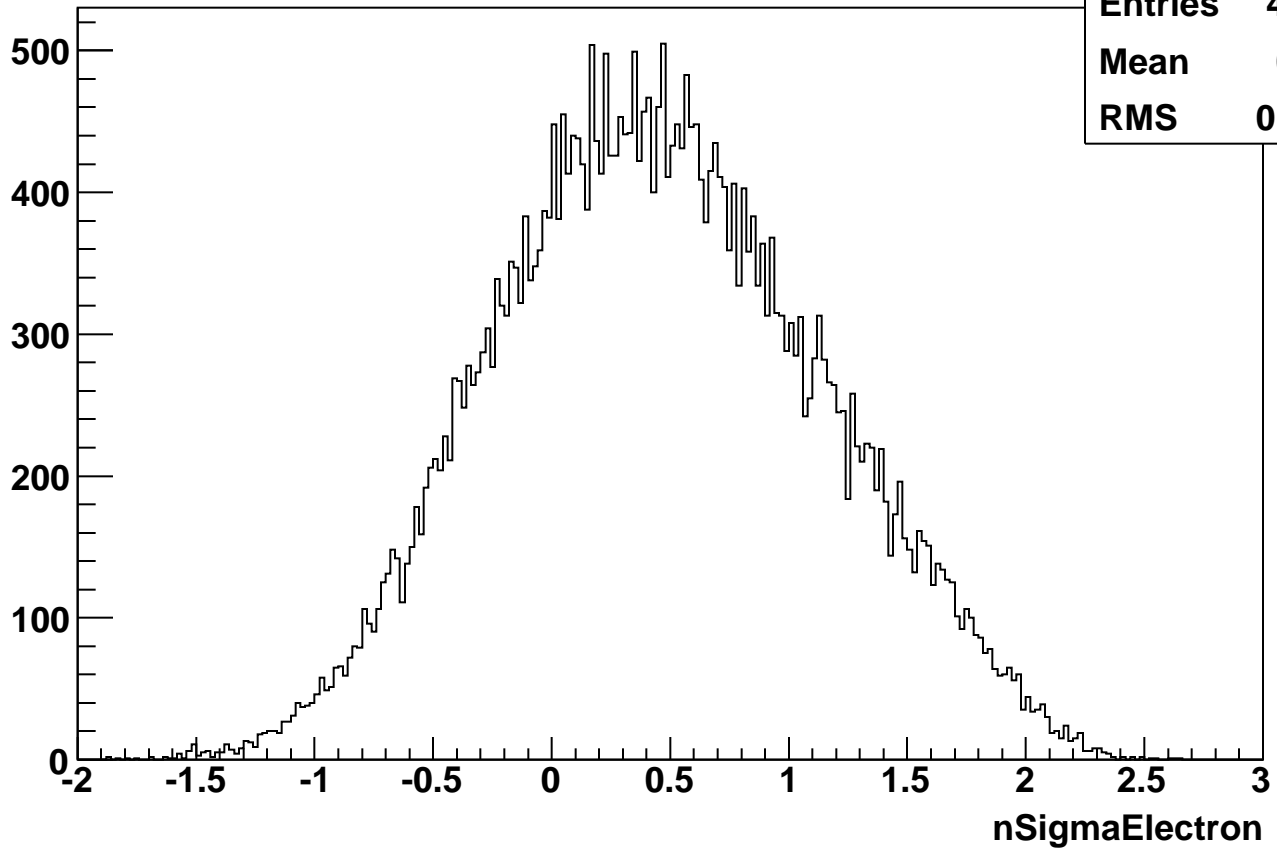
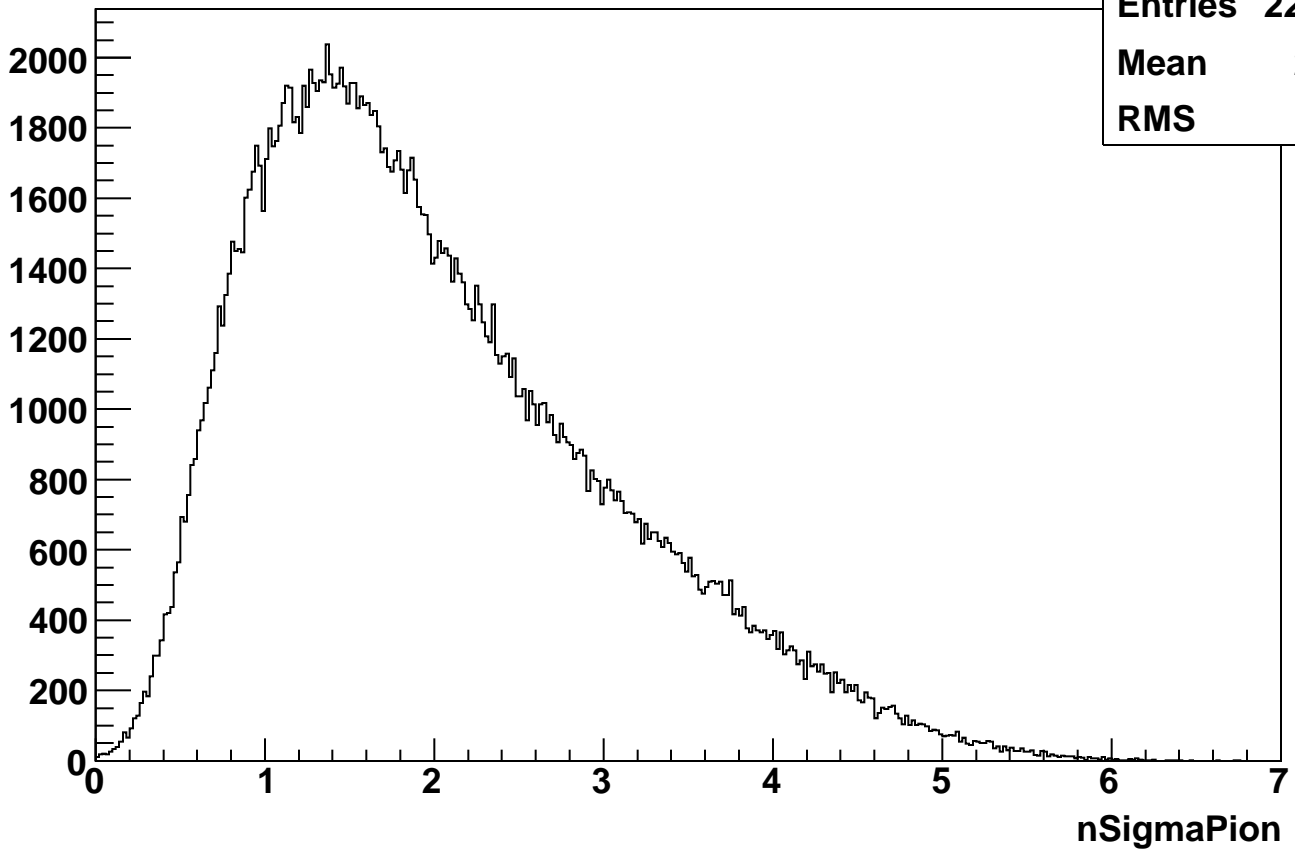


**nSigmaElectron-pionCut-applied**



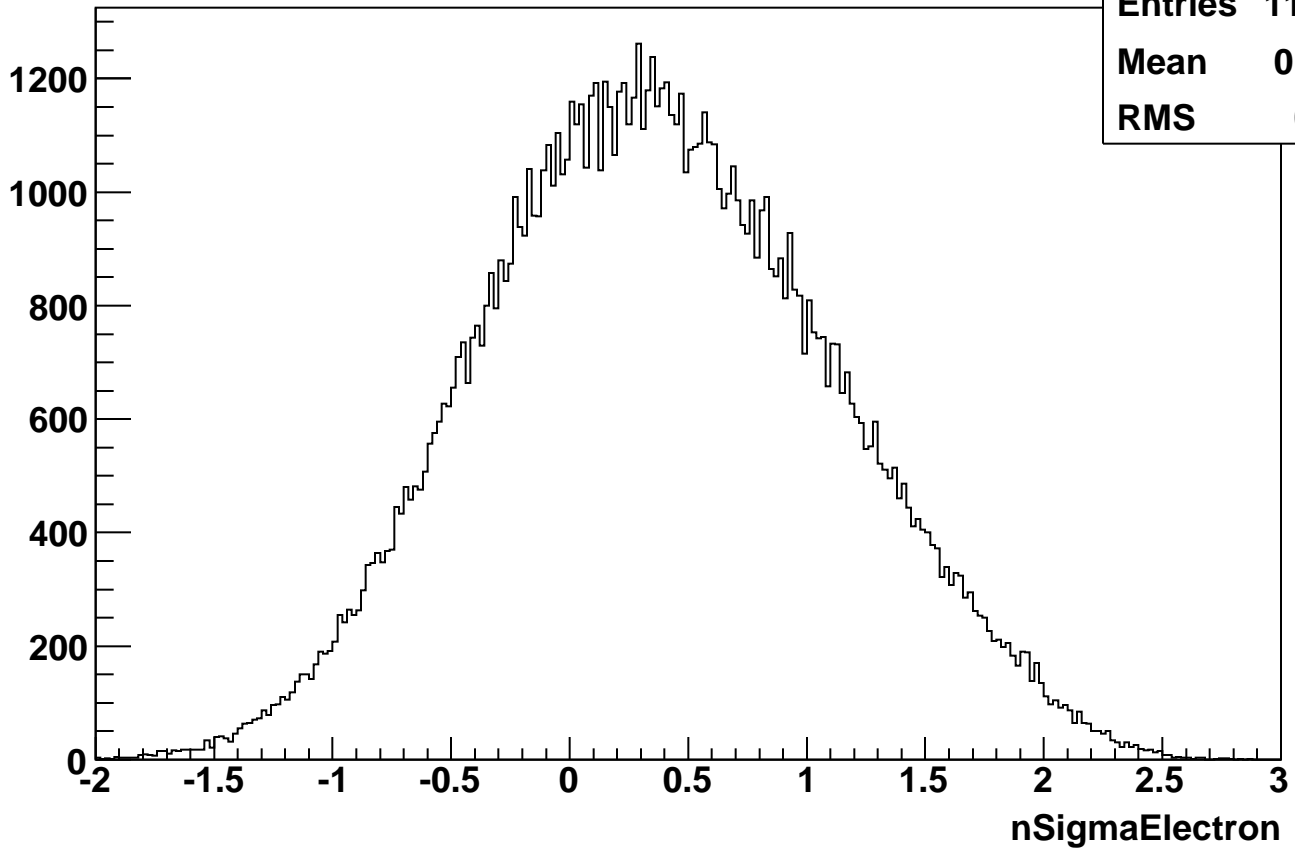
nSigmaElectron_1	
Entries	40148
Mean	0.449
RMS	0.6816

**nSigmaPion-ElectronCut-applied**



nSigmaPion_1	
Entries	220365
Mean	2.008
RMS	1.043

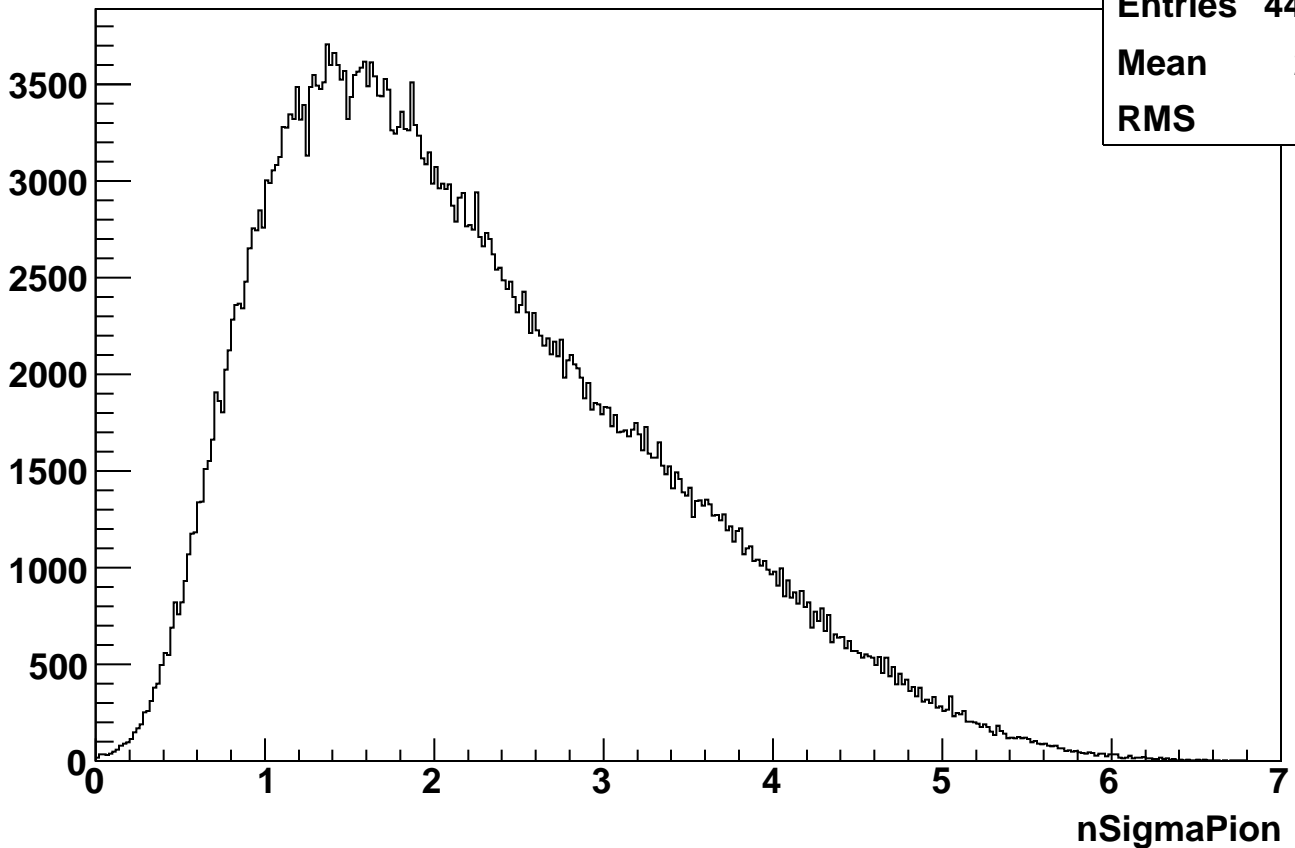
**nSigmaElectron-pionCut-applied**



**nSigmaElectron\_2**

<b>Entries</b>	<b>110252</b>
<b>Mean</b>	<b>0.3705</b>
<b>RMS</b>	<b>0.733</b>

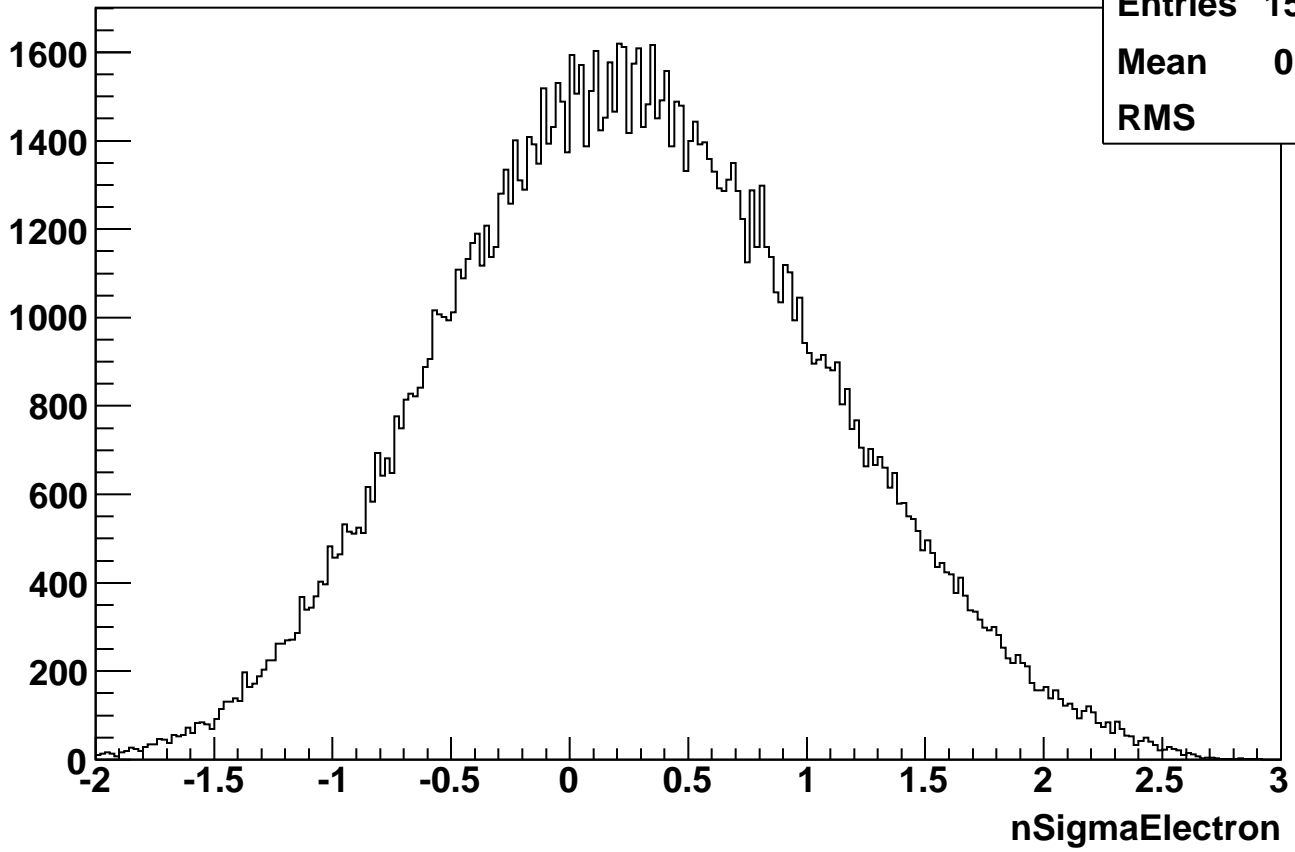
**nSigmaPion-ElectronCut-applied**



**nSigmaPion\_2**

<b>Entries</b>	<b>449875</b>
<b>Mean</b>	<b>2.215</b>
<b>RMS</b>	<b>1.113</b>

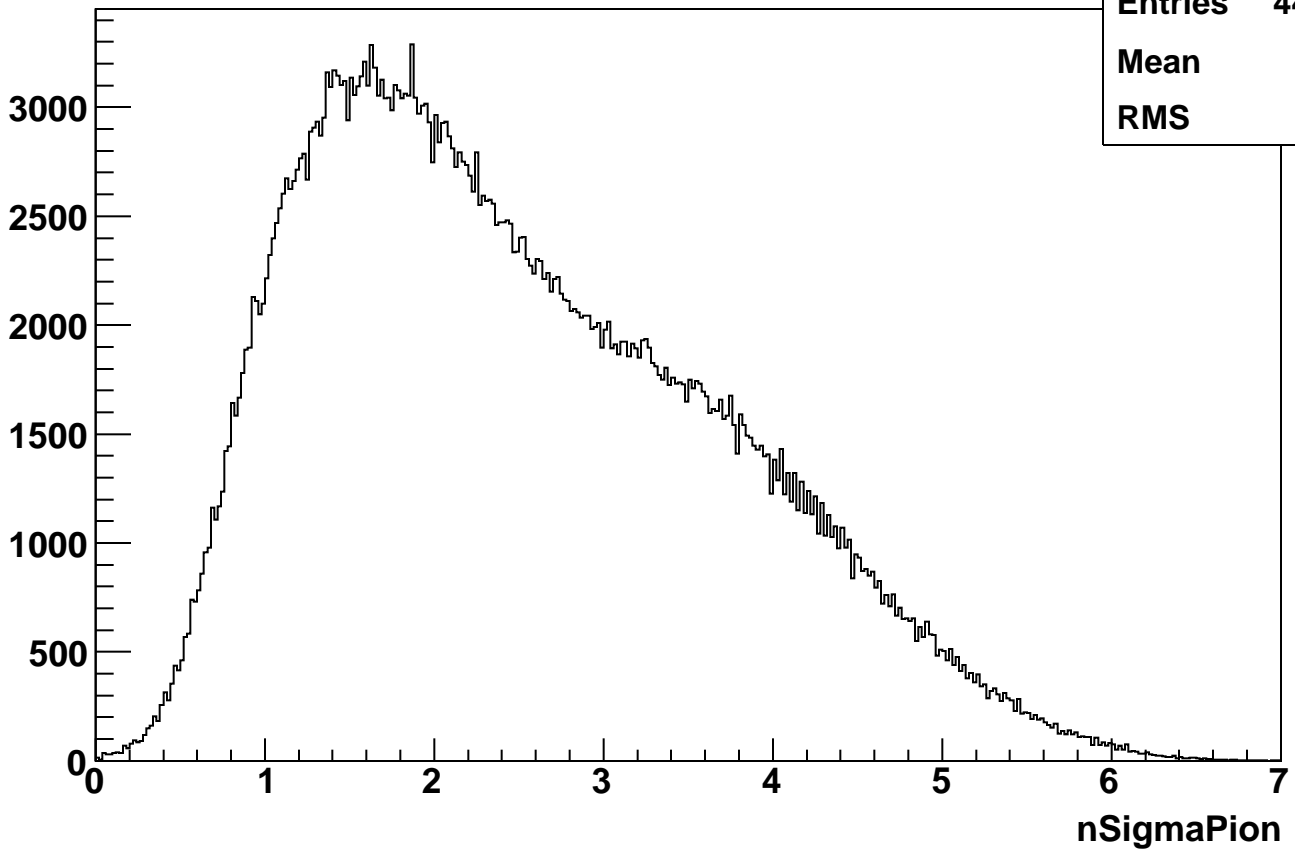
**nSigmaElectron-pionCut-applied**



**nSigmaElectron\_3**

<b>Entries</b>	<b>153766</b>
<b>Mean</b>	<b>0.2795</b>
<b>RMS</b>	<b>0.781</b>

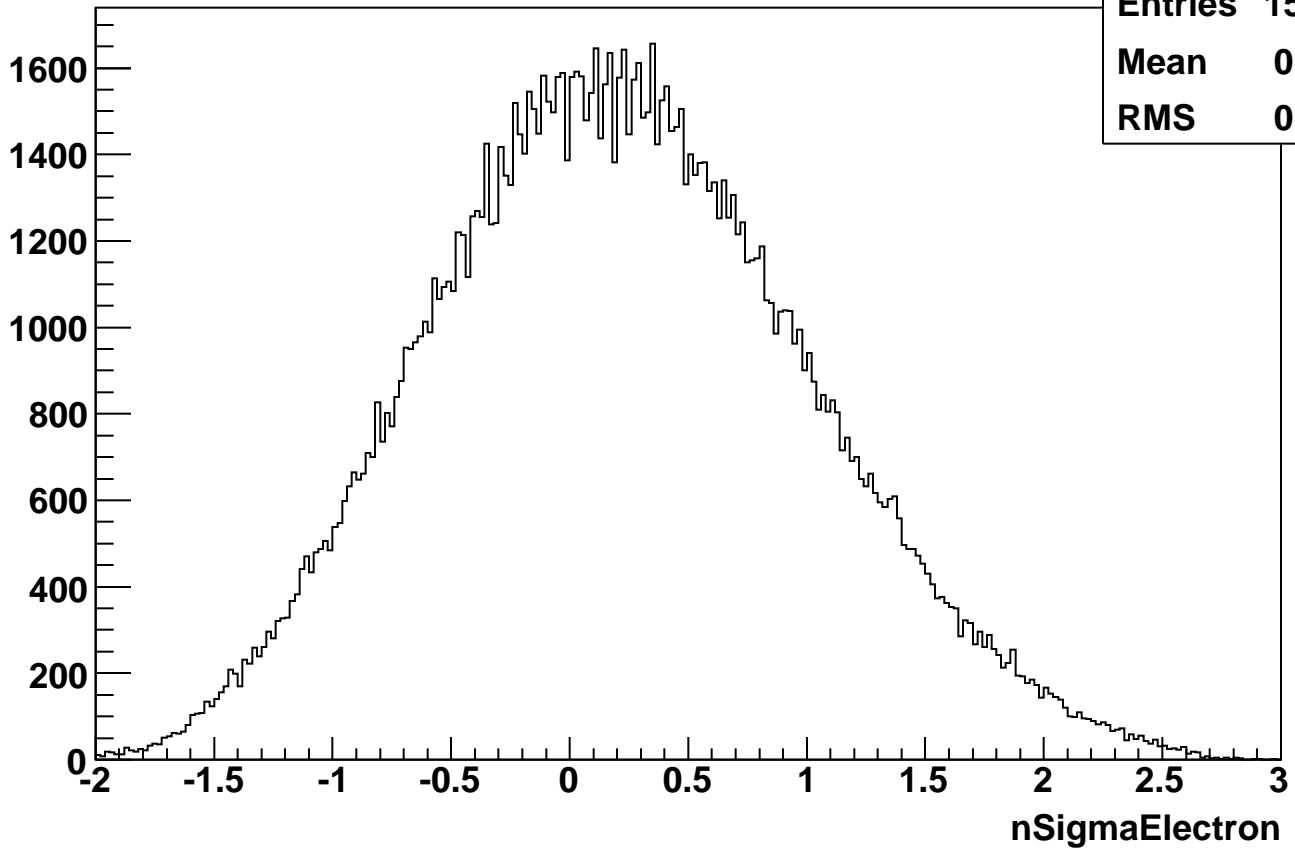
**nSigmaPion-ElectronCut-applied**



**nSigmaPion\_3**

<b>Entries</b>	<b>447614</b>
<b>Mean</b>	<b>2.494</b>
<b>RMS</b>	<b>1.203</b>

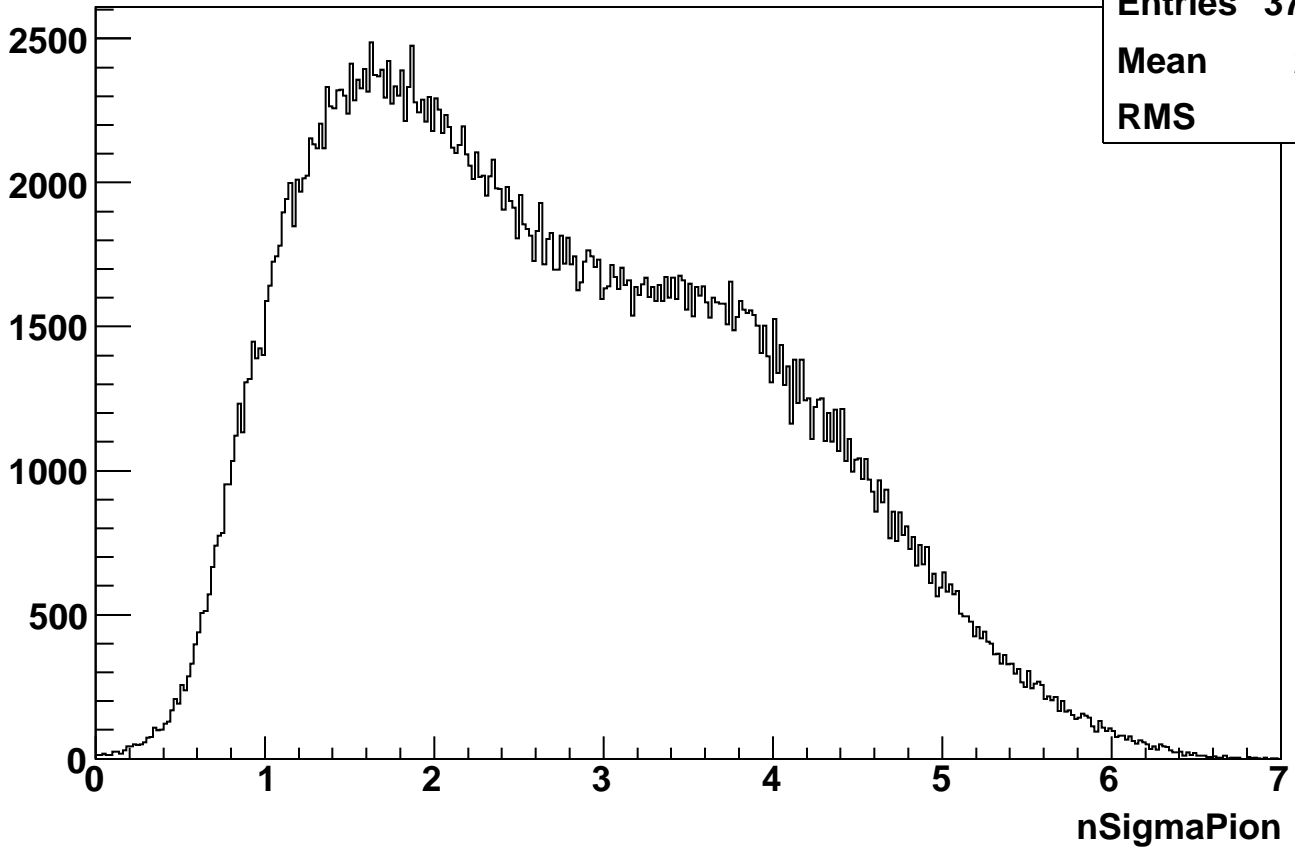
**nSigmaElectron-pionCut-applied**



**nSigmaElectron\_4**

<b>Entries</b>	<b>158030</b>
<b>Mean</b>	<b>0.2149</b>
<b>RMS</b>	<b>0.7887</b>

**nSigmaPion-ElectronCut-applied**



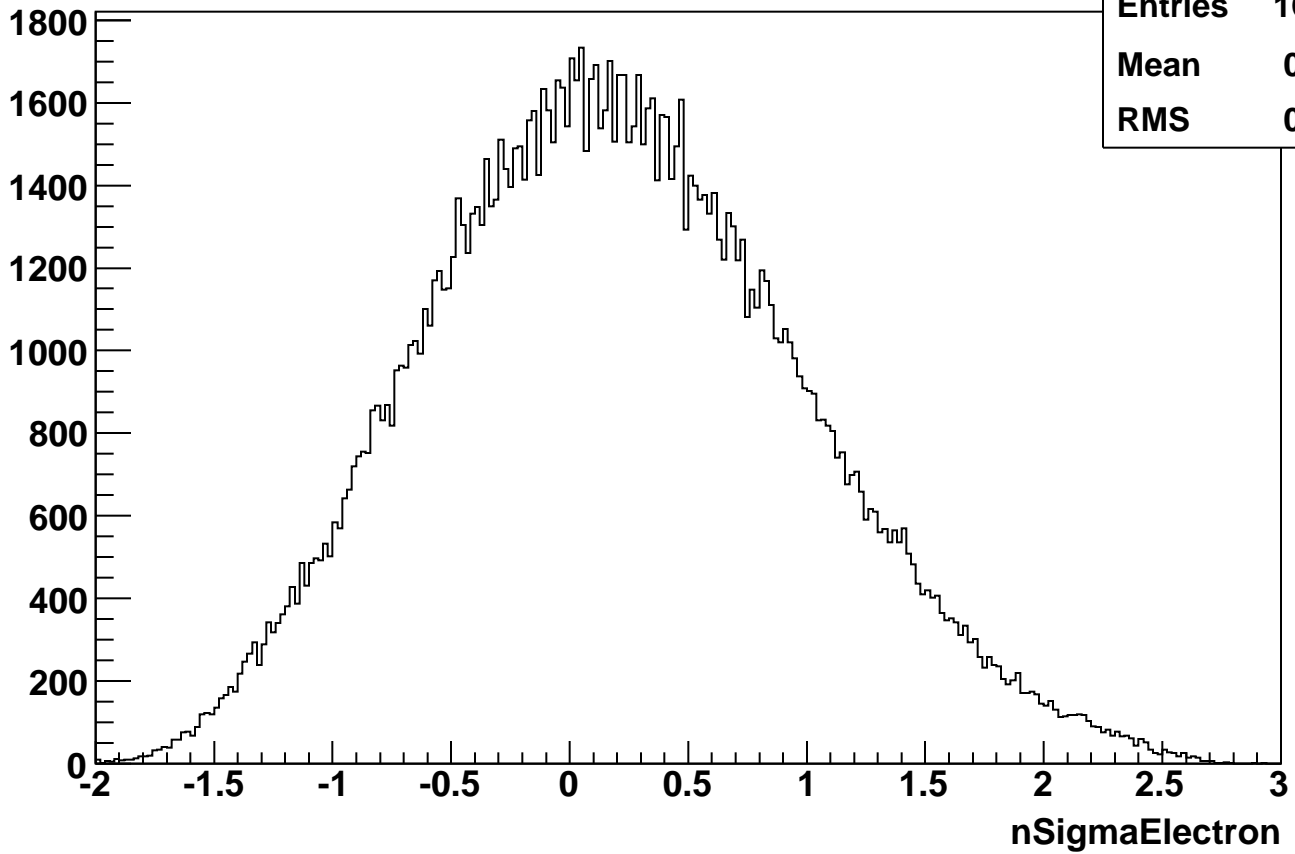
**nSigmaPion\_4**

<b>Entries</b>	<b>374350</b>
<b>Mean</b>	<b>2.703</b>
<b>RMS</b>	<b>1.259</b>

**nSigmaElectron-pionCut-applied**

**nSigmaElectron\_5**

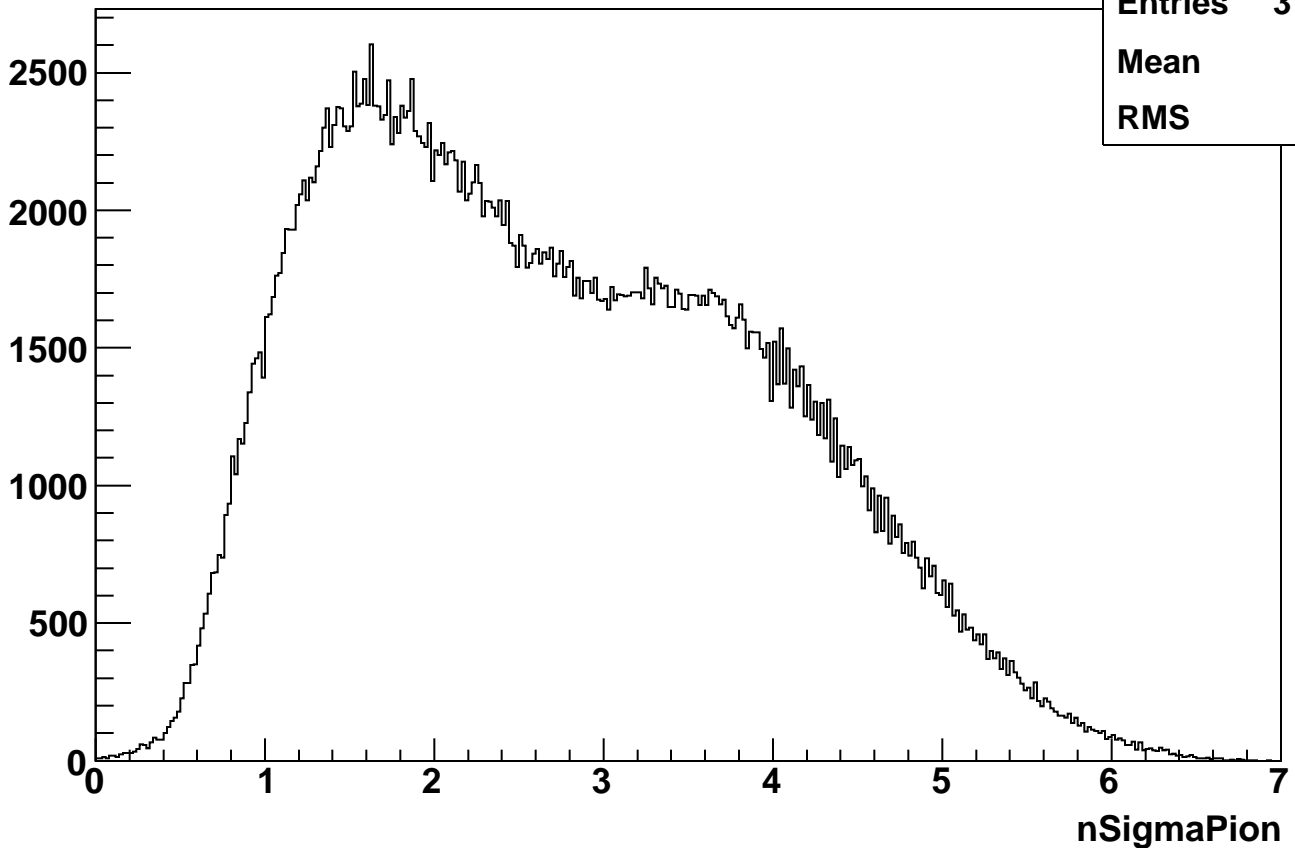
<b>Entries</b>	<b>162388</b>
<b>Mean</b>	<b>0.1934</b>
<b>RMS</b>	<b>0.7829</b>



