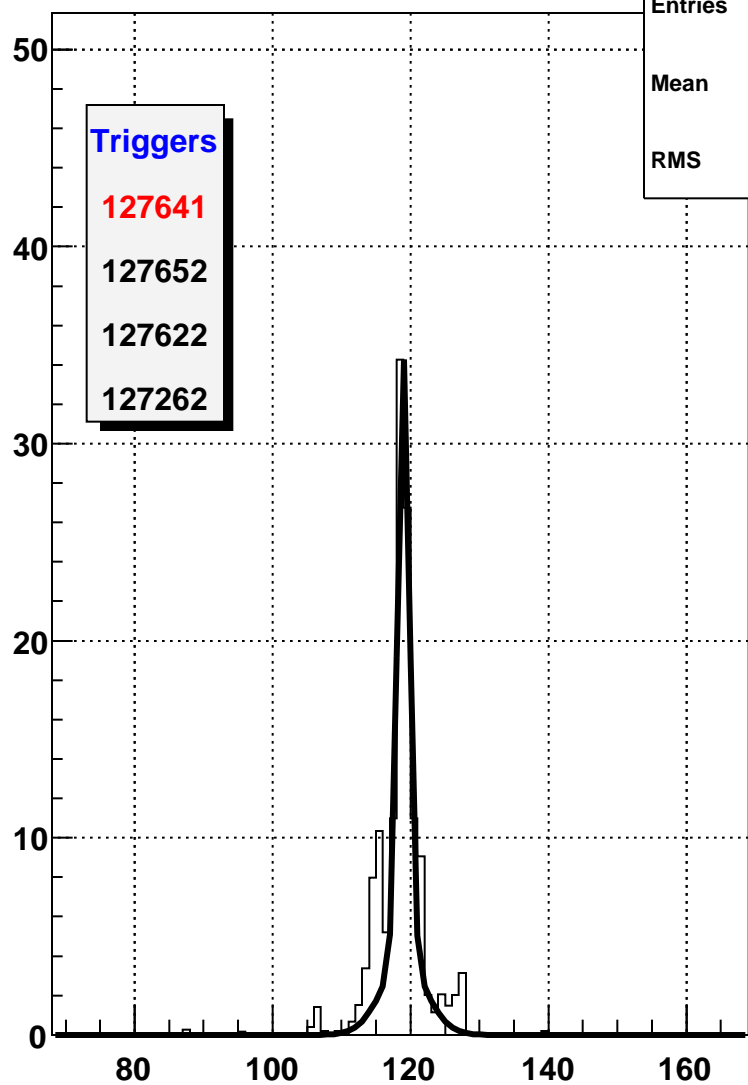
Entries	34
Mean	93.18
RMS	7.454



Run=7099047, Event=109815

**hSmdu**

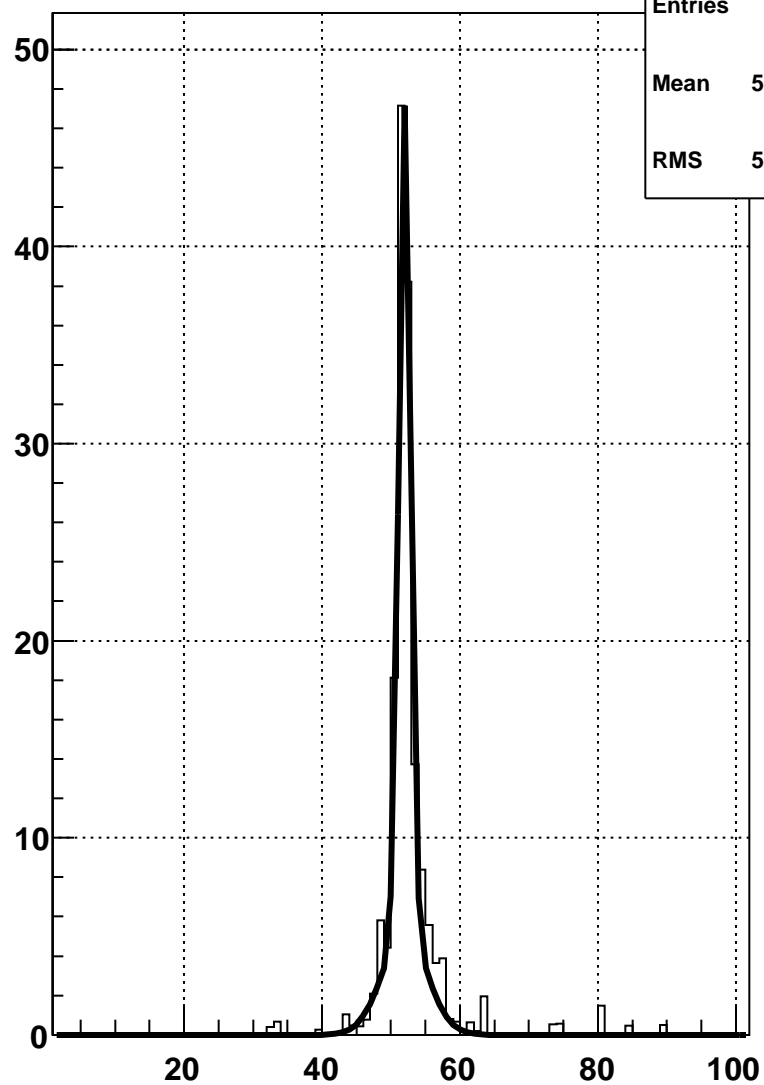
Entries	24
Mean	118.6
RMS	3.758



$p_T=7.7$  GeV,  $E=17.7$  GeV

**hSmdv**

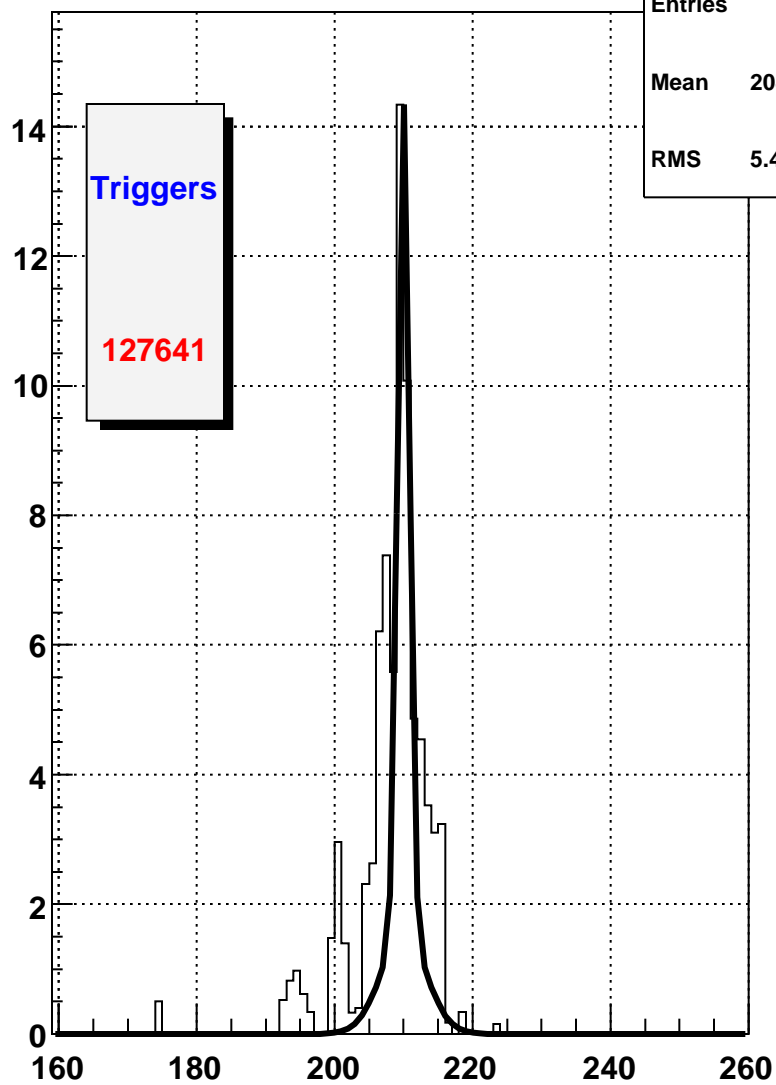
Entries	30
Mean	52.76
RMS	5.217



Run=7099047, Event=110569

**hSmdu**

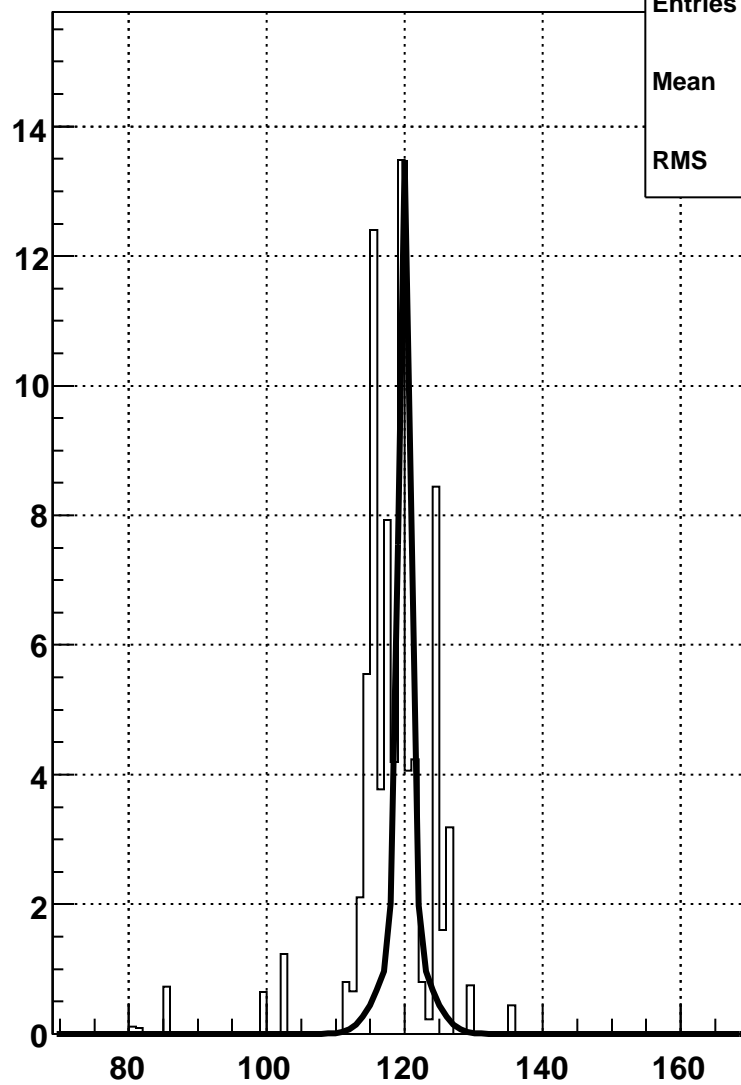
Entries	26
Mean	208.3
RMS	5.448



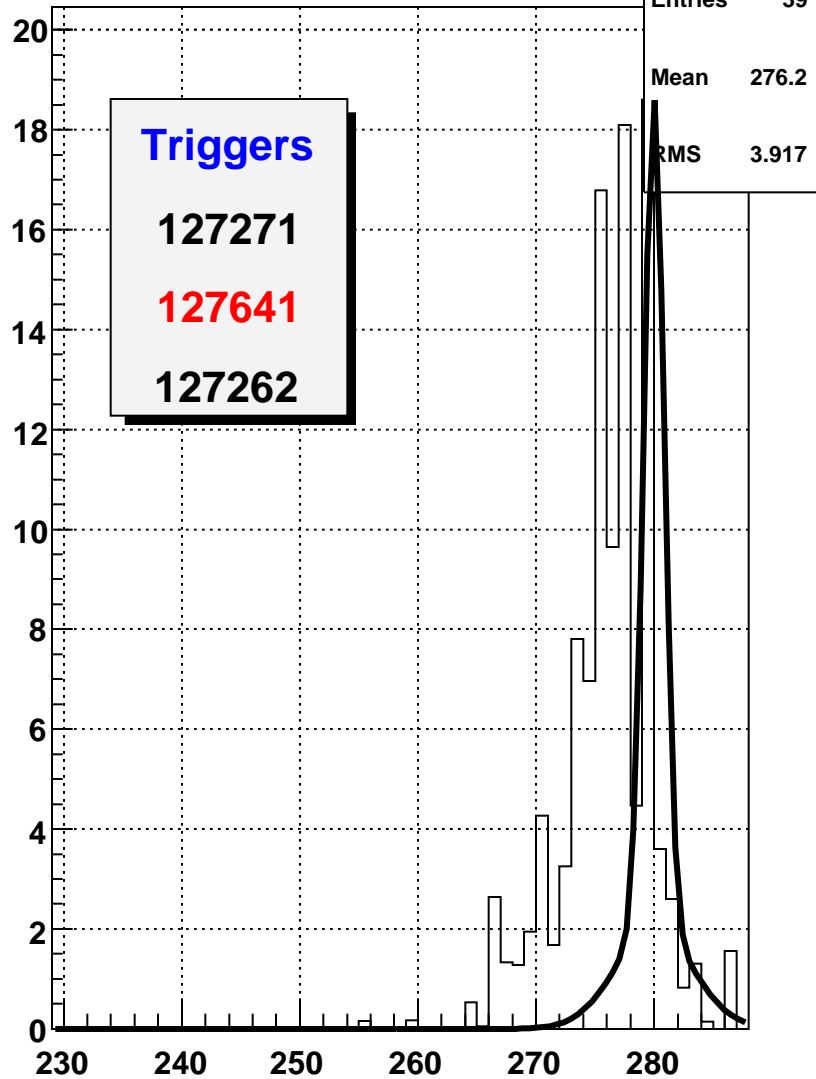
$p_T=5.9$  GeV,  $E=11.0$  GeV

**hSmdv**

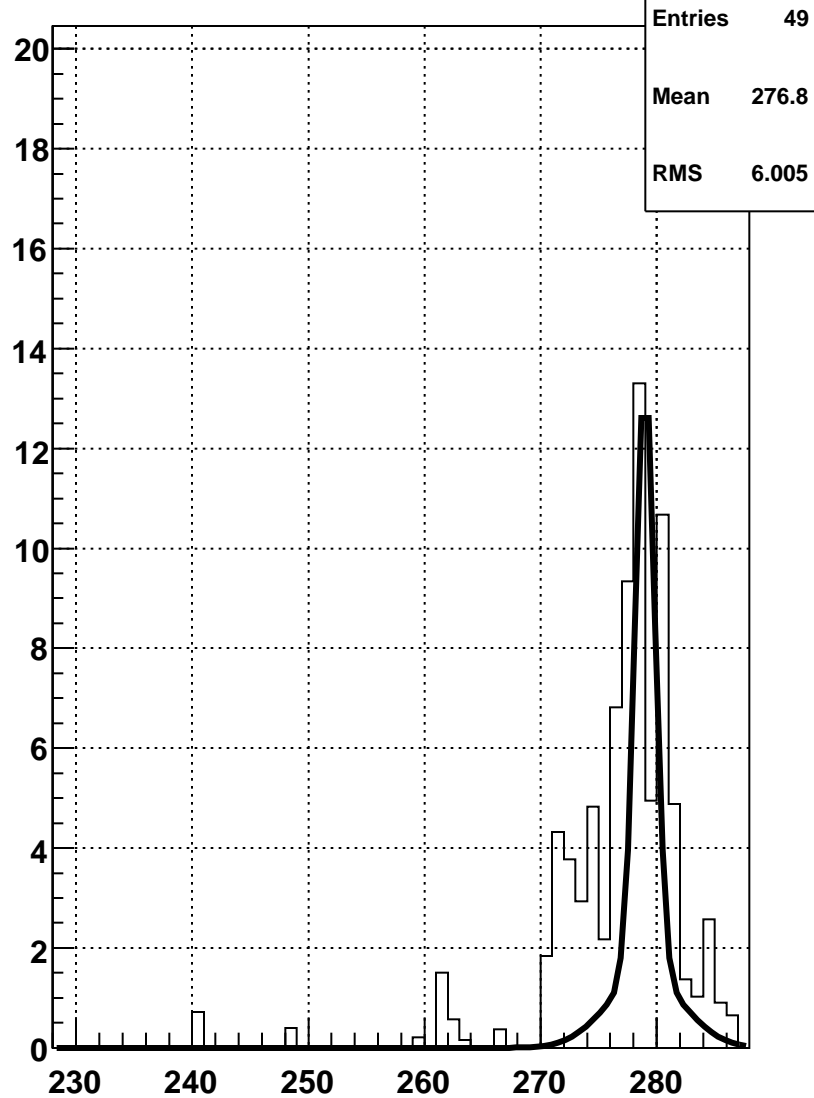
Entries	23
Mean	118.3
RMS	6.06



Run=7099047, Event=110944



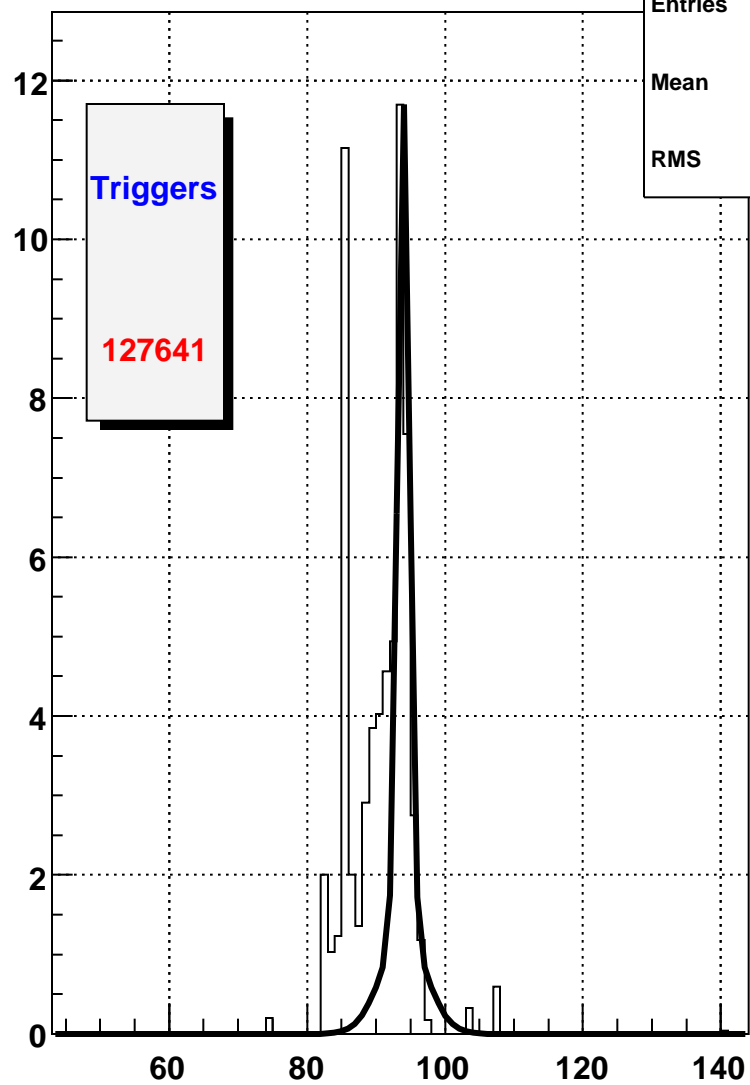
$p_T=7.2$  GeV,  $E=14.0$  GeV



Run=7099047, Event=112478

**hSmdu**

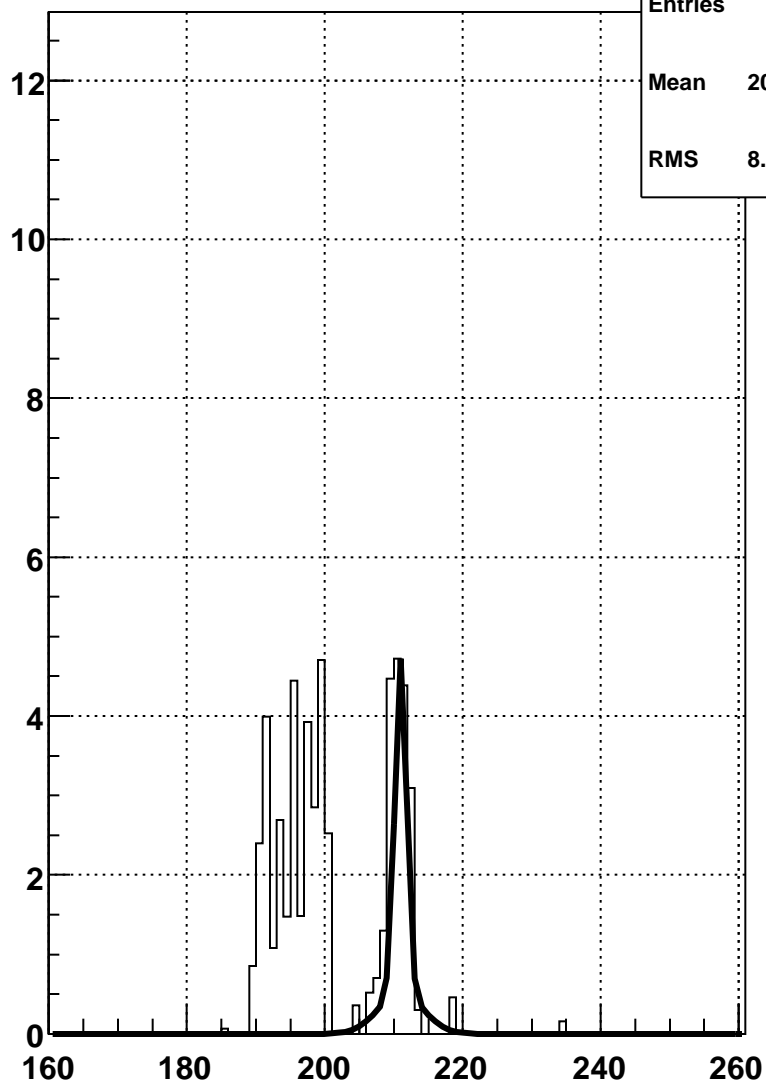
Entries	20
Mean	90.61
RMS	4.555



$p_T=7.0$  GeV,  $E=12.7$  GeV

**hSmdv**

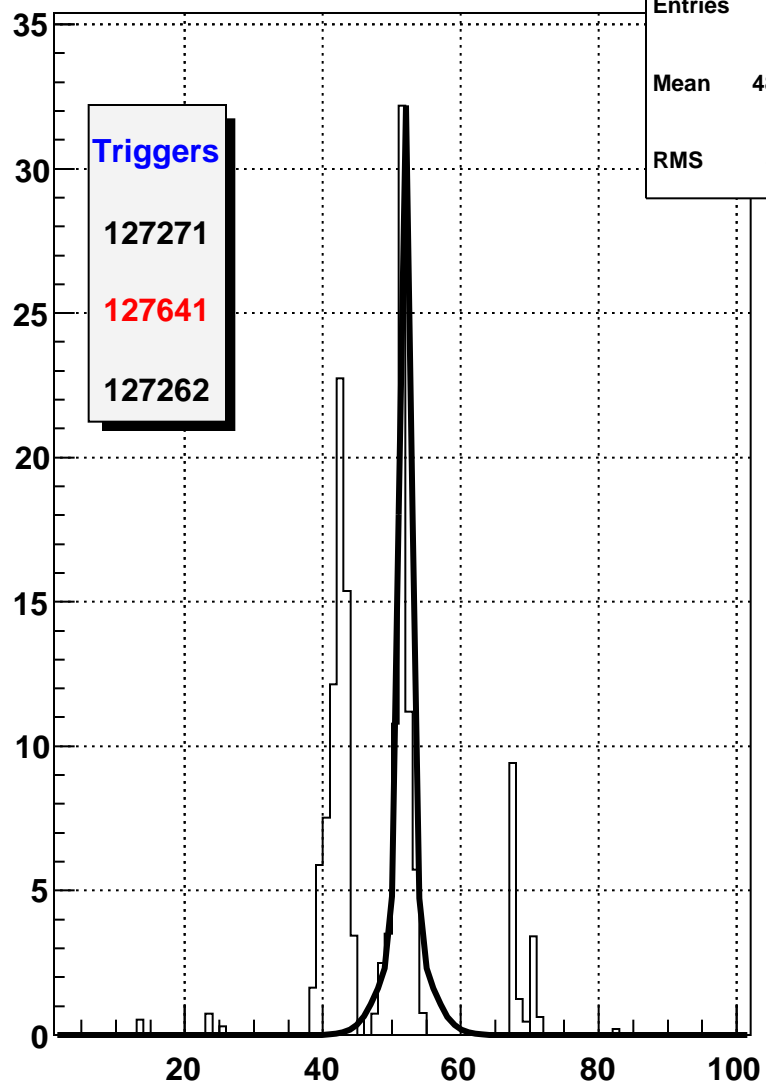
Entries	24
Mean	201.5
RMS	8.016



Run=7099047, Event=112671

**hSmdu**

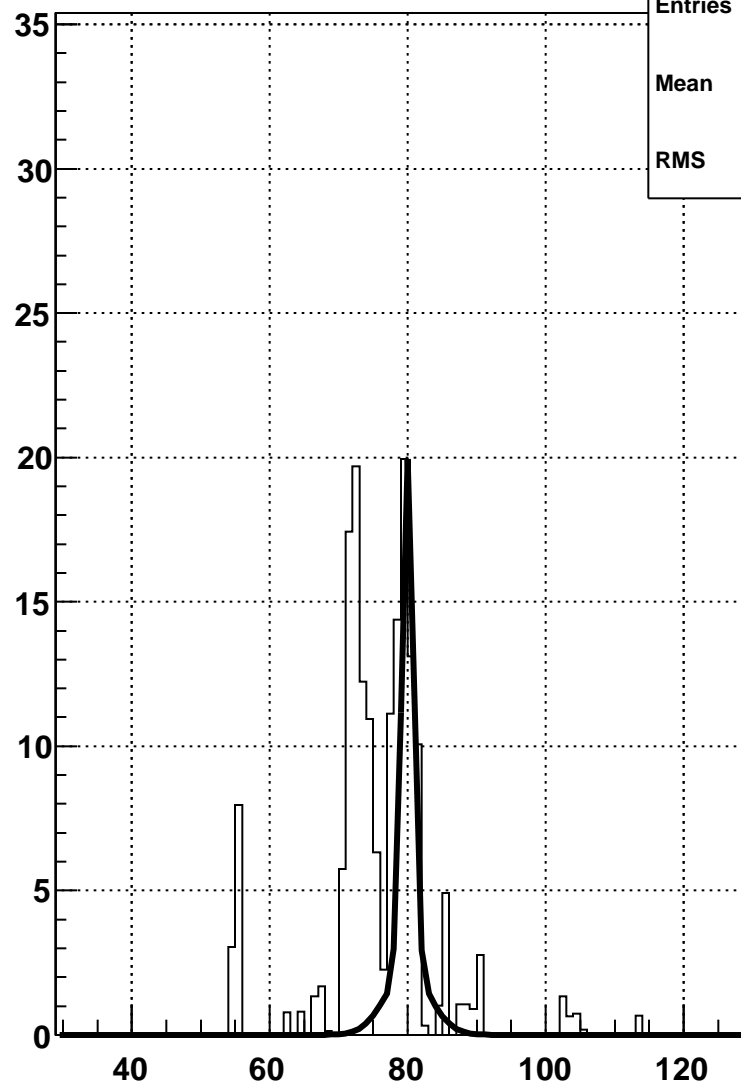
Entries	25
Mean	48.64
RMS	8.56



$p_T=5.3$  GeV,  $E=25.2$  GeV

**hSmdv**

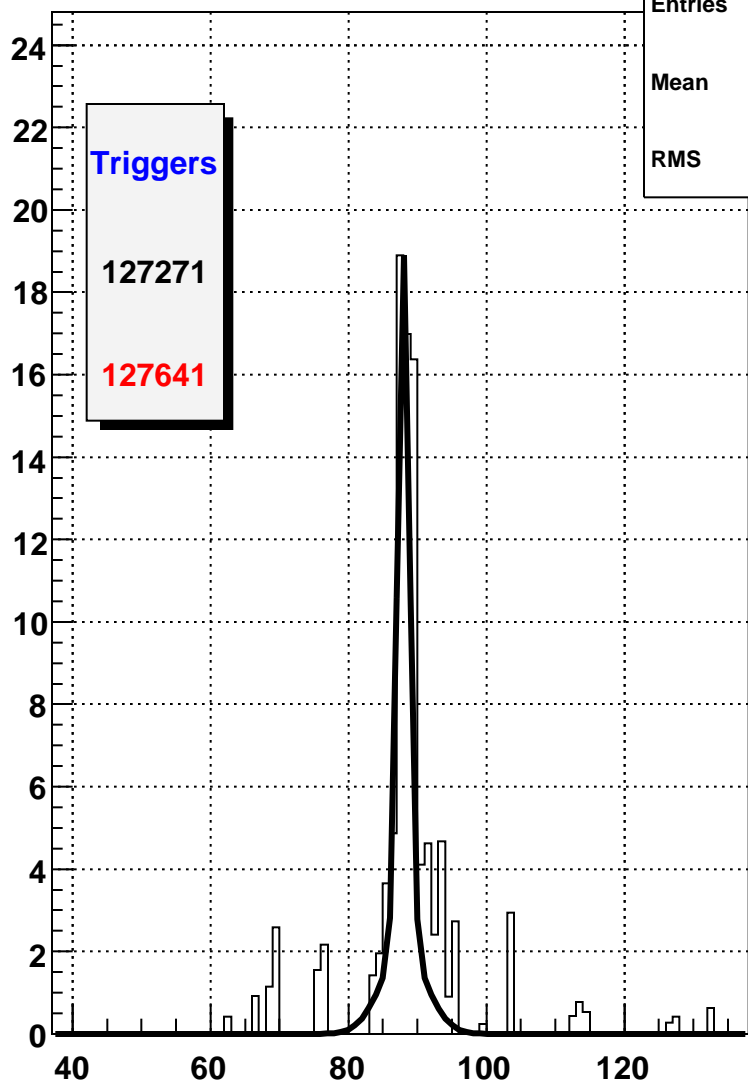
Entries	31
Mean	75.84
RMS	8.205



Run=7099047, Event=112966

**hSmdu**

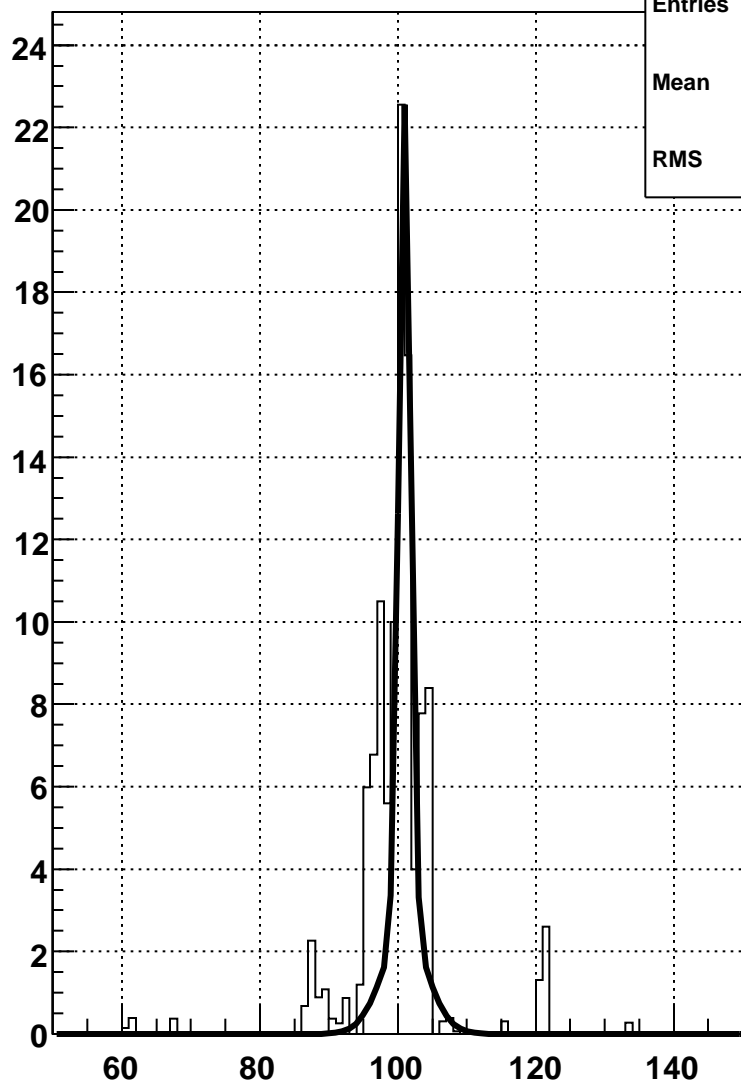
Entries	29
Mean	88.87
RMS	8.571



$p_T=5.8$  GeV,  $E=12.9$  GeV

**hSmdv**

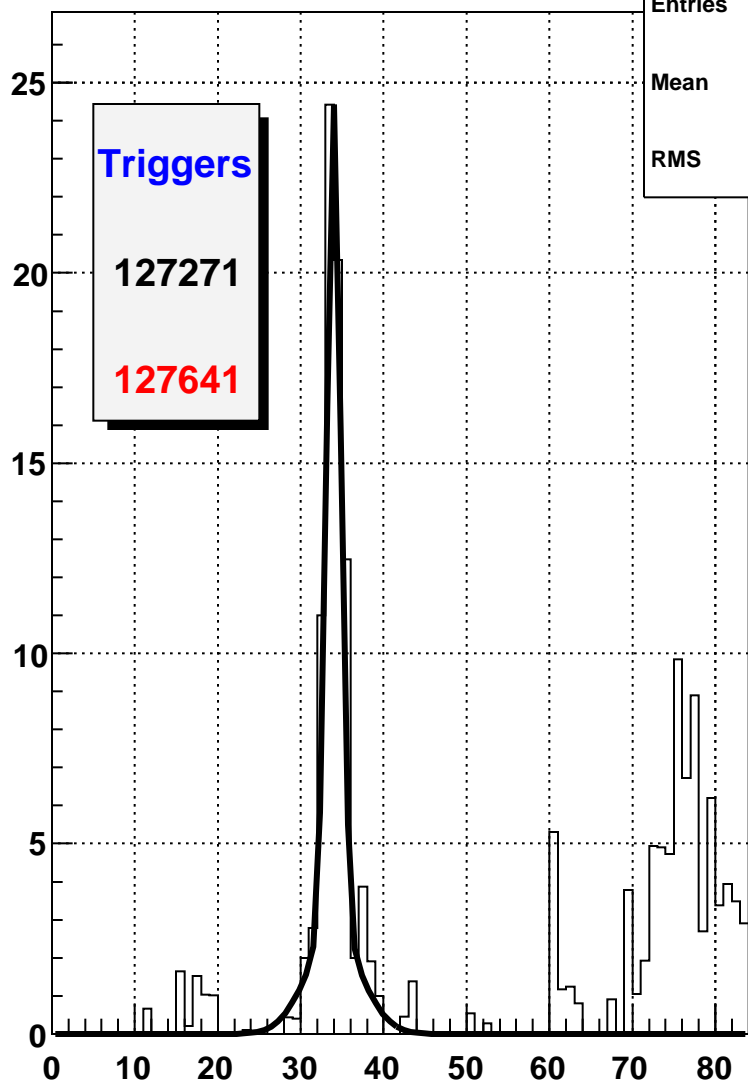
Entries	28
Mean	100.1
RMS	6.562



Run=7099047, Event=24099

**hSmdu**

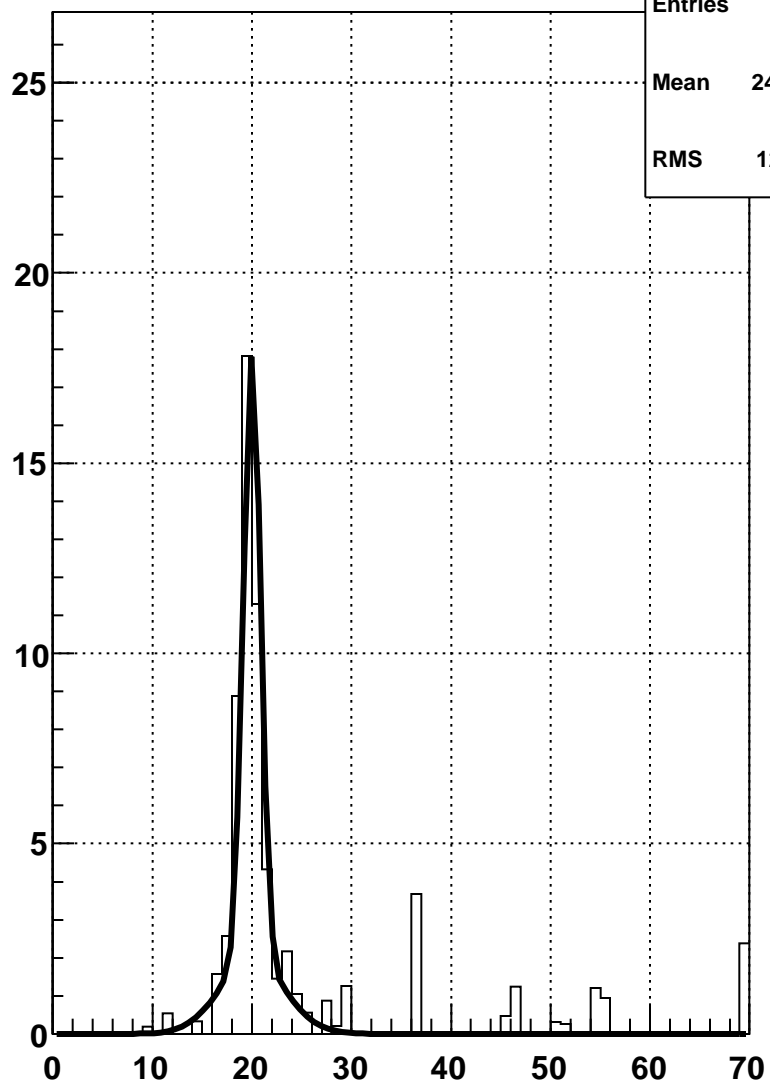
Entries	59
Mean	52.58
RMS	21.44



$p_T=7.1$  GeV,  $E=22.9$  GeV

**hSmdv**

Entries	62
Mean	24.94
RMS	12.31

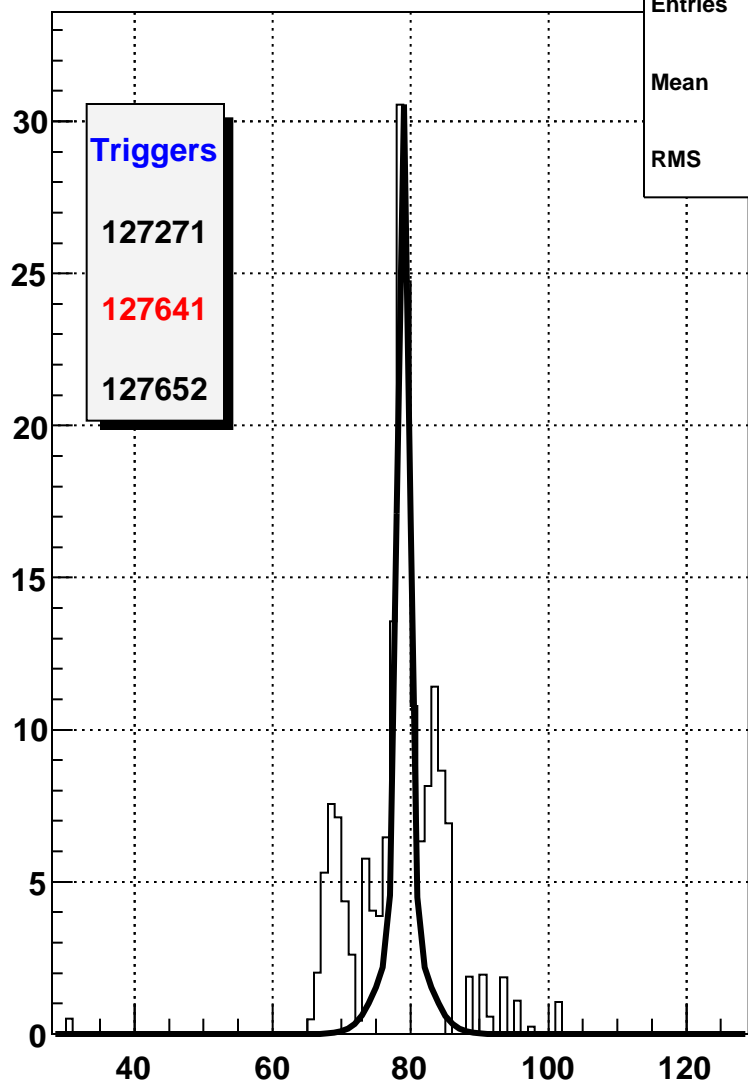




Run=7099047, Event=25140

**hSmdu**

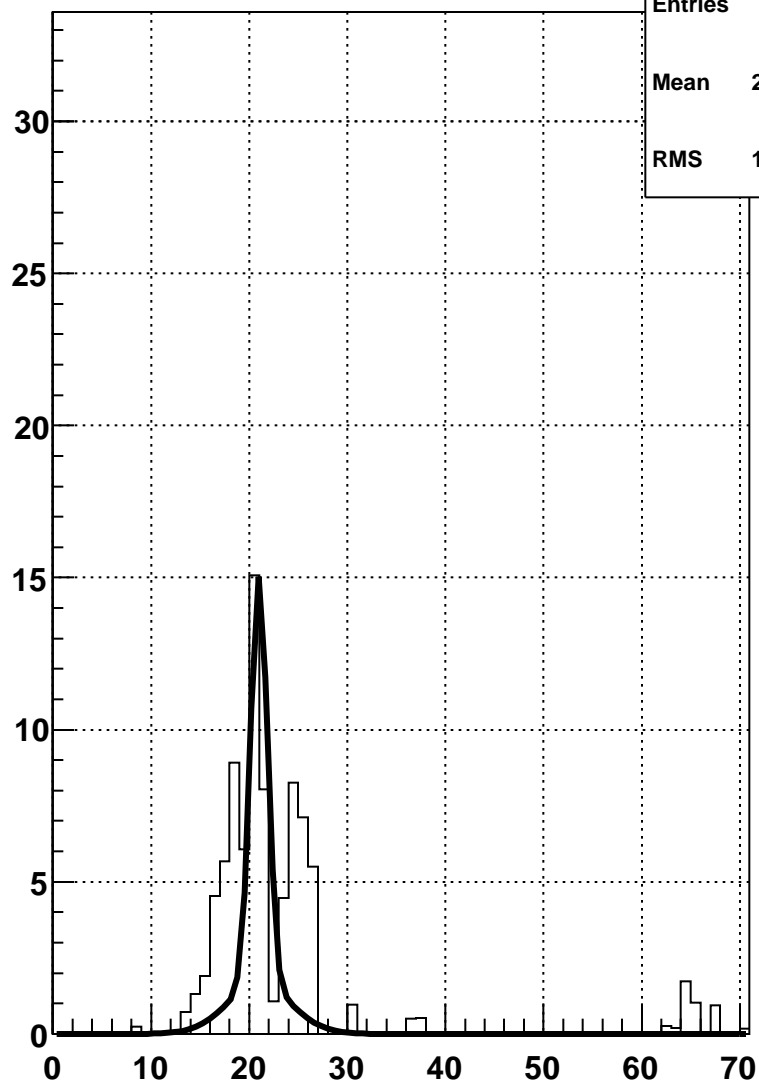
Entries	34
Mean	78.44
RMS	6.382



$p_T=6.8$  GeV,  $E=21.0$  GeV

**hSmdv**

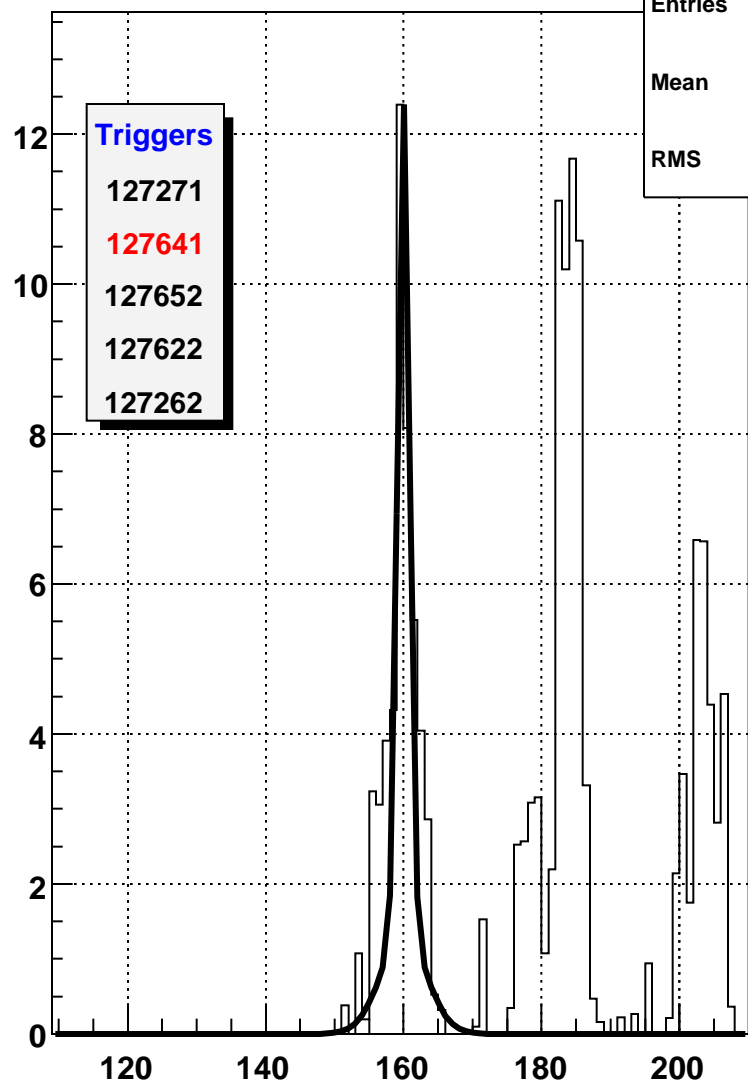
Entries	49
Mean	23.56
RMS	10.38



Run=7099047, Event=25265

**hSmdu**

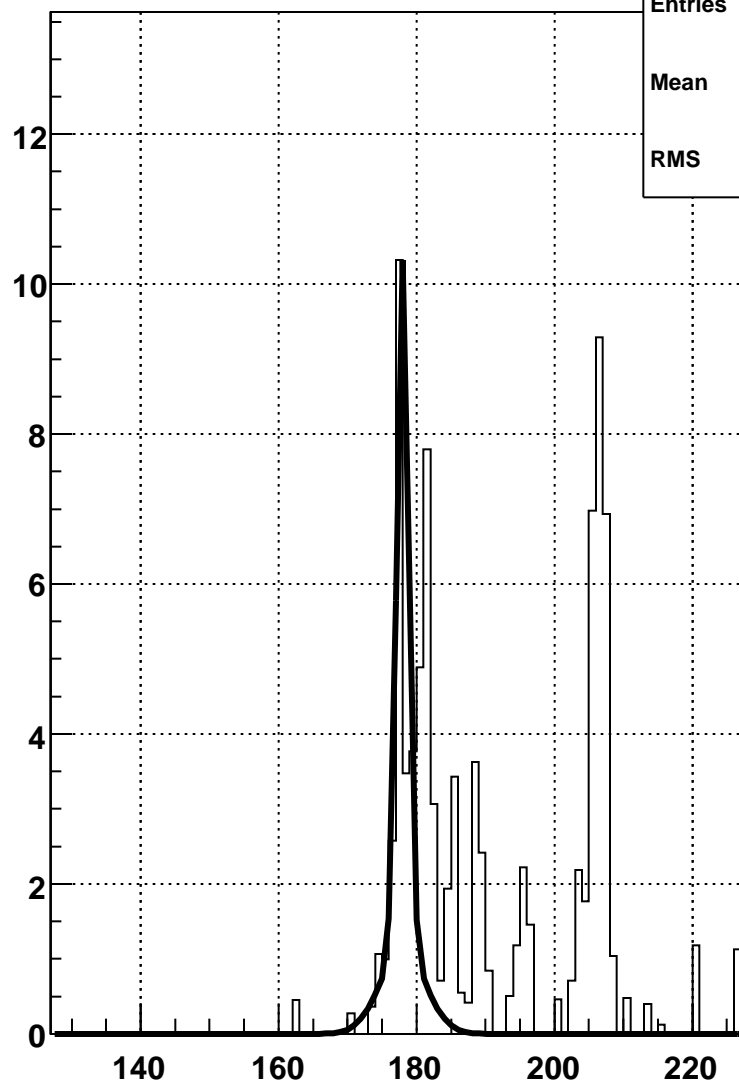
Entries	49
Mean	179.6
RMS	16.55



$p_T=6.9$  GeV,  $E=13.4$  GeV

**hSmdv**

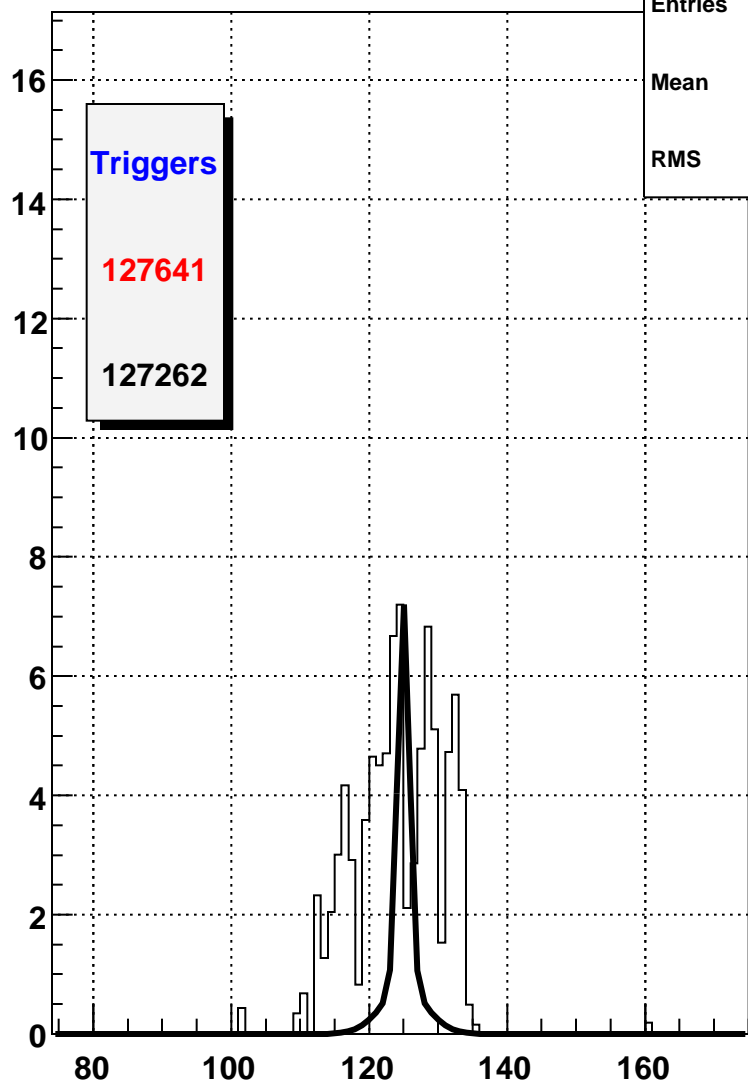
Entries	37
Mean	191.4
RMS	13.27



Run=7099047, Event=86752

**hSmdu**

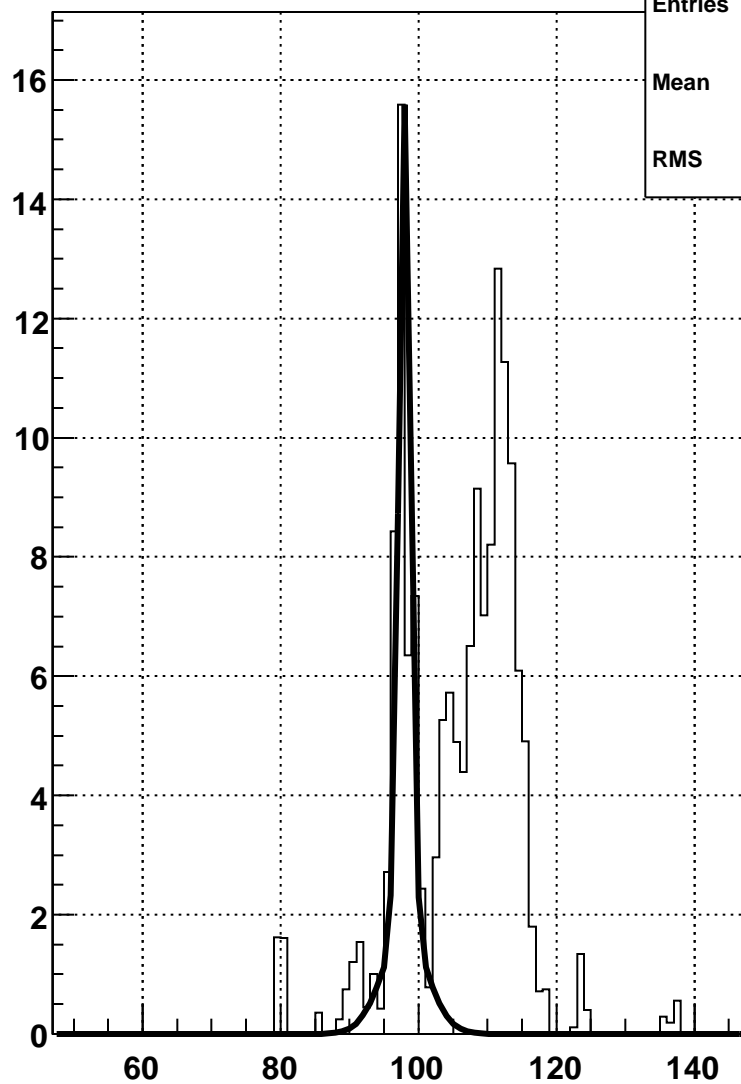
Entries	28
Mean	124.2
RMS	6.427



$p_T=5.5$  GeV,  $E=14.5$  GeV

**hSmdv**

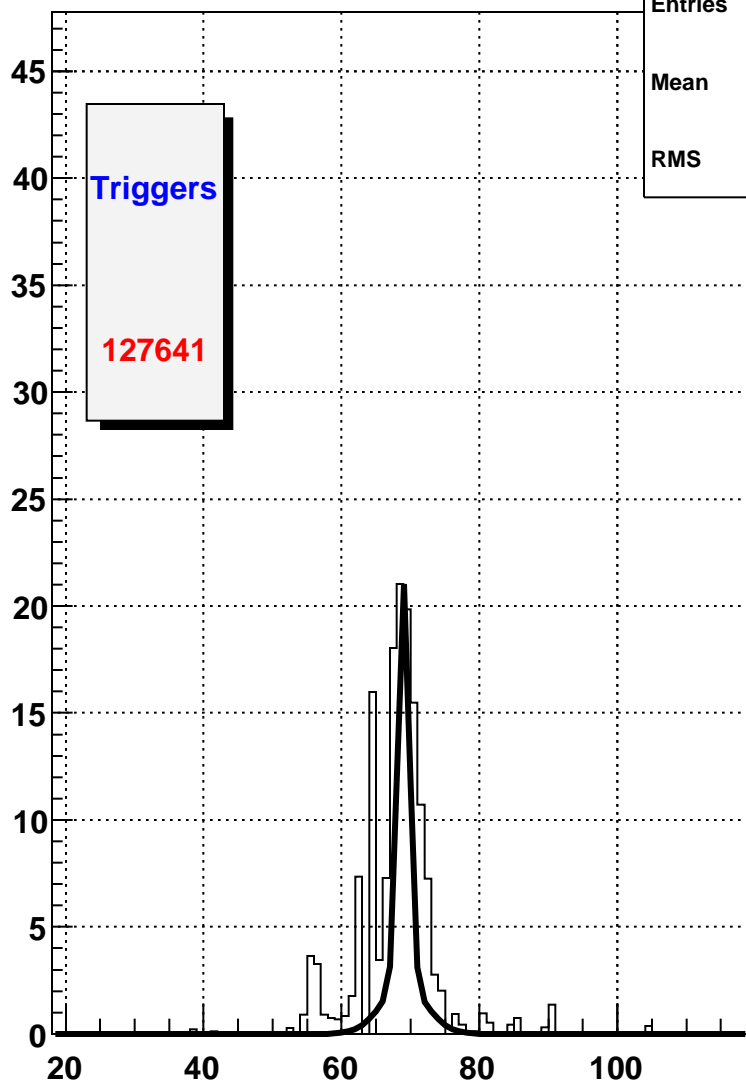
Entries	40
Mean	105.7
RMS	8.391



Run=7099047, Event=86816

**hSmdu**

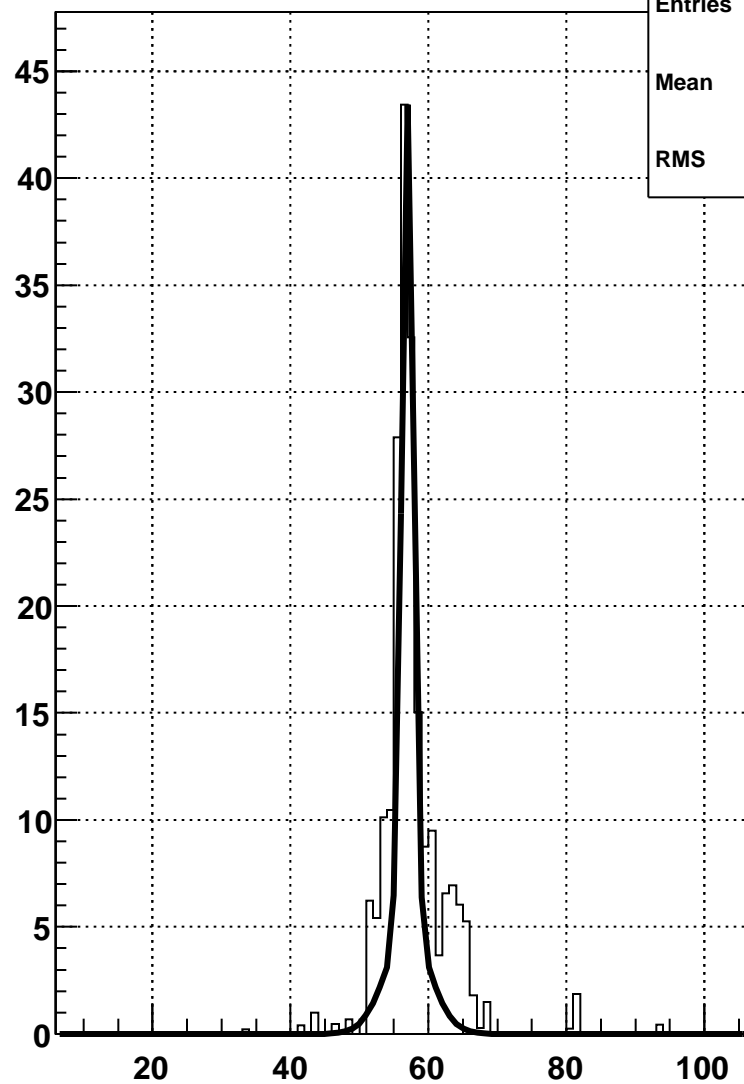
Entries	34
Mean	68.06
RMS	5.709



$p_T=5.8$  GeV,  $E=17.7$  GeV

**hSmdv**

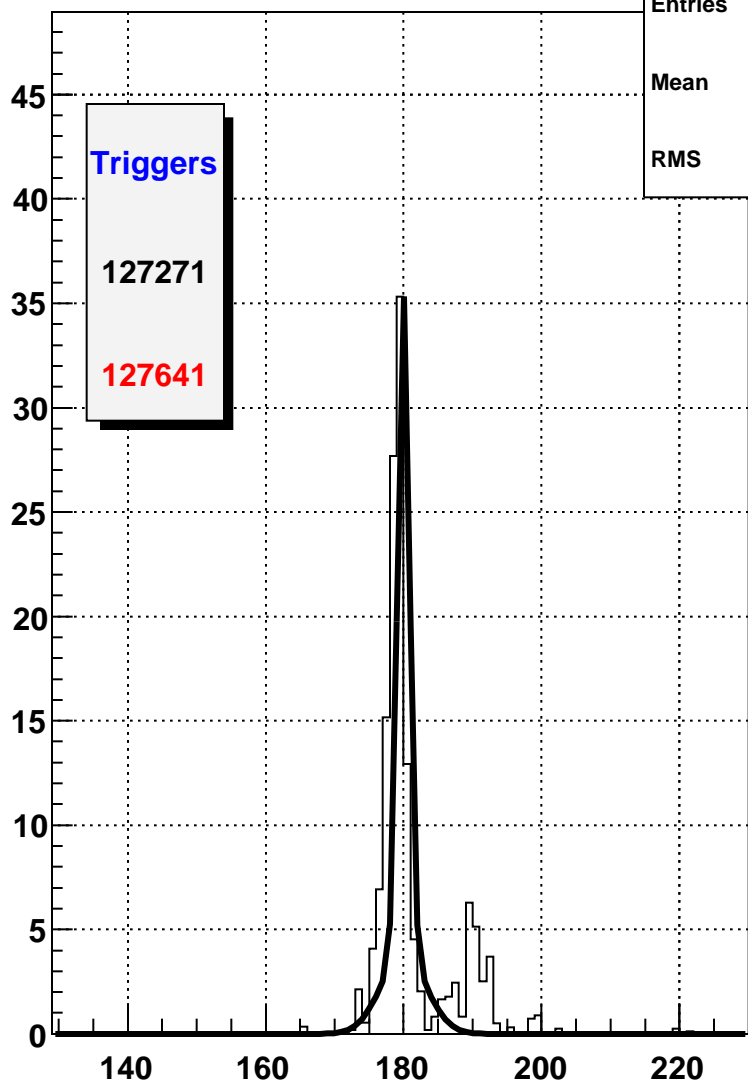
Entries	26
Mean	57.81
RMS	4.743



Run=7099047, Event=86862

**hSmdu**

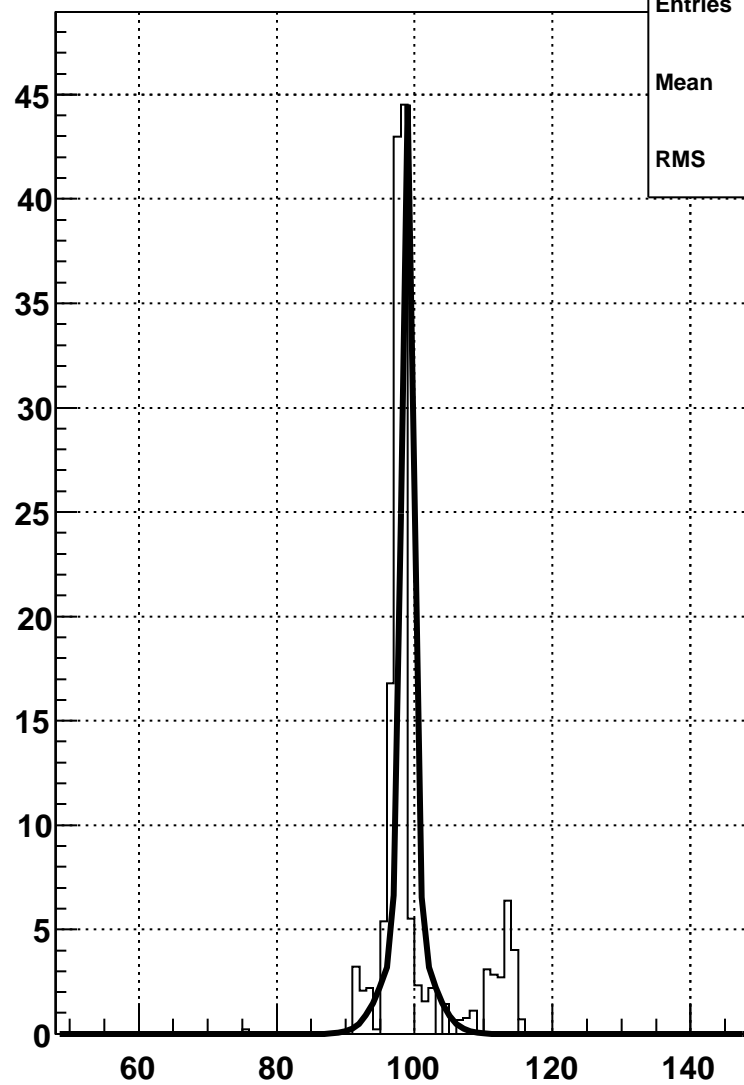
Entries	31
Mean	181.1
RMS	5.492



$p_T=8.7$  GeV,  $E=17.8$  GeV

**hSmdv**

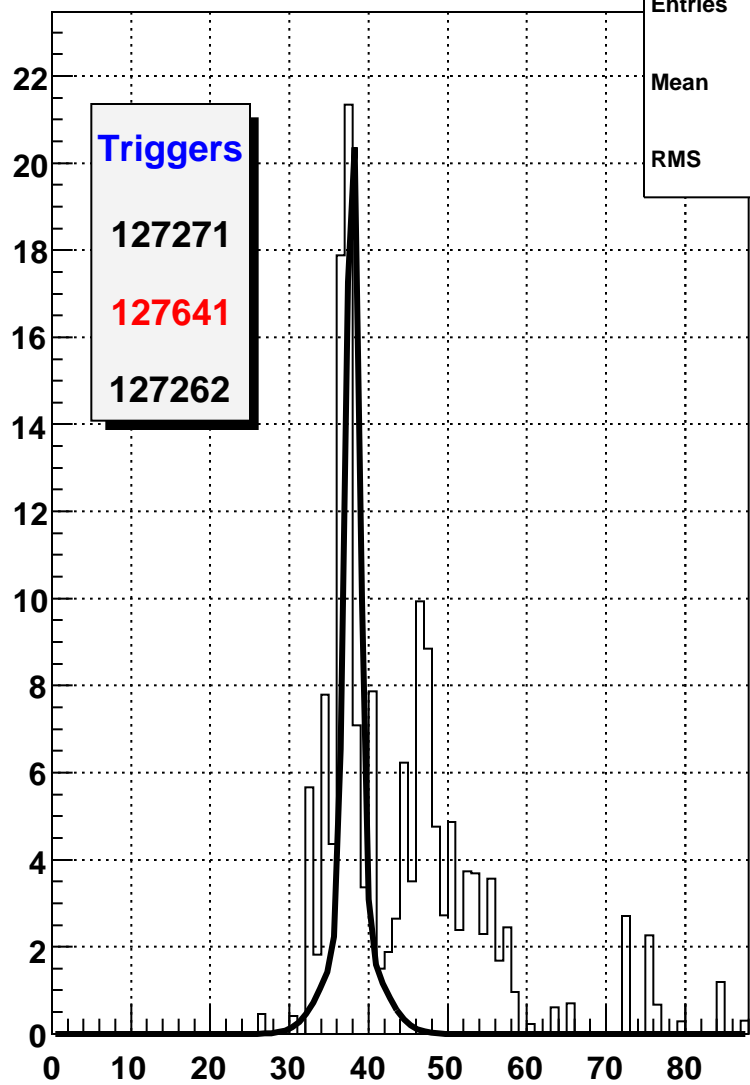
Entries	23
Mean	99.78
RMS	5.585



Run=7099047, Event=87055

**hSmdu**

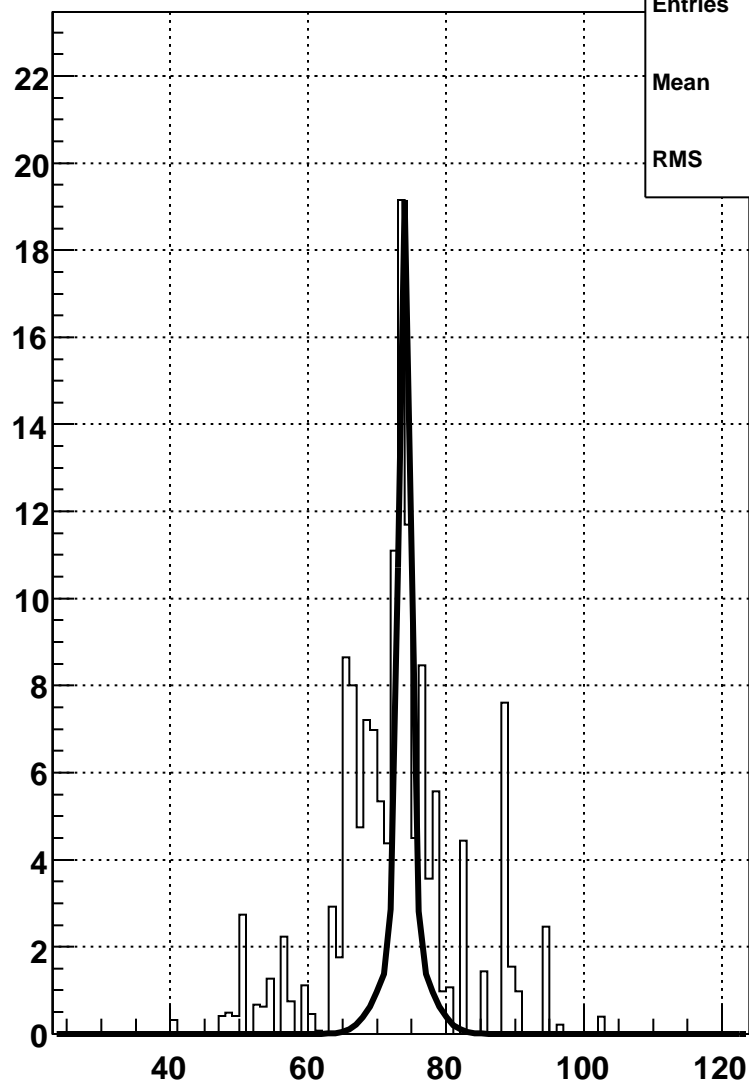
Entries	39
Mean	44.34
RMS	10.2



$p_T=6.7$  GeV,  $E=20.7$  GeV

**hSmdv**

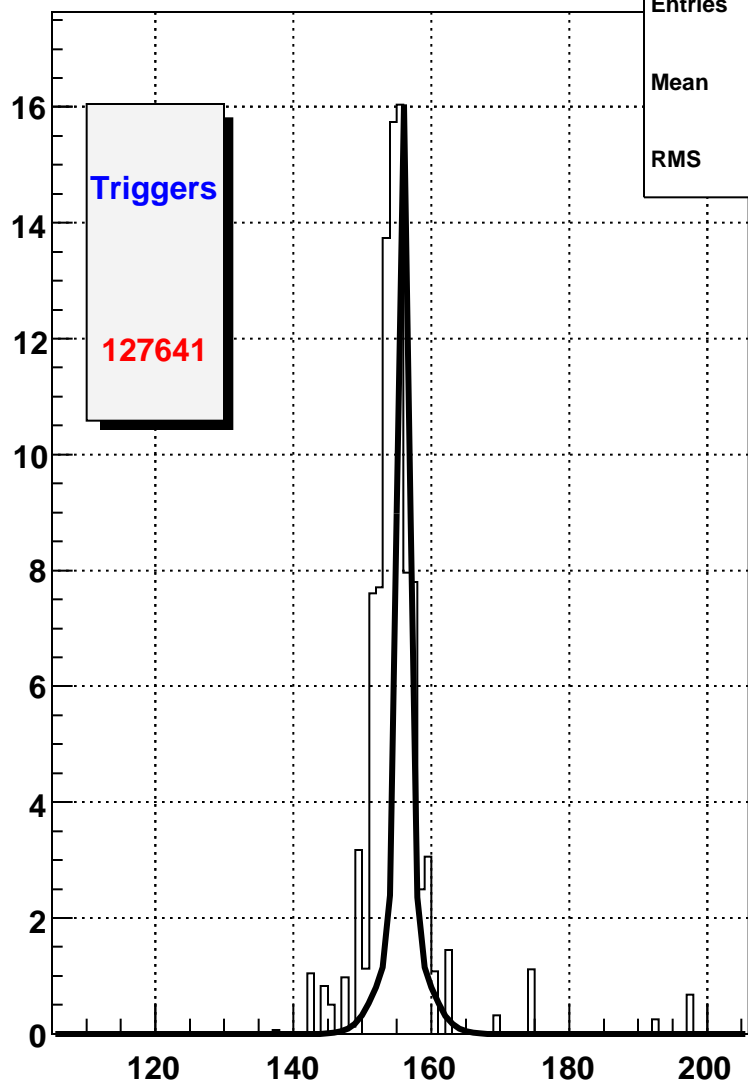
Entries	39
Mean	72.5
RMS	8.815



Run=7099047, Event=87334

**hSmdu**

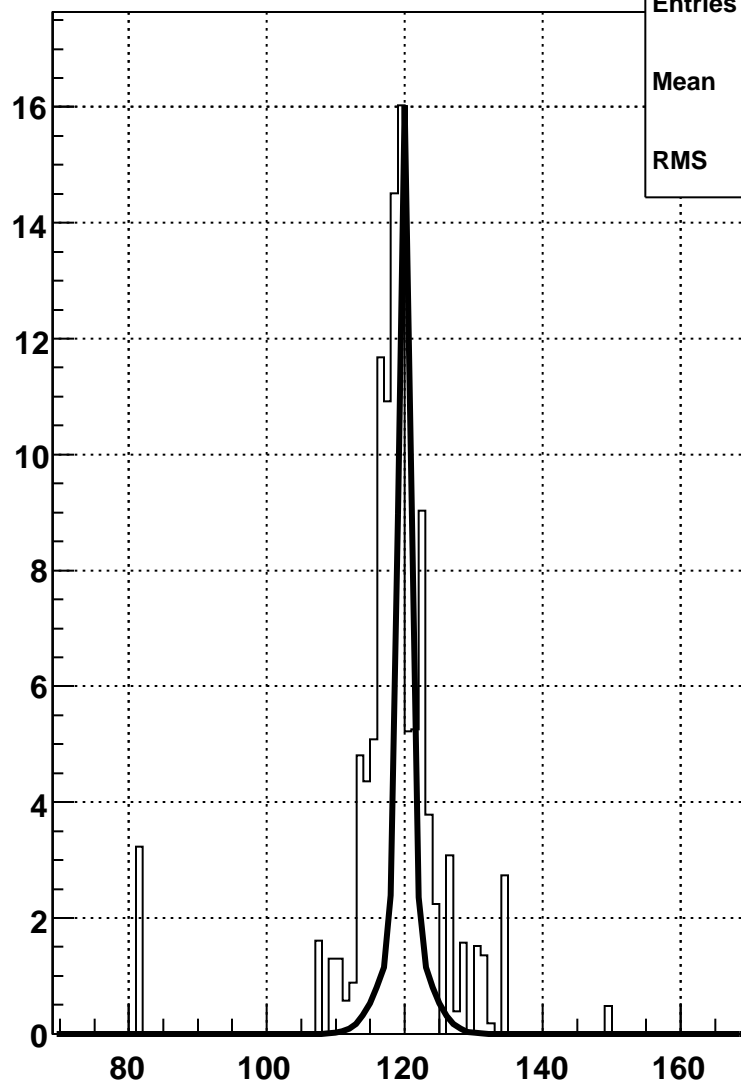
Entries	23
Mean	155.1
RMS	5.649



$p_T=5.5$  GeV,  $E=11.4$  GeV

**hSmdv**

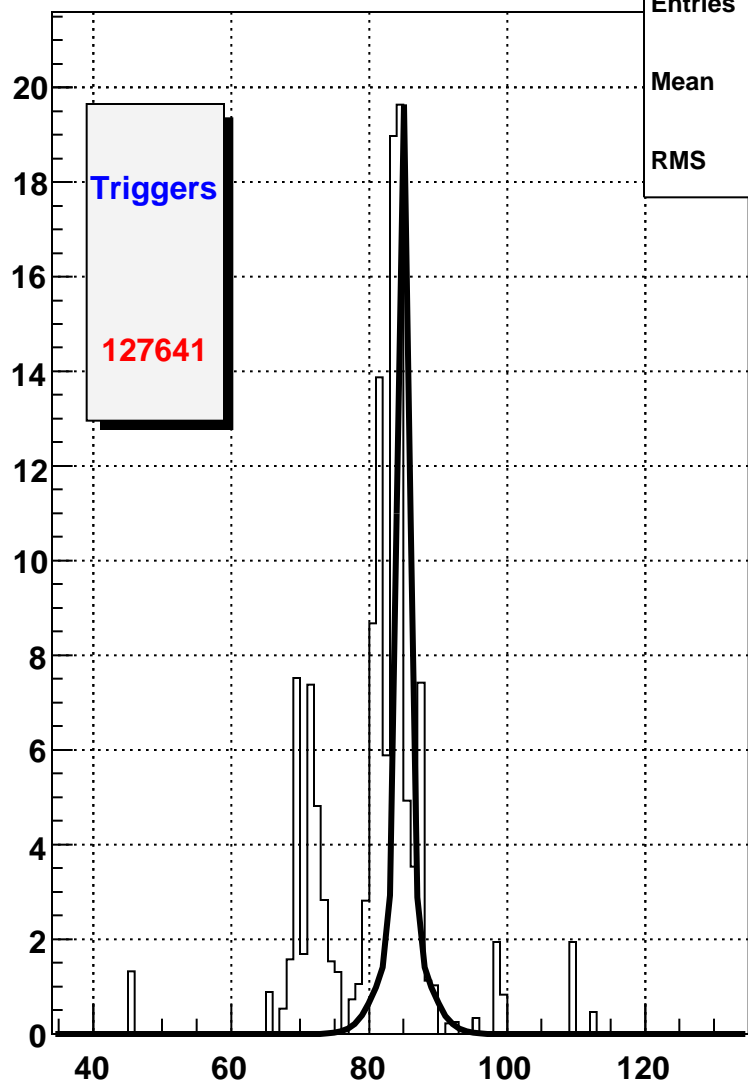
Entries	26
Mean	118.4
RMS	8.19



Run=7099047, Event=97182

**hSmdu**

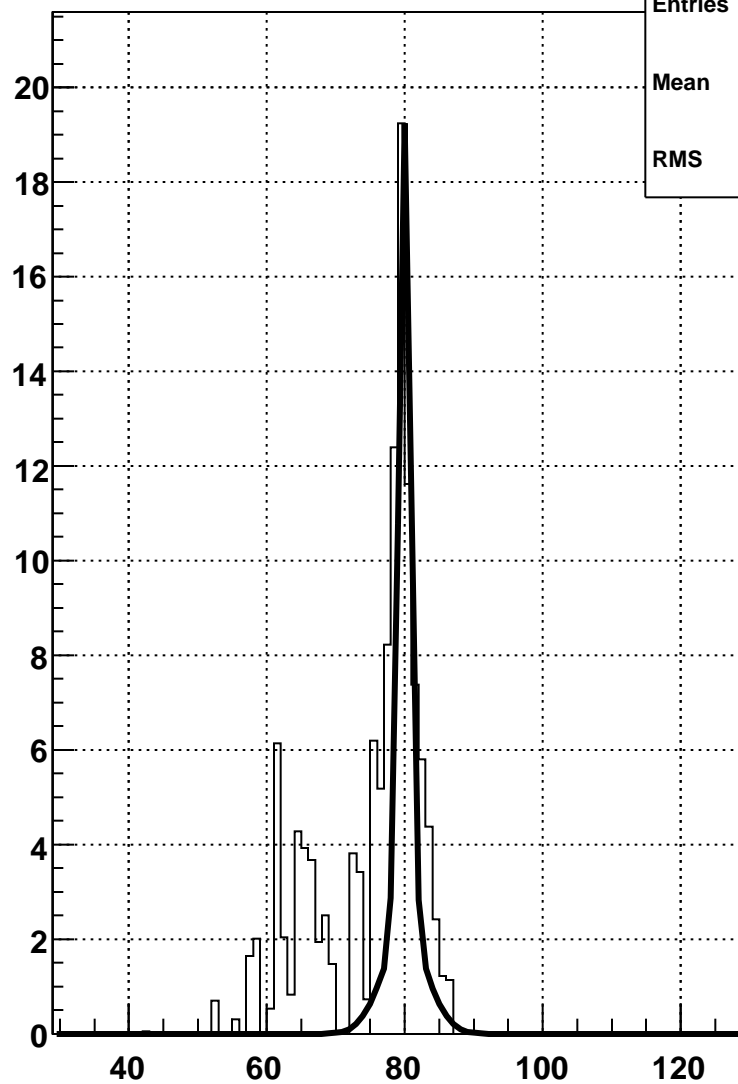
Entries	31
Mean	81.1
RMS	8.311



$p_T=5.3$  GeV,  $E=12.8$  GeV

**hSmdv**

Entries	30
Mean	75.19
RMS	7.497

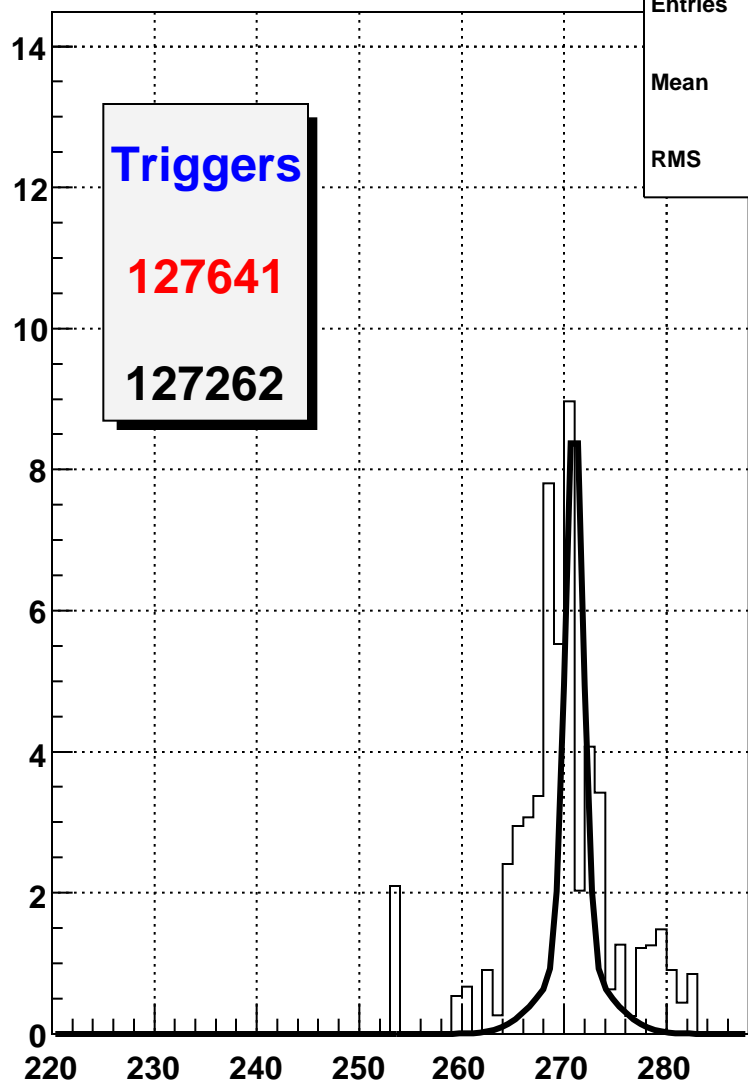




Run=7099047, Event=97449

**hSmdu**

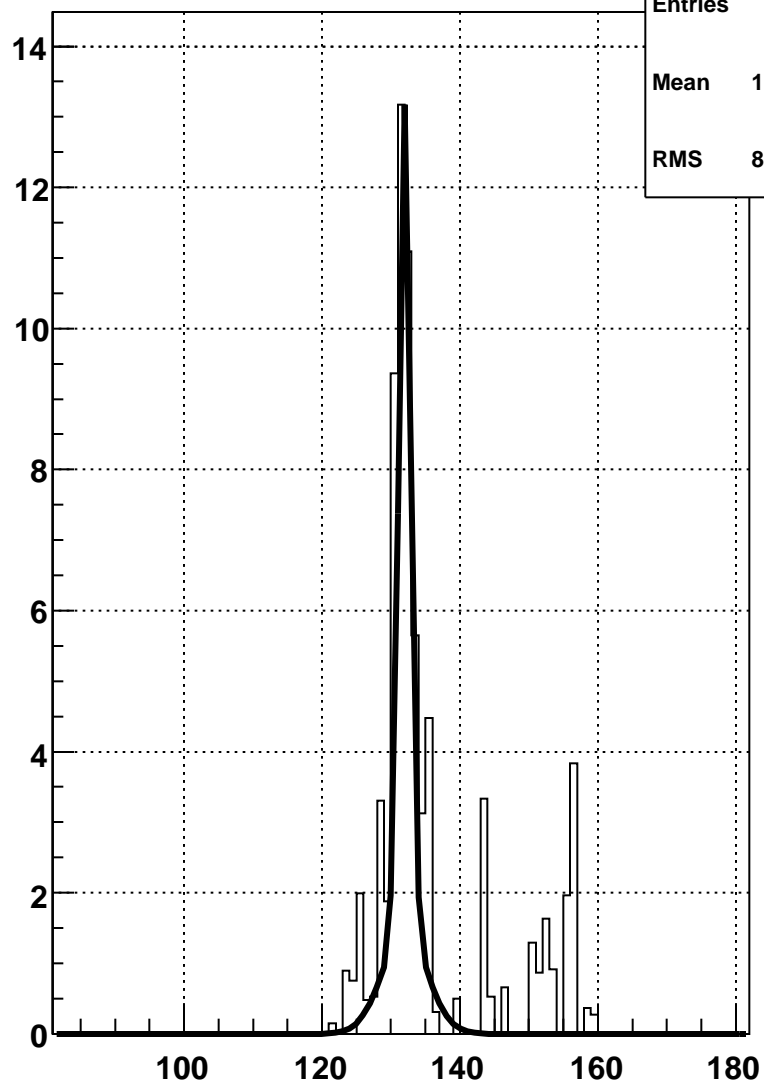
Entries	24
Mean	269.7
RMS	5.455



$p_T=5.1$  GeV,  $E=8.9$  GeV

**hSmdv**

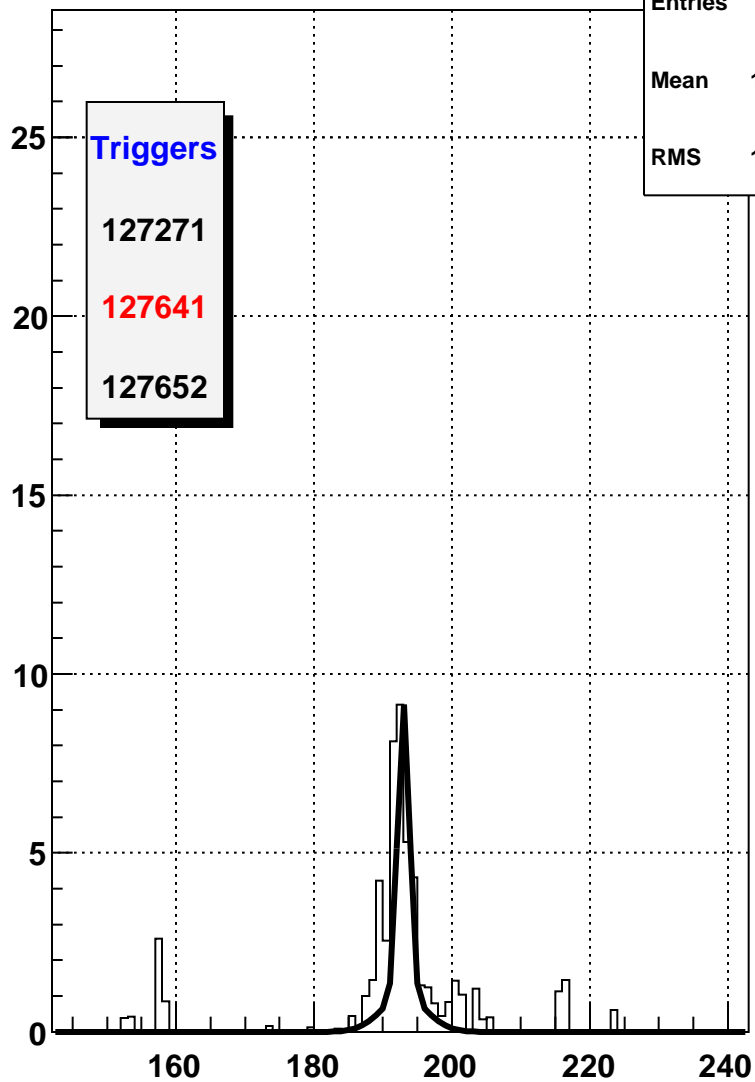
Entries	27
Mean	135.8
RMS	8.865



Run=7099047, Event=97666

**hSmdu**

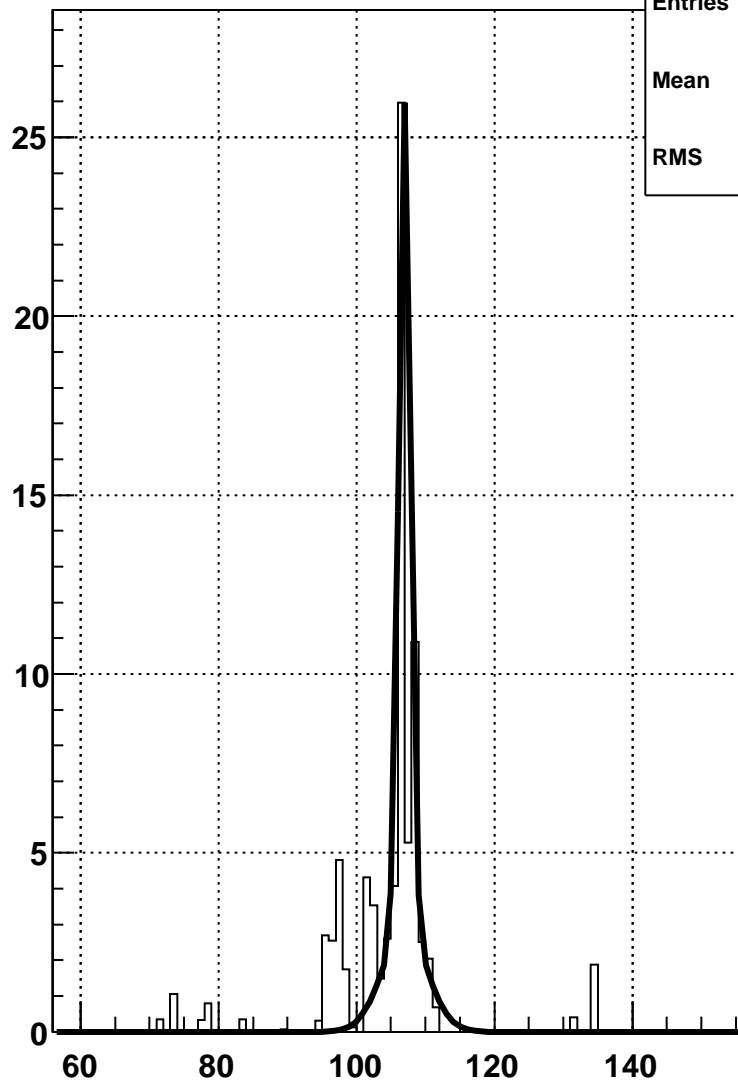
Entries	45
Mean	191.8
RMS	12.39



$p_T=5.8$  GeV,  $E=10.1$  GeV

**hSmdv**

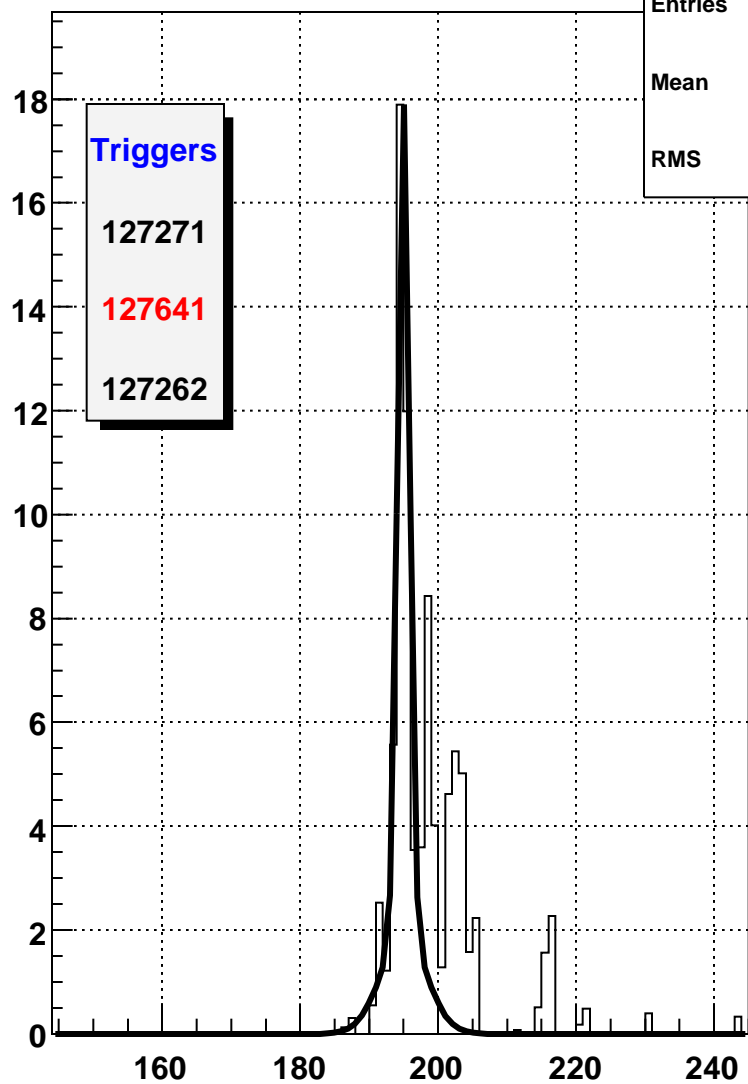
Entries	35
Mean	104.7
RMS	8.317



Run=7099047, Event=98163

**hSmdu**

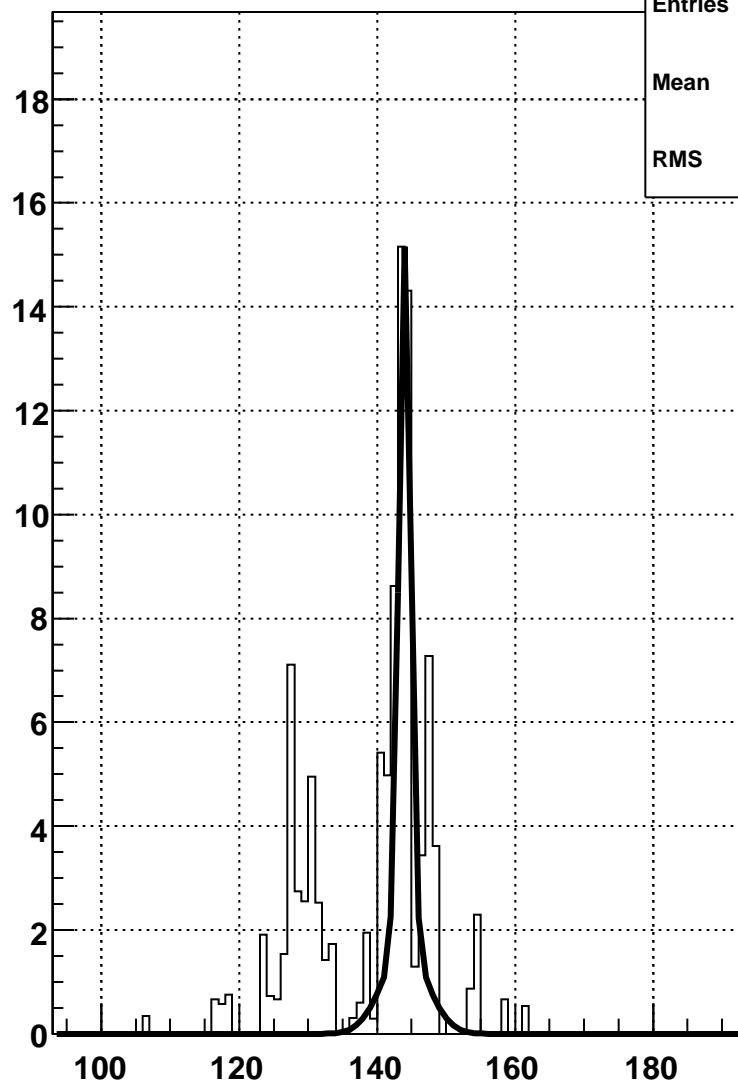
Entries	26
Mean	198.9
RMS	6.815



$p_T=6.5$  GeV,  $E=12.4$  GeV

**hSmdv**

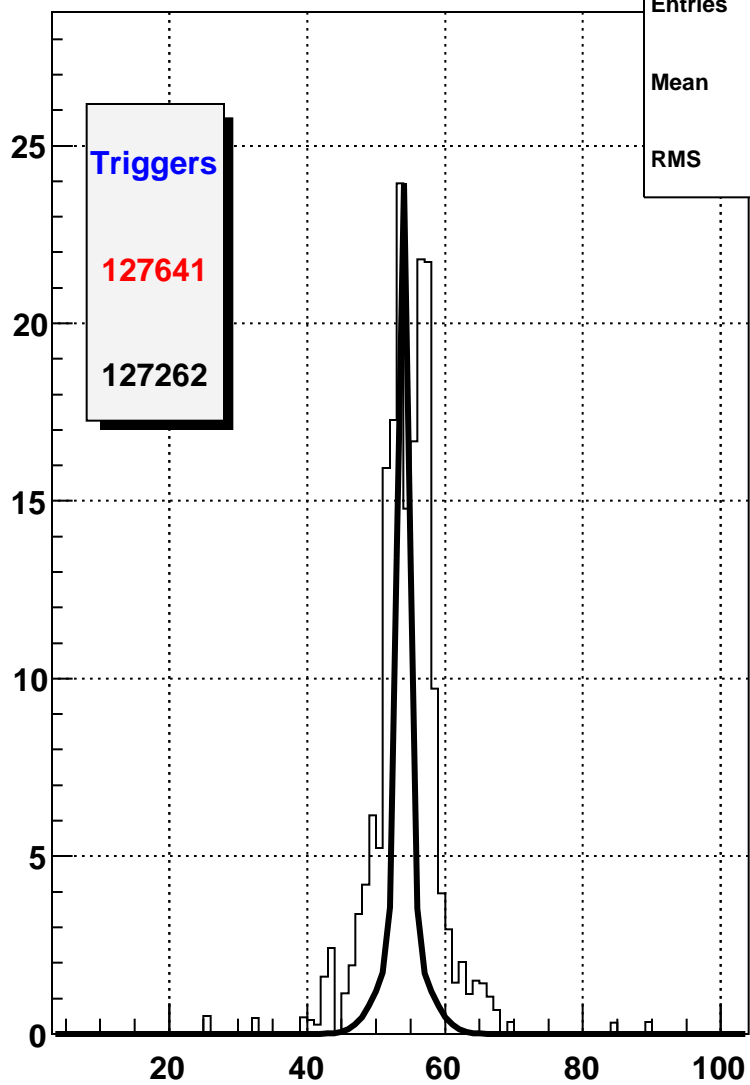
Entries	32
Mean	139.6
RMS	8.618



Run=7099047, Event=99258

**hSmdu**

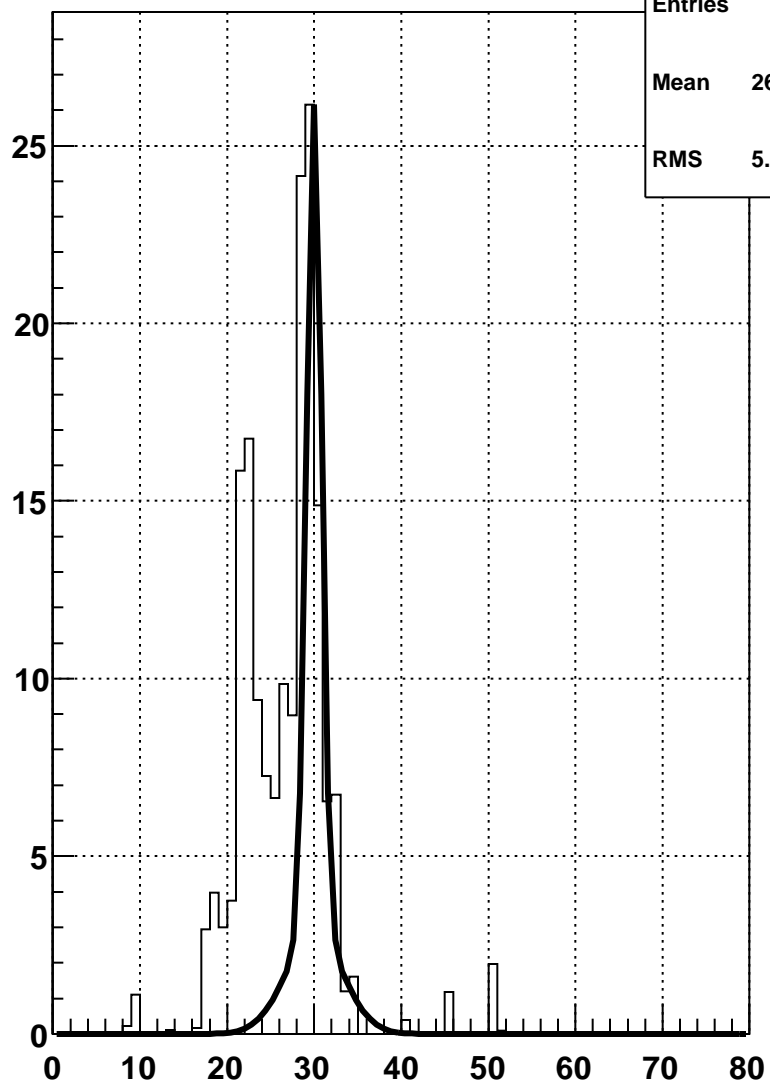
Entries	33
Mean	54.49
RMS	5.006



$p_T=5.0$  GeV,  $E=17.8$  GeV

**hSmdv**

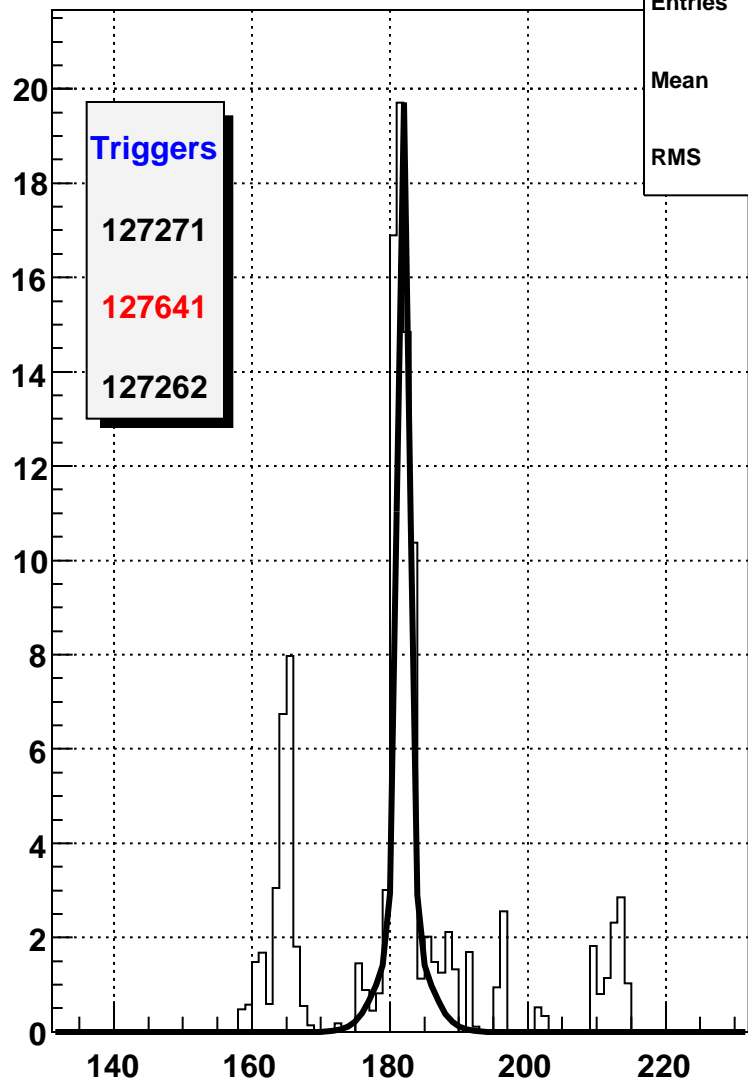
Entries	26
Mean	26.75
RMS	5.245



Run=7099047, Event=99916

**hSmdu**

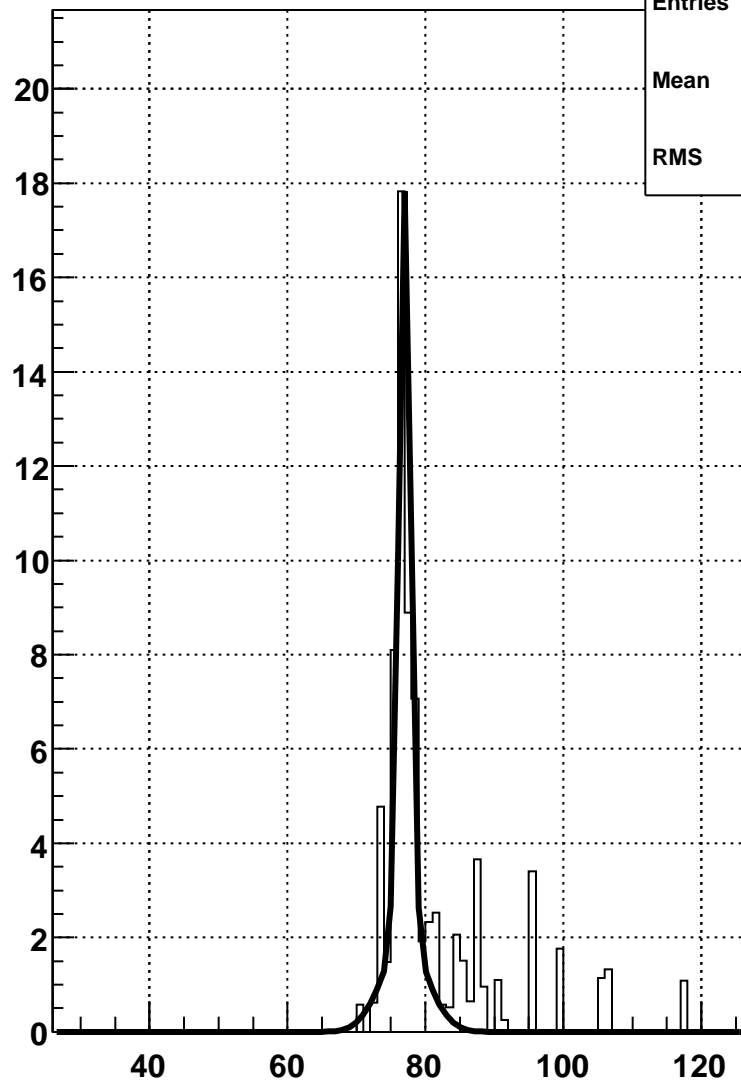
Entries	40
Mean	181.5
RMS	12.56



$p_T=6.5$  GeV,  $E=16.0$  GeV

**hSmdv**

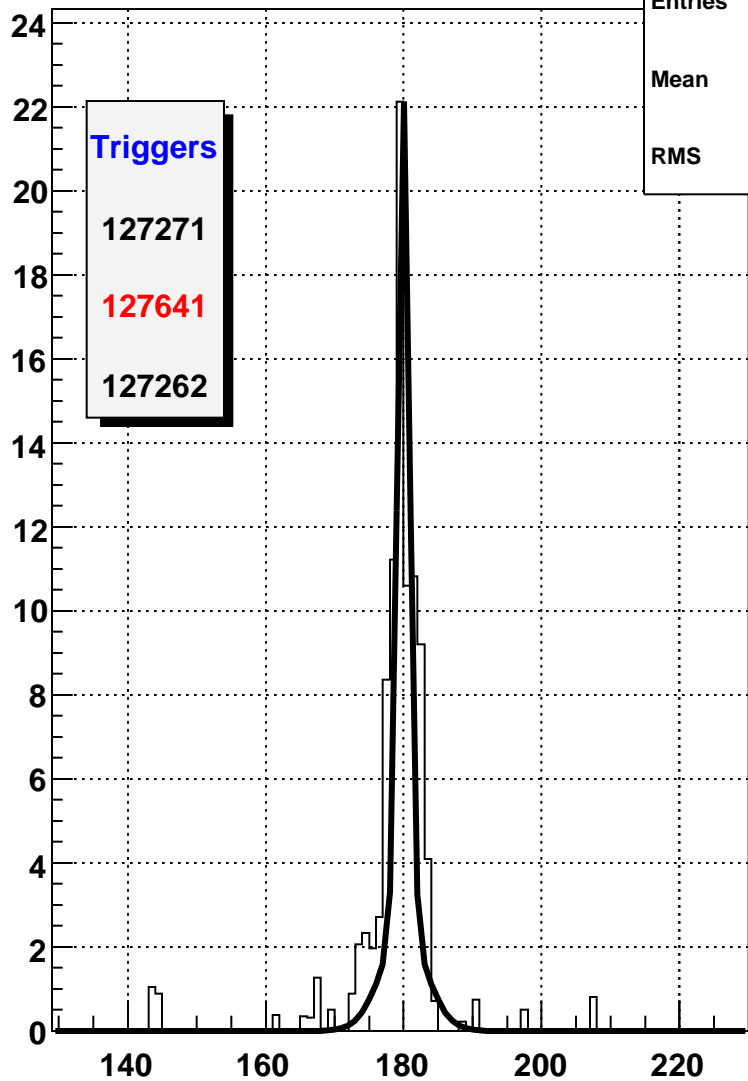
Entries	41
Mean	81.19
RMS	8.83



Run=7099047, Event=100175

**hSmdu**

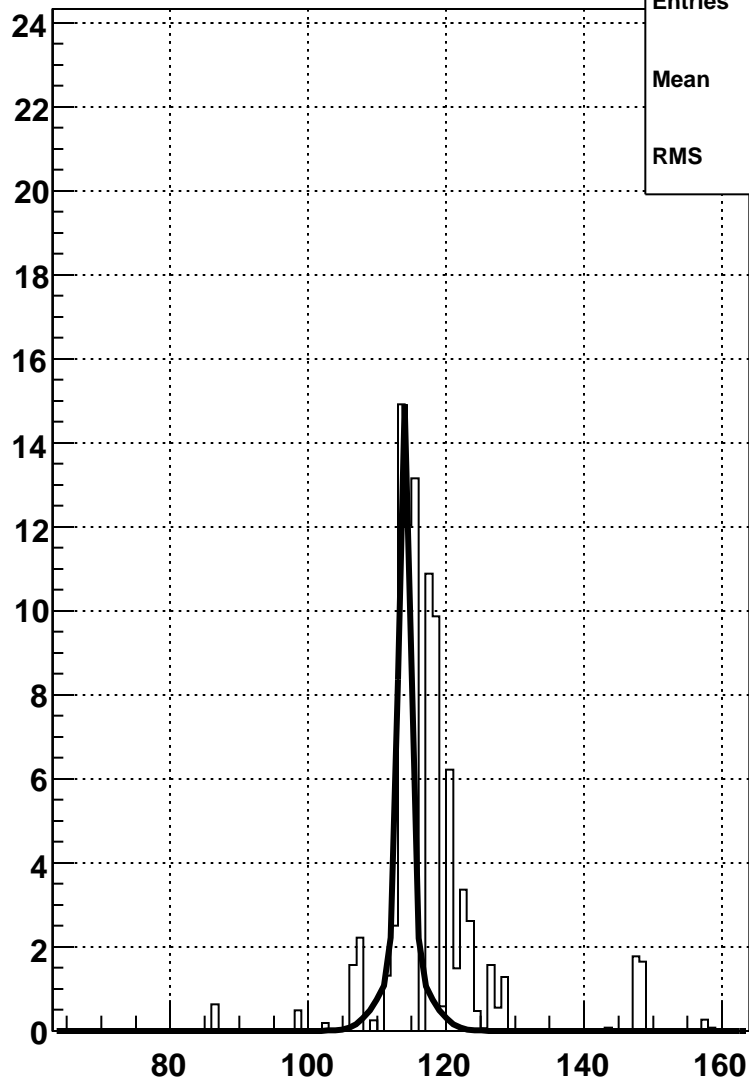
Entries	25
Mean	178.9
RMS	6.763



$p_T=5.7$  GeV,  $E=12.2$  GeV

**hSmdv**

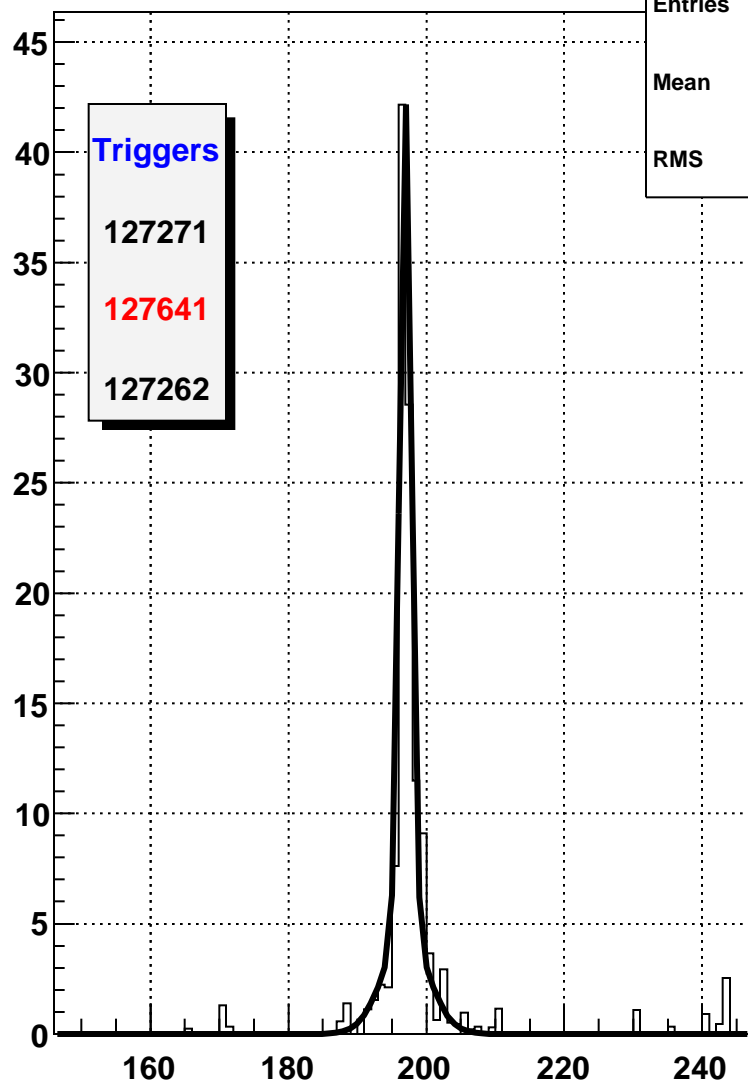
Entries	28
Mean	117.6
RMS	8.204



Run=7099047, Event=100214

**hSmdu**

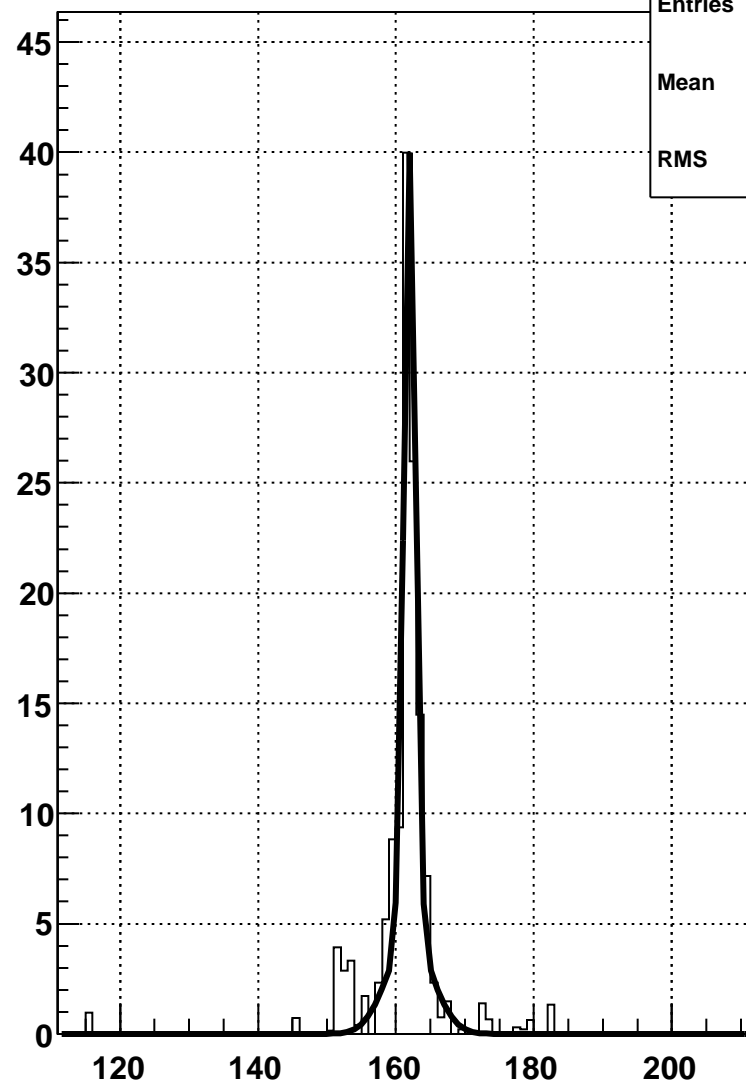
Entries	31
Mean	198.8
RMS	9.705



$p_T=5.4$  GeV,  $E=12.0$  GeV

**hSmdv**

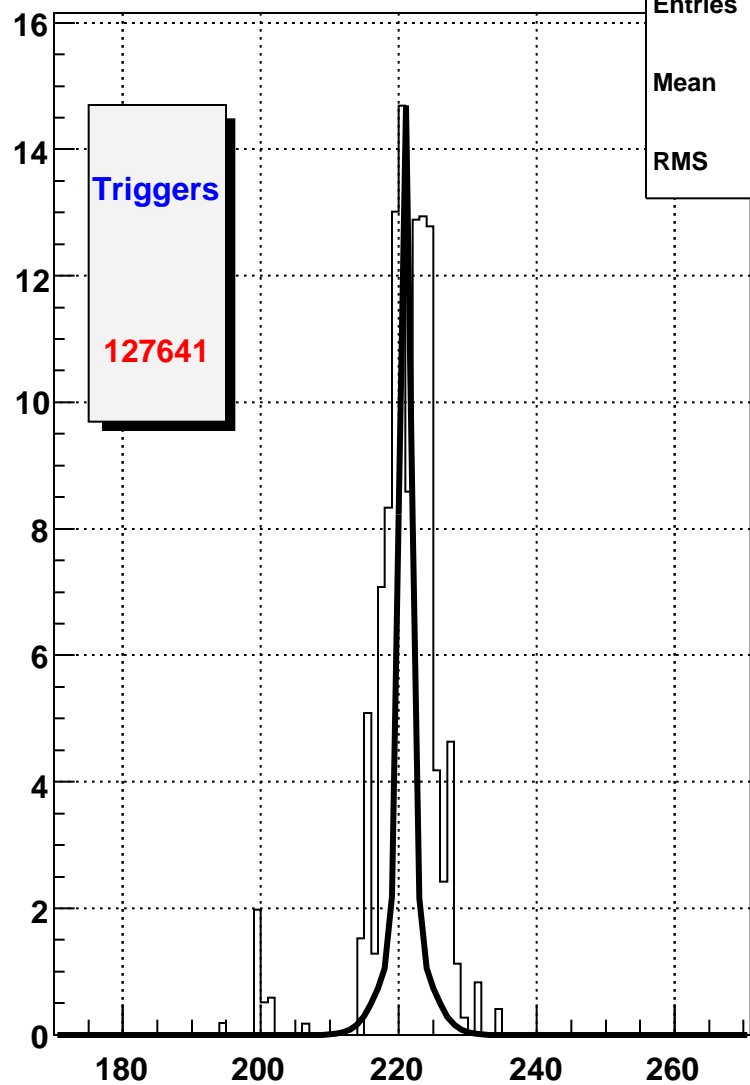
Entries	28
Mean	161.2
RMS	5.867



Run=7099047, Event=100792

**hSmdu**

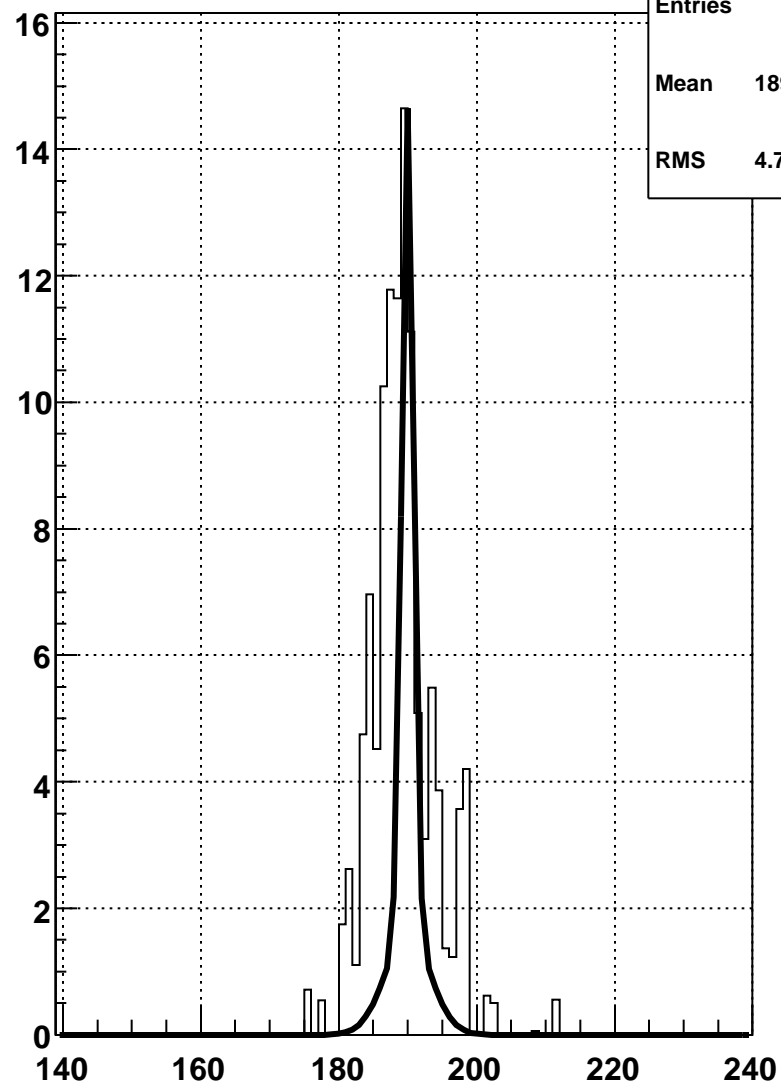
Entries	23
Mean	221
RMS	4.93



$p_T=5.5$  GeV,  $E=10.3$  GeV

**hSmdv**

Entries	25
Mean	189.3
RMS	4.756

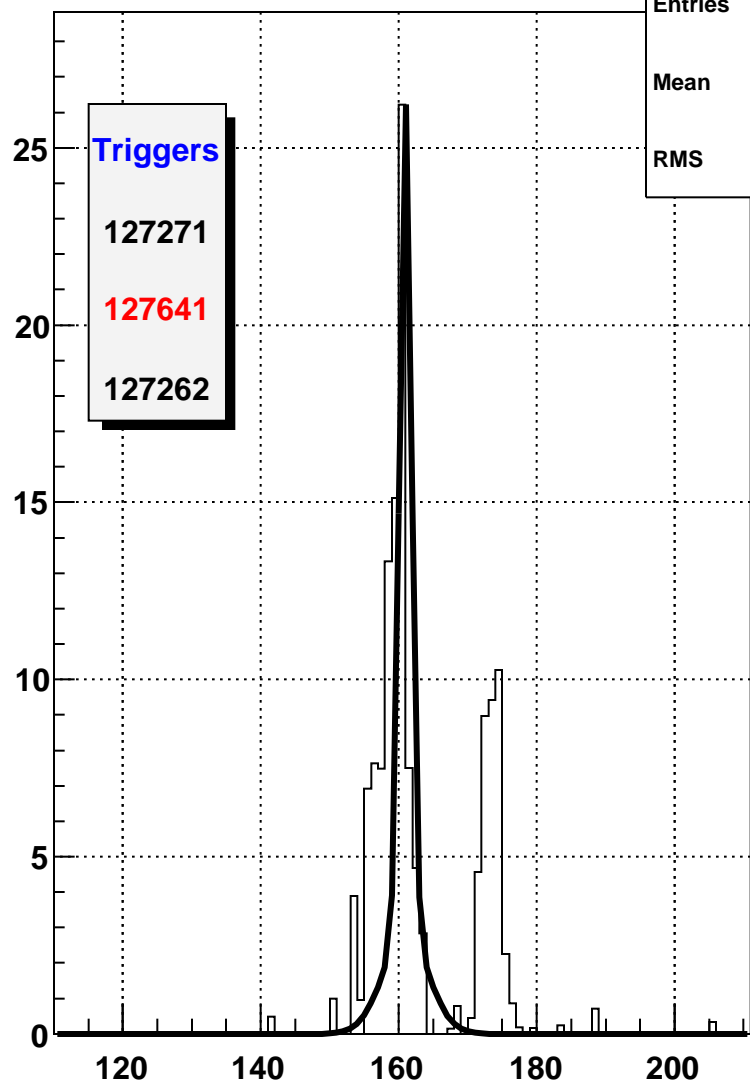




Run=7099047, Event=101653

**hSmdu**

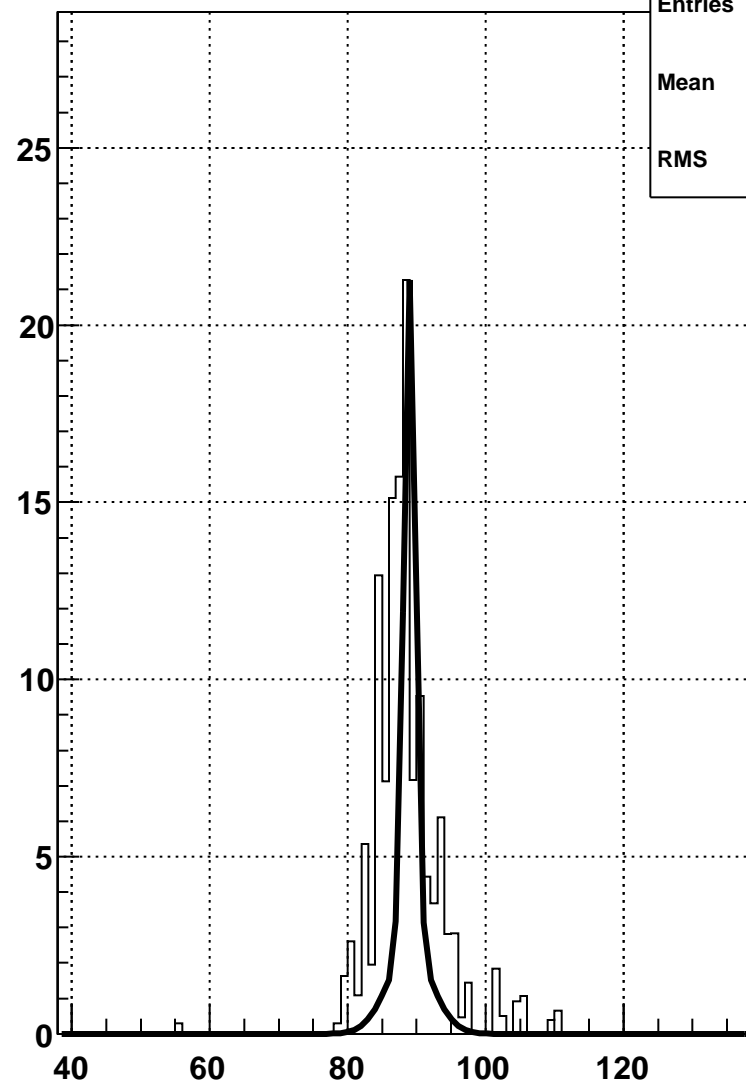
Entries	27
Mean	163.2
RMS	7.496



$p_T=6.7$  GeV,  $E=15.2$  GeV

**hSmdv**

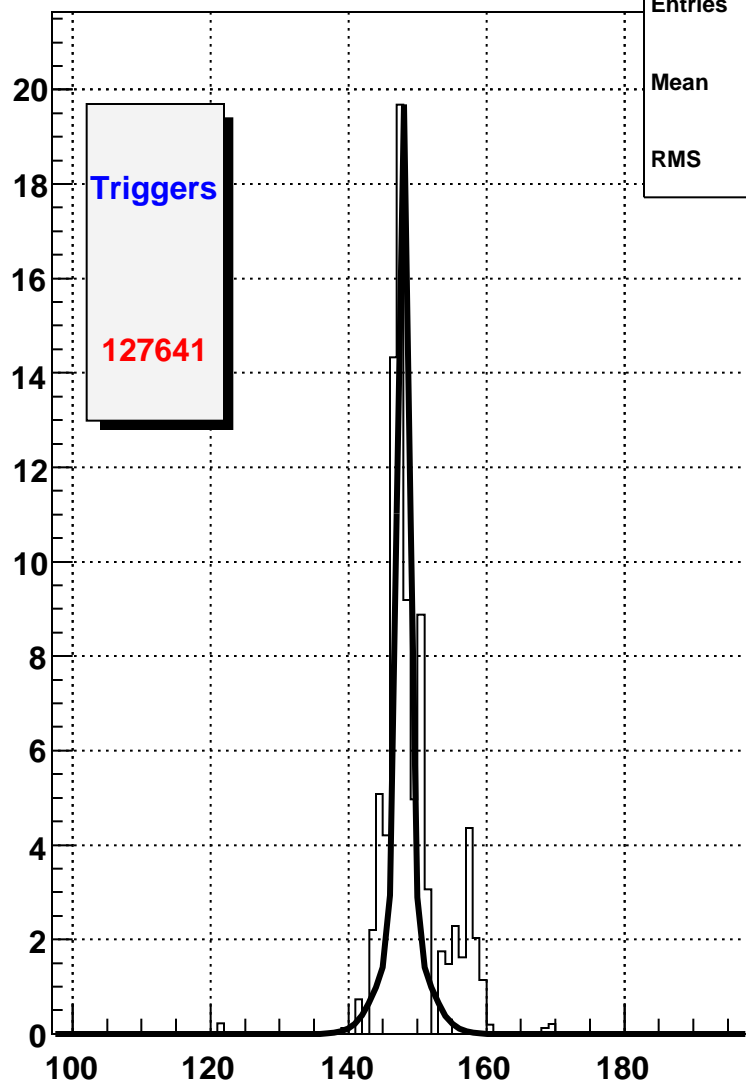
Entries	27
Mean	88.56
RMS	5.151



Run=7099047, Event=102596

**hSmdu**

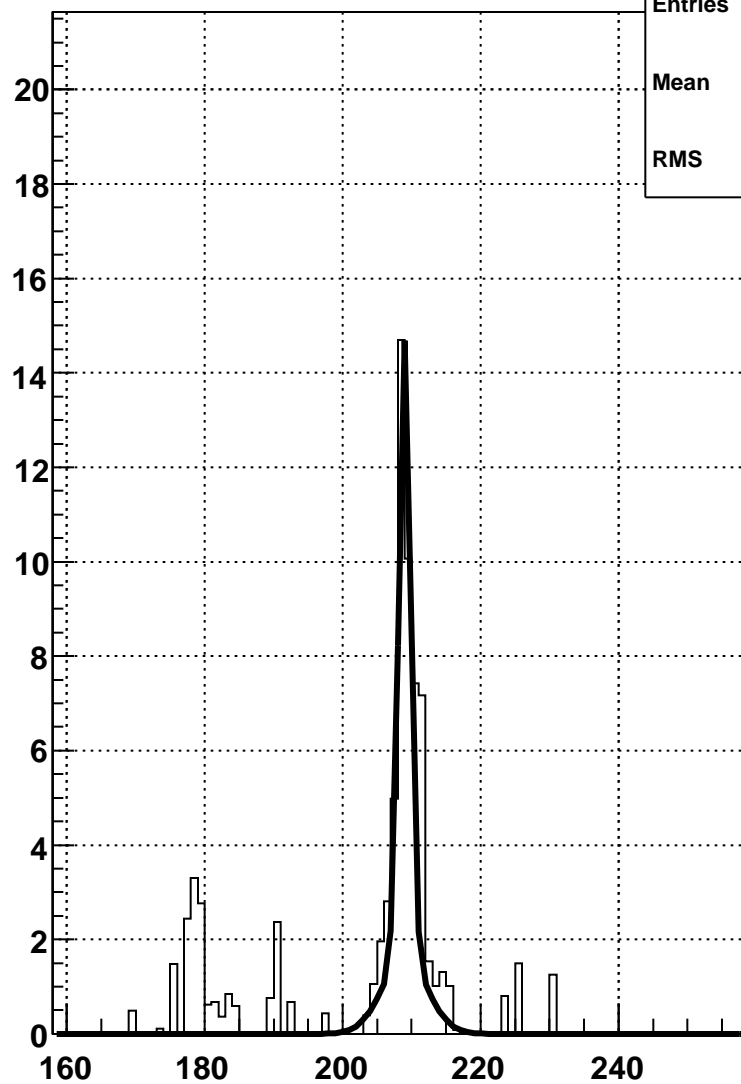
Entries	22
Mean	149.1
RMS	4.357



$p_T=5.6$  GeV,  $E=10.8$  GeV

**hSmdv**

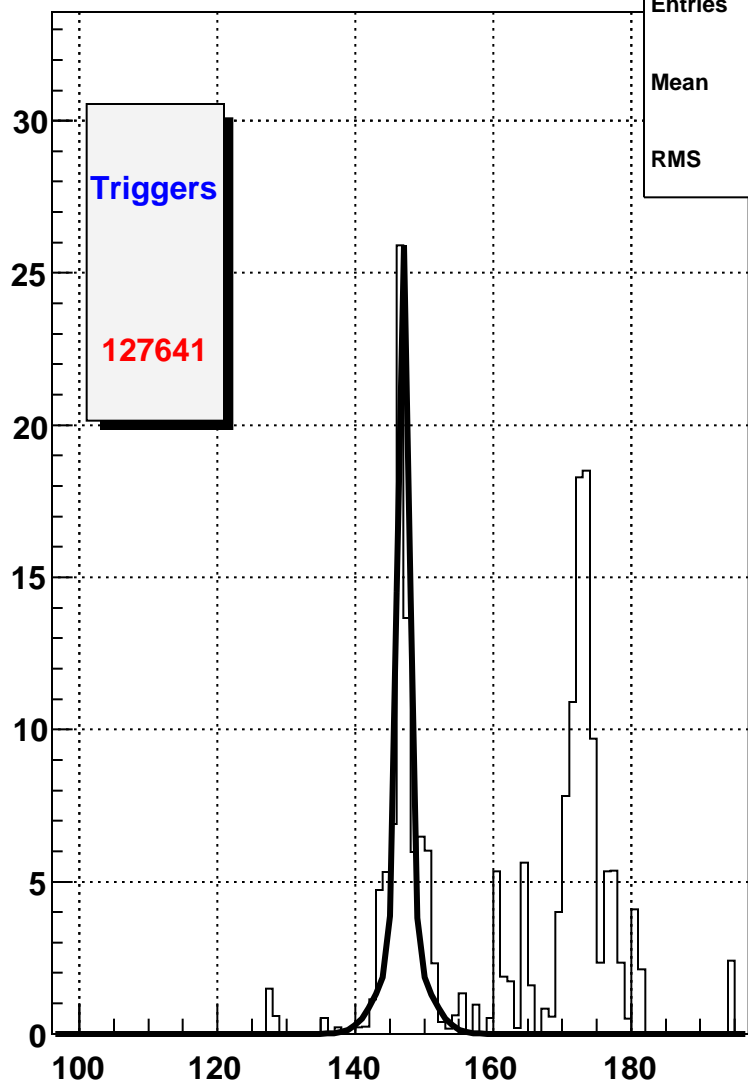
Entries	32
Mean	203.8
RMS	13.15



Run=7099047, Event=103887

**hSmdu**

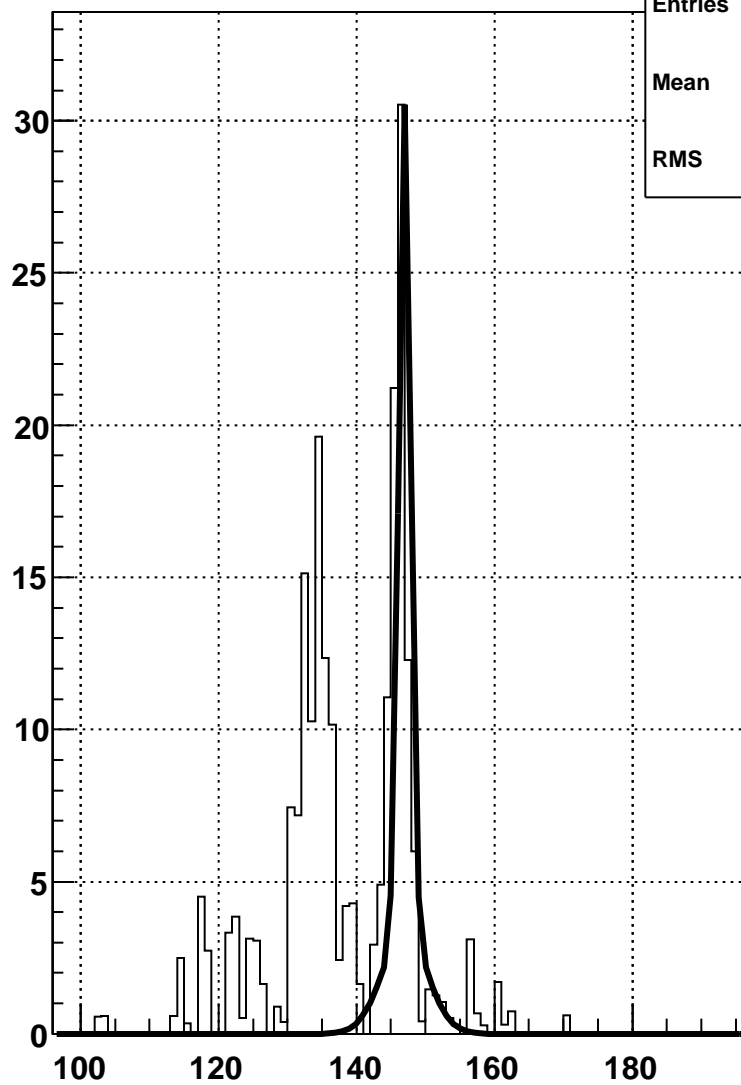
Entries	47
Mean	161.4
RMS	13.75



$p_T=9.9$  GeV,  $E=20.6$  GeV

**hSmdv**

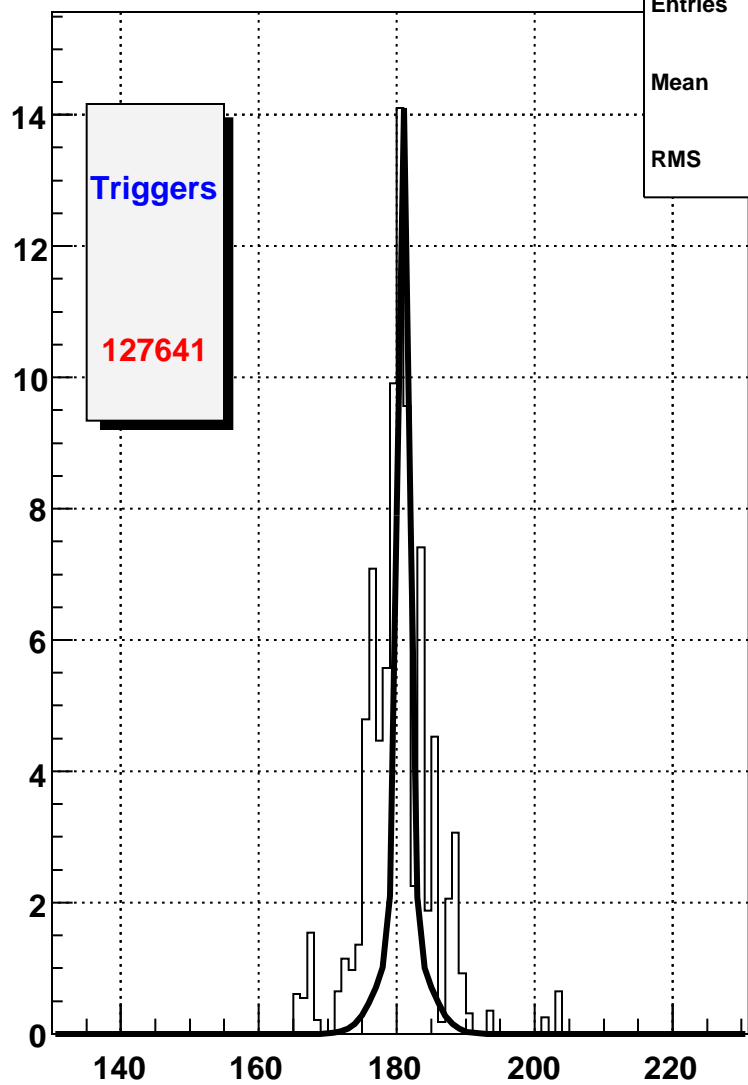
Entries	46
Mean	138.5
RMS	9.804



Run=7099047, Event=104066

**hSmdu**

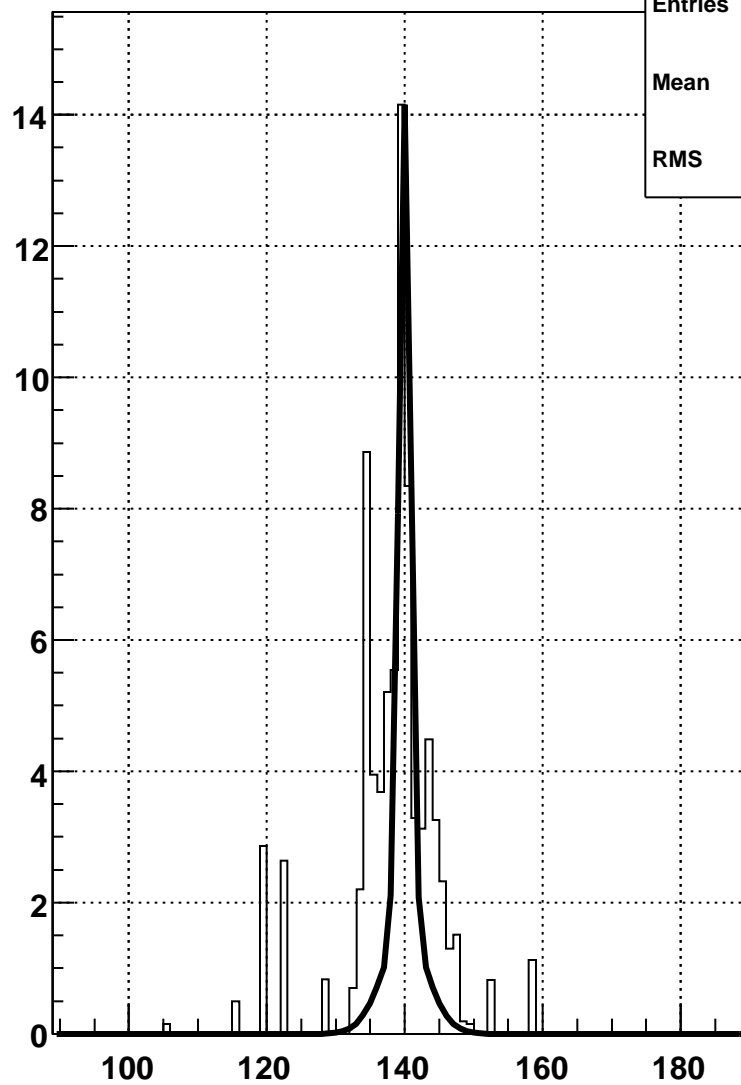
Entries	27
Mean	180.3
RMS	5.065



$p_T=5.1$  GeV,  $E=8.7$  GeV

**hSmdv**

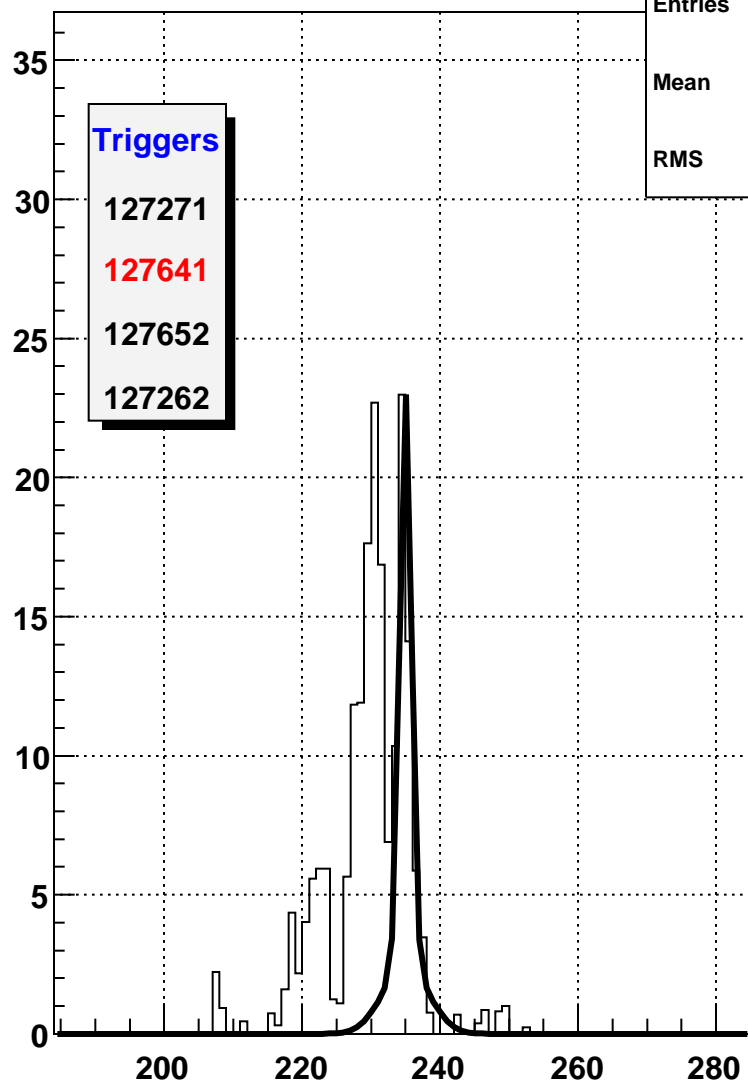
Entries	25
Mean	138.2
RMS	6.848



Run=7099047, Event=104548

**hSmdu**

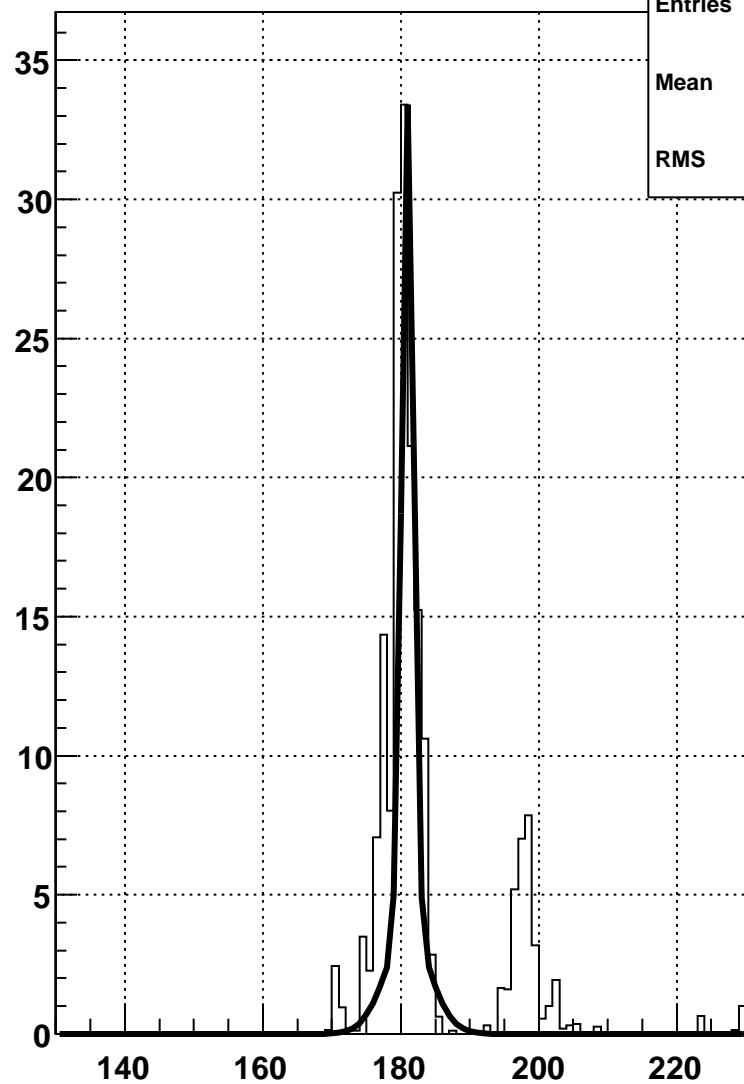
Entries	34
Mean	229.8
RMS	6.241



$p_T=7.1$  GeV,  $E=12.5$  GeV

**hSmdv**

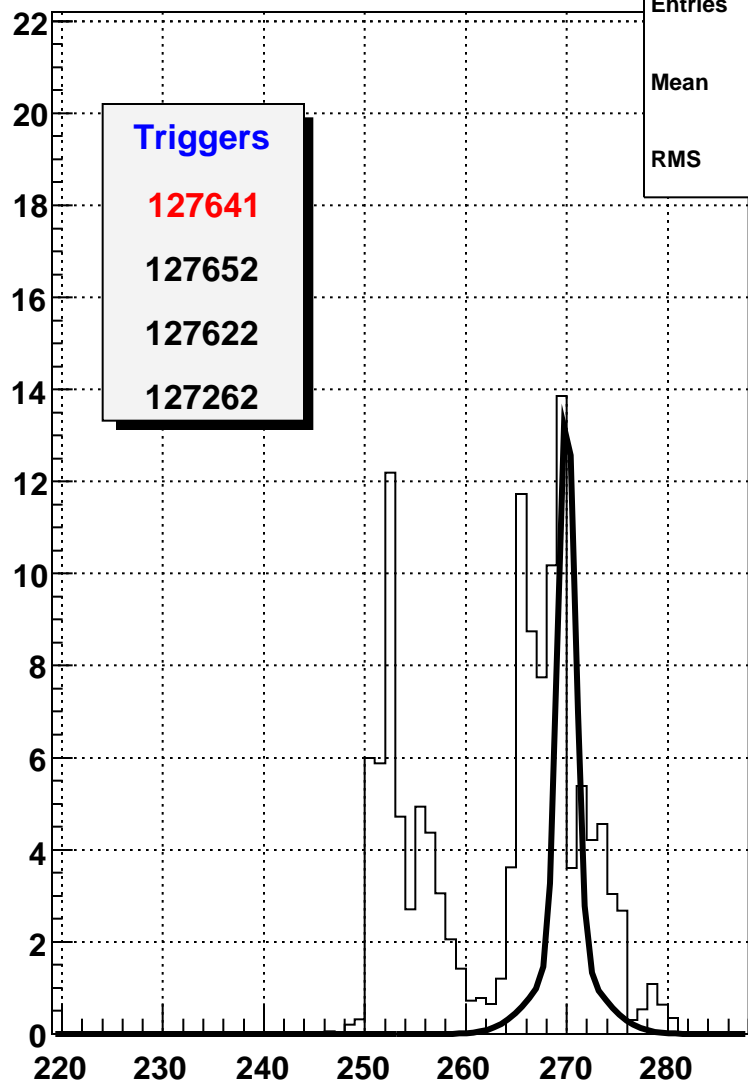
Entries	35
Mean	183.5
RMS	8.484



Run=7099047, Event=92302

**hSmdu**

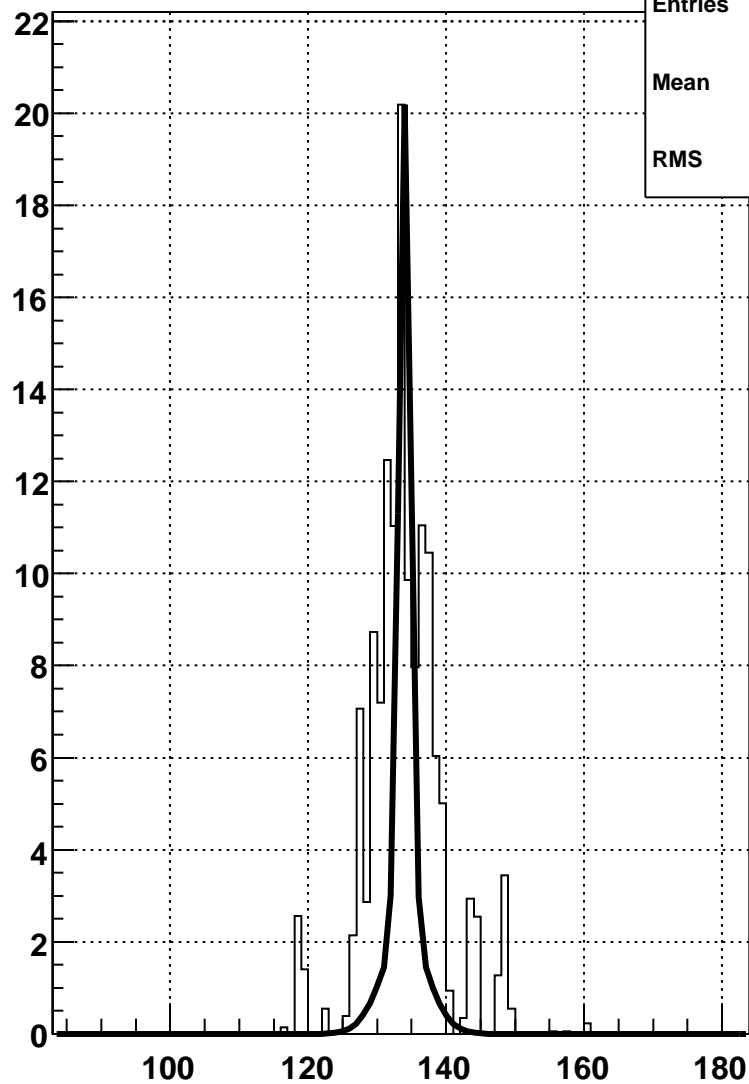
Entries	34
Mean	263.6
RMS	8.033



$p_T=6.9$  GeV,  $E=11.0$  GeV

**hSmdv**

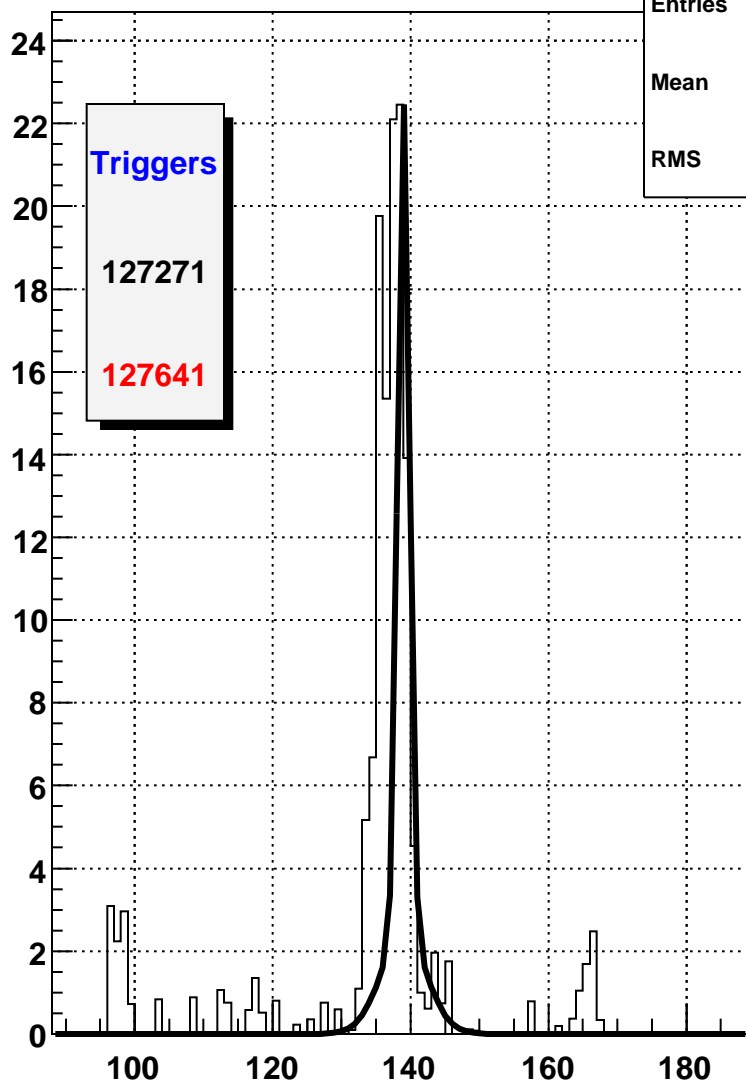
Entries	29
Mean	134.1
RMS	5.579



Run=7099047, Event=93472

**hSmdu**

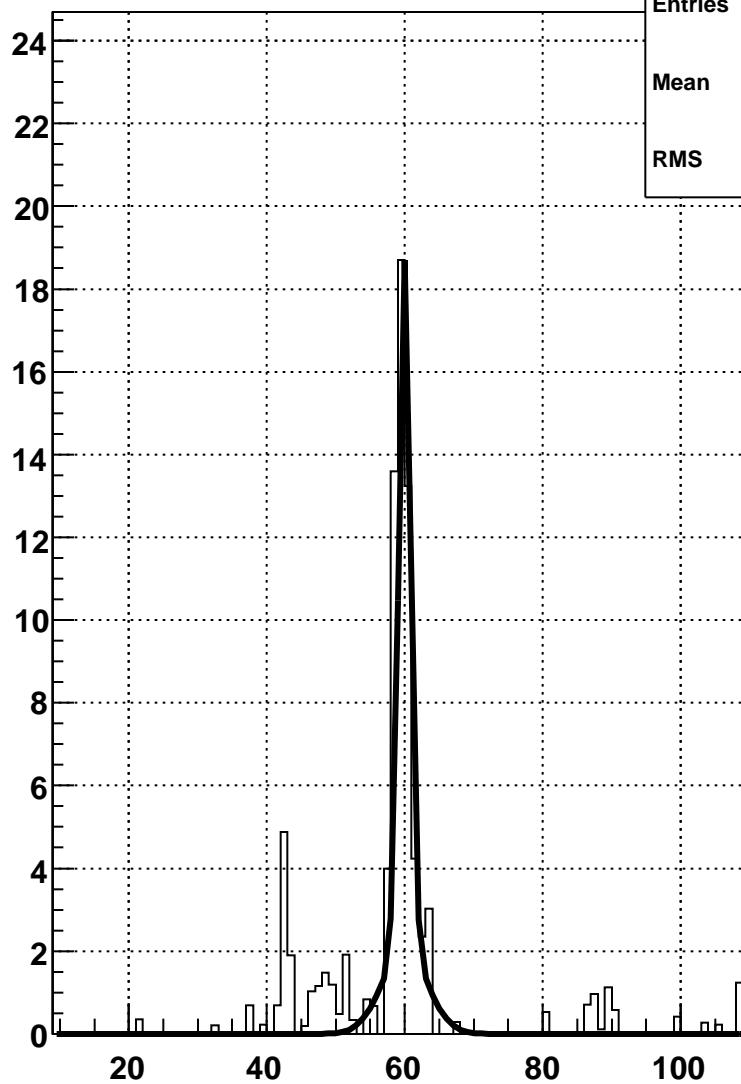
Entries	56
Mean	135
RMS	12.86



$p_T=5.9$  GeV,  $E=16.8$  GeV

**hSmdv**

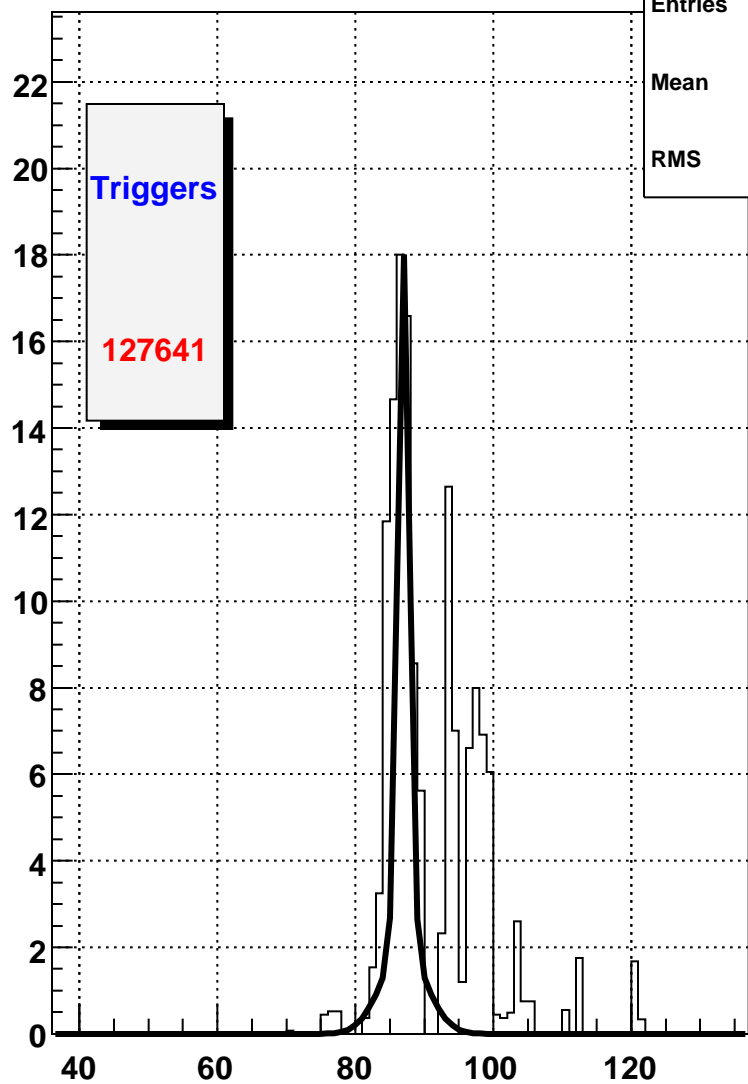
Entries	54
Mean	59.29
RMS	11.98



Run=7099047, Event=94018

**hSmdu**

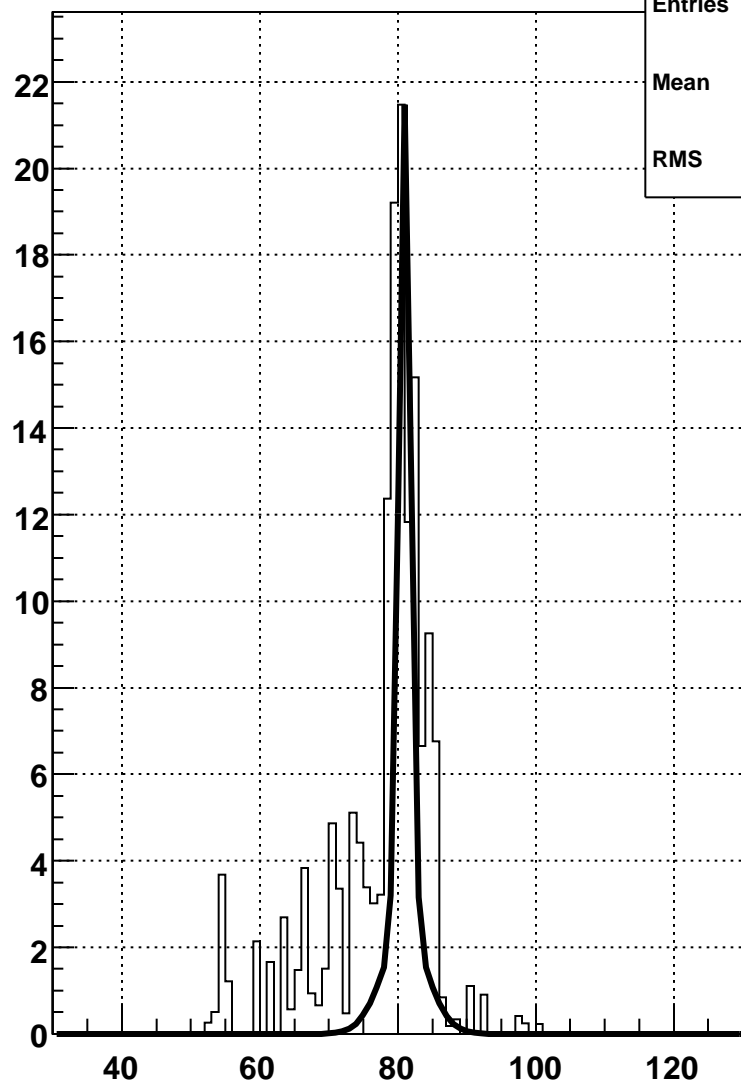
Entries	37
Mean	91.29
RMS	7.226



$p_T=5.3$  GeV,  $E=17.1$  GeV

**hSmdv**

Entries	37
Mean	77.68
RMS	7.615

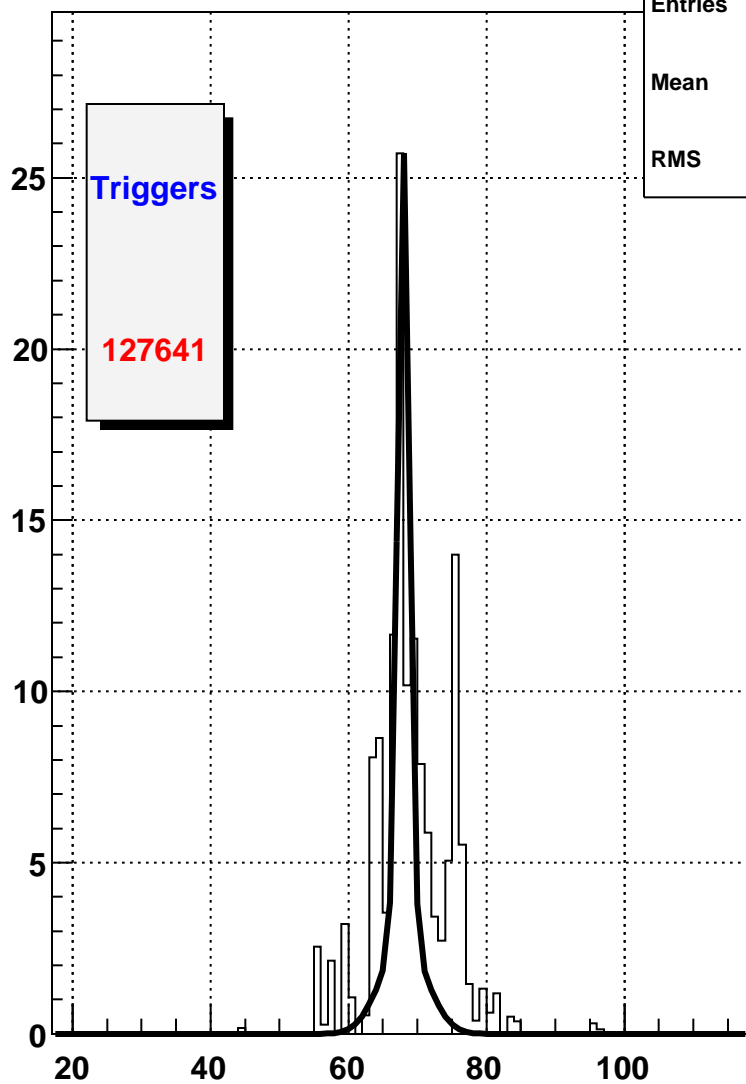




Run=7099047, Event=94428

**hSmdu**

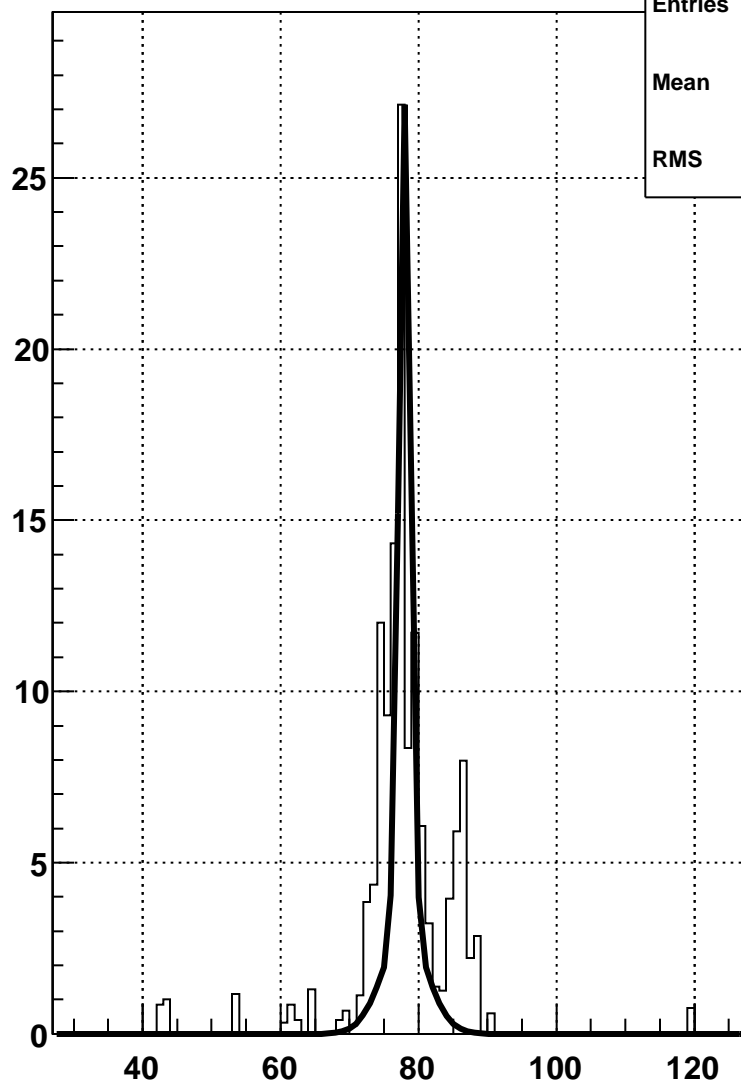
Entries	30
Mean	69.11
RMS	5.443



$p_T=5.4$  GeV,  $E=15.9$  GeV

**hSmdv**

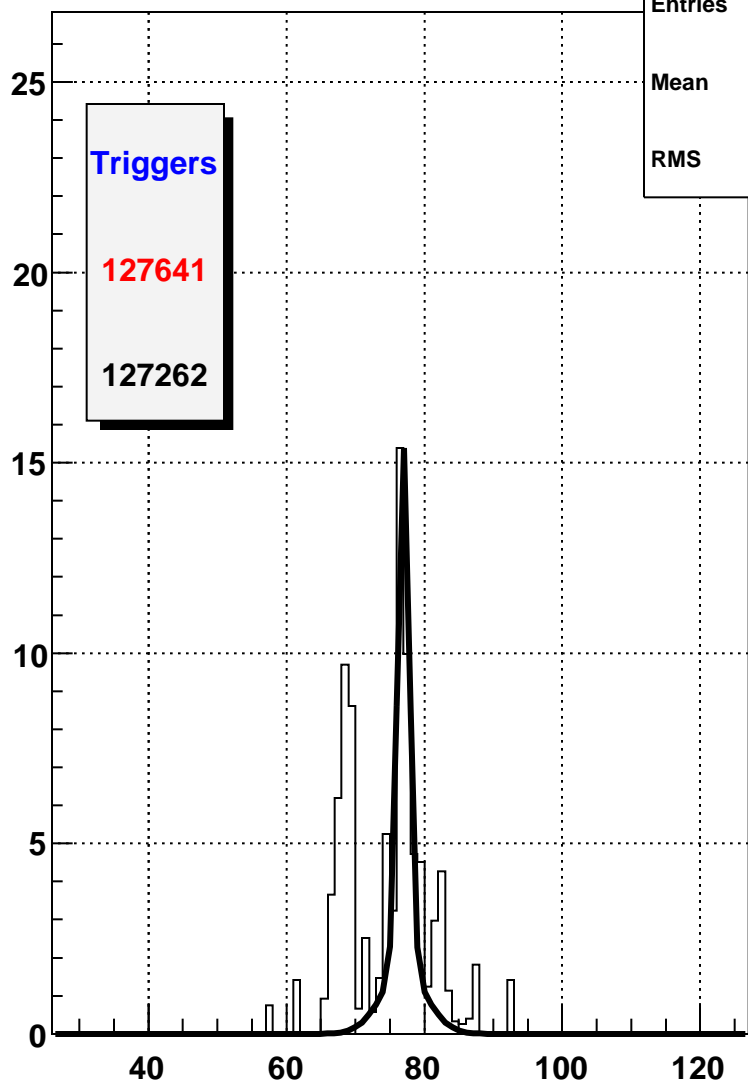
Entries	30
Mean	77.94
RMS	7.393



Run=7099047, Event=94774

**hSmdu**

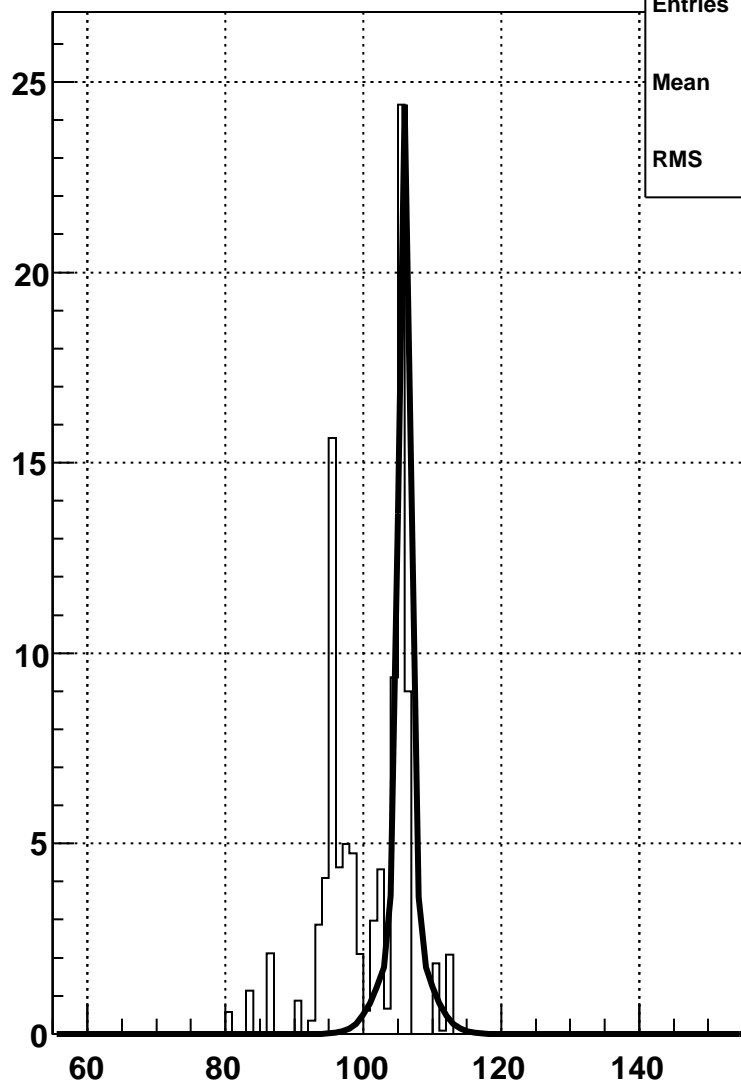
Entries	26
Mean	74.63
RMS	6.085



$p_T=5.4$  GeV,  $E=15.4$  GeV

**hSmdv**

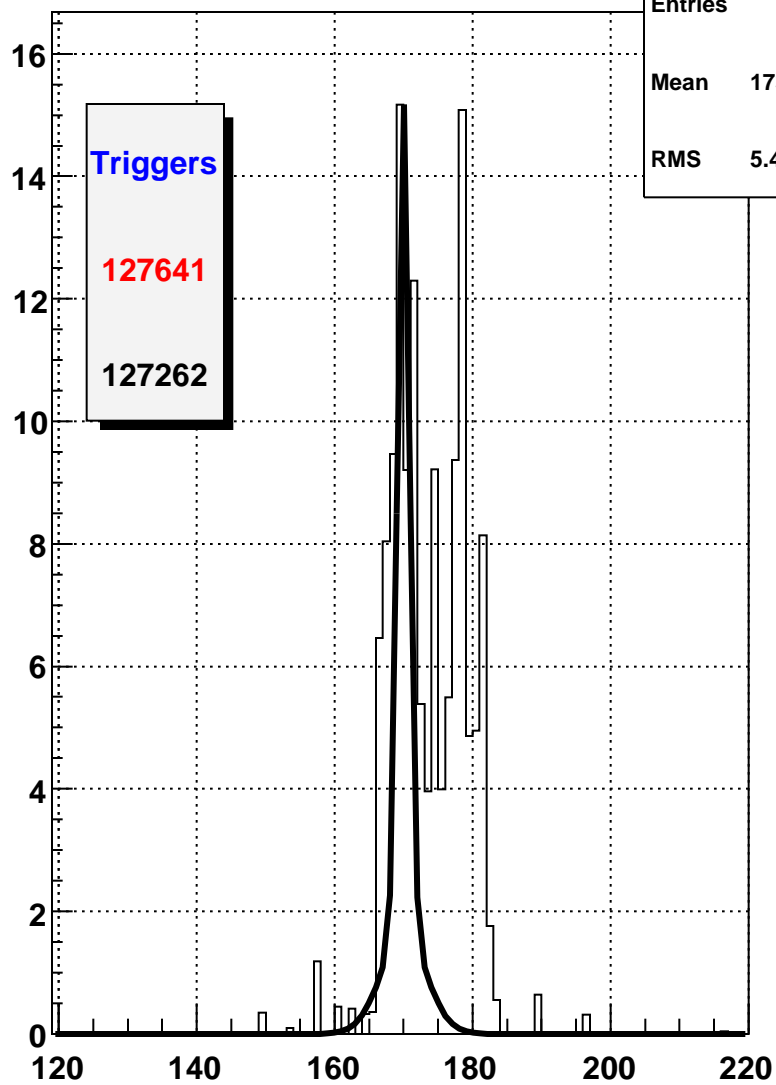
Entries	22
Mean	100.8
RMS	5.932



Run=7099047, Event=95312

**hSmdu**

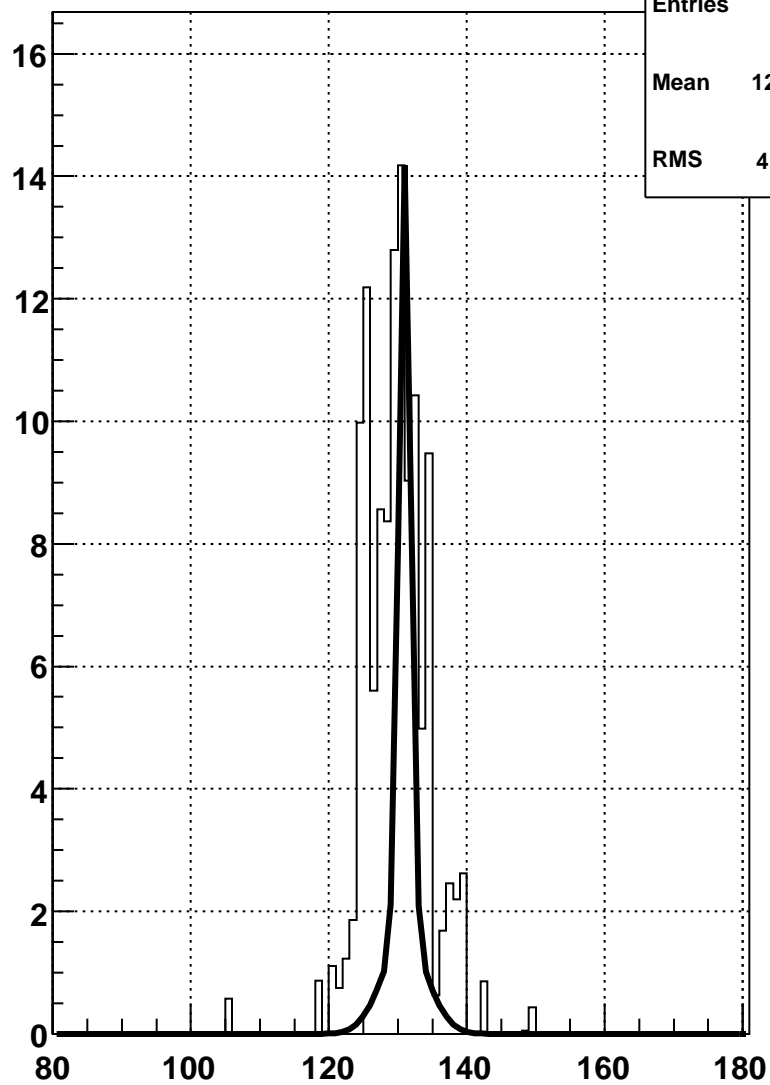
Entries	29
Mean	173.6
RMS	5.446



$p_T=7.8$  GeV,  $E=14.2$  GeV

**hSmdv**

Entries	25
Mean	129.8
RMS	4.711



Run=7099047, Event=95467

**hSmdu**

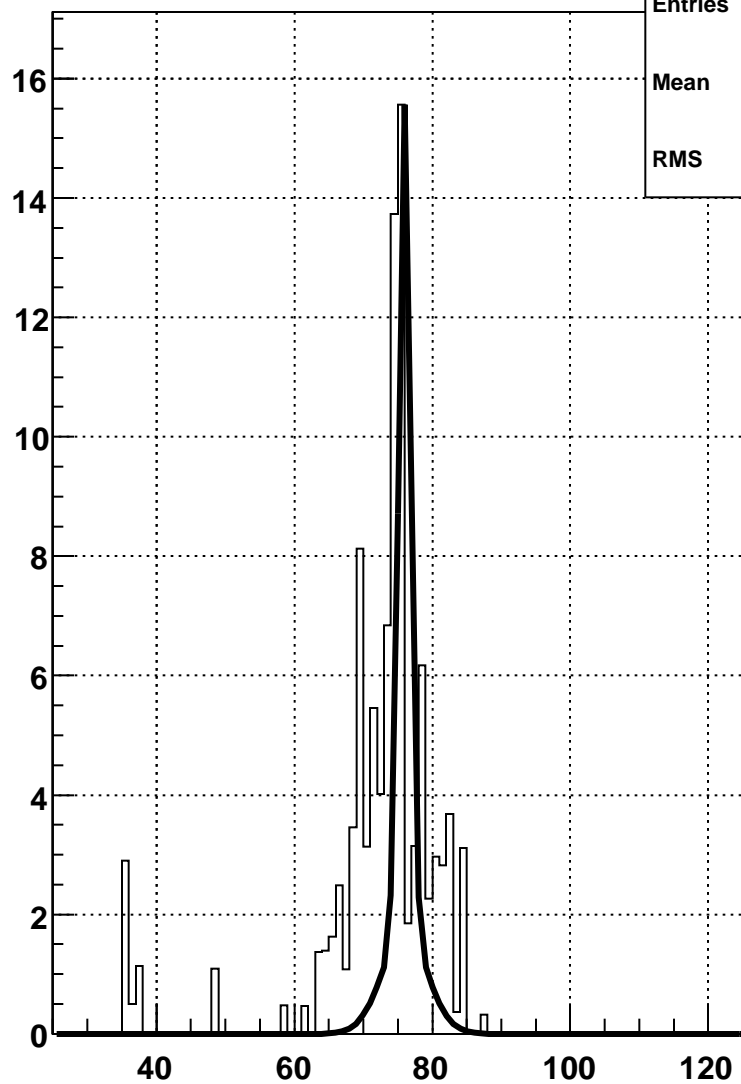
Entries	34
Mean	141.4
RMS	7.293



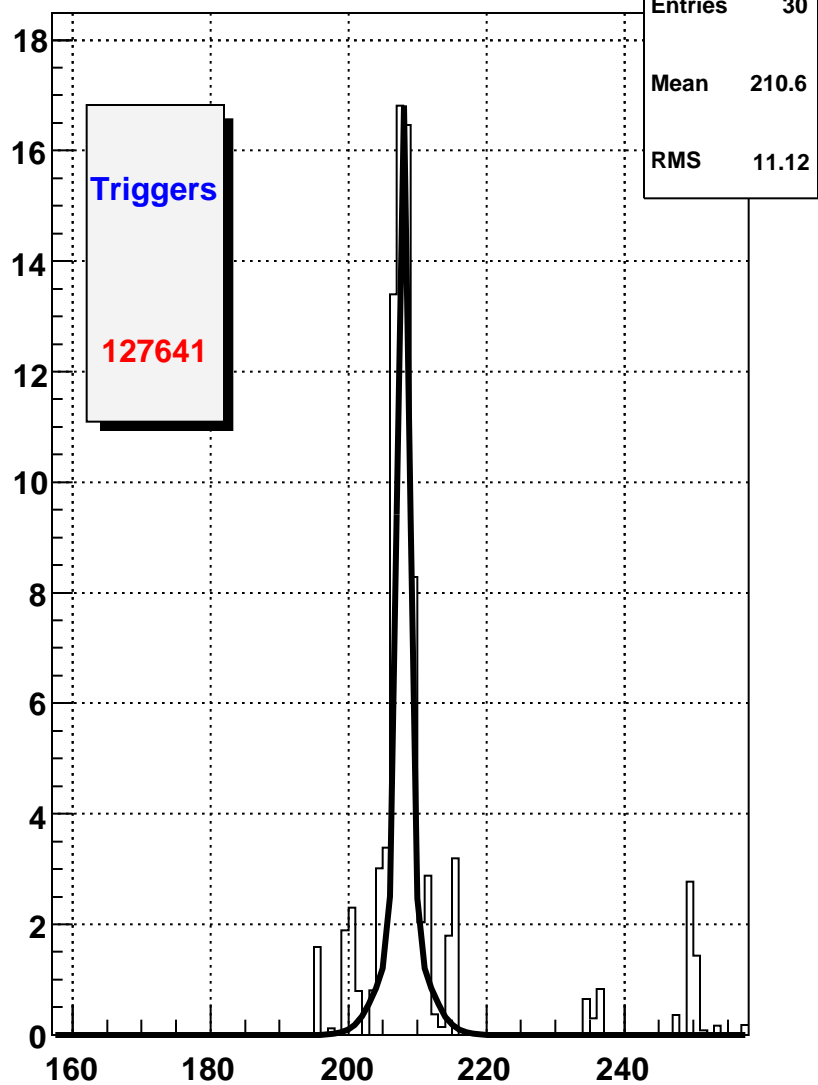
$p_T=6.6$  GeV,  $E=10.9$  GeV

**hSmdv**

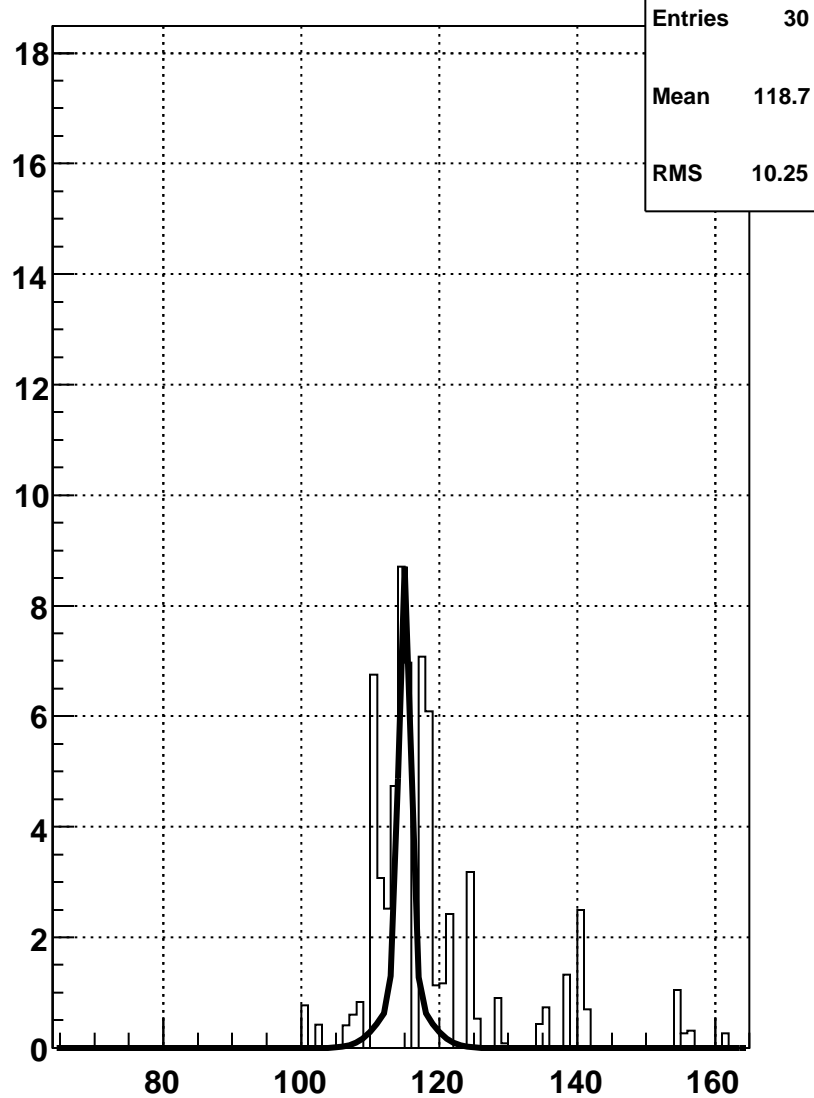
Entries	29
Mean	72.31
RMS	9.582



Run=7099047, Event=95496



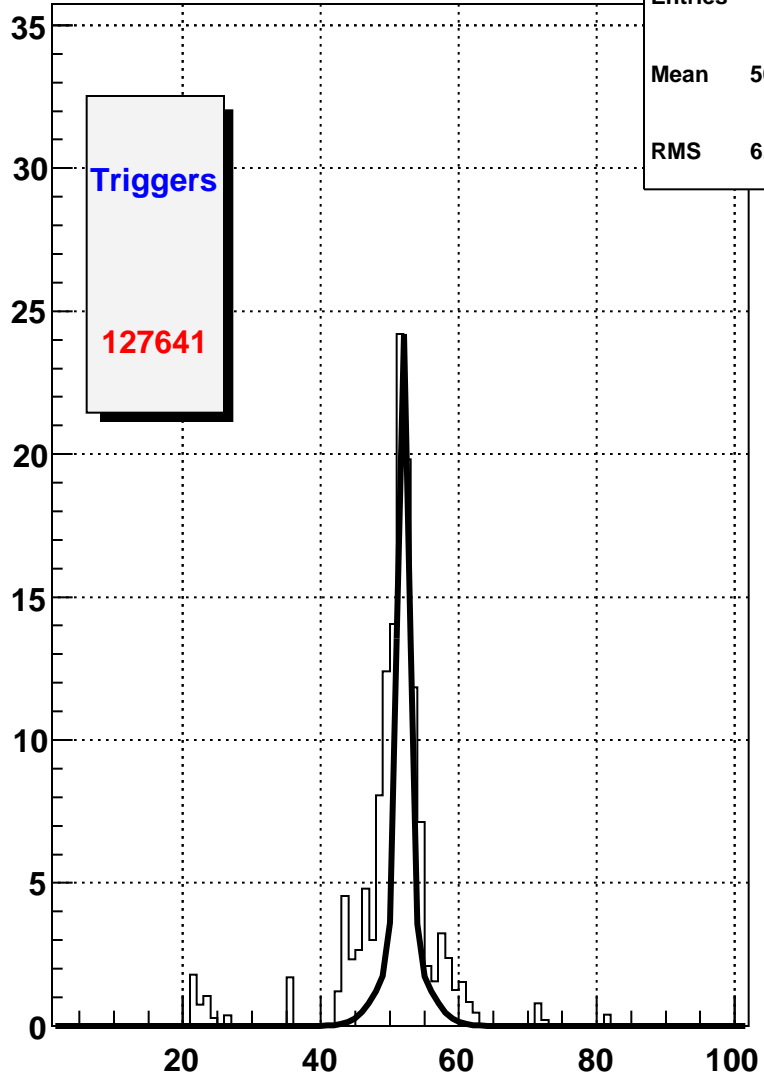
$p_T=5.2$  GeV,  $E=10.7$  GeV



Run=7099047, Event=95917

**hSmdu**

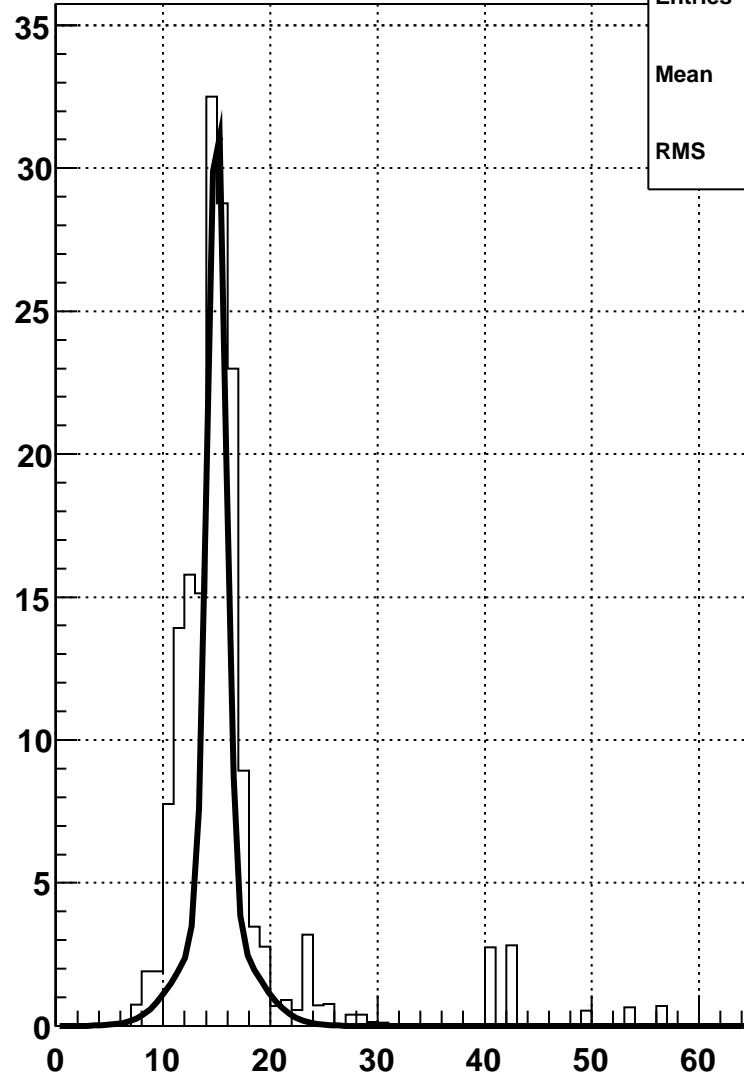
Entries	30
Mean	50.48
RMS	6.738



$p_T=5.1$  GeV,  $E=20.0$  GeV

**hSmdv**

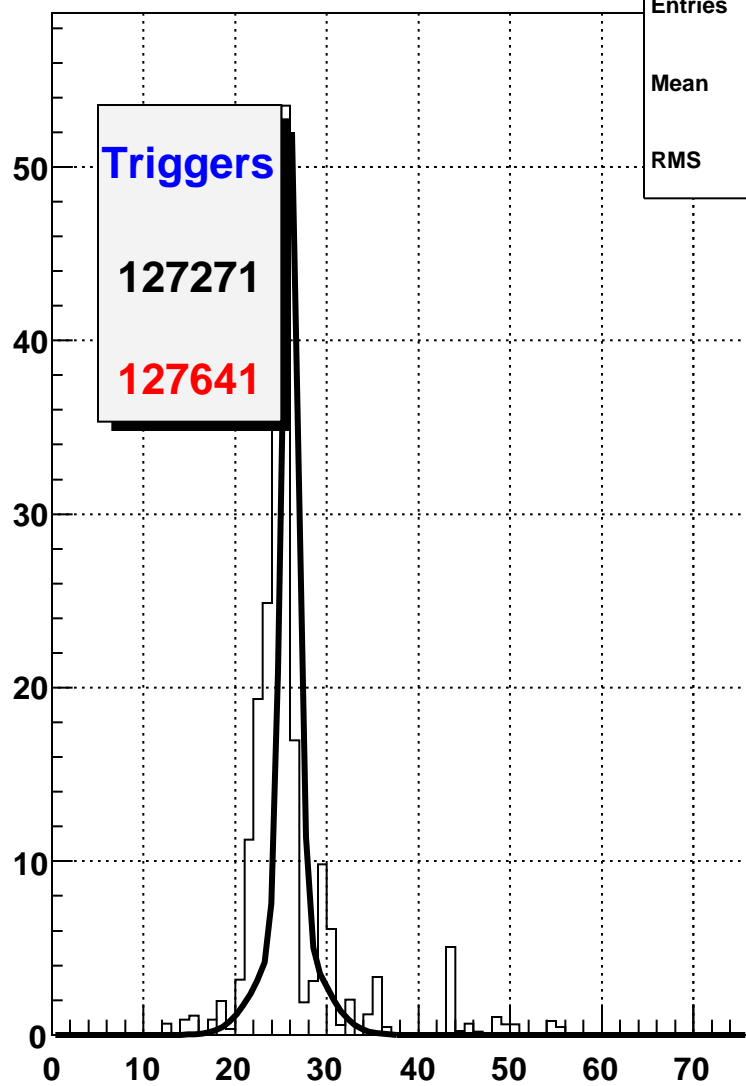
Entries	28
Mean	16.13
RMS	6.826



Run=7099047, Event=21197

