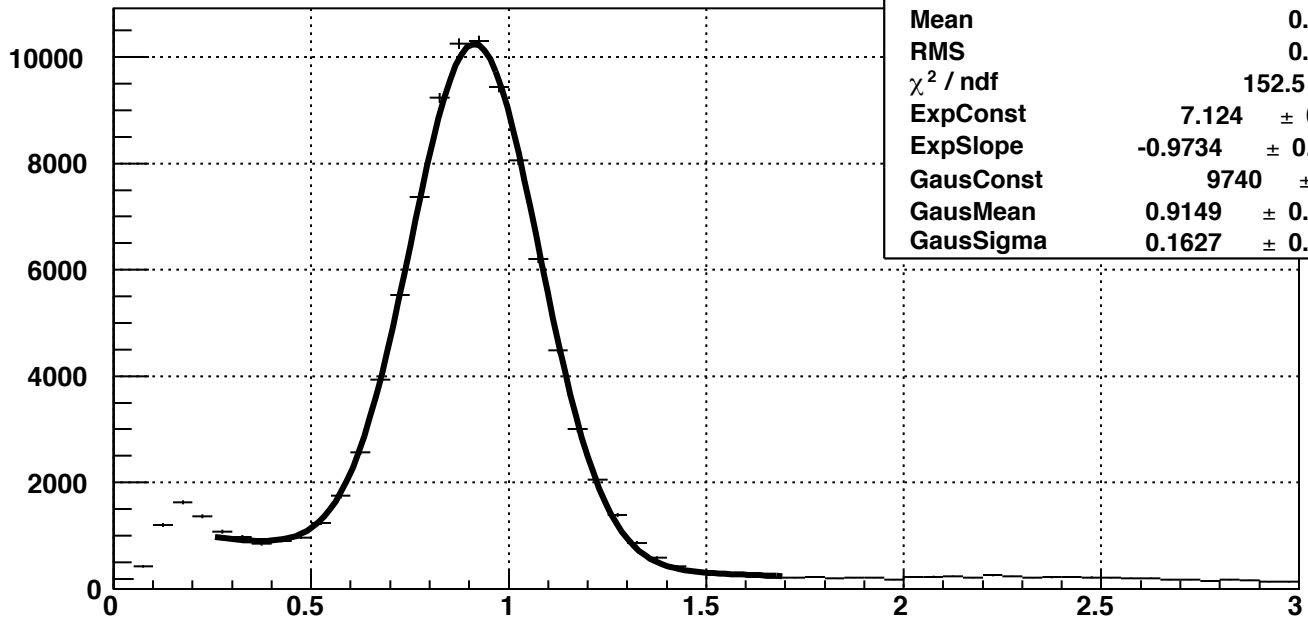
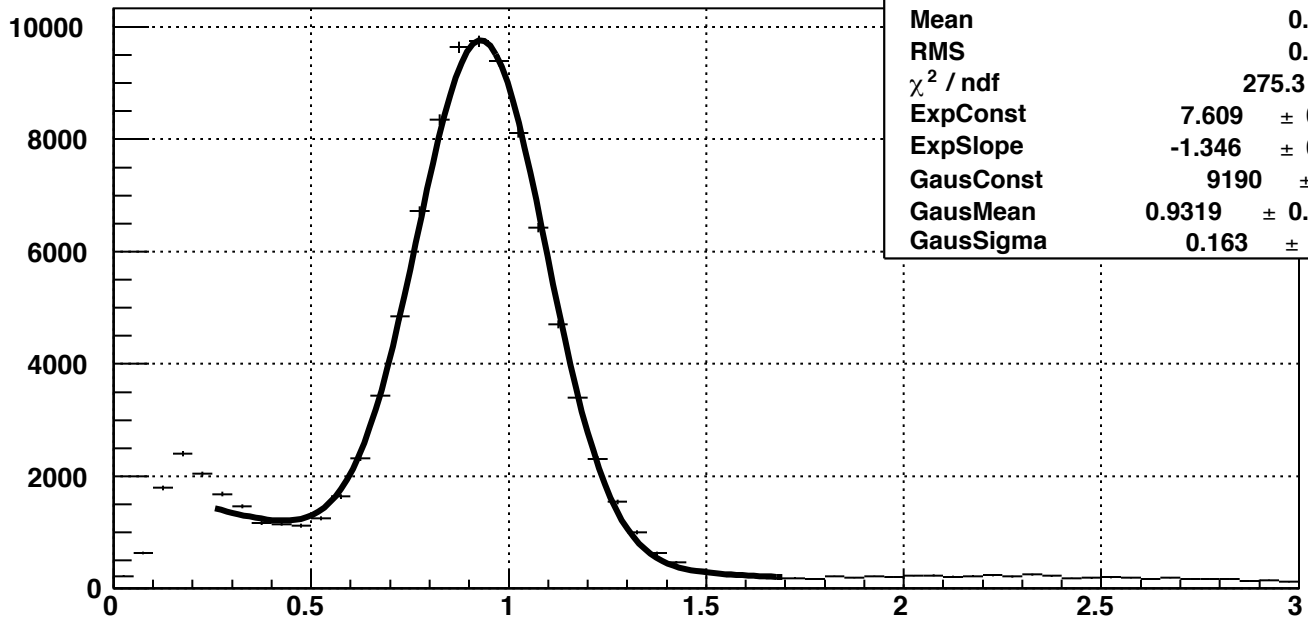


1.5 > P > 2.5

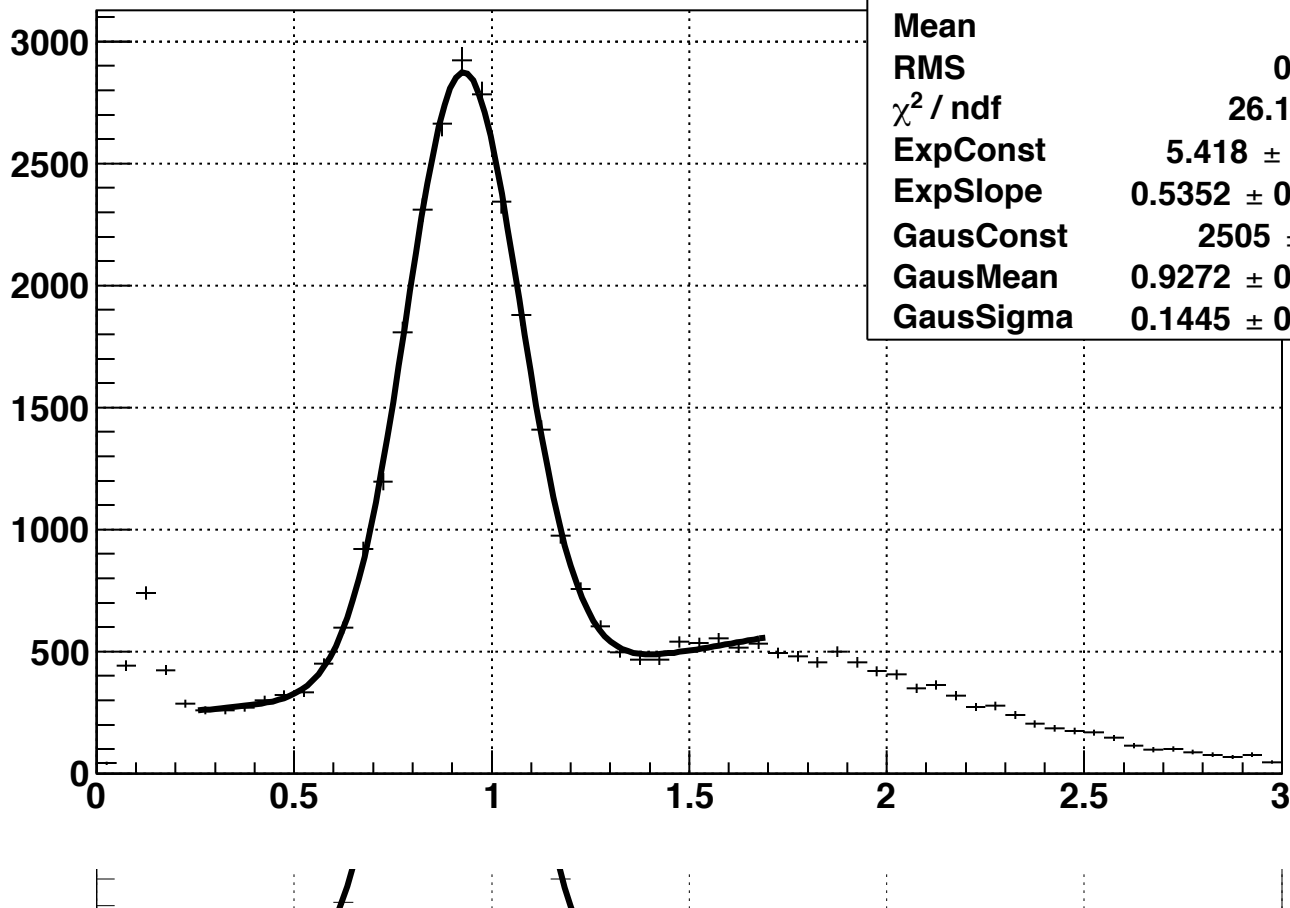


EoverP_BHT1pEle 0	
Entries	106516
Mean	0.9338
RMS	0.4148
$\chi^2 / \text{ndf}$	152.5 / 24
ExpConst	7.124 $\pm$ 0.022
ExpSlope	-0.9734 $\pm$ 0.0241
GausConst	9740 $\pm$ 45.9
GausMean	0.9149 $\pm$ 0.0007
GausSigma	0.1627 $\pm$ 0.0006

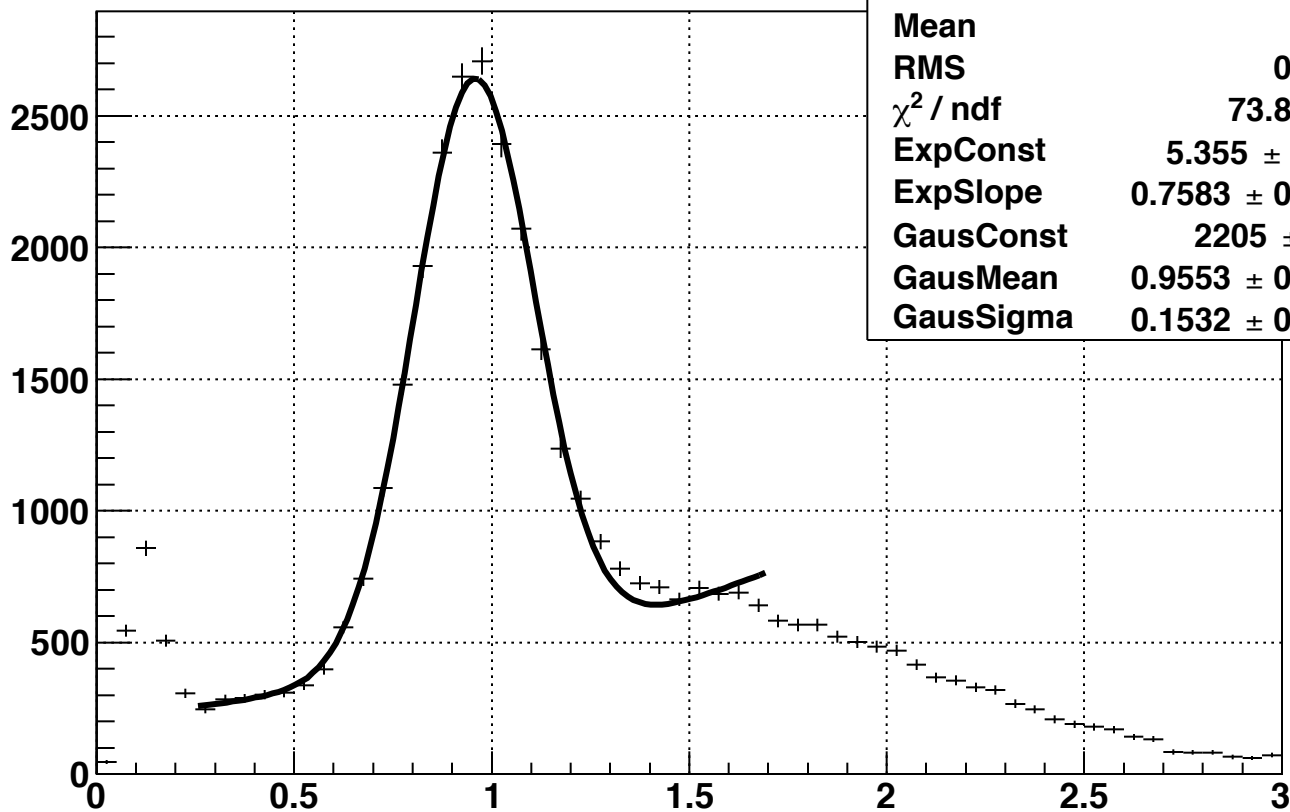


EoverP_BHT1pPos 0	
Entries	107915
Mean	0.9159
RMS	0.4339
$\chi^2 / \text{ndf}$	275.3 / 24
ExpConst	7.609 $\pm$ 0.019
ExpSlope	-1.346 $\pm$ 0.025
GausConst	9190 $\pm$ 45.0
GausMean	0.9319 $\pm$ 0.0007
GausSigma	0.163 $\pm$ 0.001

