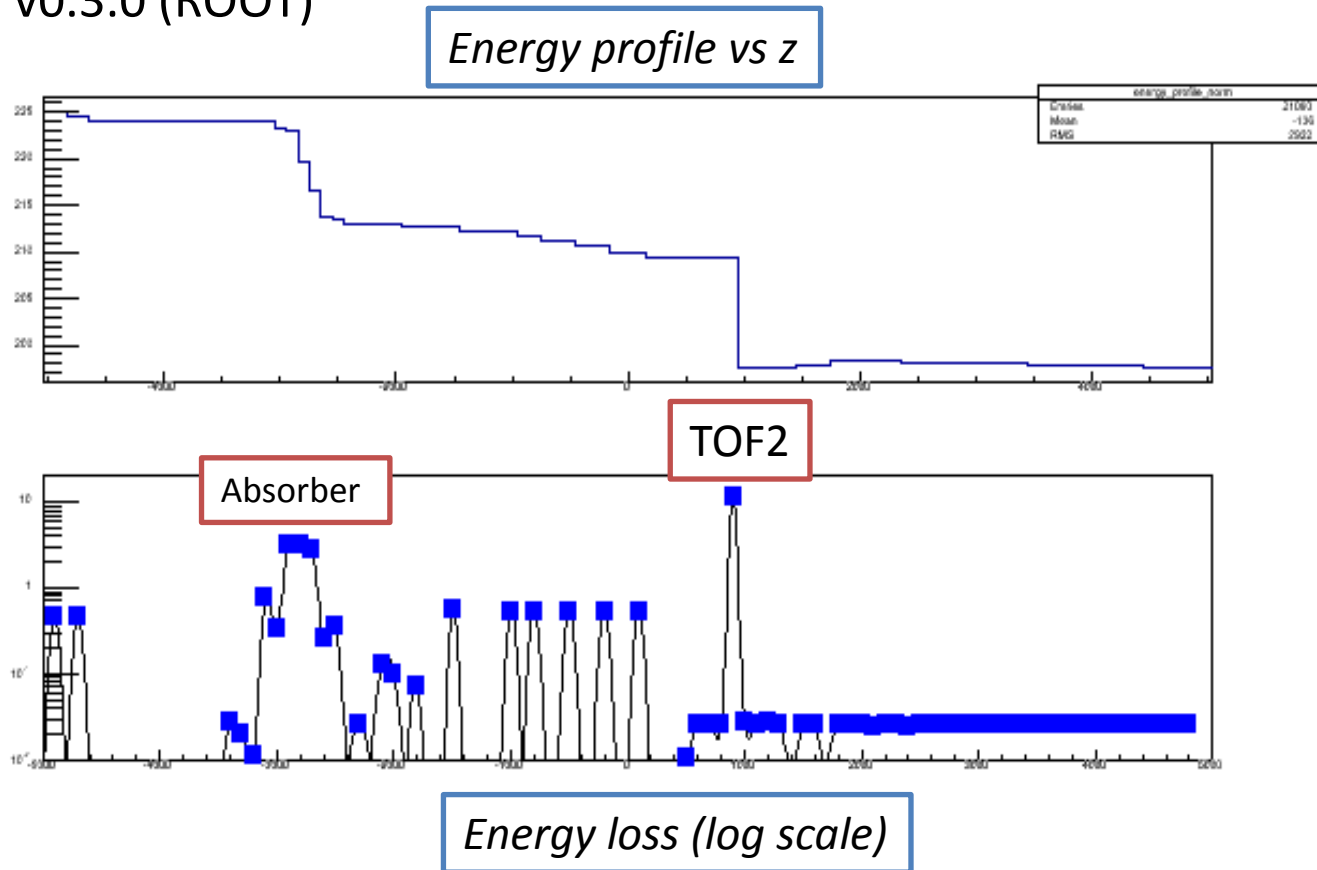