**hSmdu**

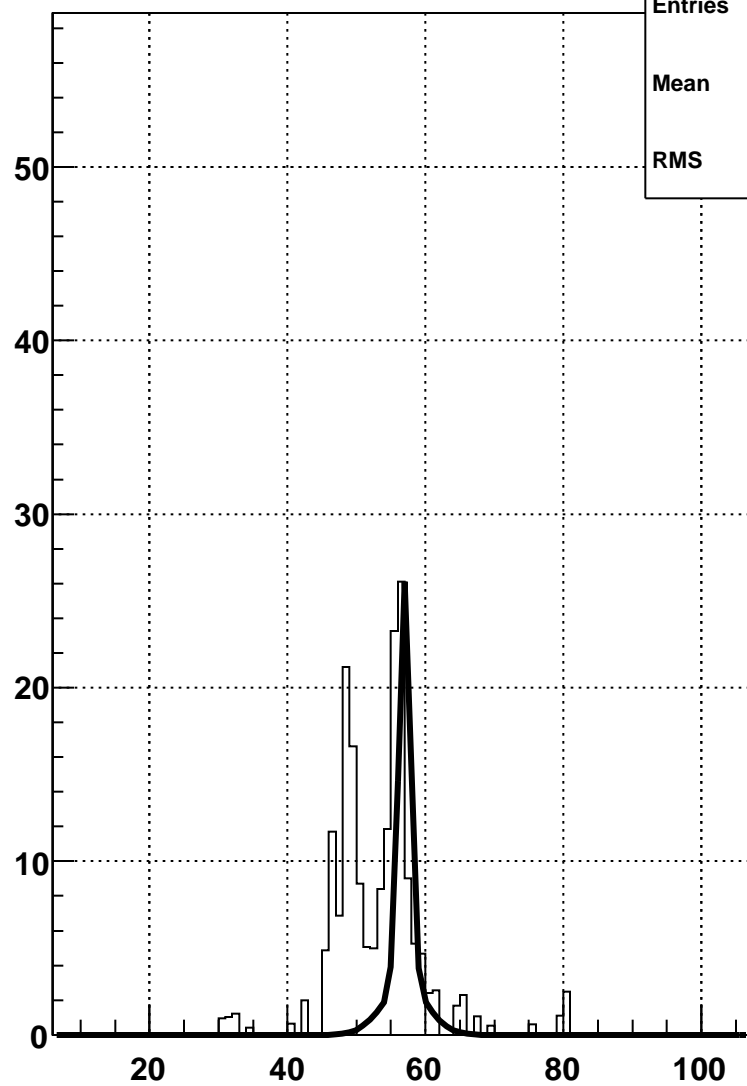
Entries	31
Mean	26.02
RMS	5.491



$p_T=6.3$  GeV,  $E=23.6$  GeV

**hSmdv**

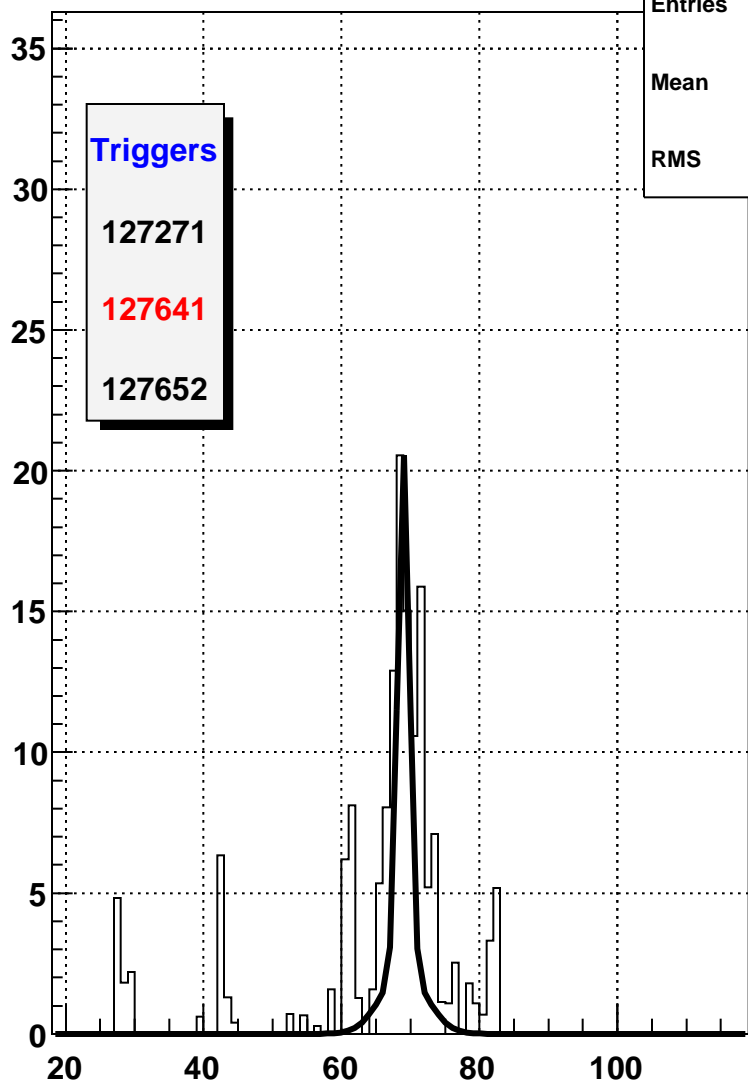
Entries	31
Mean	53.27
RMS	6.874



Run=7099047, Event=21881

**hSmdu**

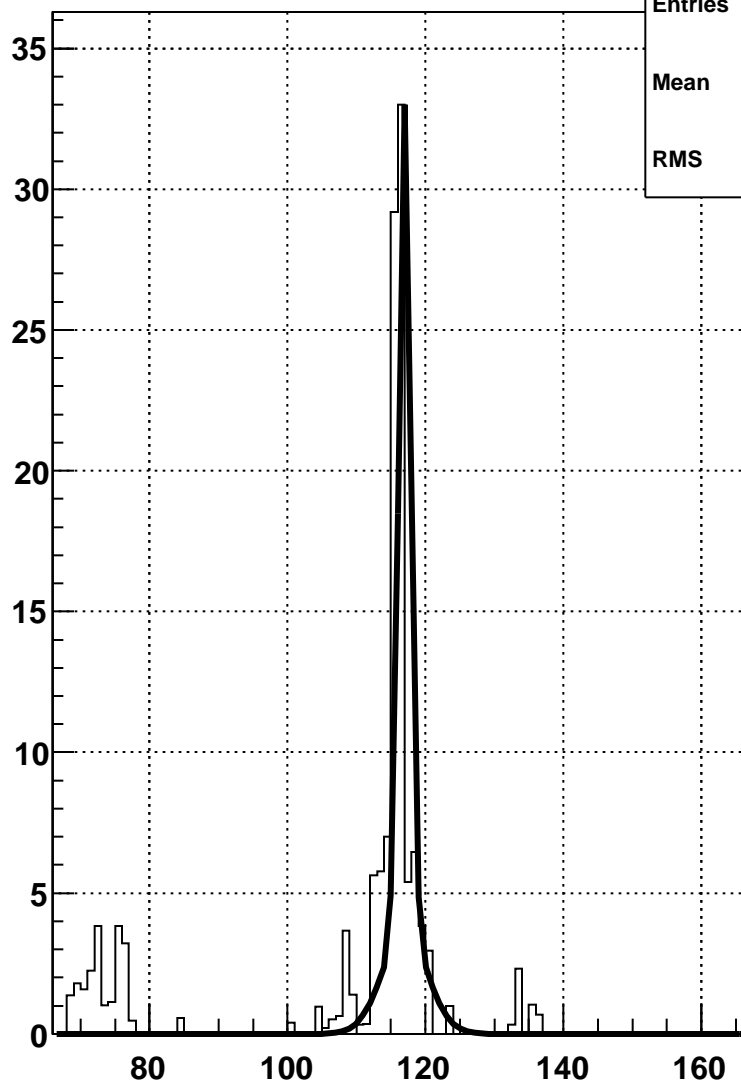
Entries	32
Mean	65.55
RMS	12.17



$p_T=8.1$  GeV,  $E=21.9$  GeV

**hSmdv**

Entries	42
Mean	109.5
RMS	16.19

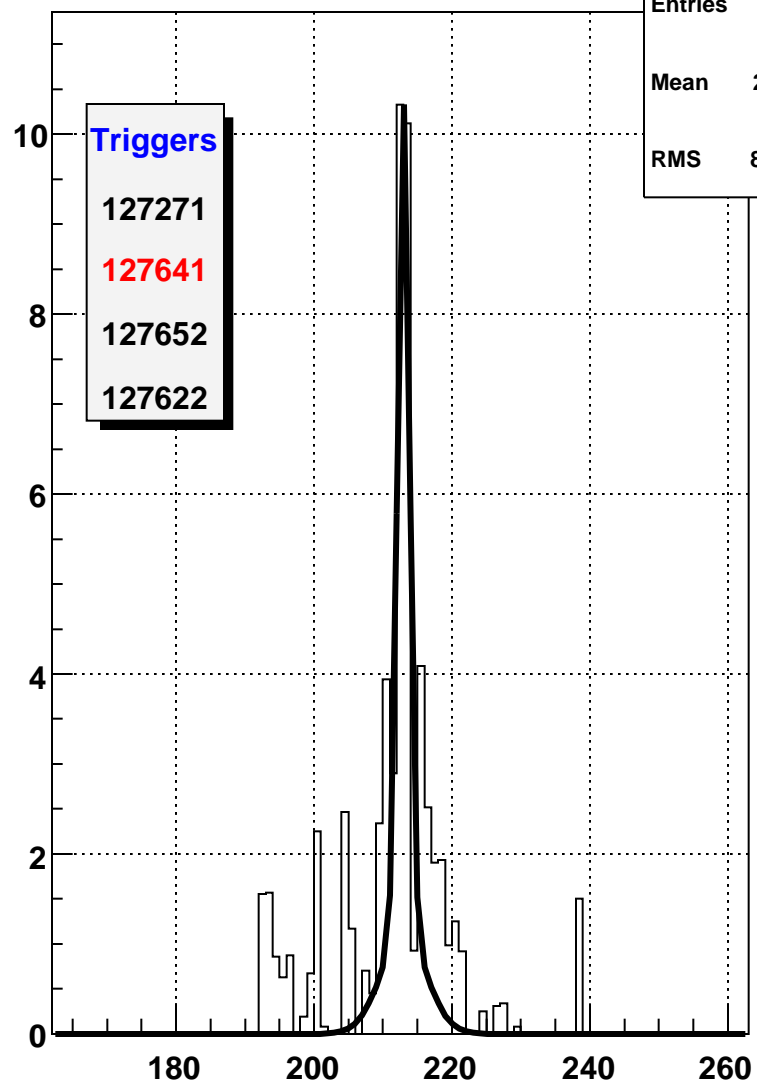




Run=7099047, Event=22587

**hSmdu**

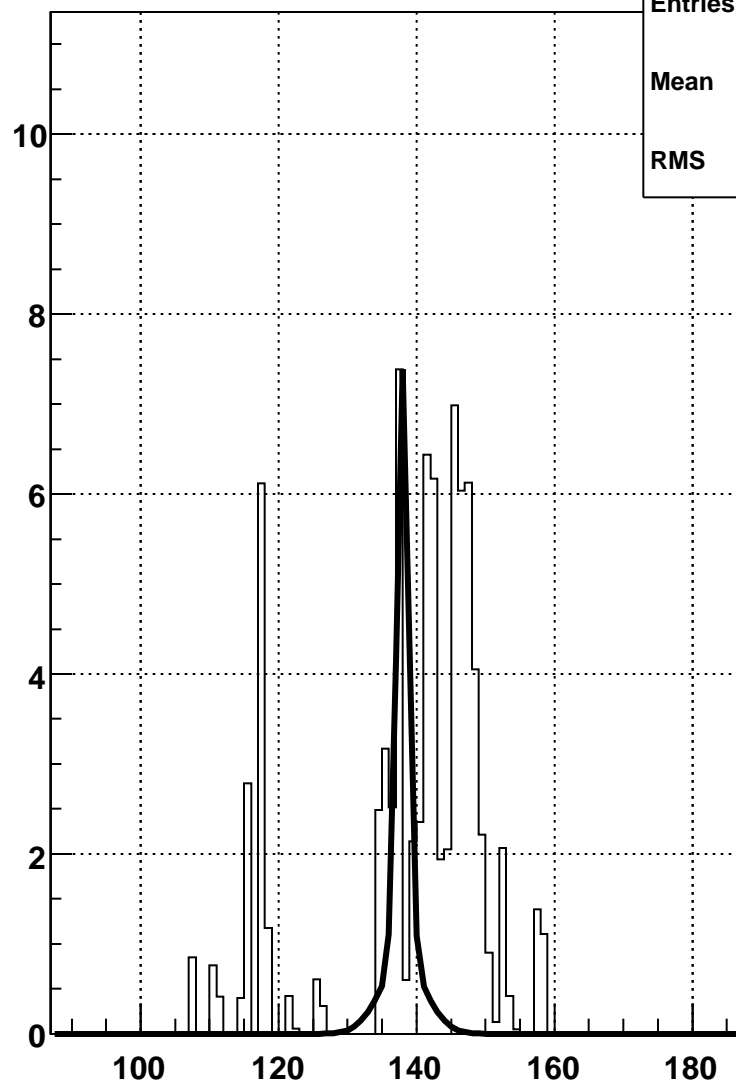
Entries	31
Mean	211.5
RMS	8.358



$p_T=7.1$  GeV,  $E=10.8$  GeV

**hSmdv**

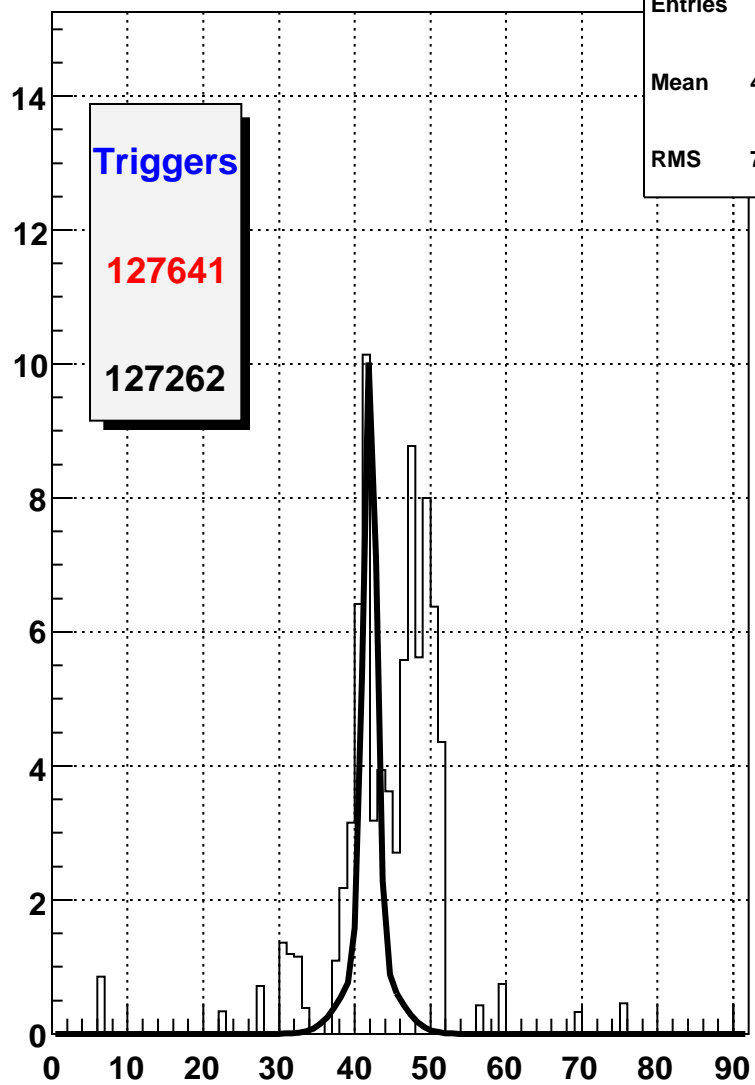
Entries	34
Mean	139.1
RMS	11.39



Run=7099047, Event=15402

**hSmdu**

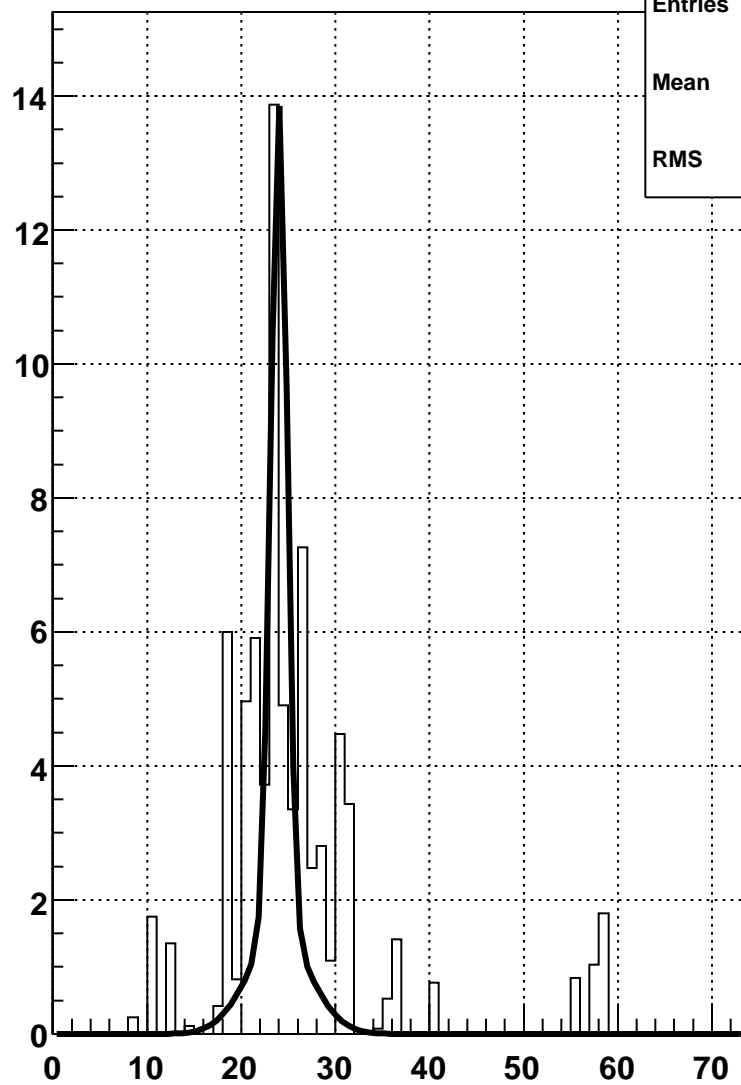
Entries	26
Mean	44.53
RMS	7.287



$p_T=6.2$  GeV,  $E=21.8$  GeV

**hSmdv**

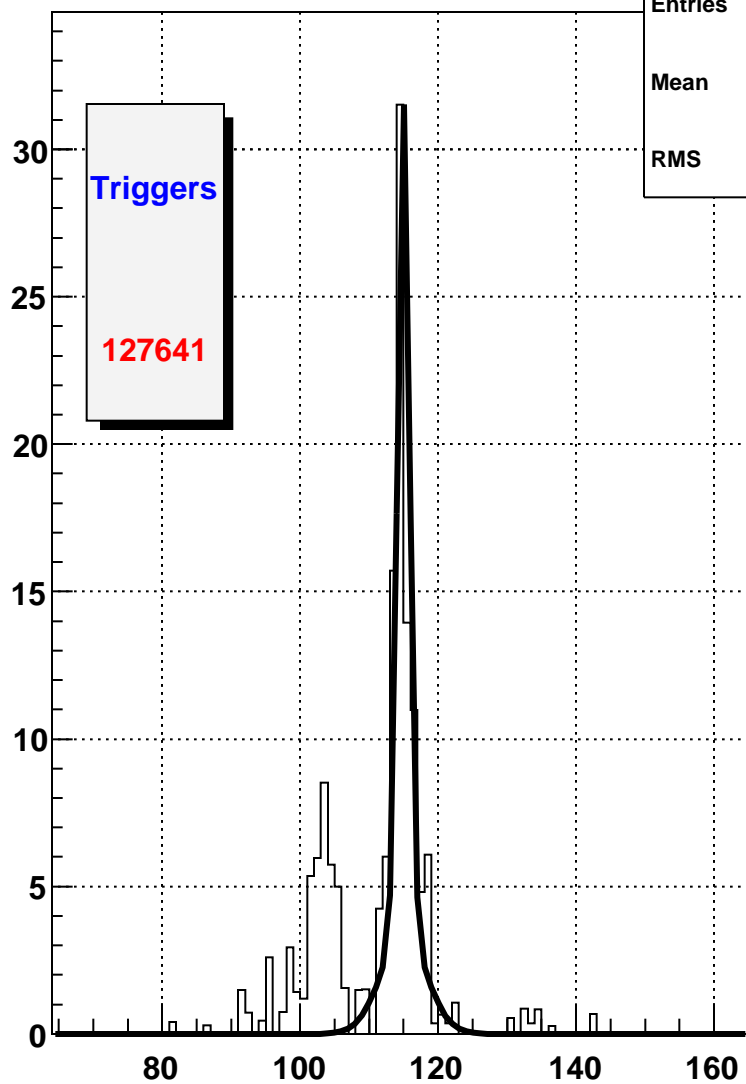
Entries	26
Mean	25.85
RMS	8.785



Run=7099047, Event=16331

**hSmdu**

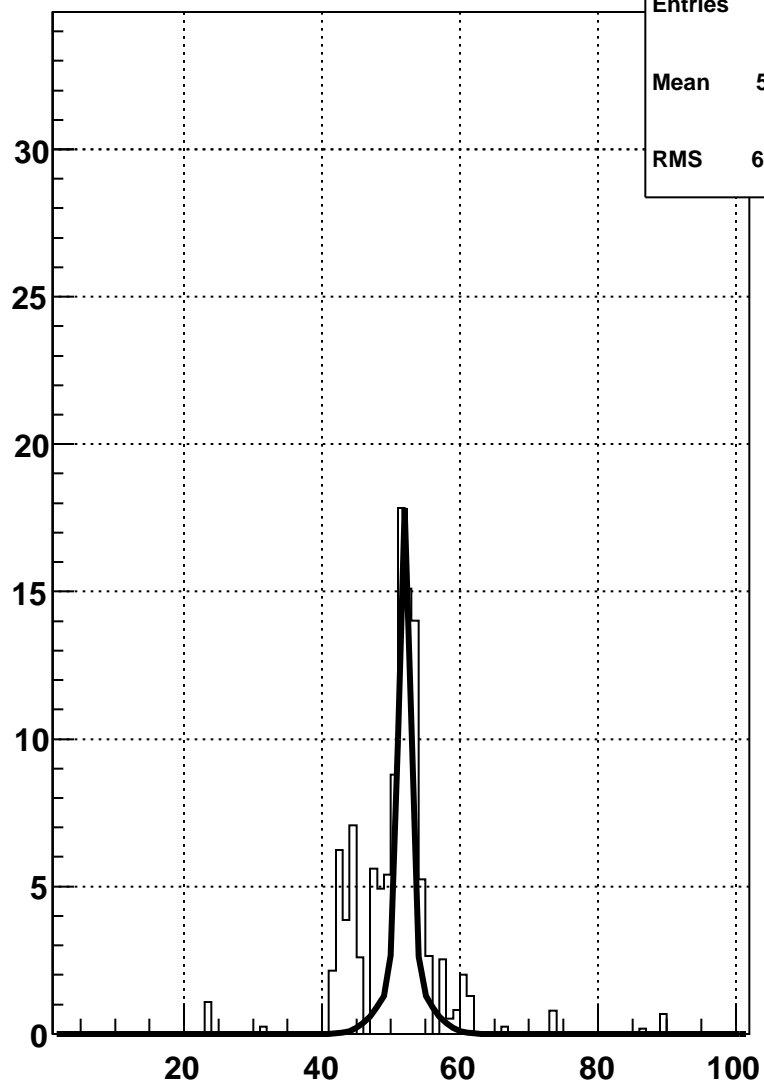
Entries	37
Mean	111.3
RMS	7.766



$p_T=5.9$  GeV,  $E=15.0$  GeV

**hSmdv**

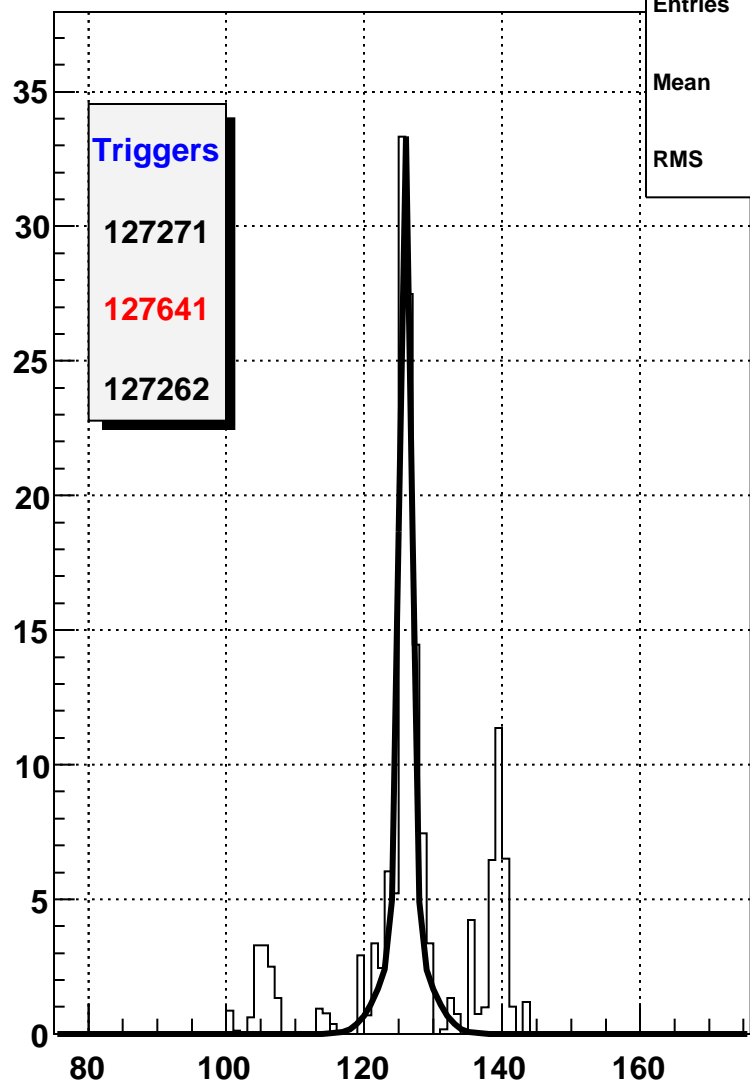
Entries	25
Mean	50.71
RMS	6.464



Run=7099047, Event=17926

**hSmdu**

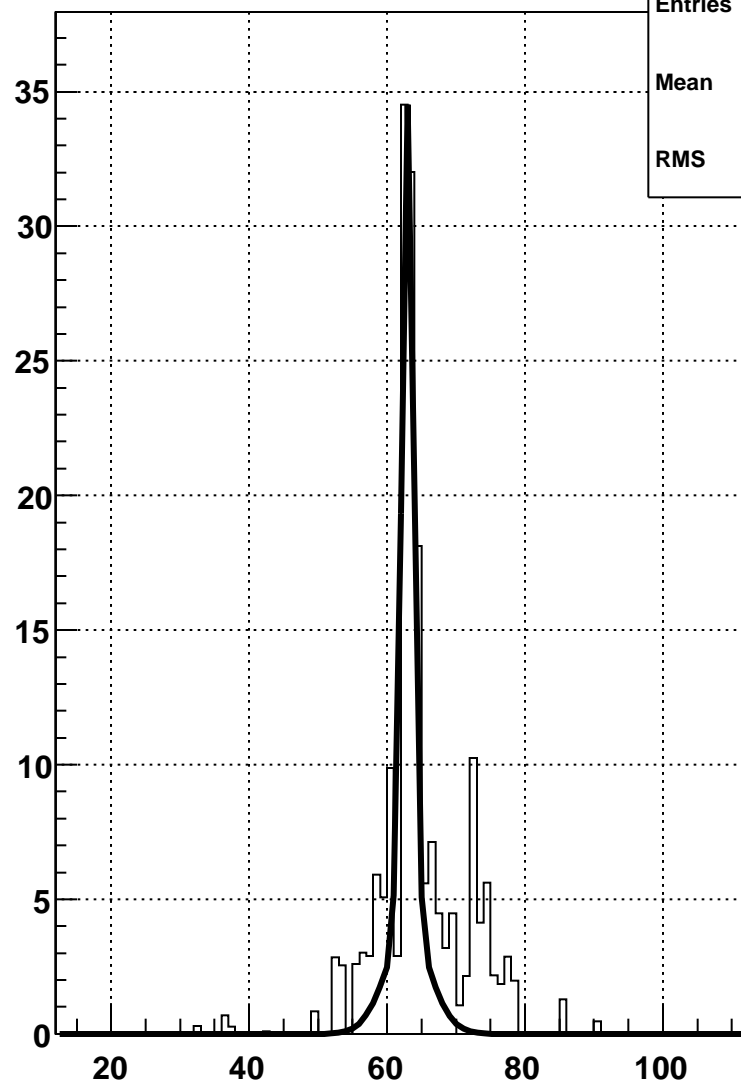
Entries	32
Mean	126.9
RMS	8.631



$p_T=7.3$  GeV,  $E=17.4$  GeV

**hSmdv**

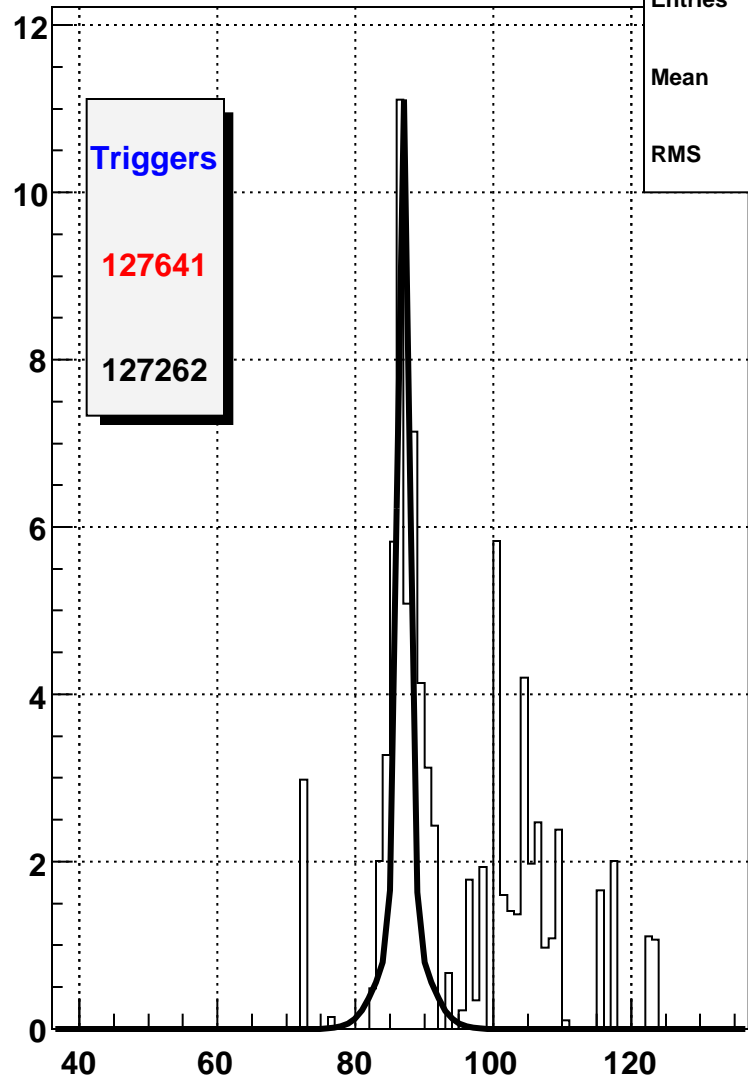
Entries	33
Mean	64.64
RMS	6.37



Run=7099047, Event=18347

**hSmdu**

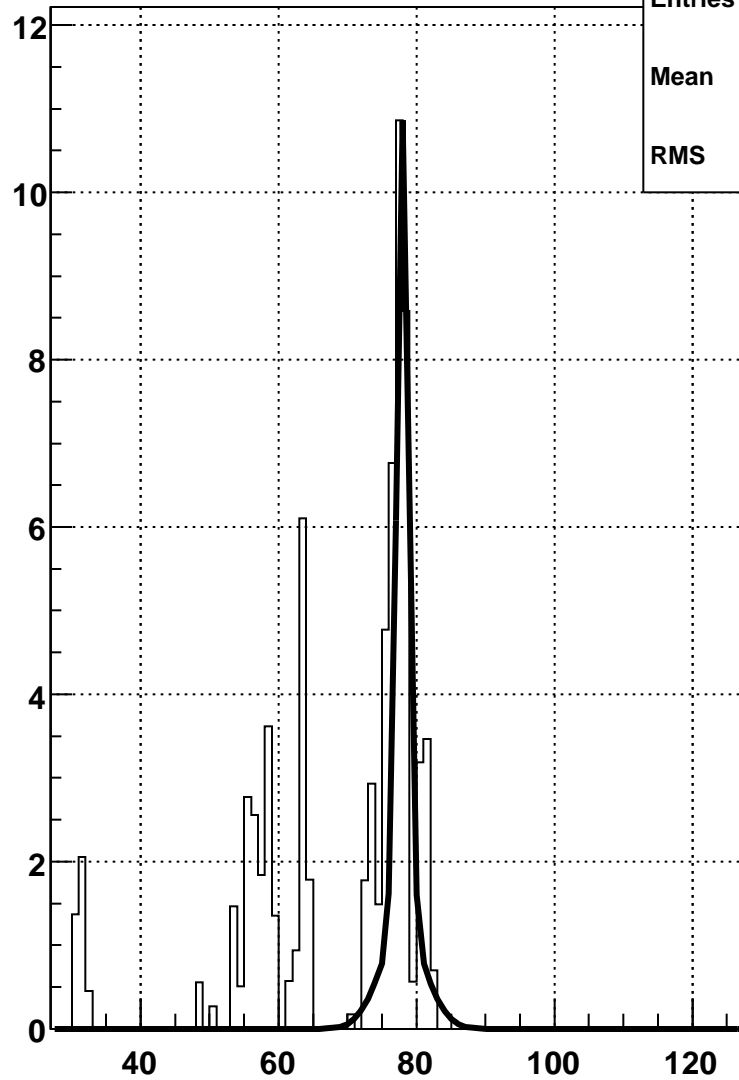
Entries	32
Mean	94.43
RMS	11.07



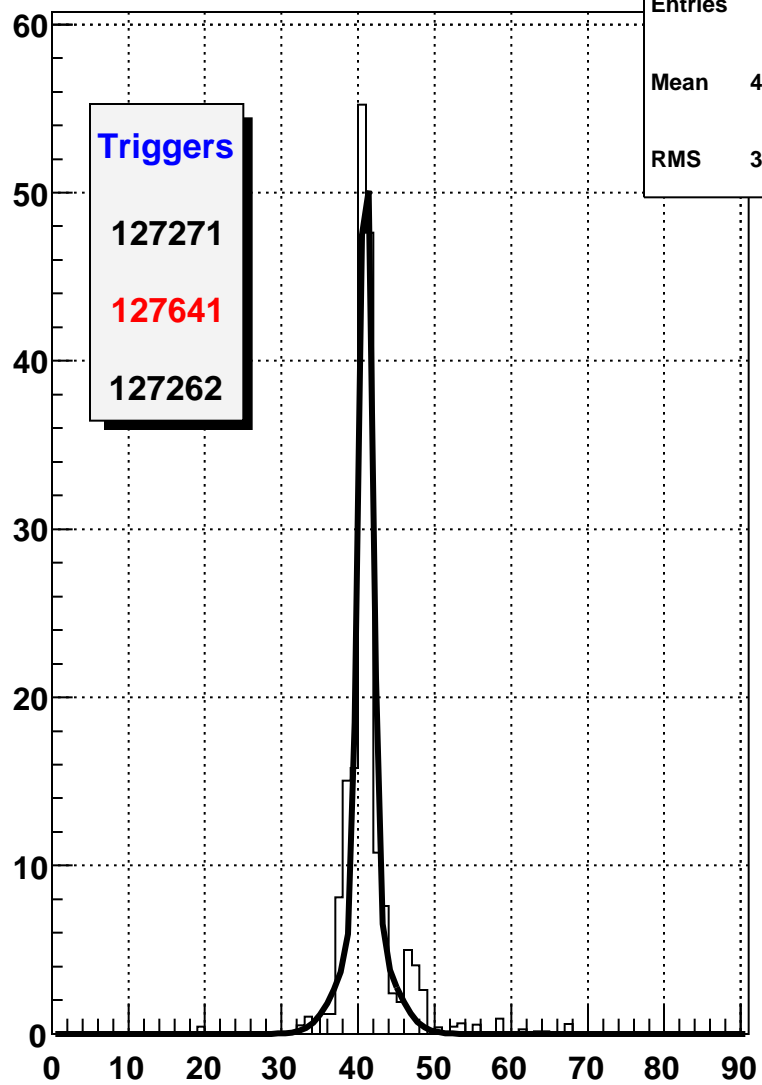
$p_T=5.9$  GeV,  $E=20.5$  GeV

**hSmdv**

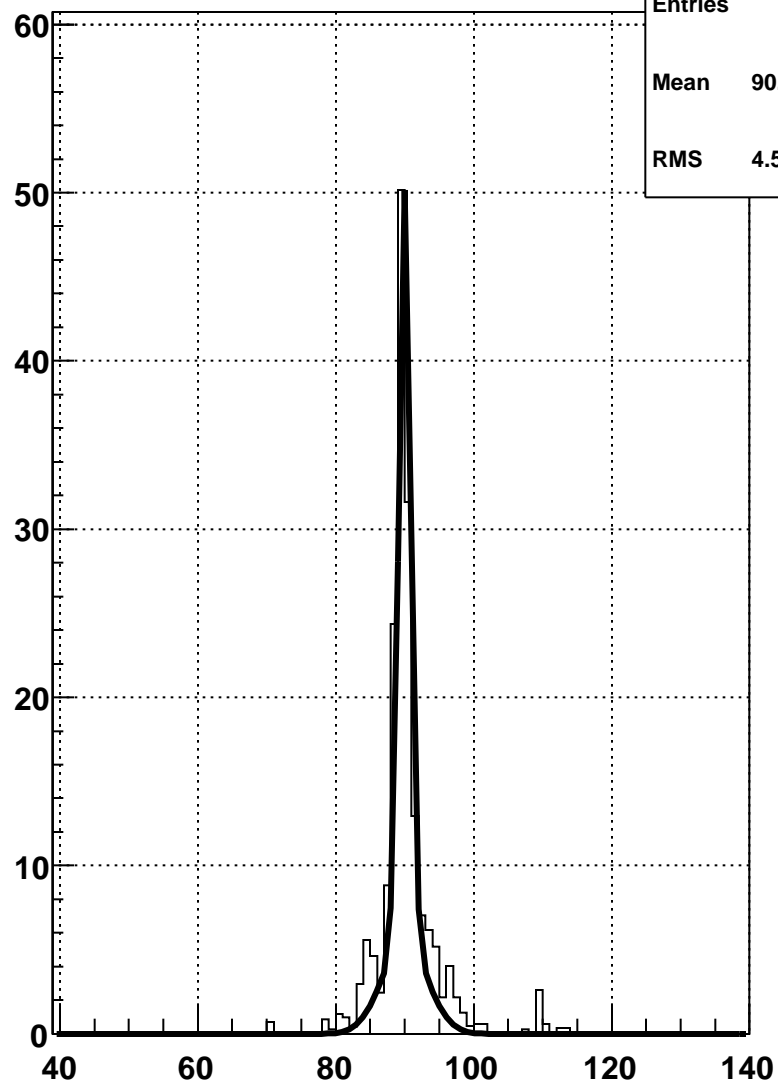
Entries	28
Mean	68.9
RMS	12.61



Run=7099047, Event=18434



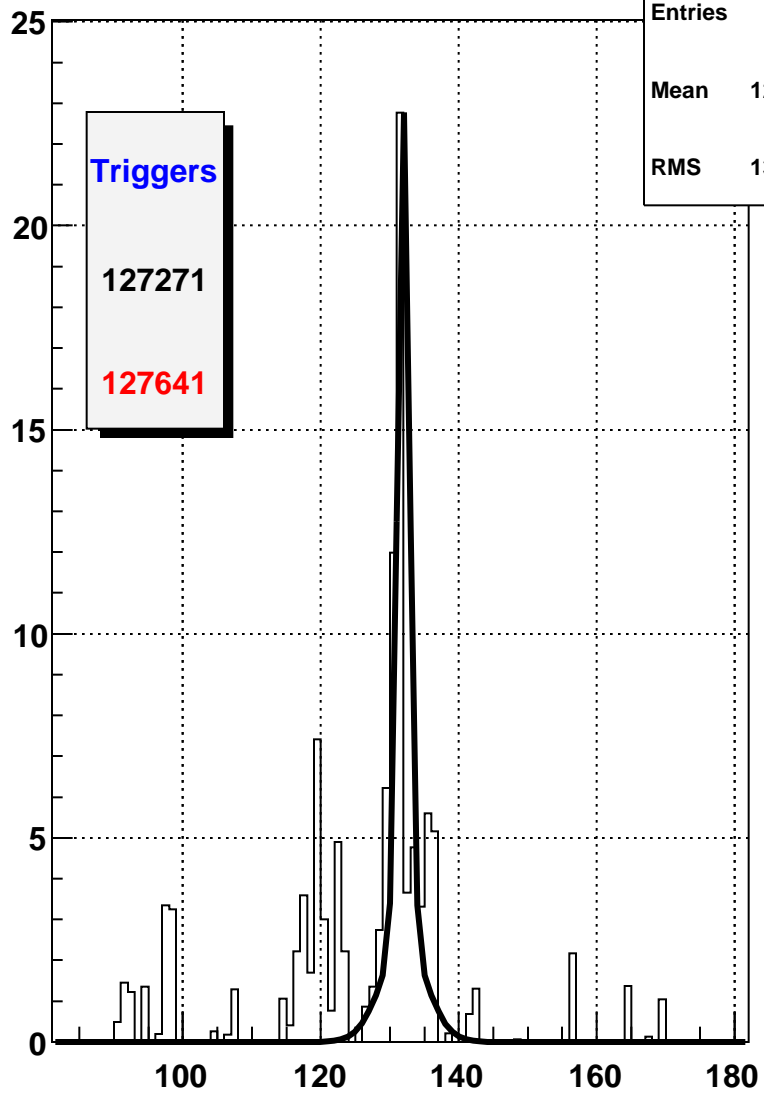
$p_T=9.7$  GeV,  $E=28.1$  GeV



Run=7099047, Event=18548

**hSmdu**

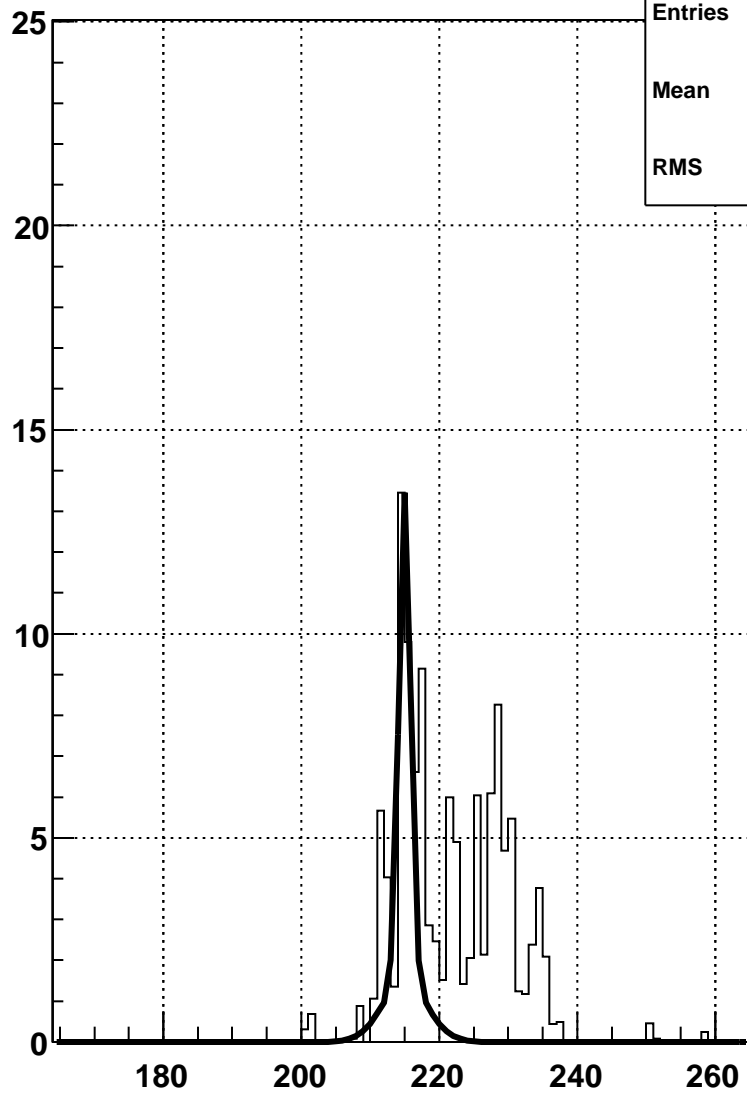
Entries	40
Mean	126.6
RMS	13.73



$p_T=5.2$  GeV,  $E=9.8$  GeV

**hSmdv**

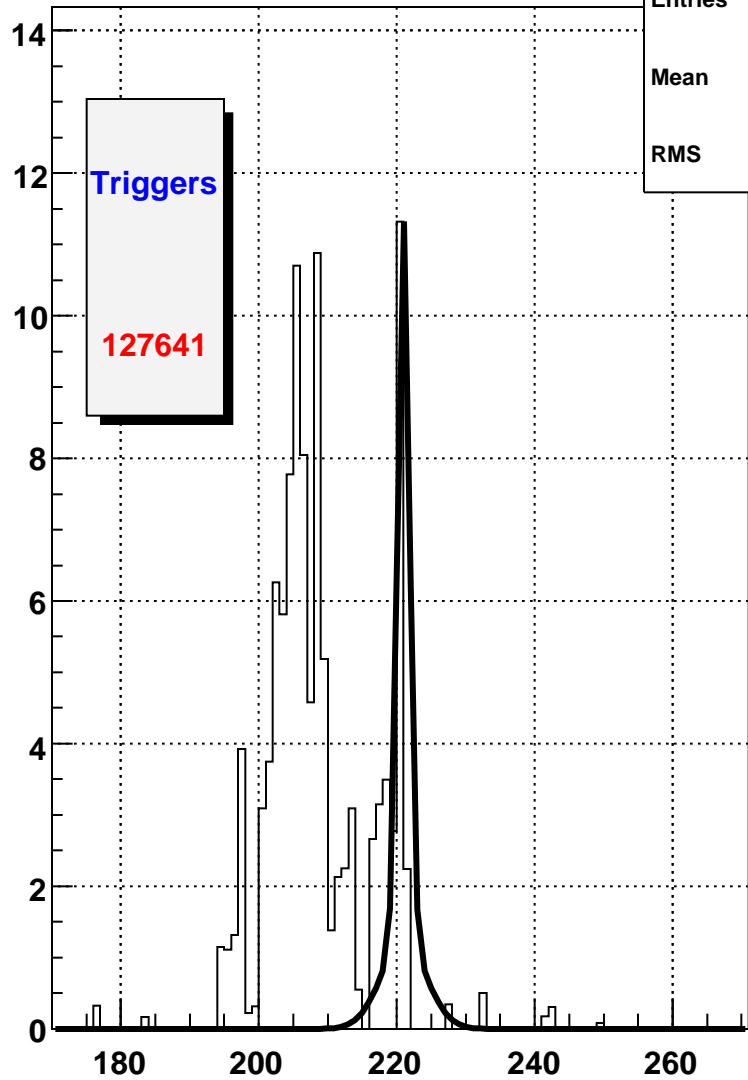
Entries	35
Mean	221.6
RMS	7.797



Run=7099047, Event=19504

**hSmdu**

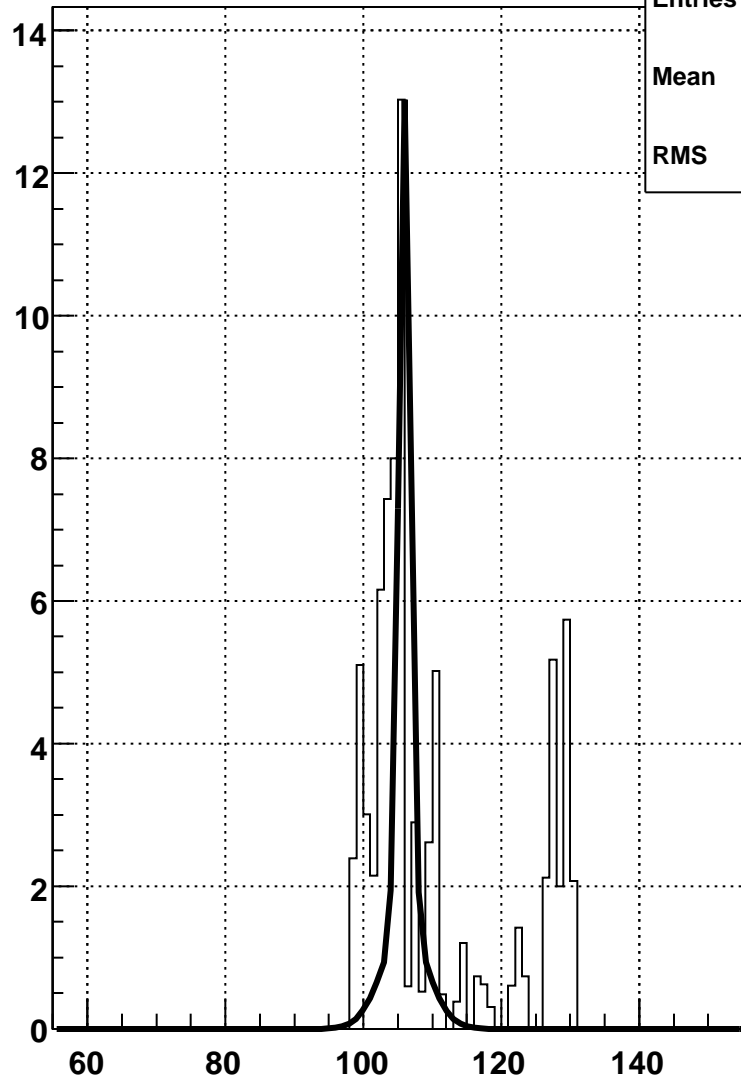
Entries	34
Mean	208.9
RMS	7.9



$p_T=5.9$  GeV,  $E=12.3$  GeV

**hSmdv**

Entries	30
Mean	110.5
RMS	10.41

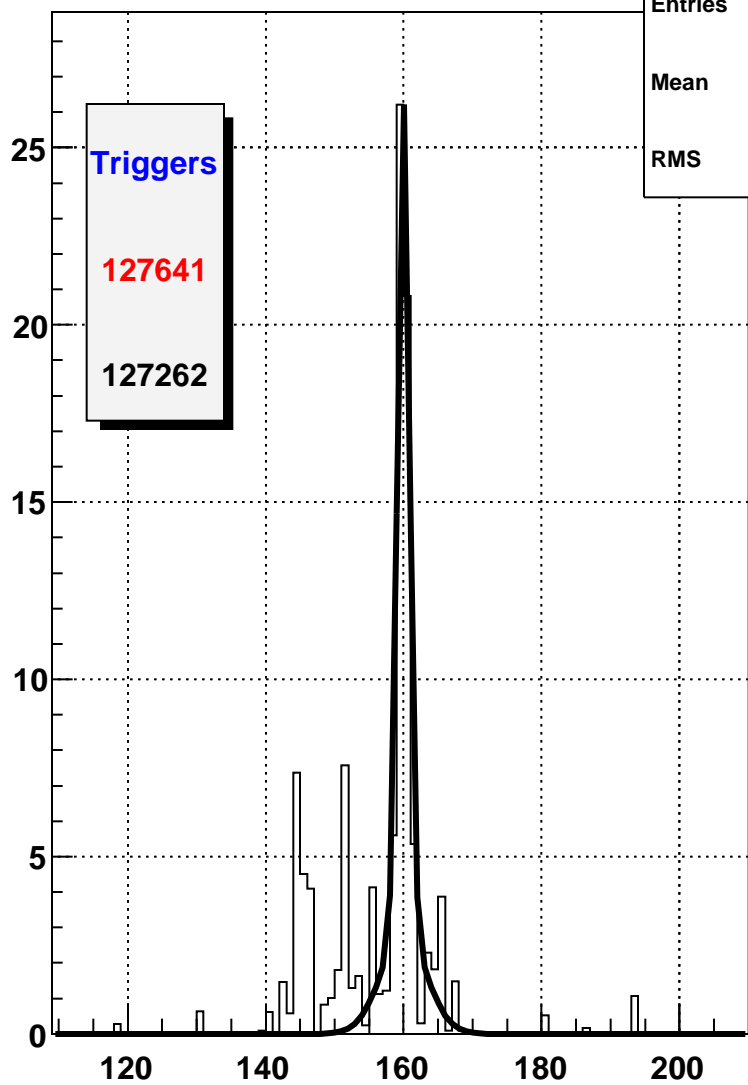




Run=7099047, Event=989

**hSmdu**

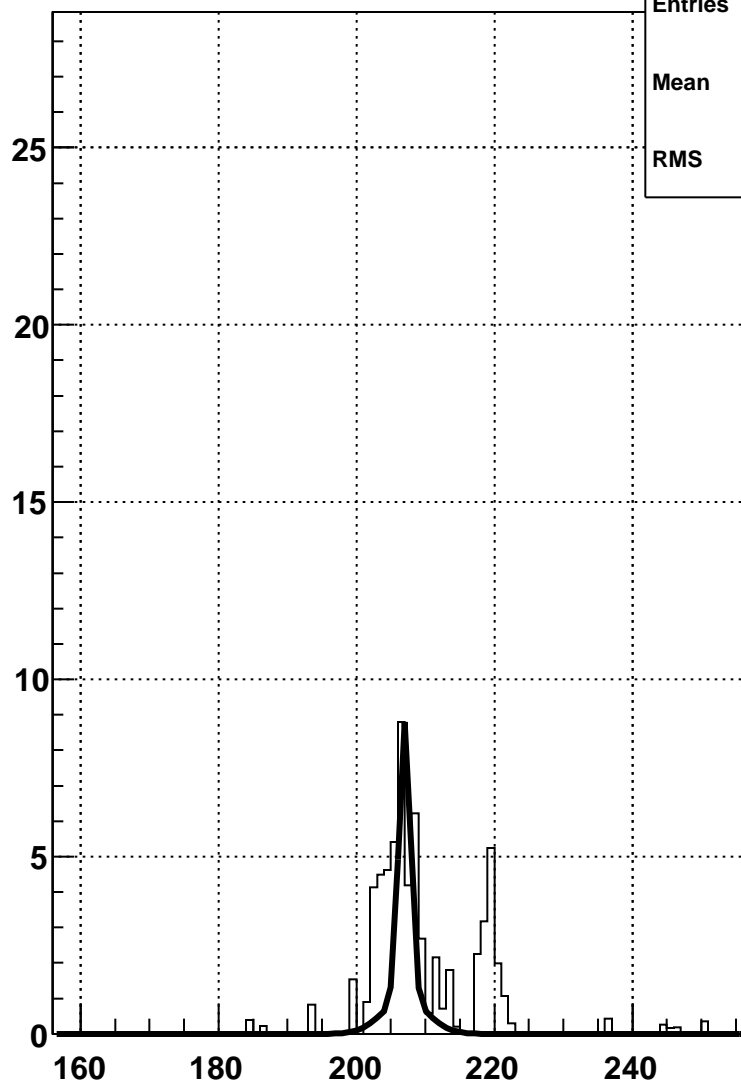
Entries	33
Mean	156.7
RMS	8.08



$p_T=5.2$  GeV,  $E=10.6$  GeV

**hSmdv**

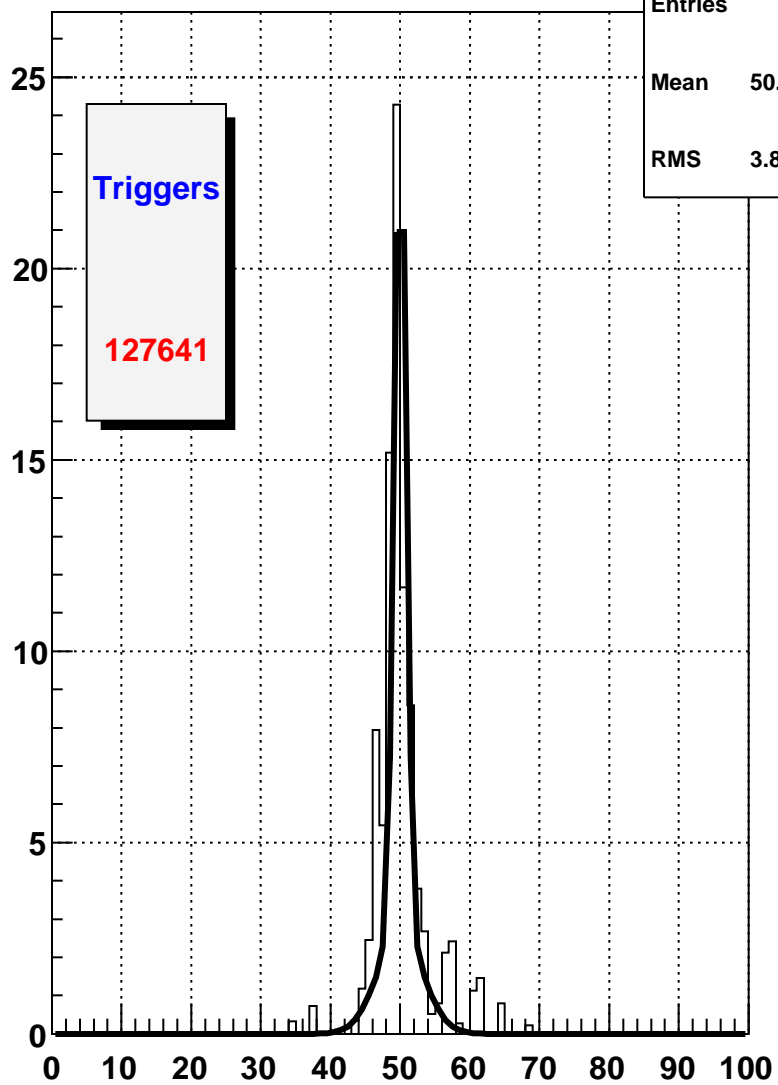
Entries	29
Mean	209.6
RMS	8.359



Run=7099047, Event=9221

**hSmdu**

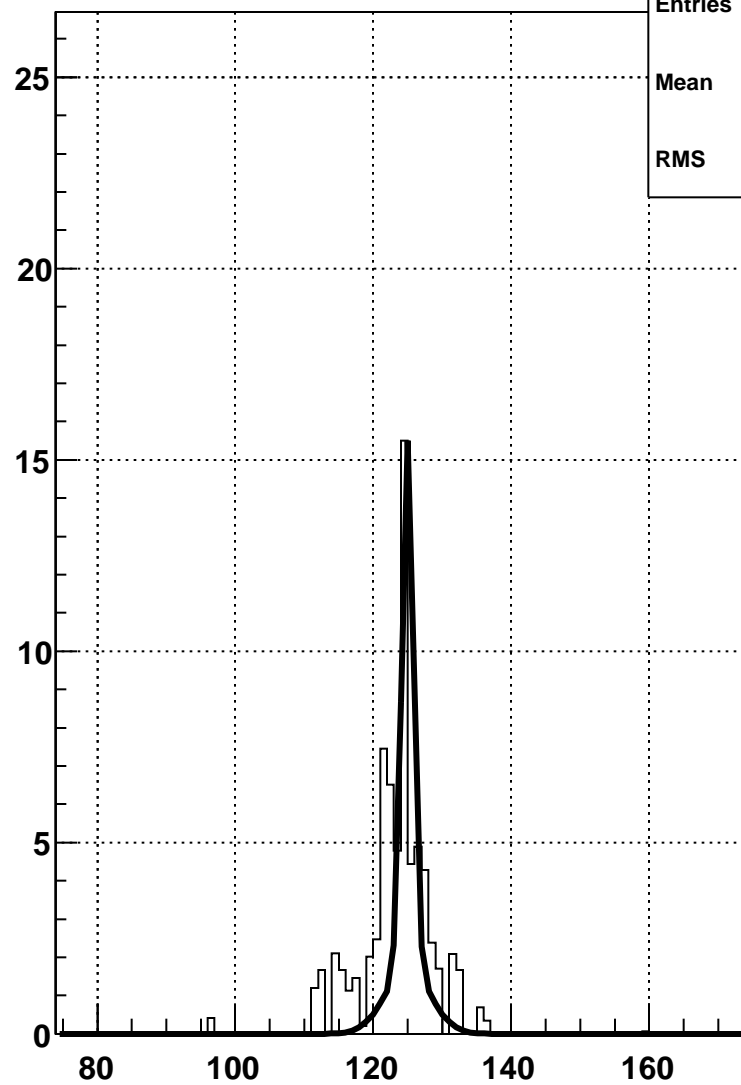
Entries	22
Mean	50.13
RMS	3.827



$p_T=5.8$  GeV,  $E=13.4$  GeV

**hSmdv**

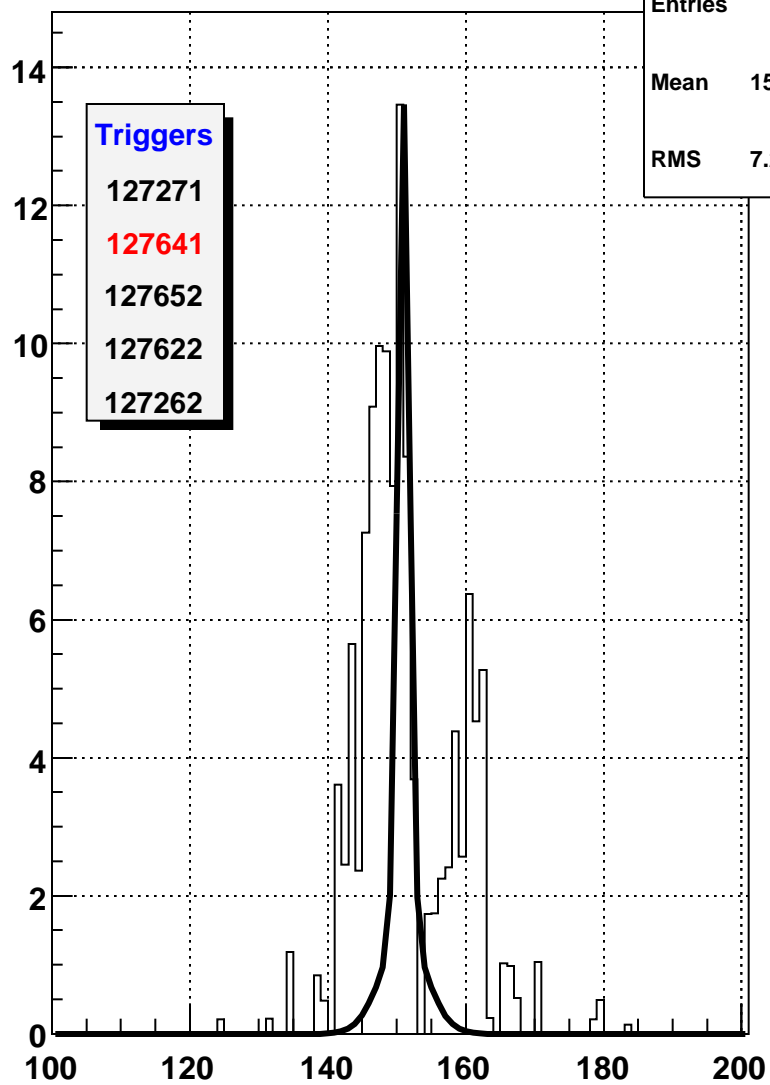
Entries	25
Mean	123.4
RMS	5.272



Run=7099047, Event=88355

**hSmdu**

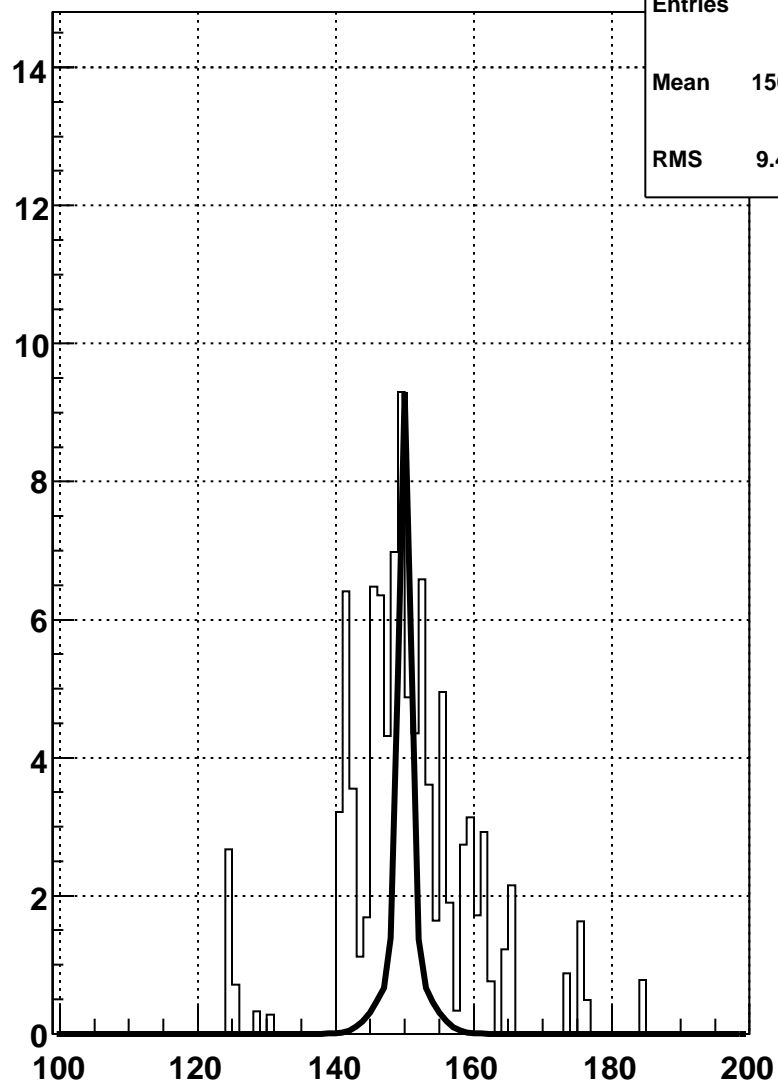
Entries	34
Mean	151.4
RMS	7.249



$p_T=7.5$  GeV,  $E=14.3$  GeV

**hSmdv**

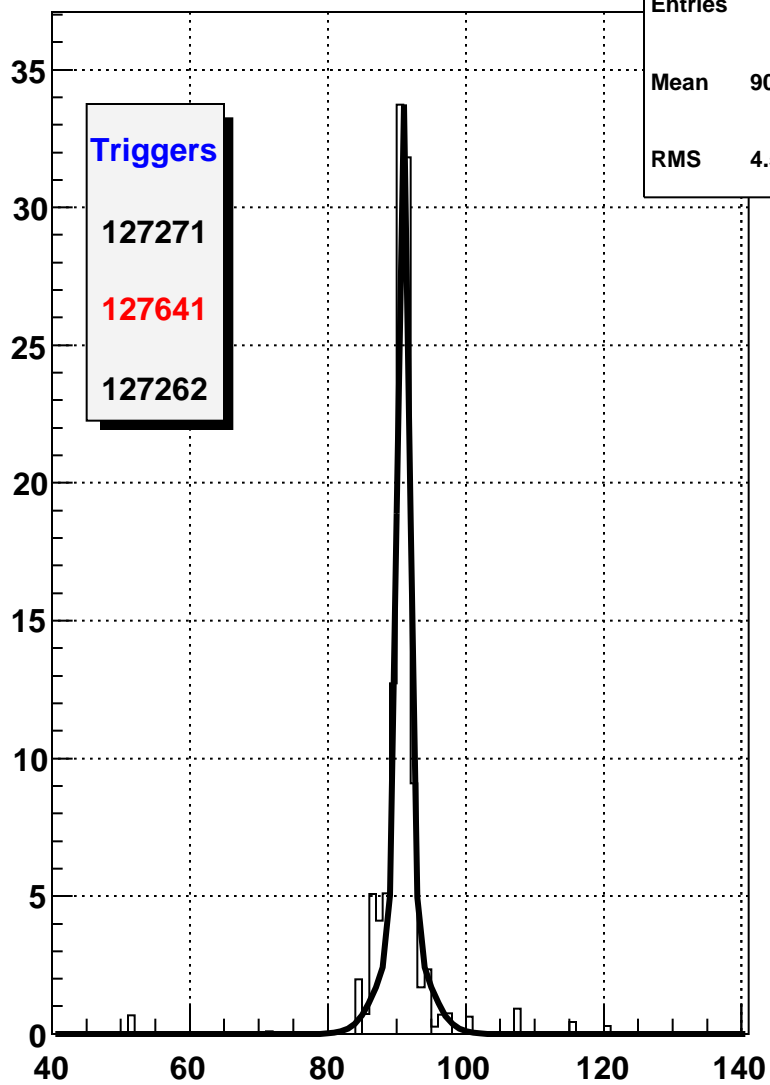
Entries	33
Mean	150.5
RMS	9.401



Run=7099047, Event=91623

**hSmdu**

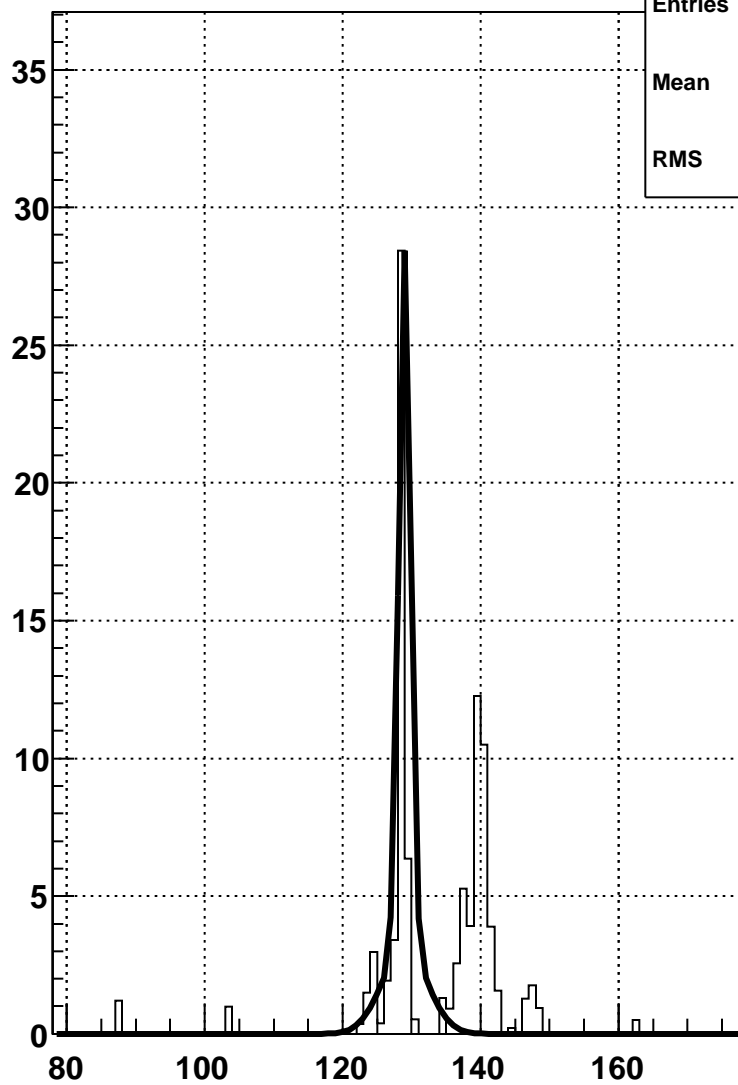
Entries	20
Mean	90.65
RMS	4.546



$p_T=7.2$  GeV,  $E=15.4$  GeV

**hSmdv**

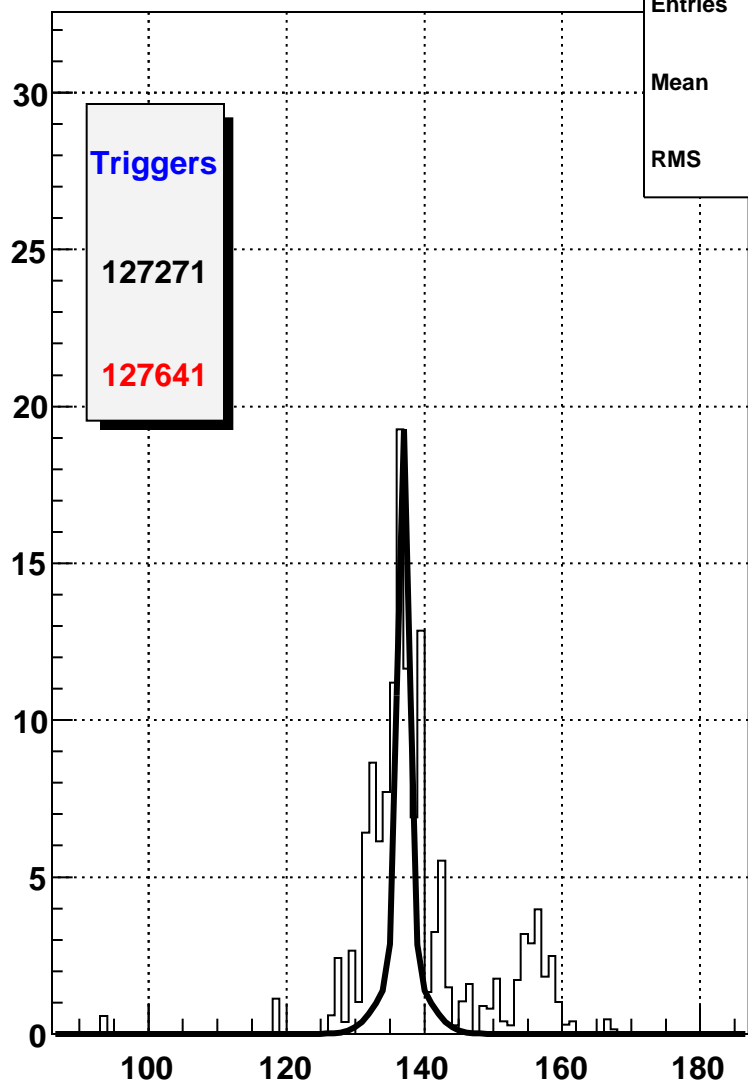
Entries	25
Mean	133.3
RMS	9.008



Run=7099047, Event=91768

**hSmdu**

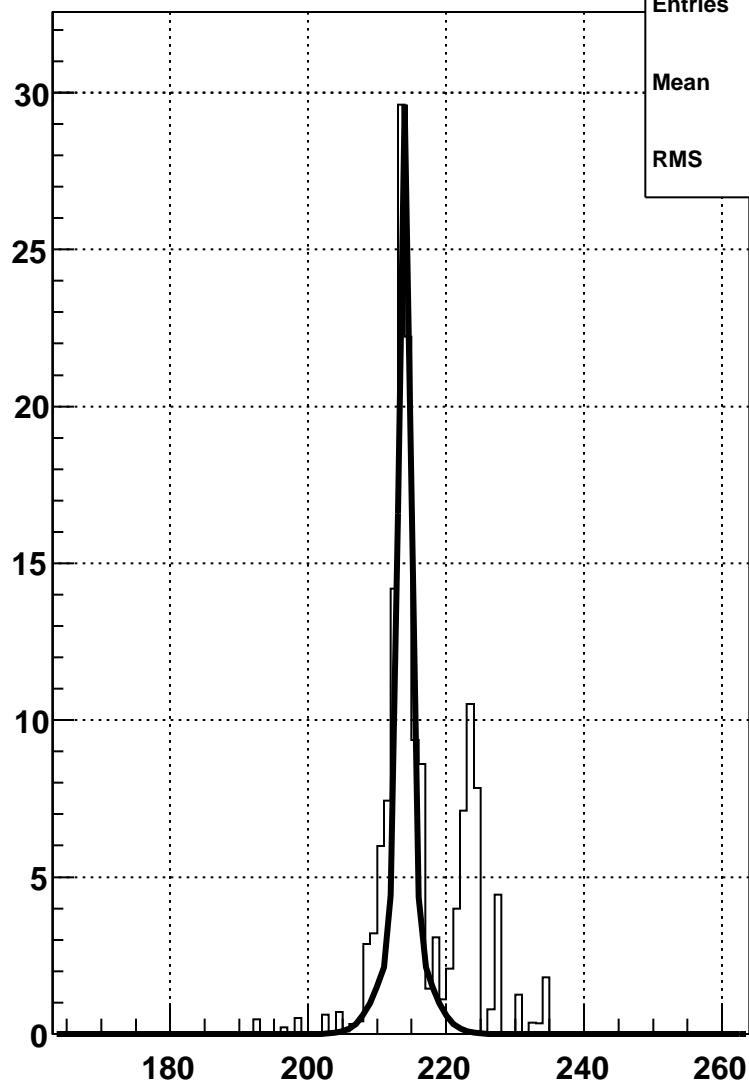
Entries	40
Mean	139.2
RMS	8.777



$p_T=6.3$  GeV,  $E=12.6$  GeV

**hSmdv**

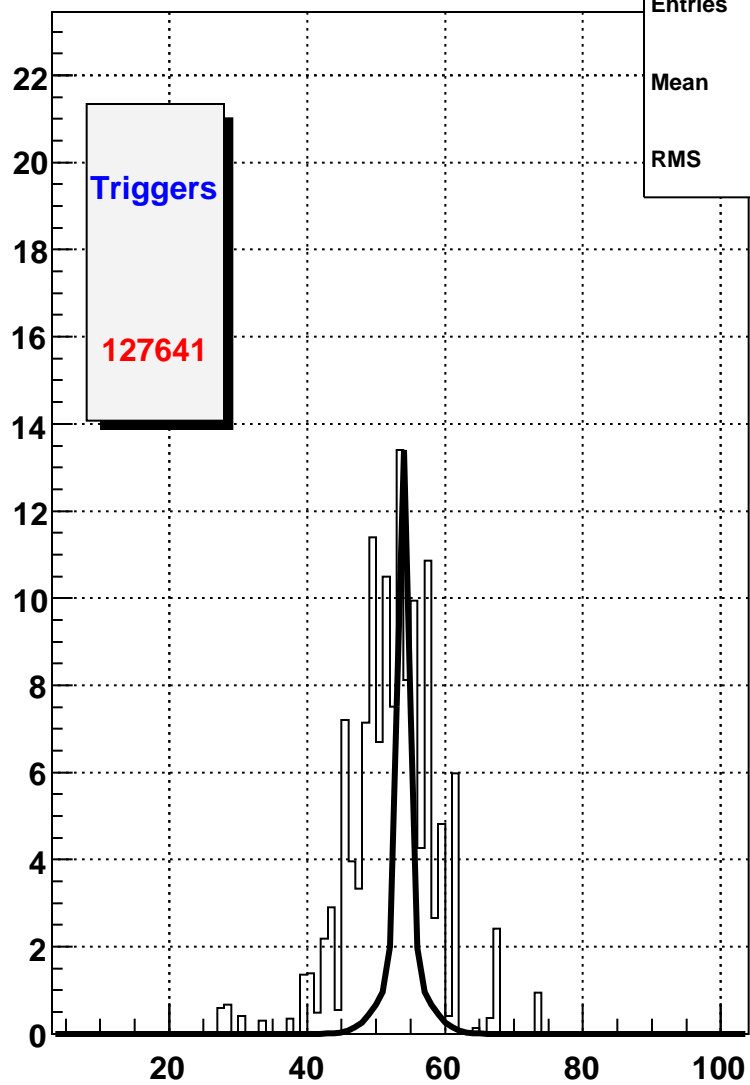
Entries	31
Mean	216.3
RMS	5.832



Run=7099047, Event=91859

**hSmdu**

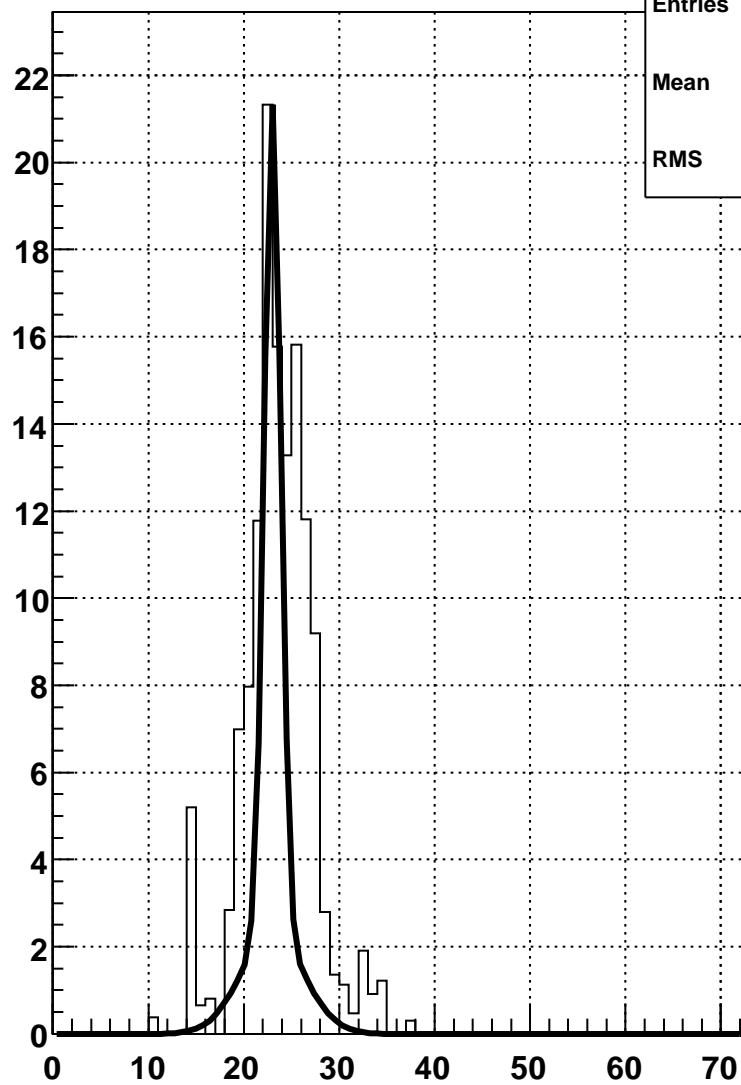
Entries	32
Mean	52.35
RMS	6.317



$p_T=5.2$  GeV,  $E=18.8$  GeV

**hSmdv**

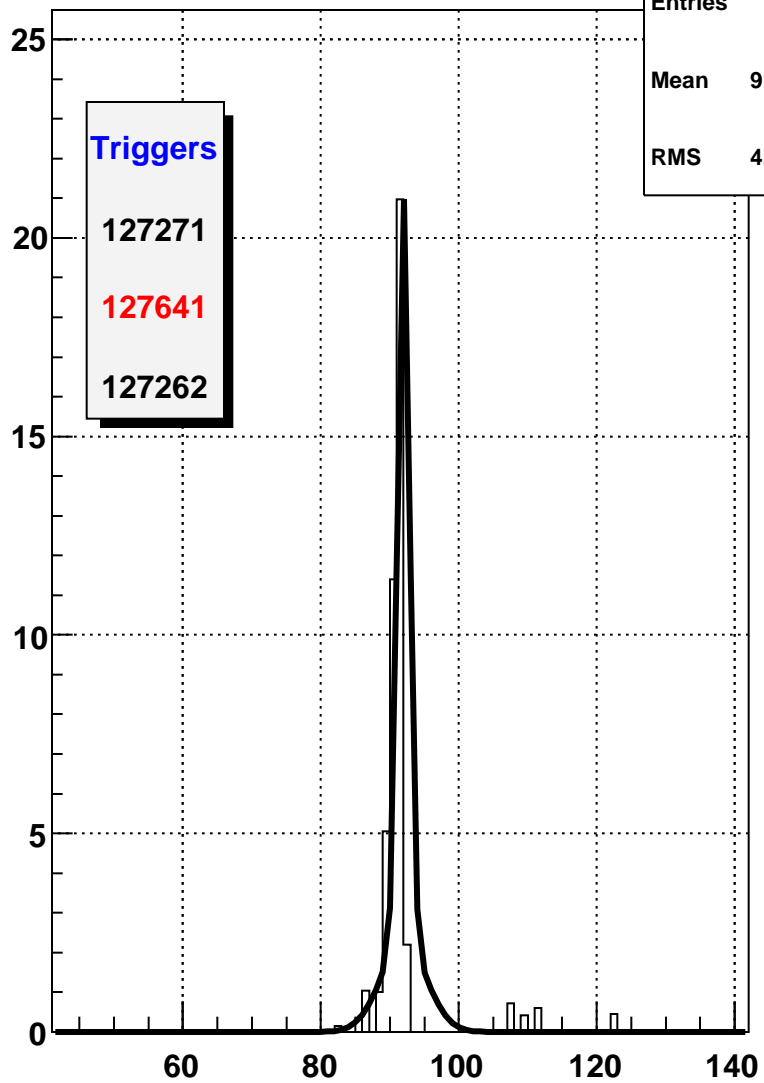
Entries	22
Mean	23.66
RMS	3.739



Run=7099046, Event=13666

**hSmdu**

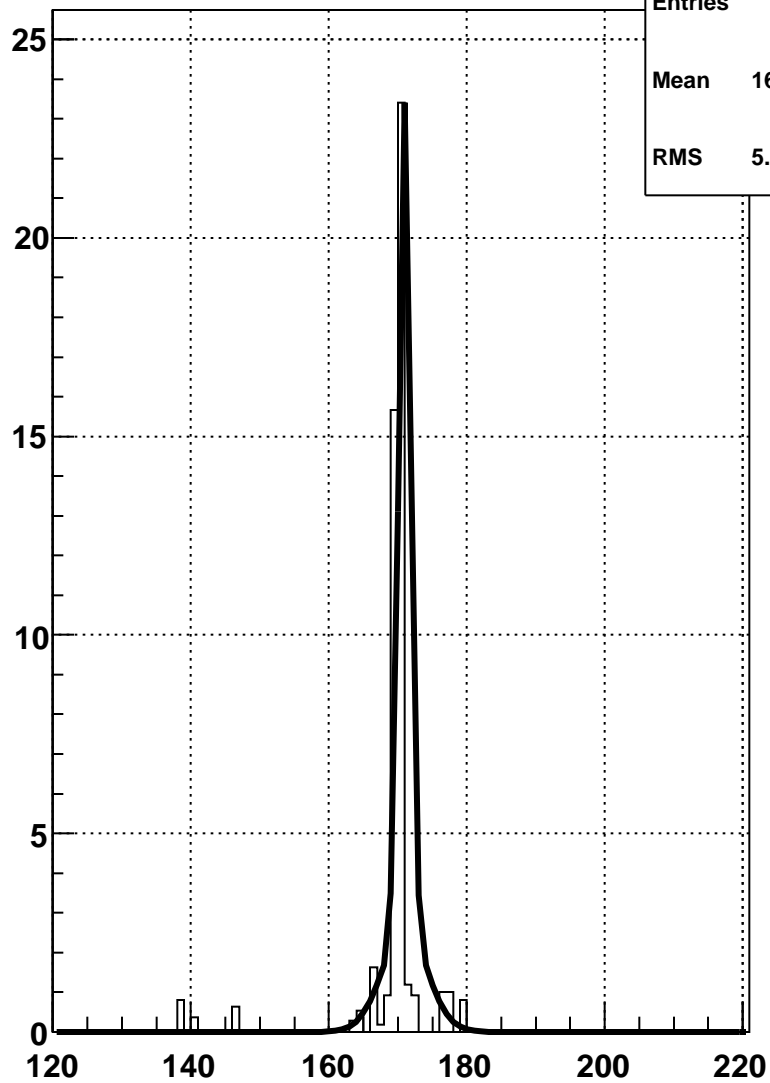
Entries	11
Mean	91.86
RMS	4.908



$p_T=8.6$  GeV,  $E=15.1$  GeV

**hSmdv**

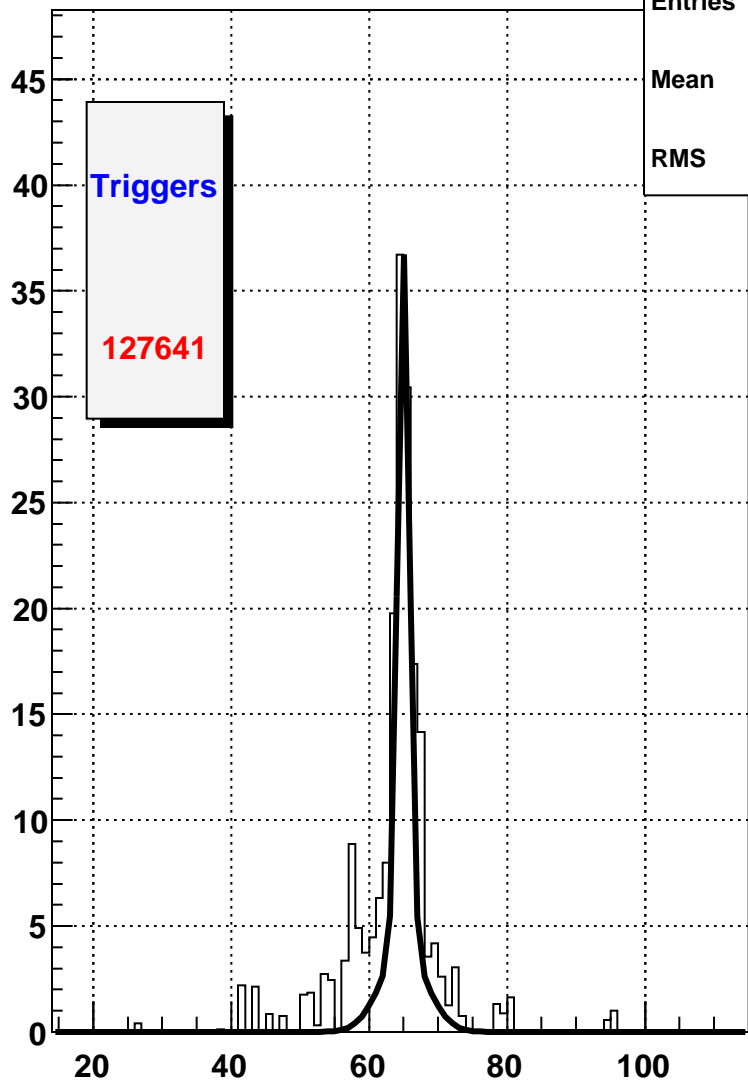
Entries	15
Mean	169.3
RMS	5.865



Run=7099046, Event=13705

**hSmdu**

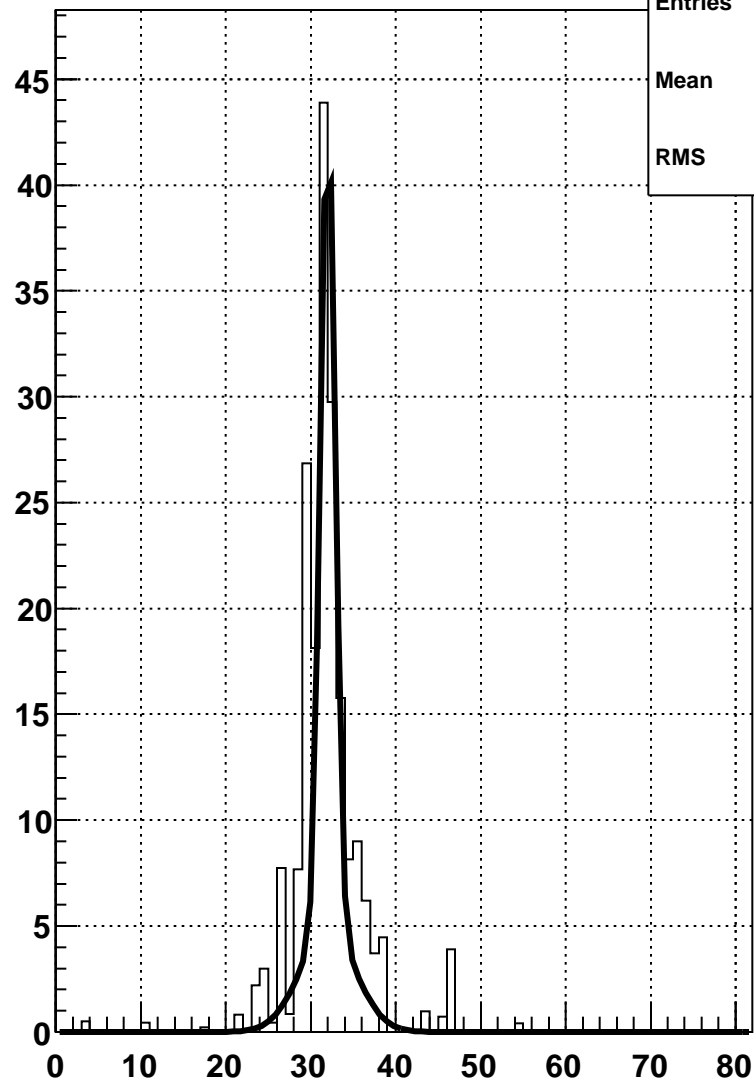
Entries	34
Mean	63.71
RMS	6.681



$p_T=7.5$  GeV,  $E=21.5$  GeV

**hSmdv**

Entries	24
Mean	31.93
RMS	4.267

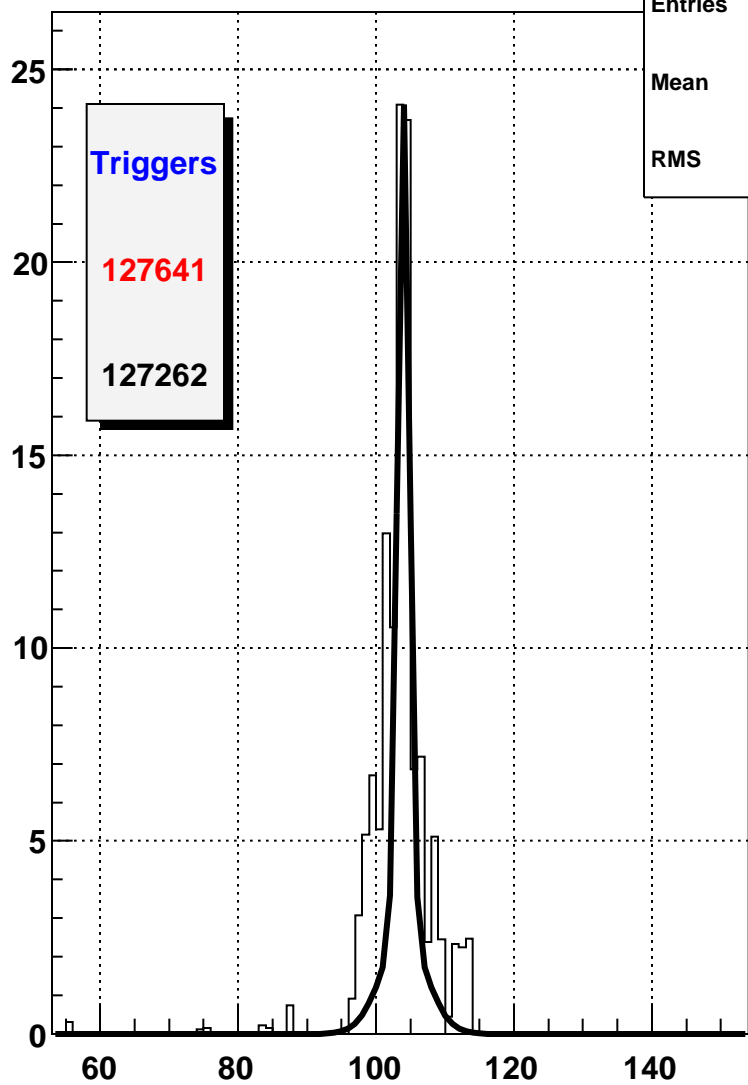




Run=7099046, Event=16342

**hSmdu**

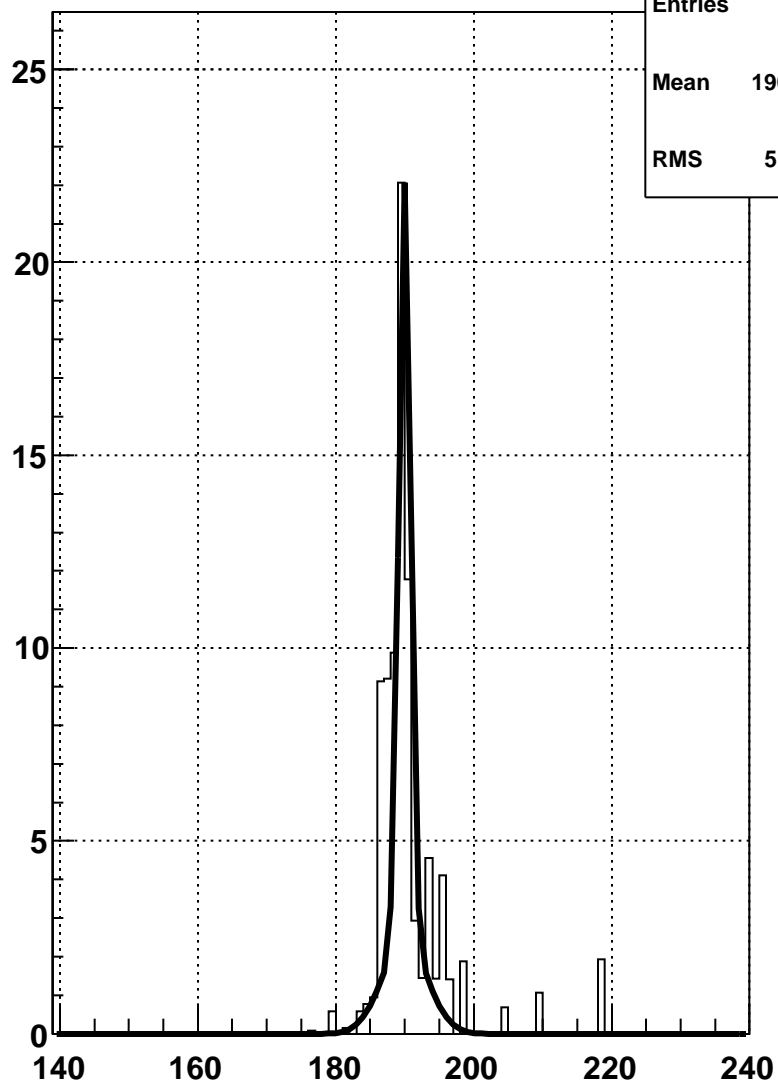
Entries	24
Mean	103.5
RMS	4.659



$p_T=9.6$  GeV,  $E=15.1$  GeV

**hSmdv**

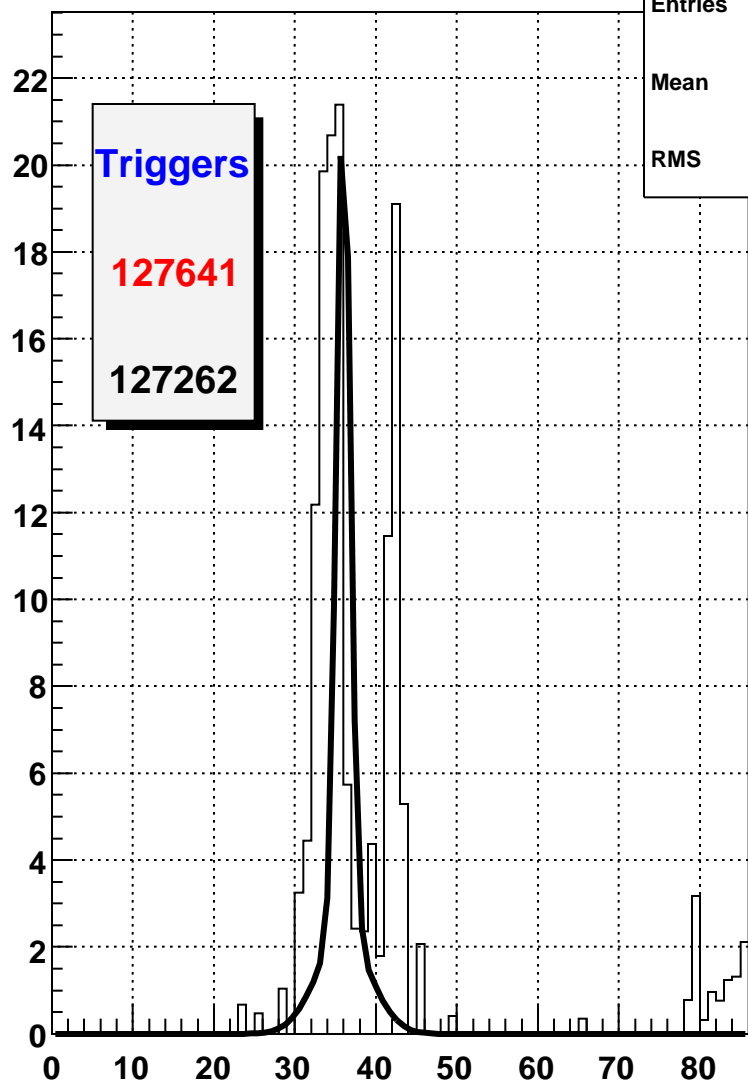
Entries	21
Mean	190.8
RMS	5.73



Run=7099046, Event=20099

**hSmdu**

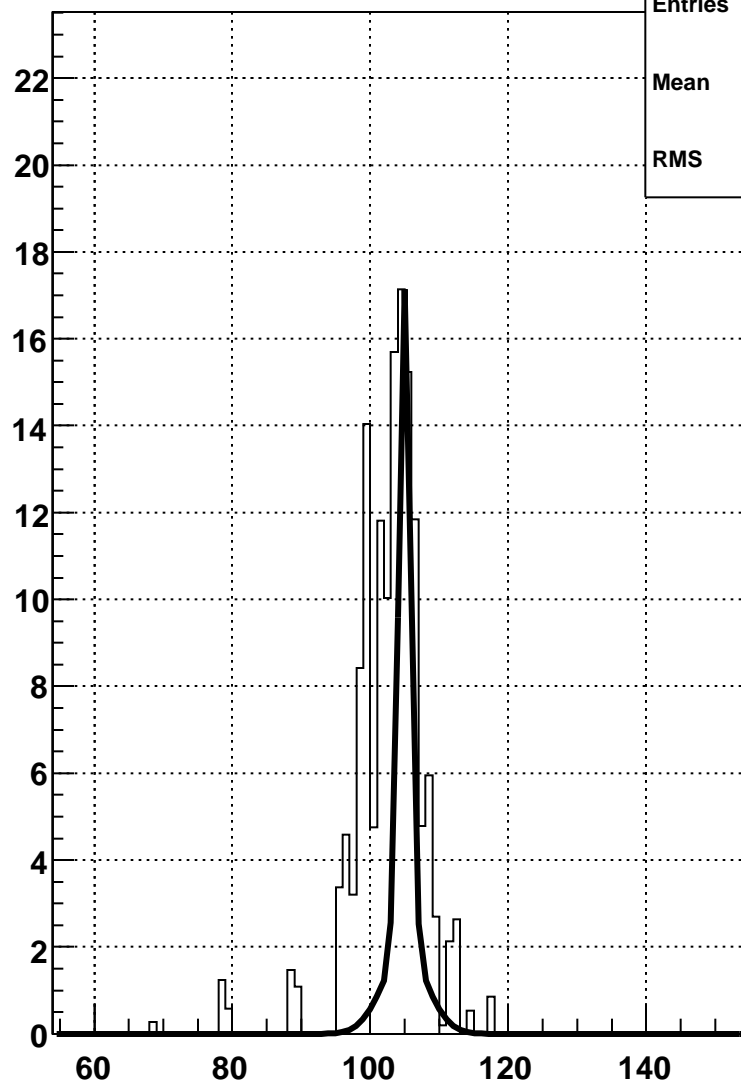
Entries	50
Mean	39.99
RMS	12.46



$p_T=6.0$  GeV,  $E=17.9$  GeV

**hSmdv**

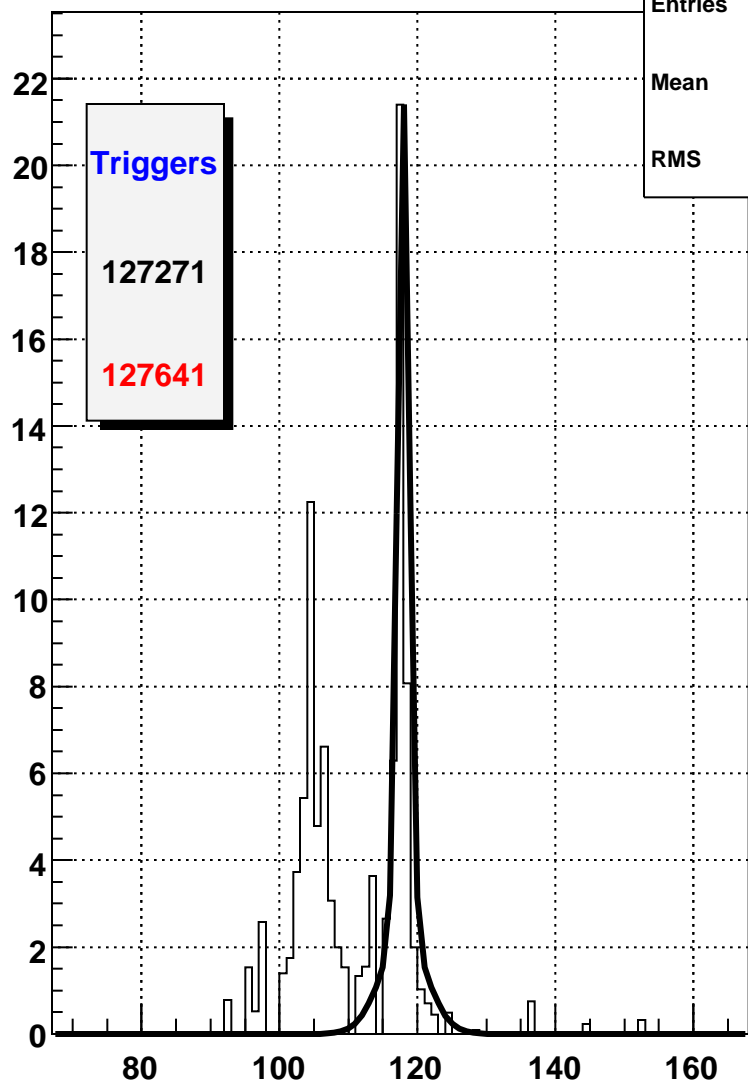
Entries	38
Mean	102.7
RMS	5.326



Run=7099046, Event=74032

**hSmdu**

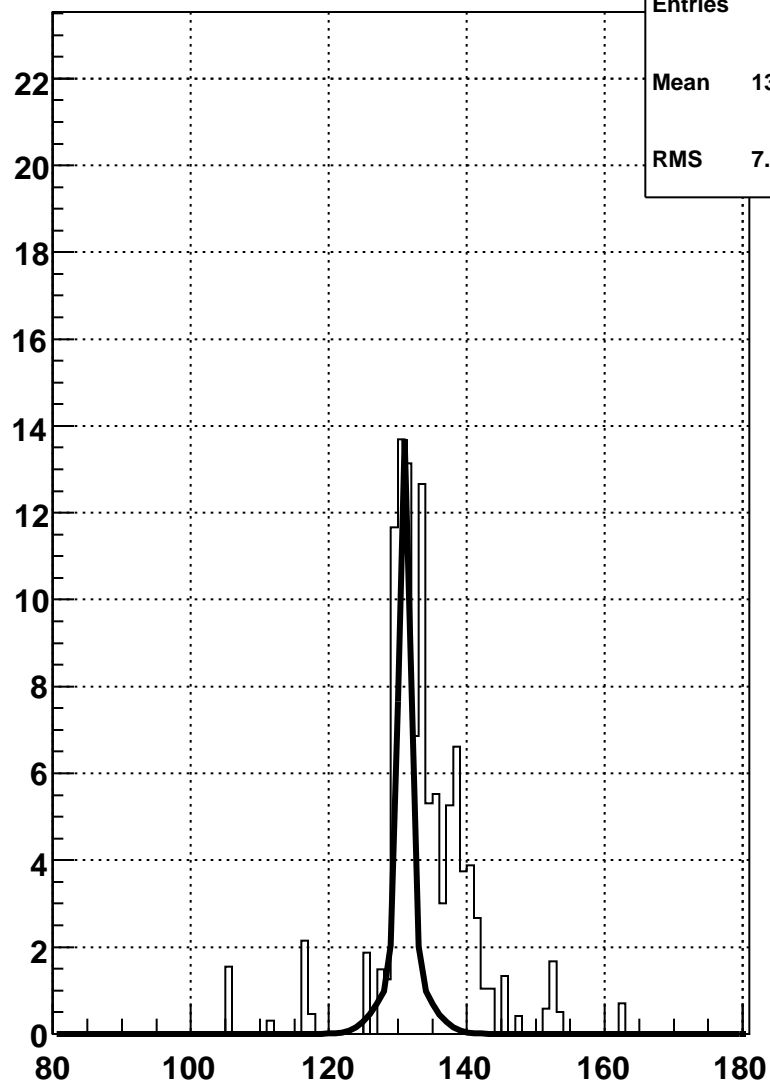
Entries	30
Mean	111.1
RMS	8.013



$p_T=5.5$  GeV,  $E=16.6$  GeV

**hSmdv**

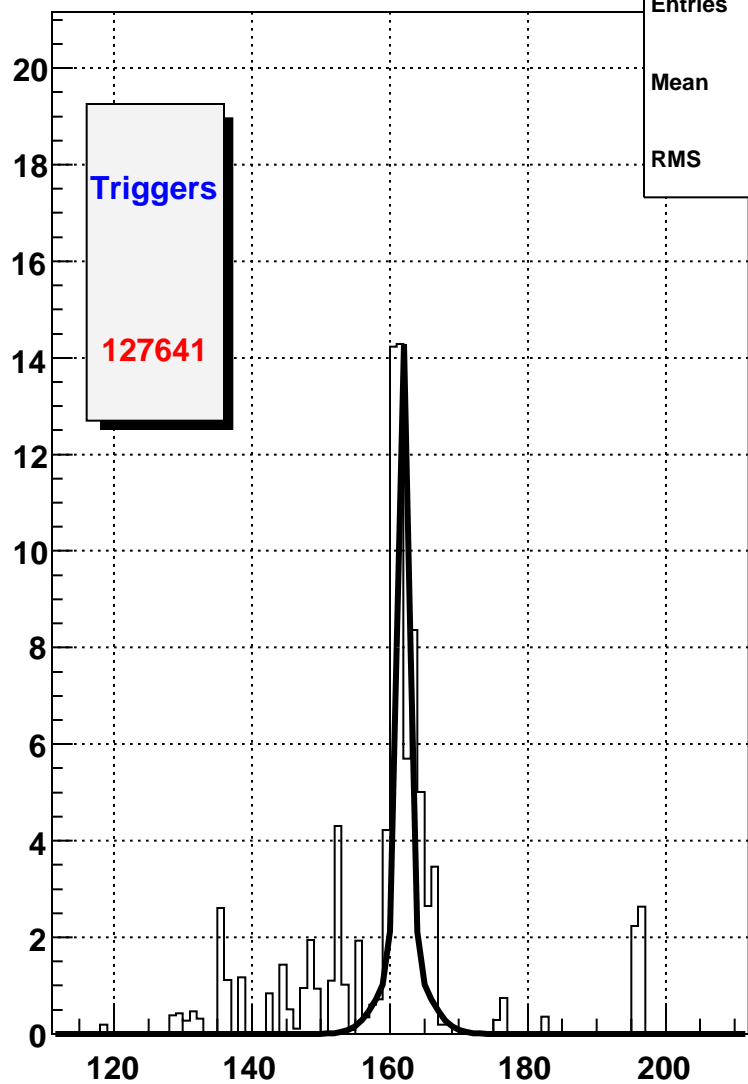
Entries	28
Mean	133.7
RMS	7.065



Run=7099046, Event=47726

**hSmdu**

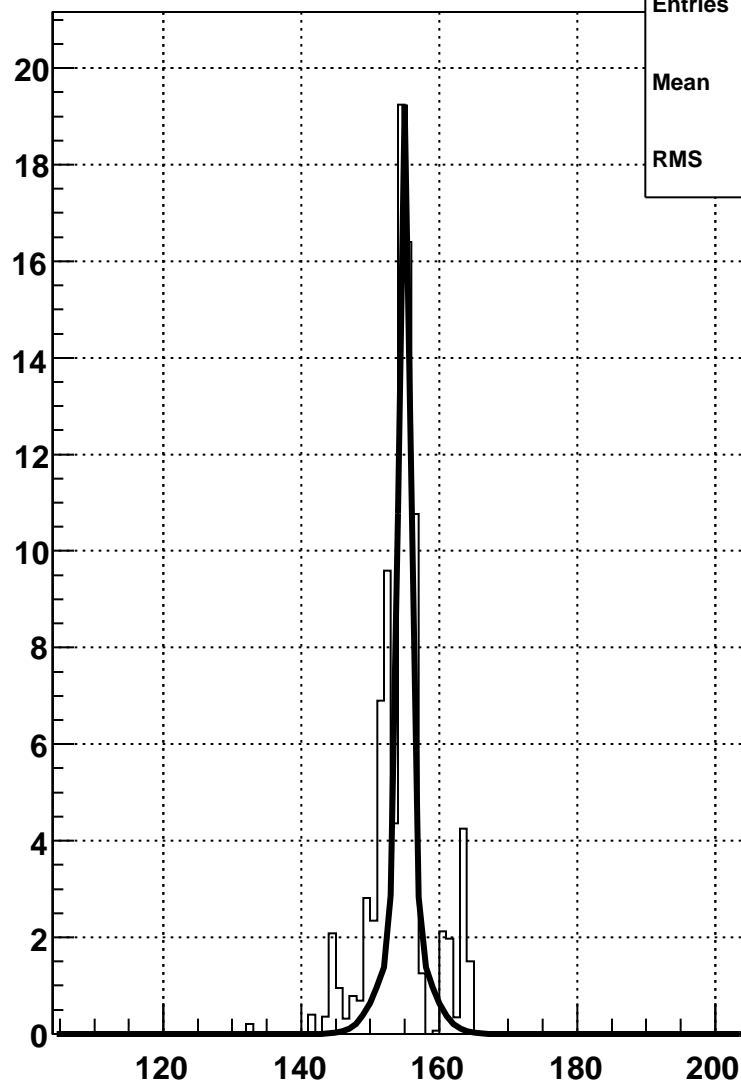
Entries	39
Mean	160
RMS	12.43



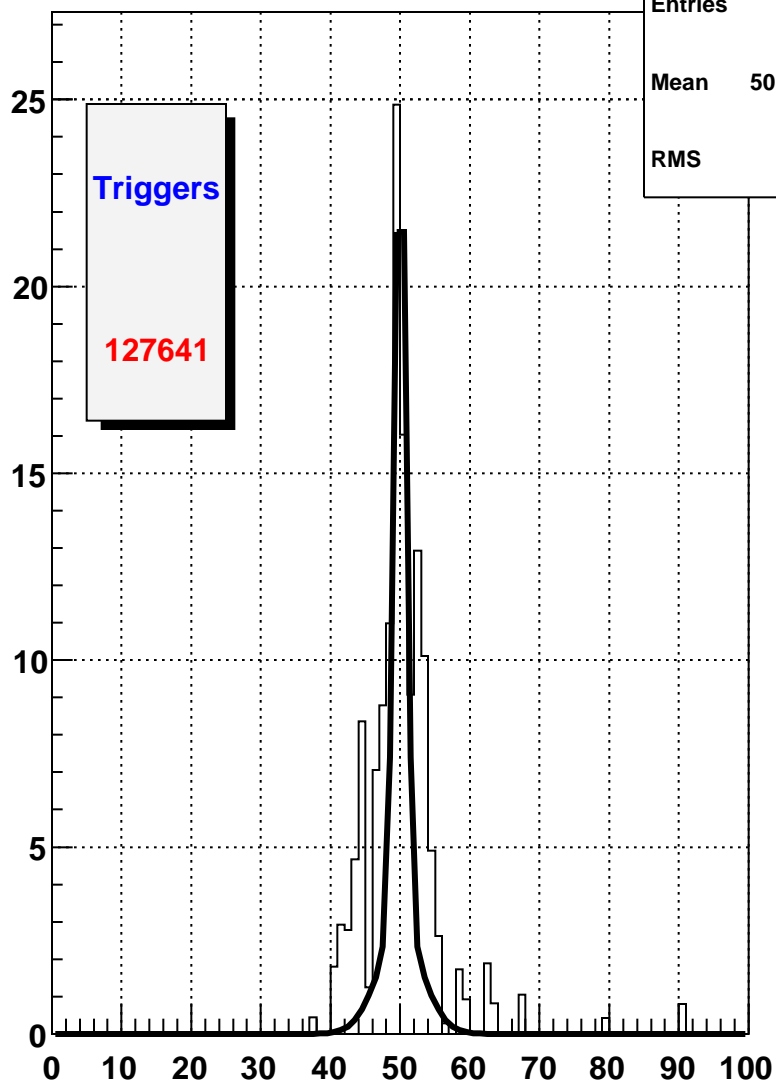
$p_T=5.5$  GeV,  $E=11.5$  GeV

**hSmdv**

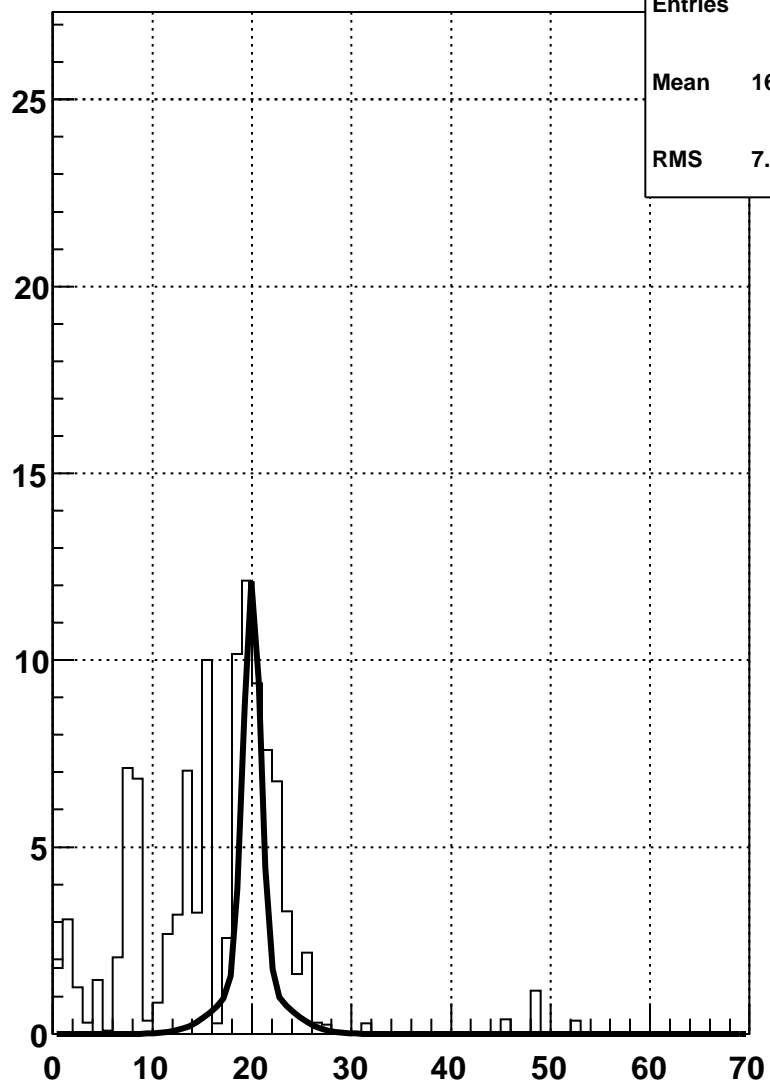
Entries	23
Mean	154.5
RMS	4.164



Run=7099046, Event=49065



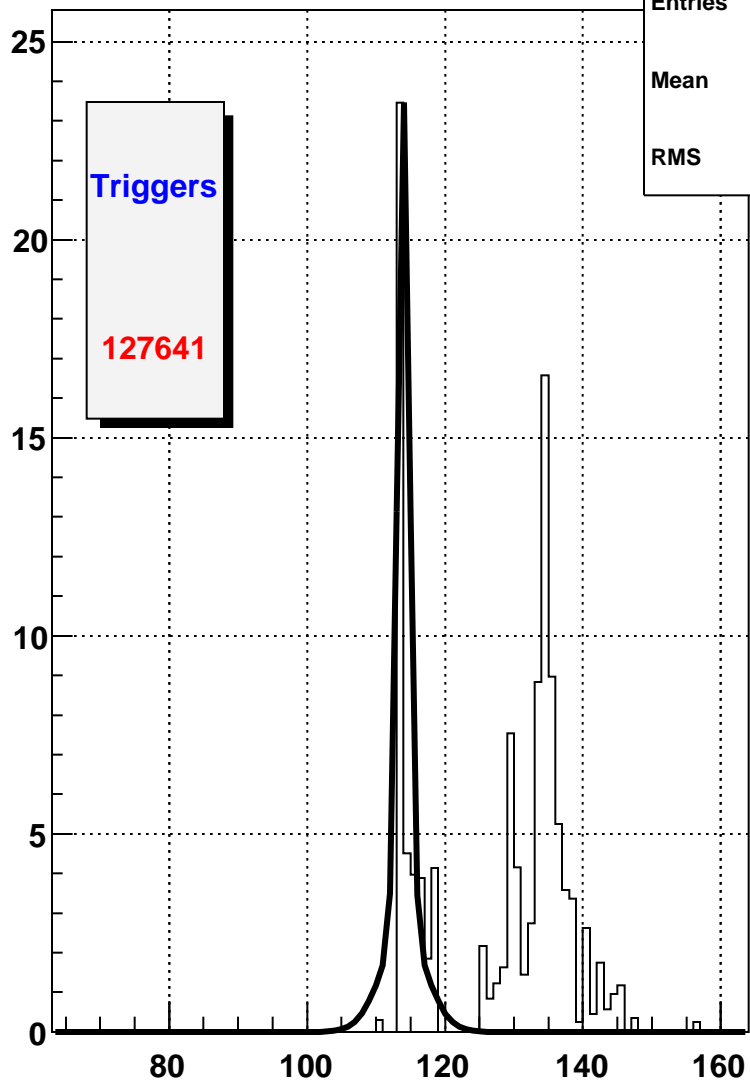
$p_T=5.5$  GeV,  $E=20.6$  GeV



Run=7099046, Event=49353

**hSmdu**

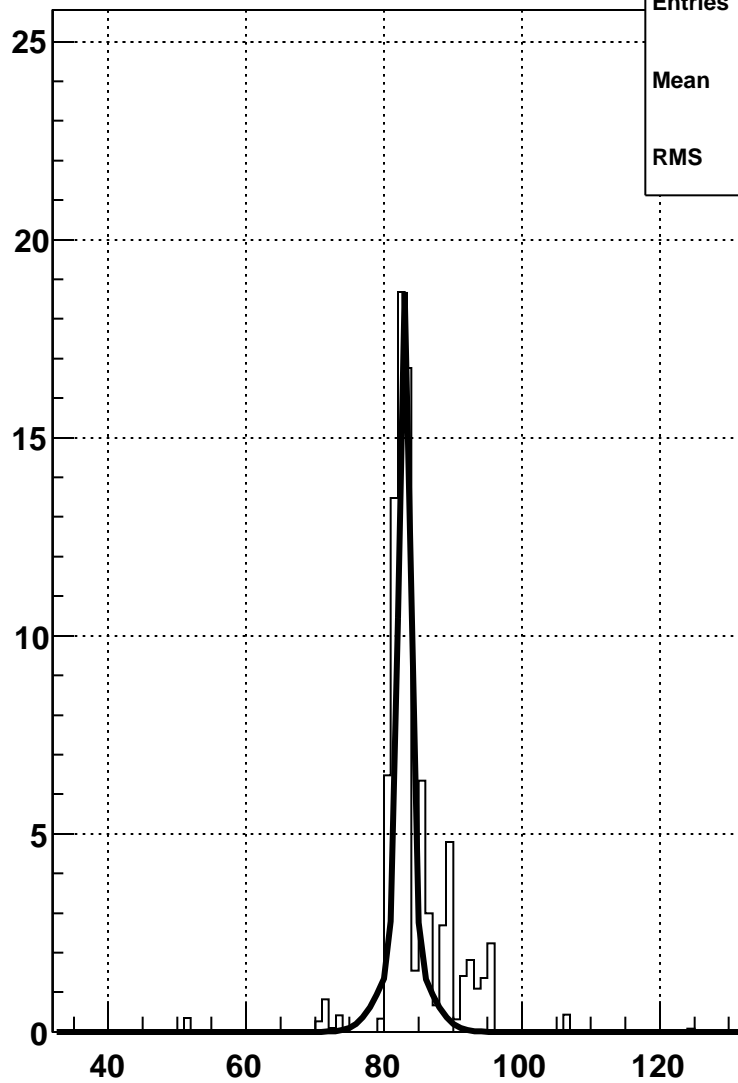
Entries	30
Mean	127.5
RMS	10.13



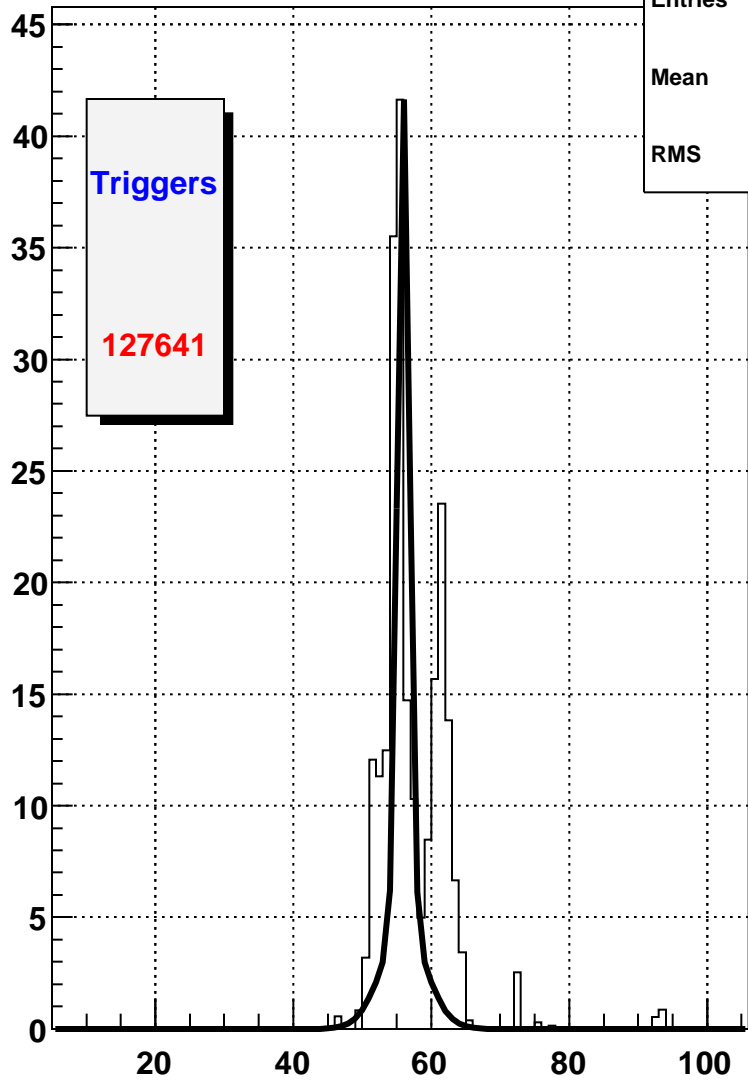
$p_T=6.2$  GeV,  $E=10.9$  GeV

**hSmdv**

Entries	24
Mean	84.29
RMS	5.065



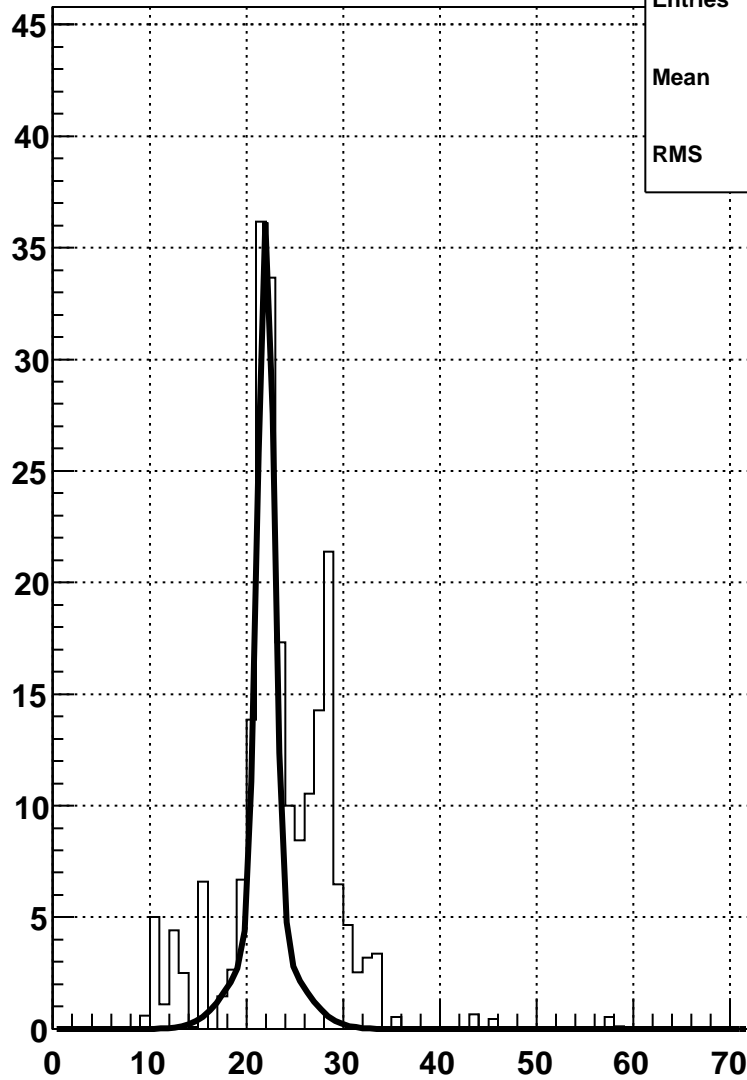
Run=7099046, Event=52875



**hSmdu**

Entries	25
Mean	57.41
RMS	5.005

$p_T=5.0$  GeV,  $E=20.7$  GeV



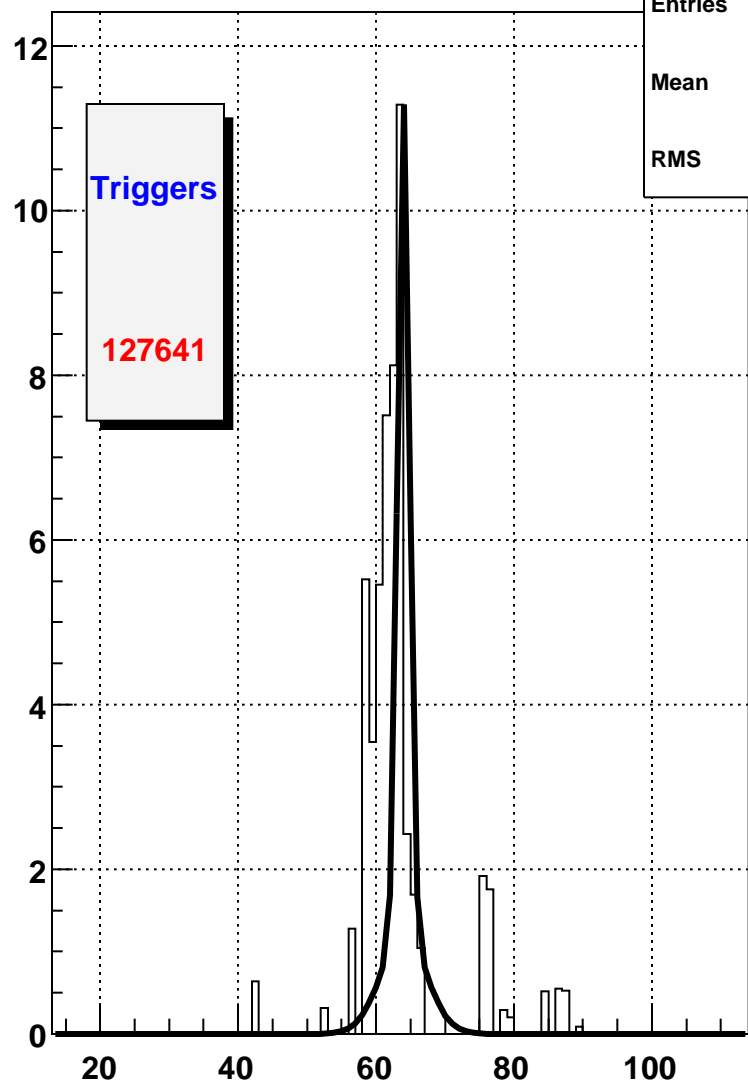
**hSmdv**

Entries	29
Mean	23.58
RMS	5.345

Run=7099046, Event=61318

**hSmdu**

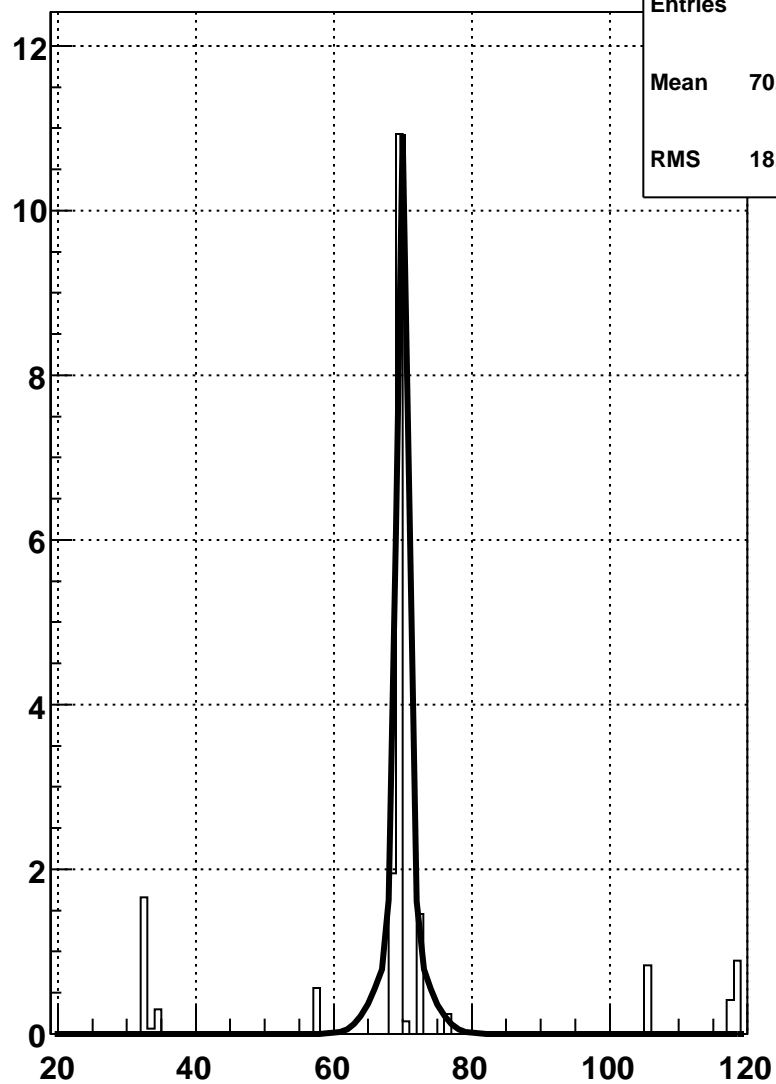
Entries	38
Mean	63.38
RMS	6.414



$p_T=5.2$  GeV,  $E=12.9$  GeV

**hSmdv**

Entries	34
Mean	70.37
RMS	18.94

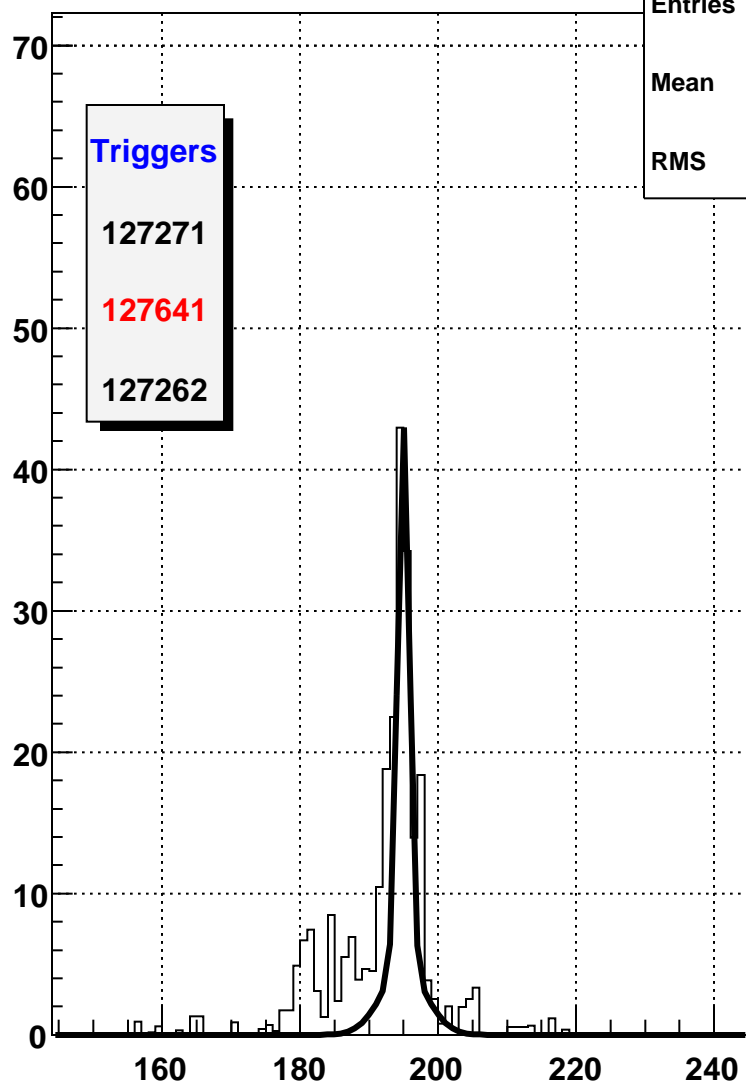




Run=7099047, Event=141939

**hSmdu**

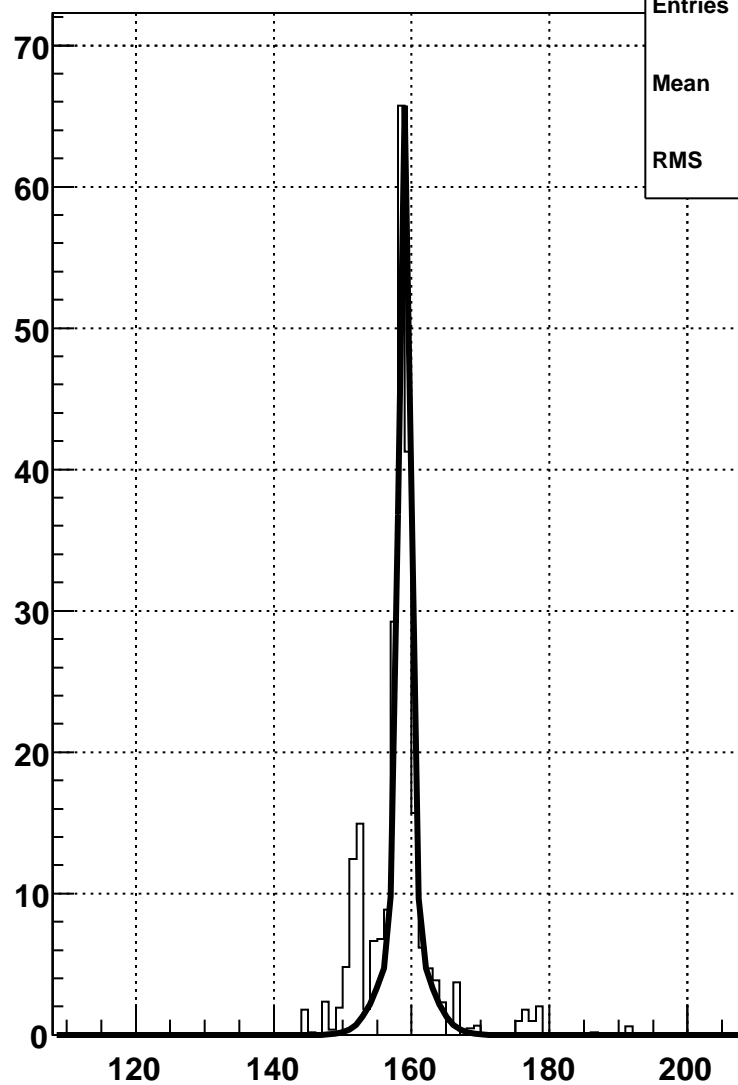
Entries	48
Mean	192.1
RMS	7.691



$p_T=13.2$  GeV,  $E=29.7$  GeV

**hSmdv**

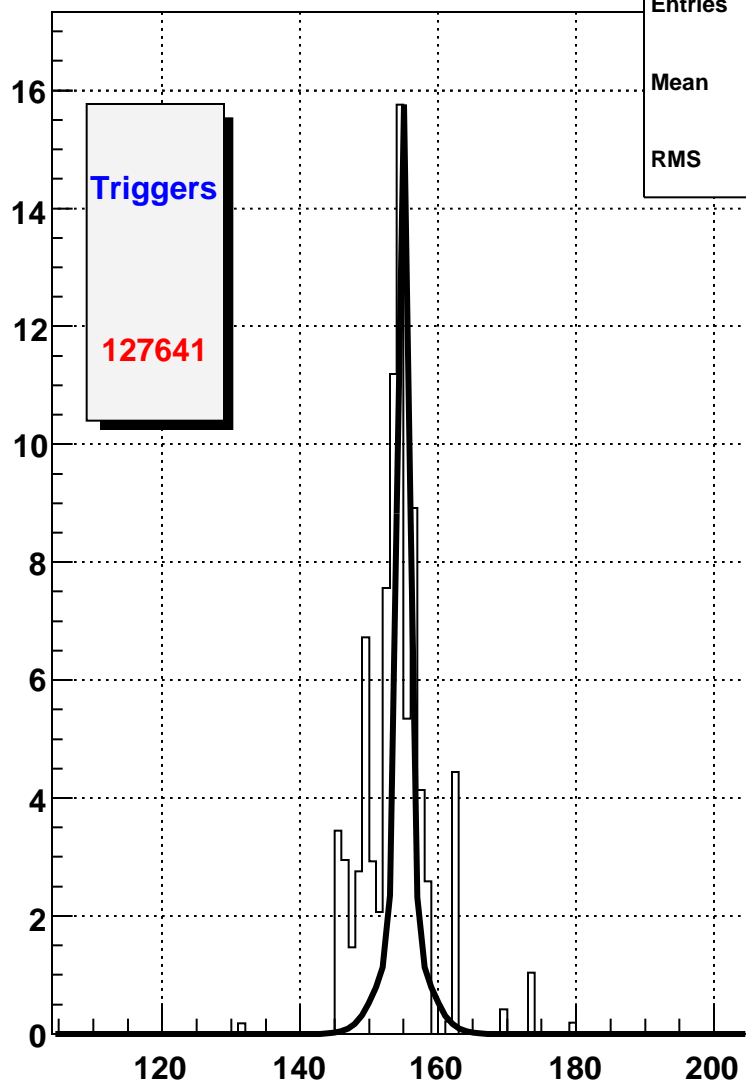
Entries	31
Mean	158.2
RMS	5.065



Run=7099047, Event=141979

**hSmdu**

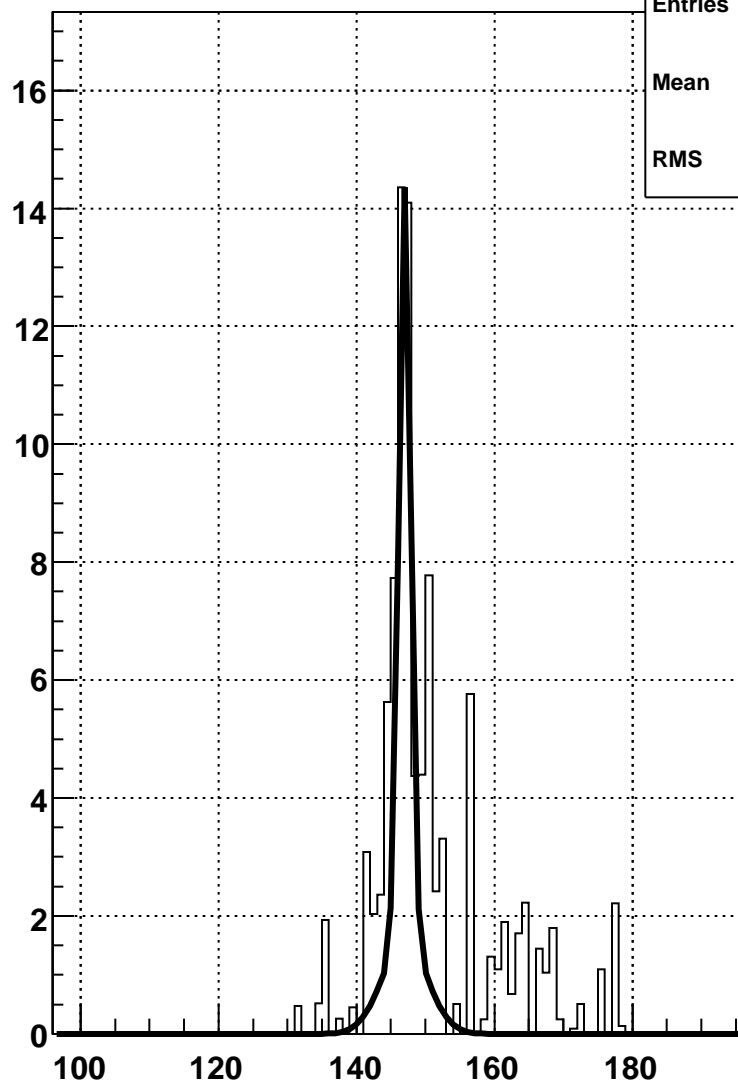
Entries	20
Mean	153.9
RMS	4.843



$p_T=5.4$  GeV,  $E=9.5$  GeV

**hSmdv**

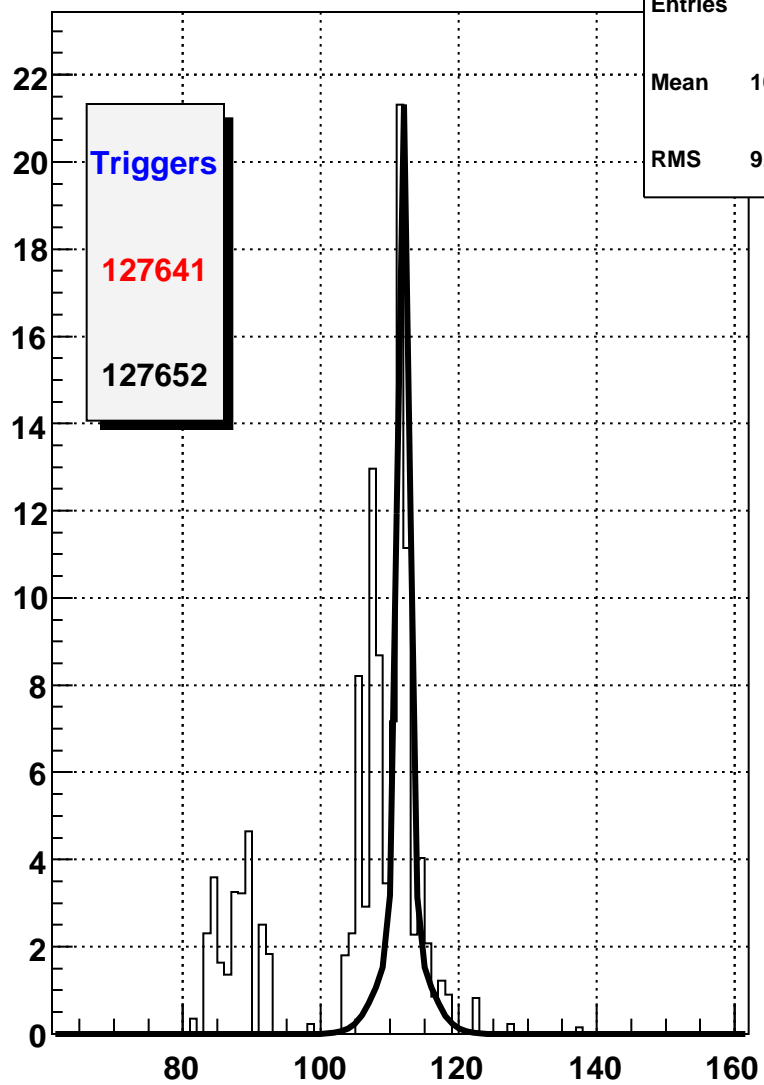
Entries	35
Mean	150.8
RMS	8.772



Run=7099047, Event=143538

**hSmdu**

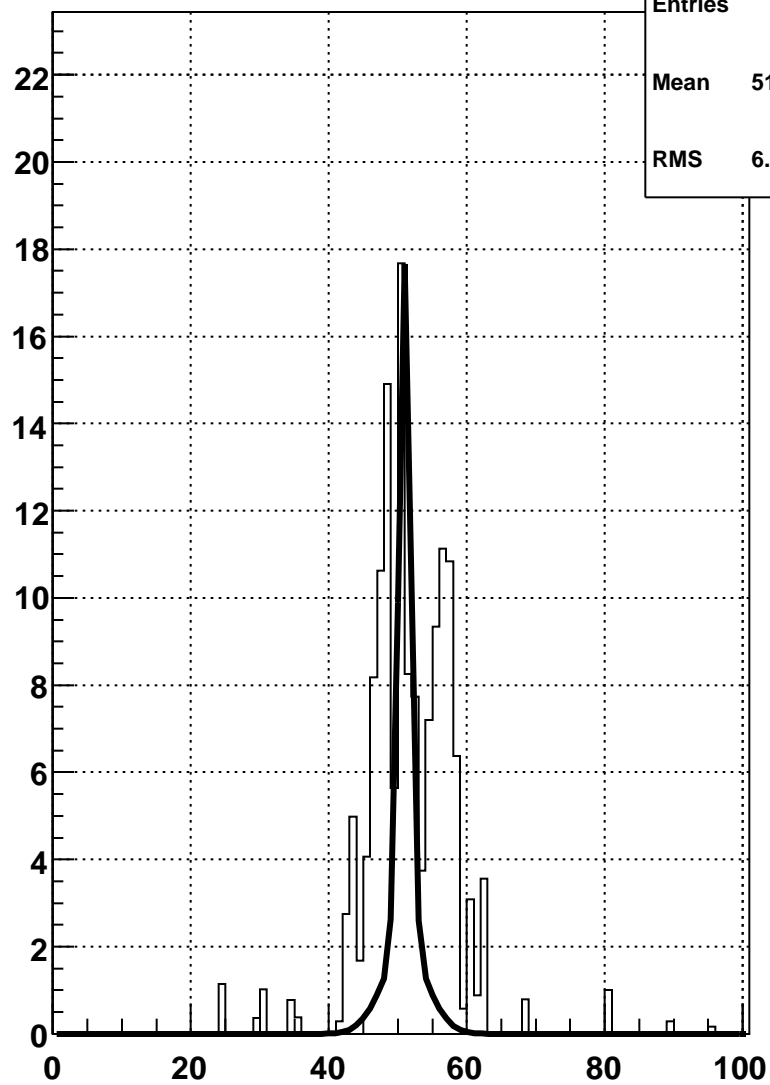
Entries	33
Mean	105.5
RMS	9.824



$p_T=5.0$  GeV,  $E=13.0$  GeV

**hSmdv**

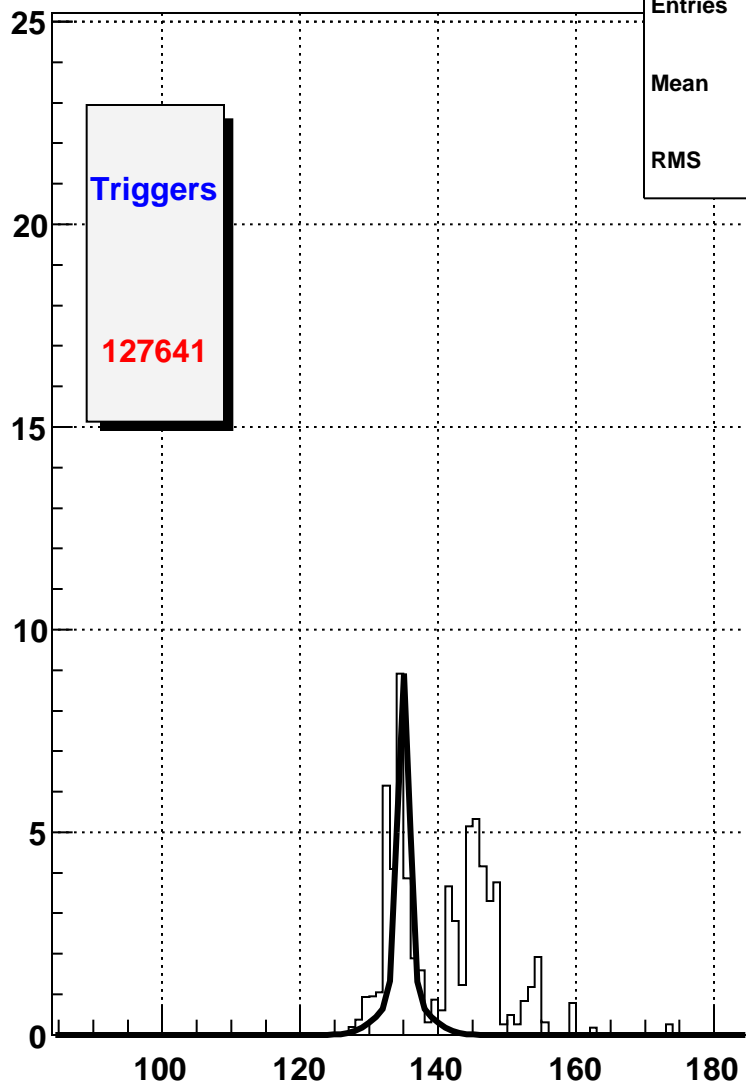
Entries	40
Mean	51.77
RMS	6.812



Run=7099047, Event=143696

**hSmdu**

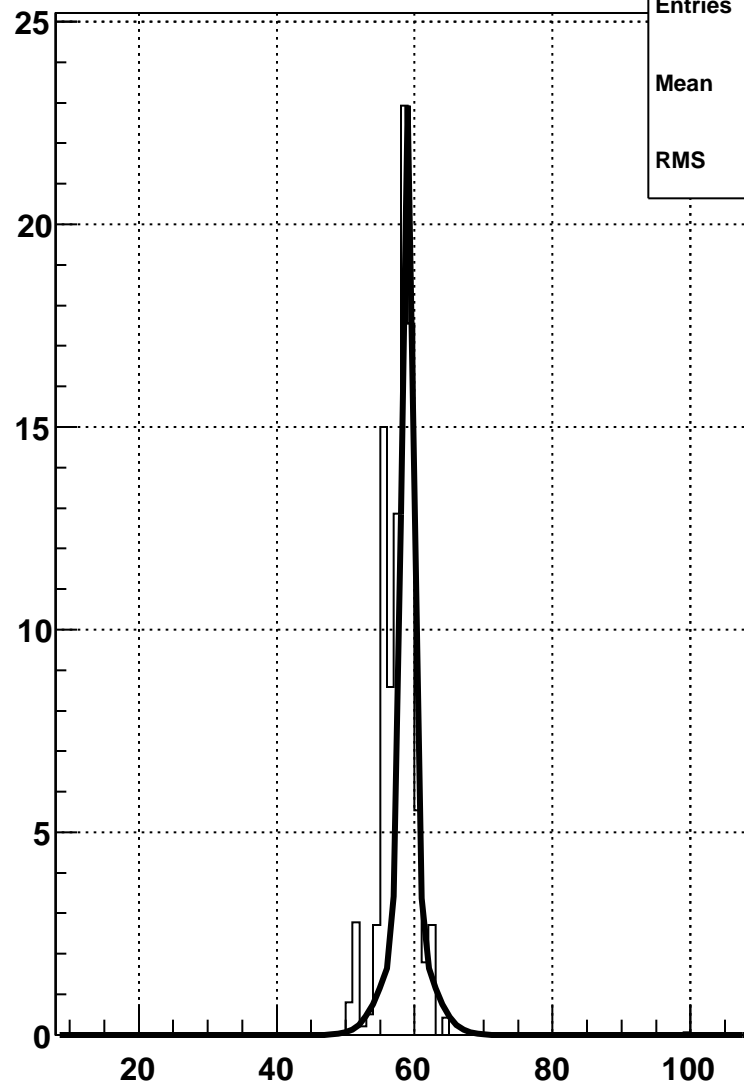
Entries	33
Mean	141
RMS	7.427



$p_T=5.1$  GeV,  $E=12.2$  GeV

**hSmdv**

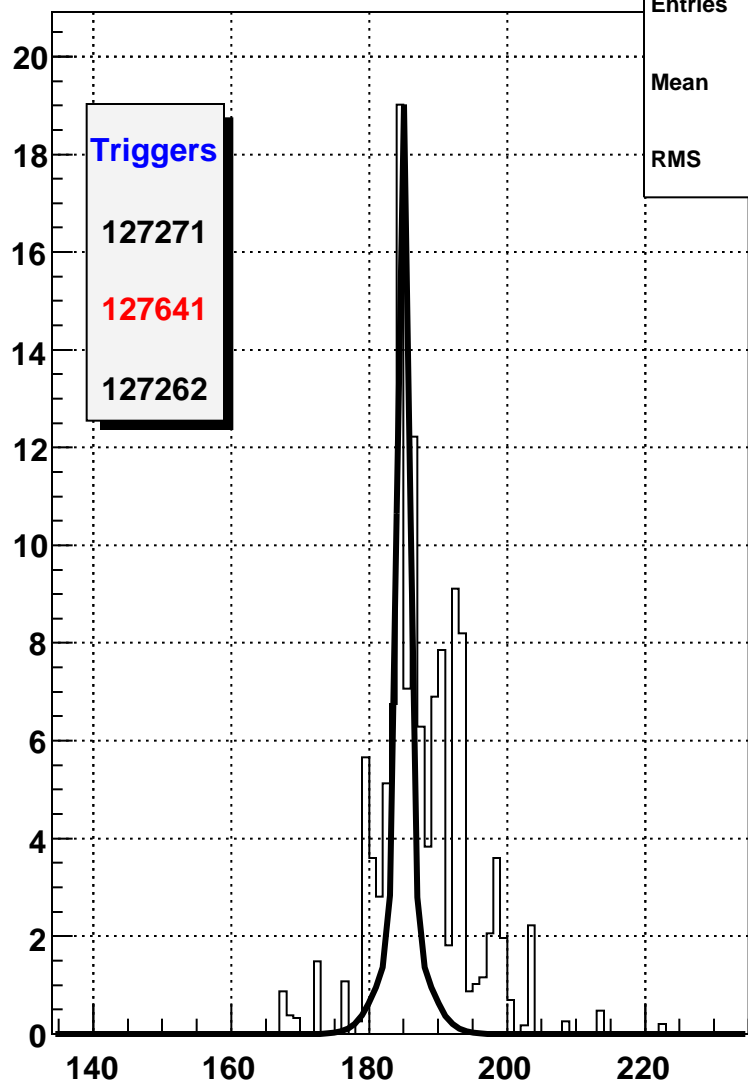
Entries	36
Mean	57.8
RMS	2.523



Run=7099047, Event=144210

**hSmdu**

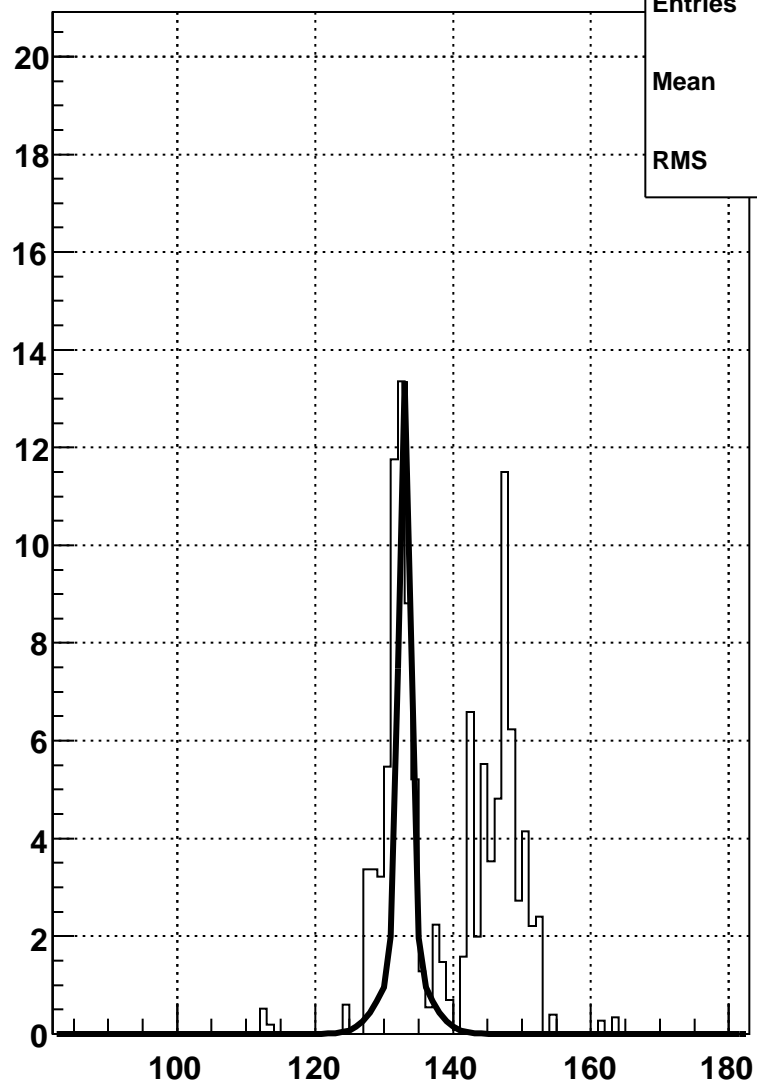
Entries	33
Mean	187.8
RMS	6.526



$p_T=5.4$  GeV,  $E=10.6$  GeV

**hSmdv**

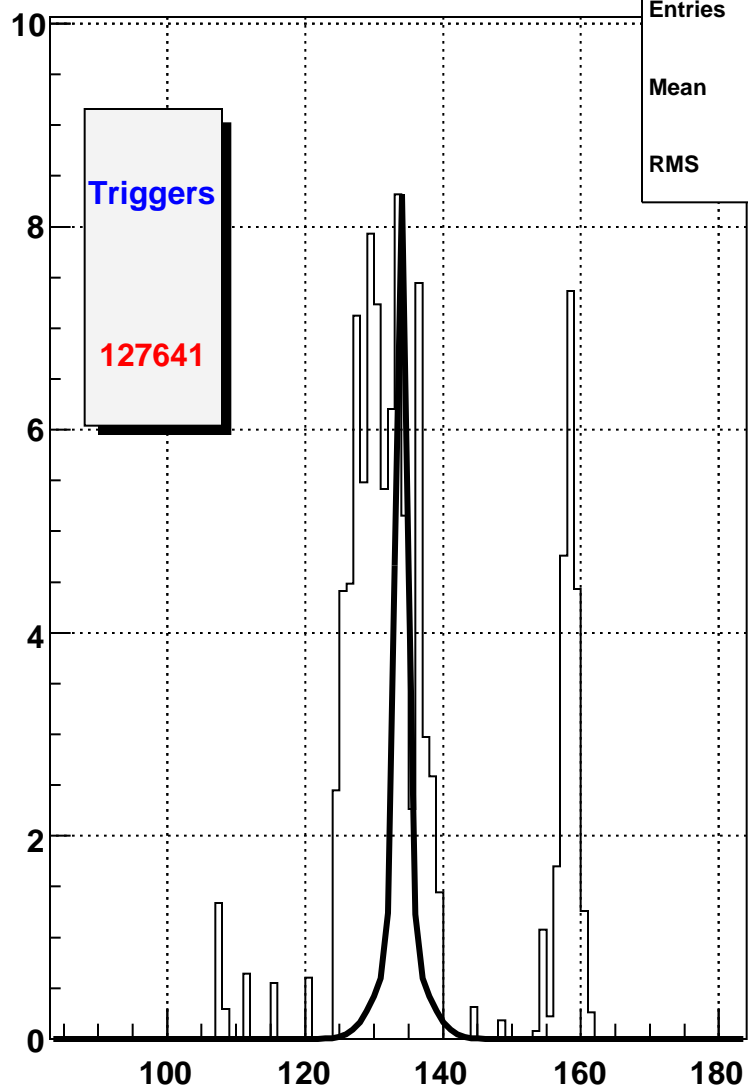
Entries	32
Mean	139
RMS	8.24



Run=7099047, Event=12284

**hSmdu**

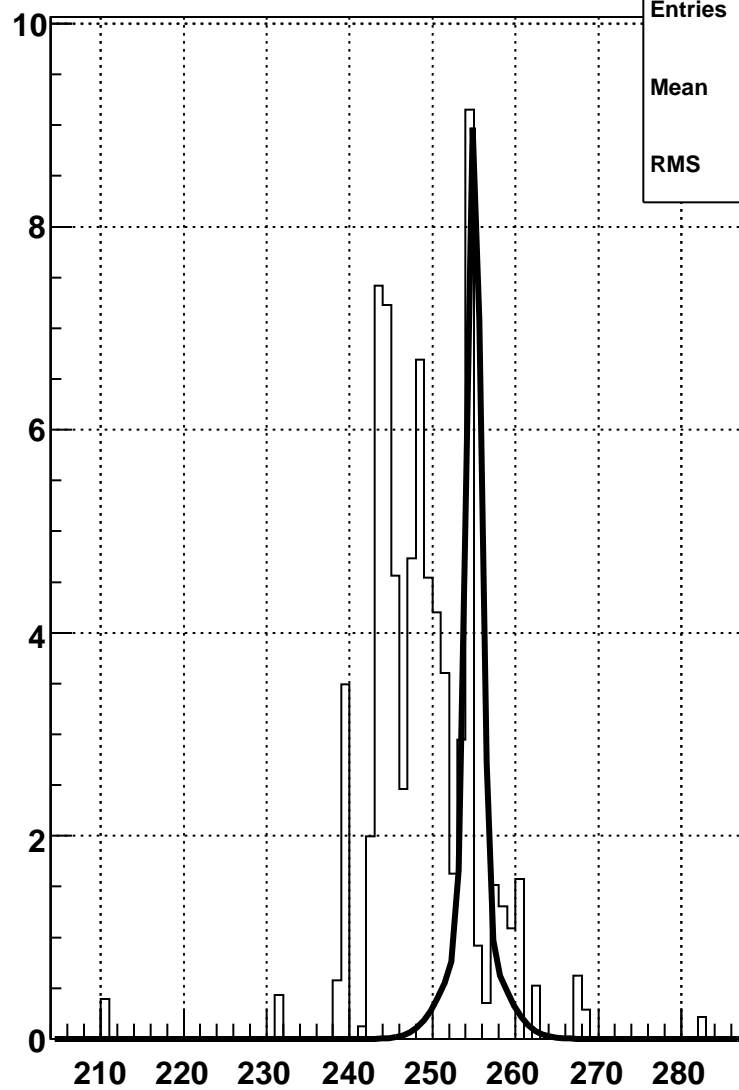
Entries	32
Mean	136.2
RMS	12.09



$p_T=6.5$  GeV,  $E=9.3$  GeV

**hSmdv**

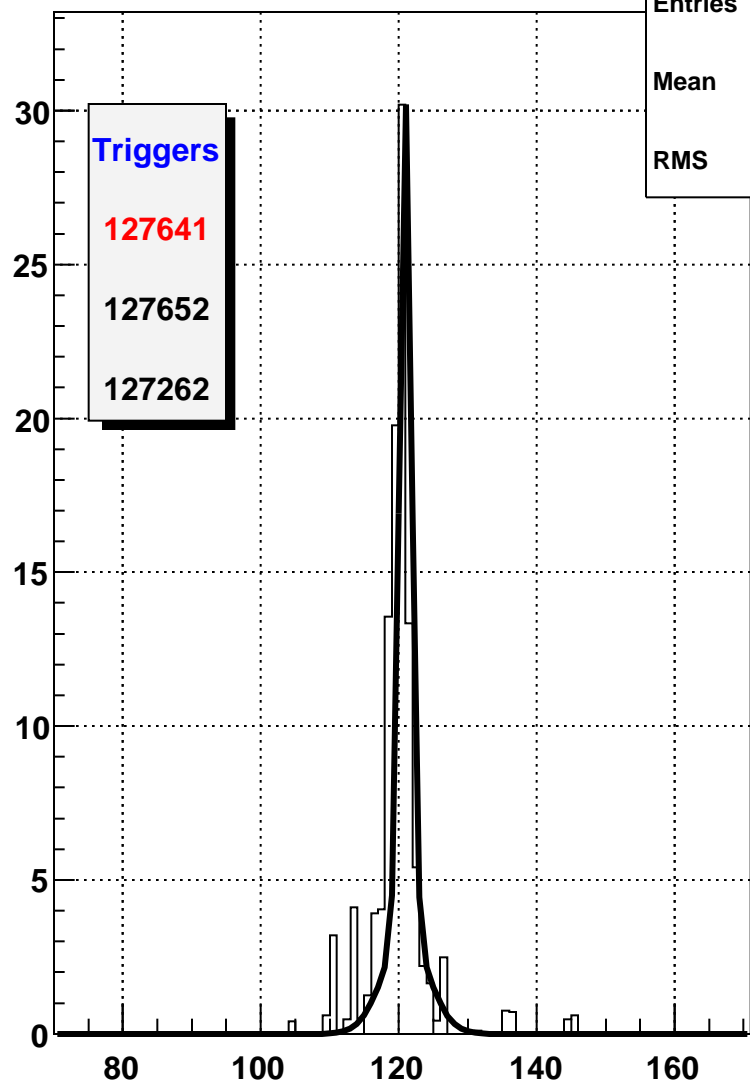
Entries	28
Mean	249
RMS	6.653



Run=7099047, Event=13311

**hSmdu**

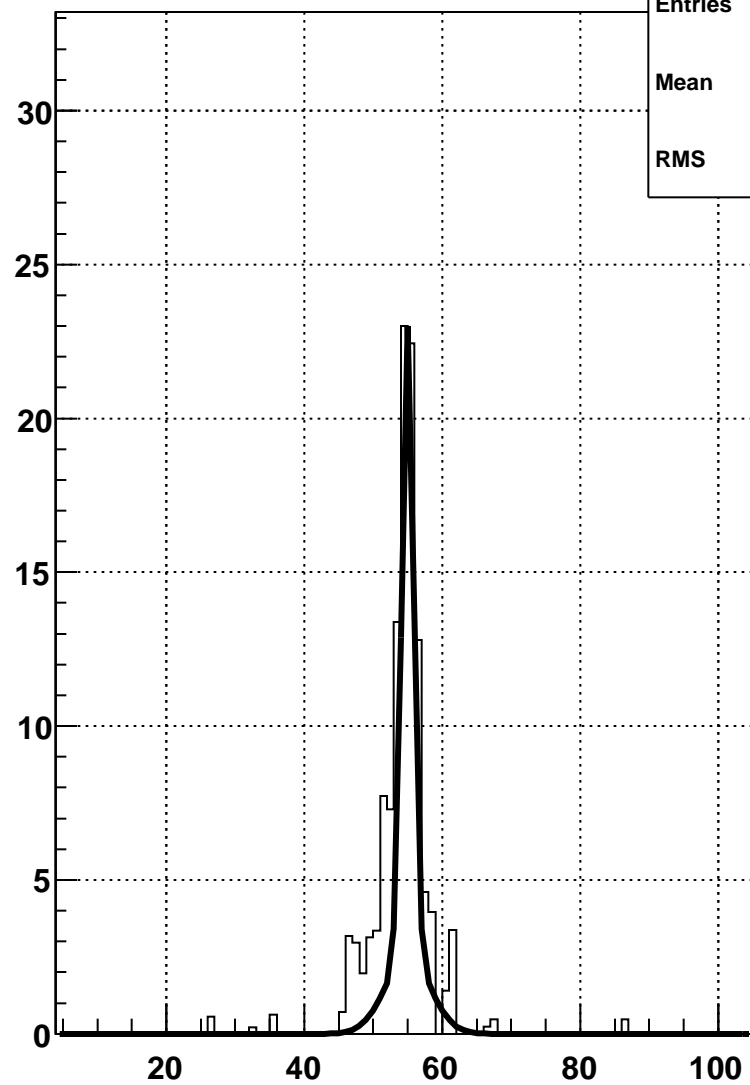
Entries	23
Mean	120
RMS	4.381



$p_T=6.3$  GeV,  $E=15.8$  GeV

**hSmdv**

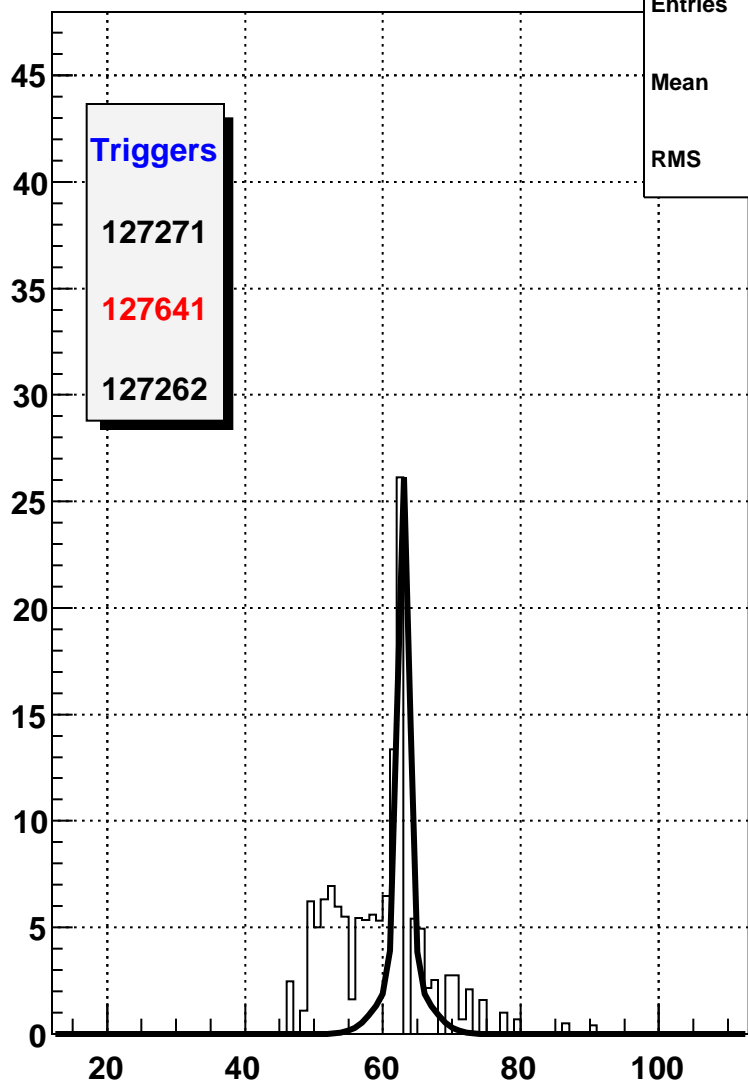
Entries	22
Mean	54.13
RMS	4.578



Run=7099047, Event=13780

**hSmdu**

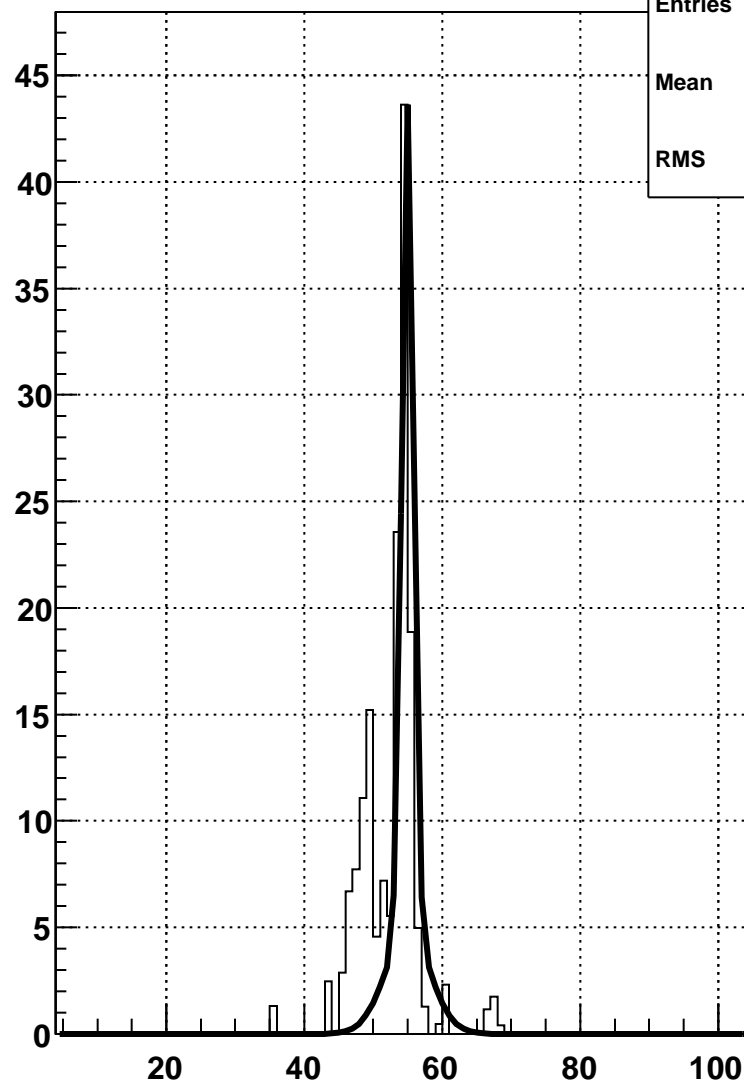
Entries	29
Mean	59.69
RMS	6.86



$p_T=6.2$  GeV,  $E=22.1$  GeV

**hSmdv**

Entries	20
Mean	52.59
RMS	4.186

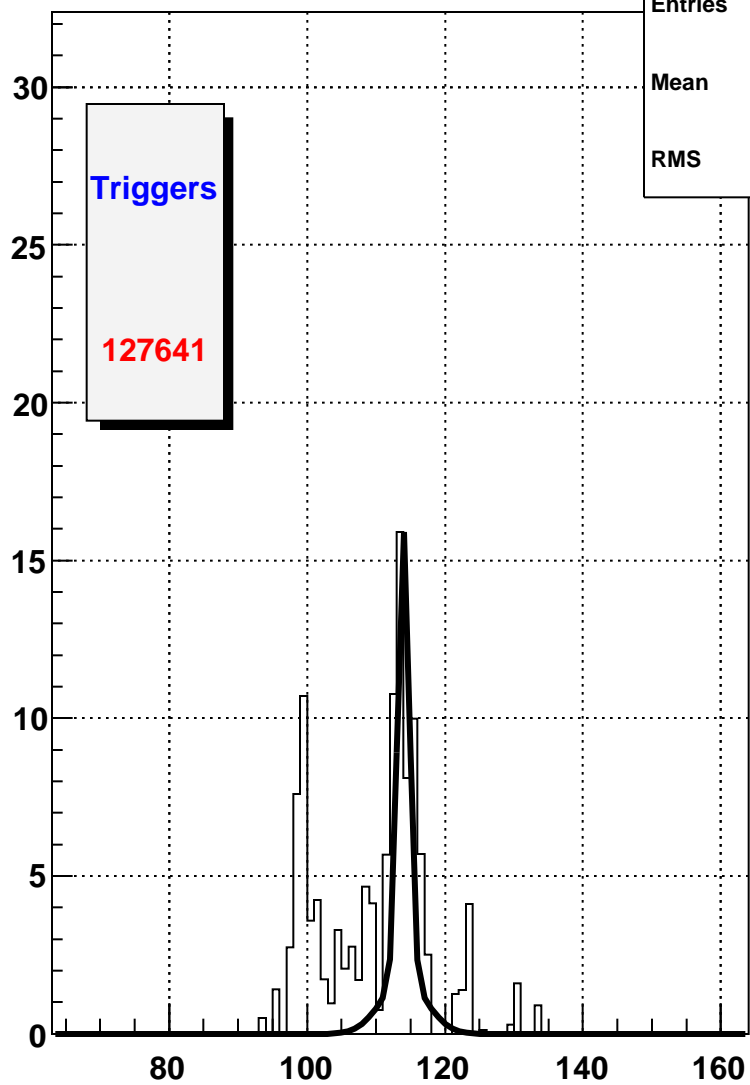




Run=7099047, Event=14035

**hSmdu**

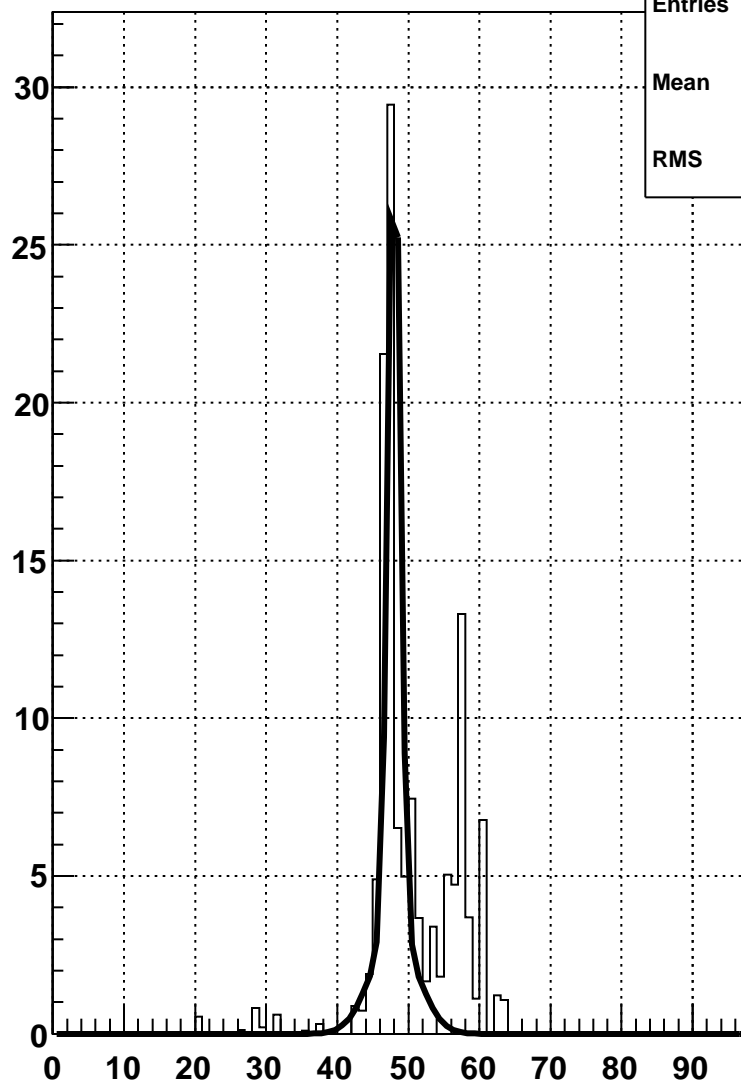
Entries	30
Mean	109.9
RMS	7.905



$p_T=5.1$  GeV,  $E=13.6$  GeV

**hSmdv**

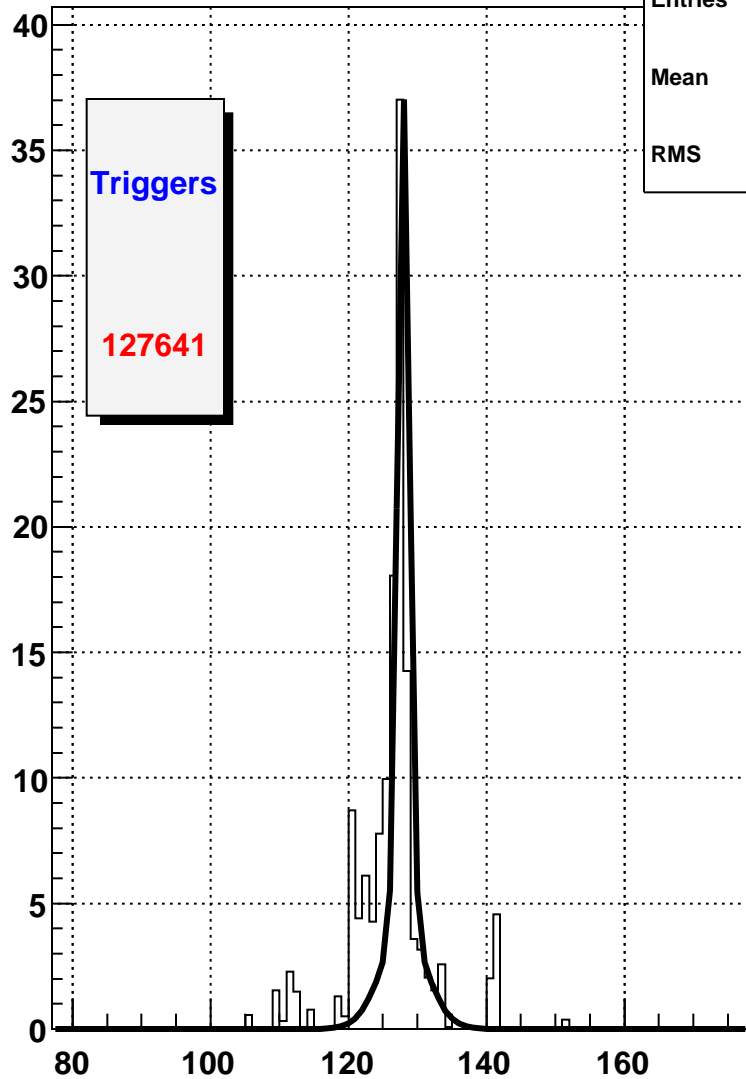
Entries	28
Mean	50.56
RMS	6.022



Run=7099047, Event=132531

**hSmdu**

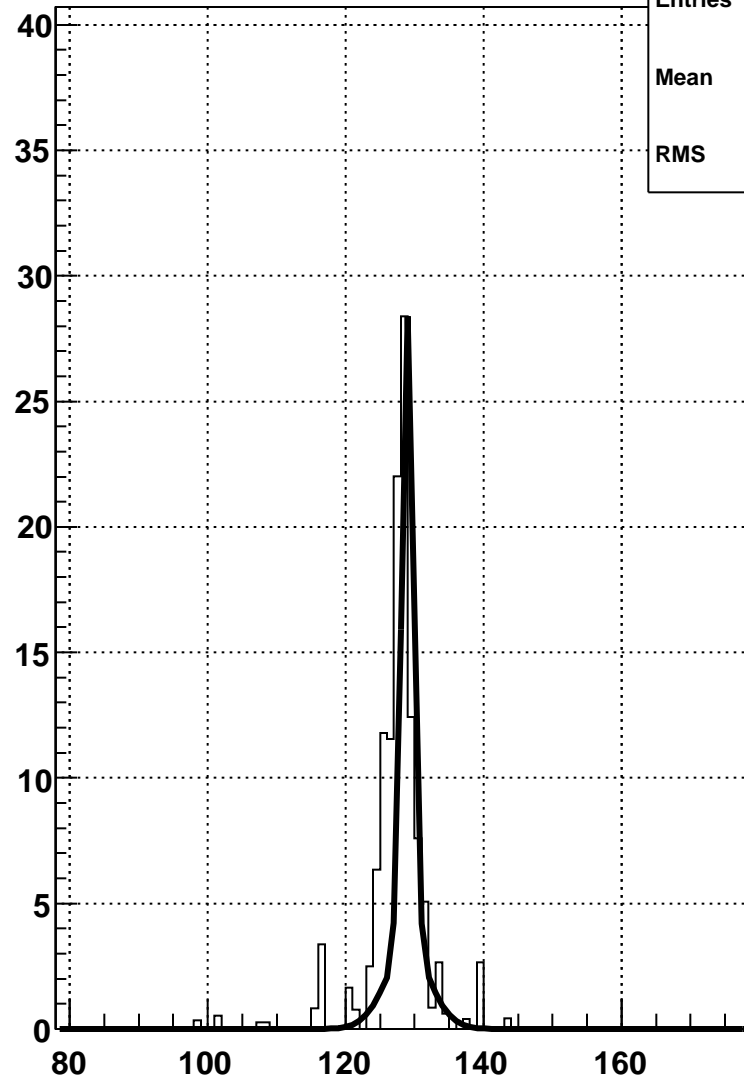
Entries	36
Mean	126.3
RMS	5.676



$p_T=5.3$  GeV,  $E=16.9$  GeV

**hSmdv**

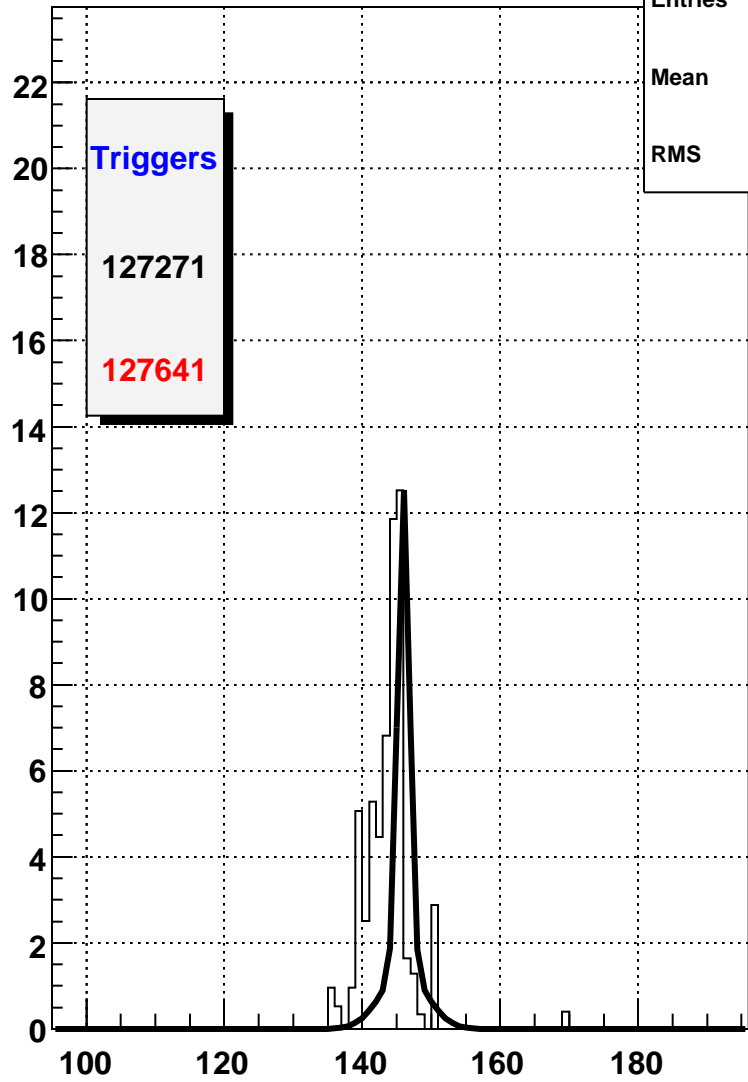
Entries	36
Mean	127.5
RMS	4.547



Run=7099047, Event=132580

**hSmdu**

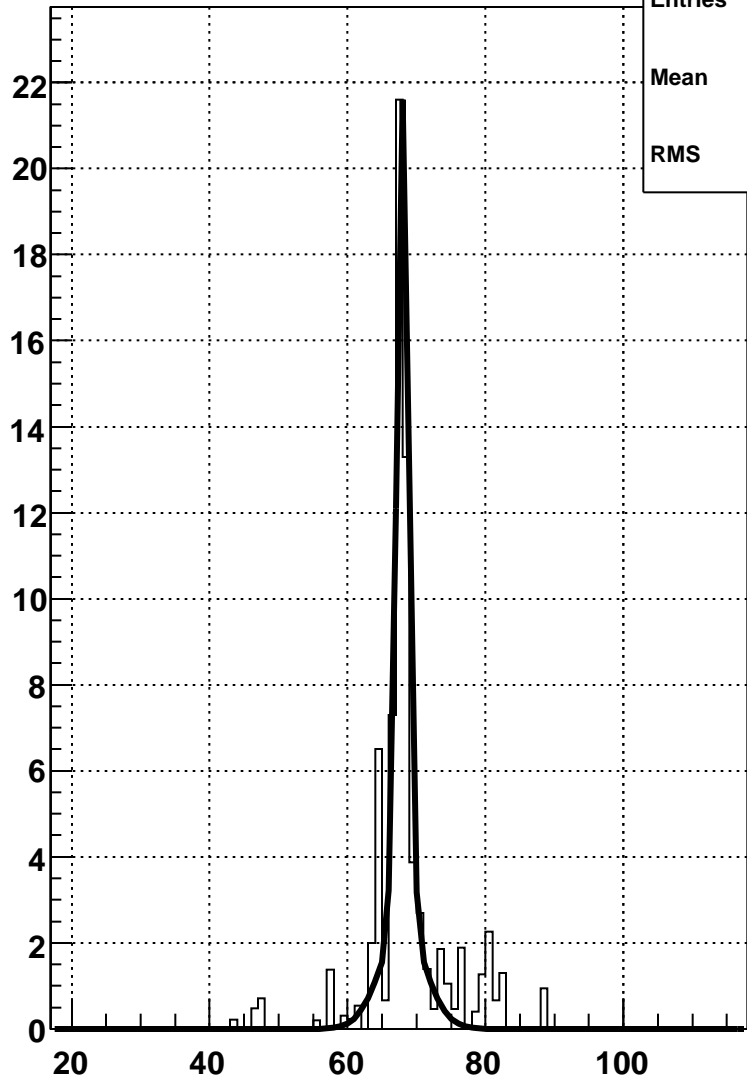
Entries	42
Mean	143.9
RMS	3.613



$p_T=8.0$  GeV,  $E=16.3$  GeV

**hSmdv**

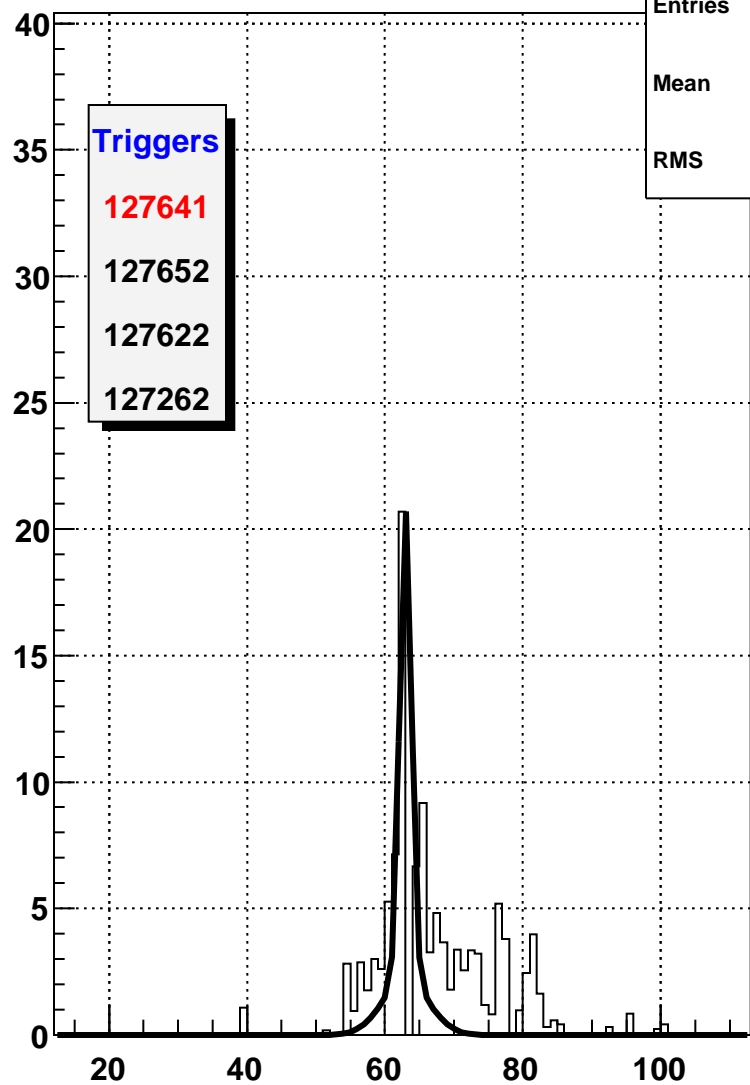
Entries	48
Mean	68.62
RMS	5.932



Run=7099047, Event=132635

**hSmdu**

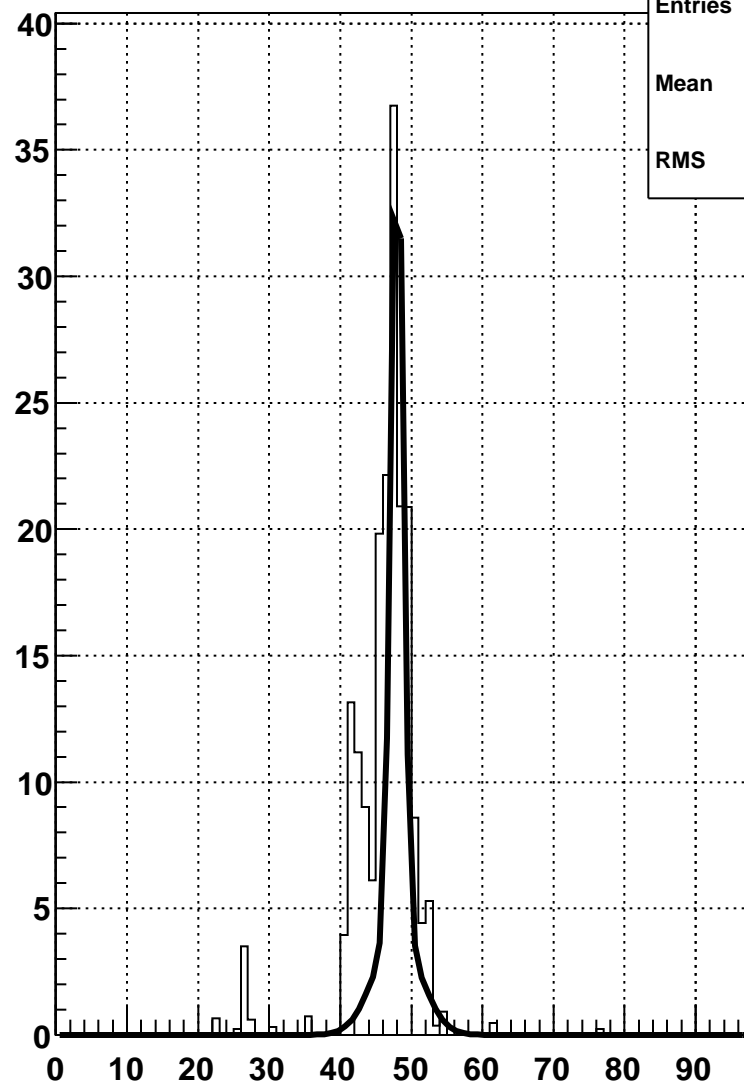
Entries	36
Mean	67.14
RMS	8.601



$p_T=7.3$  GeV,  $E=23.3$  GeV

