

leTrg

LE Time (ns)

4000
3500
3000
2500
2000
1500
1000
500
0

0

20

40

60

80

100

Tray #

120

leTrg	
Entries	750963
Mean x	67.85
Mean y	1017
RMS x	38.82
RMS y	486.4

100

800

600

400

200

0

Thu Apr 13 14:03:43 2017

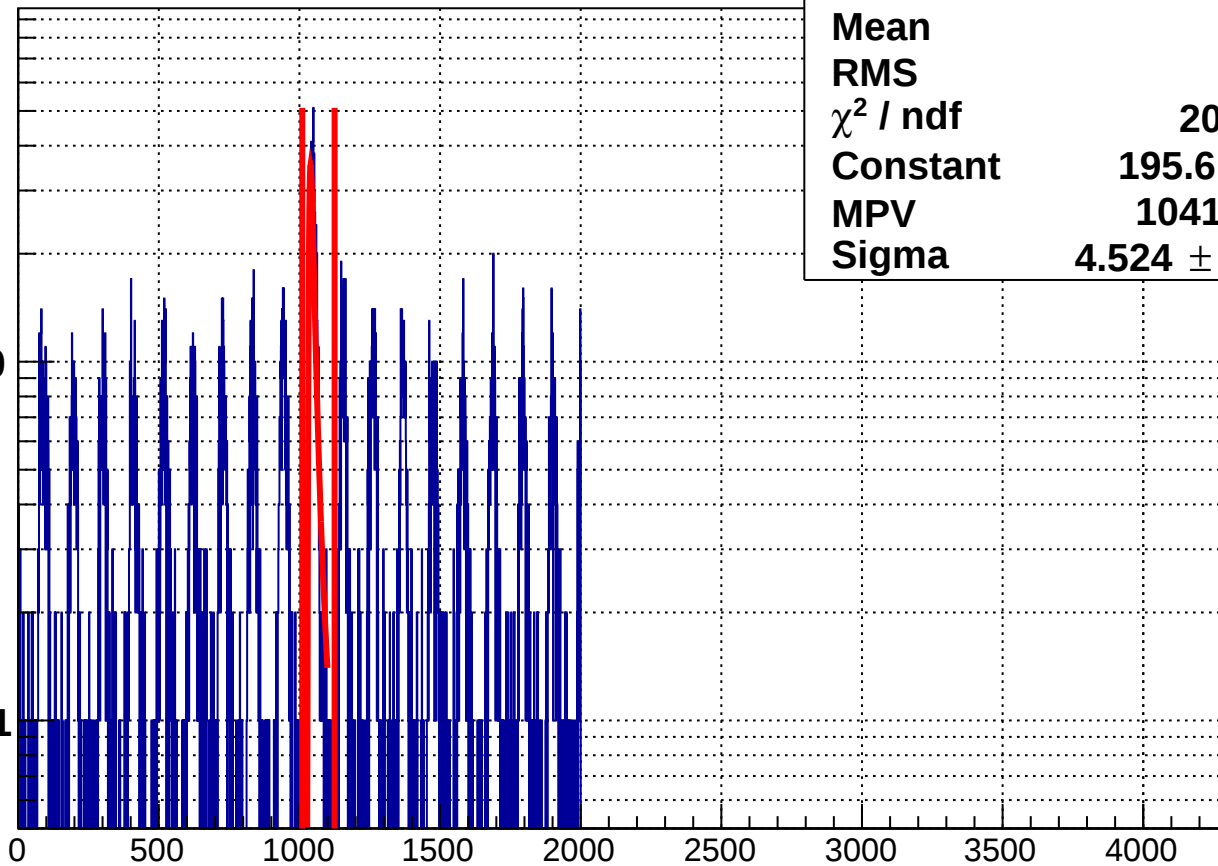
Run# 18103016

tray_le_1

count

10

1



Entries	5650
Mean	1012
RMS	513.2
χ^2 / ndf	208 / 67
Constant	195.6 ± 9.9
MPV	1041 ± 0.4
Sigma	4.524 ± 0.184

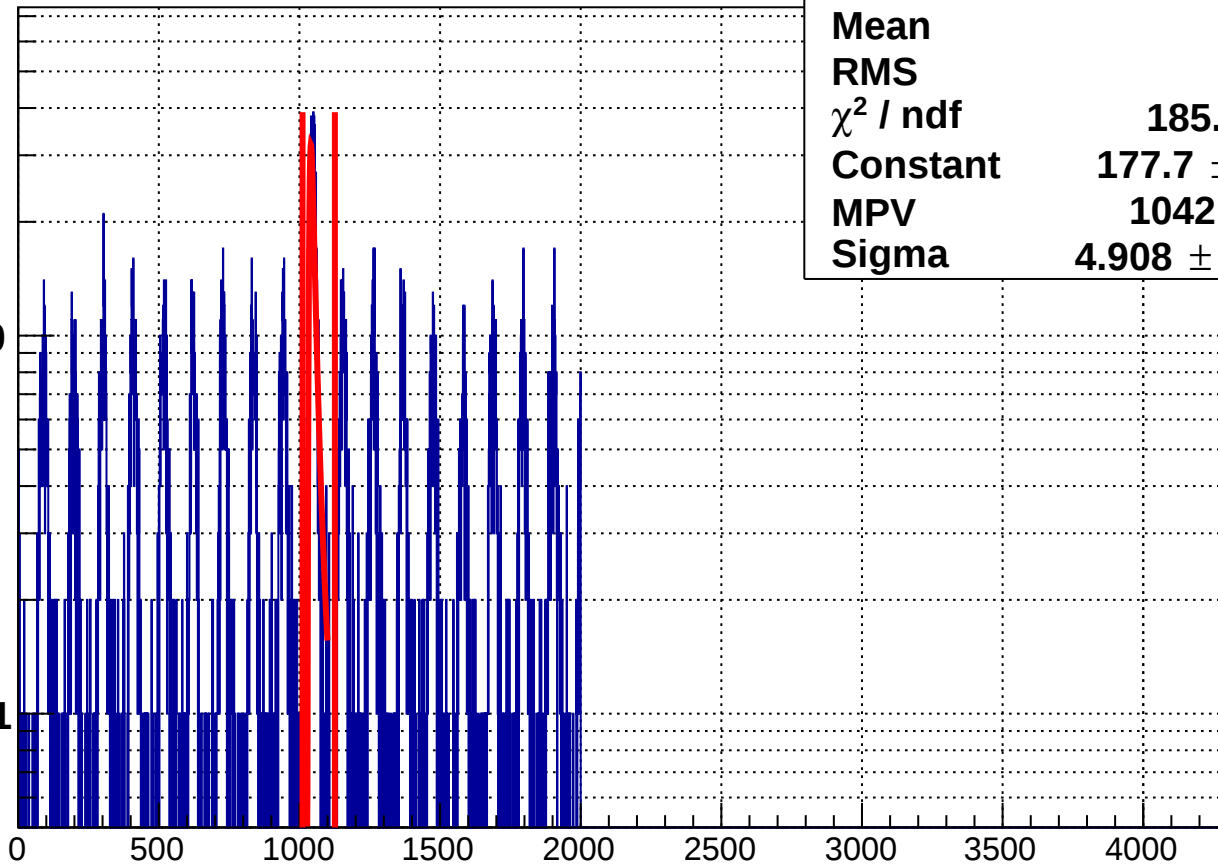
Run# 18103016

tray_le_2

count

10

1



tray_le_2	
Entries	5649
Mean	1002
RMS	522
χ^2 / ndf	185.4 / 66
Constant	177.7 ± 10.7
MPV	1042 ± 0.5
Sigma	4.908 ± 0.273

LE time (ns)

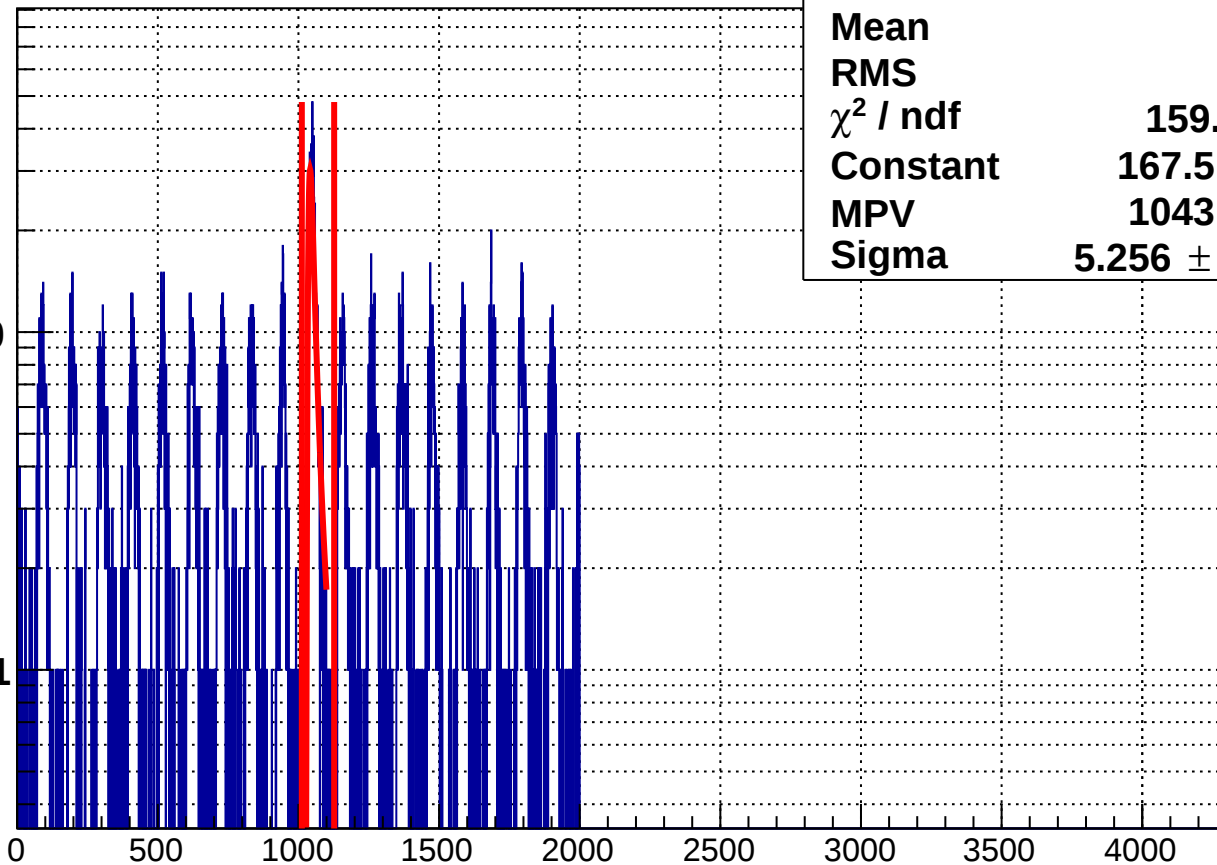
Run# 18103016

tray_le_3

count

10

1



Entries	5560
Mean	1003
RMS	524.7
χ^2 / ndf	159.3 / 70
Constant	167.5 ± 8.8
MPV	1043 ± 0.4
Sigma	5.256 ± 0.235

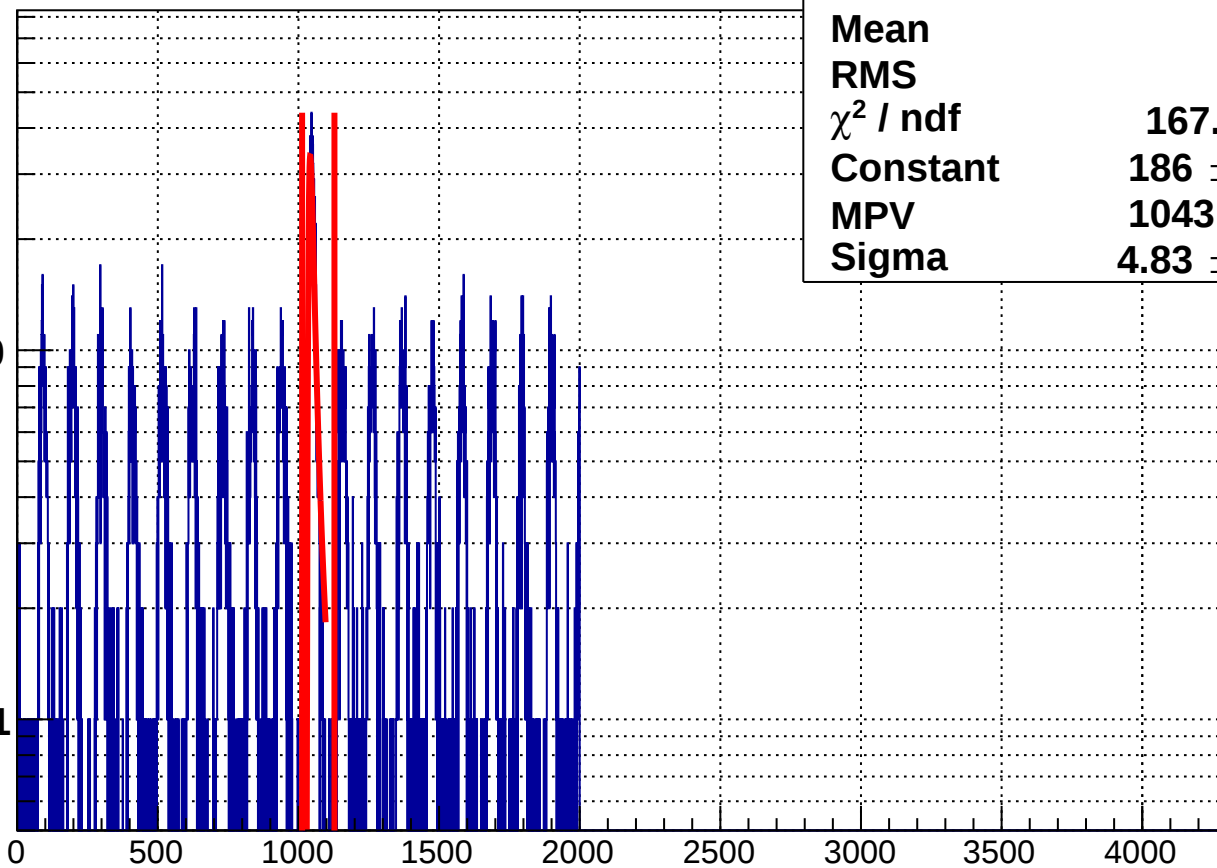
LE time (ns)

Run# 18103016

count

10

1



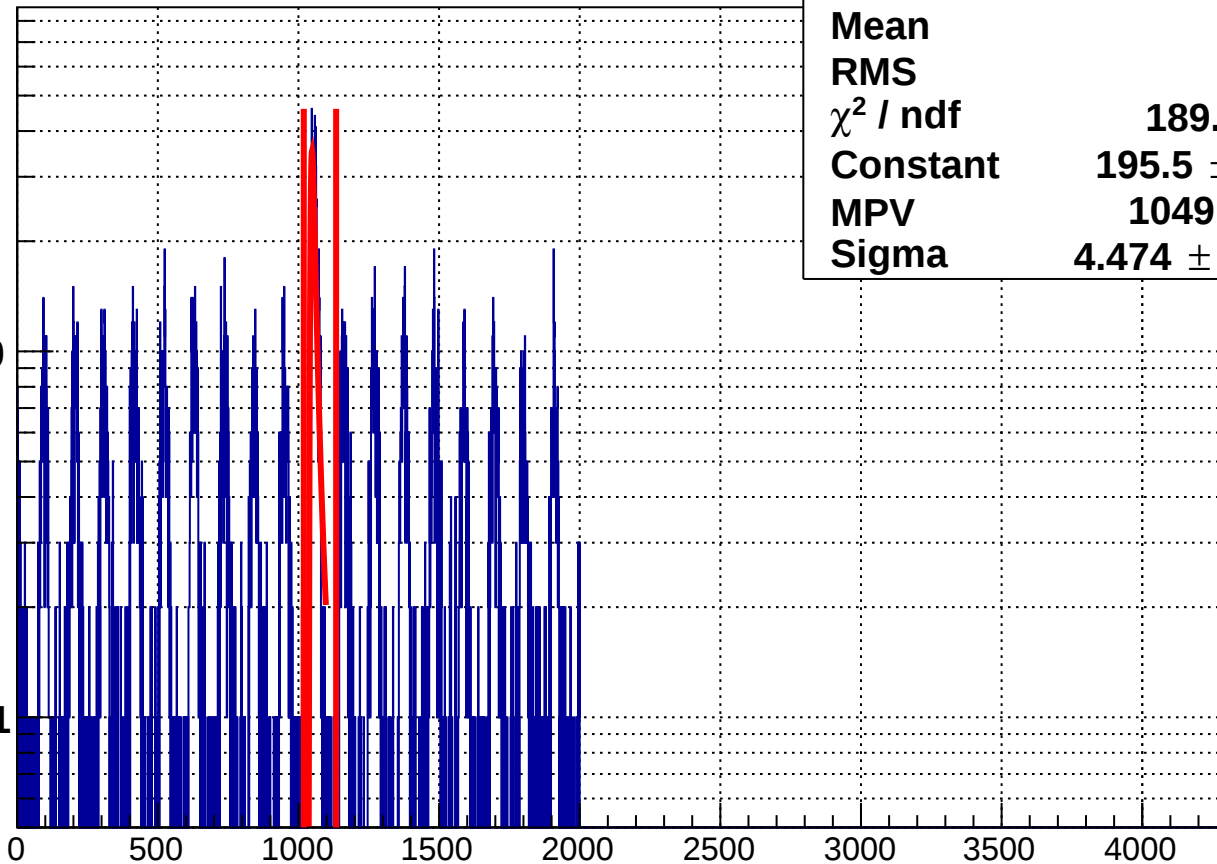
LE time (ns)

Run# 18103016

count

10

1



tray_le_5

Entries	5615
Mean	986
RMS	519.8
χ^2 / ndf	189.5 / 66
Constant	195.5 ± 10.2
MPV	1049 ± 0.4
Sigma	4.474 ± 0.200

Run# 18103016

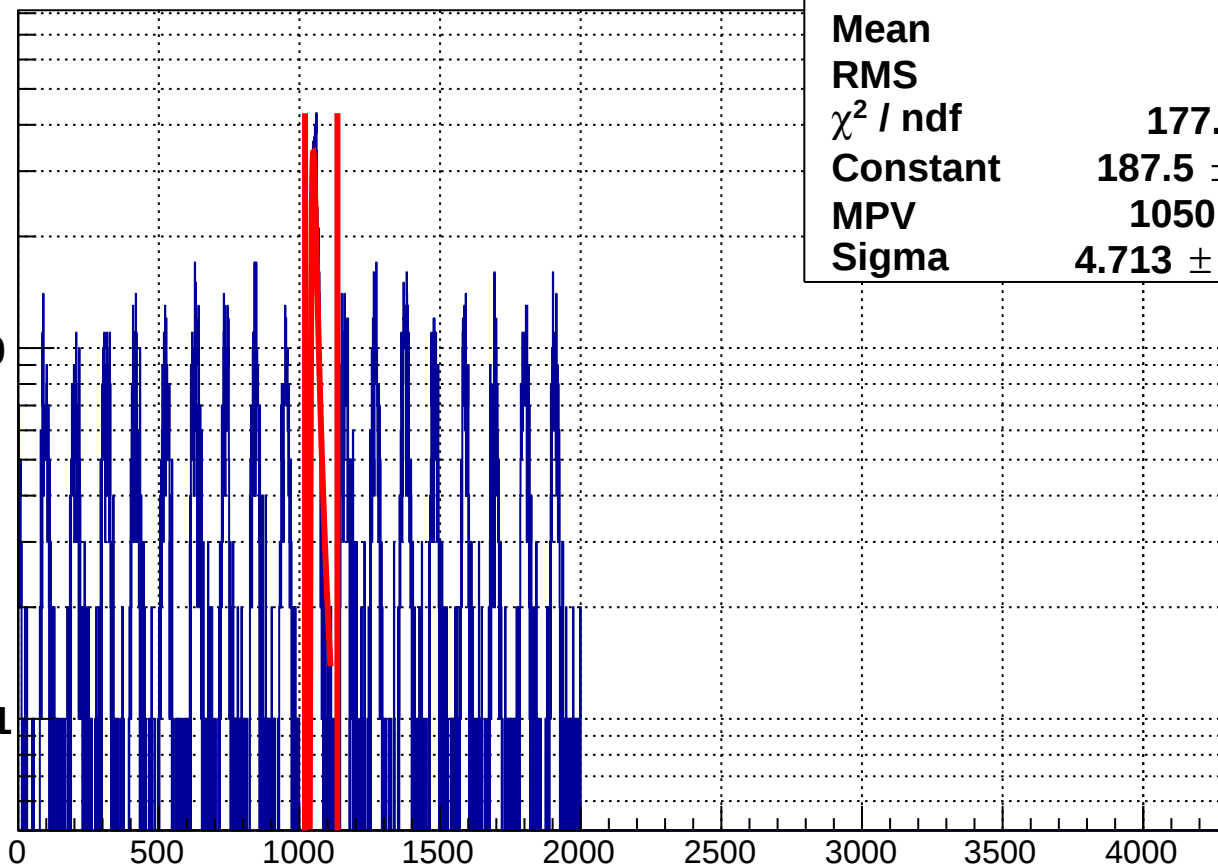
tray_le_6

count

10

1

Entries	5648
Mean	1016
RMS	512.2
χ^2 / ndf	177.9 / 67
Constant	187.5 ± 10.0
MPV	1050 ± 0.4
Sigma	4.713 ± 0.214



LE time (ns)

Run# 18103016

count

10^2

10

1

0

500

1000

1500

2000

2500

3000

3500

4000

LE time (ns)

tray_le_7

Entries

5668

Mean

1027

RMS

517.3

χ^2 / ndf

179 / 64

Constant

198.5 ± 12.1

MPV

1050 ± 0.5

Sigma

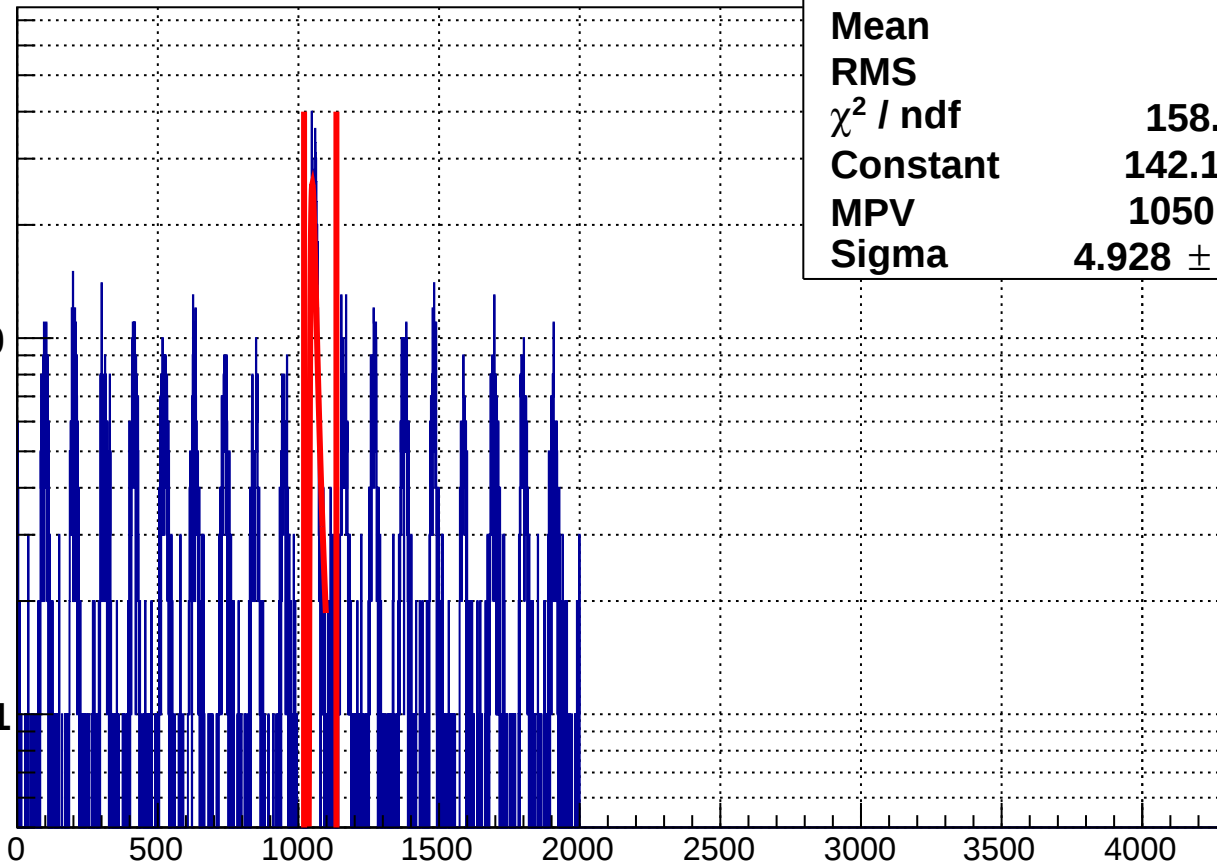
4.548 ± 0.260

Run# 18103016

count

10

1



tray_le_8

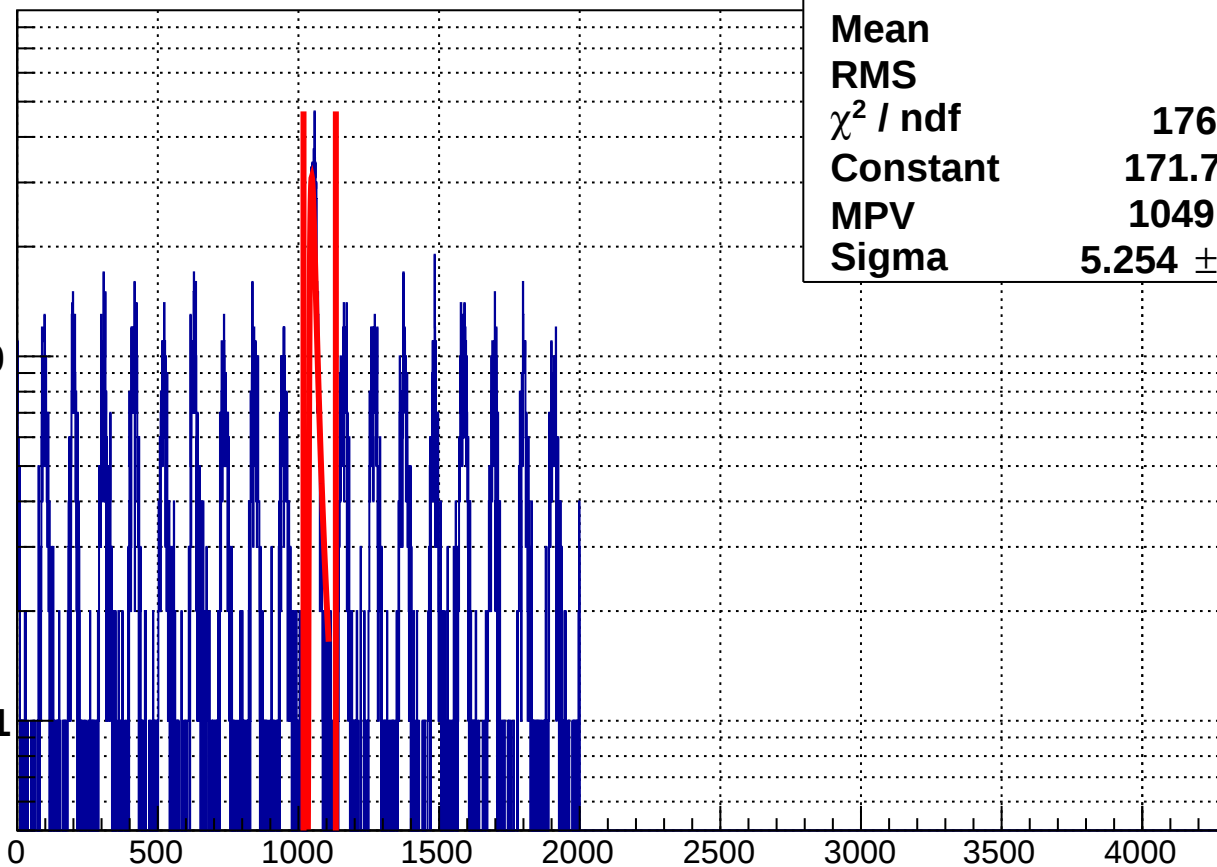
Entries	4181
Mean	1002
RMS	521.9
χ^2 / ndf	158.8 / 63
Constant	142.1 ± 8.5
MPV	1050 ± 0.5
Sigma	4.928 ± 0.258

Run# 18103016

count

10

1



tray_le_9

Entries	5731
Mean	1007
RMS	522
χ^2 / ndf	176.3 / 71
Constant	171.7 ± 9.1
MPV	1049 ± 0.4
Sigma	5.254 ± 0.241

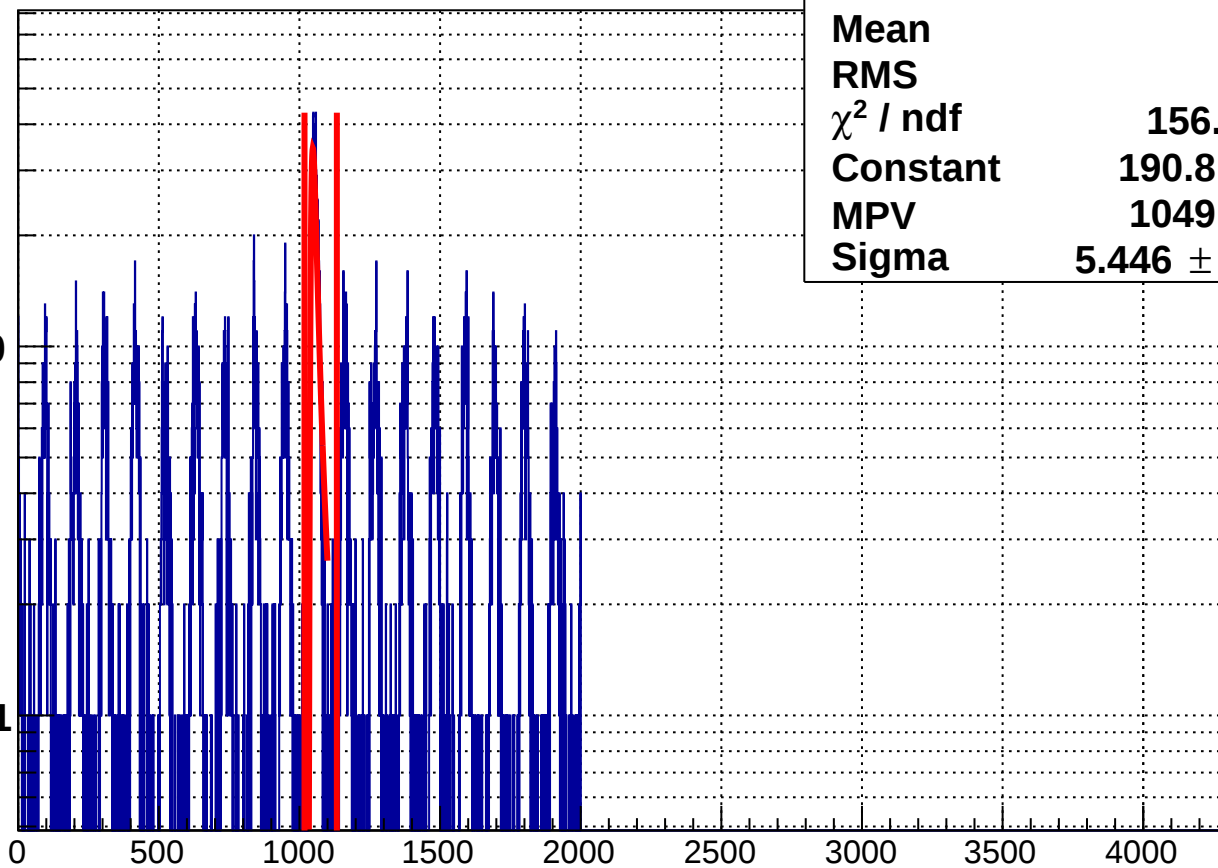
LE time (ns)

Run# 18103016

count

10

1



tray_le_10

Entries	5526
Mean	993.6
RMS	506.4
χ^2 / ndf	156.5 / 68
Constant	190.8 ± 9.0
MPV	1049 ± 0.4
Sigma	5.446 ± 0.222

LE time (ns)

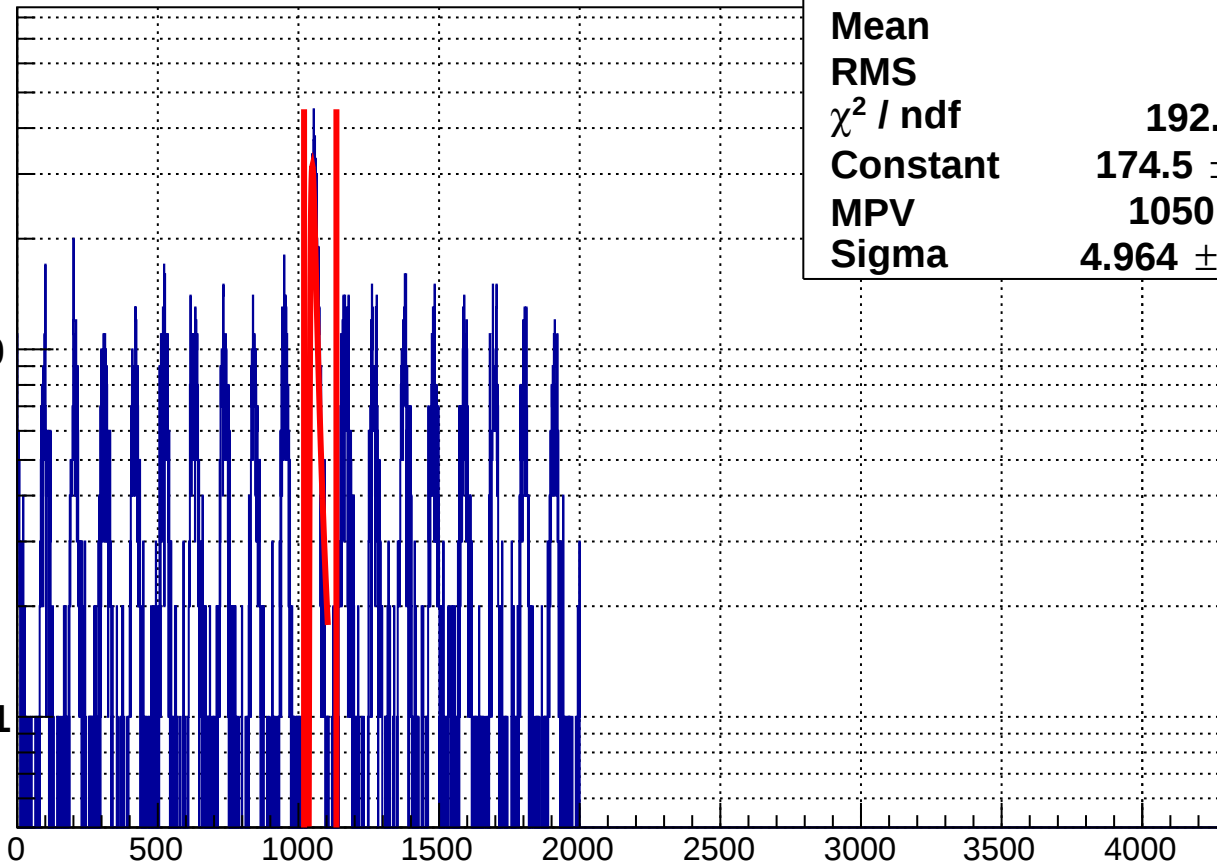
Run# 18103016

tray_le_11

count

10

1



Entries	5578
Mean	1003
RMS	512.6
χ^2 / ndf	192.1 / 69
Constant	174.5 ± 10.6
MPV	1050 ± 0.5
Sigma	4.964 ± 0.281

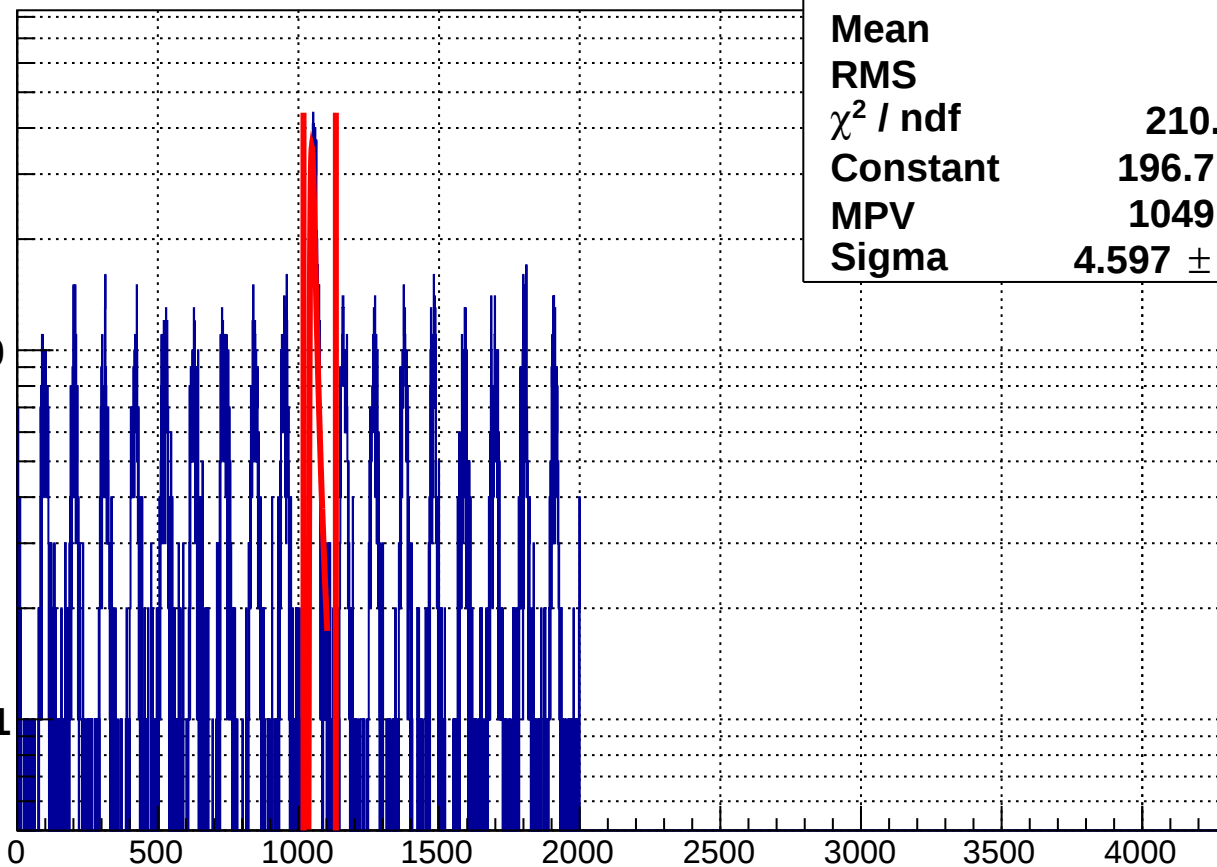
LE time (ns)

Run# 18103016

count

10

1



tray_le_12

Entries	5618
Mean	1004
RMS	509.3
χ^2 / ndf	210.9 / 69
Constant	196.7 ± 9.4
MPV	1049 ± 0.4
Sigma	4.597 ± 0.172

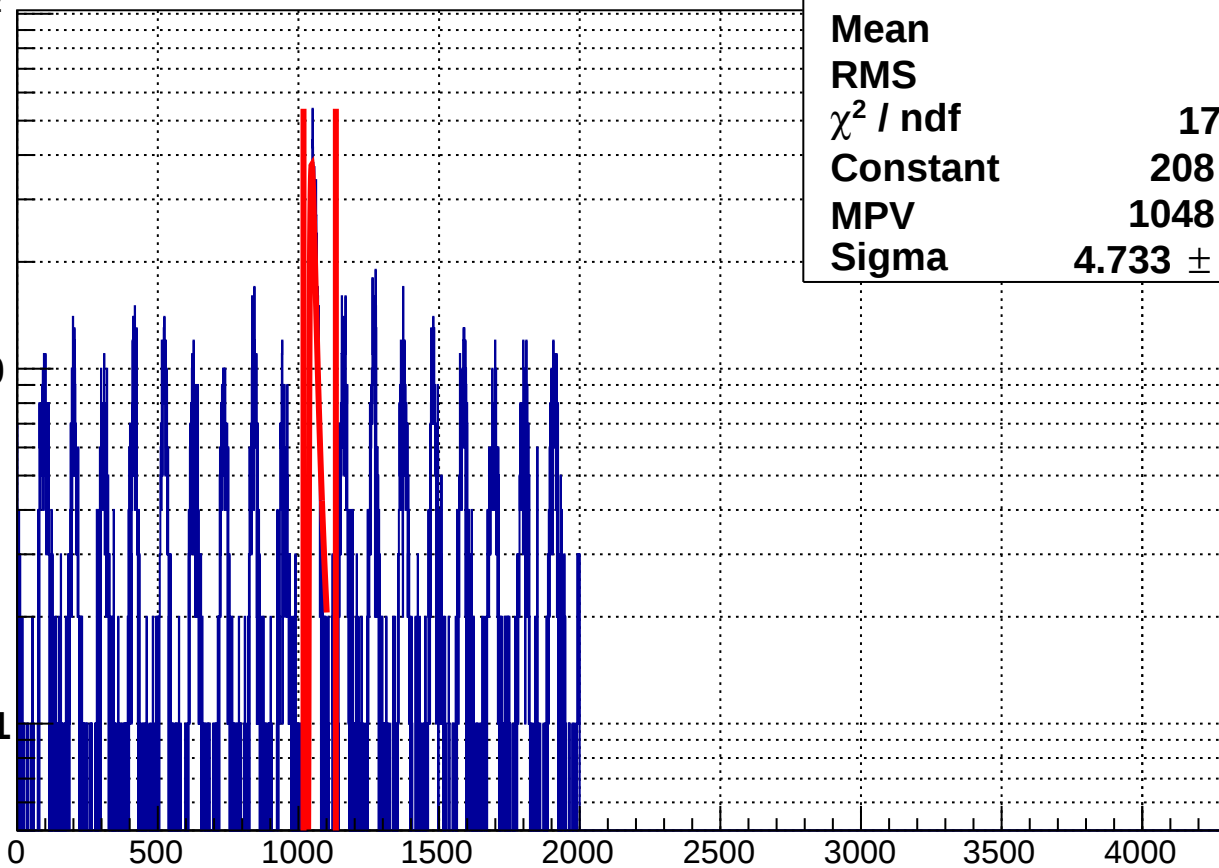
Run# 18103016

count

10^2

10

1



tray_le_13

Entries	5567
Mean	1021
RMS	518.1
χ^2 / ndf	173 / 70
Constant	208 ± 9.9
MPV	1048 ± 0.4
Sigma	4.733 ± 0.186

LE time (ns)

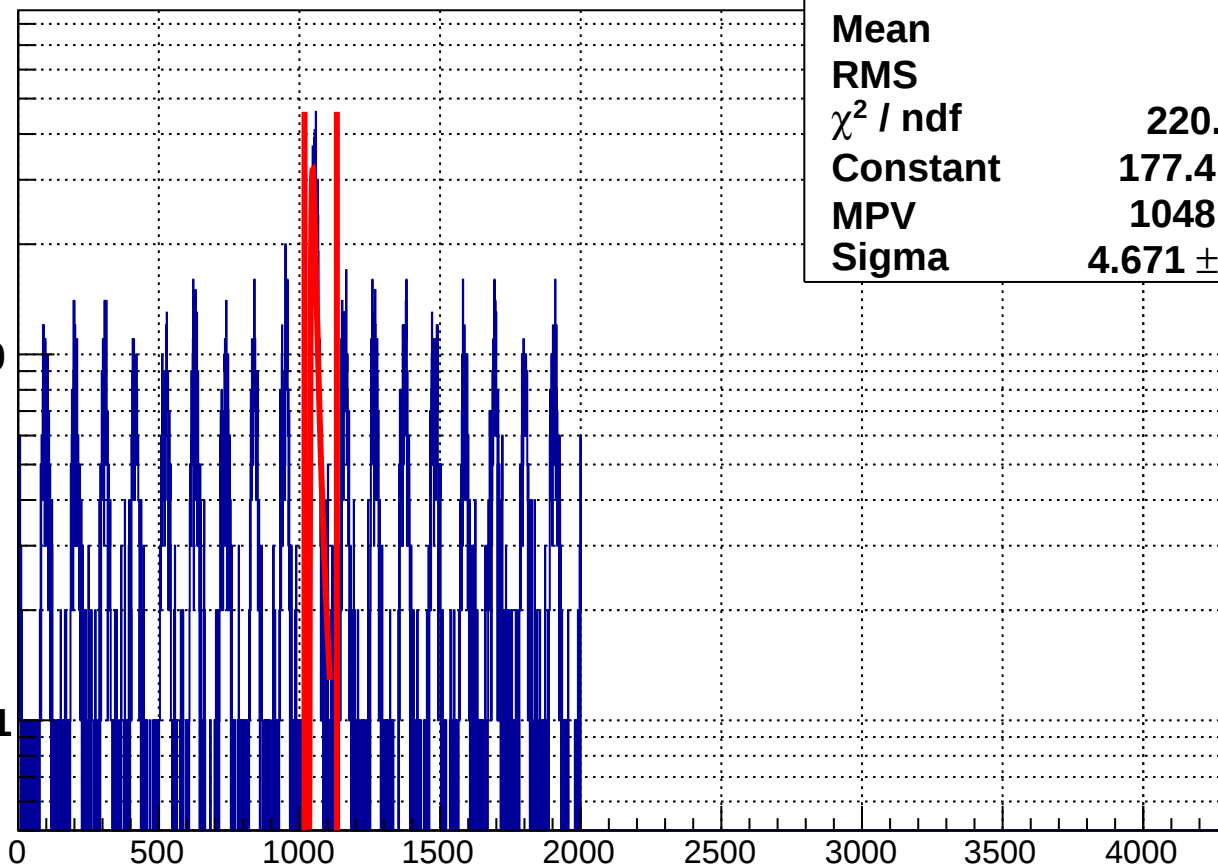
Run# 18103016

tray_le_14

count

10

1



Entries	5627
Mean	1027
RMS	517.1
χ^2 / ndf	220.4 / 72
Constant	177.4 ± 9.5
MPV	1048 ± 0.5
Sigma	4.671 ± 0.211

LE time (ns)