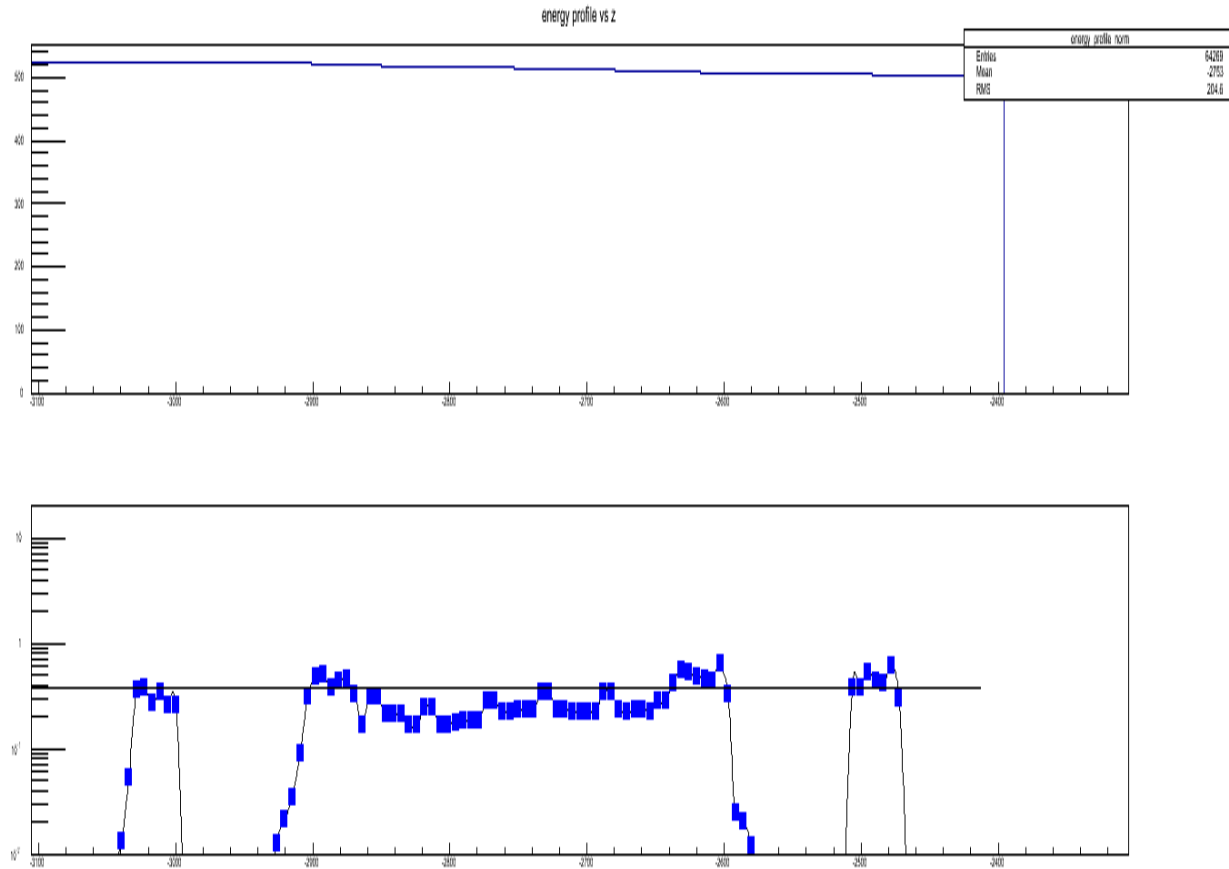


