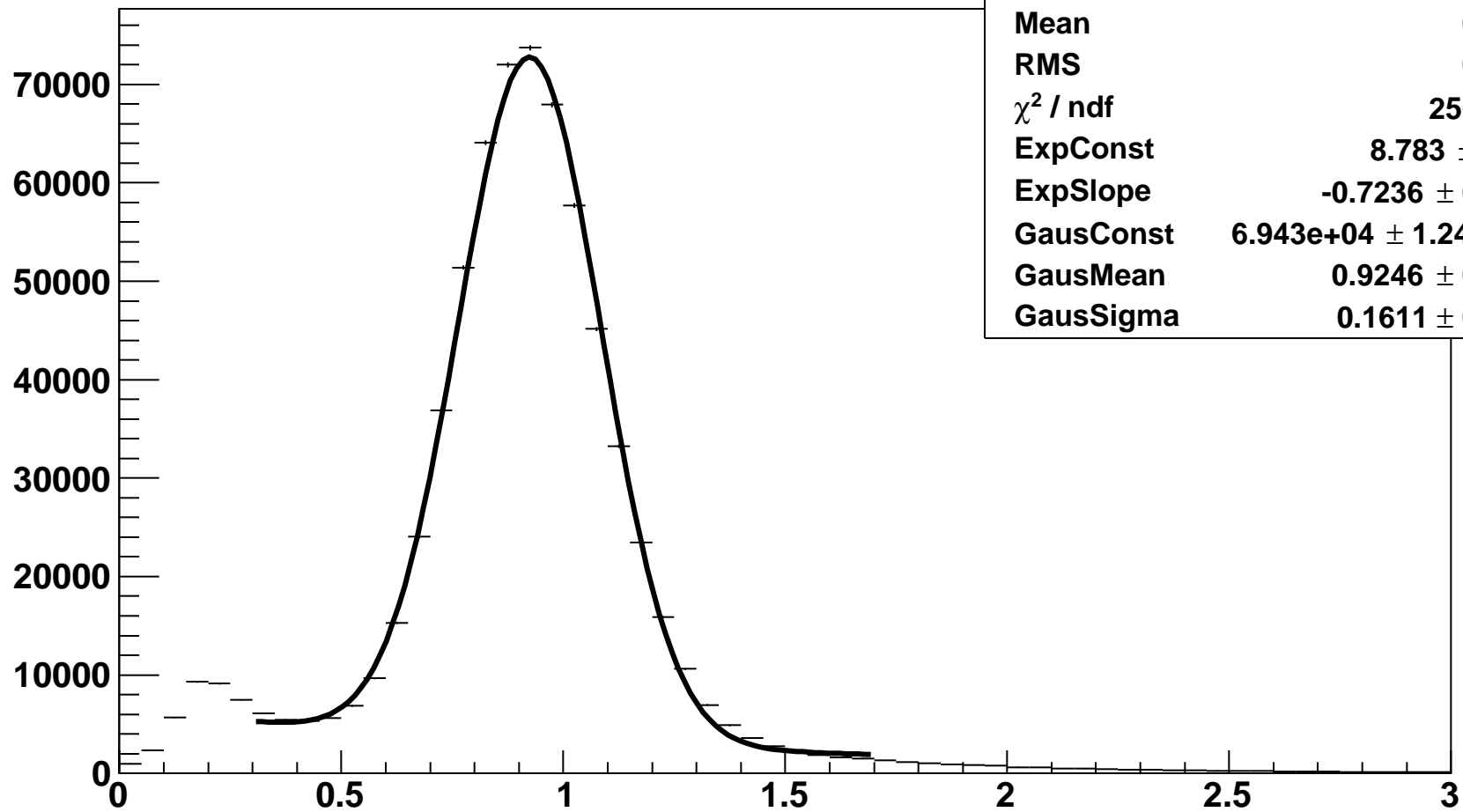


**mom-slice-1.500000<P<2.000000**

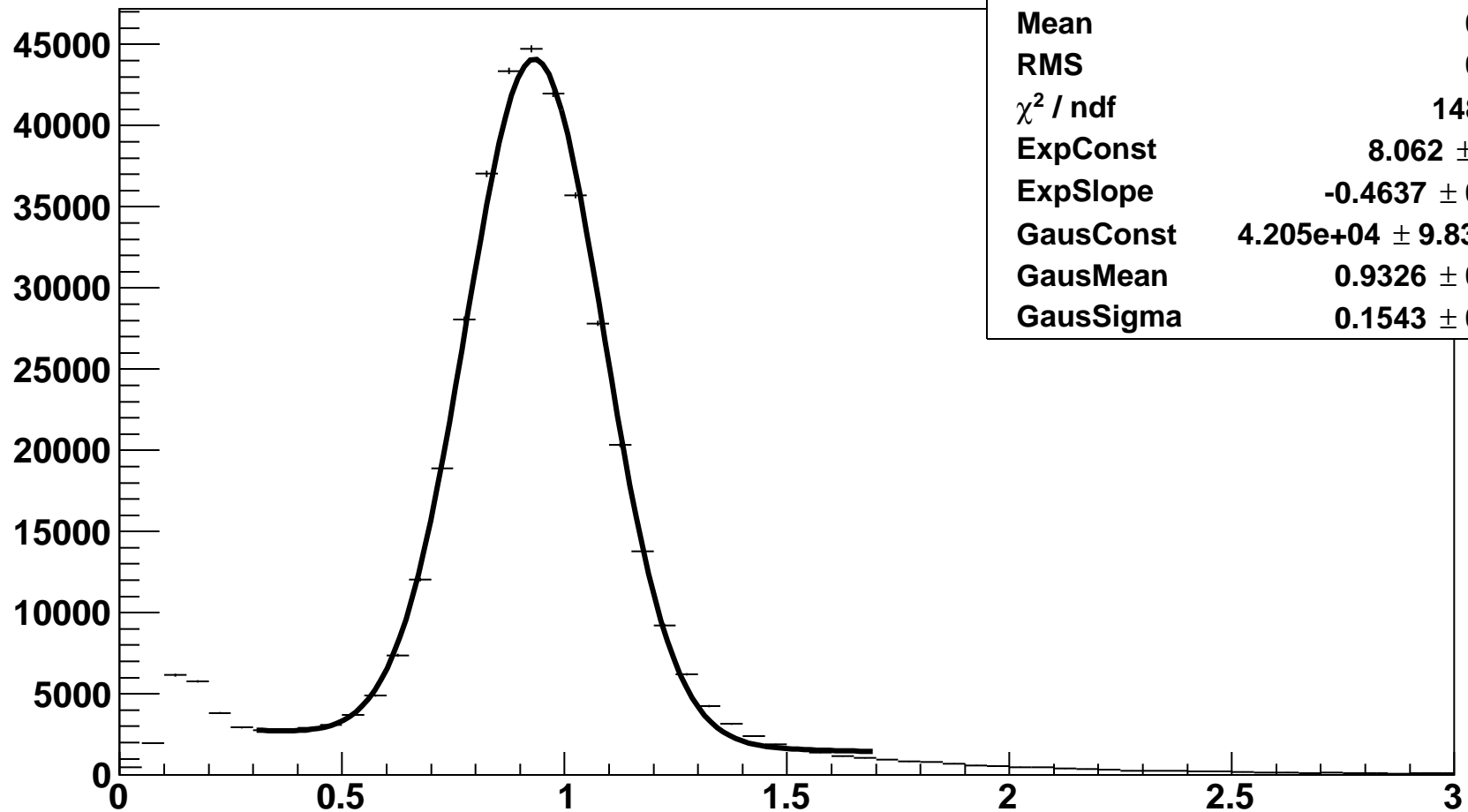
**new\_unbiased\_didFire-proj**



<b>Entries</b>	<b>1397116</b>
<b>Mean</b>	<b>0.9032</b>
<b>RMS</b>	<b>0.3055</b>
$\chi^2 / \text{ndf}$	<b>2502 / 23</b>
<b>ExpConst</b>	<b>8.783 ± 0.011</b>
<b>ExpSlope</b>	<b>-0.7236 ± 0.0097</b>
<b>GausConst</b>	<b>6.943e+04 ± 1.242e+02</b>
<b>GausMean</b>	<b>0.9246 ± 0.0003</b>
<b>GausSigma</b>	<b>0.1611 ± 0.0002</b>