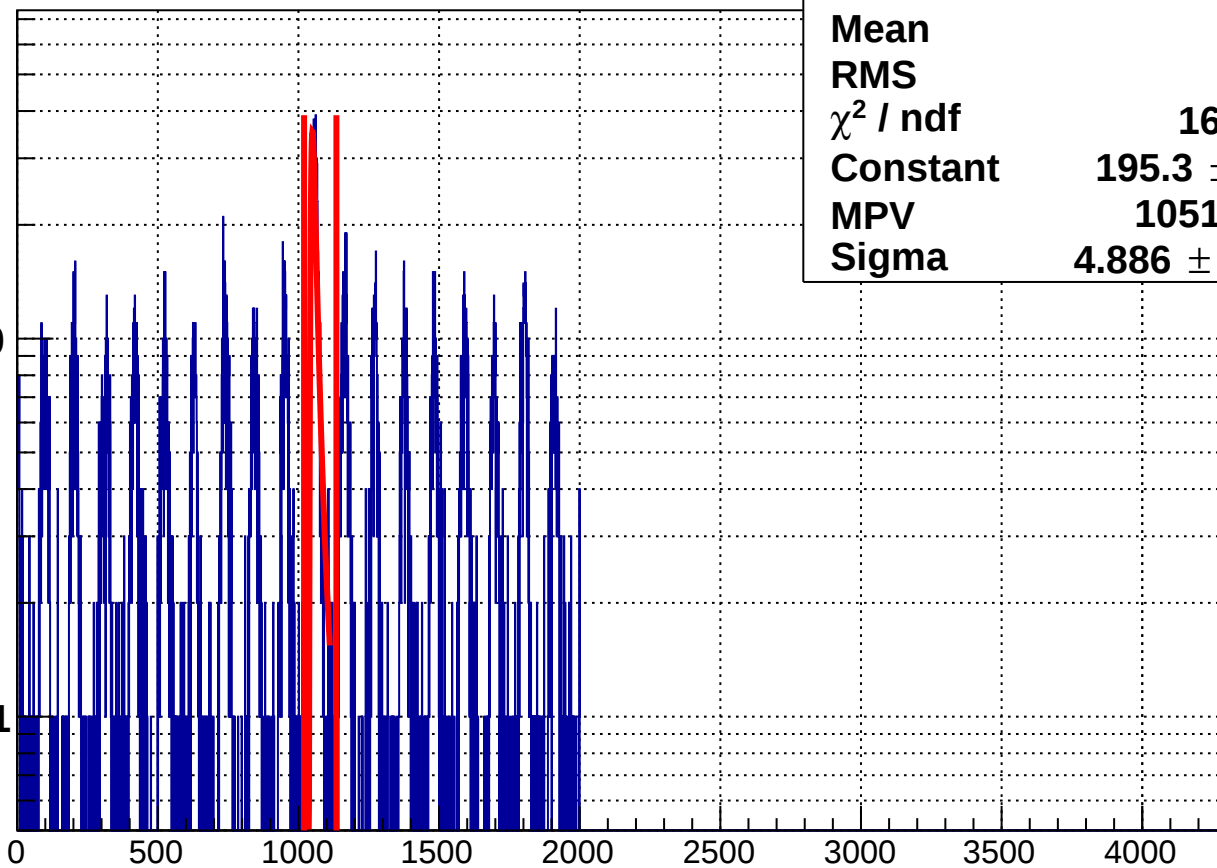
Run# 18103016

tray_le_15

count

10

1



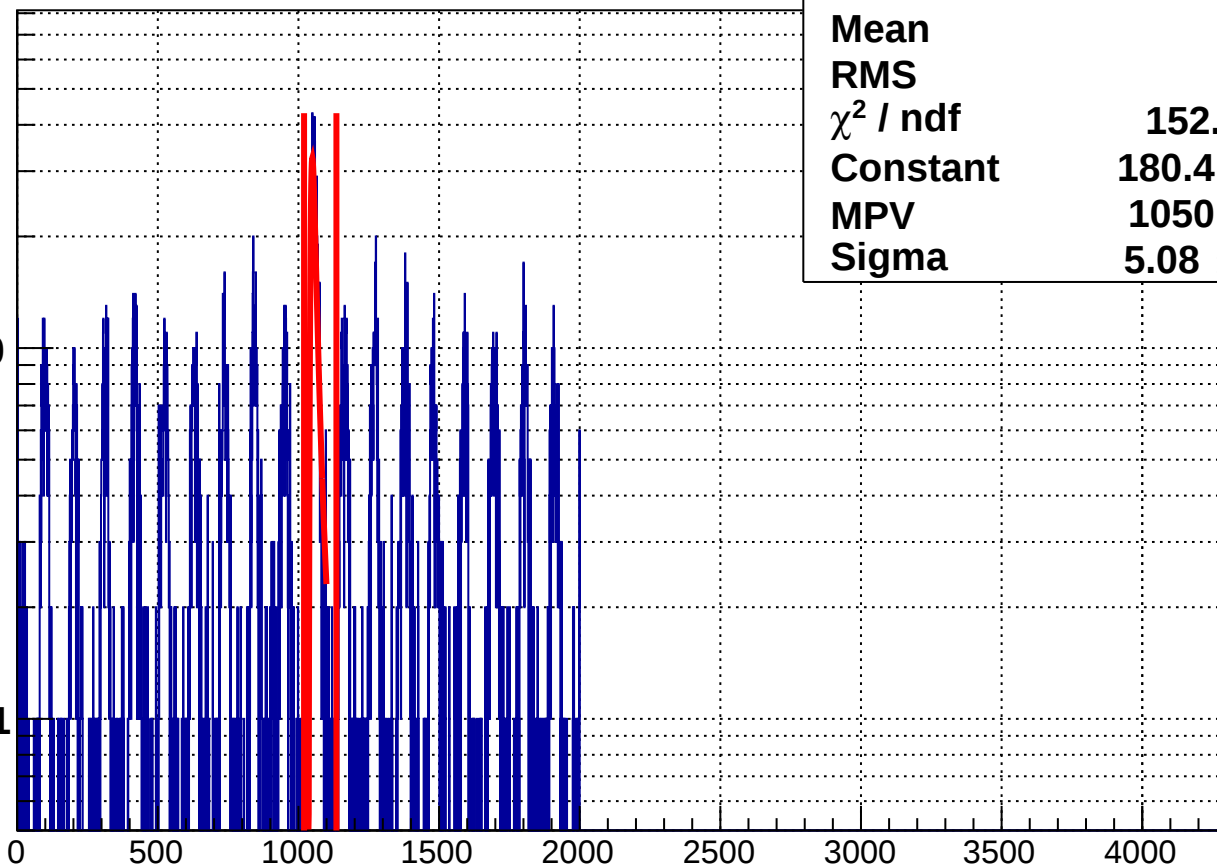
Entries	5856
Mean	1016
RMS	517.4
χ^2 / ndf	164 / 68
Constant	195.3 ± 10.5
MPV	1051 ± 0.4
Sigma	4.886 ± 0.237

Run# 18103016

count

10

1



tray_le_16

Entries	5490
Mean	1019
RMS	513.5
χ^2 / ndf	152.4 / 69
Constant	180.4 ± 8.9
MPV	1050 ± 0.4
Sigma	5.08 ± 0.21

LE time (ns)

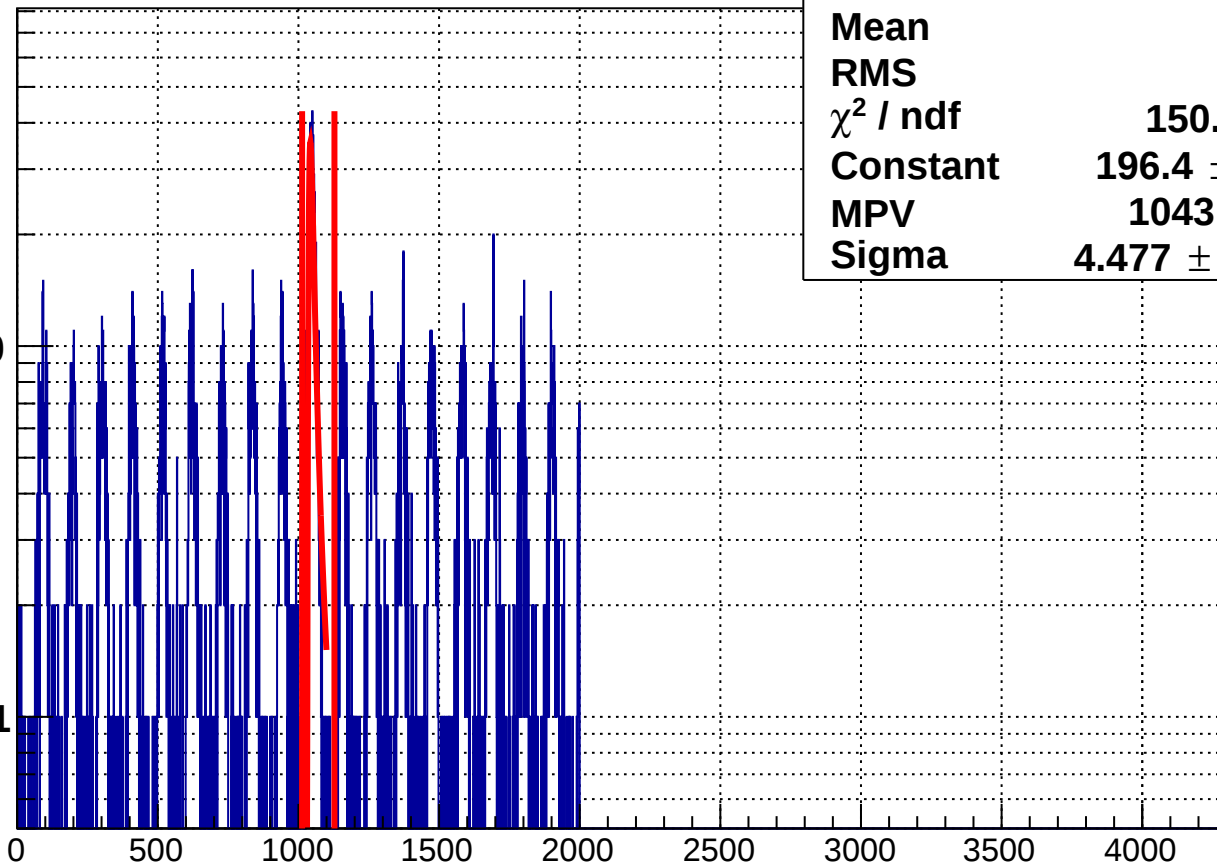
Run# 18103016

tray_le_17

count

10

1



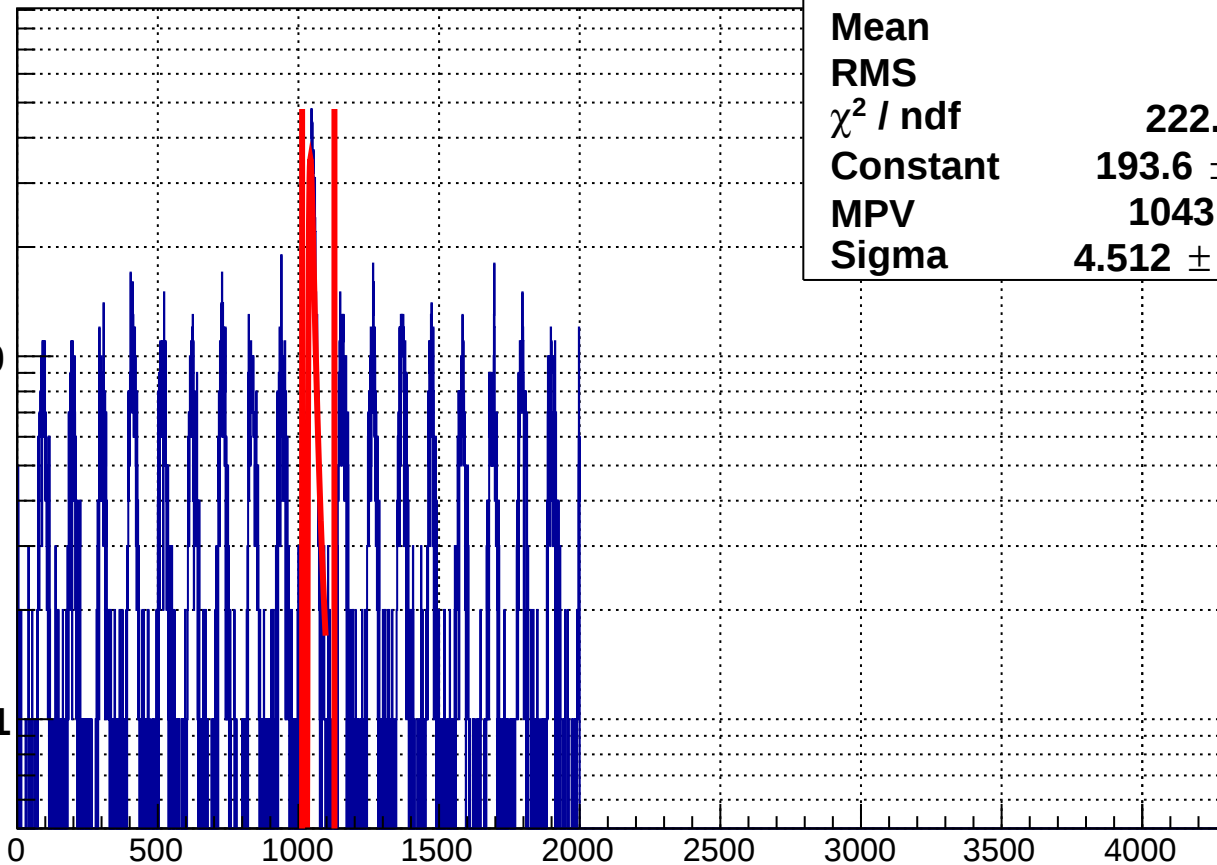
Thu Apr 13 14:03:45 2017

Run# 18103016

count

10

1



tray_le_18

Entries	5703
Mean	1017
RMS	513.7
χ^2 / ndf	222.2 / 77
Constant	193.6 ± 11.2
MPV	1043 ± 0.5
Sigma	4.512 ± 0.233

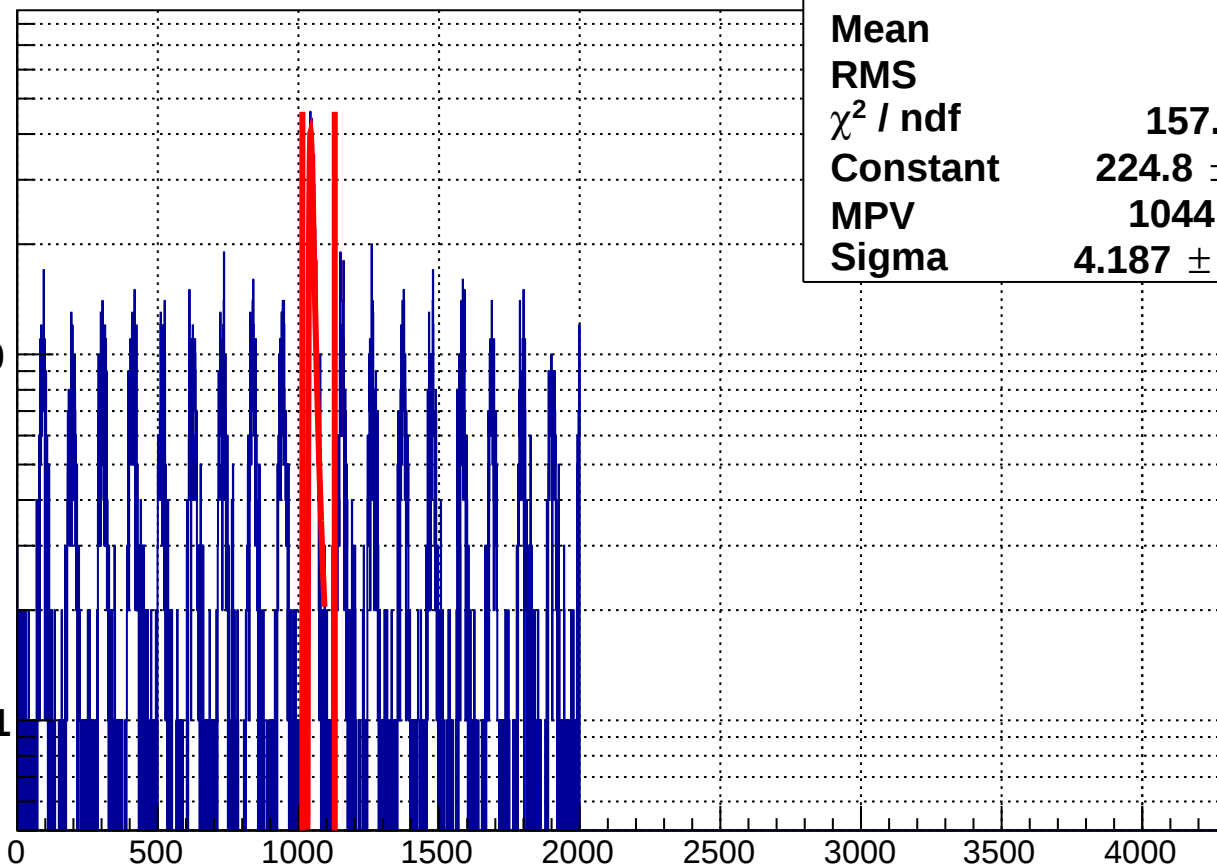
LE time (ns)

Run# 18103016

count

10

1



tray_le_19

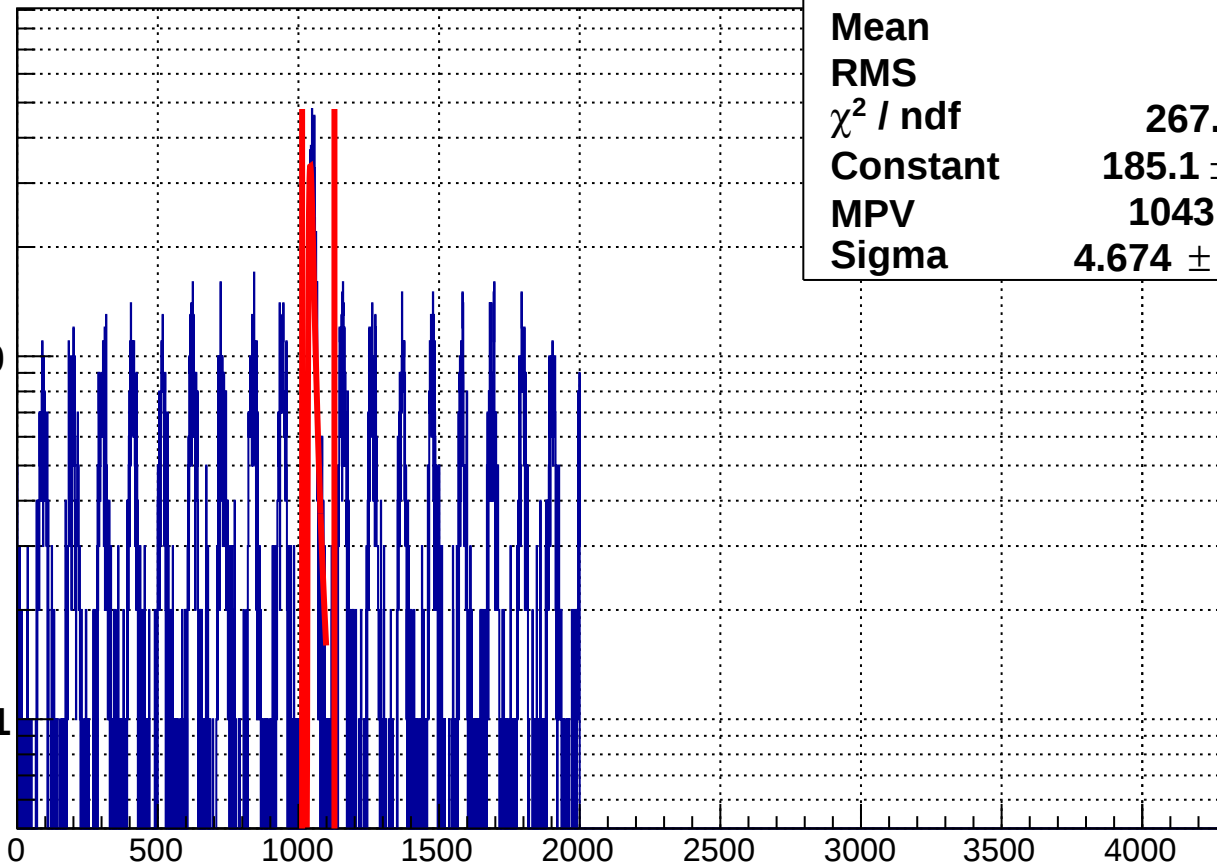
Entries	5776
Mean	1004
RMS	516.3
χ^2 / ndf	157.8 / 68
Constant	224.8 ± 12.0
MPV	1044 ± 0.3
Sigma	4.187 ± 0.197

Run# 18103016

count

10

1



tray_le_20

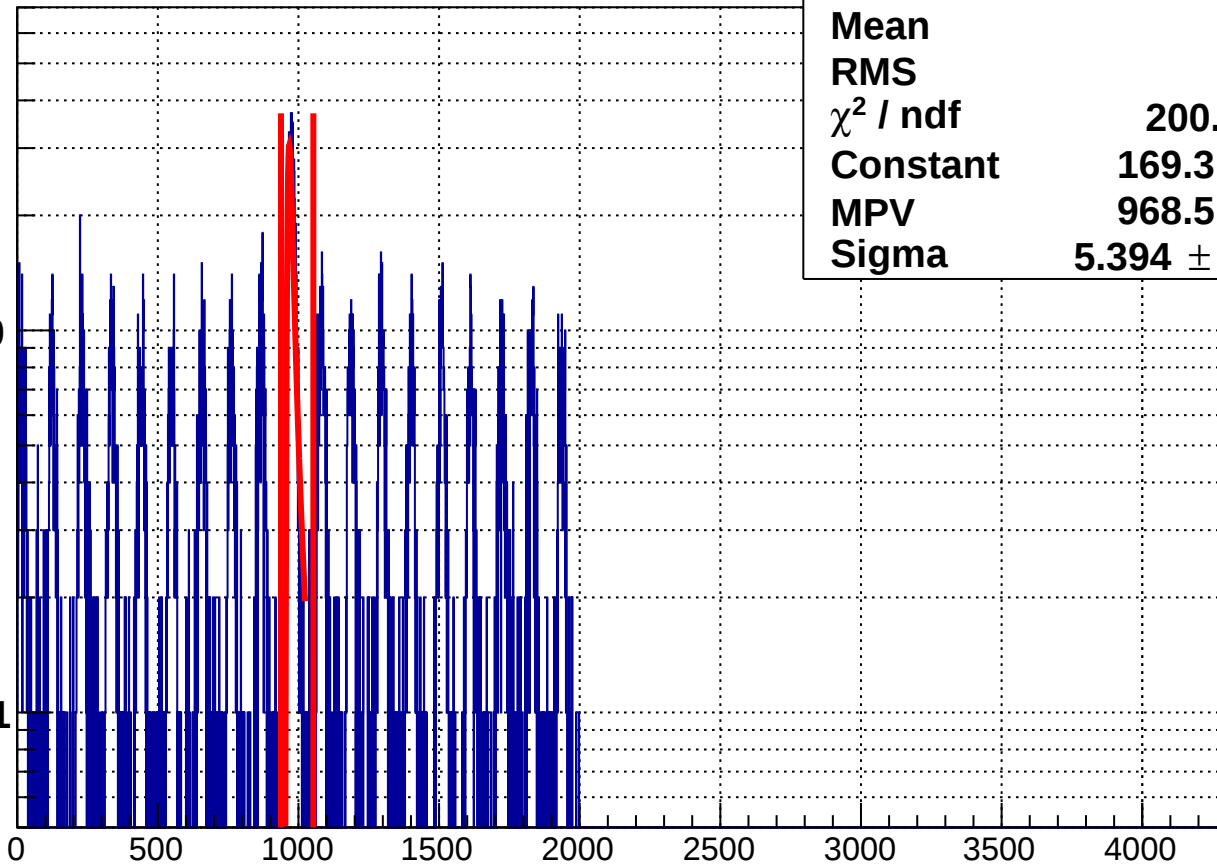
Entries	5800
Mean	1010
RMS	515.3
χ^2 / ndf	267.7 / 70
Constant	185.1 ± 10.6
MPV	1043 ± 0.5
Sigma	4.674 ± 0.239

Run# 18103016

count

10

1



tray_le_21

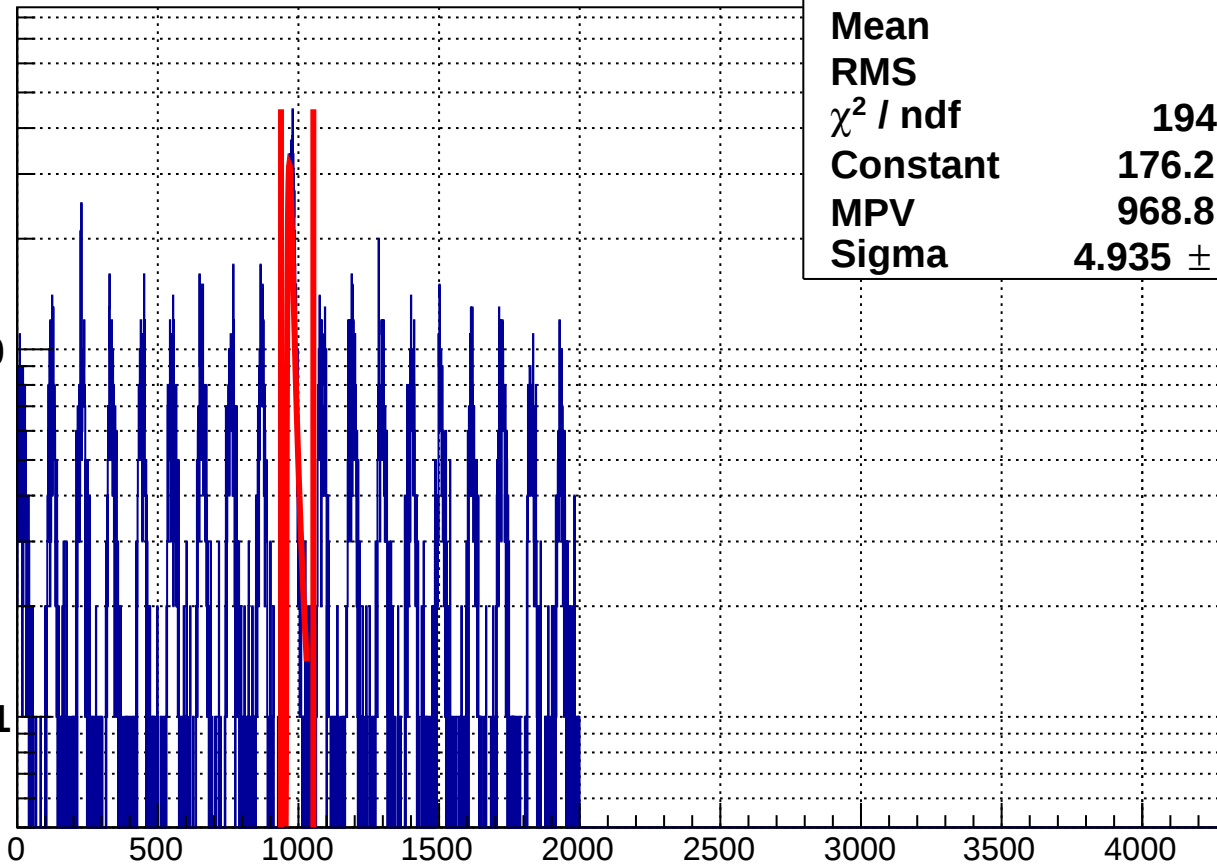
Entries	5723
Mean	976.9
RMS	530
χ^2 / ndf	200.9 / 72
Constant	169.3 ± 9.0
MPV	968.5 ± 0.5
Sigma	5.394 ± 0.250

Run# 18103016

count

10

1



tray_le_22

Entries	5659
Mean	963.4
RMS	527.6
χ^2 / ndf	194.2 / 71
Constant	176.2 ± 8.8
MPV	968.8 ± 0.4
Sigma	4.935 ± 0.198

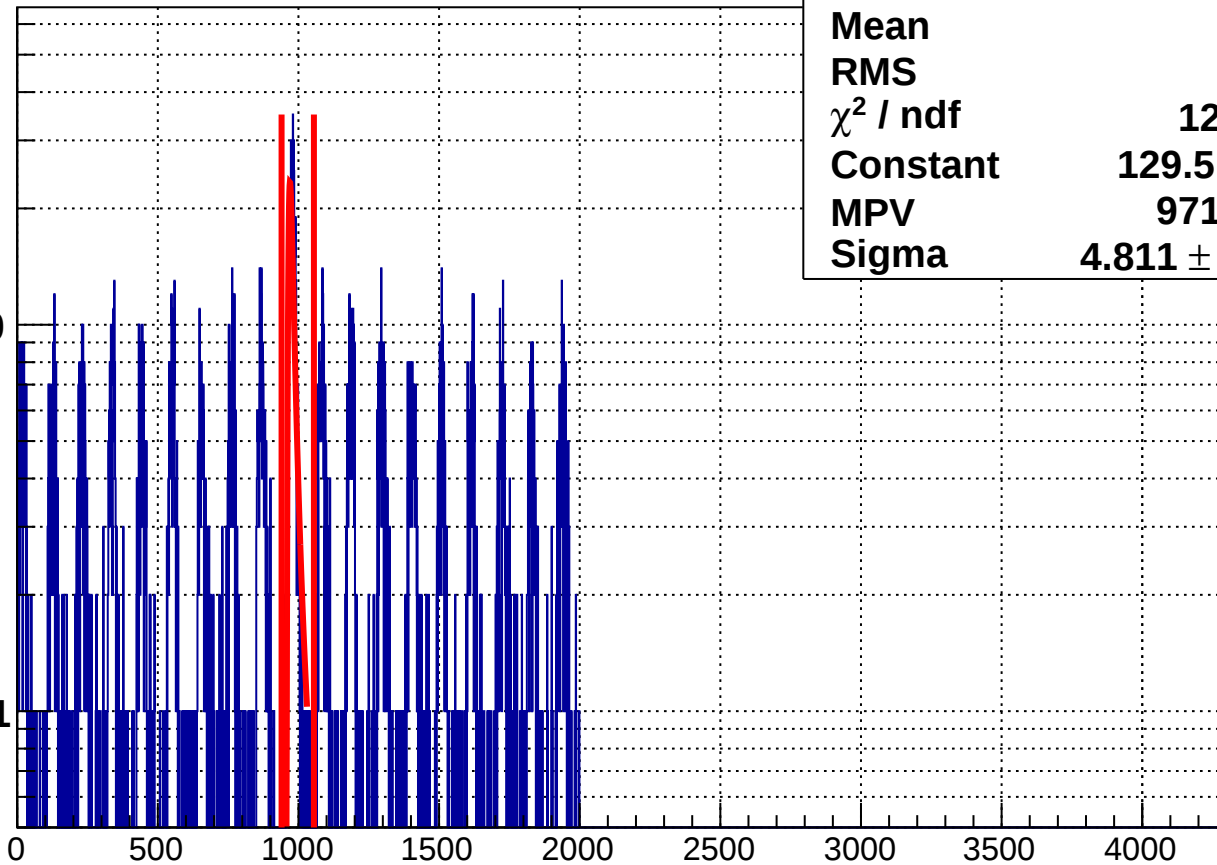
Run# 18103016

tray_le_23

count

10

1



Entries	4157
Mean	971.6
RMS	530.2
χ^2 / ndf	128 / 62
Constant	129.5 ± 7.9
MPV	971 ± 0.5
Sigma	4.811 ± 0.246

LE time (ns)

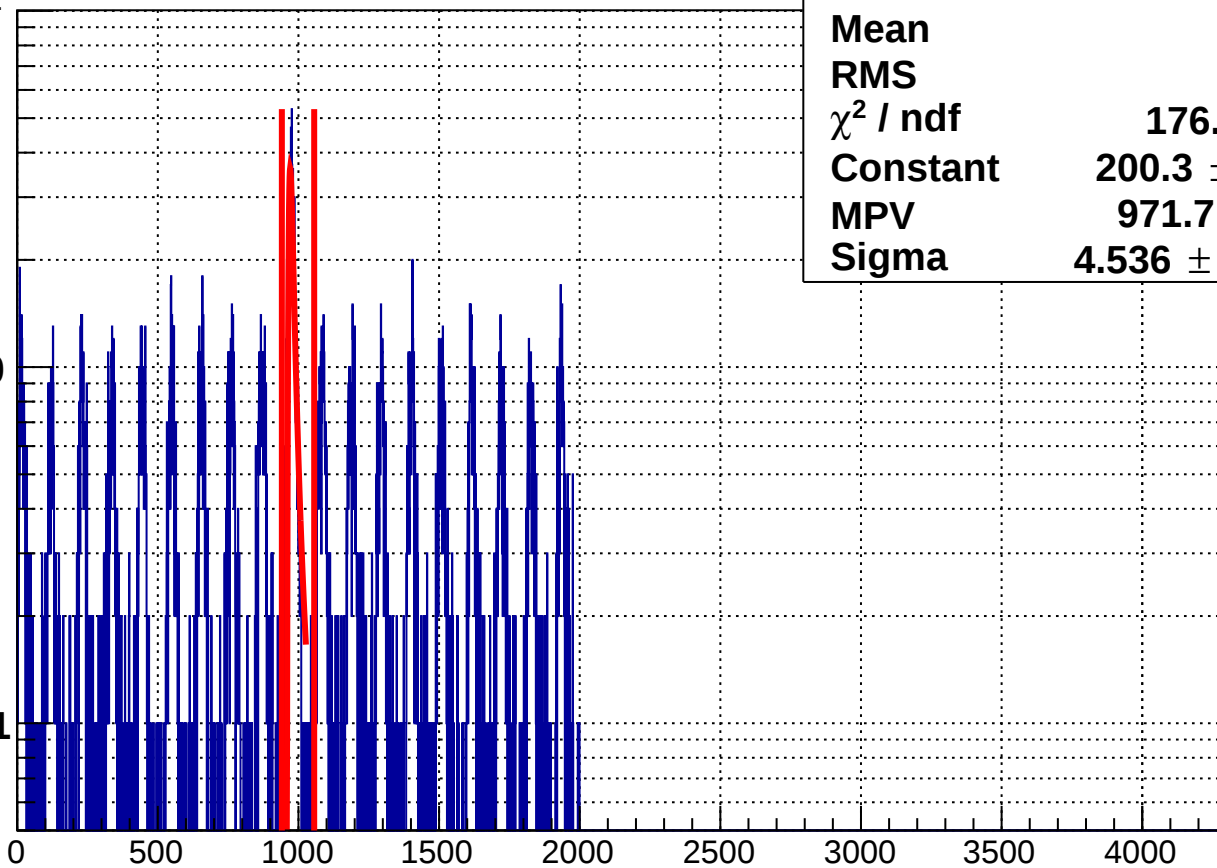
Run# 18103016

count

10^2

10

1



tray_le_24

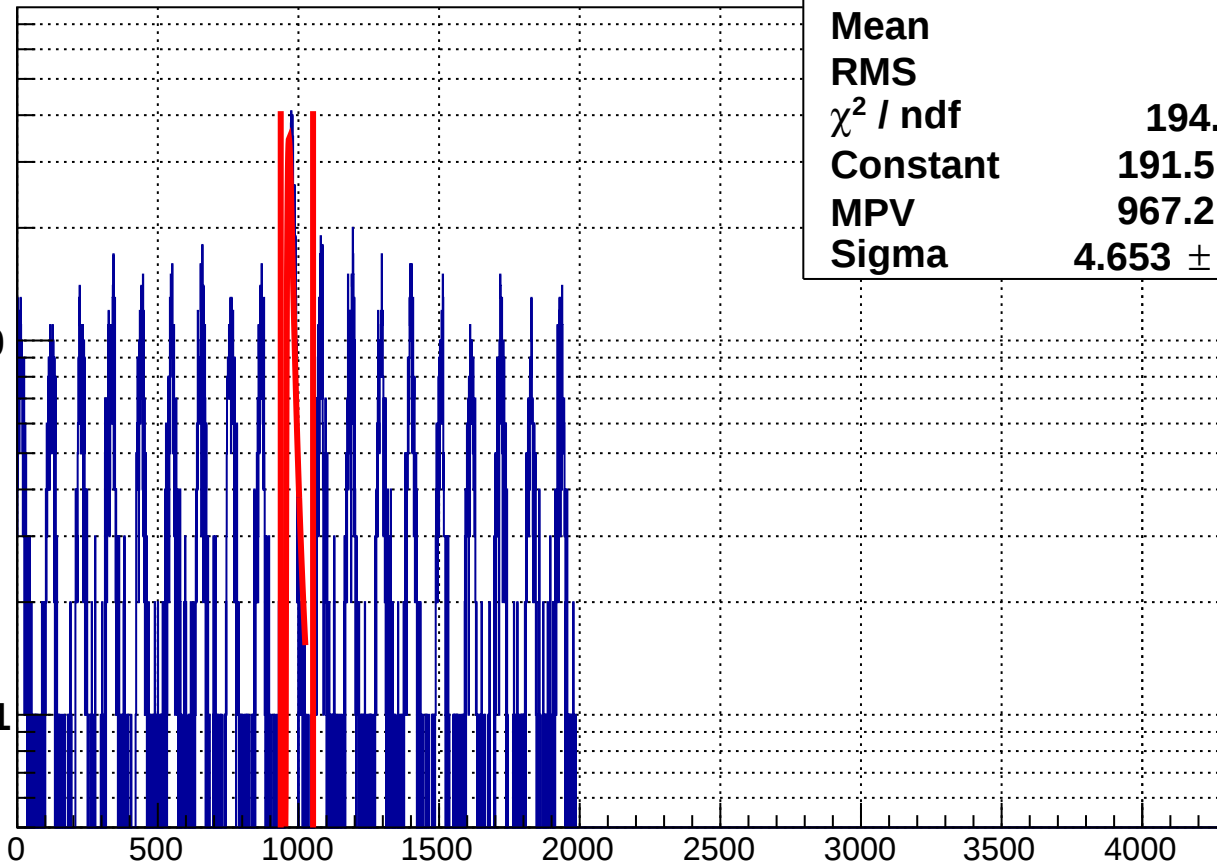
Entries	5816
Mean	985.1
RMS	531.9
χ^2 / ndf	176.3 / 69
Constant	200.3 ± 11.5
MPV	971.7 ± 0.4
Sigma	4.536 ± 0.238

Run# 18103016

count

10

1



LE time (ns)

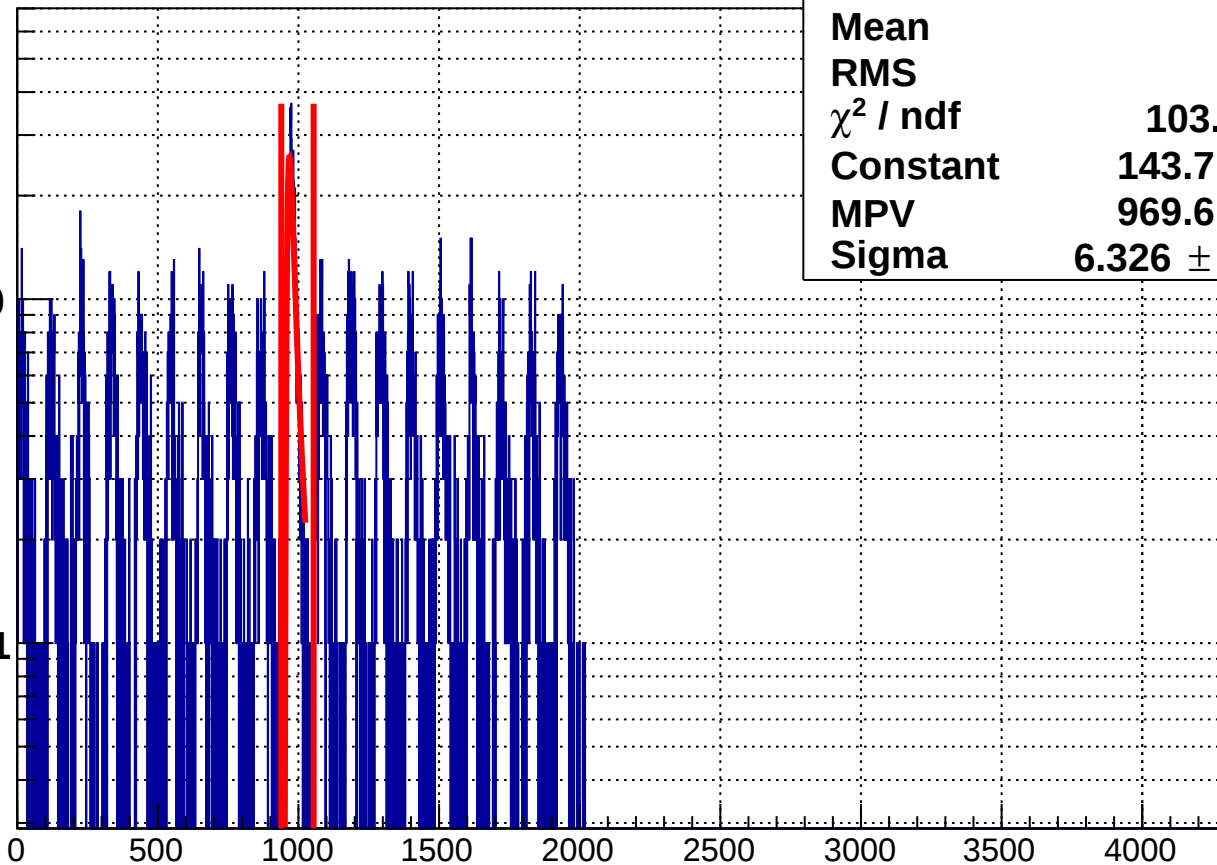
Run# 18103016

tray_le_26

count

10

1



Entries	5747
Mean	984.3
RMS	536.6
χ^2 / ndf	103.2 / 77
Constant	143.7 ± 7.3
MPV	969.6 ± 0.5
Sigma	6.326 ± 0.276

LE time (ns)

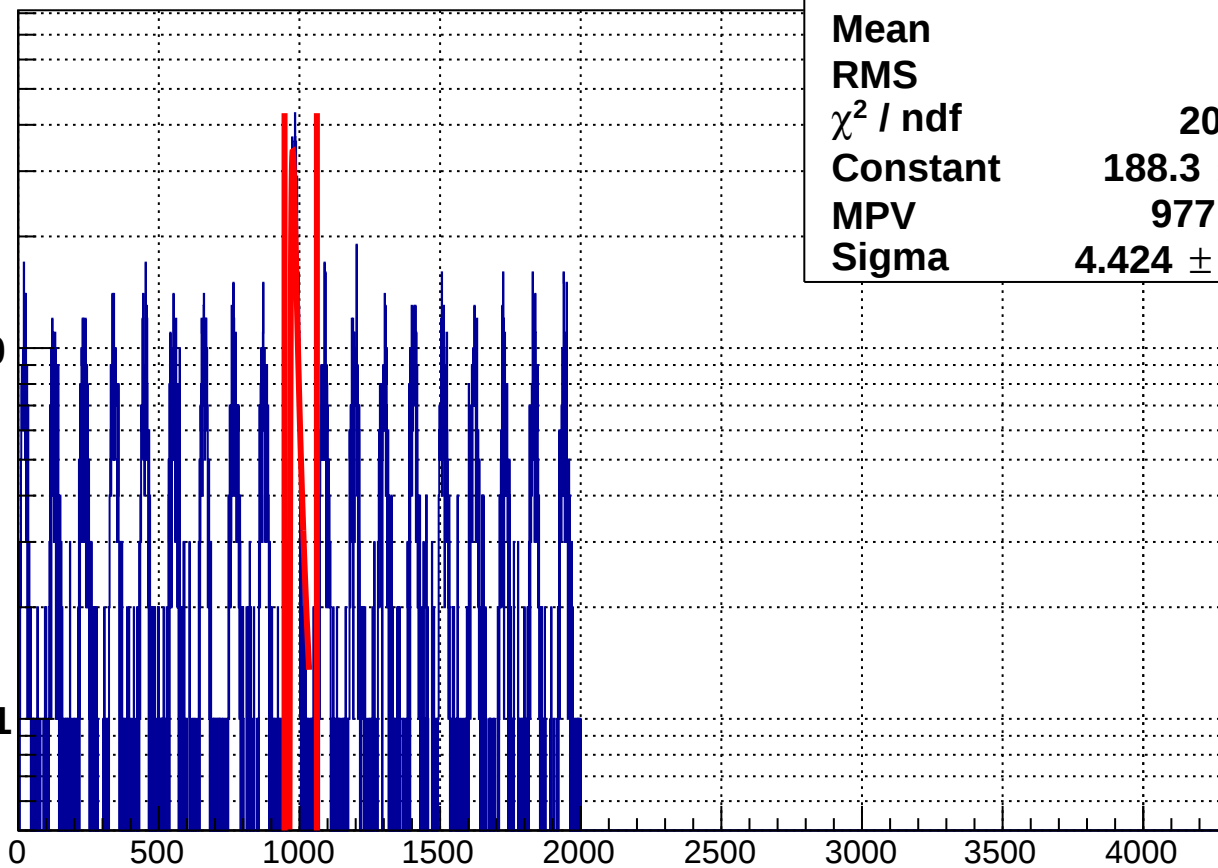
Run# 18103016

tray_le_27

count

10

1



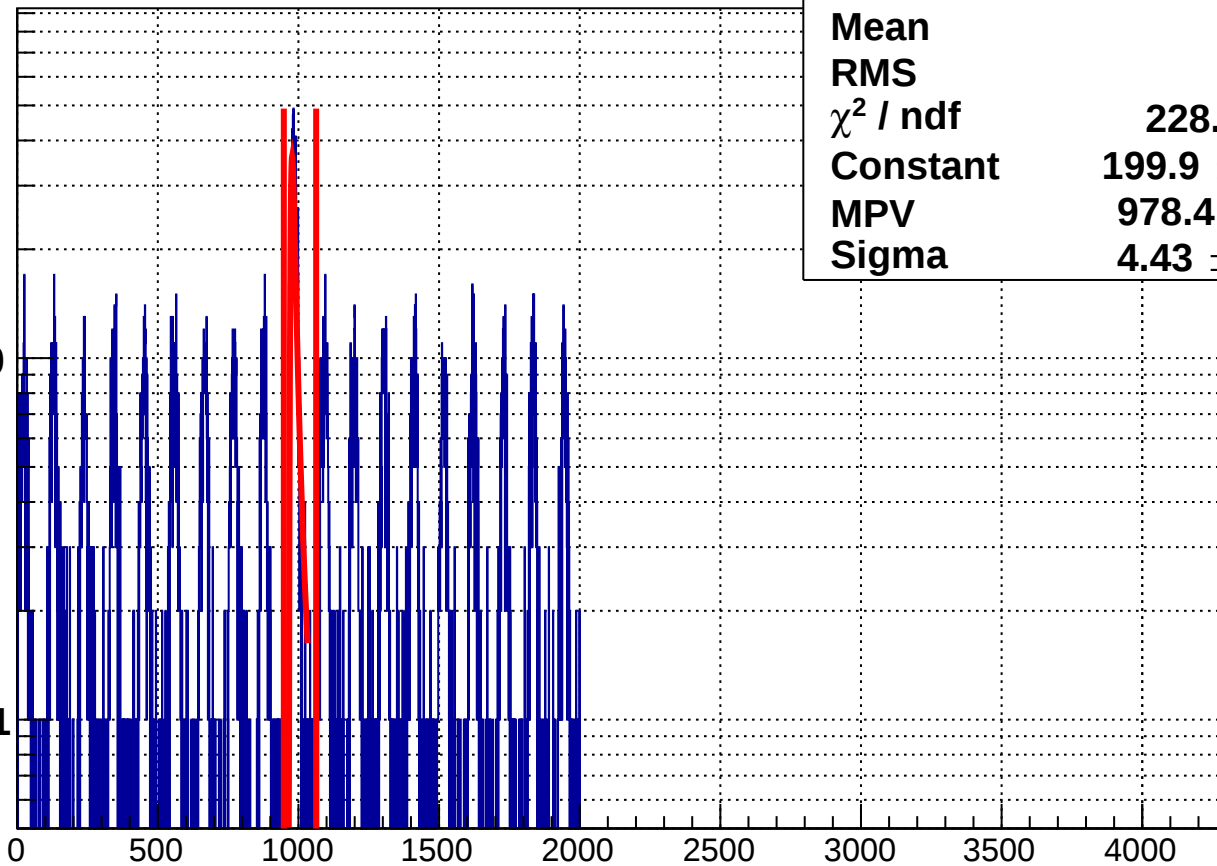
Entries	5722
Mean	985.5
RMS	540.2
χ^2 / ndf	203 / 62
Constant	188.3 ± 11.1
MPV	977 ± 0.4
Sigma	4.424 ± 0.235

Run# 18103016

count

10

1



tray_le_28

Entries	5824
Mean	984
RMS	532.8
χ^2 / ndf	228.1 / 68
Constant	199.9 ± 12.1
MPV	978.4 ± 0.5
Sigma	4.43 ± 0.25

