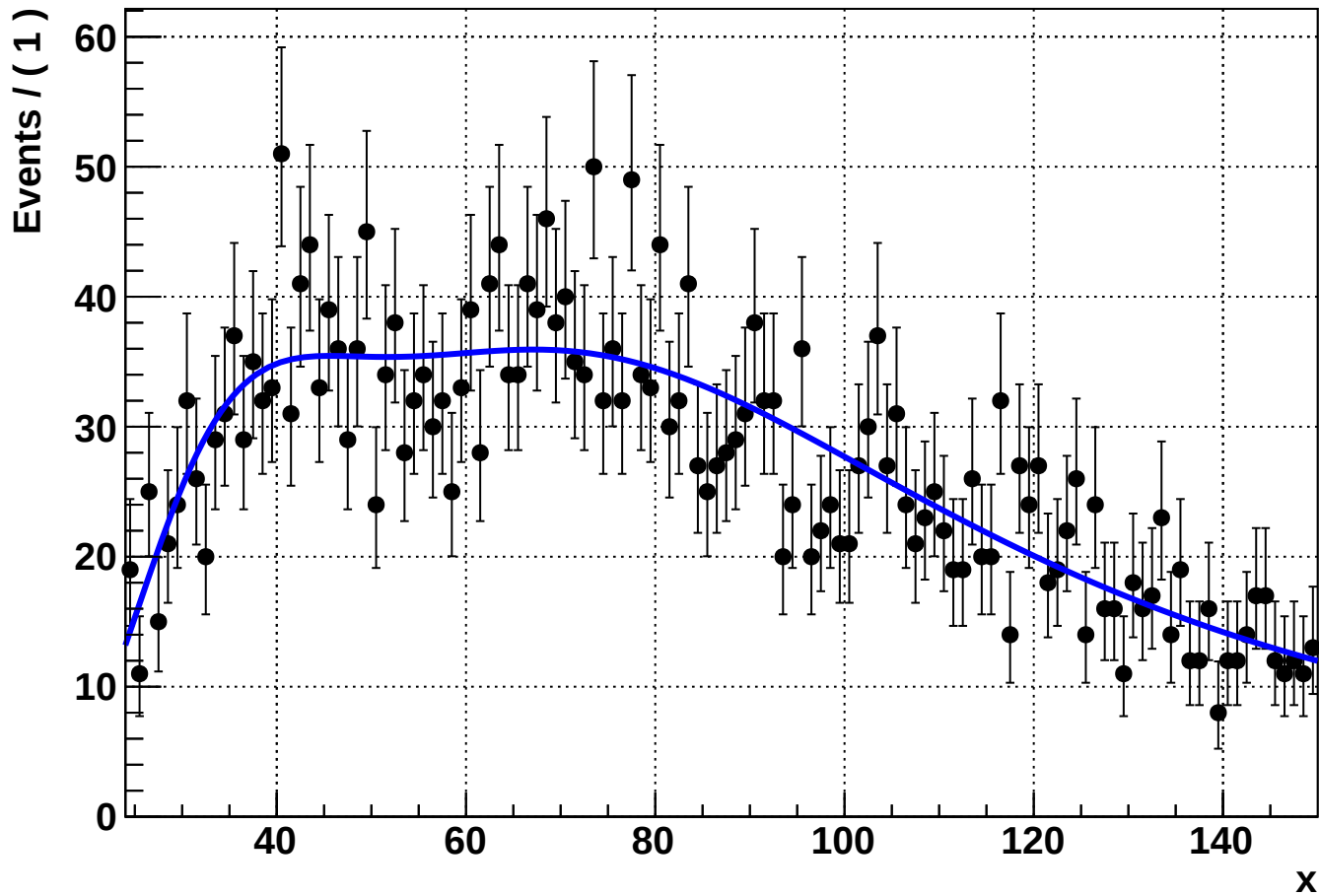
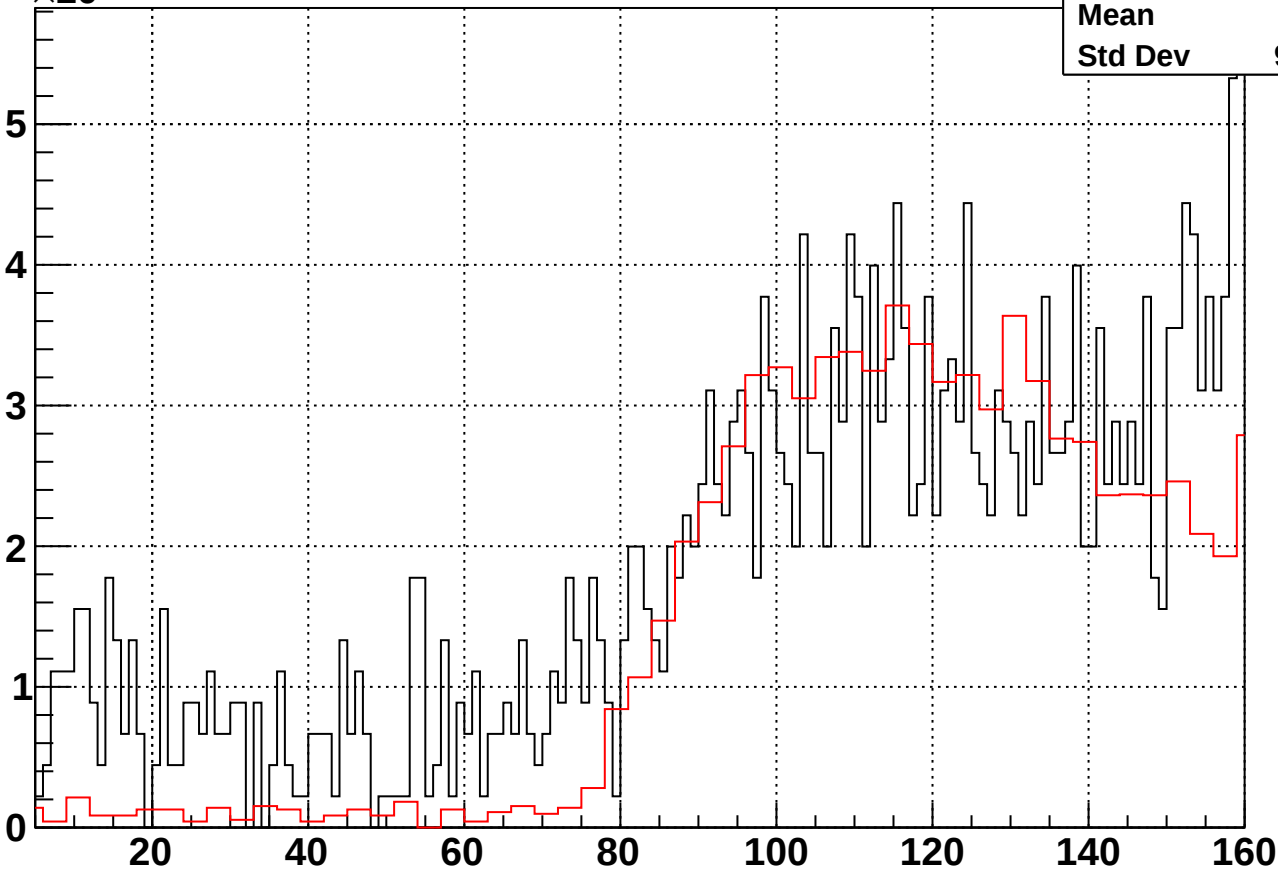


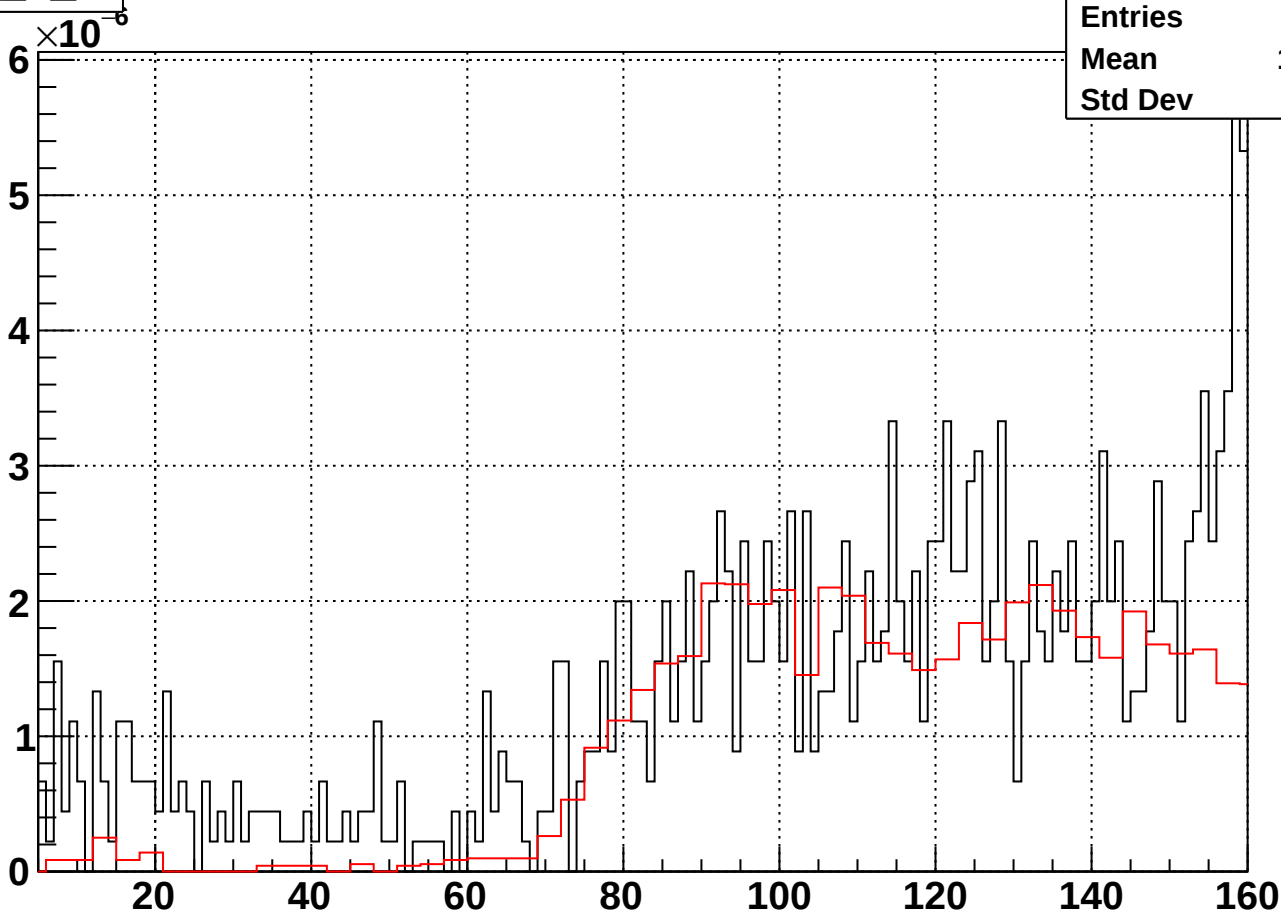
A RooPlot of "x"



hL1_1_1 $\times 10^{-6}$ 

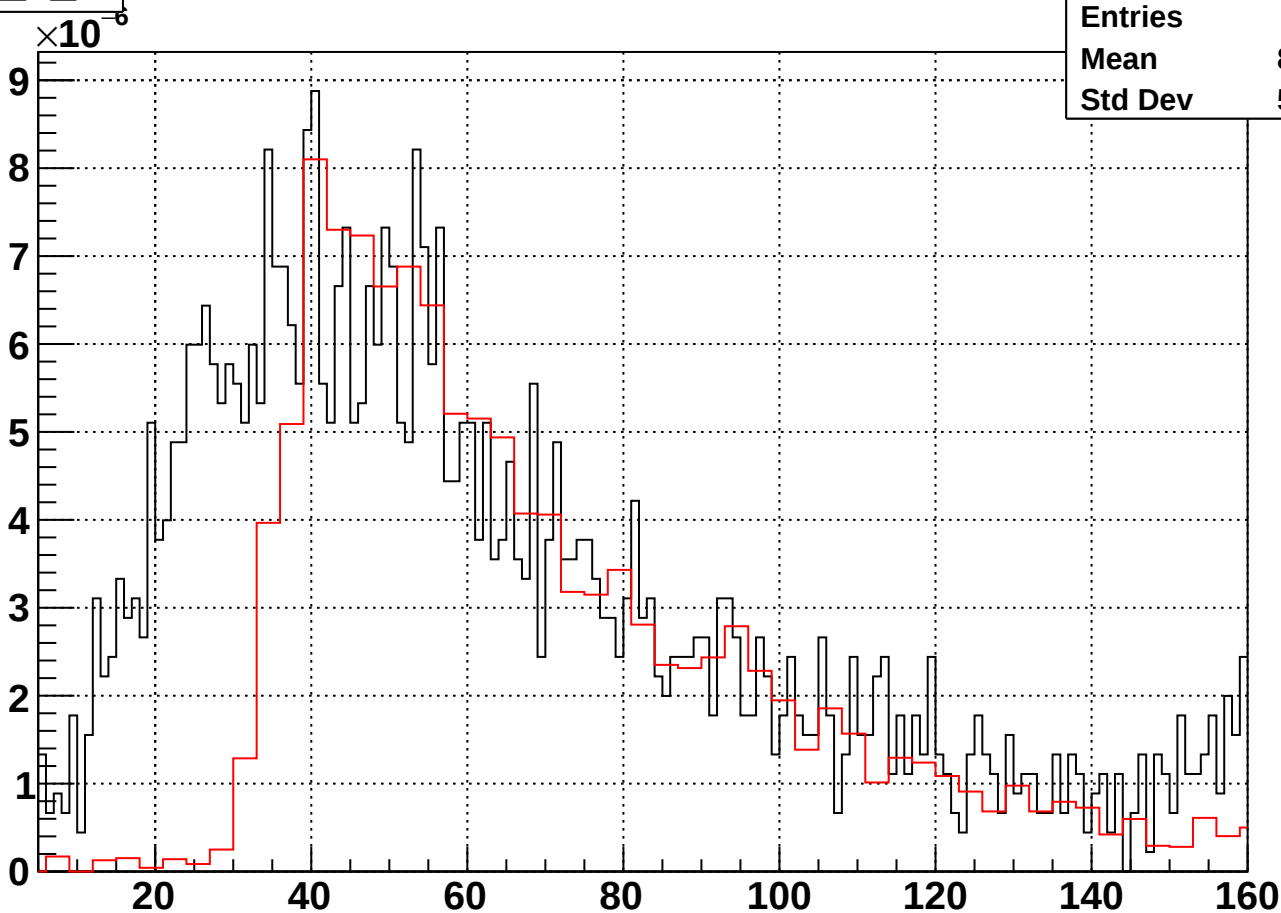
hL1_1_2

hL1_1_2	
Entries	2445
Mean	175.2
Std Dev	95



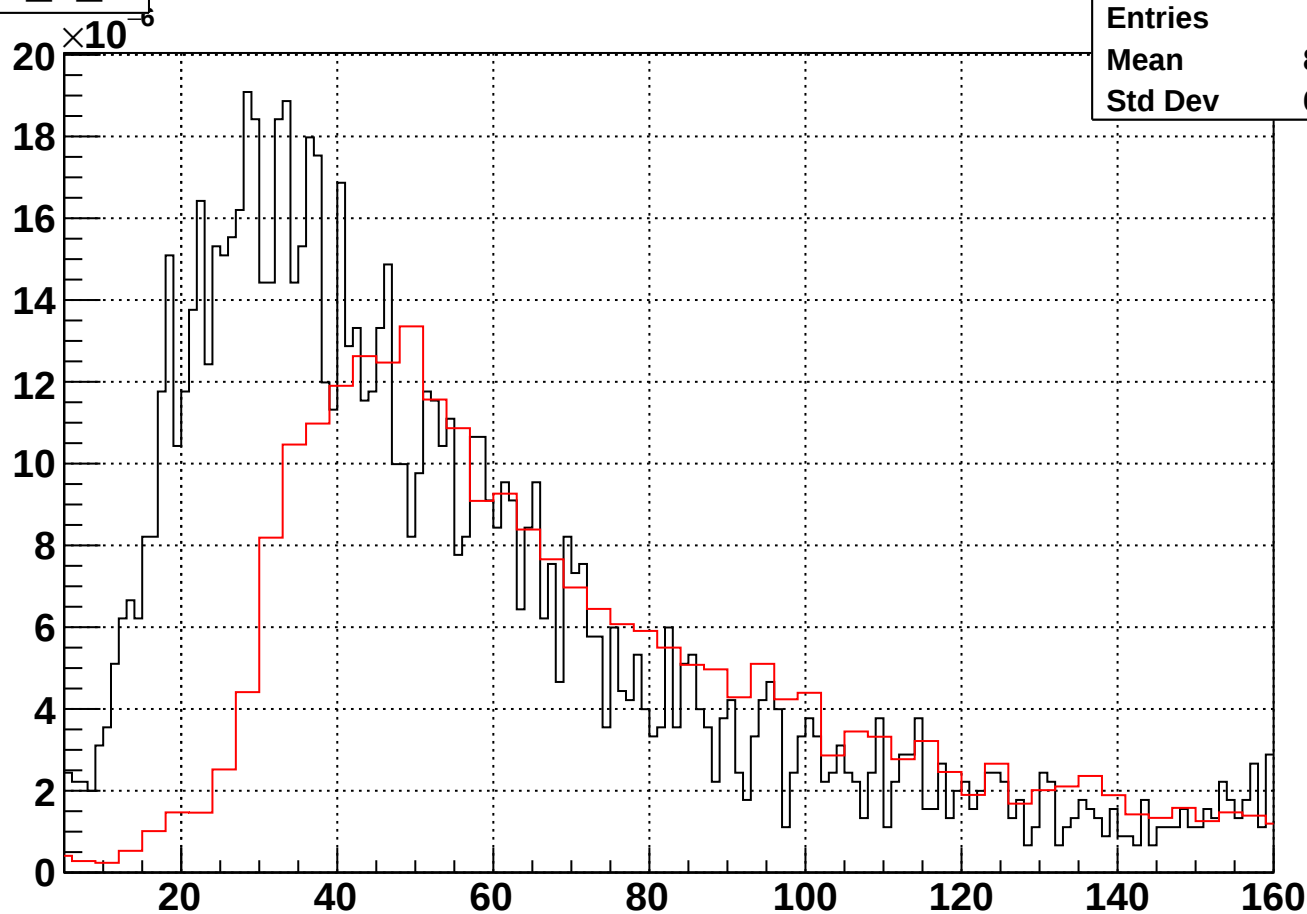
hL1_1_3

hL1_1_3	
Entries	3606
Mean	80.88
Std Dev	58.47



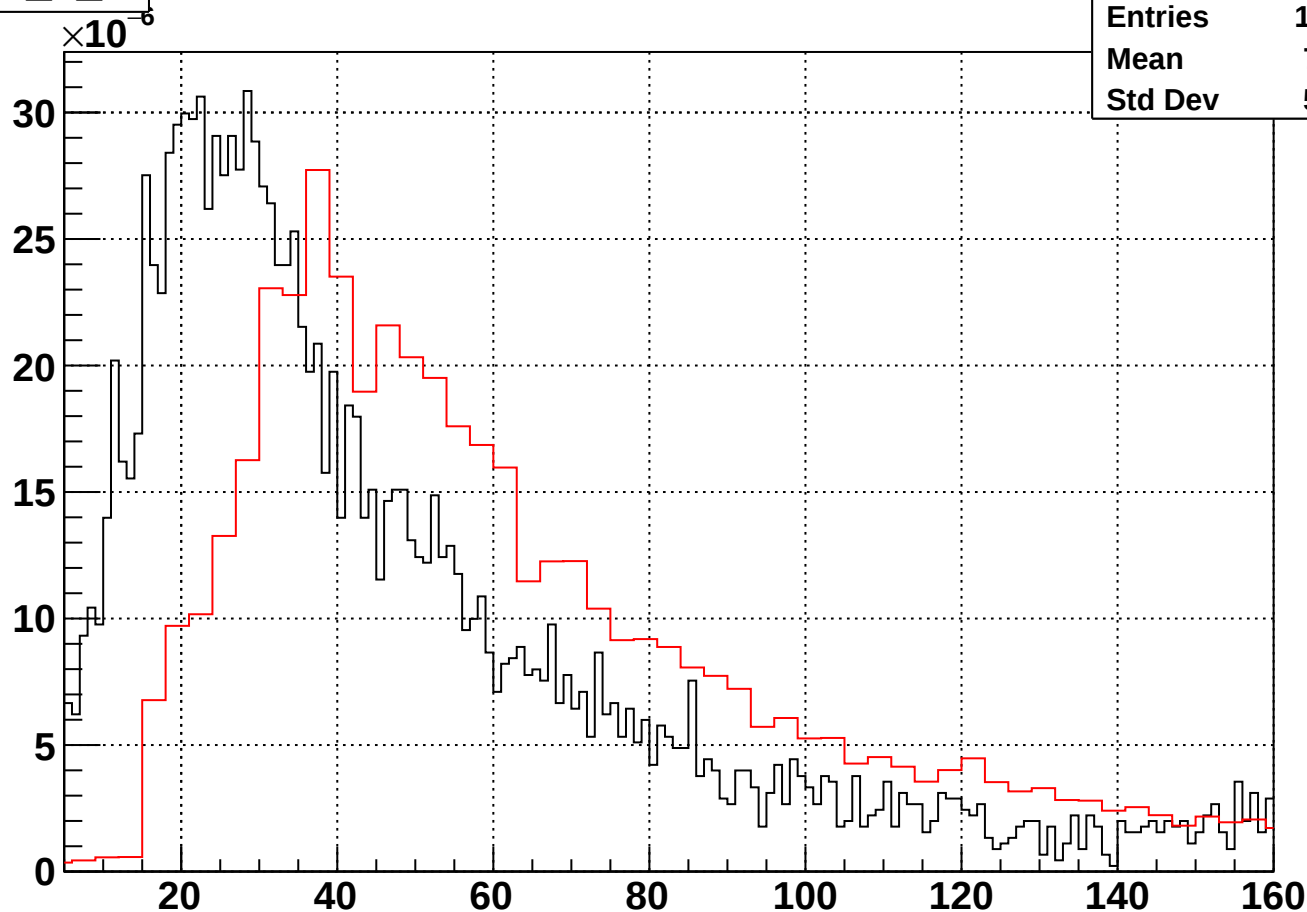
hL1_1_4**hL1_1_4**

Entries	7725
Mean	85.48
Std Dev	66.02



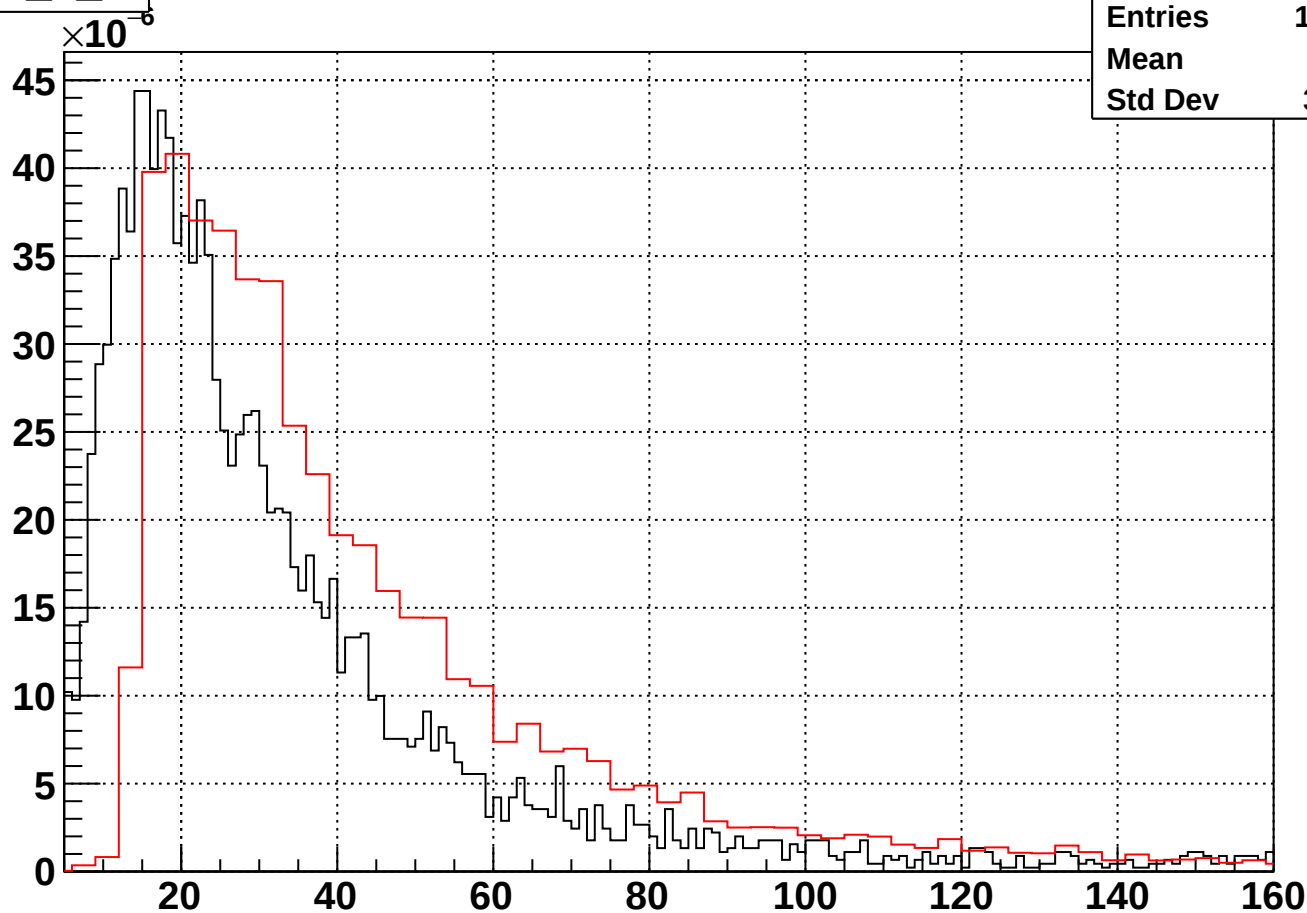
hL1_1_5**hL1_1_5**

Entries	13827
Mean	74.53
Std Dev	59.45



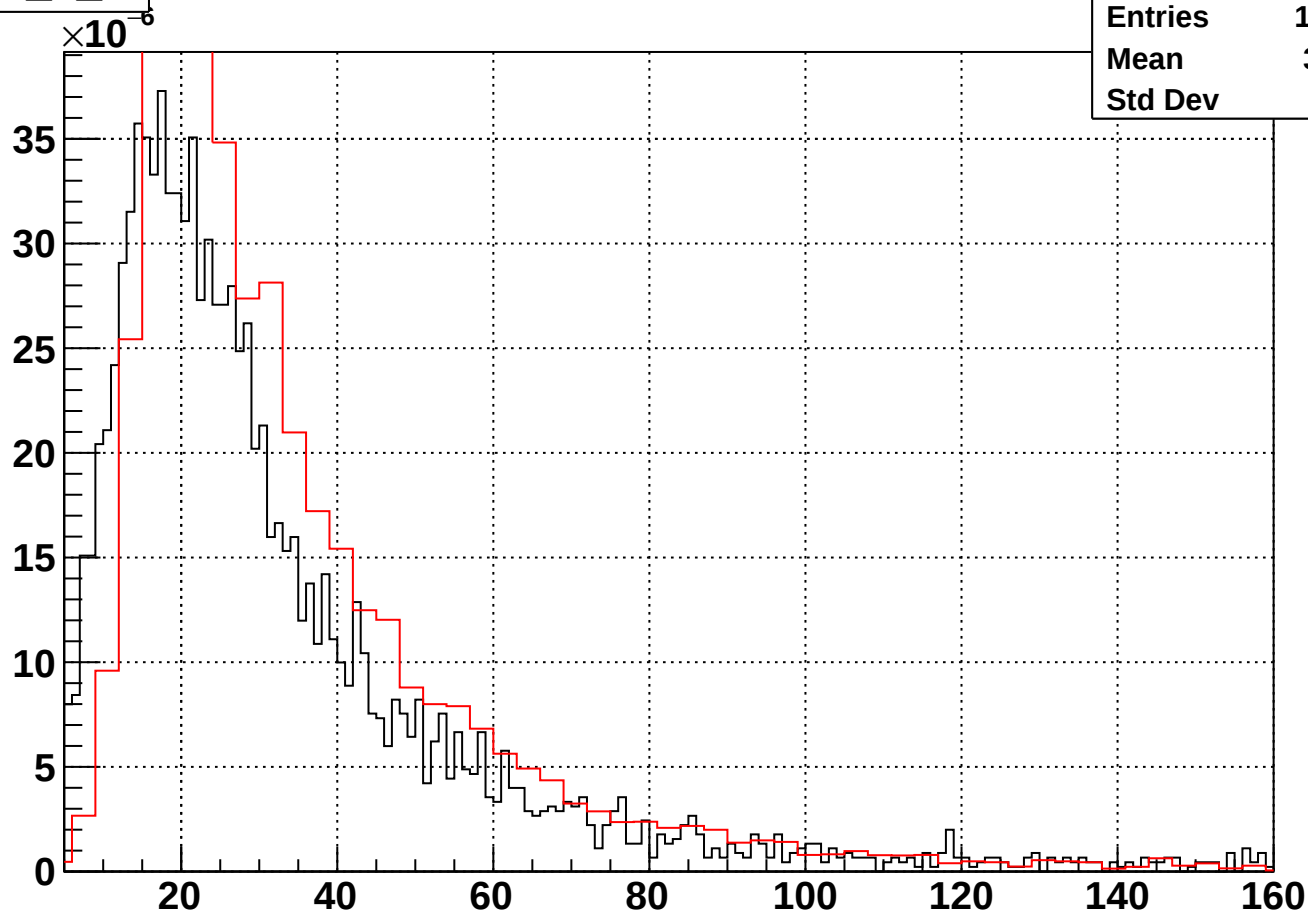
hL1_1_6**hL1_1_6**

Entries	13462
Mean	46.11
Std Dev	39.47



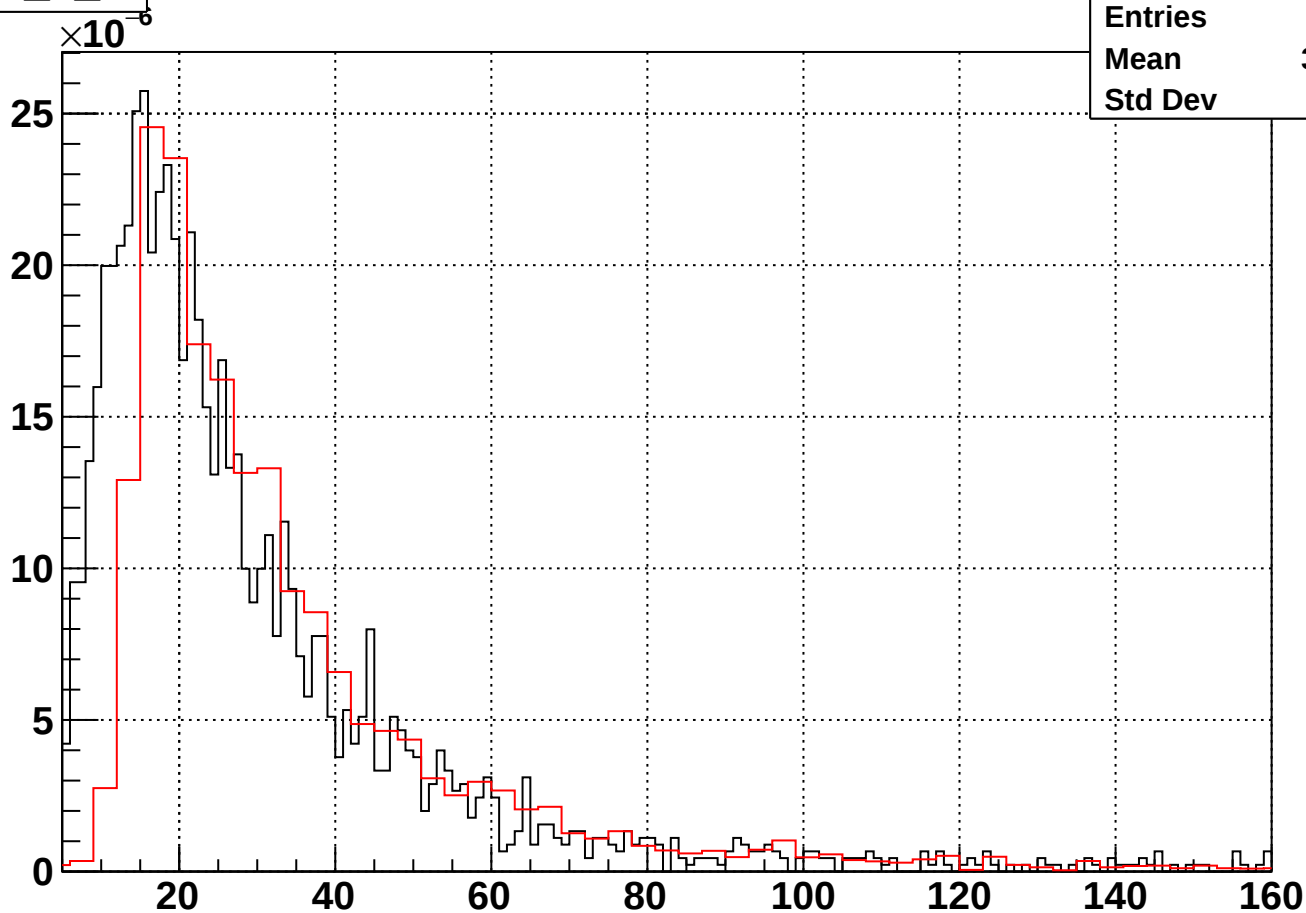
hL1_1_7**hL1_1_7**

Entries	11530
Mean	36.56
Std Dev	31.3



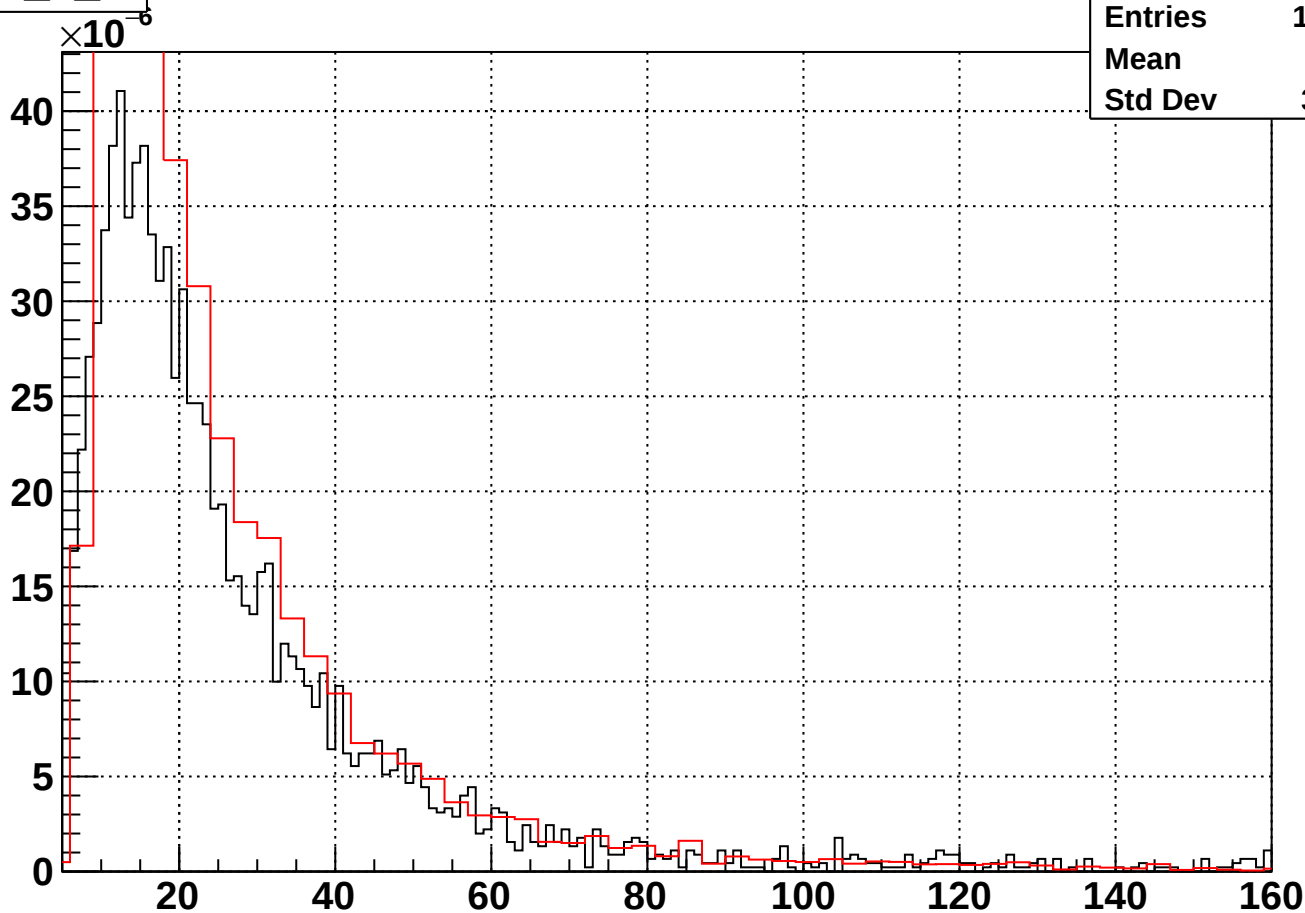
hL1_1_8**hL1_1_8**

Entries	5441
Mean	37.53
Std Dev	38.9



hL1_1_9

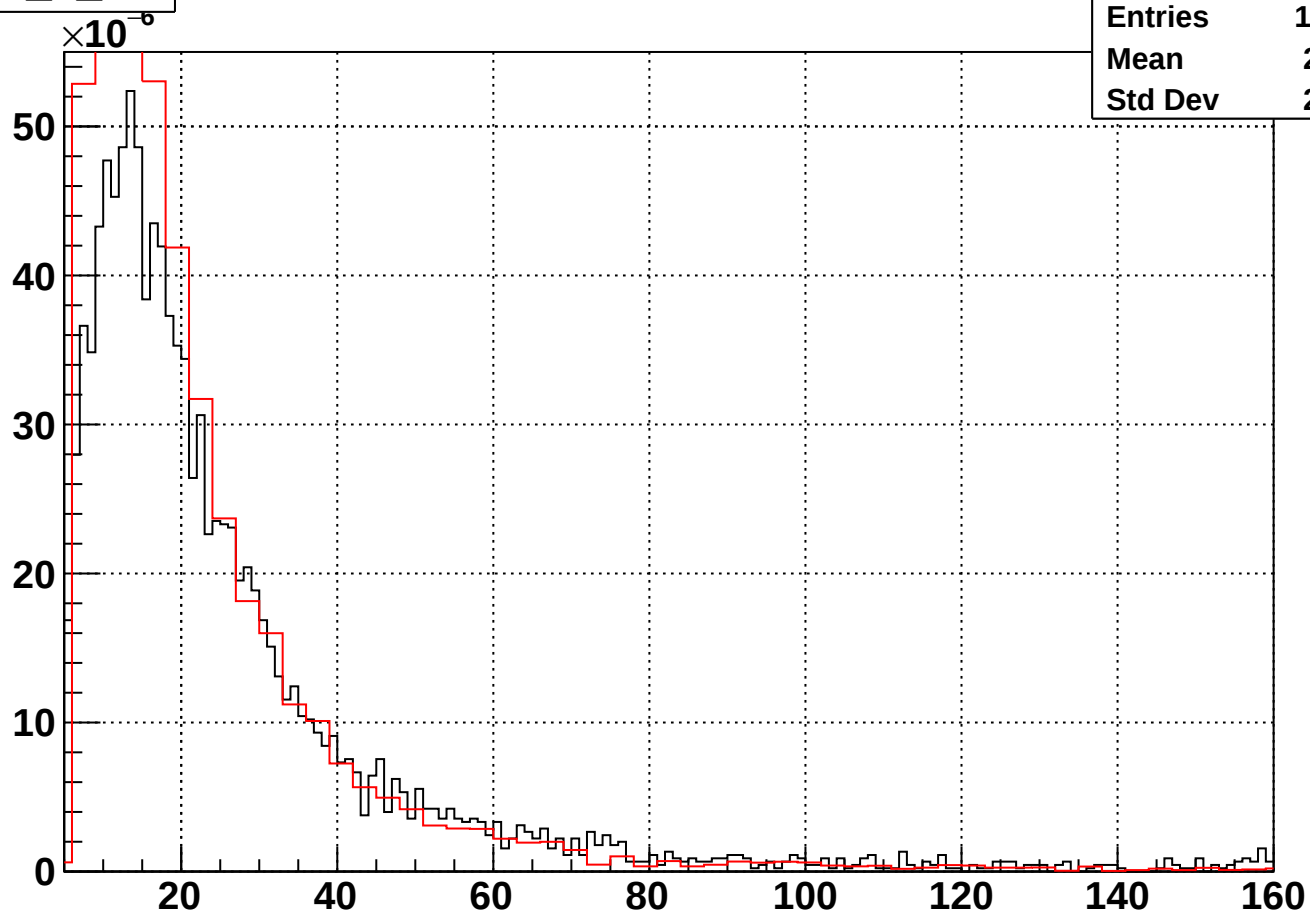
hL1_1_9	
Entries	11259
Mean	28.41
Std Dev	33.95