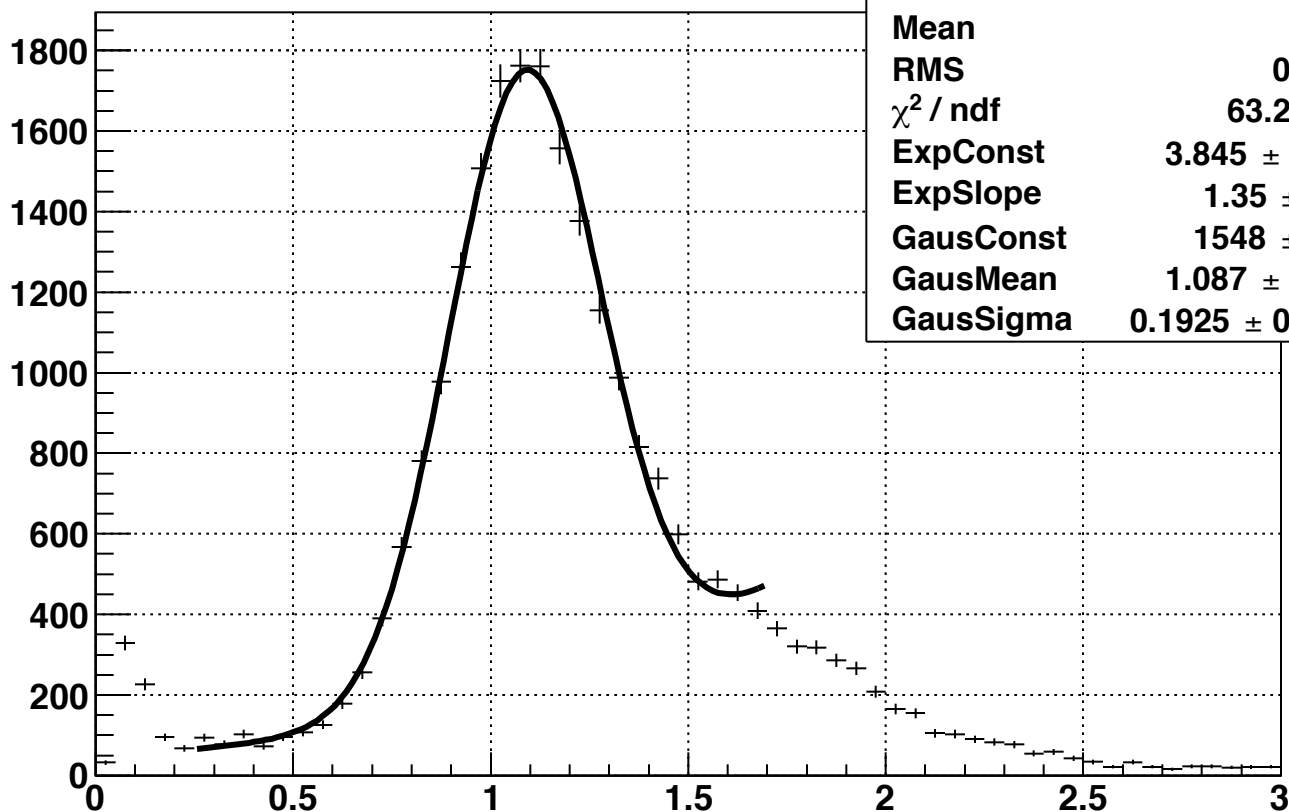
2.5 > P > 3.5



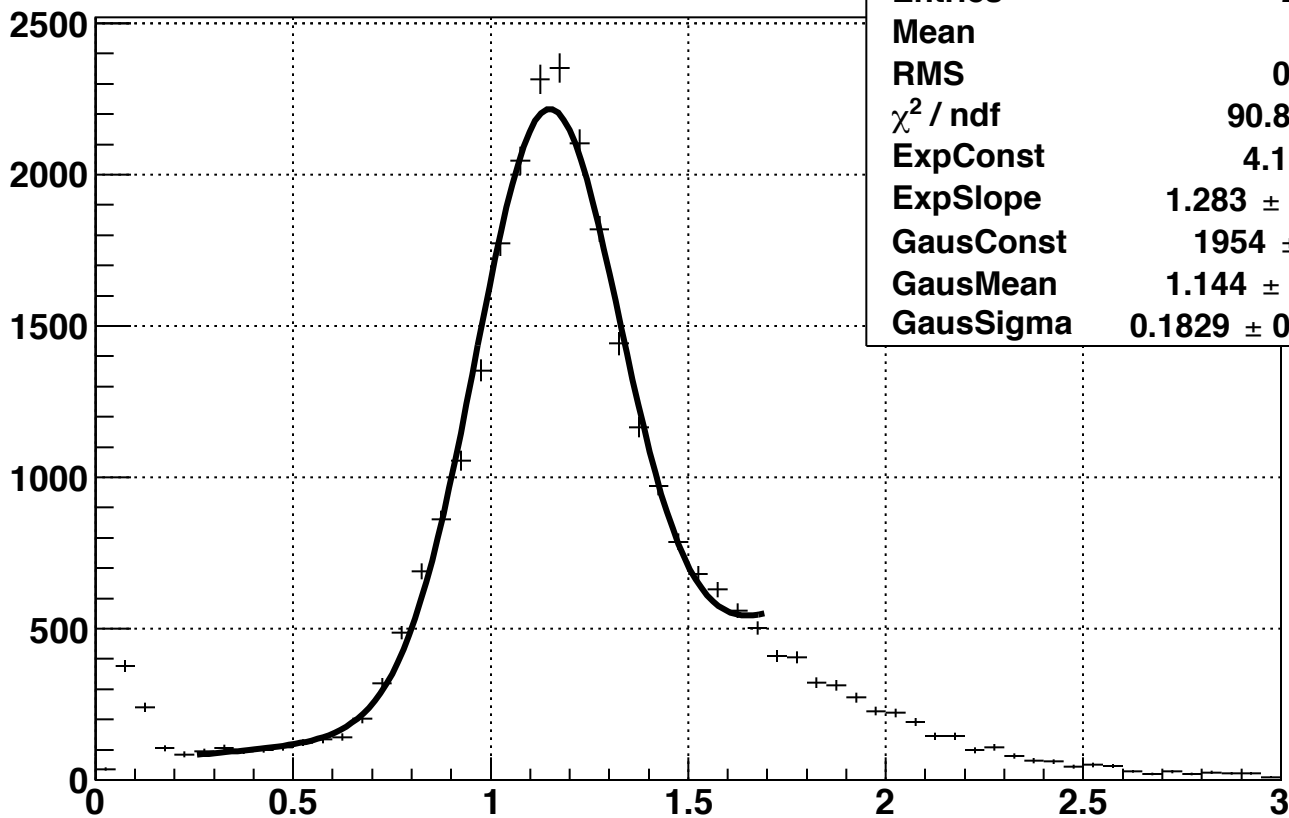
EoverP\_BHT1pPos 1



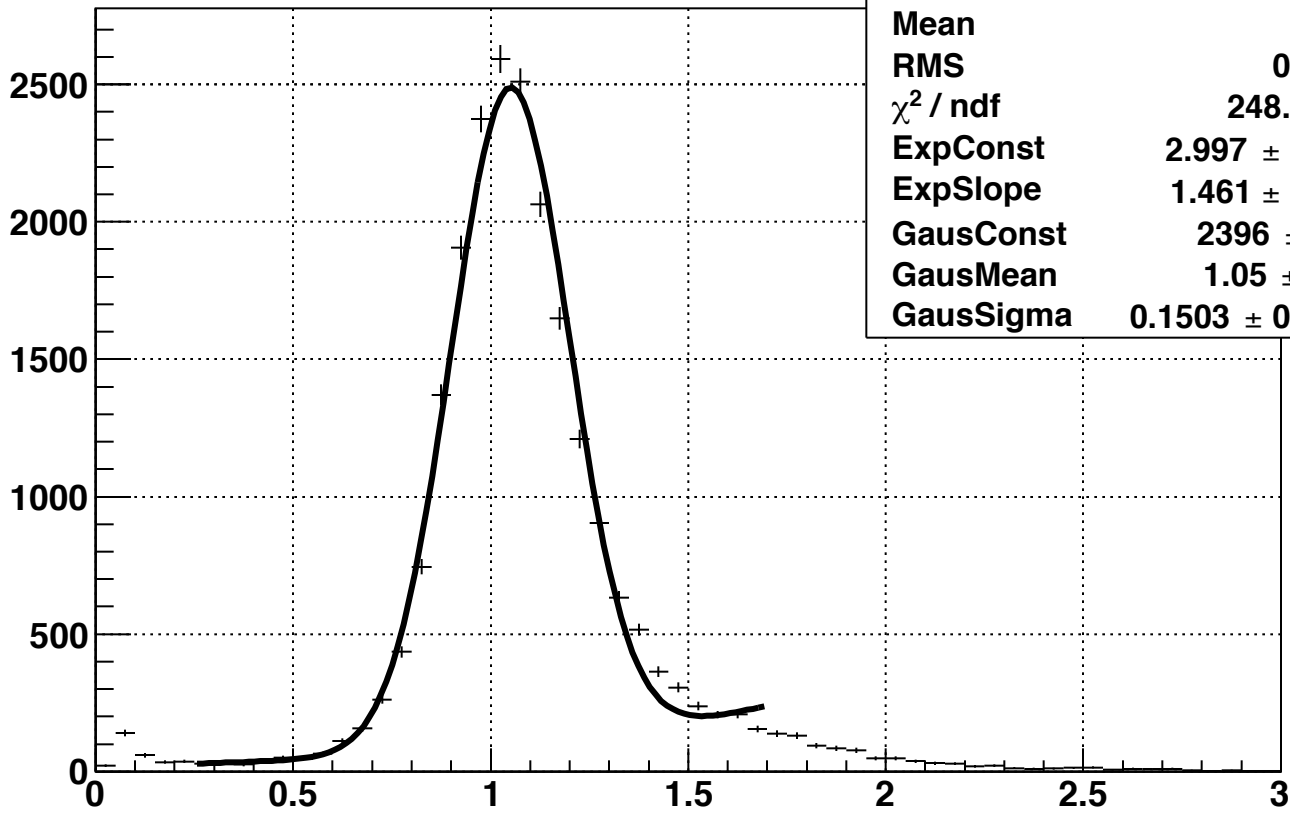
3.5 > P > 4.5



EoverP_BHT1pPos 2	
Entries	29368
Mean	1.226
RMS	0.4229
$\chi^2 / \text{ndf}$	90.83 / 24
ExpConst	$4.1 \pm 0.0$
ExpSlope	$1.283 \pm 0.038$
GausConst	$1954 \pm 20.4$
GausMean	$1.144 \pm 0.002$
GausSigma	$0.1829 \pm 0.0020$

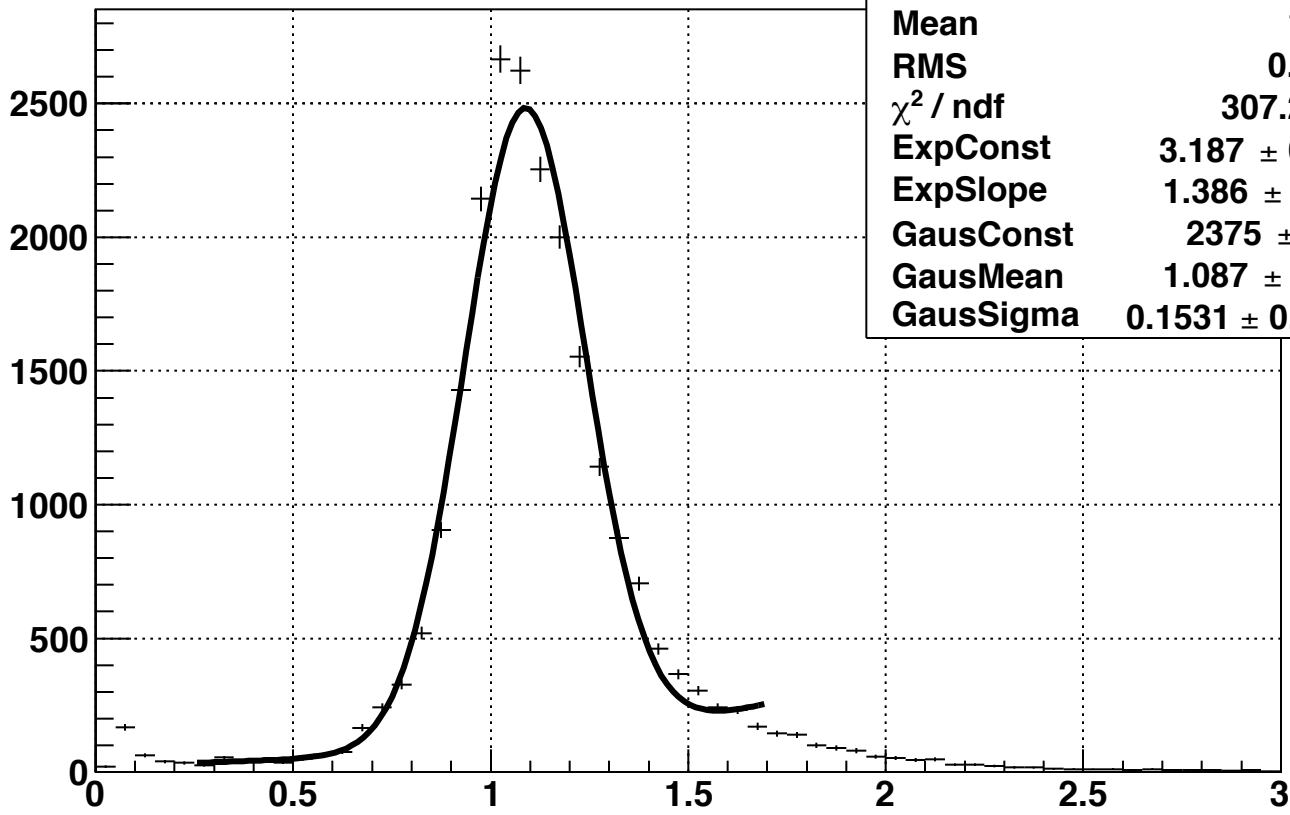


4.5 > P > 5.5



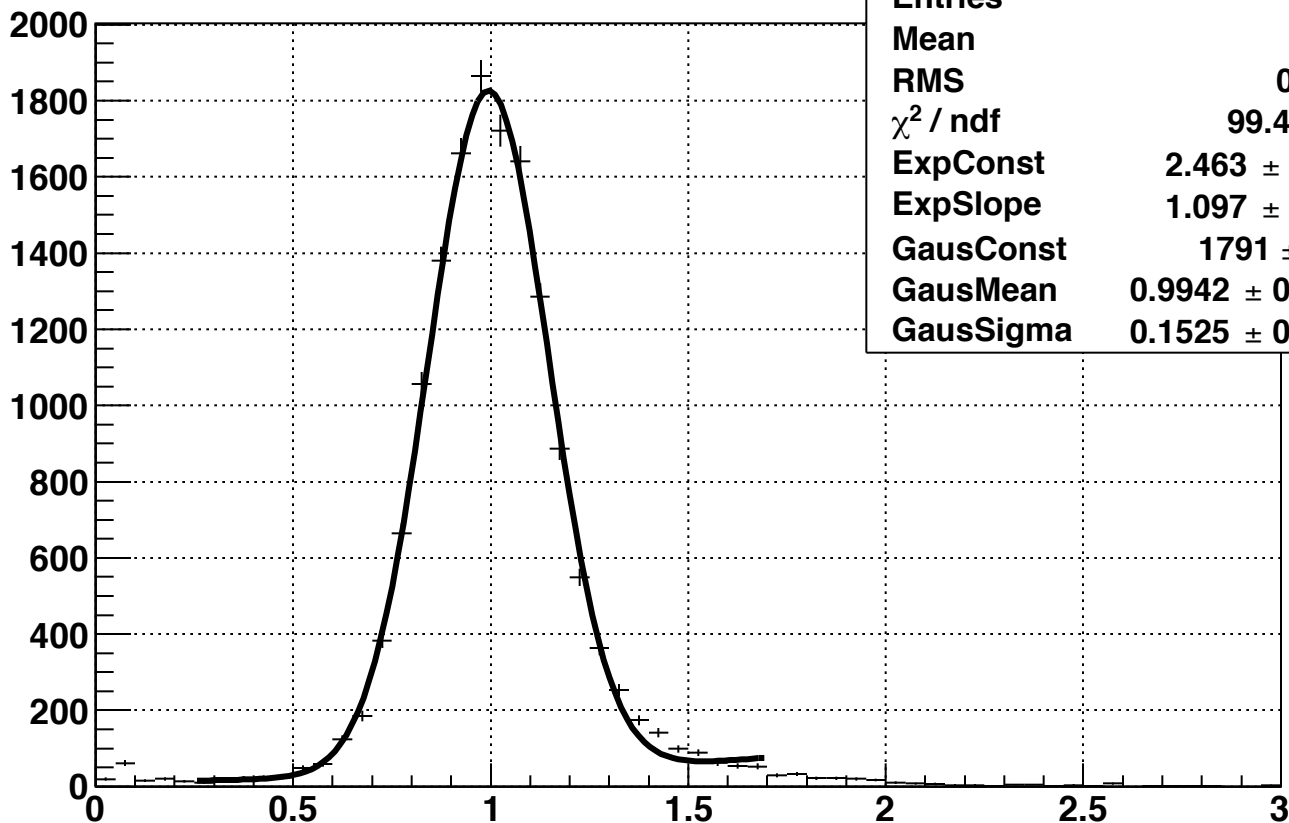
EoverP_BHT1pEle 3	
Entries	22379
Mean	1.097
RMS	0.2938
$\chi^2 / \text{ndf}$	248.7 / 24
ExpConst	$2.997 \pm 0.080$
ExpSlope	$1.461 \pm 0.054$
GausConst	$2396 \pm 24.1$
GausMean	$1.05 \pm 0.00$
GausSigma	$0.1503 \pm 0.0012$