Step IV

- MAUS v0.3.0 (ROOT)

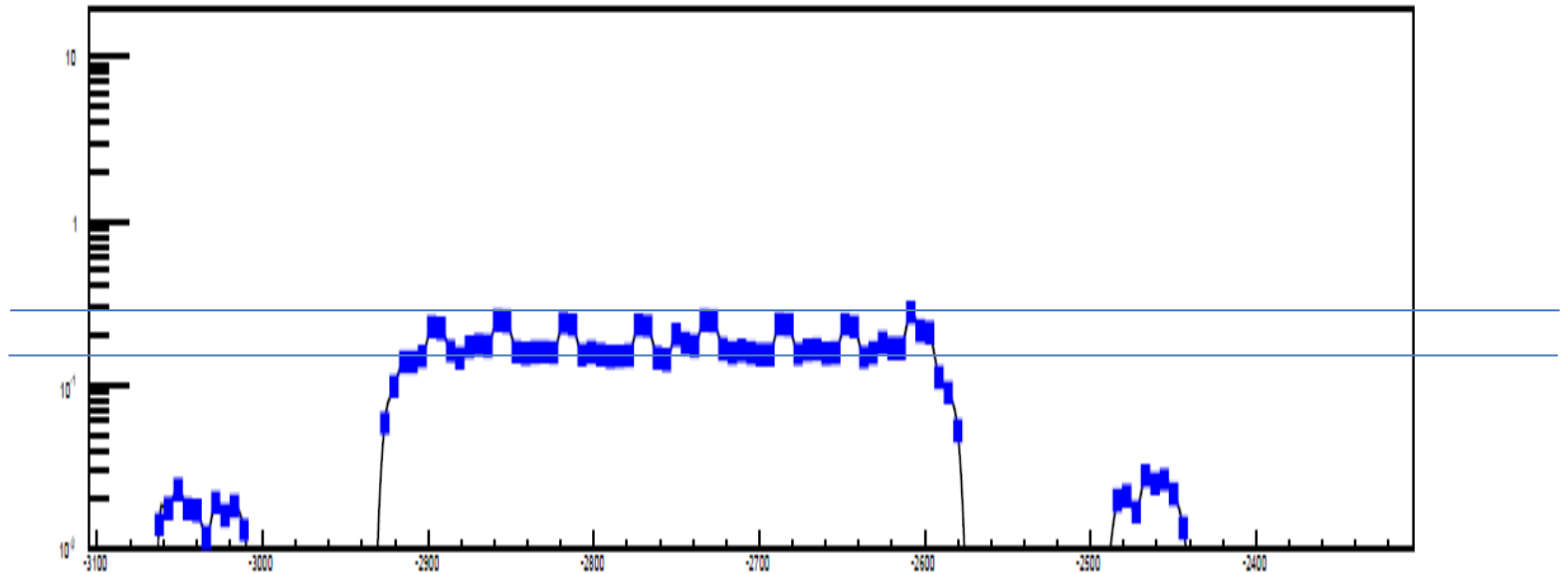


Absorber (legacy) – maus v0.3.0



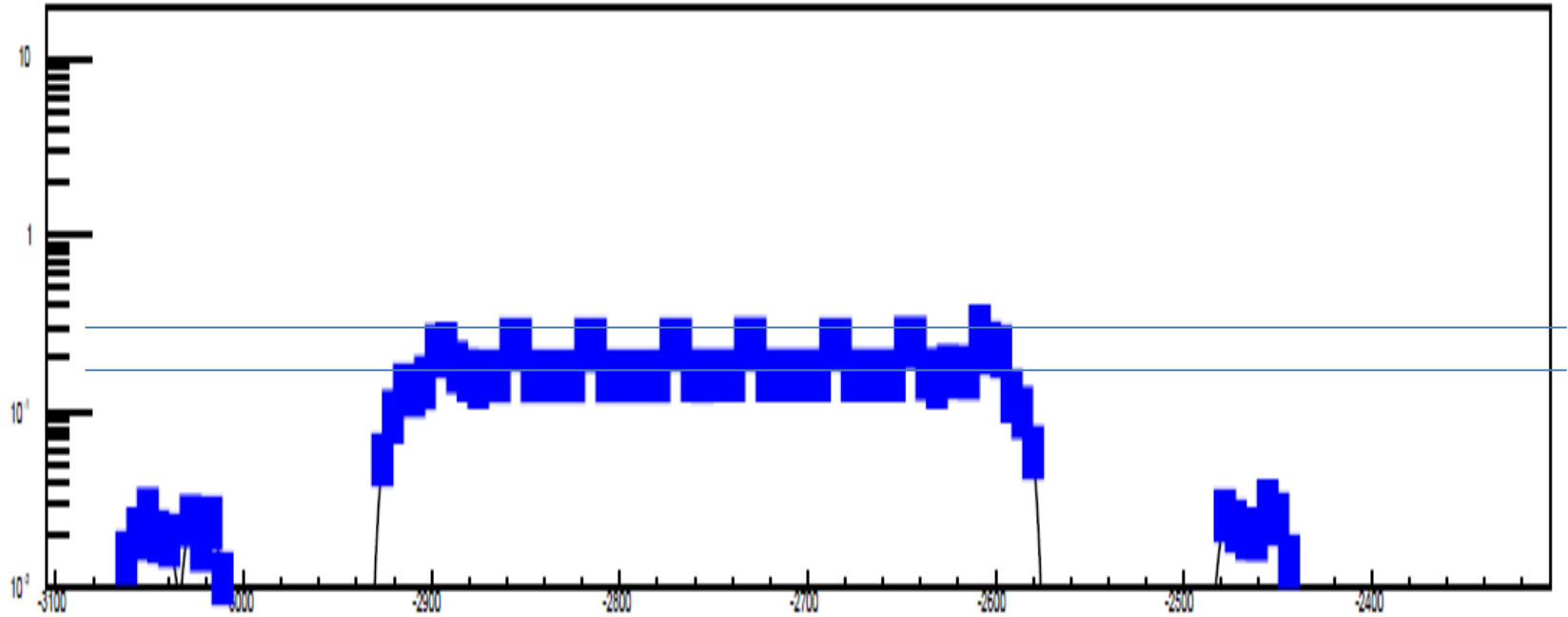
