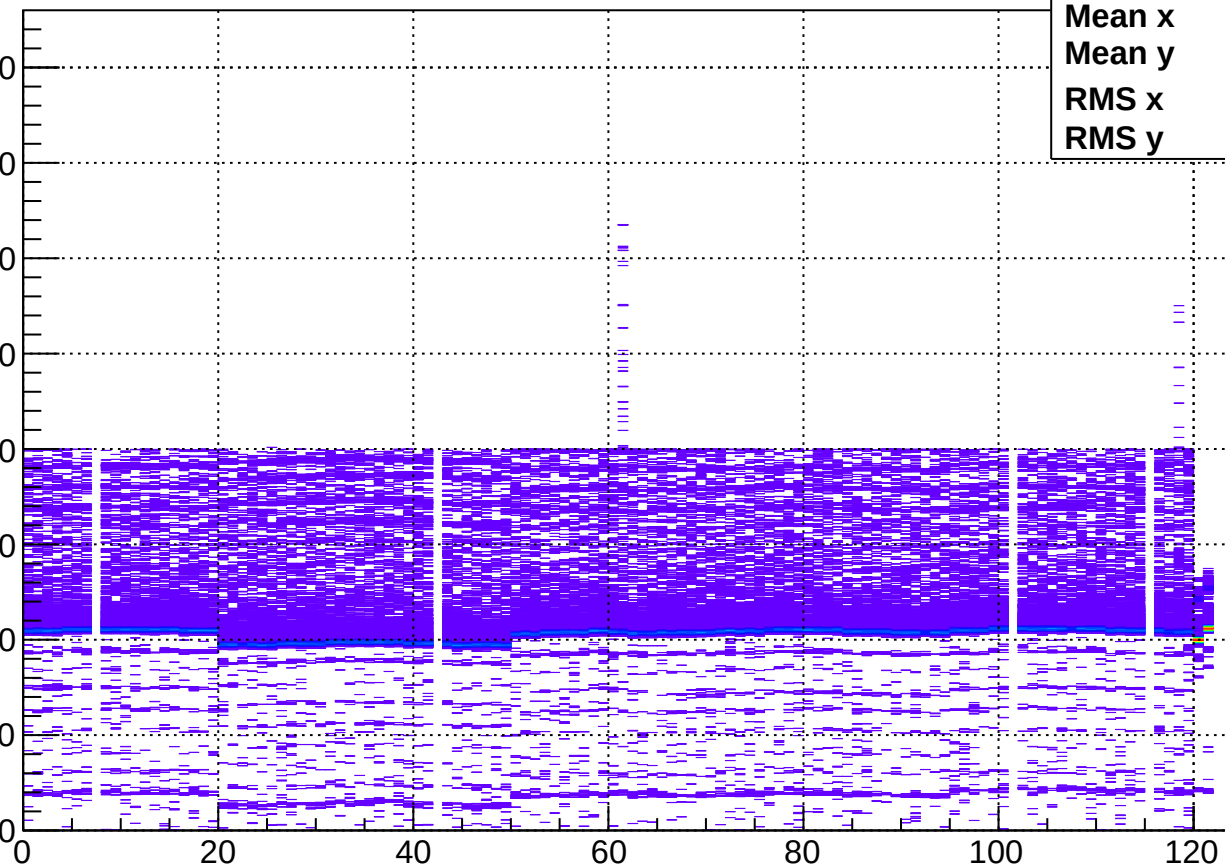


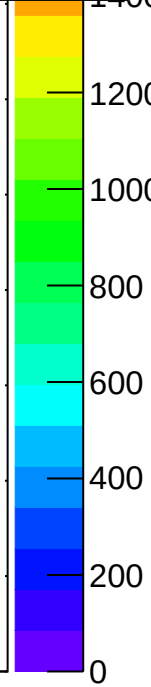
leTrg

LE Time (ns)

4000
3500
3000
2500
2000
1500
1000
500
0



leTrg	
Entries	1172038
Mean x	64.27
Mean y	1046
RMS x	36.99
RMS y	103.5

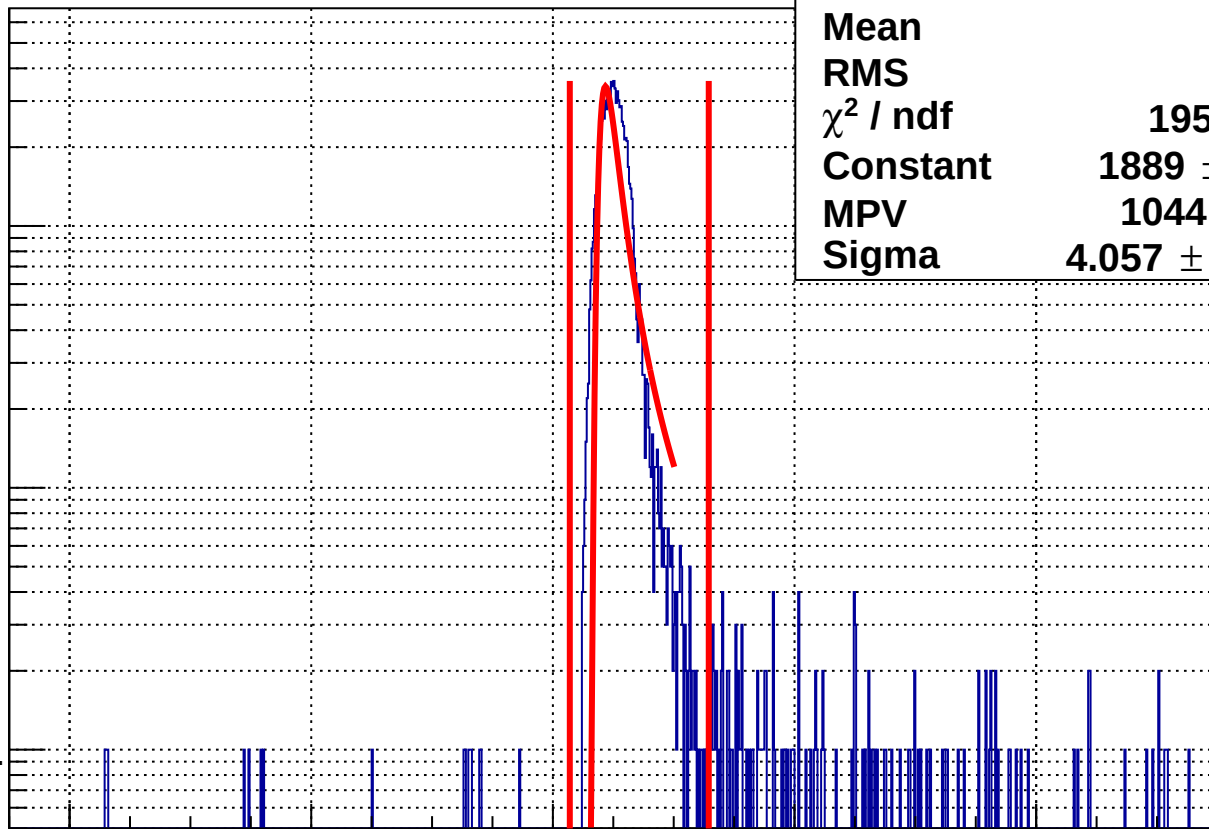


Tray #

Run# 19103014**tray_le_1****count** 10^2

10

1



Entries	9329
Mean	1054
RMS	32.39
χ^2 / ndf	1950 / 74
Constant	1889 ± 34.2
MPV	1044 ± 0.2
Sigma	4.057 ± 0.060

LE time (ns)

Run# 19103014

tray_le_2

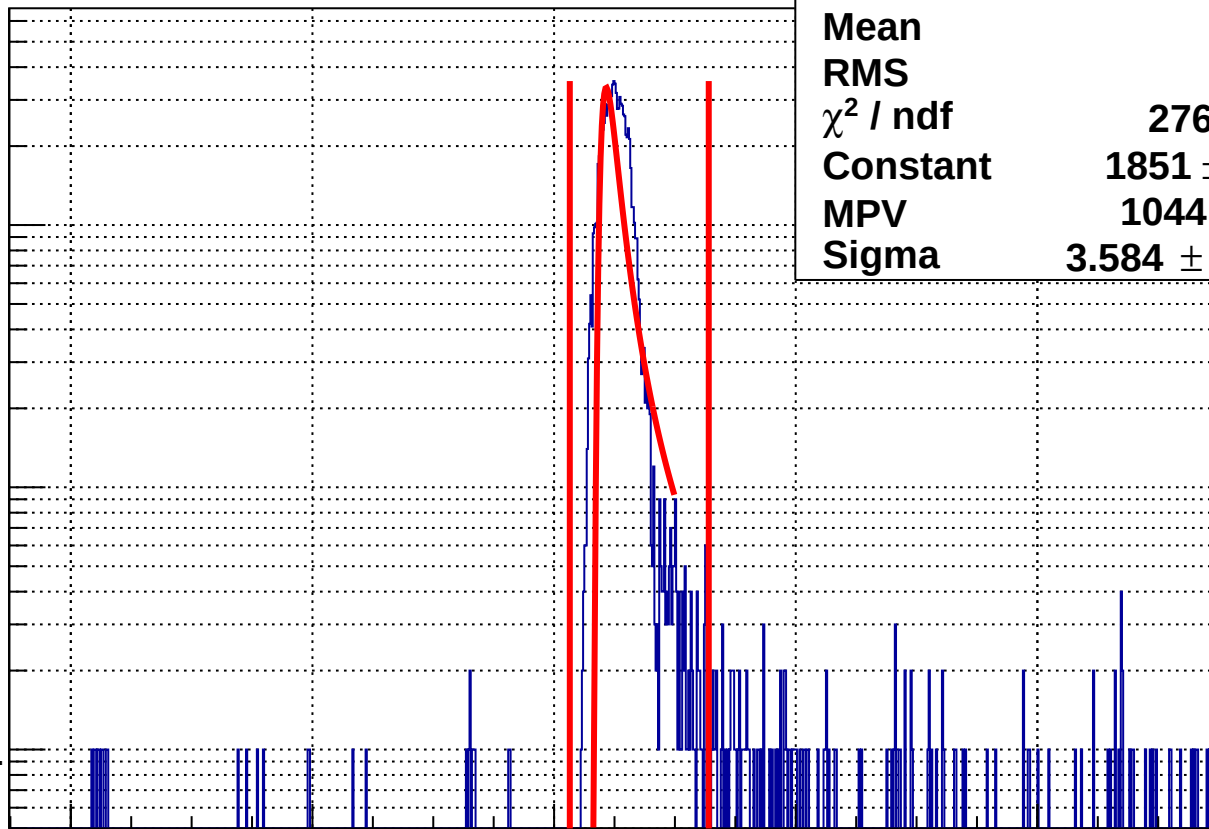
count

10^2

10

1

Entries	9292
Mean	1054
RMS	38.24
χ^2 / ndf	2765 / 75
Constant	1851 ± 35.4
MPV	1044 ± 0.2
Sigma	3.584 ± 0.055



600

800

1000

1200

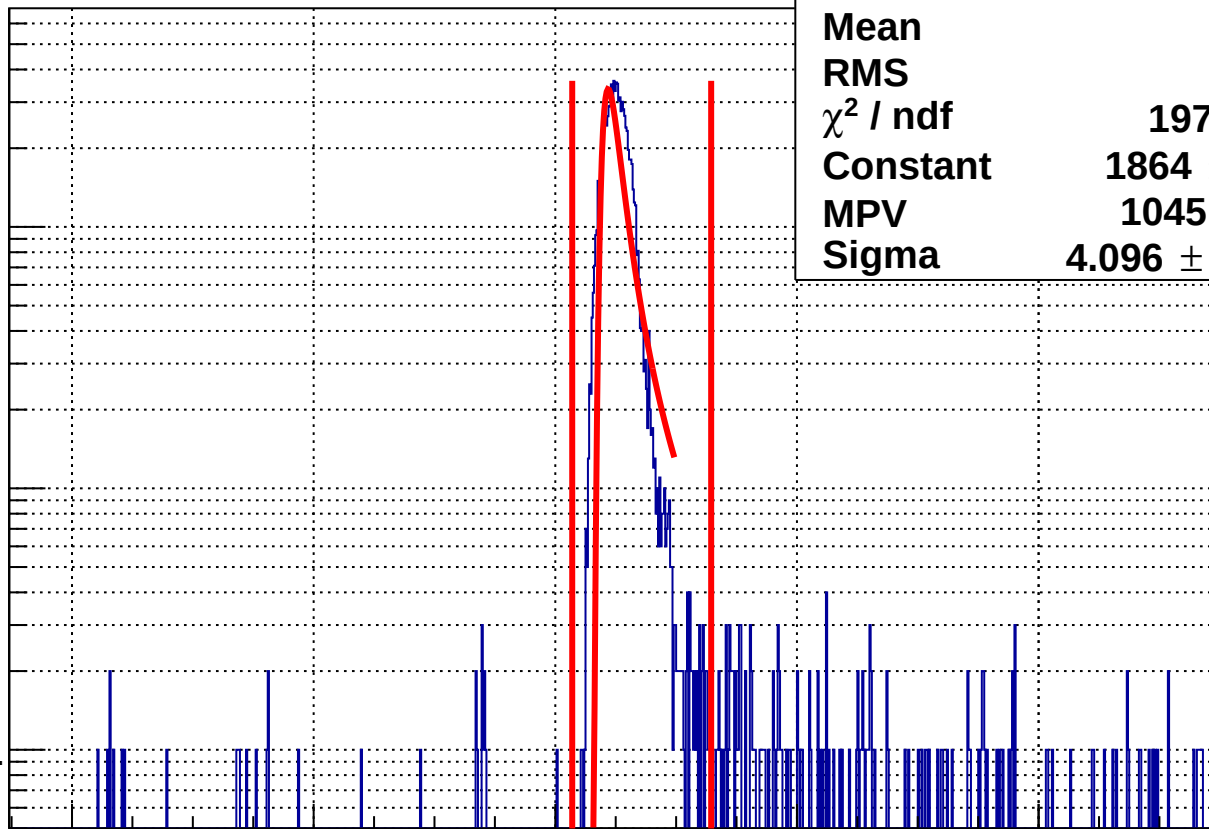
1400

LE time (ns)

Run# 19103014**tray_le_3****count** 10^2

10

1



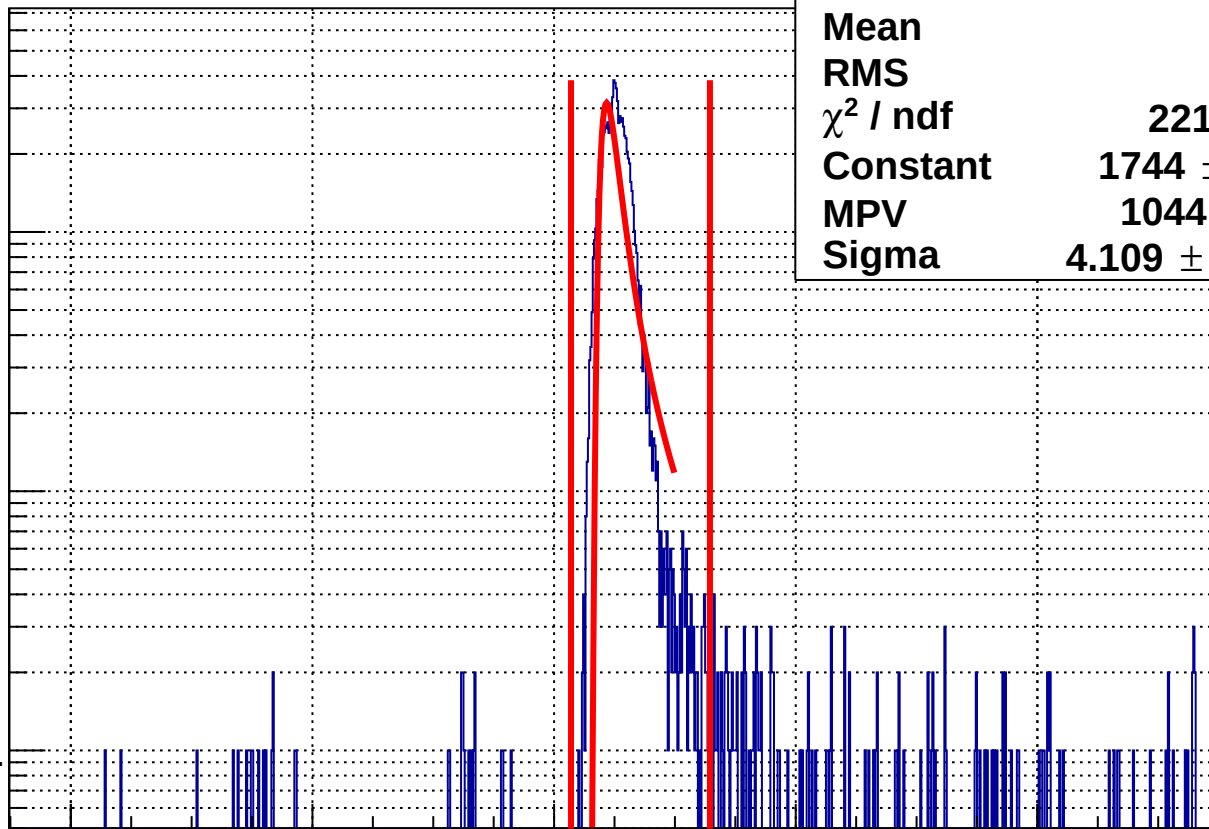
Entries	9319
Mean	1055
RMS	39.36
χ^2 / ndf	1975 / 75
Constant	1864 ± 34.1
MPV	1045 ± 0.2
Sigma	4.096 ± 0.062

LE time (ns)

Run# 19103014**tray_le_4****count** 10^2

10

1



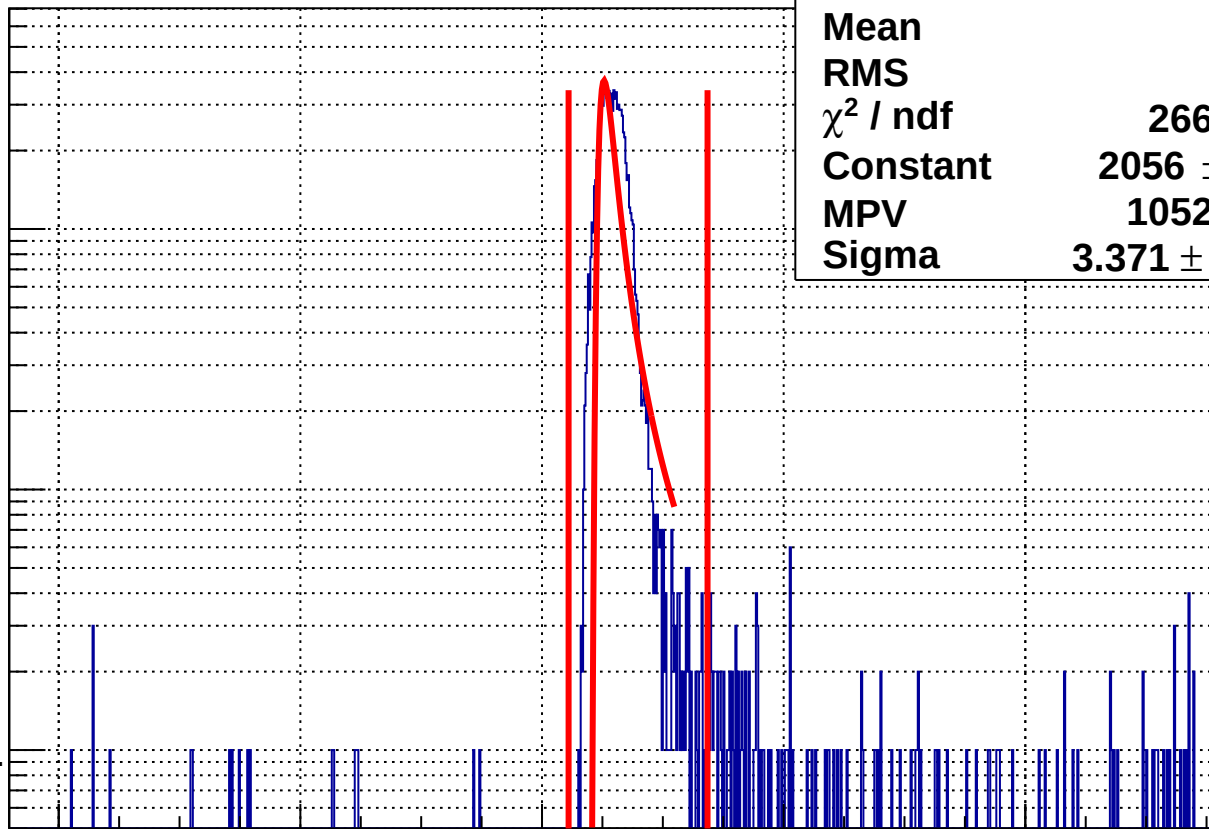
Entries	9162
Mean	1055
RMS	37.07
χ^2 / ndf	2215 / 75
Constant	1744 ± 33.2
MPV	1044 ± 0.2
Sigma	4.109 ± 0.065

LE time (ns)

Run# 19103014**tray_le_5****count** 10^2

10

1



Entries	9476
Mean	1062
RMS	36.88
χ^2 / ndf	2663 / 76
Constant	2056 ± 37.9
MPV	1052 ± 0.1
Sigma	3.371 ± 0.049

LE time (ns)

Run# 19103014

tray_le_6

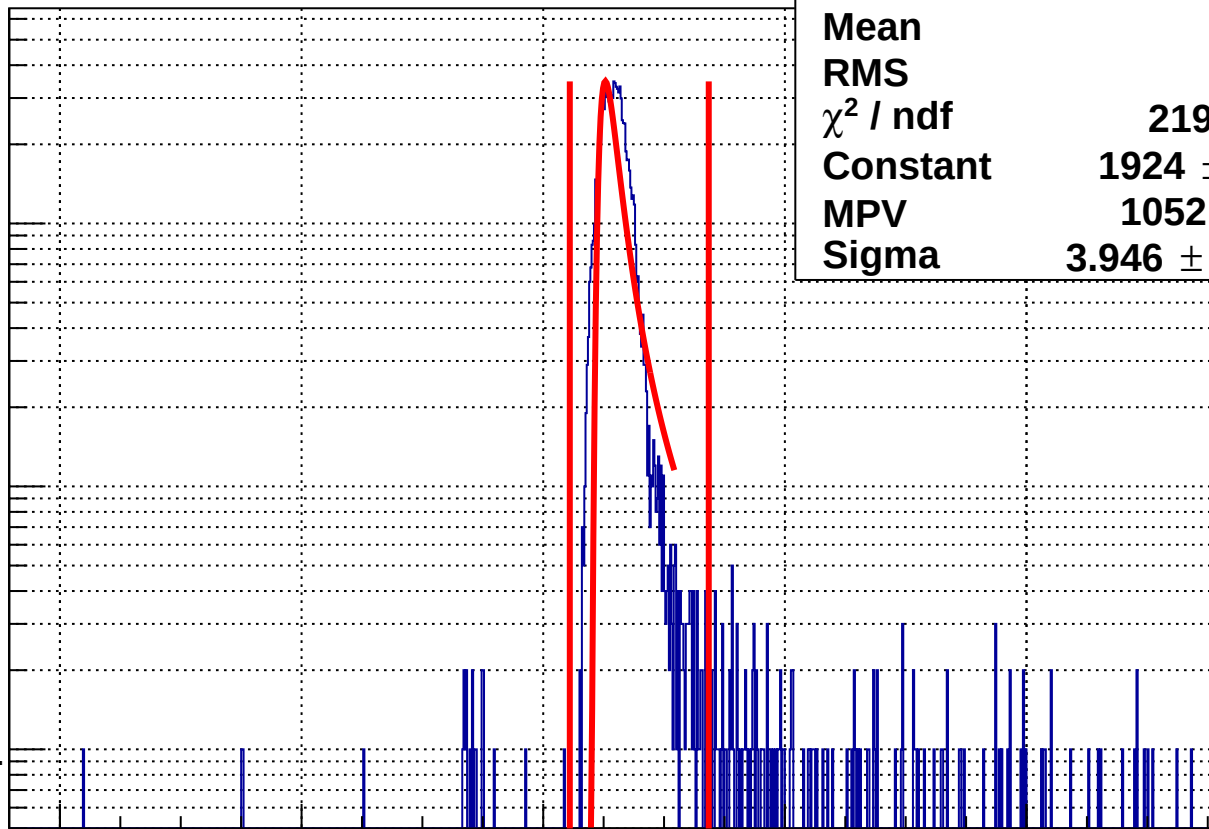
count

10^2

10

1

Entries	9524
Mean	1062
RMS	31.49
χ^2 / nfd	2198 / 76
Constant	1924 ± 34.4
MPV	1052 ± 0.2
Sigma	3.946 ± 0.058



600

800

1000

1200

1400

LE time (ns)

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Run# 19103014

tray_le_7

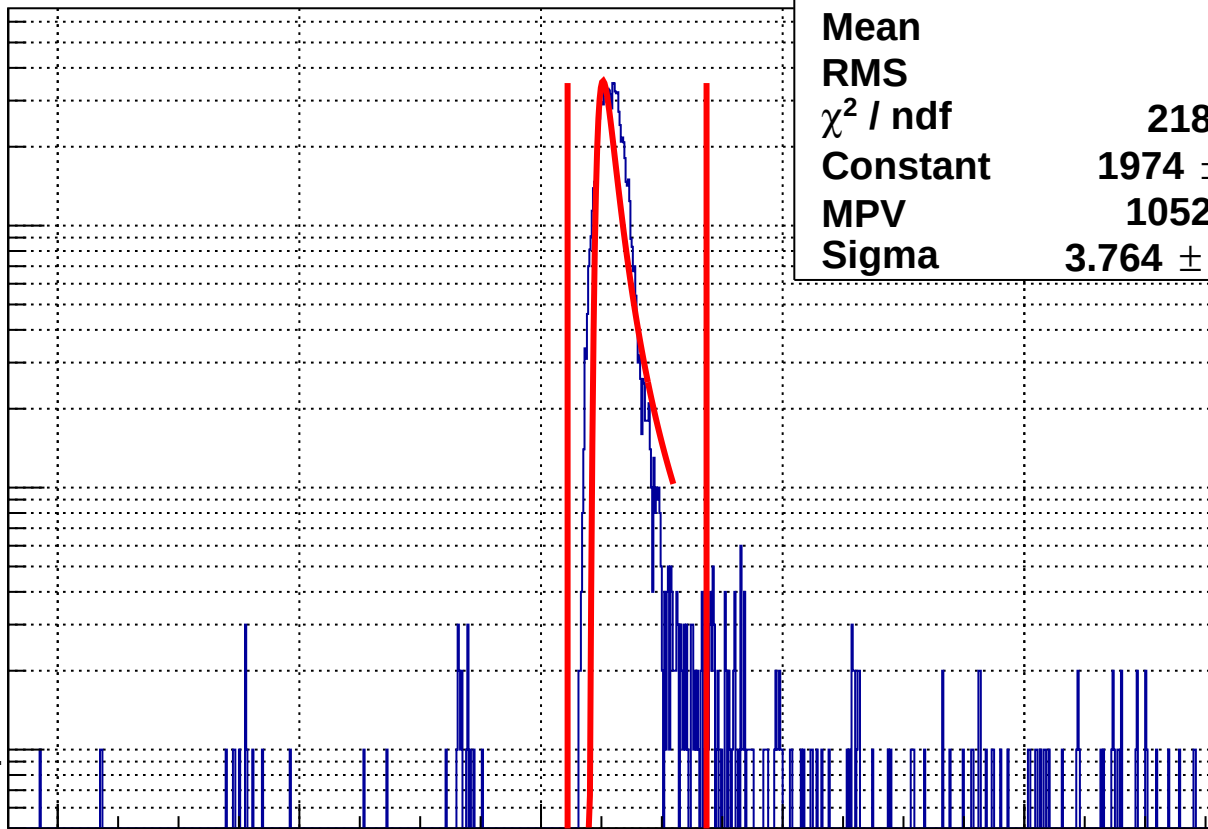
count

10^2

10

1

Entries	9383
Mean	1062
RMS	36.63
χ^2 / ndf	2180 / 75
Constant	1974 ± 35.9
MPV	1052 ± 0.1
Sigma	3.764 ± 0.056

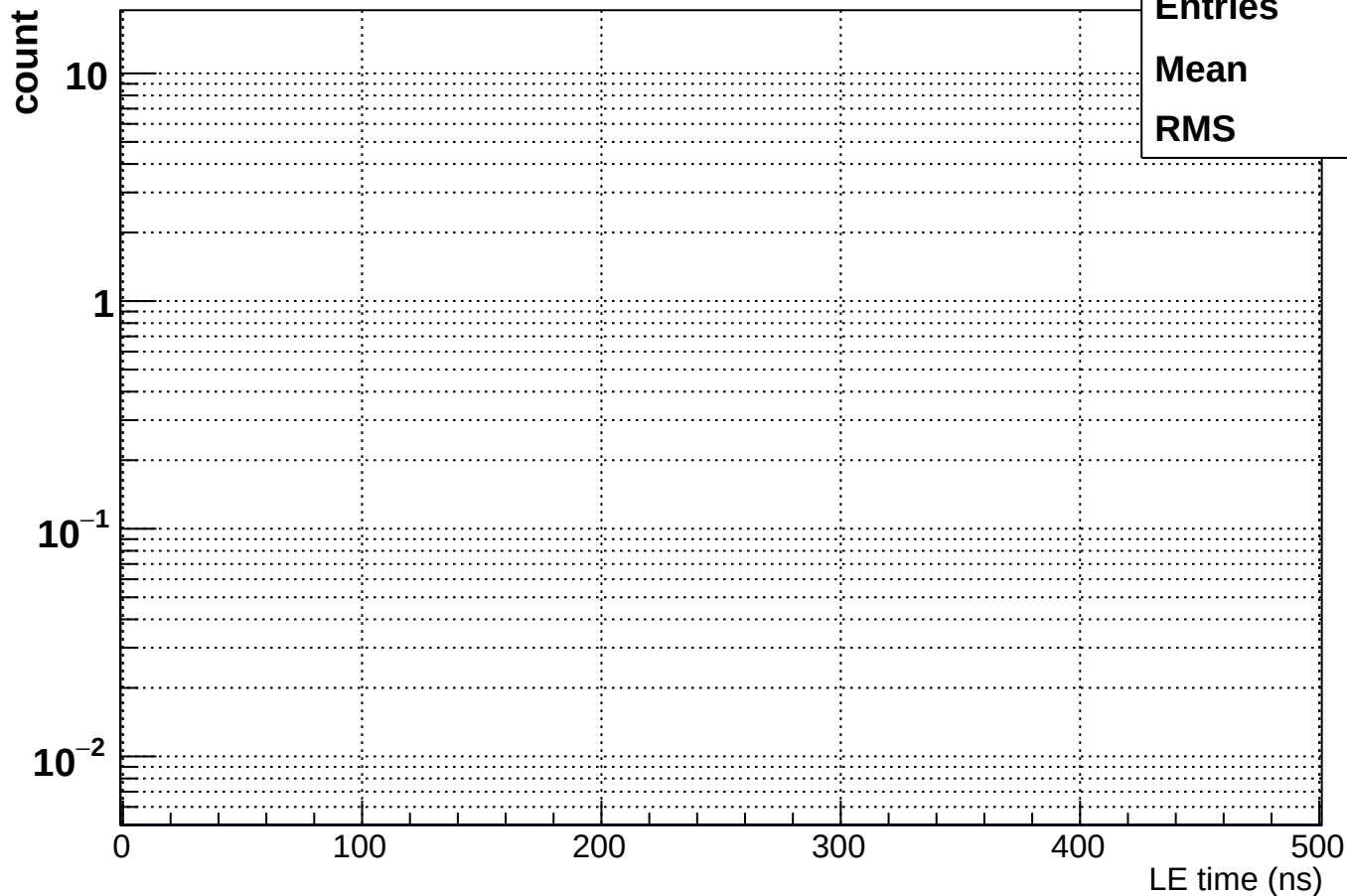


LE time (ns)

Run# 19103014

tray_le_8

Entries	0
Mean	0
RMS	0

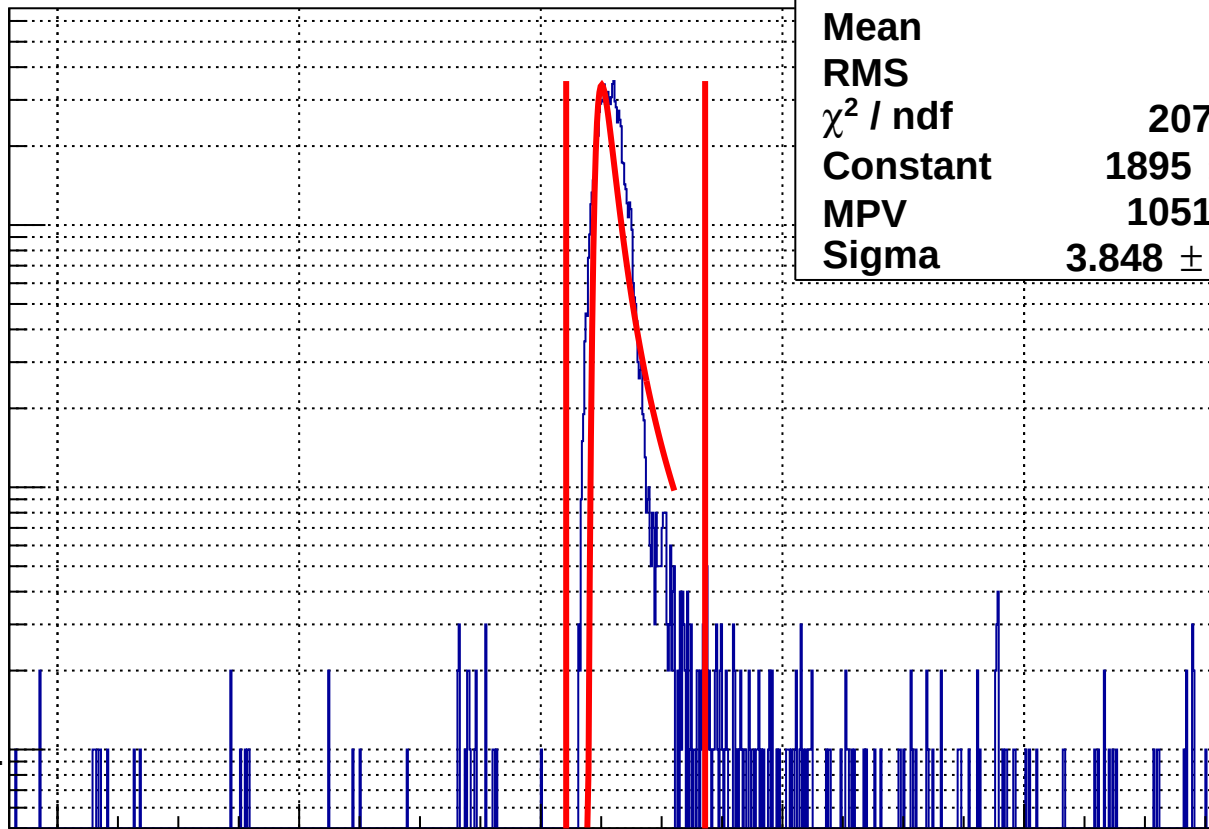


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Run# 19103014**tray_le_9****count** 10^2

10

1

**Entries****9210****Mean****1061****RMS****39.13** χ^2 / ndf **2079 / 77****Constant** **1895 ± 35.1** **MPV** **1051 ± 0.2** **Sigma** **3.848 ± 0.058**

LE time (ns)

Run# 19103014

tray_le_10

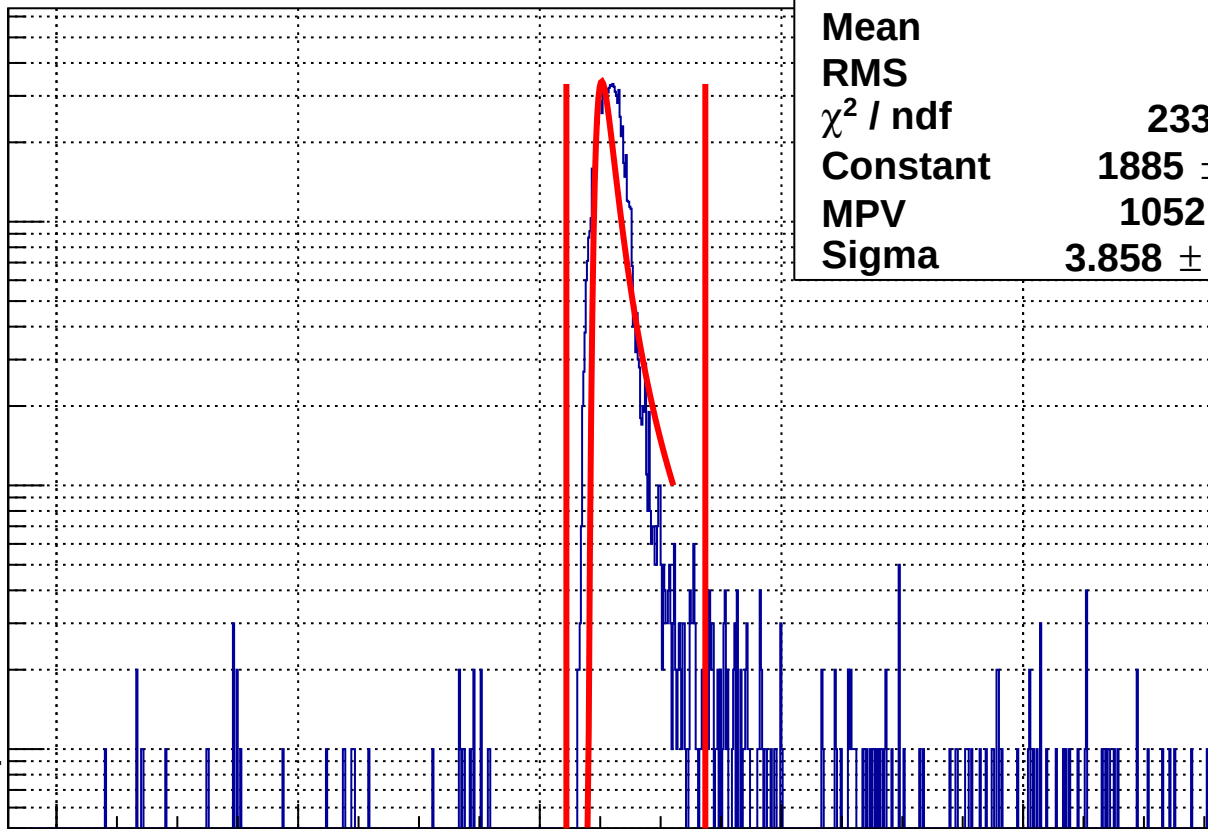
count

10^2

10

1

Entries	9448
Mean	1062
RMS	37.34
χ^2 / ndf	2334 / 77
Constant	1885 ± 35.3
MPV	1052 ± 0.2
Sigma	3.858 ± 0.060



600

800

1000

1200

1400

LE time (ns)

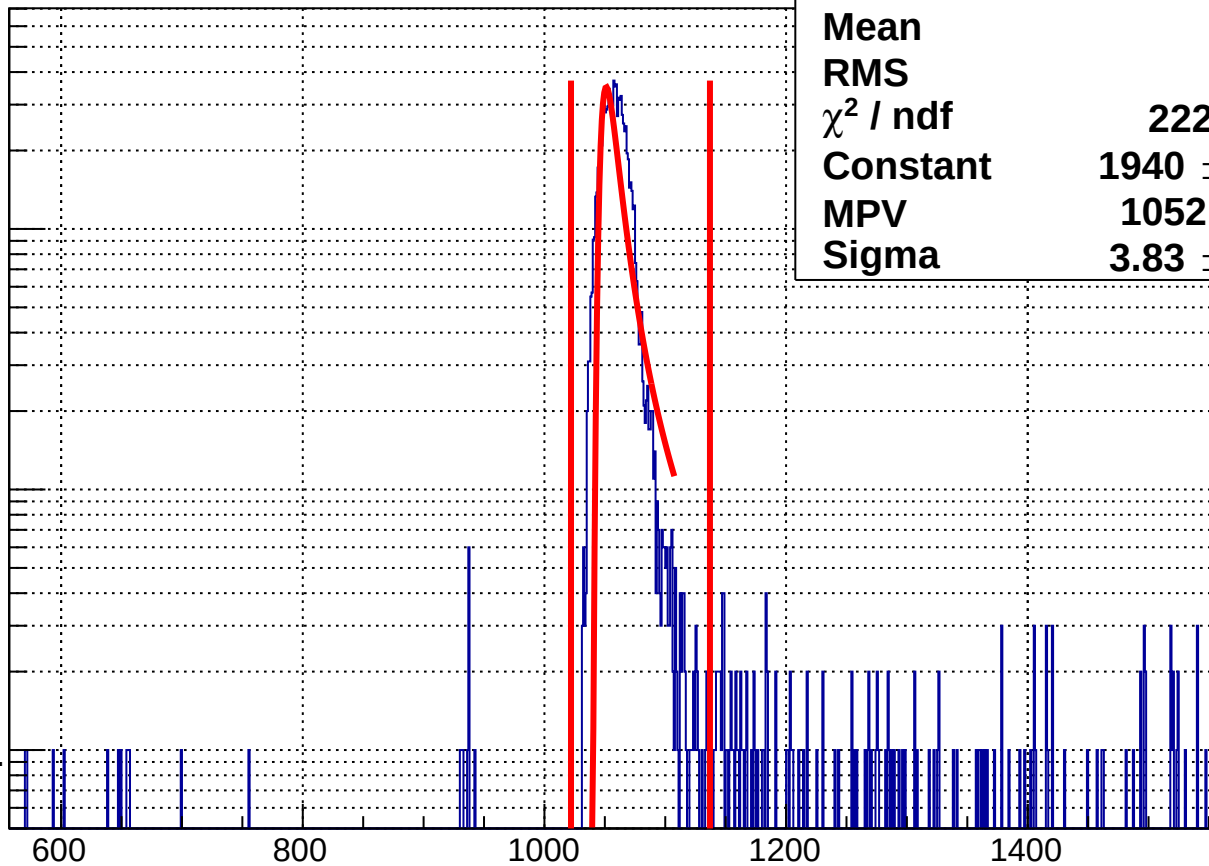
Run# 19103014

count

10^2

10

1



tray_le_11

Entries	9430
Mean	1062
RMS	39.44
χ^2 / ndf	2229 / 74
Constant	1940 ± 35.6
MPV	1052 ± 0.2
Sigma	3.83 ± 0.06

Run# 19103014

tray_le_12

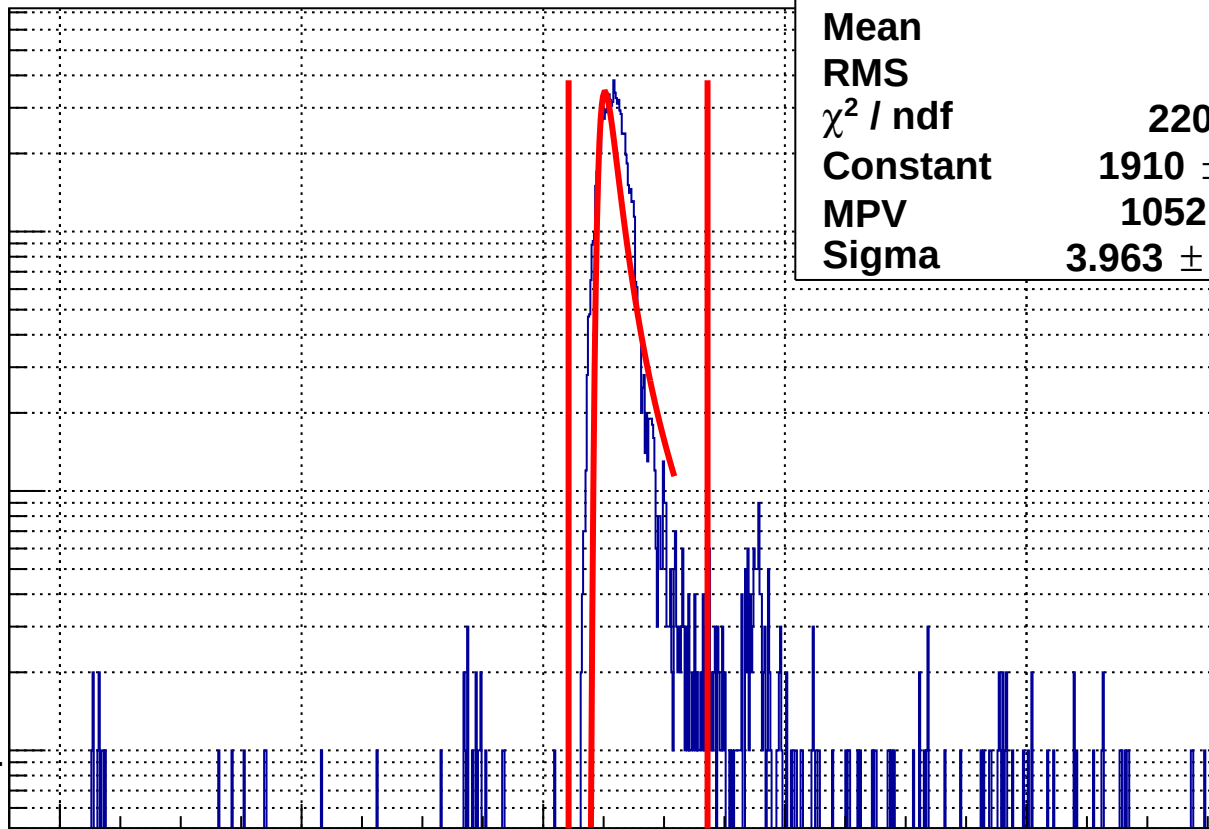
count

10^2

10

1

Entries	9596
Mean	1062
RMS	35.89
χ^2 / ndf	2205 / 76
Constant	1910 ± 34.3
MPV	1052 ± 0.2
Sigma	3.963 ± 0.058



LE time (ns)