EoverP\_BHT1pPos 3

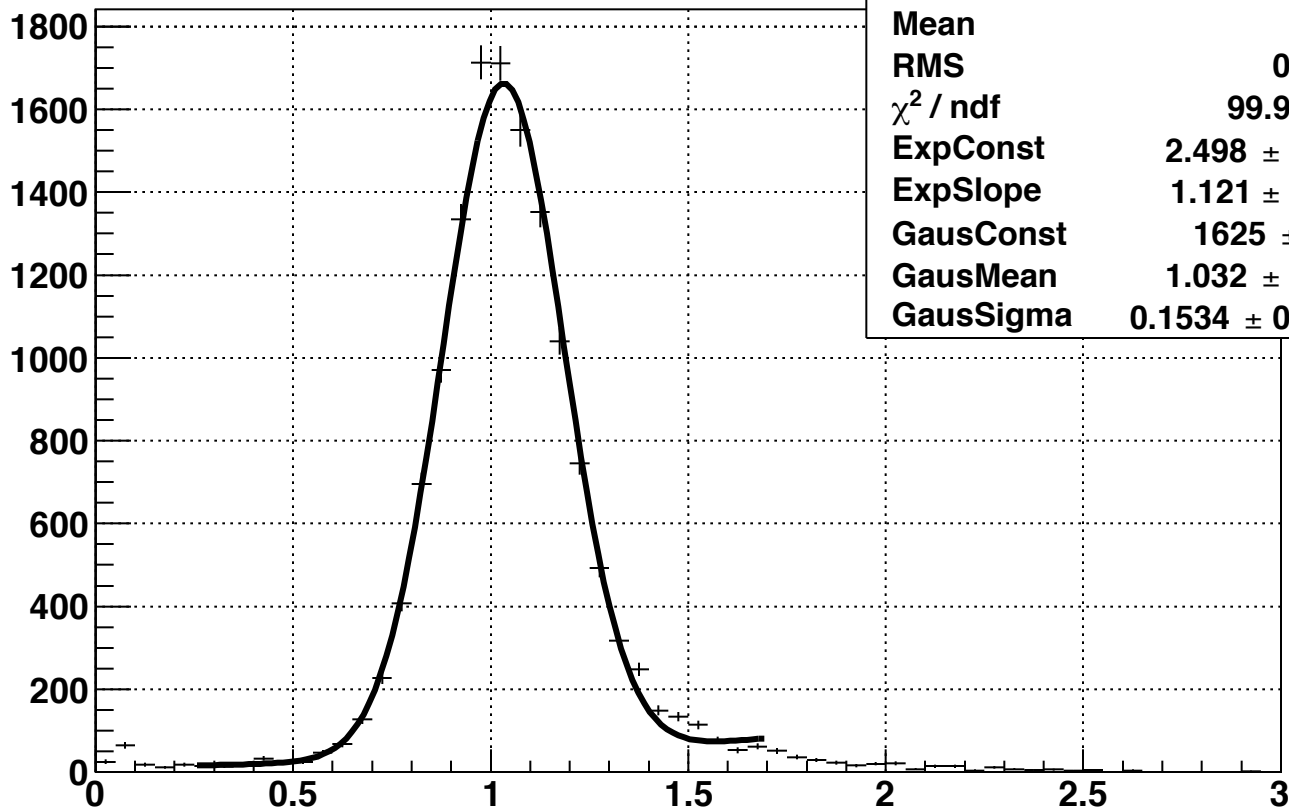


EoverP_BHT1pPos 3	
Entries	23060
Mean	1.128
RMS	0.3015
$\chi^2 / \text{ndf}$	307.2 / 24
ExpConst	$3.187 \pm 0.073$
ExpSlope	$1.386 \pm 0.051$
GausConst	$2375 \pm 23.7$
GausMean	$1.087 \pm 0.001$
GausSigma	$0.1531 \pm 0.0013$

5.5 > P > 6.5

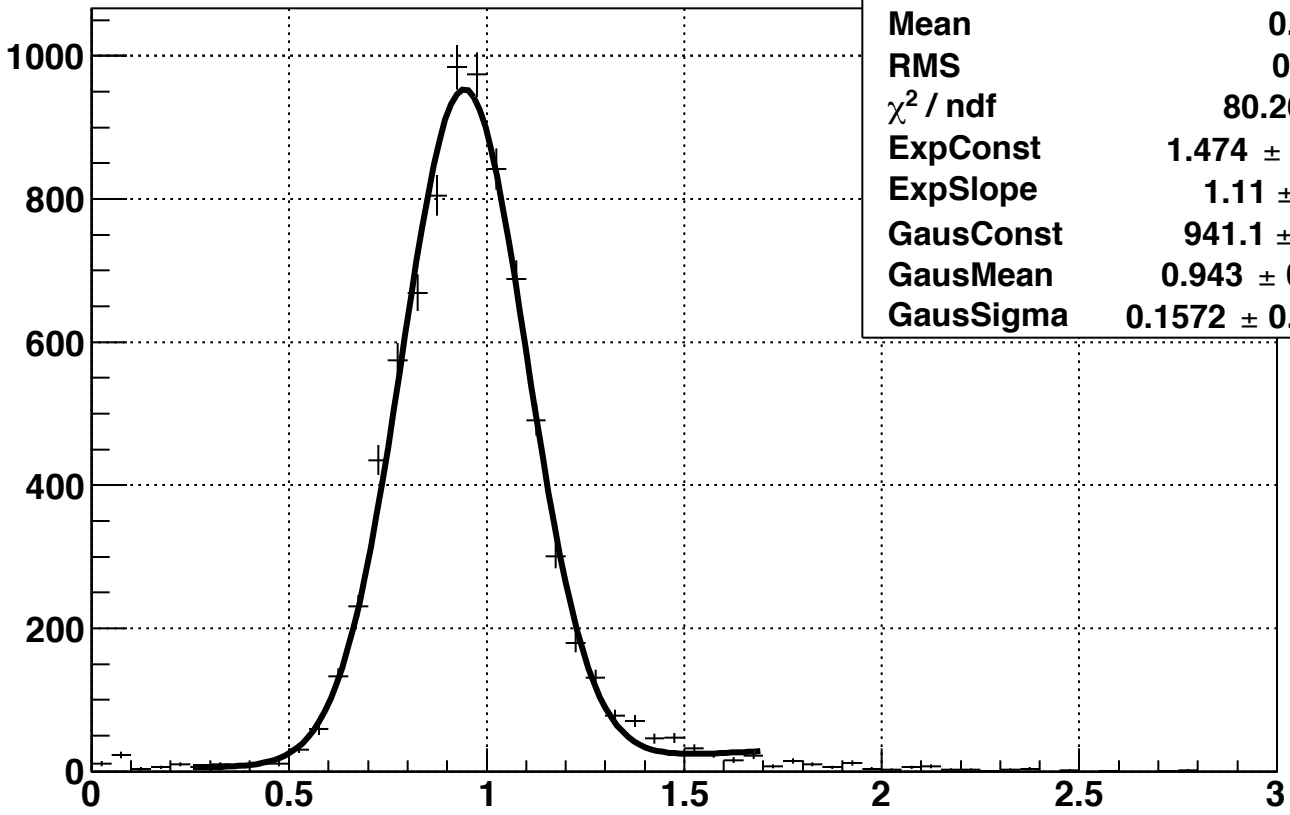


EoverP_BHT1pEle 4	
Entries	15241
Mean	1.014
RMS	0.2351
$\chi^2 / \text{ndf}$	99.44 / 24
ExpConst	2.463 $\pm$ 0.125
ExpSlope	1.097 $\pm$ 0.086
GausConst	1791 $\pm$ 19.6
GausMean	0.9942 $\pm$ 0.0014
GausSigma	0.1525 $\pm$ 0.0012

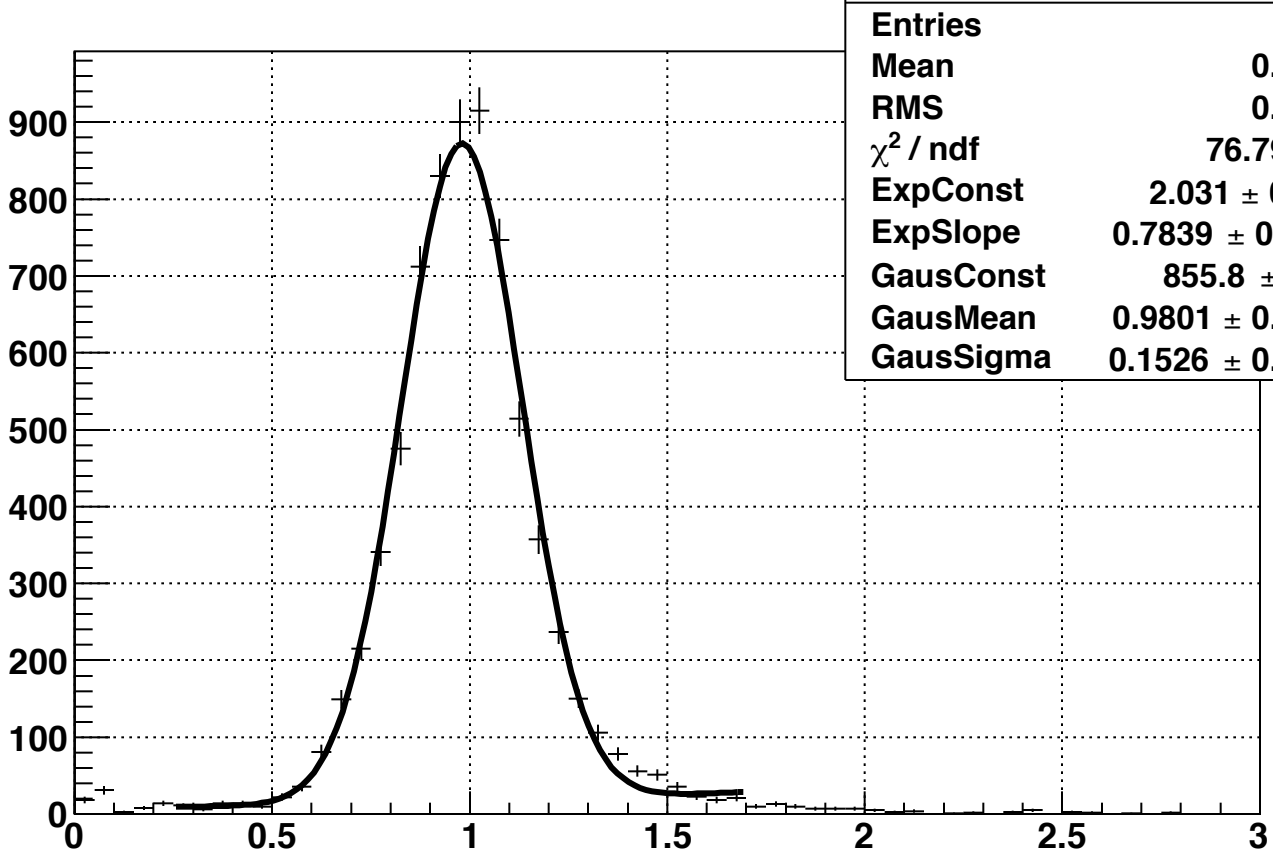


EoverP_BHT1pPos 4	
Entries	14192
Mean	1.055
RMS	0.2502
$\chi^2 / \text{ndf}$	99.99 / 24
ExpConst	2.498 $\pm$ 0.119
ExpSlope	1.121 $\pm$ 0.083
GausConst	1625 $\pm$ 18.8
GausMean	1.032 $\pm$ 0.002
GausSigma	0.1534 $\pm$ 0.0013

