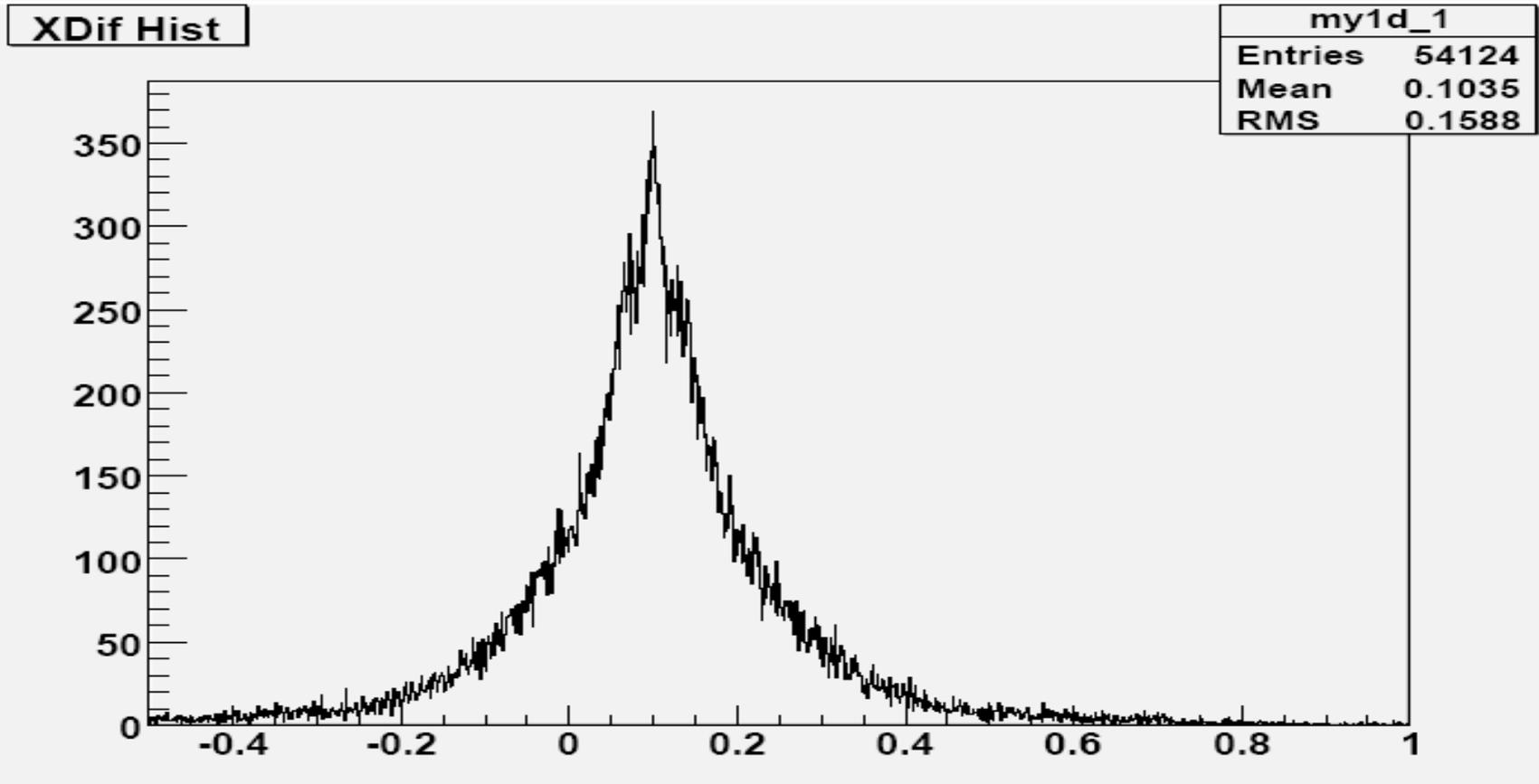


TPC Cluster Fitter

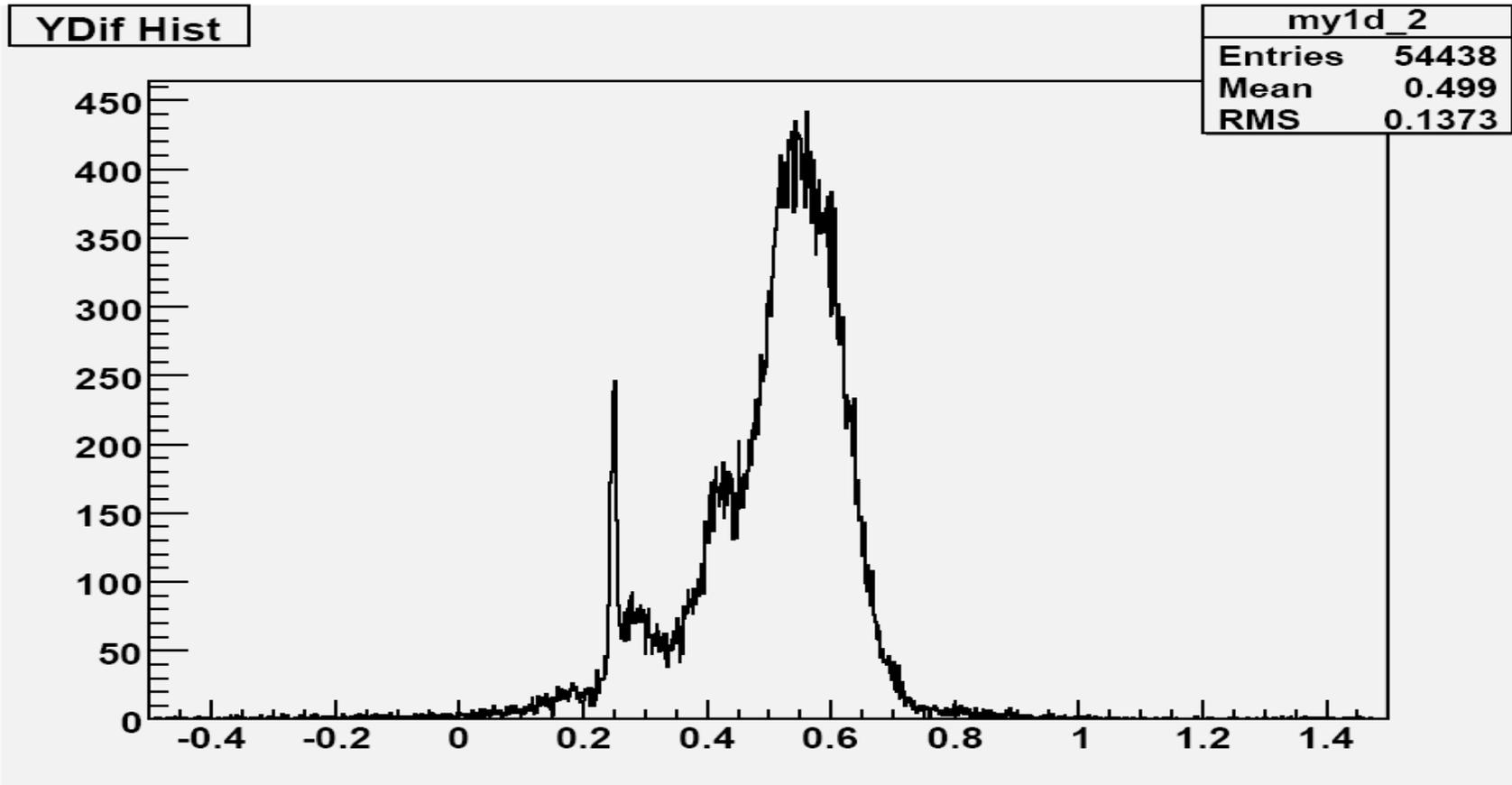
Fitter to Center of Mass
TPC Cluster Hit Comparisons
for Single Hit Clusters.