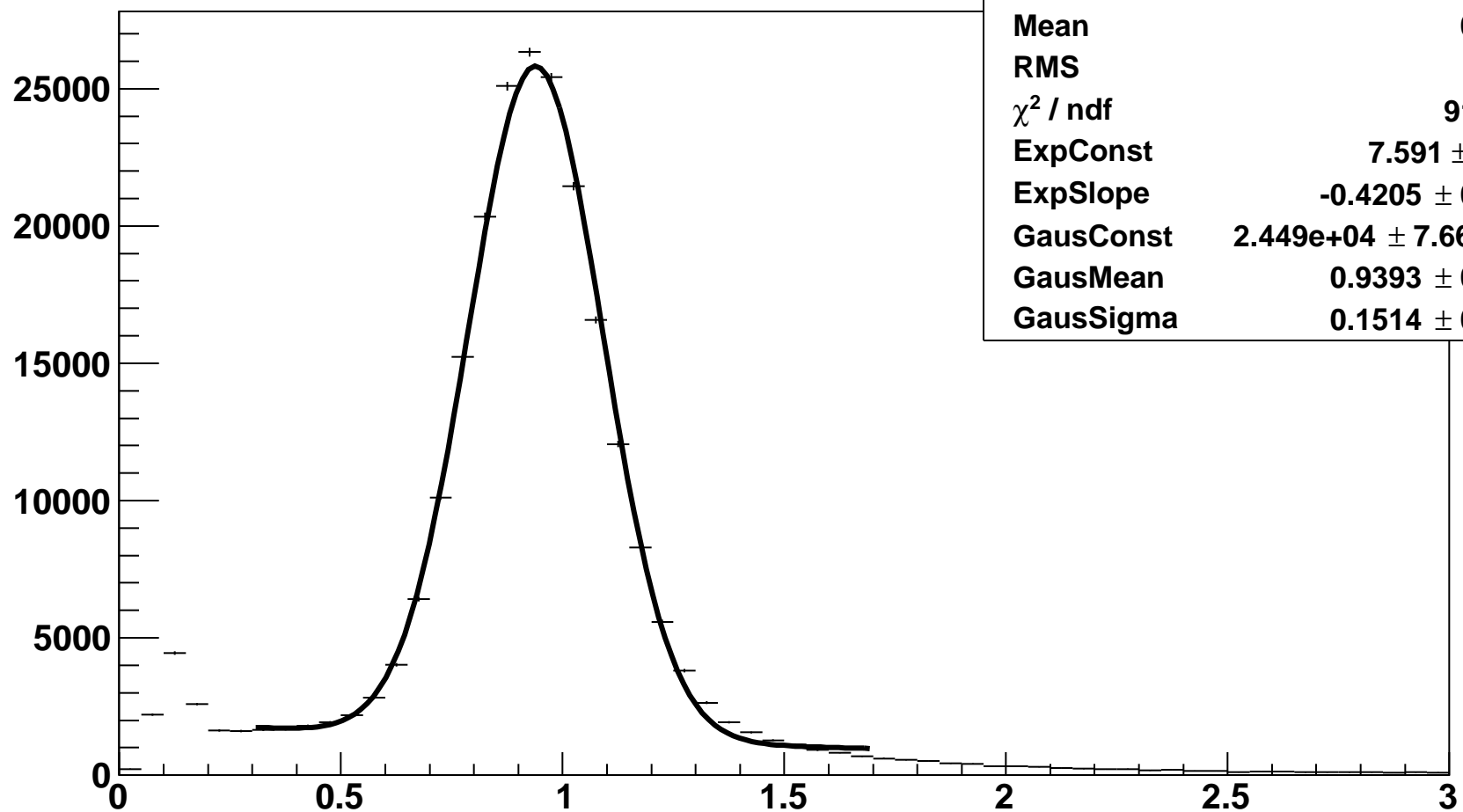
**mom-slice-2.000000<P<2.500000**

**new\_unbiased\_didFire-proj**



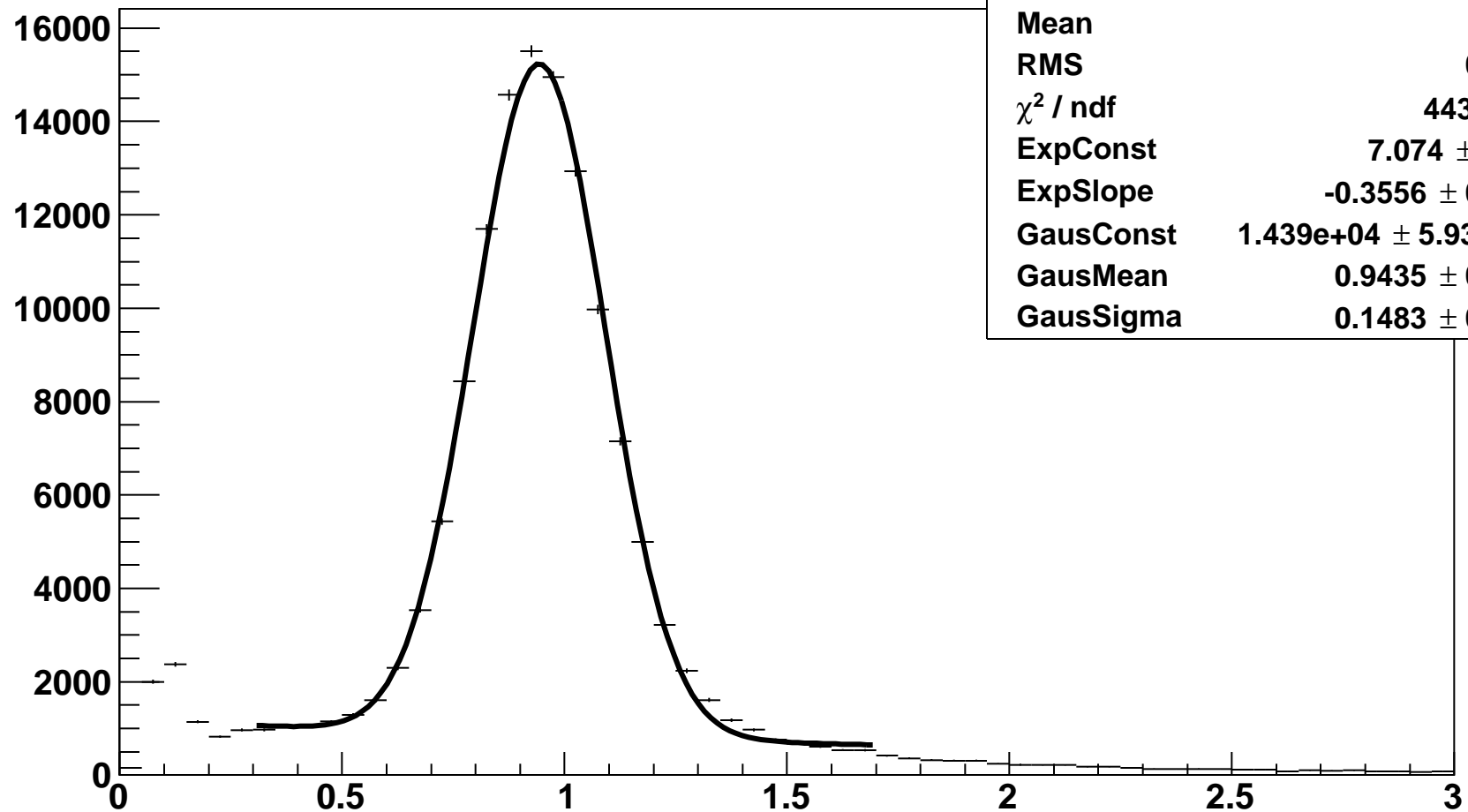
**mom-slice-2.500000<P<3.000000**

**new\_unbiased\_didFire-proj**

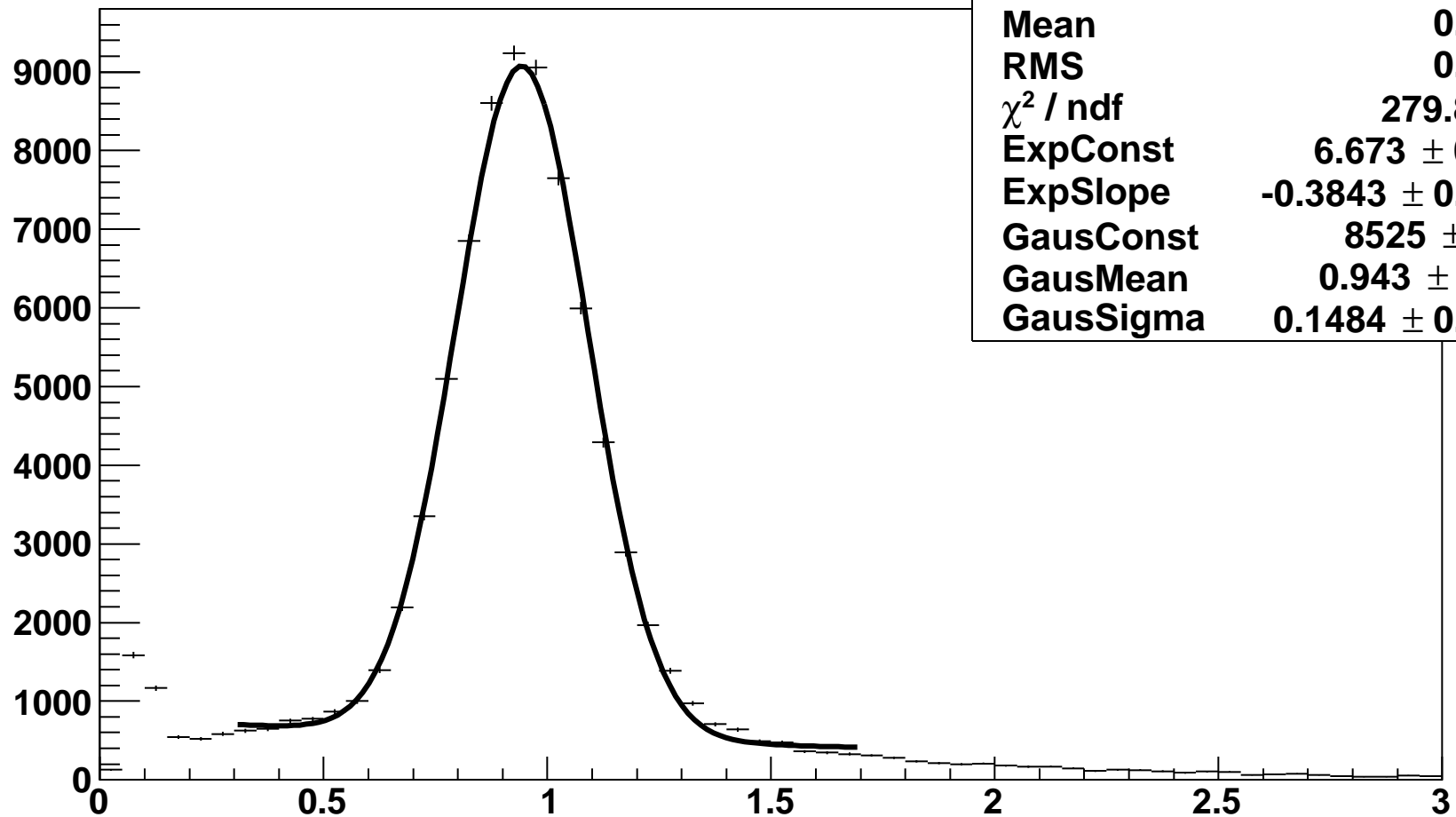


**mom-slice-3.000000<P<3.500000**

**new\_unbiased\_didFire-proj**



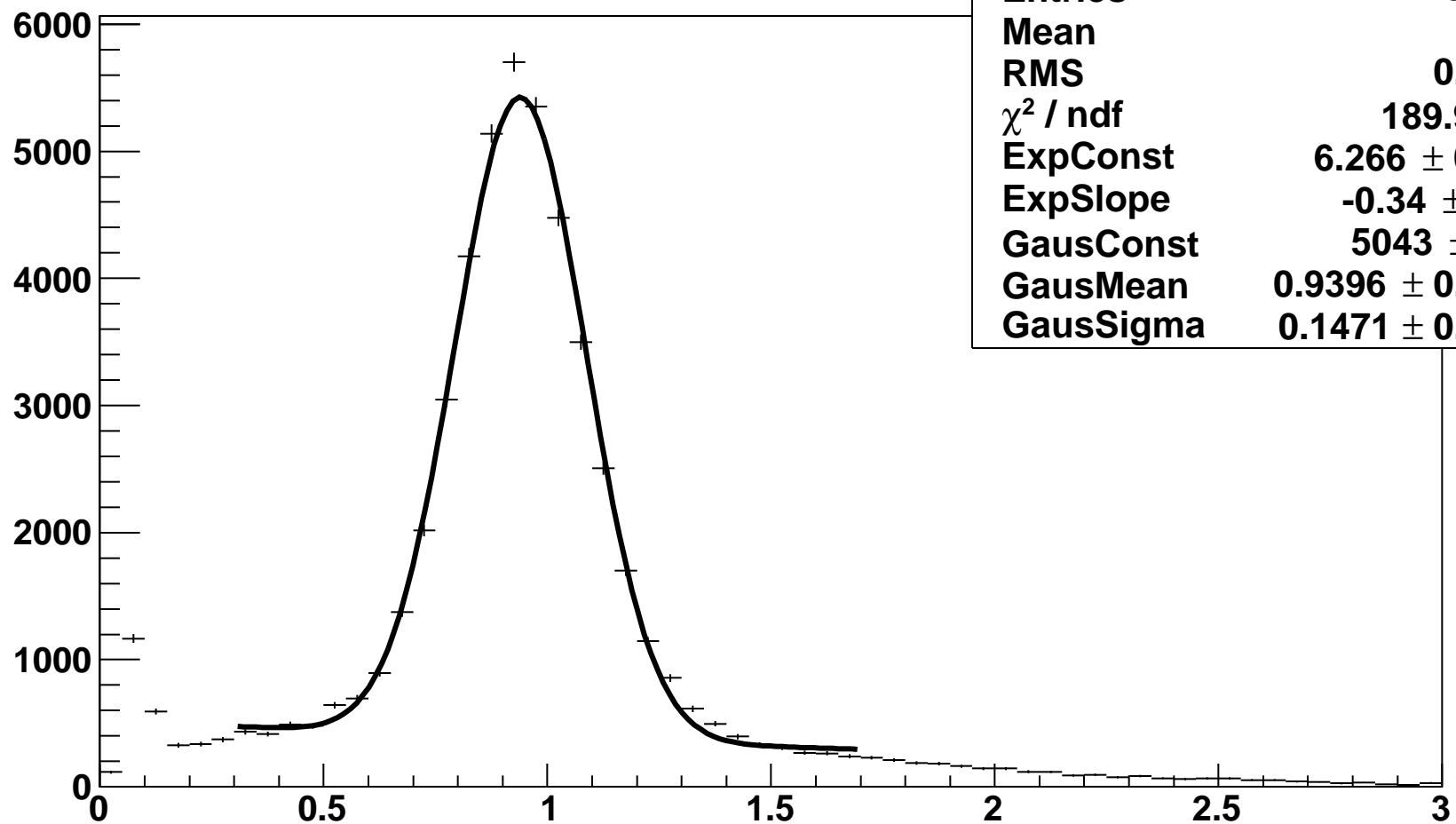
**mom-slice-3.500000<P<4.000000**



**new\_unbiased\_didFire-proj**

<b>Entries</b>	<b>175590</b>
<b>Mean</b>	<b>0.9475</b>
<b>RMS</b>	<b>0.3714</b>
<b><math>\chi^2 / \text{ndf}</math></b>	<b>279.8 / 23</b>