hL1_1_10

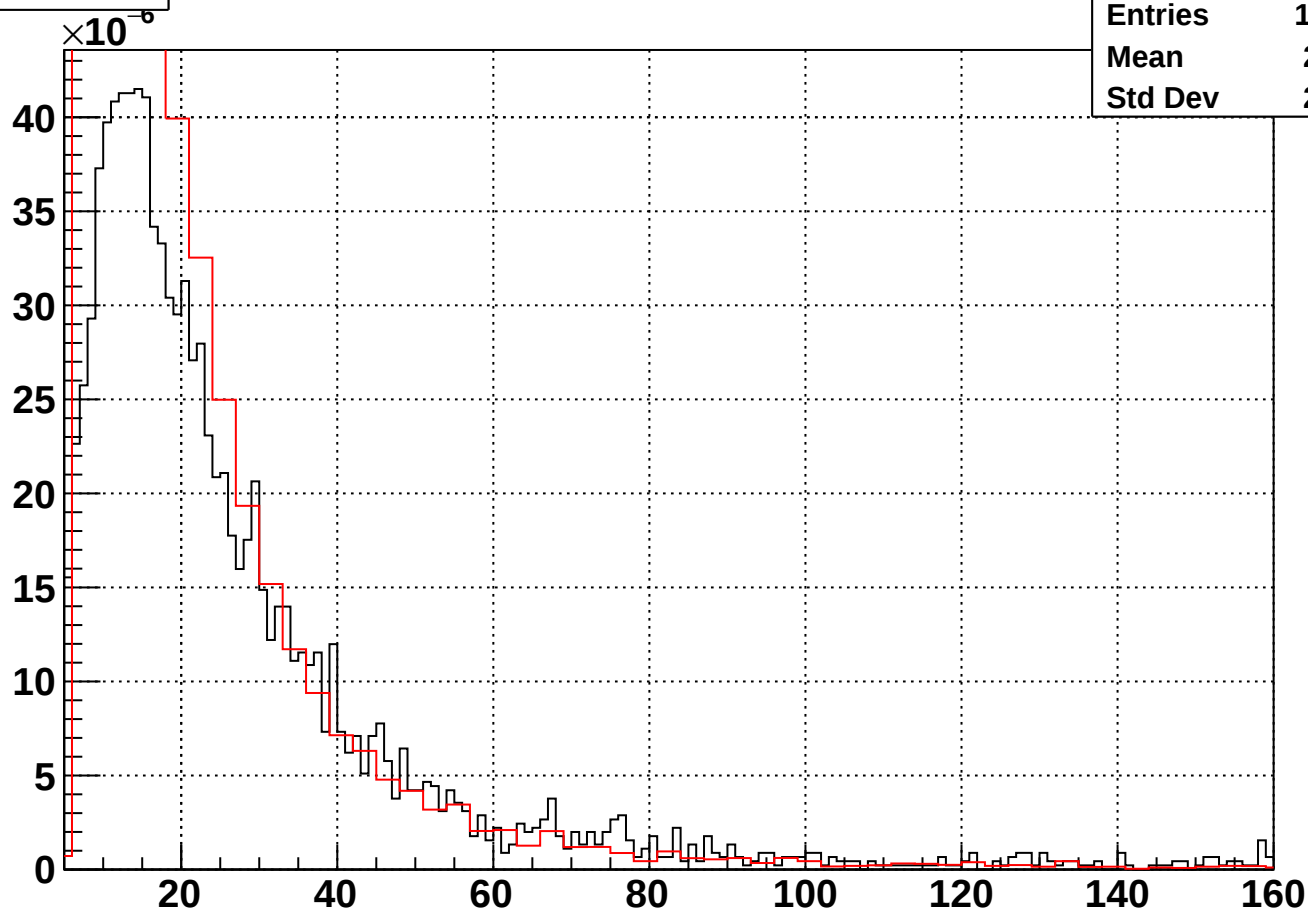
hL1_1_10

Entries	13095
Mean	23.95
Std Dev	29.89



hL1_1_11**hL1_1_11**

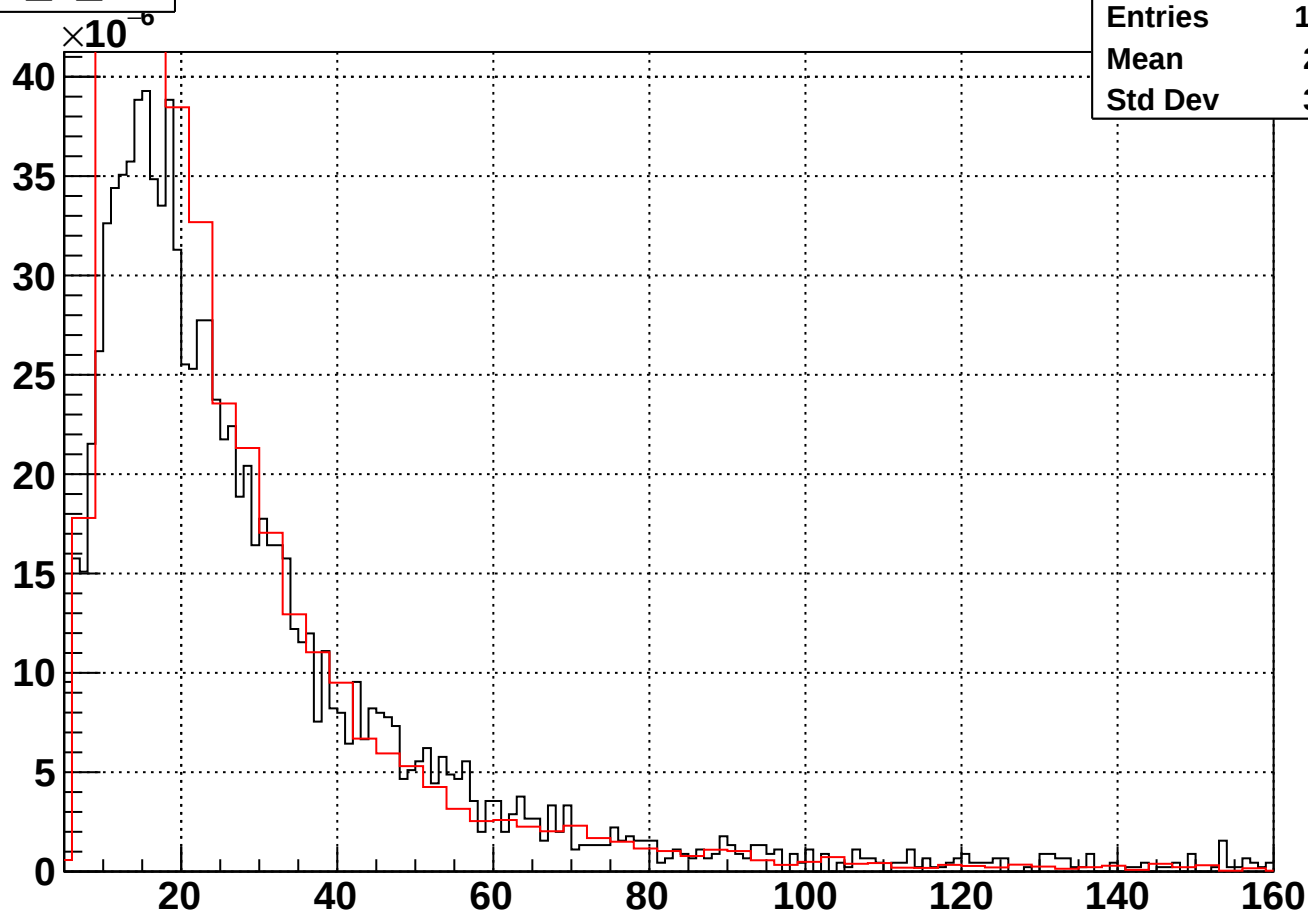
Entries	12987
Mean	23.64
Std Dev	28.38



hL1_1_12

hL1_1_12

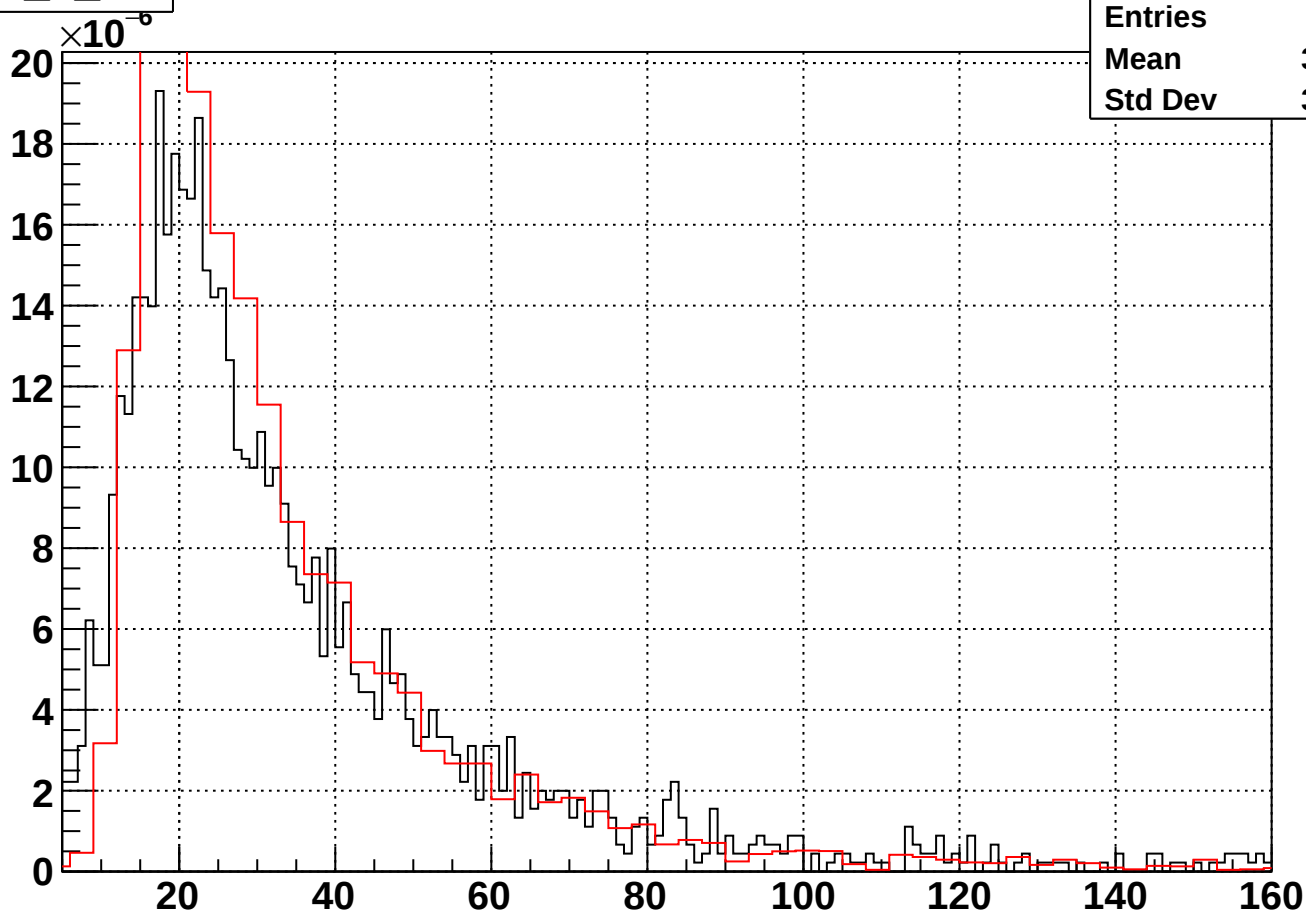
Entries	11228
Mean	28.13
Std Dev	32.72



hL1_1_13

hL1_1_13

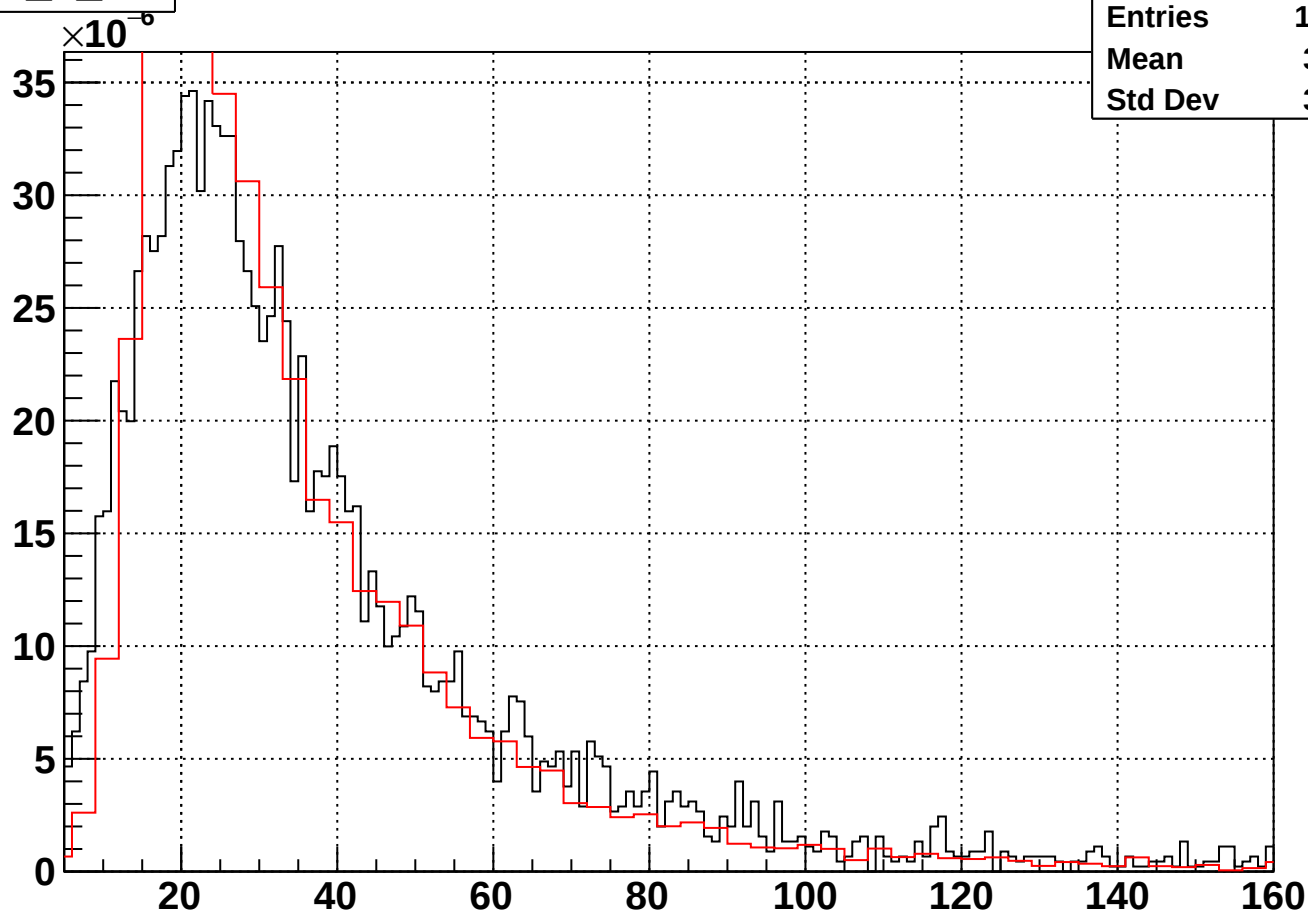
Entries	5430
Mean	36.53
Std Dev	36.89



hL1_1_14

hL1_1_14

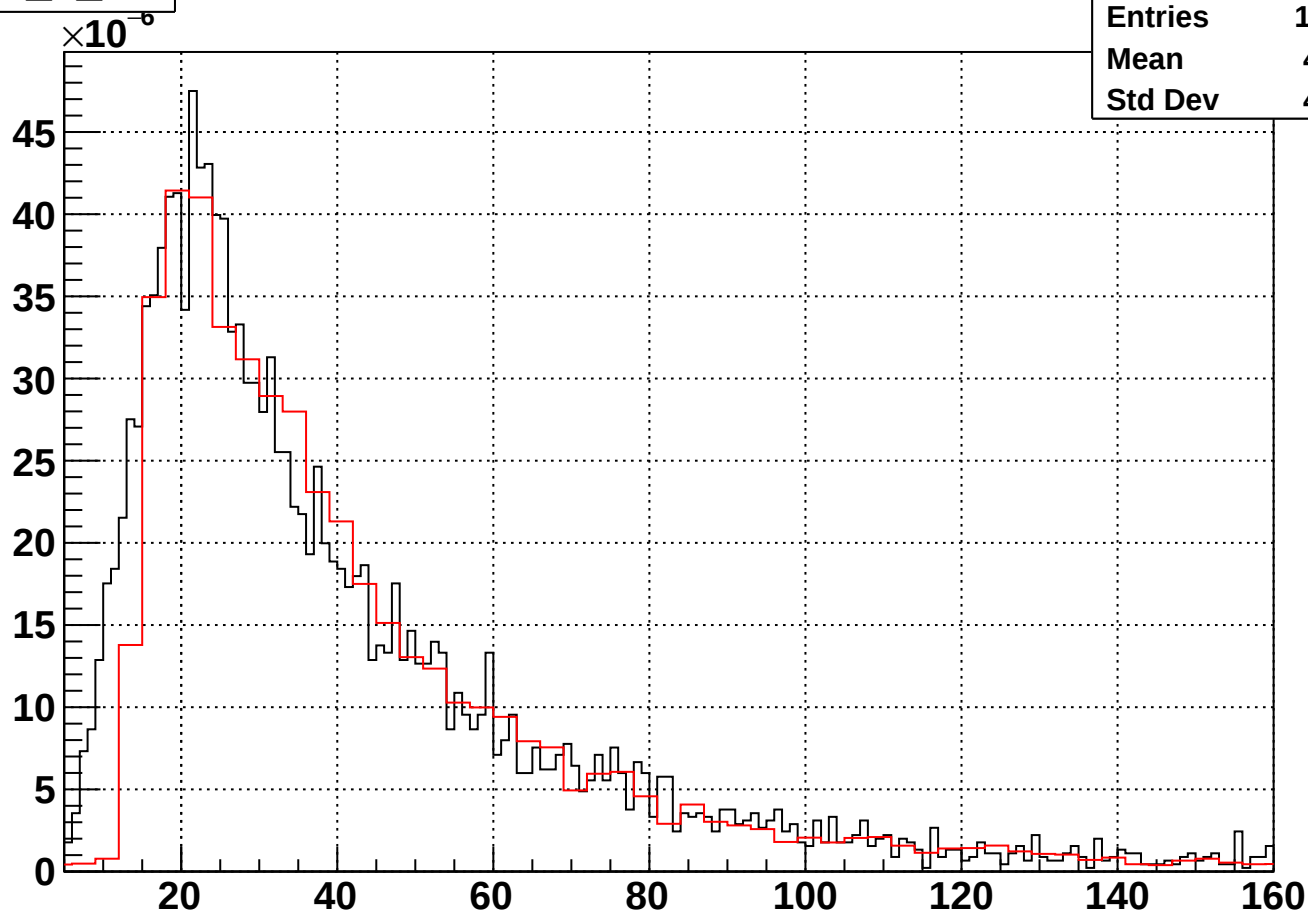
Entries	11559
Mean	36.85
Std Dev	32.59



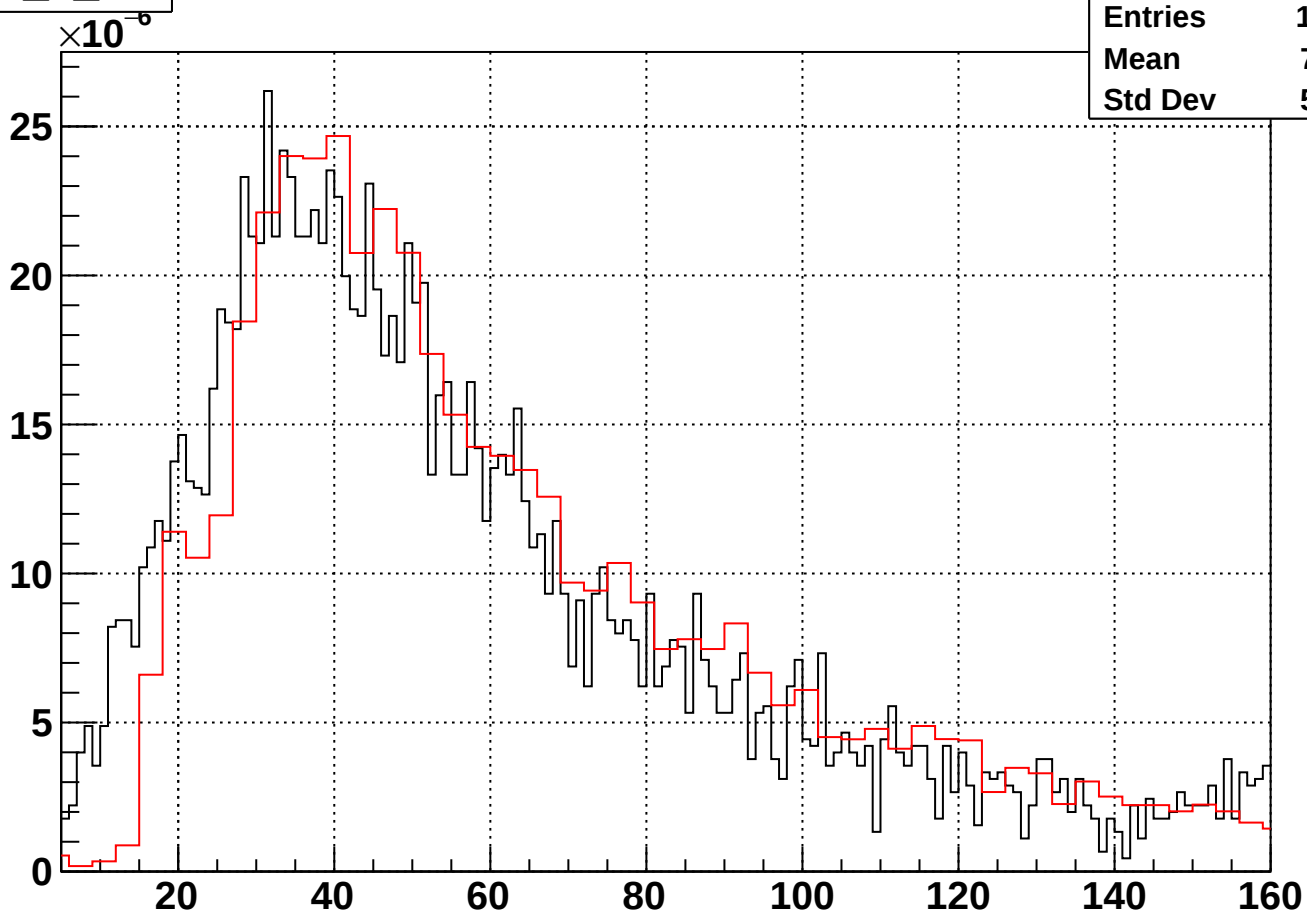
hL1_1_15

hL1_1_15

Entries	13169
Mean	45.69
Std Dev	40.76



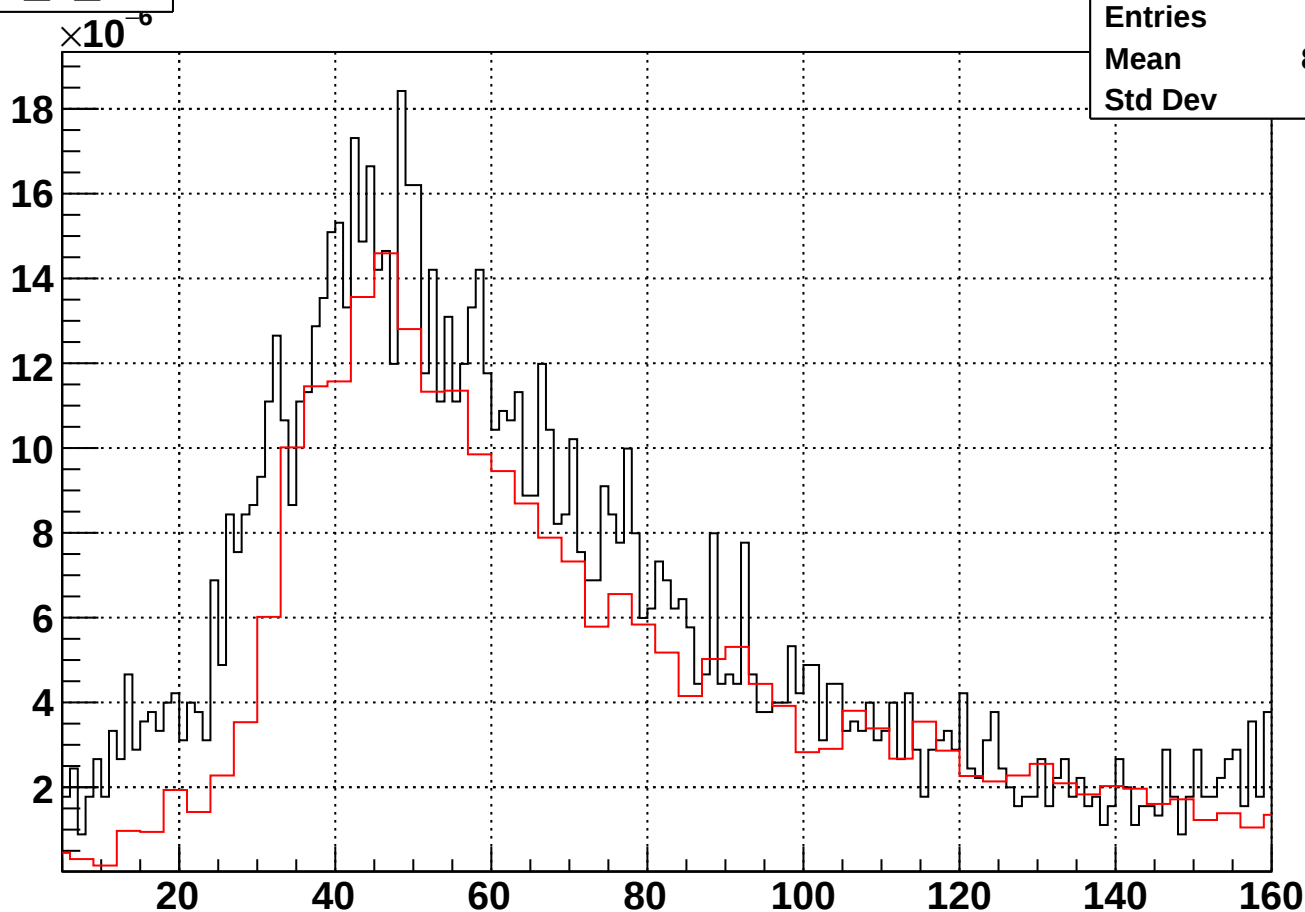
hL1_1_16



hL1_1_17

hL1_1_17

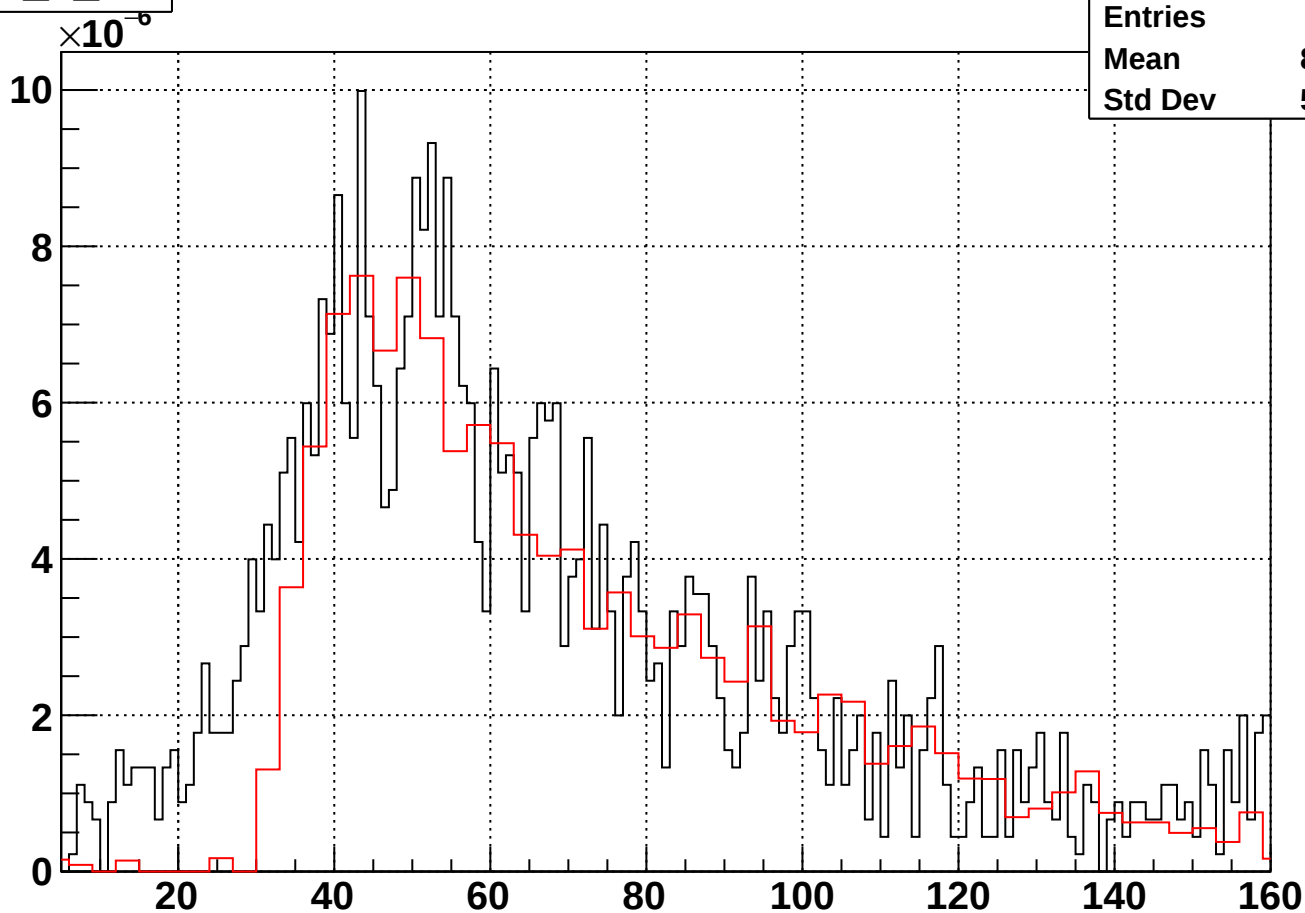
Entries	7764
Mean	85.05
Std Dev	64.41



hL1_1_18

hL1_1_18

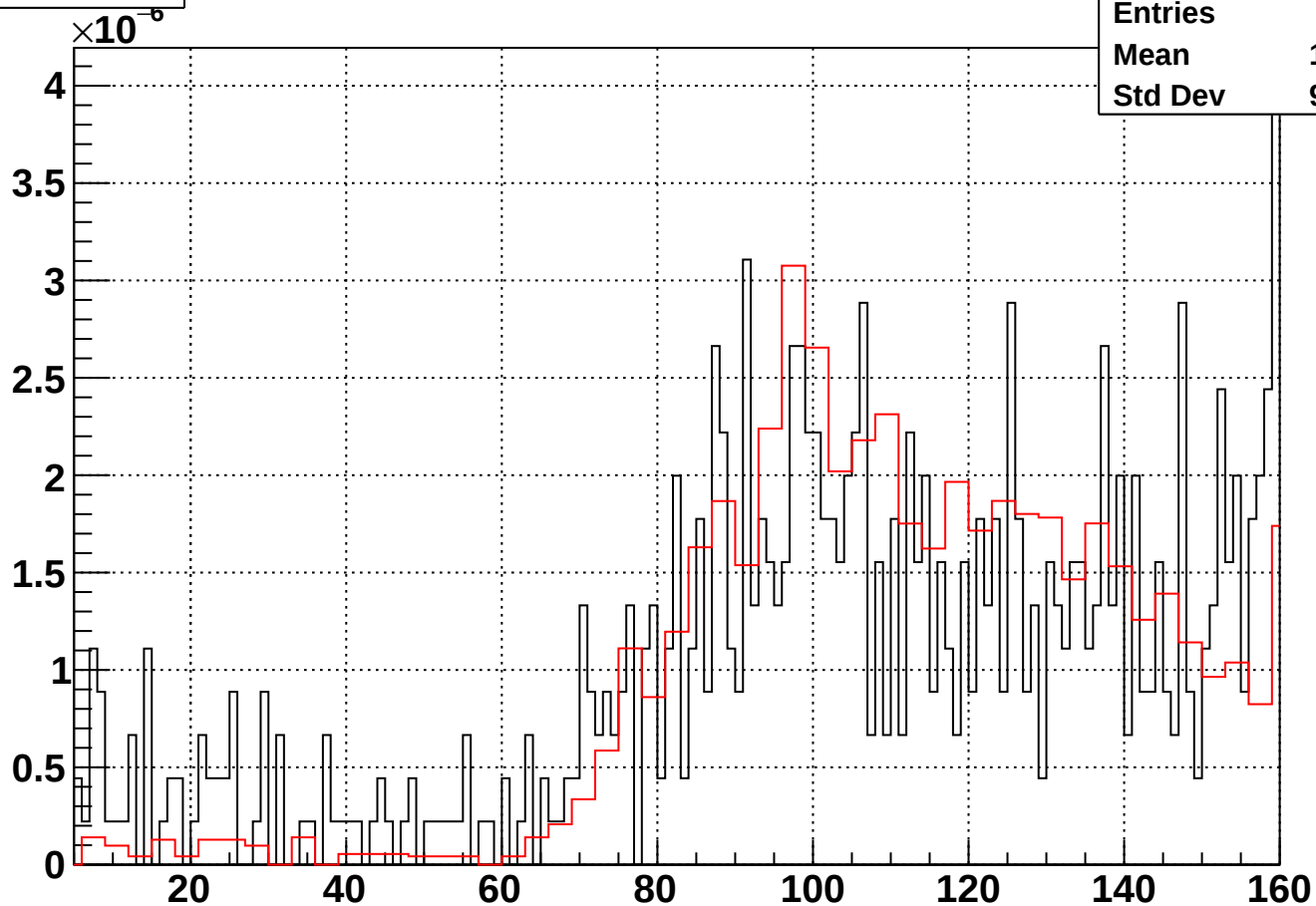
Entries	3696
Mean	81.13
Std Dev	53.02



hL1_1_19

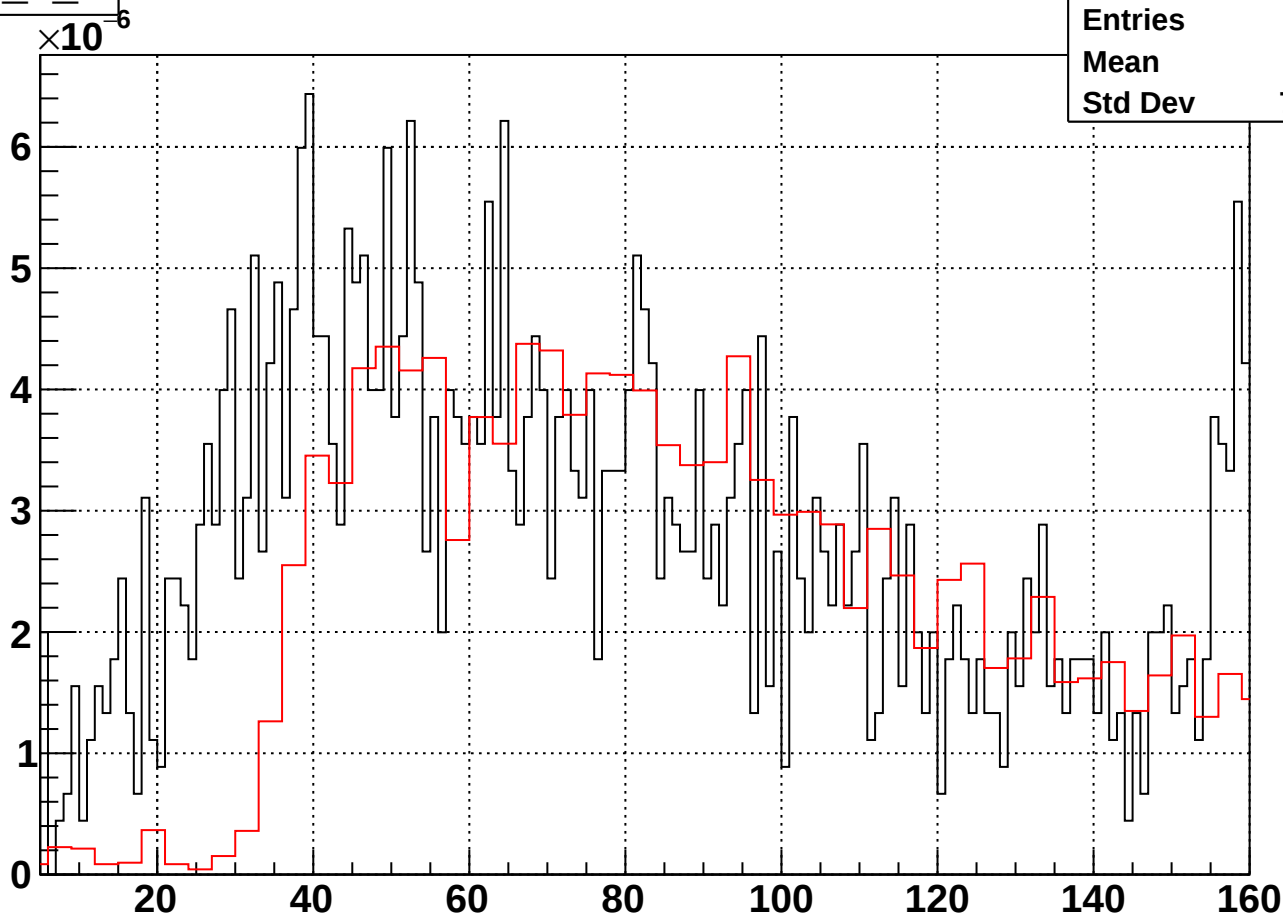
hL1_1_19

Entries	2441
Mean	172.9
Std Dev	91.82



hL1_2_1**hL1_2_1**

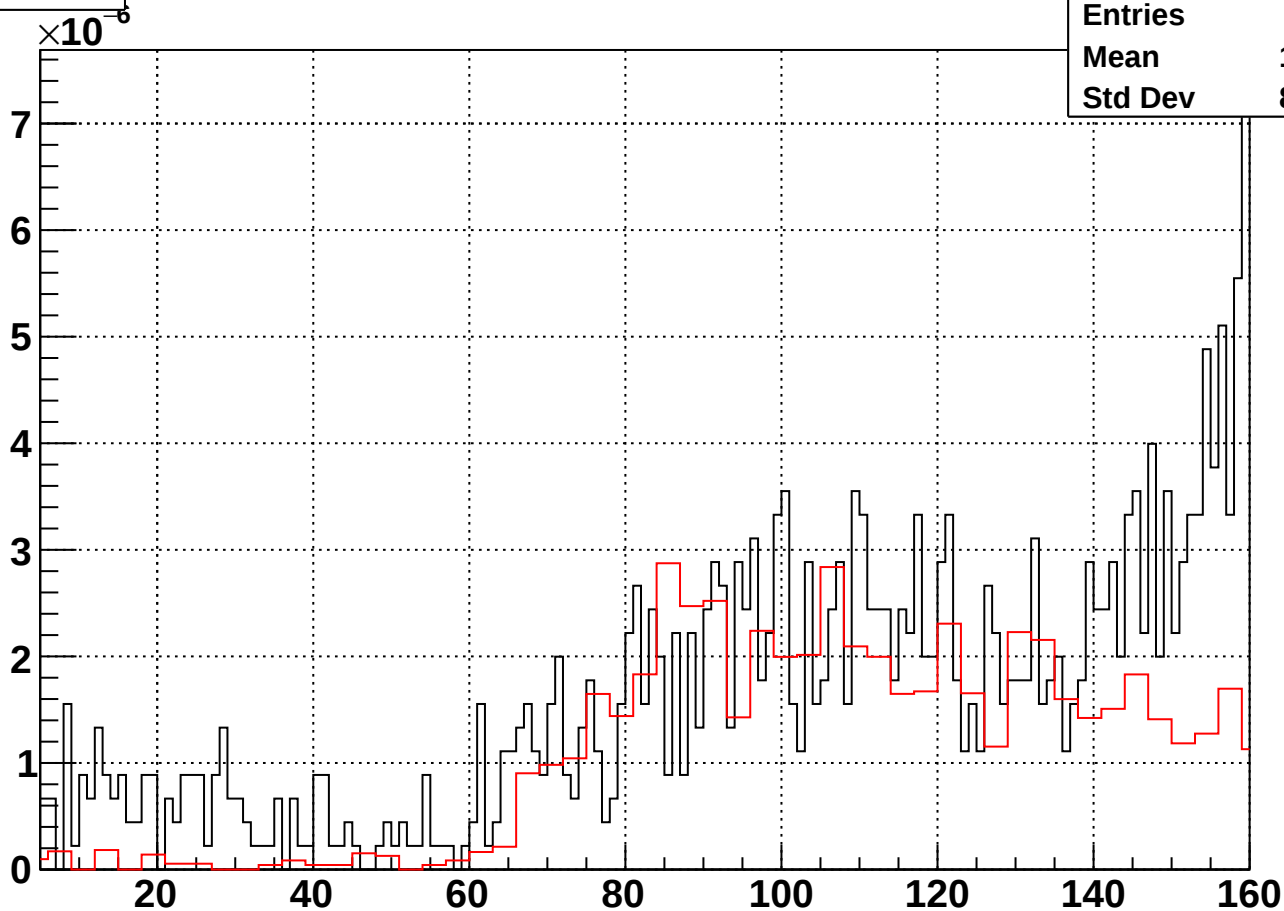
Entries	4253
Mean	117
Std Dev	78.79

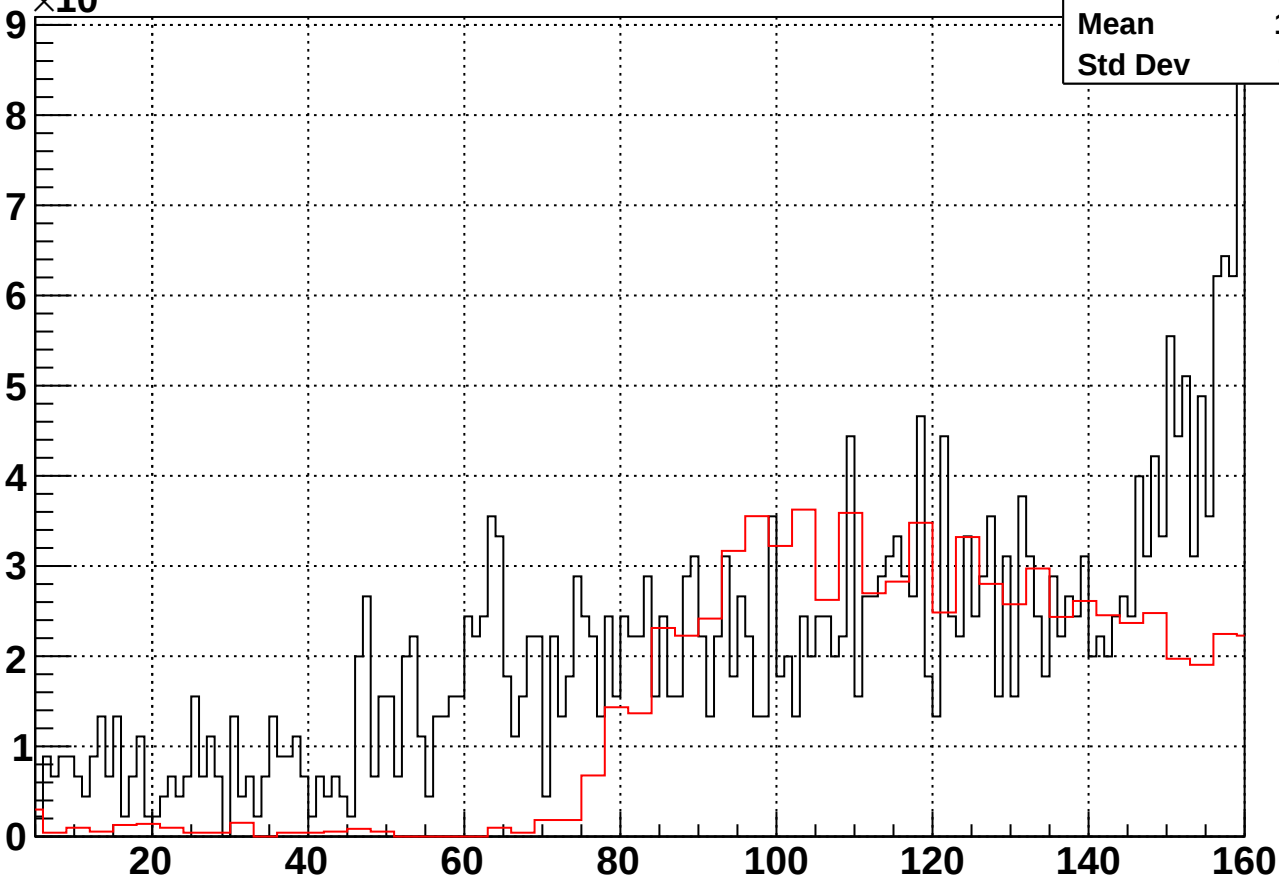


hL1_2_2

hL1_2_2

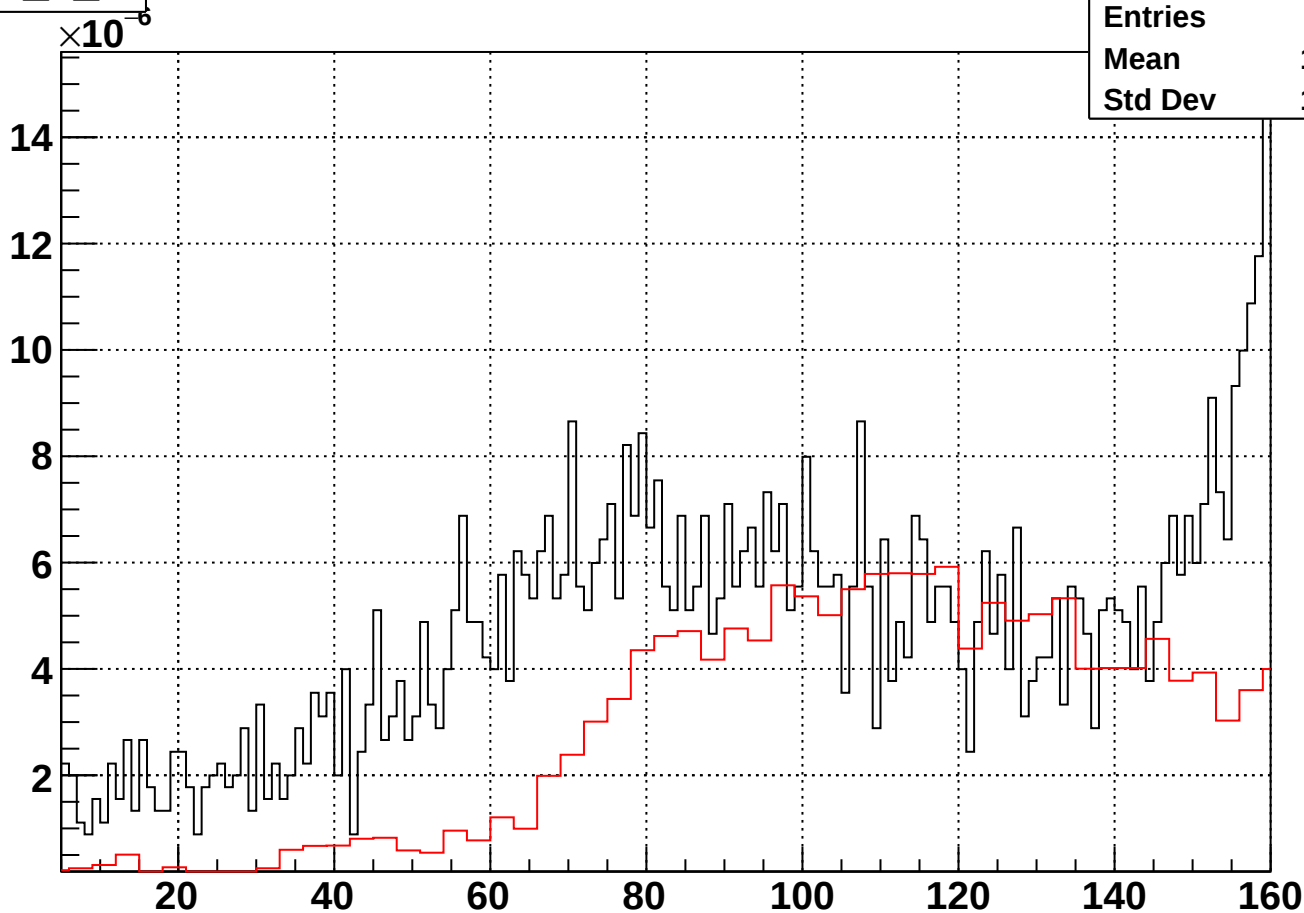
Entries	2457
Mean	159.6
Std Dev	88.85



hL1_2_3 $\times 10^{-6}$ 

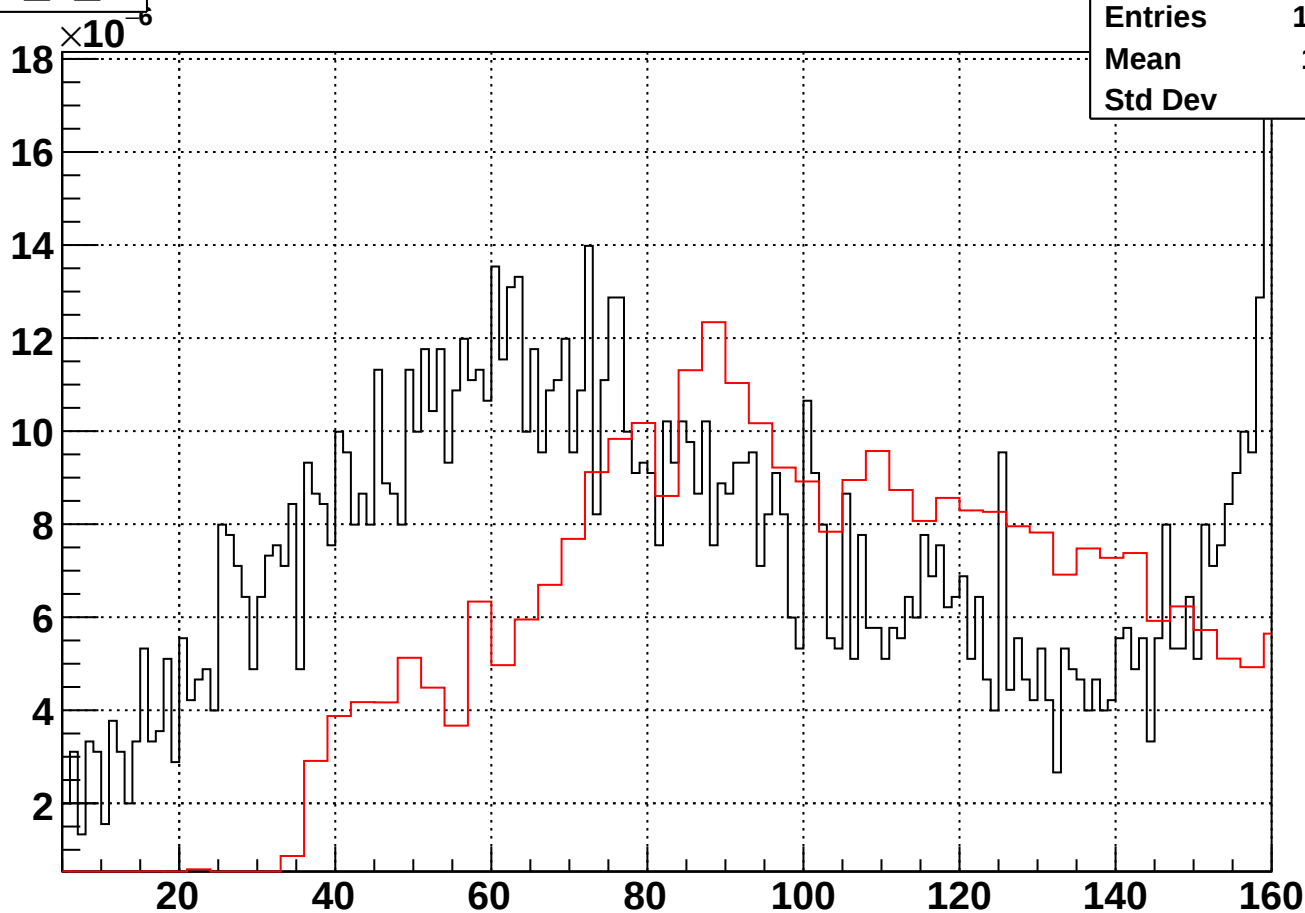
hL1_2_4**hL1_2_4**

Entries	7567
Mean	177.3
Std Dev	102.2



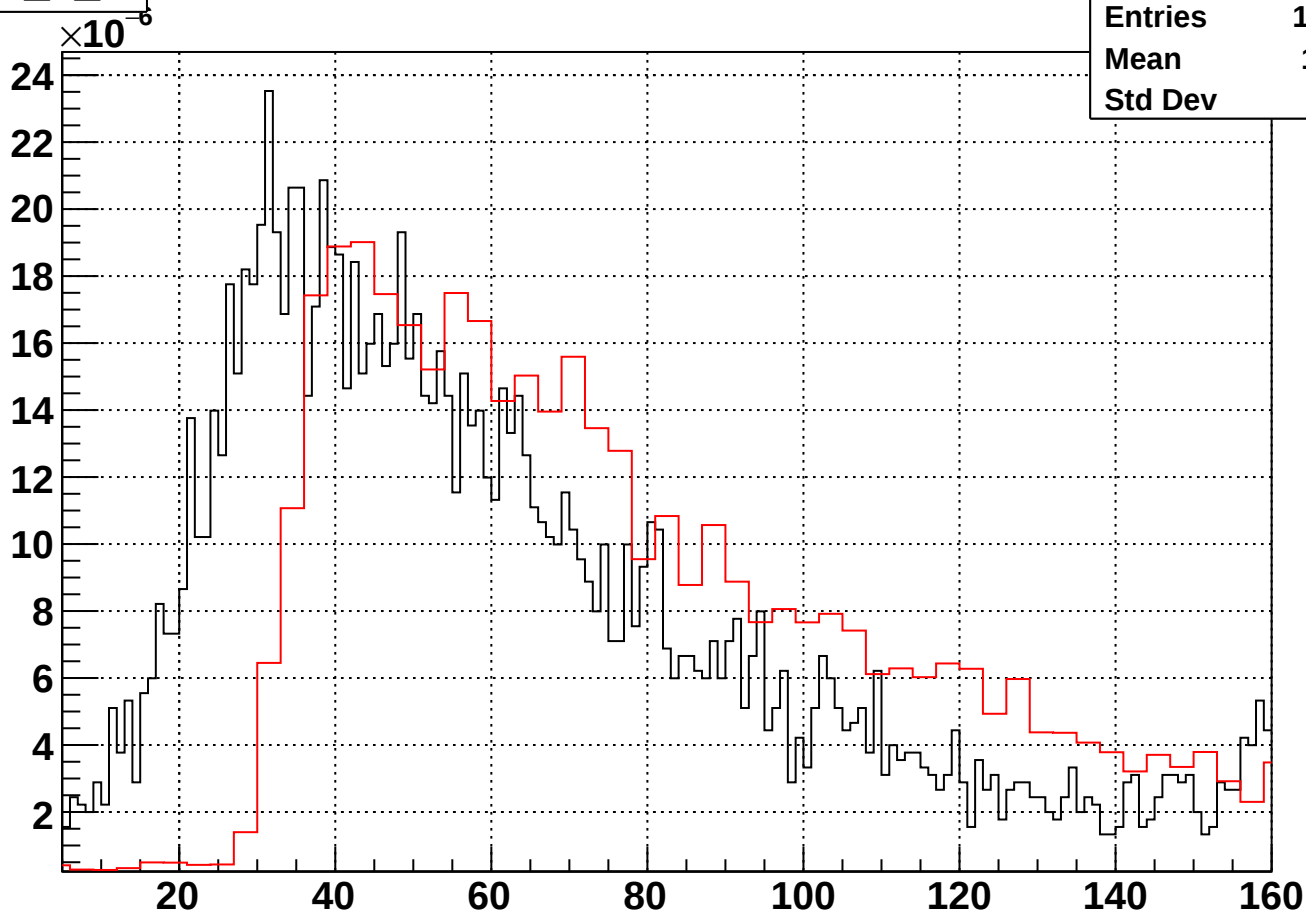
hL1_2_5**hL1_2_5**

Entries	13618
Mean	161.3
Std Dev	103



hL1_2_6**hL1_2_6**

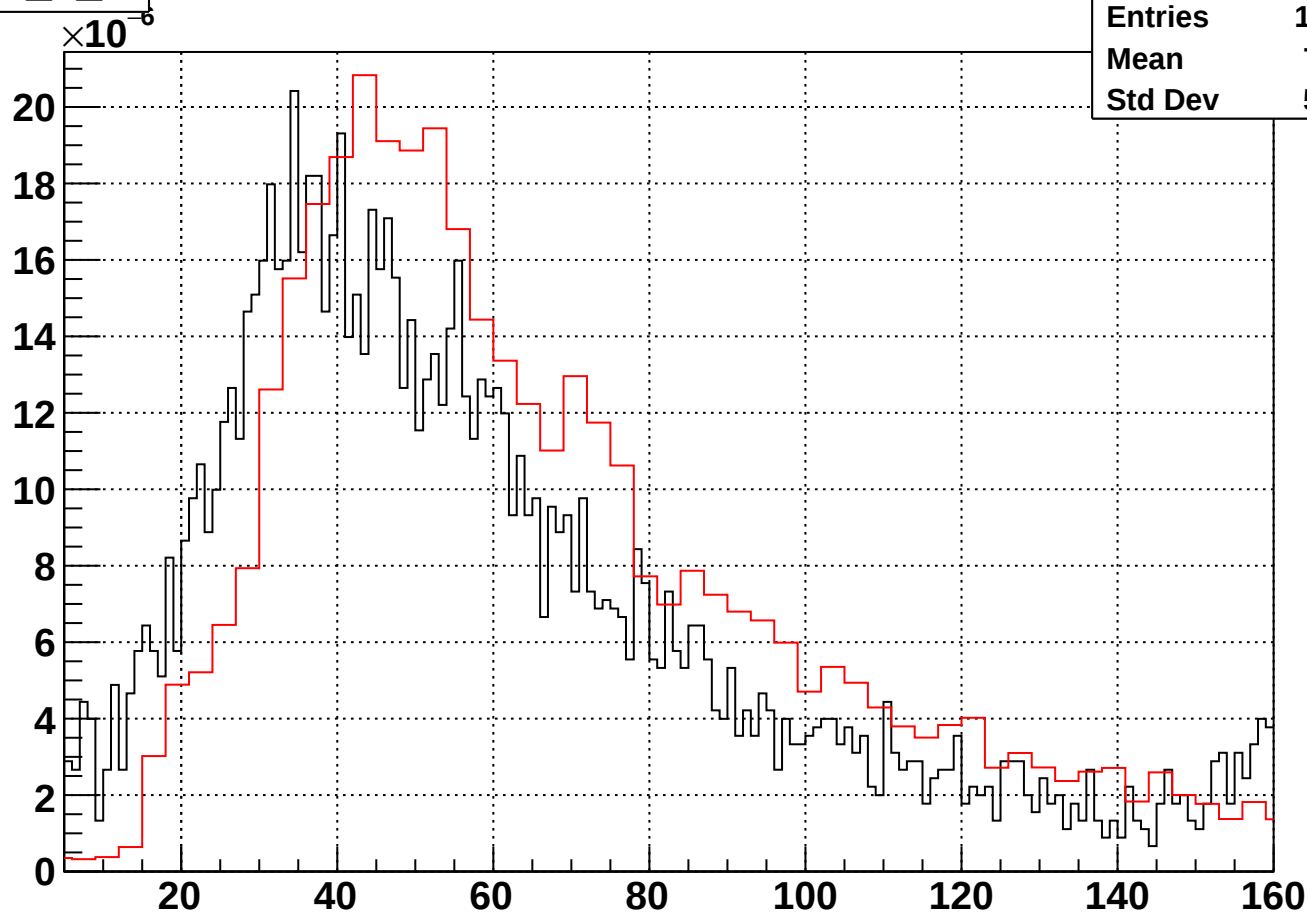
Entries	13418
Mean	101.3
Std Dev	74.61



hL1_2_7

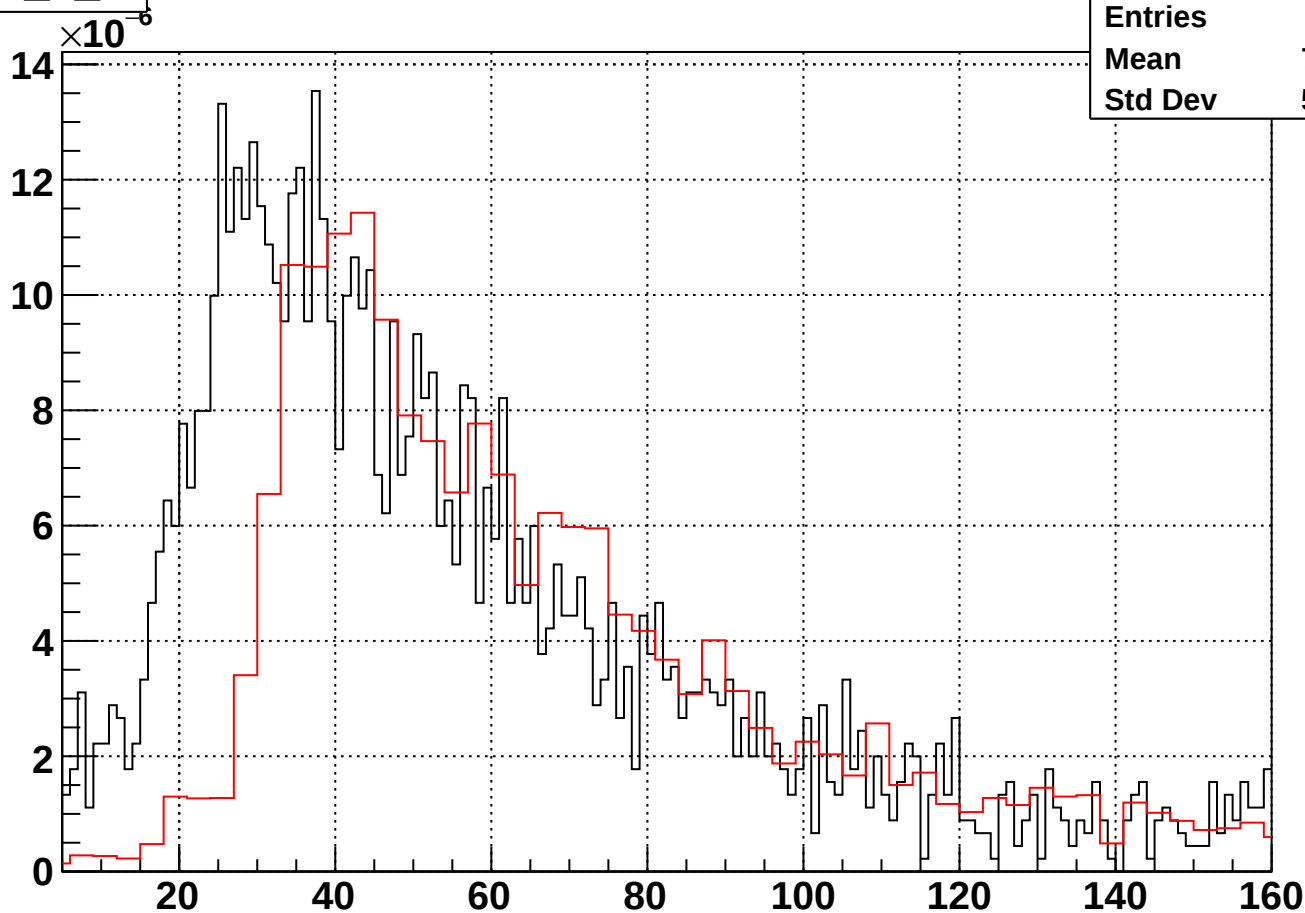
hL1_2_7

Entries	11520
Mean	77.37
Std Dev	55.06



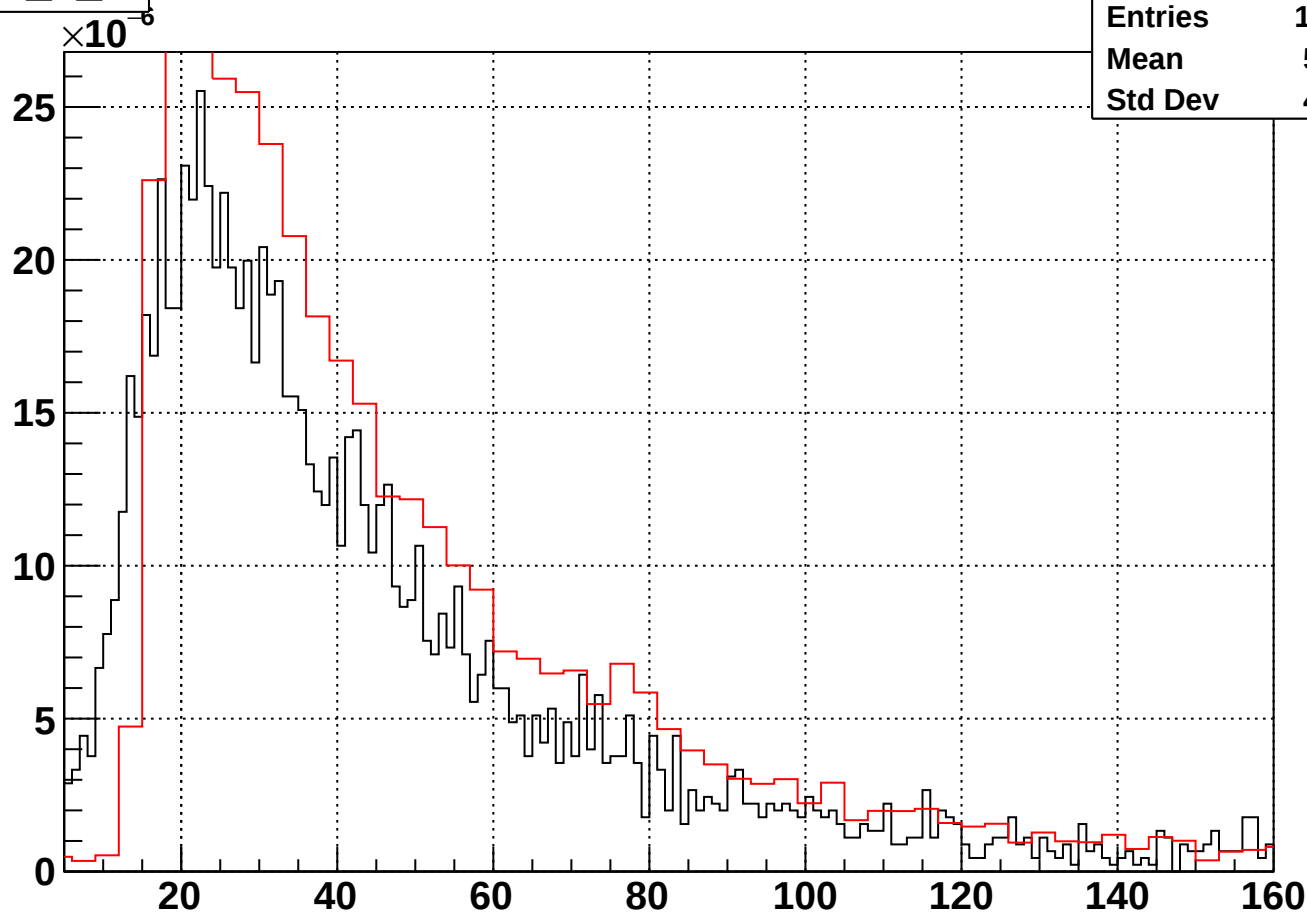
hL1_2_8**hL1_2_8**

Entries	5424
Mean	76.66
Std Dev	57.68



hL1_2_9**hL1_2_9**

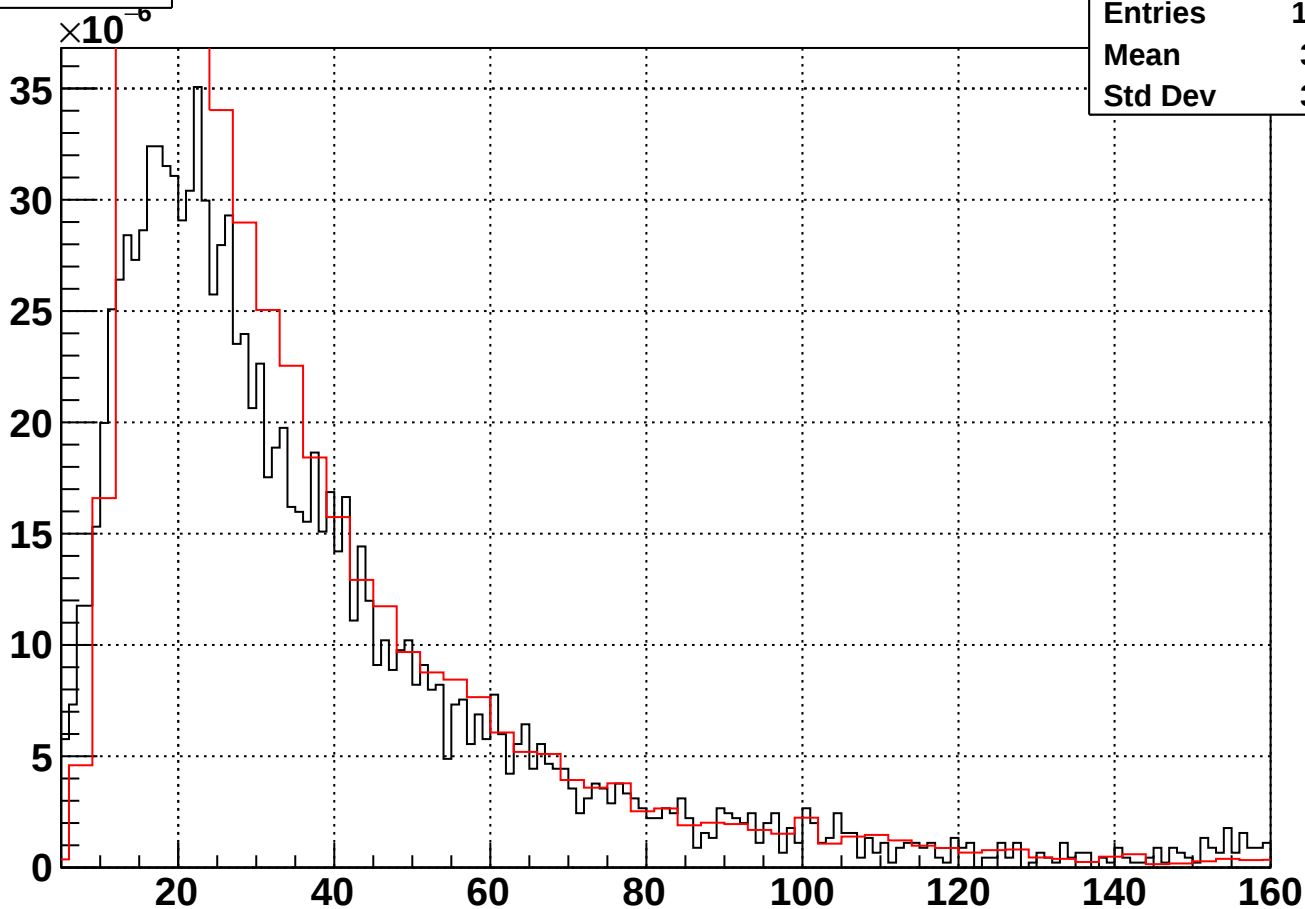
Entries	11263
Mean	53.28
Std Dev	48.62



hL1_2_10

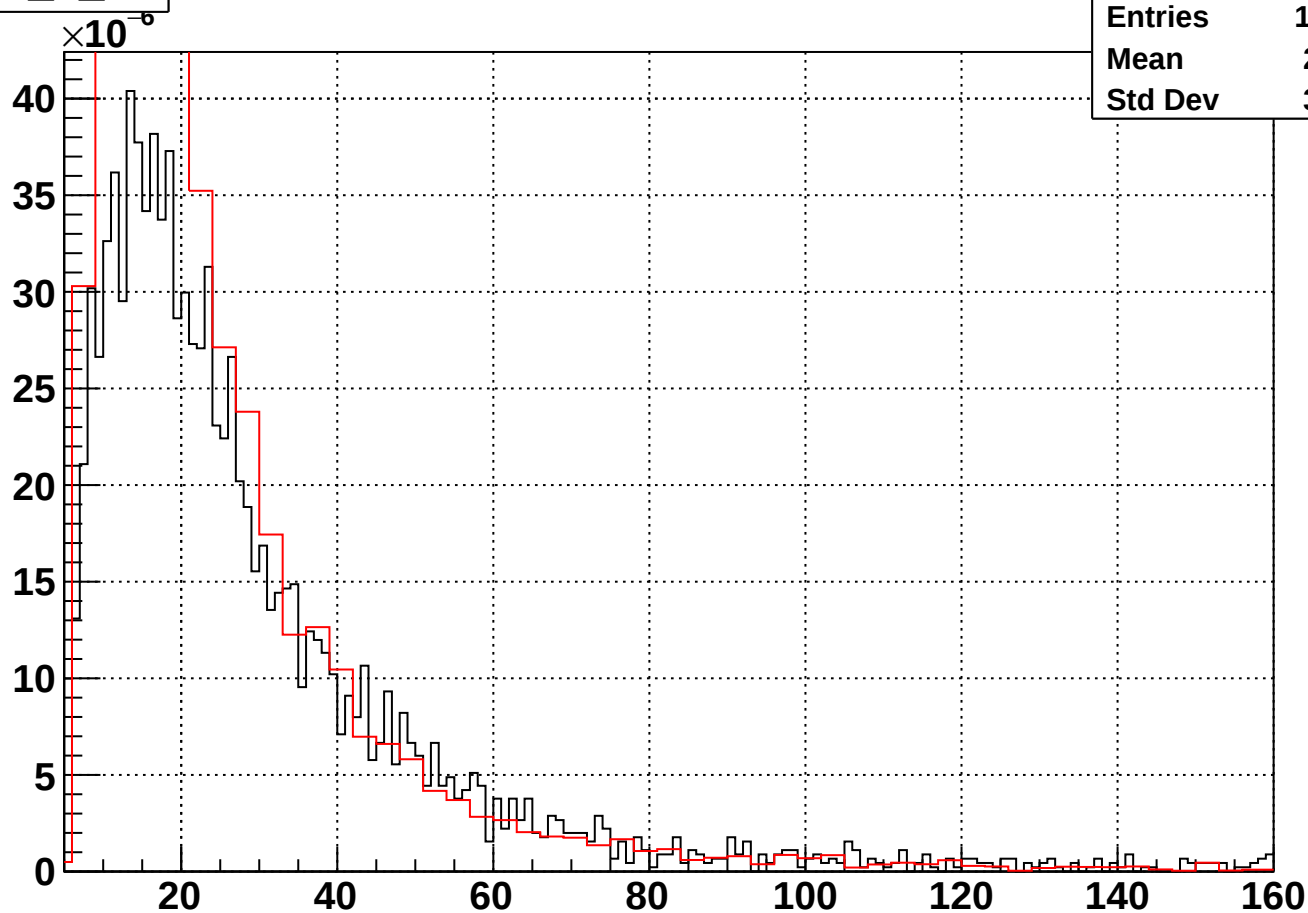
hL1_2_10

Entries	13087
Mean	38.08
Std Dev	37.57



