

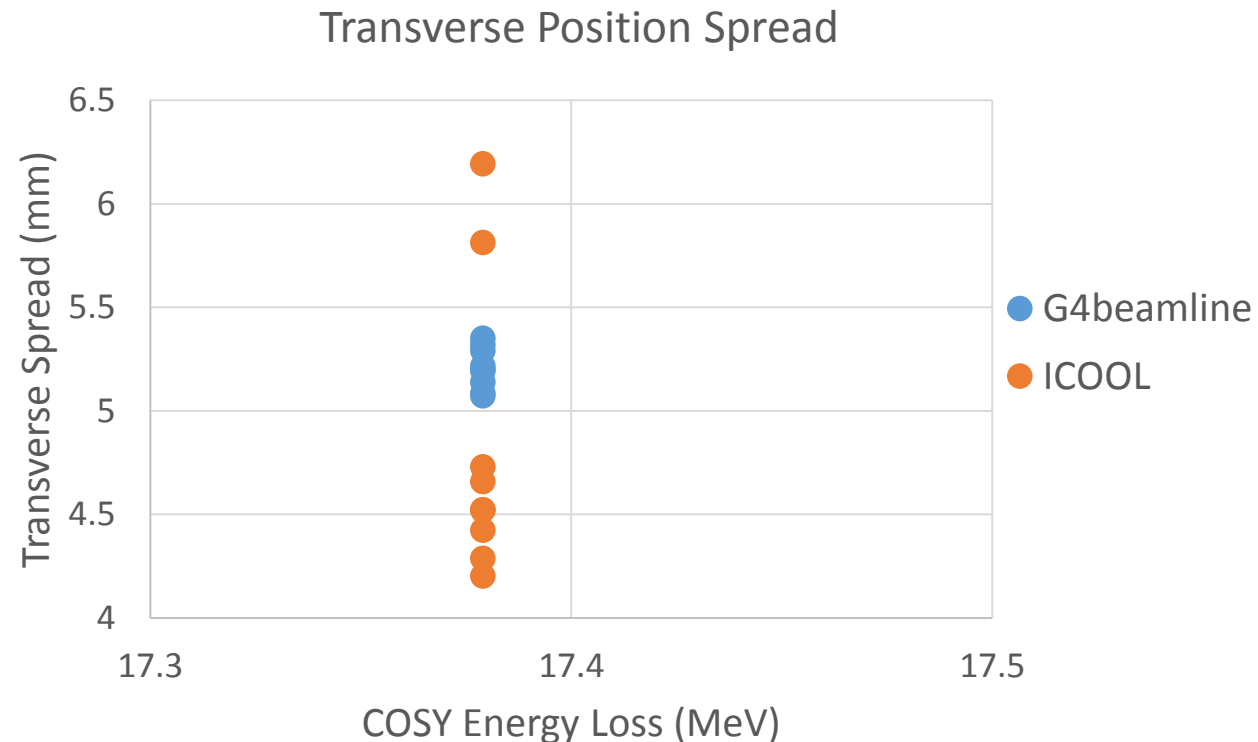
05.12.14

Josiah D. Kunz

ICOOOL vs. G4beamline

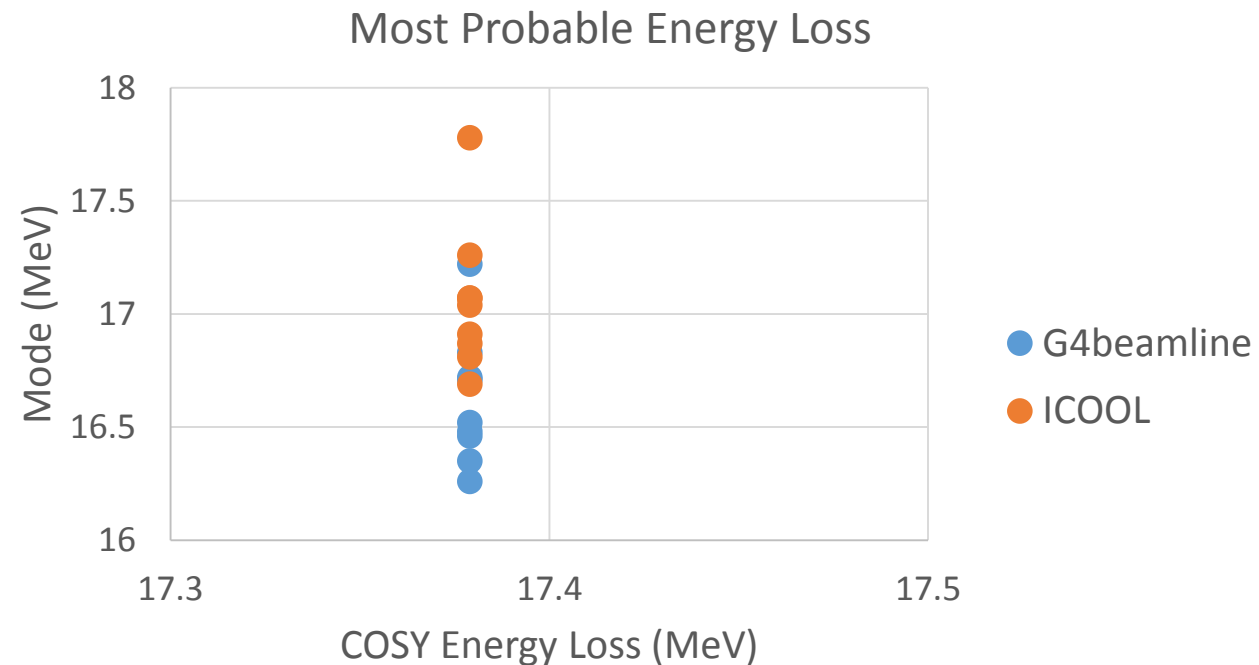
ICOOOL vs. G4beamline

- ICOOL, G4beamline disagreement
- Average energy loss doesn't agree either: **ICOOL ~17.45**, **G4~17.34** (**COSY~17.37**)