<b>ExpConst</b>	<b>6.673 <math>\pm</math> 0.025</b>
<b>ExpSlope</b>	<b>-0.3843 <math>\pm</math> 0.0217</b>
<b>GausConst</b>	<b>8525 <math>\pm</math> 45.9</b>
<b>GausMean</b>	<b>0.943 <math>\pm</math> 0.001</b>
<b>GausSigma</b>	<b>0.1484 <math>\pm</math> 0.0007</b>

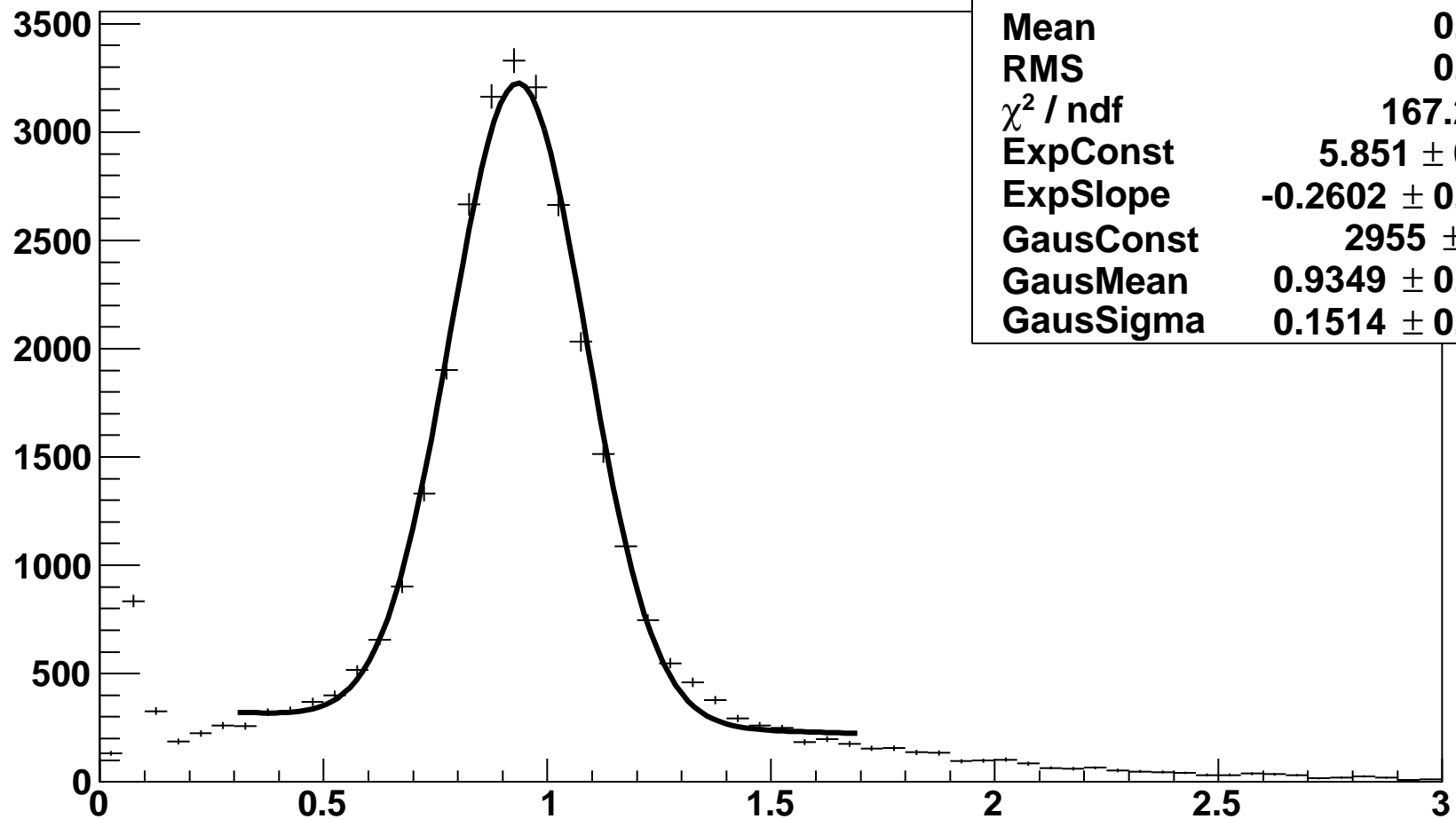
**mom-slice-4.000000<P<4.500000**



**new\_unbiased\_didFire-proj**

Entries	108498
Mean	0.951
RMS	0.3868
$\chi^2 / \text{ndf}$	189.9 / 23
ExpConst	$6.266 \pm 0.029$
ExpSlope	$-0.34 \pm 0.03$
GausConst	$5043 \pm 36.1$
GausMean	$0.9396 \pm 0.0009$
GausSigma	$0.1471 \pm 0.0009$

