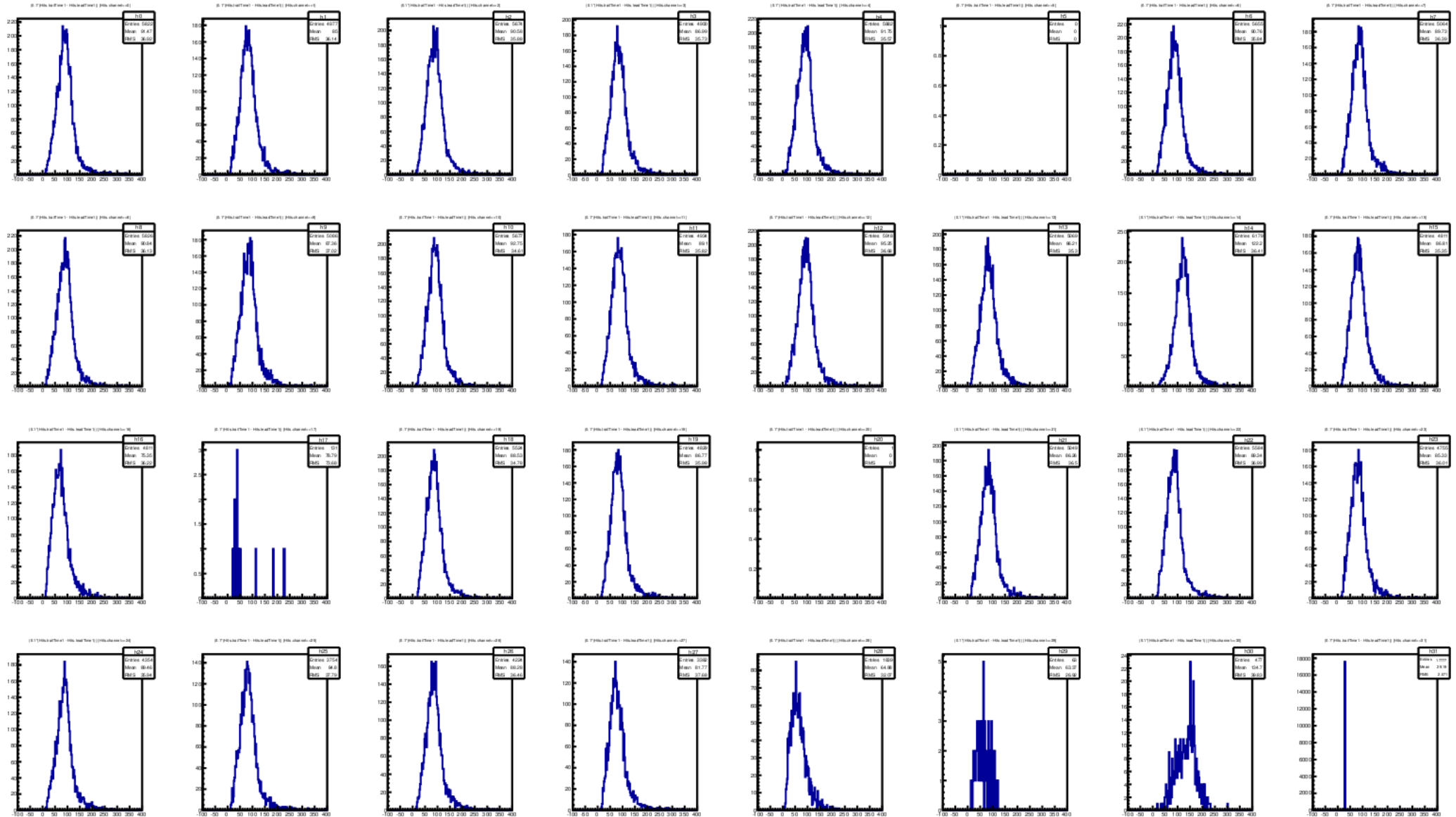


STT test Juelich 09.2012 TRB & ASIC [900 MeV Tracking]