ICOOL vs. G4beamline

- Average modes* of energy losses are: **ICOOL ~17.06**, **G4~16.62**

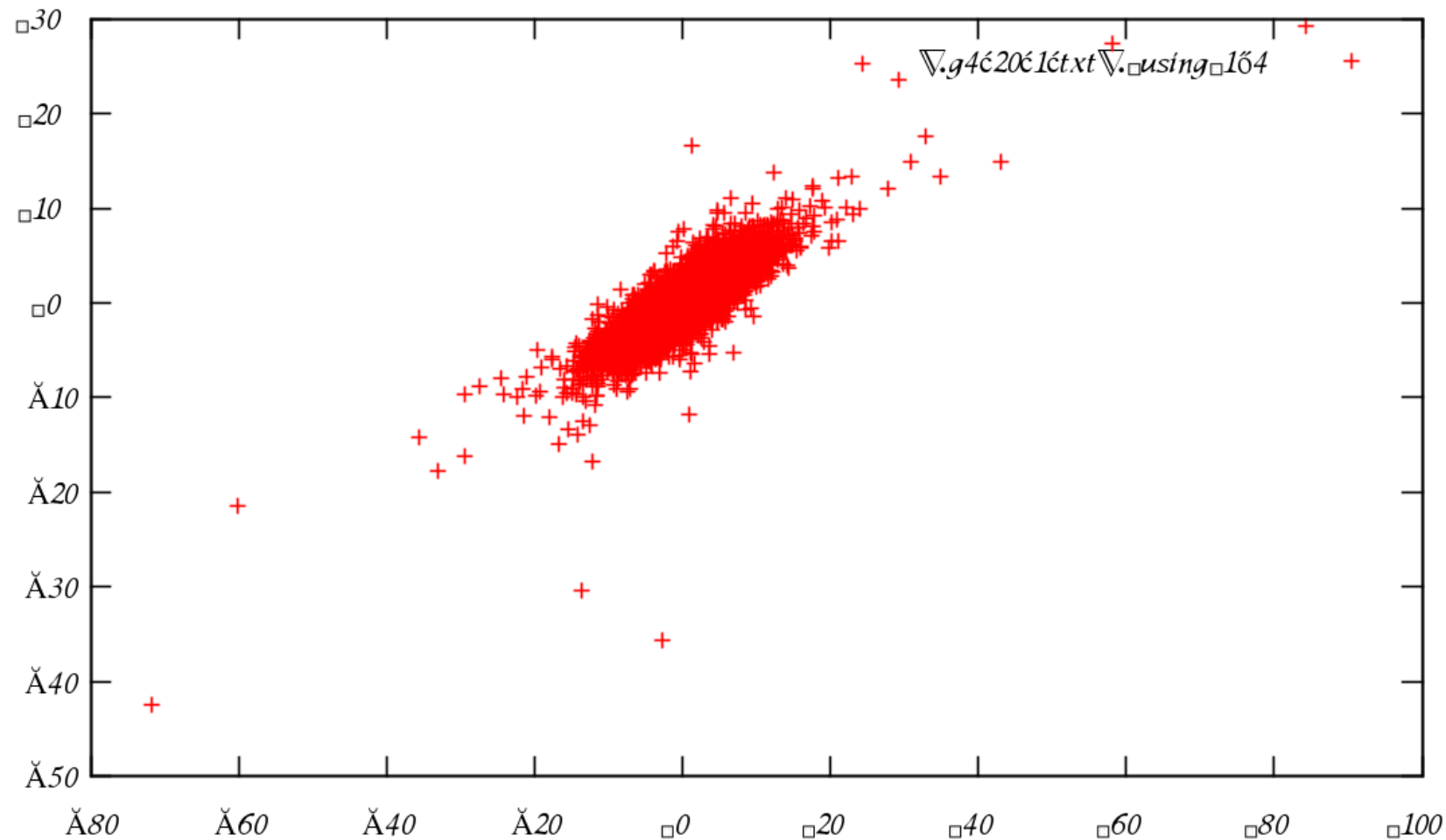


*based on energy losses rounded to 4 sig figs
(roughly 50 counts per box)