Run# 19103014

tray_le_13

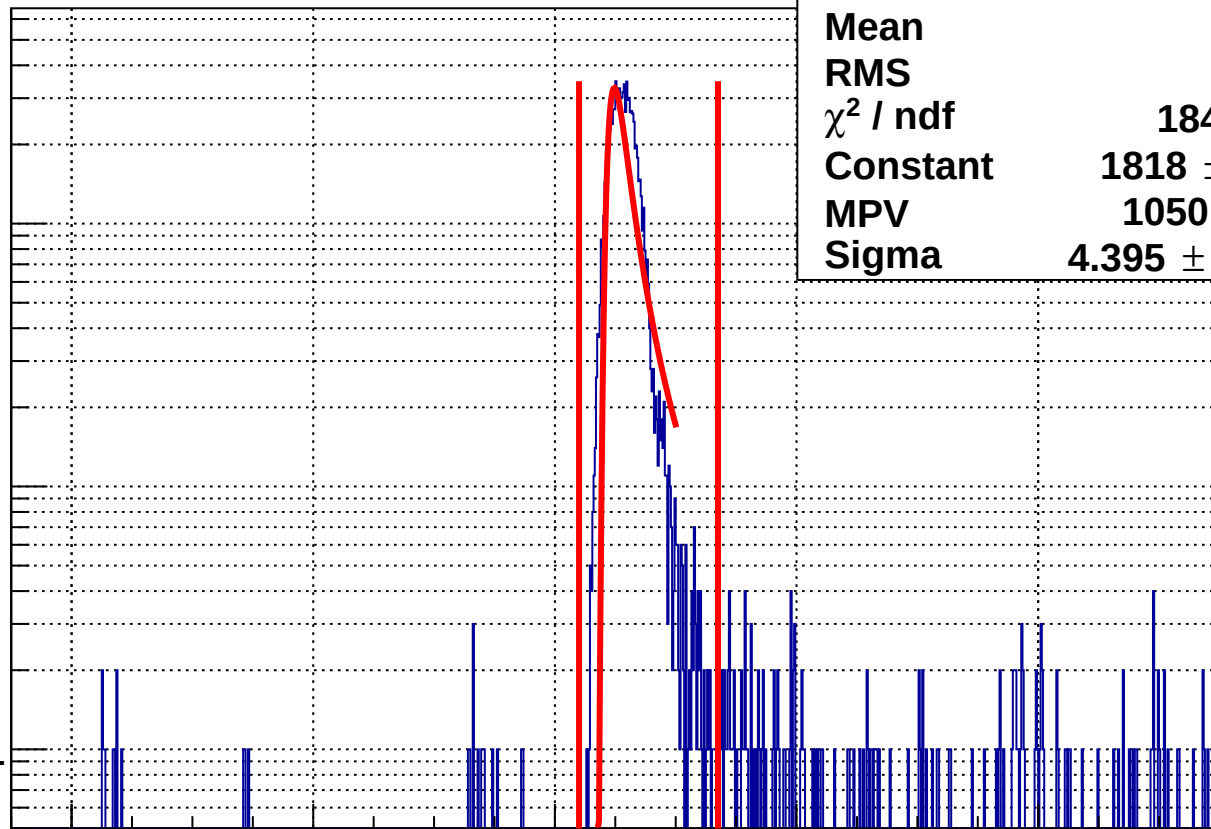
count

10^2

10

1

Entries	9438
Mean	1062
RMS	41.61
χ^2 / ndf	1842 / 71
Constant	1818 ± 32.4
MPV	1050 ± 0.2
Sigma	4.395 ± 0.066



600

800

1000

1200

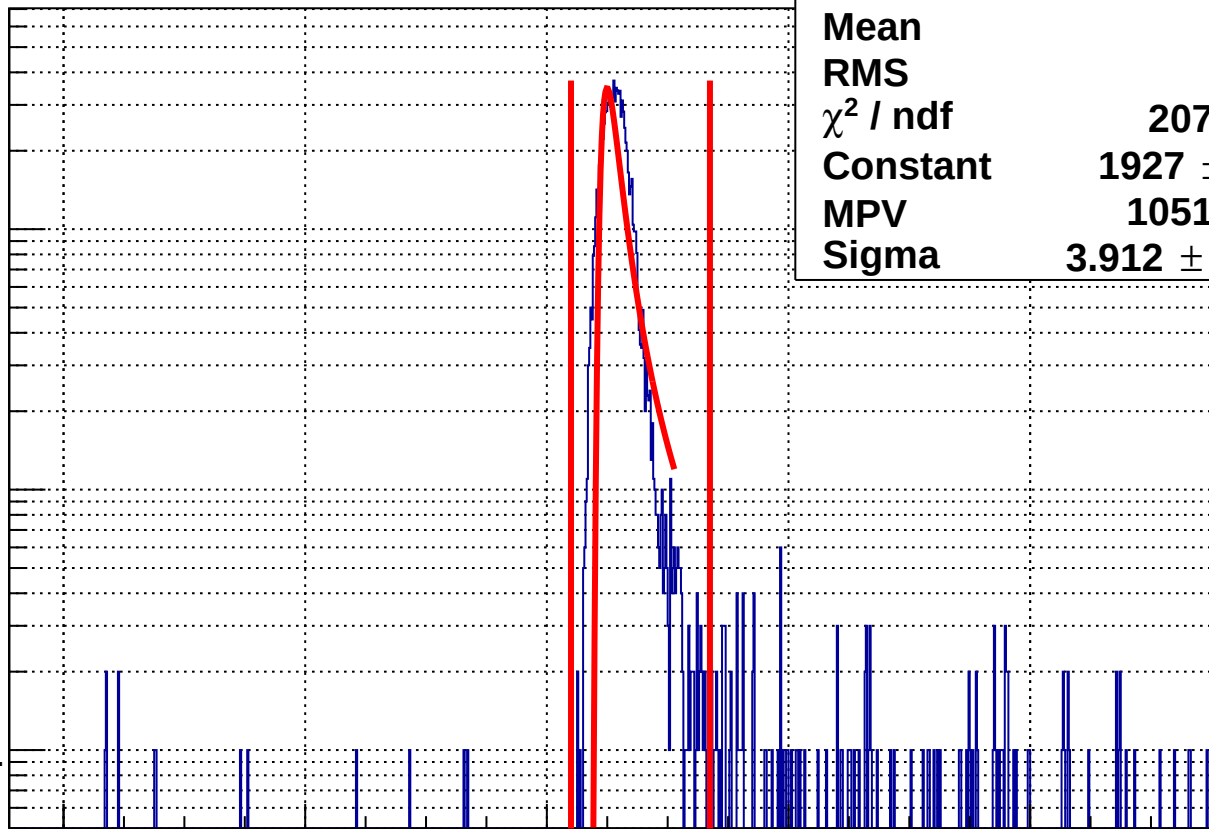
1400

LE time (ns)

Run# 19103014**tray_le_14****count** 10^2

10

1



Entries	9358
Mean	1061
RMS	34.98
χ^2 / ndf	2078 / 75
Constant	1927 ± 36.3
MPV	1051 ± 0.2
Sigma	3.912 ± 0.062

LE time (ns)

Run# 19103014

tray_le_15

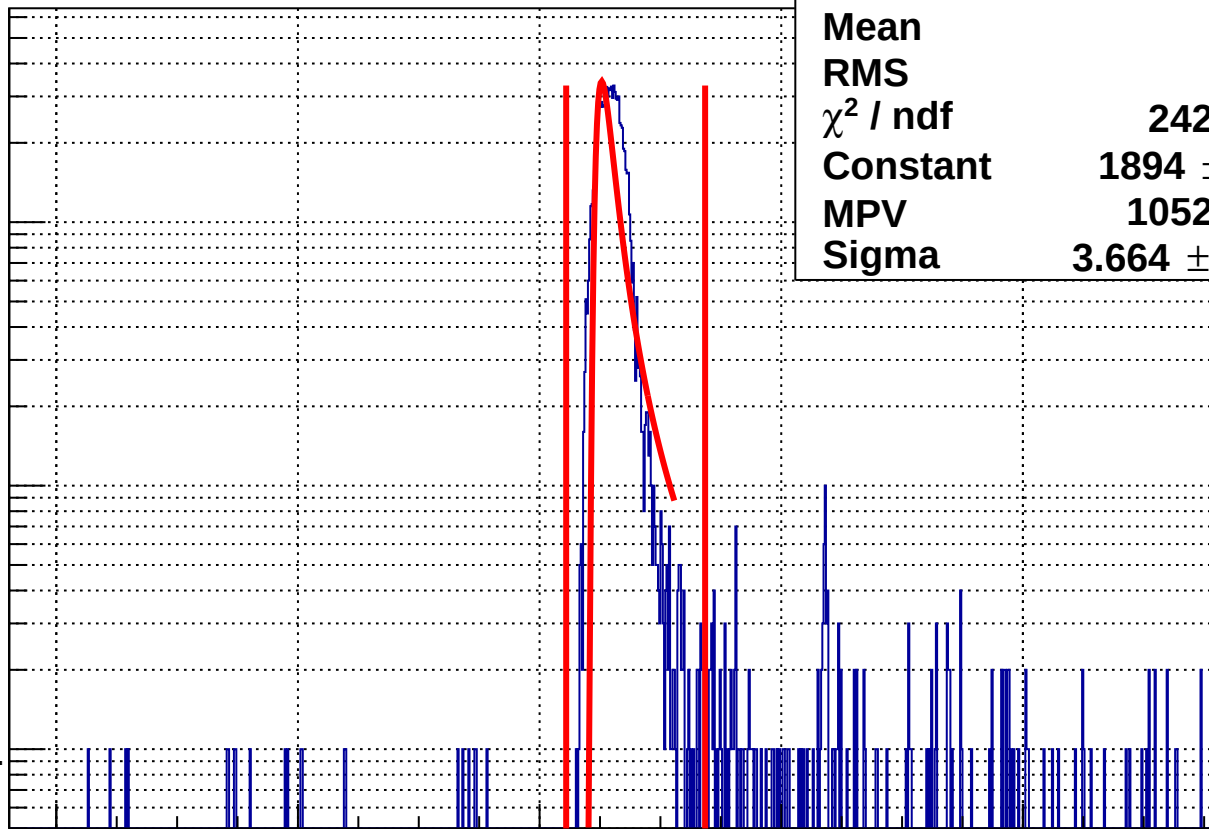
count

10^2

10

1

Entries	9253
Mean	1064
RMS	38.73
χ^2 / ndf	2420 / 78
Constant	1894 ± 34.0
MPV	1052 ± 0.1
Sigma	3.664 ± 0.051



600

800

1000

1200

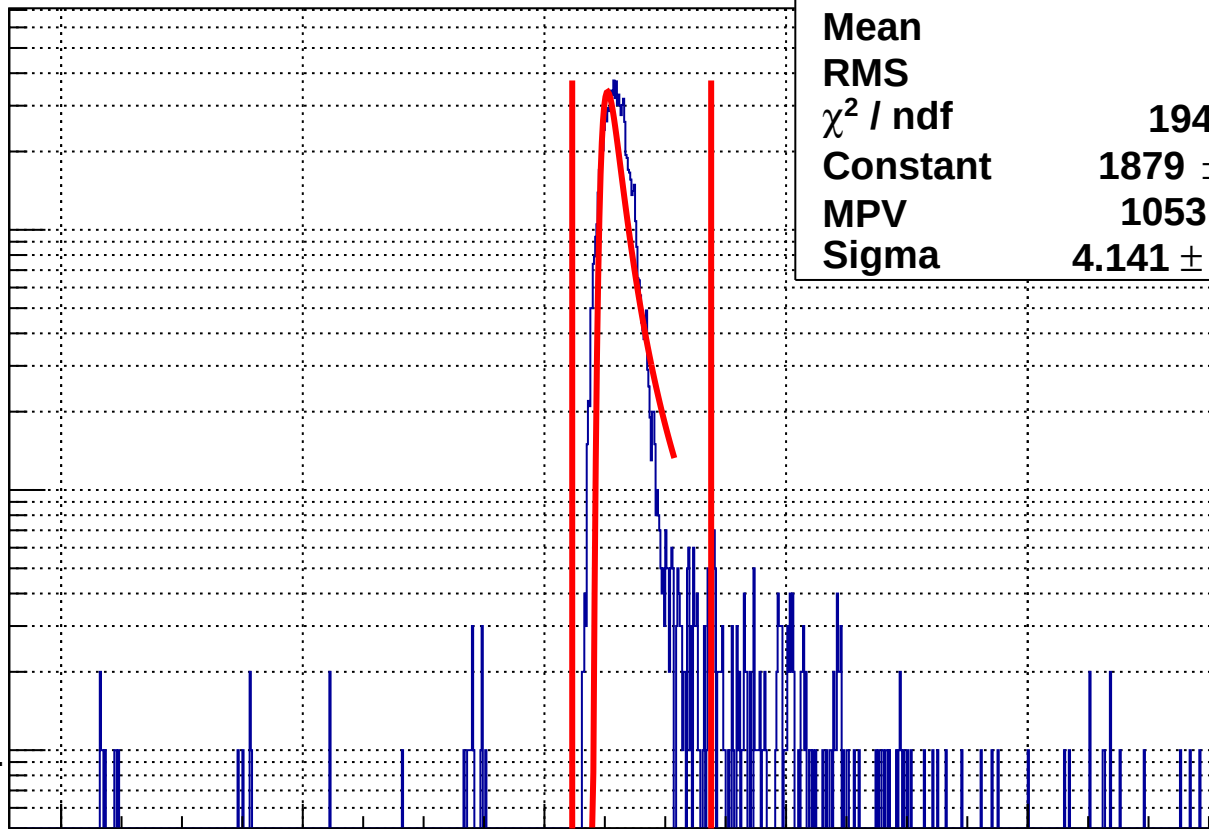
1400

LE time (ns)

Run# 19103014**tray_le_16****count** 10^2

10

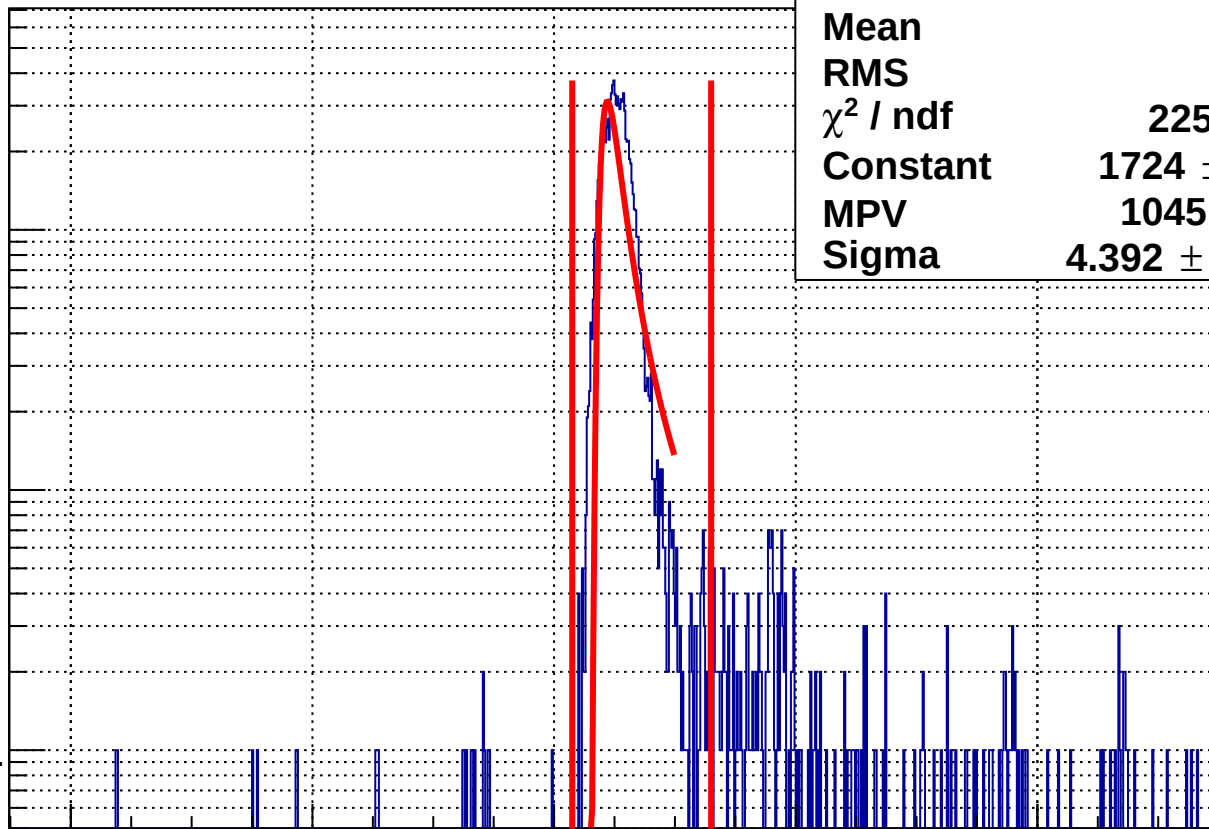
1

**Entries****9413****Mean****1063****RMS****32.64** χ^2 / ndf **1949 / 73****Constant** **1879 ± 34.0** **MPV** **1053 ± 0.2** **Sigma** **4.141 ± 0.062**

LE time (ns)

Run# 19103014**tray_le_17****count****10²****10****1**

Entries	9597
Mean	1058
RMS	38.75
χ^2 / ndf	2257 / 75
Constant	1724 $\pm$ 33.4
MPV	1045 $\pm$ 0.2
Sigma	4.392 $\pm$ 0.074

**LE time (ns)**

Run# 19103014

tray_le_18

count

10^2

10

1

600

800

1000

1200

1400

LE time (ns)

Entries

9608

Mean

1056

RMS

37.04

χ^2 / ndf

2231 / 73

Constant

1890 ± 34.9

MPV

1046 ± 0.2

Sigma

4.06 ± 0.06

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Run# 19103014

tray_le_19

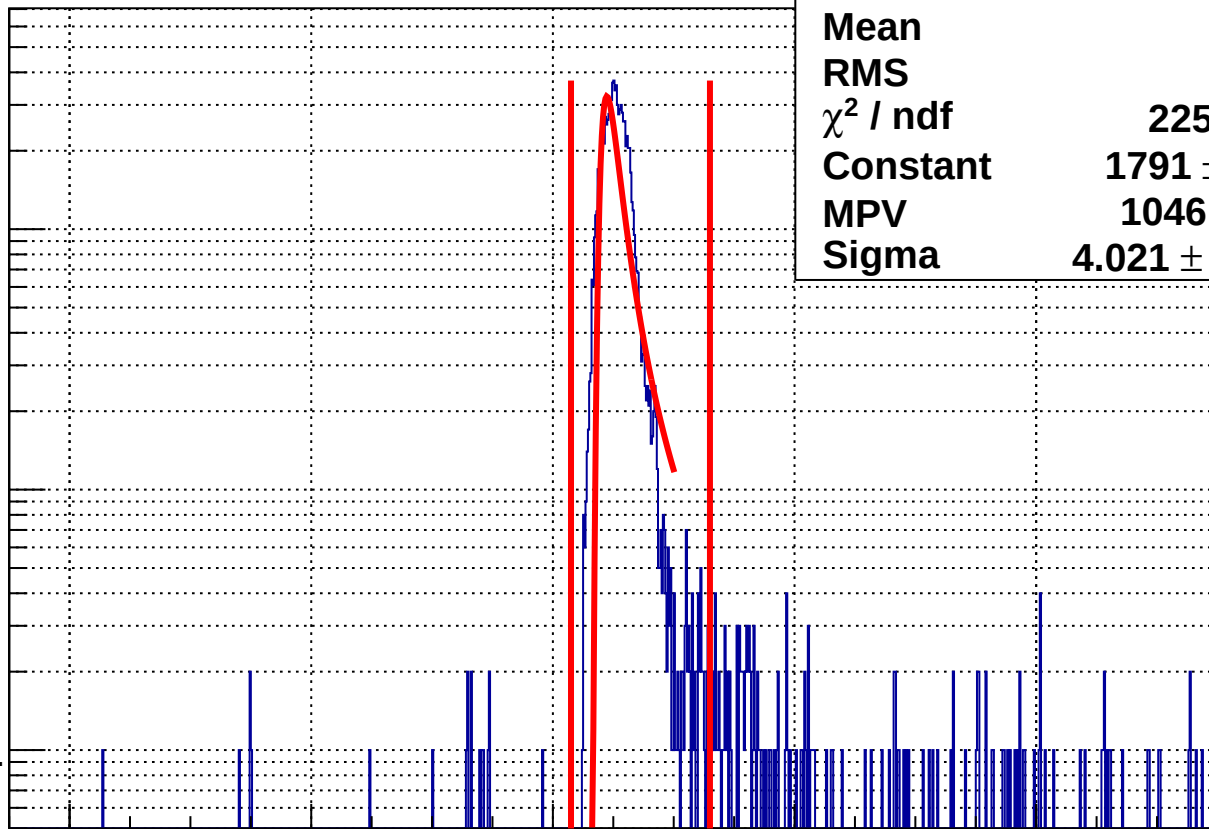
count

10^2

10

1

Entries	9216
Mean	1056
RMS	34.81
χ^2 / ndf	2256 / 74
Constant	1791 ± 33.9
MPV	1046 ± 0.2
Sigma	4.021 ± 0.063



600

800

1000

1200

1400

LE time (ns)

Run# 19103014

tray_le_20

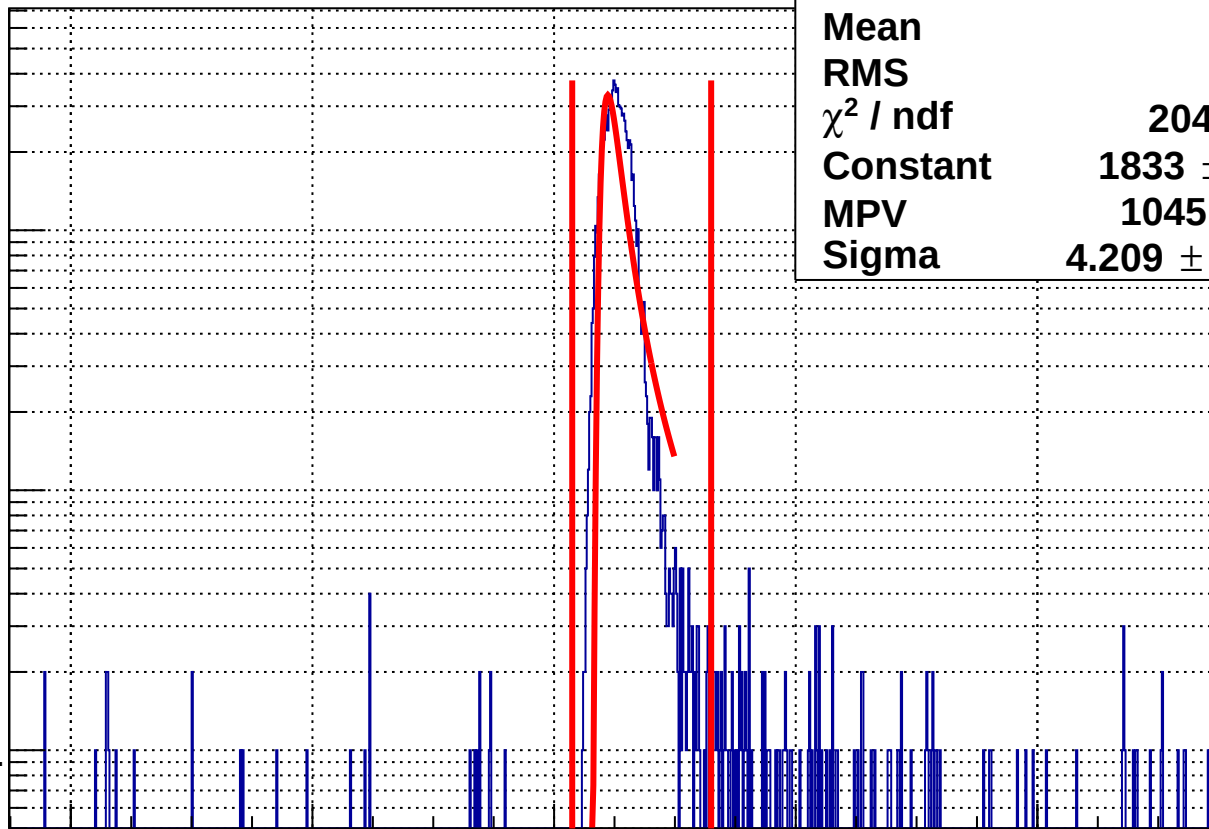
count

10^2

10

1

Entries	9429
Mean	1055
RMS	34.42
χ^2 / nfd	2048 / 74
Constant	1833 ± 33.4
MPV	1045 ± 0.2
Sigma	4.209 ± 0.064



600

800

1000

1200

1400

LE time (ns)

Run# 19103014

tray_le_21

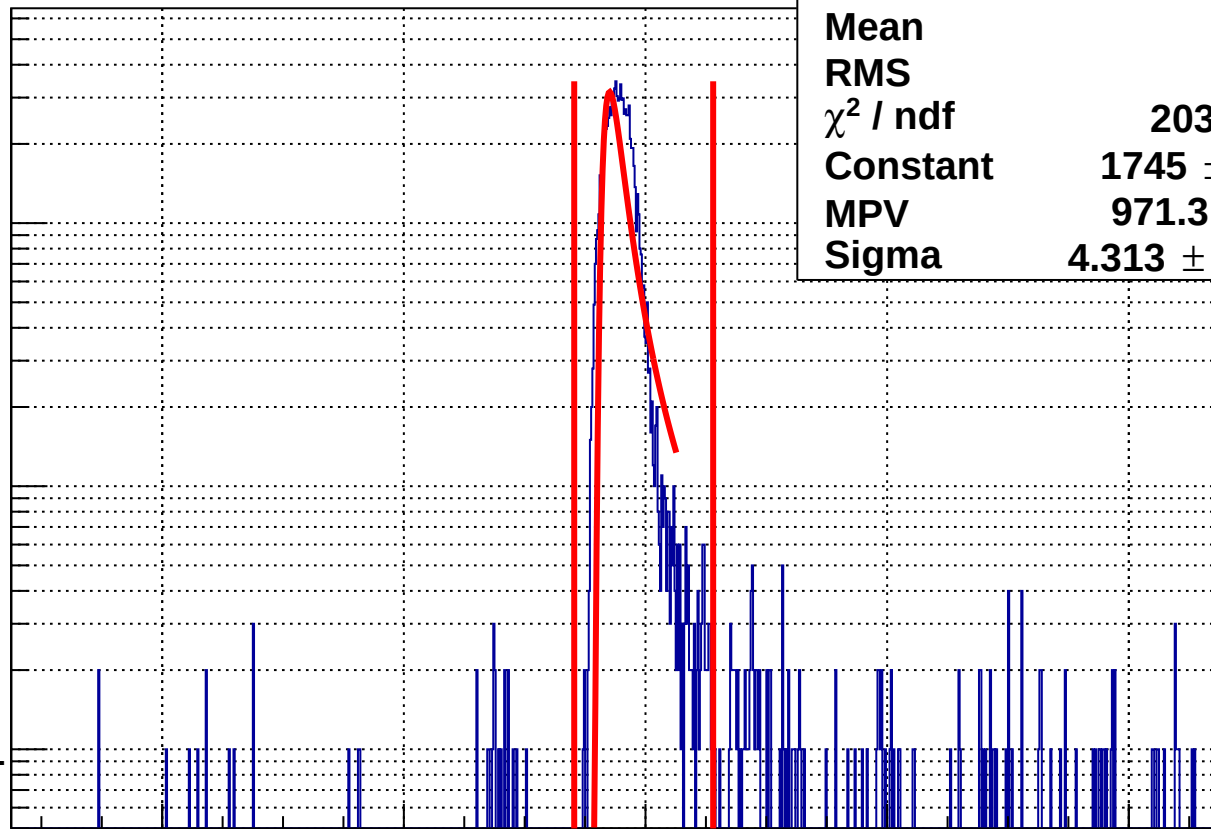
count

10^2

10

1

Entries	9282
Mean	982.4
RMS	38.44
χ^2 / ndf	2039 / 73
Constant	1745 ± 32.7
MPV	971.3 ± 0.2
Sigma	4.313 ± 0.068



LE time (ns)

Run# 19103014

tray_le_22

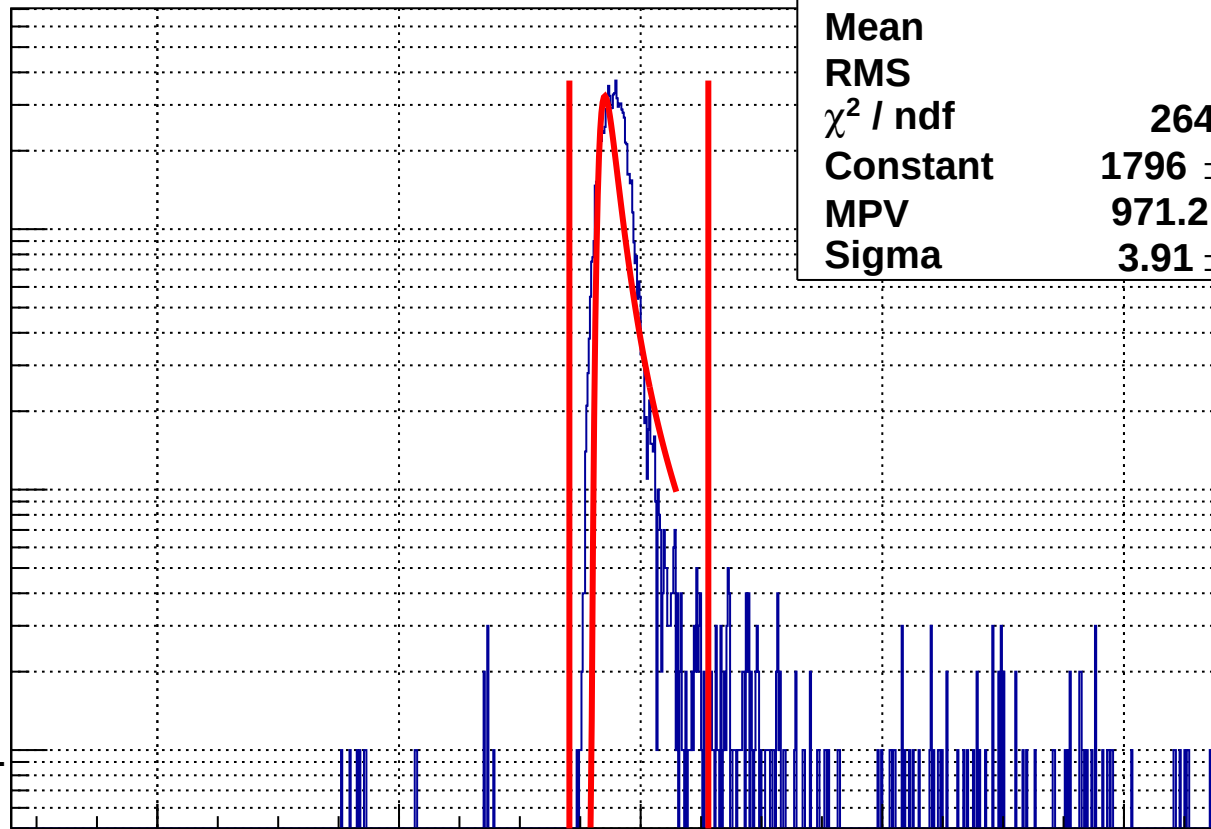
count

10^2

10

1

Entries	9511
Mean	982.9
RMS	36.21
χ^2 / ndf	2642 / 79
Constant	1796 ± 34.2
MPV	971.2 ± 0.2
Sigma	3.91 ± 0.06



Run# 19103014

tray_le_23

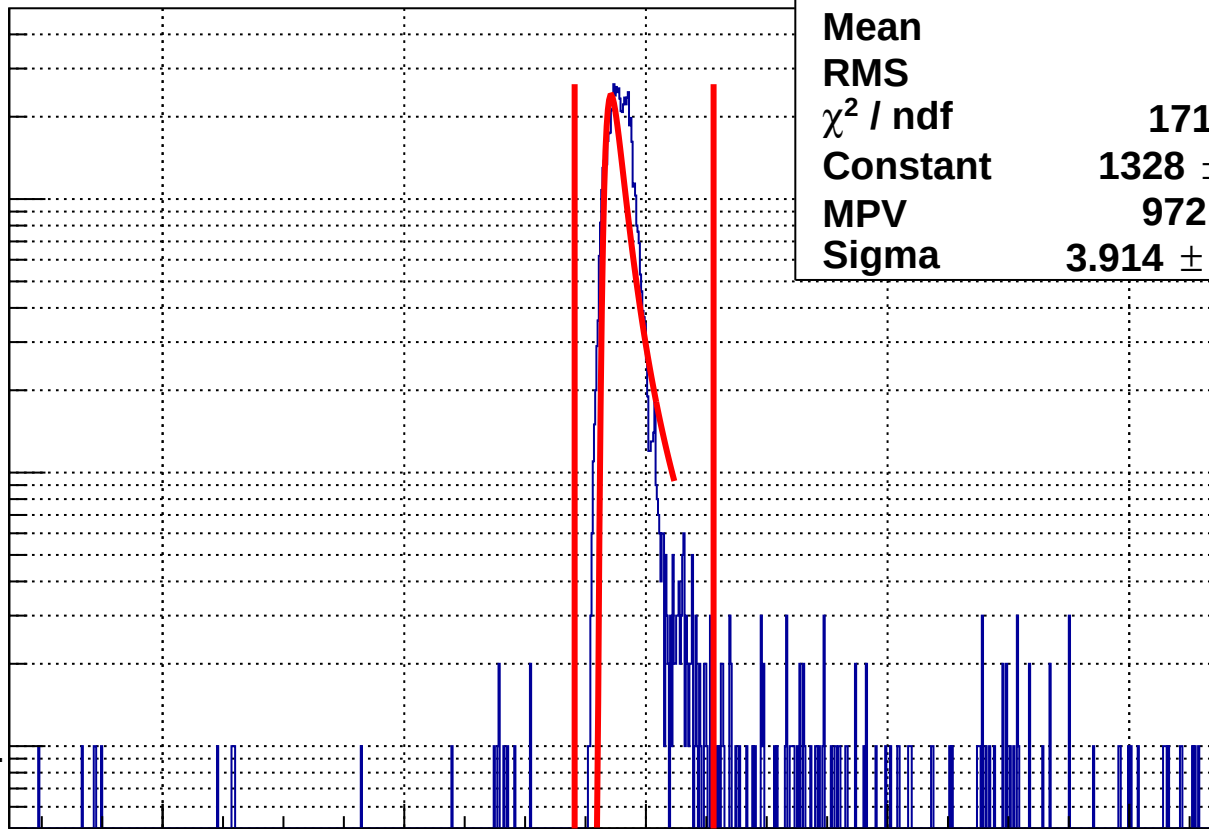
count

10^2

10

1

Entries	6757
Mean	982.9
RMS	38.97
χ^2 / ndf	1713 / 68
Constant	1328 ± 30.6
MPV	972 ± 0.3
Sigma	3.914 ± 0.082



LE time (ns)

Run# 19103014

tray_le_24

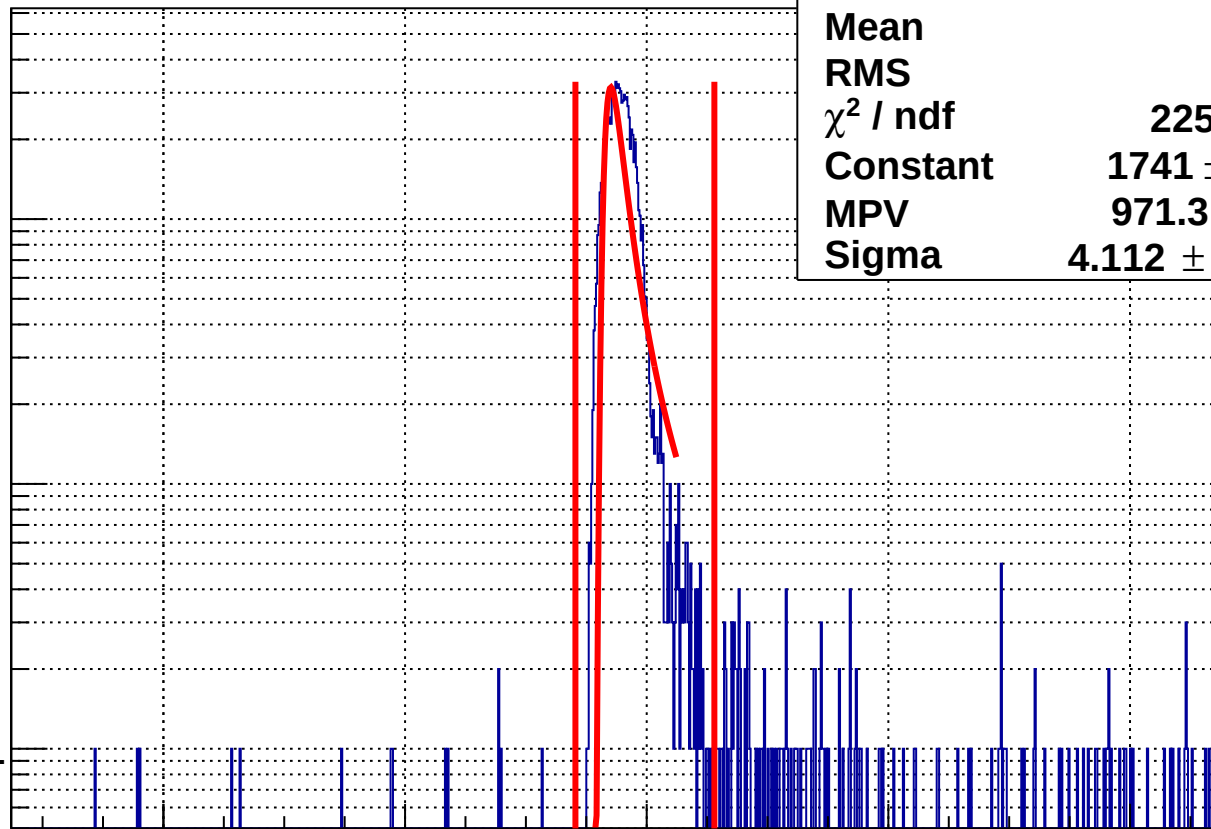
count

10^2

10

1

Entries	9178
Mean	982.6
RMS	36.71
χ^2 / ndf	2259 / 72
Constant	1741 ± 32.7
MPV	971.3 ± 0.2
Sigma	4.112 ± 0.064



LE time (ns)

Run# 19103014

tray_le_25

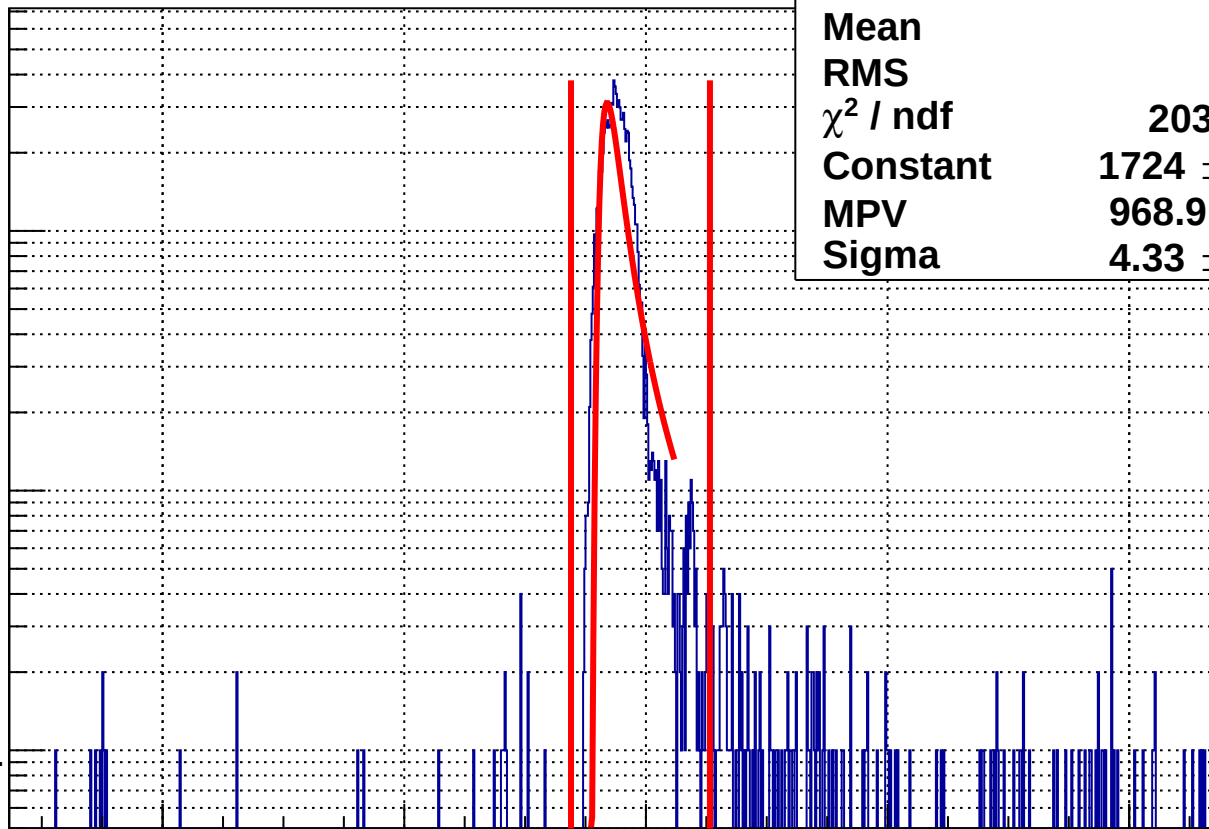
count

10^2

10

1

Entries	9272
Mean	980.1
RMS	37.91
χ^2 / ndf	2039 / 73
Constant	1724 ± 31.4
MPV	968.9 ± 0.2
Sigma	4.33 ± 0.07



600

800

1000

1200

1400

LE time (ns)

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Run# 19103014

tray_le_26

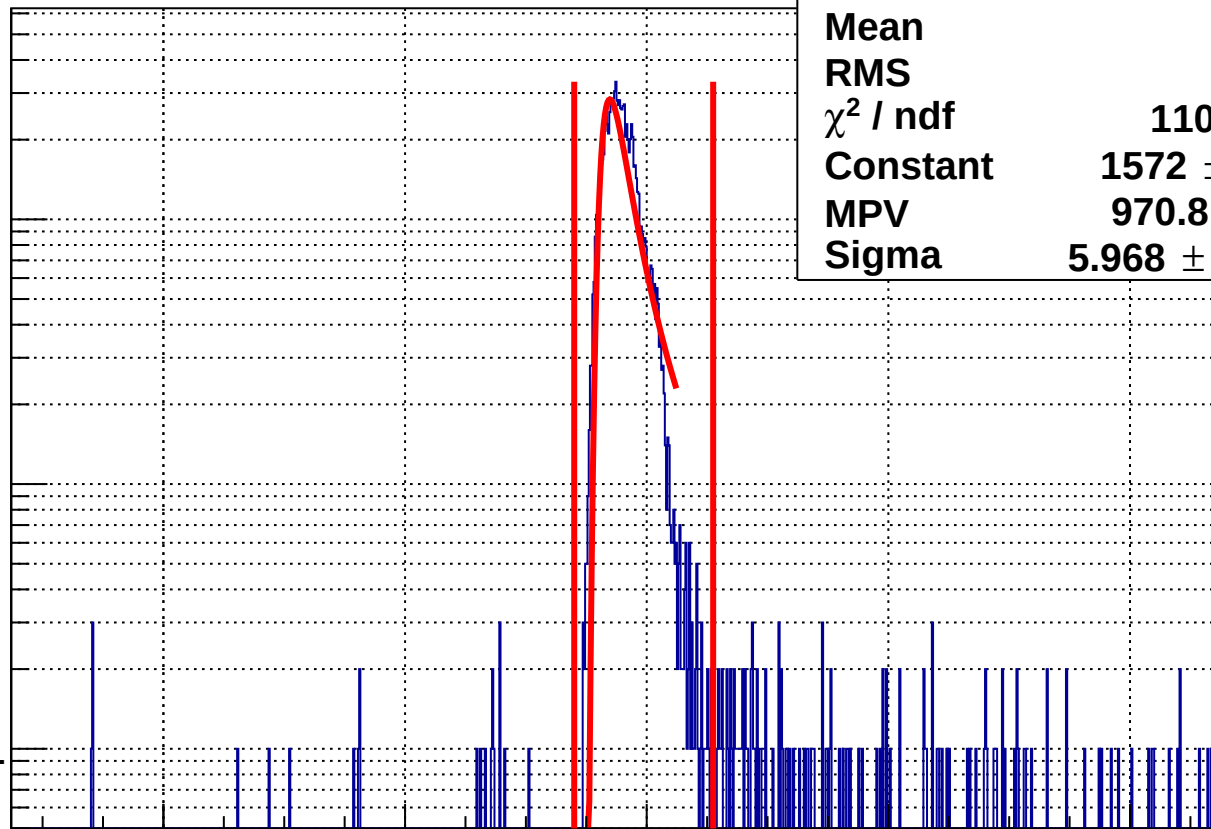
count

10^2

10

1

Entries	9661
Mean	982.3
RMS	34.43
χ^2 / ndf	1106 / 75
Constant	1572 ± 25.9
MPV	970.8 ± 0.2
Sigma	5.968 ± 0.085



LE time (ns)