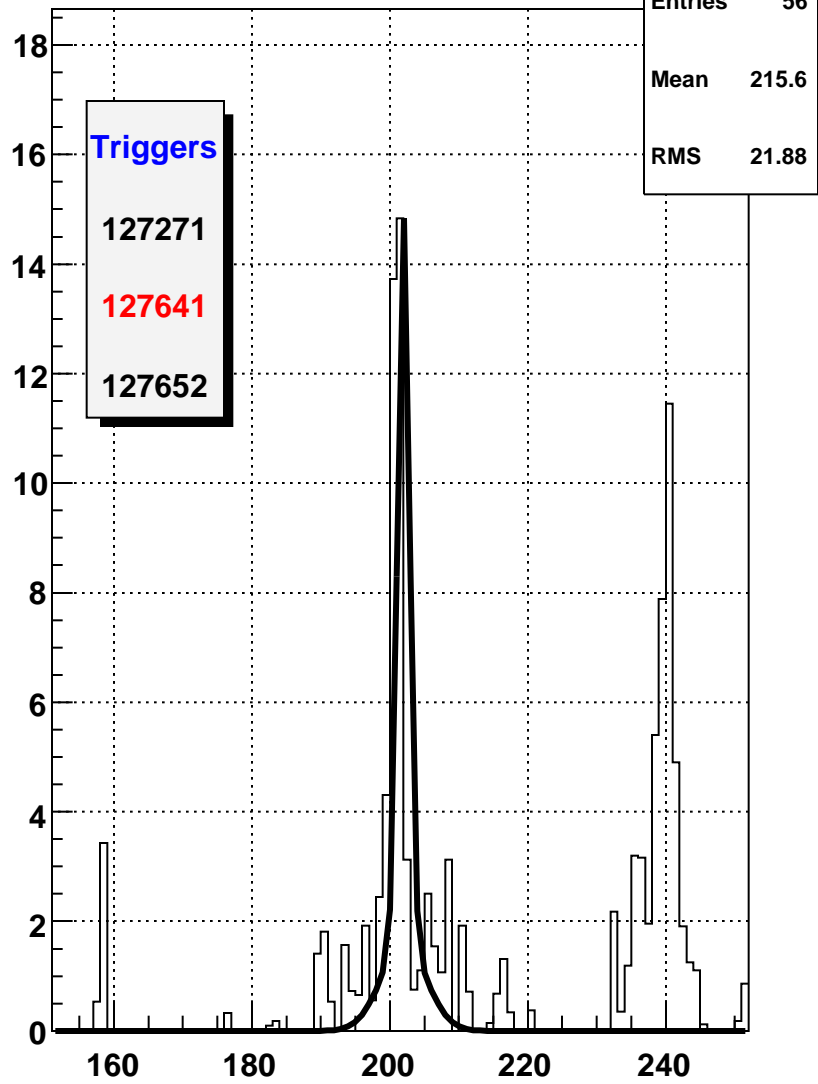
**hSmdv**

Entries	23
Mean	46.21
RMS	4.682



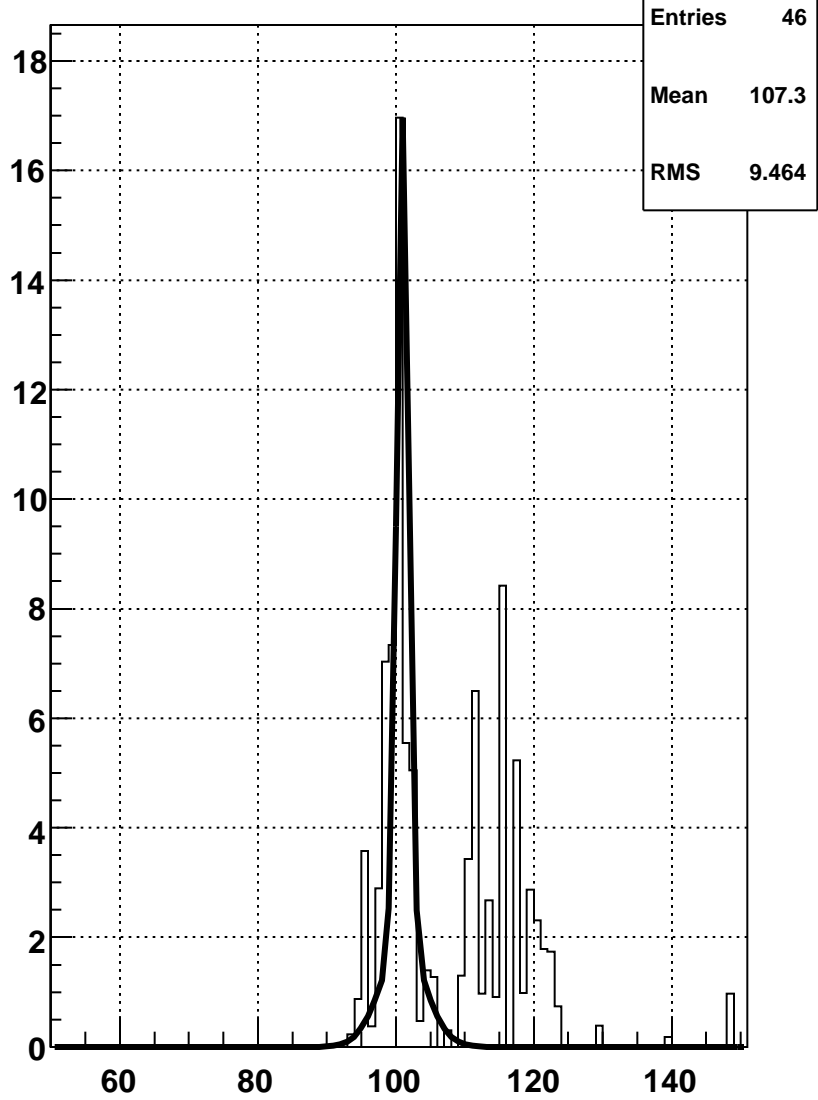
Run=7099047, Event=134064

**hSmdu**



$p_T=5.8$  GeV,  $E=14.8$  GeV

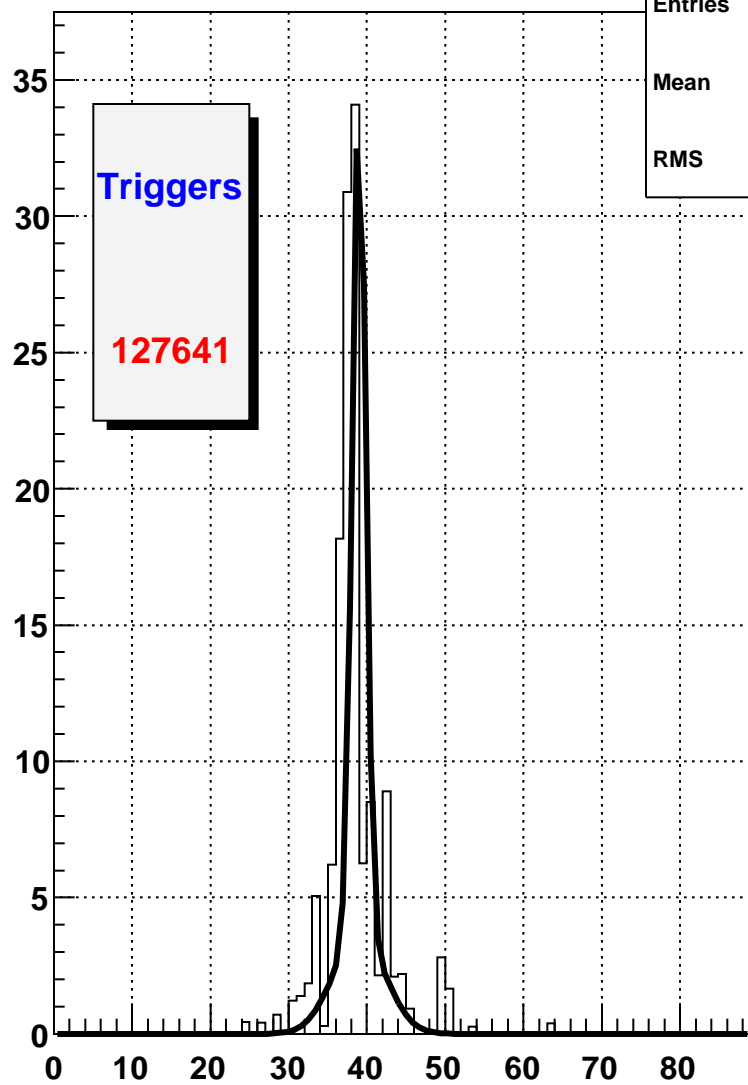
**hSmdv**



Run=7099047, Event=134777

**hSmdu**

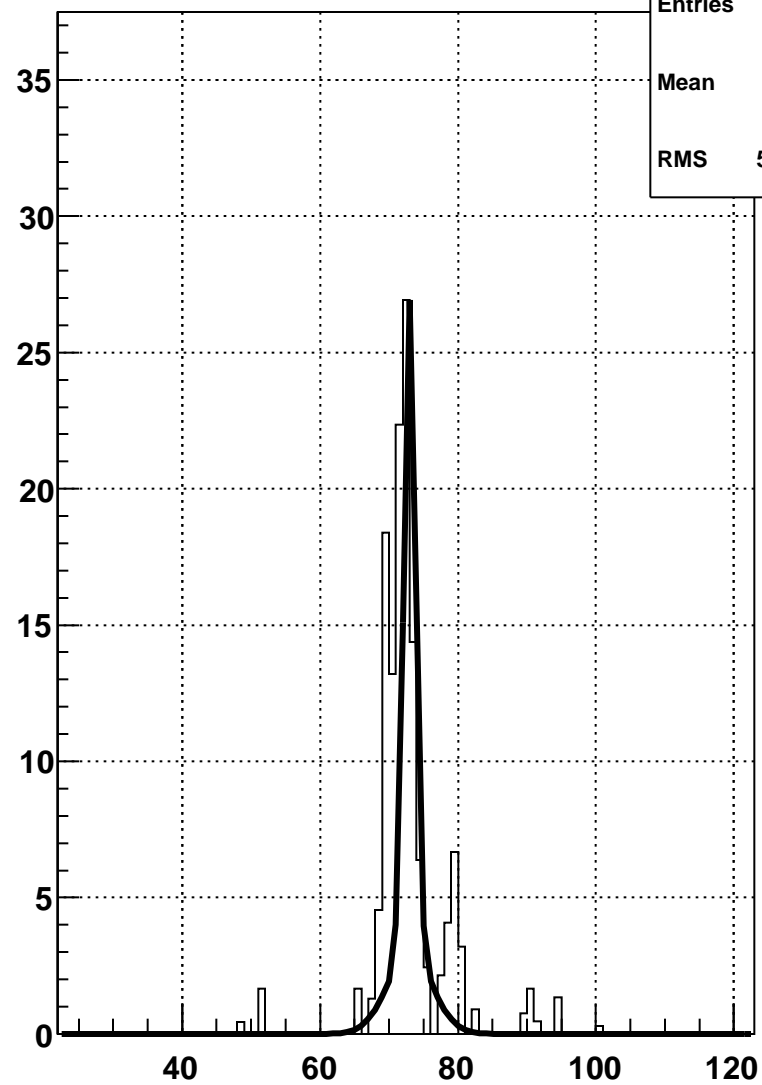
Entries	23
Mean	38.49
RMS	3.799



$p_T=5.4$  GeV,  $E=15.5$  GeV

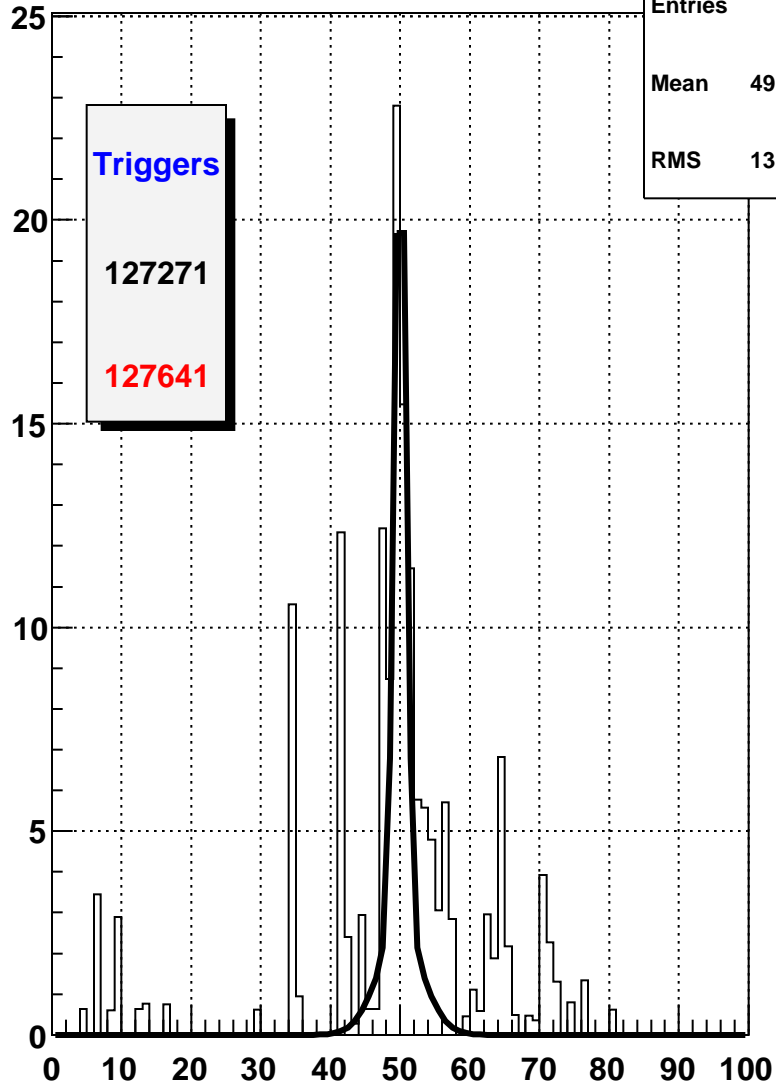
**hSmdv**

Entries	22
Mean	72.9
RMS	5.482



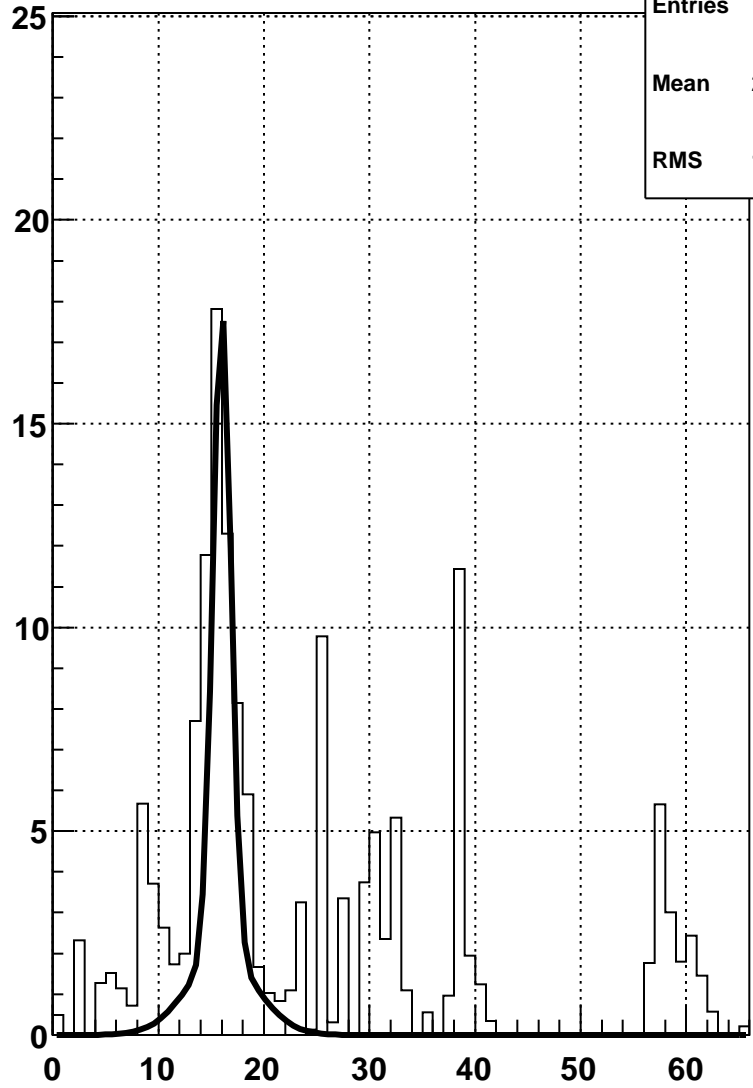
Run=7099047, Event=134825

hSmdu	
Entries	43
Mean	49.04
RMS	13.39



$p_T=8.0$  GeV,  $E=23.2$  GeV

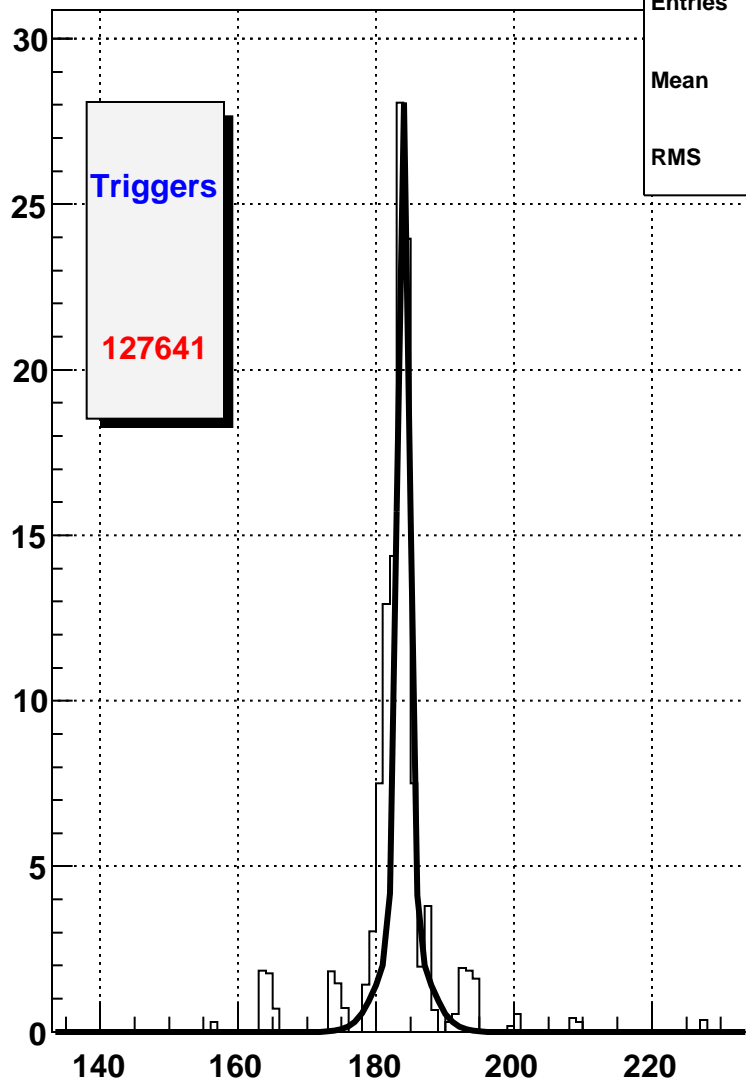
hSmdv	
Entries	56
Mean	24.48
RMS	14.95



Run=7099047, Event=135415

**hSmdu**

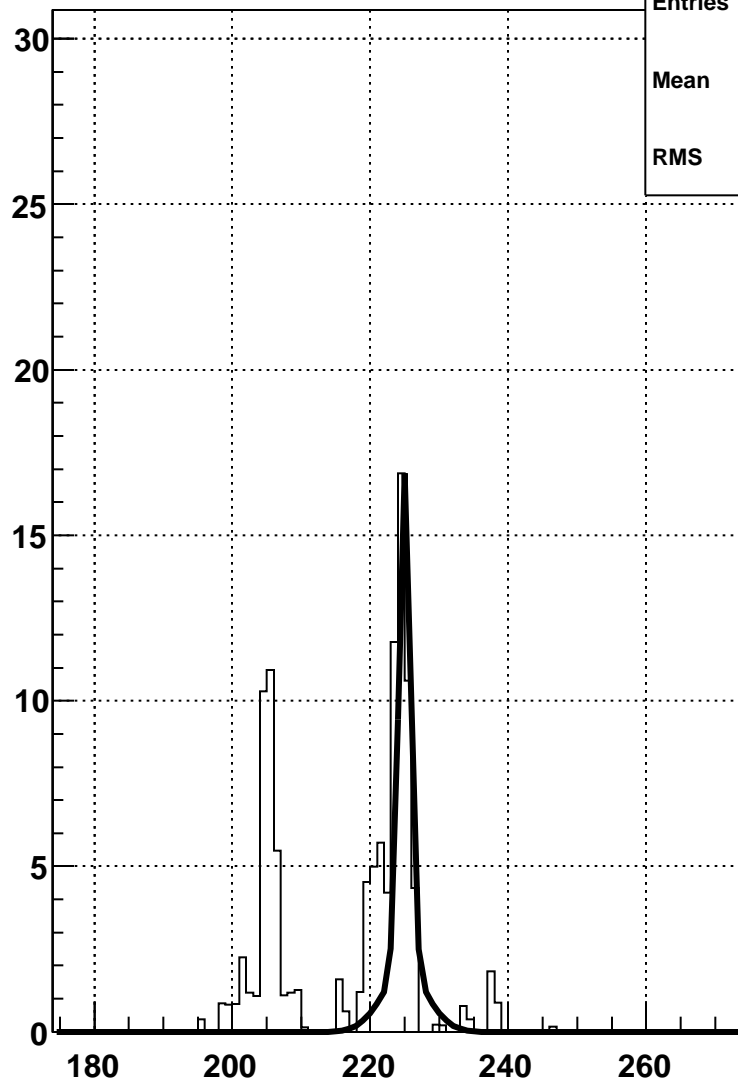
Entries	28
Mean	183.2
RMS	6.065



$p_T=6.1$  GeV,  $E=10.5$  GeV

**hSmdv**

Entries	32
Mean	217.3
RMS	9.823

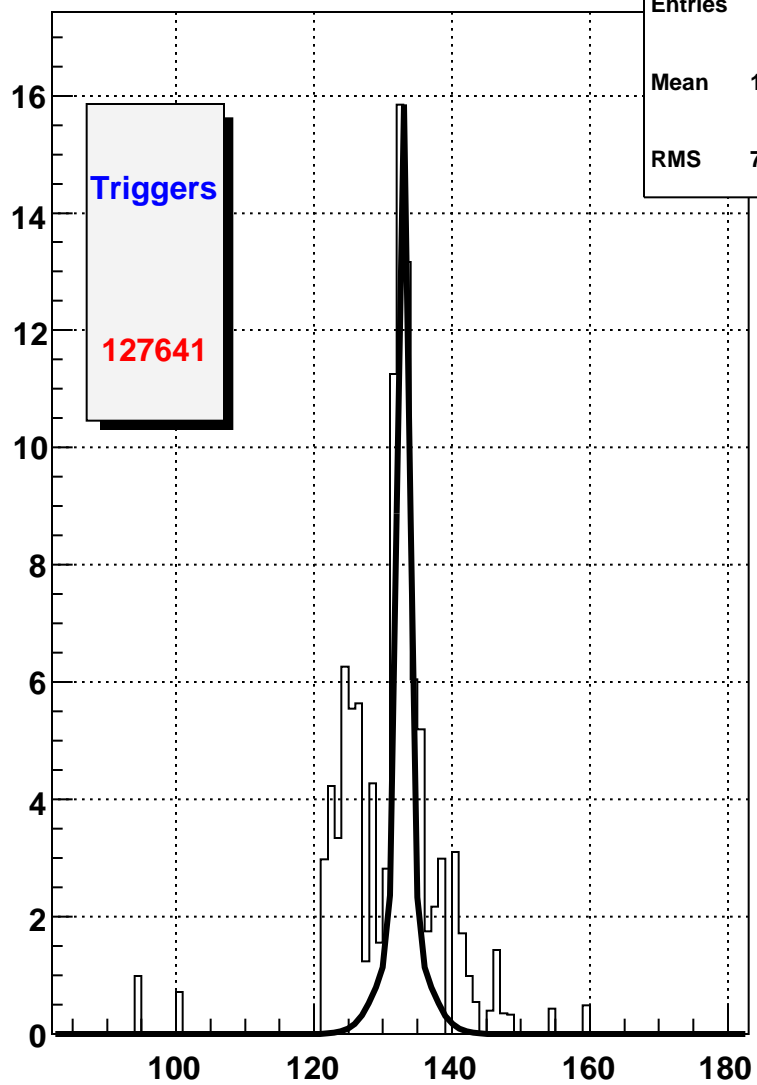




Run=7099047, Event=81943

**hSmdu**

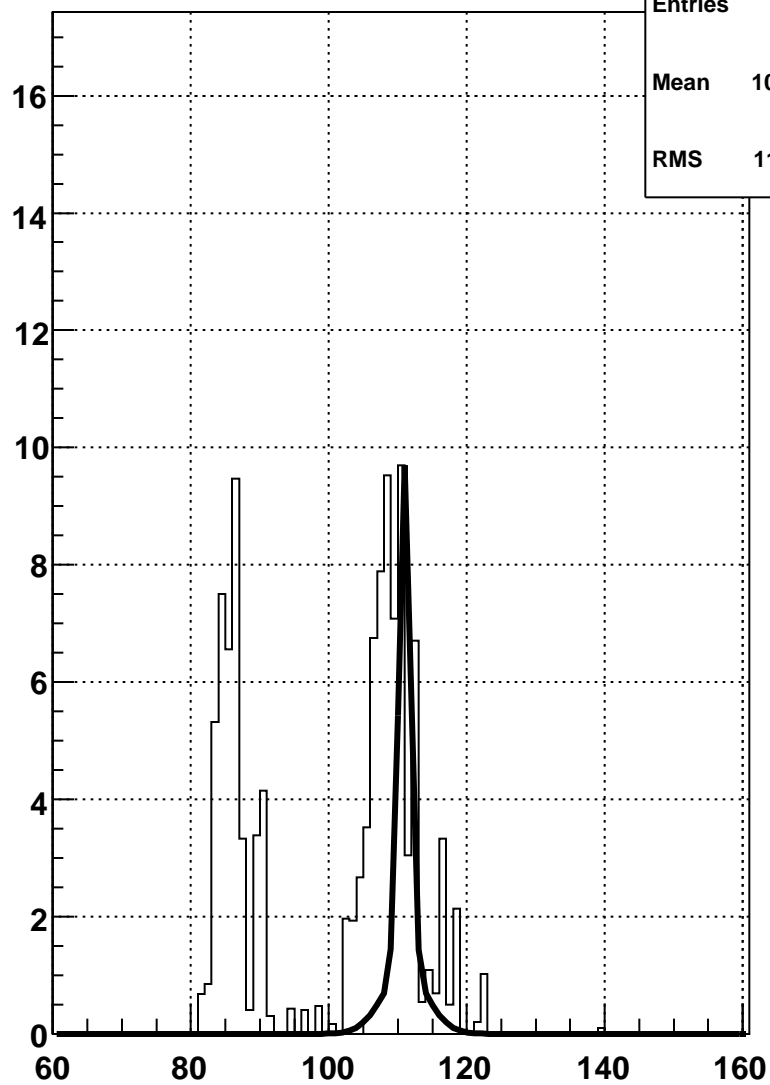
Entries	30
Mean	131.2
RMS	7.389



$p_T=5.0$  GeV,  $E=11.4$  GeV

**hSmdv**

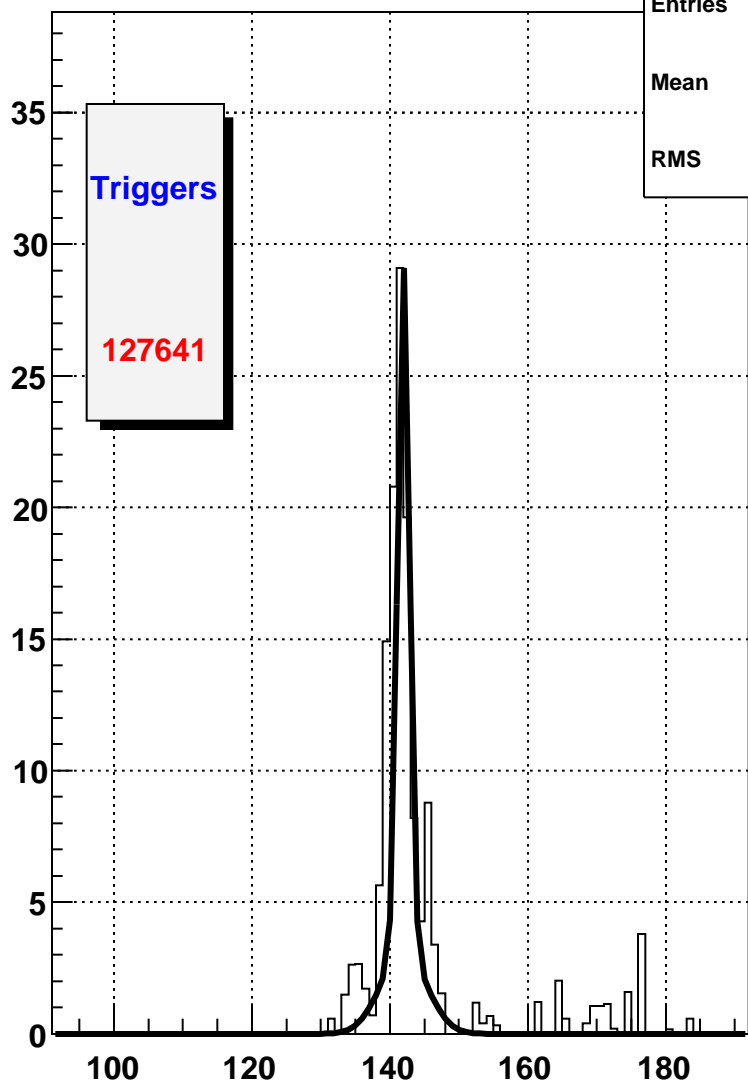
Entries	35
Mean	100.9
RMS	11.84



Run=7099047, Event=85059

**hSmdu**

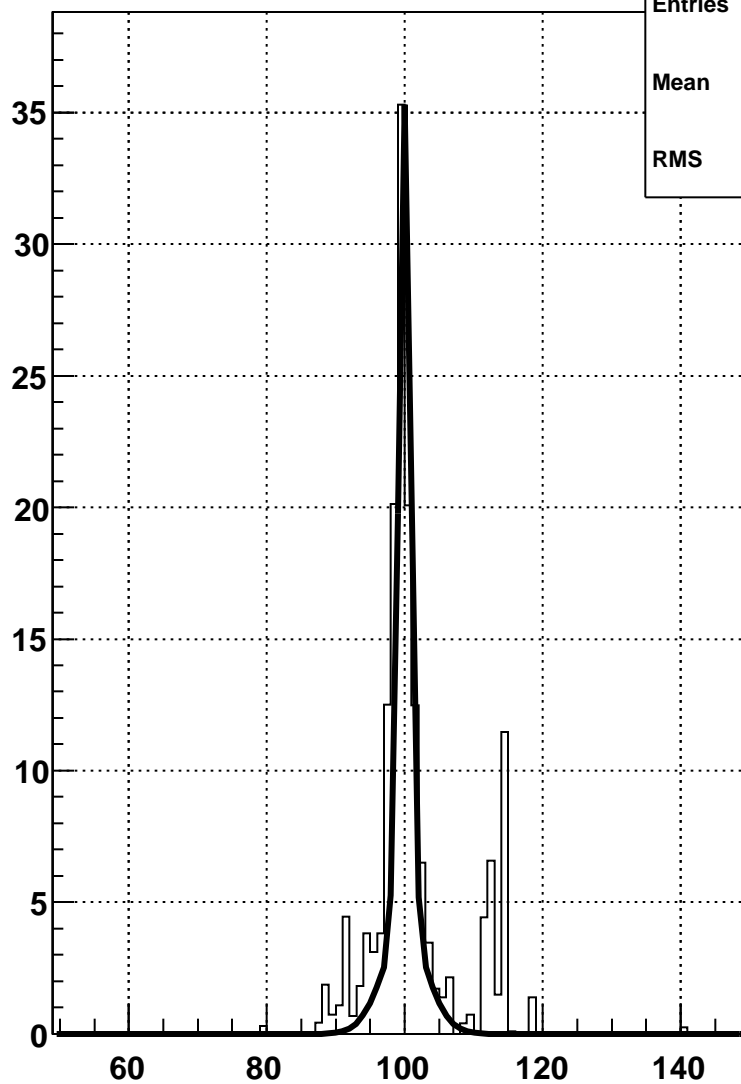
Entries	32
Mean	144.5
RMS	9.499



$p_T=6.4$  GeV,  $E=12.9$  GeV

**hSmdv**

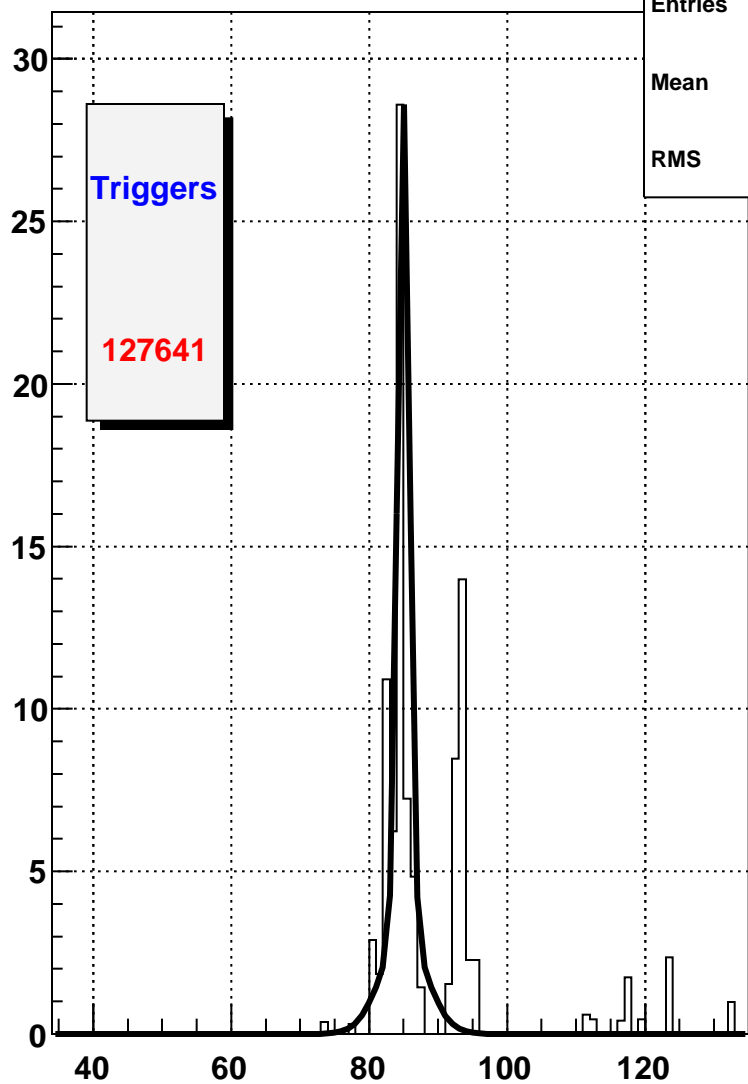
Entries	30
Mean	101.3
RMS	6.373



Run=7099047, Event=150491

**hSmdu**

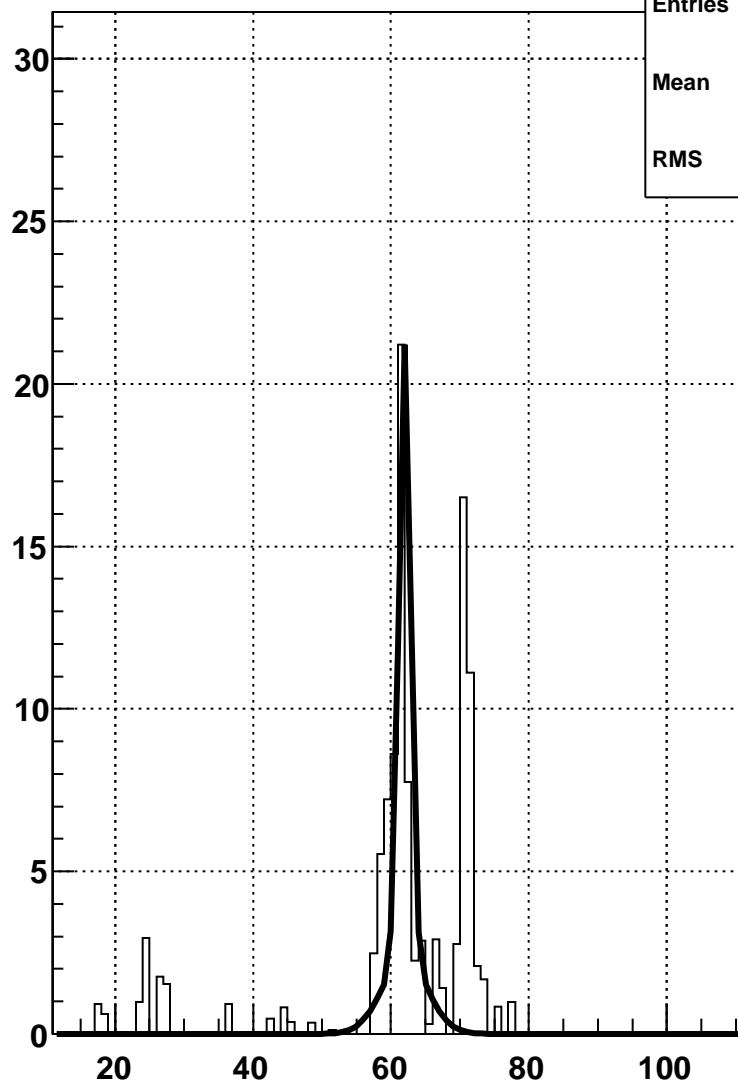
Entries	22
Mean	89.26
RMS	9.847



$p_T=5.5$  GeV,  $E=16.3$  GeV

**hSmdv**

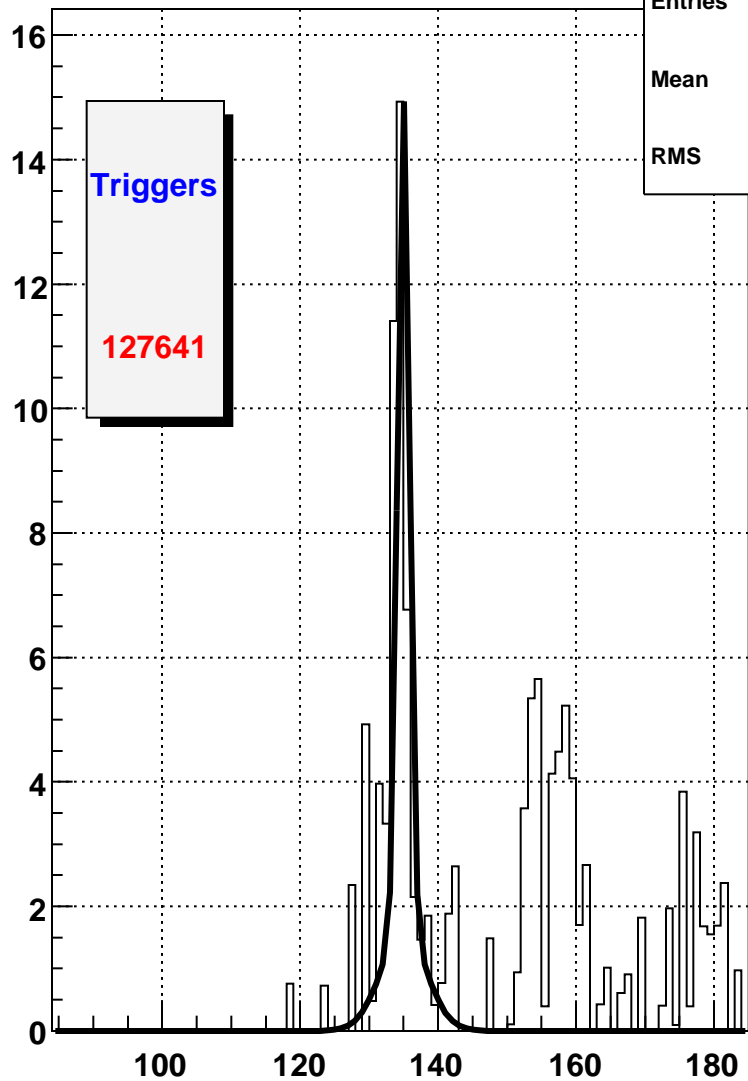
Entries	31
Mean	61.16
RMS	12.51



Run=7099047, Event=156299

**hSmdu**

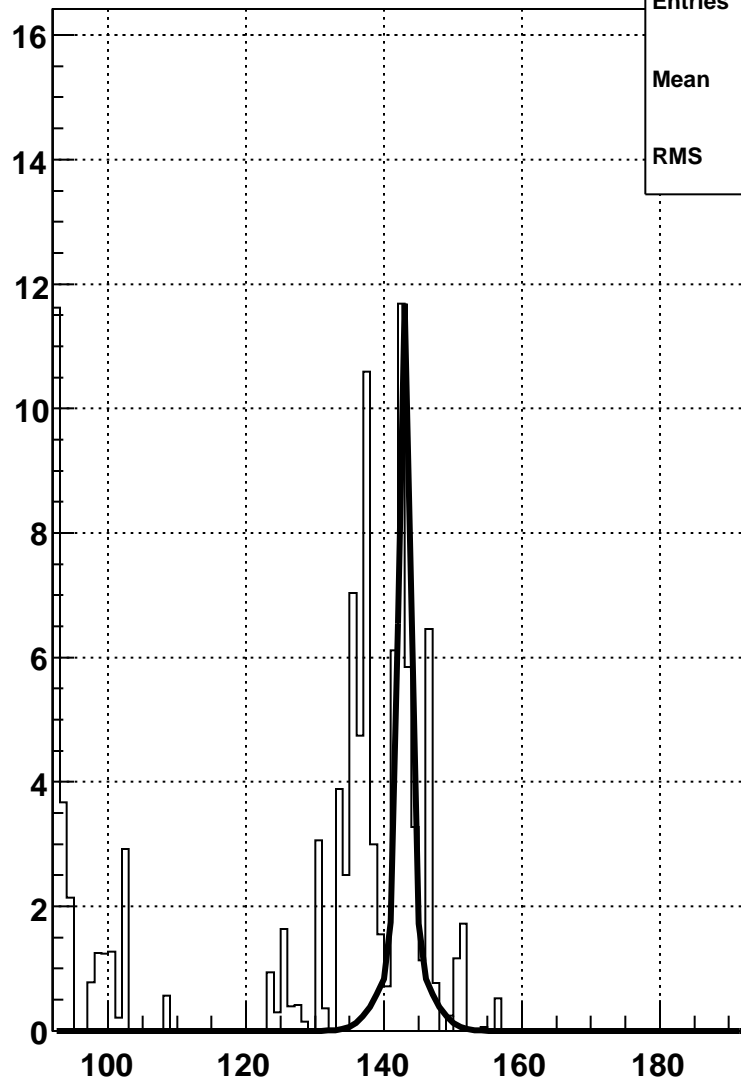
Entries	46
Mean	148.9
RMS	16.57



$p_T=6.5$  GeV,  $E=15.5$  GeV

**hSmdv**

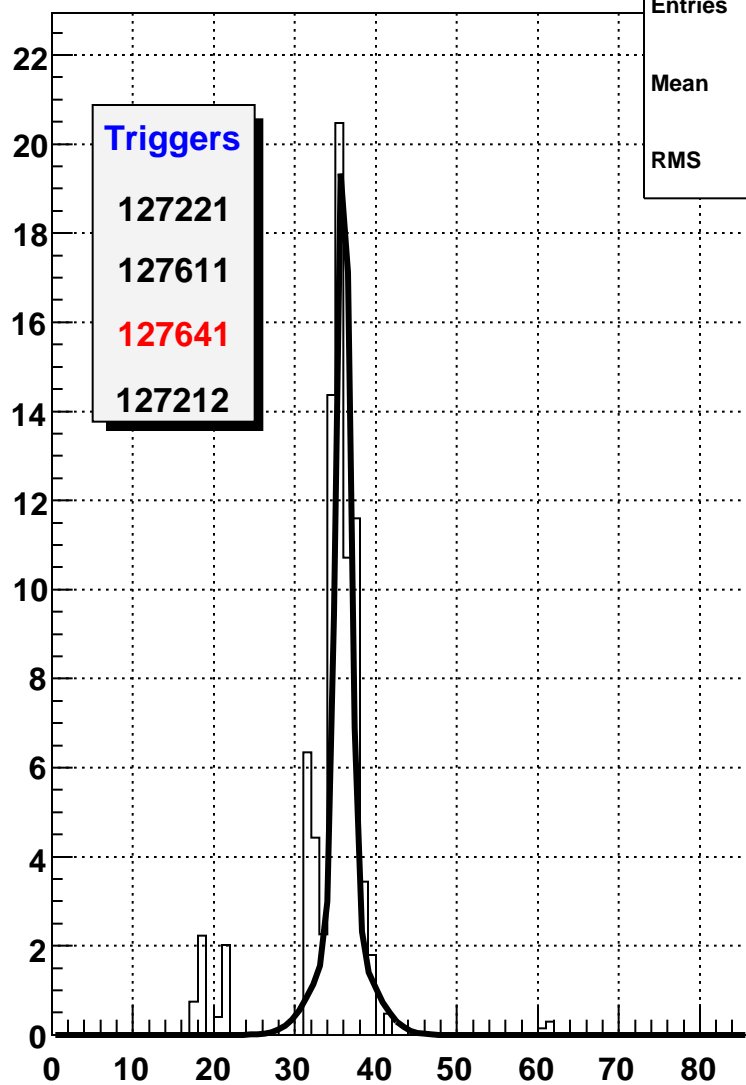
Entries	42
Mean	128.9
RMS	19.63



Run=7099047, Event=120824

**hSmdu**

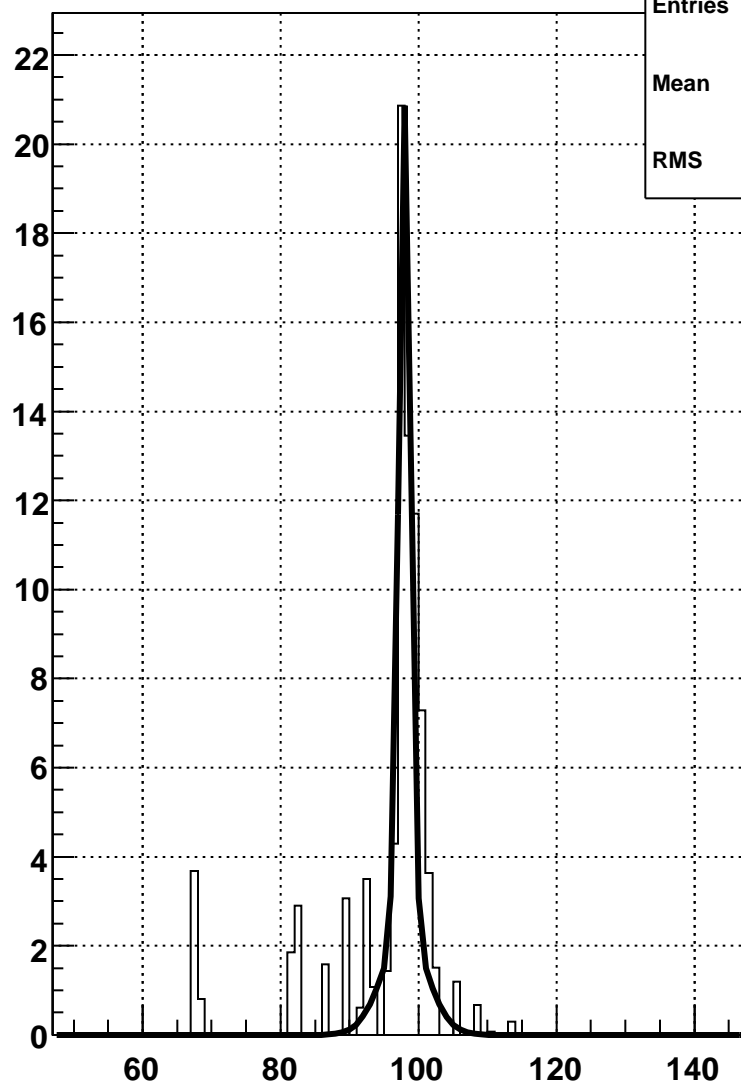
Entries	16
Mean	34.55
RMS	4.817



$p_T=5.1$  GeV,  $E=13.8$  GeV

**hSmdv**

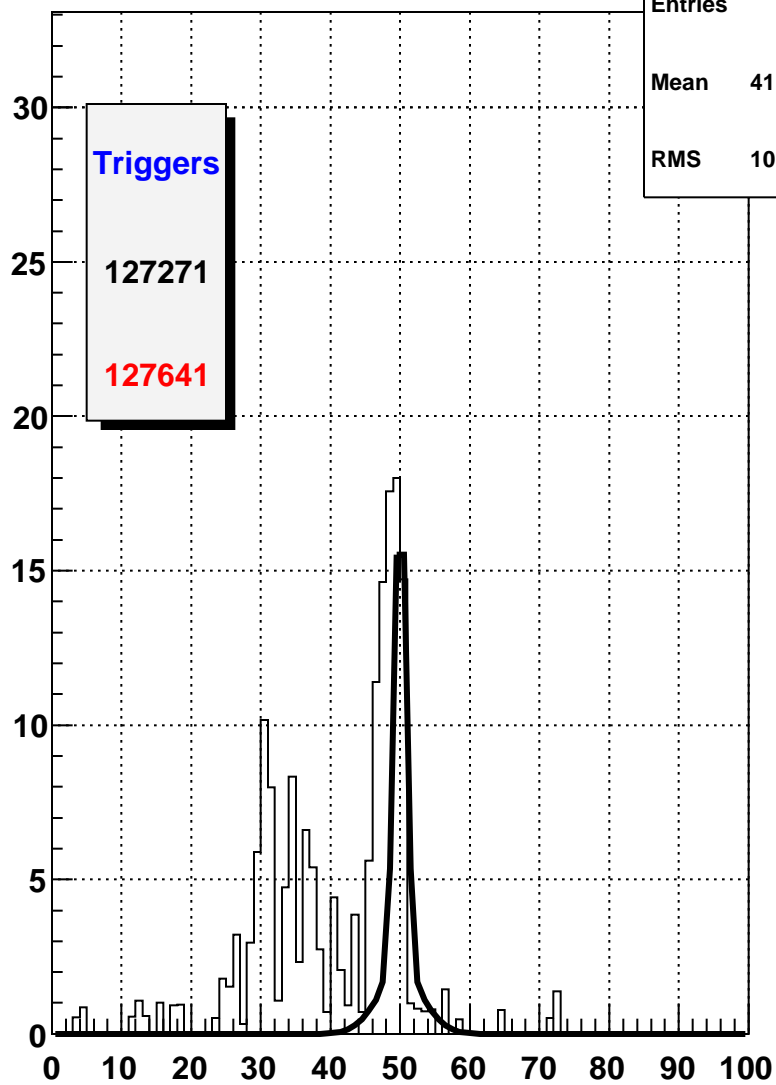
Entries	21
Mean	95.41
RMS	8.192



Run=7099047, Event=61715

**hSmdu**

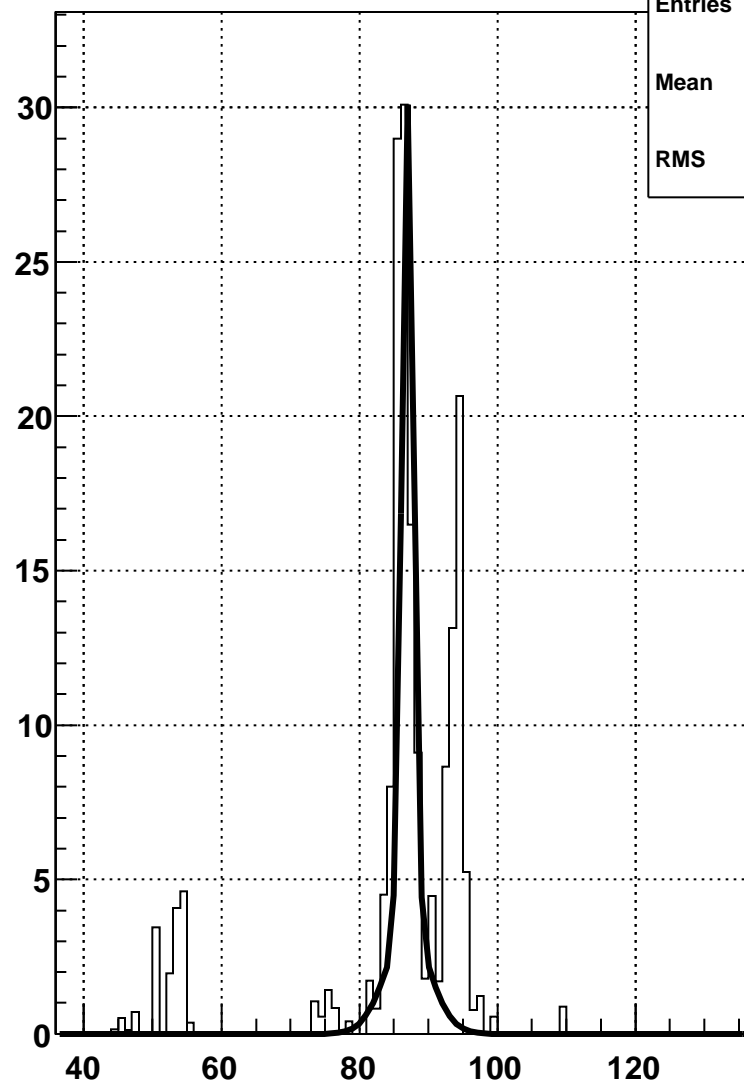
Entries	45
Mean	41.09
RMS	10.47



$p_T=6.0$  GeV,  $E=21.2$  GeV

**hSmdv**

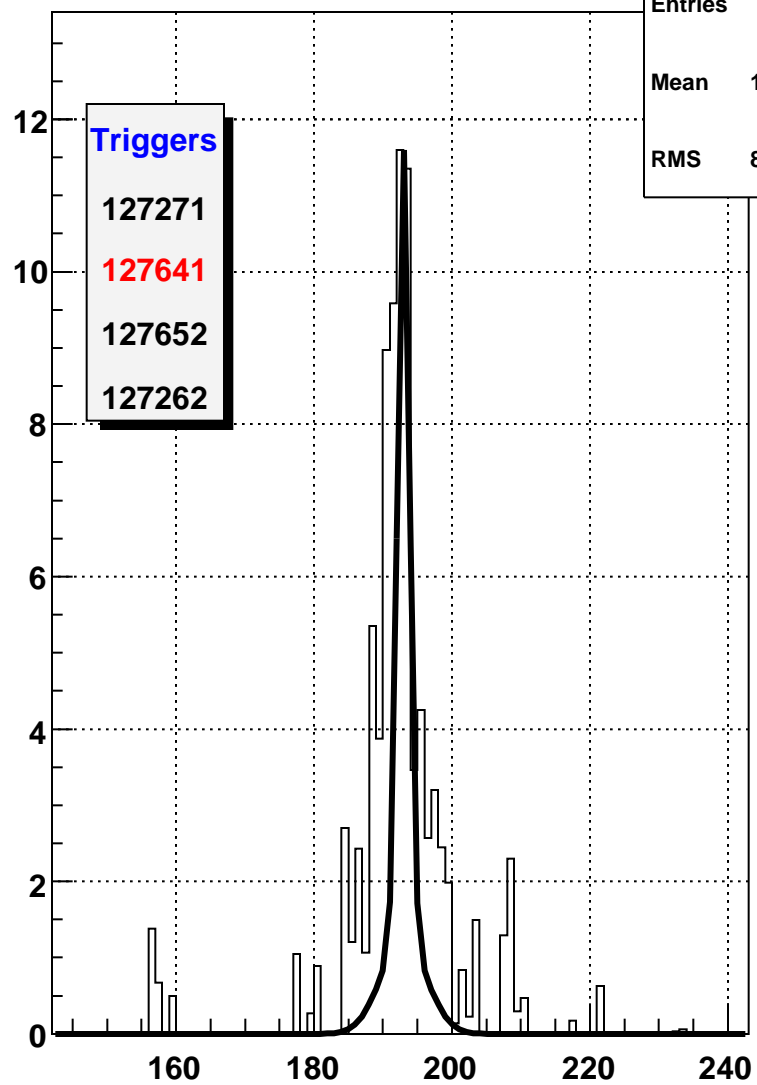
Entries	34
Mean	85.43
RMS	11.29



Run=7099047, Event=71692

**hSmdu**

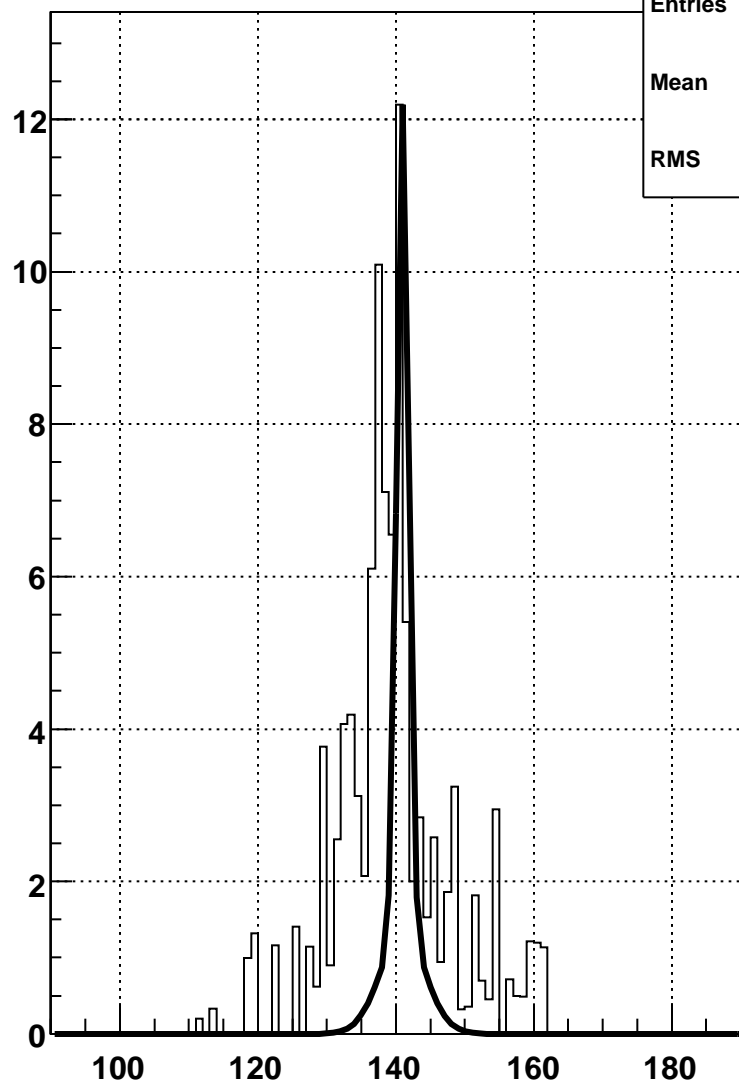
Entries	34
Mean	192.3
RMS	8.639



$p_T=9.8$  GeV,  $E=12.5$  GeV

**hSmdv**

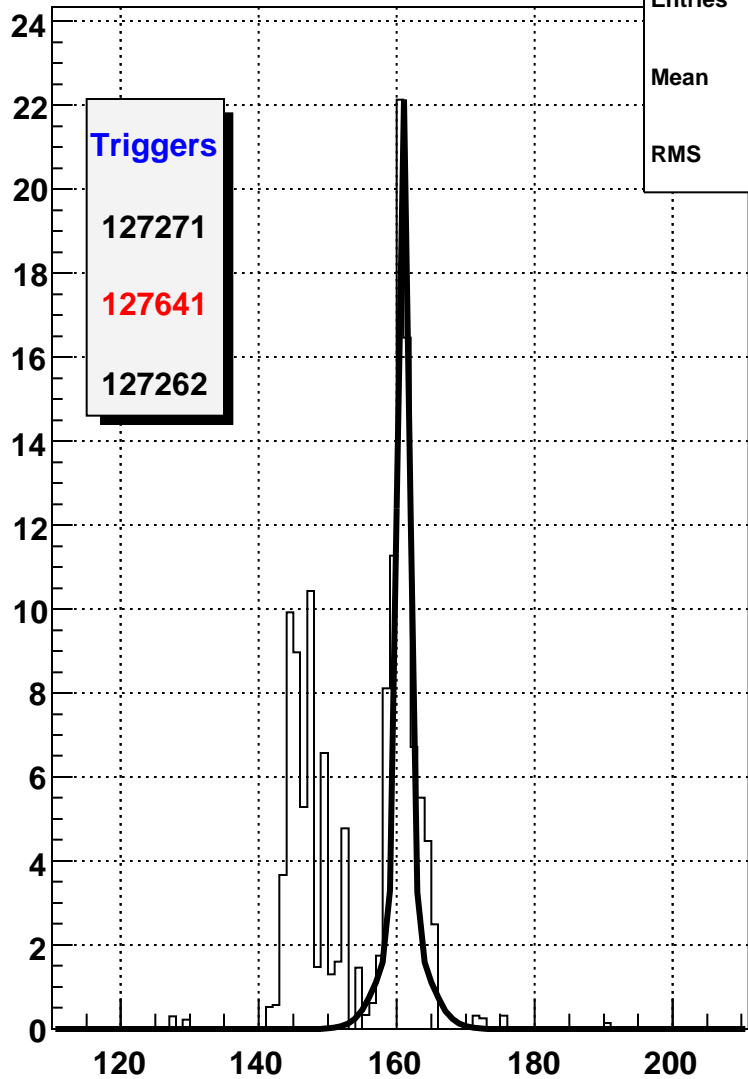
Entries	40
Mean	139.5
RMS	8.48



Run=7099047, Event=28651

**hSmdu**

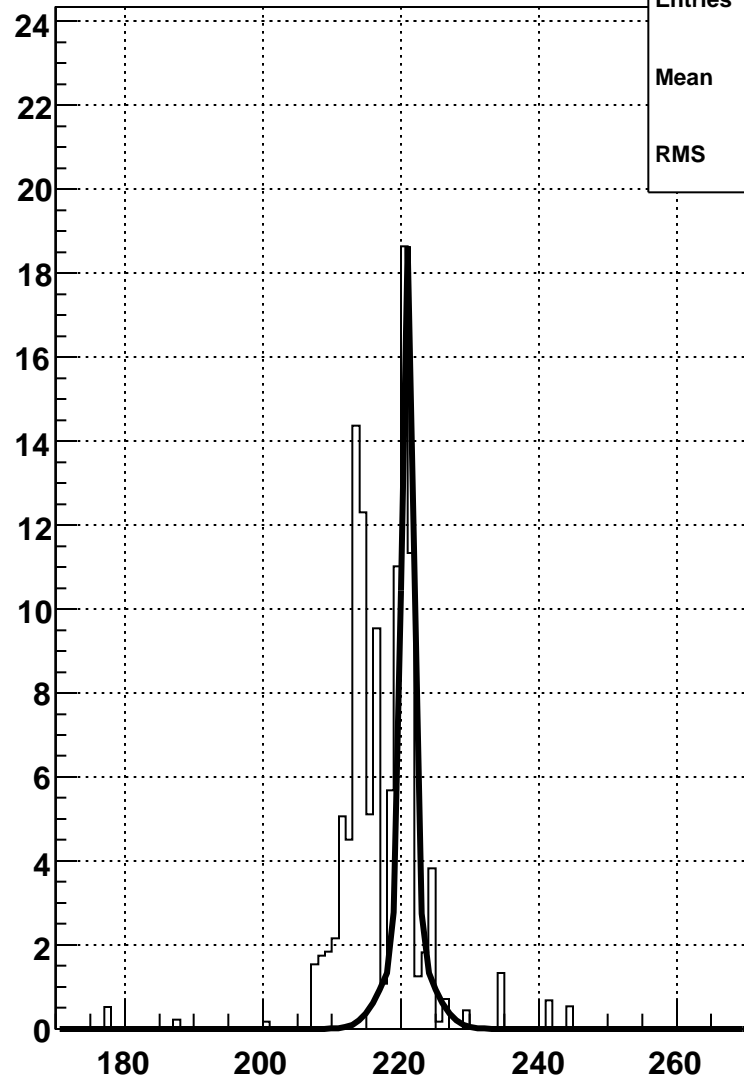
Entries	30
Mean	155.3
RMS	7.551



$p_T=6.9$  GeV,  $E=12.3$  GeV

**hSmdv**

Entries	28
Mean	217.3
RMS	6.053

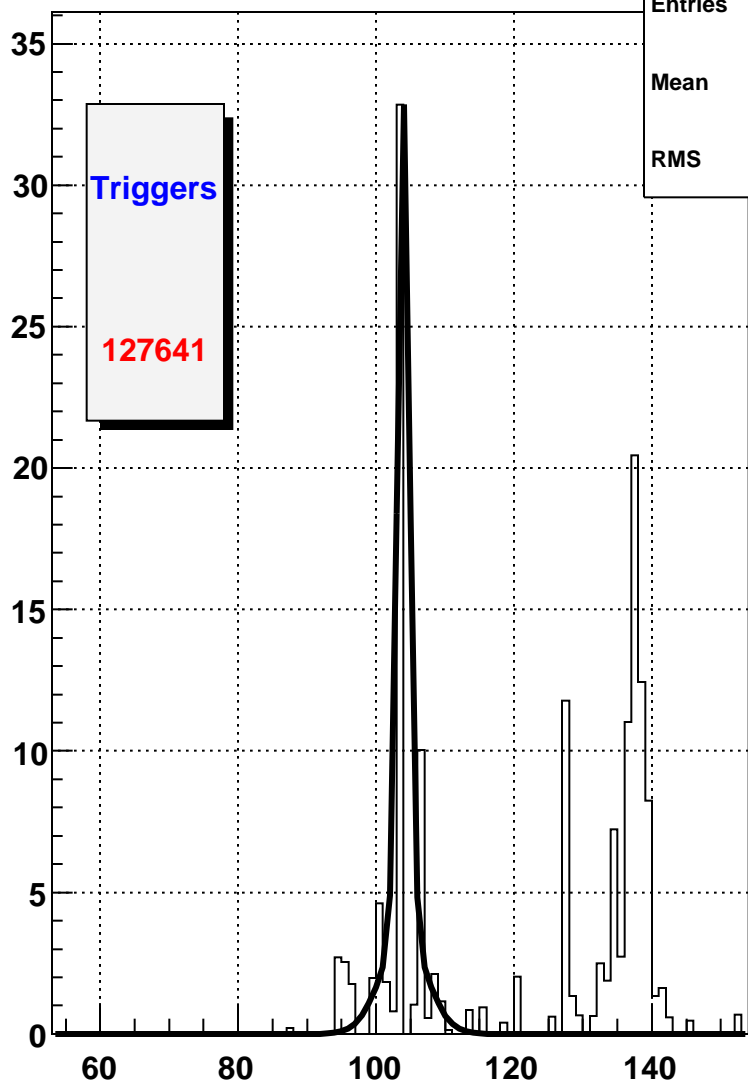




Run=7099047, Event=35452

**hSmdu**

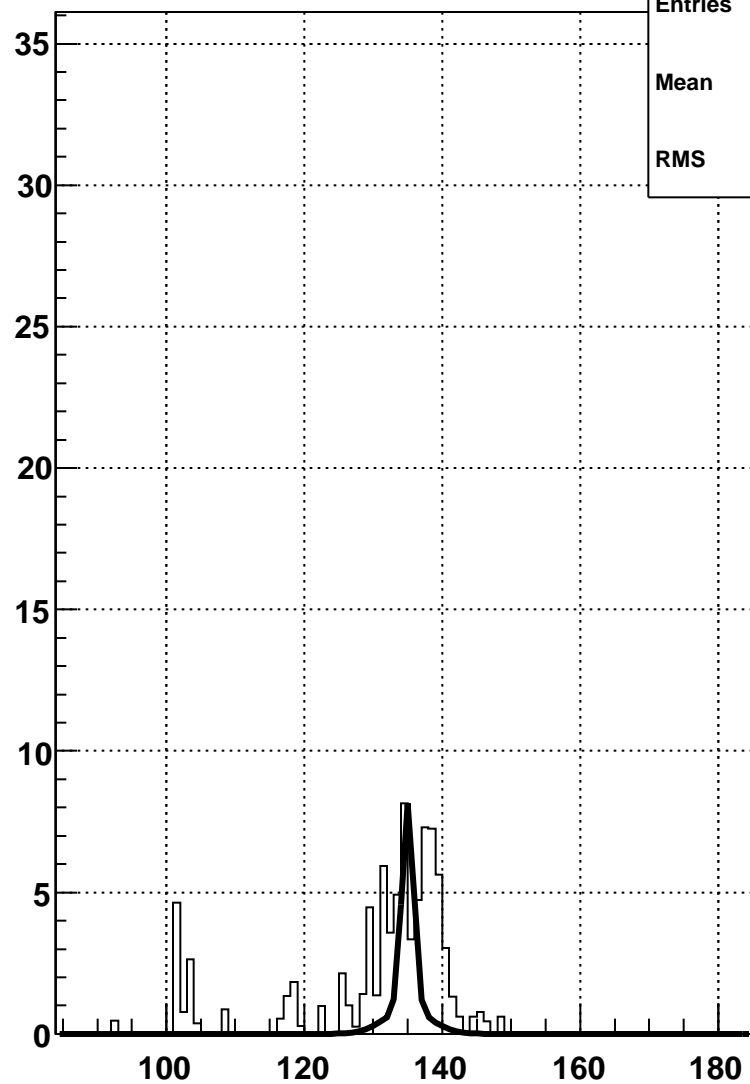
Entries	39
Mean	121.7
RMS	16.51



$p_T=7.2$  GeV,  $E=12.6$  GeV

**hSmdv**

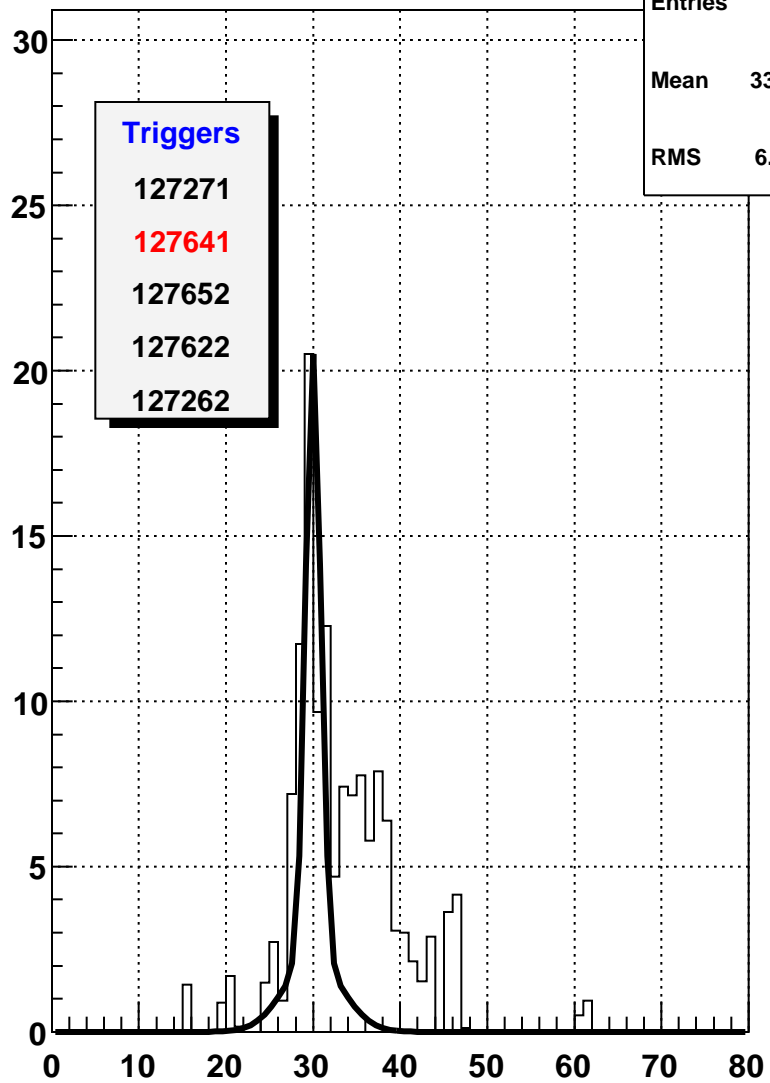
Entries	33
Mean	130.5
RMS	11.7



Run=7099047, Event=49929

**hSmdu**

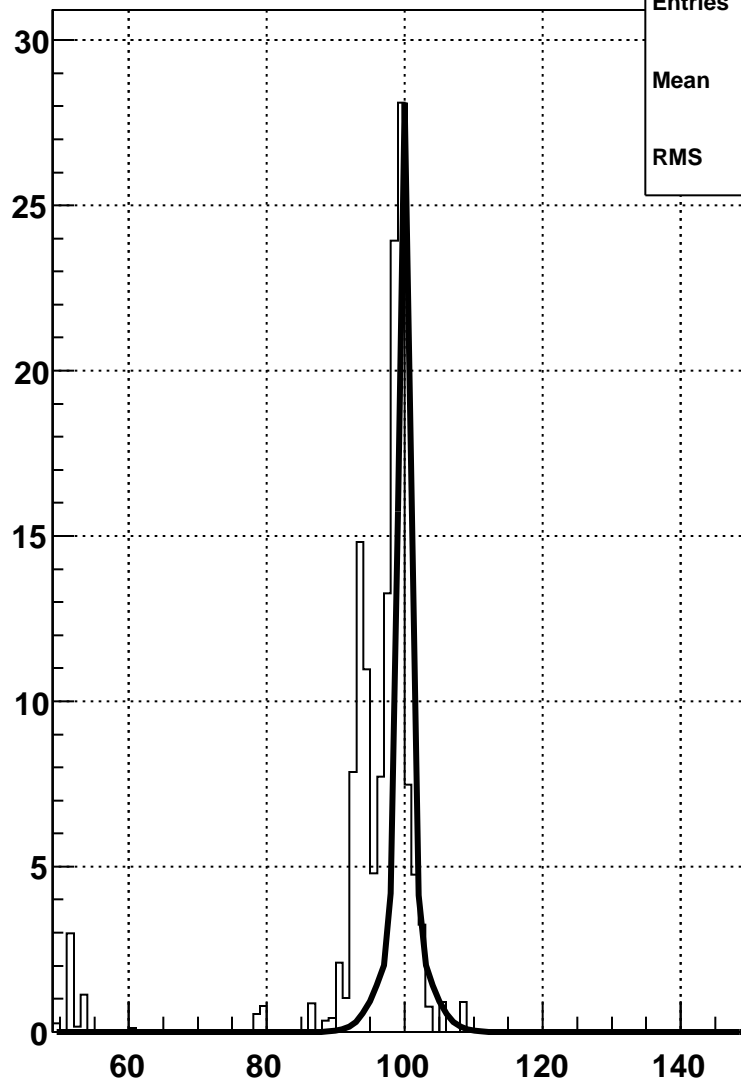
Entries	34
Mean	33.46
RMS	6.461



$p_T=6.4$  GeV,  $E=20.7$  GeV

**hSmdv**

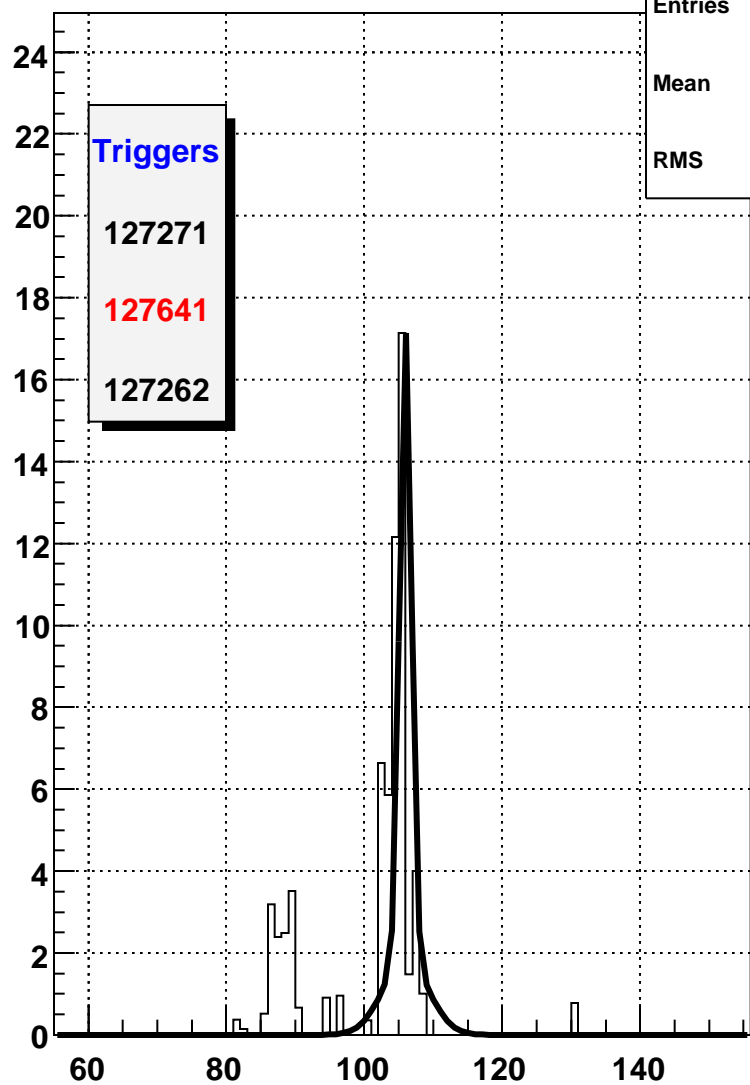
Entries	35
Mean	95.64
RMS	8.841



Run=7099047, Event=158222

**hSmdu**

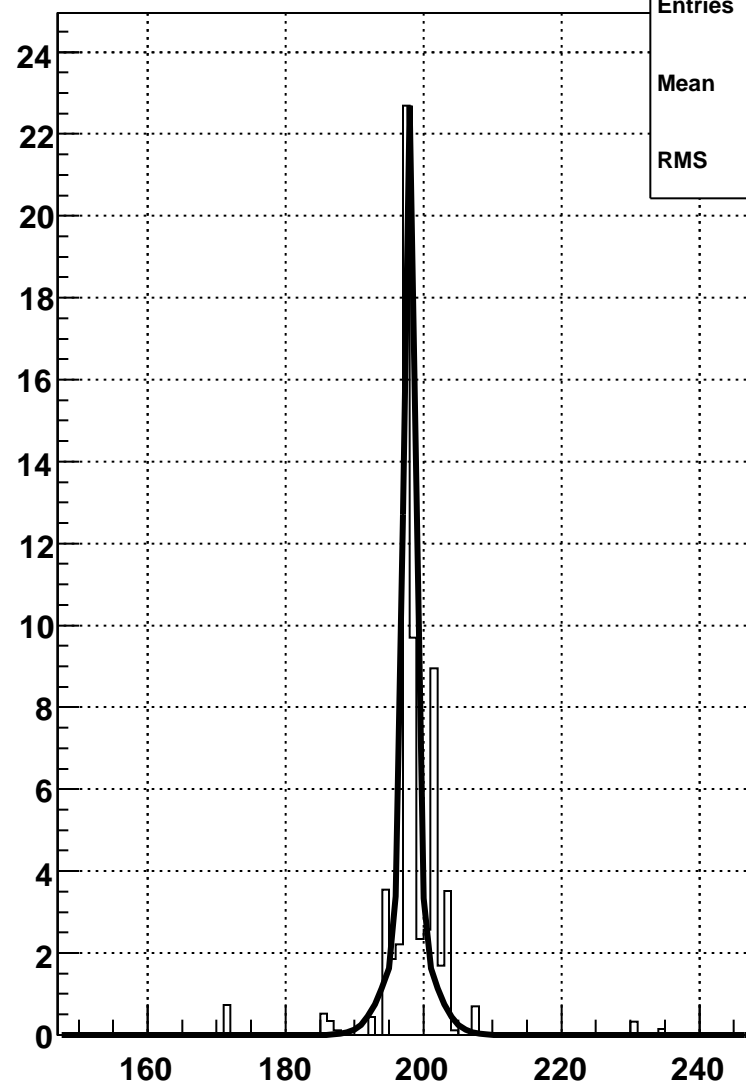
Entries	24
Mean	101.4
RMS	7.758



$p_T=5.6$  GeV,  $E=13.7$  GeV

**hSmdv**

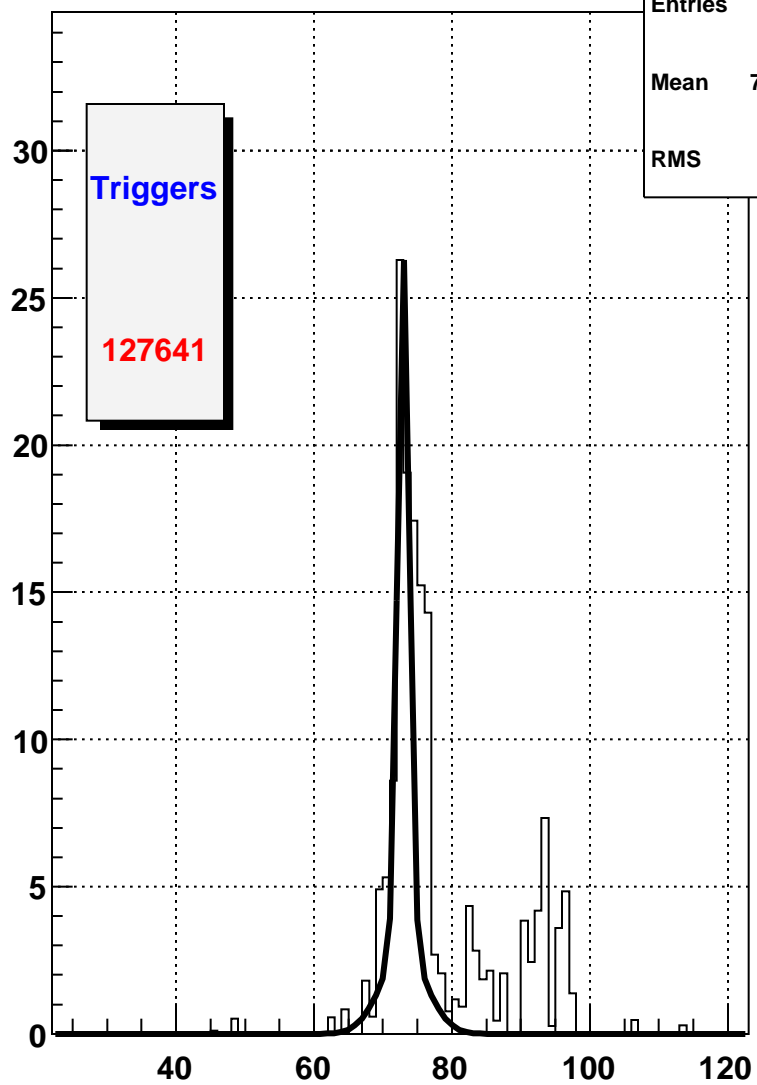
Entries	26
Mean	198.5
RMS	5.122



Run=7099047, Event=102920

**hSmdu**

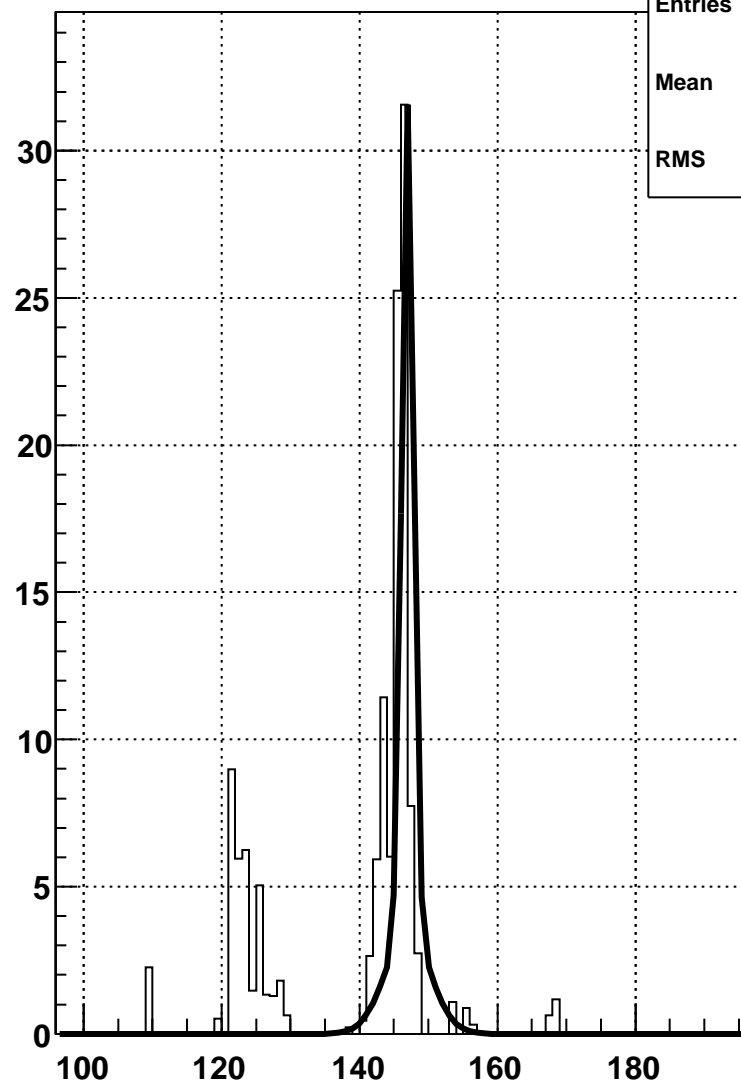
Entries	36
Mean	78.04
RMS	8.54



$p_T=7.9$  GeV,  $E=12.4$  GeV

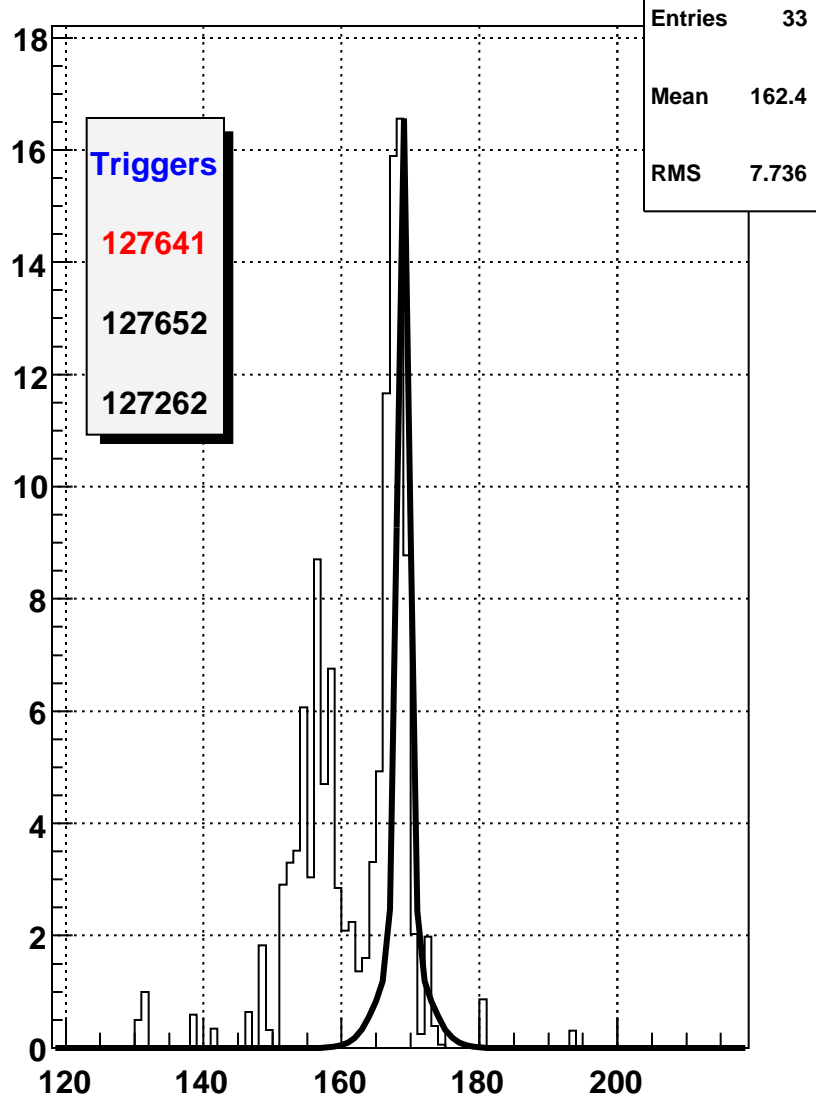
**hSmdv**

Entries	26
Mean	139.9
RMS	10.96



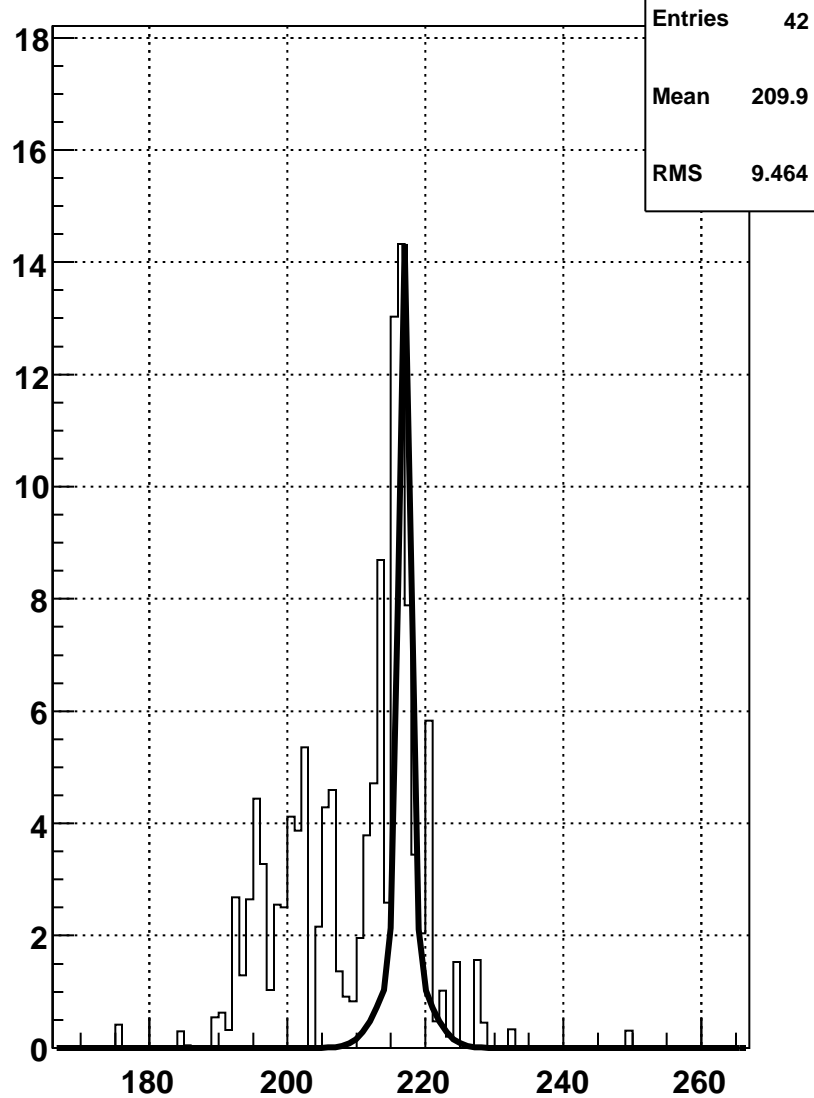
Run=7099047, Event=104561

**hSmdu**



$p_T=7.8$  GeV,  $E=12.2$  GeV

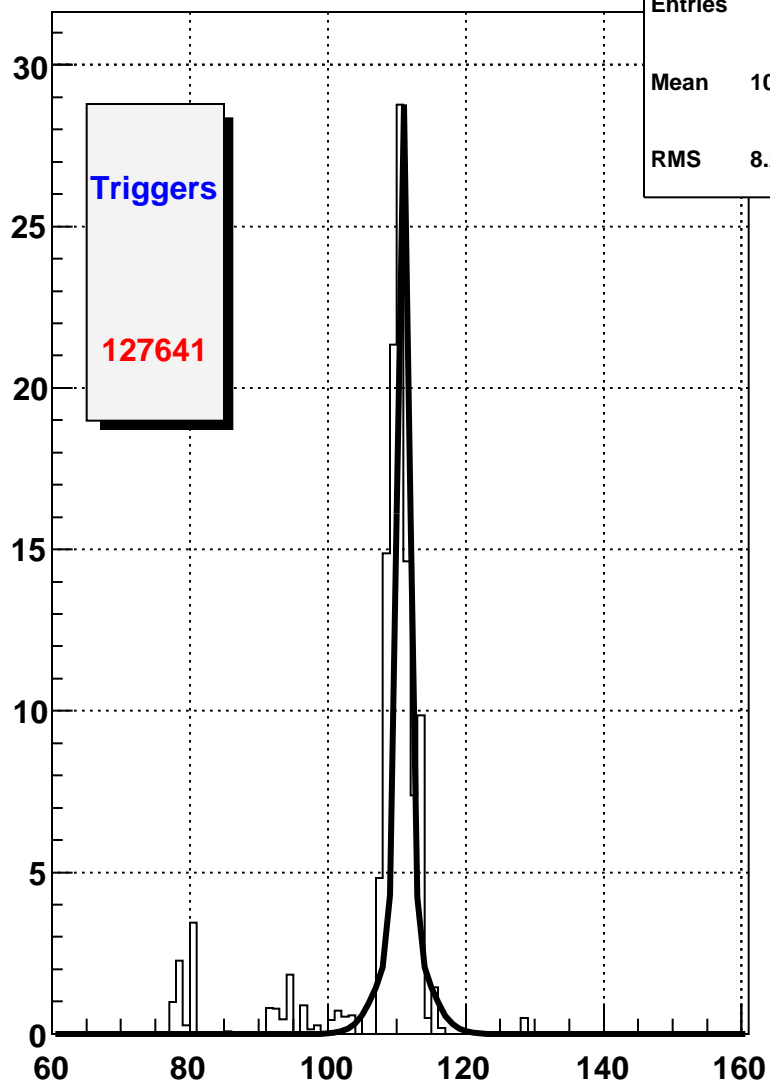
**hSmdv**



Run=7099047, Event=105599

**hSmdu**

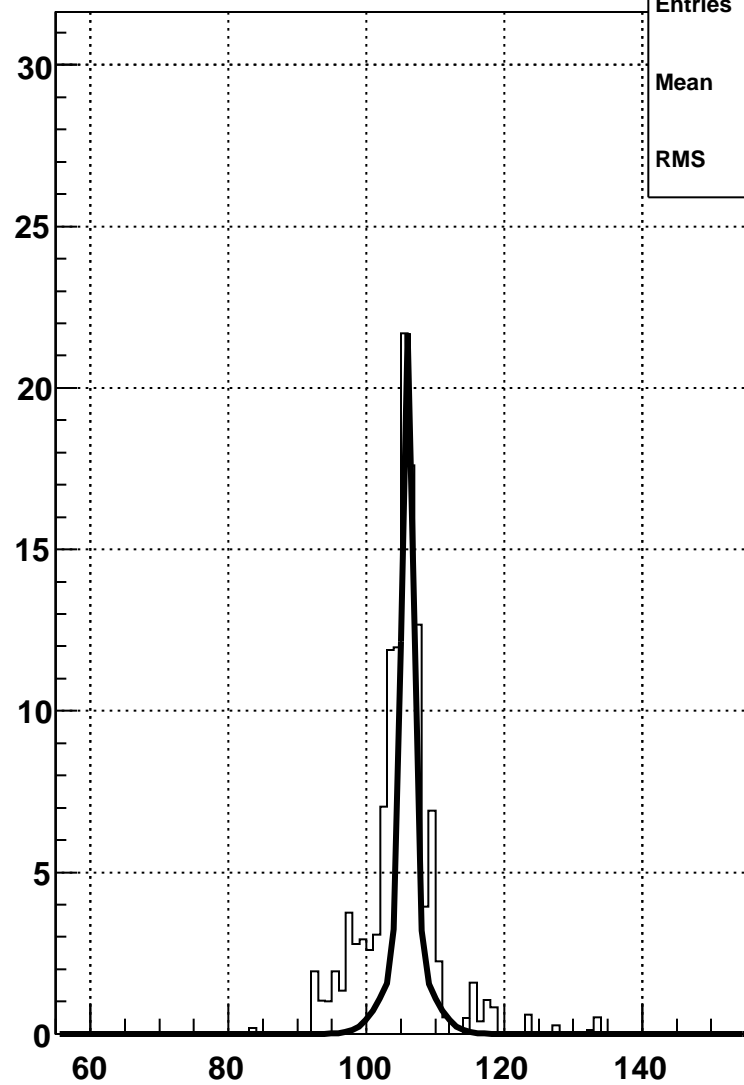
Entries	47
Mean	107.9
RMS	8.214



$p_T=5.4$  GeV,  $E=15.3$  GeV

**hSmdv**

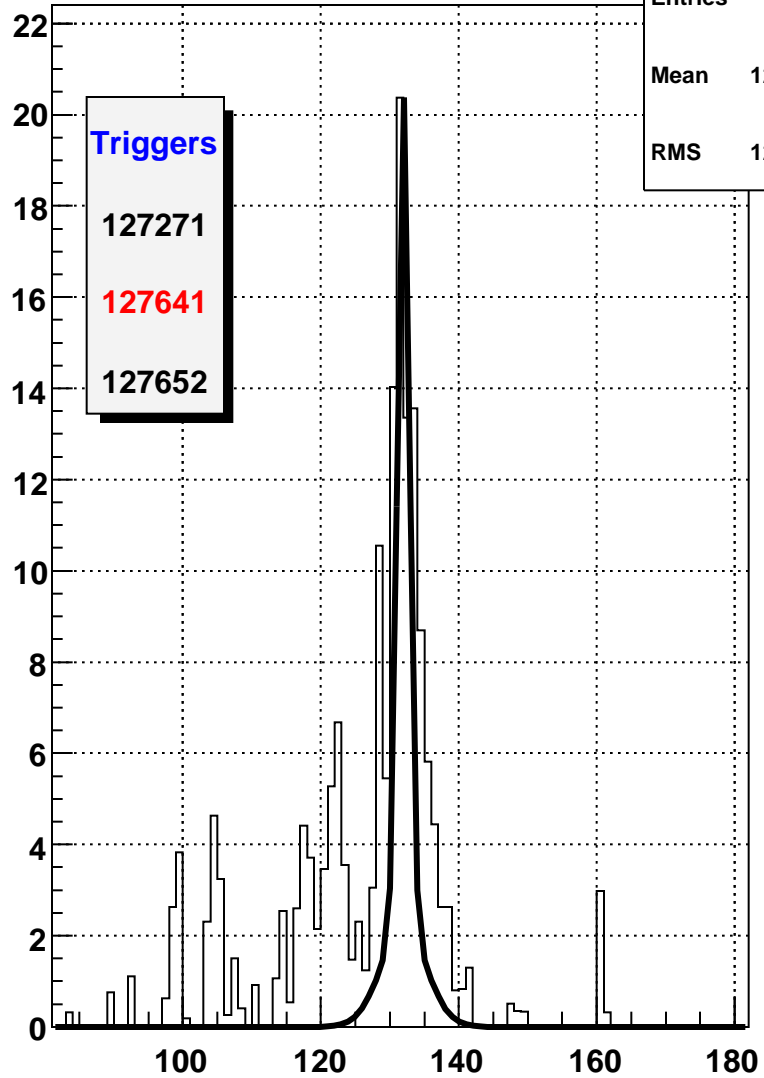
Entries	37
Mean	105.1
RMS	5.149



Run=7099047, Event=106088

**hSmdu**

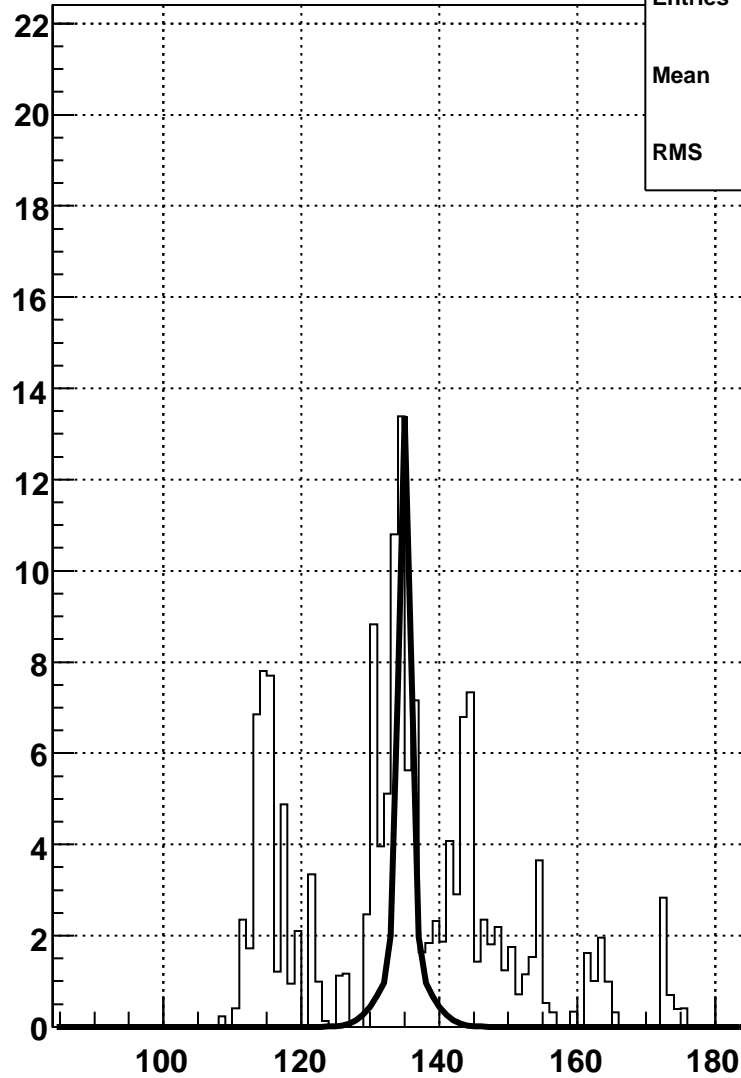
Entries	48
Mean	126.3
RMS	12.02



$p_T=9.2$  GeV,  $E=16.7$  GeV

**hSmdv**

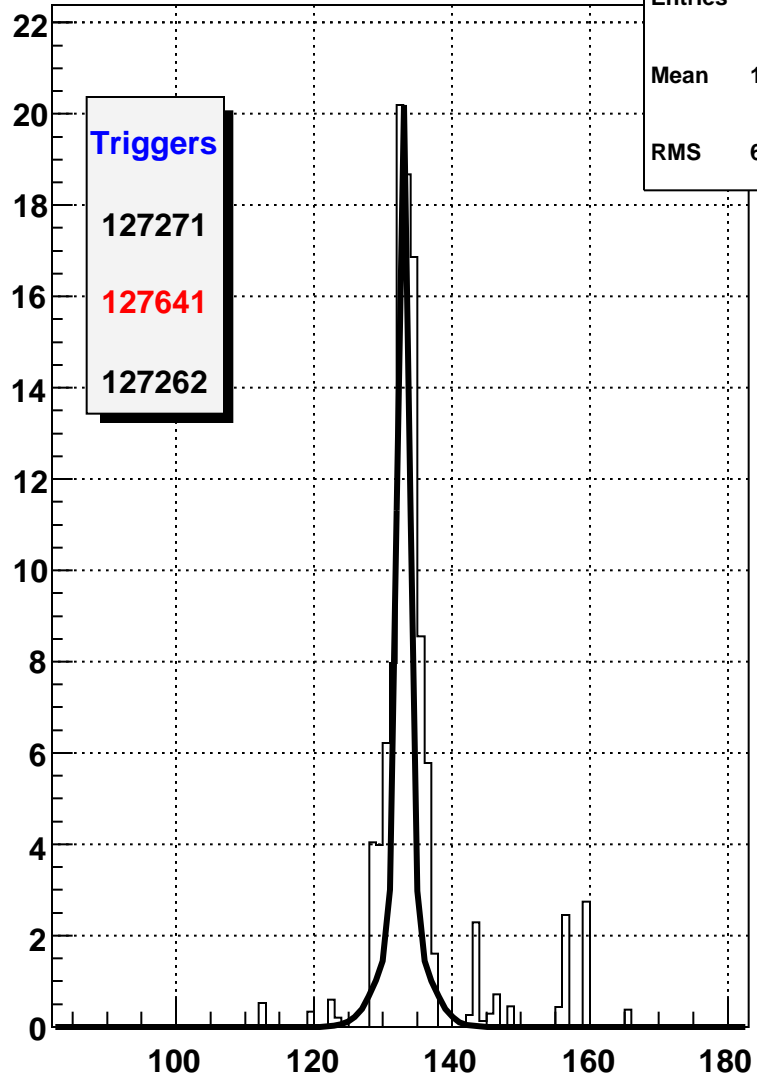
Entries	54
Mean	134.6
RMS	14.53



Run=7099047, Event=107629

**hSmdu**

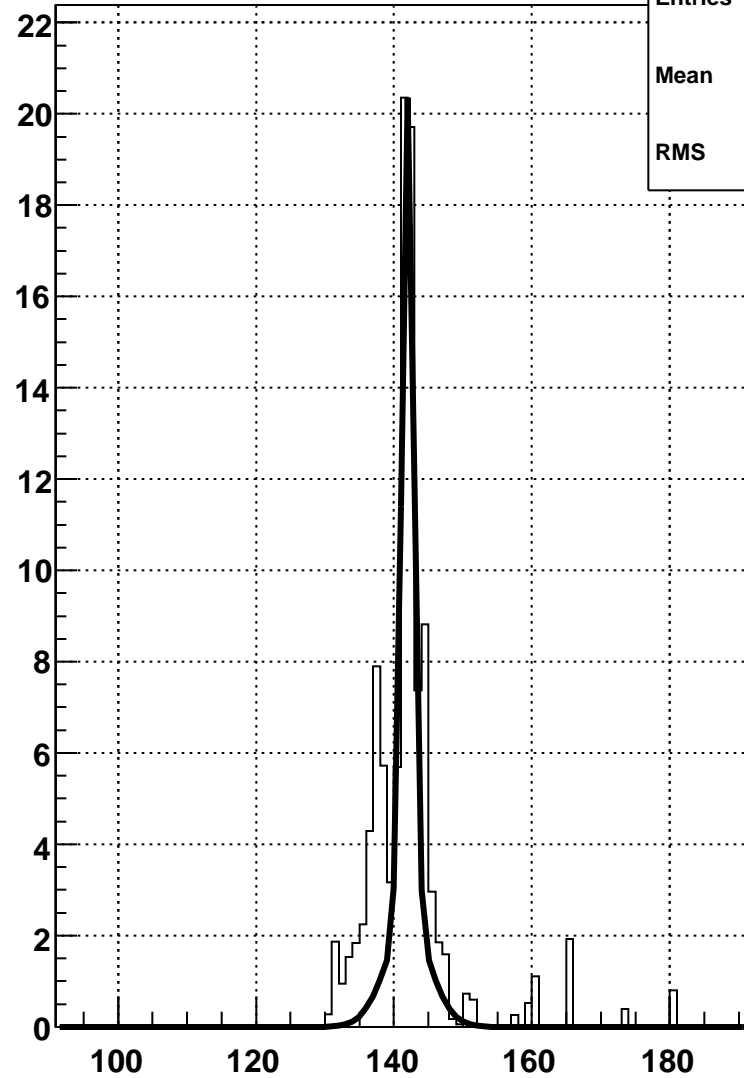
Entries	24
Mean	134.8
RMS	6.794



$p_T=5.1$  GeV,  $E=13.4$  GeV

**hSmdv**

Entries	28
Mean	142.3
RMS	6.612

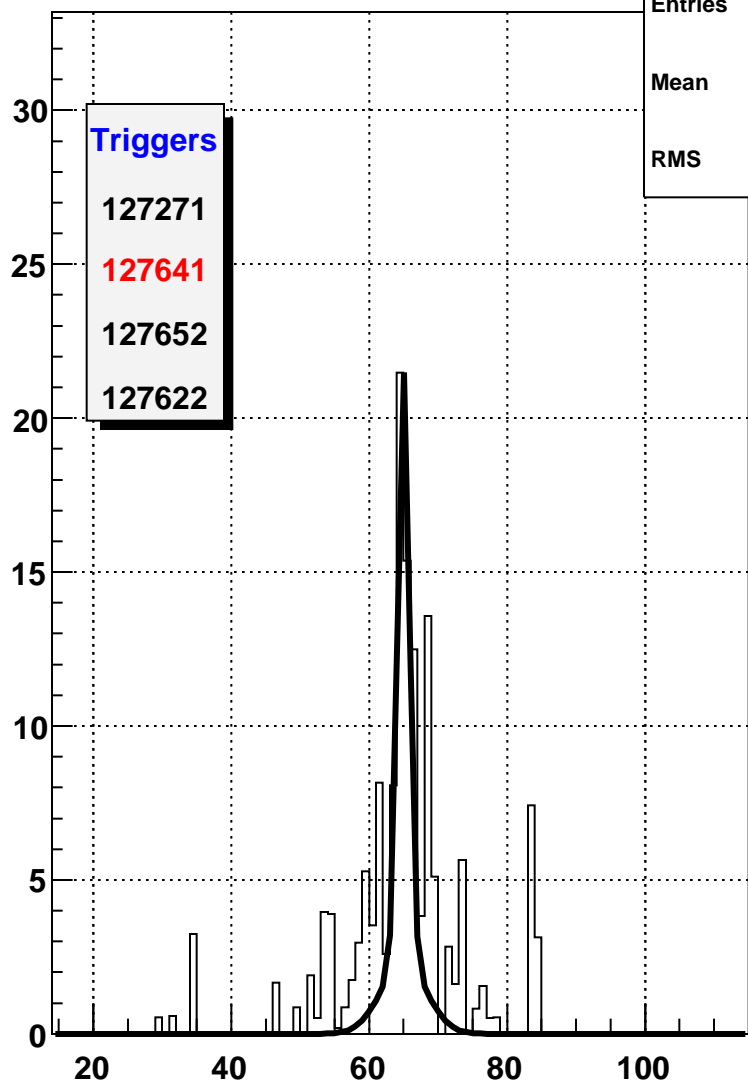




Run=7099047, Event=21381

**hSmdu**

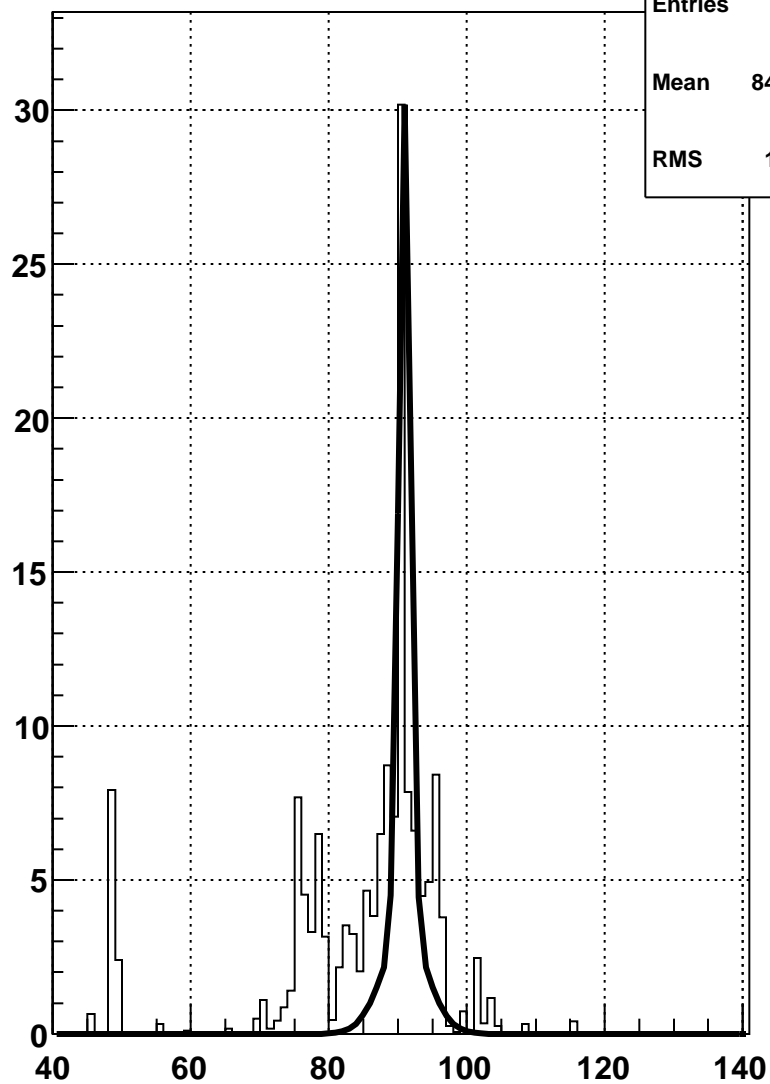
Entries	34
Mean	64.85
RMS	9.187



$p_T=6.2$  GeV,  $E=21.2$  GeV

**hSmdv**

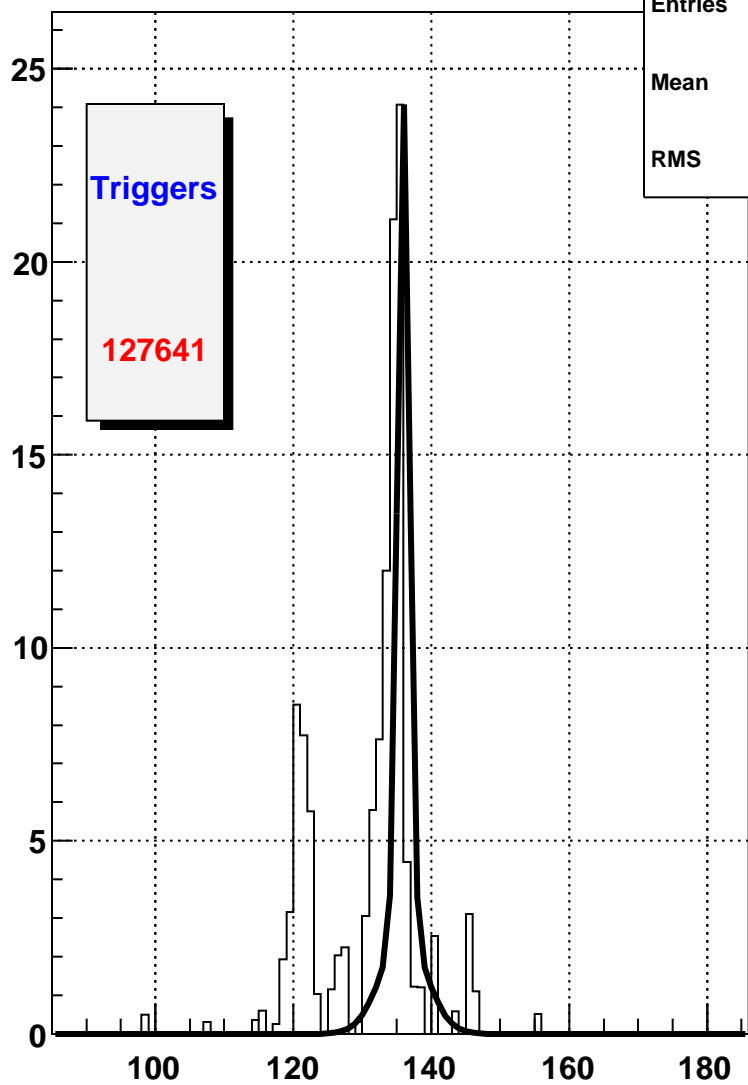
Entries	45
Mean	84.94
RMS	12.3



Run=7099047, Event=87661

**hSmdu**

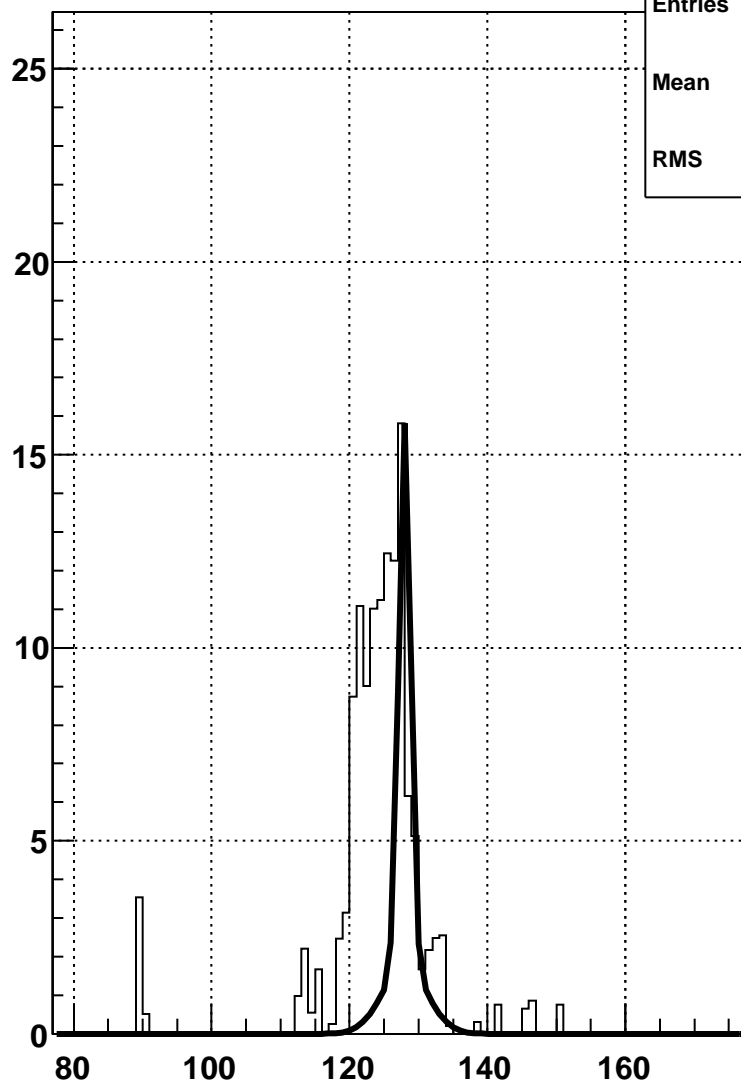
Entries	49
Mean	131.2
RMS	7.262



$p_T=5.4$  GeV,  $E=17.5$  GeV

**hSmdv**

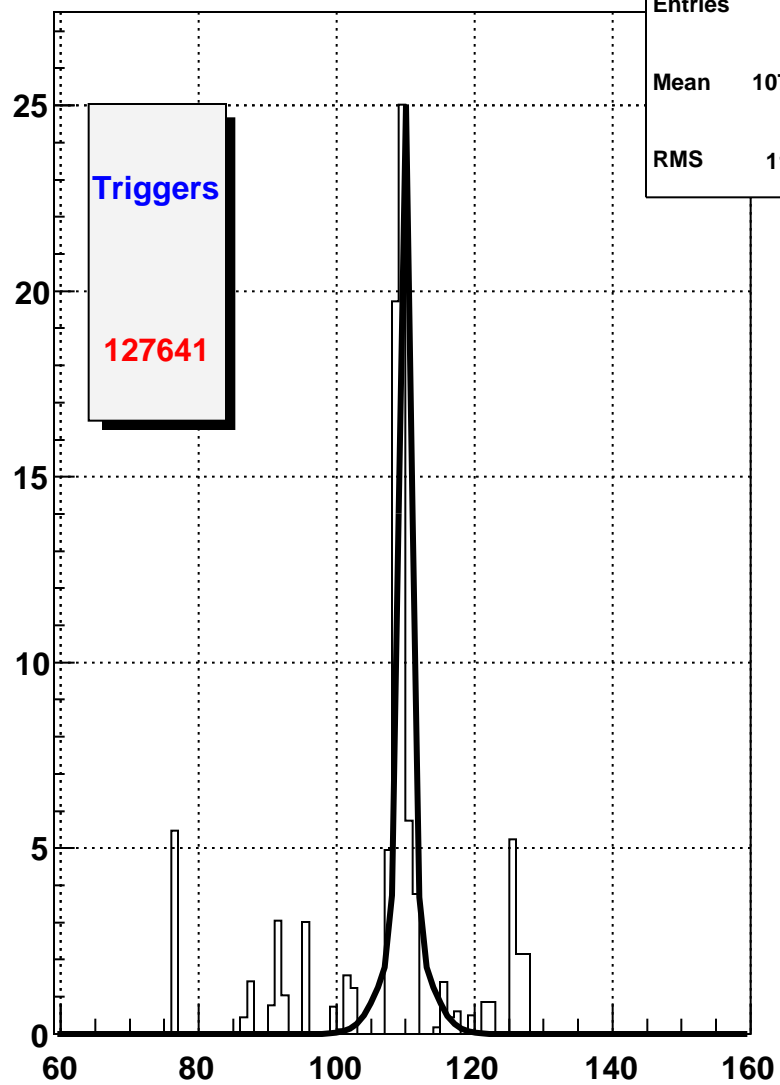
Entries	36
Mean	124.1
RMS	8.042



Run=7099047, Event=91199

**hSmdu**

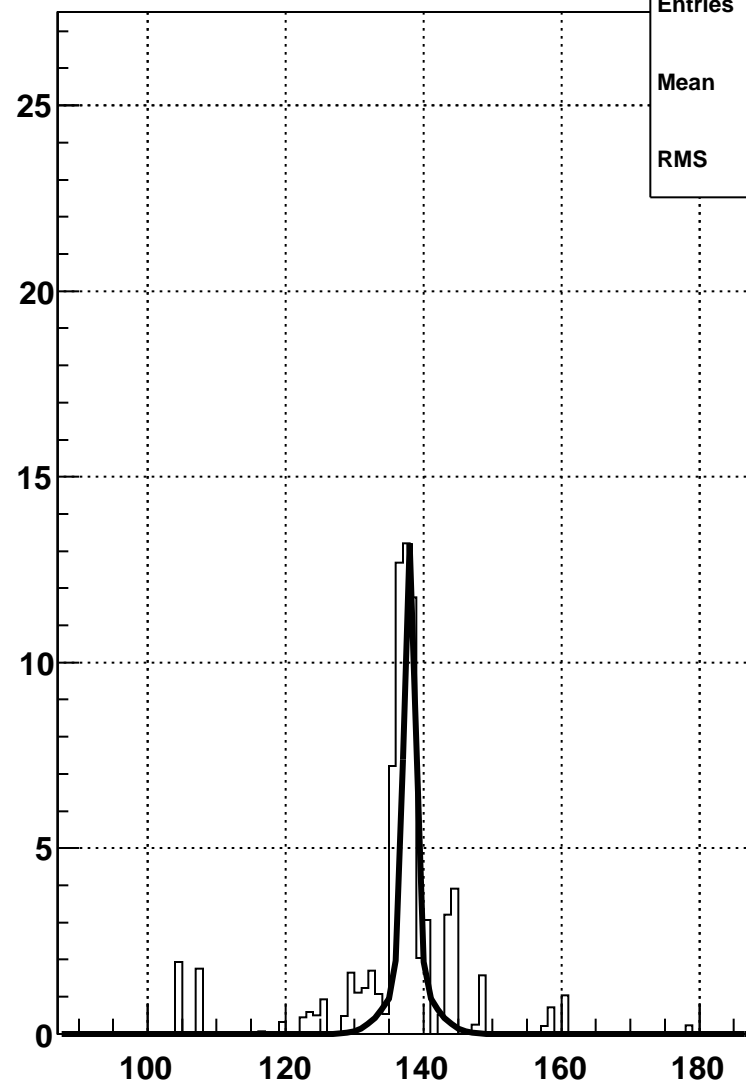
Entries	26
Mean	107.4
RMS	11.4



$p_T=5.4$  GeV,  $E=12.5$  GeV

**hSmdv**

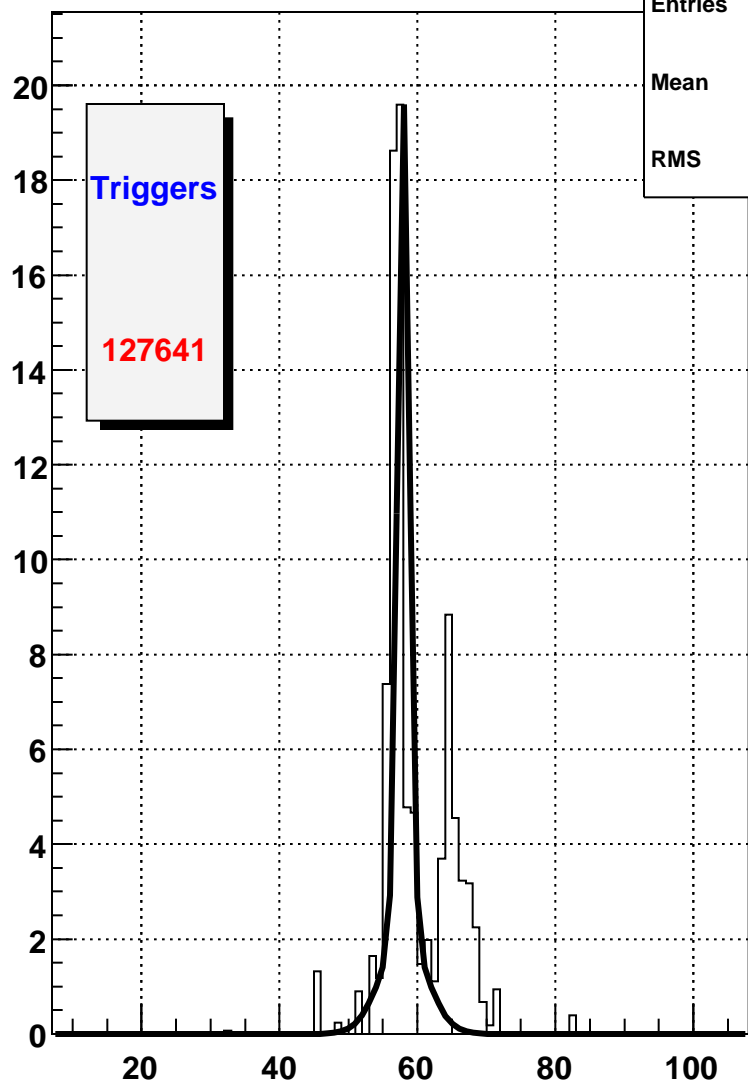
Entries	30
Mean	136.4
RMS	9.211



Run=7099047, Event=92670

**hSmdu**

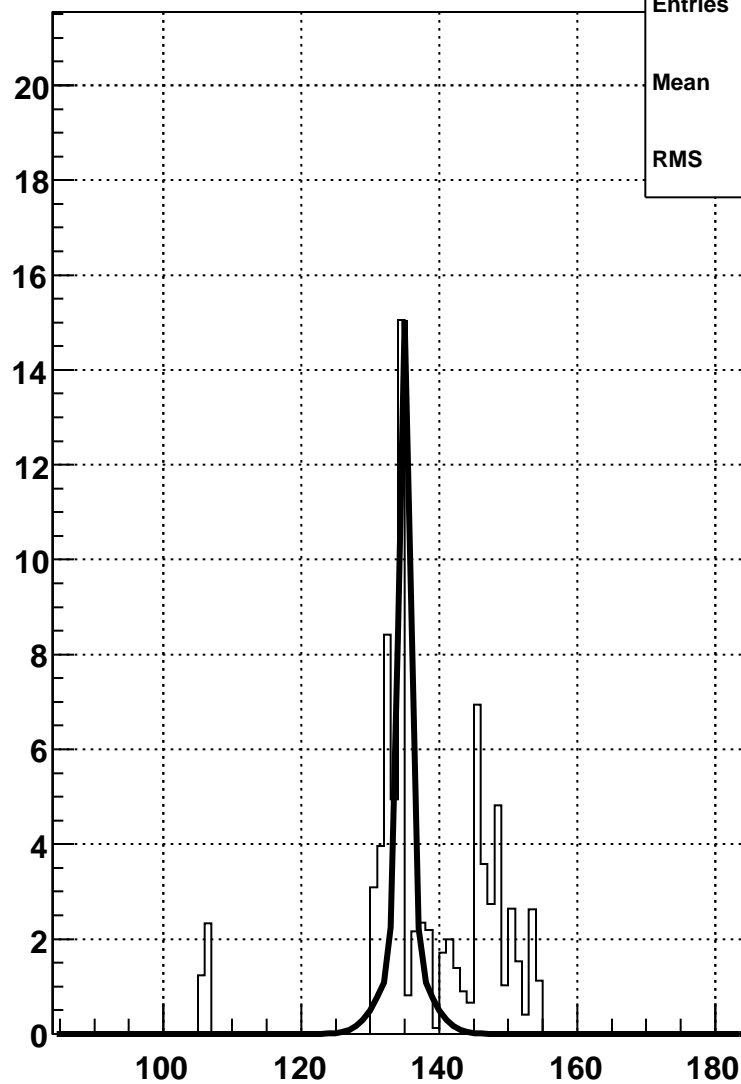
Entries	24
Mean	59.68
RMS	4.965



$p_T=5.1$  GeV,  $E=12.6$  GeV

**hSmdv**

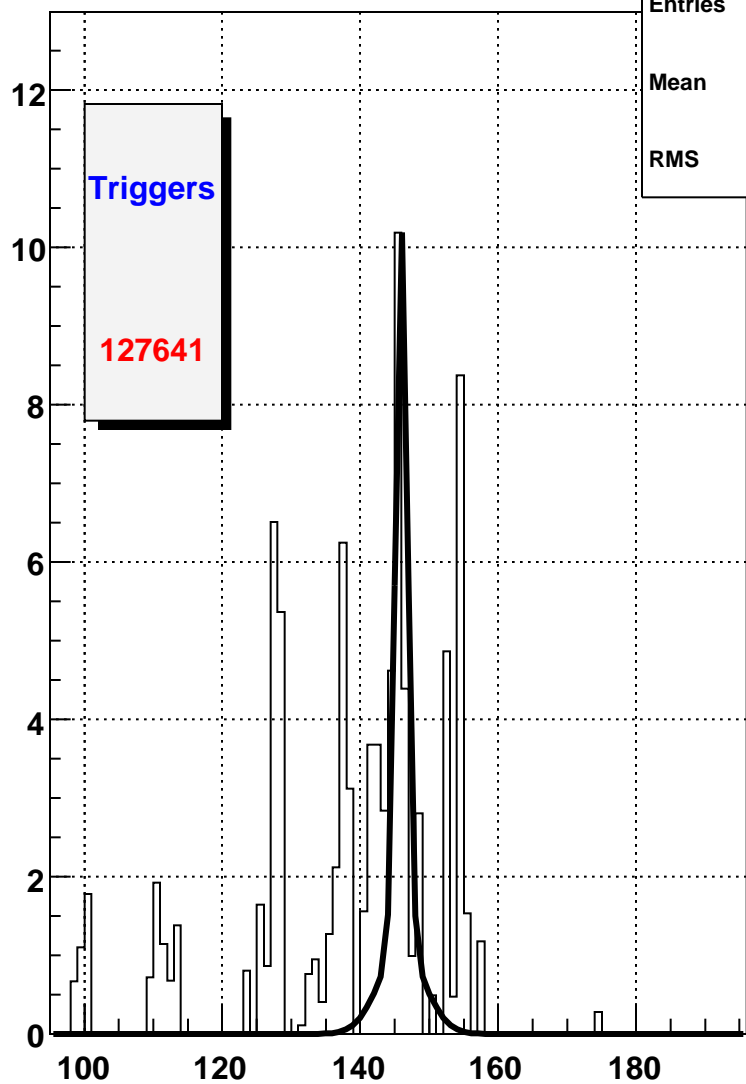
Entries	27
Mean	138.3
RMS	9.884



Run=7099047, Event=94838

**hSmdu**

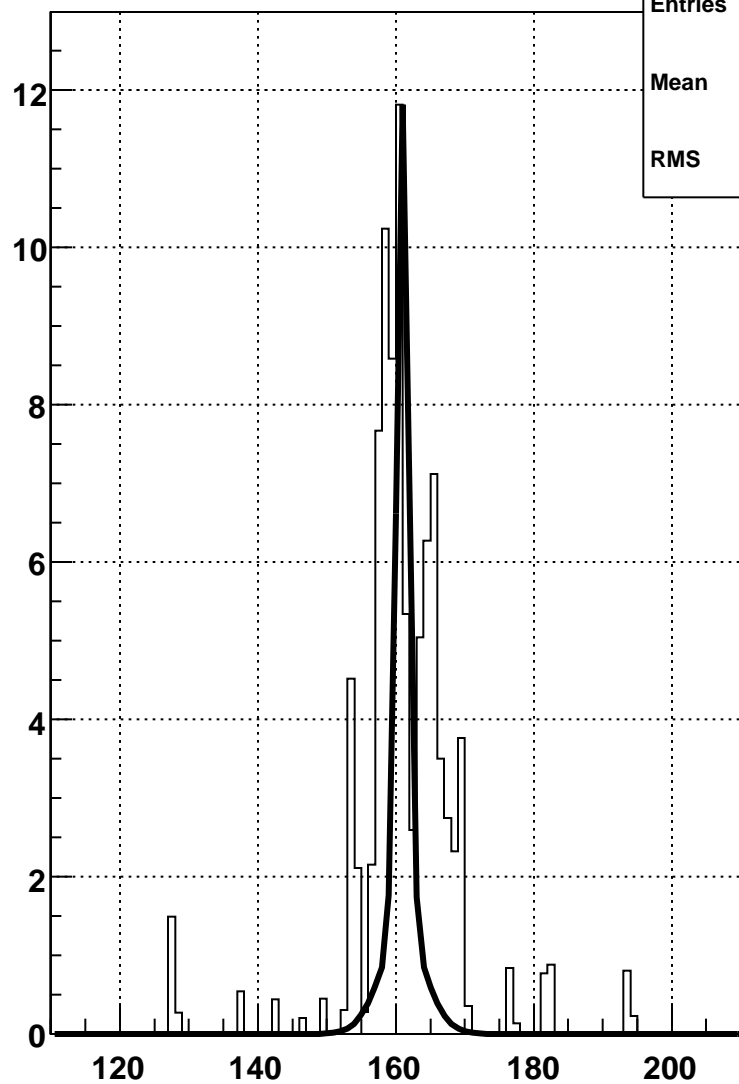
Entries	37
Mean	138.5
RMS	13.85



$p_T=5.9$  GeV,  $E=10.7$  GeV

**hSmdv**

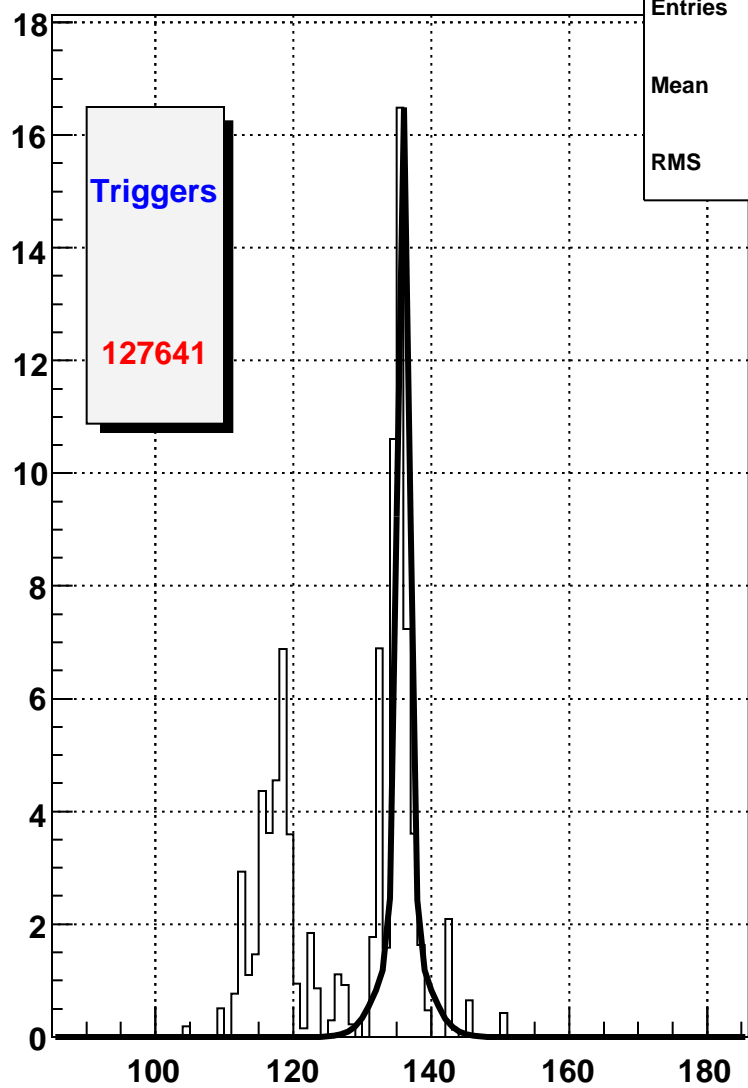
Entries	31
Mean	161.3
RMS	8.055



Run=7099047, Event=148653

**hSmdu**

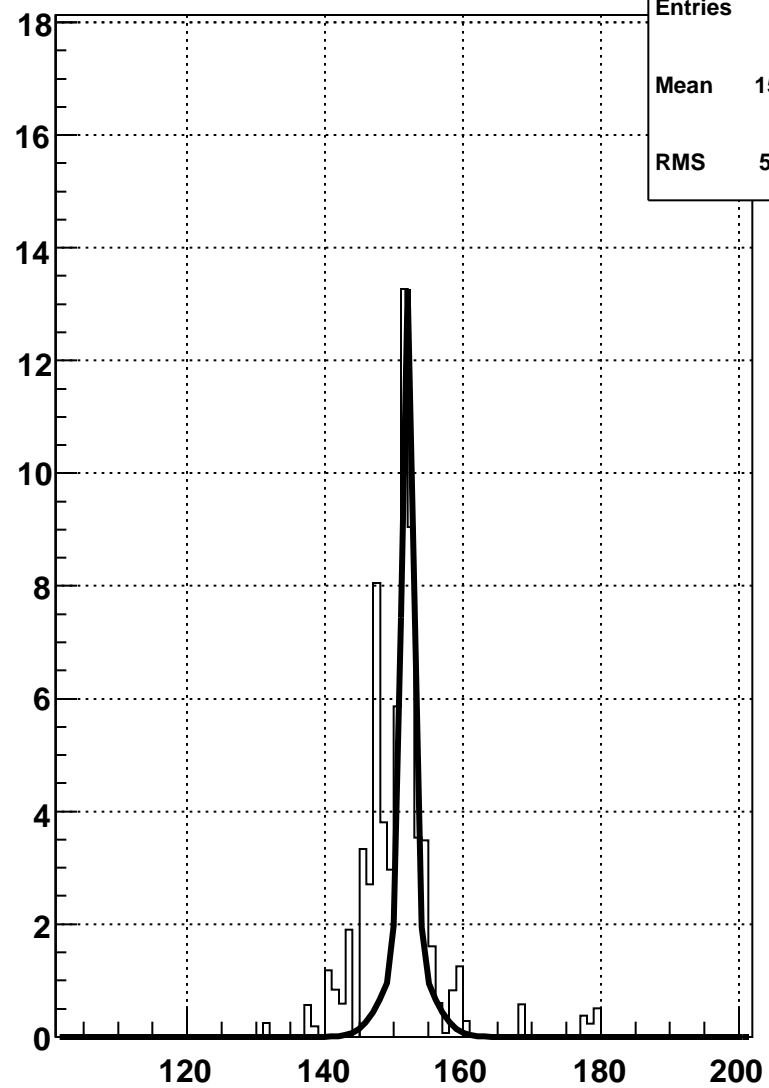
Entries	32
Mean	128.4
RMS	9.381



$p_T=5.7$  GeV,  $E=12.0$  GeV

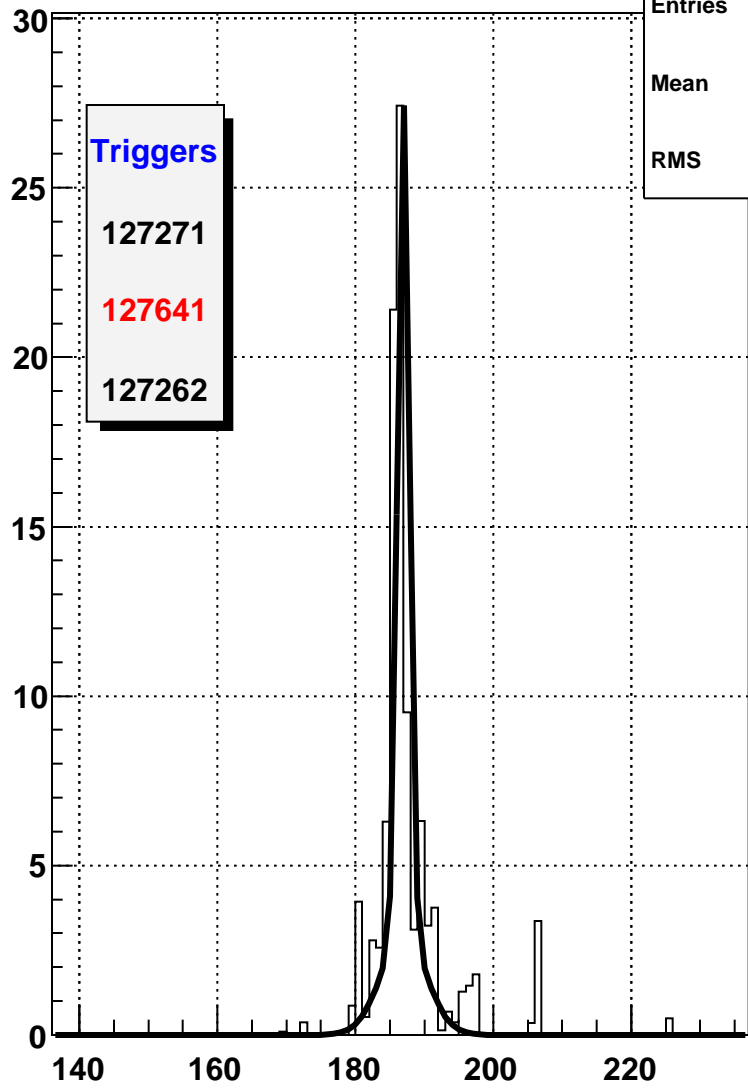
**hSmdv**

Entries	27
Mean	150.7
RMS	5.701



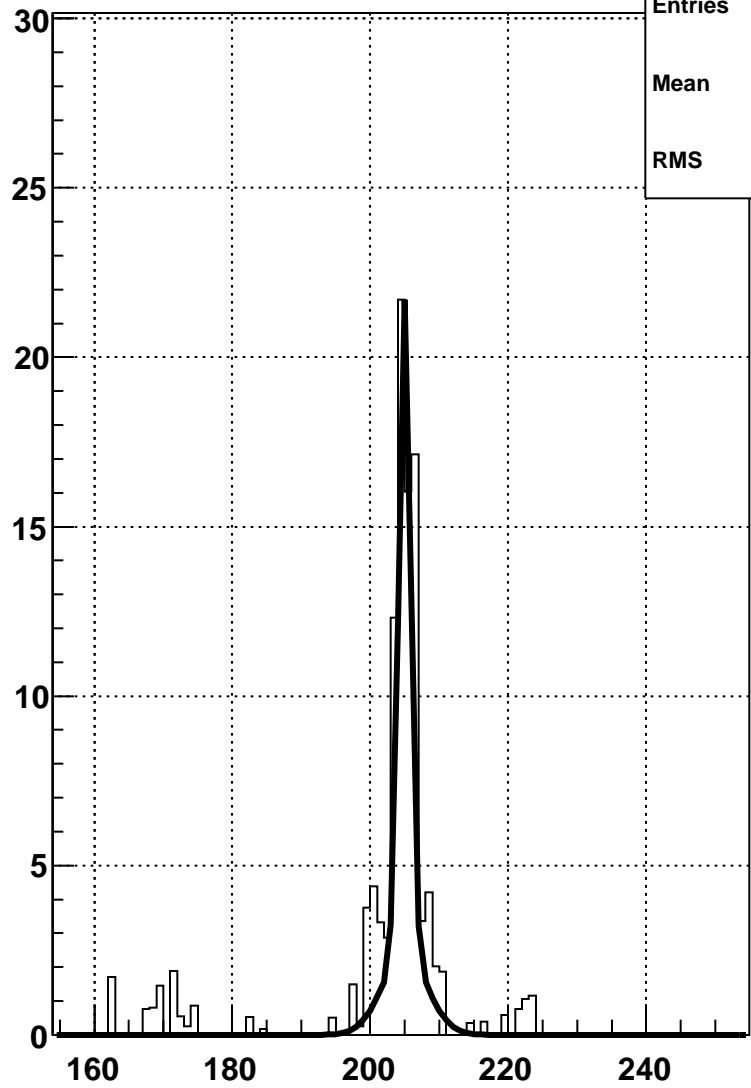
Run=7099047, Event=148885

**hSmdu**



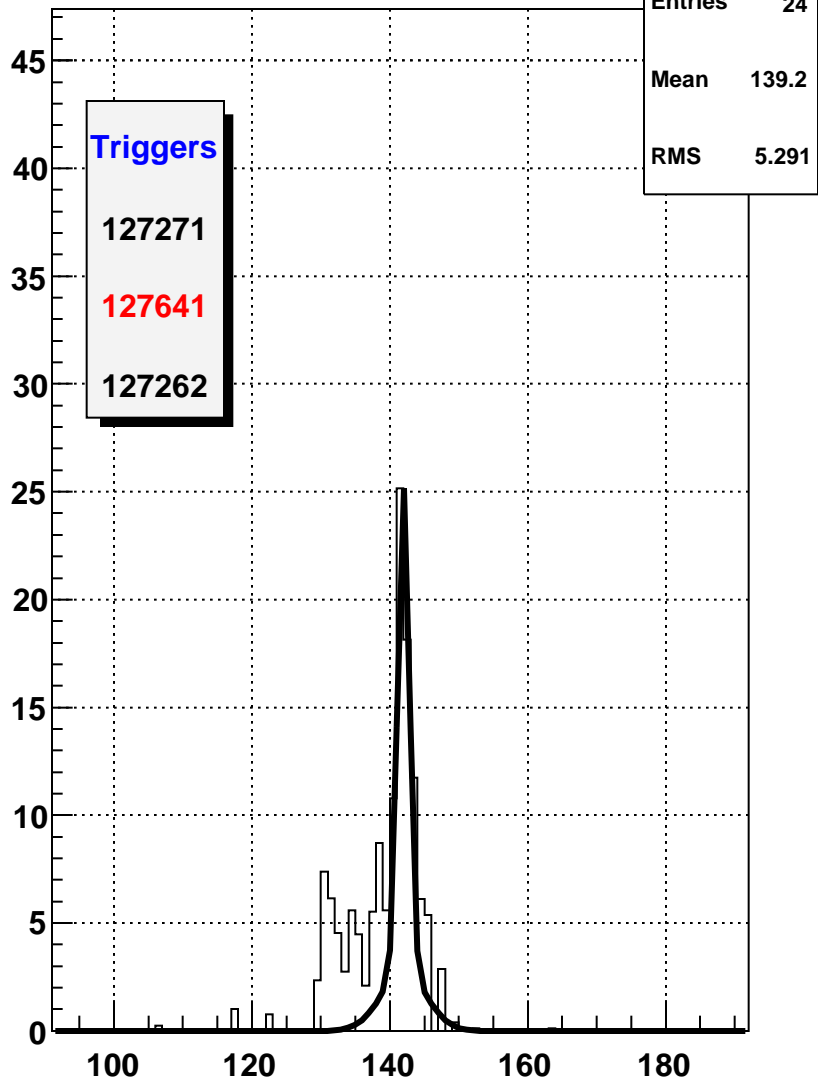
$p_T=7.0$  GeV,  $E=12.9$  GeV

**hSmdv**



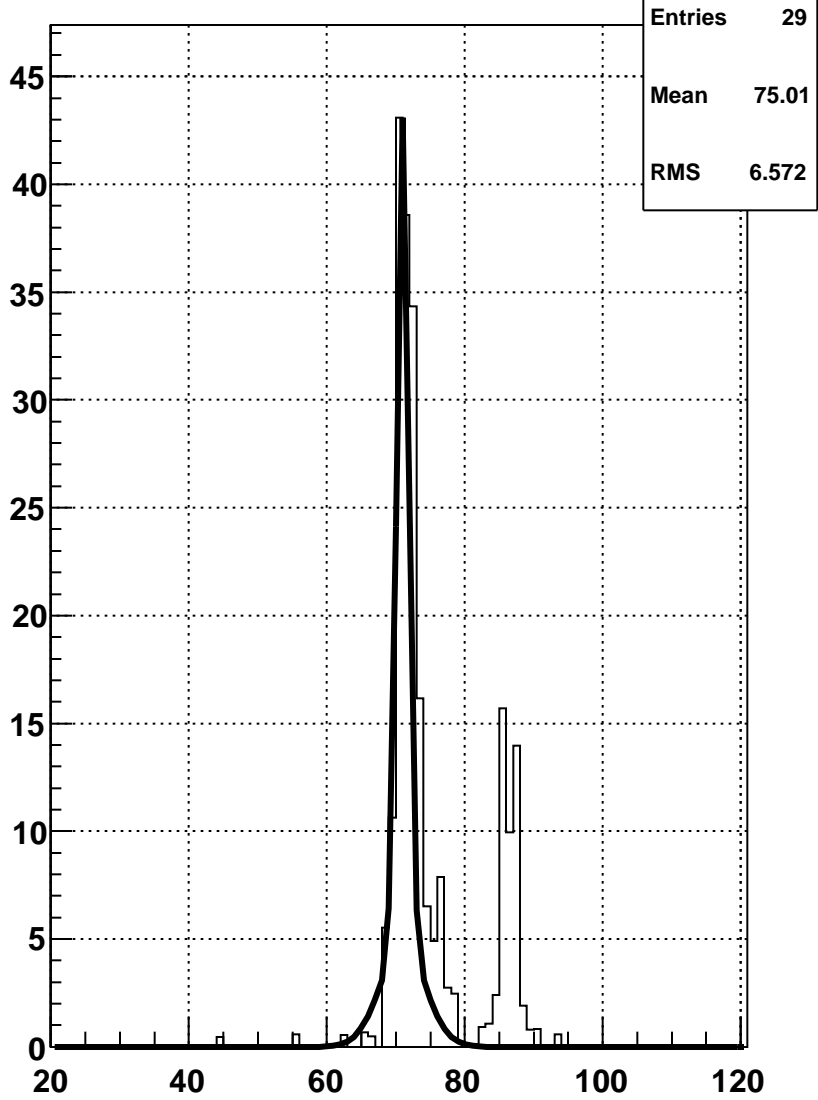
Run=7099047, Event=149519

**hSmdu**



$p_T=5.7$  GeV,  $E=15.5$  GeV

**hSmdv**

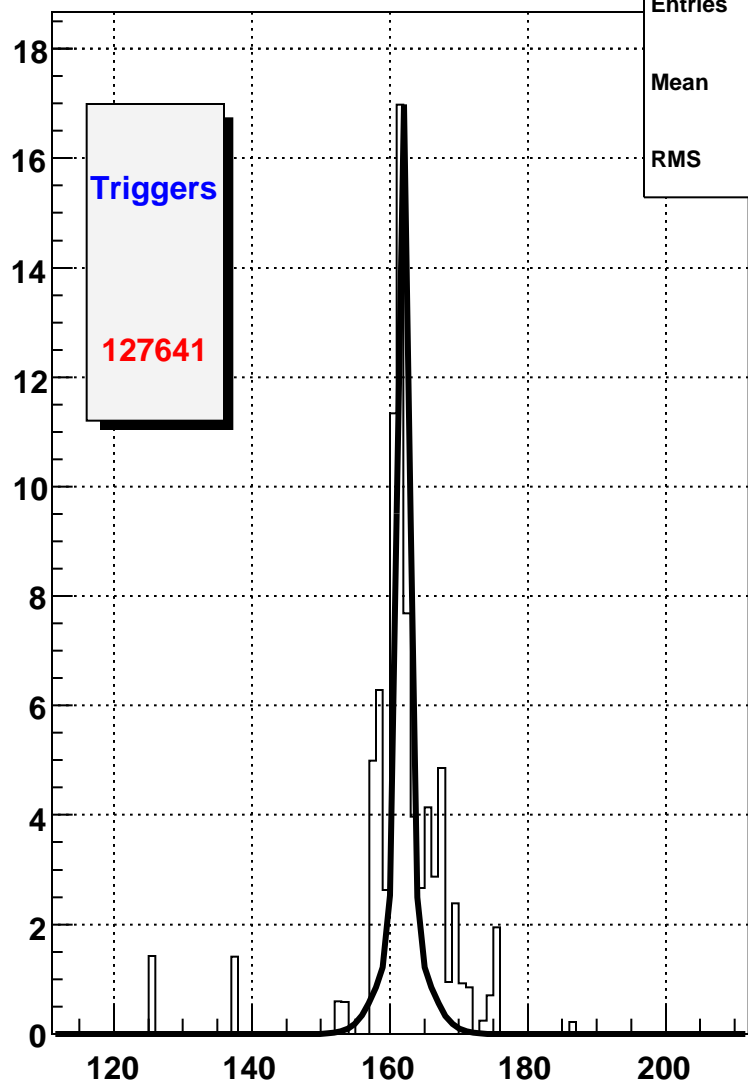




Run=7099047, Event=149656

**hSmdu**

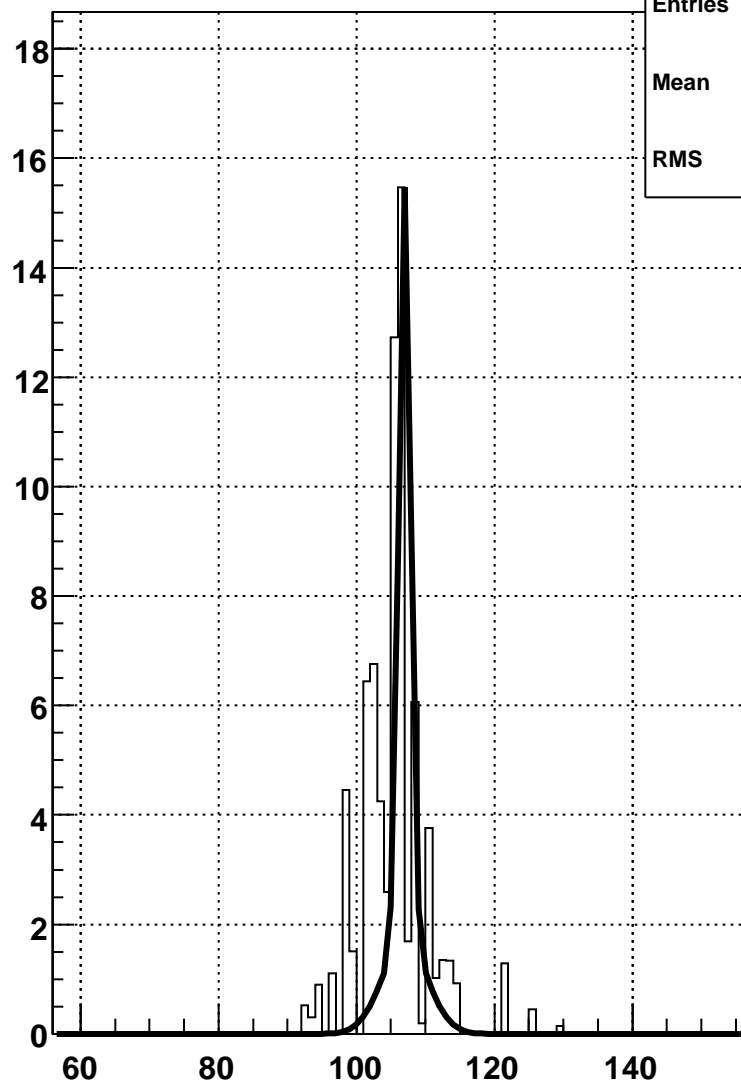
Entries	23
Mean	161.8
RMS	7.285



$p_T=6.0$  GeV,  $E=10.7$  GeV

**hSmdv**

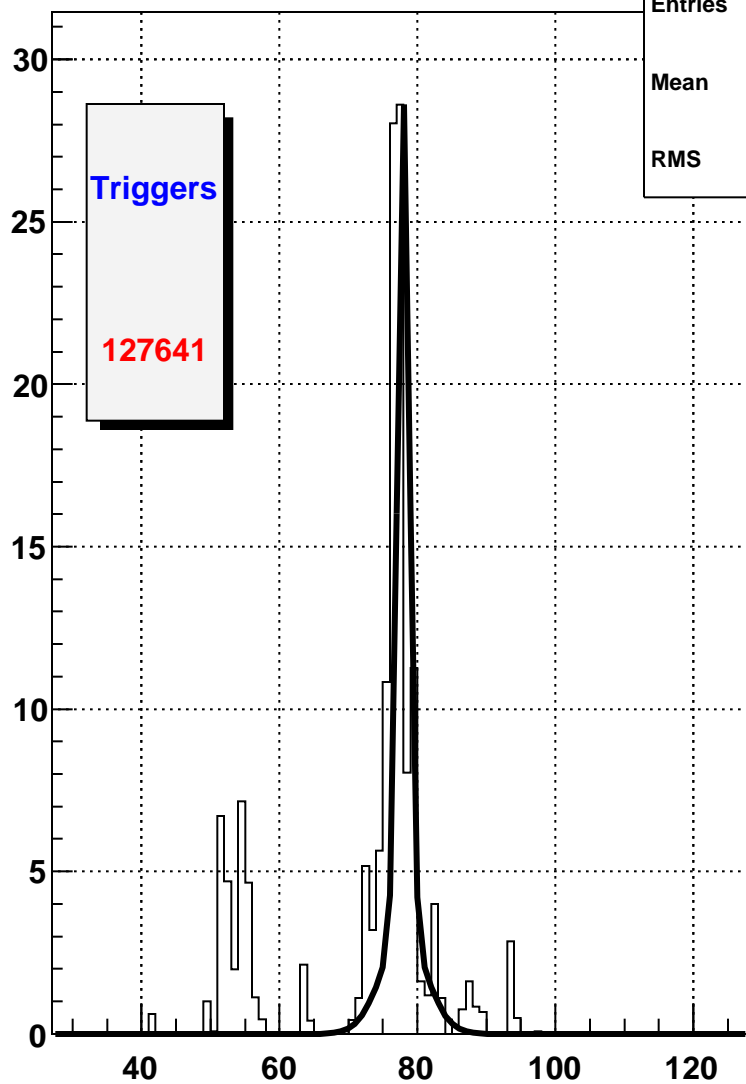
Entries	23
Mean	105.5
RMS	4.917



Run=7099047, Event=150069

**hSmdu**

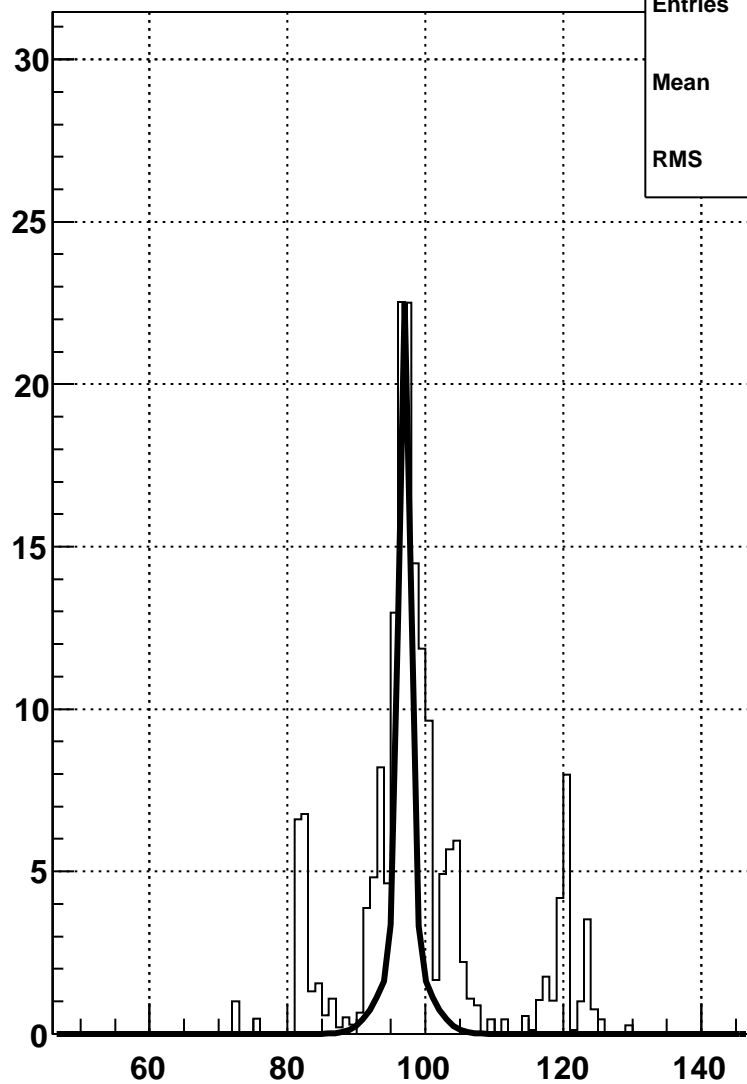
Entries	34
Mean	72.95
RMS	10.47



$p_T=5.3$  GeV,  $E=15.0$  GeV

**hSmdv**

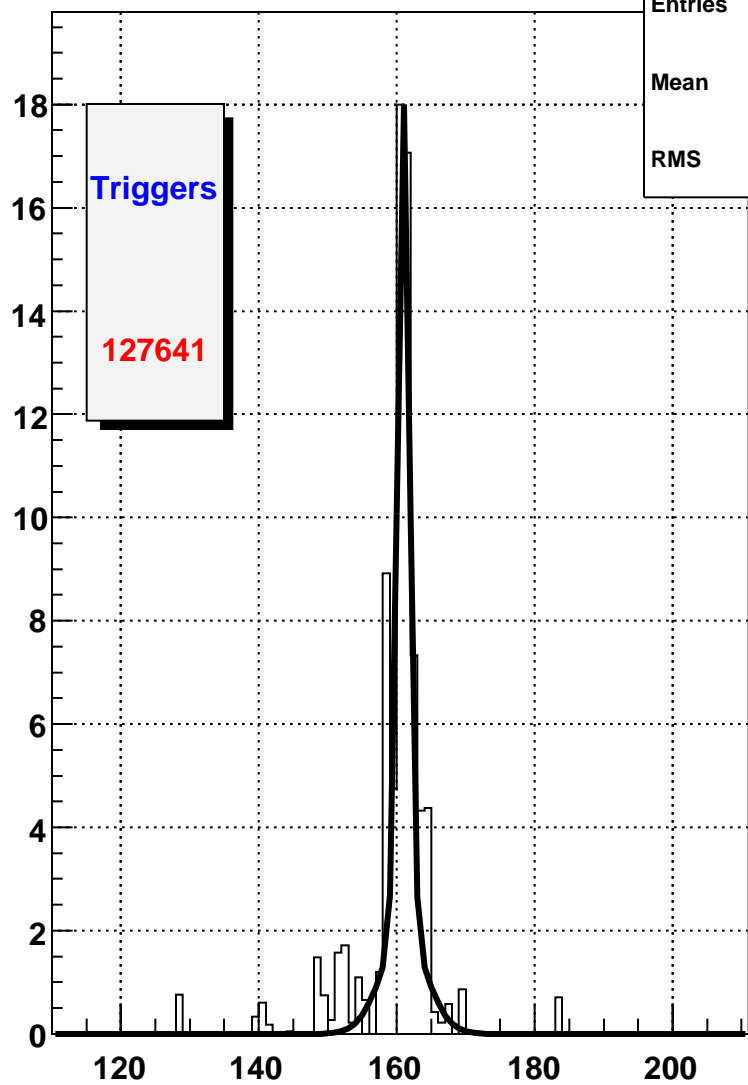
Entries	44
Mean	99.09
RMS	10.05



Run=7099047, Event=150644

**hSmdu**

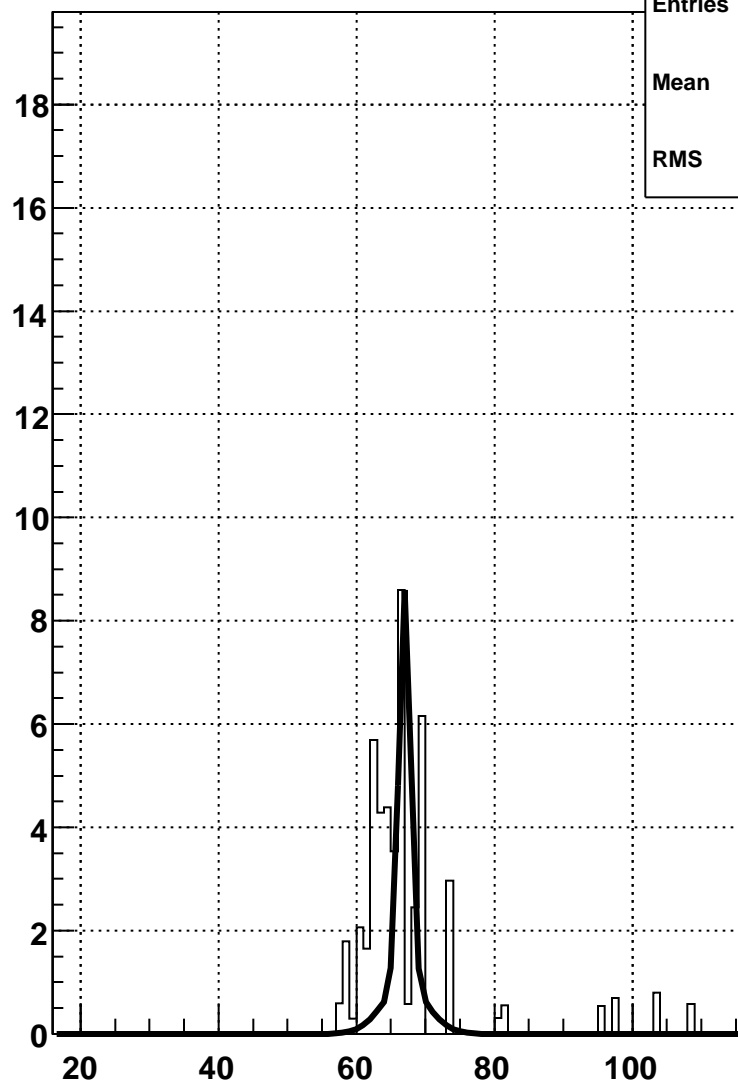
Entries	29
Mean	159.9
RMS	5.701



$p_T=5.9$  GeV,  $E=10.0$  GeV

**hSmdv**

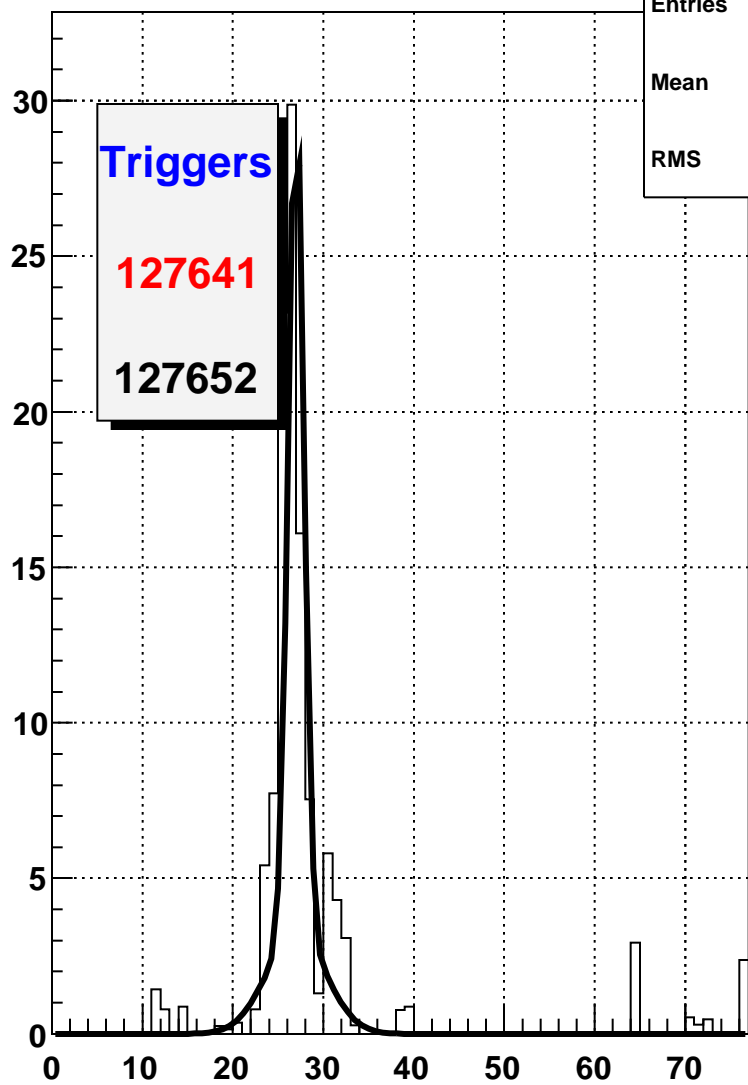
Entries	48
Mean	67.69
RMS	9.088



Run=7099047, Event=151272

**hSmdu**

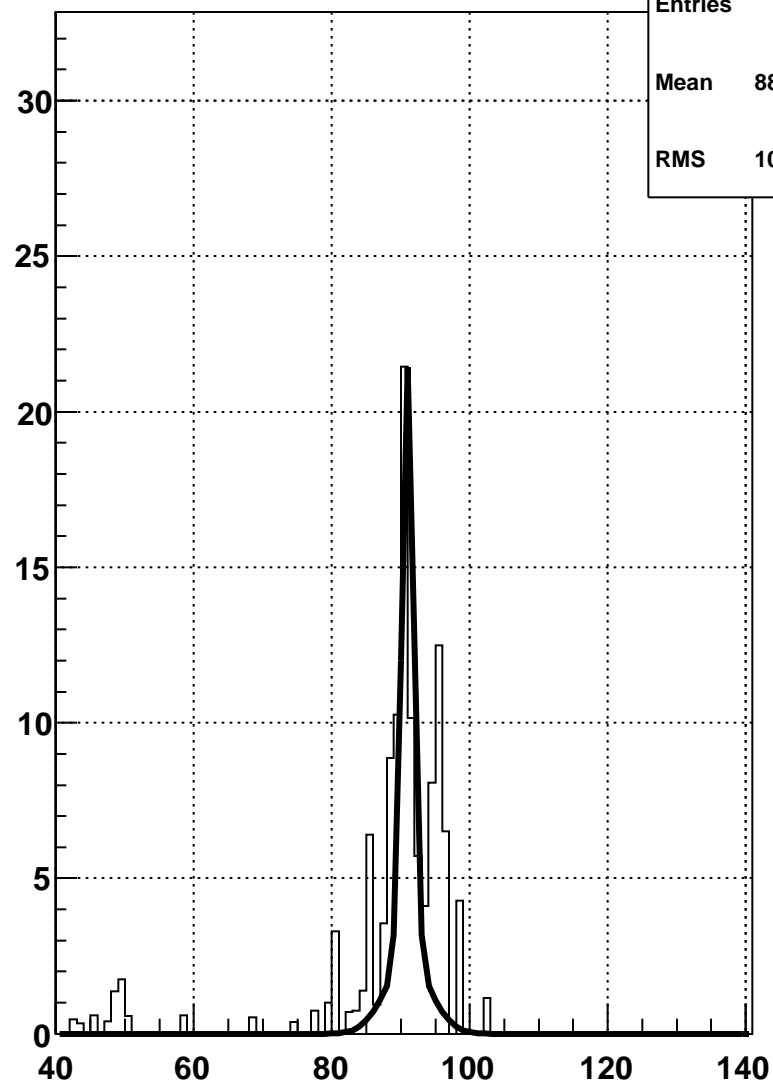
Entries	46
Mean	29.07
RMS	10.67



$p_T=5.1$  GeV,  $E=18.0$  GeV

**hSmdv**

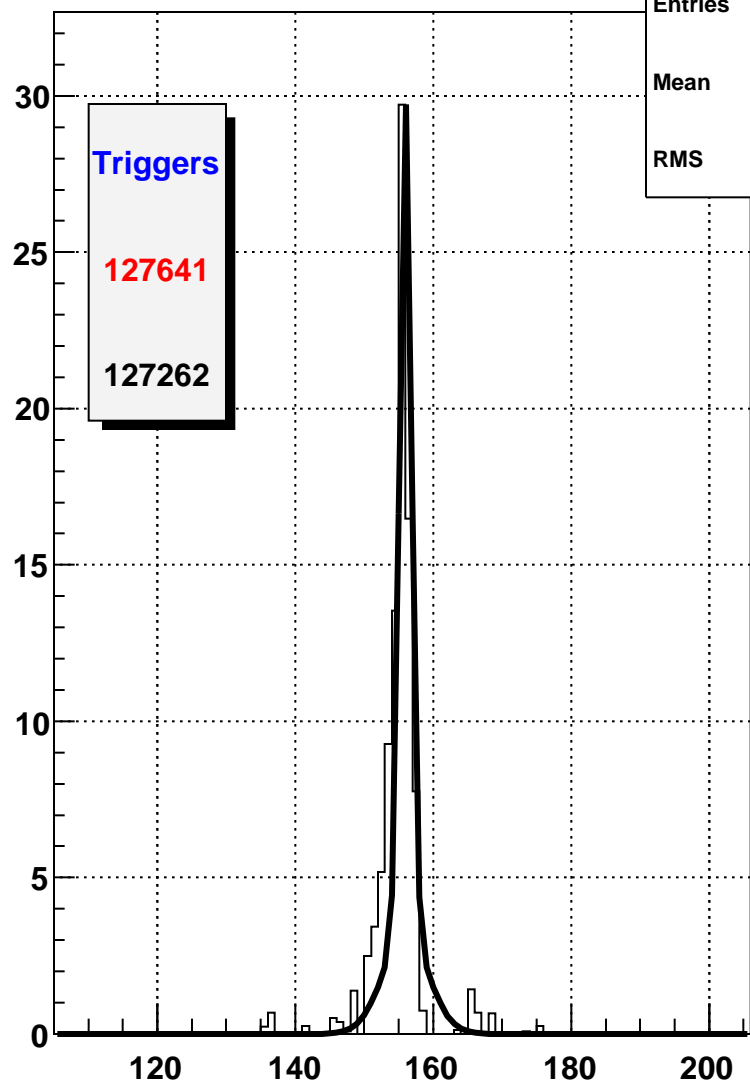
Entries	43
Mean	88.79
RMS	10.38



Run=7099047, Event=151871

**hSmdu**

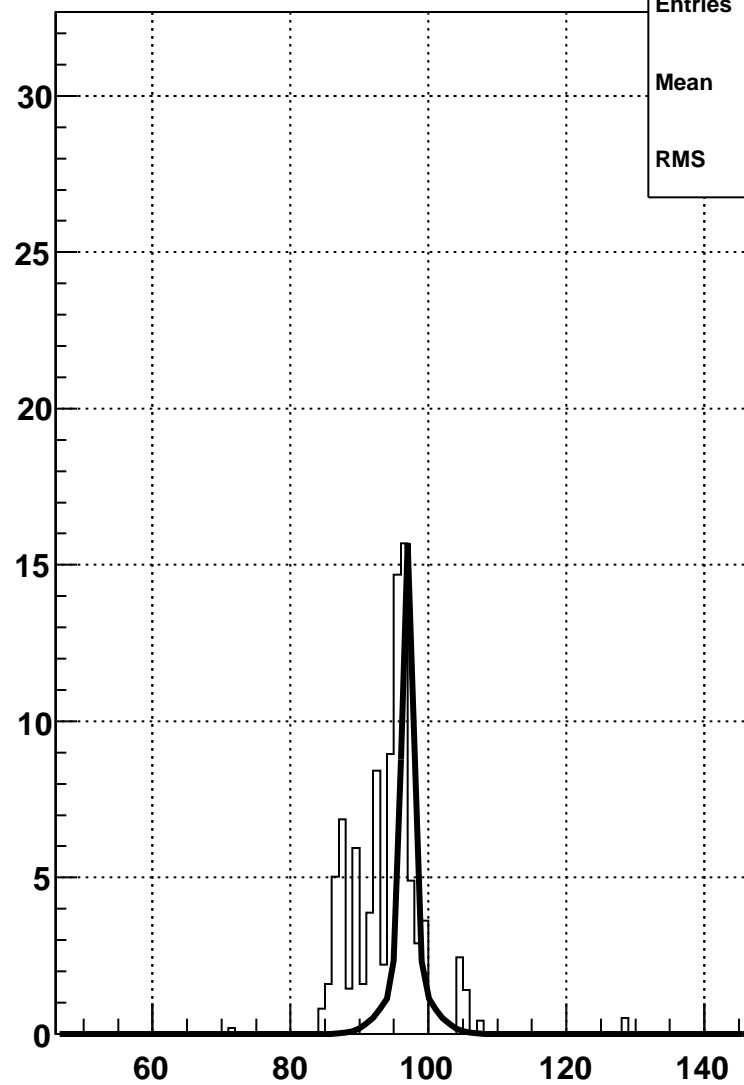
Entries	22
Mean	155.1
RMS	3.649



$p_T=5.2$  GeV,  $E=12.7$  GeV

**hSmdv**

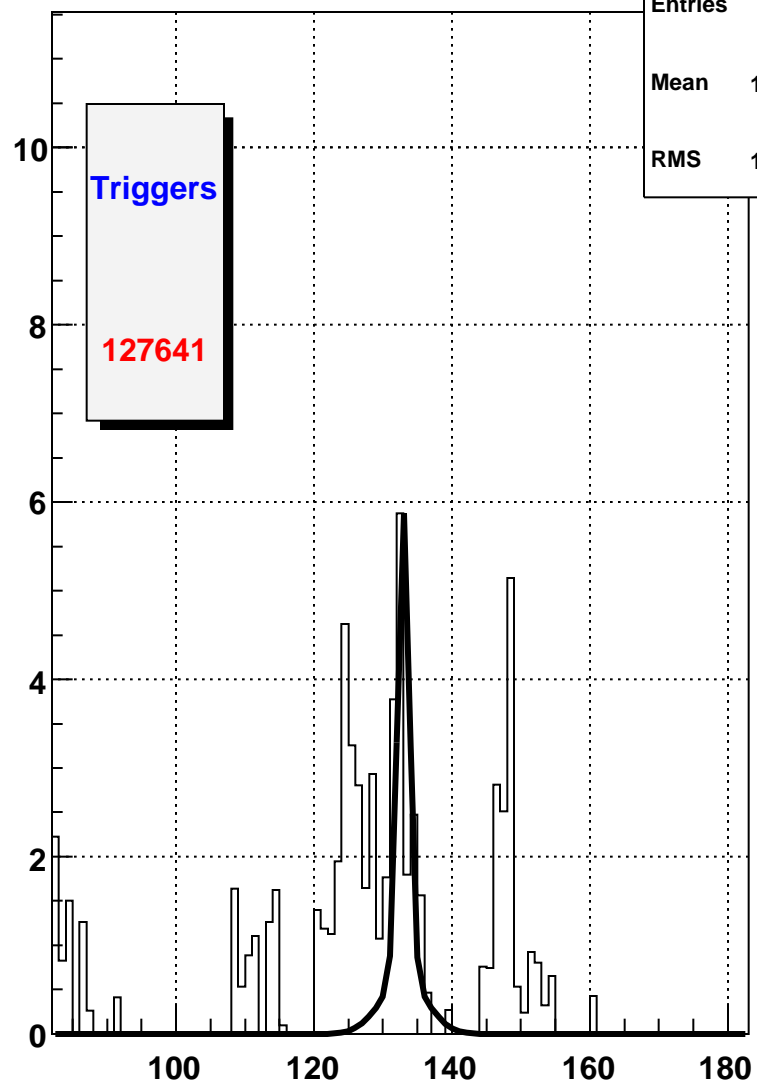
Entries	21
Mean	94.09
RMS	5.244



Run=7099047, Event=151907

**hSmdu**

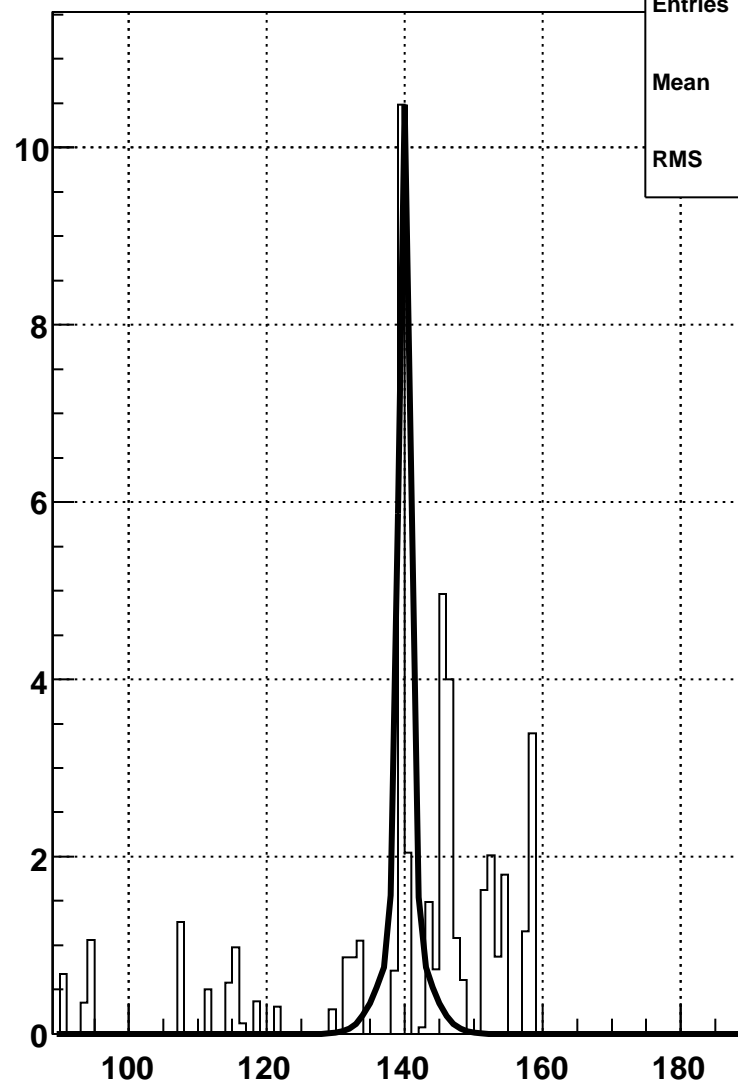
Entries	56
Mean	127.4
RMS	17.77



$p_T=5.9$  GeV,  $E=13.0$  GeV

**hSmdv**

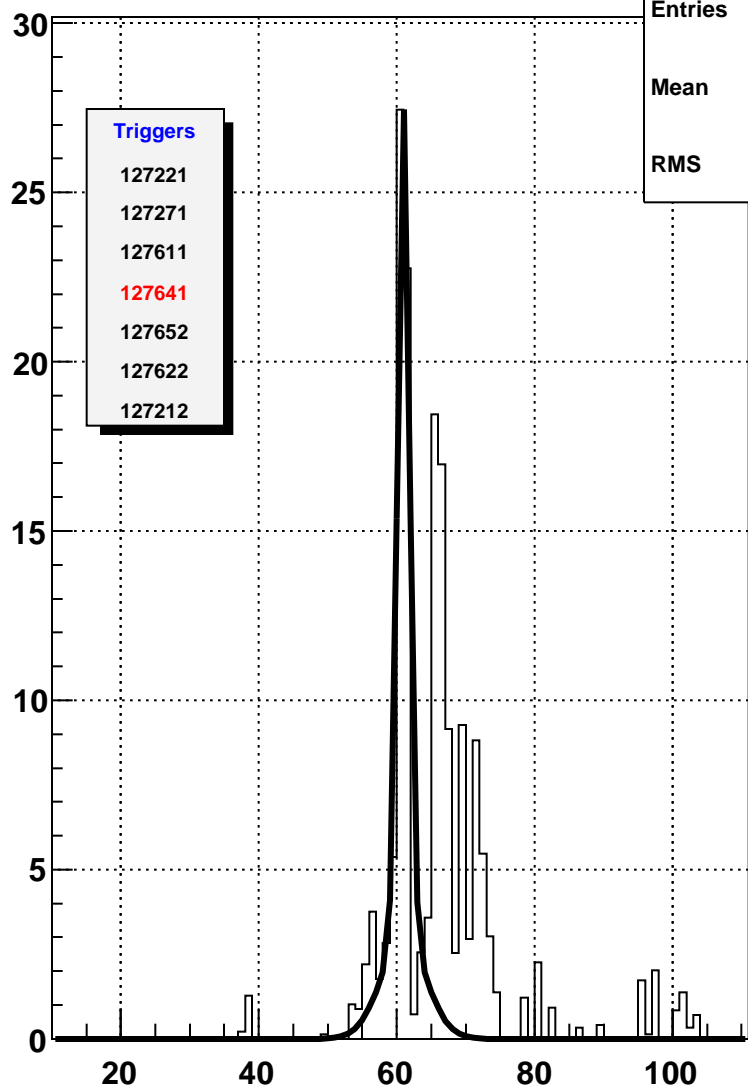
Entries	56
Mean	140
RMS	15.34



Run=7099047, Event=152143

**hSmdu**

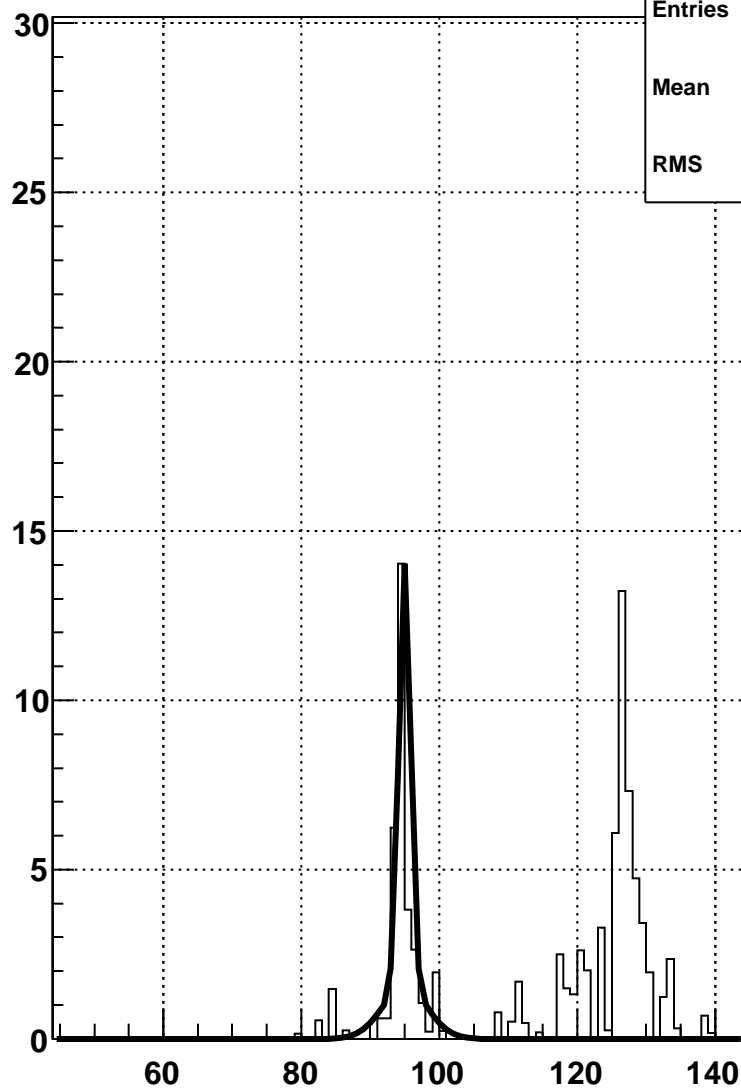
Entries	37
Mean	66.2
RMS	9.132



$p_T=6.0$  GeV,  $E=17.5$  GeV

**hSmdv**

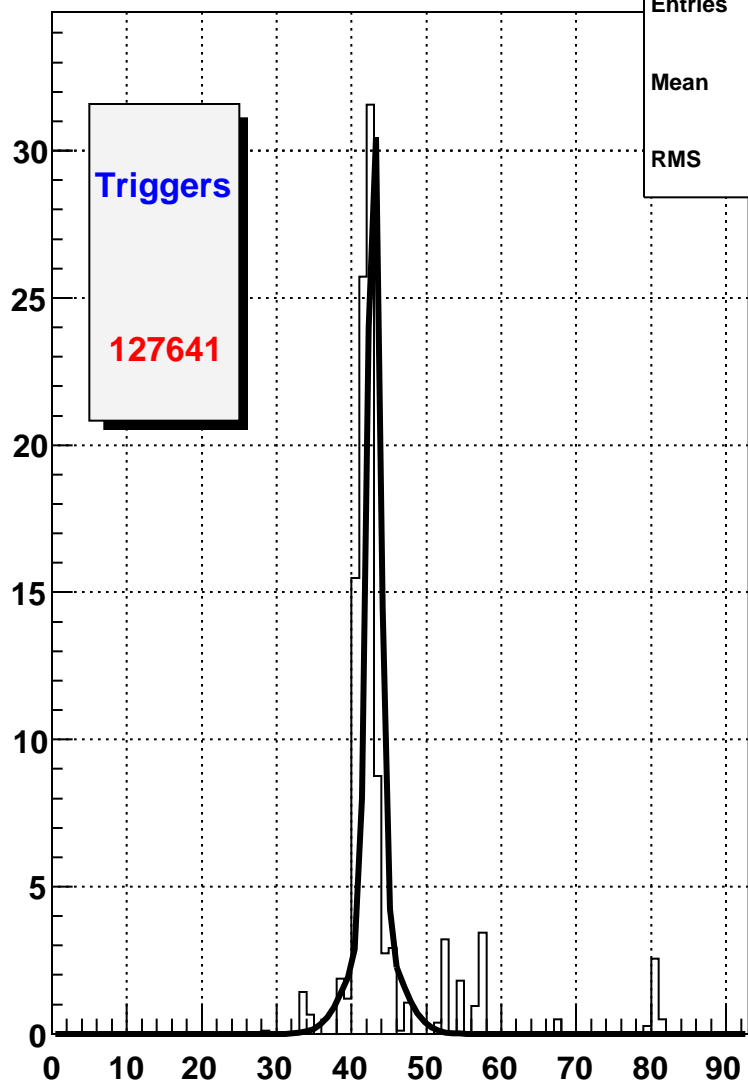
Entries	38
Mean	113.9
RMS	15.73



Run=7099047, Event=113593

**hSmdu**

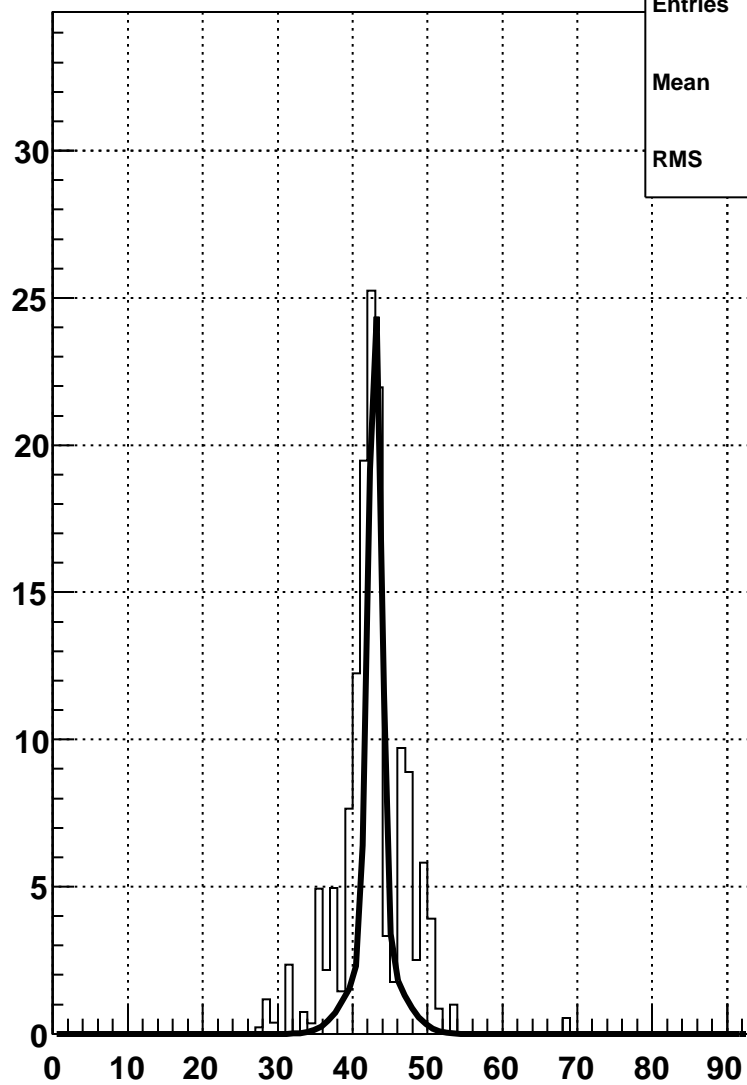
Entries	22
Mean	44.38
RMS	7.891



$p_T=5.1$  GeV,  $E=21.6$  GeV

**hSmdv**

Entries	26
Mean	42.71
RMS	4.566

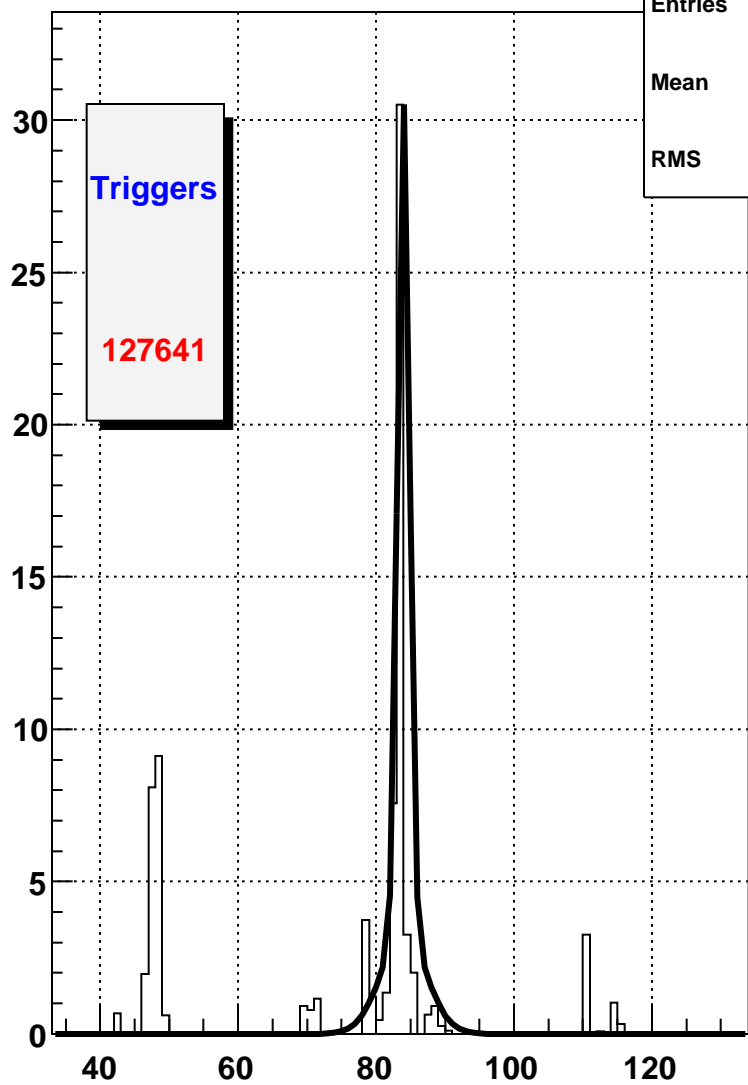




Run=7099047, Event=114215

**hSmdu**

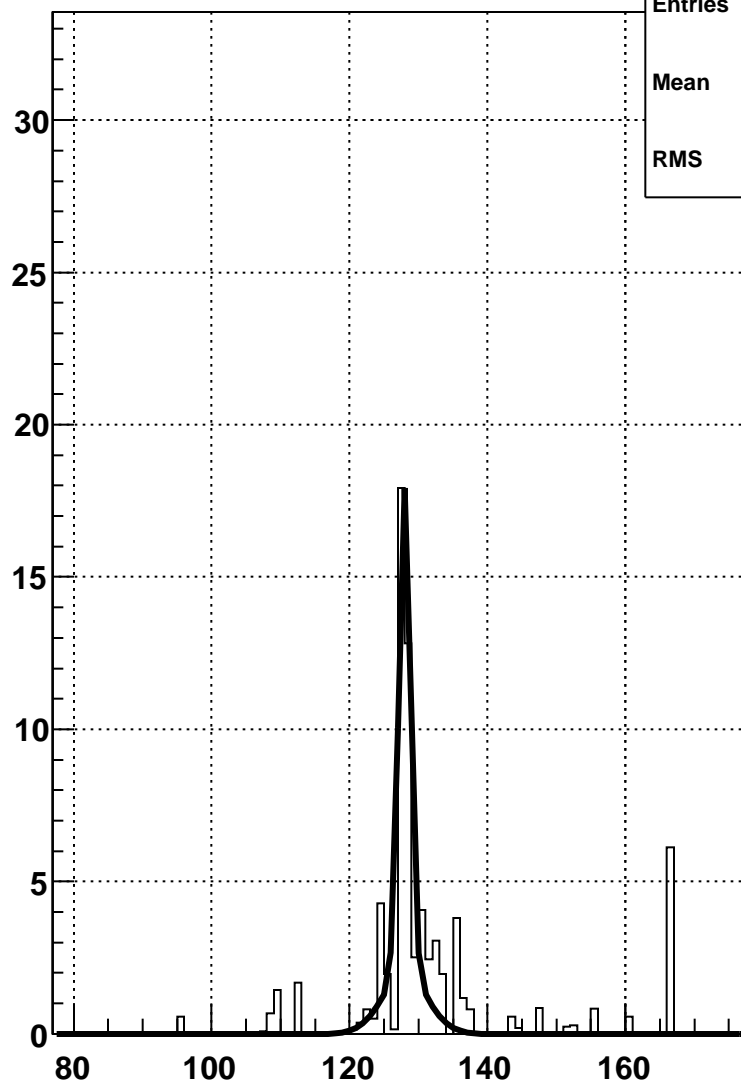
Entries	24
Mean	75.3
RMS	17.77



$p_T=5.7$  GeV,  $E=14.0$  GeV

**hSmdv**

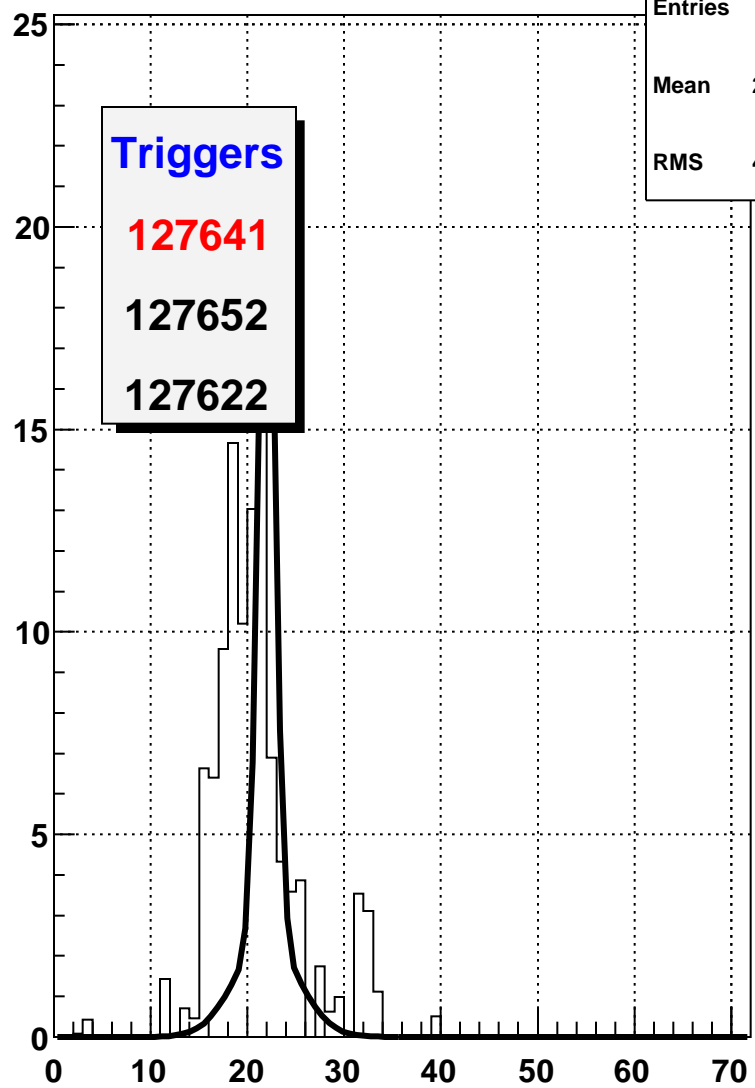
Entries	30
Mean	132
RMS	13.04



Run=7099047, Event=148851

**hSmdu**

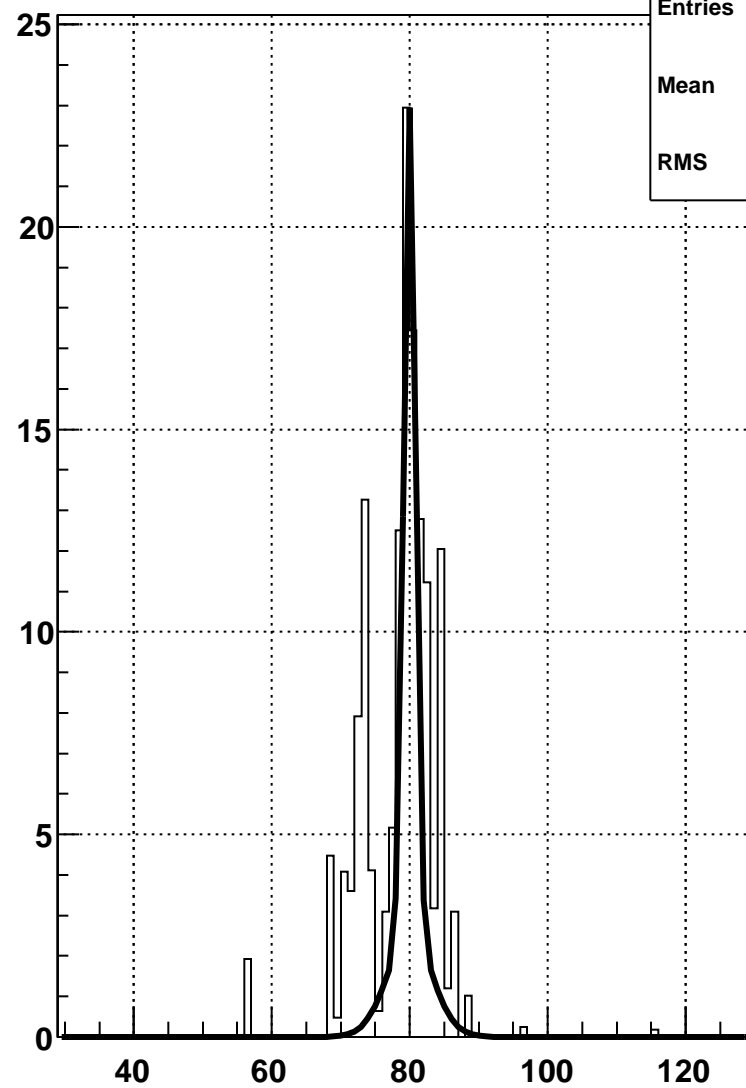