**nSigmaPion-ElectronCut-applied**

**nSigmaPion\_5**

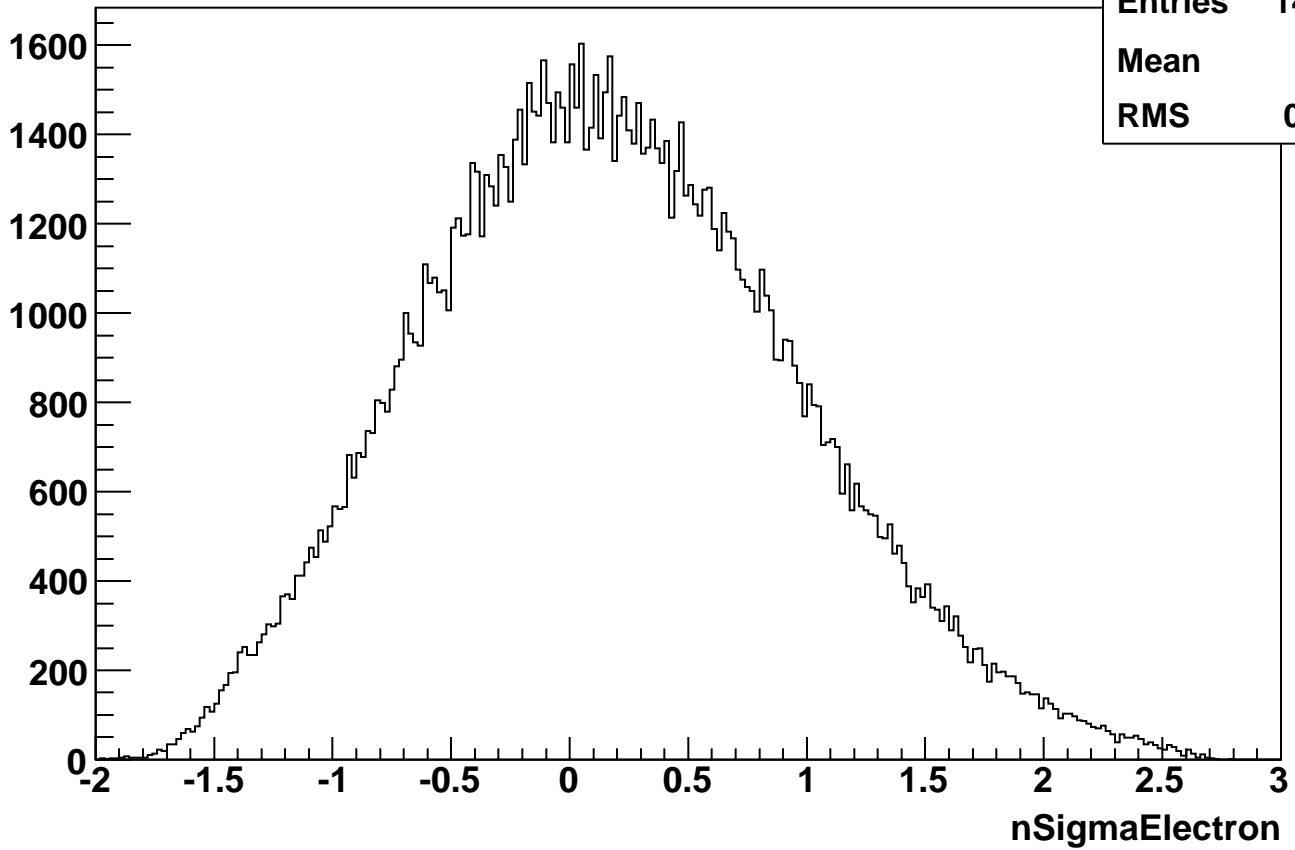
<b>Entries</b>	<b>379787</b>
<b>Mean</b>	<b>2.711</b>
<b>RMS</b>	<b>1.251</b>



**nSigmaElectron-pionCut-applied**

**nSigmaElectron\_6**

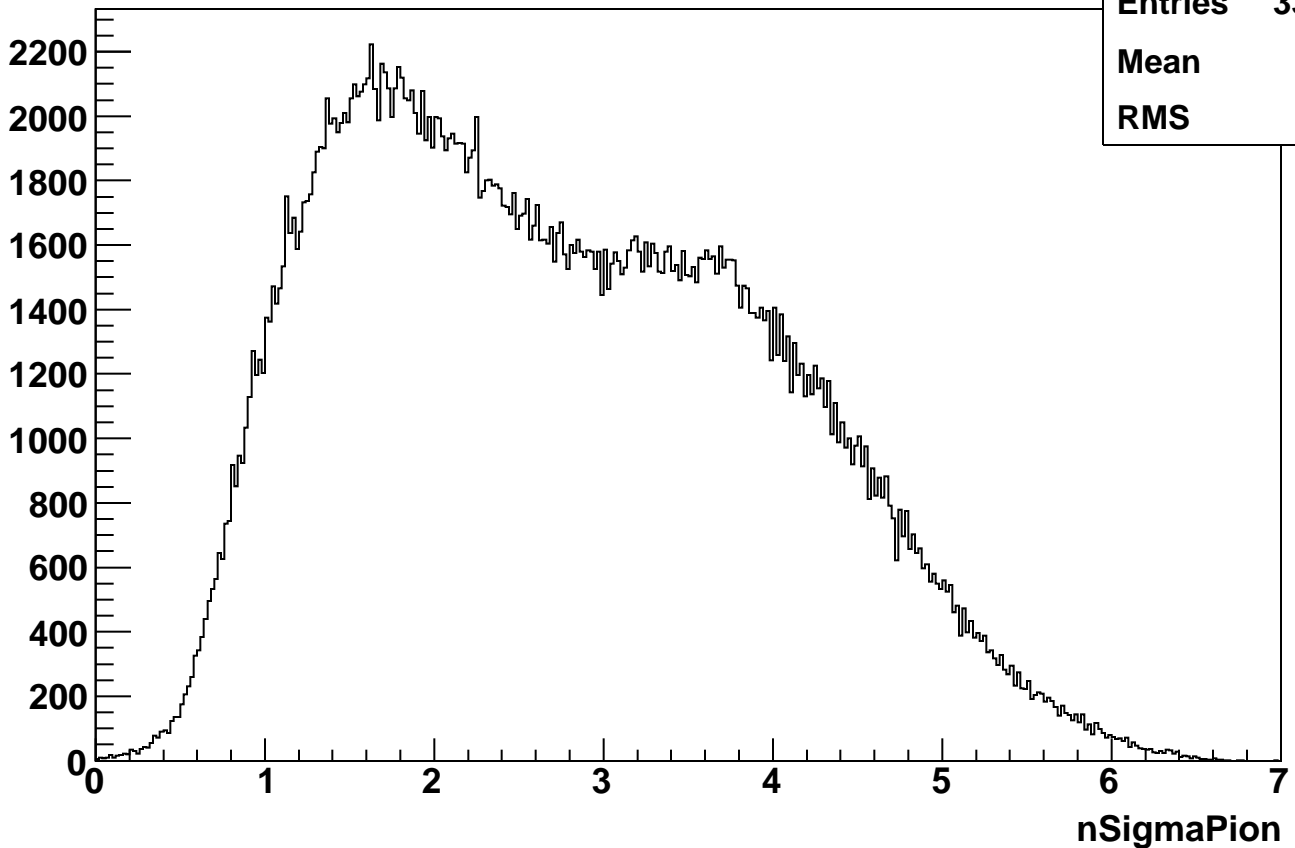
<b>Entries</b>	<b>147864</b>
<b>Mean</b>	<b>0.174</b>
<b>RMS</b>	<b>0.7774</b>



**nSigmaPion-ElectronCut-applied**

**nSigmaPion\_6**

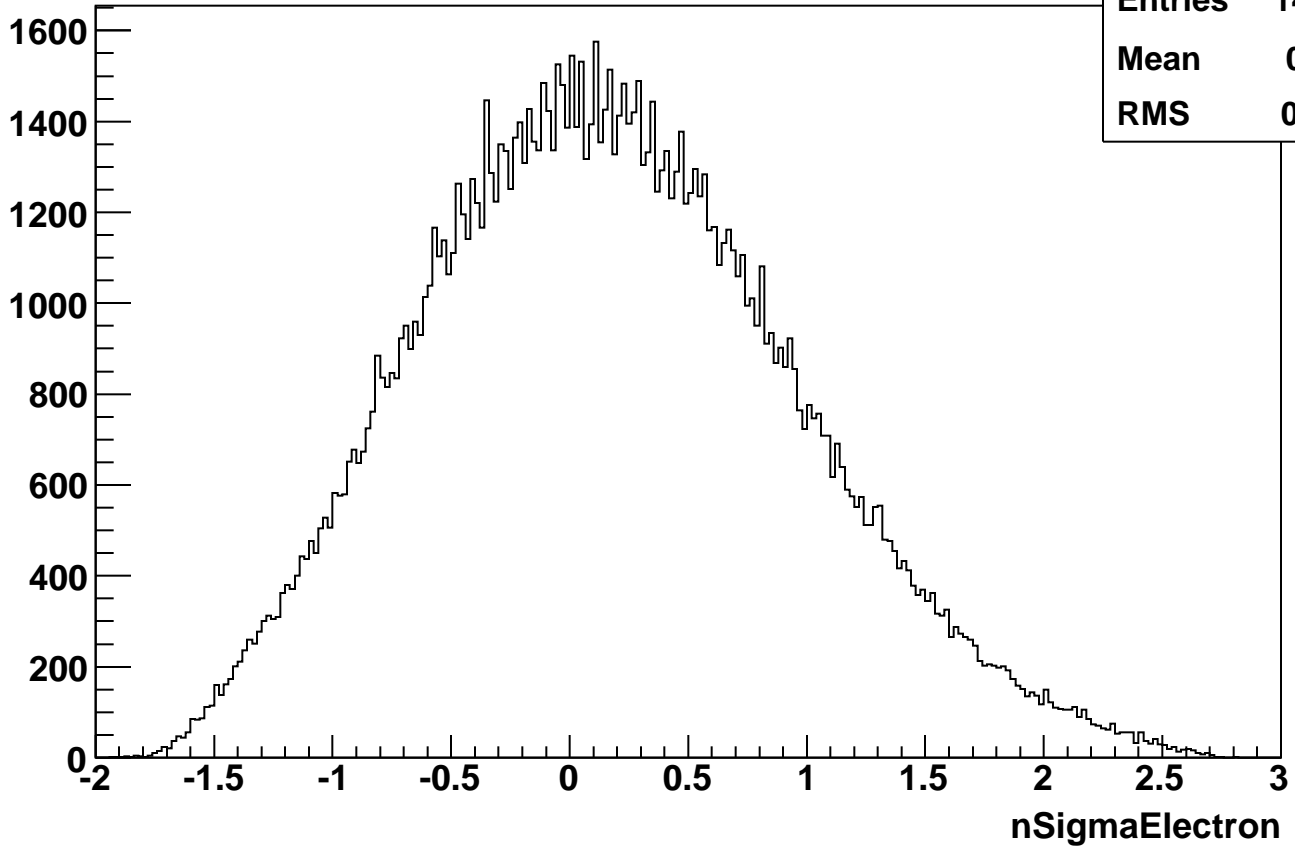
<b>Entries</b>	<b>337198</b>
<b>Mean</b>	<b>2.738</b>
<b>RMS</b>	<b>1.242</b>



### nSigmaElectron-pionCut-applied

nSigmaElectron\_7

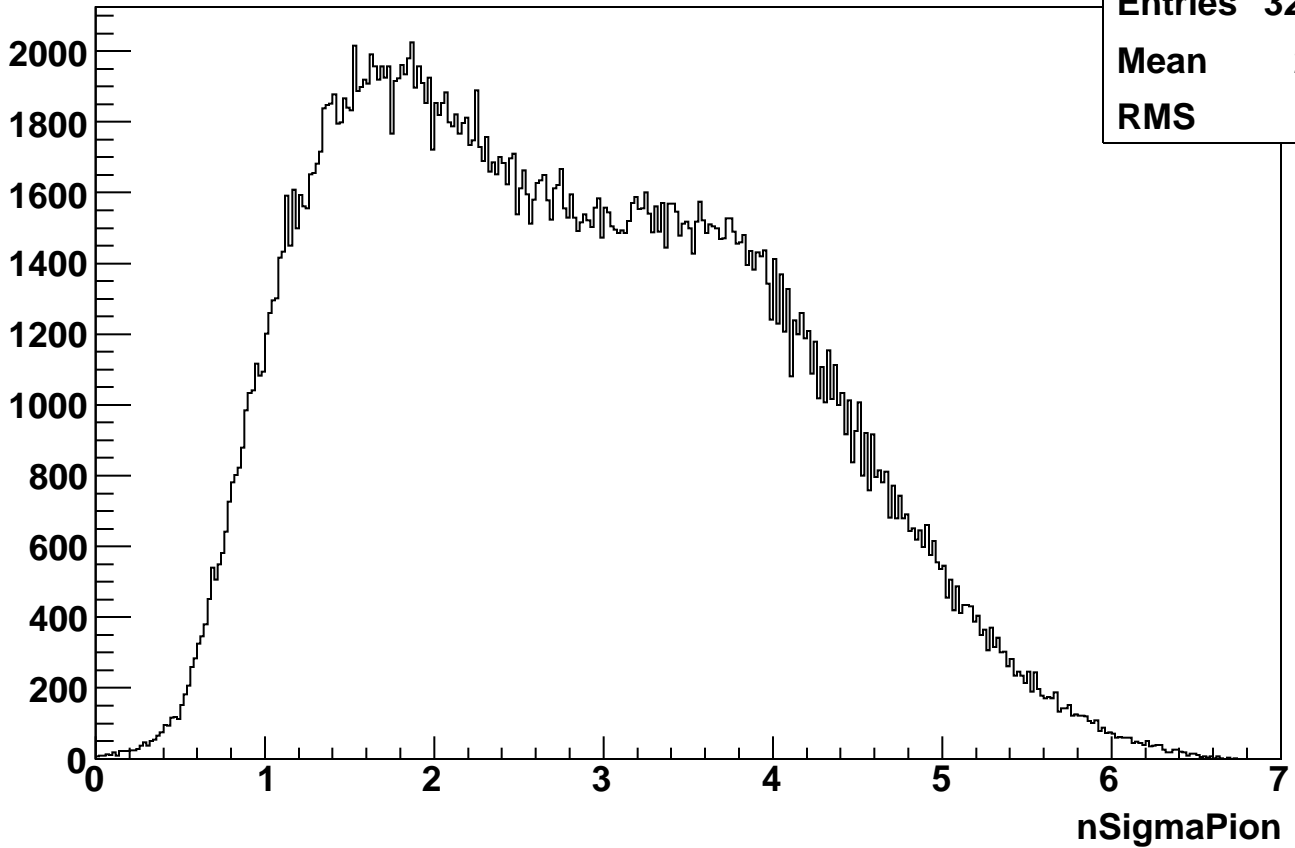
Entries	145318
Mean	0.1661
RMS	0.7807



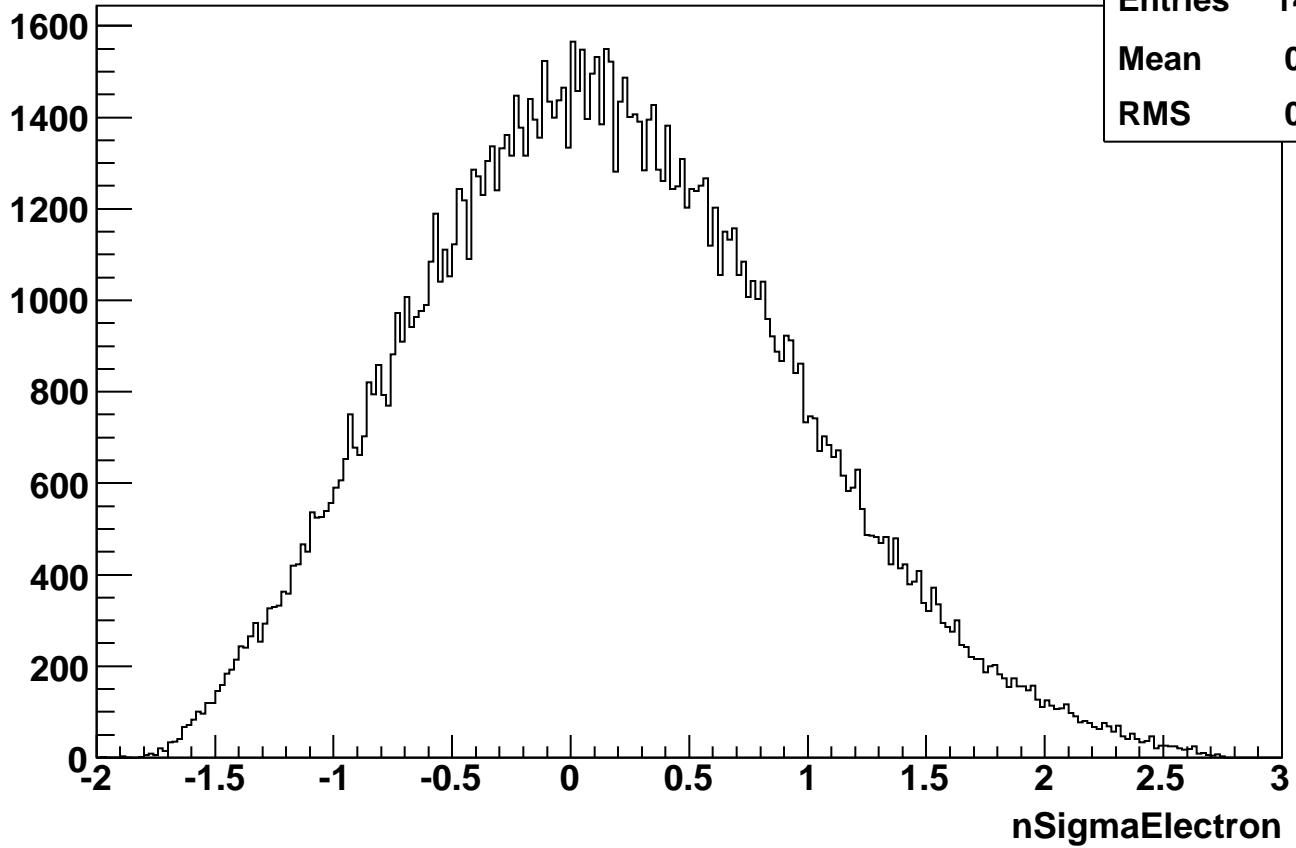
### nSigmaPion-ElectronCut-applied

nSigmaPion\_7

Entries	322400
Mean	2.769
RMS	1.239



### nSigmaElectron-pionCut-applied



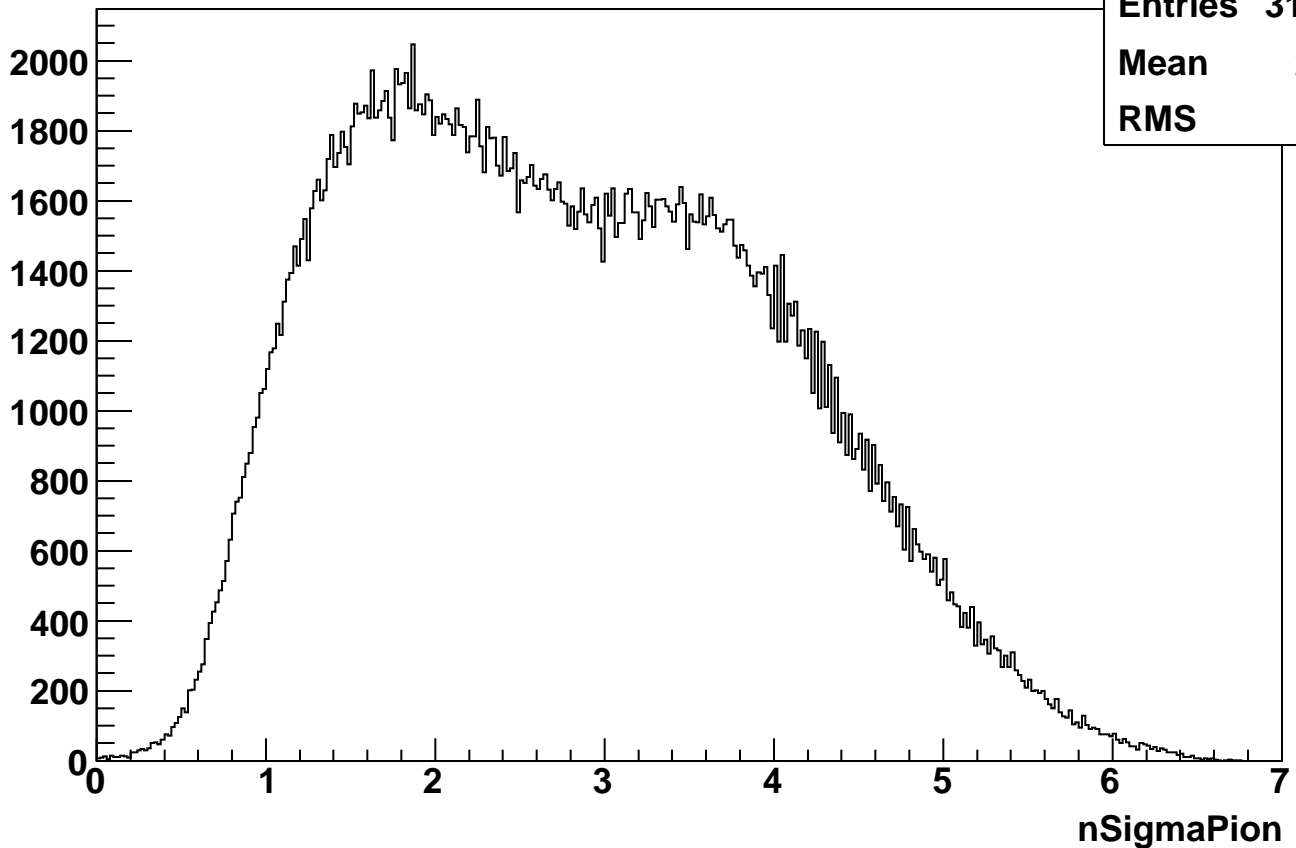
nSigmaElectron\_8

Entries 146257

Mean 0.1502

RMS 0.7796

### nSigmaPion-ElectronCut-applied



nSigmaPion\_8

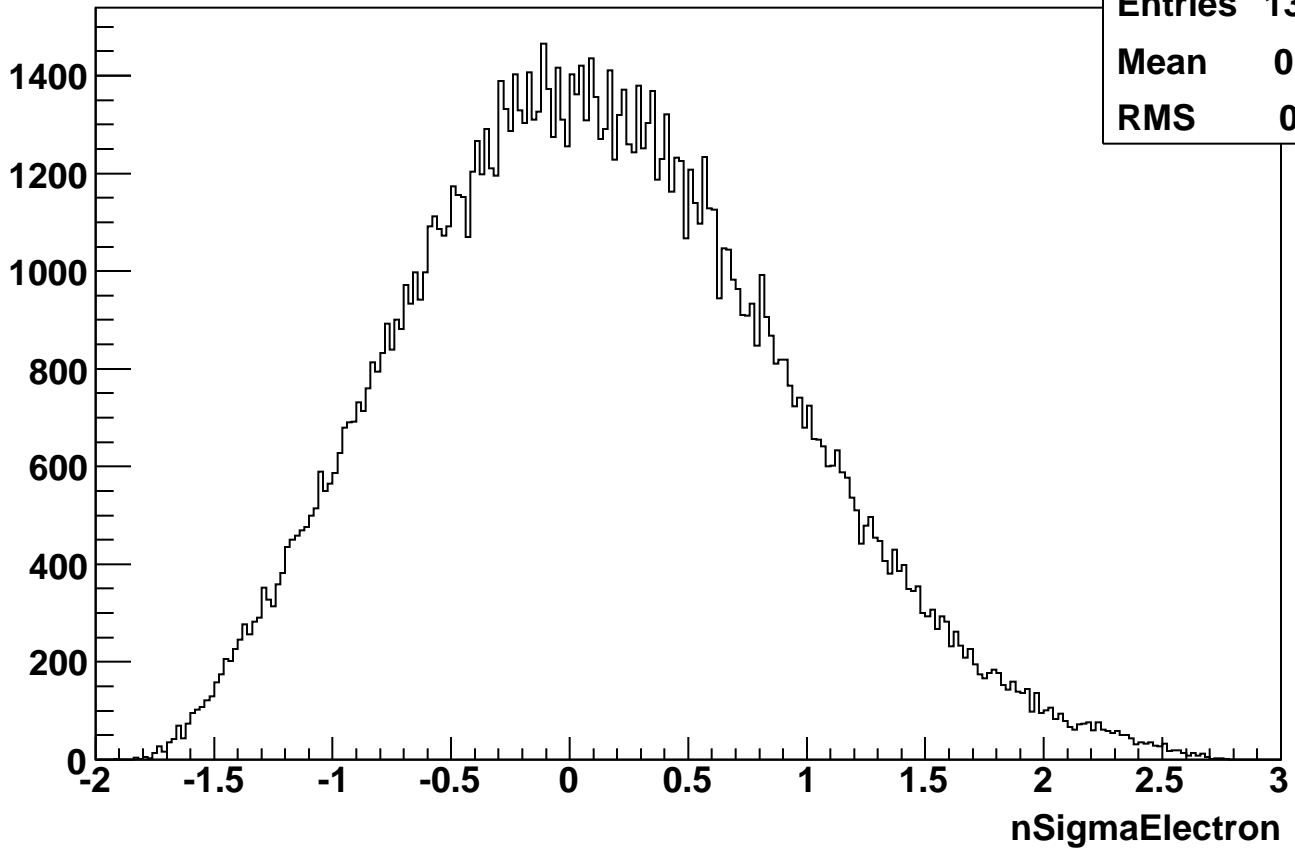
Entries 319012

Mean 2.789

RMS 1.219



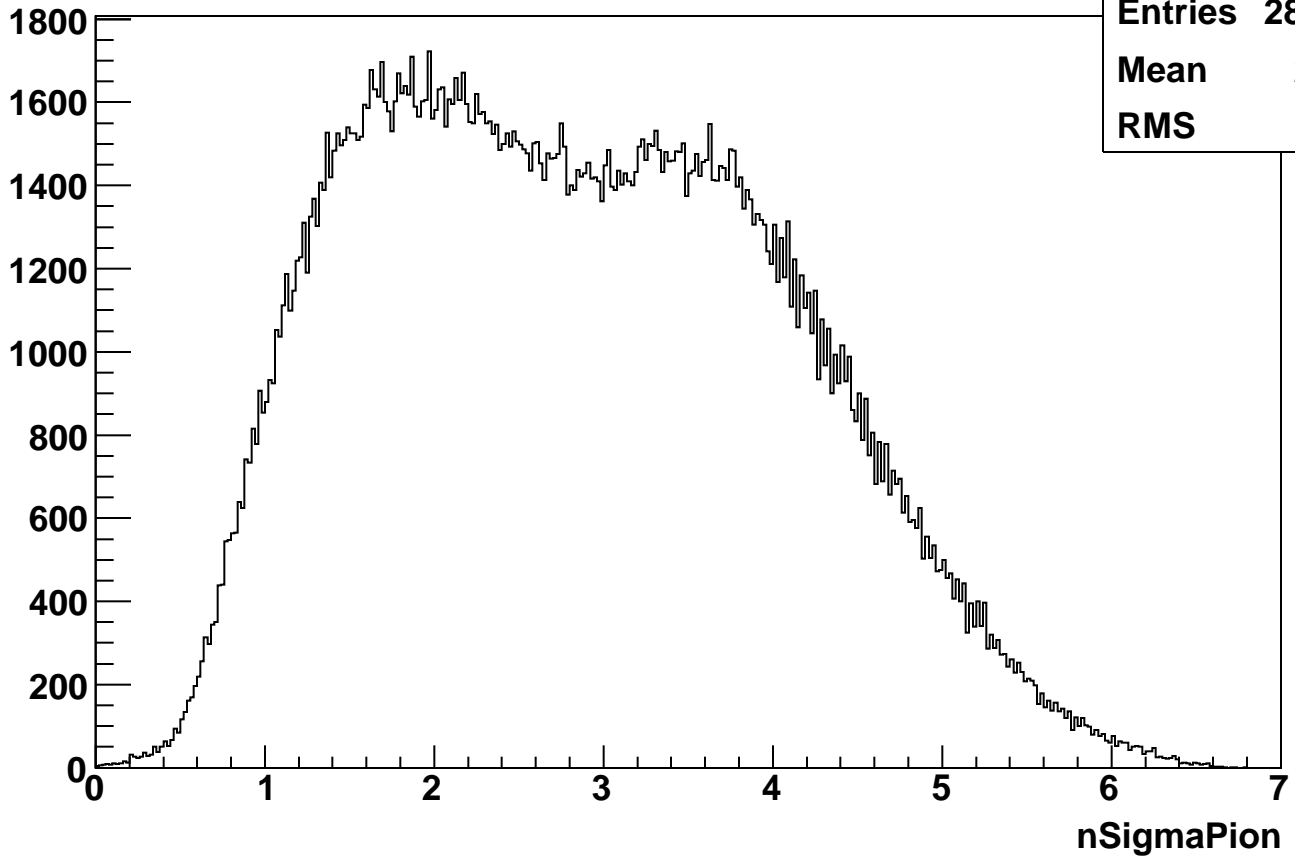
**nSigmaElectron-pionCut-applied**



**nSigmaElectron\_9**

<b>Entries</b>	<b>138779</b>
<b>Mean</b>	<b>0.1185</b>
<b>RMS</b>	<b>0.7821</b>

**nSigmaPion-ElectronCut-applied**



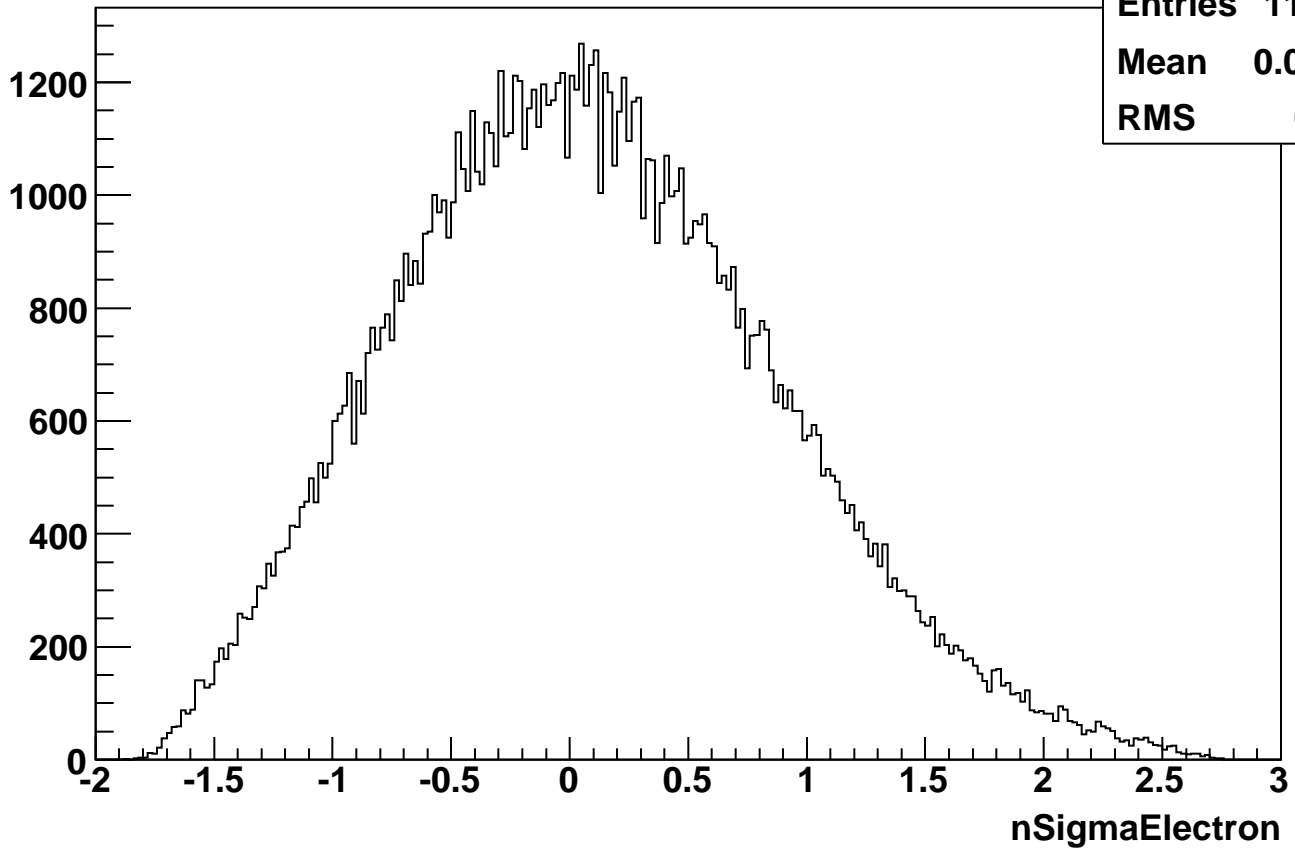
**nSigmaPion\_9**

<b>Entries</b>	<b>286899</b>
<b>Mean</b>	<b>2.847</b>
<b>RMS</b>	<b>1.221</b>

**nSigmaElectron-pionCut-applied**

**nSigmaElectron\_10**

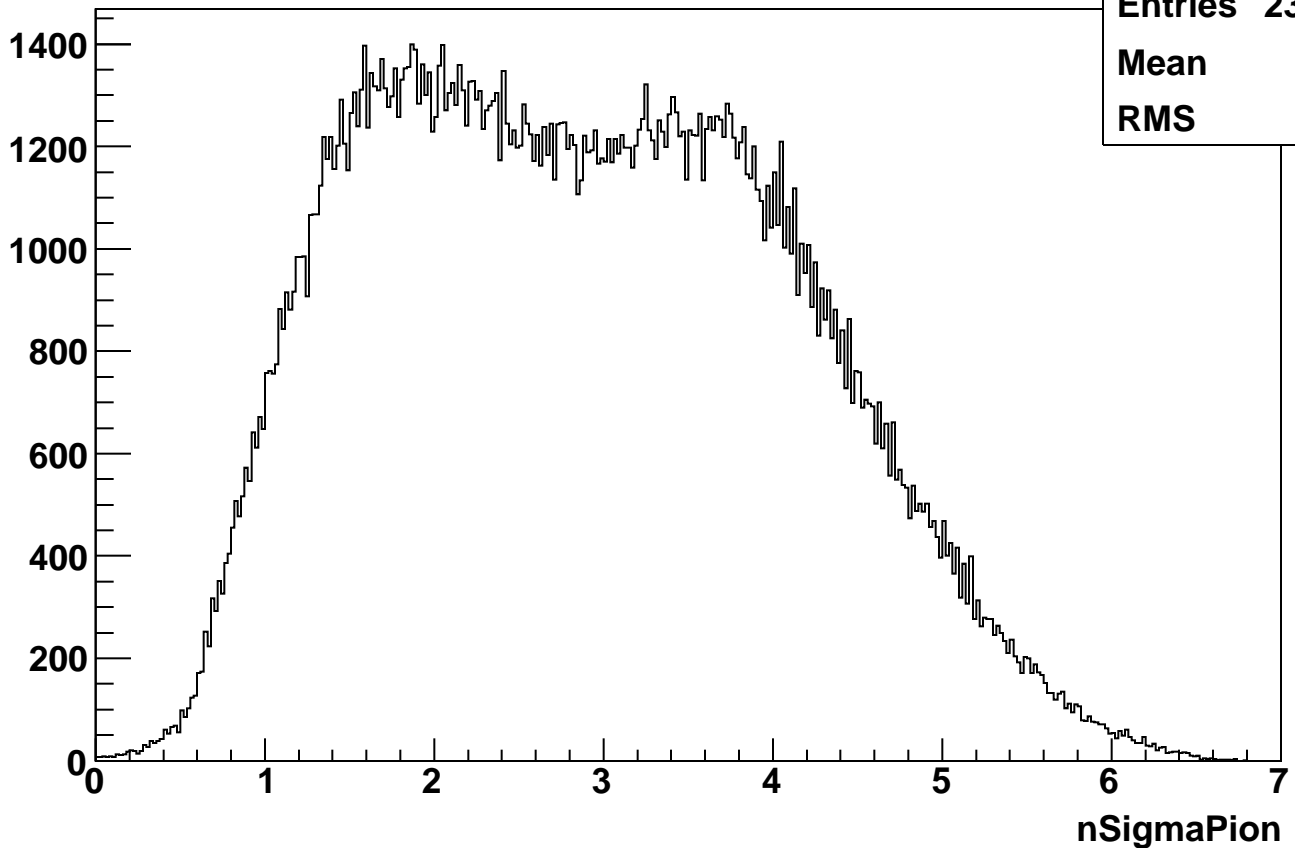
**Entries** 119946  
**Mean** 0.08068  
**RMS** 0.788