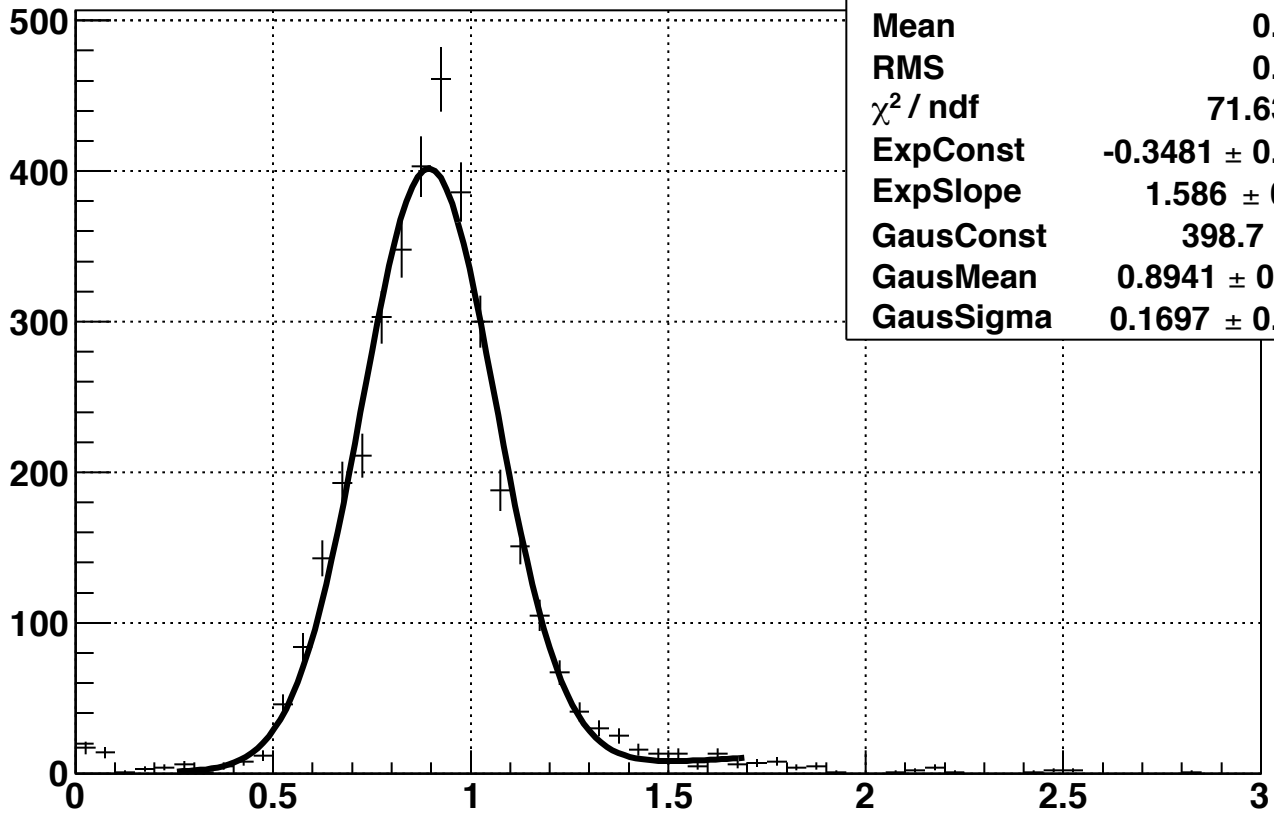
6.5 > P > 7.5



EoverP\_BHT1pPos 5

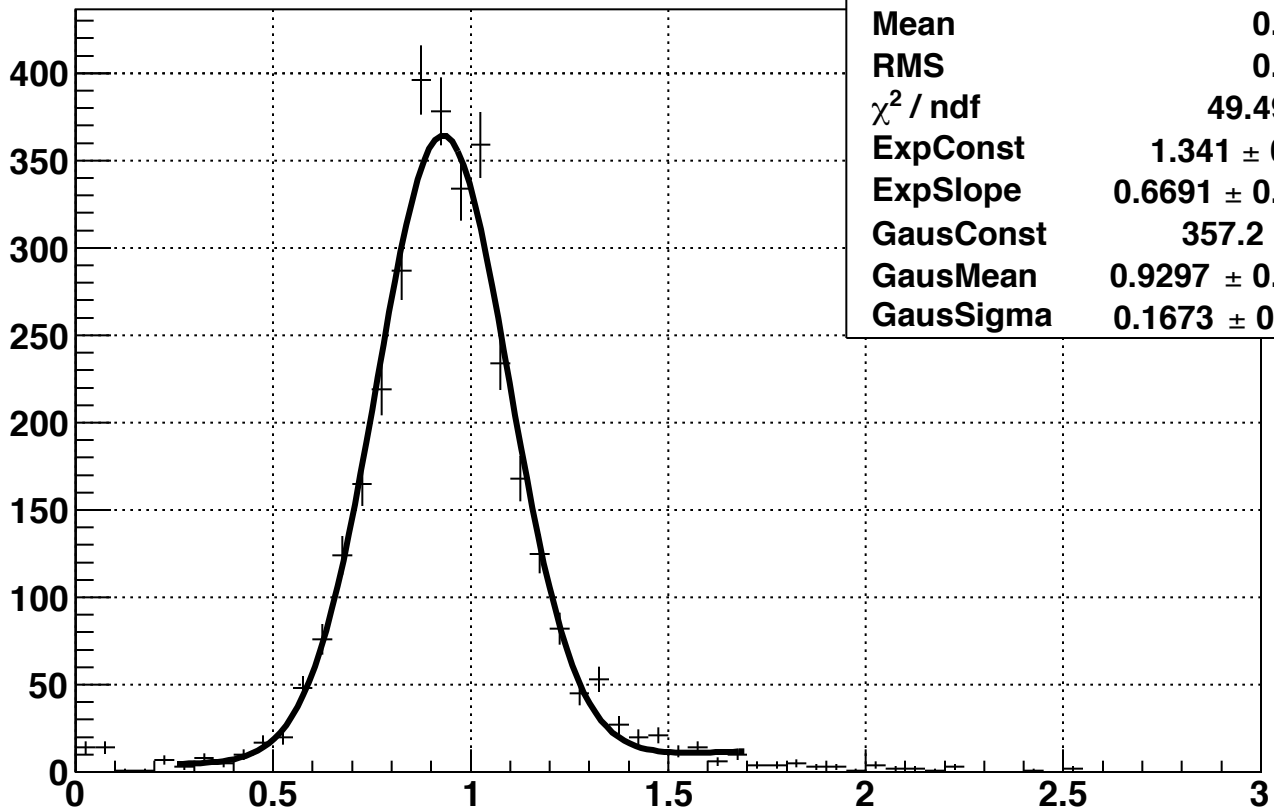


7.5 > P > 8.5



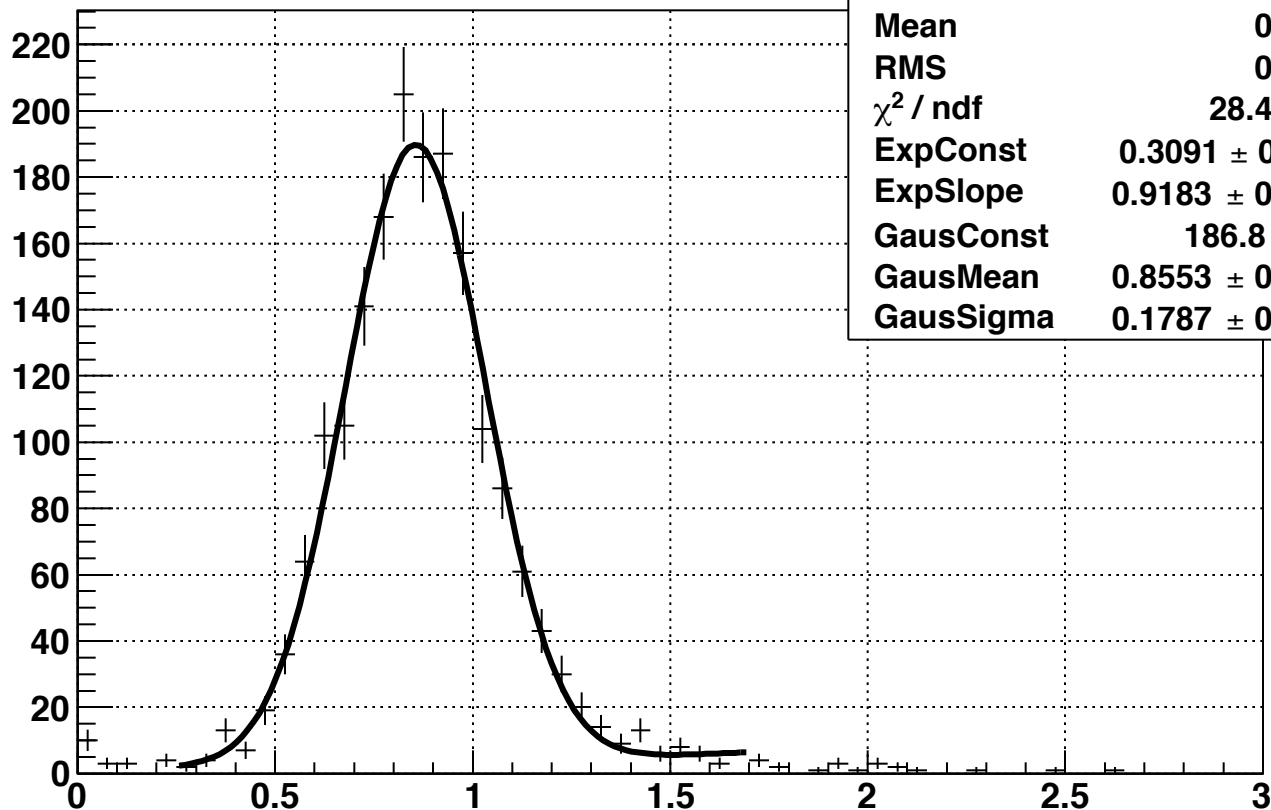
EoverP_BHT1pEle 6	
Entries	3661
Mean	0.9086
RMS	0.2393
$\chi^2 / \text{ndf}$	71.63 / 24
ExpConst	$-0.3481 \pm 0.7459$
ExpSlope	$1.586 \pm 0.467$
GausConst	$398.7 \pm 8.7$
GausMean	$0.8941 \pm 0.0031$
GausSigma	$0.1697 \pm 0.0027$

EoverP\_BHT1pPos 6

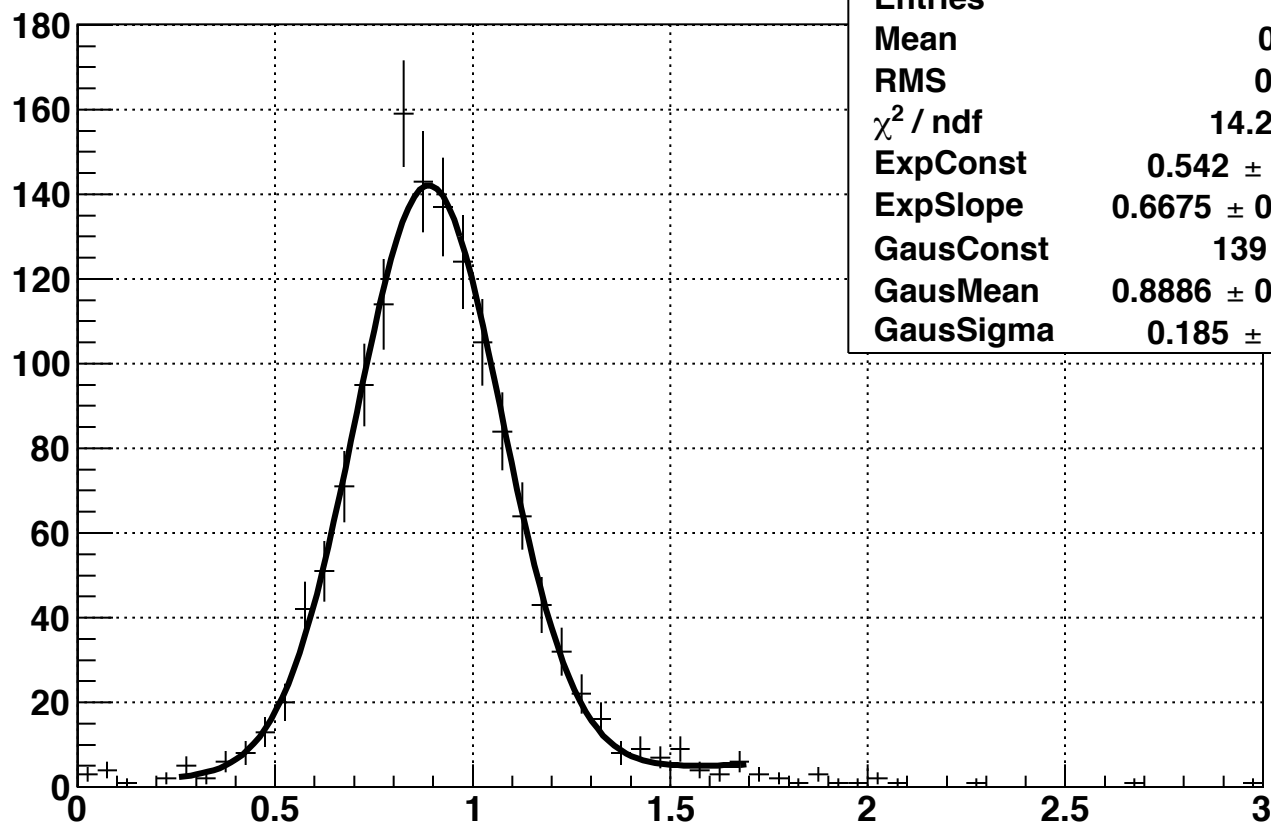


EoverP_BHT1pPos 6	
Entries	3340
Mean	0.9455
RMS	0.2425
$\chi^2 / \text{ndf}$	49.49 / 24
ExpConst	$1.341 \pm 0.303$
ExpSlope	$0.6691 \pm 0.2070$
GausConst	$357.2 \pm 8.7$
GausMean	$0.9297 \pm 0.0033$
GausSigma	$0.1673 \pm 0.0031$

8.5 > P > 9.5



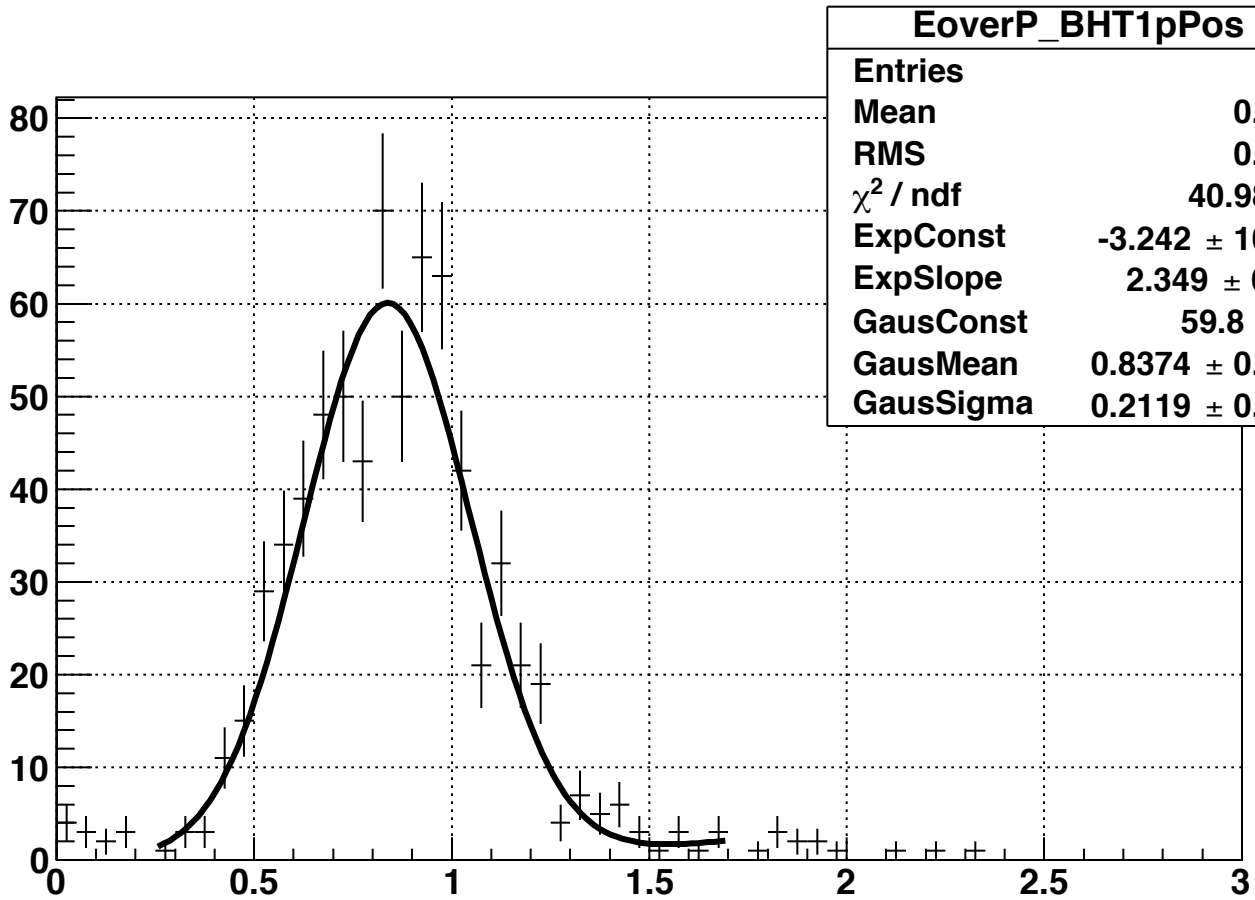
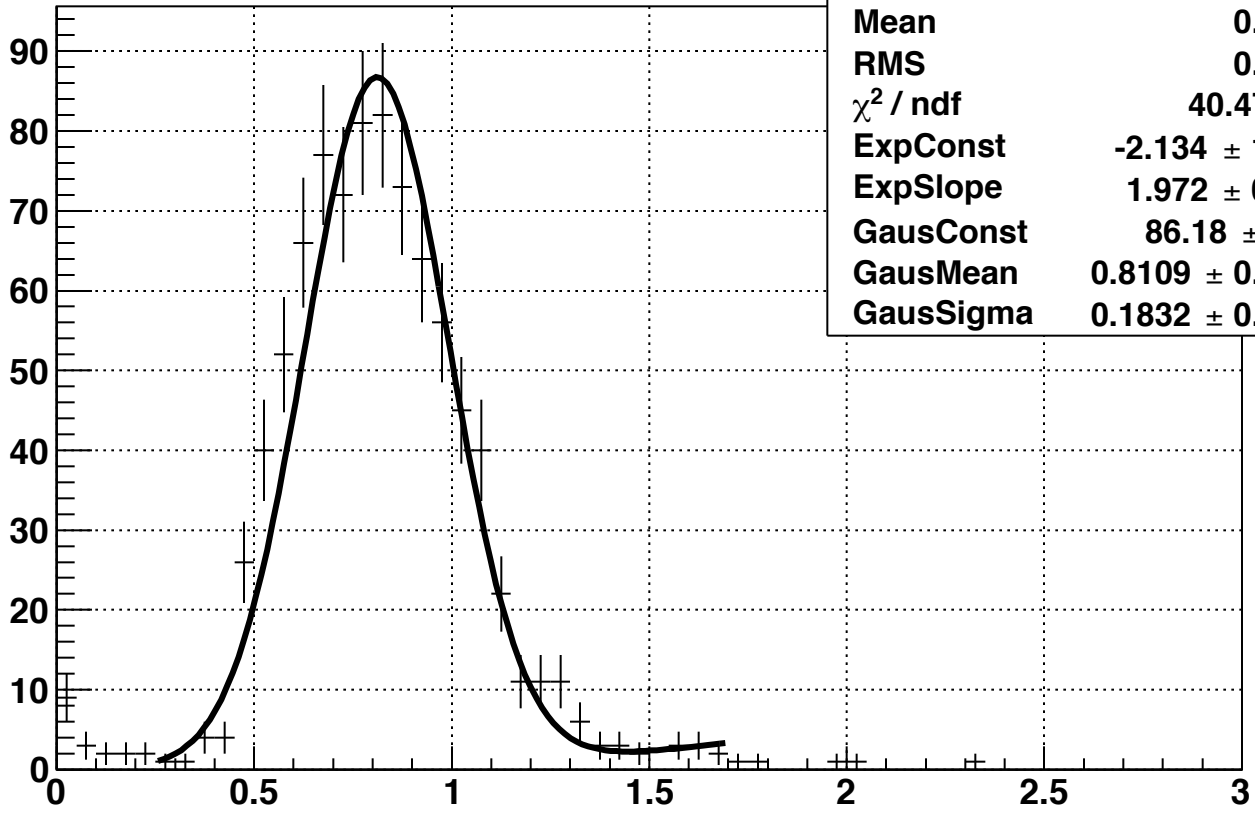
EoverP_BHT1pEle 7	
Entries	1839
Mean	0.8735
RMS	0.2498
$\chi^2 / \text{ndf}$	28.41 / 23
ExpConst	$0.3091 \pm 0.6991$
ExpSlope	$0.9183 \pm 0.4506$
GausConst	$186.8 \pm 5.8$
GausMean	$0.8553 \pm 0.0048$
GausSigma	$0.1787 \pm 0.0045$