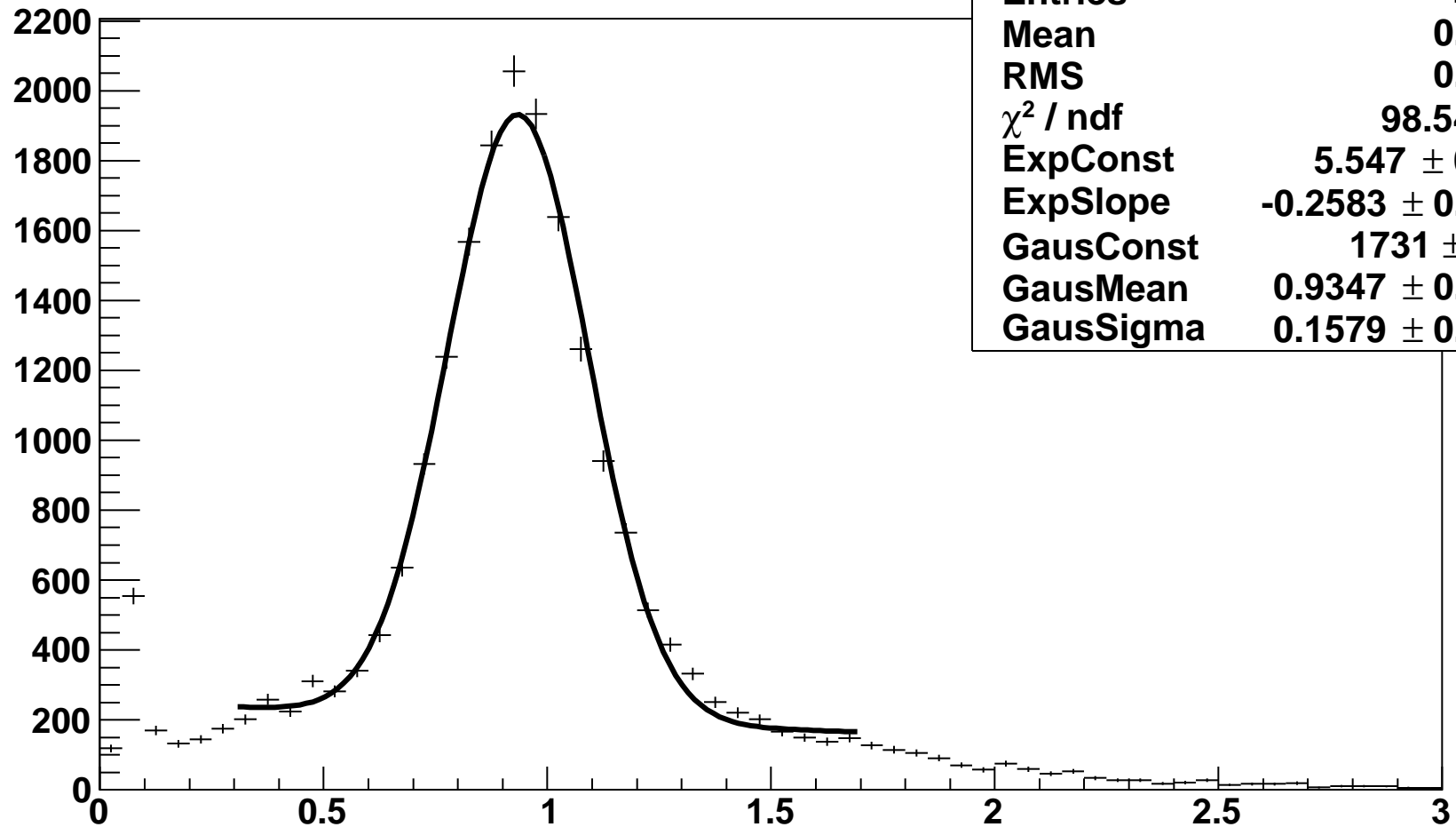
**mom-slice-4.500000<P<5.000000**



**new\_unbiased\_didFire-proj**

<b>Entries</b>	<b>68078</b>
<b>Mean</b>	<b>0.9496</b>
<b>RMS</b>	<b>0.3976</b>
<b><math>\chi^2 / \text{ndf}</math></b>	<b>167.2 / 23</b>
<b>ExpConst</b>	<b>5.851 <math>\pm</math> 0.036</b>
<b>ExpSlope</b>	<b>-0.2602 <math>\pm</math> 0.0303</b>
<b>GausConst</b>	<b>2955 <math>\pm</math> 27.7</b>
<b>GausMean</b>	<b>0.9349 <math>\pm</math> 0.0012</b>
<b>GausSigma</b>	<b>0.1514 <math>\pm</math> 0.0013</b>

**mom-slice-5.000000<P<5.500000**

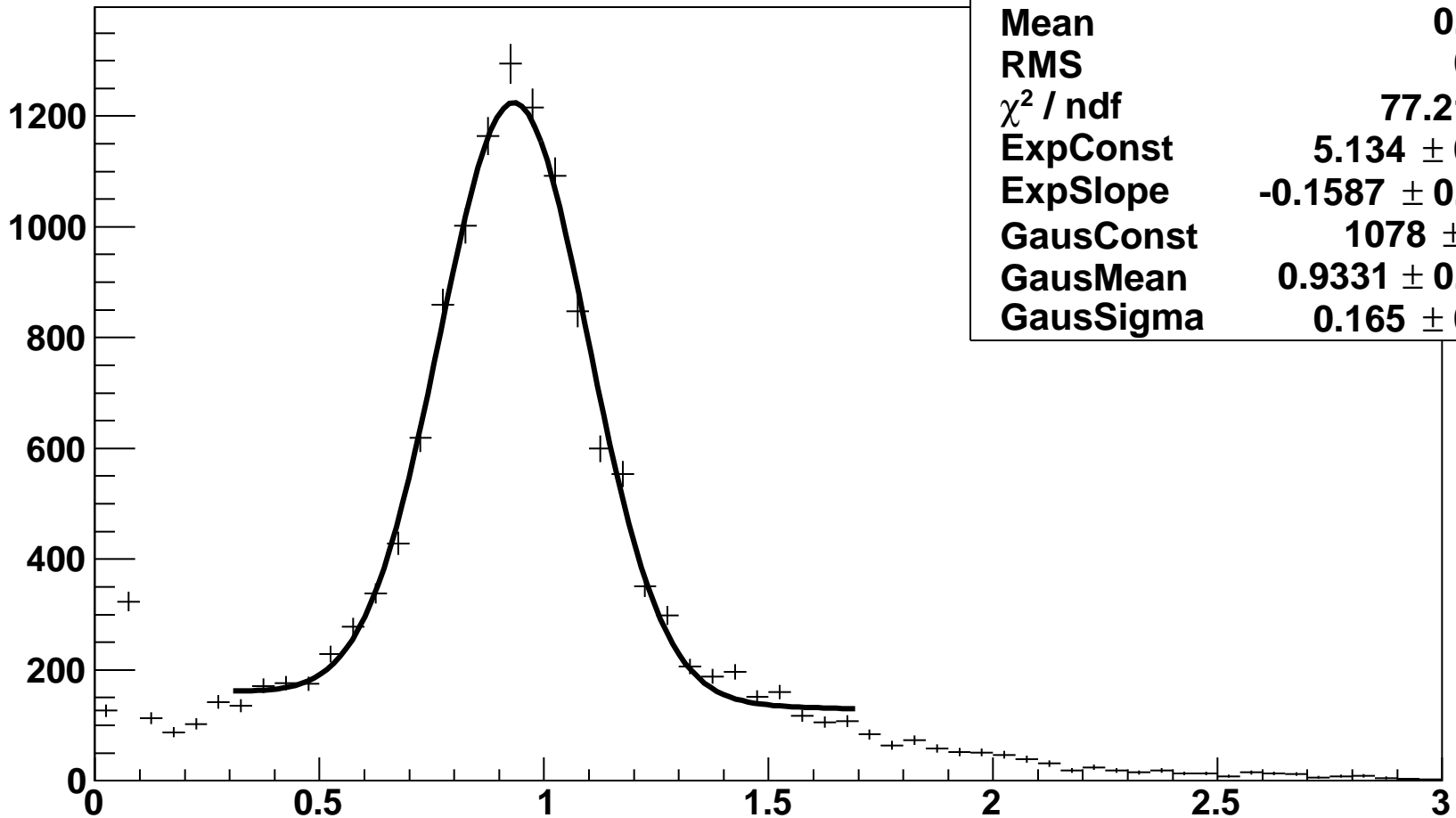


**new\_unbiased\_didFire-proj**

<b>Entries</b>	<b>44046</b>
<b>Mean</b>	<b>0.9486</b>
<b>RMS</b>	<b>0.4025</b>
$\chi^2 / \text{ndf}$	<b>98.54 / 23</b>
<b>ExpConst</b>	<b>5.547 ± 0.044</b>
<b>ExpSlope</b>	<b>-0.2583 ± 0.0362</b>
<b>GausConst</b>	<b>1731 ± 21.0</b>
<b>GausMean</b>	<b>0.9347 ± 0.0017</b>
<b>GausSigma</b>	<b>0.1579 ± 0.0018</b>