**nSigmaPion-ElectronCut-applied**

**nSigmaPion\_10**

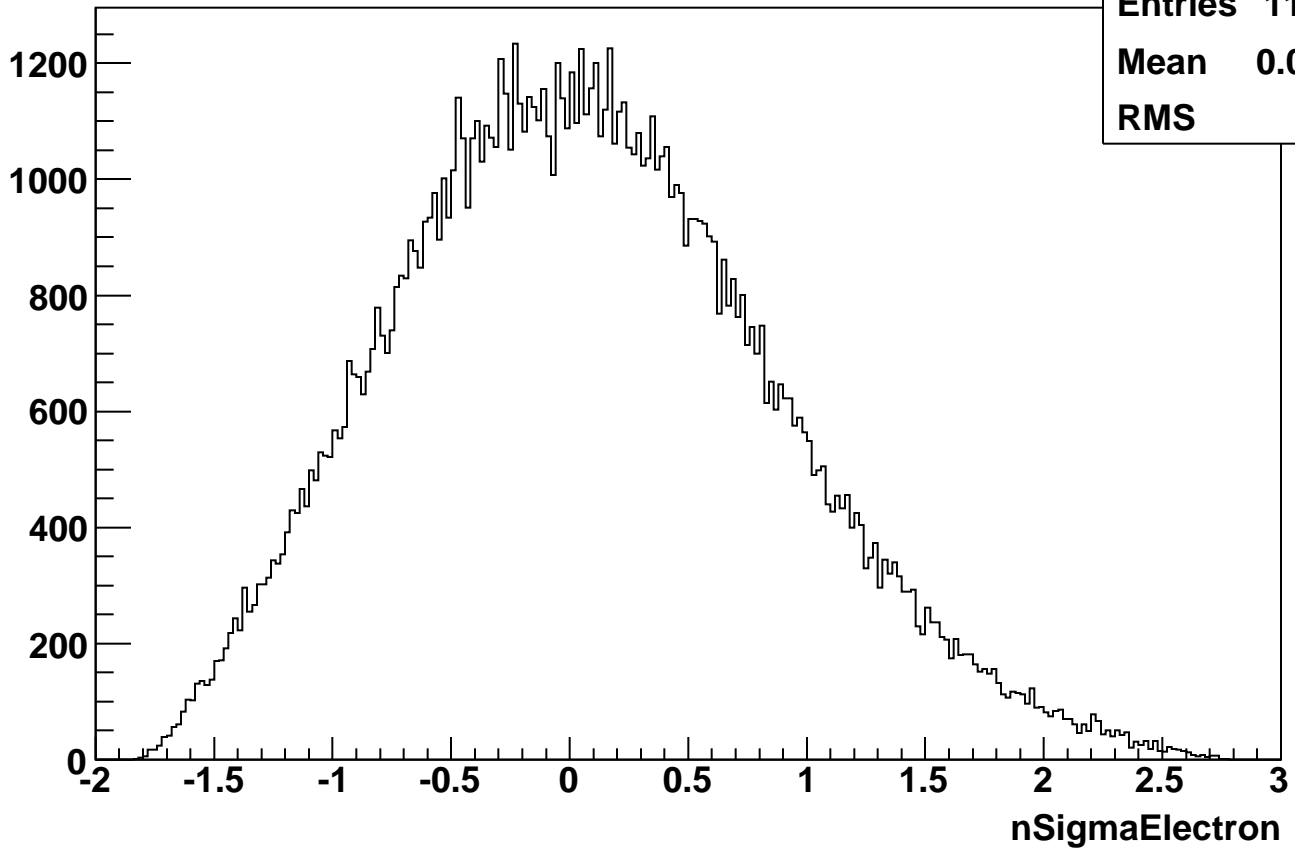
**Entries** 239075  
**Mean** 2.881  
**RMS** 1.224



**nSigmaElectron-pionCut-applied**

**nSigmaElectron\_11**

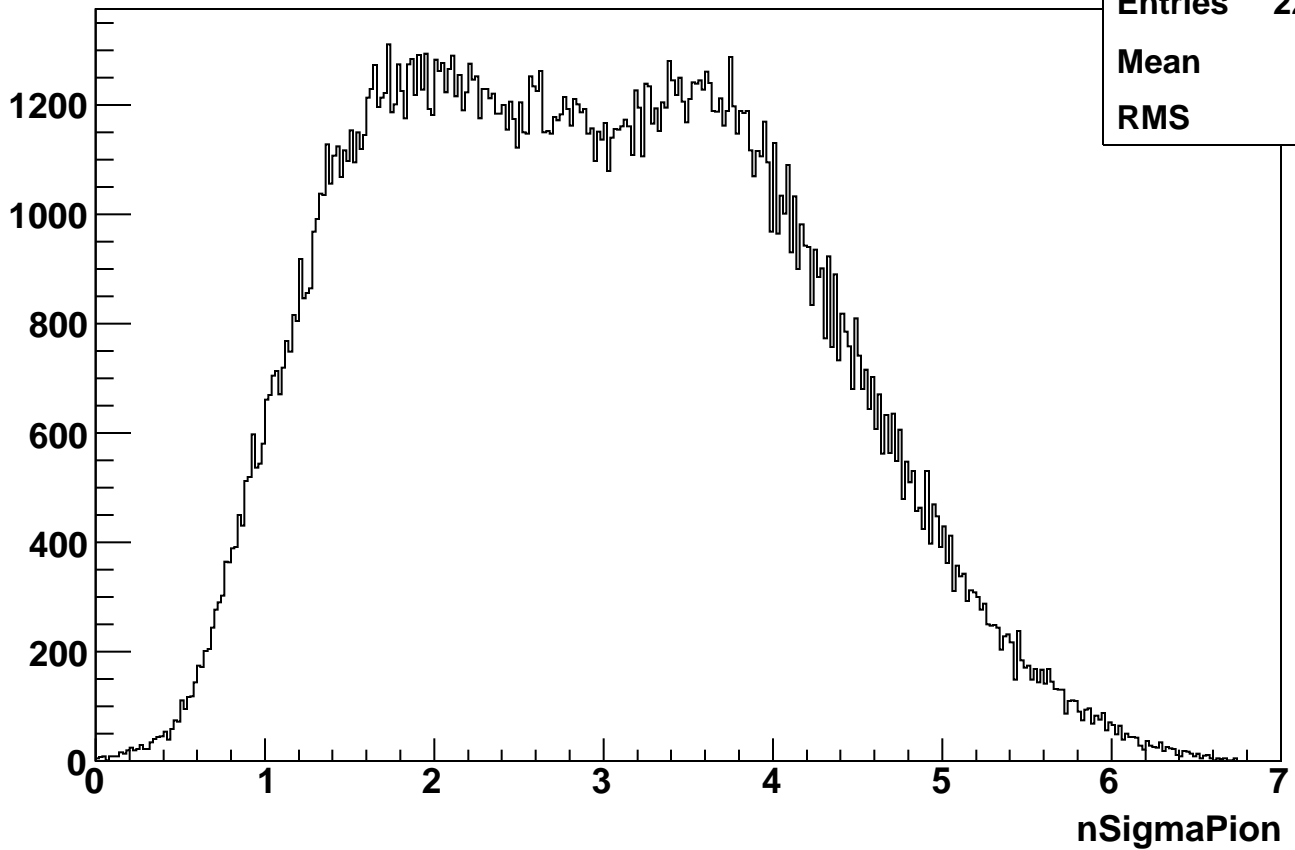
<b>Entries</b>	<b>117203</b>
<b>Mean</b>	<b>0.07214</b>
<b>RMS</b>	<b>0.79</b>



**nSigmaPion-ElectronCut-applied**

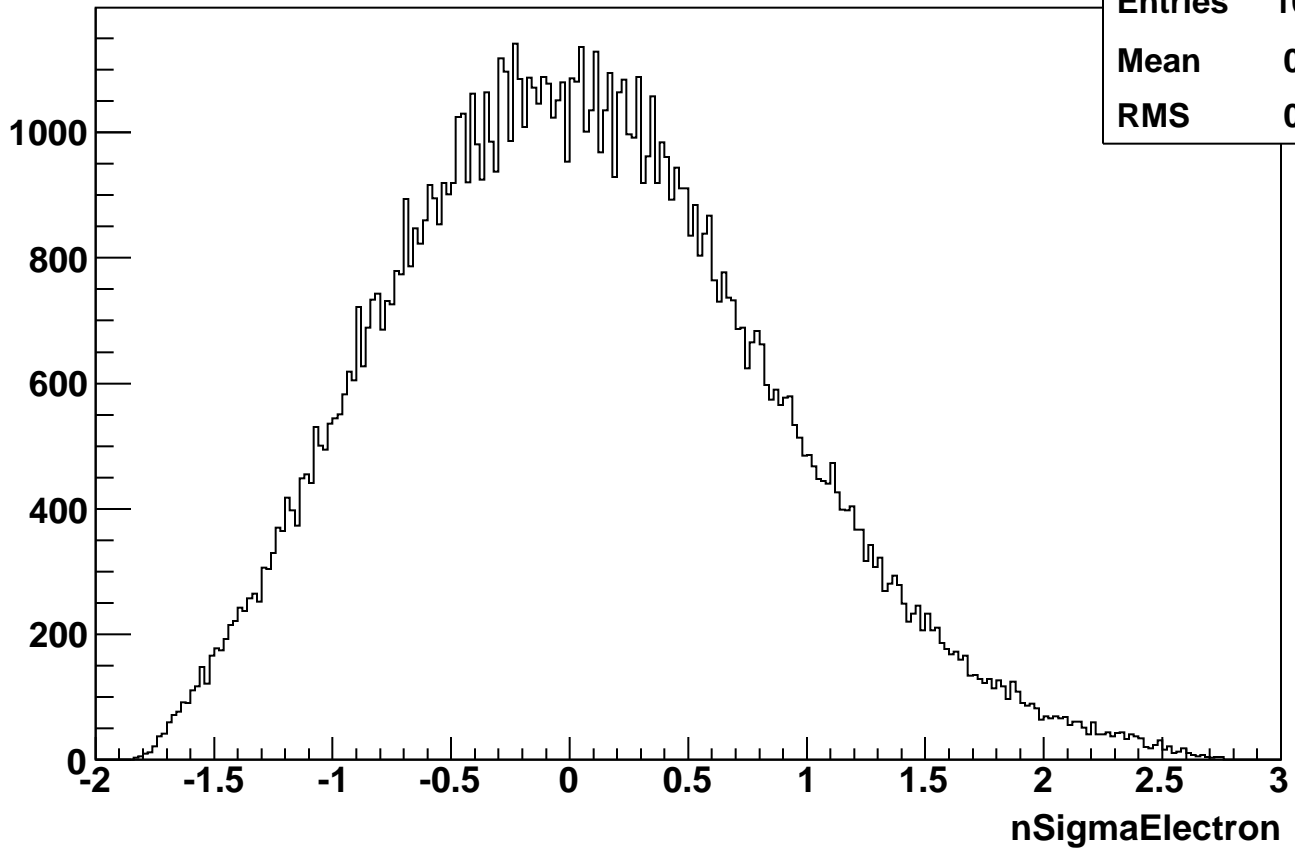
**nSigmaPion\_11**

<b>Entries</b>	<b>227817</b>
<b>Mean</b>	<b>2.913</b>
<b>RMS</b>	<b>1.216</b>



**nSigmaElectron-pionCut-applied**

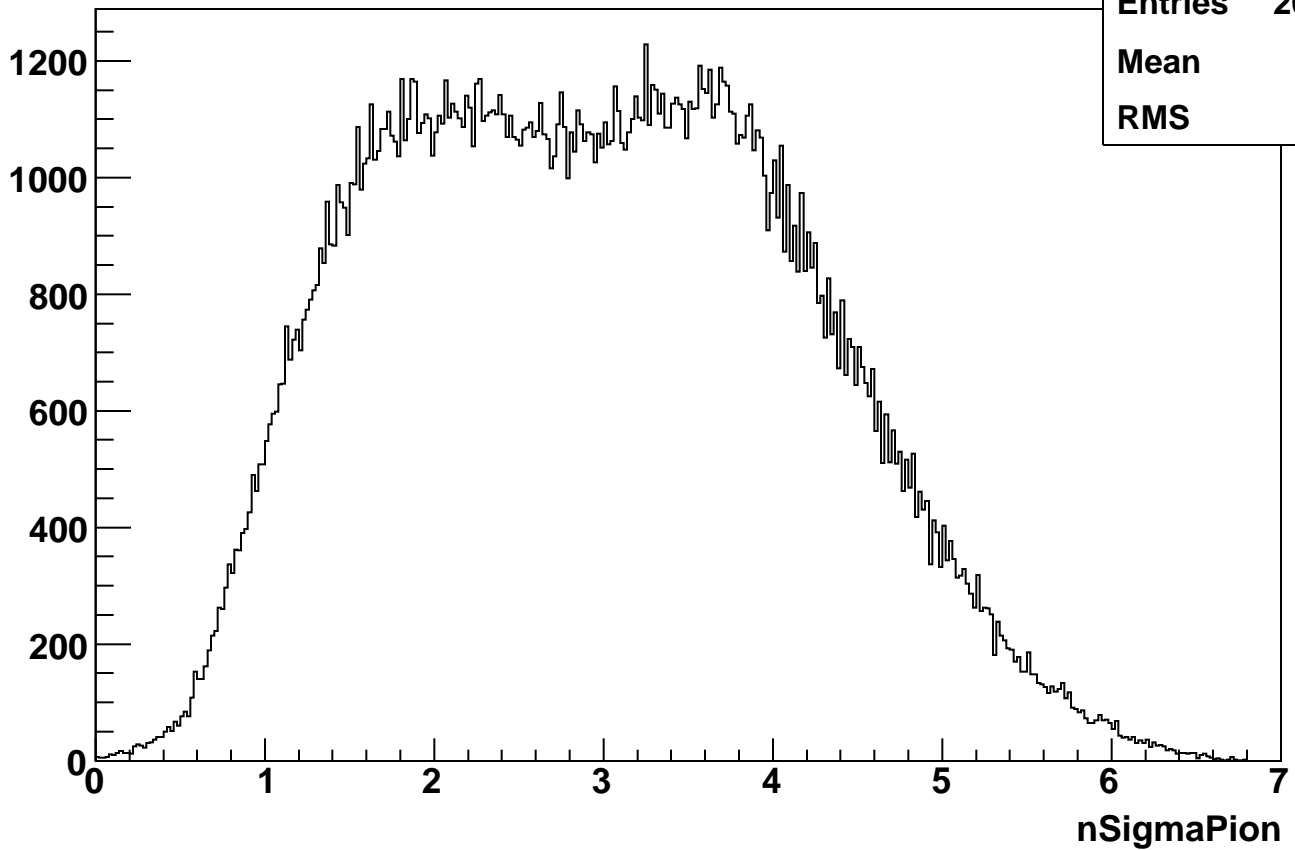
**nSigmaElectron\_12**



<b>Entries</b>	<b>109808</b>
<b>Mean</b>	<b>0.0503</b>
<b>RMS</b>	<b>0.7895</b>

**nSigmaPion-ElectronCut-applied**

**nSigmaPion\_12**

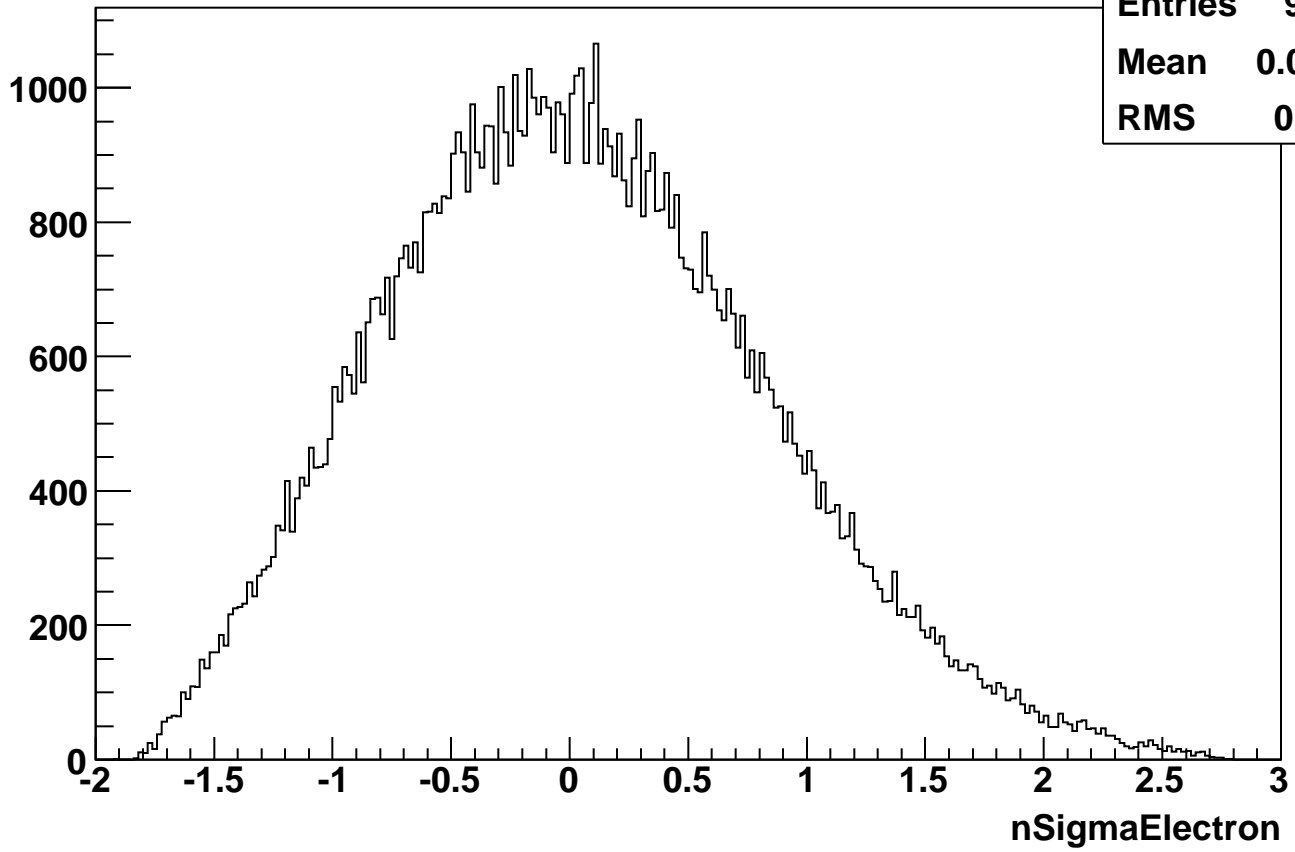


<b>Entries</b>	<b>207288</b>
<b>Mean</b>	<b>2.942</b>
<b>RMS</b>	<b>1.212</b>

**nSigmaElectron-pionCut-applied**

**nSigmaElectron\_13**

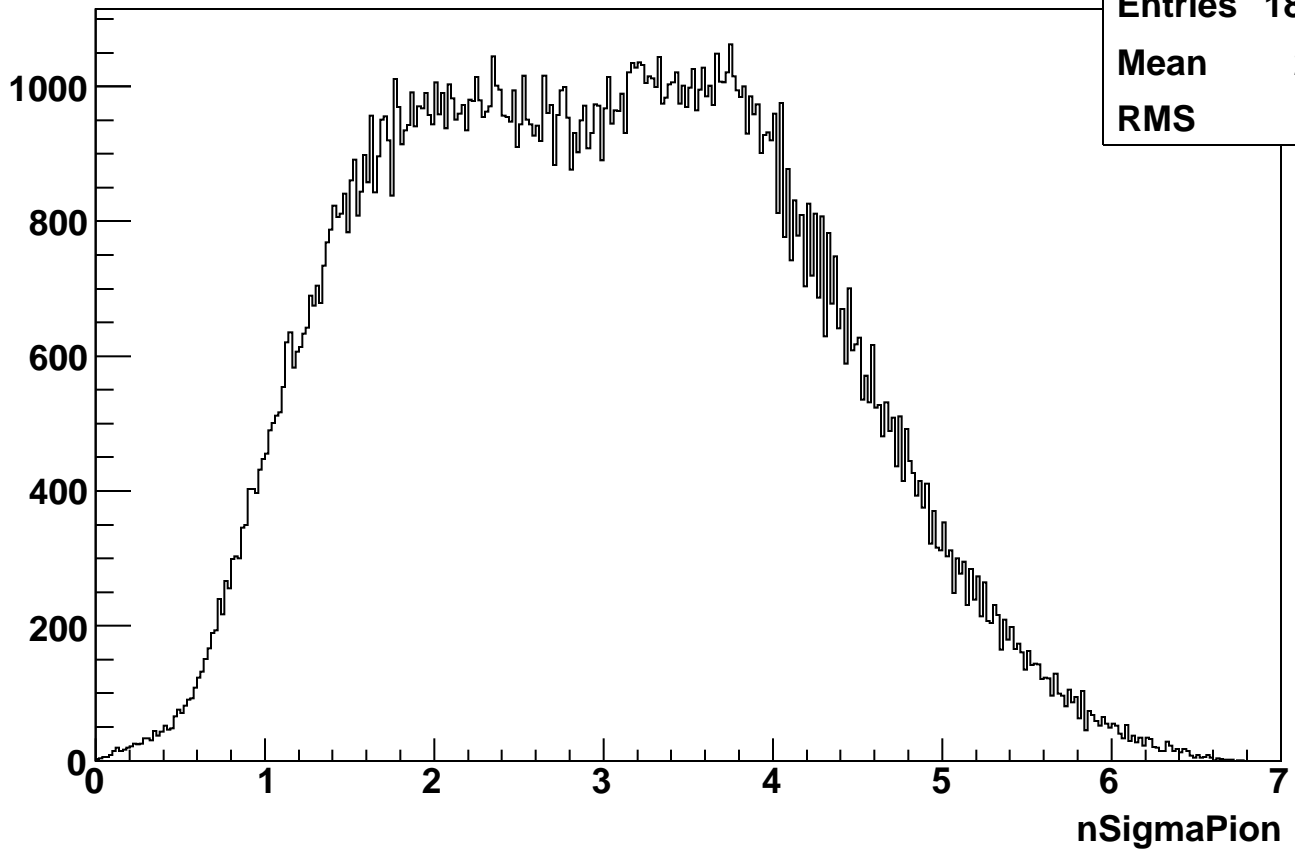
<b>Entries</b>	<b>99122</b>
<b>Mean</b>	<b>0.03095</b>
<b>RMS</b>	<b>0.7922</b>