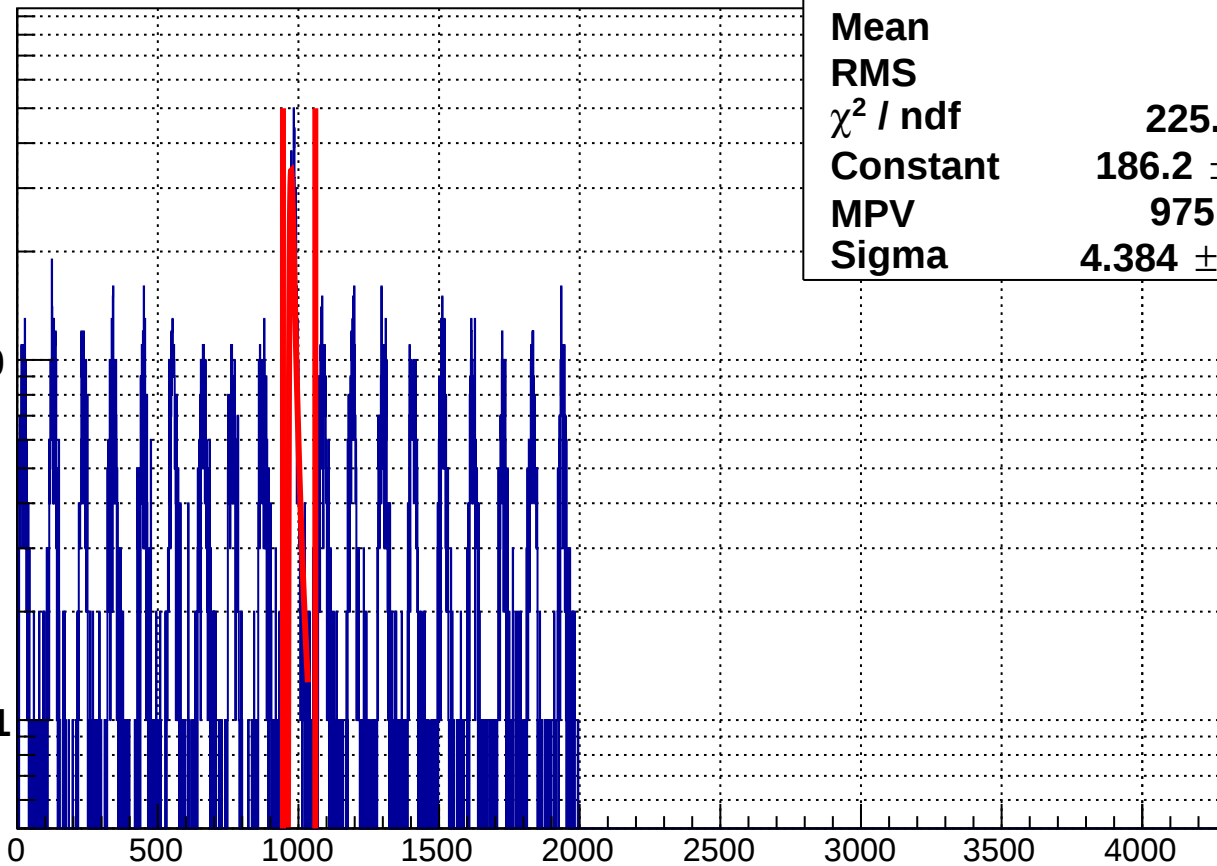
Run# 18103016

tray_le_29

count

10

1



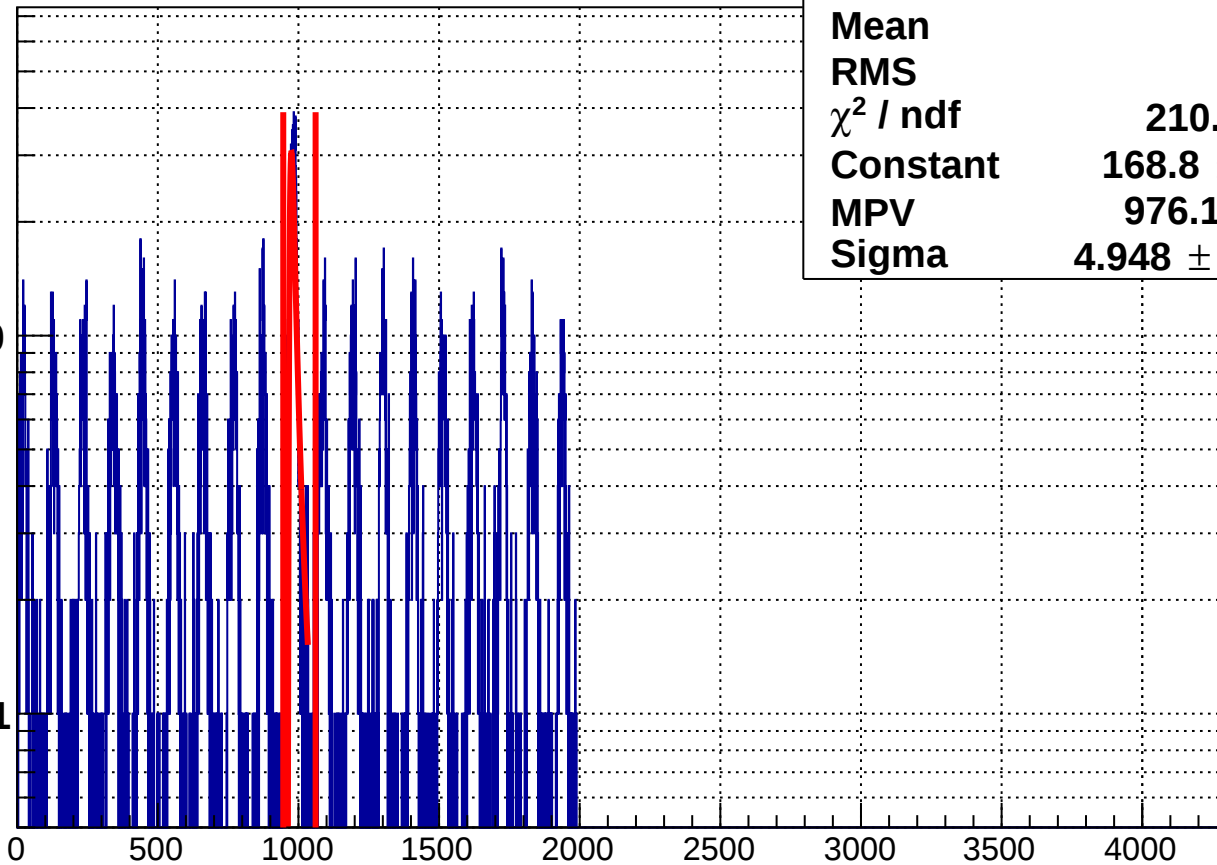
Entries	5523
Mean	974
RMS	532.4
χ^2 / ndf	225.9 / 72
Constant	186.2 ± 11.7
MPV	975 ± 0.5
Sigma	4.384 ± 0.251

Run# 18103016

count

10

1



tray_le_30

Entries	5673
Mean	989
RMS	535.4
χ^2 / ndf	210.1 / 66
Constant	168.8 ± 10.1
MPV	976.1 ± 0.5
Sigma	4.948 ± 0.272

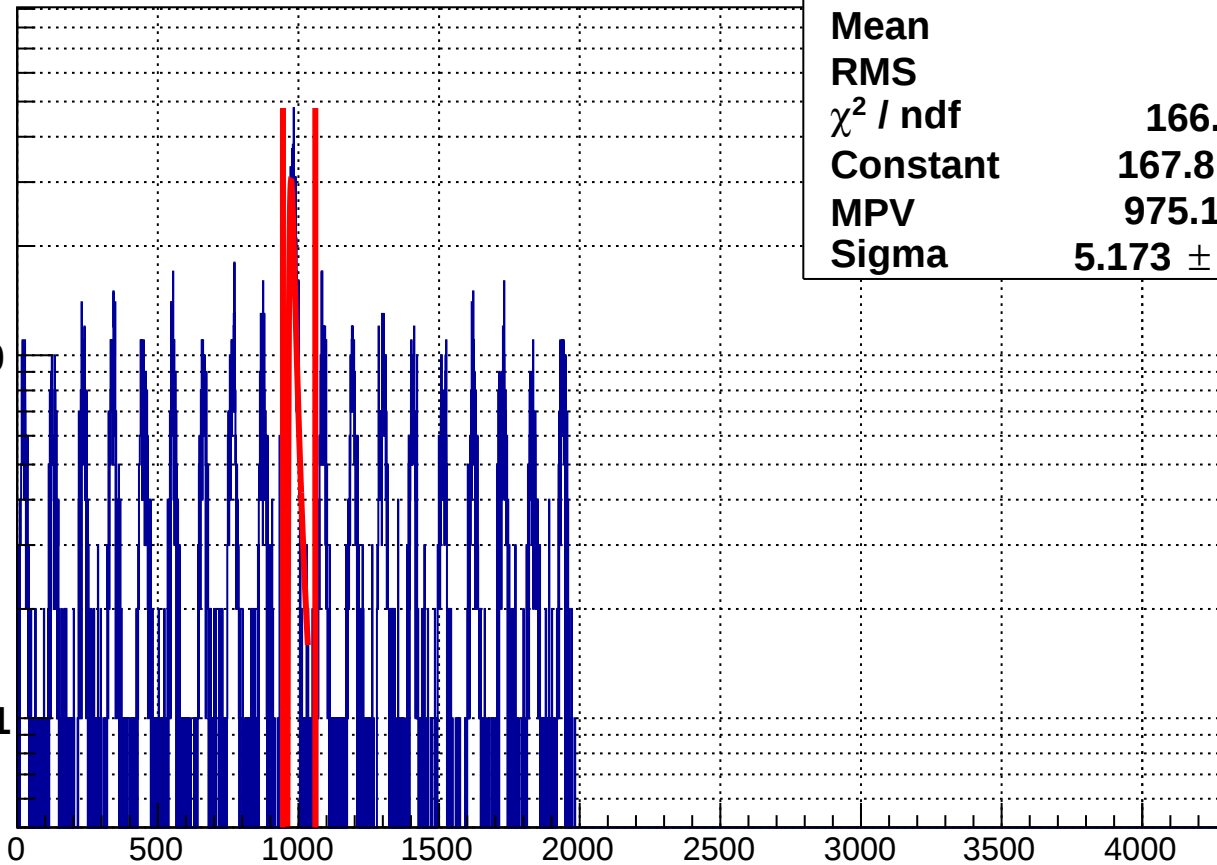
Run# 18103016

tray_le_31

count

10

1



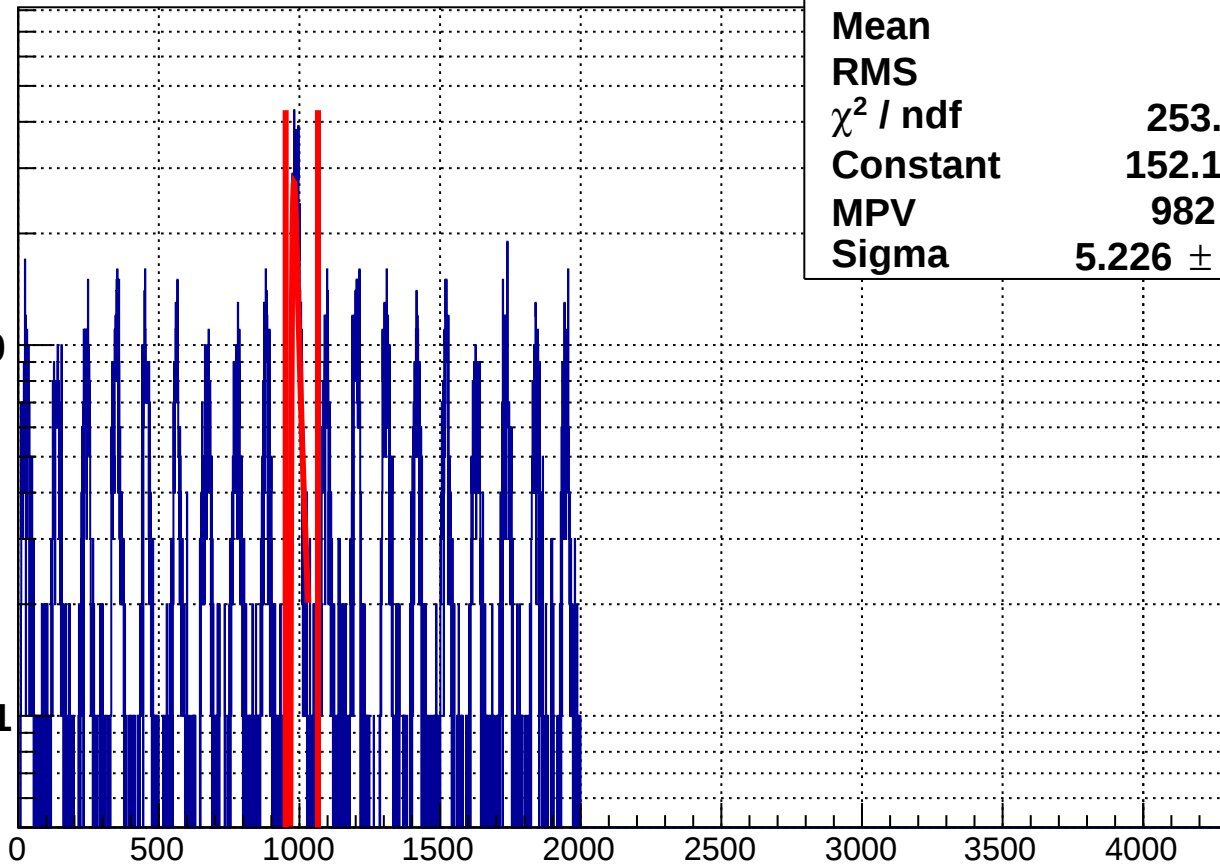
Entries	5284
Mean	983.6
RMS	528.7
χ^2 / ndf	166.9 / 62
Constant	167.8 ± 9.4
MPV	975.1 ± 0.5
Sigma	5.173 ± 0.262

Run# 18103016

count

10

1



tray_le_32

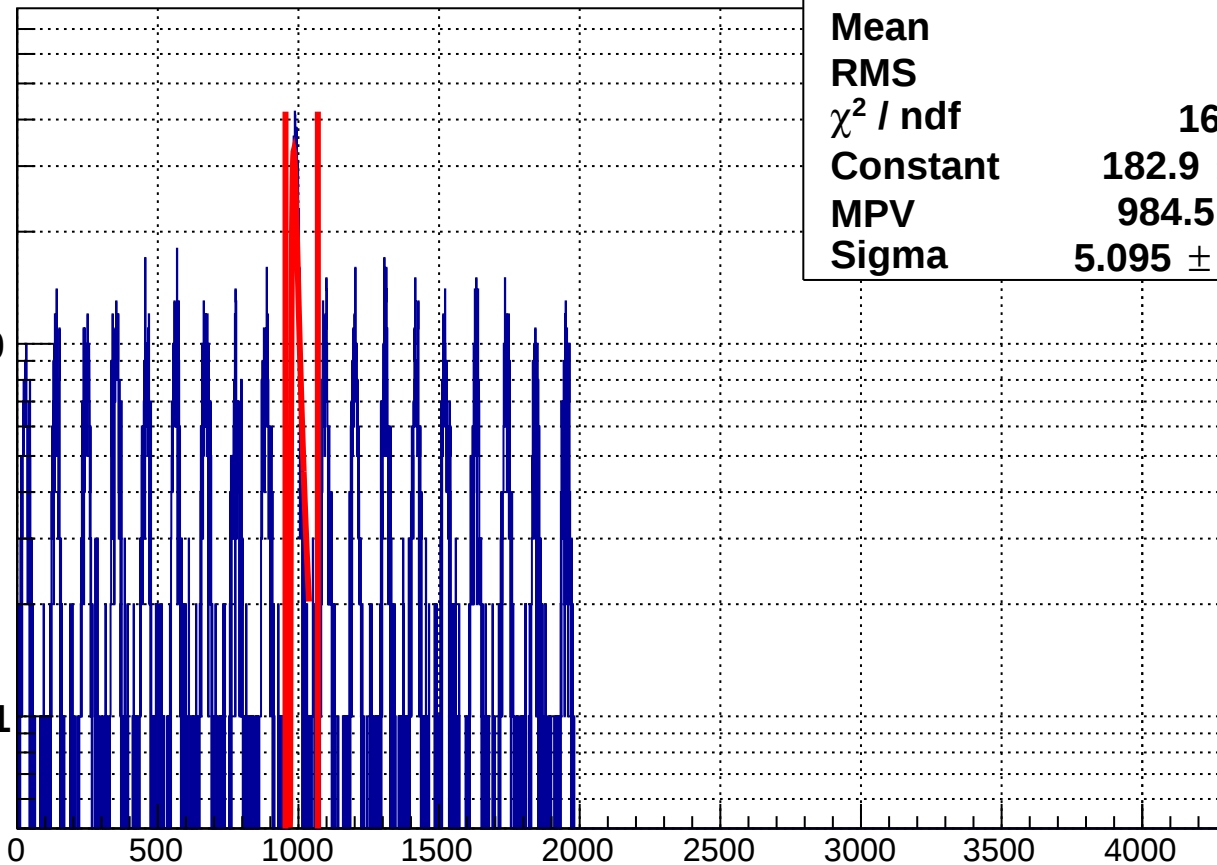
Entries	5692
Mean	980.6
RMS	538.3
χ^2 / ndf	253.5 / 75
Constant	152.1 ± 8.6
MPV	982 ± 0.6
Sigma	5.226 ± 0.257

Run# 18103016

count

10

1



tray_le_33

Entries	5571
Mean	990.2
RMS	529.3
χ^2 / ndf	160 / 62
Constant	182.9 ± 10.1
MPV	984.5 ± 0.5
Sigma	5.095 ± 0.258

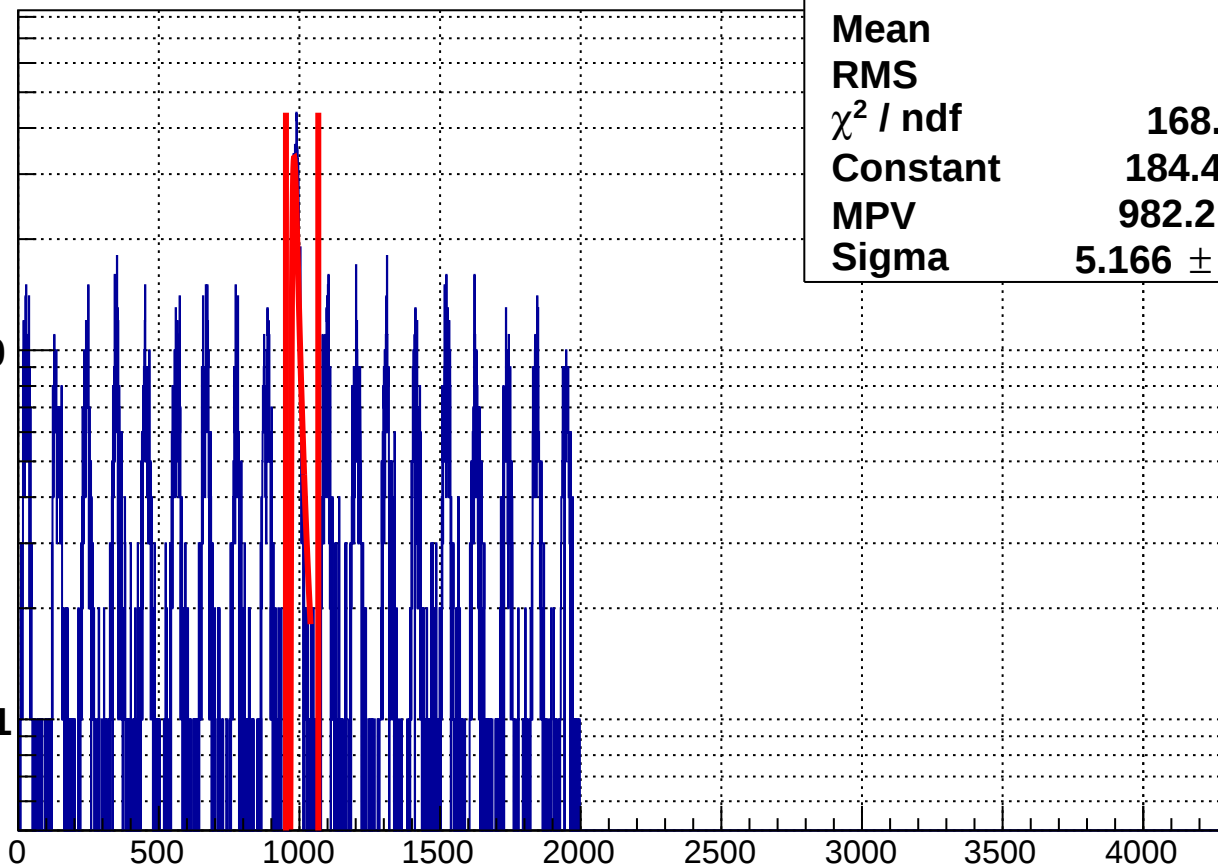
Run# 18103016

tray_le_34

count

10

1



tray_le_34	
Entries	5664
Mean	979.8
RMS	533.4
χ^2 / ndf	168.5 / 69
Constant	184.4 ± 9.1
MPV	982.2 ± 0.4
Sigma	5.166 ± 0.212

LE time (ns)

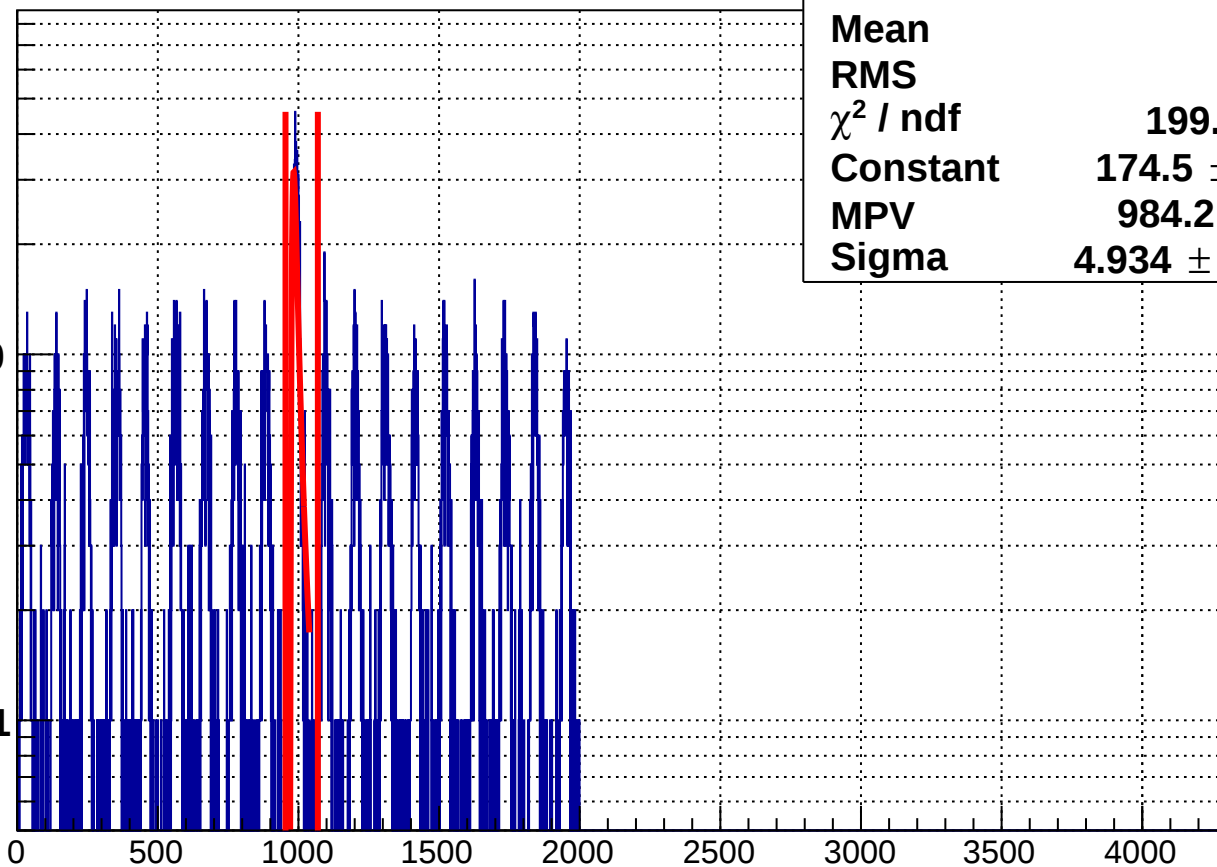
Run# 18103016

tray_le_35

count

10

1



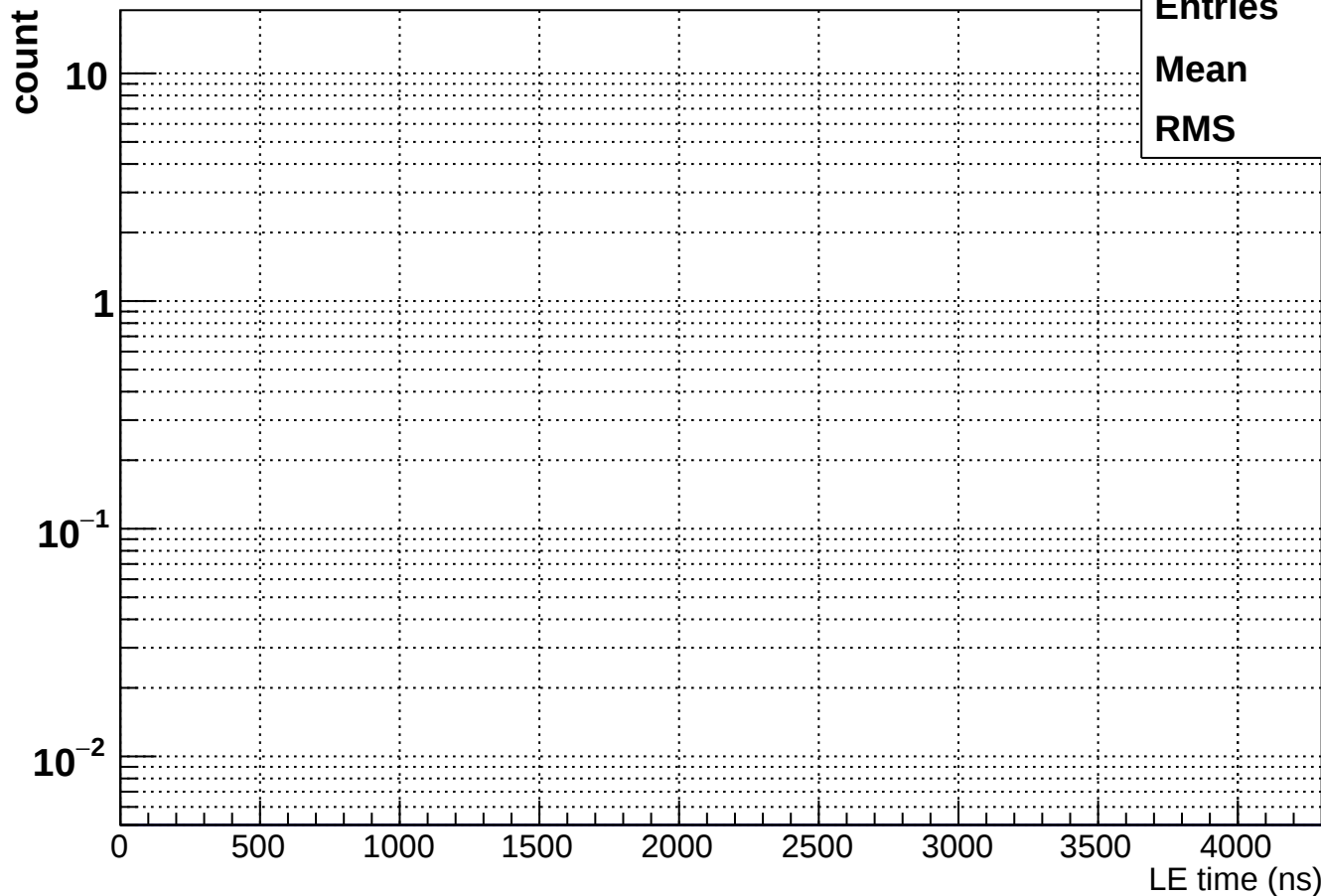
Entries	5584
Mean	984.9
RMS	535.9
χ^2 / ndf	199.8 / 68
Constant	174.5 ± 11.0
MPV	984.2 ± 0.5
Sigma	4.934 ± 0.293

LE time (ns)

Run# 18103016

tray_le_36

Entries	0
Mean	0
RMS	0



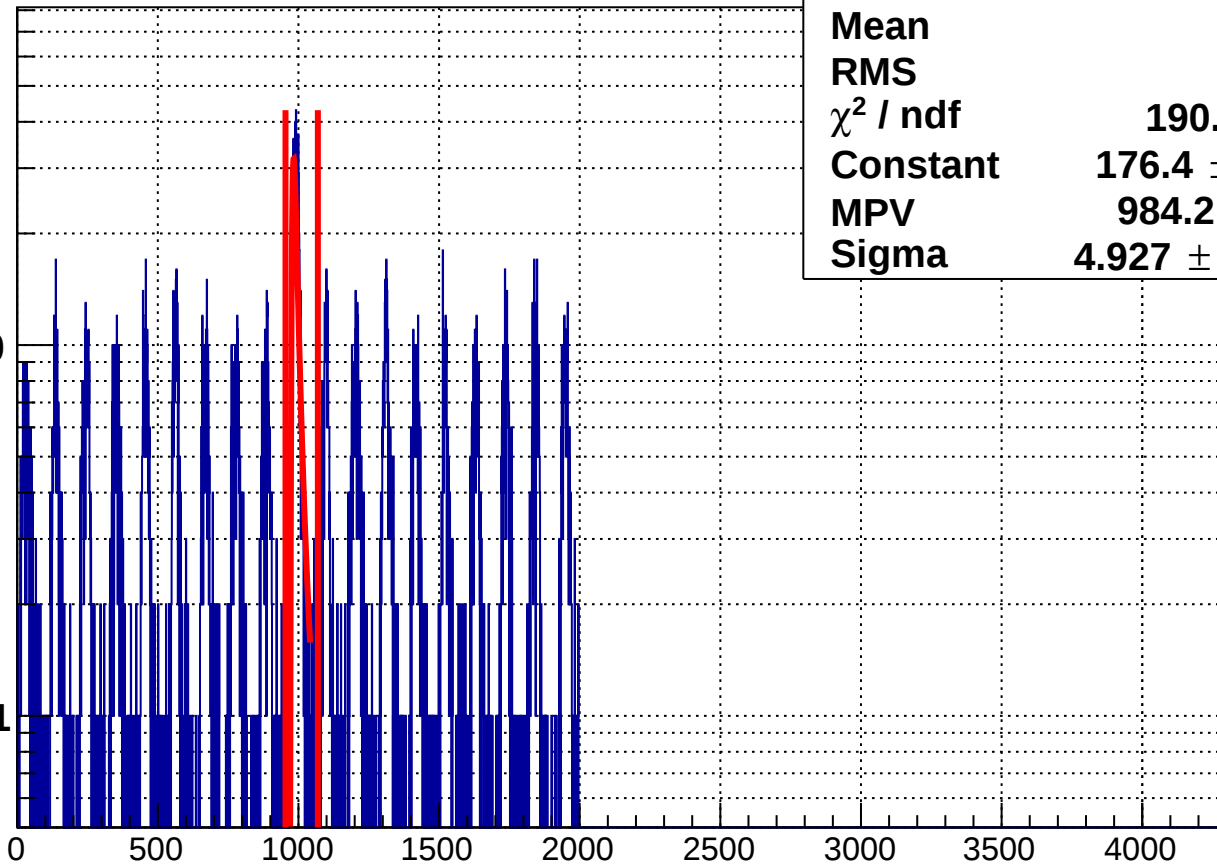
Run# 18103016

tray_le_37

count

10

1



Entries	5658
Mean	1001
RMS	537.9
χ^2 / ndf	190.2 / 66
Constant	176.4 ± 10.2
MPV	984.2 ± 0.5
Sigma	4.927 ± 0.260

LE time (ns)

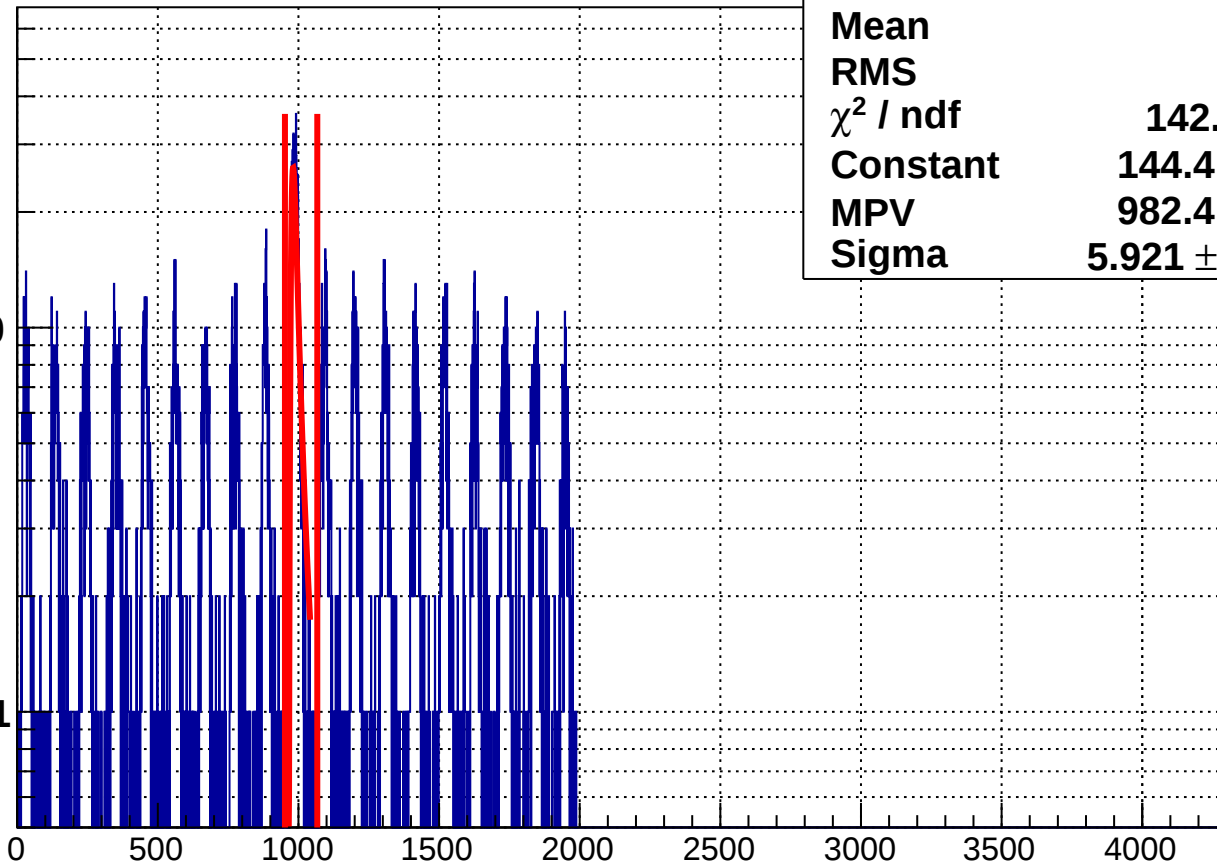
Run# 18103016

tray_le_38

count

10

1



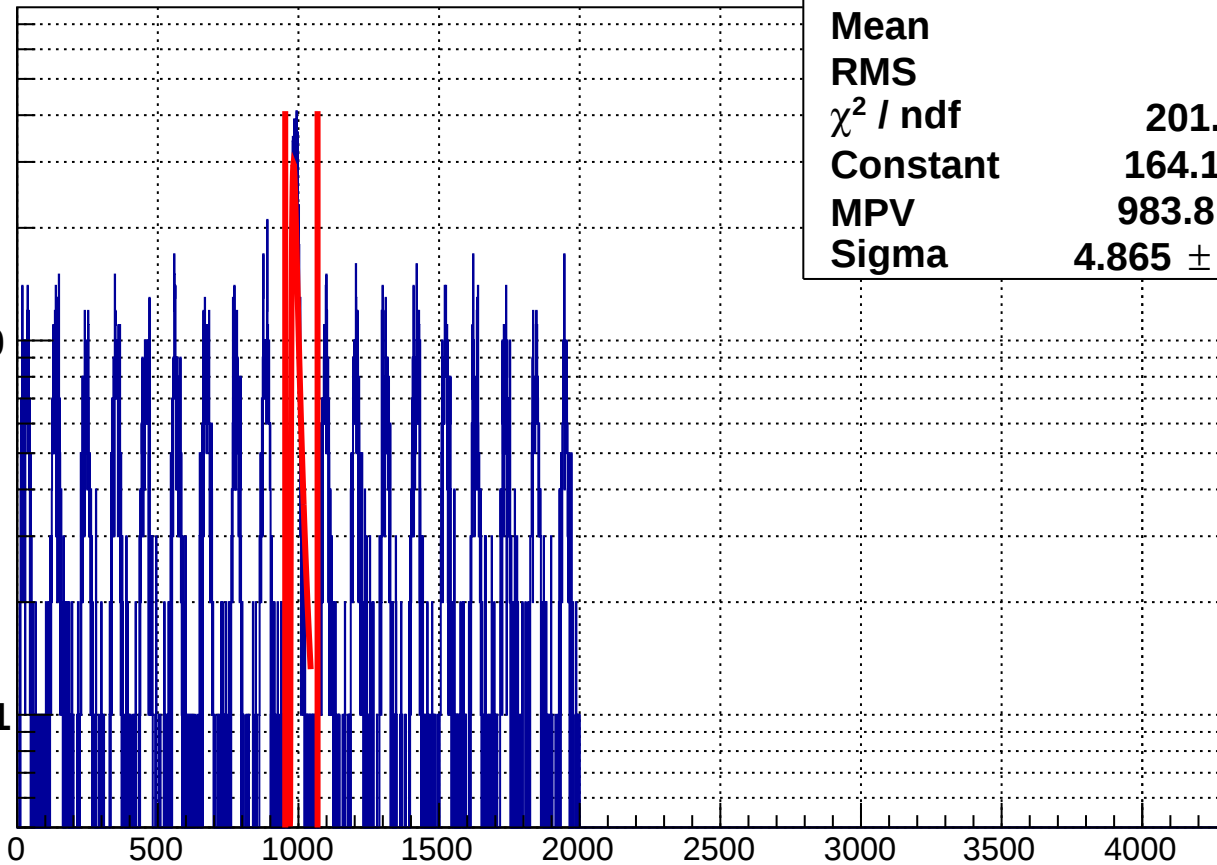
Entries	5484
Mean	984
RMS	535.4
χ^2 / ndf	142.6 / 75
Constant	144.4 ± 7.5
MPV	982.4 ± 0.5
Sigma	5.921 ± 0.261

Run# 18103016

count

10

1



tray_le_39

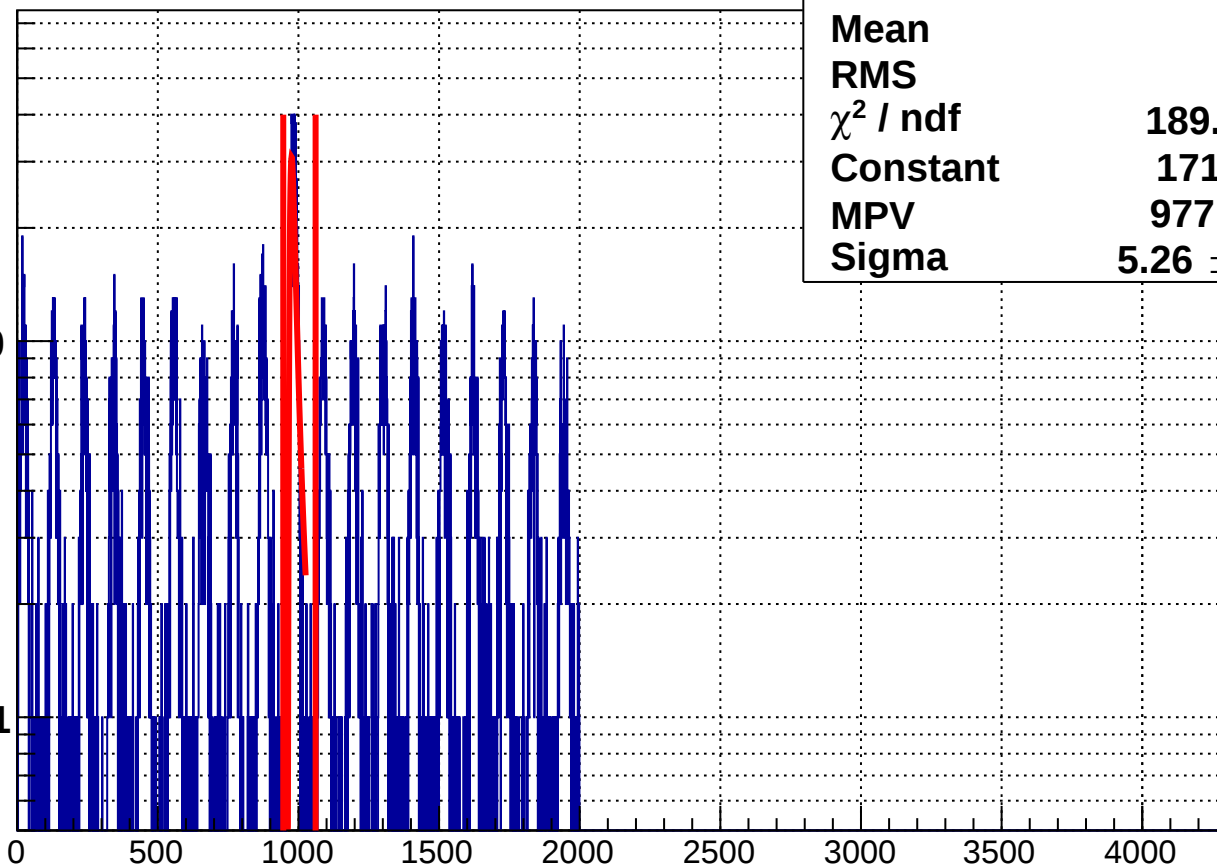
Entries	5662
Mean	982.1
RMS	540.5
χ^2 / ndf	201.3 / 66
Constant	164.1 ± 9.7
MPV	983.8 ± 0.4
Sigma	4.865 ± 0.258

Run# 18103016

count

10

1



tray_le_40

Entries	5894
Mean	974.2
RMS	534.2
χ^2 / ndf	189.1 / 65
Constant	171 ± 8.9
MPV	977 ± 0.4
Sigma	5.26 ± 0.24

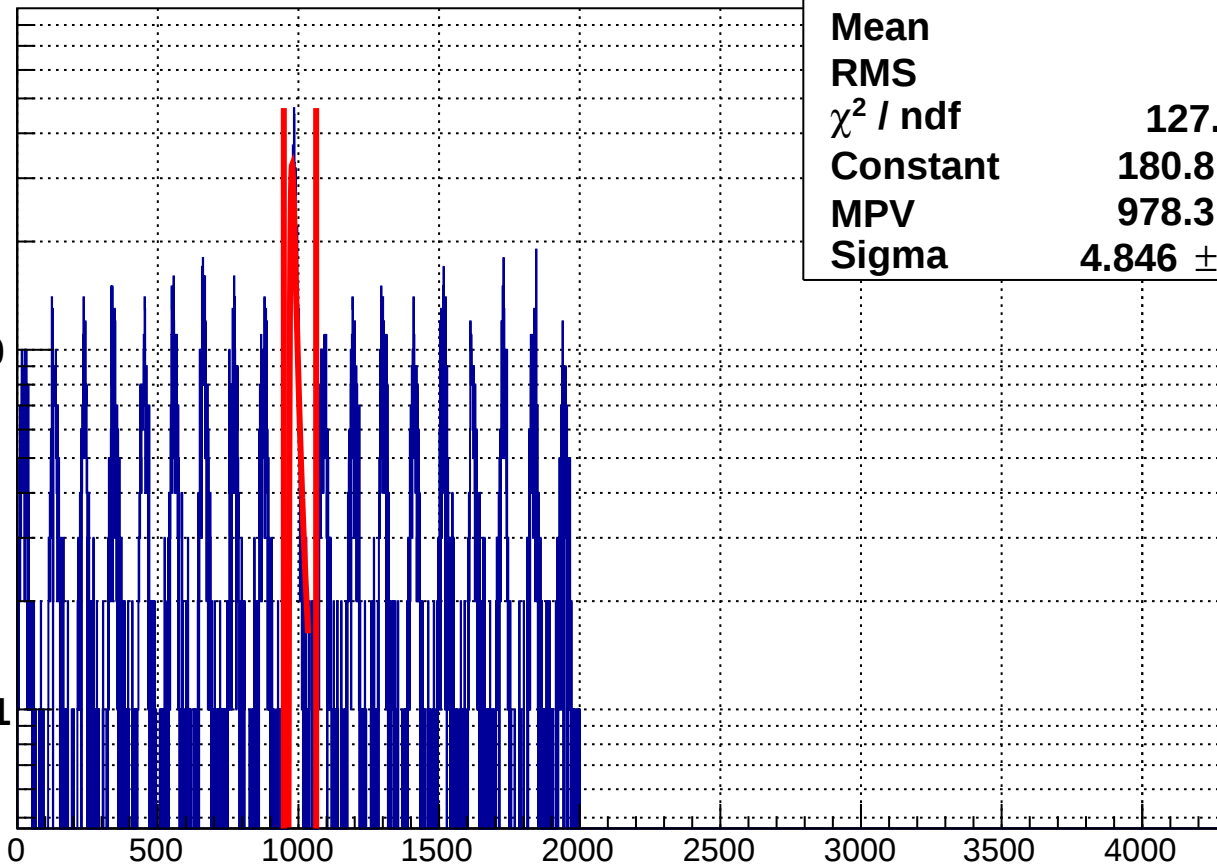
LE time (ns)

Run# 18103016

count

10

1



tray_le_41

Entries	5475
Mean	982.5
RMS	530
χ^2 / ndf	127.4 / 62
Constant	180.8 ± 9.8
MPV	978.3 ± 0.4
Sigma	4.846 ± 0.231

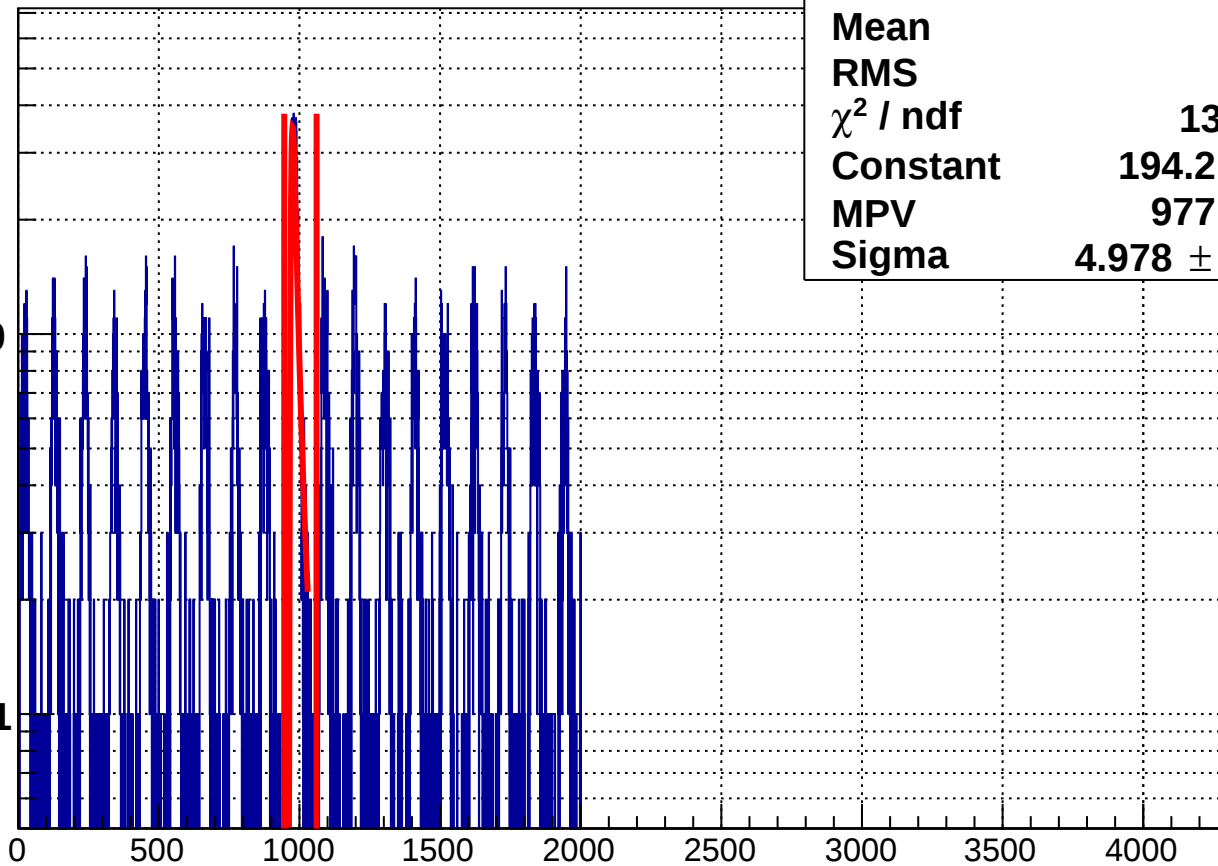
Run# 18103016

tray_le_42

count

10

1



tray_le_42	
Entries	5756
Mean	987.8
RMS	529.7
χ^2 / ndf	139 / 68
Constant	194.2 ± 9.6
MPV	977 ± 0.4
Sigma	4.978 ± 0.208