Jacek Biernat

Jagiellonian University

ToT in channel

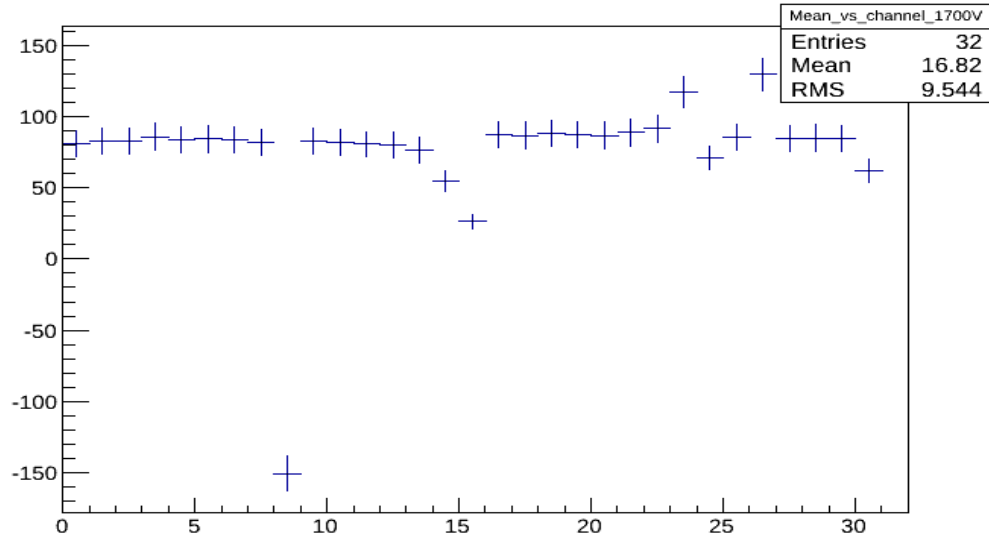


Mean vs Channel [ToT distribution fitted with Gaus]

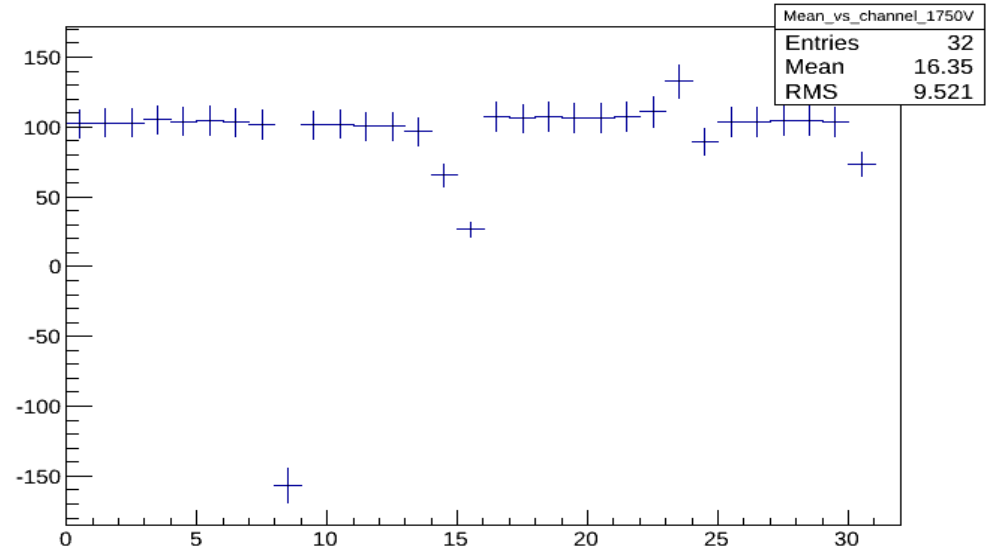
- Layer 1 & 2.
- HV set to 1700V~ 1800V.