Pencil beam, muons, 526 MeV, mean energy loss

Stochastic processes turned ON!



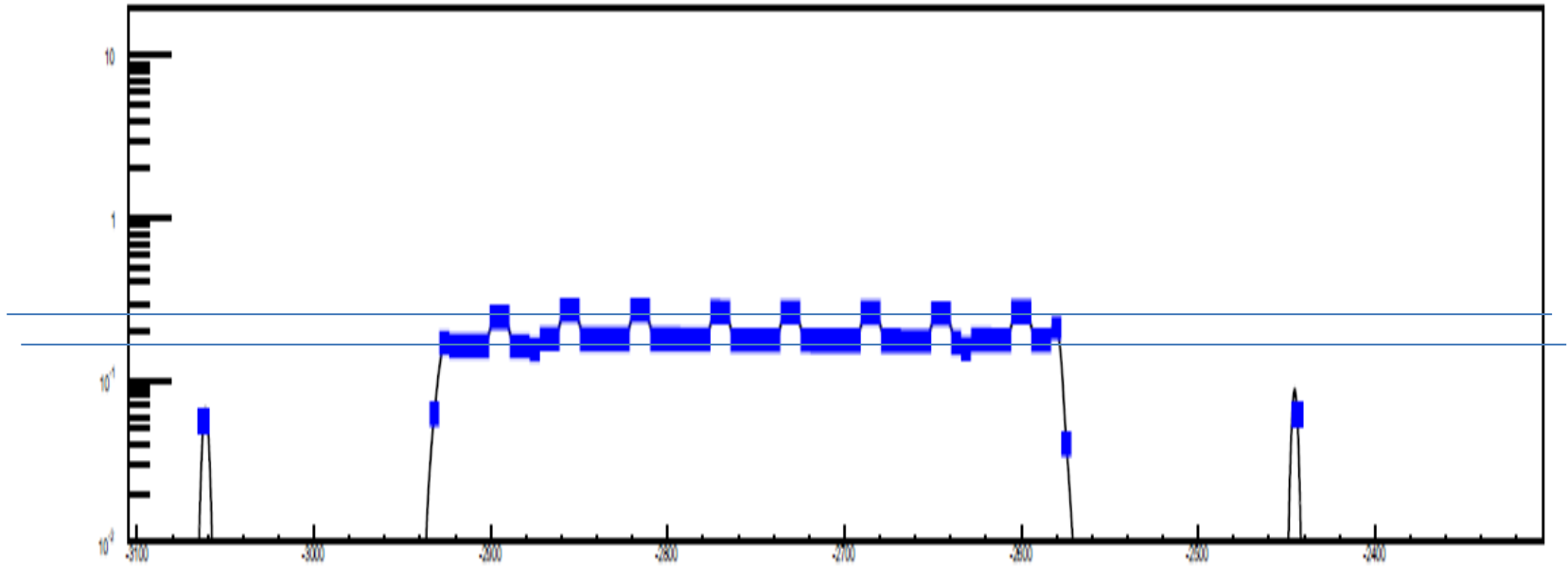
- MAUS 0.3.2
- Default beam
- Muons -226 MeV