XMean - XFitted



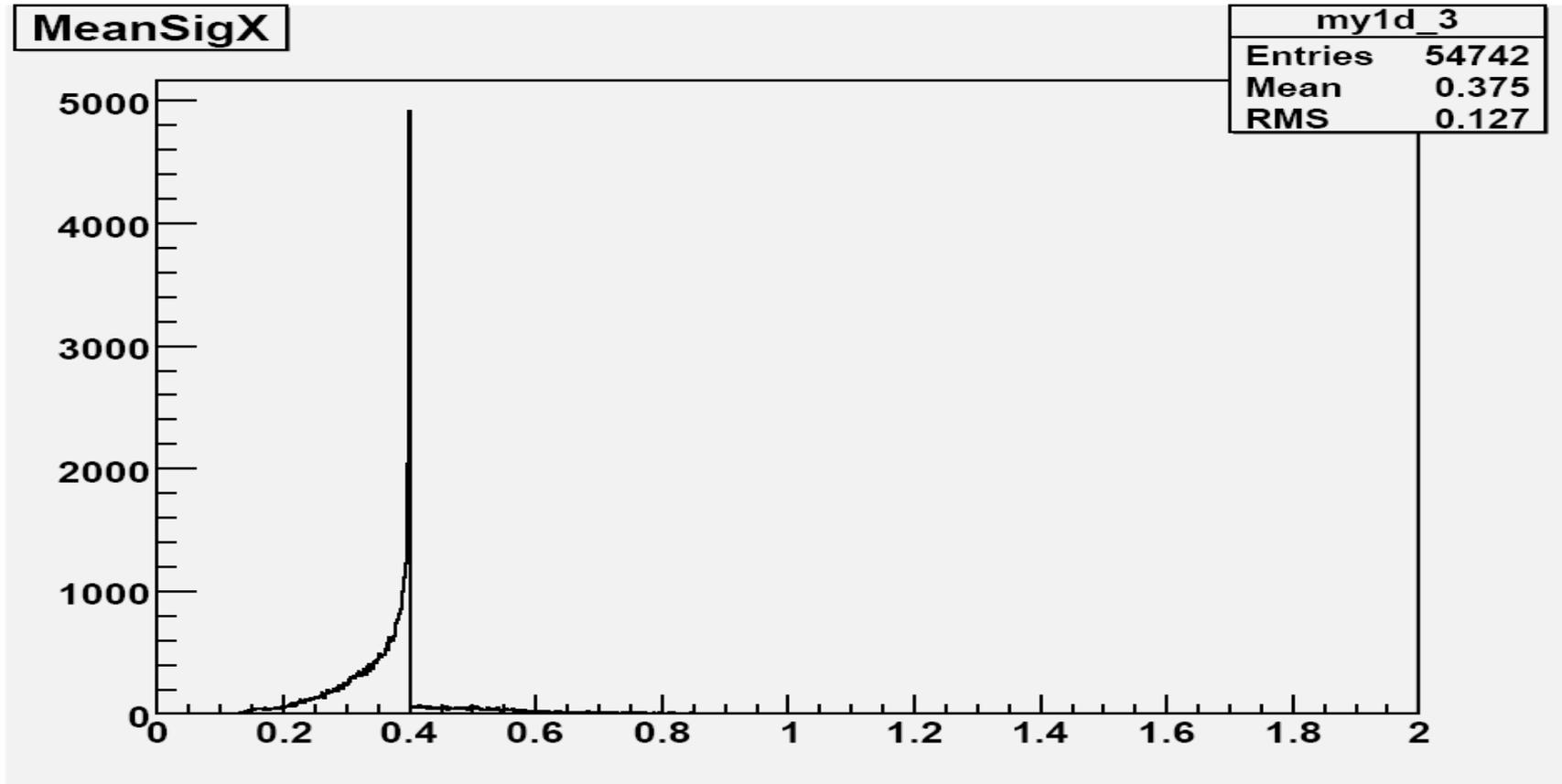
- There is a ~ 0.1 average offset between the Mean and the Fit. I haven't tracked this down yet.