Run# 19103014

tray_le_27

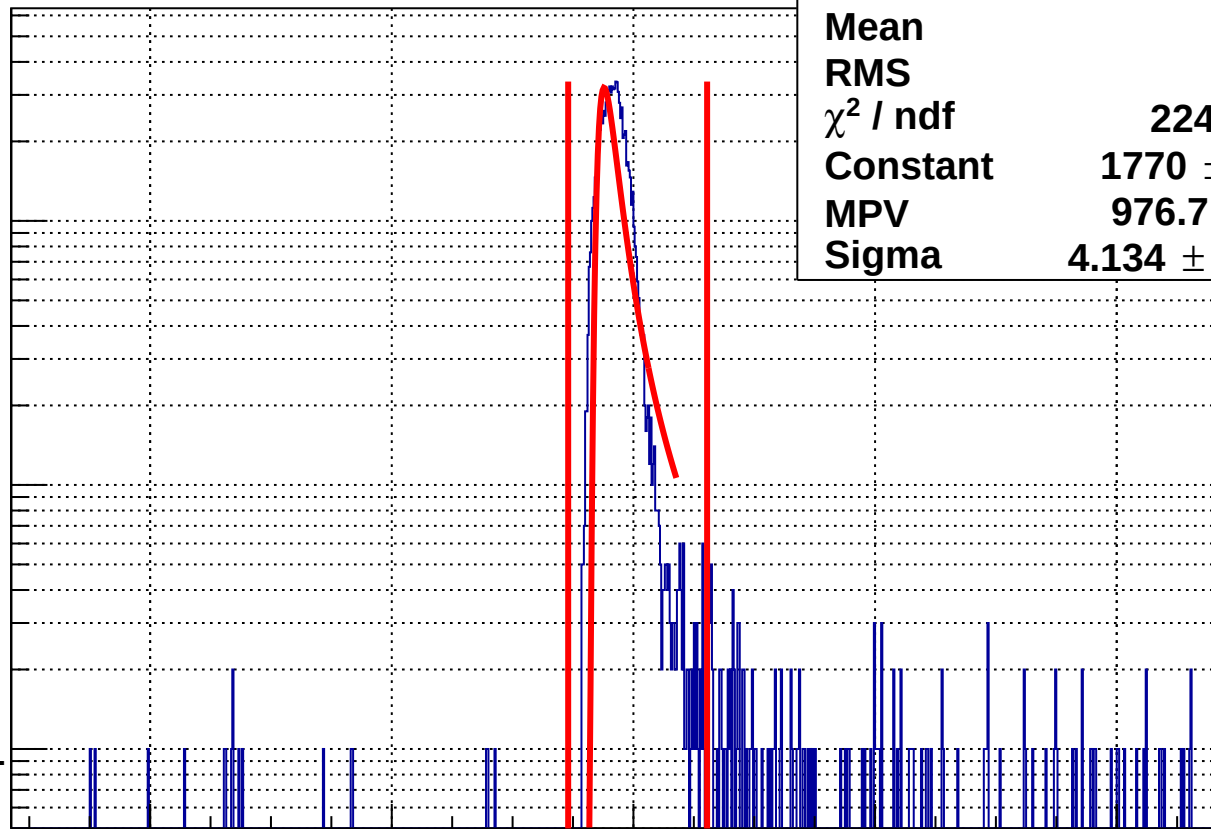
count

10^2

10

1

Entries	9403
Mean	987.6
RMS	36.24
χ^2 / ndf	2246 / 76
Constant	1770 ± 32.4
MPV	976.7 ± 0.2
Sigma	4.134 ± 0.062

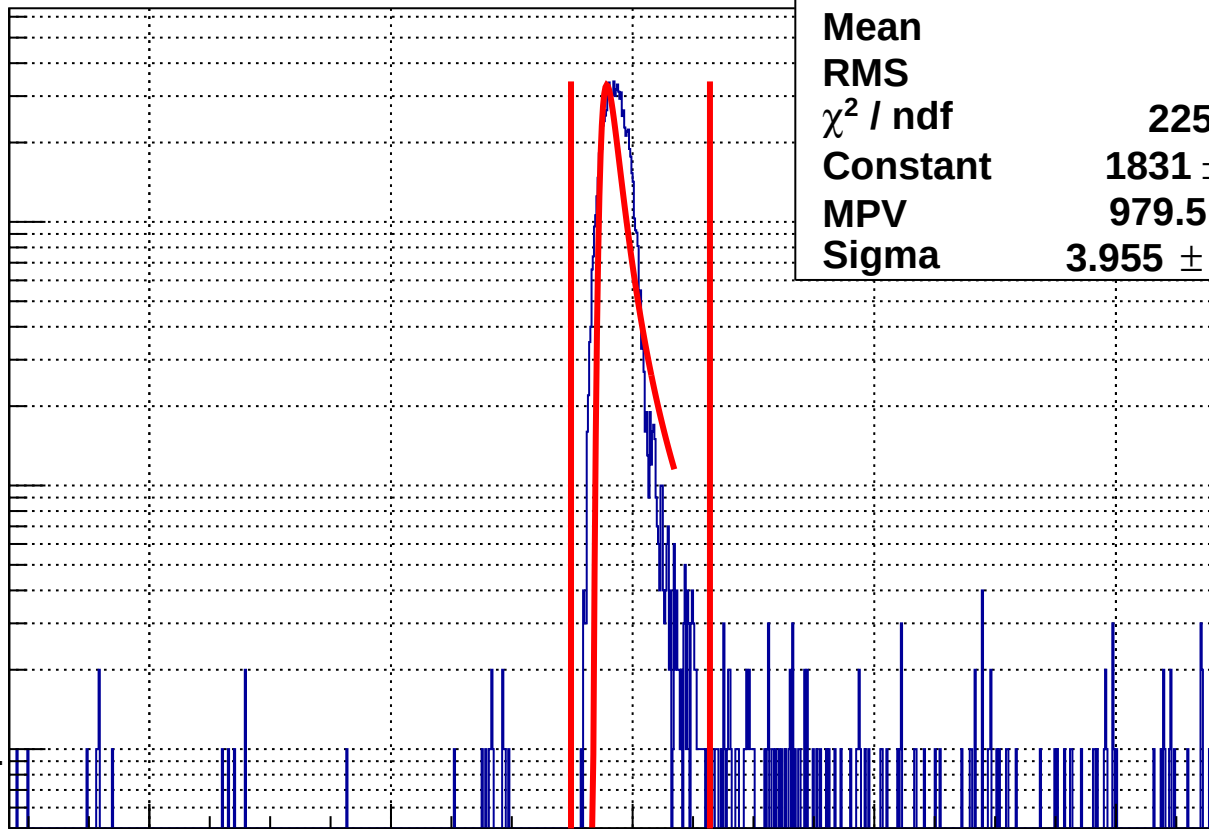


LE time (ns)

Run# 19103014**tray_le_28****count** 10^2

10

1



Entries	9258
Mean	989.8
RMS	39.37
χ^2 / ndf	2255 / 73
Constant	1831 ± 34.2
MPV	979.5 ± 0.2
Sigma	3.955 ± 0.063

LE time (ns)

Run# 19103014

tray_le_29

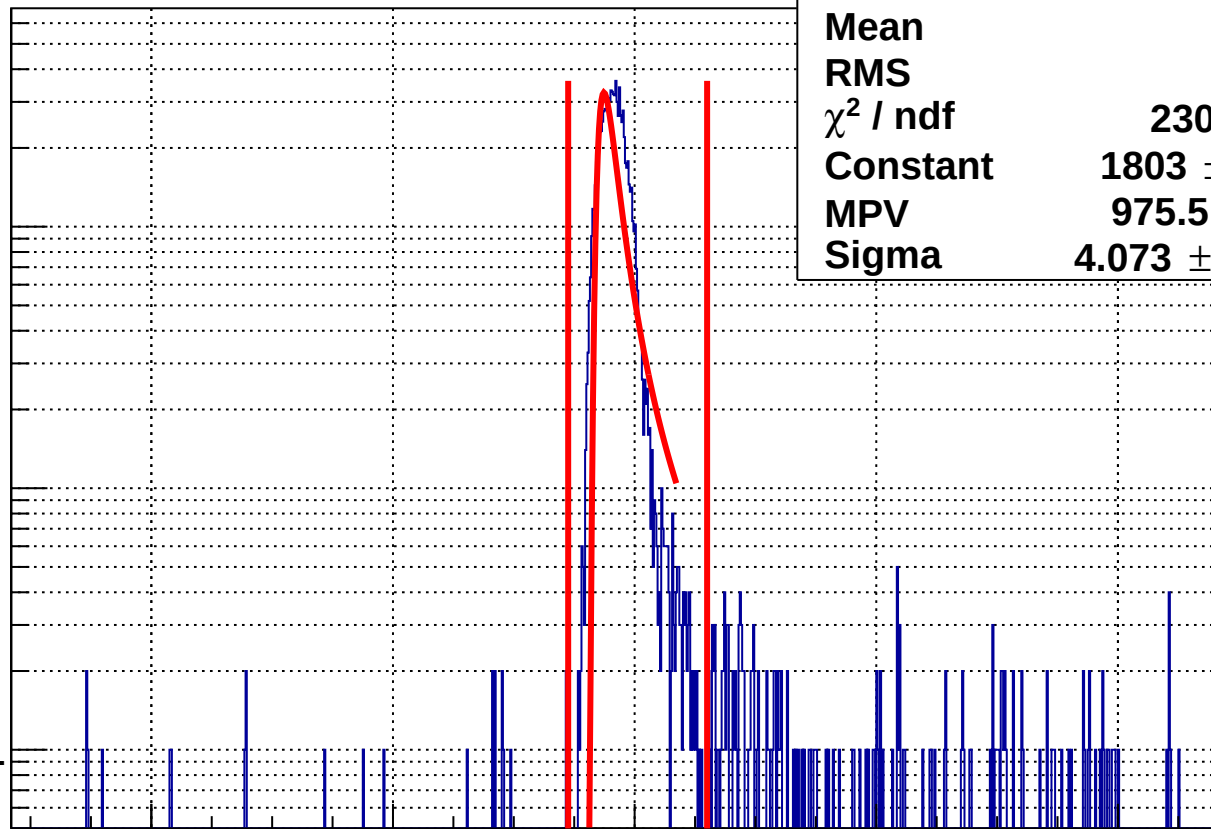
count

10^2

10

1

Entries	9467
Mean	987.3
RMS	38.92
χ^2 / ndf	2305 / 79
Constant	1803 ± 32.9
MPV	975.5 ± 0.2
Sigma	4.073 ± 0.061



LE time (ns)

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Run# 19103014

tray_le_30

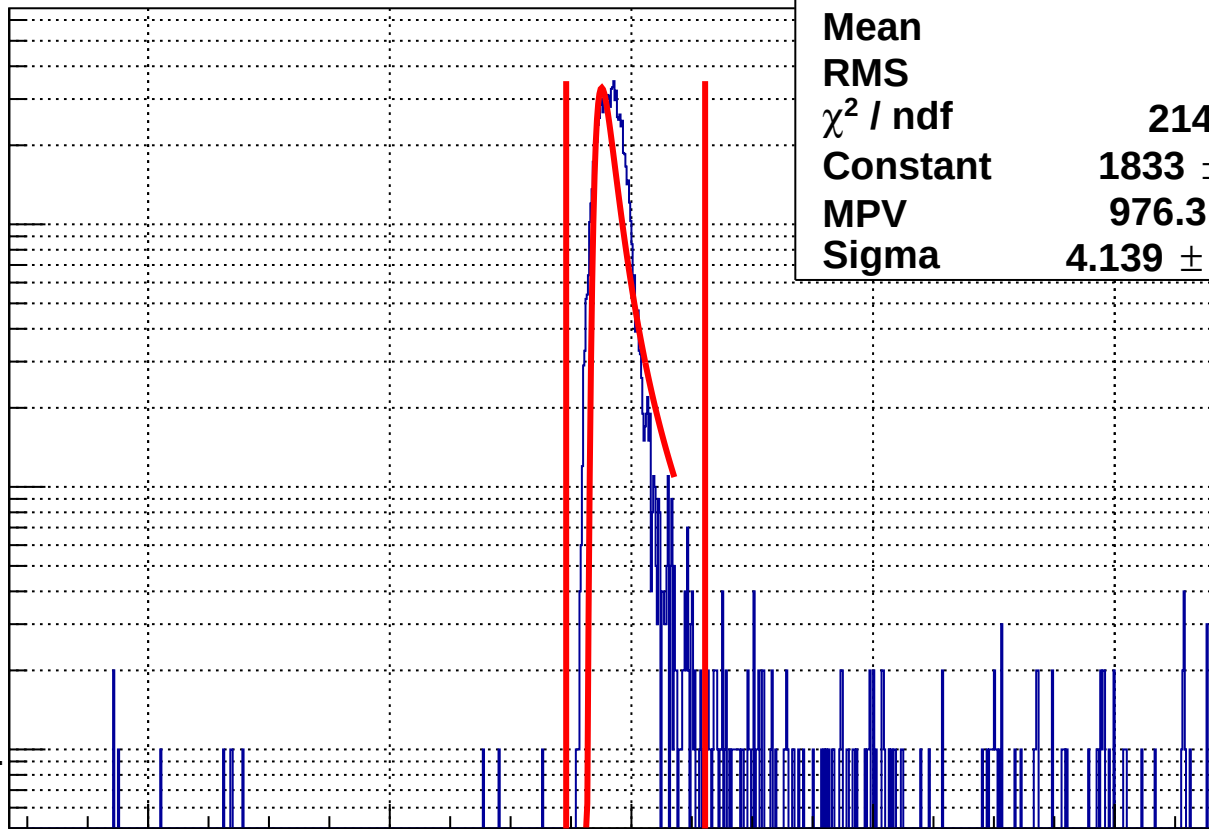
count

10^2

10

1

Entries	9496
Mean	987.8
RMS	39.01
χ^2 / ndf	2147 / 77
Constant	1833 ± 33.8
MPV	976.3 ± 0.2
Sigma	4.139 ± 0.064



LE time (ns)

Run# 19103014

tray_le_31

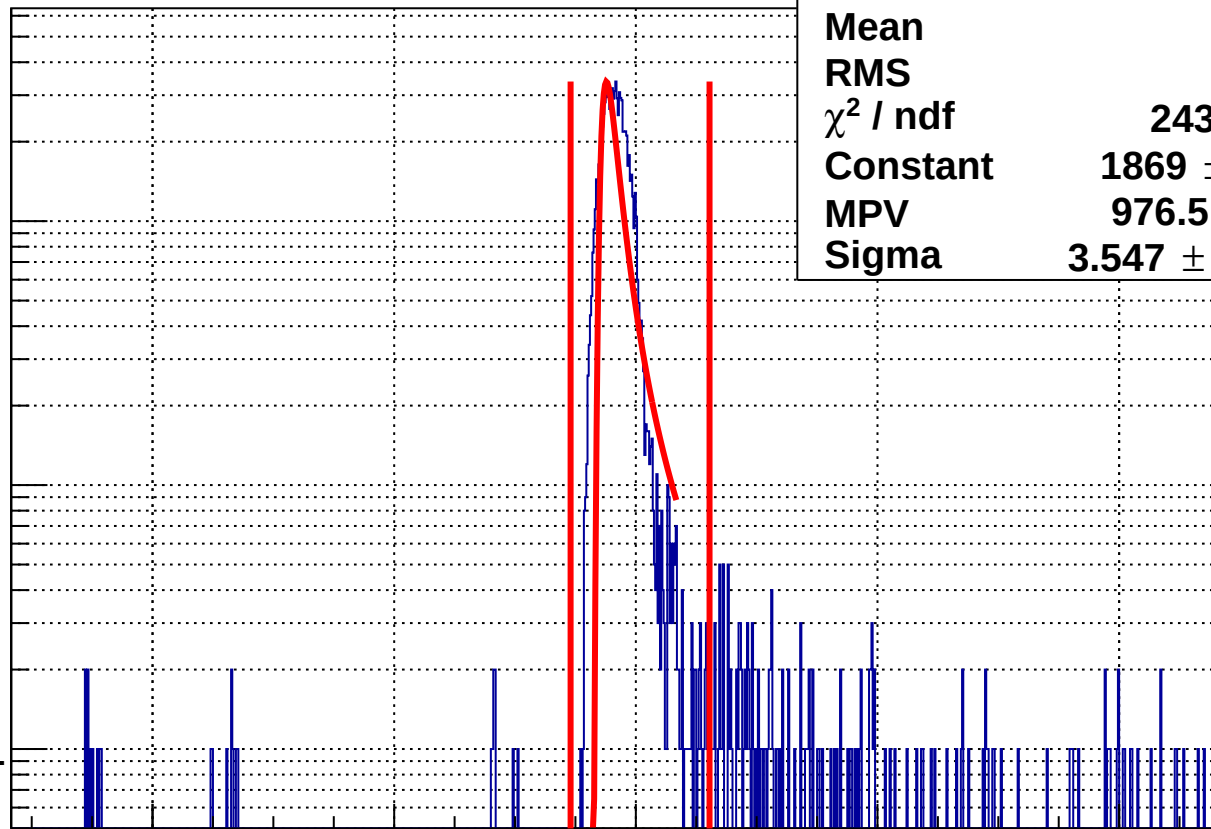
count

10^2

10

1

Entries	8977
Mean	986.5
RMS	37.67
χ^2 / ndf	2432 / 76
Constant	1869 ± 36.3
MPV	976.5 ± 0.2
Sigma	3.547 ± 0.056

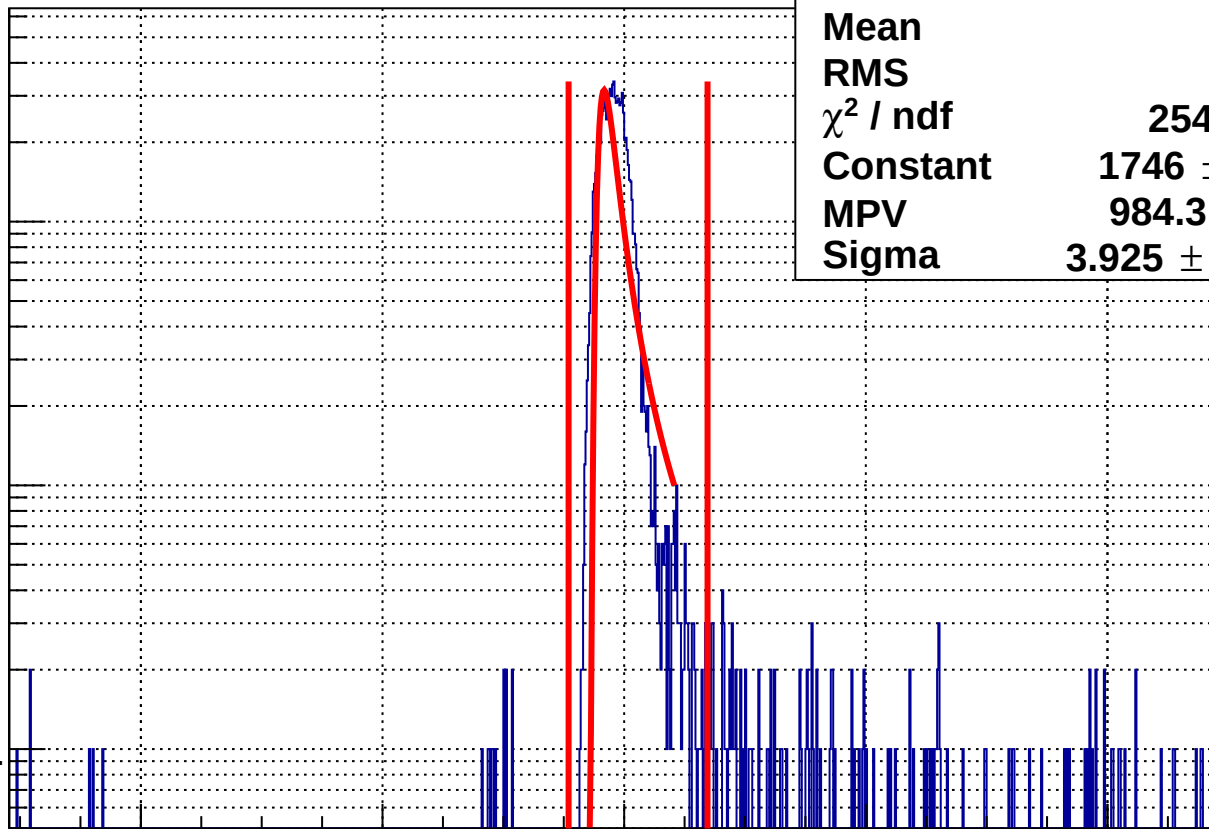


LE time (ns)

Run# 19103014**tray_le_32****count** 10^2

10

1

**Entries****9427****Mean****995****RMS****34.19** χ^2 / ndf **2545 / 76****Constant** **1746 ± 35.4** **MPV** **984.3 ± 0.2** **Sigma** **3.925 ± 0.068**

LE time (ns)

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Run# 19103014

tray_le_33

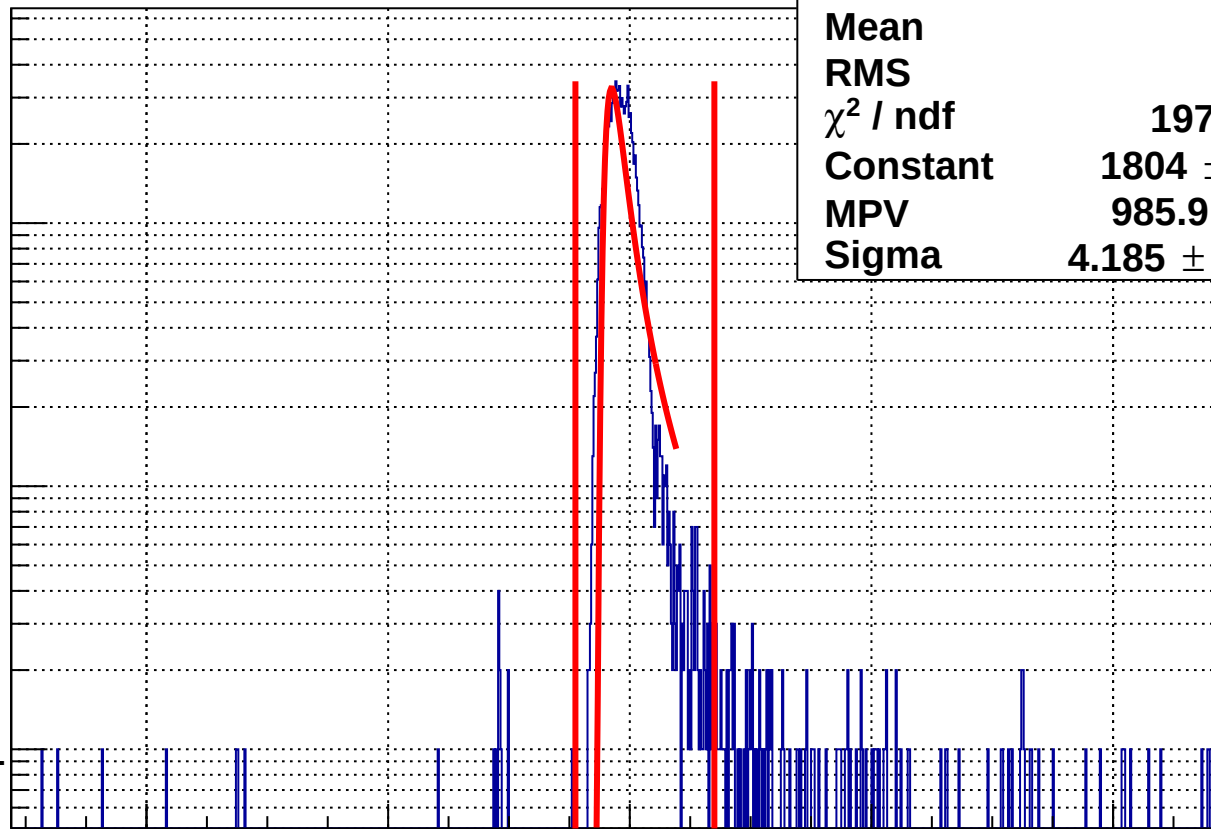
count

10^2

10

1

Entries	9256
Mean	996
RMS	30.86
χ^2 / ndf	1976 / 72
Constant	1804 ± 33.2
MPV	985.9 ± 0.2
Sigma	4.185 ± 0.064



LE time (ns)

Run# 19103014

tray_le_34

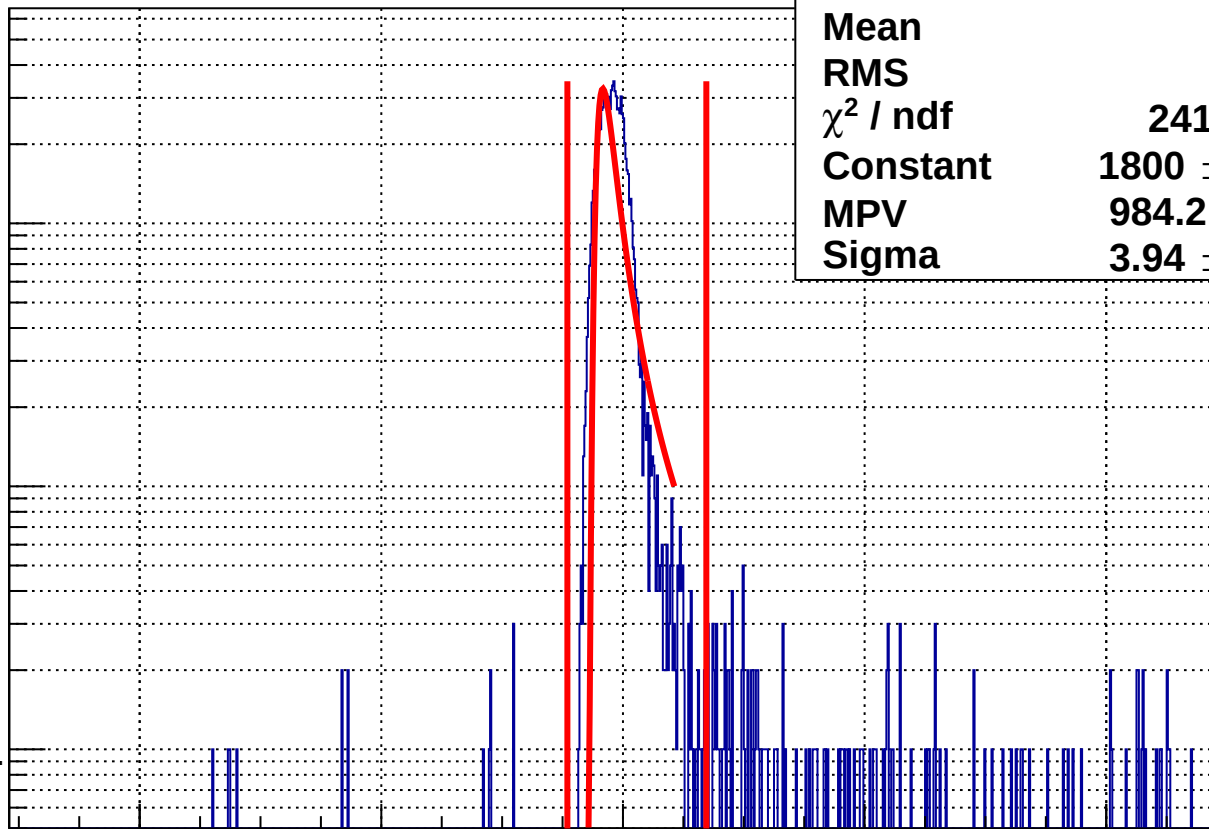
count

10^2

10

1

Entries	9324
Mean	995.3
RMS	34.9
χ^2 / ndf	2411 / 77
Constant	1800 ± 34.3
MPV	984.2 ± 0.2
Sigma	3.94 ± 0.06



600

800

1000

1200

1400

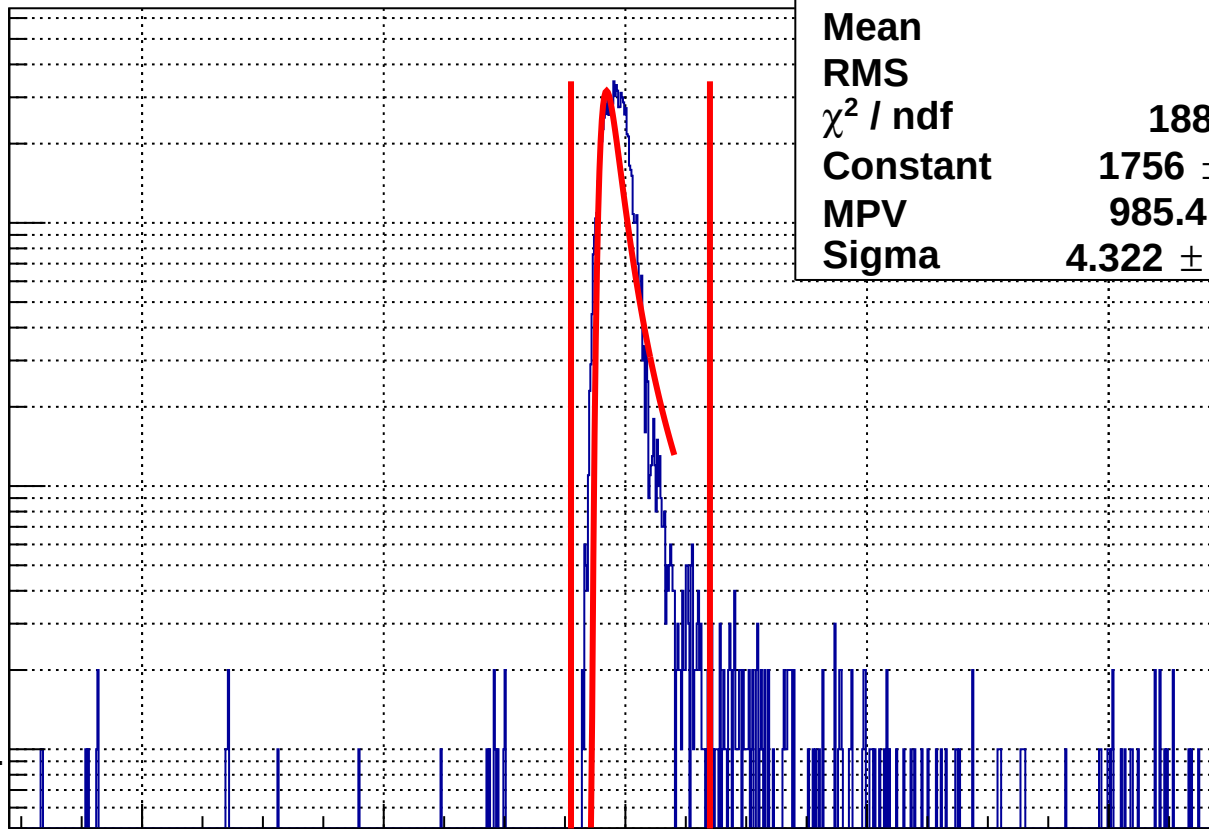
LE time (ns)

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Run# 19103014**tray_le_35****count** 10^2

10

1



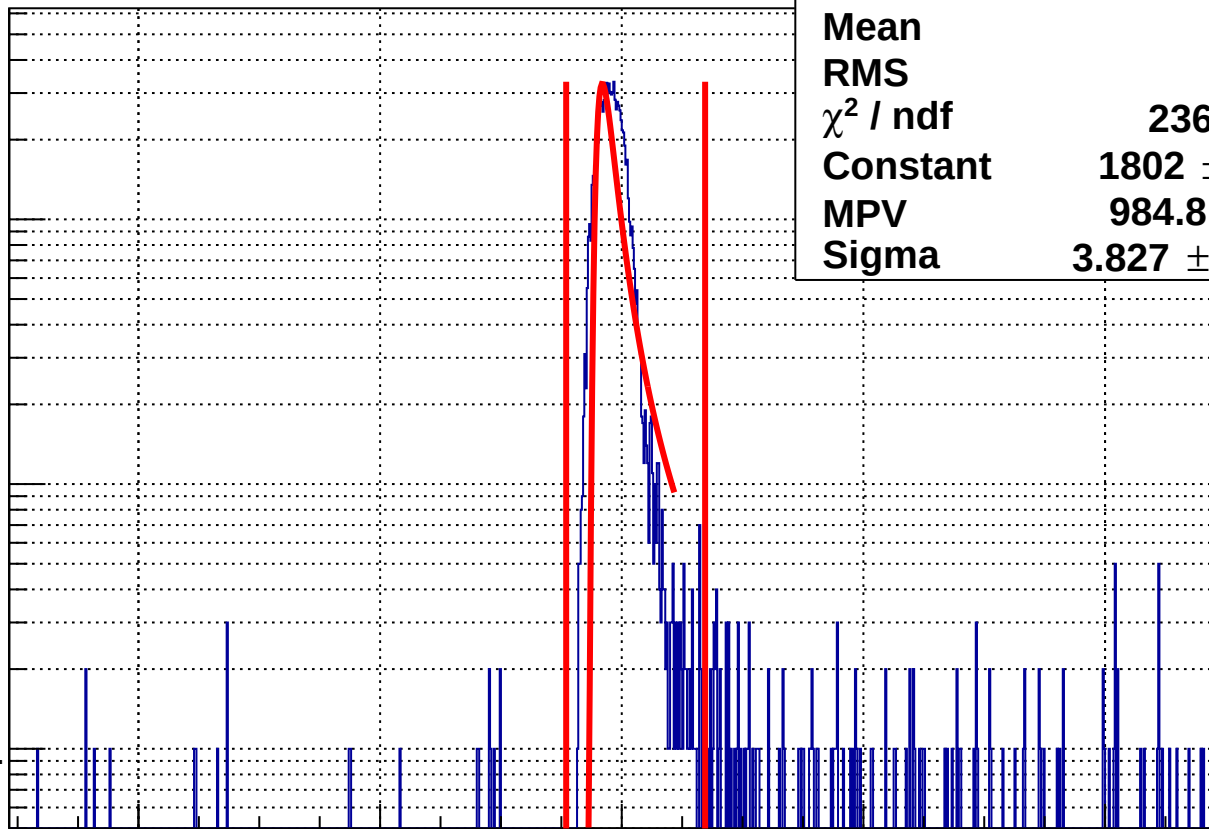
Entries	9185
Mean	996.2
RMS	36.06
χ^2 / ndf	1886 / 74
Constant	1756 ± 31.2
MPV	985.4 ± 0.2
Sigma	4.322 ± 0.063

LE time (ns)

Run# 19103014**tray_le_36****count** 10^2

10

1



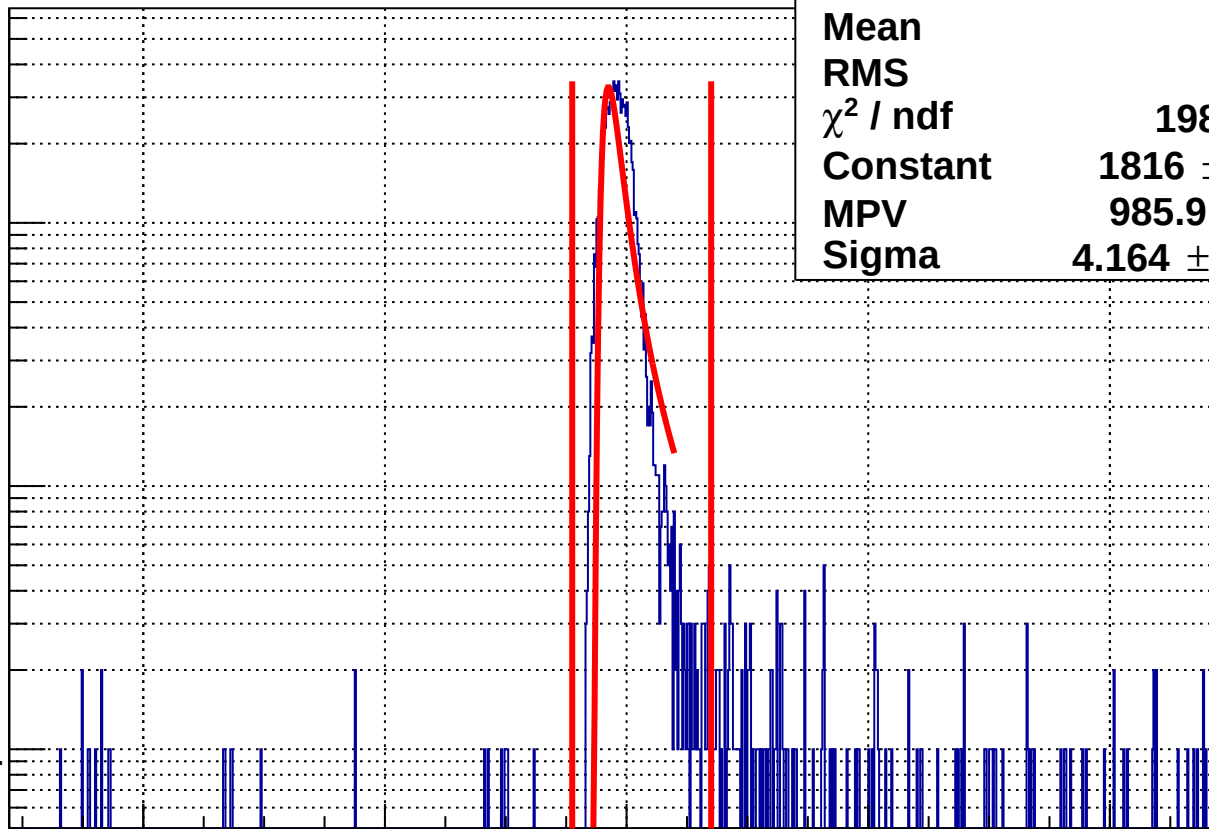
Entries	9102
Mean	995.4
RMS	38.32
χ^2 / ndf	2361 / 78
Constant	1802 ± 35.0
MPV	984.8 ± 0.2
Sigma	3.827 ± 0.061

LE time (ns)

Run# 19103014**tray_le_37****count** 10^2

10

1

**Entries****9296****Mean****996.5****RMS****37.71** χ^2 / ndf **1983 / 71****Constant** **1816 ± 32.7** **MPV** **985.9 ± 0.2** **Sigma** **4.164 ± 0.061**

LE time (ns)

Run# 19103014

tray_le_38

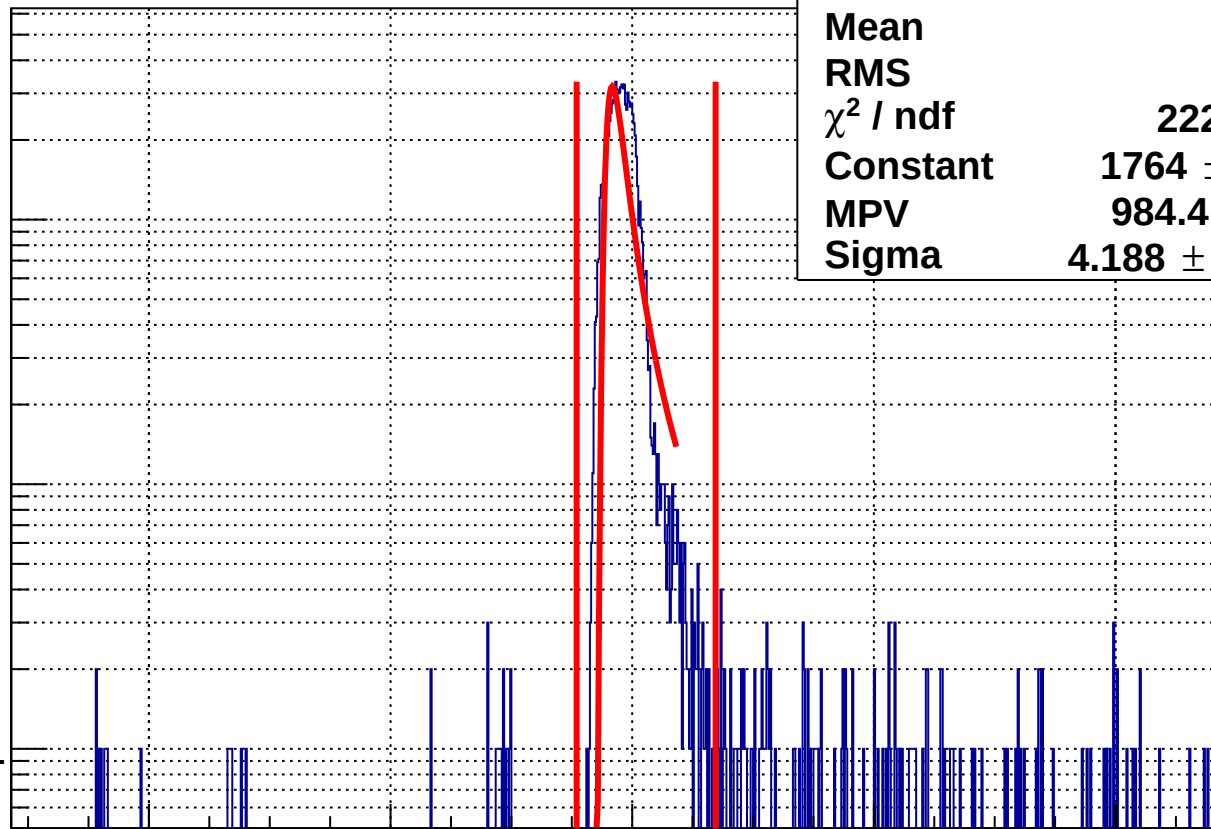
count

10^2

10

1

Entries	9338
Mean	994.7
RMS	36.96
χ^2 / ndf	2227 / 71
Constant	1764 ± 34.3
MPV	984.4 ± 0.2
Sigma	4.188 ± 0.070



LE time (ns)

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Run# 19103014

tray_le_39

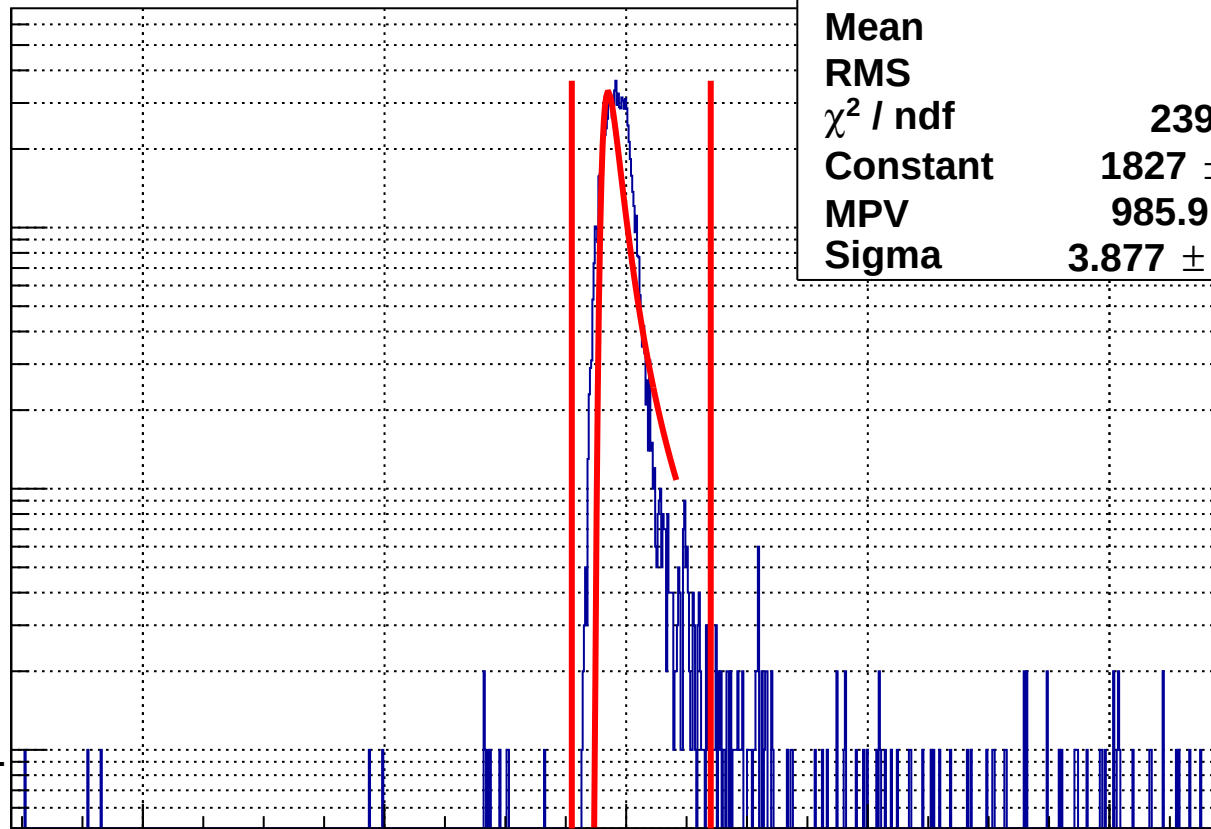
count

10^2

10

1

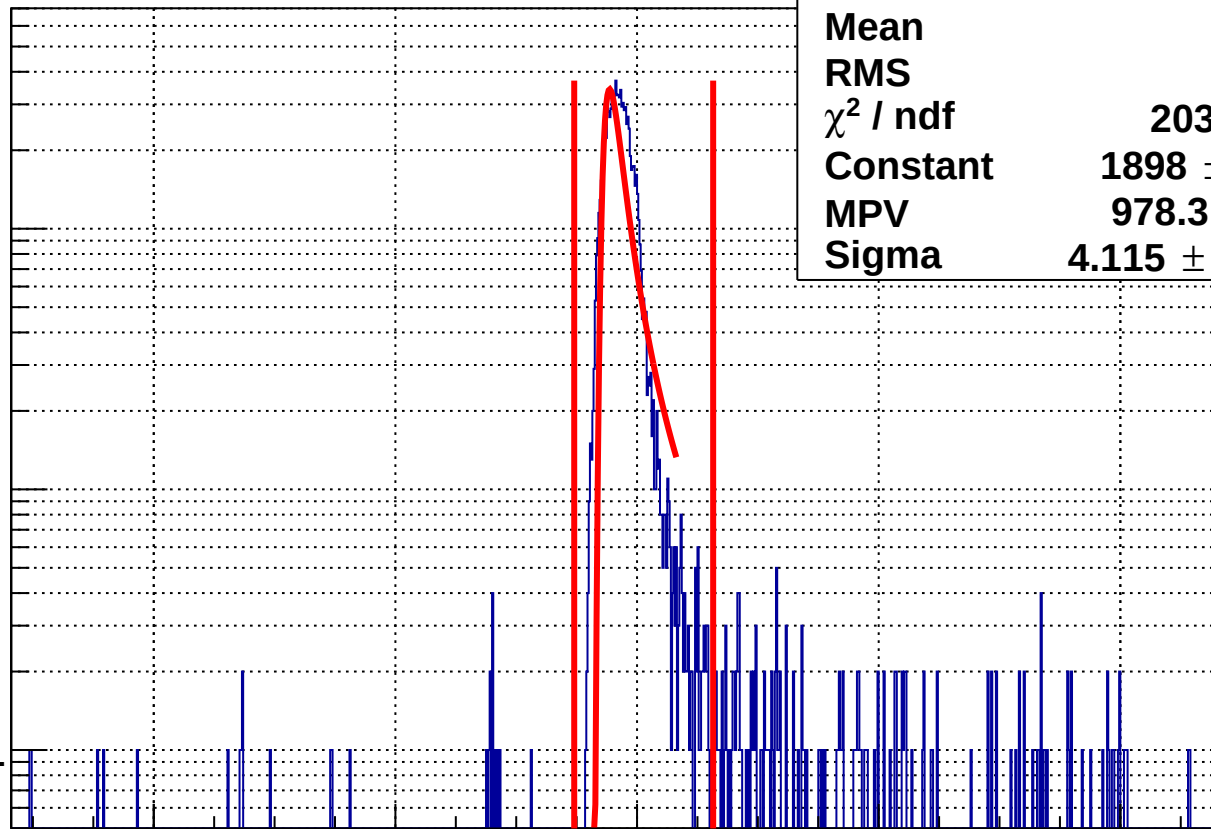
Entries	9272
Mean	996
RMS	32.7
χ^2 / ndf	2390 / 76
Constant	1827 ± 33.9
MPV	985.9 ± 0.2
Sigma	3.877 ± 0.058