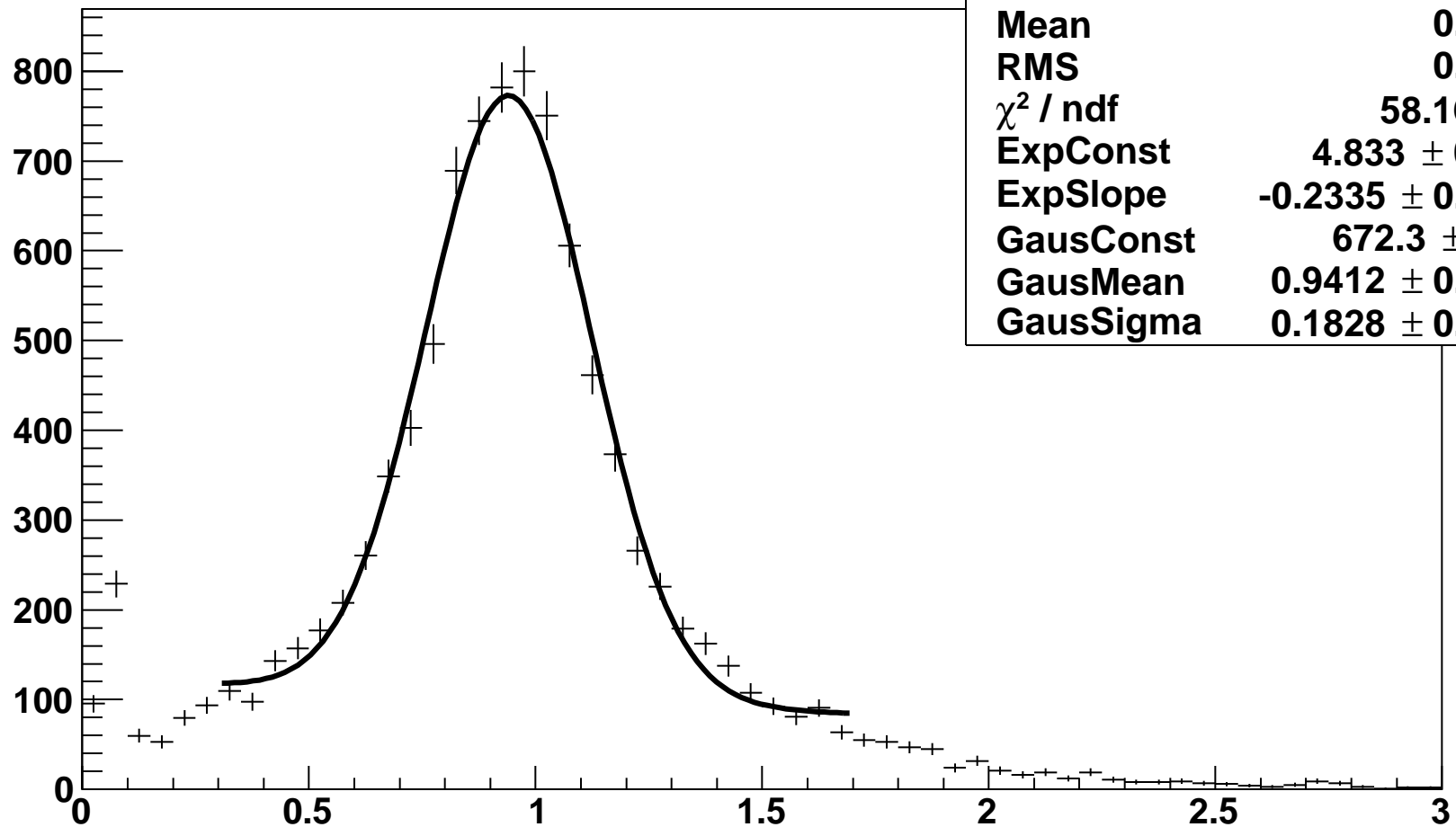
**mom-slice-5.500000<P<6.000000**



**new\_unbiased\_didFire-proj**

<b>Entries</b>	<b>29664</b>
<b>Mean</b>	<b>0.9504</b>
<b>RMS</b>	<b>0.407</b>
$\chi^2 / \text{ndf}$	<b>77.21 / 23</b>
<b>ExpConst</b>	<b>5.134 <math>\pm</math> 0.054</b>
<b>ExpSlope</b>	<b>-0.1587 <math>\pm</math> 0.0432</b>
<b>GausConst</b>	<b>1078 <math>\pm</math> 16.4</b>
<b>GausMean</b>	<b>0.9331 <math>\pm</math> 0.0023</b>
<b>GausSigma</b>	<b>0.165 <math>\pm</math> 0.002</b>

**mom-slice-6.000000<P<6.500000**

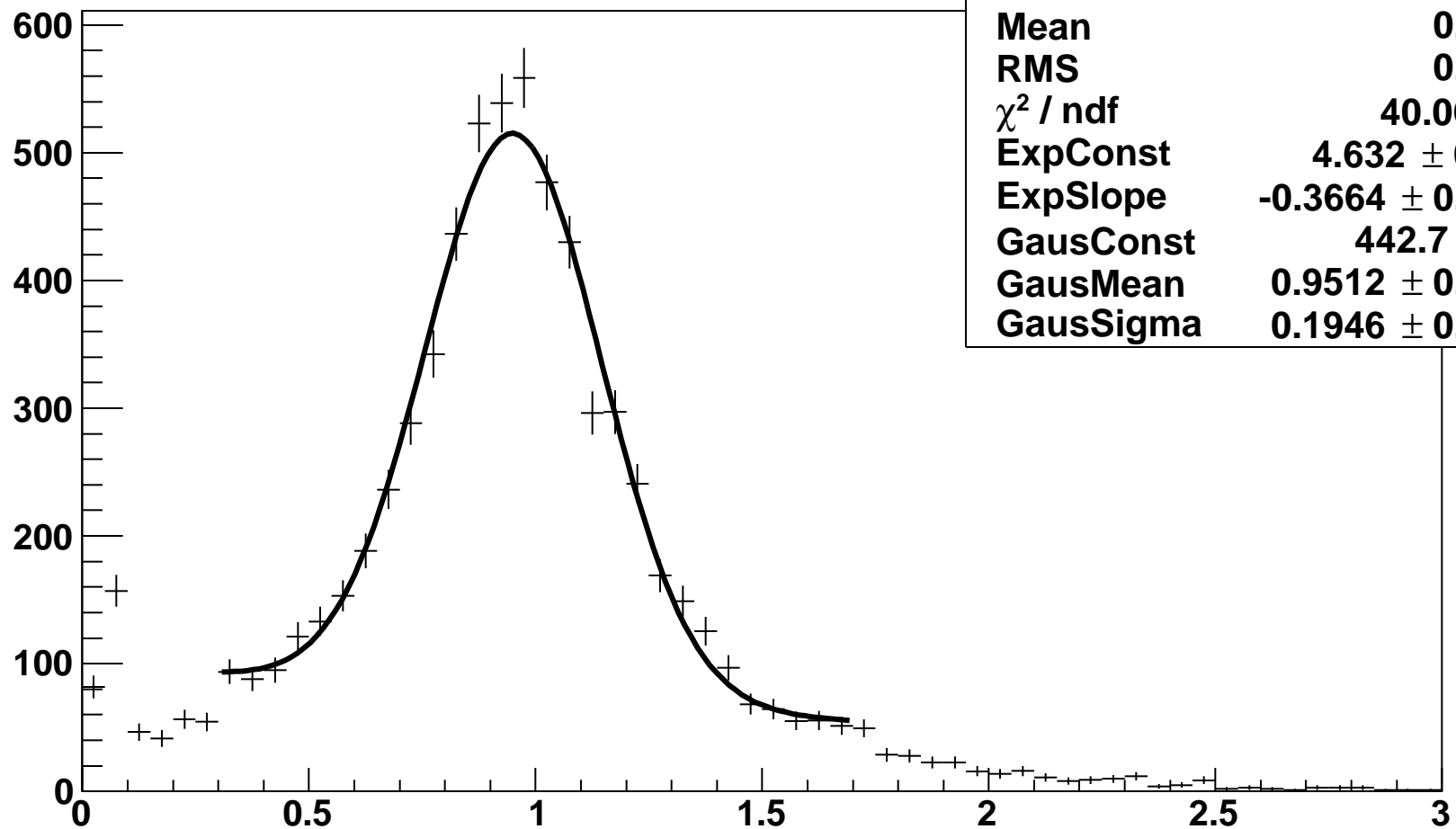


**new\_unbiased\_didFire-proj**

<b>Entries</b>	<b>20378</b>
<b>Mean</b>	<b>0.9445</b>
<b>RMS</b>	<b>0.3999</b>
$\chi^2 / \text{ndf}$	<b>58.16 / 23</b>
<b>ExpConst</b>	<b>4.833 ± 0.069</b>
<b>ExpSlope</b>	<b>-0.2335 ± 0.0543</b>
<b>GausConst</b>	<b>672.3 ± 12.4</b>
<b>GausMean</b>	<b>0.9412 ± 0.0032</b>
<b>GausSigma</b>	<b>0.1828 ± 0.0037</b>