**nSigmaPion-ElectronCut-applied**

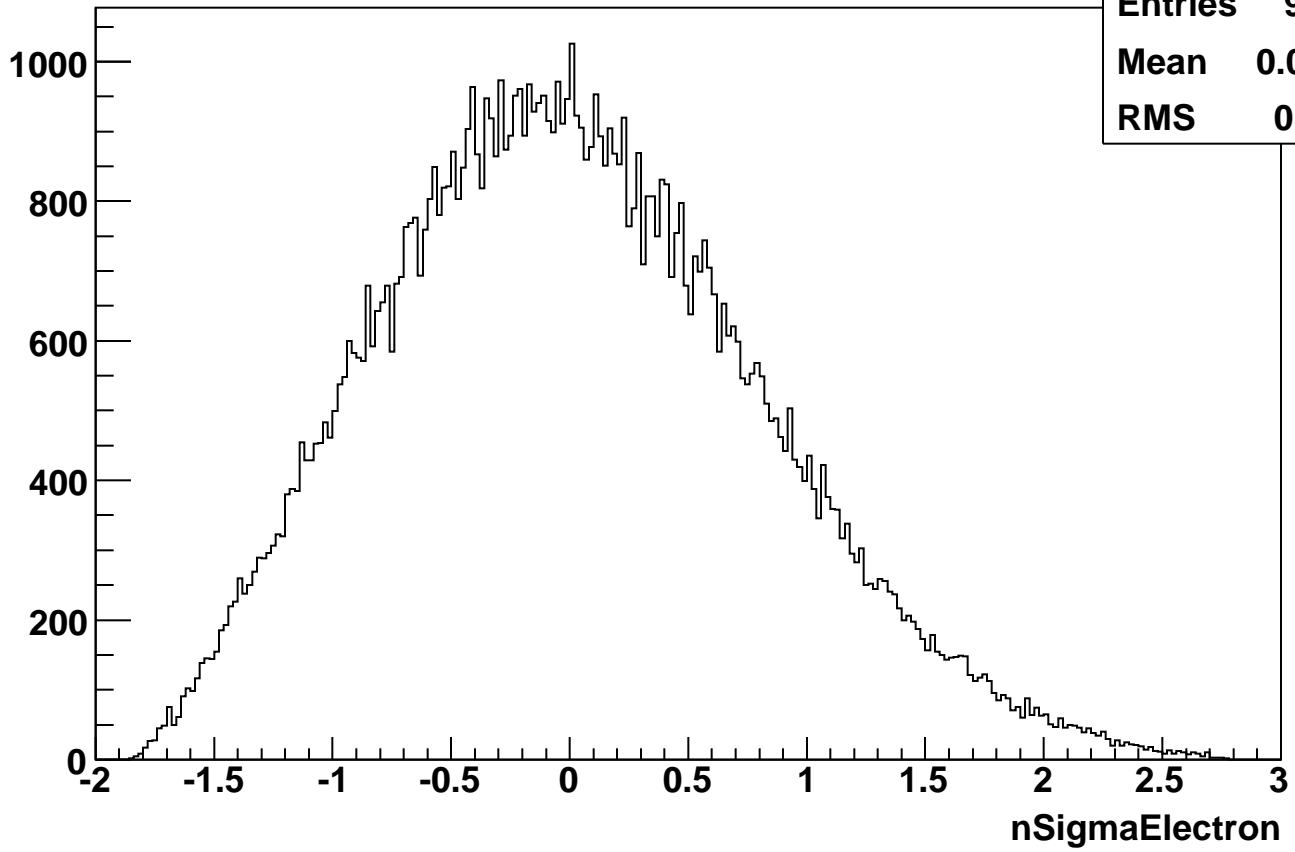
**nSigmaPion\_13**

<b>Entries</b>	<b>183199</b>
<b>Mean</b>	<b>2.962</b>
<b>RMS</b>	<b>1.212</b>



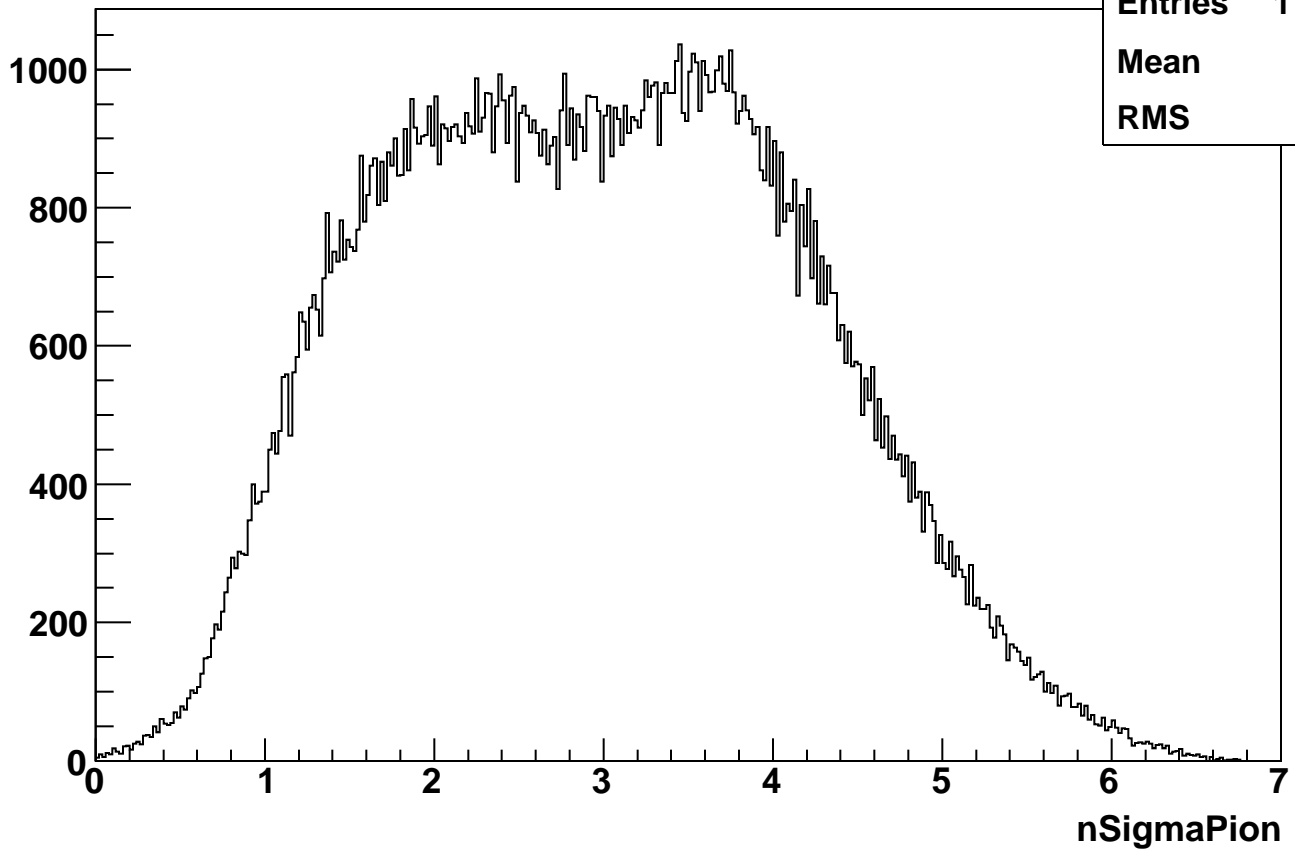
**nSigmaElectron-pionCut-applied**

**nSigmaElectron\_14**

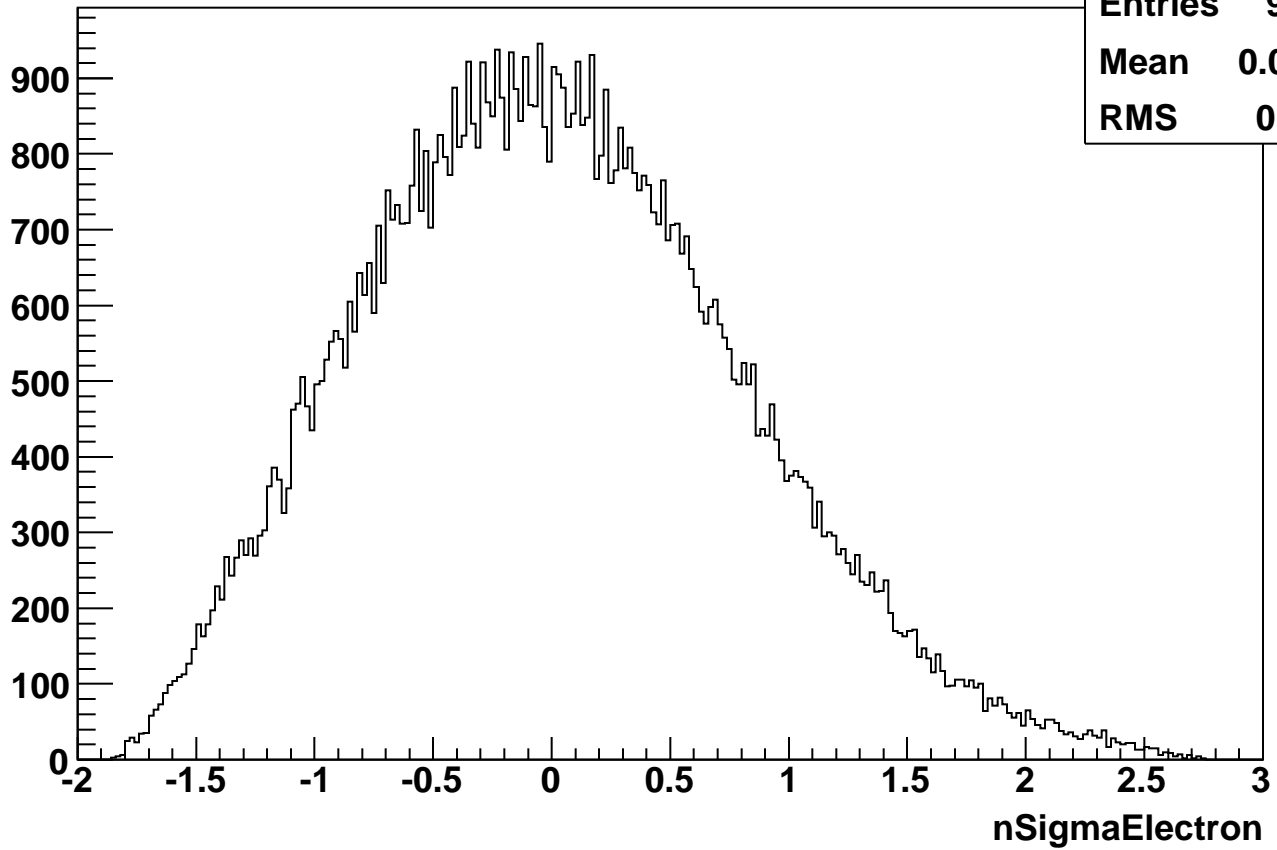


**nSigmaPion-ElectronCut-applied**

**nSigmaPion\_14**



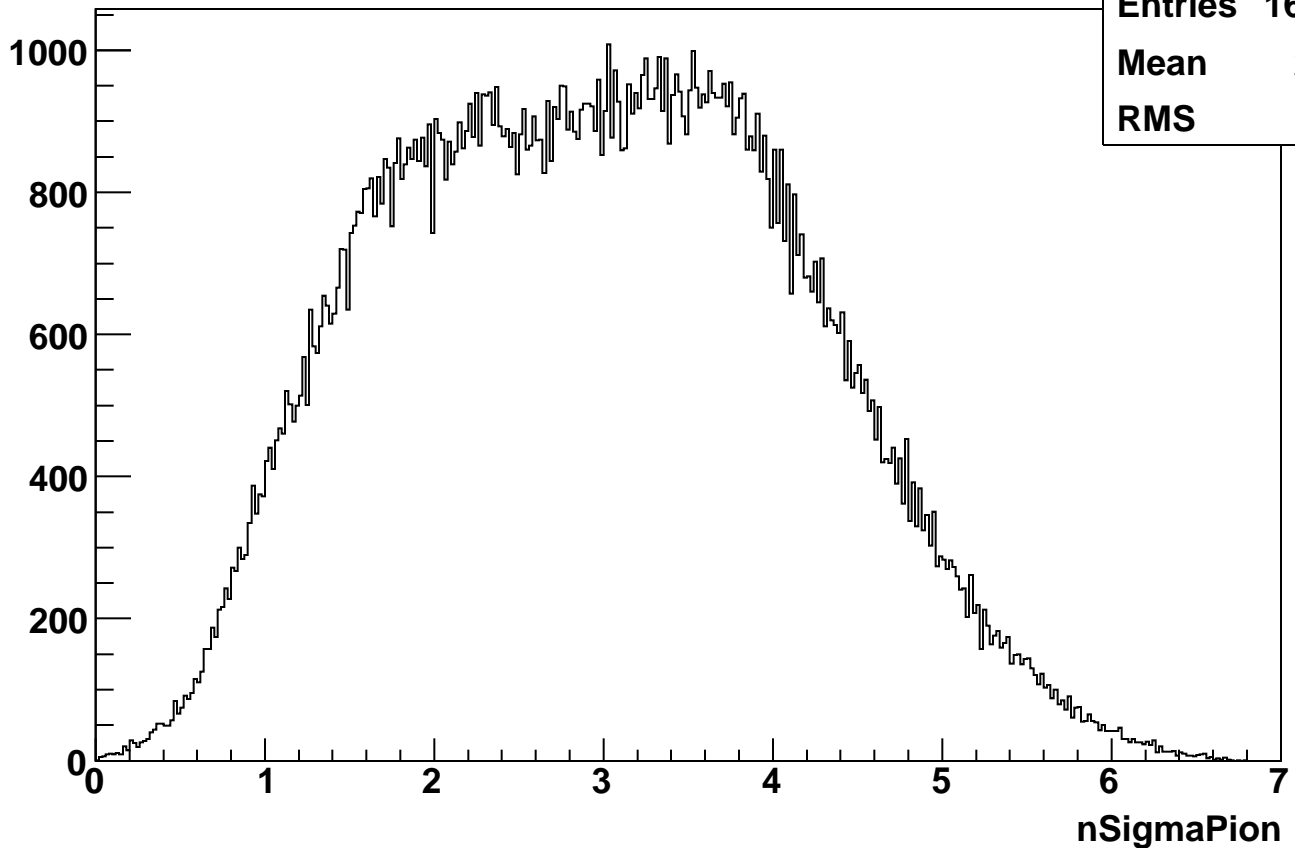
**nSigmaElectron-pionCut-applied**



**nSigmaElectron\_15**

<b>Entries</b>	<b>90679</b>
<b>Mean</b>	<b>0.01206</b>
<b>RMS</b>	<b>0.7898</b>

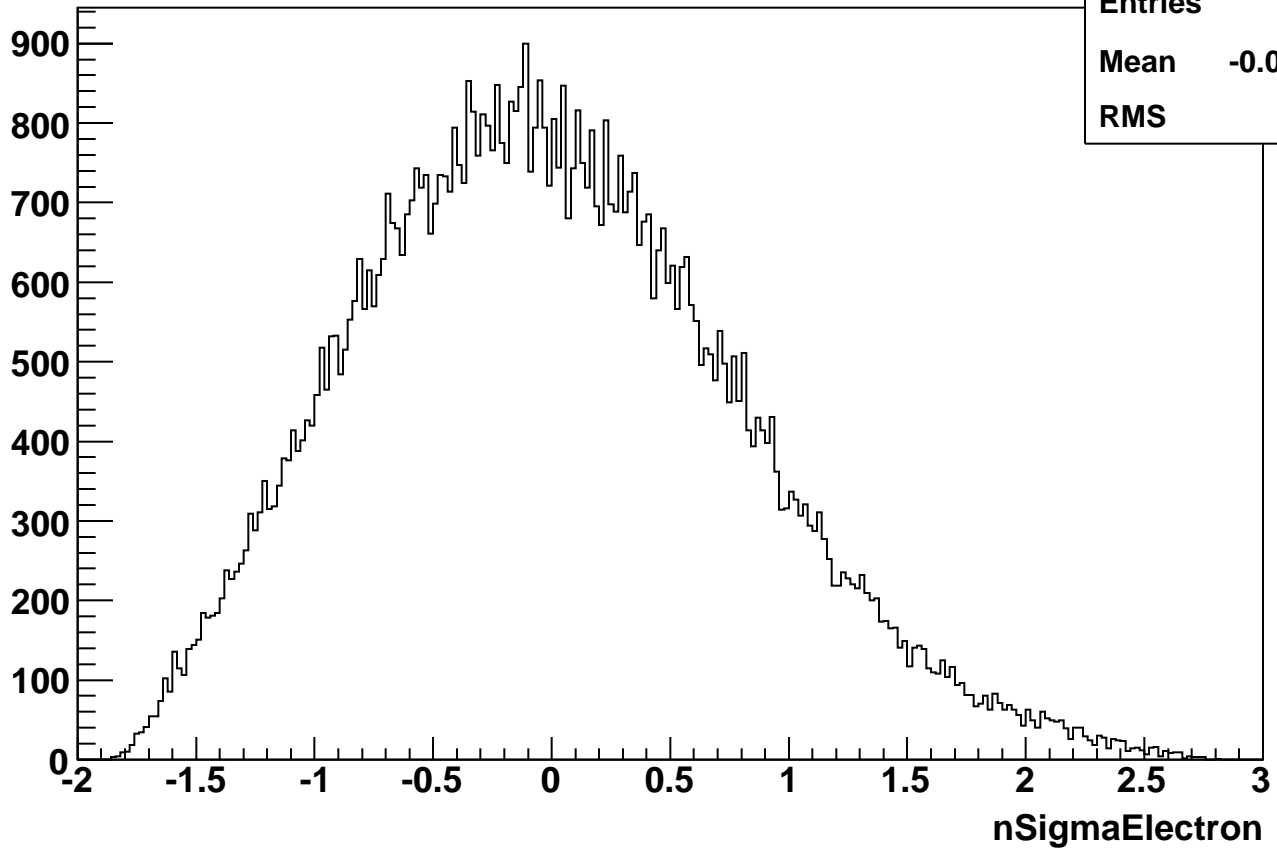
**nSigmaPion-ElectronCut-applied**



**nSigmaPion\_15**

<b>Entries</b>	<b>166072</b>
<b>Mean</b>	<b>2.964</b>
<b>RMS</b>	<b>1.196</b>

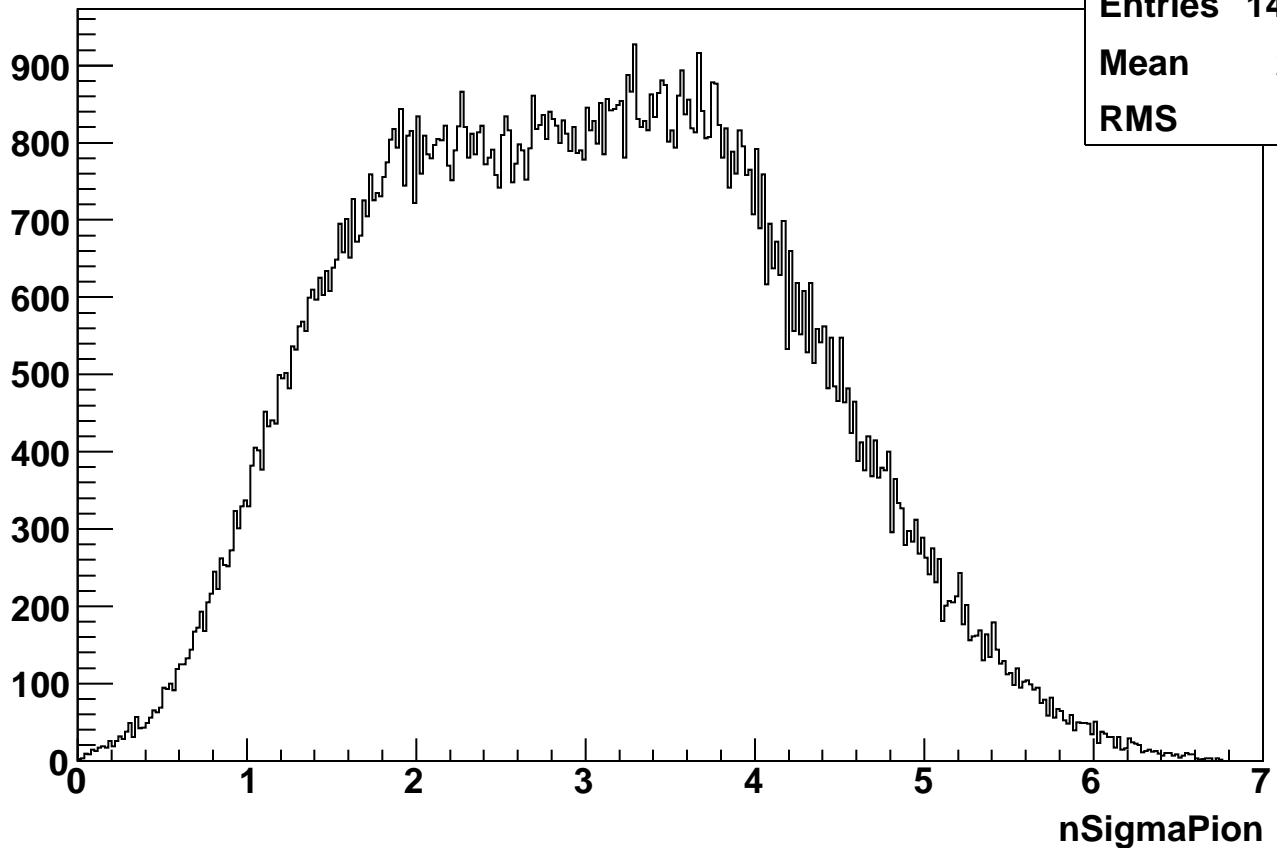
**nSigmaElectron-pionCut-applied**



**nSigmaElectron\_16**

Entries	82194
Mean	-0.006832
RMS	0.795

**nSigmaPion-ElectronCut-applied**

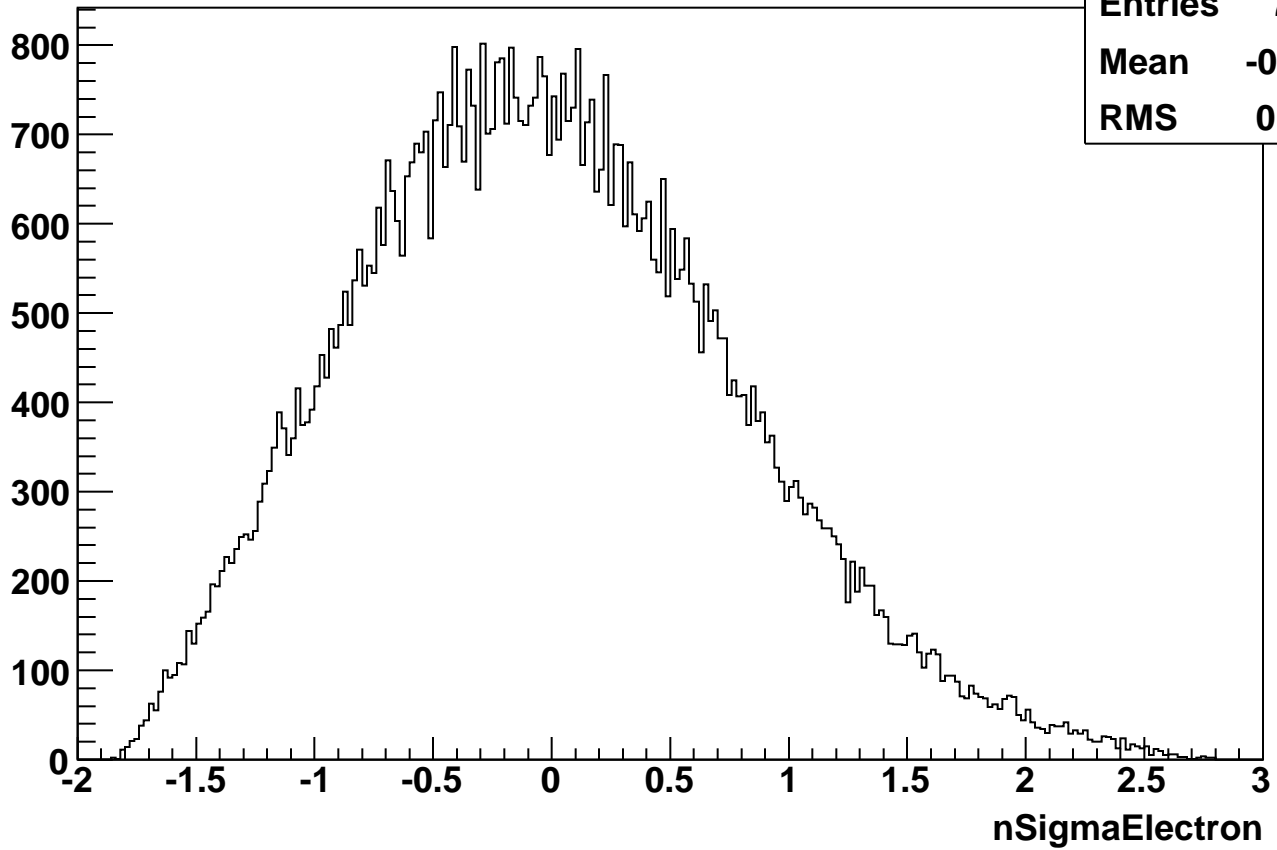


**nSigmaPion\_16**

Entries	149583
Mean	2.964
RMS	1.202



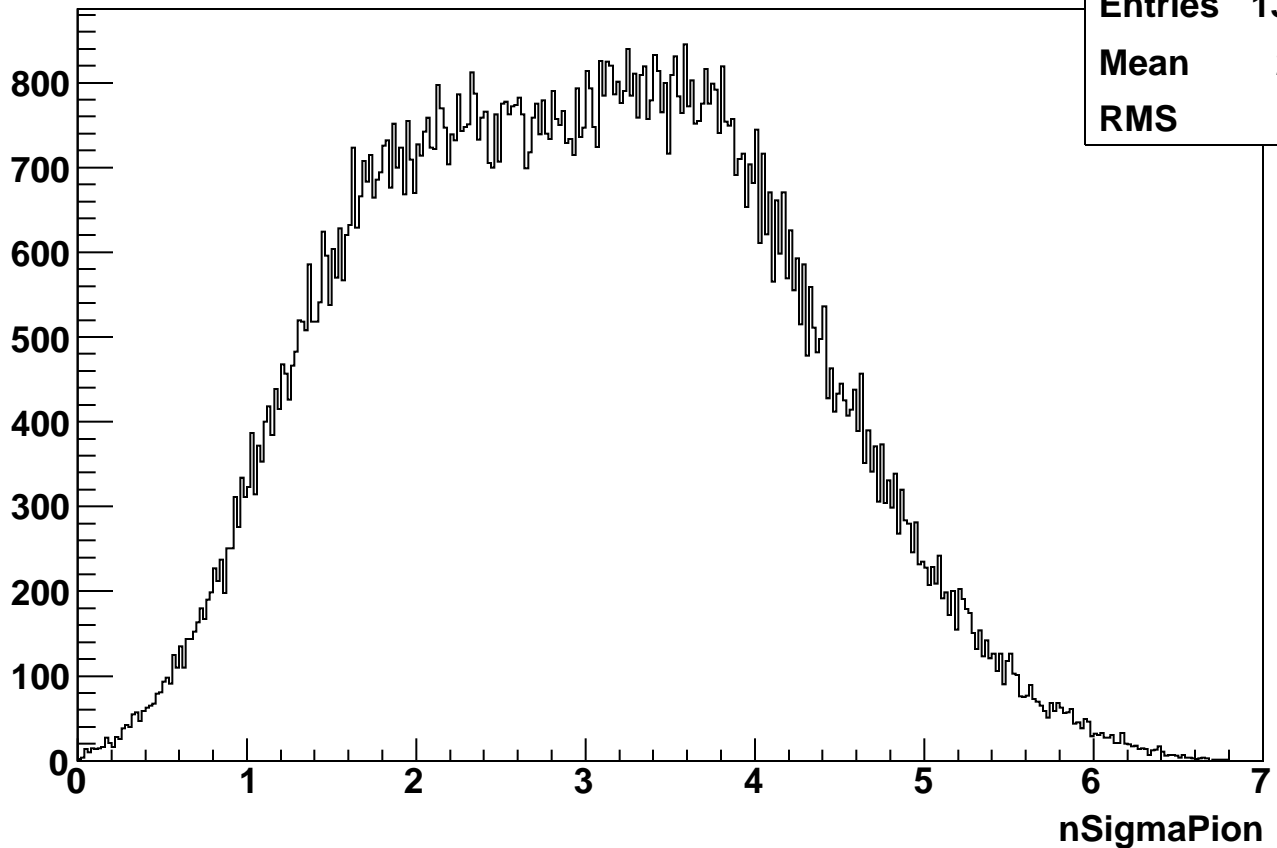
**nSigmaElectron-pionCut-applied**



**nSigmaElectron\_17**

<b>Entries</b>	<b>76691</b>
<b>Mean</b>	<b>-0.0159</b>
<b>RMS</b>	<b>0.7942</b>

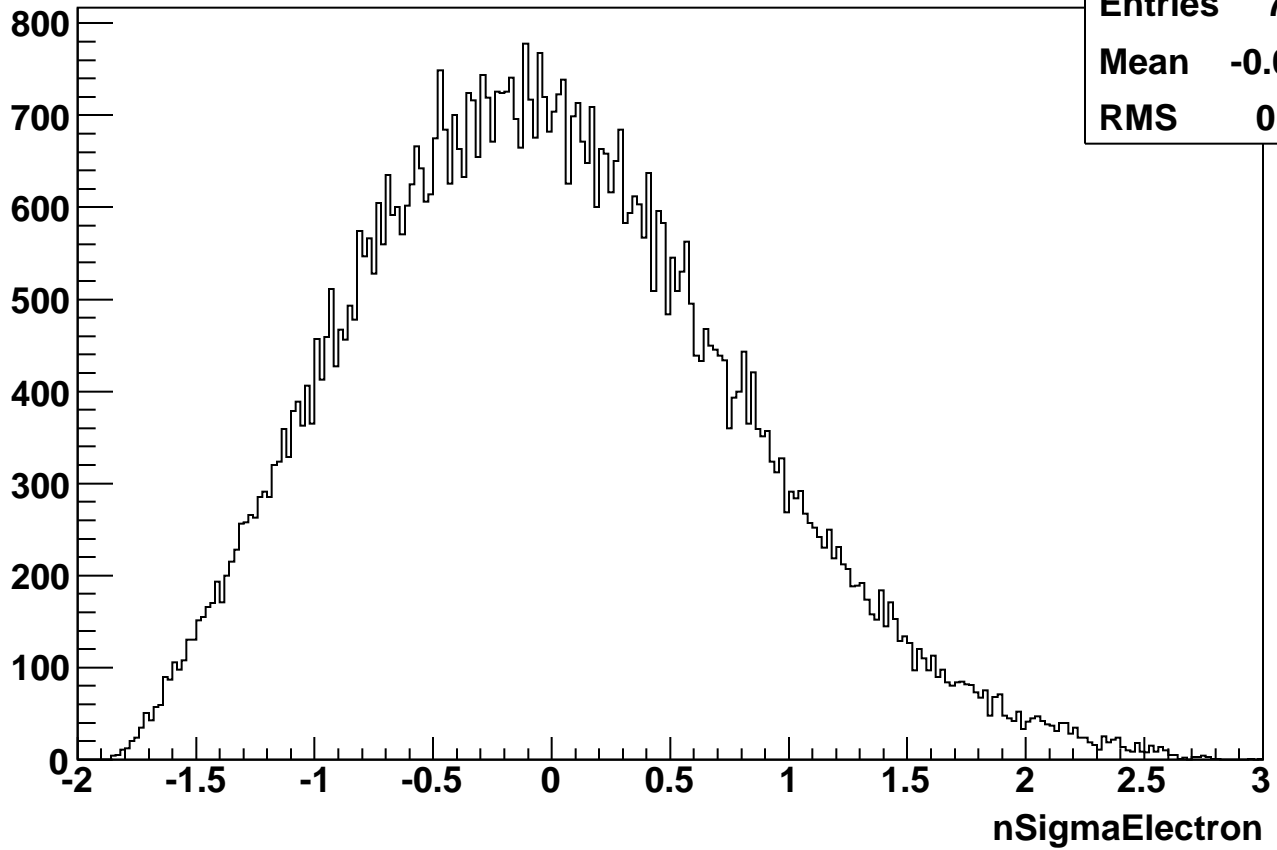
**nSigmaPion-ElectronCut-applied**



**nSigmaPion\_17**

<b>Entries</b>	<b>139361</b>
<b>Mean</b>	<b>2.957</b>
<b>RMS</b>	<b>1.198</b>

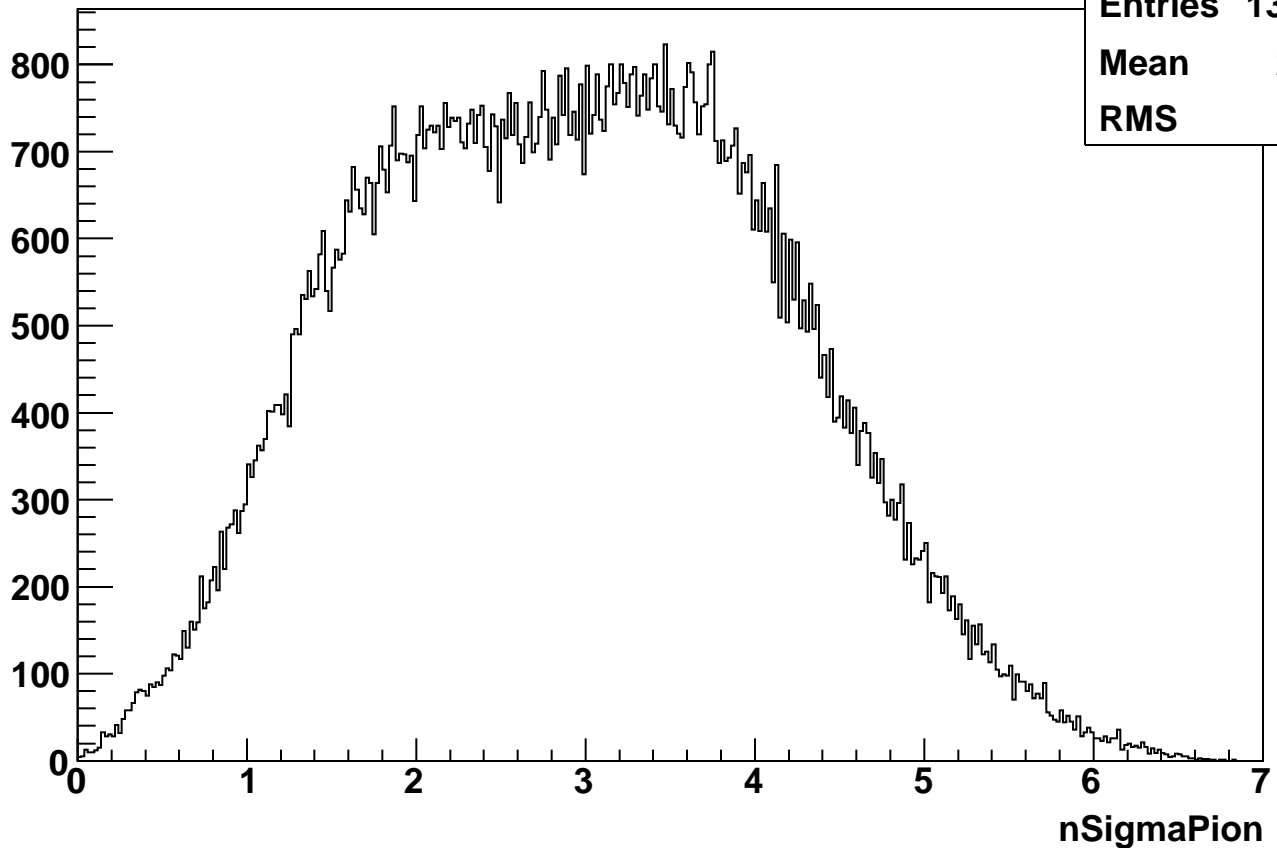
**nSigmaElectron-pionCut-applied**



**nSigmaElectron\_18**

<b>Entries</b>	<b>73360</b>
<b>Mean</b>	<b>-0.02141</b>
<b>RMS</b>	<b>0.7936</b>

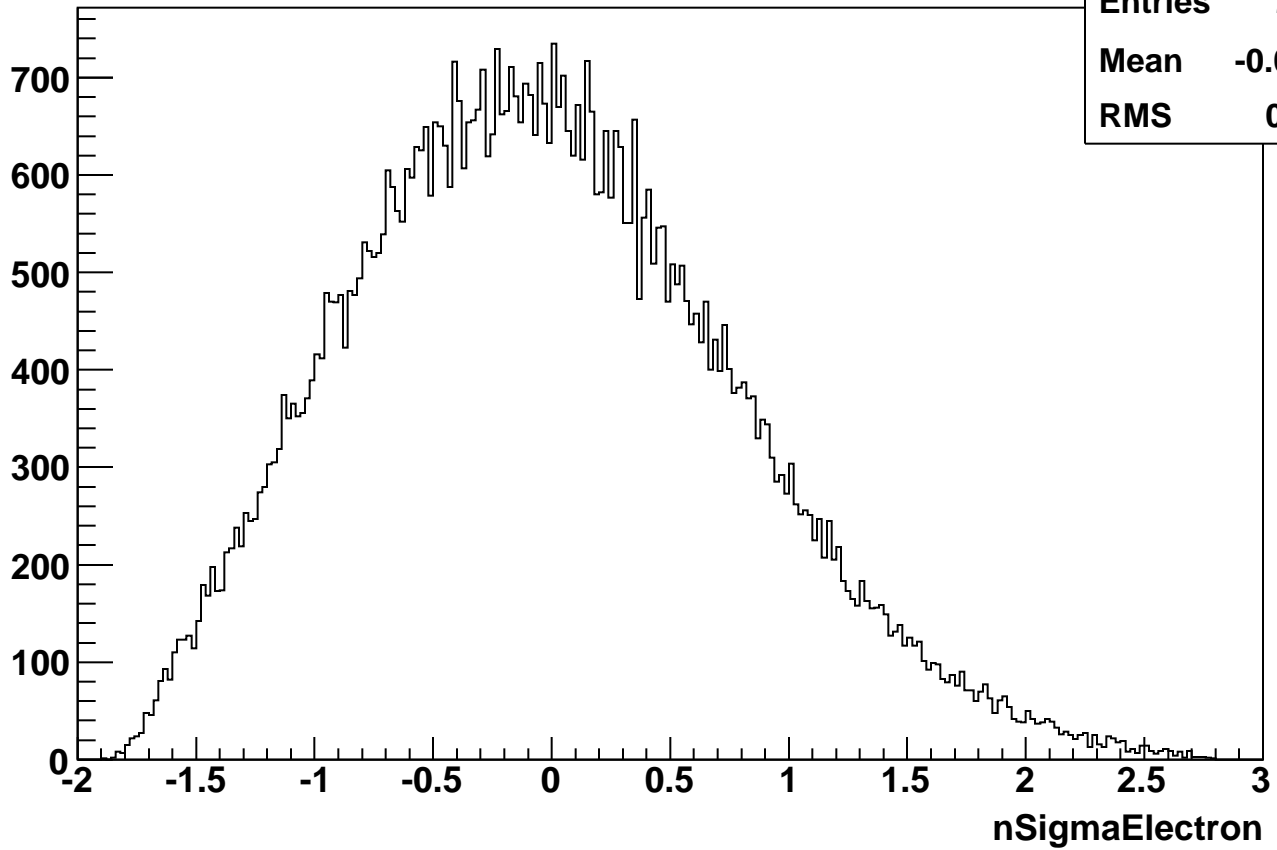
**nSigmaPion-ElectronCut-applied**



**nSigmaPion\_18**

<b>Entries</b>	<b>134869</b>
<b>Mean</b>	<b>2.936</b>
<b>RMS</b>	<b>1.202</b>

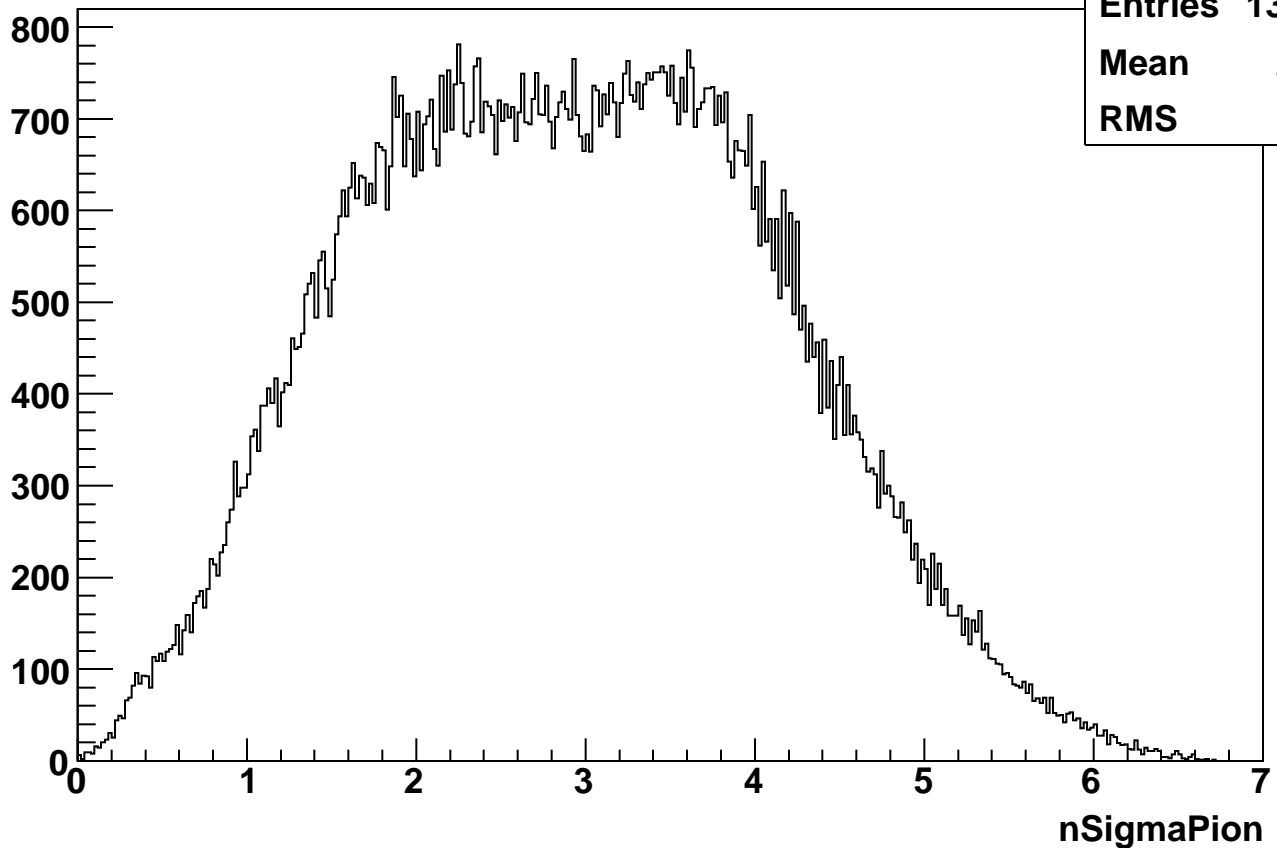
**nSigmaElectron-pionCut-applied**



**nSigmaElectron\_19**

<b>Entries</b>	<b>70190</b>
<b>Mean</b>	<b>-0.03062</b>
<b>RMS</b>	<b>0.7973</b>

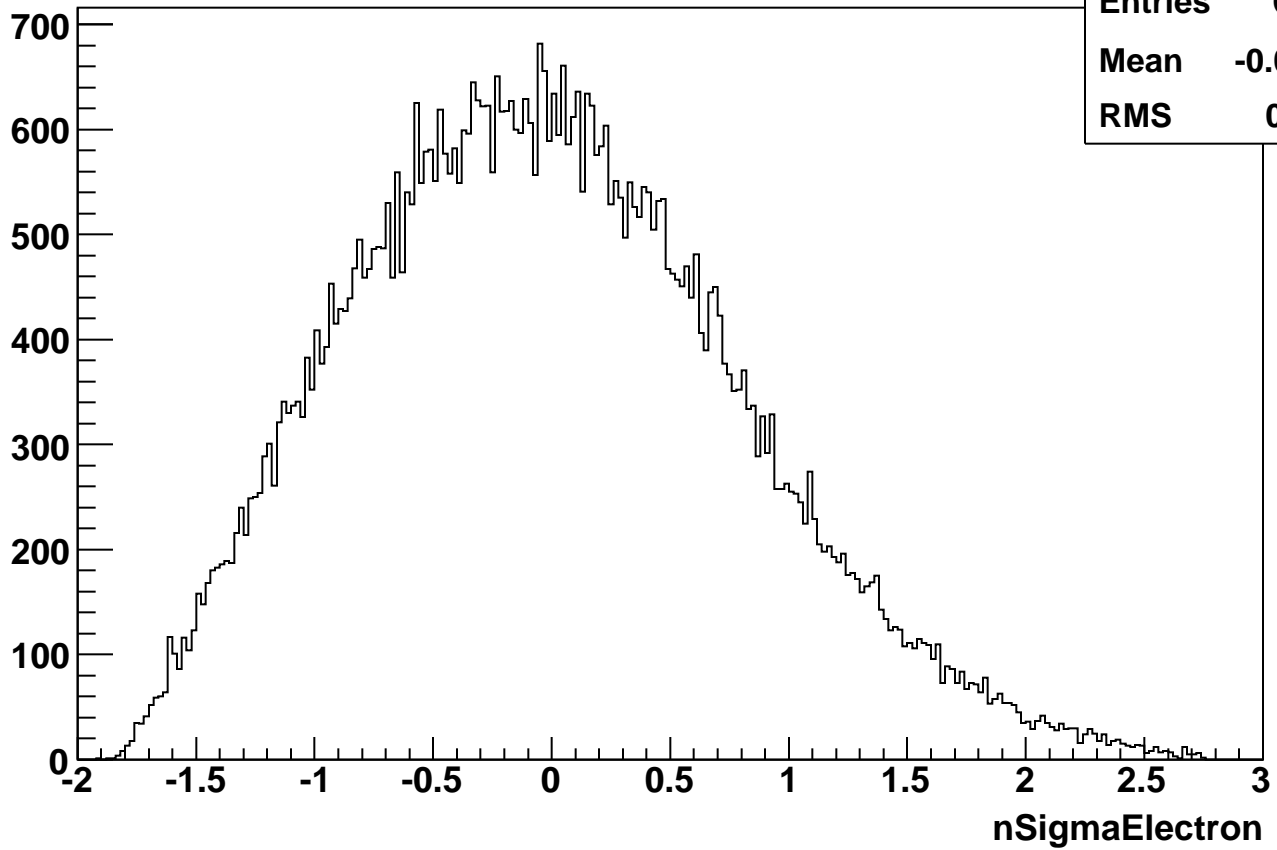