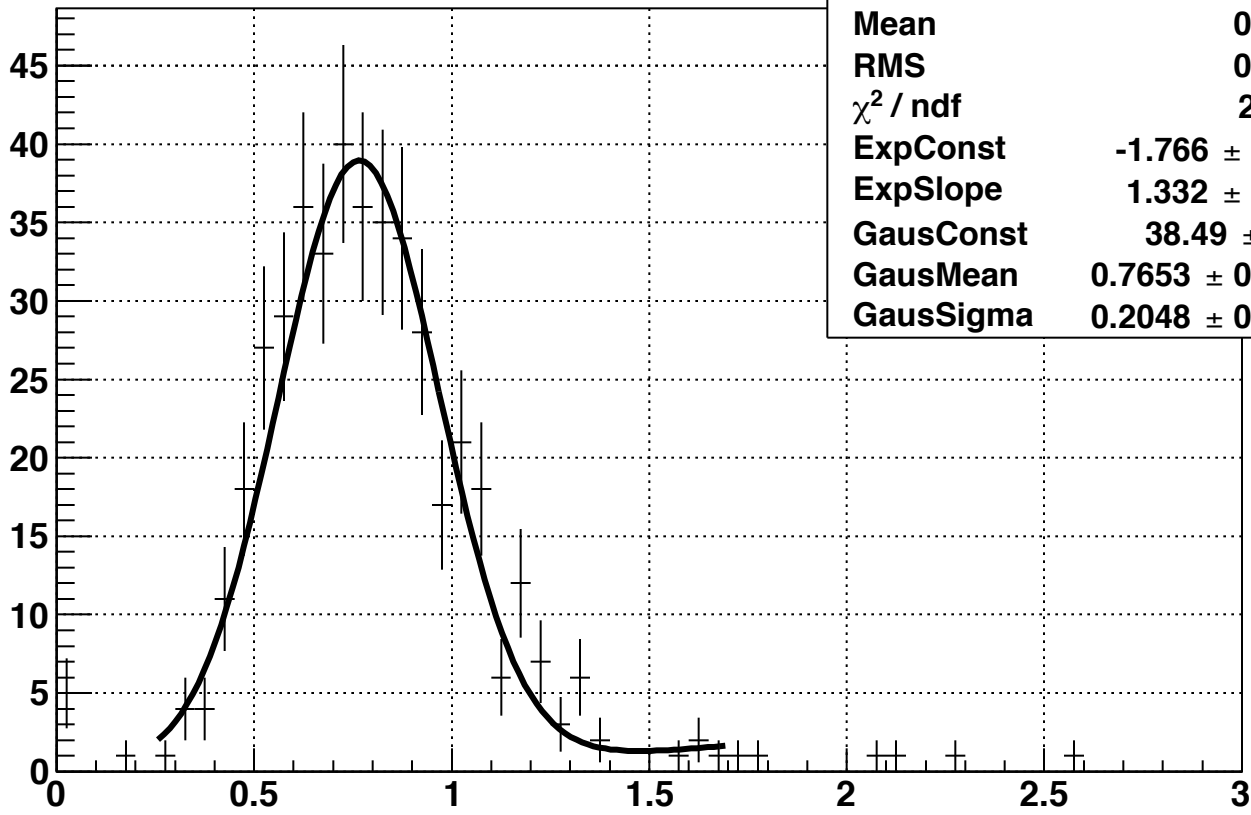
EoverP_BHT1pPos 7	
Entries	1429
Mean	0.9111
RMS	0.2582
$\chi^2 / \text{ndf}$	14.26 / 24
ExpConst	$0.542 \pm 0.672$
ExpSlope	$0.6675 \pm 0.4330$
GausConst	$139 \pm 4.9$
GausMean	$0.8886 \pm 0.0055$
GausSigma	$0.185 \pm 0.006$



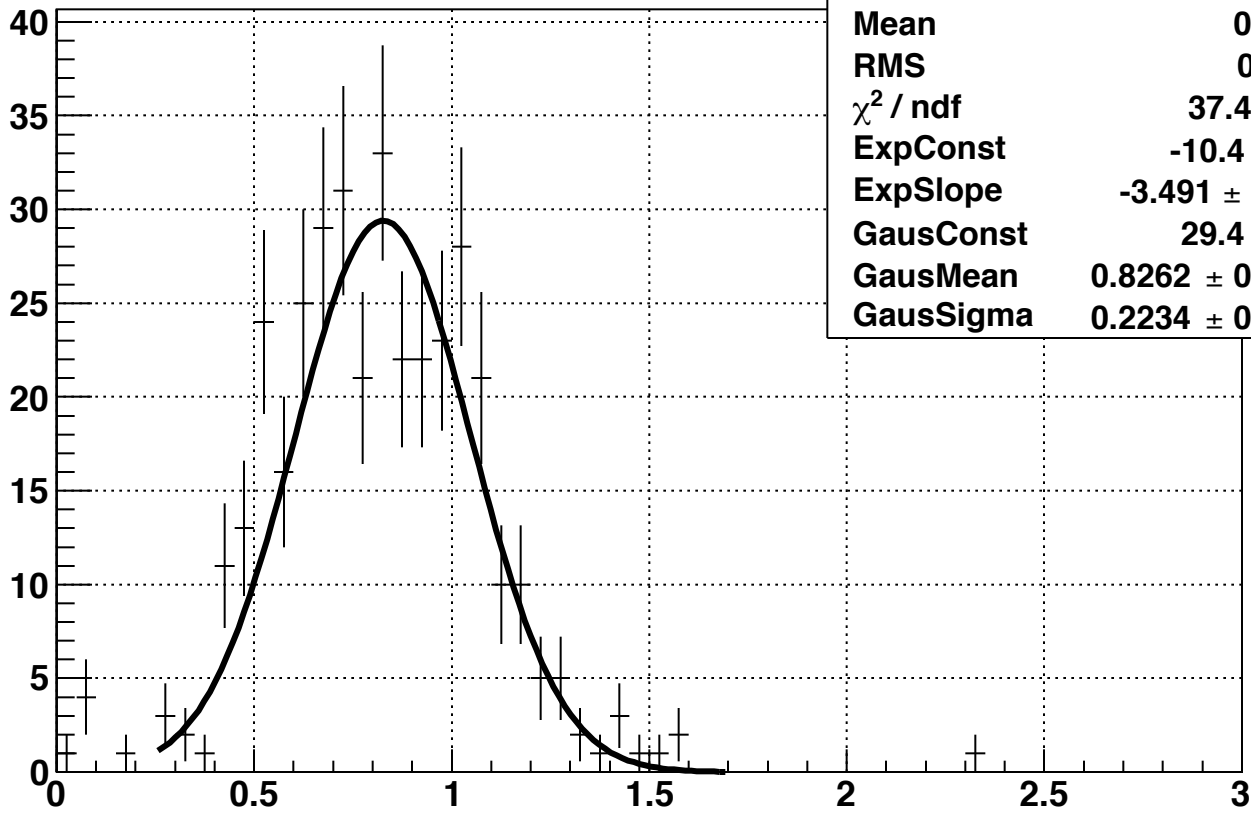
9.5 > P > 10.5



10.5 > P > 11.5

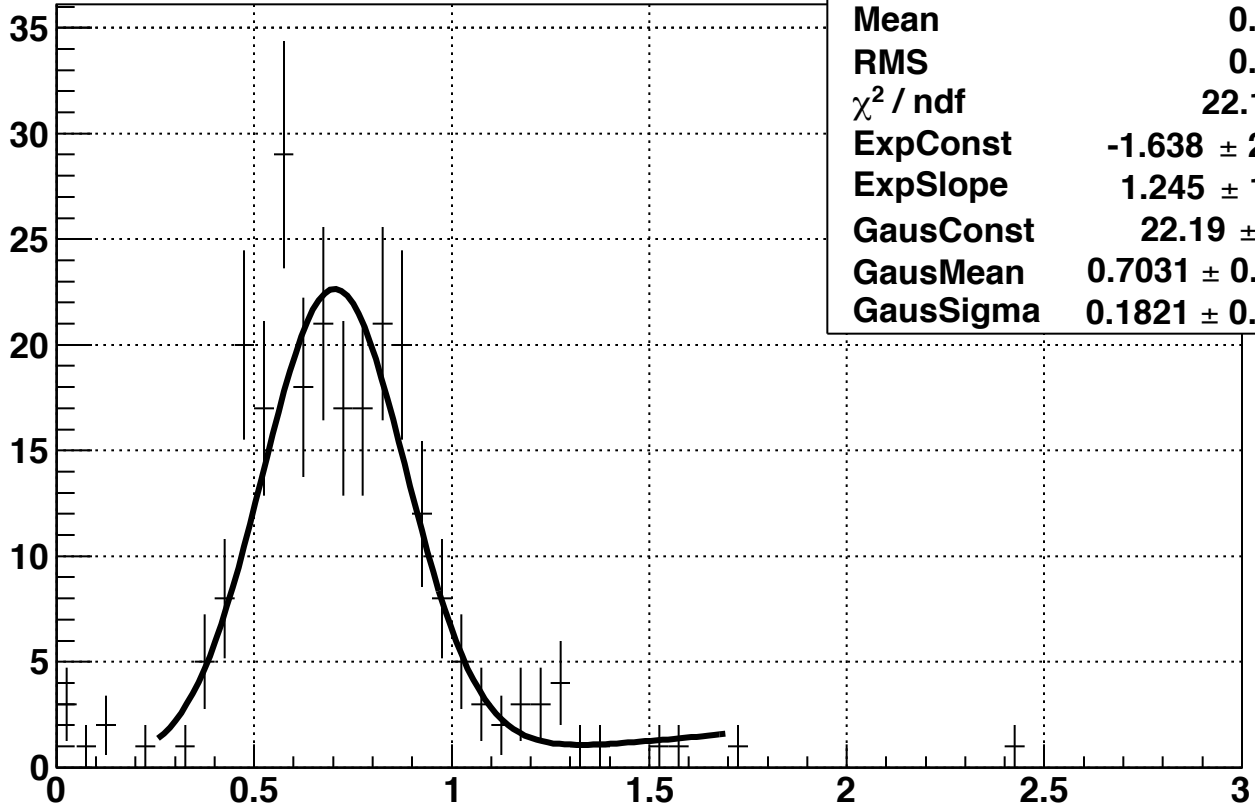


EoverP_BHT1pEle 9	
Entries	445
Mean	0.7968
RMS	0.2895
$\chi^2 / \text{ndf}$	22 / 21
ExpConst	-1.766 $\pm$ 2.304
ExpSlope	1.332 $\pm$ 1.406
GausConst	38.49 $\pm$ 2.50
GausMean	0.7653 $\pm$ 0.0120
GausSigma	0.2048 $\pm$ 0.0107

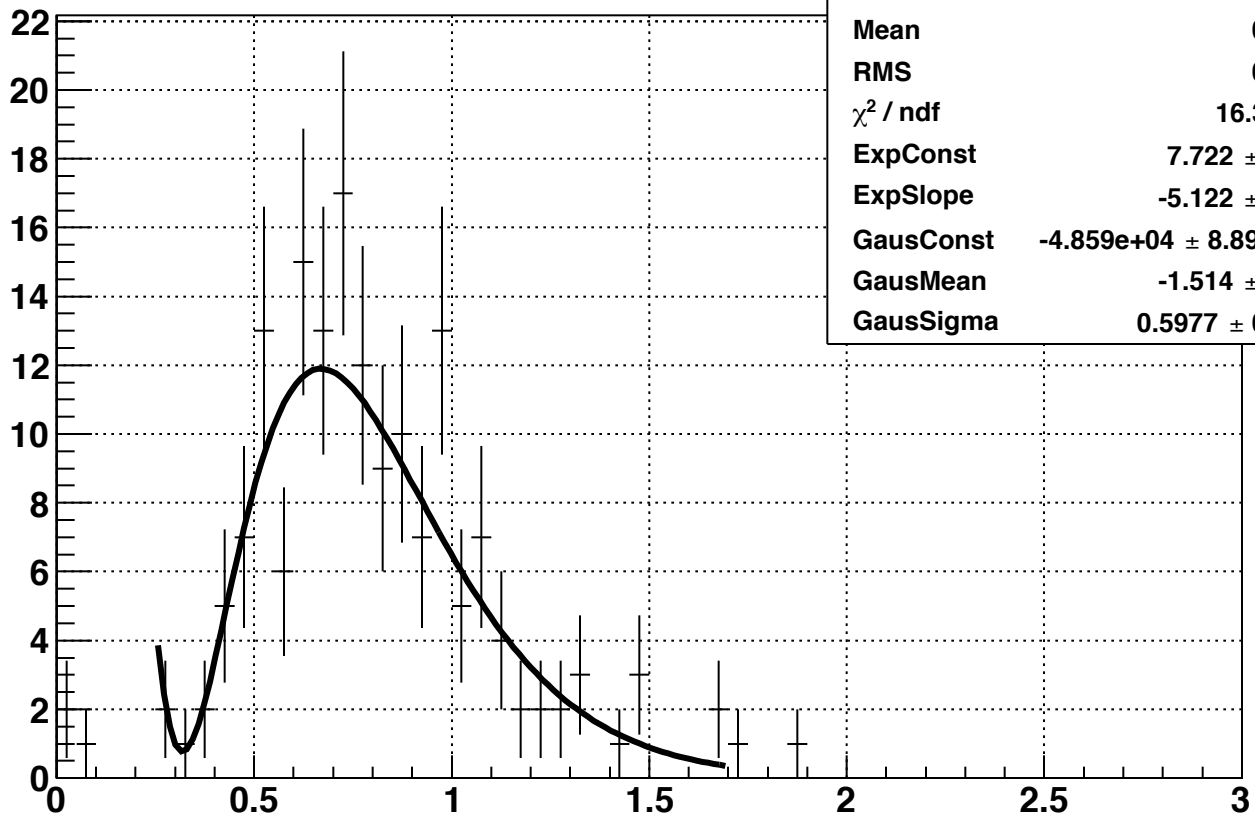


EoverP_BHT1pPos 9	
Entries	373
Mean	0.8107
RMS	0.2691
$\chi^2 / \text{ndf}$	37.41 / 22
ExpConst	-10.4 $\pm$ 1.4
ExpSlope	-3.491 $\pm$ 1.414
GausConst	29.4 $\pm$ 1.8
GausMean	0.8262 $\pm$ 0.0127
GausSigma	0.2234 $\pm$ 0.0079

11.5 > P > 12.5

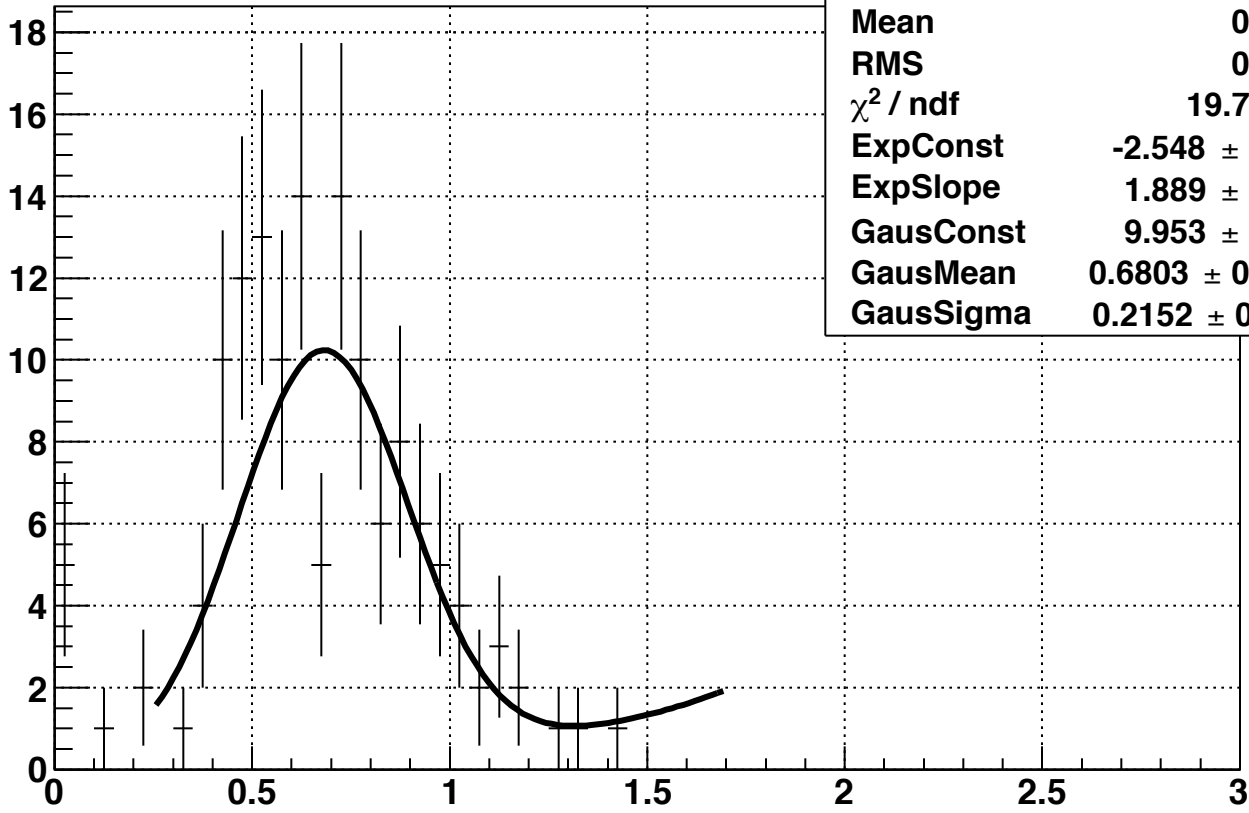


EoverP_BHT1pEle 10	
Entries	247
Mean	0.7227
RMS	0.2758
$\chi^2 / \text{ndf}$	22.1 / 19
ExpConst	-1.638 $\pm$ 2.338
ExpSlope	1.245 $\pm$ 1.573
GausConst	22.19 $\pm$ 1.99
GausMean	0.7031 $\pm$ 0.0149
GausSigma	0.1821 $\pm$ 0.0126