**mom-slice-6.500000<P<7.000000**

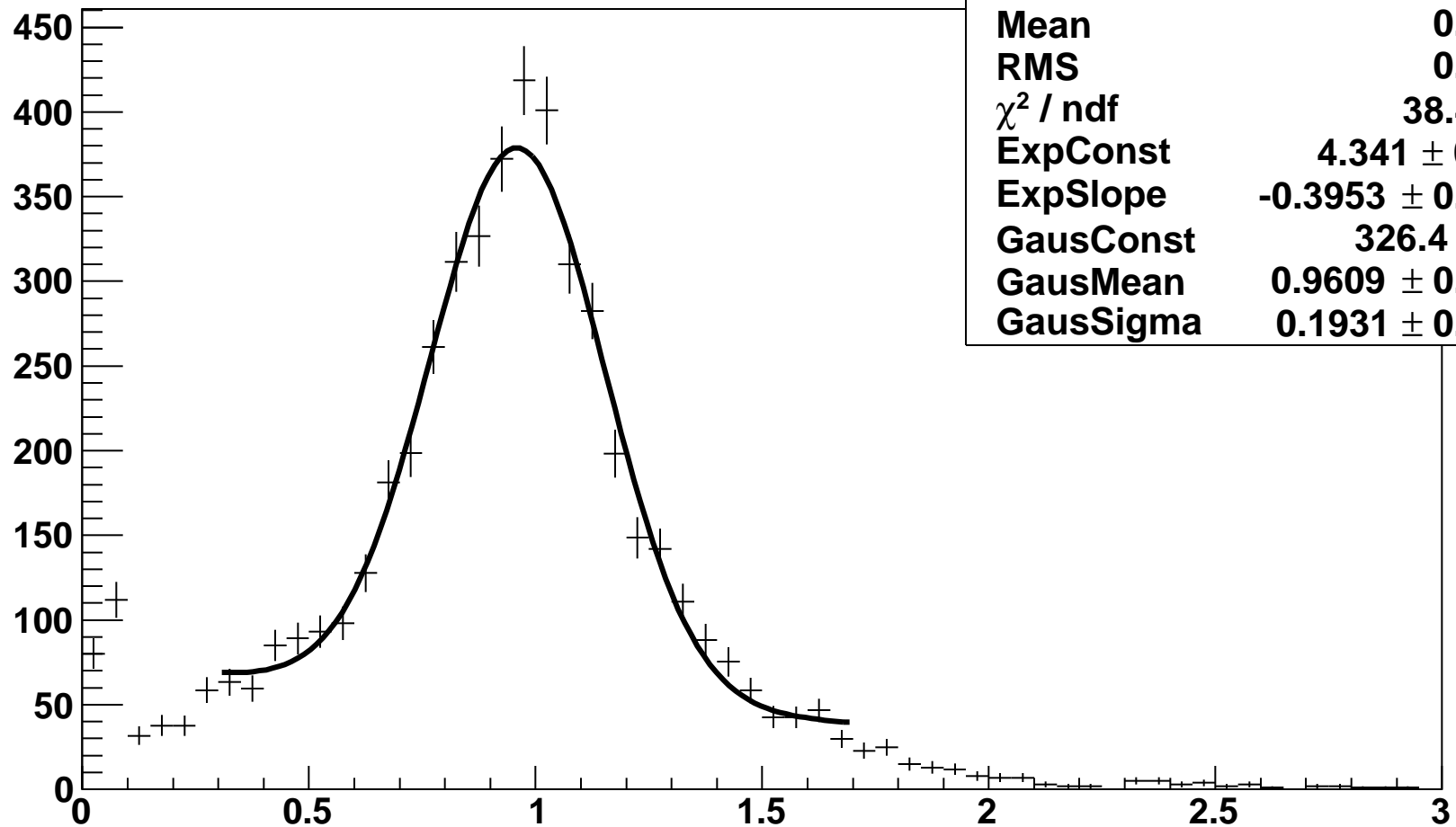
**new\_unbiased\_didFire-proj**



<b>Entries</b>	<b>14538</b>
<b>Mean</b>	<b>0.9406</b>
<b>RMS</b>	<b>0.3998</b>
$\chi^2 / \text{ndf}$	<b>40.06 / 23</b>
<b>ExpConst</b>	<b>4.632 <math>\pm</math> 0.082</b>
<b>ExpSlope</b>	<b>-0.3664 <math>\pm</math> 0.0660</b>
<b>GausConst</b>	<b>442.7 <math>\pm</math> 9.8</b>
<b>GausMean</b>	<b>0.9512 <math>\pm</math> 0.0042</b>
<b>GausSigma</b>	<b>0.1946 <math>\pm</math> 0.0049</b>

**mom-slice-7.000000<P<7.500000**

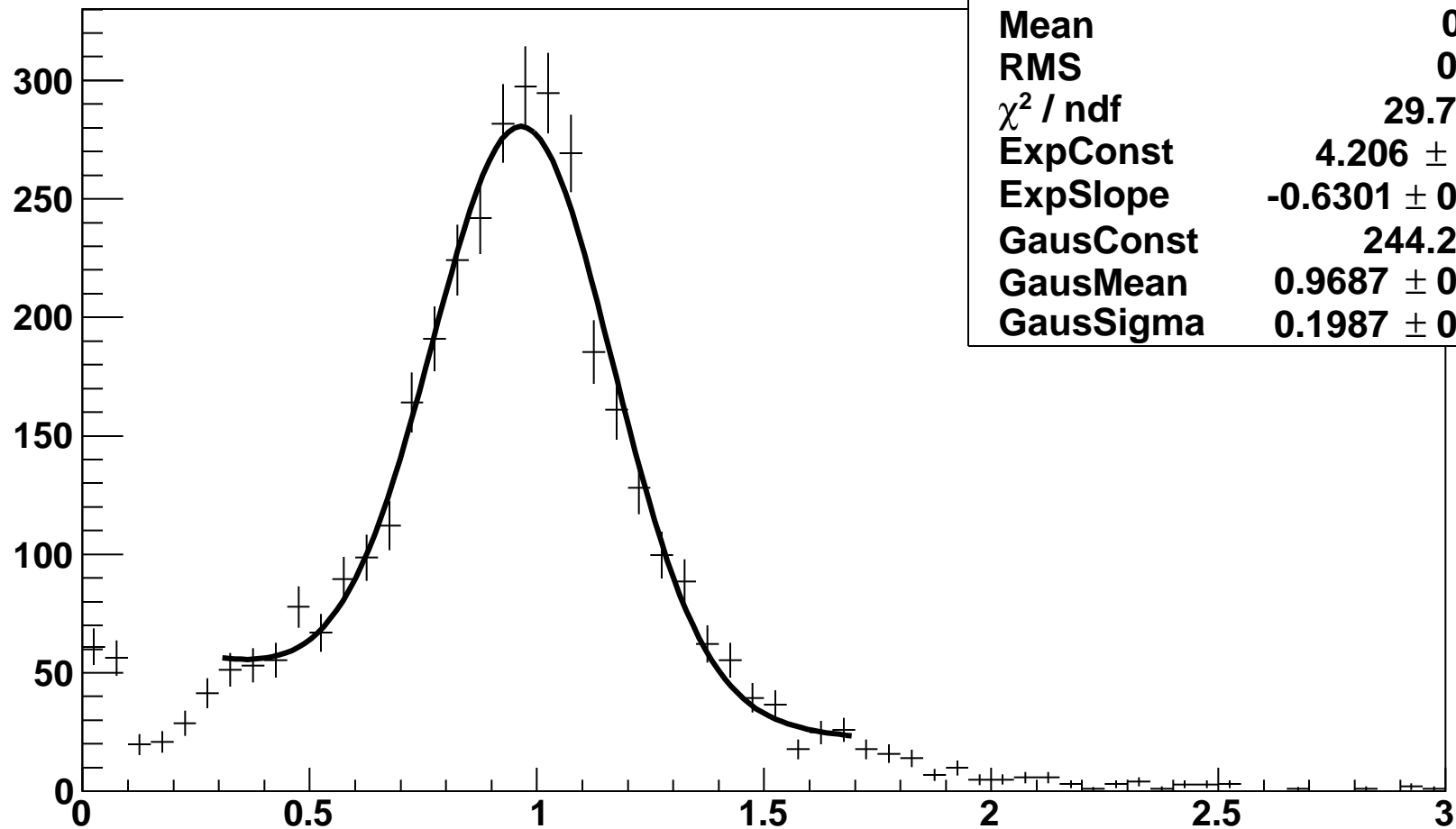
**new\_unbiased\_didFire-proj**



<b>Entries</b>	<b>10562</b>
<b>Mean</b>	<b>0.9263</b>
<b>RMS</b>	<b>0.3865</b>
$\chi^2 / \text{ndf}$	<b>38.4 / 23</b>
<b>ExpConst</b>	<b>4.341 ± 0.090</b>
<b>ExpSlope</b>	<b>-0.3953 ± 0.0769</b>
<b>GausConst</b>	<b>326.4 ± 8.5</b>
<b>GausMean</b>	<b>0.9609 ± 0.0048</b>
<b>GausSigma</b>	<b>0.1931 ± 0.0055</b>