Entries	23
Mean	20.96
RMS	4.559



$p_T=6.1$  GeV,  $E=13.3$  GeV

**hSmdv**

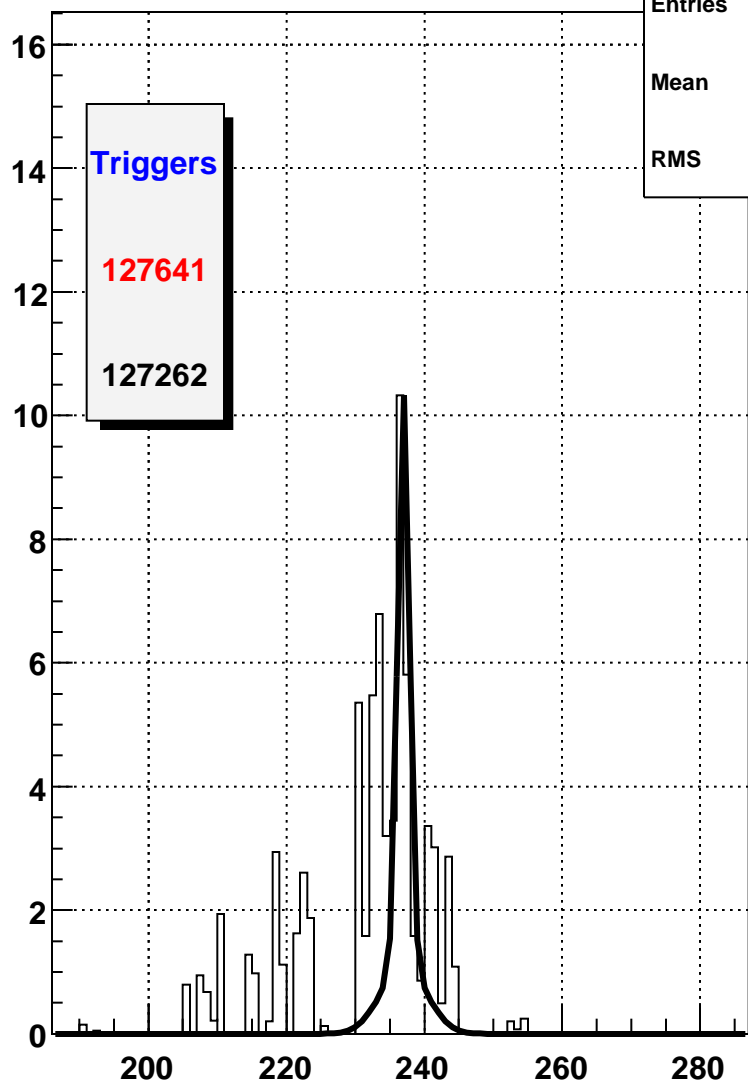
Entries	23
Mean	78.44
RMS	5.316



Run=7099047, Event=81473

**hSmdu**

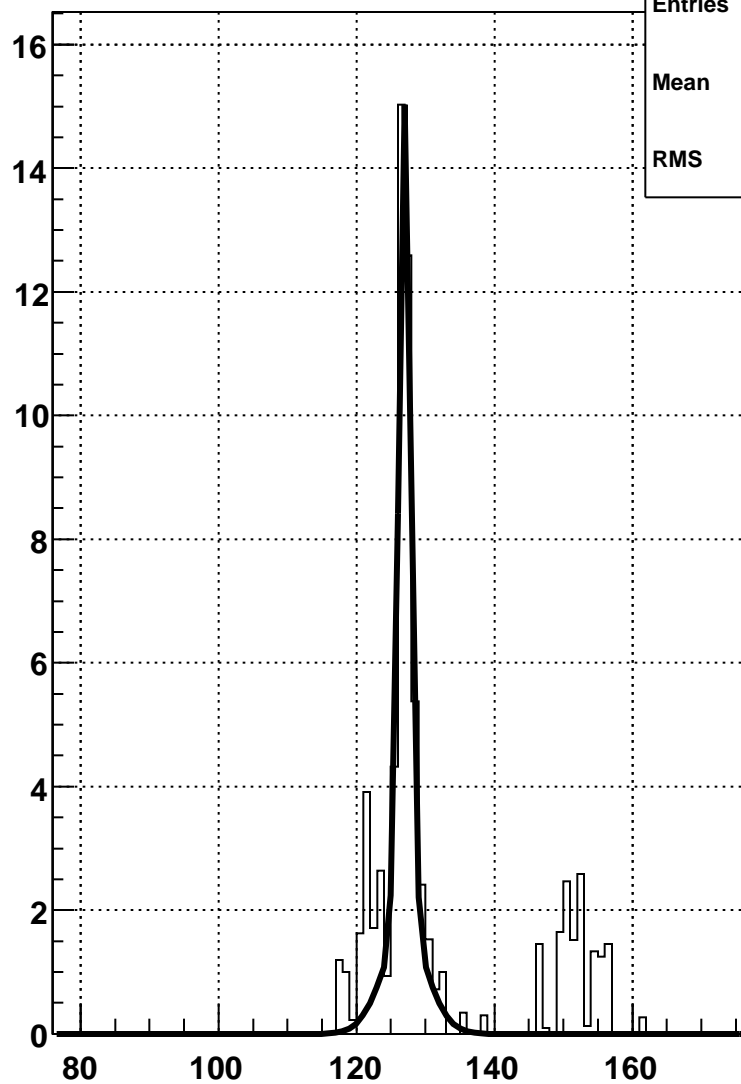
Entries	34
Mean	231.6
RMS	9.593



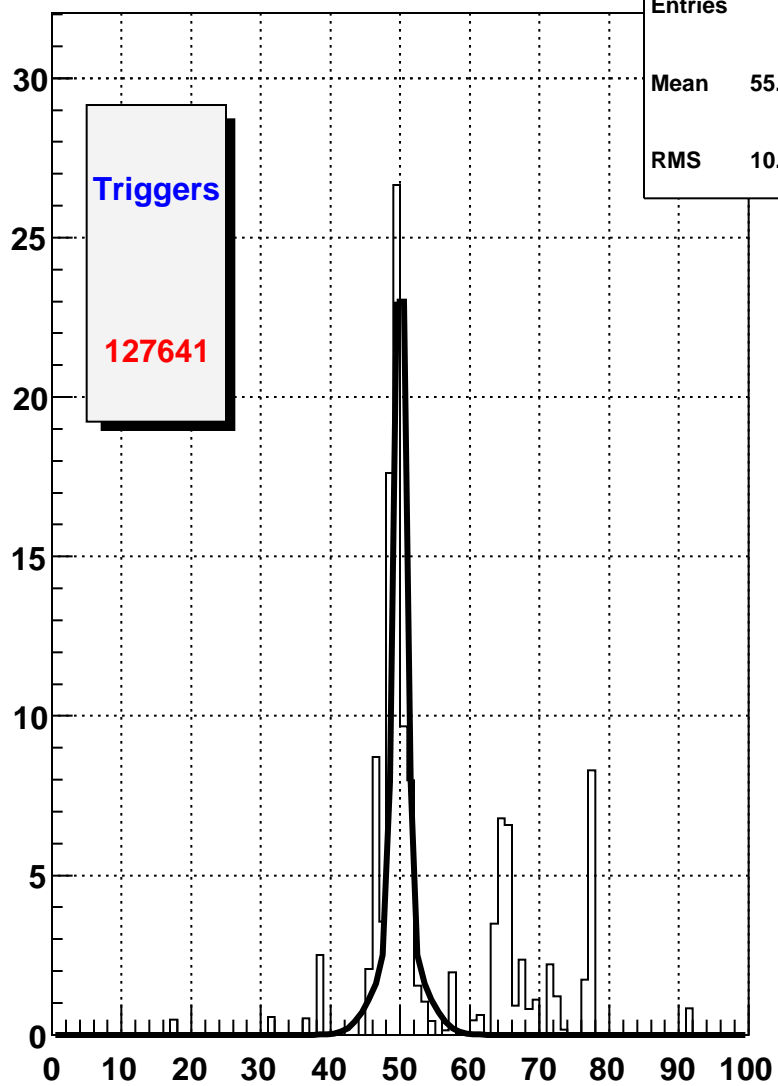
$p_T=5.5$  GeV,  $E=10.1$  GeV

**hSmdv**

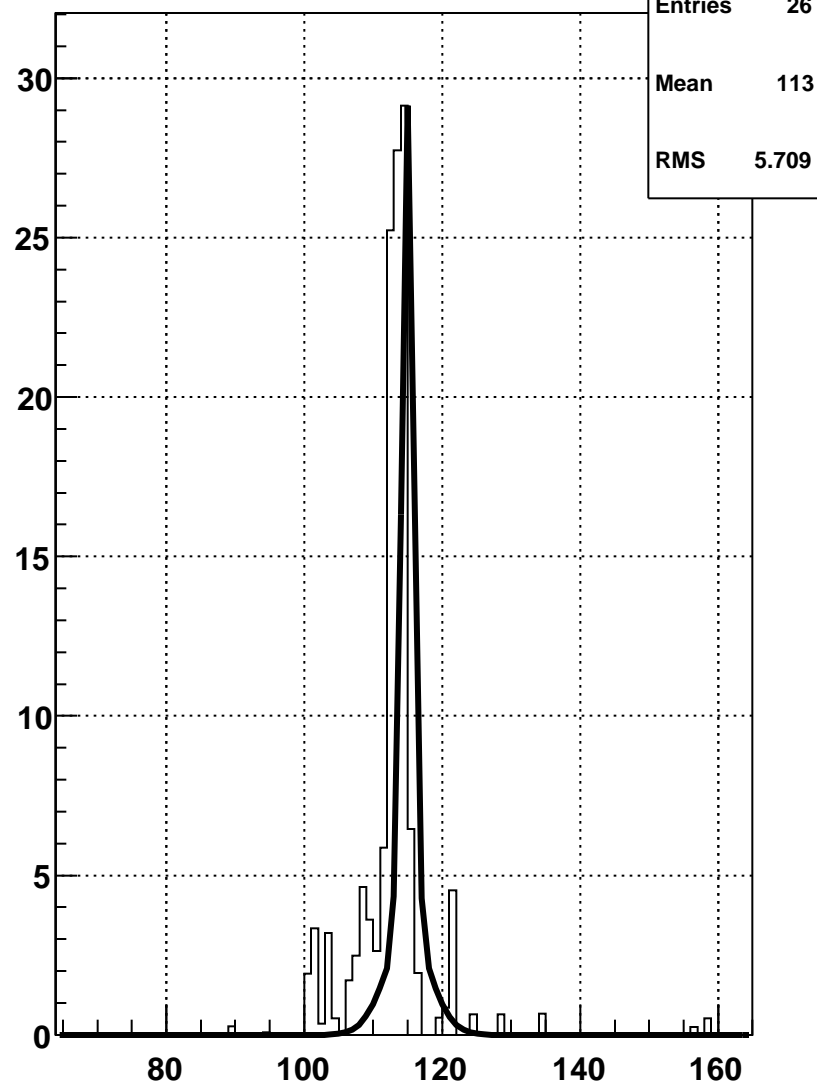
Entries	29
Mean	131.4
RMS	10.84



Run=7099047, Event=82329



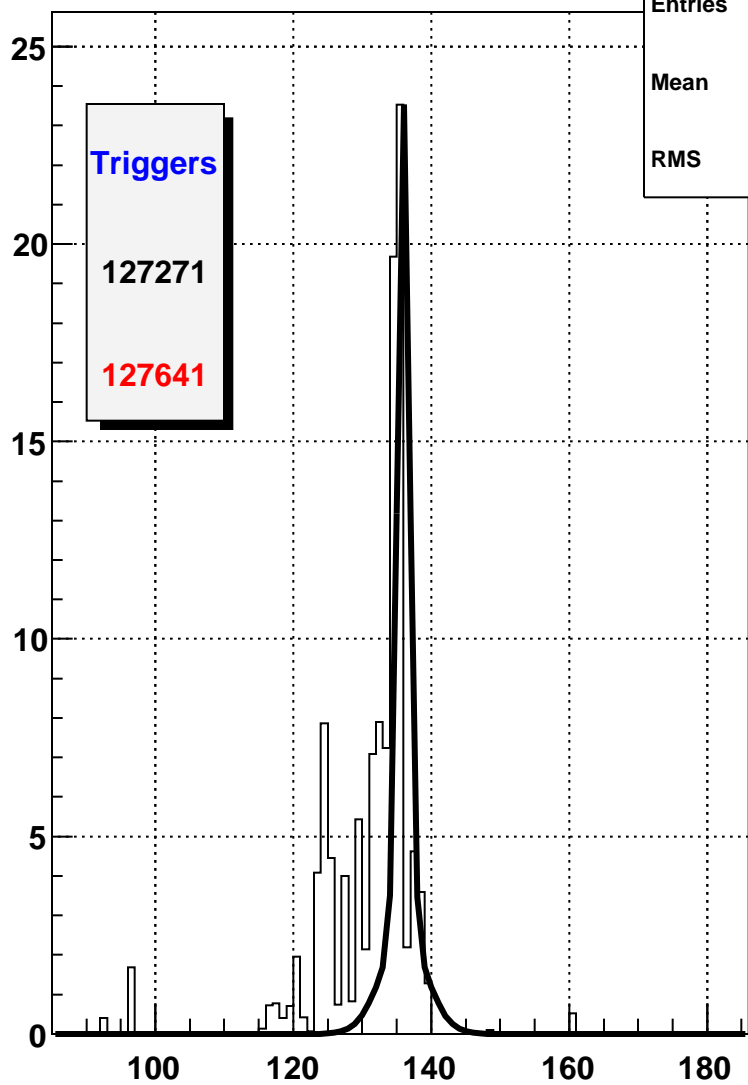
$p_T=6.2$  GeV,  $E=13.4$  GeV



Run=7099047, Event=82797

**hSmdu**

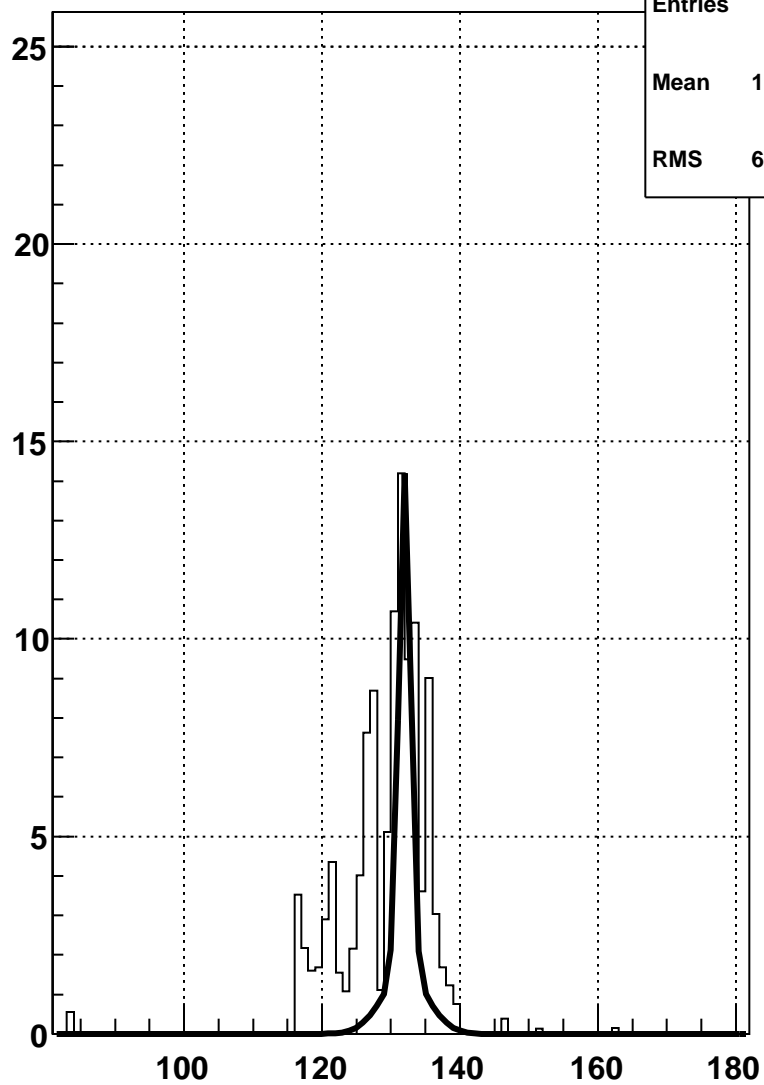
Entries	49
Mean	131.3
RMS	7.192



$p_T=5.3$  GeV,  $E=15.6$  GeV

**hSmdv**

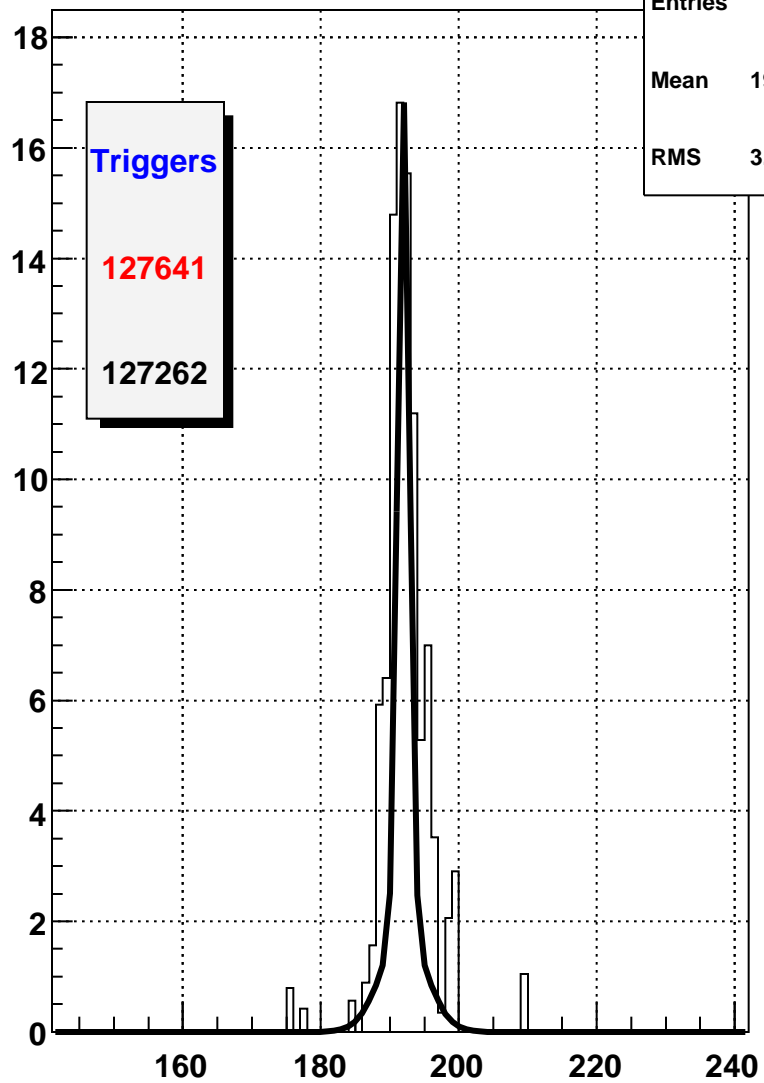
Entries	43
Mean	129.2
RMS	6.525



Run=7099047, Event=64253

**hSmdu**

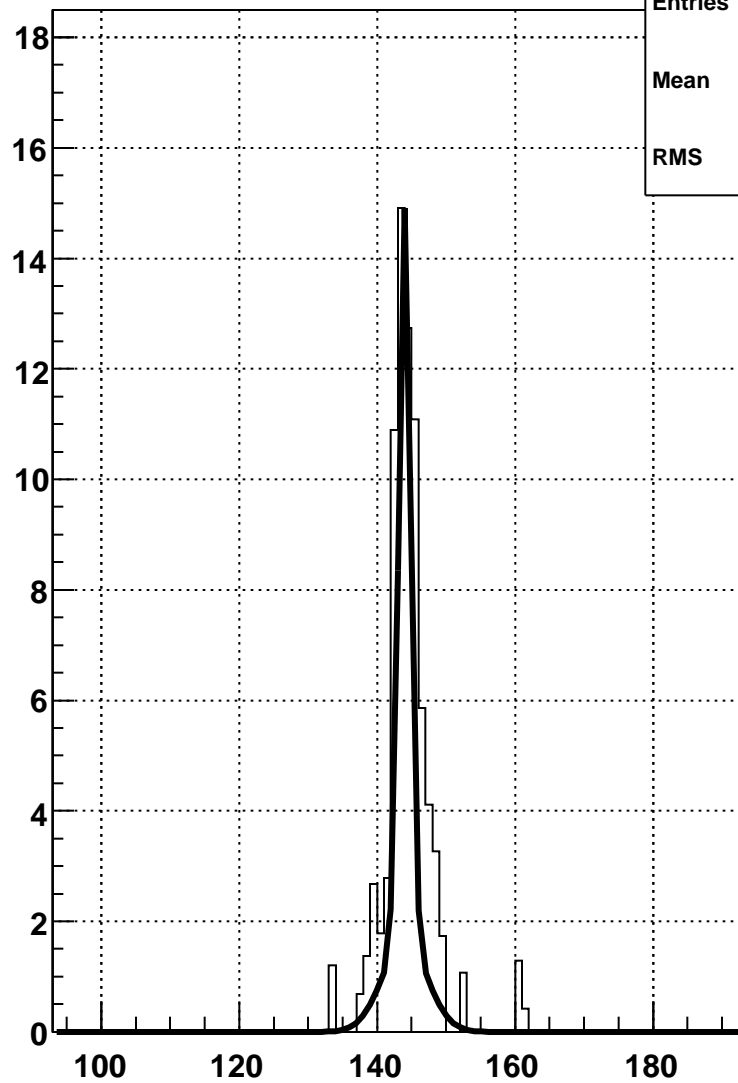
Entries	19
Mean	192.3
RMS	3.713



$p_T=5.4$  GeV,  $E=10.5$  GeV

**hSmdv**

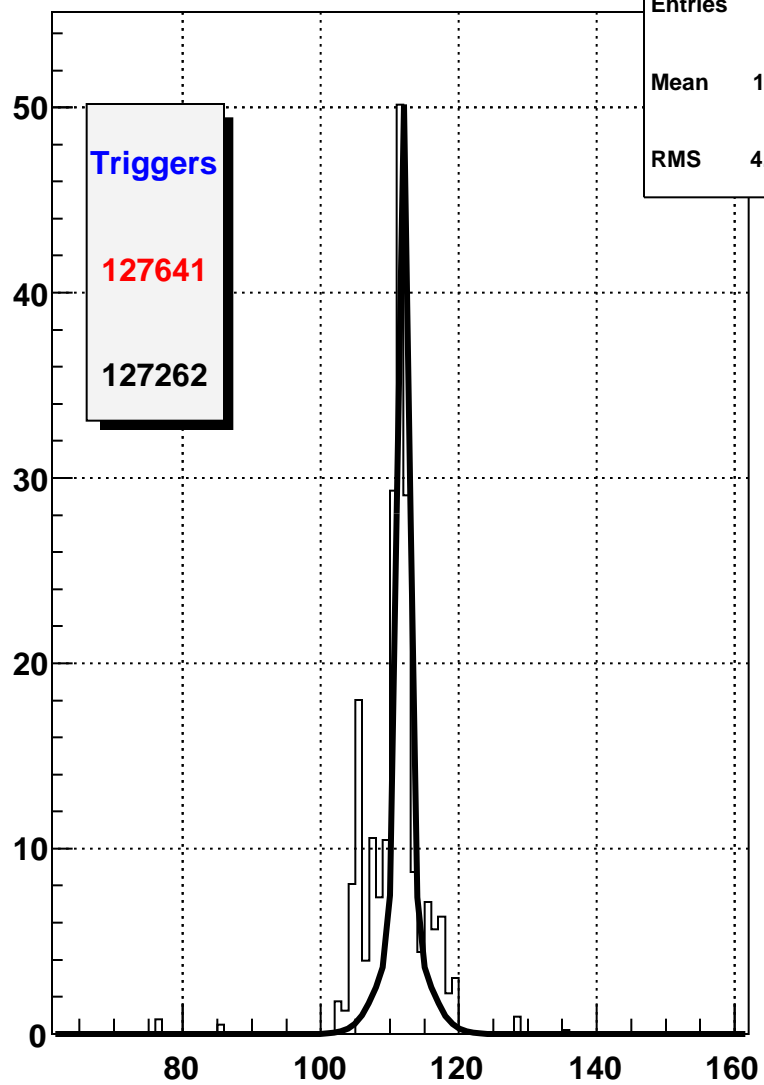
Entries	17
Mean	144.5
RMS	3.747



Run=7099047, Event=64354

**hSmdu**

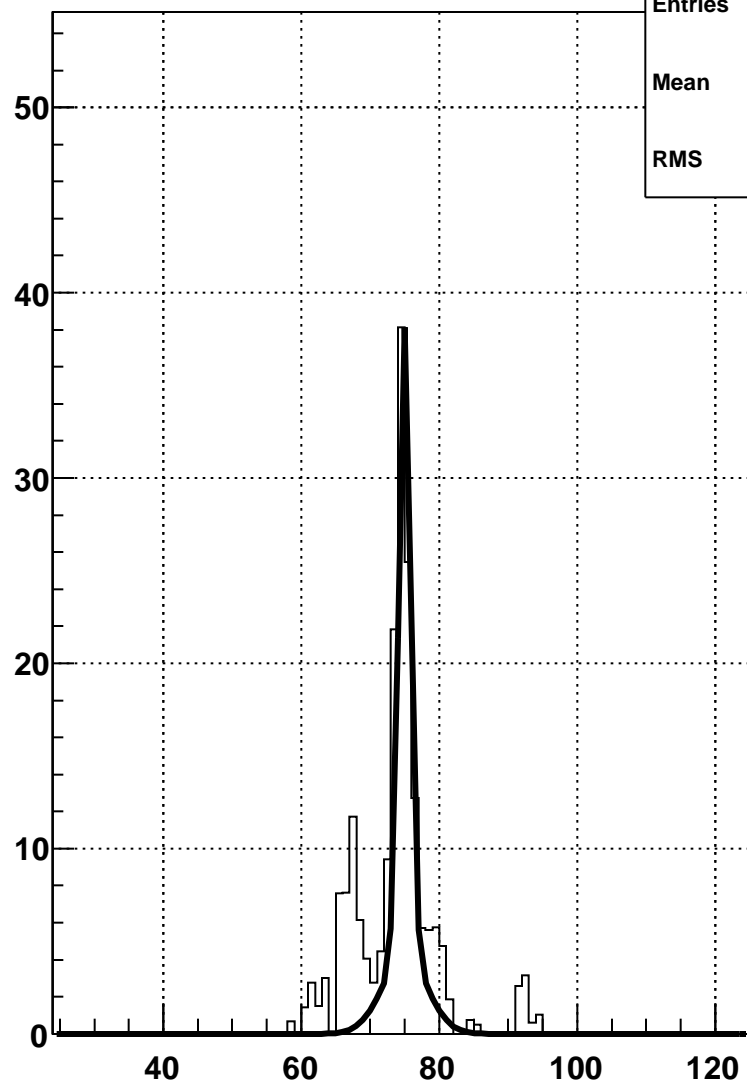
Entries	25
Mean	110.8
RMS	4.522



$p_T=8.4$  GeV,  $E=18.8$  GeV

**hSmdv**

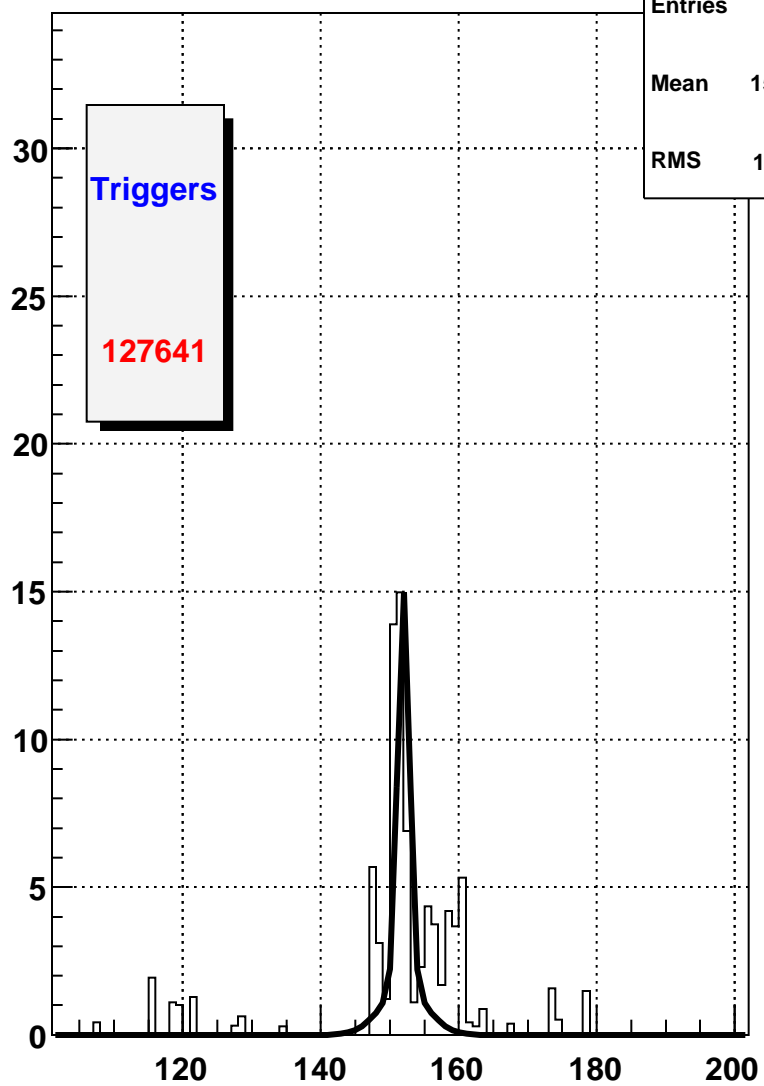
Entries	28
Mean	73.75
RMS	5.877



Run=7099047, Event=66112

**hSmdu**

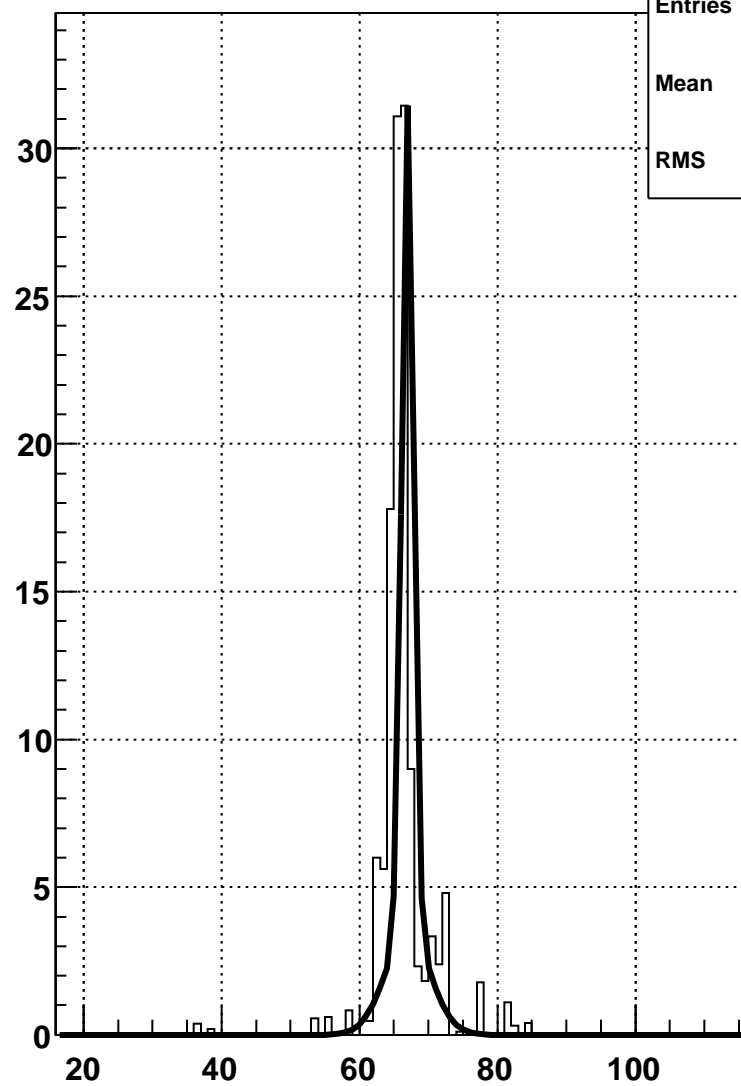
Entries	43
Mean	151.6
RMS	11.47



$p_T=5.3$  GeV,  $E=14.6$  GeV

**hSmdv**

Entries	45
Mean	66.27
RMS	4.024

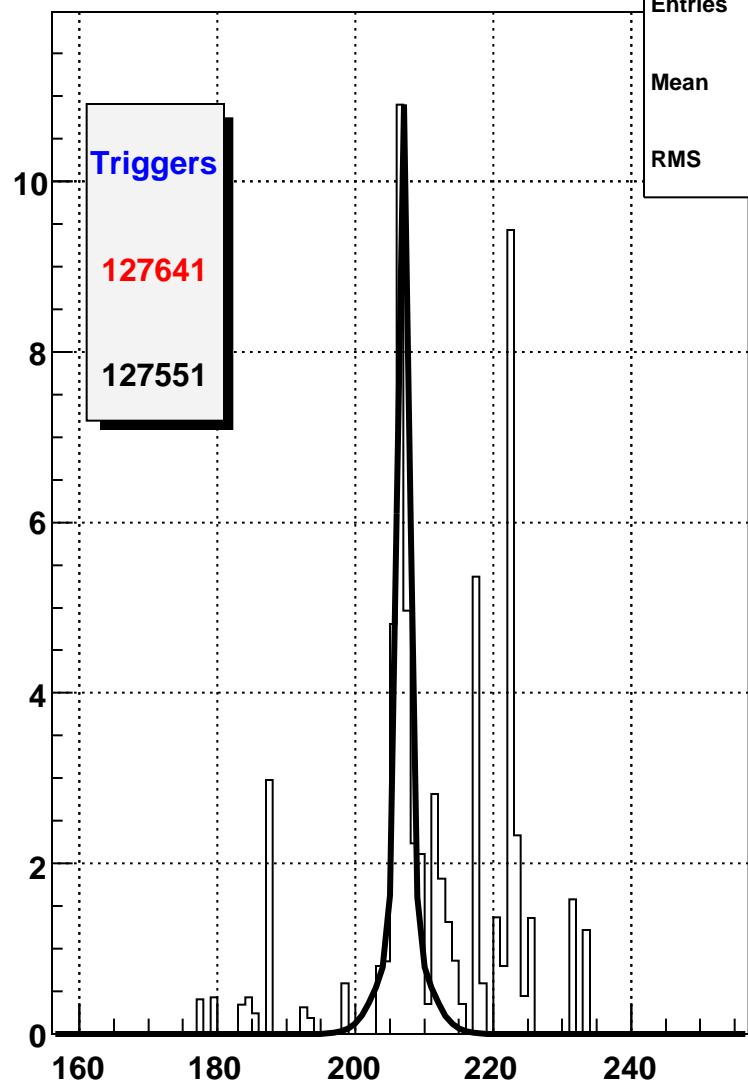




Run=7099047, Event=66856

**hSmdu**

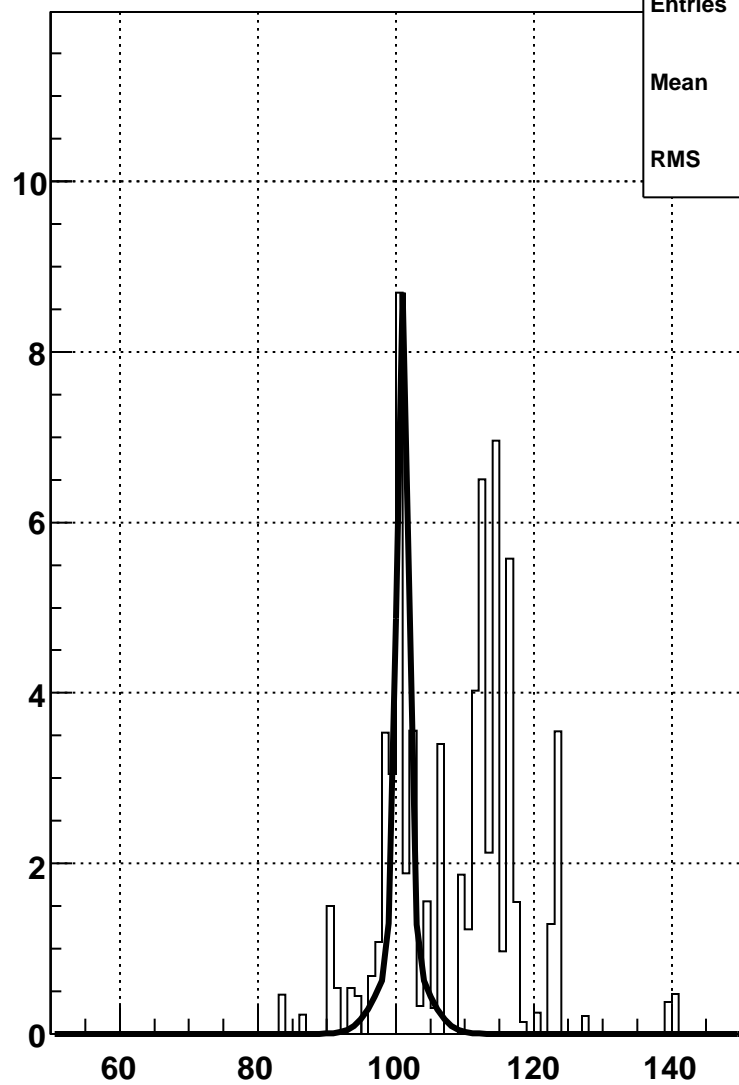
Entries	32
Mean	211.6
RMS	10.96



$p_T=5.2$  GeV,  $E=9.9$  GeV

**hSmdv**

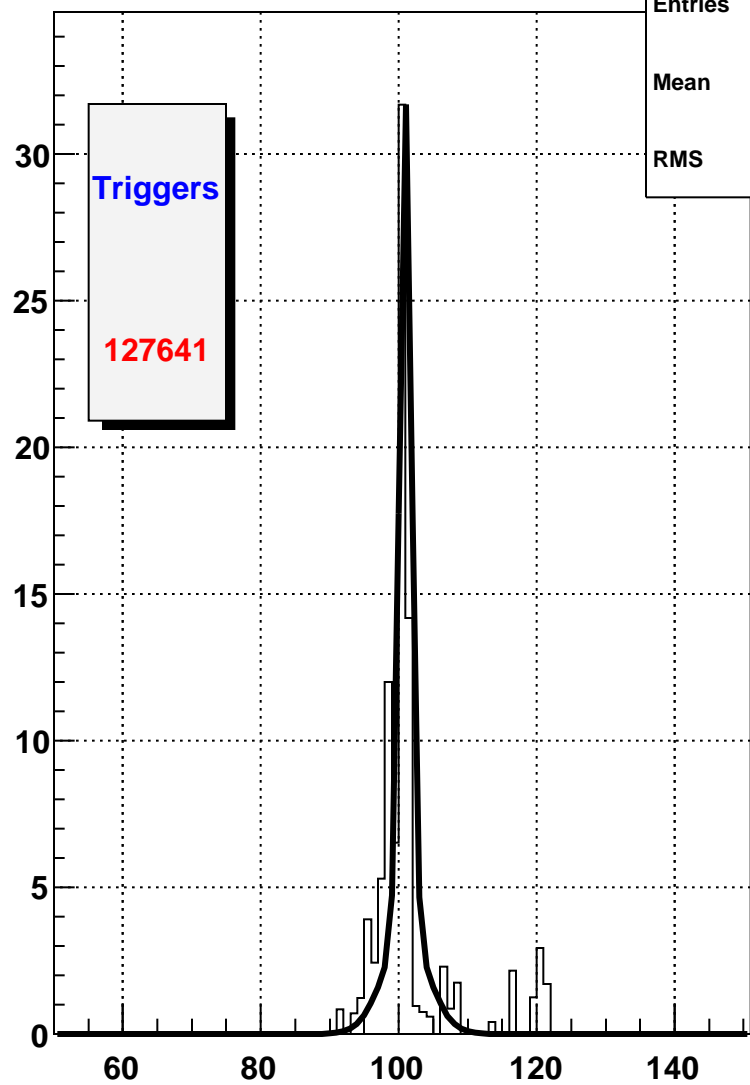
Entries	33
Mean	108.5
RMS	9.253



Run=7099047, Event=67096

**hSmdu**

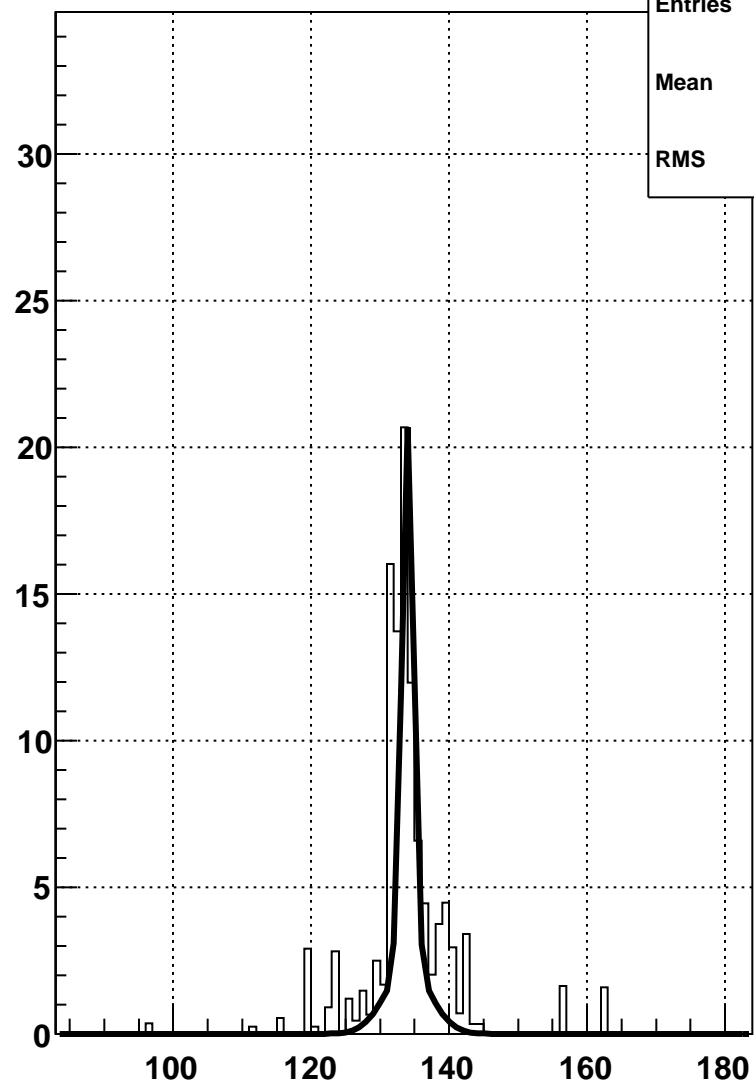
Entries	22
Mean	101.7
RMS	6.091



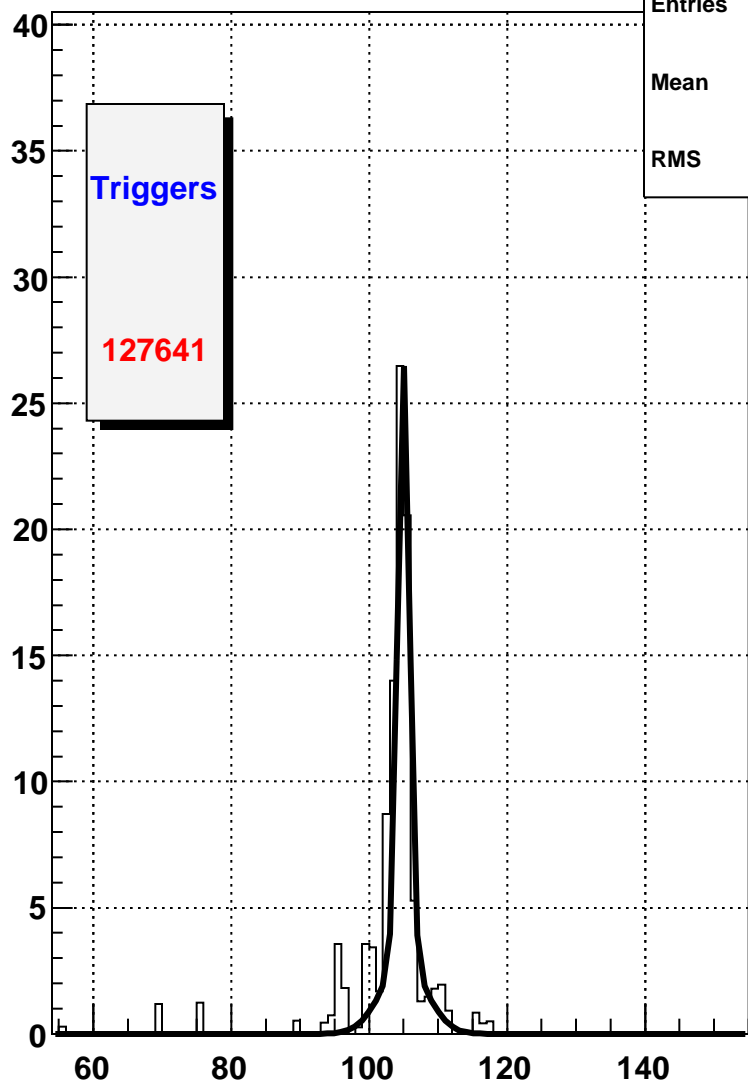
$p_T=5.6$  GeV,  $E=10.4$  GeV

**hSmdv**

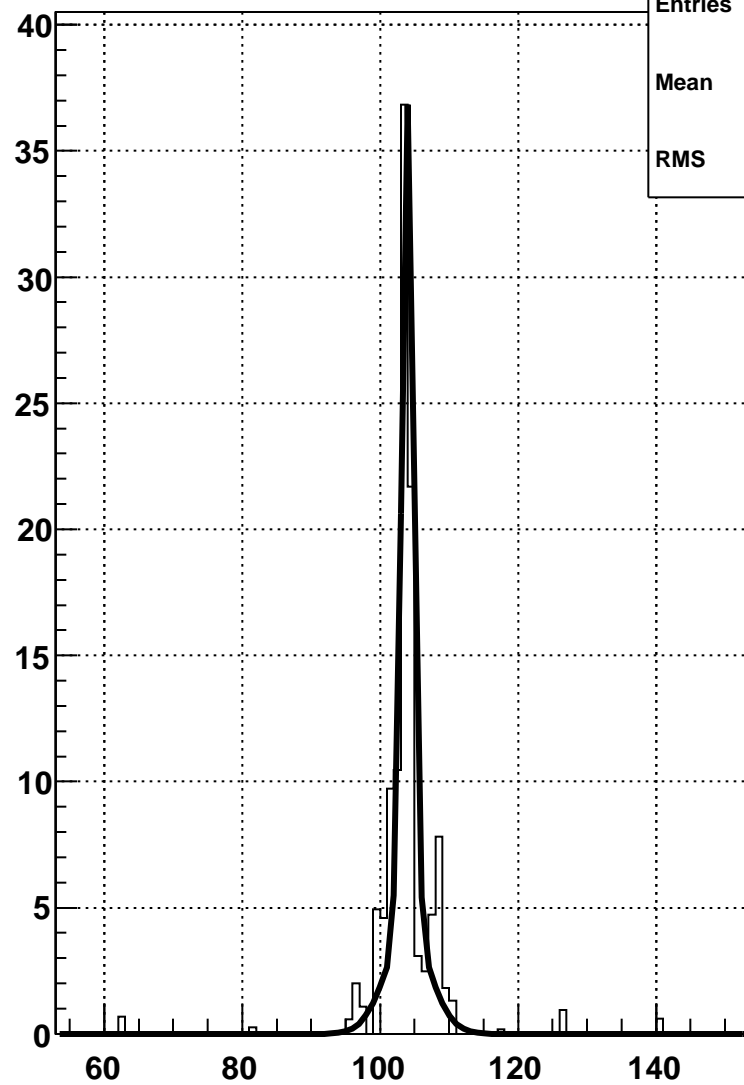
Entries	29
Mean	133.9
RMS	6.838



Run=7099047, Event=67159



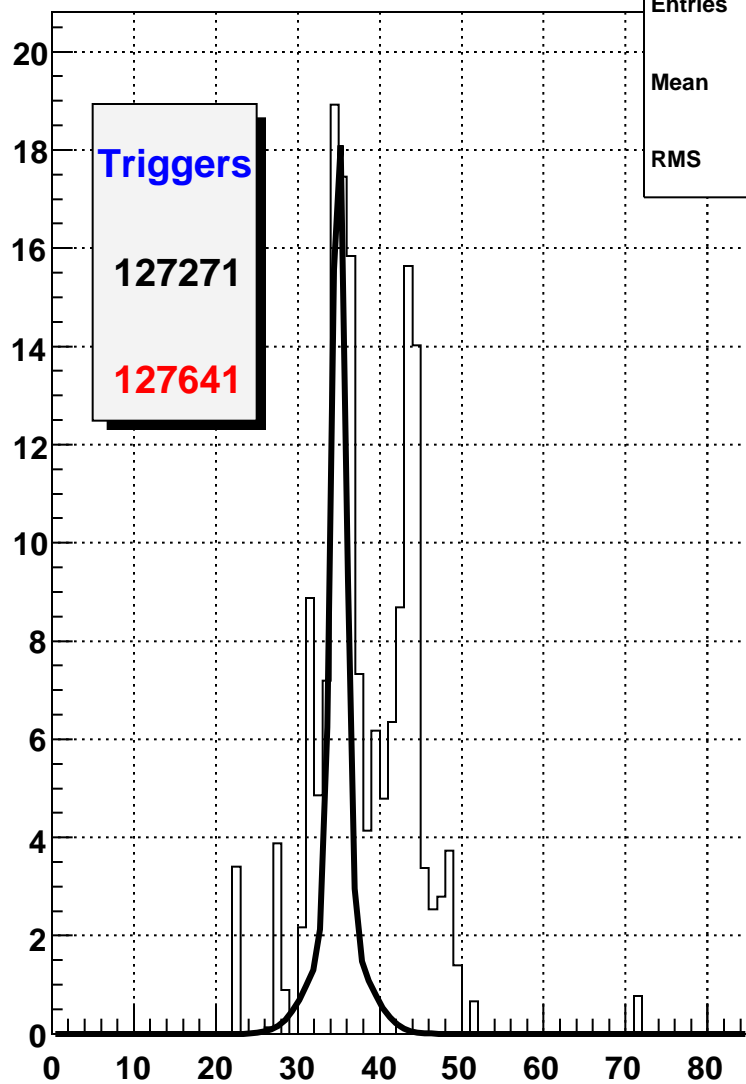
$p_T=5.2$  GeV,  $E=17.1$  GeV



Run=7099047, Event=67366

**hSmdu**

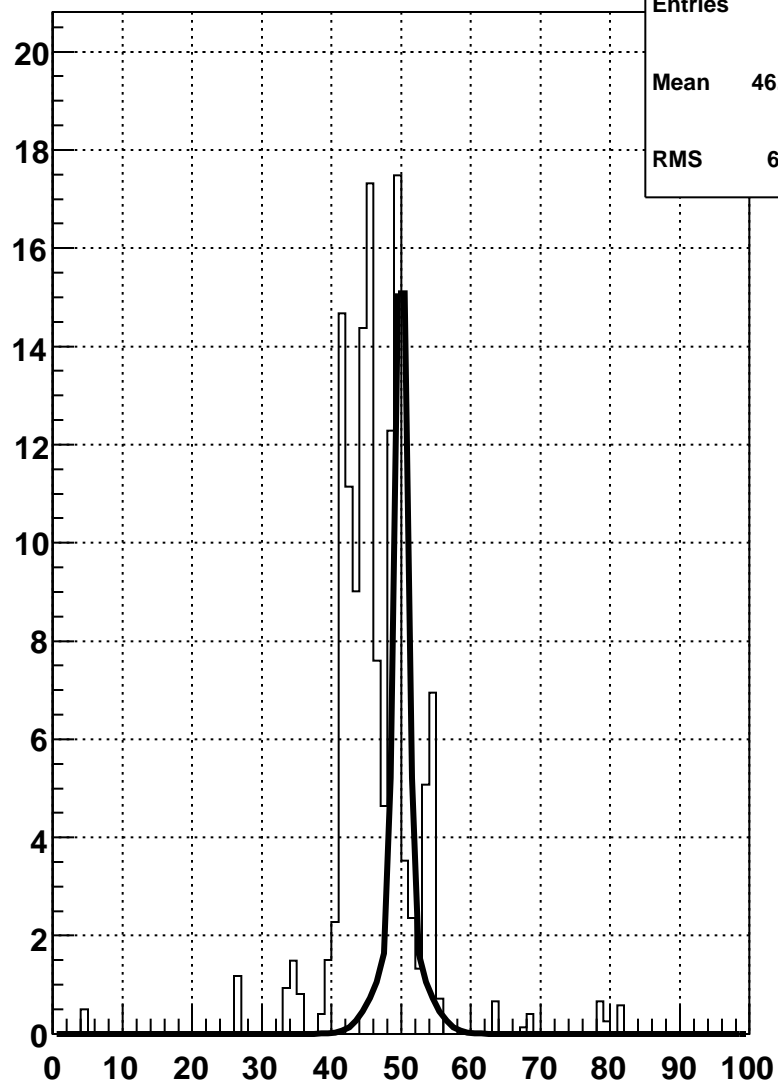
Entries	26
Mean	38.31
RMS	6.045



$p_T=6.3$  GeV,  $E=23.6$  GeV

**hSmdv**

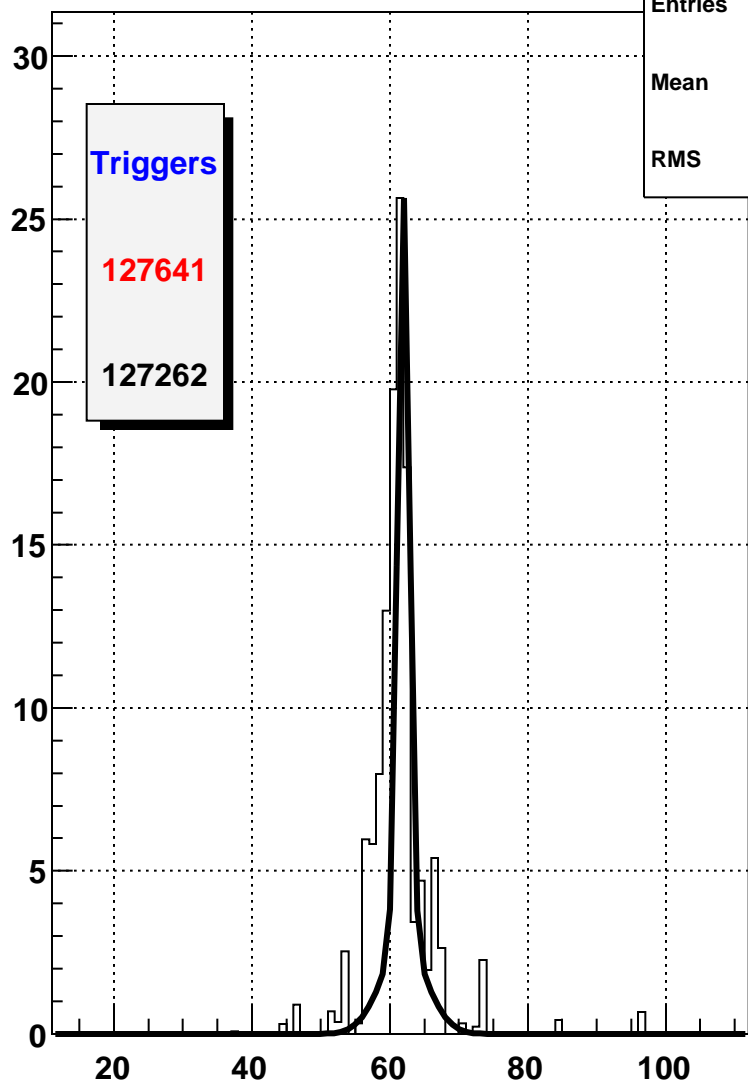
Entries	29
Mean	46.39
RMS	6.51



Run=7099047, Event=77599

**hSmdu**

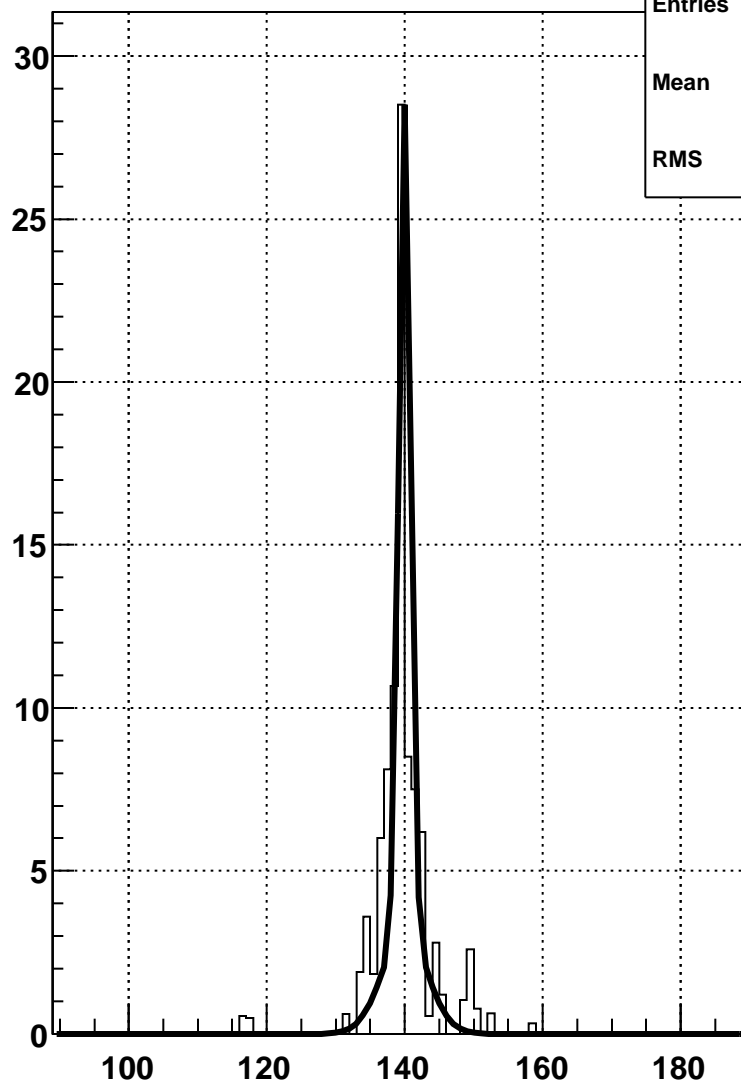
Entries	24
Mean	61.33
RMS	4.731



$p_T=7.3$  GeV,  $E=14.1$  GeV

**hSmdv**

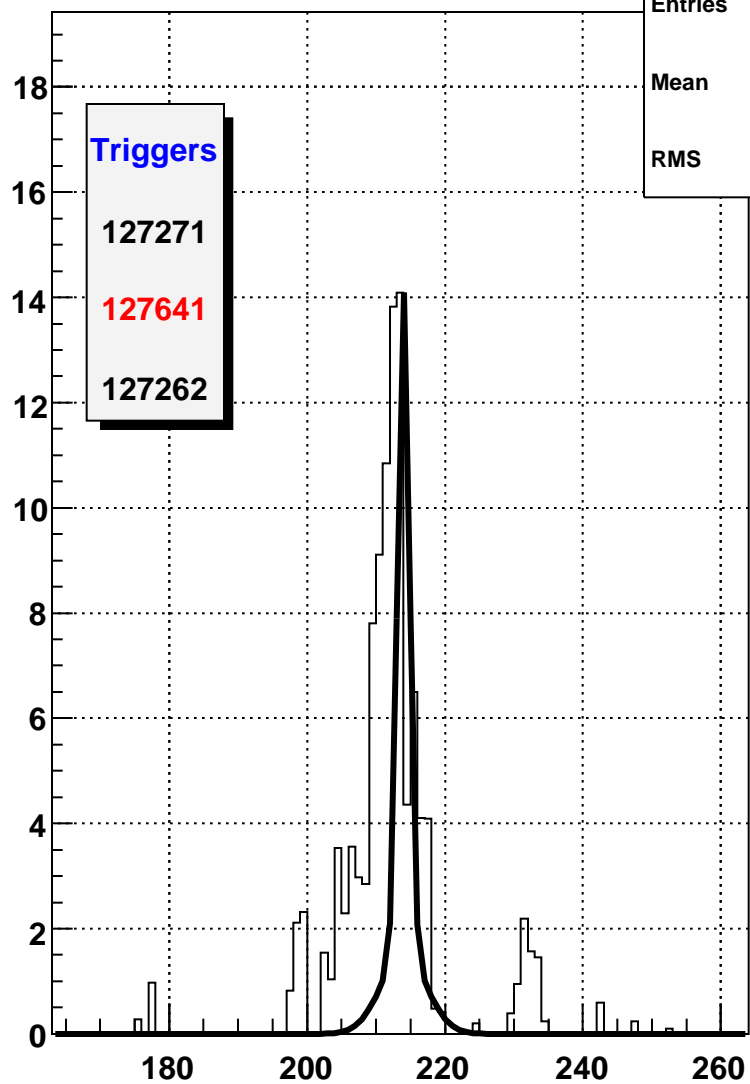
Entries	21
Mean	139.6
RMS	4.266



Run=7099047, Event=77684

**hSmdu**

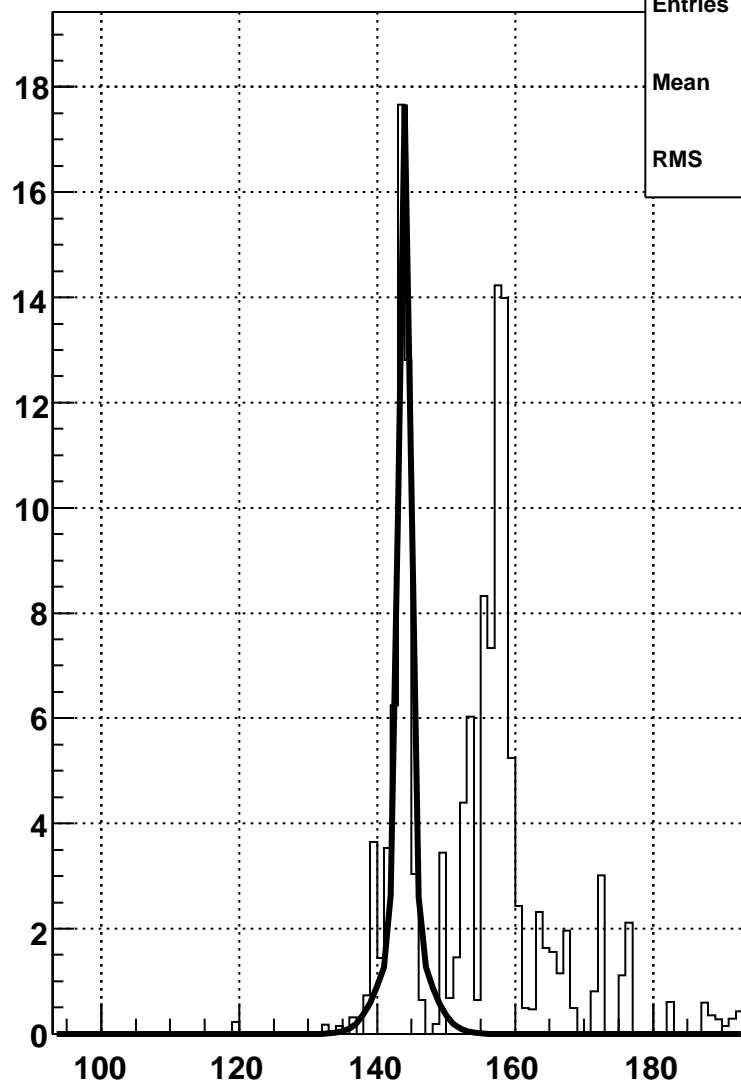
Entries	33
Mean	212.2
RMS	8.29



$p_T=8.4$  GeV,  $E=13.5$  GeV

**hSmdv**

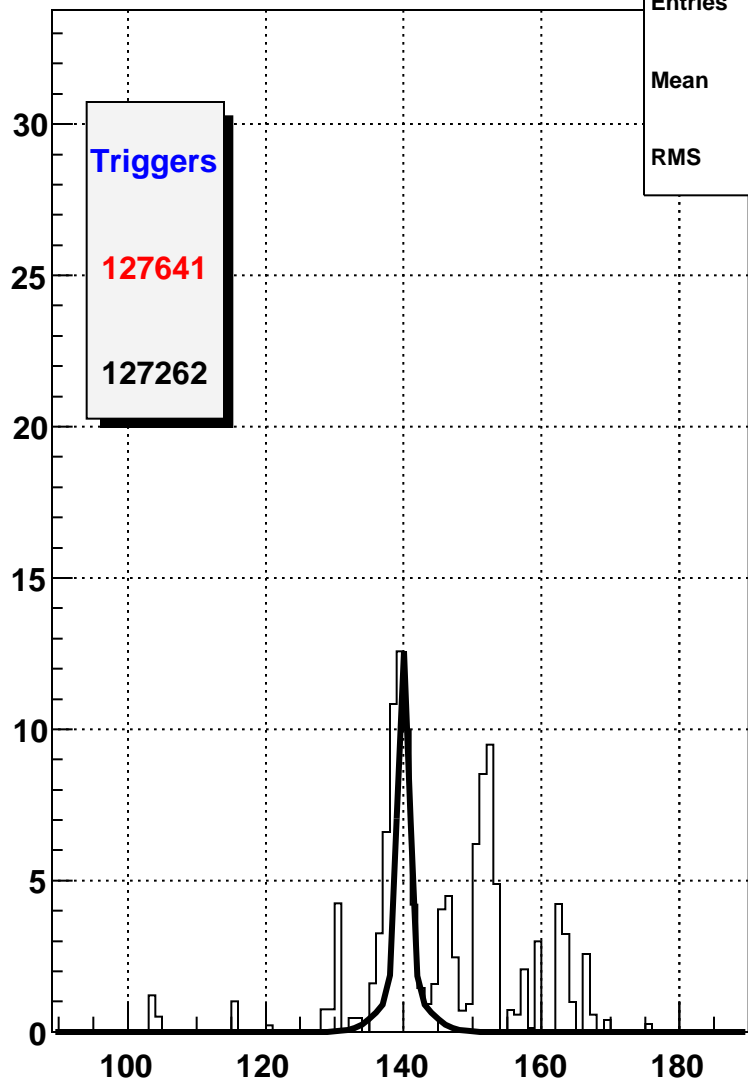
Entries	47
Mean	153.6
RMS	10.27



Run=7099047, Event=77974

**hSmdu**

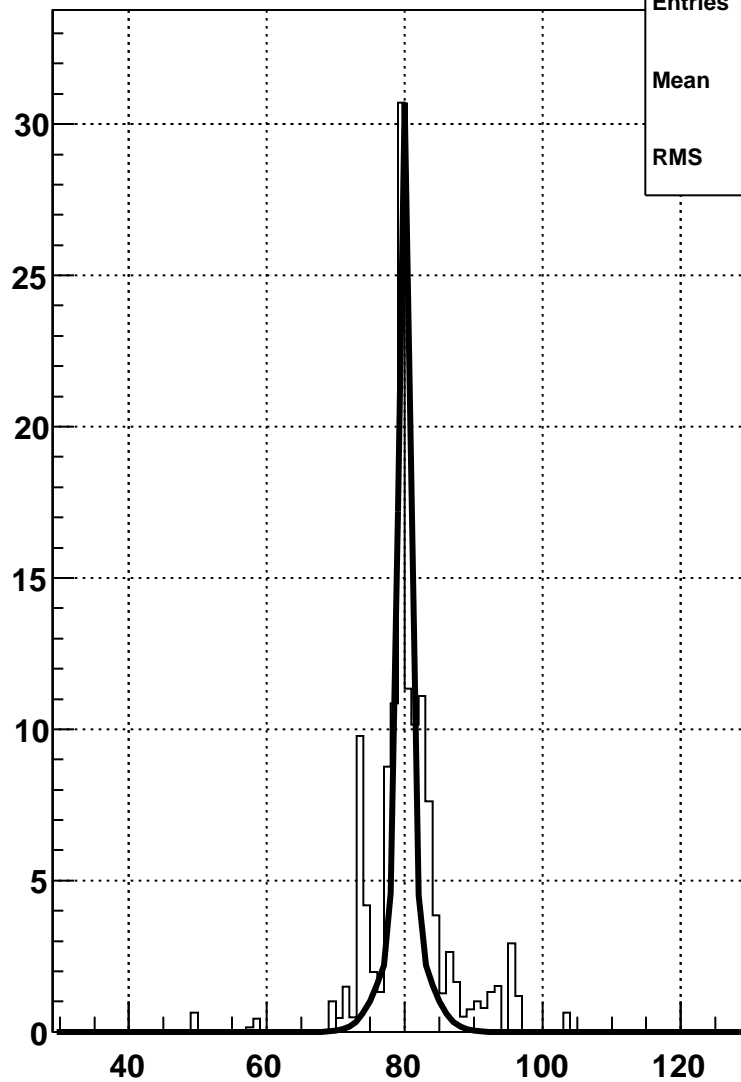
Entries	40
Mean	145.4
RMS	10.87



$p_T=5.9$  GeV,  $E=13.7$  GeV

**hSmdv**

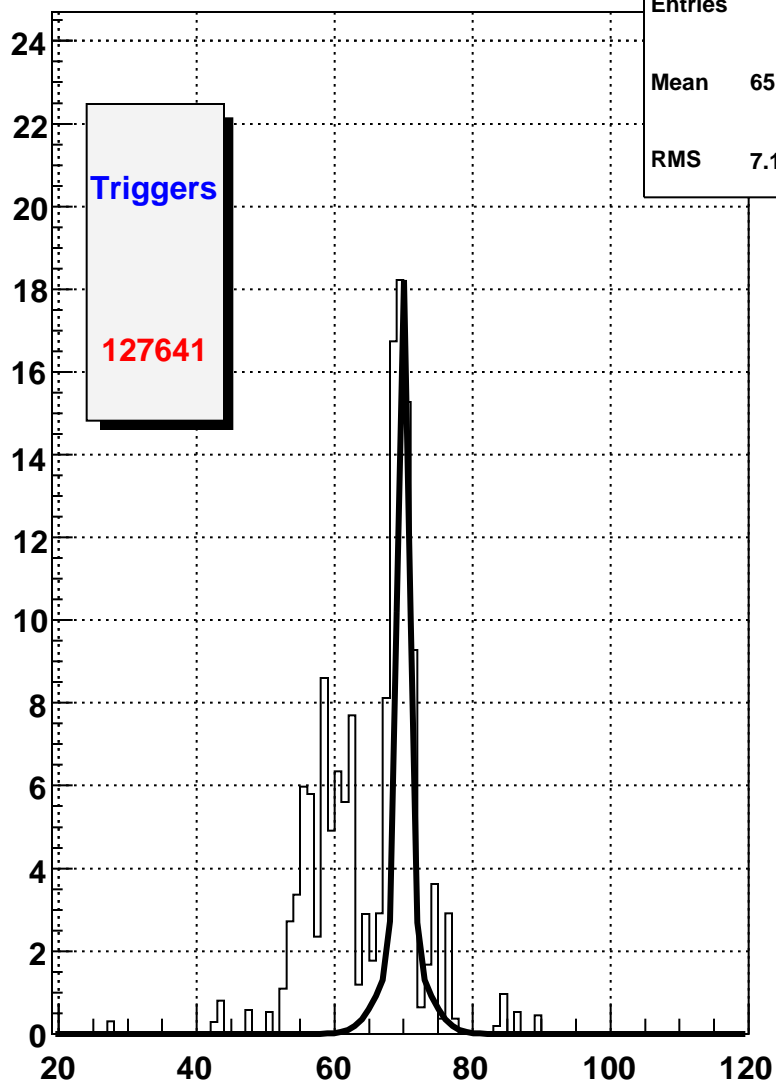
Entries	31
Mean	80.45
RMS	5.831



Run=7099047, Event=78482

**hSmdu**

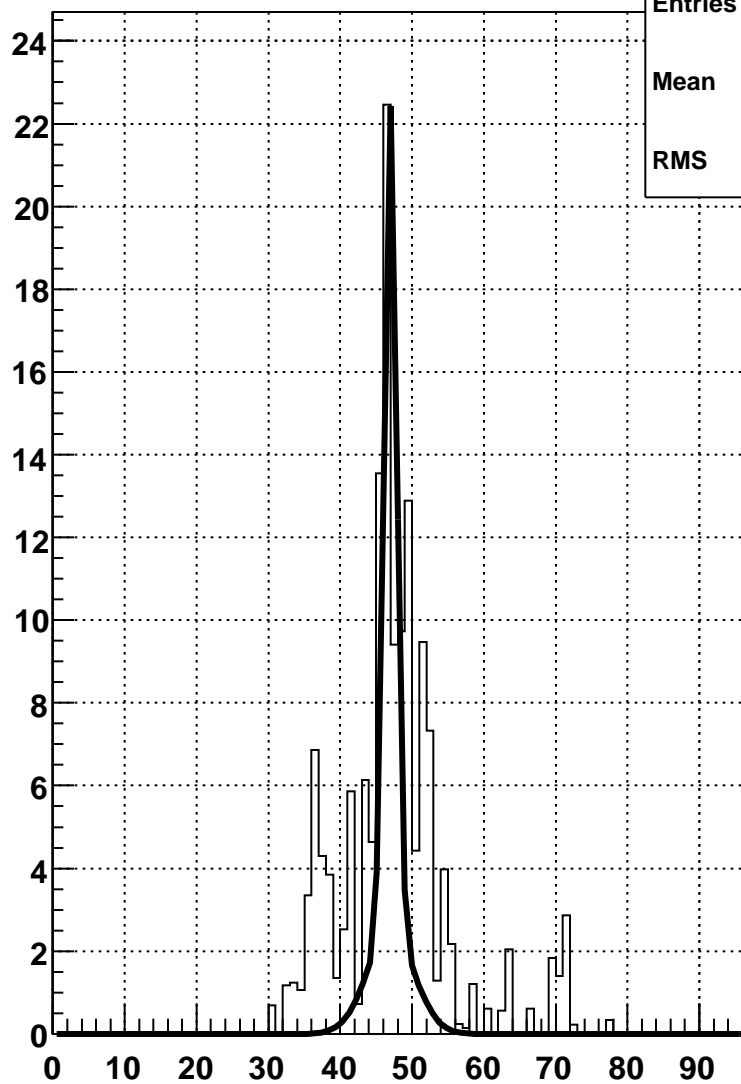
Entries	35
Mean	65.28
RMS	7.124



$p_T=5.2$  GeV,  $E=19.3$  GeV

**hSmdv**

Entries	37
Mean	47.51
RMS	7.801

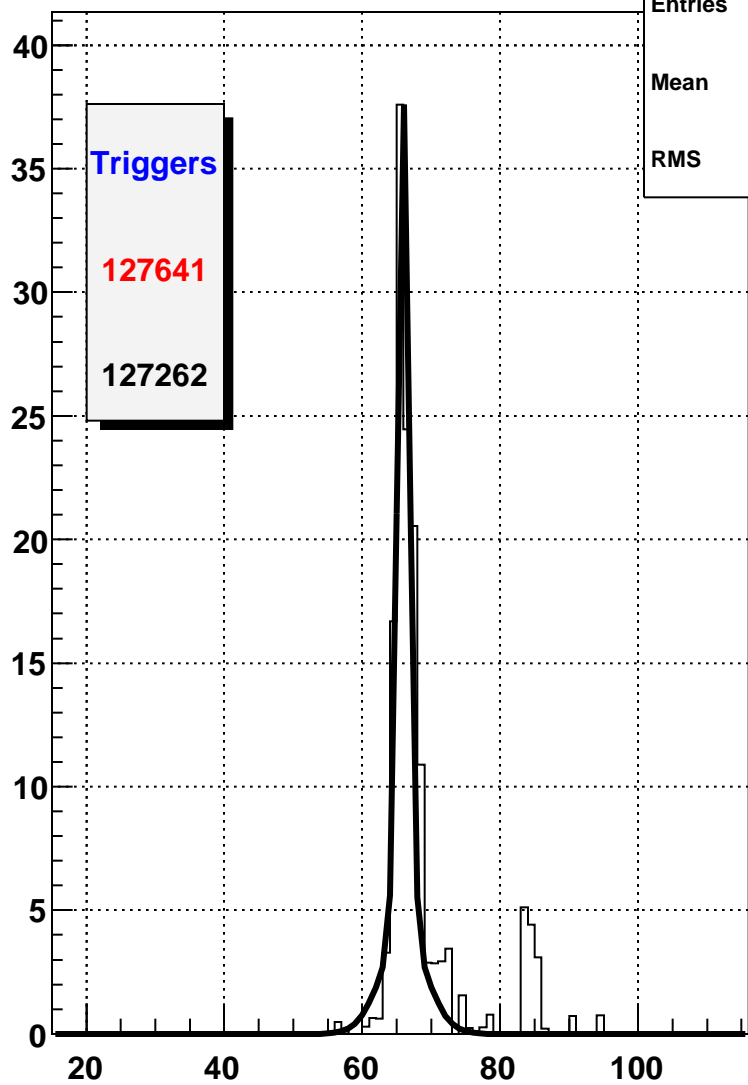




Run=7099047, Event=78489

**hSmdu**

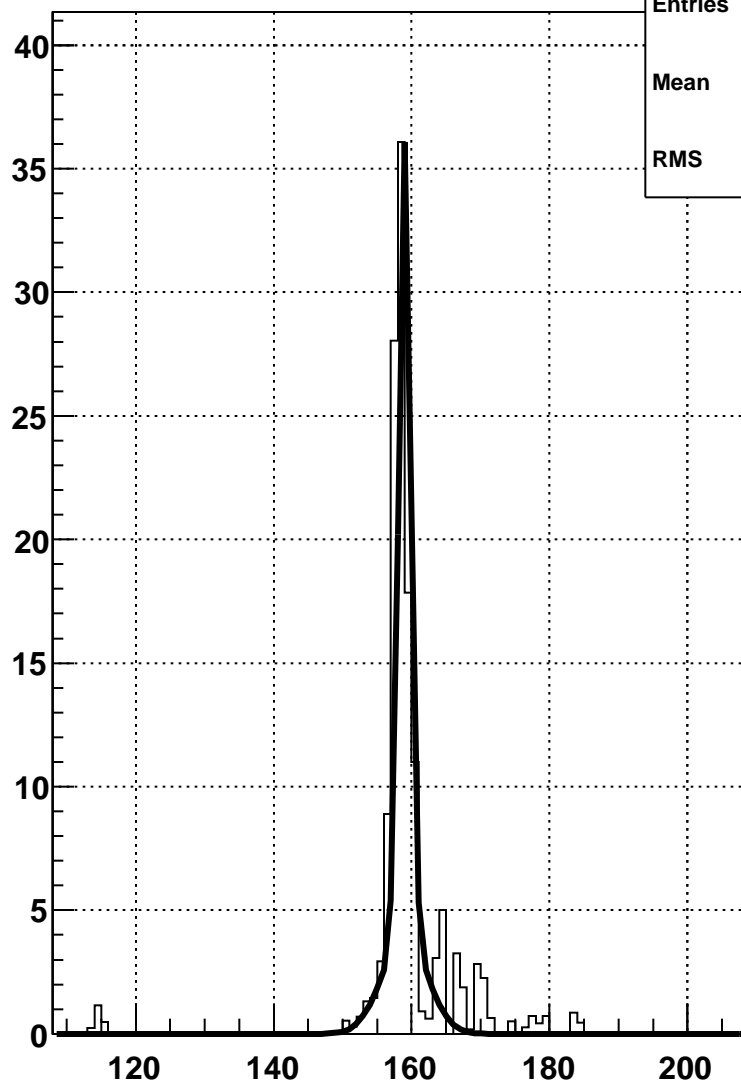
Entries	26
Mean	68.55
RMS	6.066



$p_T=6.1$  GeV,  $E=15.0$  GeV

**hSmdv**

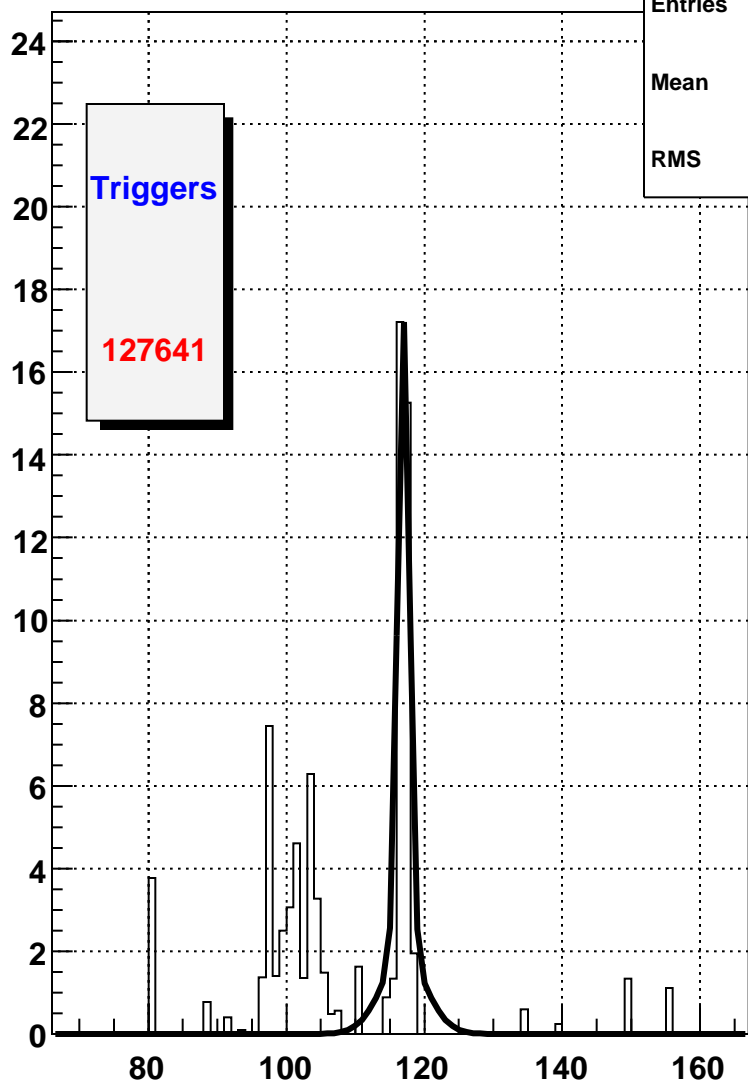
Entries	31
Mean	159.4
RMS	7.188



Run=7099047, Event=79163

**hSmdu**

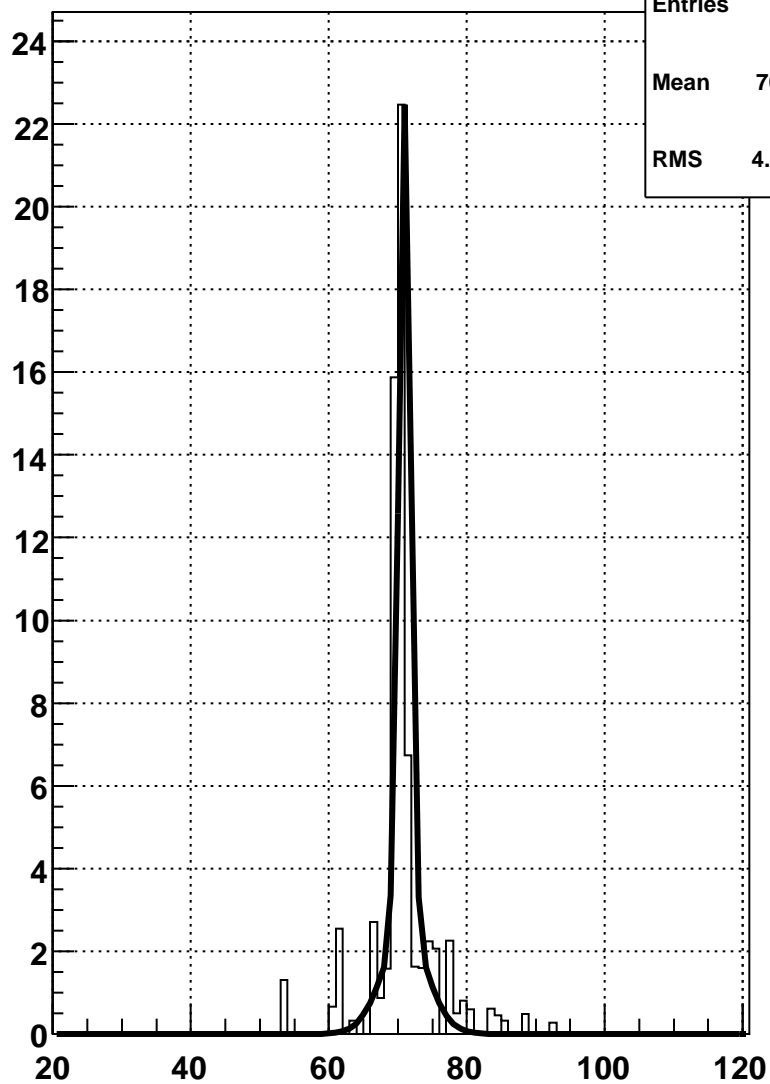
Entries	26
Mean	109.3
RMS	12.92



$p_T=5.3$  GeV,  $E=15.2$  GeV

**hSmdv**

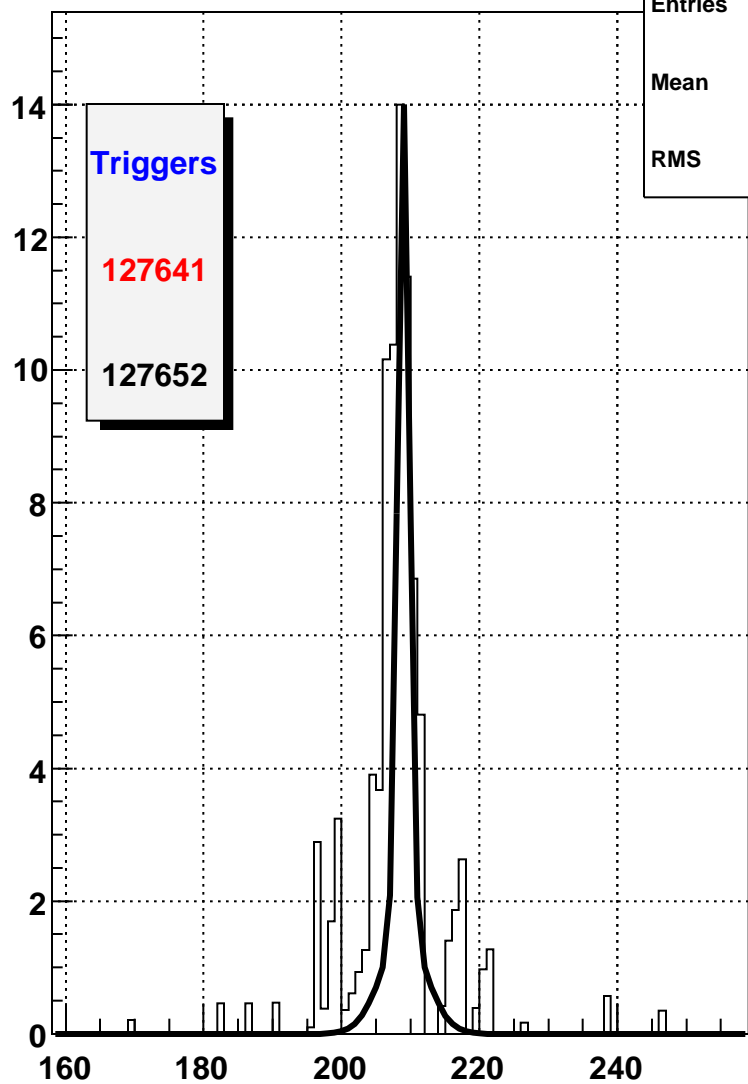
Entries	23
Mean	70.71
RMS	4.918



Run=7099047, Event=80307

**hSmdu**

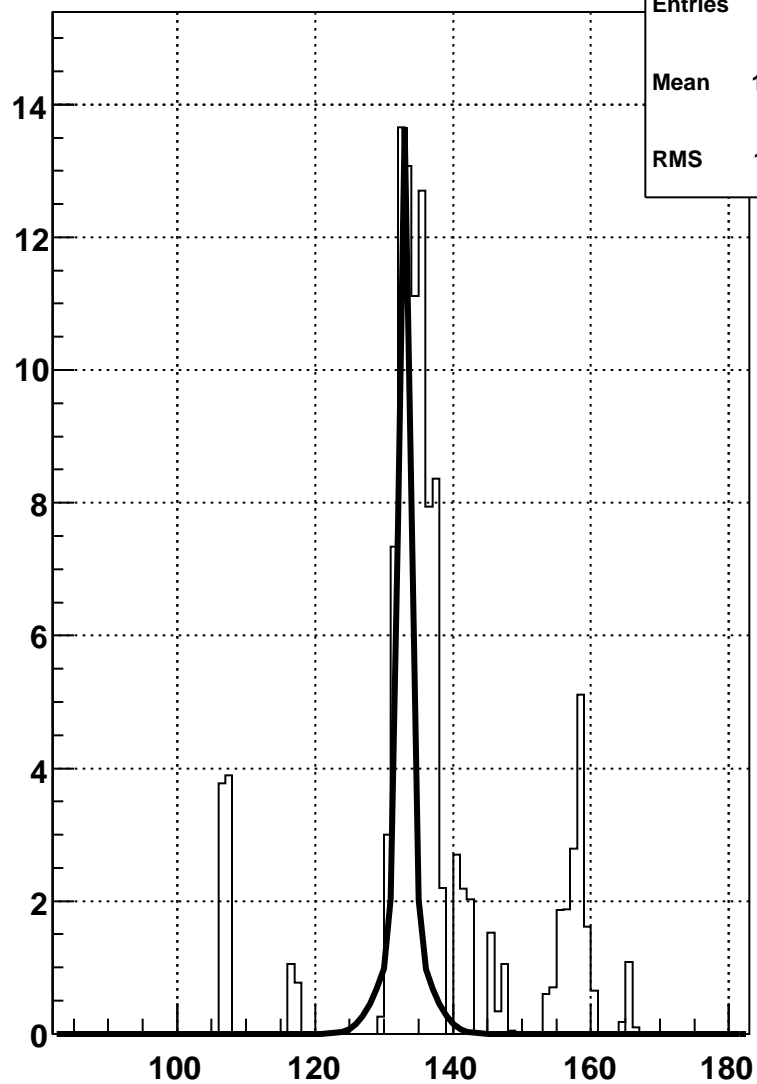
Entries	31
Mean	208
RMS	6.846



$p_T=5.5$  GeV,  $E=10.8$  GeV

**hSmdv**

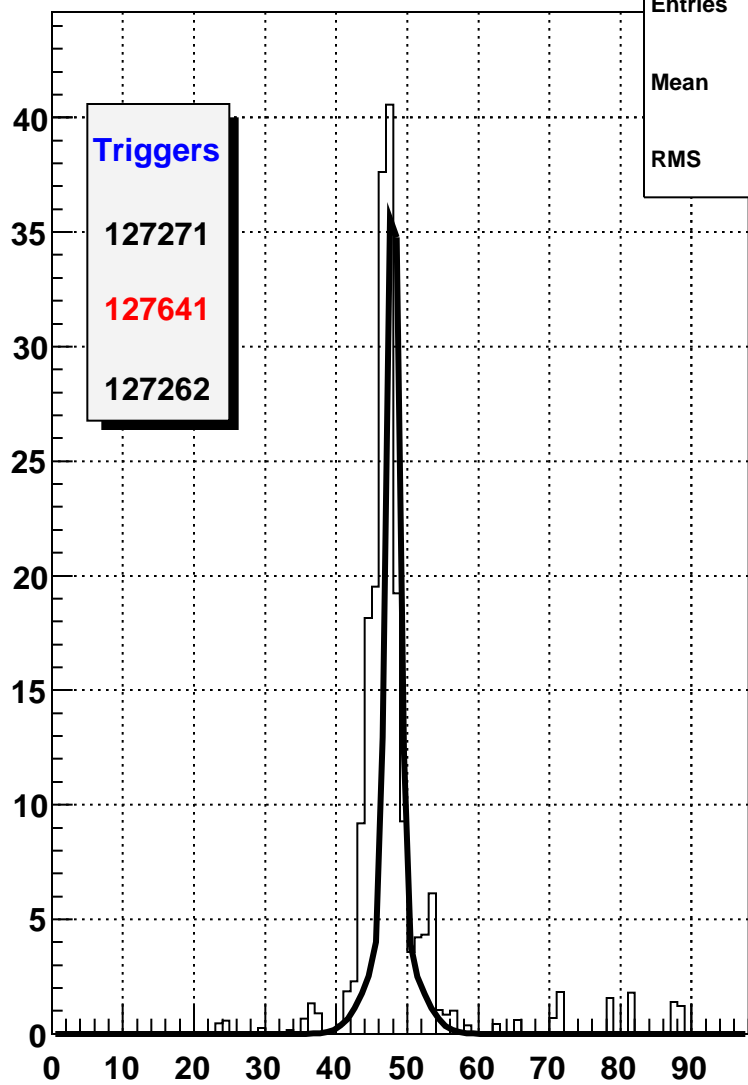
Entries	32
Mean	136.4
RMS	11.93



Run=7099047, Event=80681

**hSmdu**

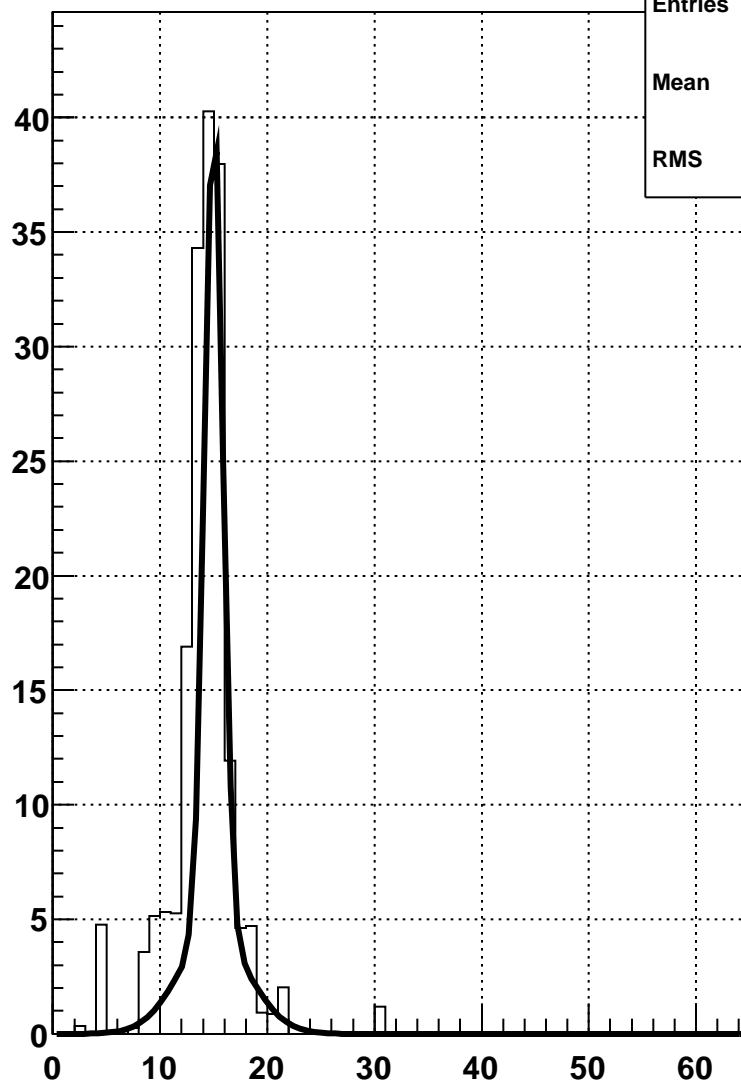
Entries	33
Mean	48.46
RMS	7.771



$p_T=5.6$  GeV,  $E=21.8$  GeV

**hSmdv**

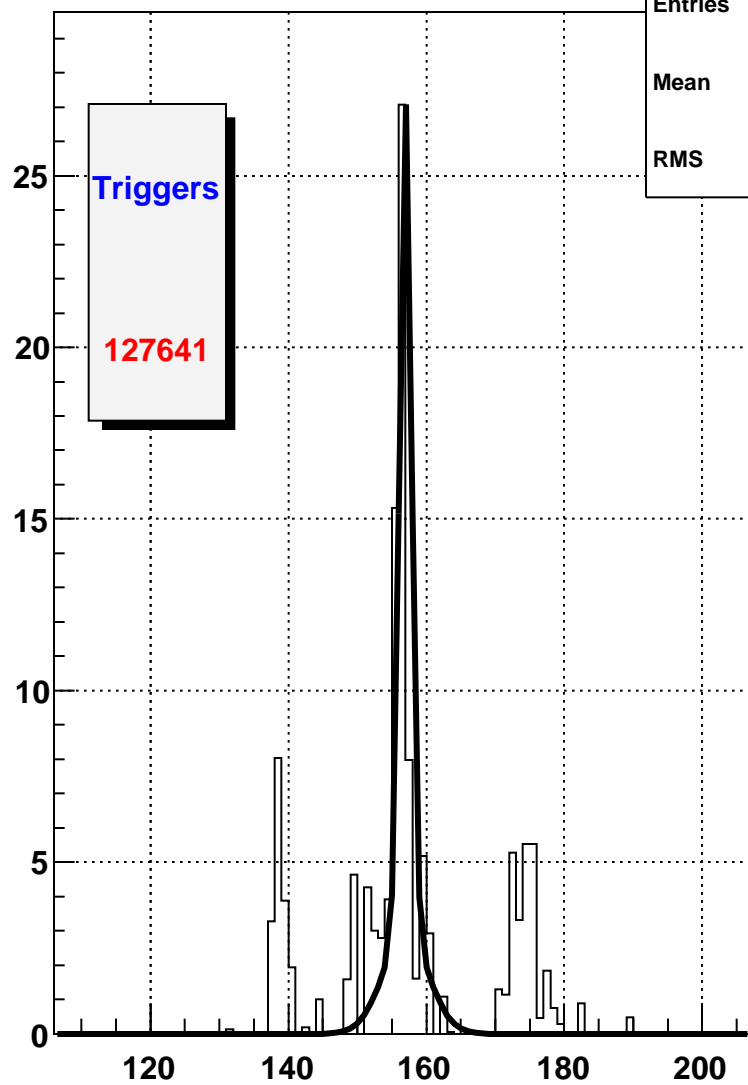
Entries	18
Mean	14.12
RMS	3.035



Run=7099046, Event=5225

**hSmdu**

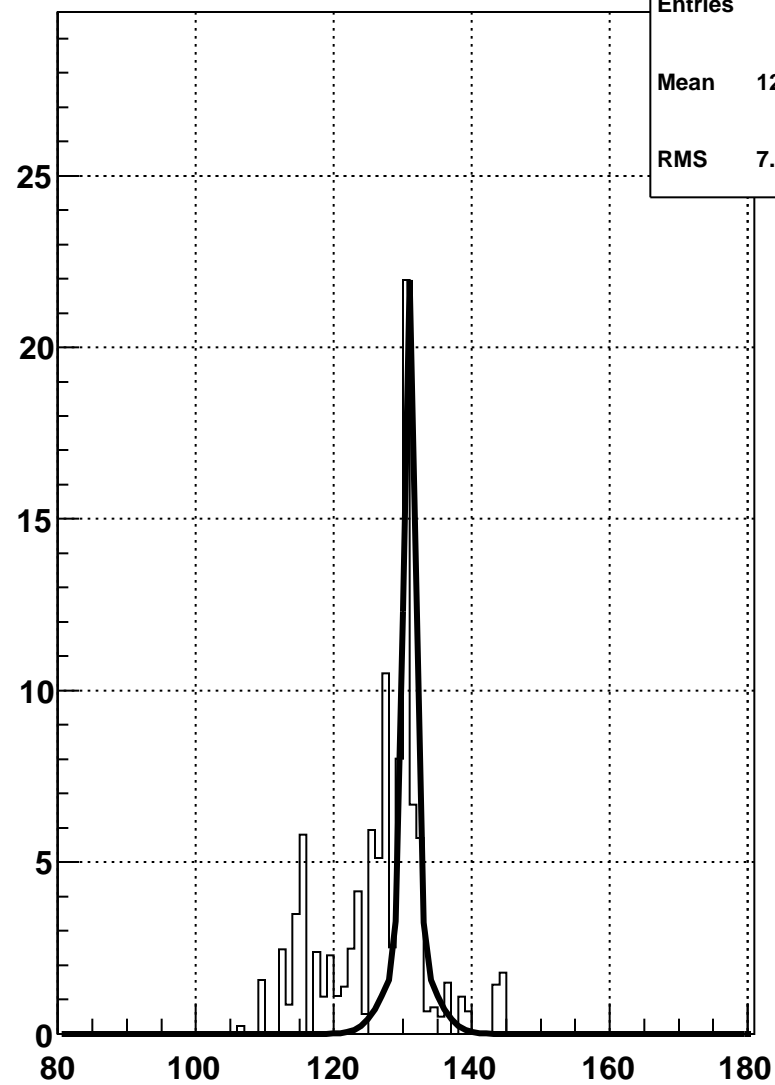
Entries	34
Mean	157.3
RMS	11.1



$p_T=6.5$  GeV,  $E=13.5$  GeV

**hSmdv**

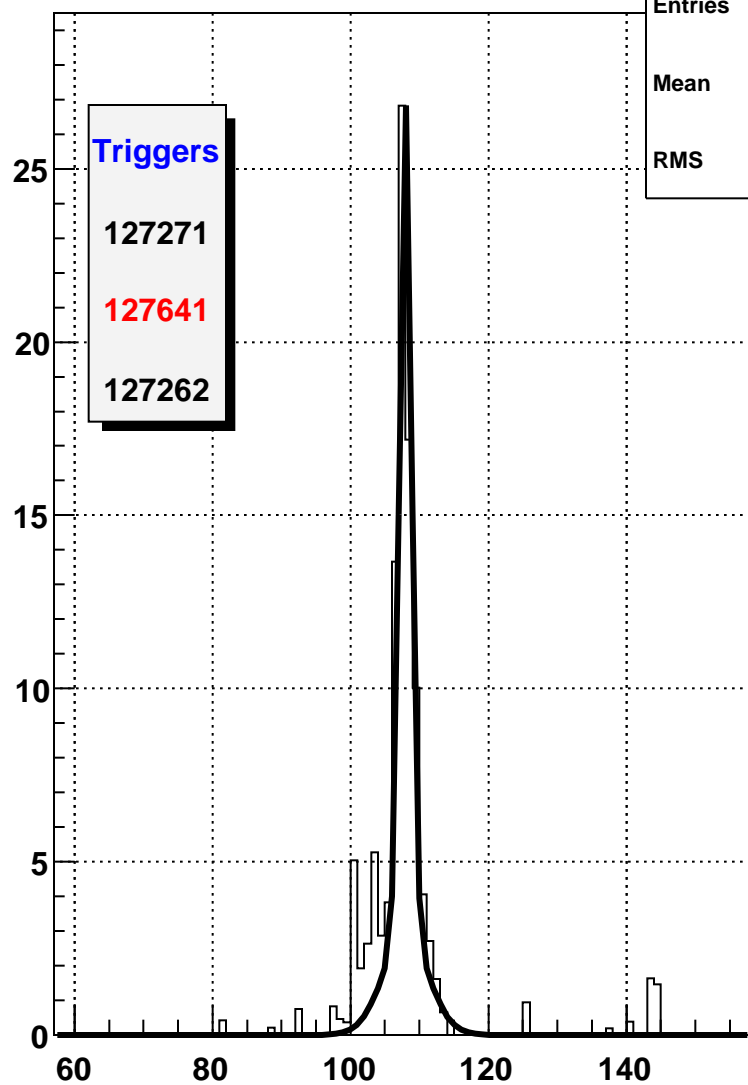
Entries	39
Mean	126.8
RMS	7.077



Run=7099046, Event=5495

**hSmdu**

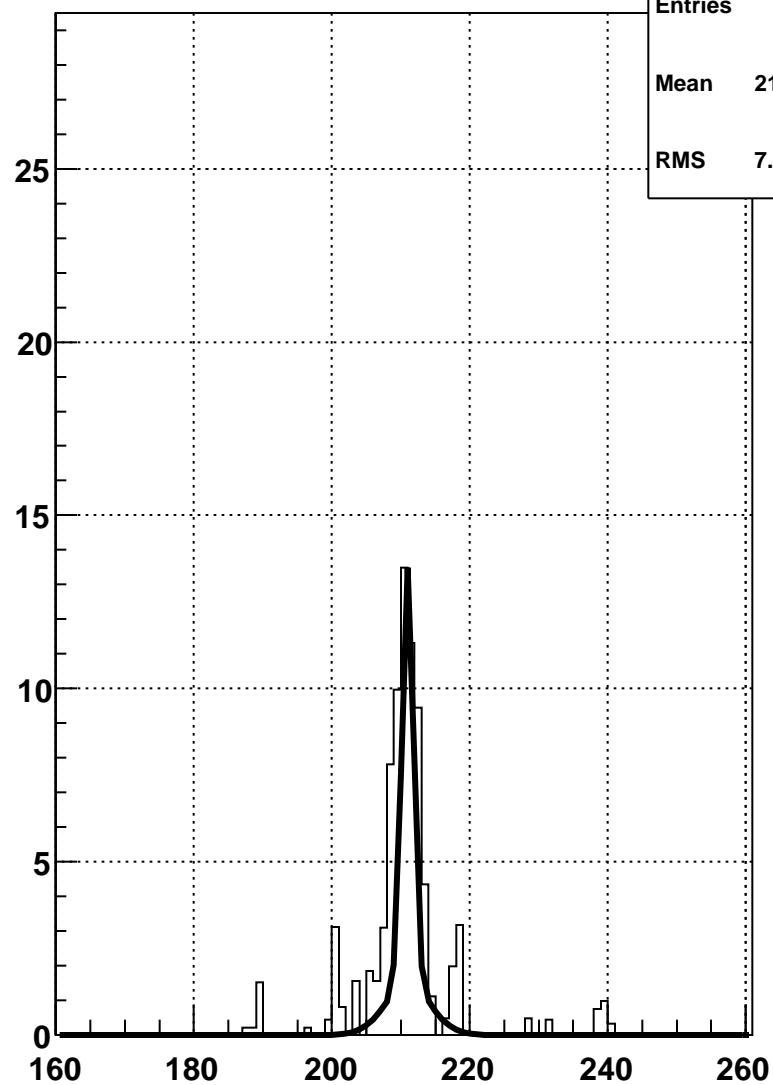
Entries	31
Mean	108.1
RMS	7.744



$p_T=5.1$  GeV,  $E=11.0$  GeV

**hSmdv**

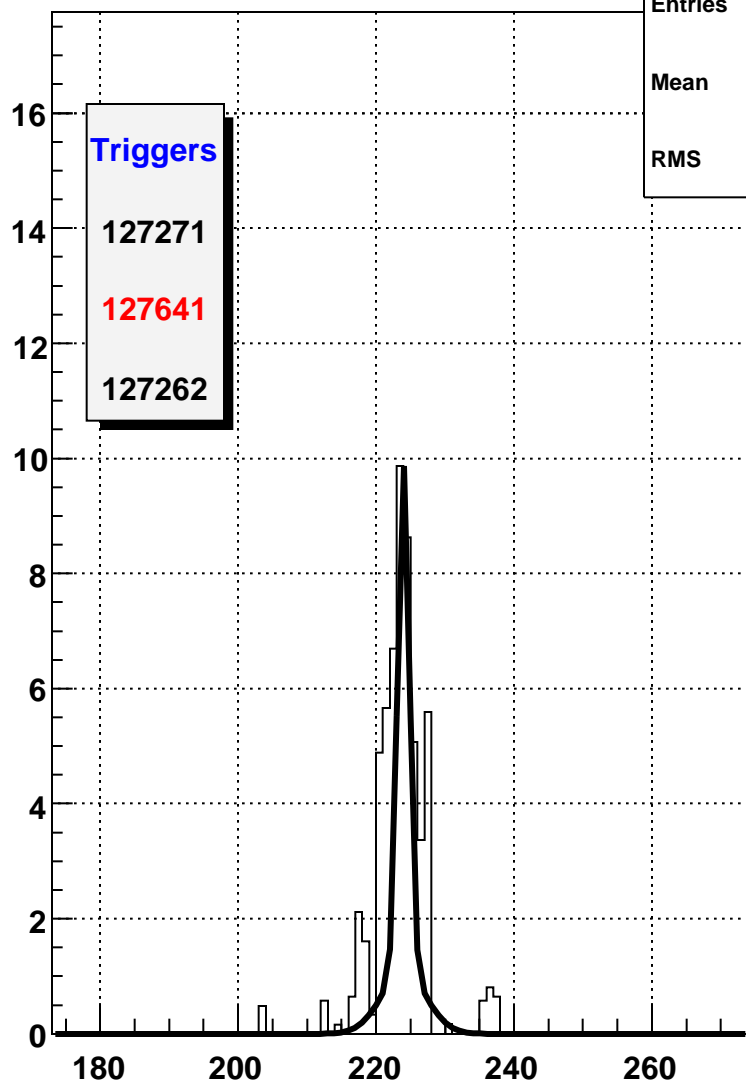
Entries	34
Mean	210.7
RMS	7.065



Run=7099046, Event=5766

**hSmdu**

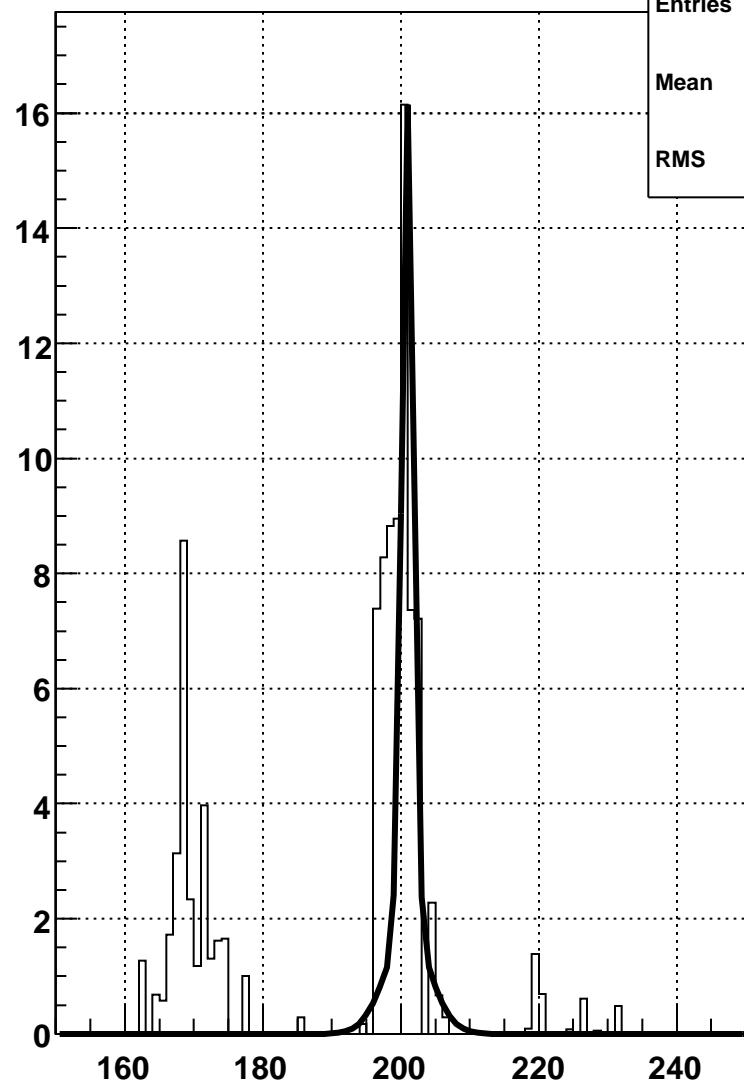
Entries	19
Mean	223.5
RMS	4.163



$p_T=6.0$  GeV,  $E=9.1$  GeV

**hSmdv**

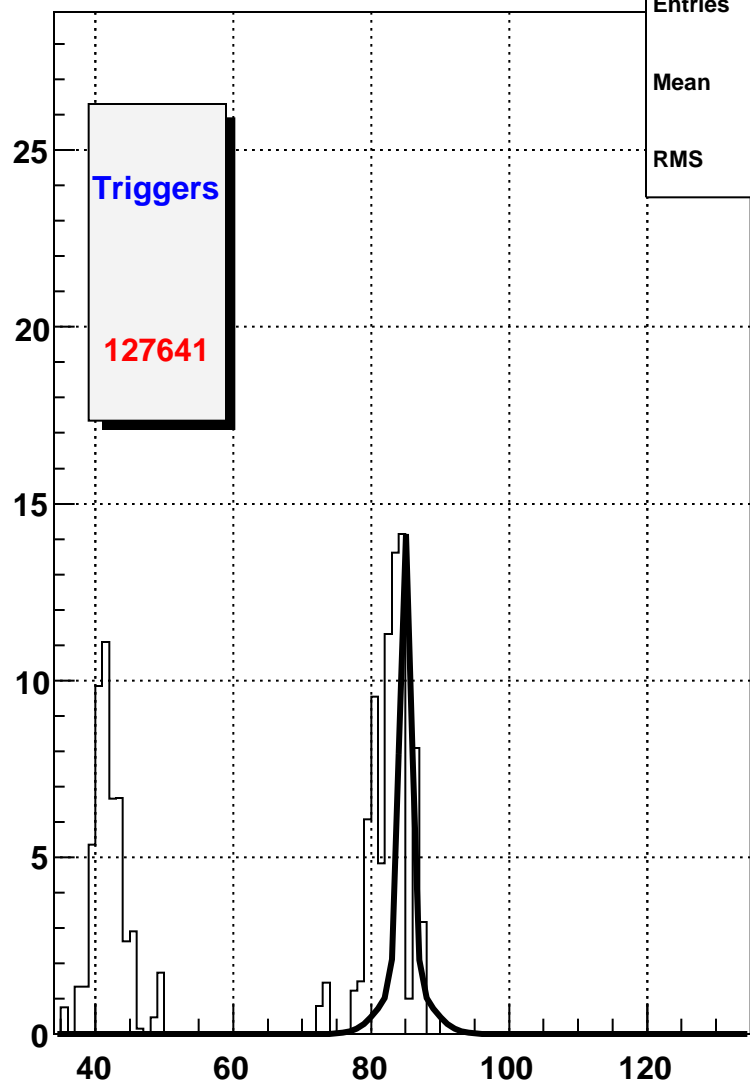
Entries	32
Mean	191.8
RMS	15.04



Run=7099046, Event=6255

**hSmdu**

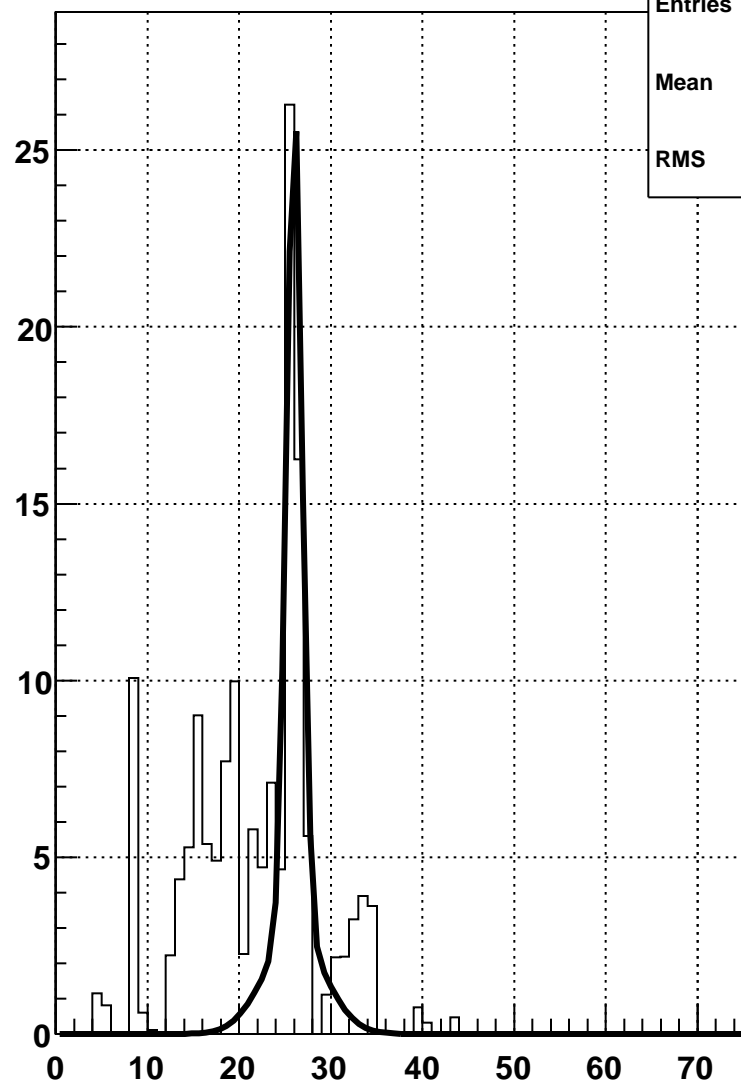
Entries	32
Mean	66.46
RMS	20.16



$p_T=5.9$  GeV,  $E=22.6$  GeV

**hSmdv**

Entries	33
Mean	21.85
RMS	6.98

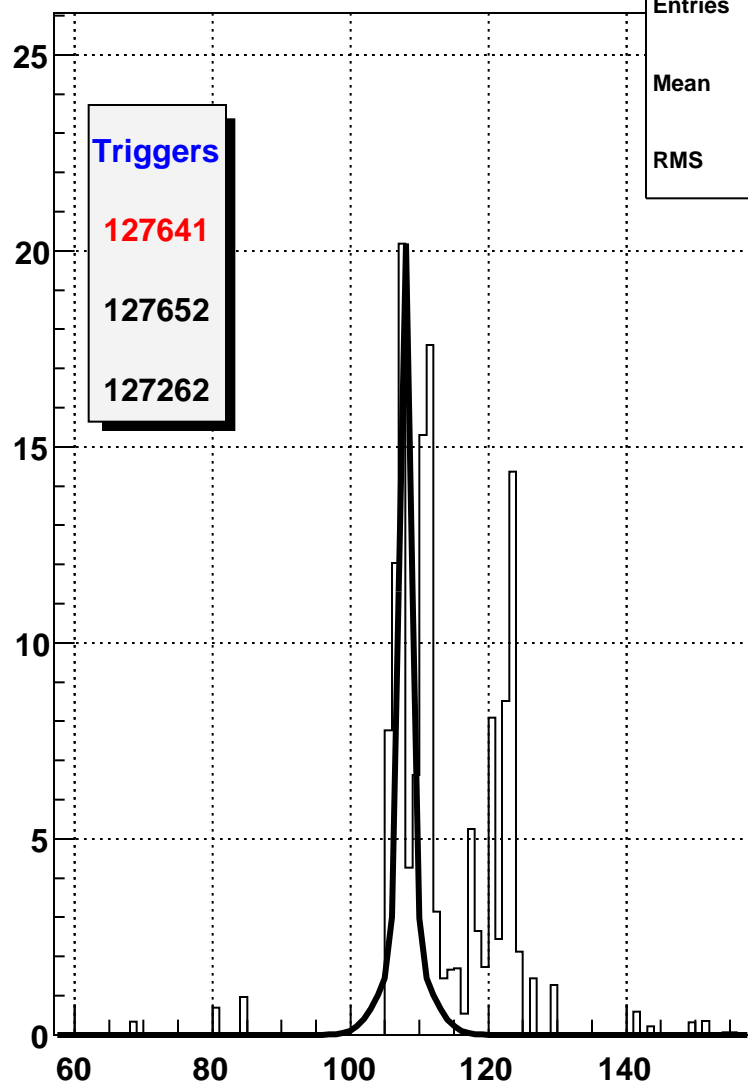




Run=7099046, Event=6566

**hSmdu**

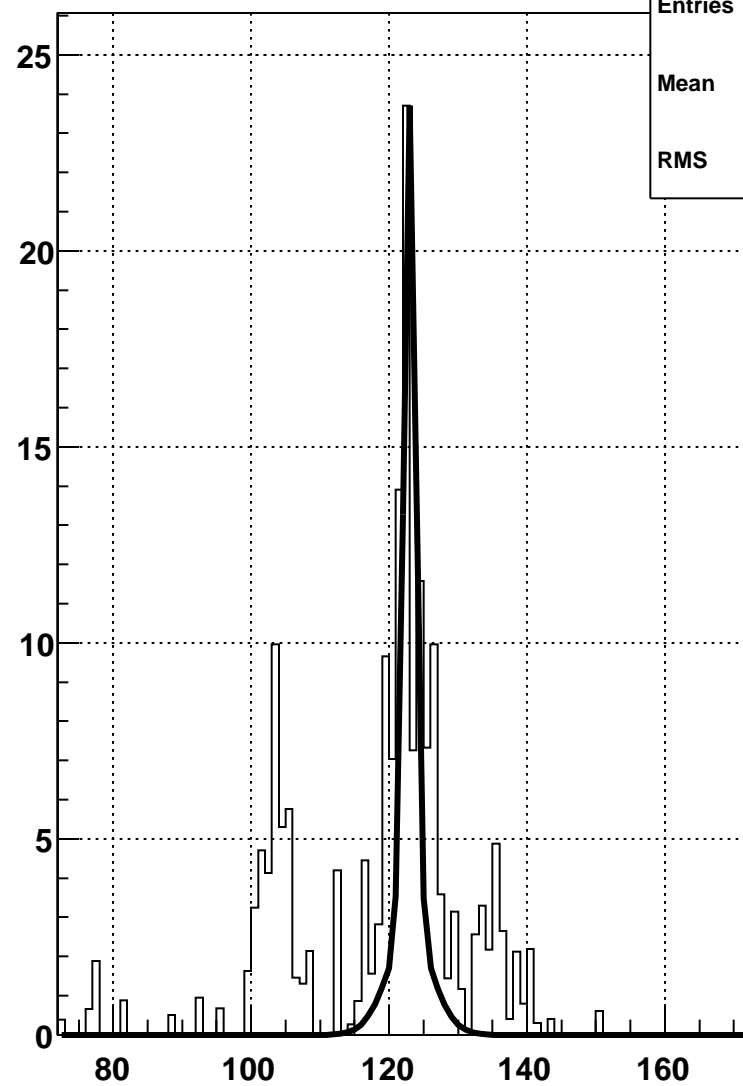
Entries	33
Mean	113.5
RMS	8.384



$p_T=6.5$  GeV,  $E=16.6$  GeV

**hSmdv**

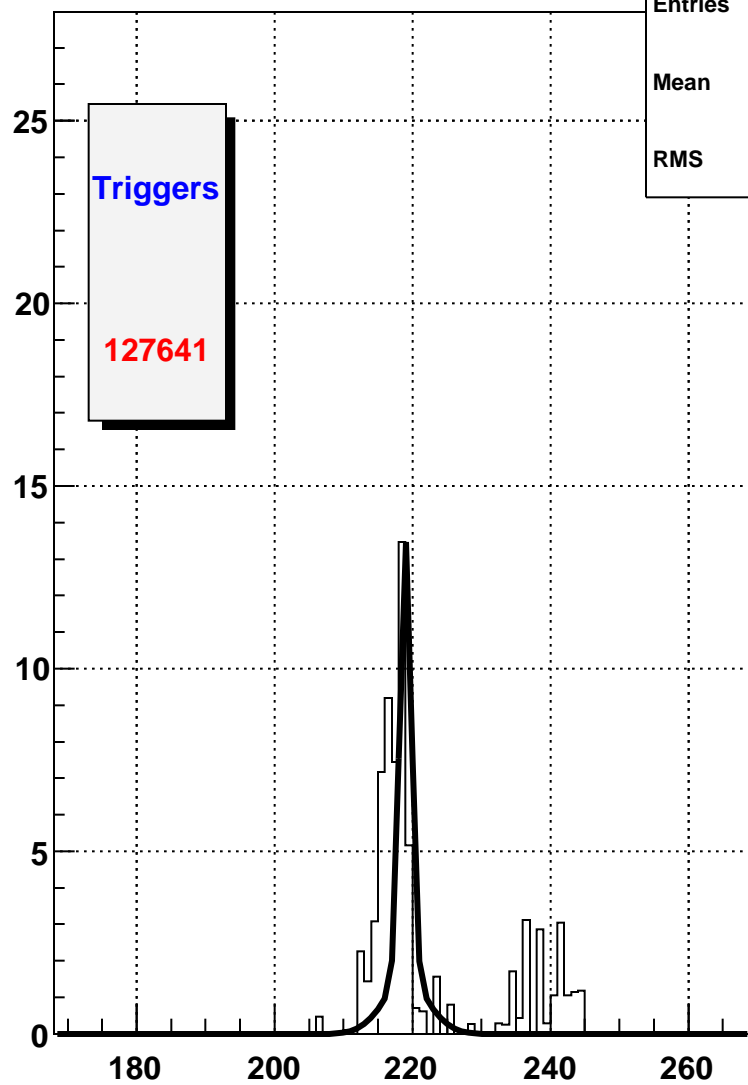
Entries	54
Mean	118.8
RMS	12.29



Run=7099046, Event=7339

**hSmdu**

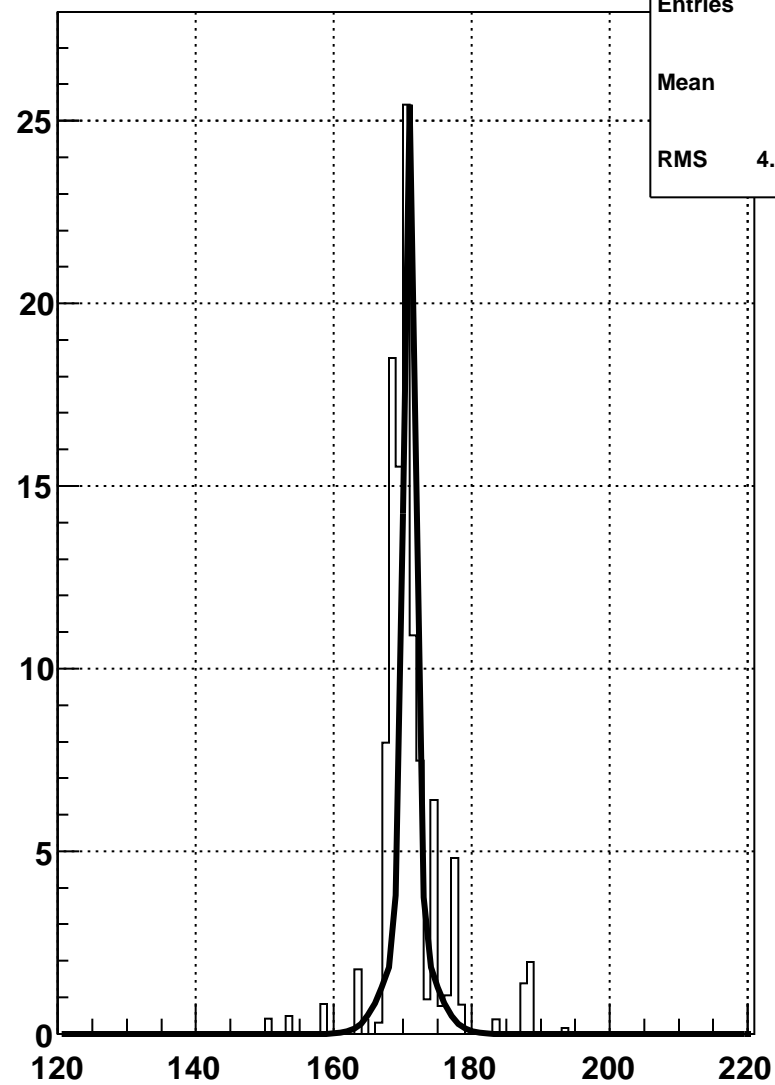
Entries	27
Mean	222.4
RMS	9.675



$p_T=6.5$  GeV,  $E=11.7$  GeV

**hSmdv**

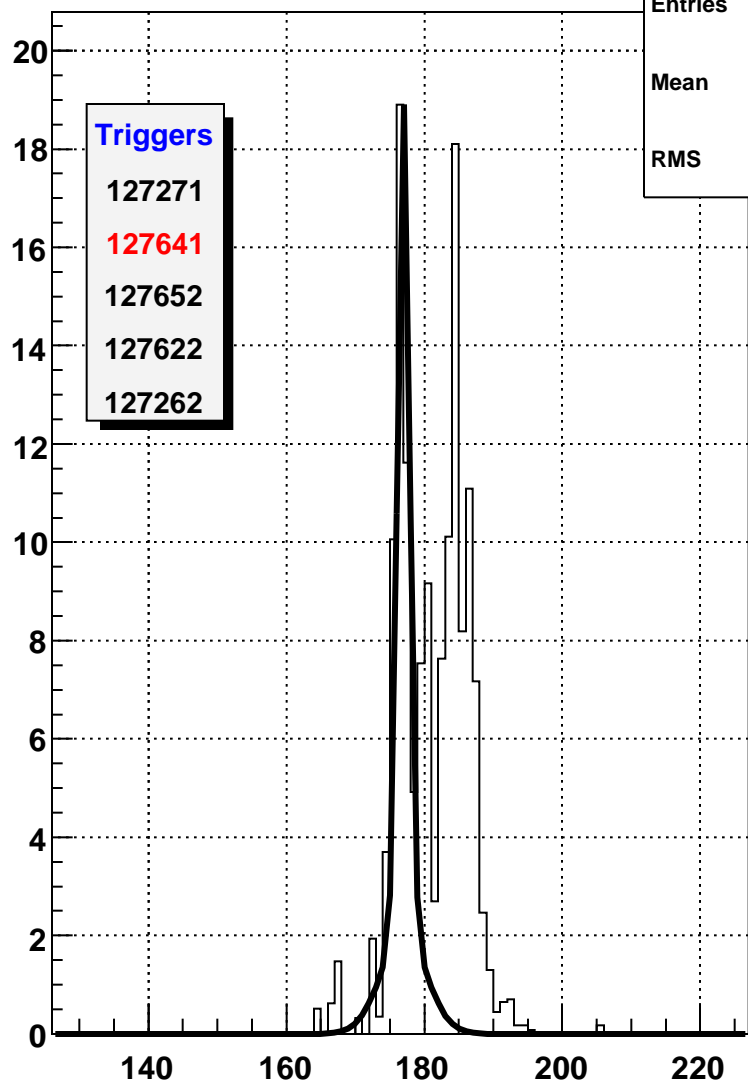
Entries	21
Mean	171
RMS	4.645



Run=7099046, Event=7357

**hSmdu**

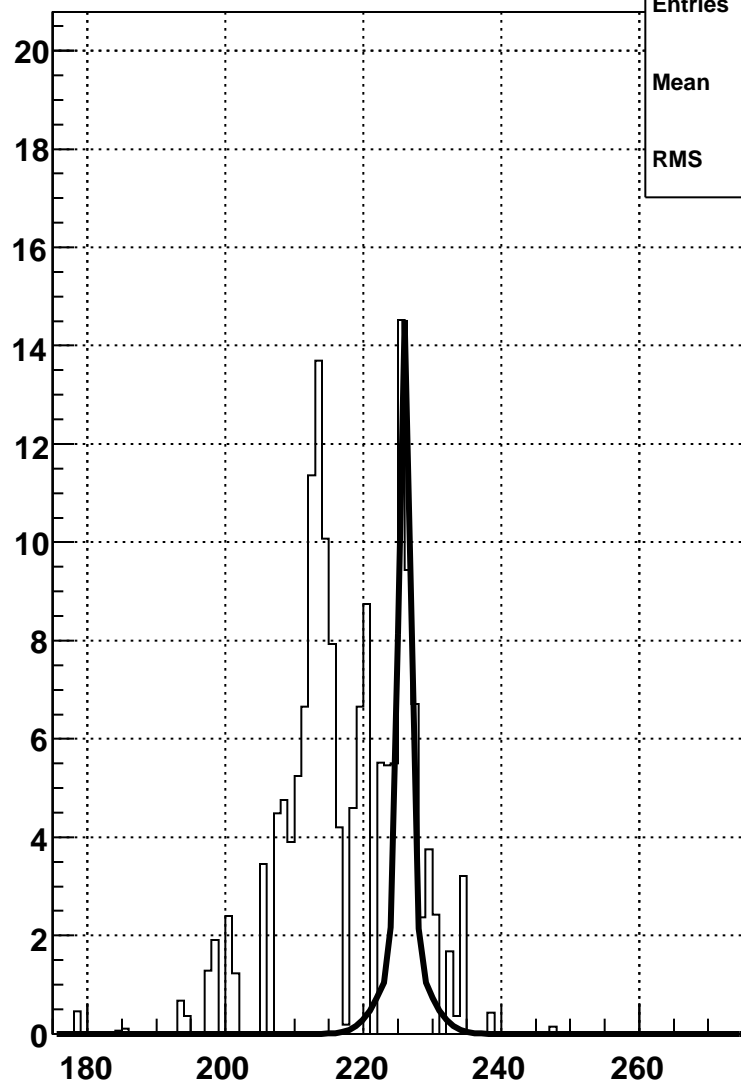
Entries	29
Mean	181.1
RMS	4.954



$p_T=5.7$  GeV,  $E=11.9$  GeV

**hSmdv**

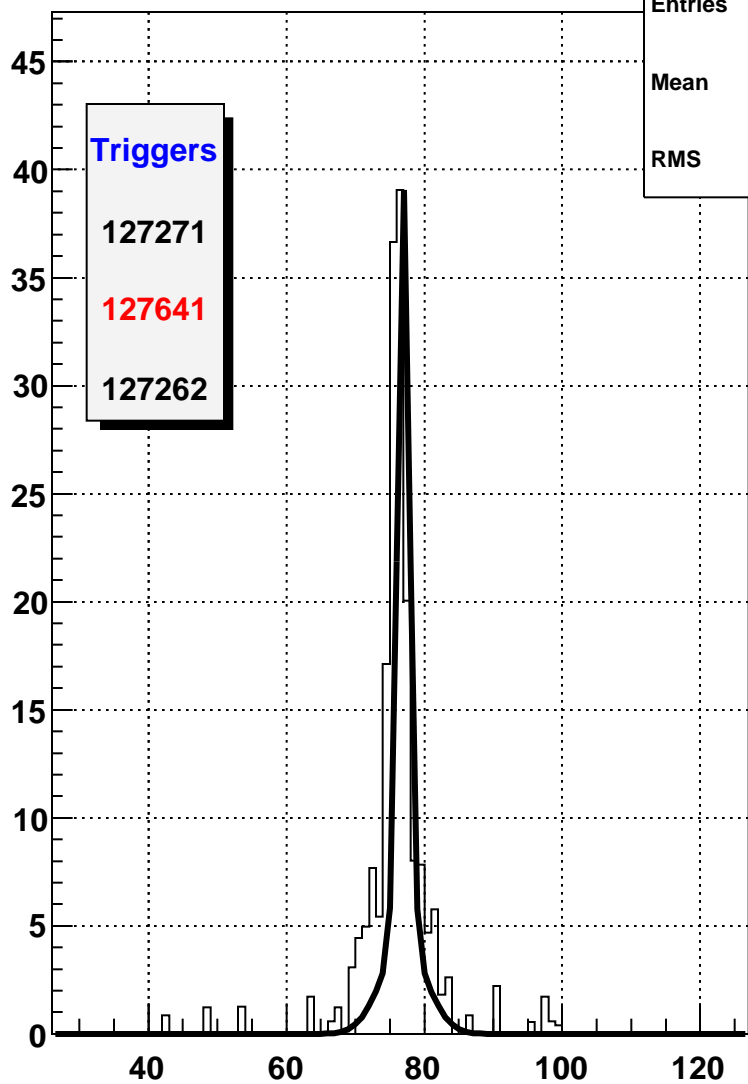
Entries	39
Mean	217.8
RMS	8.639



Run=7099046, Event=136

**hSmdu**

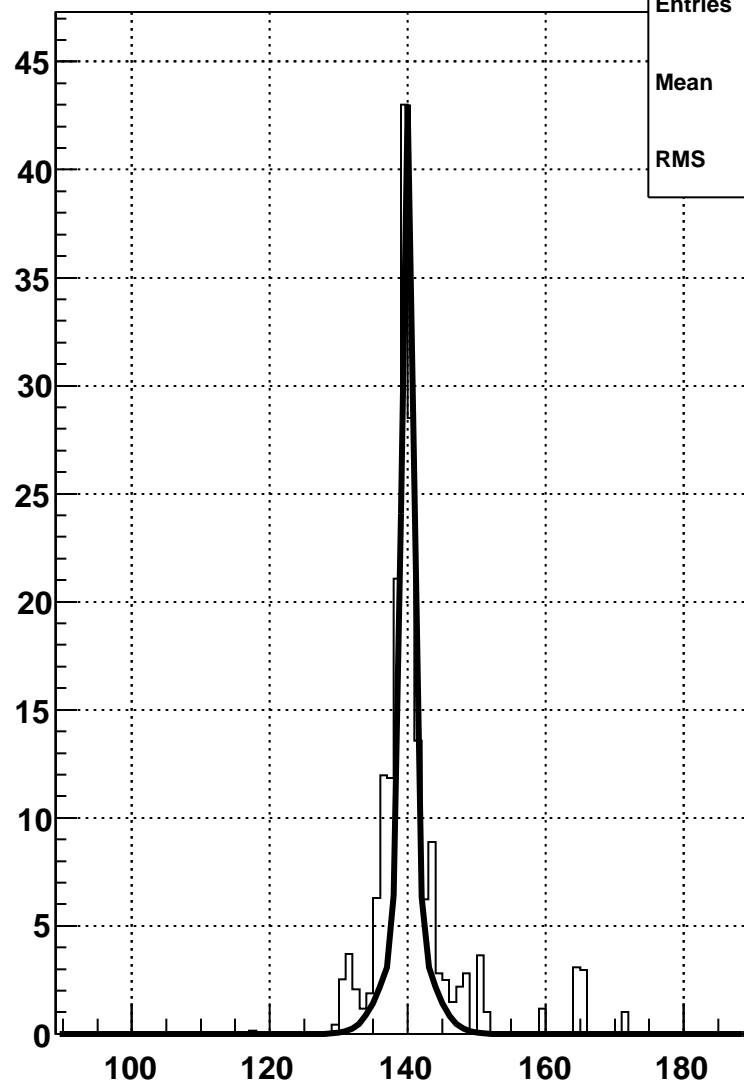
Entries	28
Mean	76.07
RMS	5.847



$p_T=10.1$  GeV,  $E=24.2$  GeV

**hSmdv**

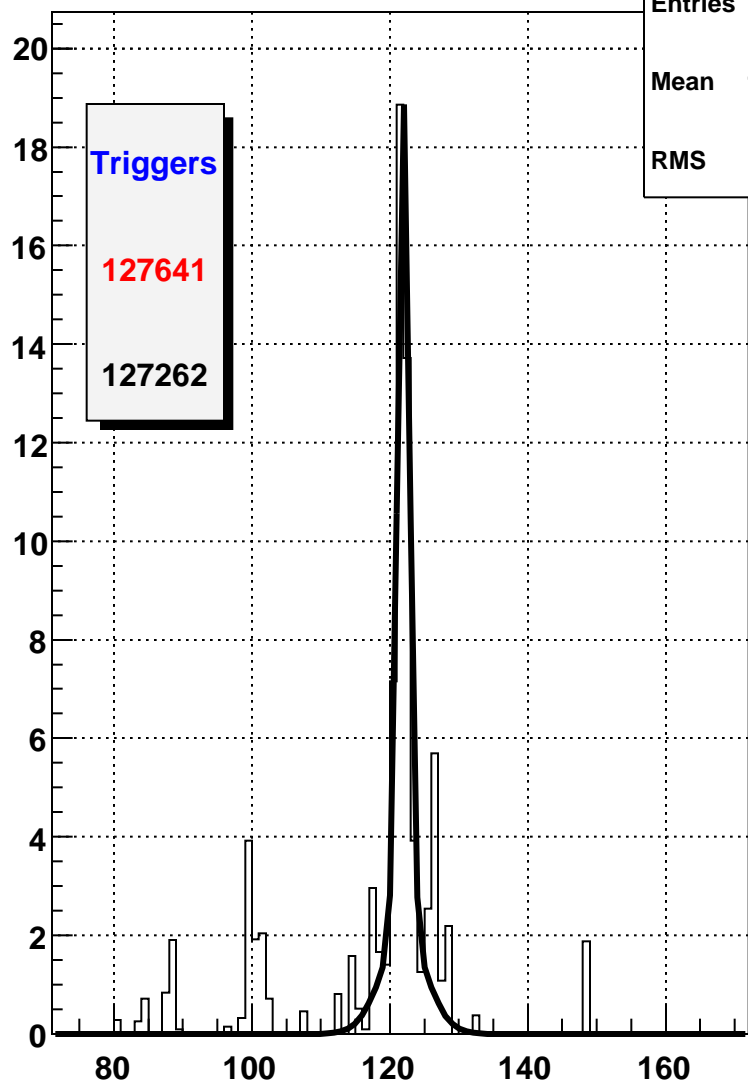
Entries	27
Mean	140.9
RMS	6.34



Run=7099046, Event=442

**hSmdu**

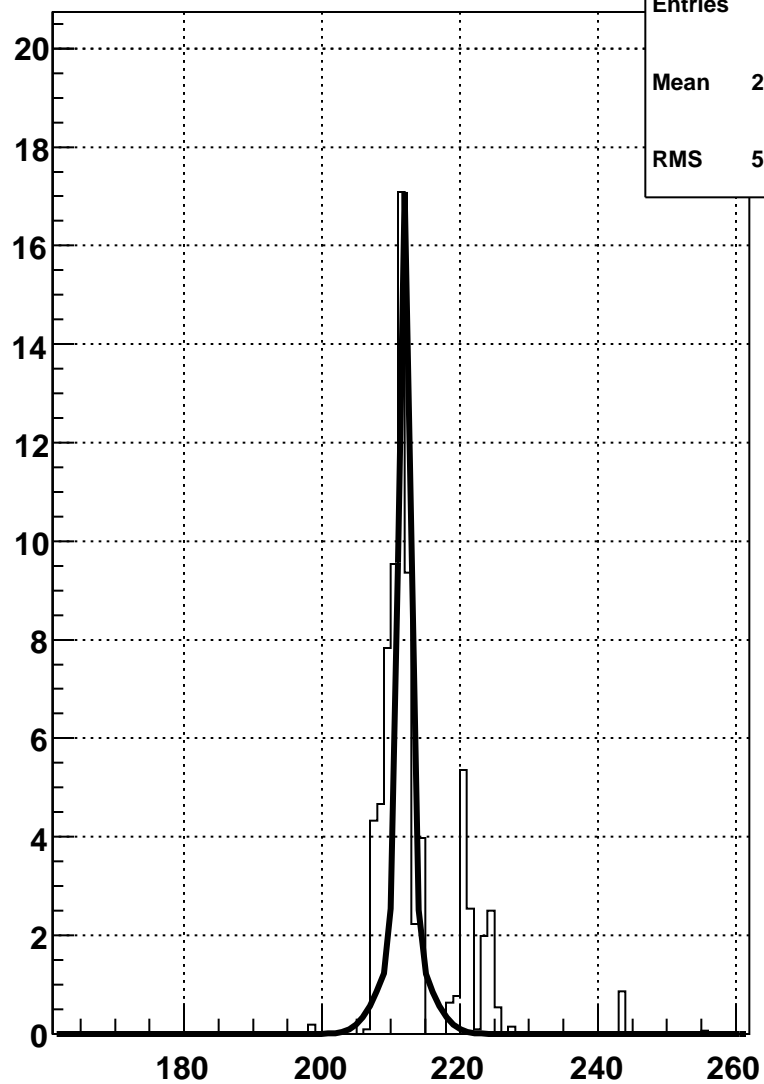
Entries	31
Mean	118.4
RMS	11.31



$p_T=6.0$  GeV,  $E=10.0$  GeV

**hSmdv**

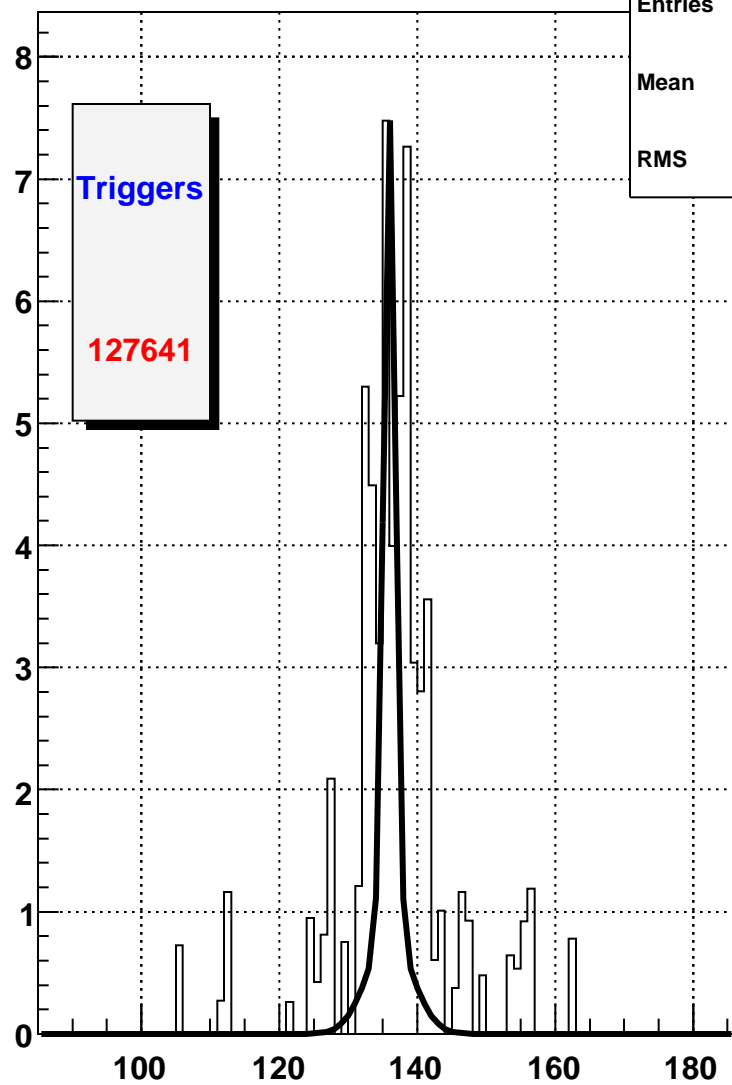
Entries	21
Mean	213.5
RMS	5.888



Run=7099046, Event=507

**hSmdu**

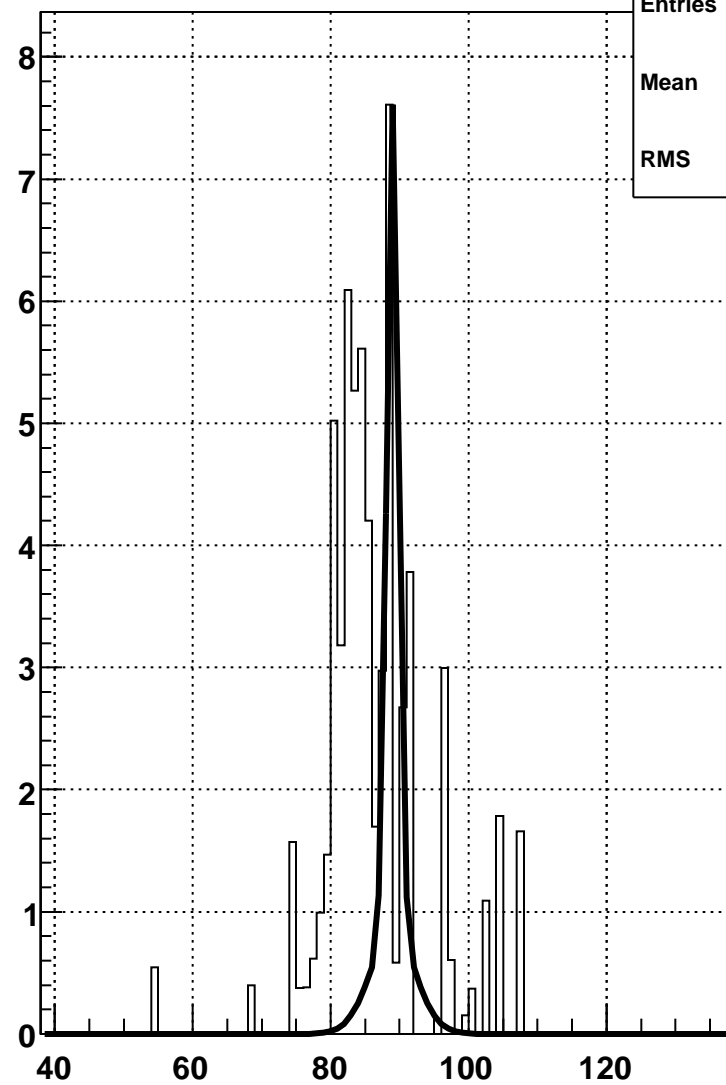
Entries	31
Mean	136.8
RMS	8.45



$p_T=5.6$  GeV,  $E=9.9$  GeV

**hSmdv**

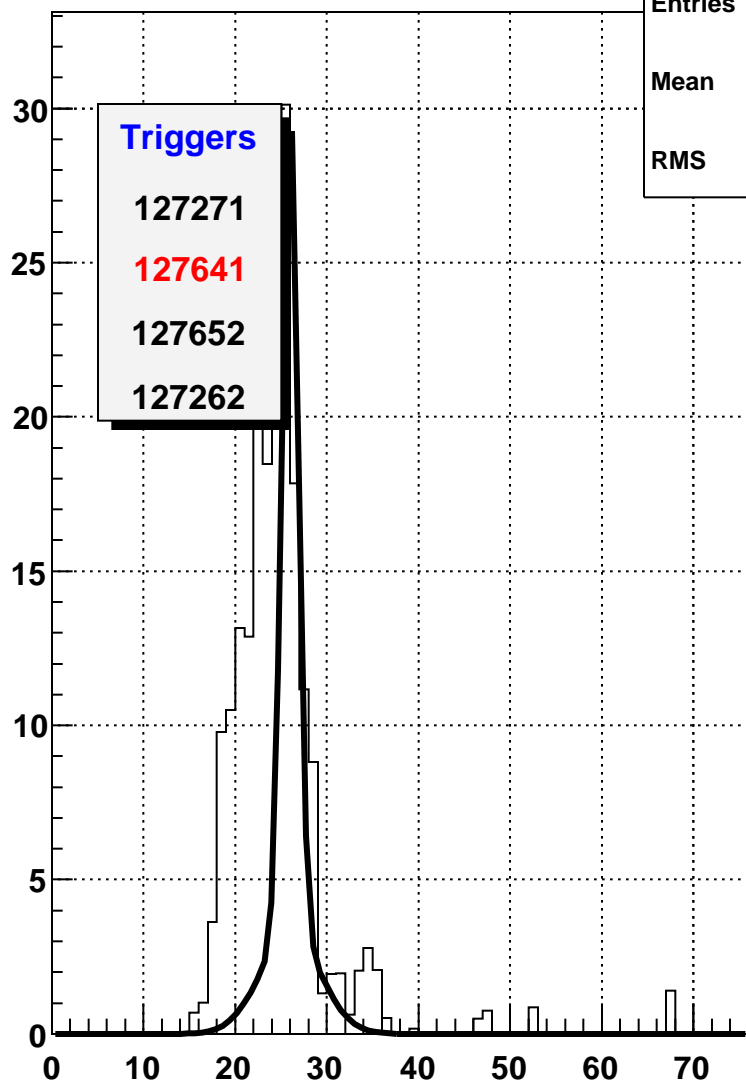
Entries	27
Mean	86.52
RMS	7.773



Run=7099046, Event=1851

**hSmdu**

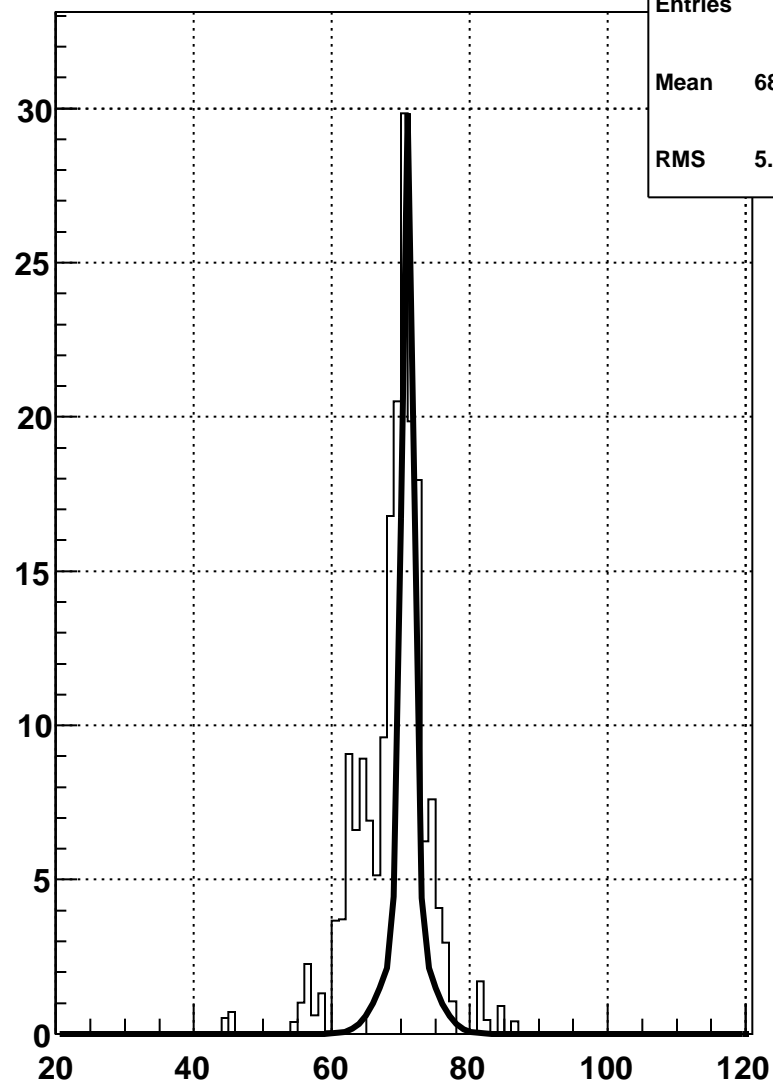
Entries	27
Mean	24.8
RMS	5.691



$p_T=7.1$  GeV,  $E=27.3$  GeV

**hSmdv**

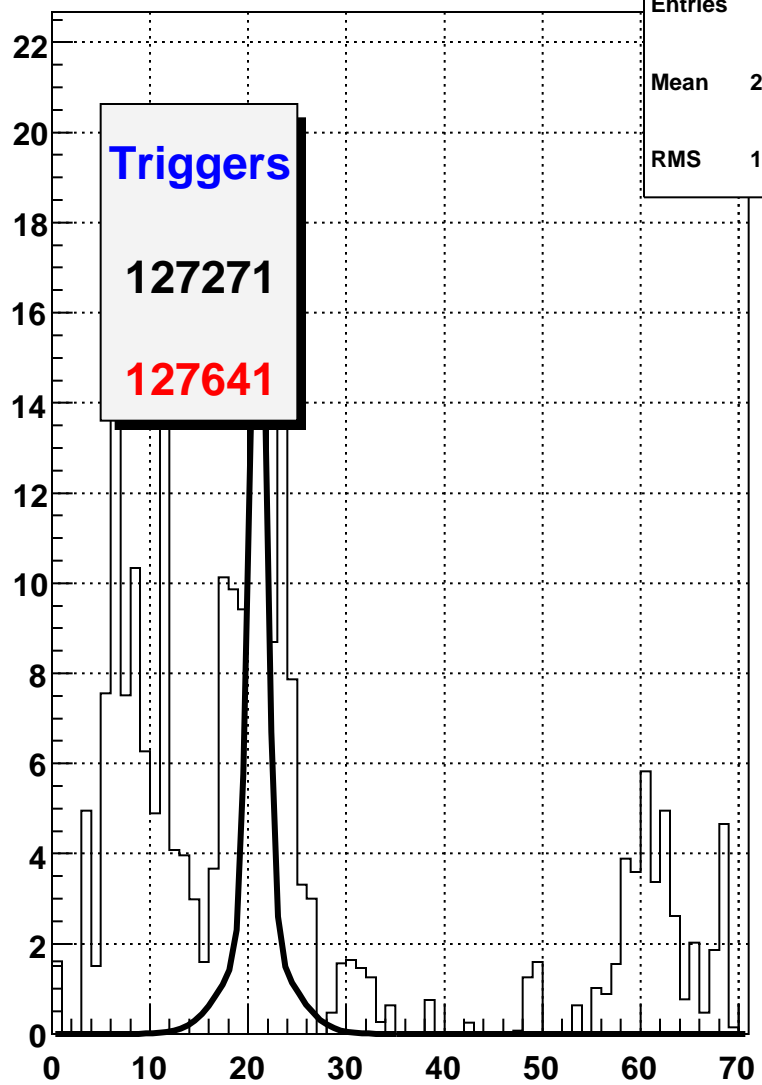
Entries	30
Mean	68.95
RMS	5.025



Run=7099046, Event=2252

**hSmdu**

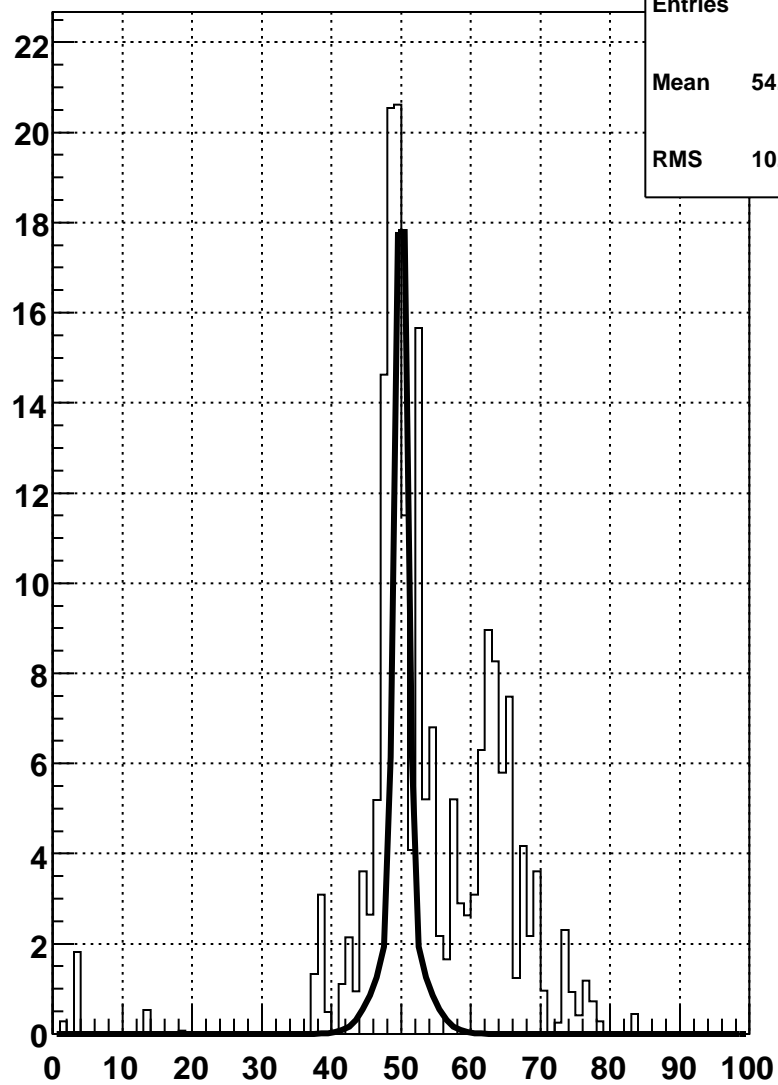
Entries	60
Mean	23.84
RMS	18.33



$p_T=7.5$  GeV,  $E=28.2$  GeV

**hSmdv**

Entries	45
Mean	54.07
RMS	10.15

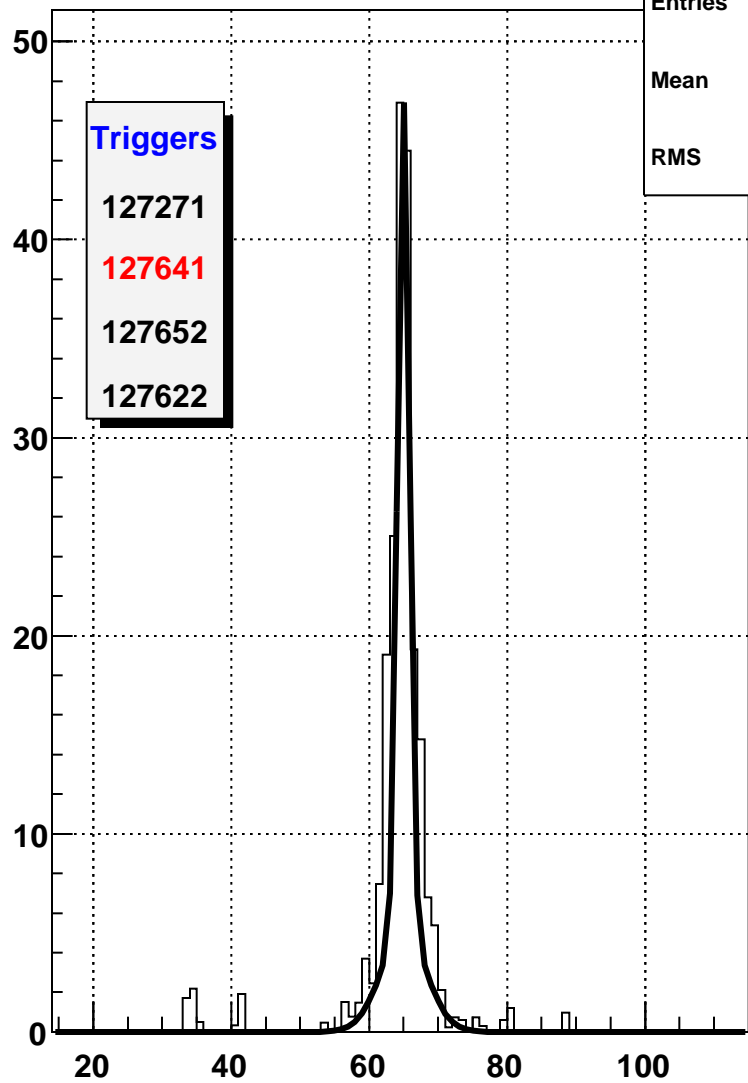




Run=7099046, Event=2425

**hSmdu**

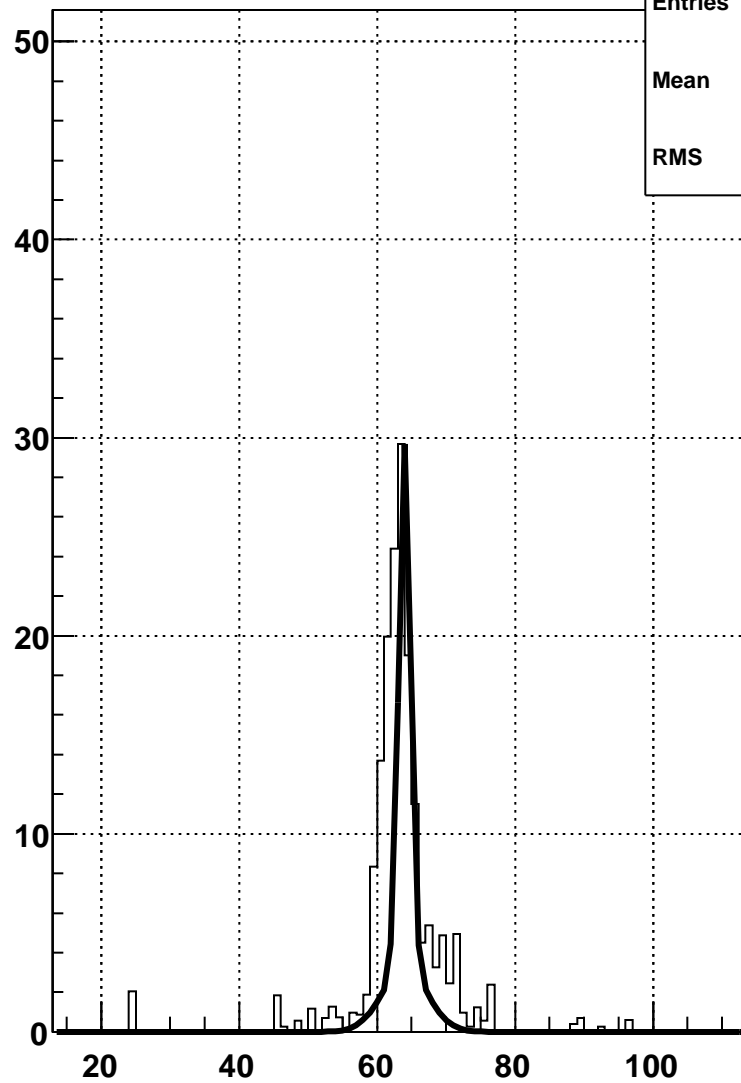
Entries	29
Mean	64.22
RMS	5.961



$p_T=8.6$  GeV,  $E=20.2$  GeV

**hSmdv**

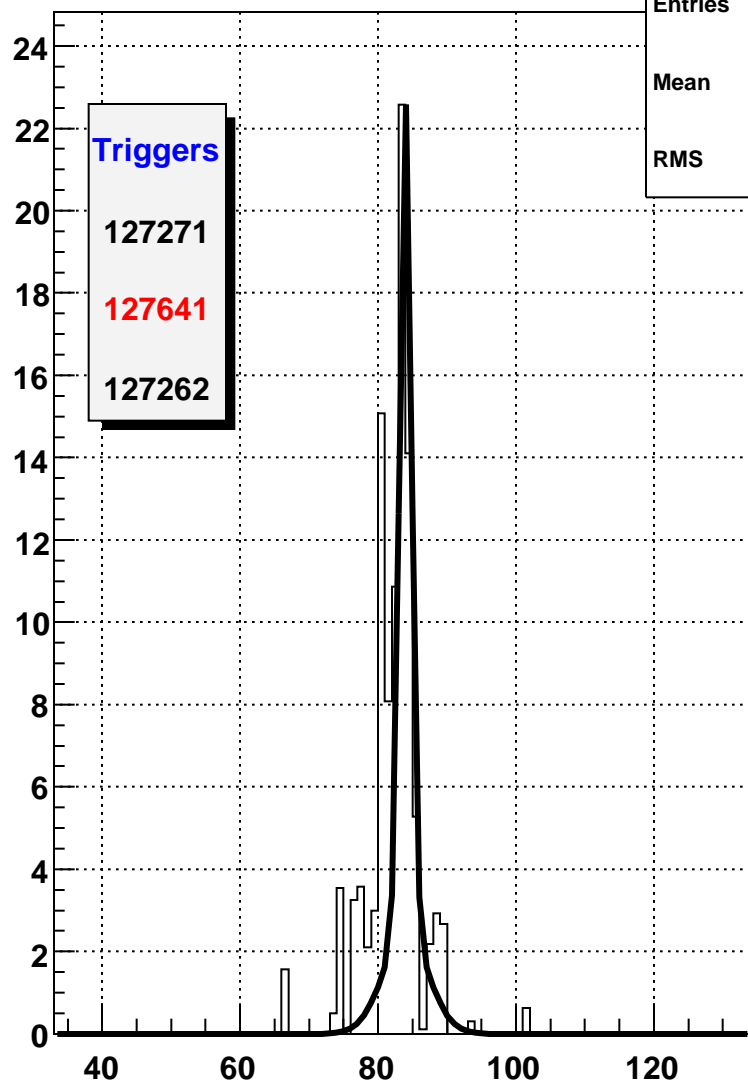
Entries	35
Mean	63.32
RMS	6.877



Run=7099046, Event=2604

**hSmdu**

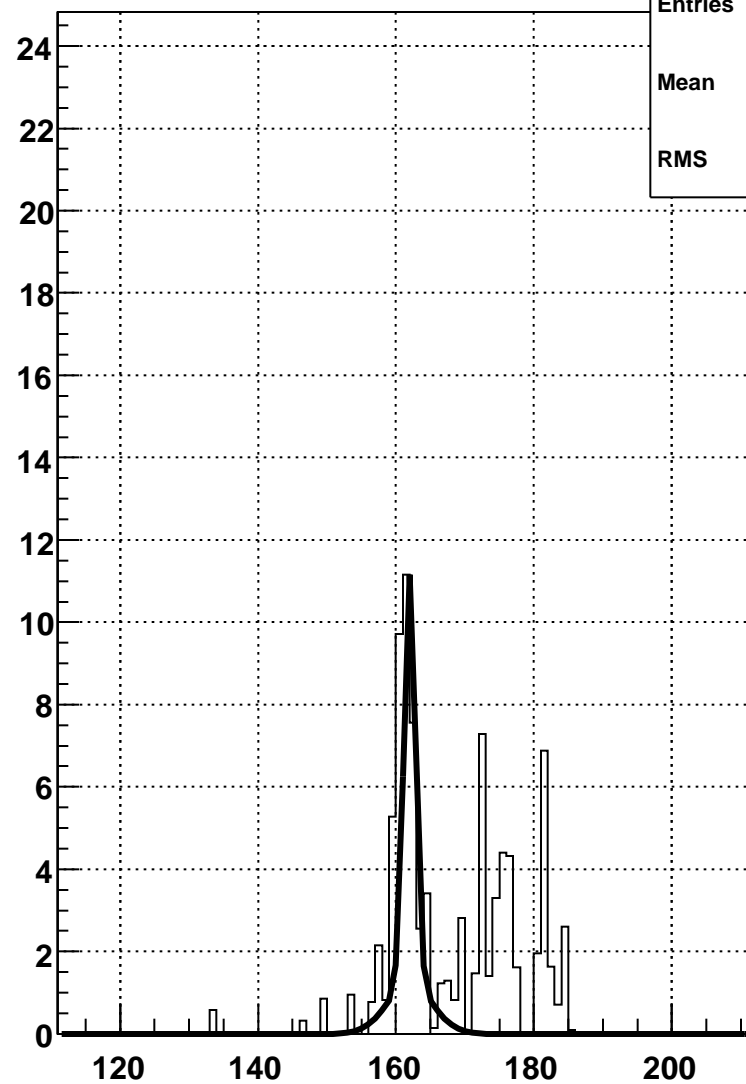
Entries	19
Mean	82.29
RMS	4.053



$p_T=6.2$  GeV,  $E=15.9$  GeV

**hSmdv**

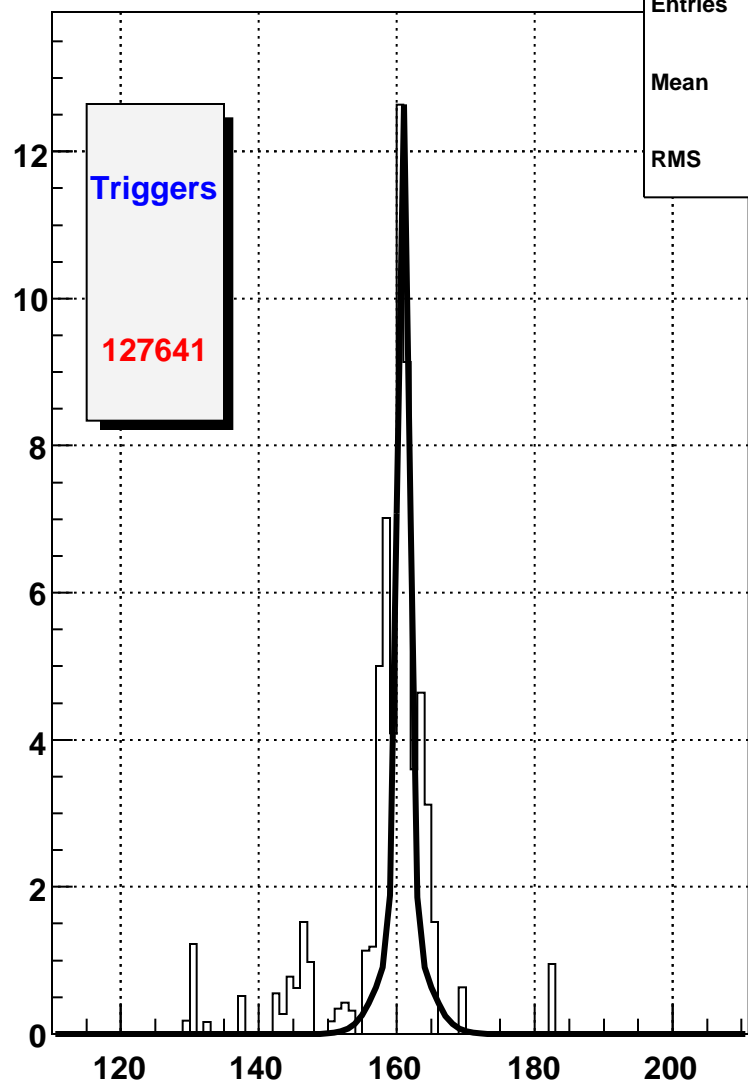
Entries	31
Mean	168
RMS	9.024



Run=7099046, Event=3034

**hSmdu**

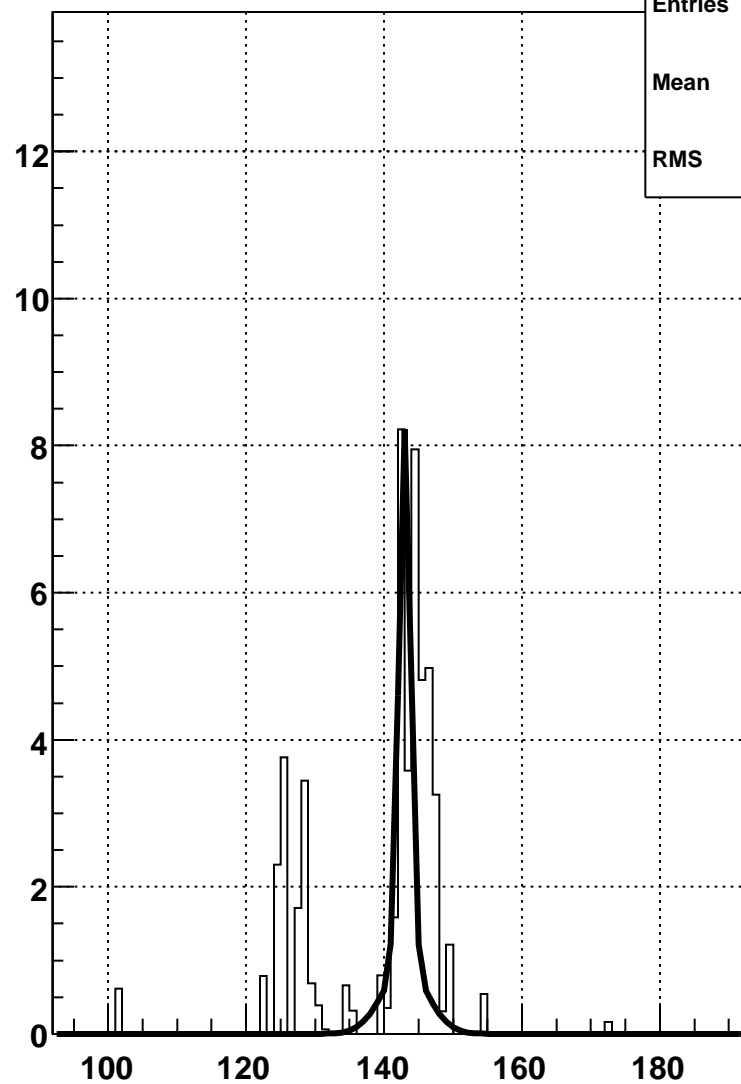
Entries	27
Mean	158.8
RMS	7.404



$p_T=5.0$  GeV,  $E=10.3$  GeV

**hSmdv**

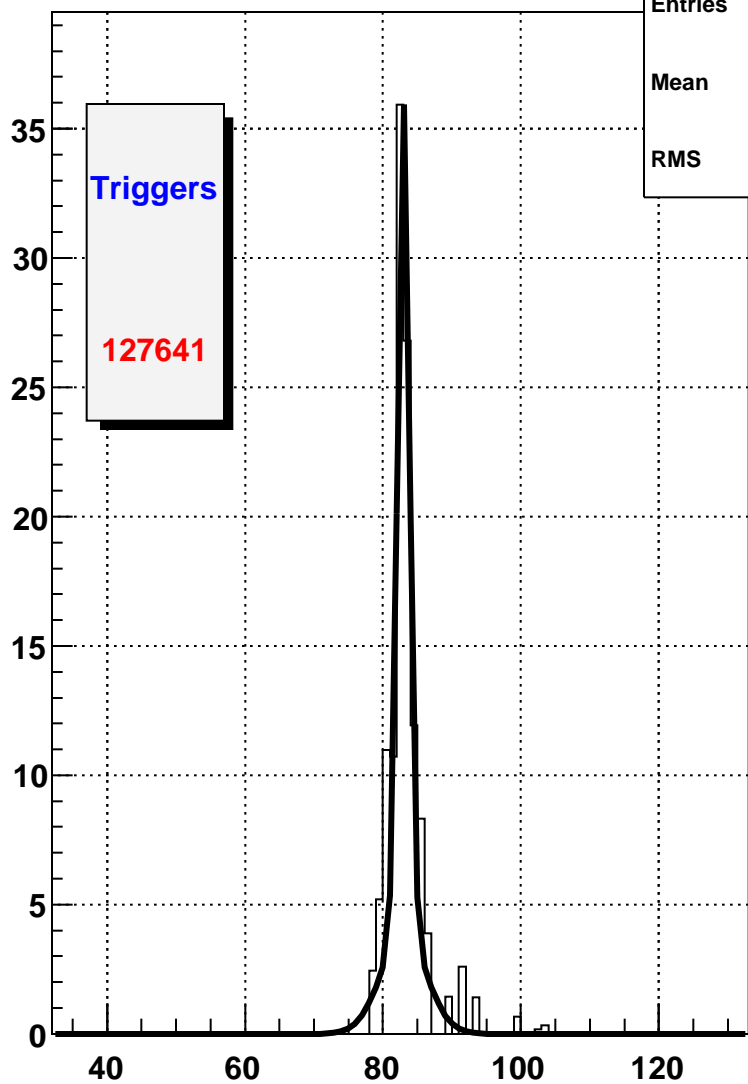
Entries	24
Mean	139.5
RMS	9.325



Run=7099046, Event=50005

**hSmdu**

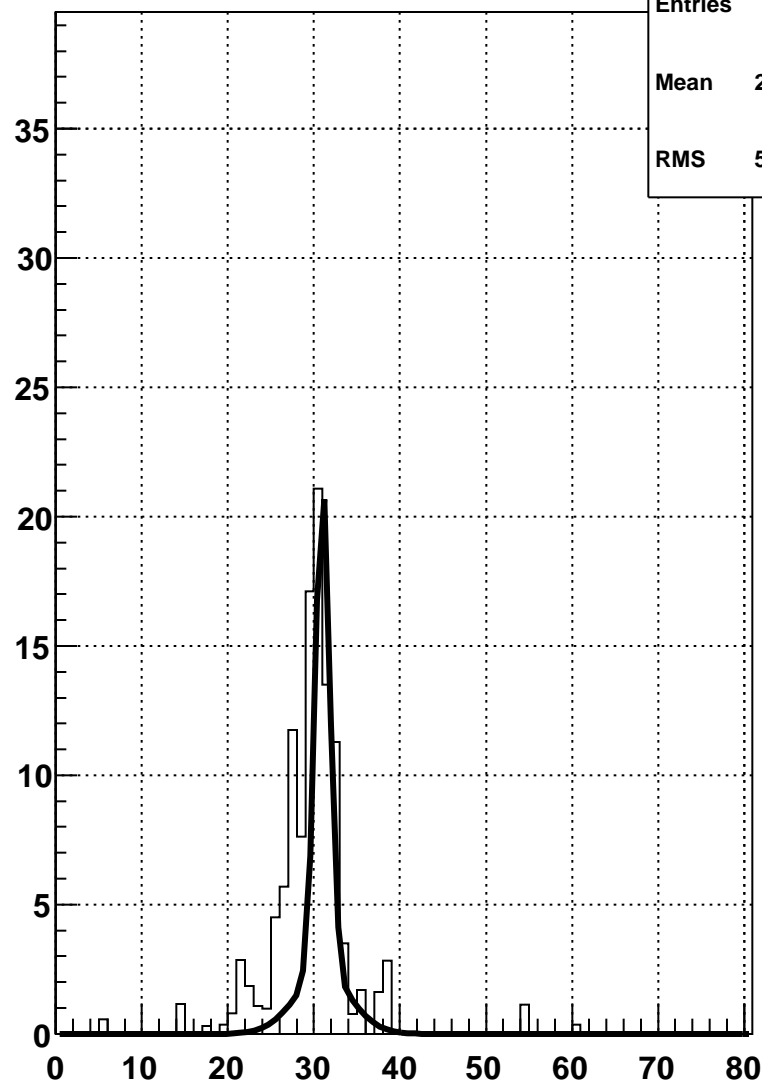
Entries	15
Mean	83.35
RMS	3.034



$p_T=6.0$  GeV,  $E=13.5$  GeV

**hSmdv**

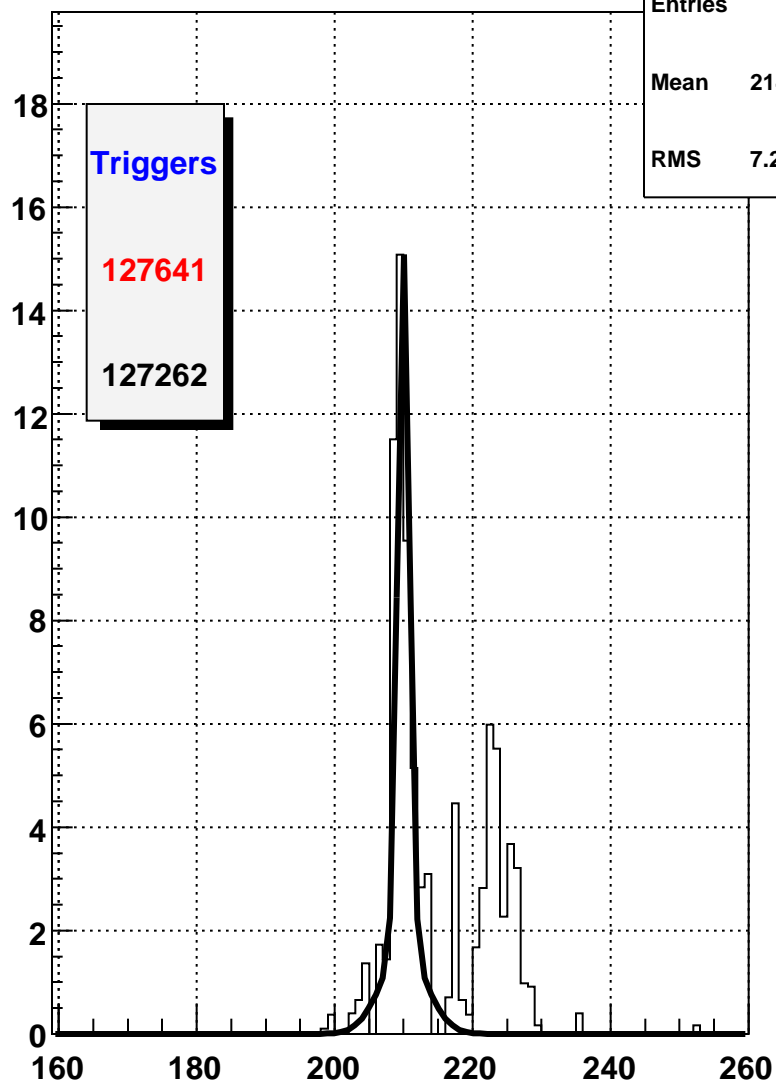
Entries	24
Mean	29.76
RMS	5.074



Run=7099046, Event=50225

**hSmdu**

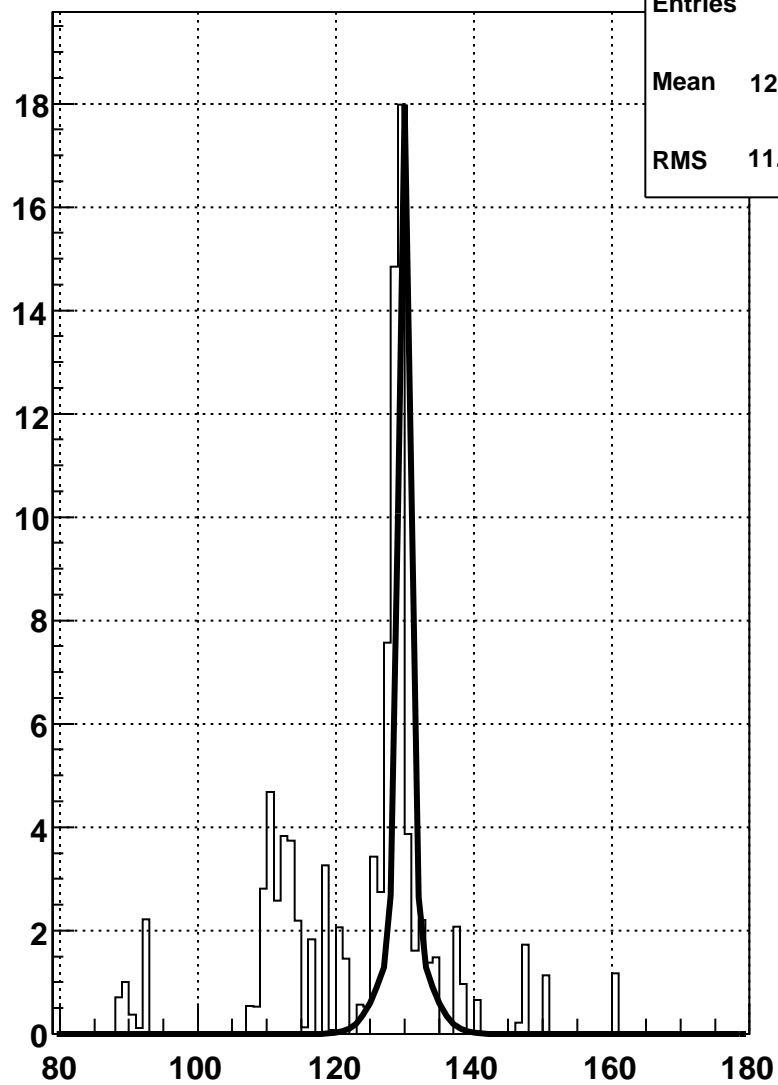
Entries	29
Mean	214.8
RMS	7.243



$p_T=5.0$  GeV,  $E=10.8$  GeV

**hSmdv**

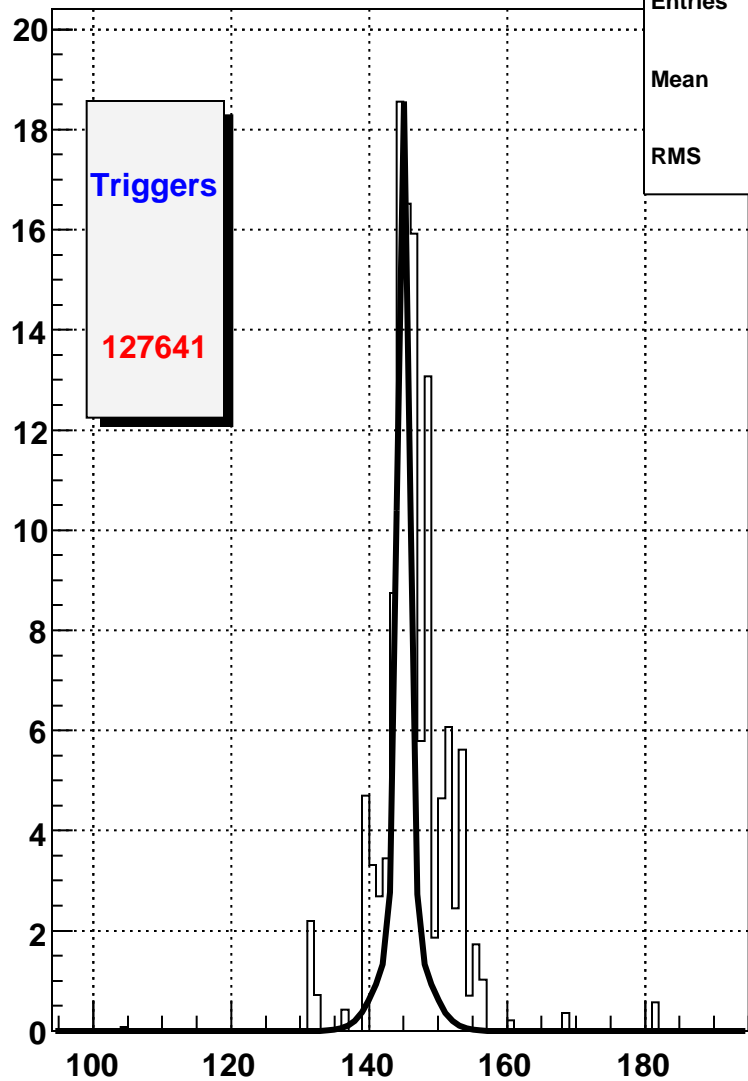
Entries	38
Mean	124.1
RMS	11.87



Run=7099046, Event=51026

**hSmdu**

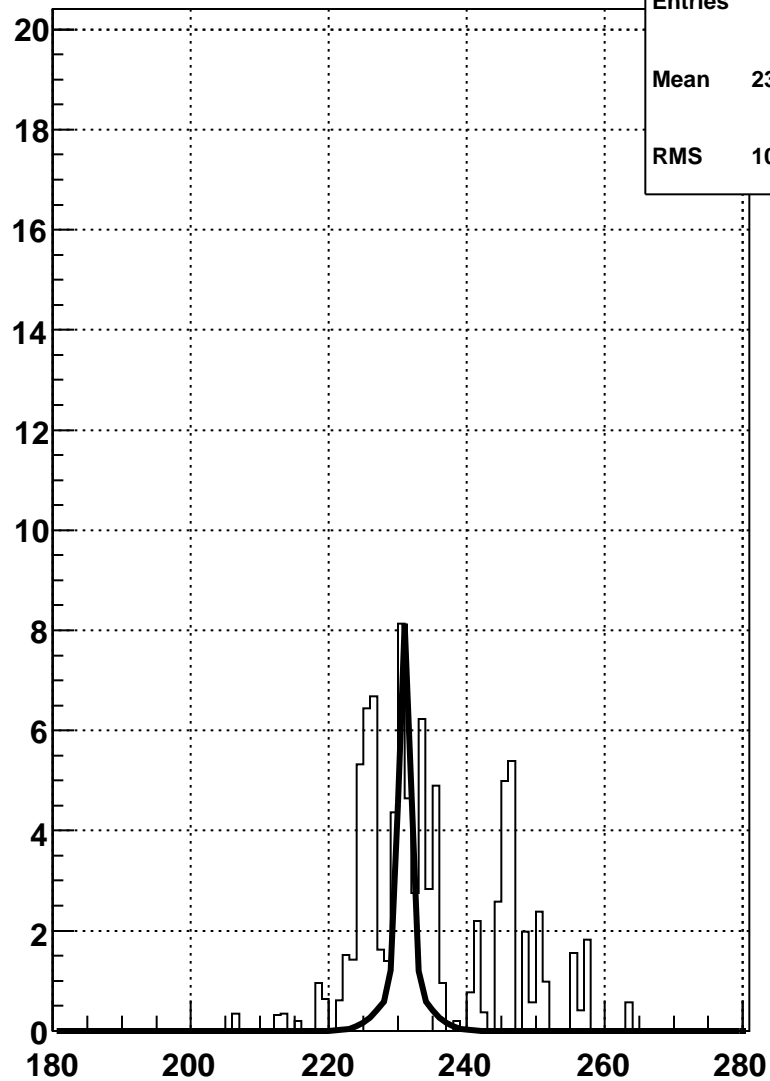
Entries	25
Mean	146.4
RMS	5.225



$p_T=8.1$  GeV,  $E=11.2$  GeV

**hSmdv**

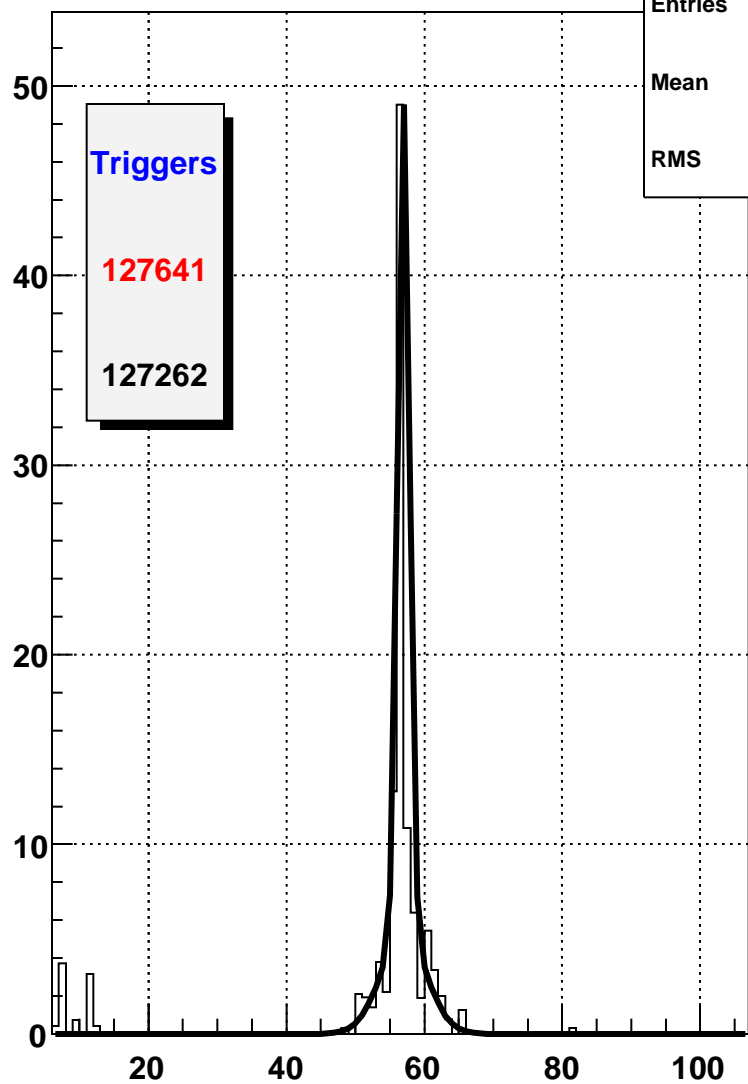
Entries	37
Mean	234.6
RMS	10.03



Run=7099046, Event=51086

**hSmdu**

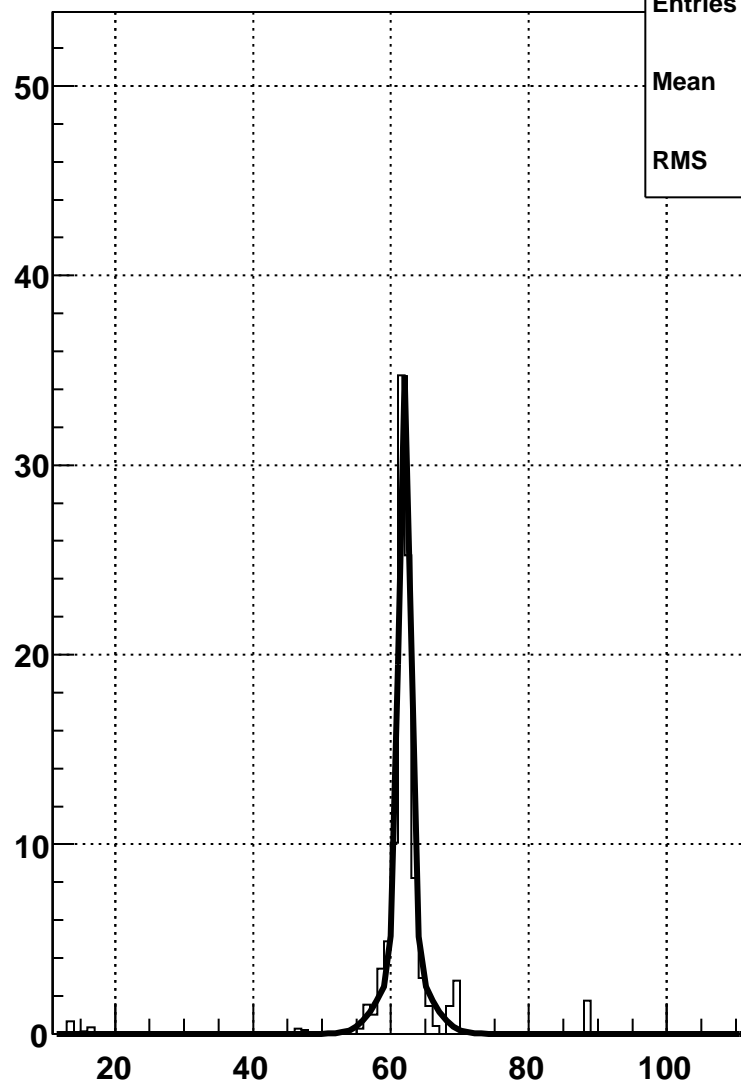
Entries	27
Mean	53.4
RMS	12.76



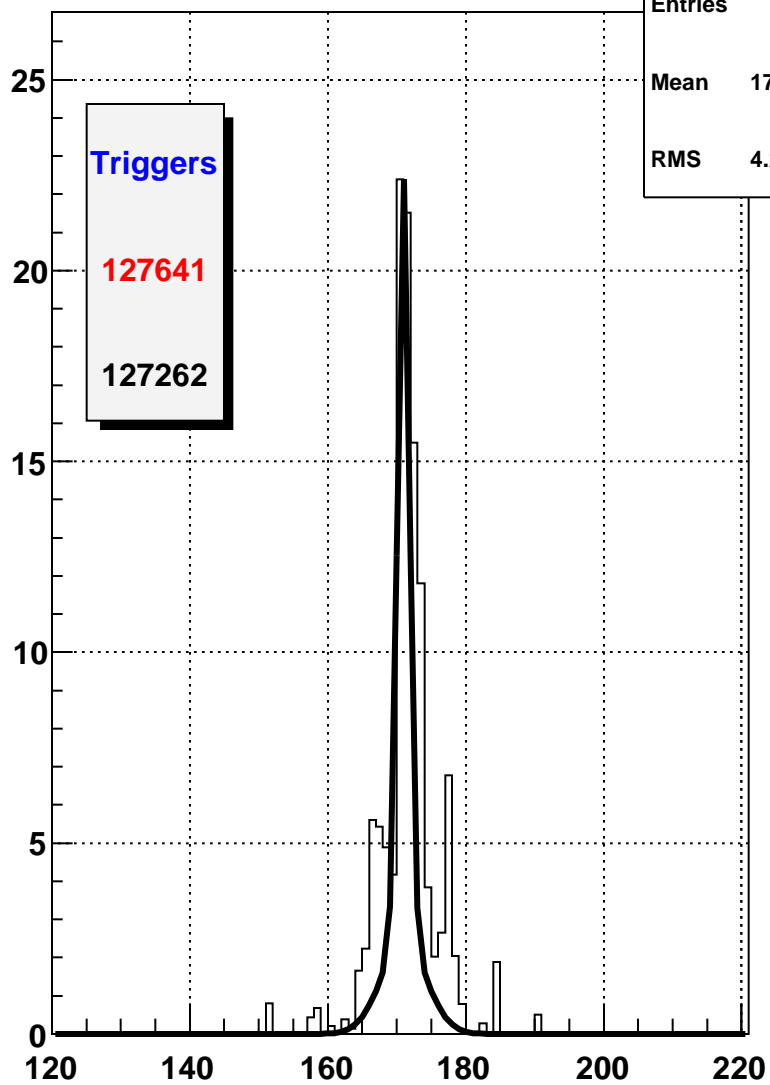
$p_T=6.4$  GeV,  $E=21.8$  GeV