hL1_2_11**hL1_2_11**

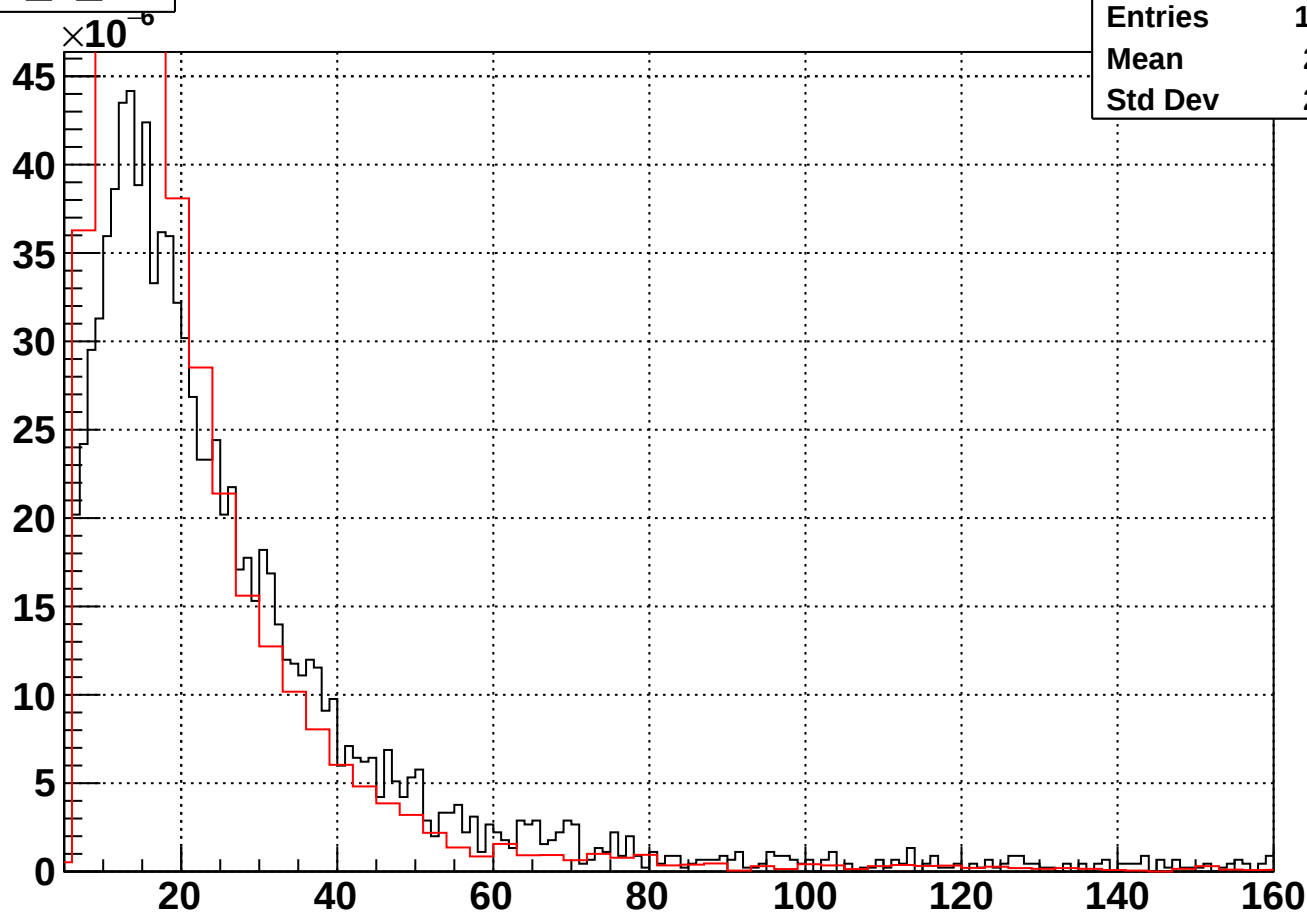
Entries	12994
Mean	26.47
Std Dev	31.75



hL1_2_12

hL1_2_12

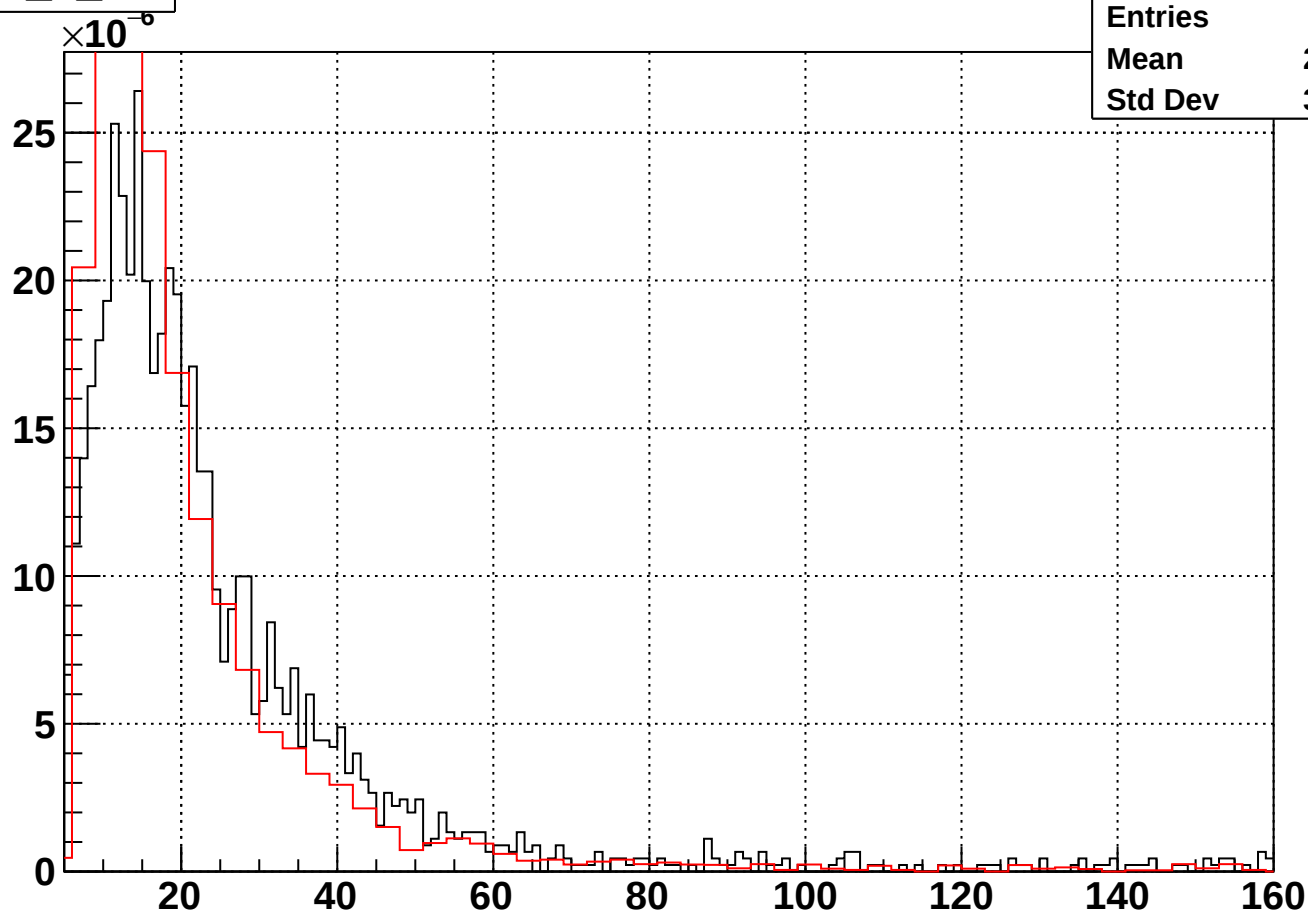
Entries	11219
Mean	22.63
Std Dev	26.44



hL1_2_13

hL1_2_13

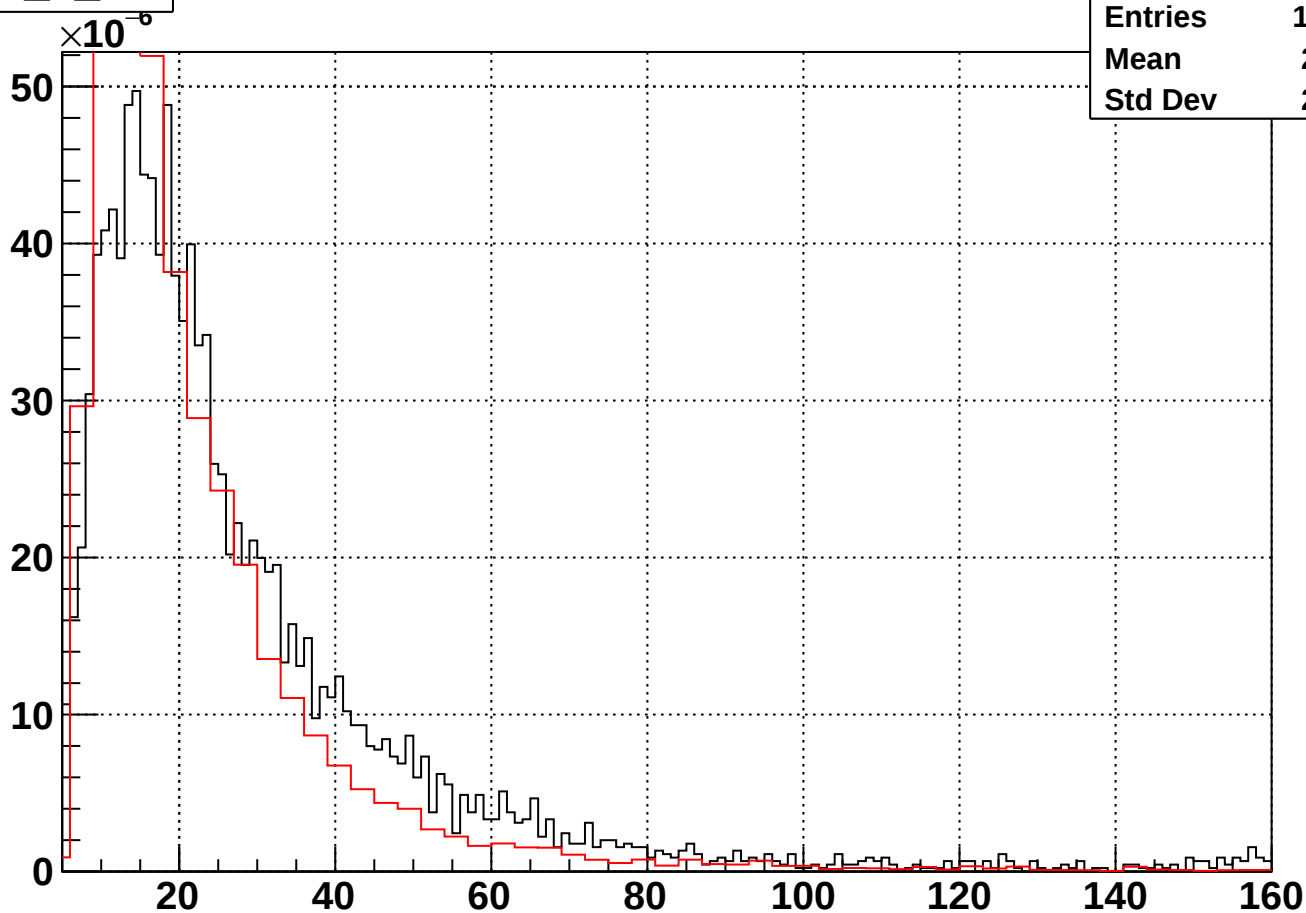
Entries	5436
Mean	22.55
Std Dev	31.55



hL1_2_14

hL1_2_14

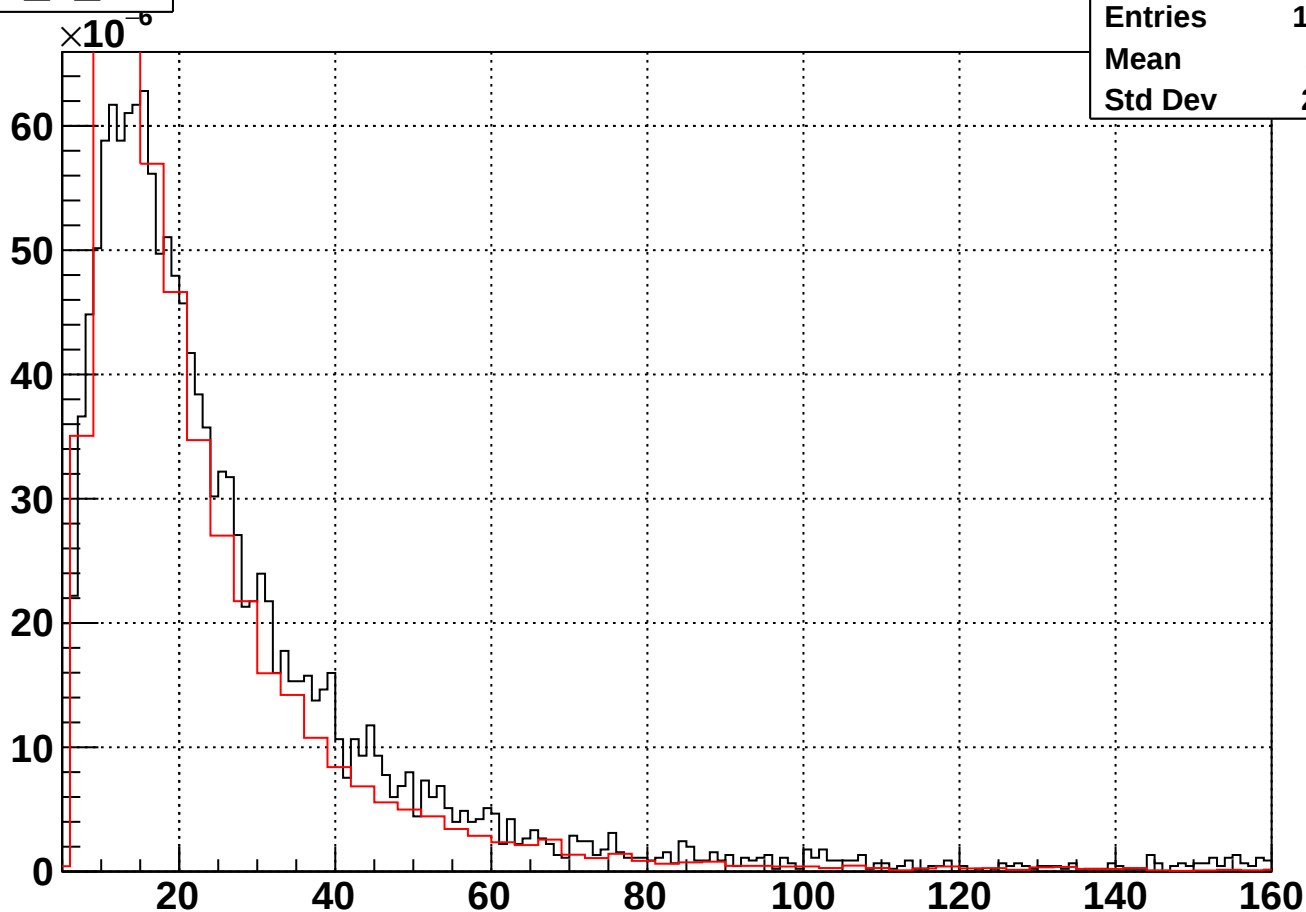
Entries	11563
Mean	23.79
Std Dev	28.89



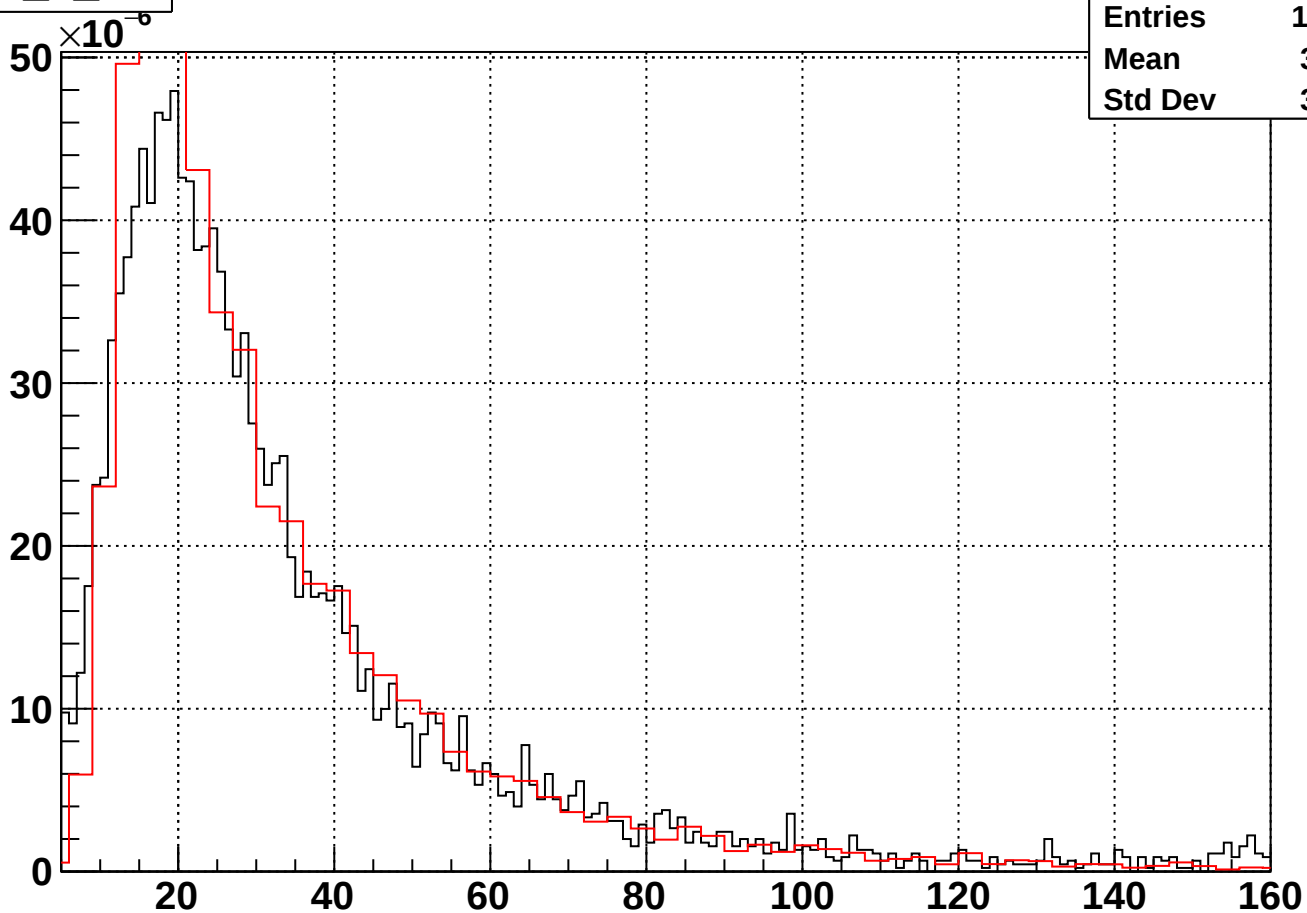
hL1_2_15

hL1_2_15

Entries	13164
Mean	24.71
Std Dev	27.48

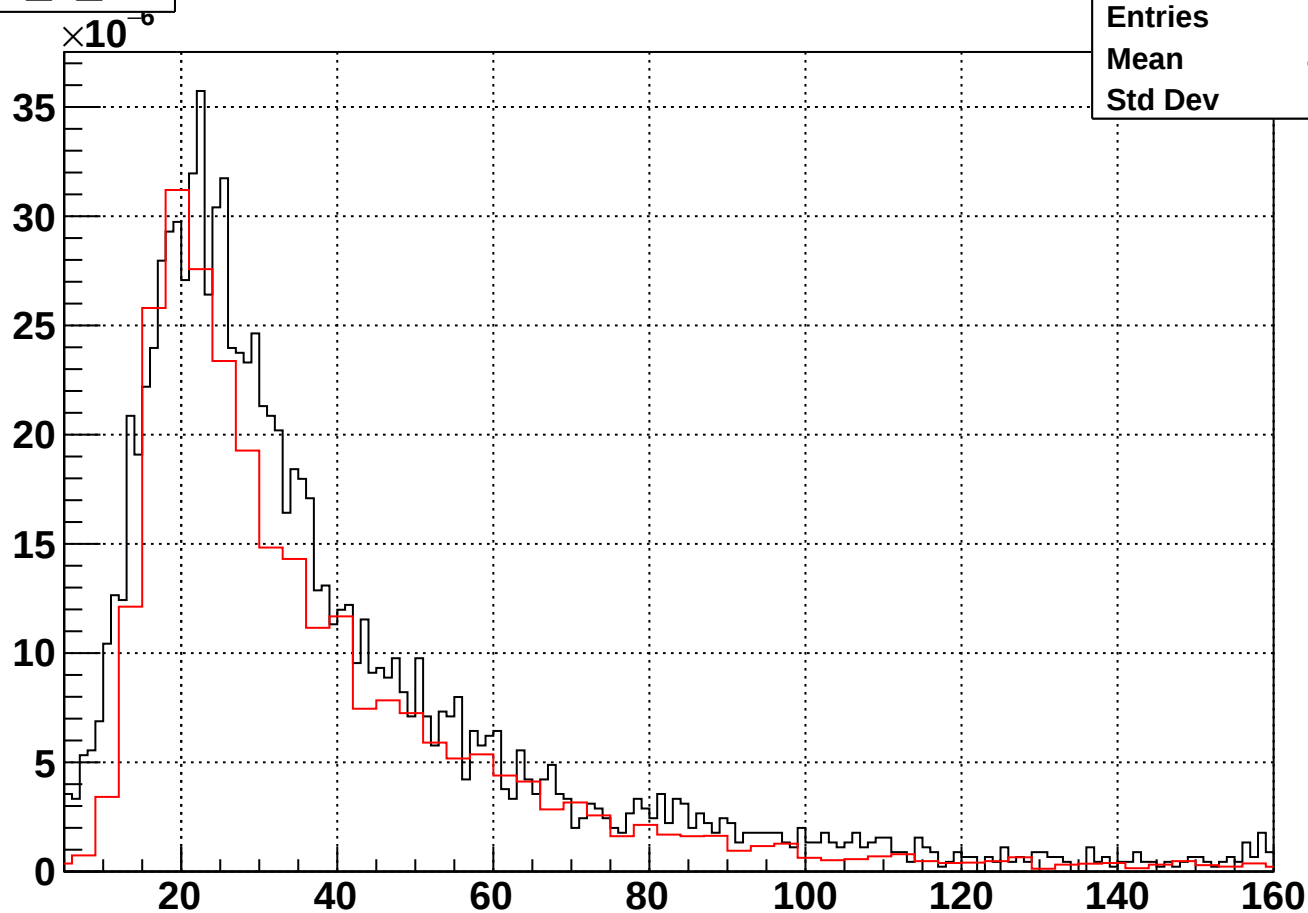


hL1_2_16



hL1_2_17**hL1_2_17**

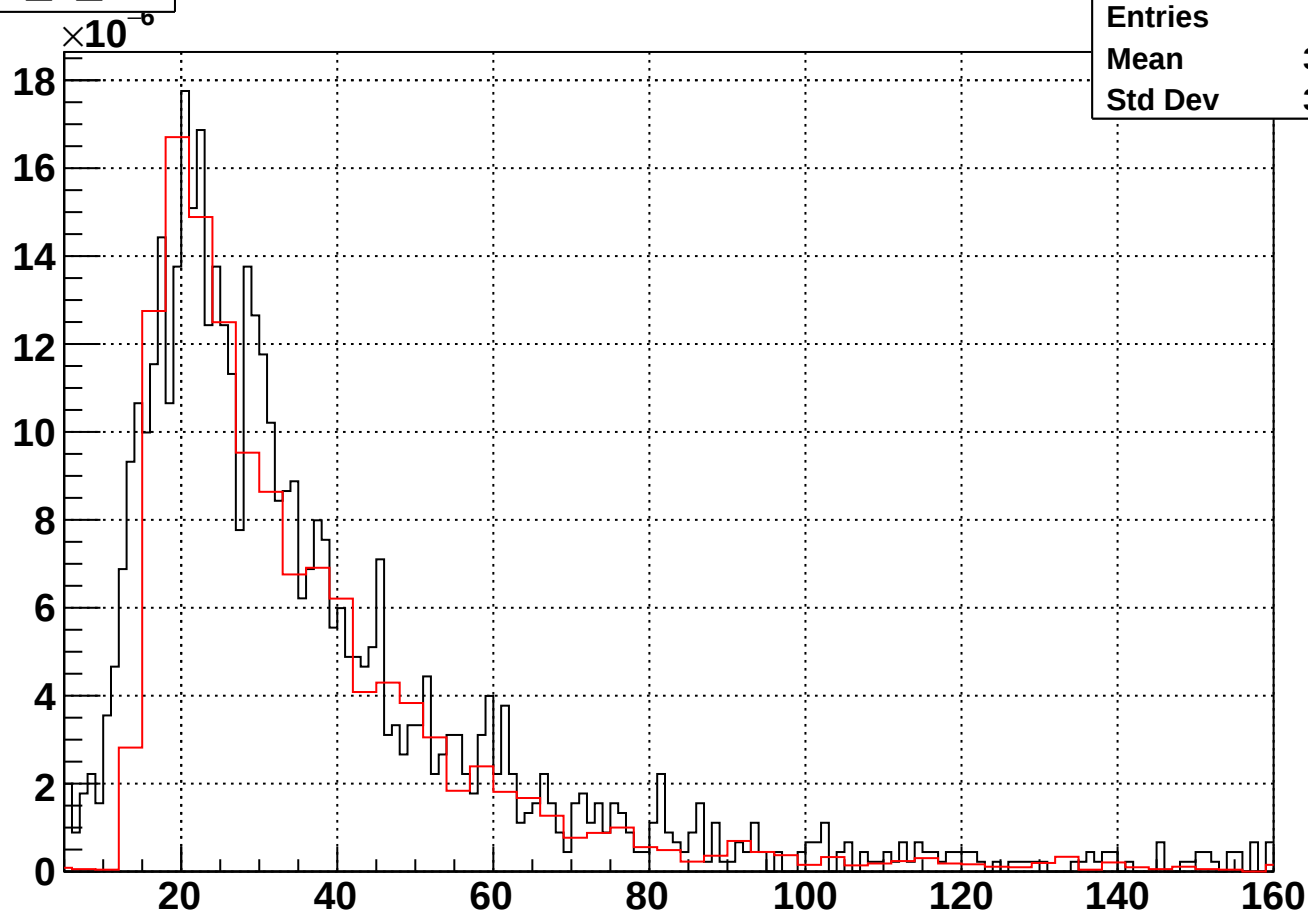
Entries	7777
Mean	40.41
Std Dev	38.2

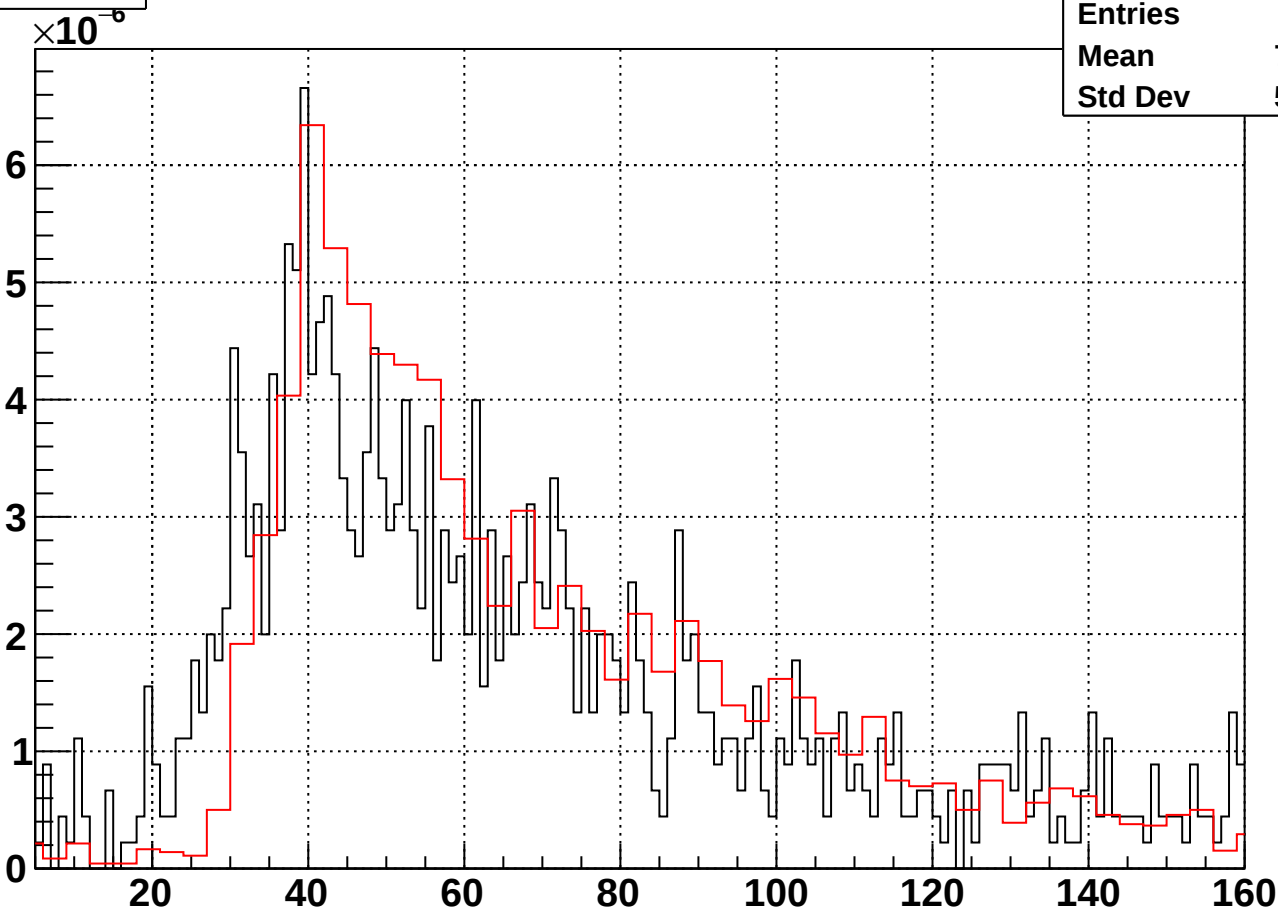


hL1_2_18

hL1_2_18

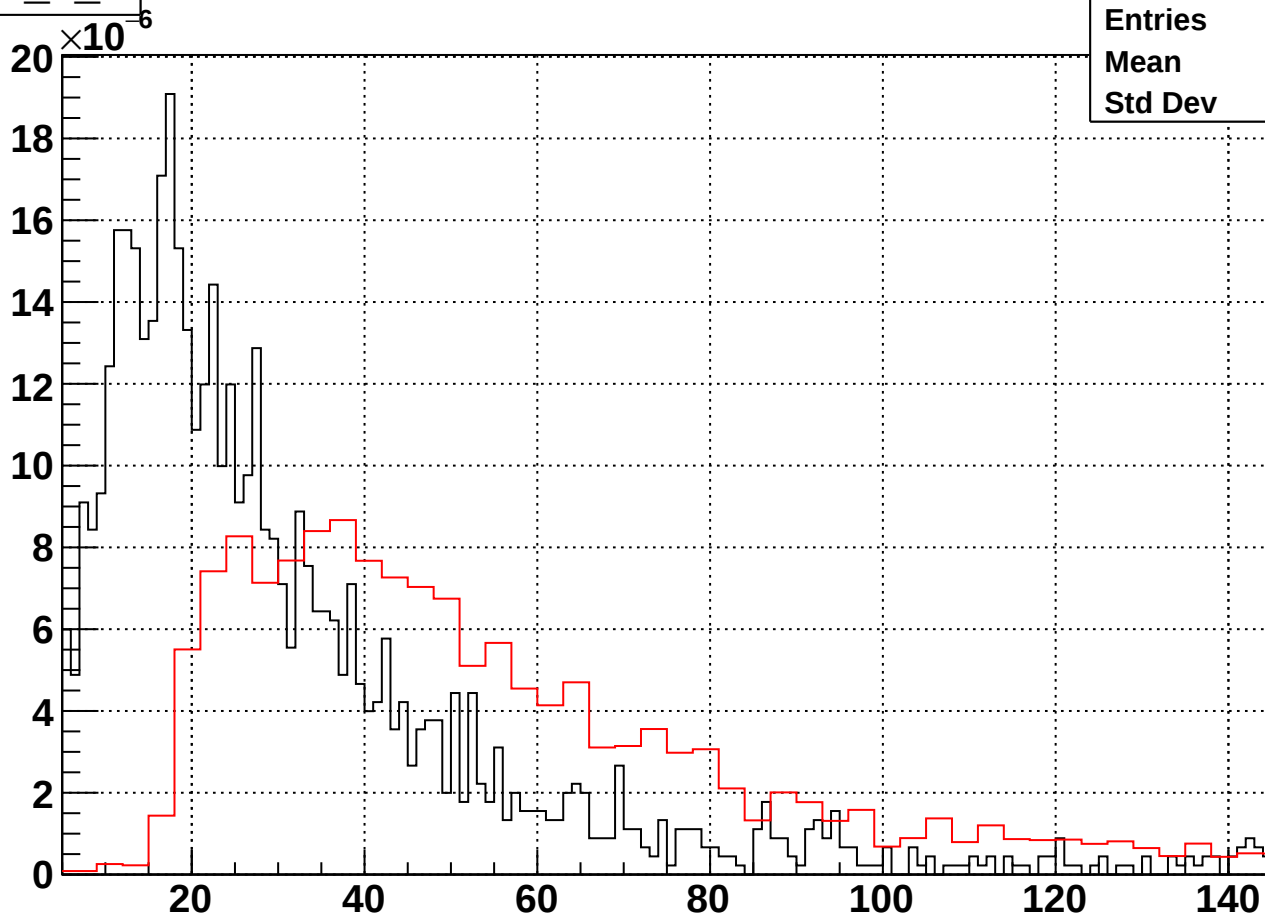
Entries	3702
Mean	39.25
Std Dev	38.09



hL1_2_19

hL1_3_1**hL1_3_1**

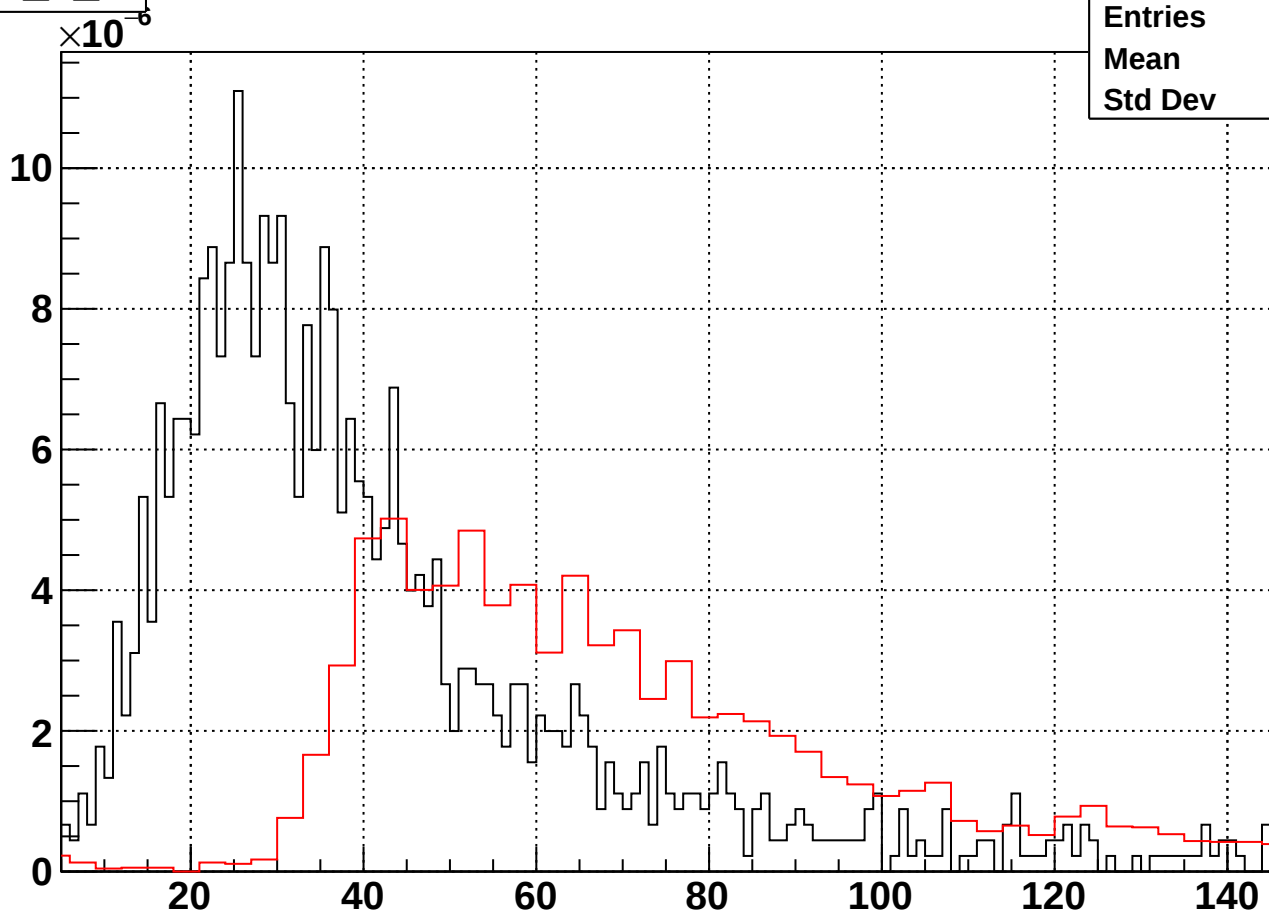
Entries	4284
Mean	62.68
Std Dev	51.29



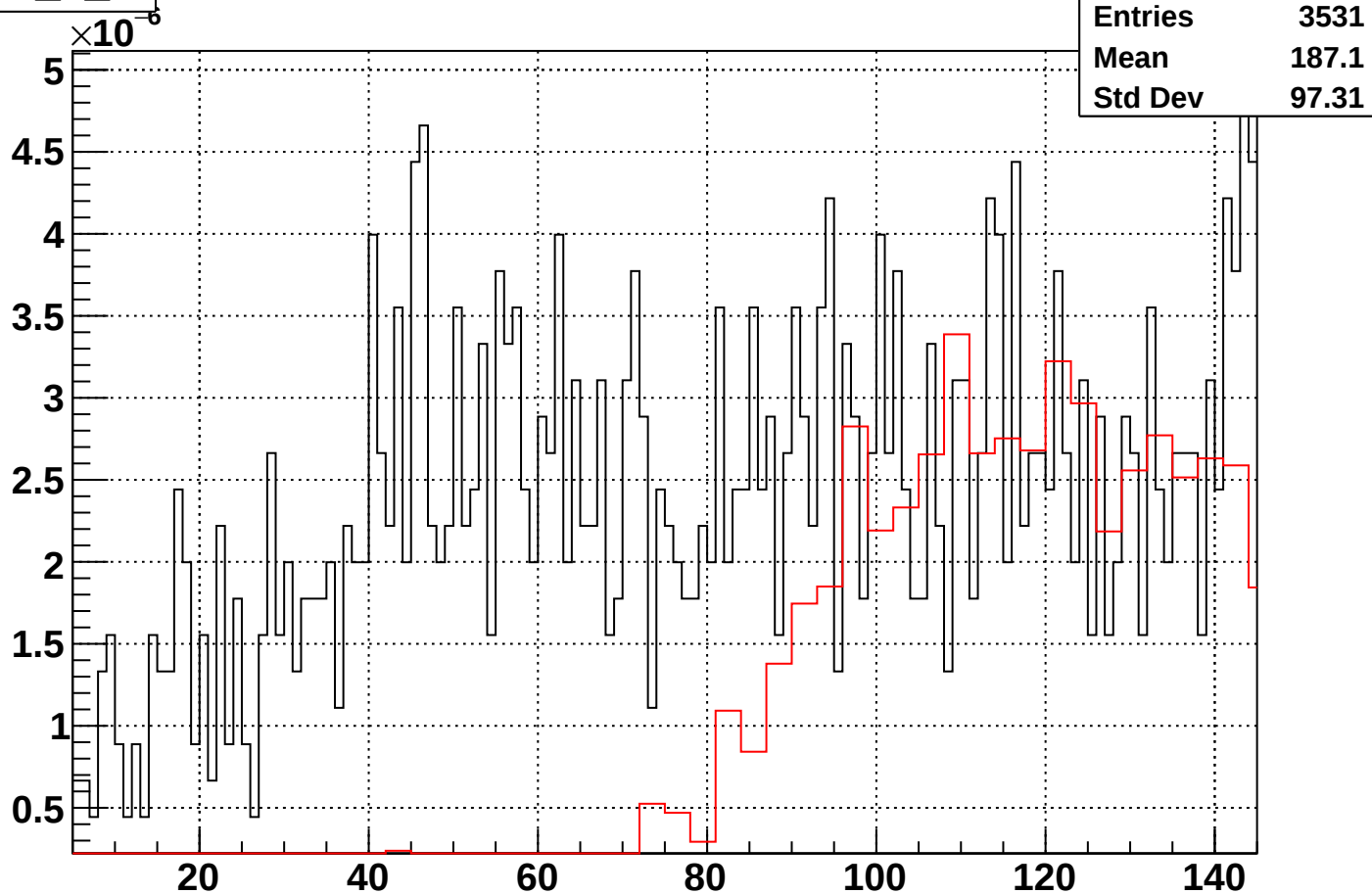
hL1_3_2

hL1_3_2

Entries	2485
Mean	83.12
Std Dev	55.94



hL1_3_3



hL1_3_4

$\times 10^{-6}$
10

hL1_3_4	
Entries	7405
Mean	212.1
Std Dev	110.7

8

6

4

2

0

20

40

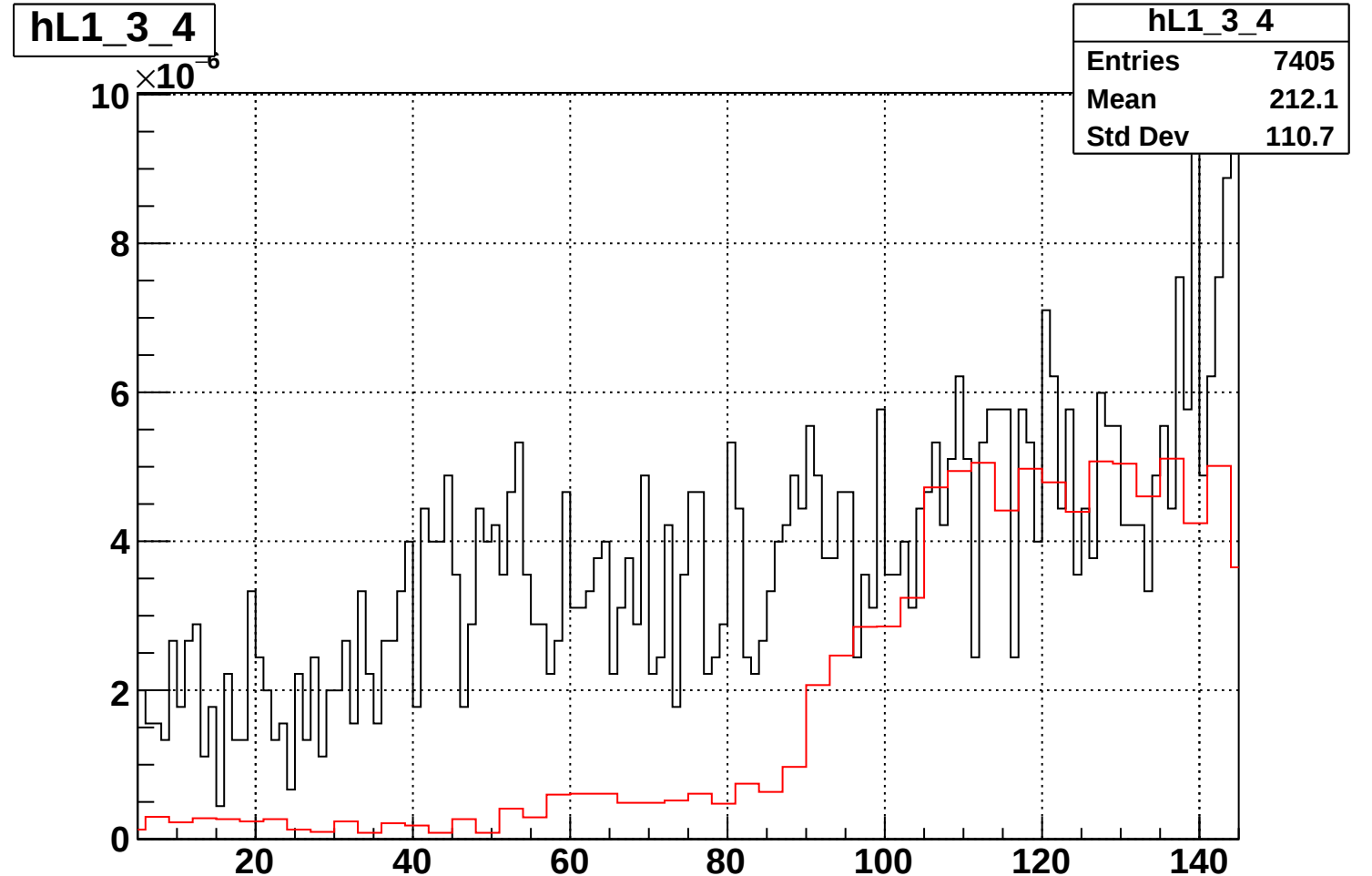
60

80

100

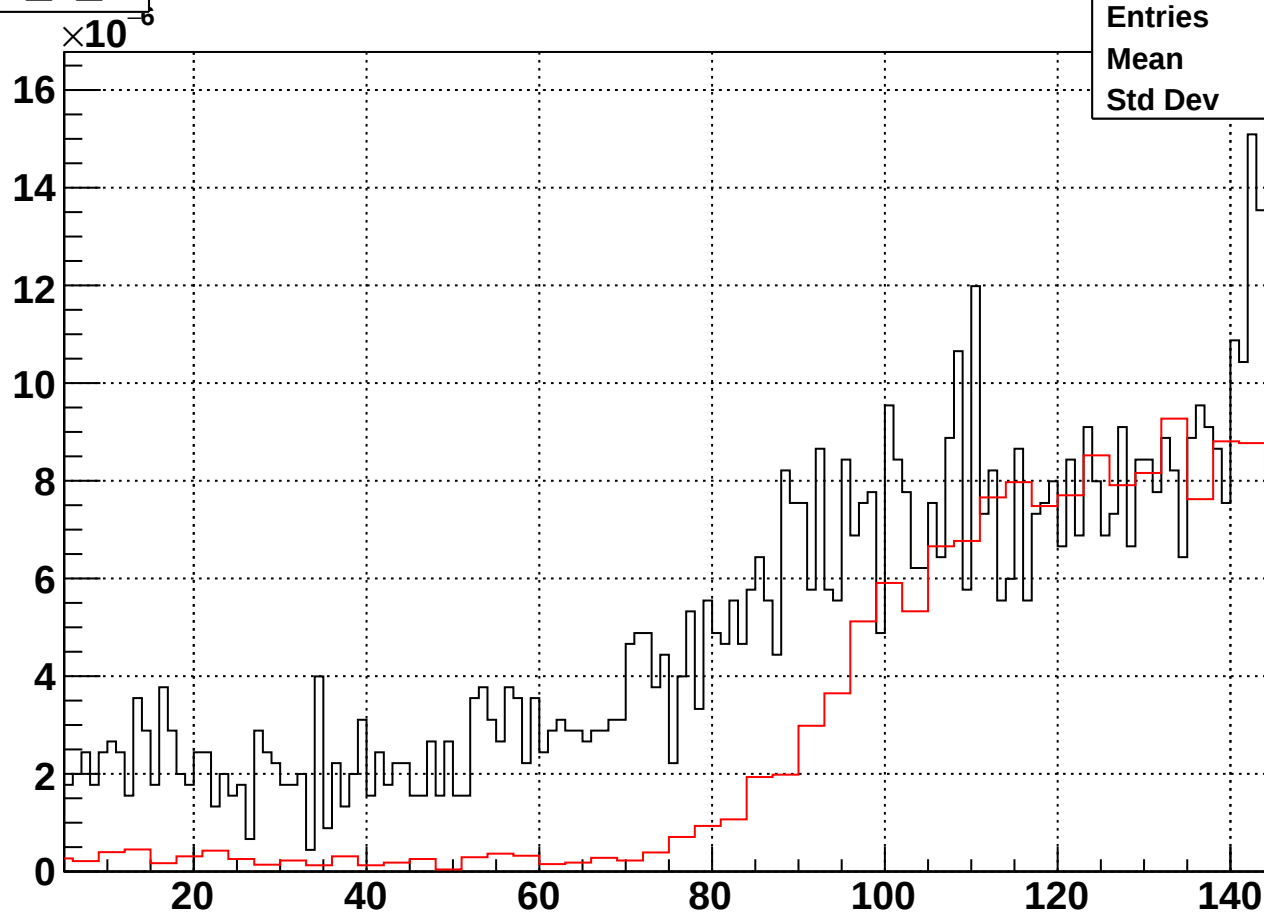
120

140



hL1_3_5**hL1_3_5**

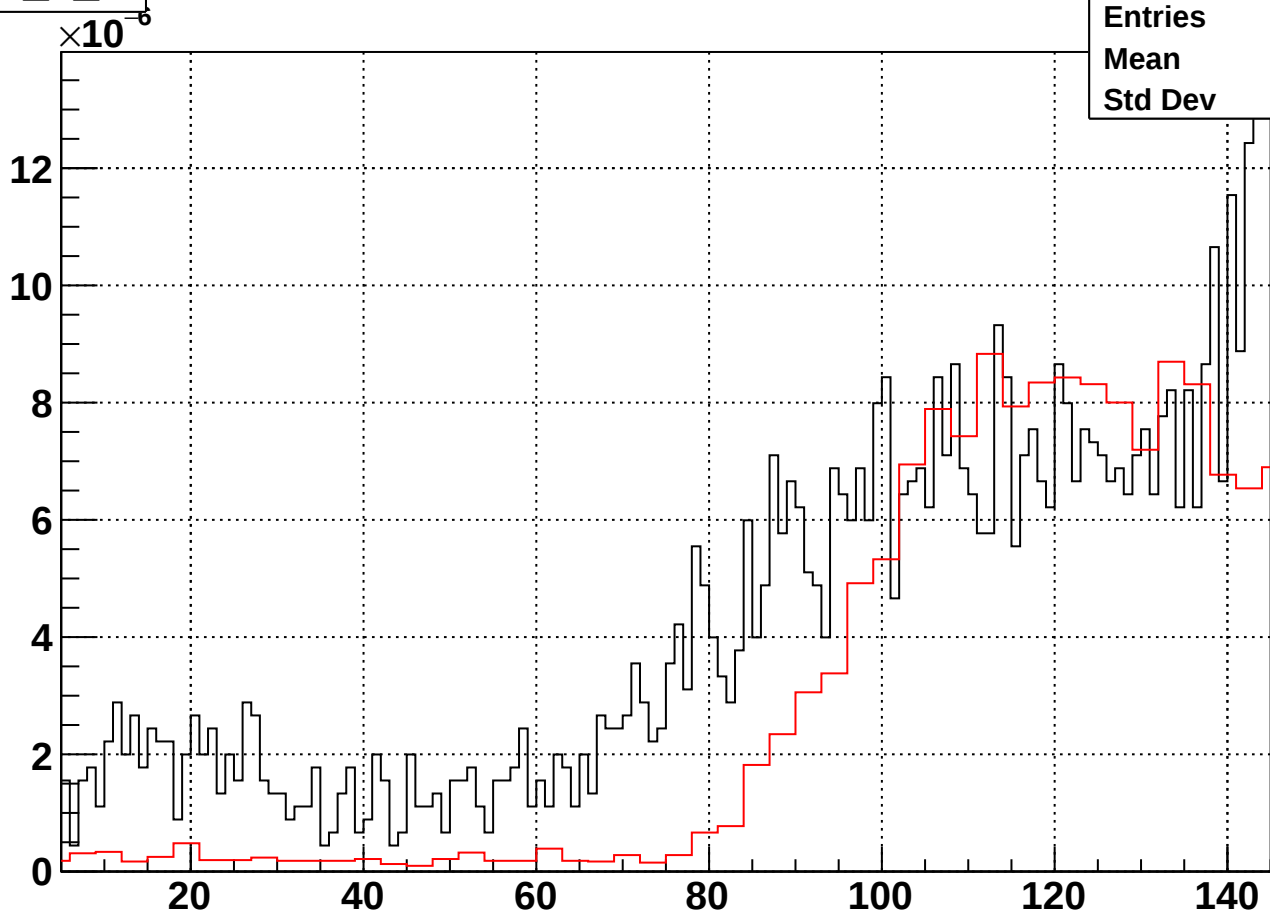
Entries	13312
Mean	222.1
Std Dev	113.8



hL1_3_6

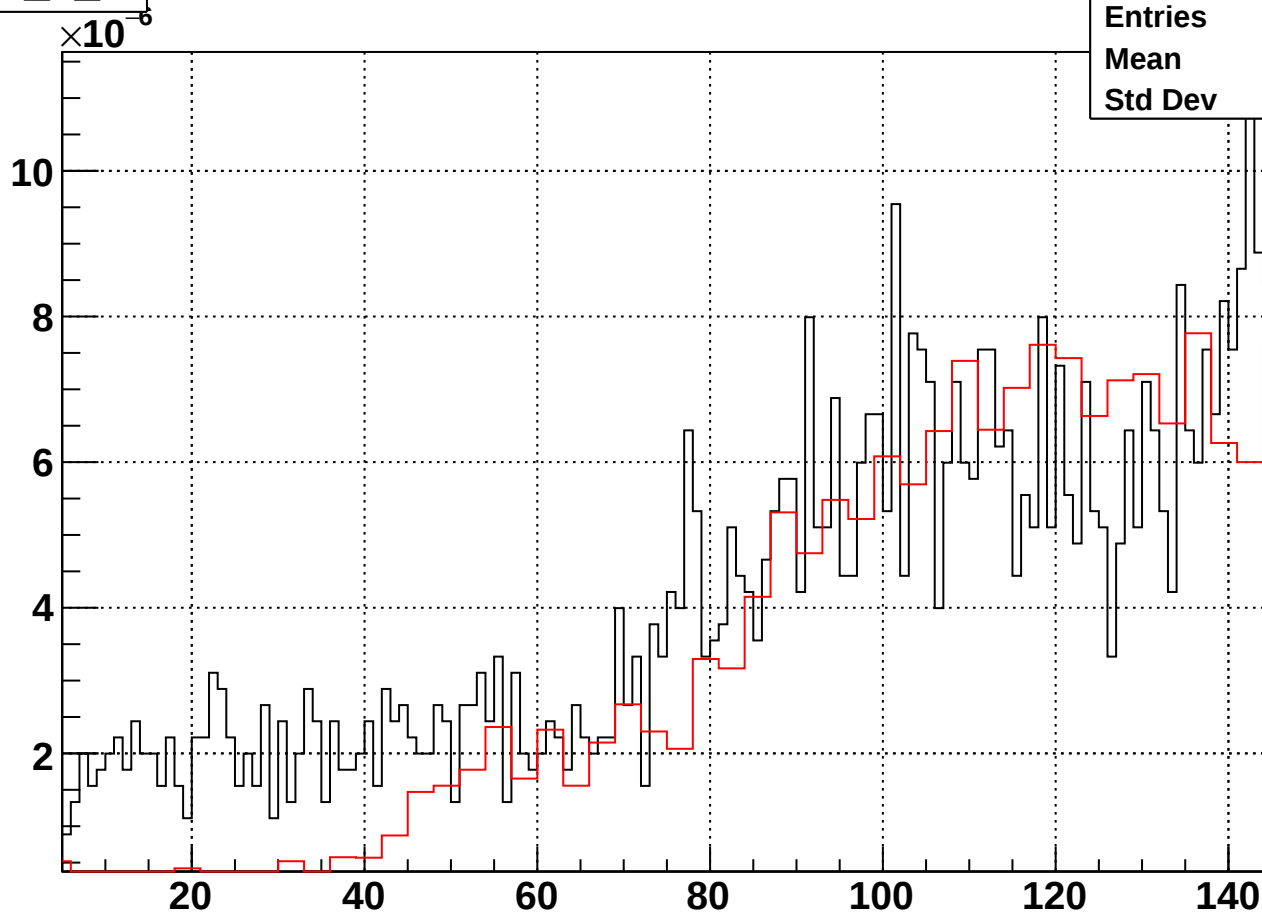
hL1_3_6

Entries	12870
Mean	218.9
Std Dev	112.6



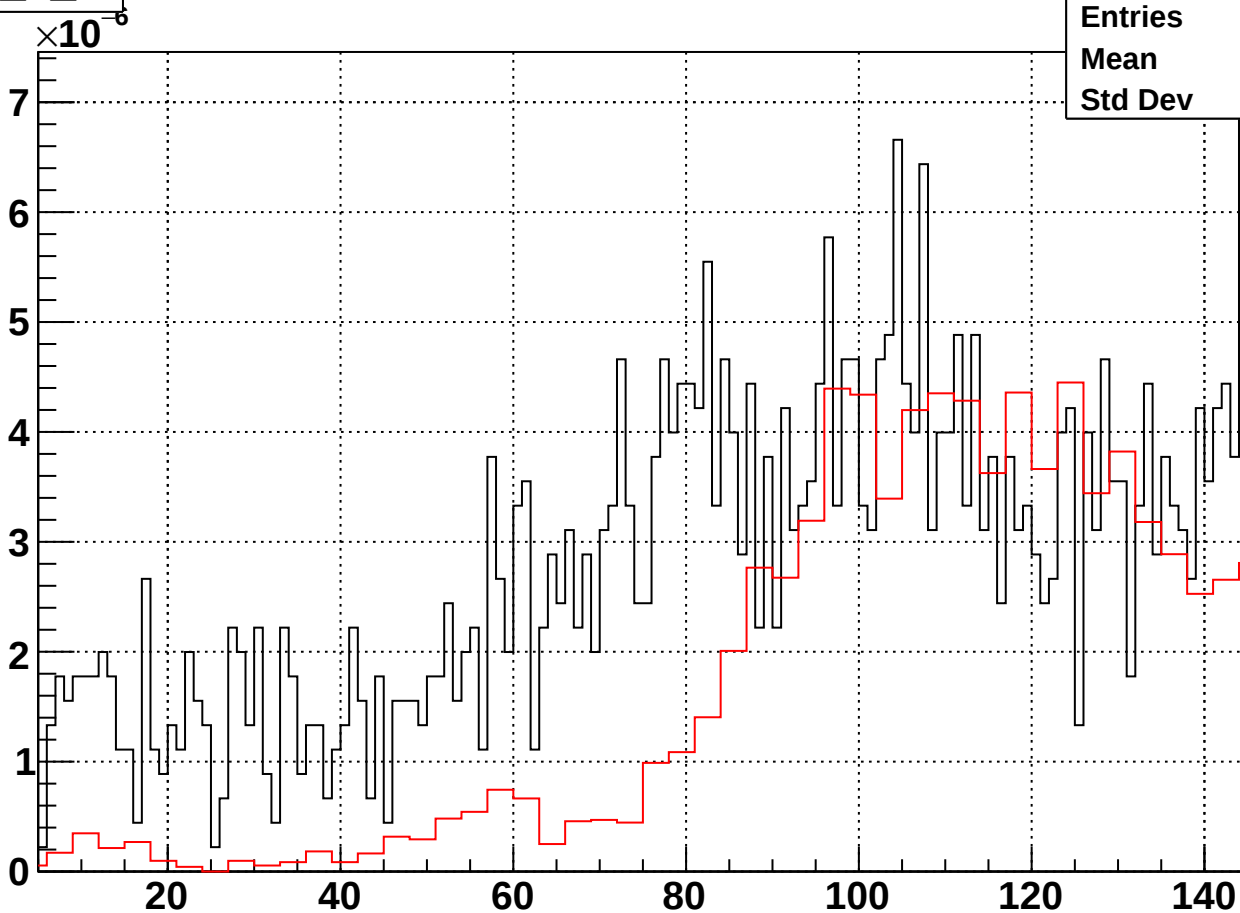
hL1_3_7

hL1_3_7	
Entries	11228
Mean	195.2
Std Dev	109.3



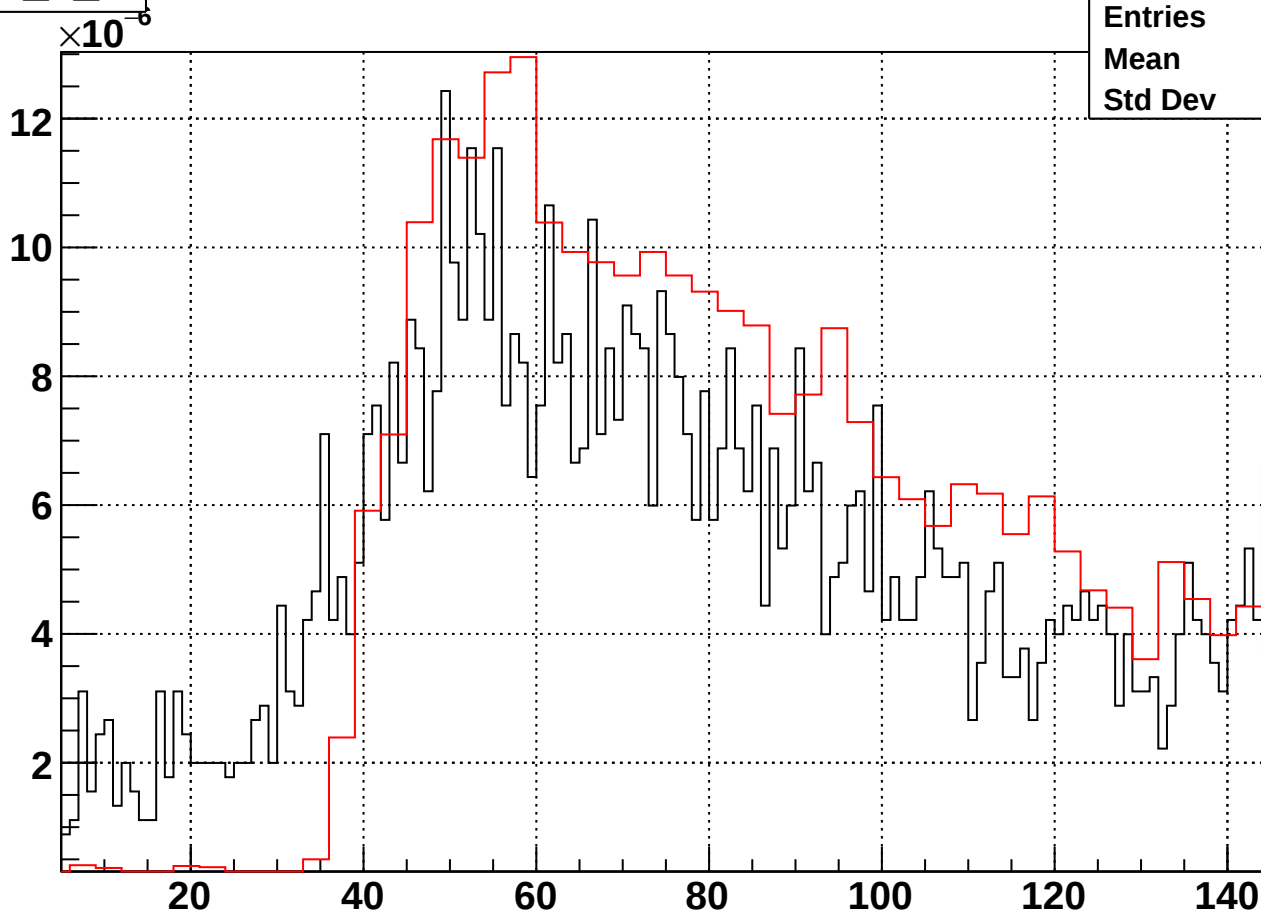
hL1_3_8

hL1_3_8	
Entries	5293
Mean	188.6
Std Dev	102.2



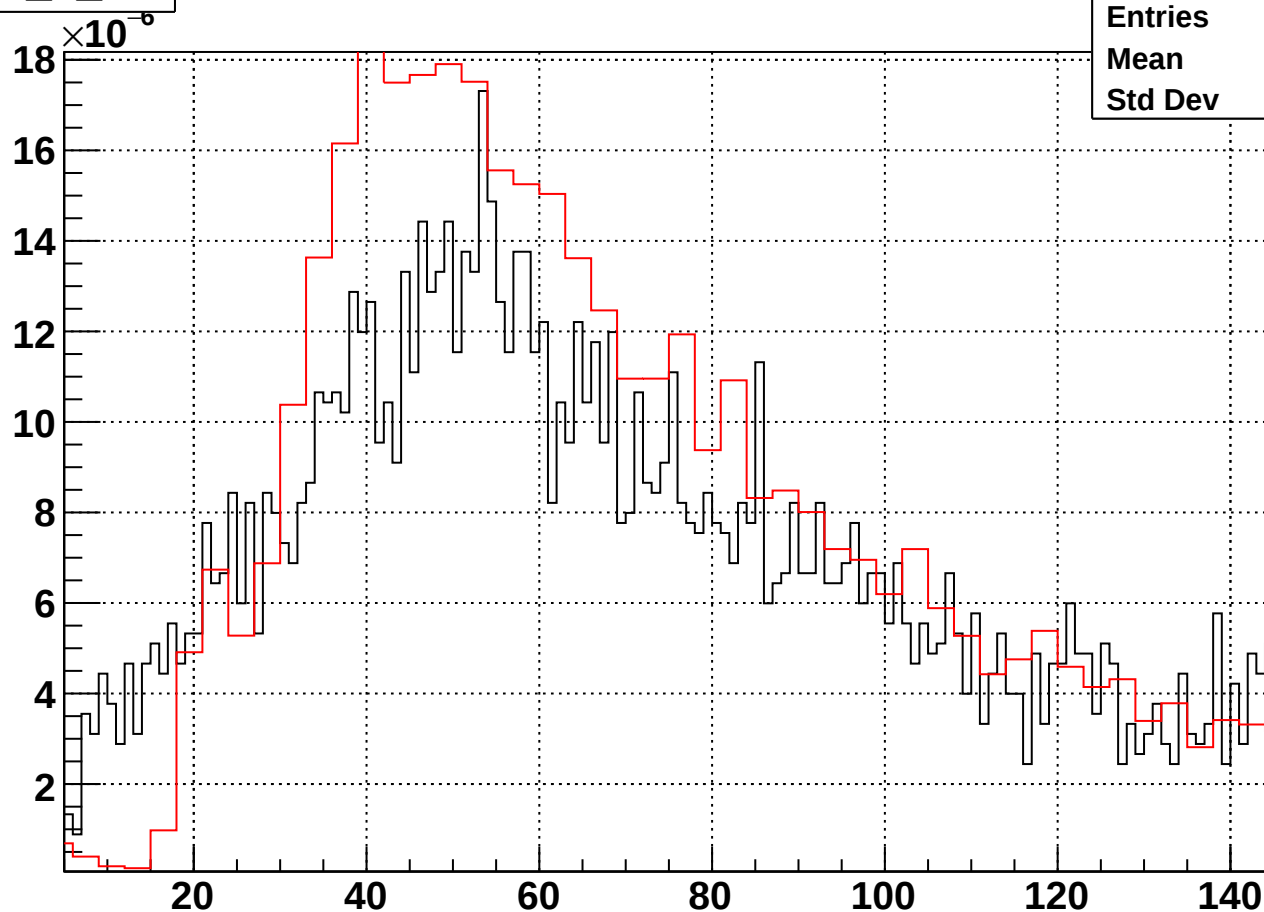
hL1_3_9**hL1_3_9**

Entries	11138
Mean	131.4
Std Dev	93.96



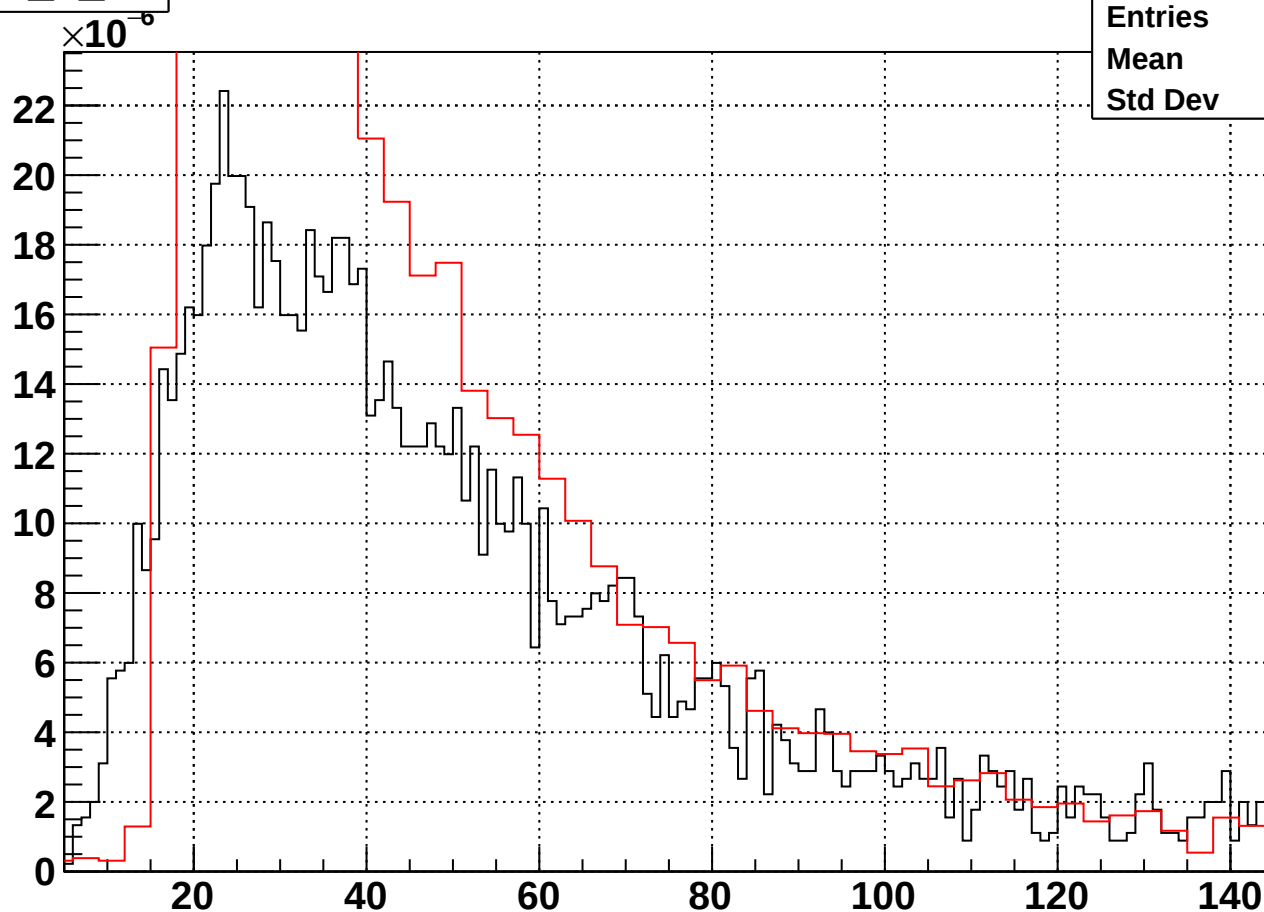
hL1_3_10

hL1_3_10	
Entries	13048
Mean	91.88
Std Dev	71.07



hL1_3_11**hL1_3_11**

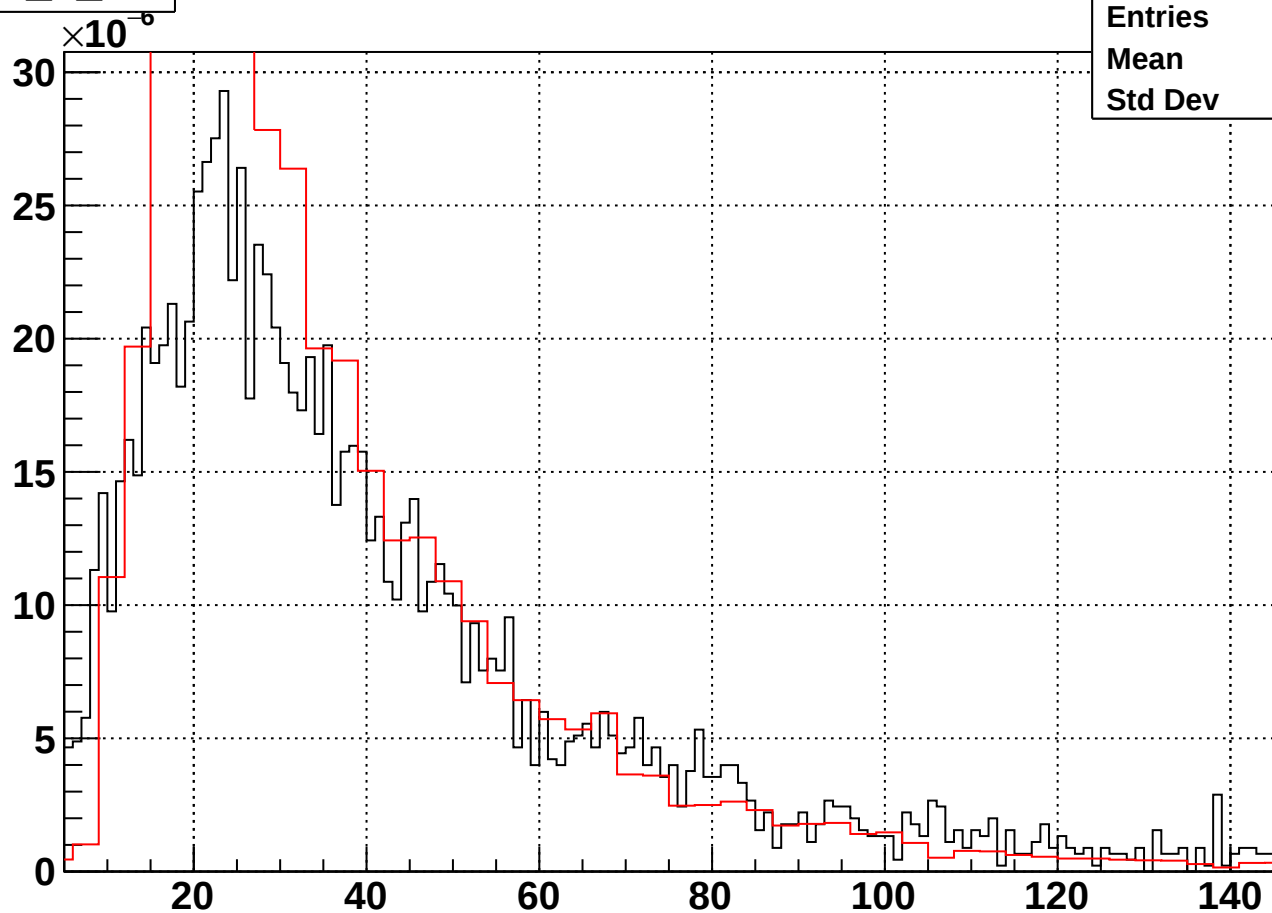
Entries	12982
Mean	55.4
Std Dev	47.74