LE time (ns)

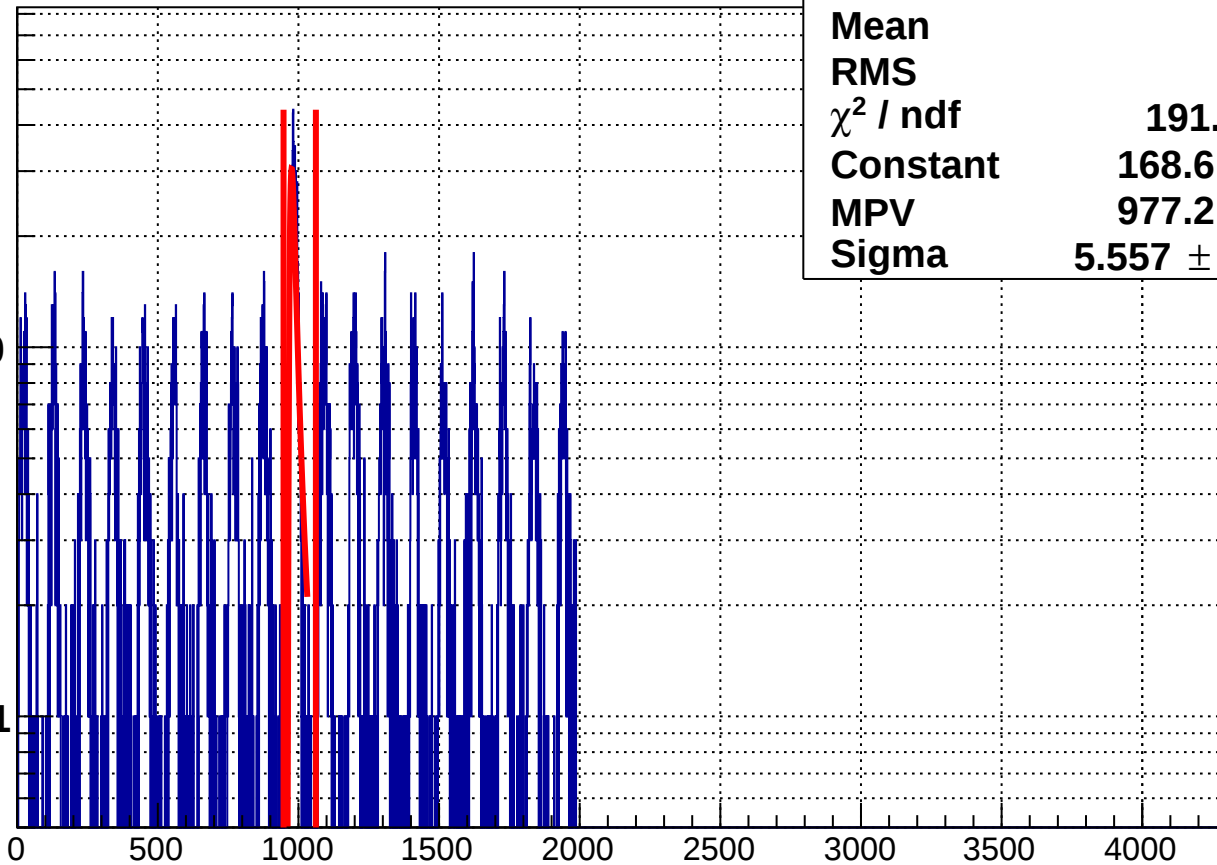
Run# 18103016

tray_le_43

count

10

1



Entries

6014

Mean

983.8

RMS

534.2

χ^2 / ndf

191.5 / 67

Constant

168.6 ± 9.0

MPV

977.2 ± 0.5

Sigma

5.557 ± 0.267

Run# 18103016

count

10

1

0

500

1000

1500

2000

2500

3000

3500

4000

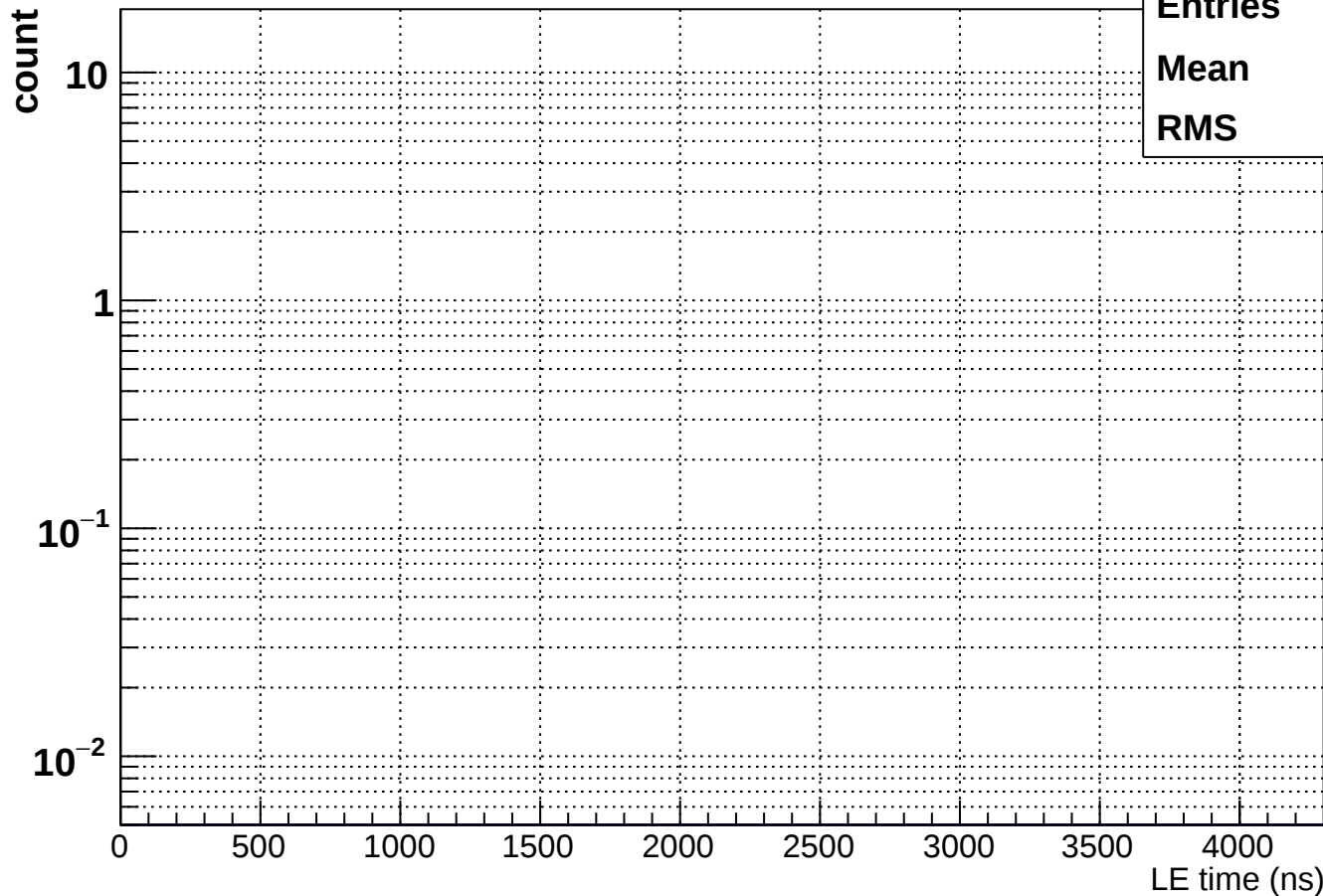
LE time (ns)

tray_le_44	
Entries	5689
Mean	994.5
RMS	532.3
χ^2 / ndf	147.2 / 58
Constant	177.4 ± 8.7
MPV	974.1 ± 0.4
Sigma	5.161 ± 0.215

Run# 18103016

tray_le_45

Entries	0
Mean	0
RMS	0



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Run# 18103016

count

10^2

10

1

0

500

1000

1500

2000

2500

3000

3500

4000

LE time (ns)

tray_le_46

Entries	5876
Mean	980.9
RMS	541.4
χ^2 / ndf	241.2 / 66
Constant	198.2 ± 10.7
MPV	968.6 ± 0.5
Sigma	4.68 ± 0.22

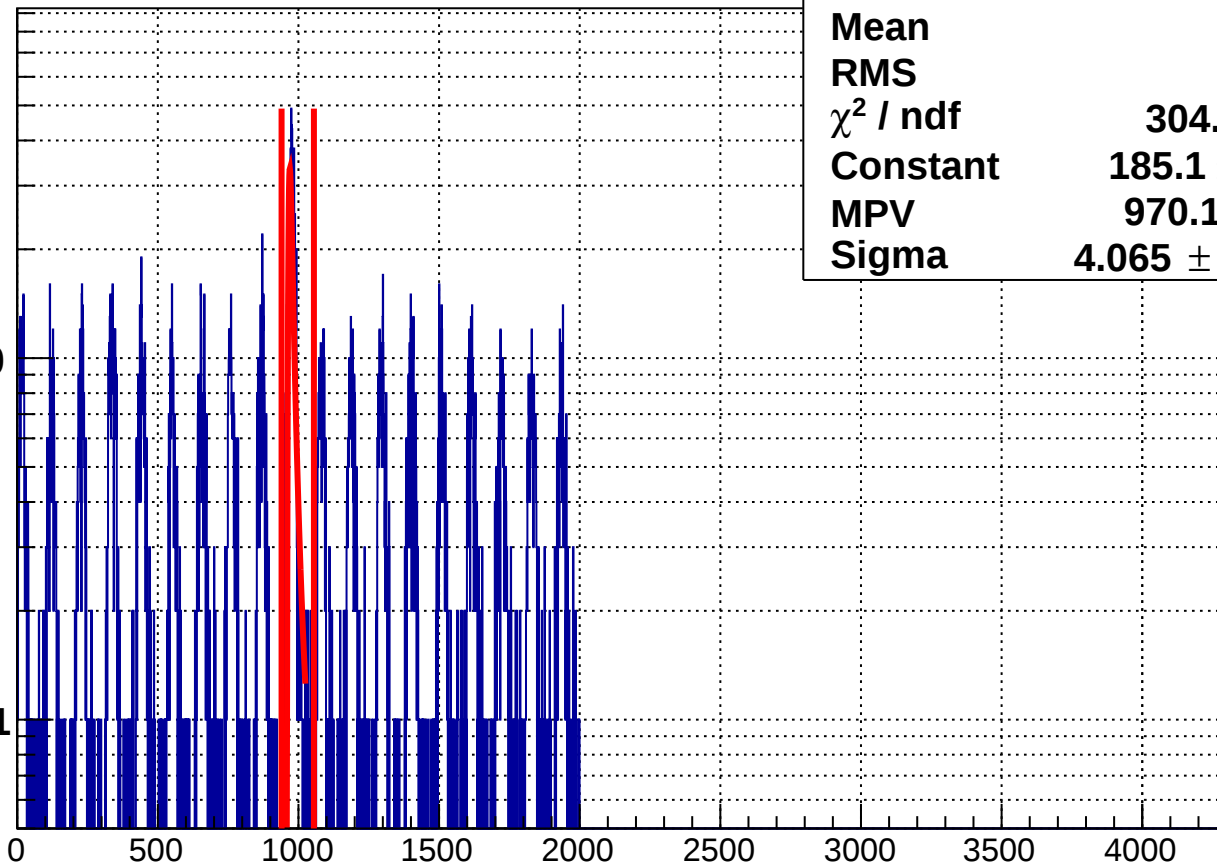
Thu Apr 13 14:03:47 2017

Run# 18103016

count

10

1



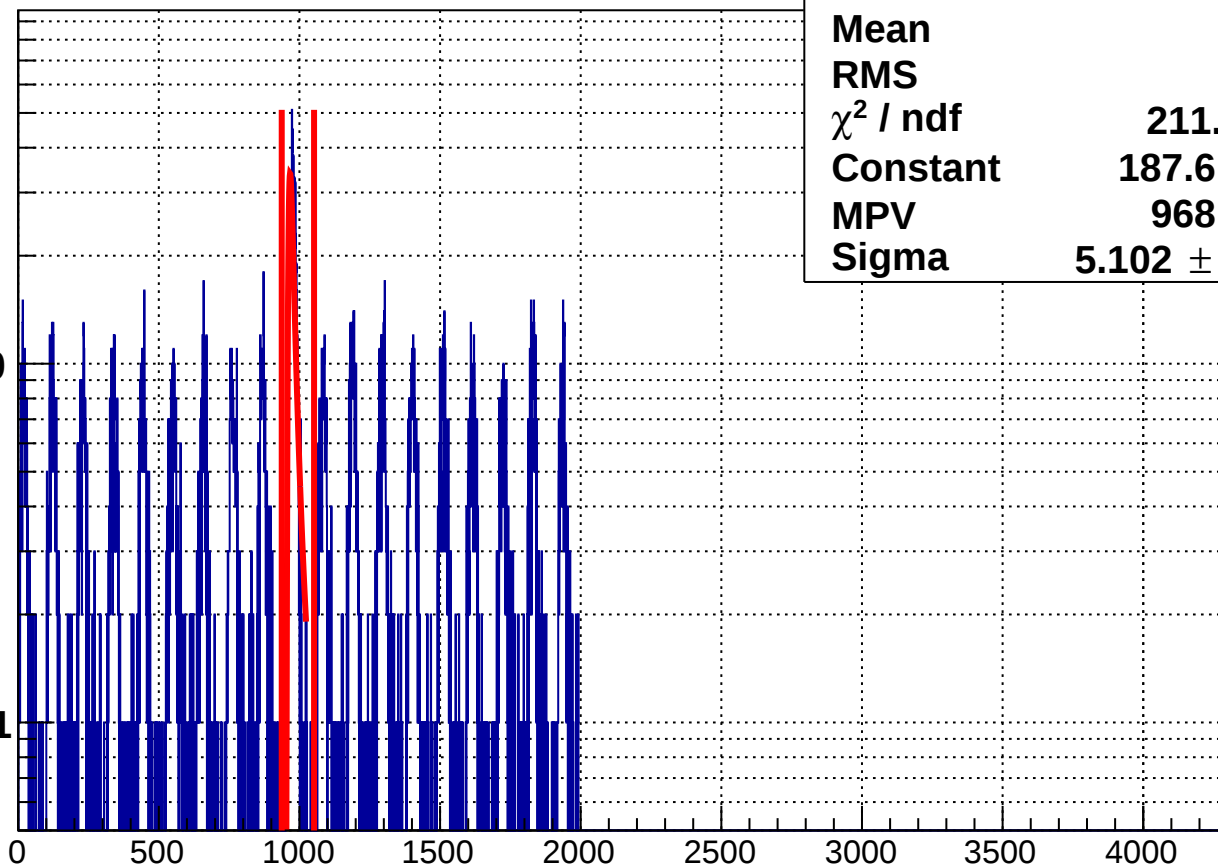
LE time (ns)

Run# 18103016

count

10

1



tray_le_48

Entries	5767
Mean	989.1
RMS	532.8
χ^2 / ndf	211.7 / 67
Constant	187.6 ± 9.0
MPV	968 ± 0.4
Sigma	5.102 ± 0.202

LE time (ns)

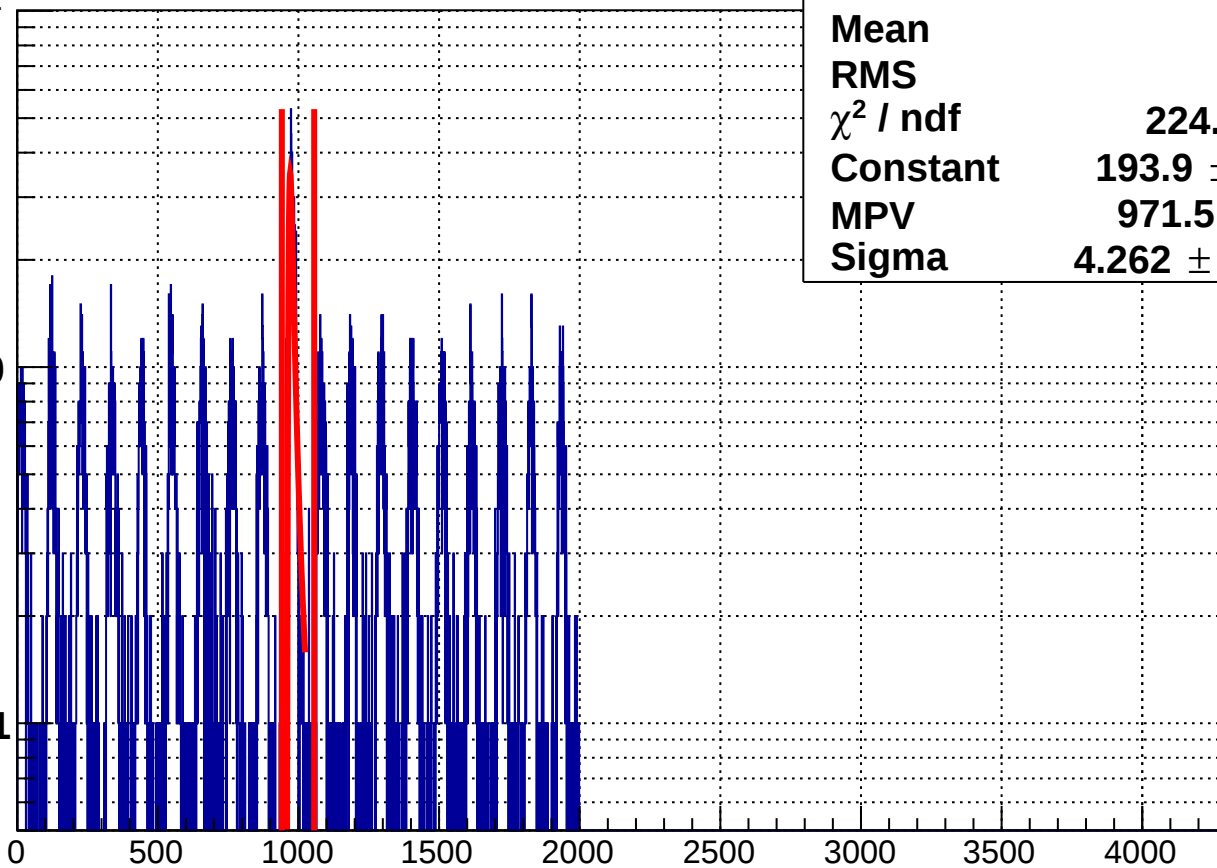
Run# 18103016

count

10^2

10

1



tray_le_49

Entries	5788
Mean	959.9
RMS	539.8
χ^2 / ndf	224.7 / 69
Constant	193.9 ± 12.4
MPV	971.5 ± 0.5
Sigma	4.262 ± 0.254

LE time (ns)

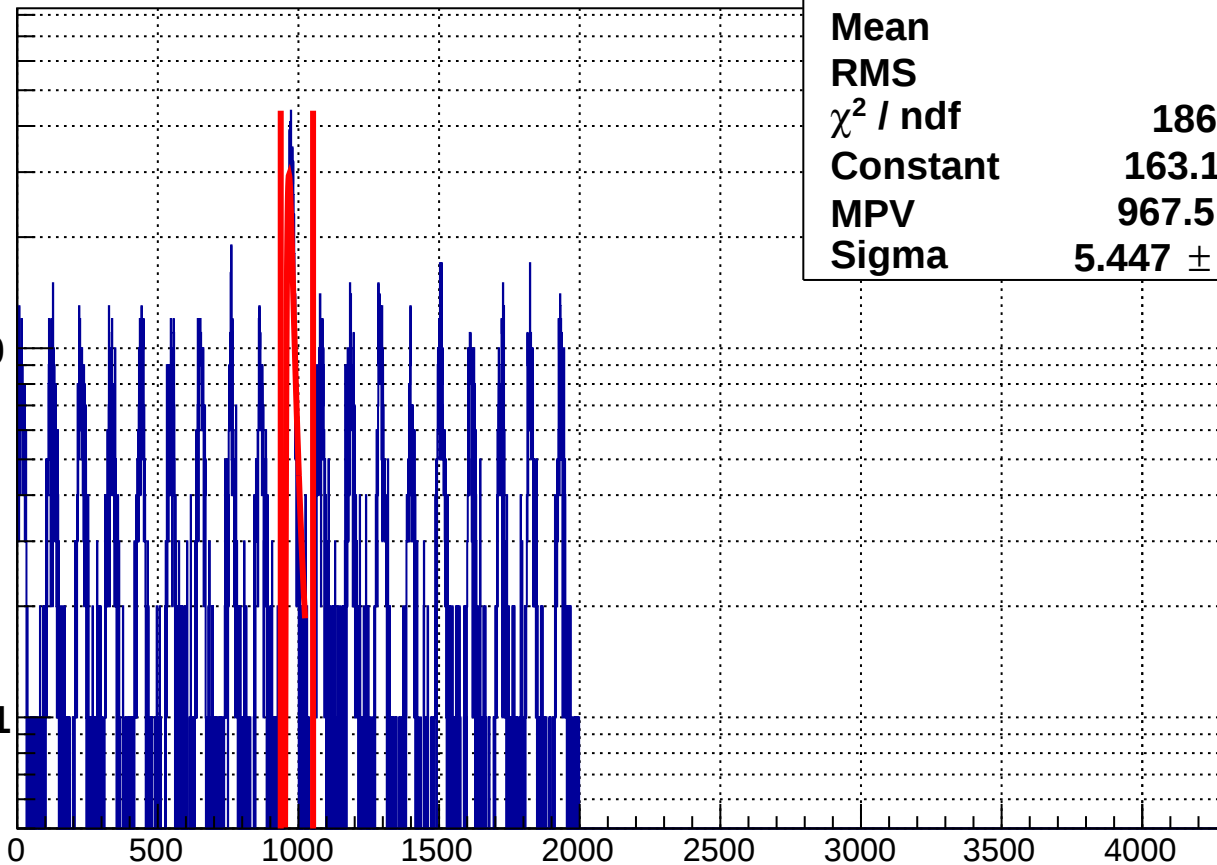
Run# 18103016

tray_le_50

count

10

1



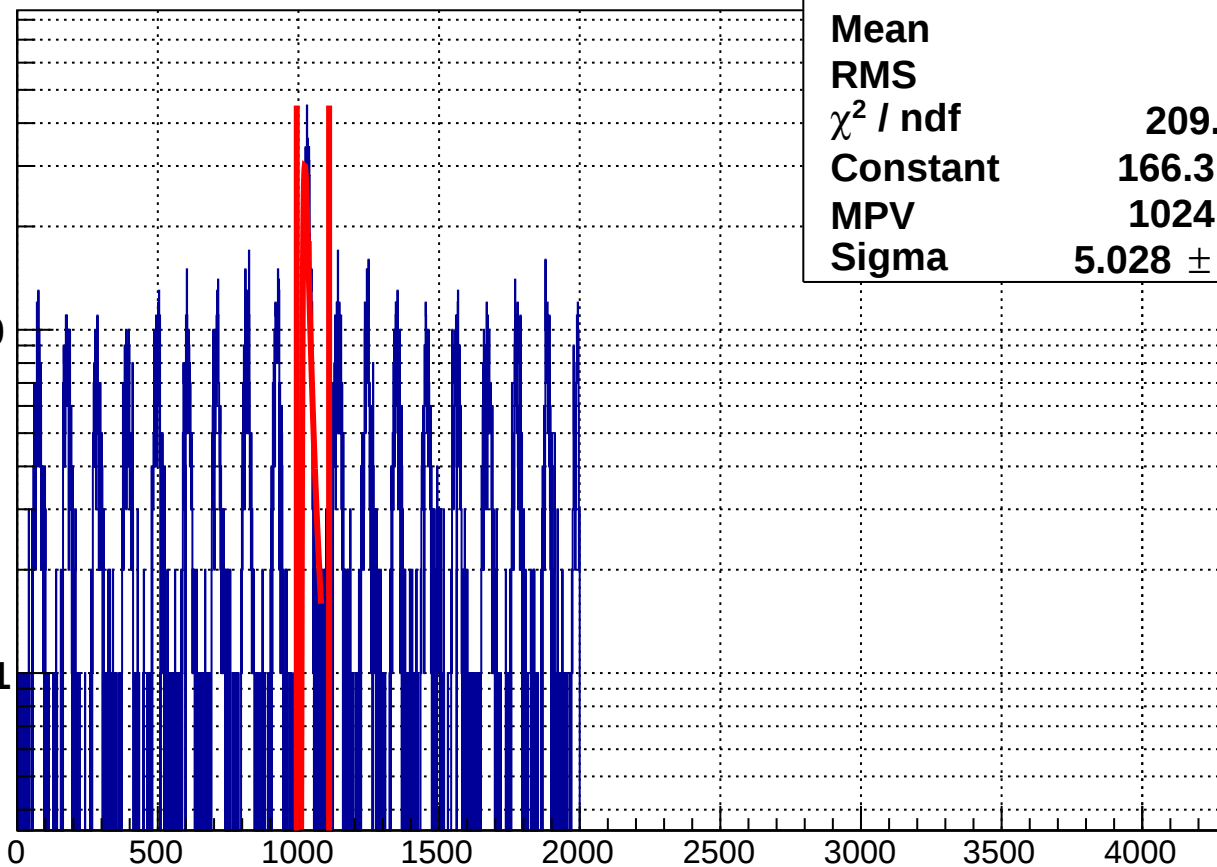
Entries	5607
Mean	970.8
RMS	538.2
χ^2 / ndf	186.6 / 71
Constant	163.1 ± 8.9
MPV	967.5 ± 0.5
Sigma	5.447 ± 0.262

Run# 18103016

count

10

1



LE time (ns)

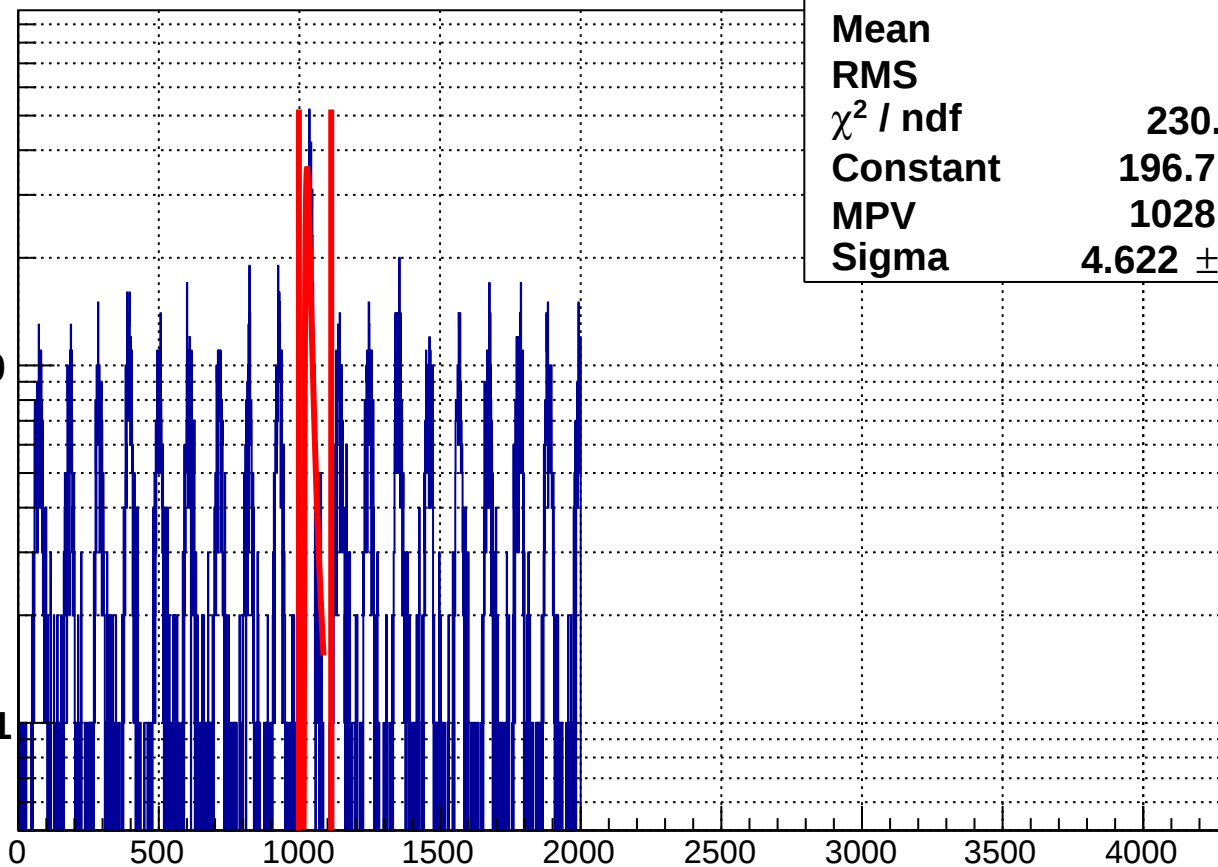
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Run# 18103016

count

10

1



tray_le_52

Entries	5797
Mean	1026
RMS	527
χ^2 / ndf	230.1 / 69
Constant	196.7 ± 9.3
MPV	1028 ± 0.4
Sigma	4.622 ± 0.171

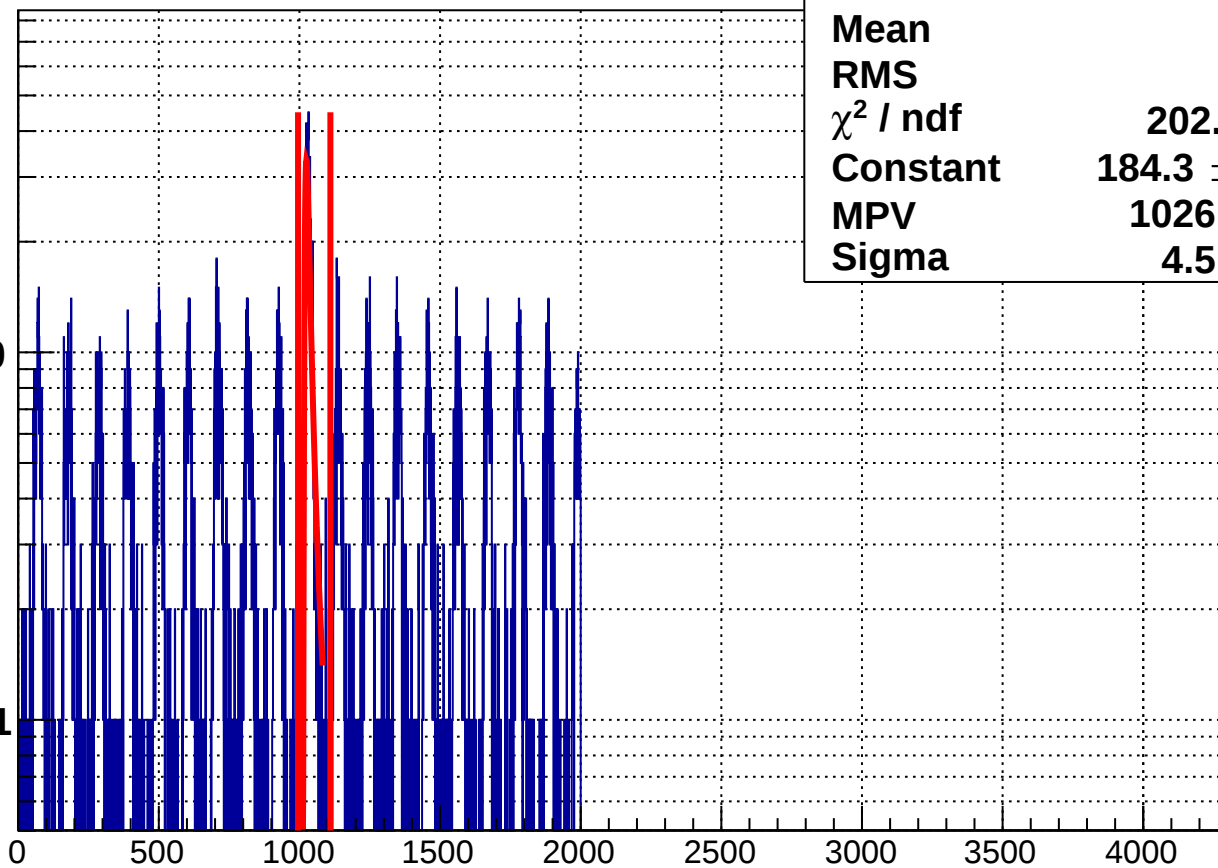
Run# 18103016

tray_le_53

count

10

1



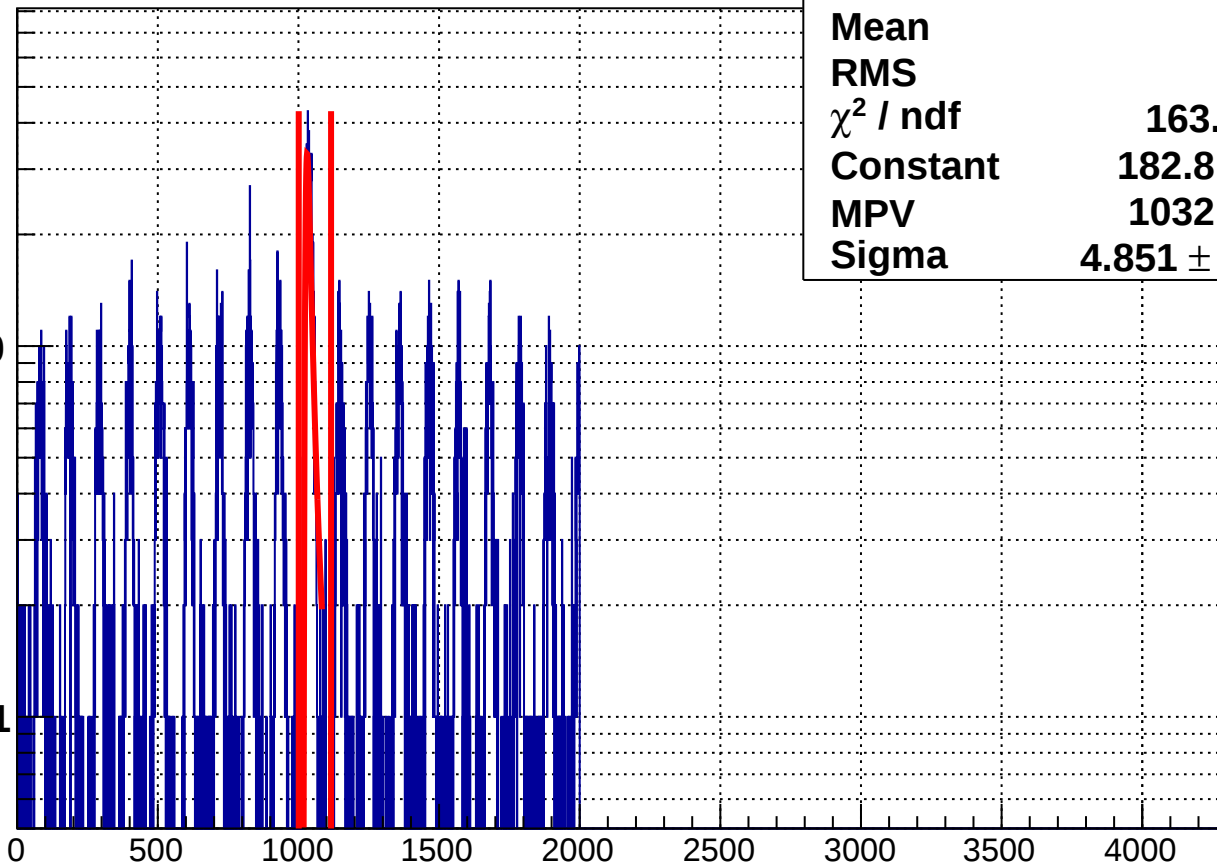
Entries	5746
Mean	1009
RMS	534.4
χ^2 / ndf	202.7 / 70
Constant	184.3 ± 11.2
MPV	1026 ± 0.4
Sigma	4.5 ± 0.2

Run# 18103016

count

10

1



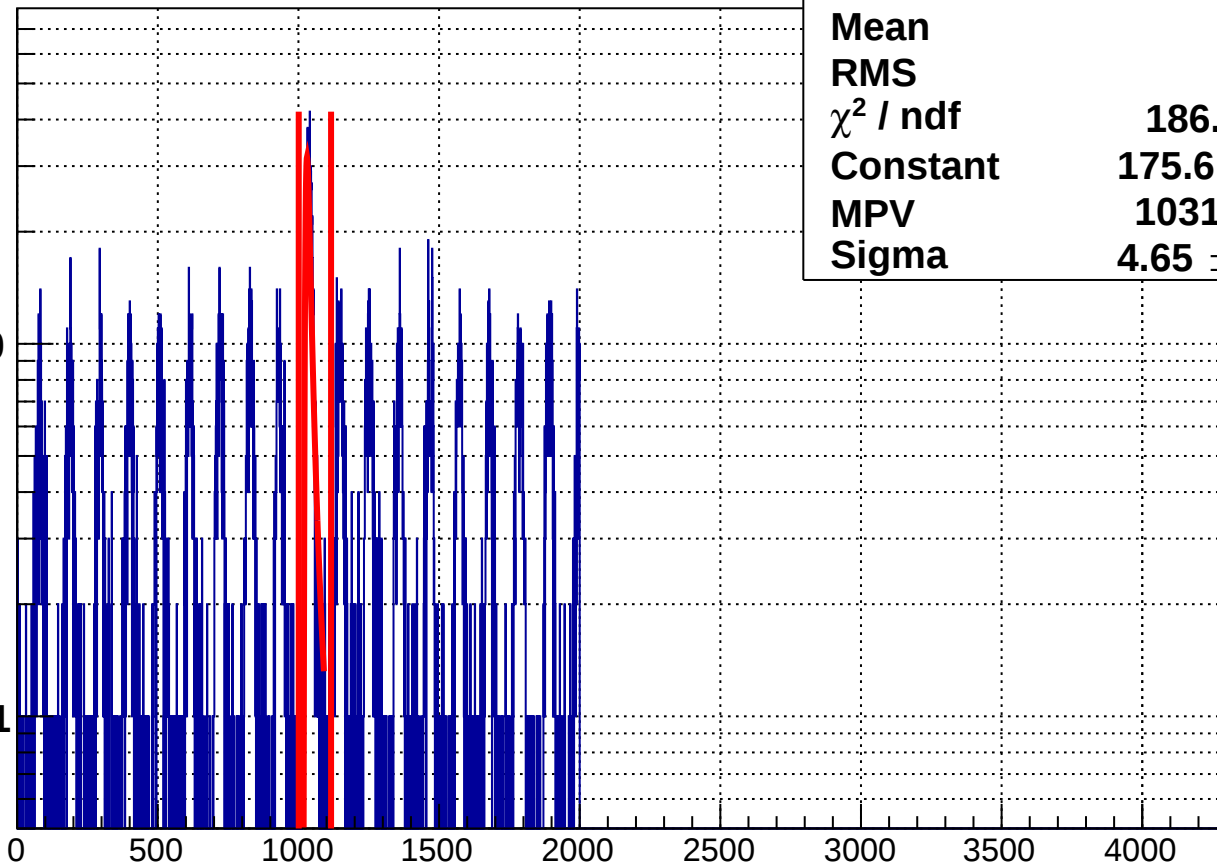
LE time (ns)

Run# 18103016

count

10

1



tray_le_55

Entries	5686
Mean	1028
RMS	522.3
χ^2 / ndf	186.9 / 75
Constant	175.6 ± 8.9
MPV	1031 ± 0.4
Sigma	4.65 ± 0.18

LE time (ns)

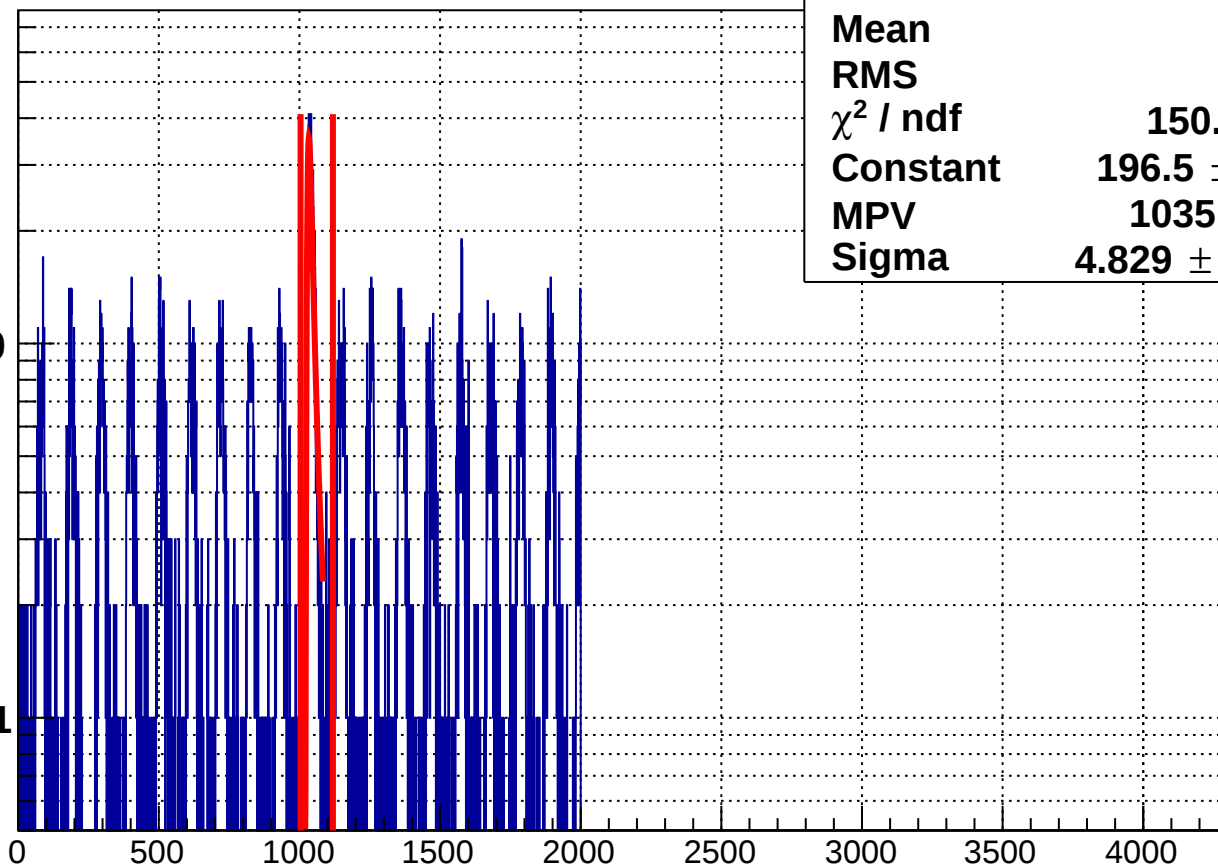
Run# 18103016

tray_le_56

count

10

1



Entries	5682
Mean	1010
RMS	522.1
χ^2 / ndf	150.1 / 66
Constant	196.5 ± 10.6
MPV	1035 ± 0.4
Sigma	4.829 ± 0.236

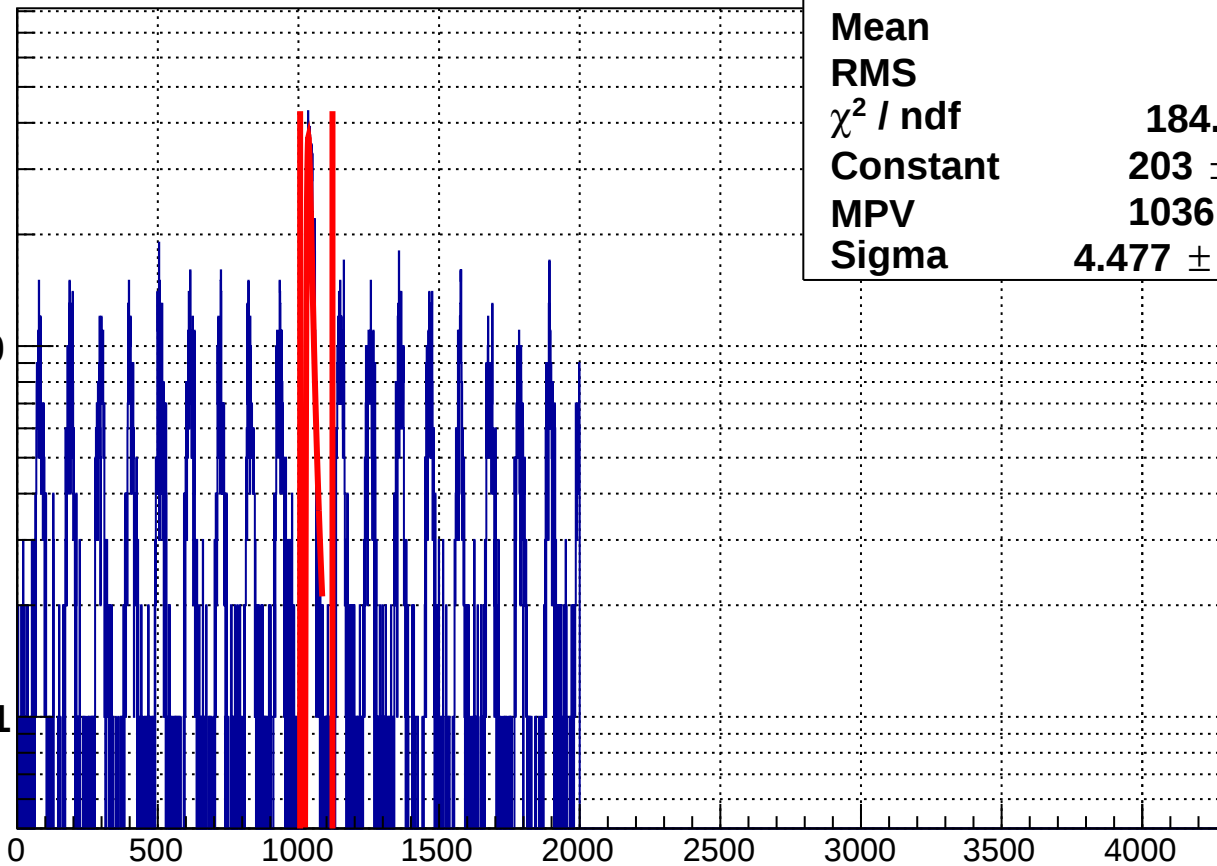
Run# 18103016

tray_le_57

count

10

1



Entries

5795

Mean

1006

RMS

521.2

χ^2 / ndf

184.7 / 65

Constant

203 ± 10.5

MPV

1036 ± 0.4

Sigma

4.477 ± 0.198

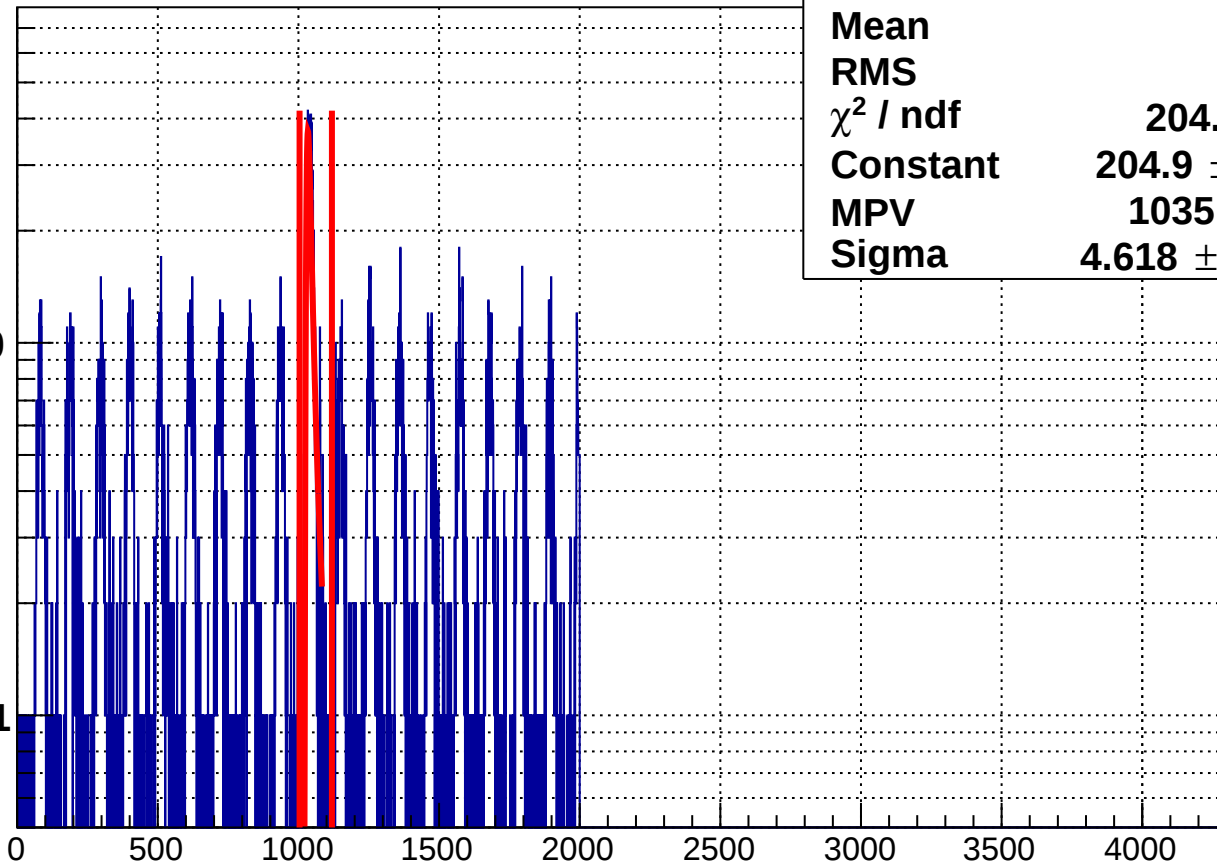
Run# 18103016

tray_le_58

count

10

1



Entries	5760
Mean	1013
RMS	520.3
χ^2 / ndf	204.1 / 65
Constant	204.9 ± 10.5
MPV	1035 ± 0.4
Sigma	4.618 ± 0.201

