

Pixel Studies using APE

Alignment Meeting Hamburg
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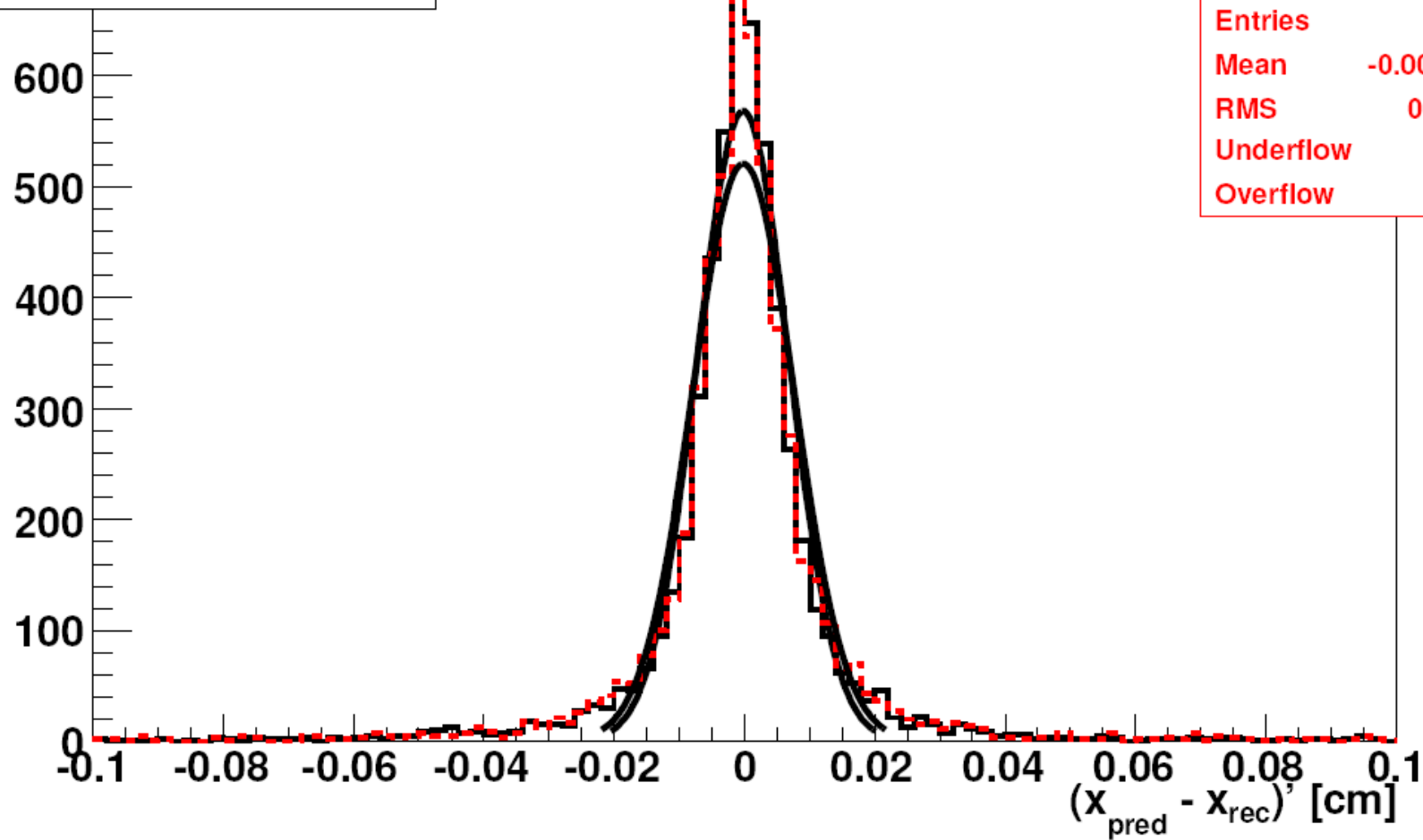
Configuration