Mean vs Channel

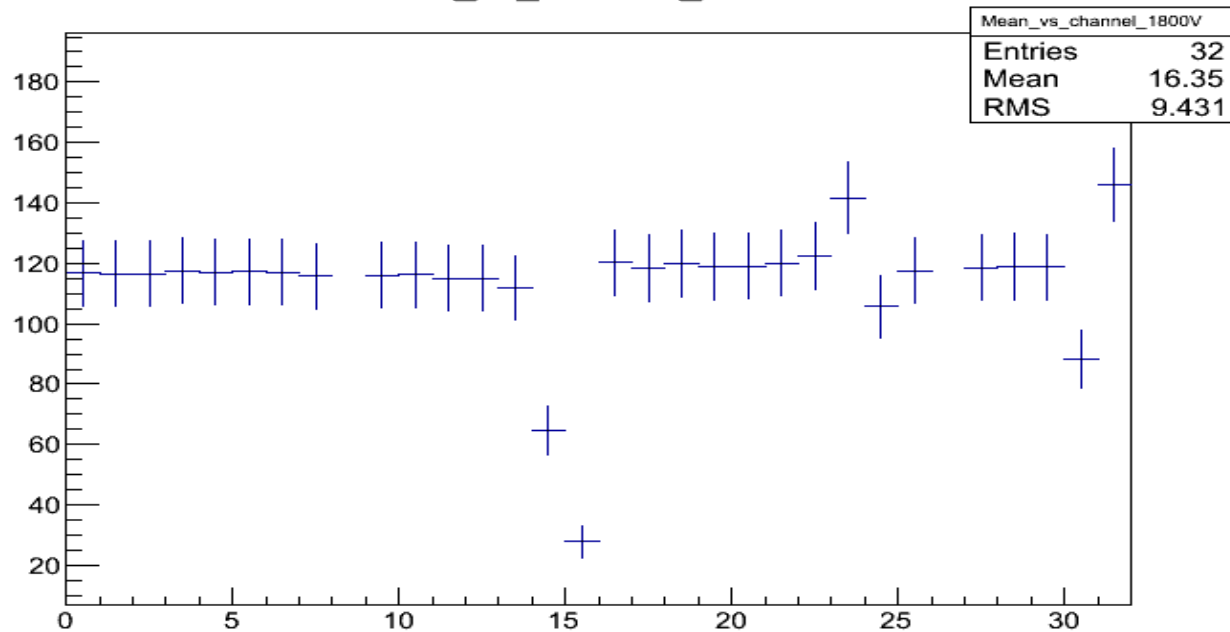
Mean_vs_channel_1700V



Mean_vs_channel_1750V

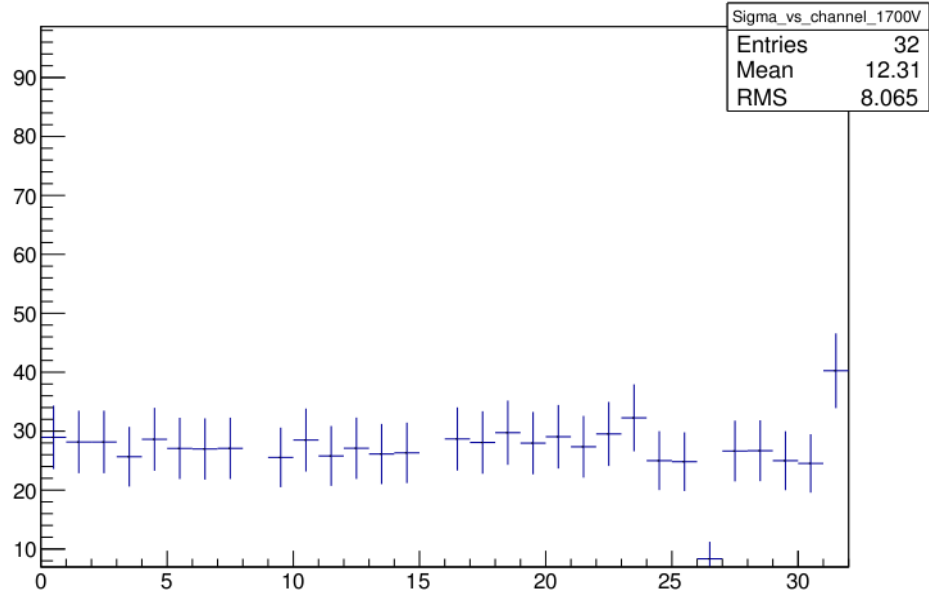