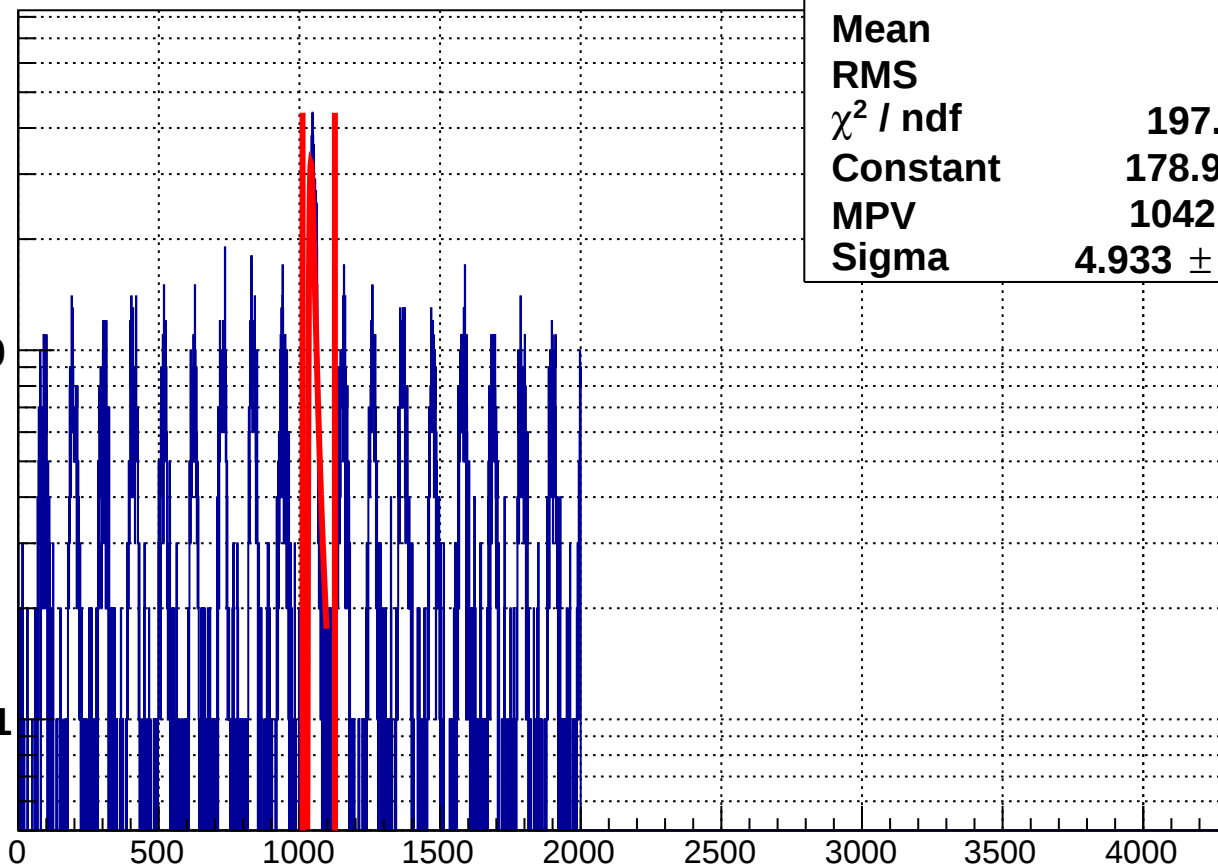
Run# 18103016

tray_le_59

count

10

1



Entries	5759
Mean	1026
RMS	516.2
χ^2 / ndf	197.2 / 68
Constant	178.9 ± 9.1
MPV	1042 ± 0.4
Sigma	4.933 ± 0.212

Run# 18103016

count

10^2

10

1

0 500 1000 1500 2000 2500 3000 3500 4000

LE time (ns)

tray_le_60	
Entries	5586
Mean	1015
RMS	520
χ^2 / ndf	204.7 / 66
Constant	193.9 ± 10.3
MPV	1043 ± 0.4
Sigma	4.796 ± 0.223

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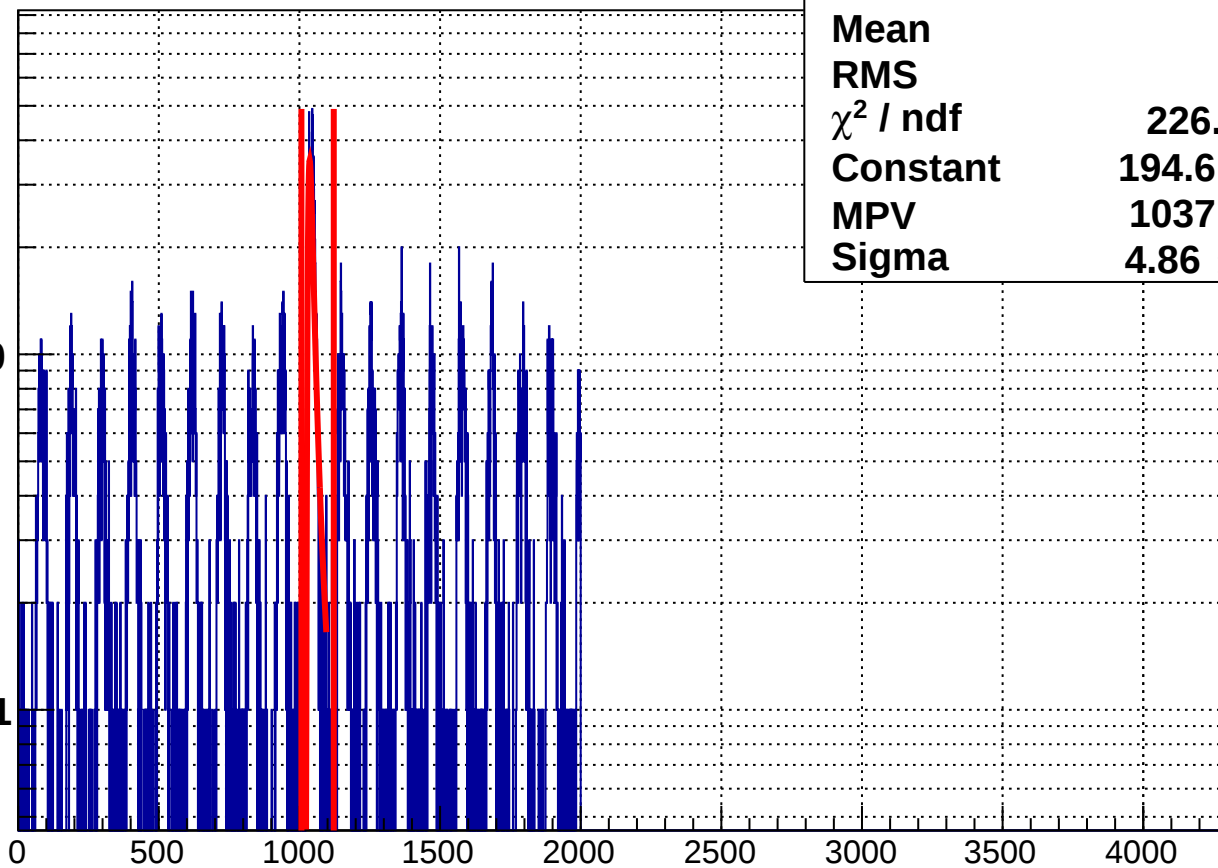
Run# 18103016

tray_le_61

count

10

1



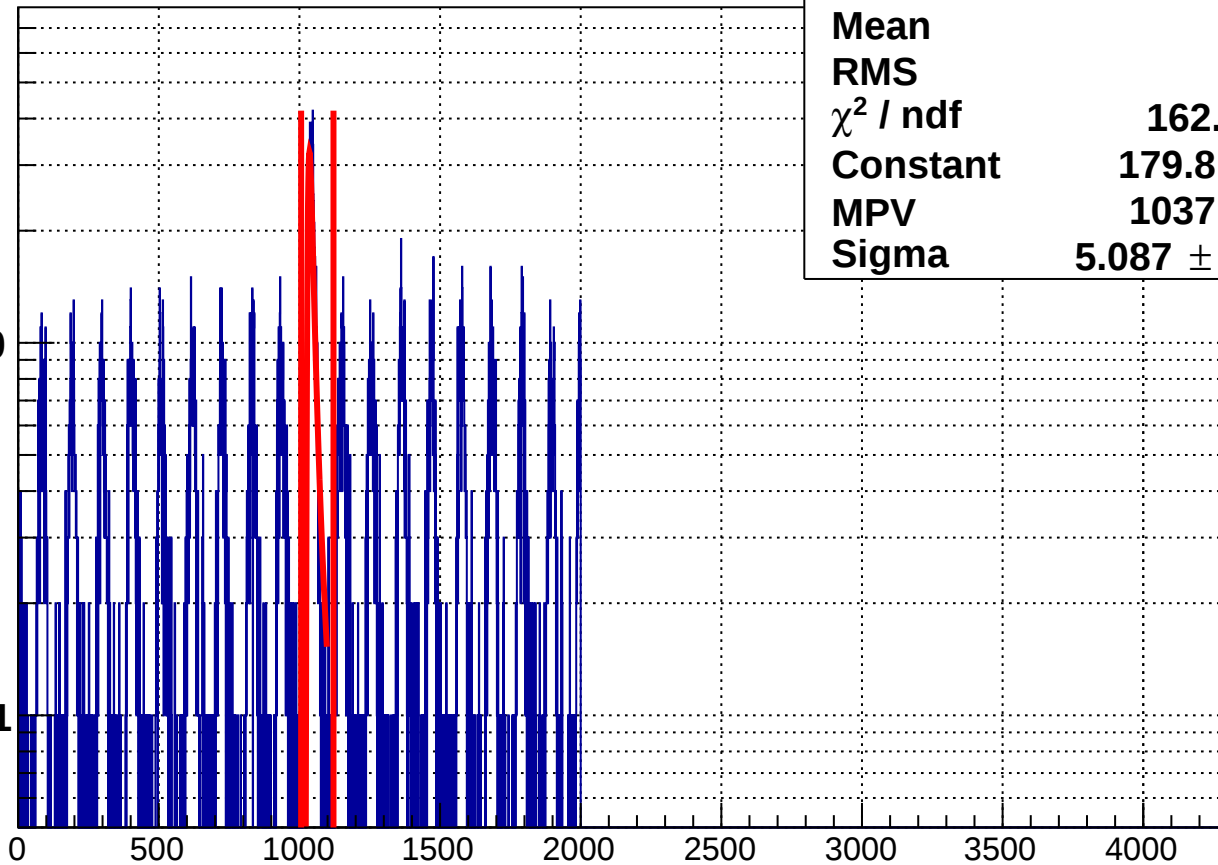
LE time (ns)

Run# 18103016

count

10

1



tray_le_62

Entries	5647
Mean	1032
RMS	524.2
χ^2 / ndf	162.5 / 73
Constant	179.8 ± 9.4
MPV	1037 ± 0.4
Sigma	5.087 ± 0.230

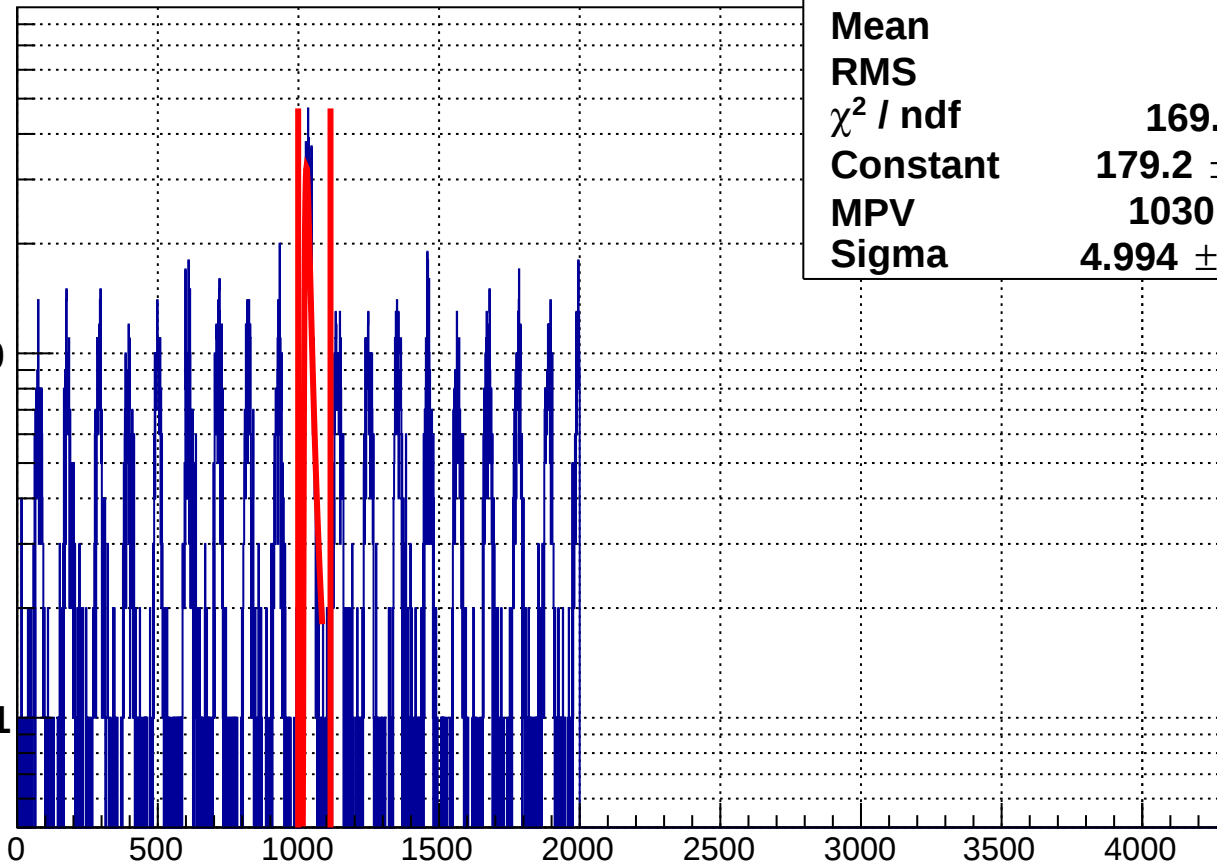
Run# 18103016

tray_le_63

count

10

1



Entries	5865
Mean	1039
RMS	534.4
χ^2 / ndf	169.7 / 60
Constant	179.2 ± 10.4
MPV	1030 ± 0.4
Sigma	4.994 ± 0.271

LE time (ns)

Run# 18103016

tray_le_64

count

10

1

0

500

1000

1500

2000

2500

3000

3500

4000

LE time (ns)

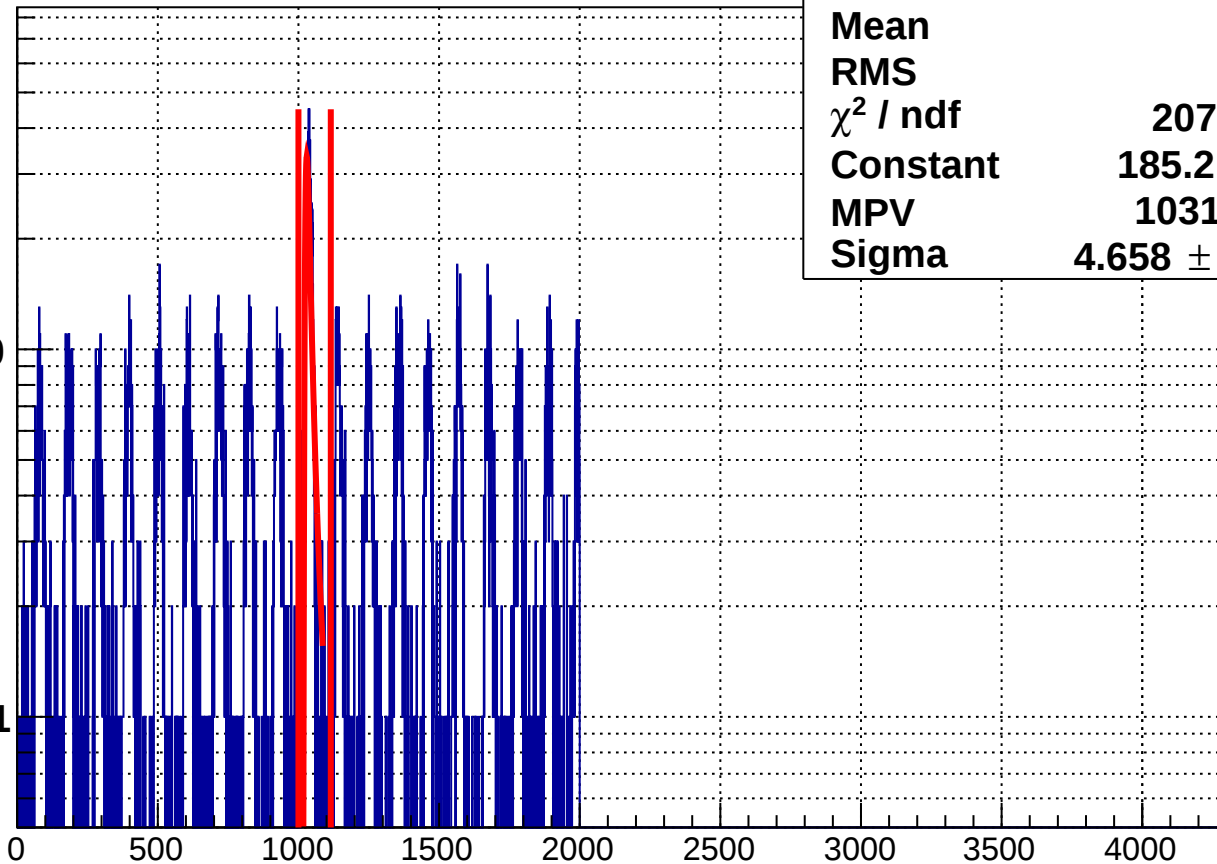
Entries	5701
Mean	1031
RMS	522.4
χ^2 / ndf	181.8 / 68
Constant	179 ± 8.9
MPV	1029 ± 0.4
Sigma	5.254 ± 0.224

Run# 18103016

count

10

1



tray_le_65

Entries	5679
Mean	1016
RMS	530
χ^2 / ndf	207.5 / 61
Constant	185.2 ± 9.8
MPV	1031 ± 0.4
Sigma	4.658 ± 0.212

LE time (ns)

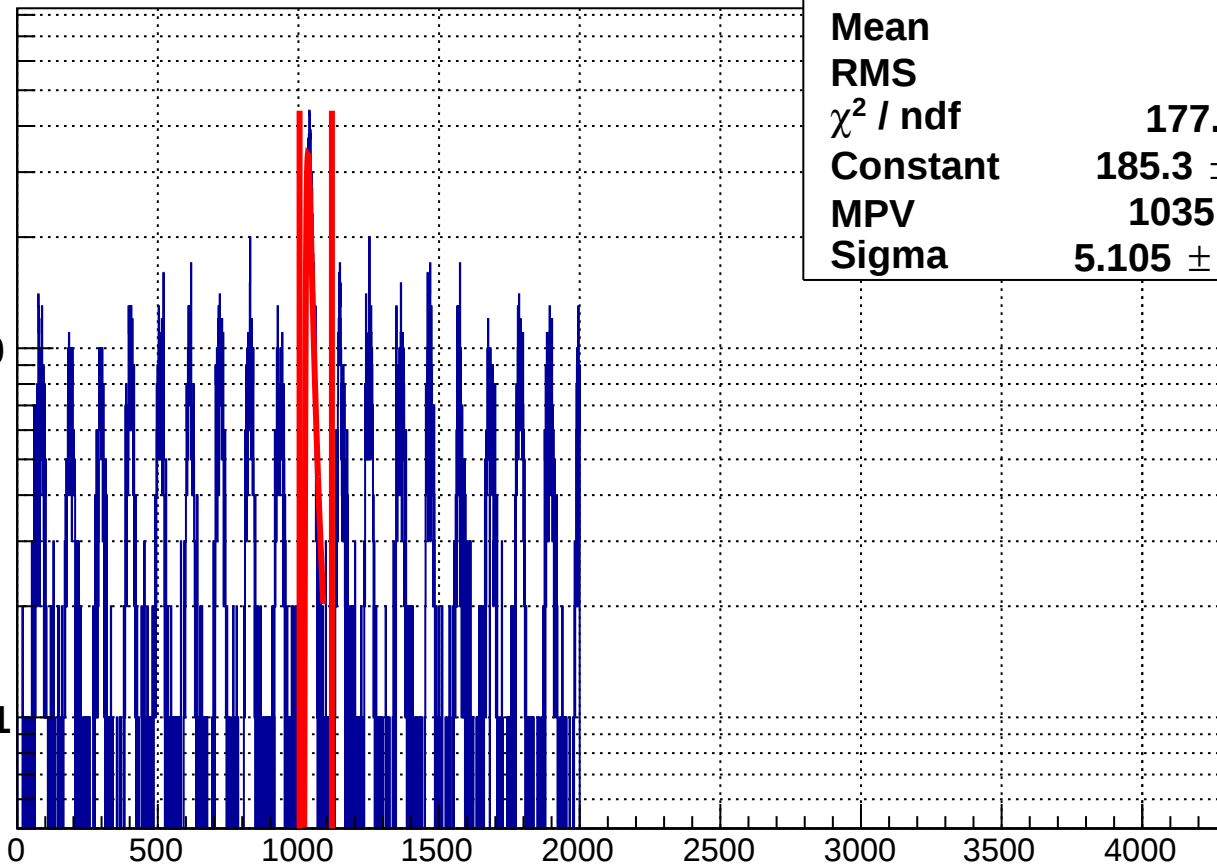
Run# 18103016

tray_le_66

count

10

1



tray_le_66	
Entries	5763
Mean	1012
RMS	522.2
χ^2 / ndf	177.6 / 62
Constant	185.3 ± 10.4
MPV	1035 ± 0.5
Sigma	5.105 ± 0.263

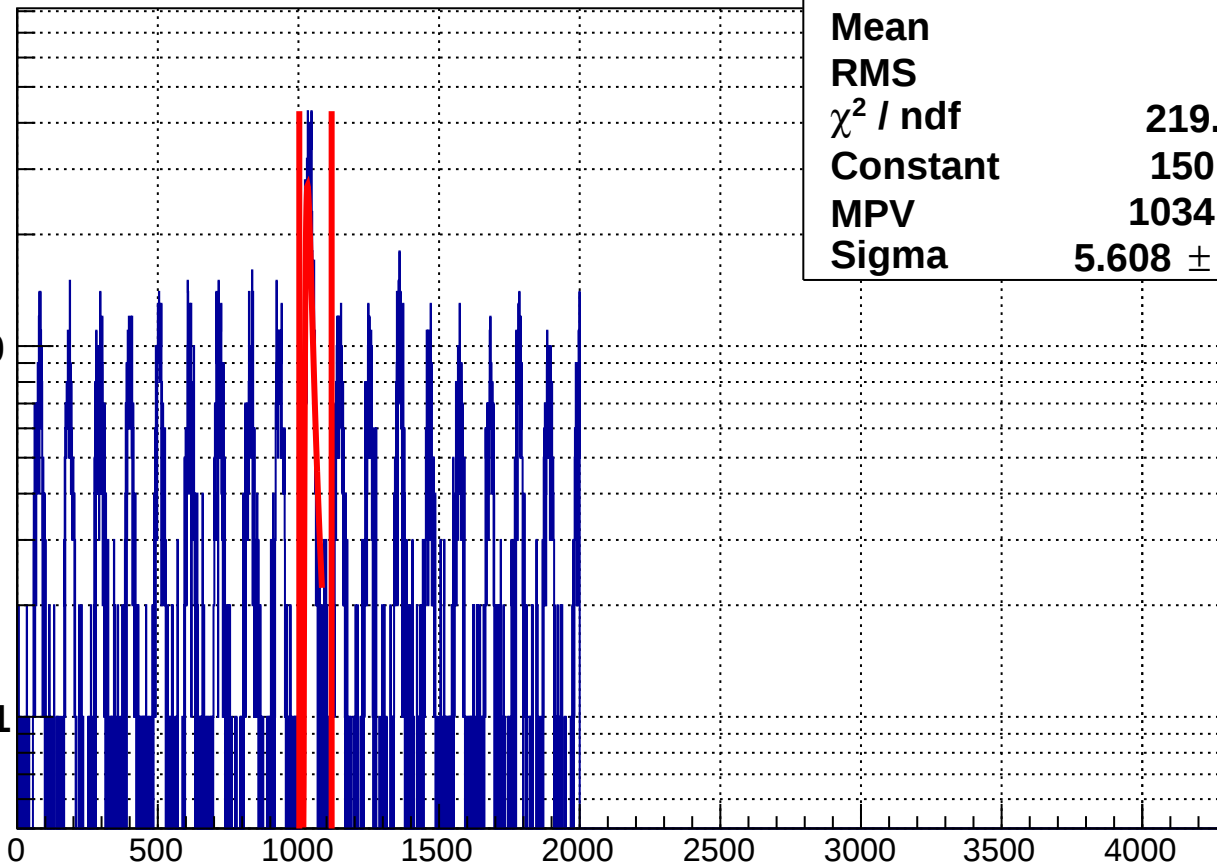
Run# 18103016

tray_le_67

count

10

1



Entries

5640

Mean

998.9

RMS

525.8

χ^2 / ndf

219.7 / 66

Constant

150 ± 7.8

MPV

1034 ± 0.5

Sigma

5.608 ± 0.248

Run# 18103016

count

10^2

10

1

0

500

1000

1500

2000

2500

3000

3500

4000

LE time (ns)

Entries

5846

Mean

1018

RMS

518

χ^2 / ndf

205.1 / 65

Constant

197.4 ± 8.9

MPV

1034 ± 0.4

Sigma

5.283 ± 0.195

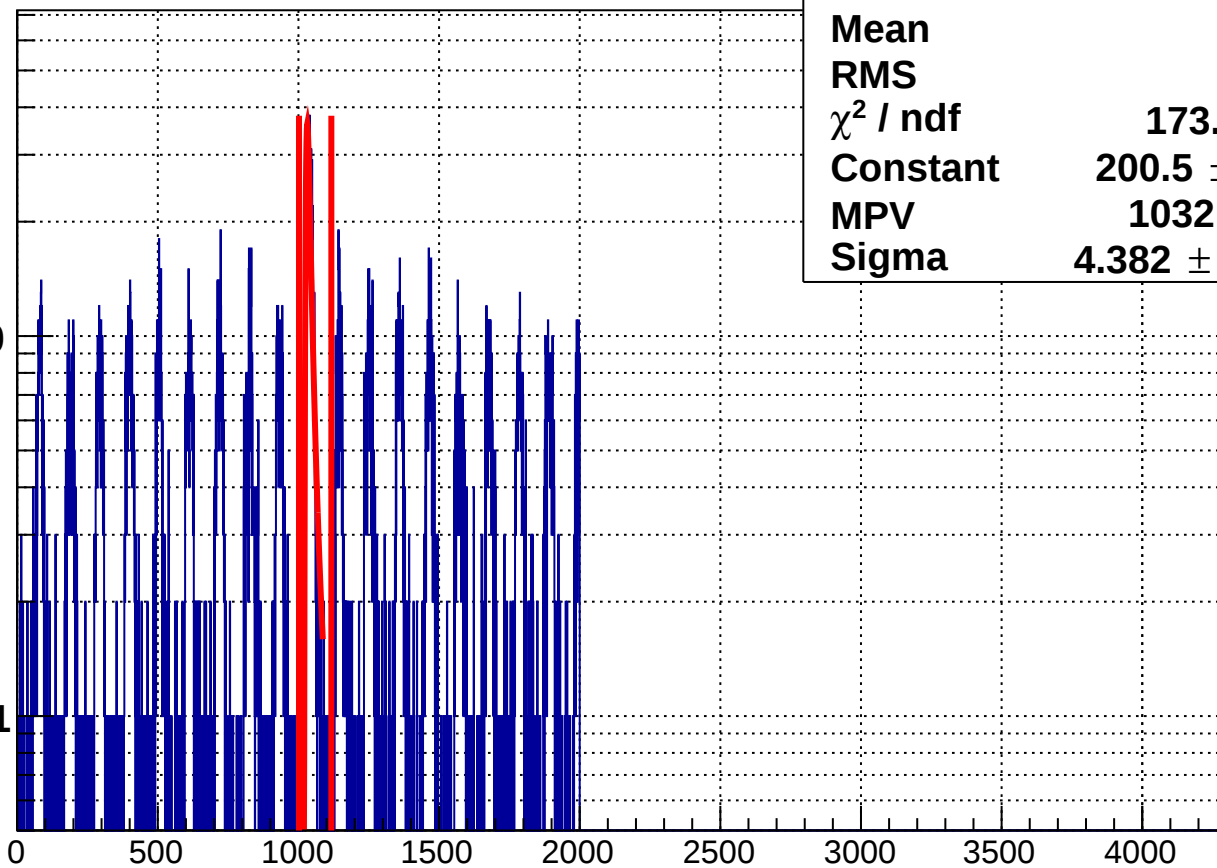
tray_le_68

Run# 18103016

count

10

1



tray_le_69

Entries	5647
Mean	1019
RMS	524
χ^2 / ndf	173.3 / 68
Constant	200.5 ± 11.2
MPV	1032 ± 0.4
Sigma	4.382 ± 0.213

LE time (ns)

Run# 18103016

count

10^2

10

1

0

500

1000

1500

2000

2500

3000

3500

4000

LE time (ns)

Entries

5676

Mean

998

RMS

521.9

χ^2 / ndf

215.2 / 79

Constant

215.8 ± 9.9

MPV

1034 ± 0.4

Sigma

4.638 ± 0.167

tray_le_70

Run# 18103016

count

10

1

0

500

1000

1500

2000

2500

3000

3500

4000

LE time (ns)

Entries

5152

Mean

1022

RMS

515.8

χ^2 / ndf

190.1 / 69

Constant

176.7 ± 10.1

MPV

1034 ± 0.4

Sigma

4.284 ± 0.208

tray_le_71

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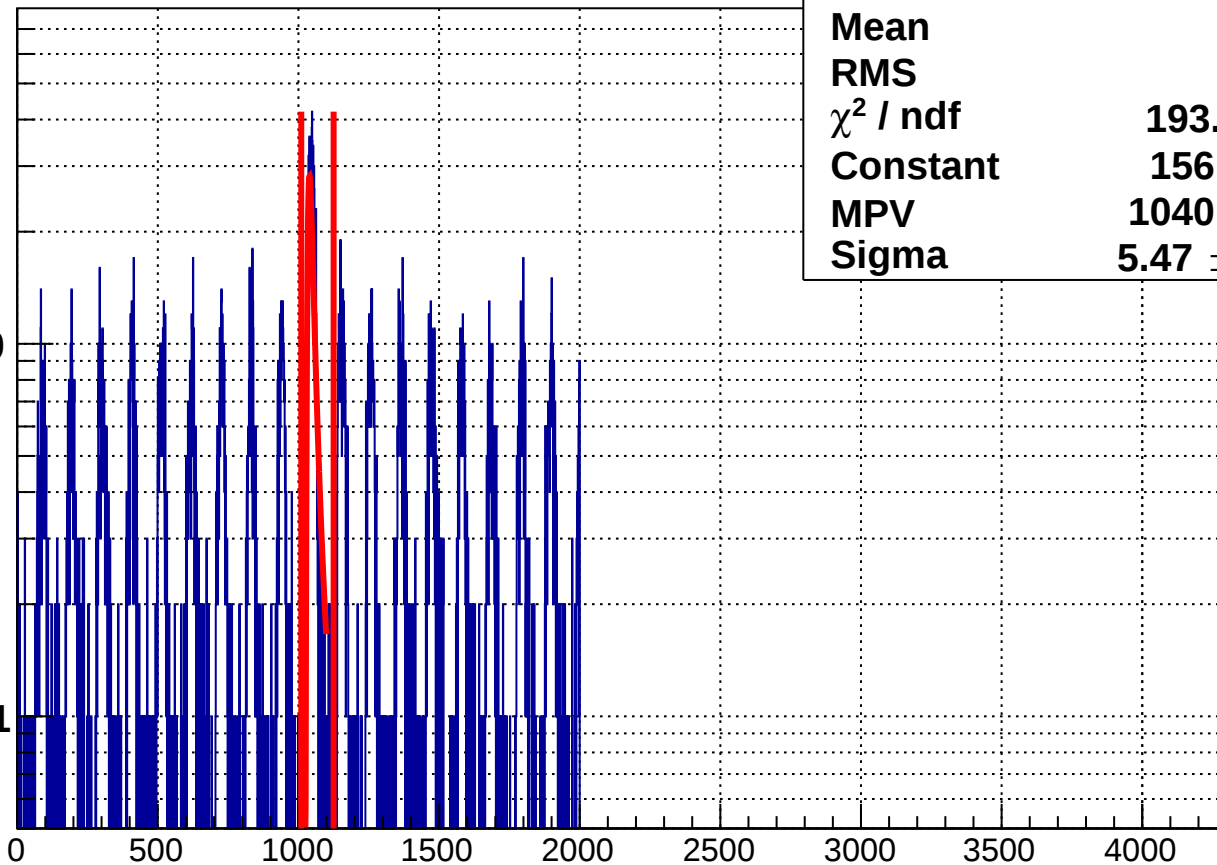
Run# 18103016

tray_le_72

count

10

1



Entries	5435
Mean	1015
RMS	511.9
χ^2 / ndf	193.1 / 69
Constant	156 ± 8.2
MPV	1040 ± 0.5
Sigma	5.47 ± 0.25

Run# 18103016

count

10

1

0

500

1000

1500

2000

2500

3000

3500

4000

LE time (ns)

Entries

5511

Mean

1029

RMS

521.1

χ^2 / ndf

166.3 / 69

Constant

170.8 ± 8.8

MPV

1043 ± 0.4

Sigma

5.057 ± 0.217

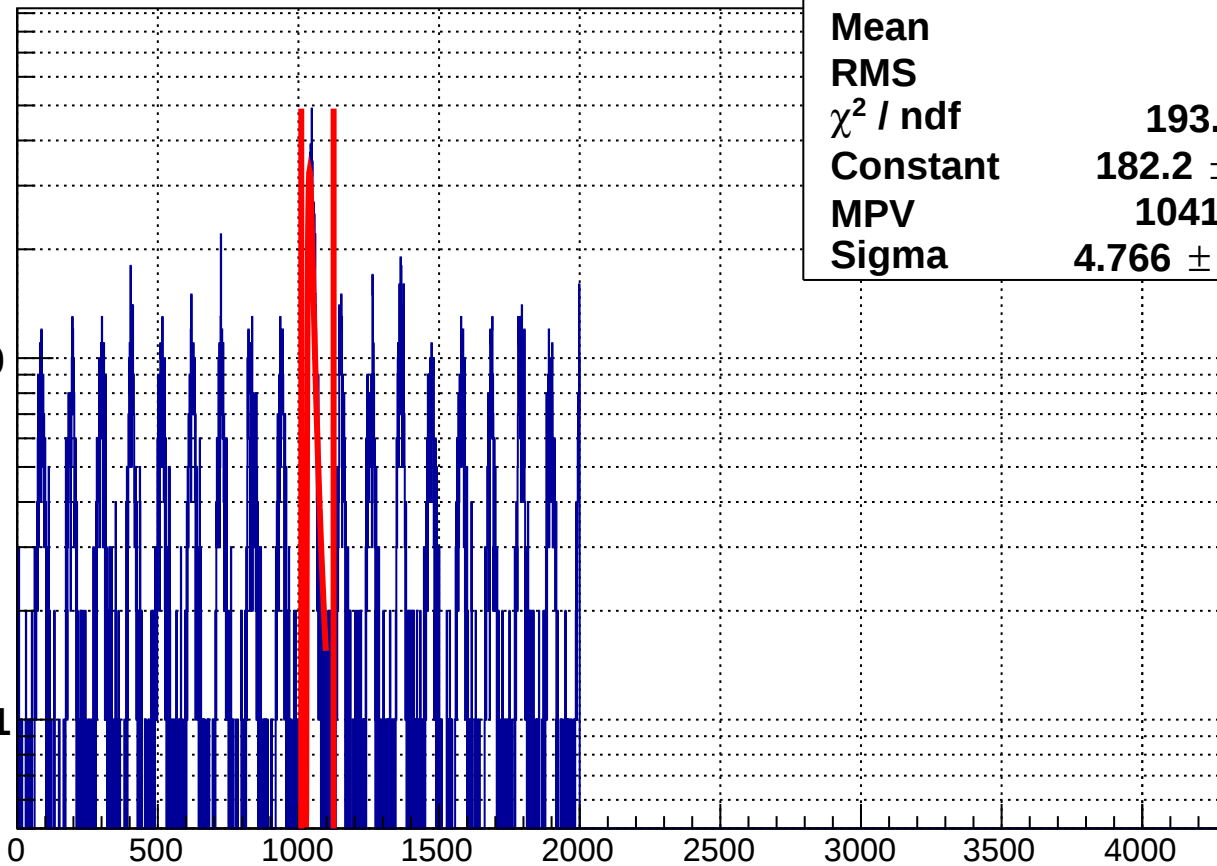
tray_le_73

Run# 18103016

count

10

1



tray_le_74

Entries	5550
Mean	1010
RMS	518
χ^2 / ndf	193.2 / 67
Constant	182.2 ± 10.7
MPV	1041 ± 0.4
Sigma	4.766 ± 0.256

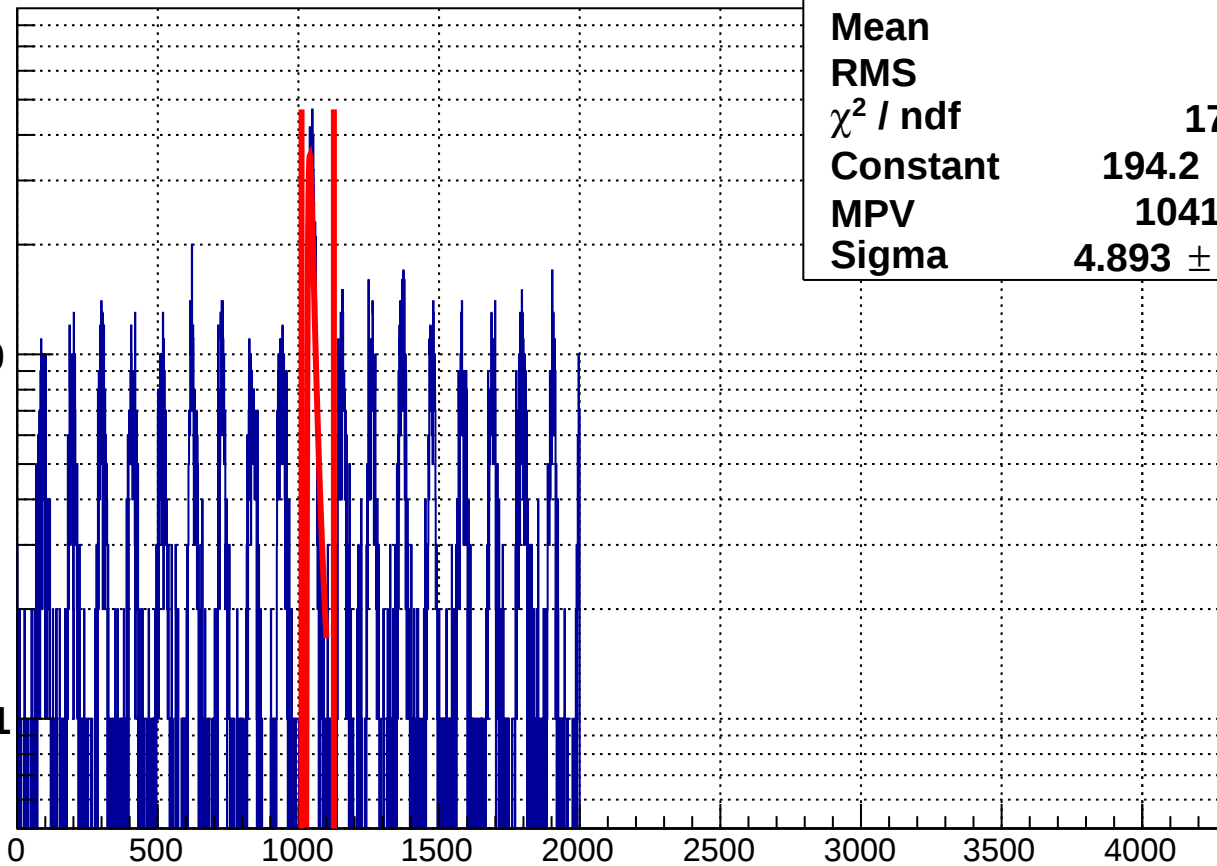
LE time (ns)

Run# 18103016

count

10

1



tray_le_75

Entries	5819
Mean	1028
RMS	516.9
χ^2 / ndf	170 / 71
Constant	194.2 ± 10.1
MPV	1041 ± 0.4
Sigma	4.893 ± 0.223

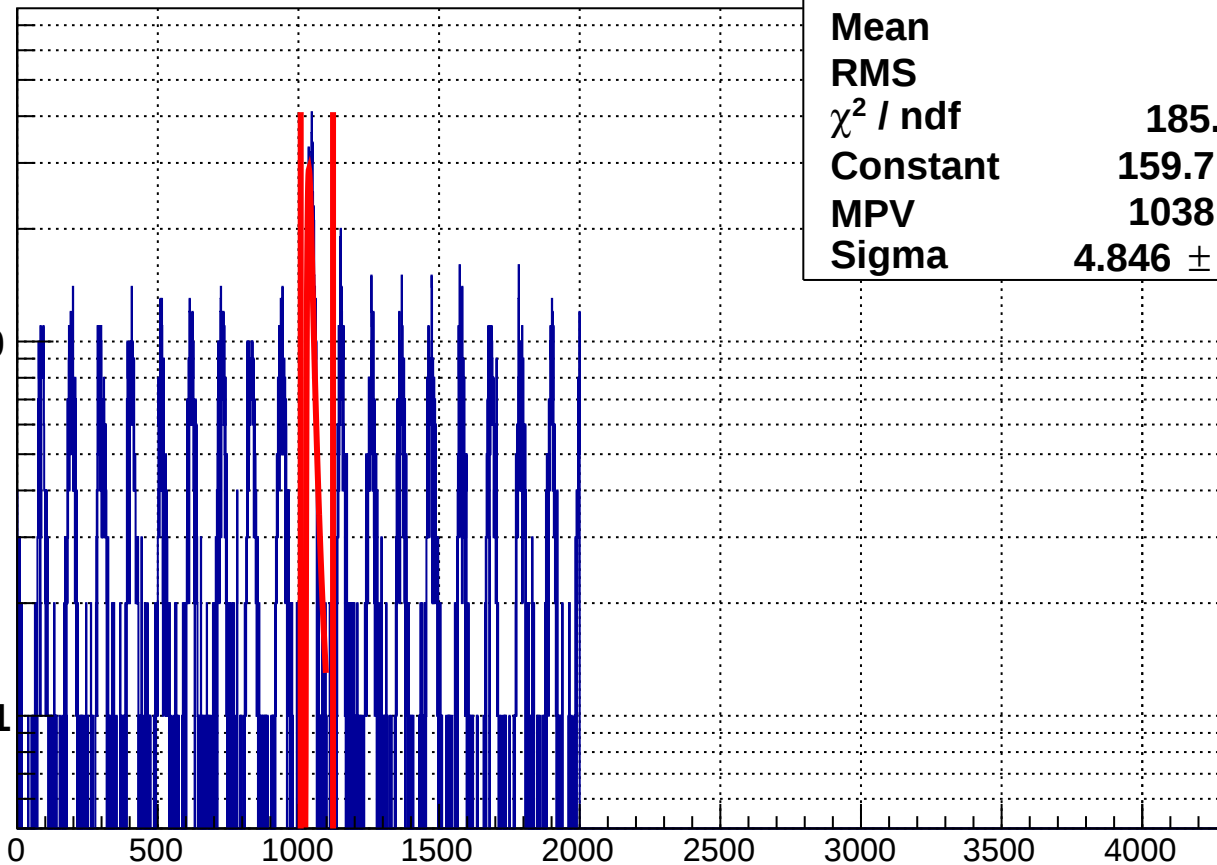
LE time (ns)

Run# 18103016

count

10

1



tray_le_76

Entries	5187
Mean	1002
RMS	520
χ^2 / ndf	185.4 / 63
Constant	159.7 ± 8.7
MPV	1038 ± 0.5
Sigma	4.846 ± 0.218

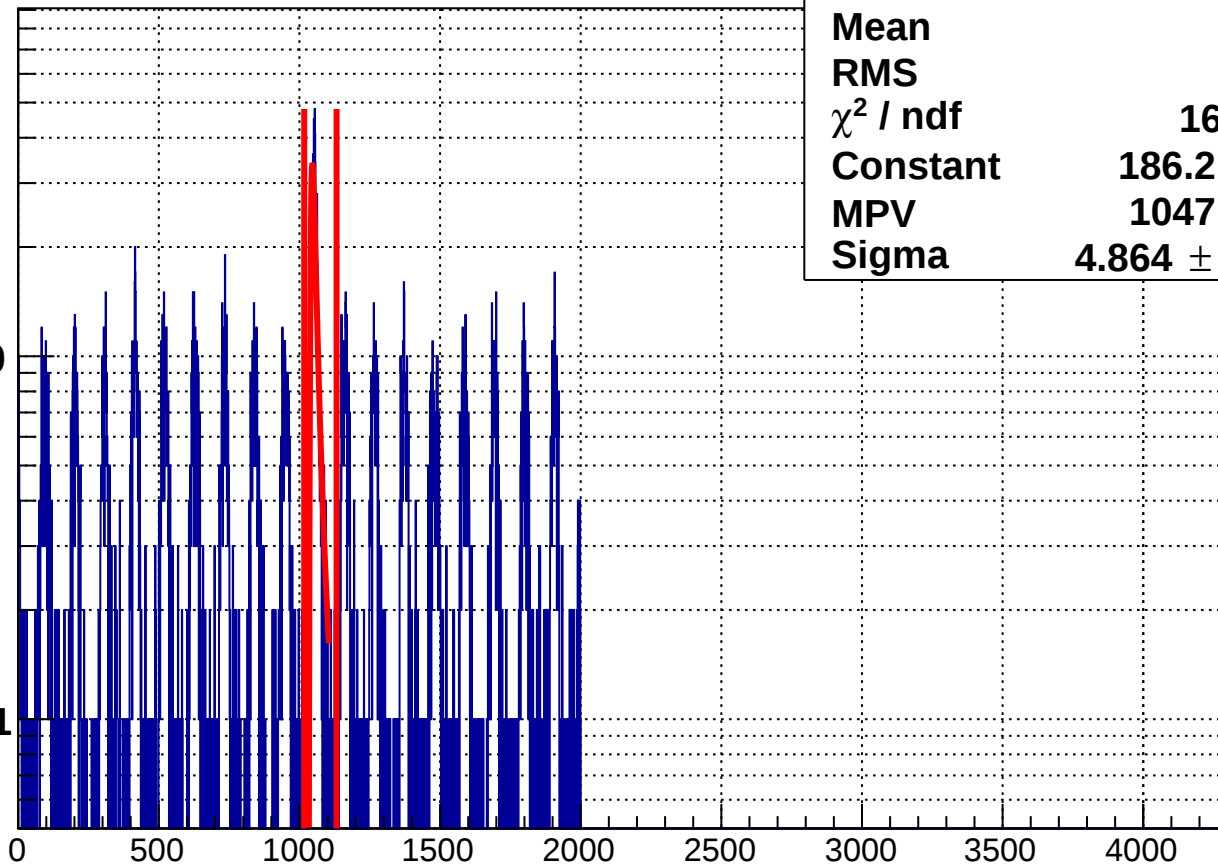
Run# 18103016

tray_le_77

count

10

1



Entries	5638
Mean	994.6
RMS	517.5
χ^2 / ndf	161 / 69
Constant	186.2 ± 9.8
MPV	1047 ± 0.4
Sigma	4.864 ± 0.220