YMean - YFitted



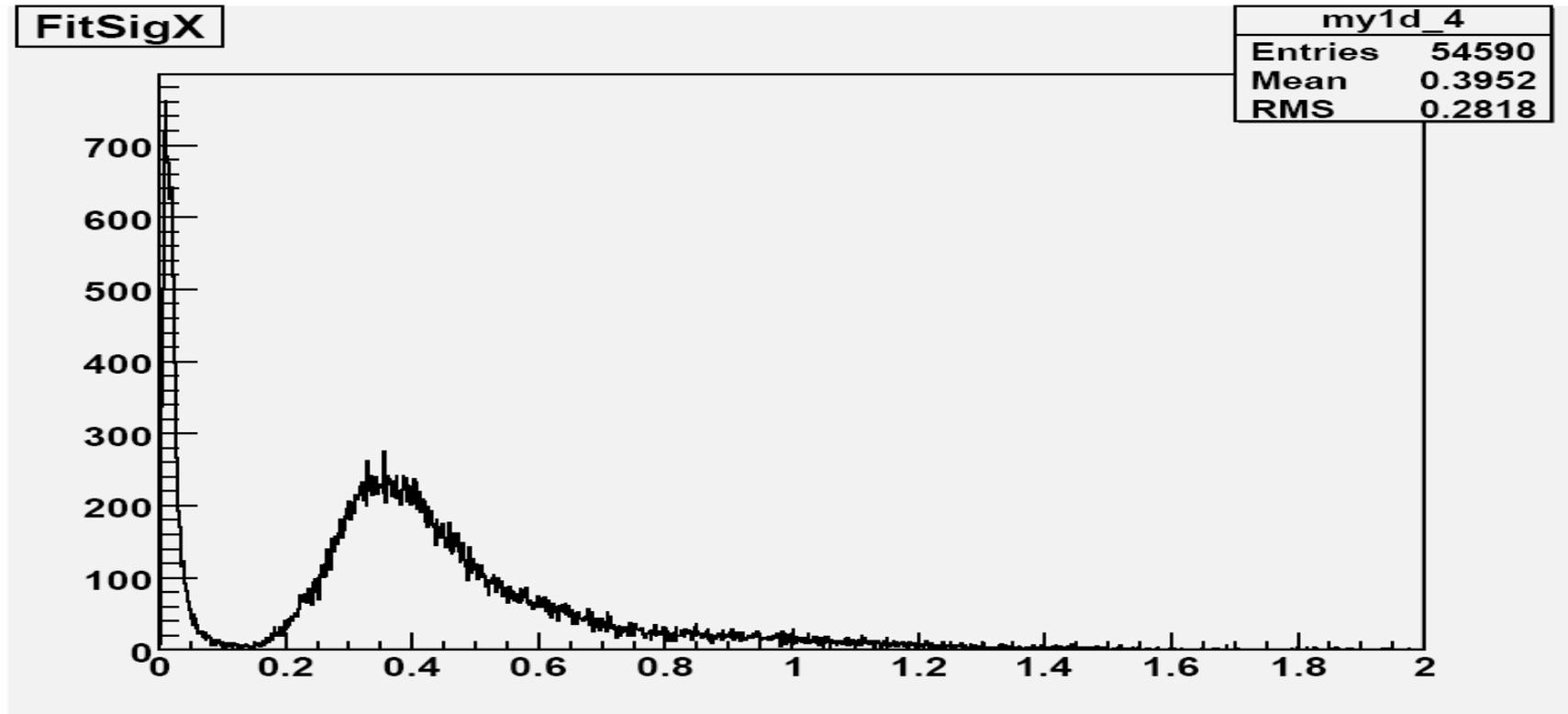
- For the Y Position, we expect that the Gamma Distribution's tail will pull the Mean away