LE time (ns)

Run# 19103014**tray_le_40****count****10²****10****1**

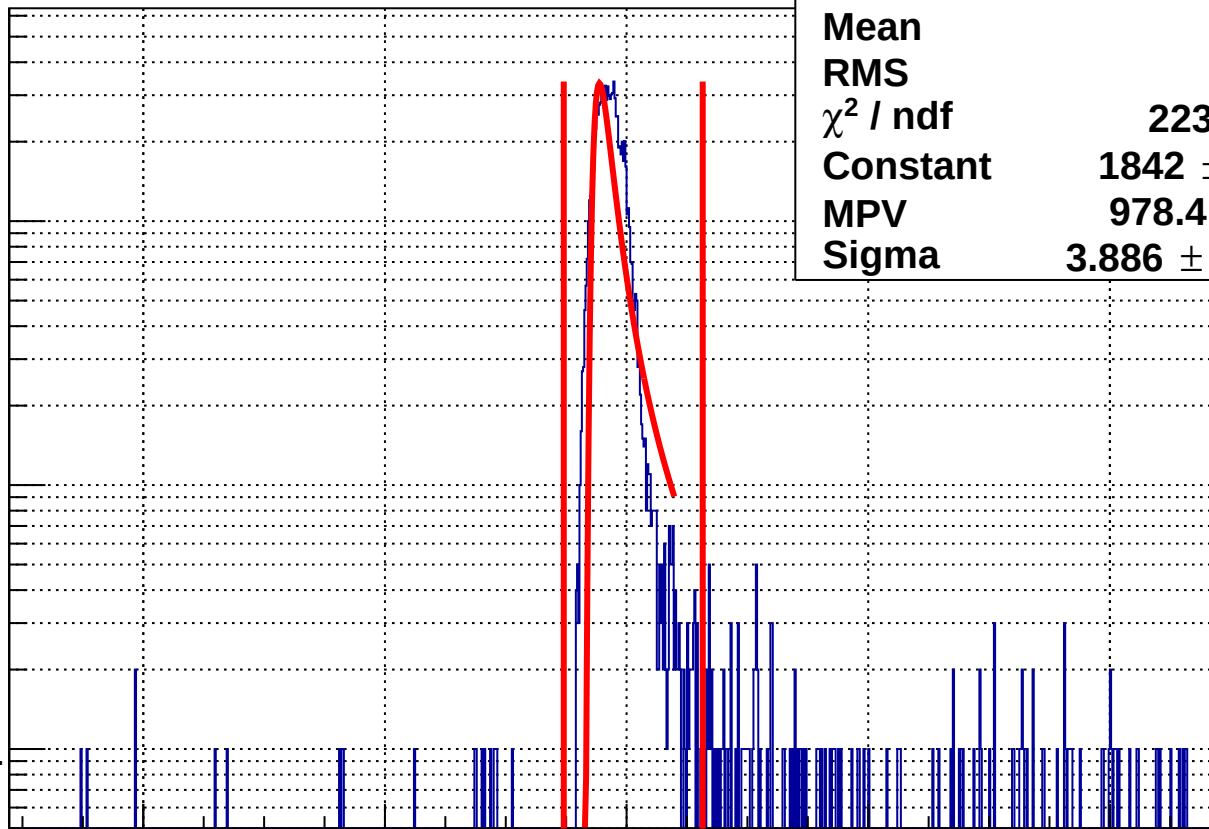
Entries	9570
Mean	989.2
RMS	36.63
χ^2 / ndf	2037 / 73
Constant	1898 $\pm$ 33.7
MPV	978.3 $\pm$ 0.2
Sigma	4.115 $\pm$ 0.060

**LE time (ns)****Mon Apr 16 11:25:43 2018**

Run# 19103014**tray_le_41****count** 10^2

10

1



Entries	9247
Mean	989.9
RMS	37.87
χ^2 / ndf	2237 / 79
Constant	1842 ± 32.9
MPV	978.4 ± 0.2
Sigma	3.886 ± 0.055

LE time (ns)

Run# 19103014

tray_le_42

count

10^2

10

1

600

800

1000

1200

1400

LE time (ns)

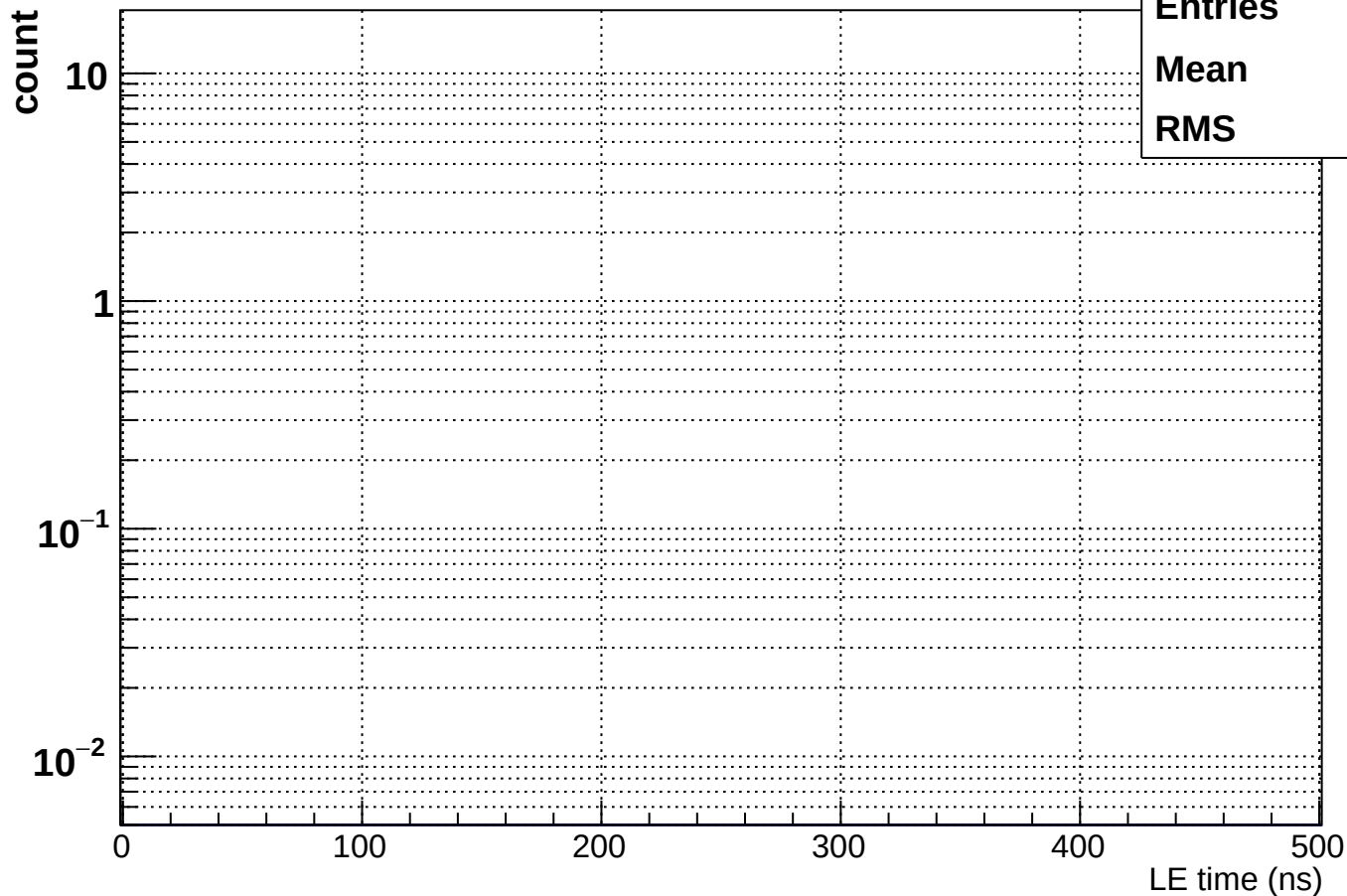
Entries	9563
Mean	989.4
RMS	33.36
χ^2 / ndf	2092 / 74
Constant	1789 ± 31.6
MPV	978.2 ± 0.2
Sigma	4.358 ± 0.061

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Run# 19103014

tray_le_43

Entries	0
Mean	0
RMS	0

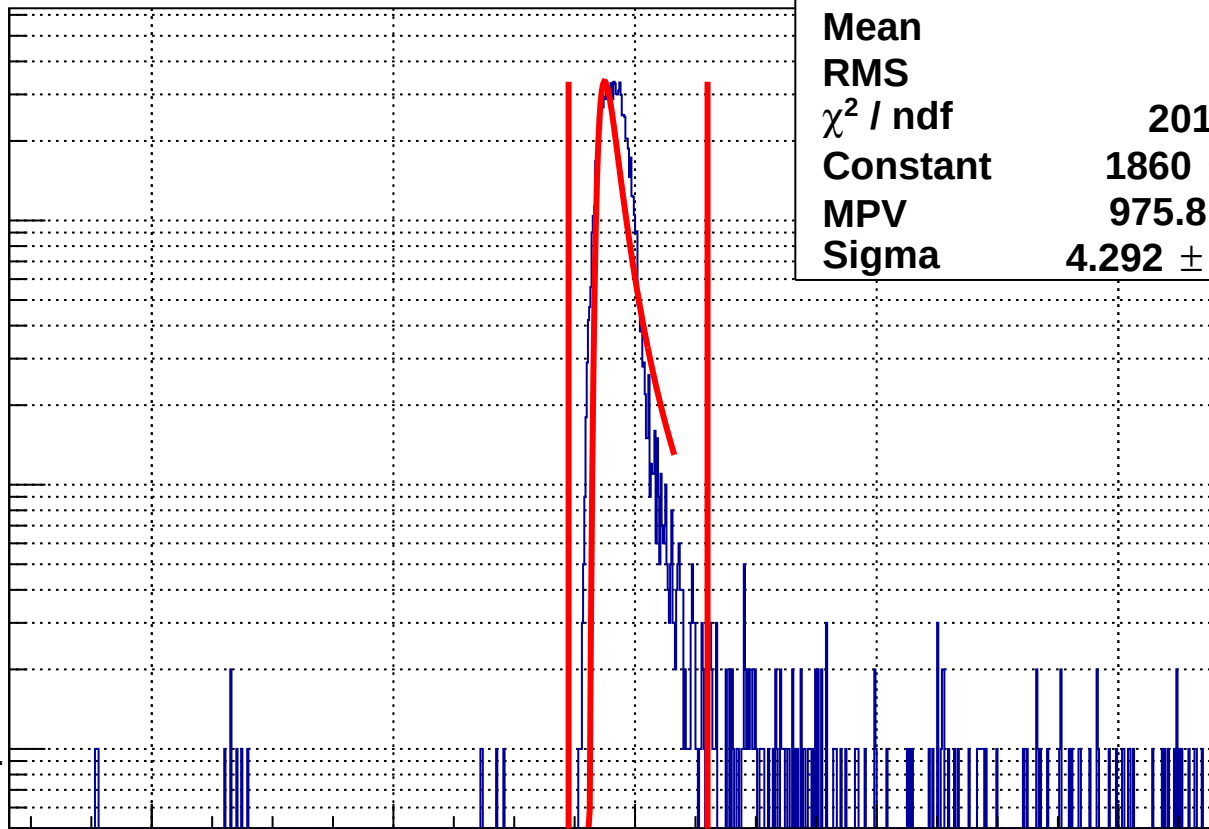


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Run# 19103014**tray_le_44****count** 10^2

10

1



Entries	9692
Mean	987.3
RMS	38
χ^2 / ndf	2017 / 77
Constant	1860 ± 33.1
MPV	975.8 ± 0.2
Sigma	4.292 ± 0.064

LE time (ns)

Run# 19103014

tray_le_45

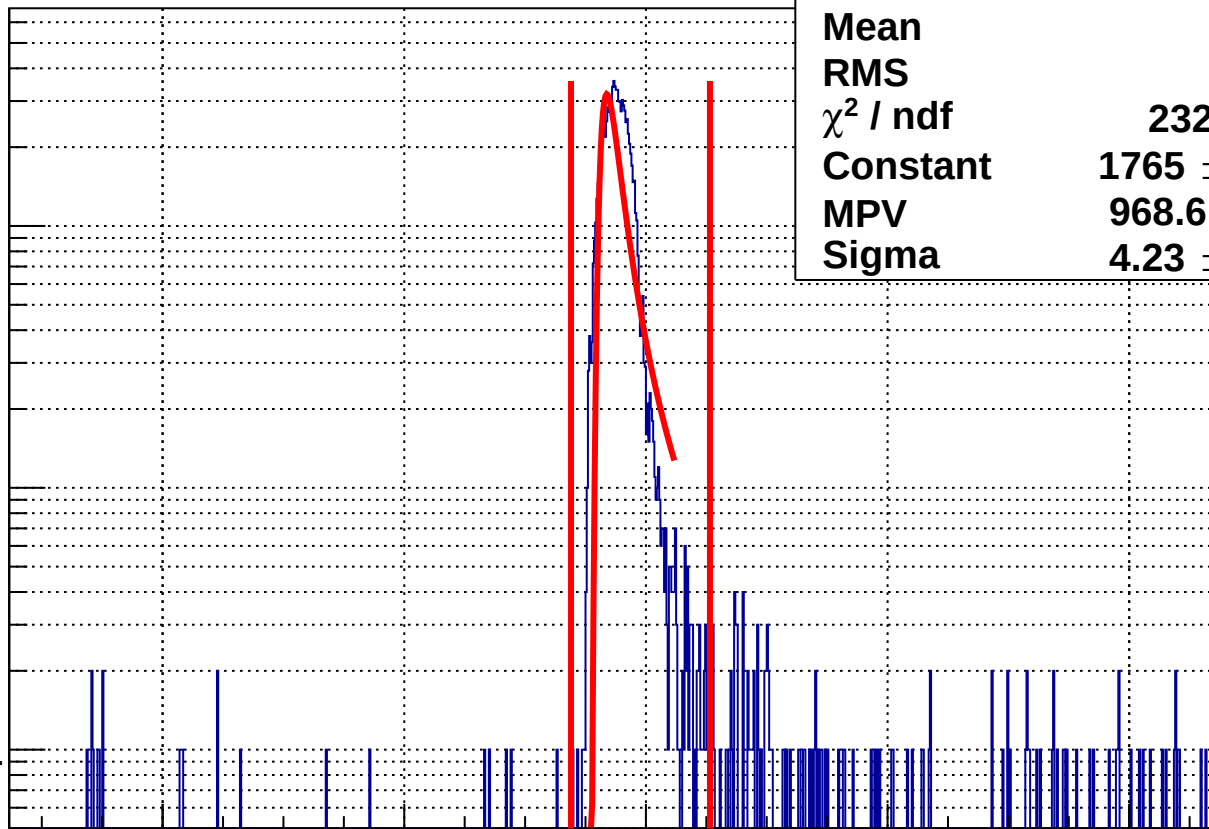
count

10^2

10

1

Entries	9505
Mean	979
RMS	36.08
χ^2 / ndf	2327 / 77
Constant	1765 ± 31.7
MPV	968.6 ± 0.2
Sigma	4.23 ± 0.06

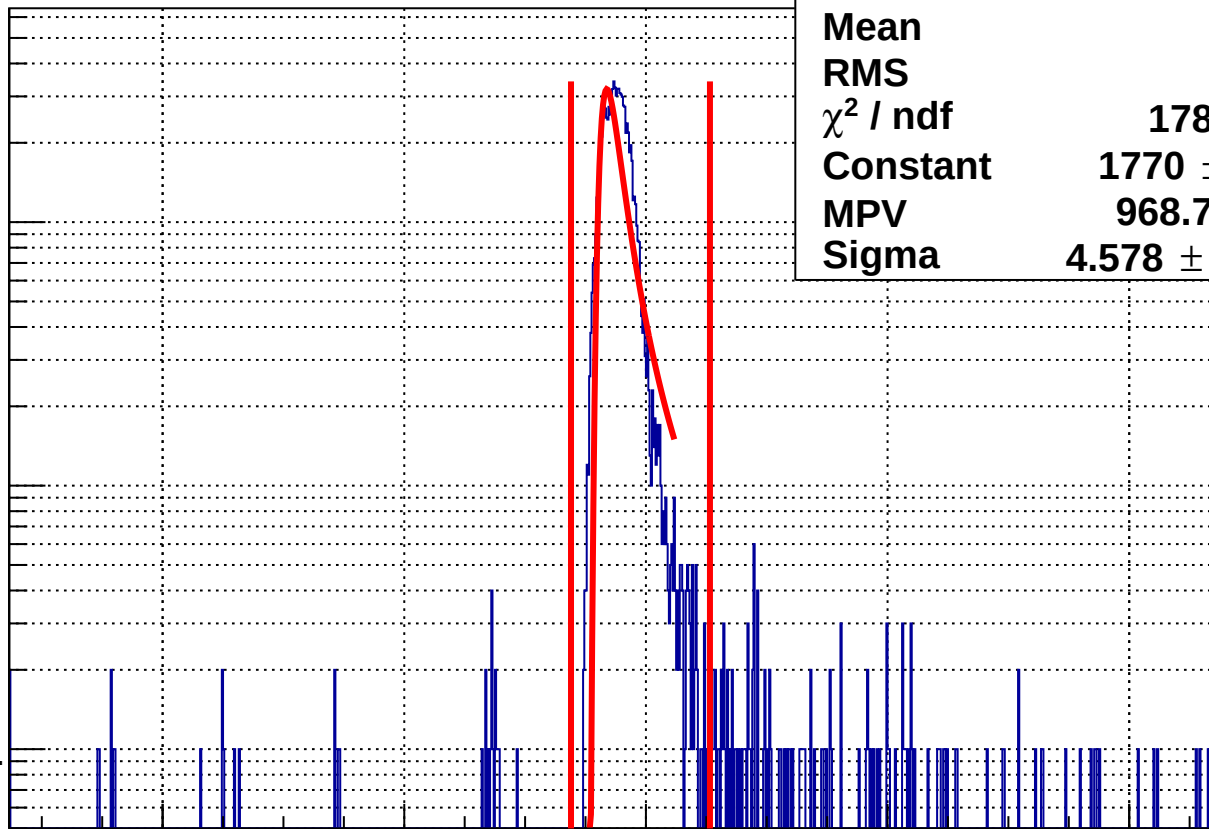


LE time (ns)

Run# 19103014**tray_le_46****count** 10^2

10

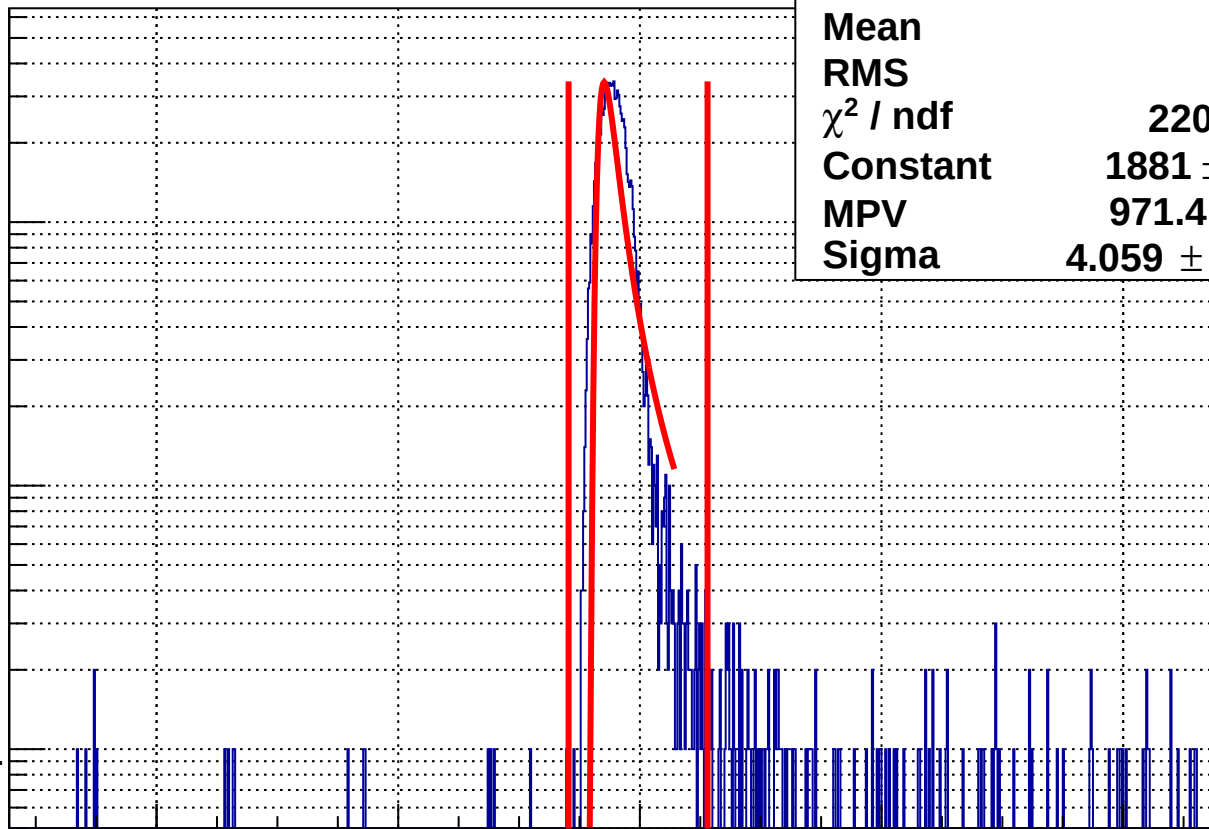
1

**Entries****9492****Mean****978.8****RMS****33.55** χ^2 / ndf **1788 / 73****Constant** **1770 ± 29.9** **MPV** **968.7 ± 0.1** **Sigma** **4.578 ± 0.062** **LE time (ns)****Mon Apr 16 11:25:43 2018**

Run# 19103014**tray_le_47****count** 10^2

10

1



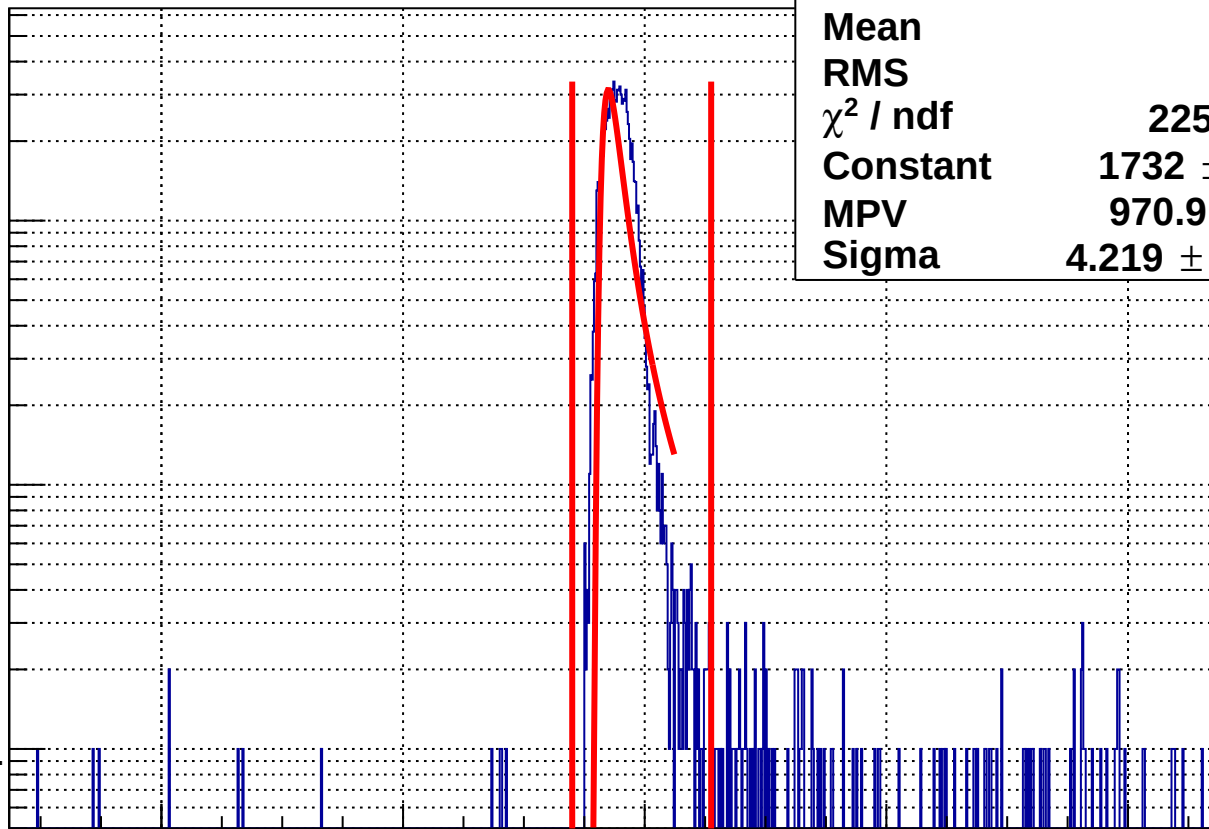
Entries	9608
Mean	981.7
RMS	34.67
χ^2 / ndf	2203 / 77
Constant	1881 ± 35.0
MPV	971.4 ± 0.2
Sigma	4.059 ± 0.063

LE time (ns)

Run# 19103014**tray_le_48****count** 10^2

10

1



Entries	9247
Mean	981.7
RMS	34.85
χ^2 / ndf	2256 / 72
Constant	1732 ± 33.5
MPV	970.9 ± 0.2
Sigma	4.219 ± 0.070

LE time (ns)

Run# 19103014

tray_le_49

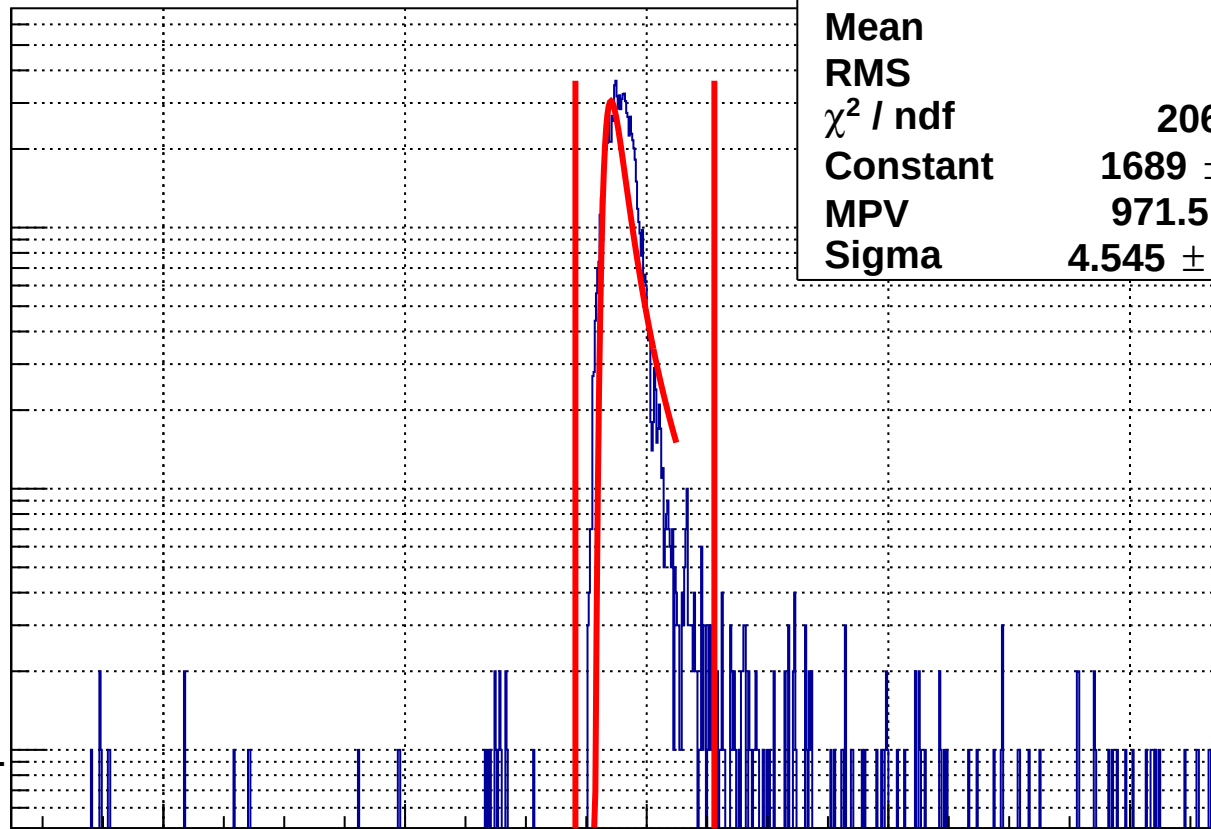
count

10^2

10

1

Entries	9348
Mean	982
RMS	34.54
χ^2 / ndf	2062 / 71
Constant	1689 ± 30.0
MPV	971.5 ± 0.2
Sigma	4.545 ± 0.066

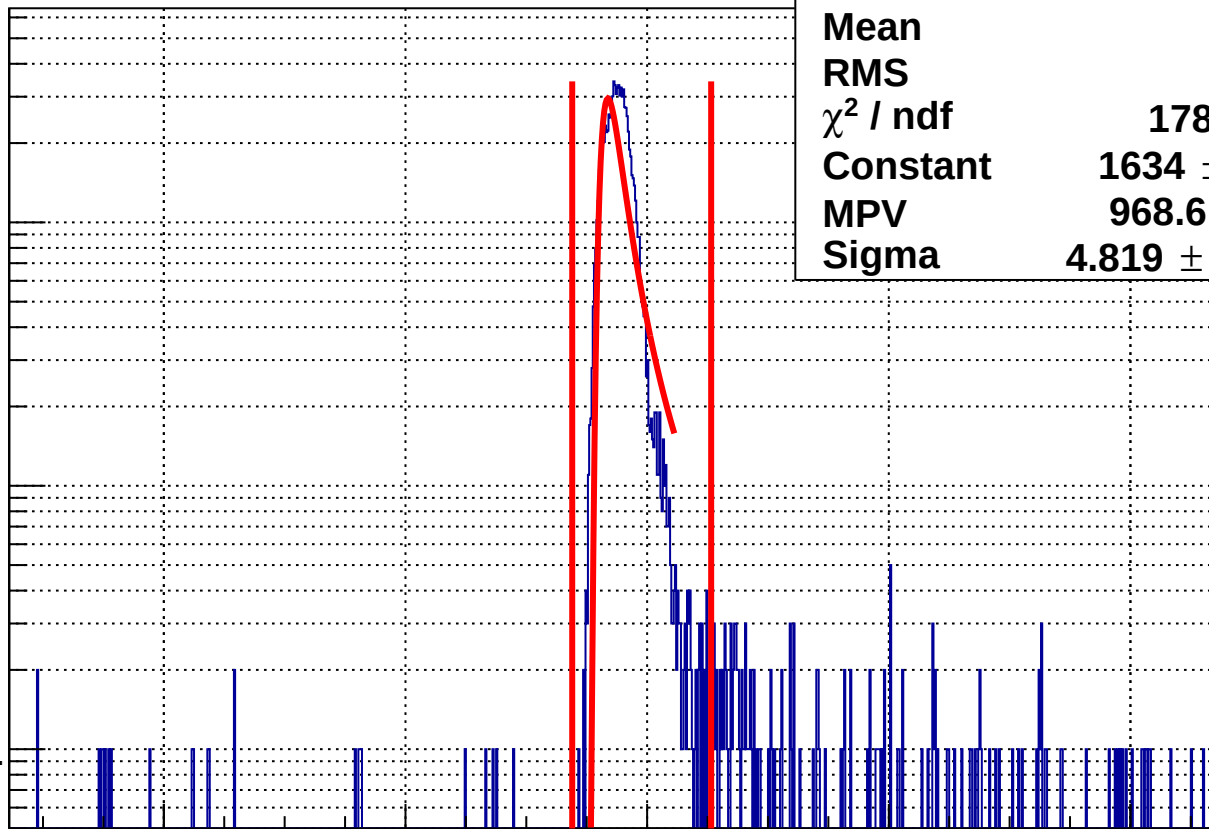


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Run# 19103014**tray_le_50****count** 10^2

10

1



Entries	9248
Mean	979.8
RMS	39.12
χ^2 / ndf	1782 / 73
Constant	1634 ± 28.3
MPV	968.6 ± 0.2
Sigma	4.819 ± 0.068

LE time (ns)

Run# 19103014

tray_le_51

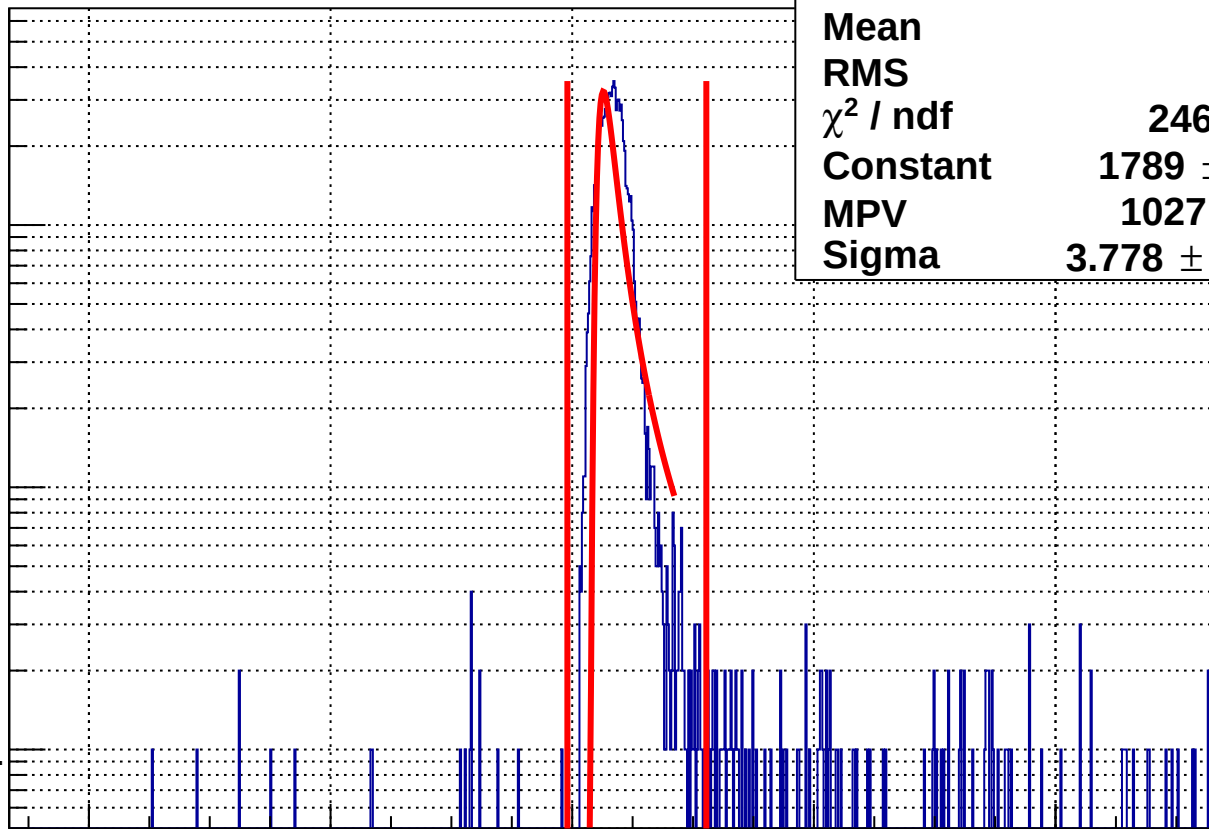
count

10^2

10

1

Entries	9071
Mean	1037
RMS	34.34
χ^2 / ndf	2463 / 77
Constant	1789 ± 33.4
MPV	1027 ± 0.2
Sigma	3.778 ± 0.056



LE time (ns)

Run# 19103014

tray_le_52

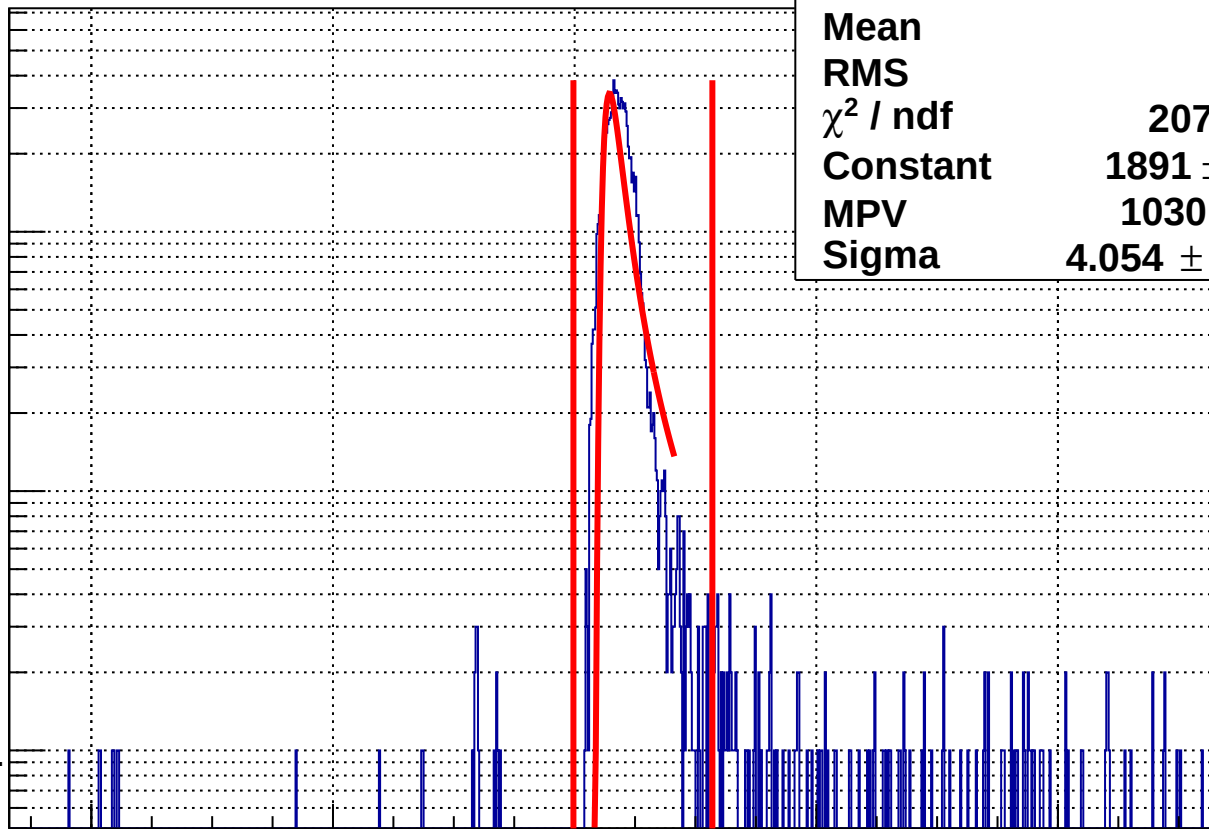
count

10^2

10

1

Entries	9465
Mean	1040
RMS	36.13
χ^2 / ndf	2076 / 72
Constant	1891 ± 33.2
MPV	1030 ± 0.2
Sigma	4.054 ± 0.058



600

800

1000

1200

1400

LE time (ns)

Run# 19103014

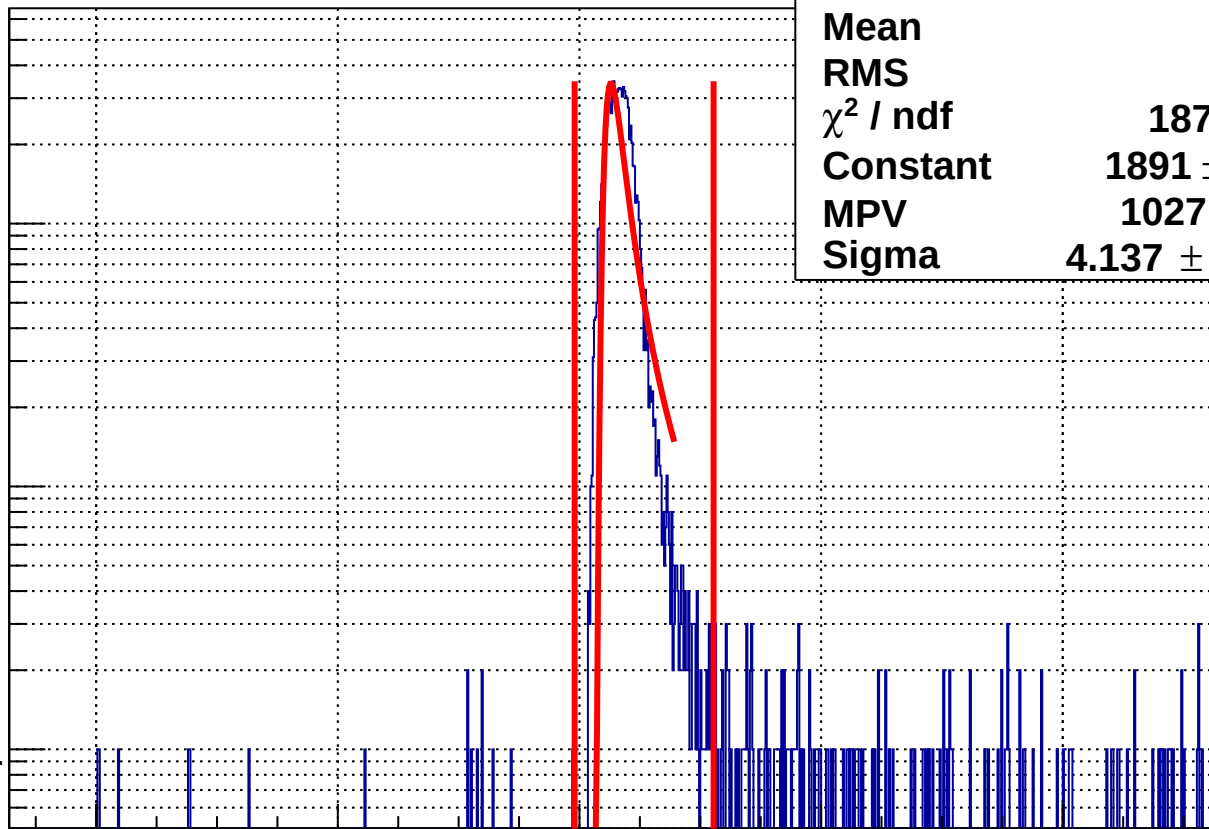
tray_le_53

count

10^2

10

1



Entries	9382
Mean	1038
RMS	38.04
χ^2 / ndf	1877 / 70
Constant	1891 ± 34.0
MPV	1027 ± 0.2
Sigma	4.137 ± 0.062

LE time (ns)

Run# 19103014

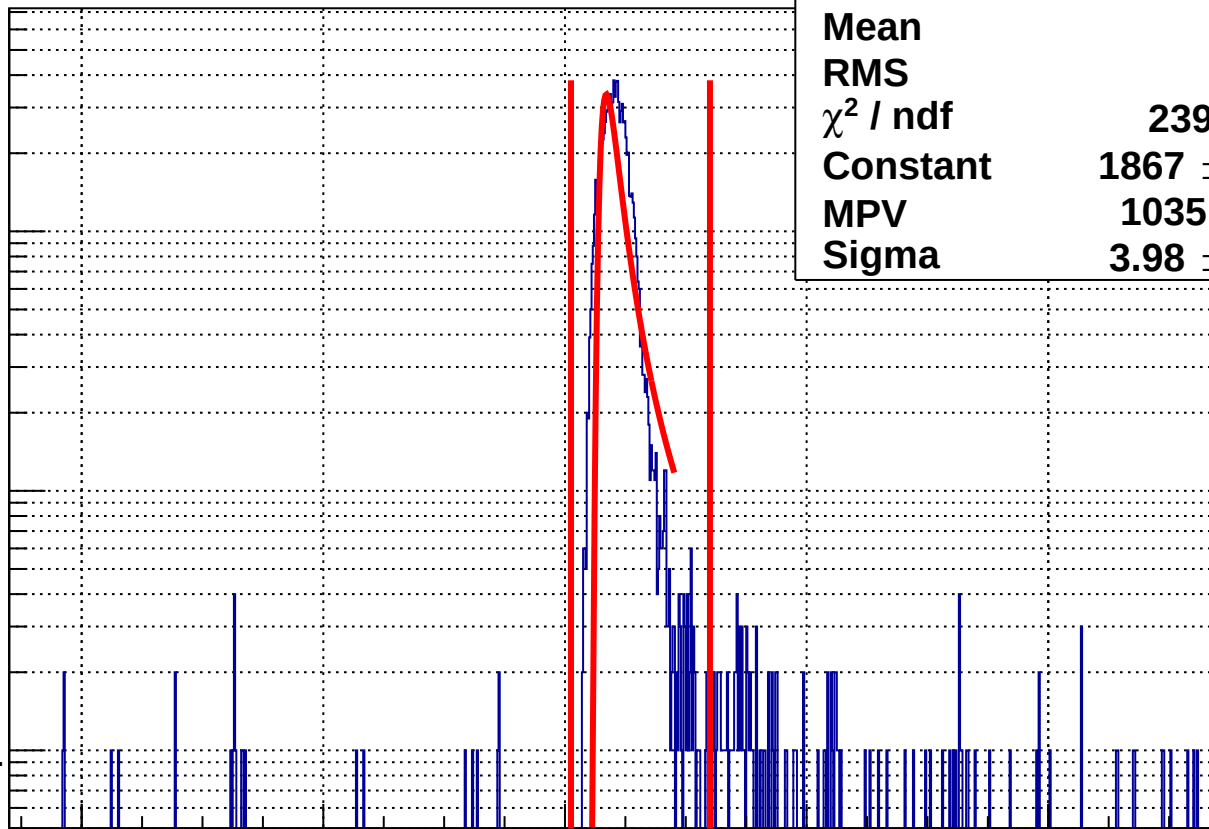
tray_le_54

count

10^2

10

1



Entries	9573
Mean	1044
RMS	32.01
χ^2 / nfd	2391 / 74
Constant	1867 ± 35.6
MPV	1035 ± 0.2
Sigma	3.98 ± 0.06

LE time (ns)