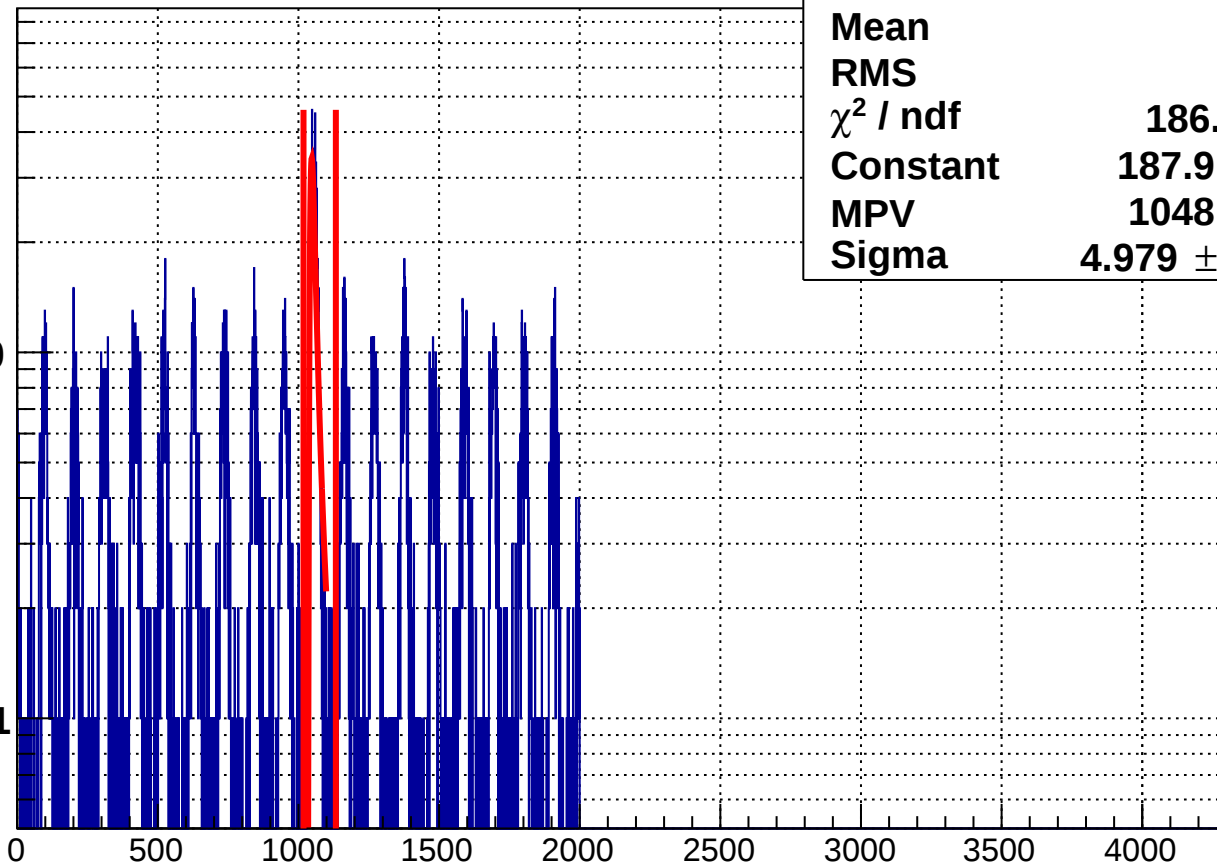
Run# 18103016

tray_le_78

count

10

1



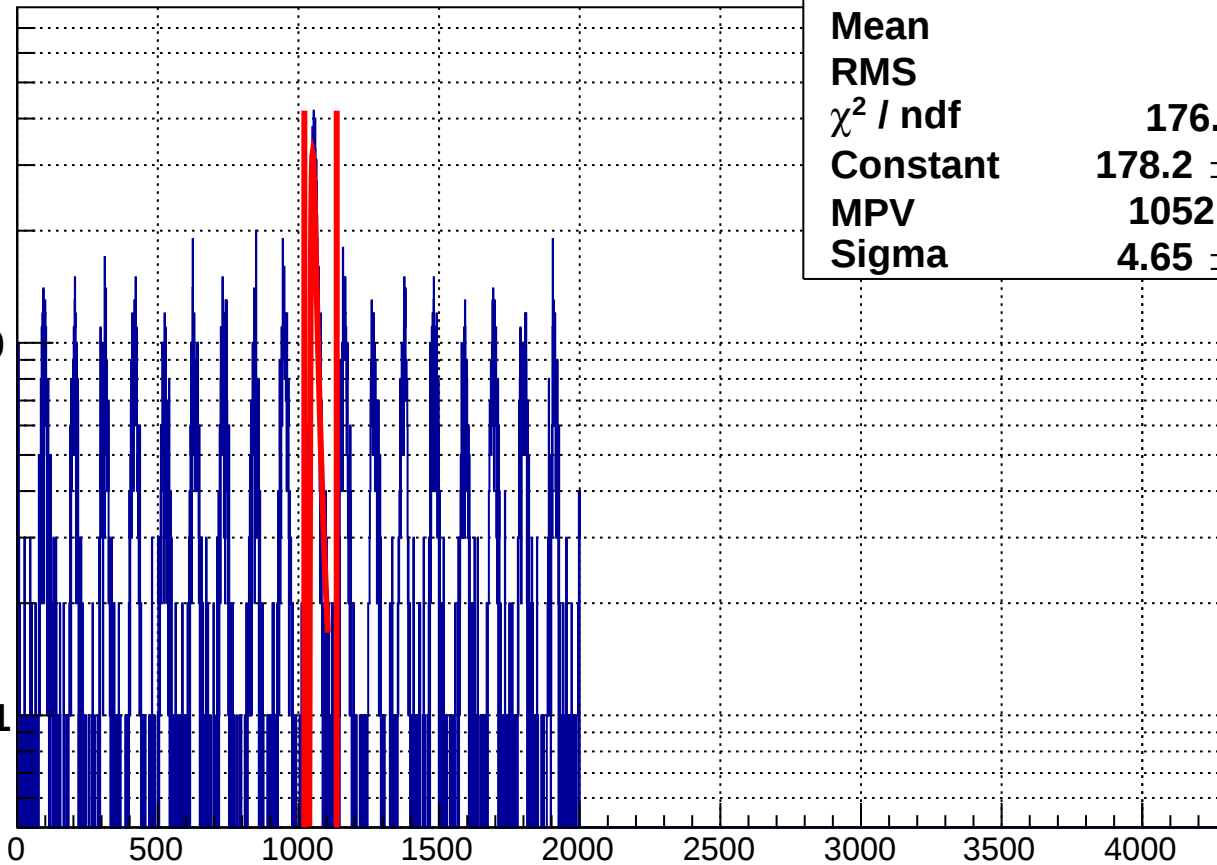
Entries	5793
Mean	1009
RMS	517.5
χ^2 / ndf	186.2 / 75
Constant	187.9 ± 9.4
MPV	1048 ± 0.4
Sigma	4.979 ± 0.211

Run# 18103016

count

10

1



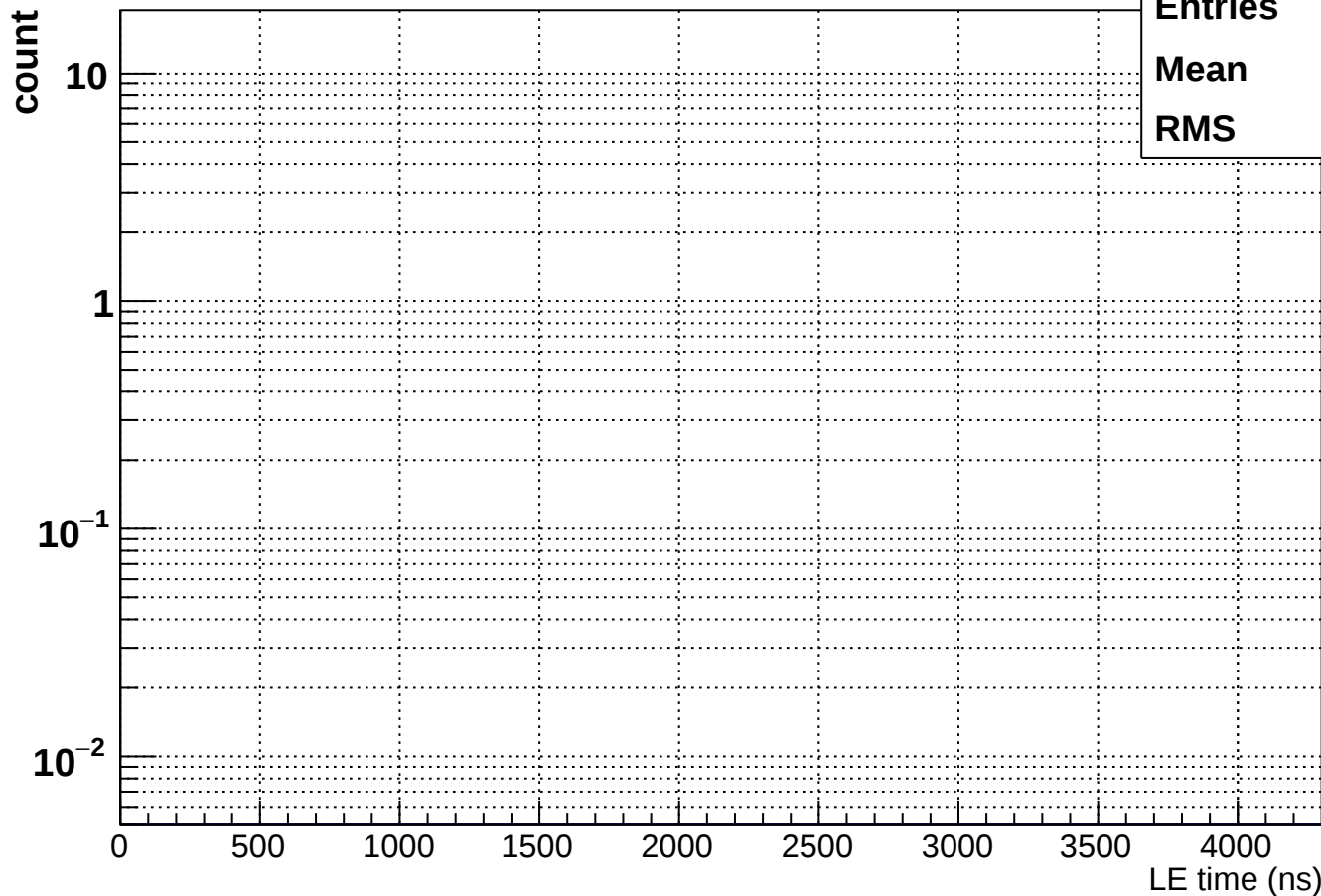
tray_le_79

Entries	5633
Mean	1014
RMS	522.4
χ^2 / ndf	176.9 / 67
Constant	178.2 ± 10.8
MPV	1052 ± 0.4
Sigma	4.65 ± 0.26

Run# 18103016

tray_le_80

Entries	0
Mean	0
RMS	0



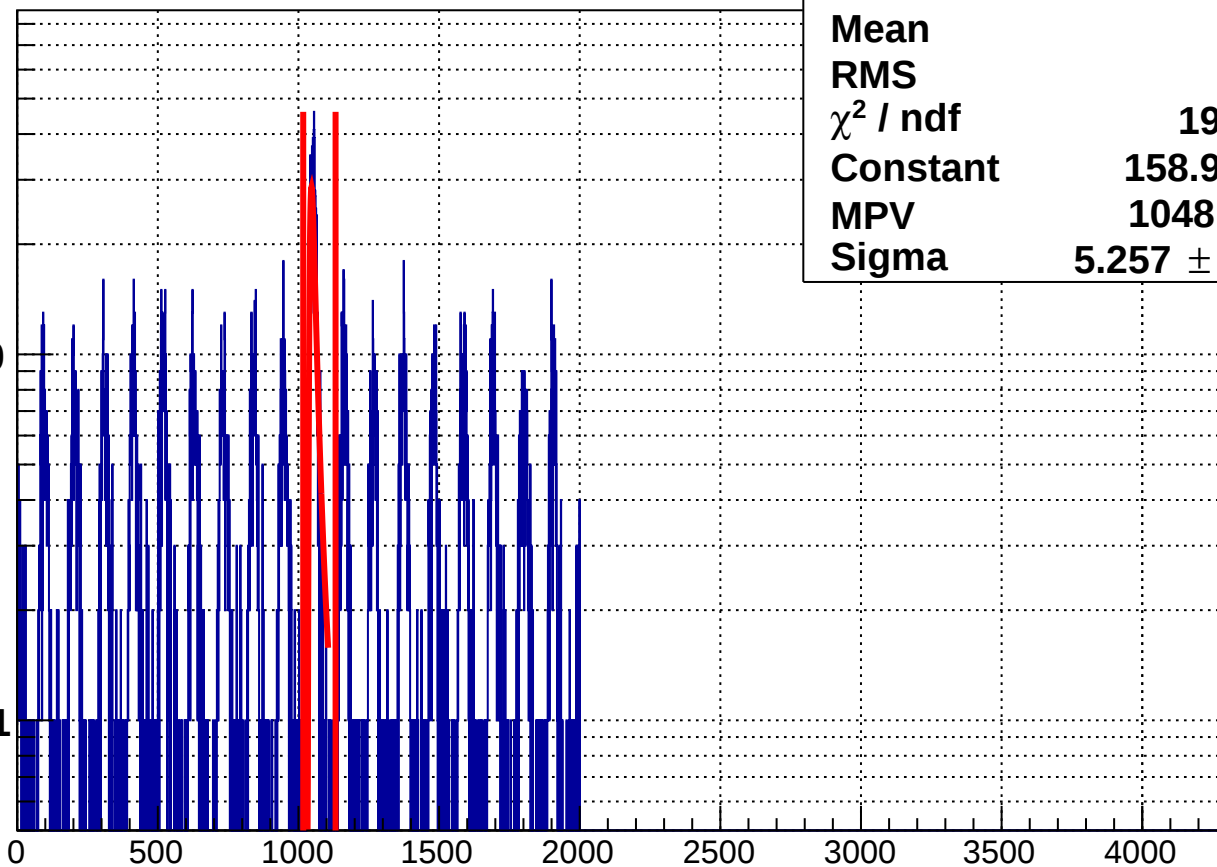
Run# 18103016

tray_le_81

count

10

1



Entries	5359
Mean	998.6
RMS	516
χ^2 / ndf	197 / 65
Constant	158.9 ± 8.1
MPV	1048 ± 0.4
Sigma	5.257 ± 0.219

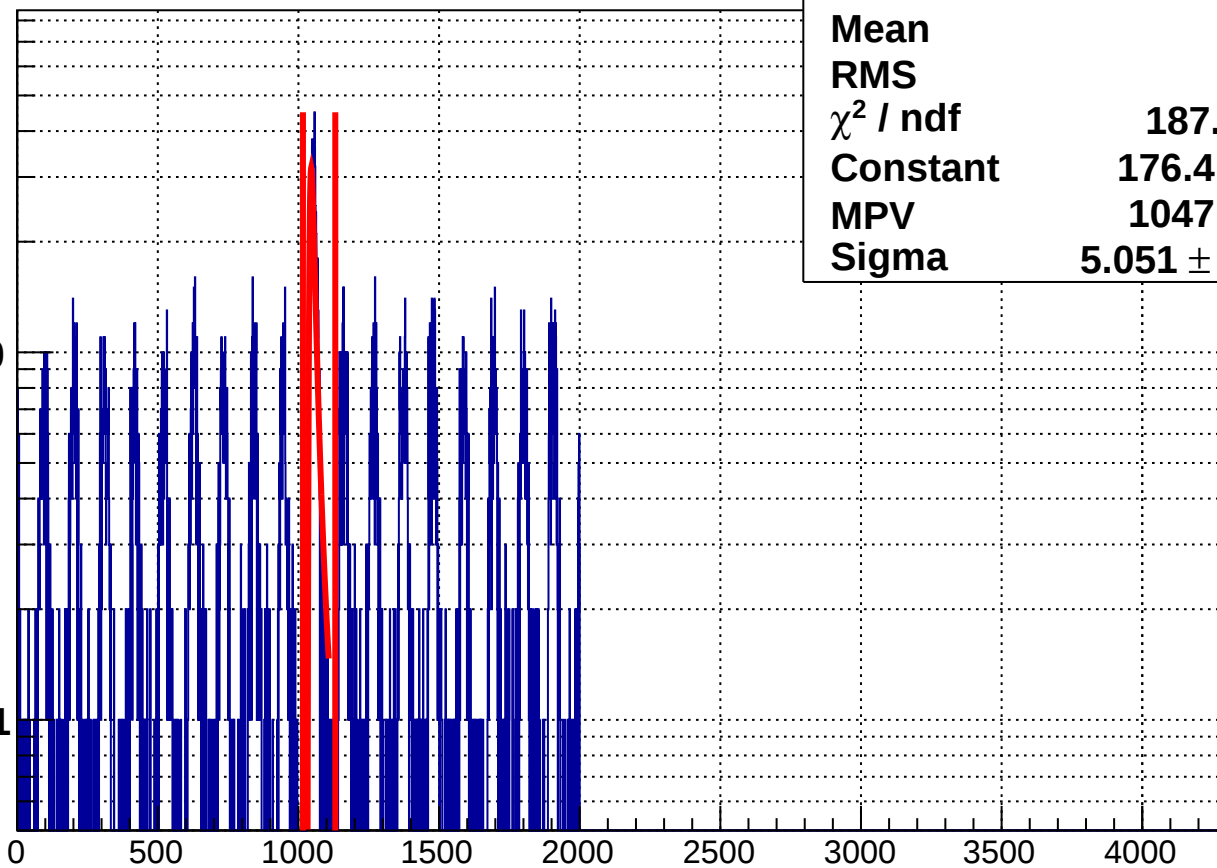
LE time (ns)

Run# 18103016

count

10

1



tray_le_82

Entries	5462
Mean	1021
RMS	520.1
χ^2 / ndf	187.8 / 68
Constant	176.4 ± 8.7
MPV	1047 ± 0.4
Sigma	5.051 ± 0.200

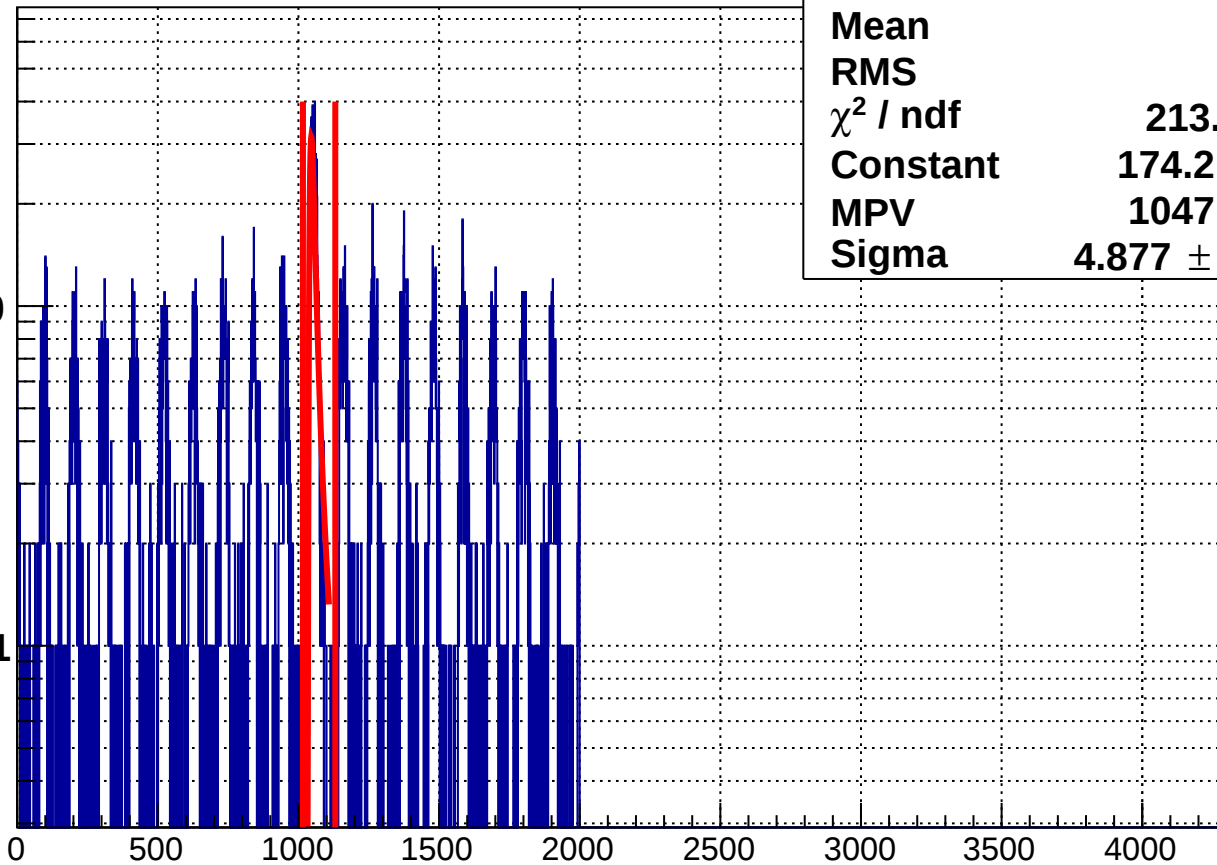
Run# 18103016

tray_le_83

count

10

1



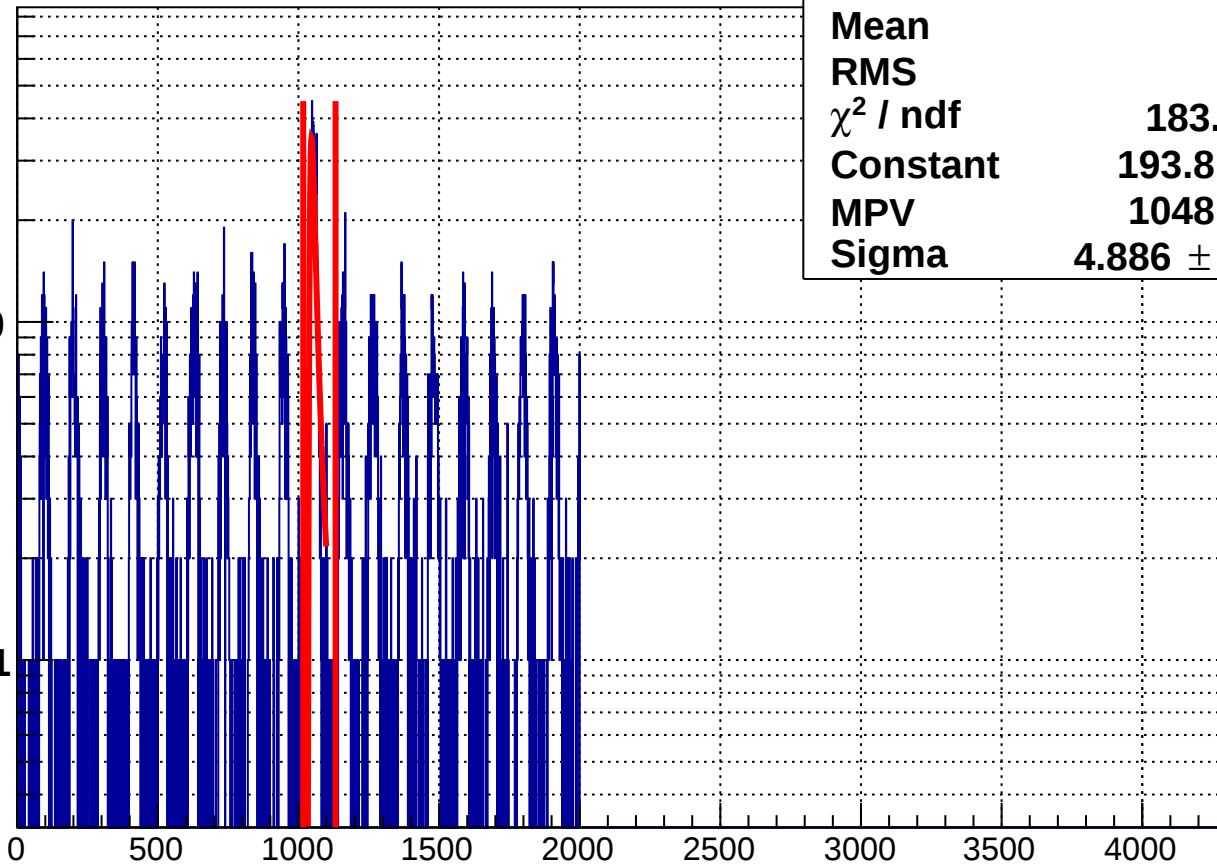
Entries	5373
Mean	1013
RMS	503.5
χ^2 / ndf	213.3 / 70
Constant	174.2 ± 9.3
MPV	1047 ± 0.5
Sigma	4.877 ± 0.217

Run# 18103016

count

10

1



tray_le_84

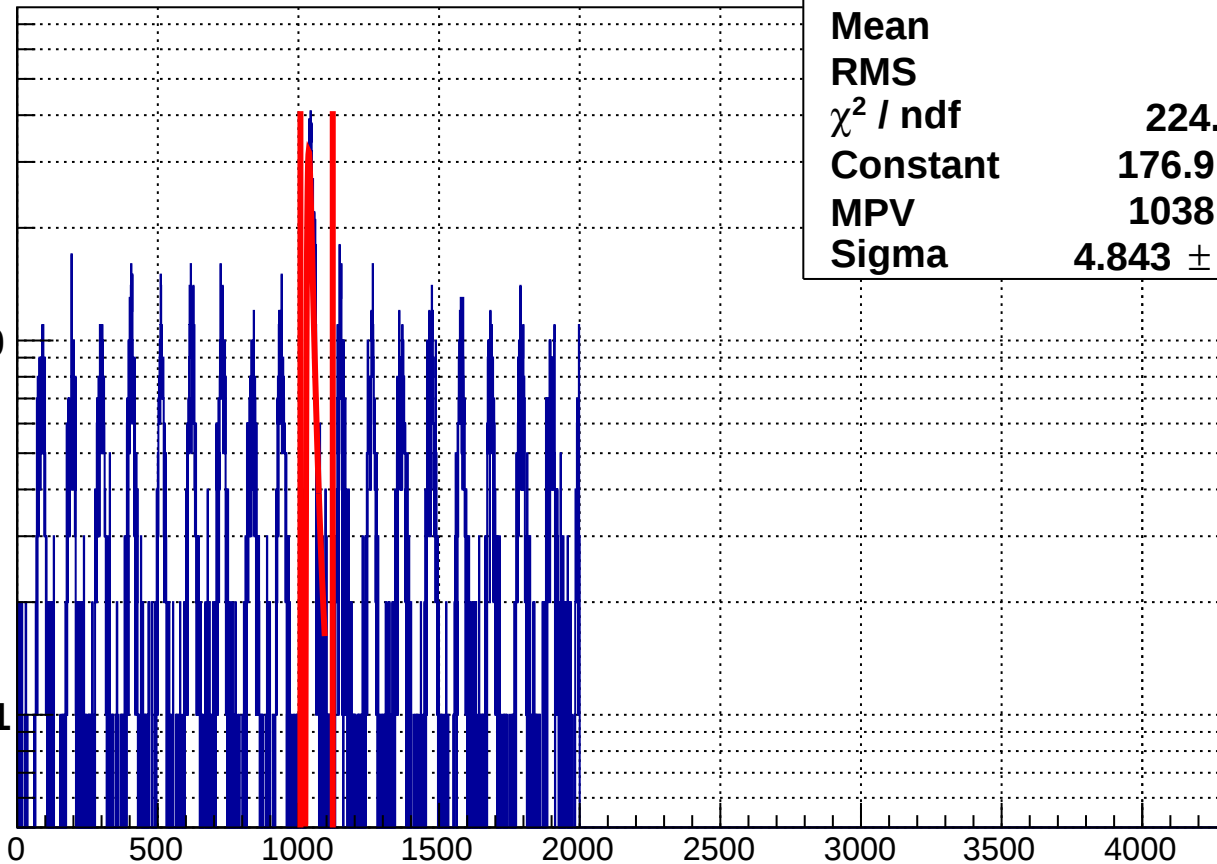
Entries	5660
Mean	1022
RMS	520.8
χ^2 / ndf	183.4 / 66
Constant	193.8 ± 9.7
MPV	1048 ± 0.4
Sigma	4.886 ± 0.209

Run# 18103016

count

10

1



tray_le_85

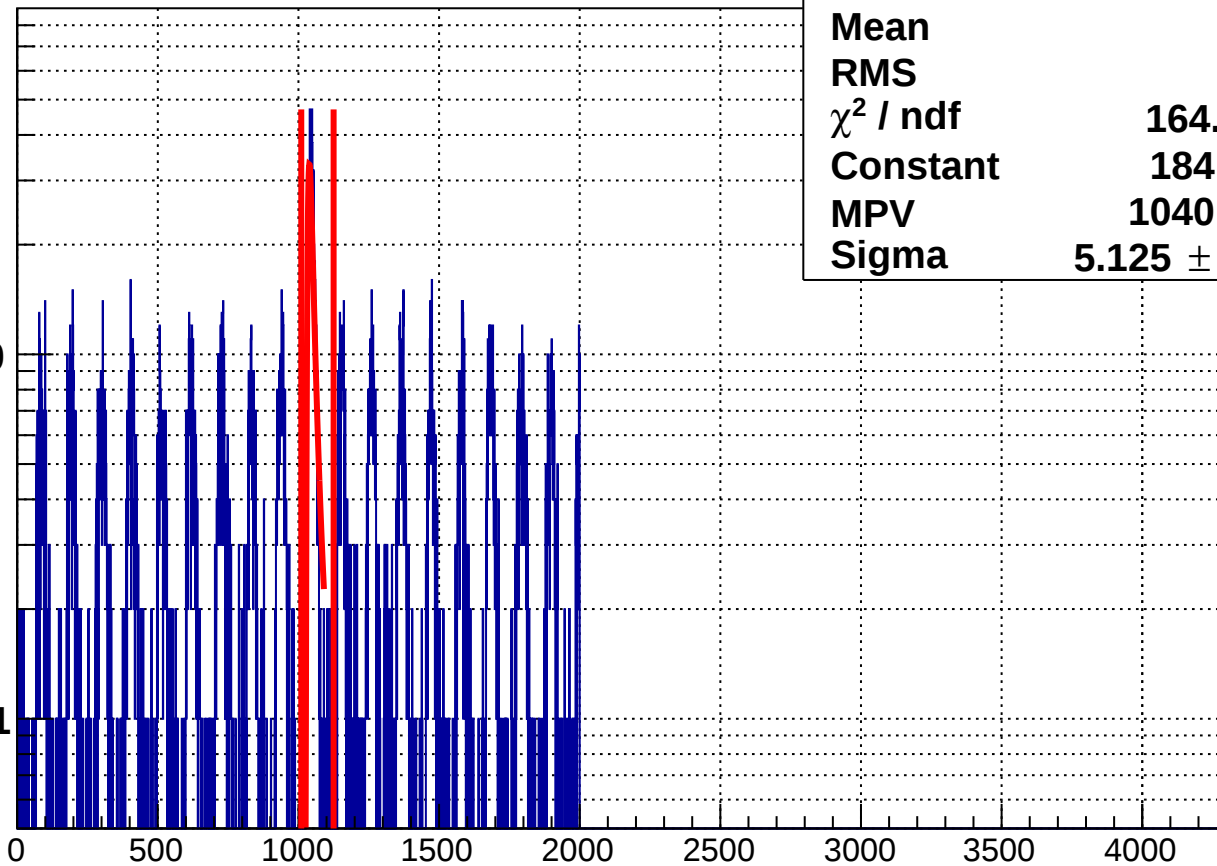
Entries	5601
Mean	1016
RMS	518.6
χ^2 / ndf	224.4 / 68
Constant	176.9 ± 8.9
MPV	1038 ± 0.4
Sigma	4.843 ± 0.198

Run# 18103016

count

10

1



tray_le_86

Entries	5374
Mean	1022
RMS	513.3
χ^2 / ndf	164.8 / 58
Constant	184 ± 9.8
MPV	1040 ± 0.4
Sigma	5.125 ± 0.243

LE time (ns)

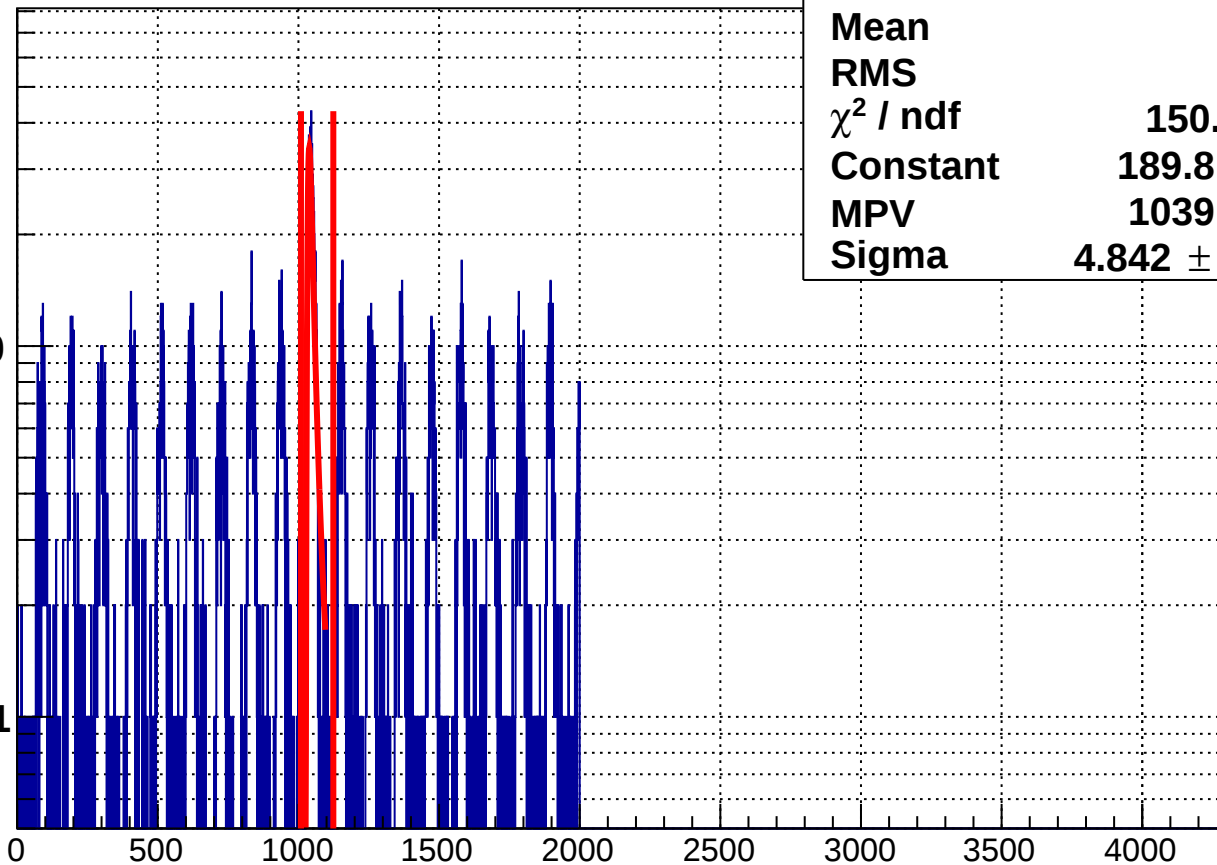
Run# 18103016

tray_le_87

count

10

1



Entries

5540

Mean

1025

RMS

518.2

χ^2 / ndf

150.6 / 64

Constant

189.8 ± 9.8

MPV

1039 ± 0.4

Sigma

4.842 ± 0.215

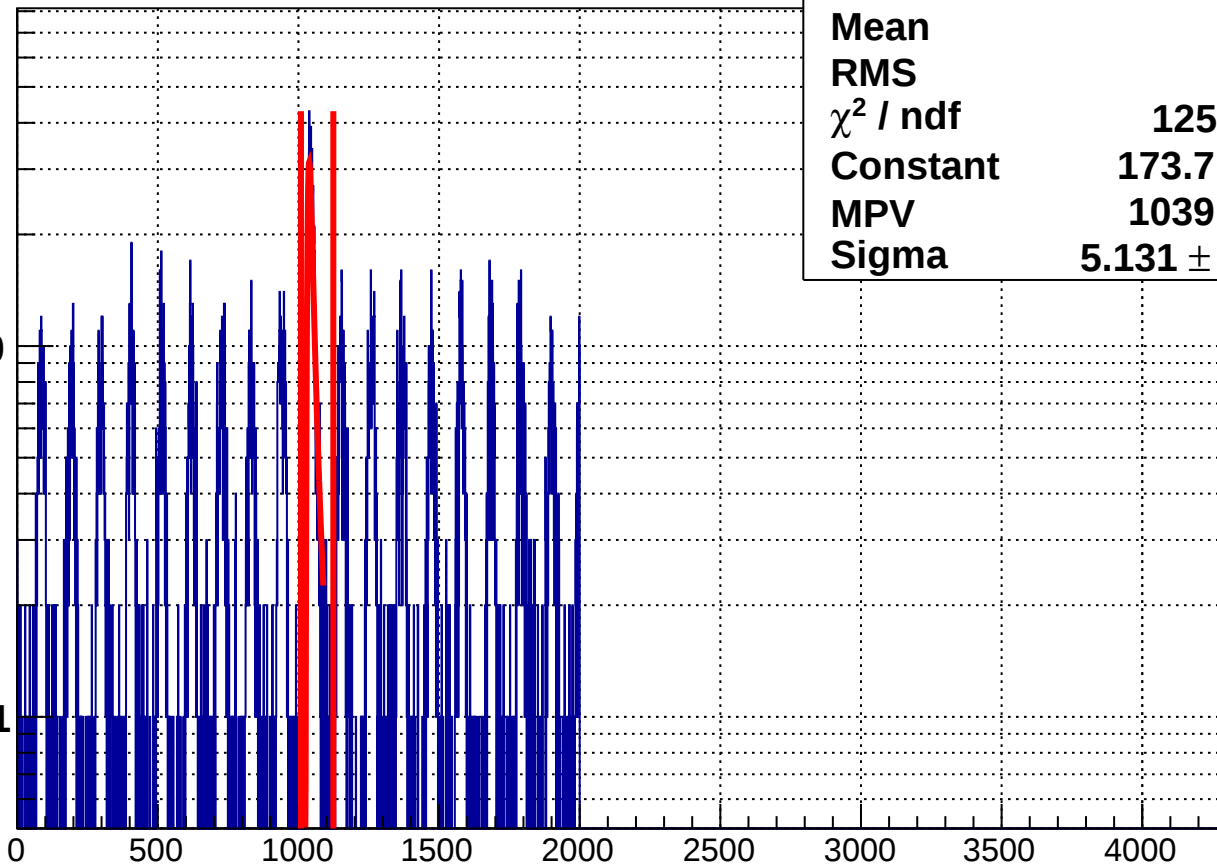
LE time (ns)

Run# 18103016

count

10

1



tray_le_88

Entries	5639
Mean	1019
RMS	522.2
χ^2 / ndf	125.8 / 71
Constant	173.7 ± 9.5
MPV	1039 ± 0.4
Sigma	5.131 ± 0.250

Run# 18103016

tray_le_89

count

10

1

0

500

1000

1500

2000

2500

3000

3500

4000

LE time (ns)

Entries

5572

Mean

1011

RMS

525.9

χ^2 / ndf

217.7 / 70

Constant

186 ± 10.3

MPV

1038 ± 0.4

Sigma

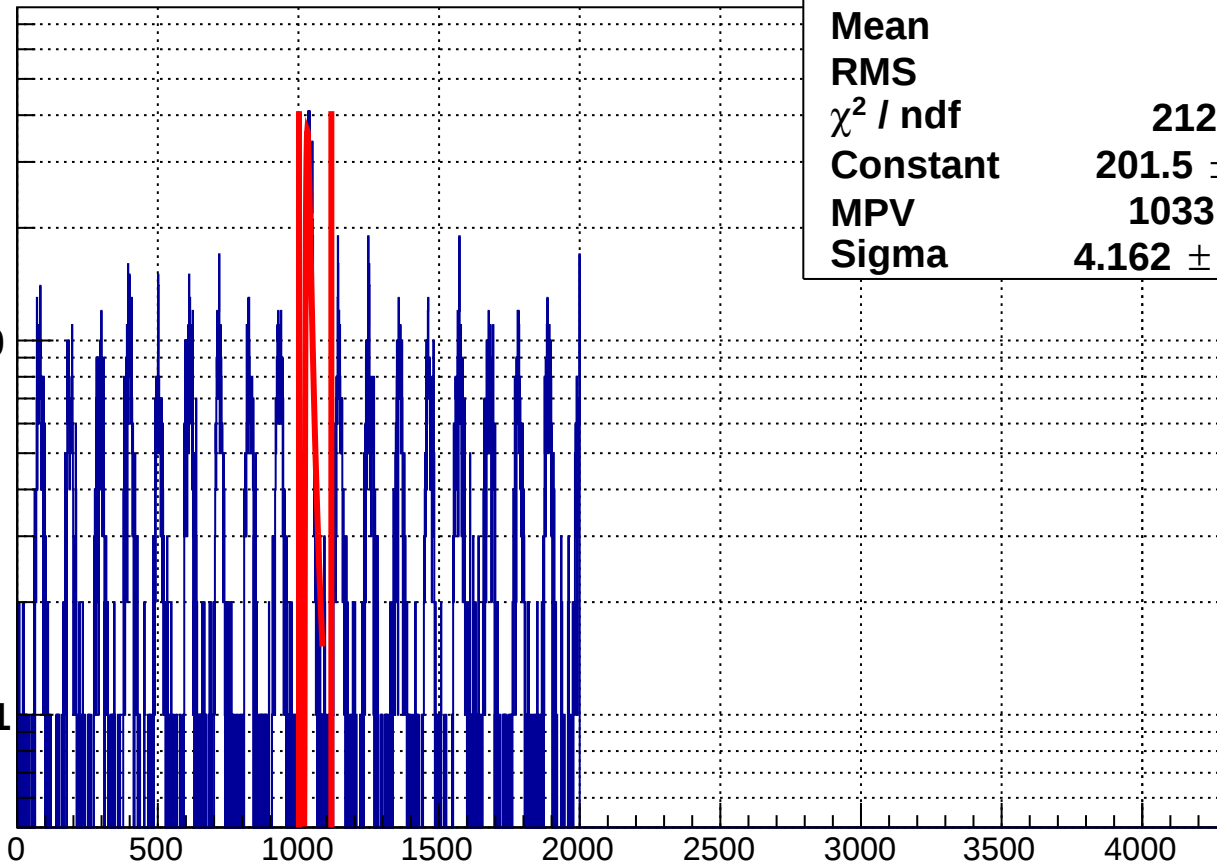
4.308 ± 0.199

Run# 18103016

count

10

1



tray_le_90

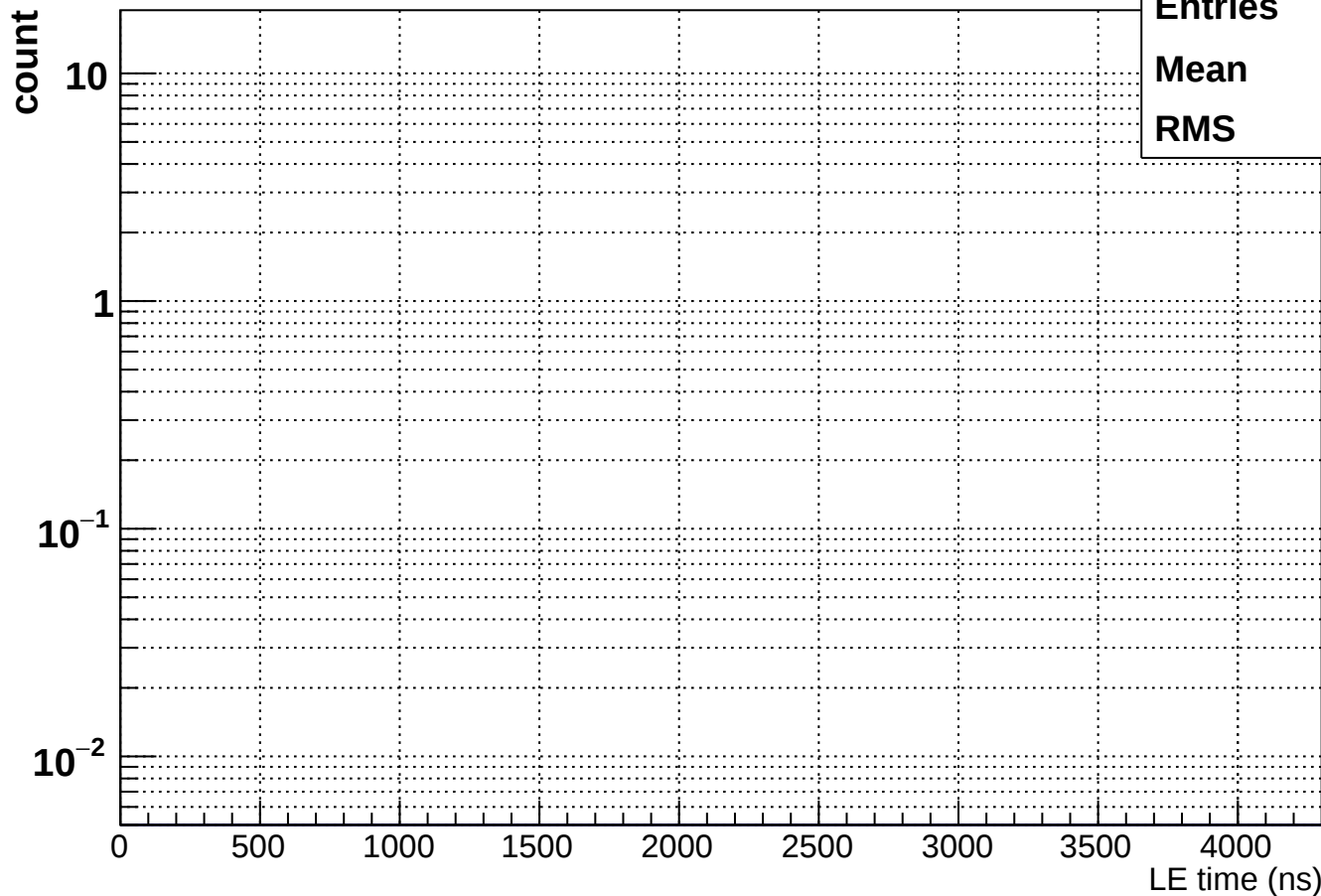
Entries	5622
Mean	1021
RMS	521.9
χ^2 / ndf	212.6 / 71
Constant	201.5 ± 10.6
MPV	1033 ± 0.3
Sigma	4.162 ± 0.182

LE time (ns)