Mean energy loss



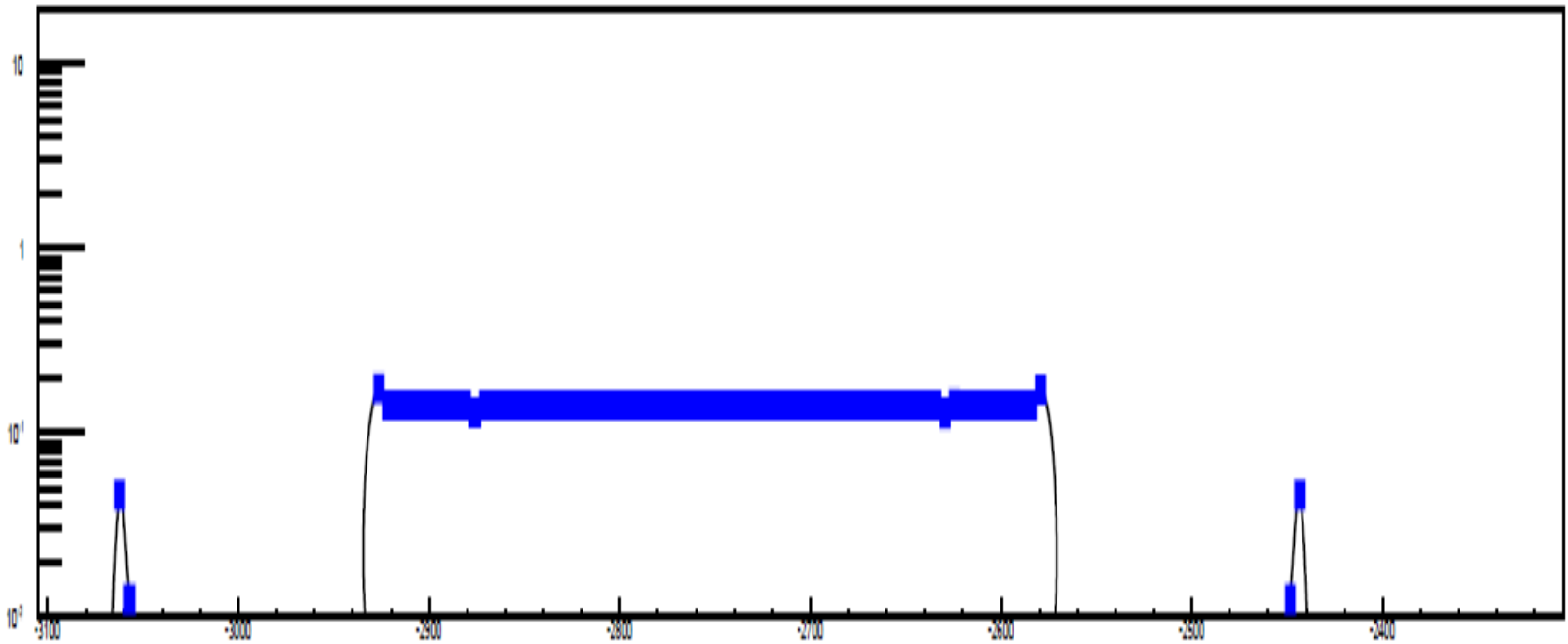
150 keV fluctuations persist

Pencil beam

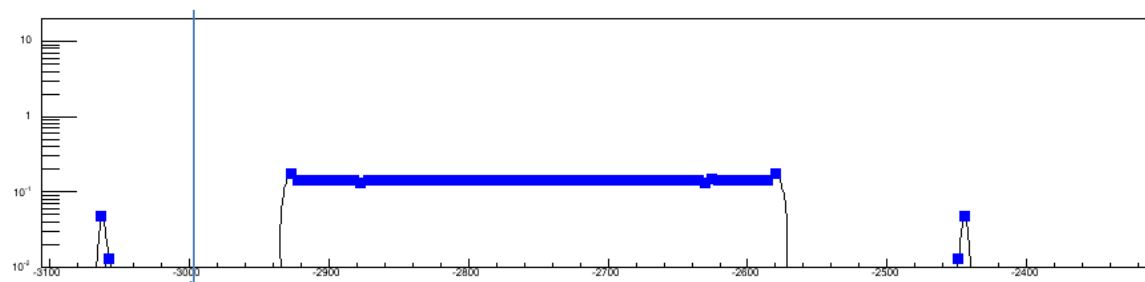
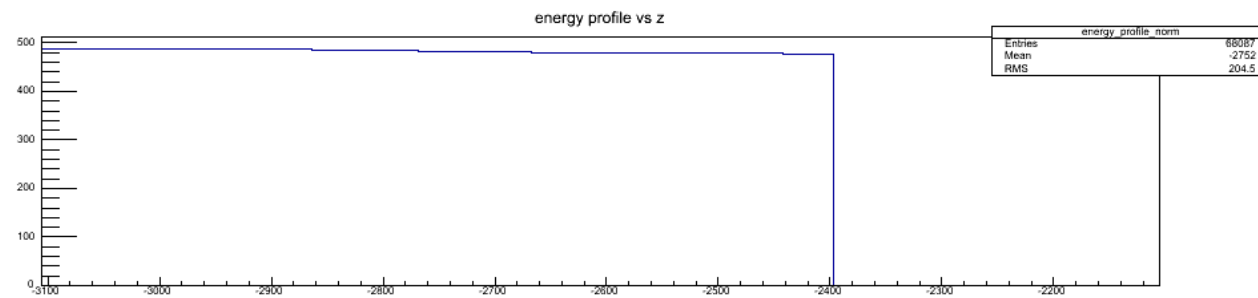


Still some unexpected spread, but windows much narrower!
[Unsolved irrelevant(?) mystery: can't reproduce maus-v0.3.0 plot!]