Mean_vs_channel_1800V

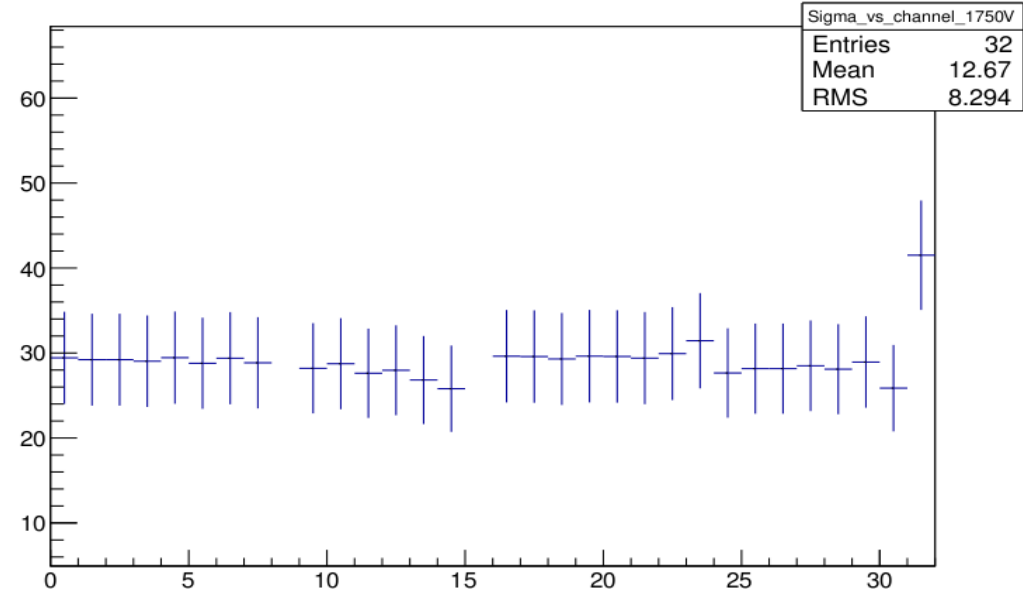


Sigma vs Channel

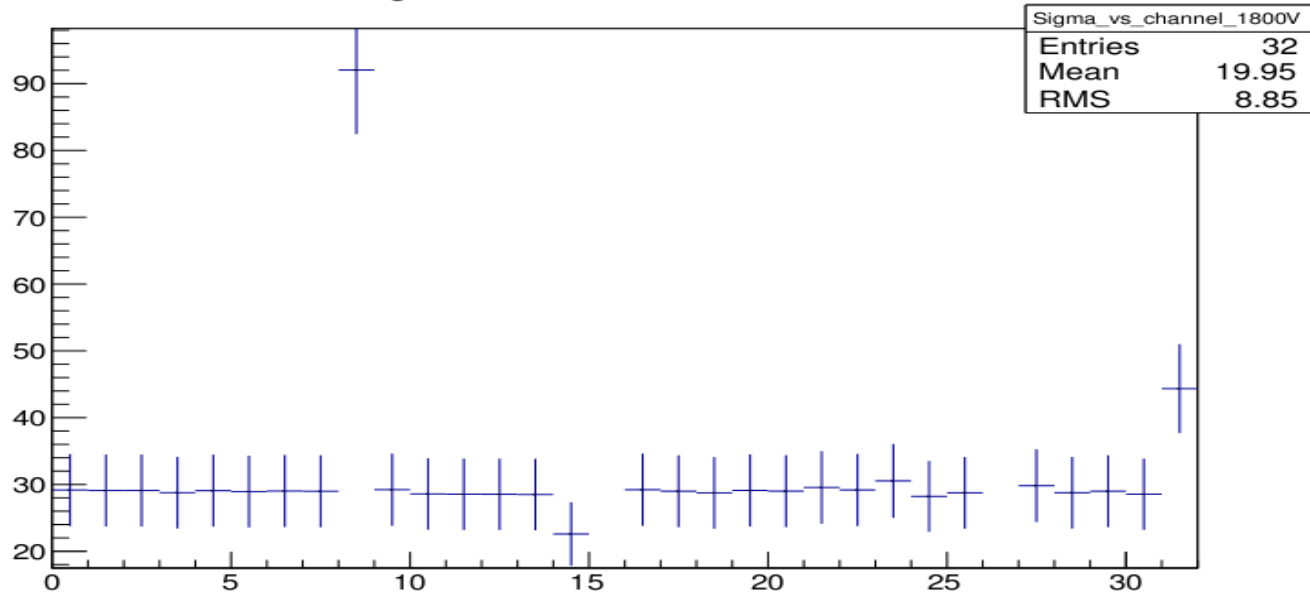
Sigma_vs_channel_1700V