Final Coordinate Coupling

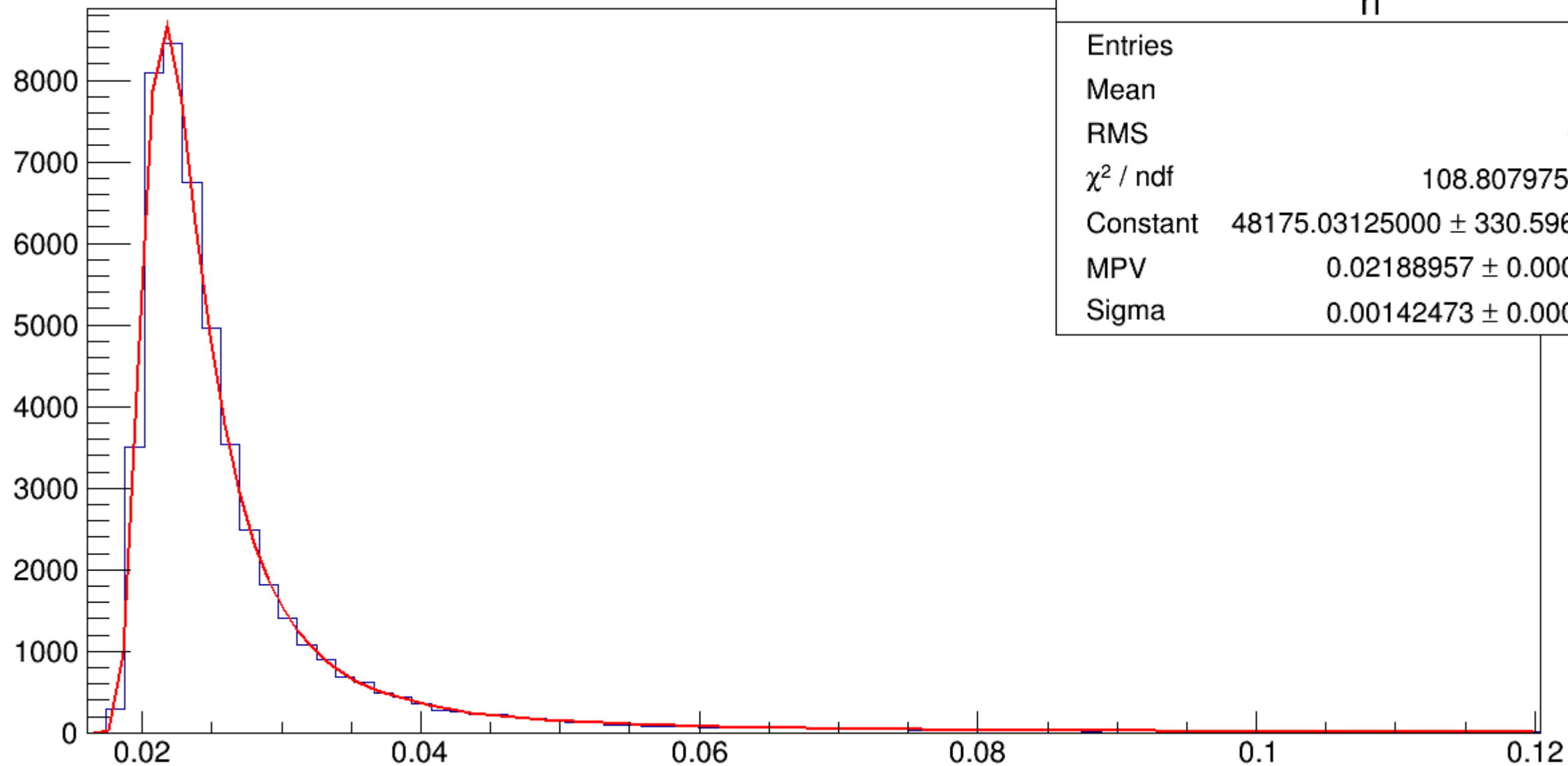
X vs. Px

- 20 MeV/c in G4
- No coupling would result in solid ball

