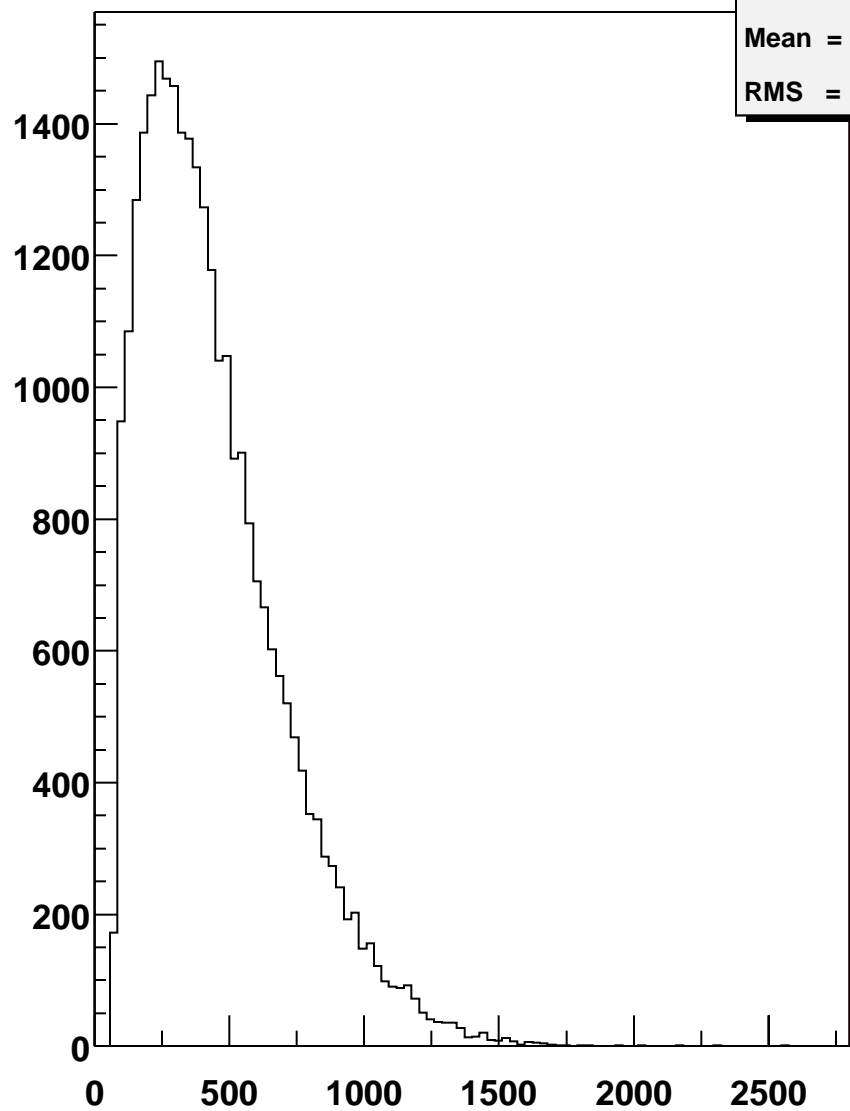


ROS Data Distributions

- Previous : Data distributions of high Lumi datafiles , H(400) -> bbar.
 - Gaussian distributions. Numbers on the pessimistic side.
- Suggestion : Use low lumi datafiles, same ones that are used for B-physics-studies. (Y00347)
- Various ROS mappings (from note by S.Wheeler) studied for SCT. (barrel and endcap)

of SCT barrel-ROBS hit - low lumi (map 5)



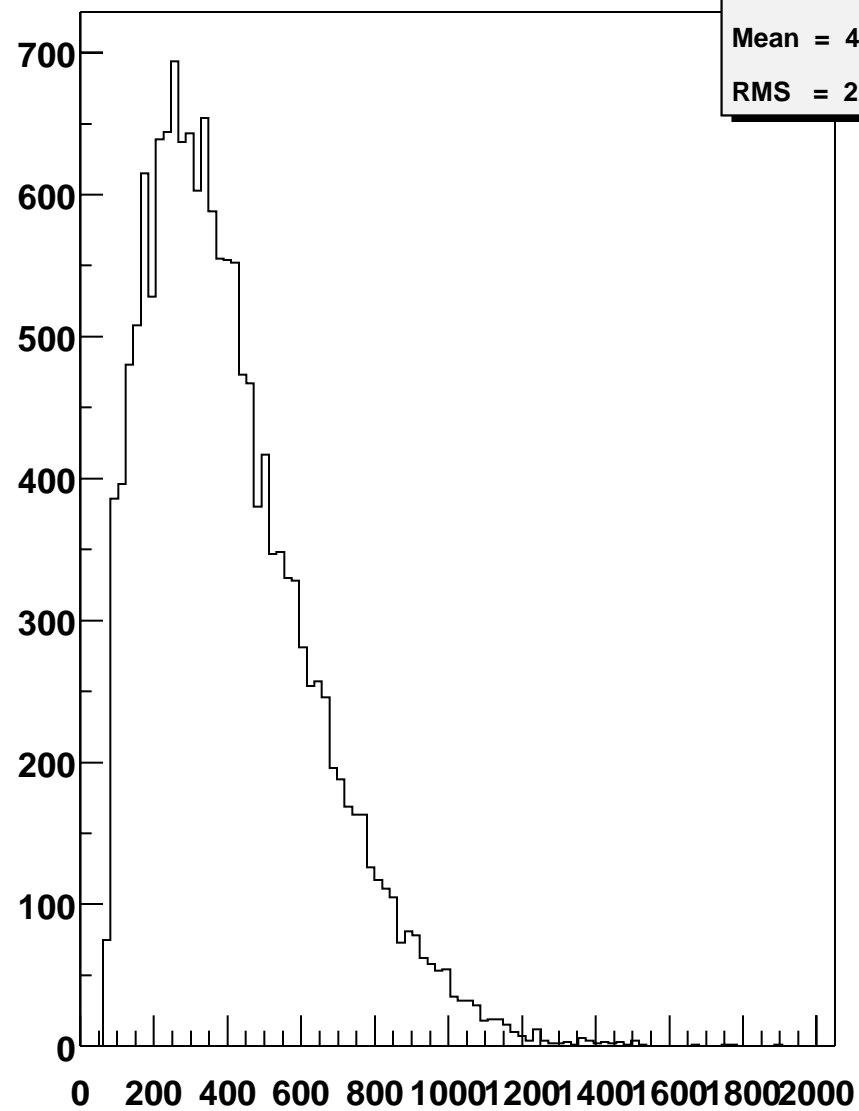
htemp

Nent = 29010

Mean = 438.4

RMS = 260.2

of SCT endcap-ROBS hit - low lumi (map 4)



htemp

Nent = 15950

Mean = 409.5

RMS = 228.2

ROS Data Distributions

- RESULTS : Mean somewhat higher than in Paper modelling assumed. Tail is significant.
 - First part can be fitted by quadratic function.
 - Tail can be fitted by exponential function.
- Future : SCT event format change ?
 - TRT data distributions
 - Pixel data distributions, with assumption on geometry
 - distributions for High and low Lumi, where possible