from the Peak of the Distribution.

MeanX Sigma



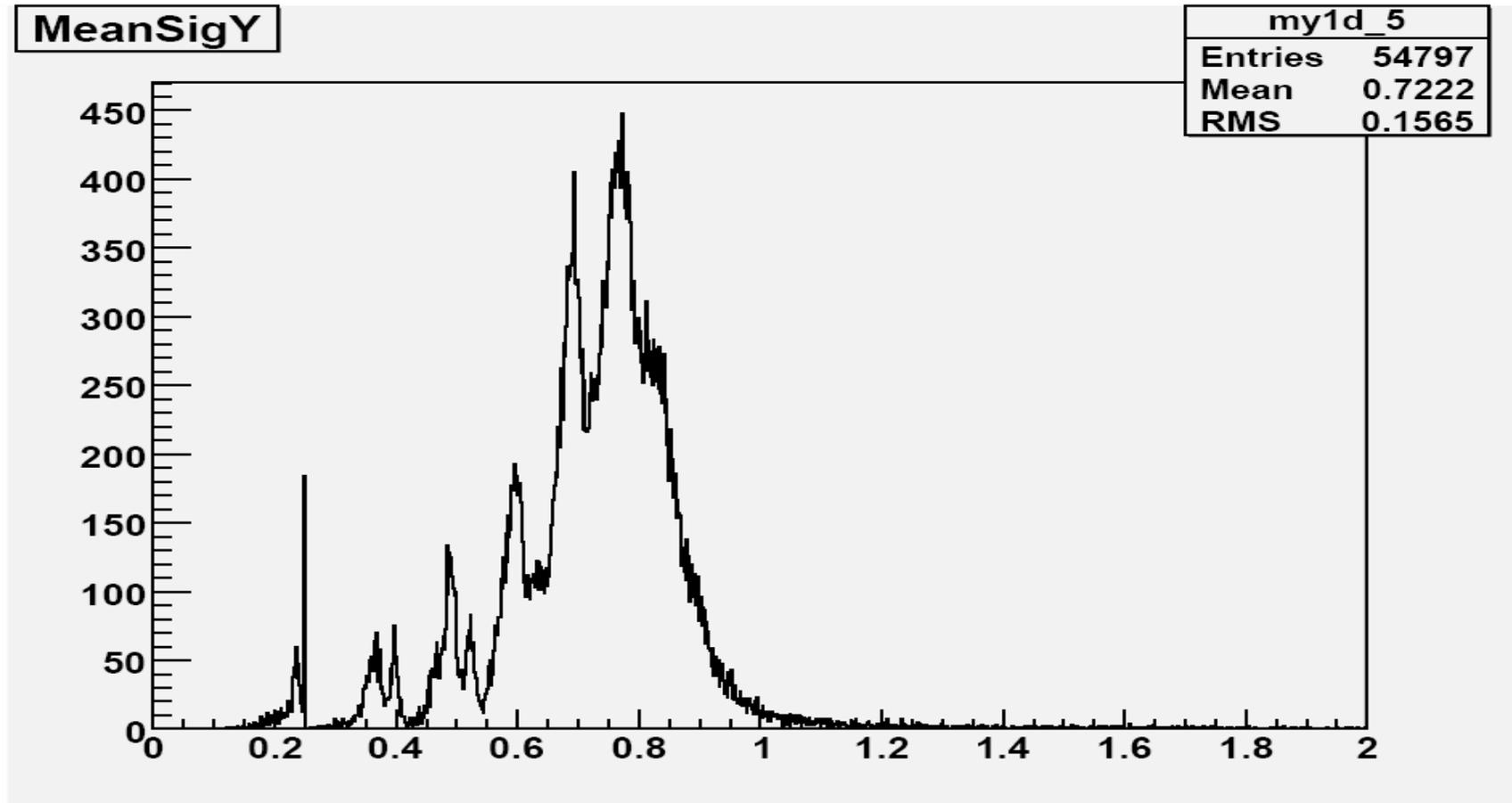
This is the width of the X-pos
Center of Mass Distribution.