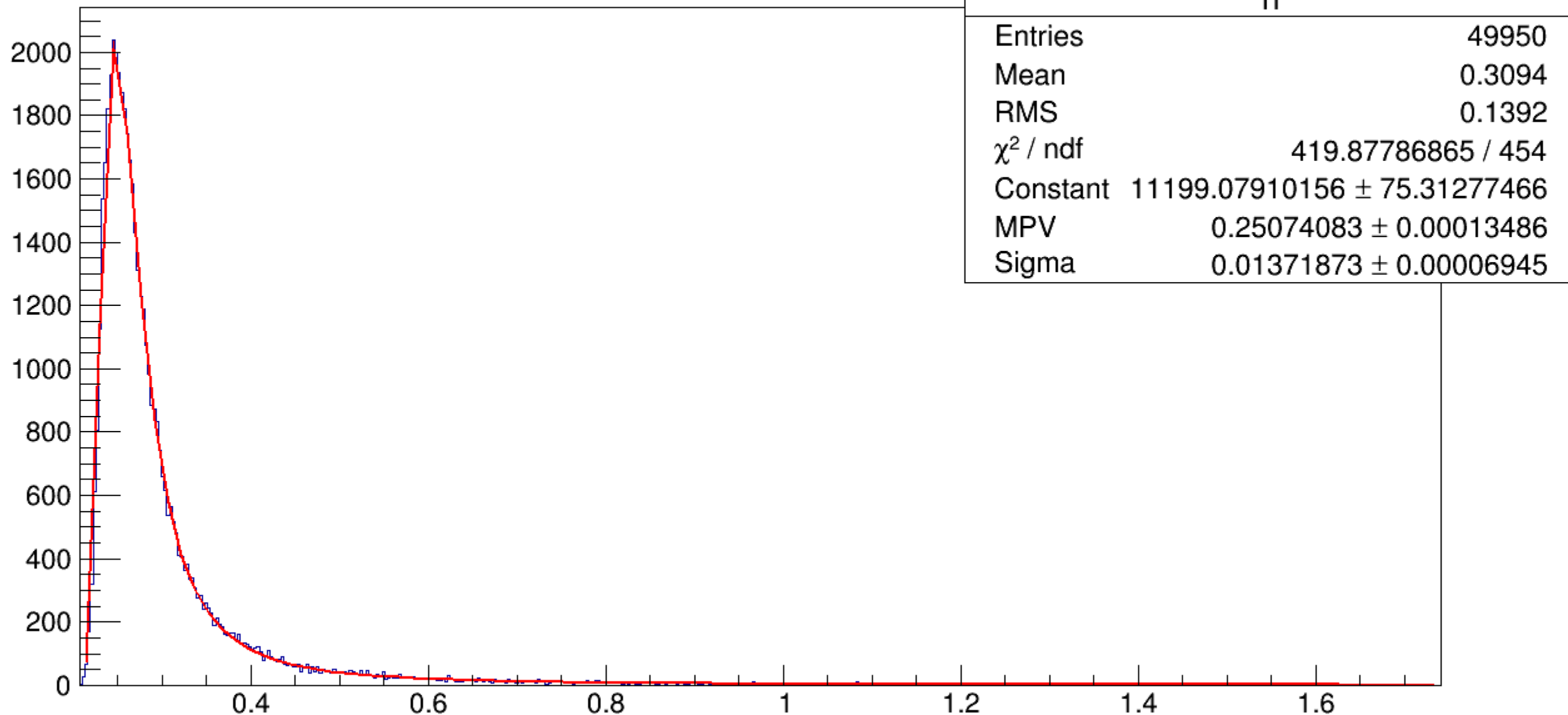


Thin Absorbers

Energy Loss: 1 mm



Energy Loss: 1 cm



Energy Loss: 10 cm