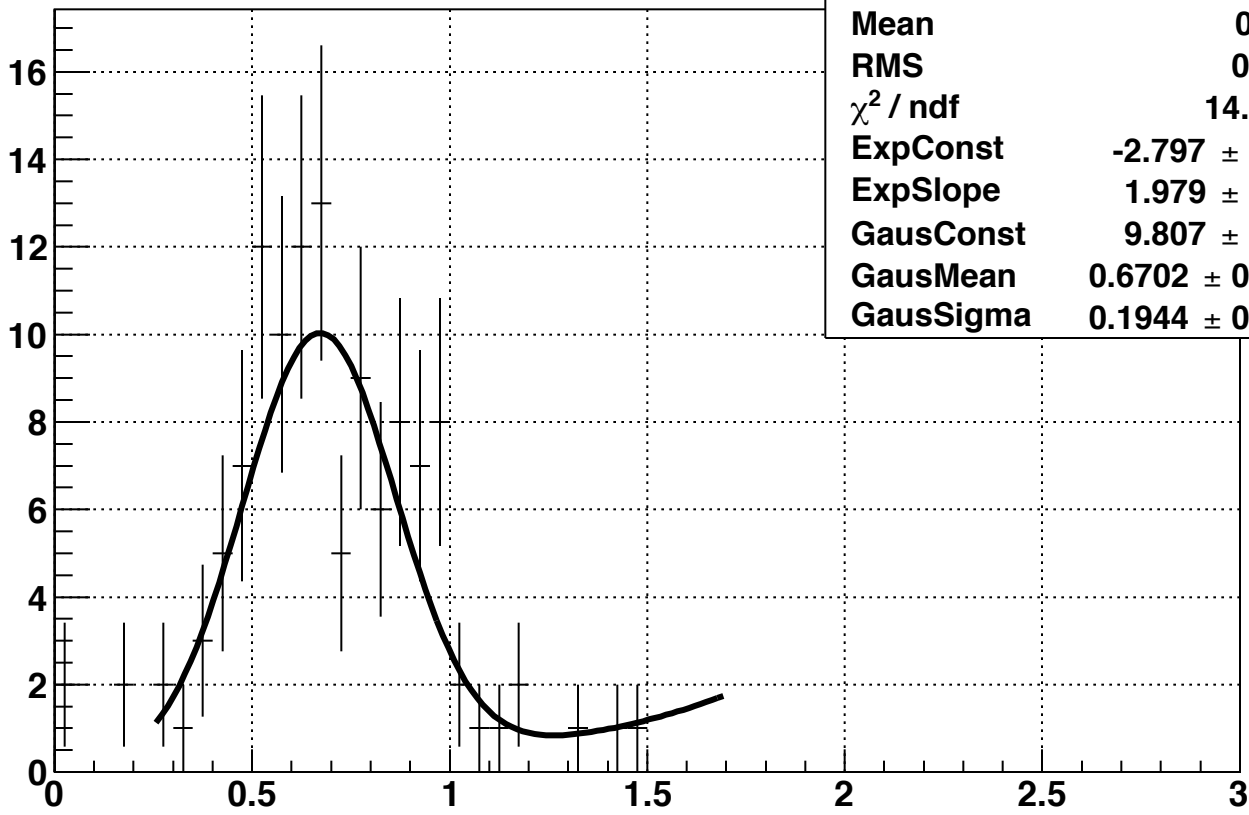
EoverP_BHT1pPos 10	
Entries	168
Mean	0.7972
RMS	0.3024
$\chi^2 / \text{ndf}$	16.35 / 20
ExpConst	7.722 $\pm$ 0.019
ExpSlope	-5.122 $\pm$ 0.030
GausConst	-4.859e+04 $\pm$ 8.897e+02
GausMean	-1.514 $\pm$ 0.004
GausSigma	0.5977 $\pm$ 0.0012

12.5 > P > 13.5



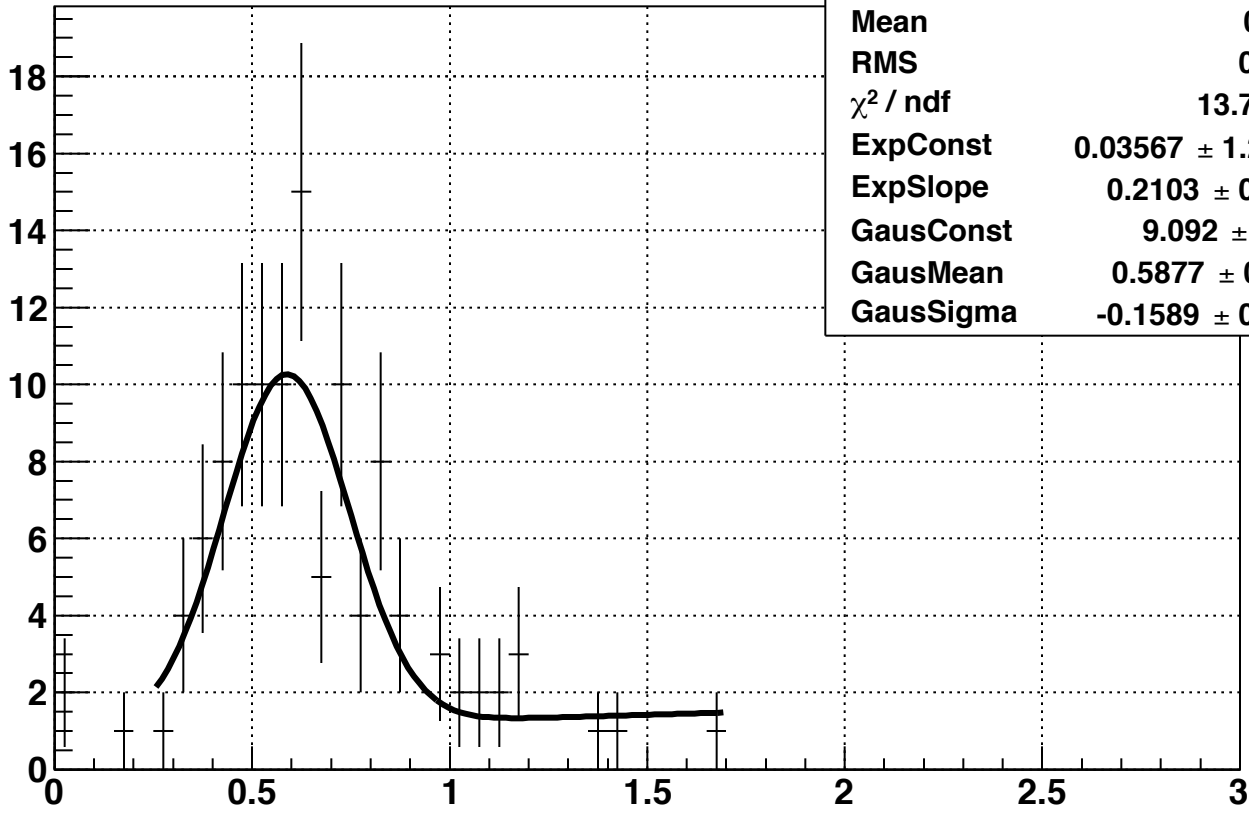
EoverP_BHT1pEle 11	
Entries	140
Mean	0.6687
RMS	0.2598
$\chi^2 / \text{ndf}$	19.72 / 16
ExpConst	-2.548 $\pm$ 6.103
ExpSlope	1.889 $\pm$ 4.382
GausConst	9.953 $\pm$ 1.448
GausMean	0.6803 $\pm$ 0.0297
GausSigma	0.2152 $\pm$ 0.0311

EoverP\_BHT1pPos 11



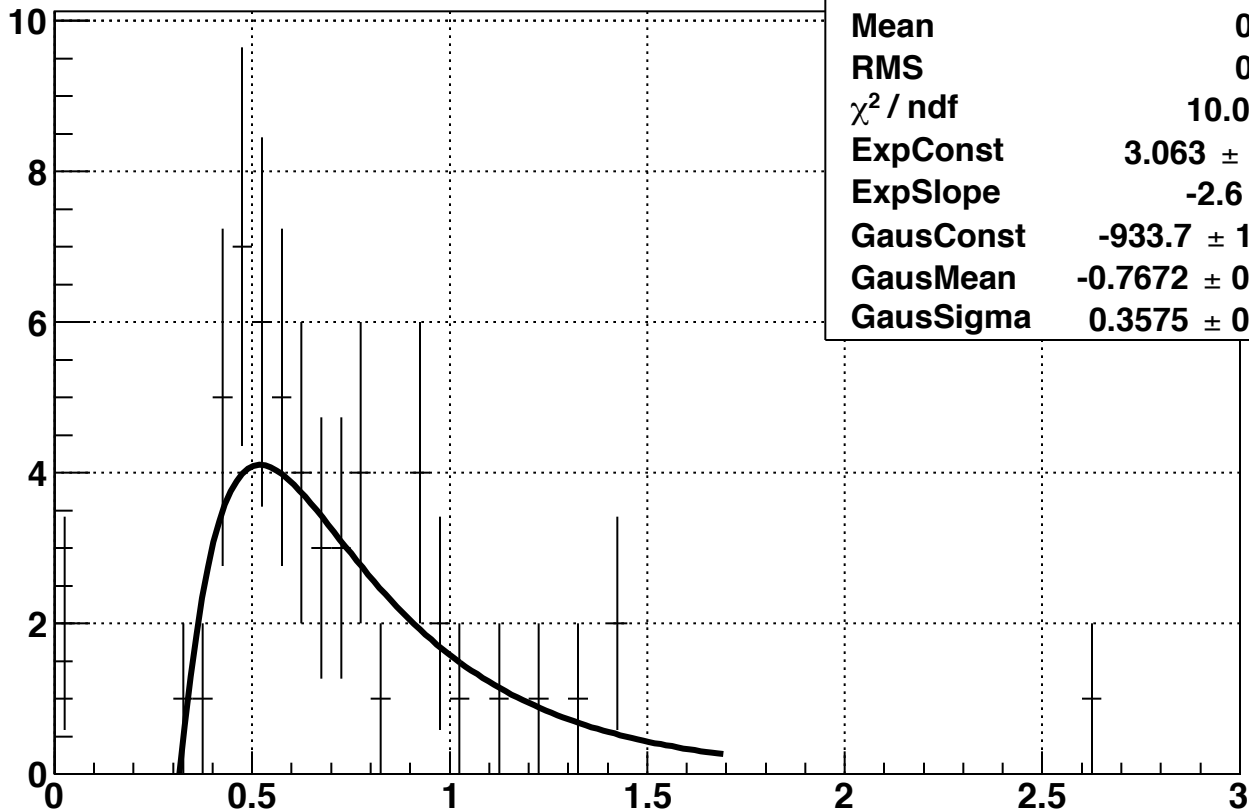
EoverP_BHT1pPos 11	
Entries	121
Mean	0.6951
RMS	0.2494
$\chi^2 / \text{ndf}$	14.5 / 17
ExpConst	-2.797 $\pm$ 9.105
ExpSlope	1.979 $\pm$ 6.417
GausConst	9.807 $\pm$ 1.482
GausMean	0.6702 $\pm$ 0.0293
GausSigma	0.1944 $\pm$ 0.0348

13.5 > P > 14.5



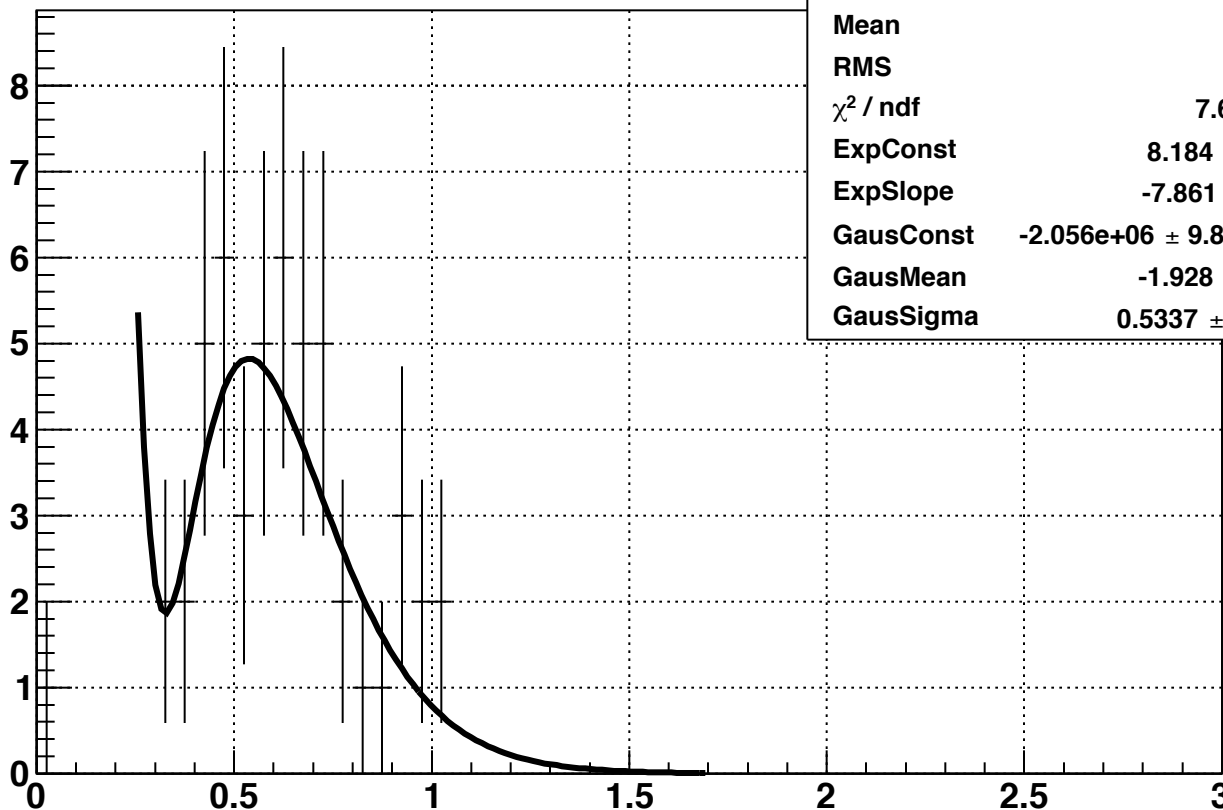
EoverP_BHT1pEle 12	
Entries	113
Mean	0.6521
RMS	0.2656
$\chi^2 / \text{ndf}$	13.75 / 16
ExpConst	$0.03567 \pm 1.21102$
ExpSlope	$0.2103 \pm 0.8185$
GausConst	$9.092 \pm 1.729$
GausMean	$0.5877 \pm 0.0331$
GausSigma	$-0.1589 \pm 0.0415$