**nSigmaPion-ElectronCut-applied**



**nSigmaPion\_19**

<b>Entries</b>	<b>130243</b>
<b>Mean</b>	<b>2.918</b>
<b>RMS</b>	<b>1.207</b>

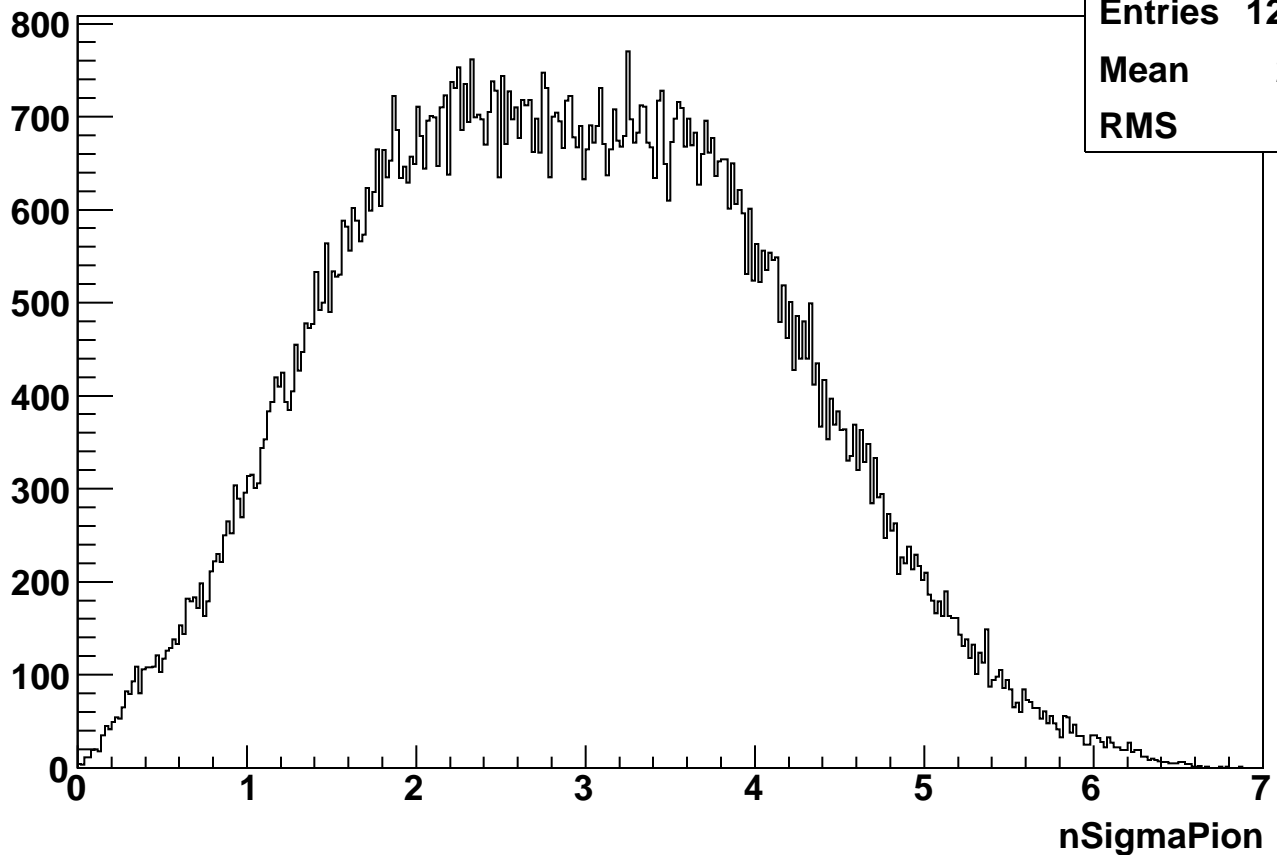
**nSigmaElectron-pionCut-applied**



**nSigmaElectron\_20**

<b>Entries</b>	<b>65427</b>
<b>Mean</b>	<b>-0.02099</b>
<b>RMS</b>	<b>0.8066</b>

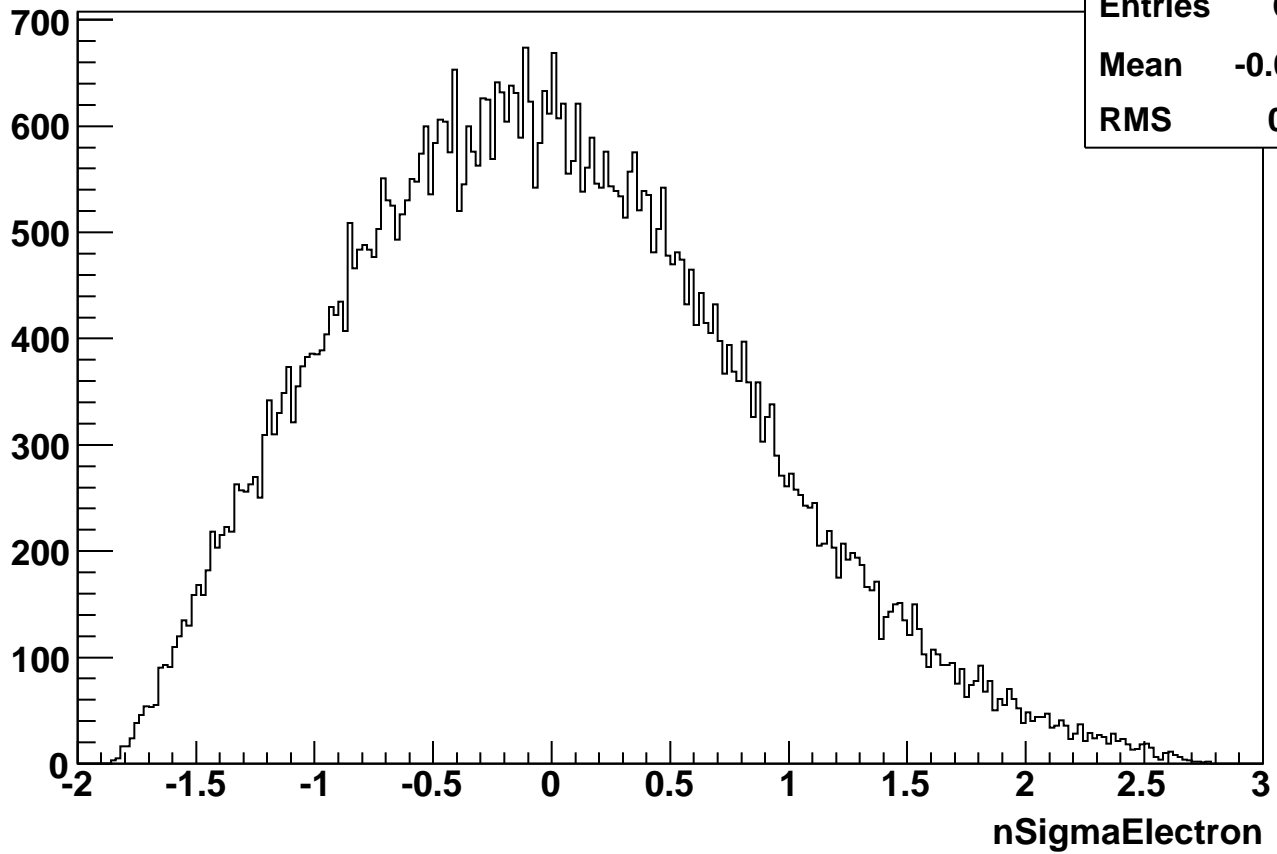
**nSigmaPion-ElectronCut-applied**



**nSigmaPion\_20**

<b>Entries</b>	<b>124546</b>
<b>Mean</b>	<b>2.886</b>
<b>RMS</b>	<b>1.21</b>

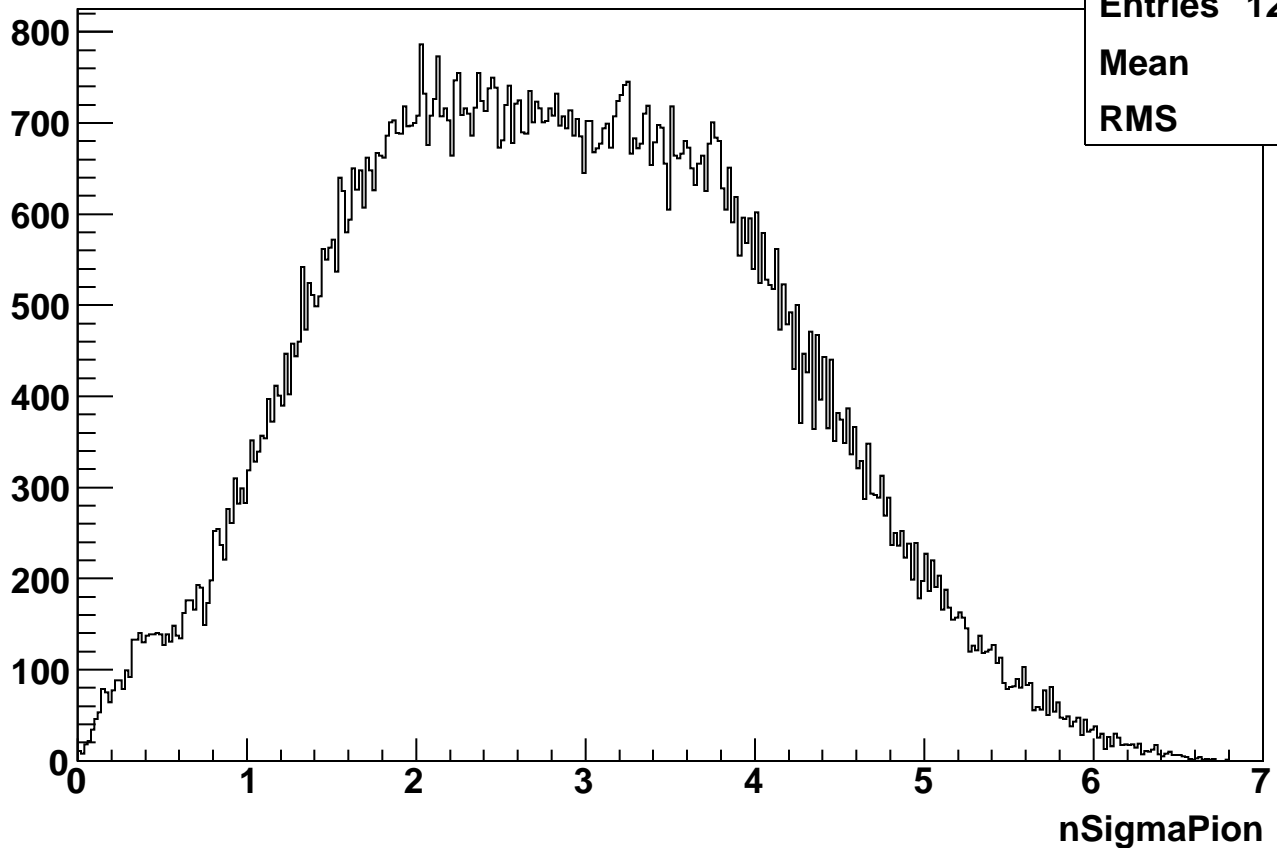
**nSigmaElectron-pionCut-applied**



**nSigmaElectron\_21**

Entries	66657
Mean	-0.02333
RMS	0.8281

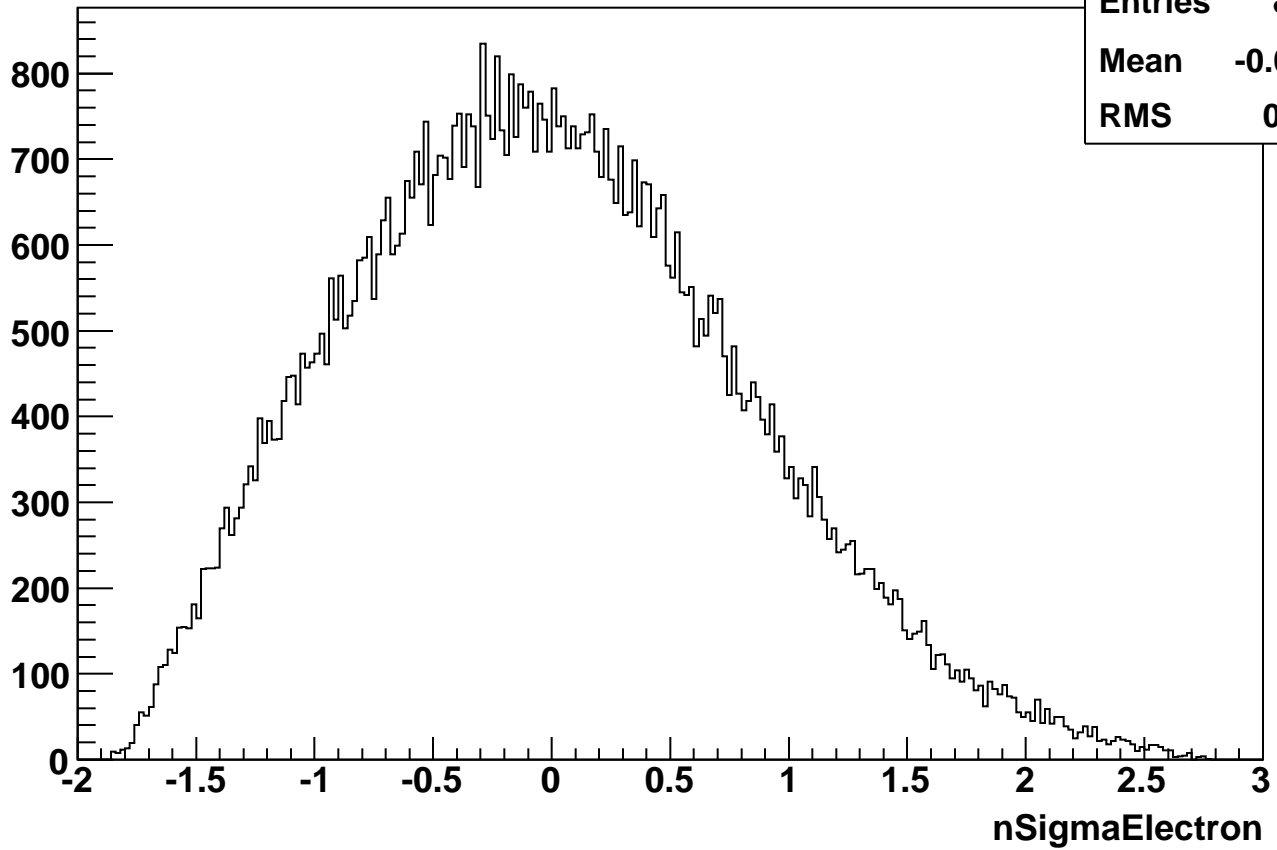
**nSigmaPion-ElectronCut-applied**



**nSigmaPion\_21**

Entries	127763
Mean	2.861
RMS	1.225

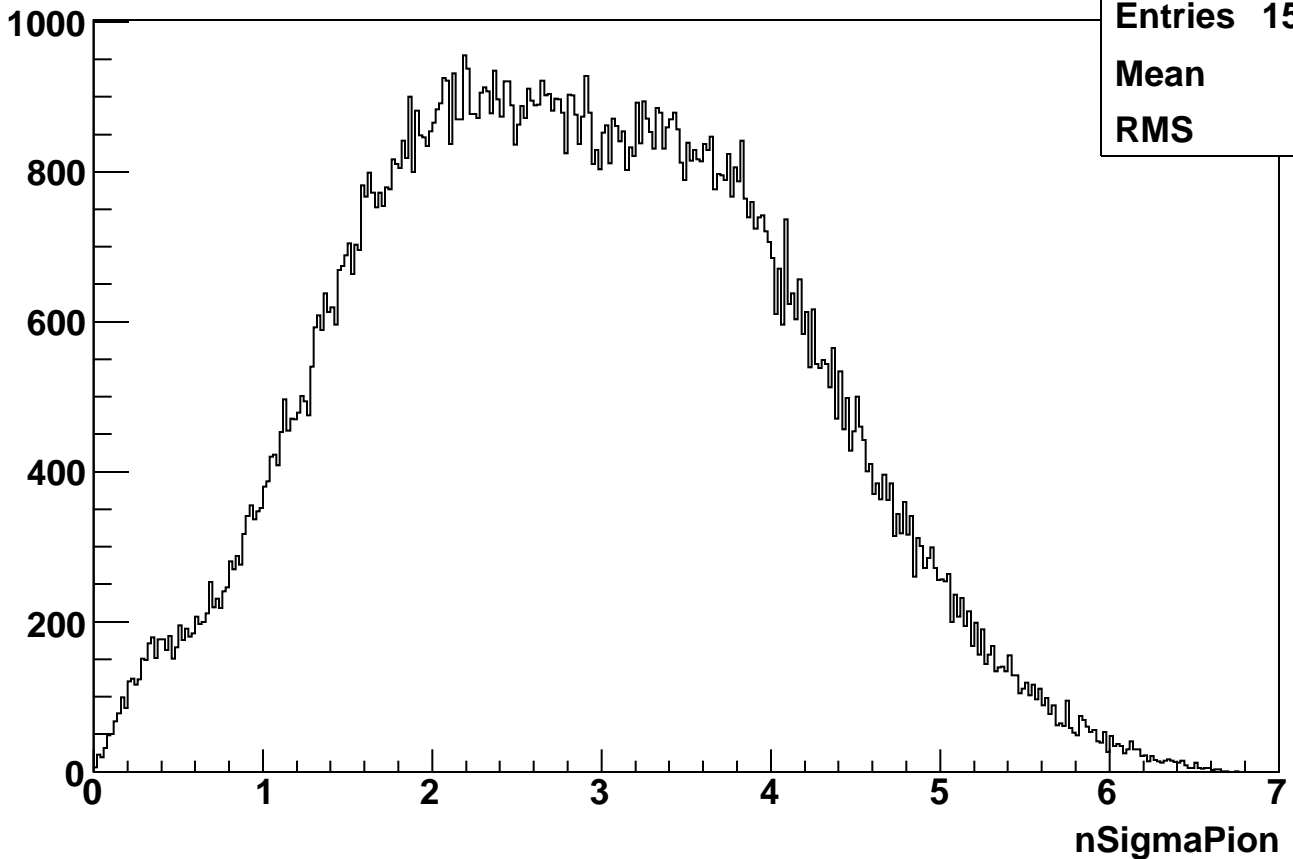
**nSigmaElectron-pionCut-applied**



**nSigmaElectron\_22**

<b>Entries</b>	<b>81648</b>
<b>Mean</b>	<b>-0.01638</b>
<b>RMS</b>	<b>0.8247</b>

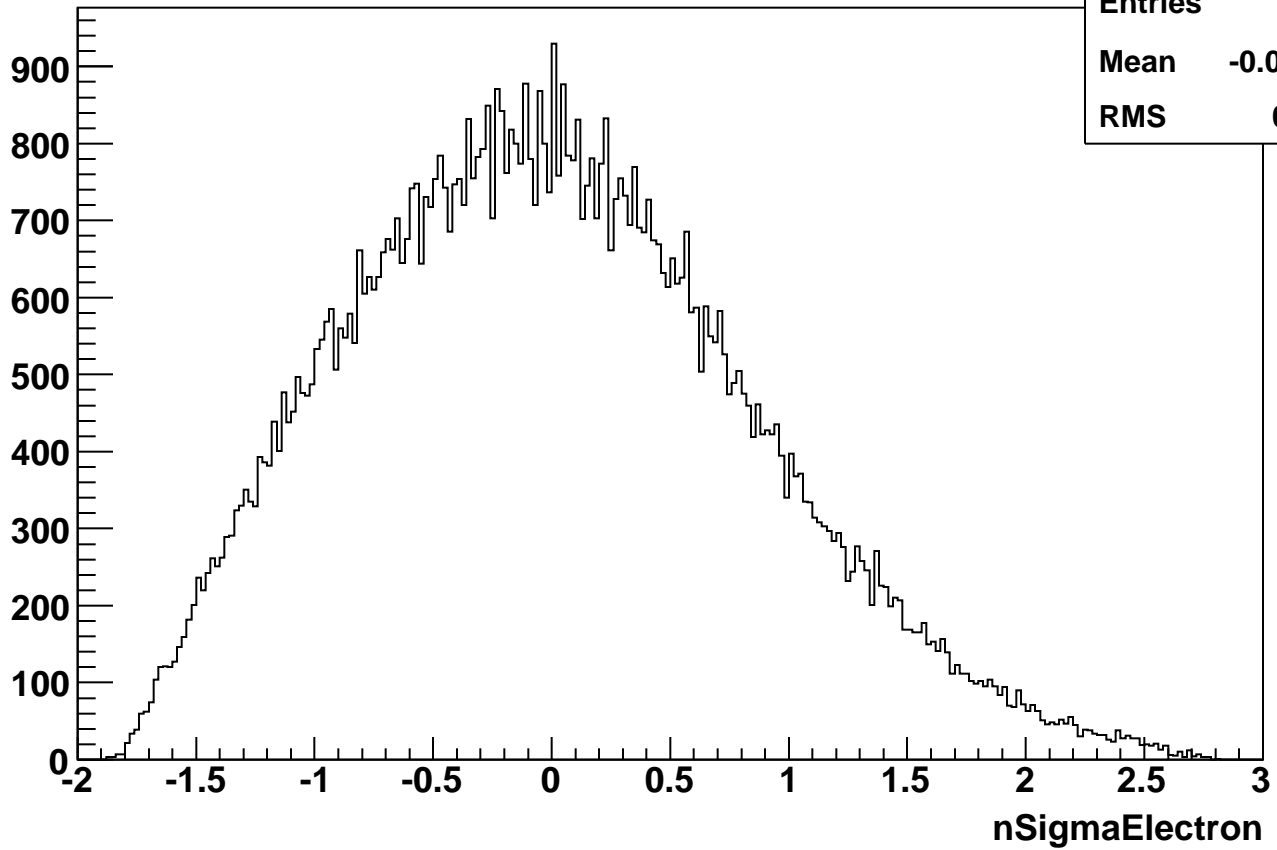
**nSigmaPion-ElectronCut-applied**



**nSigmaPion\_22**

<b>Entries</b>	<b>157160</b>
<b>Mean</b>	<b>2.86</b>
<b>RMS</b>	<b>1.225</b>

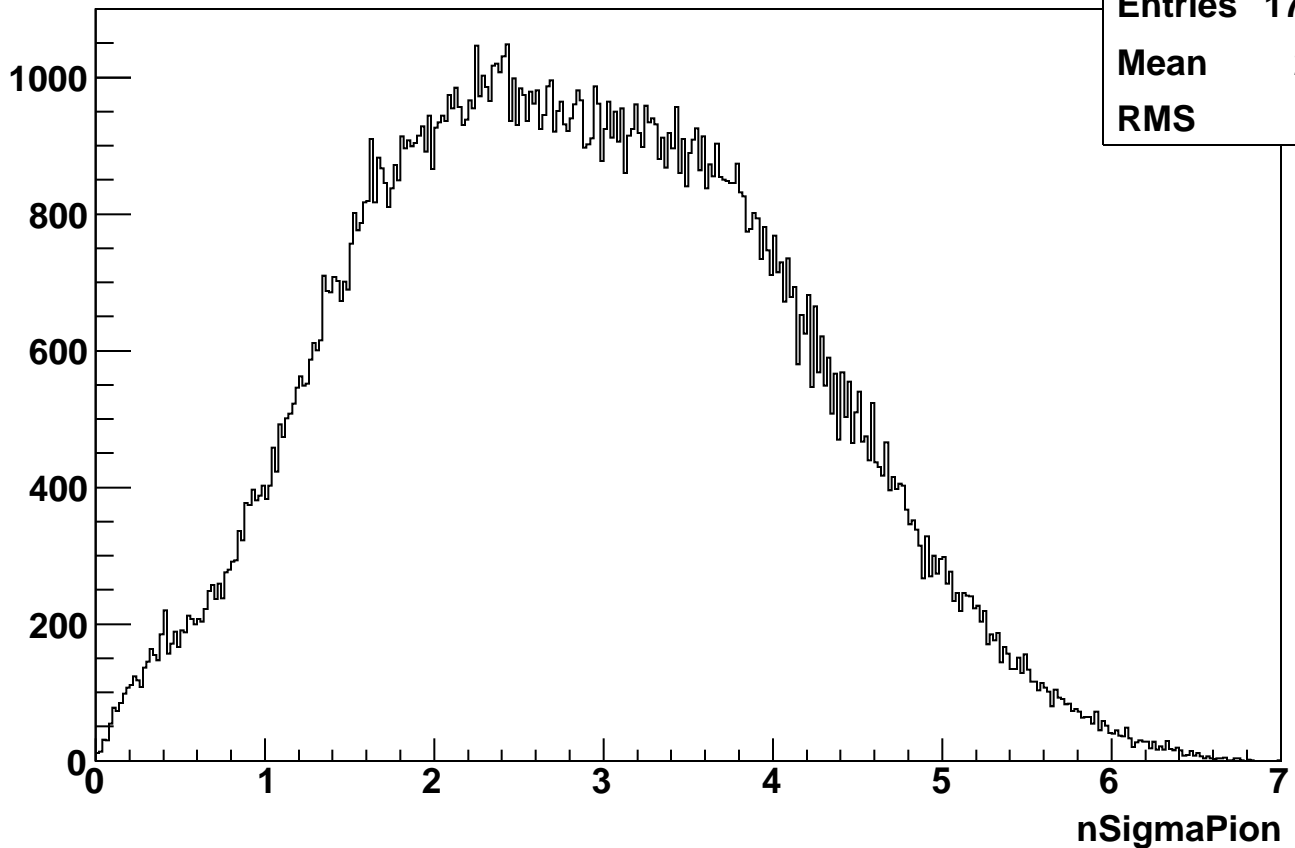
**nSigmaElectron-pionCut-applied**



**nSigmaElectron\_23**

<b>Entries</b>	<b>88116</b>
<b>Mean</b>	<b>-0.002012</b>
<b>RMS</b>	<b>0.8353</b>

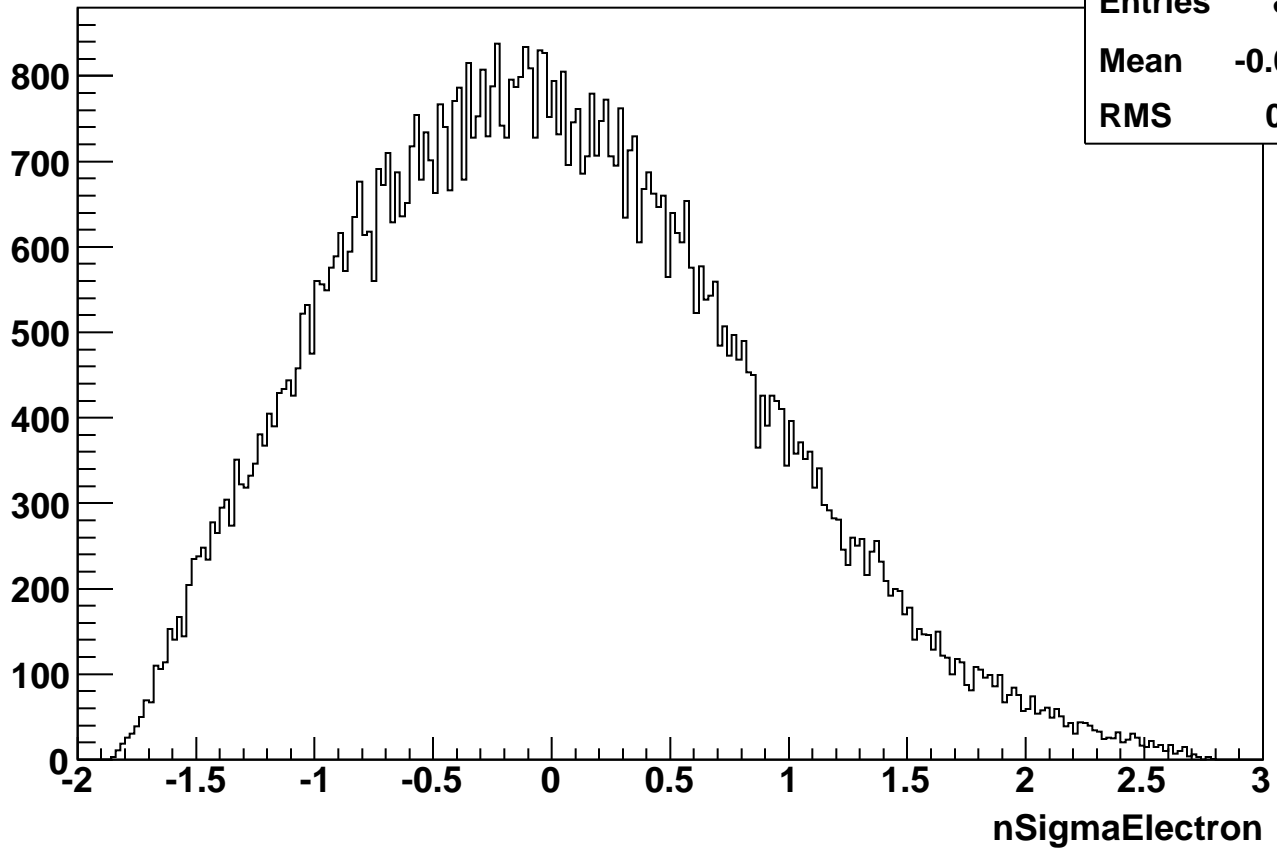
**nSigmaPion-ElectronCut-applied**



**nSigmaPion\_23**

<b>Entries</b>	<b>170223</b>
<b>Mean</b>	<b>2.862</b>
<b>RMS</b>	<b>1.23</b>

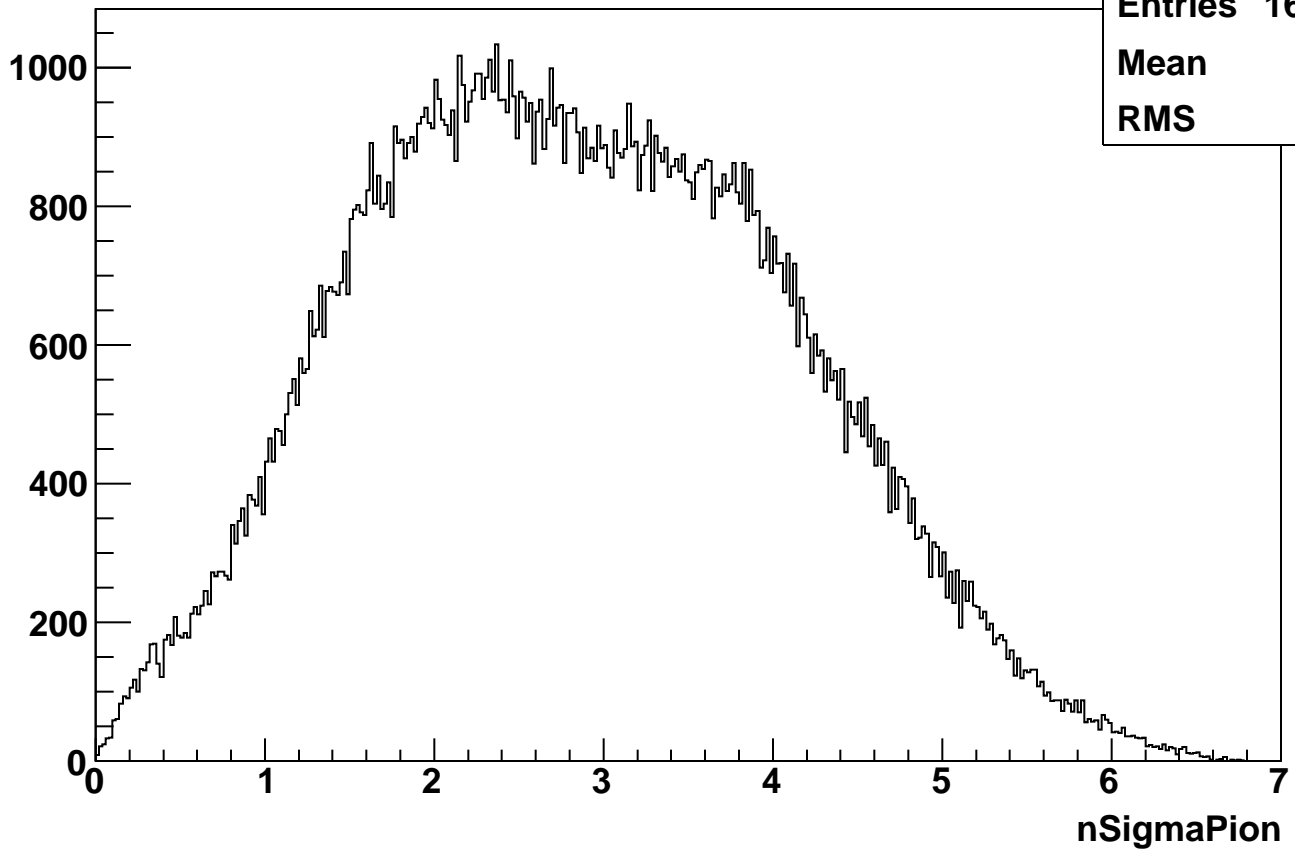
**nSigmaElectron-pionCut-applied**



**nSigmaElectron\_24**

<b>Entries</b>	<b>86674</b>
<b>Mean</b>	<b>-0.01609</b>
<b>RMS</b>	<b>0.8384</b>

**nSigmaPion-ElectronCut-applied**



**nSigmaPion\_24**

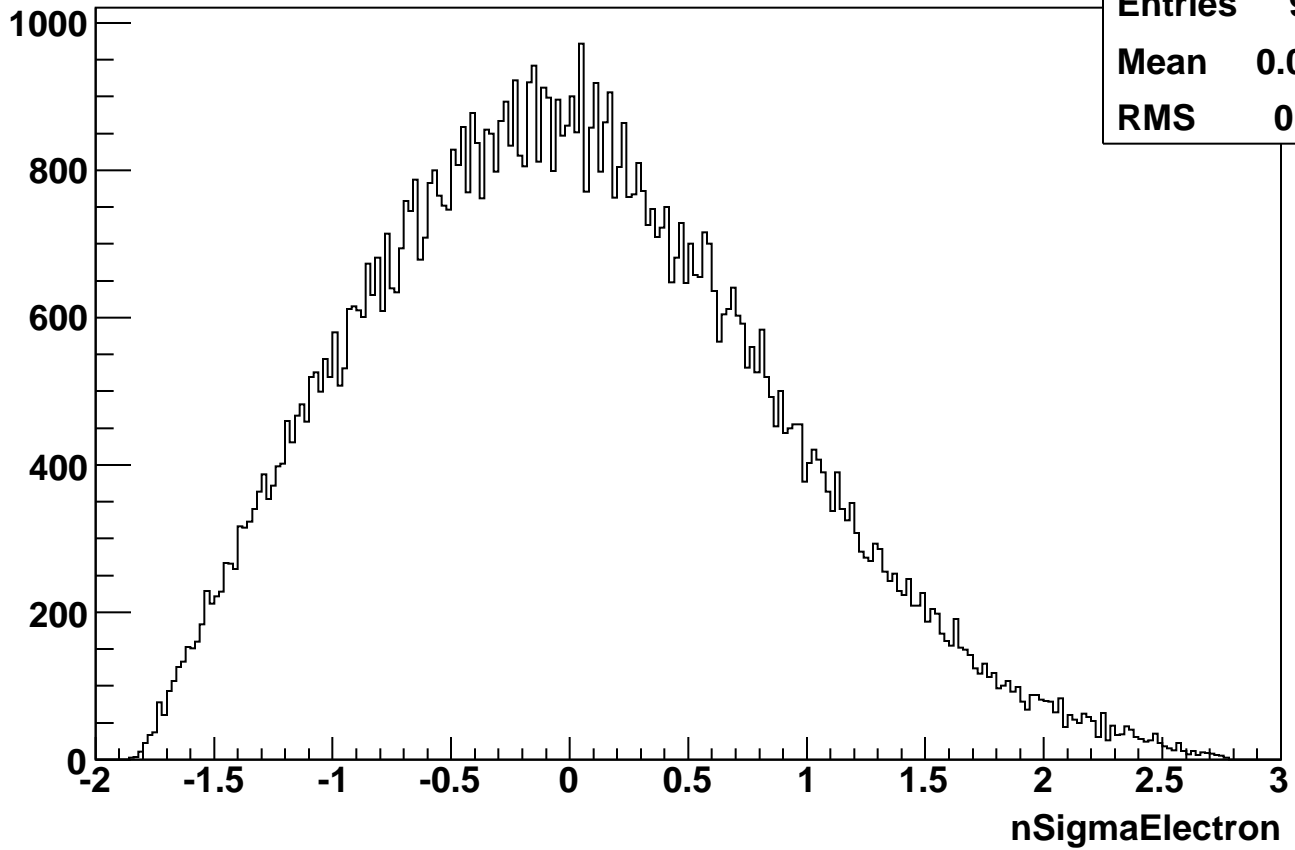
<b>Entries</b>	<b>167412</b>
<b>Mean</b>	<b>2.86</b>
<b>RMS</b>	<b>1.24</b>



**nSigmaElectron-pionCut-applied**

**nSigmaElectron\_25**

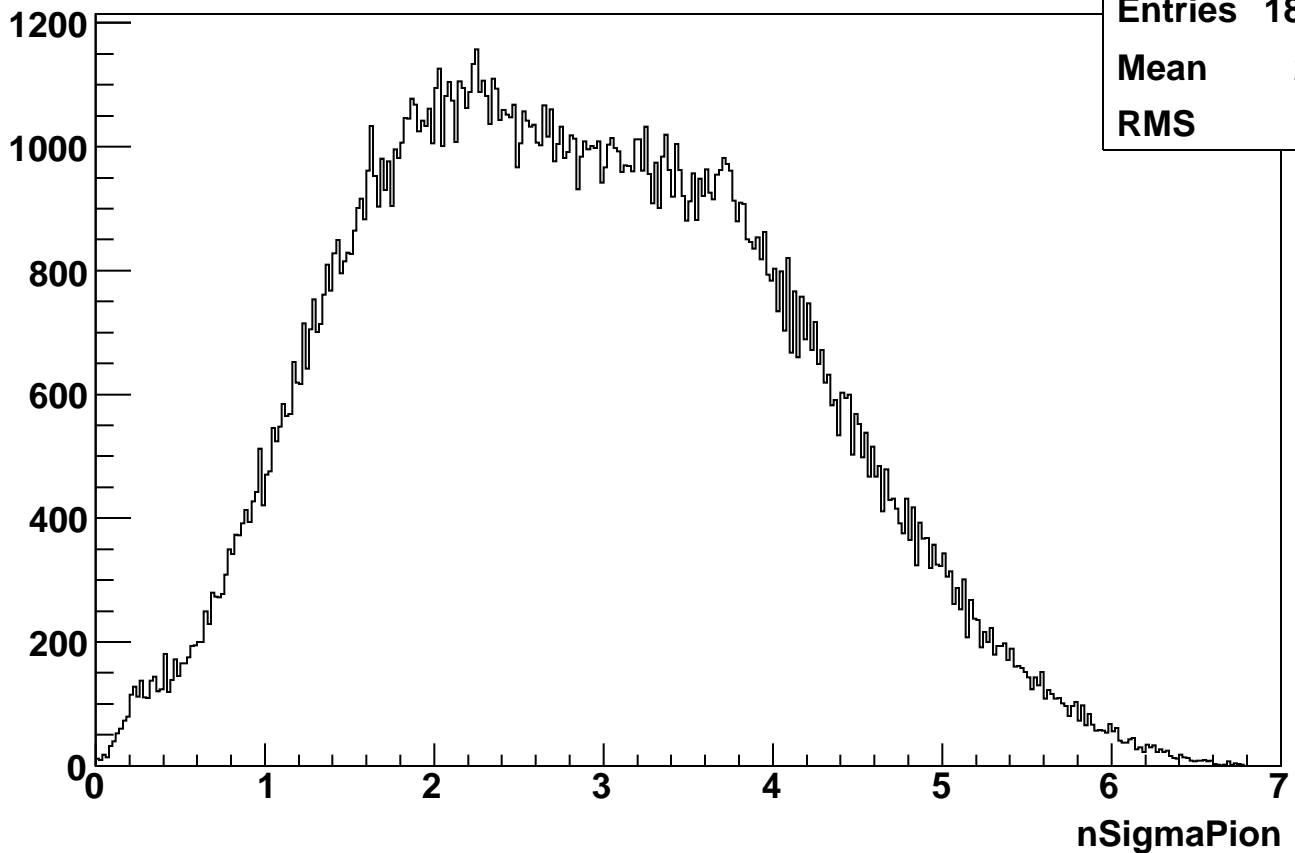
<b>Entries</b>	<b>95471</b>
<b>Mean</b>	<b>0.00194</b>
<b>RMS</b>	<b>0.8383</b>