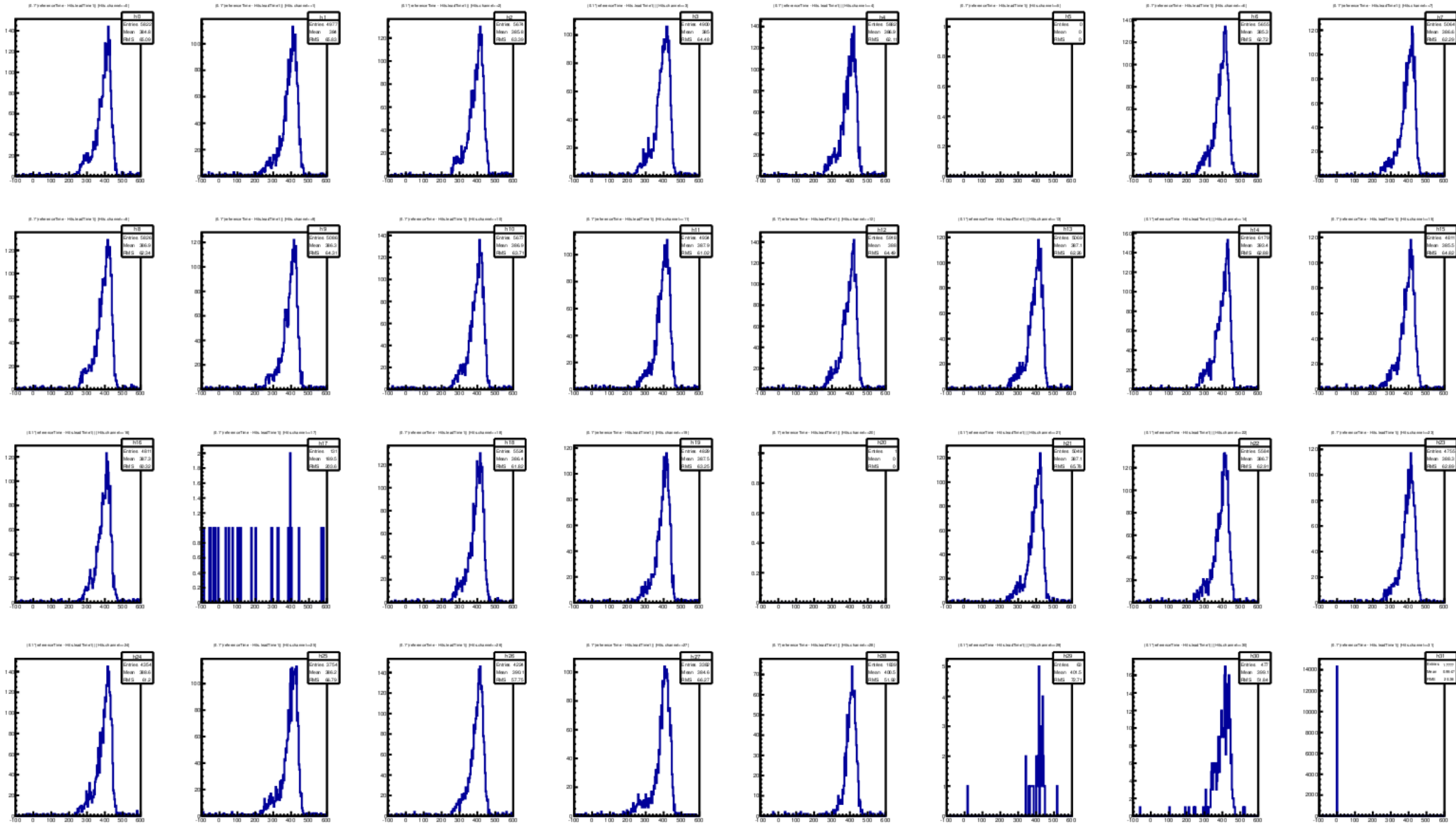
Sigma_vs_channel_1750V



Sigma_vs_channel_1800V



Drift Spectra

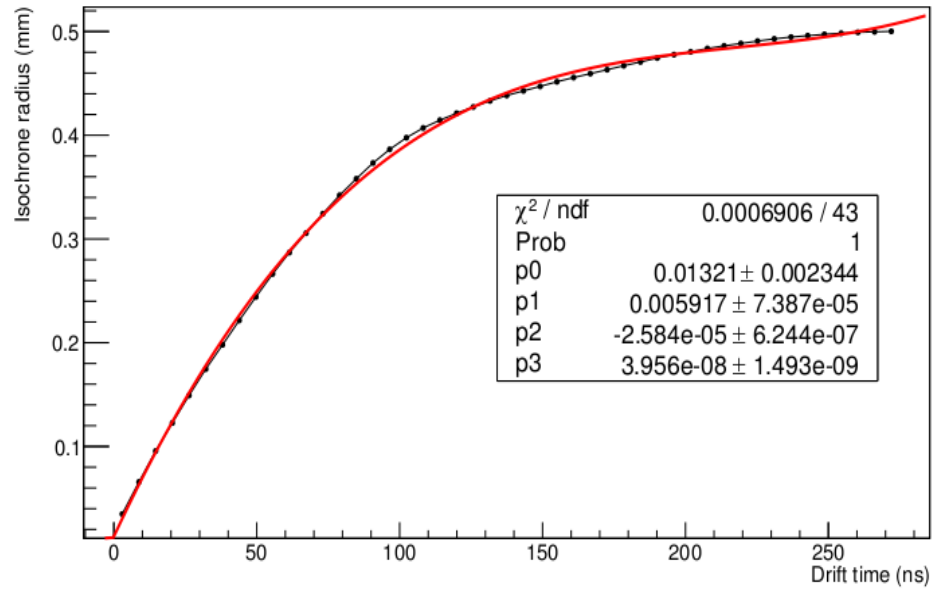


Tracking