Fitted X Uncertainty



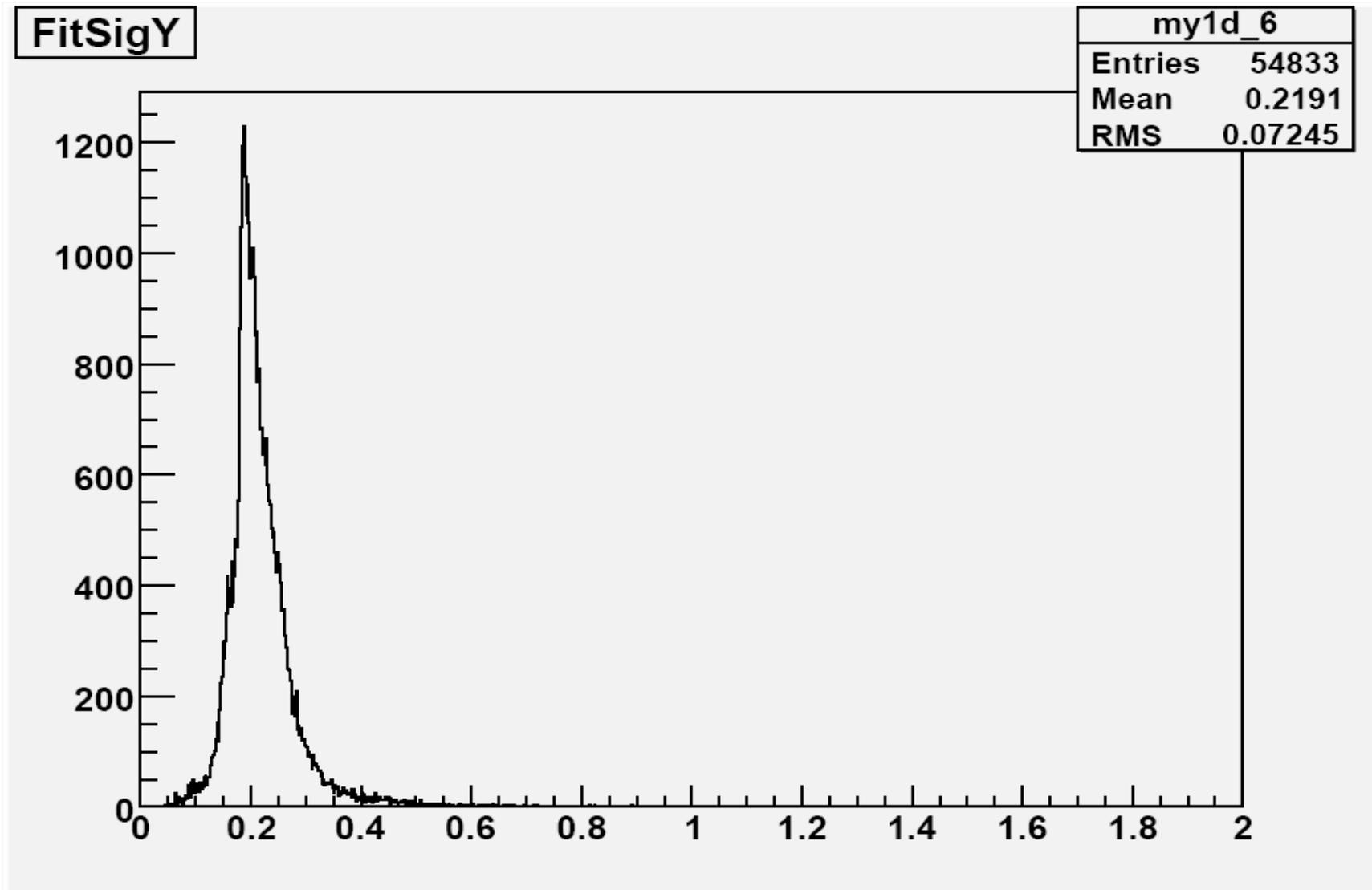
I suspect, but have not confirmed, that the Bi-modal distribution is due to clusters spanning different numbers of pads.