**hSmdv**

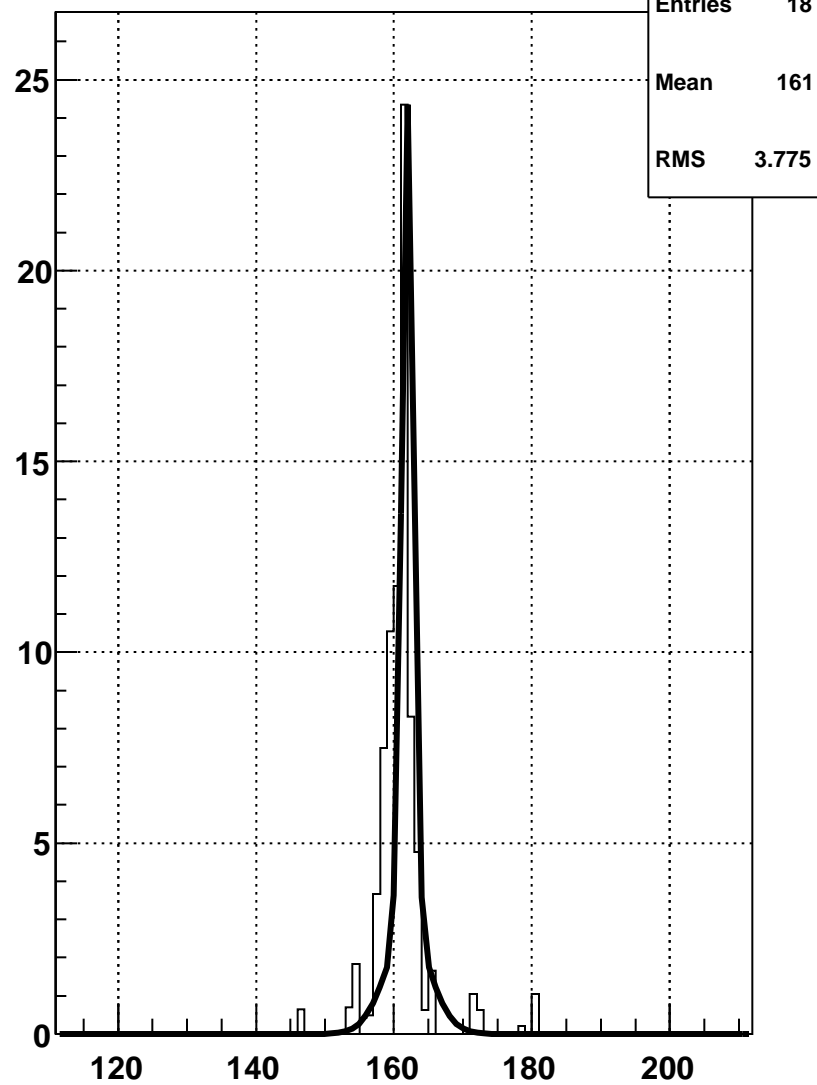
Entries	32
Mean	61.81
RMS	6.6



Run=7099046, Event=51421



$p_T=5.5$  GeV,  $E=10.7$  GeV

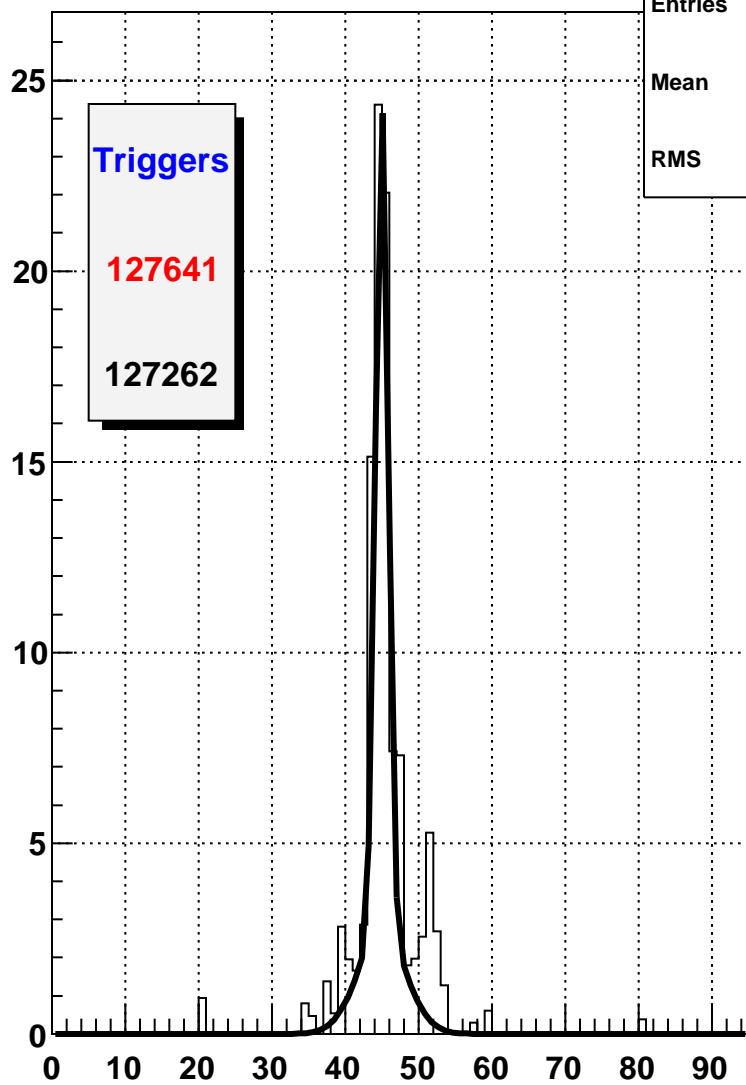




Run=7099046, Event=52172

**hSmdu**

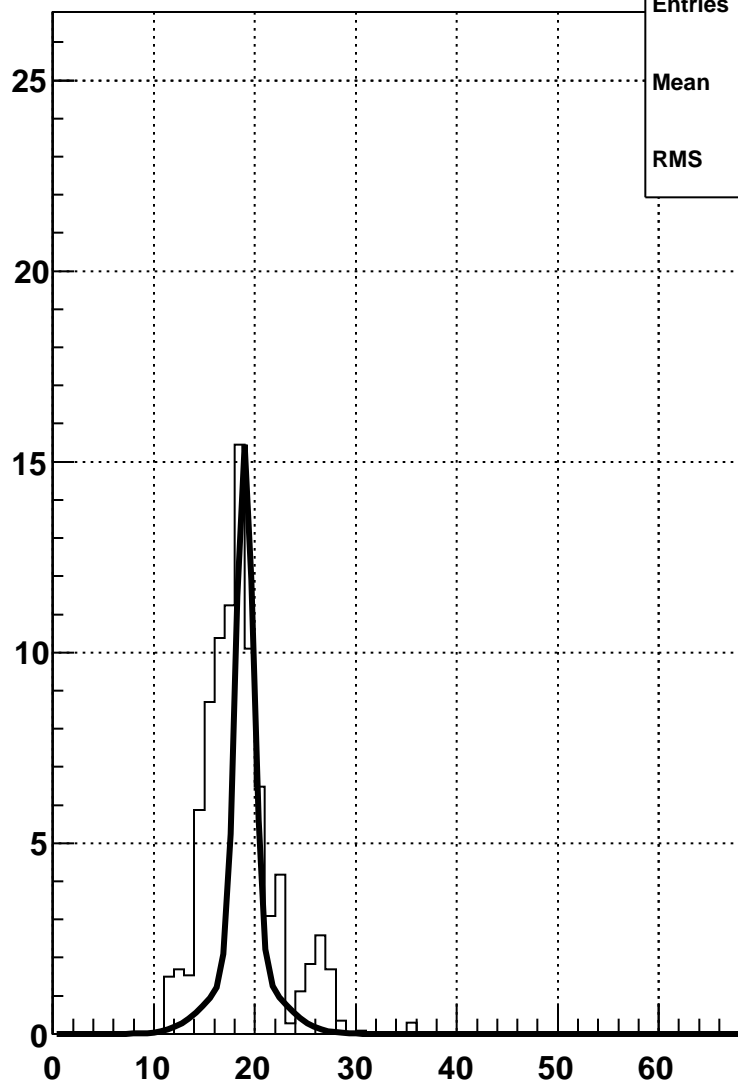
Entries	23
Mean	45.37
RMS	4.651



$p_T=5.8$  GeV,  $E=22.0$  GeV

**hSmdv**

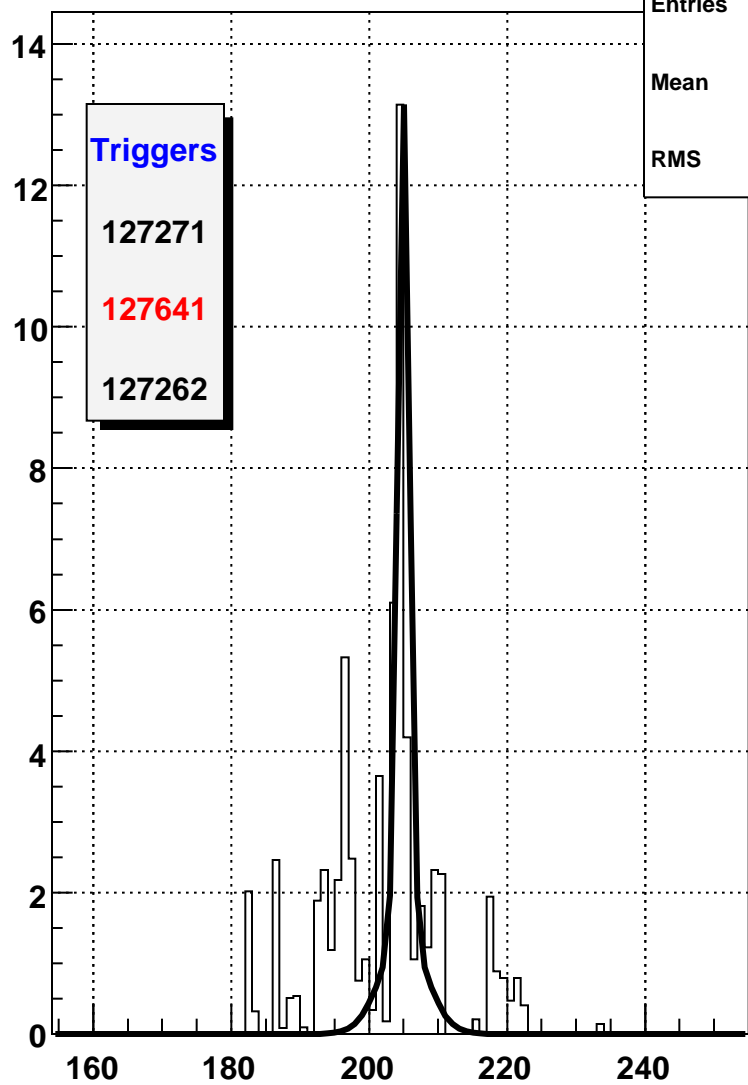
Entries	20
Mean	18.56
RMS	3.527



Run=7099046, Event=52209

**hSmdu**

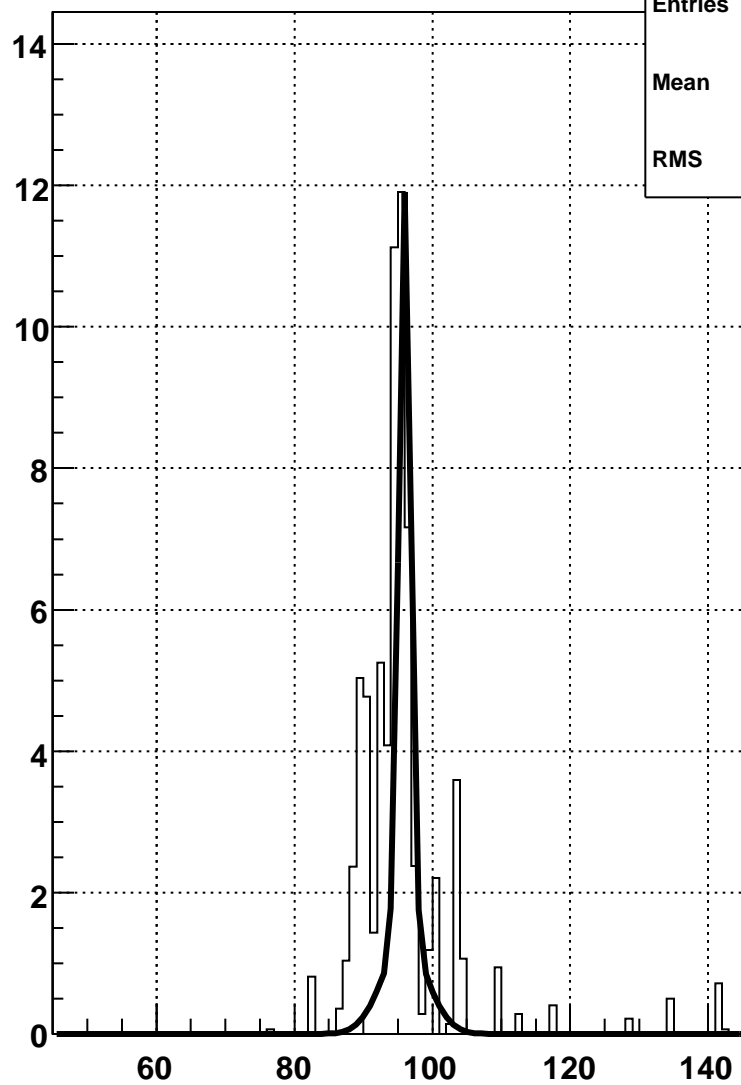
Entries	59
Mean	202.1
RMS	8.514



$p_T=8.8$  GeV,  $E=15.1$  GeV

**hSmdv**

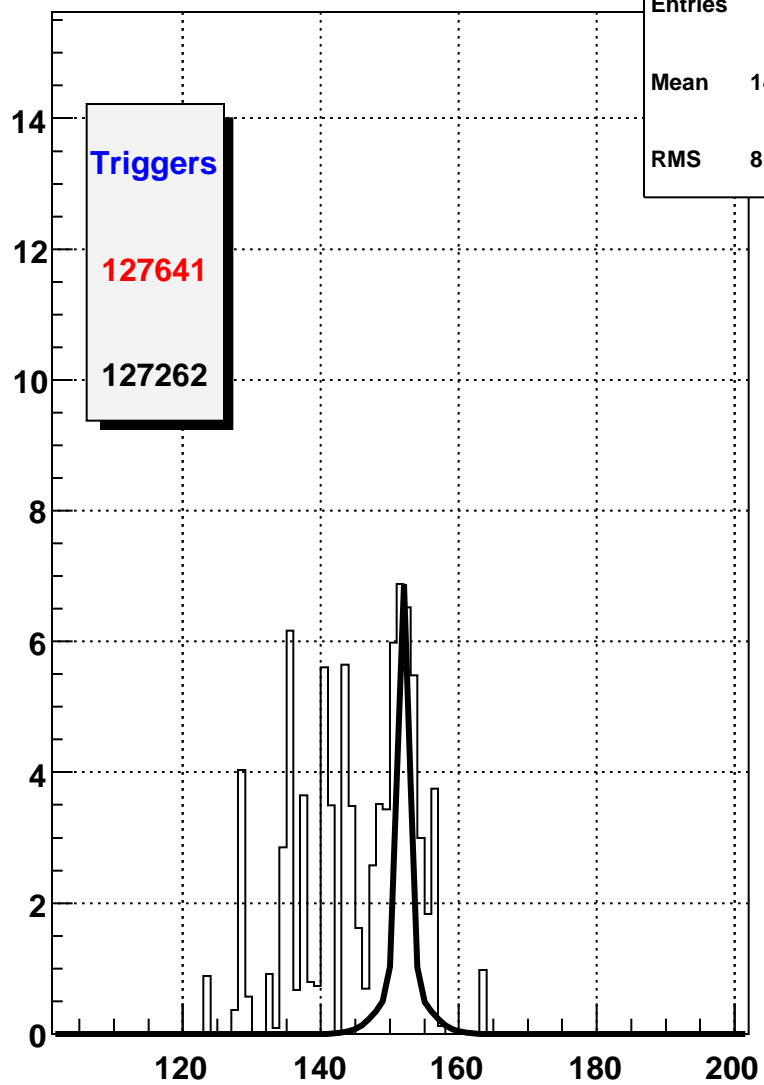
Entries	61
Mean	95.82
RMS	7.859



Run=7099046, Event=53275

**hSmdu**

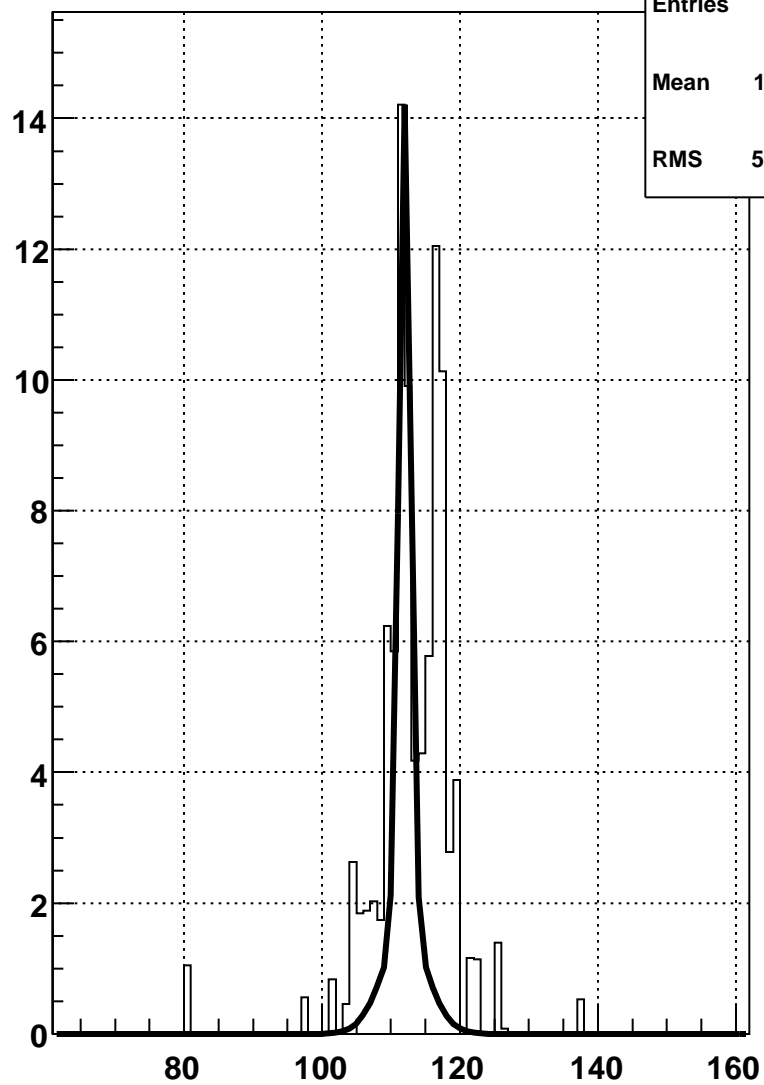
Entries	30
Mean	145.3
RMS	8.293



$p_T=5.0$  GeV,  $E=12.4$  GeV

**hSmdv**

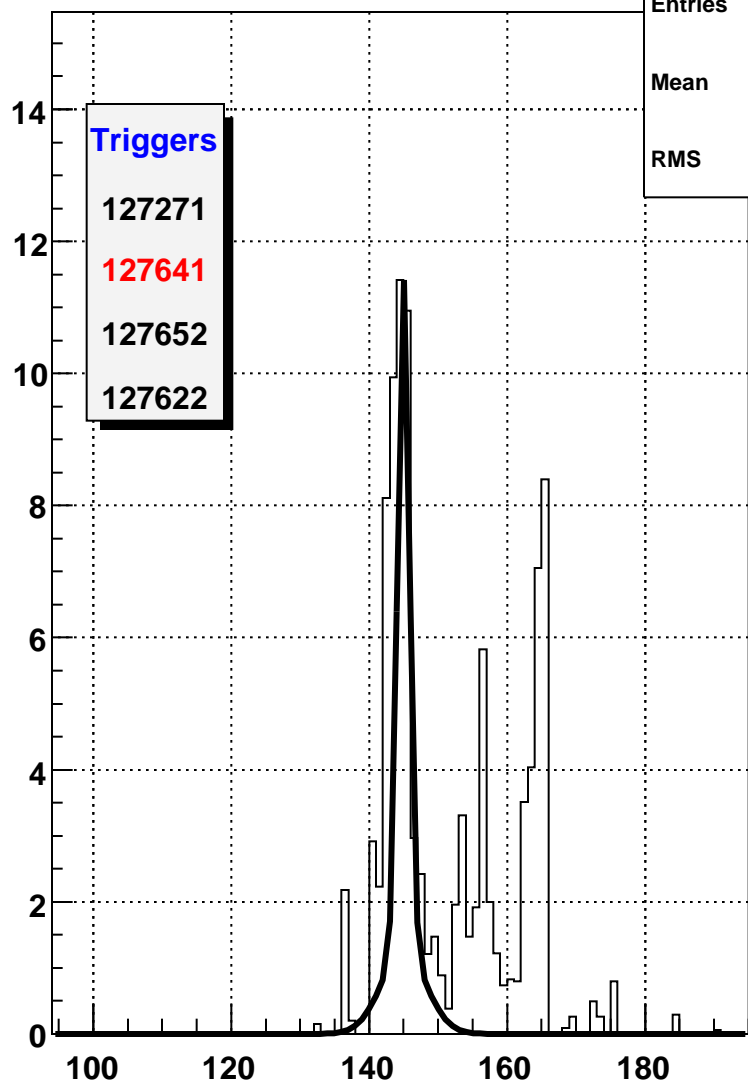
Entries	25
Mean	113.2
RMS	5.919



Run=7099046, Event=53337

**hSmdu**

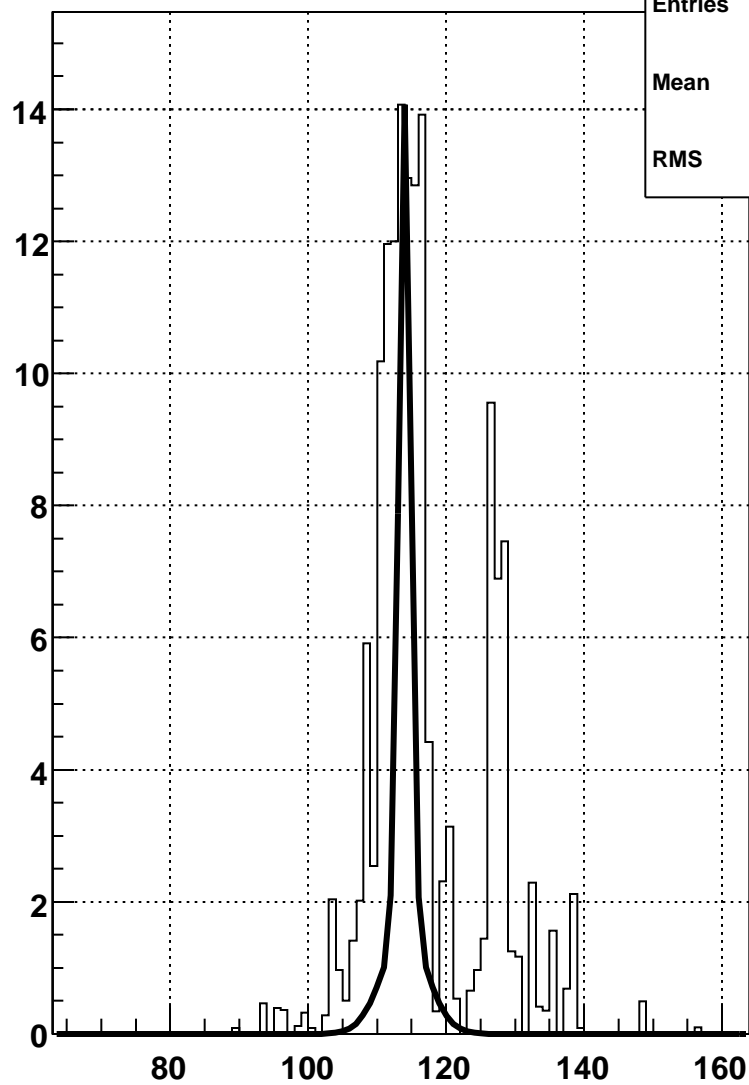
Entries	36
Mean	151.7
RMS	9.481



$p_T=5.7$  GeV,  $E=12.3$  GeV

**hSmdv**

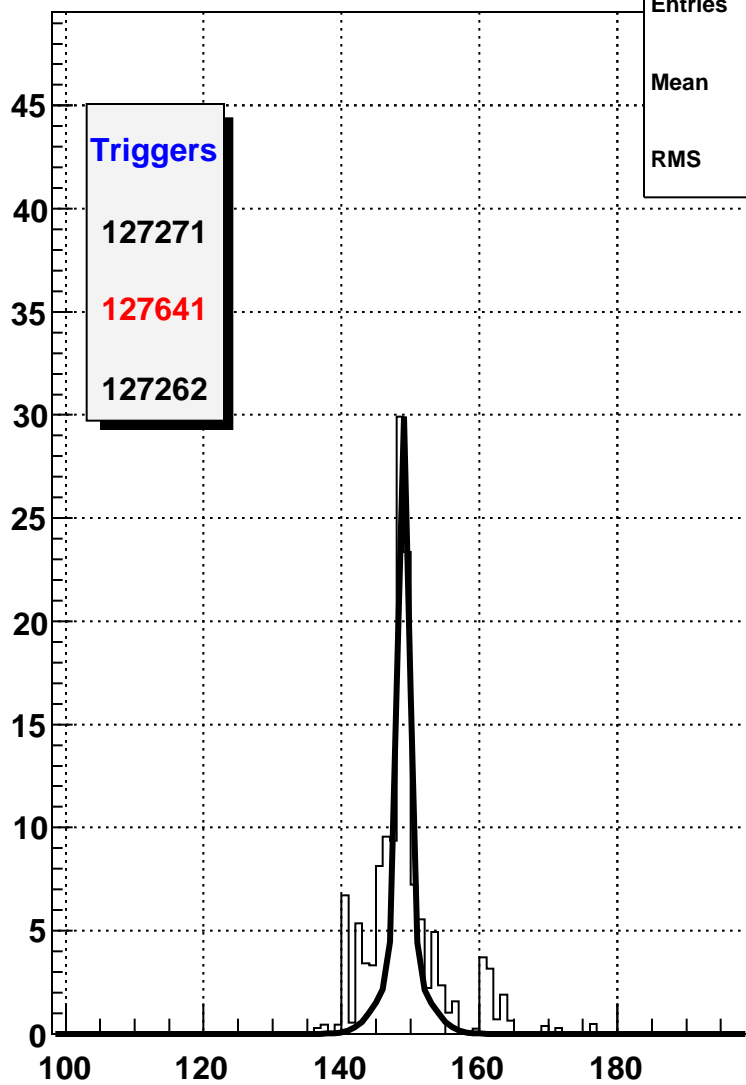
Entries	44
Mean	117
RMS	8.157



Run=7099046, Event=53373

**hSmdu**

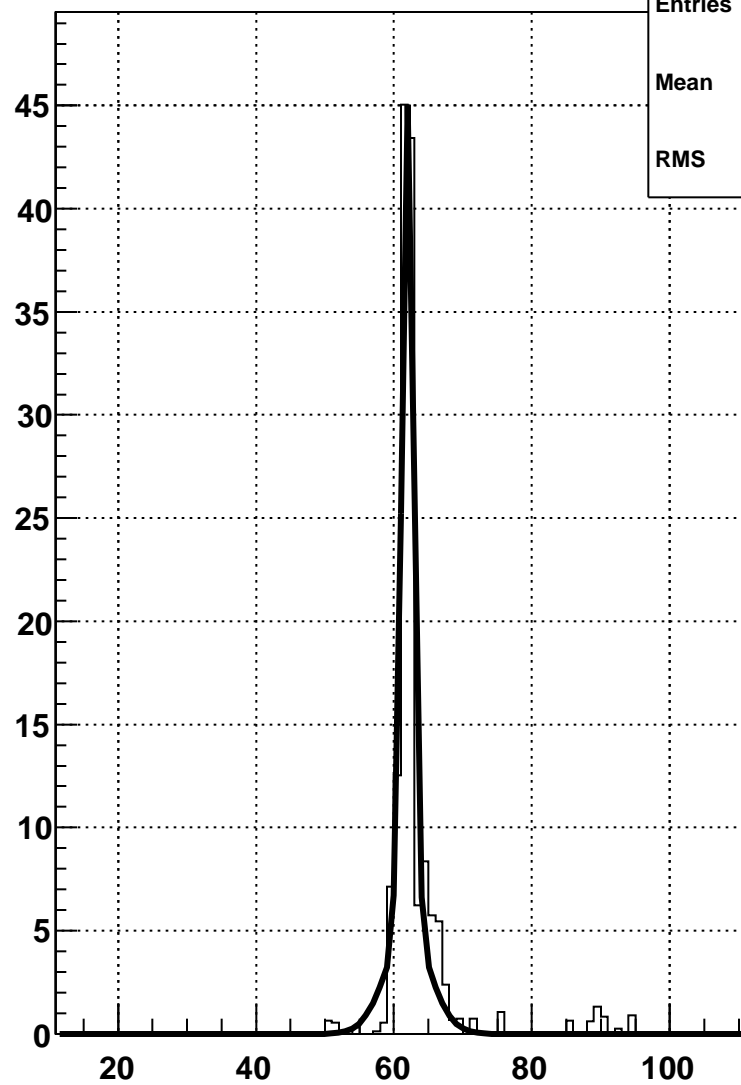
Entries	31
Mean	149.2
RMS	5.388



$p_T=6.9$  GeV,  $E=17.8$  GeV

**hSmdv**

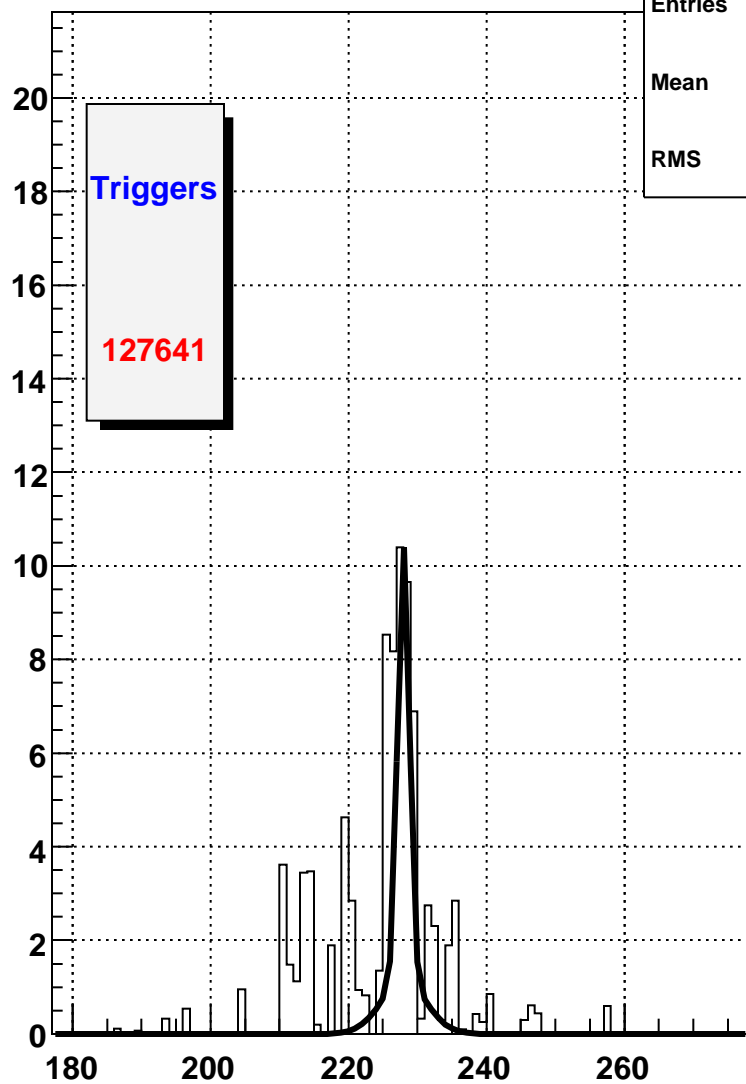
Entries	24
Mean	63.31
RMS	5.426



Run=7099046, Event=53677

**hSmdu**

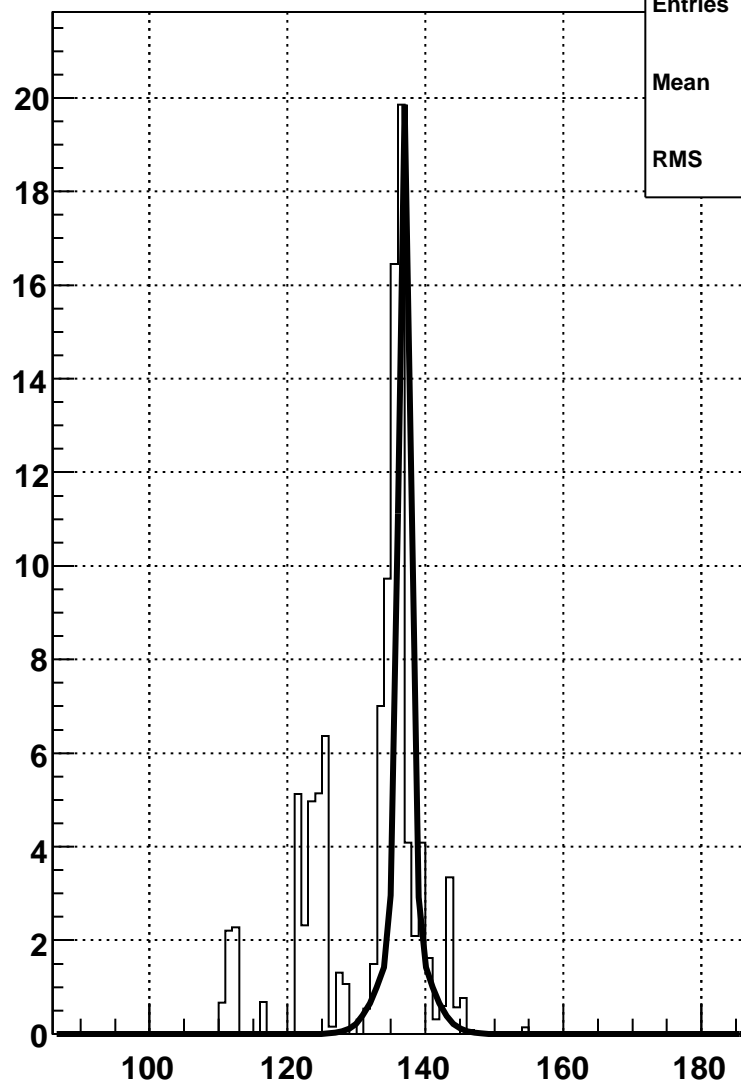
Entries	36
Mean	224.9
RMS	8.713



$p_T=6.5$  GeV,  $E=10.7$  GeV

**hSmdv**

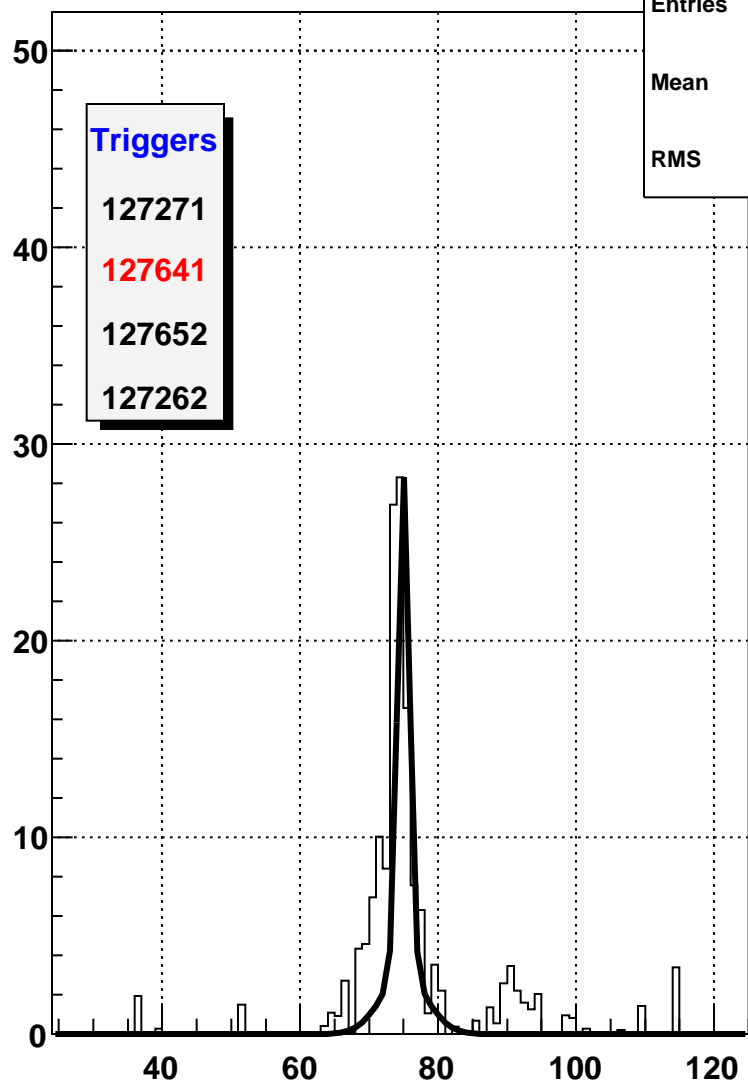
Entries	29
Mean	132.1
RMS	7.616



Run=7099046, Event=77948

**hSmdu**

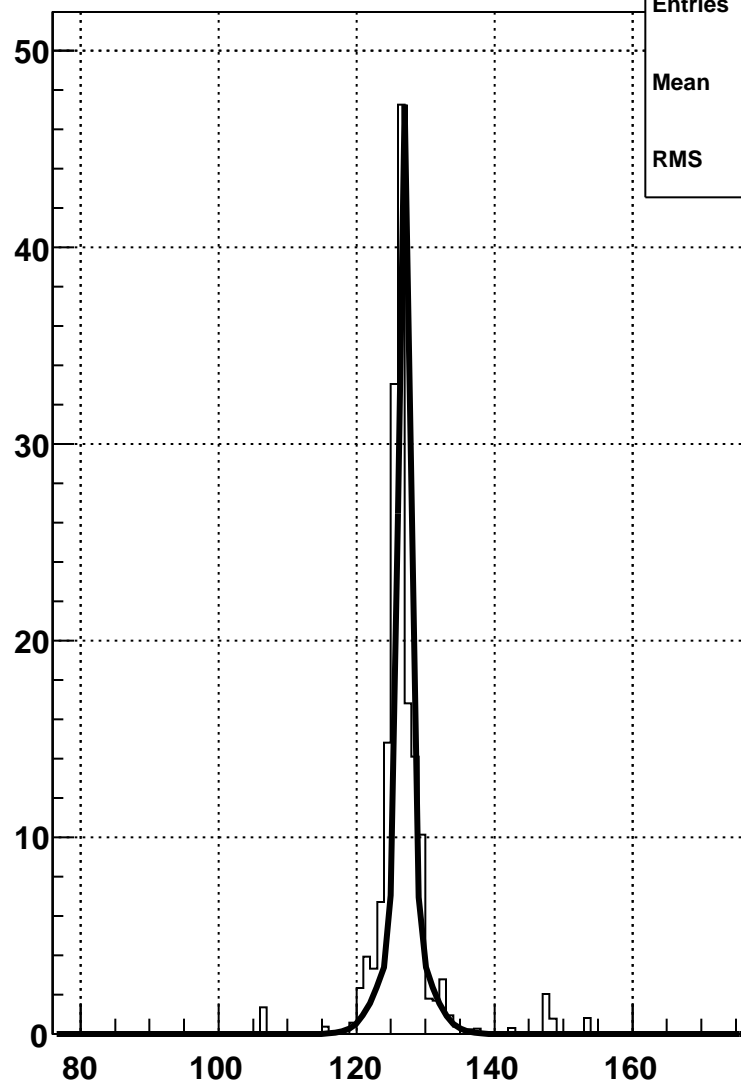
Entries 37  
Mean 76.23  
RMS 10.52



$p_T=7.1$  GeV,  $E=18.1$  GeV

**hSmdv**

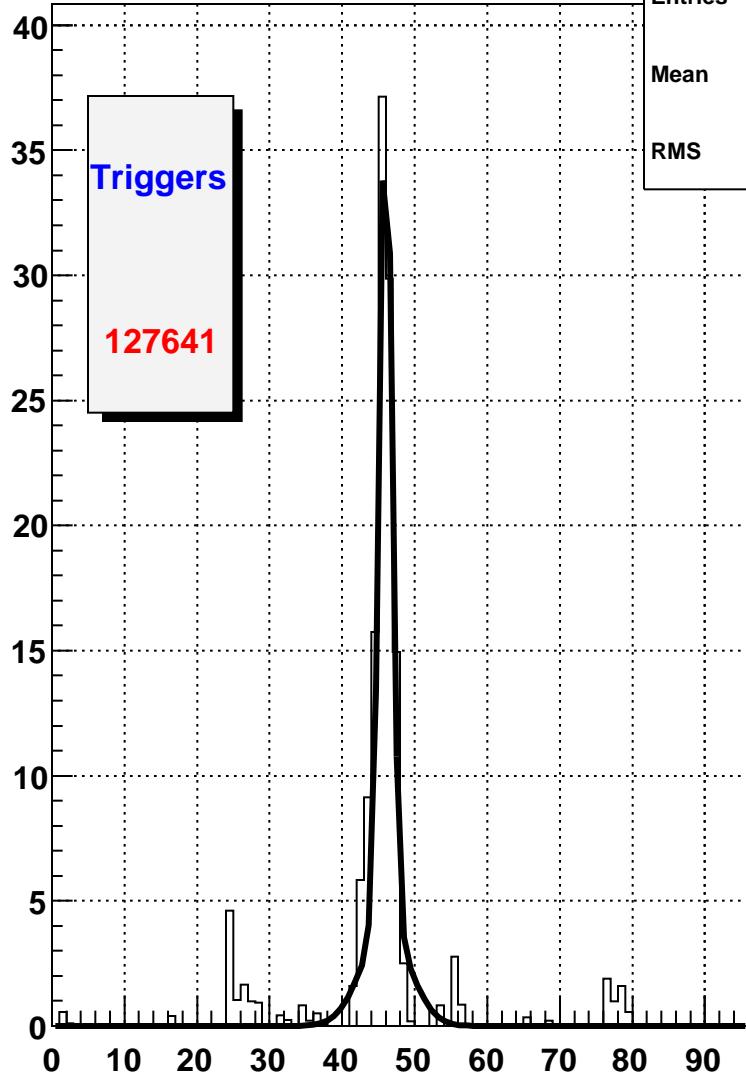
Entries 24  
Mean 126.8  
RMS 4.513



Run=7099046, Event=77976

**hSmdu**

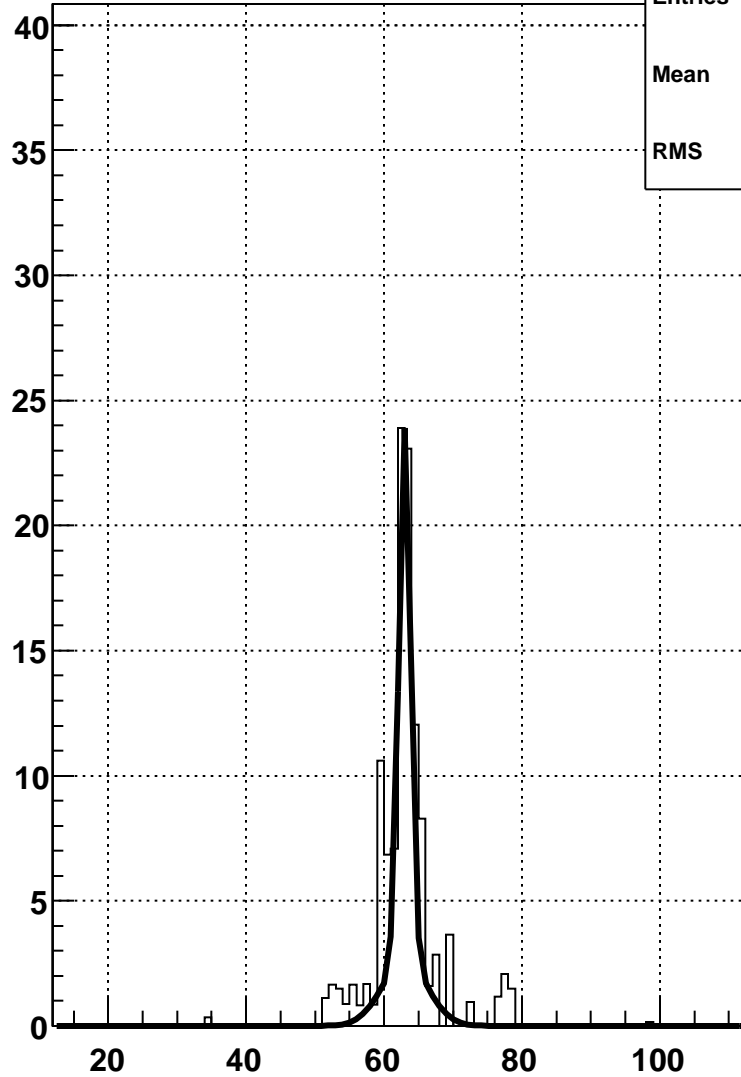
Entries	32
Mean	45.36
RMS	9.145



$p_T=5.6$  GeV,  $E=16.0$  GeV

**hSmdv**

Entries	24
Mean	63.06
RMS	4.904

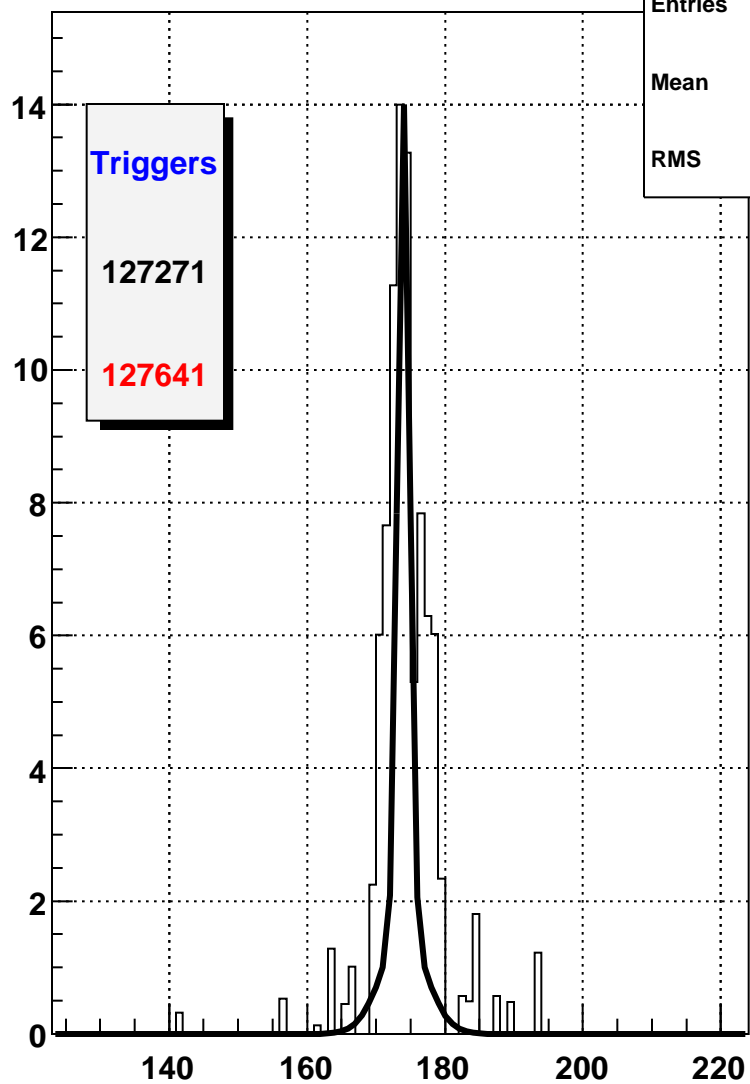




Run=7099046, Event=78014

**hSmdu**

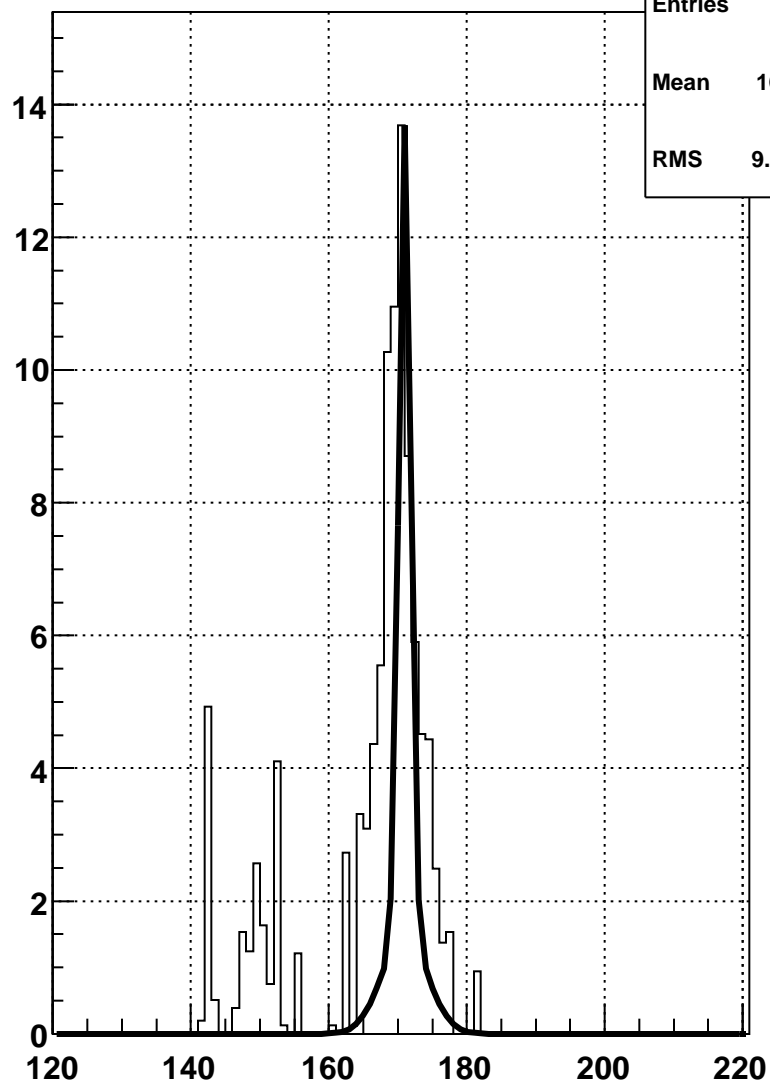
Entries	45
Mean	174.5
RMS	4.943



$p_T=5.6$  GeV,  $E=14.5$  GeV

**hSmdv**

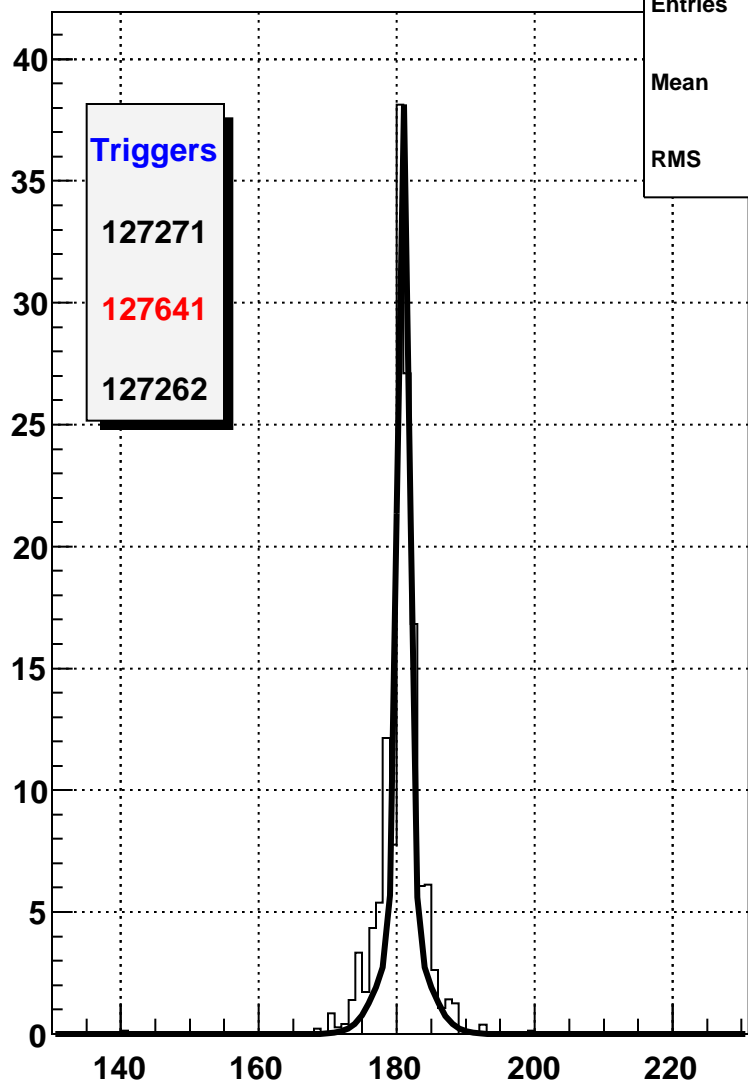
Entries	39
Mean	166.1
RMS	9.198



Run=7099046, Event=78370

**hSmdu**

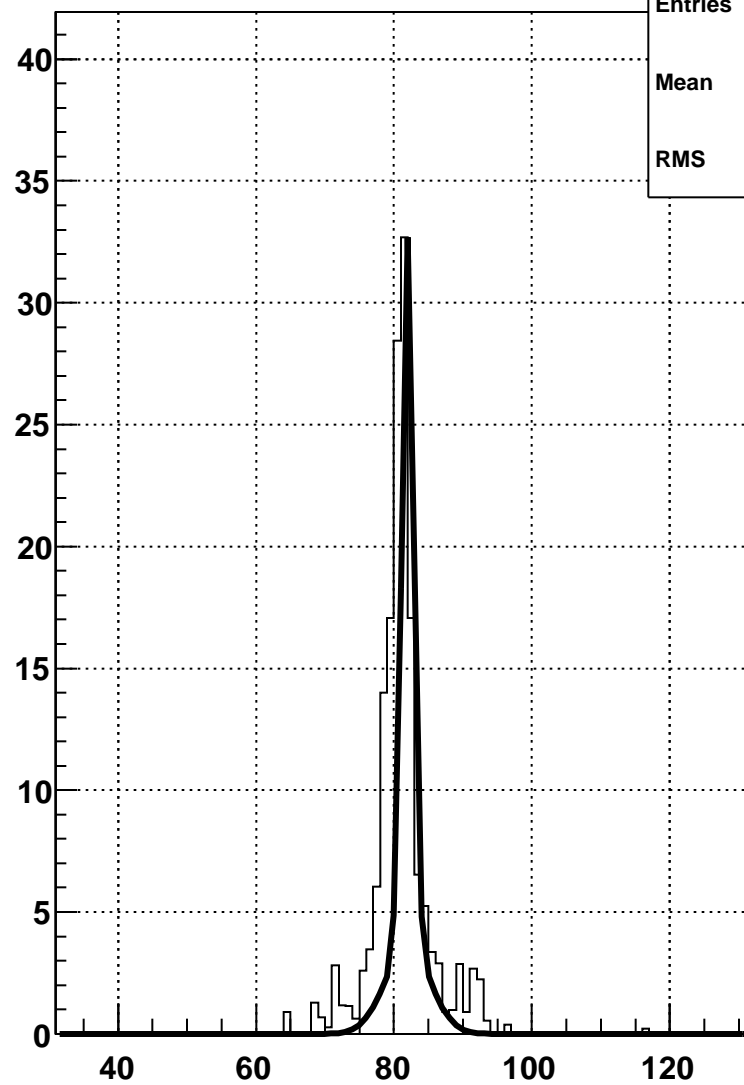
Entries	26
Mean	180.7
RMS	3.144



$p_T=5.6$  GeV,  $E=17.9$  GeV

**hSmdv**

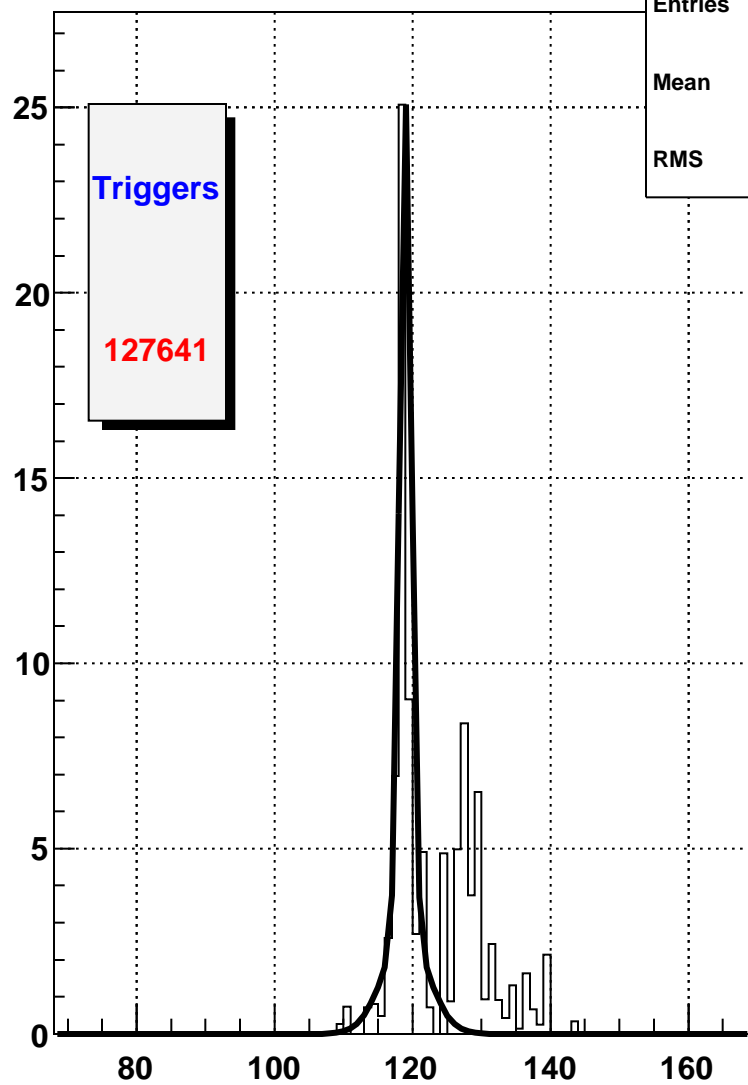
Entries	33
Mean	81.07
RMS	4.38



Run=7099046, Event=80404

**hSmdu**

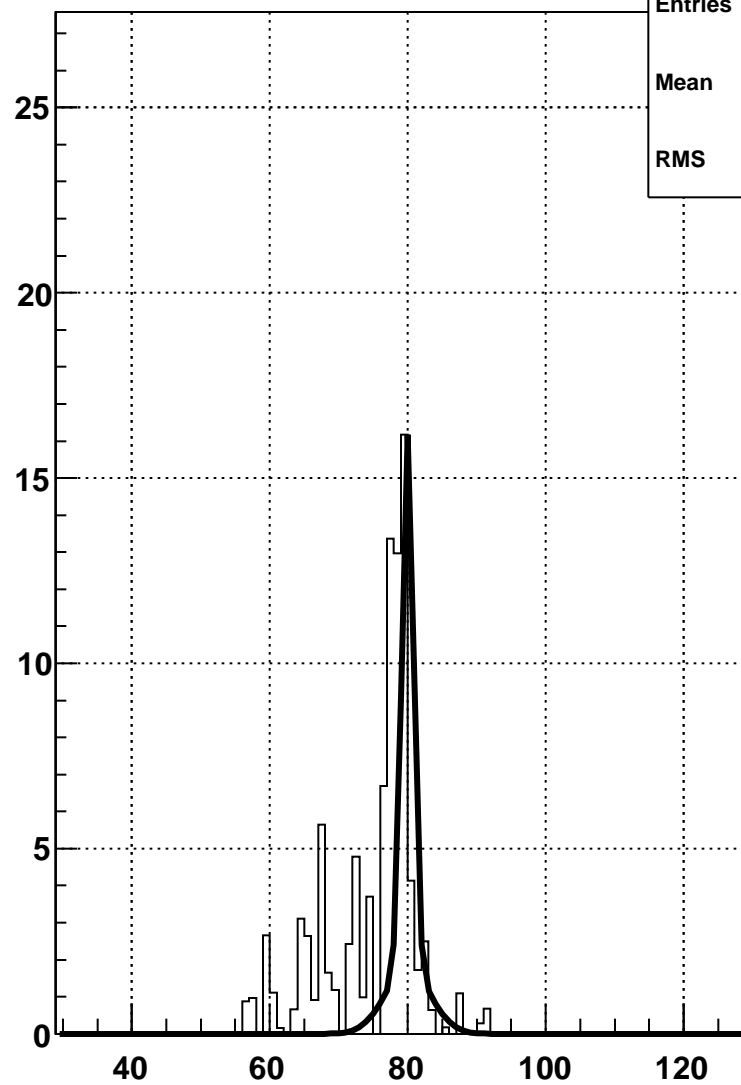
Entries	29
Mean	123.2
RMS	6.21



$p_T=5.3$  GeV,  $E=13.0$  GeV

**hSmdv**

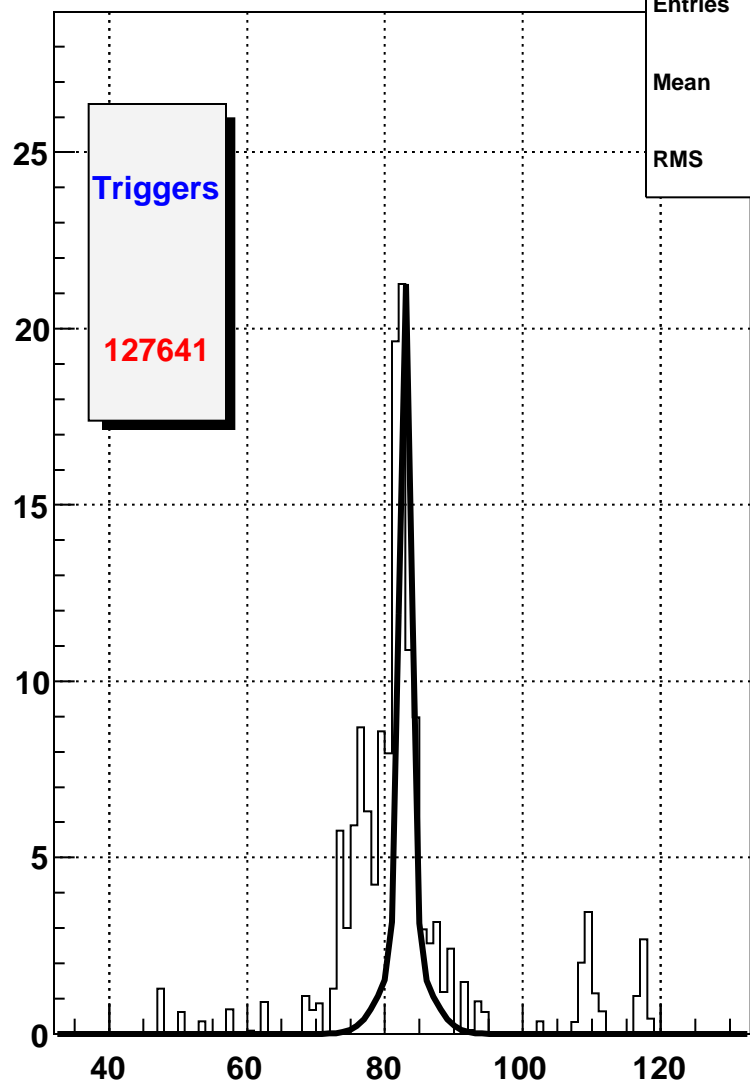
Entries	28
Mean	75.02
RMS	6.634



Run=7099046, Event=72176

**hSmdu**

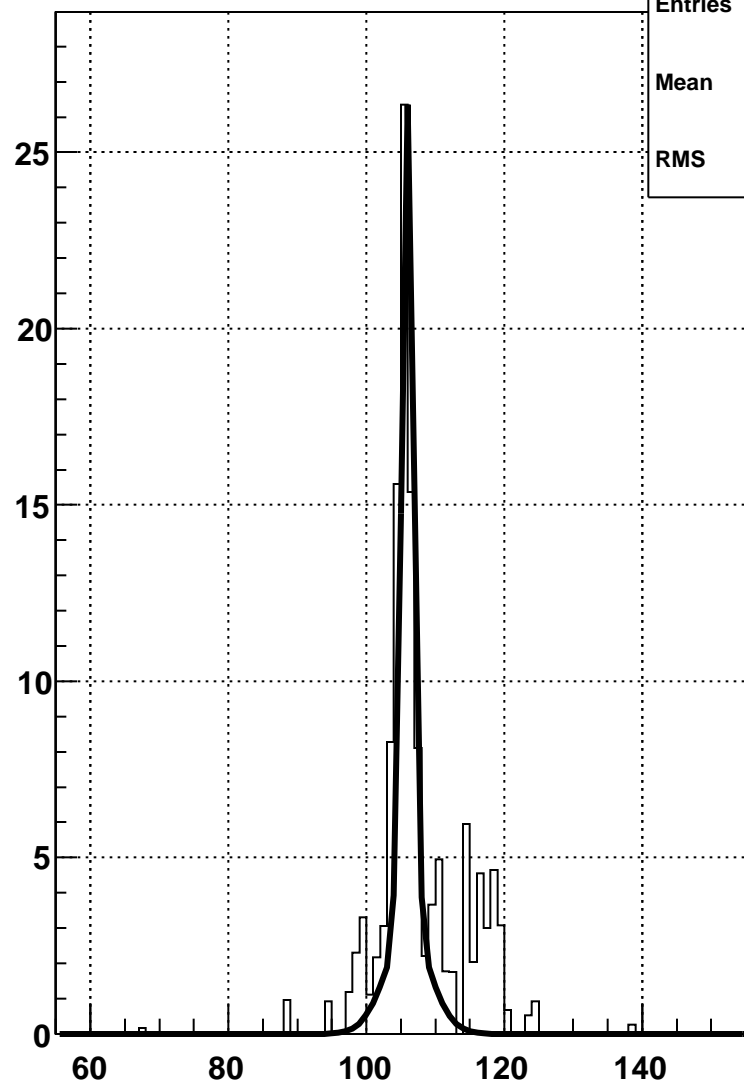
Entries	40
Mean	82.77
RMS	10.76



$p_T=5.3$  GeV,  $E=14.6$  GeV

**hSmdv**

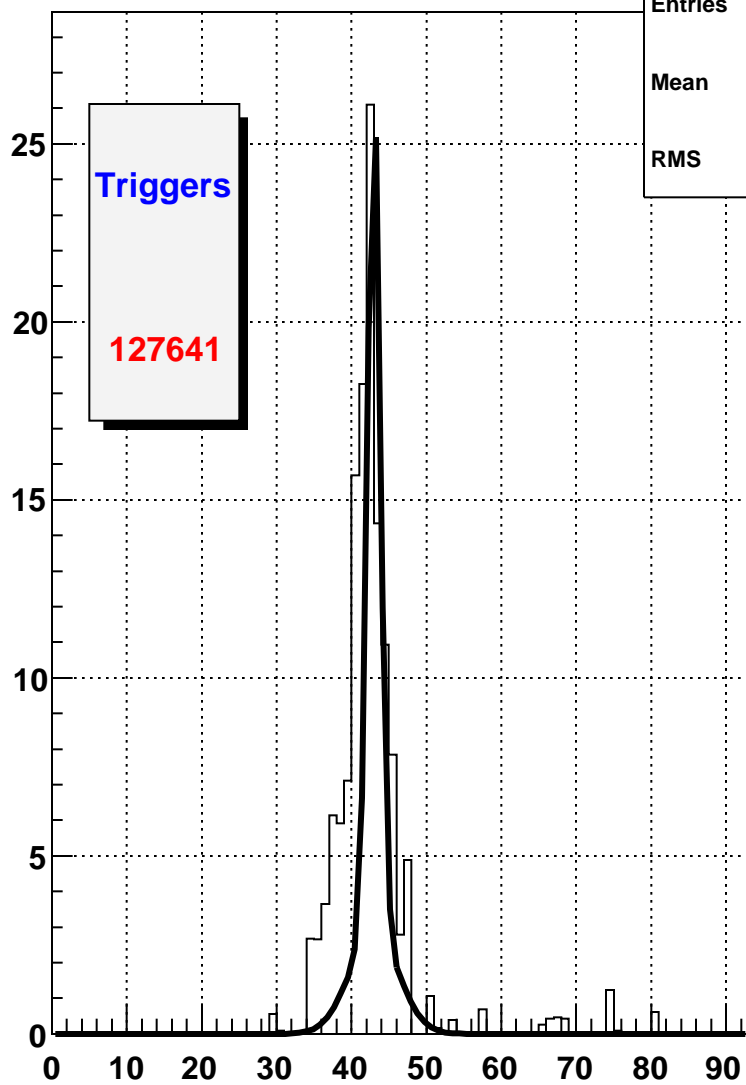
Entries	29
Mean	107.6
RMS	6.152



Run=7099046, Event=72576

**hSmdu**

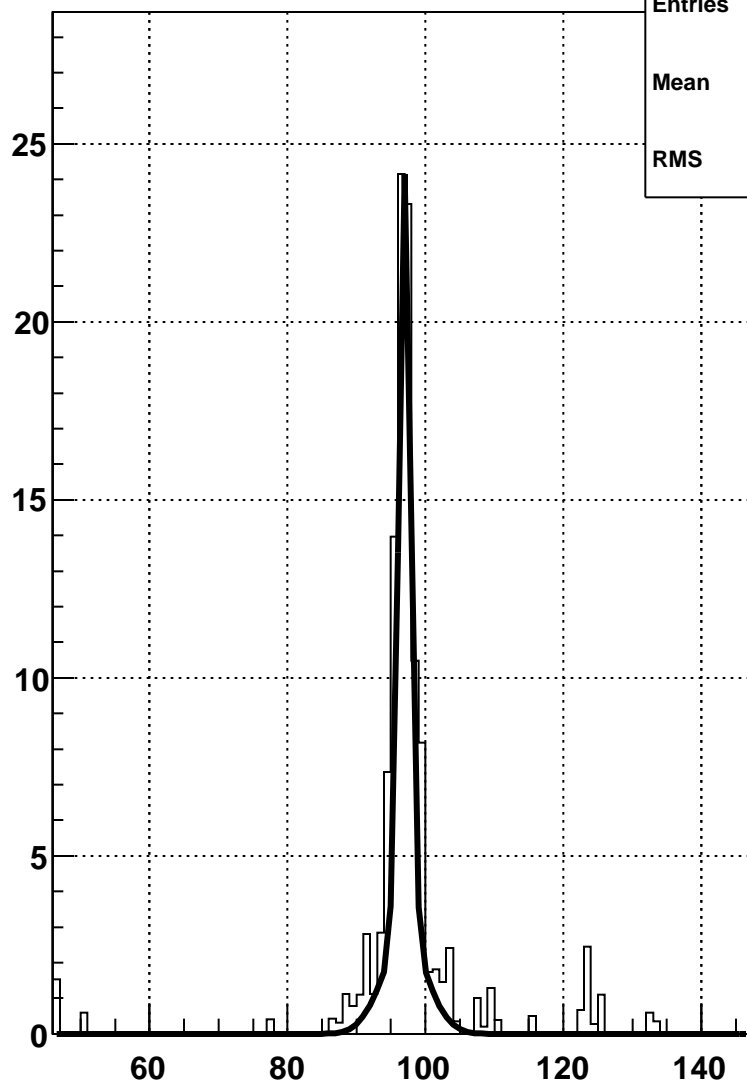
Entries	43
Mean	42.72
RMS	5.902



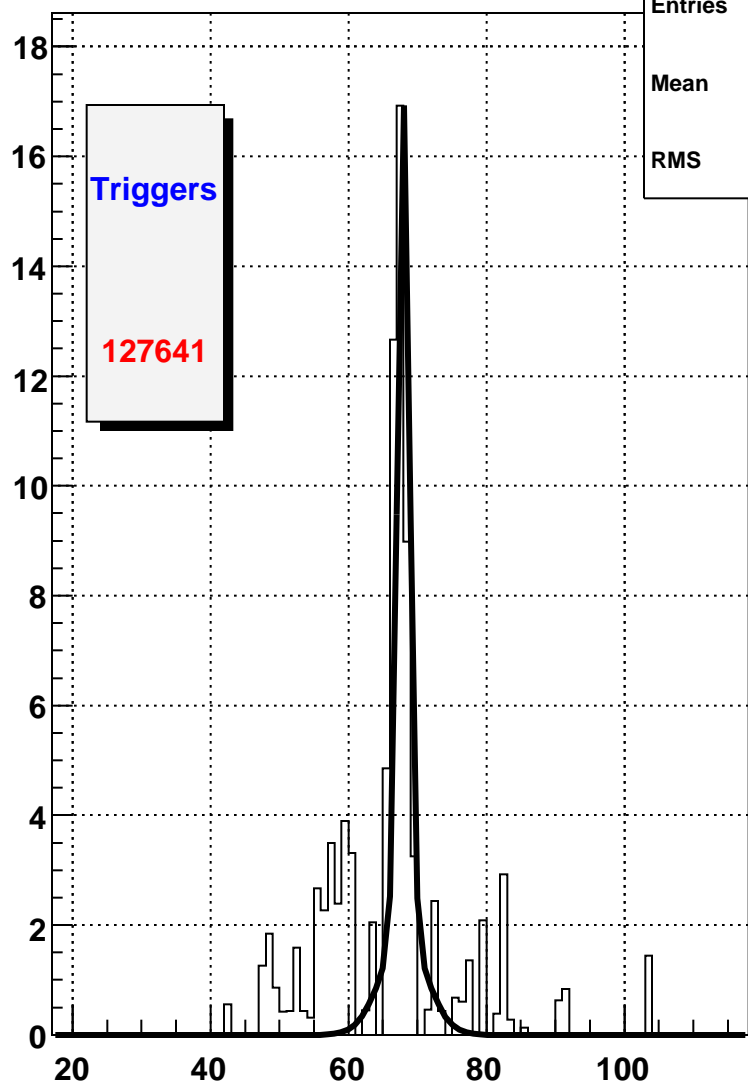
$p_T=5.1$  GeV,  $E=19.6$  GeV

**hSmdv**

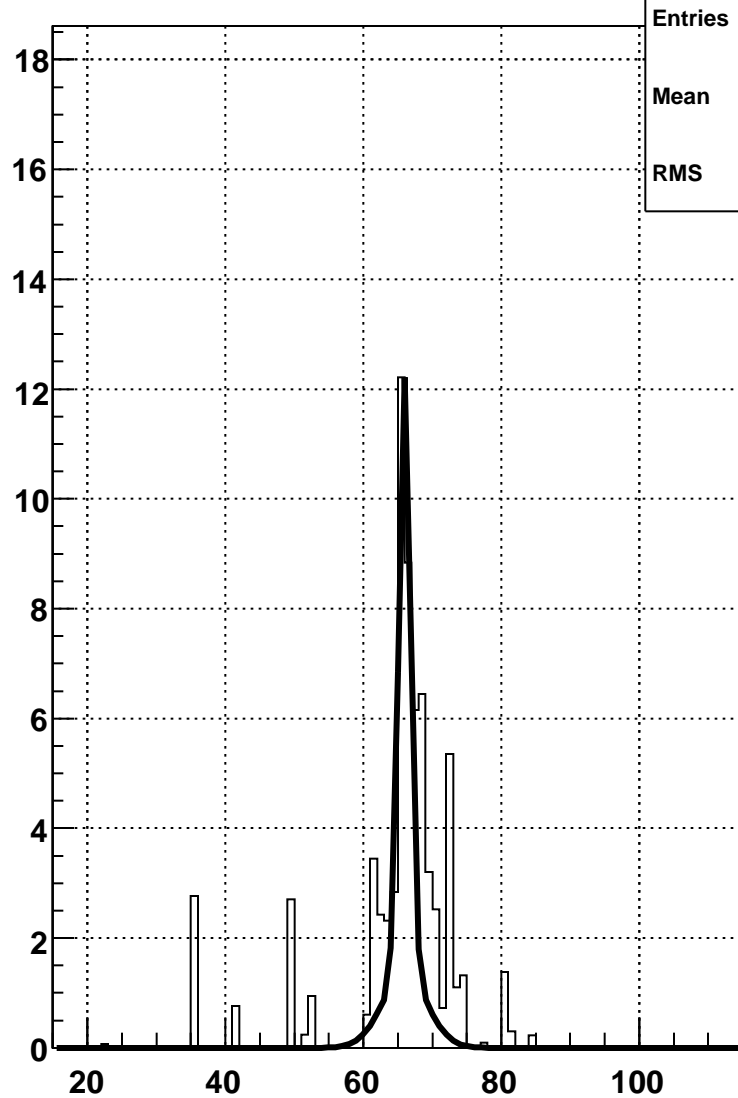
Entries	43
Mean	97.52
RMS	9.774



Run=7099046, Event=73102



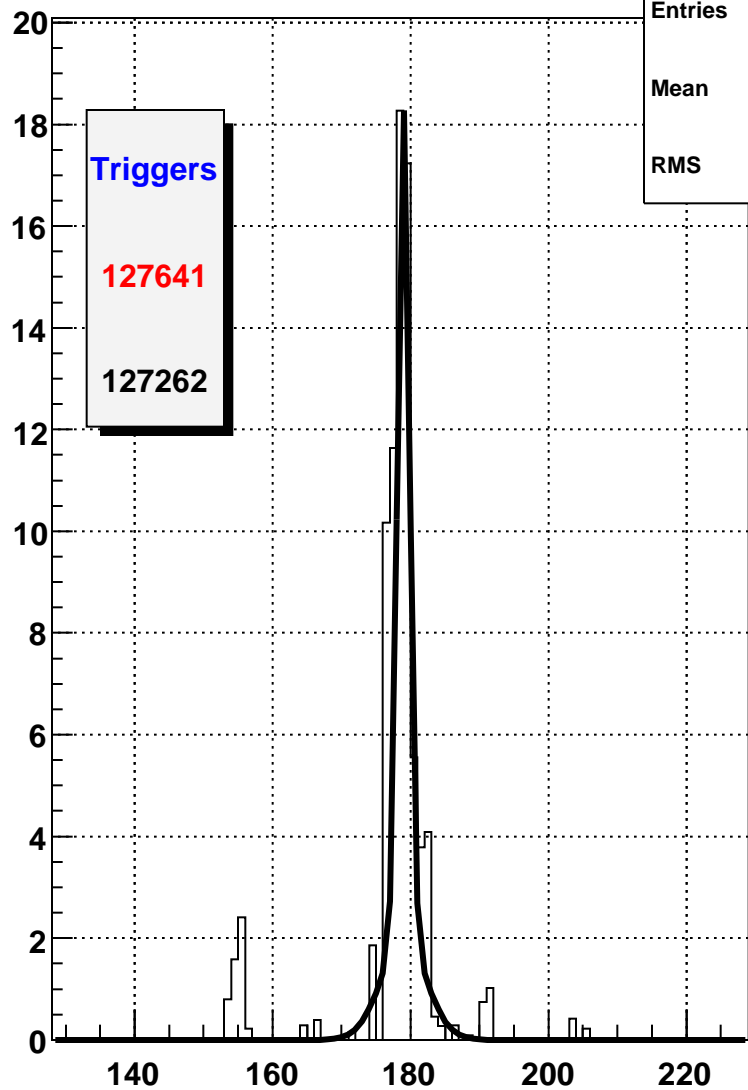
$p_T=5.9$  GeV,  $E=16.5$  GeV



Run=7099046, Event=73244

**hSmdu**

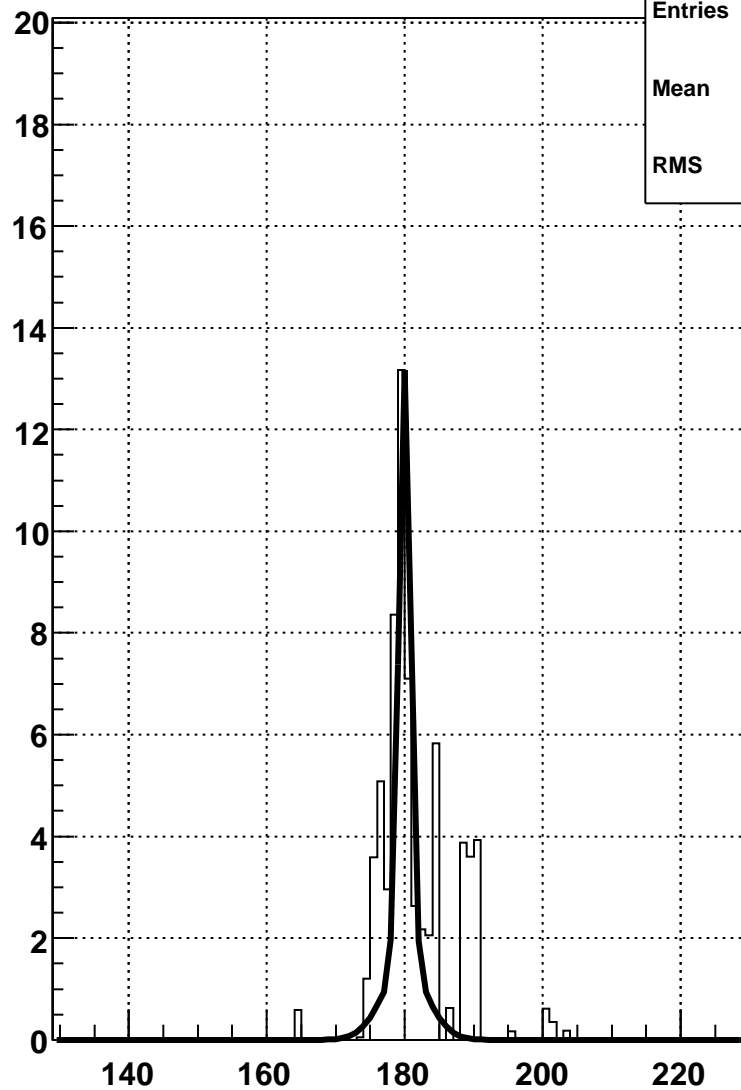
Entries	23
Mean	177.7
RMS	6.833



$p_T=5.3$  GeV,  $E=9.6$  GeV

**hSmdv**

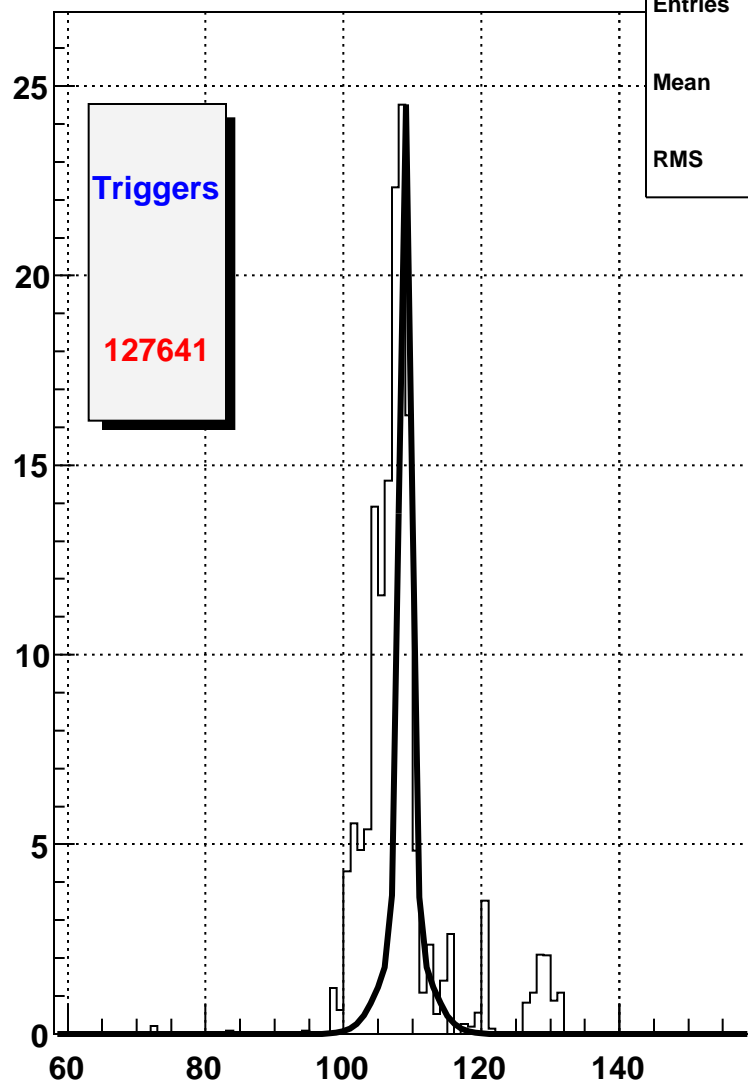
Entries	21
Mean	181.6
RMS	5.38



Run=7099046, Event=73897

**hSmdu**

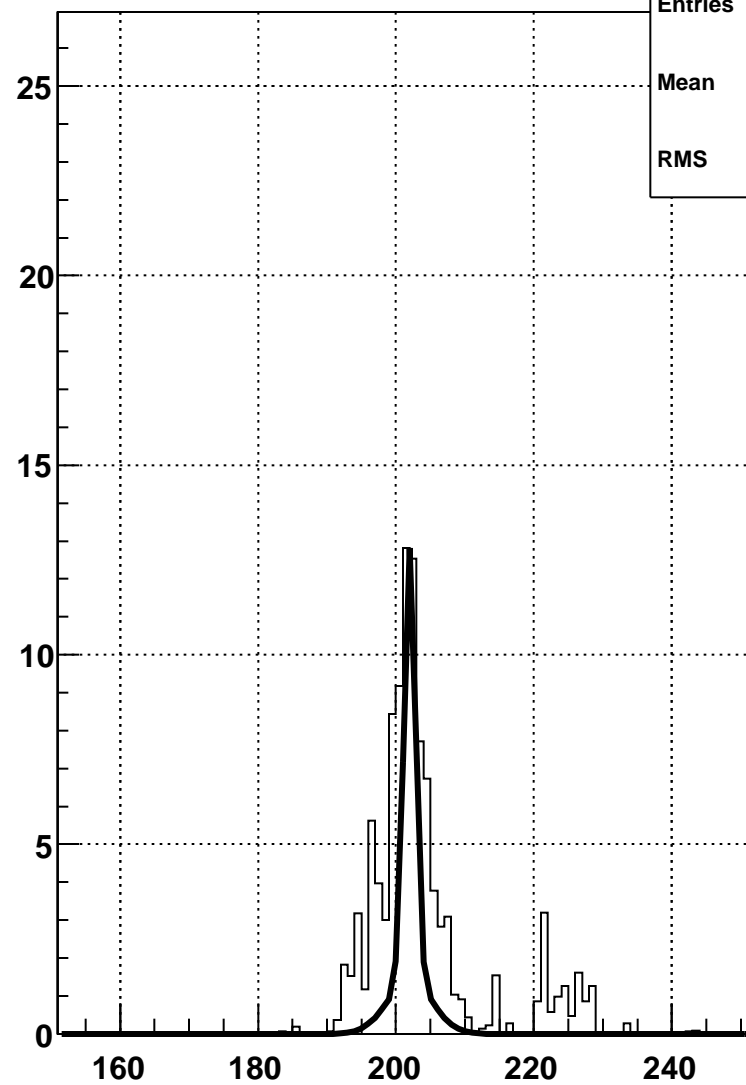
Entries	32
Mean	108.4
RMS	6.358



$p_T=7.2$  GeV,  $E=13.5$  GeV

**hSmdv**

Entries	40
Mean	204.1
RMS	8.632

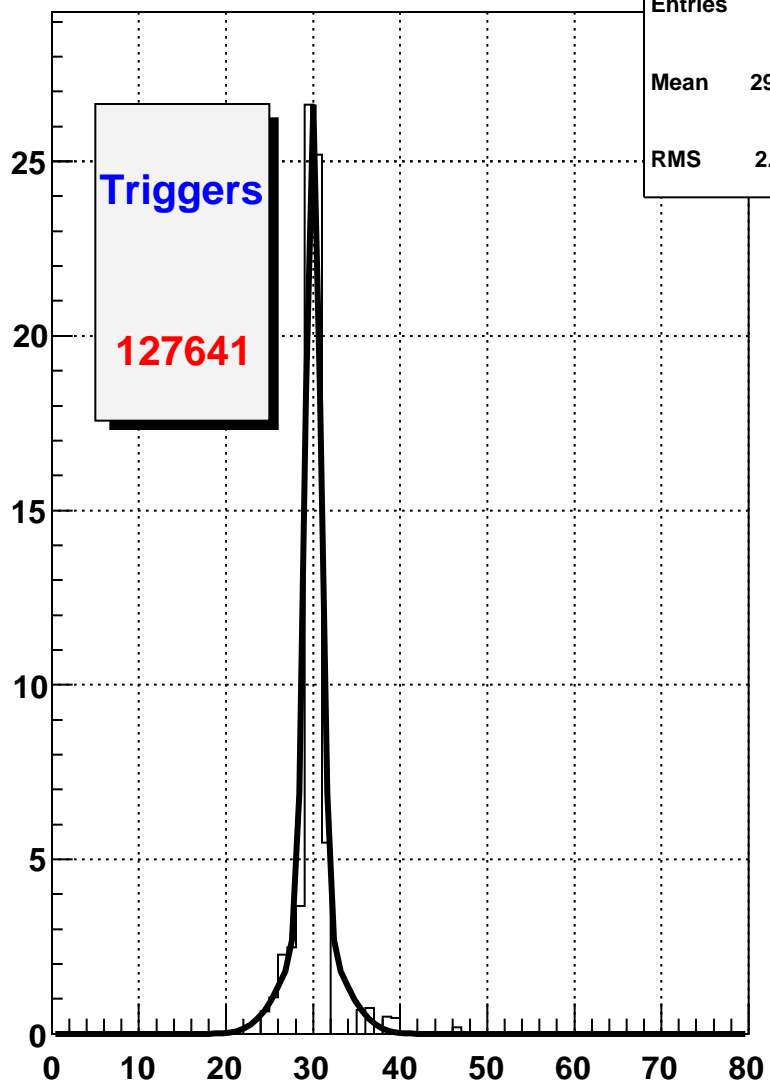




Run=7099046, Event=74370

**hSmdu**

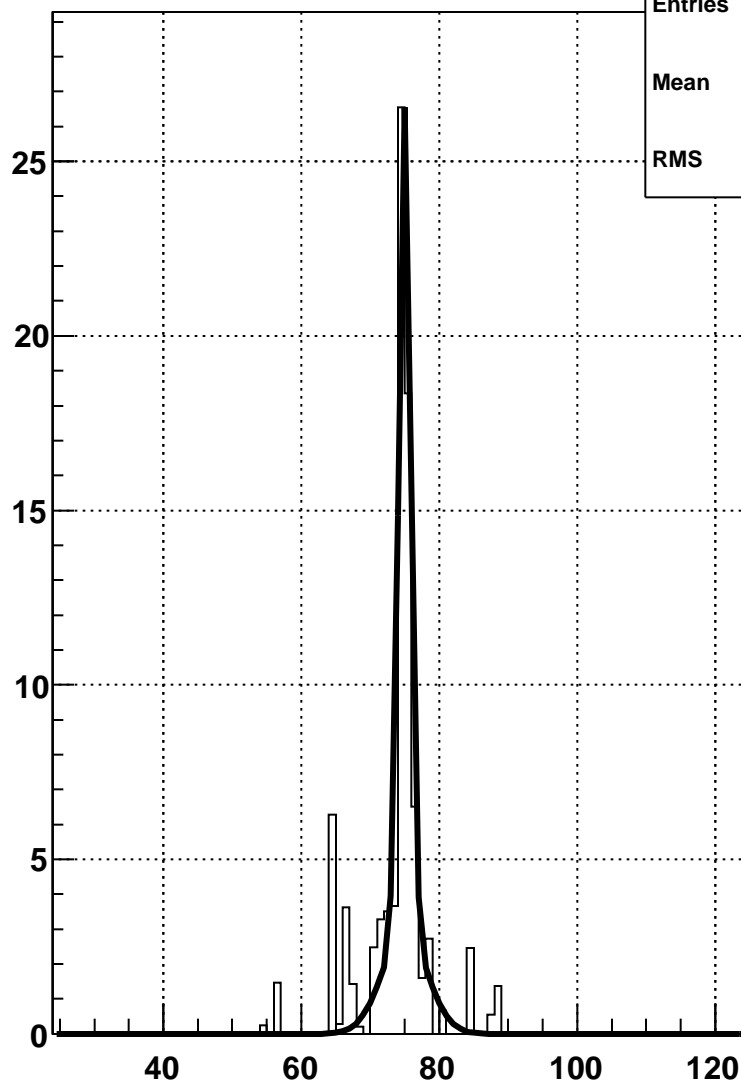
Entries	13
Mean	29.99
RMS	2.051



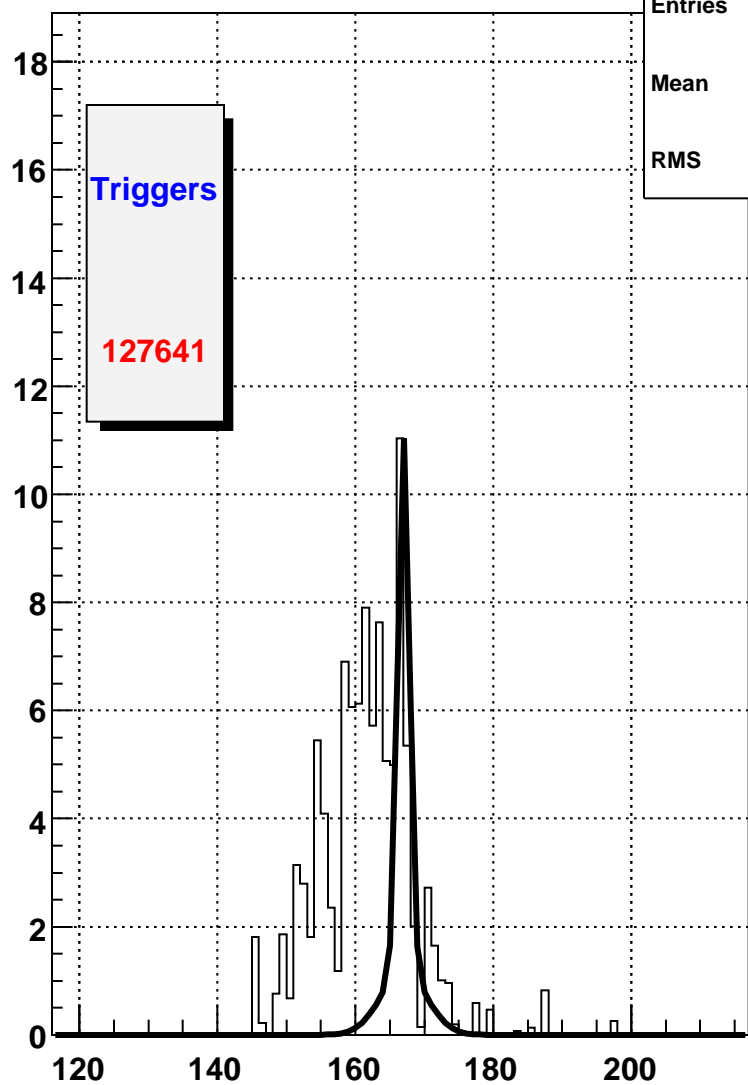
$p_T=6.1$  GeV,  $E=16.7$  GeV

**hSmdv**

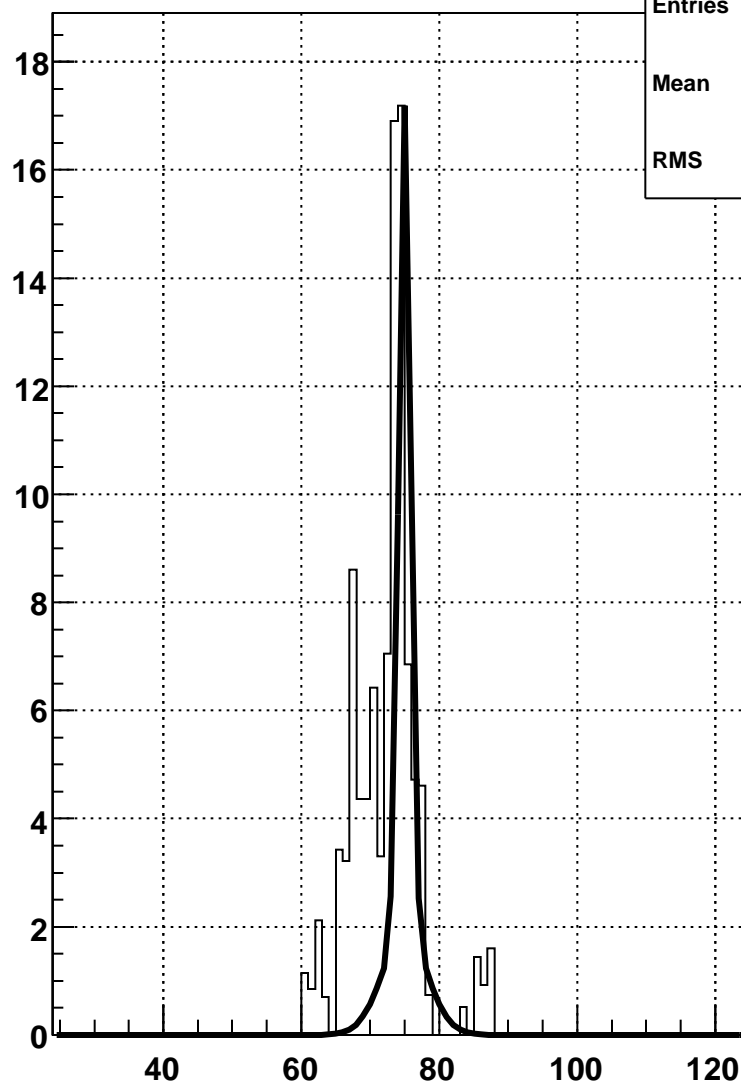
Entries	20
Mean	73.75
RMS	5.143



Run=7099046, Event=75284



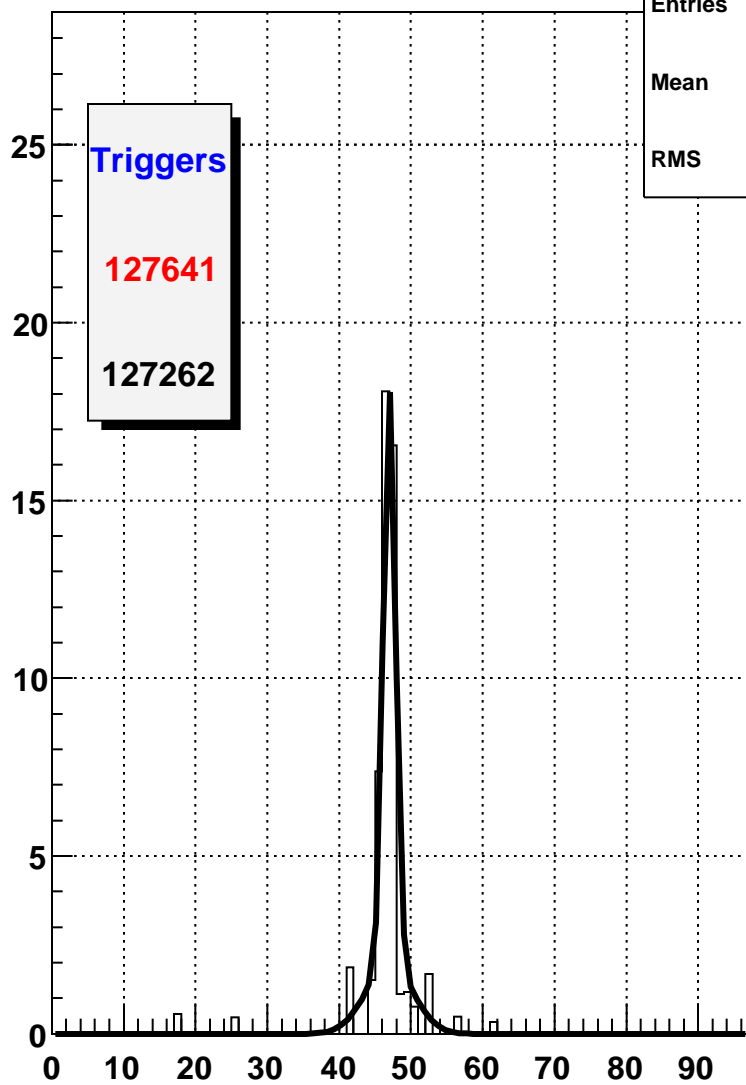
$p_T=5.6$  GeV,  $E=12.4$  GeV



Run=7099046, Event=75347

**hSmdu**

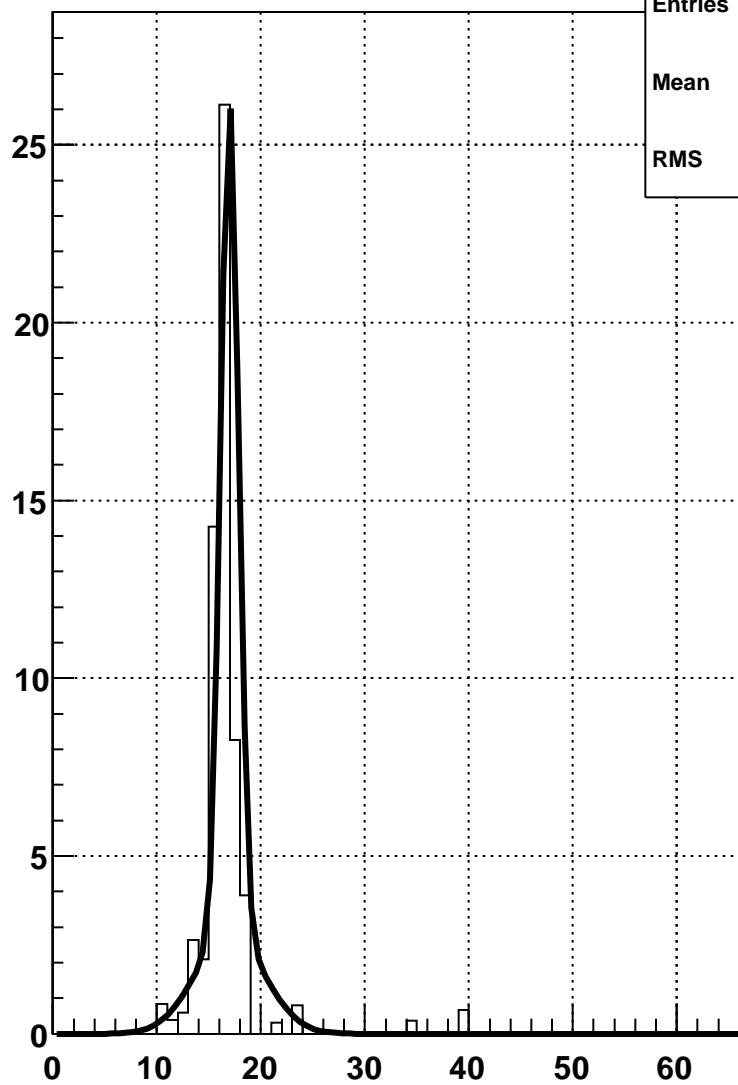
Entries	13
Mean	46.49
RMS	4.295



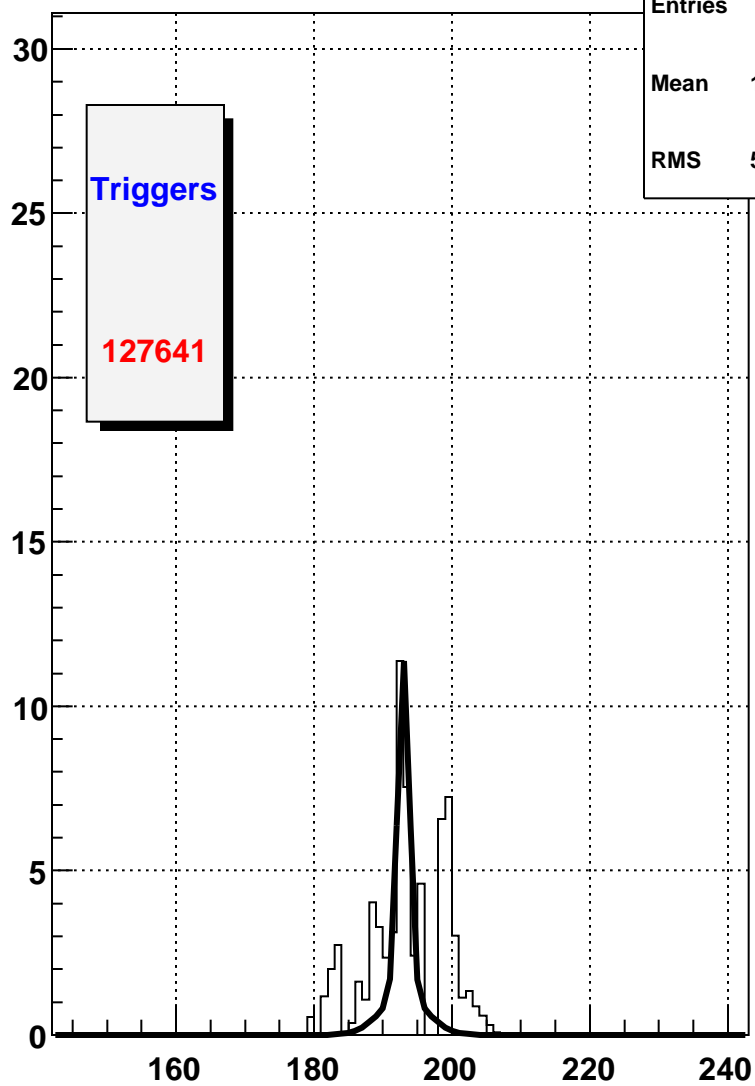
$p_T=5.6$  GeV,  $E=20.2$  GeV

**hSmdv**

Entries	13
Mean	16.66
RMS	3.233



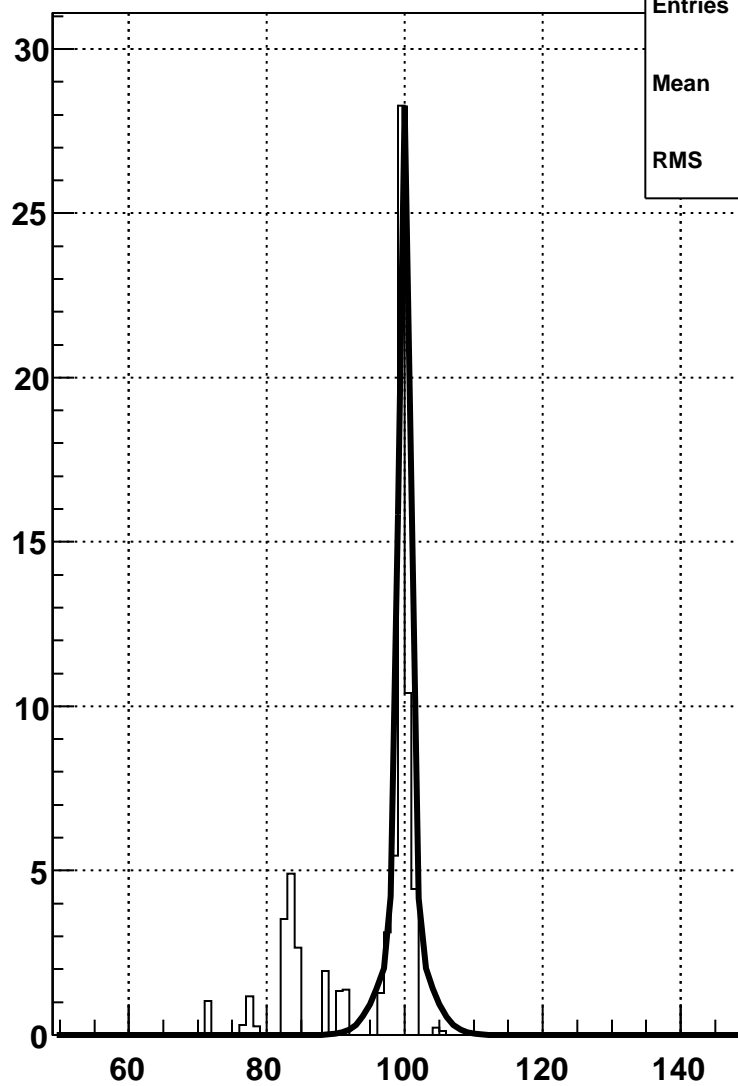
Run=7099046, Event=75815



**hSmdu**

Entries	43
Mean	193.5
RMS	5.532

$p_T=5.2$  GeV,  $E=13.1$  GeV



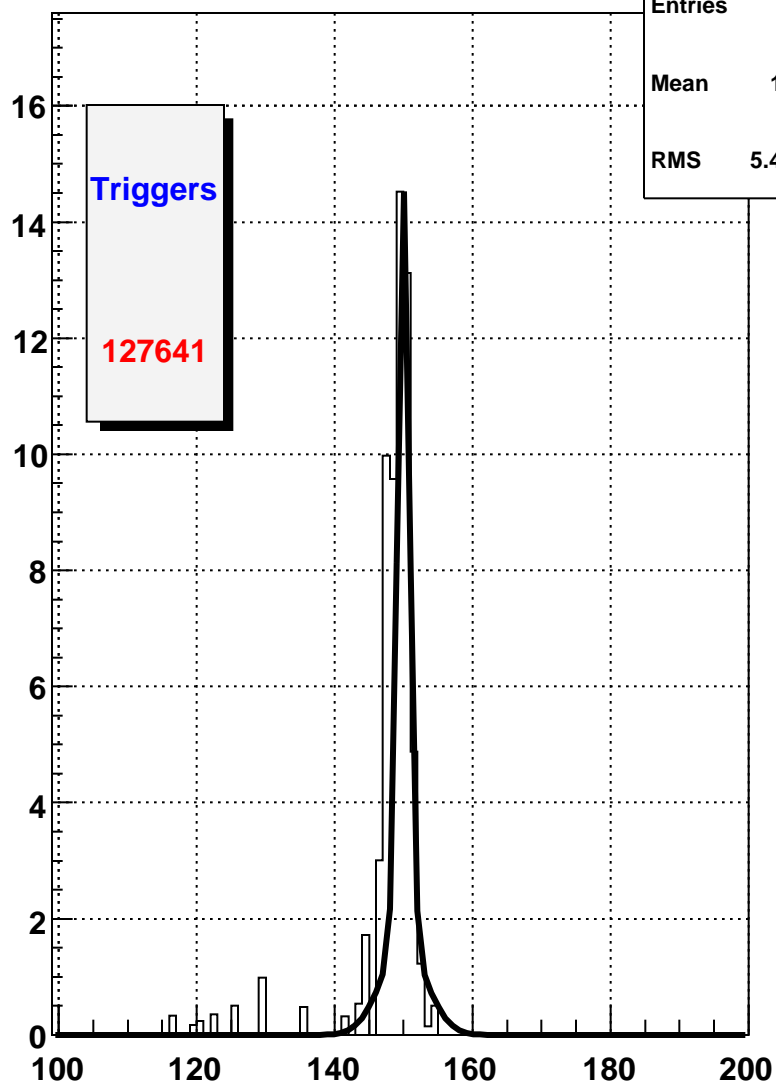
**hSmdv**

Entries	38
Mean	95.5
RMS	7.479

Run=7099046, Event=81177

**hSmdu**

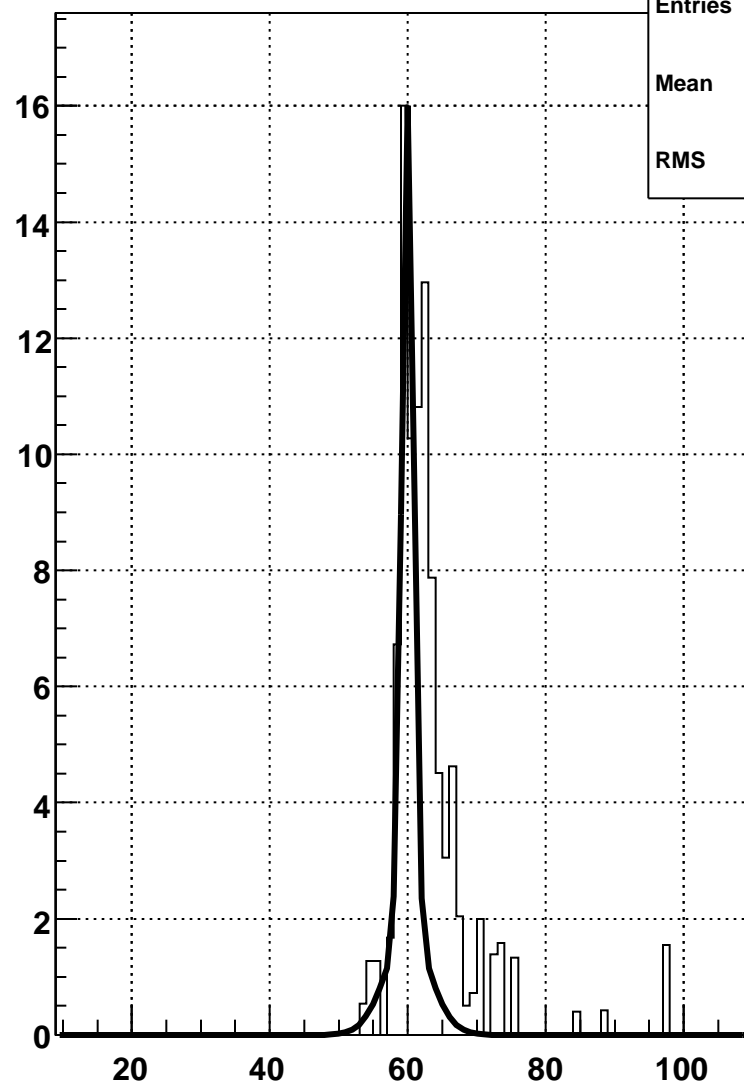
Entries	26
Mean	148
RMS	5.404



$p_T=6.0$  GeV,  $E=12.8$  GeV

**hSmdv**

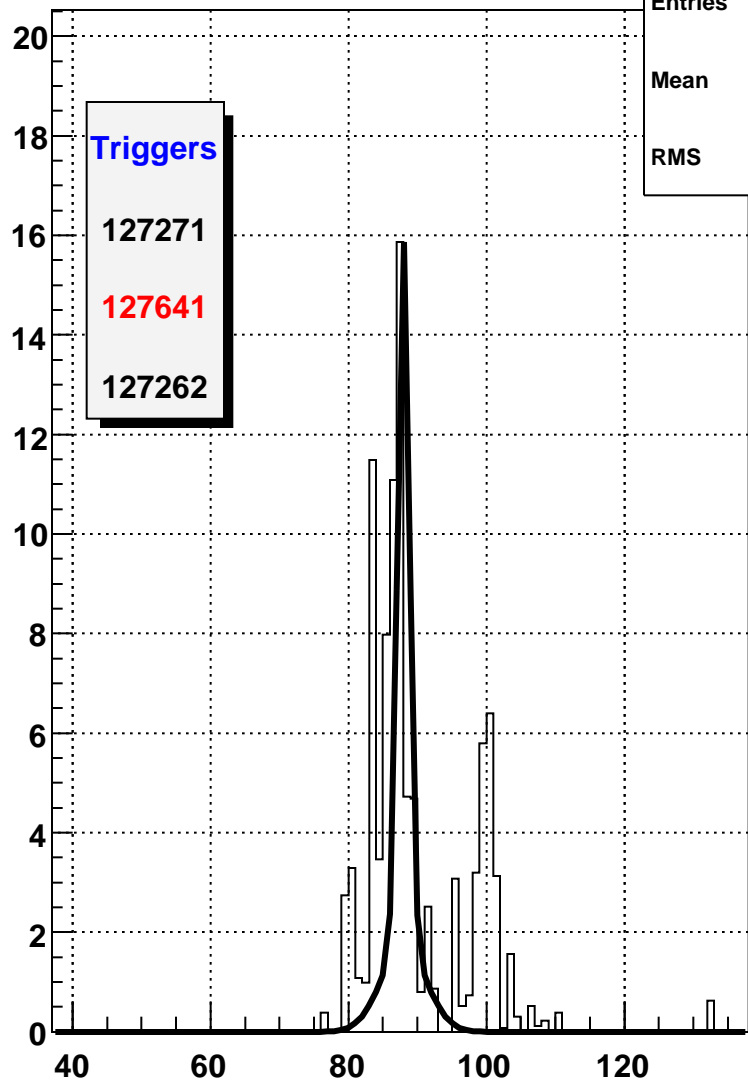
Entries	34
Mean	63.17
RMS	6.363



Run=7099046, Event=81259

**hSmdu**

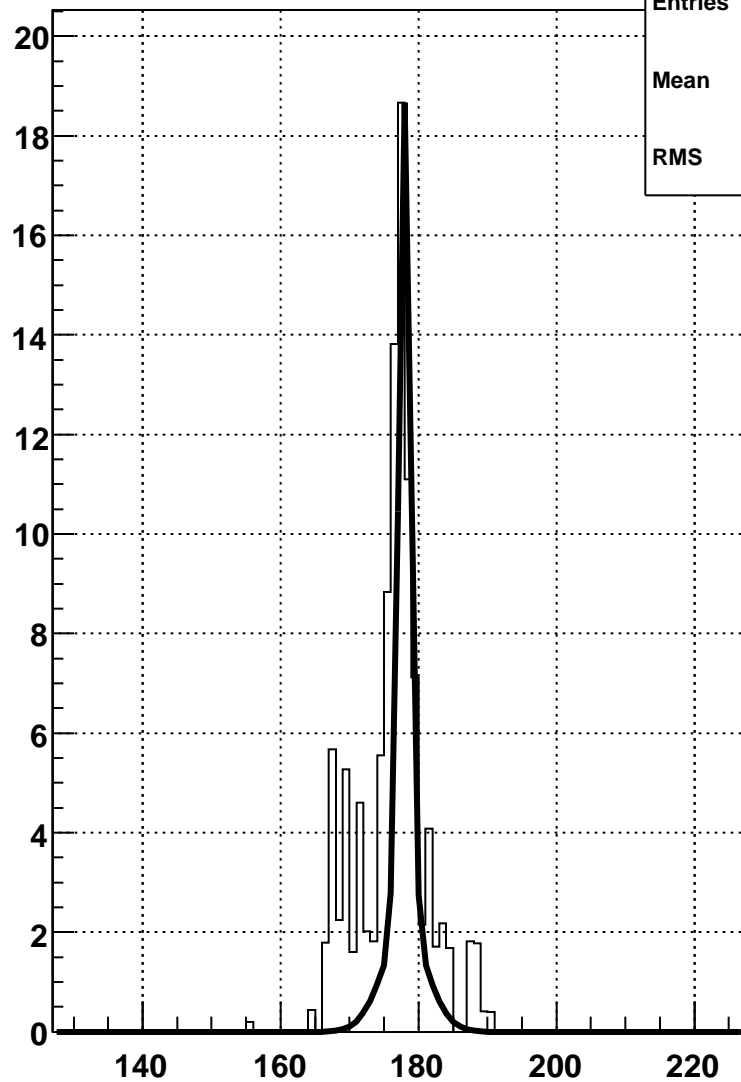
Entries	30
Mean	89.94
RMS	7.63



$p_T=7.0$  GeV,  $E=15.4$  GeV

**hSmdv**

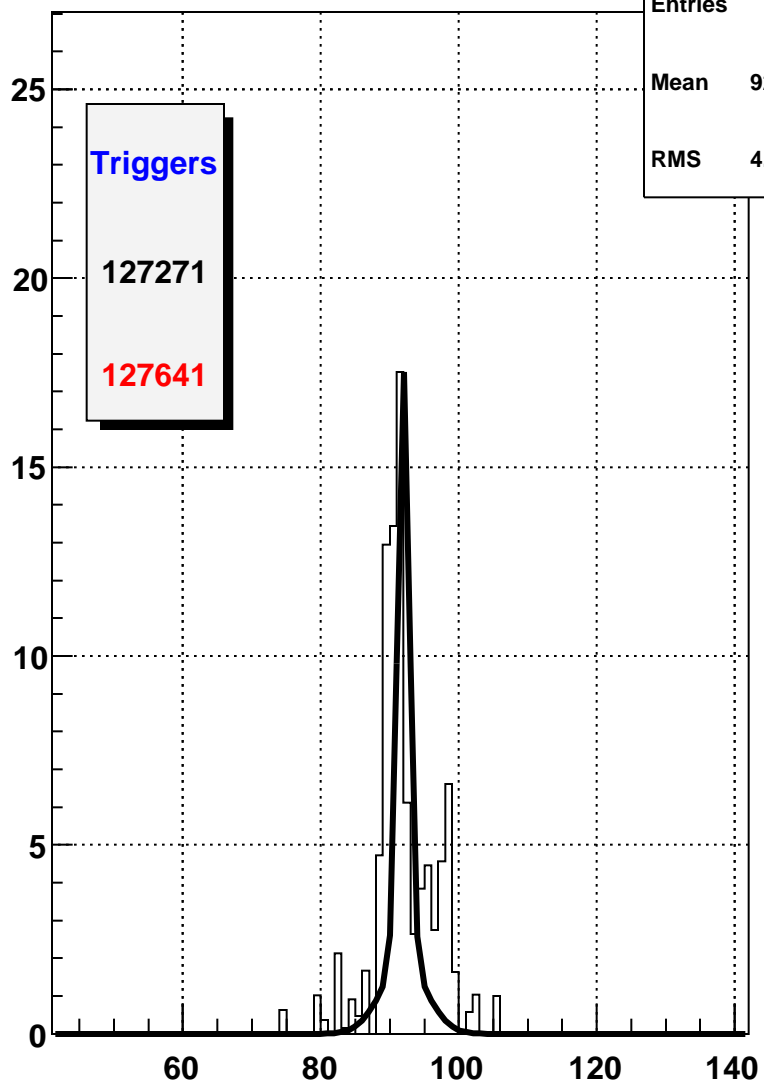
Entries	25
Mean	176.3
RMS	4.936



Run=7099046, Event=81825

**hSmdu**

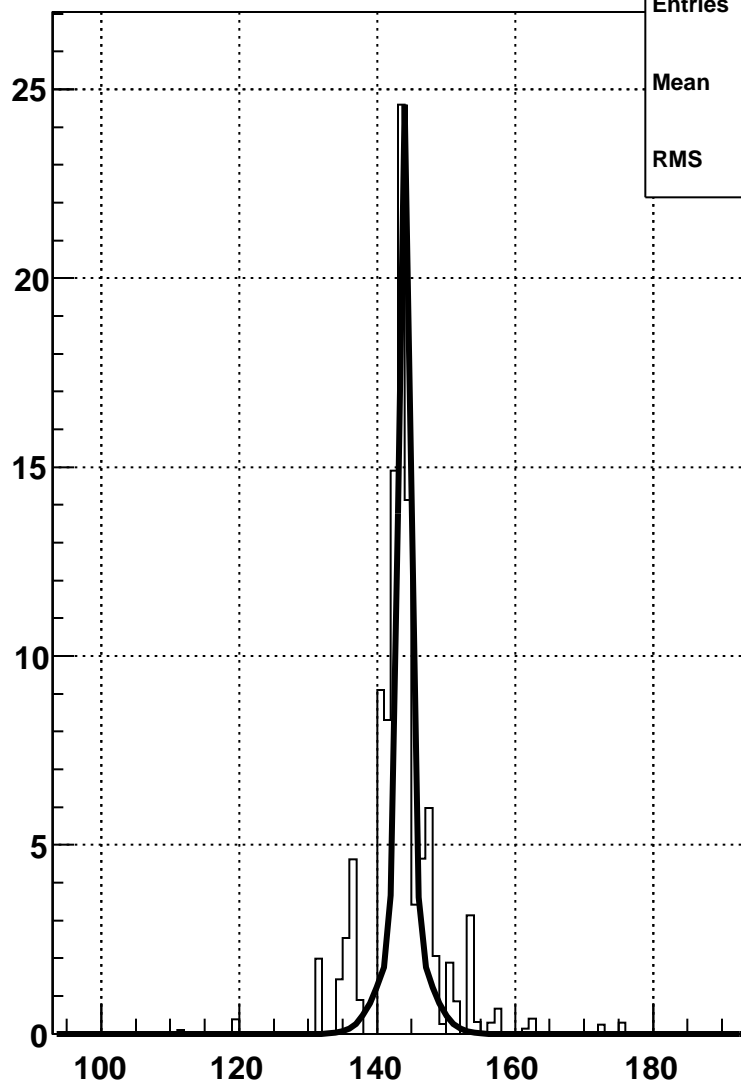
Entries	23
Mean	92.09
RMS	4.564



$p_T=6.5$  GeV,  $E=16.6$  GeV

**hSmdv**

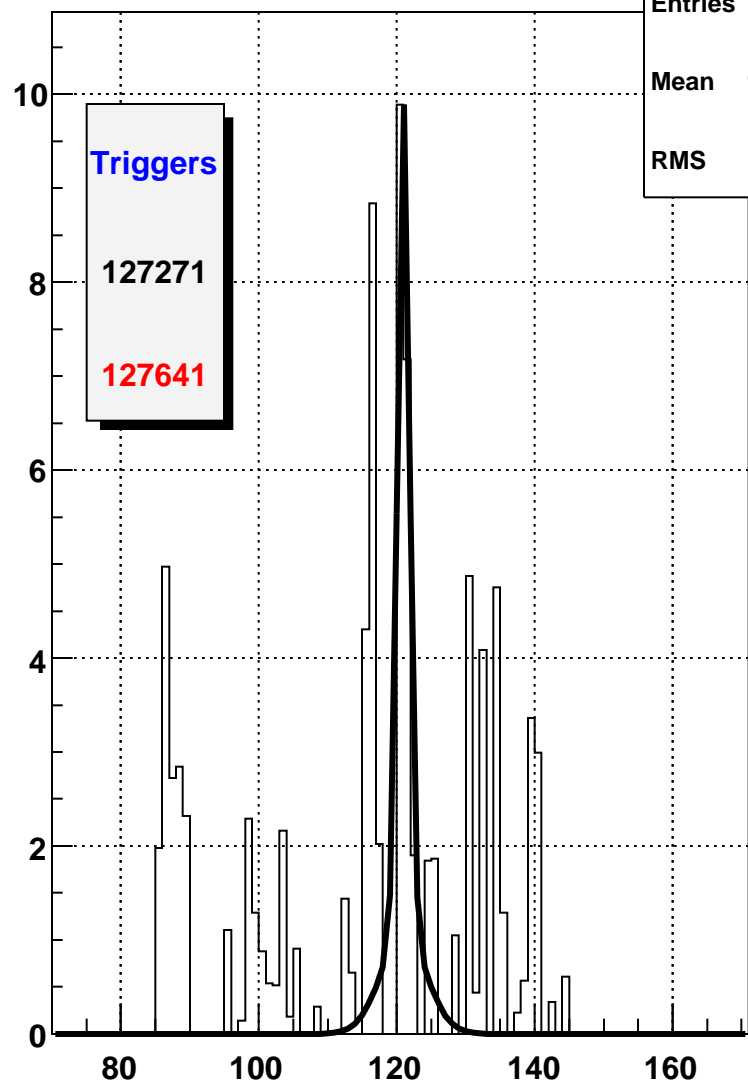
Entries	27
Mean	143.5
RMS	5.178



Run=7099046, Event=82177

**hSmdu**

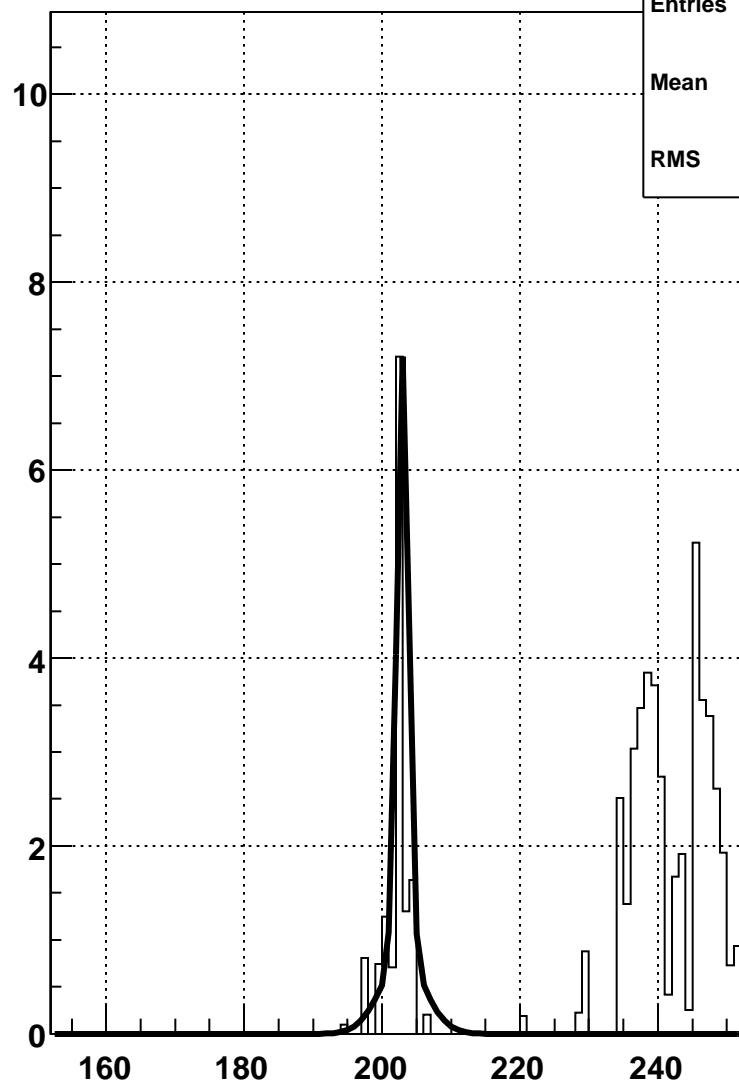
Entries	39
Mean	116.2
RMS	16.6



$p_T=6.8$  GeV,  $E=13.2$  GeV

**hSmdv**

Entries	35
Mean	232.5
RMS	17.63

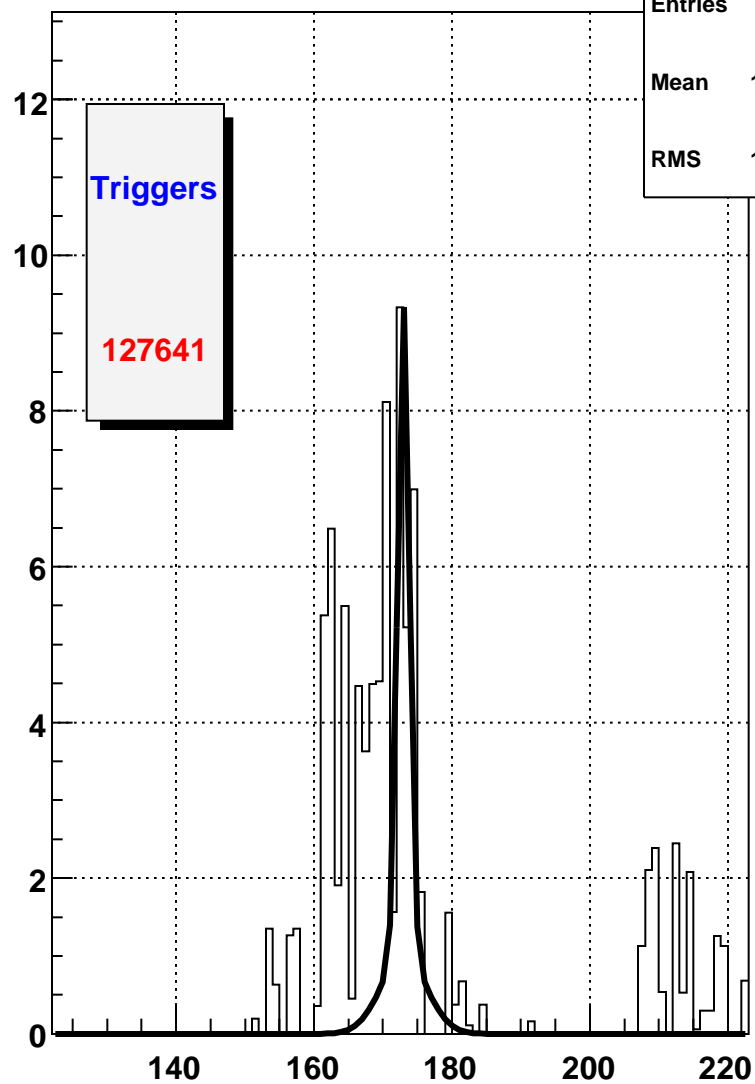




Run=7099046, Event=84356

**hSmdu**

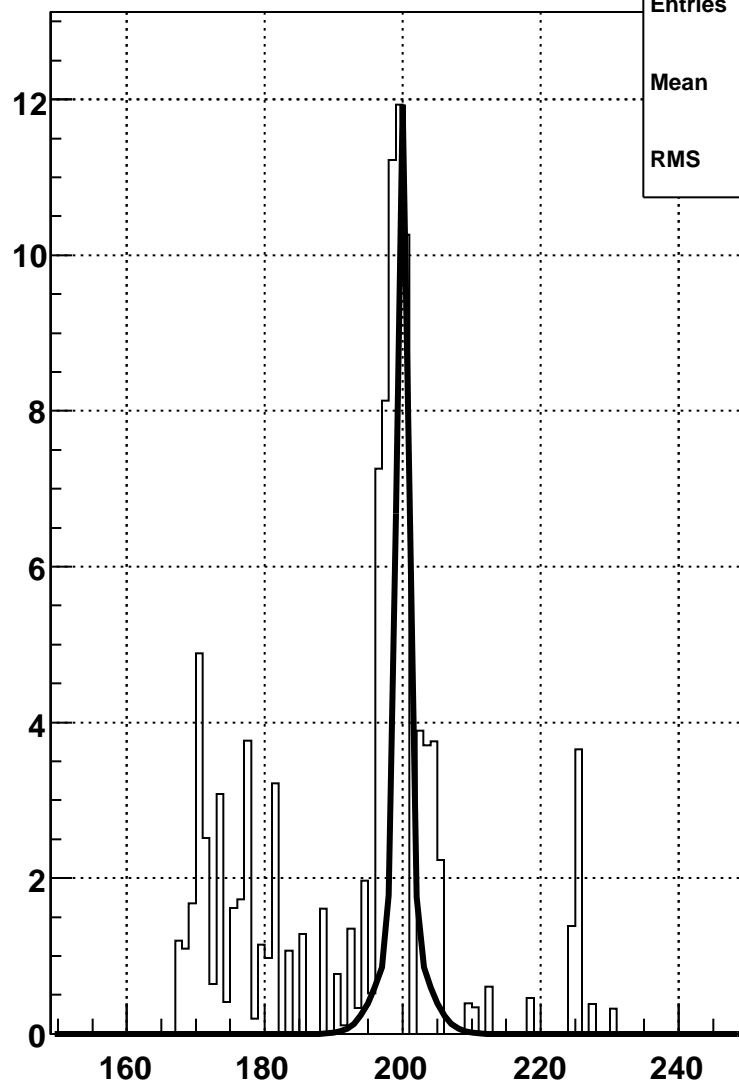
Entries	44
Mean	175.6
RMS	17.29



$p_T=7.5$  GeV,  $E=12.6$  GeV

**hSmdv**

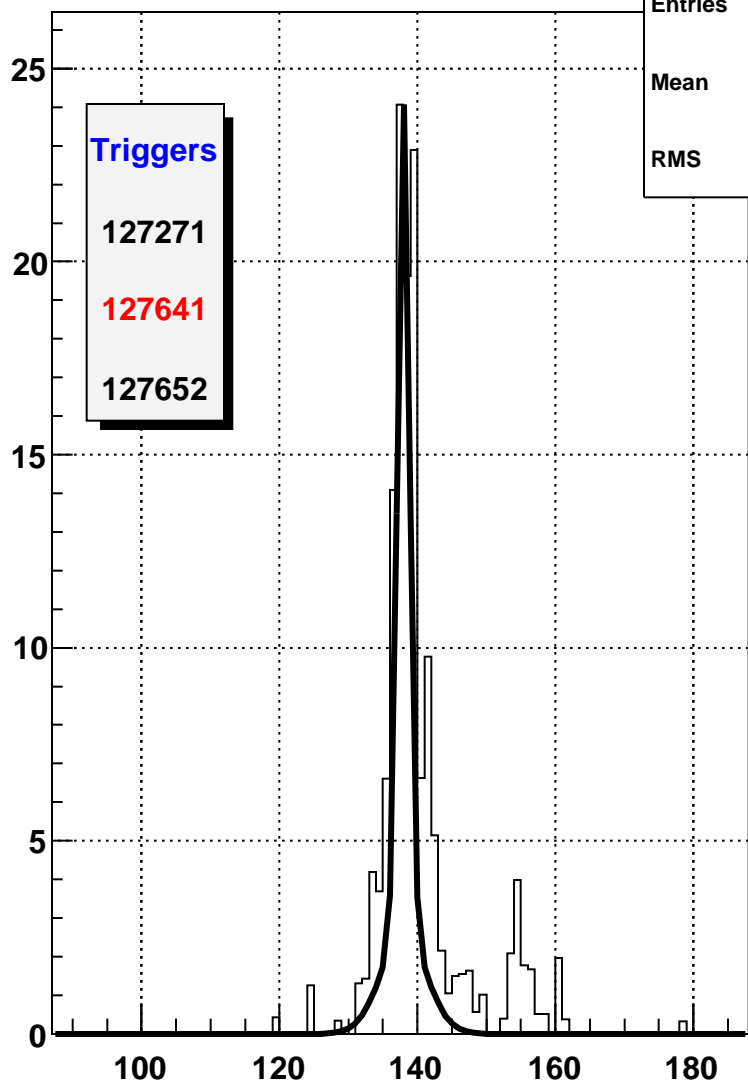
Entries	41
Mean	193.9
RMS	13.86



Run=7099046, Event=35608

**hSmdu**

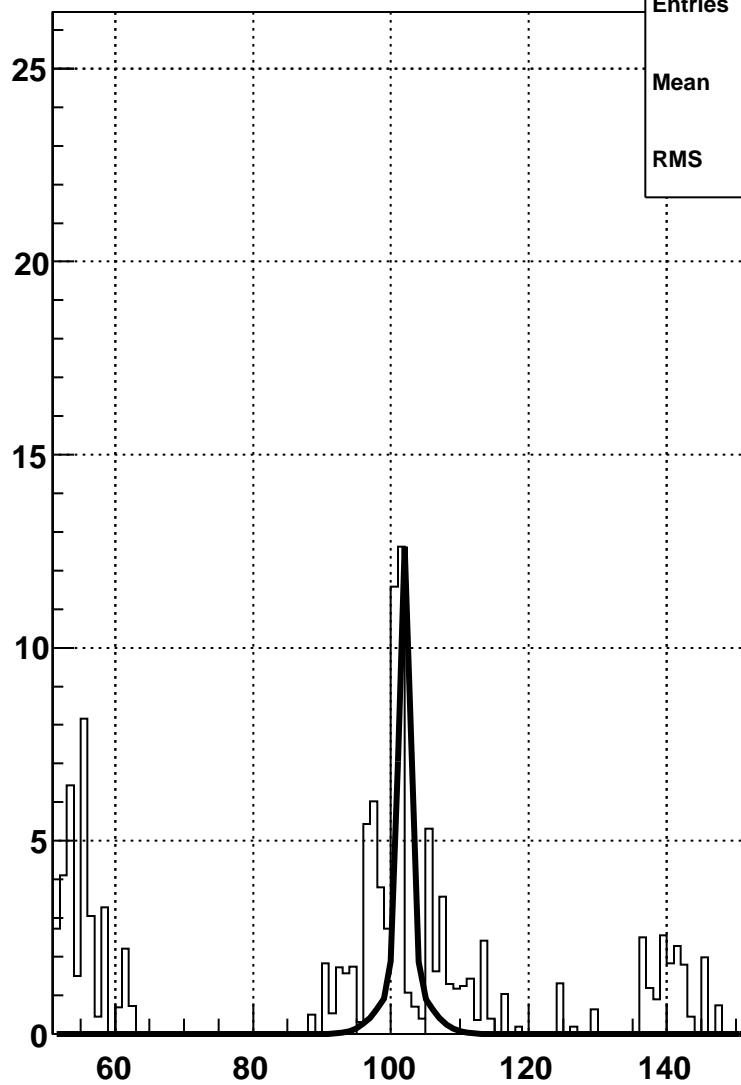
Entries	43
Mean	140.2
RMS	6.383



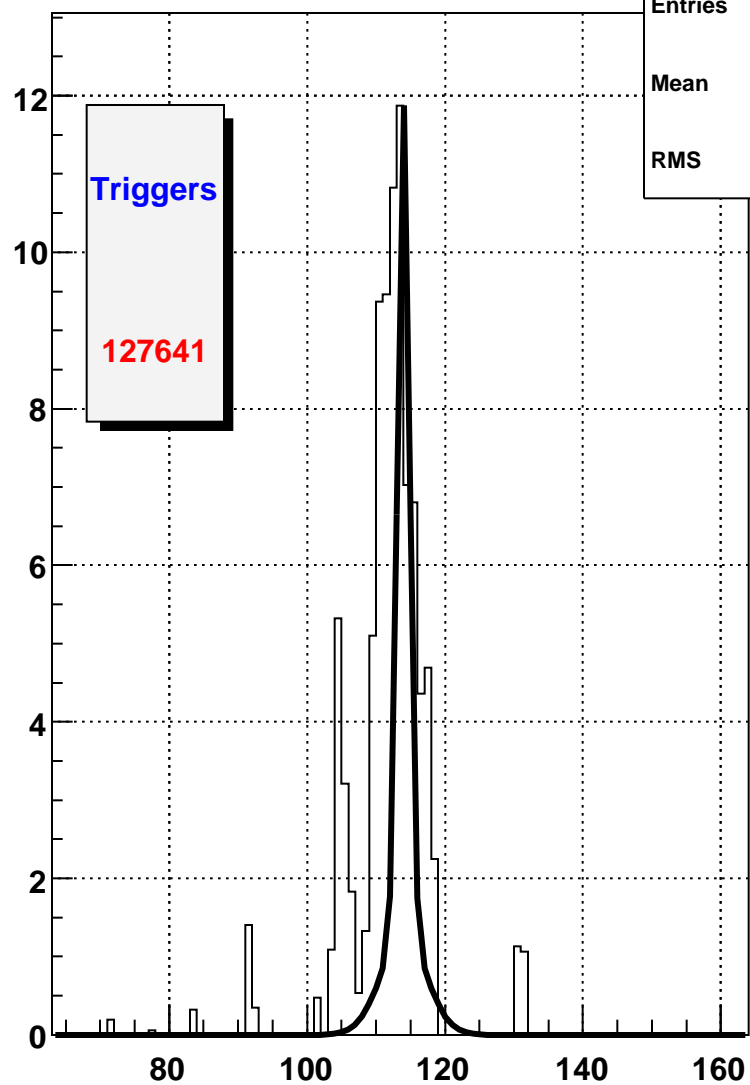
$p_T=7.2$  GeV,  $E=17.2$  GeV

**hSmdv**

Entries	62
Mean	94.69
RMS	27.52



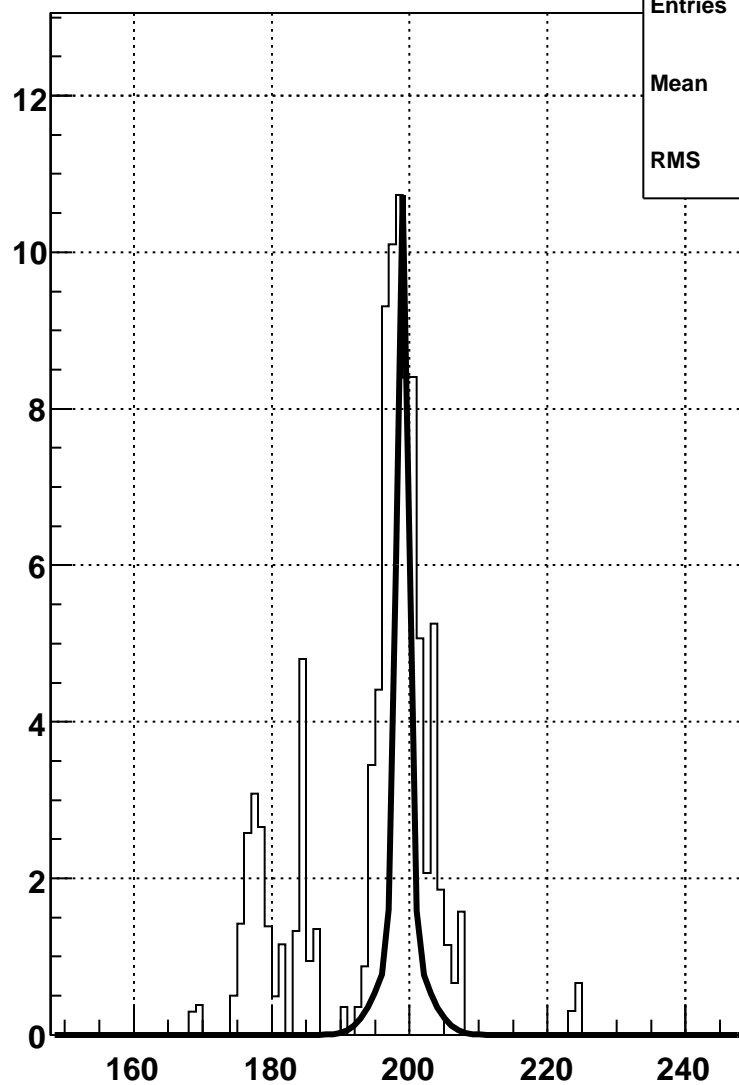
Run=7099046, Event=36052



**hSmdu**

Entries	24
Mean	111.9
RMS	6.089

$p_T=5.6$  GeV,  $E=12.0$  GeV



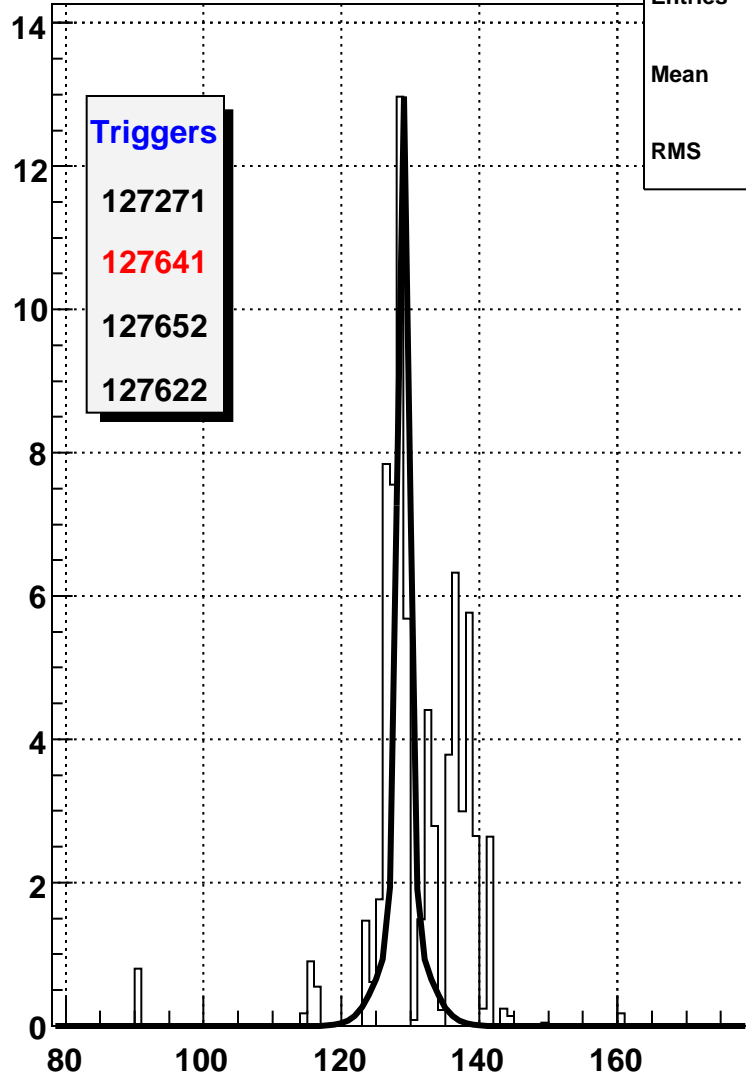
**hSmdv**

Entries	33
Mean	195
RMS	9.123

Run=7099046, Event=36472

**hSmdu**

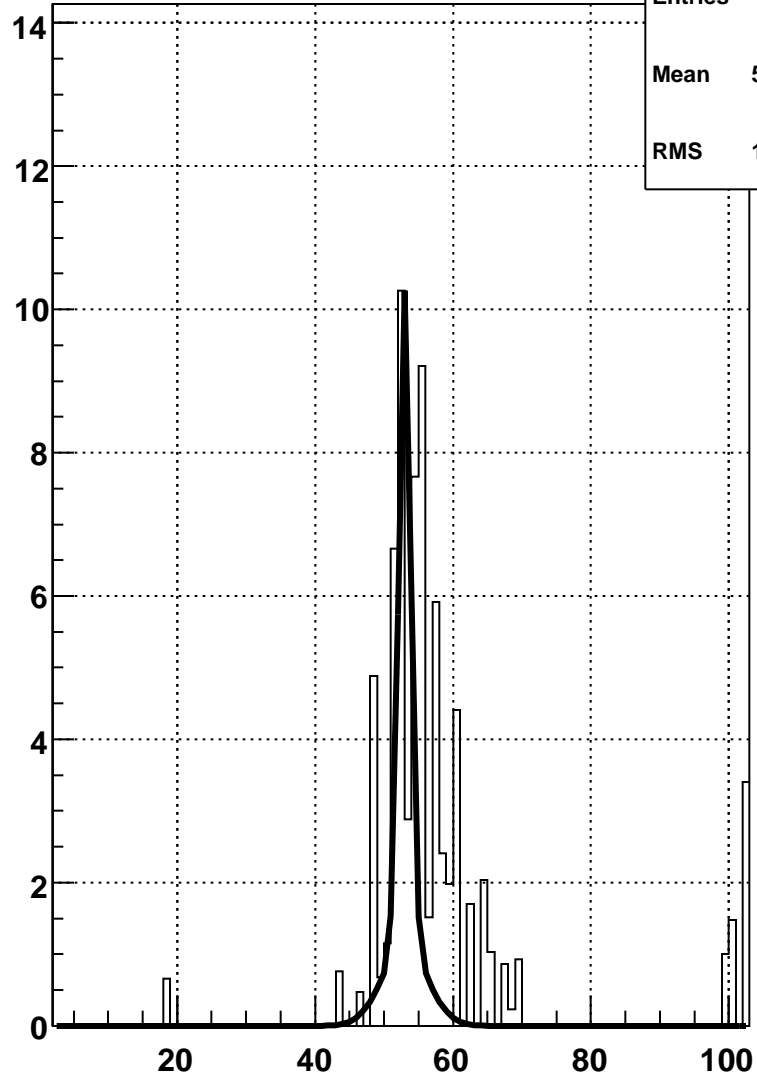
Entries 38  
Mean 131.1  
RMS 7.032



$p_T=5.2$  GeV,  $E=13.7$  GeV

**hSmdv**

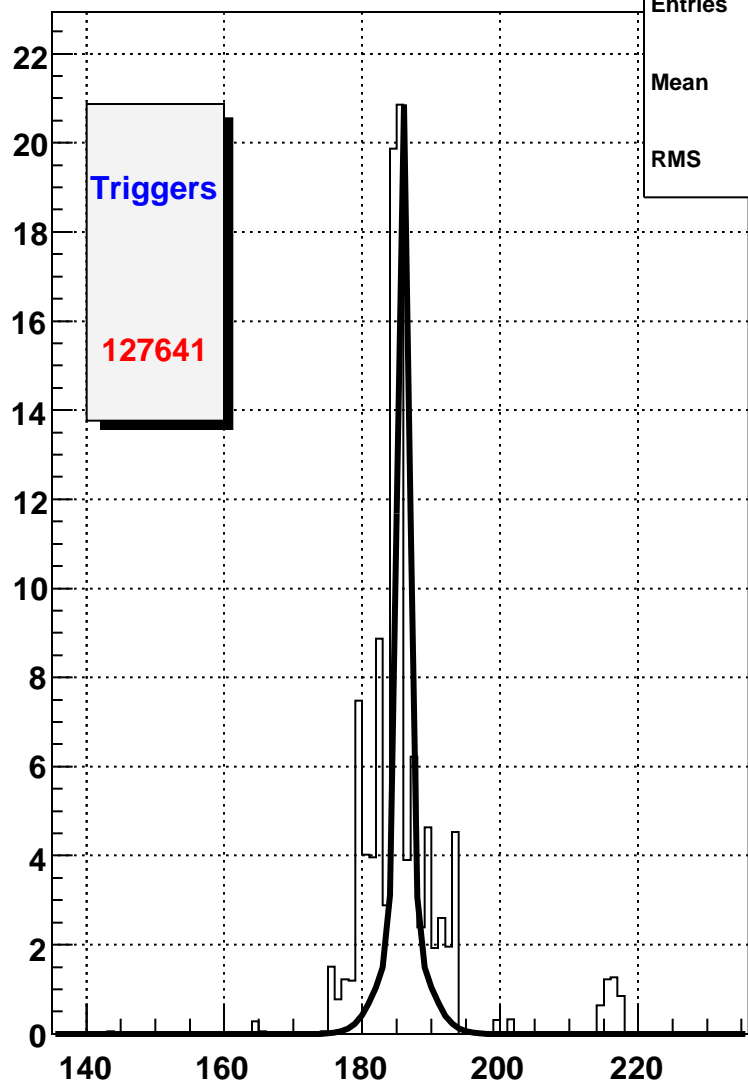
Entries 58  
Mean 58.67  
RMS 13.82



Run=7099046, Event=36974

**hSmdu**

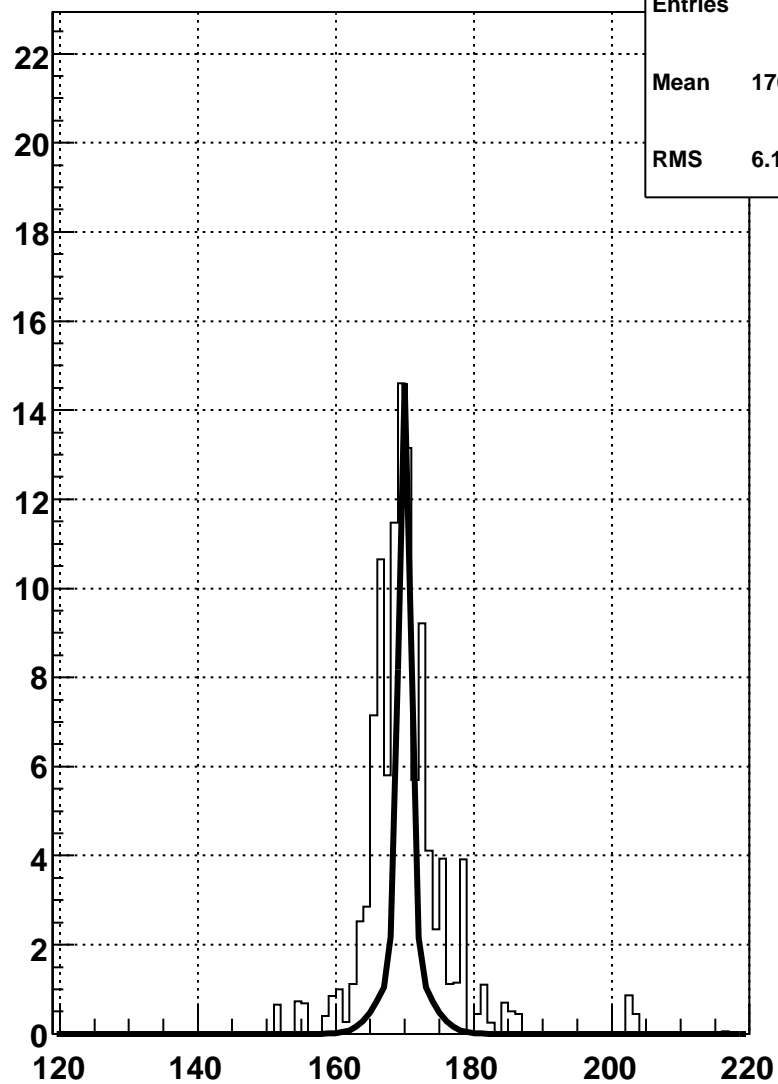
Entries	29
Mean	186.1
RMS	7.298



$p_T=5.5$  GeV,  $E=11.1$  GeV

**hSmdv**

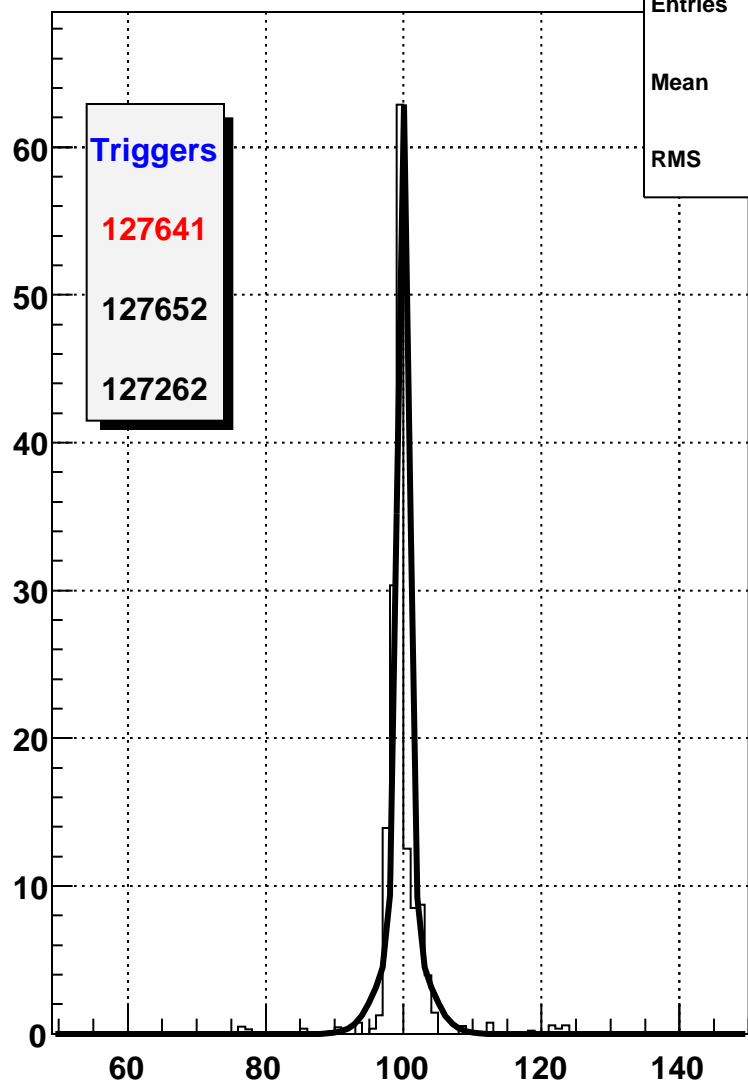
Entries	34
Mean	170.2
RMS	6.195



Run=7099046, Event=37126

**hSmdu**

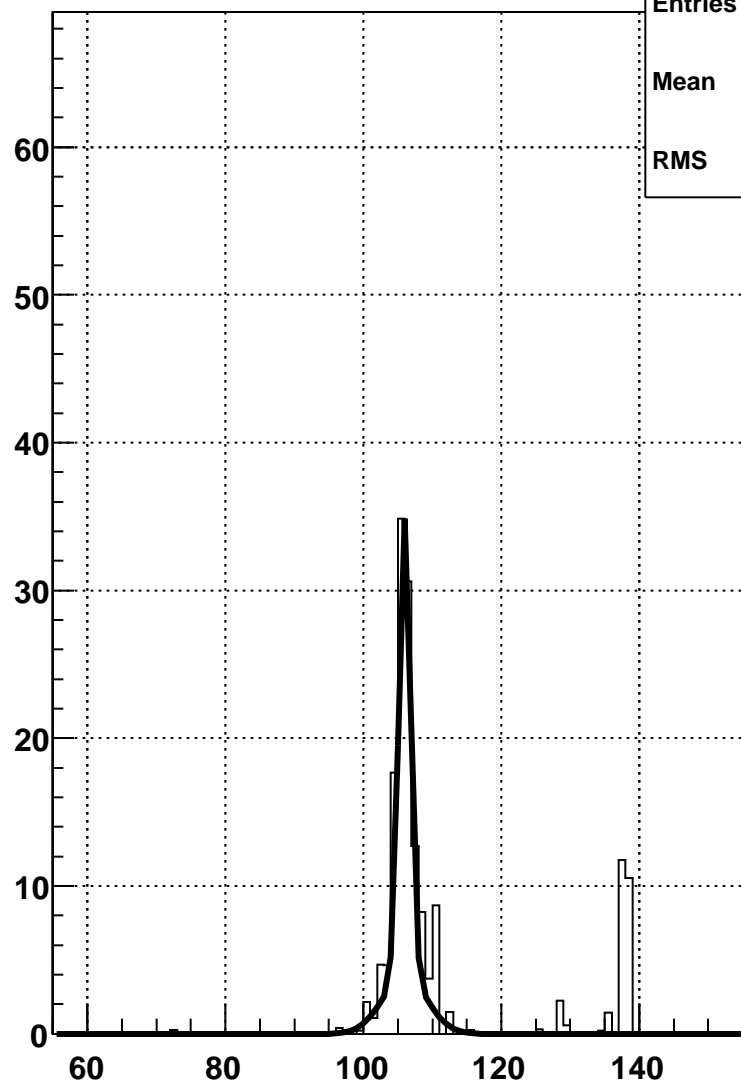
Entries	22
Mean	99.73
RMS	3.594



$p_T=5.0$  GeV,  $E=14.5$  GeV

**hSmdv**

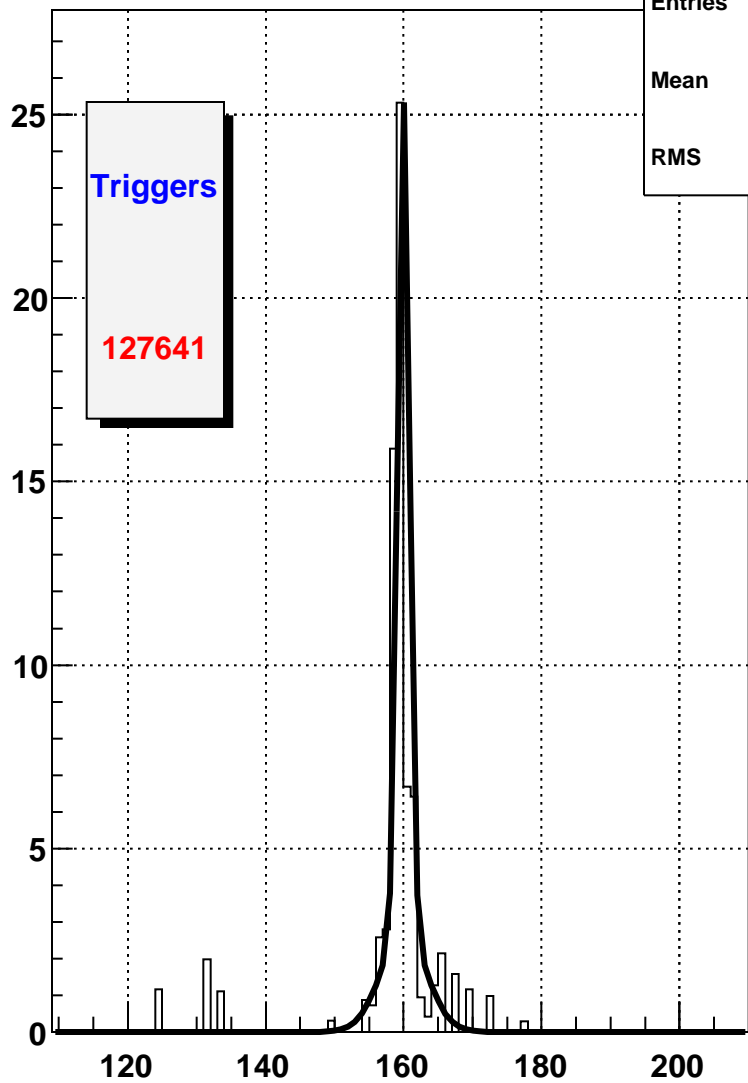
Entries	23
Mean	111.3
RMS	11.83



Run=7099046, Event=37312

**hSmdu**

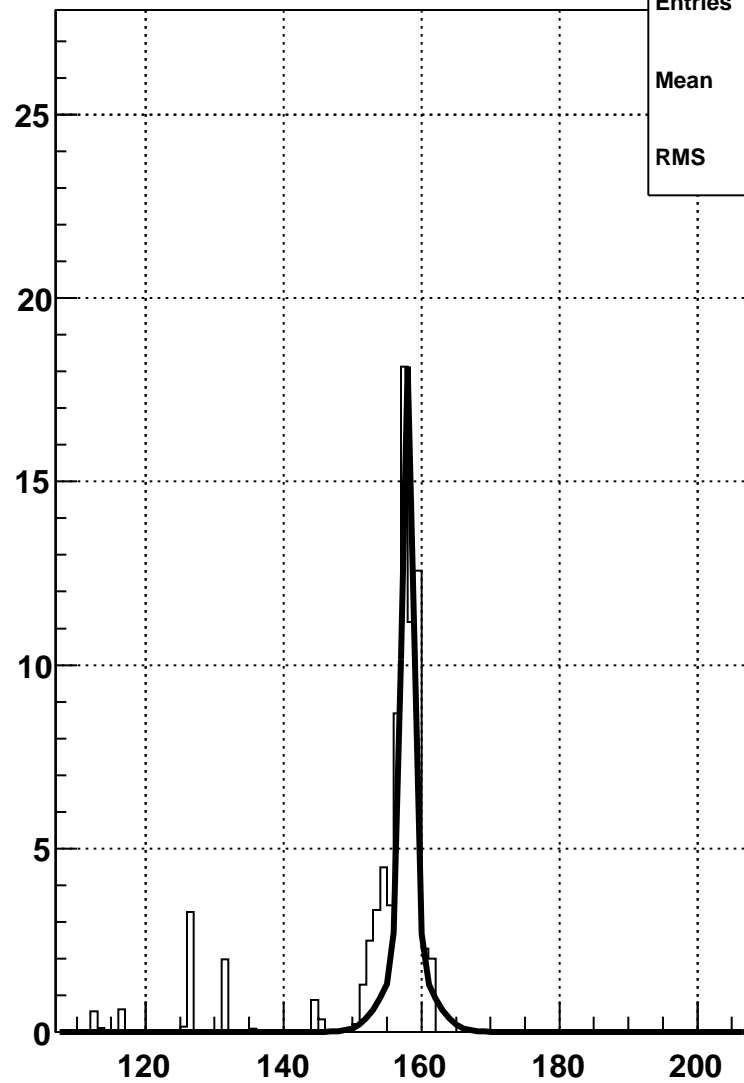
Entries	20
Mean	158.4
RMS	7.654



$p_T=5.1$  GeV,  $E=10.6$  GeV

**hSmdv**

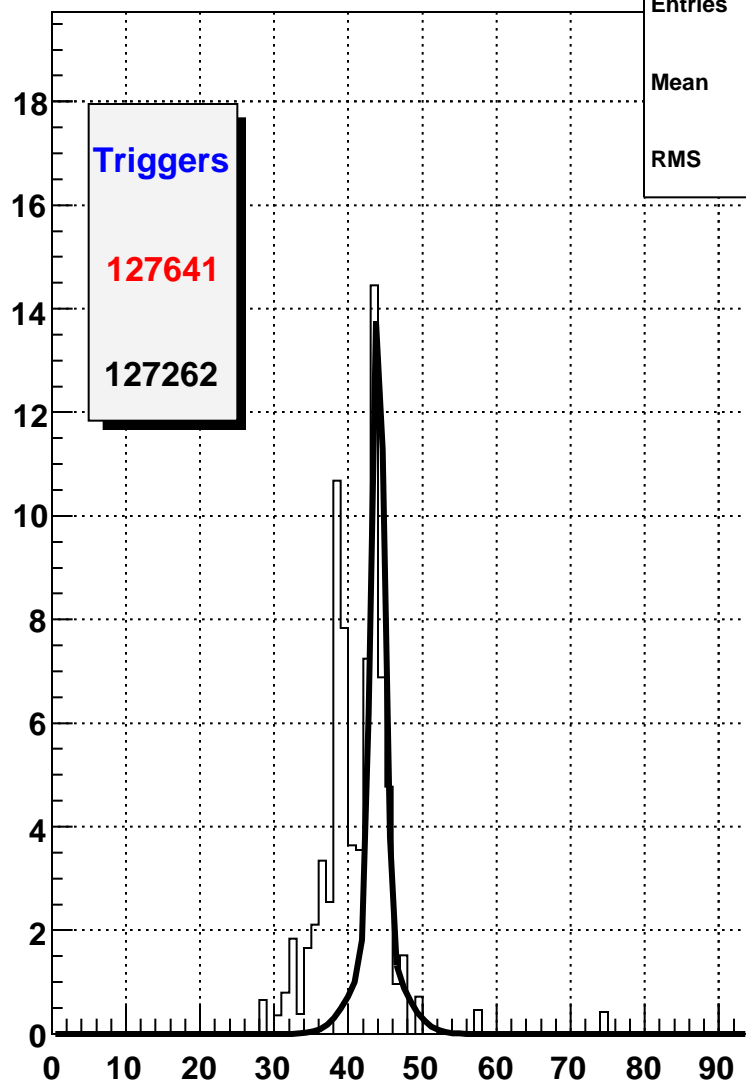
Entries	21
Mean	154.4
RMS	9.356



Run=7099046, Event=37973

**hSmdu**

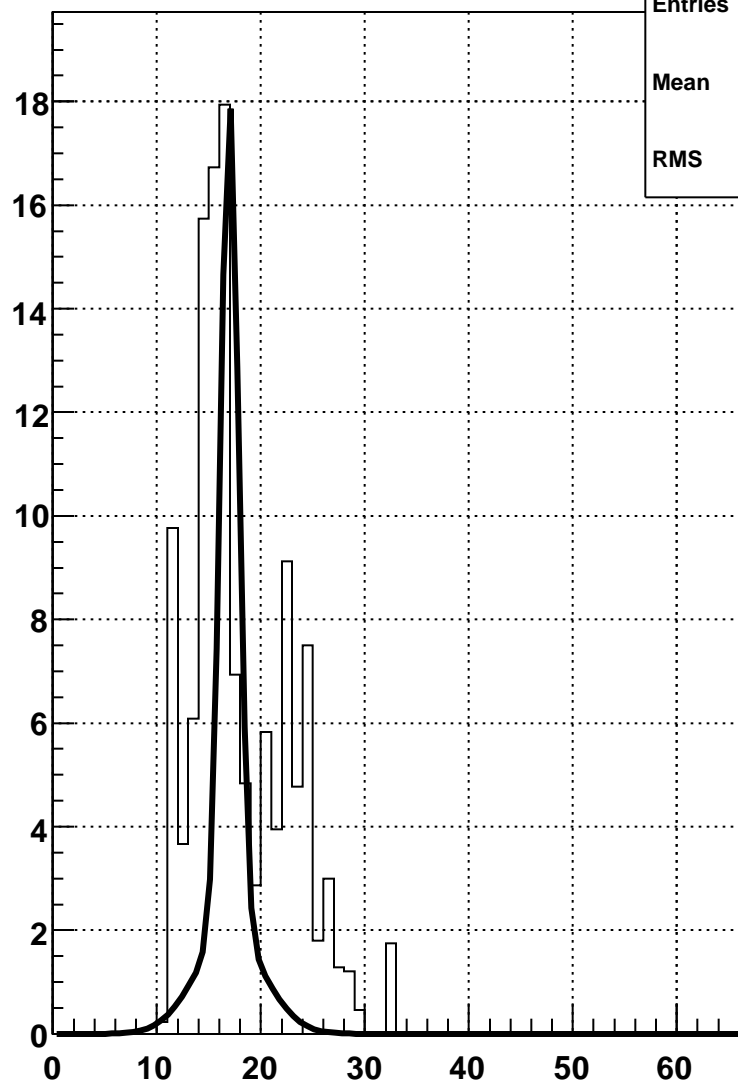
Entries	22
Mean	41.17
RMS	4.727



$p_T=7.3$  GeV,  $E=24.4$  GeV

**hSmdv**

Entries	21
Mean	18.05
RMS	4.668

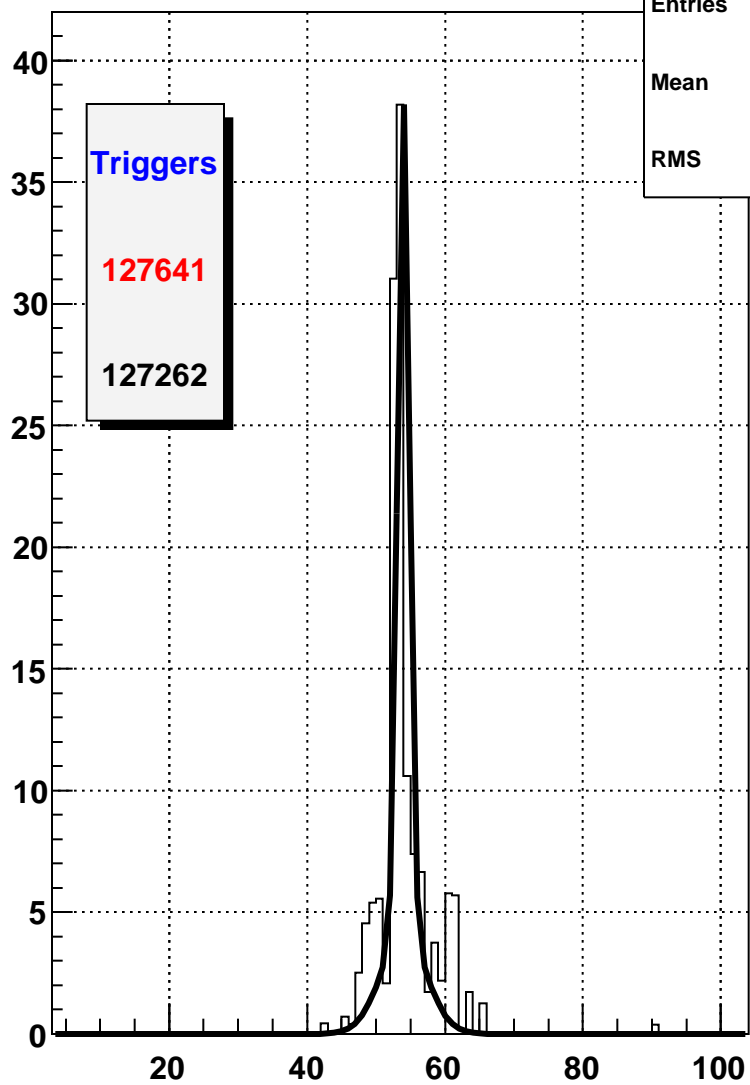




Run=7099046, Event=66778

**hSmdu**

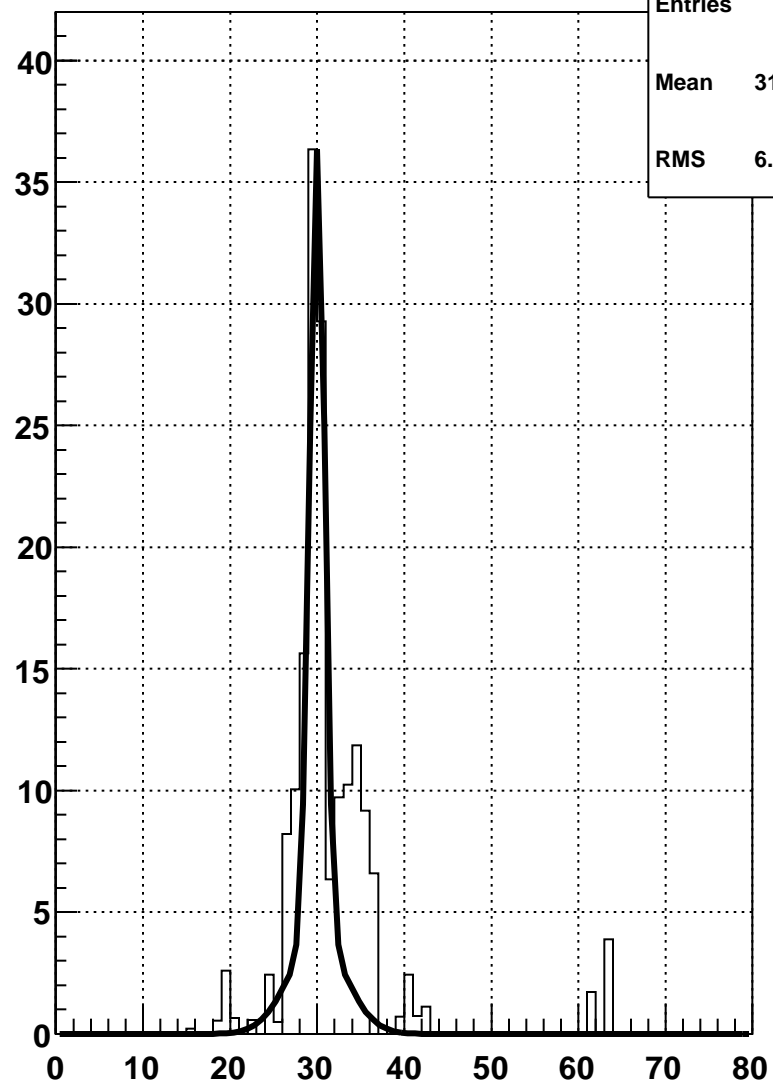
Entries	22
Mean	54.17
RMS	4.041



$p_T=8.3$  GeV,  $E=23.2$  GeV

**hSmdv**

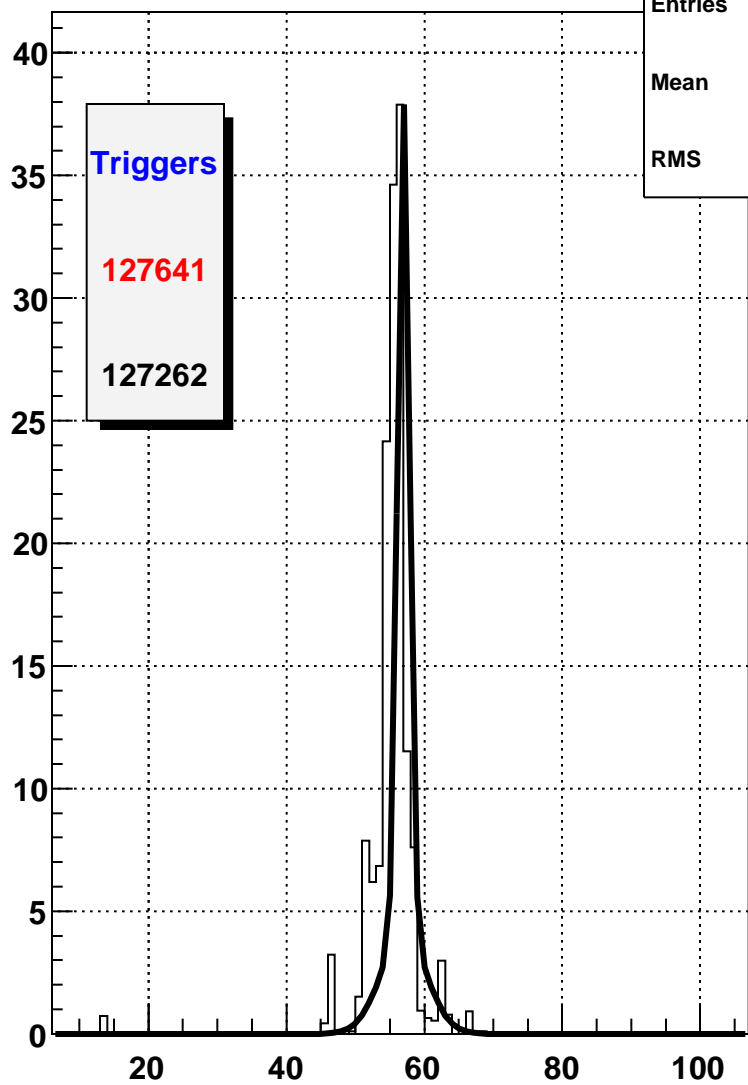
Entries	27
Mean	31.83
RMS	6.819



Run=7099046, Event=66837

**hSmdu**

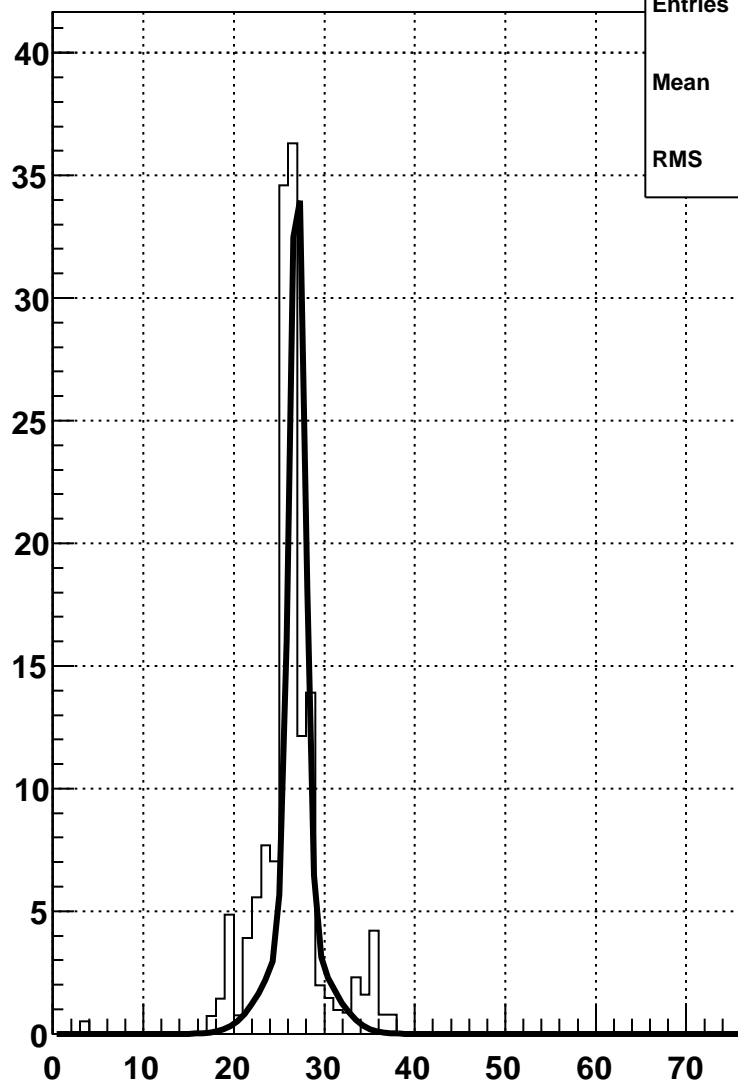
Entries	20
Mean	55.31
RMS	4.006



$p_T=5.3$  GeV,  $E=19.1$  GeV

**hSmdv**

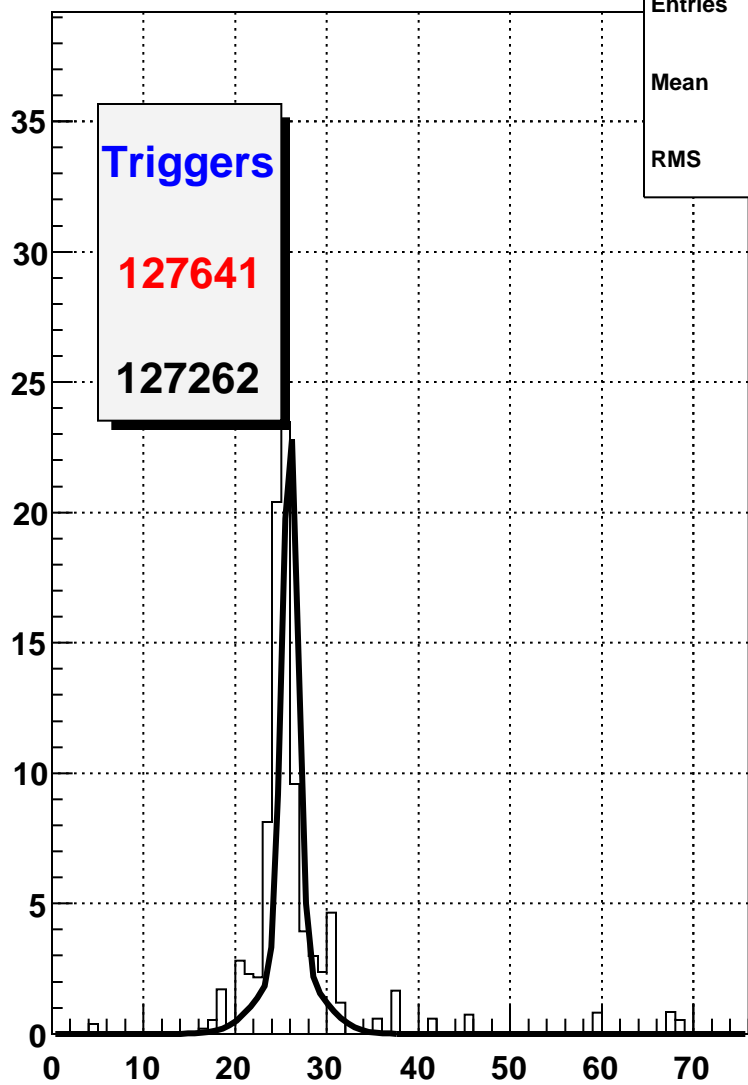
Entries	22
Mean	26.24
RMS	3.621



Run=7099035, Event=67943

**hSmdu**

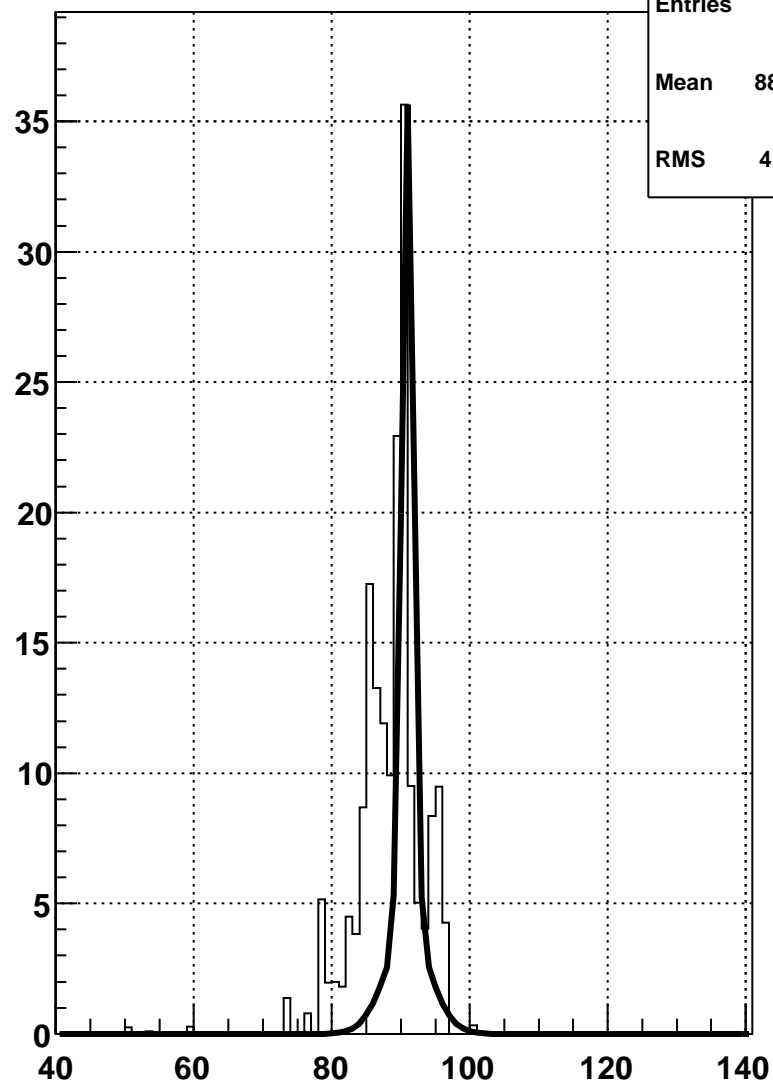
Entries	51
Mean	26.66
RMS	7.159



$p_T=6.7$  GeV,  $E=17.5$  GeV

**hSmdv**

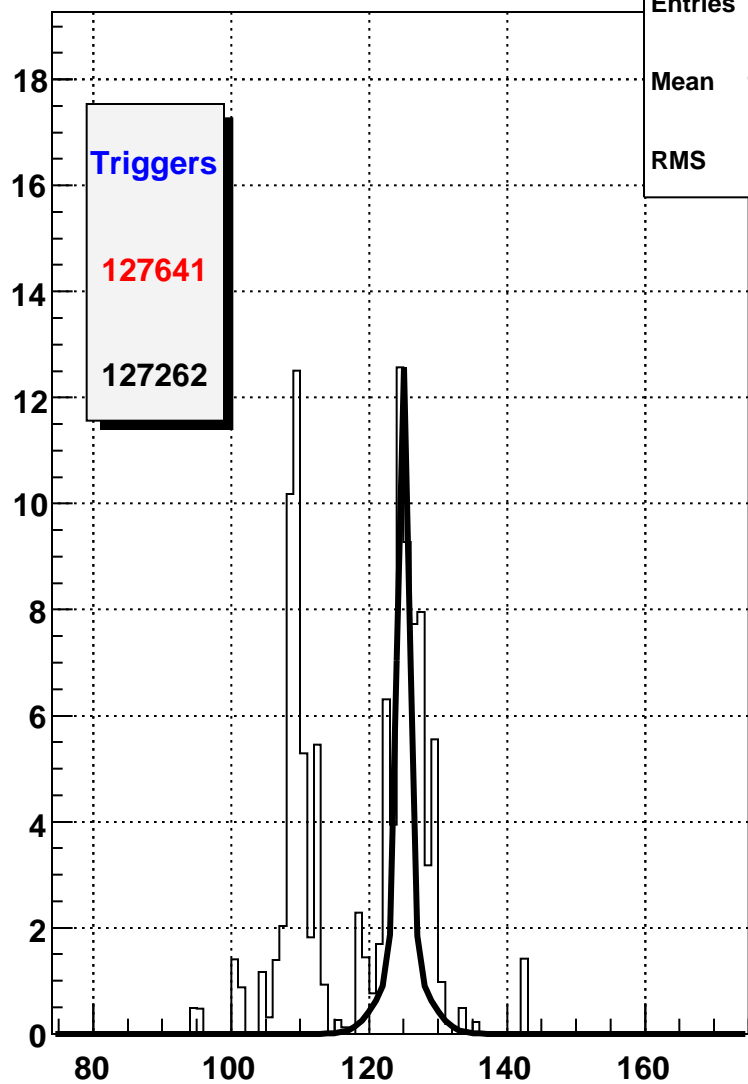
Entries	37
Mean	88.47
RMS	4.831



Run=7099046, Event=20803

**hSmdu**

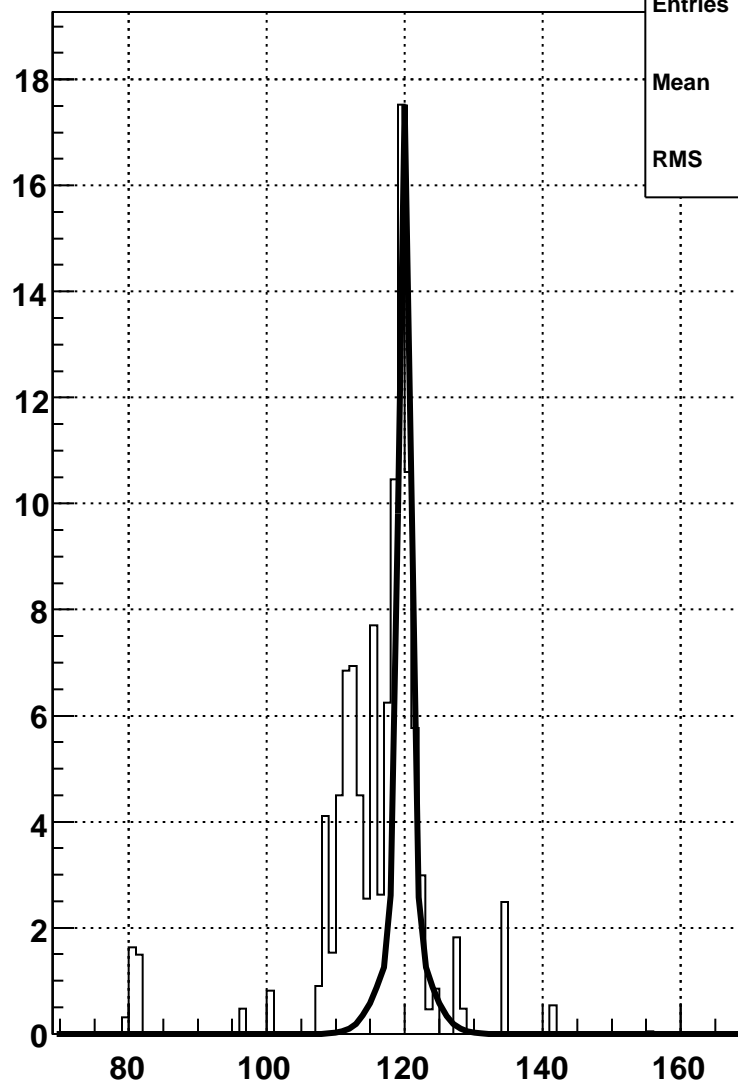
Entries	33
Mean	118.9
RMS	9.041



$p_T=5.0$  GeV,  $E=11.8$  GeV

**hSmdv**

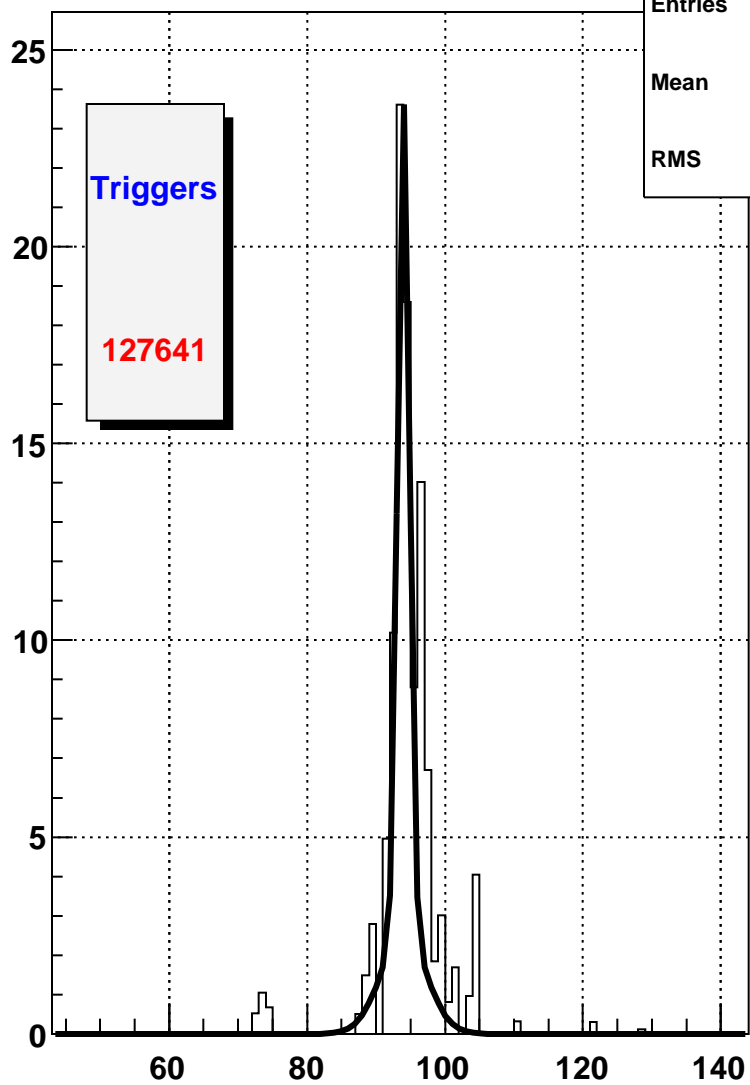
Entries	28
Mean	116.1
RMS	8.575



Run=7099046, Event=21671

**hSmdu**

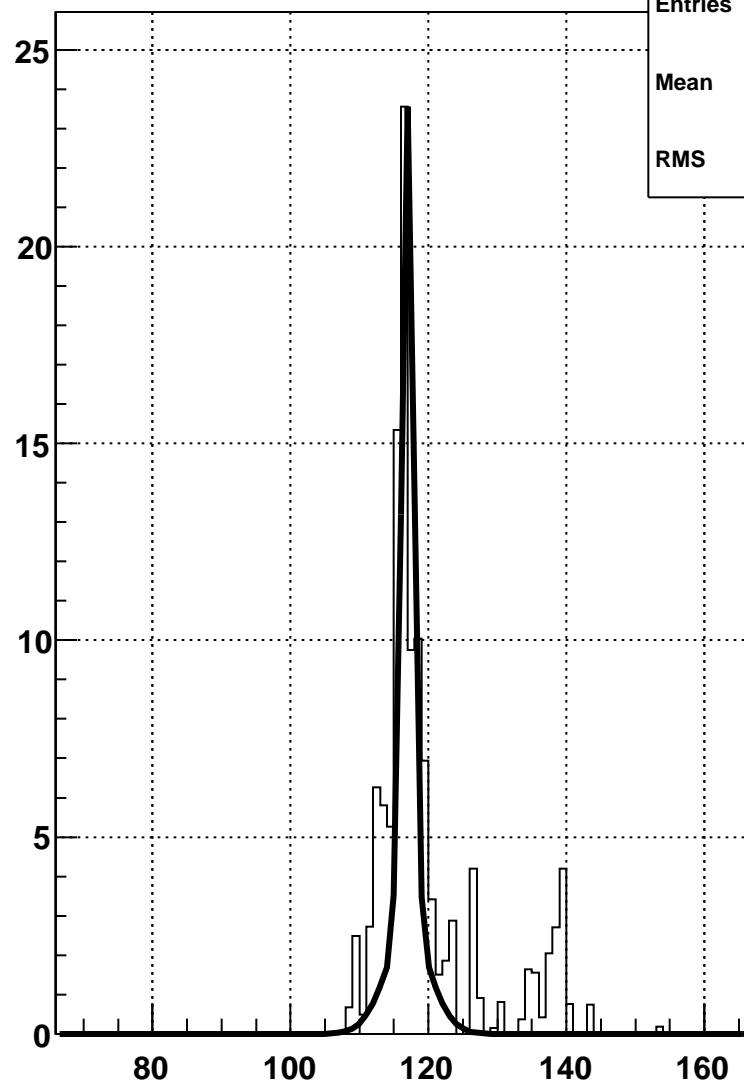
Entries	22
Mean	94.78
RMS	4.824



$p_T=6.0$  GeV,  $E=12.8$  GeV