Run# 19103014

tray_le_55

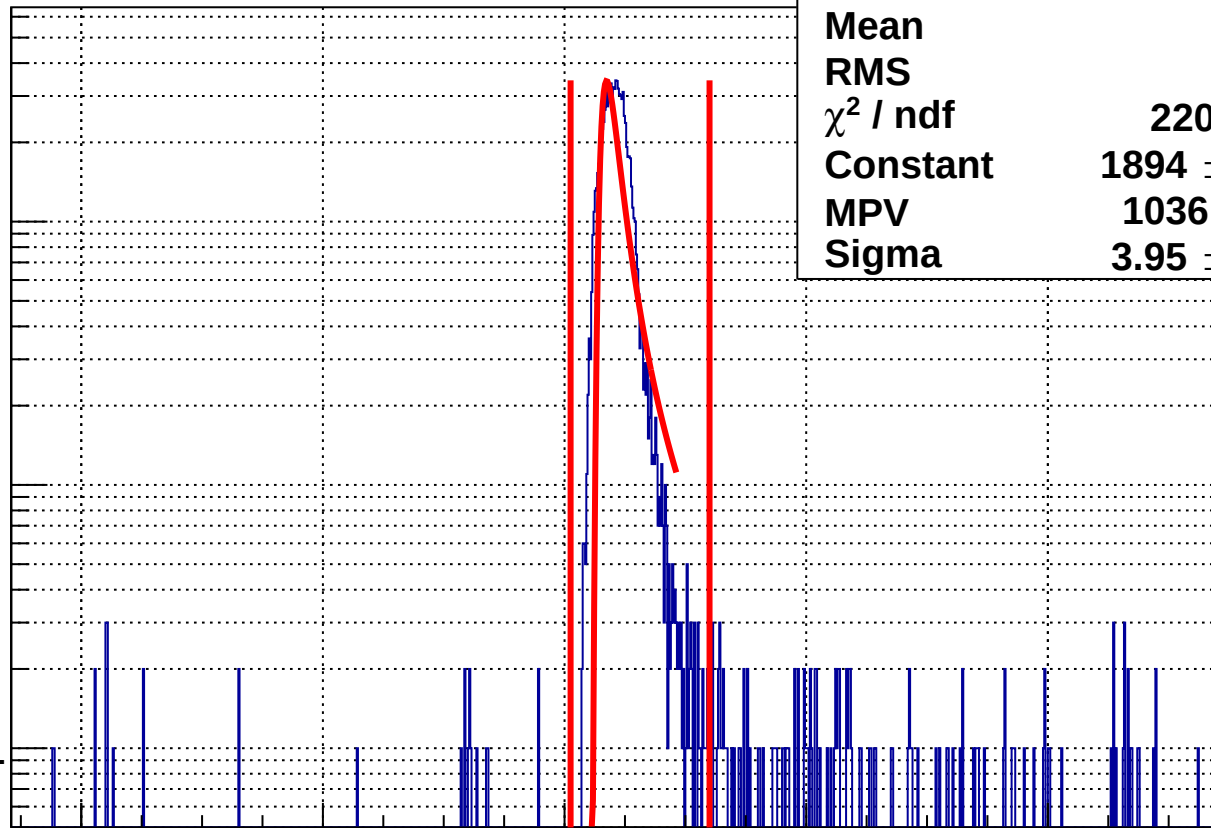
count

10^2

10

1

Entries	9436
Mean	1045
RMS	36.92
χ^2 / ndf	2201 / 76
Constant	1894 ± 36.5
MPV	1036 ± 0.2
Sigma	3.95 ± 0.06



LE time (ns)

Run# 19103014

tray_le_56

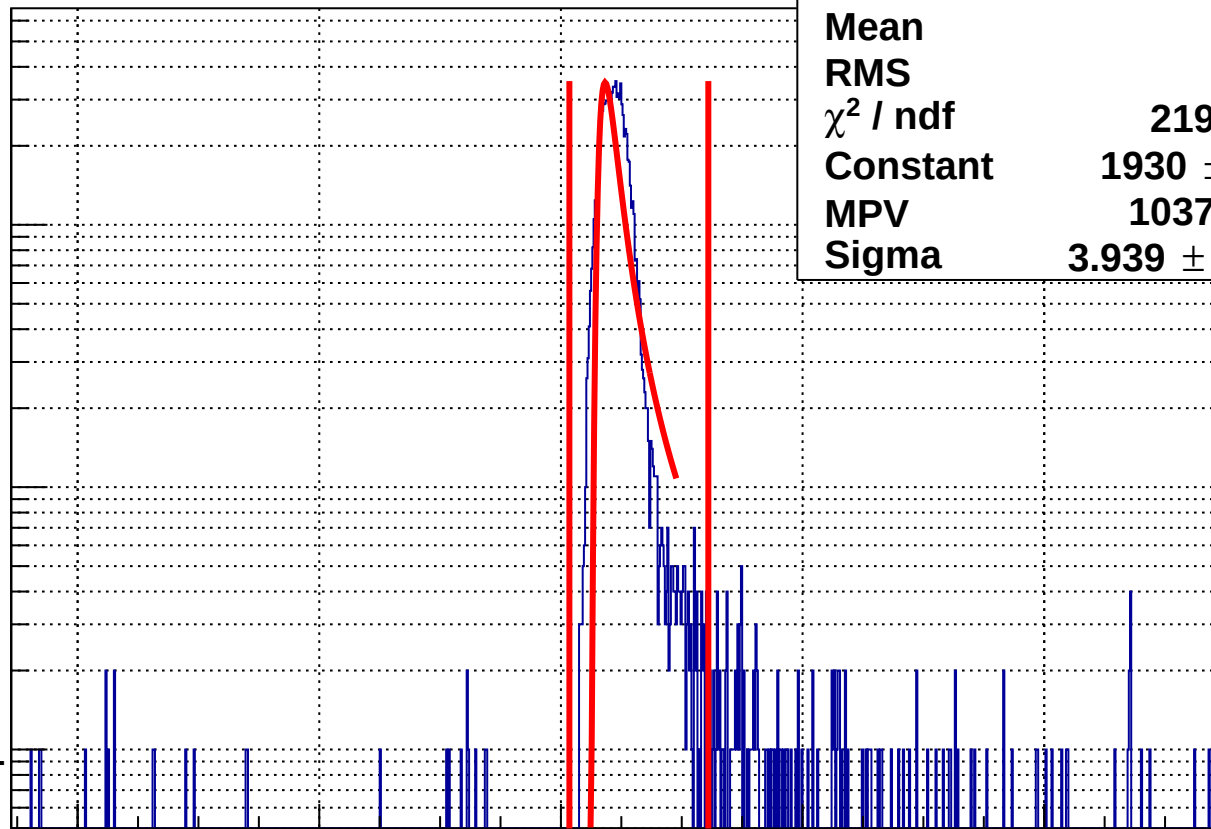
count

10^2

10

1

Entries	9596
Mean	1047
RMS	33.55
χ^2 / ndf	2199 / 78
Constant	1930 ± 33.6
MPV	1037 ± 0.1
Sigma	3.939 ± 0.055

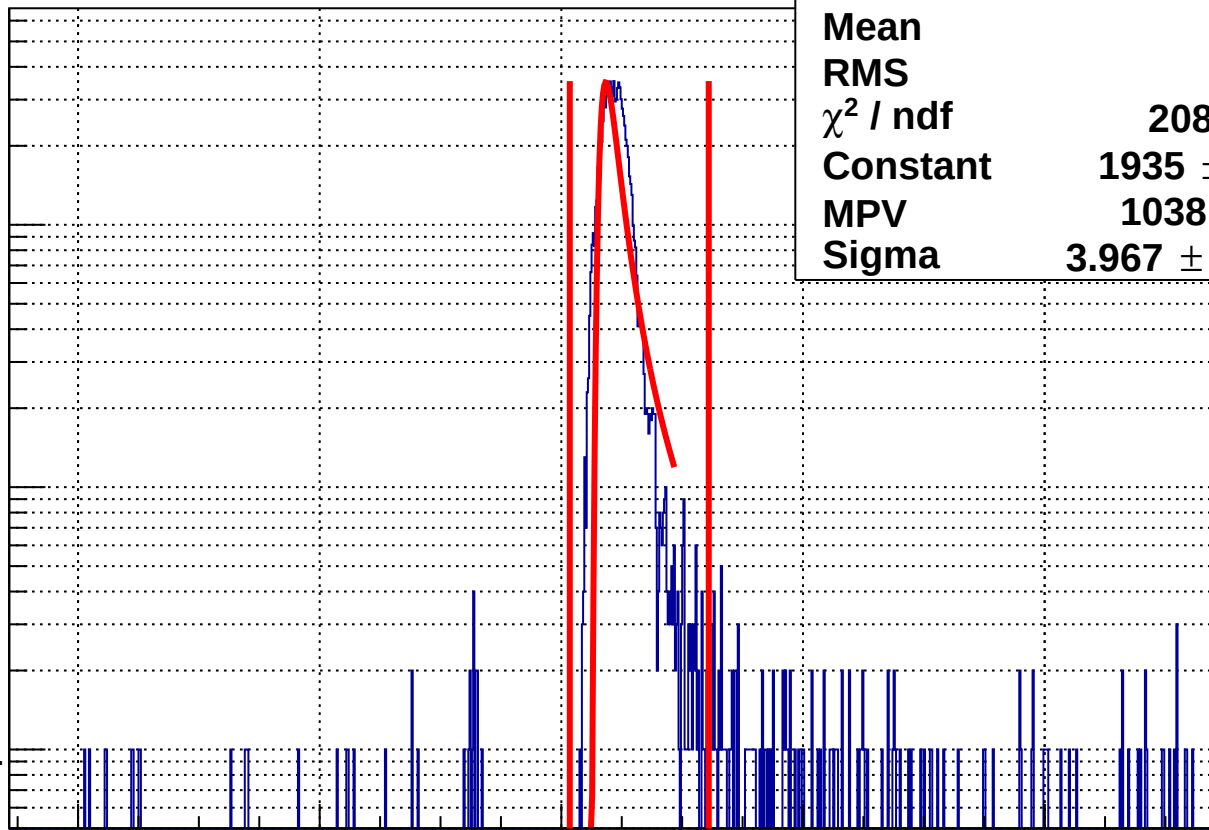


LE time (ns)

Run# 19103014**tray_le_57****count** 10^2

10

1



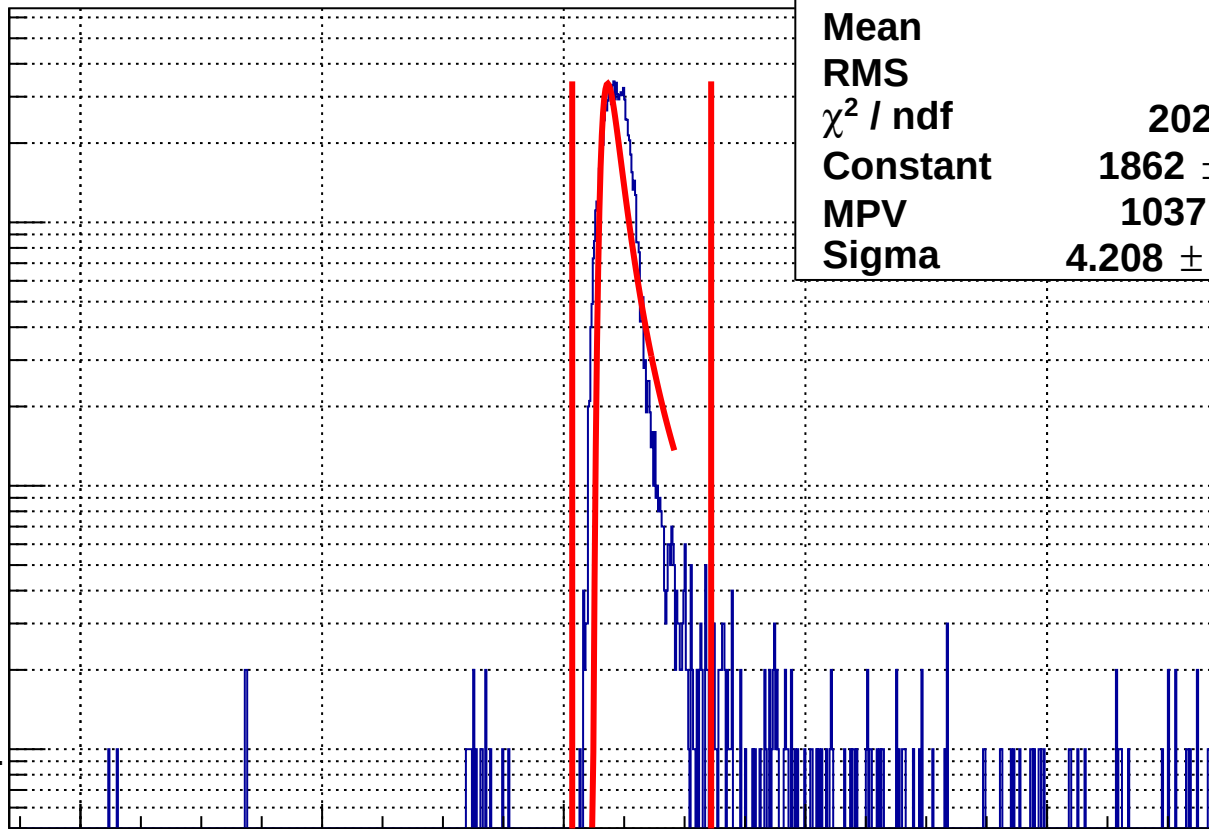
Entries	9534
Mean	1048
RMS	37.55
χ^2 / ndf	2088 / 75
Constant	1935 $\pm$ 34.3
MPV	1038 $\pm$ 0.2
Sigma	3.967 $\pm$ 0.057

LE time (ns)

Run# 19103014**tray_le_58****count** 10^2

10

1



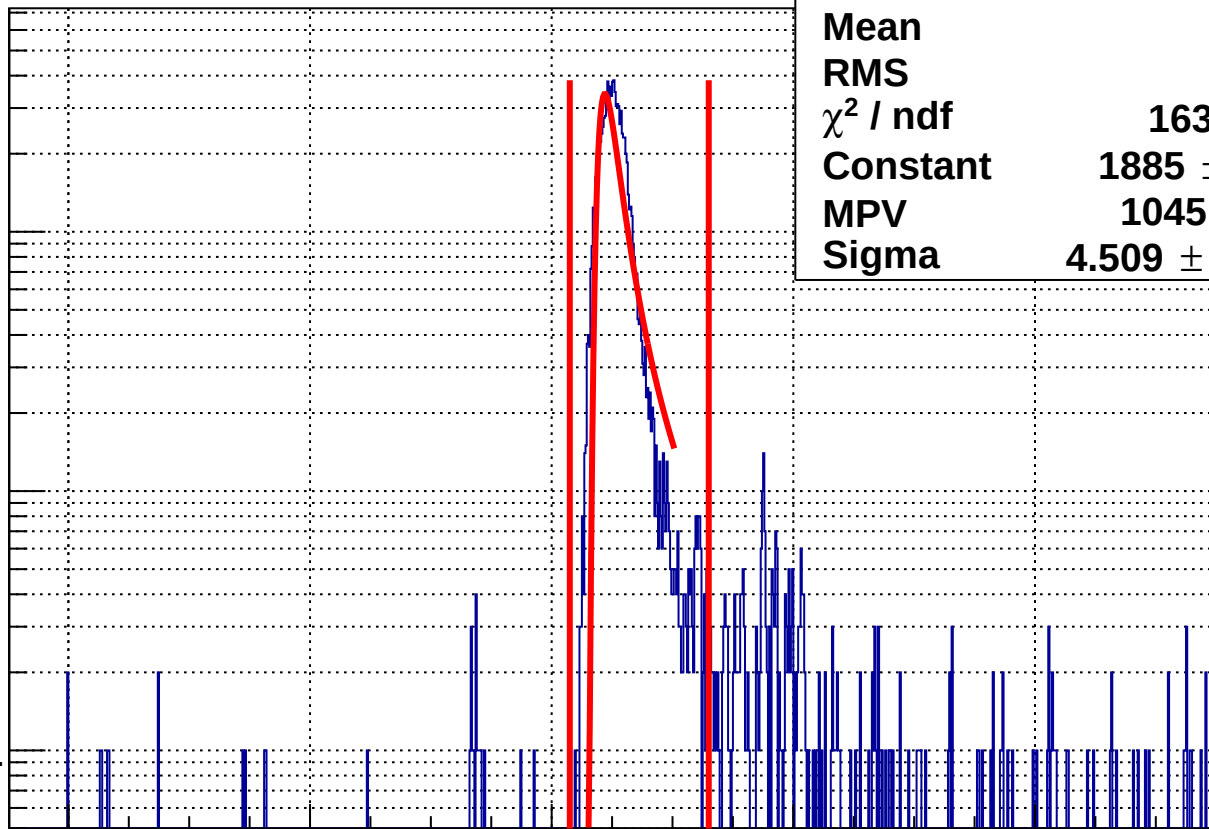
Entries	9516
Mean	1048
RMS	35.3
χ^2 / ndf	2027 / 74
Constant	1862 ± 33.5
MPV	1037 ± 0.2
Sigma	4.208 ± 0.063

LE time (ns)

Run# 19103014**tray_le_59****count** 10^2

10

1

**Entries****9932****Mean****1058****RMS****41.12** χ^2 / ndf **1630 / 77****Constant** **1885 ± 34.0** **MPV** **1045 ± 0.2** **Sigma** **4.509 ± 0.070**

LE time (ns)

Run# 19103014

tray_le_60

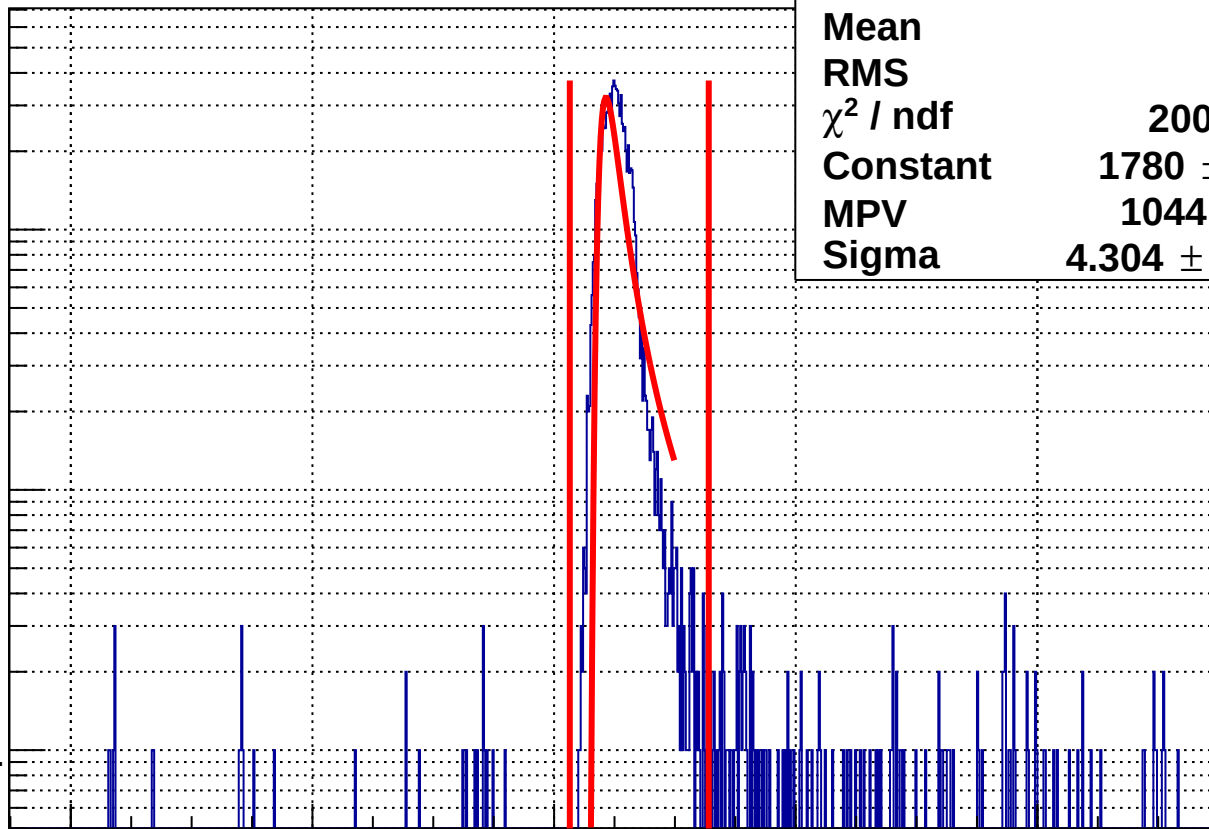
count

10^2

10

1

Entries	9386
Mean	1054
RMS	36.73
χ^2 / ndf	2007 / 77
Constant	1780 ± 32.3
MPV	1044 ± 0.2
Sigma	4.304 ± 0.065



LE time (ns)

Run# 19103014

tray_le_61

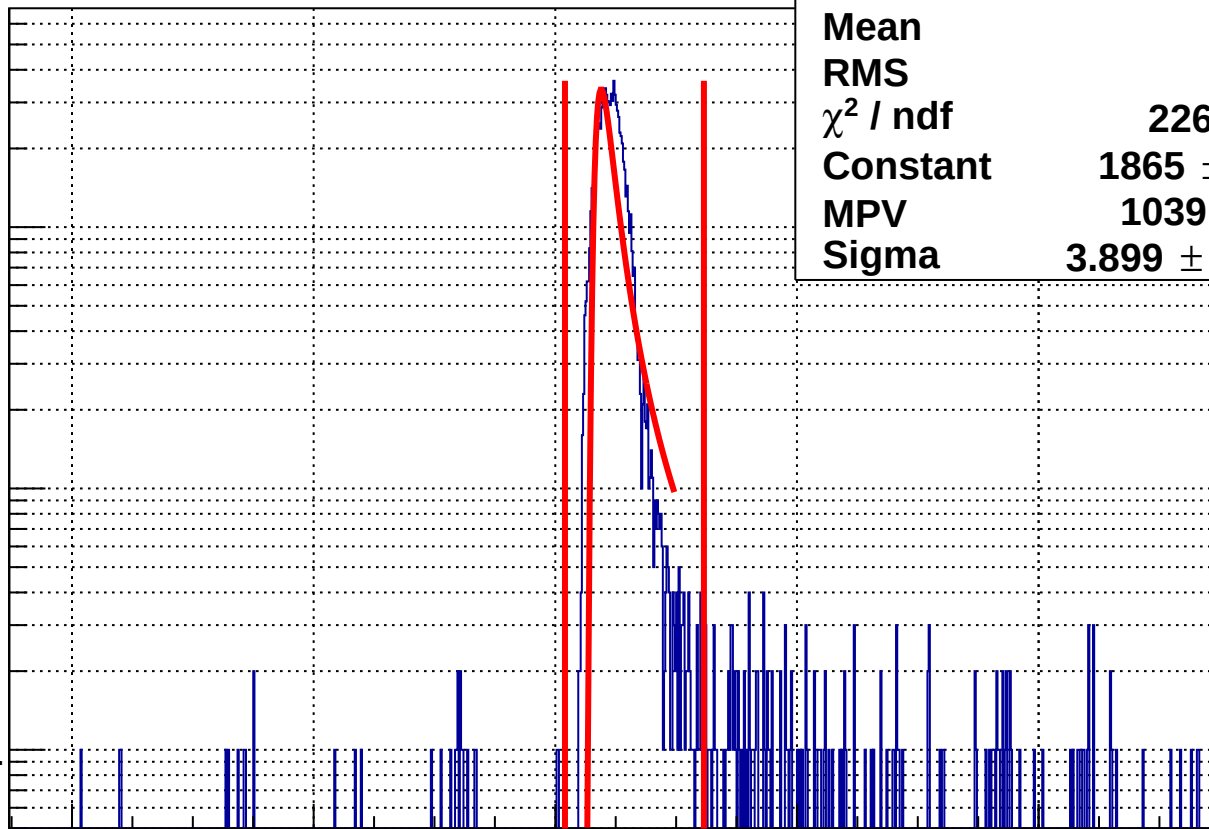
count

10^2

10

1

Entries	9400
Mean	1050
RMS	36.29
χ^2 / ndf	2267 / 79
Constant	1865 ± 33.5
MPV	1039 ± 0.2
Sigma	3.899 ± 0.056



600

800

1000

1200

1400

LE time (ns)

Run# 19103014

tray_le_62

count

10^2

10

1

600

800

1000

1200

1400

LE time (ns)

Entries

8697

Mean

1051

RMS

38.24

χ^2 / ndf

1720 / 77

Constant

1621 ± 31.0

MPV

1039 ± 0.2

Sigma

4.411 ± 0.071

Run# 19103014

tray_le_63

count

10^2

10

1

600

800

1000

1200

1400

LE time (ns)

Entries

9749

Mean

1041

RMS

33.22

χ^2 / nfd

2857 / 79

Constant

1870 ± 32.7

MPV

1030 ± 0.2

Sigma

3.756 ± 0.050

Run# 19103014

tray_le_64

count

10^2

10

1

600

800

1000

1200

1400

LE time (ns)

Entries

7950

Mean

1042

RMS

35.18

χ^2 / ndf

1568 / 74

Constant

1530 ± 29.1

MPV

1031 ± 0.2

Sigma

4.367 ± 0.068

Run# 19103014

tray_le_65

count

10^2

10

1

600

800

1000

1200

1400

LE time (ns)

Entries

7981

Mean

1044

RMS

38.18

χ^2 / ndf

1536 / 74

Constant

1559 ± 29.5

MPV

1031 ± 0.2

Sigma

4.265 ± 0.066

Run# 19103014

tray_le_66

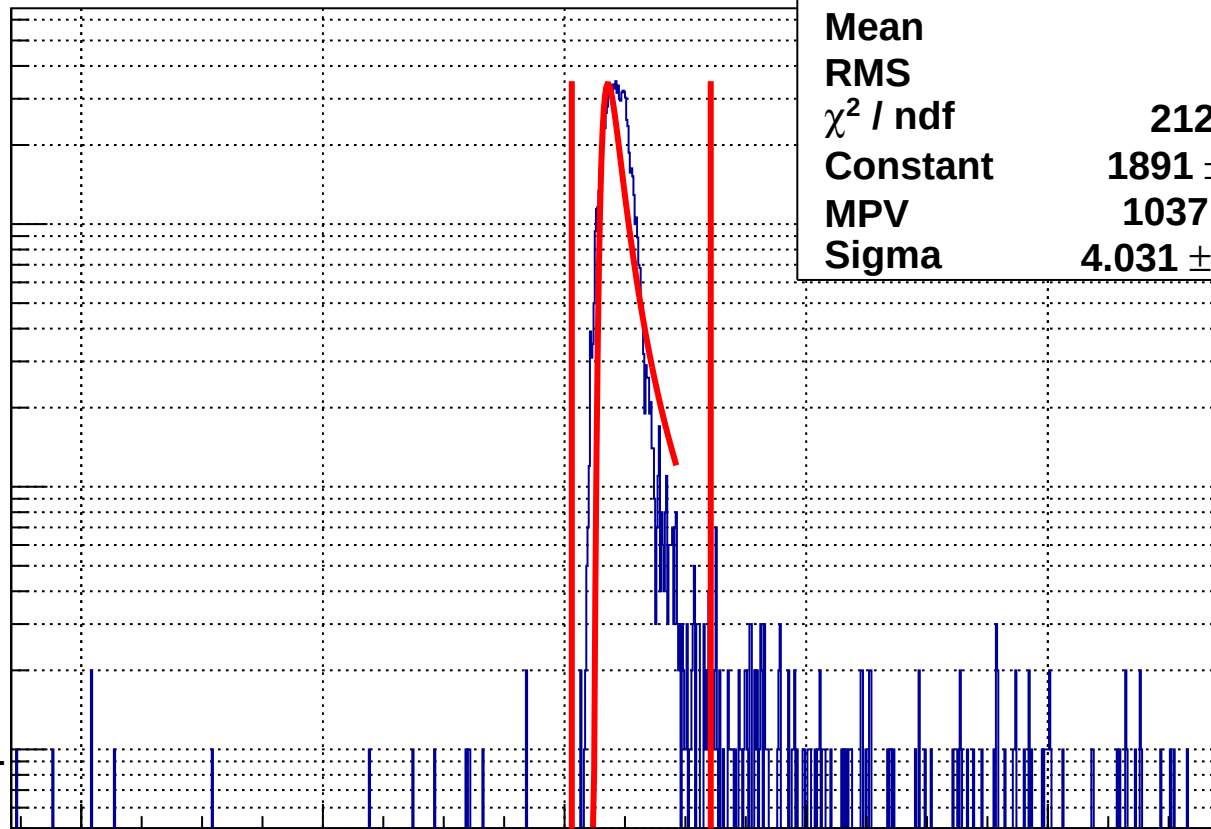
count

10^2

10

1

Entries	9473
Mean	1048
RMS	35.13
χ^2 / ndf	2126 / 75
Constant	1891 ± 34.5
MPV	1037 ± 0.2
Sigma	4.031 ± 0.061



LE time (ns)

Run# 19103014

tray_le_67

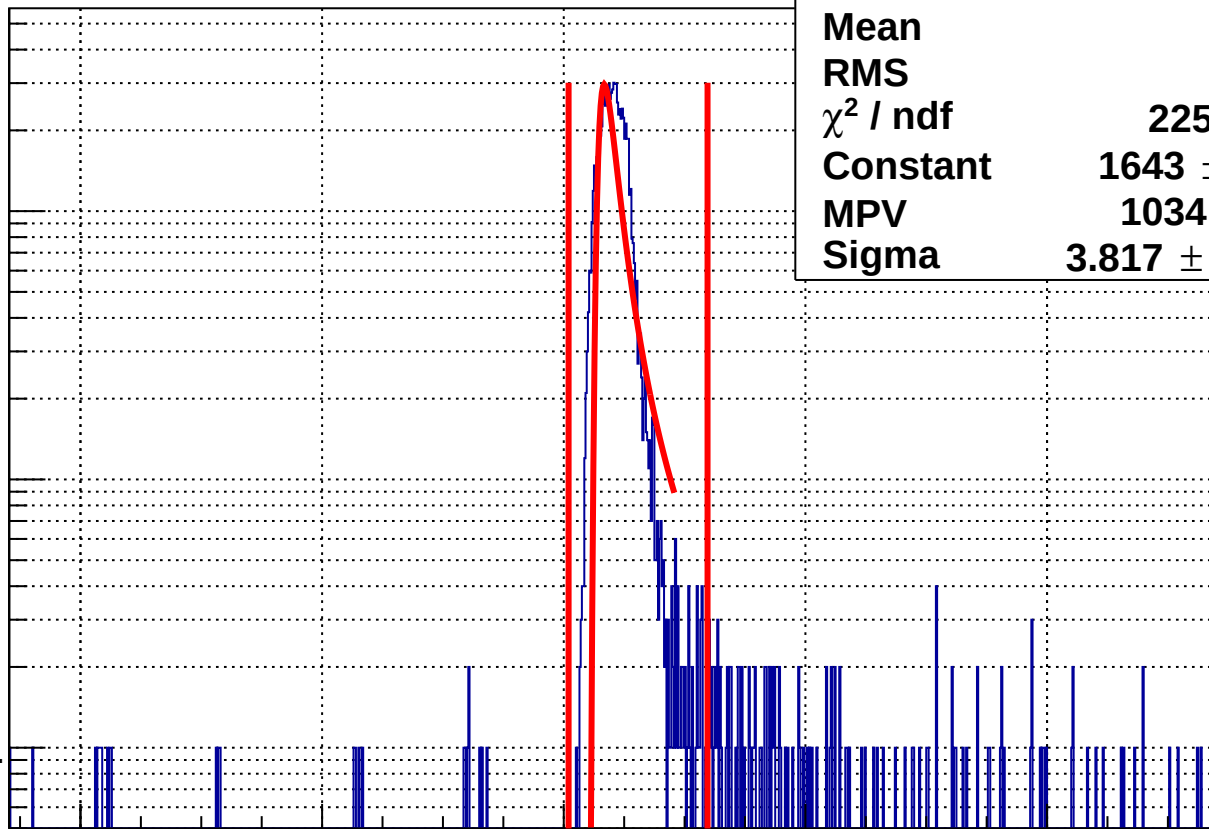
count

10^2

10

1

Entries	8349
Mean	1044
RMS	36.31
χ^2 / ndf	2254 / 76
Constant	1643 ± 36.3
MPV	1034 ± 0.2
Sigma	3.817 ± 0.073



LE time (ns)

Run# 19103014

tray_le_68

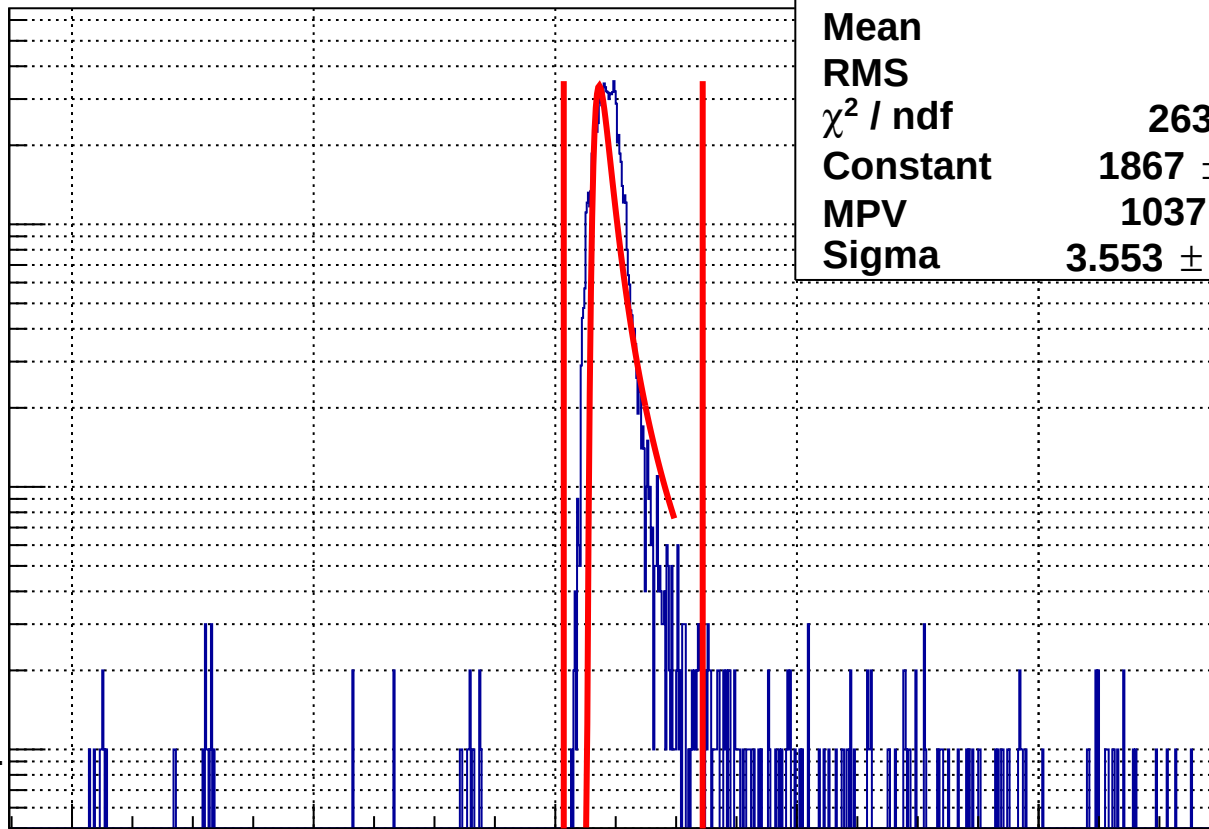
count

10^2

10

1

Entries	9170
Mean	1046
RMS	38.1
χ^2 / nfd	2633 / 82
Constant	1867 ± 35.7
MPV	1037 ± 0.2
Sigma	3.553 ± 0.054



600

800

1000

1200

1400

LE time (ns)

Run# 19103014**tray_le_69****count** 10^2

10

1

600

800

1000

1200

1400

LE time (ns)

Entries**9359****Mean****1045****RMS****38.31** χ^2 / ndf **2285 / 73****Constant** **1872 ± 36.0** **MPV** **1035 ± 0.2** **Sigma** **3.908 ± 0.064**

Run# 19103014

tray_le_70

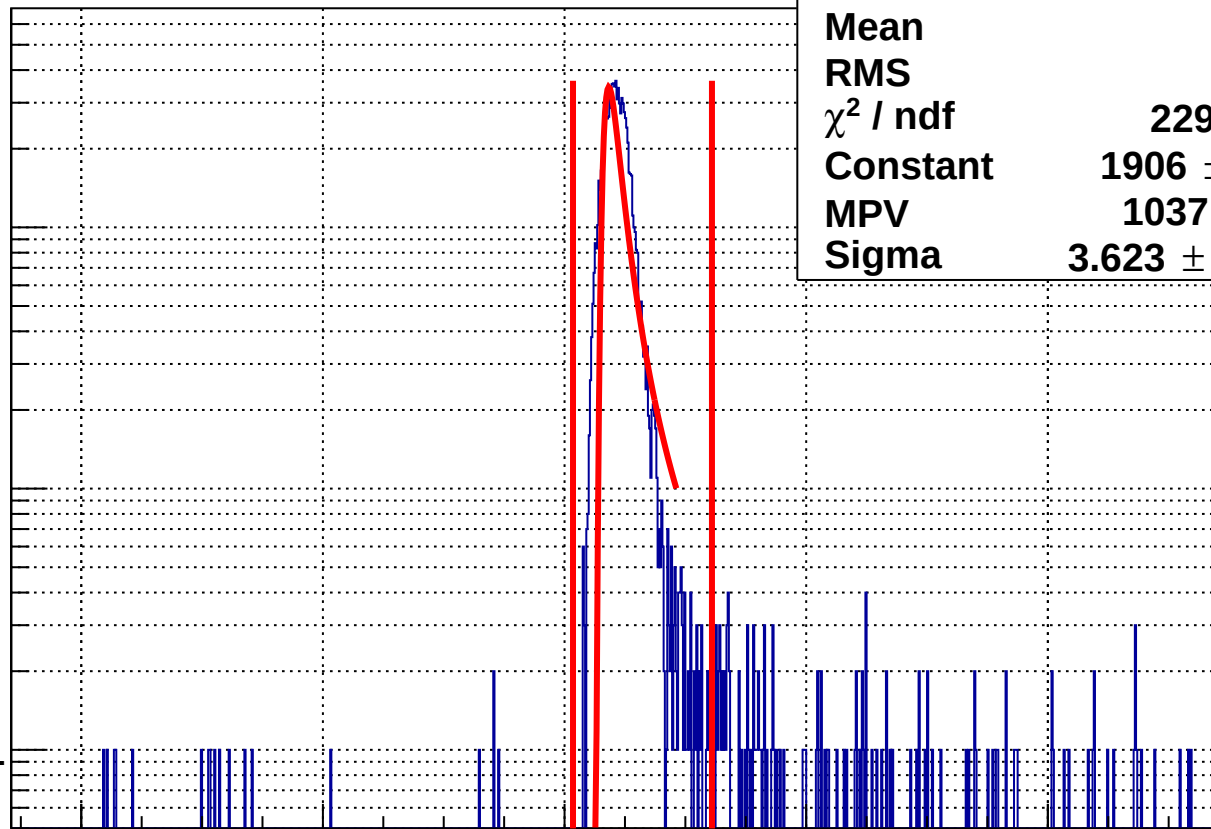
count

10^2

10

1

Entries	8999
Mean	1047
RMS	34.11
χ^2 / ndf	2290 / 73
Constant	1906 ± 36.9
MPV	1037 ± 0.2
Sigma	3.623 ± 0.058



LE time (ns)

Run# 19103014

tray_le_71

count

10^2

10

1

600

800

1000

1200

1400

LE time (ns)

Entries	8776
Mean	1048
RMS	39.46
χ^2 / nfd	2067 / 72
Constant	1695 ± 30.6
MPV	1036 ± 0.2
Sigma	4.096 ± 0.059

Run# 19103014

tray_le_72

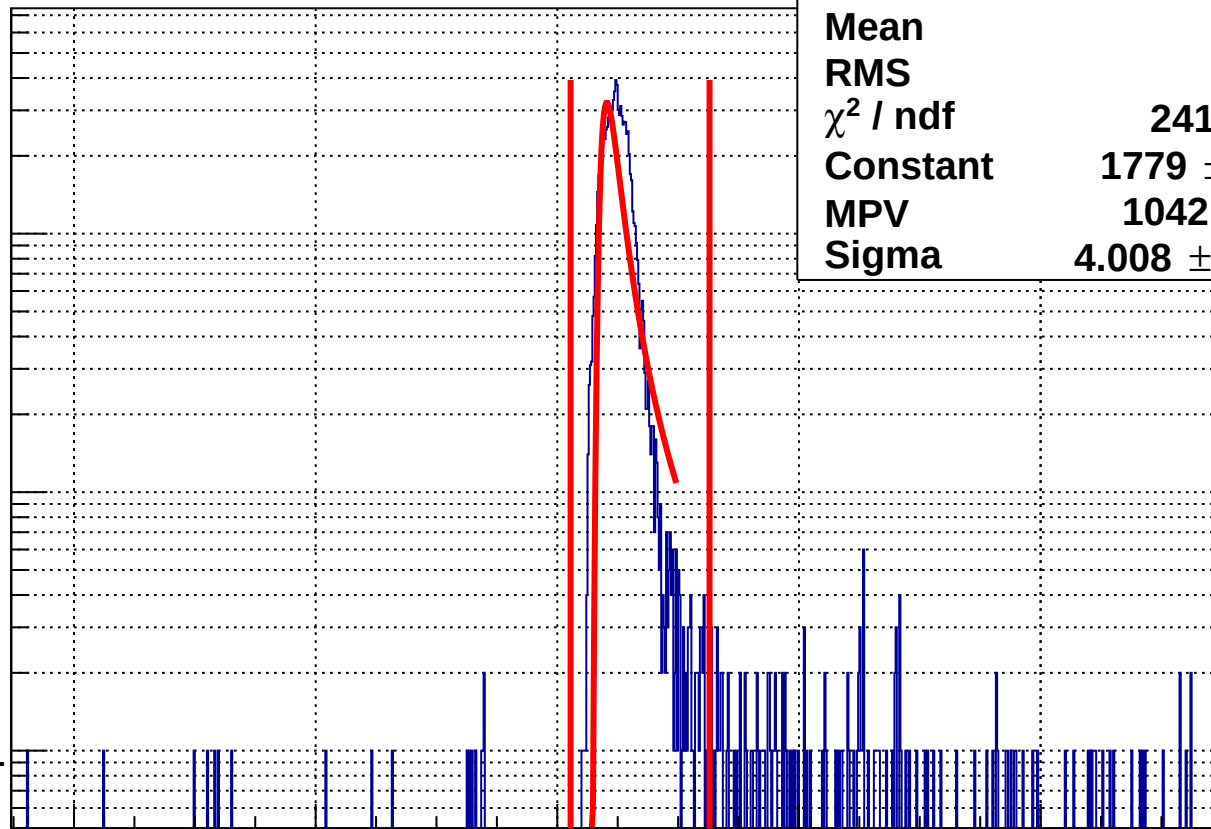
count

10^2

10

1

Entries	9330
Mean	1053
RMS	35.26
χ^2 / nfd	2417 / 76
Constant	1779 ± 33.2
MPV	1042 ± 0.2
Sigma	4.008 ± 0.061



600

800

1000

1200

1400

LE time (ns)

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Run# 19103014

tray_le_73

count

10^2

10

1

600

800

1000

1200

1400

LE time (ns)

Entries

9299

Mean

1056

RMS

35.92

χ^2 / nfd

2107 / 75

Constant

1896 ± 34.1

MPV

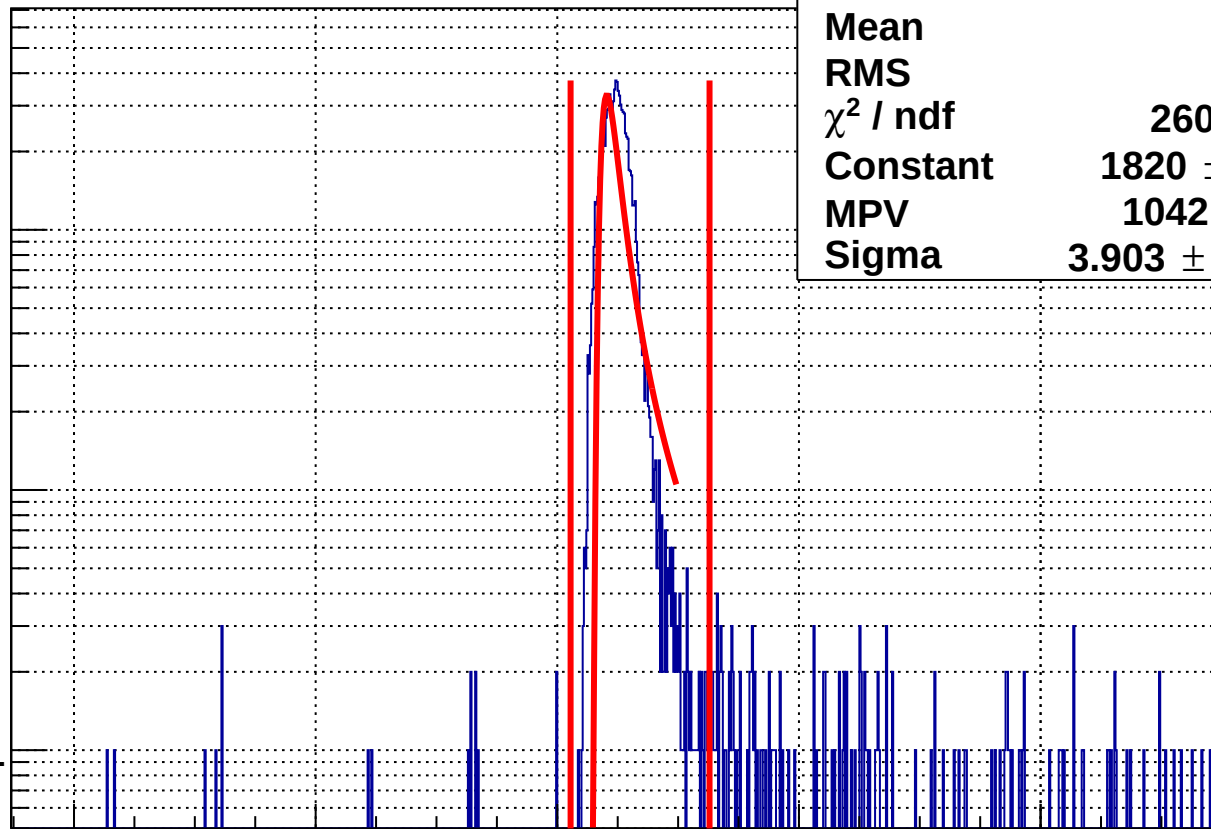
1045 ± 0.2

Sigma

3.913 ± 0.057

Run# 19103014**tray_le_74****count****10²****10****1**

Entries	9476
Mean	1052
RMS	35.04
χ^2 / ndf	2602 / 78
Constant	1820 $\pm$ 34.7
MPV	1042 $\pm$ 0.2
Sigma	3.903 $\pm$ 0.062