MeanY Sigma

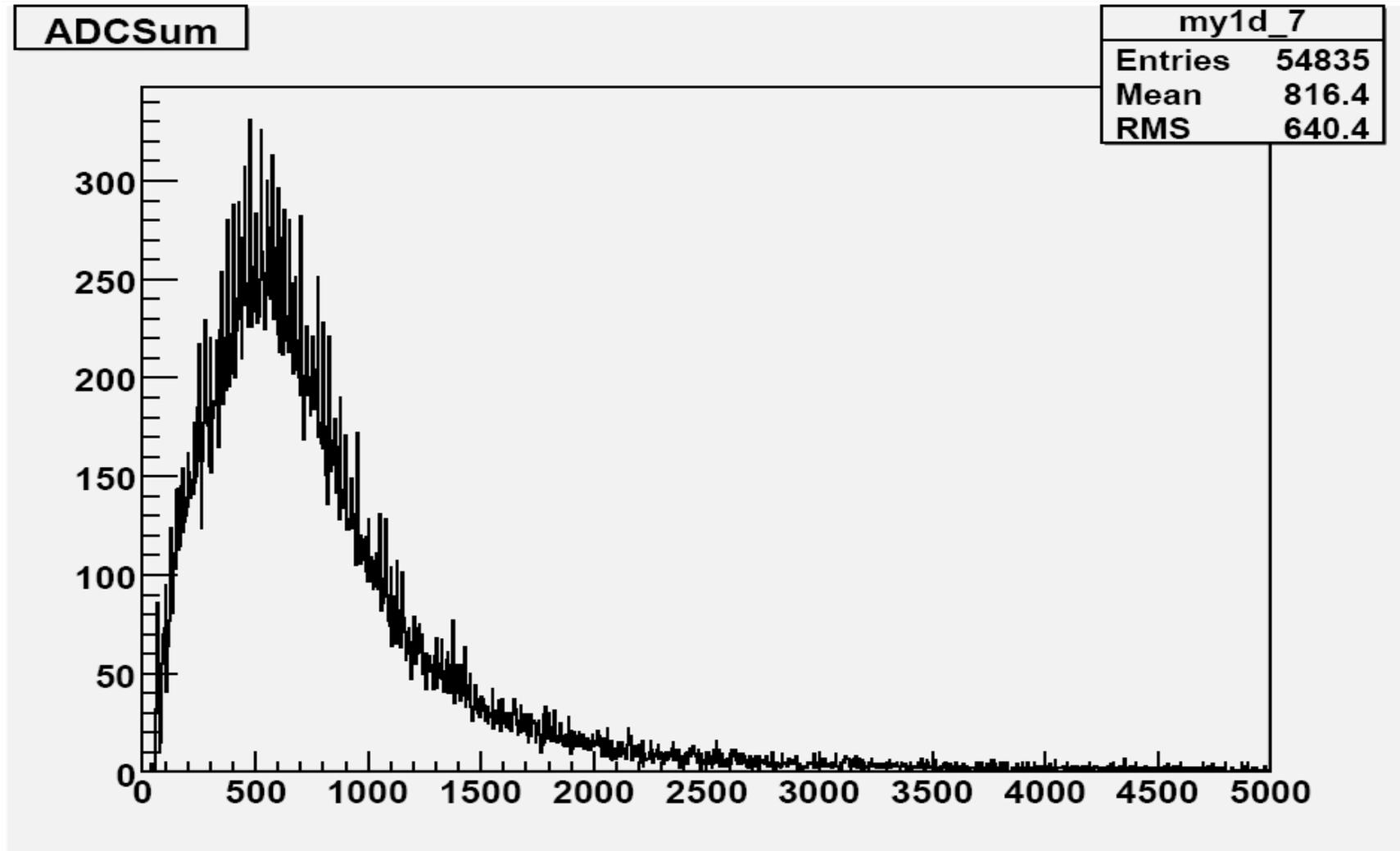


Again, I suspect, that the poly-modal shape is due to differently sized clusters

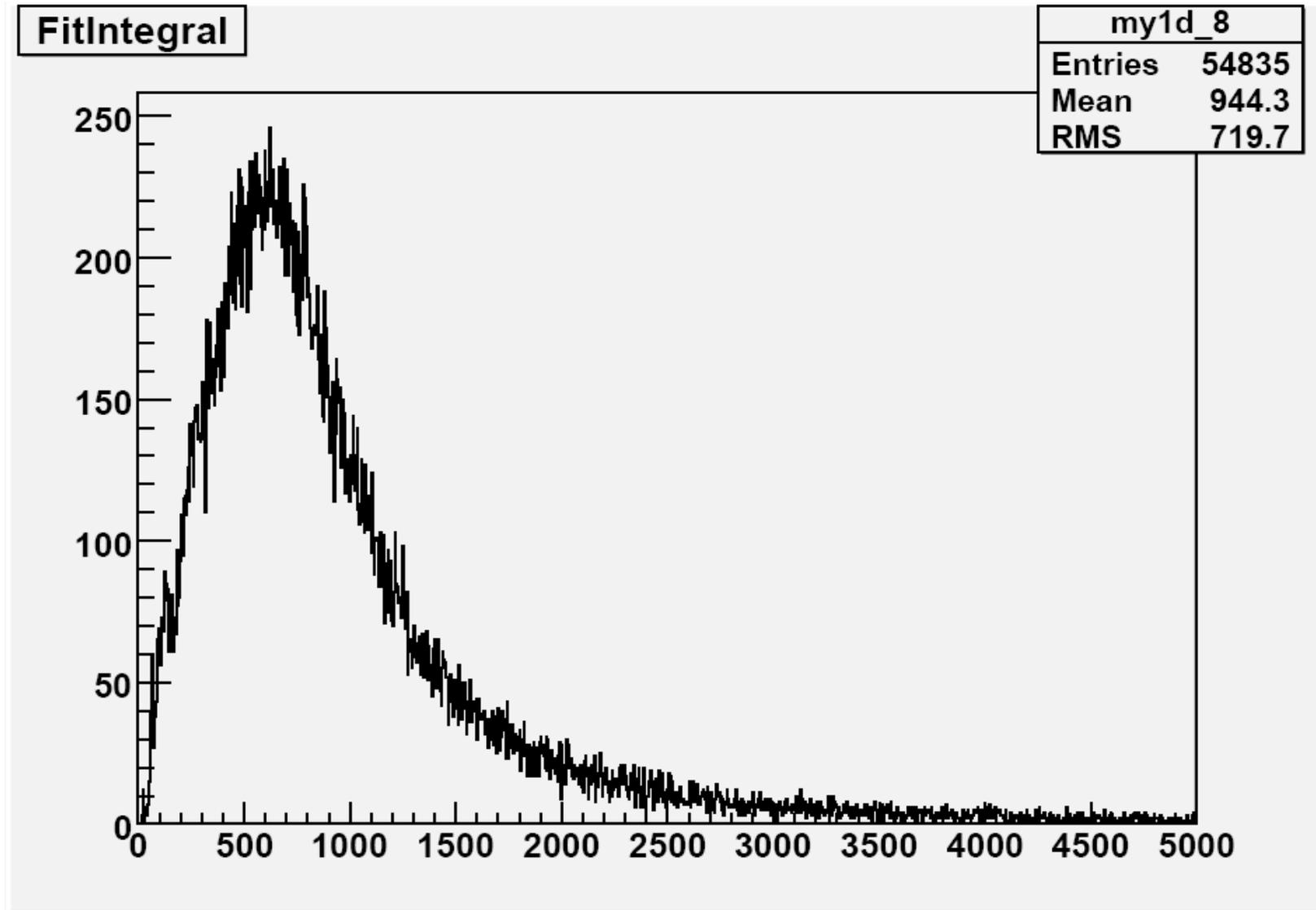
Fitted Y Uncertainty