**nSigmaPion-ElectronCut-applied**

**nSigmaPion\_25**

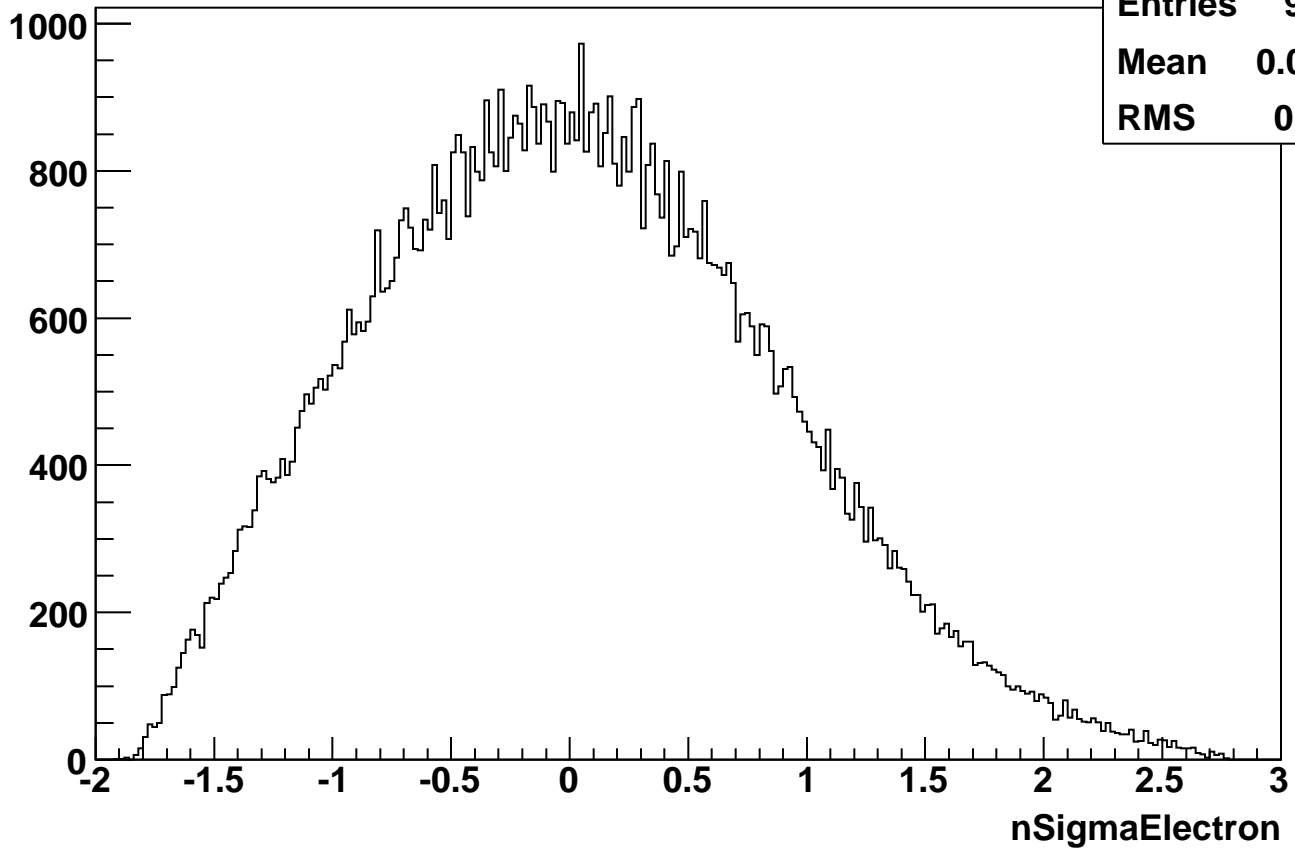
<b>Entries</b>	<b>186045</b>
<b>Mean</b>	<b>2.858</b>
<b>RMS</b>	<b>1.232</b>



**nSigmaElectron-pionCut-applied**

**nSigmaElectron\_26**

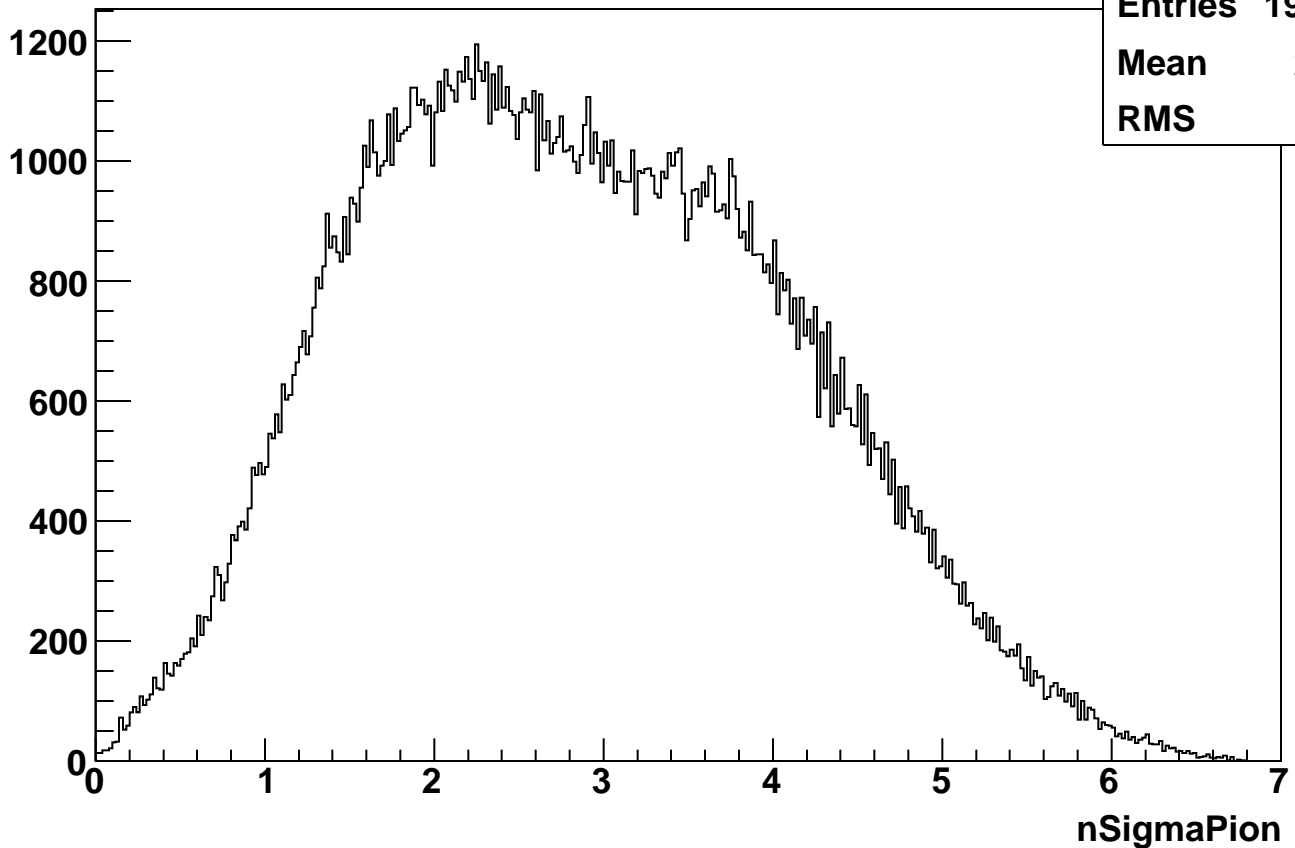
<b>Entries</b>	<b>97525</b>
<b>Mean</b>	<b>0.02695</b>
<b>RMS</b>	<b>0.8426</b>



**nSigmaPion-ElectronCut-applied**

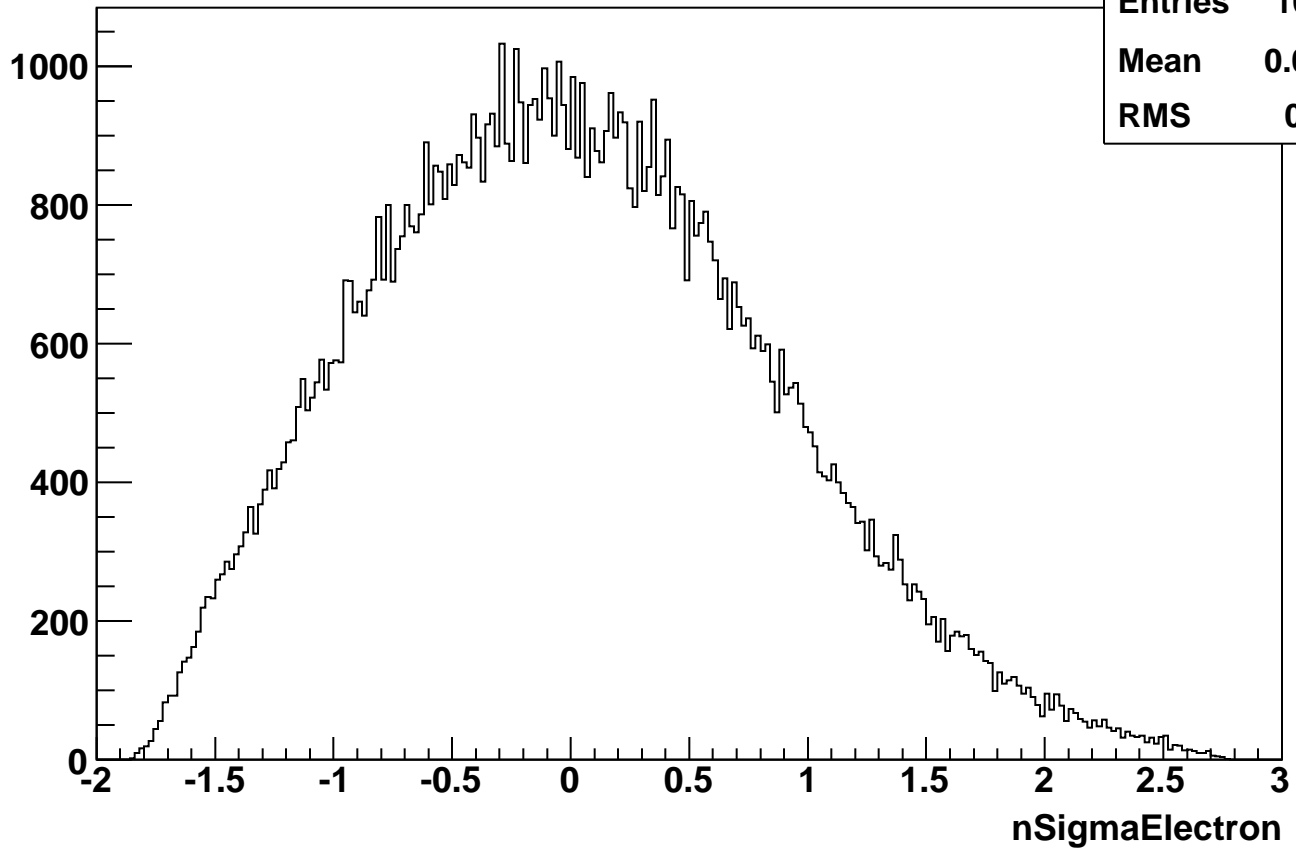
**nSigmaPion\_26**

<b>Entries</b>	<b>192513</b>
<b>Mean</b>	<b>2.856</b>
<b>RMS</b>	<b>1.235</b>



**nSigmaElectron-pionCut-applied**

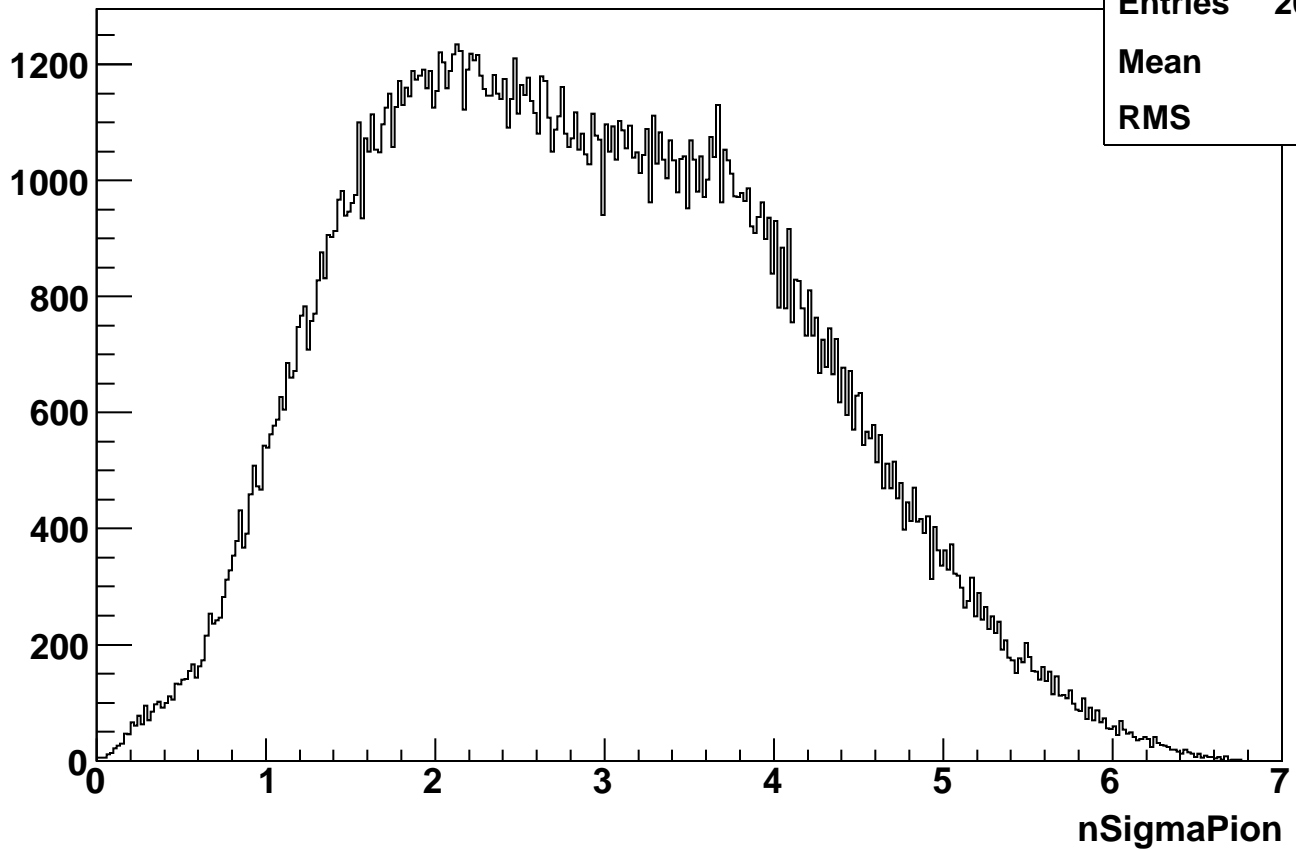
**nSigmaElectron\_27**



<b>Entries</b>	<b>104558</b>
<b>Mean</b>	<b>0.01418</b>
<b>RMS</b>	<b>0.8379</b>

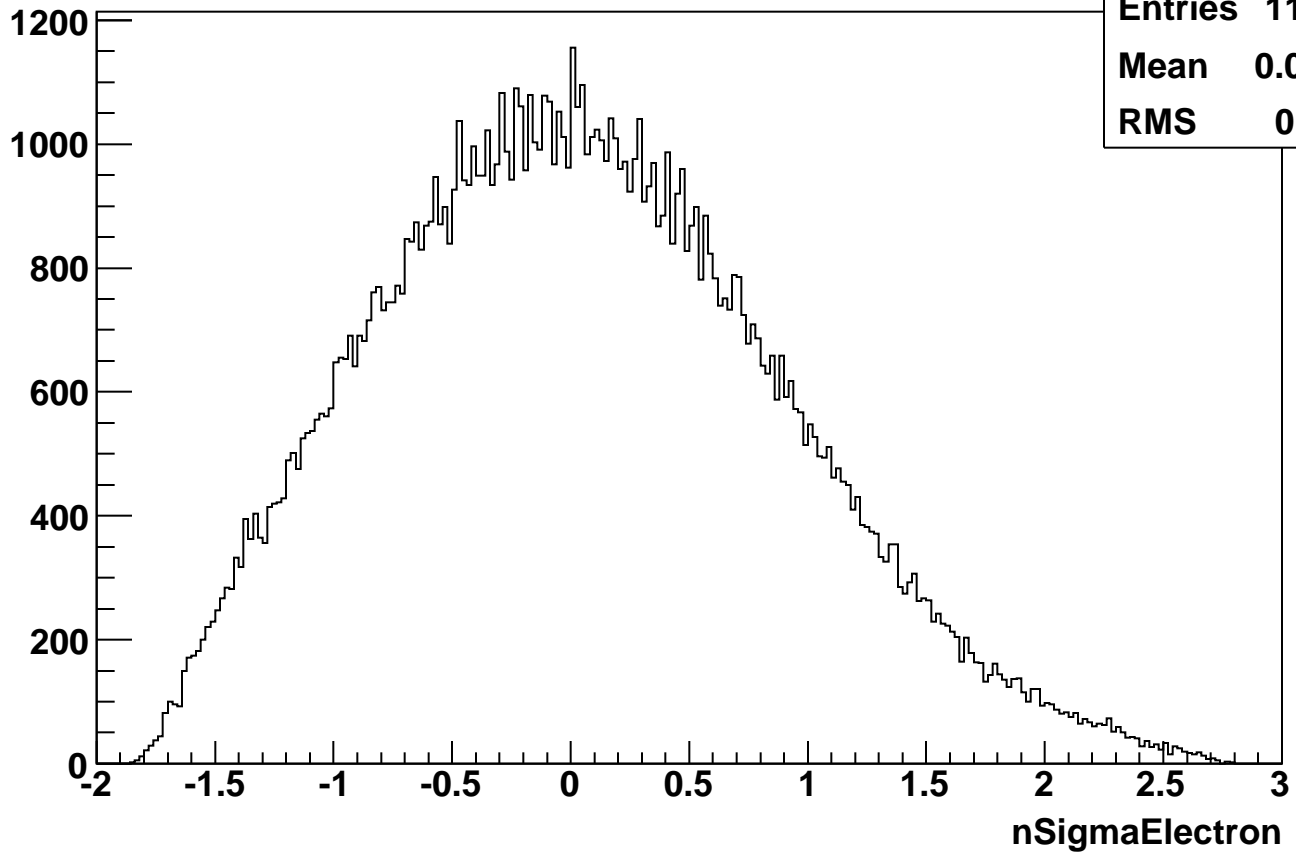
**nSigmaPion-ElectronCut-applied**

**nSigmaPion\_27**



<b>Entries</b>	<b>203708</b>
<b>Mean</b>	<b>2.875</b>
<b>RMS</b>	<b>1.223</b>

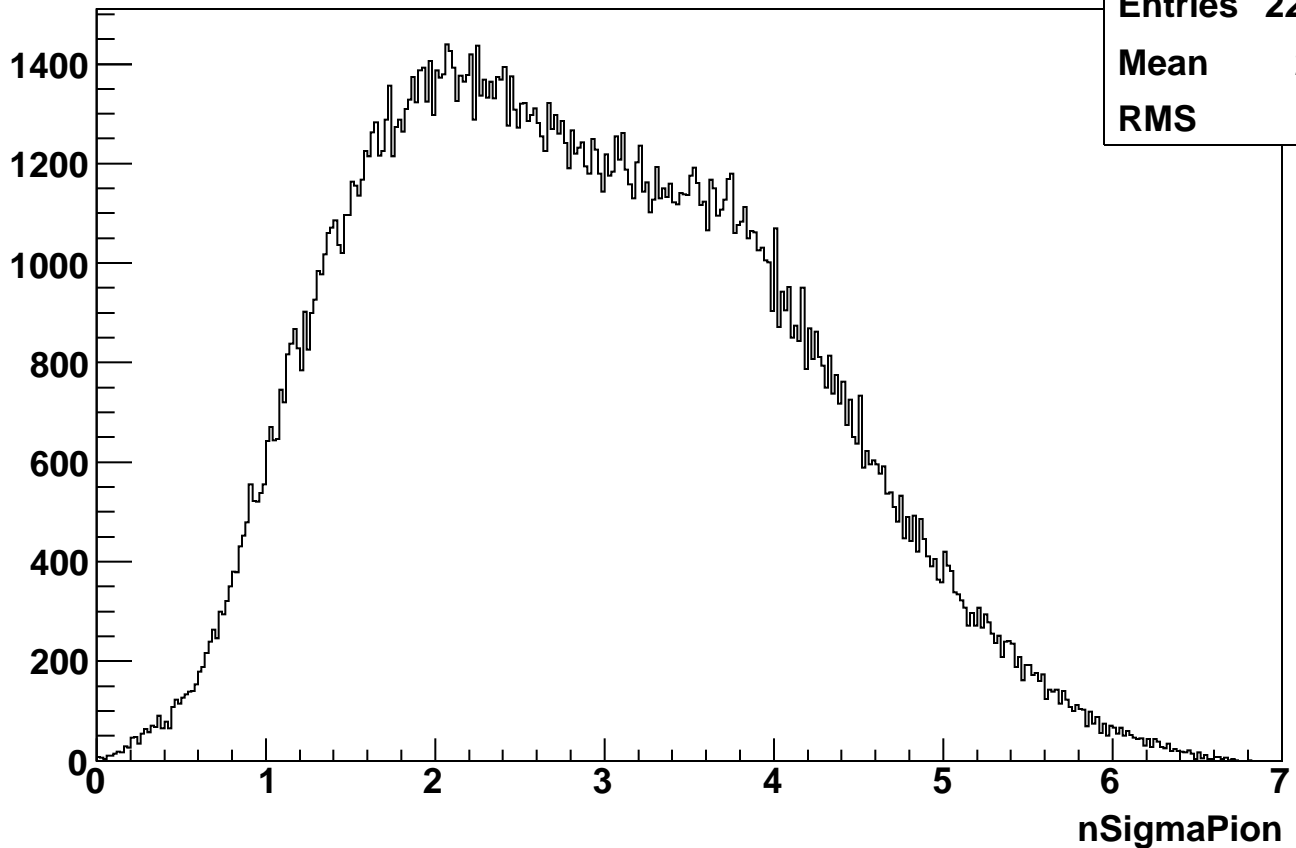
**nSigmaElectron-pionCut-applied**



**nSigmaElectron\_28**

<b>Entries</b>	<b>114469</b>
<b>Mean</b>	<b>0.04728</b>
<b>RMS</b>	<b>0.8396</b>

**nSigmaPion-ElectronCut-applied**



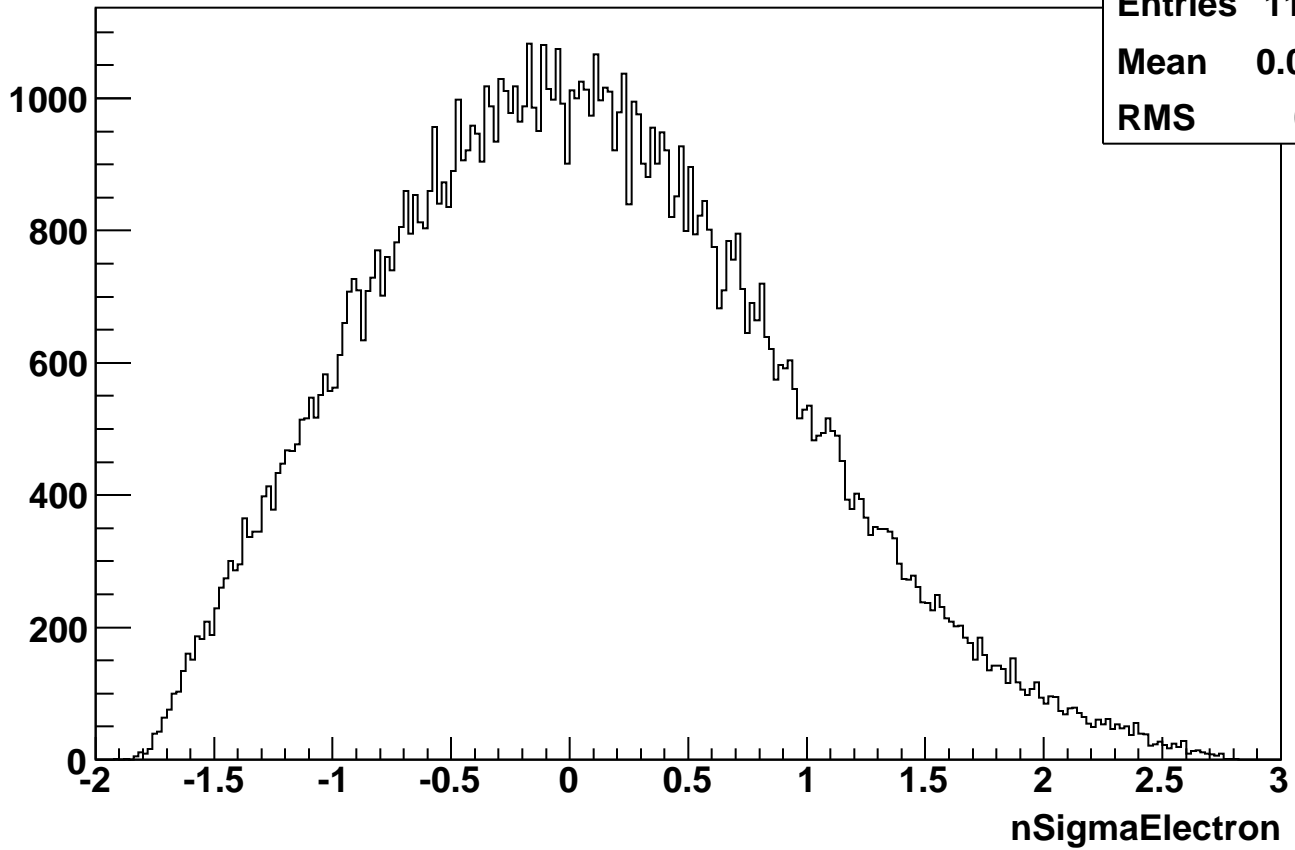
**nSigmaPion\_28**

<b>Entries</b>	<b>229149</b>
<b>Mean</b>	<b>2.862</b>
<b>RMS</b>	<b>1.209</b>

**nSigmaElectron-pionCut-applied**

**nSigmaElectron\_29**

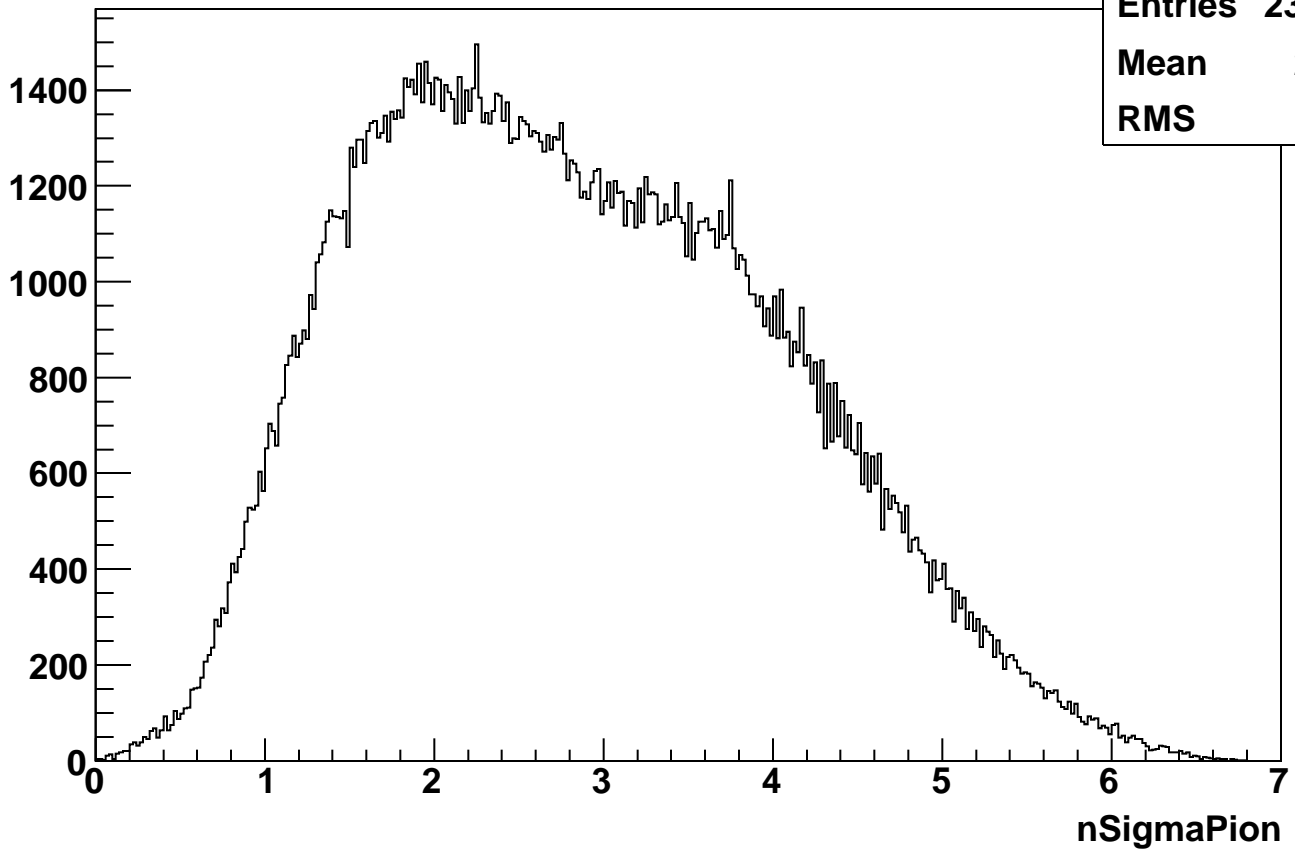
**Entries** 111996  
**Mean** 0.04836  
**RMS** 0.836



**nSigmaPion-ElectronCut-applied**

**nSigmaPion\_29**

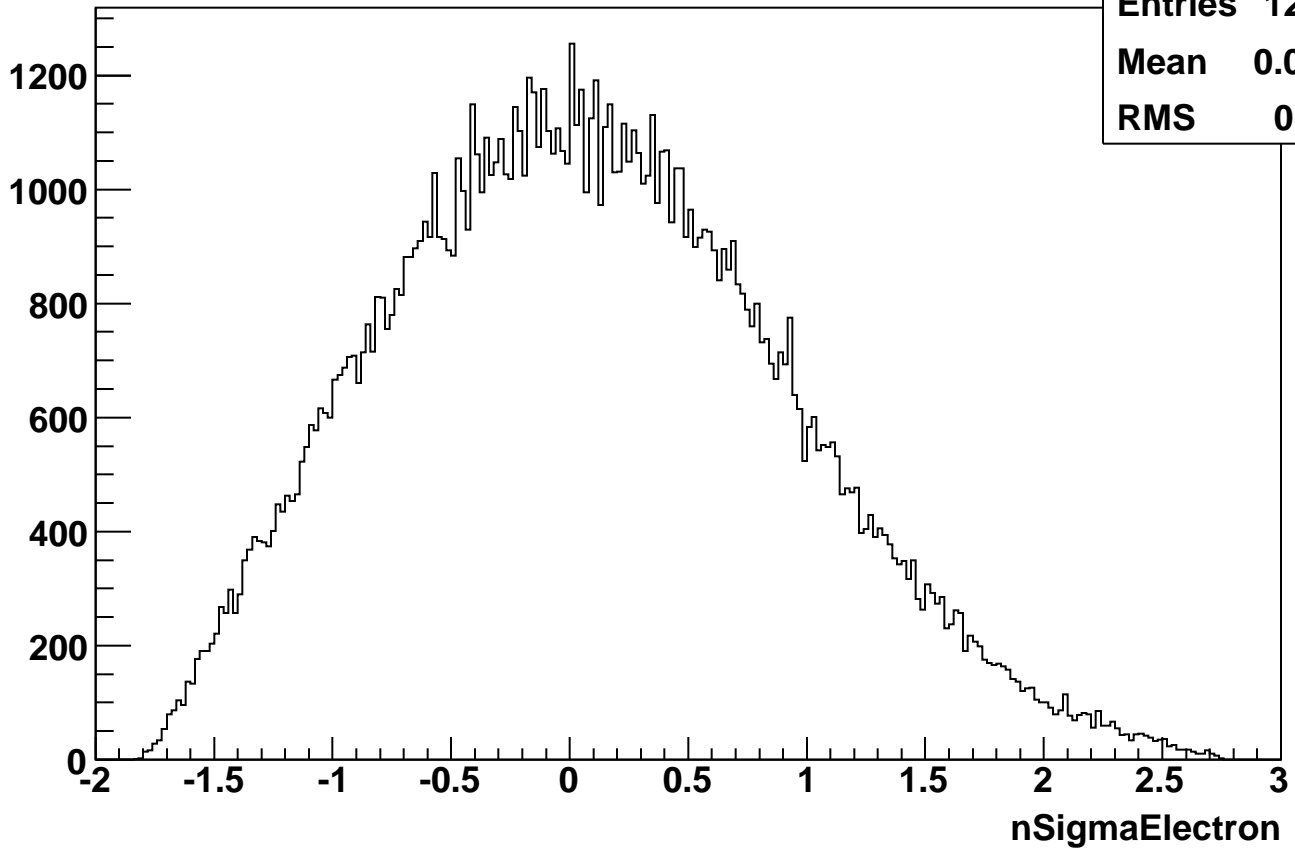
**Entries** 230342  
**Mean** 2.837  
**RMS** 1.205



**nSigmaElectron-pionCut-applied**

**nSigmaElectron\_30**

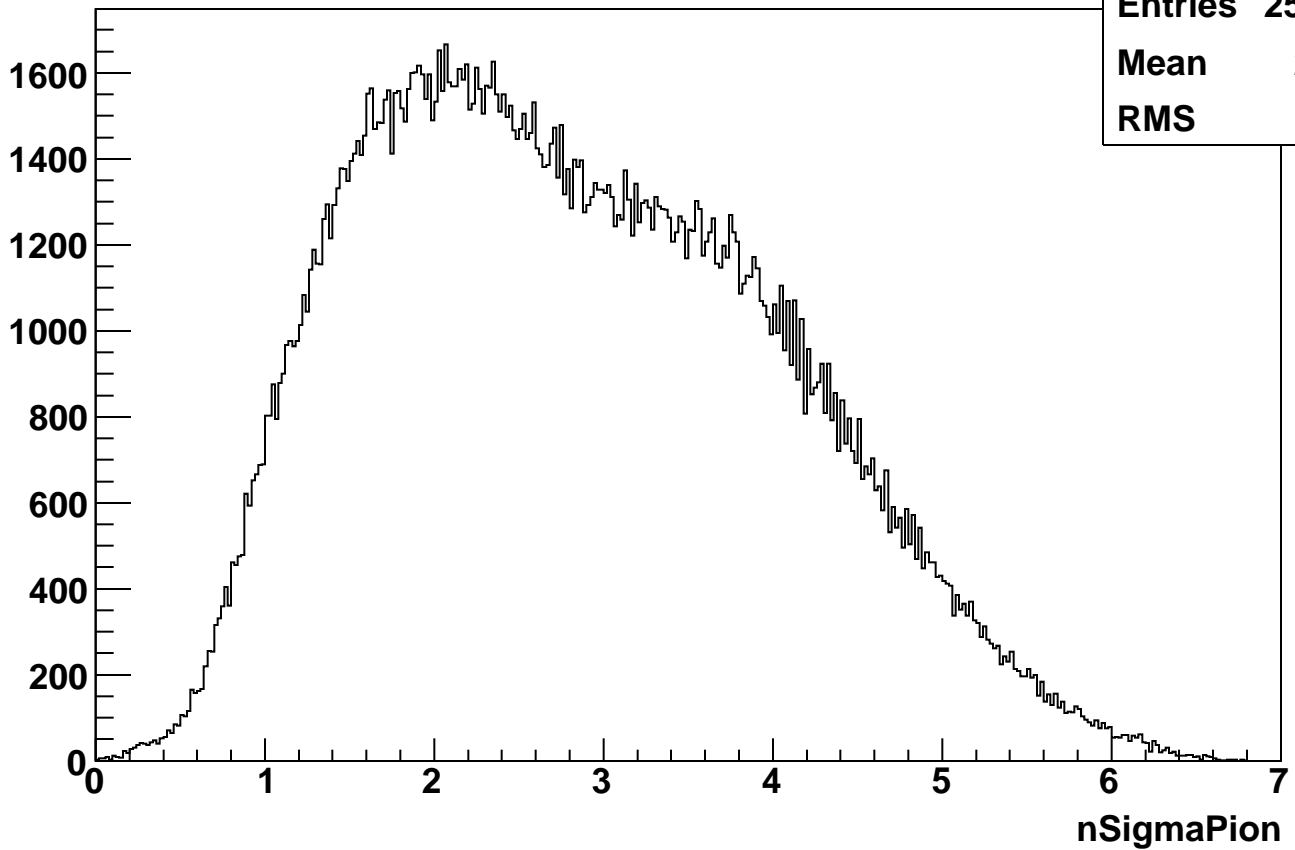
<b>Entries</b>	<b>123006</b>
<b>Mean</b>	<b>0.08018</b>
<b>RMS</b>	<b>0.8317</b>