hL1_3_12

hL1_3_12

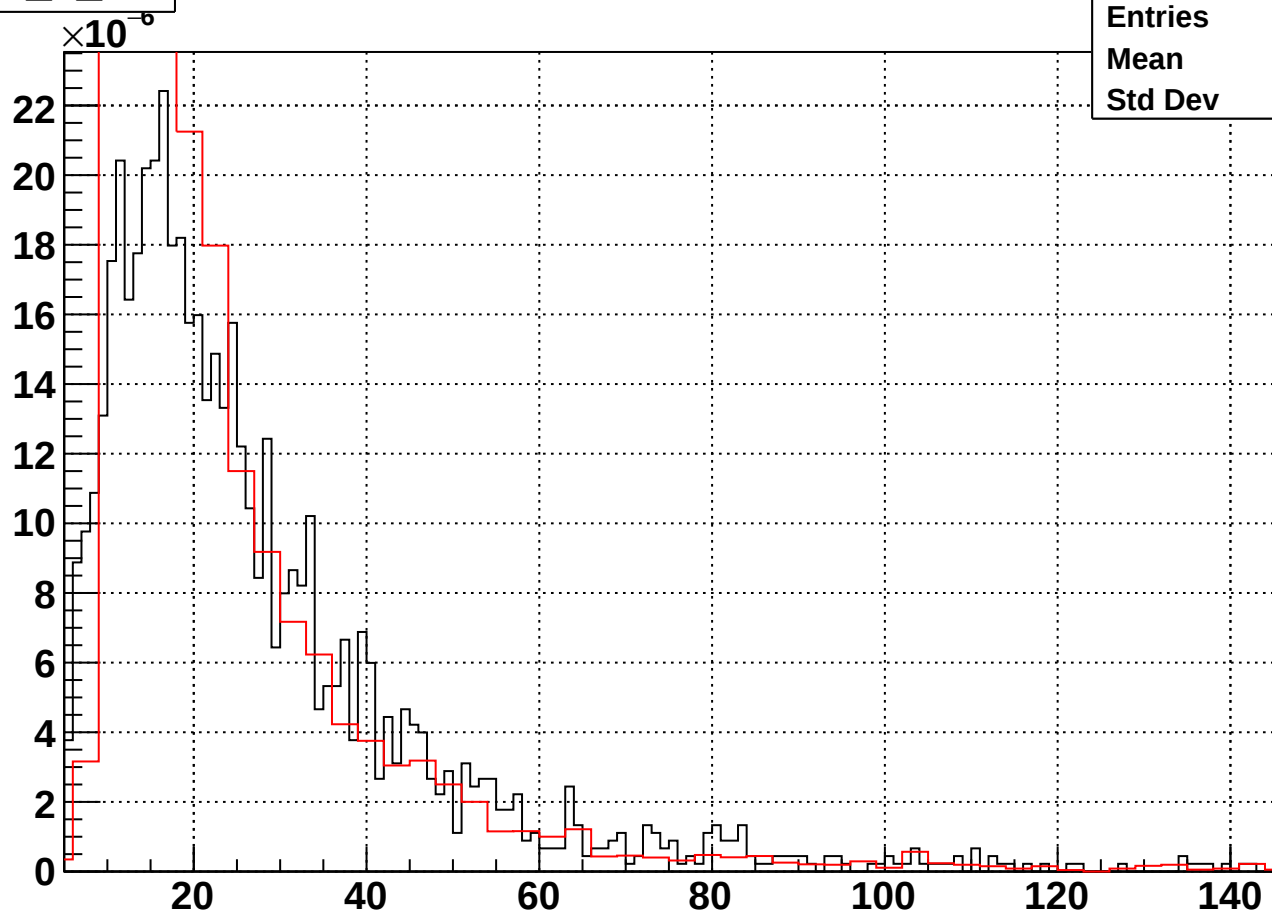
Entries	11220
Mean	39.09
Std Dev	34.71



hL1_3_13

hL1_3_13

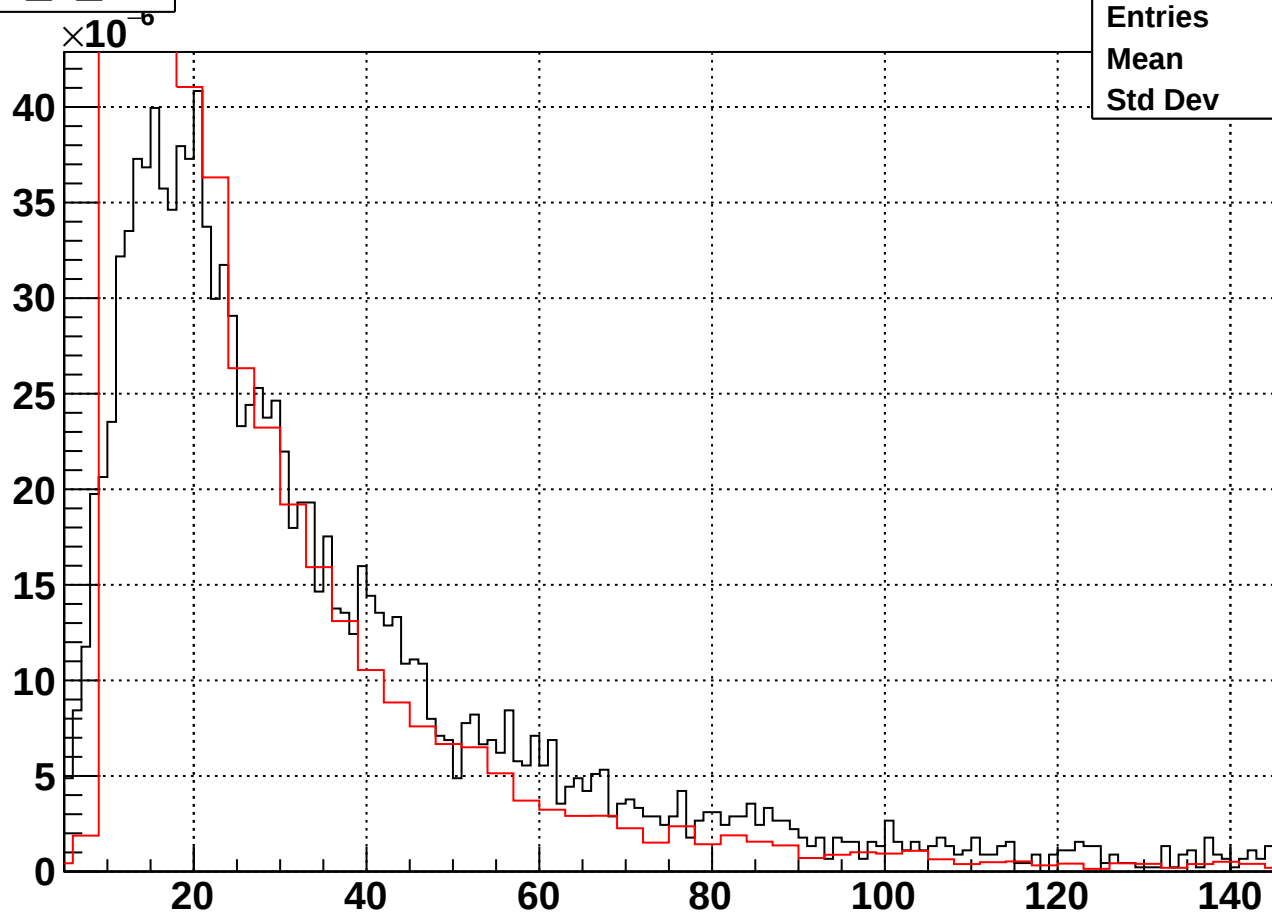
Entries	5437
Mean	26.85
Std Dev	30.47



hL1_3_14

hL1_3_14

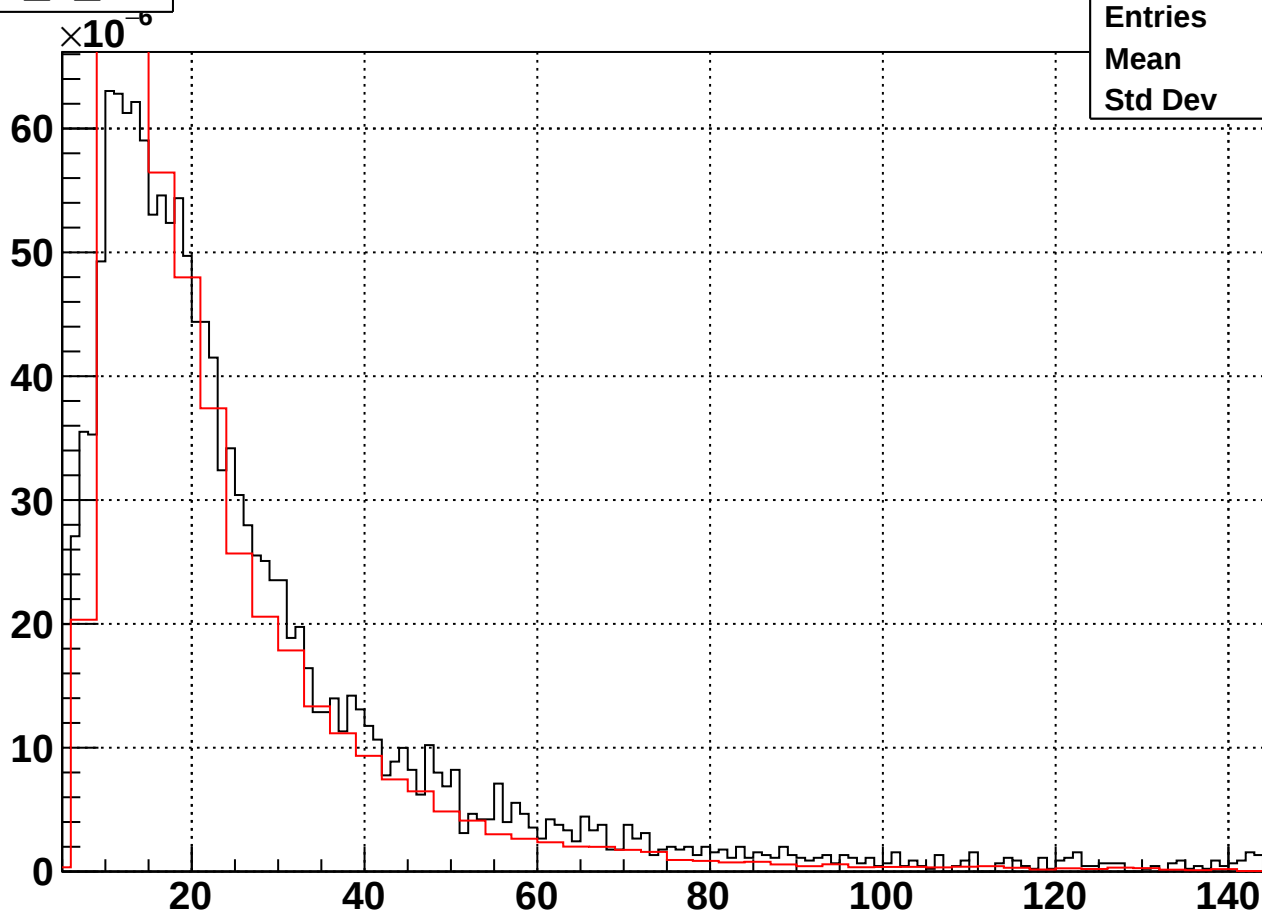
Entries	11557
Mean	32.16
Std Dev	37.8



hL1_3_15

hL1_3_15

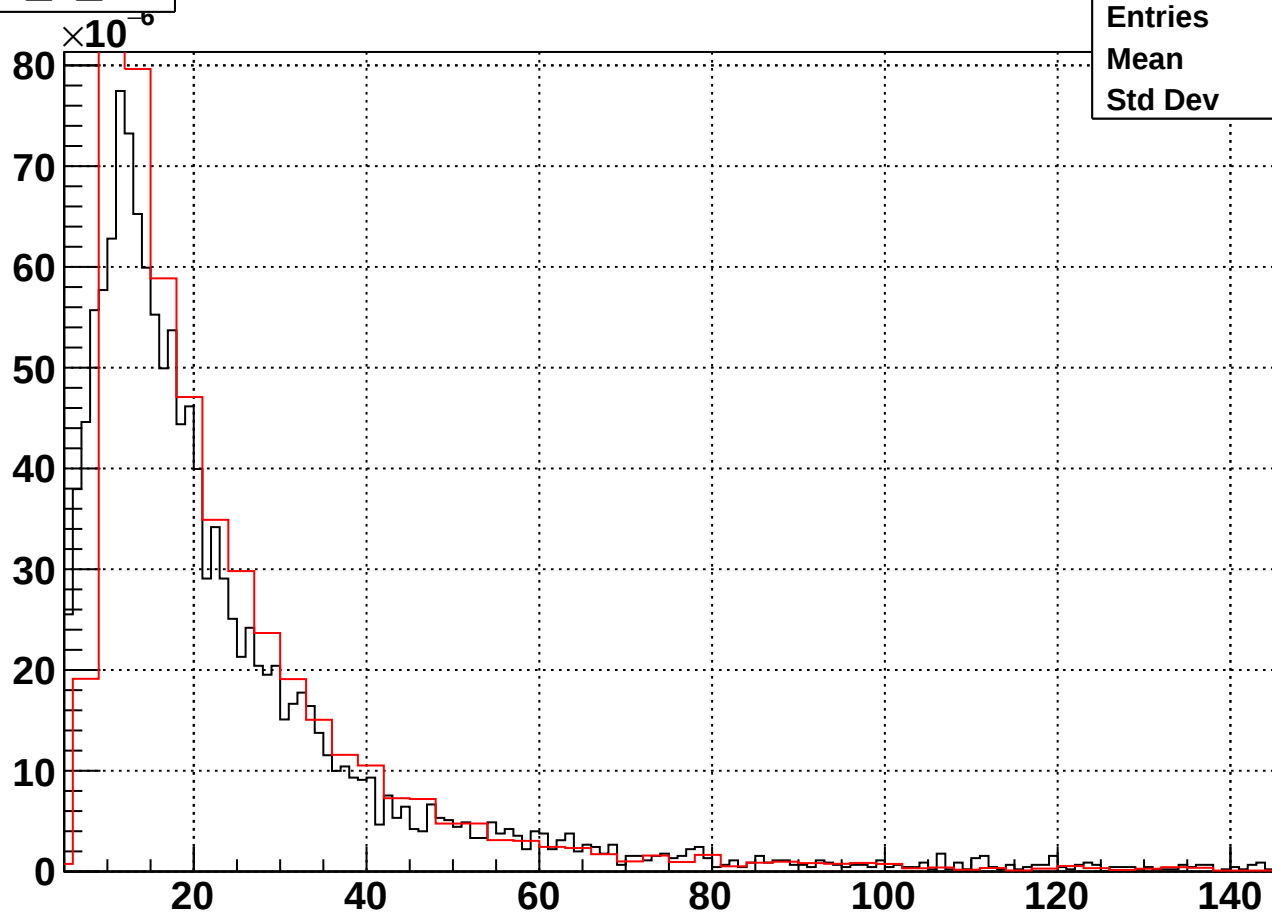
Entries	13165
Mean	25.62
Std Dev	30.34



hL1_3_16

hL1_3_16

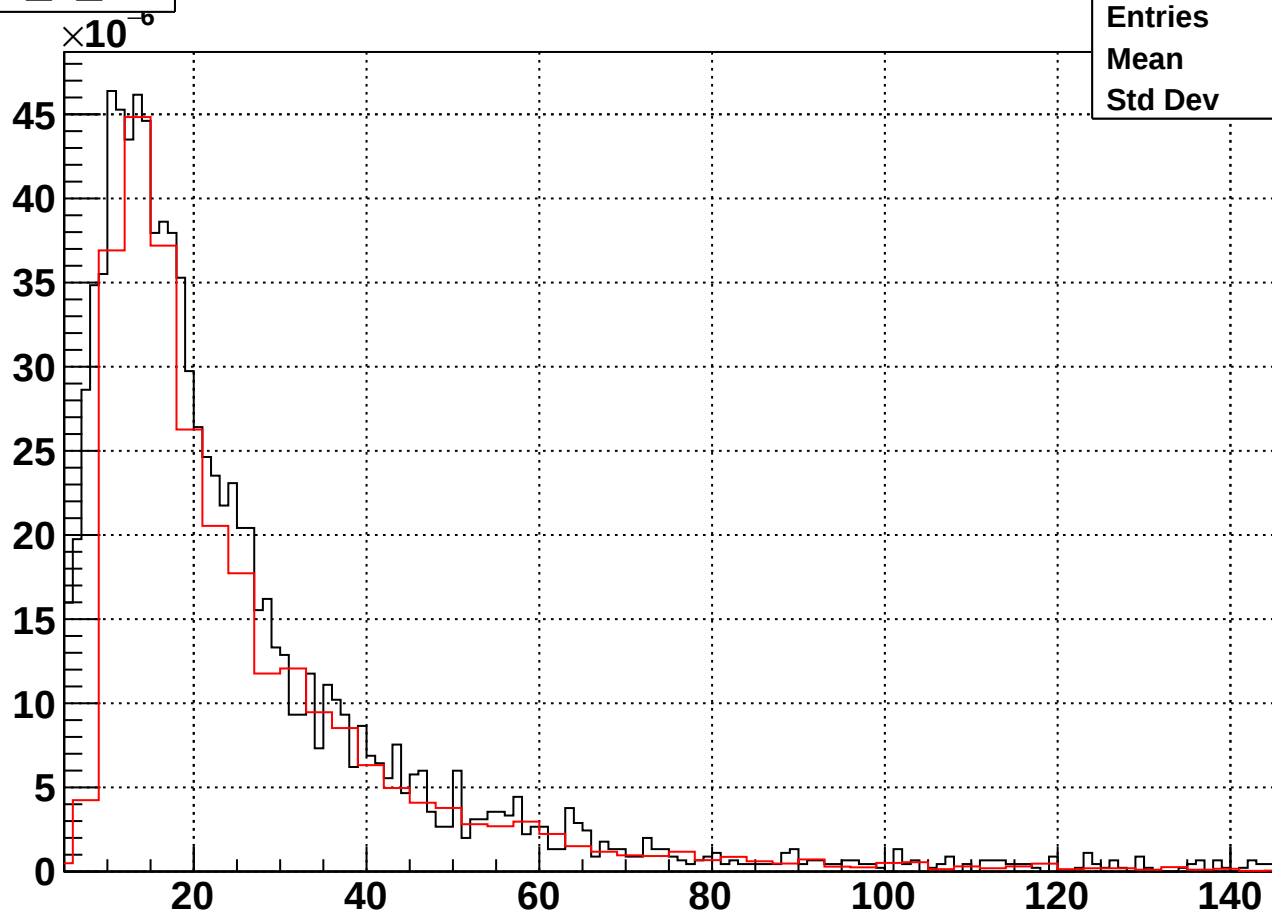
Entries	13628
Mean	26.11
Std Dev	32.77



hL1_3_17

hL1_3_17

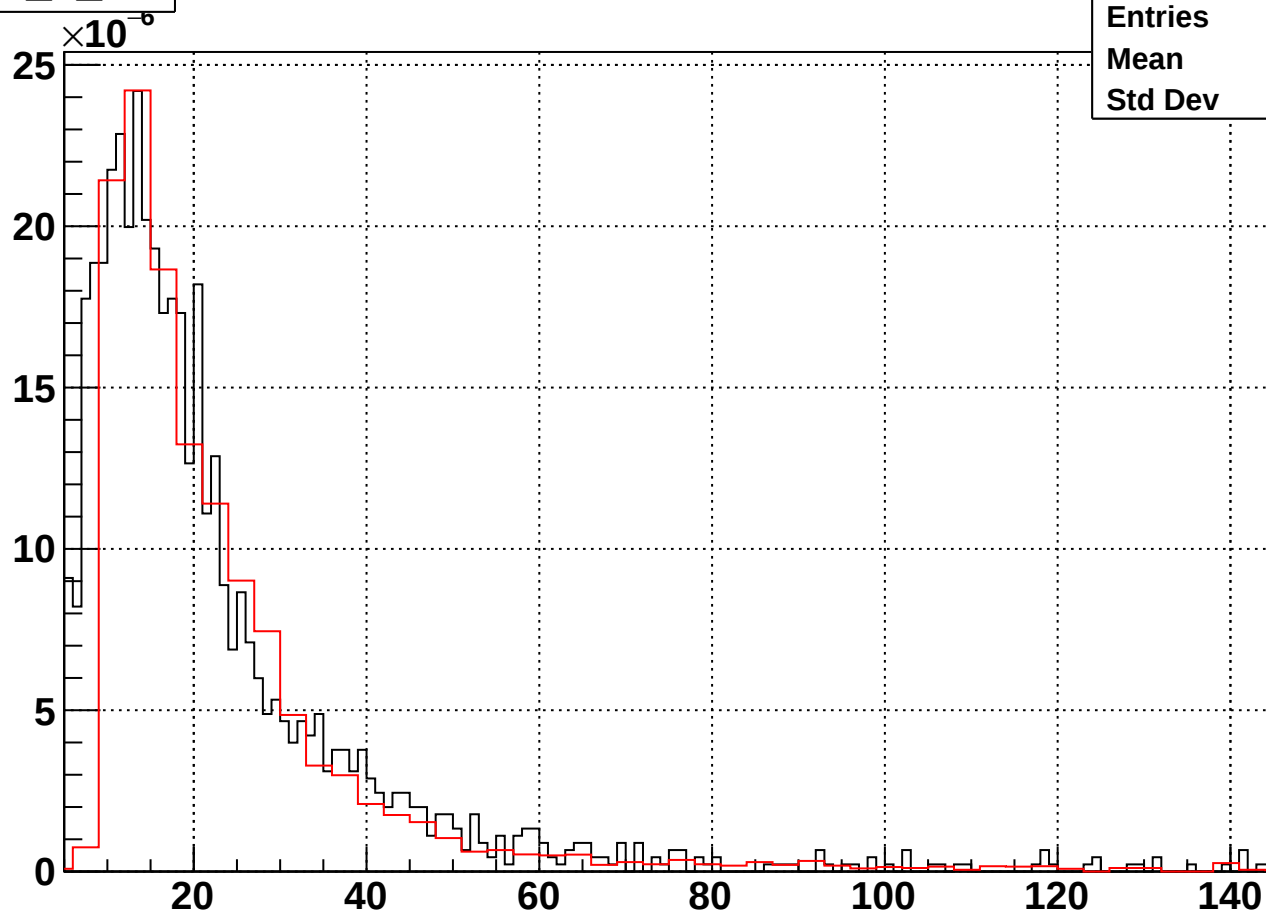
Entries	7781
Mean	28.99
Std Dev	34.15



hL1_3_18

hL1_3_18

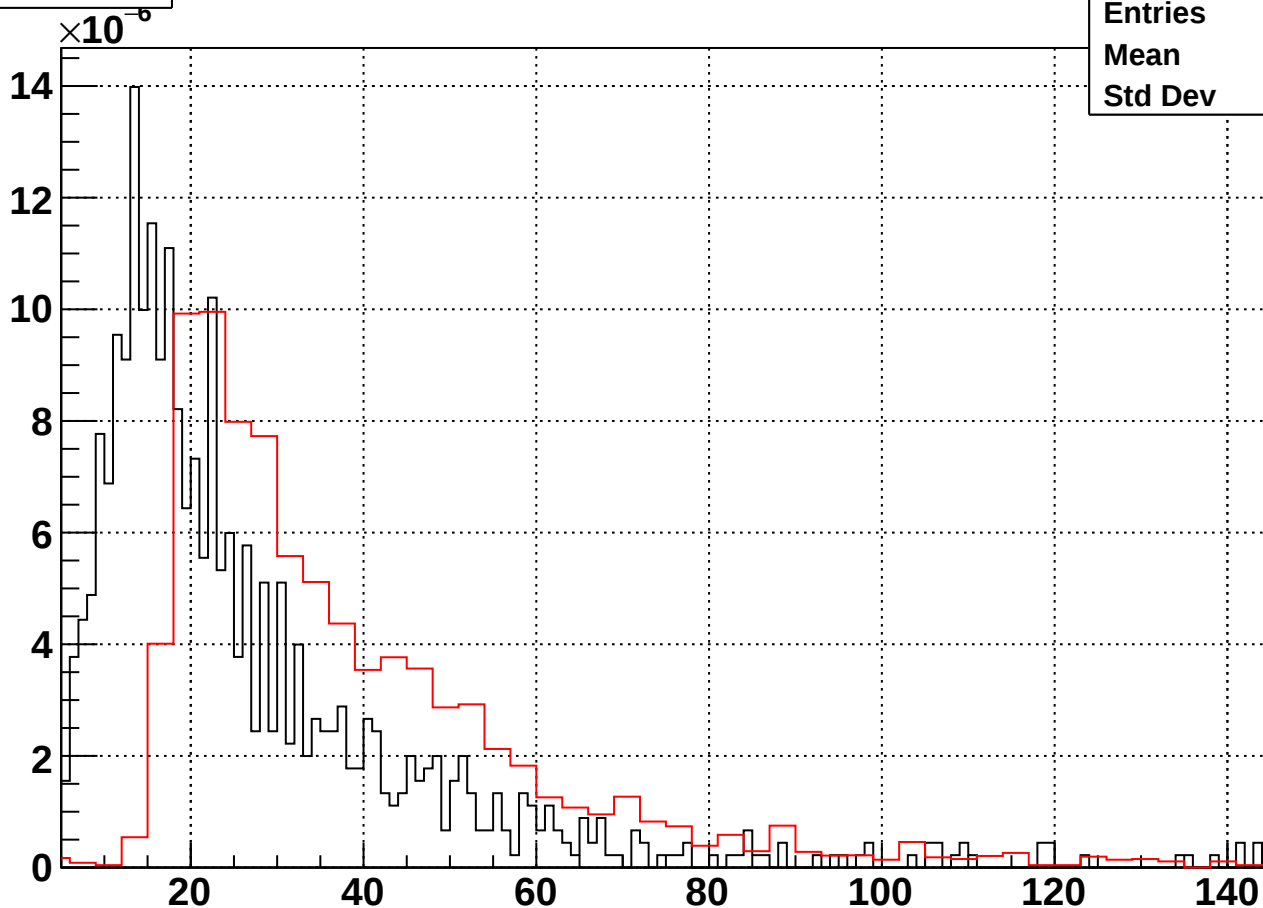
Entries	3696
Mean	27.06
Std Dev	35.05



hL1_3_19

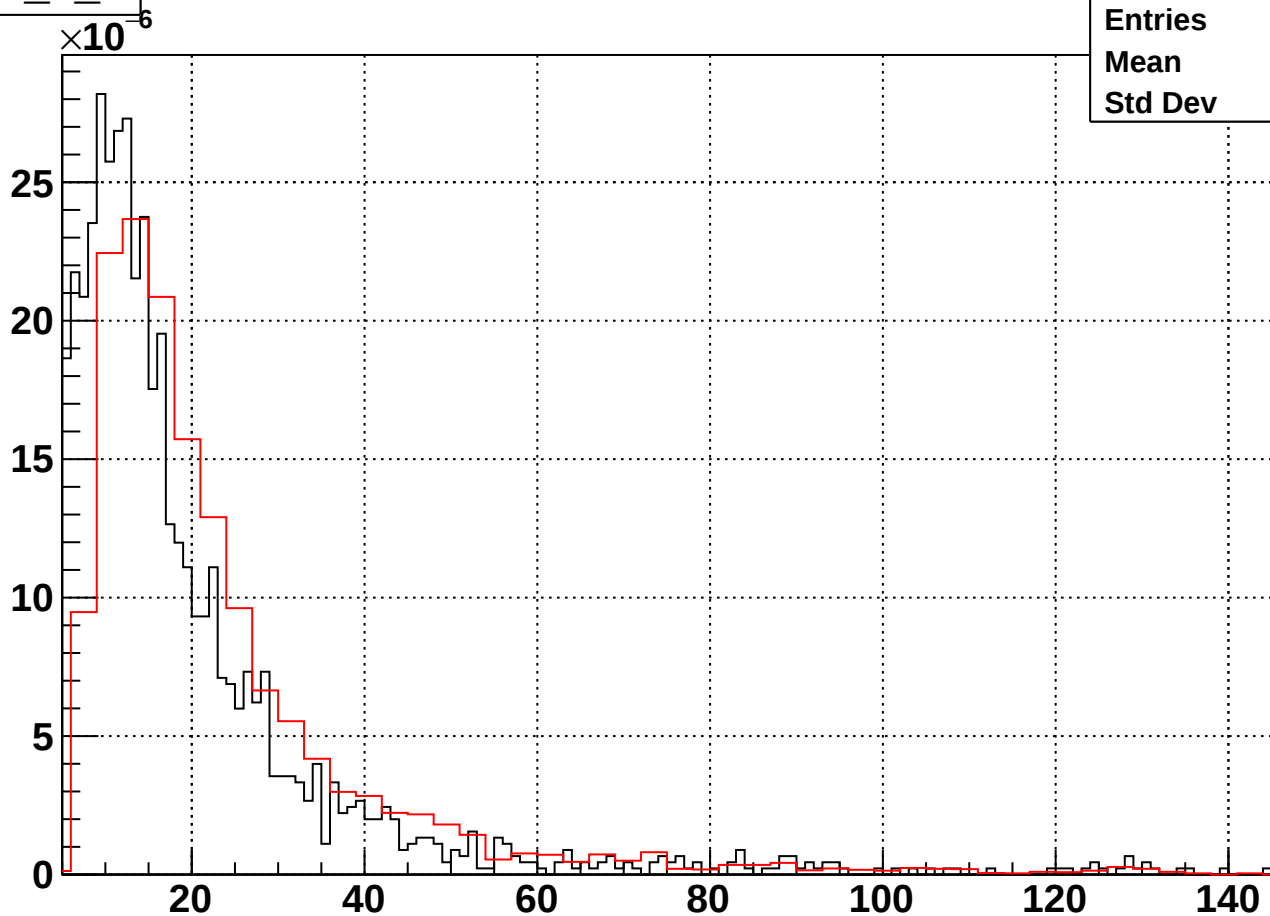
hL1_3_19

Entries	2475
Mean	42.54
Std Dev	37.24



hL1_4_1**hL1_4_1**

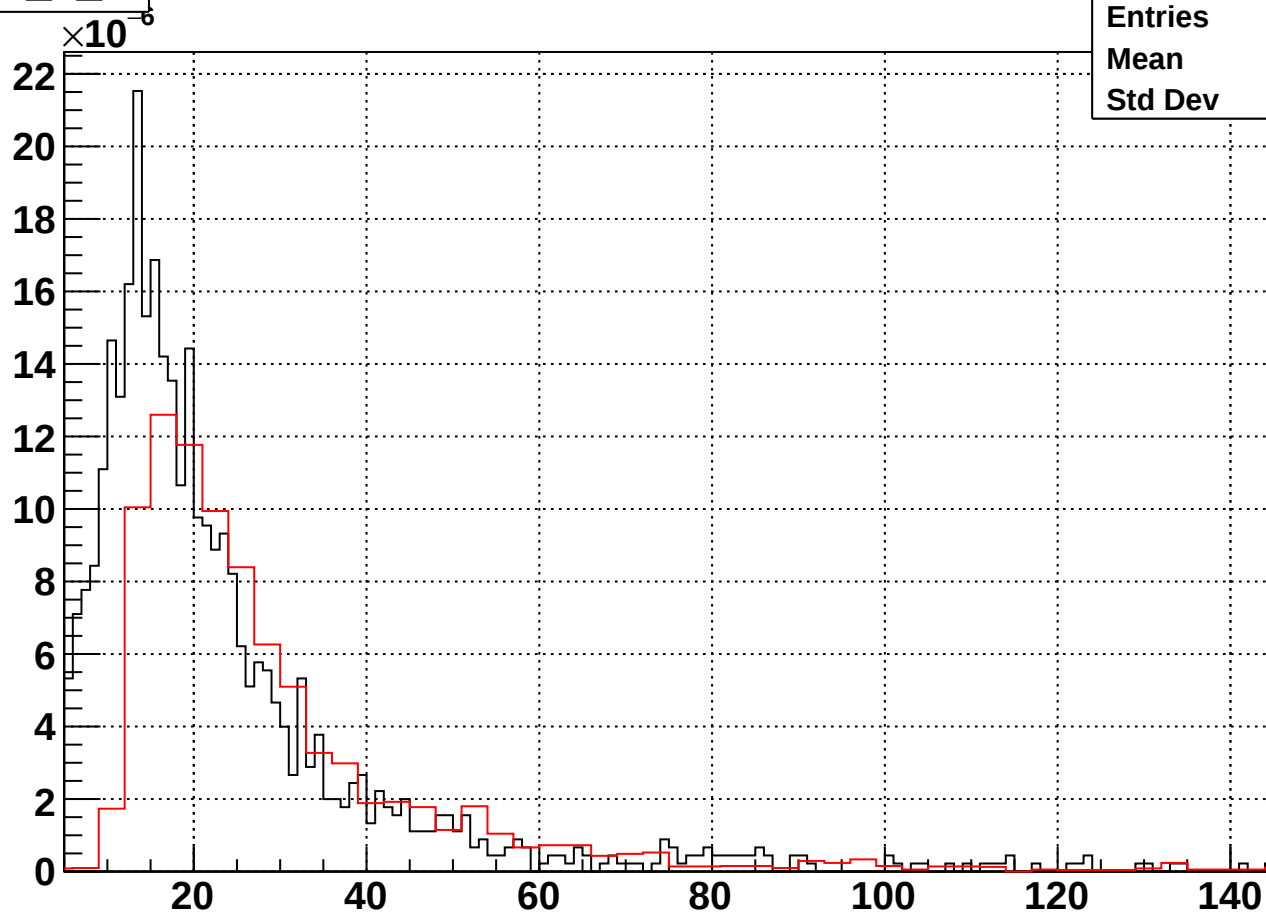
Entries	4291
Mean	26.02
Std Dev	31.11



hL1_4_2

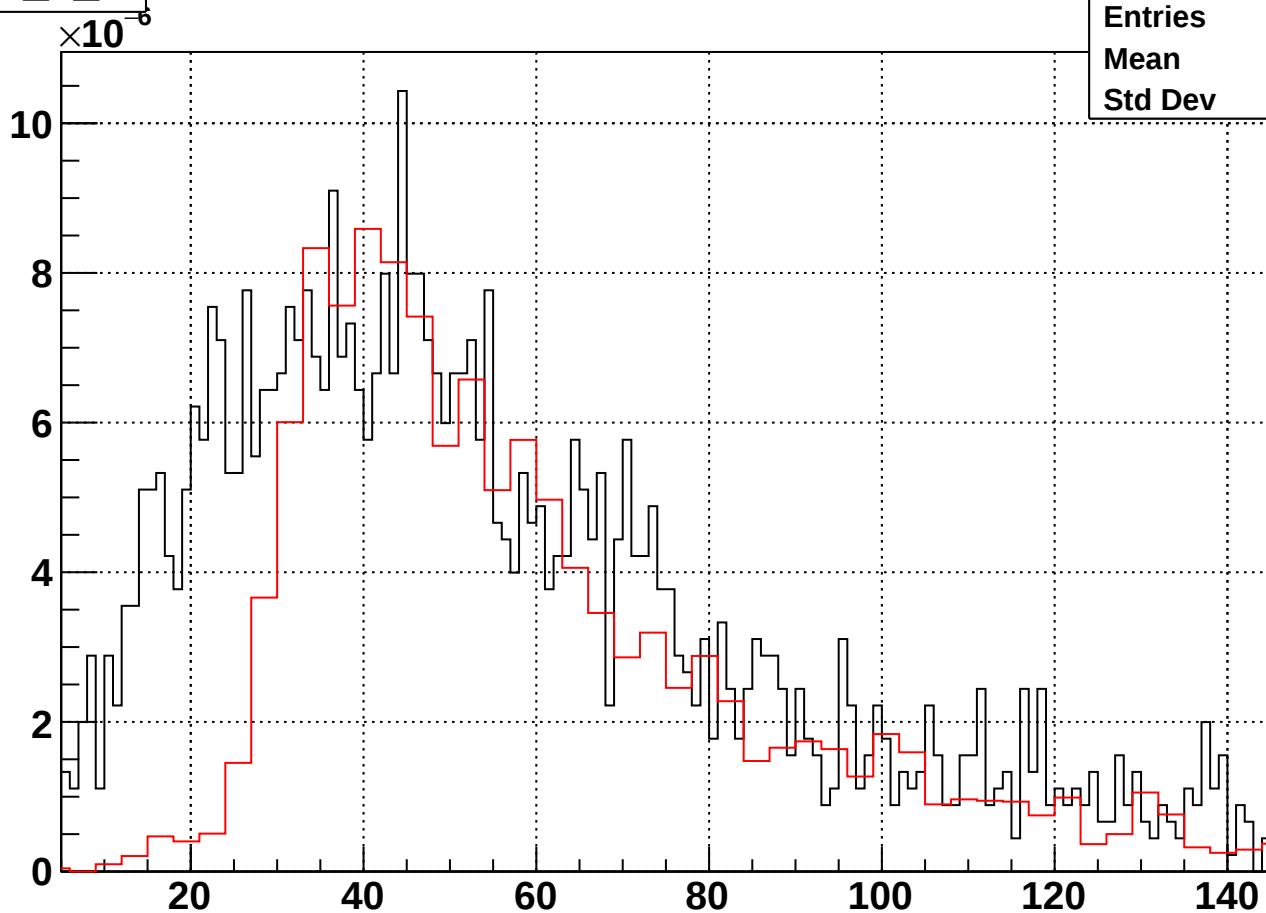
hL1_4_2

Entries	2483
Mean	30.97
Std Dev	27.41



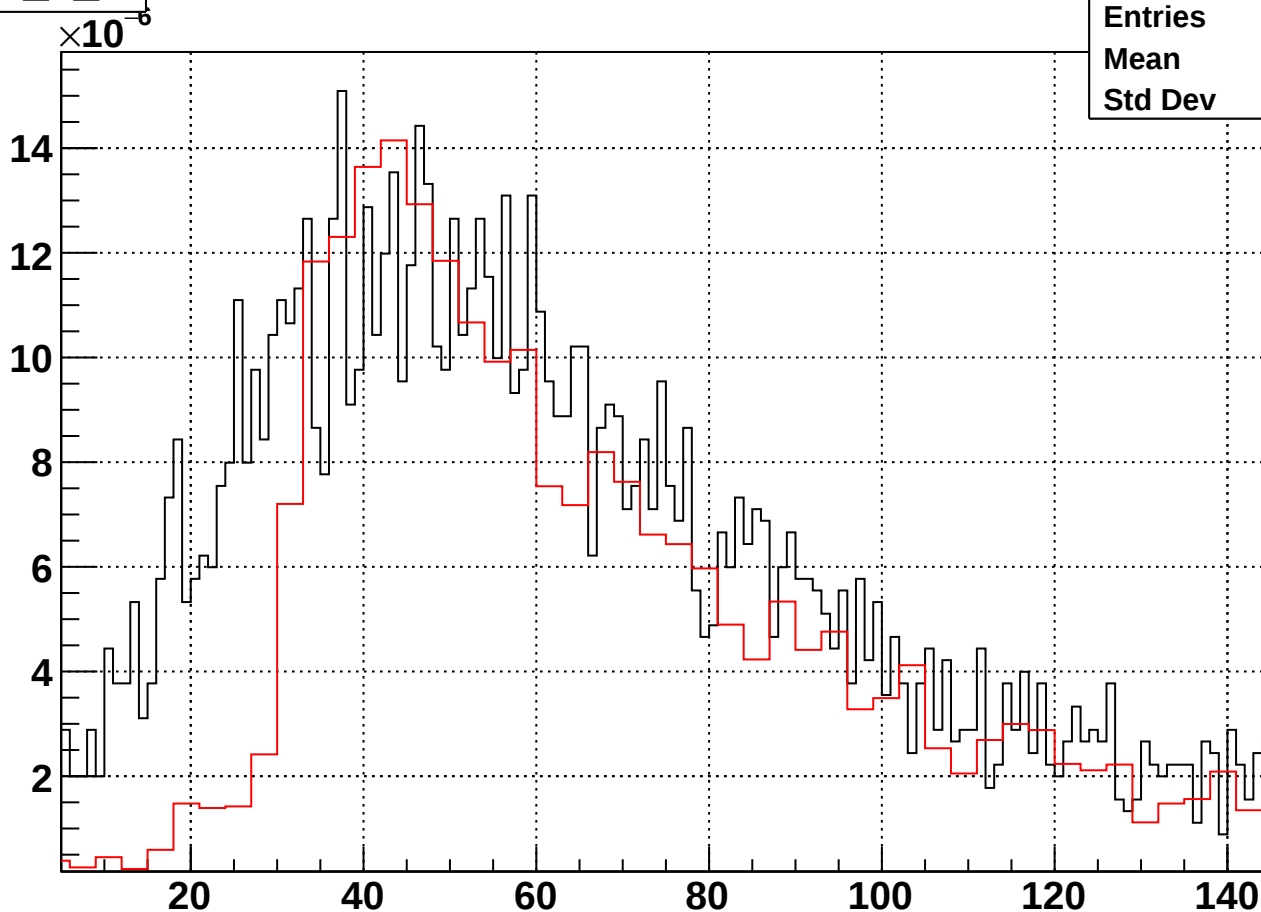
hL1_4_3**hL1_4_3**

Entries	3605
Mean	68.45
Std Dev	50.78



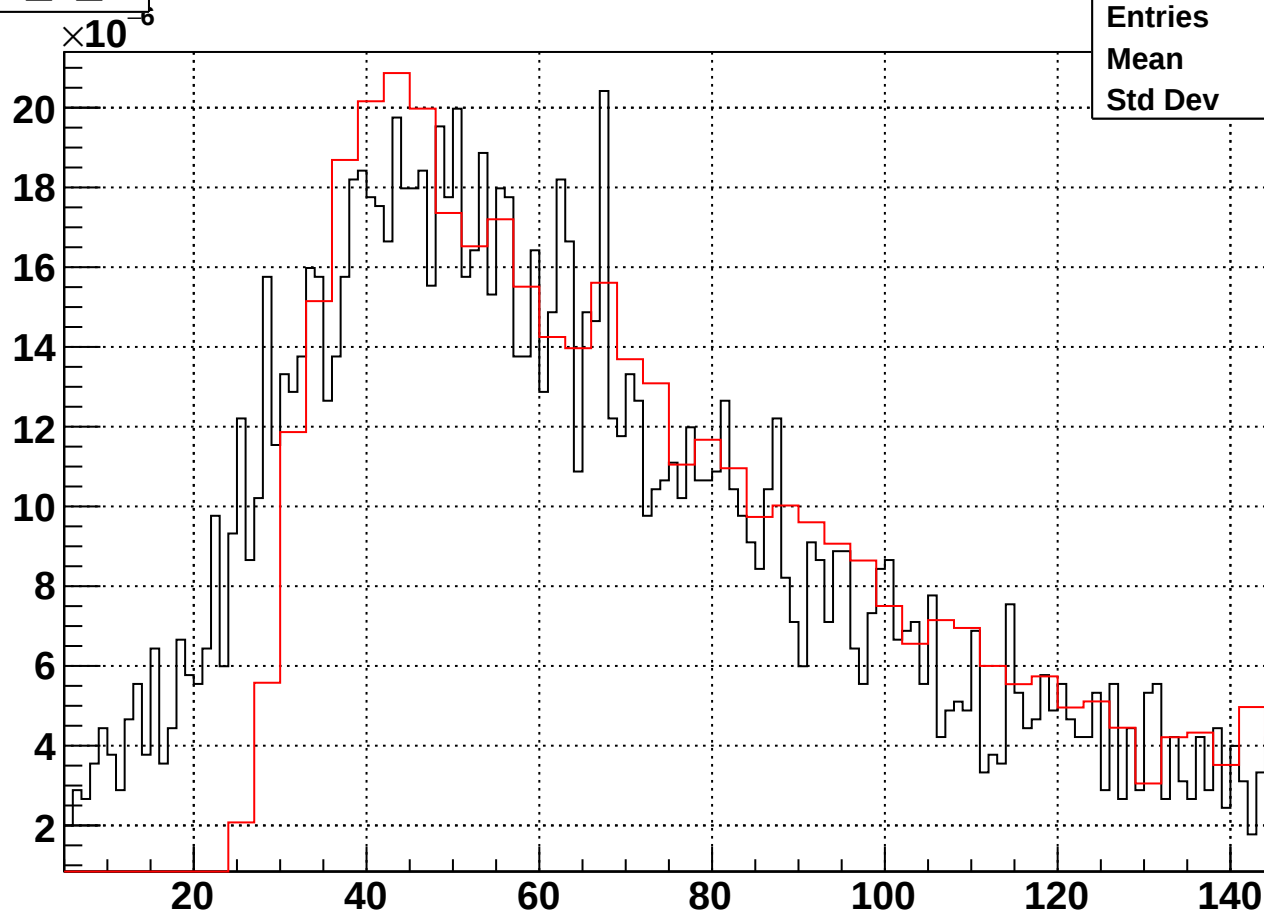
hL1_4_4**hL1_4_4**

Entries	7700
Mean	91.58
Std Dev	78.99



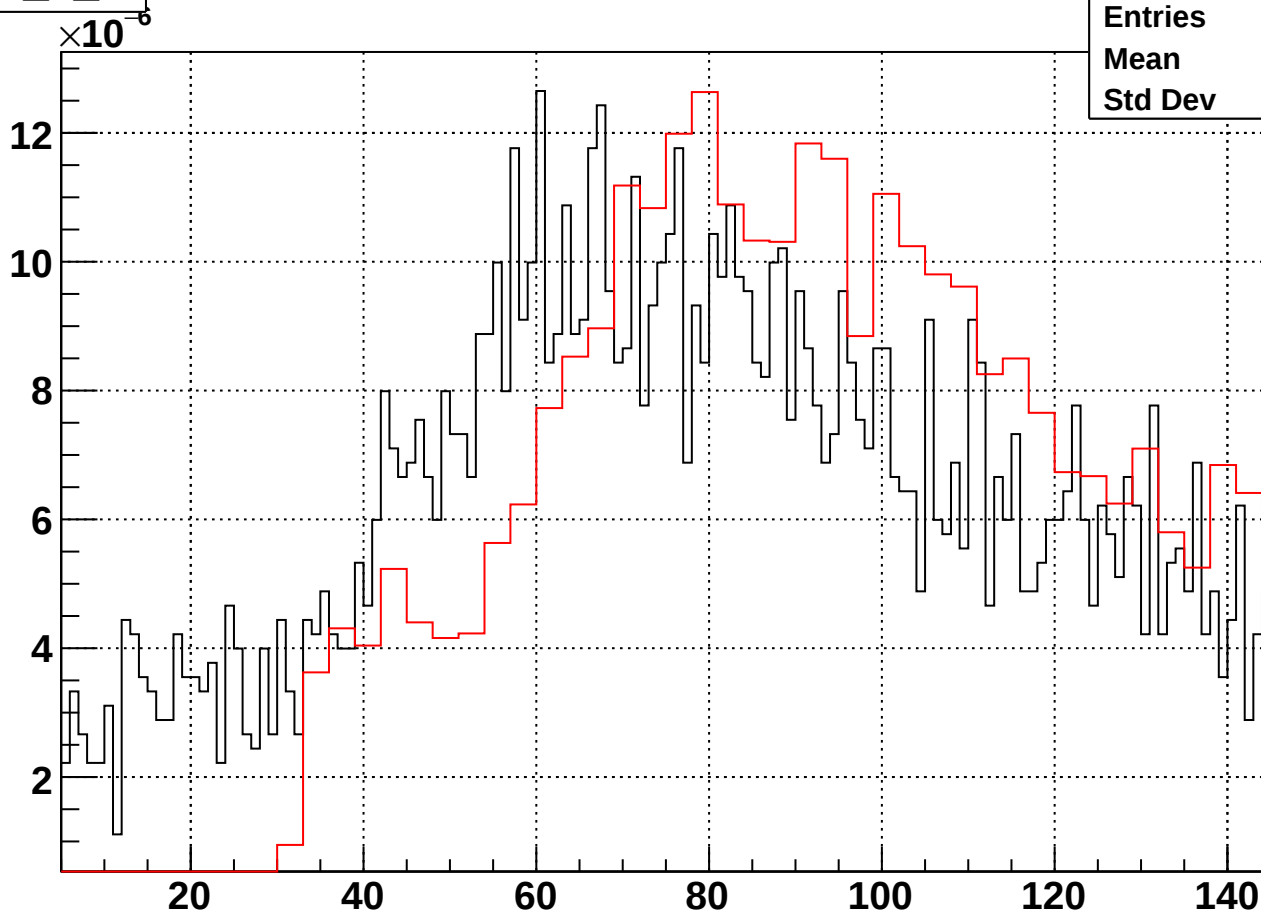
hL1_4_5**hL1_4_5**

Entries	13818
Mean	94.95
Std Dev	70.52



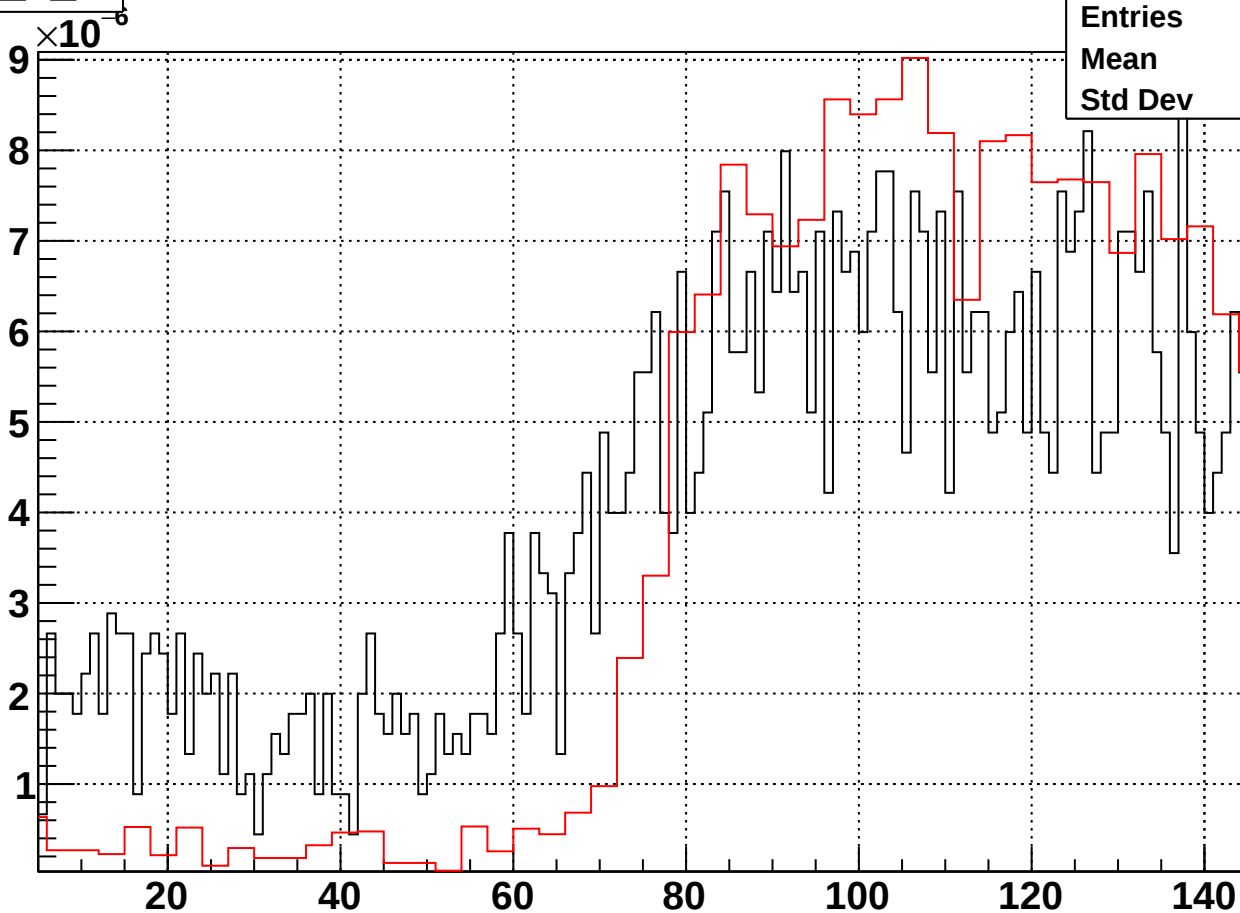
hL1_4_6

hL1_4_6	
Entries	13289
Mean	148.9
Std Dev	98.83



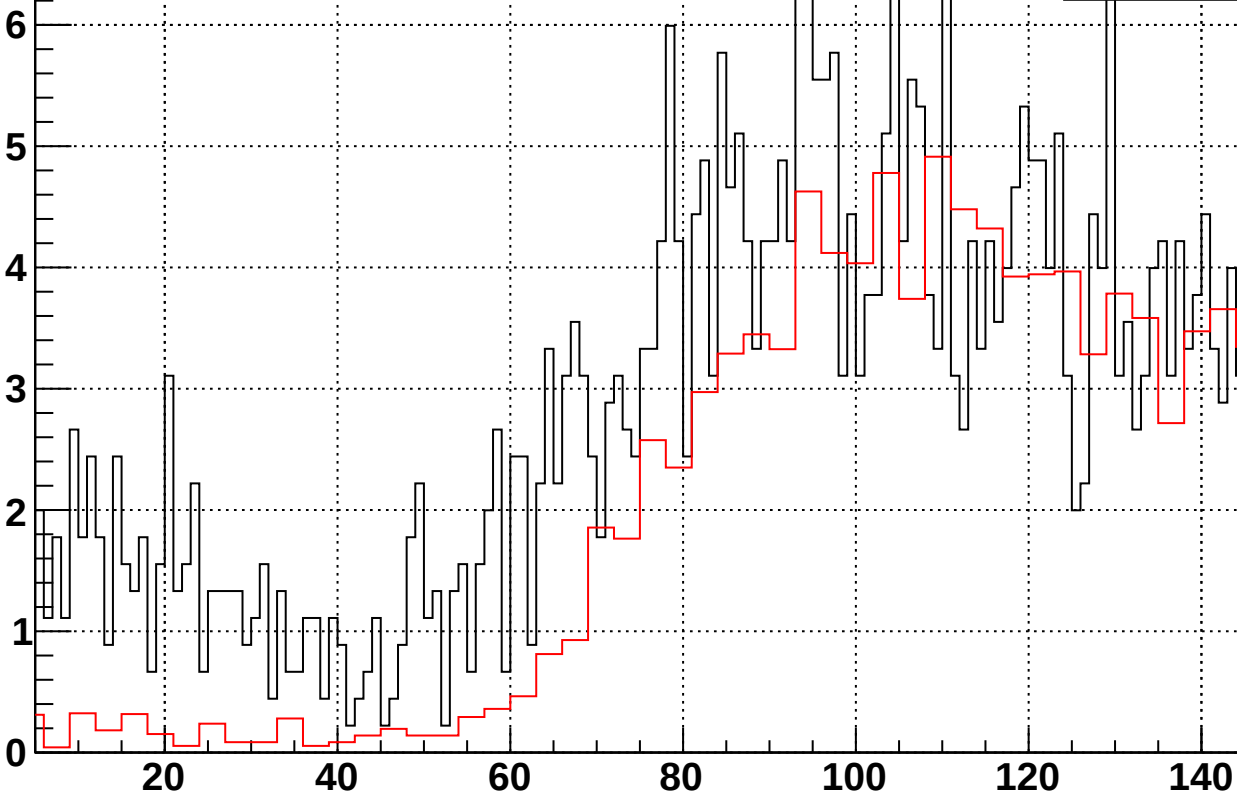
hL1_4_7

hL1_4_7	
Entries	11280
Mean	189
Std Dev	106.2



hL1_4_8

$\times 10^{-6}$

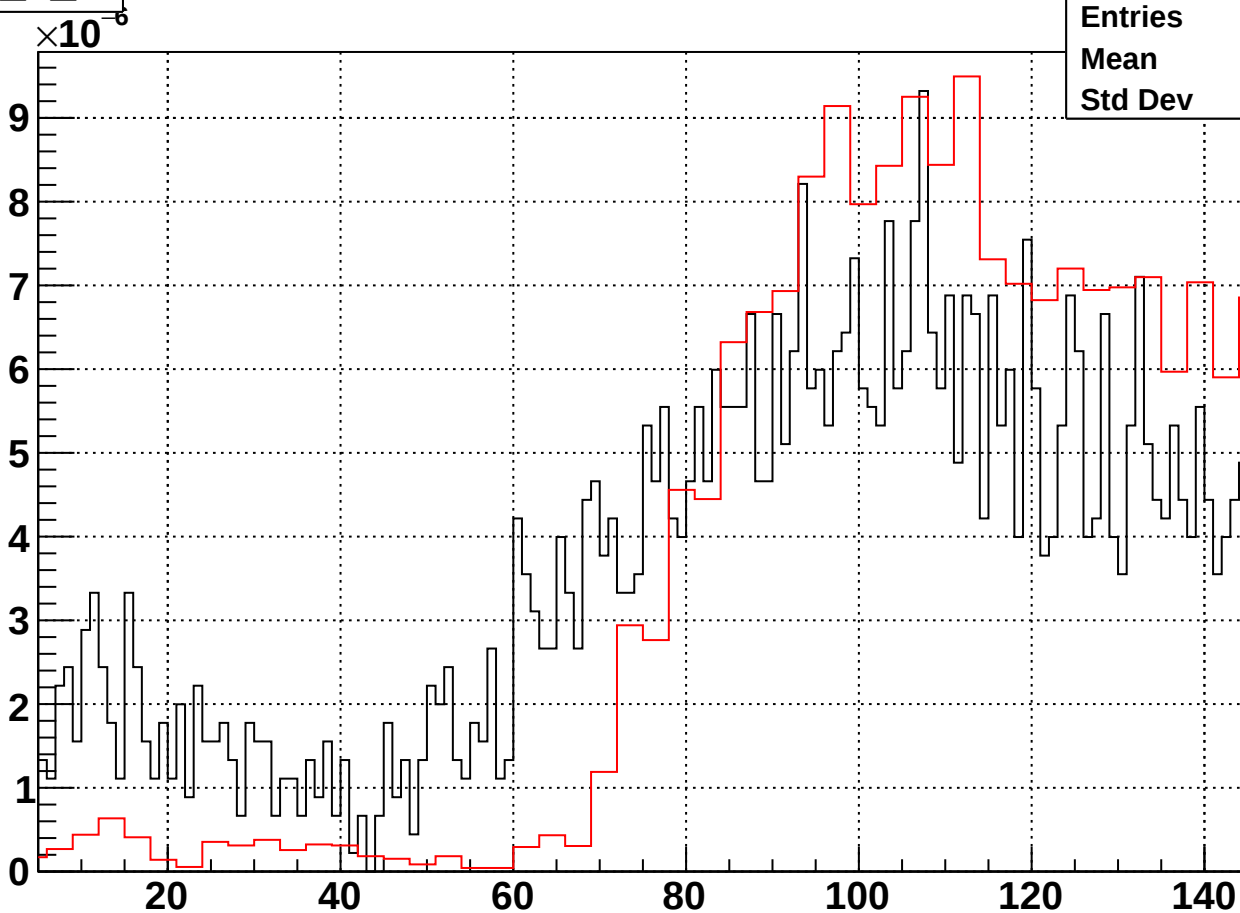


hL1_4_8

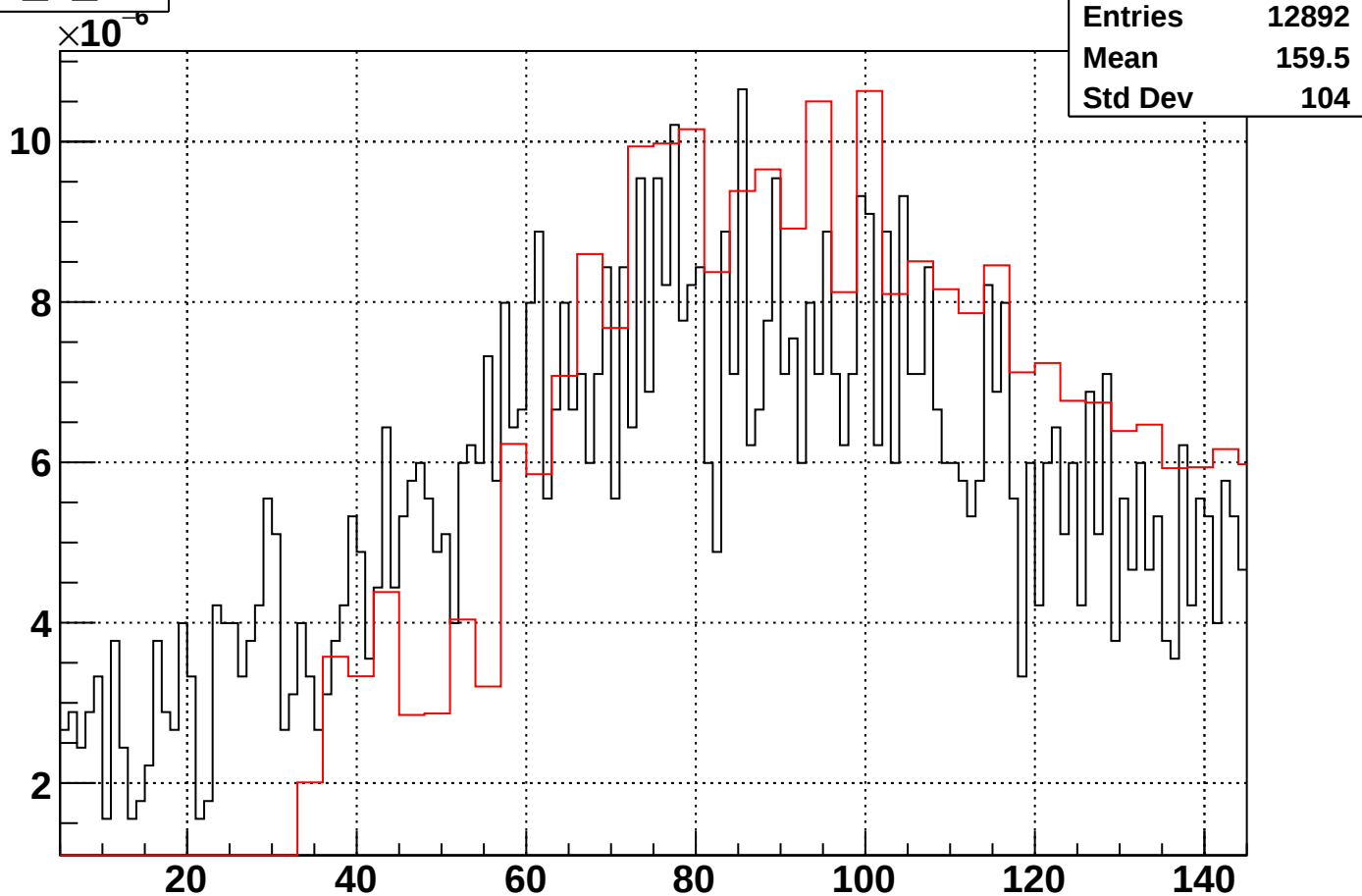
Entries	5362
Mean	174.2
Std Dev	96.51

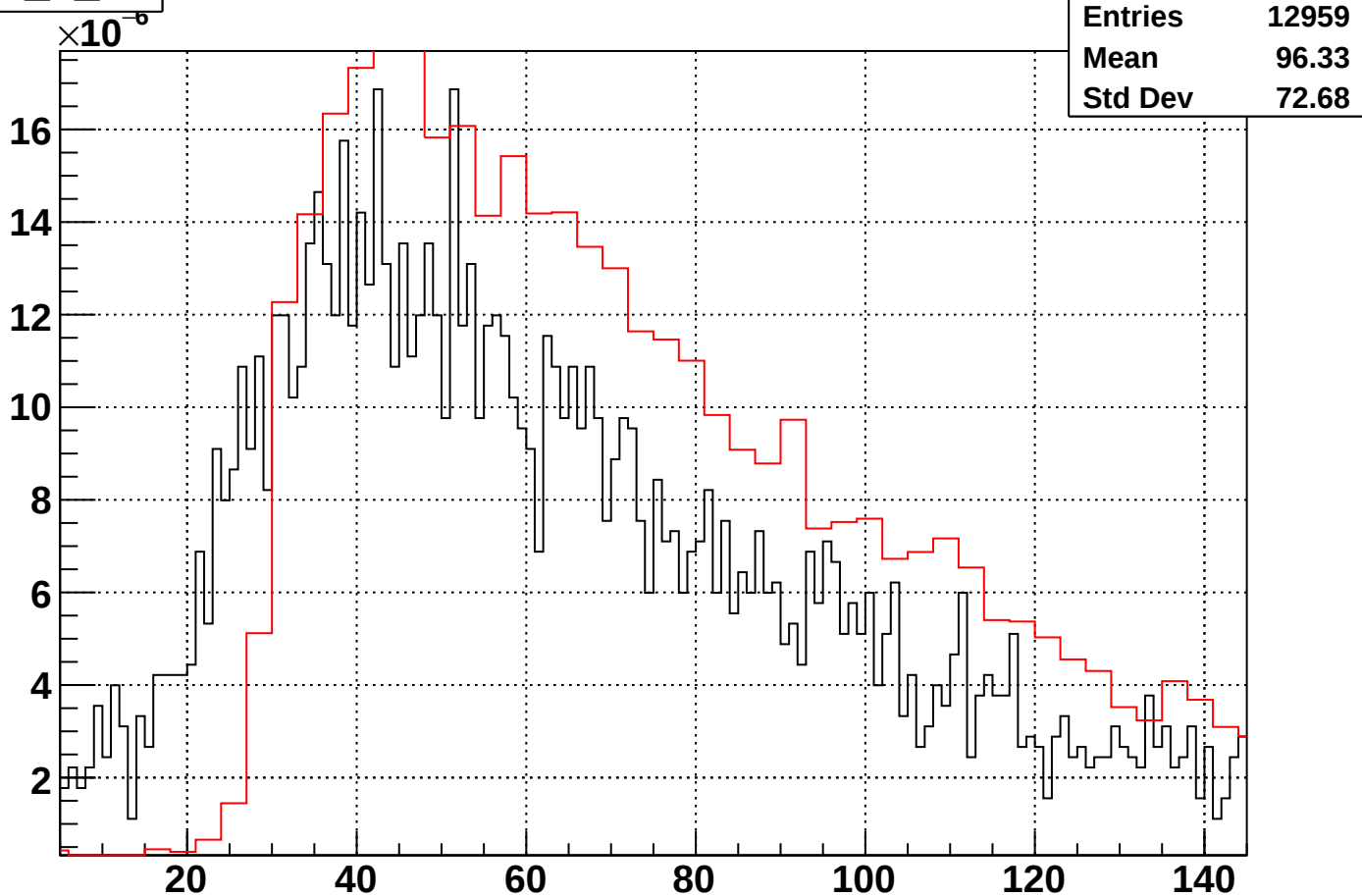
hL1_4_9

hL1_4_9	
Entries	11046
Mean	189.4
Std Dev	105.5



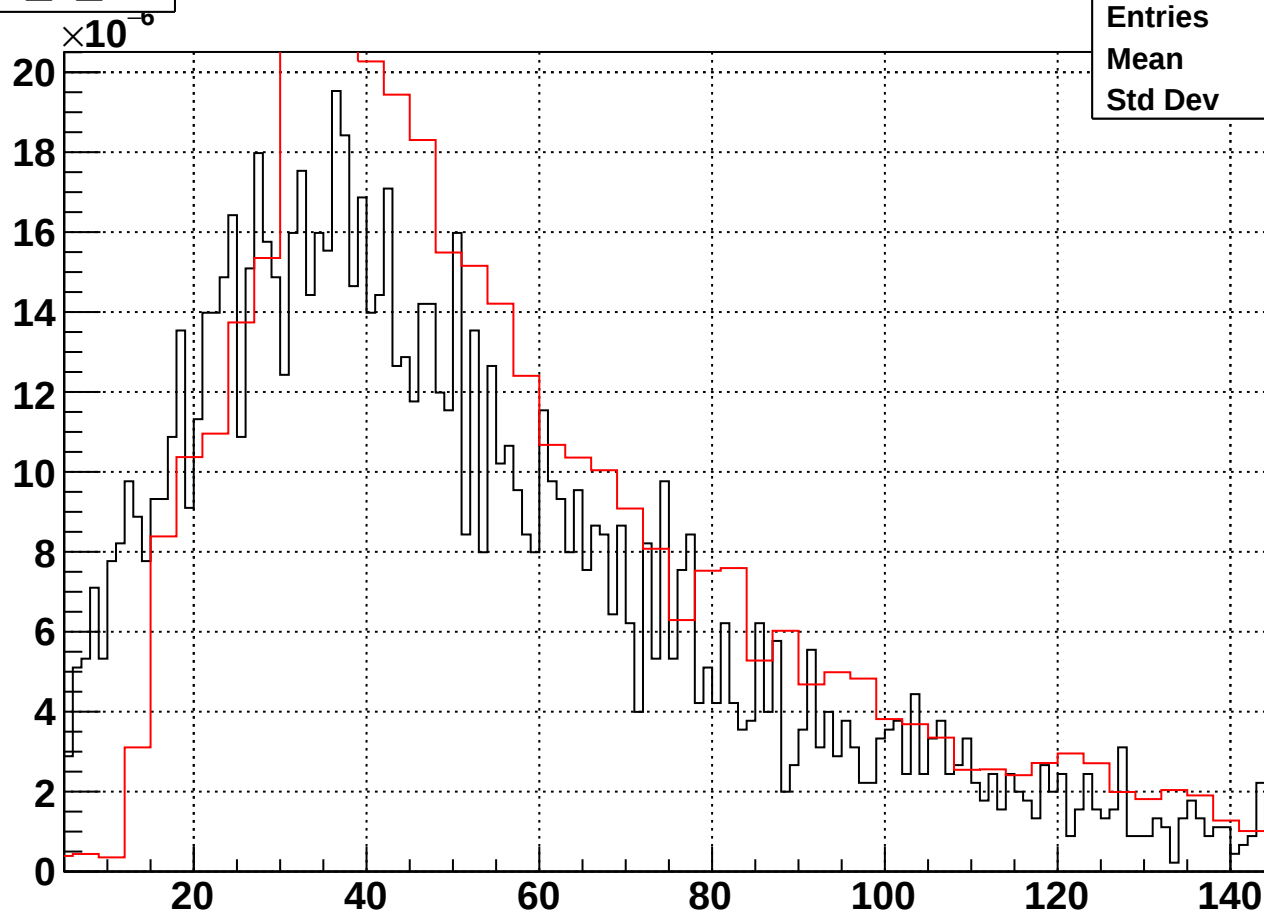
hL1_4_10



hL1_4_11

hL1_4_12

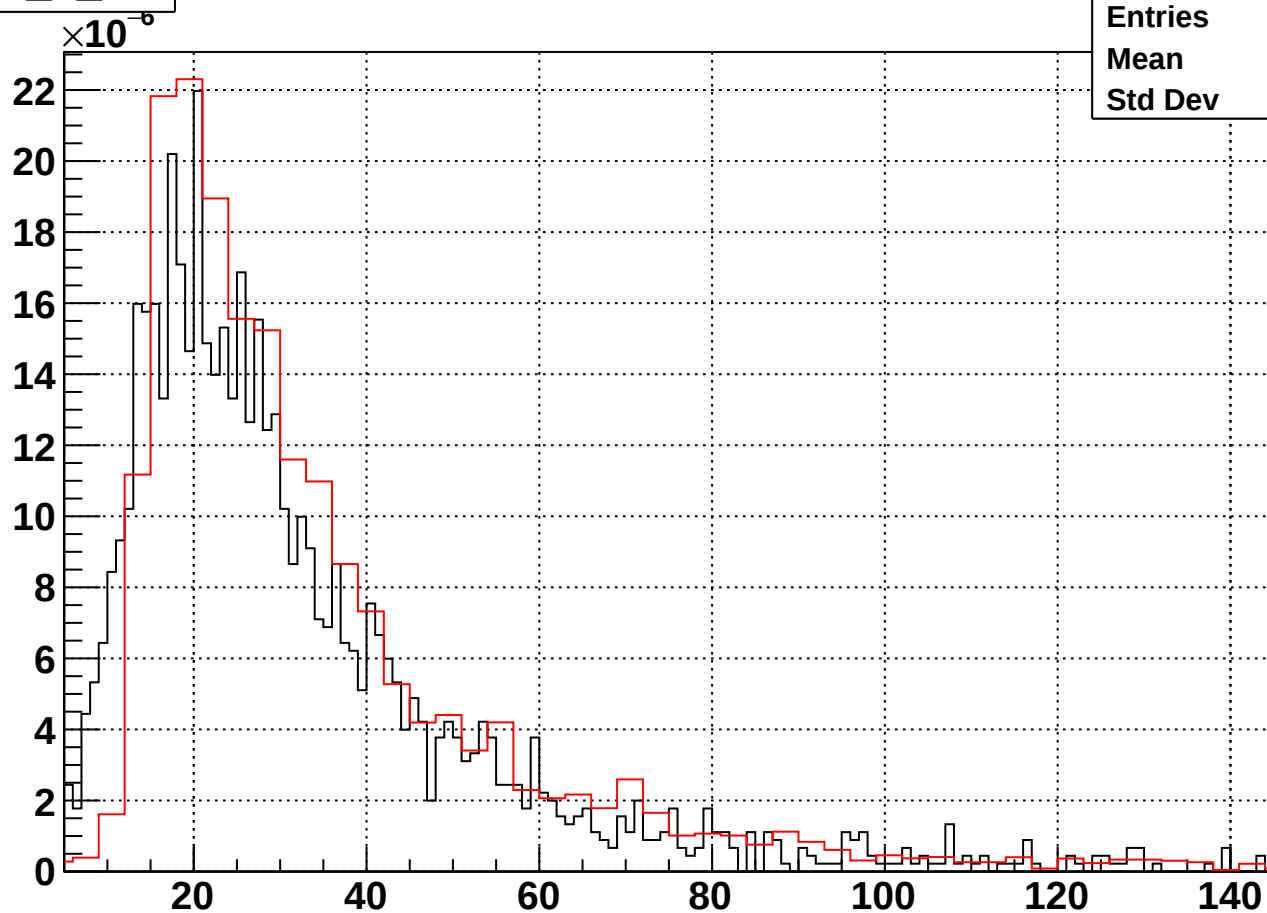
hL1_4_12	
Entries	11218
Mean	64.53
Std Dev	49.31