Run# 18103016

tray_le_91

Entries	0
Mean	0
RMS	0

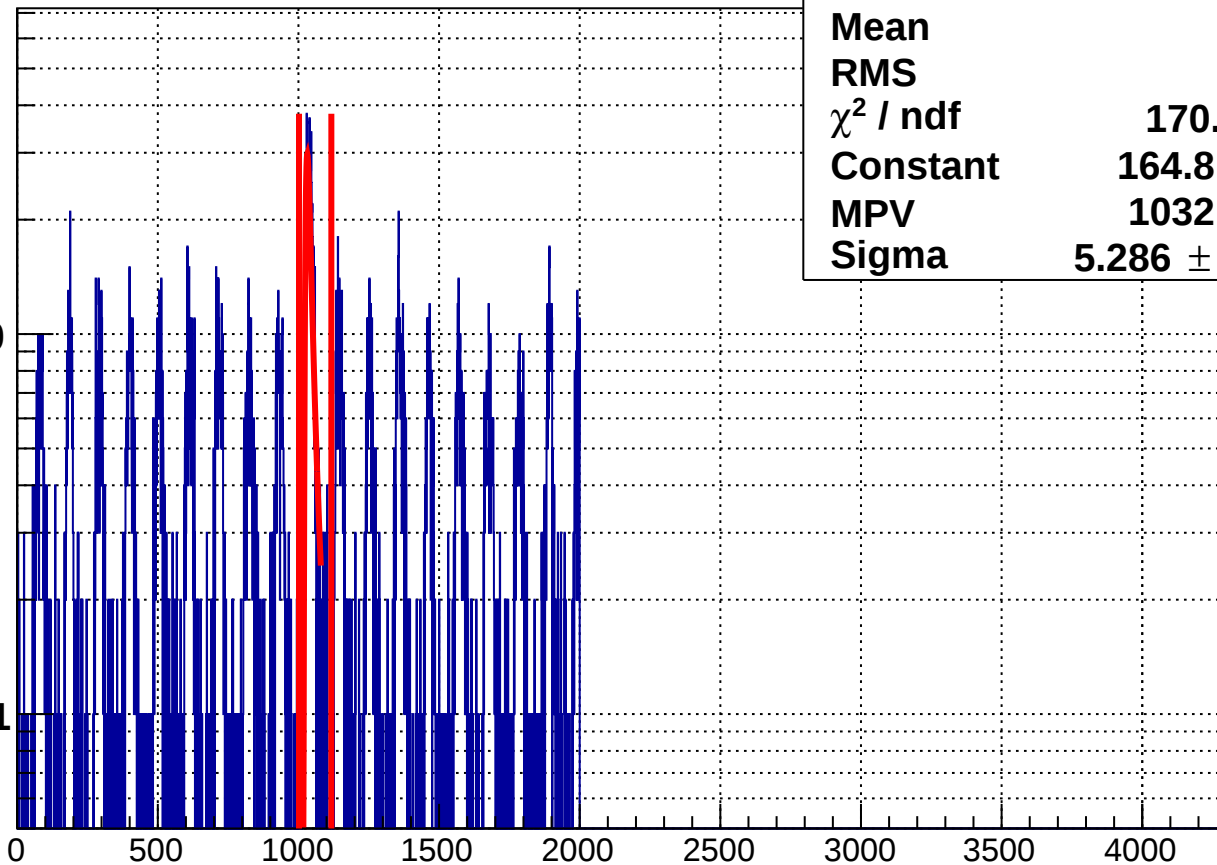


Run# 18103016

count

10

1



tray_le_92

Entries	5736
Mean	1010
RMS	525.7
χ^2 / ndf	170.3 / 64
Constant	164.8 ± 8.8
MPV	1032 ± 0.5
Sigma	5.286 ± 0.248

LE time (ns)

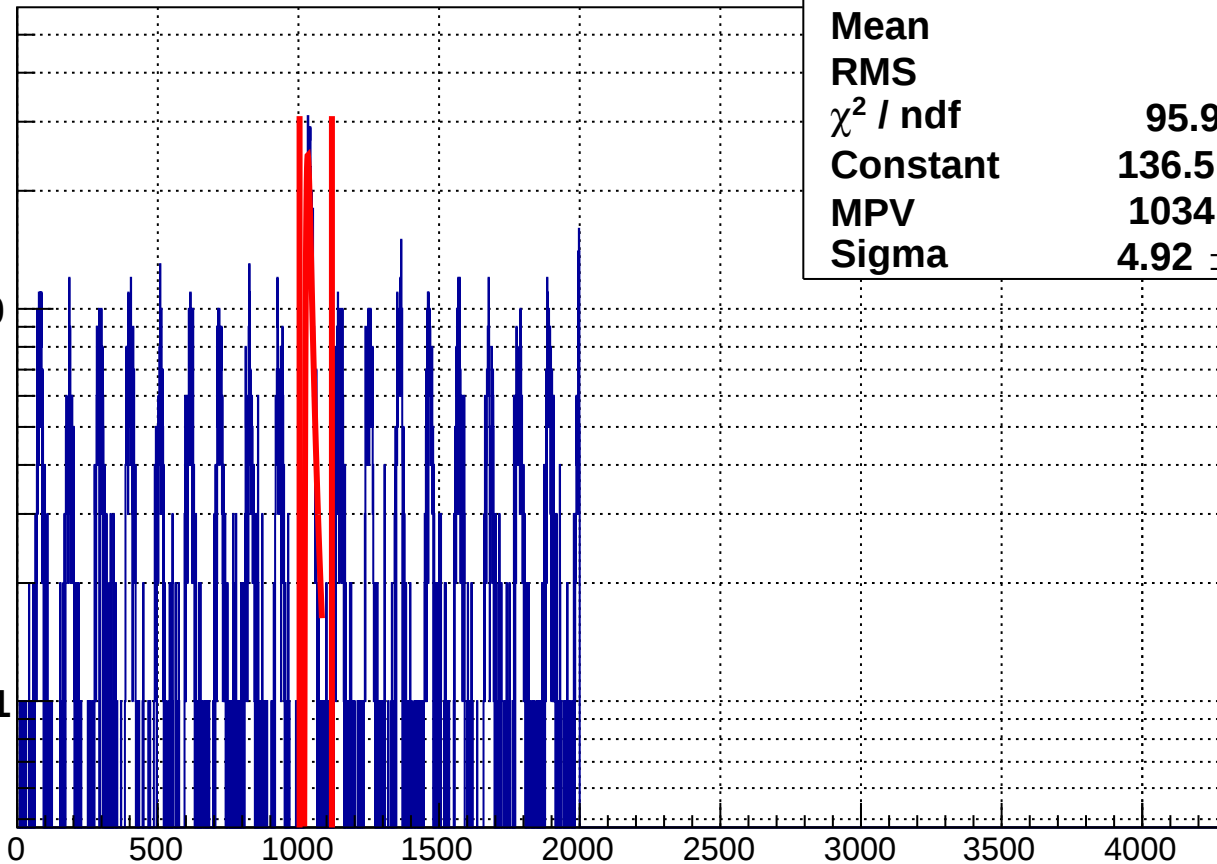
Run# 18103016

tray_le_93

count

10

1



Entries	4259
Mean	1040
RMS	535.7
χ^2 / ndf	95.94 / 59
Constant	136.5 ± 8.0
MPV	1034 ± 0.5
Sigma	4.92 ± 0.25

Run# 18103016

count

10^2

10

1

0

500

1000

1500

2000

2500

3000

3500

4000

LE time (ns)

Entries

5686

Mean

1013

RMS

526.6

χ^2 / ndf

213.7 / 67

Constant

178.6 ± 9.1

MPV

1032 ± 0.4

Sigma

4.86 ± 0.20

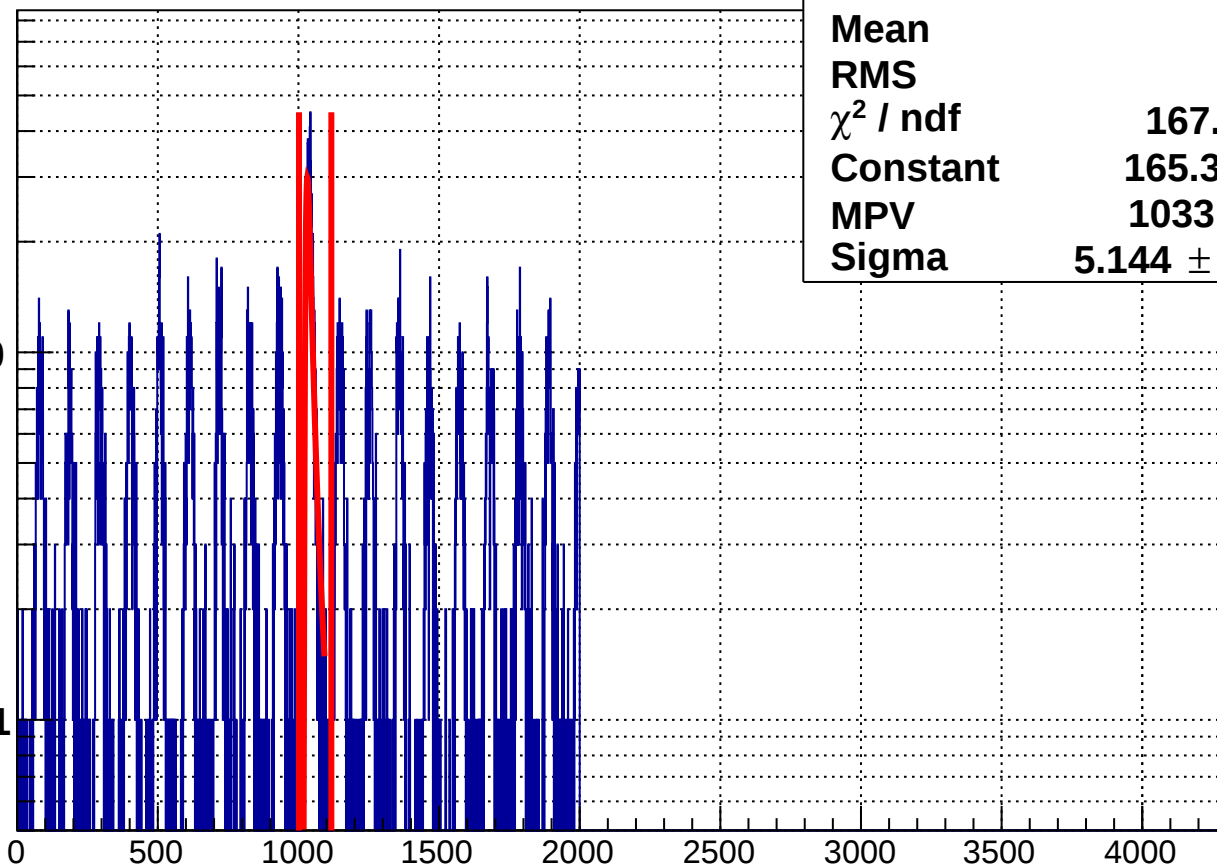
tray_le_94

Run# 18103016

count

10

1



tray_le_95

Entries	5792
Mean	1016
RMS	521.1
χ^2 / ndf	167.4 / 72
Constant	165.3 ± 9.1
MPV	1033 ± 0.5
Sigma	5.144 ± 0.245

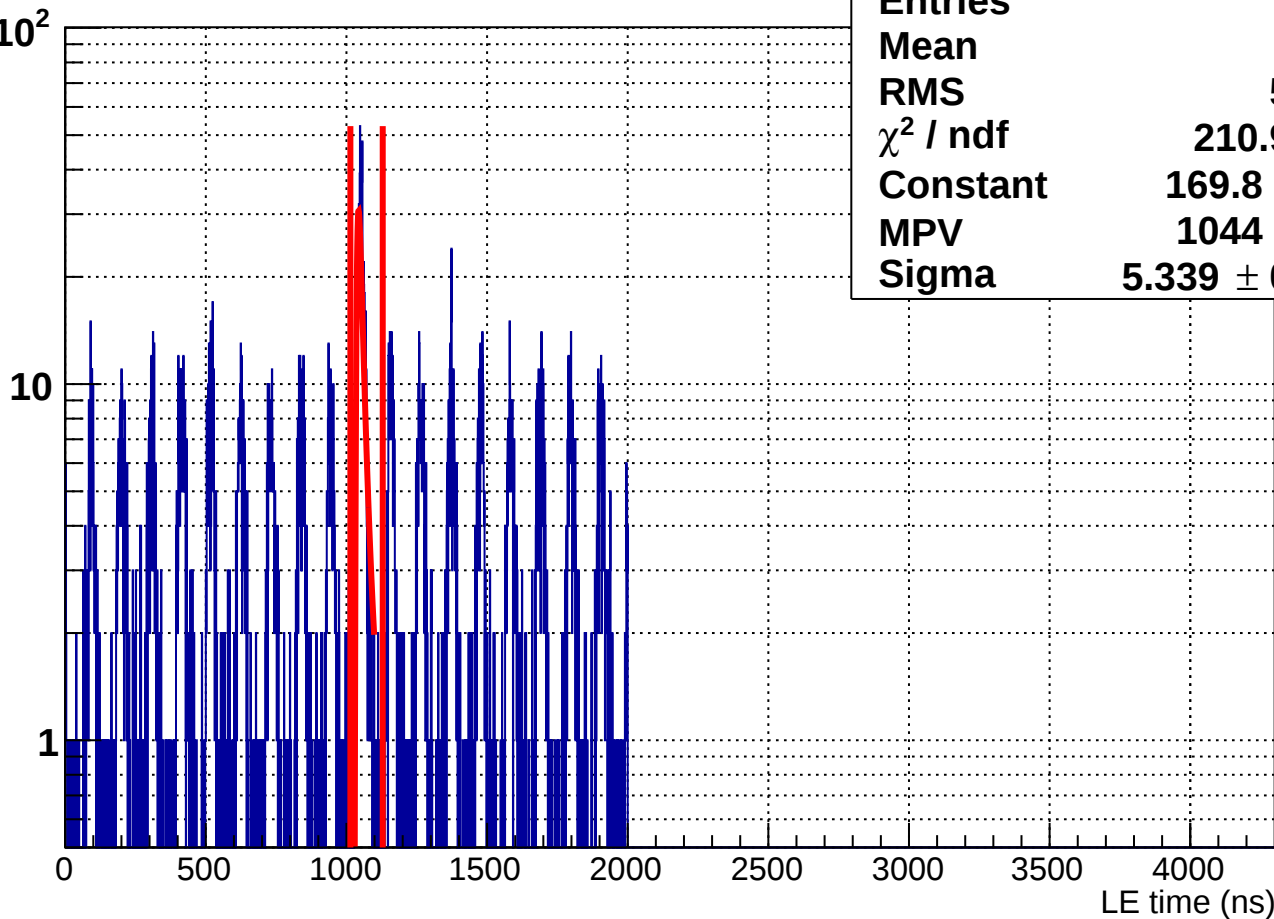
LE time (ns)

Run# 18103016

count

tray_le_96

Entries	5500
Mean	1020
RMS	512.4
χ^2 / ndf	210.9 / 76
Constant	169.8 ± 8.9
MPV	1044 ± 0.5
Sigma	5.339 ± 0.239



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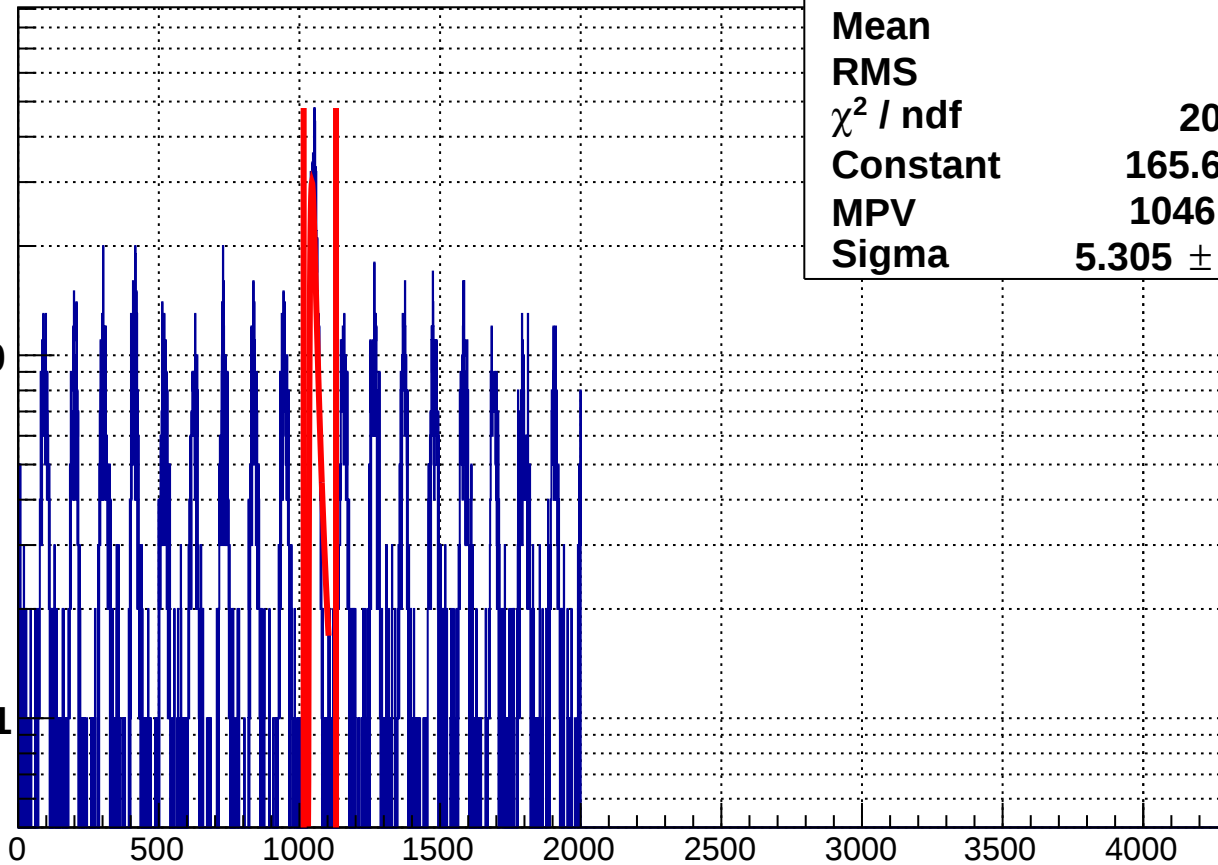
Run# 18103016

tray_le_97

count

10

1



Entries	5626
Mean	1009
RMS	521.4
χ^2 / ndf	209 / 64
Constant	165.6 ± 9.1
MPV	1046 ± 0.5
Sigma	5.305 ± 0.259

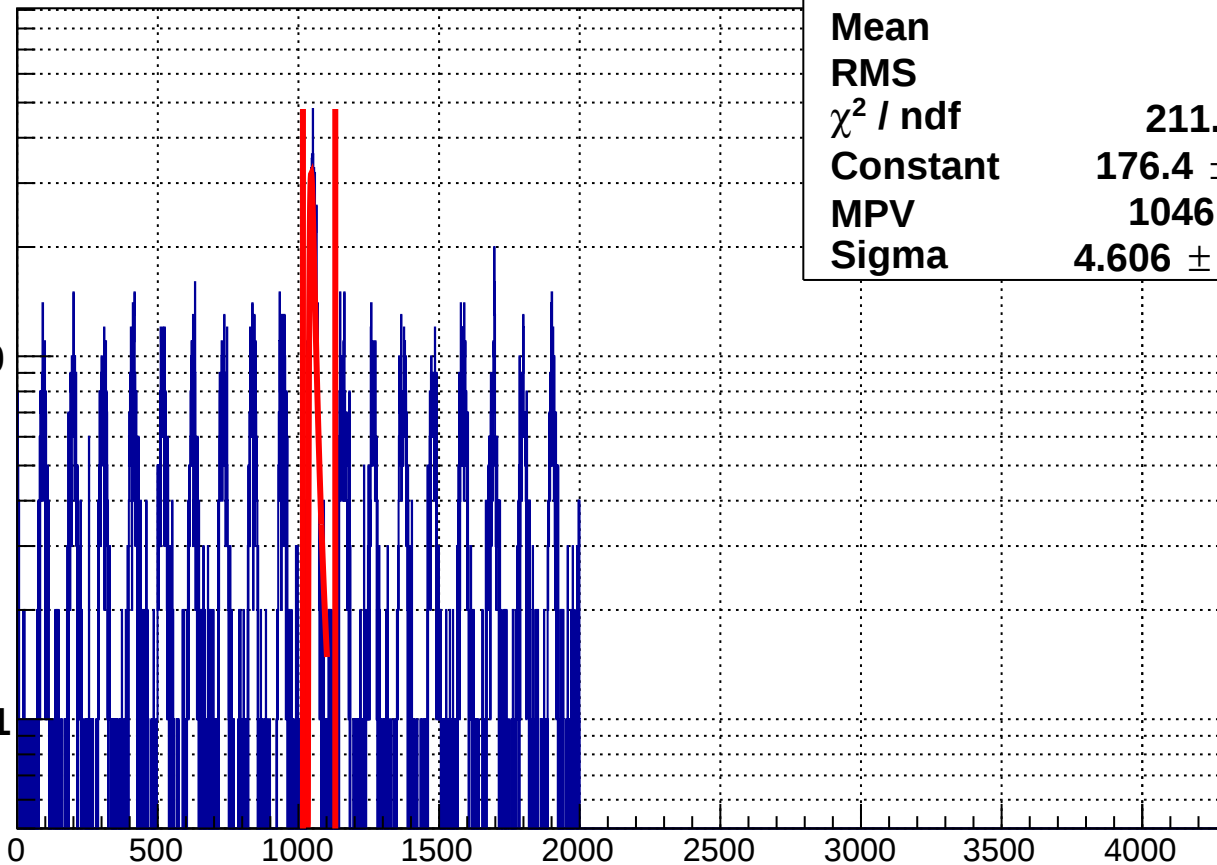
Run# 18103016

tray_le_98

count

10

1



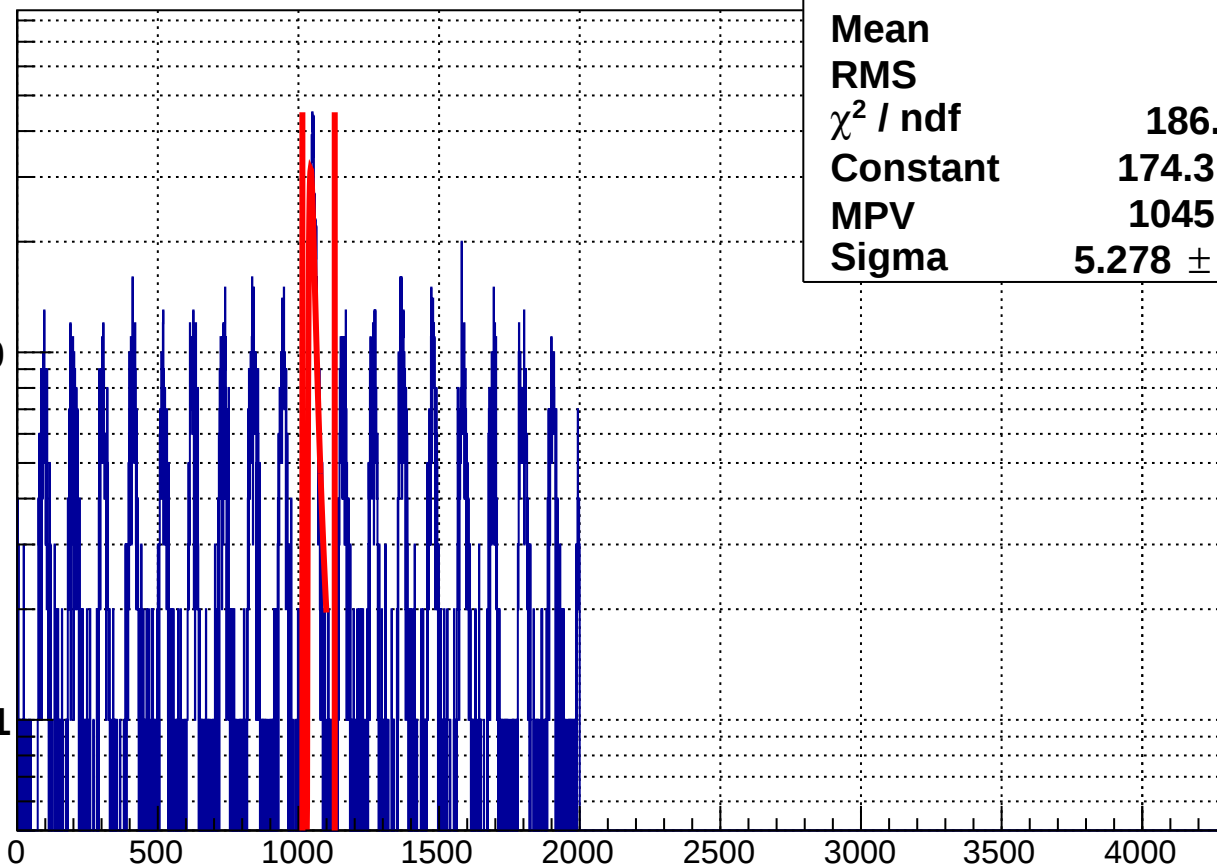
Entries	5527
Mean	1007
RMS	523.4
χ^2 / ndf	211.9 / 68
Constant	176.4 ± 10.8
MPV	1046 ± 0.5
Sigma	4.606 ± 0.256

Run# 18103016

count

10

1



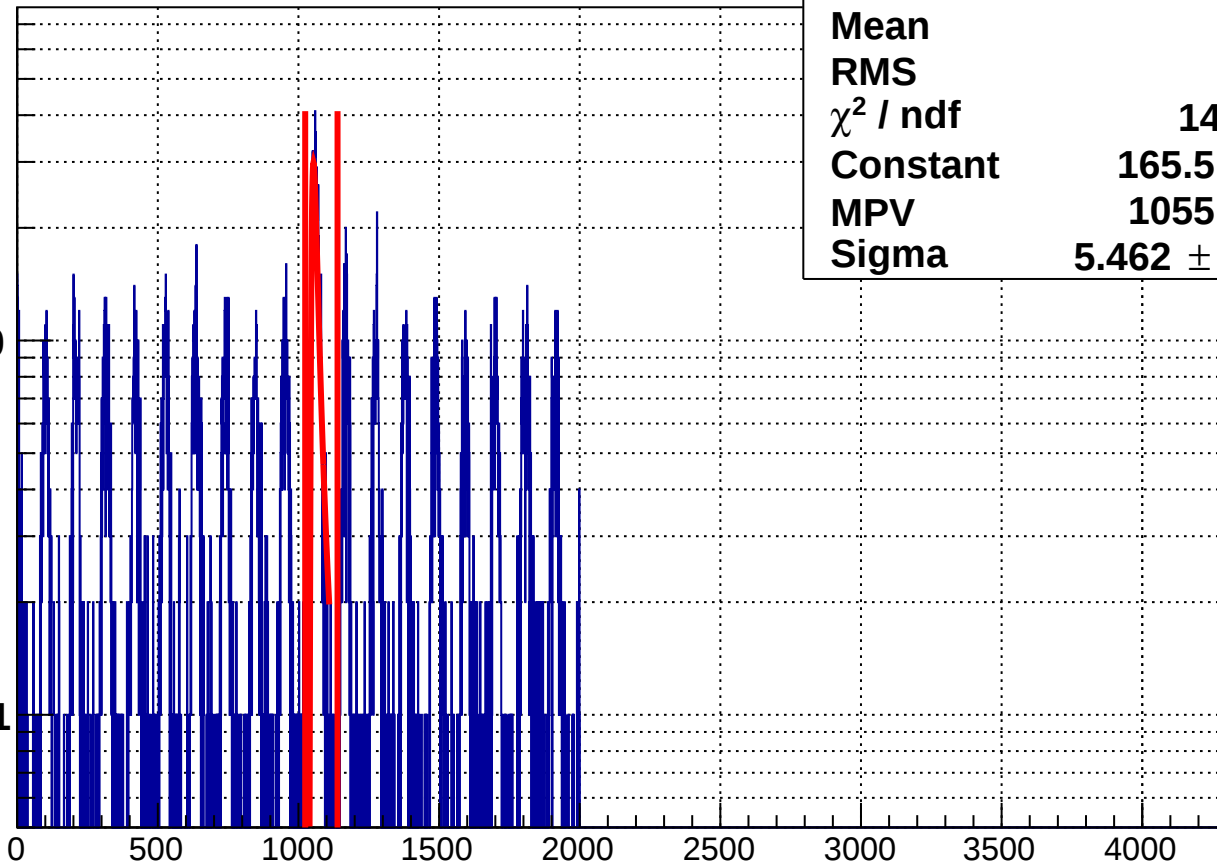
LE time (ns)

Run# 18103016

count

10

1



tray_le_100

Entries	5569
Mean	989.7
RMS	523.6
χ^2 / ndf	143 / 75
Constant	165.5 ± 9.0
MPV	1055 ± 0.4
Sigma	5.462 ± 0.264

LE time (ns)

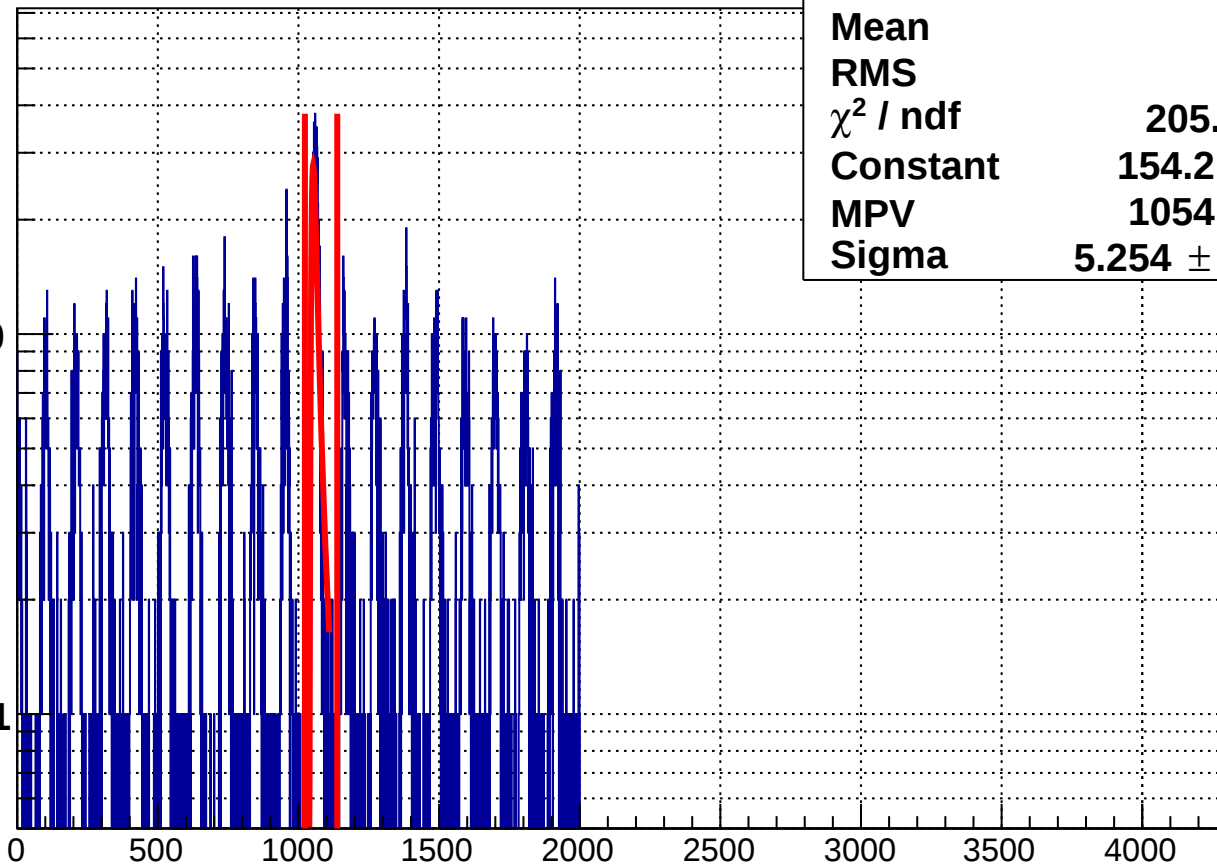
Run# 18103016

tray_le_101

count

10

1



Entries

5428

Mean

992.5

RMS

516.9

χ^2 / ndf

205.7 / 67

Constant

154.2 ± 8.3

MPV

1054 ± 0.5

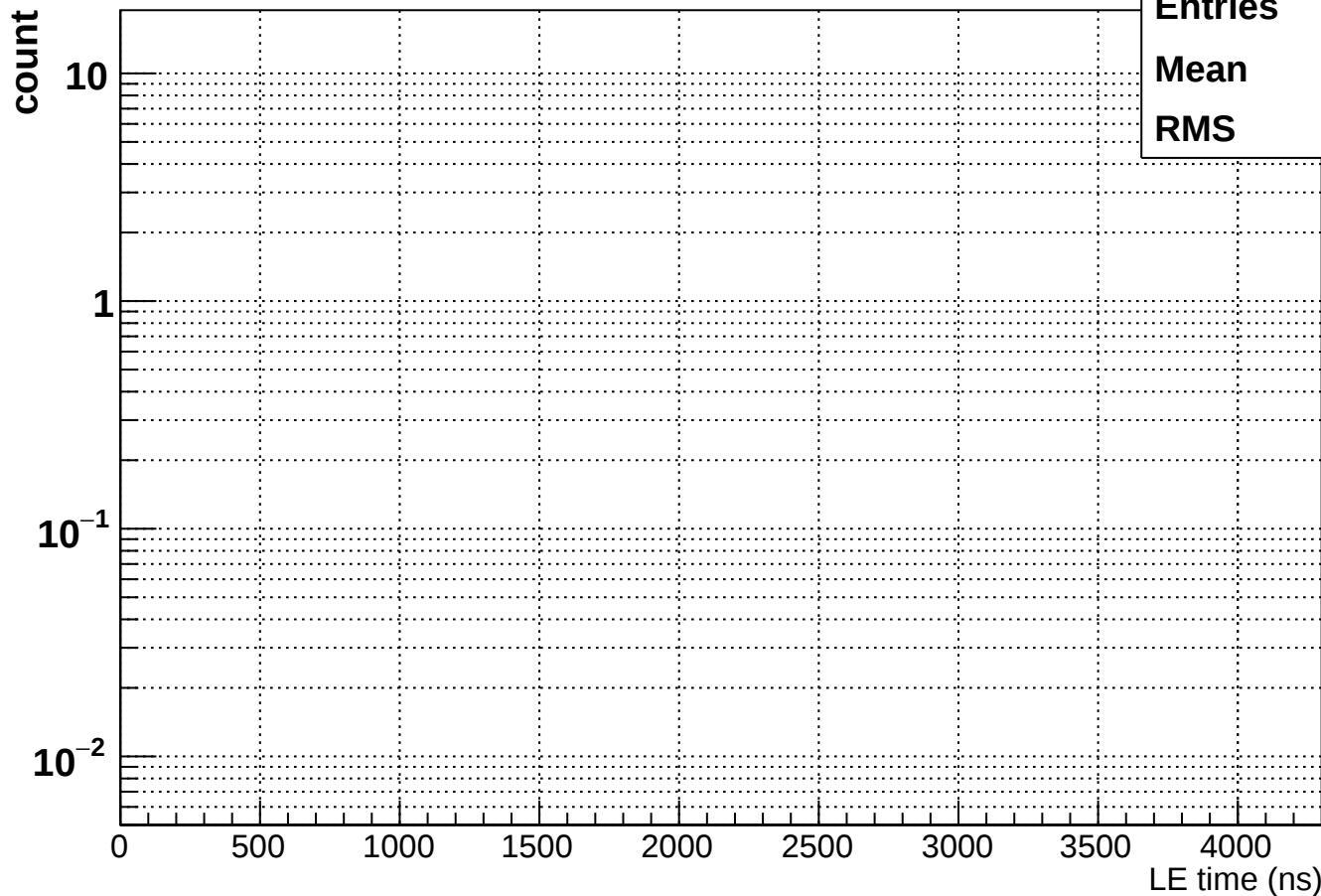
Sigma

5.254 ± 0.238

Run# 18103016

tray_le_102

Entries	0
Mean	0
RMS	0



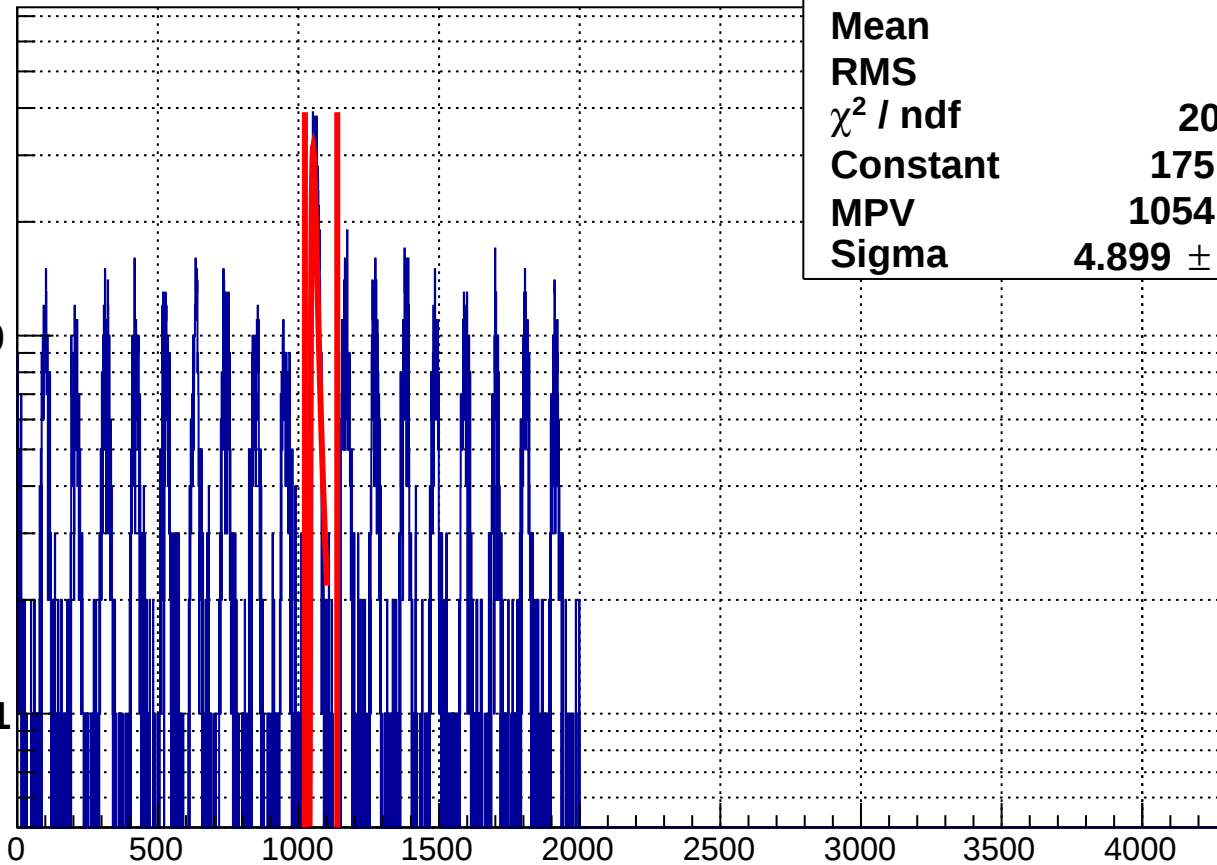
Run# 18103016

tray_le_103

count

10

1



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Run# 18103016

count

10

1

0

500

1000

1500

2000

2500

3000

3500

4000

LE time (ns)

Entries

5553

Mean

1001

RMS

519.8

χ^2 / nfd

200.5 / 67

Constant

168.8 ± 8.8

MPV

1053 ± 0.5

Sigma

5.334 ± 0.241

tray_le_104

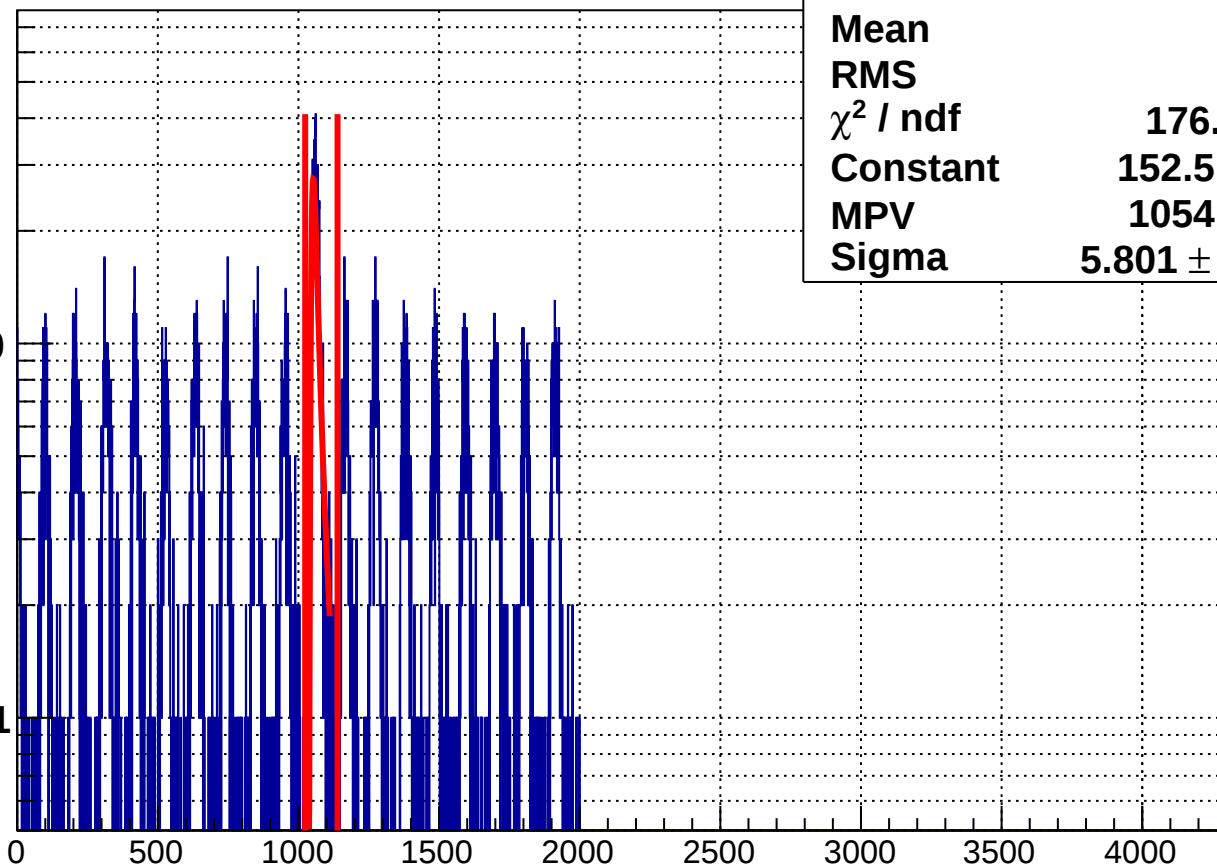
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Run# 18103016

count

10

1



tray_le_105

Entries	5549
Mean	1004
RMS	522.6
χ^2 / ndf	176.5 / 76
Constant	152.5 ± 8.3
MPV	1054 ± 0.5
Sigma	5.801 ± 0.278

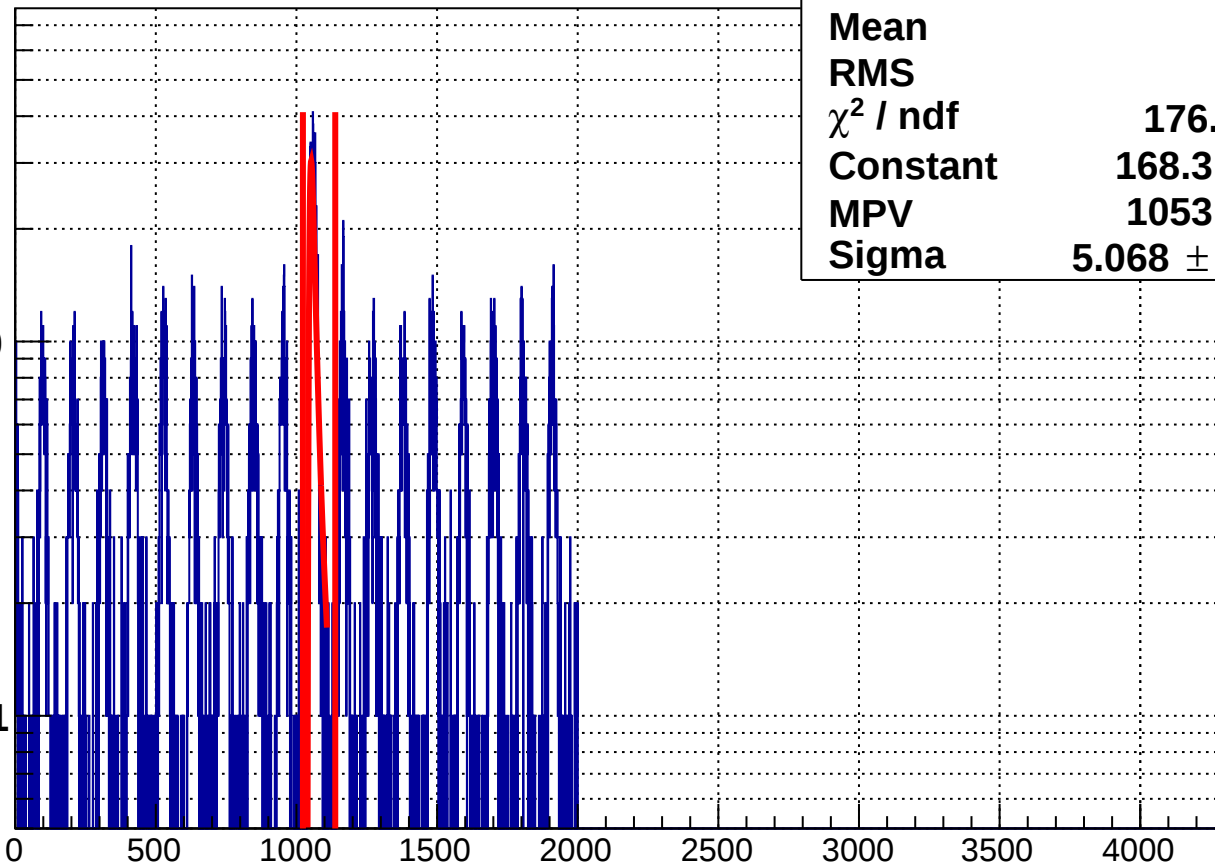
LE time (ns)

Run# 18103016

count

10

1



tray_le_106

Entries	5649
Mean	1007
RMS	522.6
χ^2 / ndf	176.5 / 67
Constant	168.3 ± 9.5
MPV	1053 ± 0.5
Sigma	5.068 ± 0.255

LE time (ns)

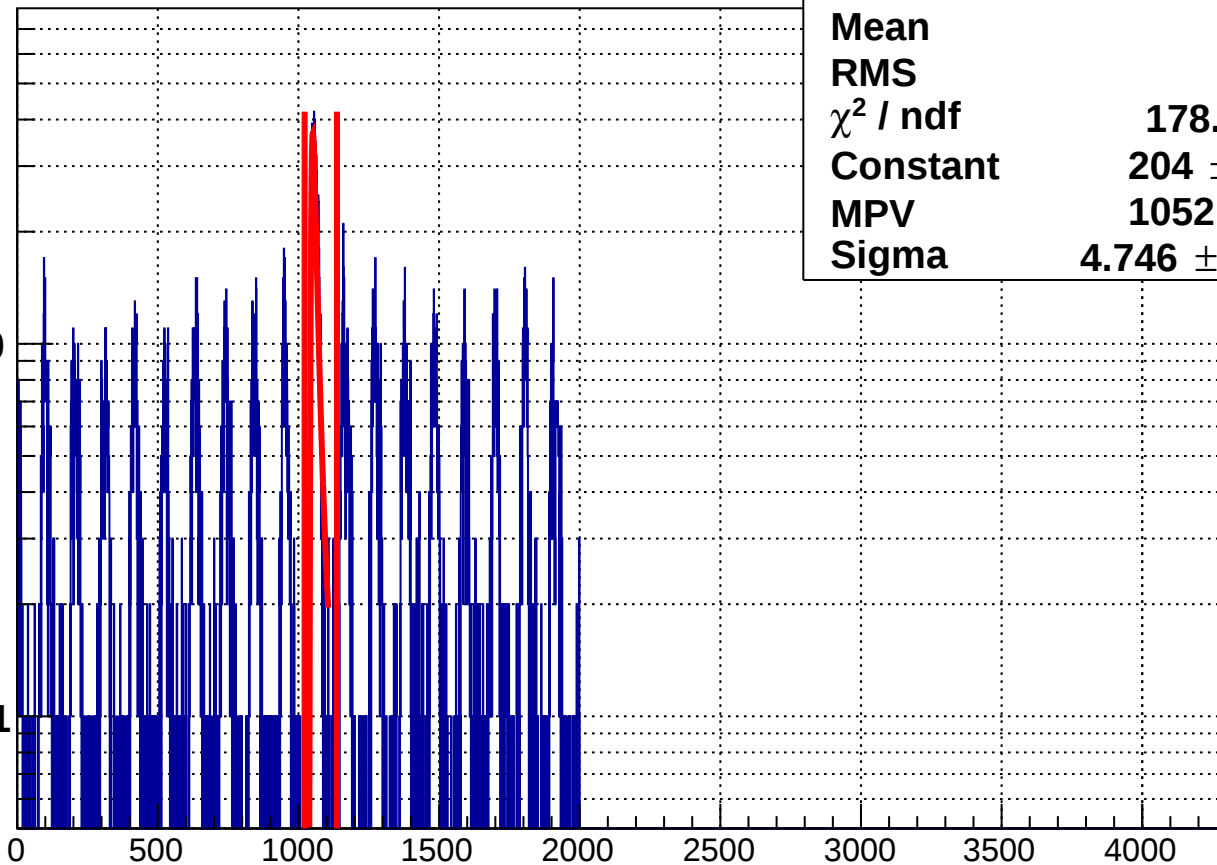
Run# 18103016

tray_le_107

count

10

1



tray_le_107	
Entries	5641
Mean	1017
RMS	515.5
χ^2 / ndf	178.1 / 68
Constant	204 ± 10.2
MPV	1052 ± 0.4
Sigma	4.746 ± 0.201