- $P_t > 4\text{GeV}$
- $\text{Chi}^2 < 100$
- $N_{\text{Hit}} \geq 10$
- $n_{\text{Hit}}(2D) \geq 2$

- $\text{APE}(\text{Strip}) = 0$
- $\text{APE}(\text{Pixel}) = \text{SurveyLasOnly} * 1000$

Residual for TPBBarrel 0 in Pixel

— allZeroAPE
- - - PixelBlownUpAPE



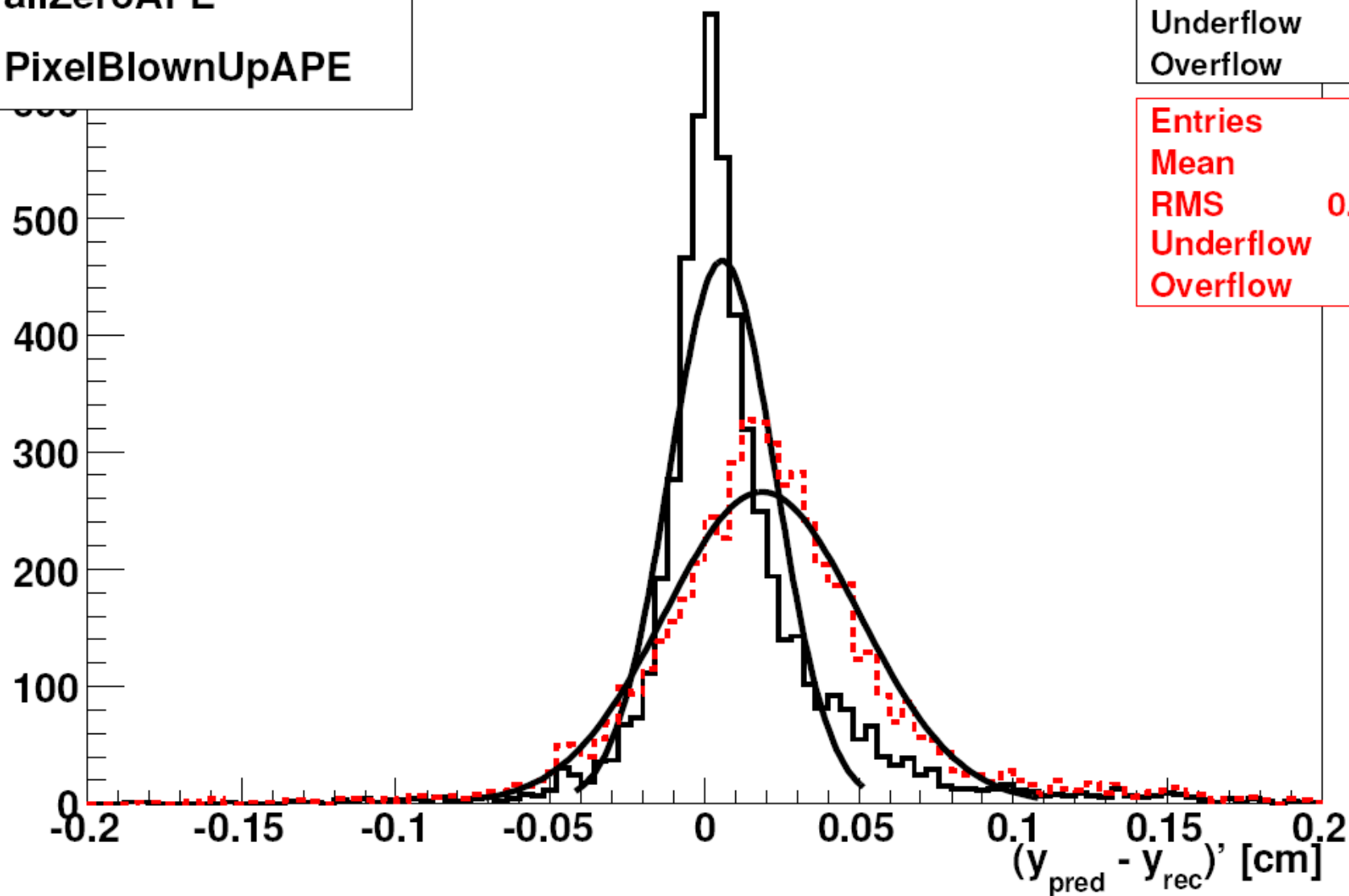
Residual for TPBBarrel 0 in Pixel

— allZeroAPE

--- PixelBlownUpAPE

Entries	5605
Mean	0.01088
RMS	0.03224
Underflow	8
Overflow	46

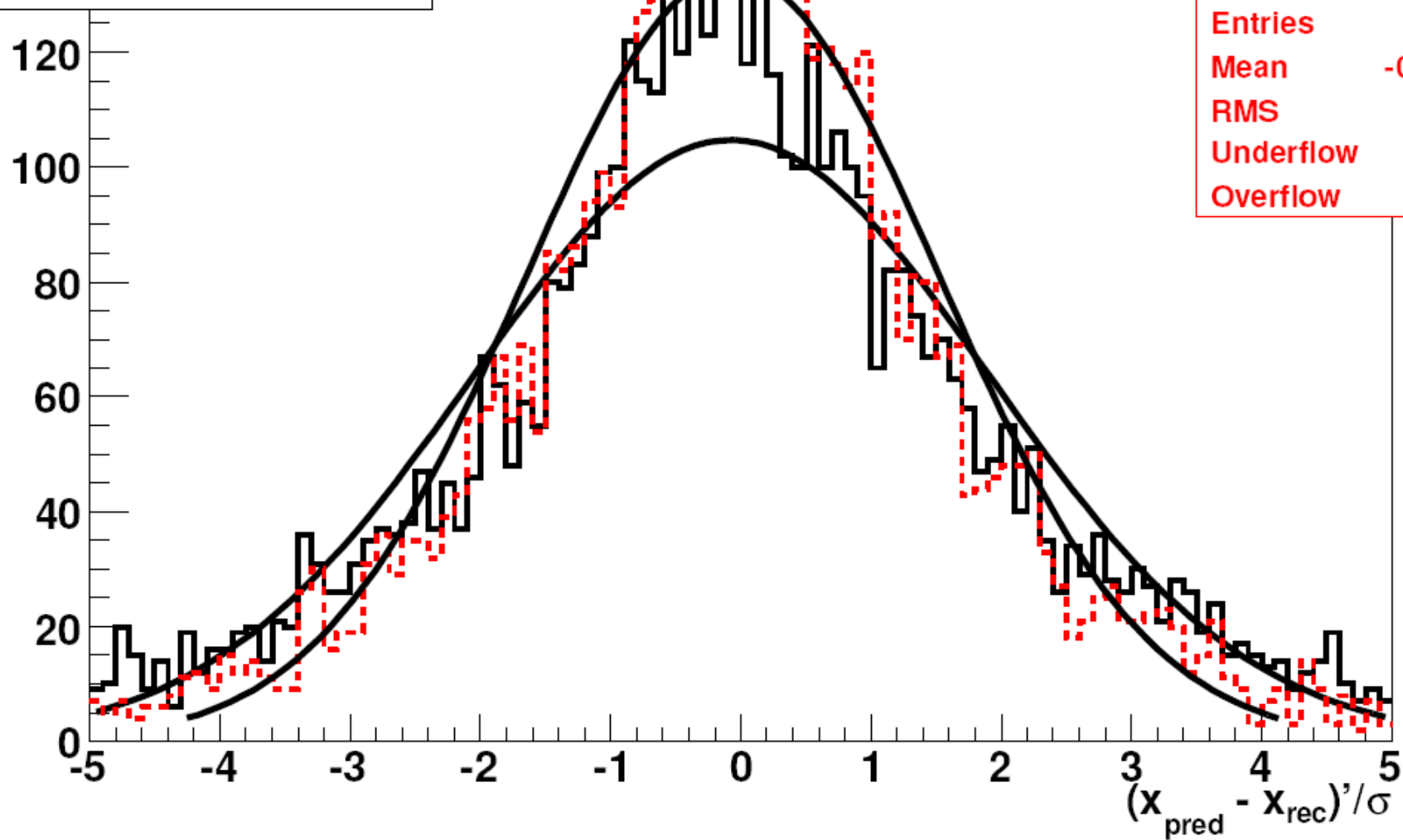
Entries	5606
Mean	0.021
RMS	0.0409
Underflow	14
Overflow	66