**nSigmaPion-ElectronCut-applied**

**nSigmaPion\_30**

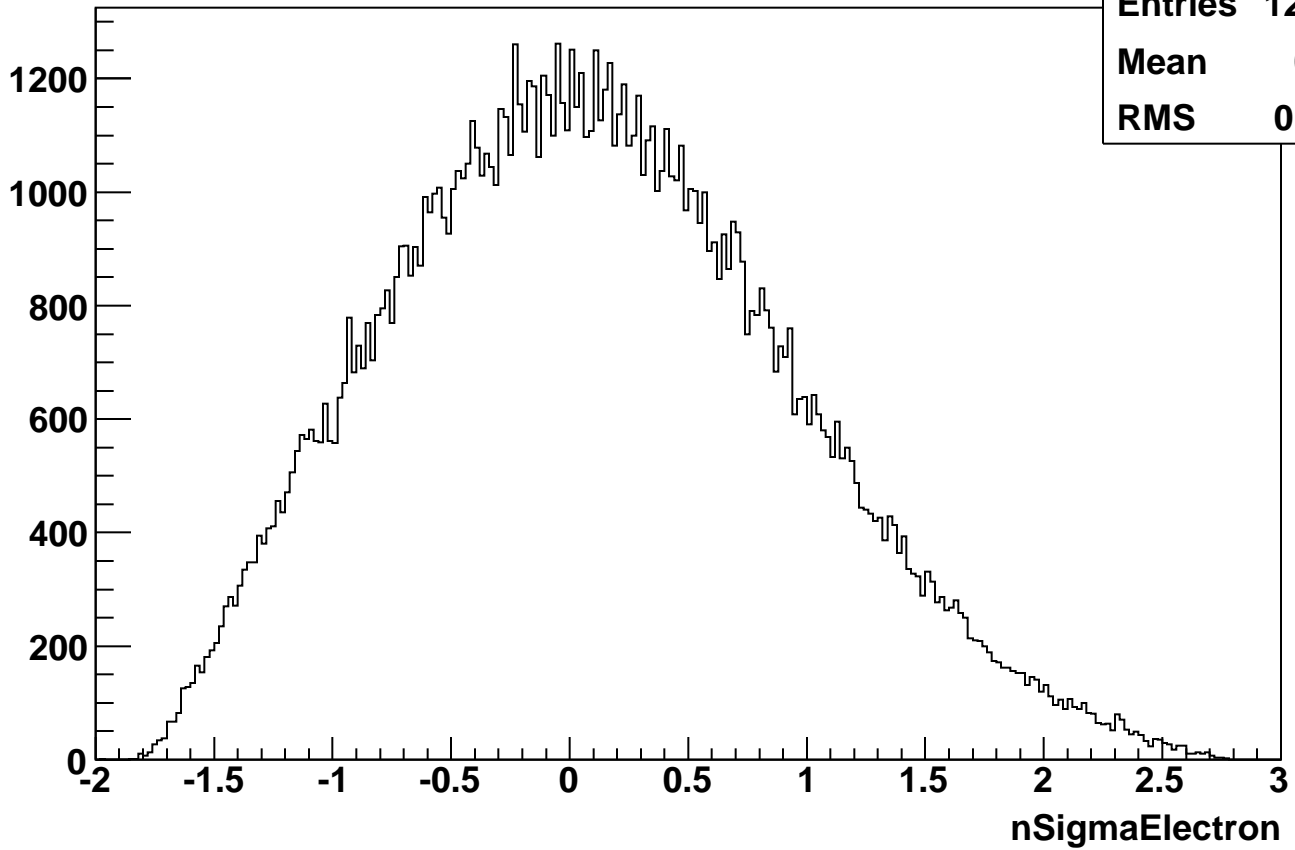
<b>Entries</b>	<b>258130</b>
<b>Mean</b>	<b>2.825</b>
<b>RMS</b>	<b>1.205</b>



**nSigmaElectron-pionCut-applied**

**nSigmaElectron\_31**

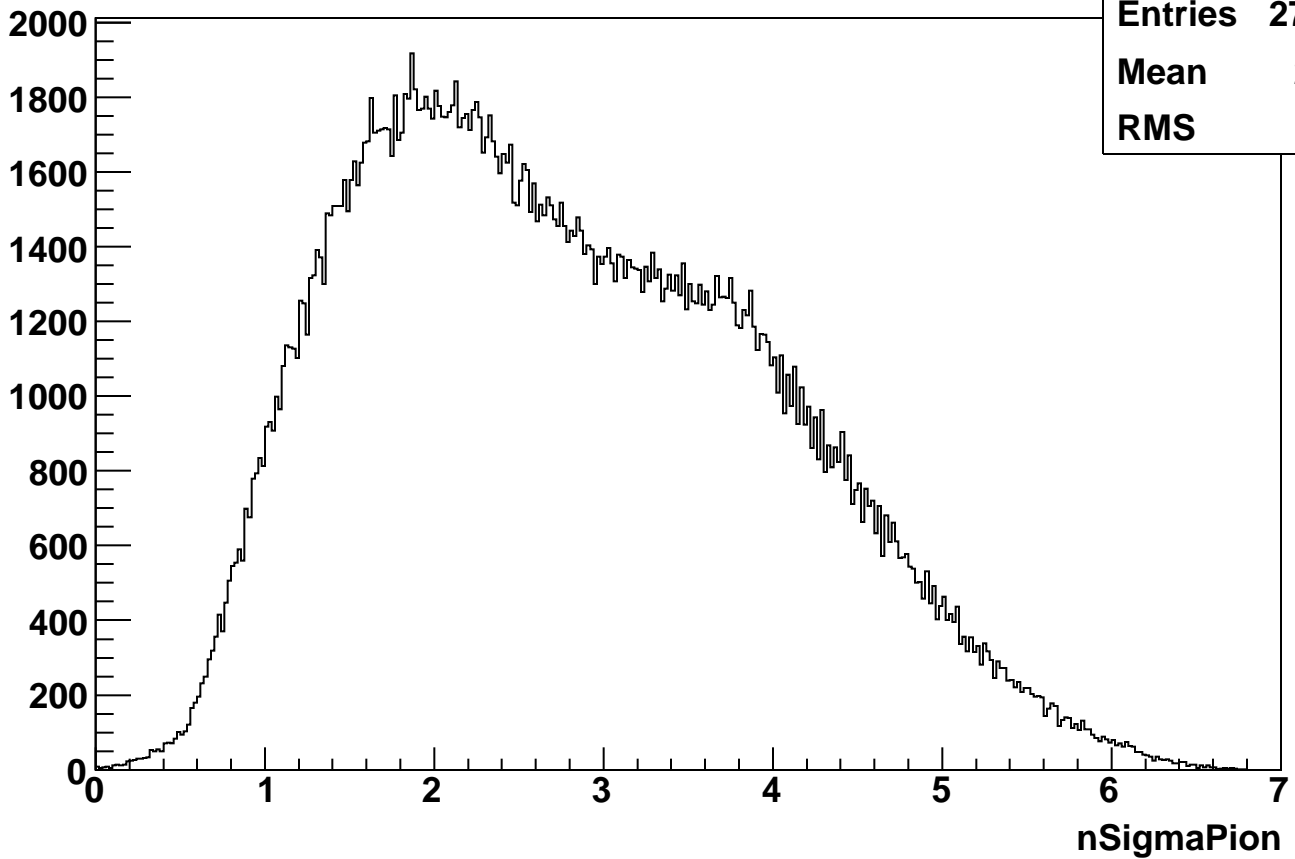
<b>Entries</b>	<b>127699</b>
<b>Mean</b>	<b>0.098</b>
<b>RMS</b>	<b>0.8318</b>