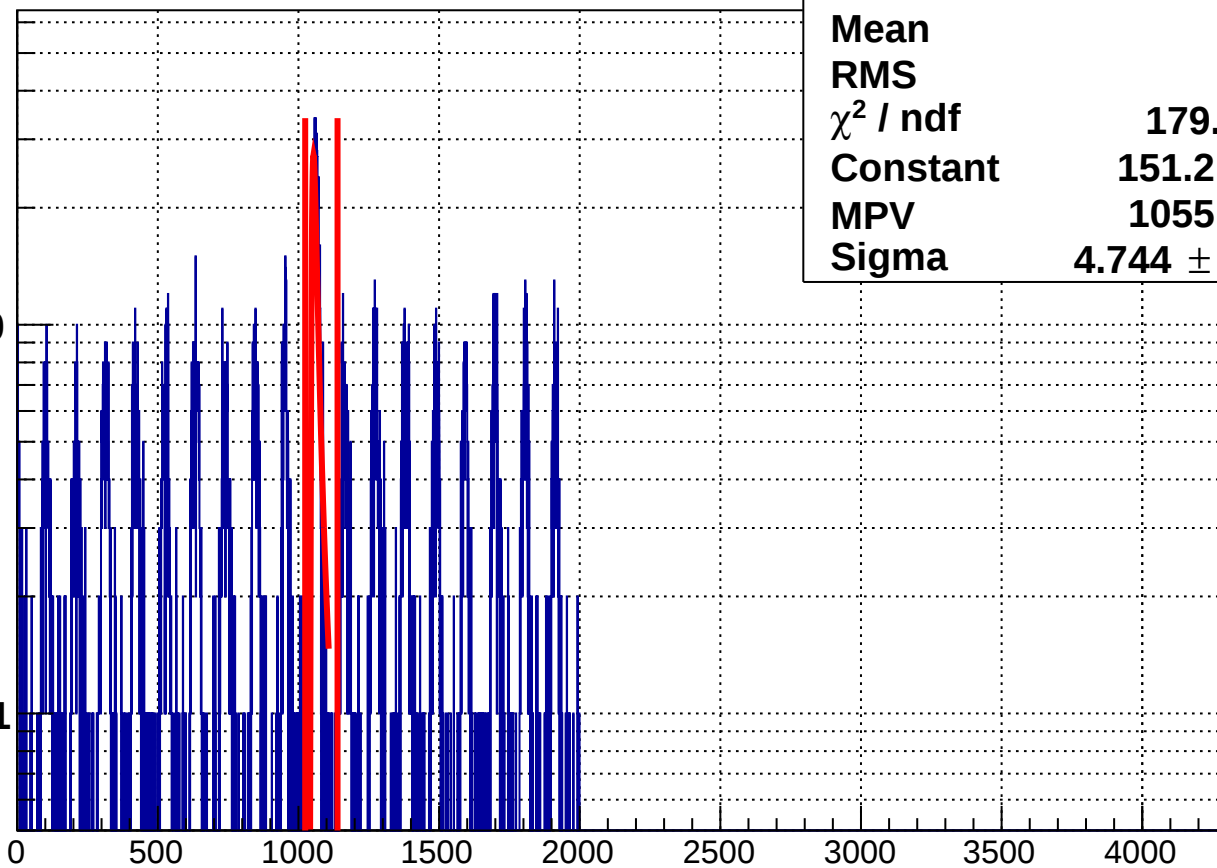
LE time (ns)

Run# 18103016

count

10

1



tray_le_108

Entries	4251
Mean	1005
RMS	512.3
χ^2 / ndf	179.2 / 66
Constant	151.2 ± 8.3
MPV	1055 ± 0.4
Sigma	4.744 ± 0.213

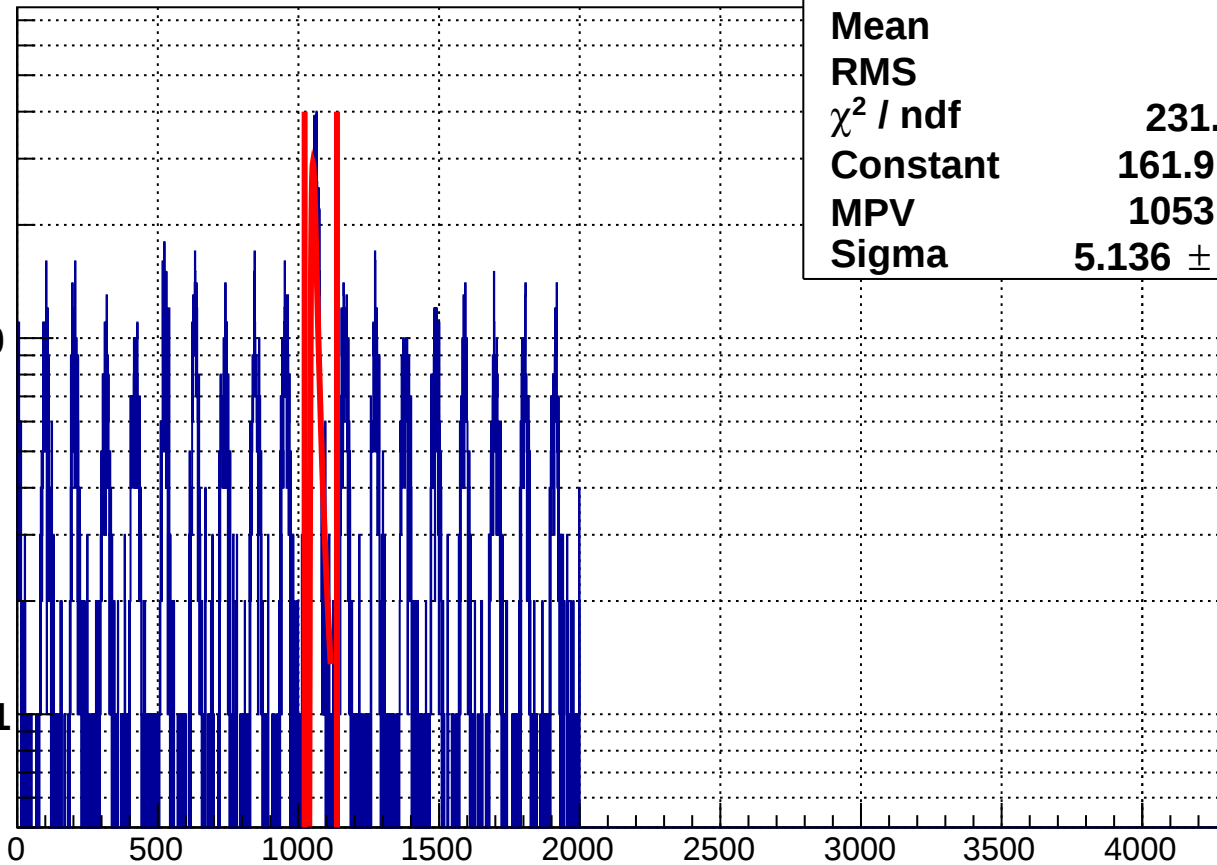
LE time (ns)

Run# 18103016

count

10

1



tray_le_109

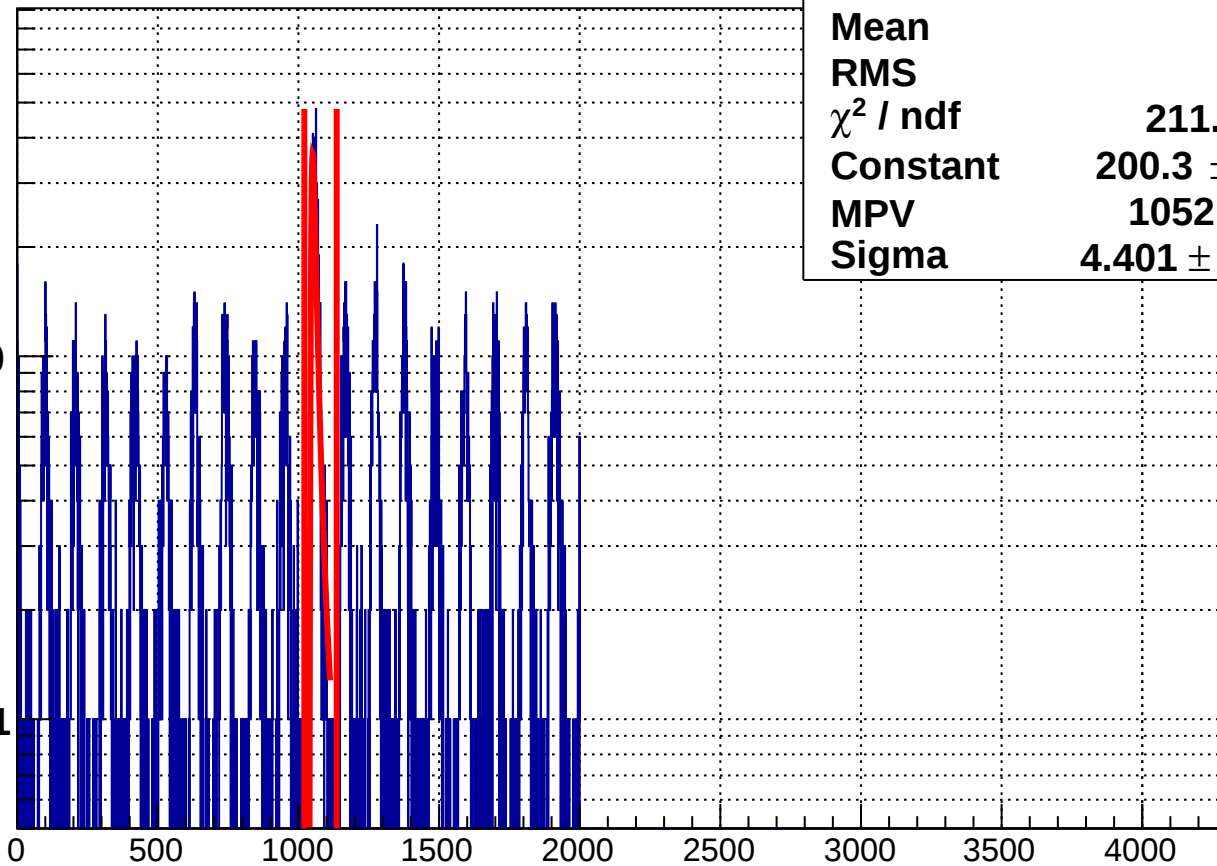
Entries	5625
Mean	993.5
RMS	518.5
χ^2 / ndf	231.6 / 74
Constant	161.9 ± 8.6
MPV	1053 ± 0.5
Sigma	5.136 ± 0.227

Run# 18103016

count

10

1



tray_le_110

Entries	5966
Mean	1030
RMS	521.4
χ^2 / ndf	211.2 / 69
Constant	200.3 ± 10.8
MPV	1052 ± 0.4
Sigma	4.401 ± 0.202

LE time (ns)

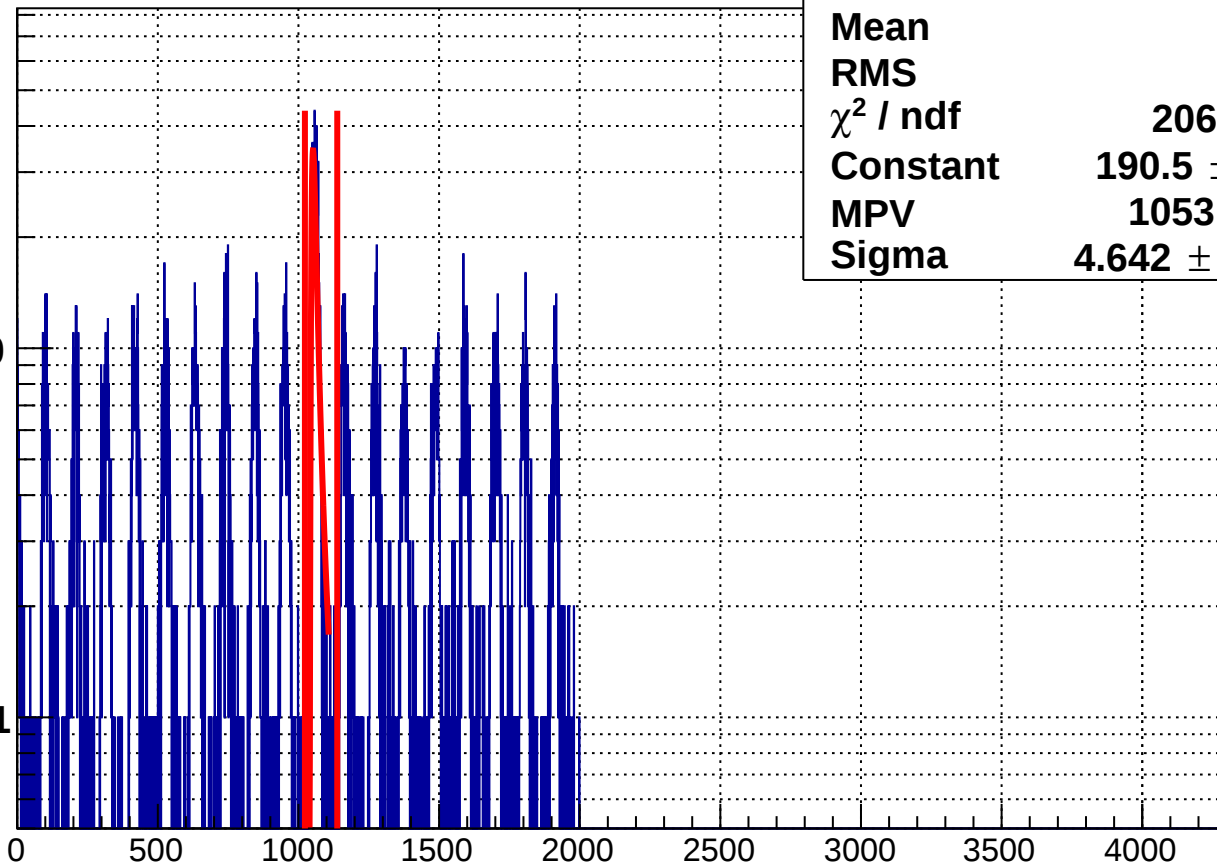
Run# 18103016

tray_le_111

count

10

1



Entries

5649

Mean

999.1

RMS

515

χ^2 / ndf

206.8 / 71

Constant

190.5 ± 10.6

MPV

1053 ± 0.4

Sigma

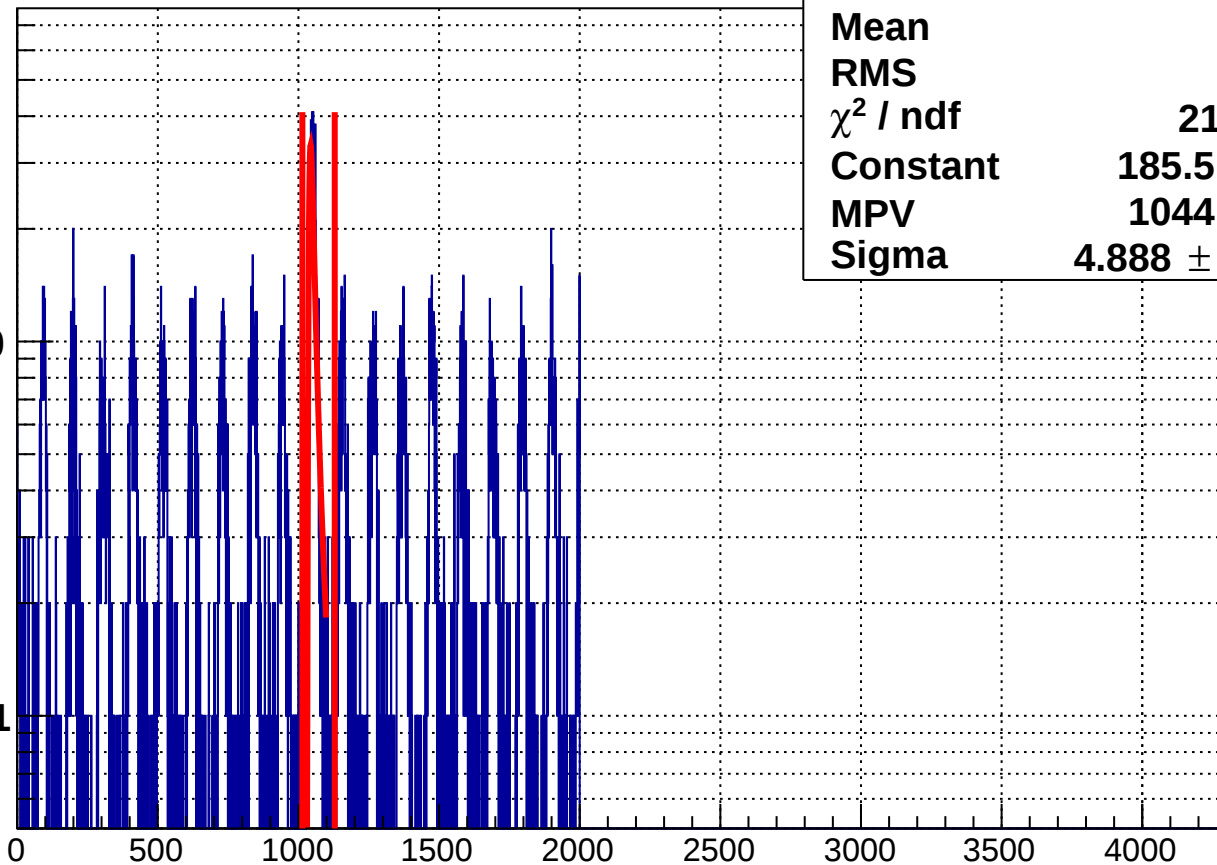
4.642 ± 0.228

Run# 18103016

count

10

1



tray_le_112

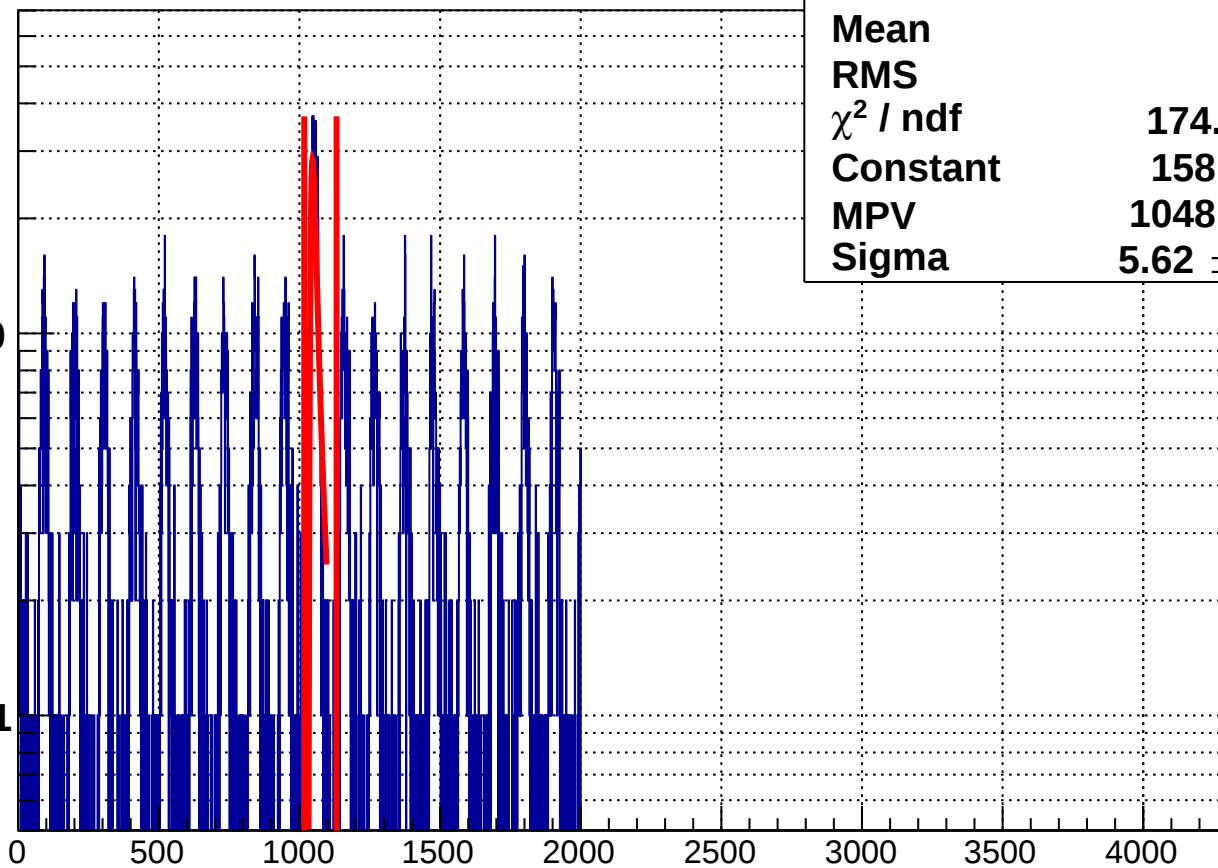
Entries	5637
Mean	1014
RMS	518.6
χ^2 / ndf	210 / 68
Constant	185.5 ± 9.6
MPV	1044 ± 0.4
Sigma	4.888 ± 0.217

Run# 18103016

count

10

1

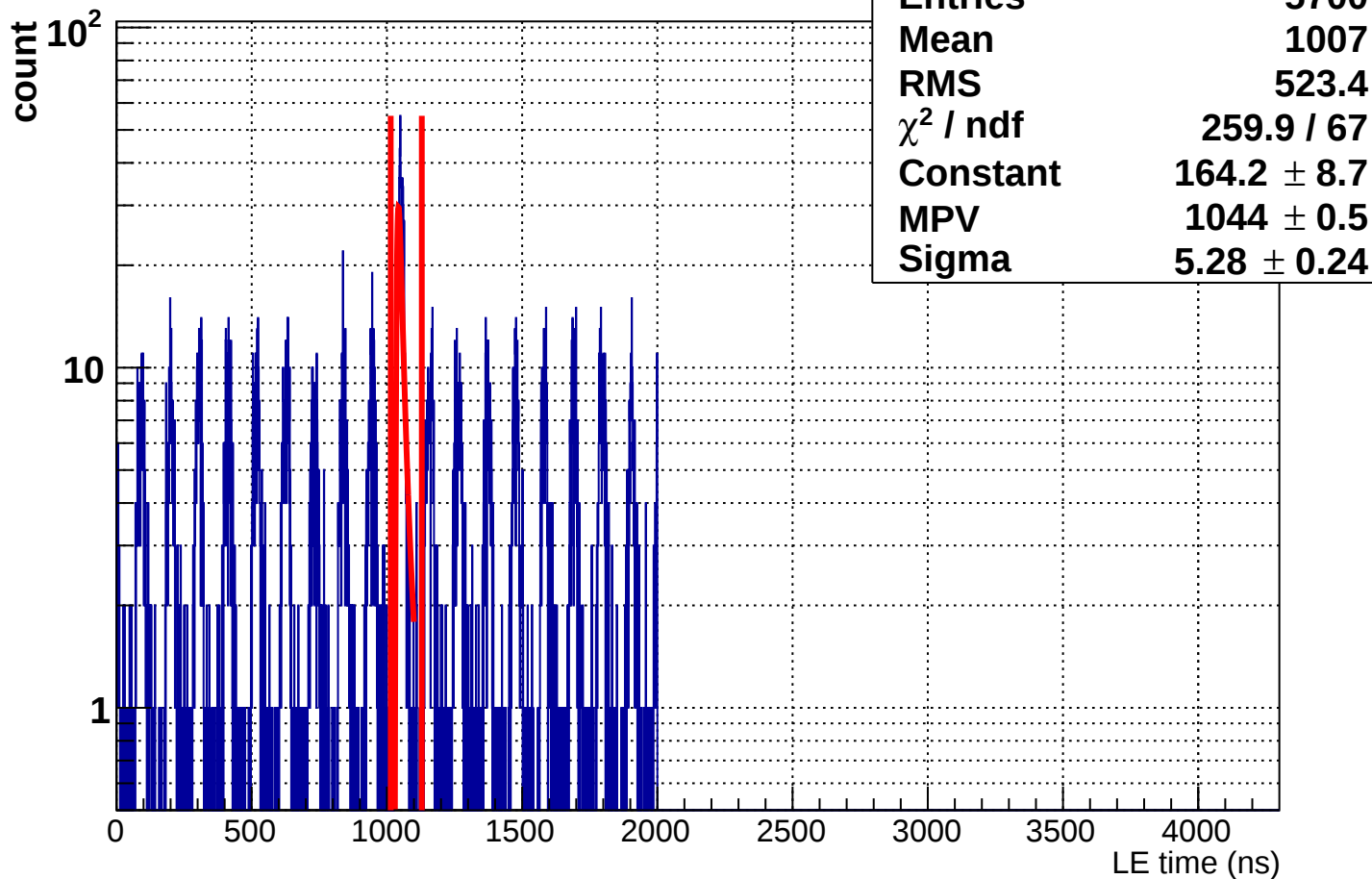


tray_le_113

Entries	5721
Mean	1004
RMS	524.5
χ^2 / ndf	174.1 / 67
Constant	158 ± 9.0
MPV	1048 ± 0.5
Sigma	5.62 ± 0.30

Run# 18103016

tray_le_114



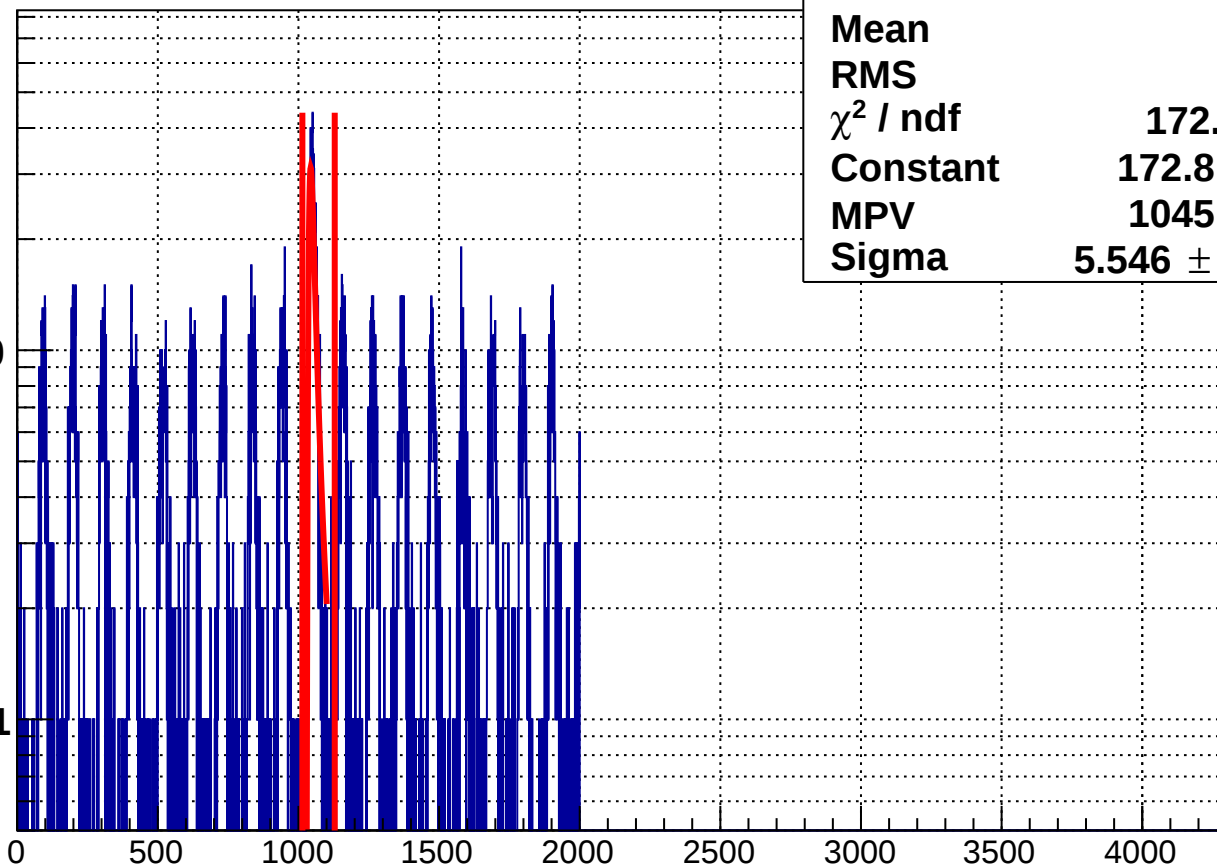
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Run# 18103016

count

10

1



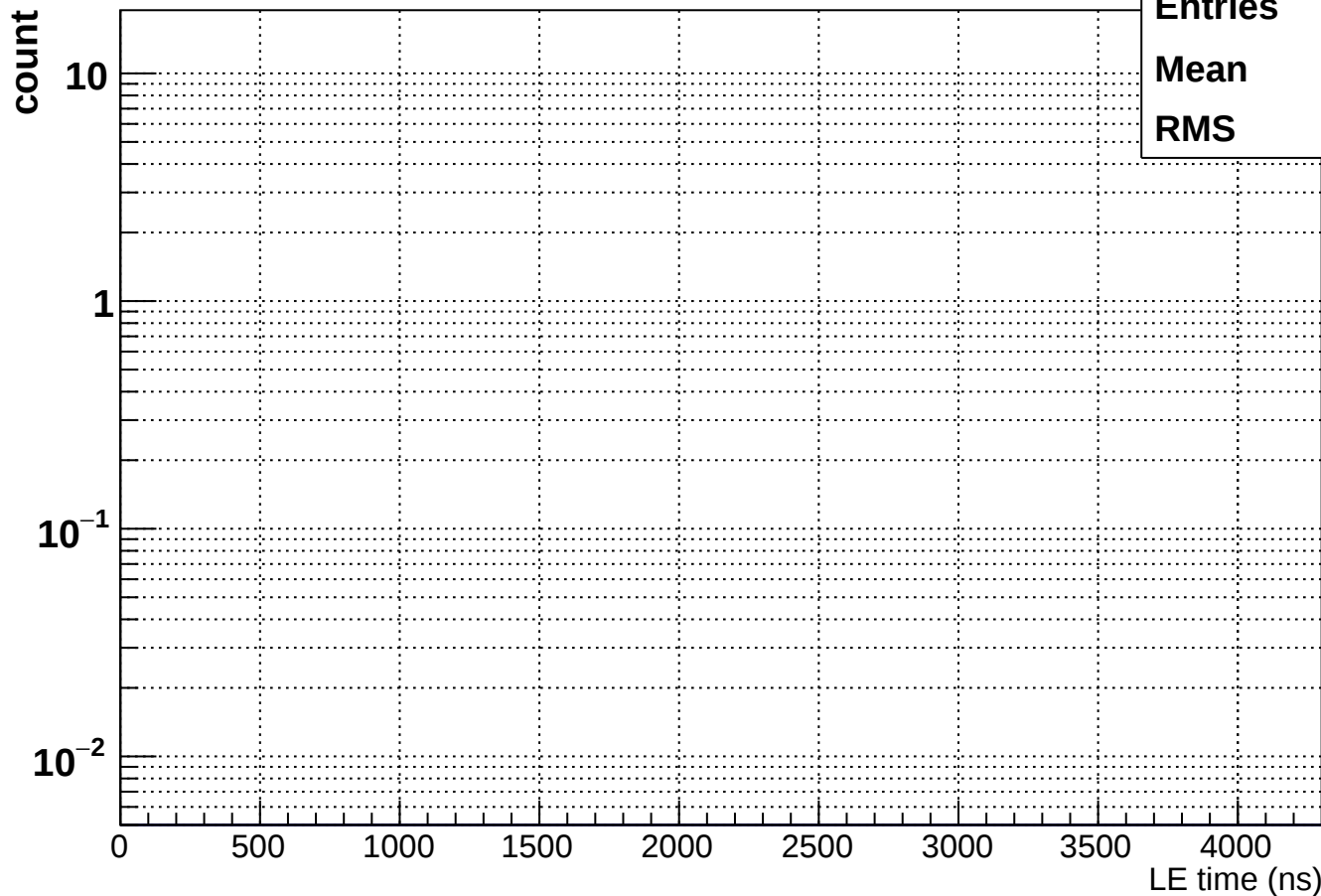
tray_le_115

Entries	5806
Mean	1000
RMS	516.2
χ^2 / ndf	172.5 / 69
Constant	172.8 ± 8.7
MPV	1045 ± 0.5
Sigma	5.546 ± 0.242

Run# 18103016

tray_le_116

Entries	0
Mean	0
RMS	0

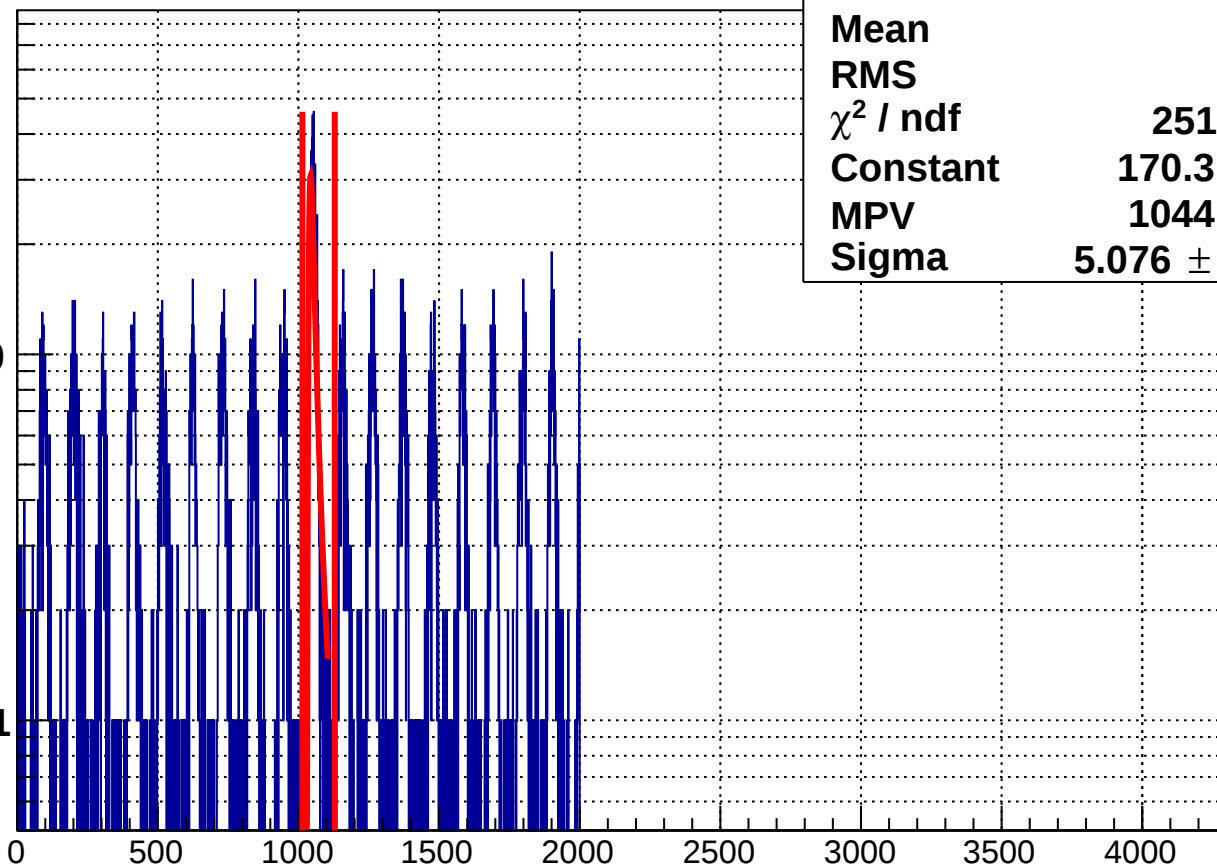


Run# 18103016

count

10

1



tray_le_117

Entries	5746
Mean	1016
RMS	518.8
χ^2 / ndf	251.9 / 71
Constant	170.3 ± 9.5
MPV	1044 ± 0.5
Sigma	5.076 ± 0.246

LE time (ns)

Run# 18103016

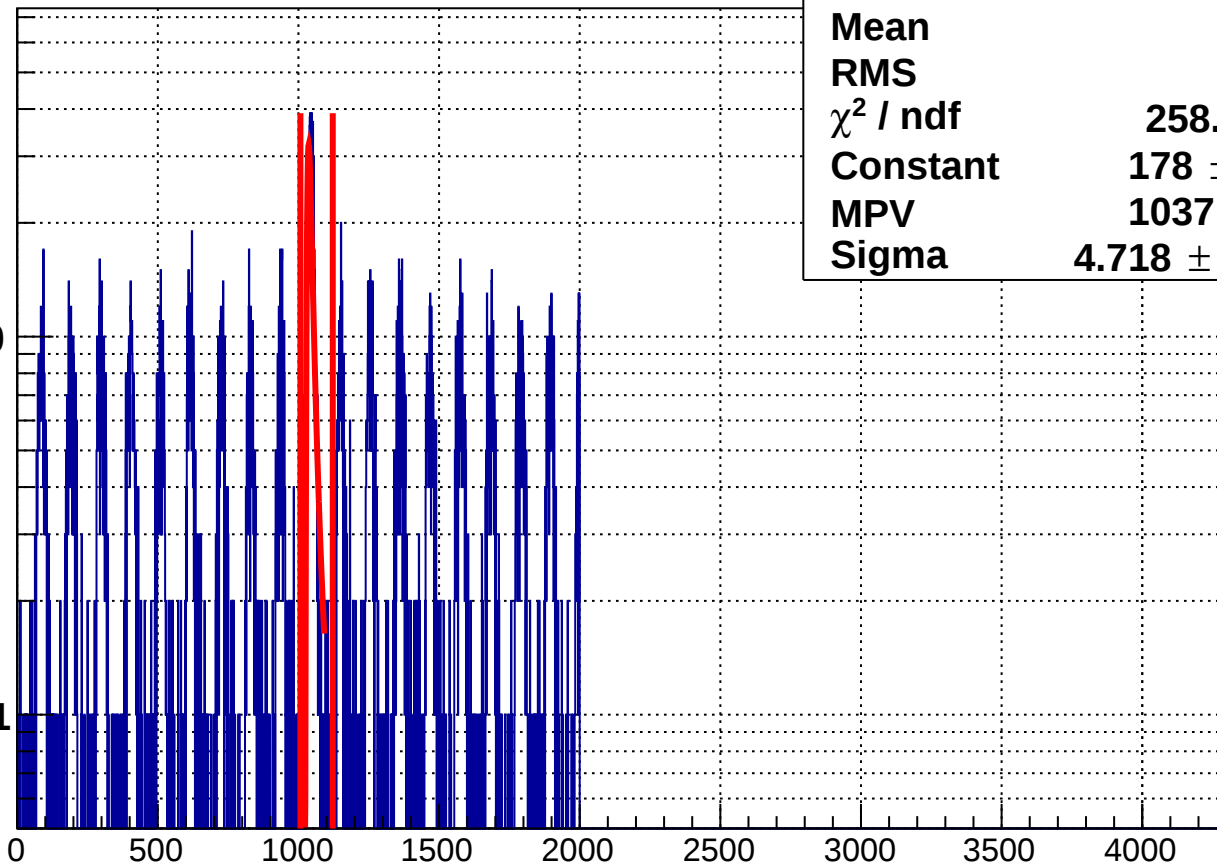
tray_le_118

count

10

1

Entries	5780
Mean	1012
RMS	525.6
χ^2 / ndf	258.2 / 77
Constant	178 ± 10.8
MPV	1037 ± 0.6
Sigma	4.718 ± 0.258



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Run# 18103016

count

10^2

10

1

0

500

1000

1500

2000

2500

3000

3500

4000

LE time (ns)

tray_le_119

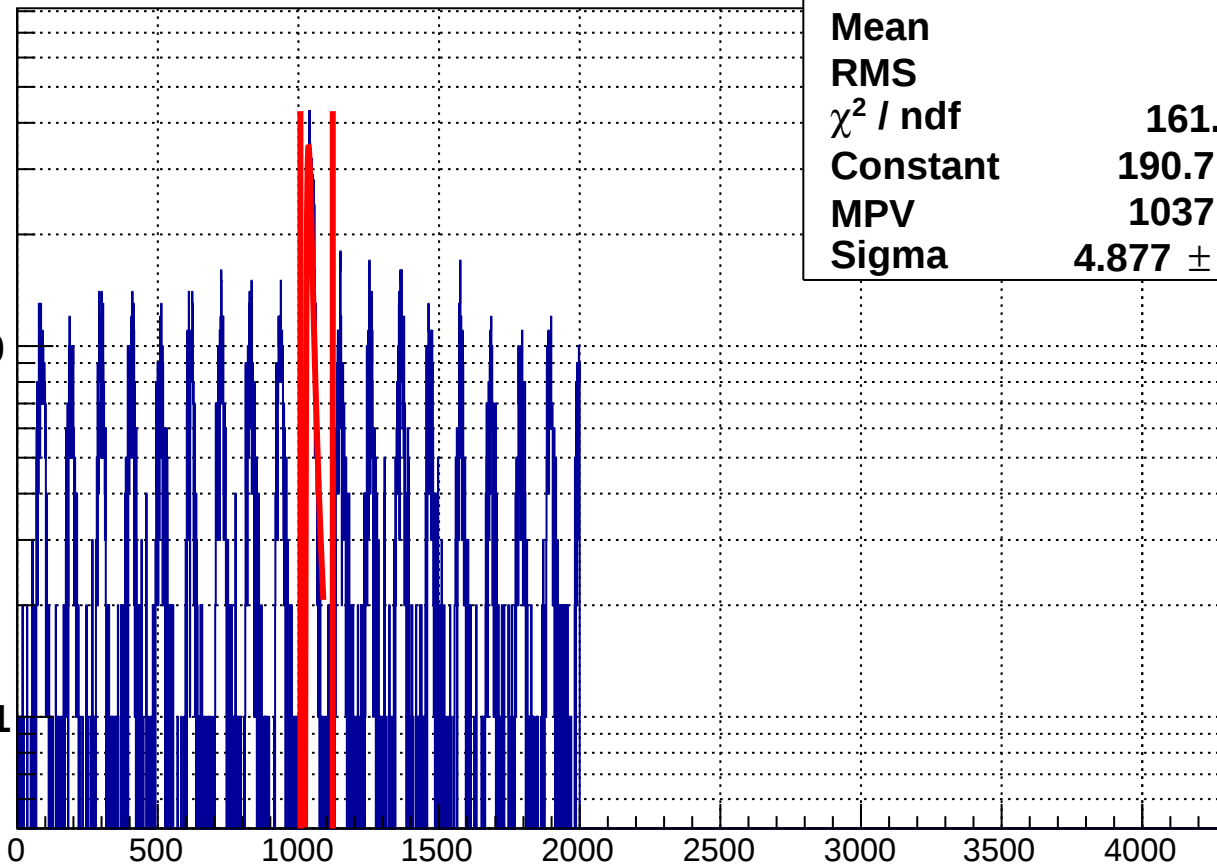
Entries	5612
Mean	1023
RMS	525.5
χ^2 / ndf	215.8 / 72
Constant	168.3 ± 9.1
MPV	1036 ± 0.4
Sigma	5.05 ± 0.24

Run# 18103016

count

10

1



tray_le_120

Entries	5711
Mean	999.5
RMS	517.6
χ^2 / ndf	161.9 / 67
Constant	190.7 ± 9.5
MPV	1037 ± 0.4
Sigma	4.877 ± 0.204

Run# 18103016

tray_le_121

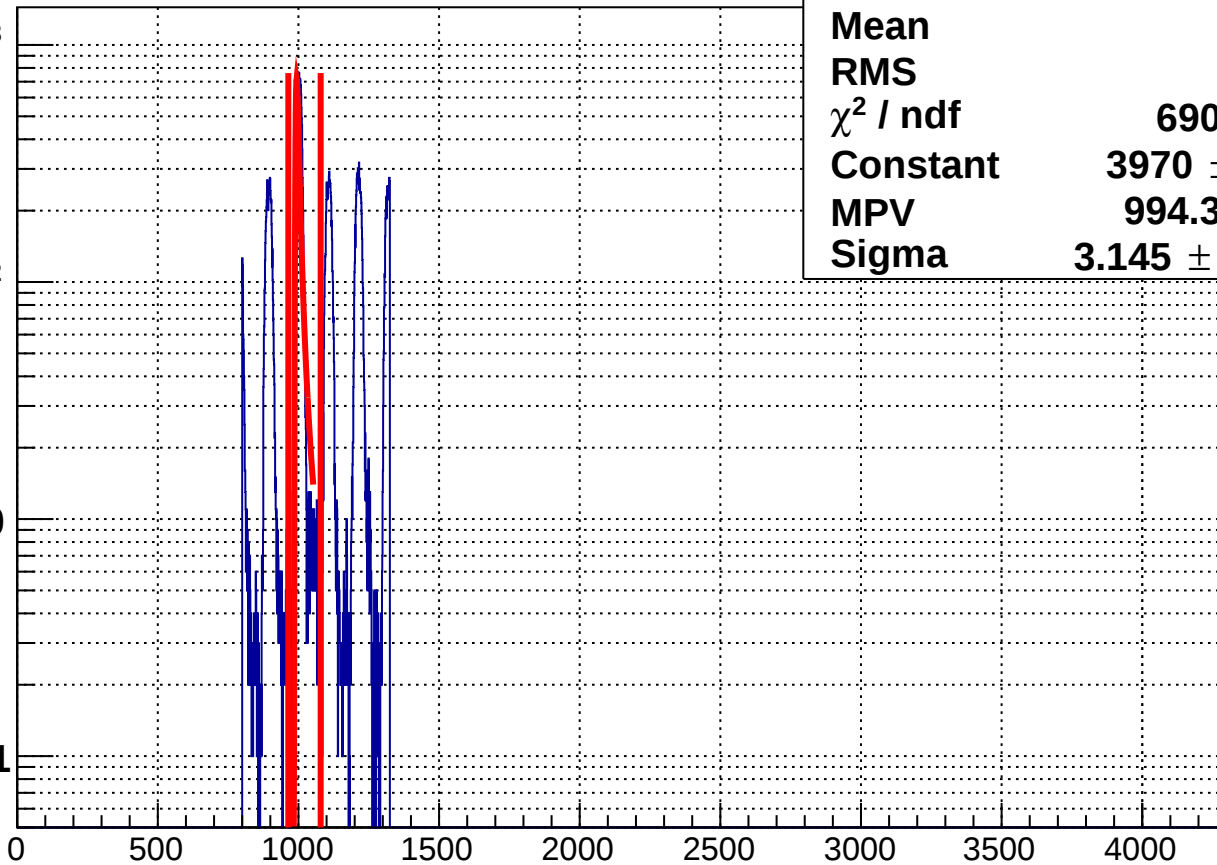
count

10^3

10^2

10

1



Entries	45567
Mean	1066
RMS	132.2
χ^2 / ndf	6900 / 95
Constant	3970 ± 53.6
MPV	994.3 ± 0.1
Sigma	3.145 ± 0.033

LE time (ns)

Run# 18103016

tray_le_122

count

10^3

10^2

10

1

0

500

1000

1500

2000

2500

3000

3500

4000

LE time (ns)

Entries

67074

Mean

1103

RMS

131.1

χ^2 / nfd

9906 / 94

Constant

5657 ± 64.5

MPV

1053 ± 0.1

Sigma

3.08 ± 0.03