Backup

Residual for TPBBarrel 0 in Pixel

— allZeroAPE
- - PixelBlownUpAPE

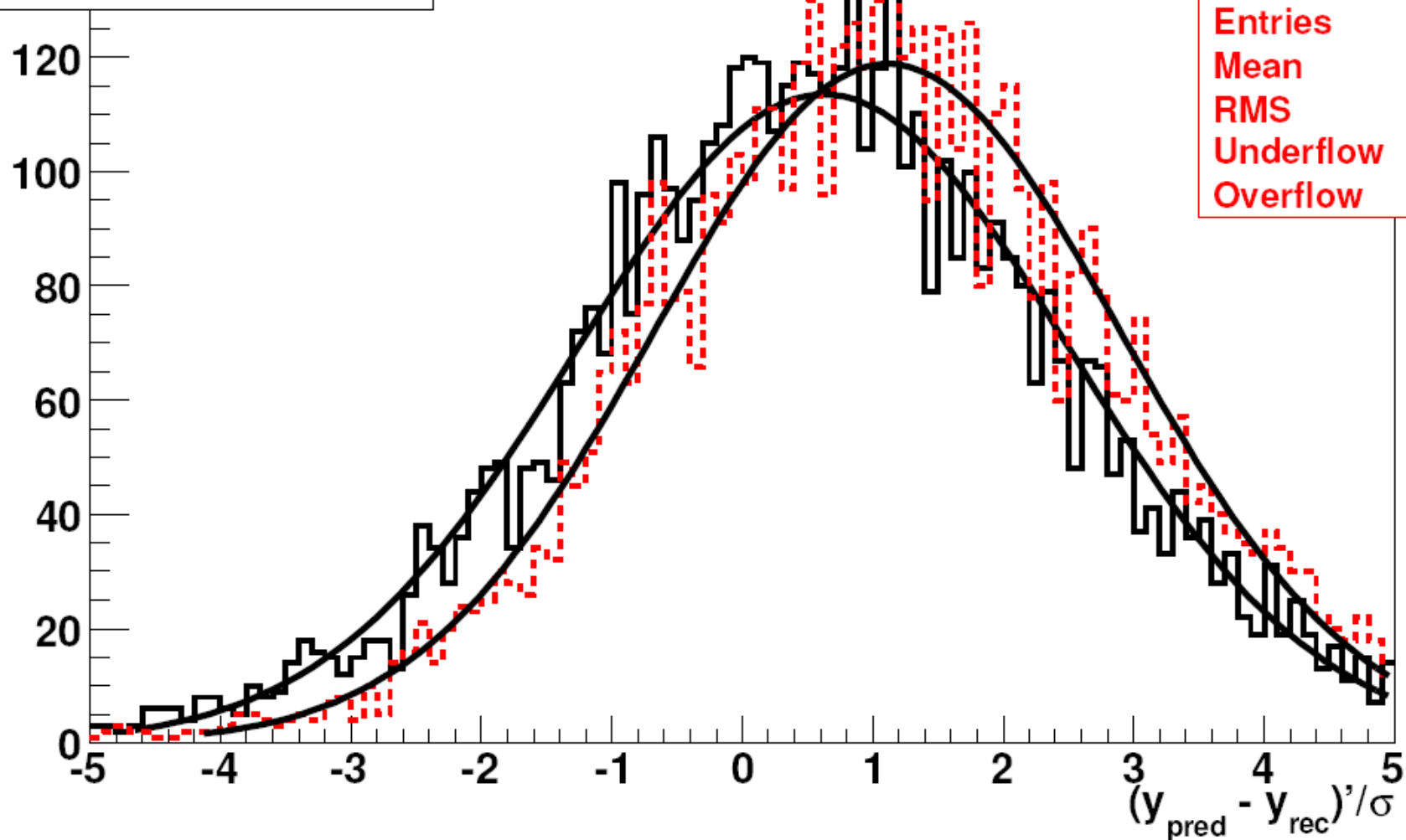


Residual for TPBBarrel 0 in Pixel

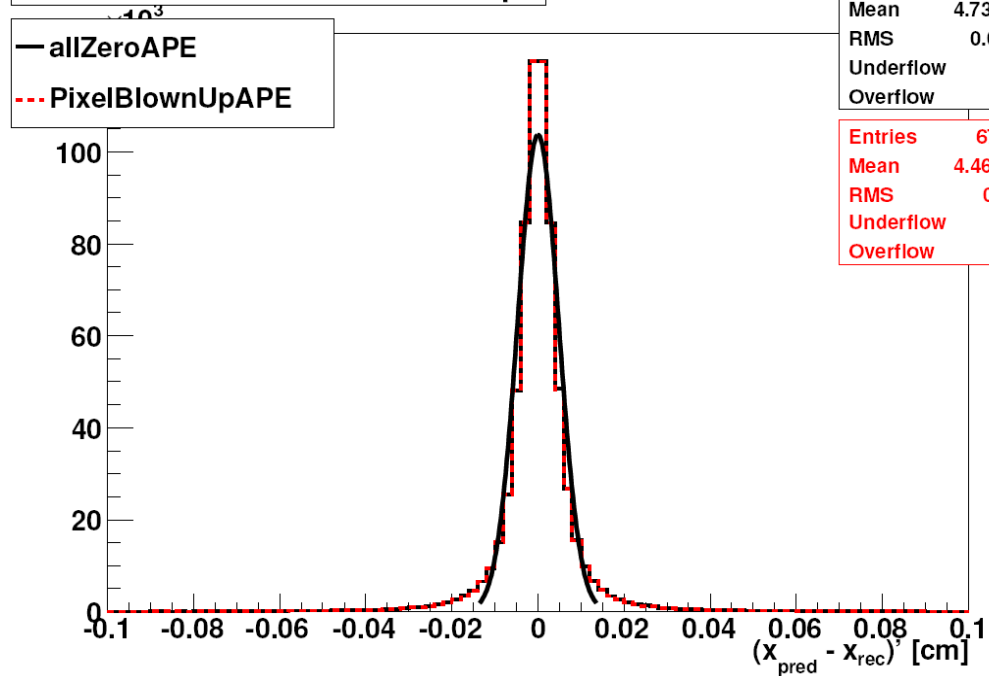