EoverP\_BHT1pPos 12

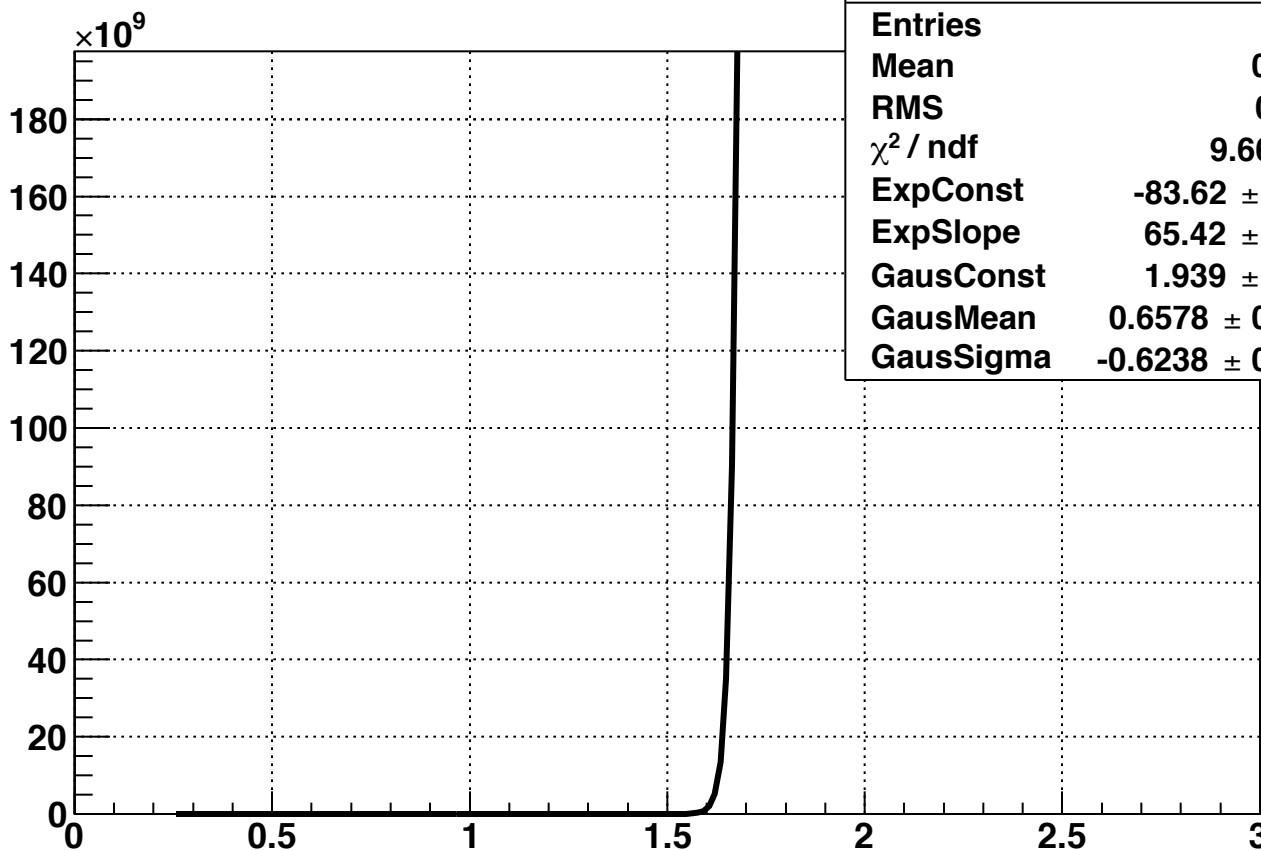


EoverP_BHT1pPos 12	
Entries	55
Mean	0.7061
RMS	0.3881
$\chi^2 / \text{ndf}$	10.03 / 13
ExpConst	$3.063 \pm 1.014$
ExpSlope	$-2.6 \pm 1.2$
GausConst	$-933.7 \pm 1299.1$
GausMean	$-0.7672 \pm 0.5974$
GausSigma	$0.3575 \pm 0.1679$

14.5 > P > 15.5

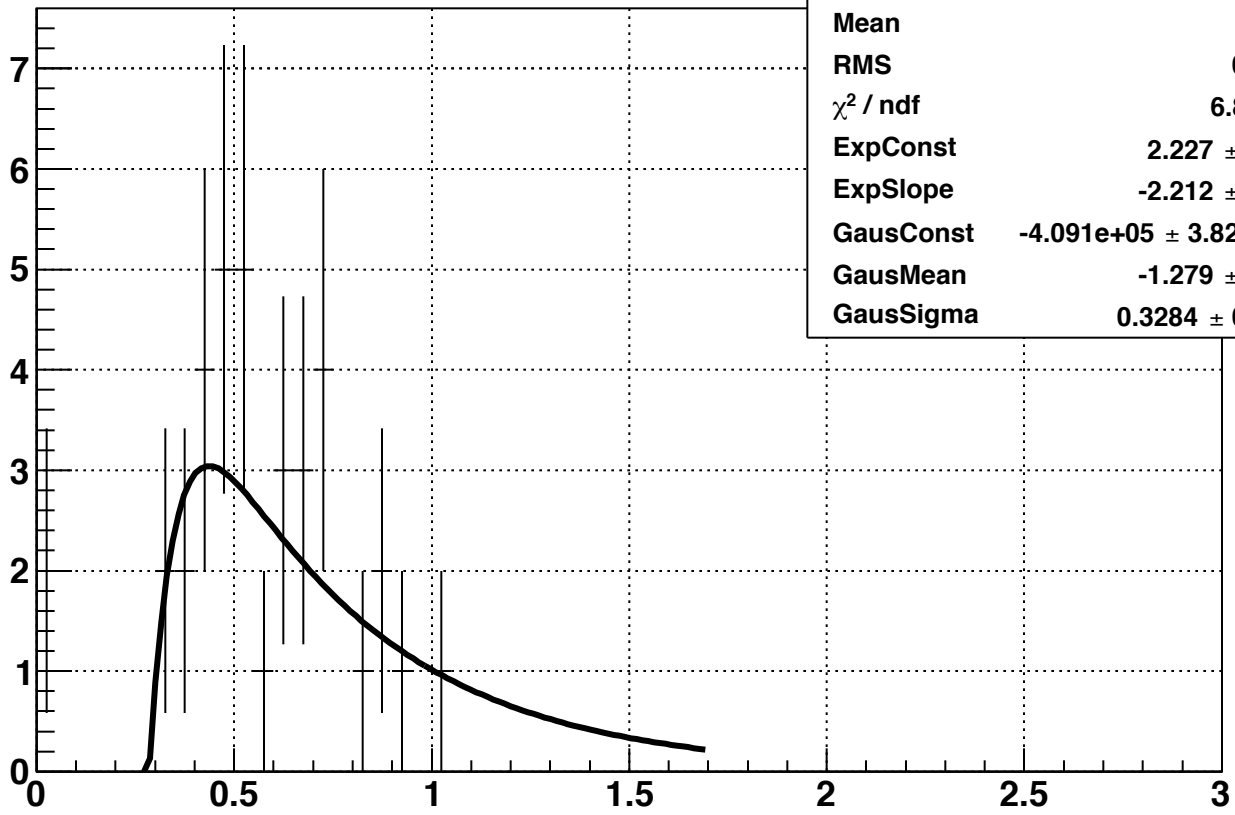


EoverP_BHT1pEle 13	
Entries	51
Mean	0.6234
RMS	0.2008
$\chi^2 / \text{ndf}$	7.601 / 10
ExpConst	8.184 $\pm$ 0.049
ExpSlope	-7.861 $\pm$ 0.073
GausConst	-2.056e+06 $\pm$ 9.814e+04
GausMean	-1.928 $\pm$ 0.006
GausSigma	0.5337 $\pm$ 0.0015



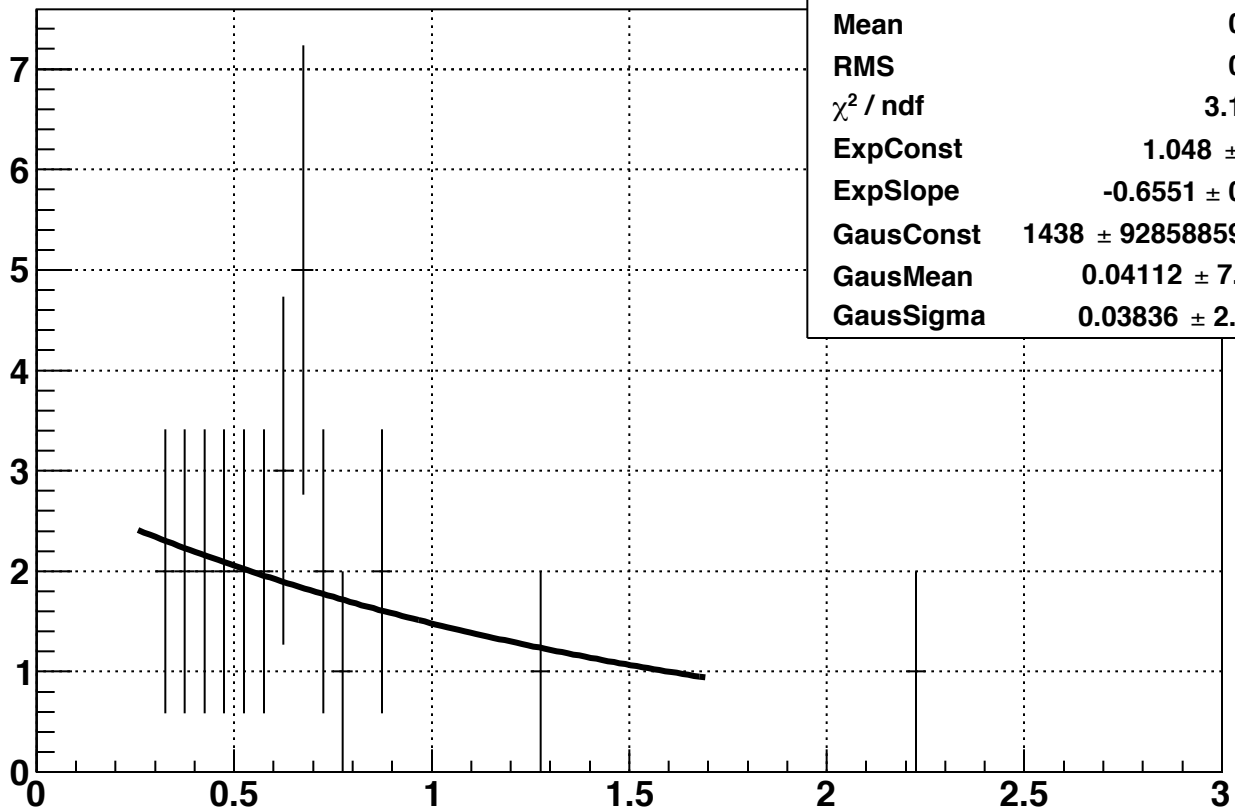
EoverP_BHT1pPos 13	
Entries	39
Mean	0.7029
RMS	0.2531
$\chi^2 / \text{ndf}$	9.661 / 11
ExpConst	-83.62 $\pm$ 22.73
ExpSlope	65.42 $\pm$ 17.83
GausConst	1.939 $\pm$ 0.468
GausMean	0.6578 $\pm$ 0.3564
GausSigma	-0.6238 $\pm$ 0.7877

### EoverP\_BHT1pEle 14

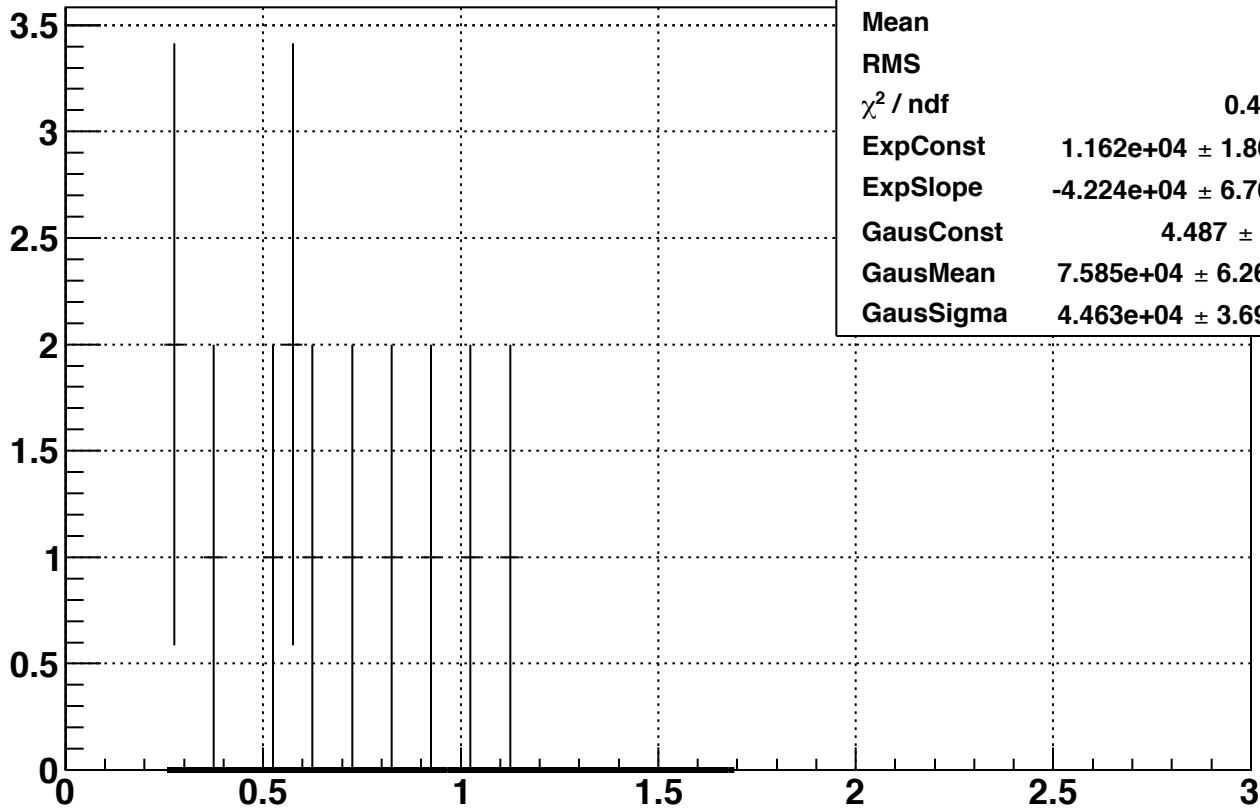
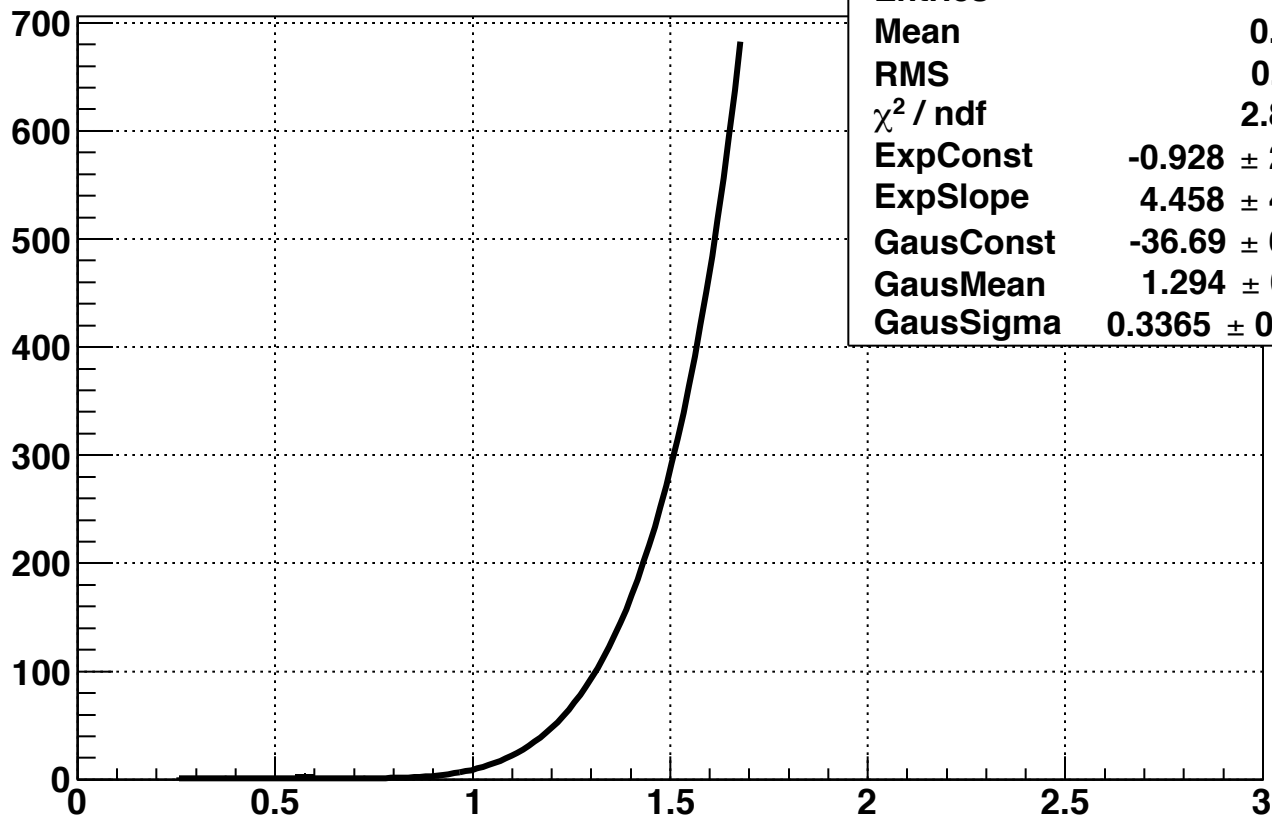