**mom-slice-7.500000<P<8.000000**

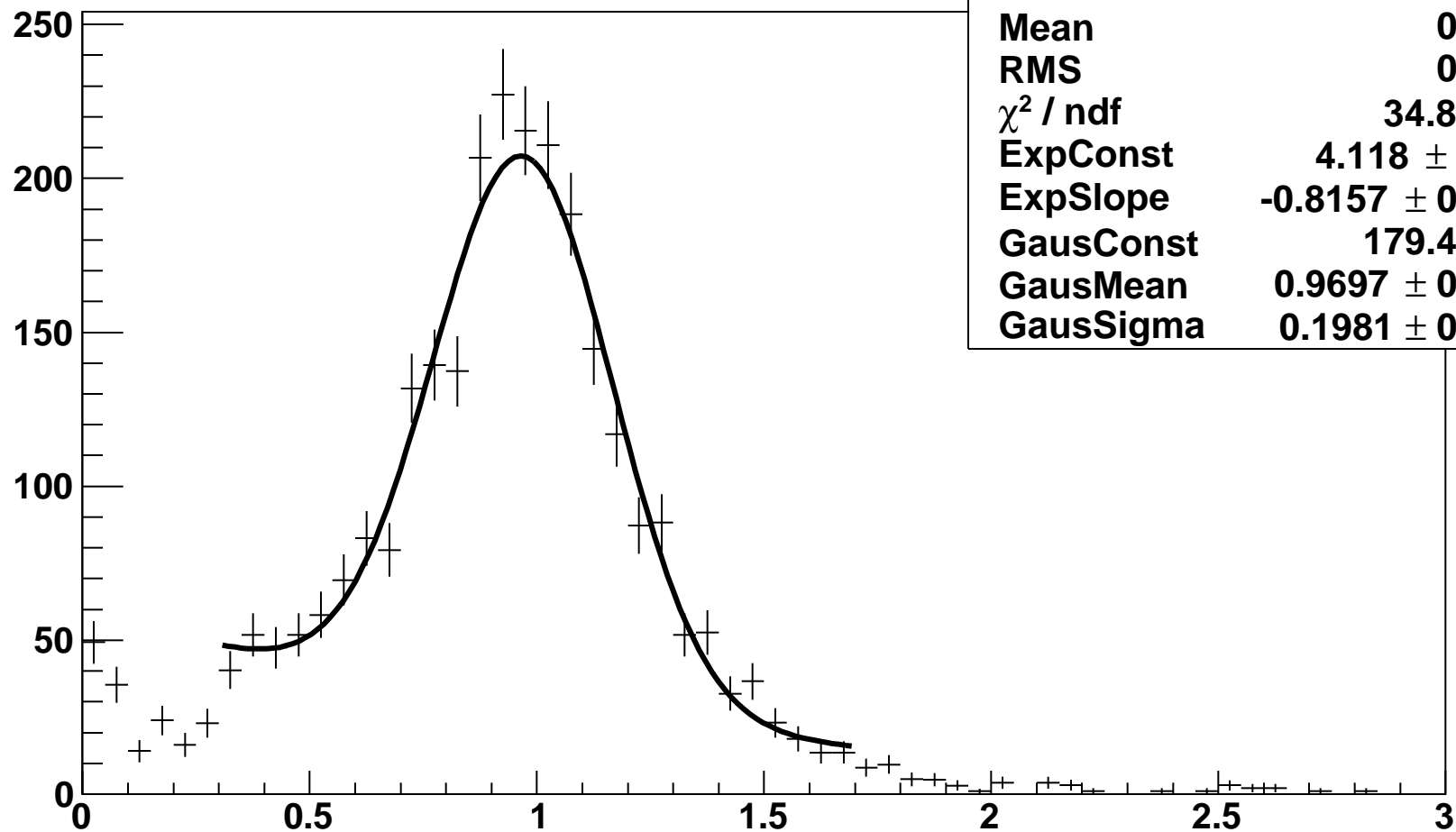
**new\_unbiased\_didFire-proj**



<b>Entries</b>	<b>7914</b>
<b>Mean</b>	<b>0.9311</b>
<b>RMS</b>	<b>0.3792</b>
$\chi^2 / \text{ndf}$	<b>29.72 / 23</b>
<b>ExpConst</b>	<b>4.206 ± 0.100</b>
<b>ExpSlope</b>	<b>-0.6301 ± 0.0990</b>
<b>GausConst</b>	<b>244.2 ± 7.1</b>
<b>GausMean</b>	<b>0.9687 ± 0.0057</b>
<b>GausSigma</b>	<b>0.1987 ± 0.0064</b>