**LE time (ns)**

Run# 19103014

tray_le_75

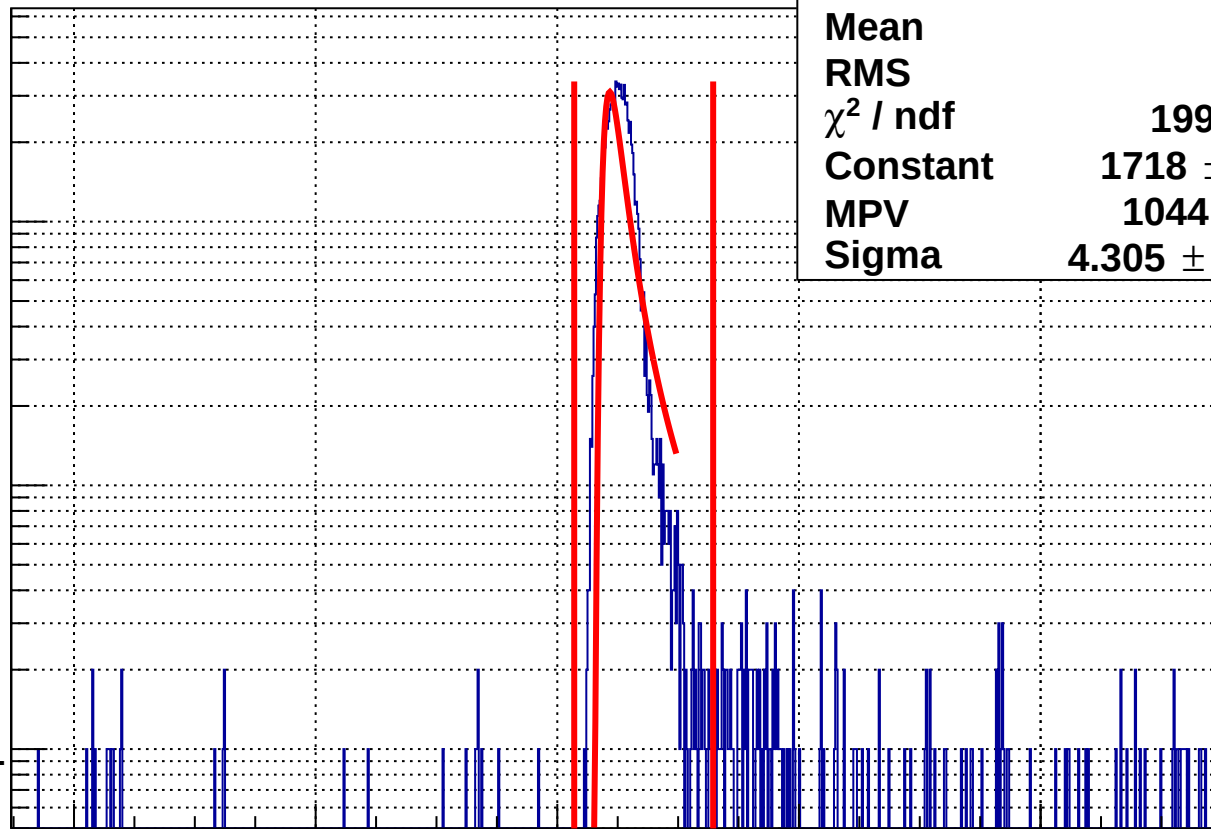
count

10^2

10

1

Entries	9079
Mean	1055
RMS	39.98
χ^2 / ndf	1991 / 73
Constant	1718 ± 32.6
MPV	1044 ± 0.2
Sigma	4.305 ± 0.069



600

800

1000

1200

1400

LE time (ns)

Run# 19103014

tray_le_76

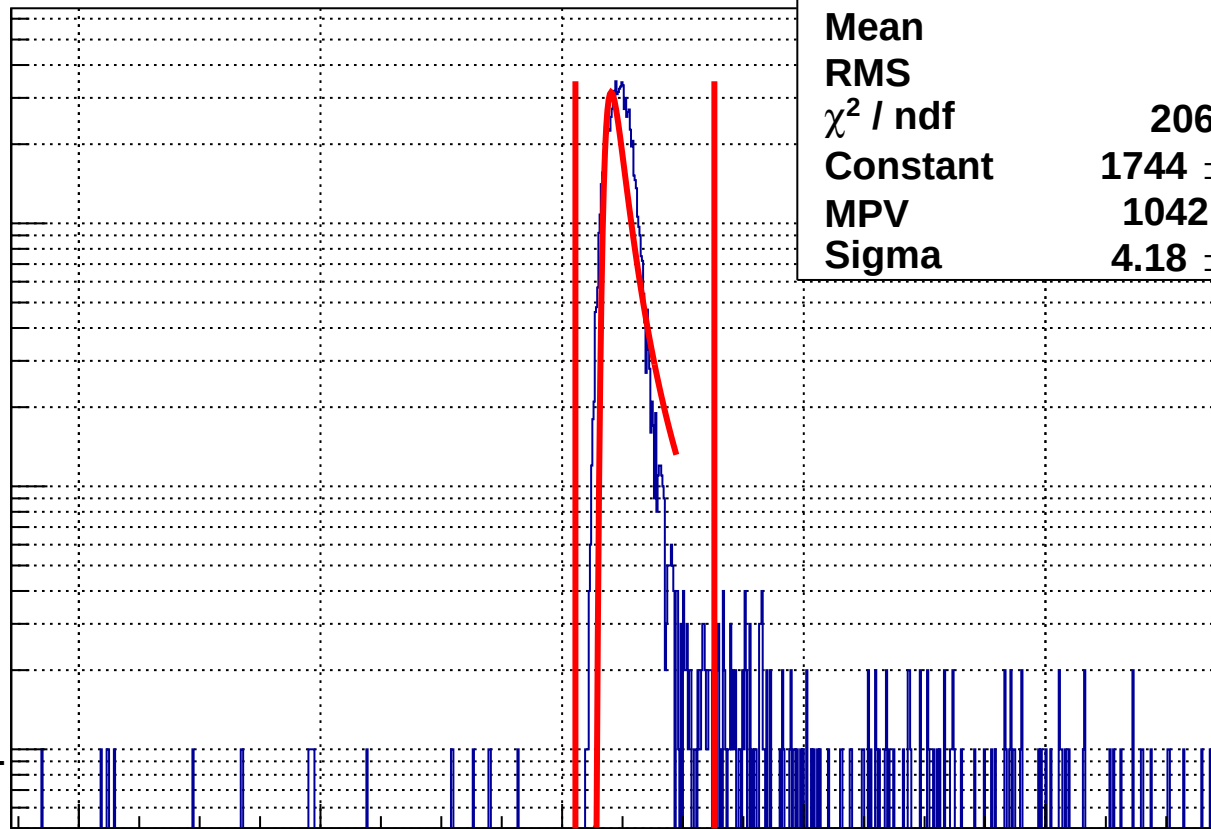
count

10^2

10

1

Entries	9039
Mean	1052
RMS	36.51
χ^2 / ndf	2063 / 72
Constant	1744 ± 35.4
MPV	1042 ± 0.2
Sigma	4.18 ± 0.07



LE time (ns)

Run# 19103014

tray_le_77

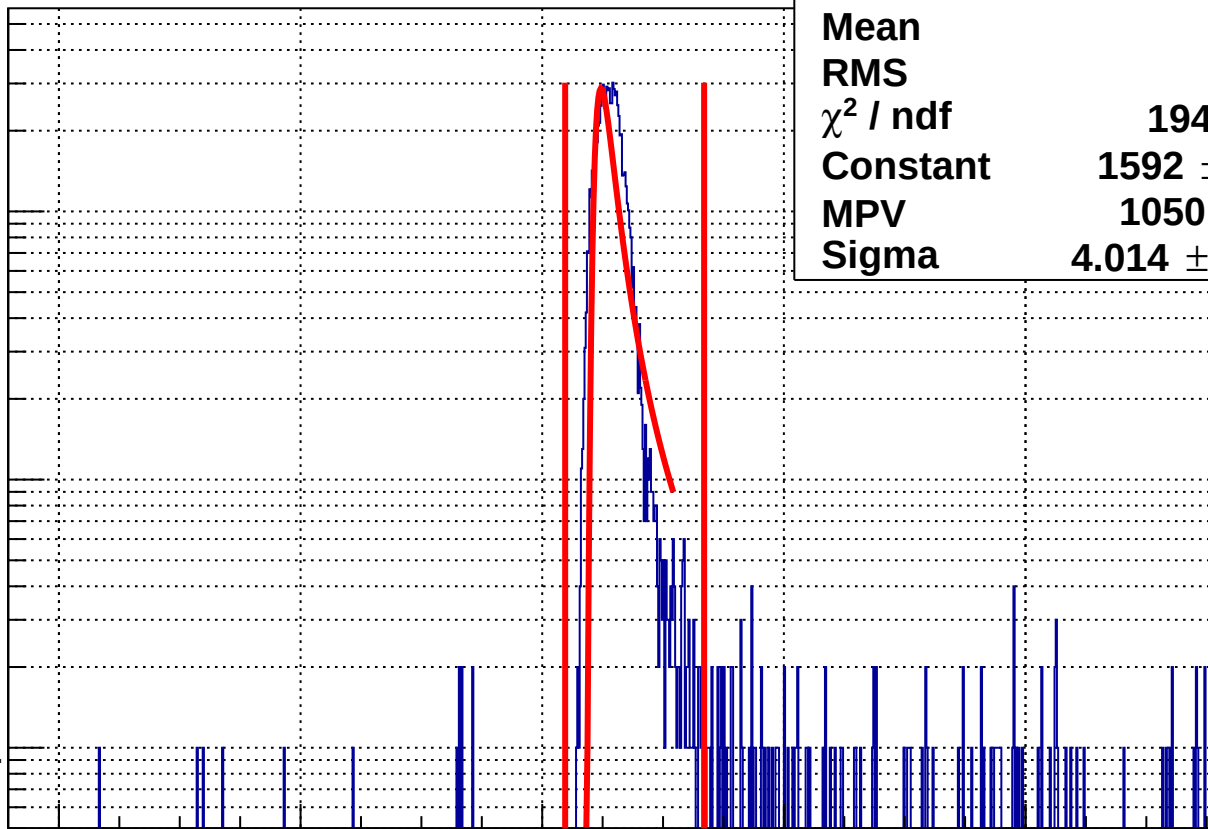
count

10^2

10

1

Entries	8167
Mean	1060
RMS	36.26
χ^2 / ndf	1941 / 78
Constant	1592 ± 33.0
MPV	1050 ± 0.2
Sigma	4.014 ± 0.071



600

800

1000

1200

1400

LE time (ns)

Run# 19103014

tray_le_78

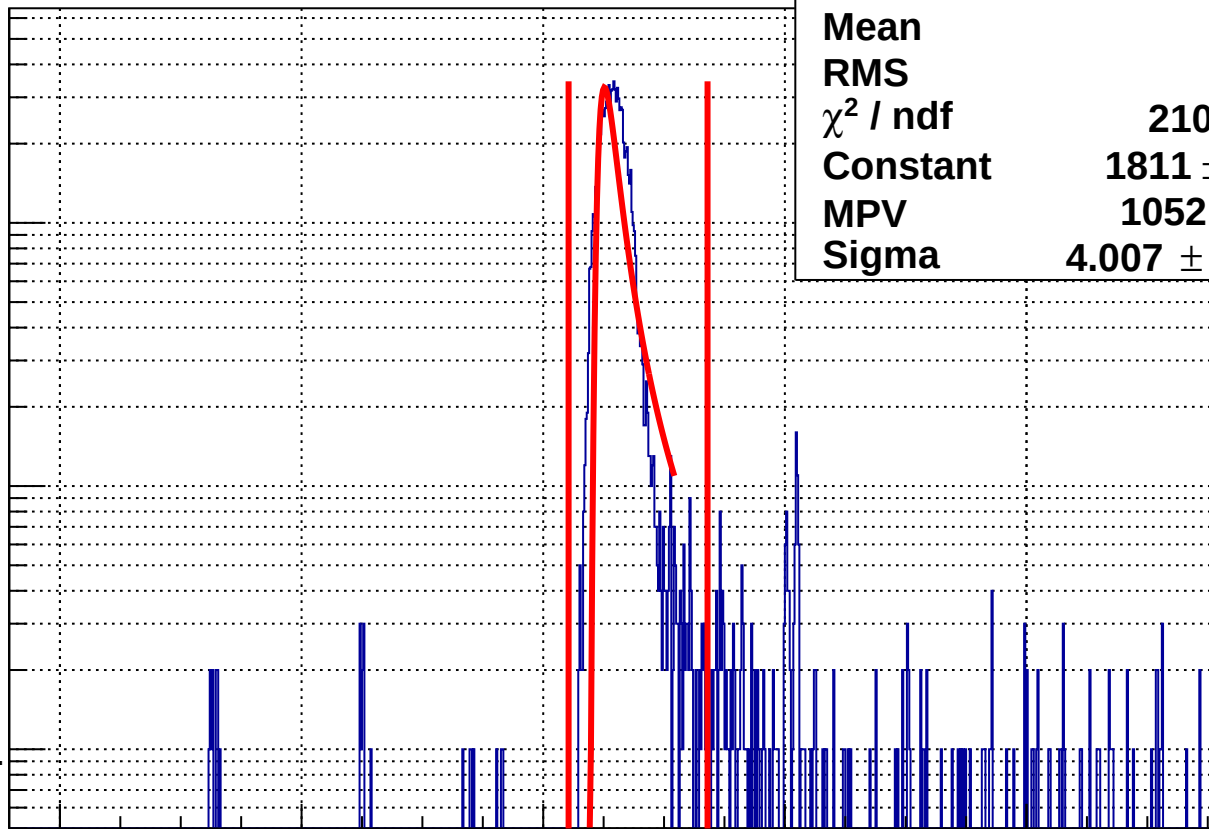
count

10^2

10

1

Entries	9238
Mean	1064
RMS	42.2
χ^2 / ndf	2105 / 76
Constant	1811 ± 33.0
MPV	1052 ± 0.2
Sigma	4.007 ± 0.059



600

800

1000

1200

1400

LE time (ns)

Run# 19103014

tray_le_79

count

10^2

10

1

600

800

1000

1200

1400

LE time (ns)

Entries

9161

Mean

1067

RMS

62.34

χ^2 / ndf

2420 / 75

Constant

1827 ± 34.1

MPV

1051 ± 0.2

Sigma

3.714 ± 0.056

Run# 19103014

count

10^2

10

1

600

800

1000

1200

1400

LE time (ns)

Entries

9360

Mean

1061

RMS

39.09

χ^2 / ndf

2110 / 79

Constant

1905 ± 35.2

MPV

1050 ± 0.2

Sigma

3.912 ± 0.060

tray_le_80

Run# 19103014

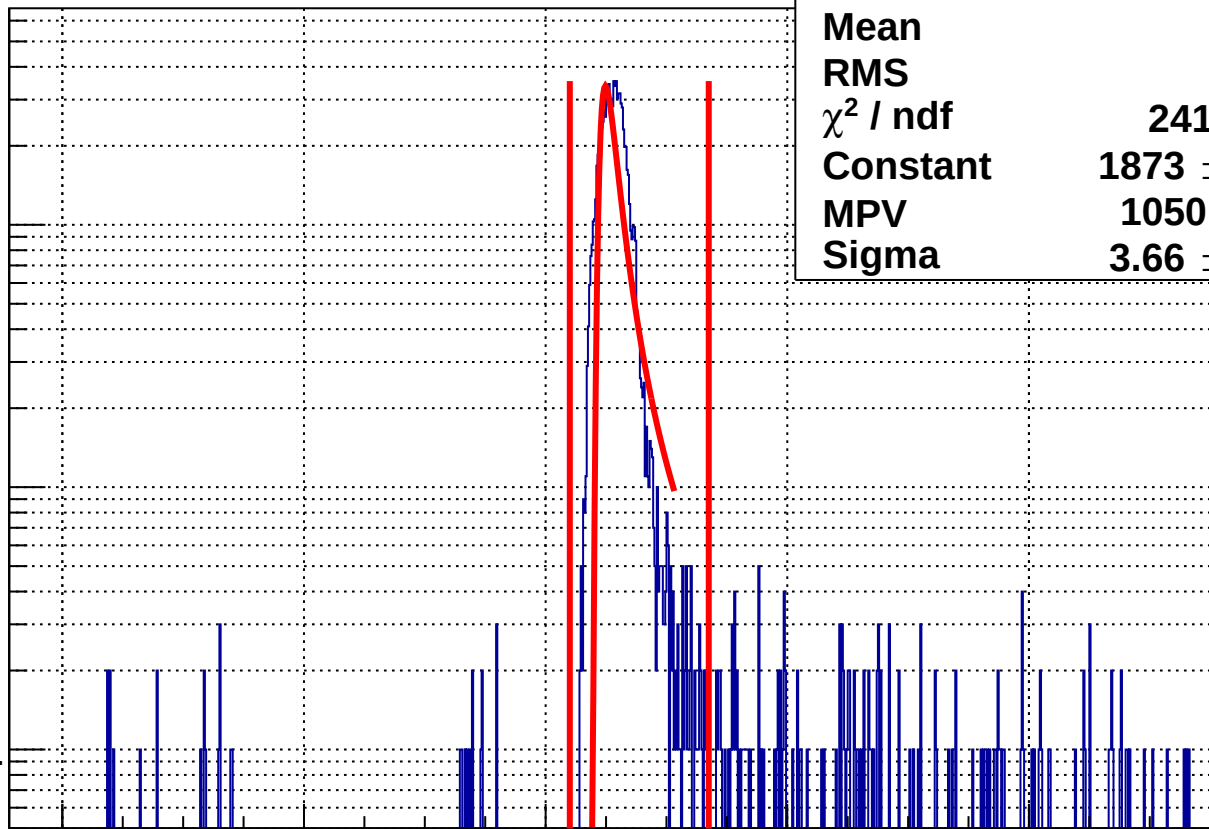
tray_le_81

count

10^2

10

1



Entries	9093
Mean	1060
RMS	39.85
χ^2 / ndf	2417 / 75
Constant	1873 ± 38.7
MPV	1050 ± 0.2
Sigma	3.66 ± 0.07

LE time (ns)

Run# 19103014

tray_le_82

count

10^2

10

1

600

800

1000

1200

1400

LE time (ns)

Entries

9448

Mean

1060

RMS

37.02

χ^2 / ndf

1615 / 70

Constant

1893 ± 34.1

MPV

1050 ± 0.1

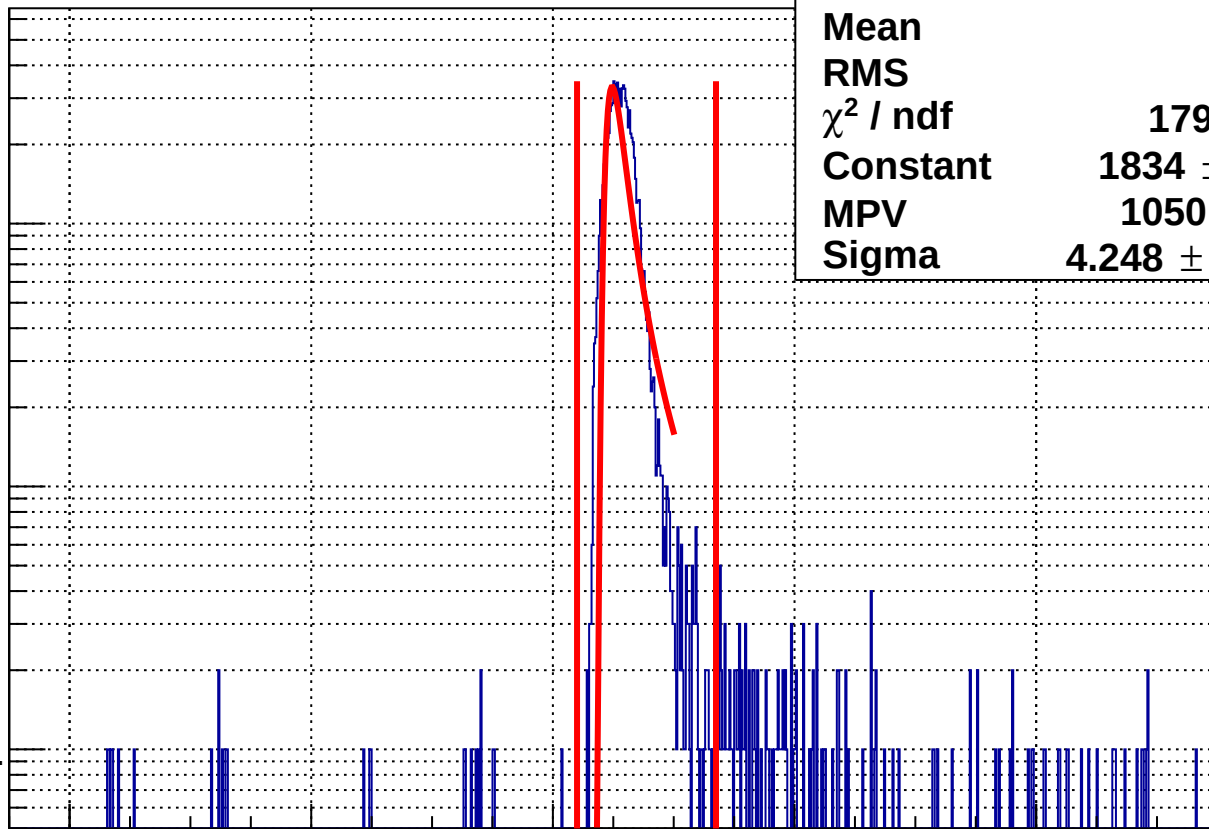
Sigma

4.287 ± 0.066

Run# 19103014**tray_le_83****count** 10^2

10

1



600

800

1000

1200

1400

LE time (ns)

Run# 19103014

tray_le_84

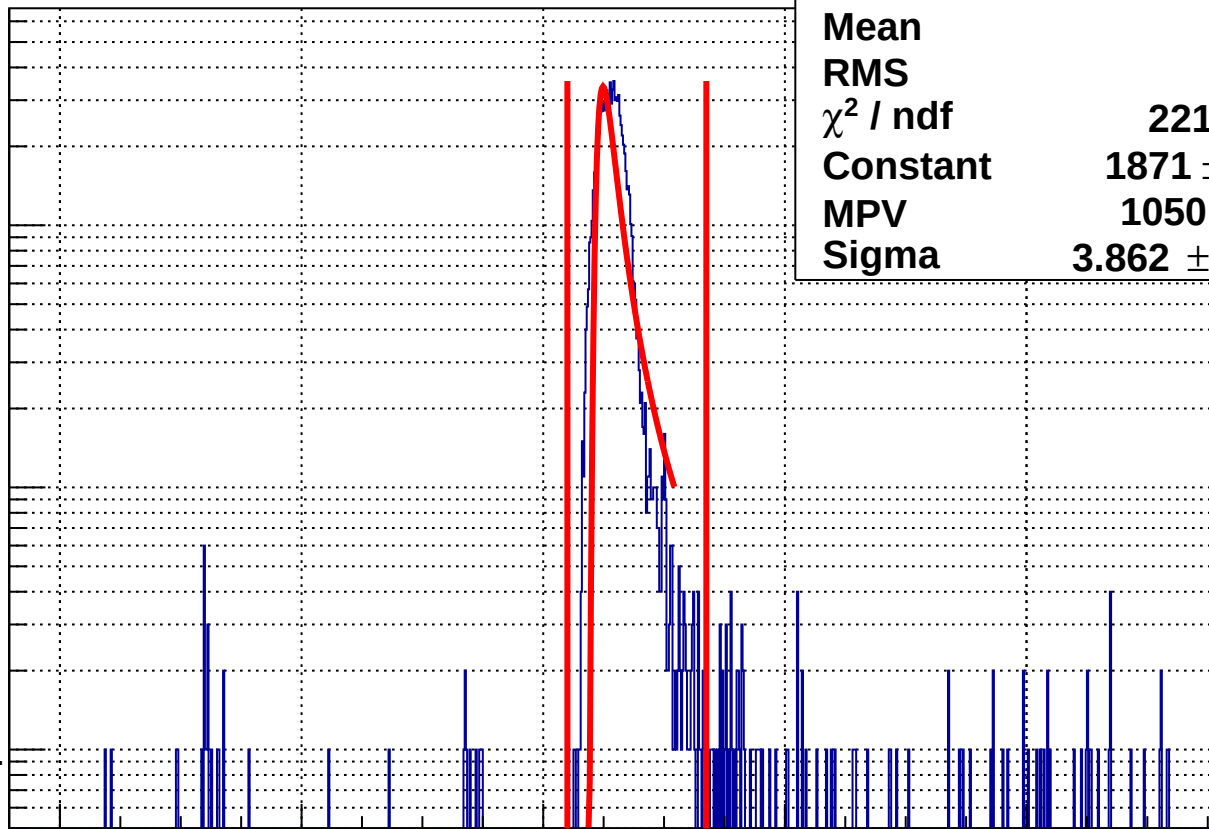
count

10^2

10

1

Entries	9223
Mean	1059
RMS	34.87
χ^2 / ndf	2217 / 79
Constant	1871 ± 35.6
MPV	1050 ± 0.2
Sigma	3.862 ± 0.061



600

800

1000

1200

1400

LE time (ns)

Run# 19103014

tray_le_85

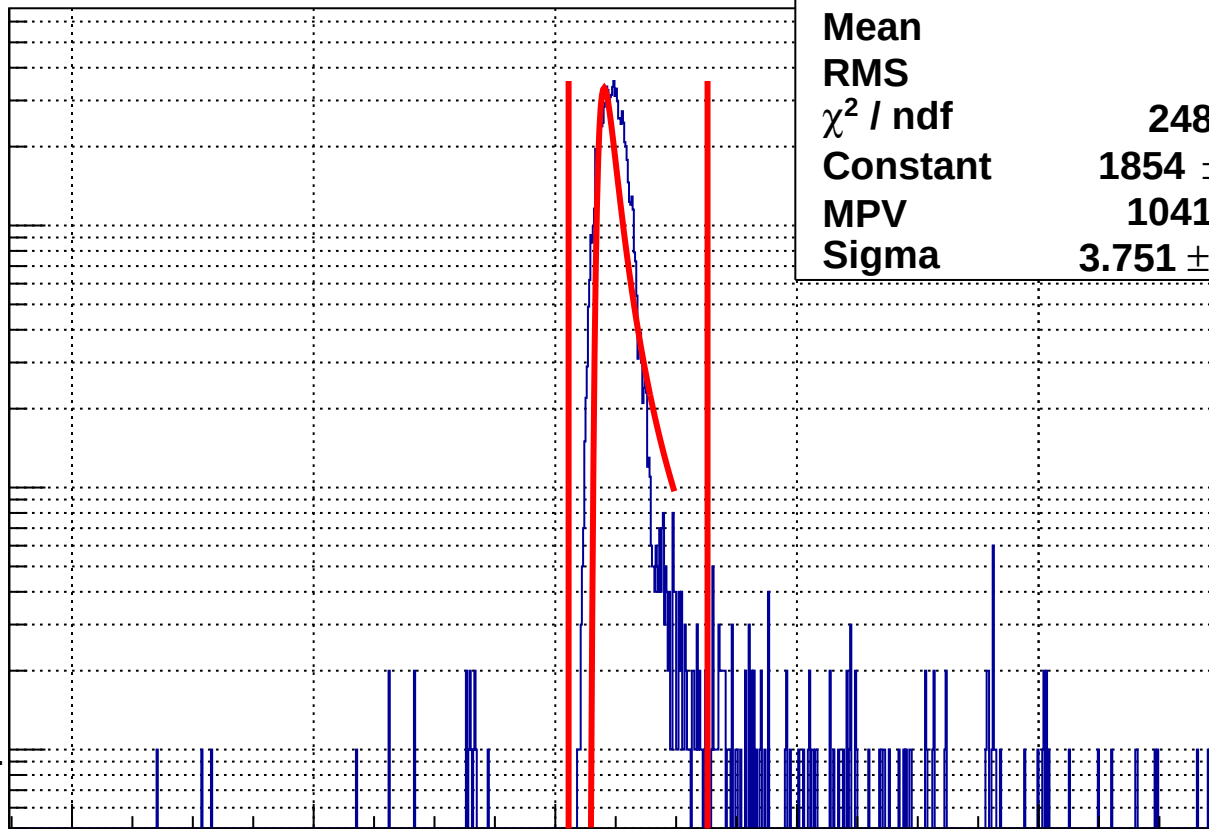
count

10^2

10

1

Entries	9283
Mean	1051
RMS	31.59
χ^2 / ndf	2484 / 78
Constant	1854 ± 36.2
MPV	1041 ± 0.2
Sigma	3.751 ± 0.061



LE time (ns)

Run# 19103014

tray_le_86

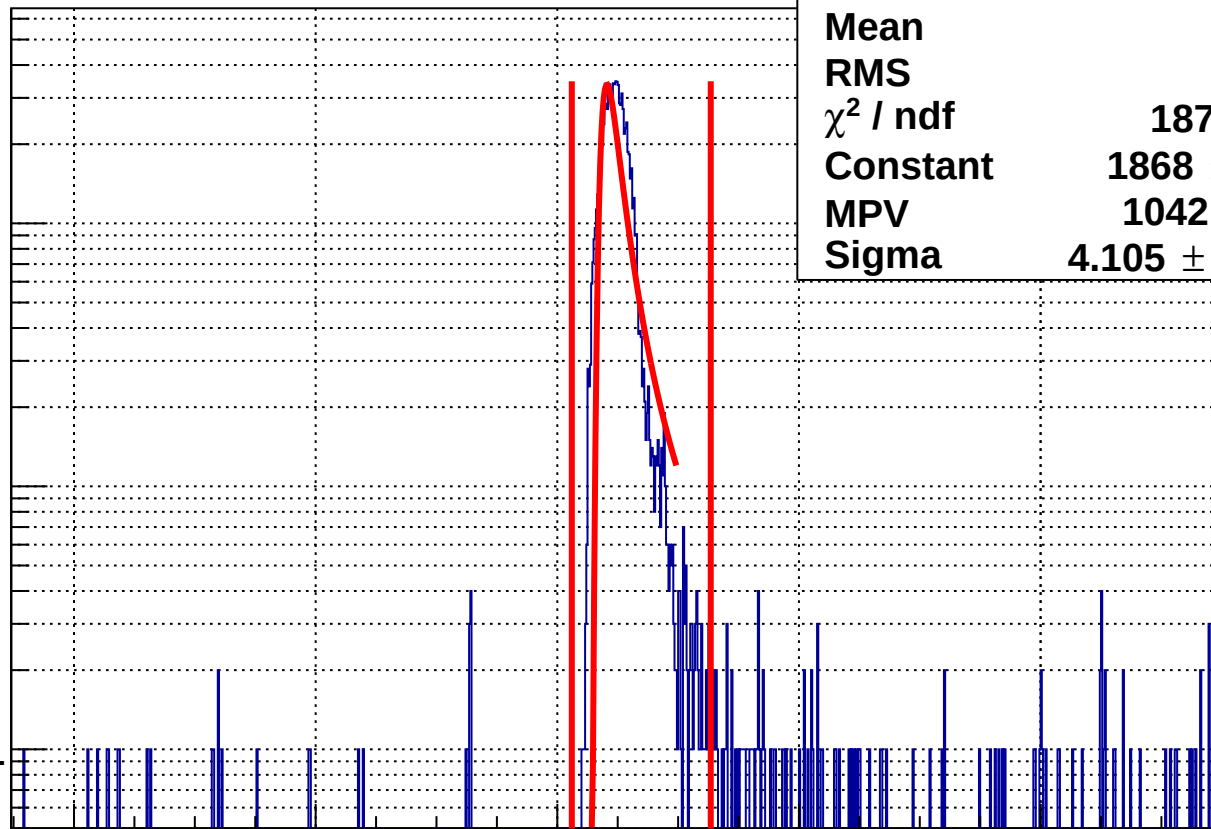
count

10^2

10

1

Entries	9263
Mean	1052
RMS	37.91
χ^2 / nfd	1877 / 76
Constant	1868 ± 34.1
MPV	1042 ± 0.2
Sigma	4.105 ± 0.062



600

800

1000

1200

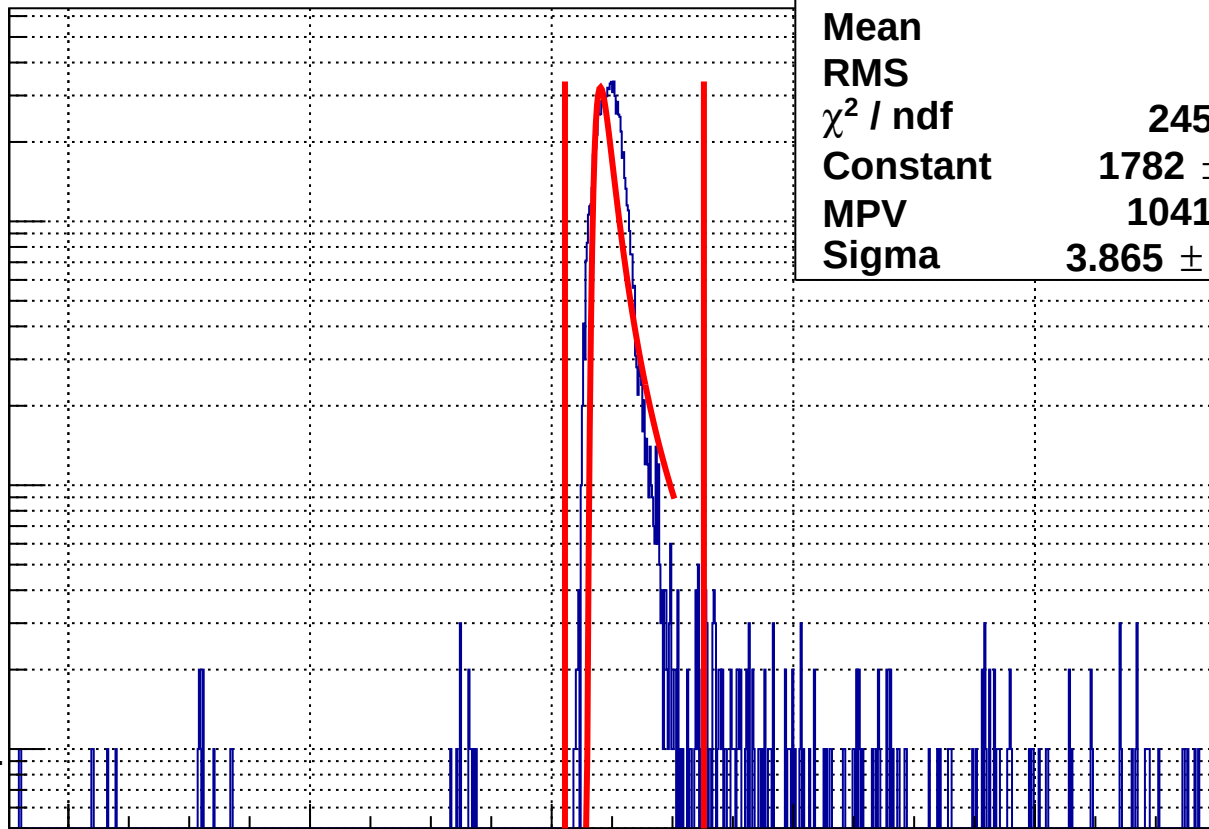
1400

LE time (ns)

Run# 19103014**tray_le_87****count** 10^2

10

1

**Entries****9215****Mean****1052****RMS****38.96** χ^2 / nfd **2452 / 80****Constant** **1782 ± 32.9** **MPV** **1041 ± 0.2** **Sigma** **3.865 ± 0.057**

LE time (ns)

Run# 19103014

tray_le_88

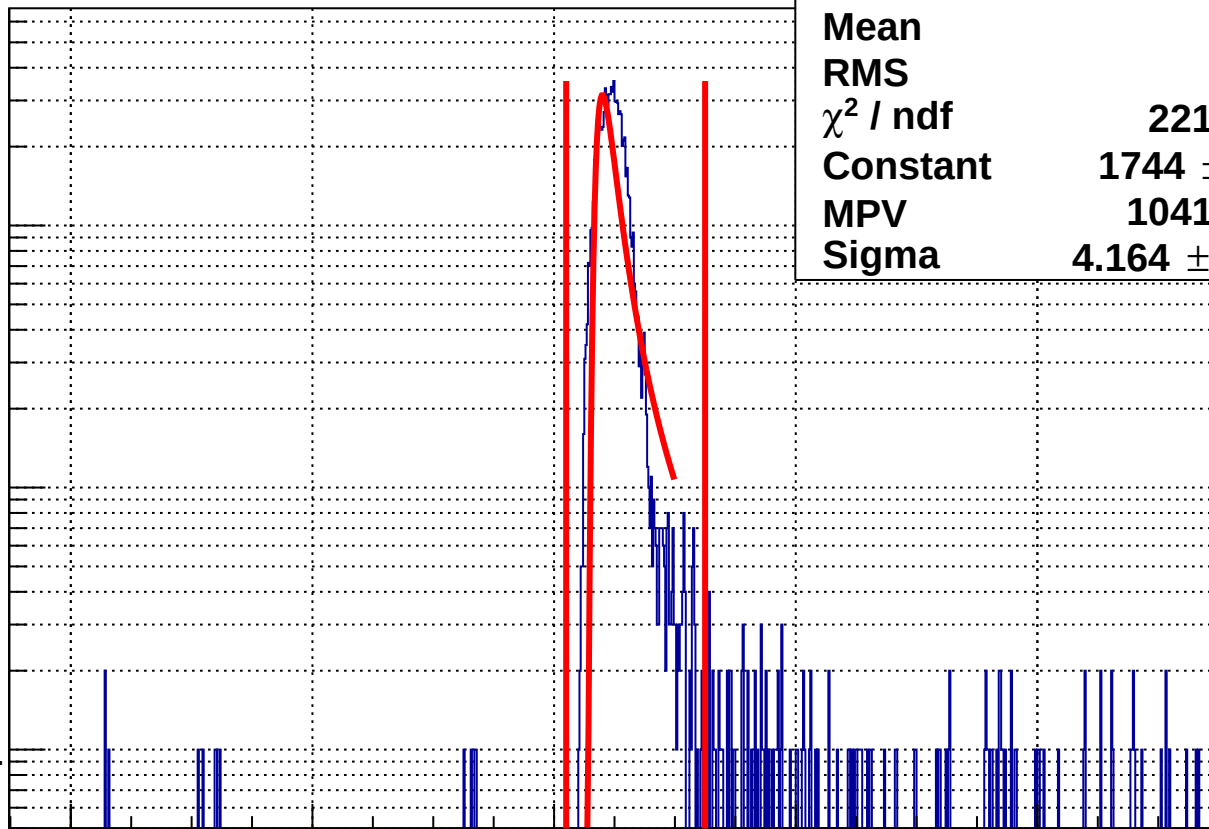
count

10^2

10

1

Entries	9206
Mean	1052
RMS	35.54
χ^2 / ndf	2210 / 77
Constant	1744 ± 31.5
MPV	1041 ± 0.2
Sigma	4.164 ± 0.061



600

800

1000

1200

1400

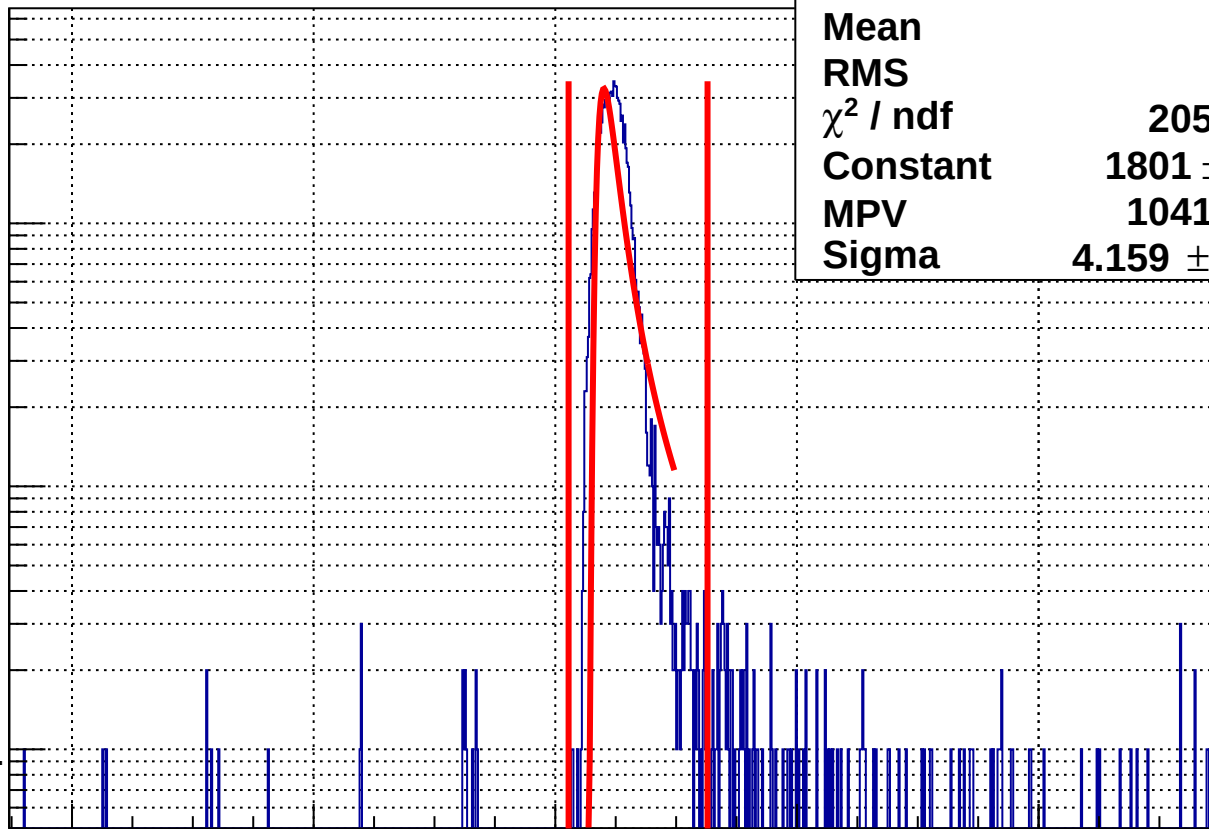
LE time (ns)

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Run# 19103014**tray_le_89****count** 10^2

10

1



Entries	9219
Mean	1051
RMS	31.96
χ^2 / ndf	2052 / 78
Constant	1801 ± 32.6
MPV	1041 ± 0.2
Sigma	4.159 ± 0.061

LE time (ns)

Run# 19103014

tray_le_90

count

10^2

10

1

600

800

1000

1200

1400

LE time (ns)

Entries

9496

Mean

1045

RMS

35.87

χ^2 / ndf

2302 / 75

Constant

1747 ± 33.4

MPV

1034 ± 0.2

Sigma

4.262 ± 0.069

Run# 19103014

tray_le_91

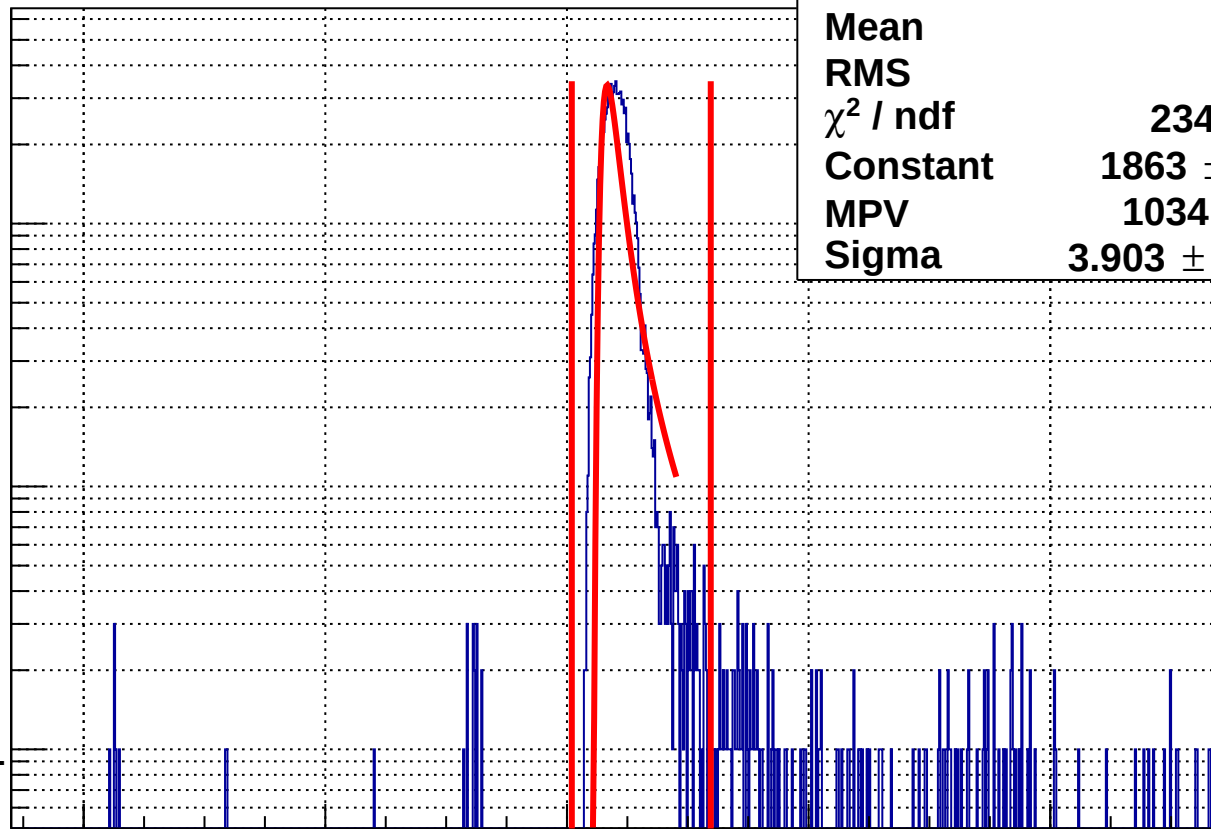
count

10^2

10

1

Entries	9393
Mean	1045
RMS	36.63
χ^2 / nfd	2341 / 74
Constant	1863 ± 35.6
MPV	1034 ± 0.2
Sigma	3.903 ± 0.060