Entries	36
Mean	0.56
RMS	0.2112
$\chi^2 / \text{ndf}$	6.837 / 8
ExpConst	$2.227 \pm 1.203$
ExpSlope	$-2.212 \pm 1.560$
GausConst	$-4.091\text{e}+05 \pm 3.824\text{e}+05$
GausMean	$-1.279 \pm 2.420$
GausSigma	$0.3284 \pm 0.5178$

### EoverP\_BHT1pPos 14

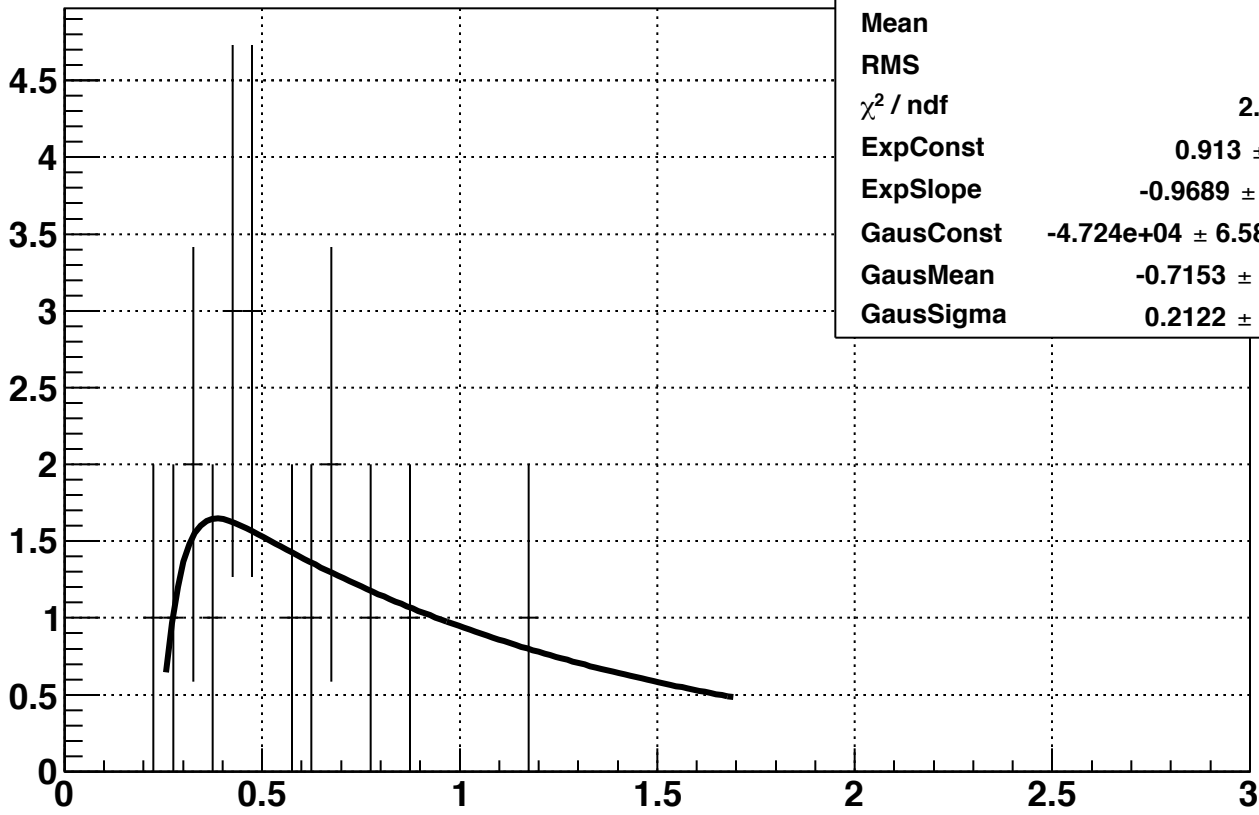


Entries	27
Mean	0.6708
RMS	0.3593
$\chi^2 / \text{ndf}$	3.177 / 7
ExpConst	$1.048 \pm 0.001$
ExpSlope	$-0.6551 \pm 0.0012$
GausConst	$1438 \pm 92858859520.0$
GausMean	$0.04112 \pm 7.61821$
GausSigma	$0.03836 \pm 2.41870$



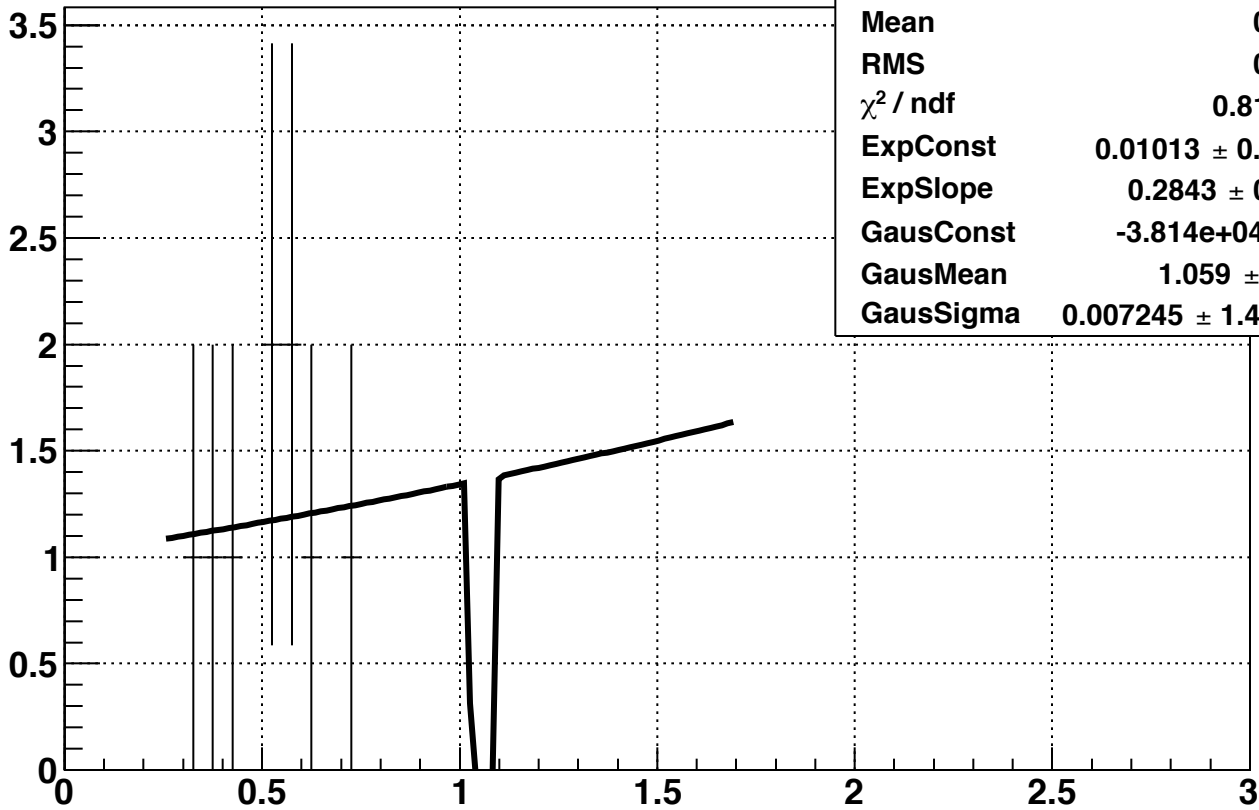


### EoverP\_BHT1pEle 16

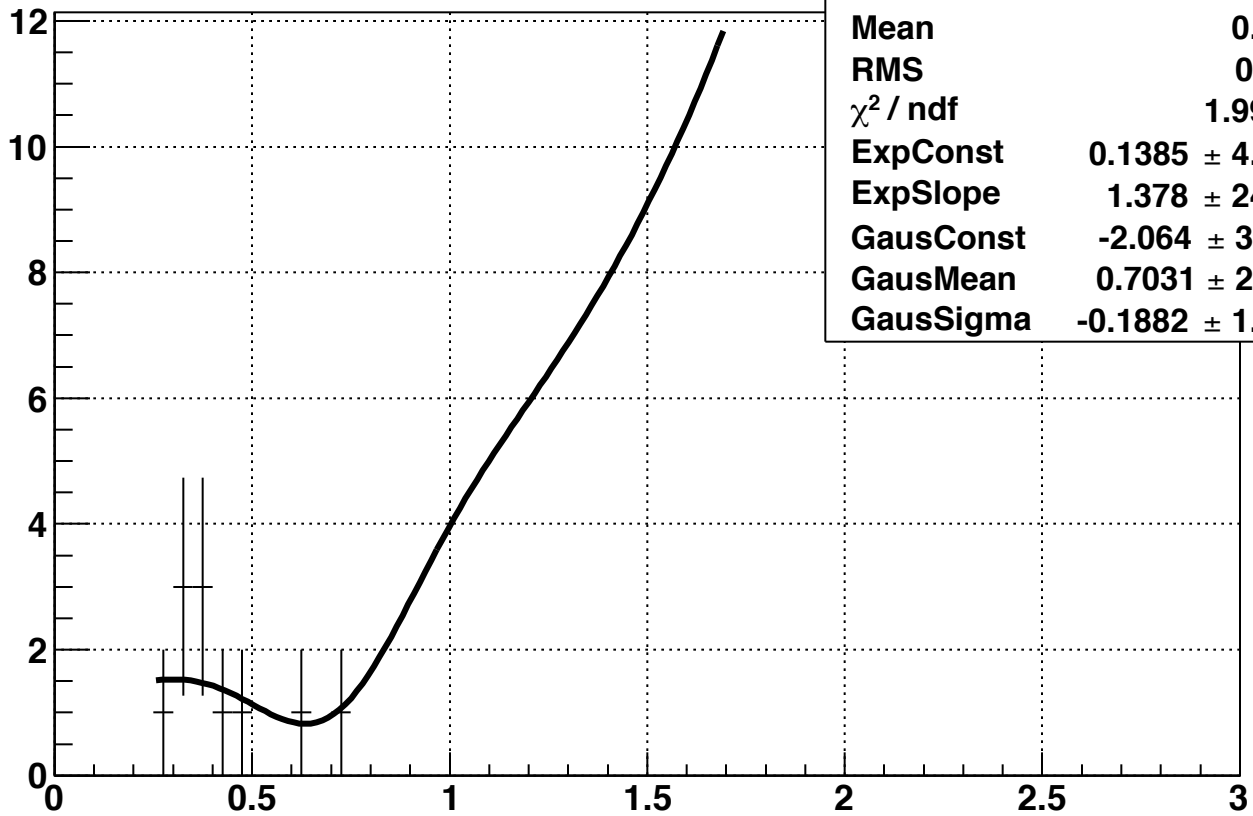


Entries	18
Mean	0.5362
RMS	0.2337
$\chi^2 / \text{ndf}$	2.478 / 6
ExpConst	$0.913 \pm 0.908$
ExpSlope	$-0.9689 \pm 1.4081$
GausConst	$-4.724\text{e}+04 \pm 6.589\text{e}+05$
GausMean	$-0.7153 \pm 0.6700$
GausSigma	$0.2122 \pm 0.1414$

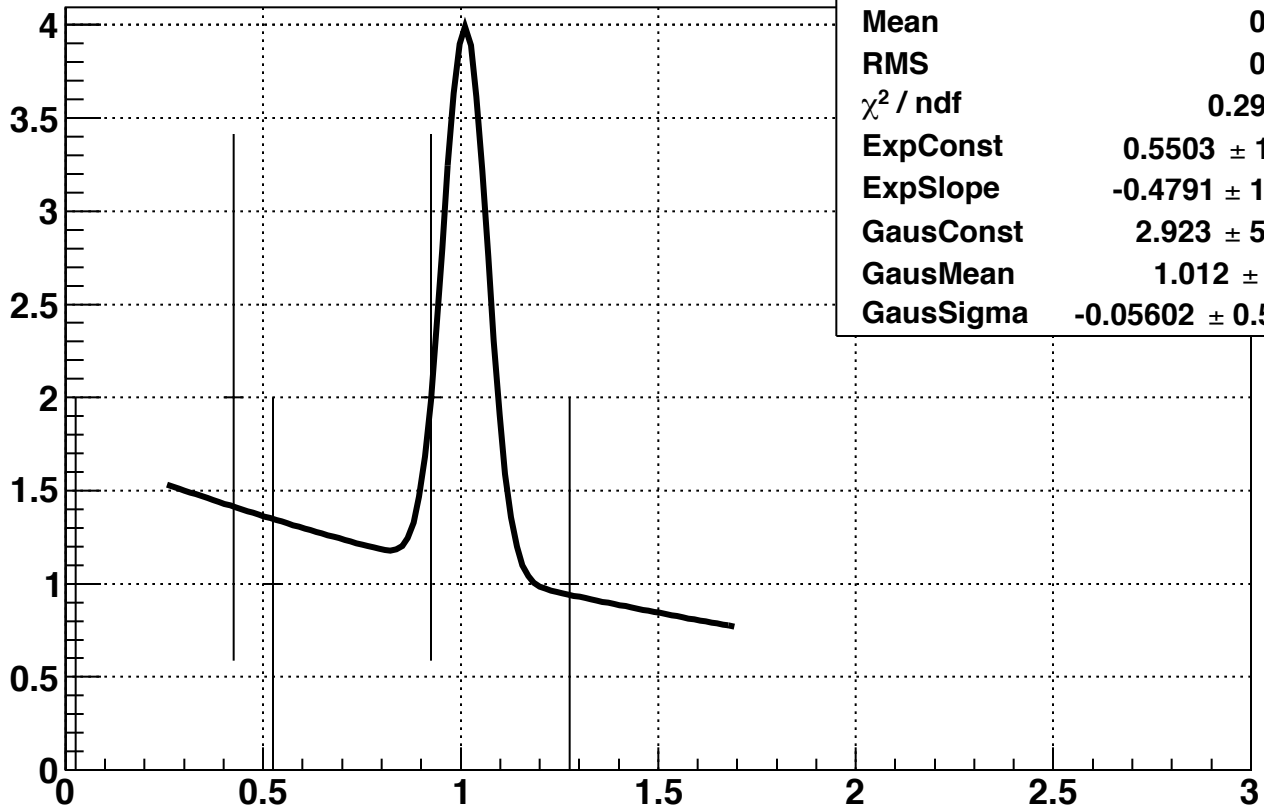
### EoverP\_BHT1pPos 16



Entries	9
Mean	0.5114
RMS	0.1096
$\chi^2 / \text{ndf}$	0.8181 / 2
ExpConst	$0.01013 \pm 0.34960$
ExpSlope	$0.2843 \pm 0.6500$
GausConst	$-3.814\text{e}+04 \pm 0.5$
GausMean	$1.059 \pm 1.414$
GausSigma	$0.007245 \pm 1.414214$

**EoverP\_BHT1pEle 17**

<b>Entries</b>	<b>11</b>
<b>Mean</b>	<b>0.4179</b>
<b>RMS</b>	<b>0.1441</b>
$\chi^2 / \text{ndf}$	<b>1.997 / 2</b>
<b>ExpConst</b>	<b>0.1385 <math>\pm</math> 4.9717</b>
<b>ExpSlope</b>	<b>1.378 <math>\pm</math> 24.960</b>
<b>GausConst</b>	<b>-2.064 <math>\pm</math> 39.171</b>
<b>GausMean</b>	<b>0.7031 <math>\pm</math> 2.0731</b>
<b>GausSigma</b>	<b>-0.1882 <math>\pm</math> 1.2100</b>

**EoverP\_BHT1pPos 17**

<b>Entries</b>	<b>7</b>
<b>Mean</b>	<b>0.6459</b>
<b>RMS</b>	<b>0.3872</b>
$\chi^2 / \text{ndf}$	<b>0.2962 / 0</b>
<b>ExpConst</b>	<b>0.5503 <math>\pm</math> 1.1801</b>
<b>ExpSlope</b>	<b>-0.4791 <math>\pm</math> 1.5720</b>
<b>GausConst</b>	<b>2.923 <math>\pm</math> 59.015</b>
<b>GausMean</b>	<b>1.012 <math>\pm</math> 0.765</b>
<b>GausSigma</b>	<b>-0.05602 <math>\pm</math> 0.50466</b>