hL1_4_13

hL1_4_13

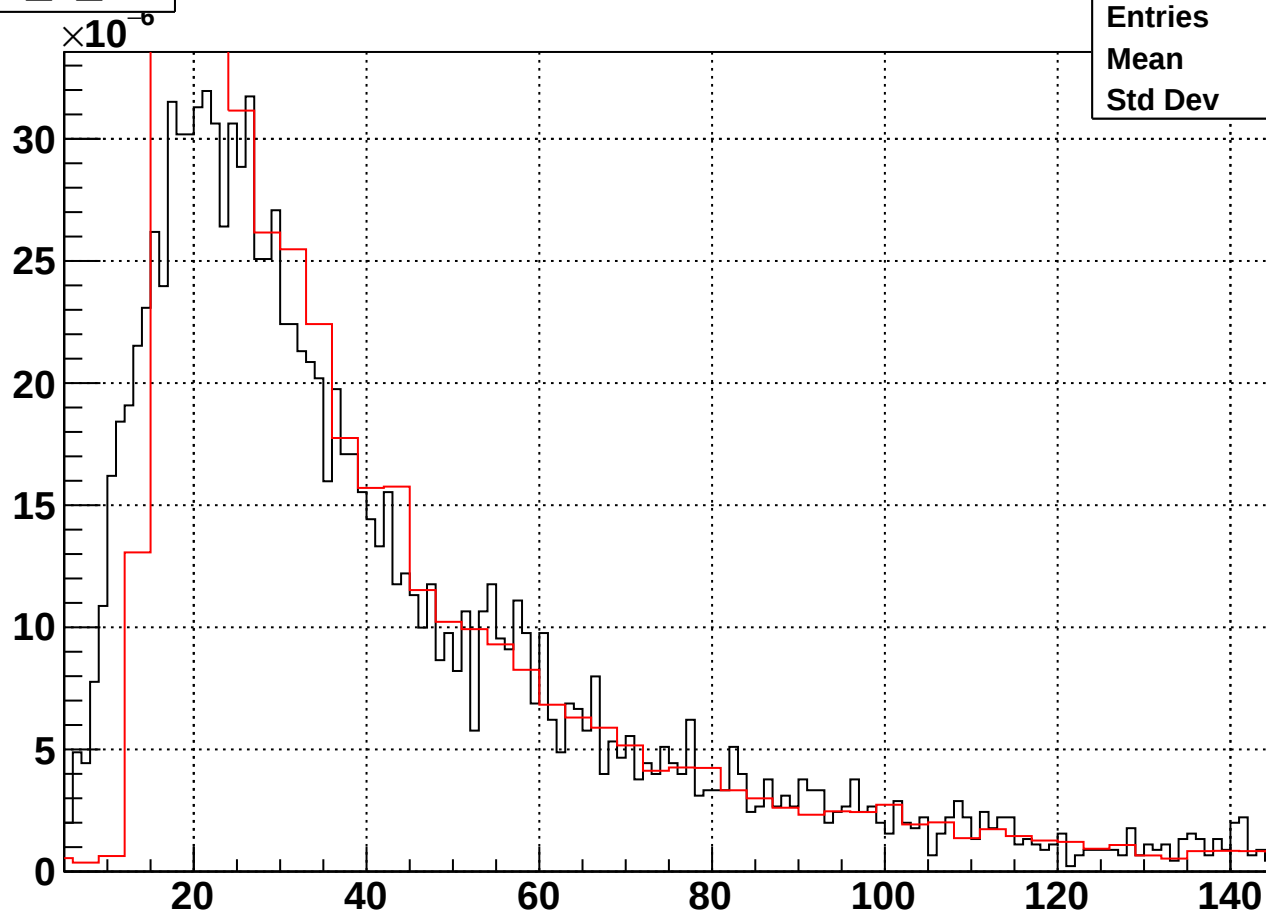
Entries	5437
Mean	37.58
Std Dev	34.87



hL1_4_14

hL1_4_14

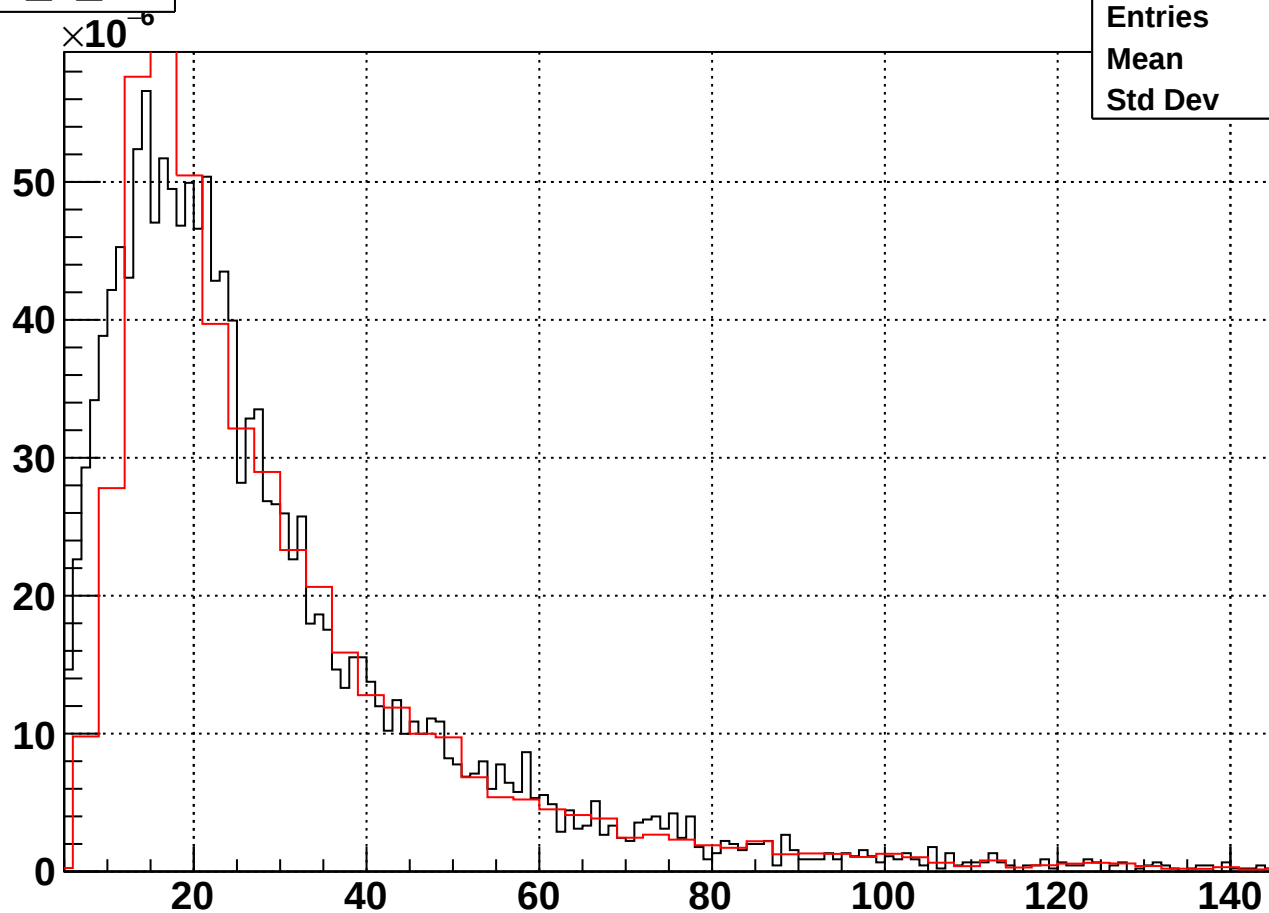
Entries	11556
Mean	46.76
Std Dev	44.71



hL1_4_15

hL1_4_15

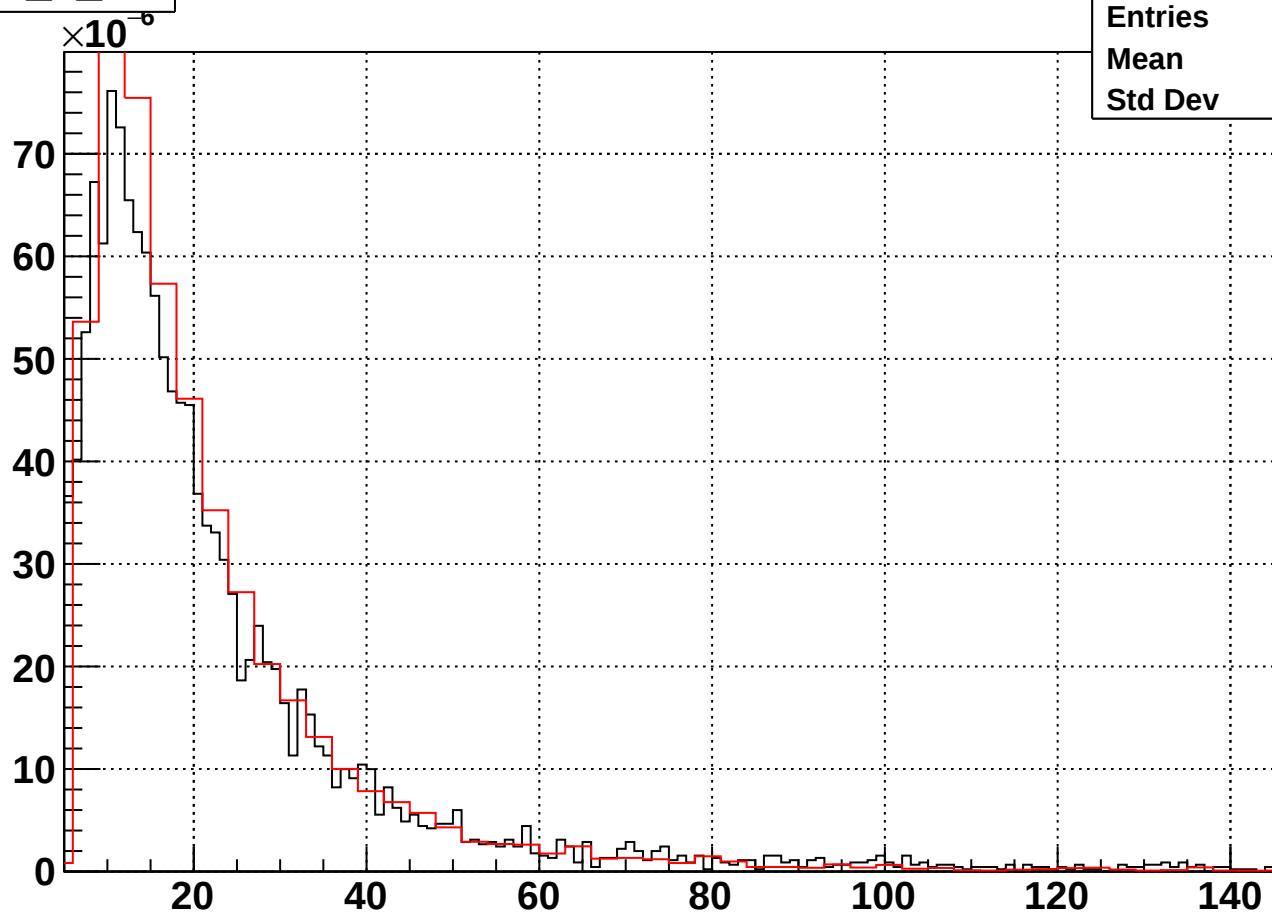
Entries	13169
Mean	32.17
Std Dev	32.34



hL1_4_16

hL1_4_16

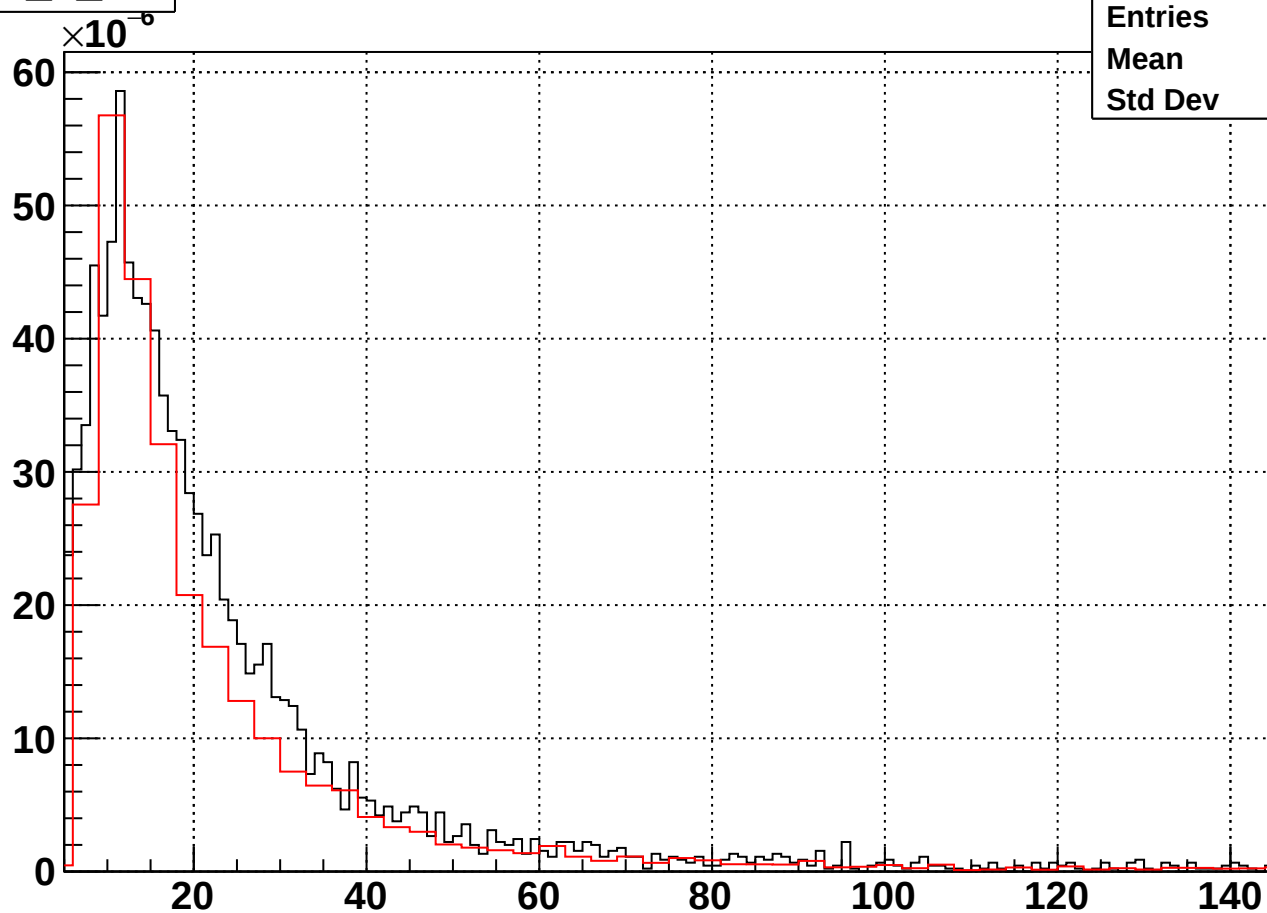
Entries	13626
Mean	23.25
Std Dev	26.93



hL1_4_17

hL1_4_17

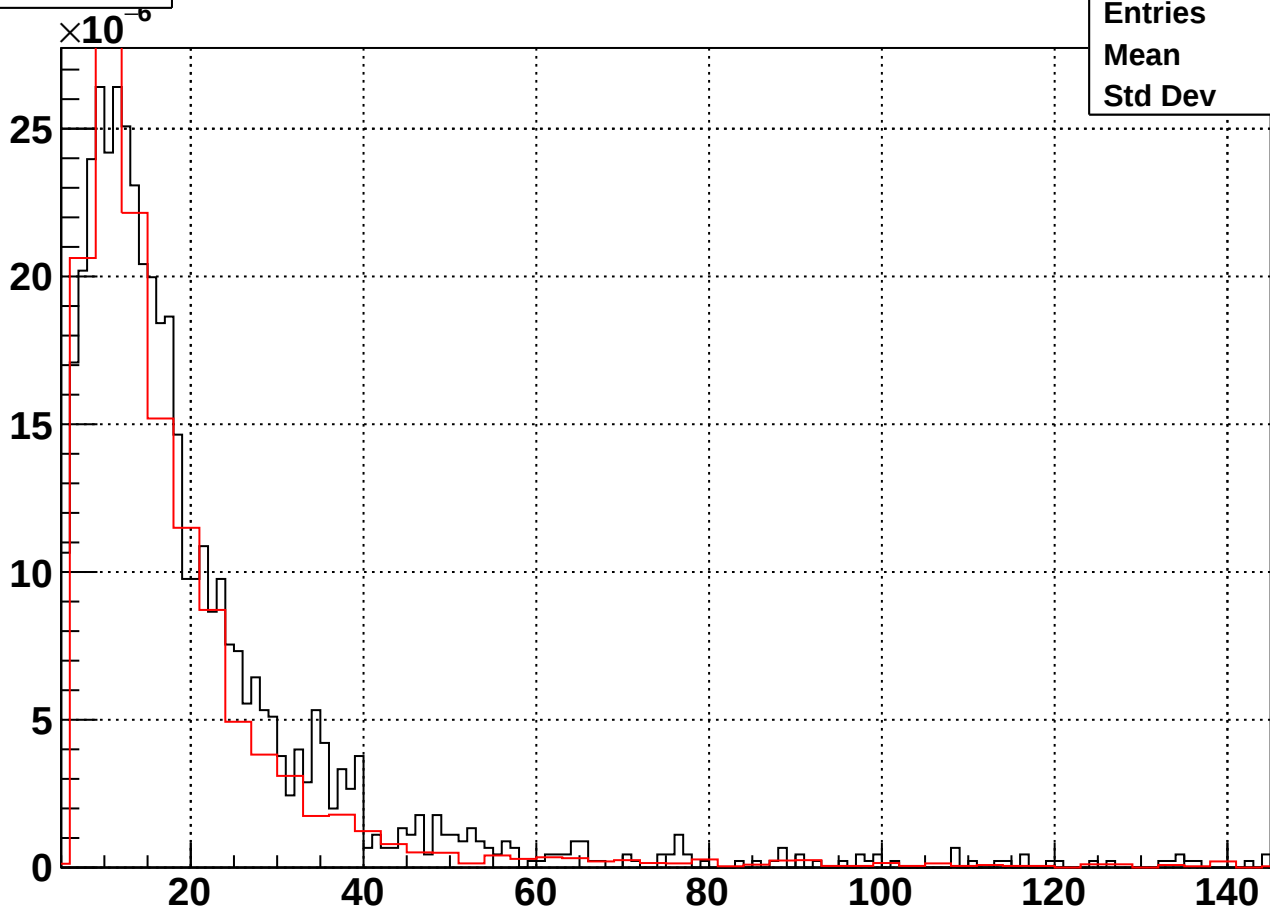
Entries	7788
Mean	25.75
Std Dev	37.42



hL1_4_18

hL1_4_18

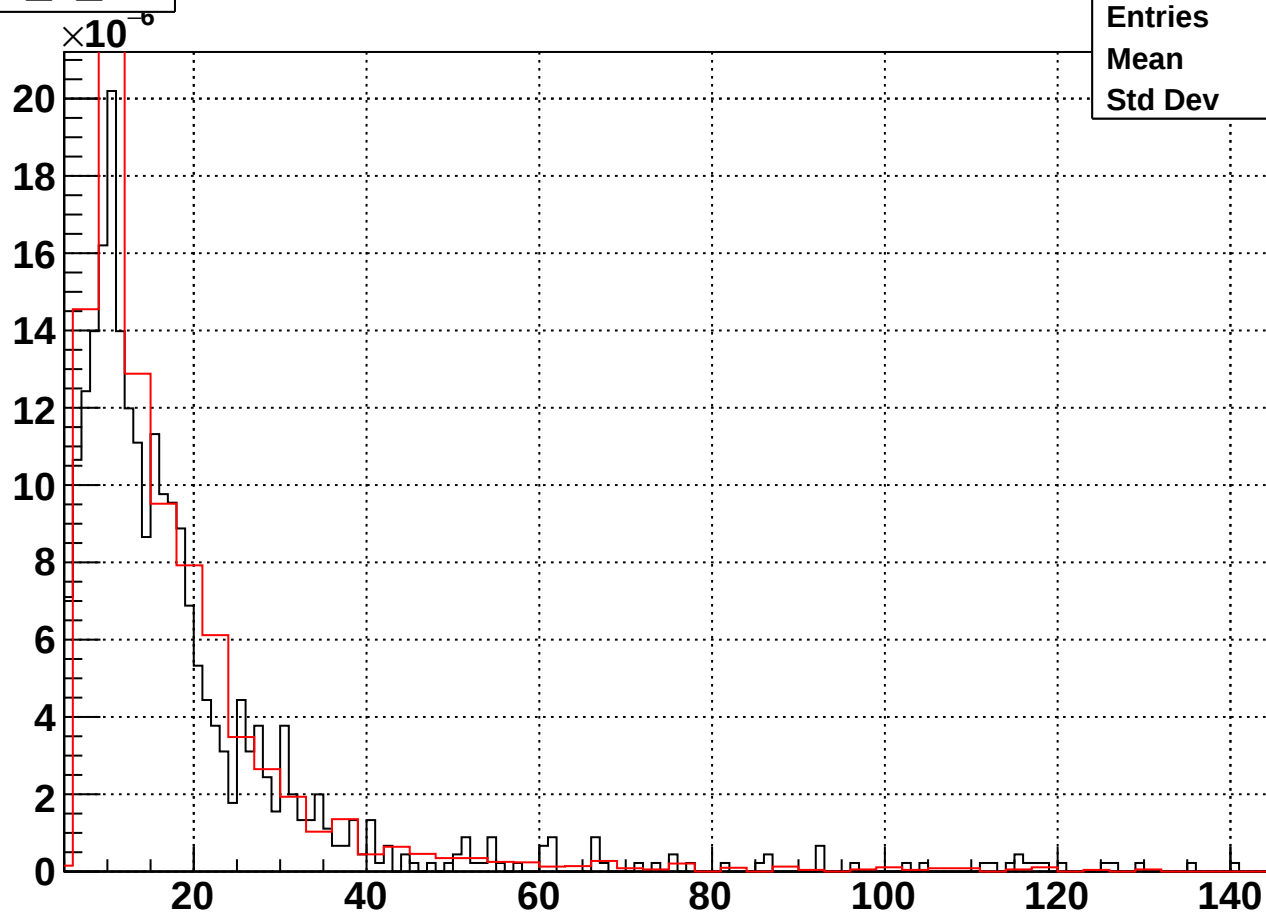
Entries	3701
Mean	20.72
Std Dev	30.58



hL1_4_19

hL1_4_19

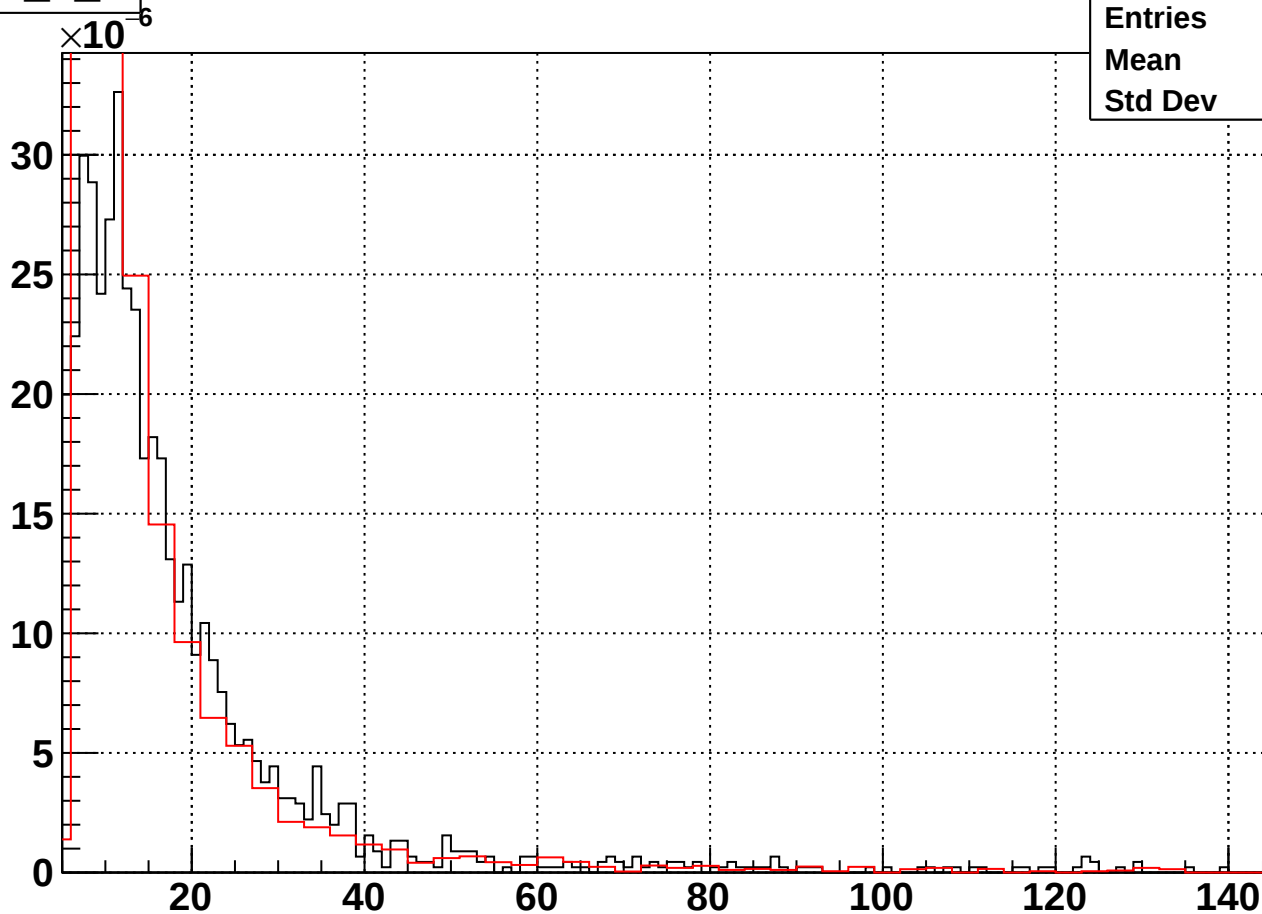
Entries	2476
Mean	21.13
Std Dev	33.67



hL1_5_1

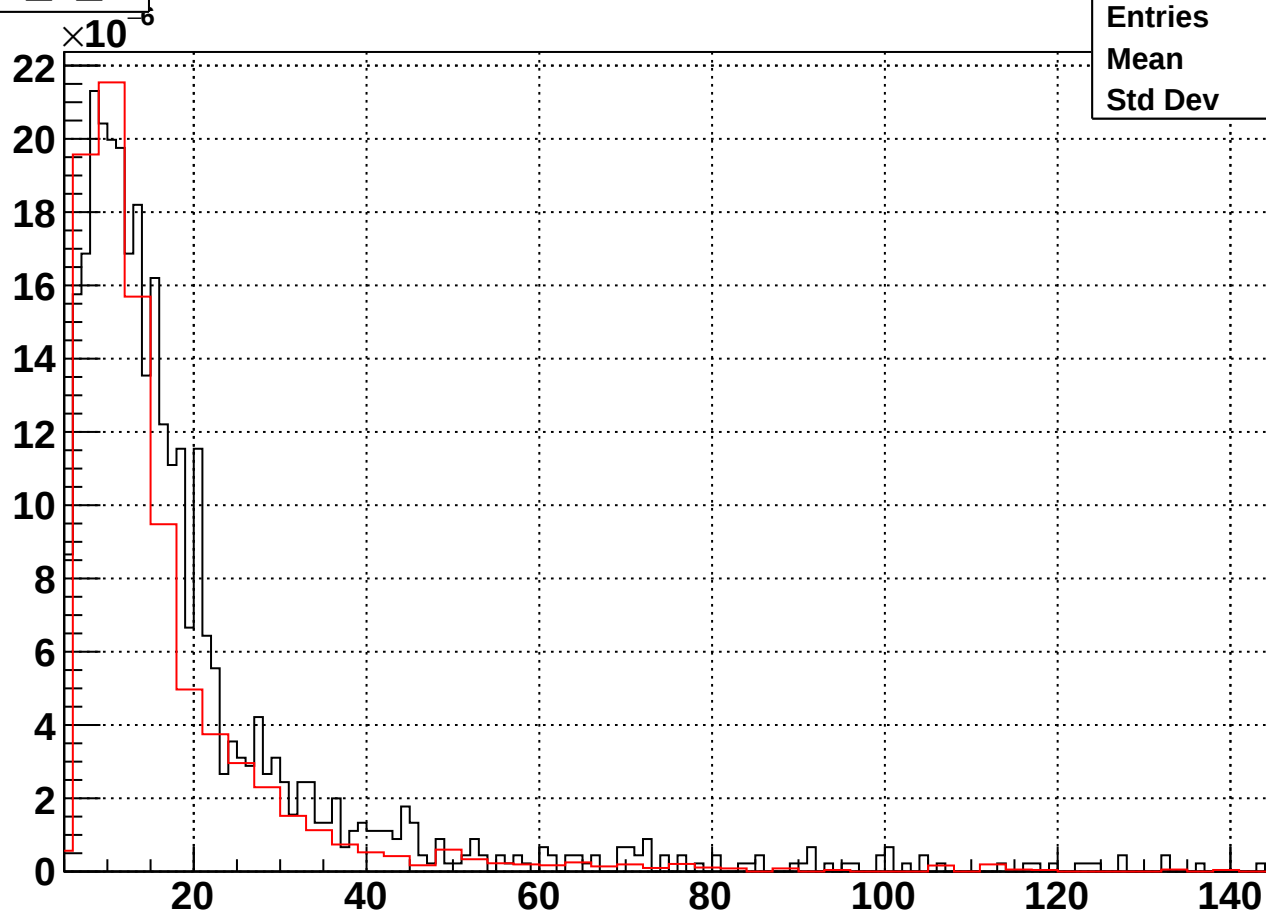
hL1_5_1

Entries	4288
Mean	18.98
Std Dev	29.27



hL1_5_2

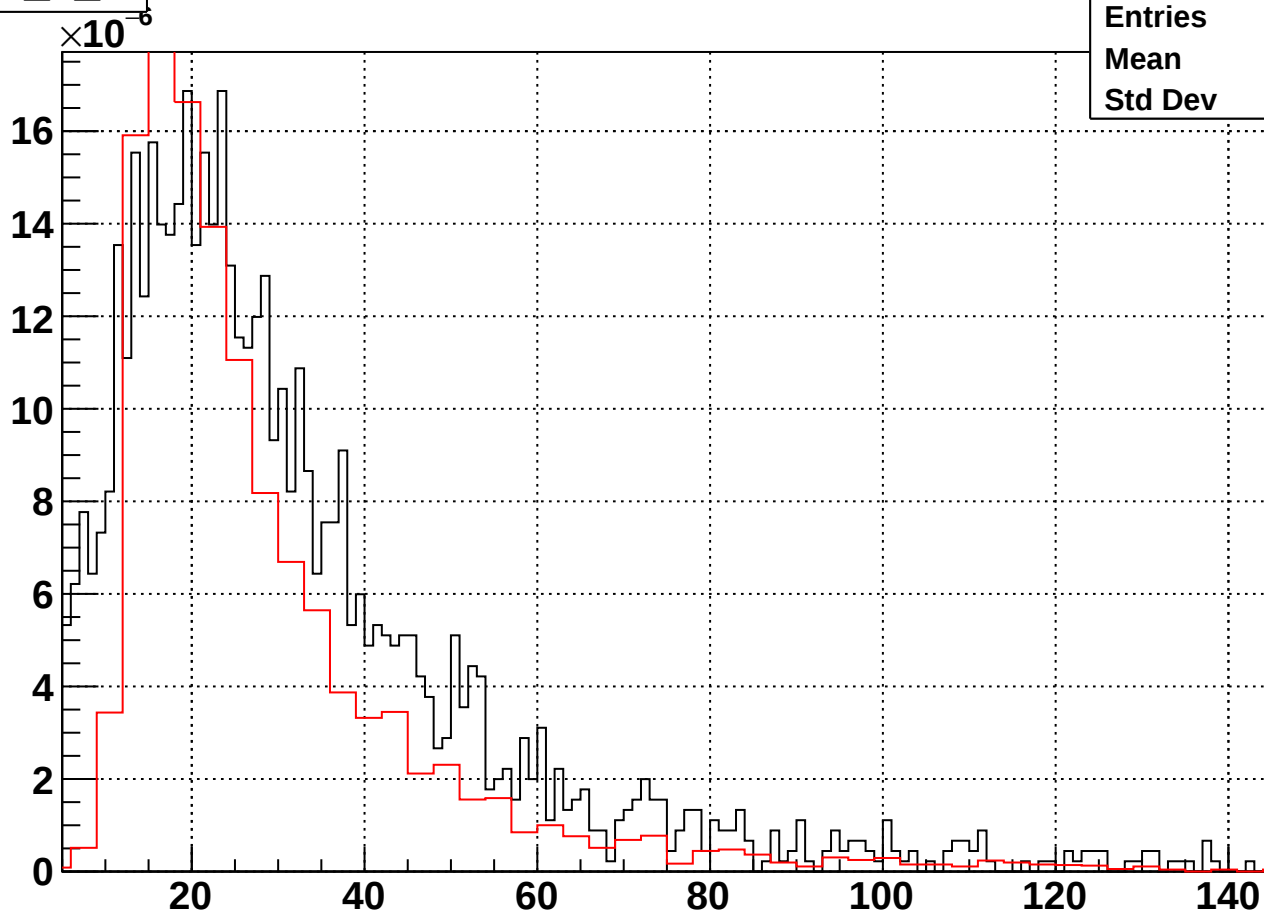
hL1_5_2	
Entries	2484
Mean	18.15
Std Dev	26.73



hL1_5_3

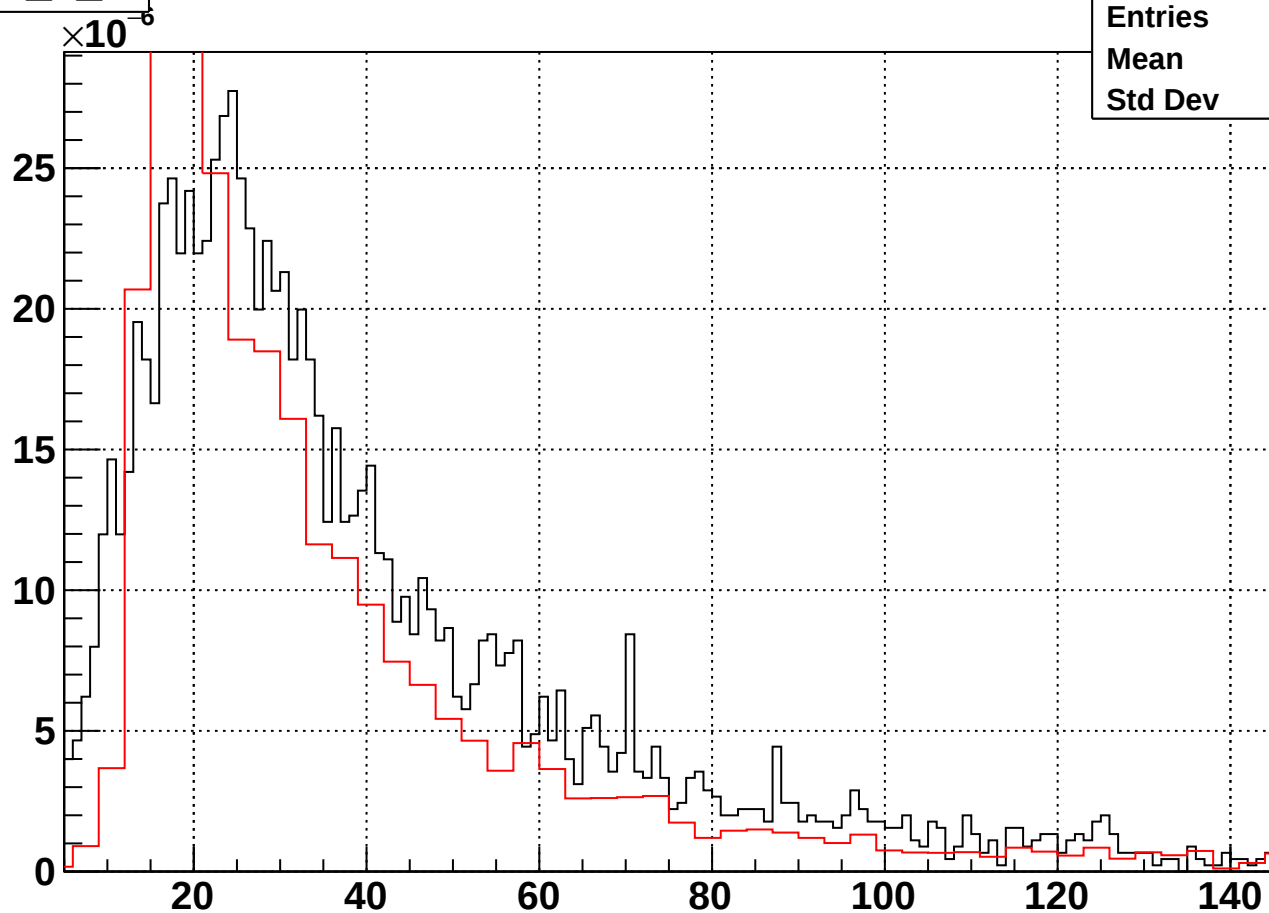
hL1_5_3

Entries	3604
Mean	30.25
Std Dev	25.77



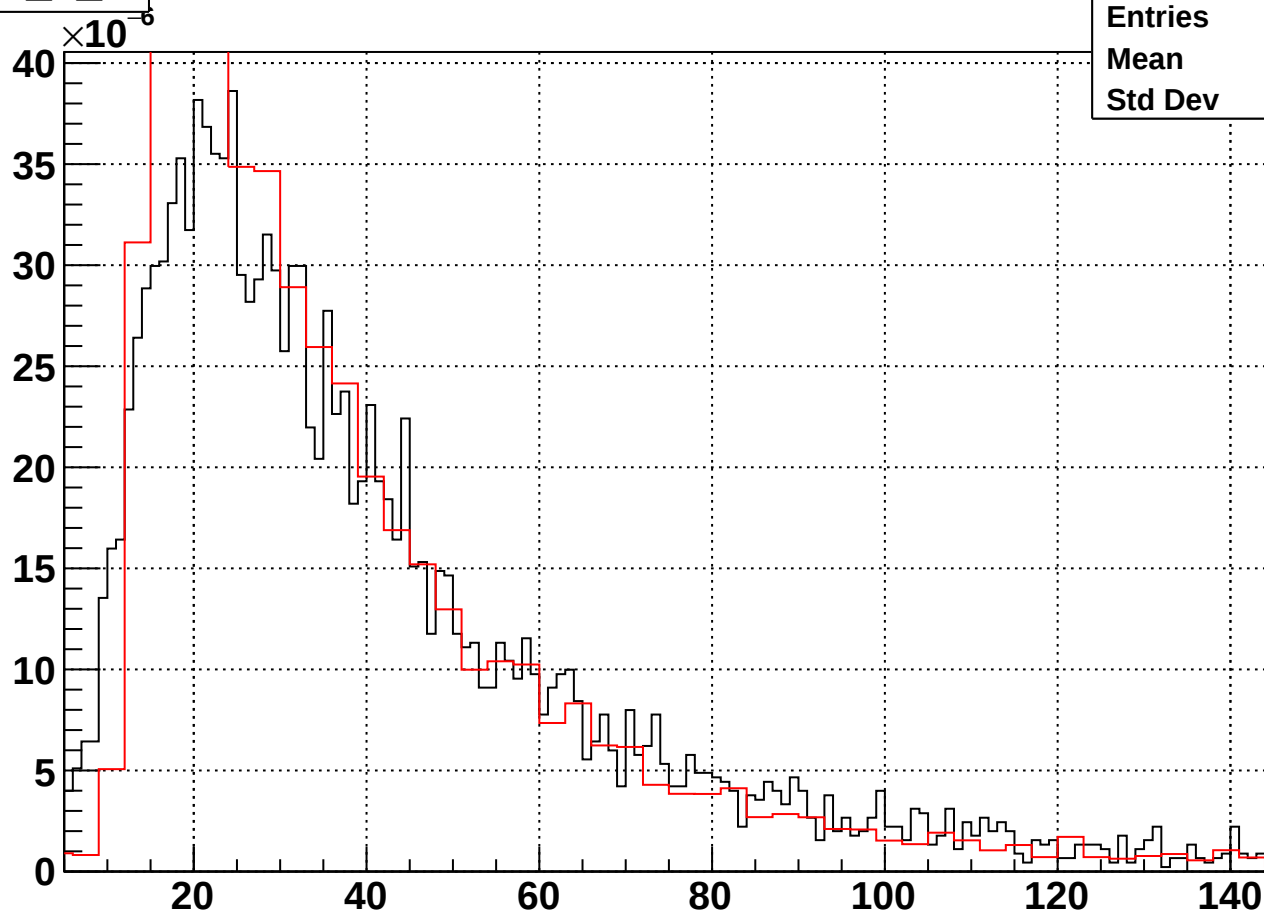
hL1_5_4**hL1_5_4**

Entries	7729
Mean	43.17
Std Dev	49.11



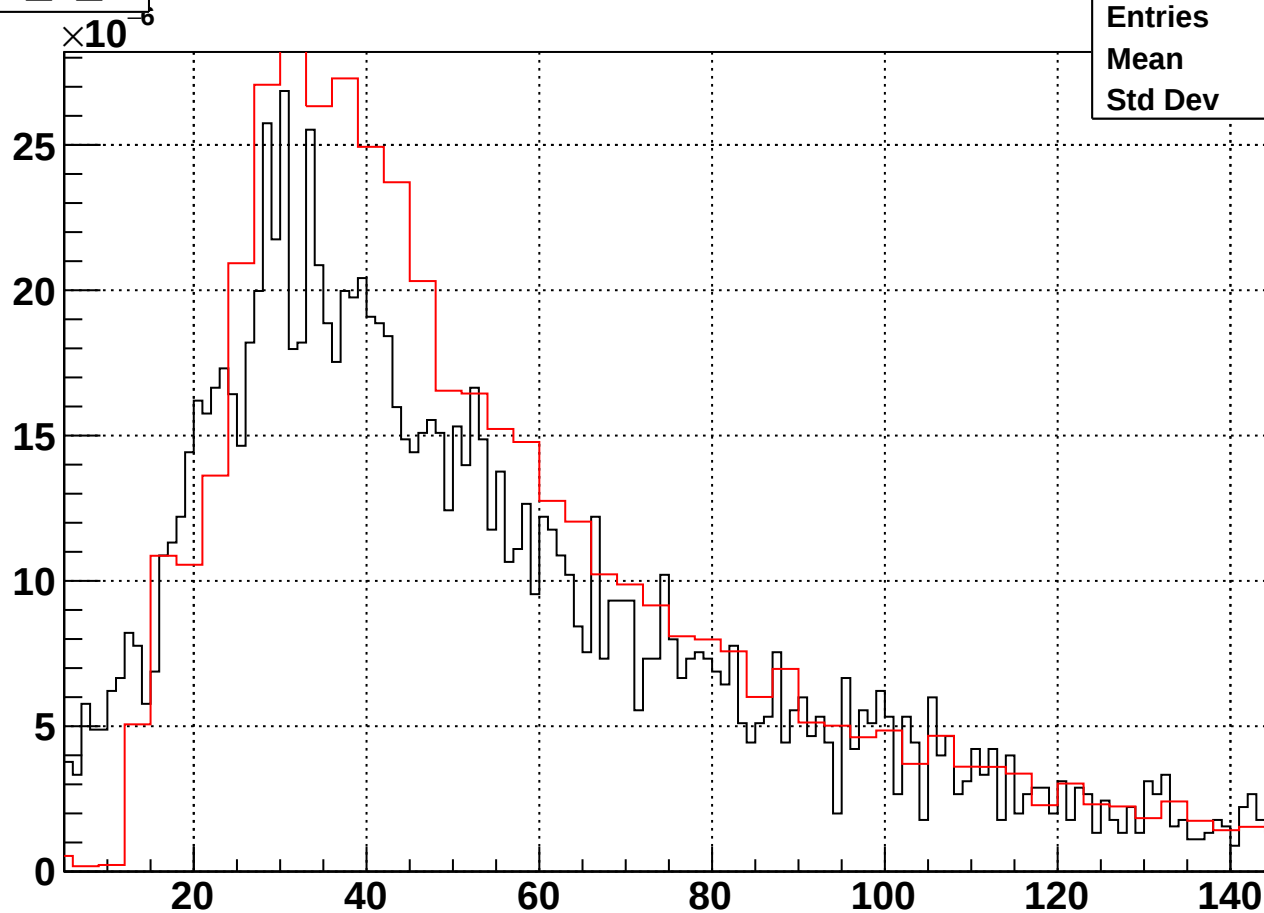
hL1_5_5**hL1_5_5**

Entries	13855
Mean	41.24
Std Dev	38.24

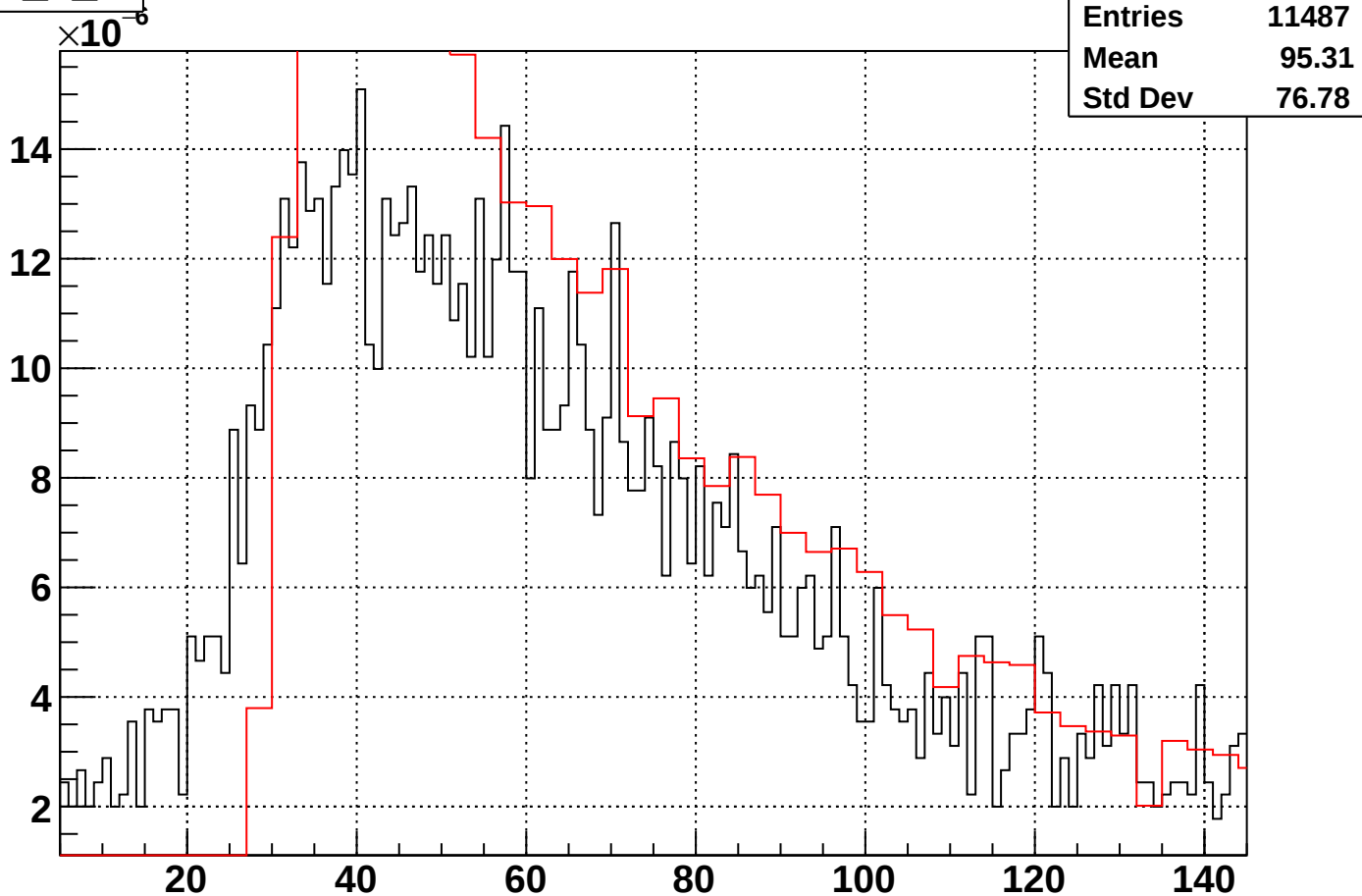


hL1_5_6**hL1_5_6**

Entries	13456
Mean	64.76
Std Dev	53.18



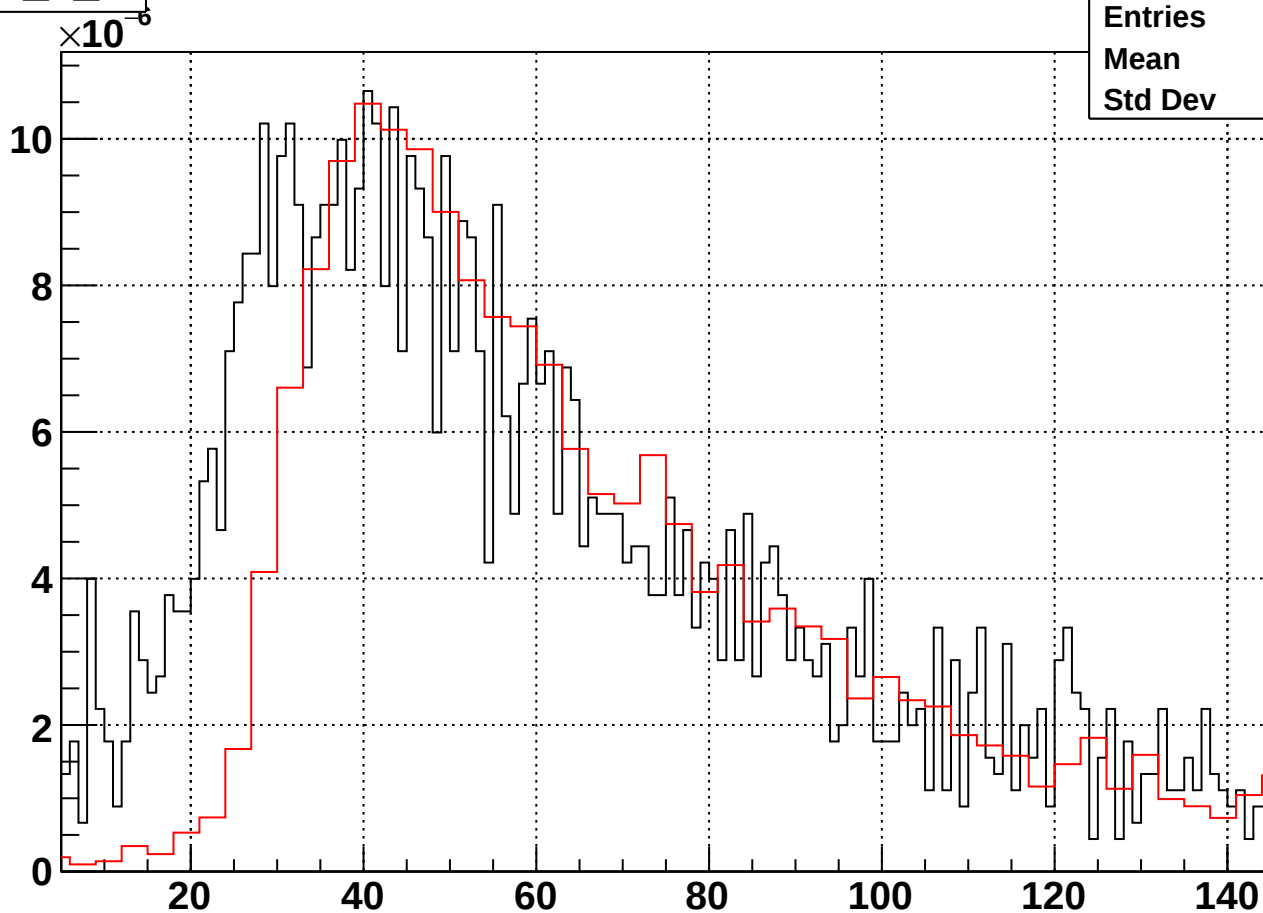
hL1_5_7



hL1_5_8

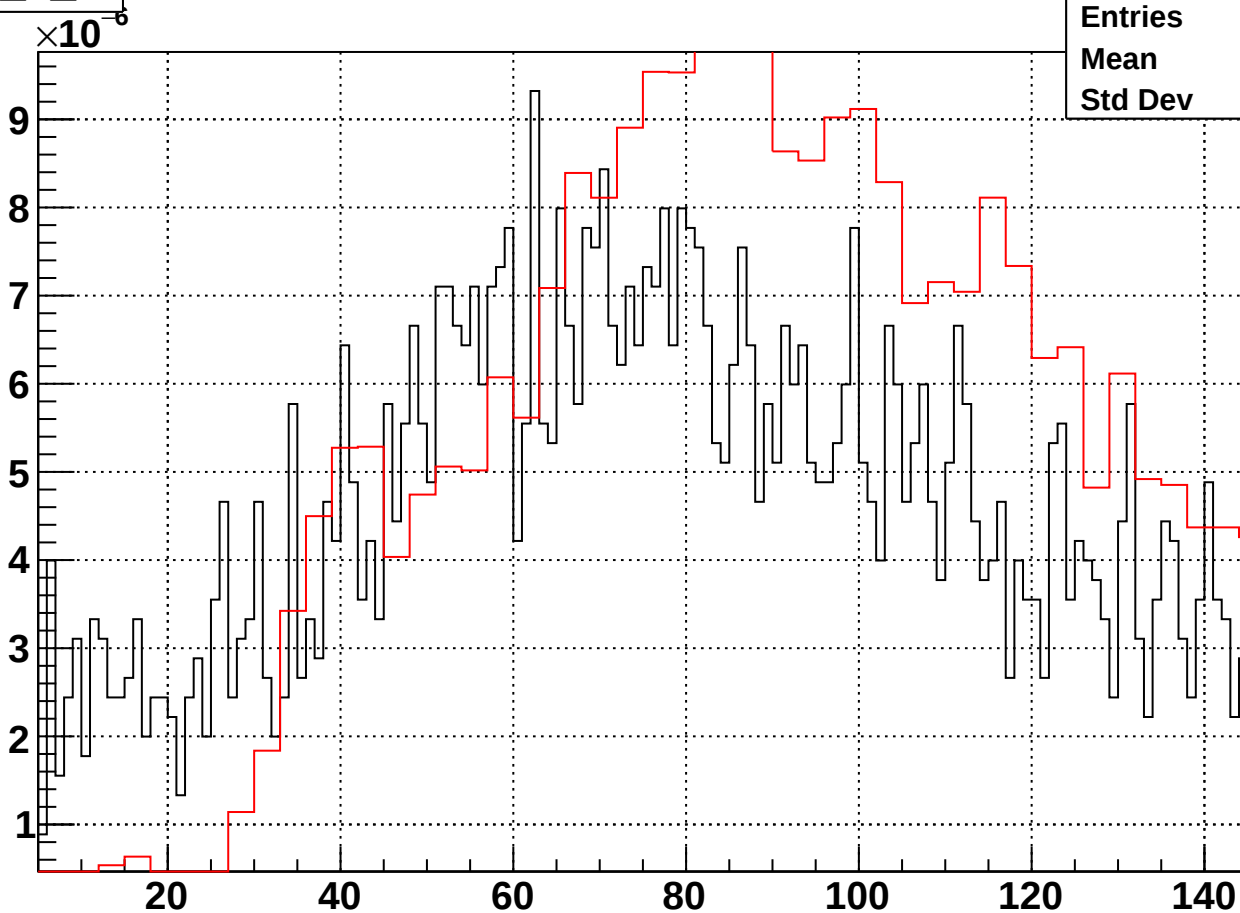
hL1_5_8

Entries	5439
Mean	78.57
Std Dev	57.22



hL1_5_9

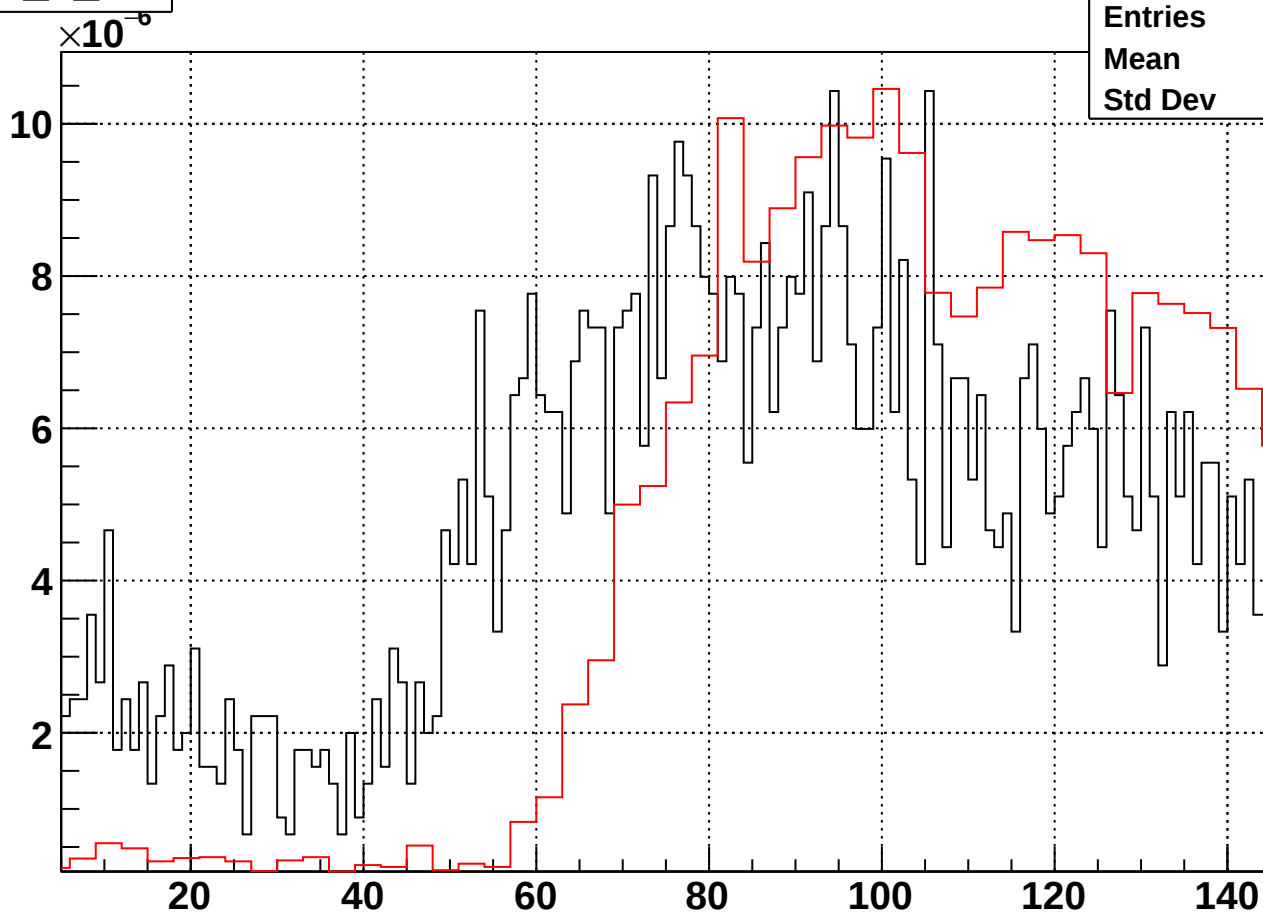
hL1_5_9	
Entries	11180
Mean	139.1
Std Dev	91.41