Residual effect is a binning problem

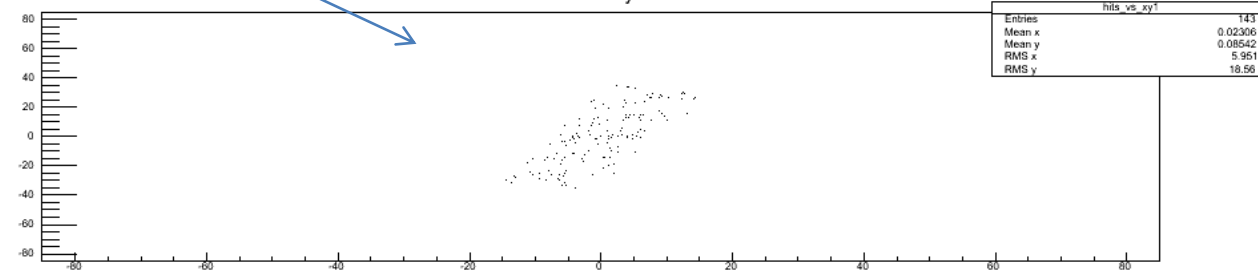


Increasing number of bins to 199 between $Dz = [-3105, -2105]$ mm, to match distance between virtual planes: 5mm problem much reduced. Is the residual effect (<50 keV) real?



y

hits vs xy1



X