**hSmdv**

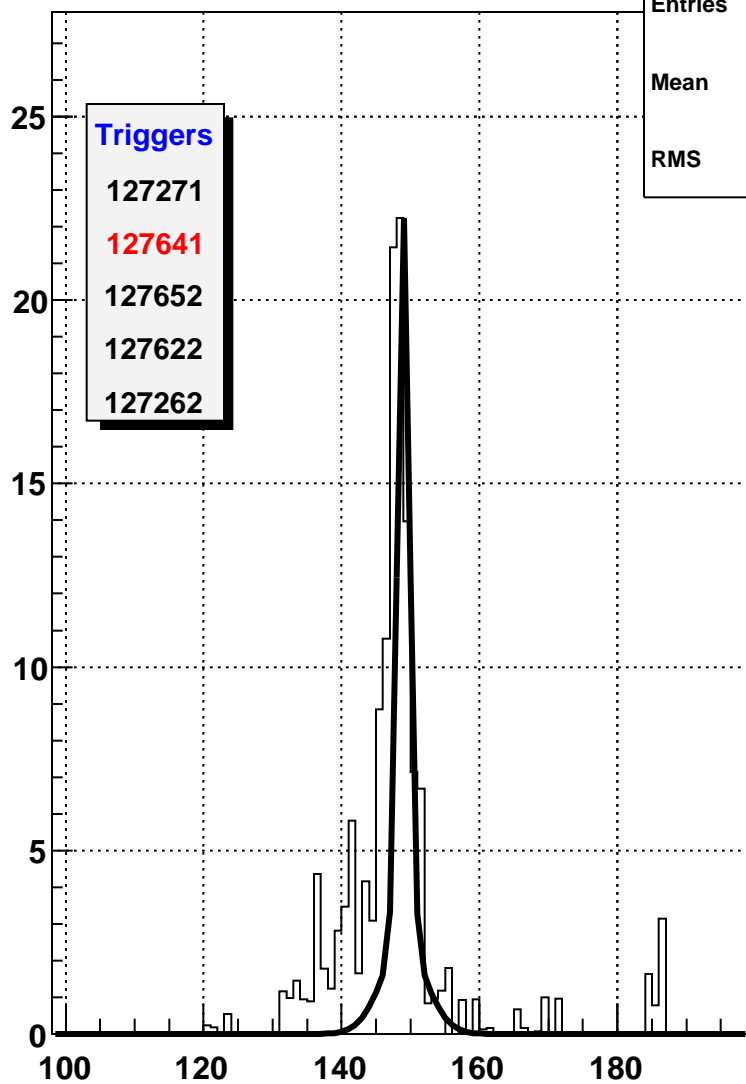
Entries	30
Mean	119.7
RMS	7.862



Run=7099046, Event=71301

**hSmdu**

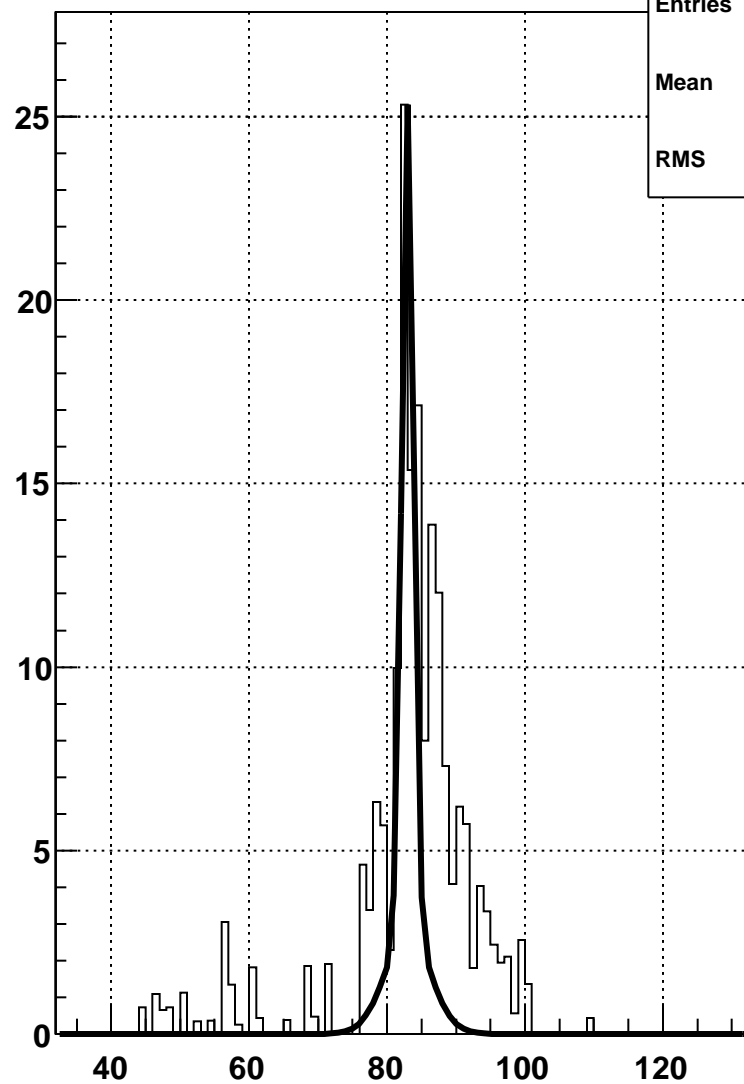
Entries	40
Mean	148.3
RMS	9.741



$p_T=9.5$  GeV,  $E=17.5$  GeV

**hSmdv**

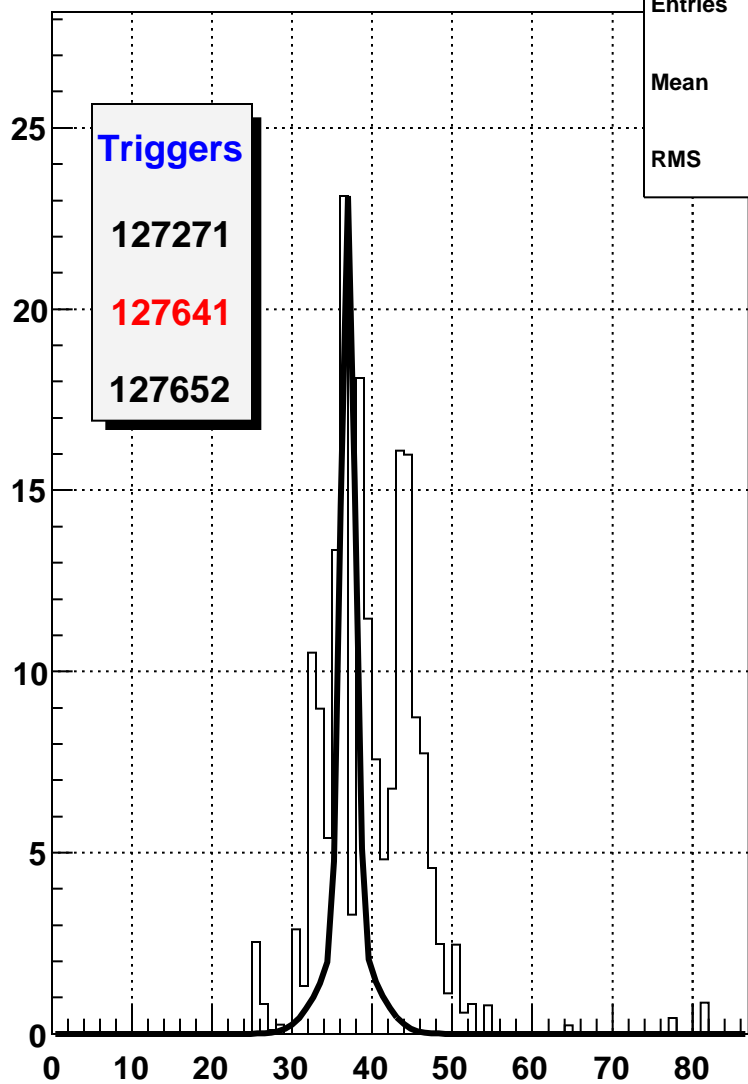
Entries	42
Mean	83.29
RMS	9.627



Run=7099046, Event=71441

**hSmdu**

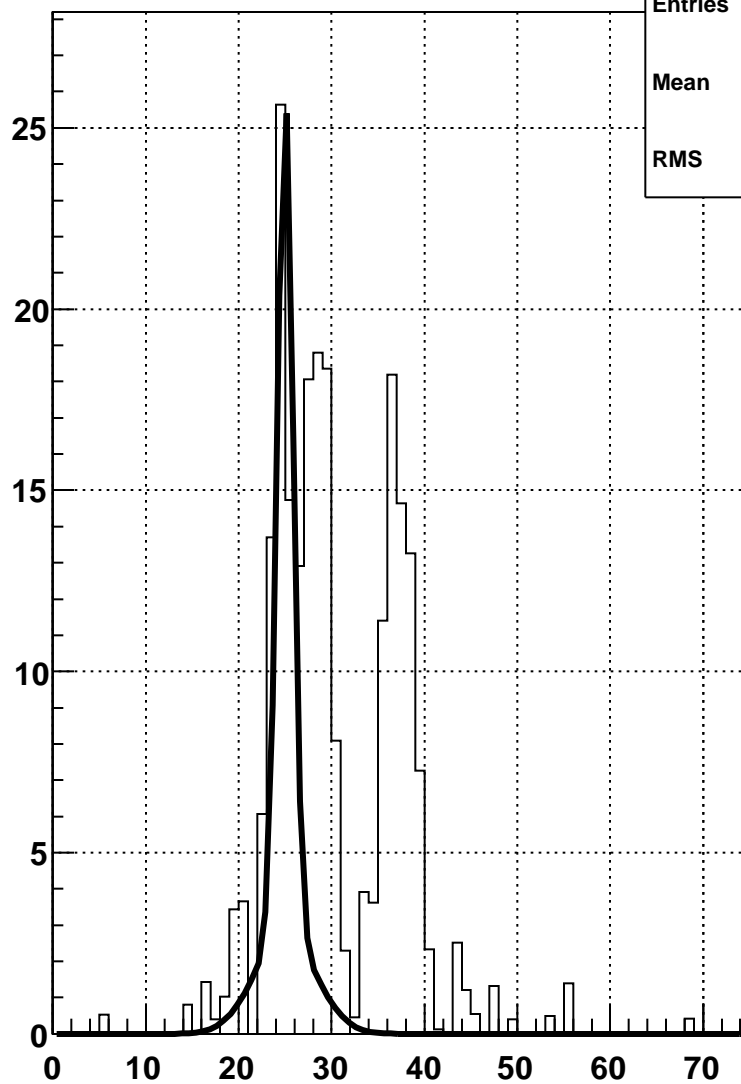
Entries	31
Mean	39.96
RMS	6.348



$p_T=5.5$  GeV,  $E=24.1$  GeV

**hSmdv**

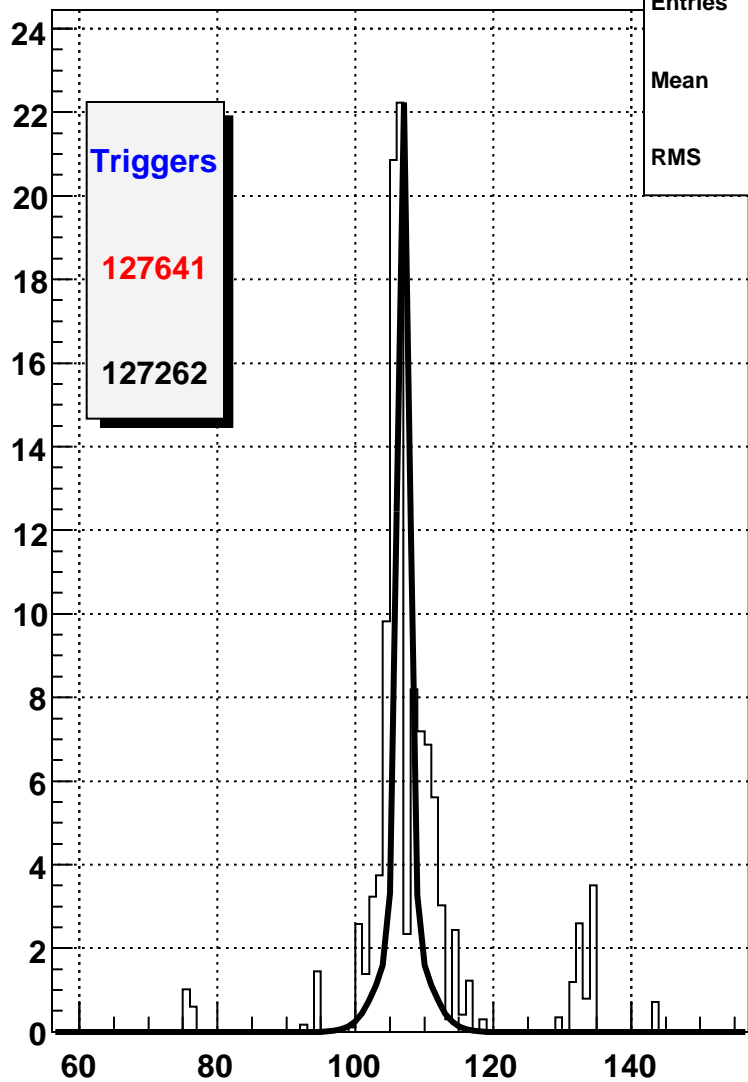
Entries	35
Mean	30.38
RMS	6.899



Run=7099046, Event=71632

**hSmdu**

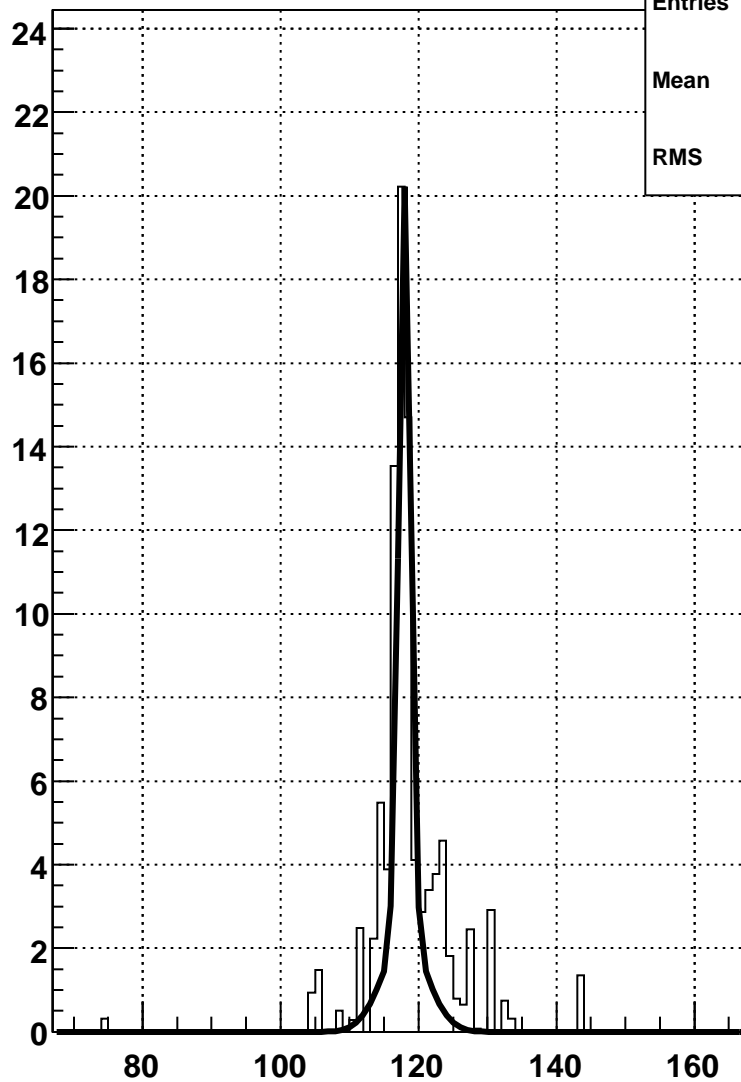
Entries	29
Mean	108.7
RMS	9.021



$p_T=5.9$  GeV,  $E=14.1$  GeV

**hSmdv**

Entries	26
Mean	118.7
RMS	6.057

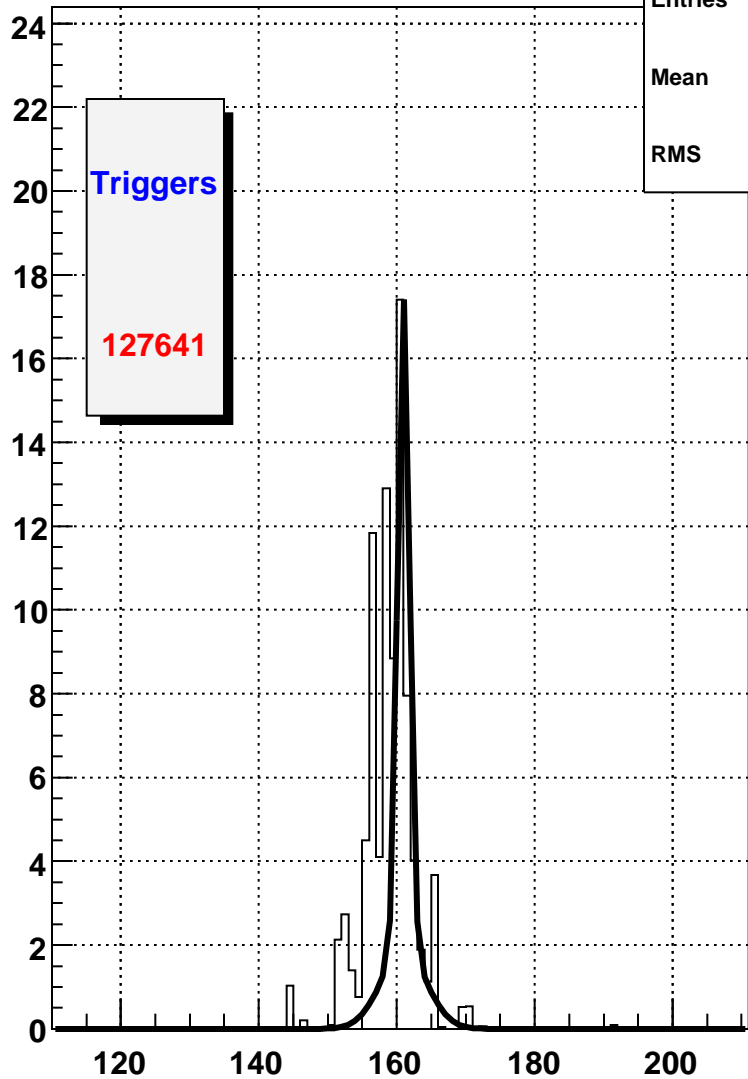




Run=7099046, Event=71836

**hSmdu**

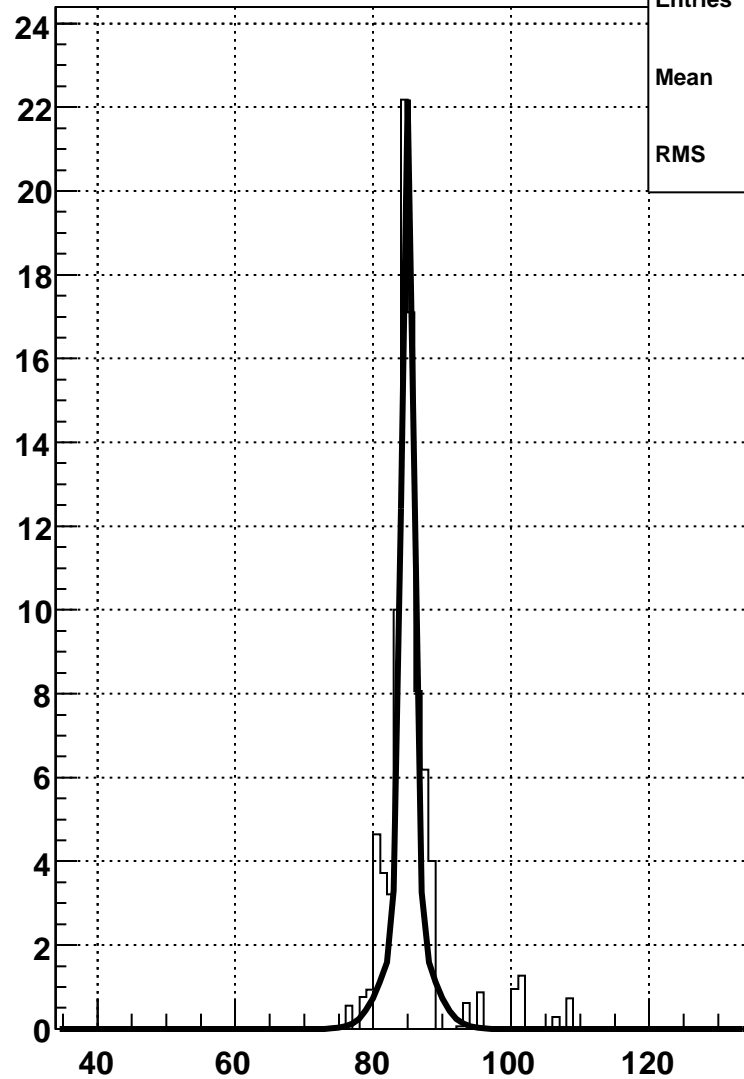
Entries	23
Mean	159
RMS	3.839



$p_T=6.1$  GeV,  $E=12.2$  GeV

**hSmdv**

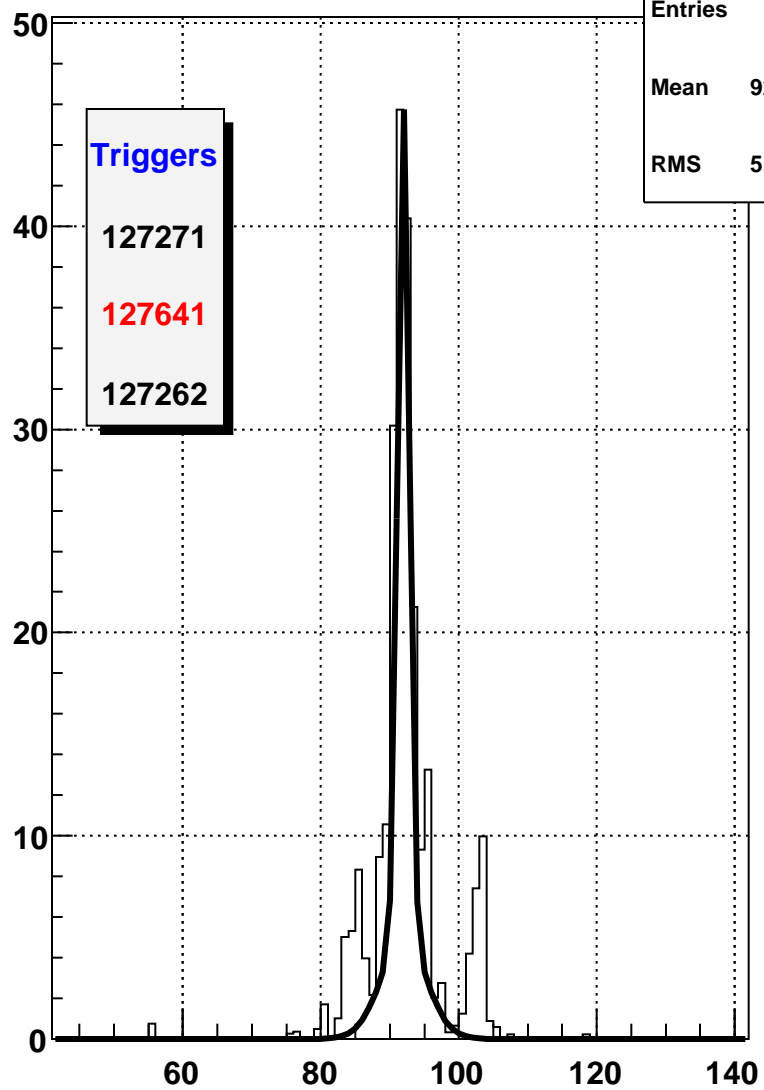
Entries	19
Mean	85.48
RMS	4.352



Run=7099046, Event=2130

**hSmdu**

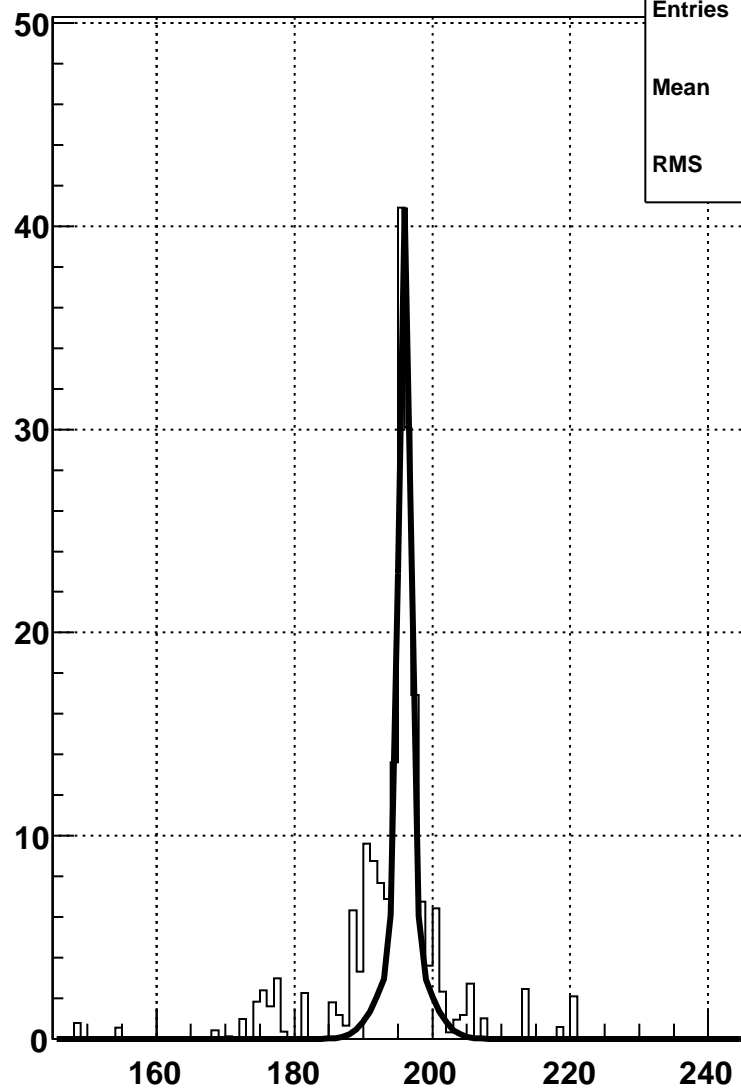
Entries	32
Mean	92.25
RMS	5.208



$p_T=8.9$  GeV,  $E=17.8$  GeV

**hSmdv**

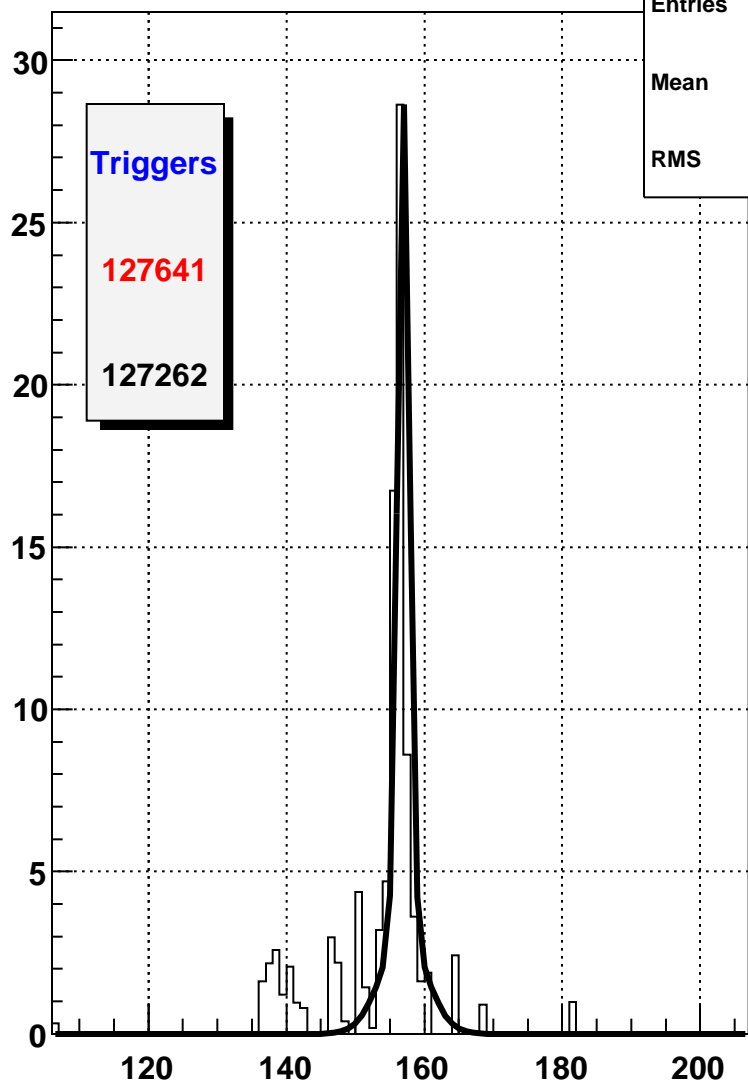
Entries	37
Mean	194.4
RMS	7.838



Run=7099046, Event=8723

**hSmdu**

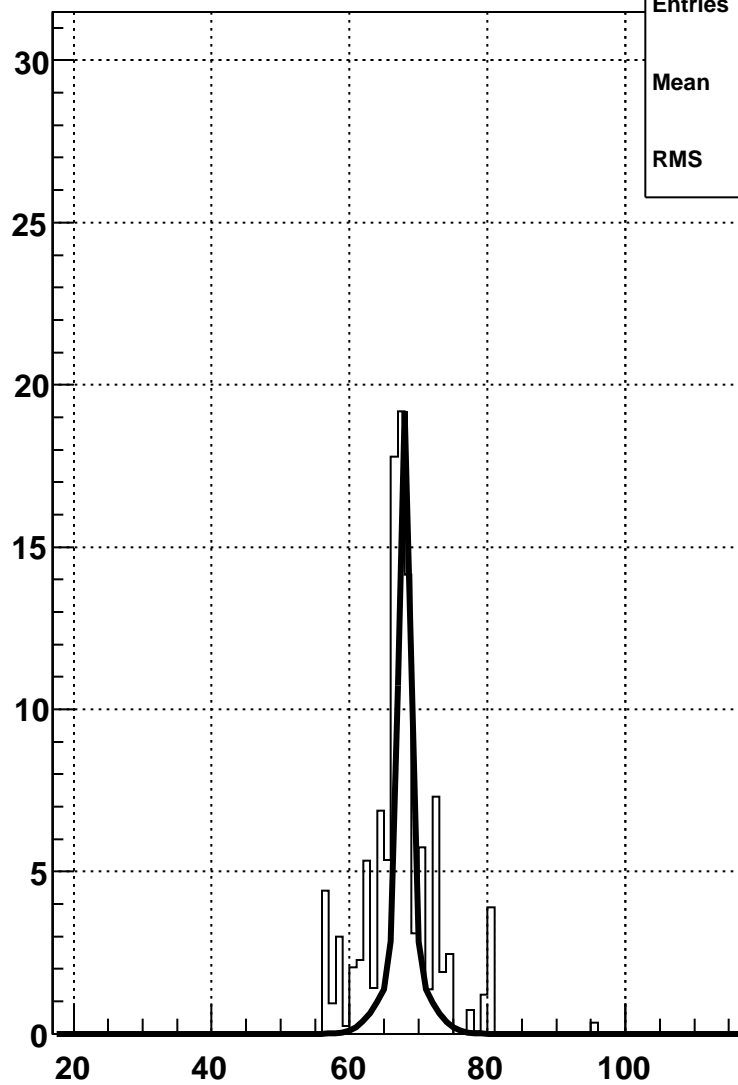
Entries	26
Mean	153.8
RMS	7.531



$p_T=6.6$  GeV,  $E=12.8$  GeV

**hSmdv**

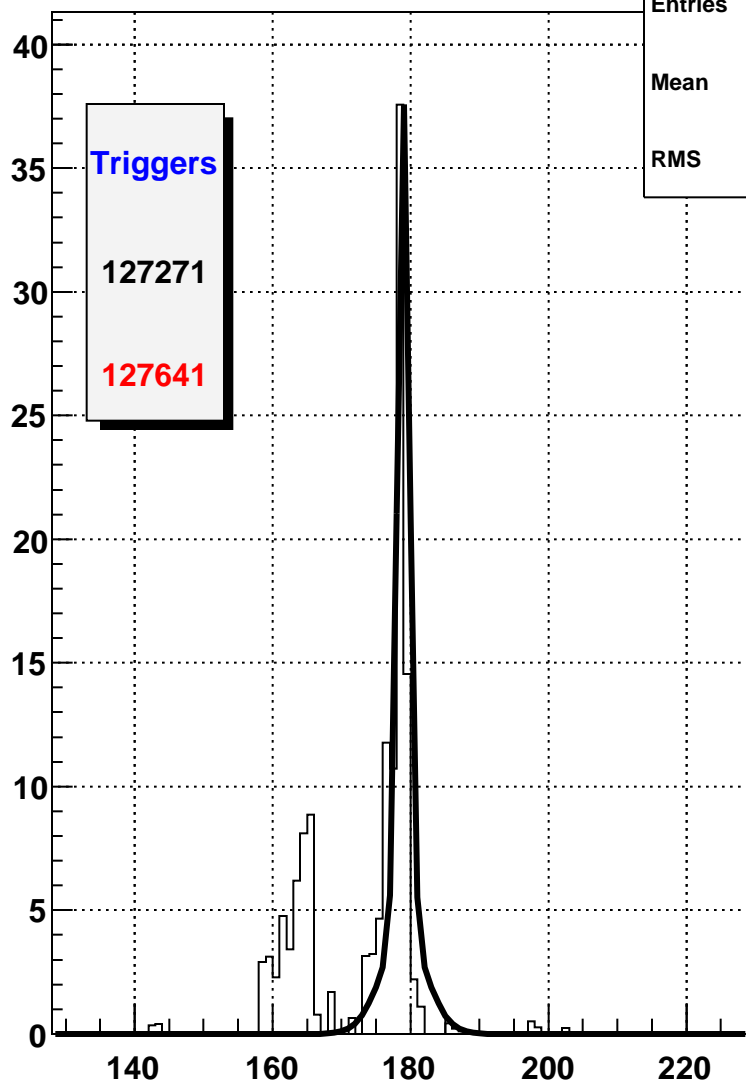
Entries	24
Mean	67.45
RMS	5.178



Run=7099046, Event=10925

**hSmdu**

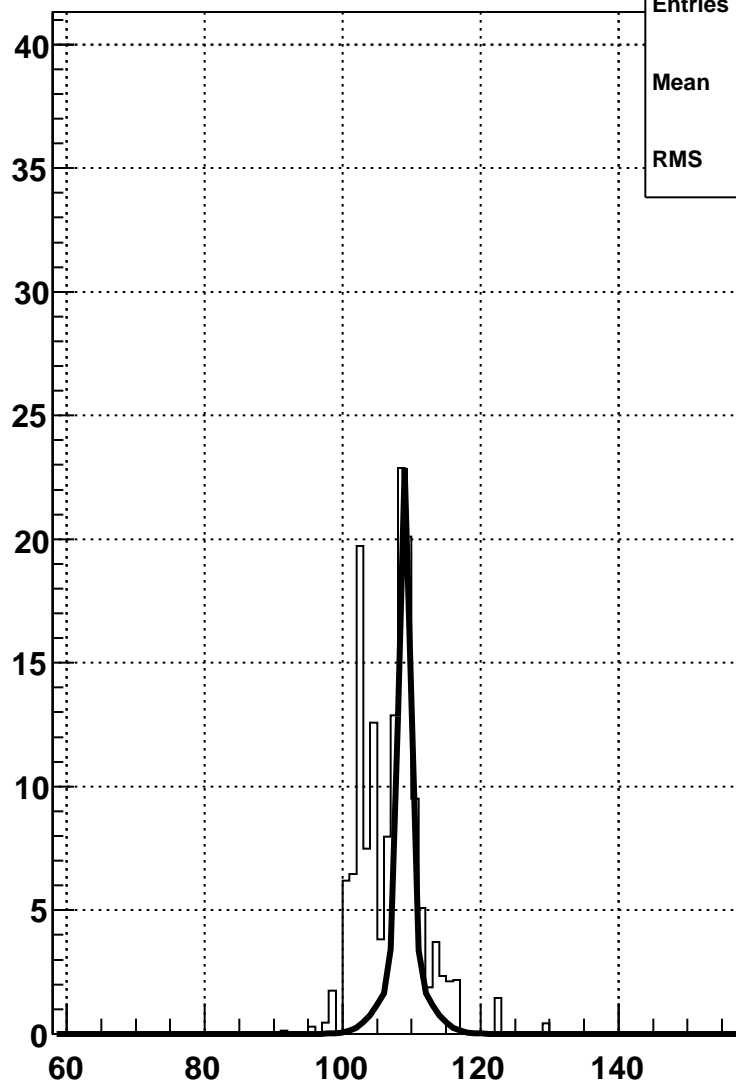
Entries	28
Mean	173.3
RMS	7.766



$p_T=6.4$  GeV,  $E=15.0$  GeV

**hSmdv**

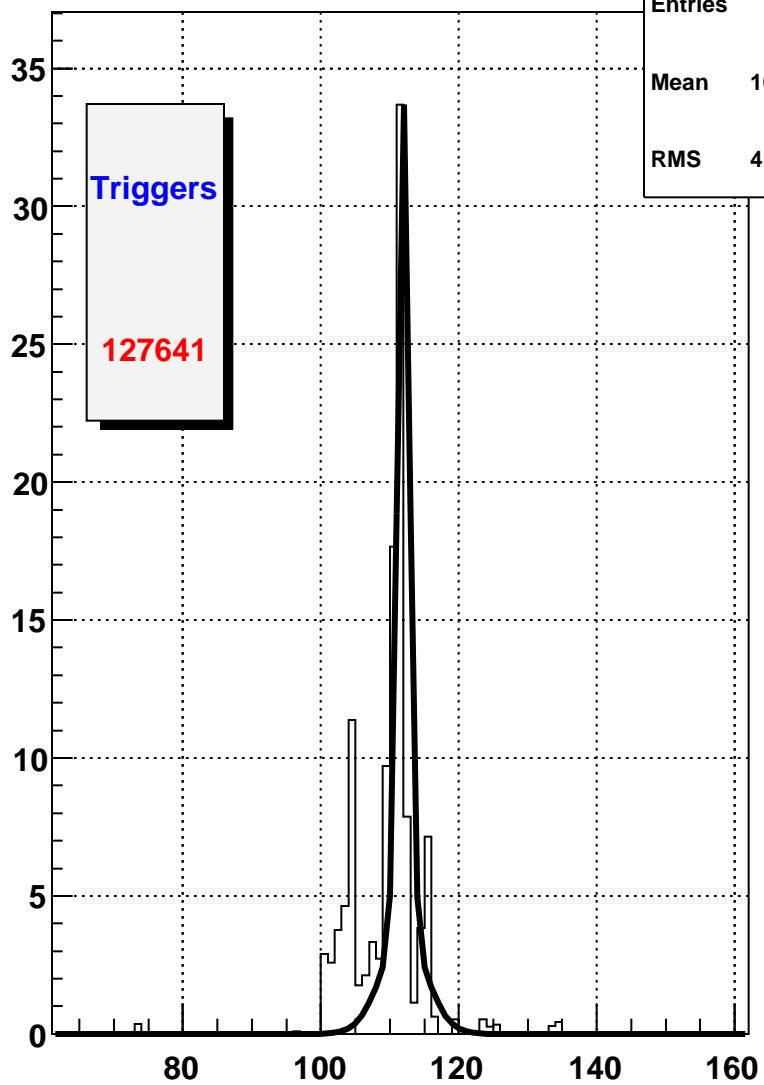
Entries	24
Mean	107.1
RMS	4.415



Run=7099046, Event=12104

**hSmdu**

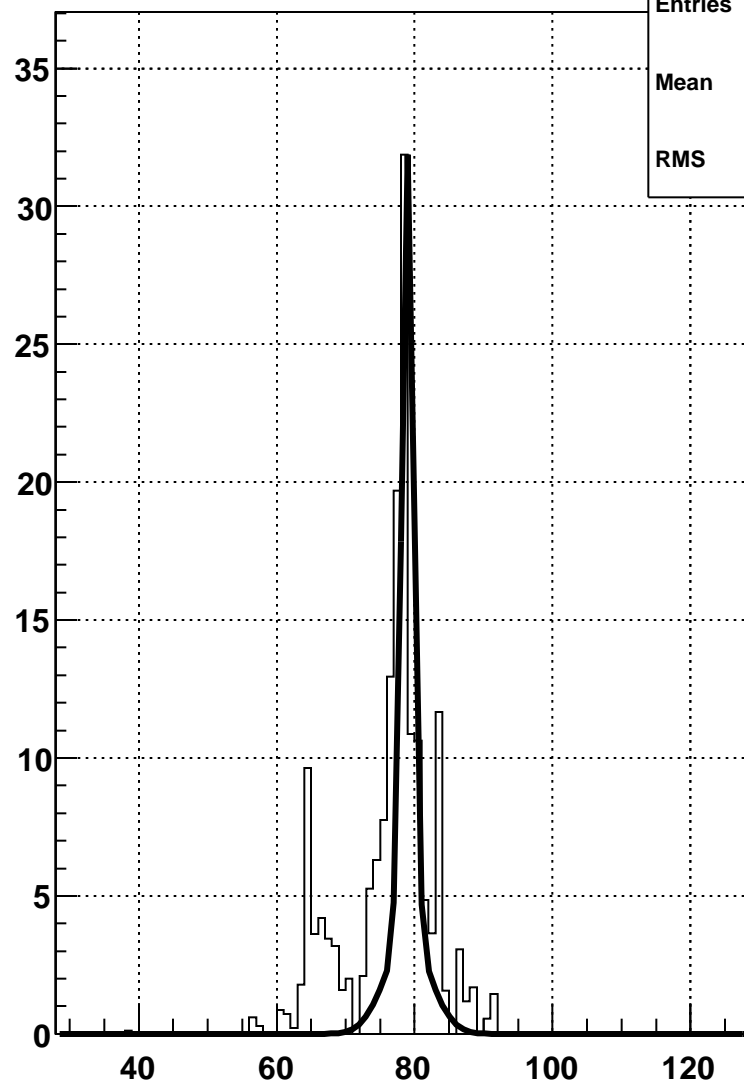
Entries	25
Mean	109.7
RMS	4.947



$p_T=7.6$  GeV,  $E=18.7$  GeV

**hSmdv**

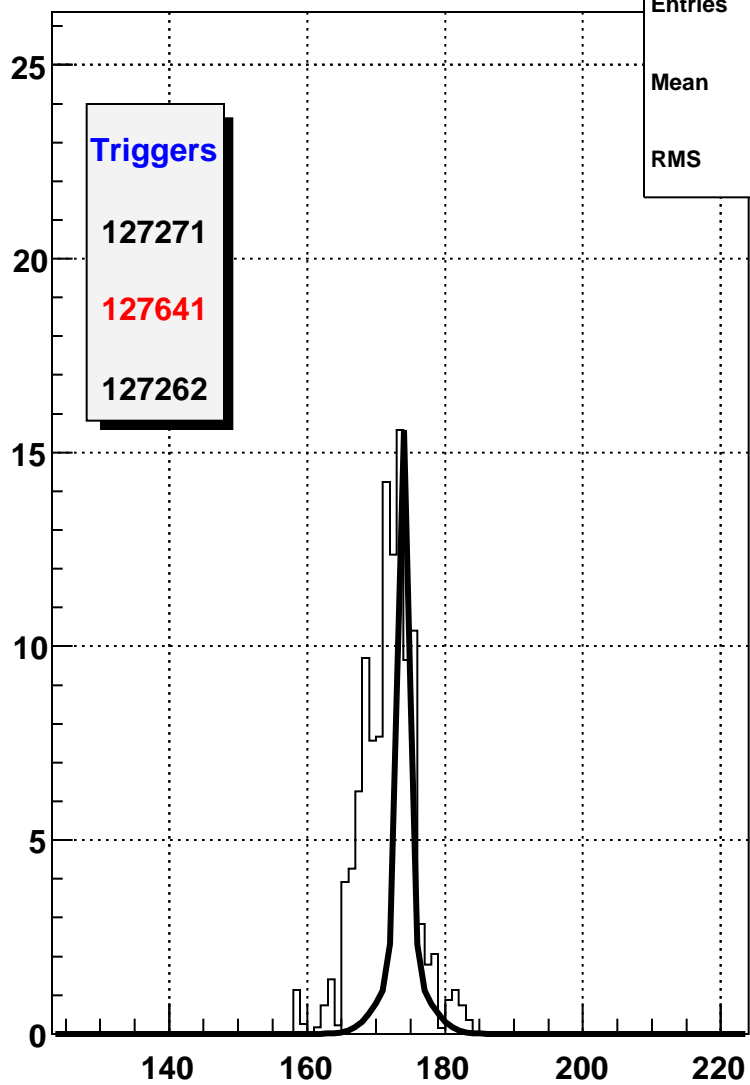
Entries	32
Mean	76.48
RMS	6.291



Run=7099046, Event=30942

**hSmdu**

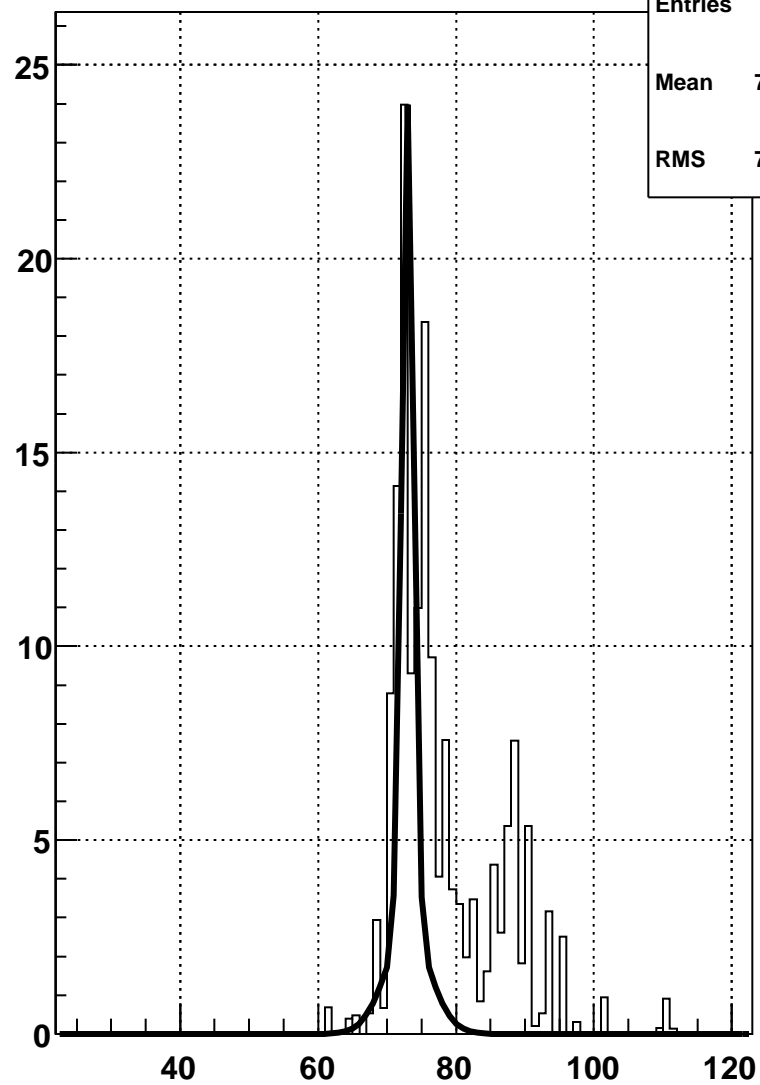
Entries	33
Mean	171.7
RMS	3.935



$p_T=6.1$  GeV,  $E=15.7$  GeV

**hSmdv**

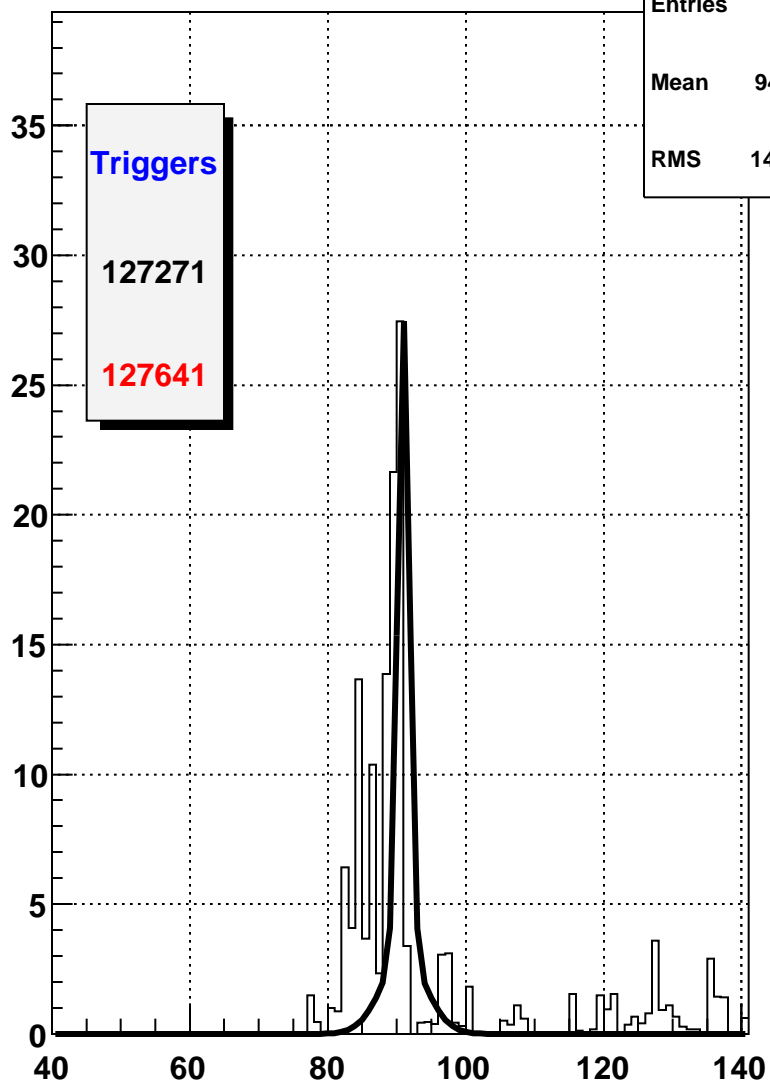
Entries	54
Mean	78.03
RMS	7.663



Run=7099046, Event=30986

**hSmdu**

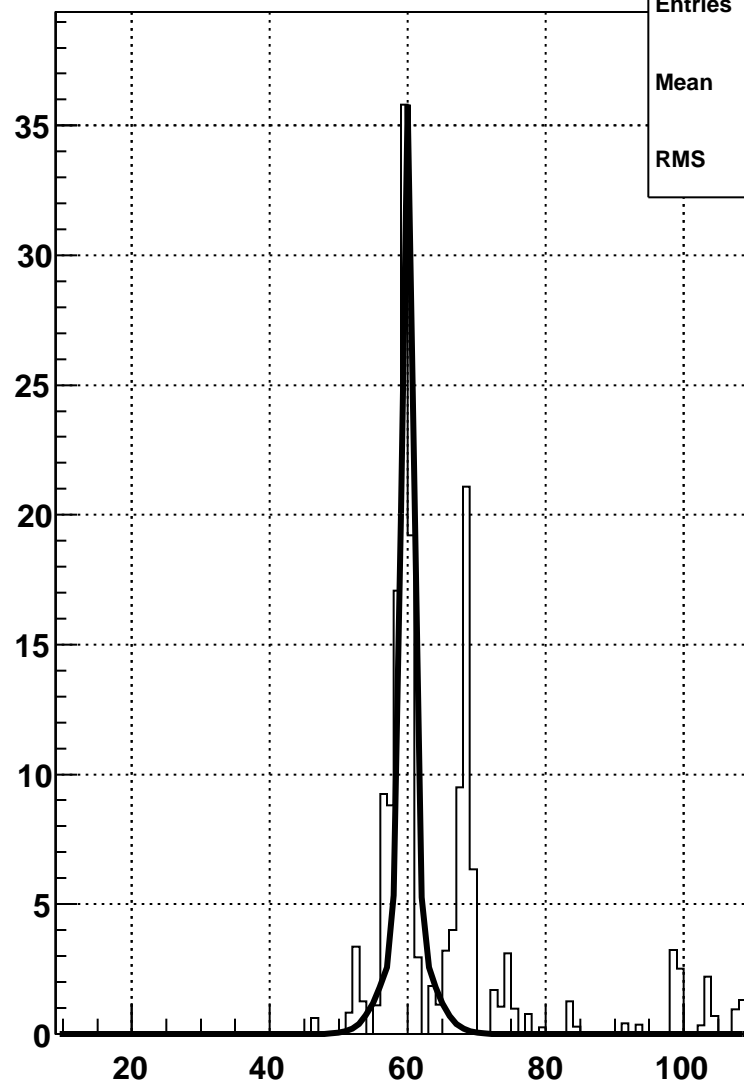
Entries	48
Mean	94.61
RMS	14.84



$p_T=7.7$  GeV,  $E=21.6$  GeV

**hSmdv**

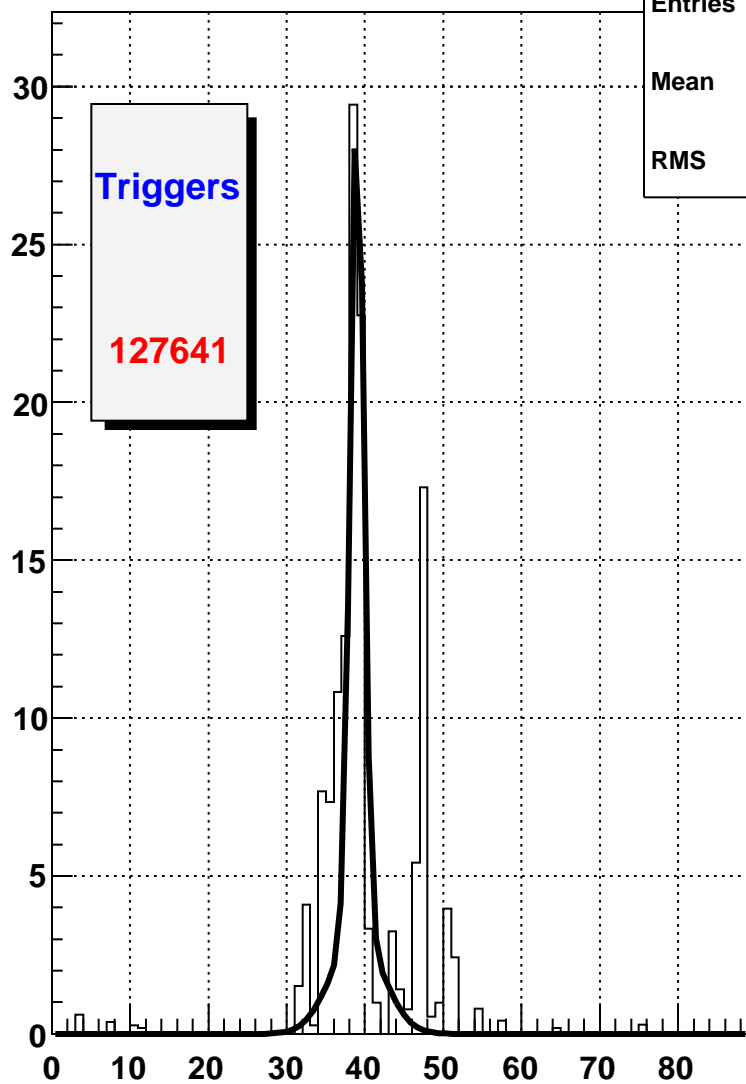
Entries	39
Mean	65.72
RMS	12.43



Run=7099046, Event=31120

**hSmdu**

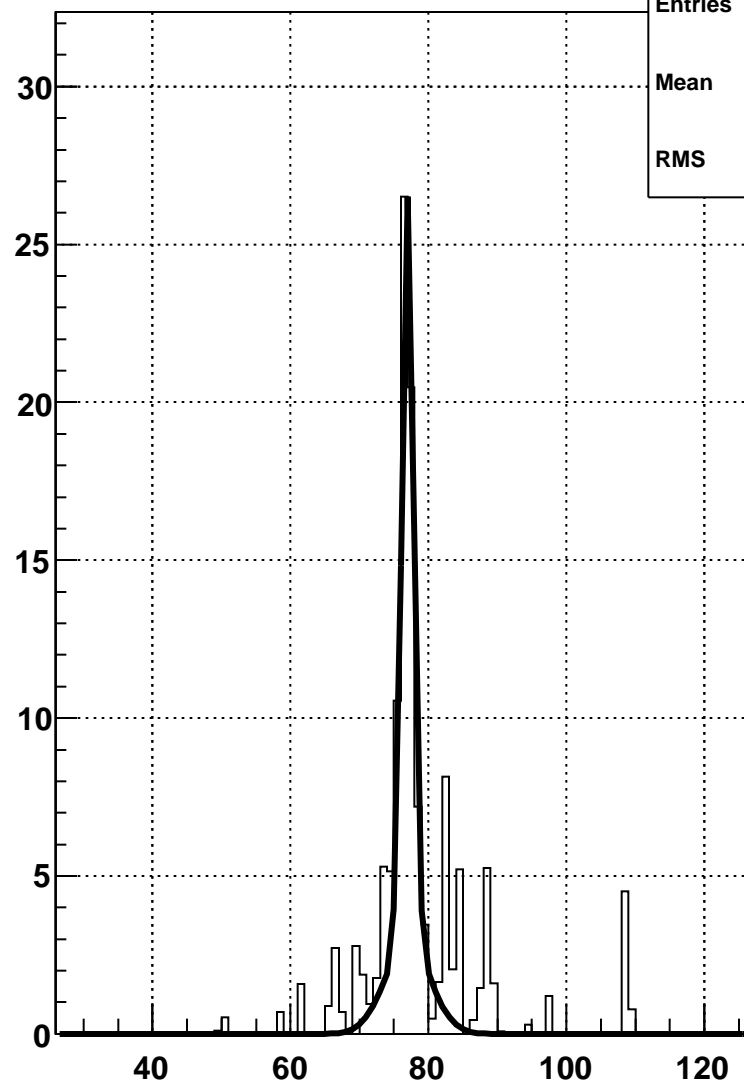
Entries	28
Mean	40.1
RMS	6.31



$p_T=5.3$  GeV,  $E=17.3$  GeV

**hSmdv**

Entries	32
Mean	78.8
RMS	8.584

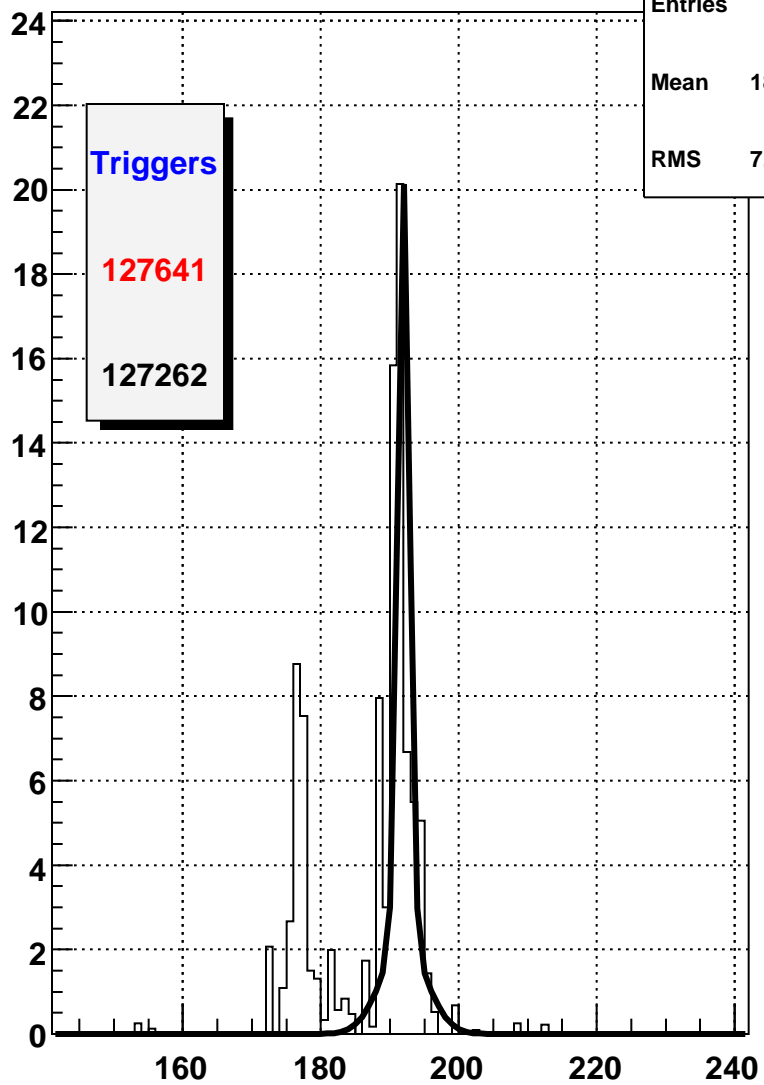




Run=7099046, Event=31403

**hSmdu**

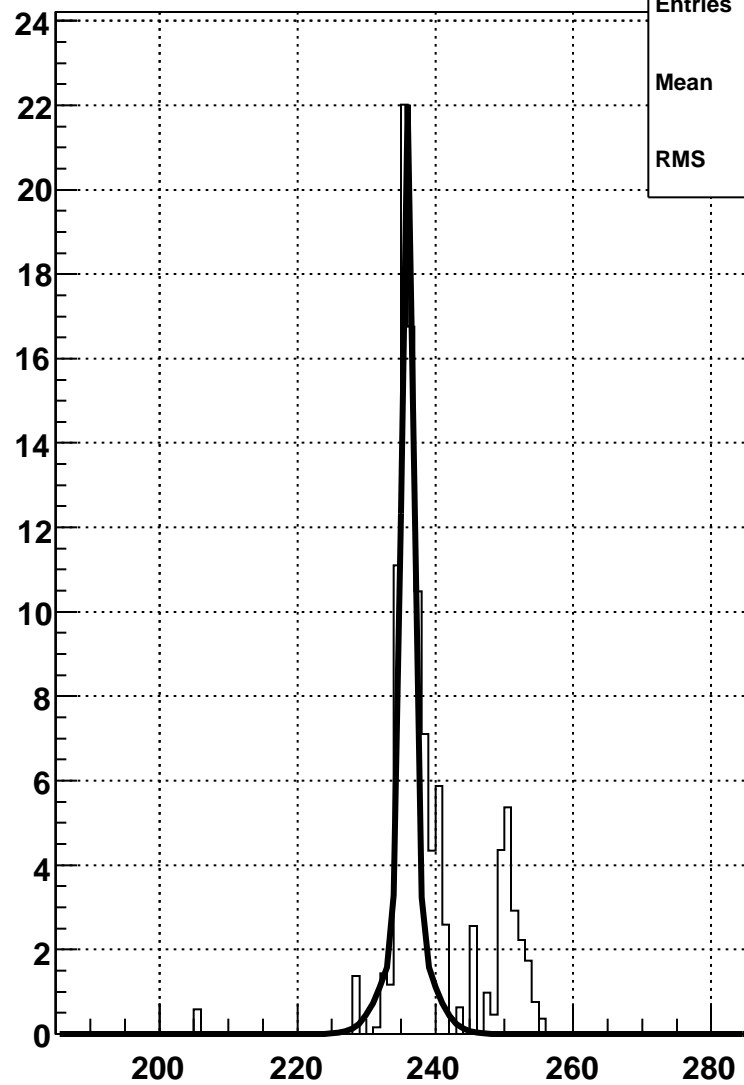
Entries	29
Mean	187.2
RMS	7.239



$p_T=5.3$  GeV,  $E=9.3$  GeV

**hSmdv**

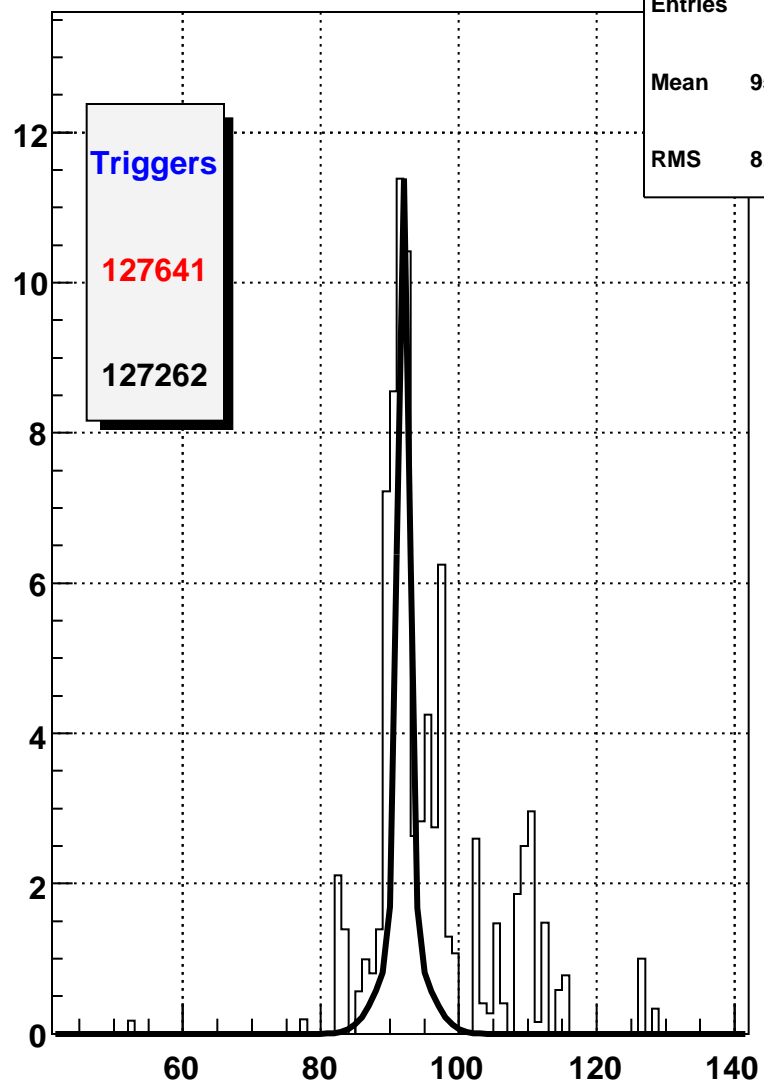
Entries	25
Mean	239.2
RMS	6.529



Run=7099046, Event=31931

**hSmdu**

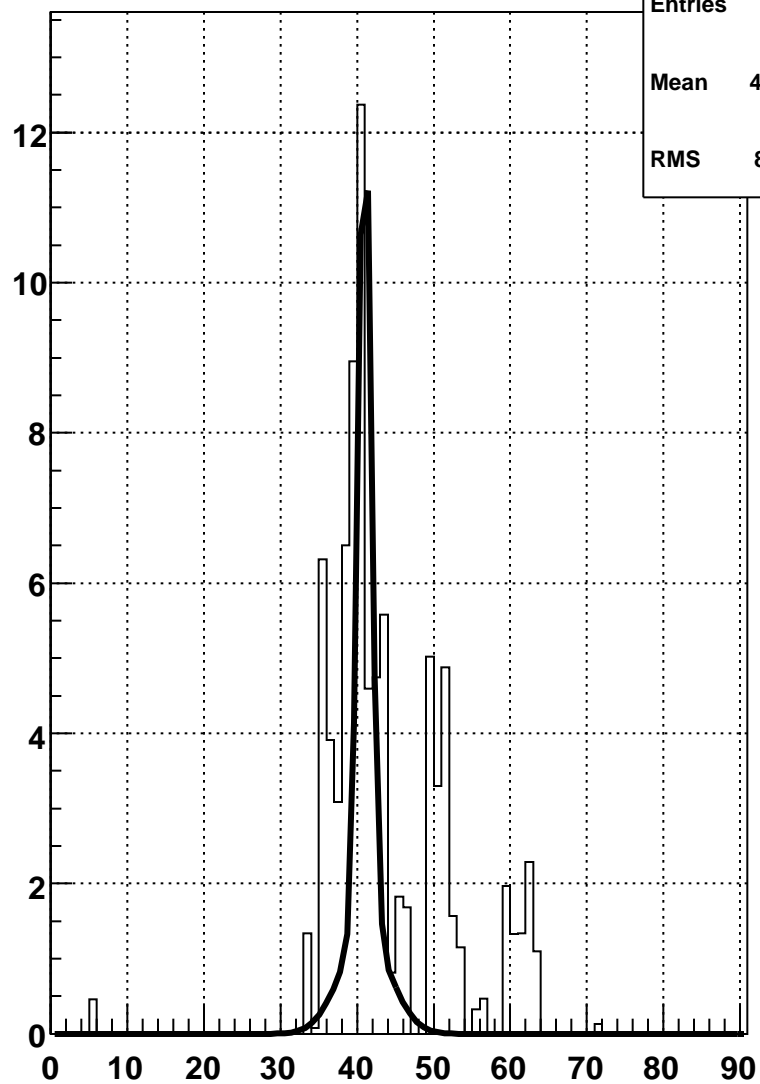
Entries	33
Mean	95.62
RMS	8.626



$p_T=5.6$  GeV,  $E=20.1$  GeV

**hSmdv**

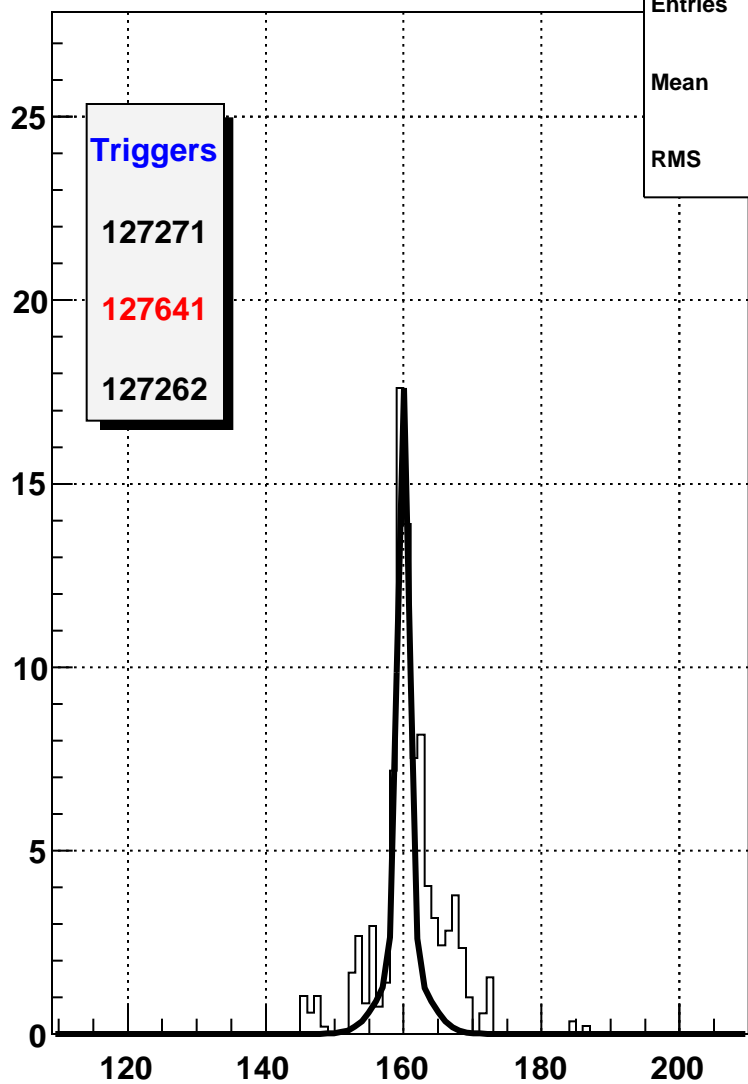
Entries	28
Mean	43.93
RMS	8.071



Run=7099046, Event=32390

**hSmdu**

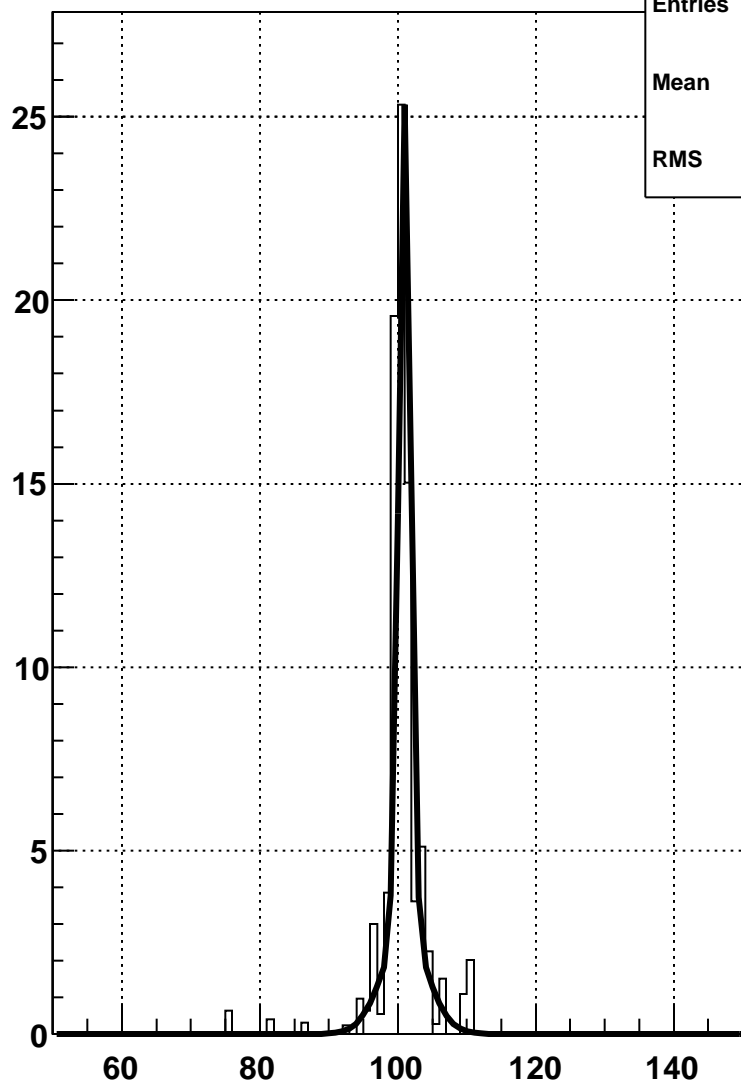
Entries	26
Mean	160.9
RMS	5.038



$p_T=6.8$  GeV,  $E=12.8$  GeV

**hSmdv**

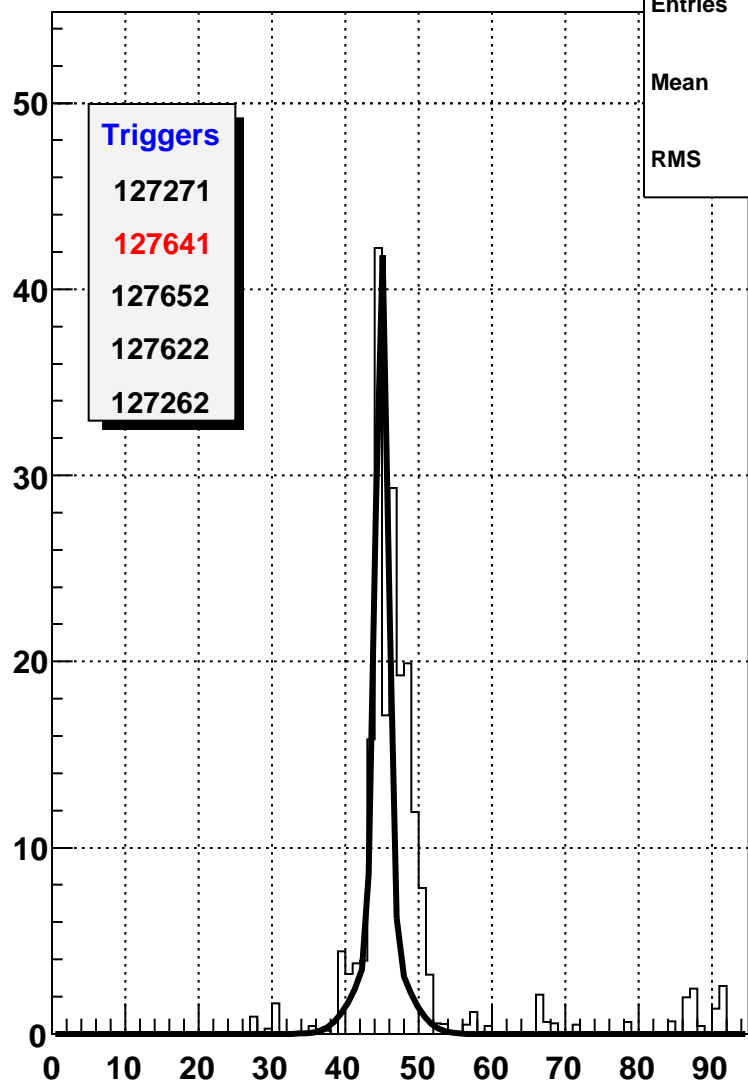
Entries	19
Mean	100.6
RMS	3.739



Run=7099046, Event=32944

**hSmdu**

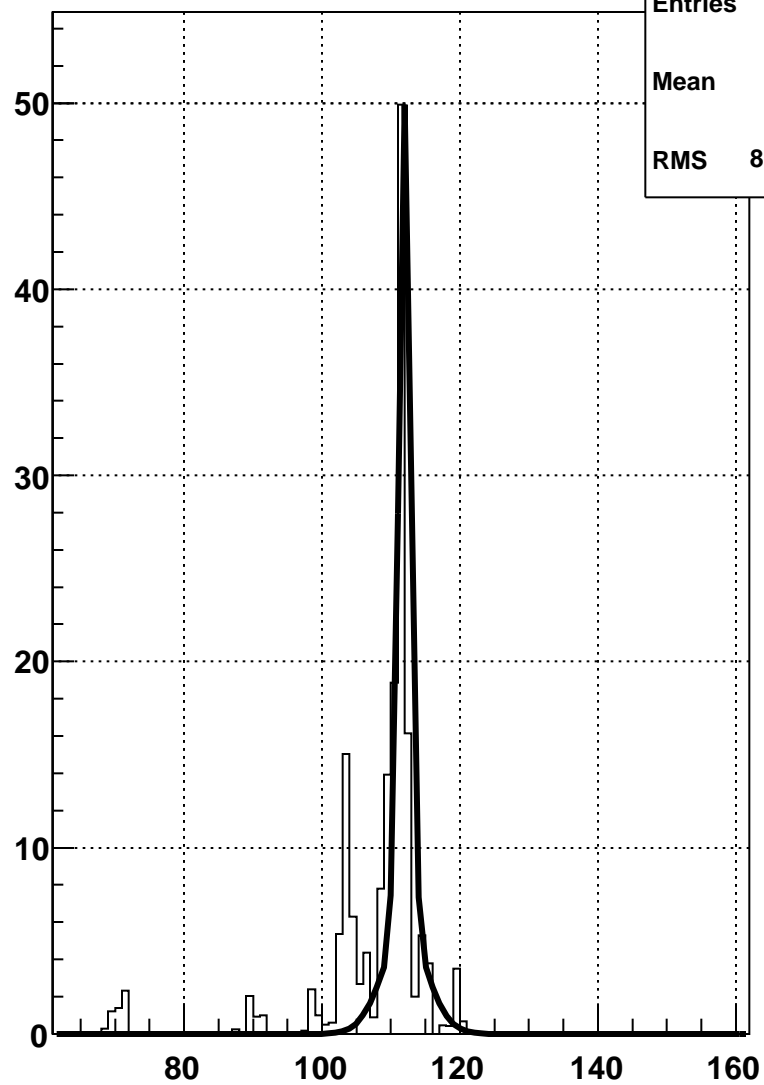
Entries	49
Mean	48.4
RMS	10.19



$p_T=7.4$  GeV,  $E=27.4$  GeV

**hSmdv**

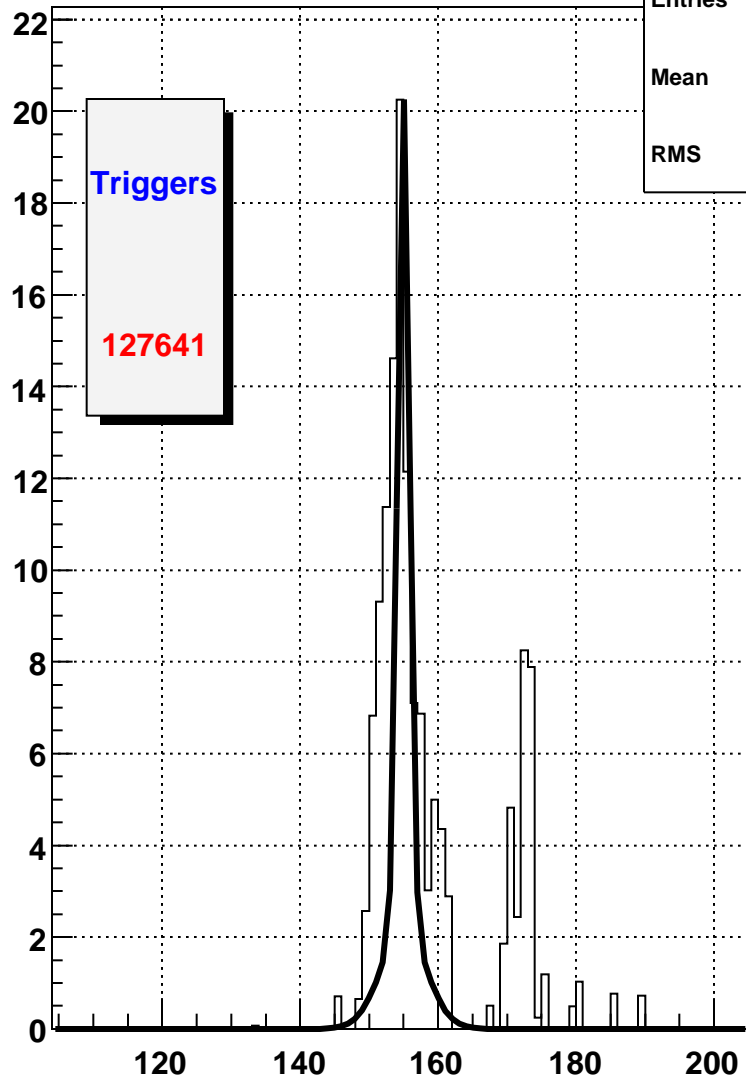
Entries	51
Mean	108
RMS	8.331



Run=7099046, Event=24225

**hSmdu**

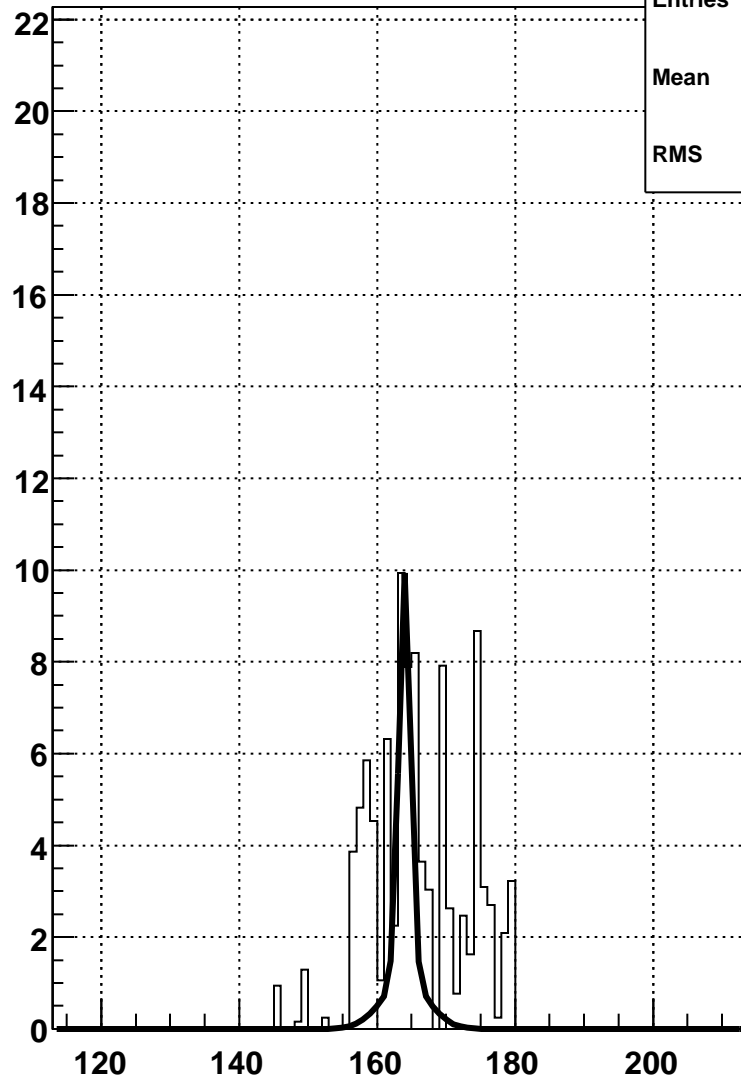
Entries	28
Mean	158.7
RMS	8.406



$p_T=5.3$  GeV,  $E=12.7$  GeV

**hSmdv**

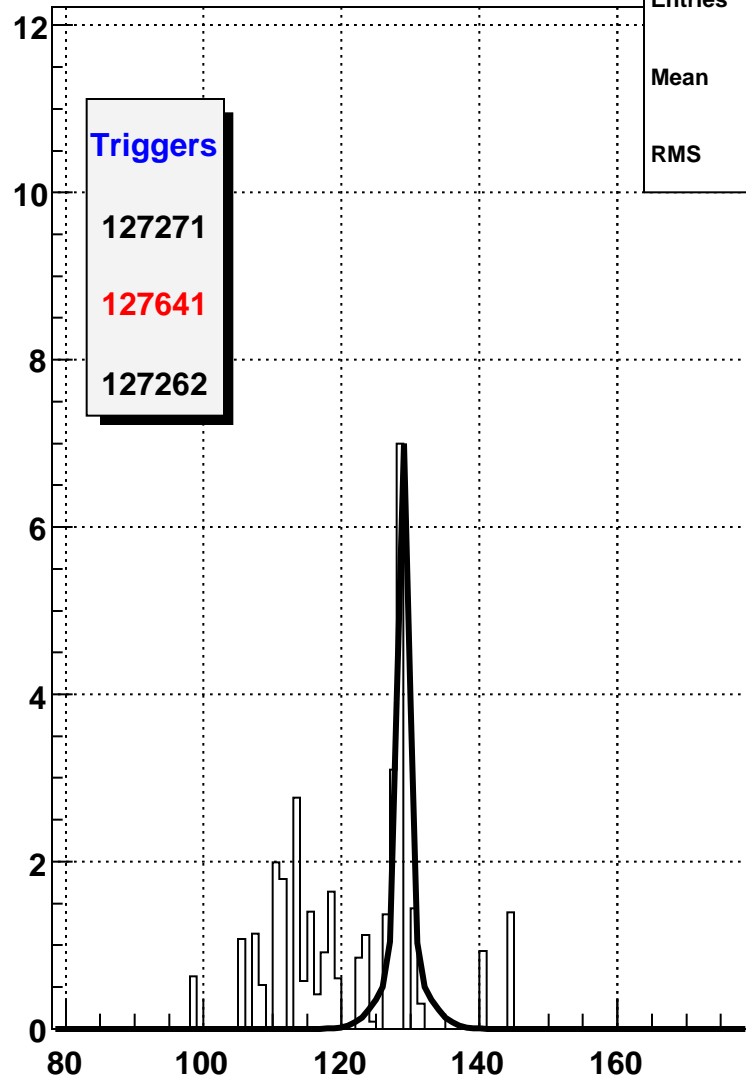
Entries	27
Mean	166
RMS	6.982



Run=7099046, Event=25147

**hSmdu**

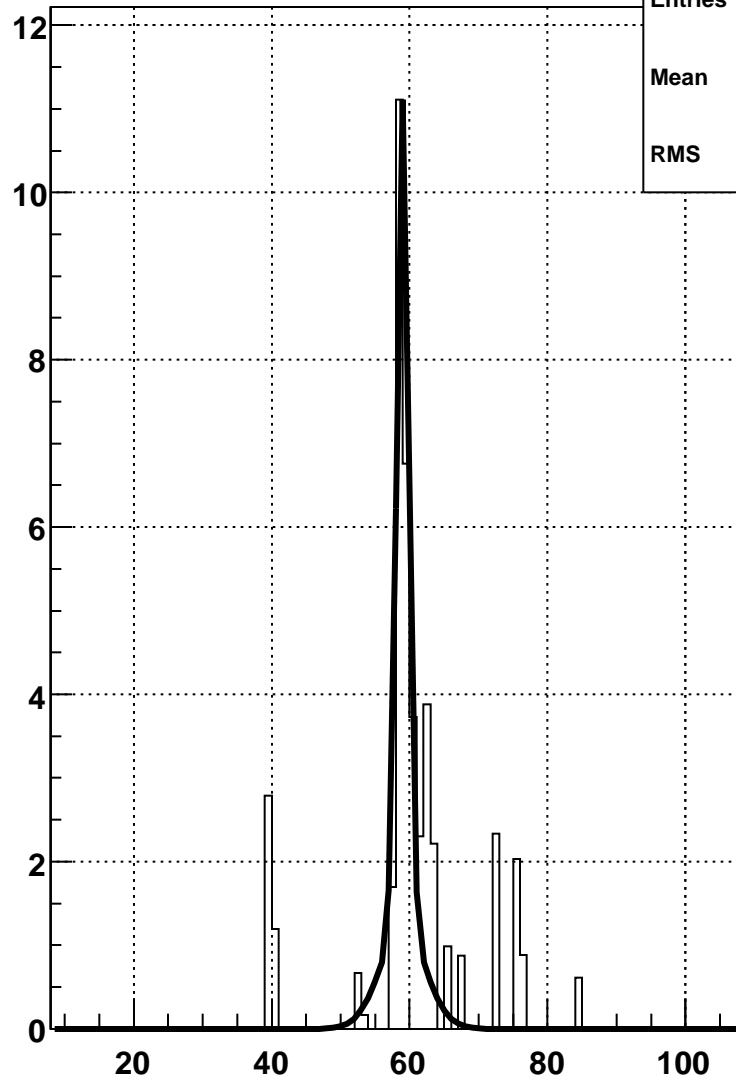
Entries	23
Mean	121.6
RMS	10.07



$p_T=5.5$  GeV,  $E=14.4$  GeV

**hSmdv**

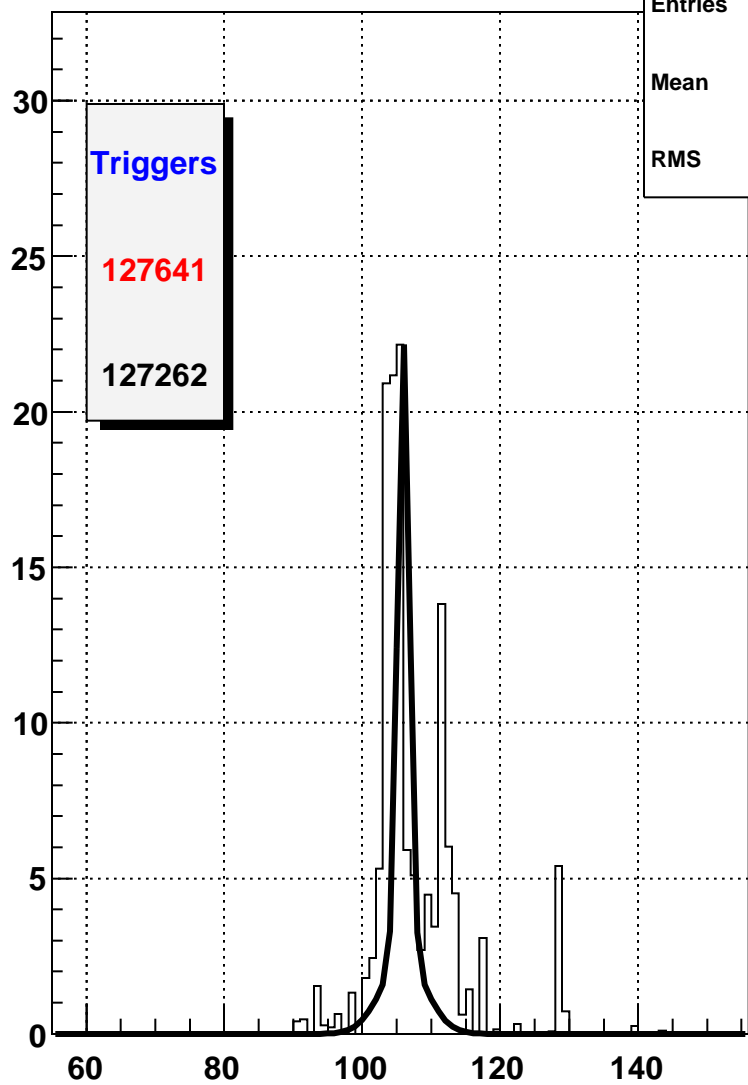
Entries	17
Mean	60.32
RMS	8.637



Run=7099046, Event=26854

**hSmdu**

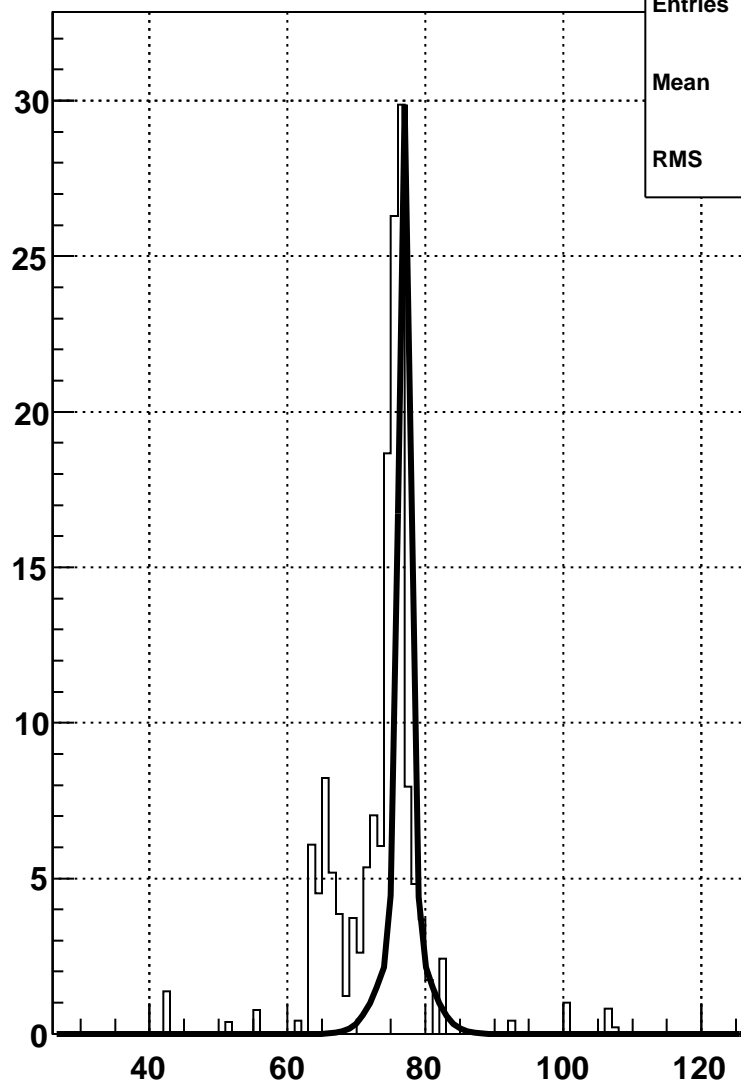
Entries	31
Mean	107.6
RMS	6.619



$p_T=5.1$  GeV,  $E=15.0$  GeV

**hSmdv**

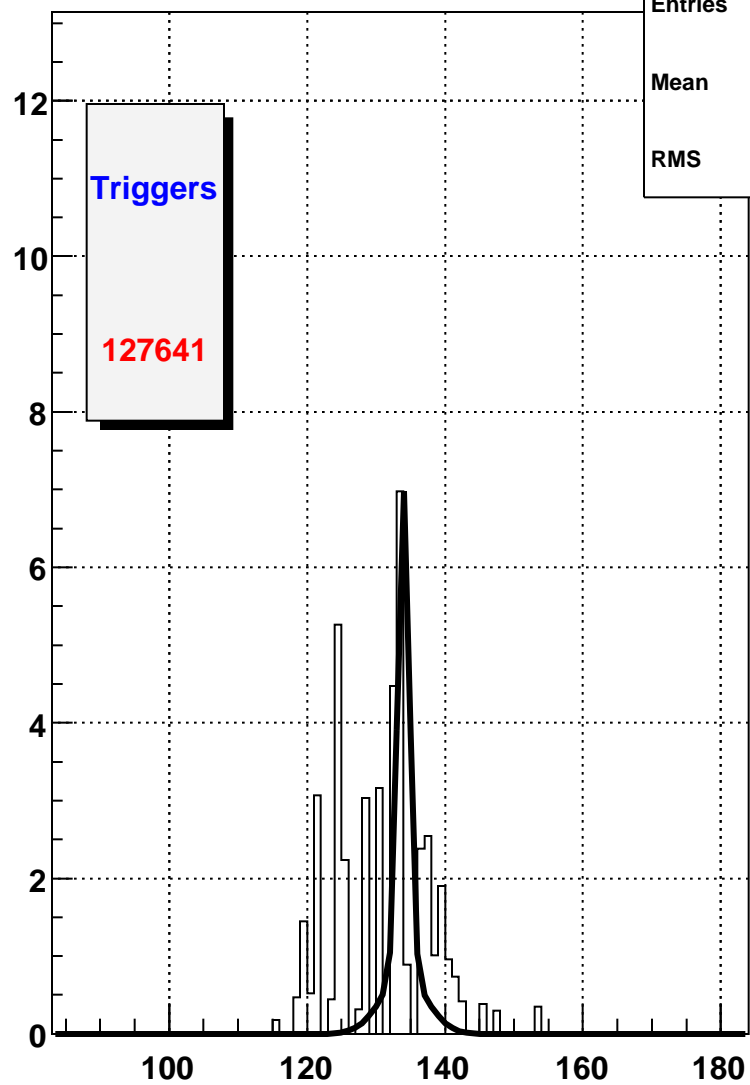
Entries	27
Mean	73.49
RMS	6.681



Run=7099046, Event=26876

**hSmdu**

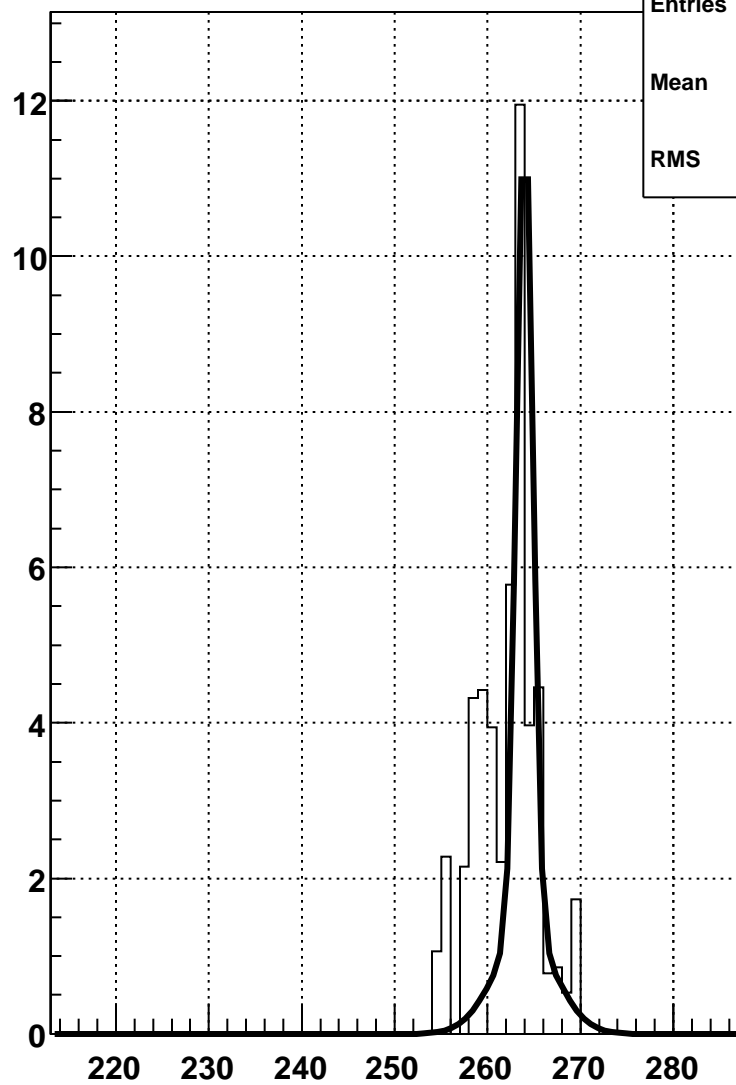
Entries	38
Mean	131
RMS	6.749



$p_T=6.8$  GeV,  $E=9.7$  GeV

**hSmdv**

Entries	29
Mean	262.1
RMS	3.326

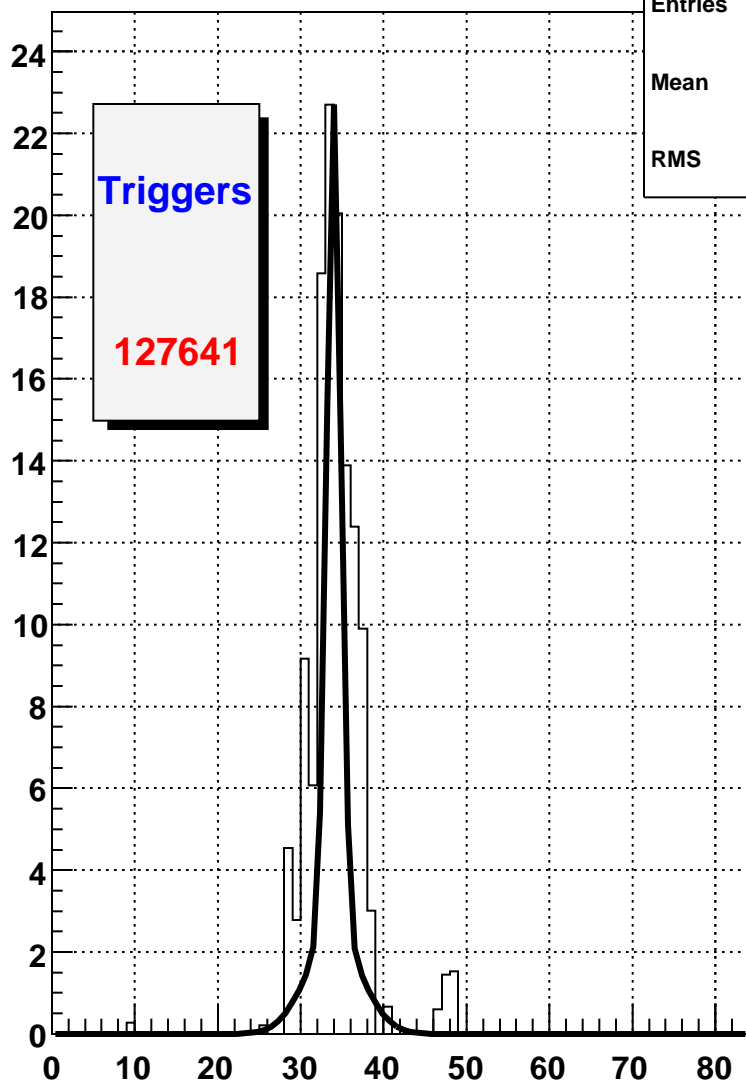




Run=7099046, Event=27673

**hSmdu**

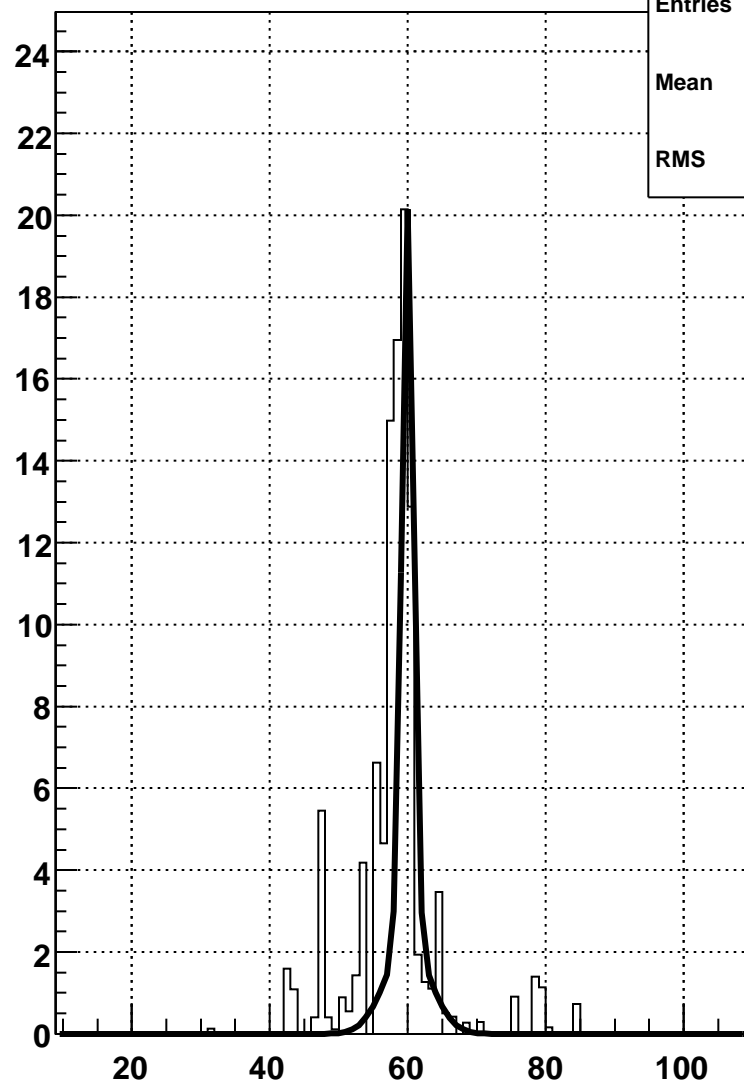
Entries	17
Mean	34.24
RMS	3.507



$p_T=6.2$  GeV,  $E=16.9$  GeV

**hSmdv**

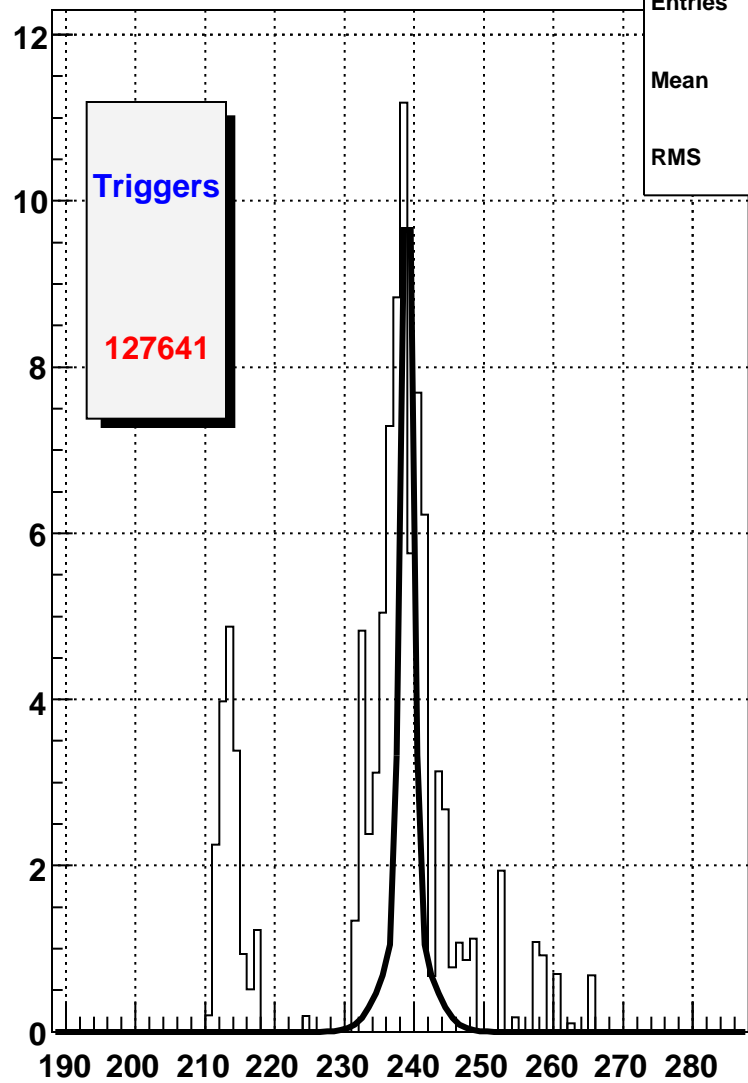
Entries	30
Mean	58.37
RMS	6.239



Run=7099046, Event=28126

**hSmdu**

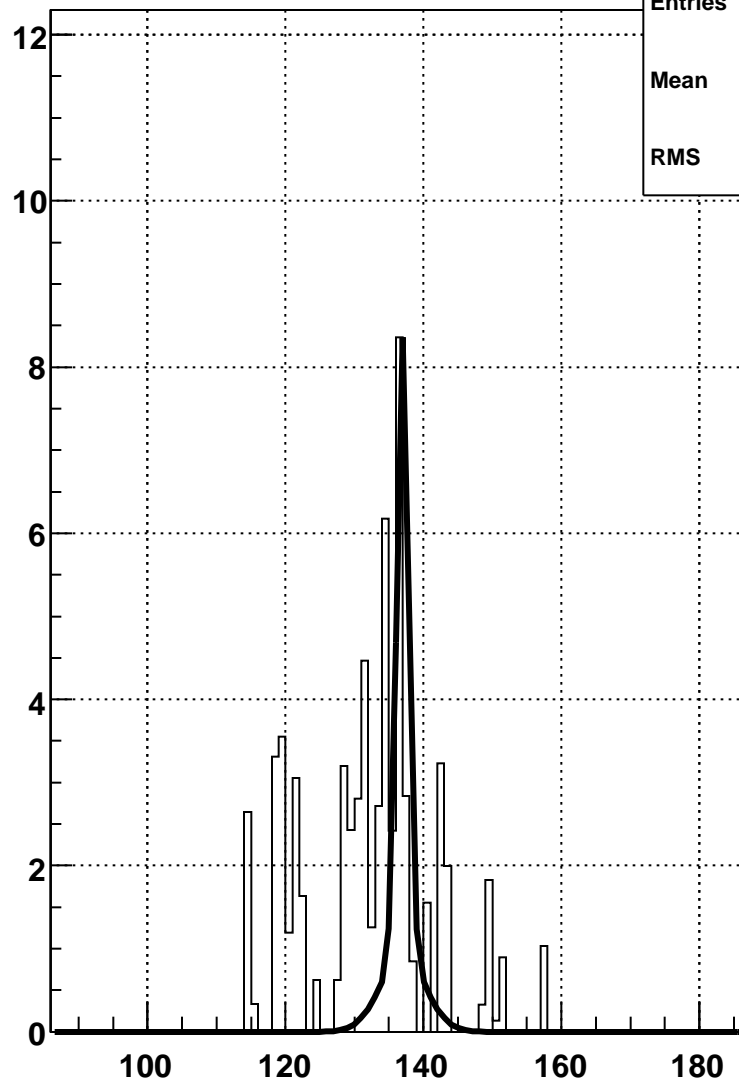
Entries	46
Mean	235.2
RMS	11.48



$p_T=8.2$  GeV,  $E=13.2$  GeV

**hSmdv**

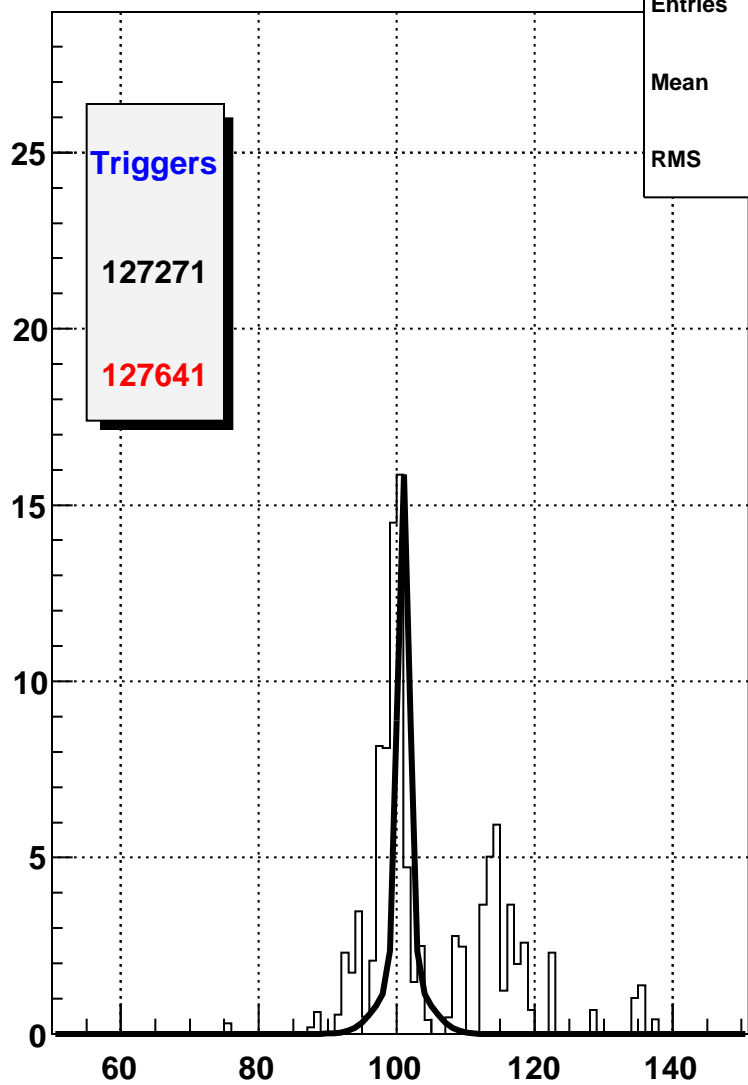
Entries	44
Mean	132.1
RMS	9.263



Run=7099046, Event=28301

**hSmdu**

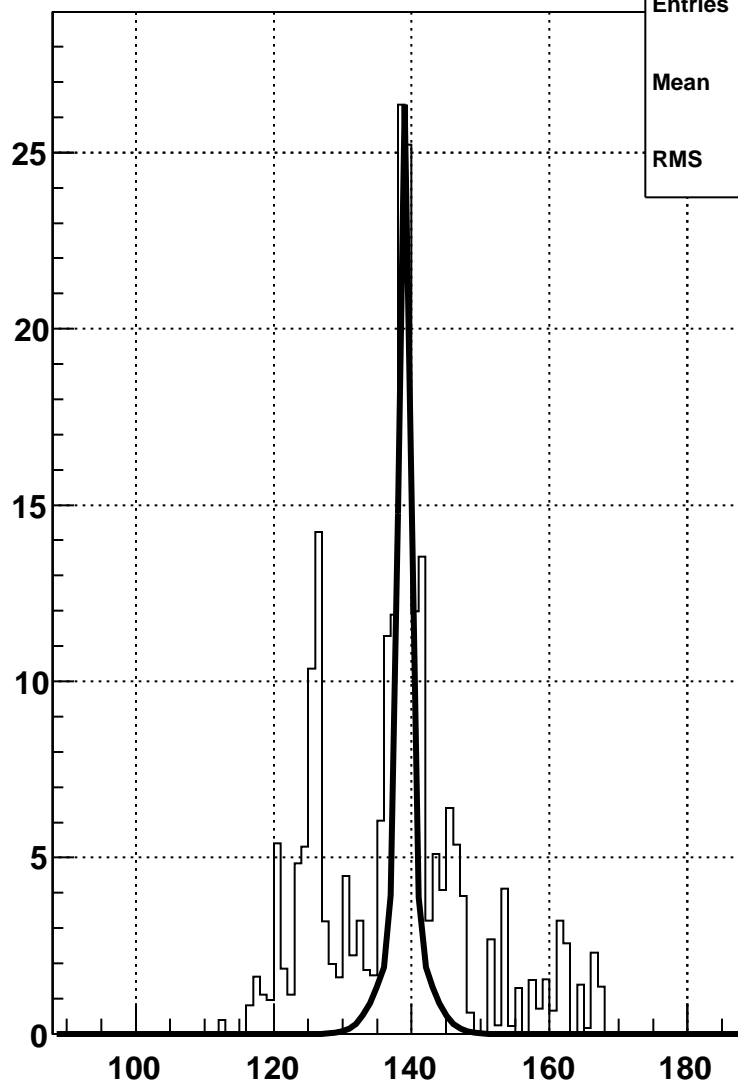
Entries	33
Mean	104.9
RMS	9.725



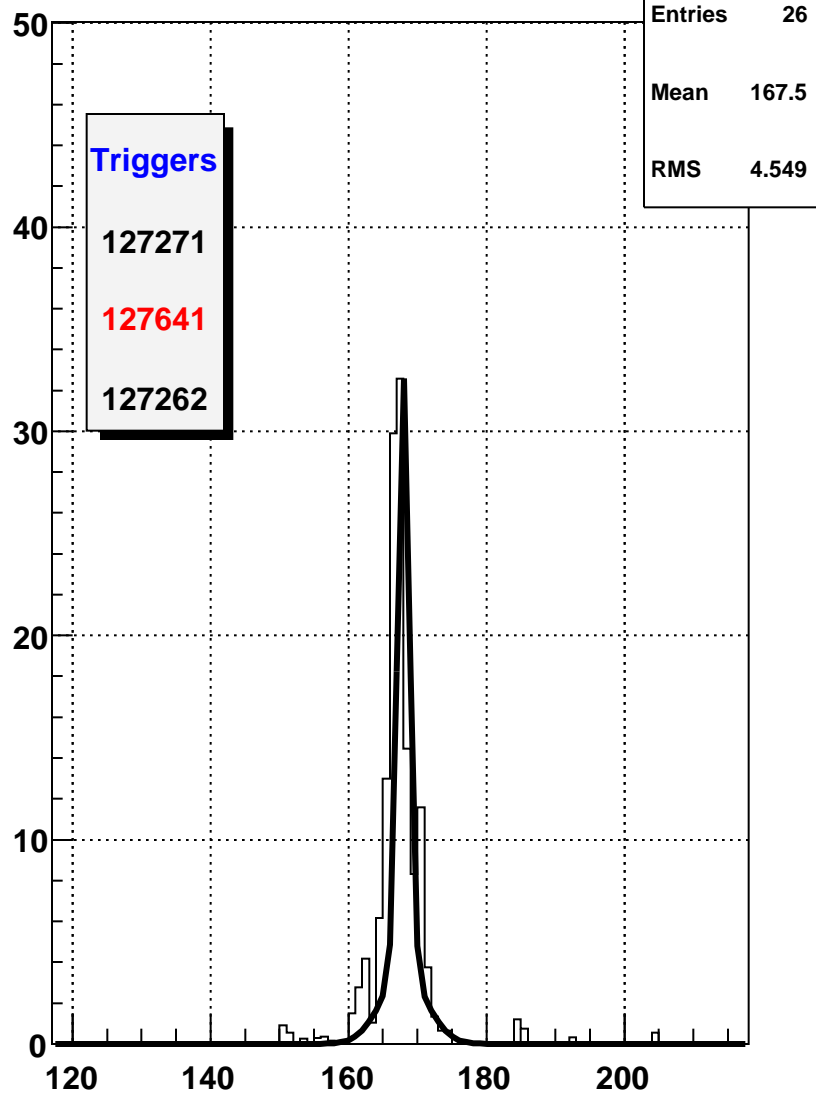
$p_T=6.4$  GeV,  $E=12.2$  GeV

**hSmdv**

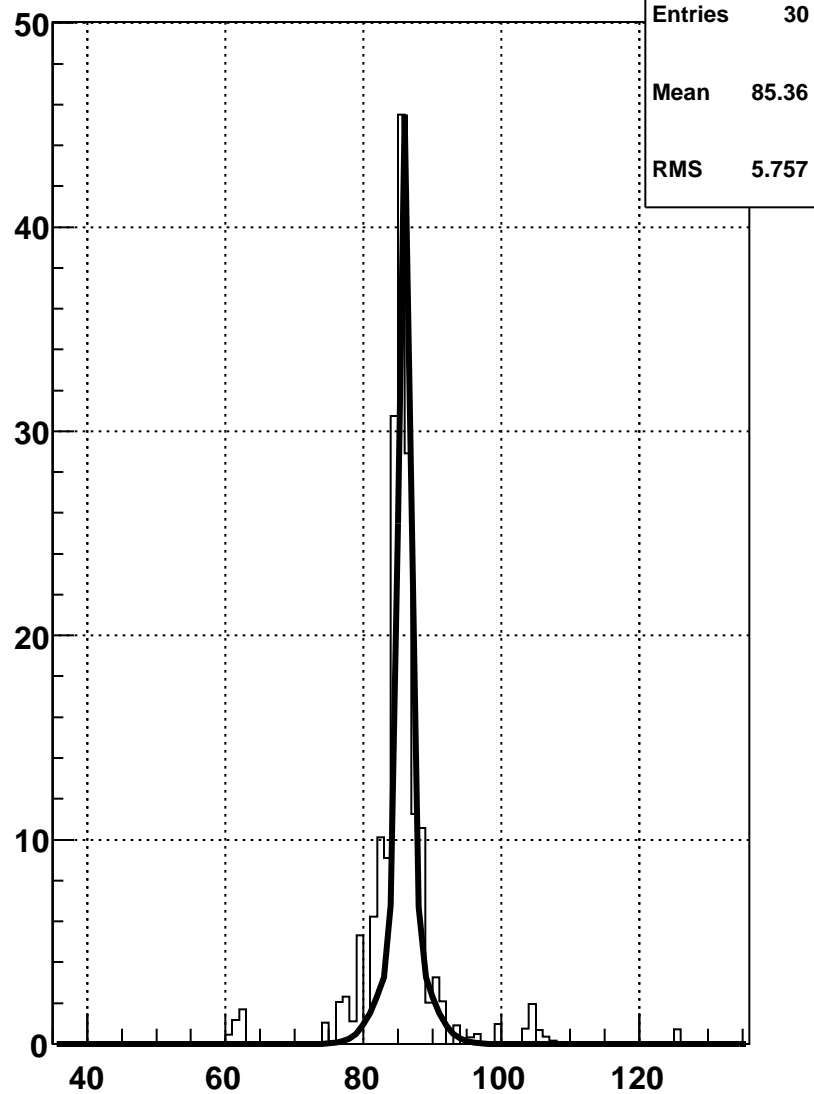
Entries	49
Mean	137.9
RMS	10.37



Run=7099046, Event=28812



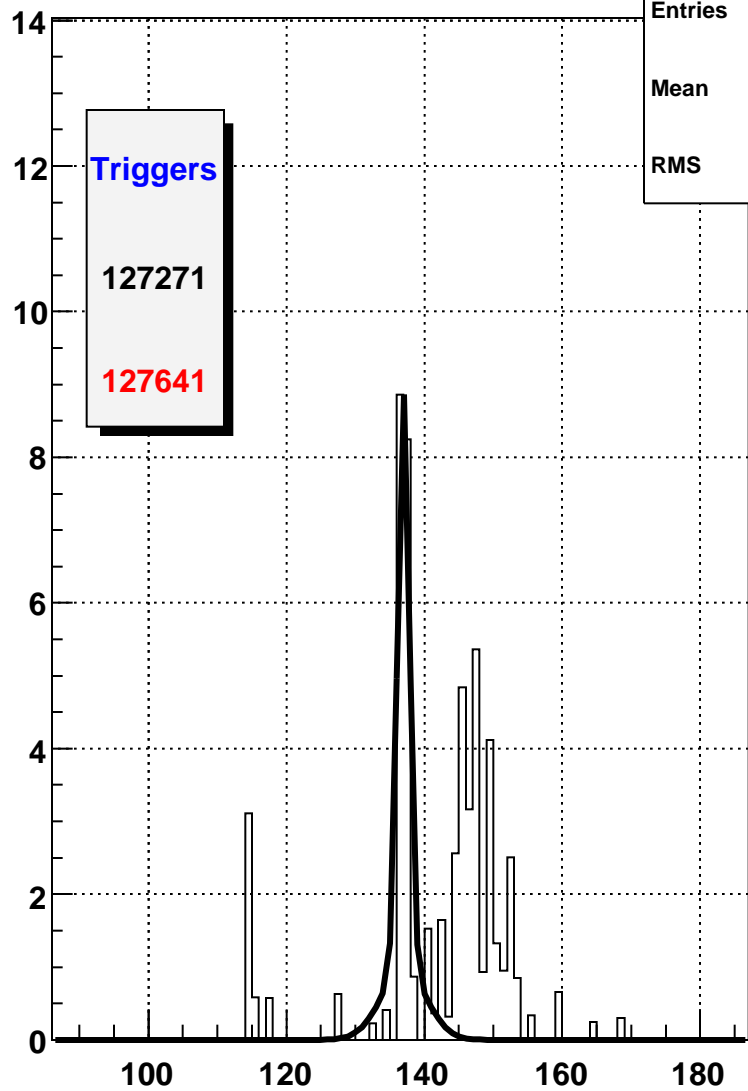
$p_T=7.8$  GeV,  $E=18.8$  GeV



Run=7099046, Event=29867

**hSmdu**

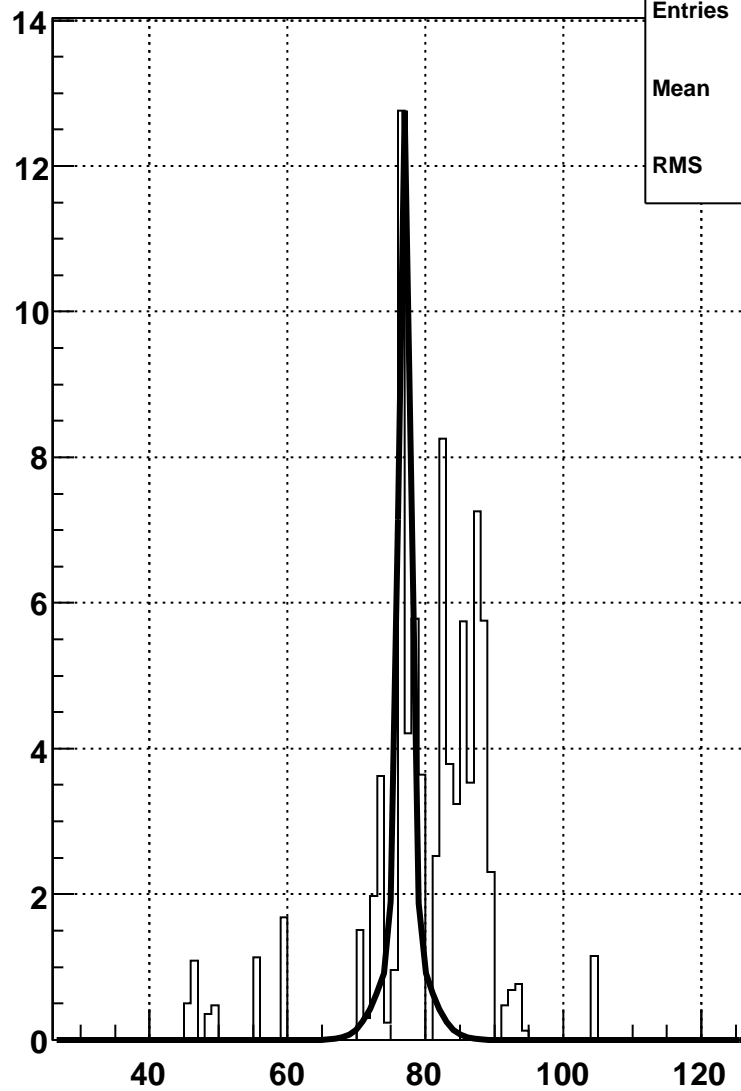
Entries	27
Mean	141.5
RMS	9.921



$p_T=5.9$  GeV,  $E=12.8$  GeV

**hSmdv**

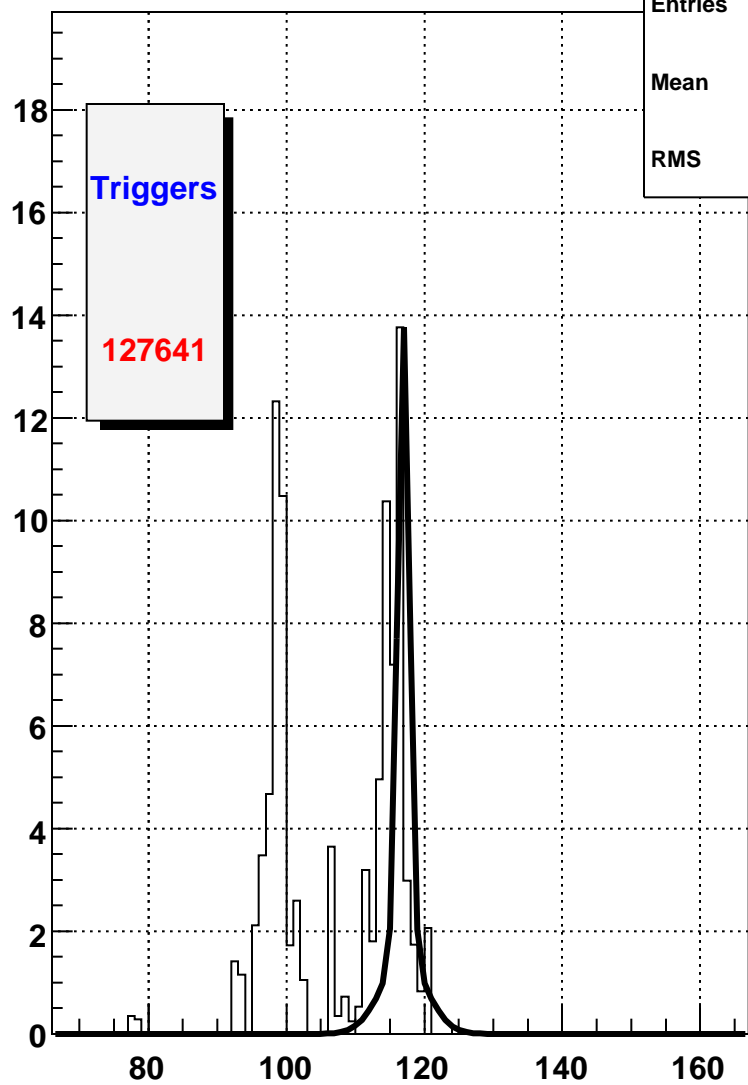
Entries	30
Mean	80.21
RMS	9.152



Run=7099046, Event=30027

**hSmdu**

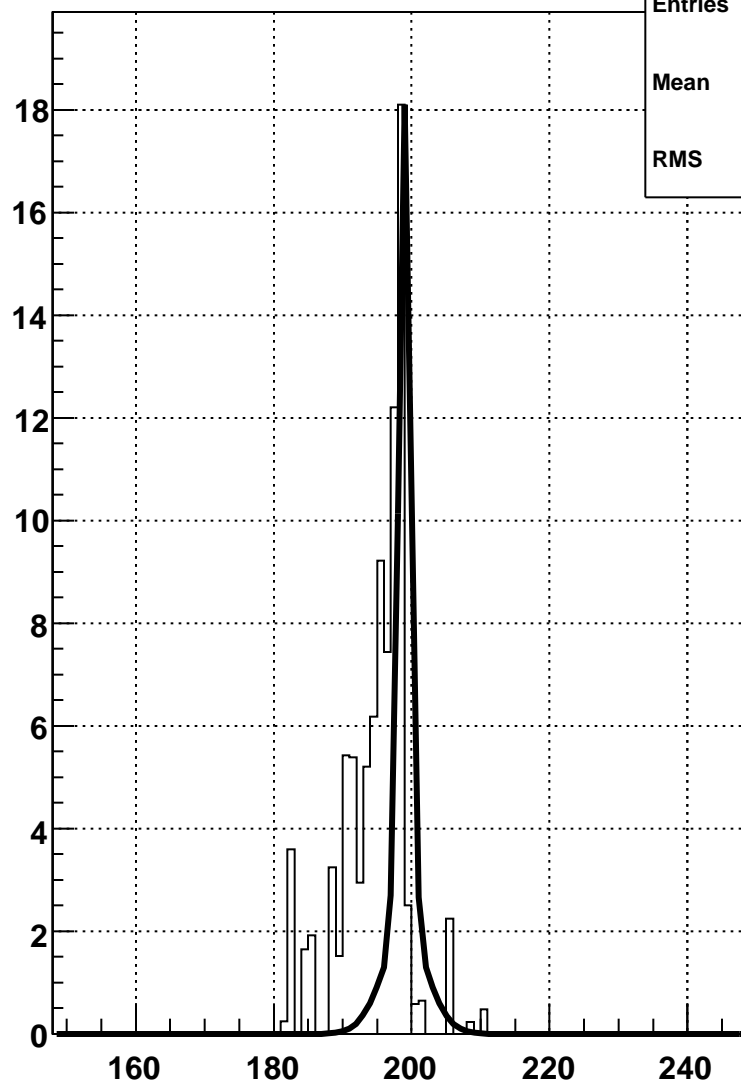
Entries	28
Mean	107.5
RMS	8.858



$p_T=6.6$  GeV,  $E=12.7$  GeV

**hSmdv**

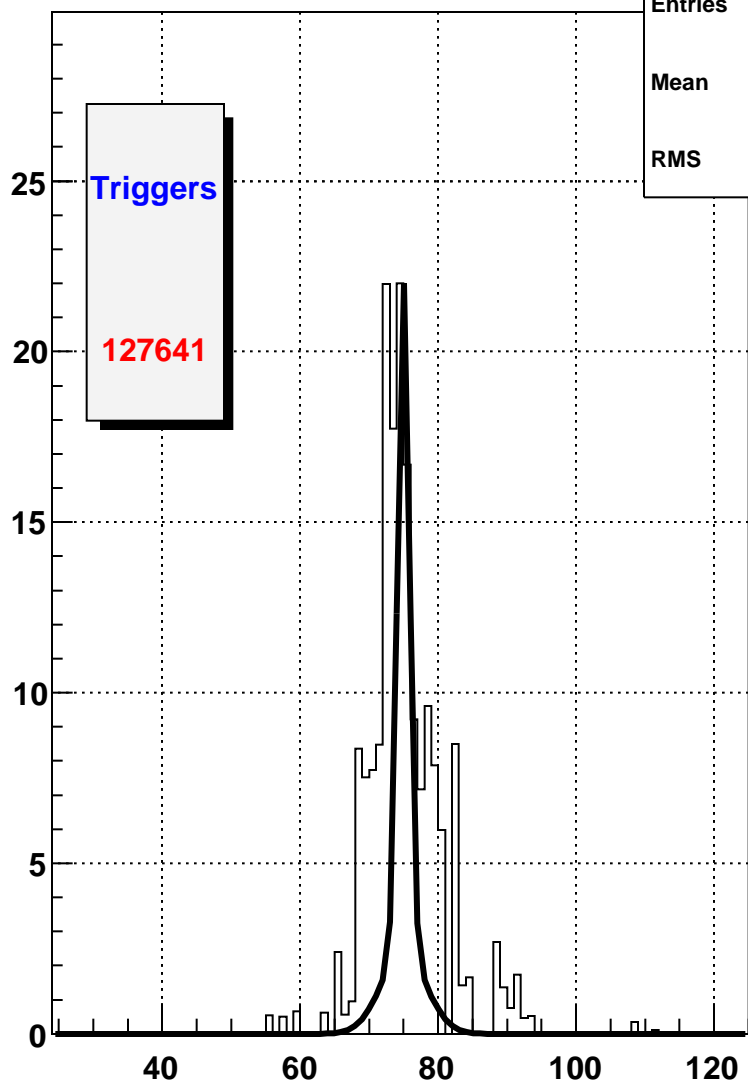
Entries	21
Mean	194.9
RMS	4.881



Run=7099046, Event=30138

**hSmdu**

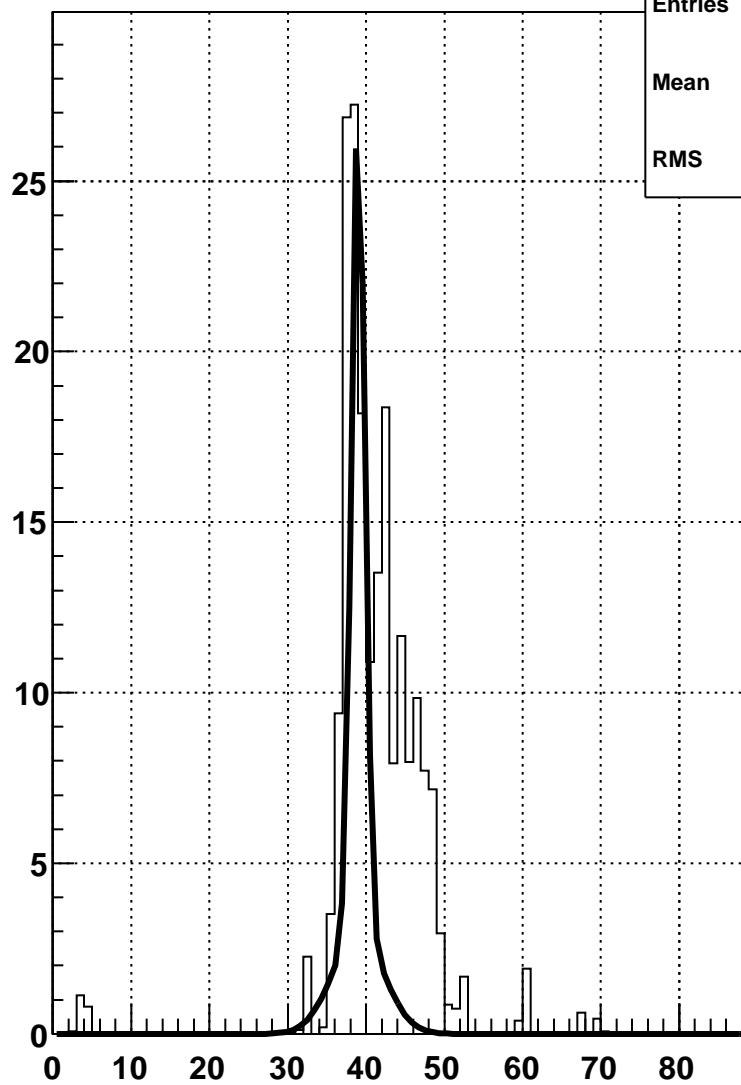
Entries	31
Mean	75.23
RMS	5.581



$p_T=6.4$  GeV,  $E=22.1$  GeV

**hSmdv**

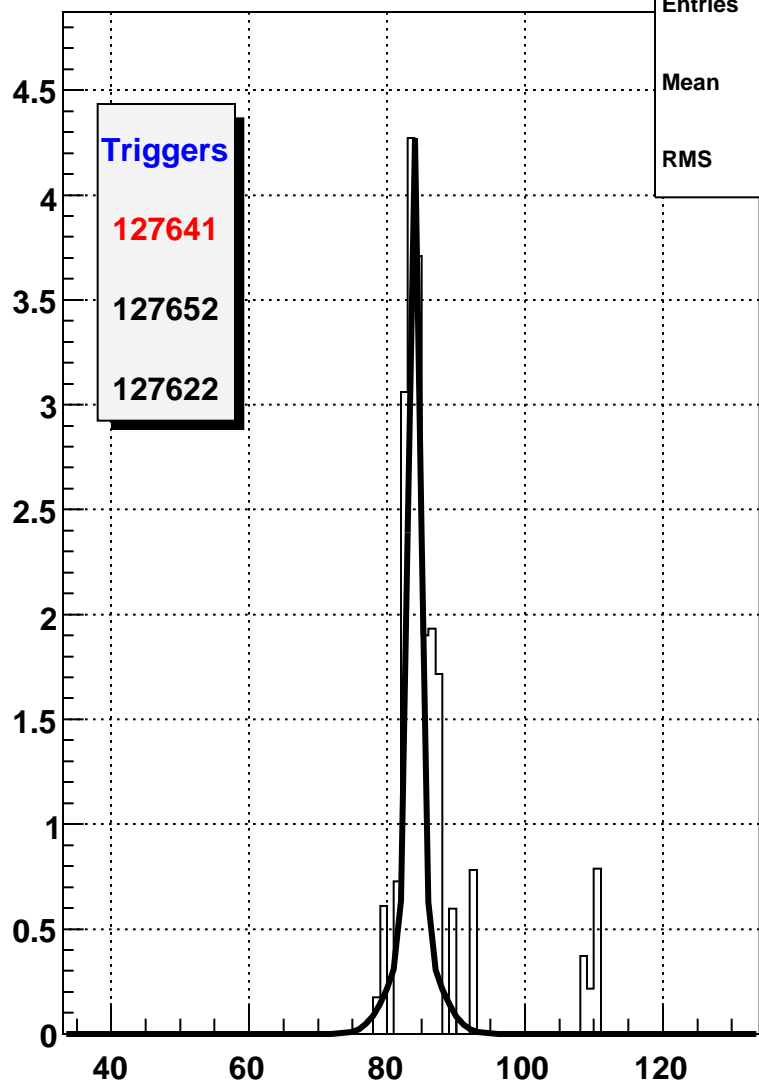
Entries	29
Mean	41.37
RMS	6.217



Run=7099035, Event=37479

**hSmdu**

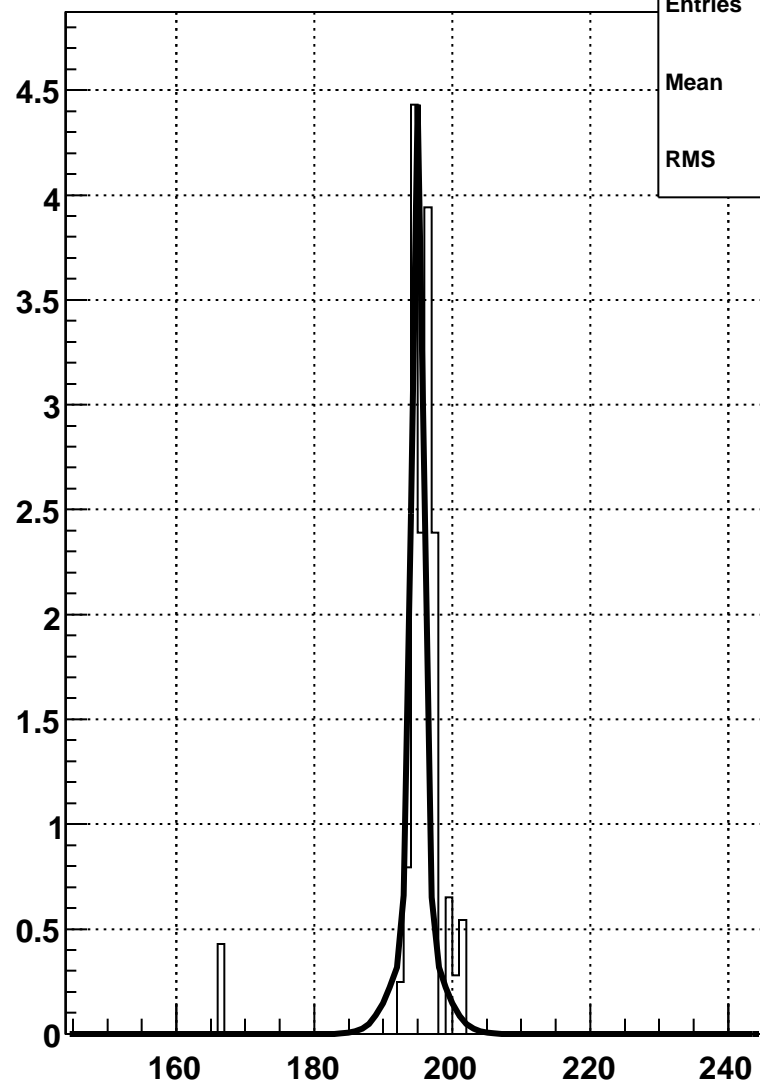
Entries	19
Mean	86.33
RMS	6.731



$p_T=5.1$  GeV,  $E=11.3$  GeV

**hSmdv**

Entries	22
Mean	195.3
RMS	5.114

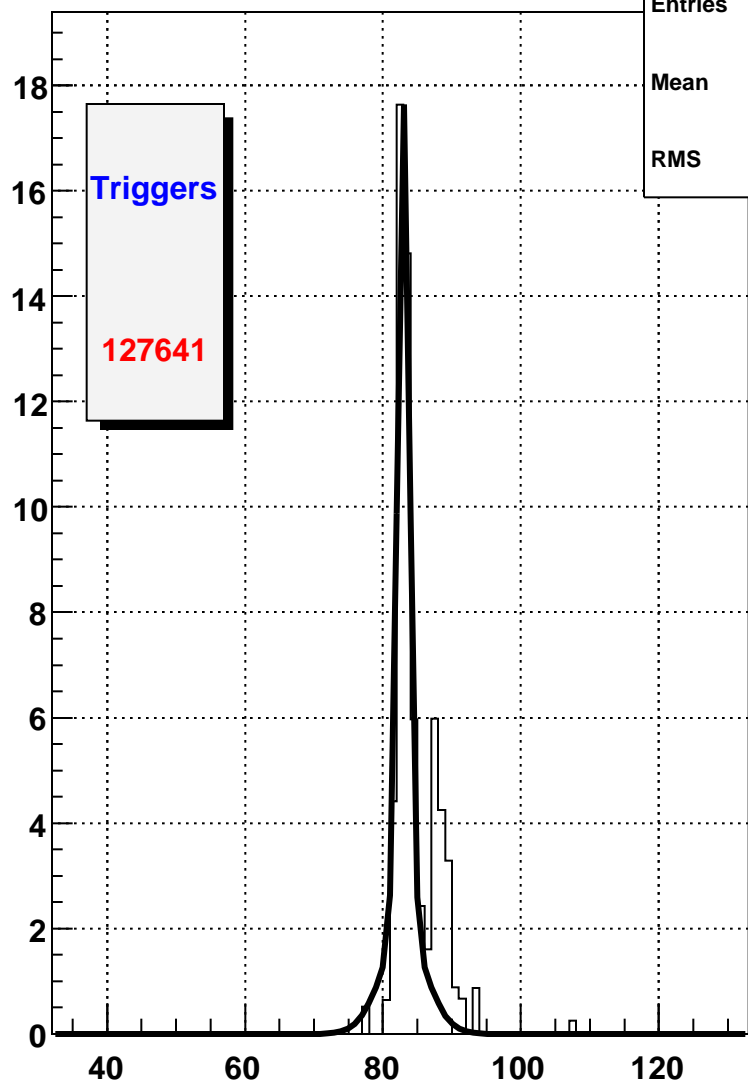




Run=7099035, Event=47992

**hSmdu**

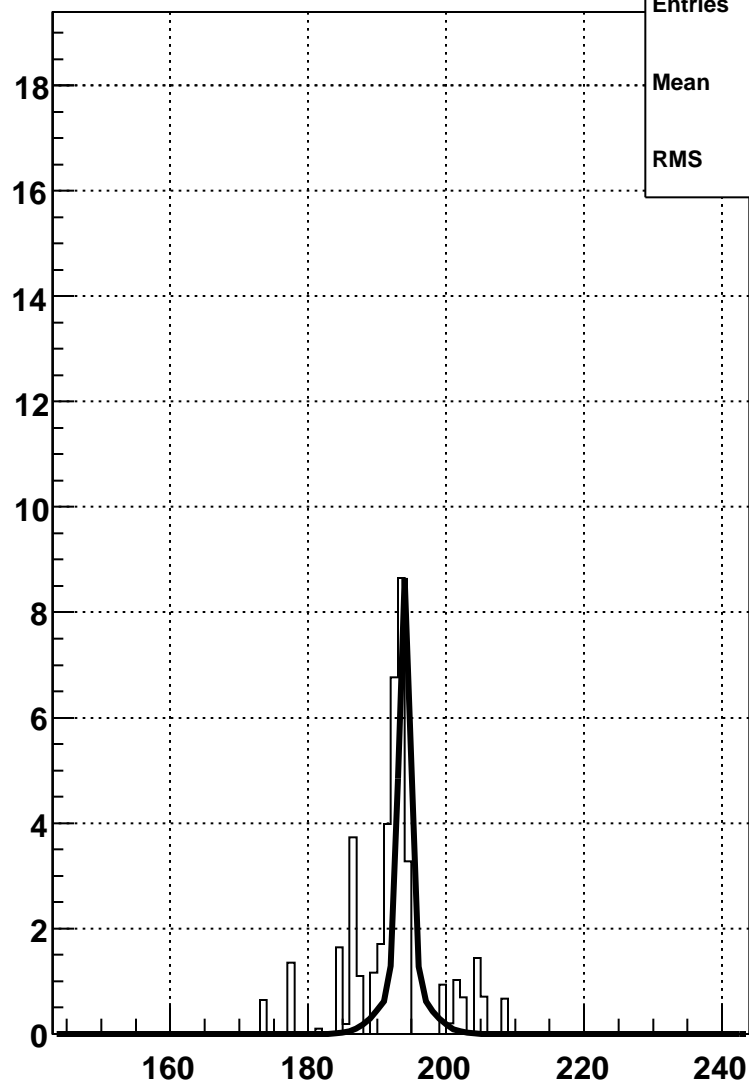
Entries	30
Mean	84.67
RMS	3.15



$p_T=8.0$  GeV,  $E=9.4$  GeV

**hSmdv**

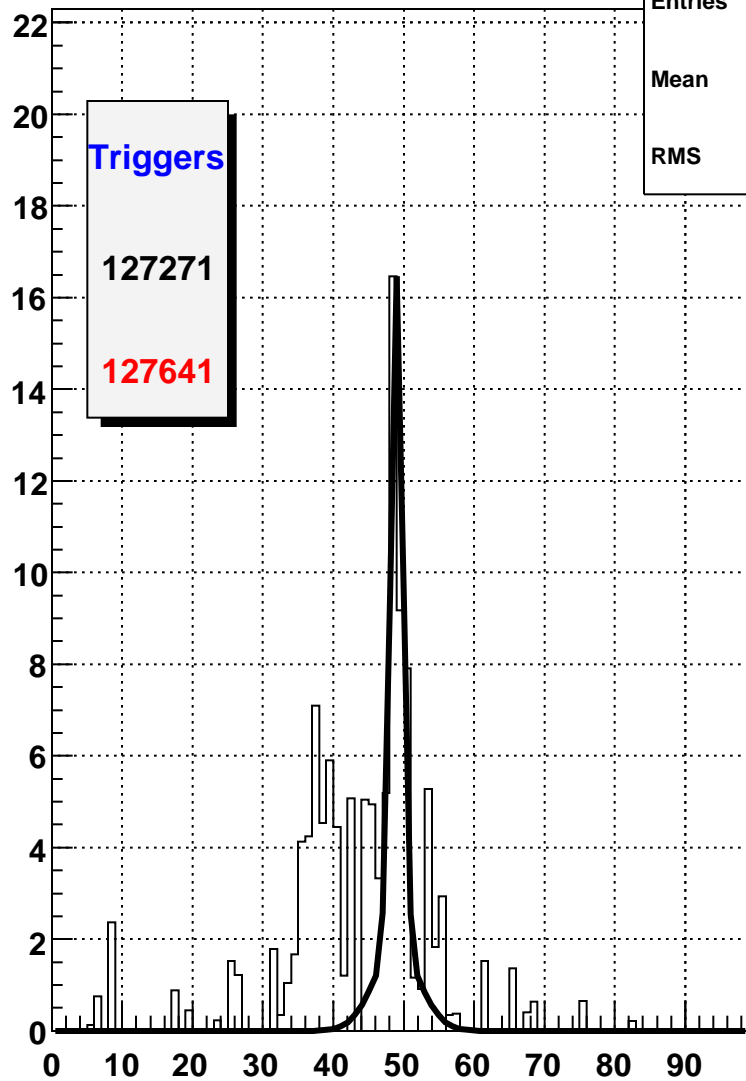
Entries	22
Mean	192.2
RMS	6.273



Run=7099045, Event=20442

**hSmdu**

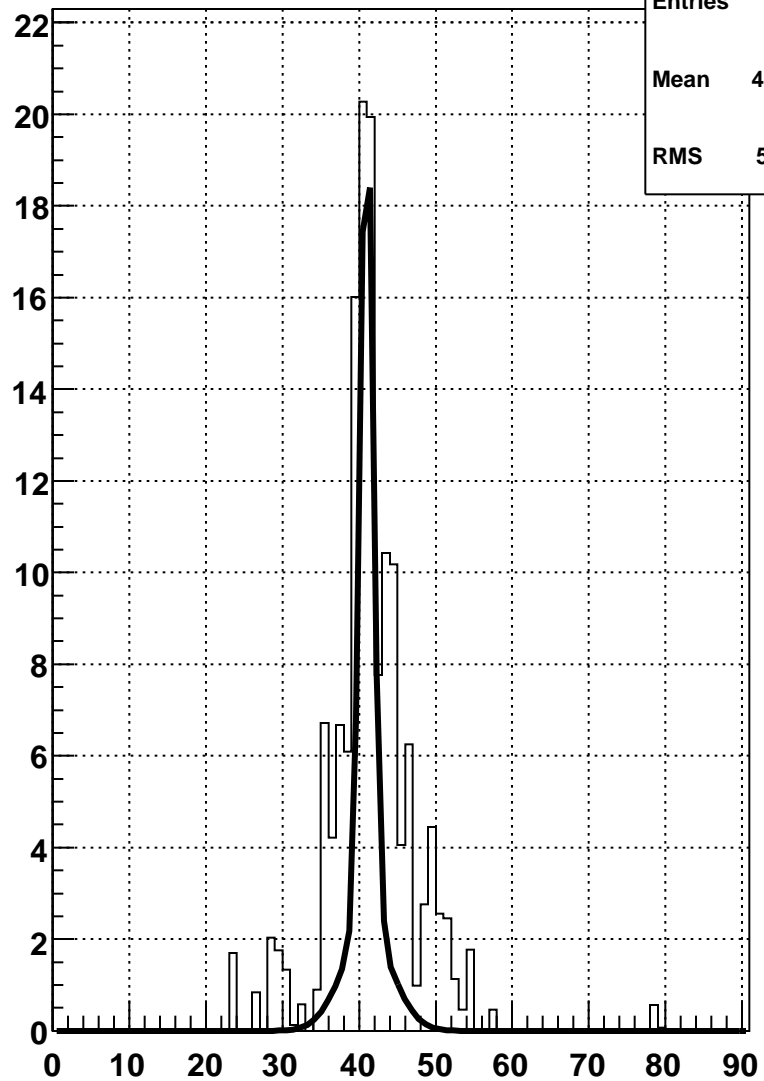
Entries	40
Mean	44.02
RMS	10.42



$p_T=5.6$  GeV,  $E=19.3$  GeV

**hSmdv**

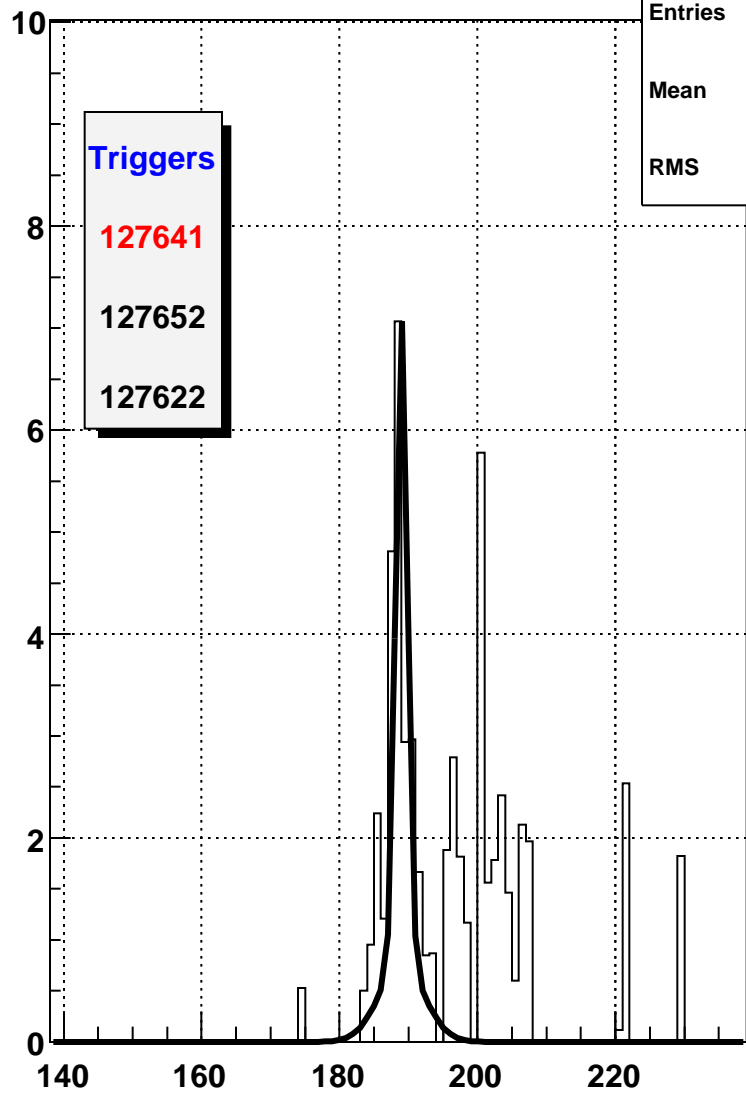
Entries	31
Mean	41.57
RMS	5.831



Run=7099045, Event=20742

**hSmdu**

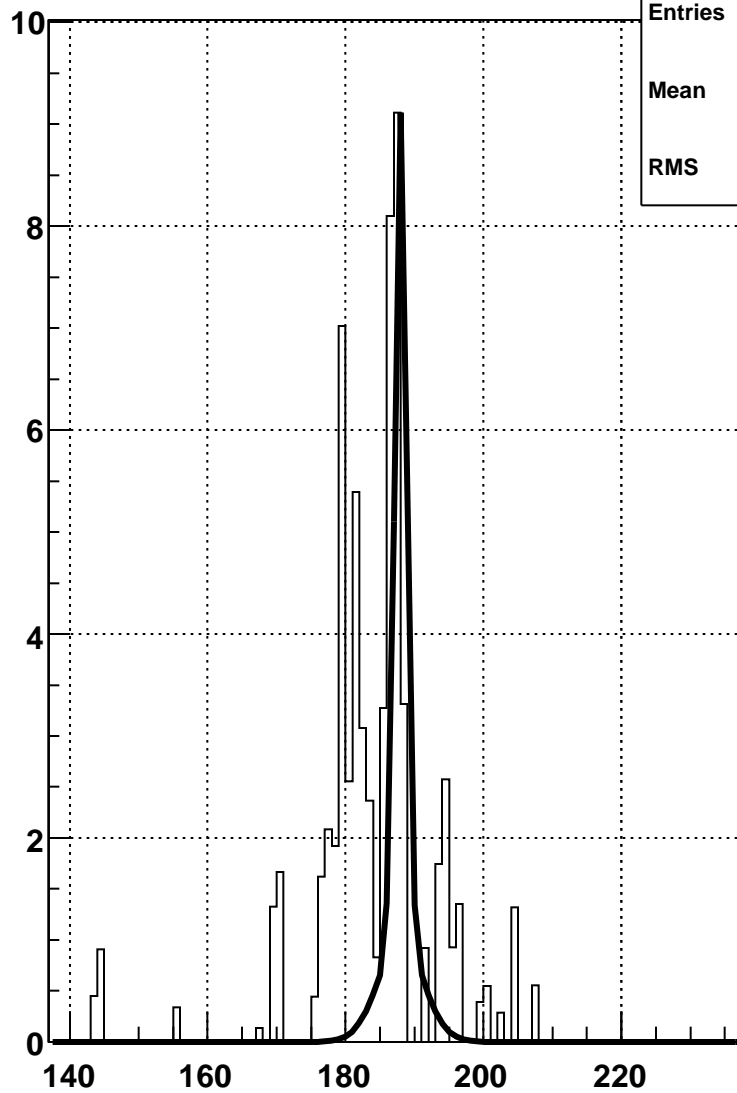
Entries	27
Mean	197
RMS	10.78



$p_T=6.2$  GeV,  $E=9.5$  GeV

**hSmdv**

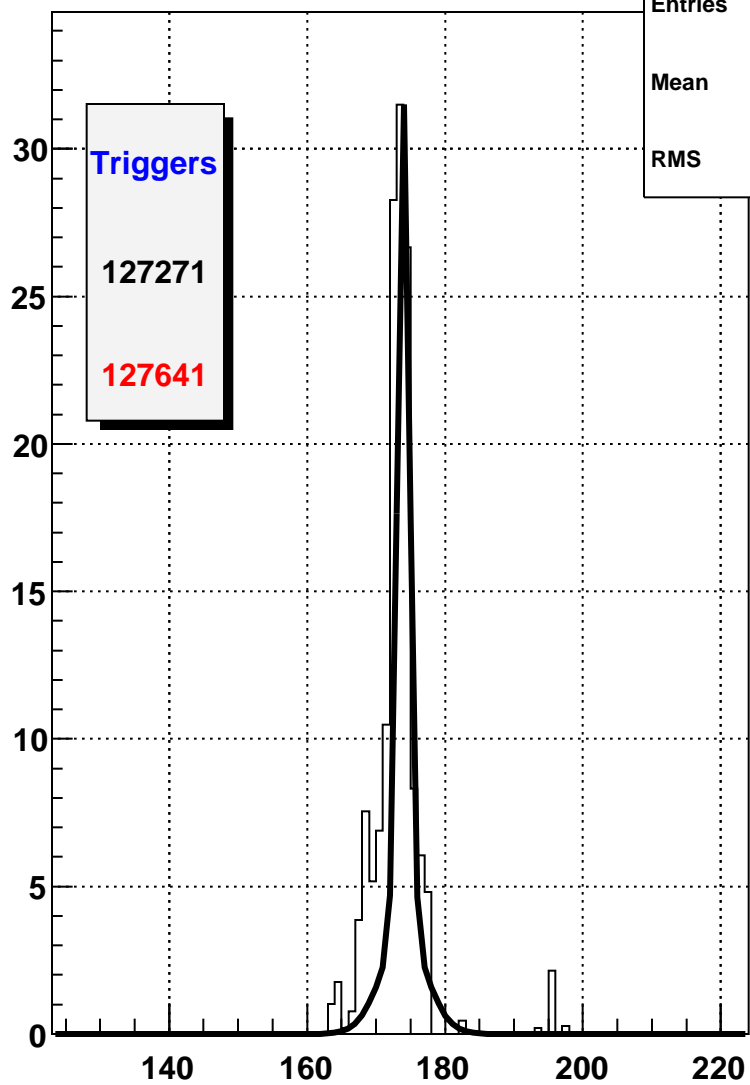
Entries	30
Mean	184.1
RMS	9.329



Run=7099034, Event=141834

**hSmdu**

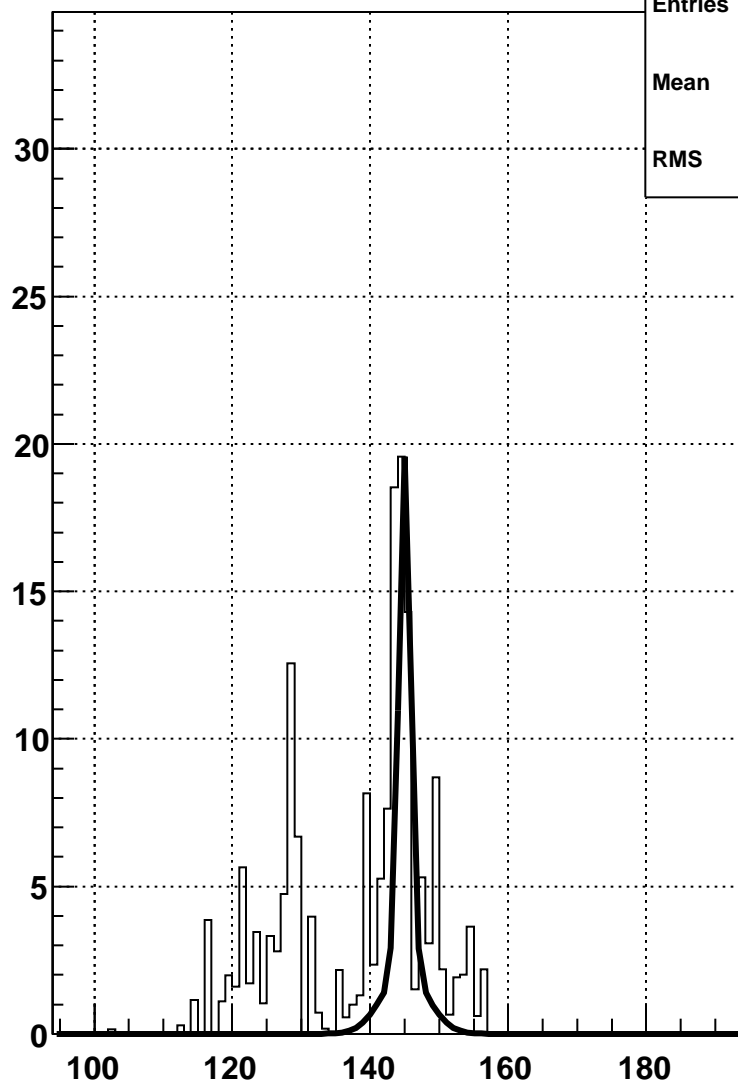
Entries	19
Mean	173.2
RMS	3.979



$p_T=5.2$  GeV,  $E=13.3$  GeV

**hSmdv**

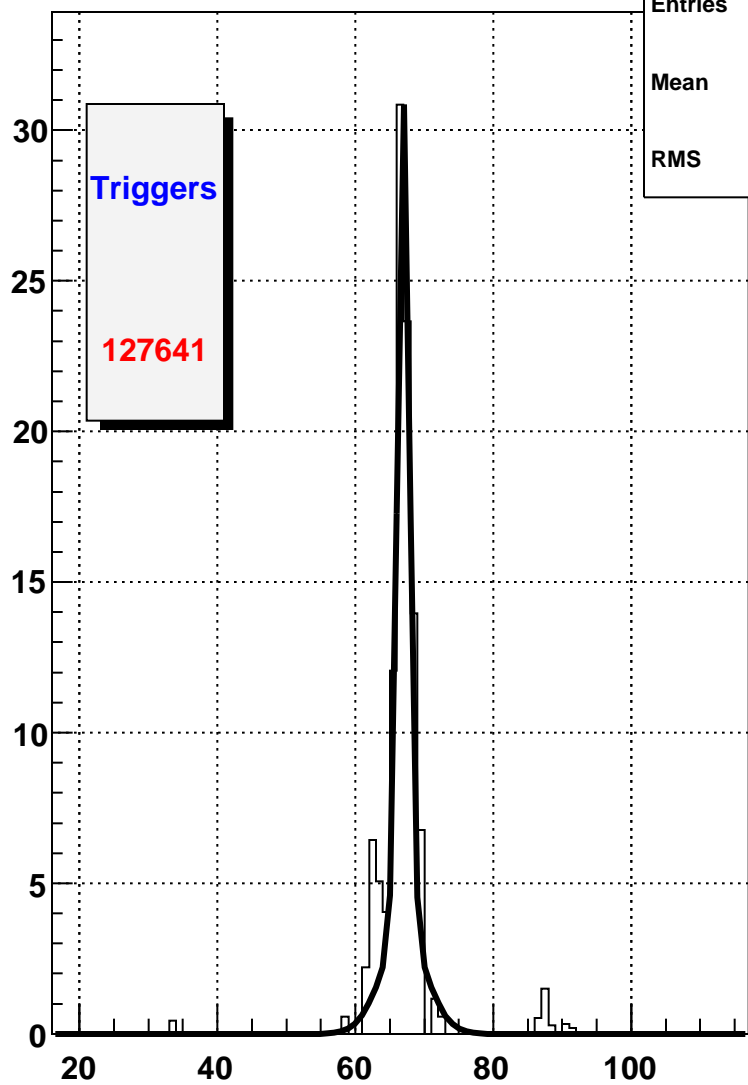
Entries	42
Mean	138.5
RMS	10.38



Run=7099034, Event=142917

**hSmdu**

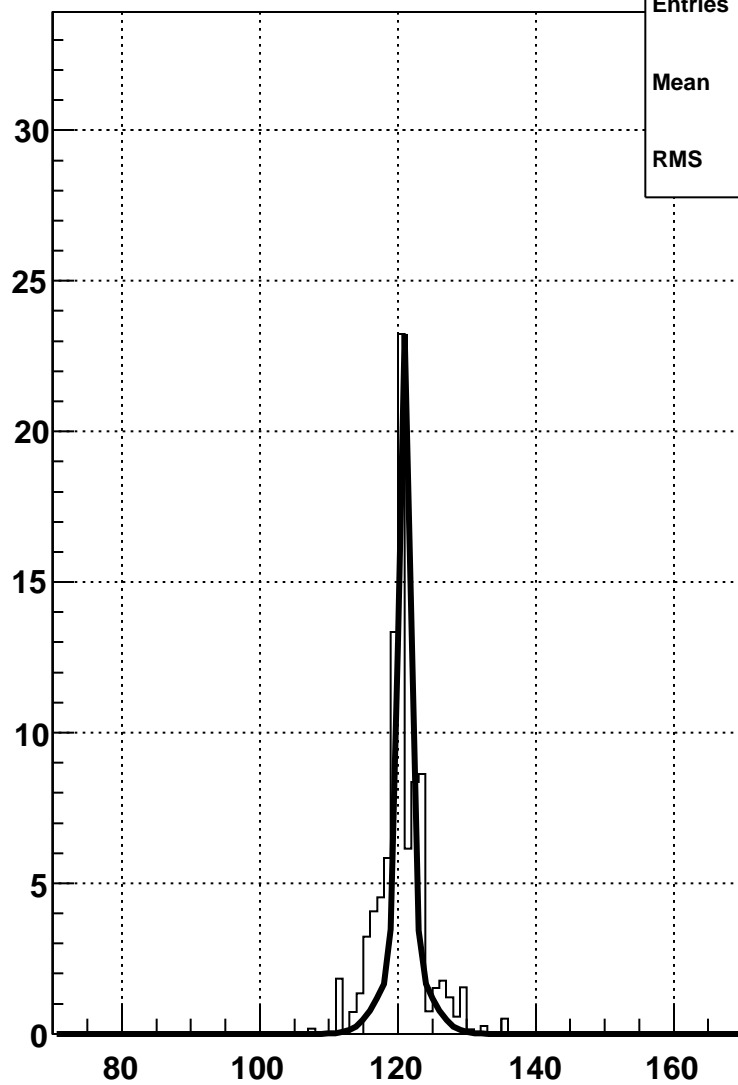
Entries	18
Mean	66.96
RMS	4.501



$p_T=6.1$  GeV,  $E=13.1$  GeV

**hSmdv**

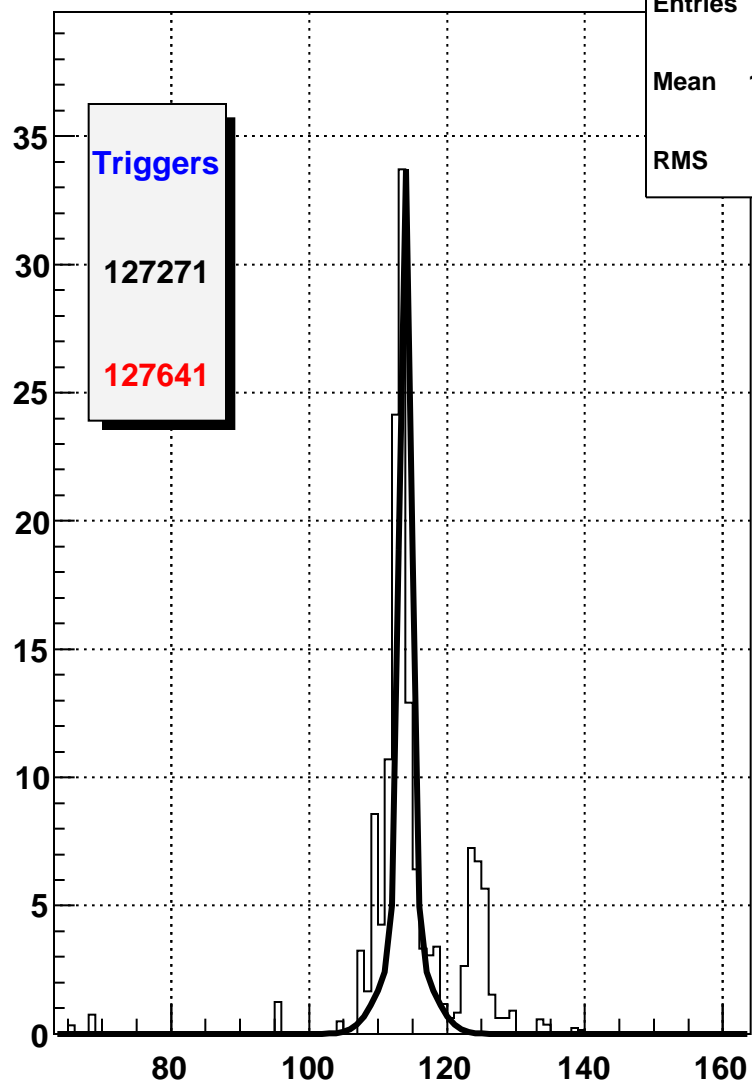
Entries	22
Mean	120.6
RMS	3.496



Run=7099034, Event=143998

**hSmdu**

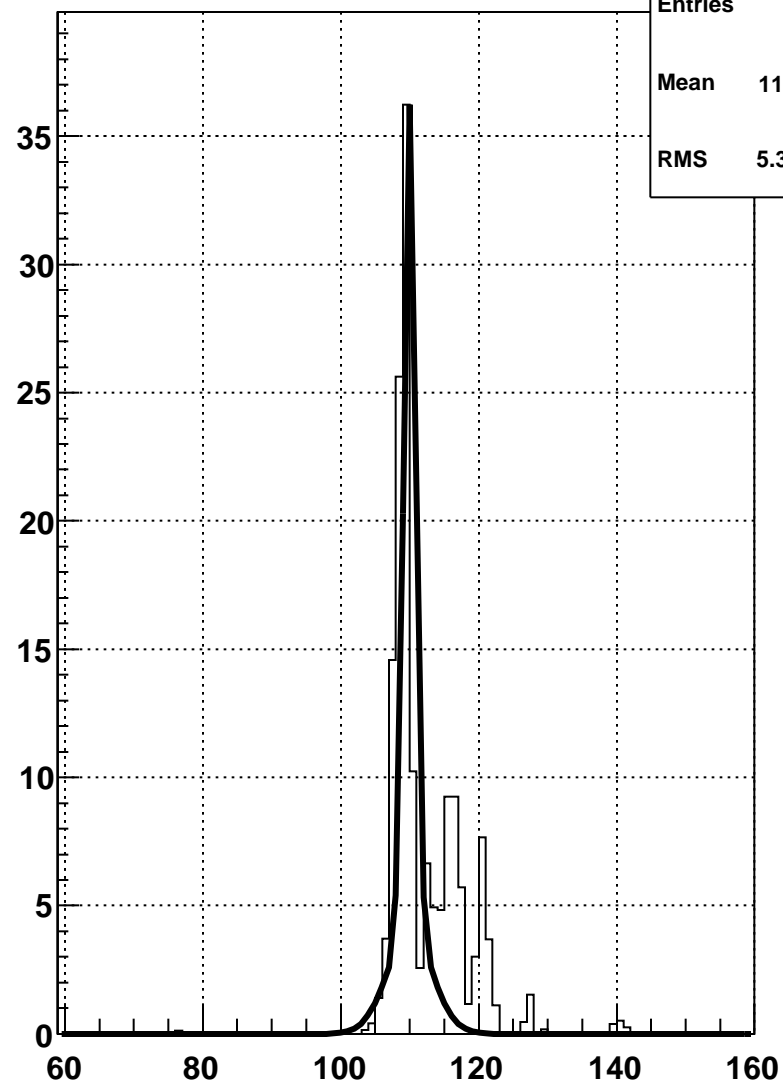
Entries	59
Mean	114.9
RMS	6.93



$p_T=5.6$  GeV,  $E=18.9$  GeV

**hSmdv**

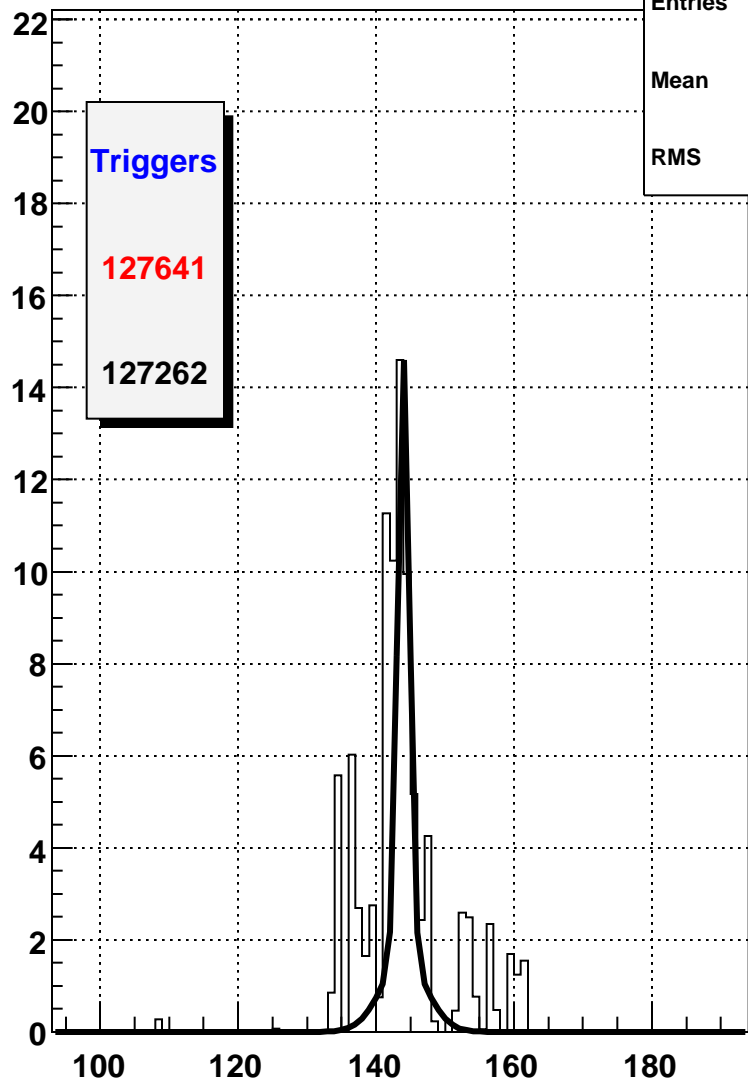
Entries	34
Mean	112.2
RMS	5.316



Run=7099045, Event=77509

**hSmdu**

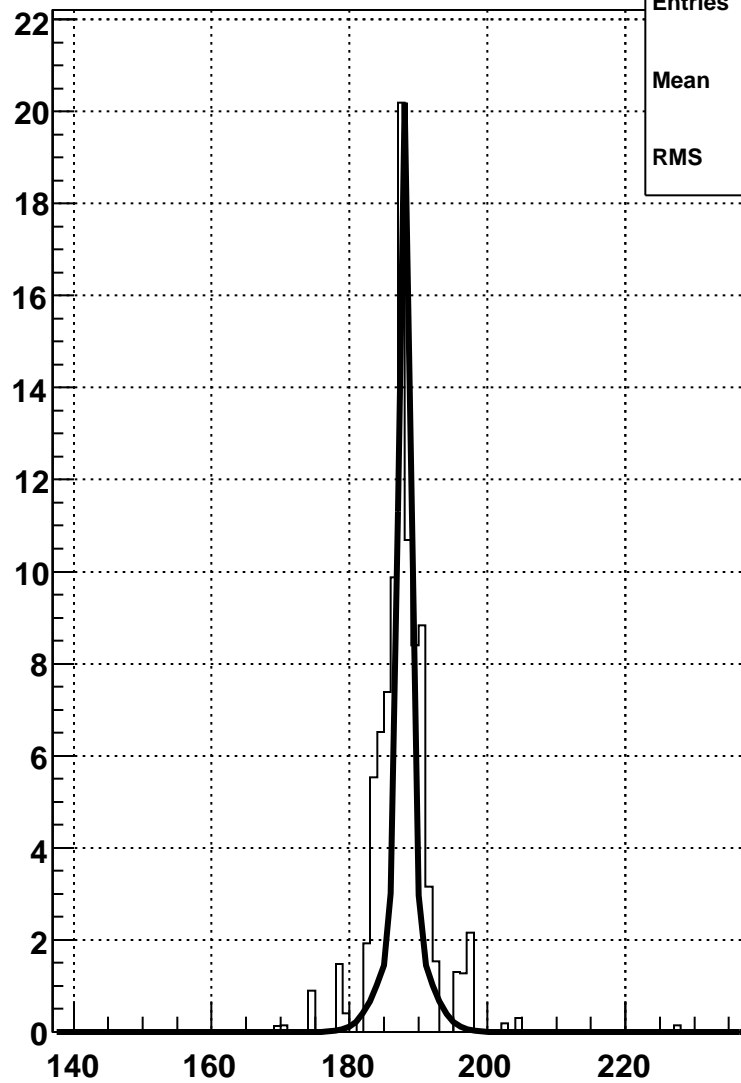
Entries	27
Mean	143.9
RMS	6.501



$p_T=5.4$  GeV,  $E=9.7$  GeV

**hSmdv**

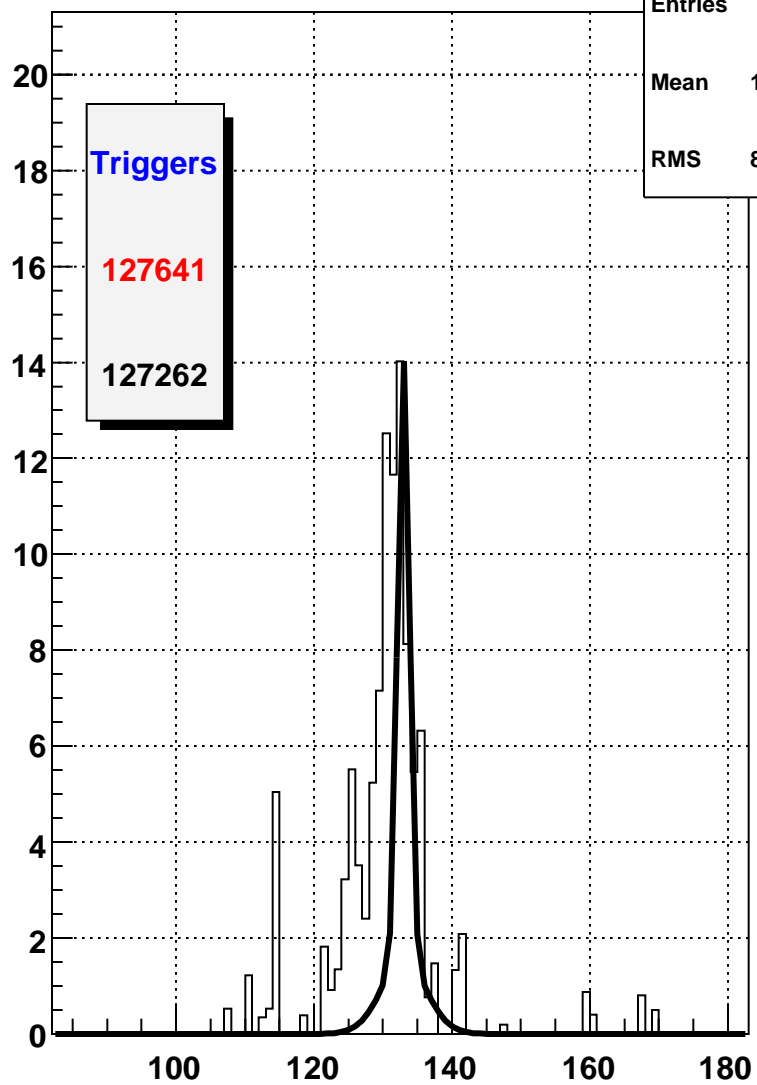
Entries	23
Mean	187.7
RMS	4.133



Run=7099045, Event=77966

**hSmdu**

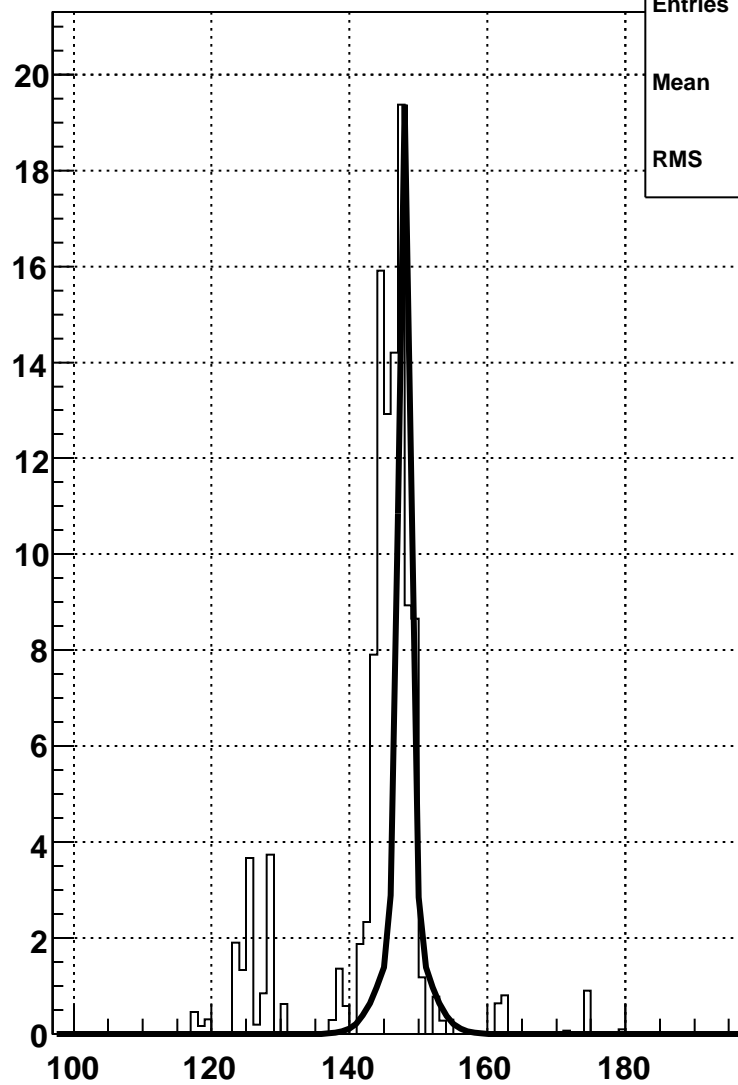
Entries	30
Mean	130.5
RMS	8.068



$p_T=5.5$  GeV,  $E=12.2$  GeV

**hSmdv**

Entries	30
Mean	144.3
RMS	7.867

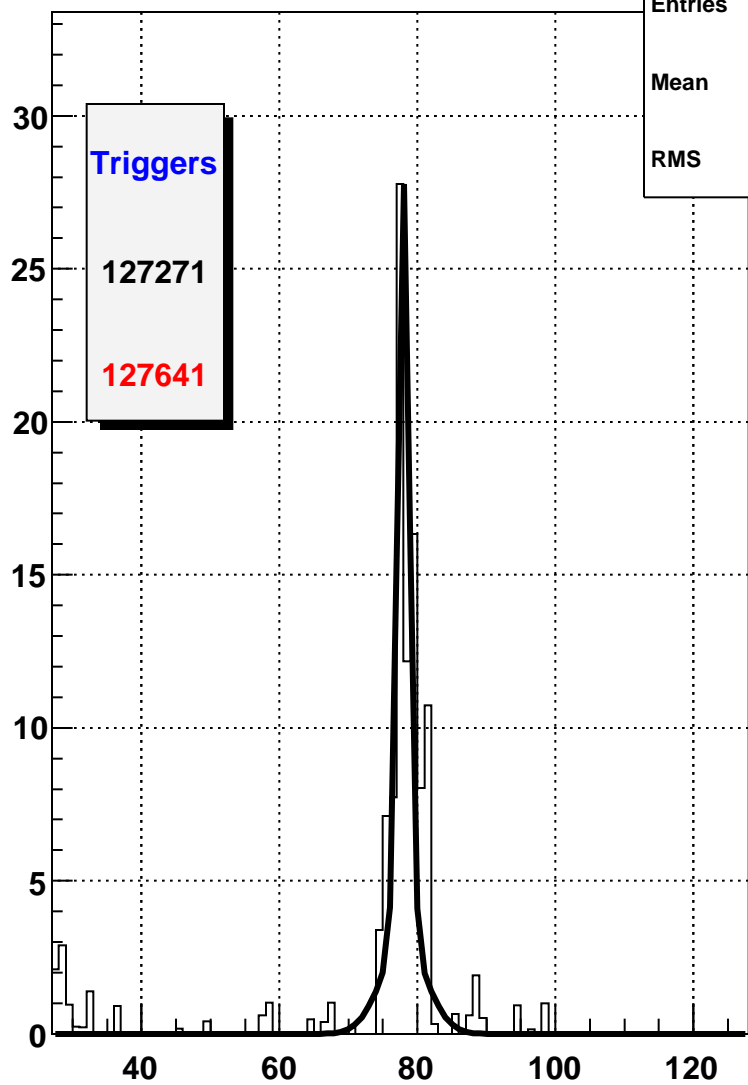




Run=7099045, Event=79144

**hSmdu**

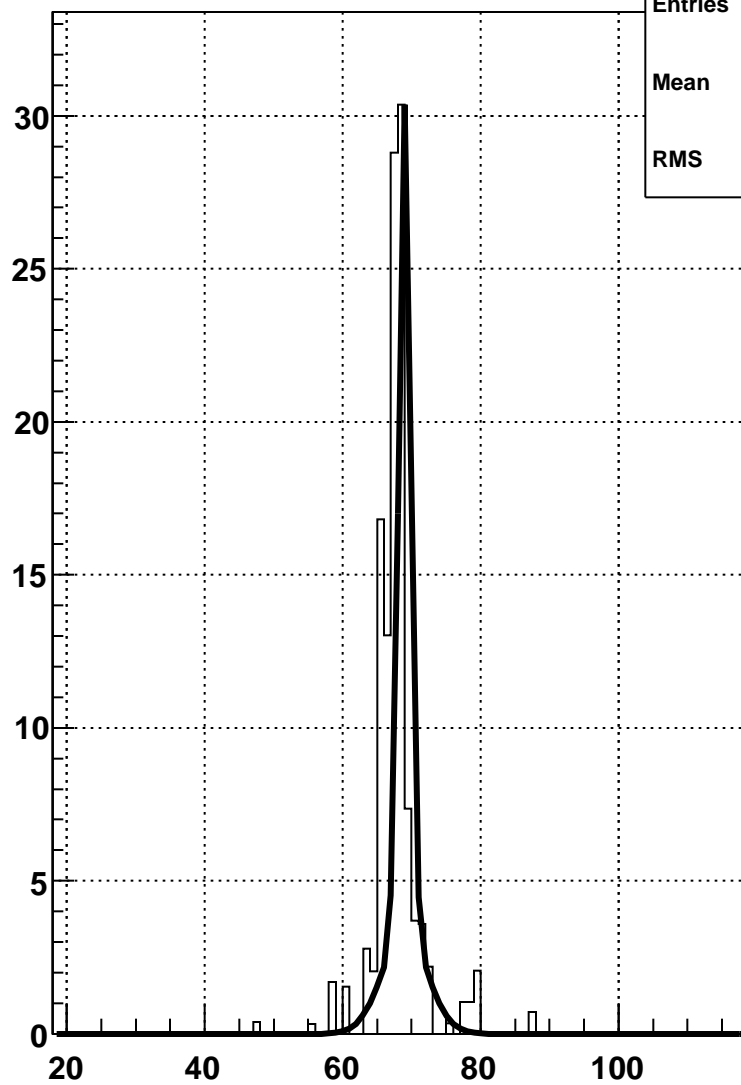
Entries	34
Mean	74.61
RMS	13.89



$p_T=6.5$  GeV,  $E=18.2$  GeV

**hSmdv**

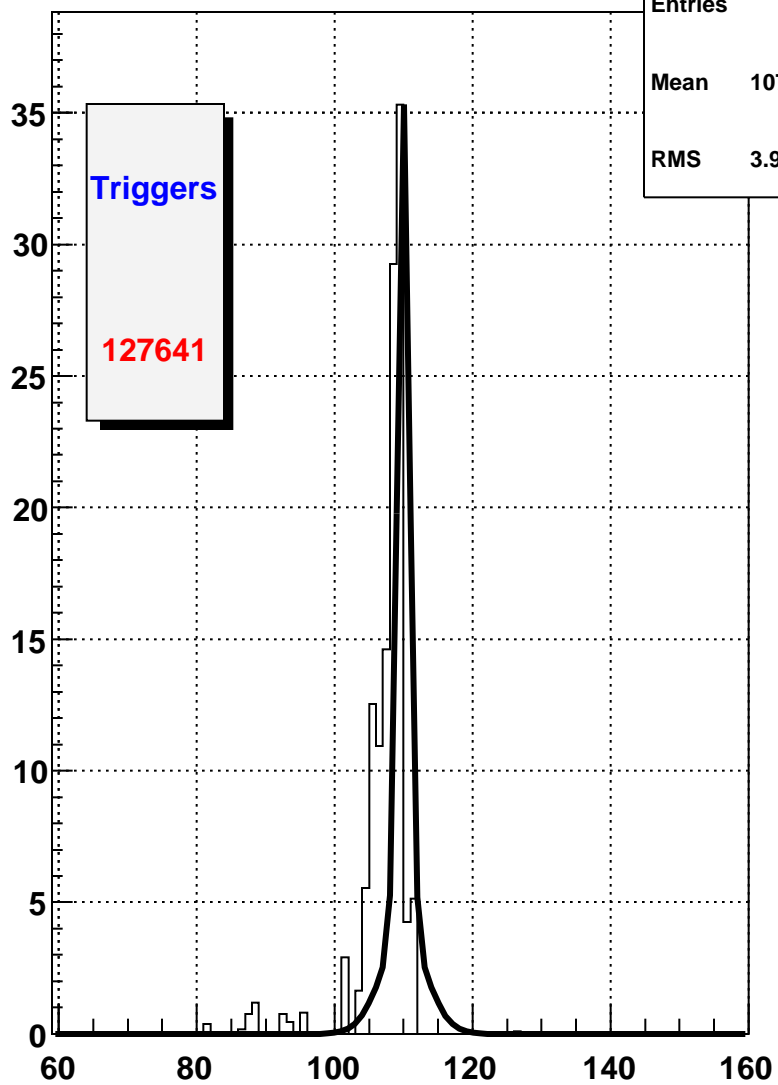
Entries	19
Mean	67.86
RMS	3.637



Run=7099045, Event=11

**hSmdu**

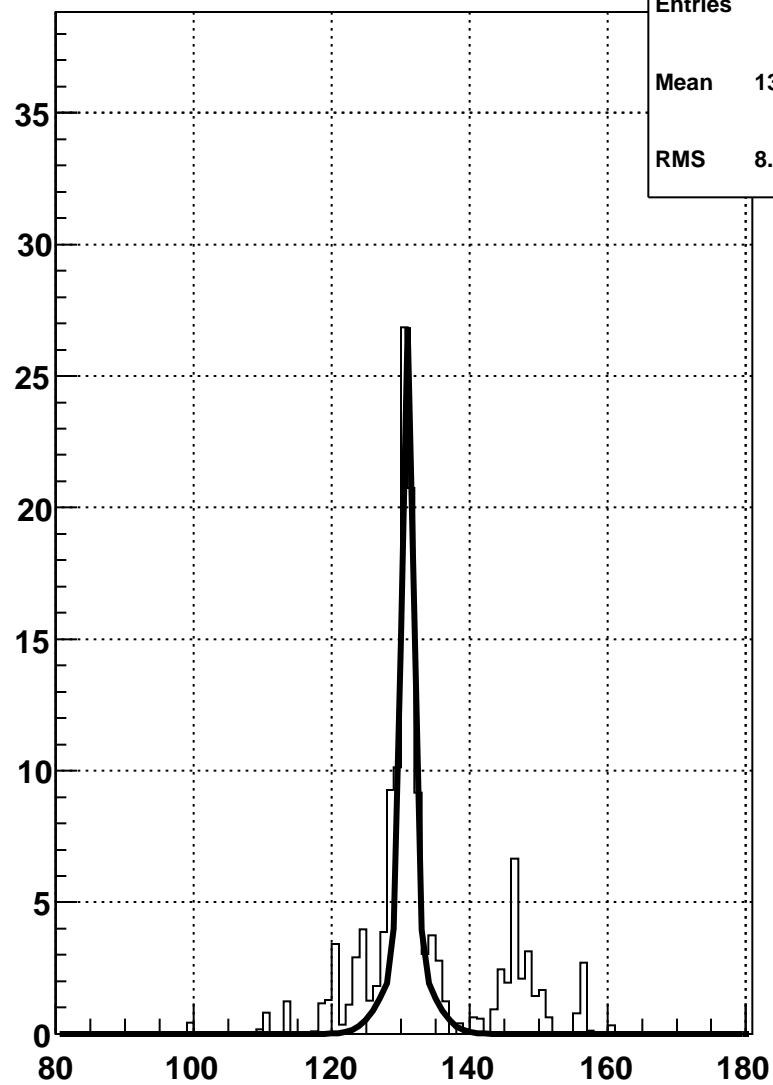
Entries	18
Mean	107.3
RMS	3.966



$p_T=6.2$  GeV,  $E=14.3$  GeV