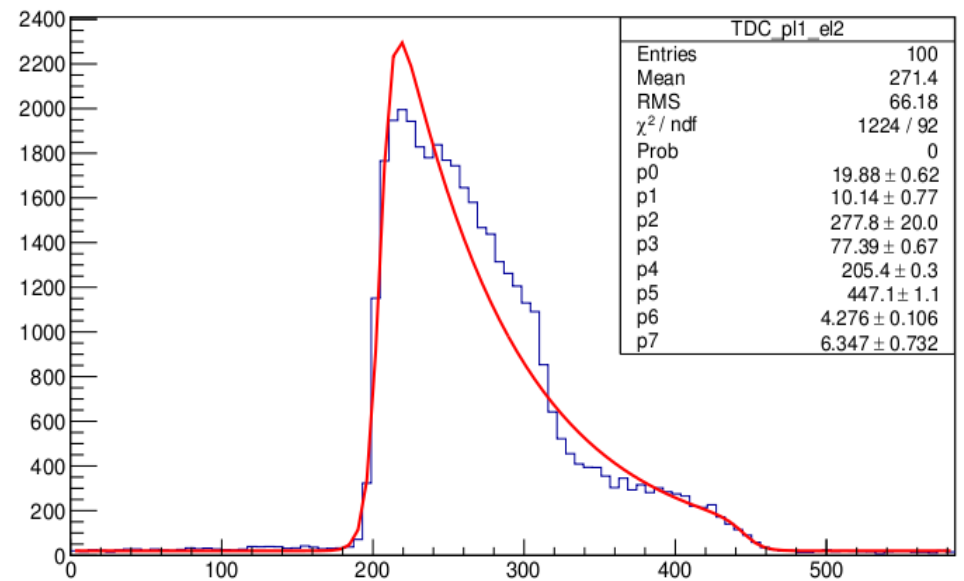
- Calibration Curve [$D(t)$]
- Fited Drift Spectra
- Spatial Resoultion
- Multiplicity
- ToT vs drift
- ToT raw & ToT Normalized

D(t);