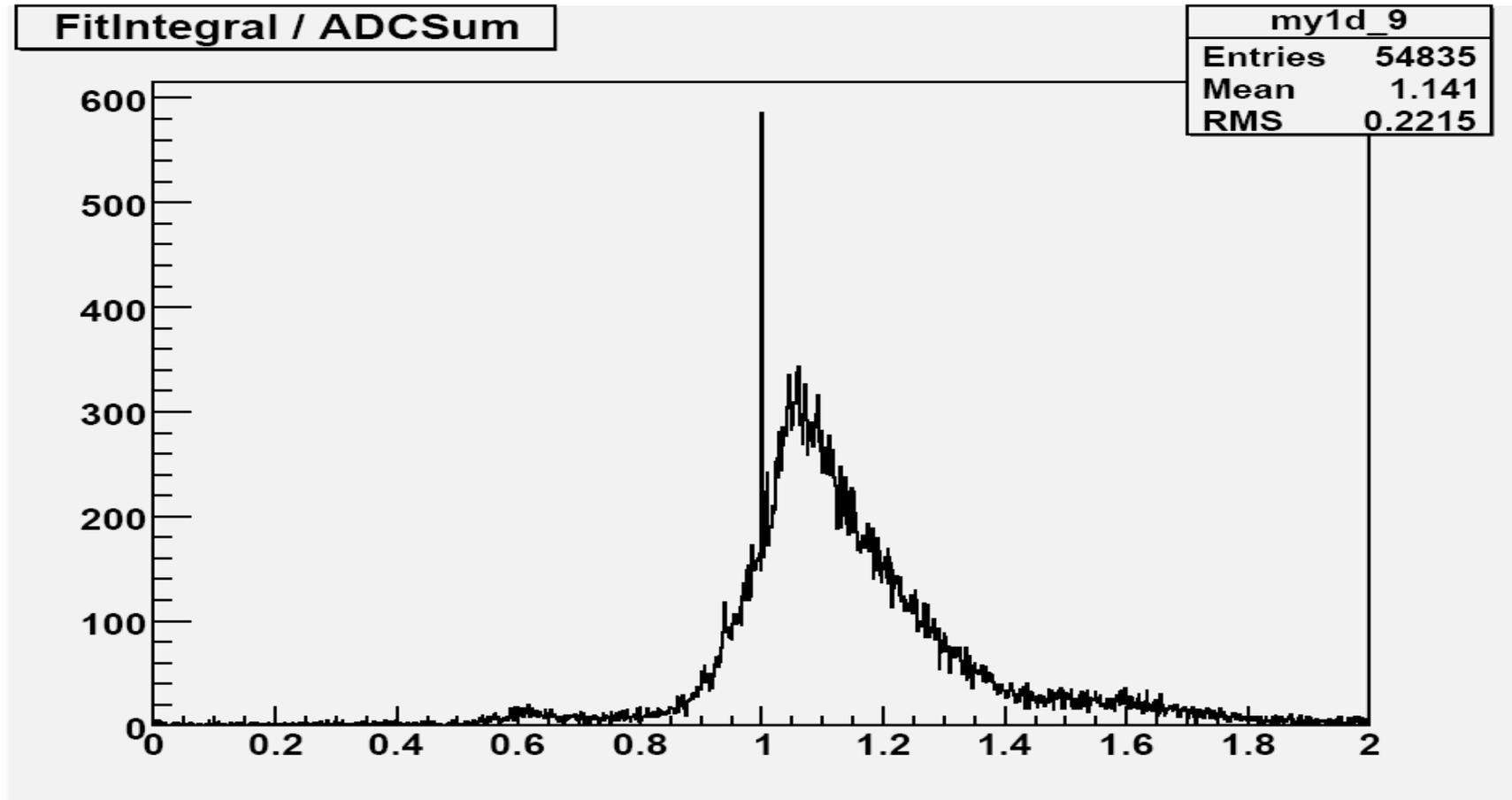
Clusters' ADC Sums



Clusters' Distribution's Integrals



Relative Charge Difference (Fit Integral / ADC Sum)



This shows the difference between the ADC Sum and the Fitted Charge.