**hSmdv**

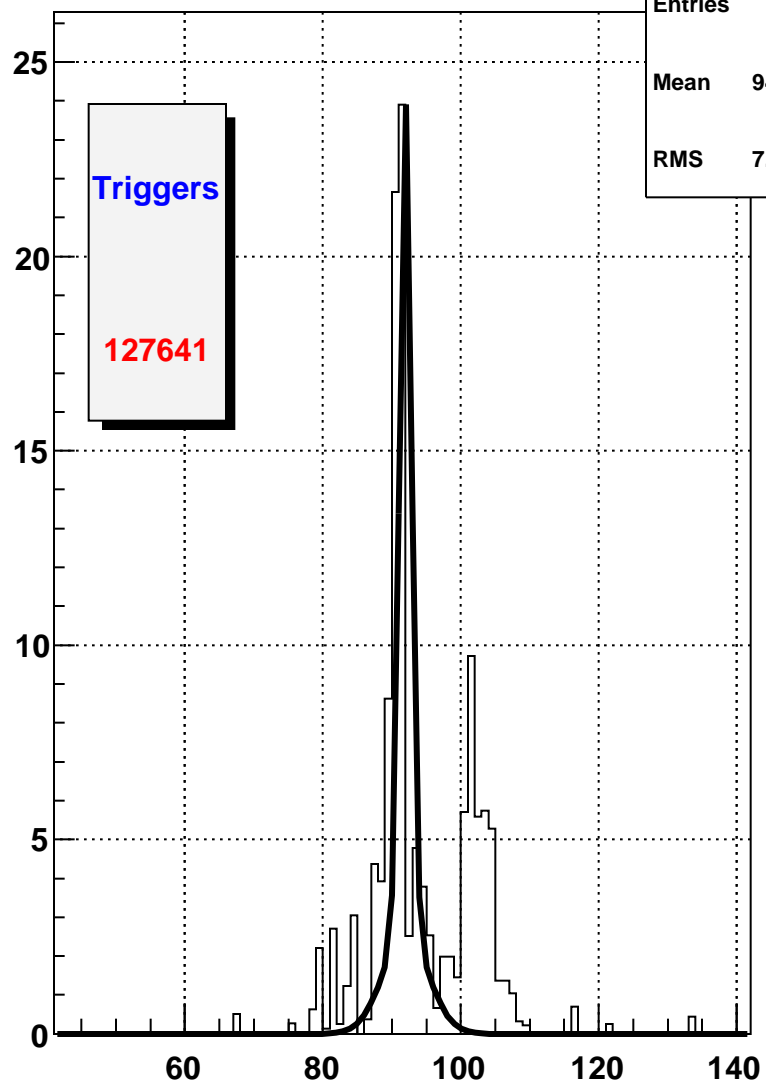
Entries	40
Mean	132.9
RMS	8.785



Run=7099045, Event=390

**hSmdu**

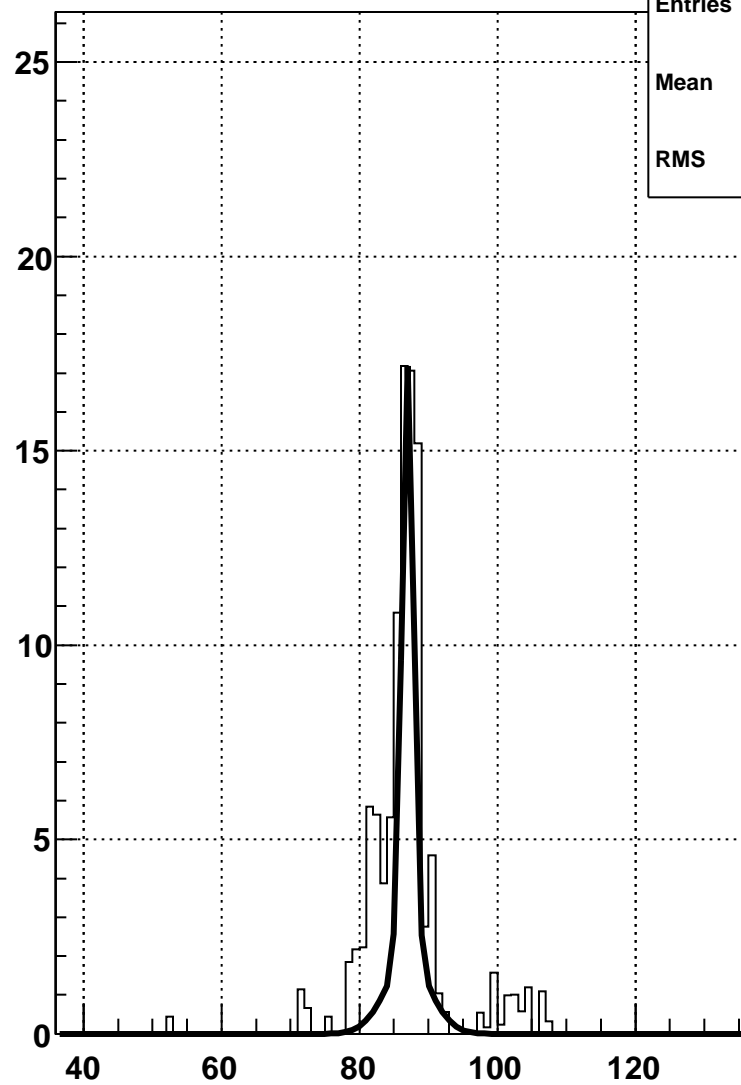
Entries	36
Mean	94.15
RMS	7.423



$p_T=5.3$  GeV,  $E=13.4$  GeV

**hSmdv**

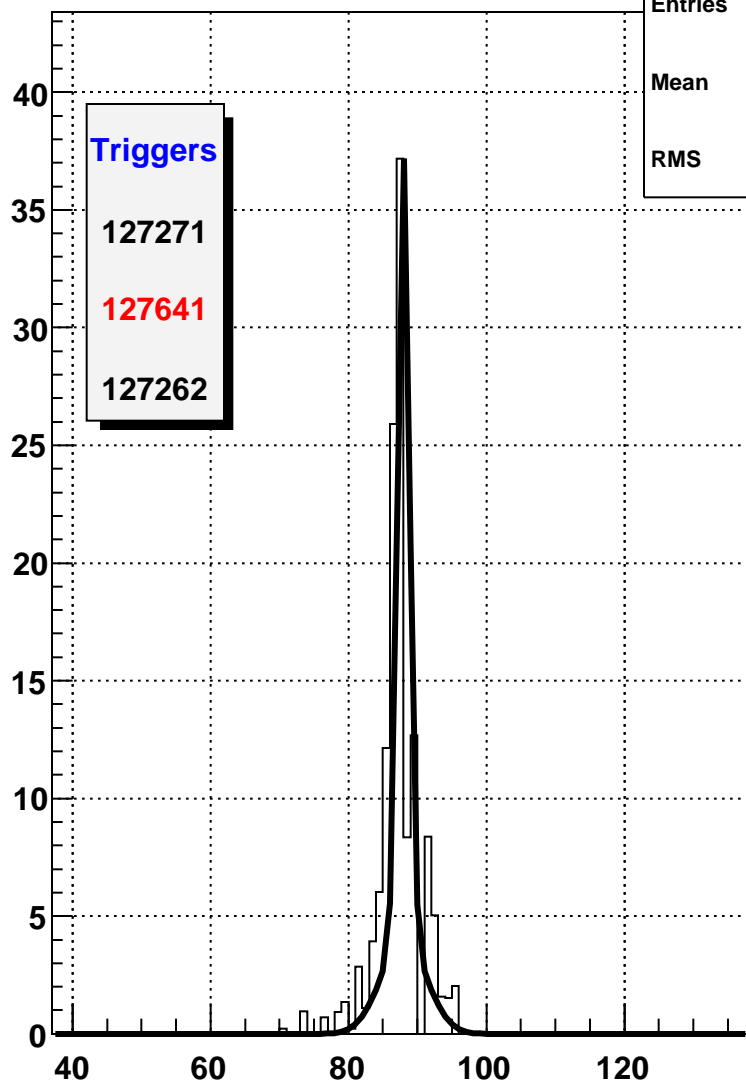
Entries	29
Mean	86.78
RMS	5.962



Run=7099045, Event=562

**hSmdu**

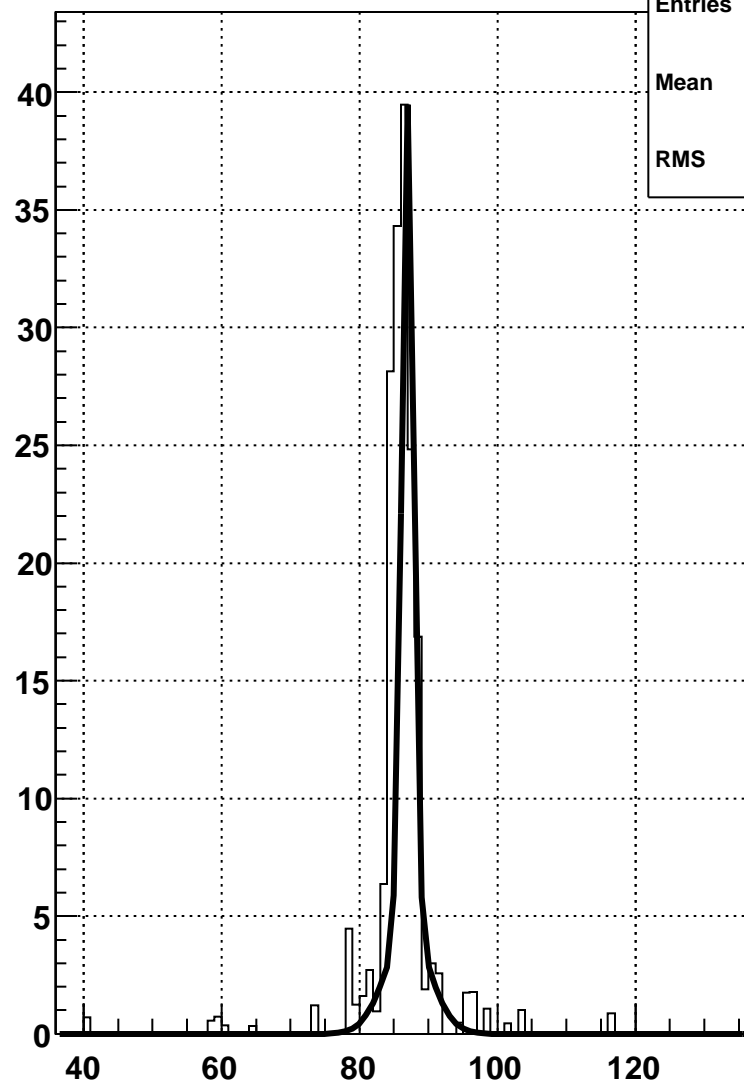
Entries	39
Mean	87.33
RMS	3.251



$p_T=5.3$  GeV,  $E=18.2$  GeV

**hSmdv**

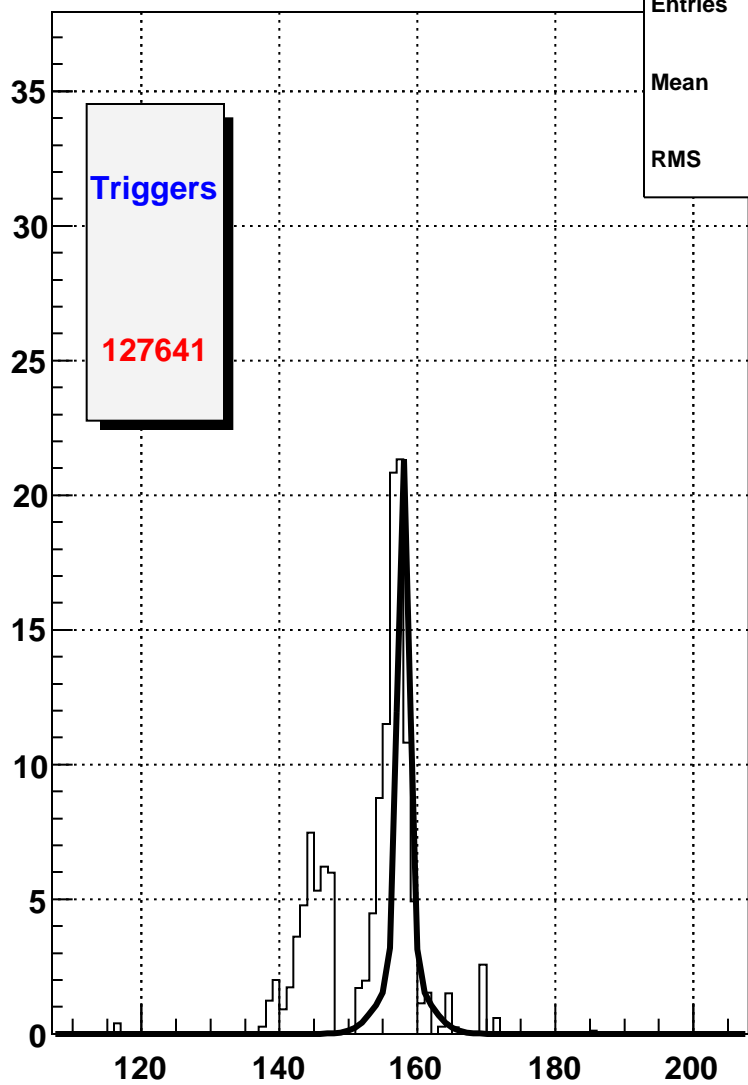
Entries	34
Mean	85.98
RMS	5.612



Run=7099045, Event=609

**hSmdu**

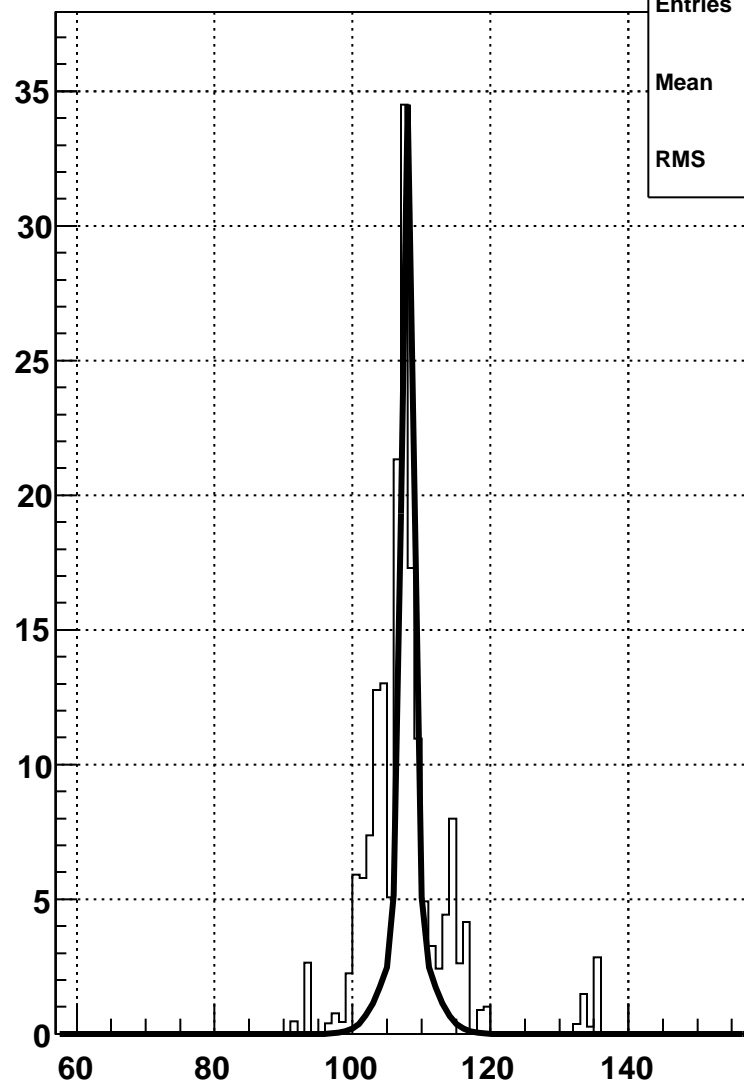
Entries	30
Mean	153.4
RMS	6.964



$p_T=7.9$  GeV,  $E=11.9$  GeV

**hSmdv**

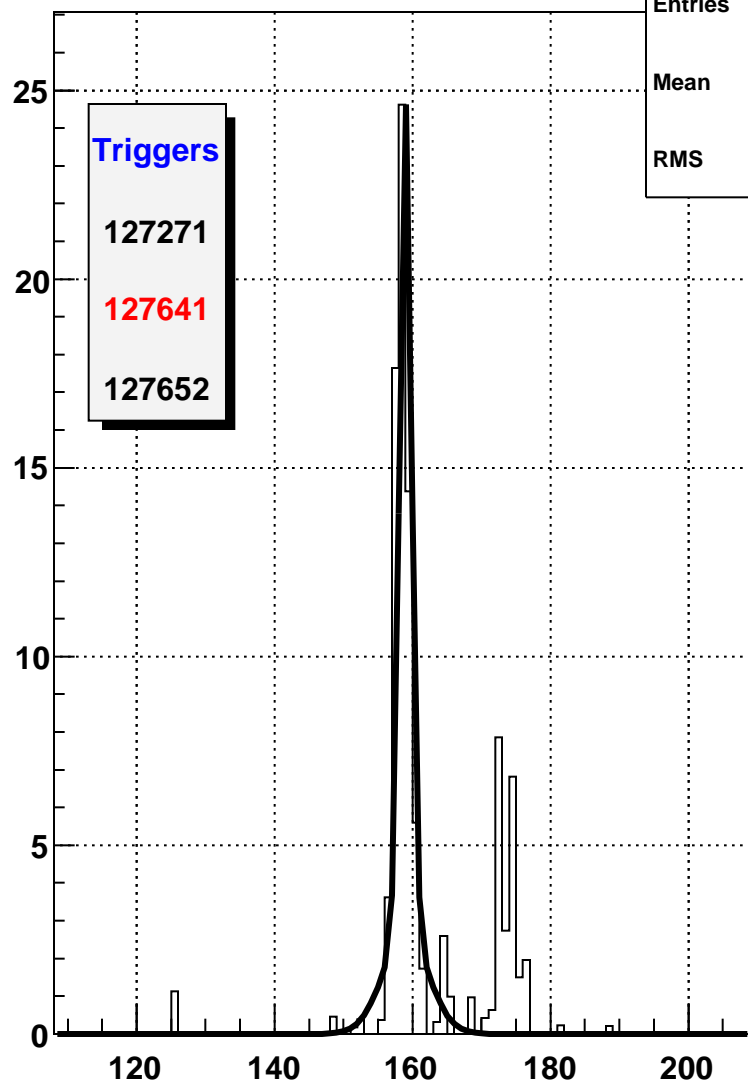
Entries	29
Mean	107.9
RMS	6.337



Run=7099045, Event=2101

**hSmdu**

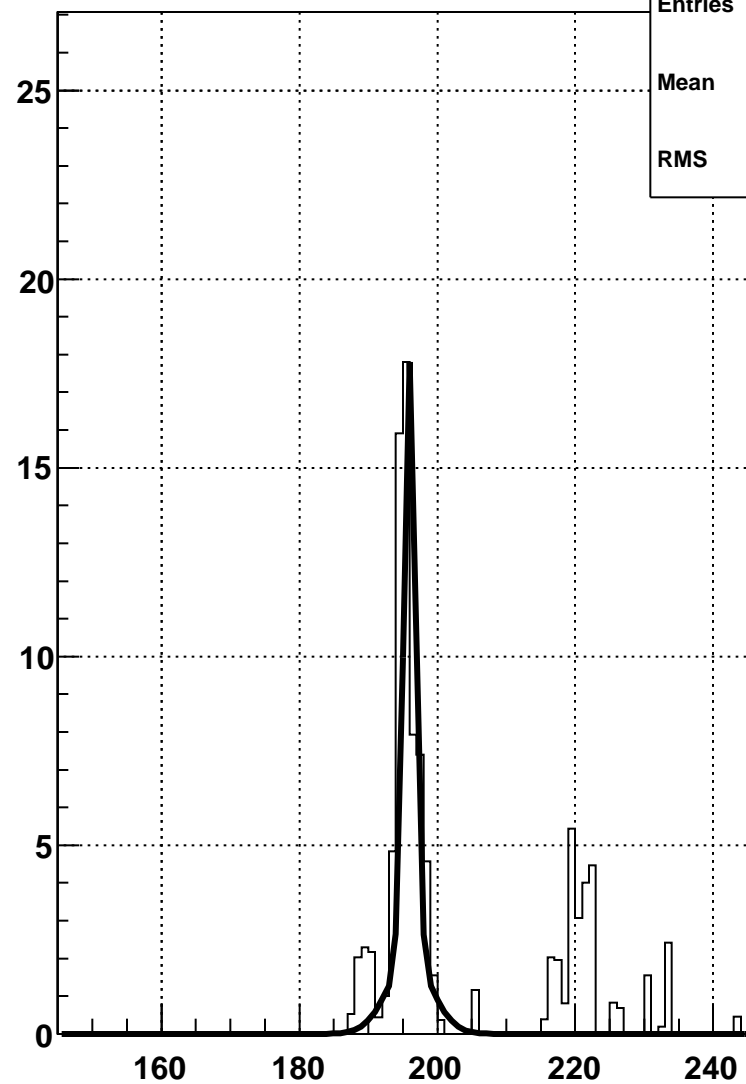
Entries	24
Mean	162
RMS	7.779



$p_T=5.2$  GeV,  $E=13.2$  GeV

**hSmdv**

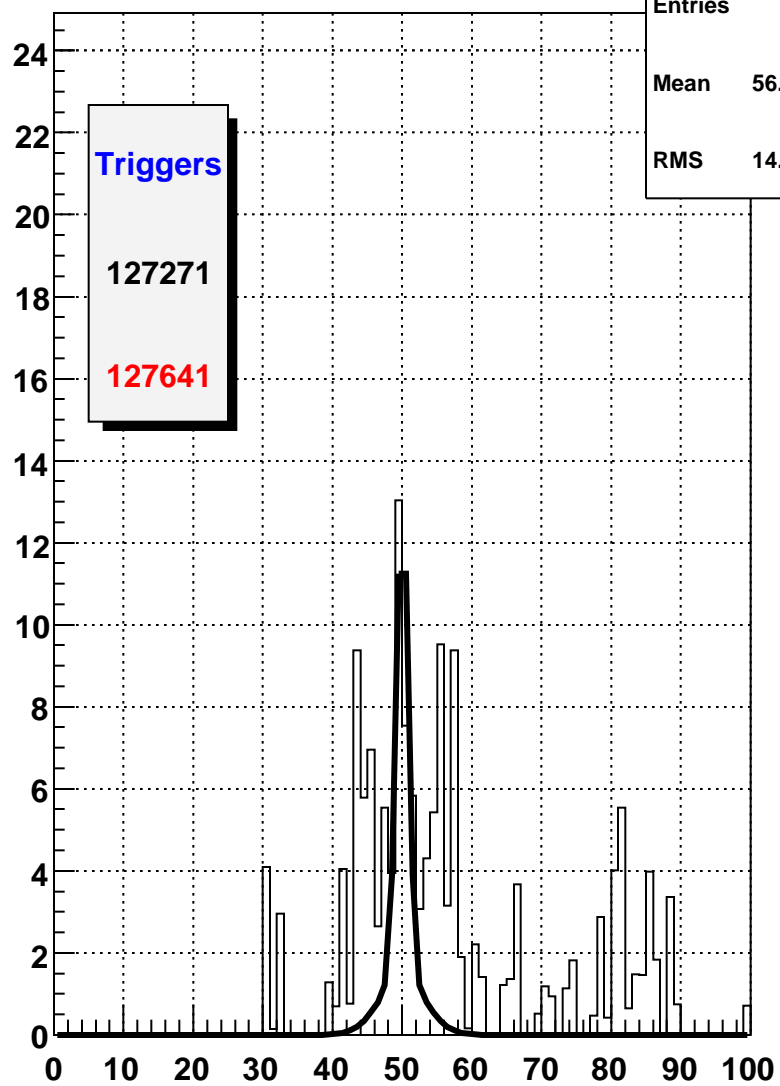
Entries	29
Mean	203.1
RMS	12.92



Run=7099045, Event=3410

**hSmdu**

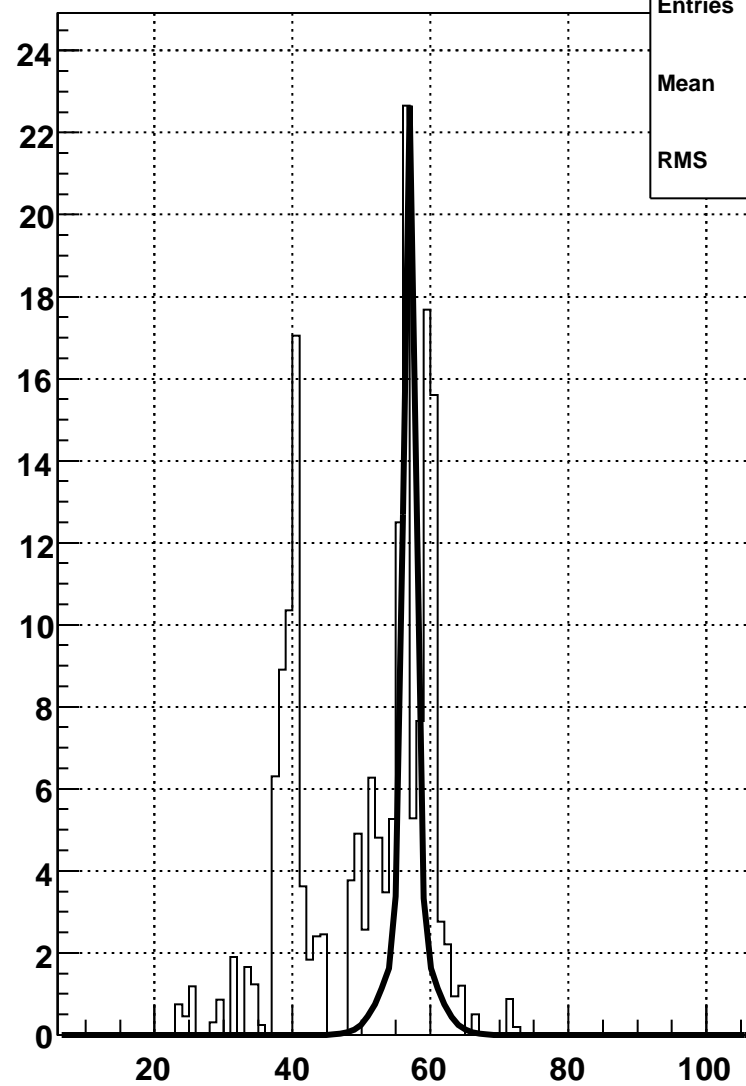
Entries	47
Mean	56.85
RMS	14.93



$p_T=7.0$  GeV,  $E=27.8$  GeV

**hSmdv**

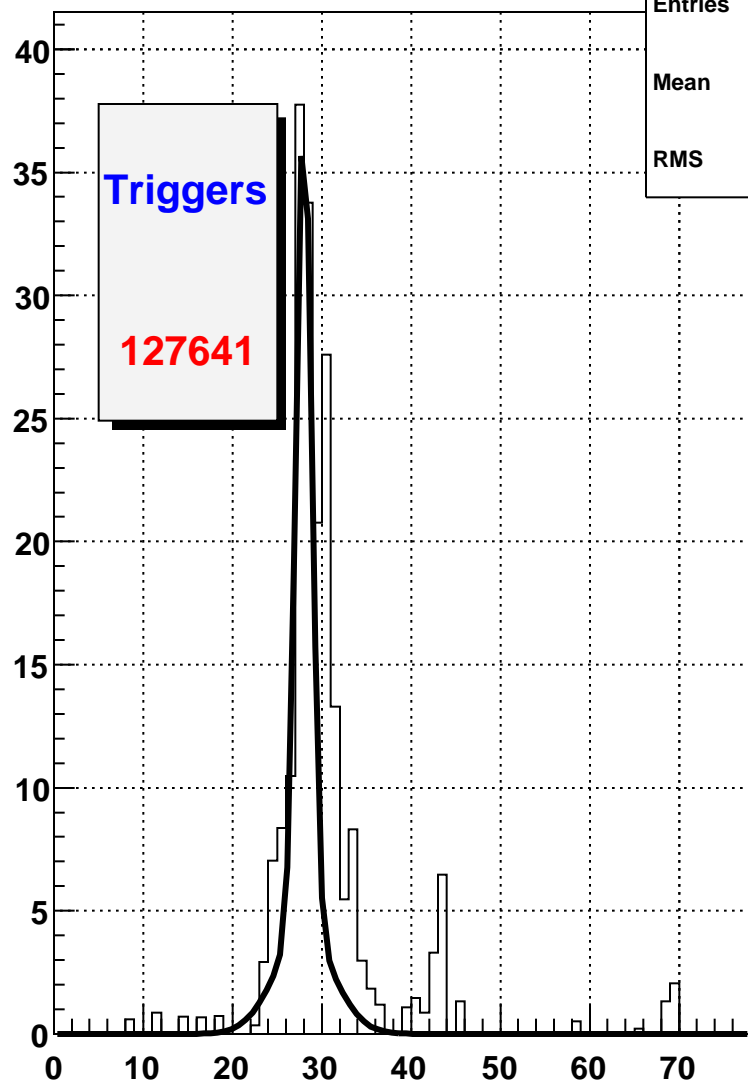
Entries	37
Mean	50.7
RMS	9.432



Run=7099045, Event=3780

**hSmdu**

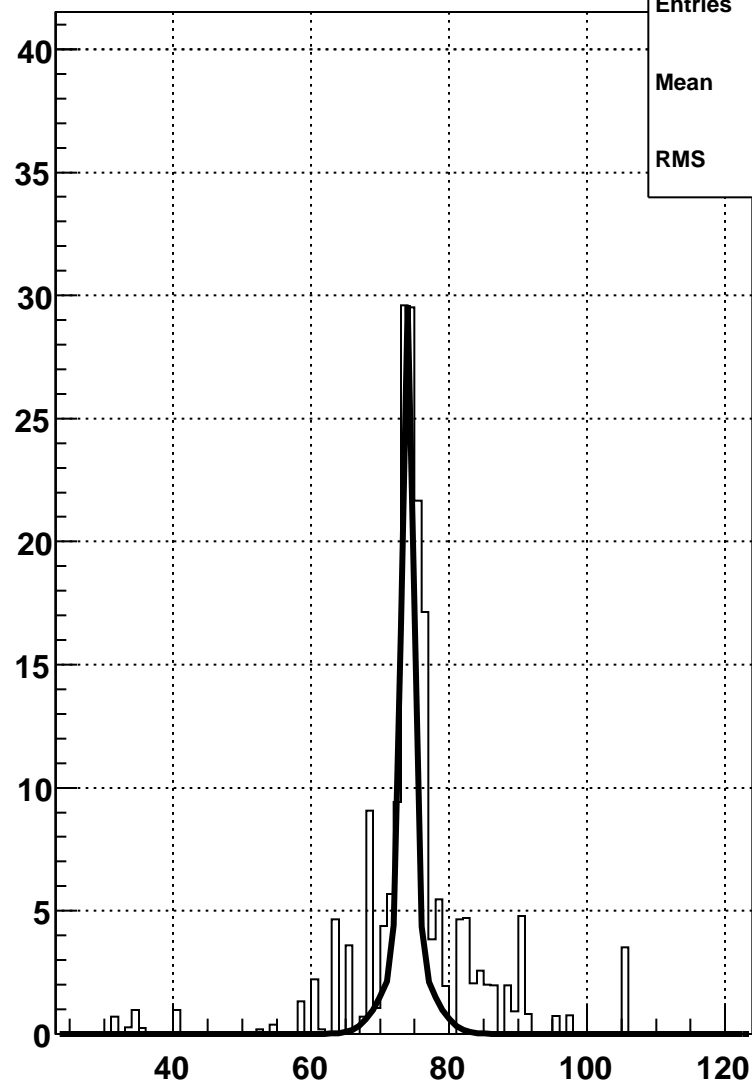
Entries	31
Mean	30.48
RMS	7.143



$p_T=5.0$  GeV,  $E=17.1$  GeV

**hSmdv**

Entries	38
Mean	75.1
RMS	8.985

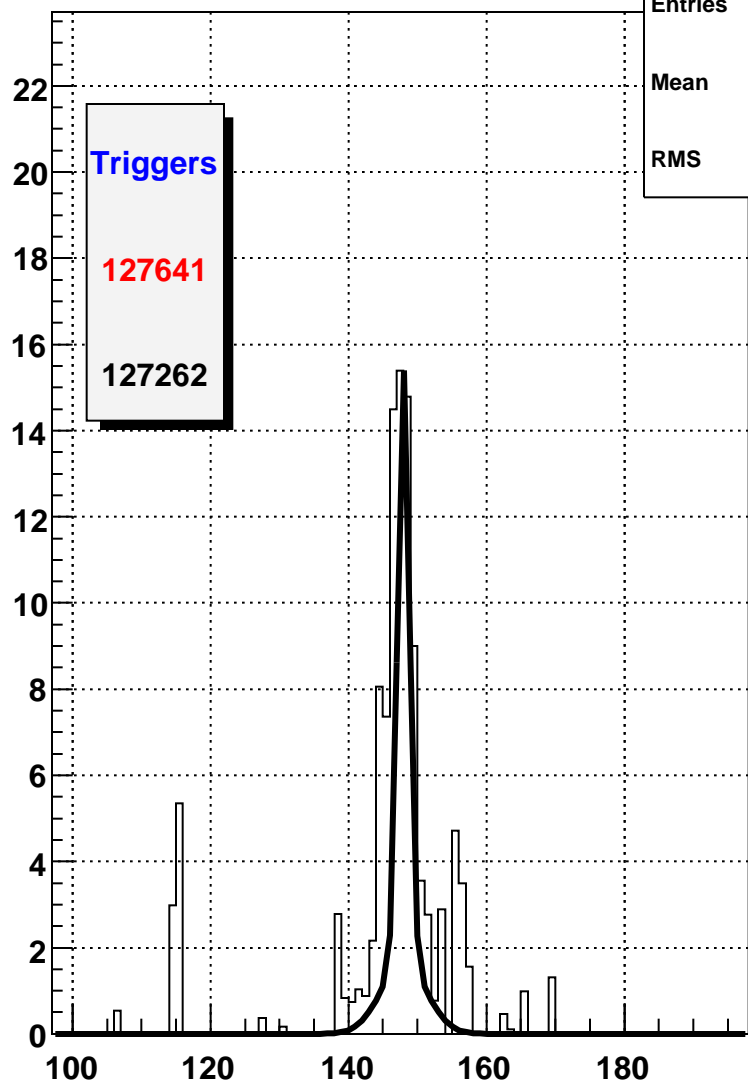




Run=7099034, Event=134003

**hSmdu**

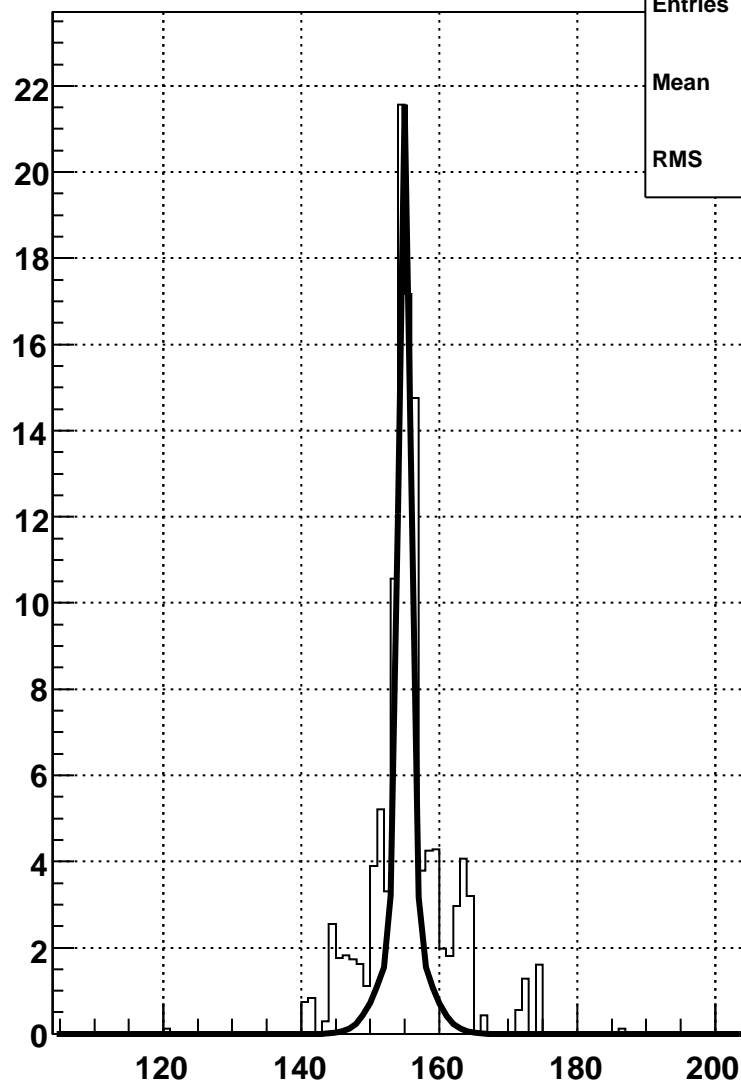
Entries	28
Mean	145.7
RMS	10.5



$p_T=5.3$  GeV,  $E=11.8$  GeV

**hSmdv**

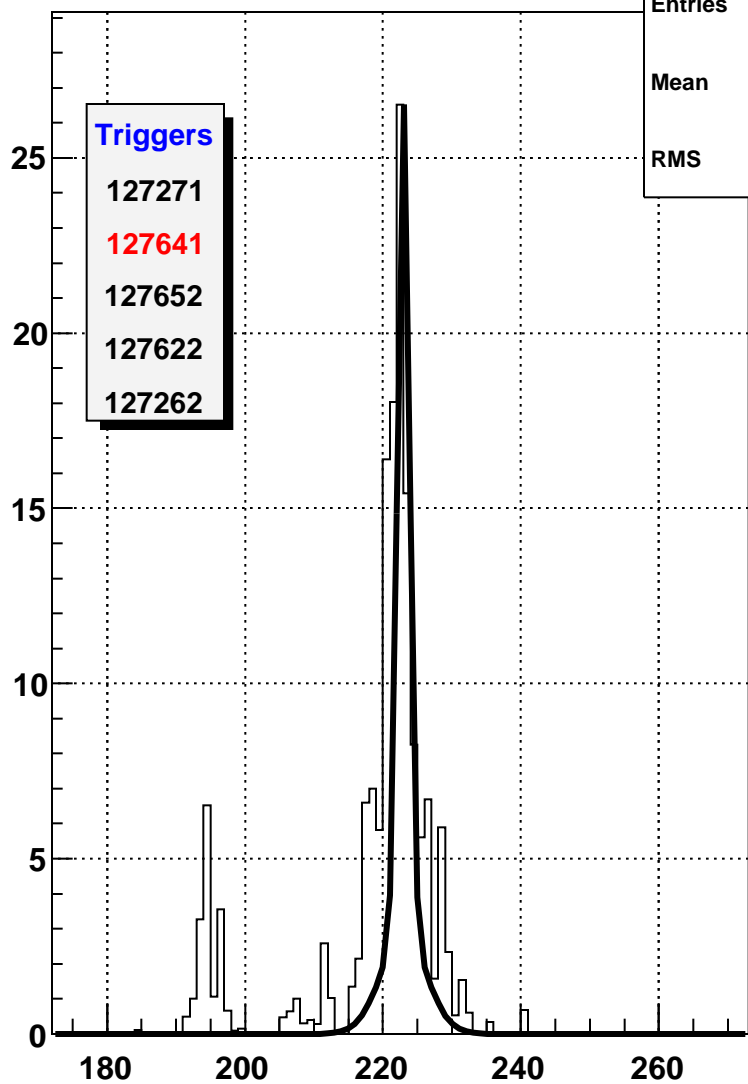
Entries	30
Mean	155.6
RMS	5.664



Run=7099034, Event=86956

**hSmdu**

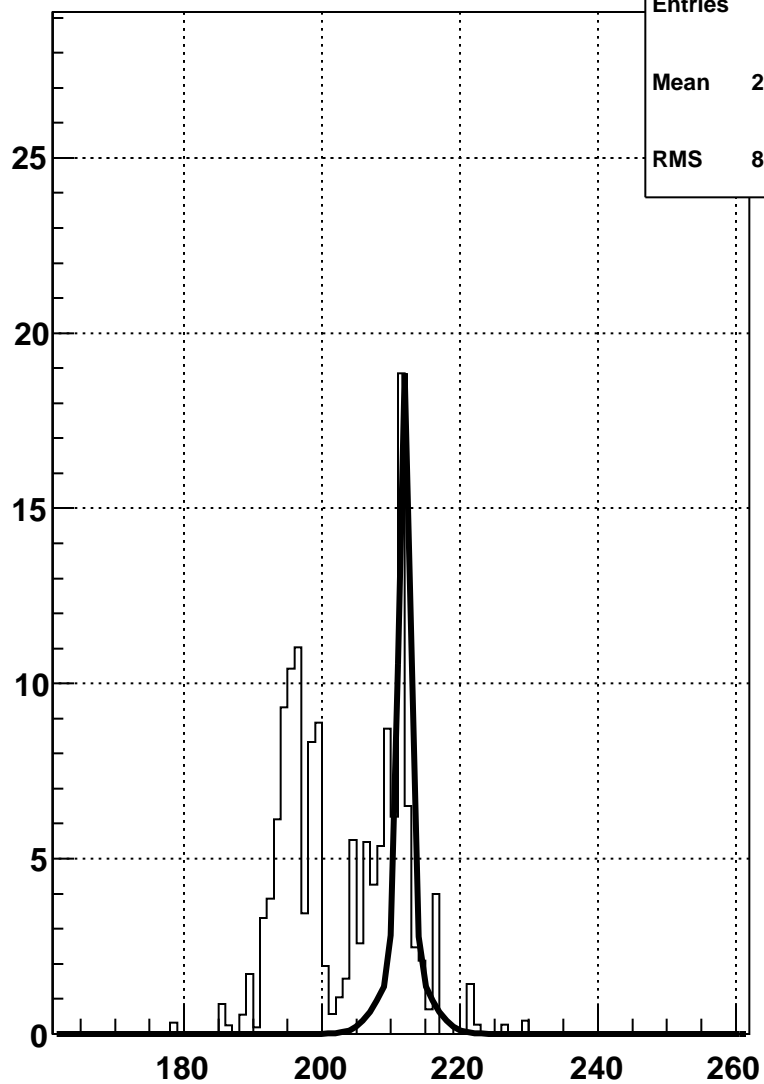
Entries	40
Mean	219.1
RMS	9.468



$p_T=7.0$  GeV,  $E=12.5$  GeV

**hSmdv**

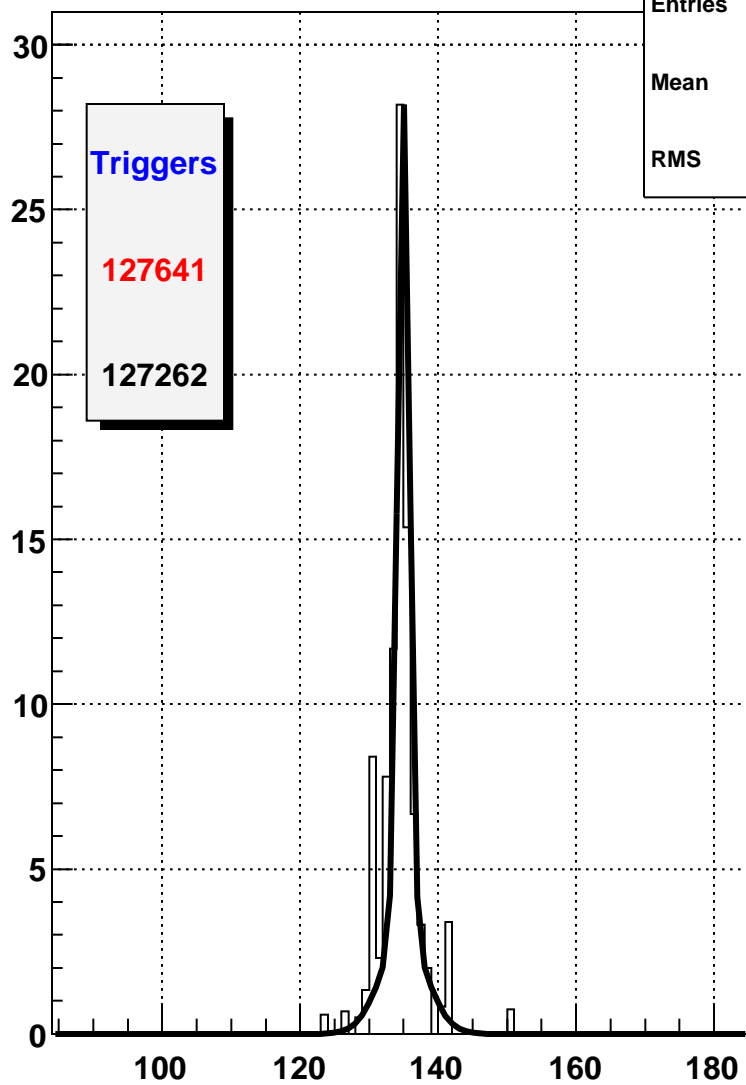
Entries	39
Mean	203.3
RMS	8.167



Run=7099034, Event=88706

**hSmdu**

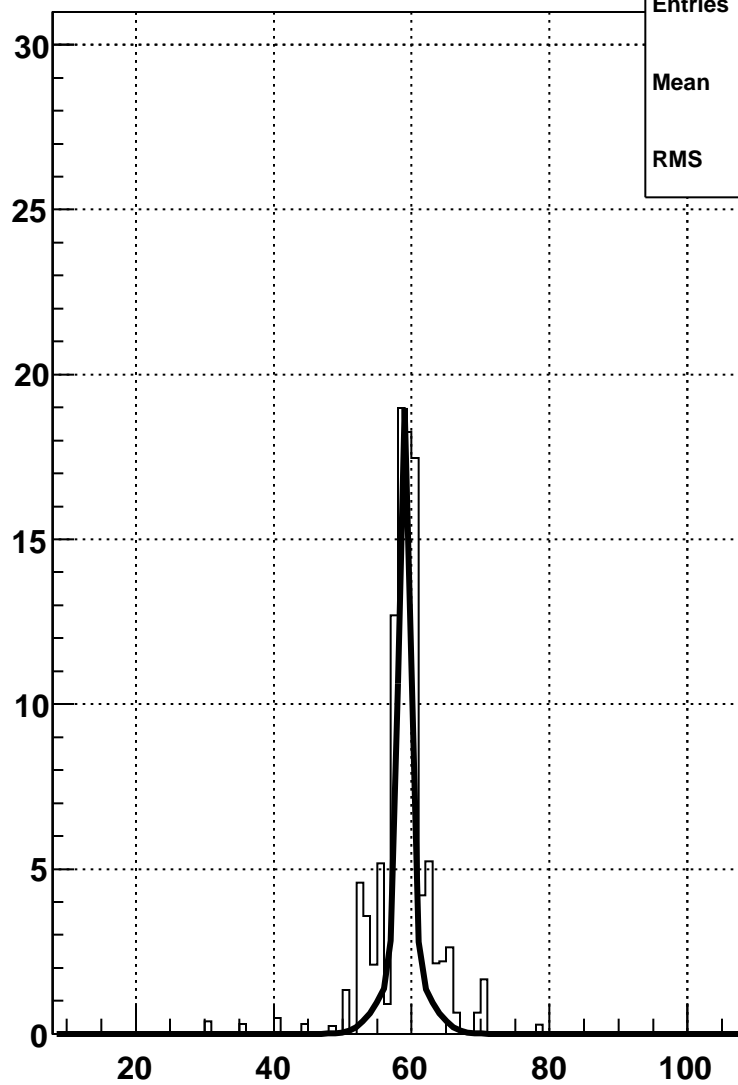
Entries	16
Mean	134.5
RMS	3.014



$p_T=5.4$  GeV,  $E=10.5$  GeV

**hSmdv**

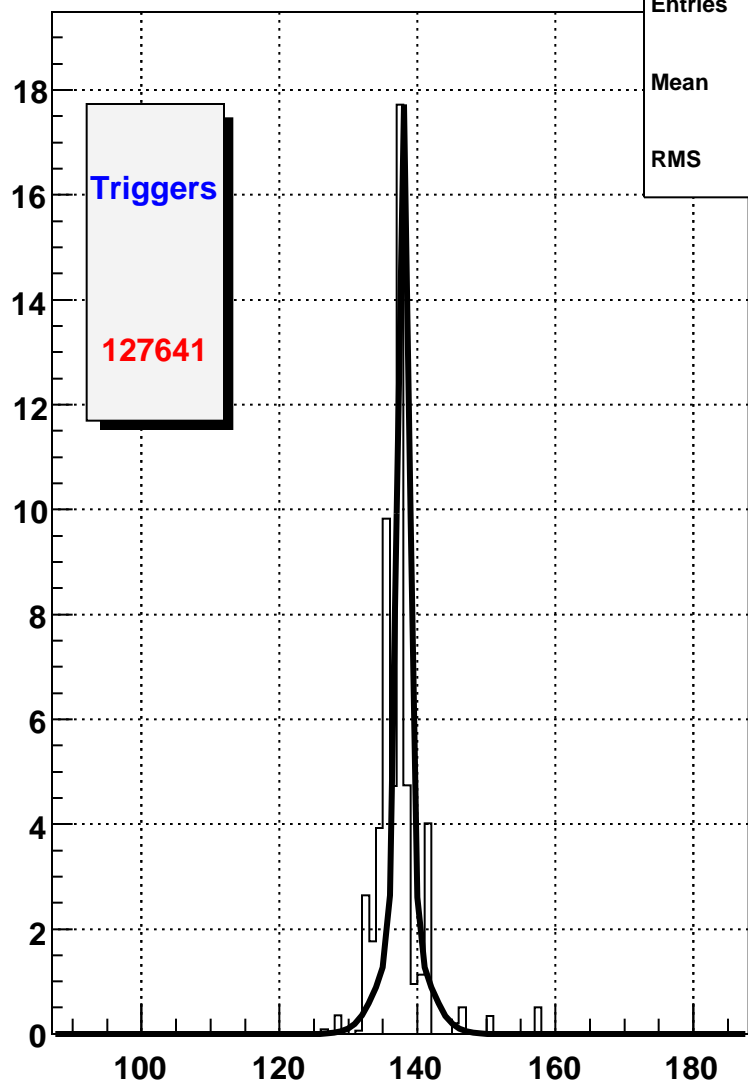
Entries	24
Mean	58.87
RMS	4.39



Run=7099045, Event=9112

**hSmdu**

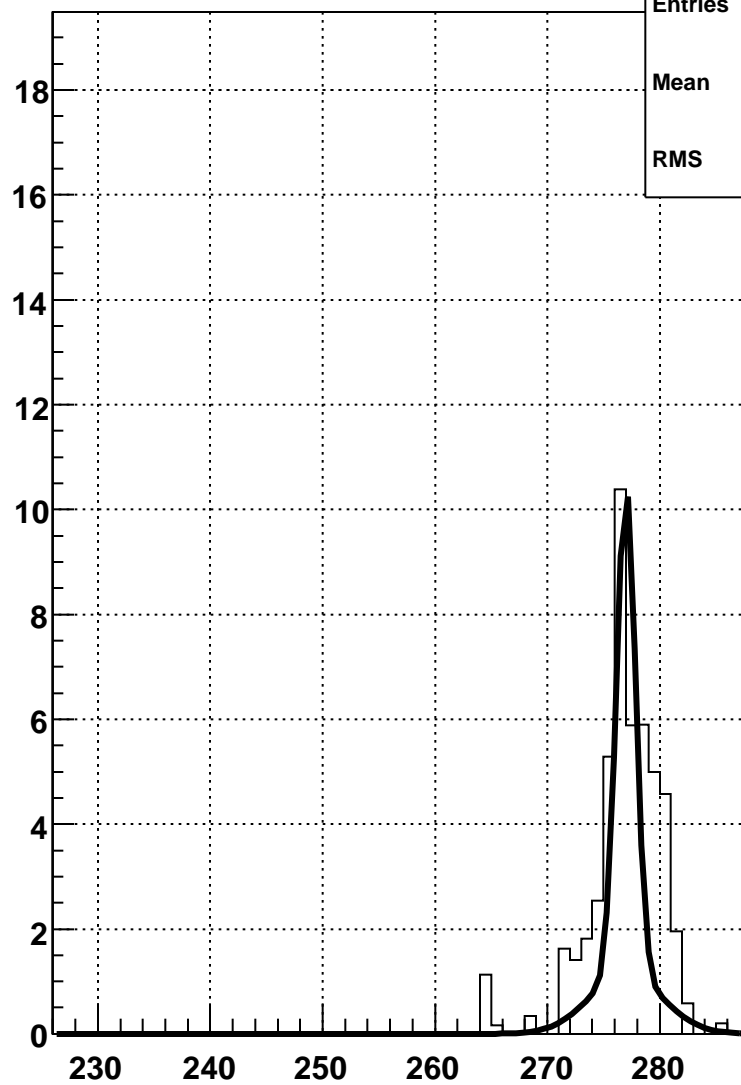
Entries	34
Mean	137.2
RMS	3.375



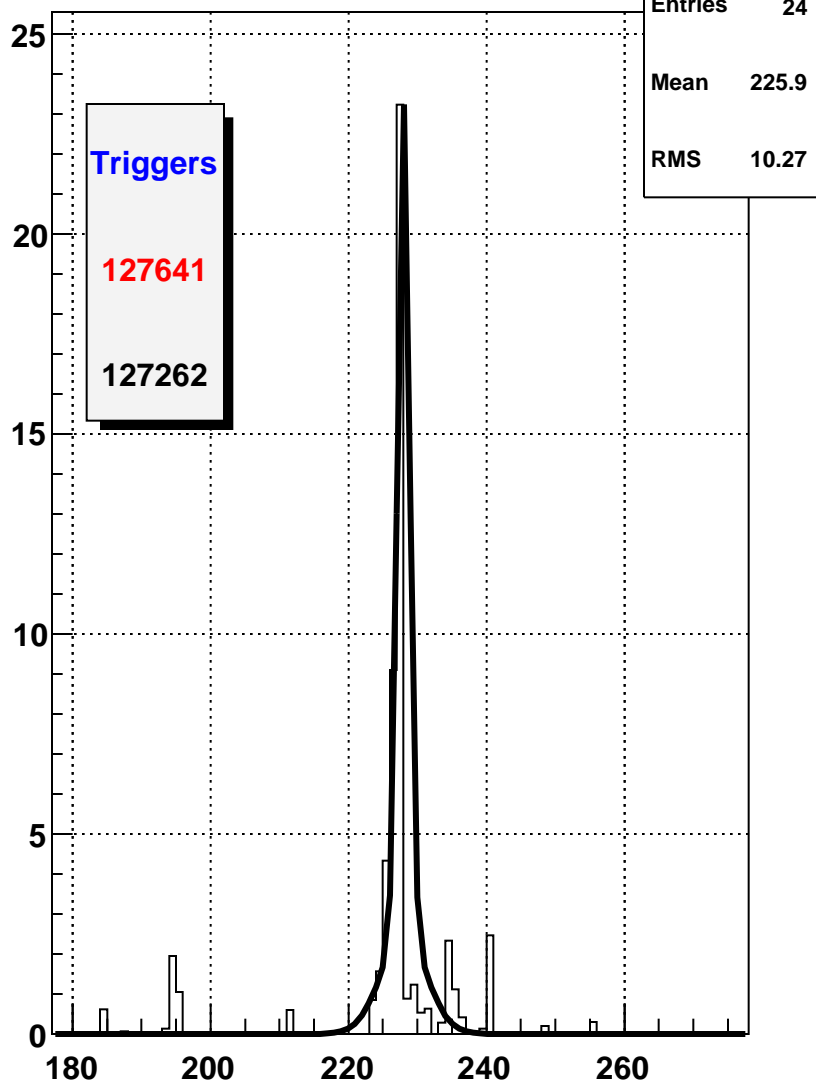
$p_T=5.6$  GeV,  $E=9.9$  GeV

**hSmdv**

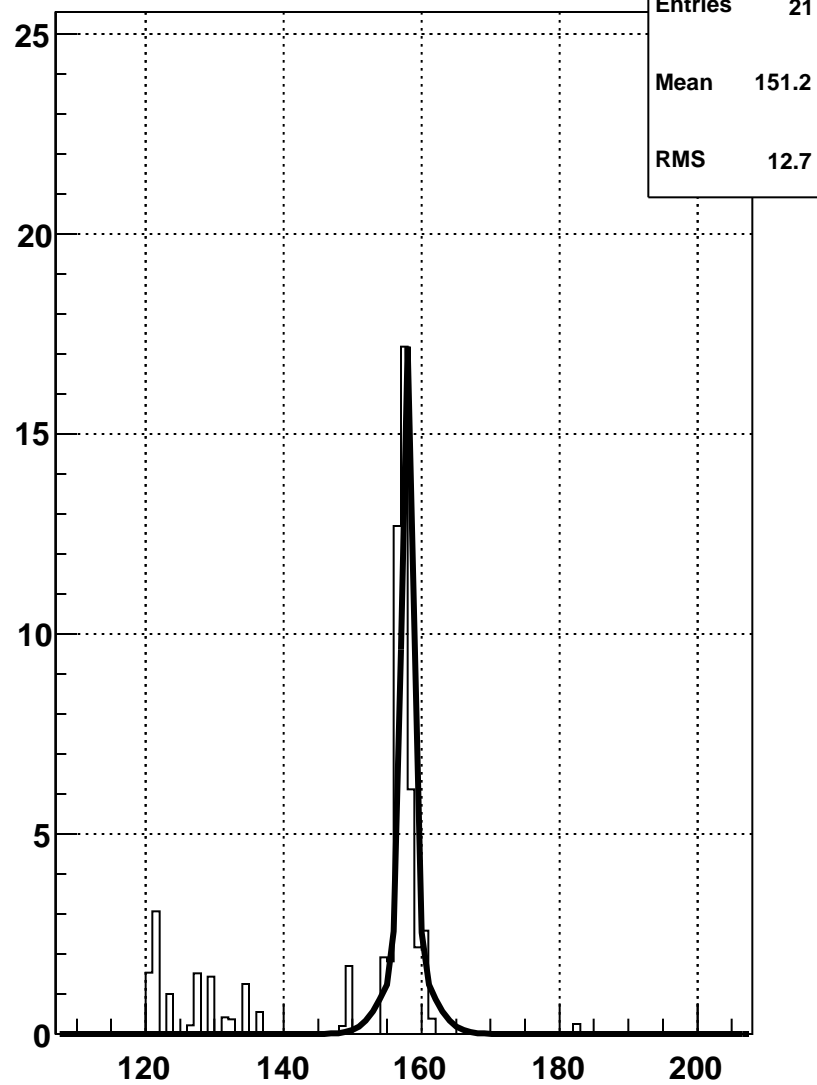
Entries	34
Mean	276.9
RMS	3.285



Run=7099045, Event=10269



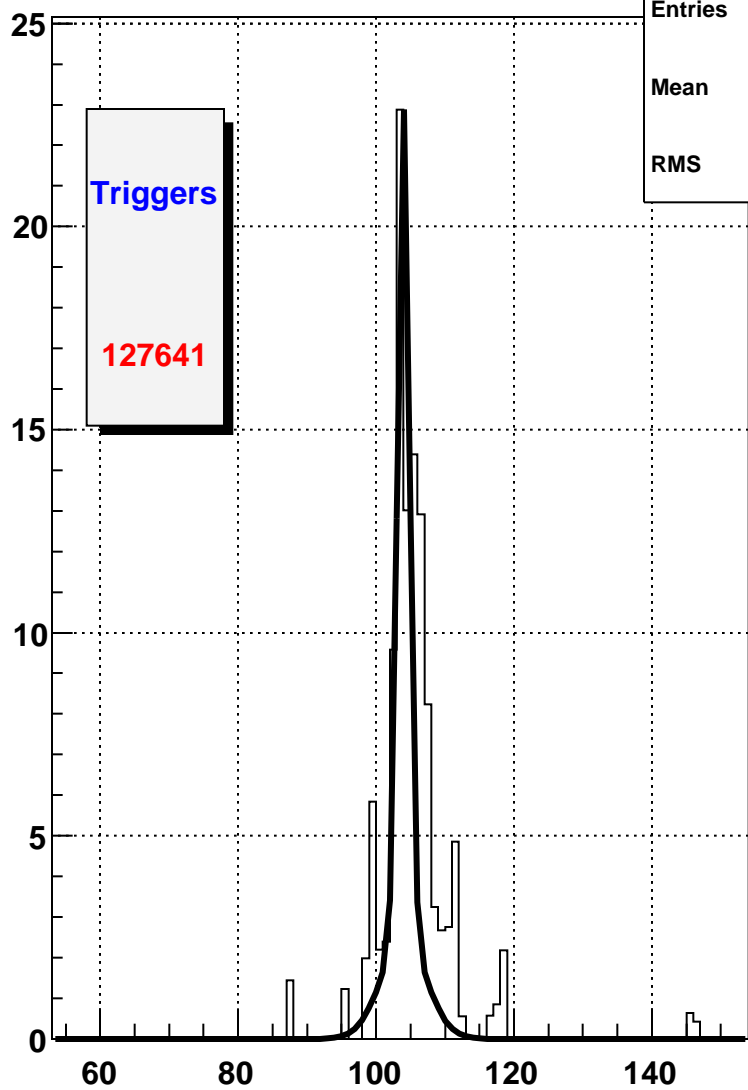
$p_T=5.8$  GeV,  $E=11.8$  GeV



Run=7099045, Event=10360

**hSmdu**

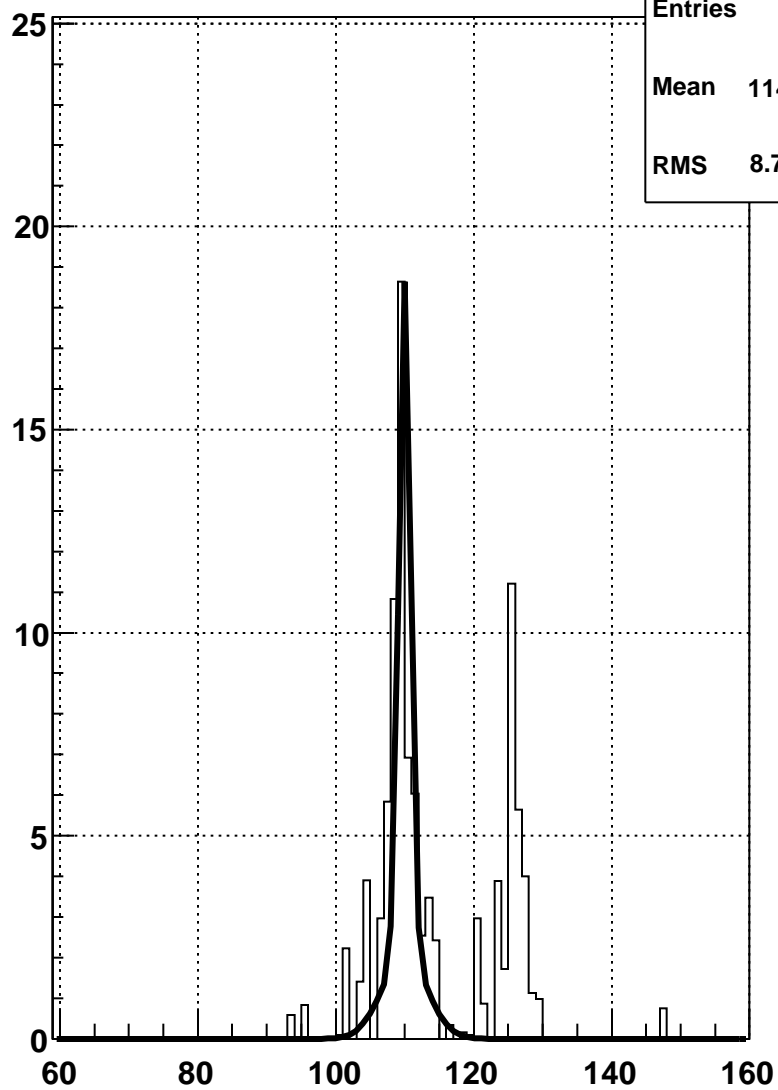
Entries	22
Mean	105.4
RMS	5.801



$p_T=5.6$  GeV,  $E=13.4$  GeV

**hSmdv**

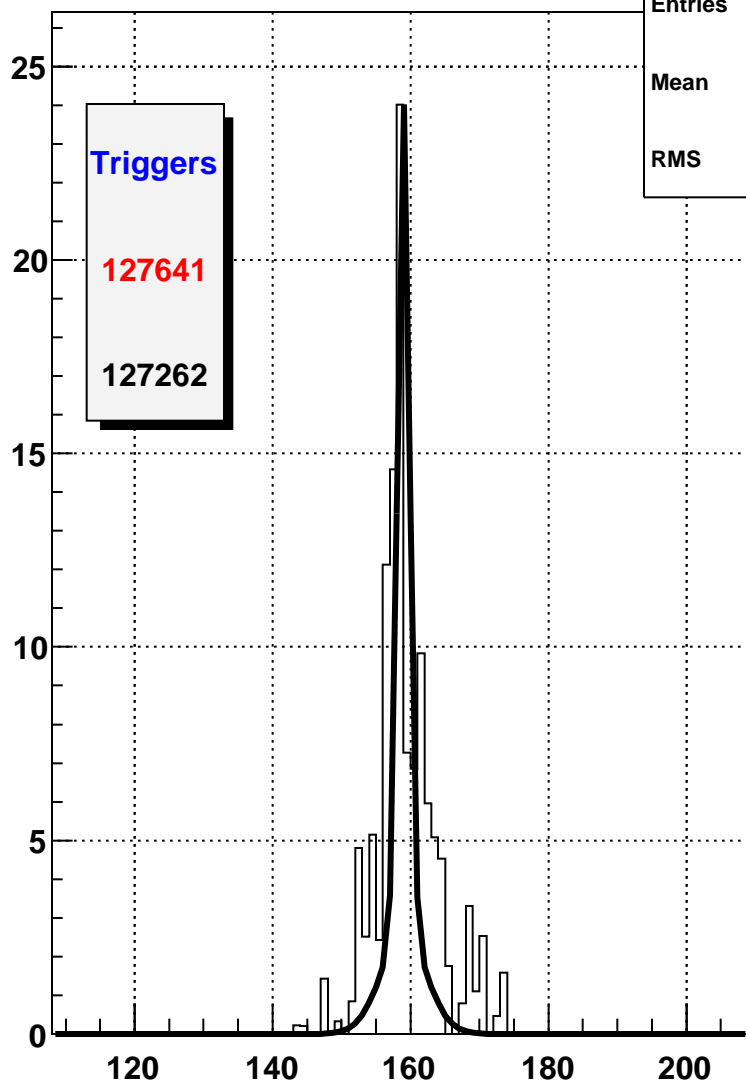
Entries	28
Mean	114.4
RMS	8.711



Run=7099045, Event=25586

**hSmdu**

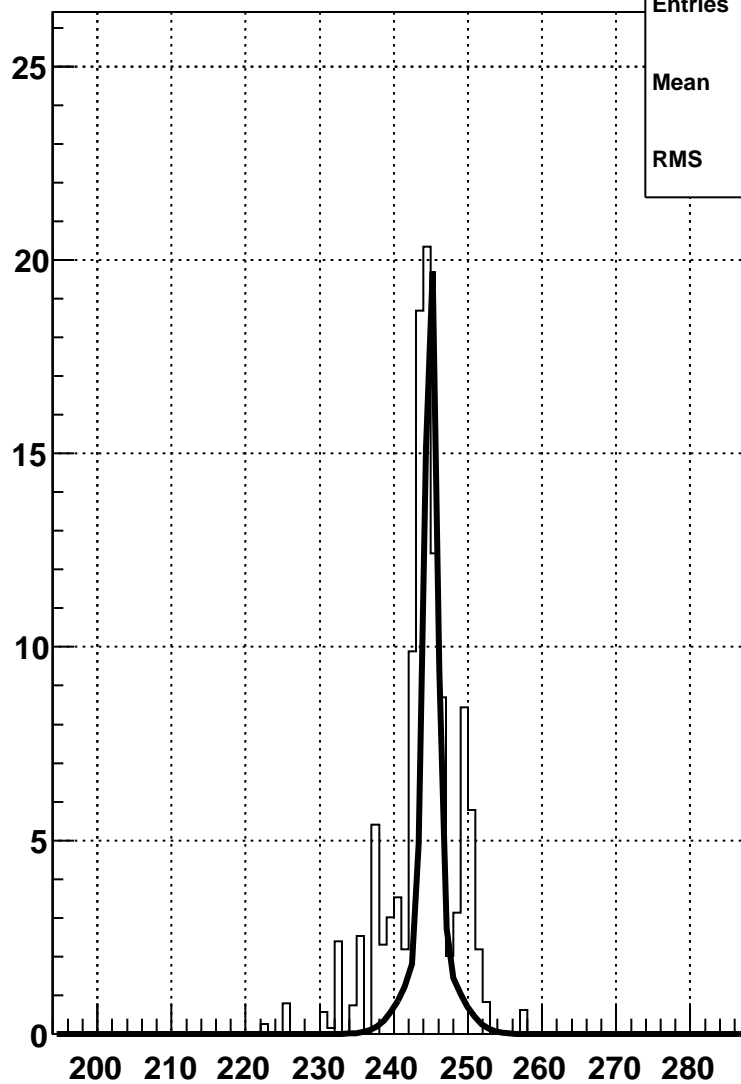
Entries	25
Mean	159.4
RMS	4.622



$p_T=5.8$  GeV,  $E=10.4$  GeV

**hSmdv**

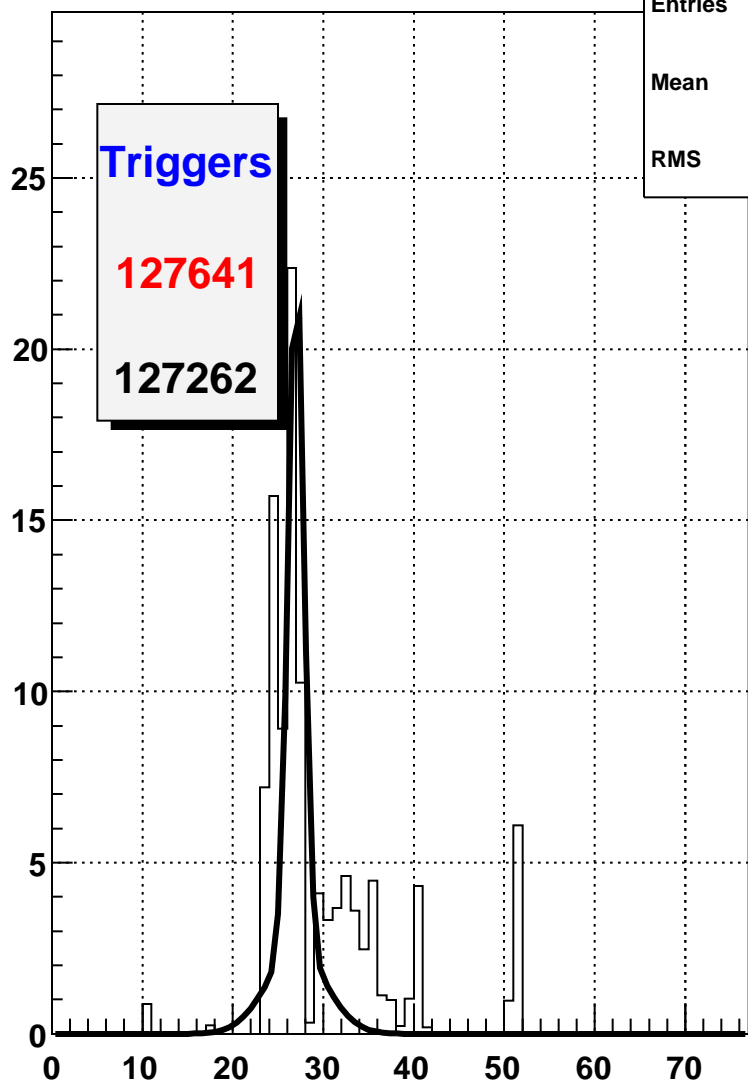
Entries	24
Mean	244
RMS	4.613



Run=7099045, Event=32577

**hSmdu**

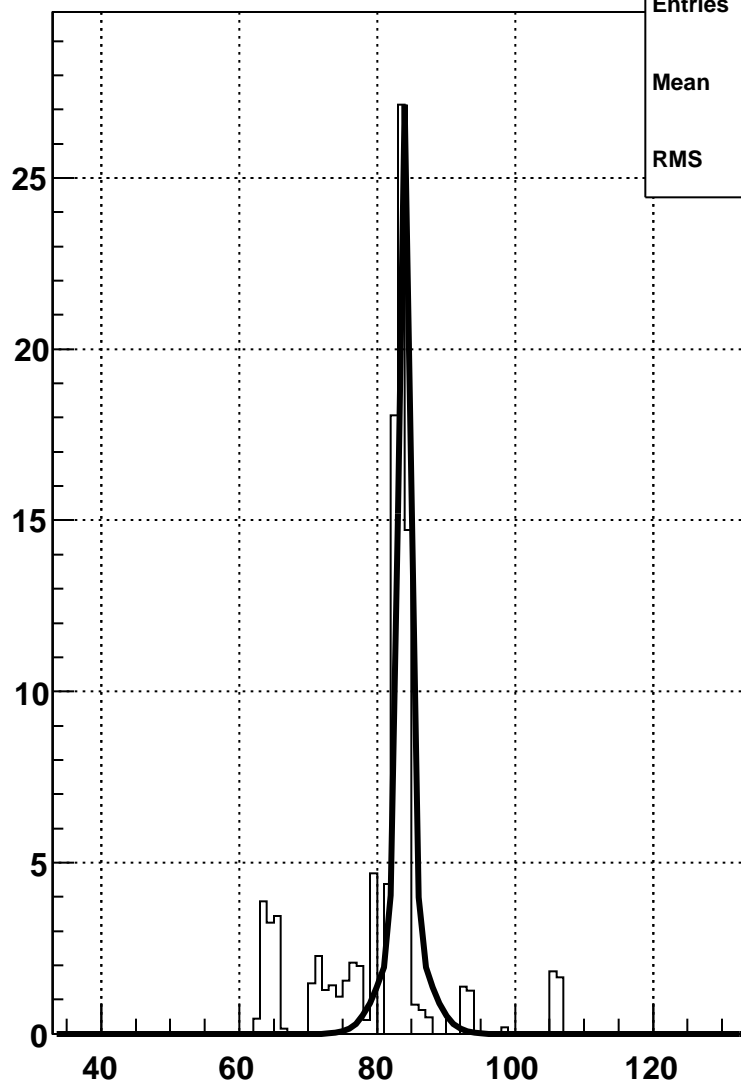
Entries	23
Mean	29.92
RMS	7.407



$p_T=5.1$  GeV,  $E=16.5$  GeV

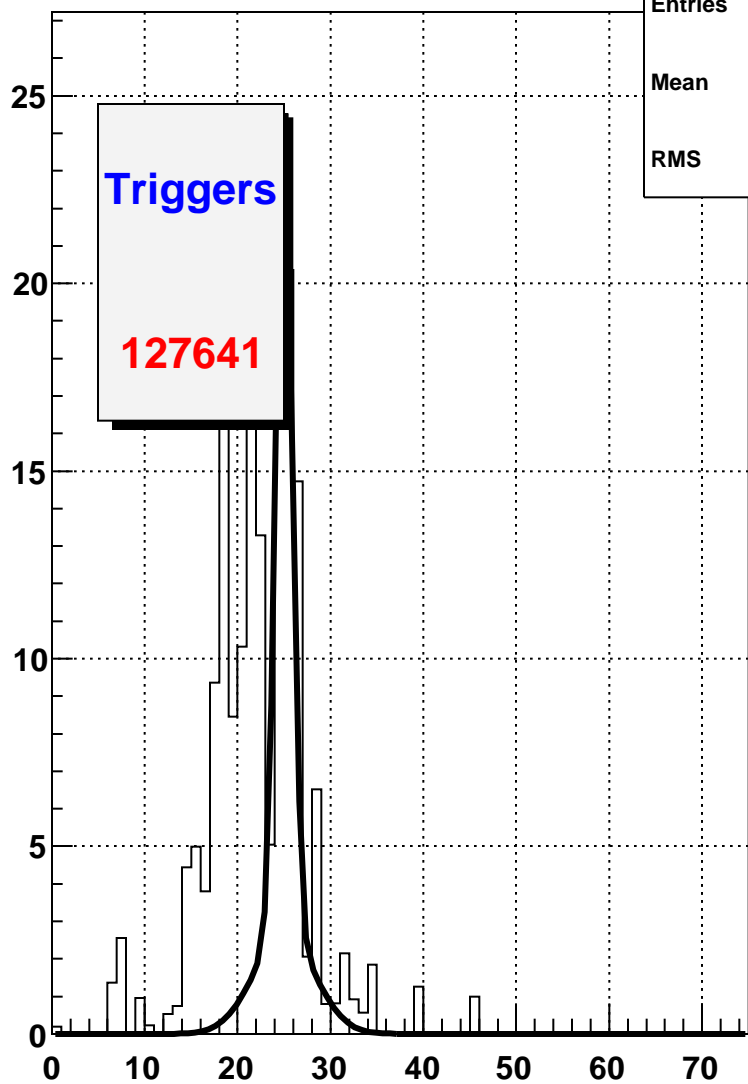
**hSmdv**

Entries	27
Mean	80.98
RMS	8.193

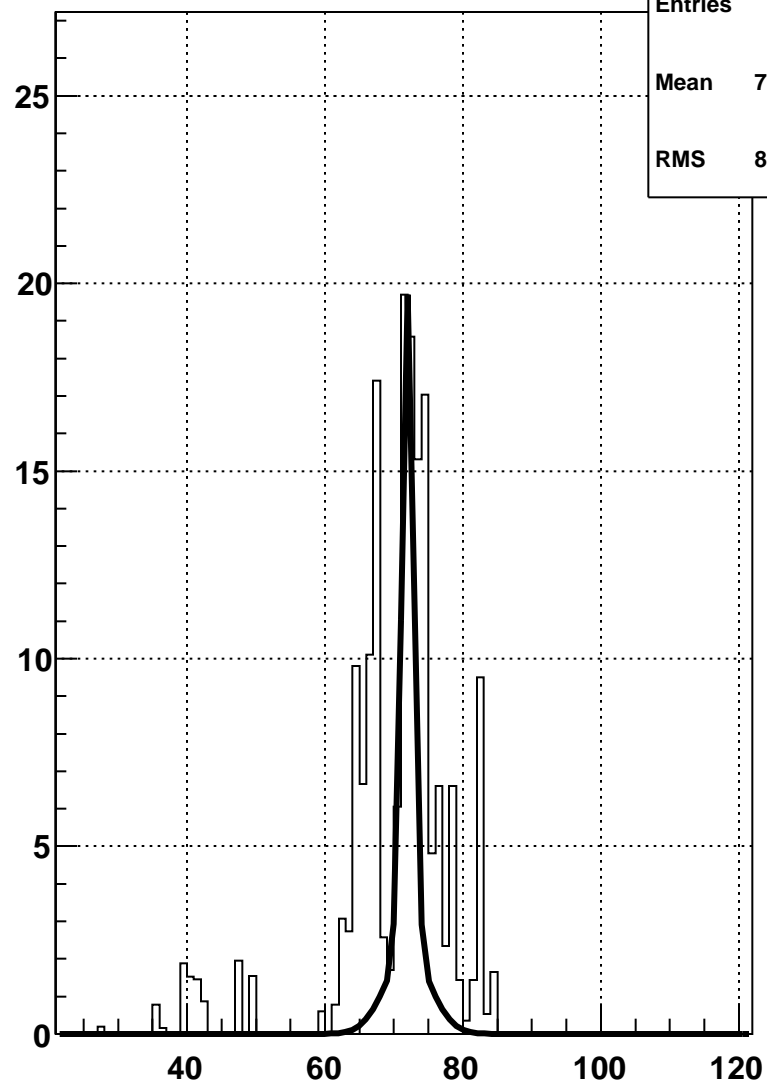




Run=7099045, Event=51379



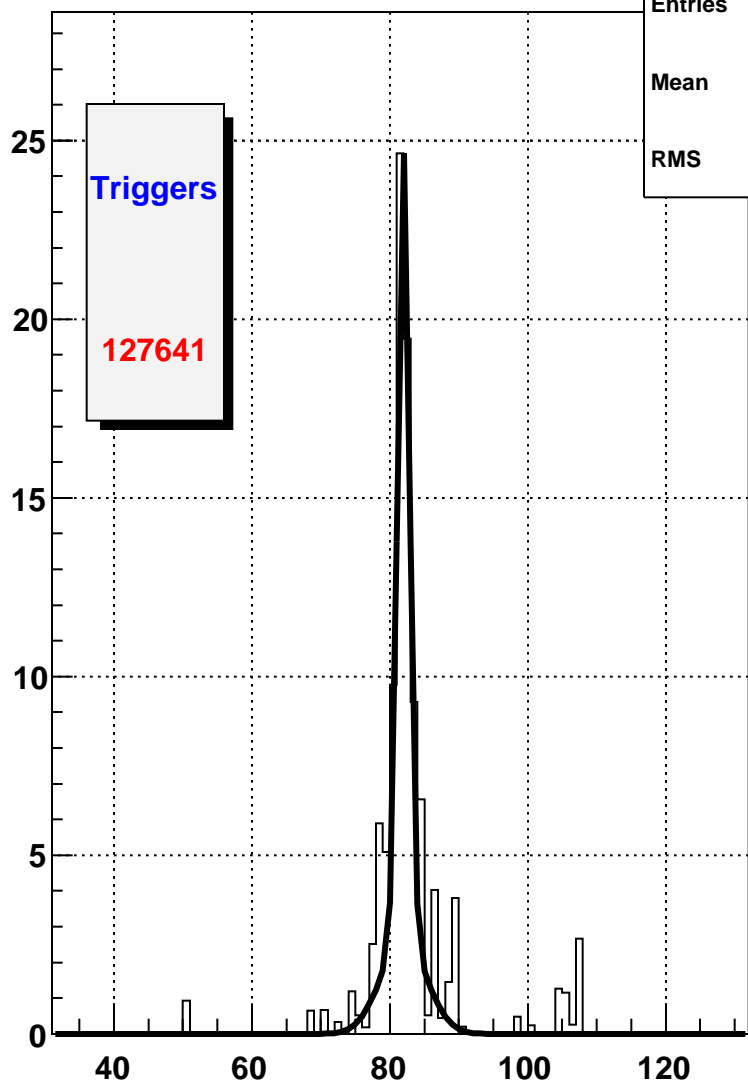
$p_T=6.4$  GeV,  $E=19.5$  GeV



Run=7099045, Event=53391

**hSmdu**

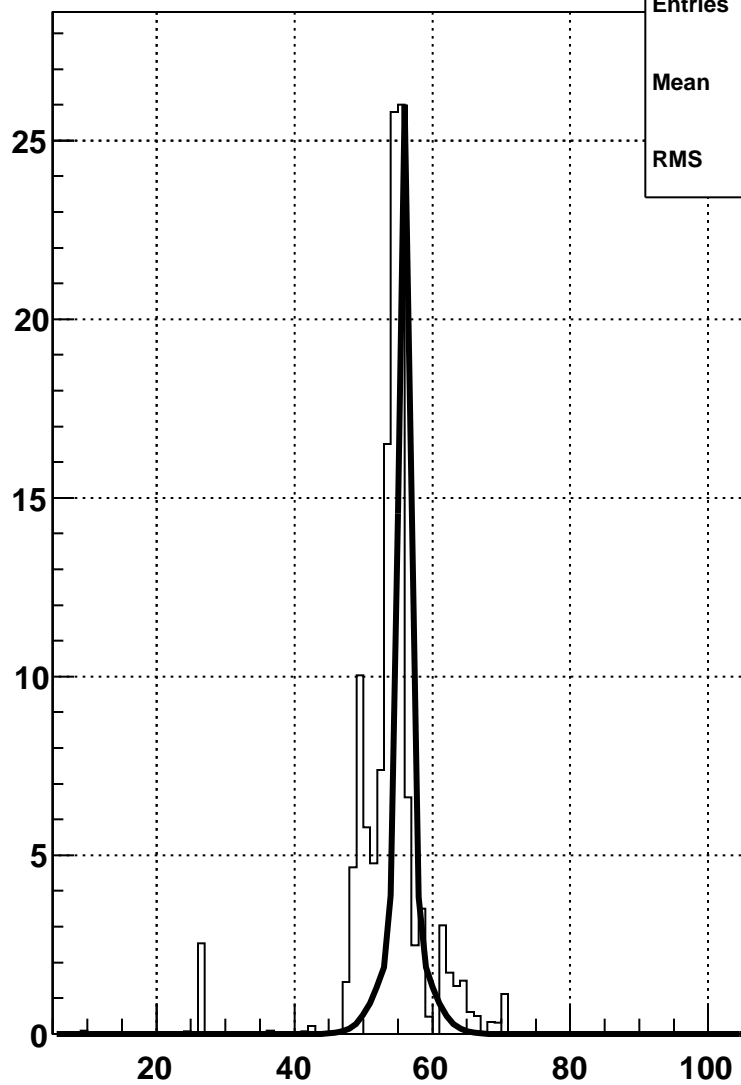
Entries	27
Mean	83.06
RMS	7.031



$p_T=5.5$  GeV,  $E=16.1$  GeV

**hSmdv**

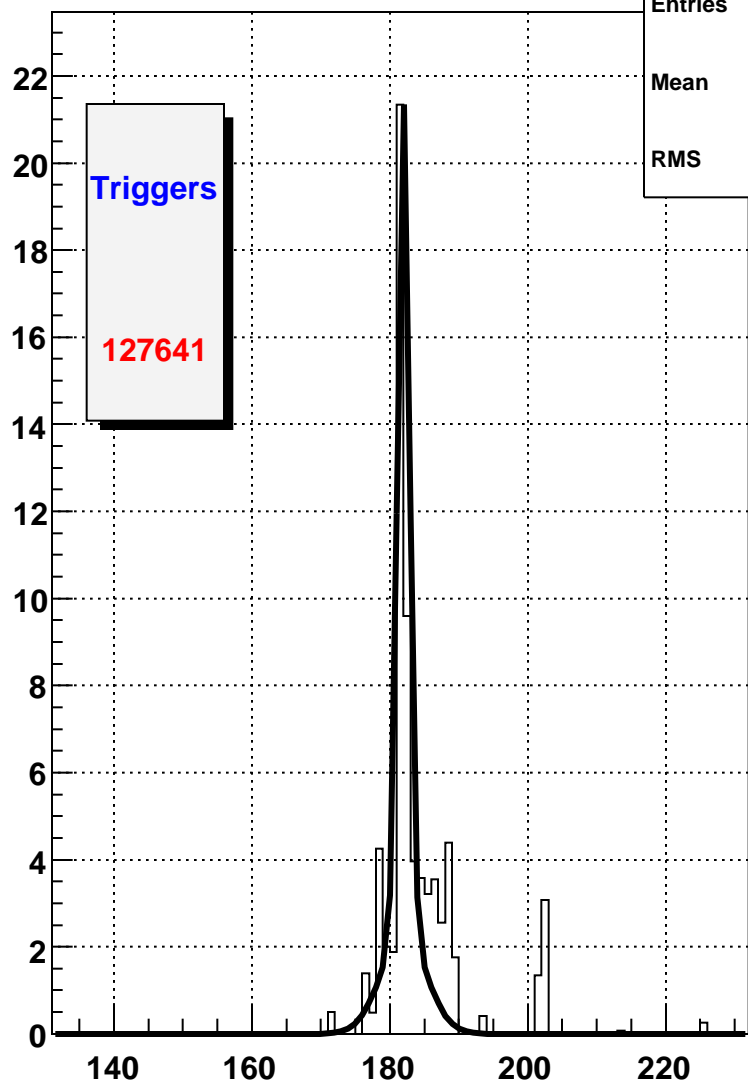
Entries	28
Mean	53.93
RMS	5.674



Run=7099045, Event=68202

**hSmdu**

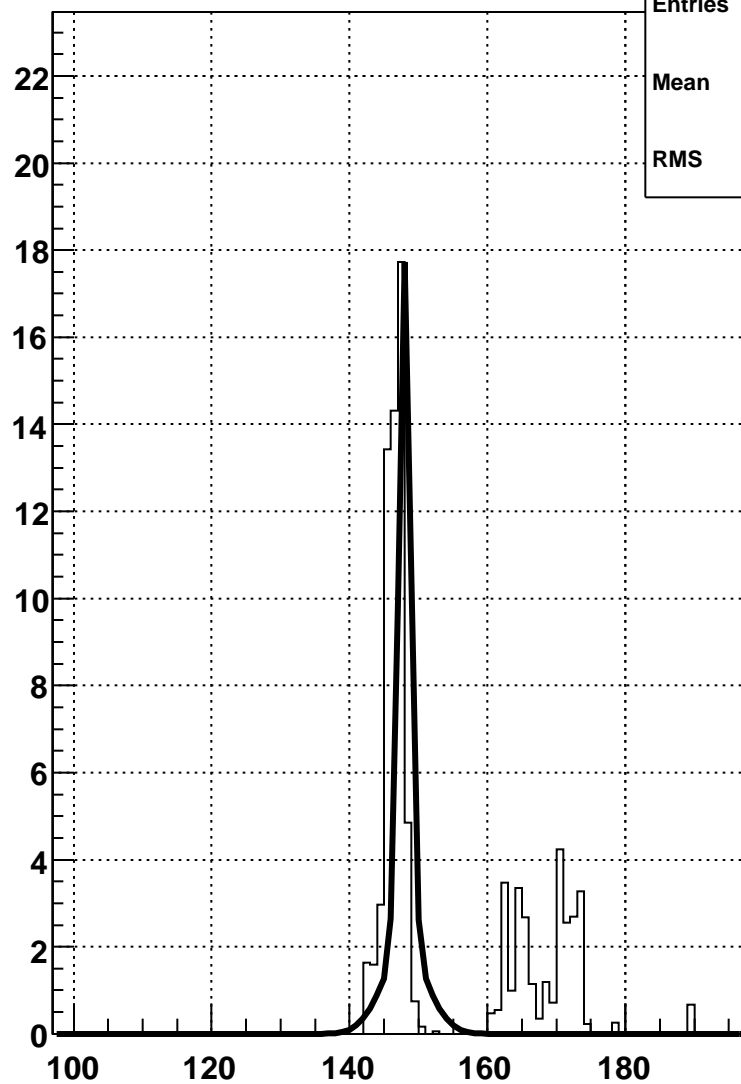
Entries	20
Mean	184.3
RMS	6.255



$p_T=5.2$  GeV,  $E=9.9$  GeV

**hSmdv**

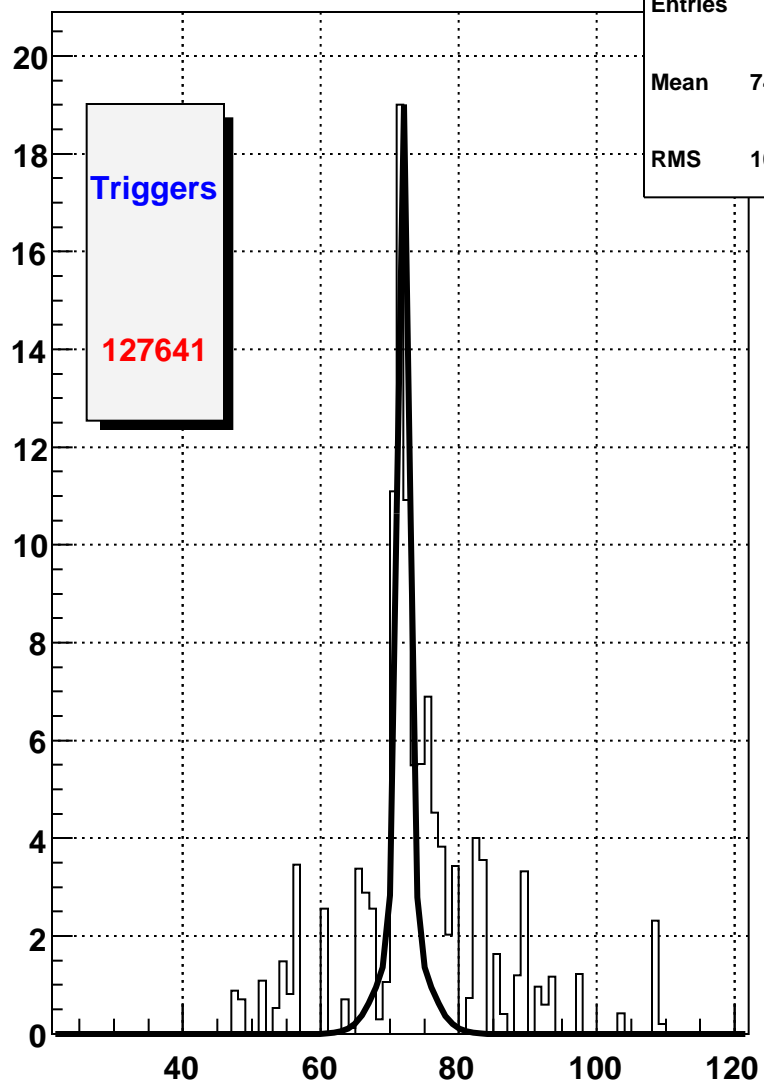
Entries	28
Mean	153.9
RMS	10.94



Run=7099045, Event=80849

**hSmdu**

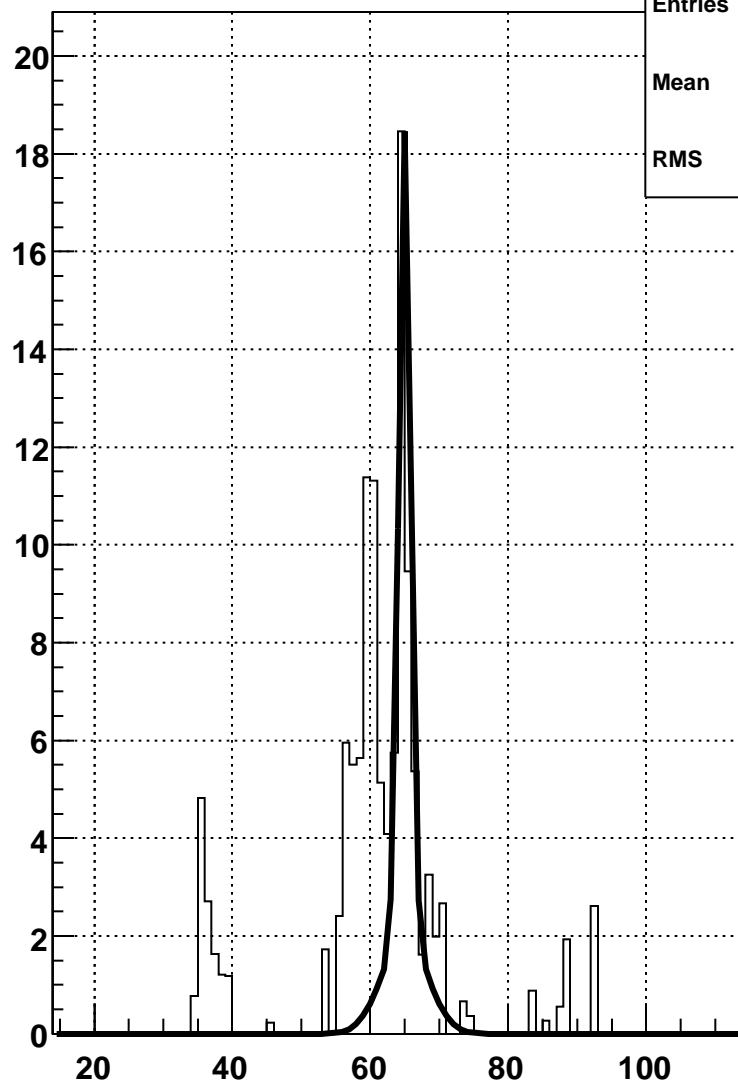
Entries	39
Mean	74.06
RMS	10.27



$p_T=5.2$  GeV,  $E=16.4$  GeV

**hSmdv**

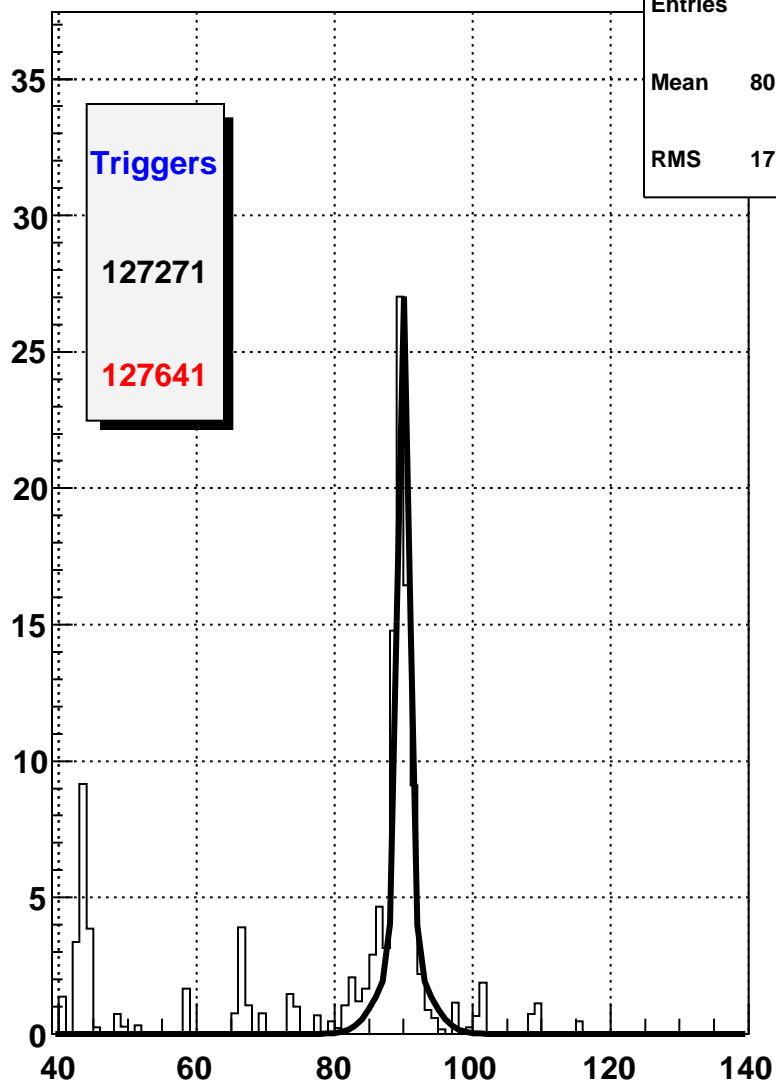
Entries	31
Mean	61.11
RMS	10.86



Run=7099045, Event=81650

**hSmdu**

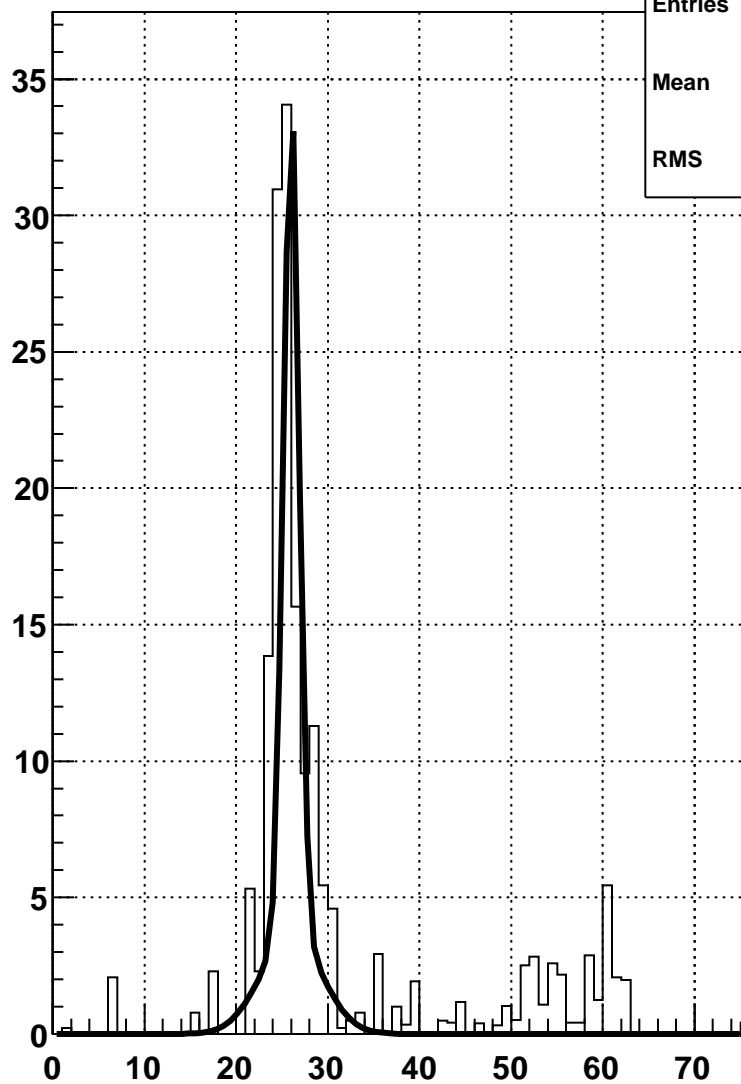
Entries	67
Mean	80.88
RMS	17.58



$p_T=5.7$  GeV,  $E=21.4$  GeV

**hSmdv**

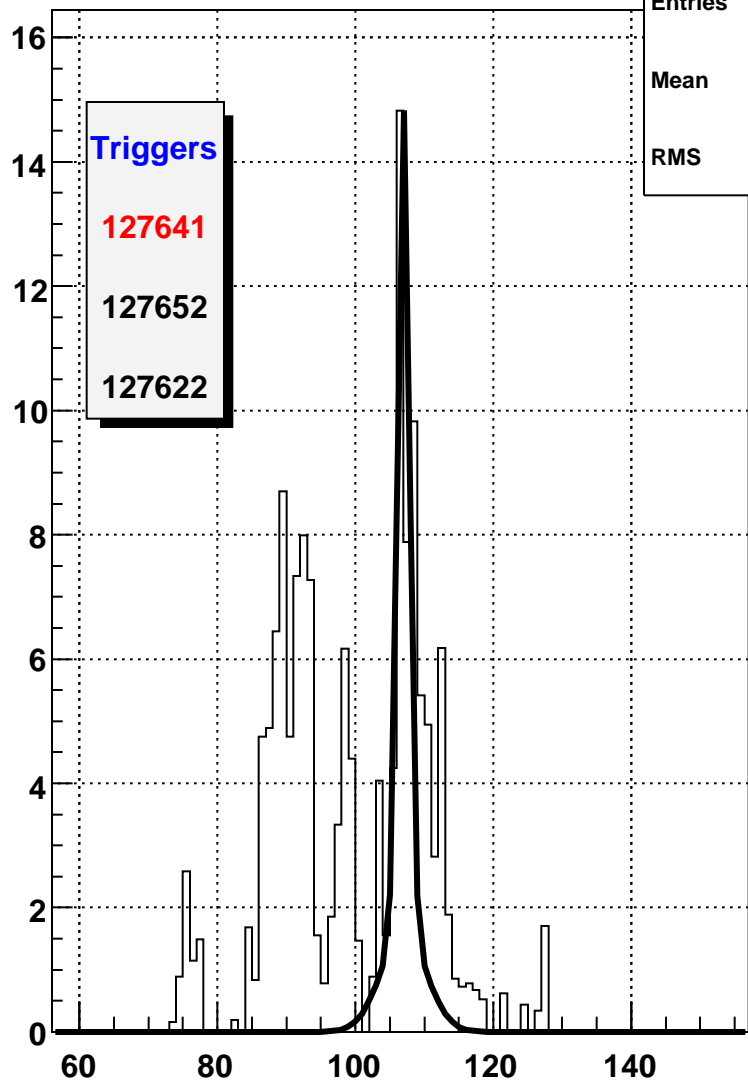
Entries	68
Mean	30.97
RMS	12.26



Run=7099045, Event=81685

**hSmdu**

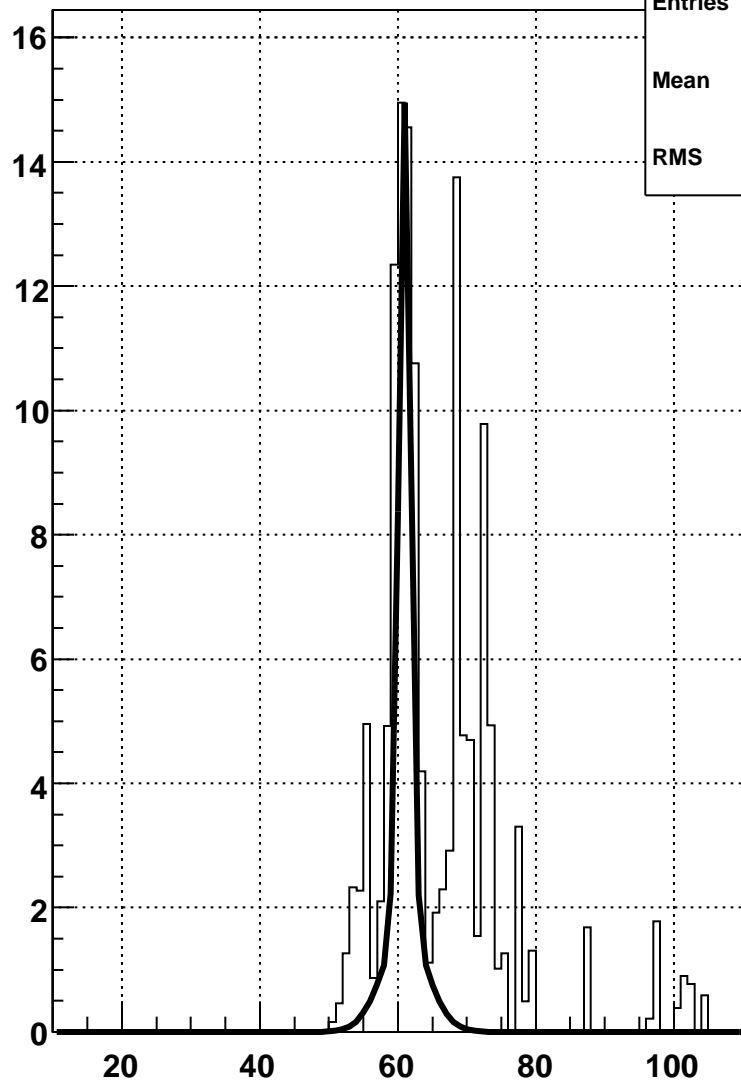
Entries	45
Mean	99.52
RMS	10.66



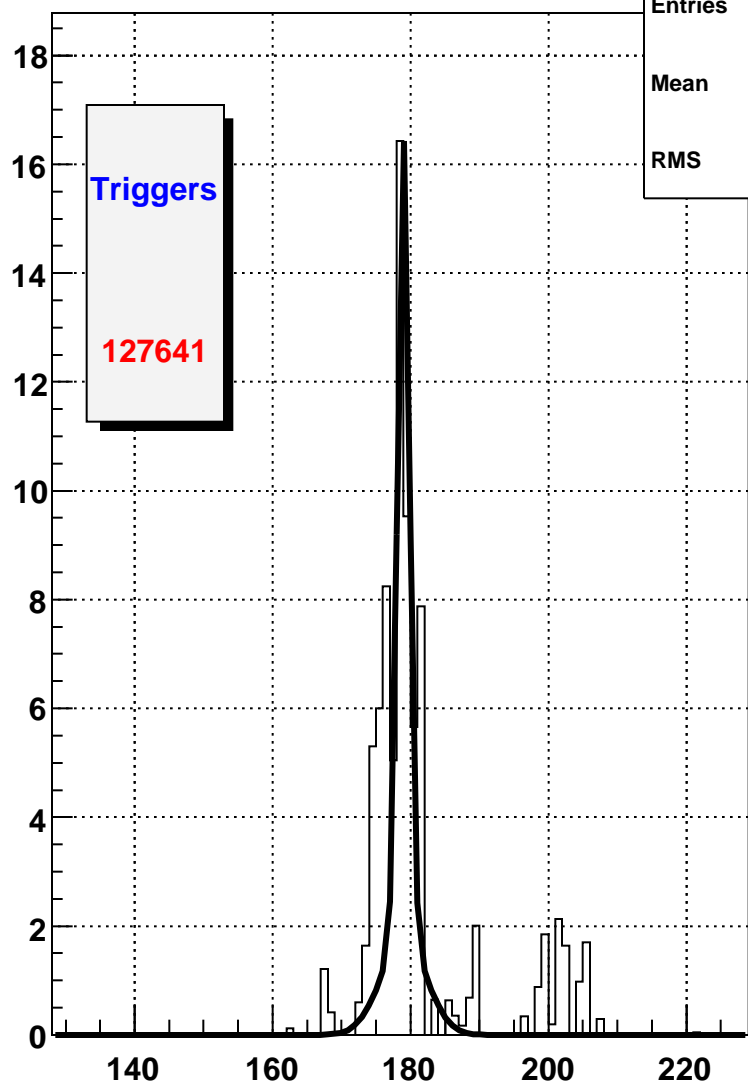
$p_T=6.7$  GeV,  $E=14.8$  GeV

**hSmdv**

Entries	36
Mean	65.92
RMS	9.206



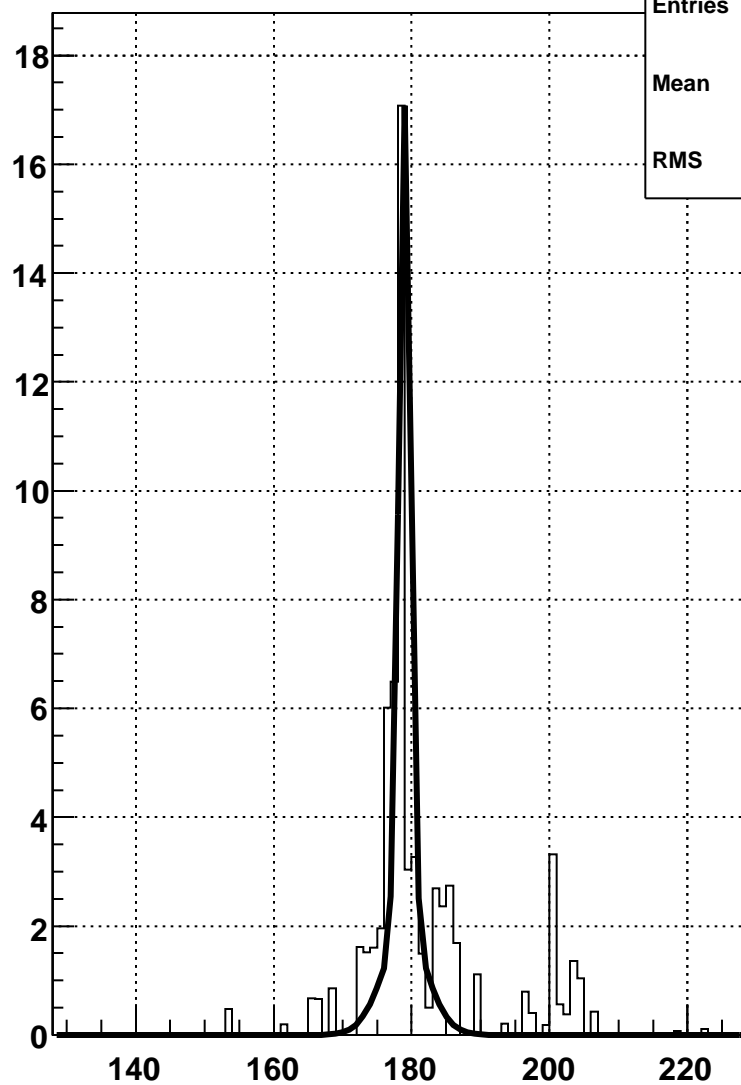
Run=7099045, Event=82240



**hSmdu**

Entries	29
Mean	181.3
RMS	8.515

$p_T=6.3$  GeV,  $E=10.7$  GeV



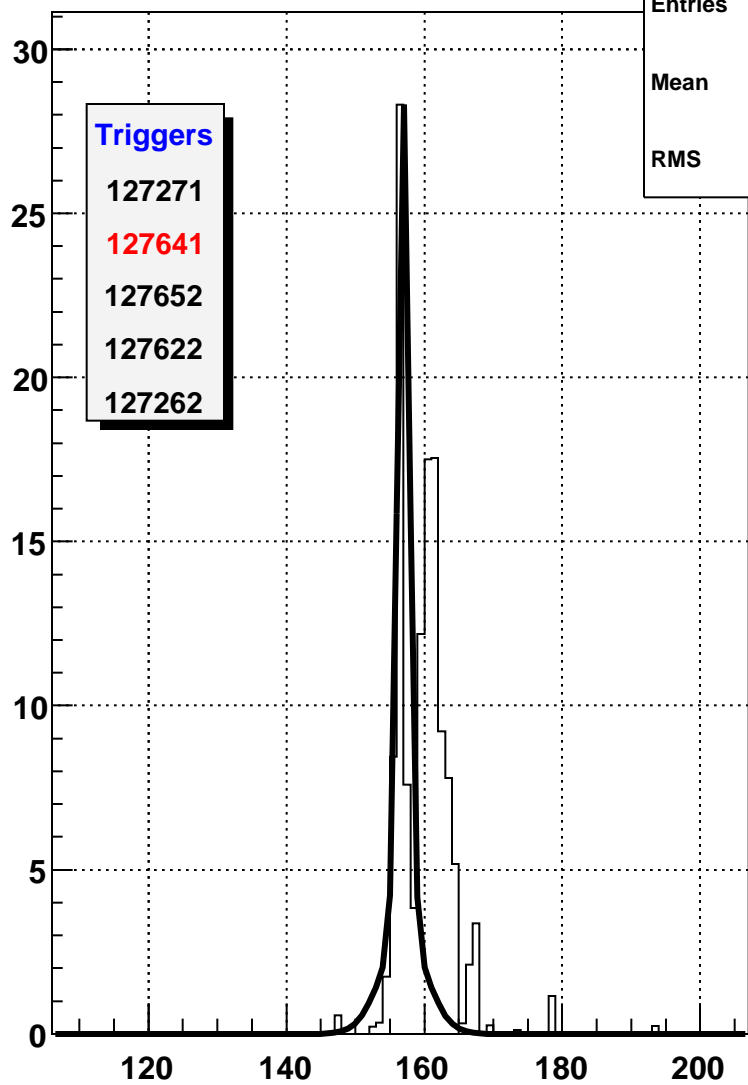
**hSmdv**

Entries	33
Mean	181.6
RMS	9.162

Run=7099045, Event=82665

**hSmdu**

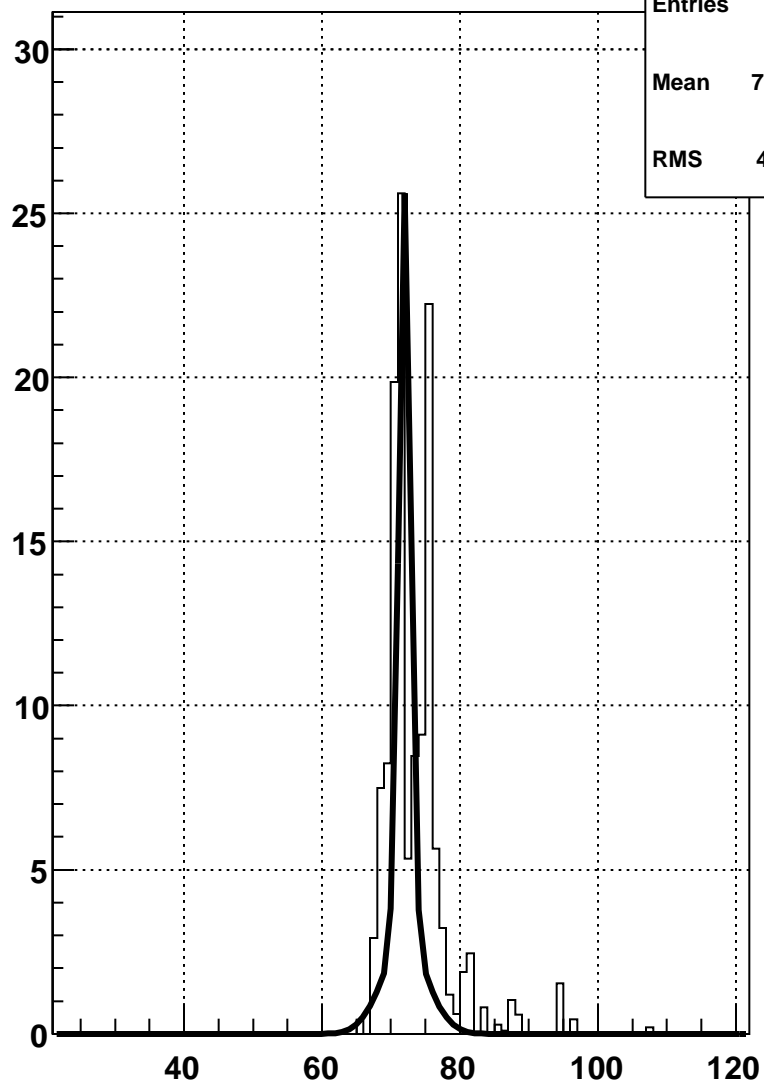
Entries	22
Mean	160
RMS	4.004



$p_T=7.1$  GeV,  $E=16.8$  GeV

**hSmdv**

Entries	24
Mean	73.52
RMS	4.681

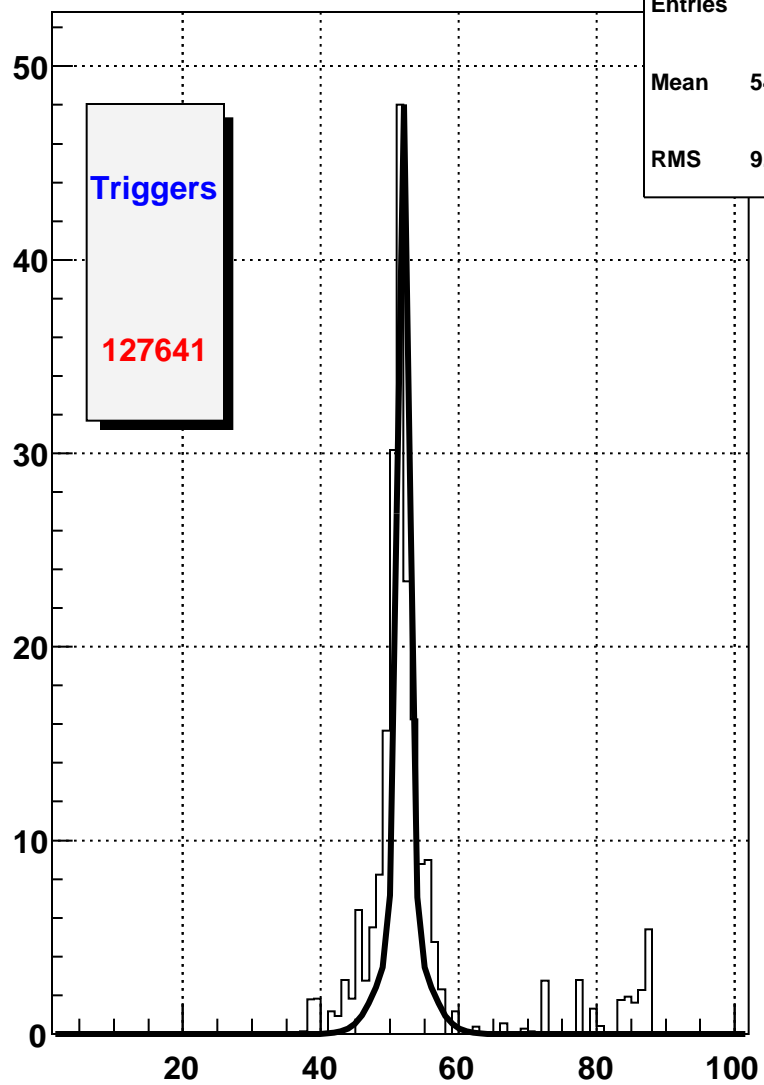




Run=7099045, Event=82875

**hSmdu**

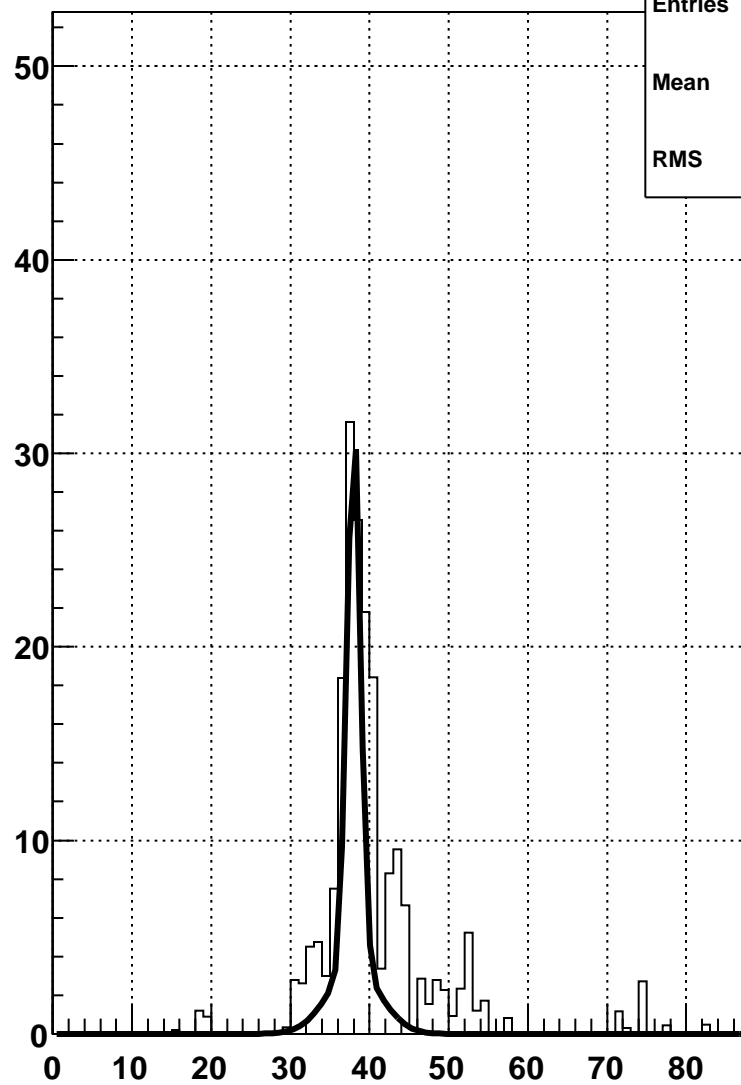
Entries	34
Mean	54.06
RMS	9.914



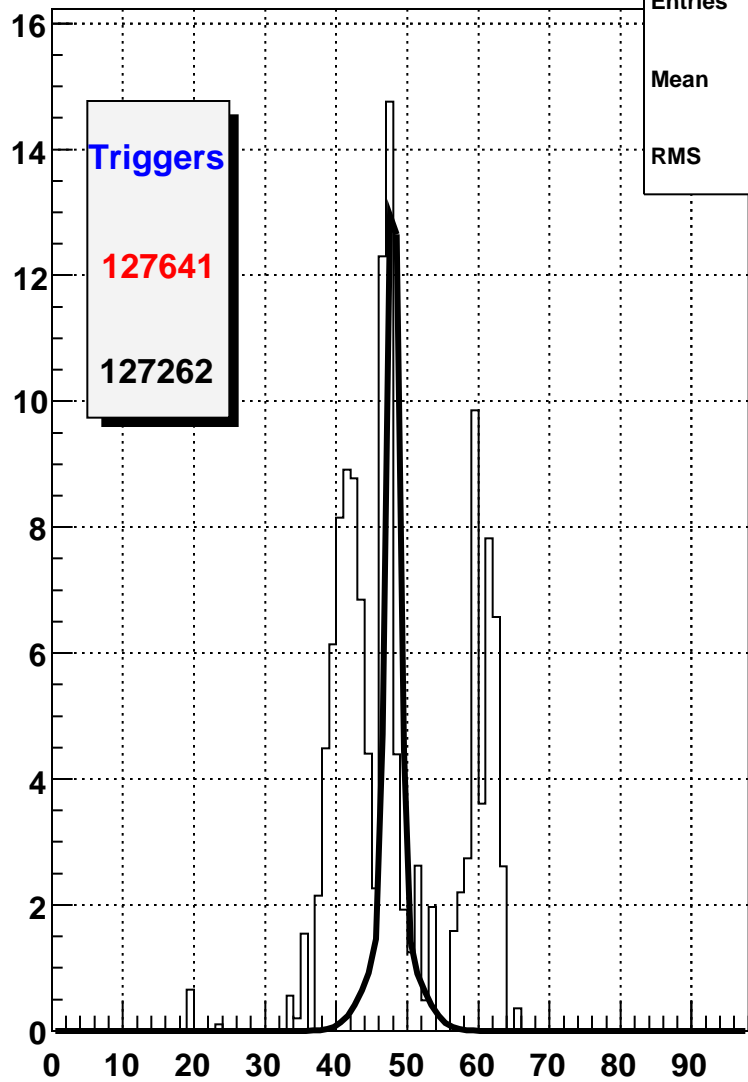
$p_T=6.7$  GeV,  $E=17.0$  GeV

**hSmdv**

Entries	37
Mean	40.63
RMS	8.098



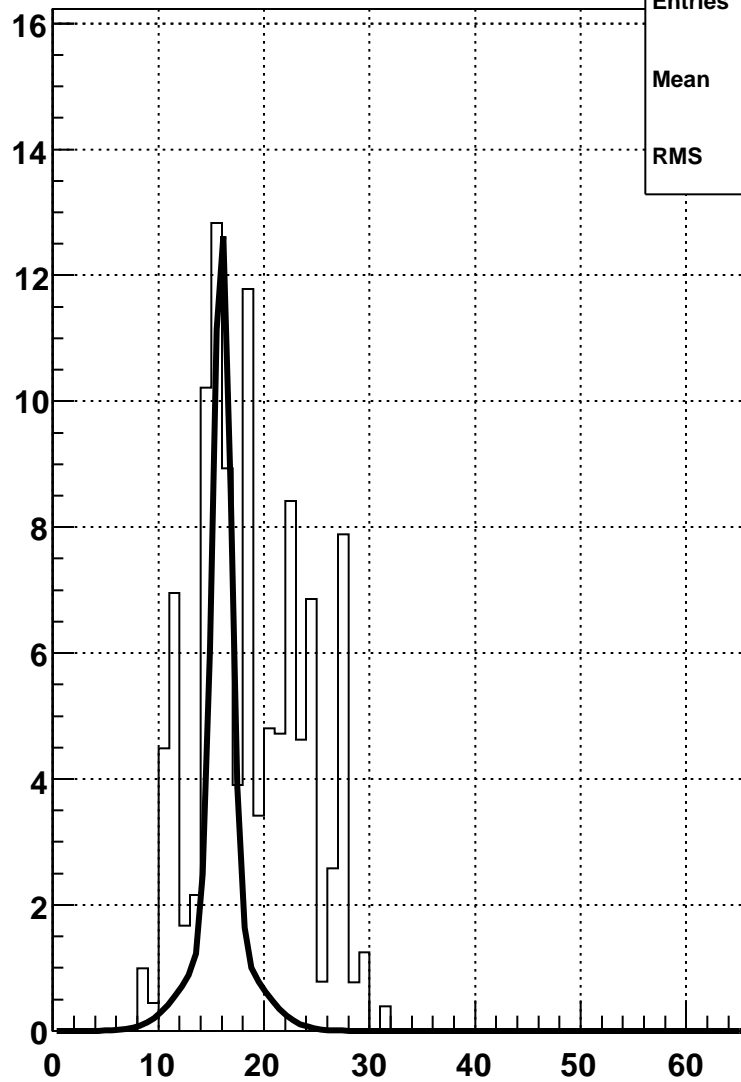
Run=7099045, Event=82965



**hSmdu**

Entries	31
Mean	48.65
RMS	8.477

$p_T=5.1$  GeV,  $E=20.0$  GeV



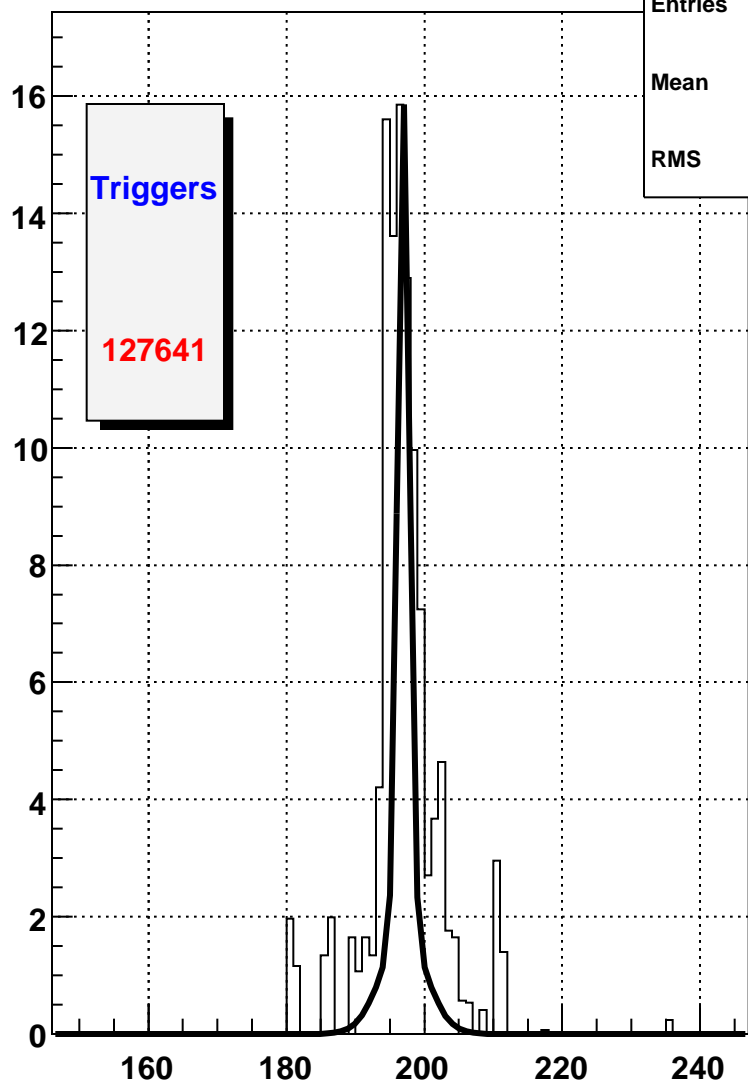
**hSmdv**

Entries	23
Mean	18.76
RMS	5.103

Run=7099046, Event=16547

**hSmdu**

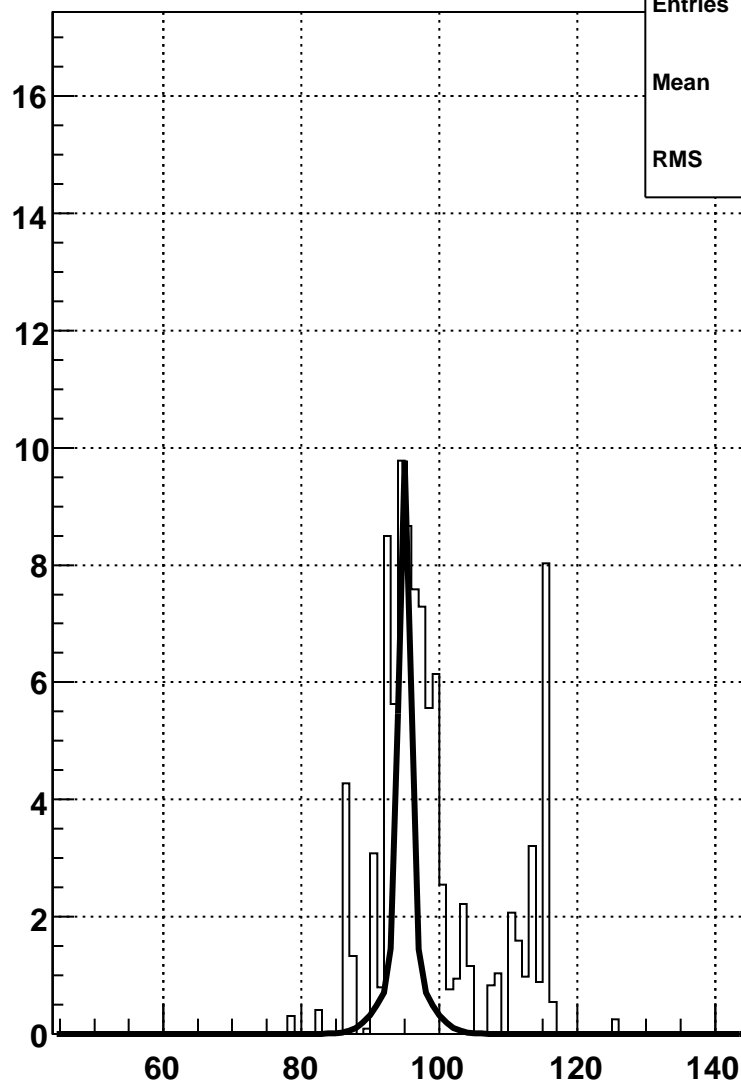
Entries	27
Mean	197
RMS	5.546



$p_T=6.1$  GeV,  $E=11.7$  GeV

**hSmdv**

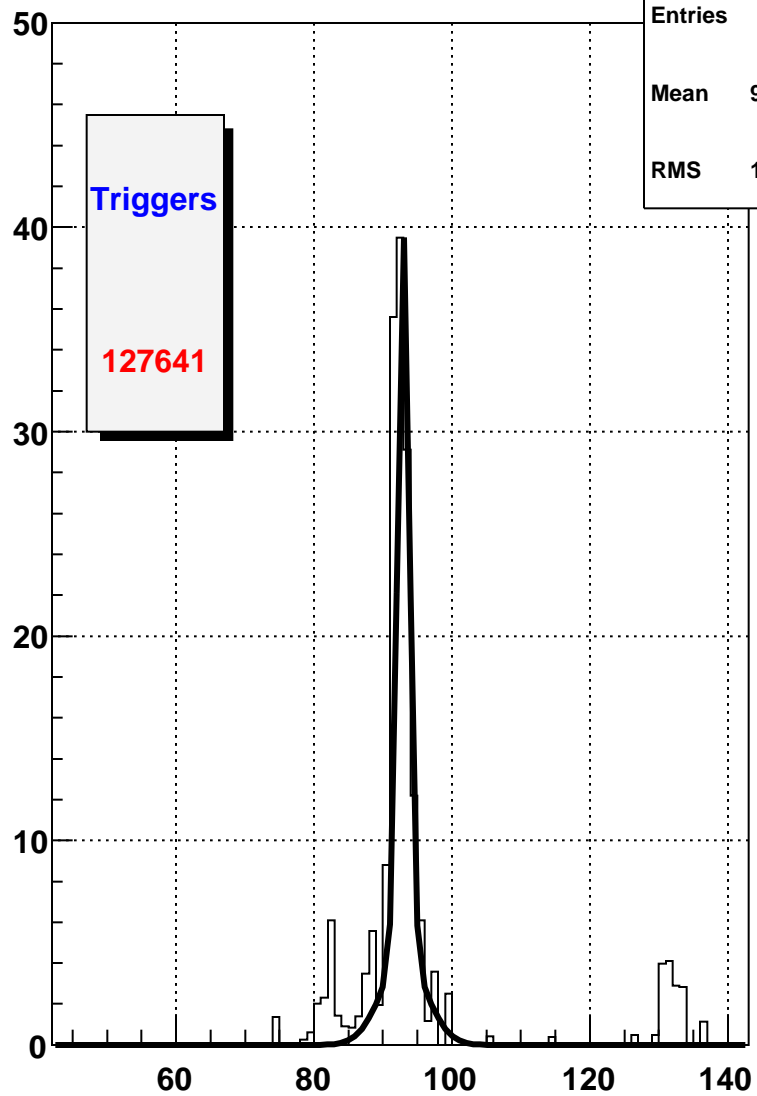
Entries	30
Mean	99.03
RMS	8.29



Run=7099046, Event=16607

**hSmdu**

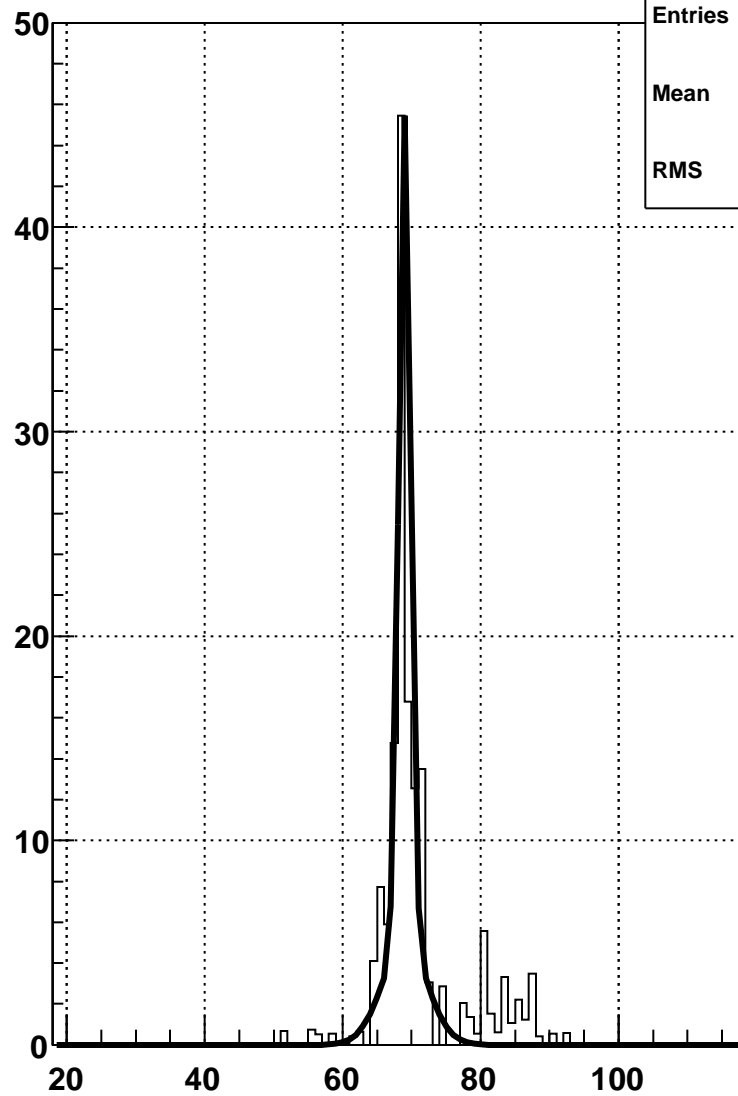
Entries	32
Mean	95.09
RMS	12.03



$p_T=5.1$  GeV,  $E=13.6$  GeV

**hSmdv**

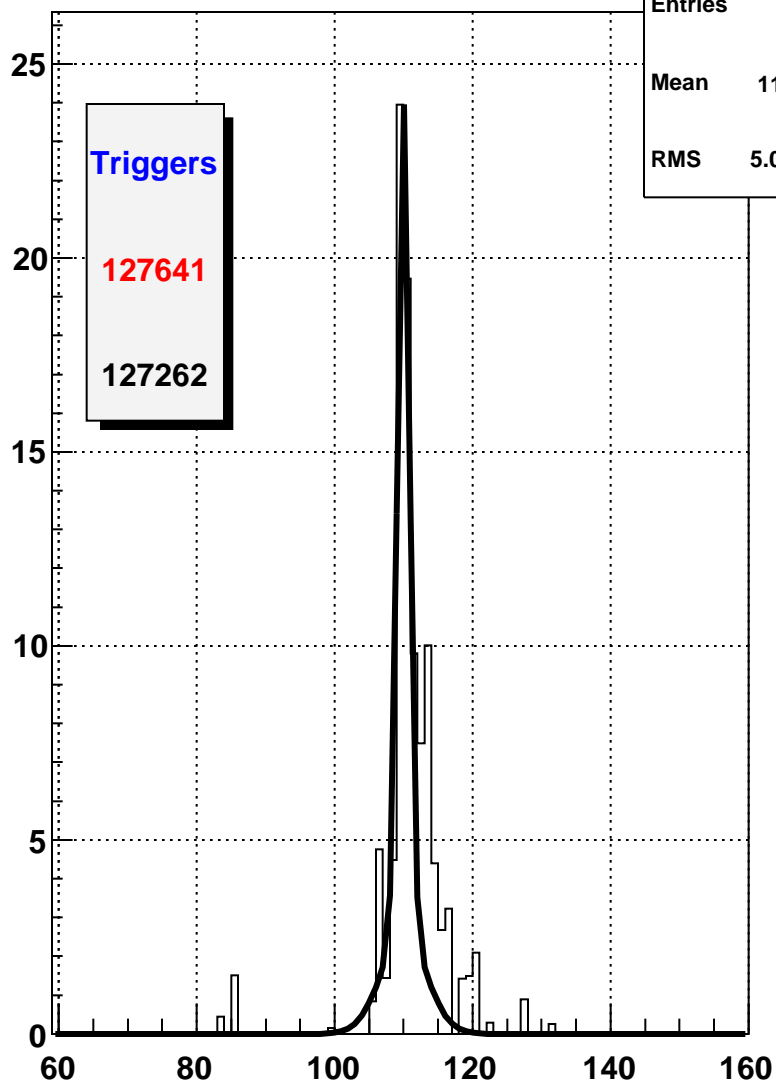
Entries	31
Mean	70.86
RMS	6.104



Run=7099046, Event=16832

**hSmdu**

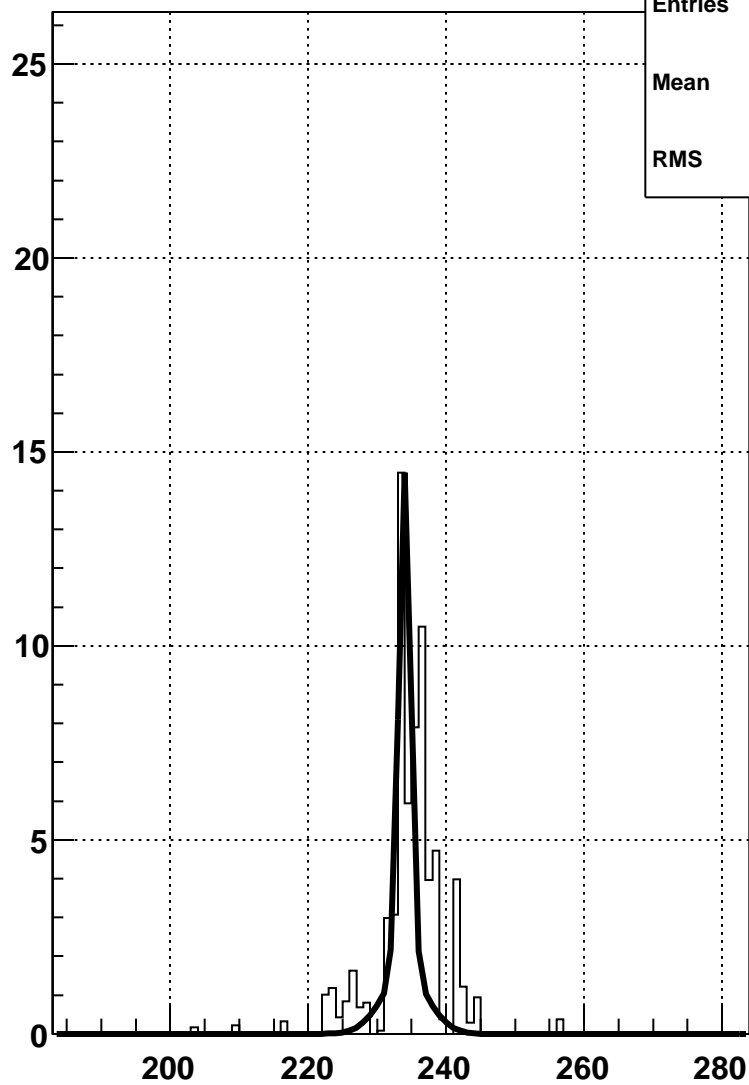
Entries	22
Mean	111.1
RMS	5.098



$p_T=5.3$  GeV,  $E=10.3$  GeV

**hSmdv**

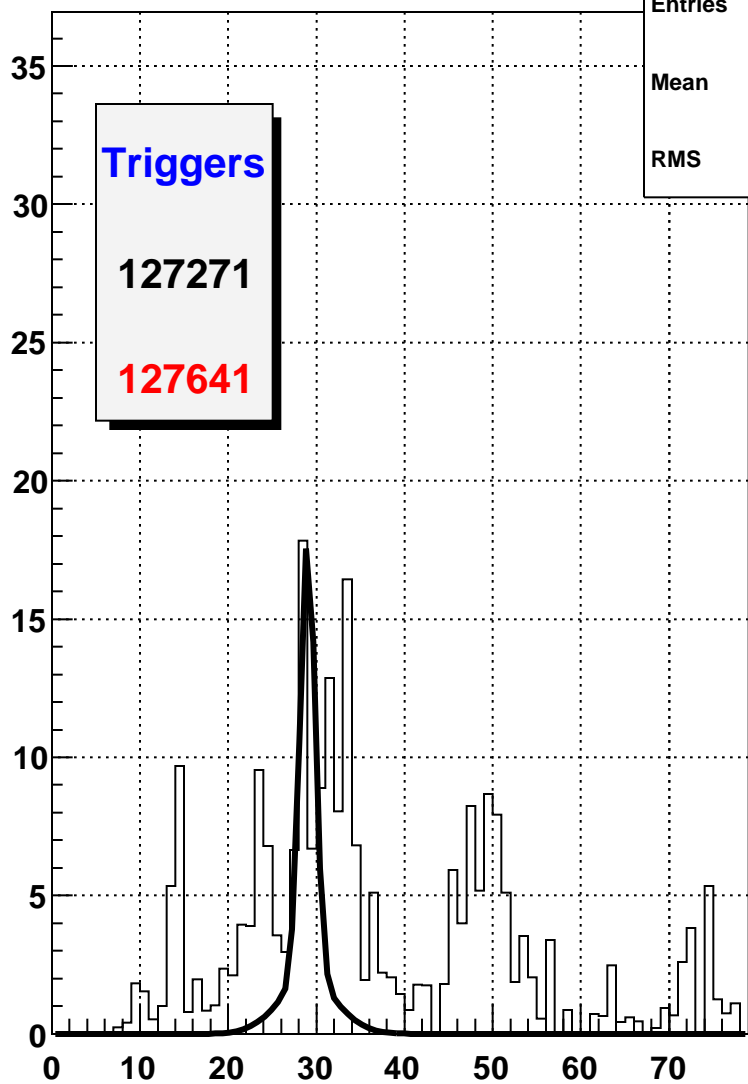
Entries	26
Mean	234.7
RMS	5.141



Run=7099046, Event=17414

**hSmdu**

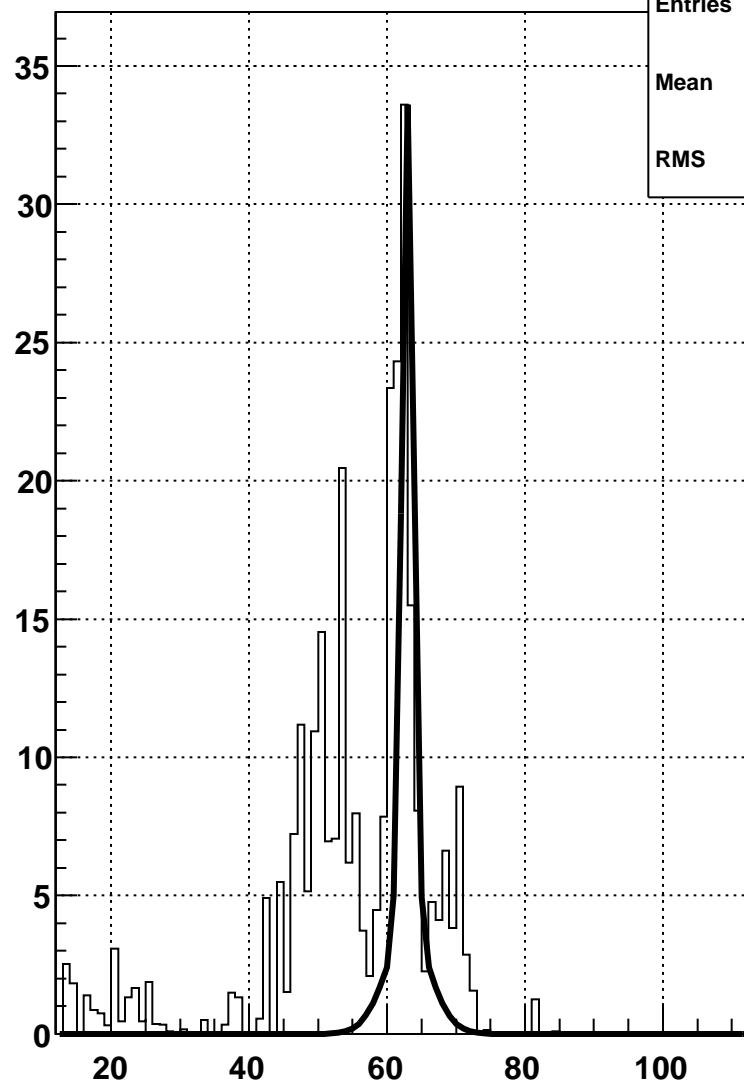
Entries	72
Mean	36.83
RMS	15.73



$p_T=7.3$  GeV,  $E=33.1$  GeV

**hSmdv**

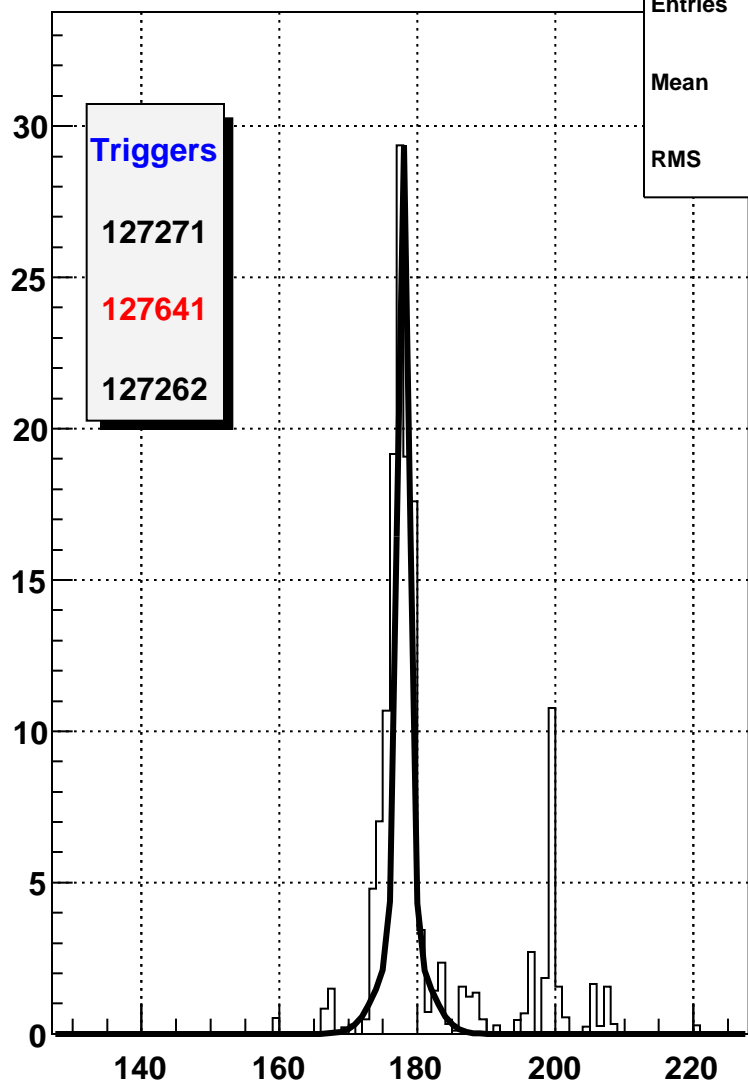
Entries	62
Mean	55.48
RMS	11.8



Run=7099046, Event=18218

**hSmdu**

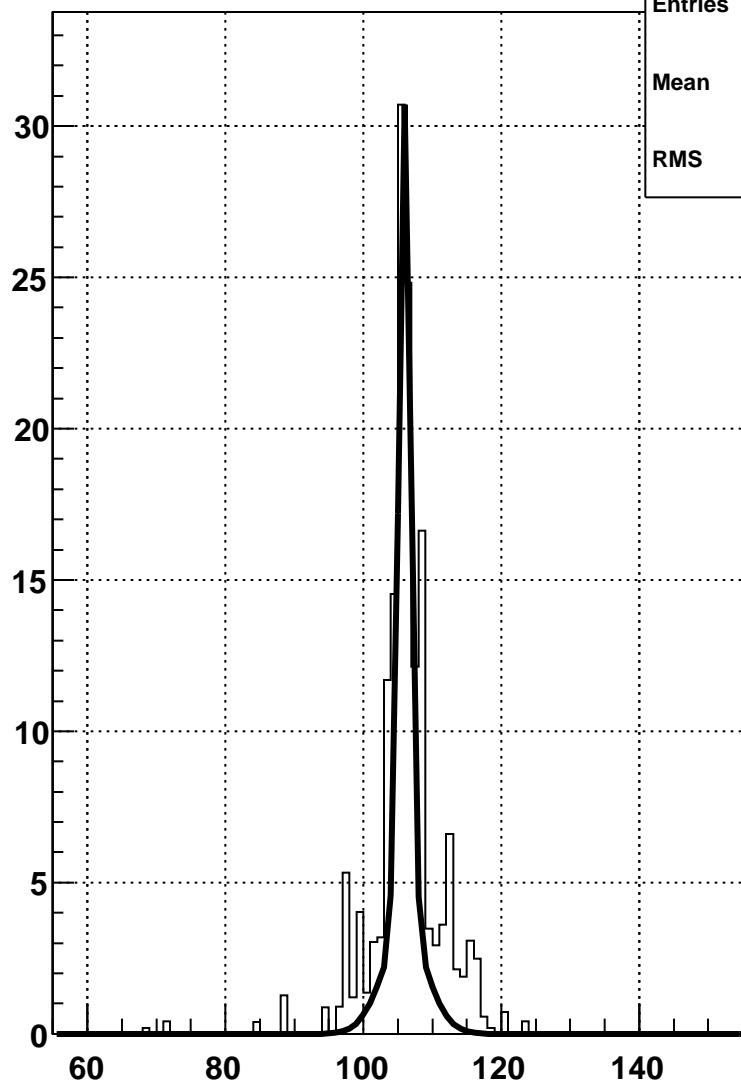
Entries	38
Mean	181.2
RMS	8.979



$p_T=8.0$  GeV,  $E=19.5$  GeV

**hSmdv**

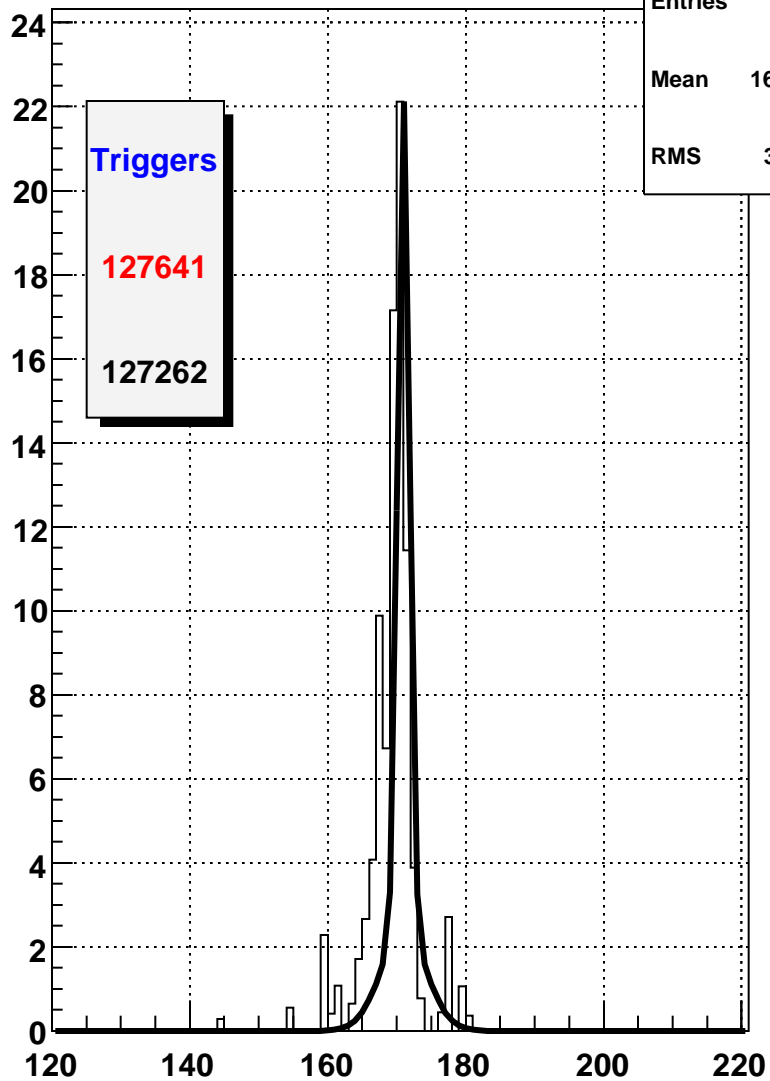
Entries	30
Mean	106.2
RMS	5.114



Run=7099046, Event=18466

**hSmdu**

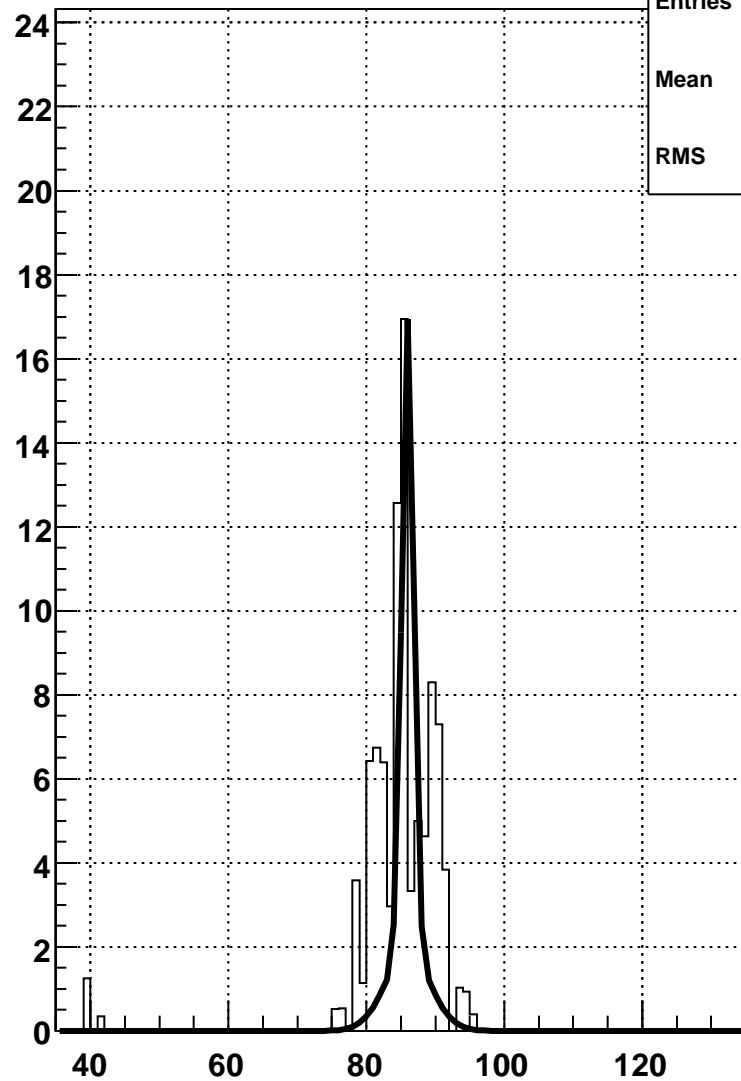
Entries	20
Mean	169.4
RMS	3.77



$p_T=5.4$  GeV,  $E=12.3$  GeV

**hSmdv**

Entries	21
Mean	84.75
RMS	7.005

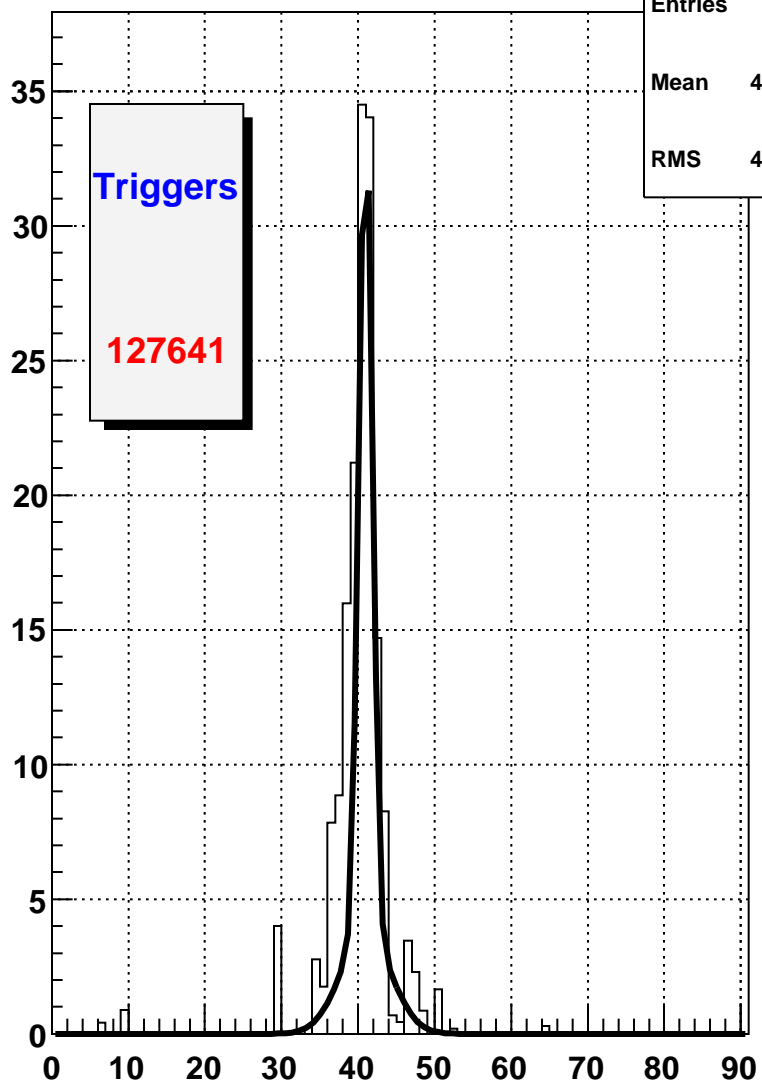




Run=7099046, Event=18774

**hSmdu**

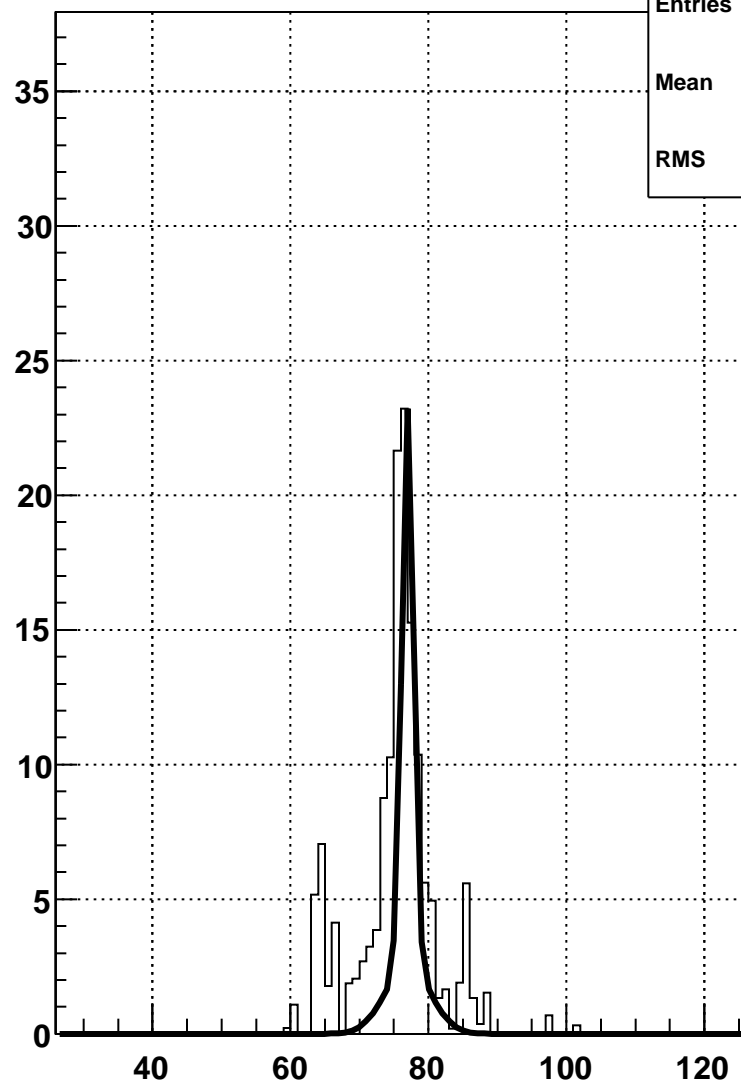
Entries	22
Mean	40.13
RMS	4.325



$p_T=5.6$  GeV,  $E=14.0$  GeV

**hSmdv**

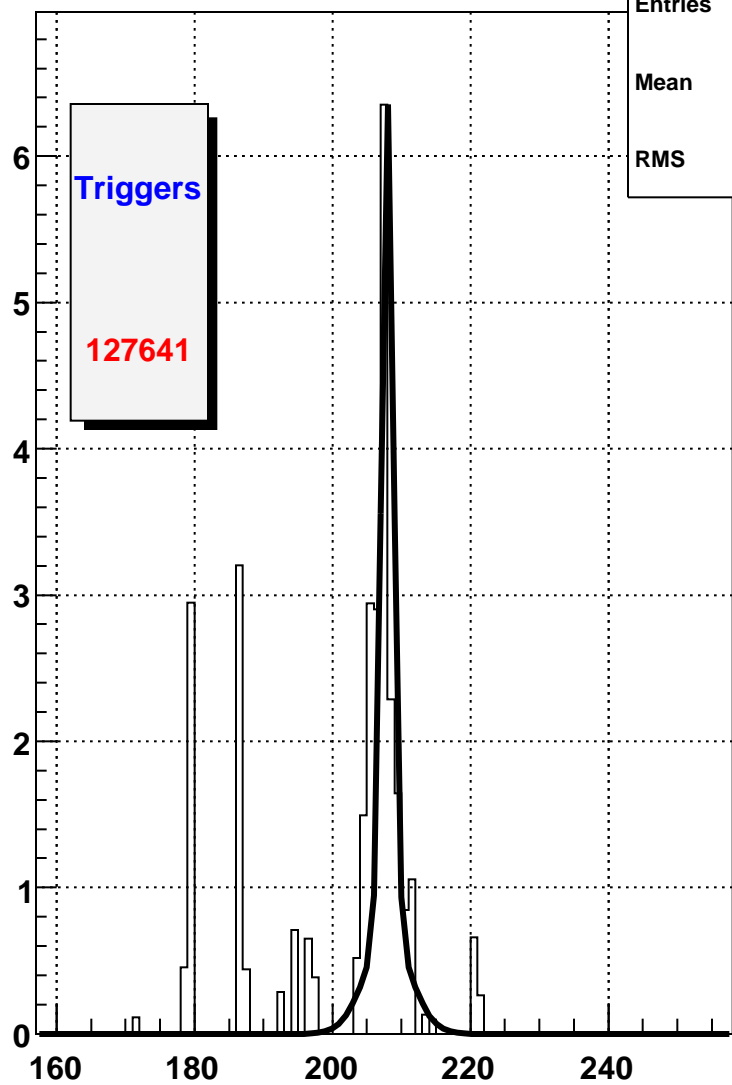
Entries	30
Mean	75.4
RMS	5.865



Run=7099046, Event=19345

**hSmdu**

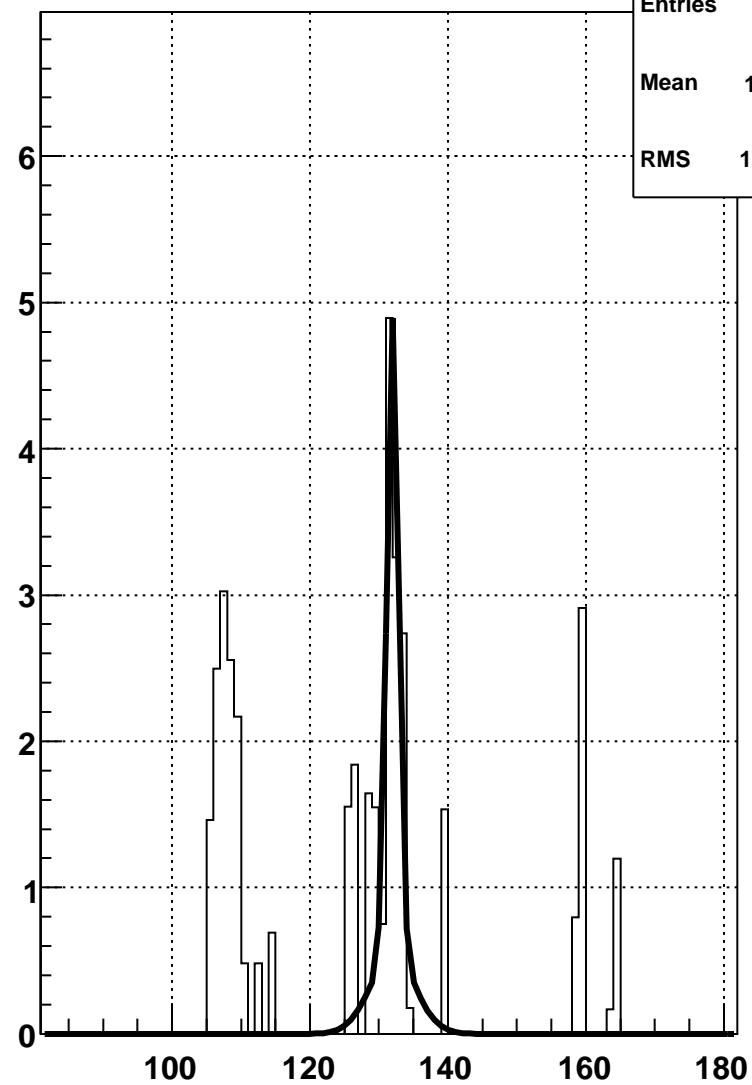
Entries	21
Mean	201.2
RMS	11.16



$p_T=5.3$  GeV,  $E=11.2$  GeV

**hSmdv**

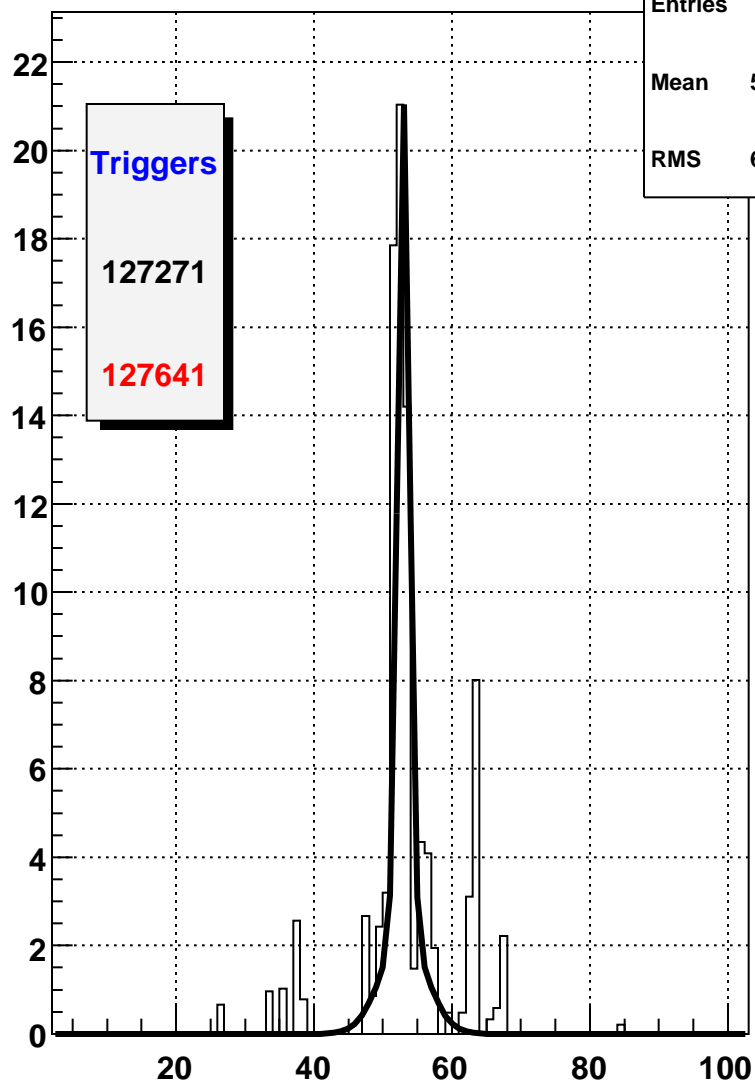
Entries	22
Mean	127.1
RMS	17.02



Run=7099046, Event=19632

**hSmdu**

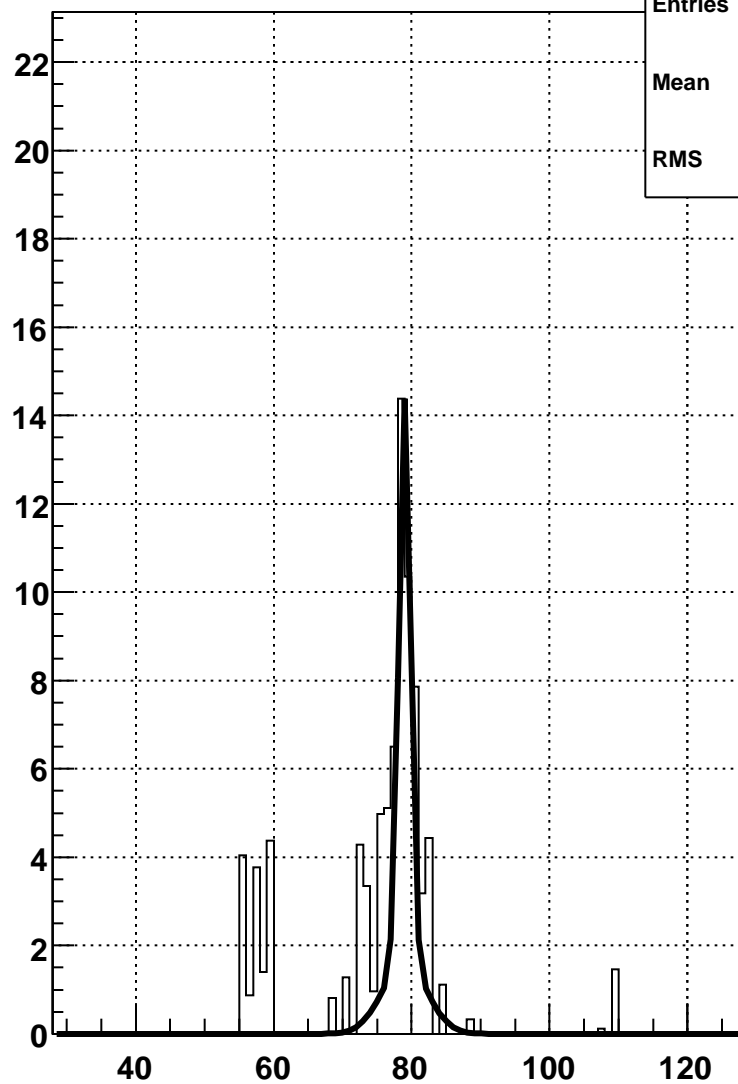
Entries	24
Mean	53.39
RMS	6.686



$p_T=5.9$  GeV,  $E=21.3$  GeV

**hSmdv**

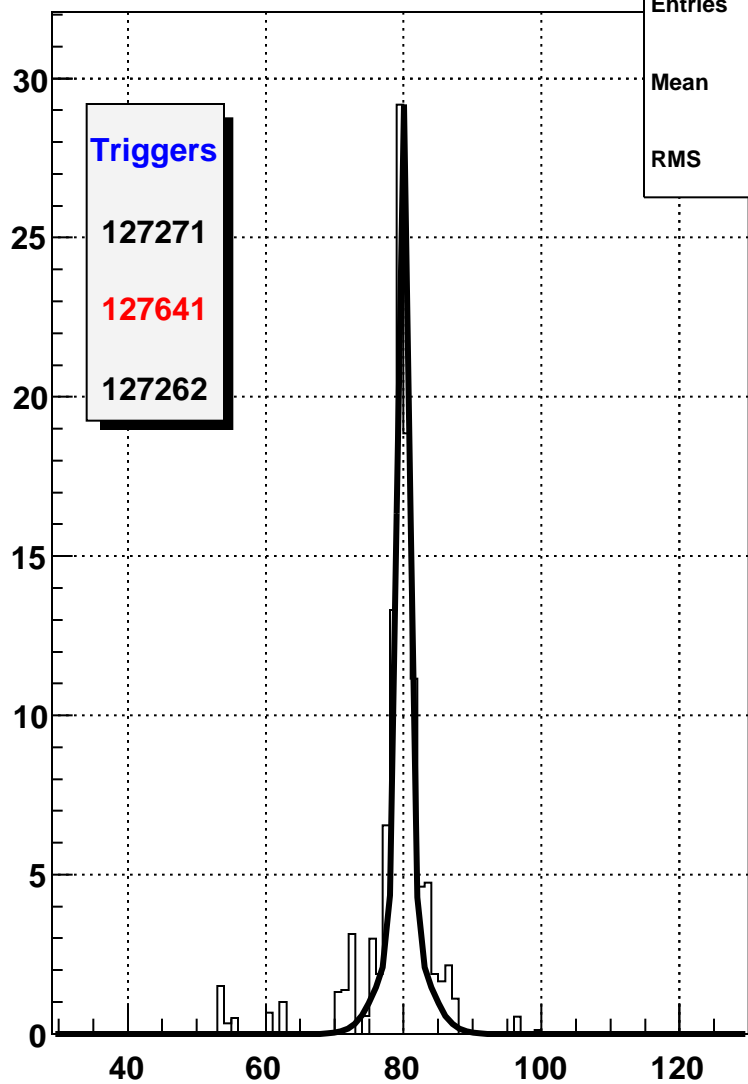
Entries	22
Mean	75.13
RMS	9.458



Run=7099046, Event=19710

**hSmdu**

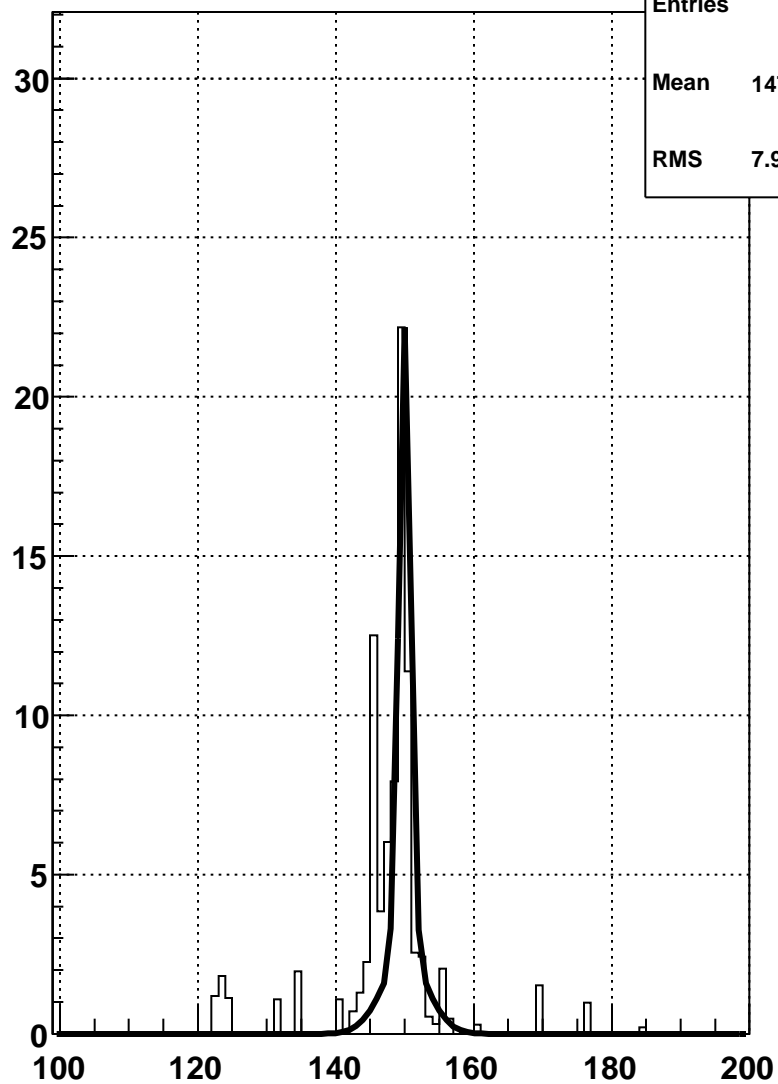
Entries	24
Mean	79.04
RMS	5.323



$p_T=7.4$  GeV,  $E=17.8$  GeV

**hSmdv**

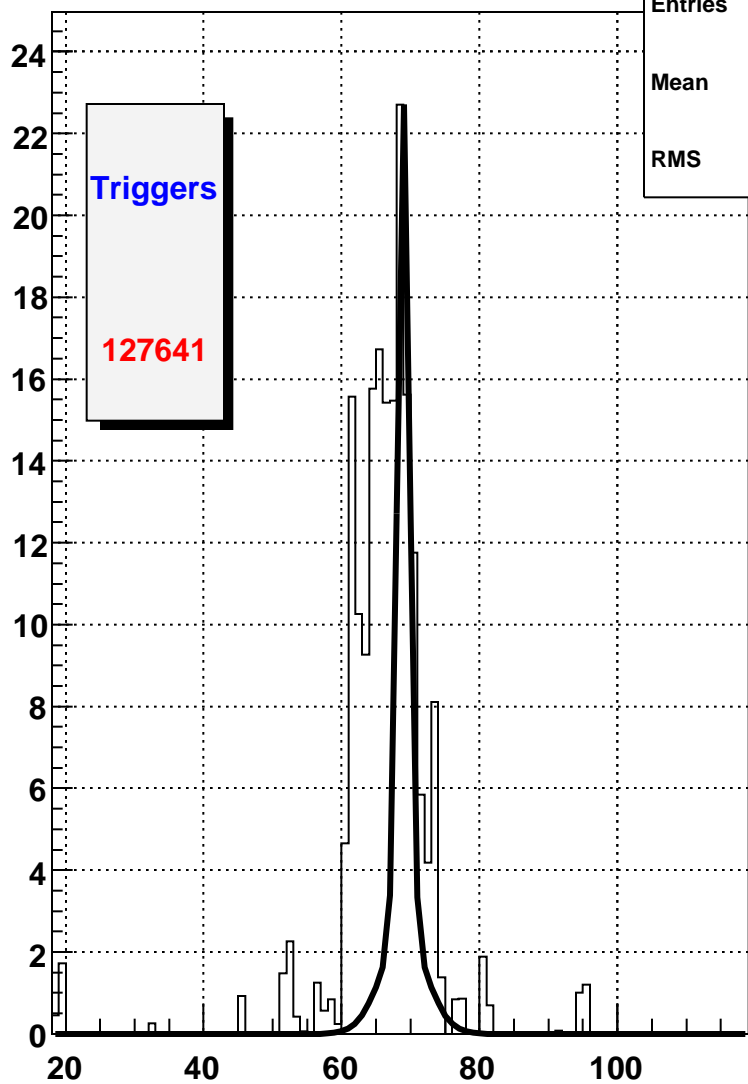
Entries	26
Mean	147.7
RMS	7.975



Run=7099046, Event=19915

**hSmdu**

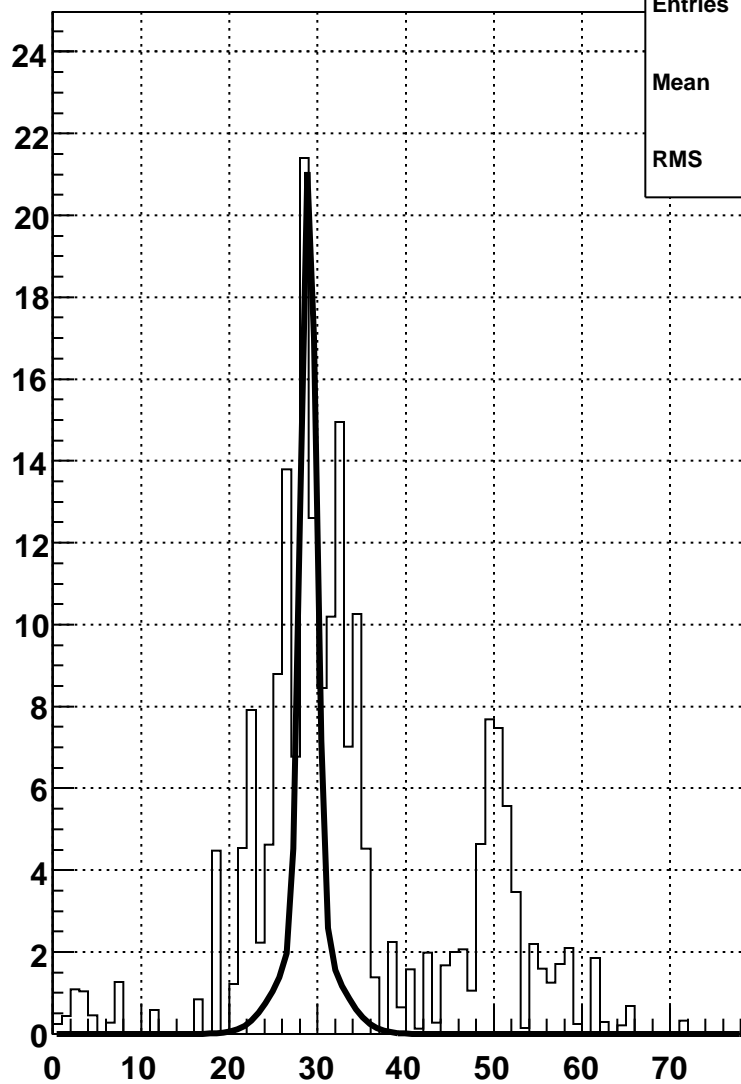
Entries	45
Mean	66.27
RMS	7.717



$p_T=7.3$  GeV,  $E=24.3$  GeV

**hSmdv**

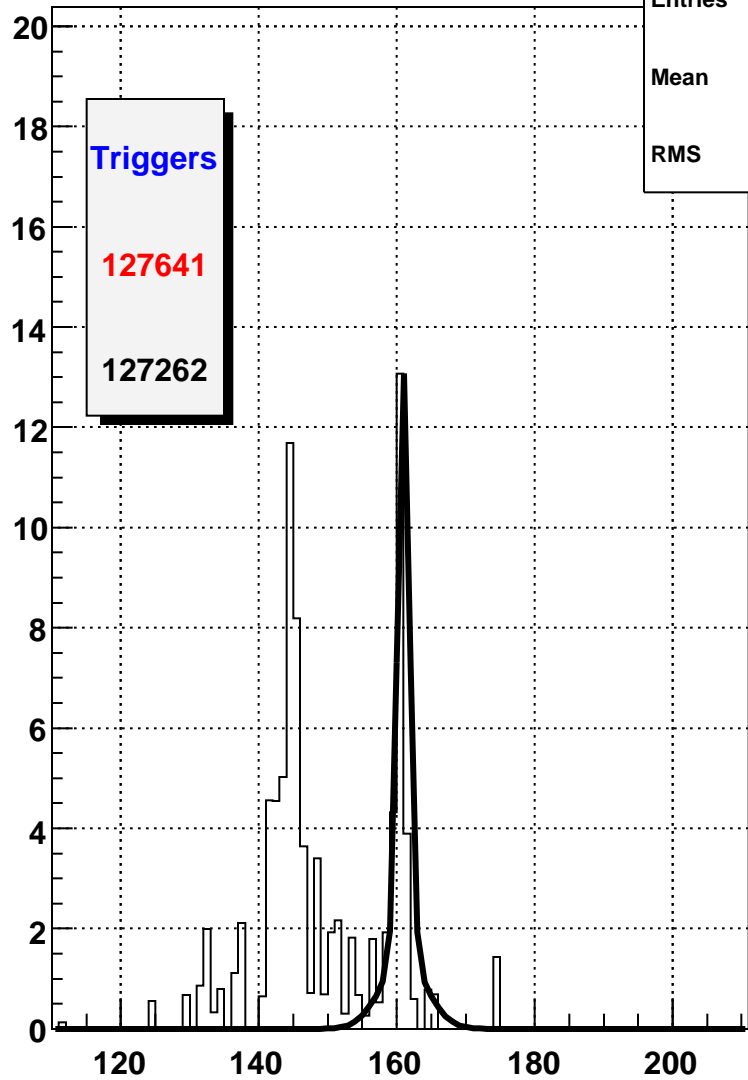
Entries	64
Mean	33.85
RMS	11.65



Run=7099035, Event=72620

**hSmdu**

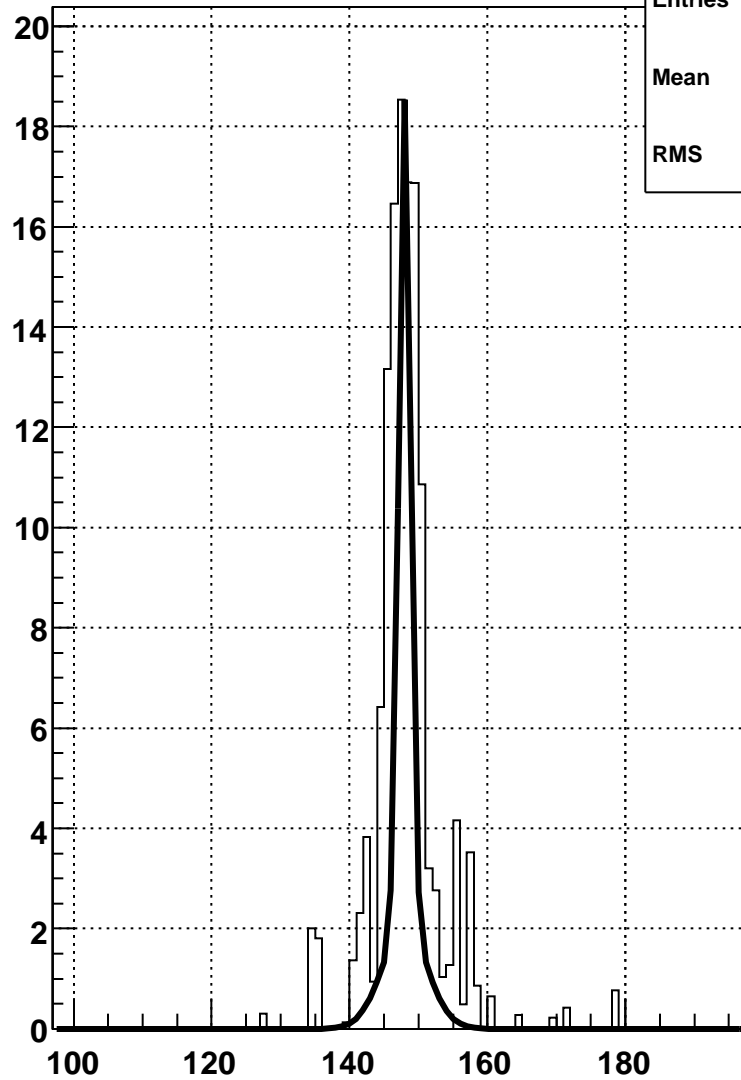
Entries	35
Mean	149.5
RMS	9.48



$p_T=5.6$  GeV,  $E=11.3$  GeV

**hSmdv**

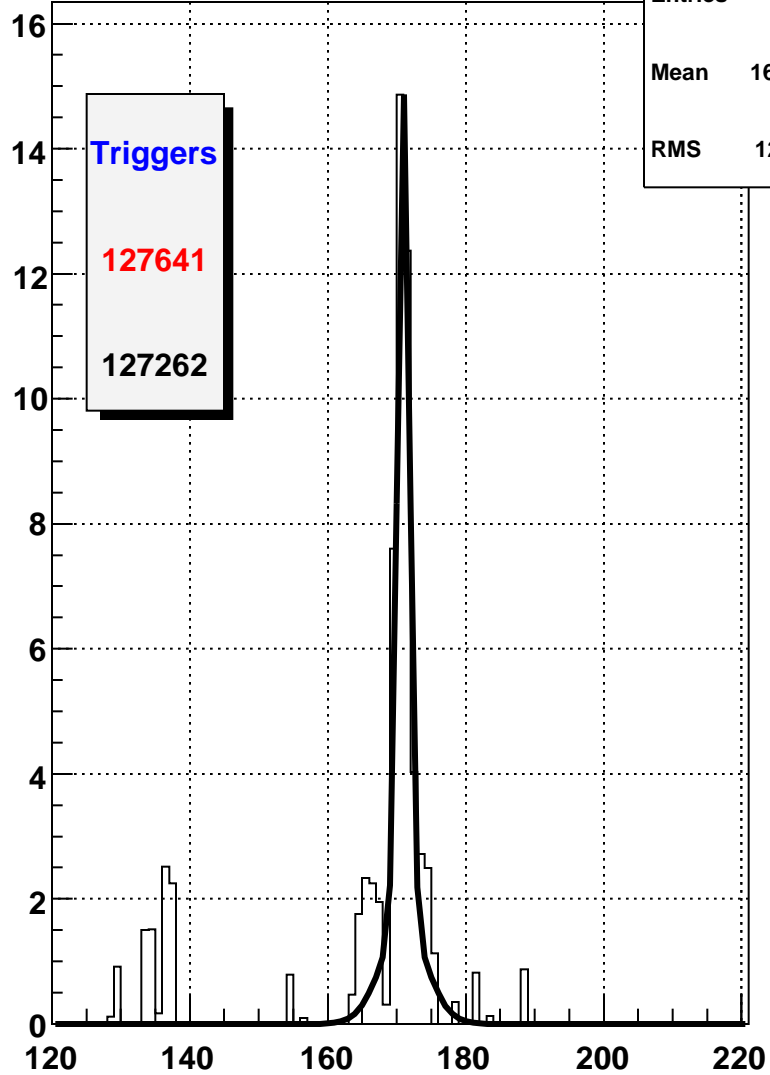
Entries	28
Mean	148.2
RMS	5.15



Run=7099035, Event=72993

**hSmdu**

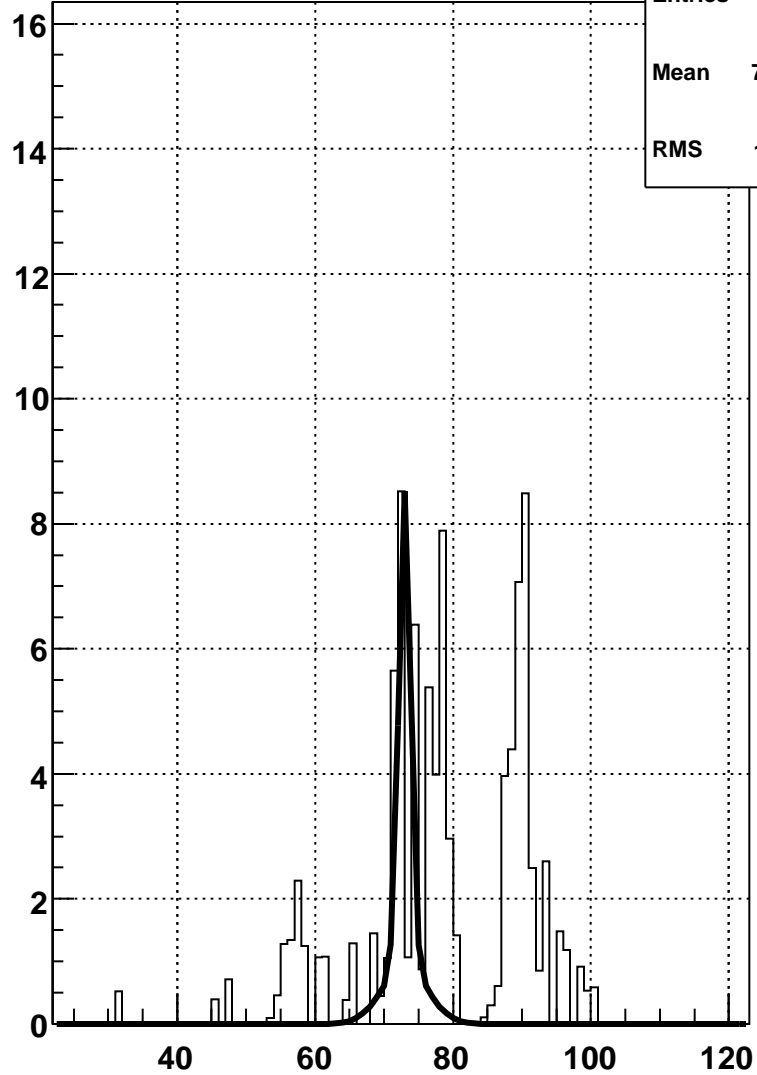
Entries	26
Mean	165.9
RMS	12.81



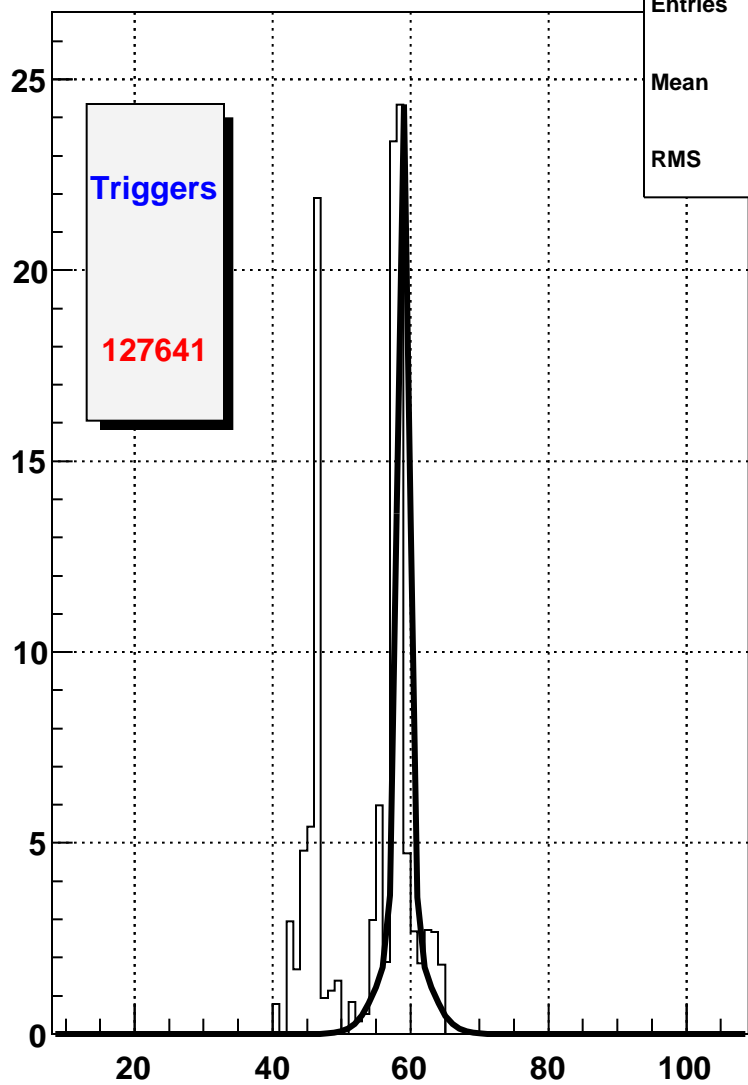
$p_T=5.9$  GeV,  $E=13.2$  GeV

**hSmdv**

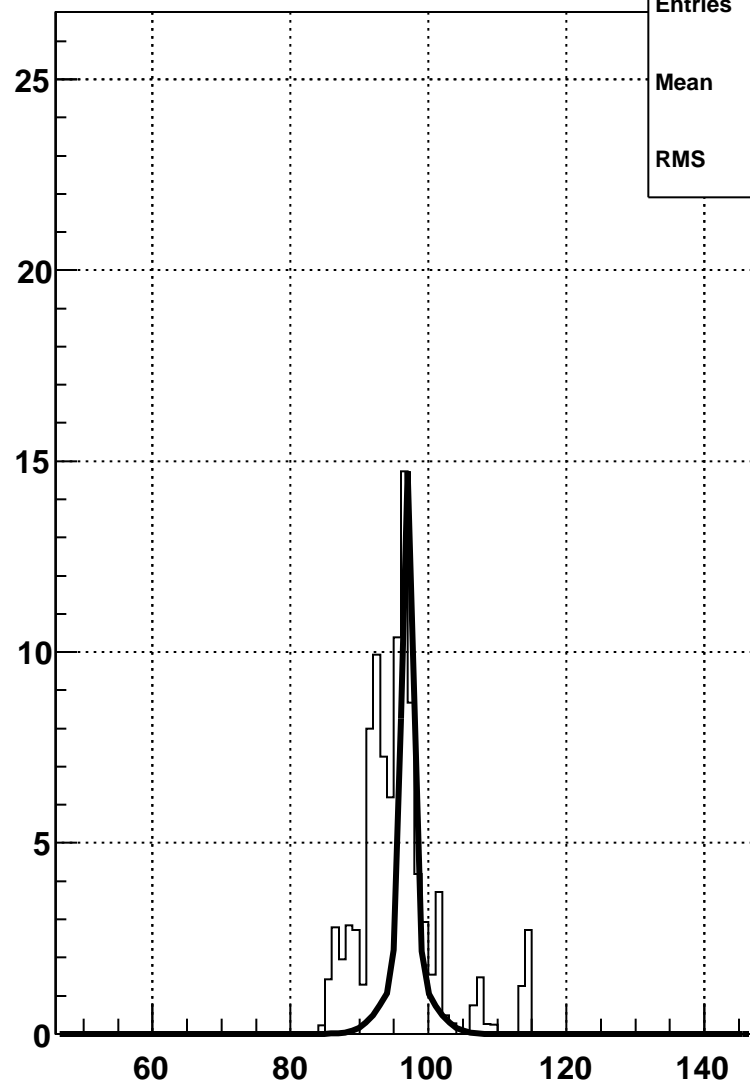
Entries	41
Mean	78.65