Isochrone Calibration

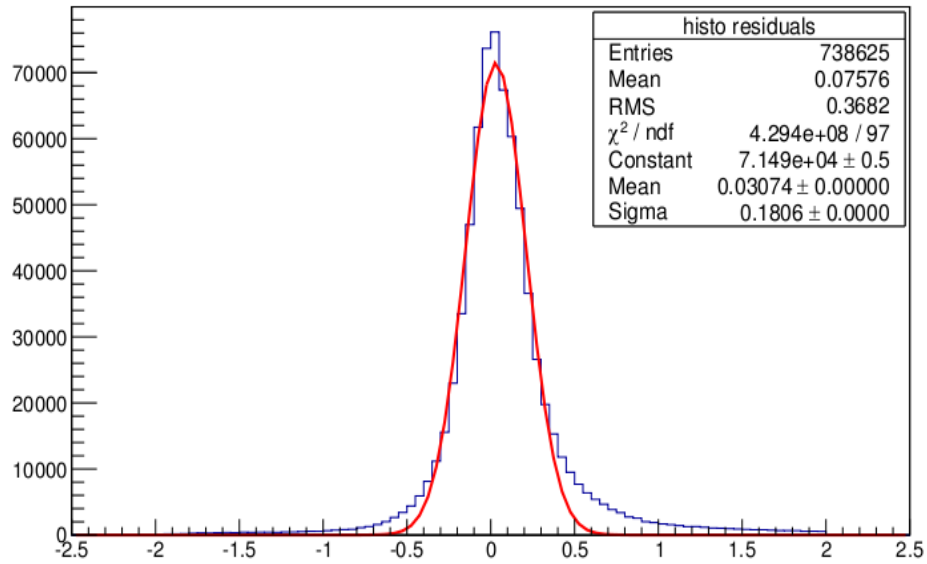


TDC_p1_el2

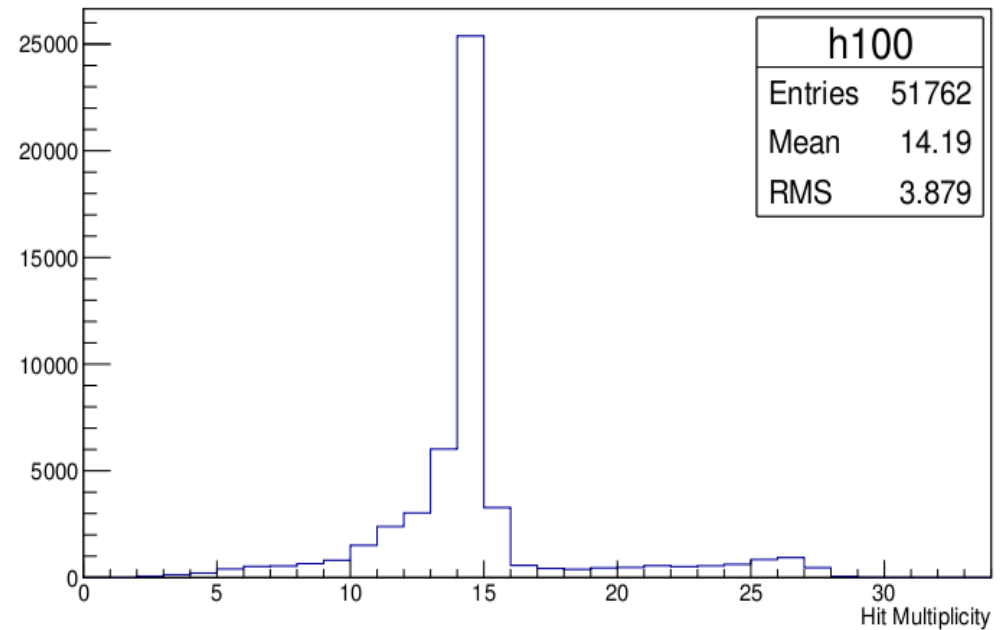


Resolution & Multiplicity

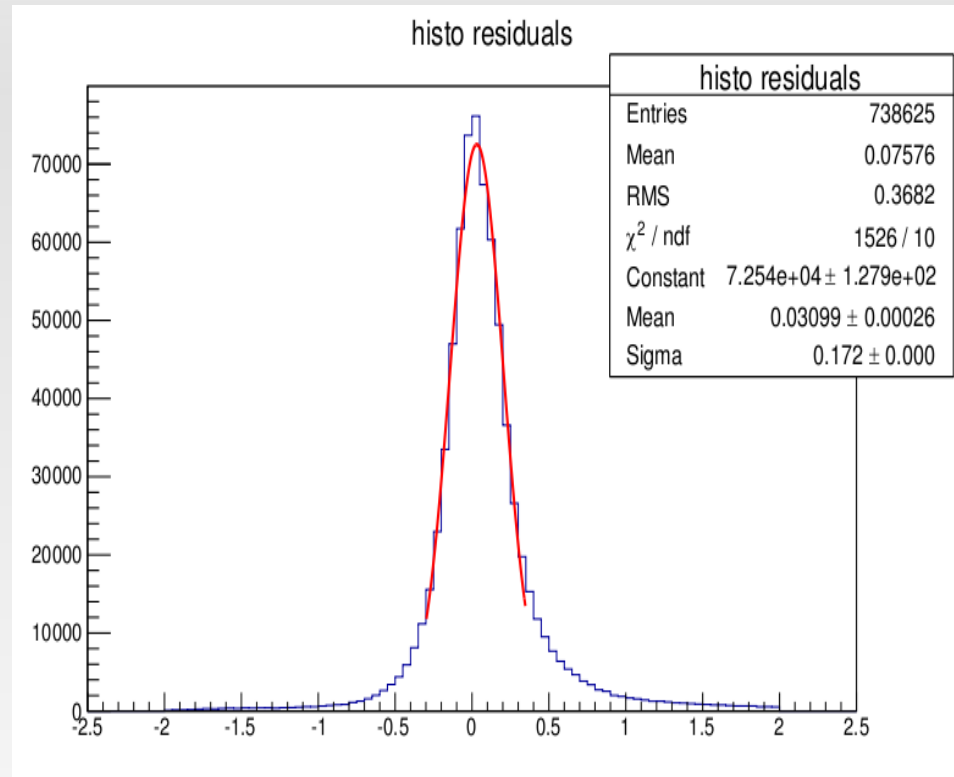
histo residuals



Sr, Hit Multiplicity

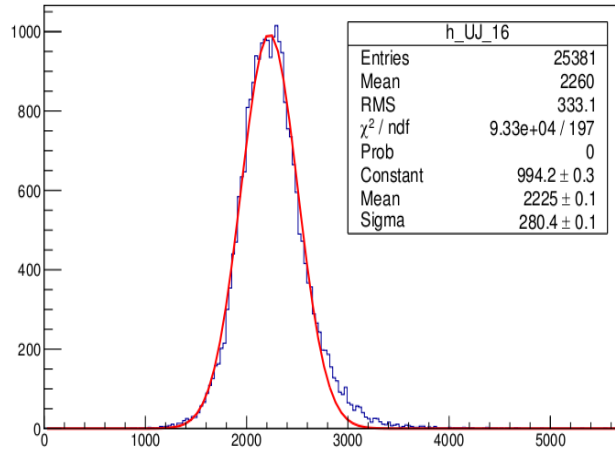


Gaussian like

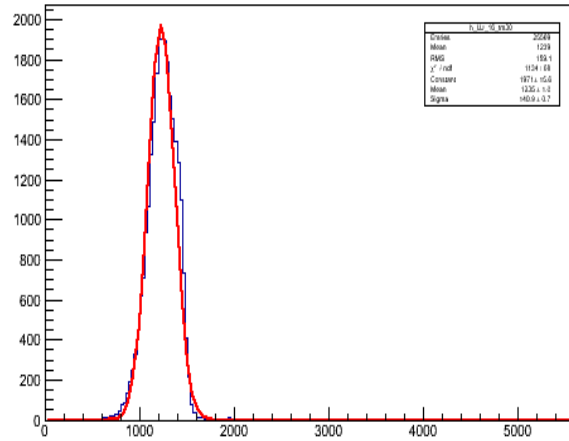