hL1_5_10

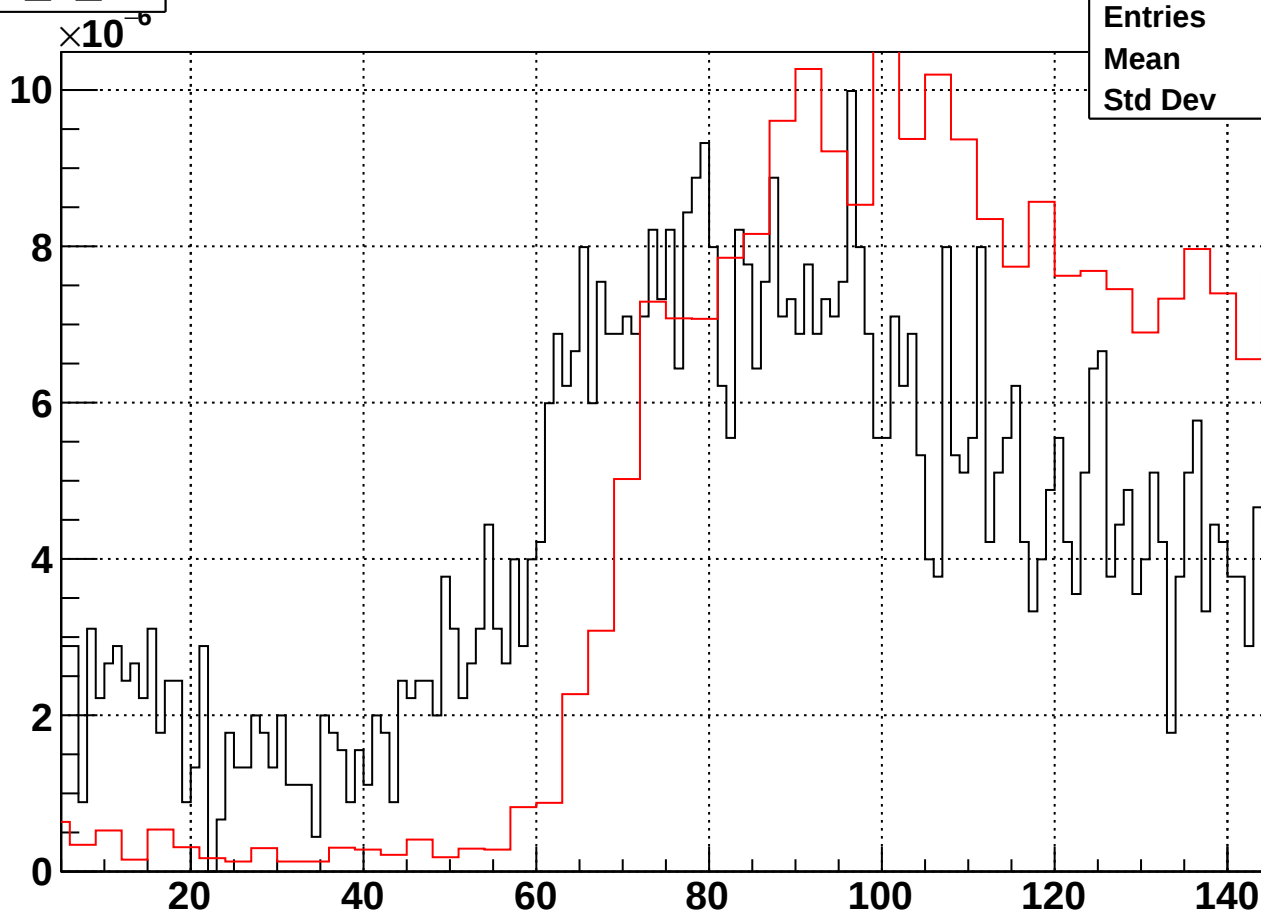
hL1_5_10

Entries	12854
Mean	181.9
Std Dev	105



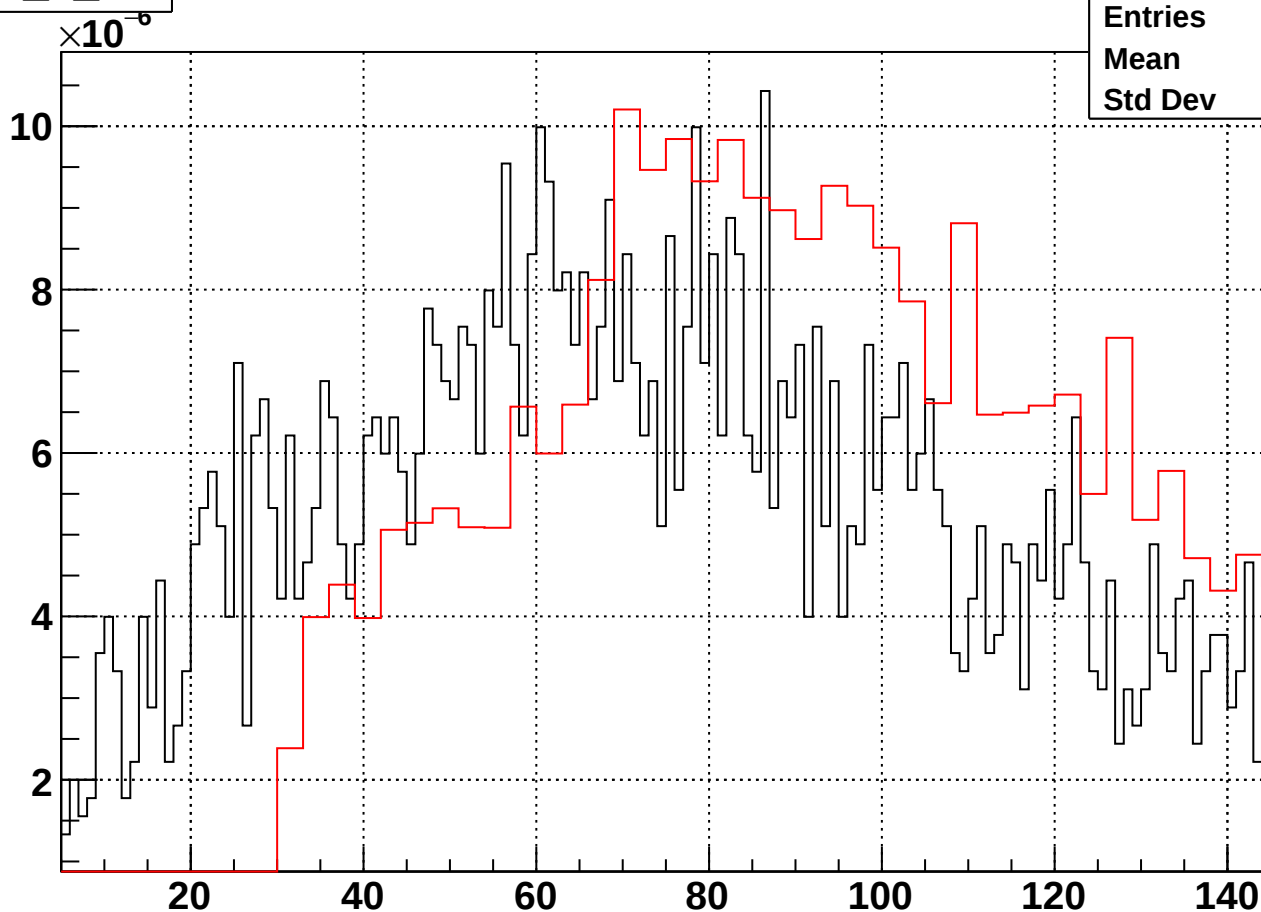
hL1_5_11**hL1_5_11**

Entries	12743
Mean	180.3
Std Dev	103.9



hL1_5_12**hL1_5_12**

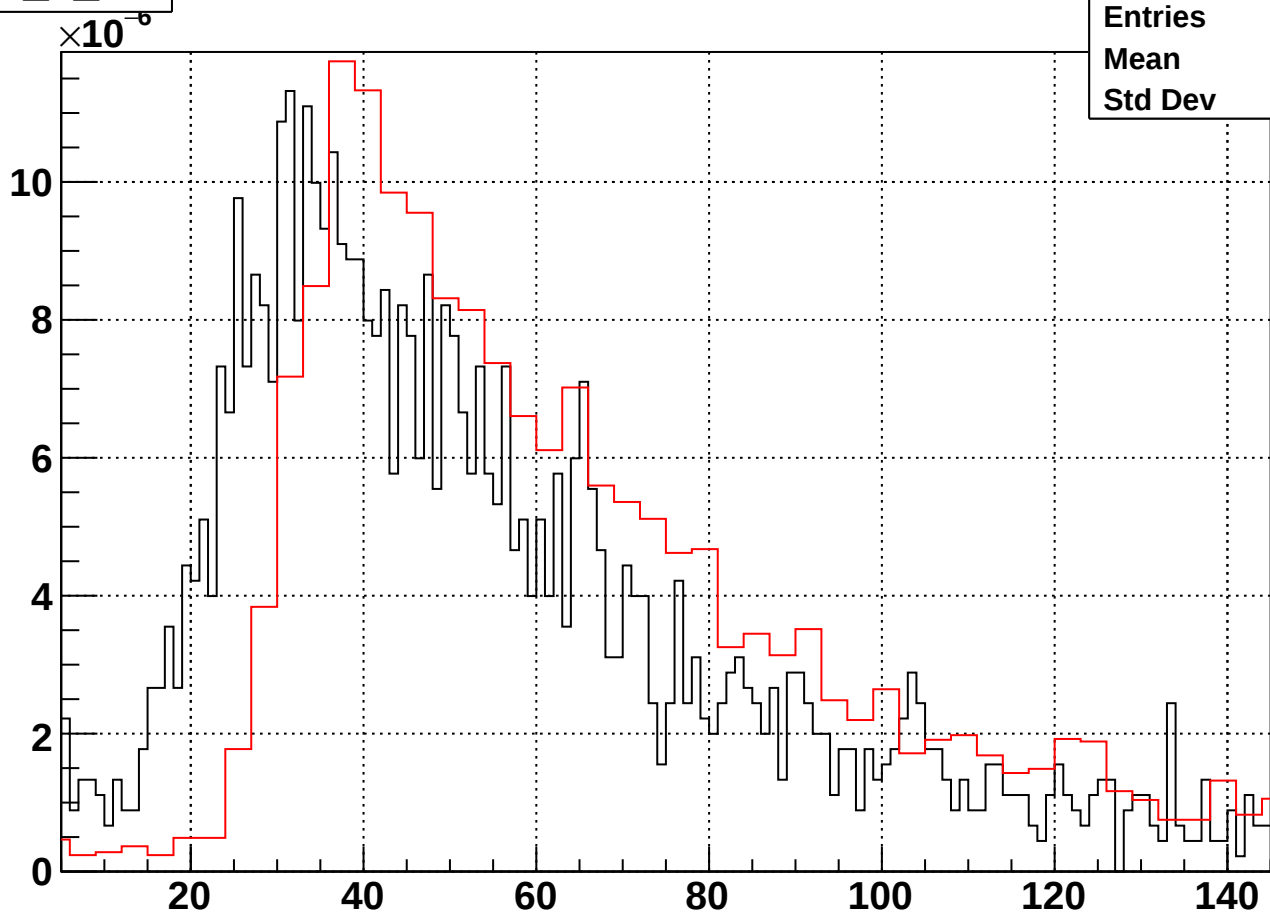
Entries	11112
Mean	137.1
Std Dev	87.49



hL1_5_13

hL1_5_13

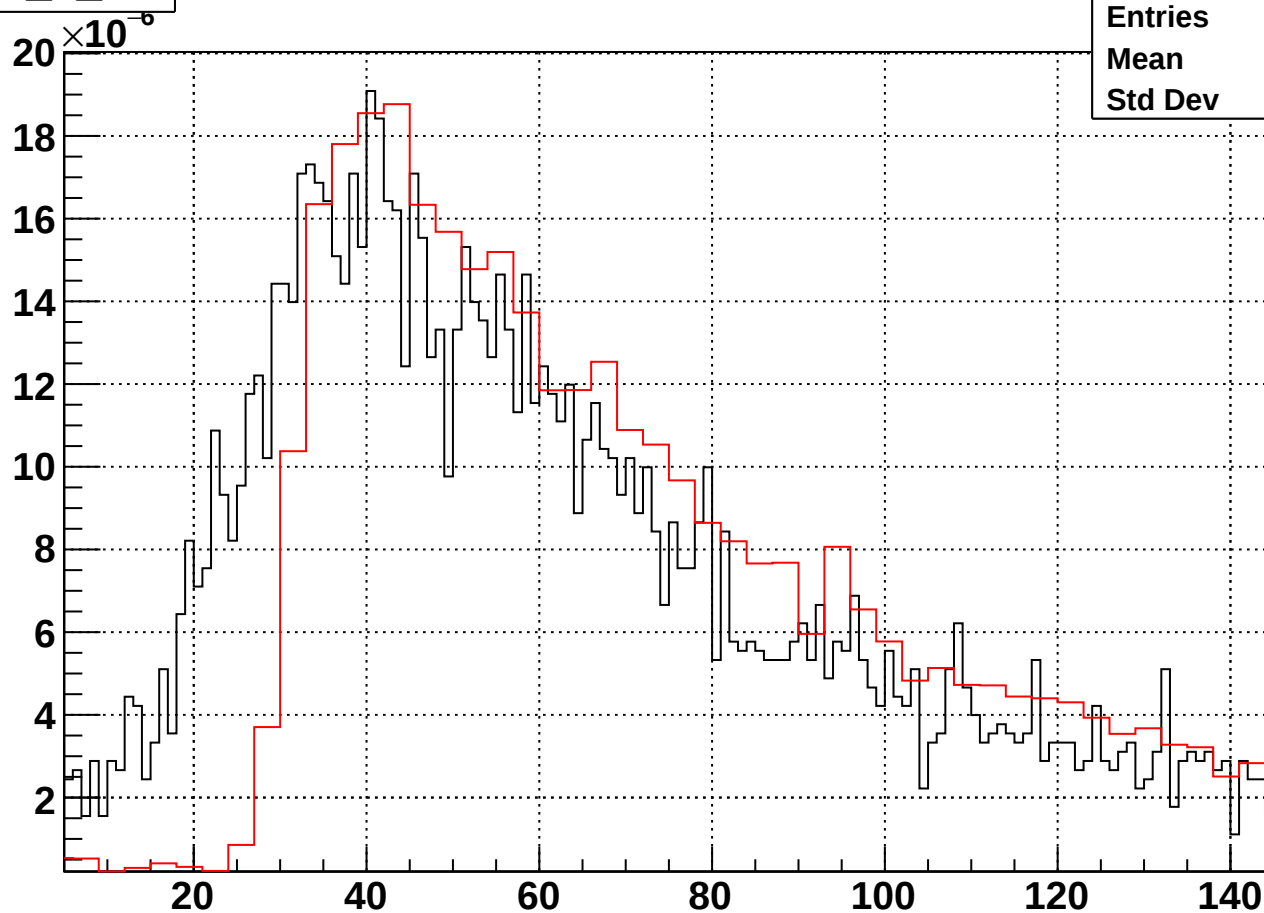
Entries	5434
Mean	77.78
Std Dev	59.16



hL1_5_14

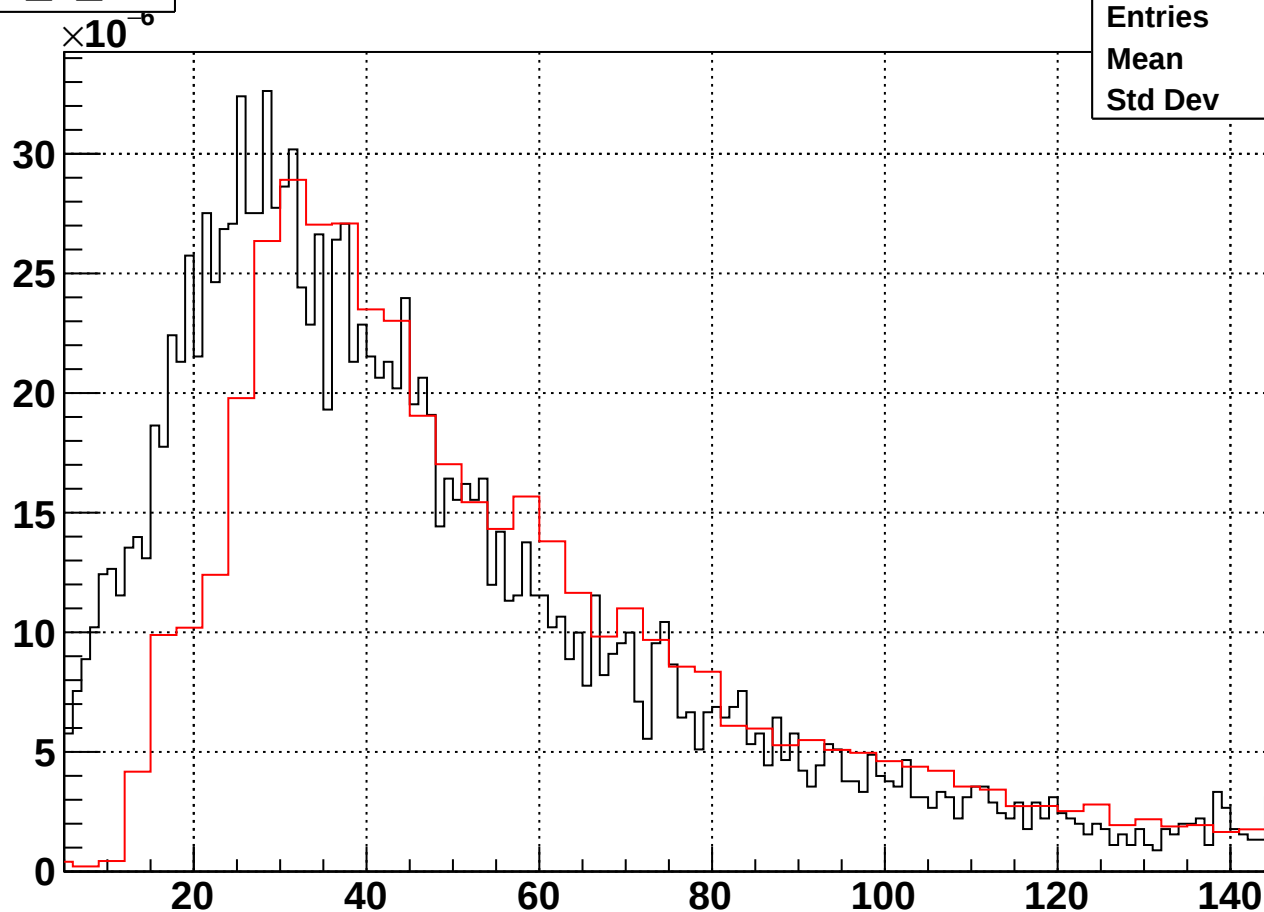
hL1_5_14

Entries	11536
Mean	96.03
Std Dev	75.74



hL1_5_15**hL1_5_15**

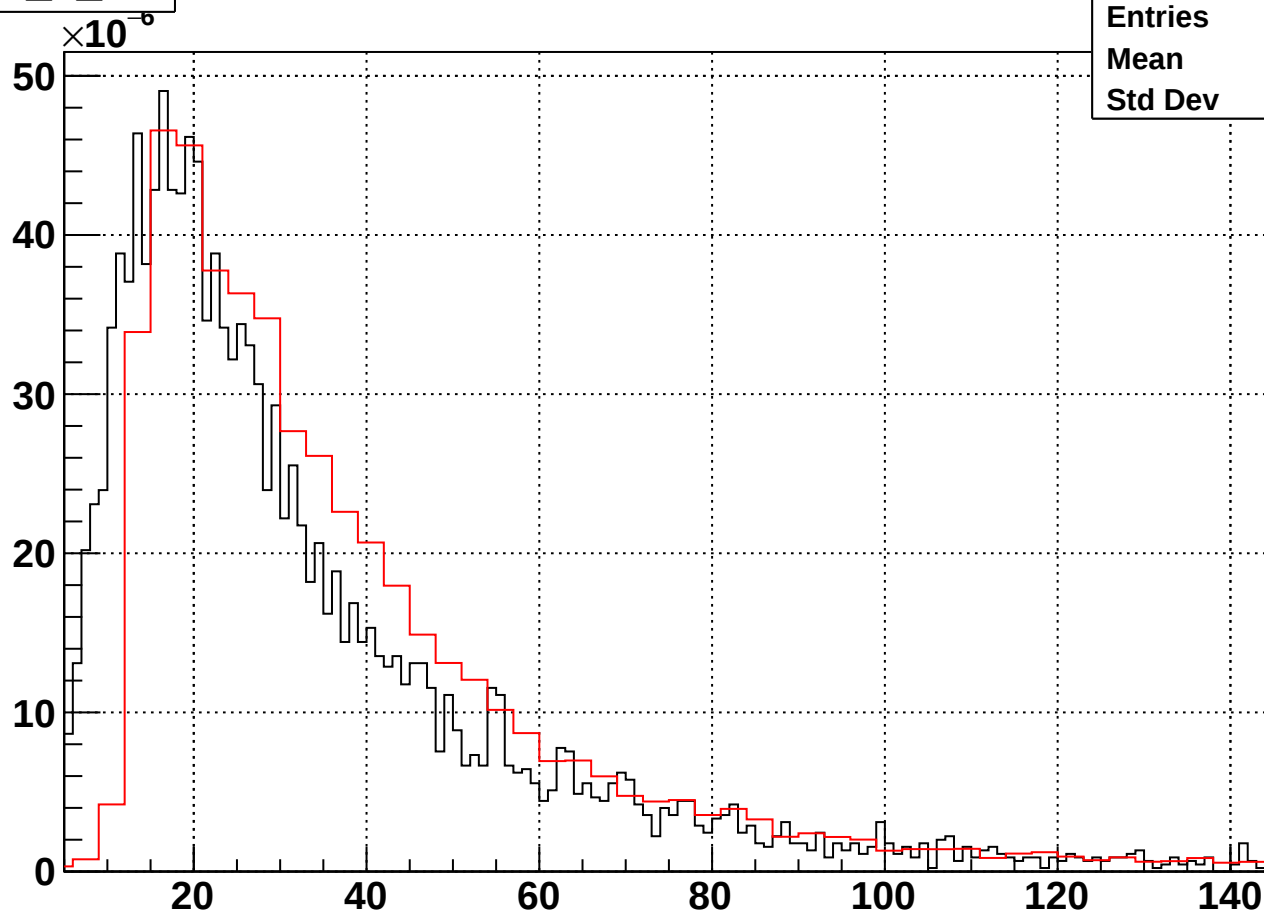
Entries	13156
Mean	63.94
Std Dev	50.38



hL1_5_16

hL1_5_16

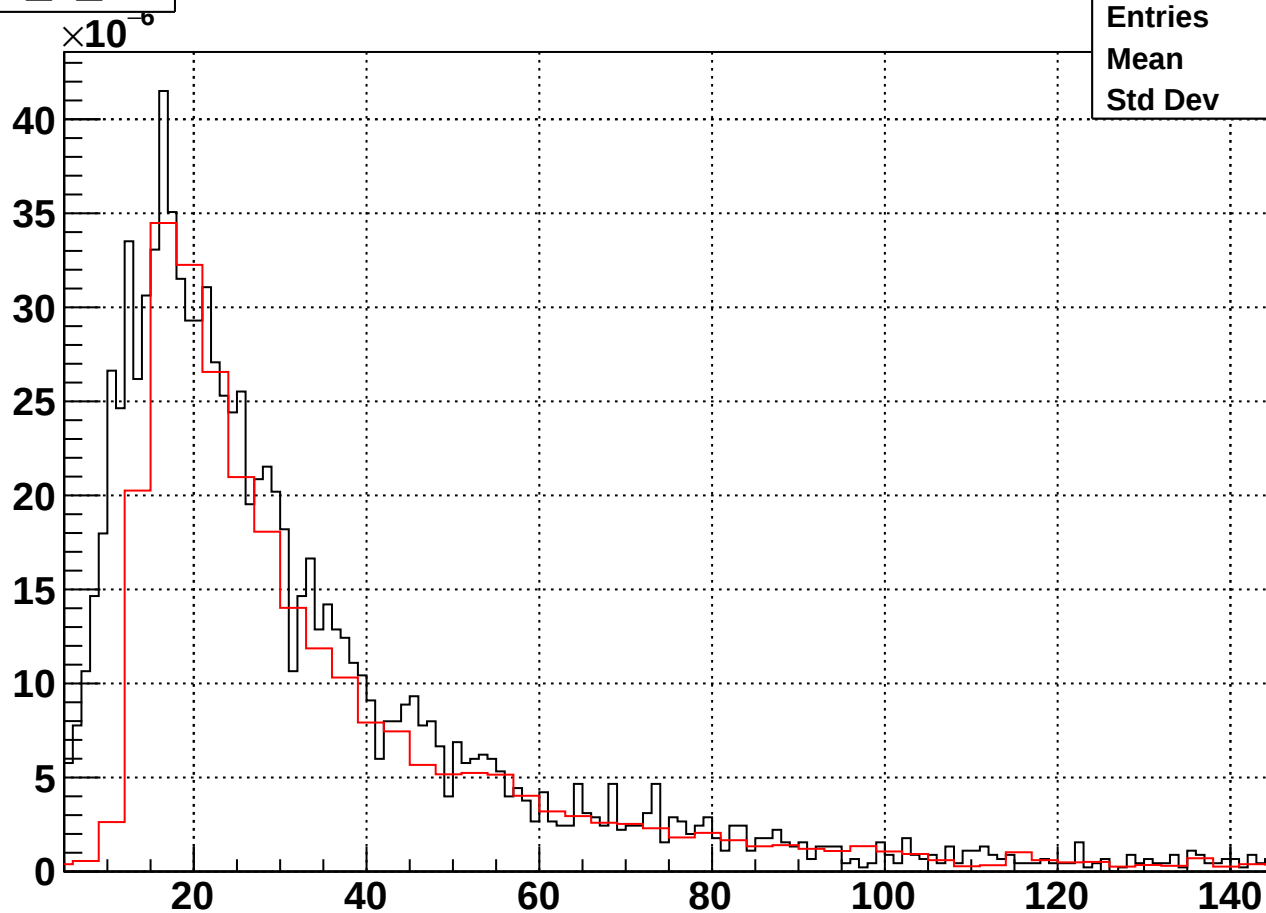
Entries	13617
Mean	40.46
Std Dev	34.76



hL1_5_17

hL1_5_17

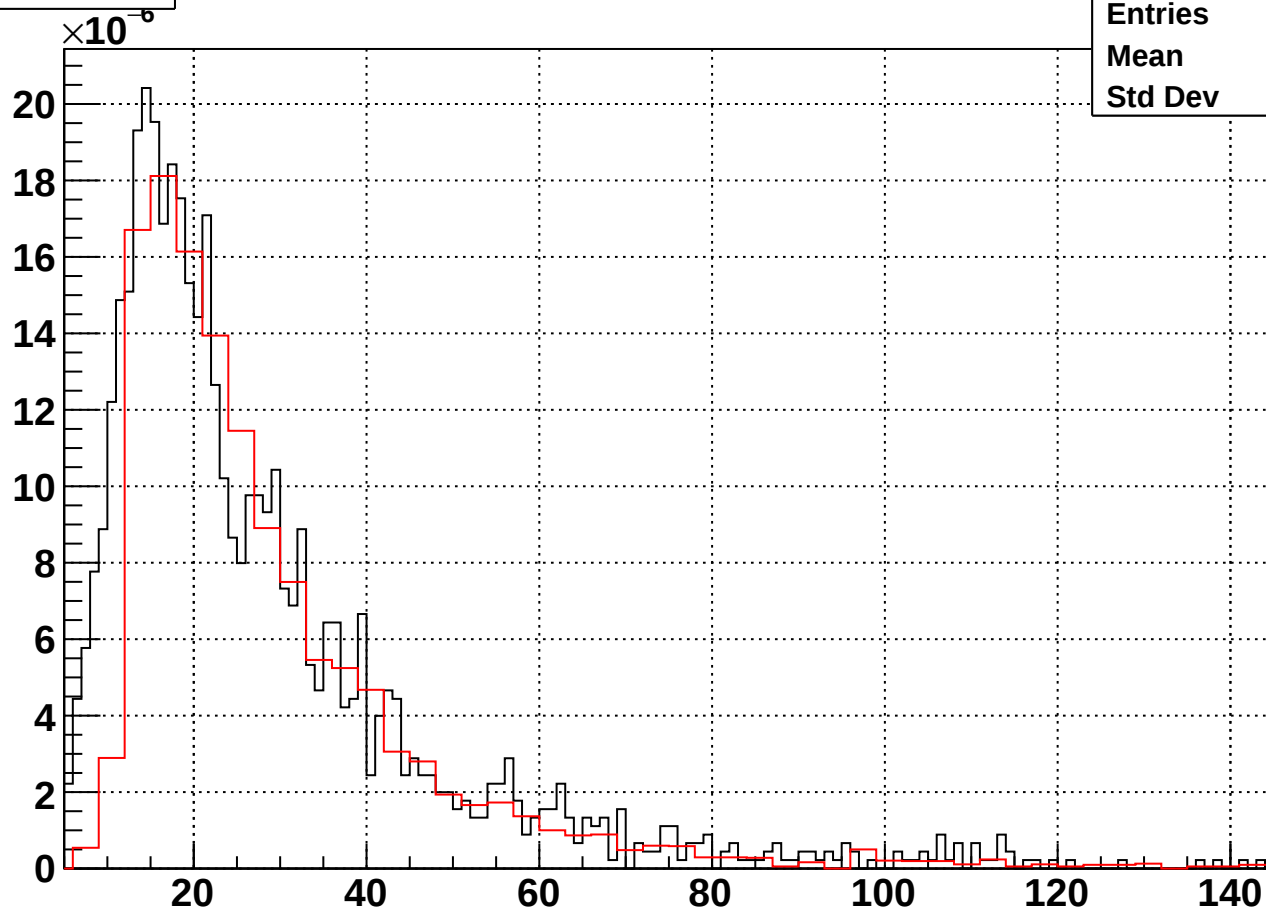
Entries	7782
Mean	42.49
Std Dev	49.06



hL1_5_18

hL1_5_18

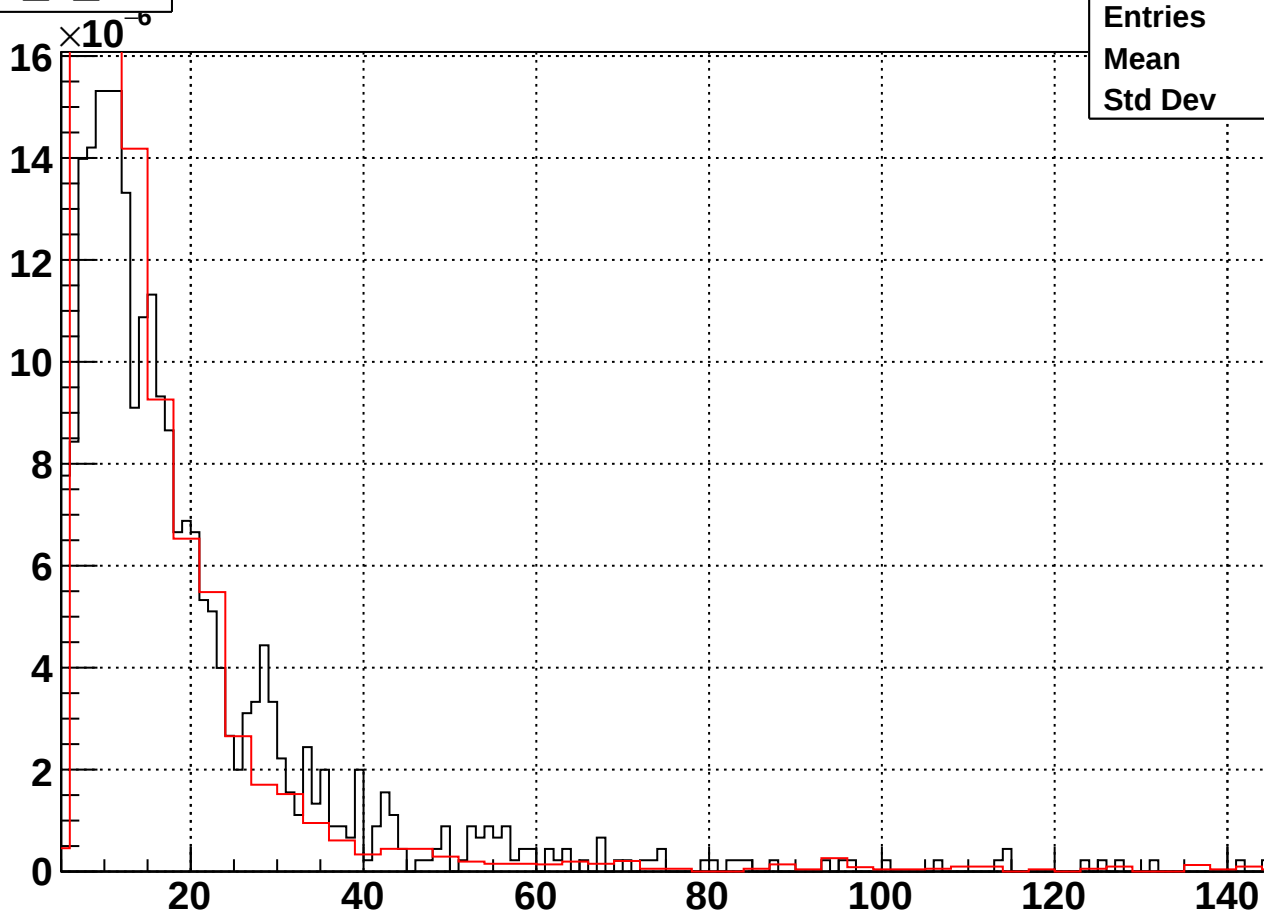
Entries	3698
Mean	30.83
Std Dev	28.86



hL1_5_19

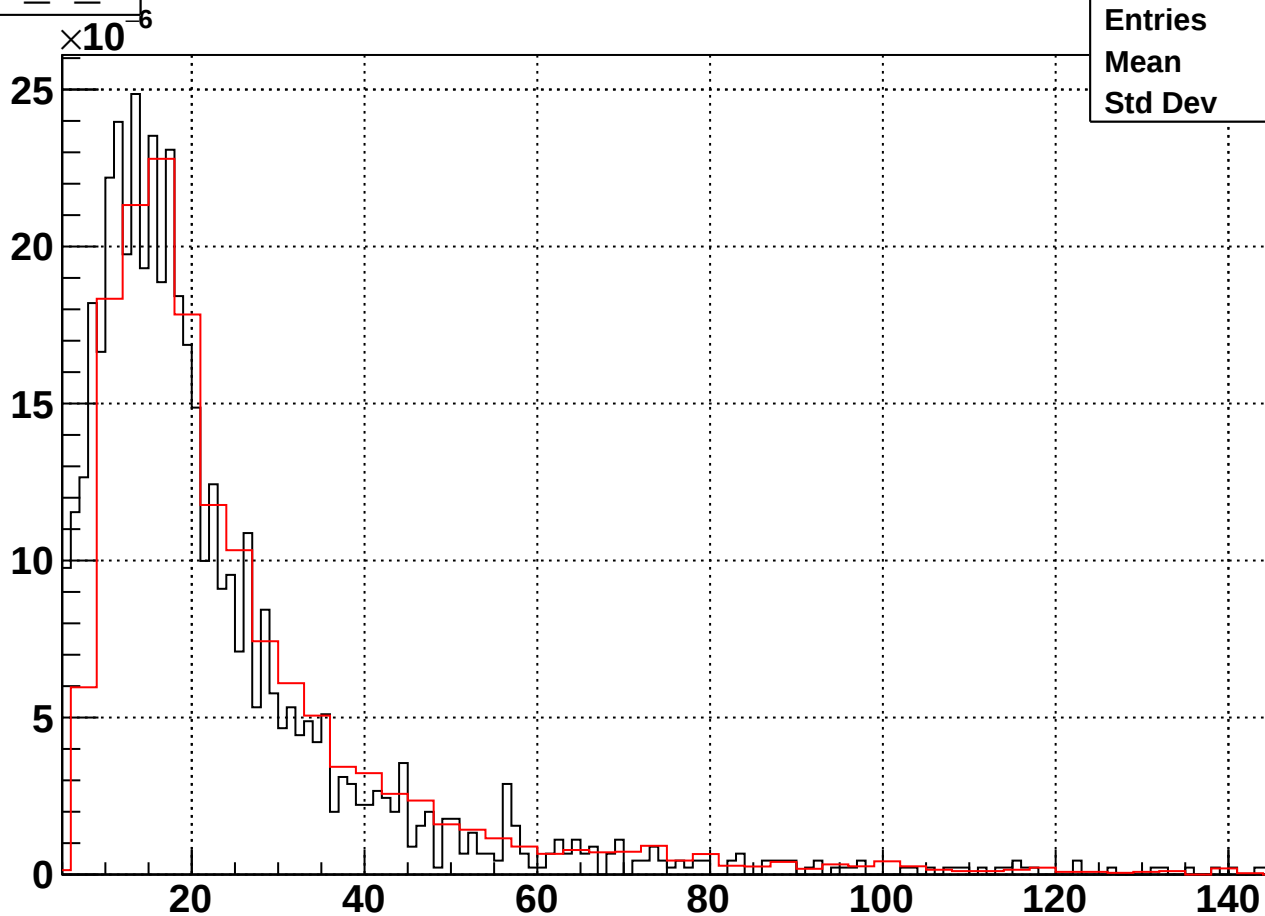
hL1_5_19

Entries	2473
Mean	19.39
Std Dev	30.66



hL1_6_1**hL1_6_1**

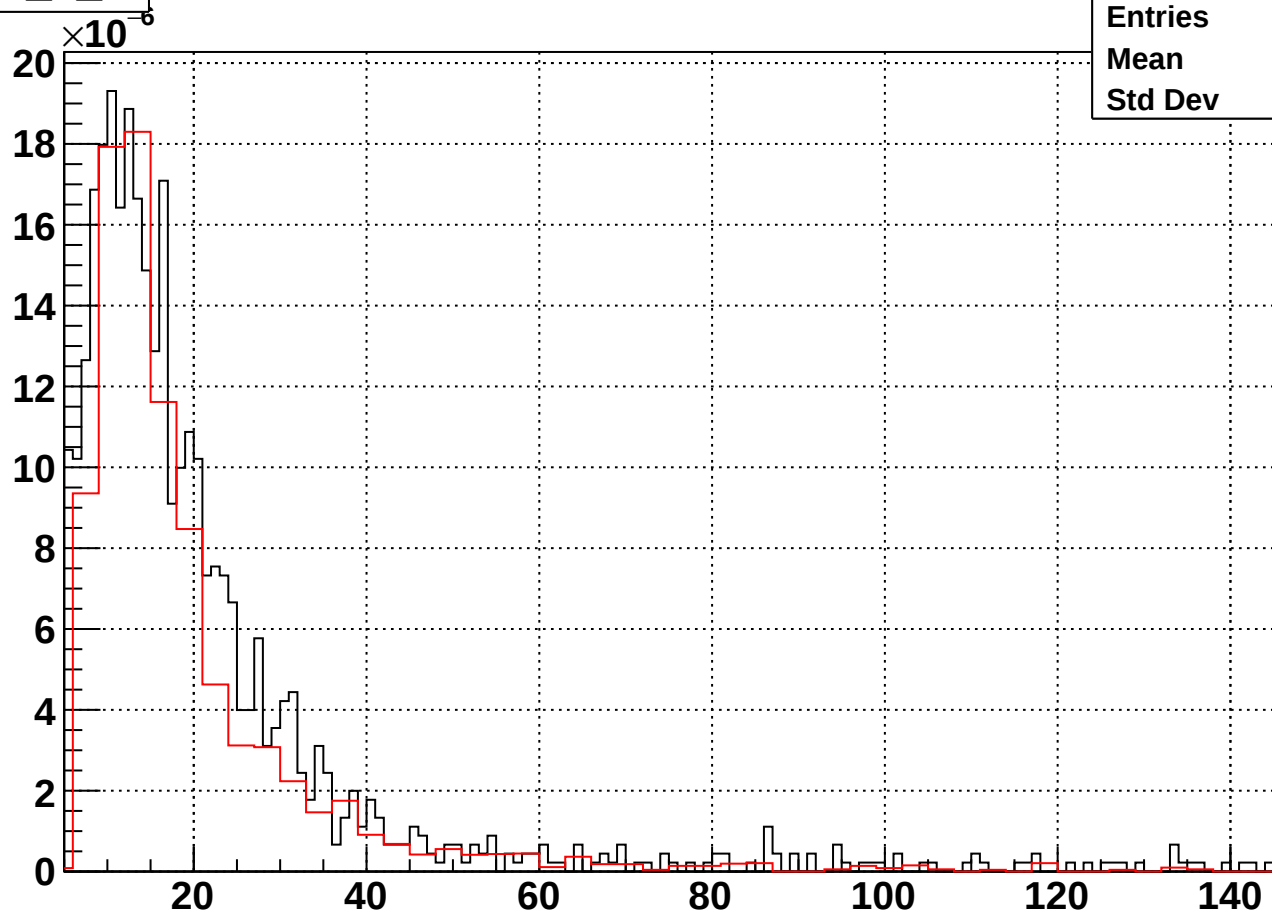
Entries	4285
Mean	28.62
Std Dev	36.28



hL1_6_2

hL1_6_2

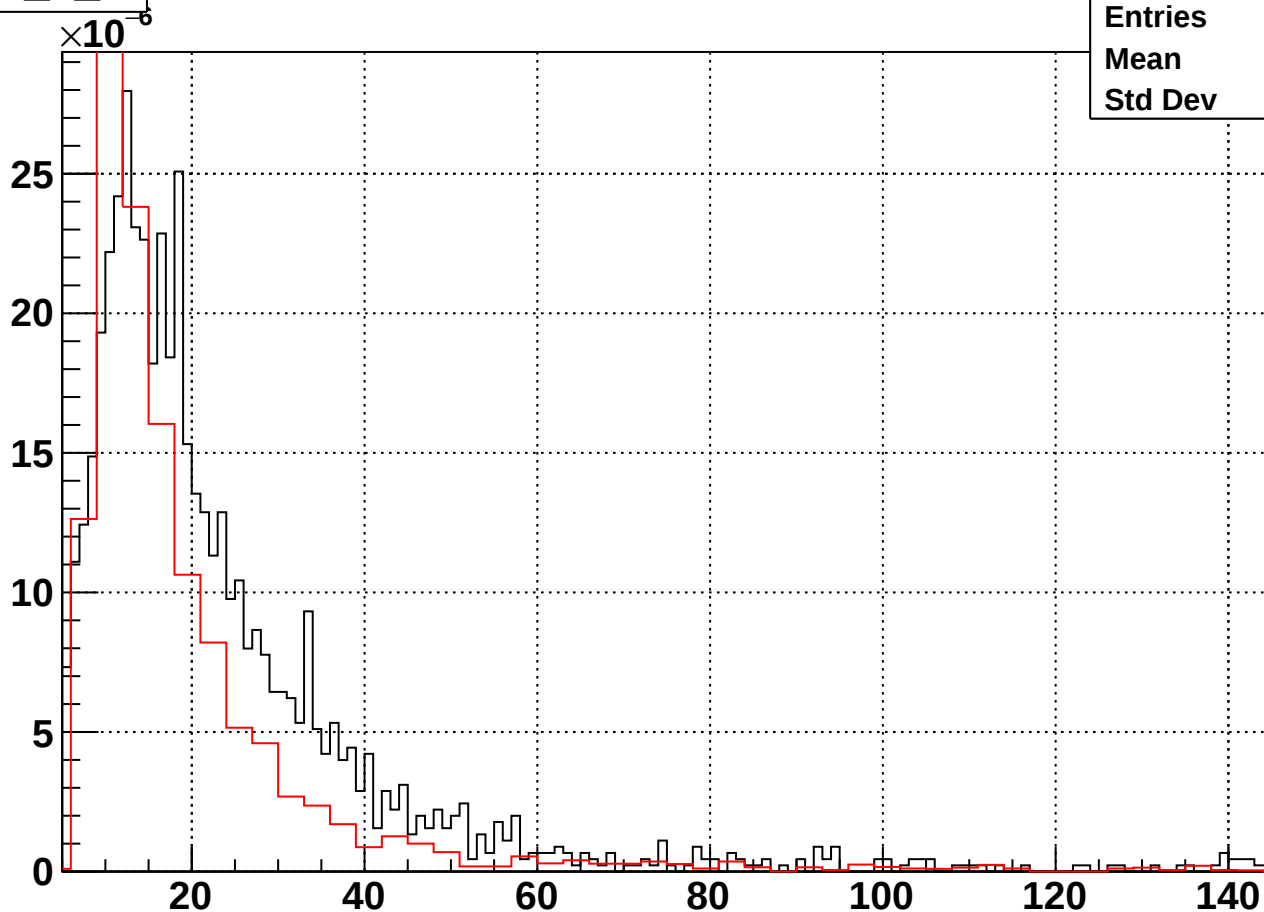
Entries	2483
Mean	21.46
Std Dev	28.78



hL1_6_3

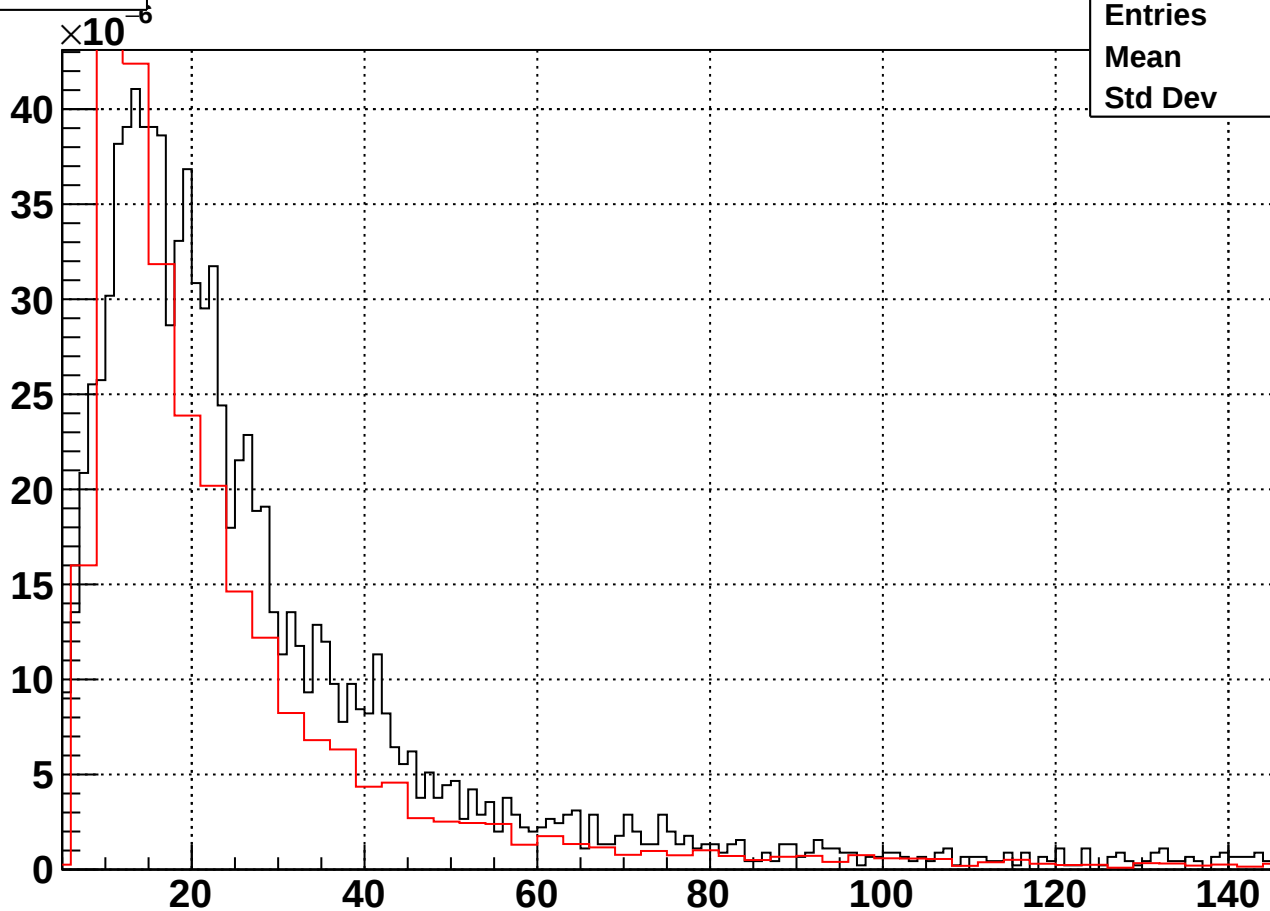
hL1_6_3

Entries	3605
Mean	22.01
Std Dev	30.14



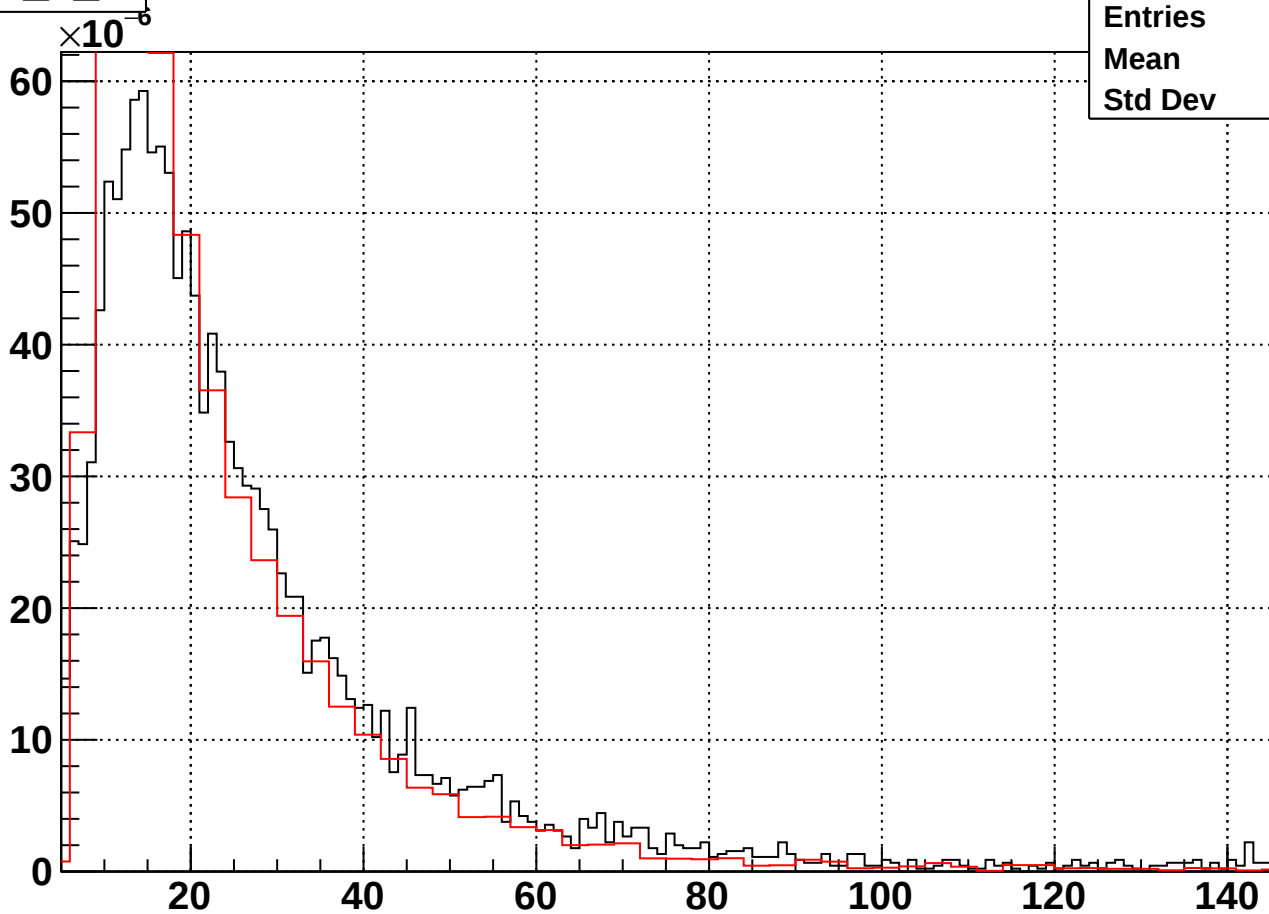
hL1_6_4**hL1_6_4**

Entries	7757
Mean	28.78
Std Dev	41



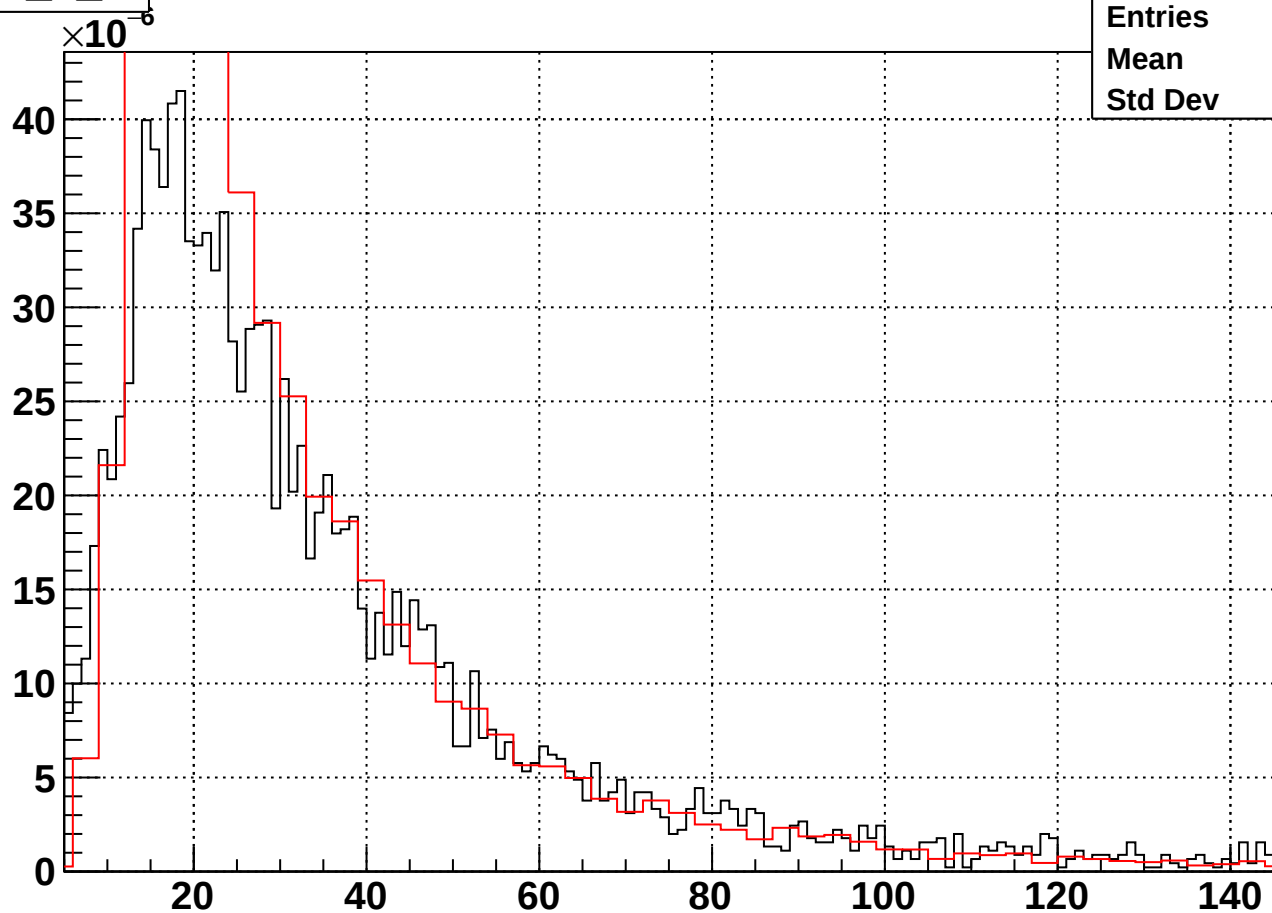
hL1_6_5**hL1_6_5**

Entries	13847
Mean	25.18
Std Dev	27.01



hL1_6_6**hL1_6_6**

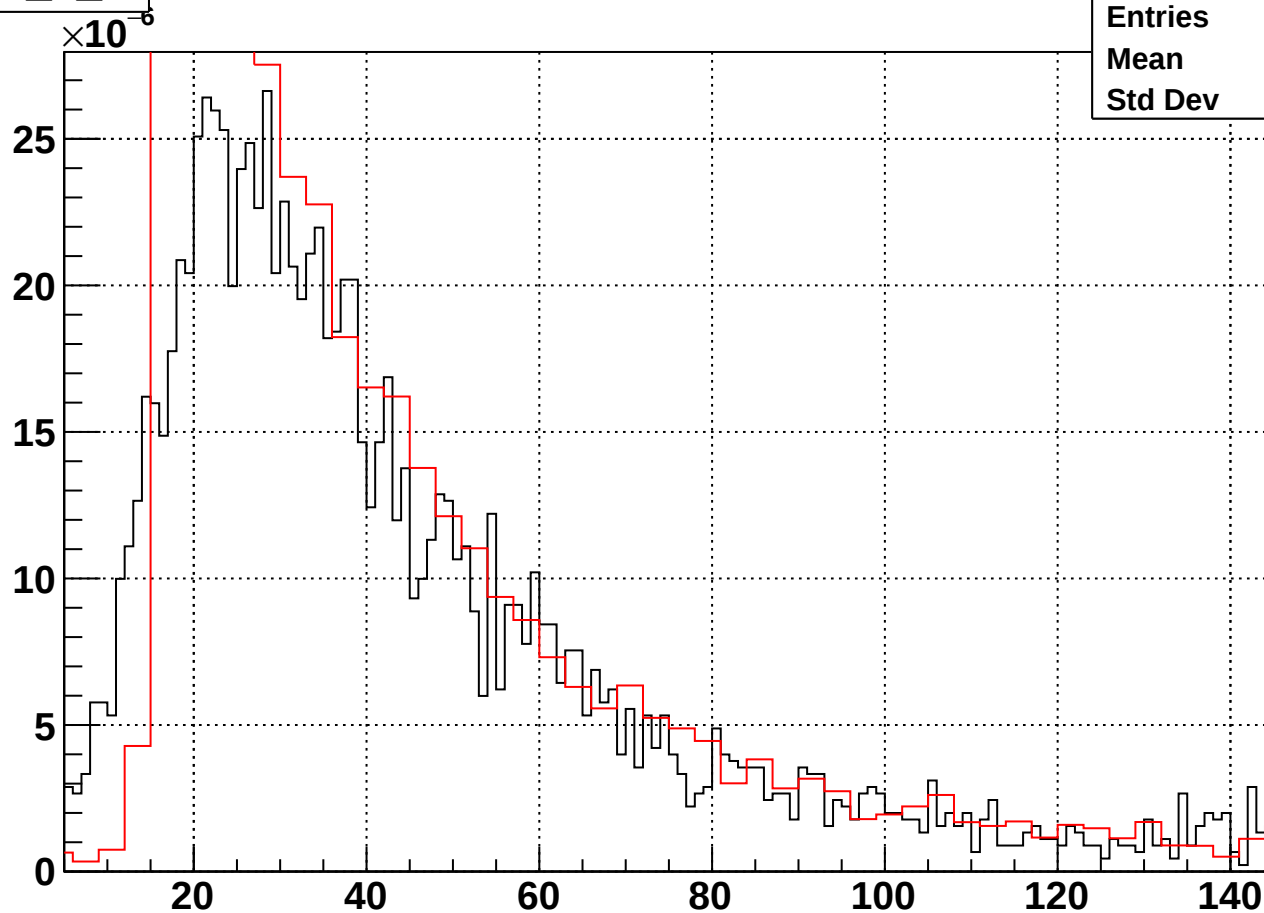
Entries	13464
Mean	35.48
Std Dev	36.33



hL1_6_7

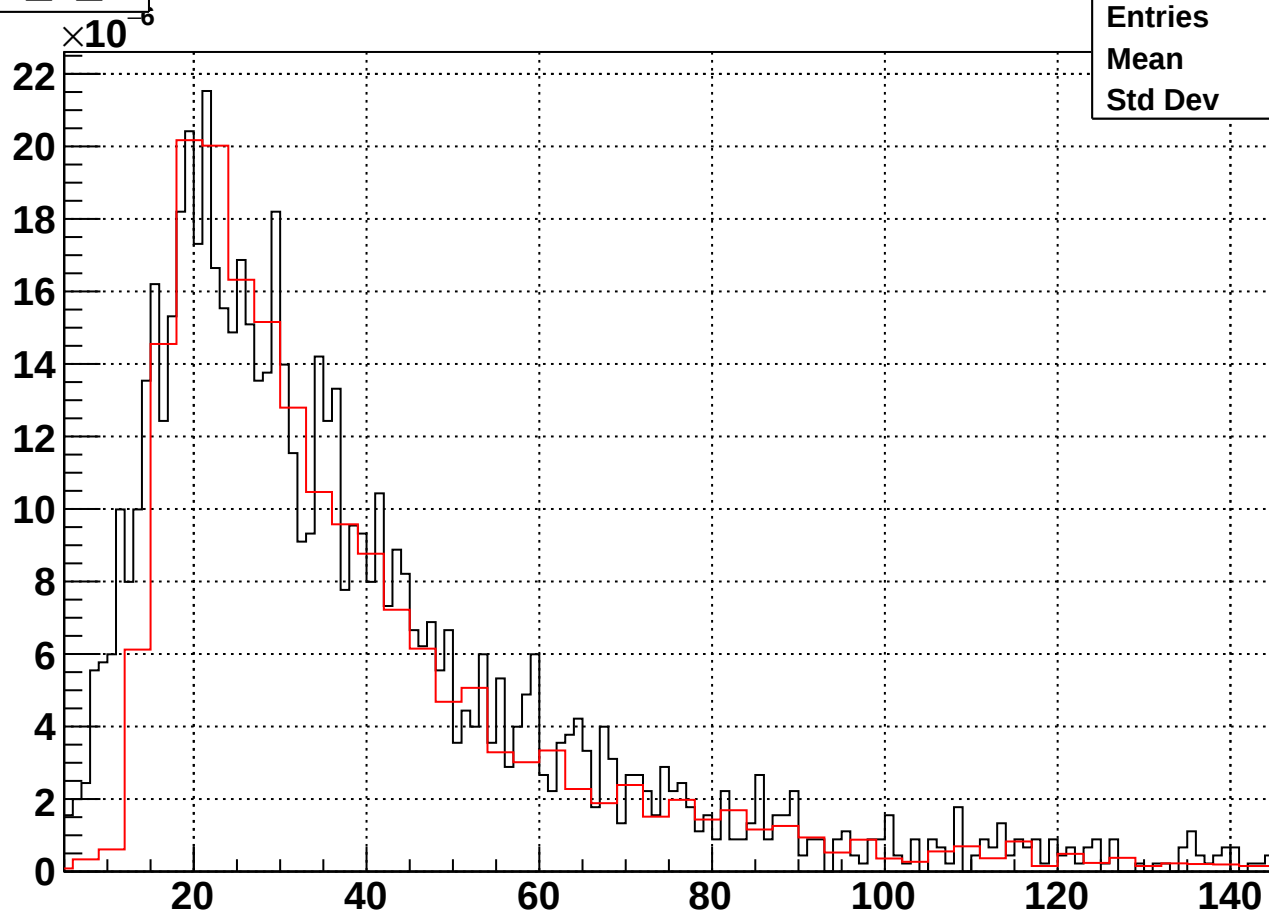
hL1_6_7

Entries	11516
Mean	50.24
Std Dev	47.61



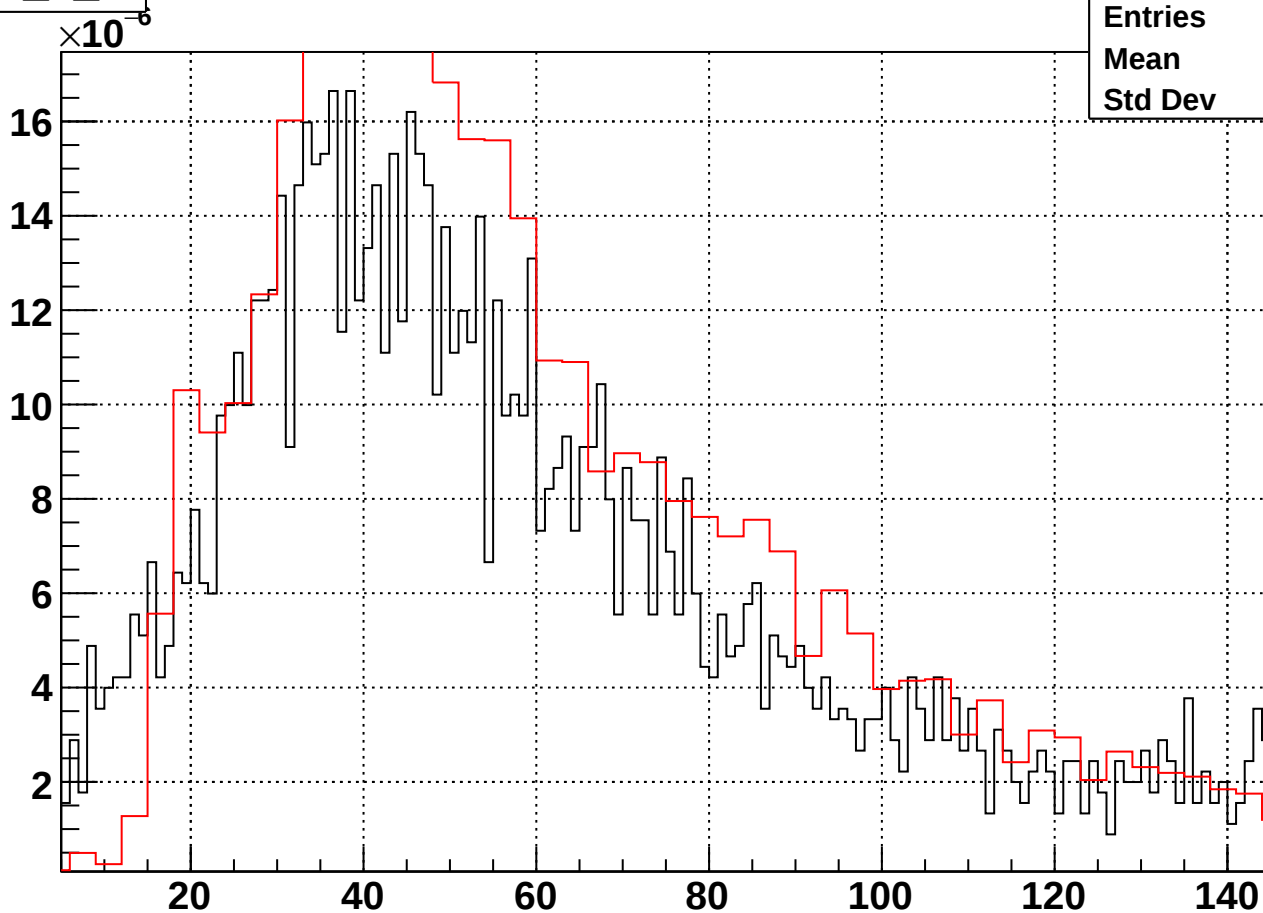
hL1_6_8**hL1_6_8**

Entries	5437
Mean	41.58
Std Dev	38.41



hL1_6_9

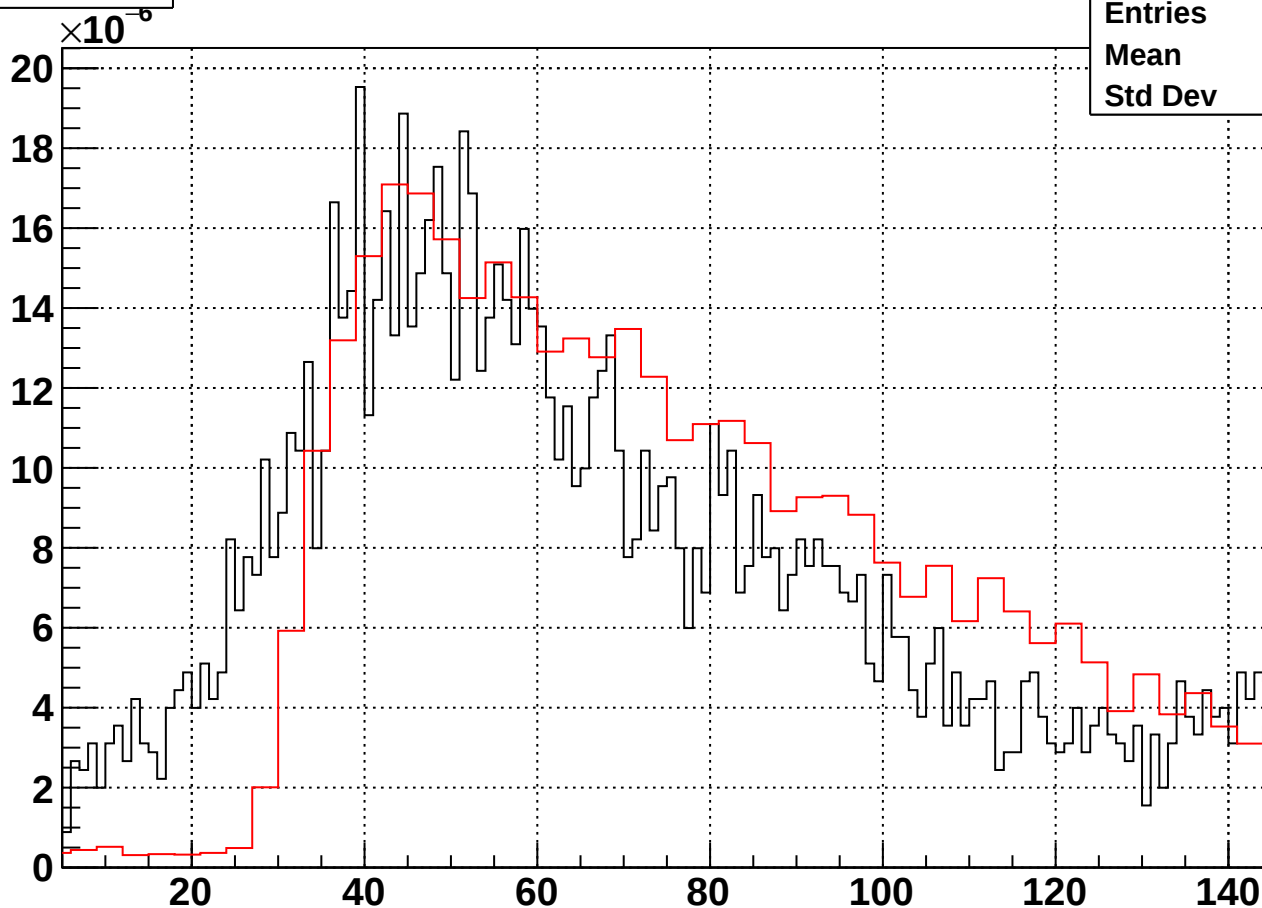
hL1_6_9	
Entries	11257
Mean	70.62
Std Dev	53.09

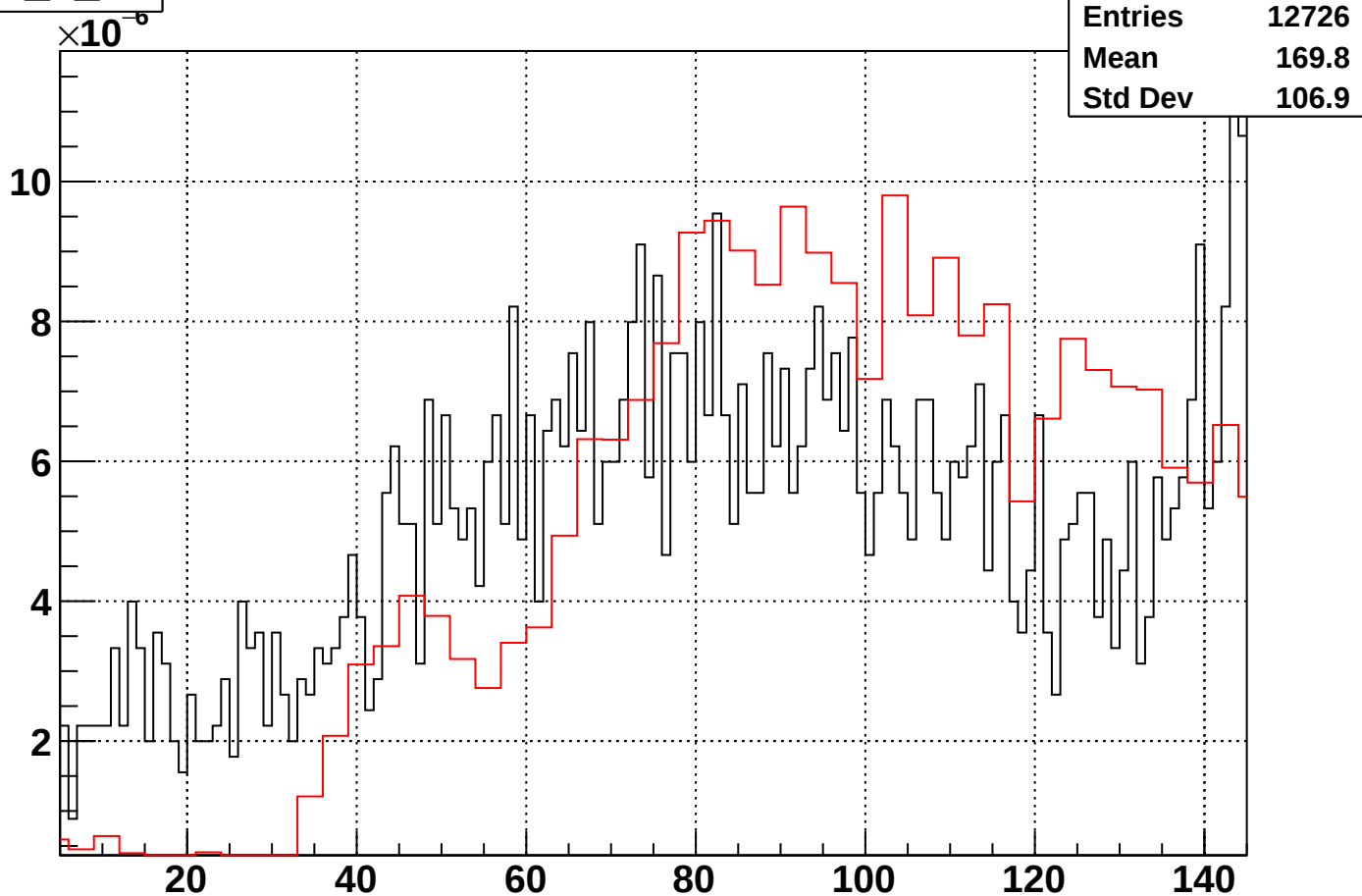


hL1_6_10

hL1_6_10

Entries	13037
Mean	103.7
Std Dev	74.61

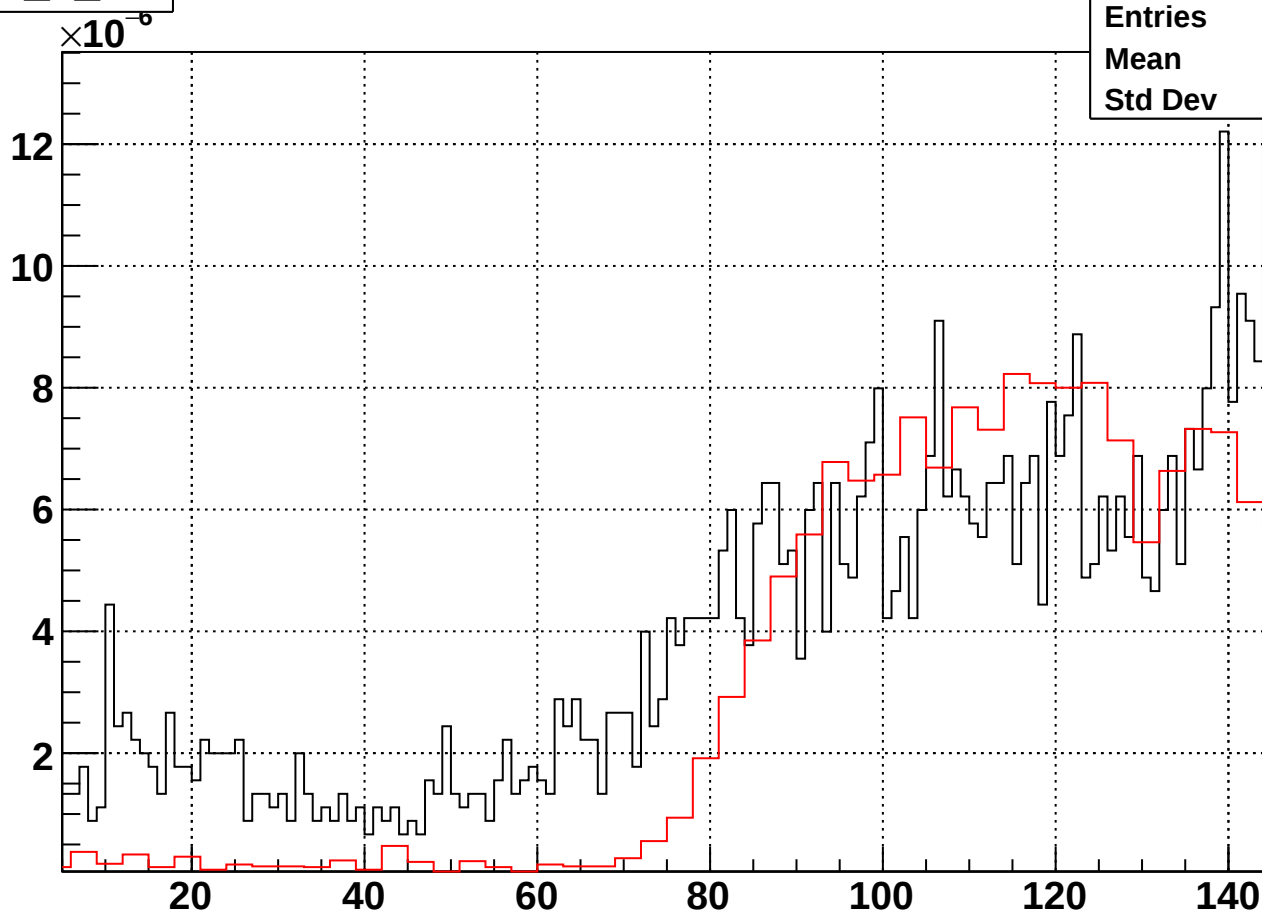


hL1_6_11

hL1_6_12

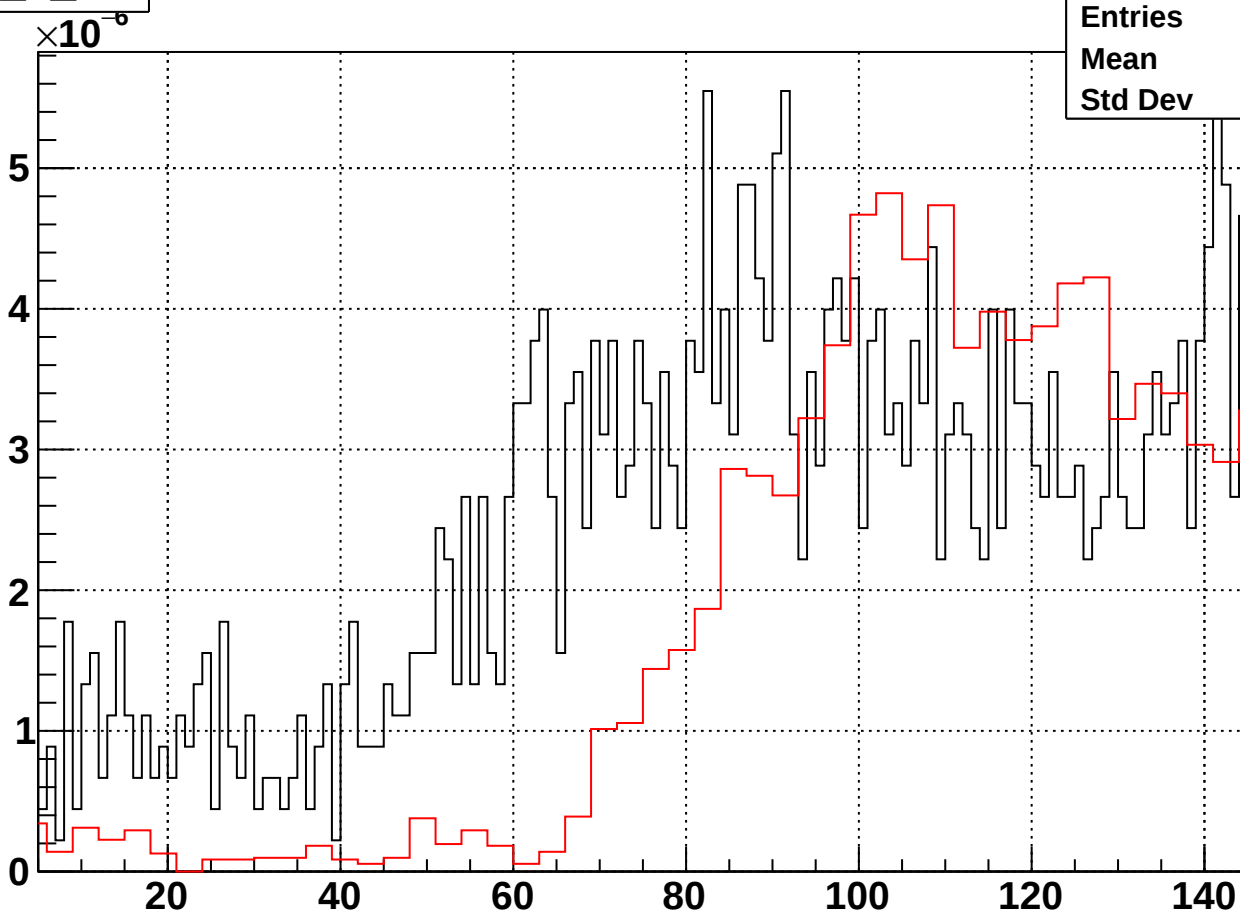
hL1_6_12

Entries	10933
Mean	201.6
Std Dev	106.2



hL1_6_13

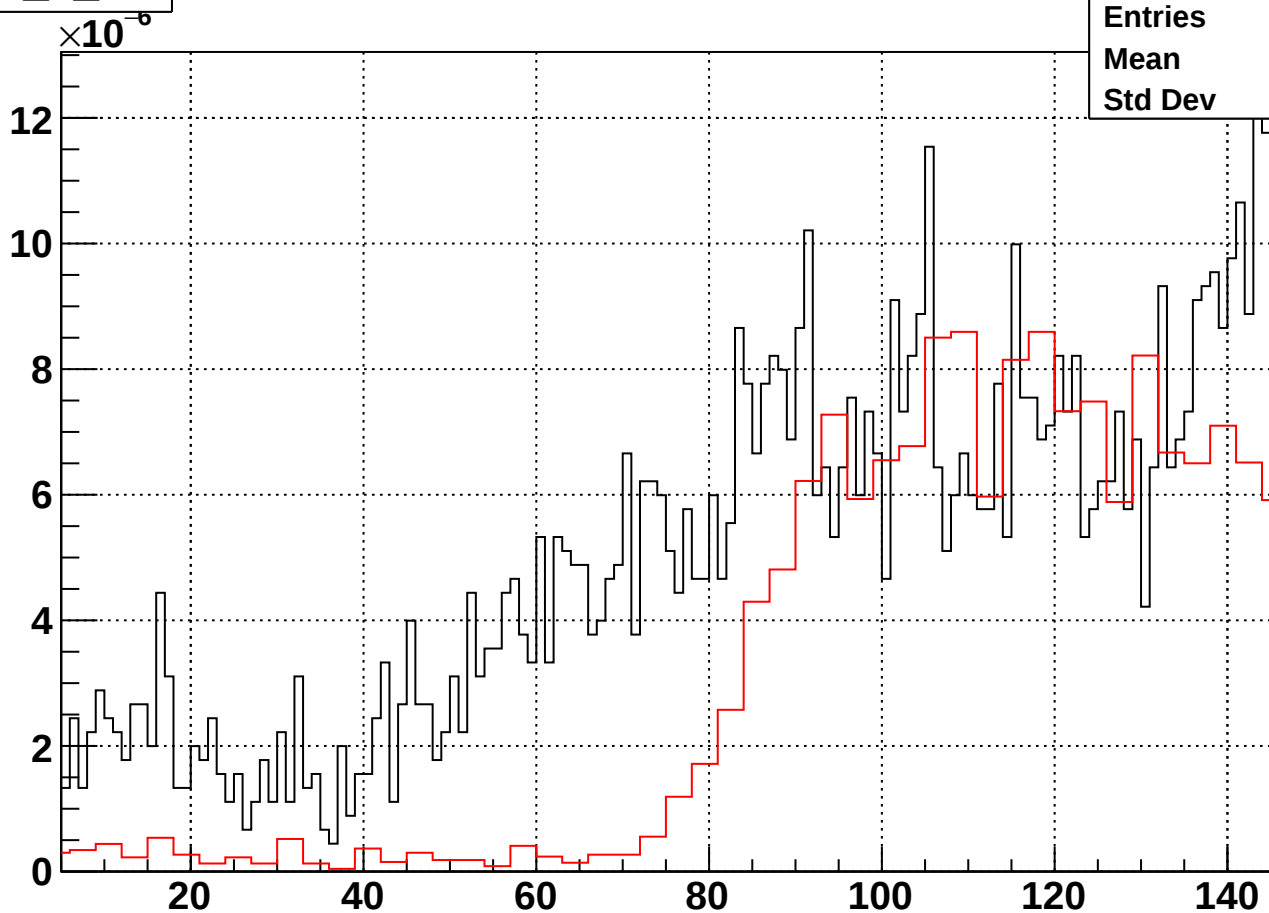
hL1_6_13	
Entries	5328
Mean	184.6
Std Dev	100.7