— allZeroAPE
 - - - PixelBlownUpAPE

Entries	5605
Mean	0.5761
RMS	1.818
Underflow	37
Overflow	249

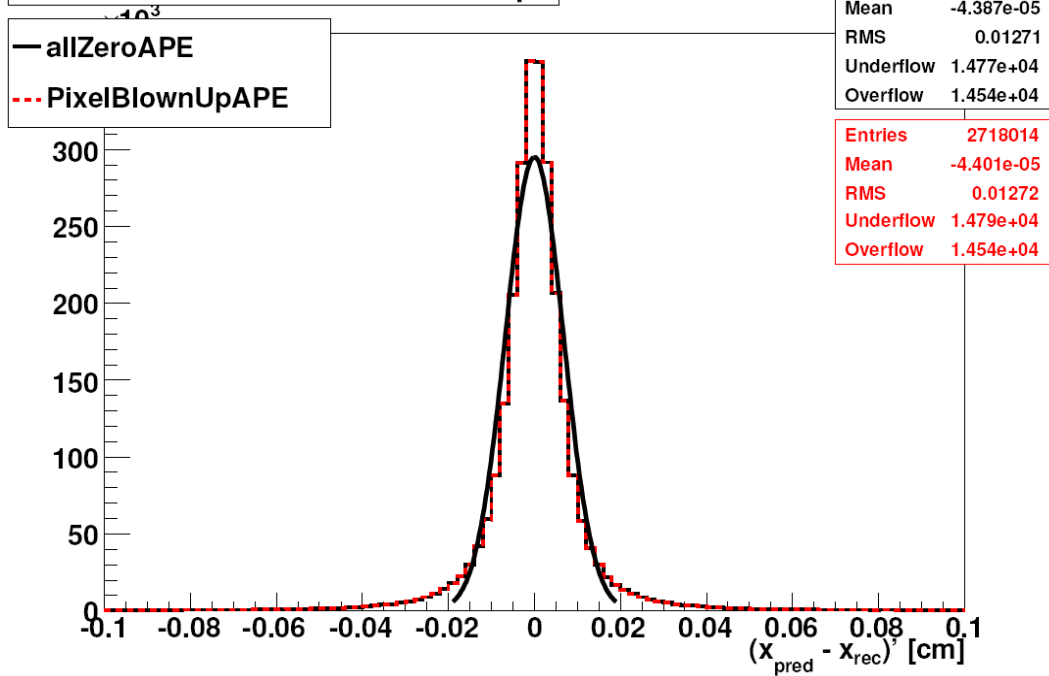
Entries	5606
Mean	1.038
RMS	1.719
Underflow	12