ToT 14 straw track RAW & TM

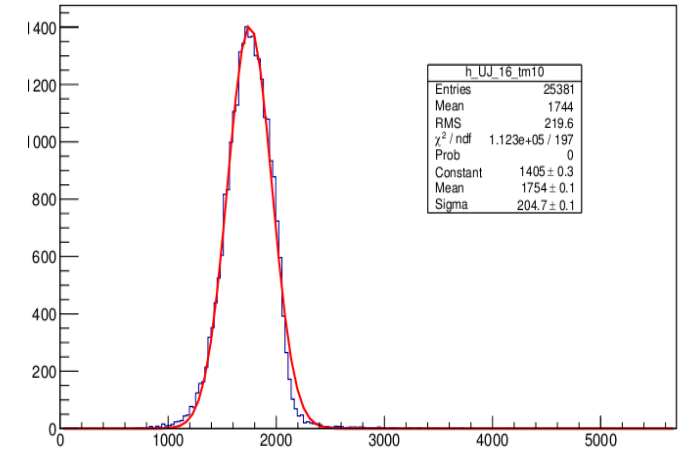
tot 14 straws



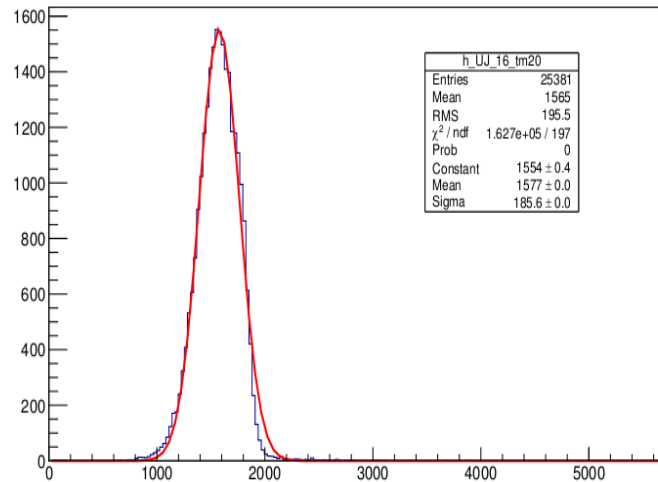
tot 14 straws tm30



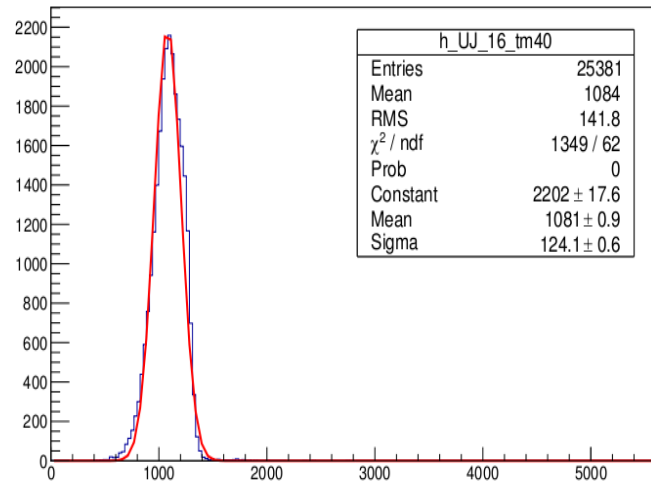
tot 14 straws tm10



tot 14 straws tm20



tot 14 straws tm40



ToT 14 straw normalized after dx