hL1_6_14

hL1_6_14

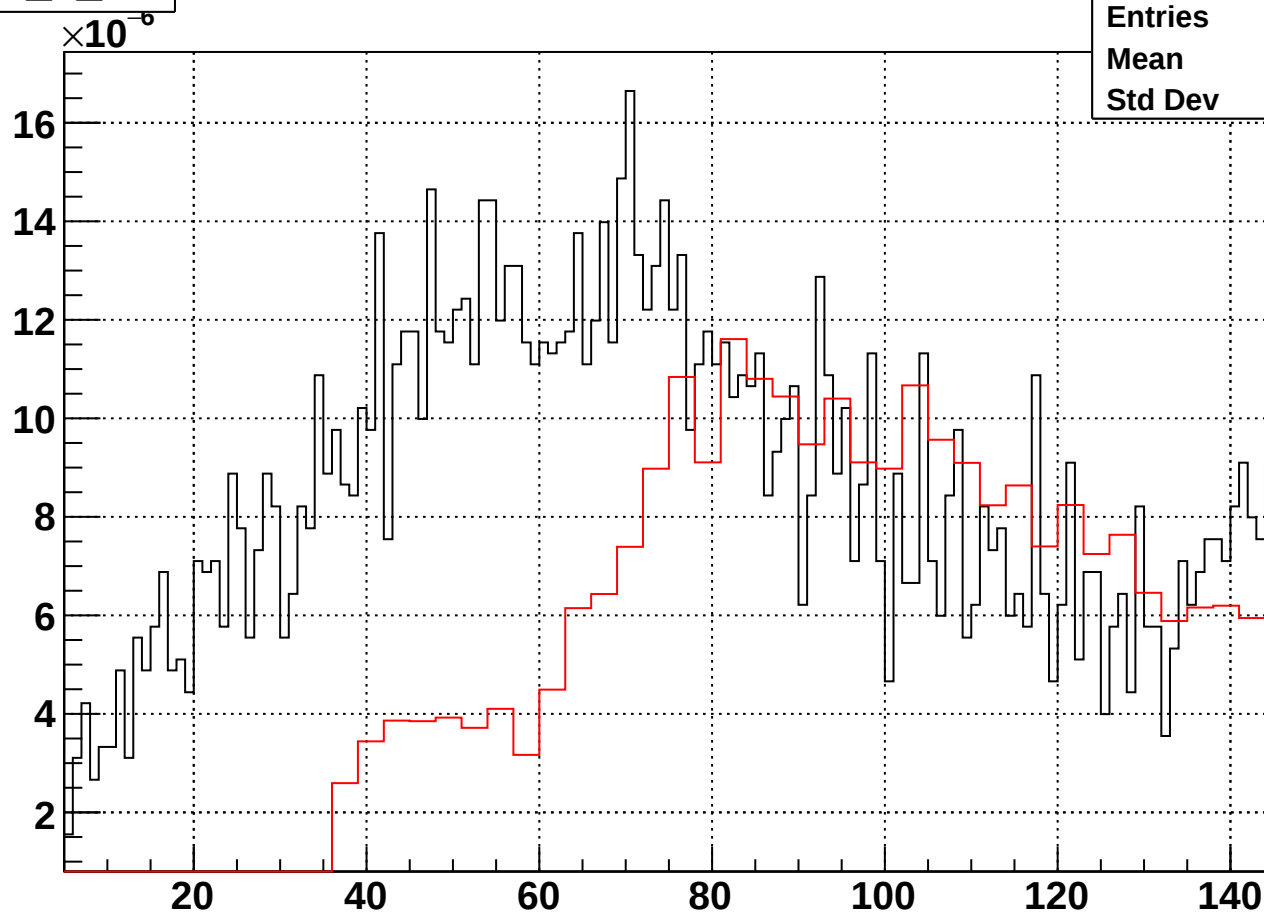
Entries	11229
Mean	203.4
Std Dev	108.9



hL1_6_15

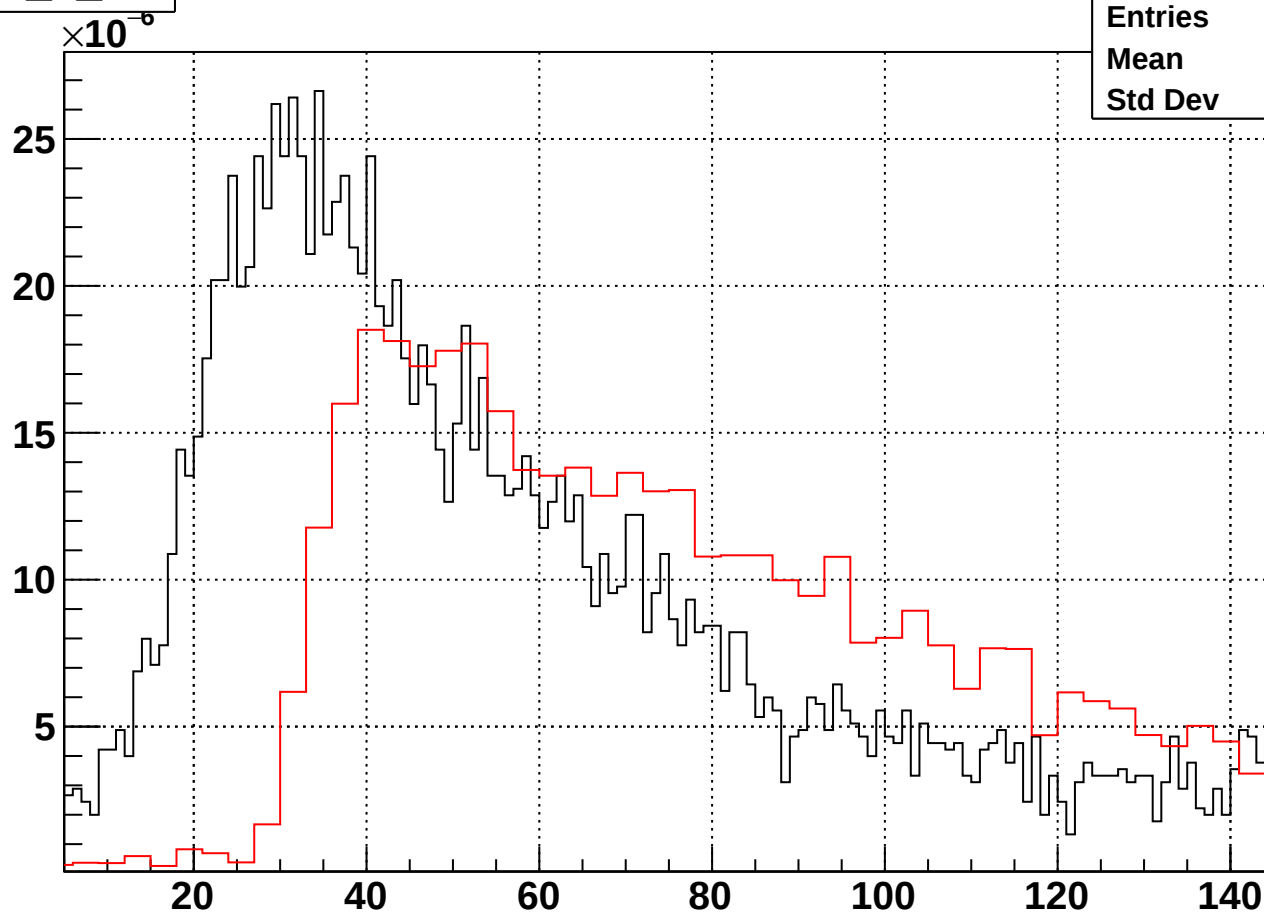
hL1_6_15

Entries	12968
Mean	160.1
Std Dev	101.6



hL1_6_16**hL1_6_16**

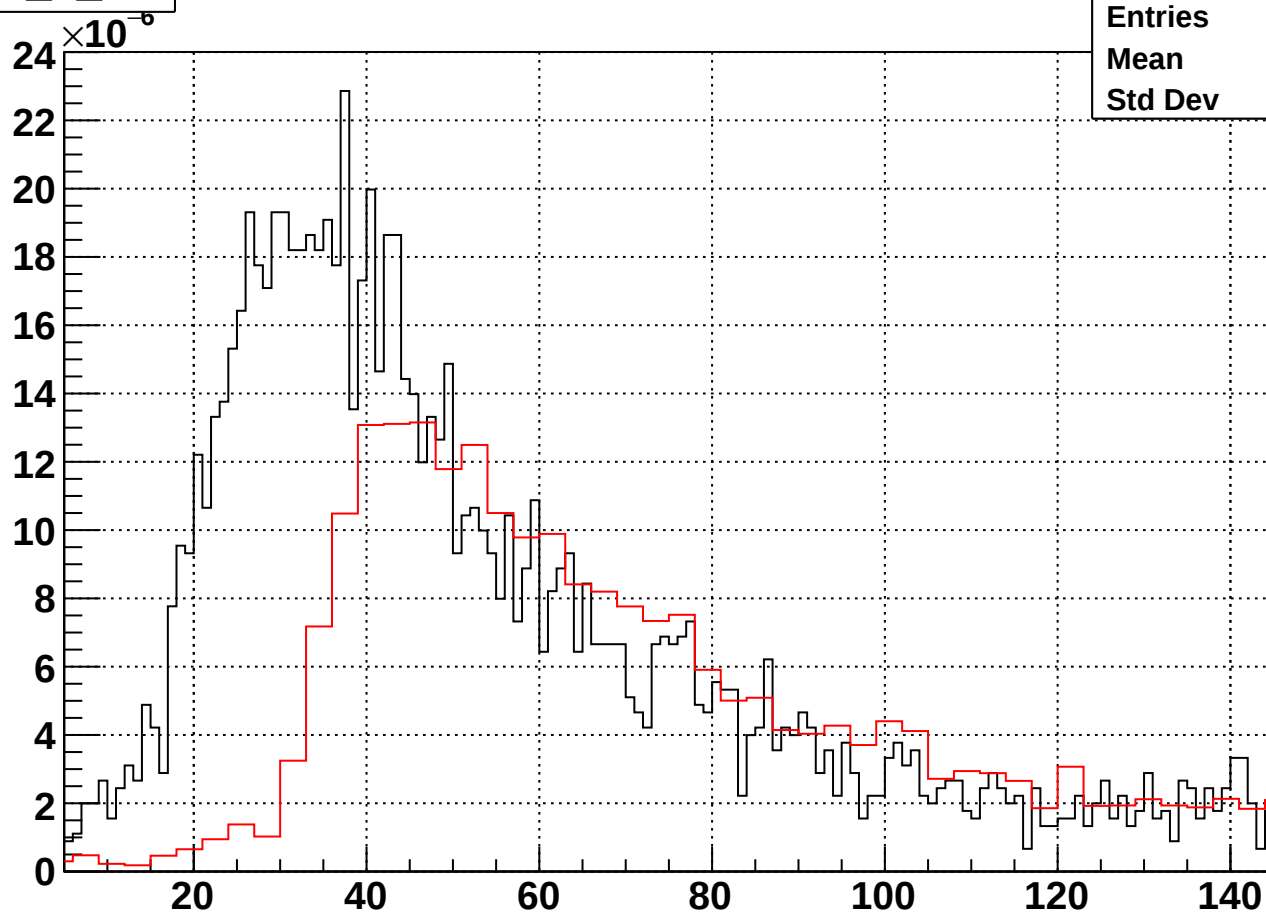
Entries	13588
Mean	101.7
Std Dev	73.71



hL1_6_17

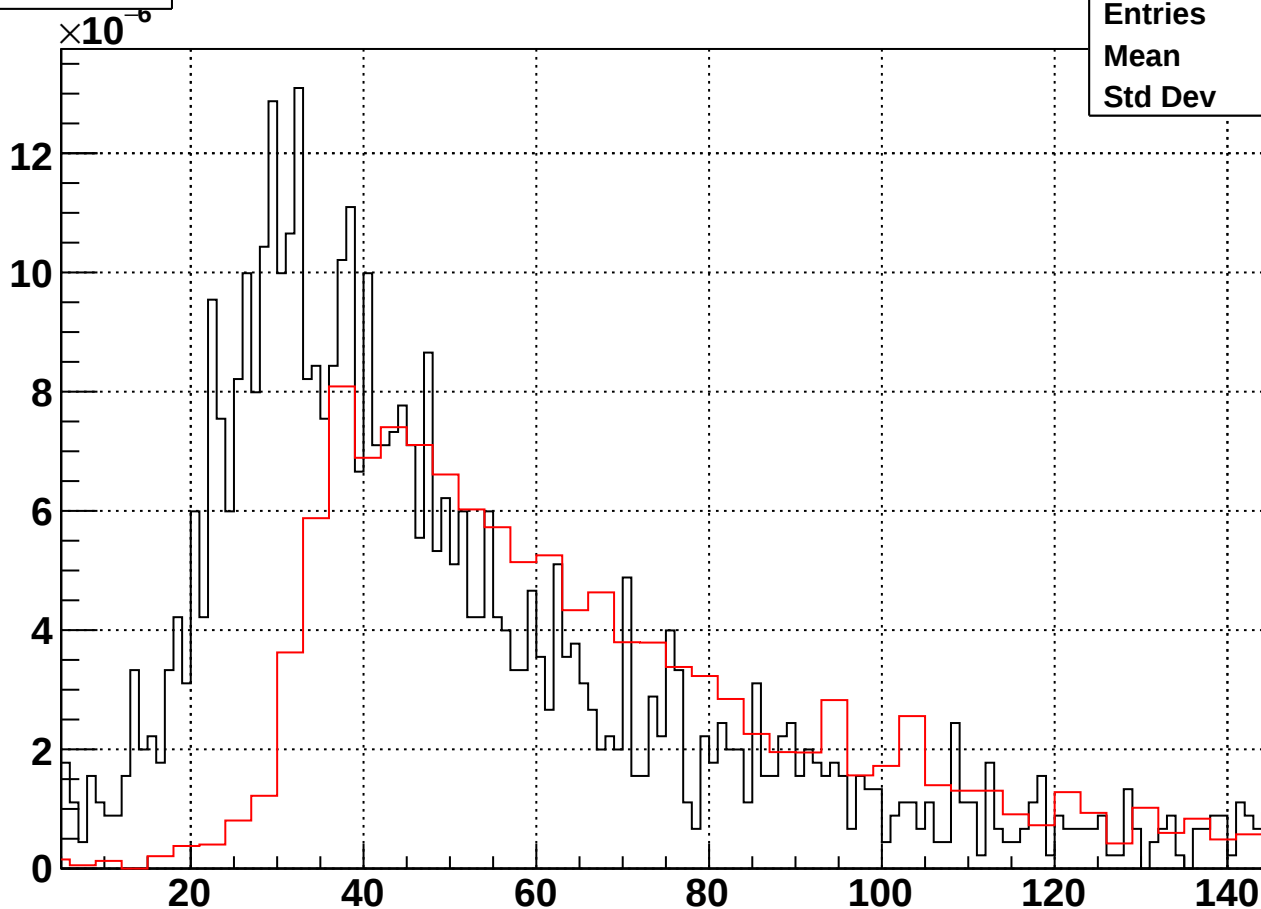
hL1_6_17

Entries	7738
Mean	96.46
Std Dev	80.07



hL1_6_18**hL1_6_18**

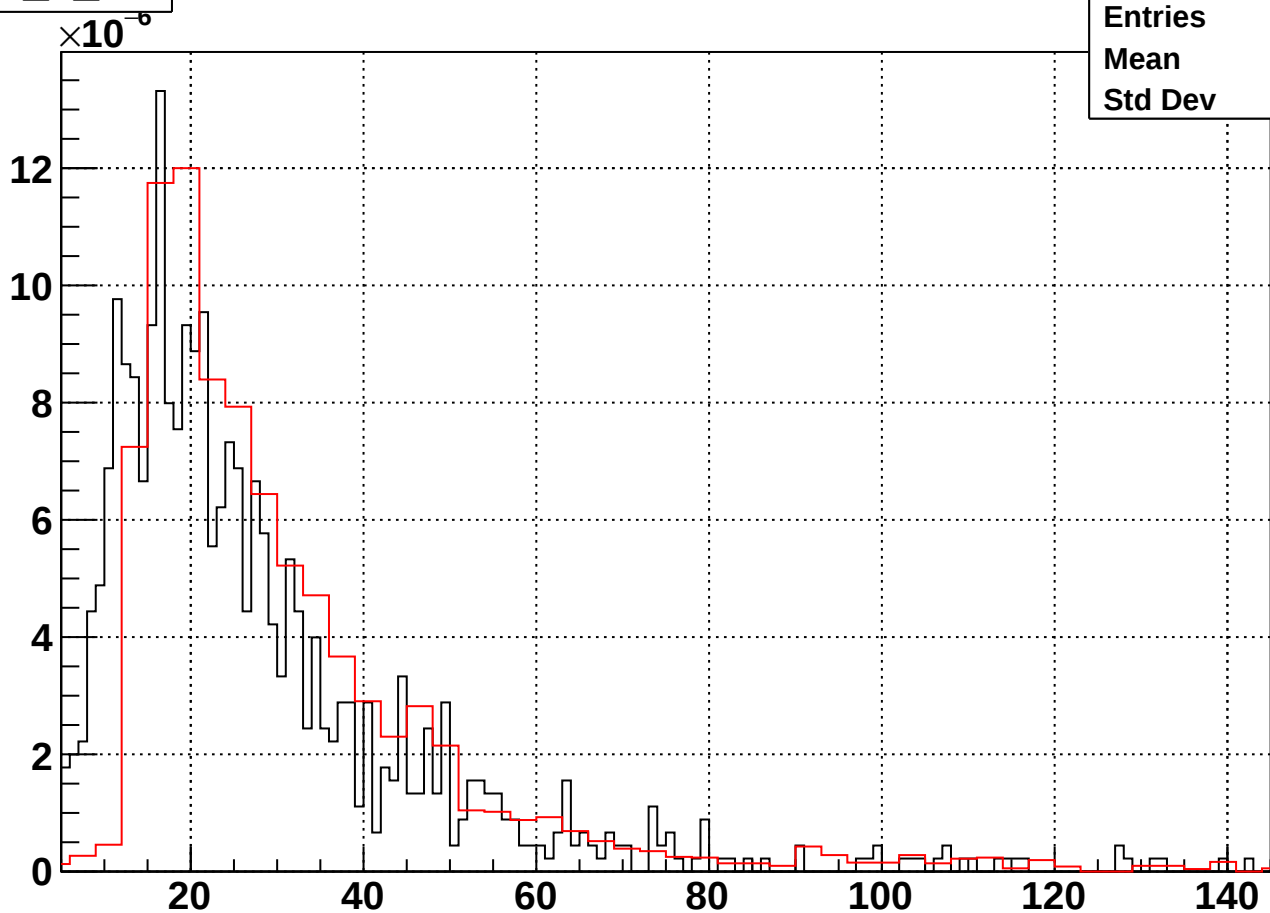
Entries	3698
Mean	74.37
Std Dev	50.09



hL1_6_19

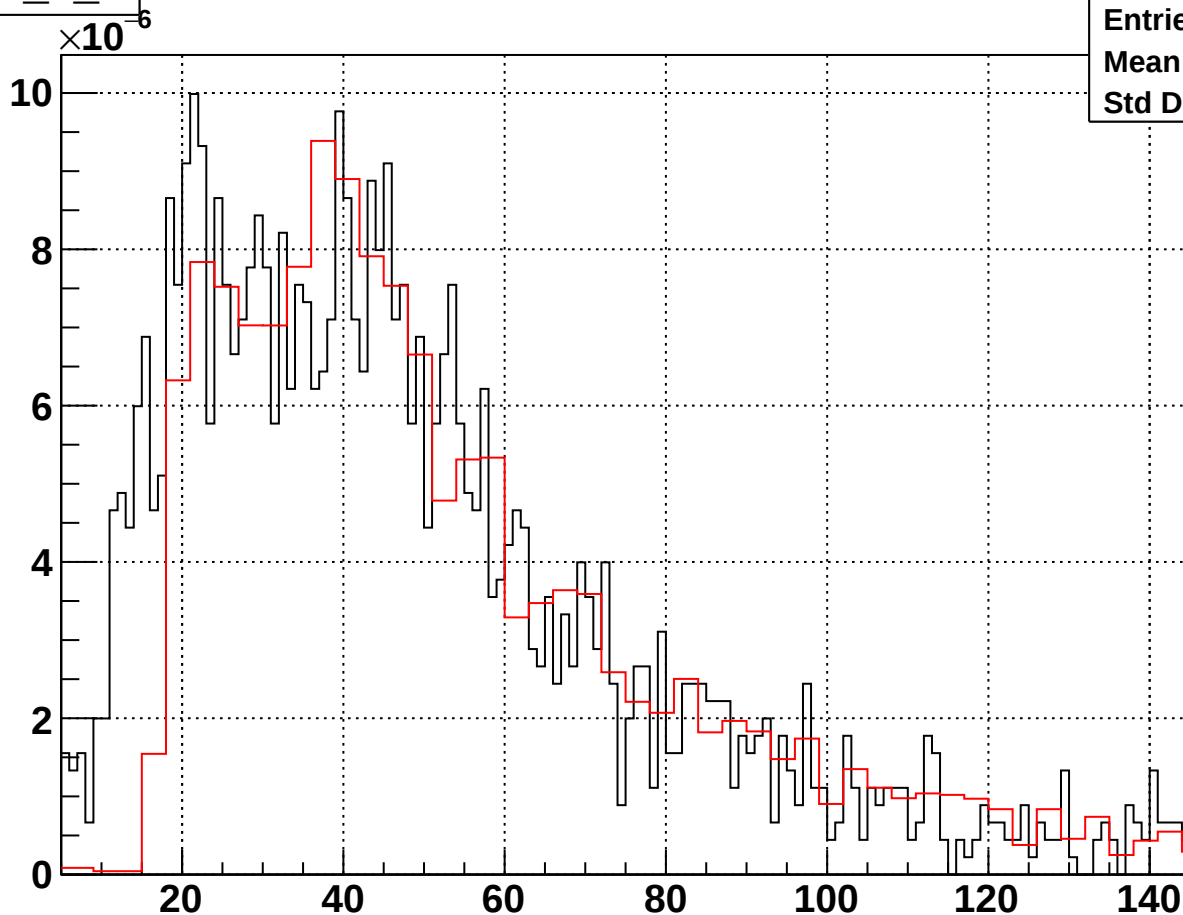
hL1_6_19

Entries	2477
Mean	35.14
Std Dev	37.78



hL1_7_1**hL1_7_1**

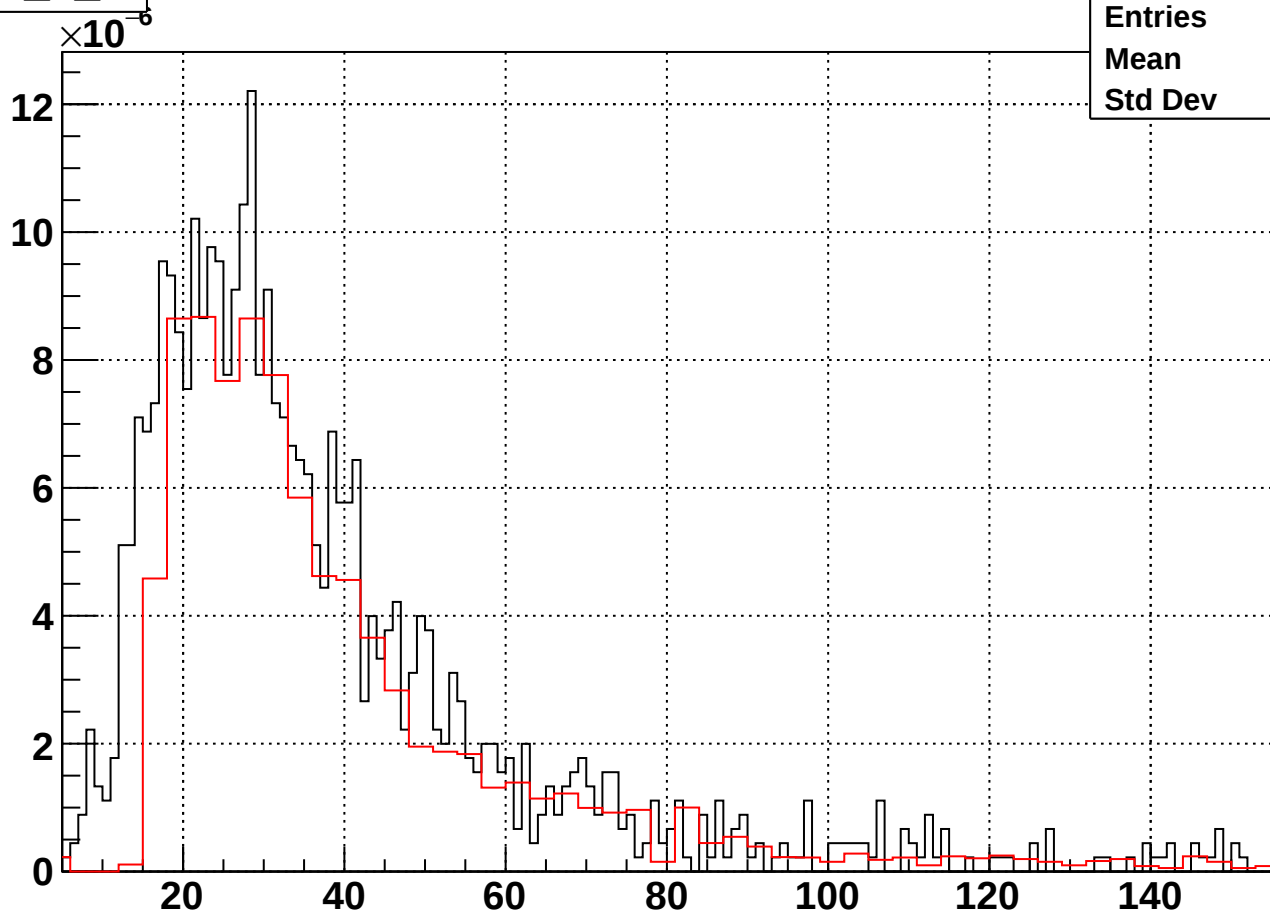
Entries	4281
Mean	63.4
Std Dev	54.66



hL1_7_2

hL1_7_2

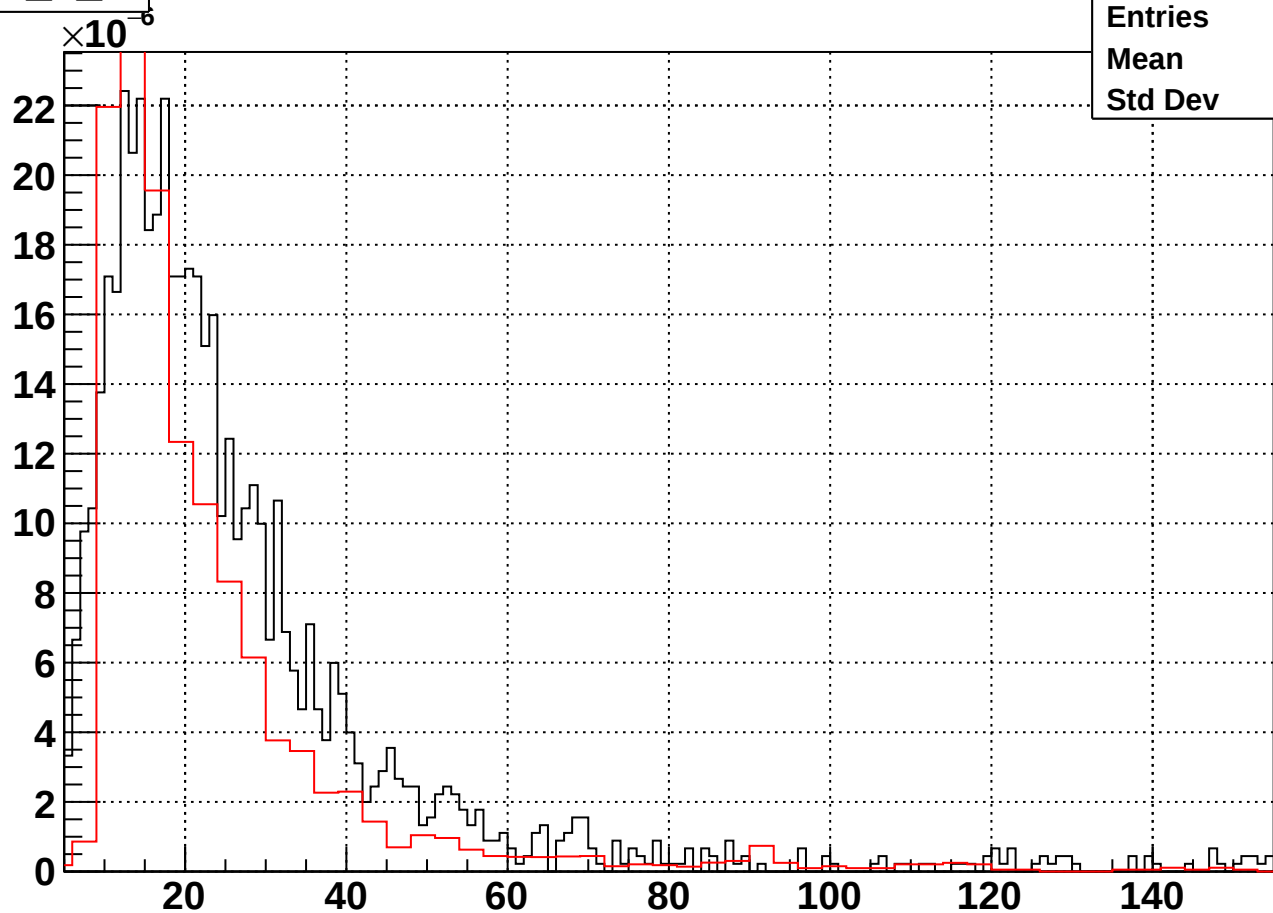
Entries	2487
Mean	43.84
Std Dev	41.79



hL1_7_3

hL1_7_3

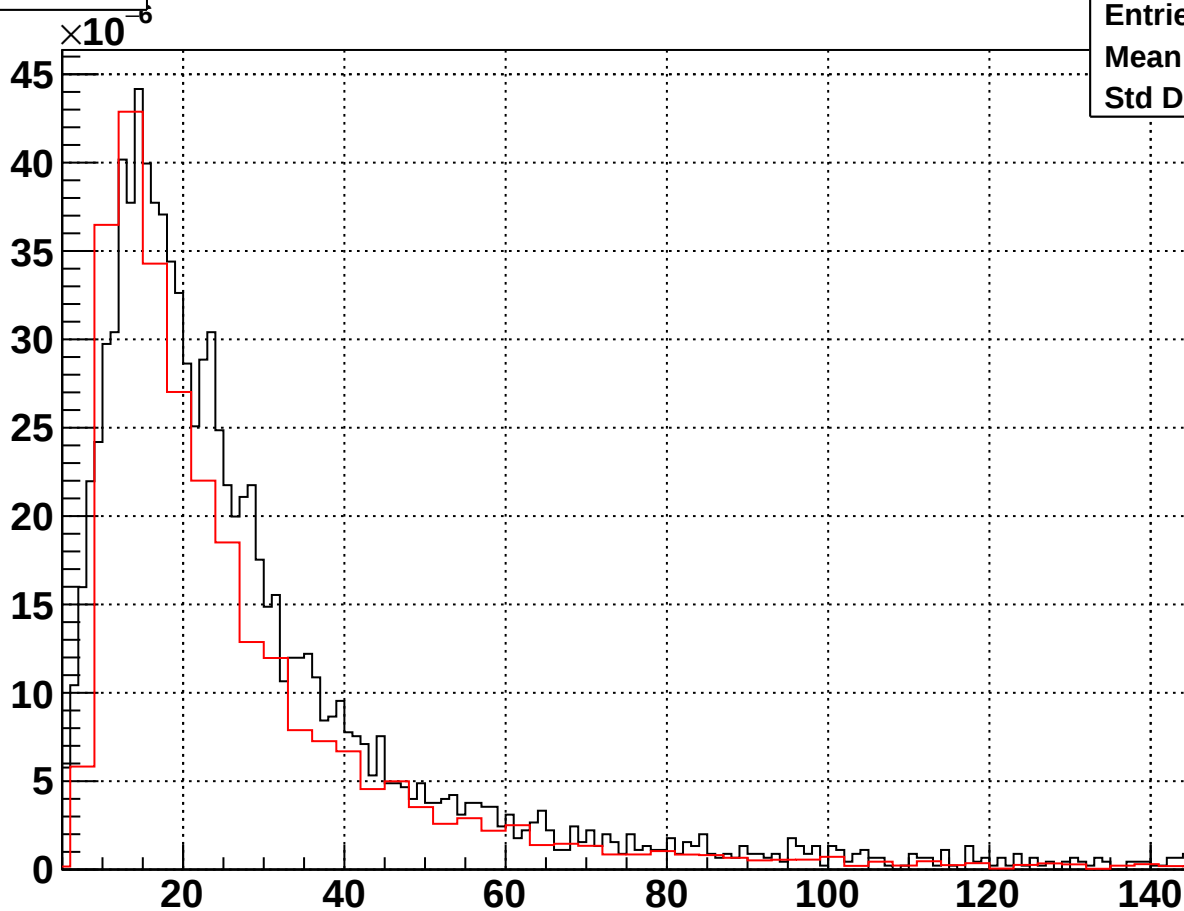
Entries	3604
Mean	27.08
Std Dev	38.37



hL1_7_4

hL1_7_4

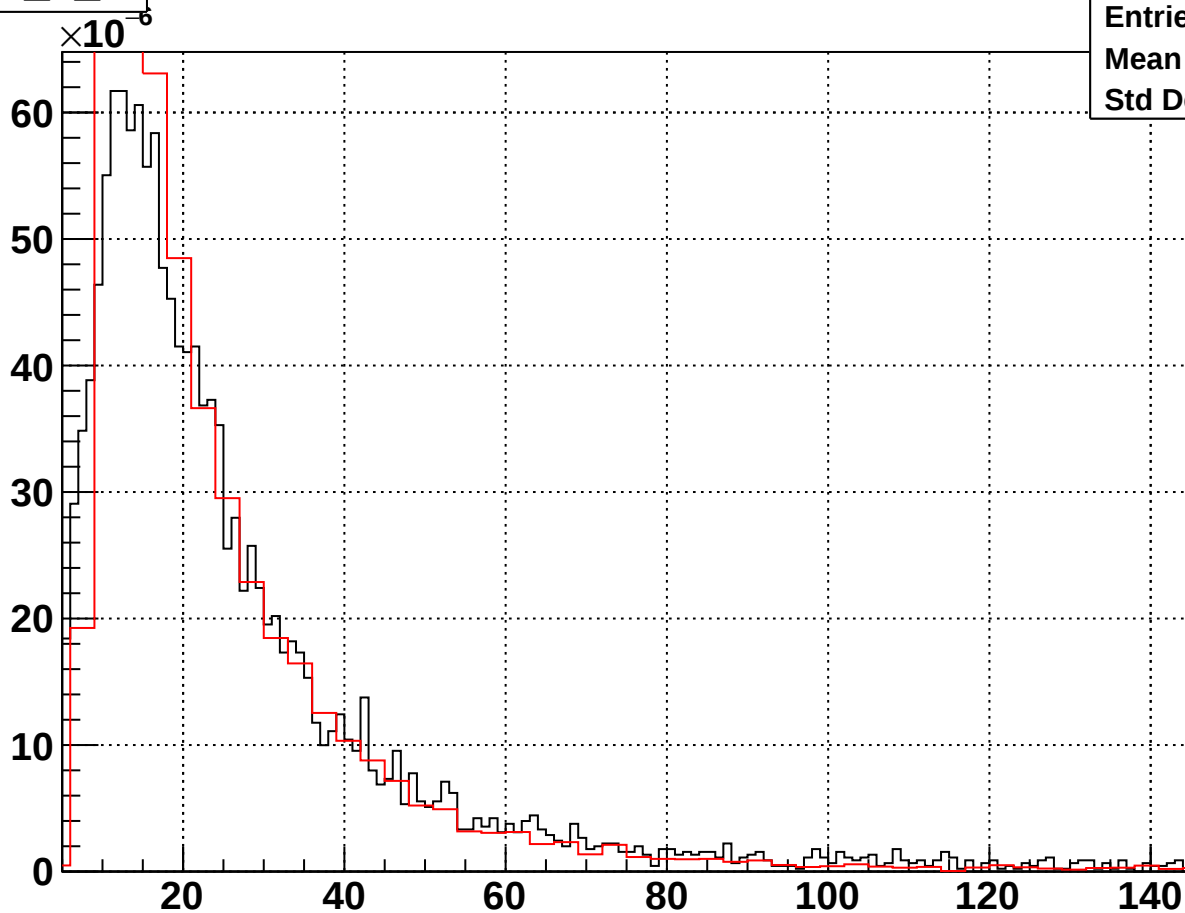
Entries	7762
Mean	30.18
Std Dev	37.79



hL1_7_5

hL1_7_5

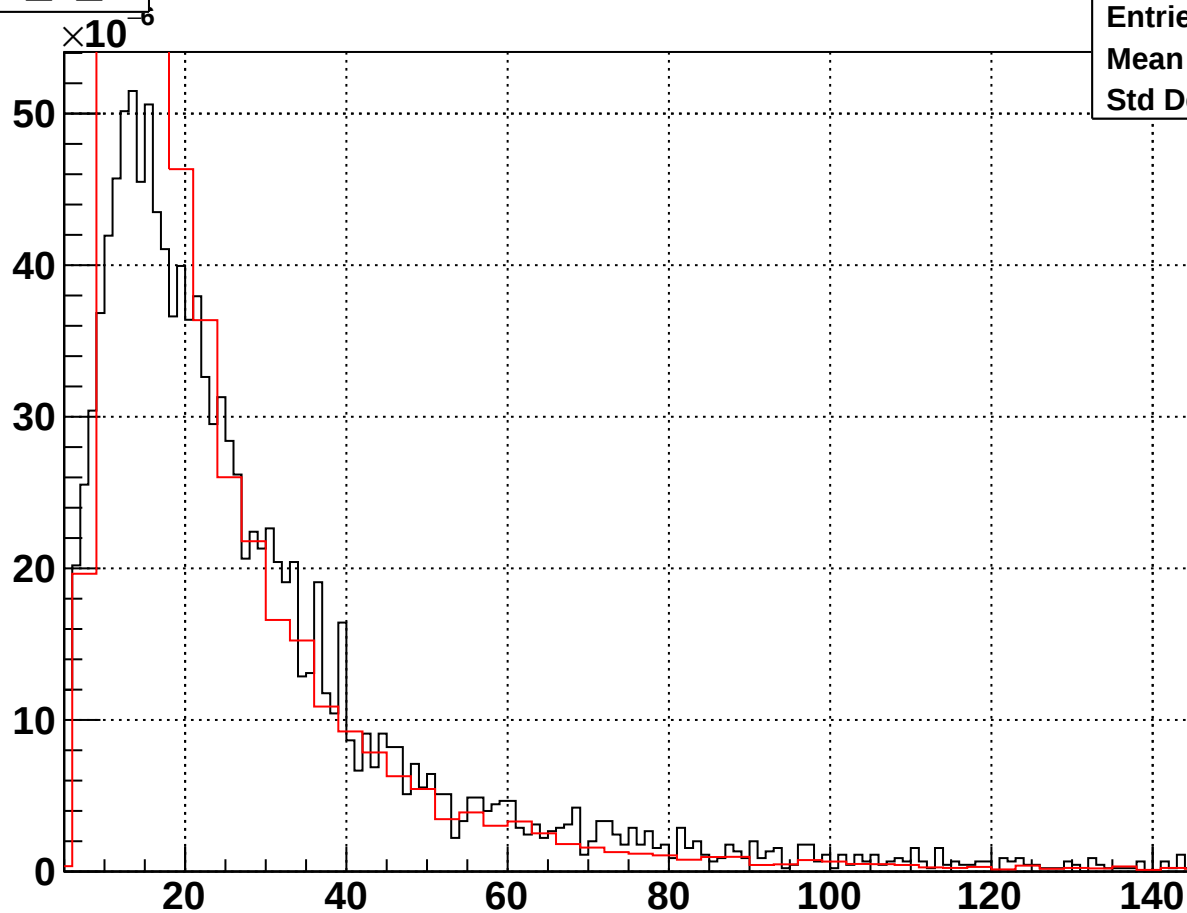
Entries	13845
Mean	25.73
Std Dev	27.32



hL1_7_6

hL1_7_6

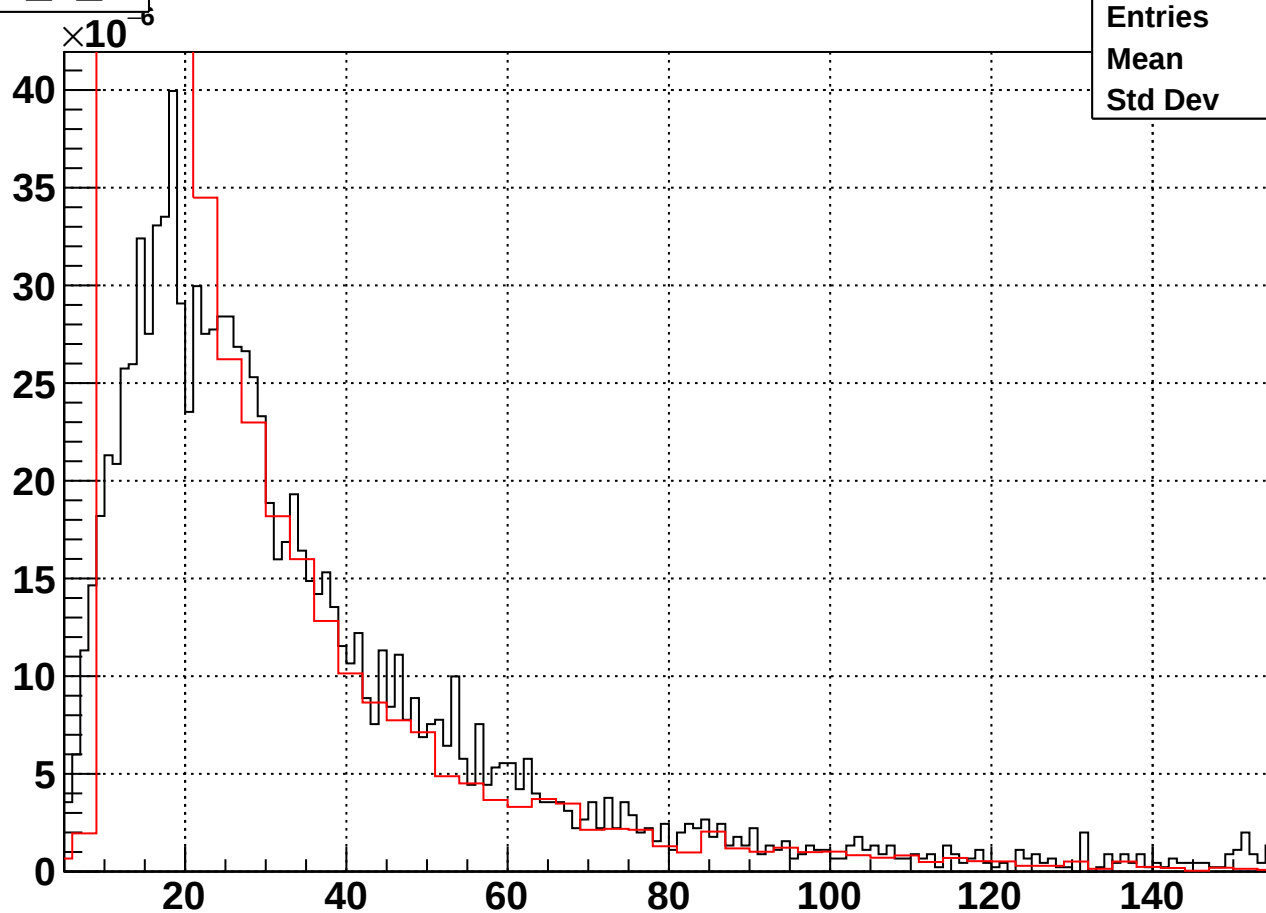
Entries	13469
Mean	26.16
Std Dev	31.65



hL1_7_7

hL1_7_7

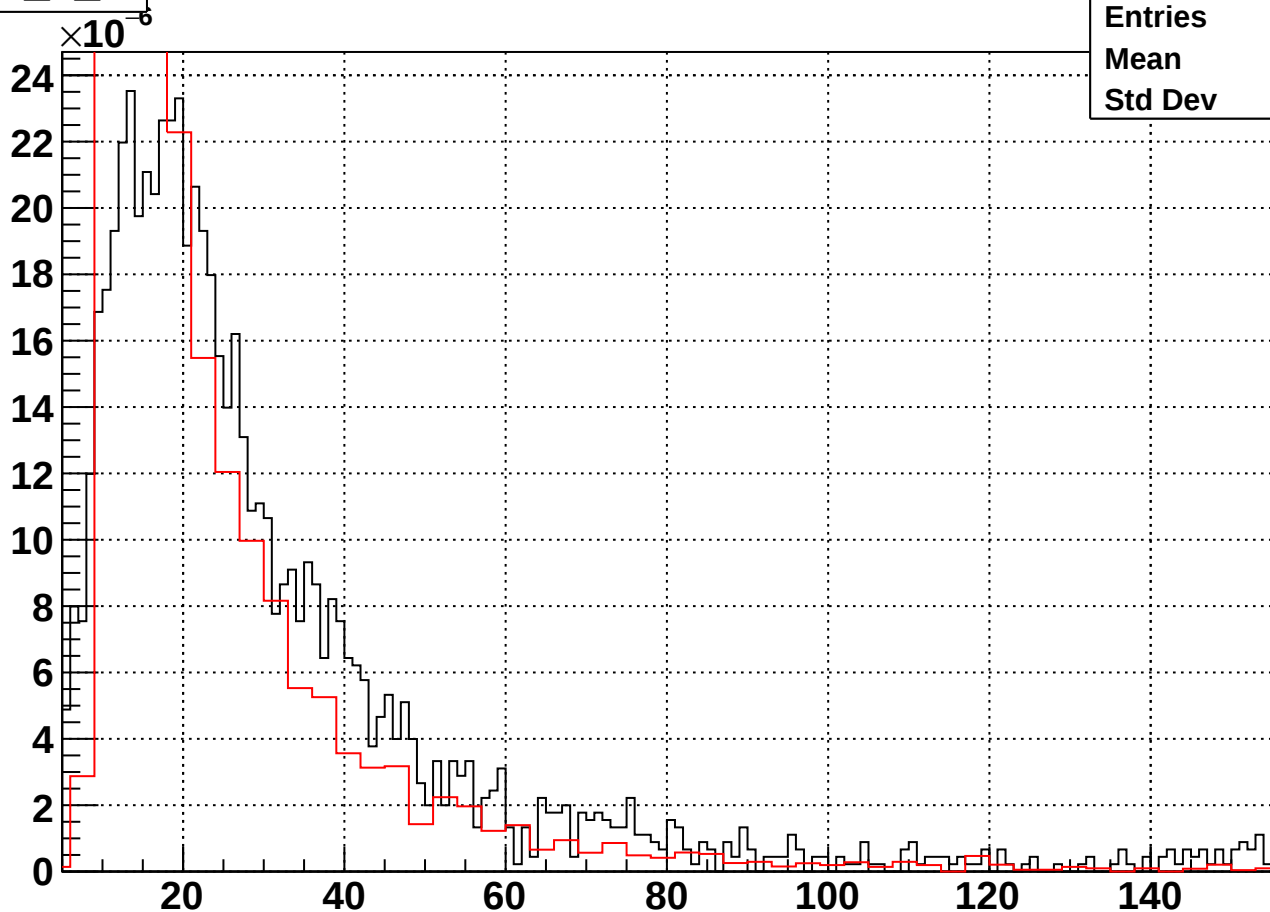
Entries	11528
Mean	32.39
Std Dev	39.8



hL1_7_8

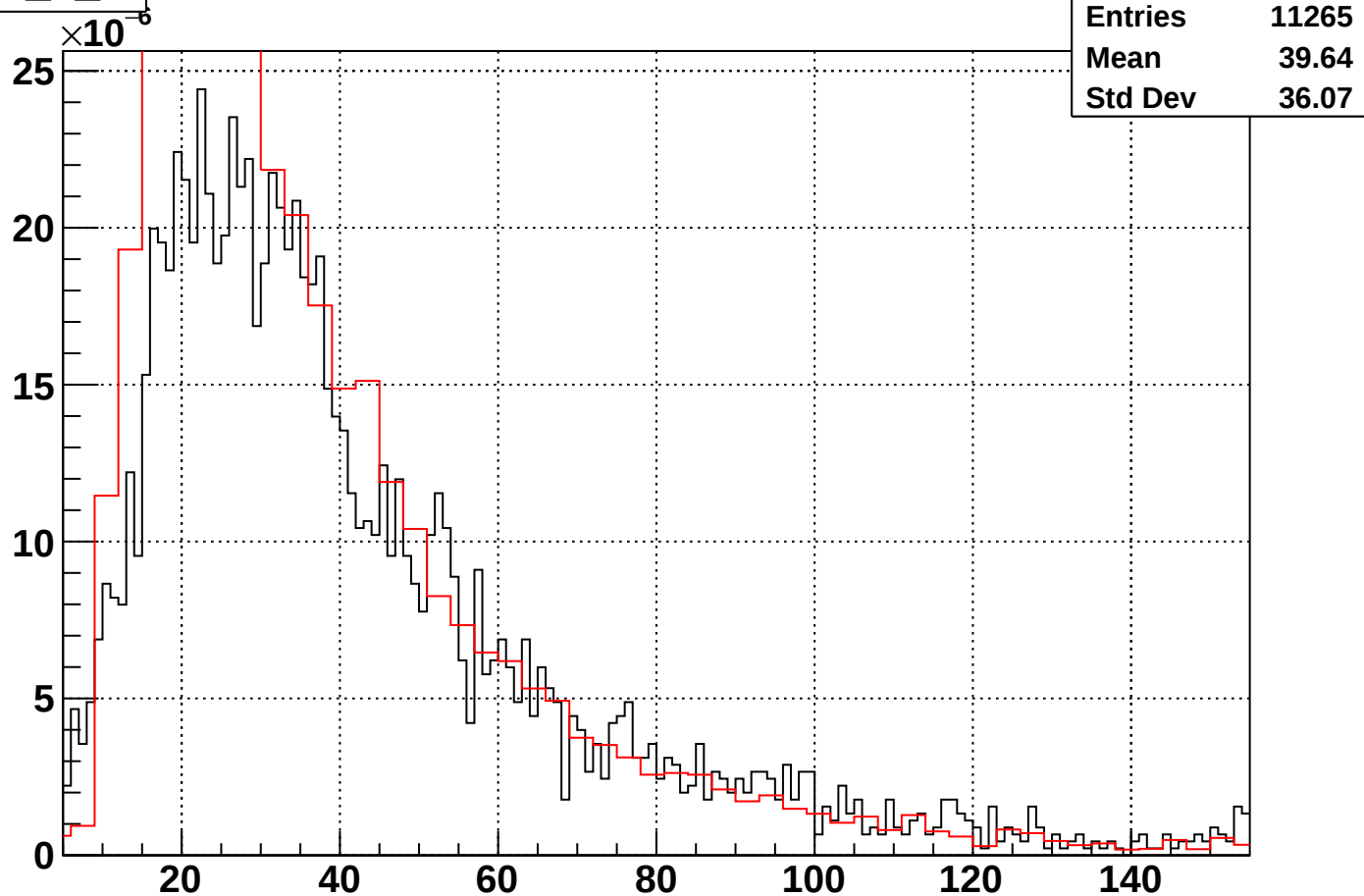
hL1_7_8

Entries	5441
Mean	28.05
Std Dev	34.44



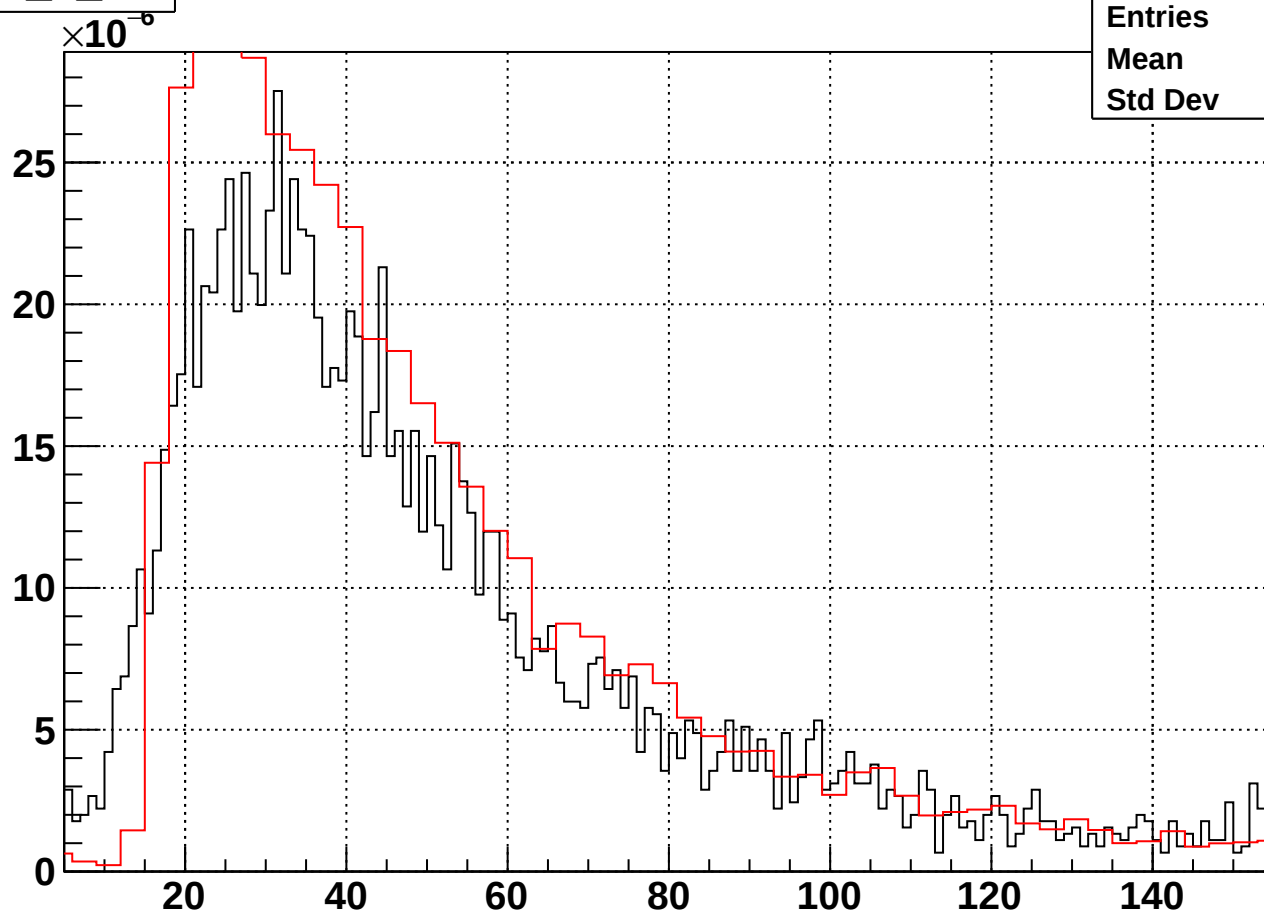
hL1_7_9

hL1_7_9	
Entries	11265
Mean	39.64
Std Dev	36.07



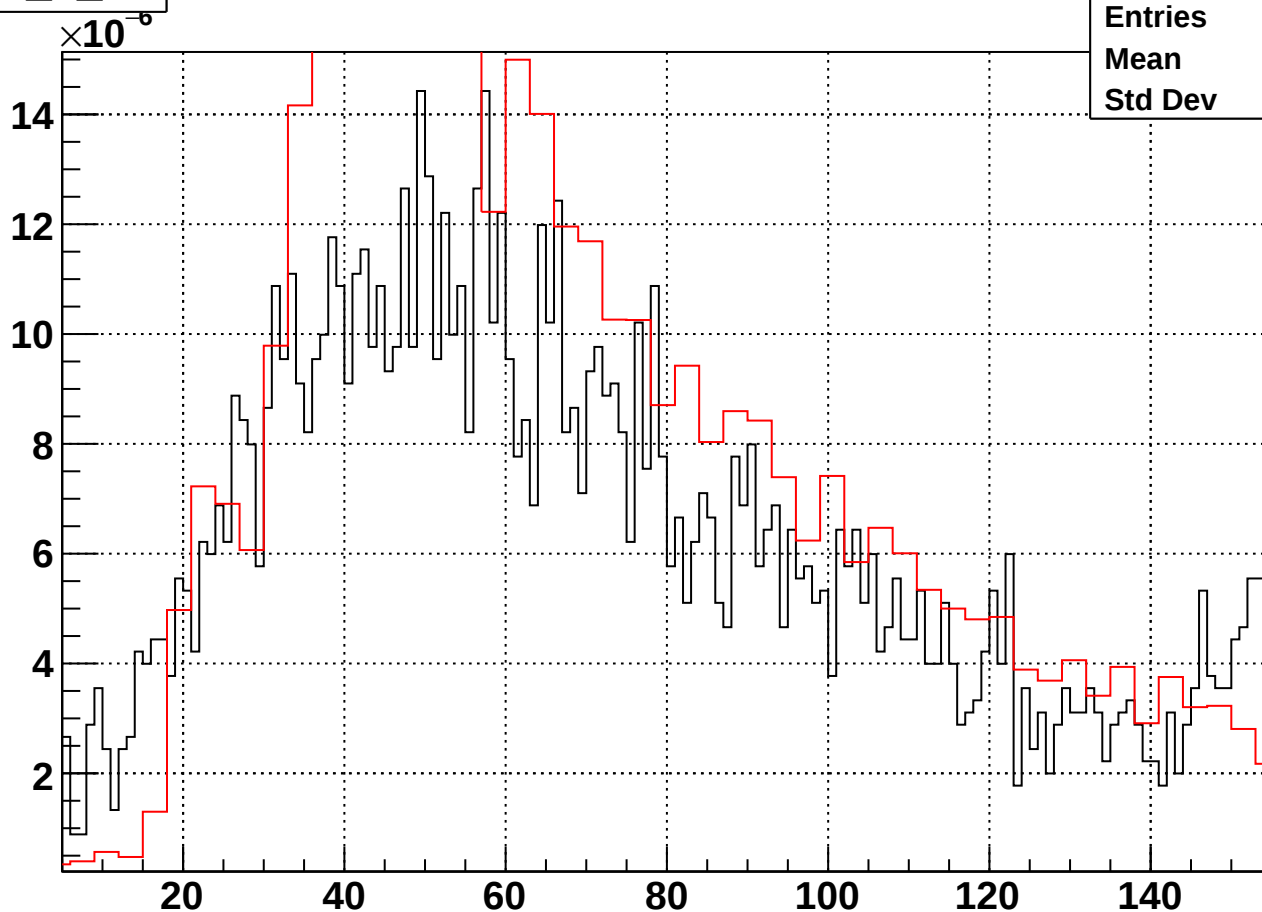
hL1_7_10**hL1_7_10**

Entries	13092
Mean	55.69
Std Dev	48.06



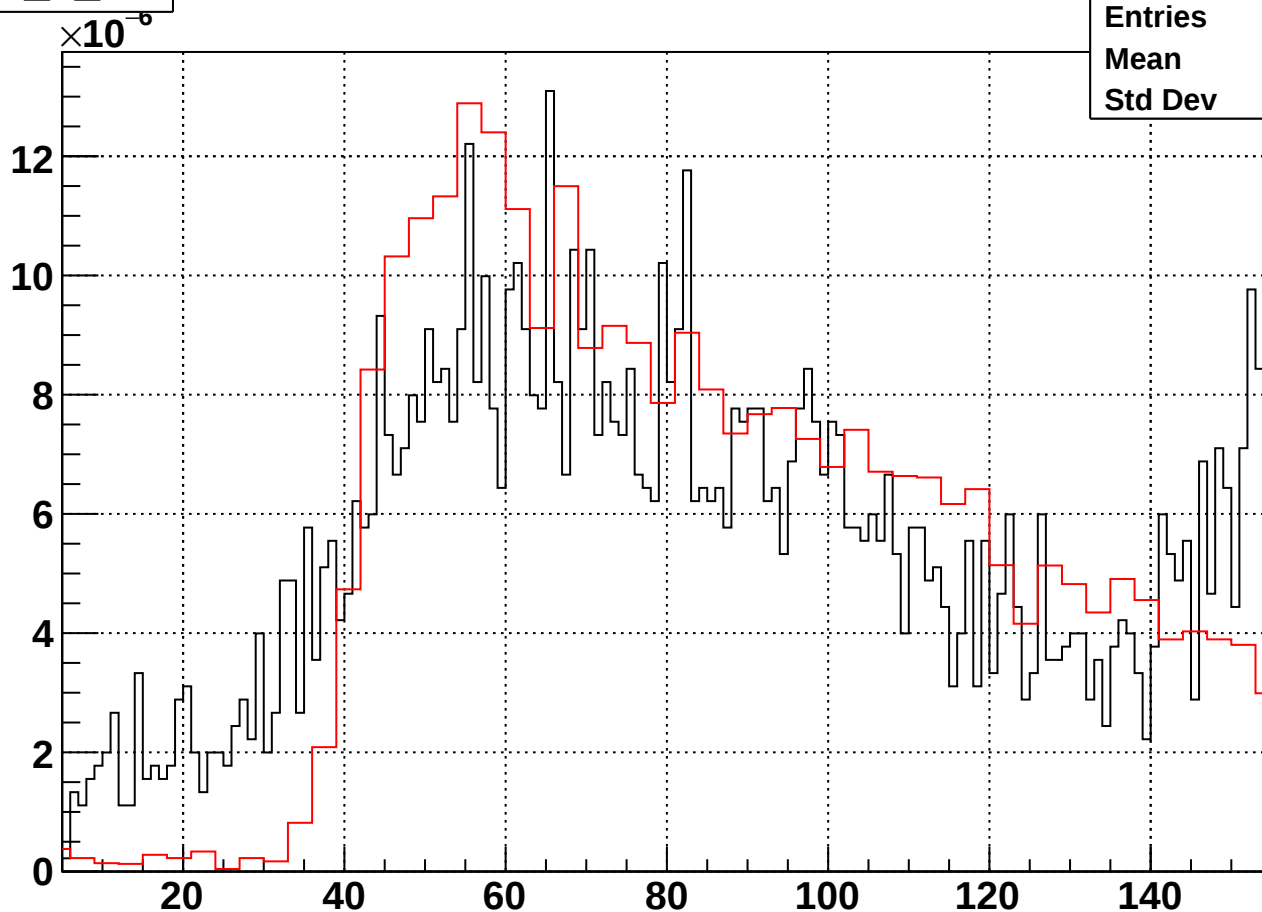
hL1_7_11**hL1_7_11**

Entries	12947
Mean	91.9
Std Dev	71.52



hL1_7_12**hL1_7_12**

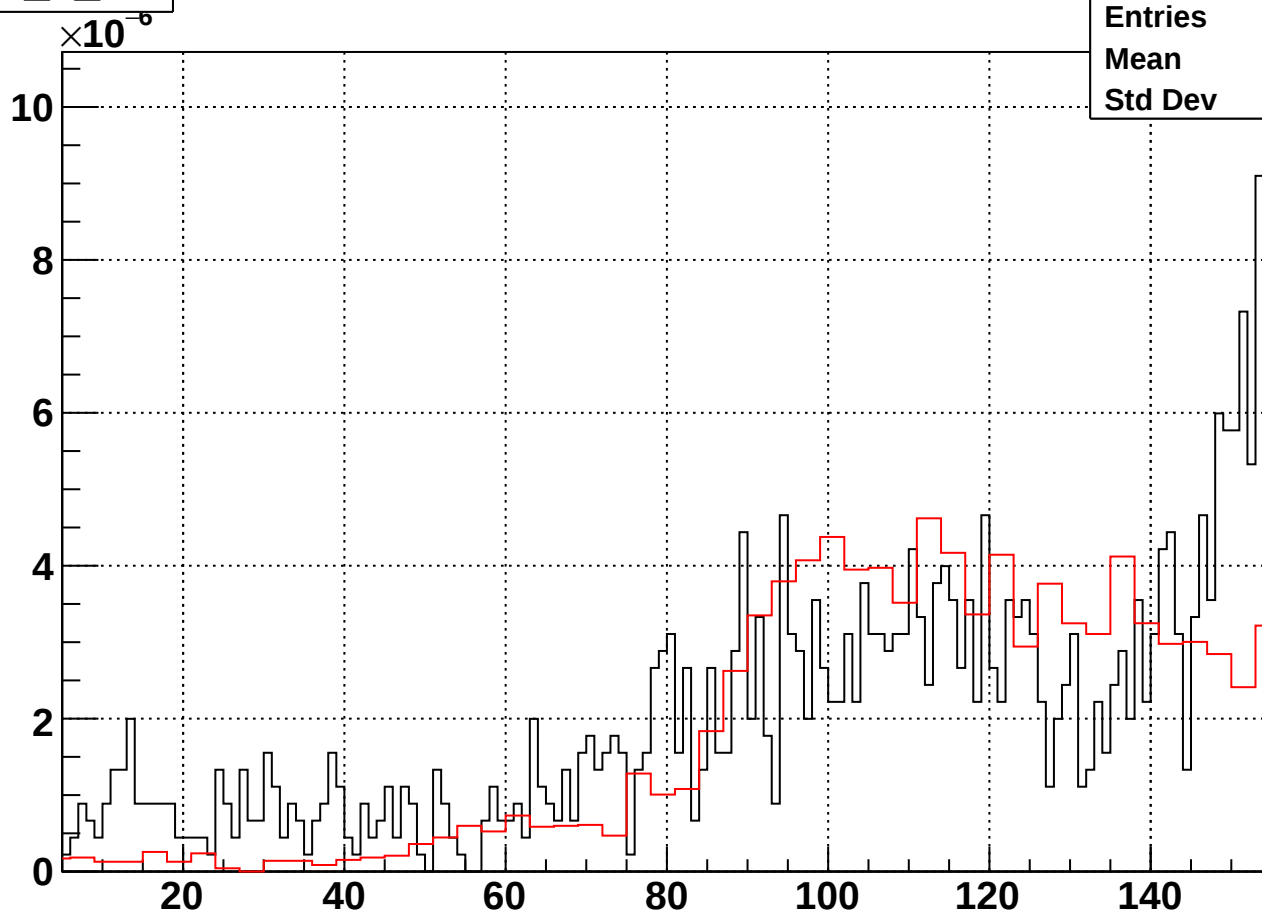
Entries	11107
Mean	131.9
Std Dev	94.68



hL1_7_13

hL1_7_13

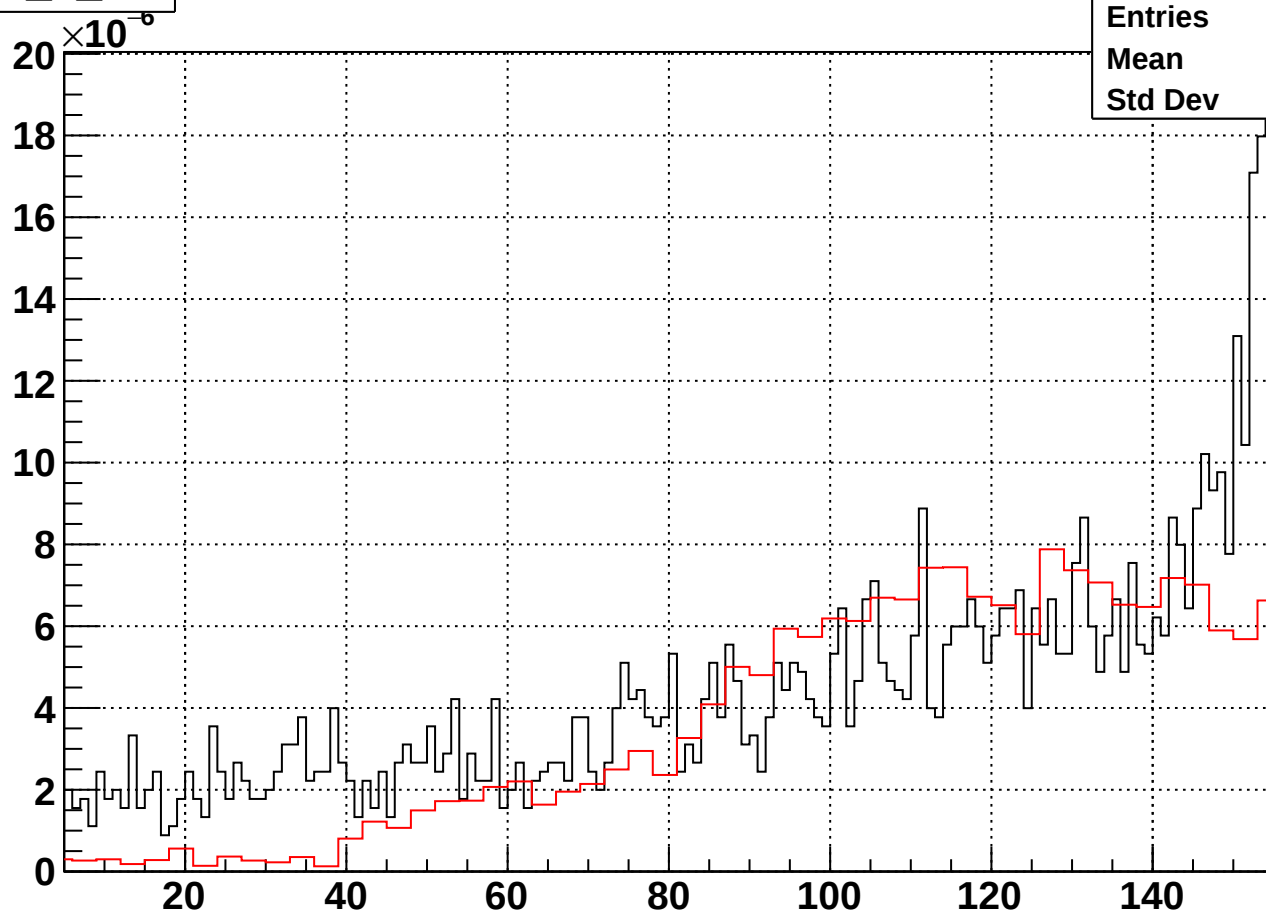
Entries	5313
Mean	187
Std Dev	101.2



hL1_7_14

hL1_7_14

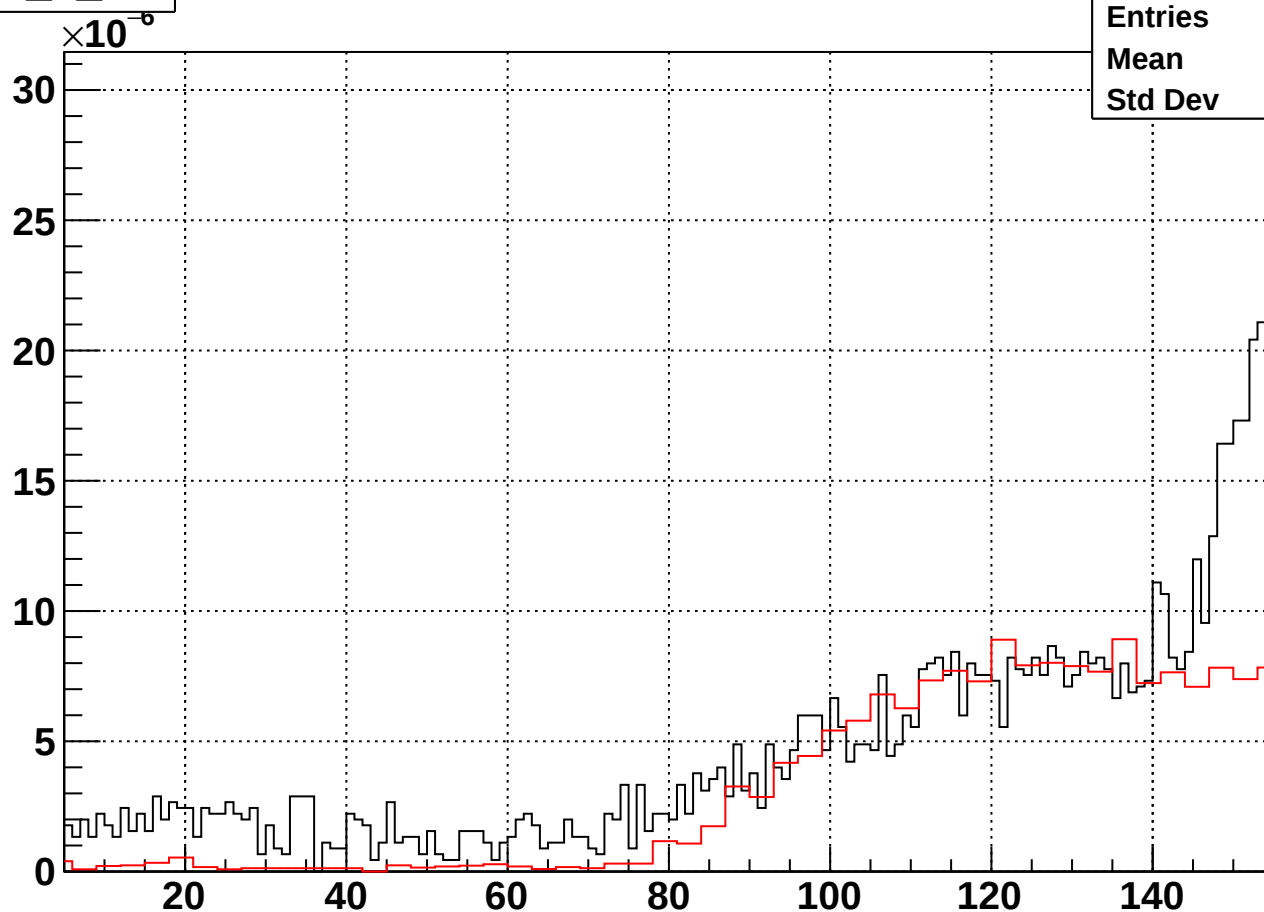
Entries	11233
Mean	195.6
Std Dev	108.7



hL1_7_15

hL1_7_15

Entries	12630
Mean	218.8
Std Dev	111.5



hL1_7_16

$\times 10^{-6}$

25

20

15

10

5

0

20

40

60

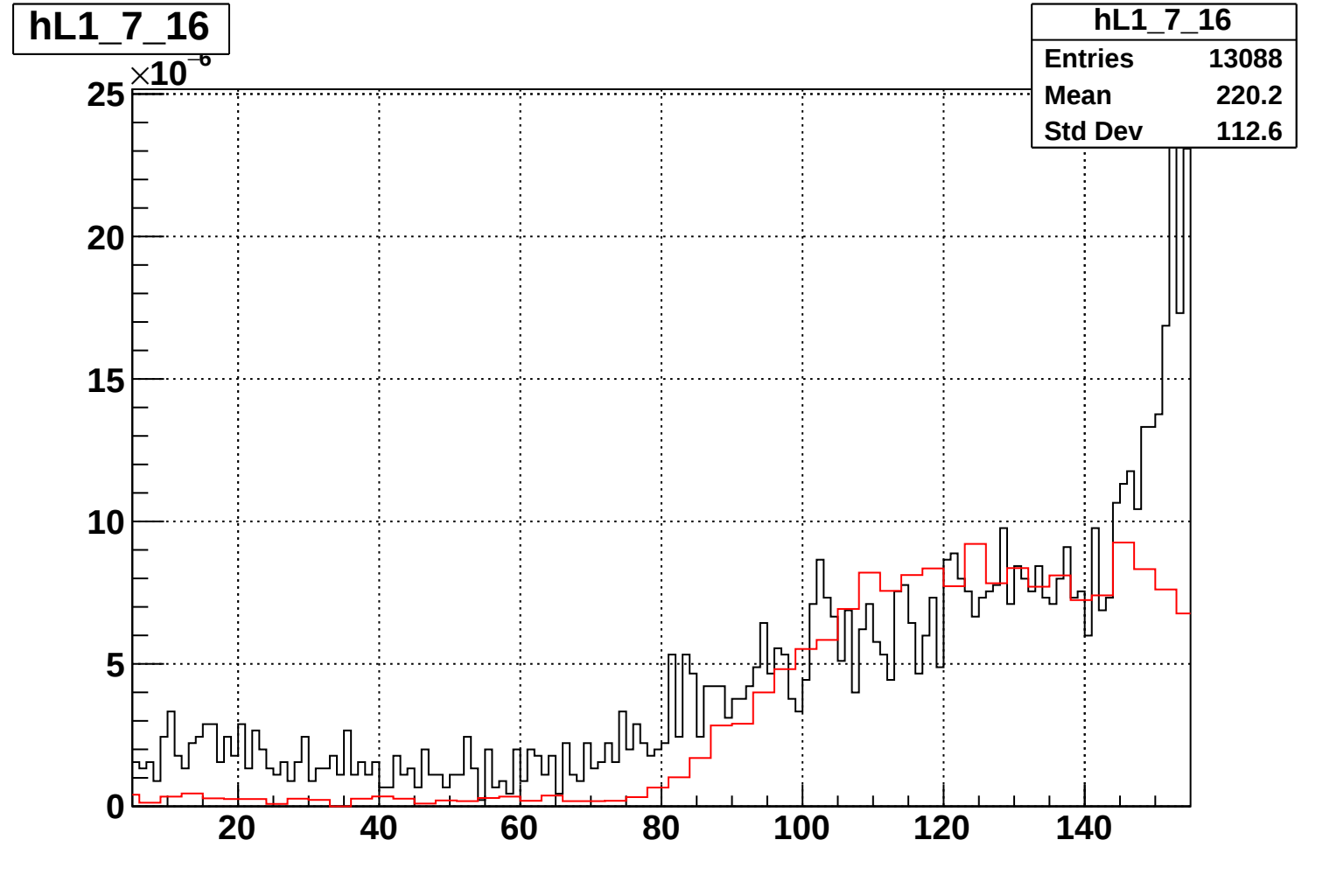
80

100

120

140

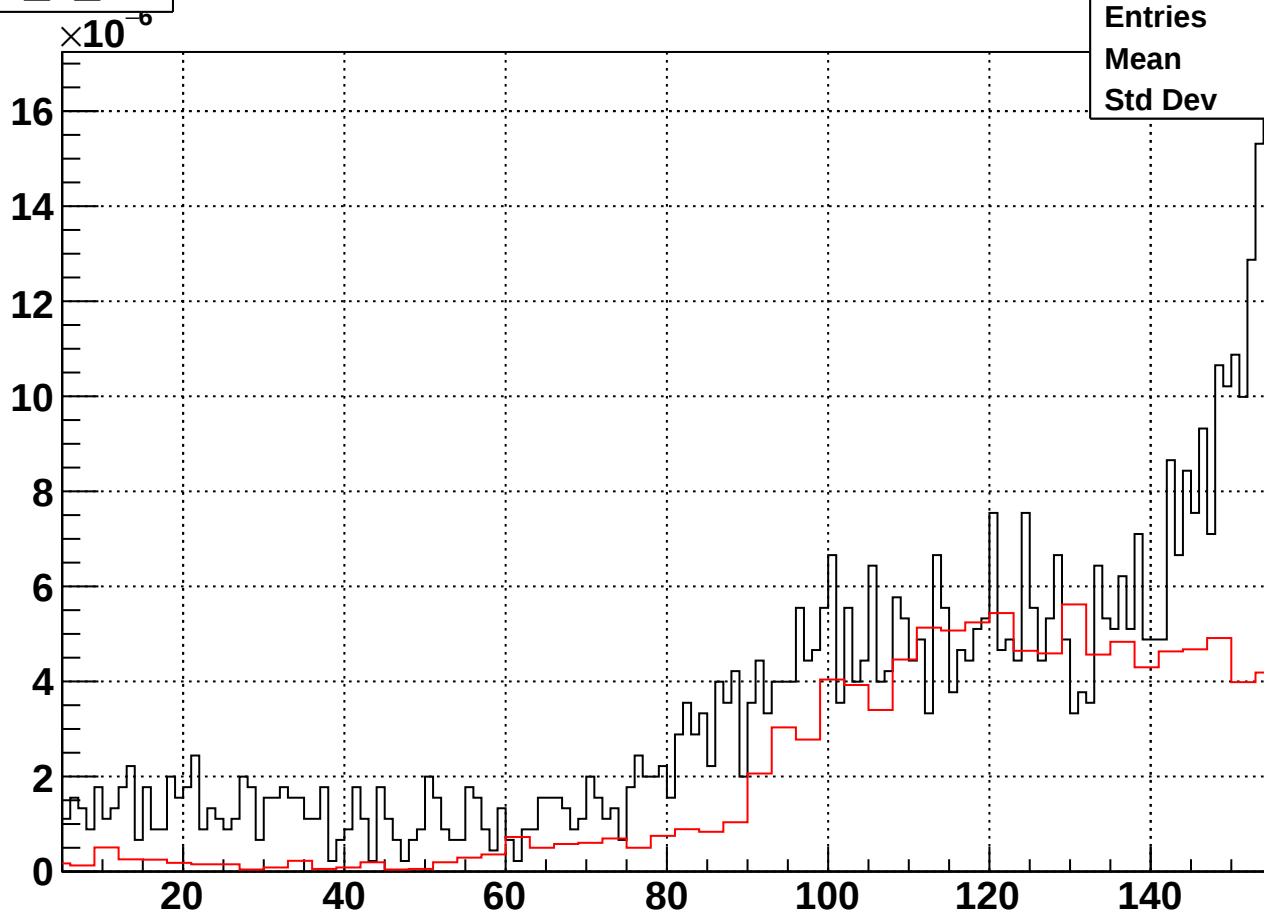
hL1_7_16	
Entries	13088
Mean	220.2
Std Dev	112.6