RMS	11.77



Run=7099035, Event=72998



$p_T=5.9$  GeV,  $E=17.0$  GeV

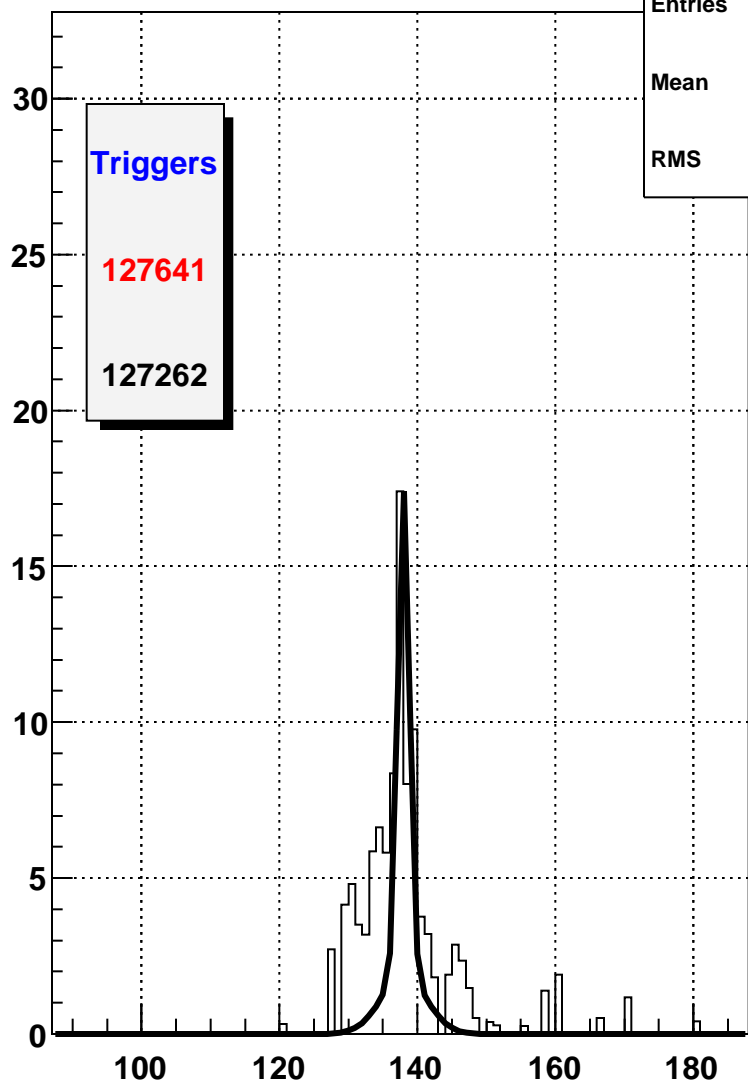




Run=7099035, Event=73507

**hSmdu**

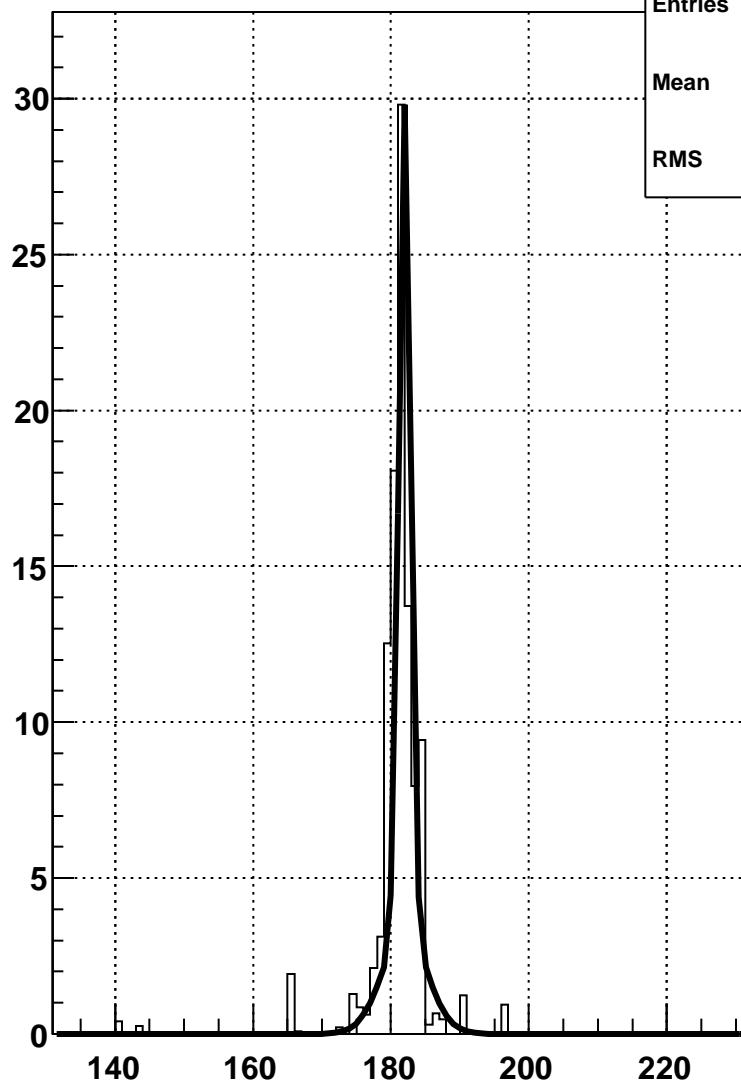
Entries	29
Mean	138.4
RMS	7.759



$p_T=7.1$  GeV,  $E=14.6$  GeV

**hSmdv**

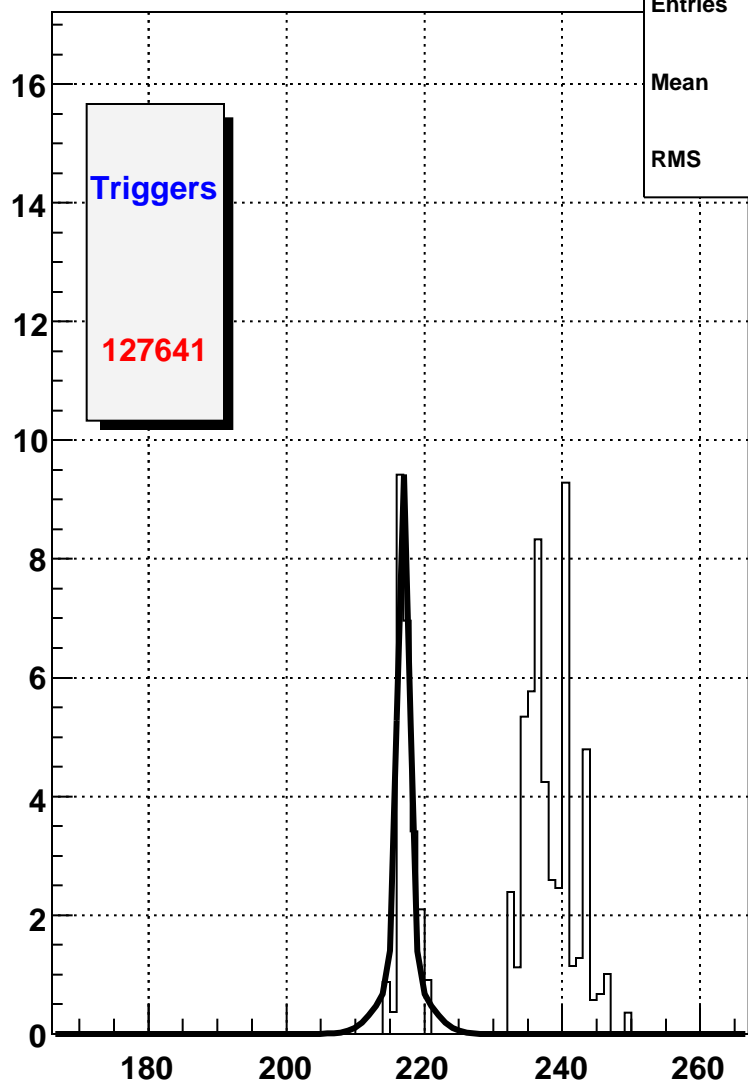
Entries	22
Mean	181.1
RMS	4.662



Run=7099045, Event=73601

**hSmdu**

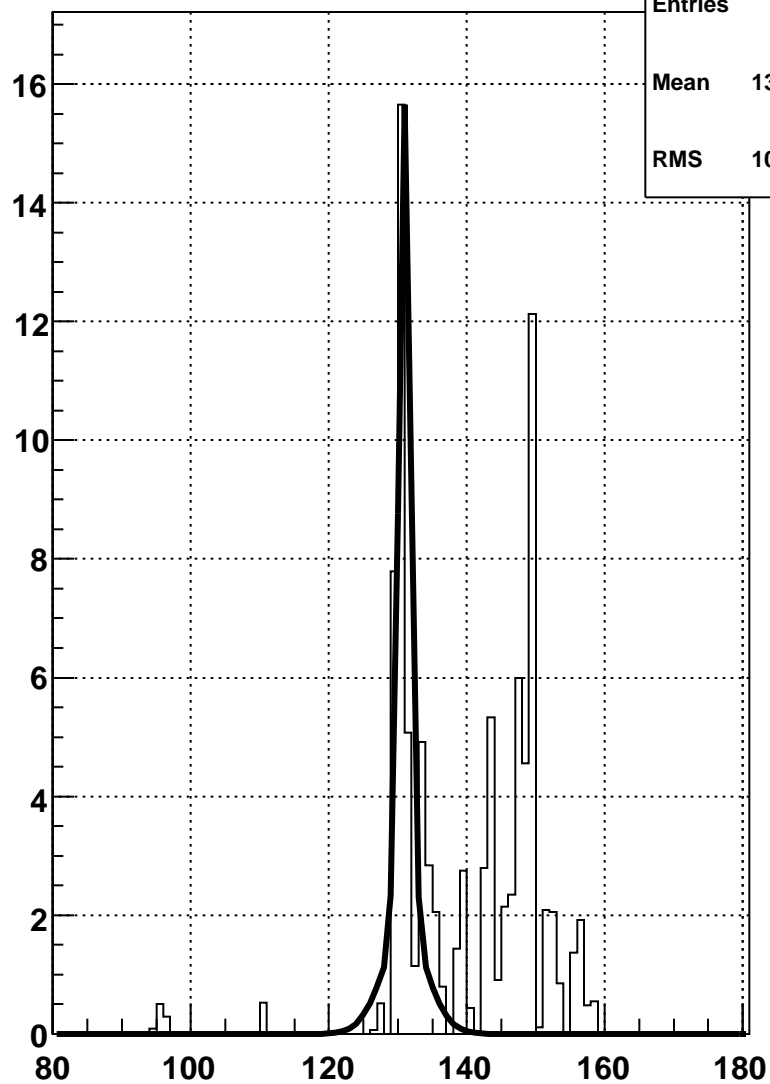
Entries	23
Mean	231.7
RMS	10.23



$p_T=5.2$  GeV,  $E=10.7$  GeV

**hSmdv**

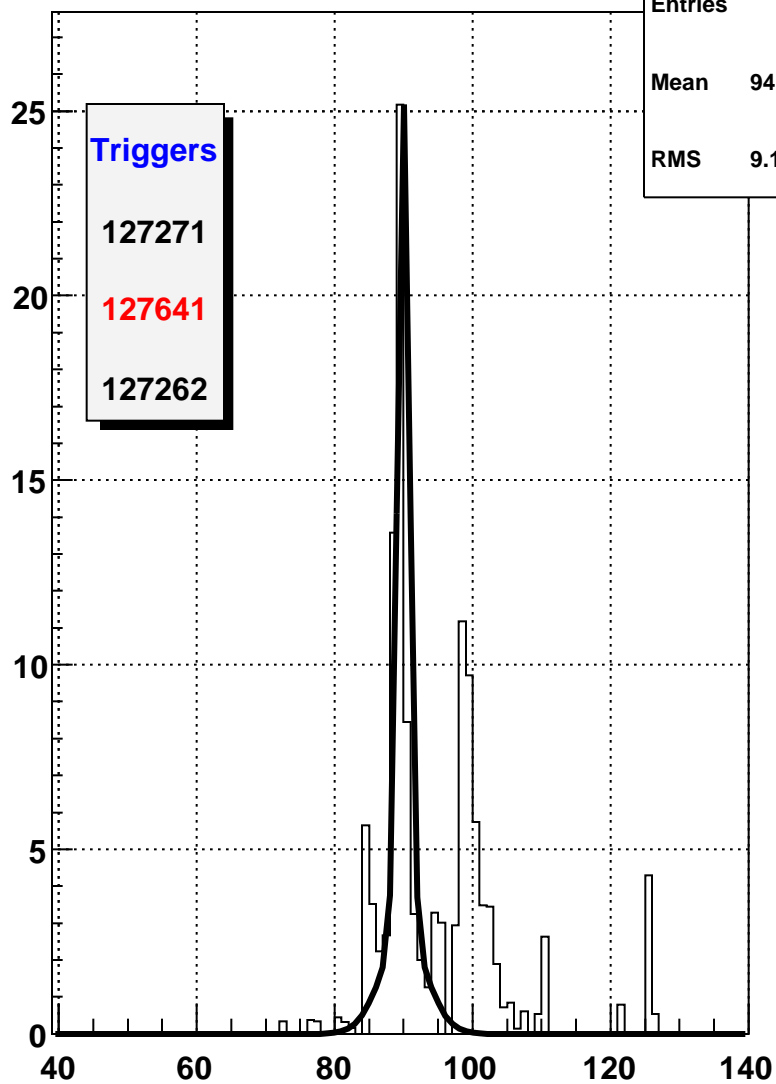
Entries	33
Mean	139.8
RMS	10.02



Run=7099045, Event=76210

**hSmdu**

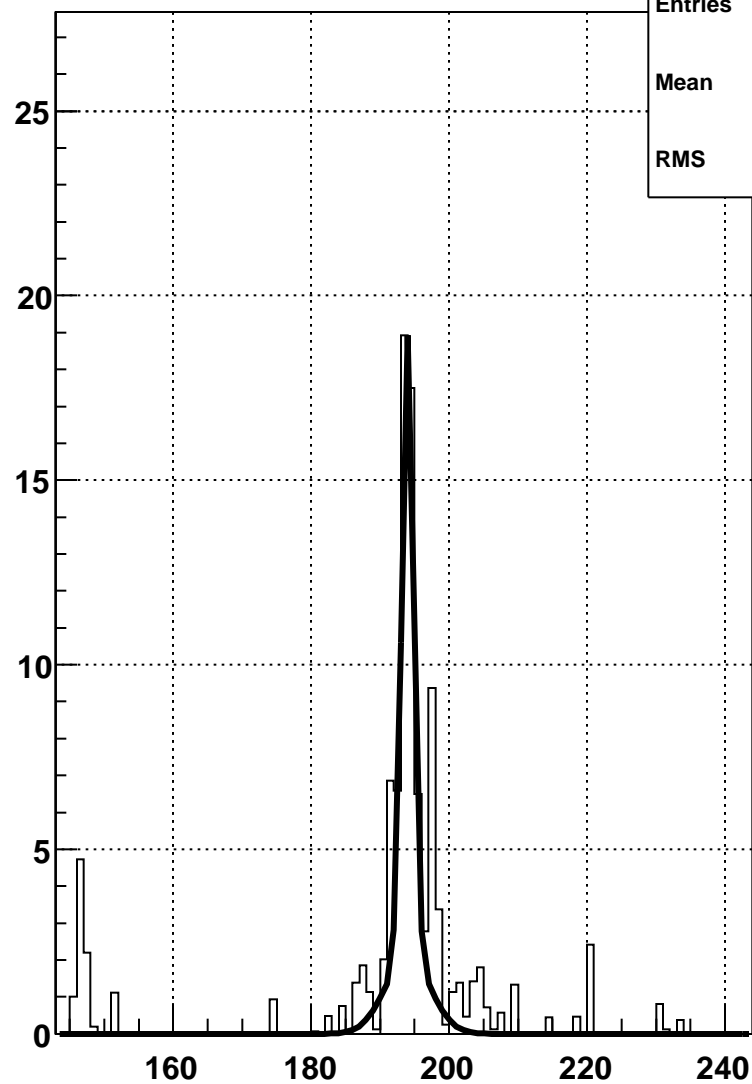
Entries	54
Mean	94.84
RMS	9.148



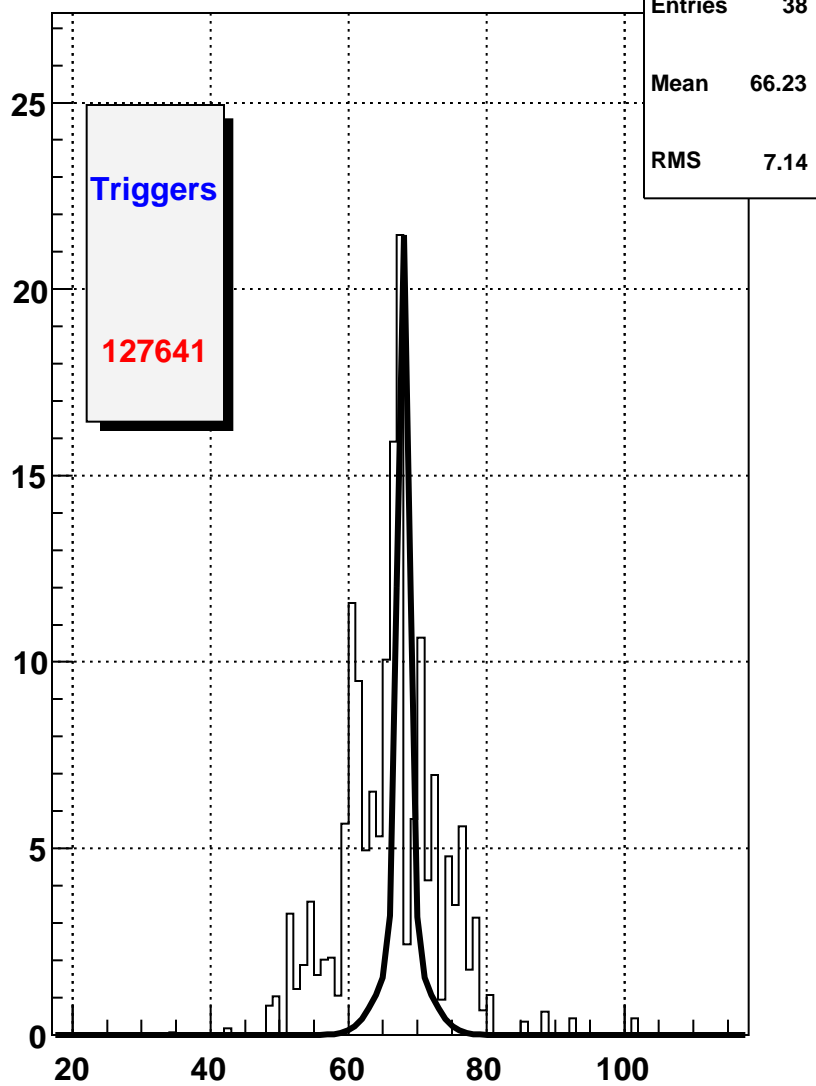
$p_T=8.7$  GeV,  $E=16.5$  GeV

**hSmdv**

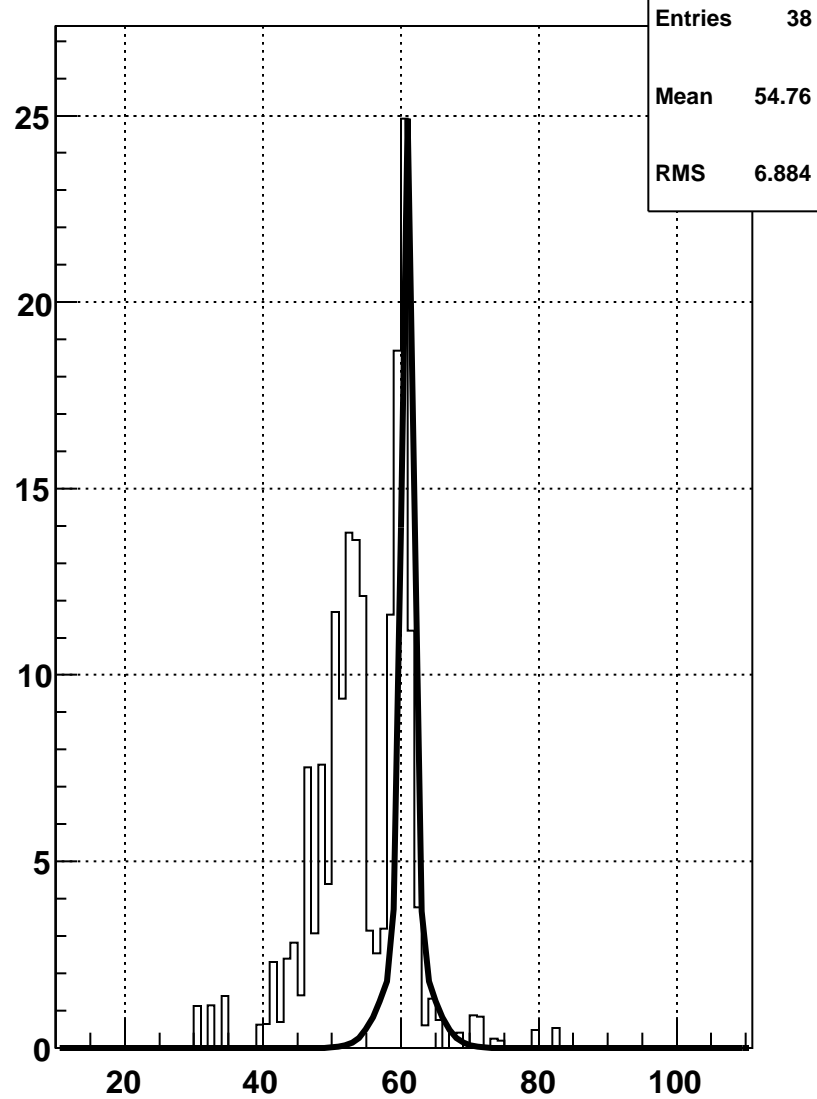
Entries	51
Mean	191.7
RMS	15.74



Run=7099045, Event=76353



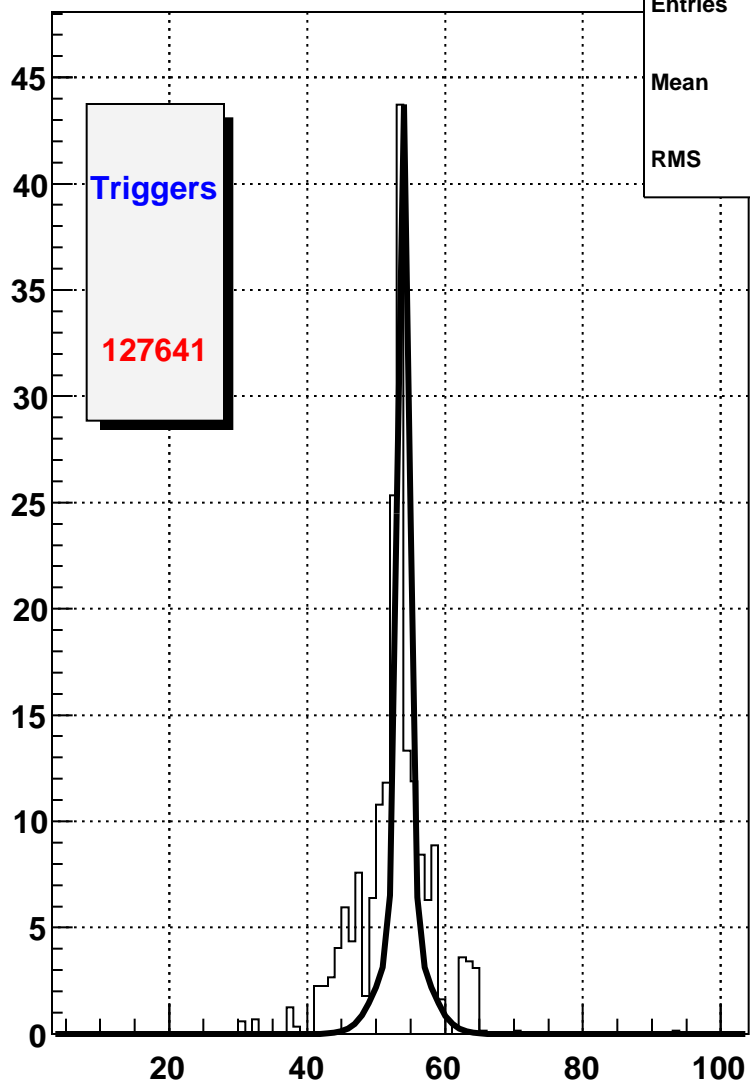
$p_T=5.3$  GeV,  $E=21.3$  GeV



Run=7099045, Event=76739

**hSmdu**

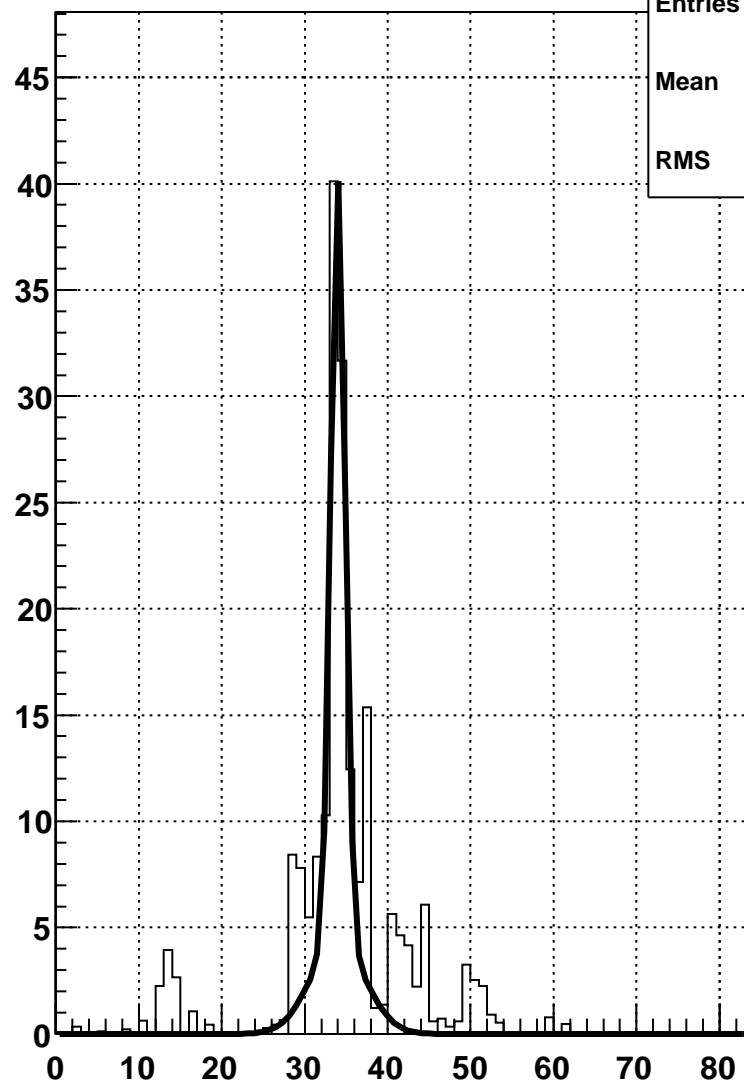
Entries	30
Mean	52.71
RMS	5.144



$p_T=6.5$  GeV,  $E=19.4$  GeV

**hSmdv**

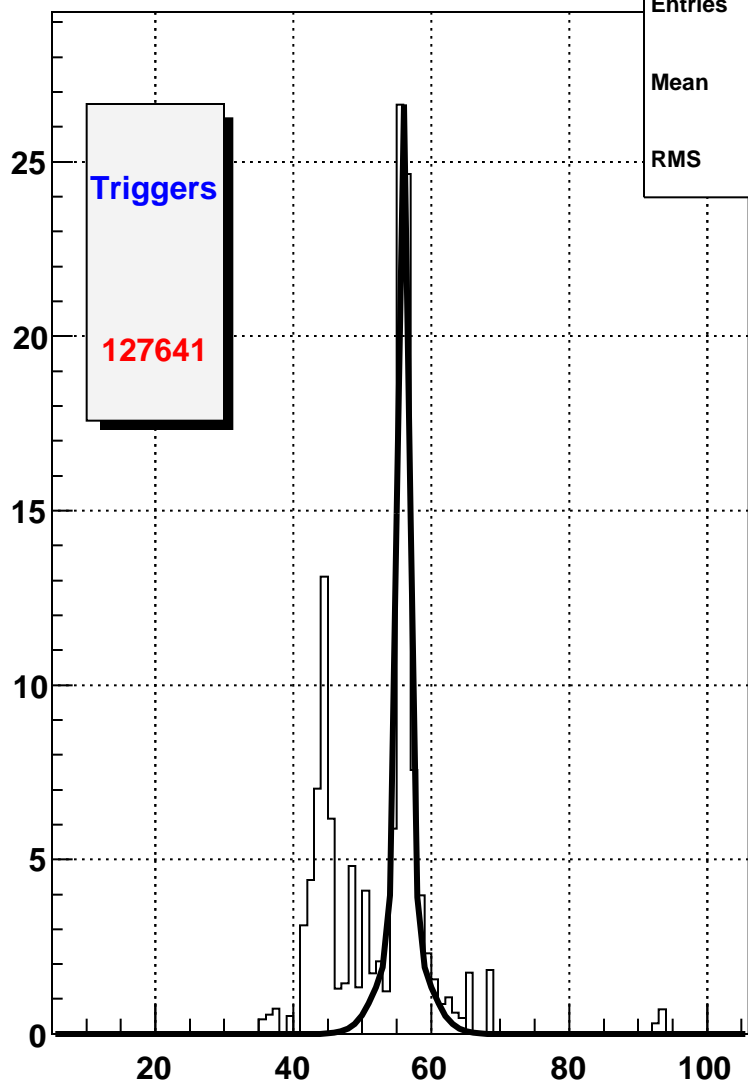
Entries	42
Mean	34.61
RMS	7.651



Run=7099045, Event=57088

**hSmdu**

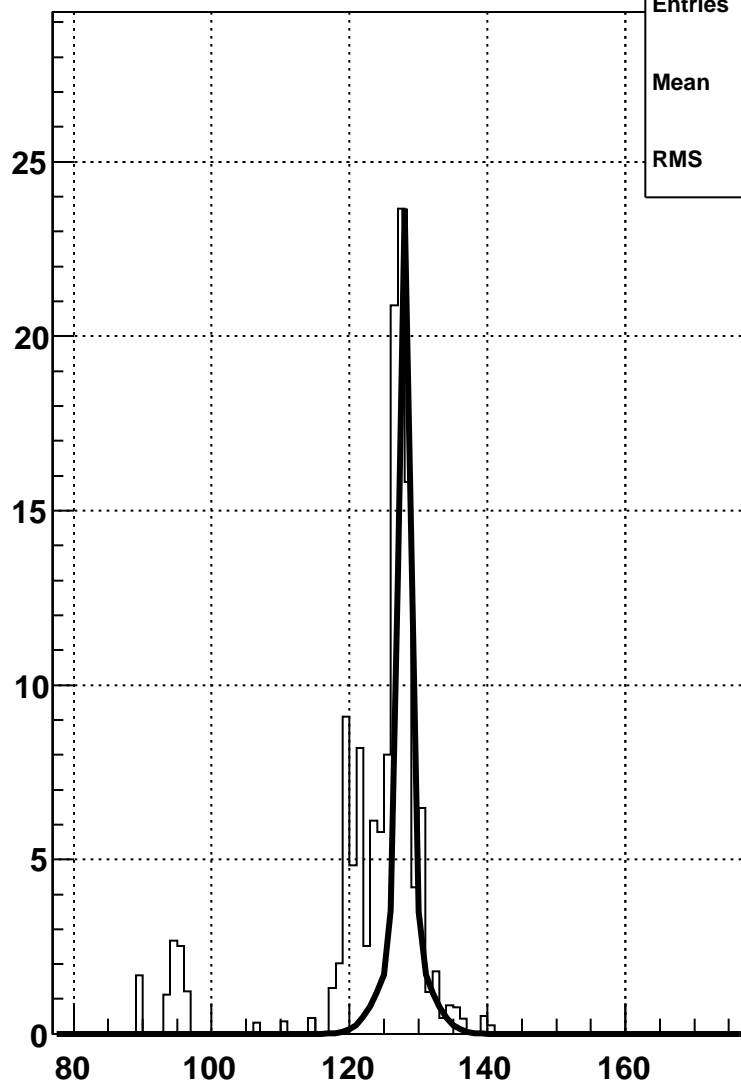
Entries	32
Mean	52.75
RMS	7.302



$p_T=5.7$  GeV,  $E=15.7$  GeV

**hSmdv**

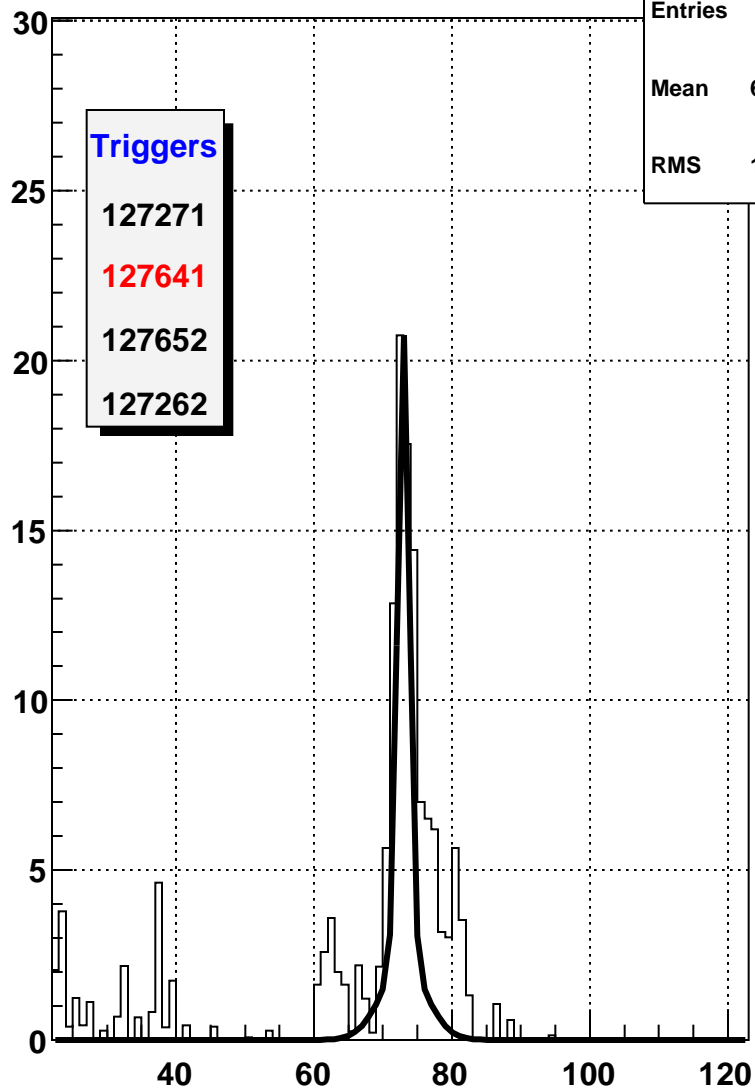
Entries	30
Mean	123.7
RMS	8.929



Run=7099045, Event=57990

**hSmdu**

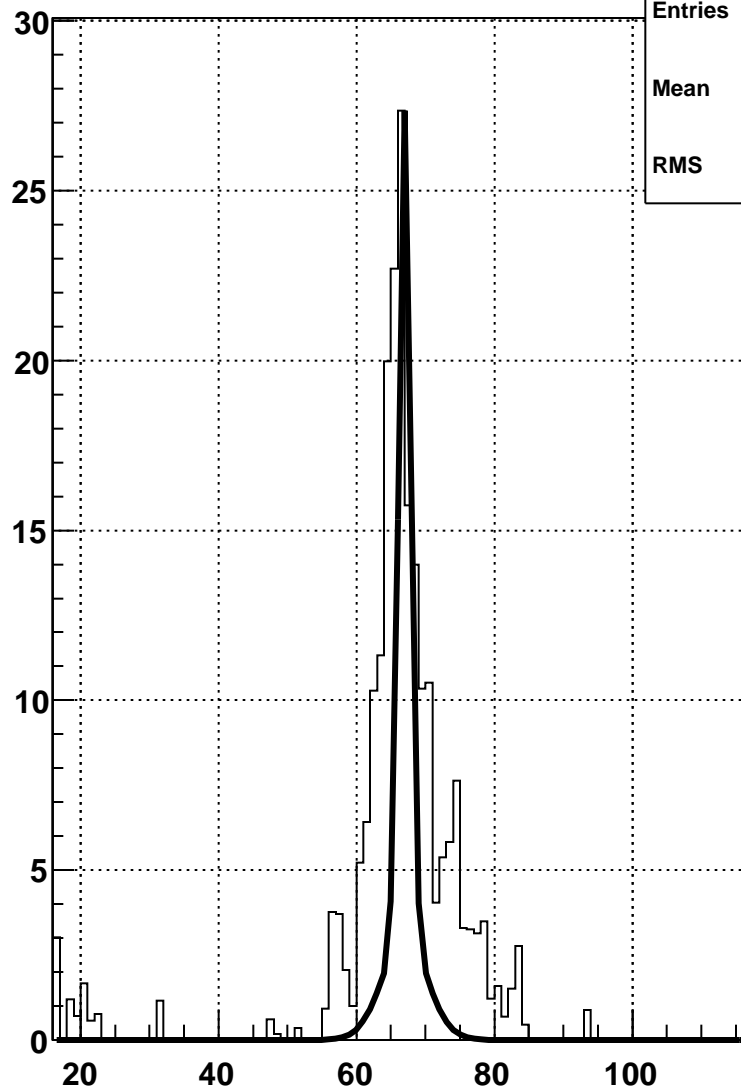
Entries	62
Mean	67.34
RMS	15.64



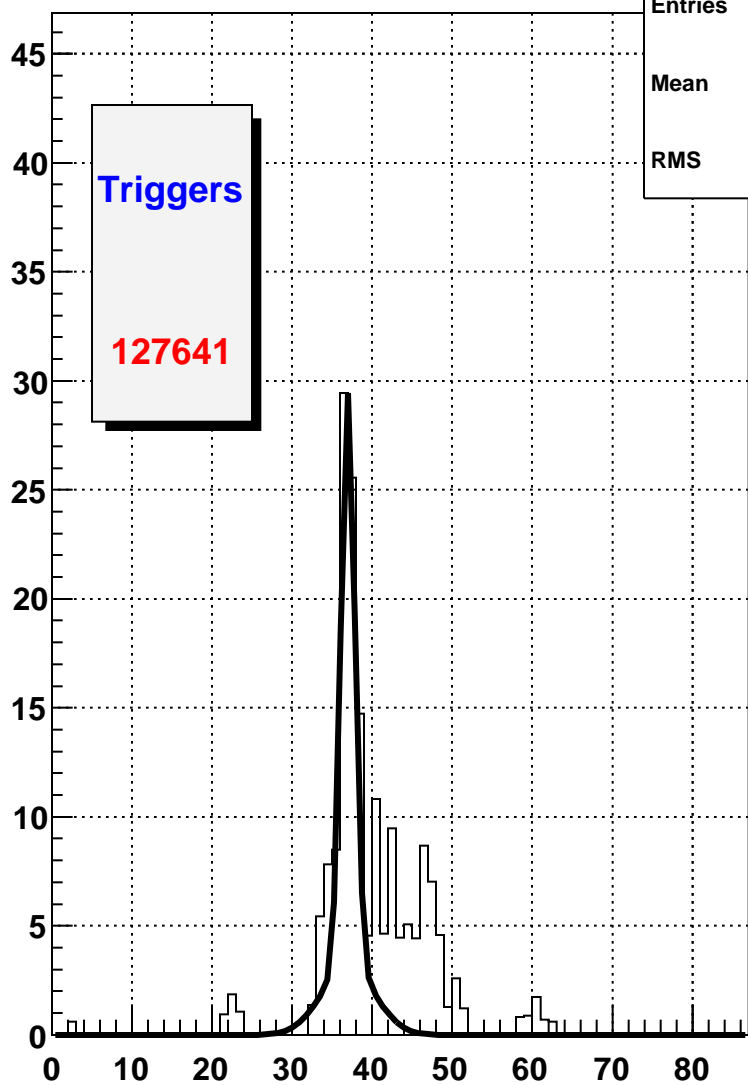
$p_T=8.1$  GeV,  $E=26.2$  GeV

**hSmdv**

Entries	54
Mean	65.68
RMS	11.03



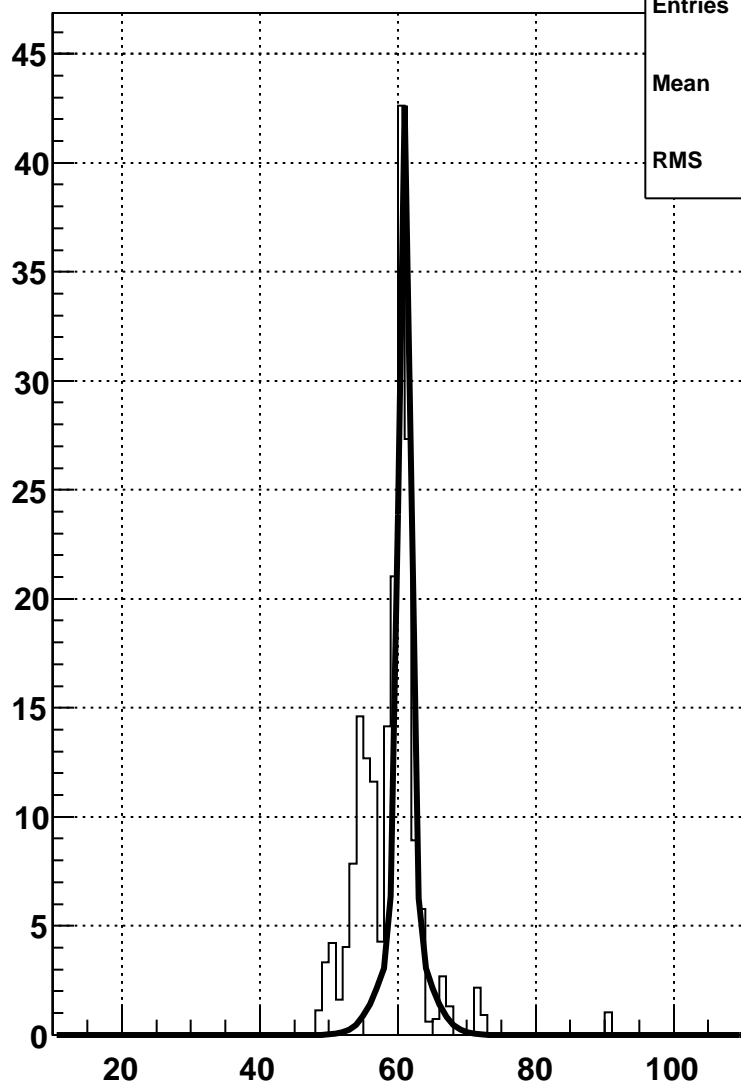
Run=7099045, Event=58652



**hSmdu**

Entries	30
Mean	39.92
RMS	6.551

$p_T=5.4$  GeV,  $E=19.7$  GeV



**hSmdv**

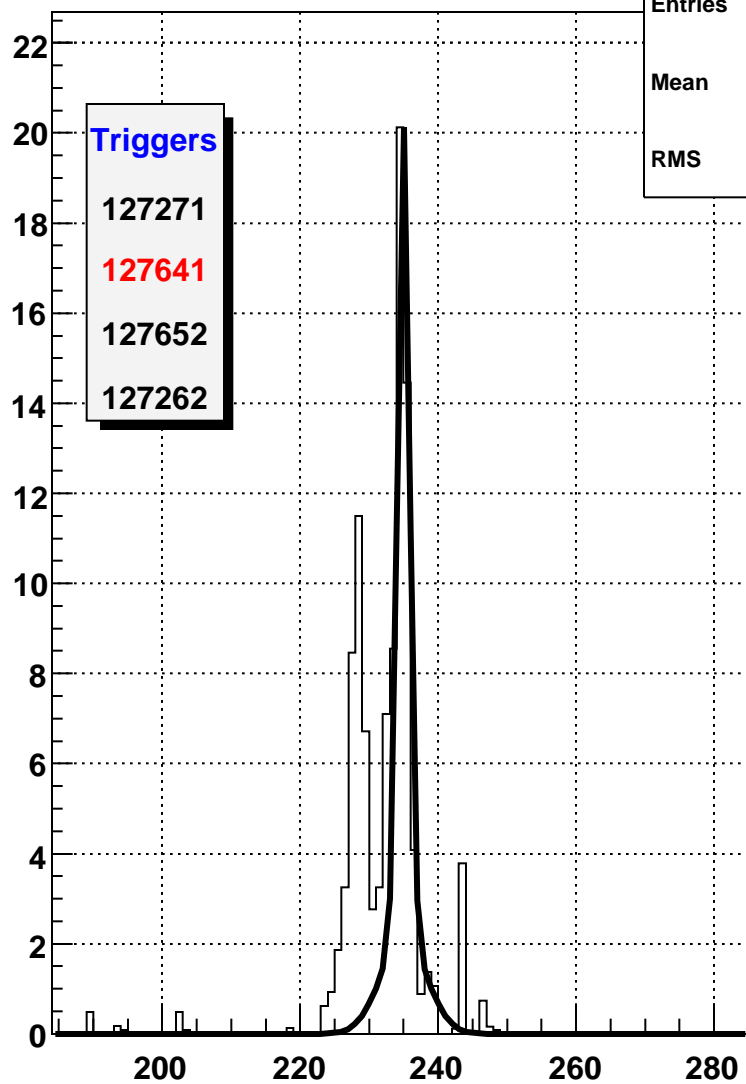
Entries	23
Mean	58.99
RMS	4.591



Run=7099045, Event=59279

**hSmdu**

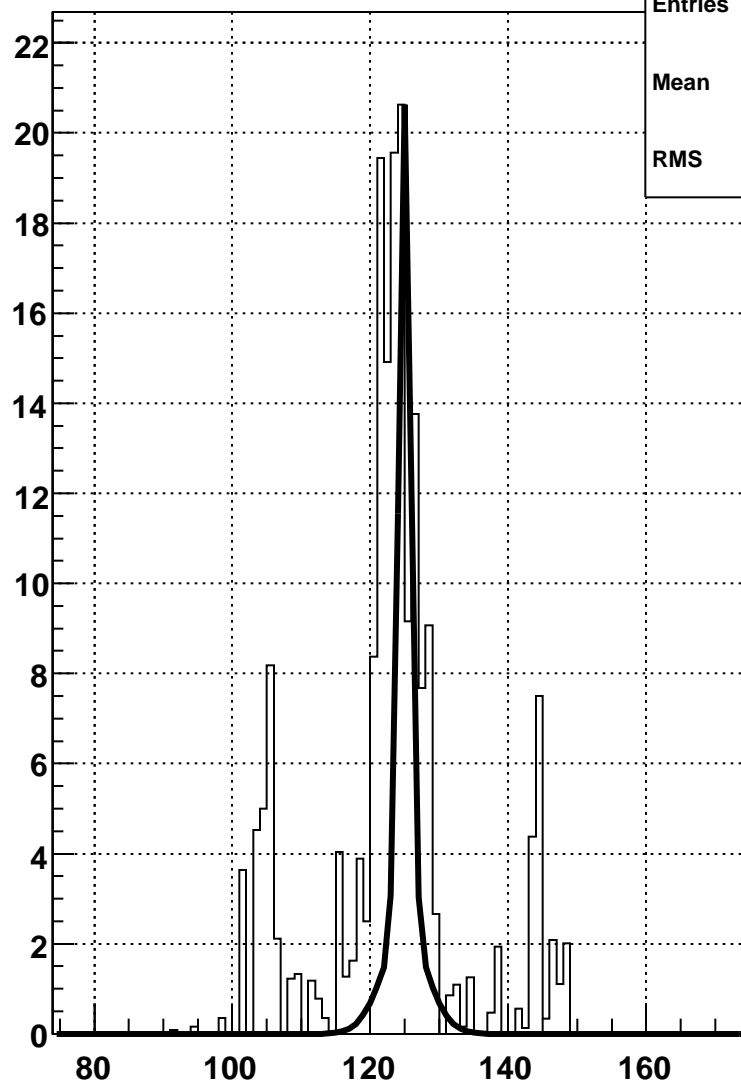
Entries	28
Mean	232.2
RMS	5.982



$p_T=6.9$  GeV,  $E=16.6$  GeV

**hSmdv**

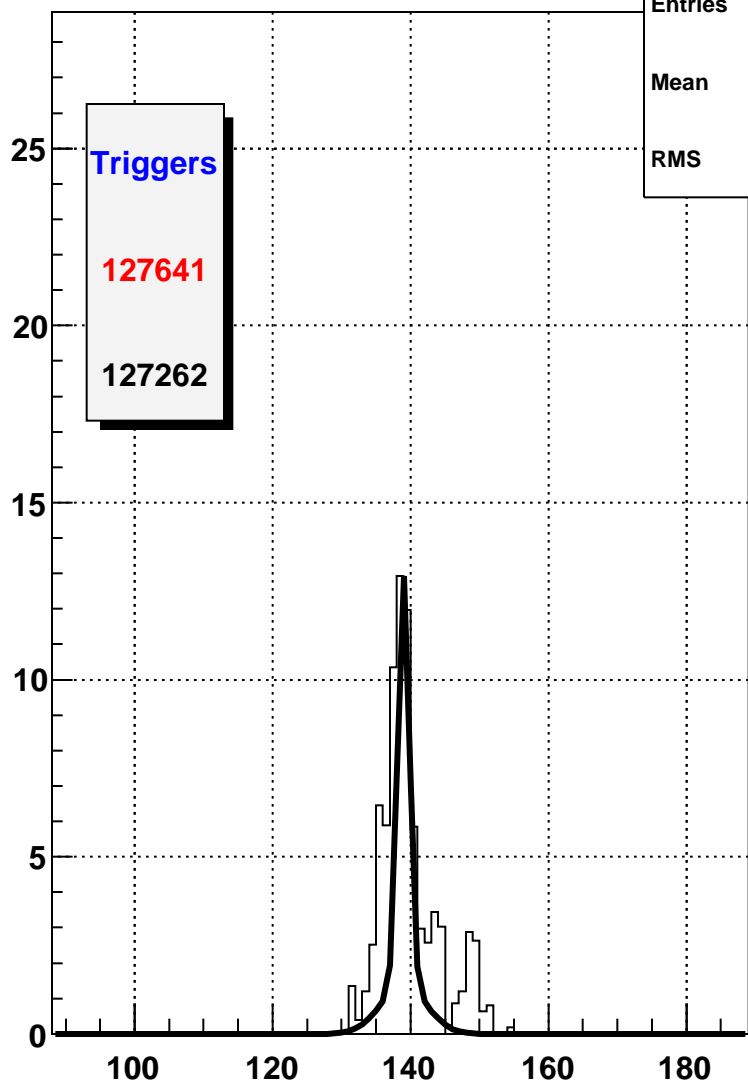
Entries	42
Mean	123.2
RMS	10.35



Run=7099045, Event=59673

**hSmdu**

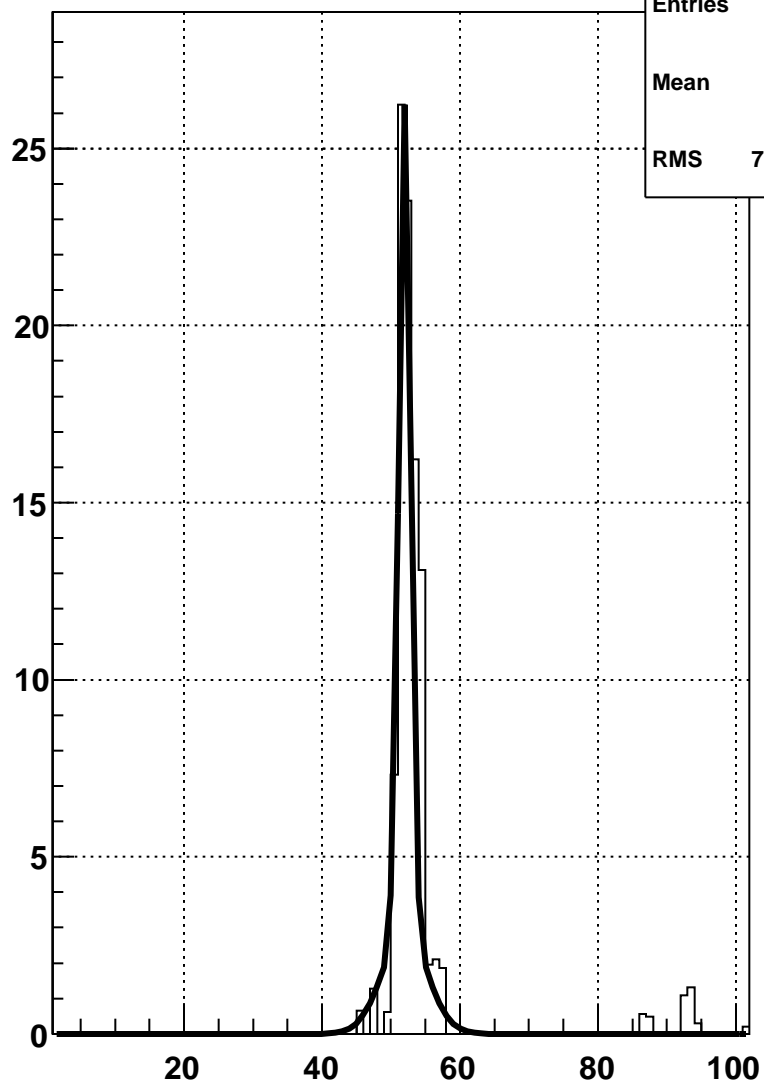
Entries	26
Mean	139.8
RMS	4.237



$p_T=5.4$  GeV,  $E=14.3$  GeV

**hSmdv**

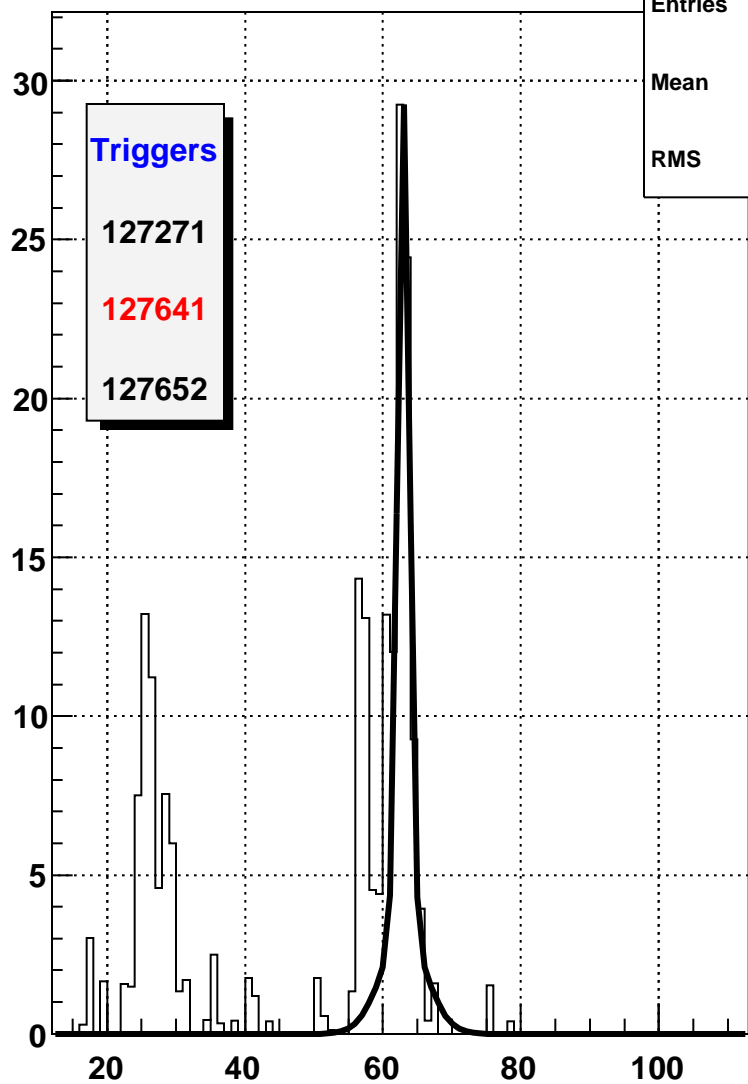
Entries	42
Mean	54.2
RMS	7.927



Run=7099045, Event=59689

**hSmdu**

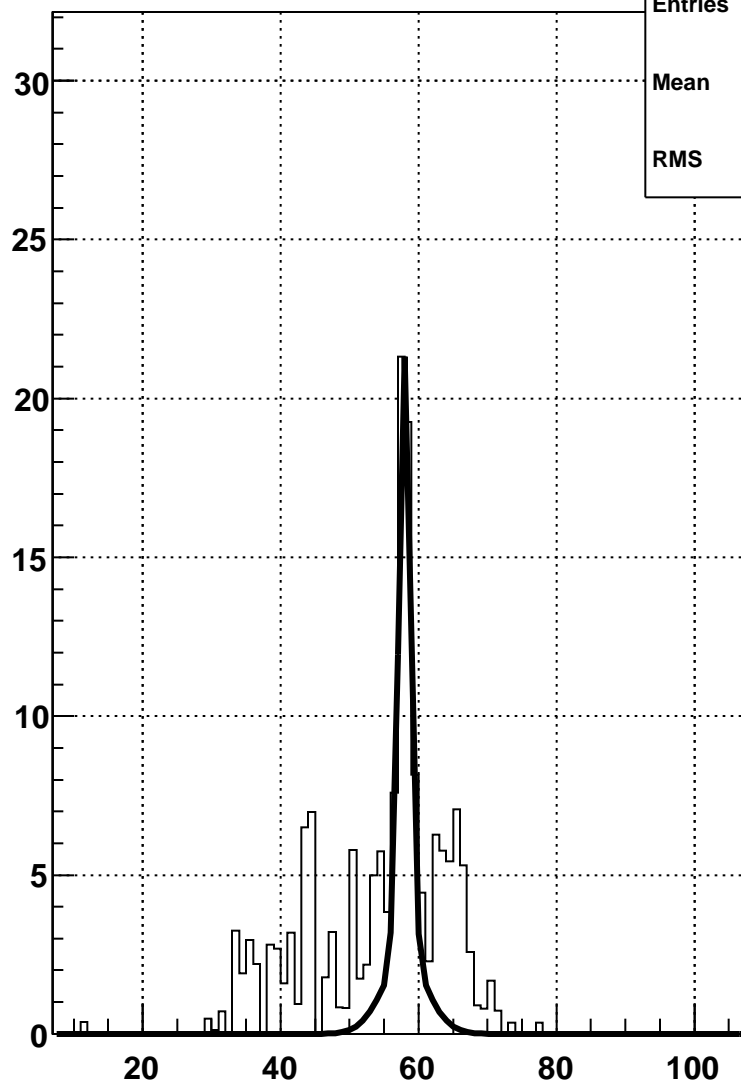
Entries	39
Mean	49.93
RMS	16.51



$p_T=5.4$  GeV,  $E=21.9$  GeV

**hSmdv**

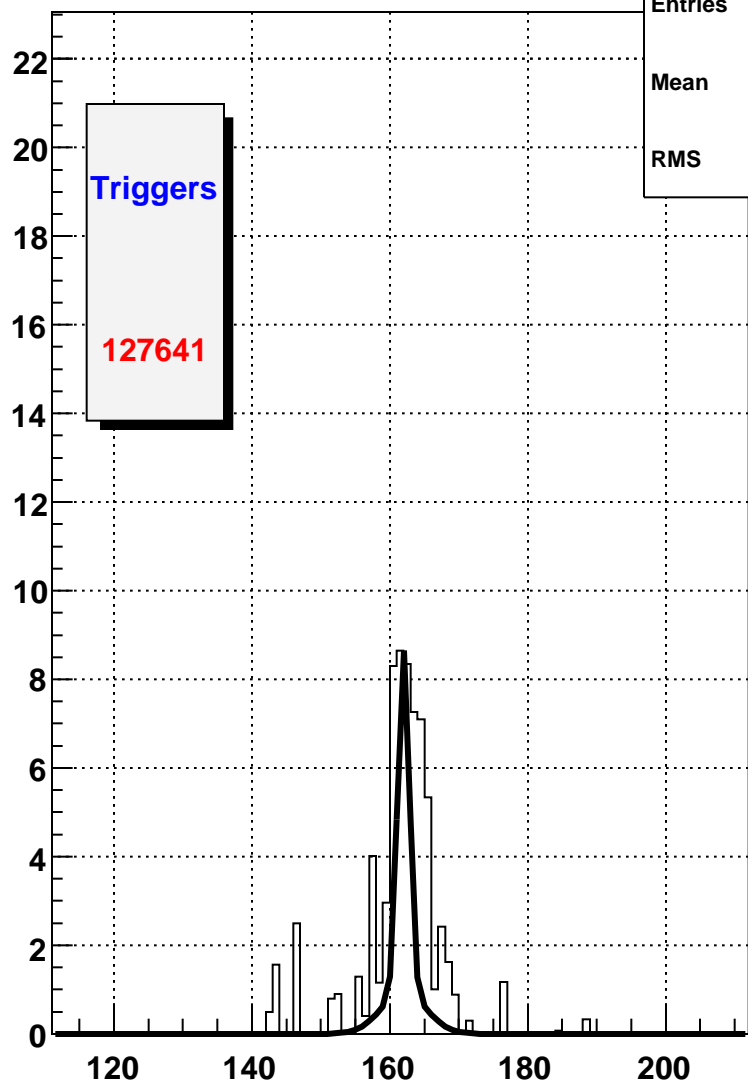
Entries	44
Mean	54.62
RMS	9.593



Run=7099045, Event=59828

**hSmdu**

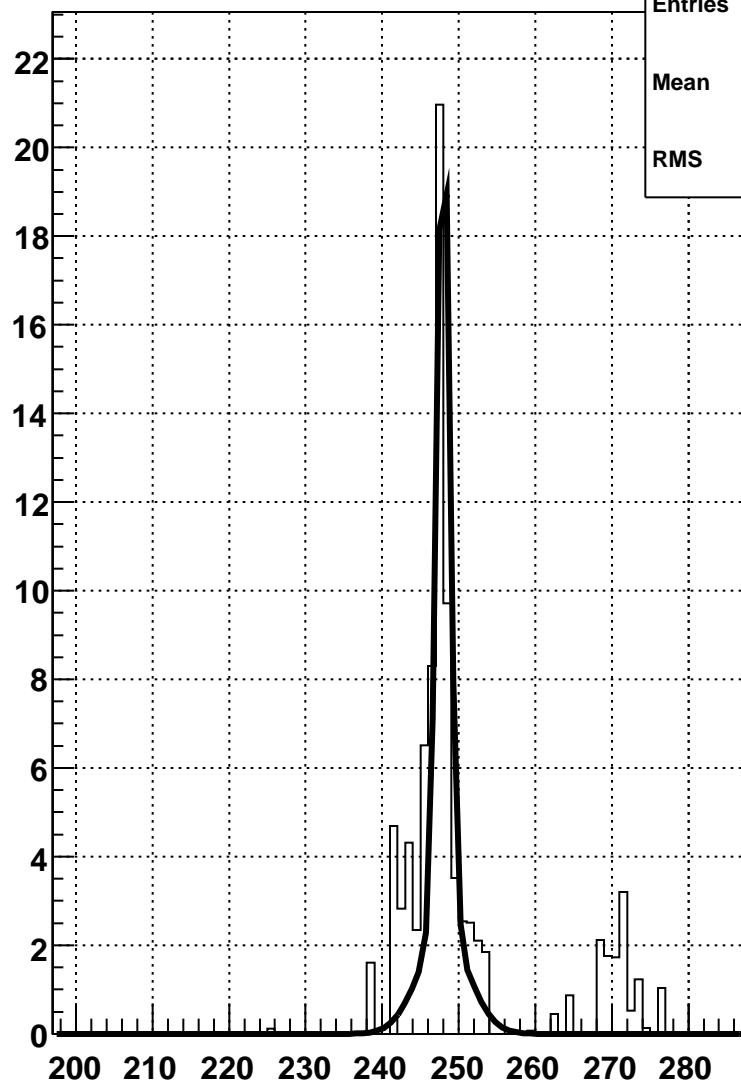
Entries	25
Mean	161.5
RMS	6.084



$p_T=5.6$  GeV,  $E=9.0$  GeV

**hSmdv**

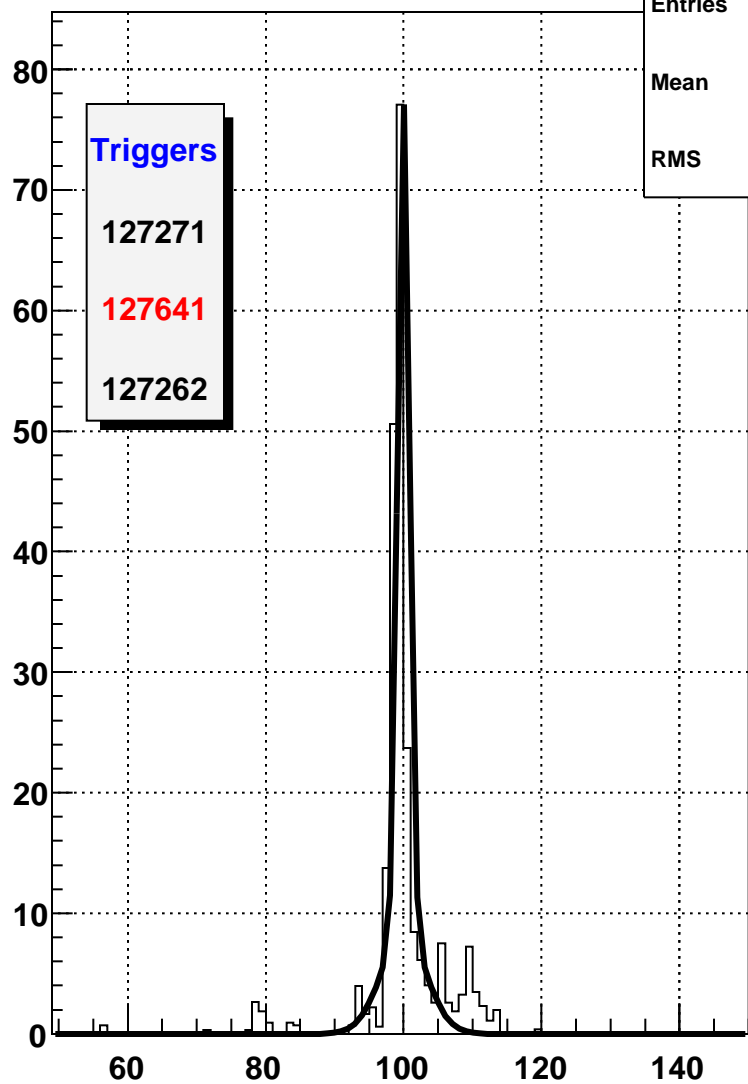
Entries	26
Mean	250.4
RMS	9.006



Run=7099034, Event=91983

**hSmdu**

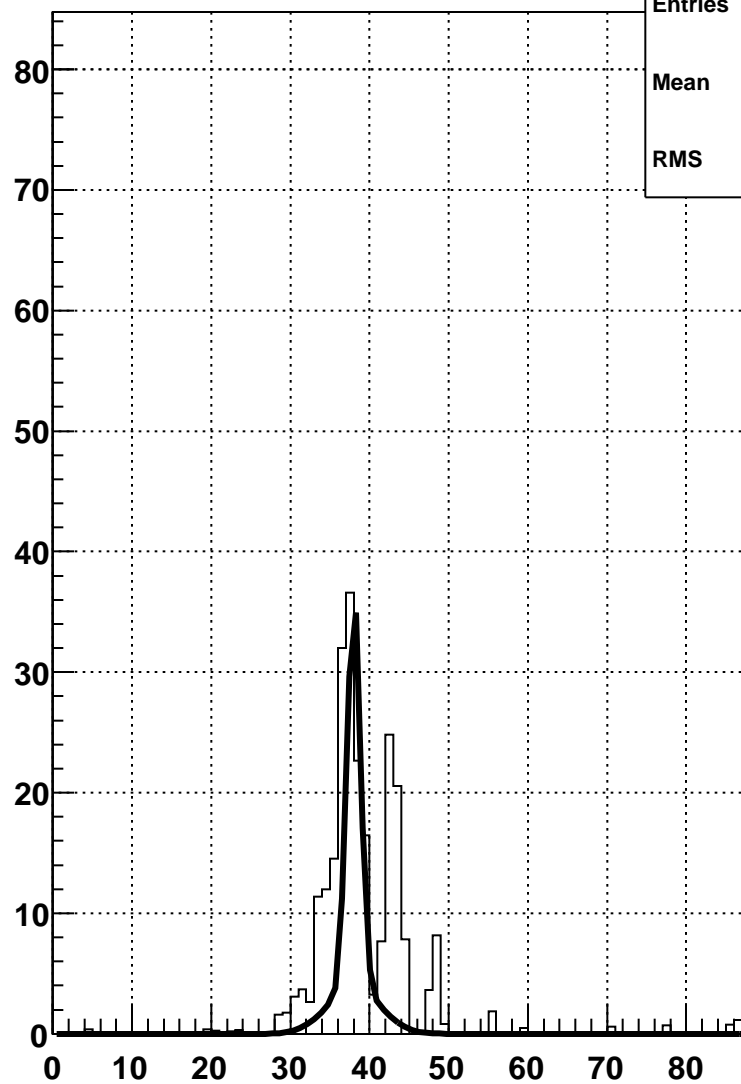
Entries	45
Mean	99.82
RMS	5.784



$p_T=8.7$  GeV,  $E=28.5$  GeV

**hSmdv**

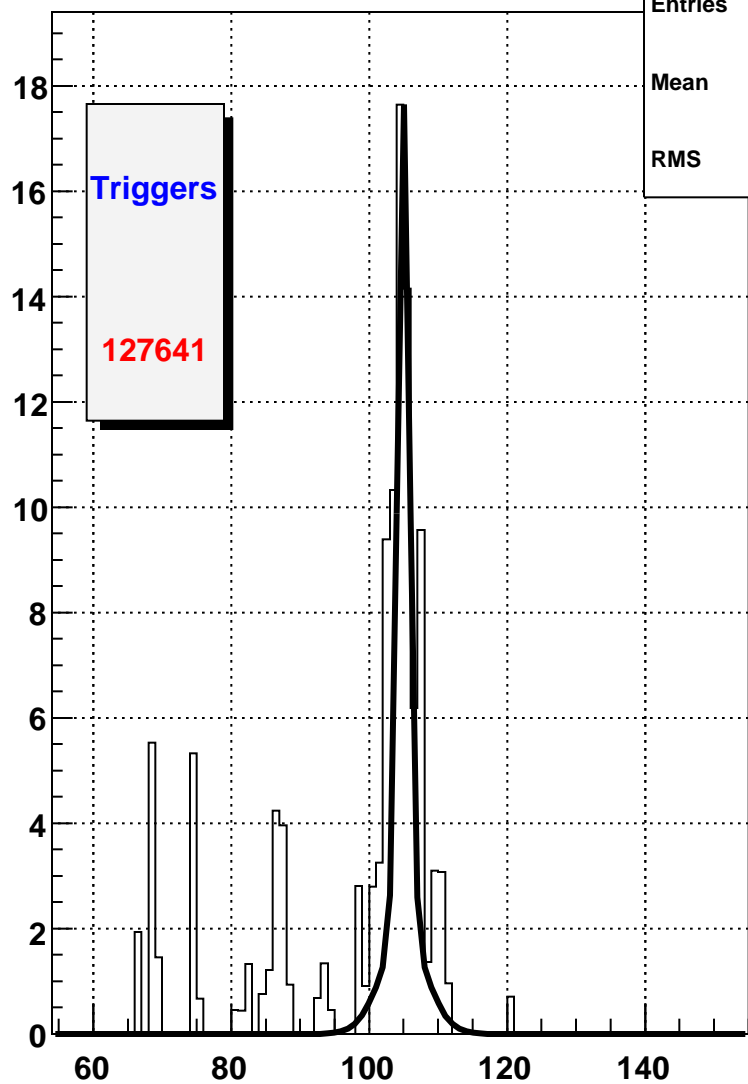
Entries	52
Mean	39.39
RMS	6.869



Run=7099034, Event=94878

**hSmdu**

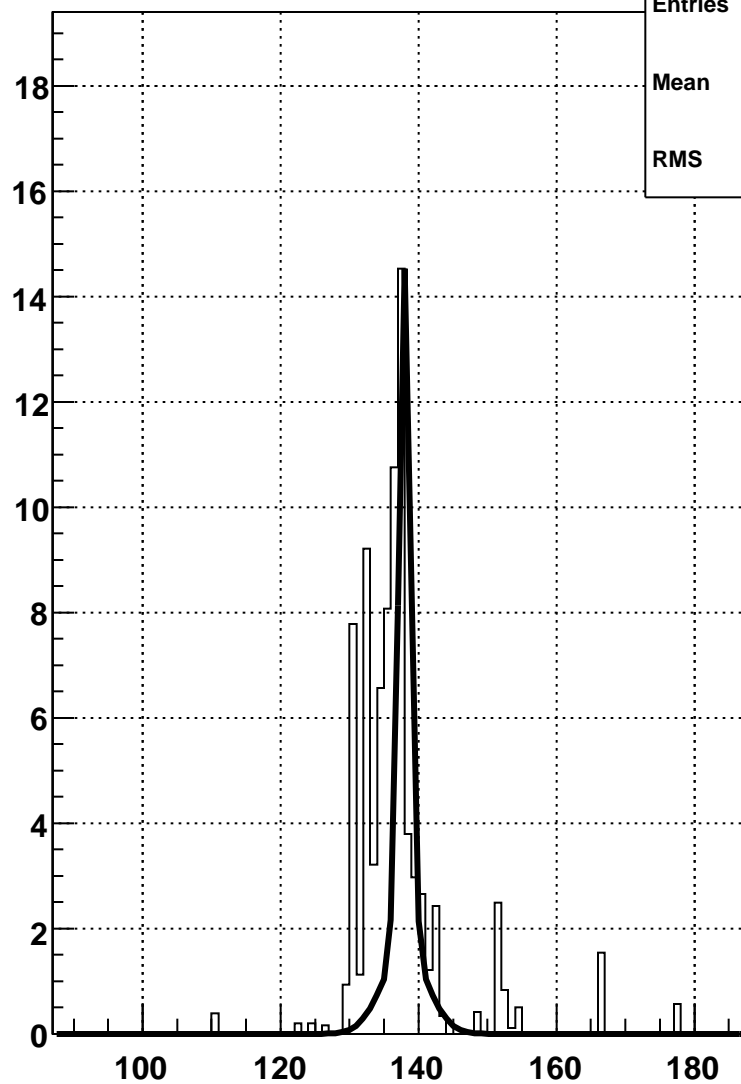
Entries	31
Mean	98.21
RMS	12.48



$p_T=6.2$  GeV,  $E=11.6$  GeV

**hSmdv**

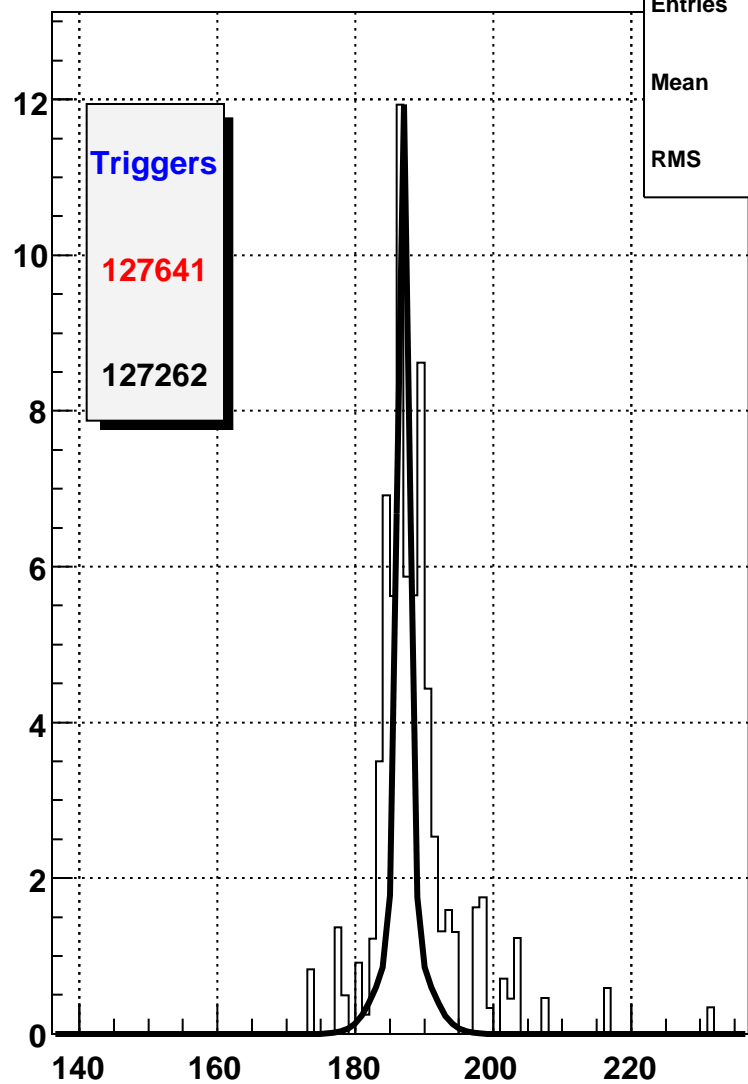
Entries	26
Mean	137.2
RMS	7.343



Run=7099034, Event=104413

**hSmdu**

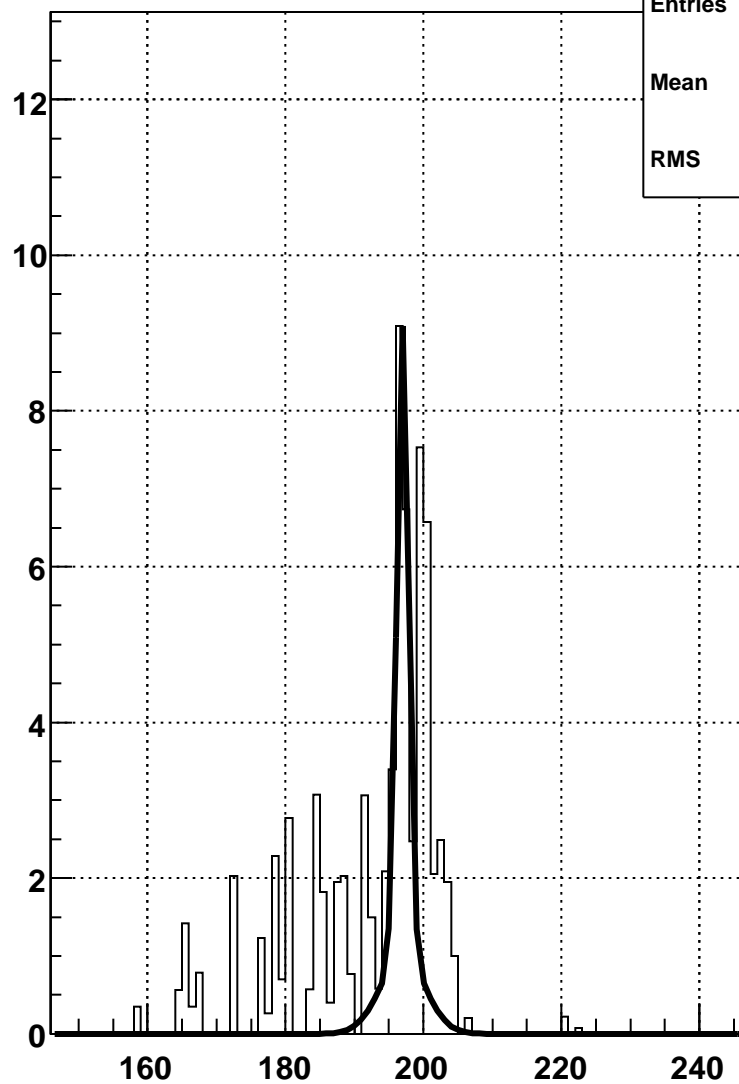
Entries	27
Mean	188.7
RMS	6.536



$p_T=5.4$  GeV,  $E=9.9$  GeV

**hSmdv**

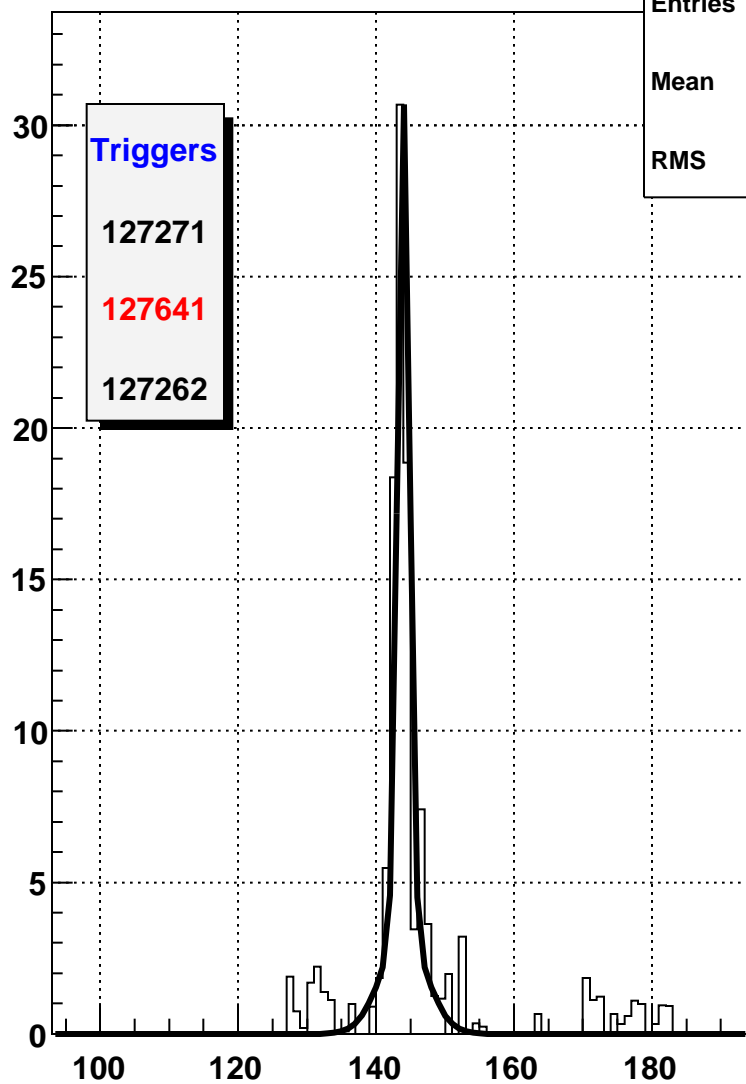
Entries	35
Mean	192.4
RMS	10.05



Run=7099045, Event=52007

**hSmdu**

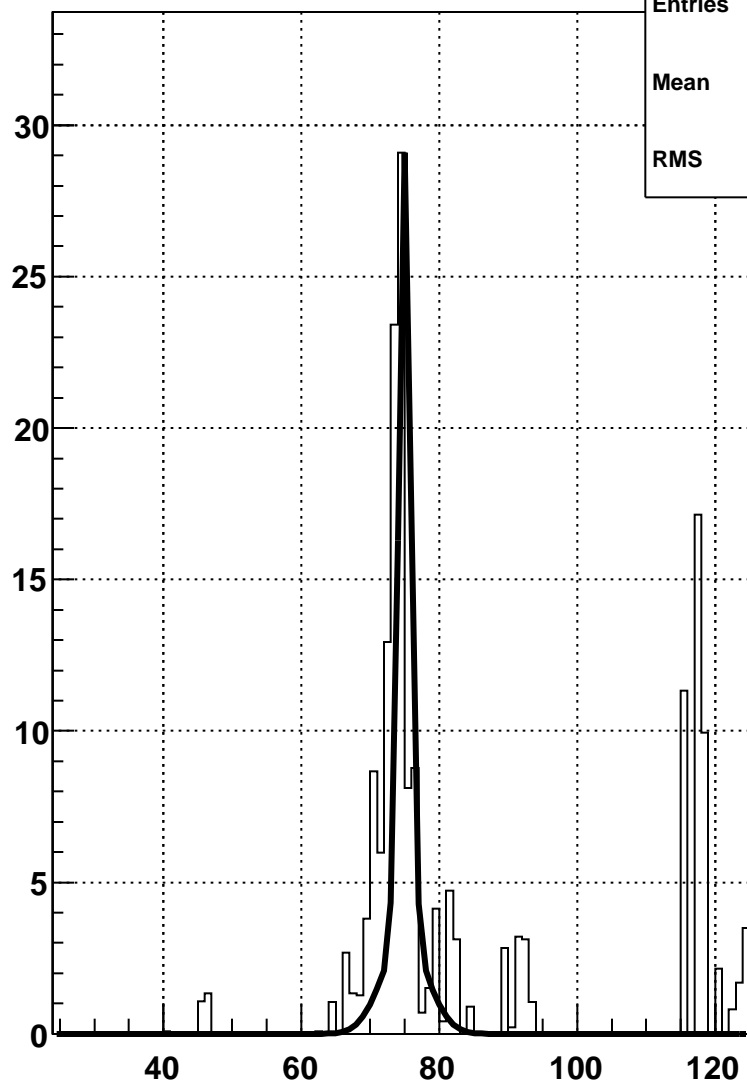
Entries	45
Mean	146
RMS	10.21



$p_T=6.1$  GeV,  $E=13.8$  GeV

**hSmdv**

Entries	46
Mean	85.99
RMS	19.84

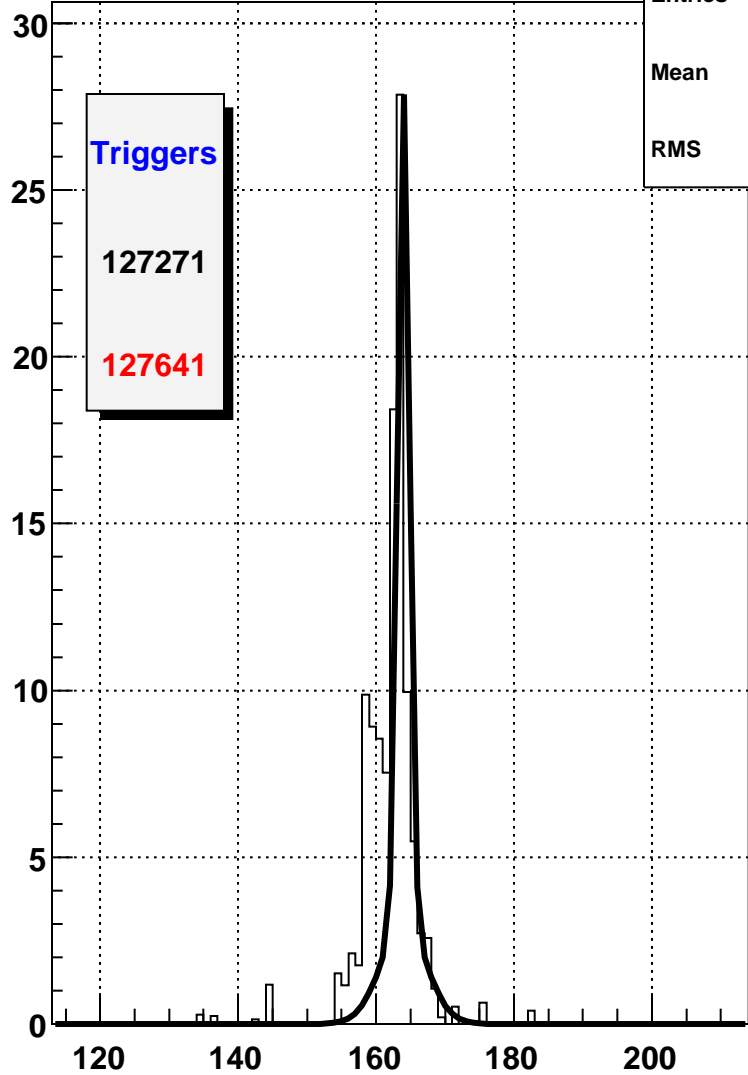




Run=7099045, Event=52518

**hSmdu**

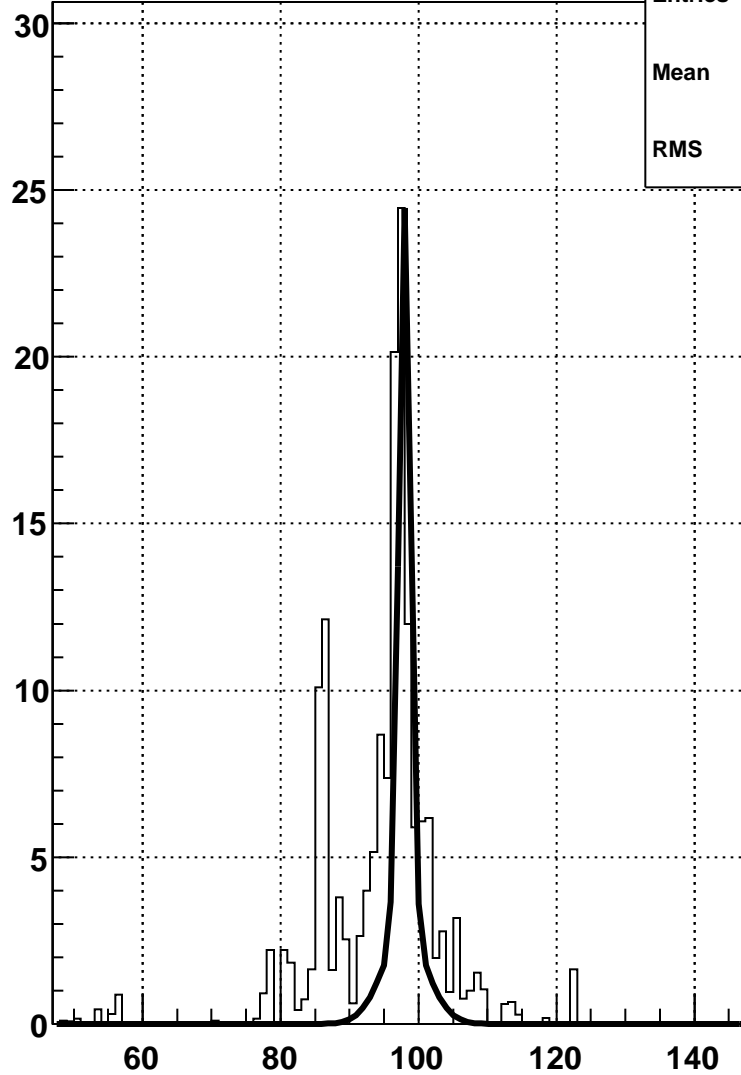
Entries	23
Mean	162
RMS	4.132



$p_T=8.4$  GeV,  $E=18.0$  GeV

**hSmdv**

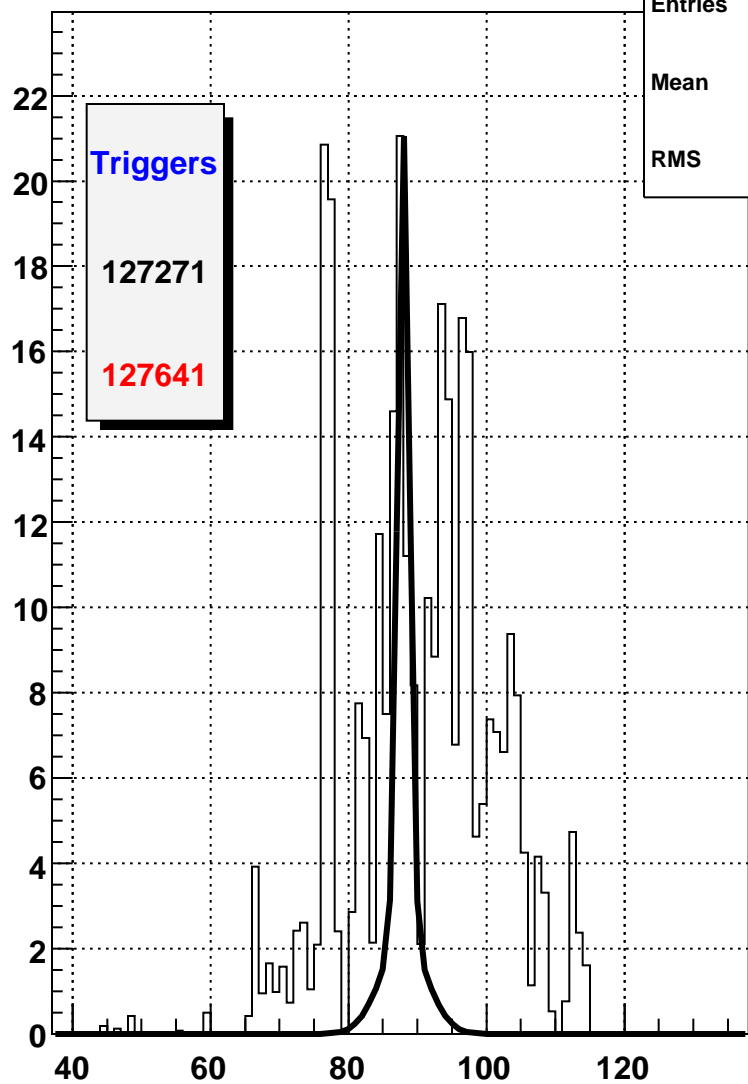
Entries	45
Mean	94.65
RMS	8.514



Run=7099045, Event=52648

**hSmdu**

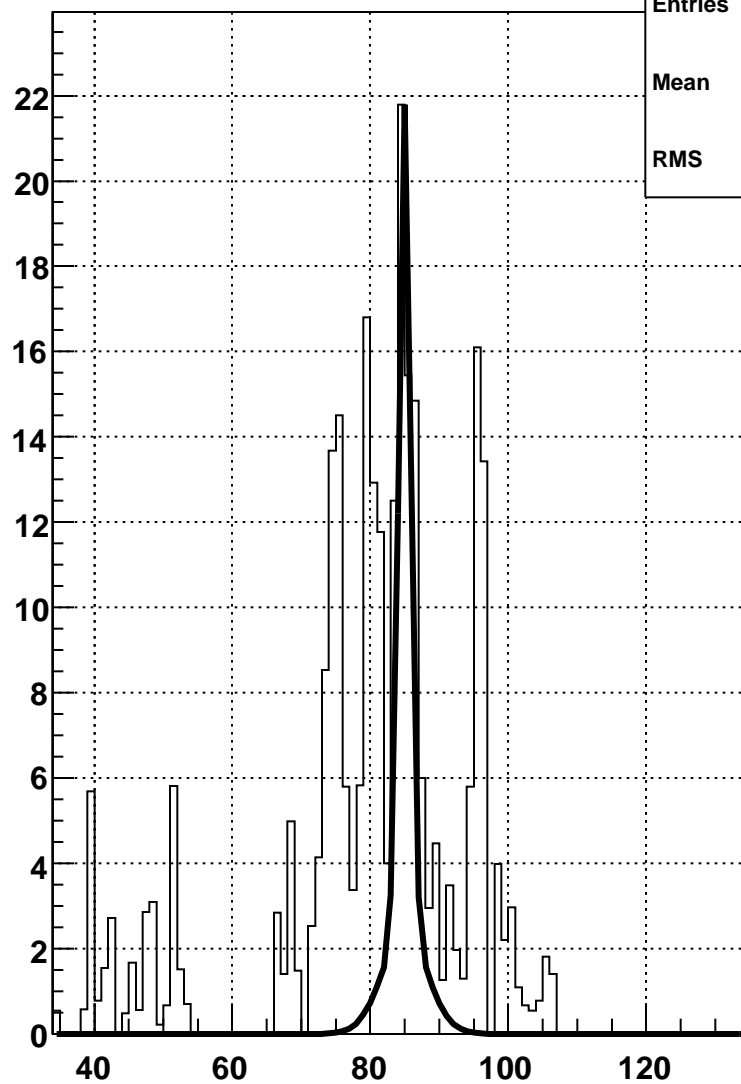
Entries	53
Mean	90.35
RMS	10.68



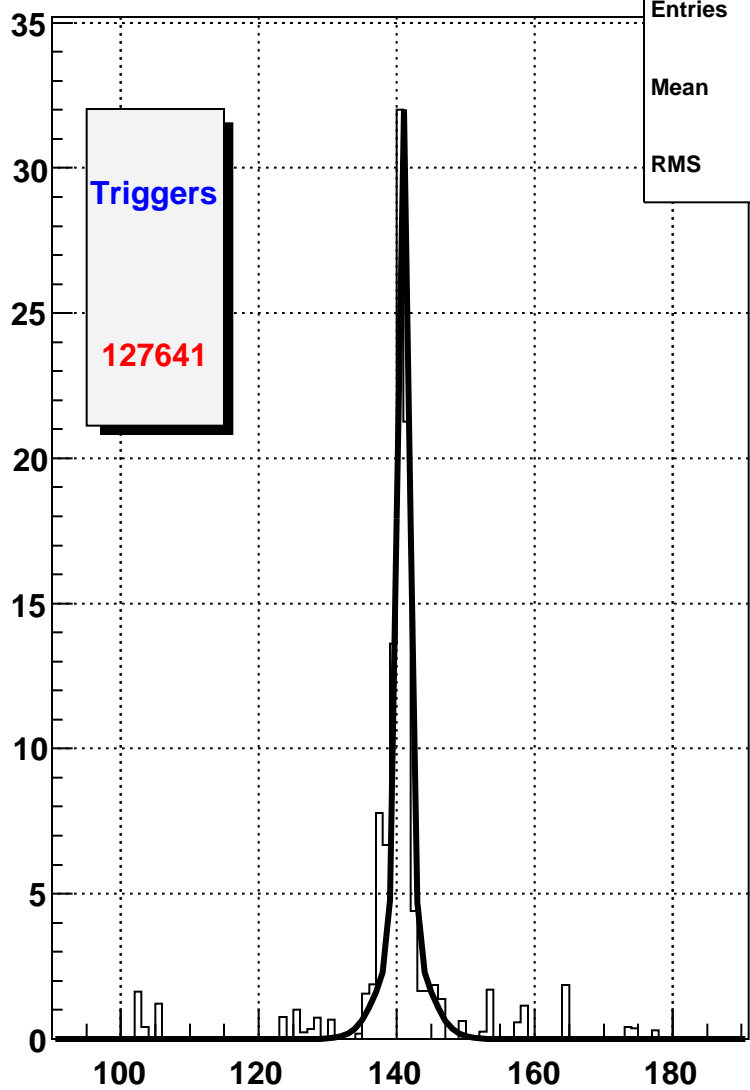
$p_T=8.0$  GeV,  $E=20.3$  GeV

**hSmdv**

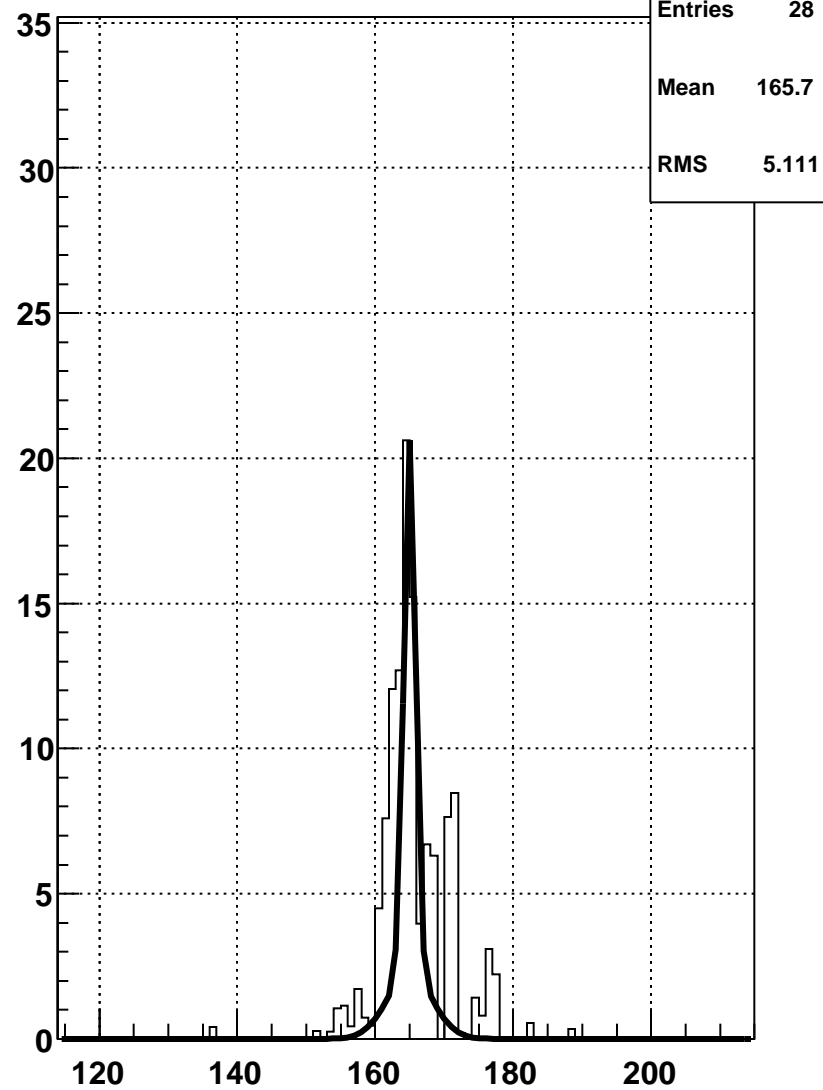
Entries	56
Mean	80.08
RMS	14.39



Run=7099045, Event=54267



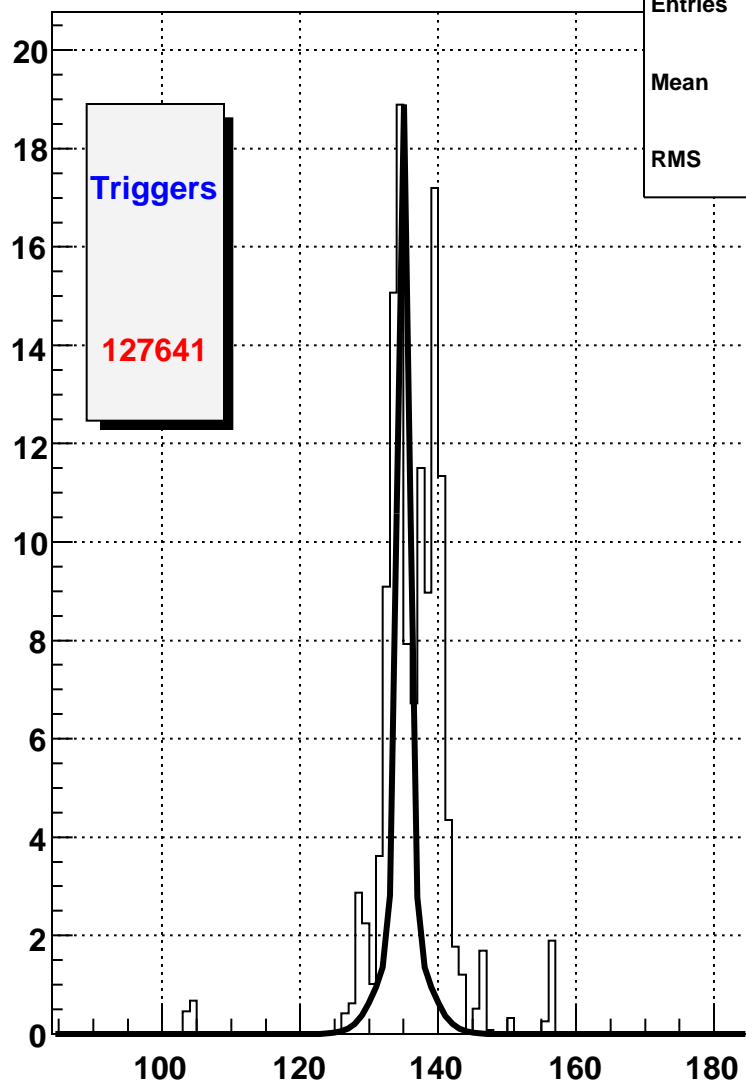
$p_T=5.9$  GeV,  $E=11.6$  GeV



Run=7099045, Event=54402

**hSmdu**

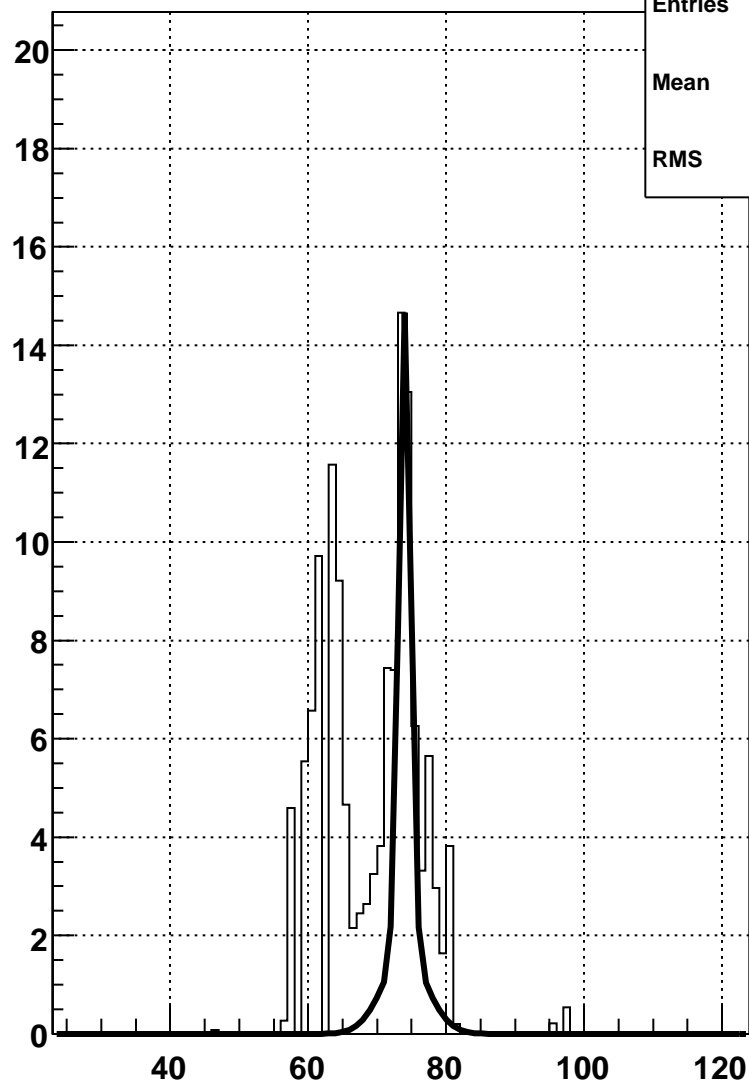
Entries	26
Mean	136.5
RMS	5.397



$p_T=6.1$  GeV,  $E=15.9$  GeV

**hSmdv**

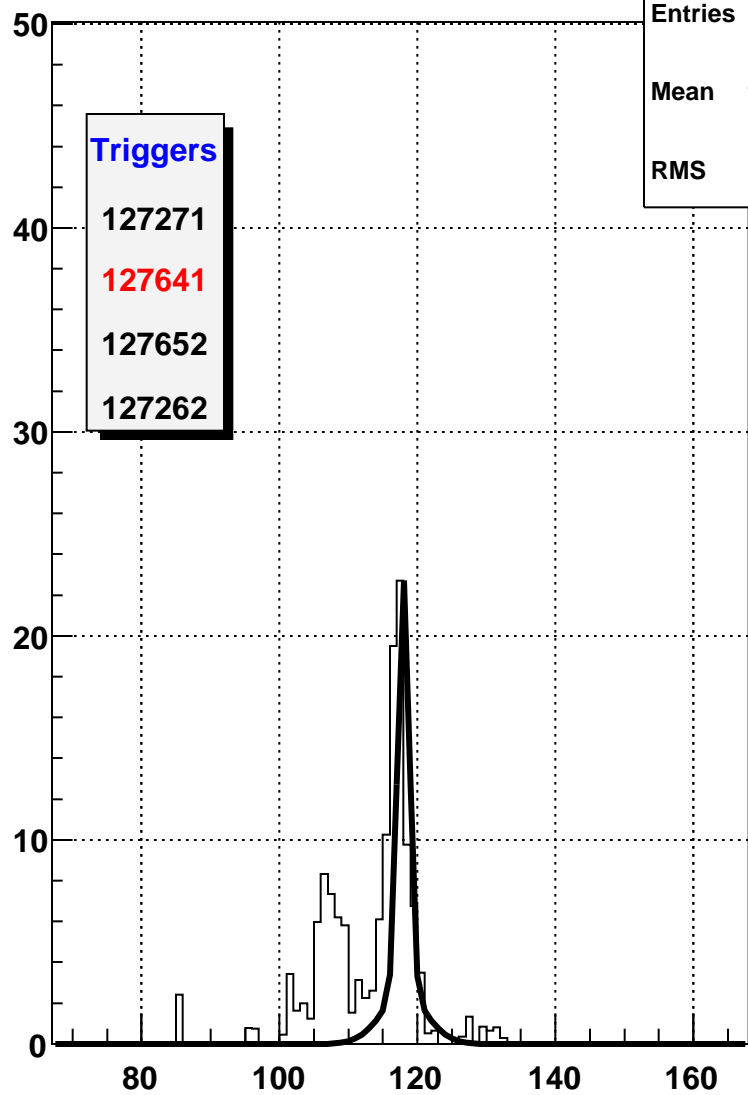
Entries	27
Mean	69.33
RMS	6.744



Run=7099045, Event=55760

**hSmdu**

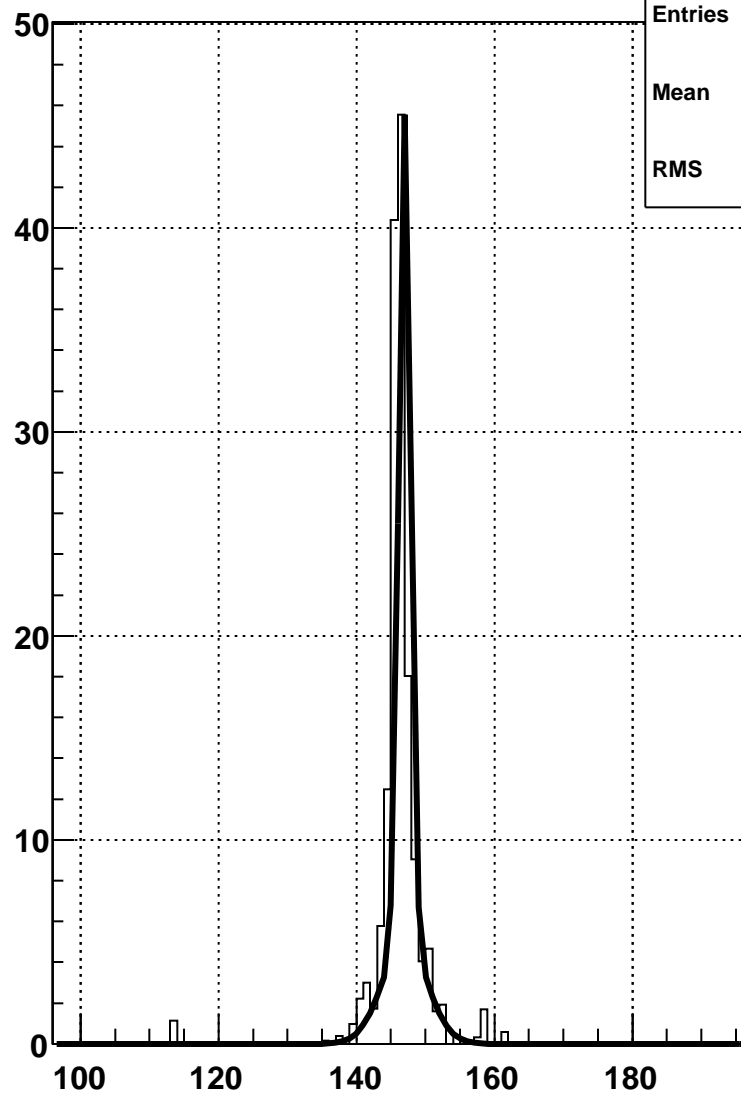
Entries 32  
Mean 113.2  
RMS 7.161



$p_T=8.6$  GeV,  $E=19.5$  GeV

**hSmdv**

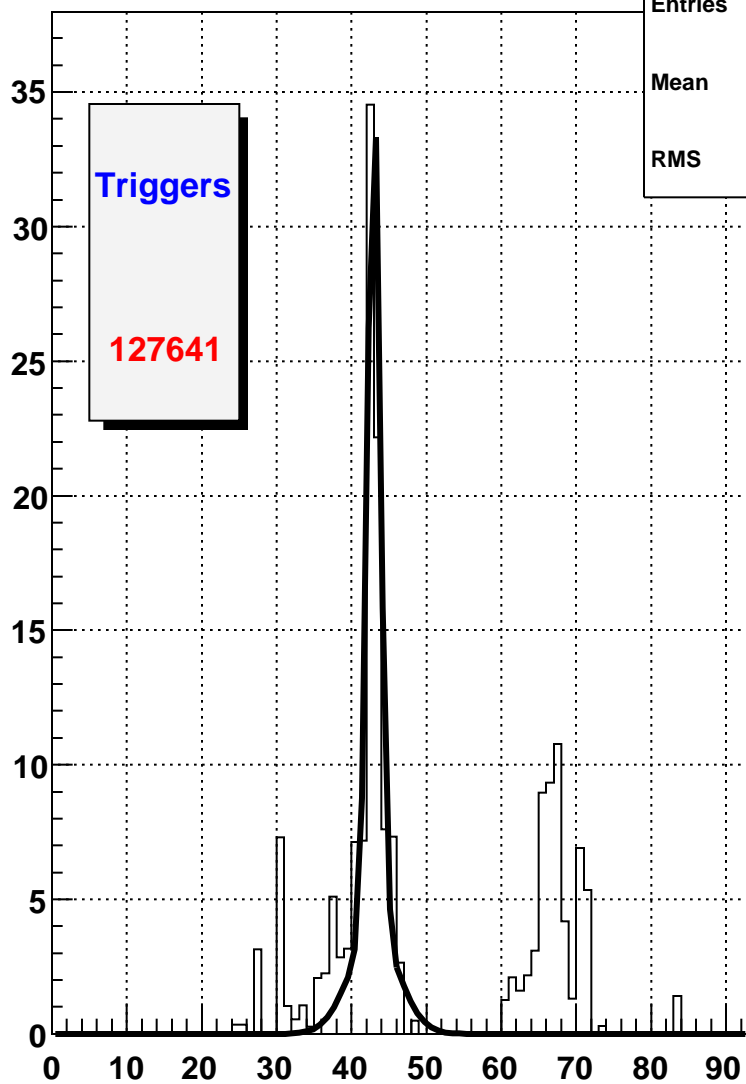
Entries 22  
Mean 146.2  
RMS 3.91



Run=7099045, Event=39376

**hSmdu**

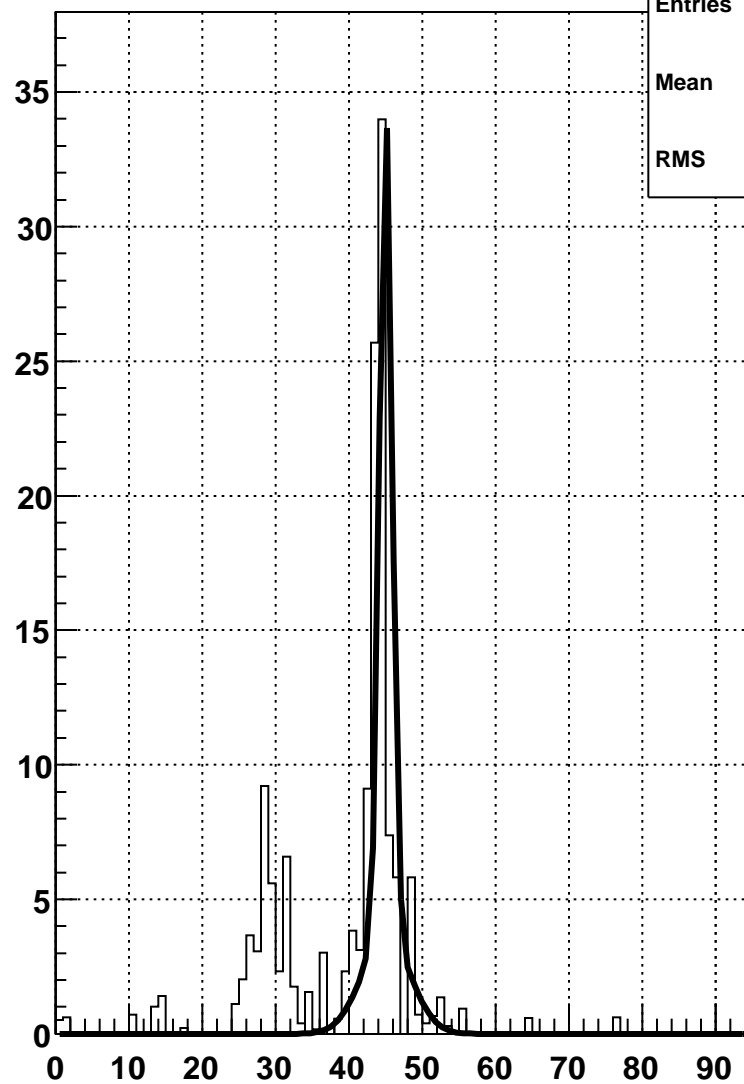
Entries	35
Mean	49.66
RMS	13.27



$p_T=7.4$  GeV,  $E=20.1$  GeV

**hSmdv**

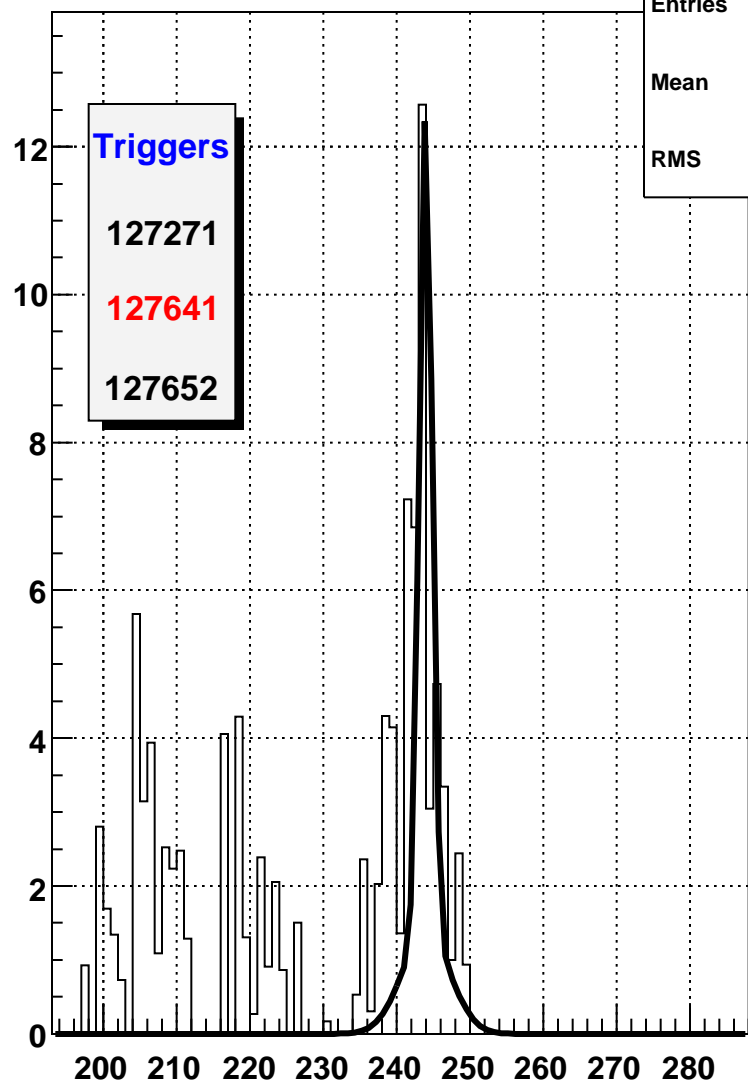
Entries	37
Mean	39.62
RMS	9.157



Run=7099045, Event=39556

**hSmdu**

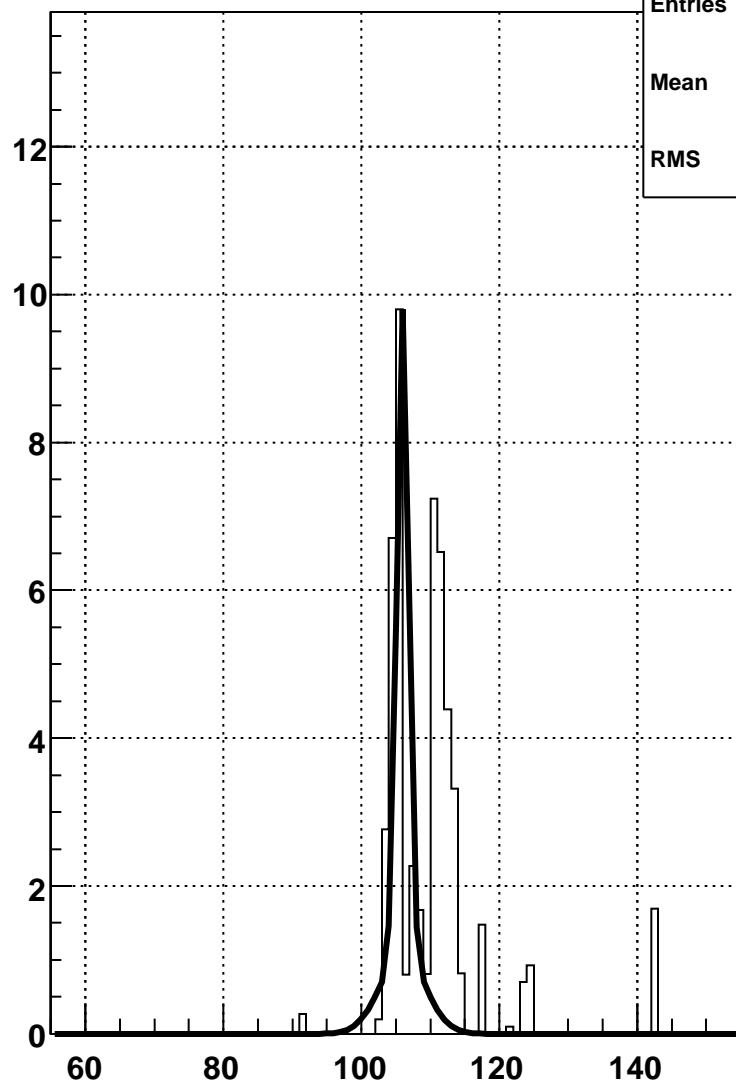
Entries	41
Mean	228.2
RMS	16.78



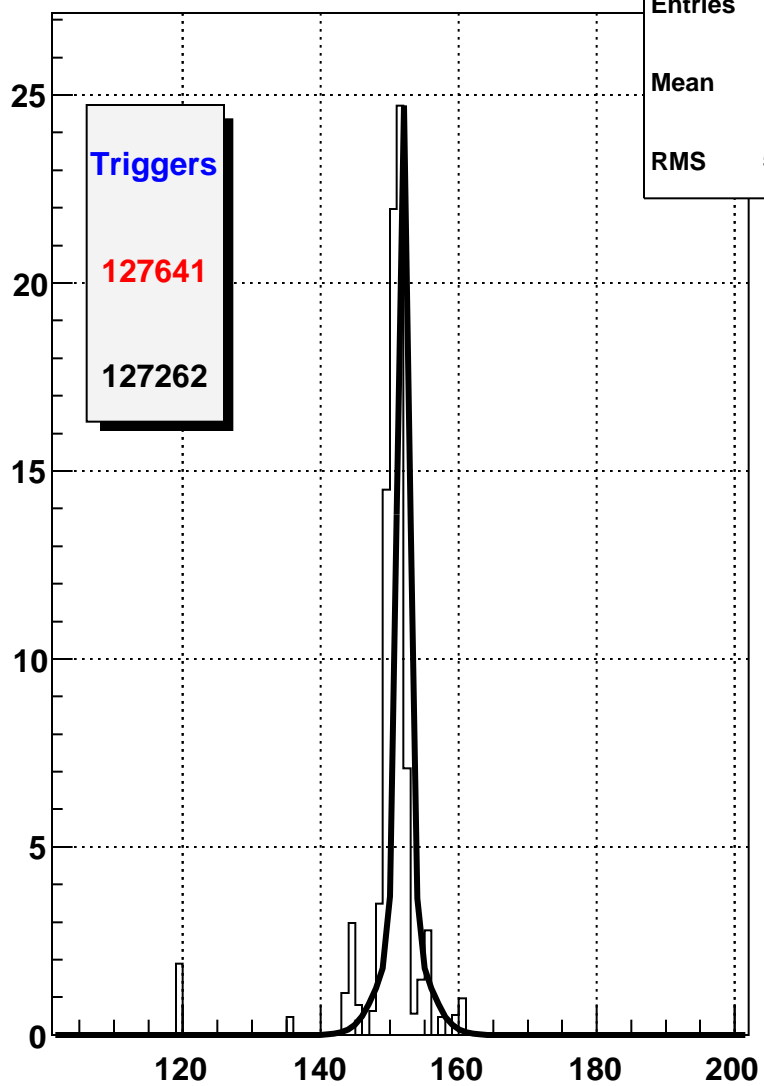
$p_T=5.6$  GeV,  $E=11.4$  GeV

**hSmdv**

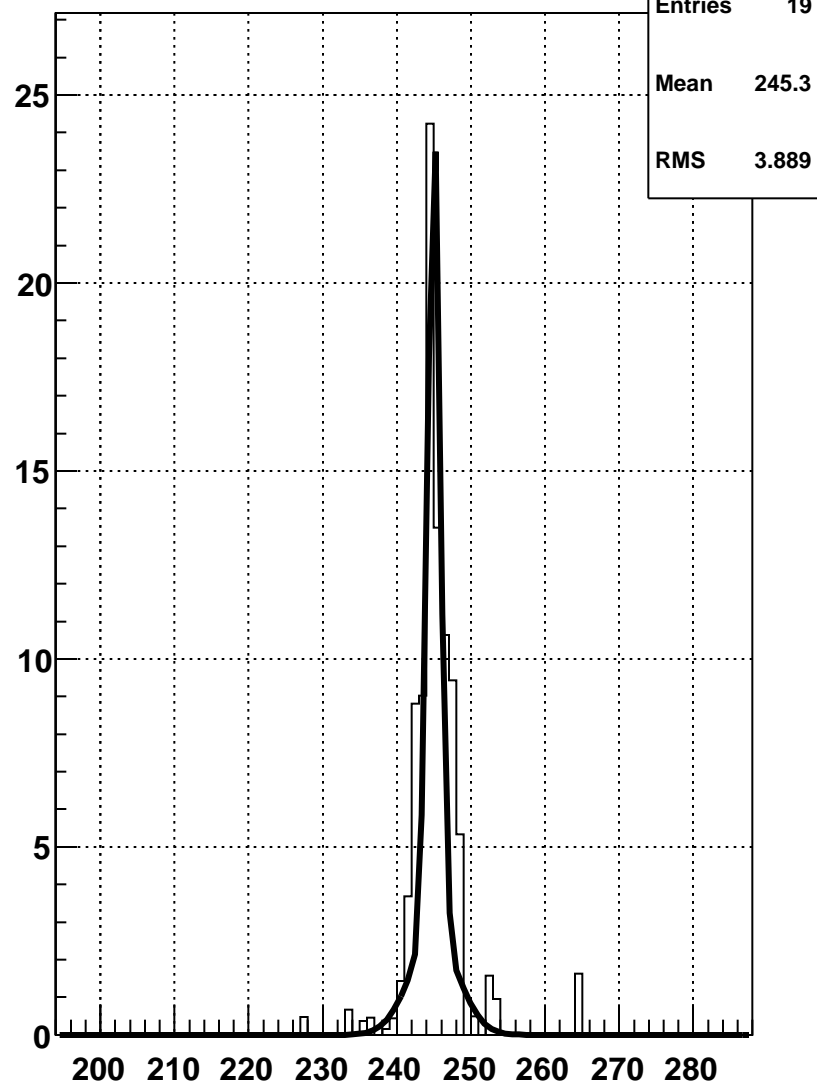
Entries	36
Mean	110.2
RMS	7.502



Run=7099045, Event=39900



$p_T=5.1$  GeV,  $E=9.1$  GeV

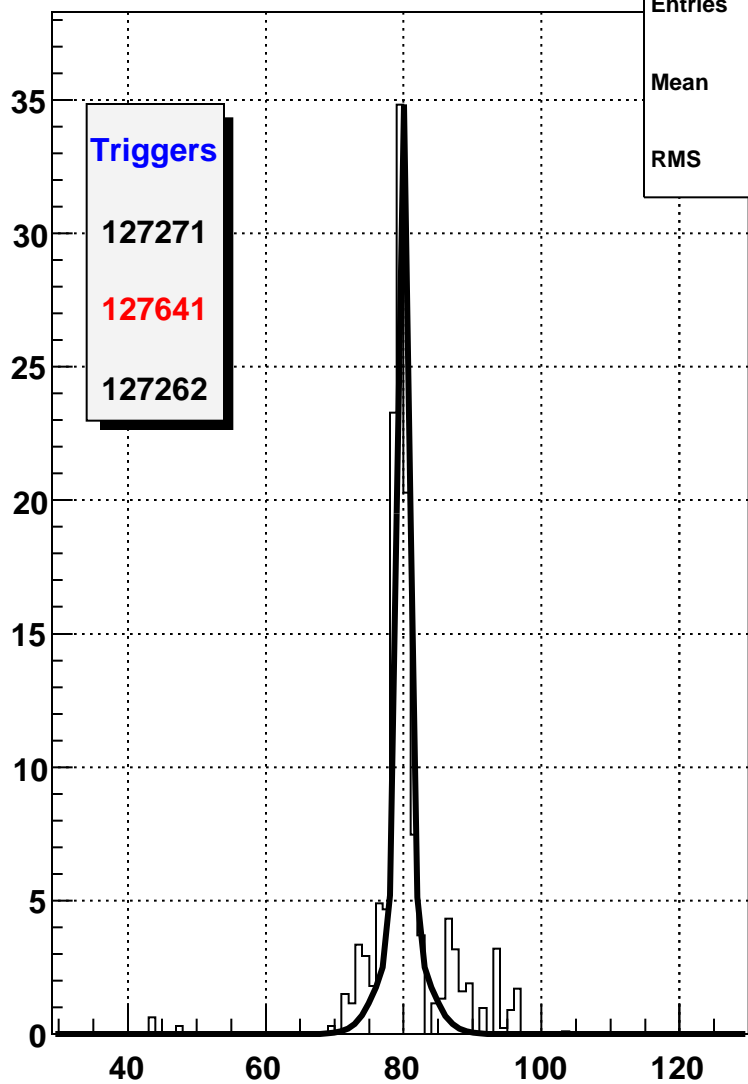




Run=7099045, Event=40400

**hSmdu**

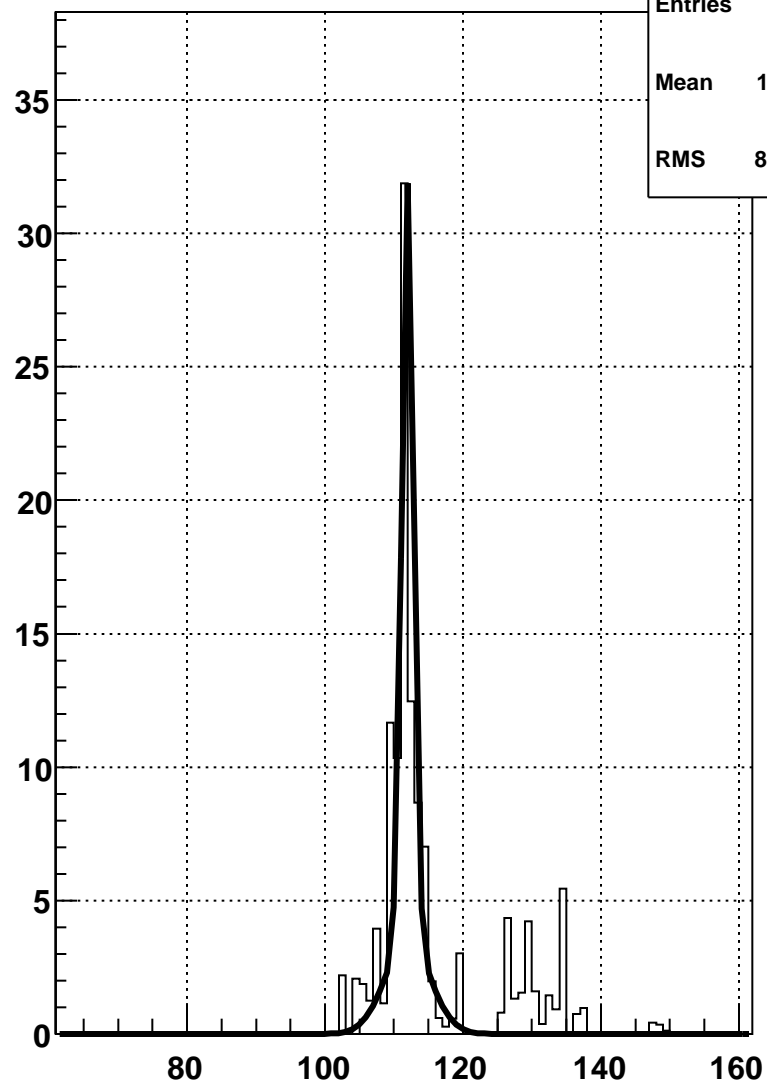
Entries	27
Mean	80.33
RMS	5.507



$p_T=6.3$  GeV,  $E=17.4$  GeV

**hSmdv**

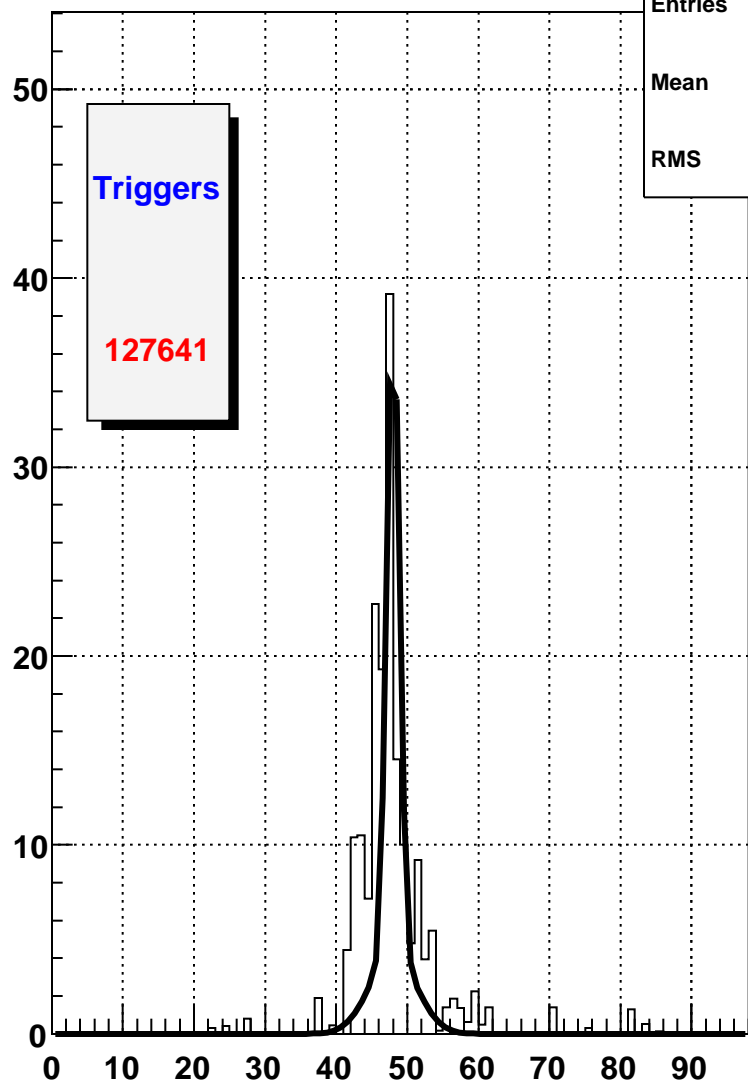
Entries	33
Mean	115.3
RMS	8.654



Run=7099045, Event=40442

**hSmdu**

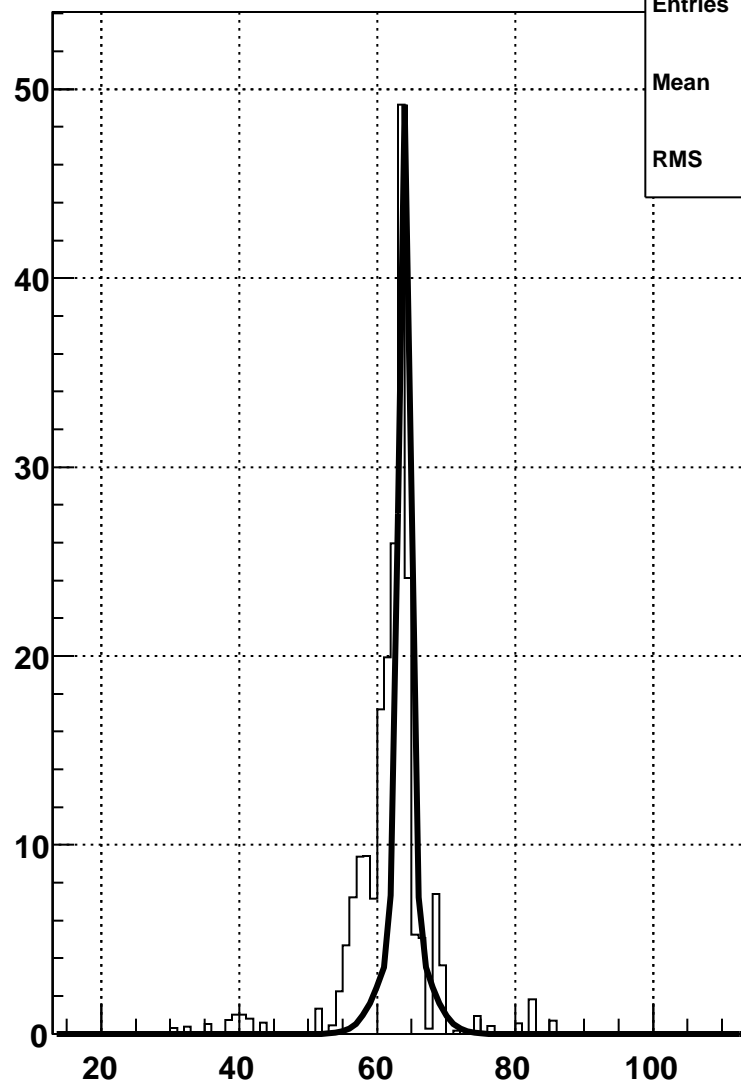
Entries	31
Mean	47.99
RMS	6.151



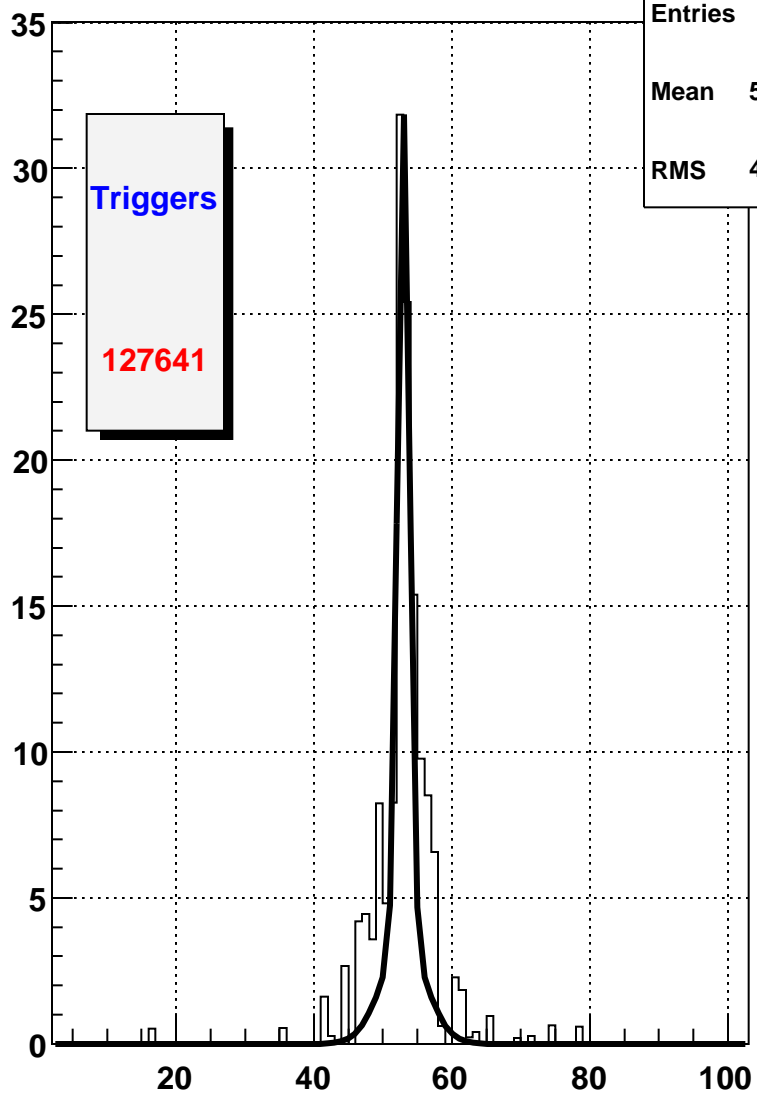
$p_T=10.6$  GeV,  $E=23.7$  GeV

**hSmdv**

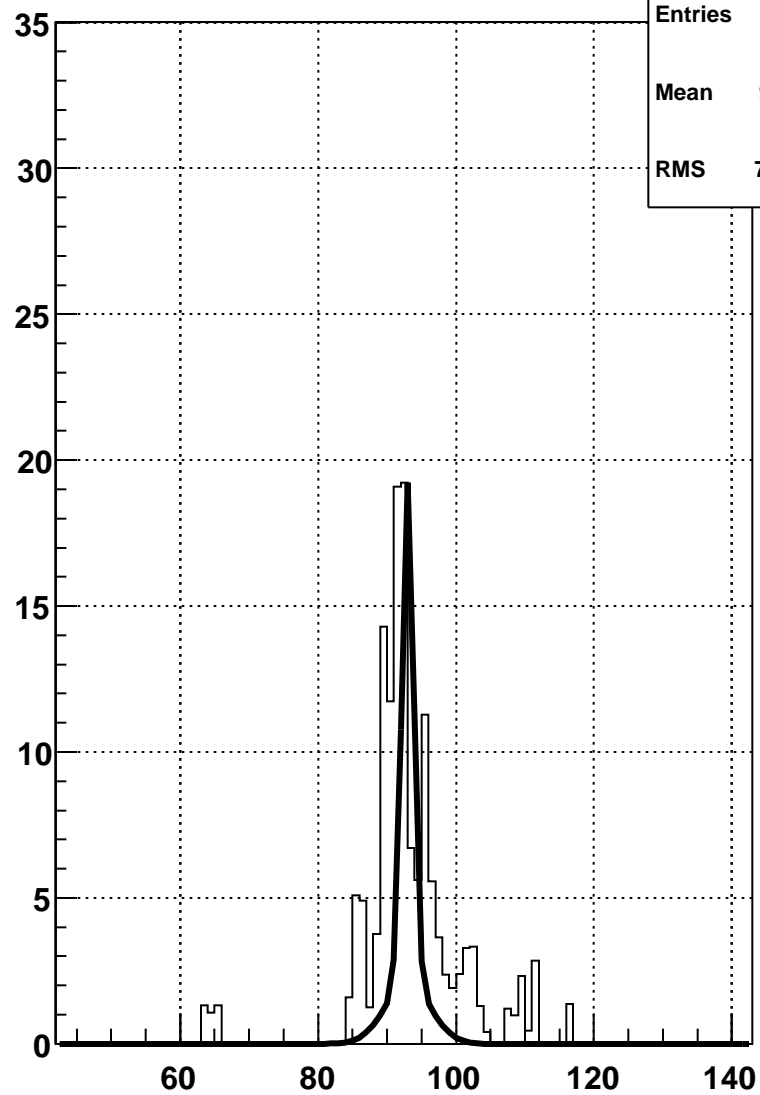
Entries	33
Mean	61.95
RMS	5.616



Run=7099045, Event=40509



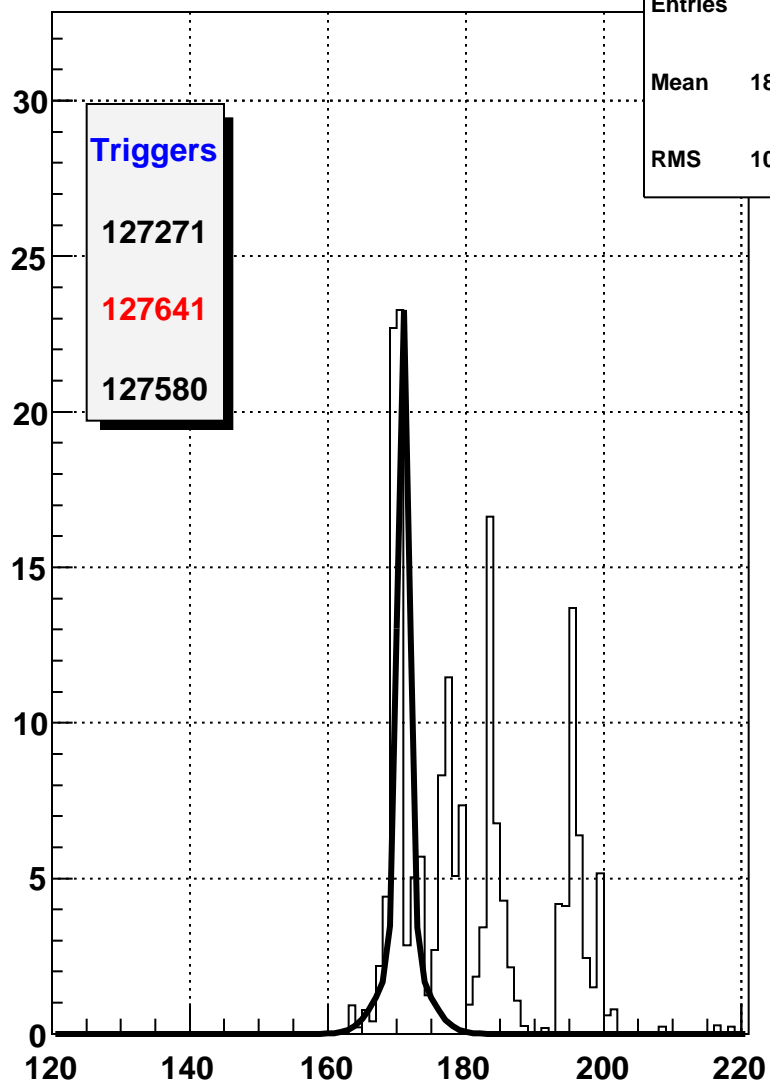
$p_T=7.3$  GeV,  $E=15.7$  GeV



Run=7099045, Event=41490

**hSmdu**

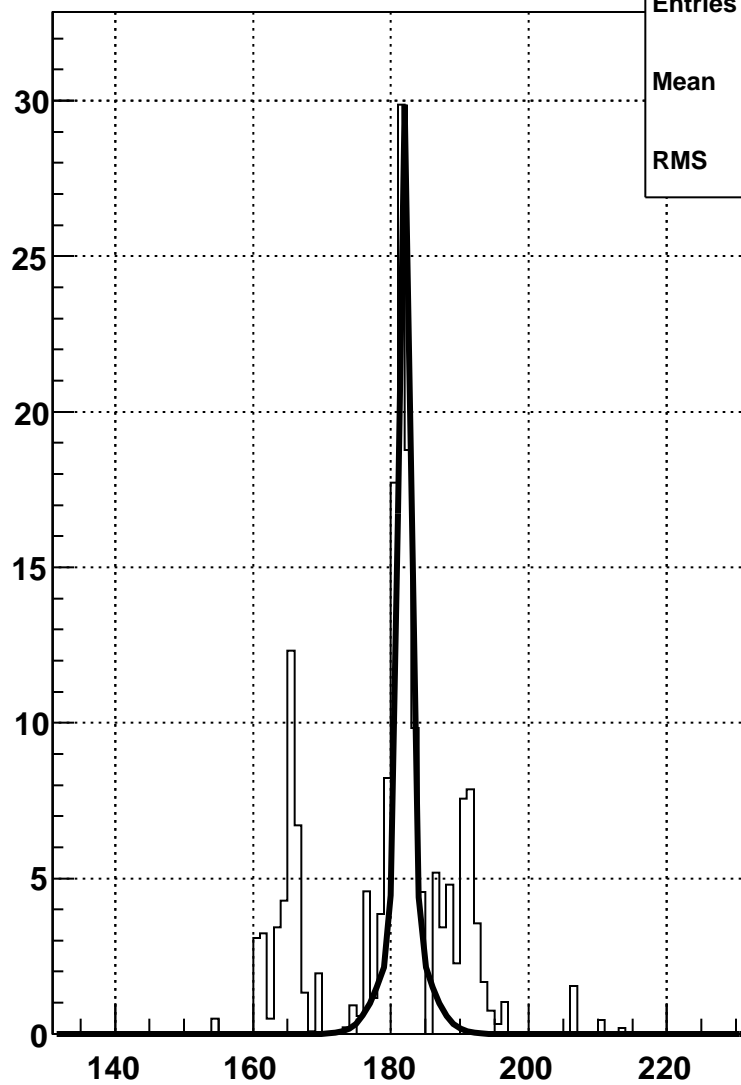
Entries	39
Mean	180.3
RMS	10.26



$p_T=8.0$  GeV,  $E=13.8$  GeV

**hSmdv**

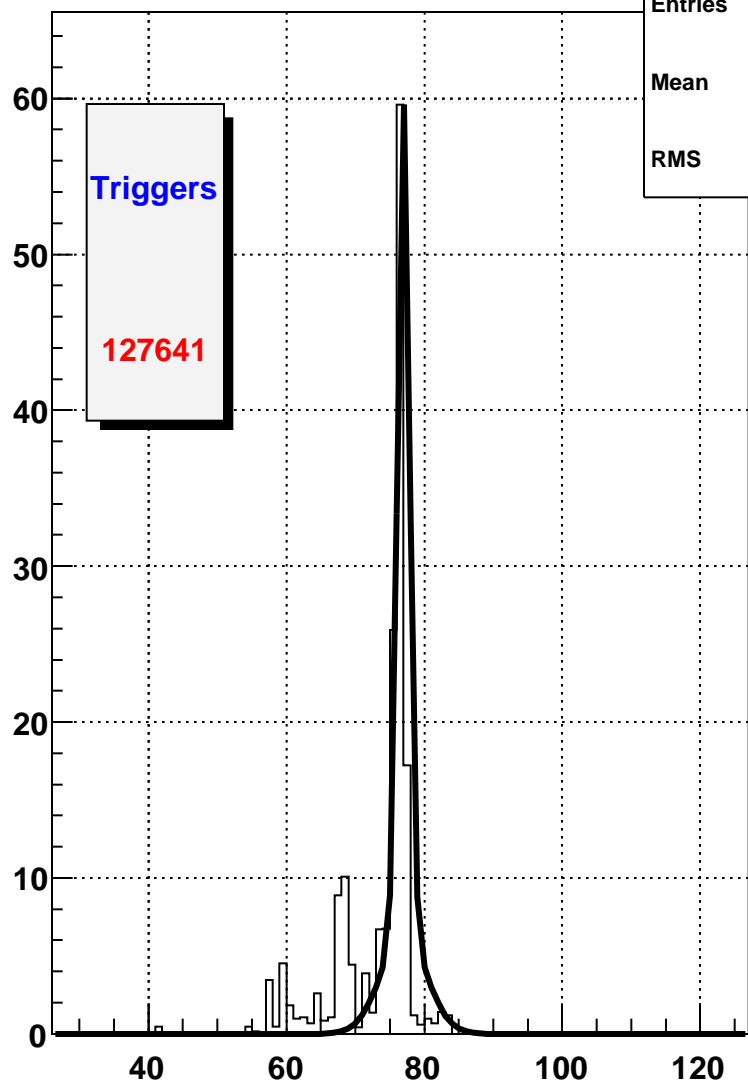
Entries	37
Mean	180
RMS	9.291



Run=7099045, Event=41963

**hSmdu**

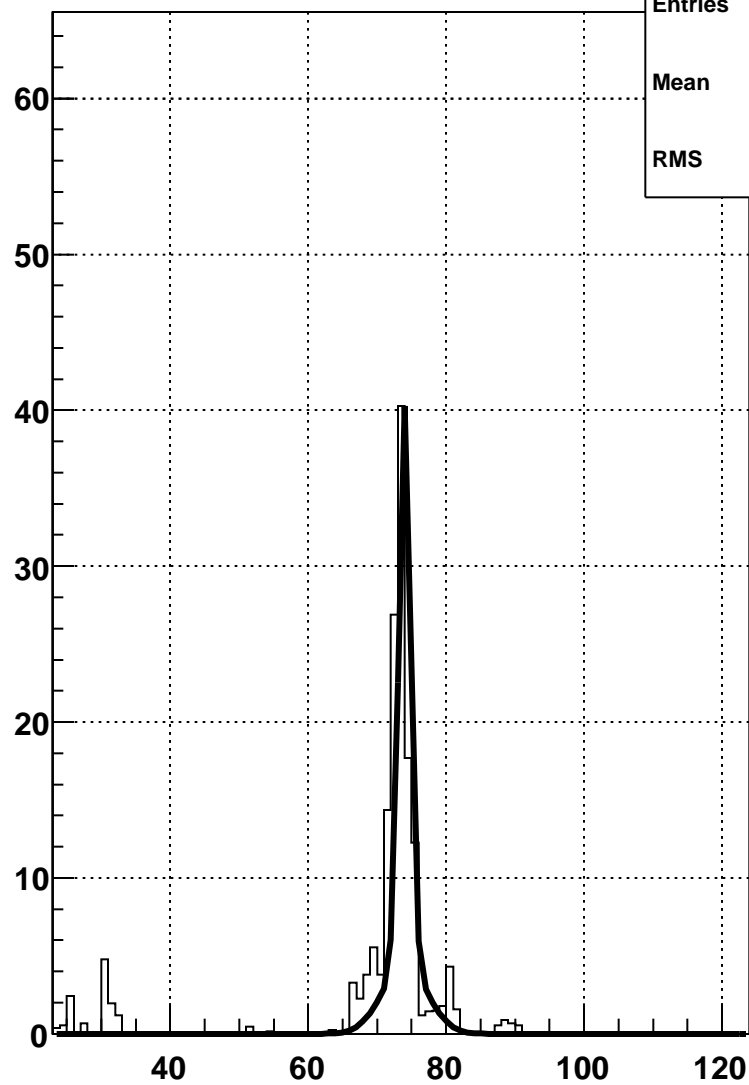
Entries	42
Mean	73.36
RMS	5.688



$p_T=5.9$  GeV,  $E=20.0$  GeV

**hSmdv**

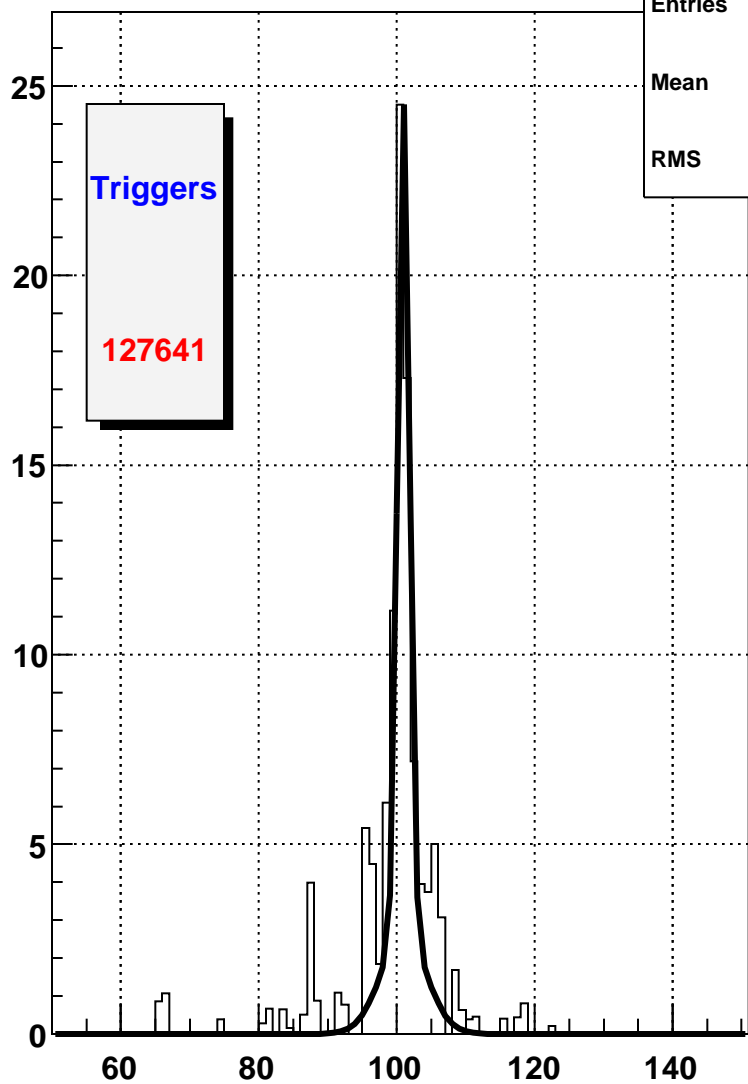
Entries	44
Mean	70.09
RMS	12.29



Run=7099045, Event=84381

**hSmdu**

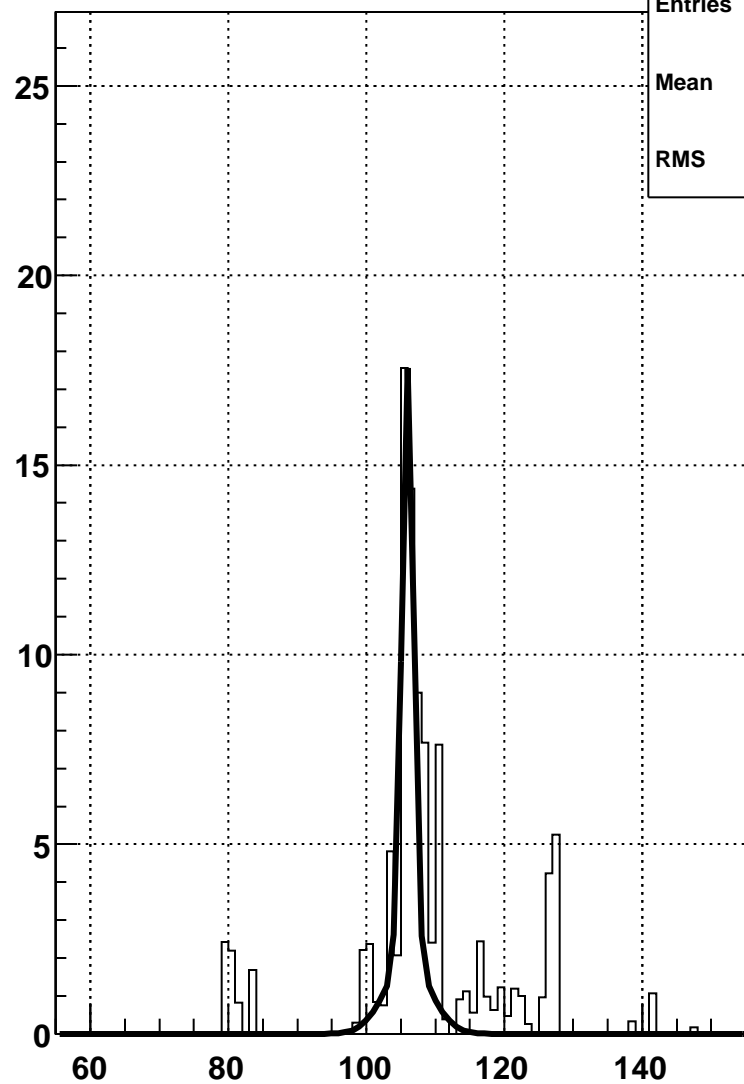
Entries	32
Mean	99.55
RMS	7.08



$p_T=5.3$  GeV,  $E=12.7$  GeV

**hSmdv**

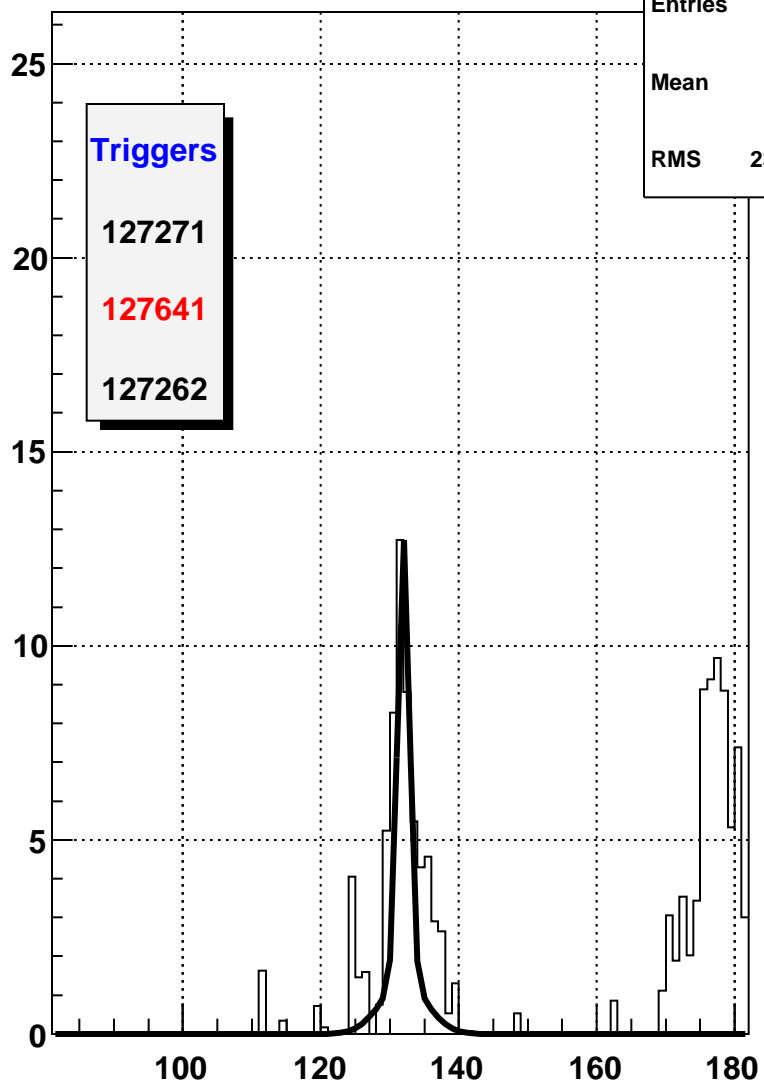
Entries	35
Mean	108.4
RMS	11.09



Run=7099045, Event=84676

**hSmdu**

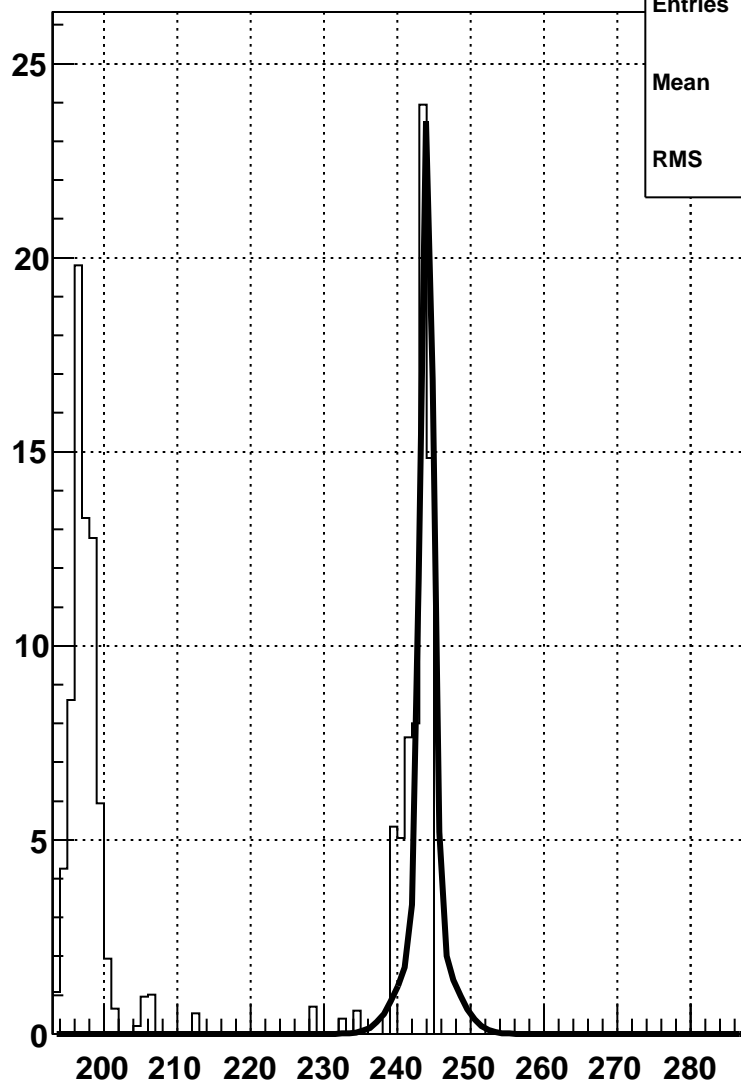
Entries	36
Mean	154
RMS	23.02



$p_T=7.1$  GeV,  $E=15.5$  GeV

**hSmdv**

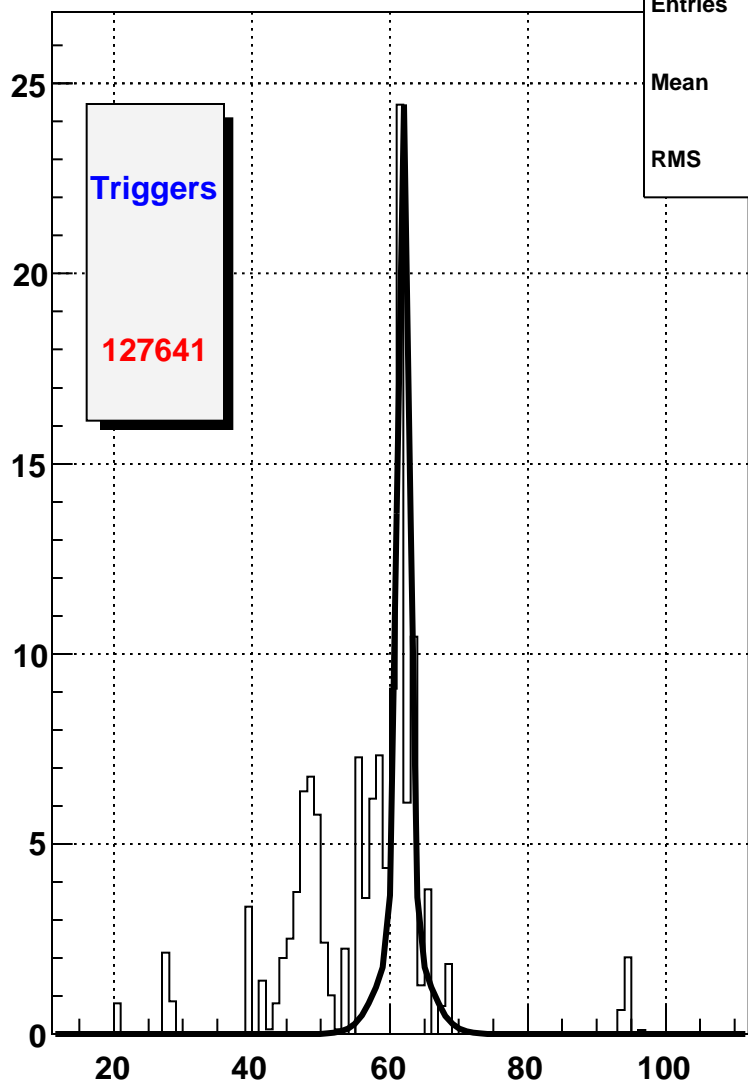
Entries	33
Mean	219.3
RMS	22.59



Run=7099045, Event=85182

**hSmdu**

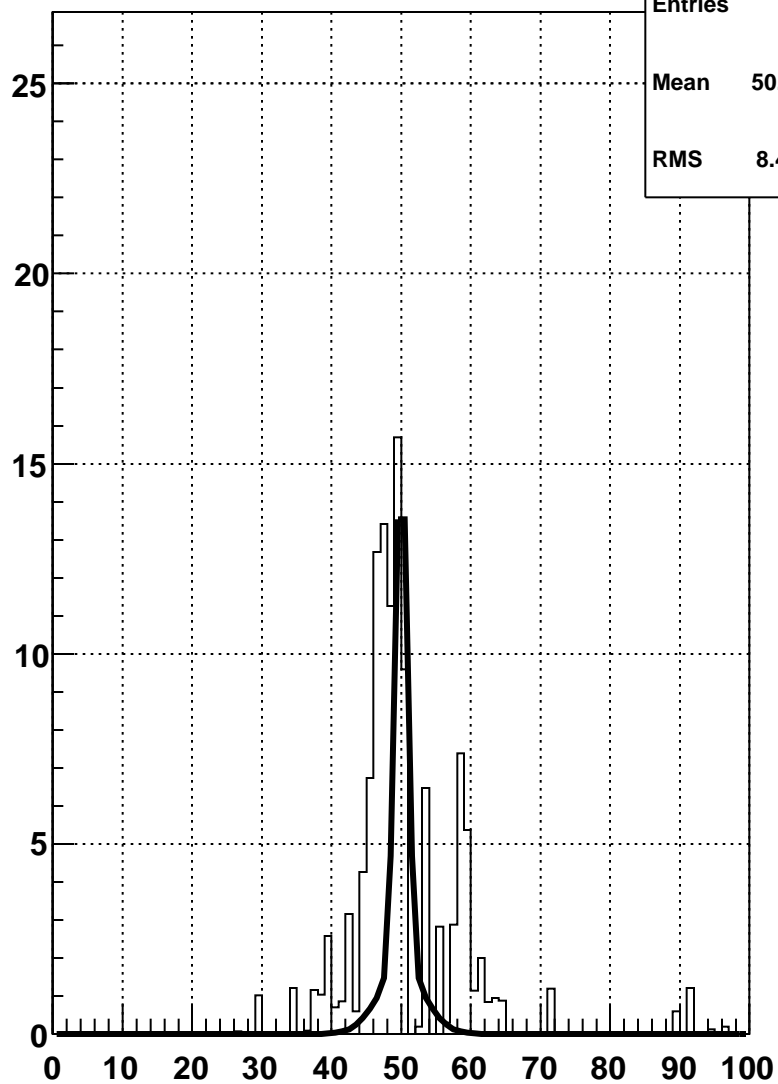
Entries	33
Mean	56.51
RMS	10.14



$p_T=5.6$  GeV,  $E=20.3$  GeV

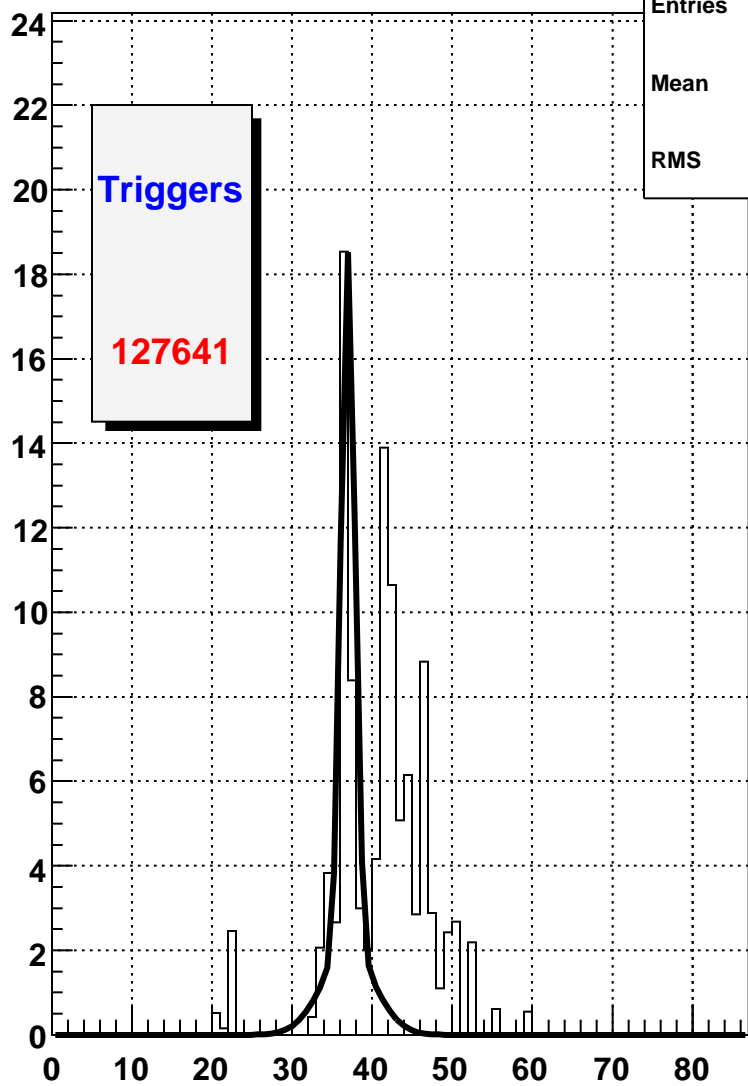
**hSmdv**

Entries	35
Mean	50.59
RMS	8.451





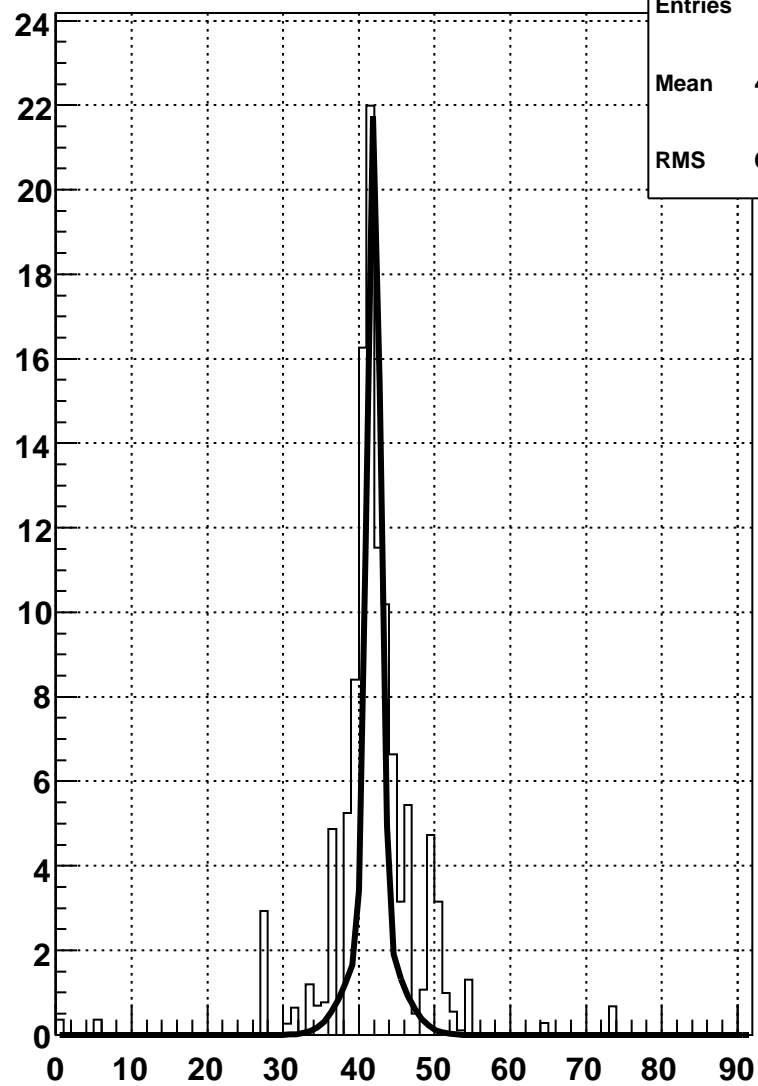
Run=7099045, Event=85206



**hSmdu**

Entries	25
Mean	40.93
RMS	5.831

$p_T=5.2$  GeV,  $E=18.6$  GeV



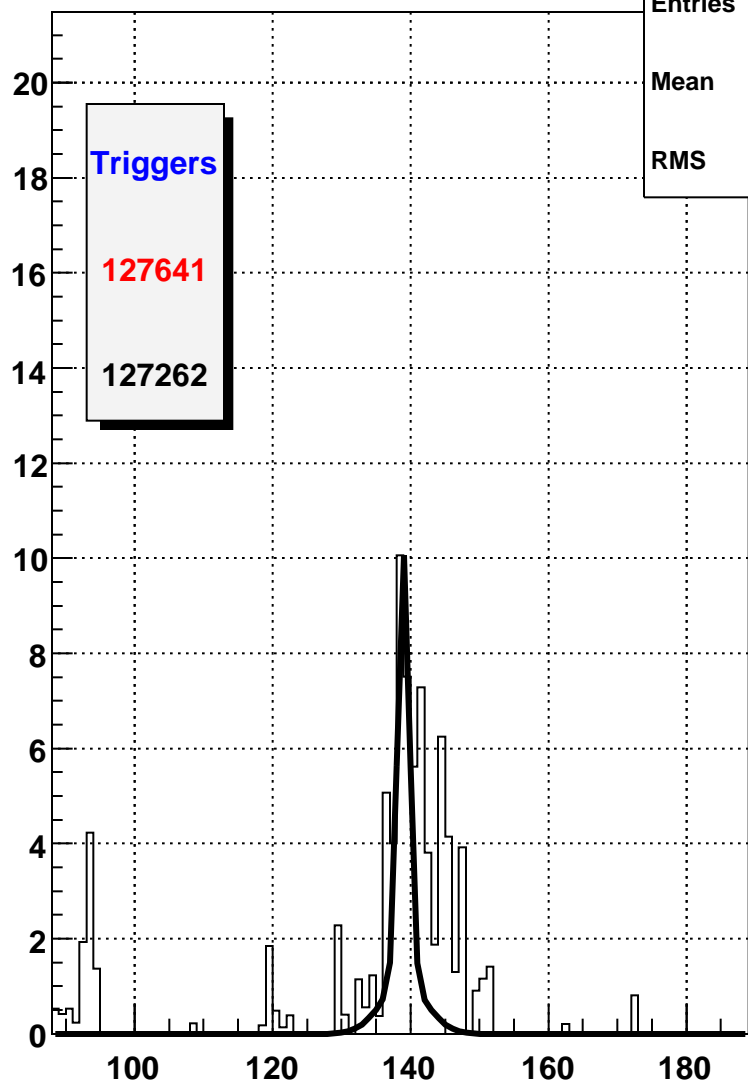
**hSmdv**

Entries	28
Mean	42.03
RMS	6.092

Run=7099045, Event=85840

**hSmdu**

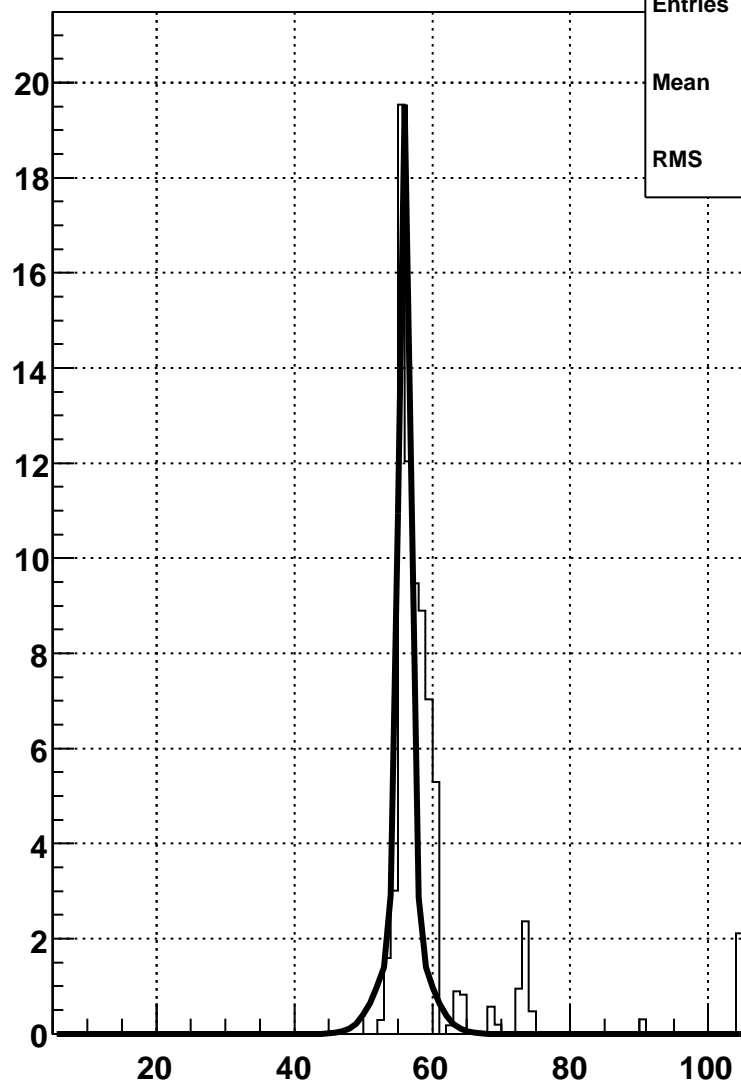
Entries	53
Mean	135.1
RMS	16.4



$p_T=6.3$  GeV,  $E=16.1$  GeV

**hSmdv**

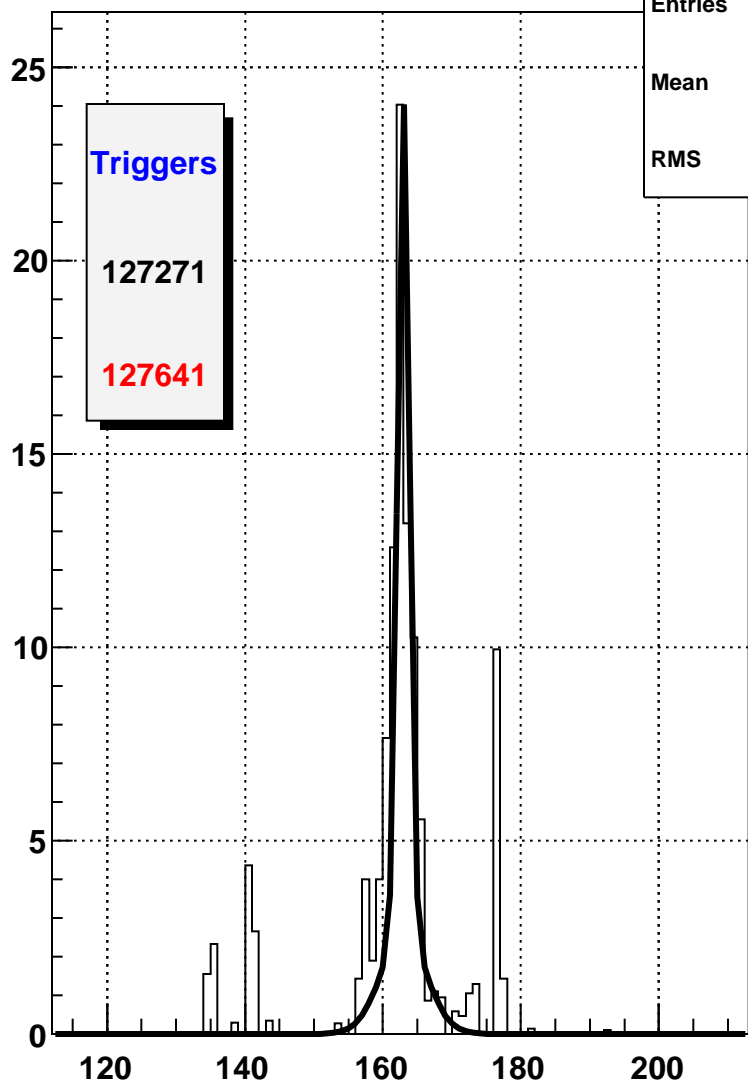
Entries	42
Mean	59.62
RMS	8.903



Run=7099045, Event=85987

**hSmdu**

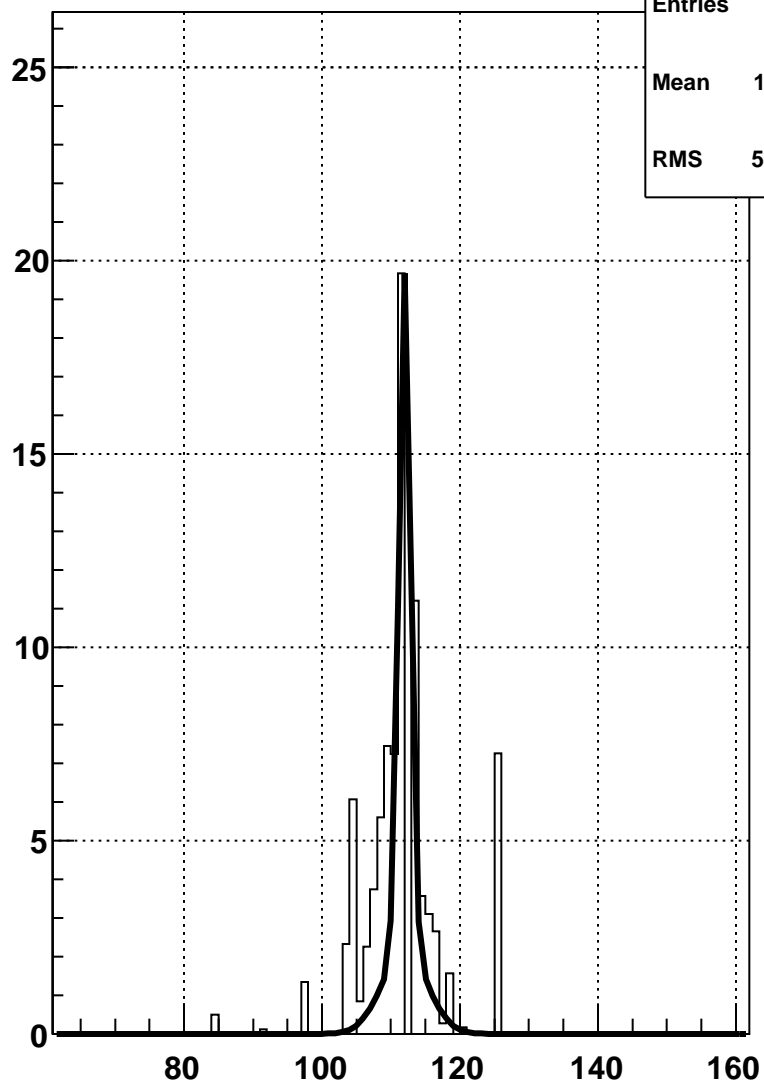
Entries	28
Mean	161.8
RMS	9.177



$p_T=5.0$  GeV,  $E=11.6$  GeV

**hSmdv**

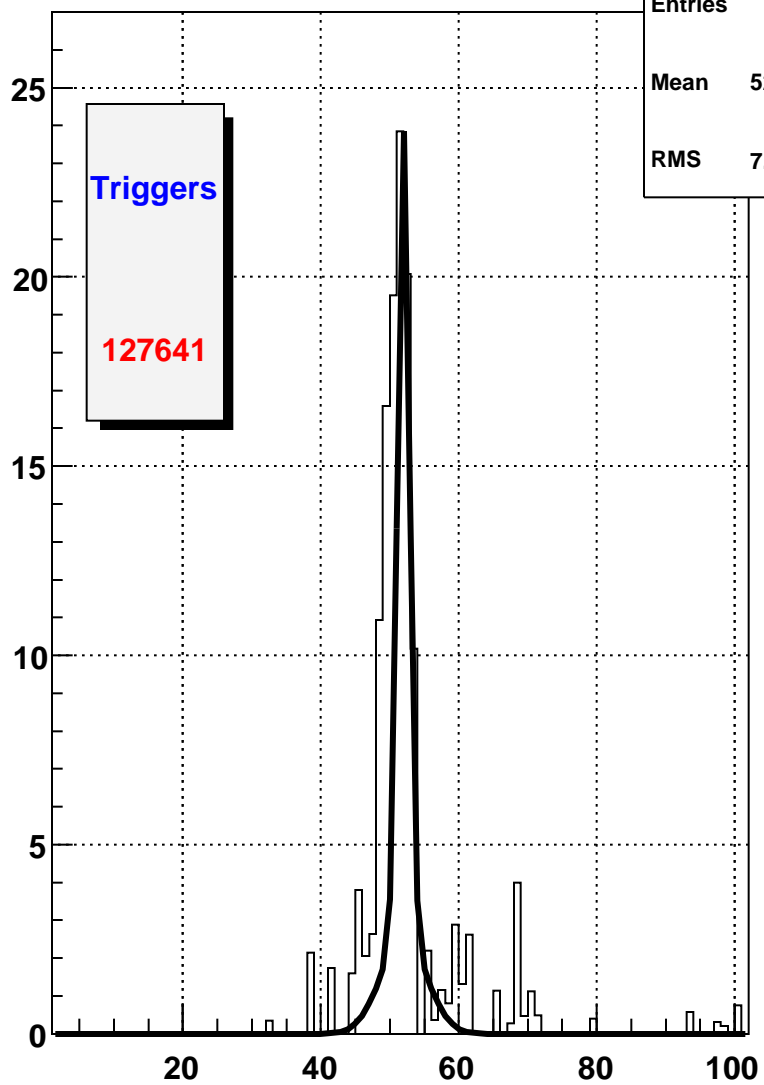
Entries	20
Mean	111.6
RMS	5.932



Run=7099045, Event=86680

**hSmdu**

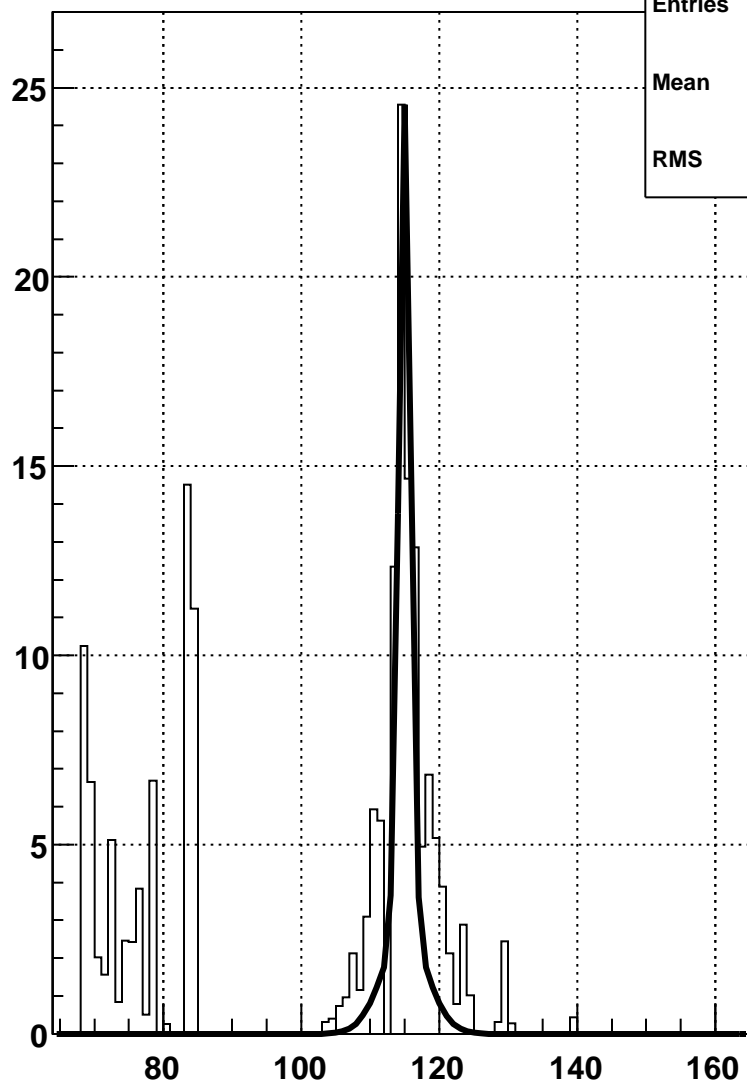
Entries	31
Mean	52.64
RMS	7.722



$p_T=5.2$  GeV,  $E=13.8$  GeV

**hSmdv**

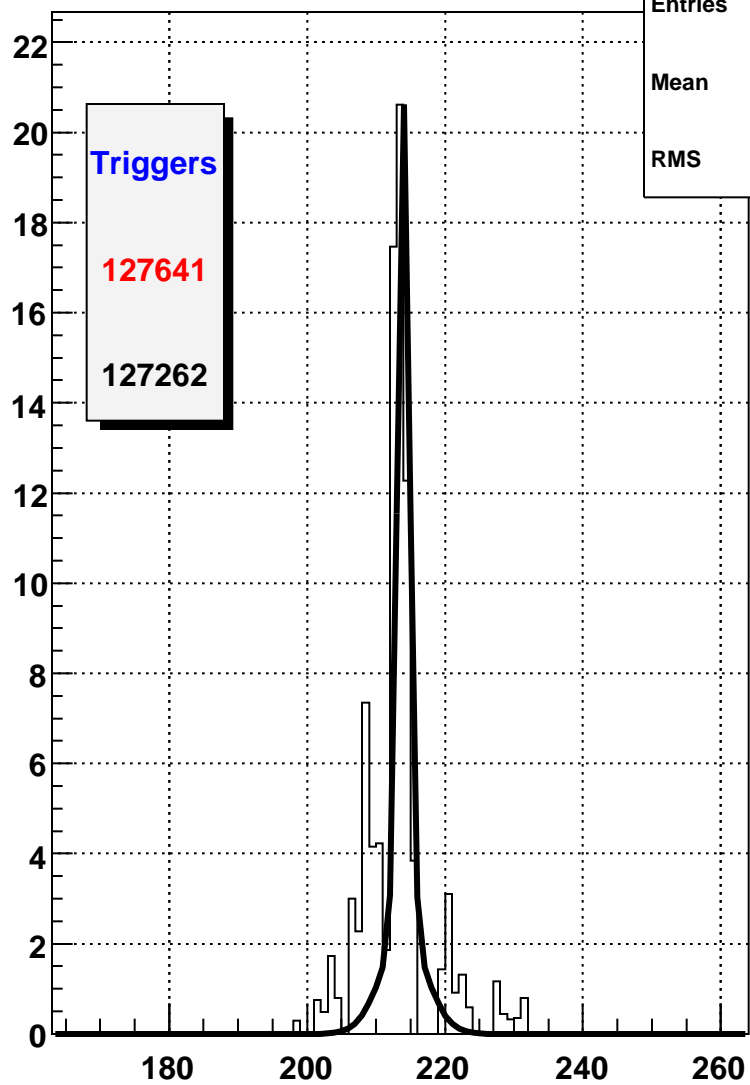
Entries	39
Mean	101.3
RMS	19.43



Run=7099045, Event=86939

**hSmdu**

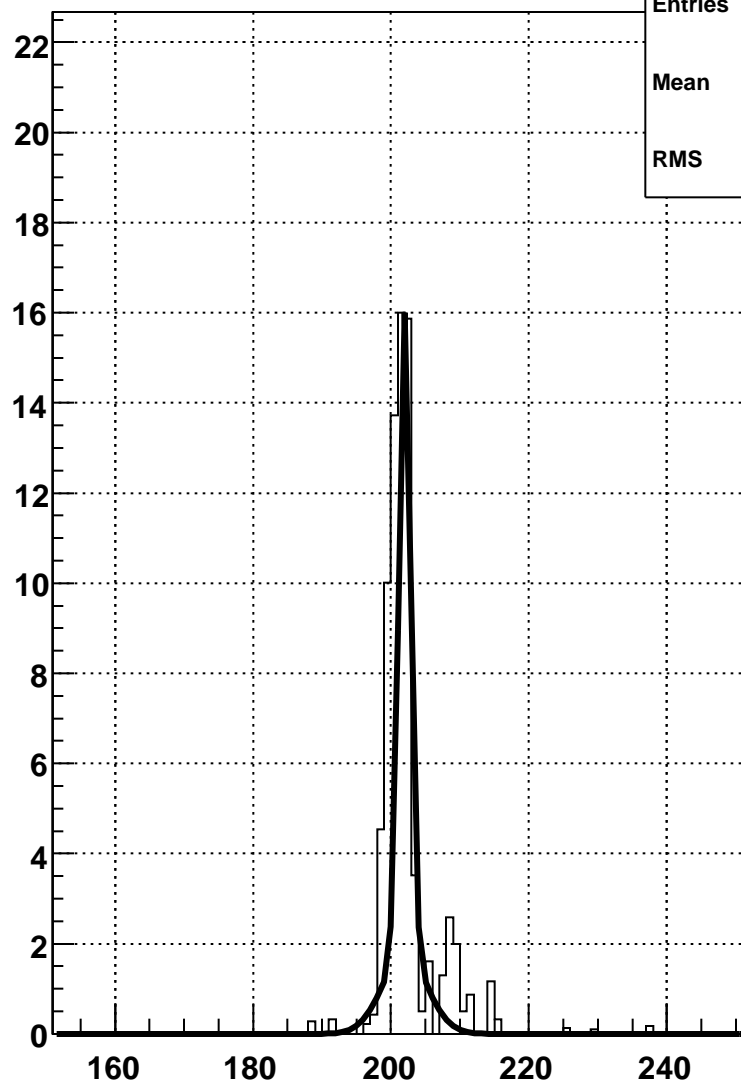
Entries	25
Mean	213
RMS	4.919



$p_T=5.4$  GeV,  $E=9.5$  GeV

**hSmdv**

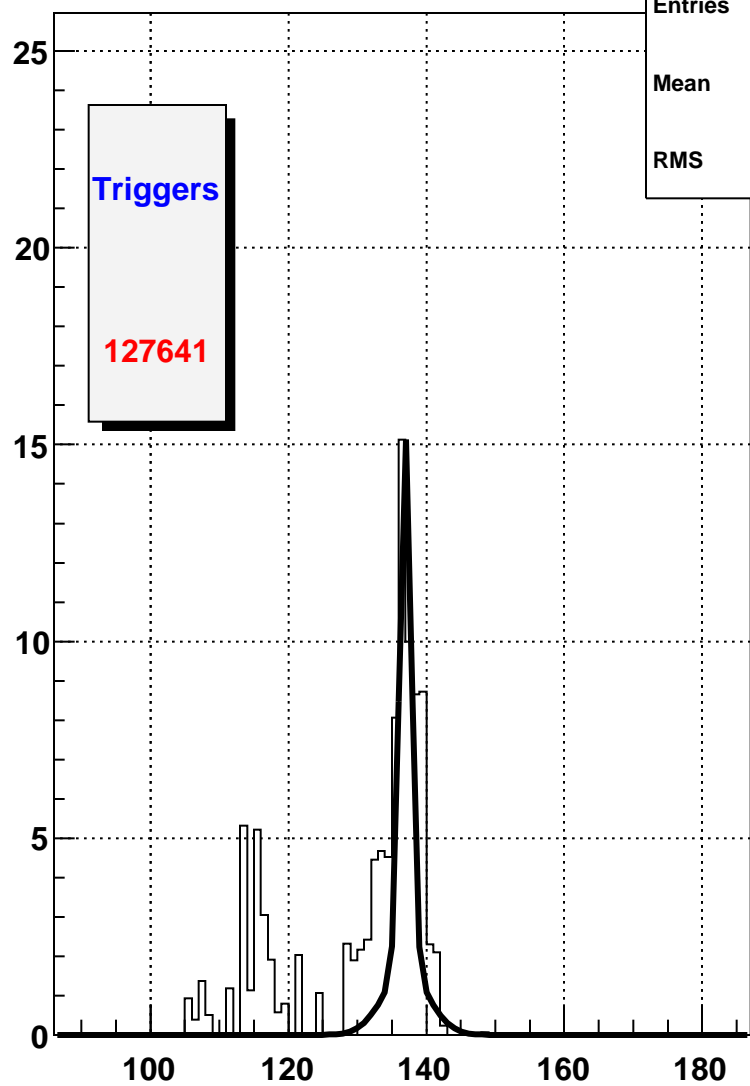
Entries	23
Mean	202.3
RMS	4.184



Run=7099034, Event=5403

**hSmdu**

Entries	30
Mean	130.9
RMS	9.683



$p_T=5.9$  GeV,  $E=11.4$  GeV

**hSmdv**

Entries	23
Mean	98.54
RMS	3.749