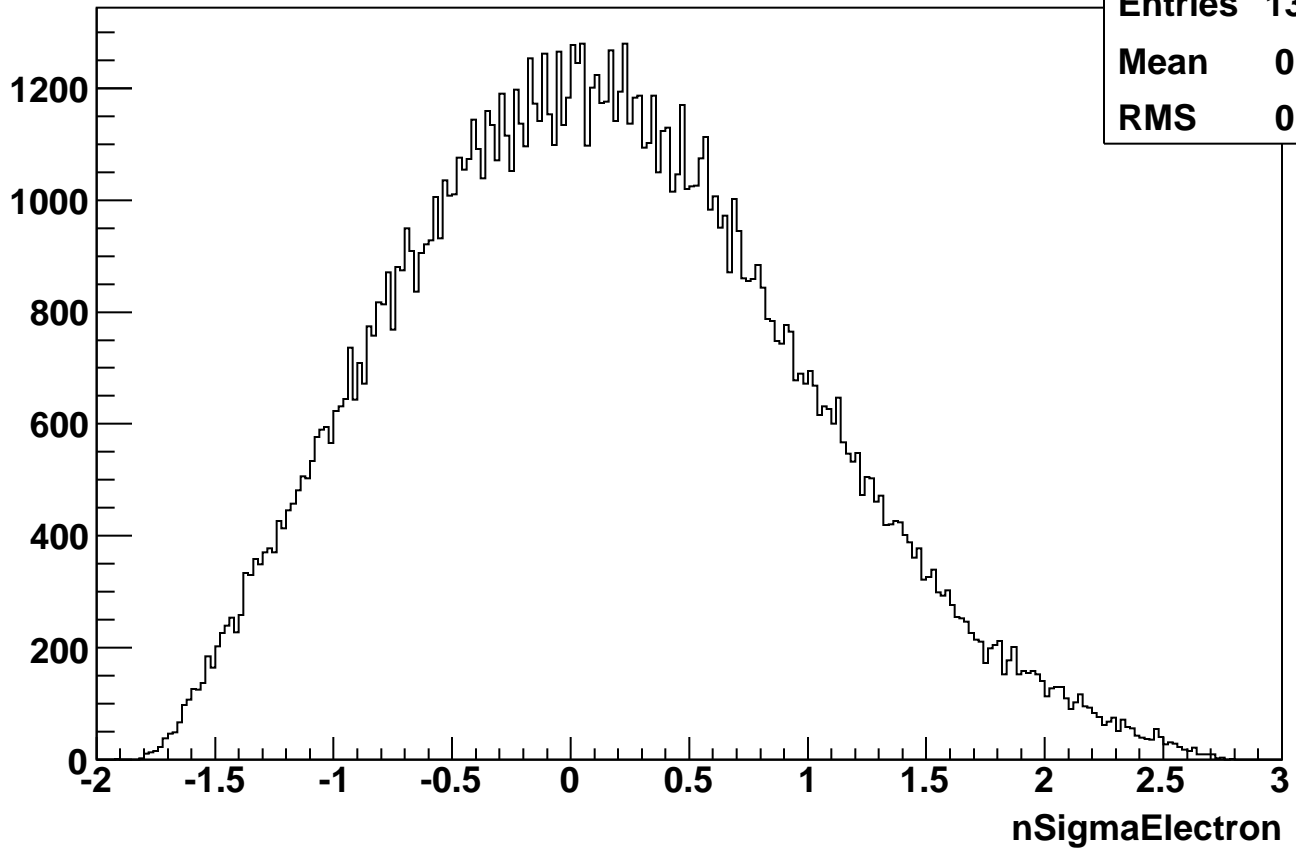
**nSigmaPion-ElectronCut-applied**

**nSigmaPion\_31**

<b>Entries</b>	<b>279241</b>
<b>Mean</b>	<b>2.782</b>
<b>RMS</b>	<b>1.209</b>



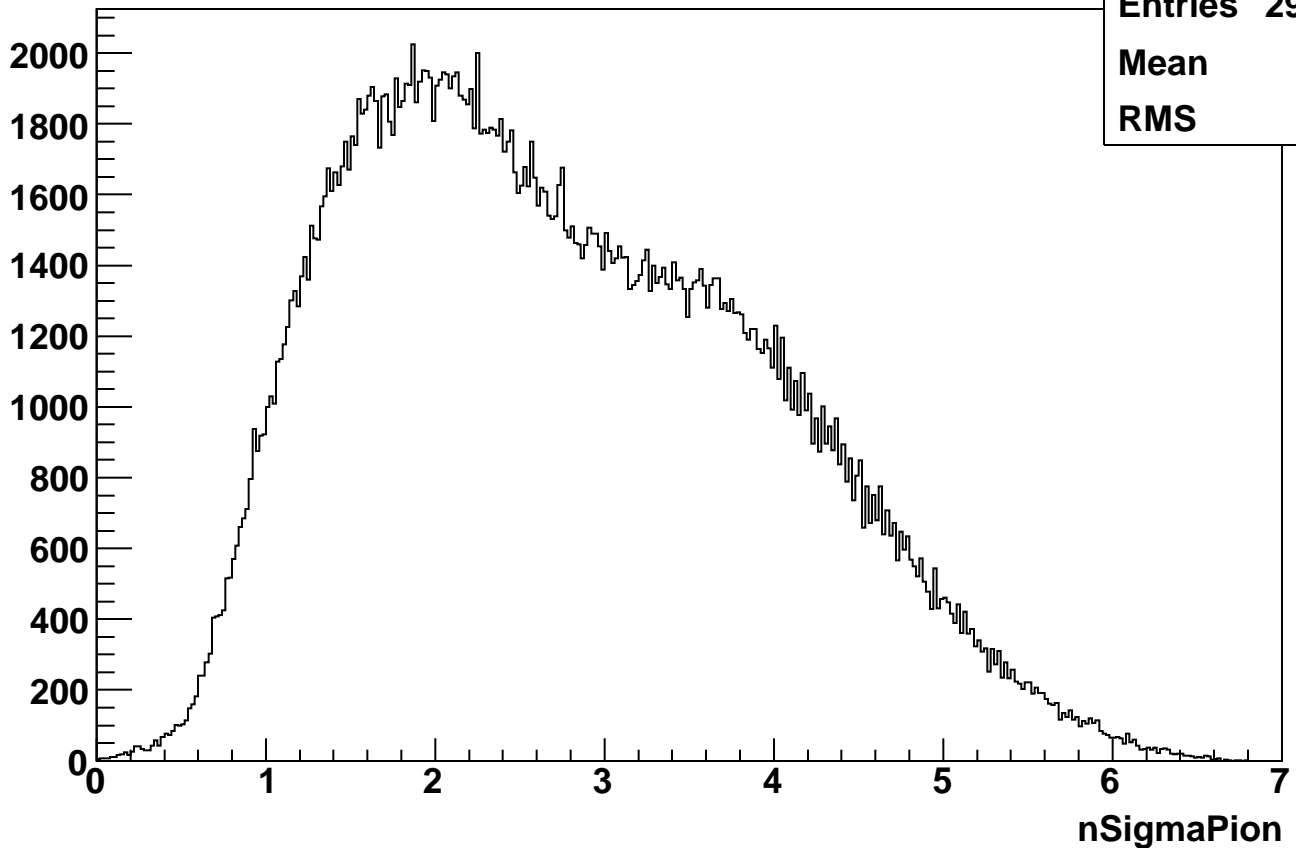
**nSigmaElectron-pionCut-applied**



**nSigmaElectron\_32**

<b>Entries</b>	<b>131342</b>
<b>Mean</b>	<b>0.1274</b>
<b>RMS</b>	<b>0.8276</b>

**nSigmaPion-ElectronCut-applied**

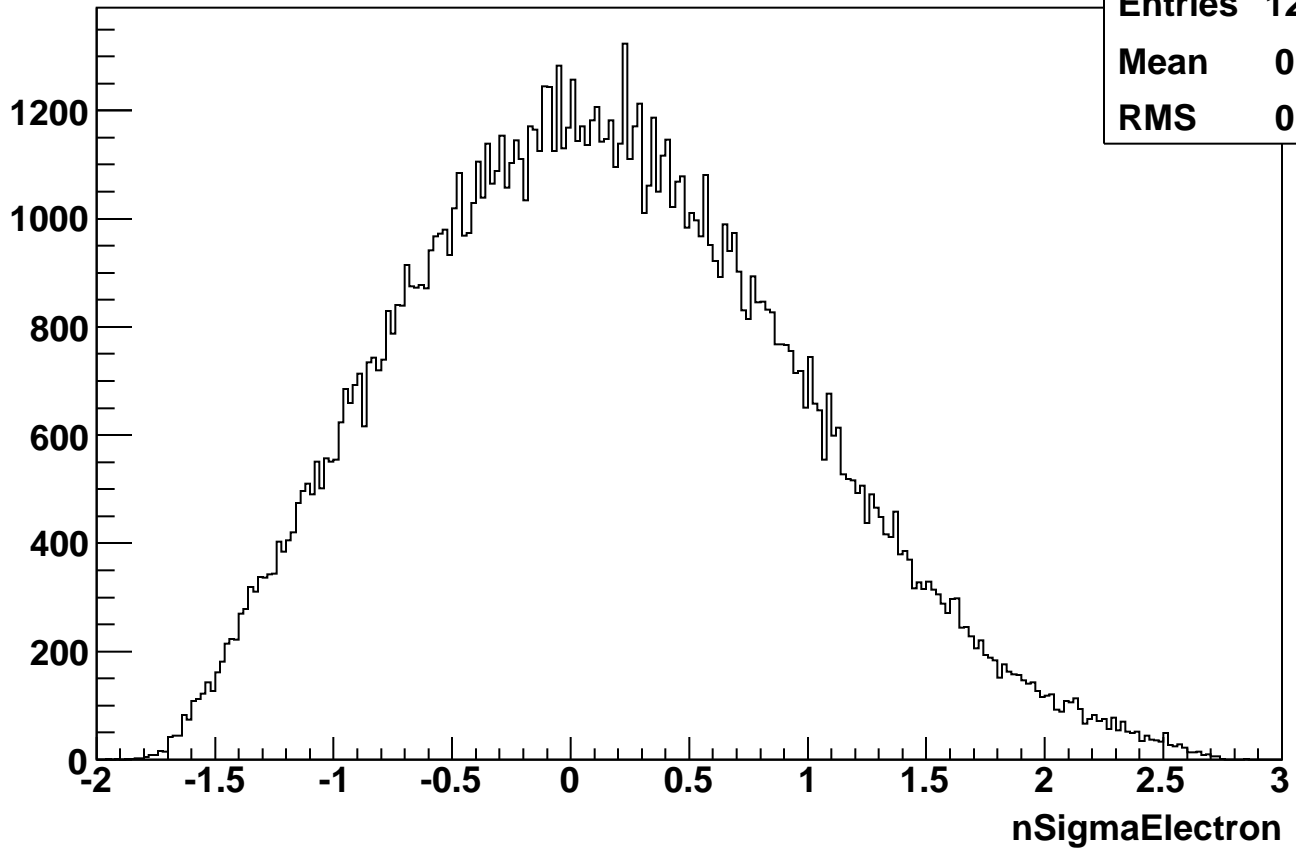


**nSigmaPion\_32**

<b>Entries</b>	<b>297333</b>
<b>Mean</b>	<b>2.751</b>
<b>RMS</b>	<b>1.207</b>



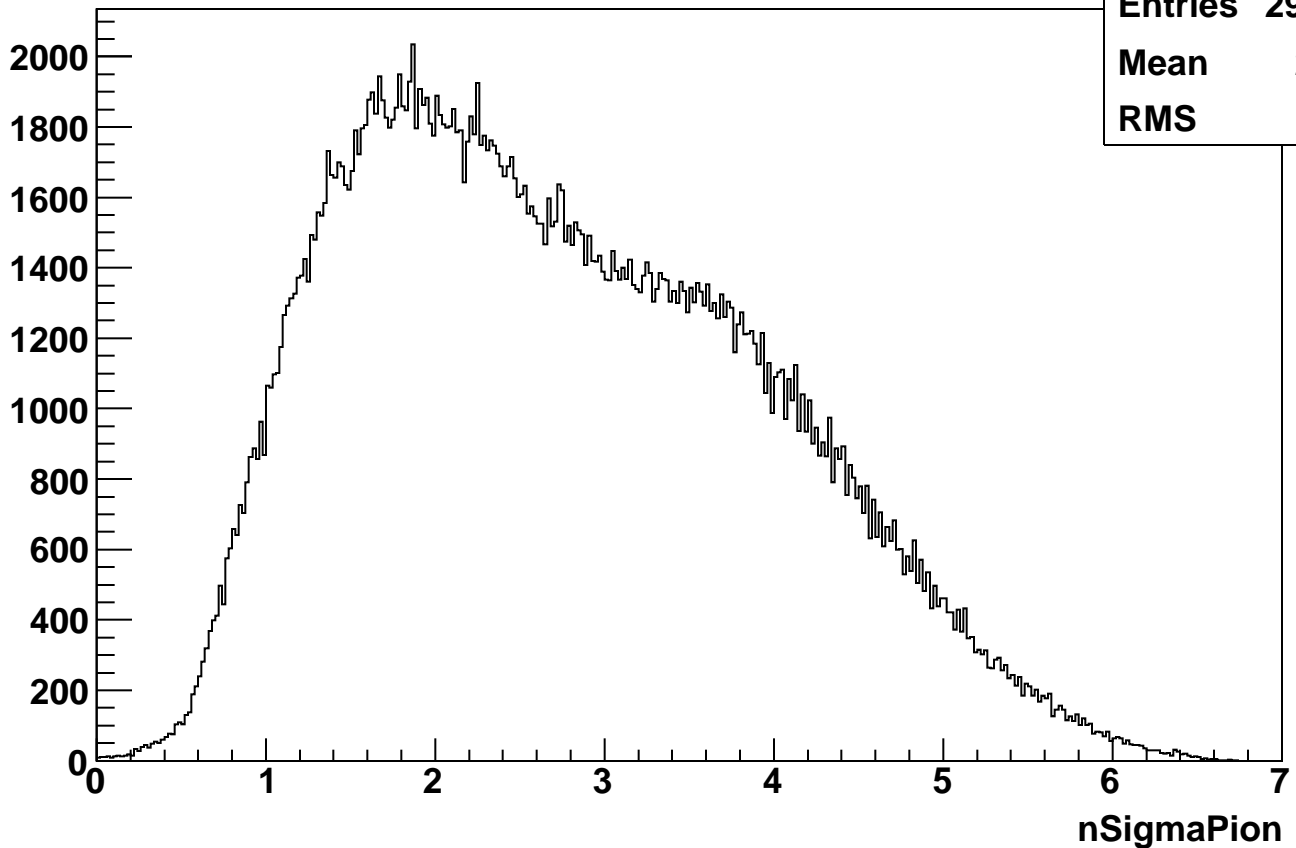
**nSigmaElectron-pionCut-applied**



**nSigmaElectron\_33**

<b>Entries</b>	<b>127606</b>
<b>Mean</b>	<b>0.1359</b>
<b>RMS</b>	<b>0.8189</b>

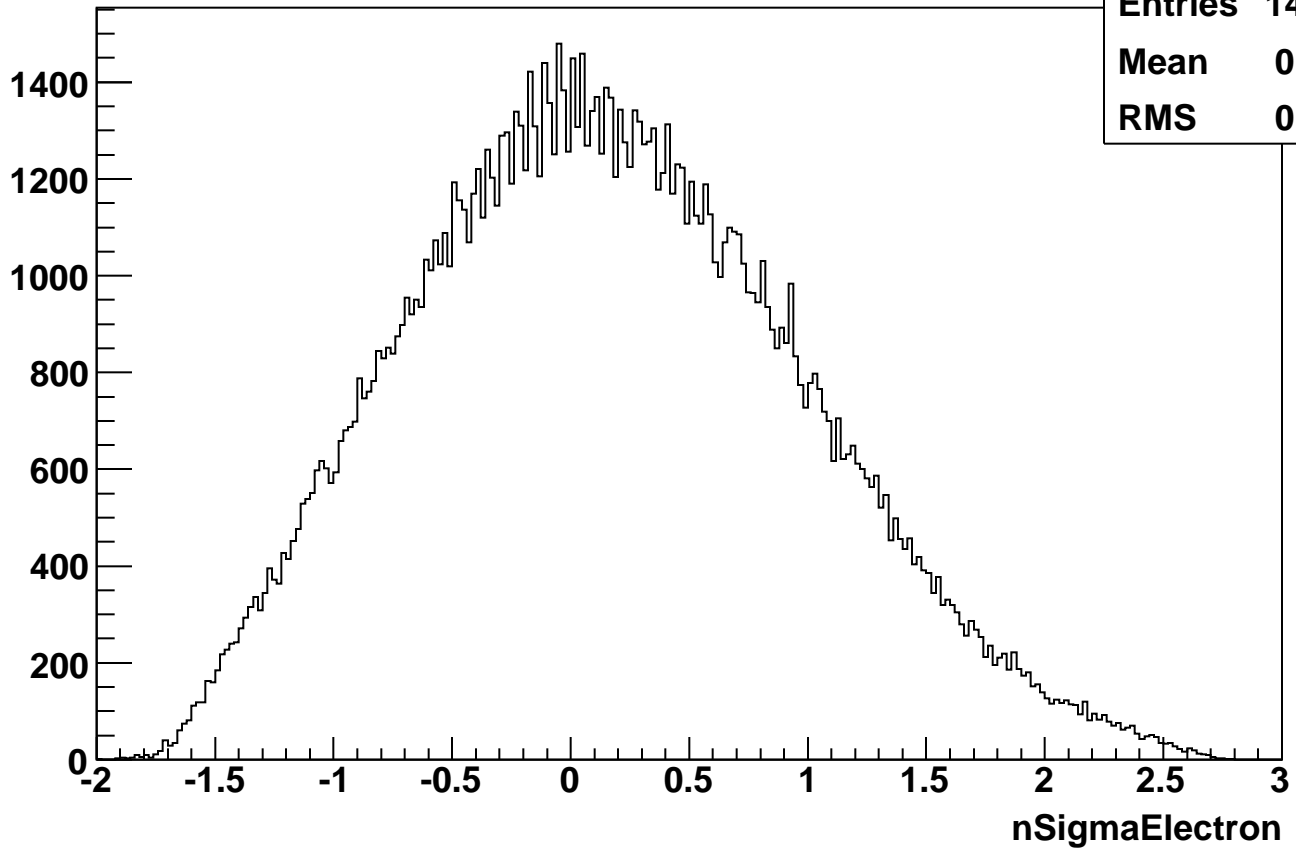
**nSigmaPion-ElectronCut-applied**



**nSigmaPion\_33**

<b>Entries</b>	<b>292885</b>
<b>Mean</b>	<b>2.736</b>
<b>RMS</b>	<b>1.212</b>

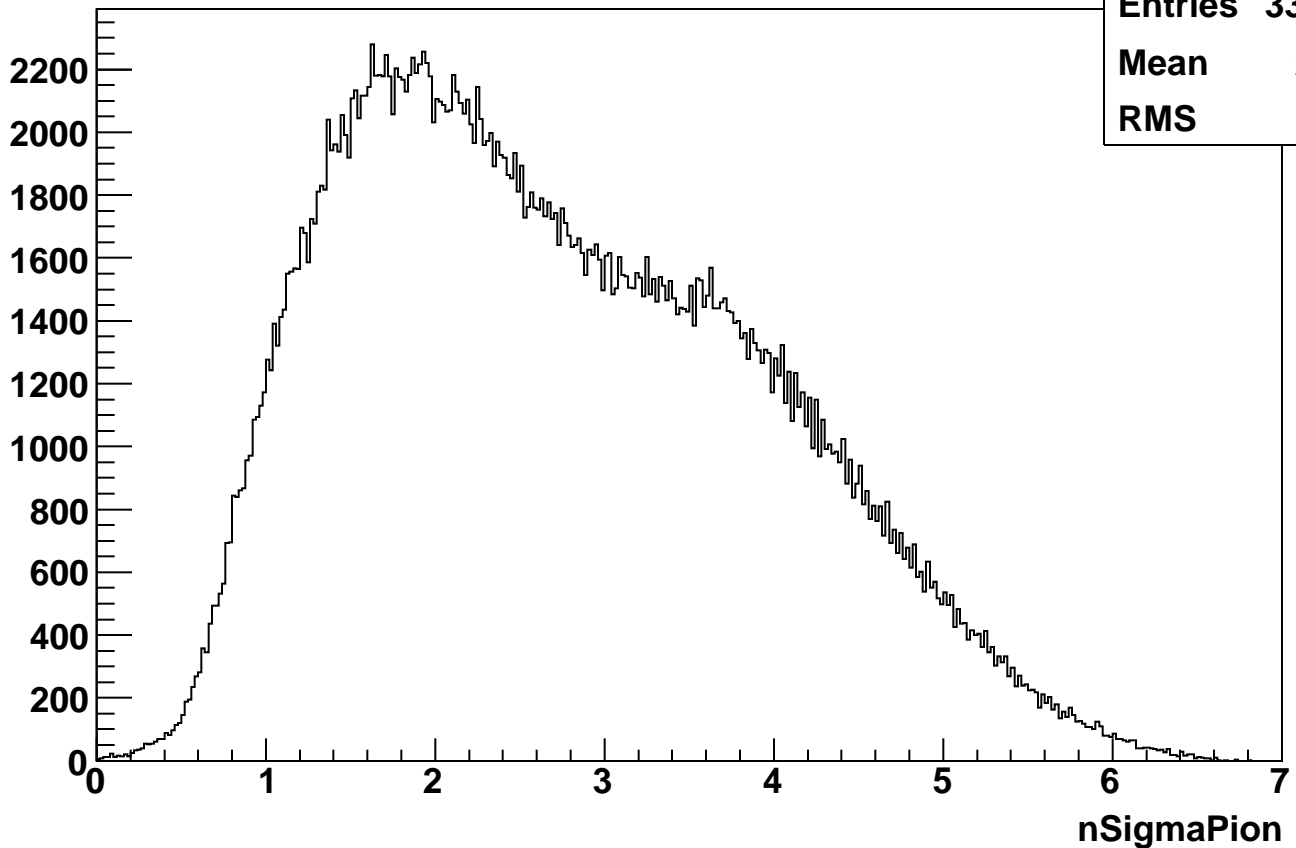
**nSigmaElectron-pionCut-applied**



**nSigmaElectron\_34**

<b>Entries</b>	<b>143929</b>
<b>Mean</b>	<b>0.1577</b>
<b>RMS</b>	<b>0.8178</b>

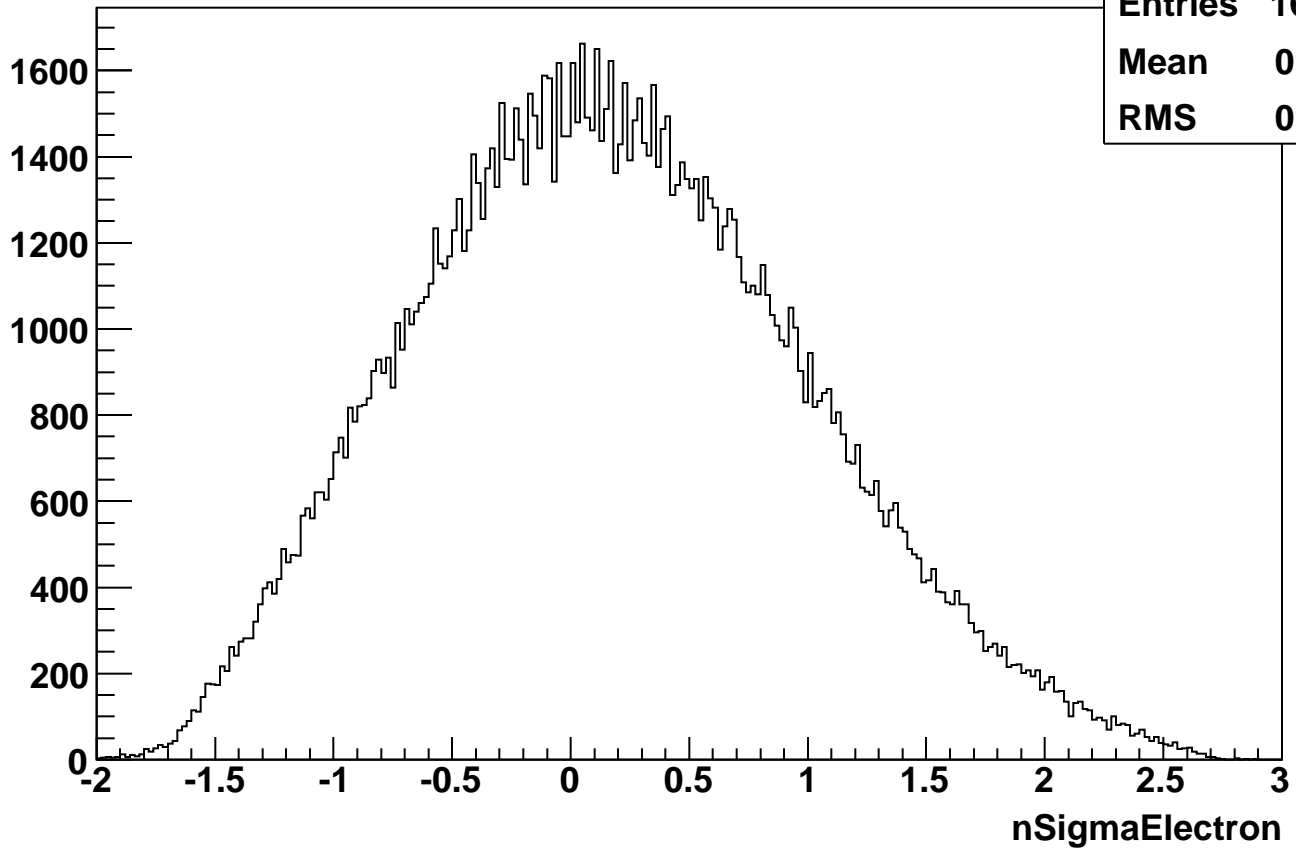
**nSigmaPion-ElectronCut-applied**



**nSigmaPion\_34**

<b>Entries</b>	<b>336385</b>
<b>Mean</b>	<b>2.719</b>
<b>RMS</b>	<b>1.221</b>

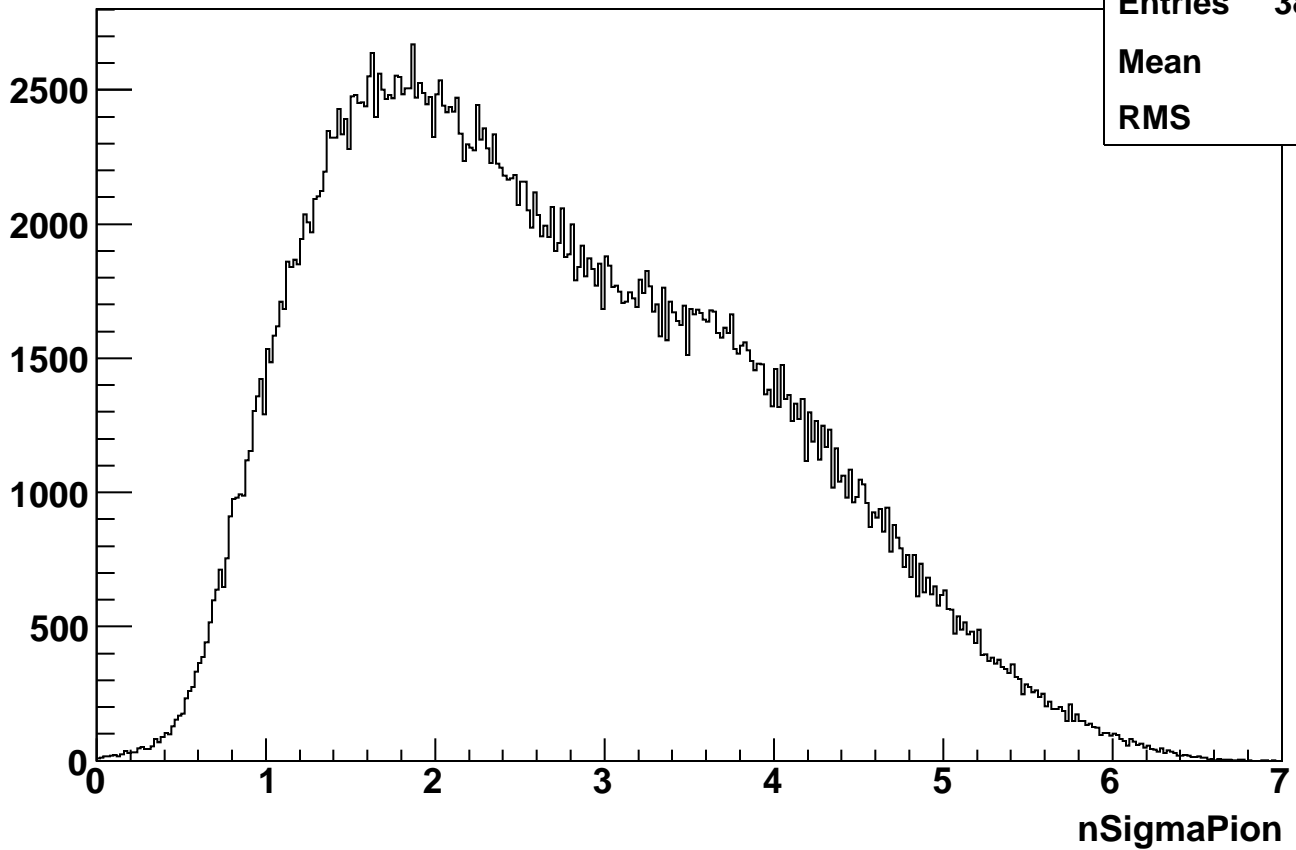
**nSigmaElectron-pionCut-applied**



**nSigmaElectron\_35**

<b>Entries</b>	<b>162211</b>
<b>Mean</b>	<b>0.1745</b>
<b>RMS</b>	<b>0.8166</b>

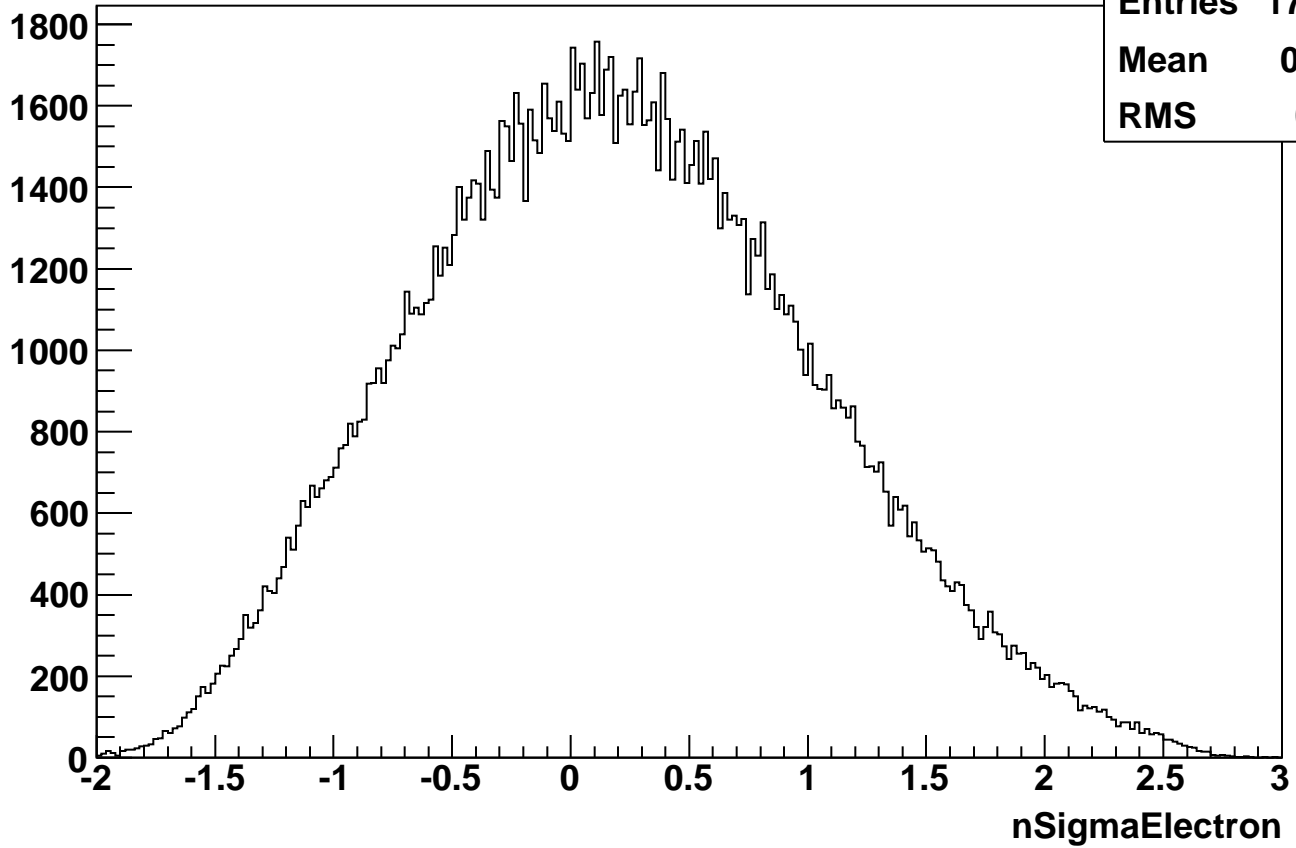
**nSigmaPion-ElectronCut-applied**



**nSigmaPion\_35**

<b>Entries</b>	<b>386758</b>
<b>Mean</b>	<b>2.702</b>
<b>RMS</b>	<b>1.226</b>

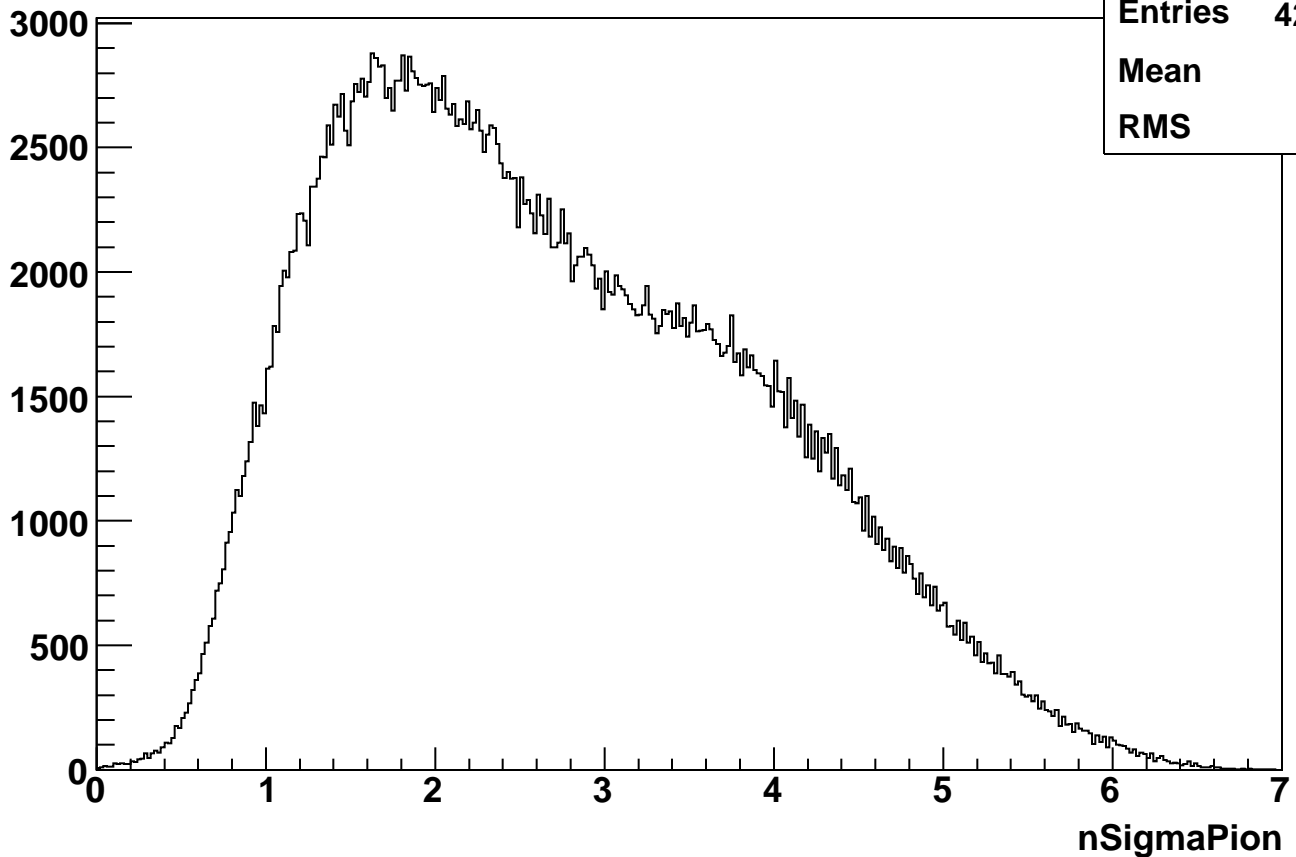
**nSigmaElectron-pionCut-applied**



**nSigmaElectron\_36**

<b>Entries</b>	<b>176253</b>
<b>Mean</b>	<b>0.1941</b>
<b>RMS</b>	<b>0.826</b>

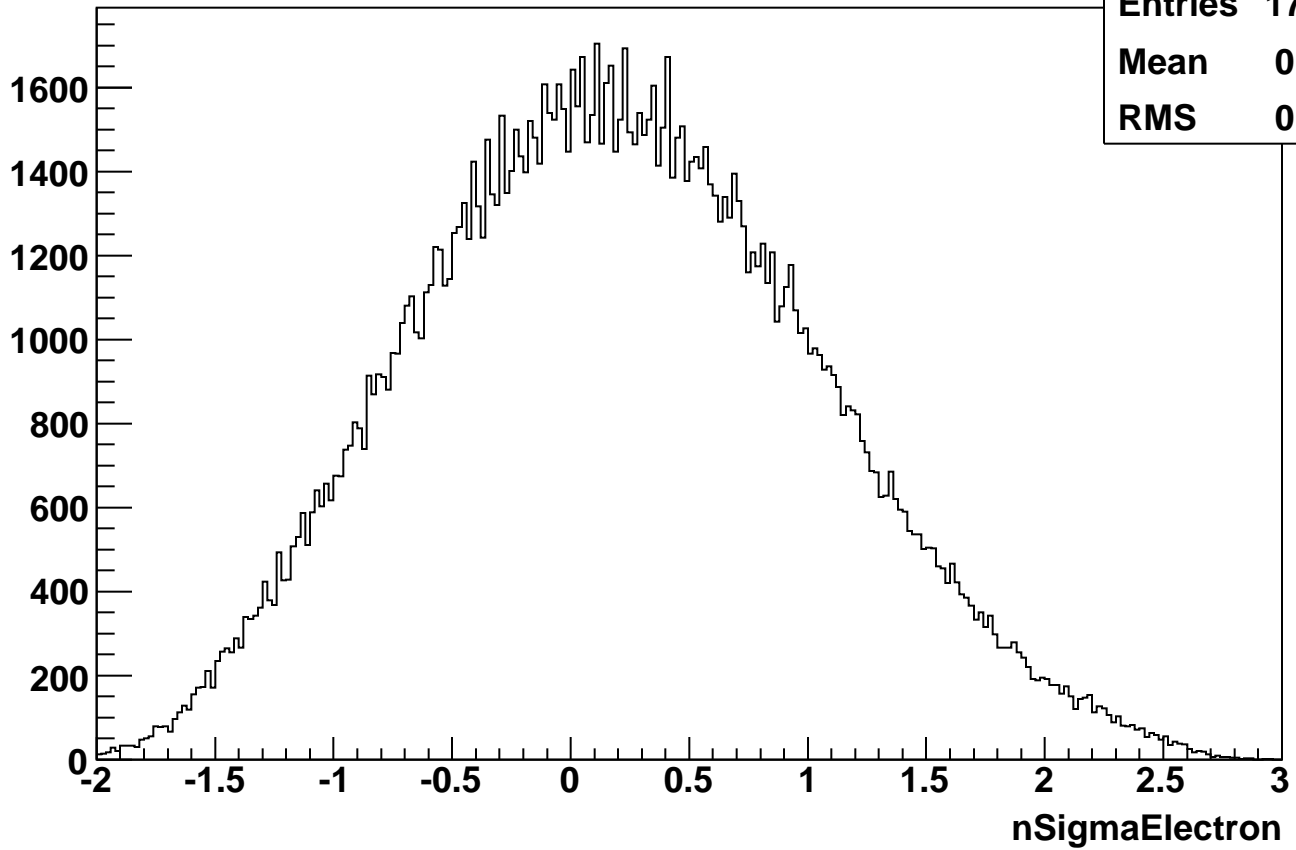
**nSigmaPion-ElectronCut-applied**



**nSigmaPion\_36**

<b>Entries</b>	<b>424774</b>
<b>Mean</b>	<b>2.691</b>
<b>RMS</b>	<b>1.226</b>

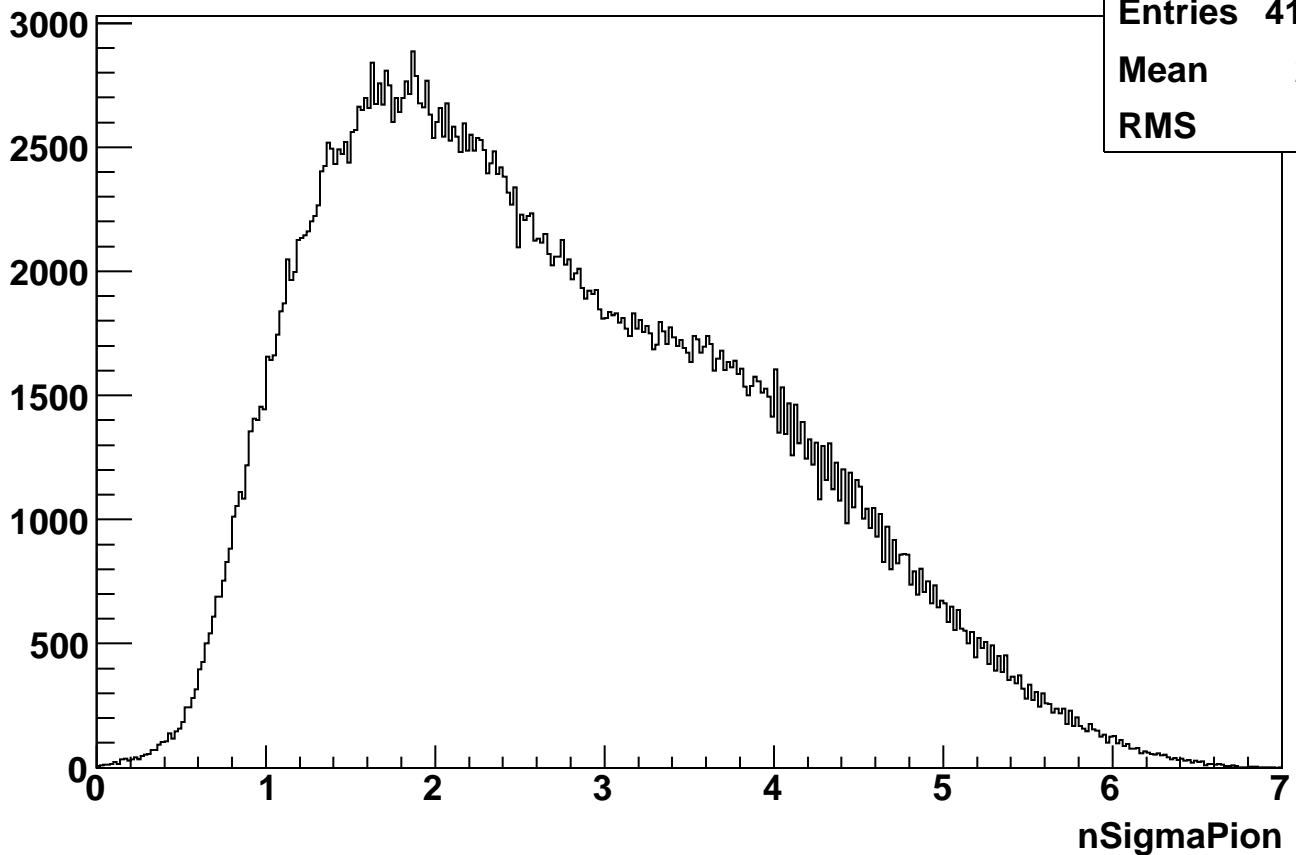
**nSigmaElectron-pionCut-applied**



**nSigmaElectron\_37**

<b>Entries</b>	<b>171760</b>
<b>Mean</b>	<b>0.2005</b>
<b>RMS</b>	<b>0.8354</b>

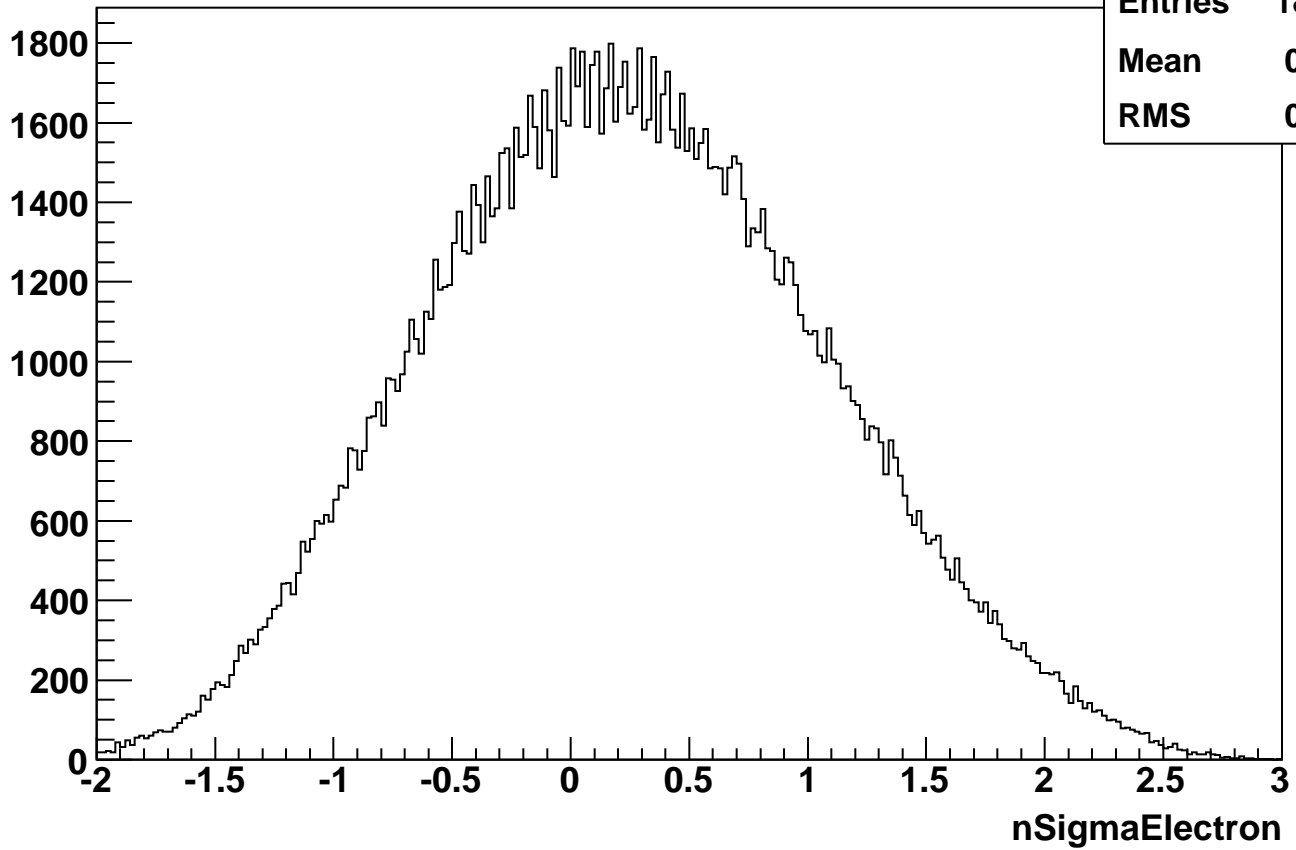
**nSigmaPion-ElectronCut-applied**



**nSigmaPion\_37**

<b>Entries</b>	<b>411459</b>
<b>Mean</b>	<b>2.702</b>
<b>RMS</b>	<b>1.24</b>

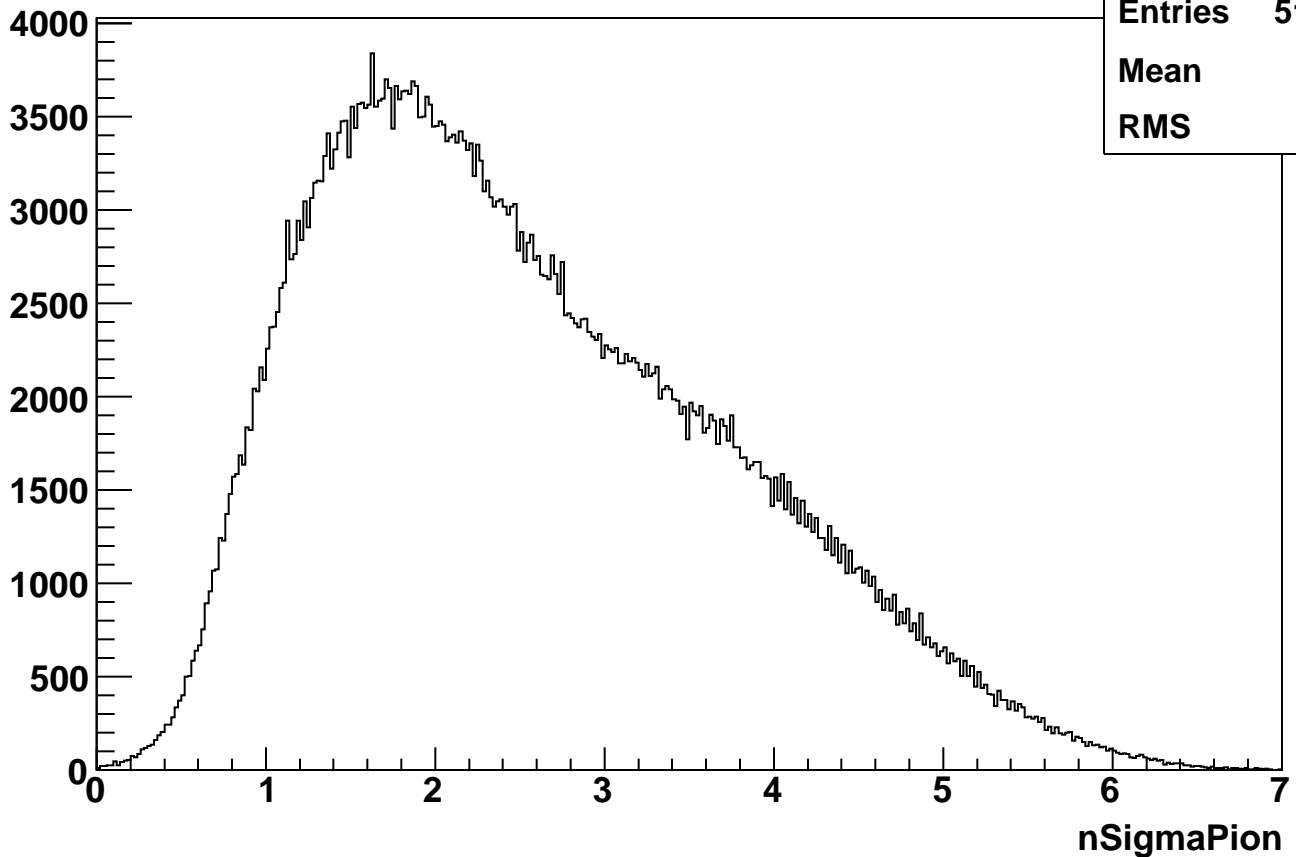
**nSigmaElectron-pionCut-applied**



**nSigmaElectron\_38**

<b>Entries</b>	<b>182188</b>
<b>Mean</b>	<b>0.2418</b>
<b>RMS</b>	<b>0.8233</b>

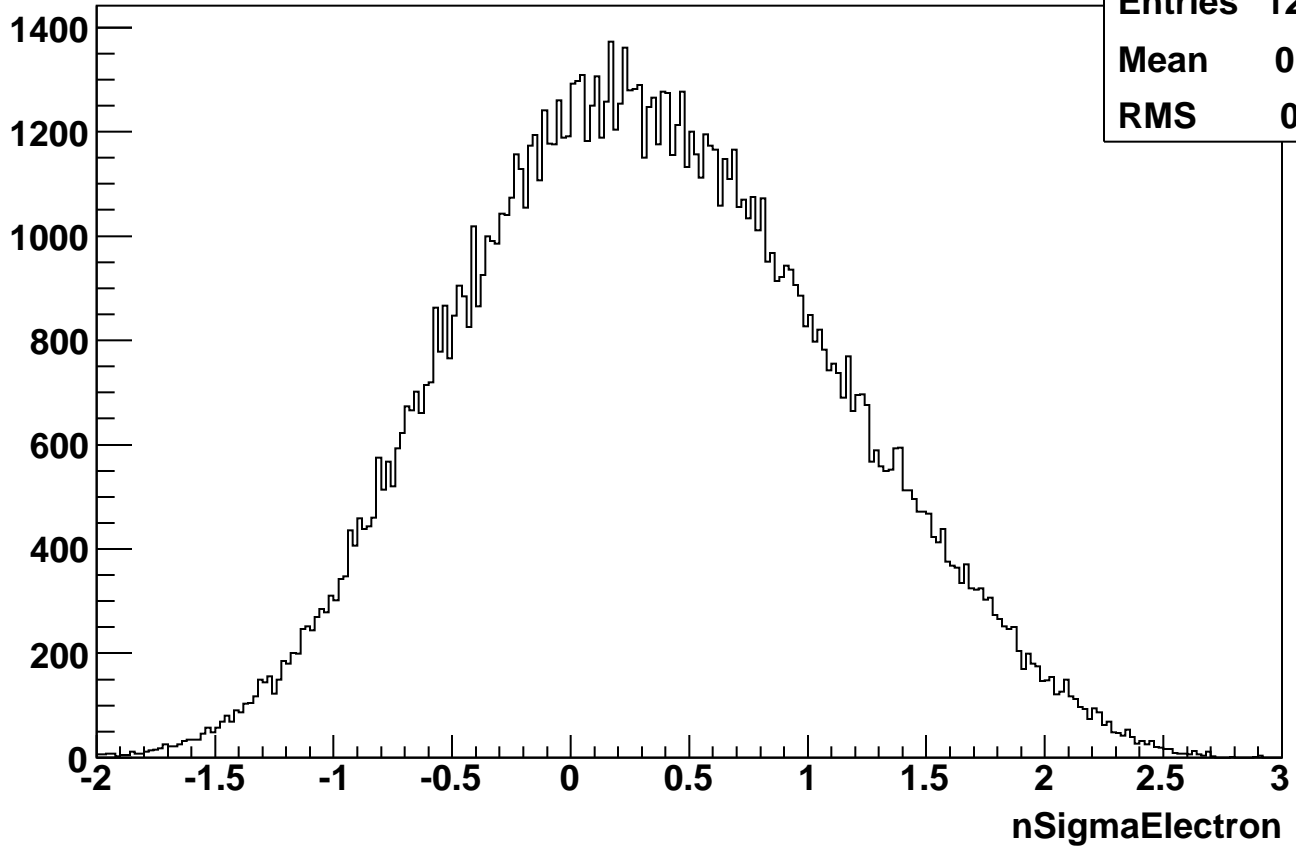
**nSigmaPion-ElectronCut-applied**



**nSigmaPion\_38**

<b>Entries</b>	<b>510308</b>
<b>Mean</b>	<b>2.546</b>
<b>RMS</b>	<b>1.202</b>

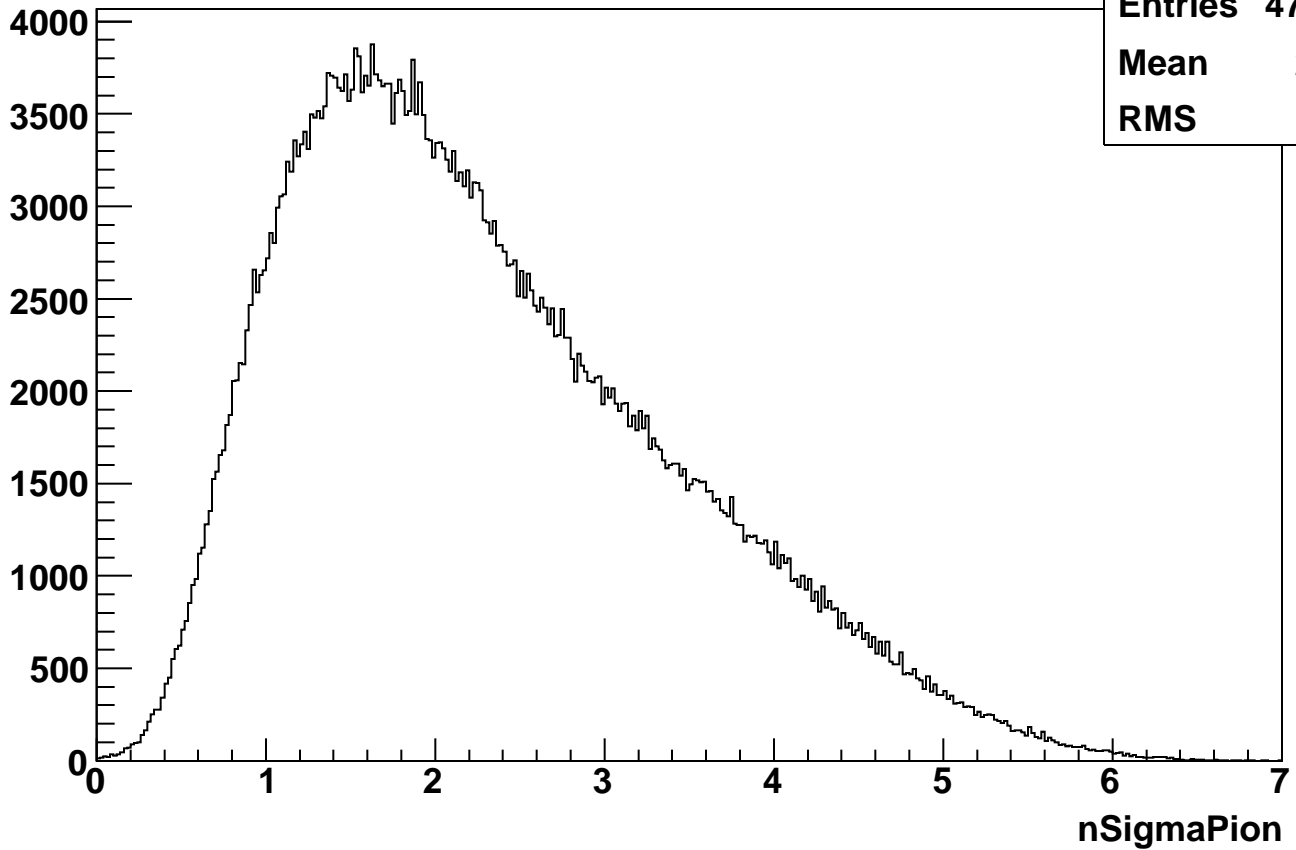
**nSigmaElectron-pionCut-applied**



**nSigmaElectron\_39**

<b>Entries</b>	<b>128545</b>
<b>Mean</b>	<b>0.3243</b>
<b>RMS</b>	<b>0.7731</b>

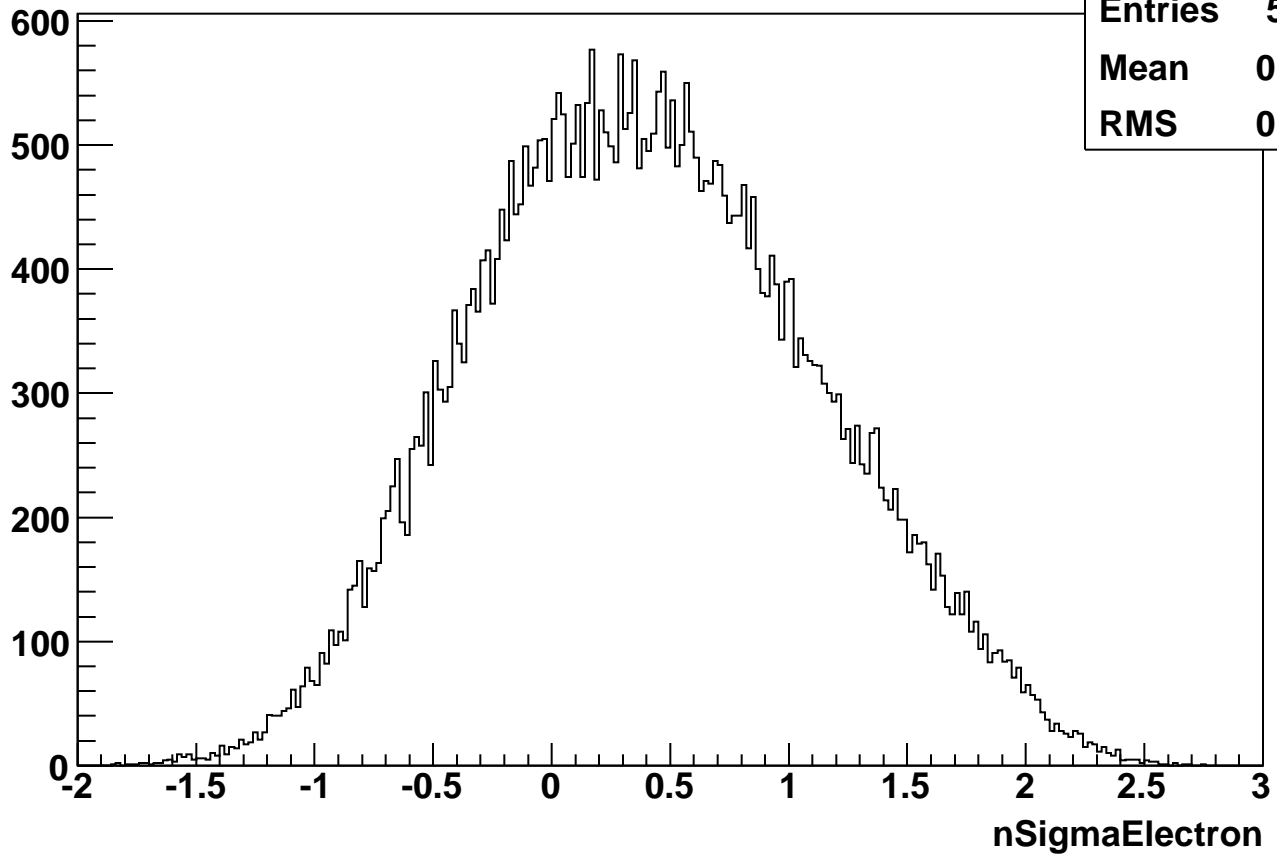
**nSigmaPion-ElectronCut-applied**



**nSigmaPion\_39**

<b>Entries</b>	<b>476740</b>
<b>Mean</b>	<b>2.304</b>
<b>RMS</b>	<b>1.13</b>

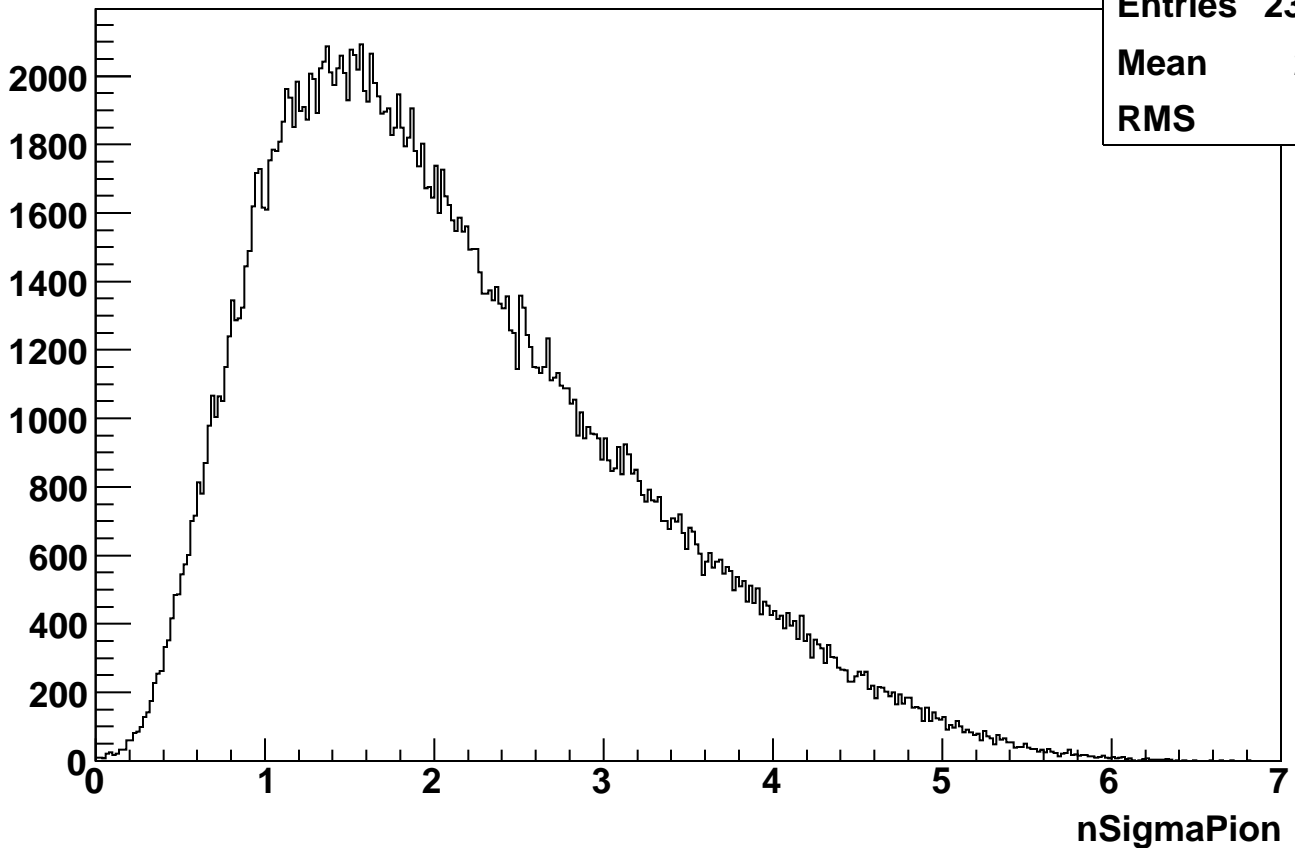
**nSigmaElectron-pionCut-applied**



**nSigmaElectron\_40**

<b>Entries</b>	<b>50019</b>
<b>Mean</b>	<b>0.4042</b>
<b>RMS</b>	<b>0.7148</b>

**nSigmaPion-ElectronCut-applied**



**nSigmaPion\_40**

<b>Entries</b>	<b>239545</b>
<b>Mean</b>	<b>2.117</b>
<b>RMS</b>	<b>1.067</b>