hL1_7_17

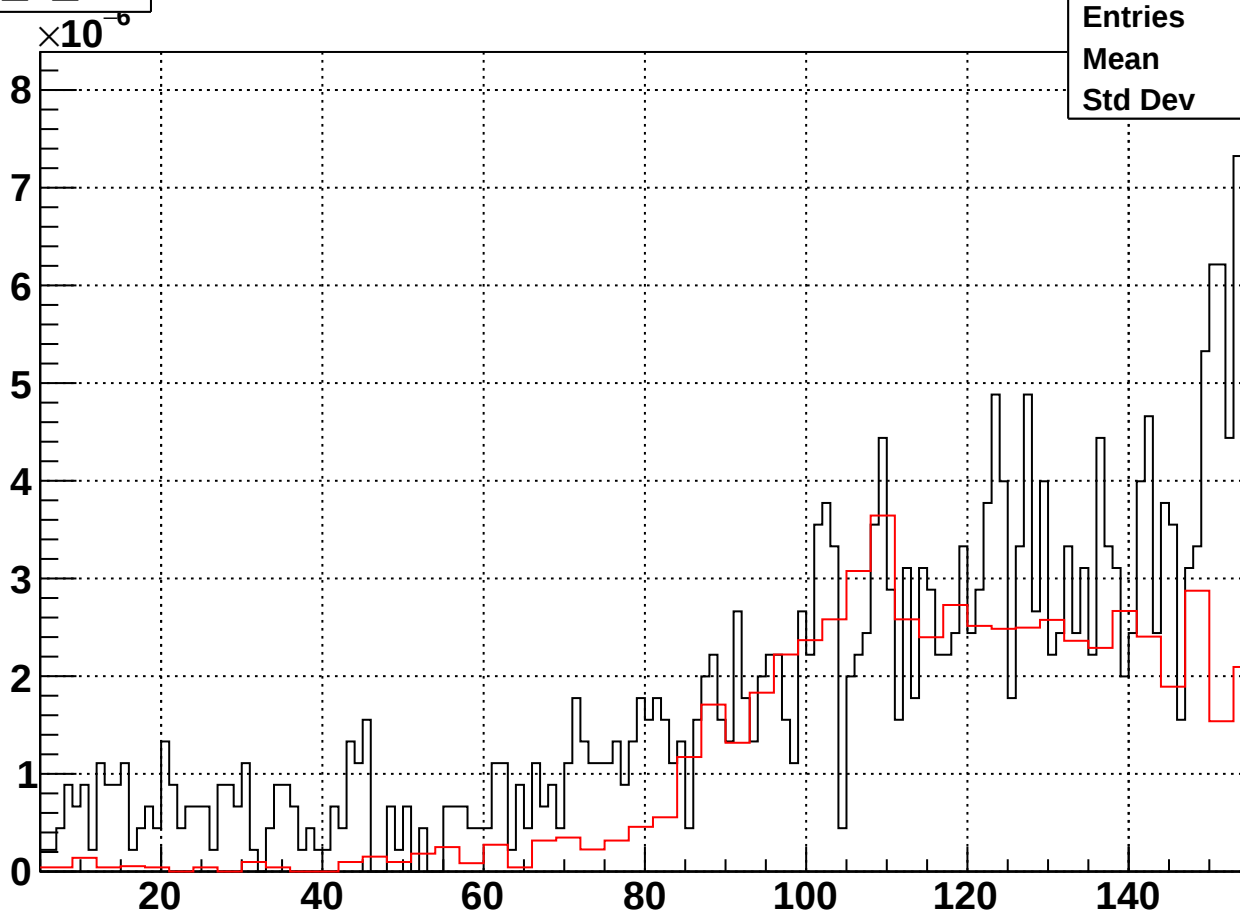
hL1_7_17

Entries	7468
Mean	211.3
Std Dev	111.8

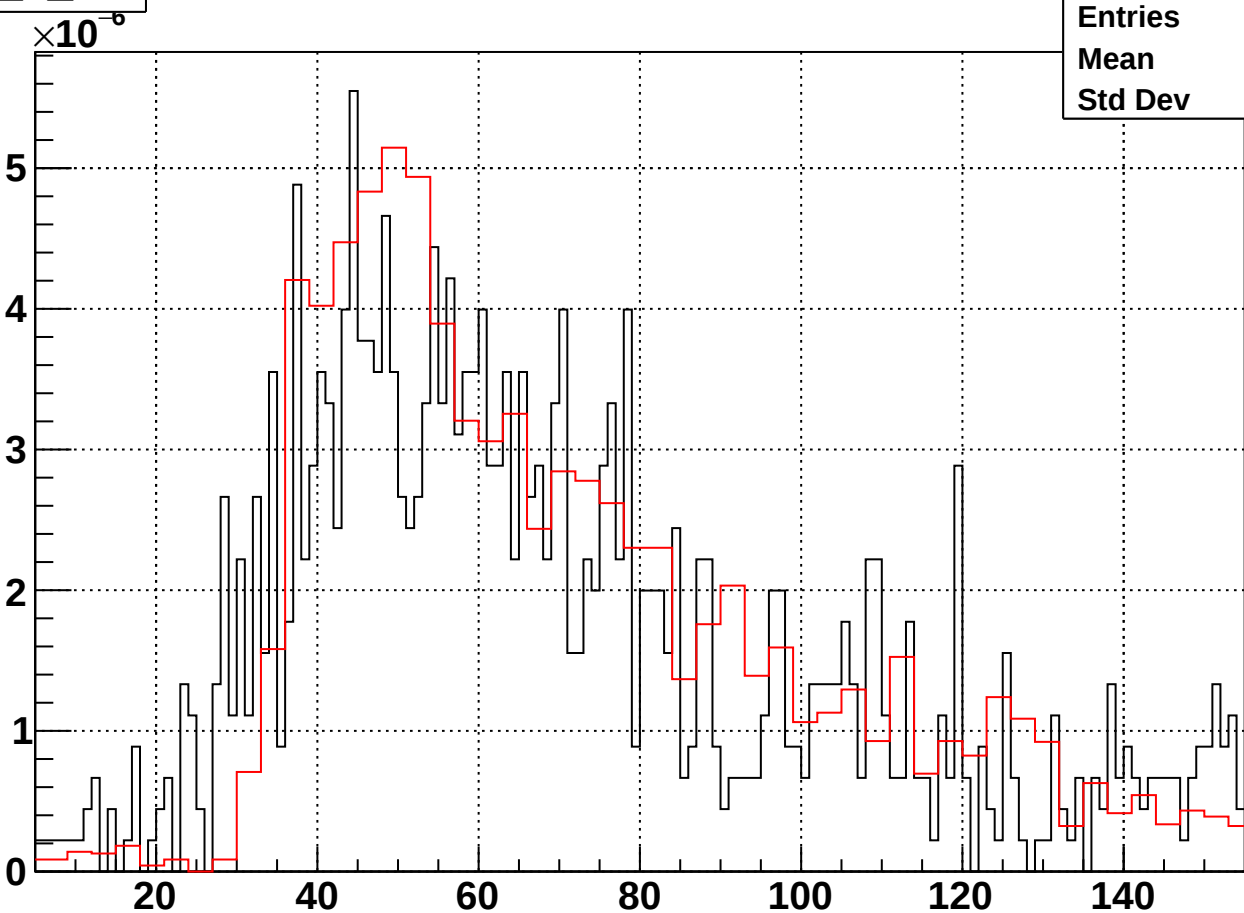


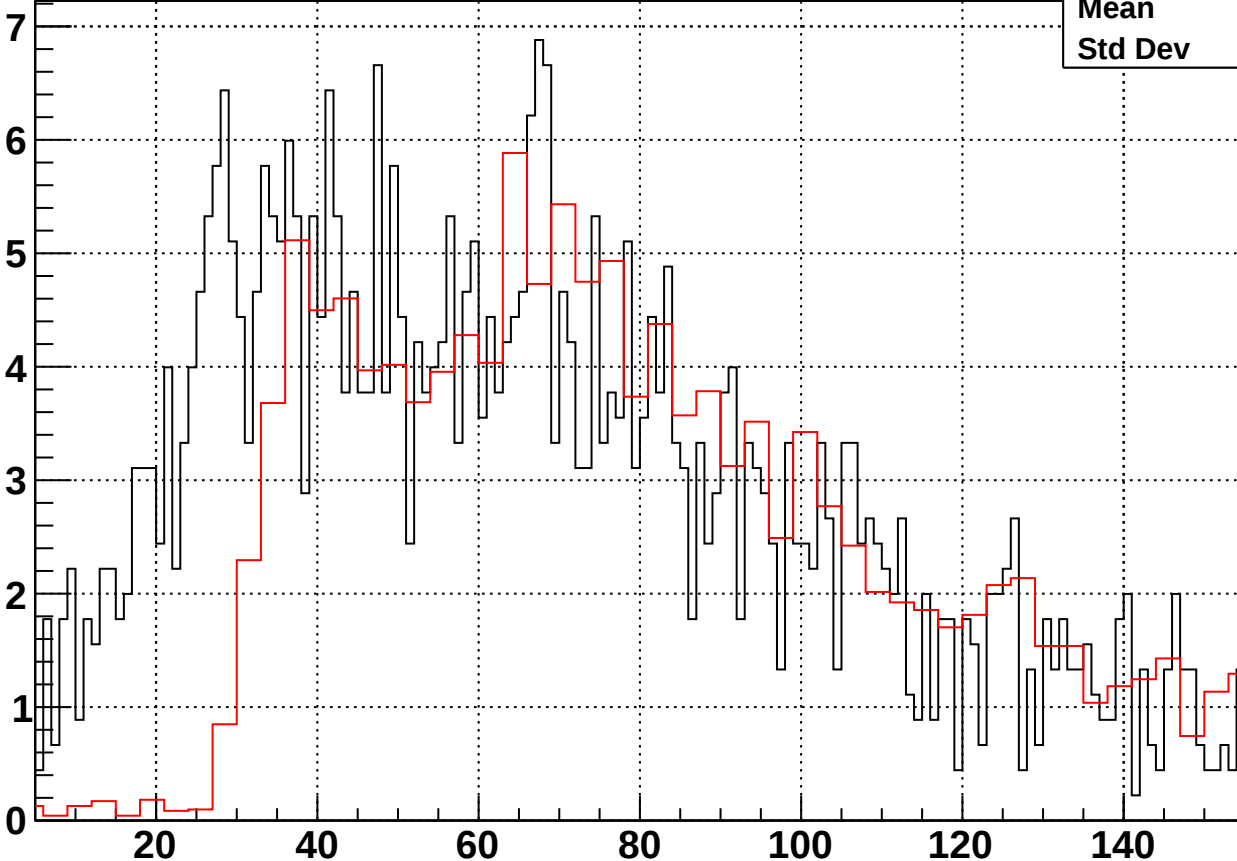
hL1_7_18

hL1_7_18	
Entries	3641
Mean	192.1
Std Dev	98.02



hL1_7_19

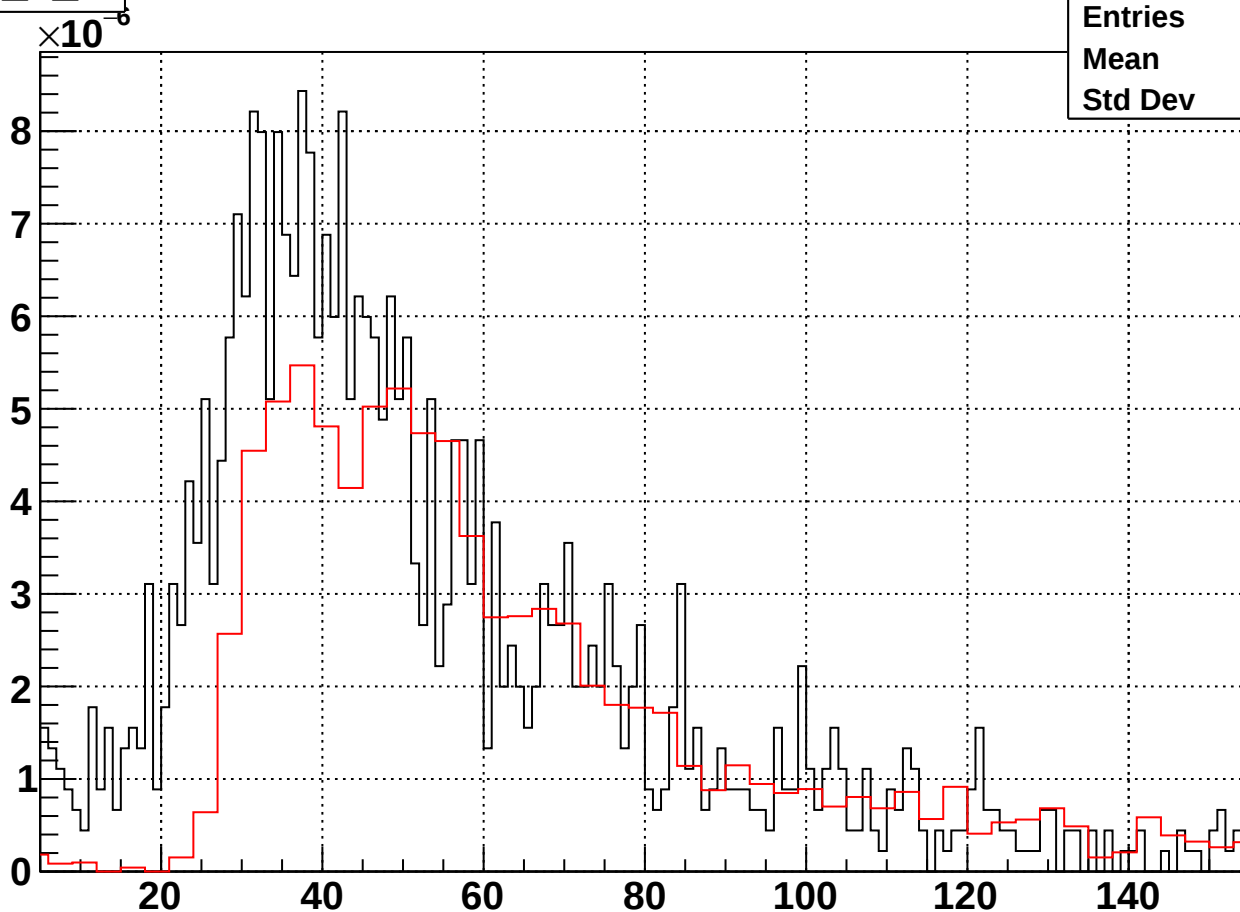


hL1_8_1 $\times 10^{-6}$ **hL1_8_1**

Entries	4266
Mean	103.9
Std Dev	74.37

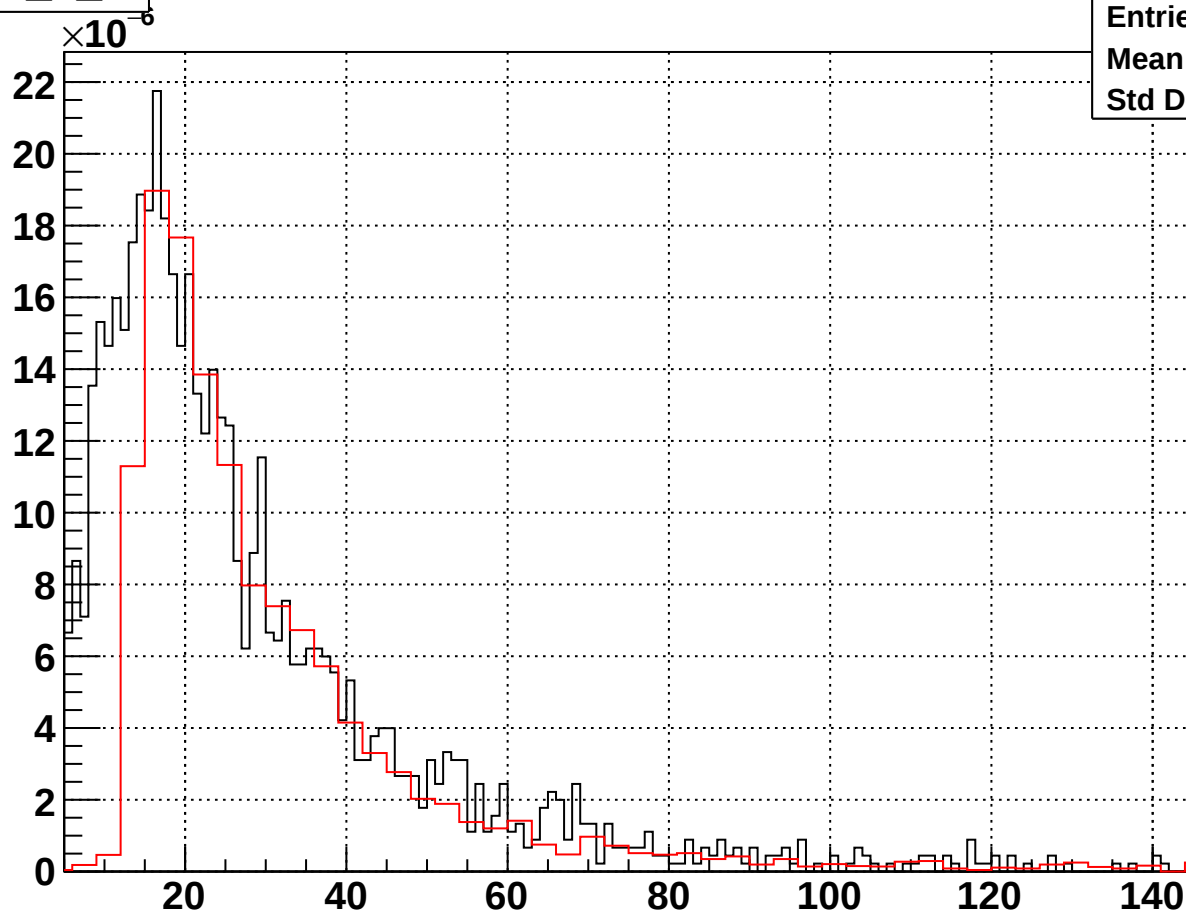
hL1_8_2

hL1_8_2	
Entries	2482
Mean	70.19
Std Dev	49.64



hL1_8_3**hL1_8_3**

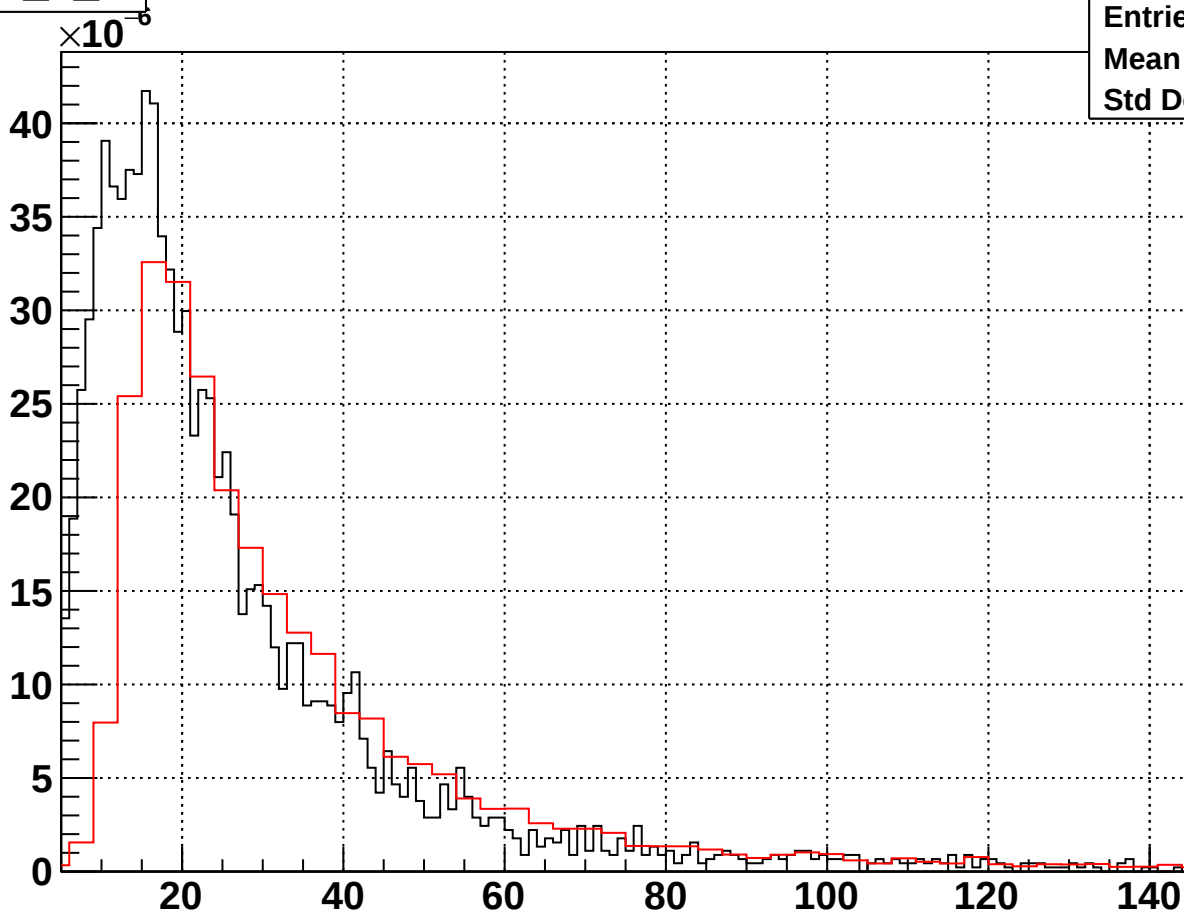
Entries	3607
Mean	33.58
Std Dev	32.04



hL1_8_4

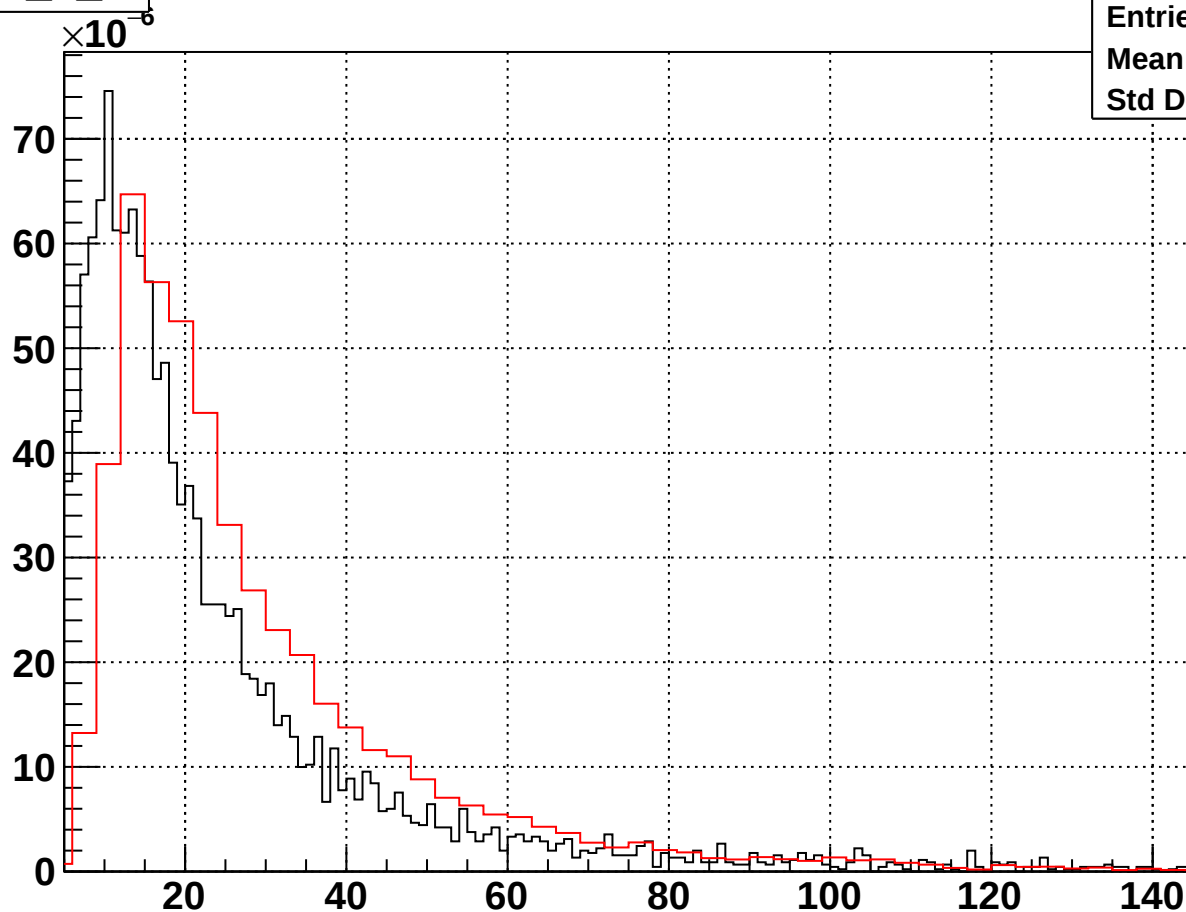
hL1_8_4

Entries	7760
Mean	36.35
Std Dev	36.86



hL1_8_5**hL1_8_5**

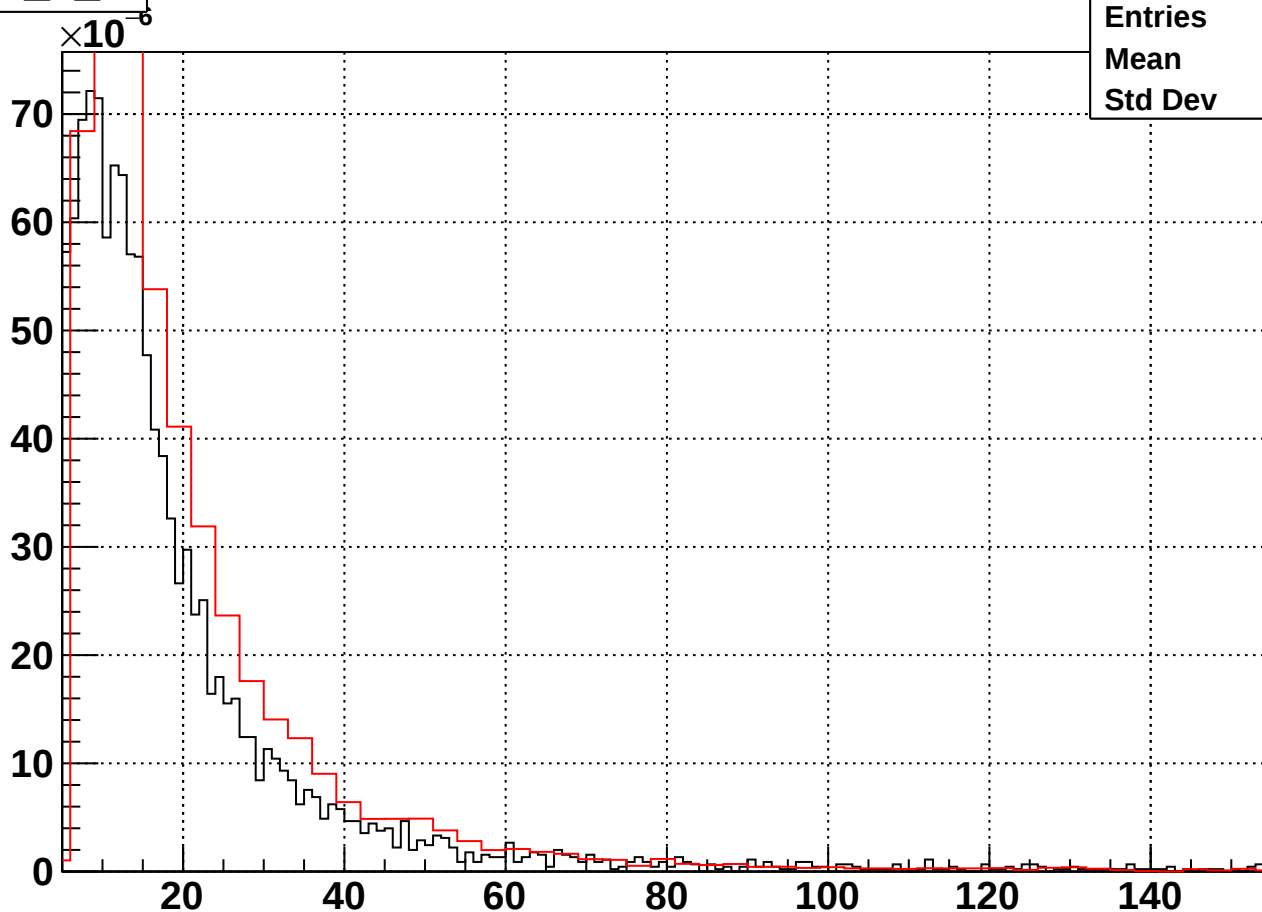
Entries	13852
Mean	31.12
Std Dev	30.58



hL1_8_6

hL1_8_6

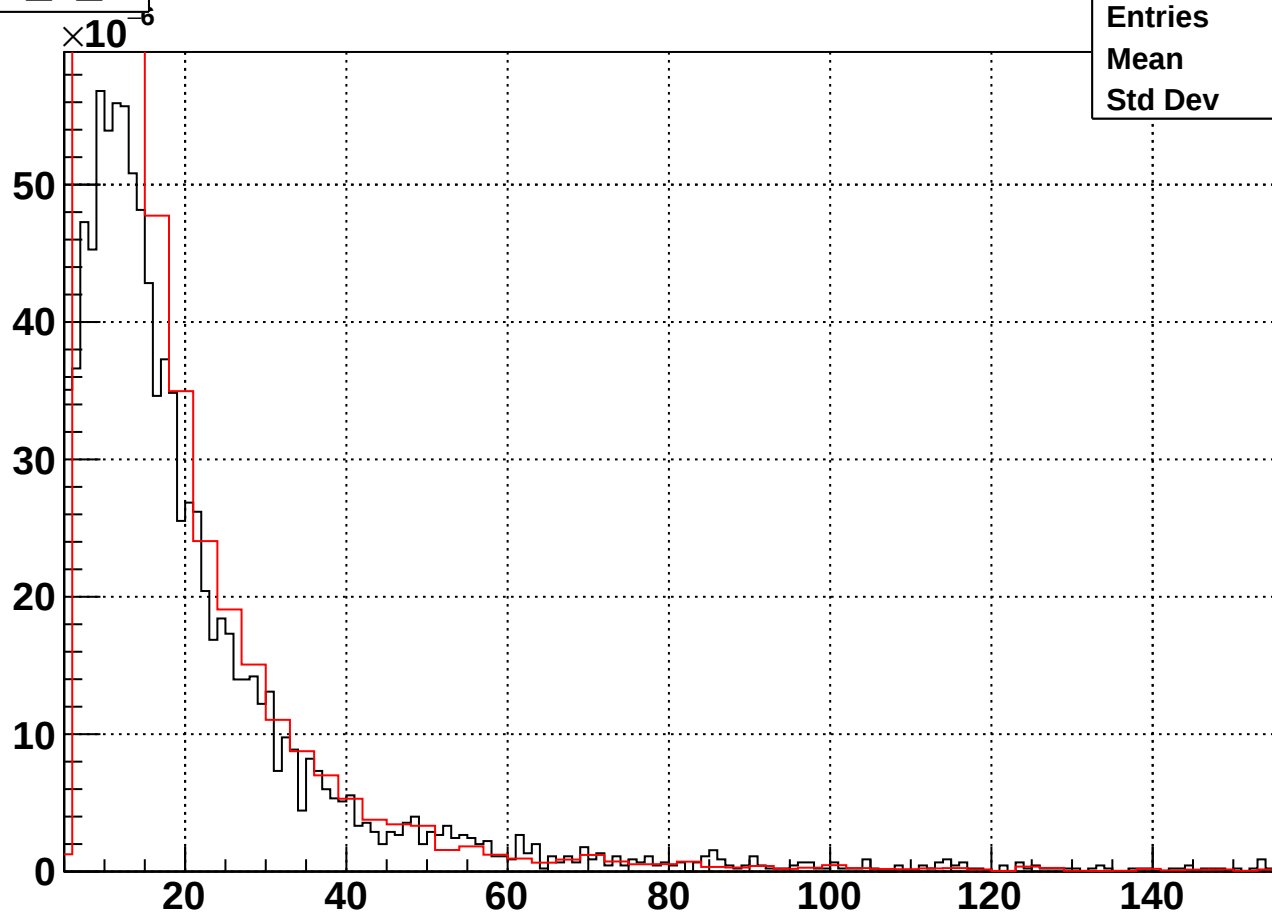
Entries	13474
Mean	22.2
Std Dev	25.63



hL1_8_7

hL1_8_7

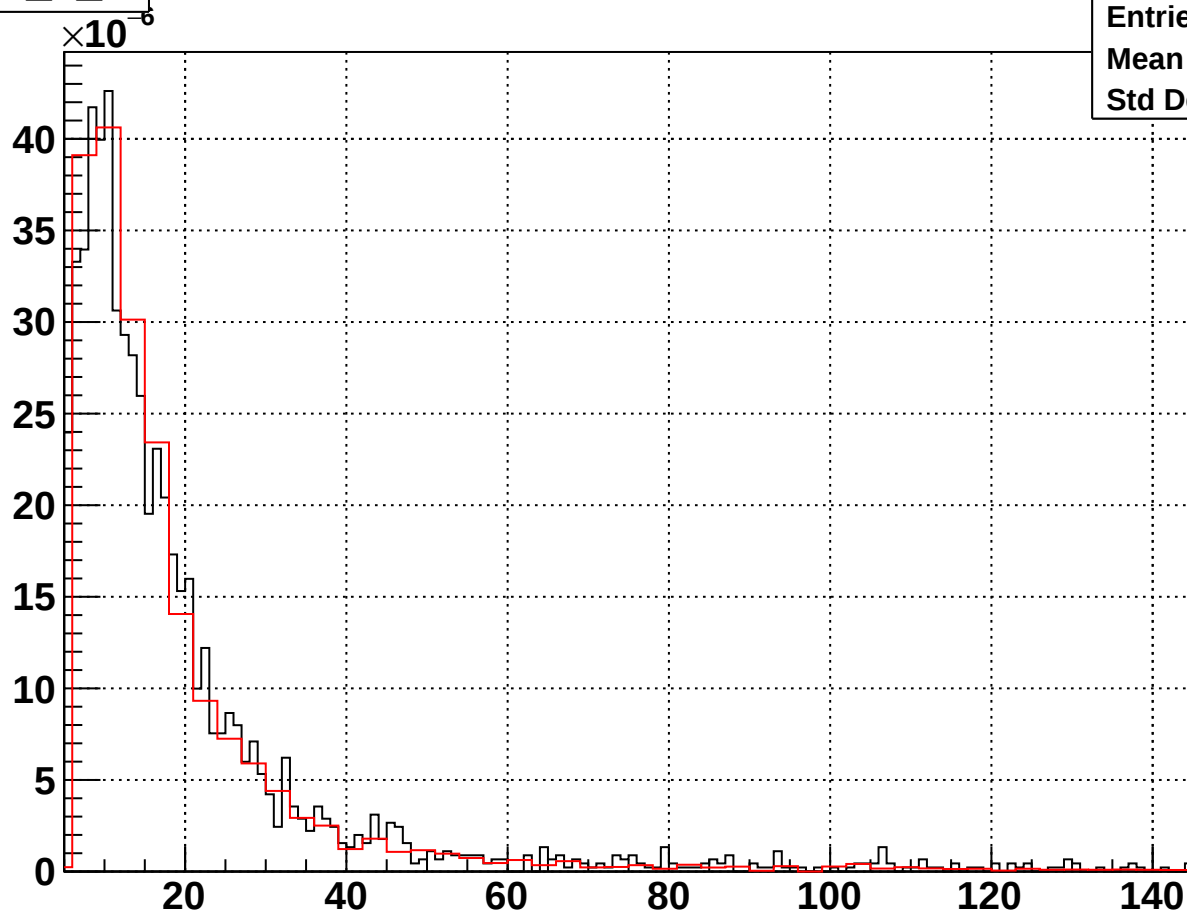
Entries	11524
Mean	20.78
Std Dev	24.05



hL1_8_8

hL1_8_8

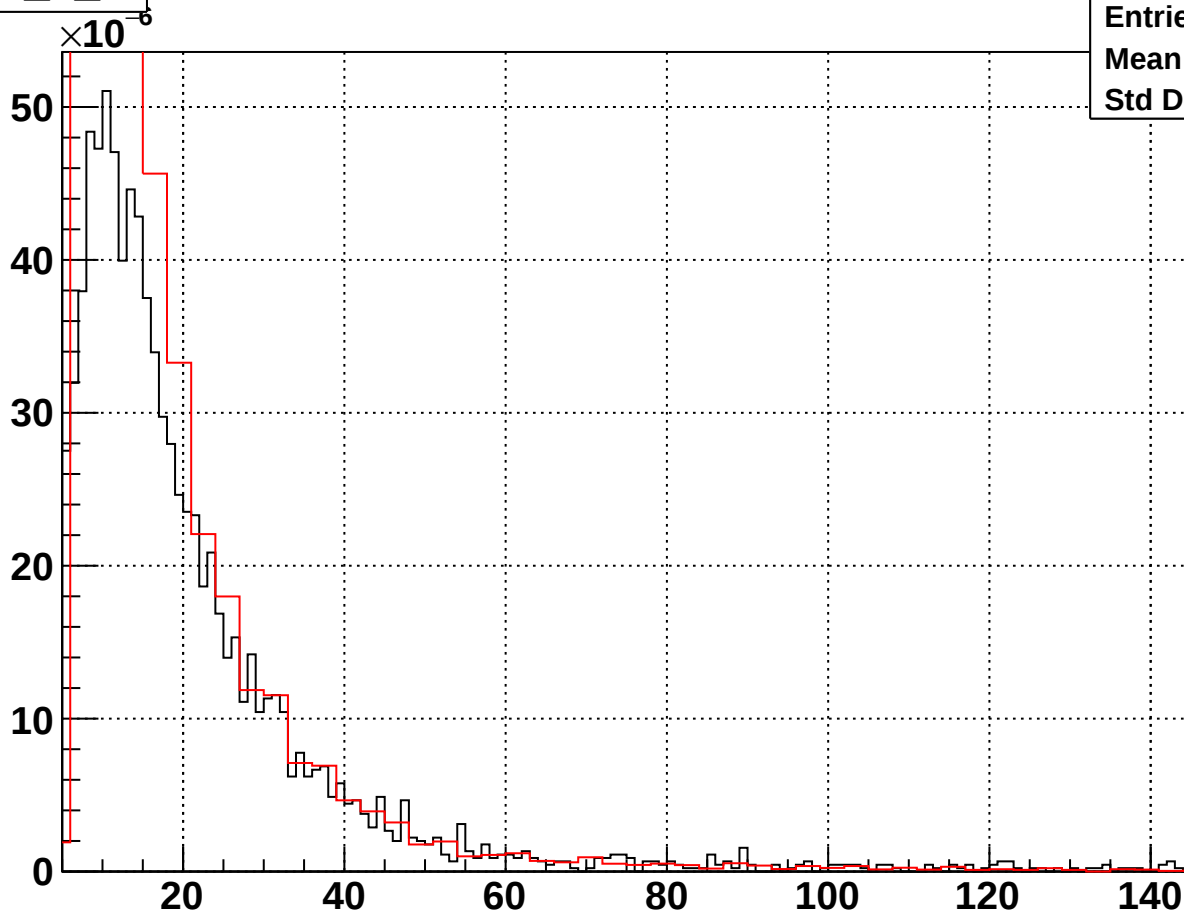
Entries	5443
Mean	20.65
Std Dev	29



hL1_8_9

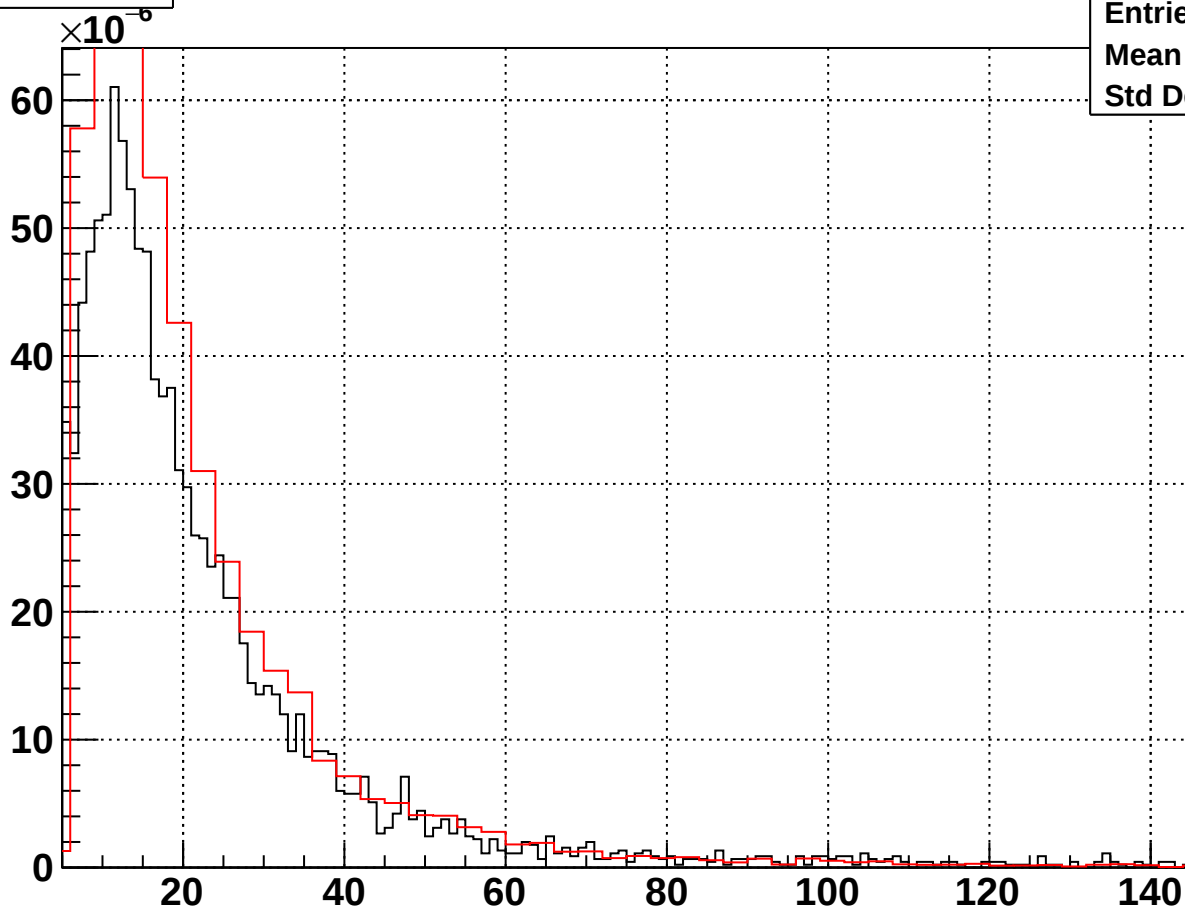
hL1_8_9

Entries	11258
Mean	20.43
Std Dev	26.44



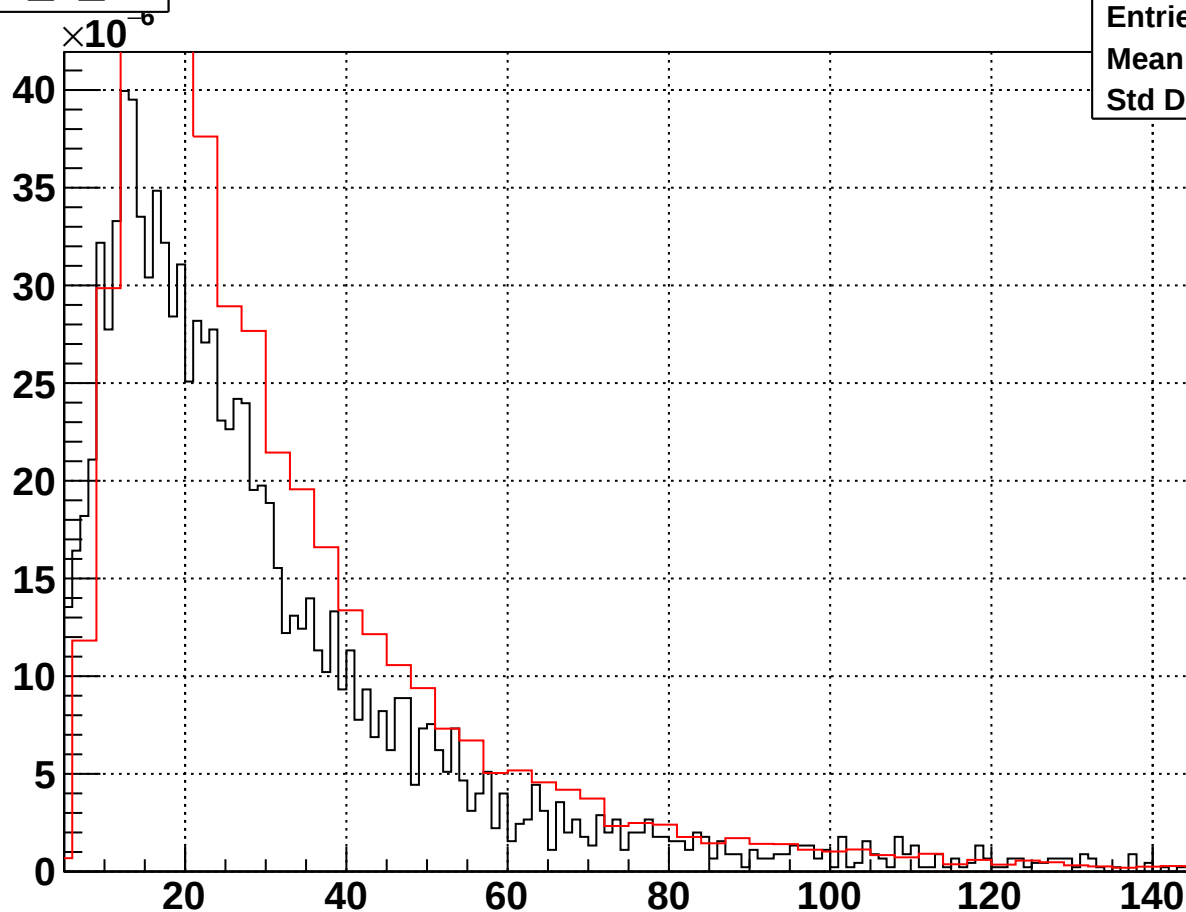
hL1_8_10**hL1_8_10**

Entries	13092
Mean	23.17
Std Dev	26.66



hL1_8_11**hL1_8_11**

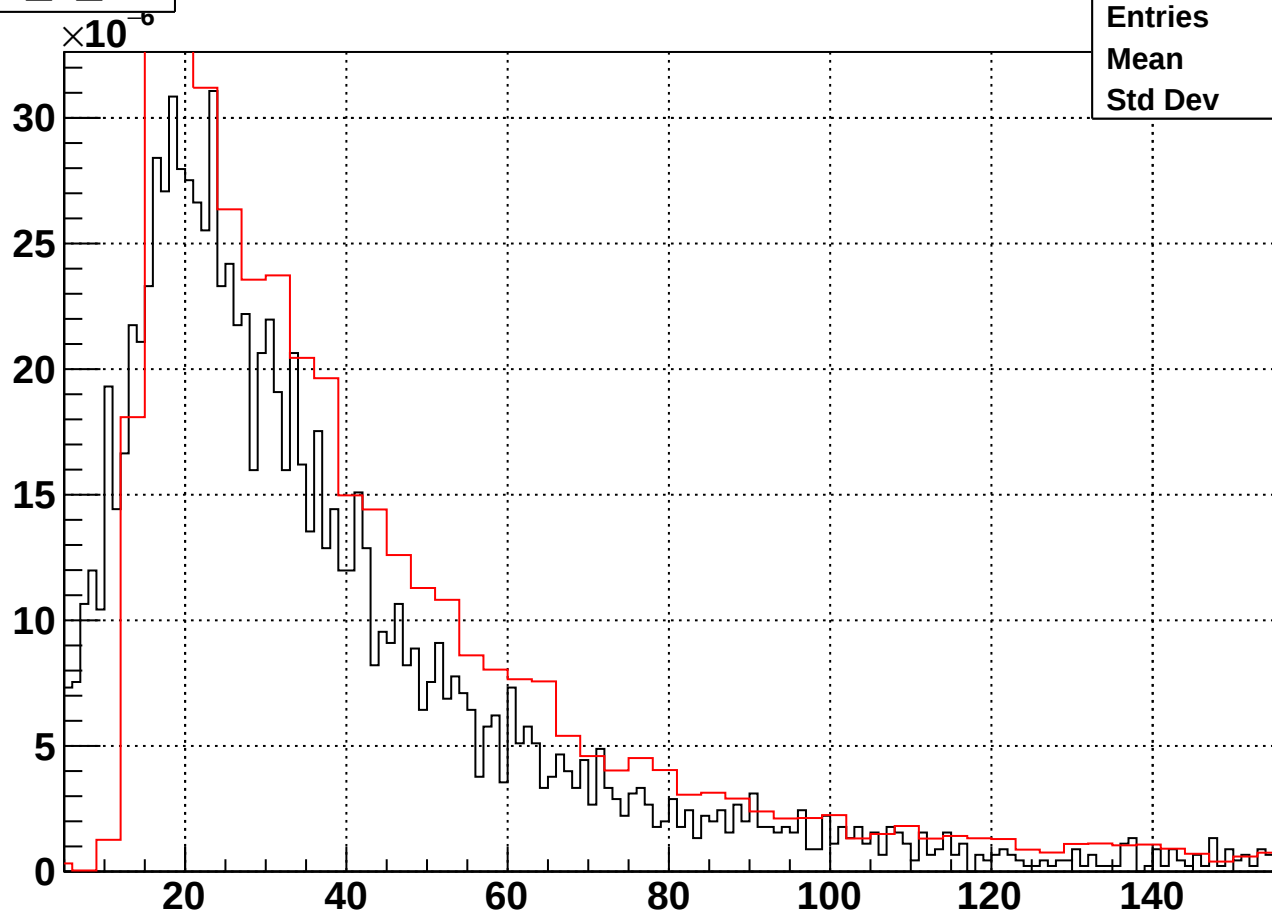
Entries	12994
Mean	33.46
Std Dev	34.28



hL1_8_12

hL1_8_12

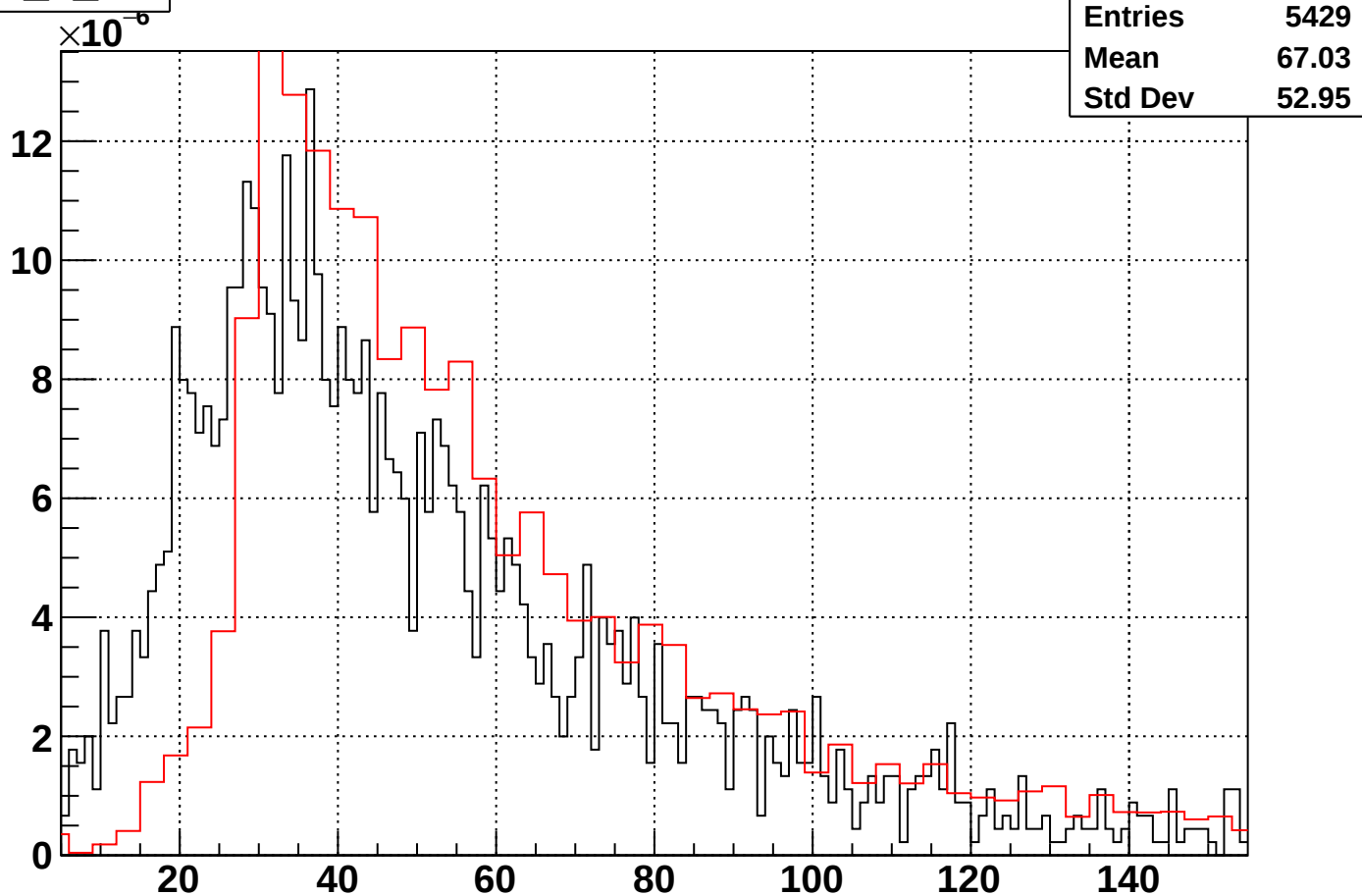
Entries	11222
Mean	46.83
Std Dev	43.7



hL1_8_13

hL1_8_13

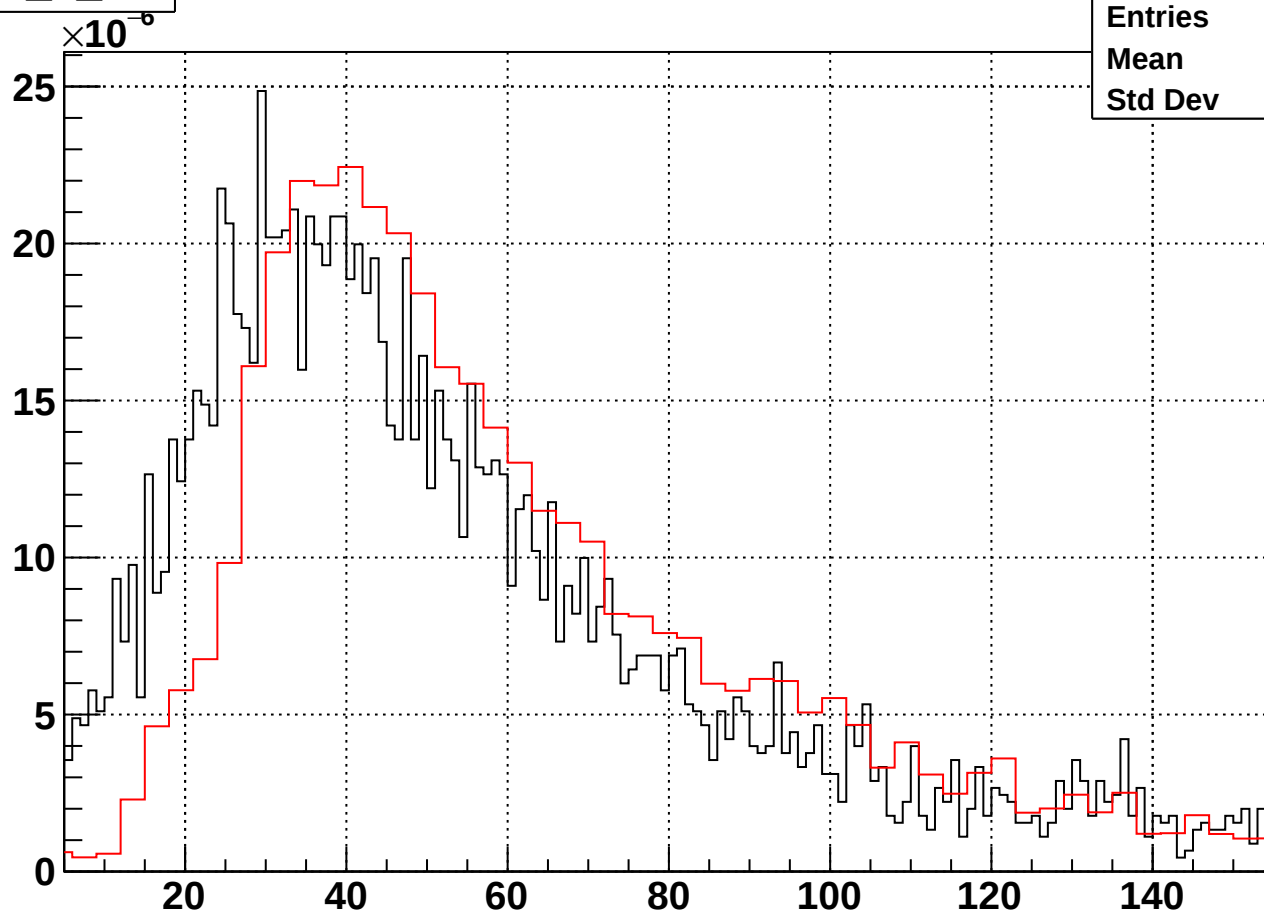
Entries	5429
Mean	67.03
Std Dev	52.95



hL1_8_14

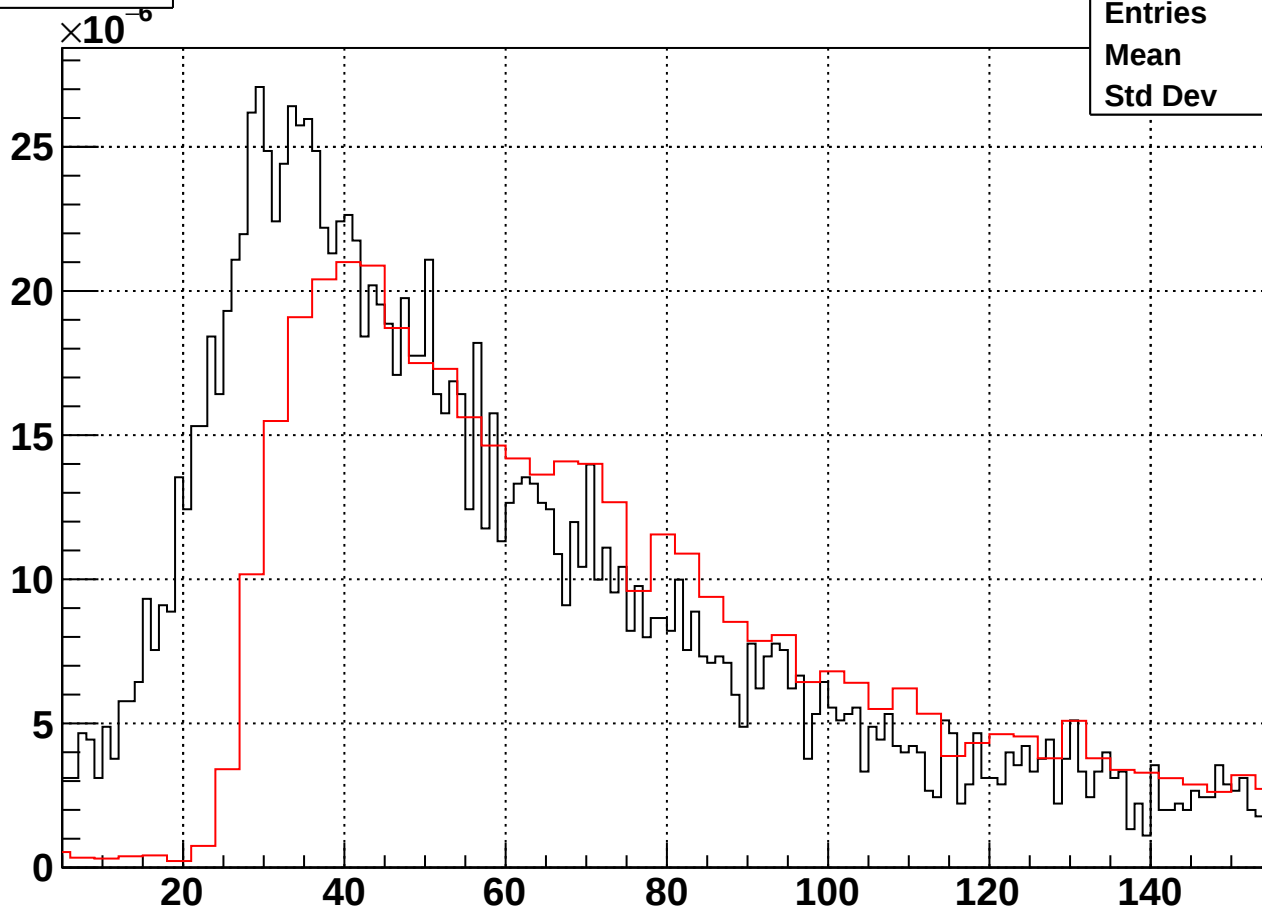
hL1_8_14

Entries	11560
Mean	68.86
Std Dev	51.59



hL1_8_15**hL1_8_15**

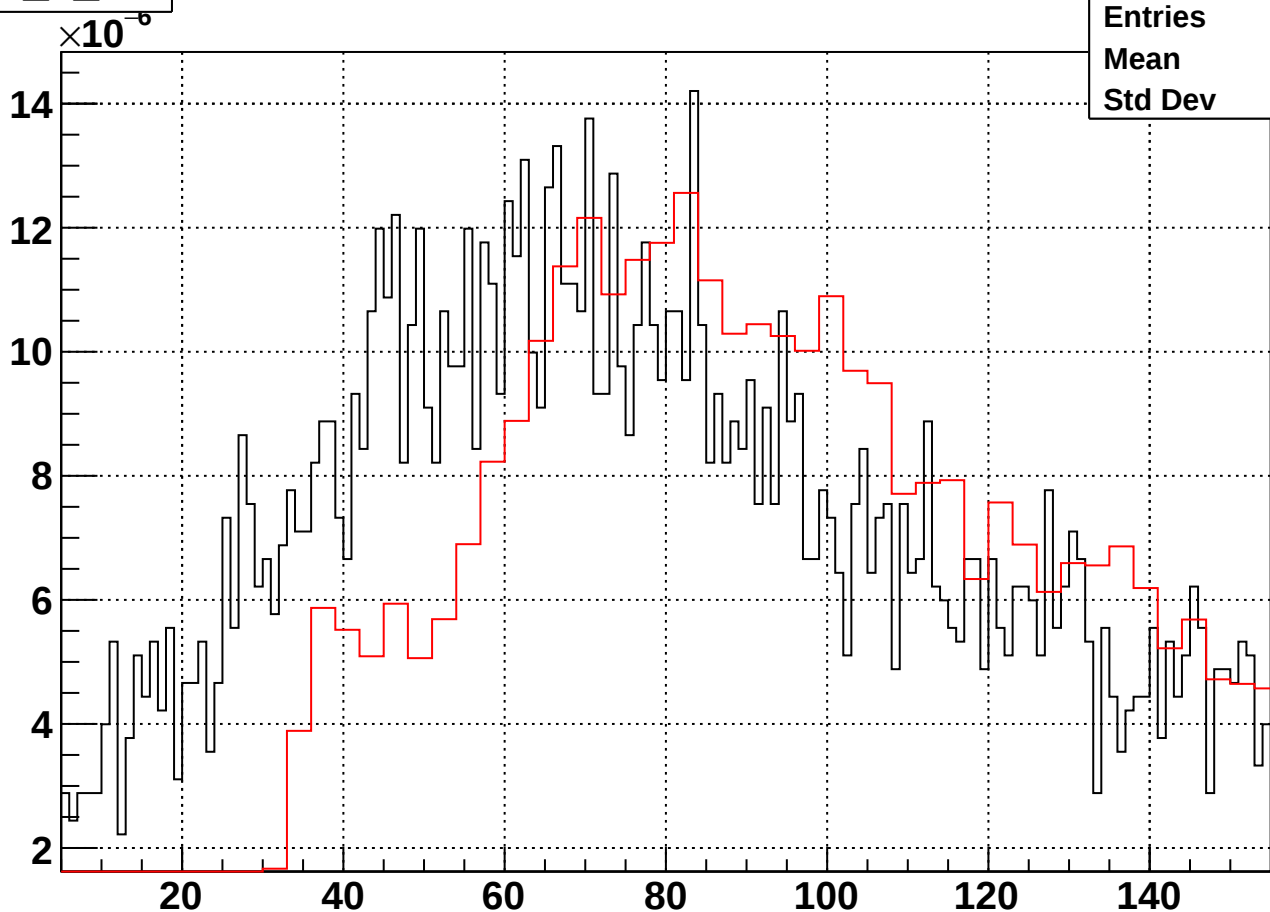
Entries	13139
Mean	88.16
Std Dev	65.85



hL1_8_16

hL1_8_16

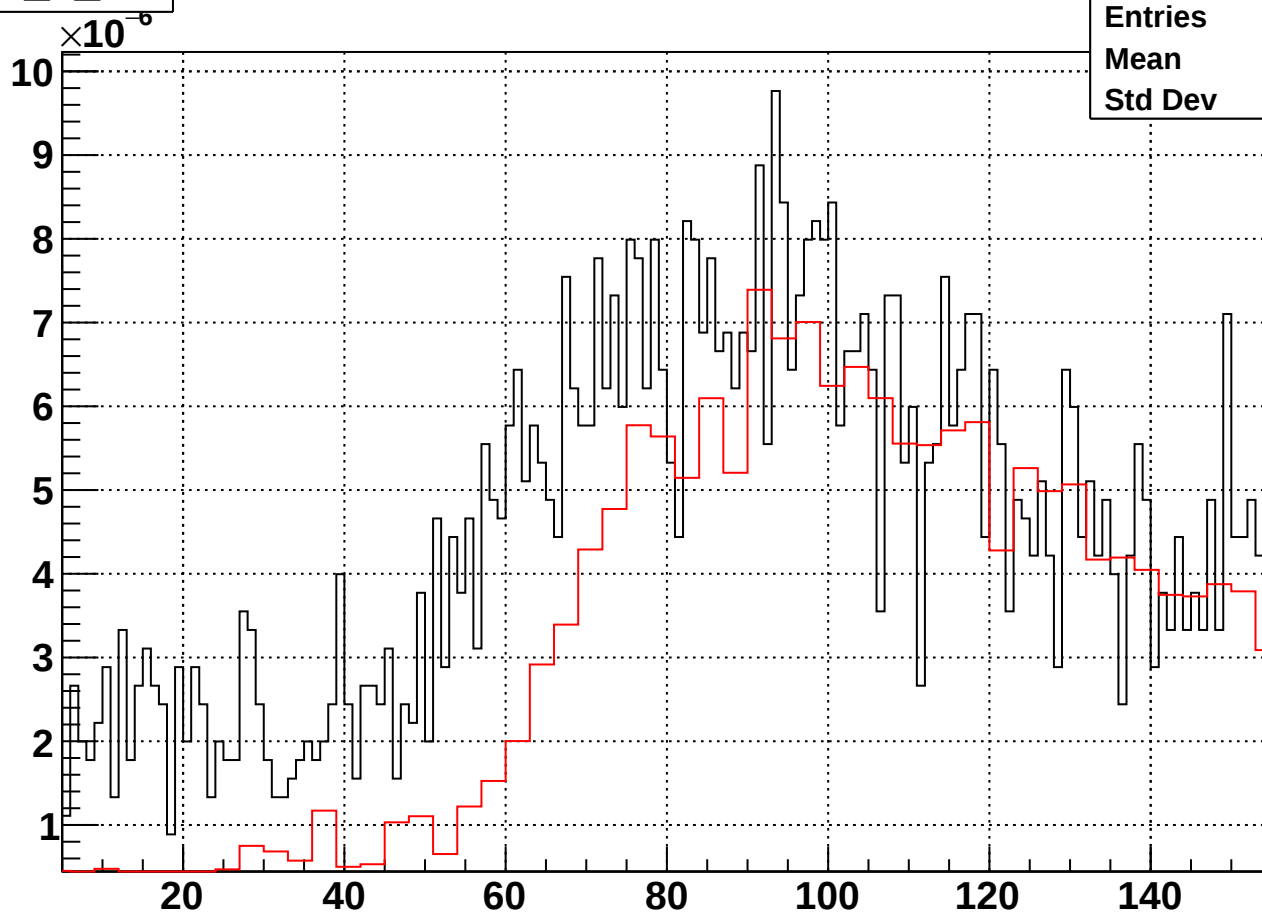
Entries	13499
Mean	143.7
Std Dev	96.53



hL1_8_17

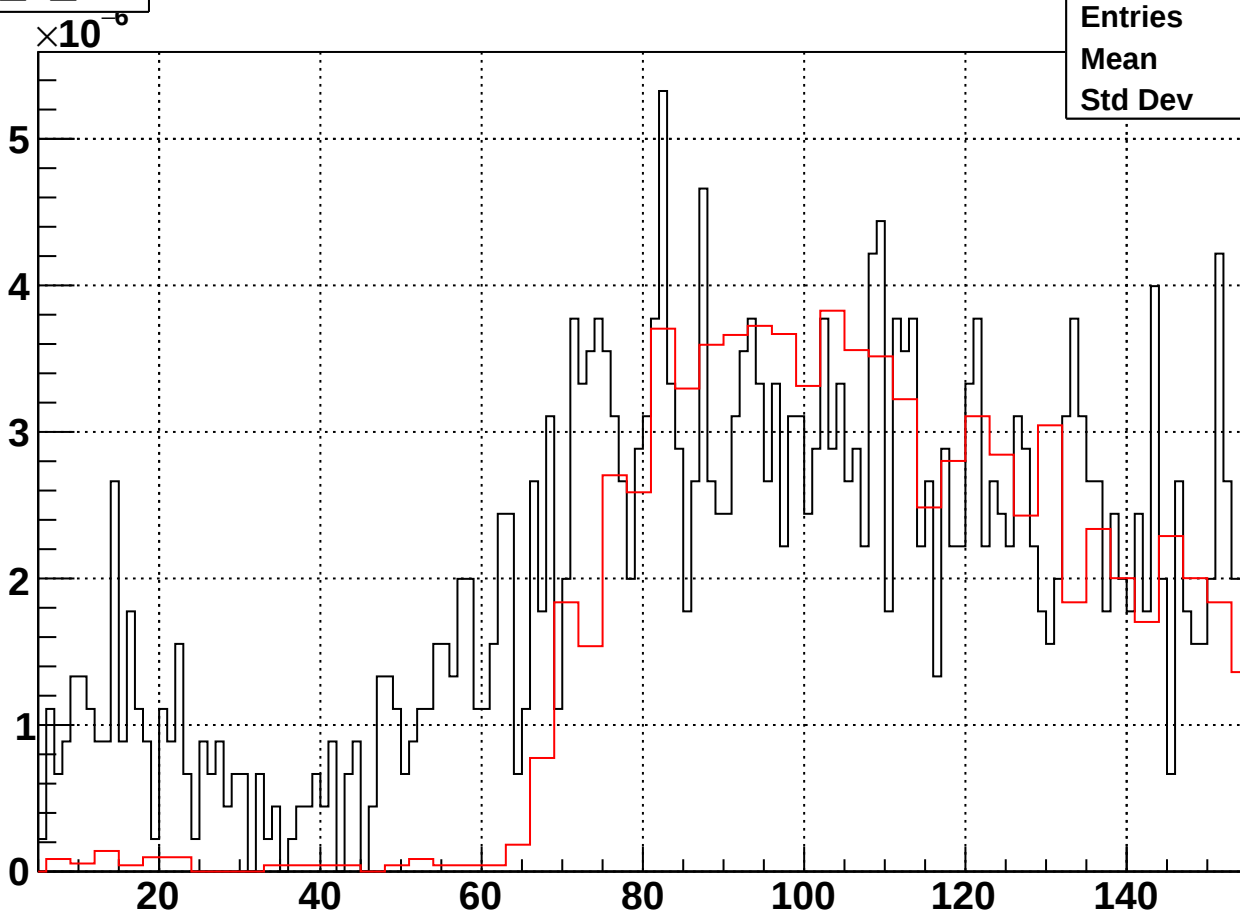
hL1_8_17

Entries	7691
Mean	158.4
Std Dev	93.69



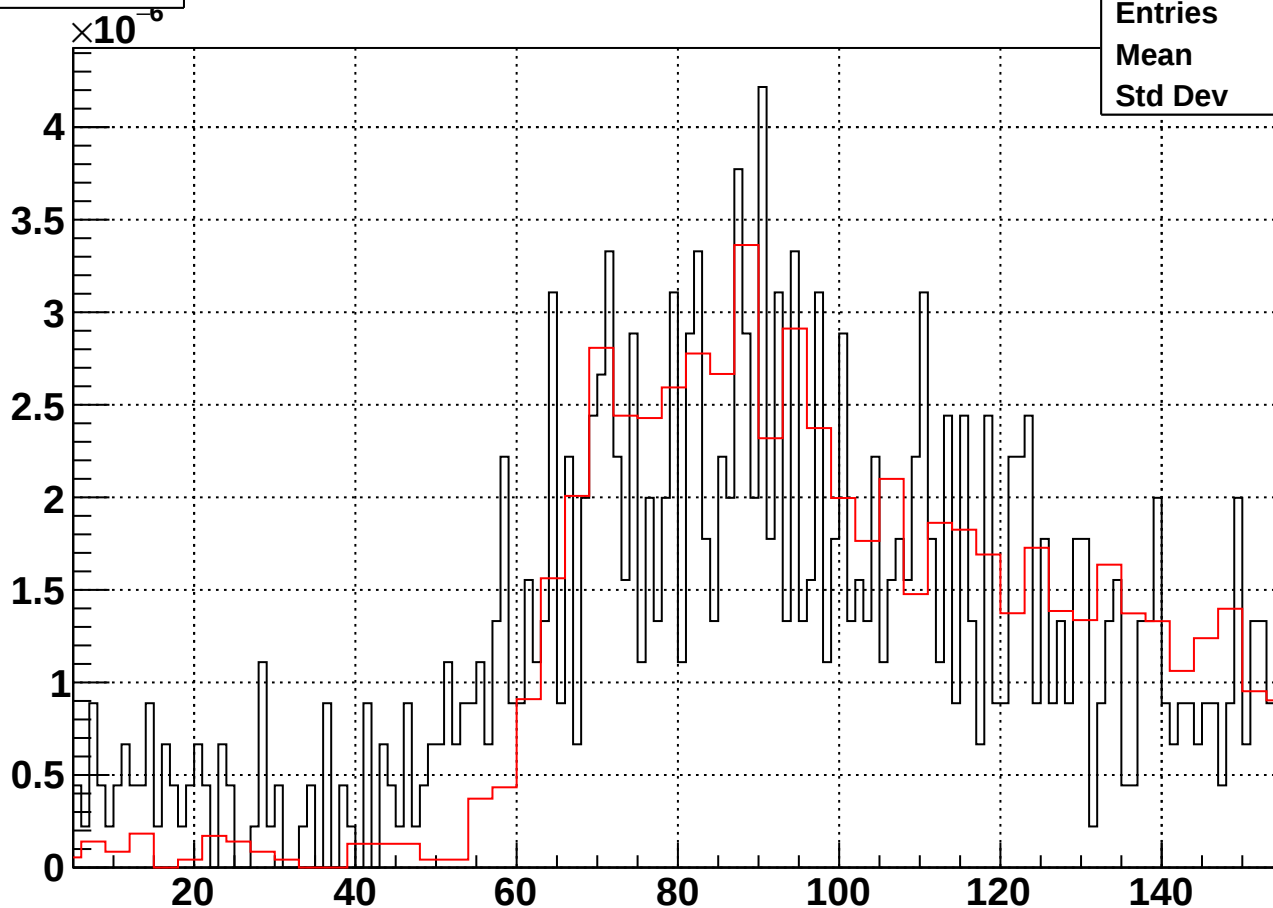
hL1_8_18

hL1_8_18	
Entries	3666
Mean	157.4
Std Dev	82.53



hL1_8_19**hL1_8_19**

Entries	2458
Mean	139.8
Std Dev	78.93



hL1_8_19**hL1_8_19**

Entries	2458
Mean	139.8
Std Dev	78.93