600

800

1000

1200

1400

LE time (ns)

Run# 19103014

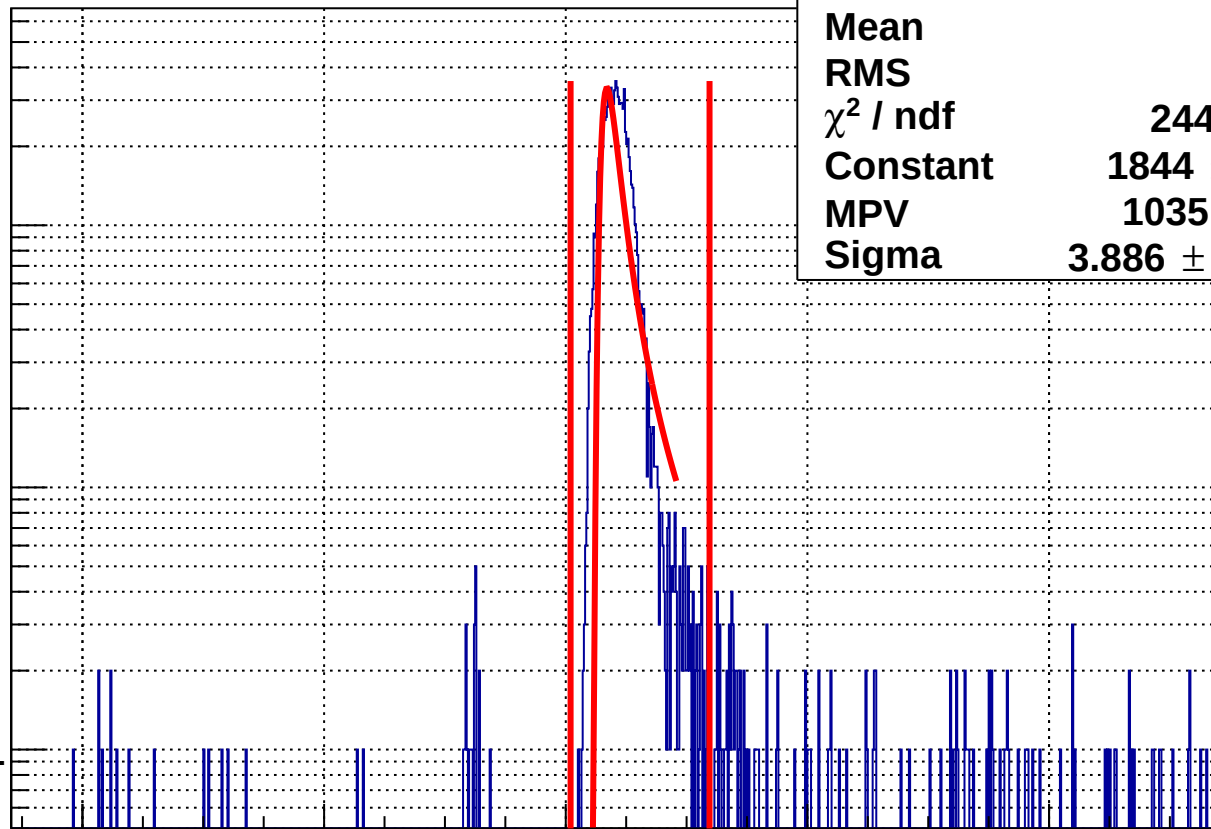
tray_le_92

count

10^2

10

1



Entries

9431

Mean

1045

RMS

37.25

χ^2 / ndf

2443 / 77

Constant

1844 ± 37.1

MPV

1035 ± 0.2

Sigma

3.886 ± 0.067

LE time (ns)

Run# 19103014

tray_le_93

count

10^2

10

1

Entries

6909

Mean

1047

RMS

39.5

χ^2 / ndf

1633 / 72

Constant

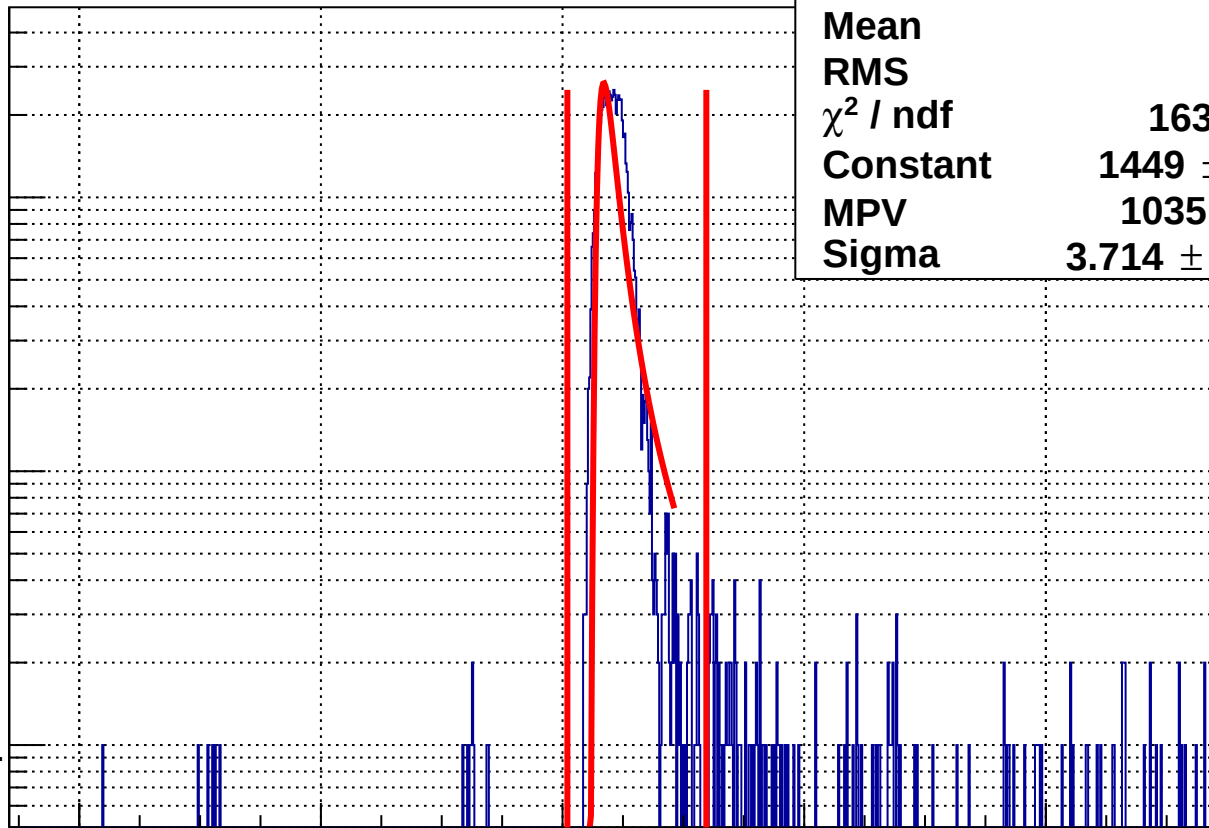
1449 ± 30.2

MPV

1035 ± 0.2

Sigma

3.714 ± 0.062



LE time (ns)

Run# 19103014

tray_le_94

count

10^2

10

1

Entries	9505
Mean	1044
RMS	31.59
χ^2 / ndf	2550 / 78
Constant	1901 ± 35.7
MPV	1035 ± 0.2
Sigma	3.756 ± 0.058

600

800

1000

1200

1400

LE time (ns)

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Run# 19103014

tray_le_95

count

10^2

10

1

600

800

1000

1200

1400

LE time (ns)

Entries

9452

Mean

1045

RMS

33.3

χ^2 / nfd

2016 / 71

Constant

1859 ± 35.3

MPV

1035 ± 0.2

Sigma

4.198 ± 0.069

Run# 19103014

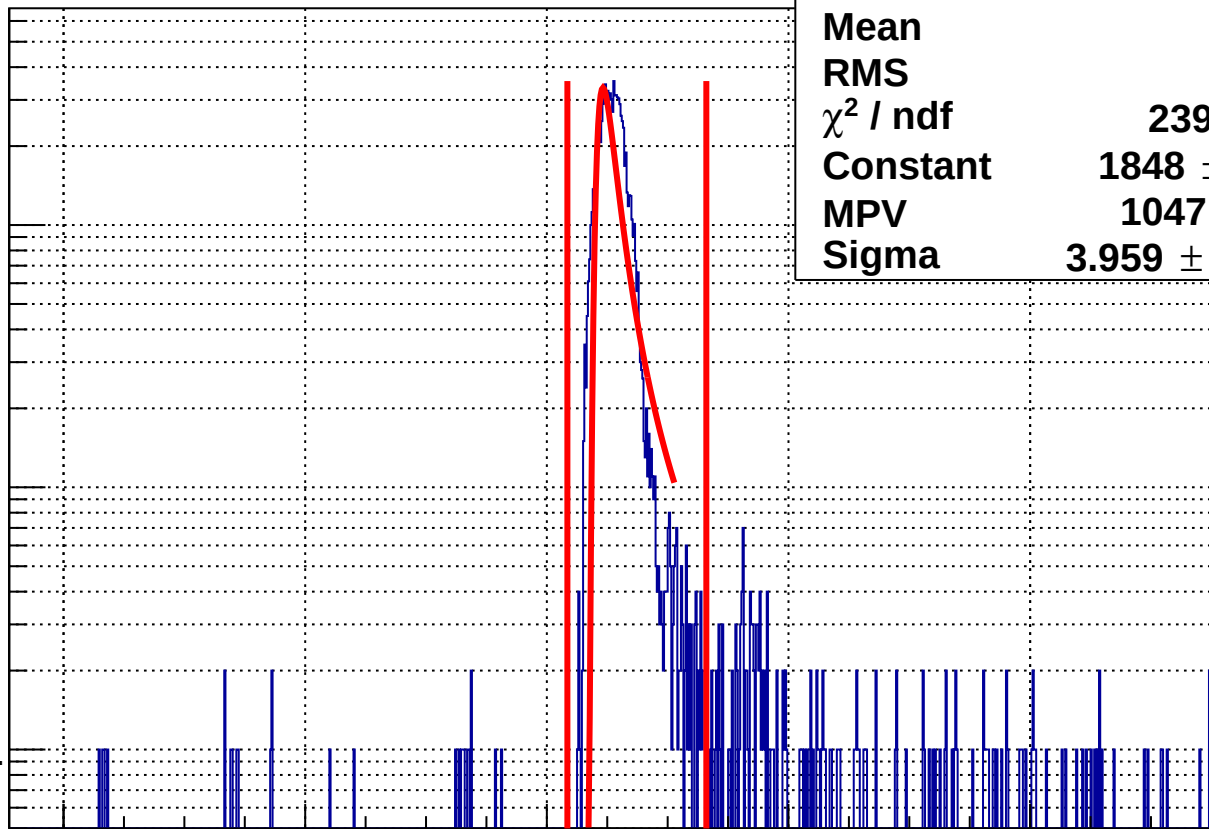
tray_le_96

count

10^2

10

1



LE time (ns)

Run# 19103014

tray_le_97

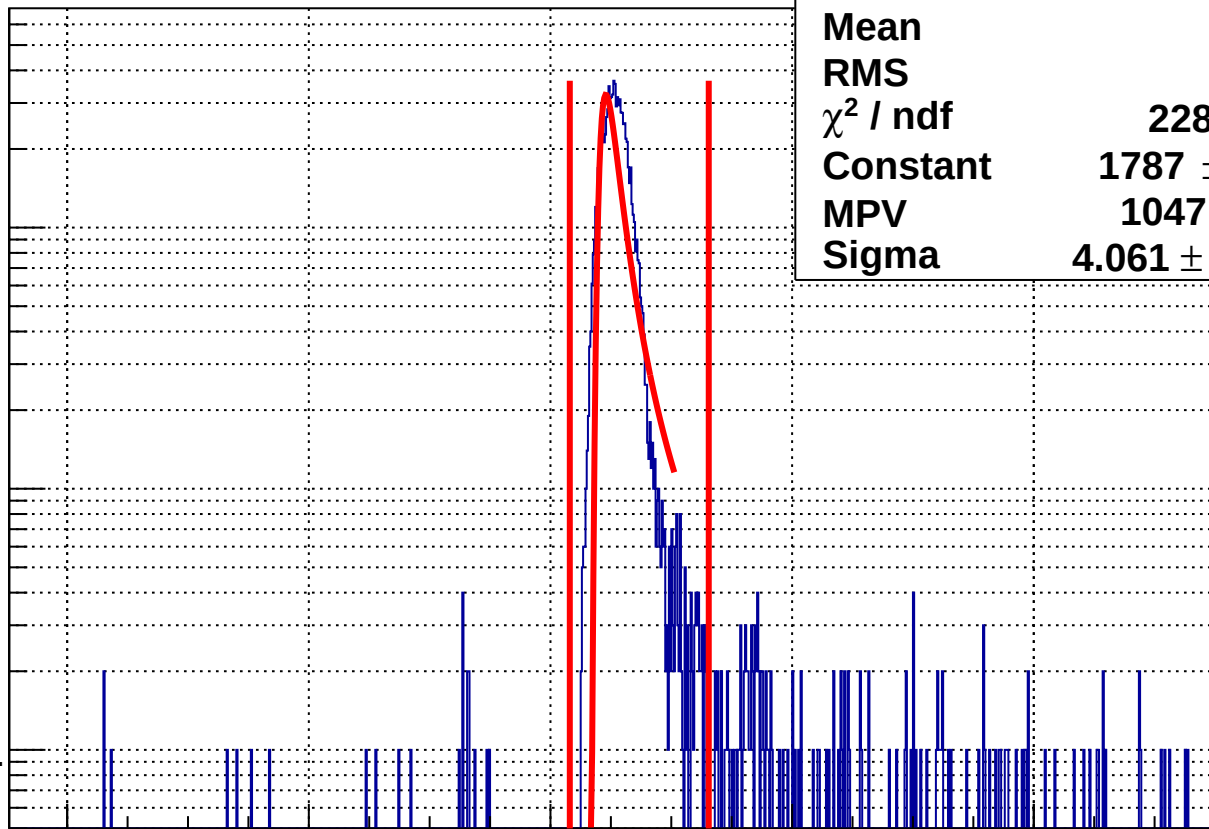
count

10^2

10

1

Entries	9344
Mean	1058
RMS	34.62
$\chi^2 / \text{n df}$	2282 / 75
Constant	1787 ± 32.0
MPV	1047 ± 0.2
Sigma	4.061 ± 0.059



600

800

1000

1200

1400

LE time (ns)

Run# 19103014

tray_le_98

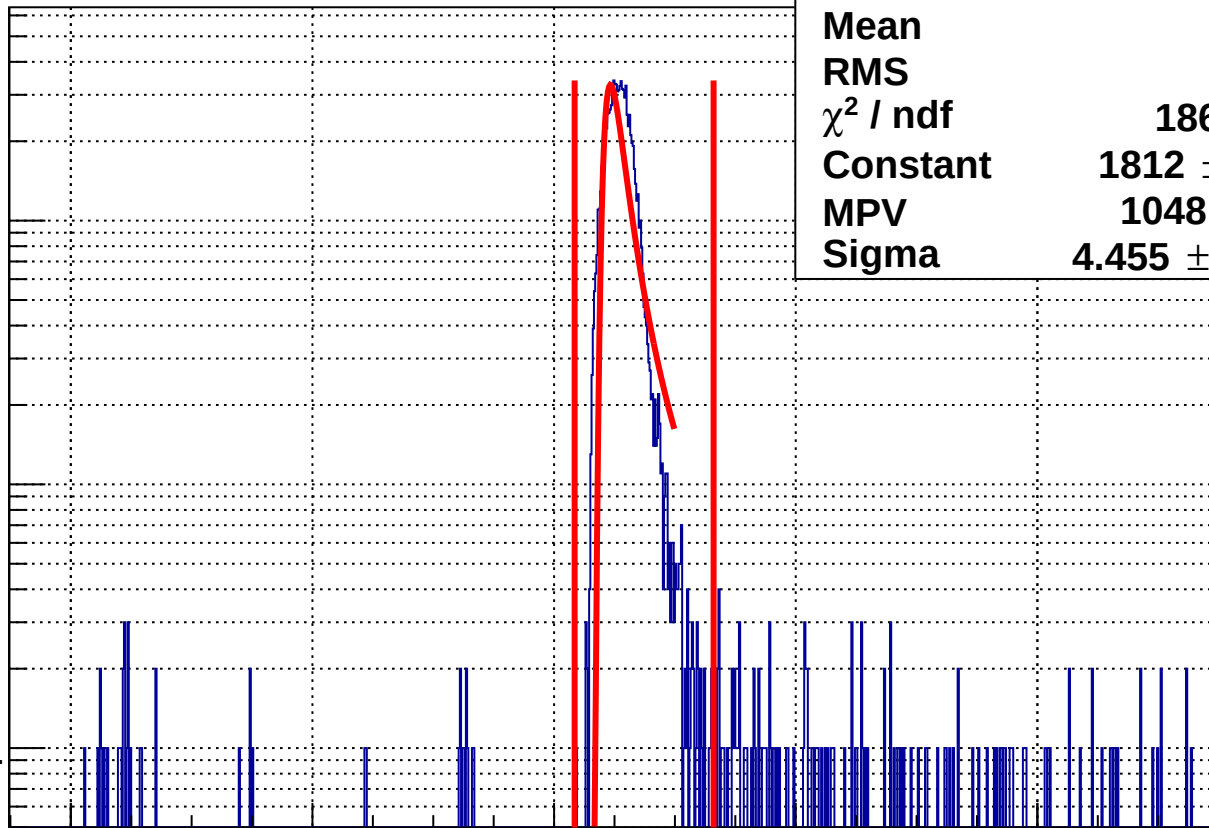
count

10^2

10

1

Entries	9525
Mean	1057
RMS	39.33
χ^2 / nfd	1862 / 71
Constant	1812 ± 33.4
MPV	1048 ± 0.2
Sigma	4.455 ± 0.071



600

800

1000

1200

1400

LE time (ns)

Run# 19103014

tray_le_99

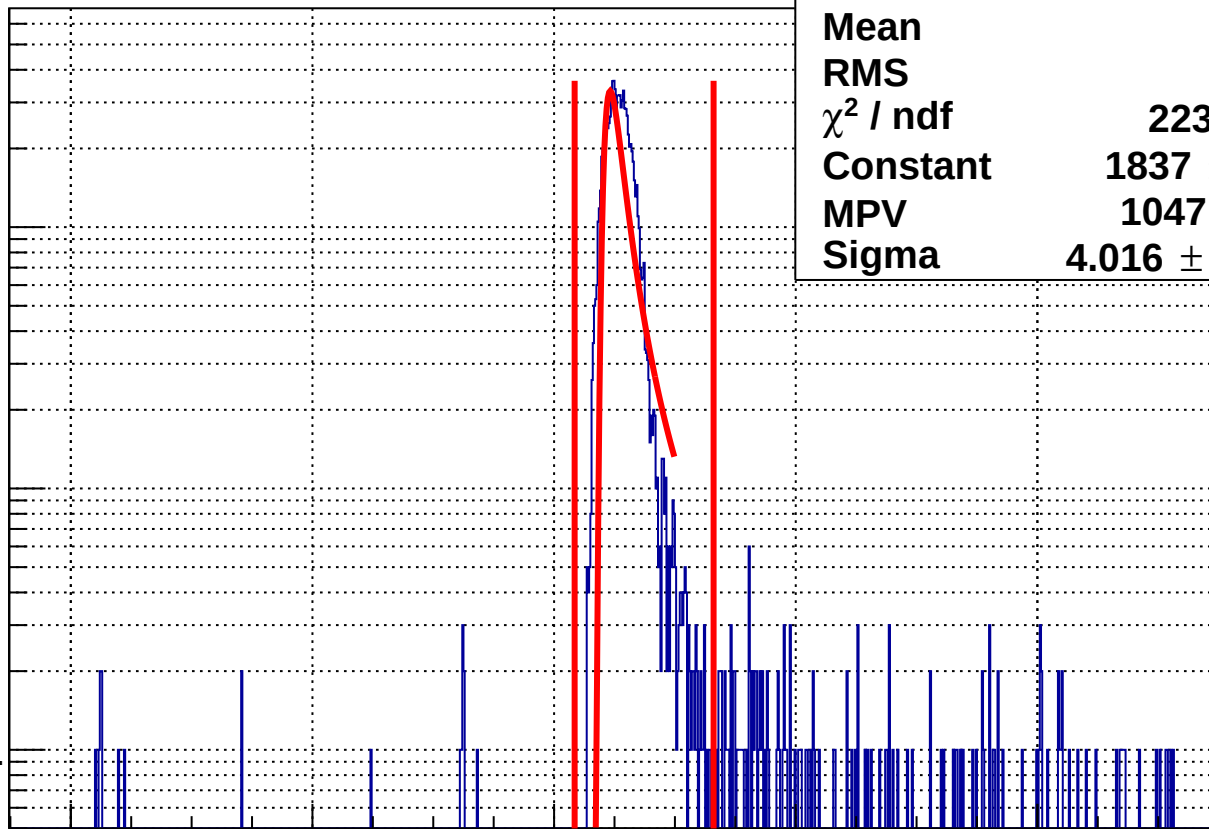
count

10^2

10

1

Entries	9295
Mean	1058
RMS	35.9
χ^2 / ndf	2231 / 70
Constant	1837 ± 38.1
MPV	1047 ± 0.2
Sigma	4.016 ± 0.074

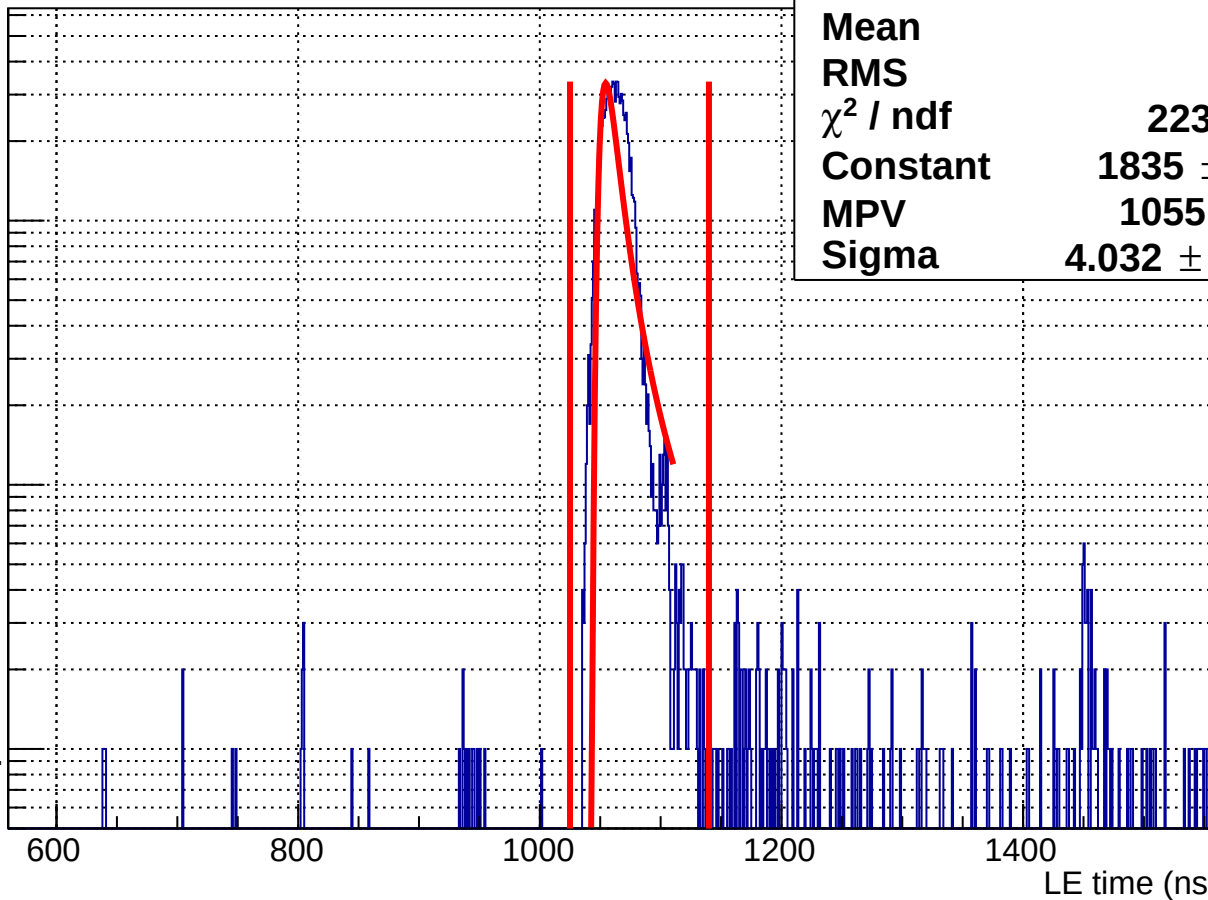


LE time (ns)

Run# 19103014**tray_le_100****count** 10^2

10

1



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Run# 19103014

tray_le_101

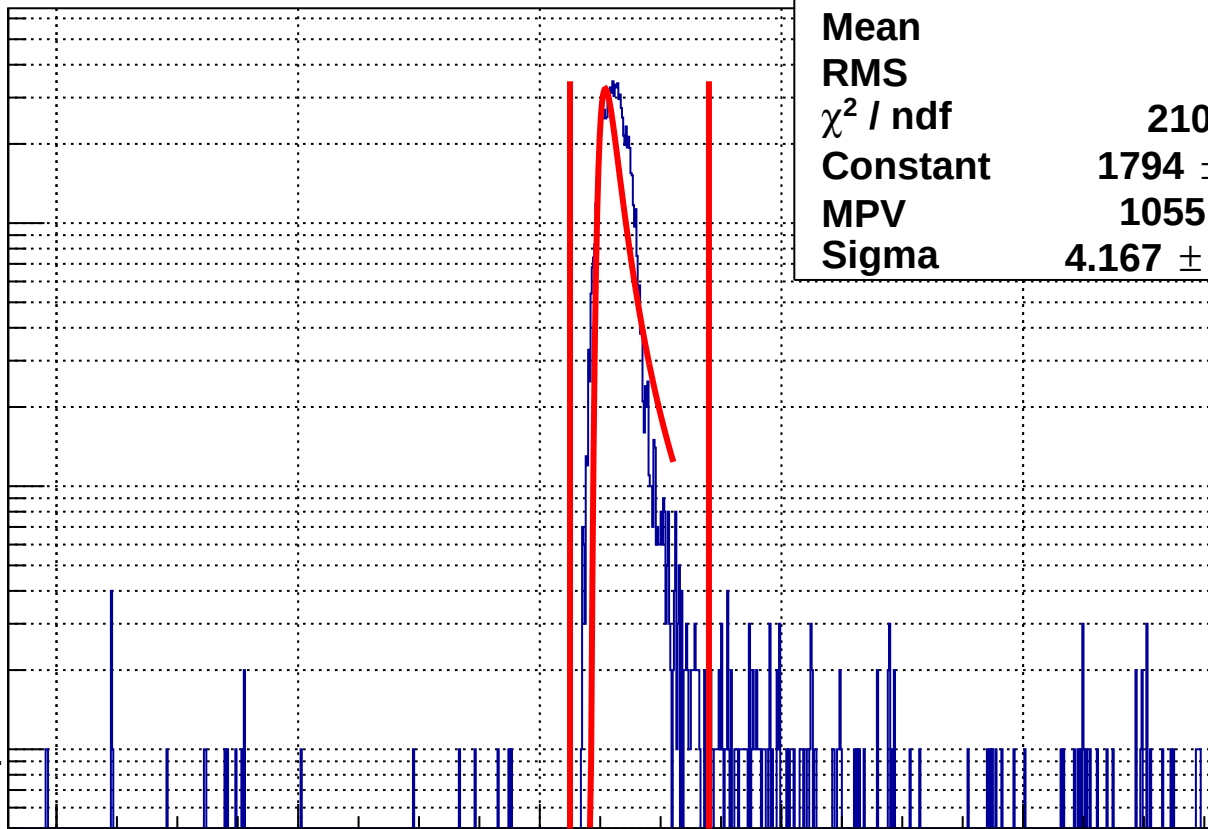
count

10^2

10

1

Entries	9274
Mean	1066
RMS	36.12
χ^2 / ndf	2106 / 73
Constant	1794 ± 31.0
MPV	1055 ± 0.2
Sigma	4.167 ± 0.057



600

800

1000

1200

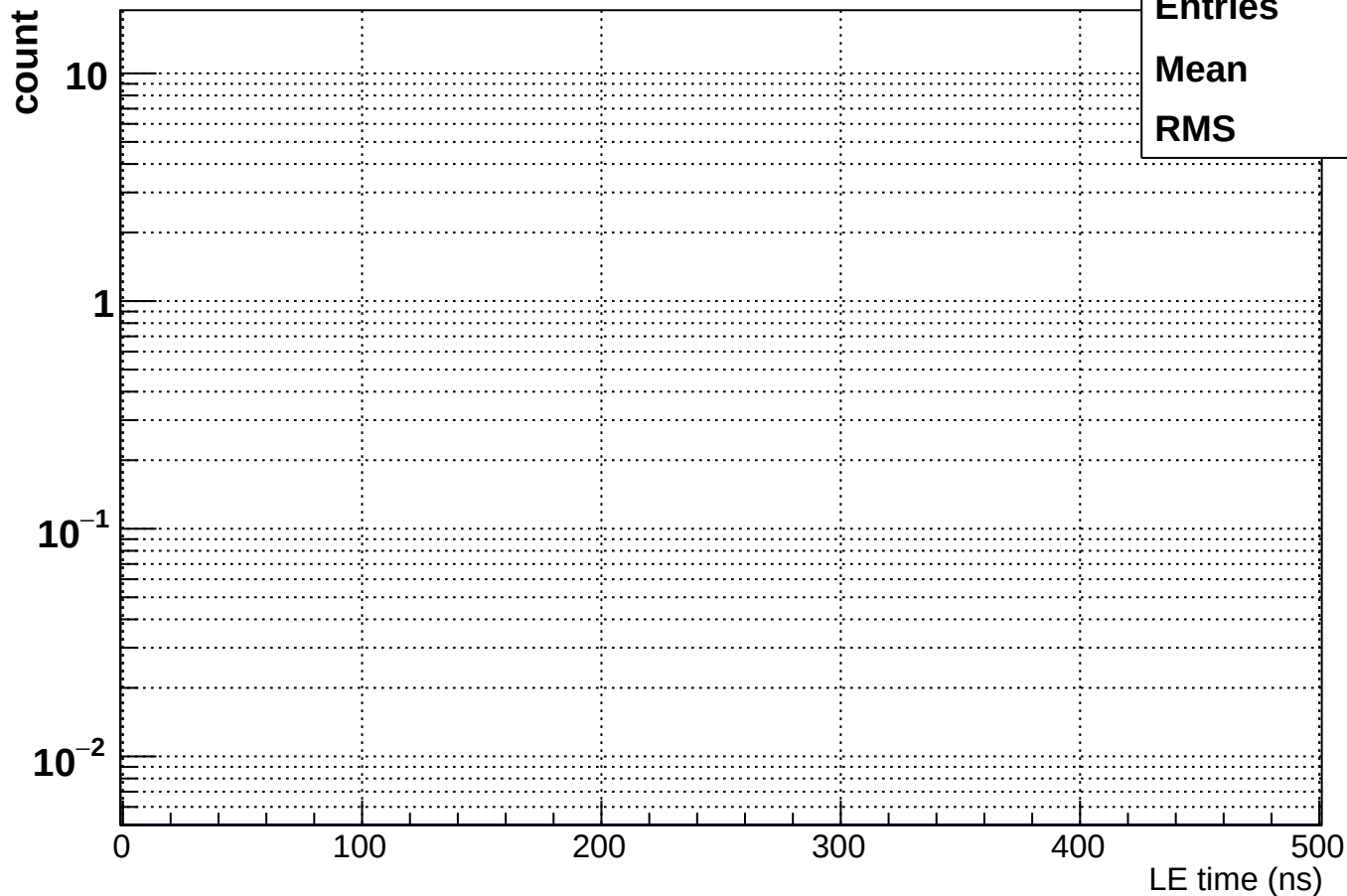
1400

LE time (ns)

Run# 19103014

tray_le_102

Entries	0
Mean	0
RMS	0



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Run# 19103014

tray_le_103

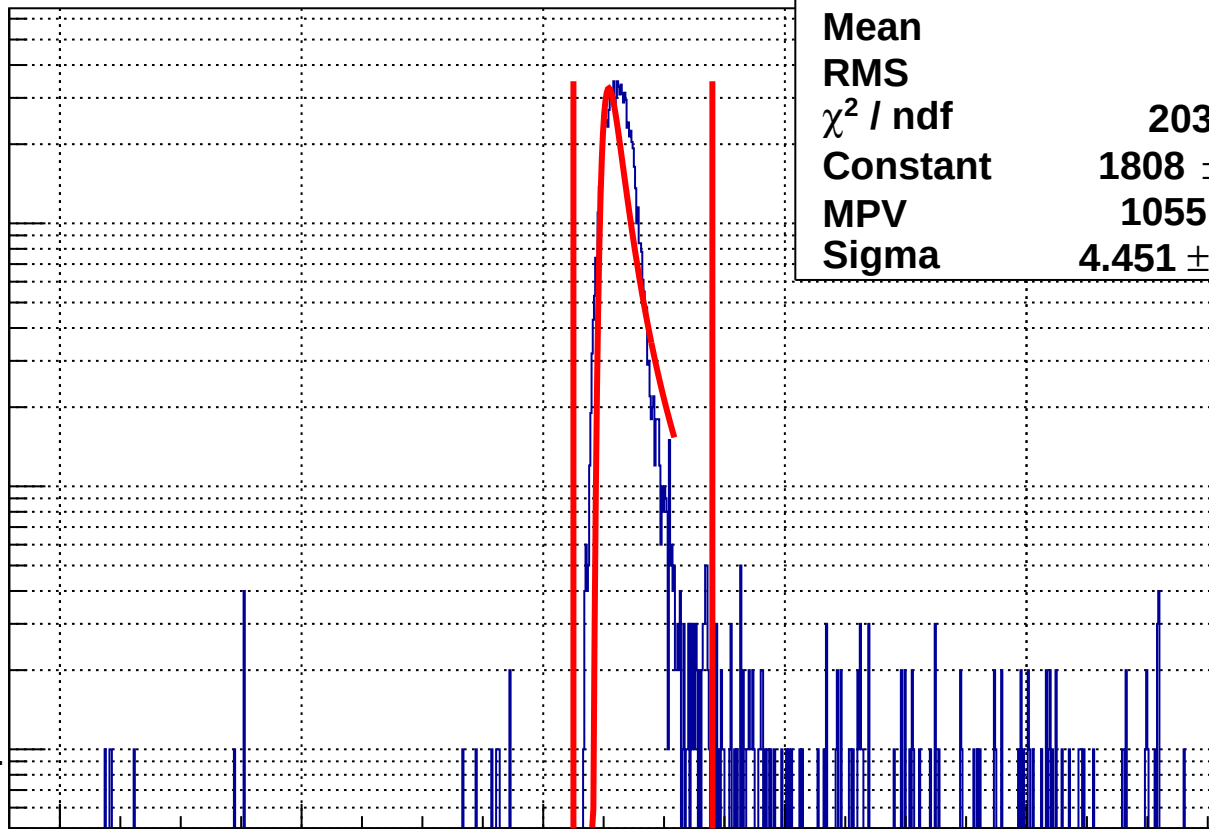
count

10^2

10

1

Entries	9646
Mean	1067
RMS	36.29
χ^2 / ndf	2036 / 73
Constant	1808 ± 30.7
MPV	1055 ± 0.2
Sigma	4.451 ± 0.061



600

800

1000

1200

1400

LE time (ns)

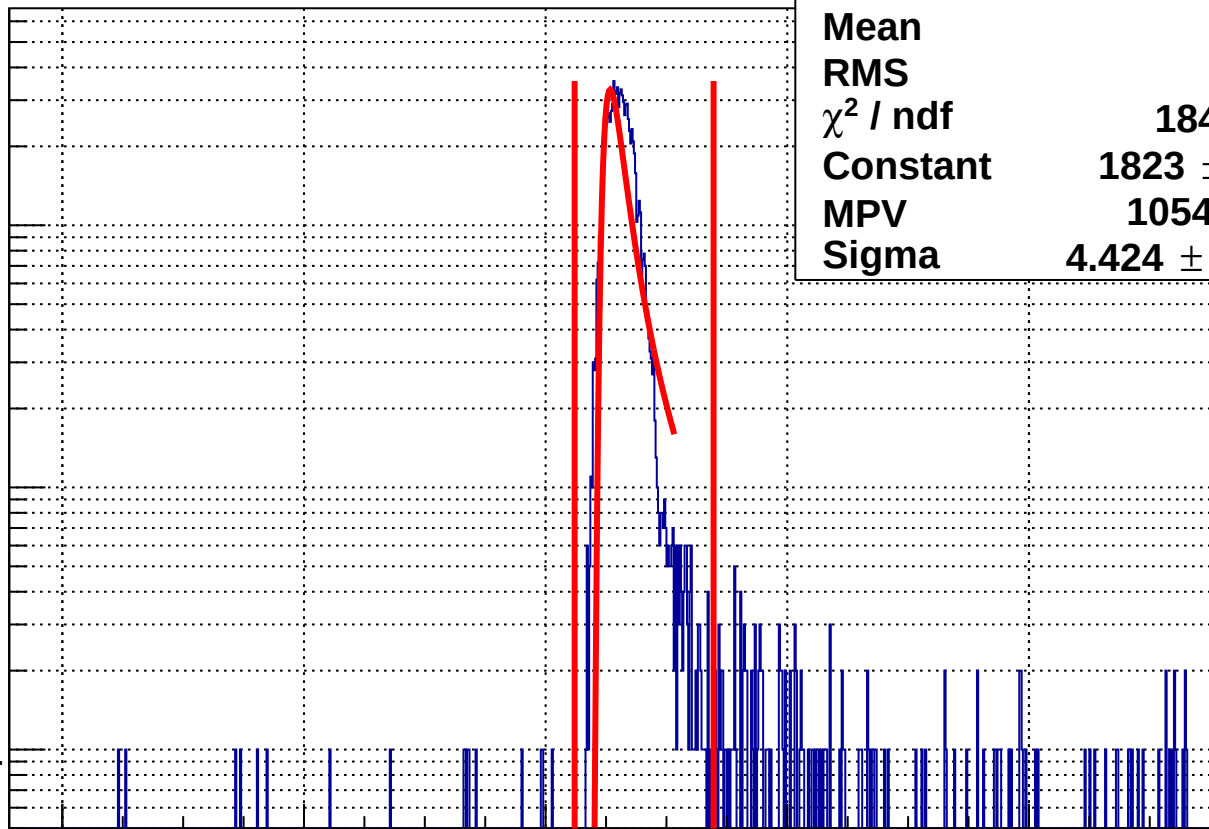
Run# 19103014

count

10^2

10

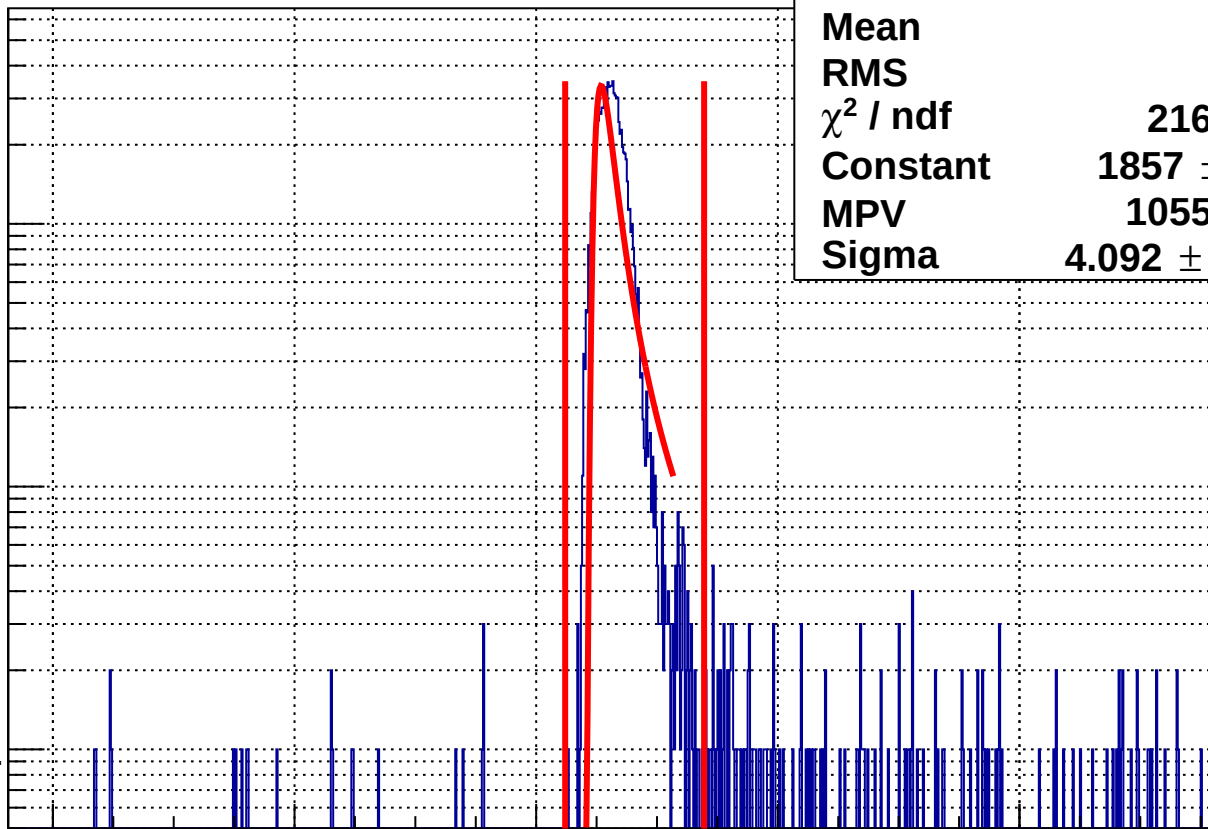
1



tray_le_104

Entries	9519
Mean	1066
RMS	34.6
χ^2 / ndf	1843 / 71
Constant	1823 ± 30.4
MPV	1054 ± 0.1
Sigma	4.424 ± 0.059

LE time (ns)

Run# 19103014**tray_le_105****count****10²****10****1**

Entries	9501
Mean	1066
RMS	37.76
χ^2 / ndf	2168 / 78
Constant	1857 $\pm$ 31.6
MPV	1055 $\pm$ 0.1
Sigma	4.092 $\pm$ 0.055

LE time (ns)

Run# 19103014

tray_le_106

count

10^2

10

1

Entries

9550

Mean

1065

RMS

34.4

χ^2 / ndf

1880 / 78

Constant

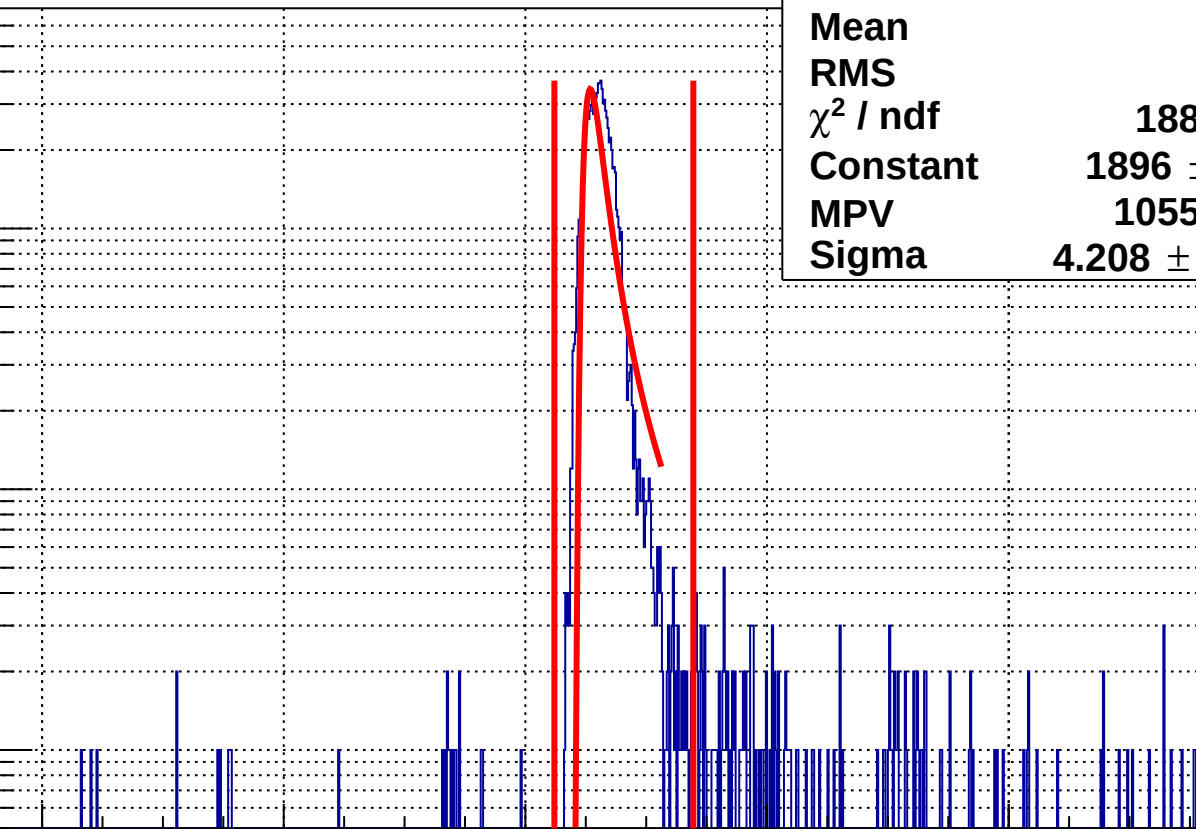
1896 ± 32.5

MPV

1055 ± 0.1

Sigma

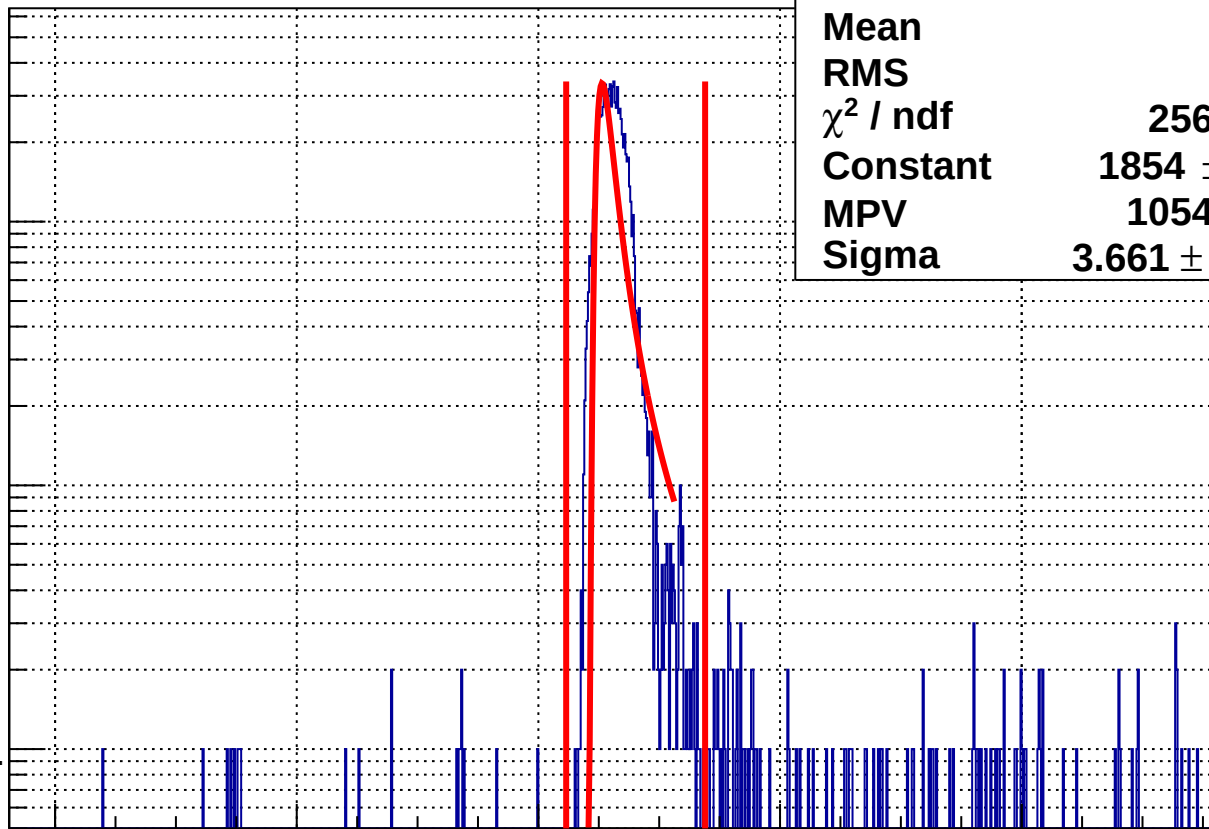
4.208 ± 0.058



Run# 19103014**tray_le_107****count** 10^2

10

1

**Entries****9210****Mean****1065****RMS****34.76** χ^2 / ndf **2565 / 78****Constant** **1854 ± 32.8** **MPV** **1054 ± 0.1** **Sigma** **3.661 ± 0.049**