Overflow	344



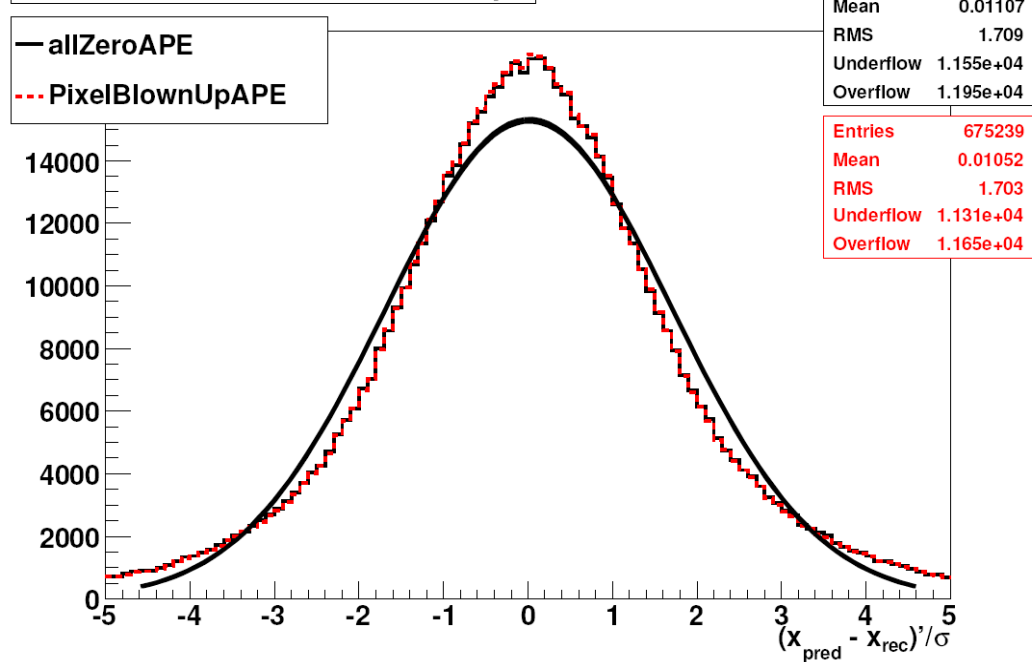
Residual for TIBBarrel 0 in Strip



Residual for TOBBarrel 3 in Strip



Residual for TIBBarrel 0 in Strip



Residual for TOBBarrel 3 in Strip