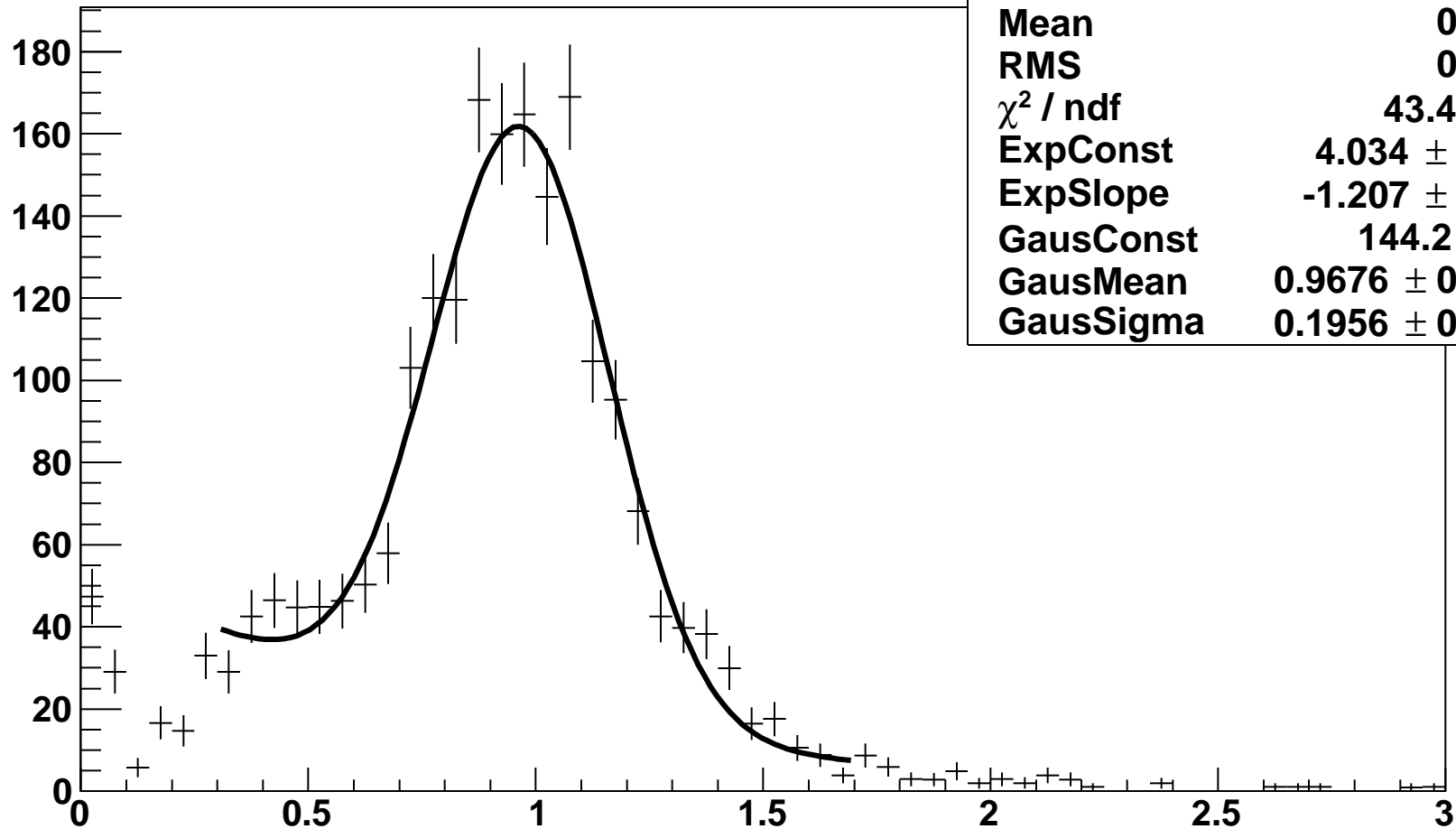
**mom-slice-8.000000<P<8.500000**

**new\_unbiased\_didFire-proj**



**mom-slice-8.500000<P<9.000000**

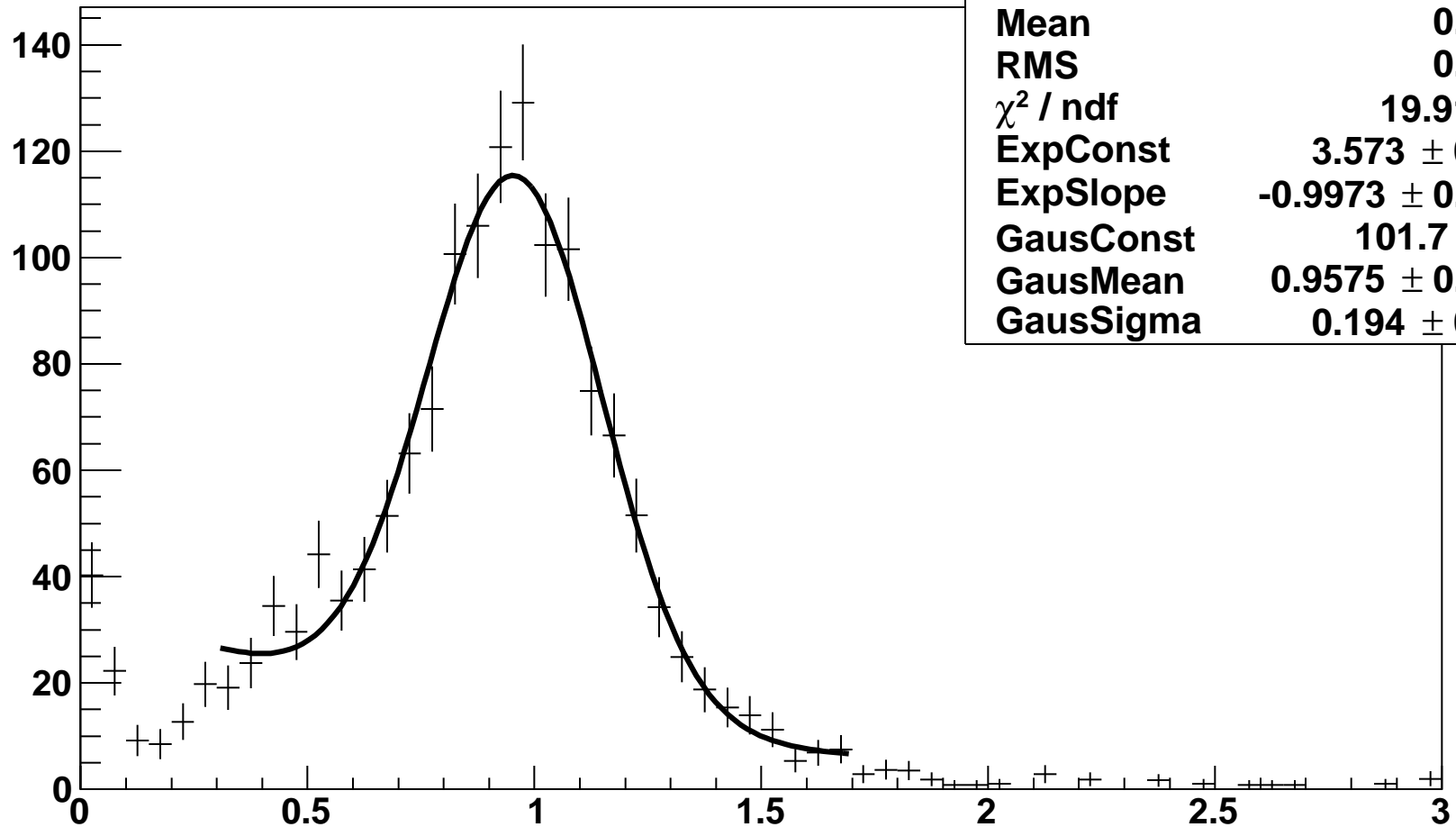
**new\_unbiased\_didFire-proj**



<b>Entries</b>	<b>4628</b>
<b>Mean</b>	<b>0.8974</b>
<b>RMS</b>	<b>0.3692</b>
$\chi^2 / \text{ndf}$	<b>43.41 / 23</b>
<b>ExpConst</b>	<b>4.034 ± 0.120</b>
<b>ExpSlope</b>	<b>-1.207 ± 0.148</b>
<b>GausConst</b>	<b>144.2 ± 5.4</b>
<b>GausMean</b>	<b>0.9676 ± 0.0069</b>
<b>GausSigma</b>	<b>0.1956 ± 0.0080</b>

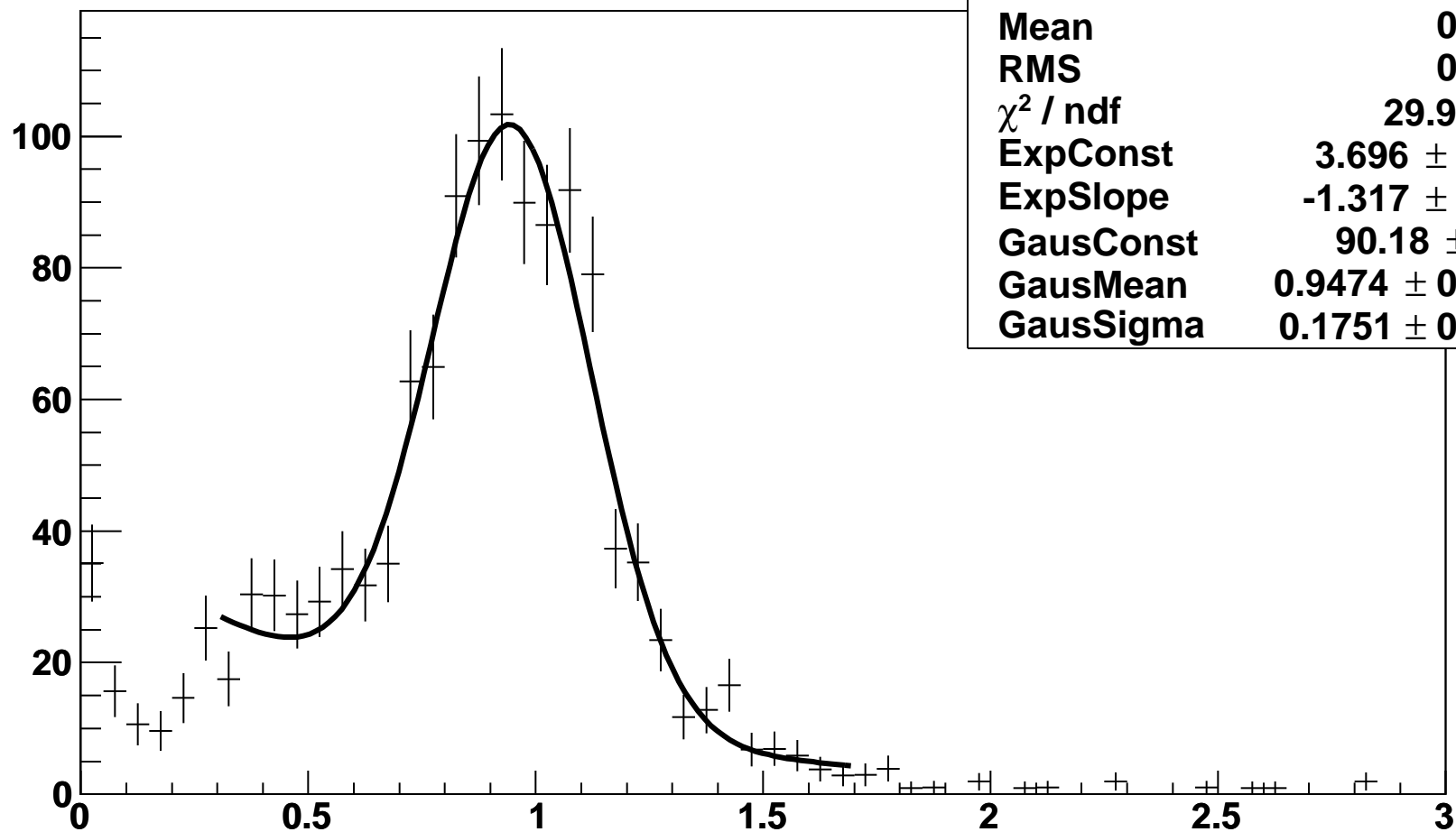
**mom-slice-9.000000<P<9.500000**

**new\_unbiased\_didFire-proj**





**mom-slice-9.500000<P<10.000000**



**new\_unbiased\_didFire-proj**

<b>Entries</b>	<b>2790</b>
<b>Mean</b>	<b>0.8546</b>
<b>RMS</b>	<b>0.3664</b>
$\chi^2 / \text{ndf}$	<b>29.98 / 23</b>
<b>ExpConst</b>	<b>3.696 ± 0.145</b>
<b>ExpSlope</b>	<b>-1.317 ± 0.187</b>
<b>GausConst</b>	<b>90.18 ± 4.55</b>
<b>GausMean</b>	<b>0.9474 ± 0.0085</b>
<b>GausSigma</b>	<b>0.1751 ± 0.0087</b>