LE time (ns)

Run# 19103014

tray_le_108

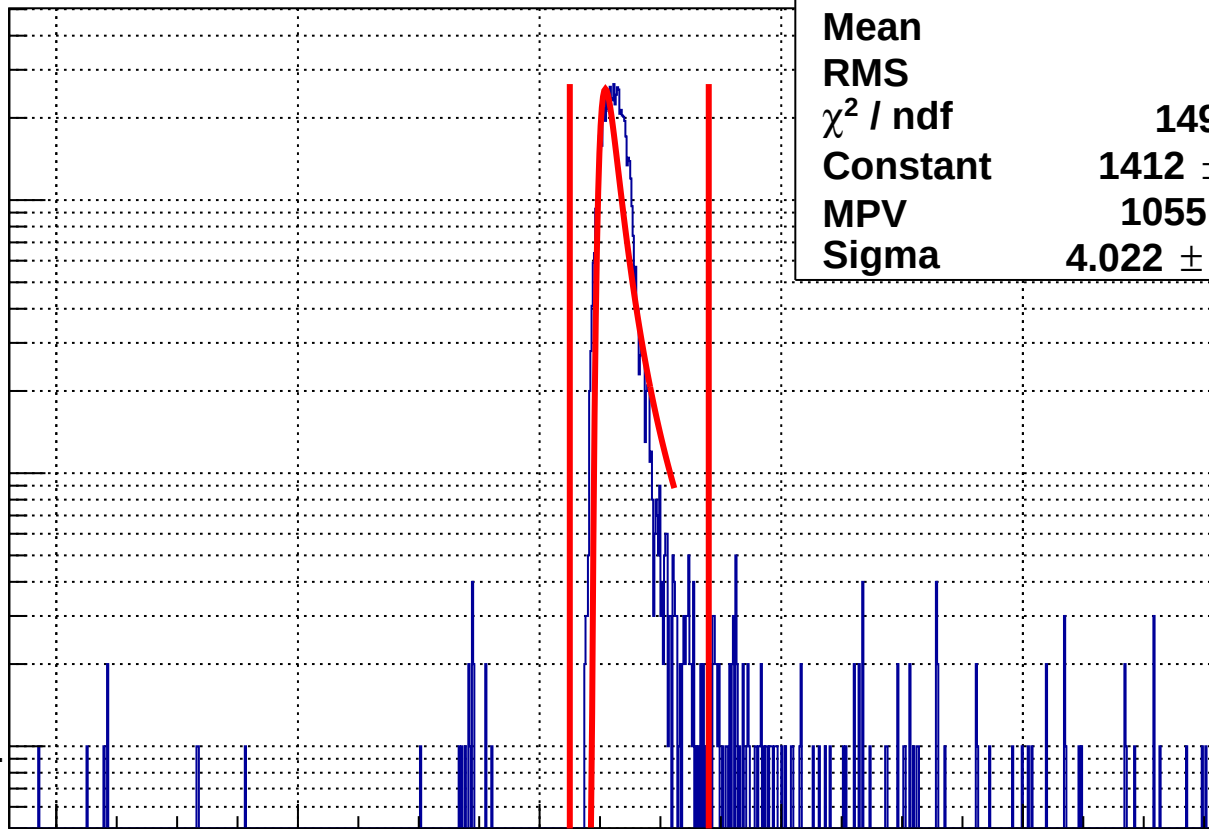
count

10^2

10

1

Entries	7001
Mean	1066
RMS	36.08
χ^2 / nfd	1494 / 71
Constant	1412 ± 28.2
MPV	1055 ± 0.2
Sigma	4.022 ± 0.064



600

800

1000

1200

1400

LE time (ns)

Run# 19103014

tray_le_109

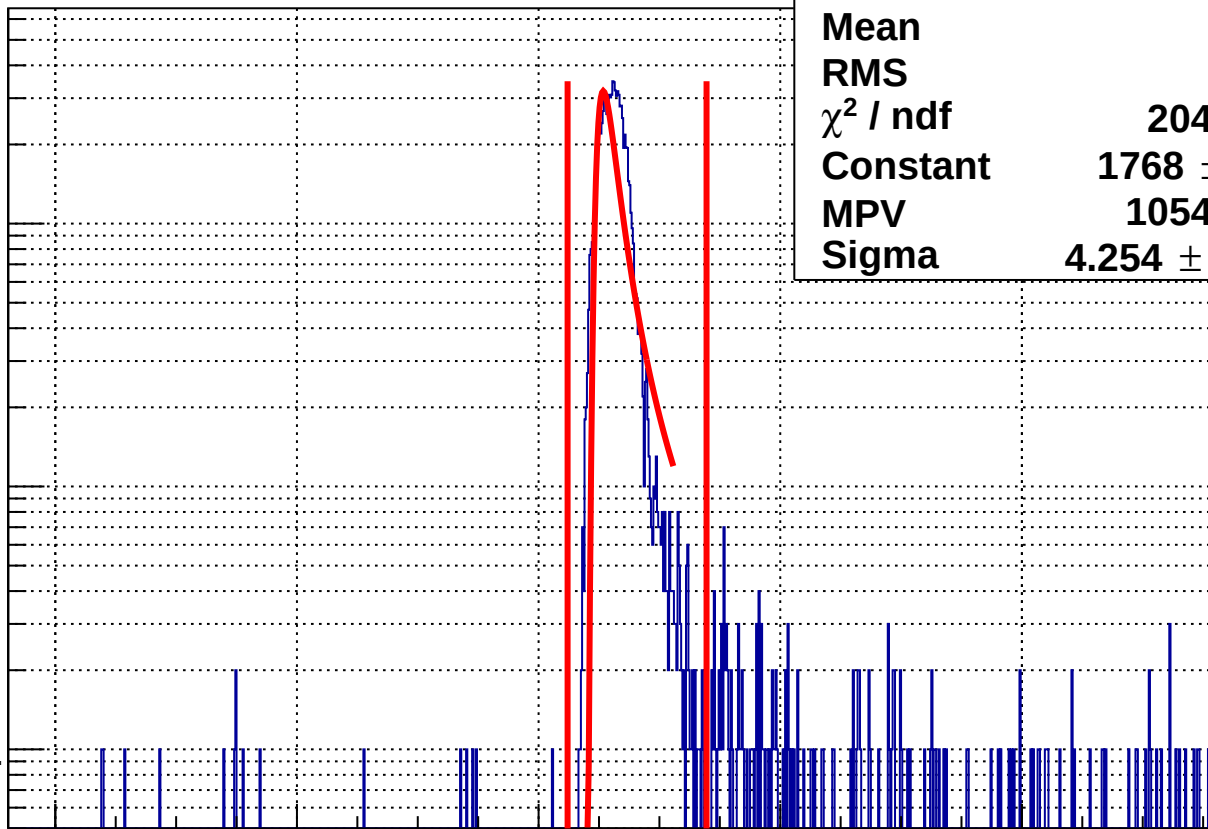
count

10^2

10

1

Entries	9280
Mean	1066
RMS	37.77
χ^2 / ndf	2042 / 76
Constant	1768 ± 30.3
MPV	1054 ± 0.1
Sigma	4.254 ± 0.057



600

800

1000

1200

1400

LE time (ns)

Run# 19103014

tray_le_110

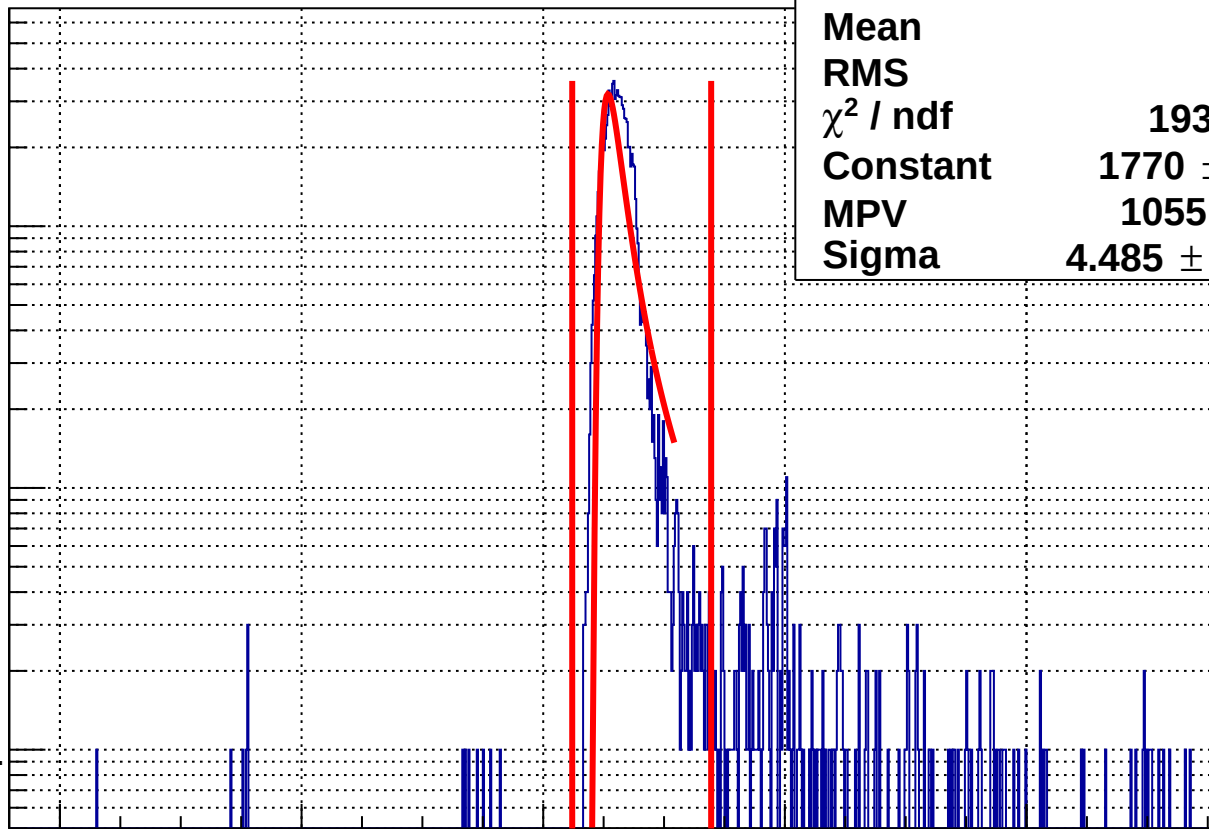
count

10^2

10

1

Entries	9607
Mean	1068
RMS	38.05
χ^2 / ndf	1930 / 73
Constant	1770 ± 32.6
MPV	1055 ± 0.2
Sigma	4.485 ± 0.070



600

800

1000

1200

1400

LE time (ns)

Run# 19103014

tray_le_111

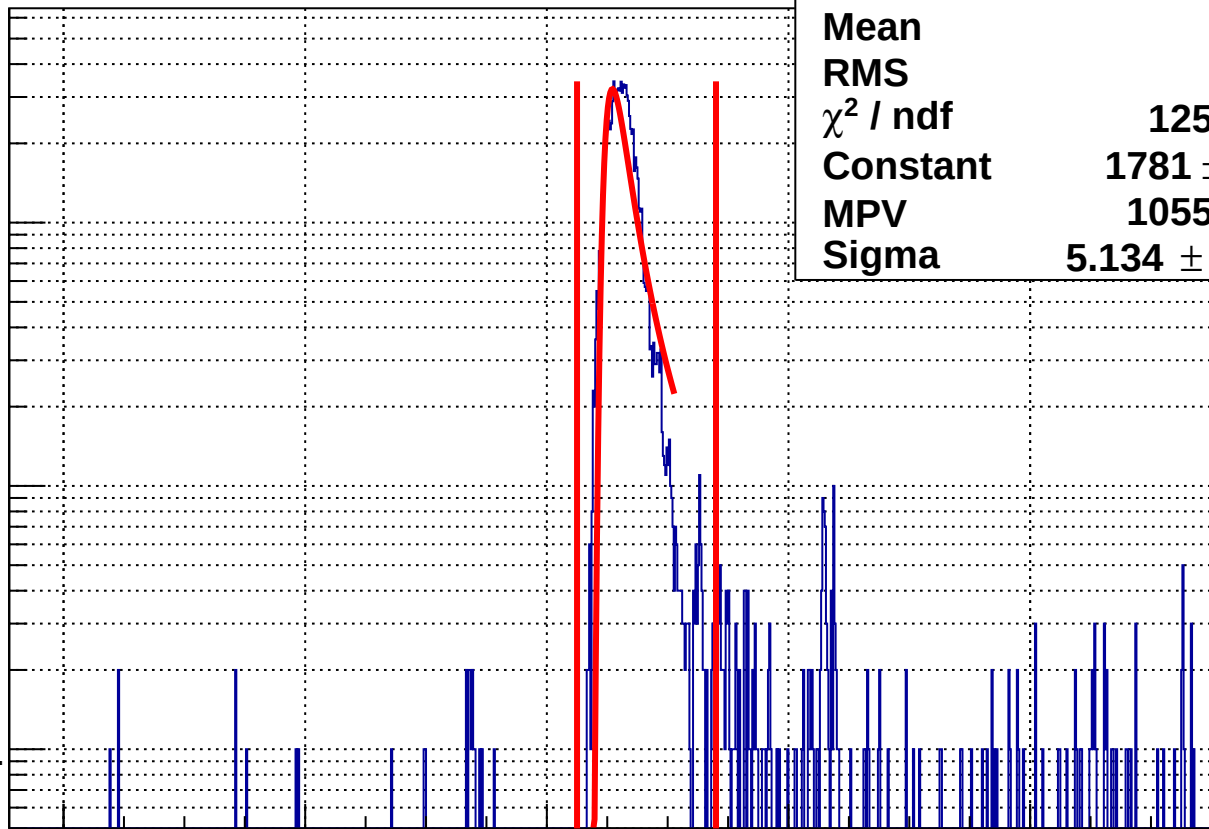
count

10^2

10

1

Entries	9803
Mean	1068
RMS	41.51
χ^2 / ndf	1255 / 70
Constant	1781 ± 28.9
MPV	1055 ± 0.1
Sigma	5.134 ± 0.070



600

800

1000

1200

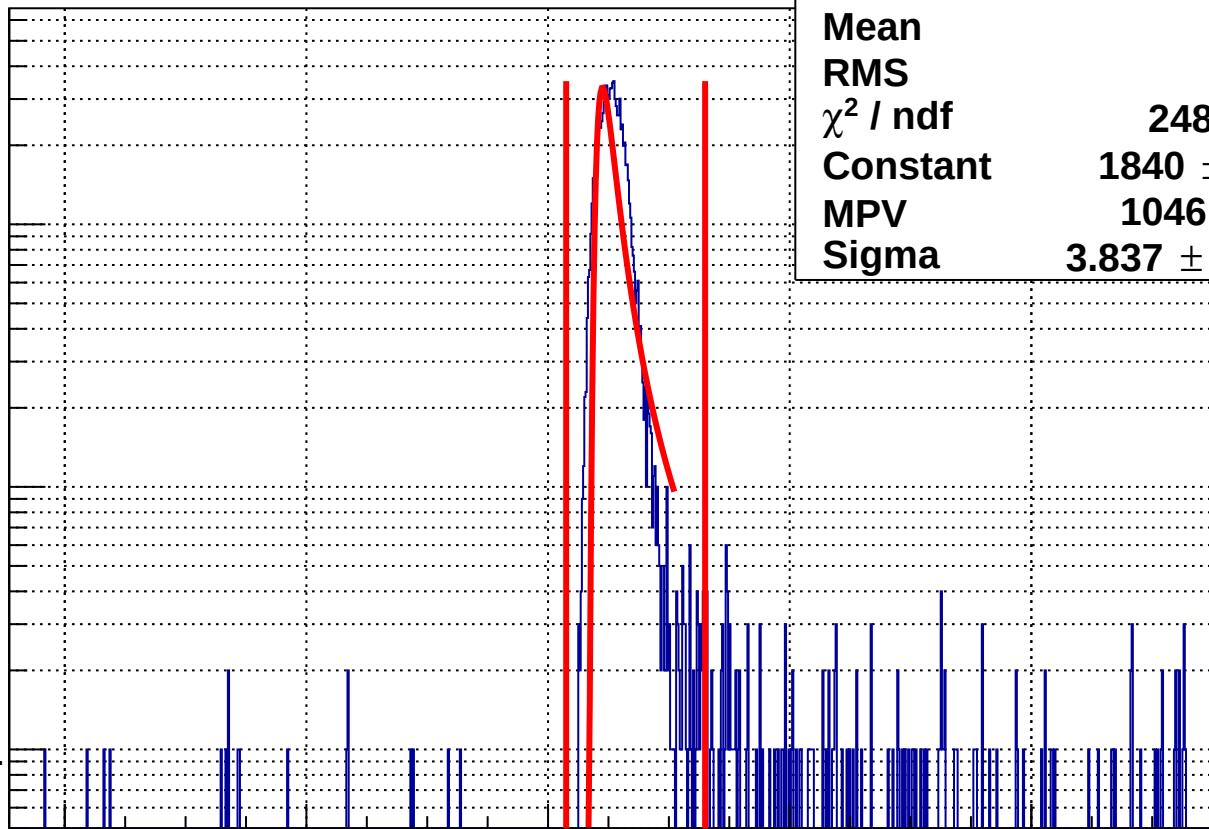
1400

LE time (ns)

Run# 19103014**tray_le_112****count** 10^2

10

1



Entries	9389
Mean	1057
RMS	38.33
χ^2 / ndf	2488 / 77
Constant	1840 ± 33.5
MPV	1046 ± 0.2
Sigma	3.837 ± 0.055

LE time (ns)

Run# 19103014

tray_le_113

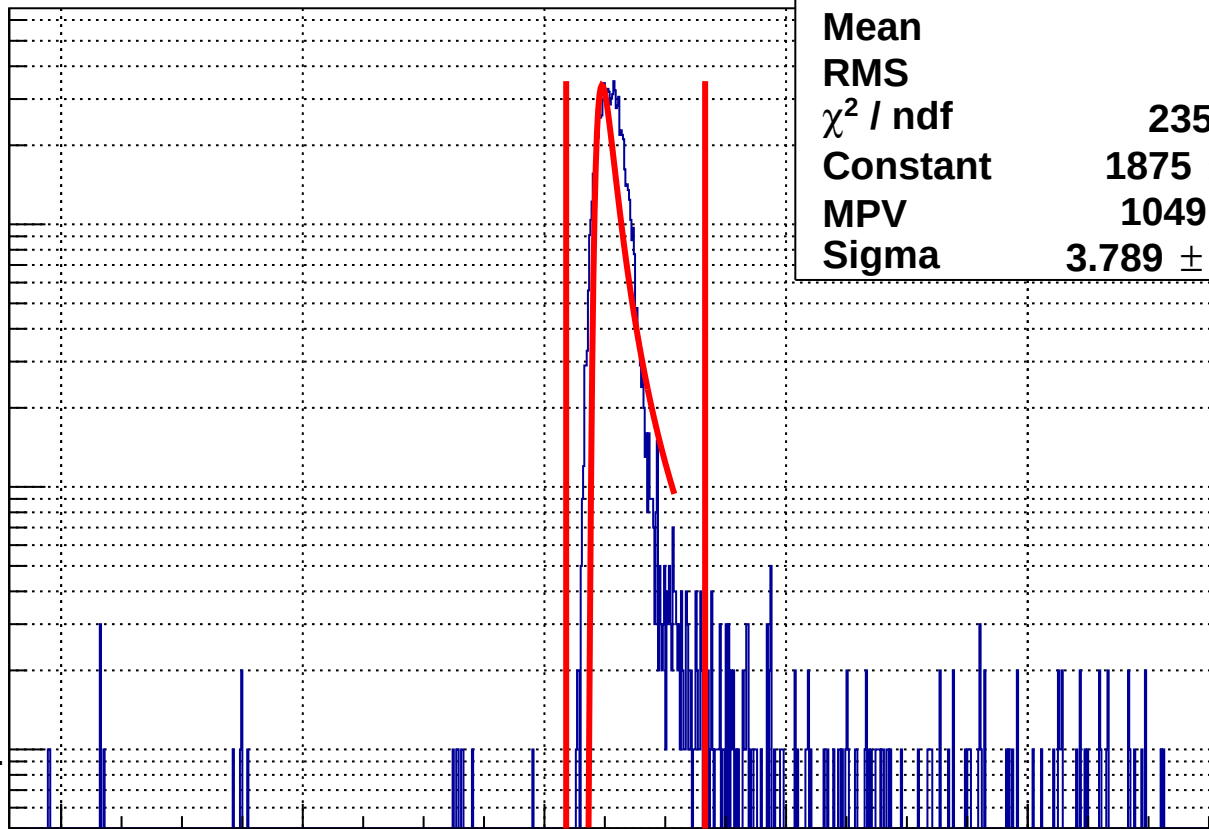
count

10^2

10

1

Entries	9259
Mean	1060
RMS	37.6
χ^2 / ndf	2352 / 78
Constant	1875 ± 35.1
MPV	1049 ± 0.2
Sigma	3.789 ± 0.058



LE time (ns)

Run# 19103014

tray_le_114

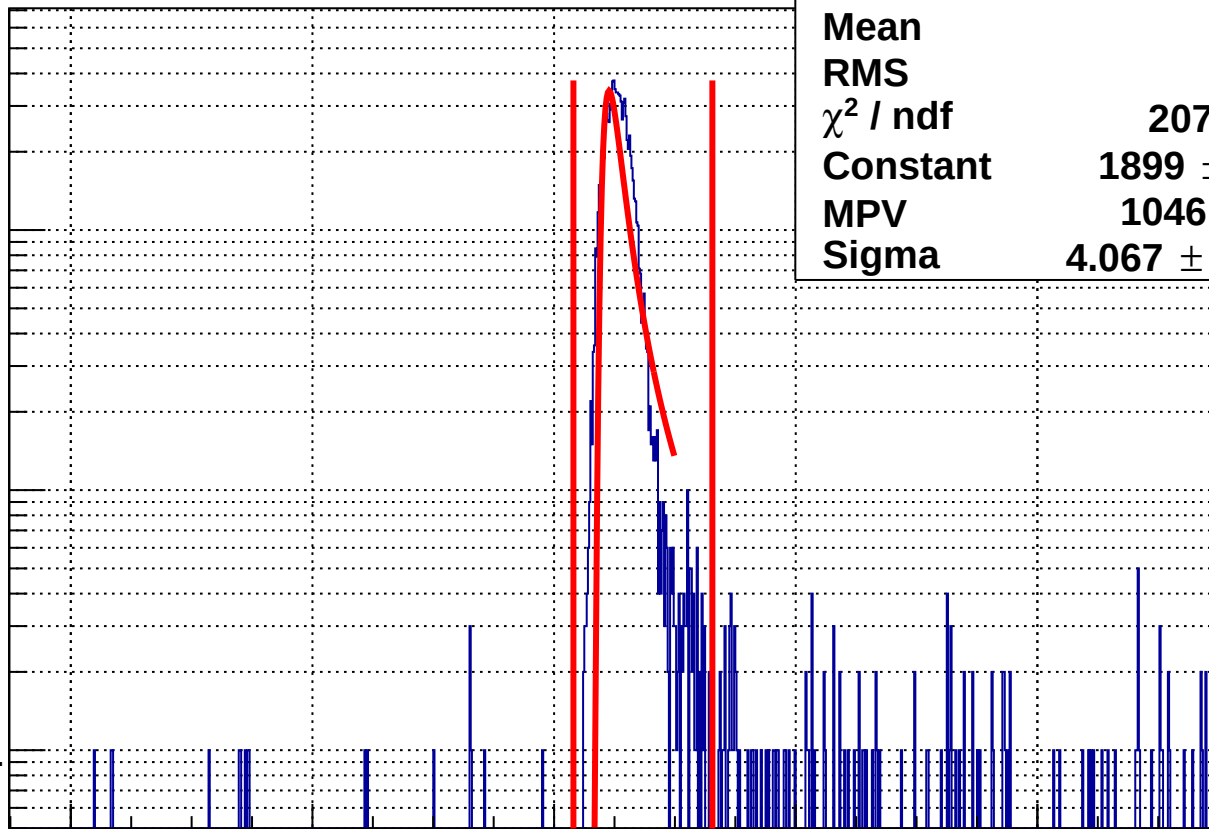
count

10^2

10

1

Entries	9470
Mean	1057
RMS	37.72
χ^2 / ndf	2076 / 72
Constant	1899 ± 35.3
MPV	1046 ± 0.2
Sigma	4.067 ± 0.064



600

800

1000

1200

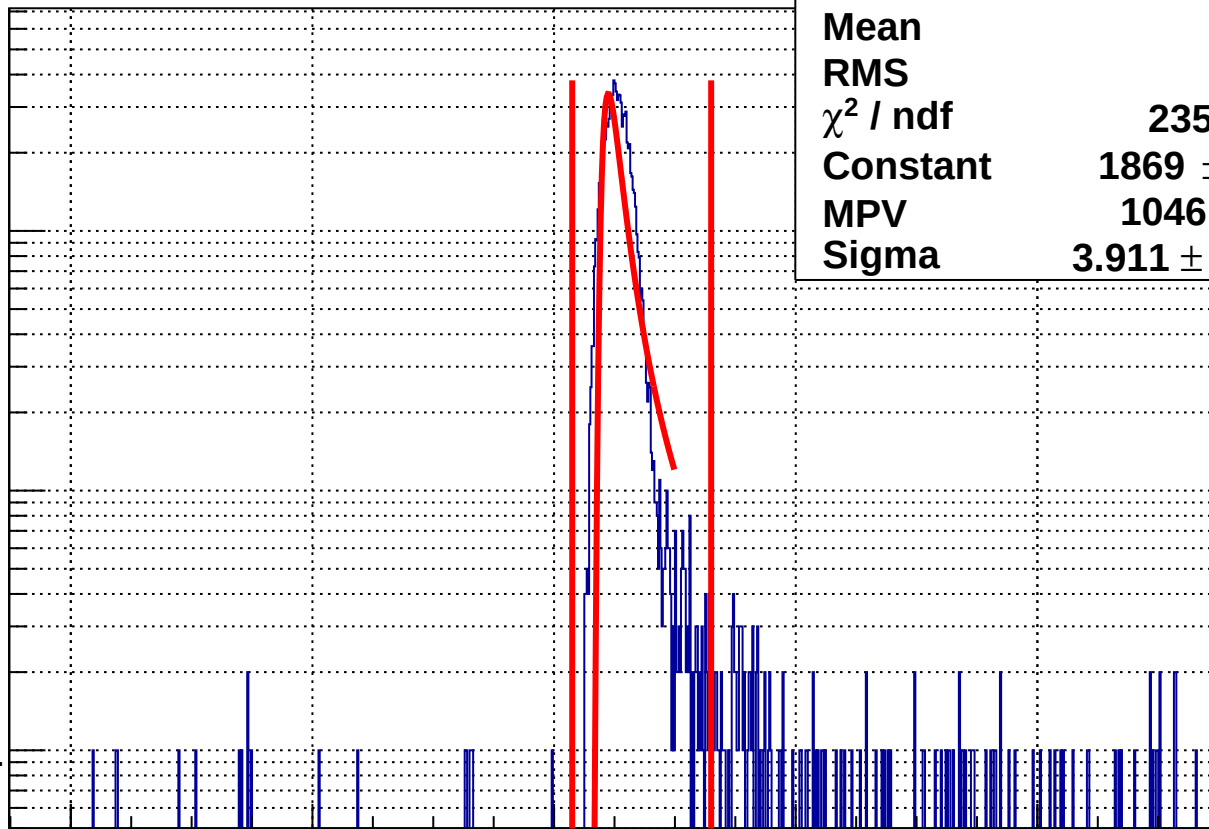
1400

LE time (ns)

Run# 19103014**tray_le_115****count** 10^2

10

1

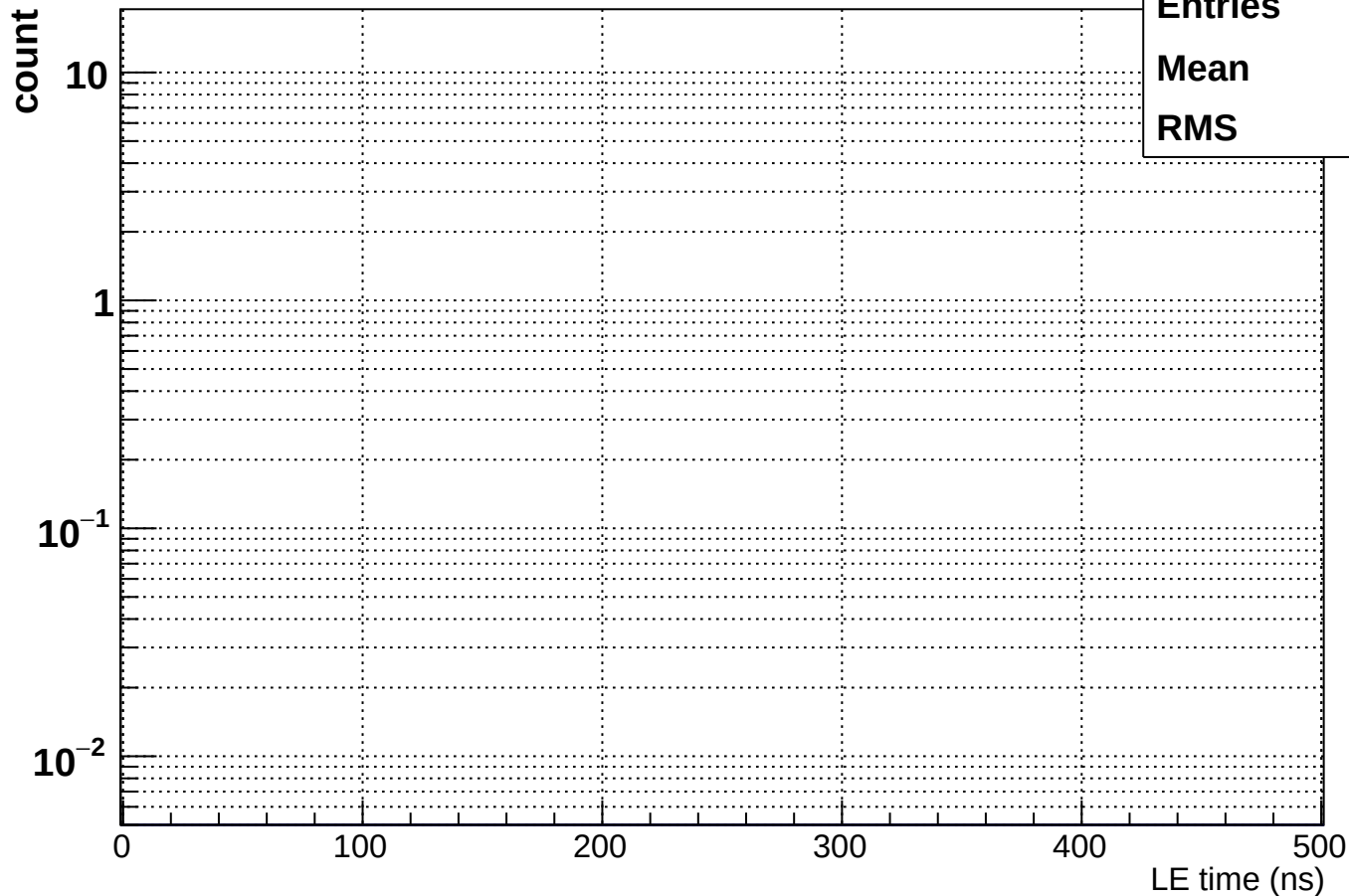
**Entries****9437****Mean****1056****RMS****34.47** χ^2 / ndf **2356 / 72****Constant** **1869 ± 35.5** **MPV** **1046 ± 0.2** **Sigma** **3.911 ± 0.062**

LE time (ns)

Run# 19103014

tray_le_116

Entries	0
Mean	0
RMS	0

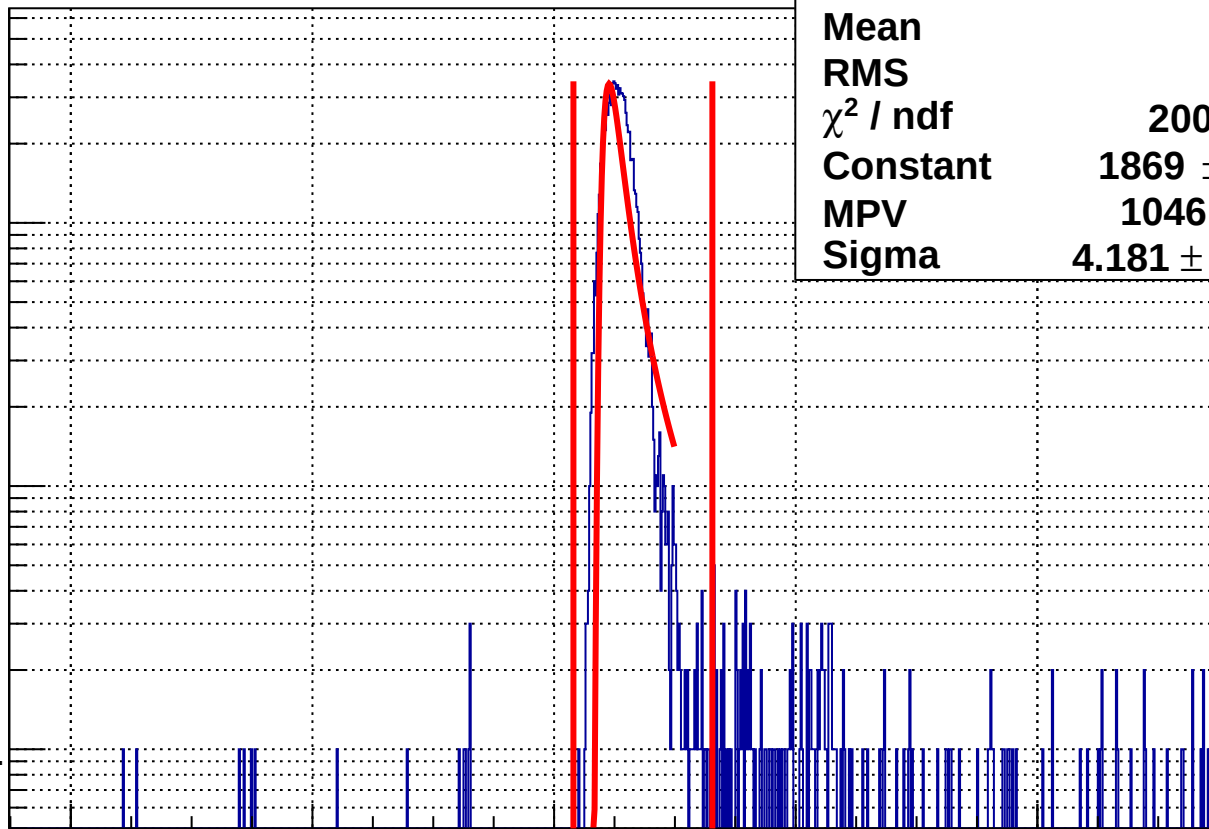


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Run# 19103014**tray_le_117****count** 10^2

10

1

**Entries****9487****Mean****1058****RMS****35.01** χ^2 / ndf **2004 / 73****Constant** **1869 ± 33.6** **MPV** **1046 ± 0.2** **Sigma** **4.181 ± 0.062**

LE time (ns)

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Run# 19103014

tray_le_118

count

10^2

10

1

Entries	7335
Mean	1048
RMS	31.32
χ^2 / nfd	1615 / 74
Constant	1396 ± 28.2
MPV	1038 ± 0.2
Sigma	4.282 ± 0.071

600

800

1000

1200

1400

LE time (ns)

Run# 19103014**tray_le_119****count** 10^2

10

1

Entries	9366
Mean	1050
RMS	38.17
χ^2 / nfd	2022 / 78
Constant	1858 ± 32.1
MPV	1038 ± 0.1
Sigma	4.051 ± 0.055

600

800

1000

1200

1400

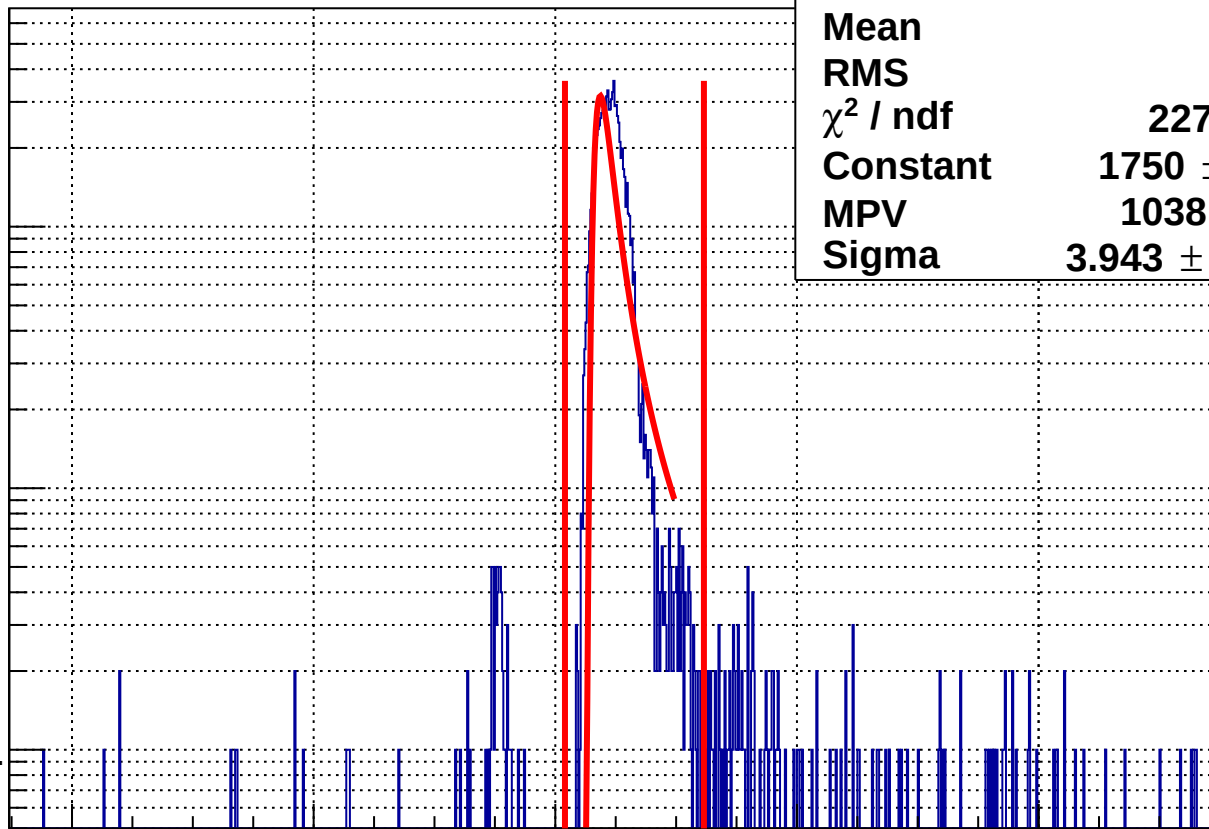
LE time (ns)

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Run# 19103014**tray_le_120****count** 10^2

10

1



Entries	9099
Mean	1048
RMS	33.77
χ^2 / ndf	2272 / 78
Constant	1750 ± 31.8
MPV	1038 ± 0.2
Sigma	3.943 ± 0.056

LE time (ns)

Run# 19103014

tray_le_121

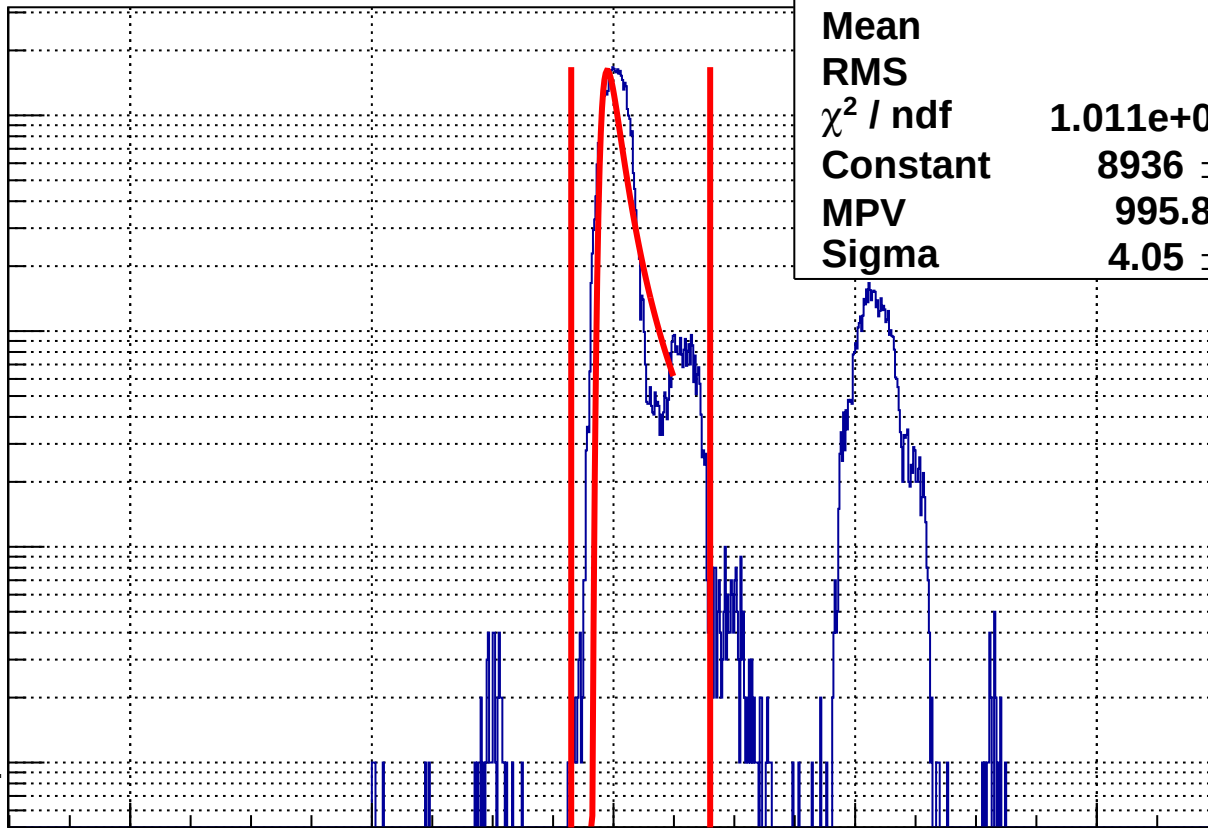
count

10^3

10^2

10

1



Entries	50734
Mean	1029
RMS	68.11
χ^2 / ndf	1.011e+04 / 83
Constant	8936 $\pm$ 77.4
MPV	995.8 $\pm$ 0.1
Sigma	4.05 $\pm$ 0.03

LE time (ns)

Run# 19103014

tray_le_122

count

10^3

10^2

10

1

600

800

1000

1200

1400

LE time (ns)

Entries

49202

Mean

1087

RMS

66.3

χ^2 / ndf

9190 / 79

Constant

9177 ± 77.7

MPV

1057 ± 0.1

Sigma

3.971 ± 0.028