

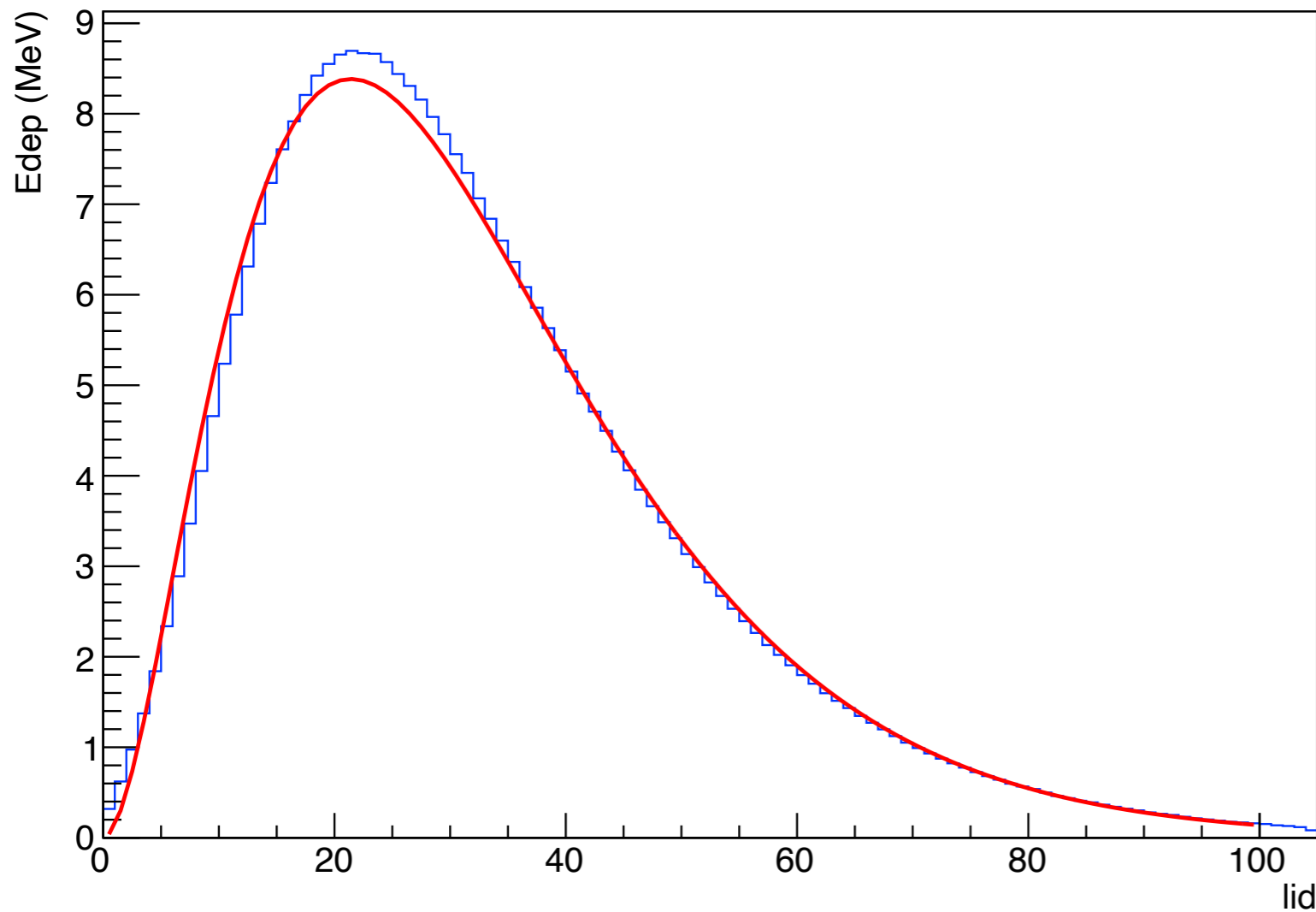
K-Koto Meeting

2020/05/27

YoungJun Kim

Longitudinal shower profile

$$f(t) = E_{tot} b \frac{(bt)^{a-1} e^{-bt}}{\Gamma(a)}$$

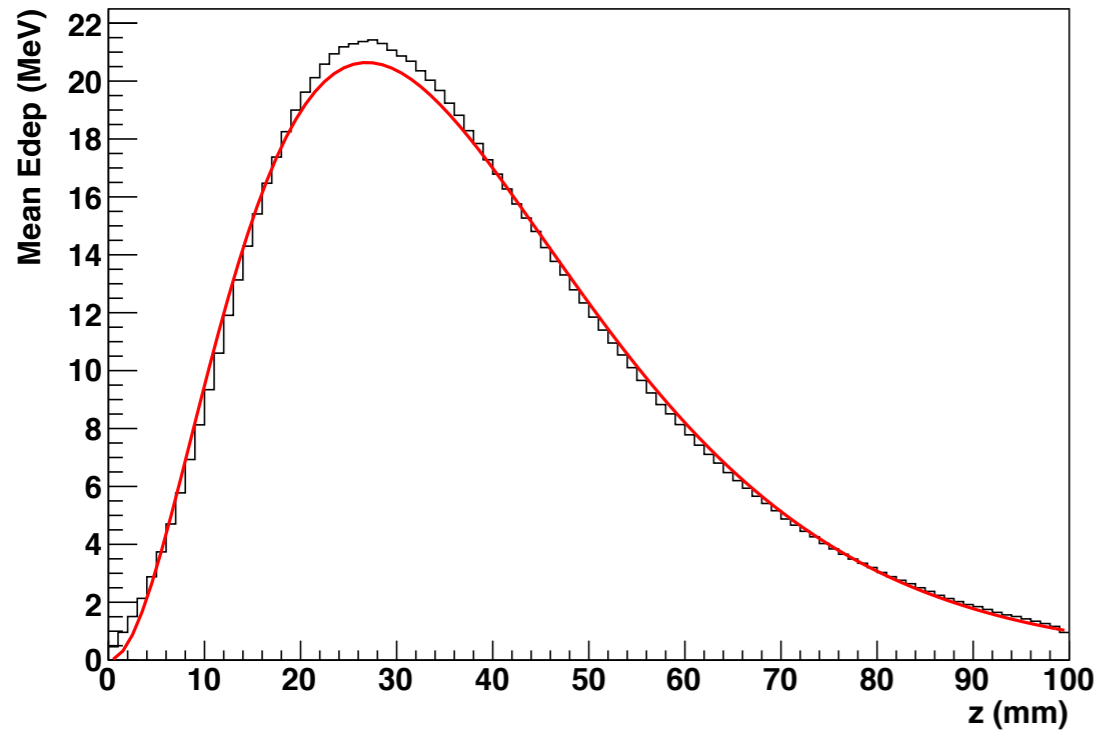


Current Detector setup

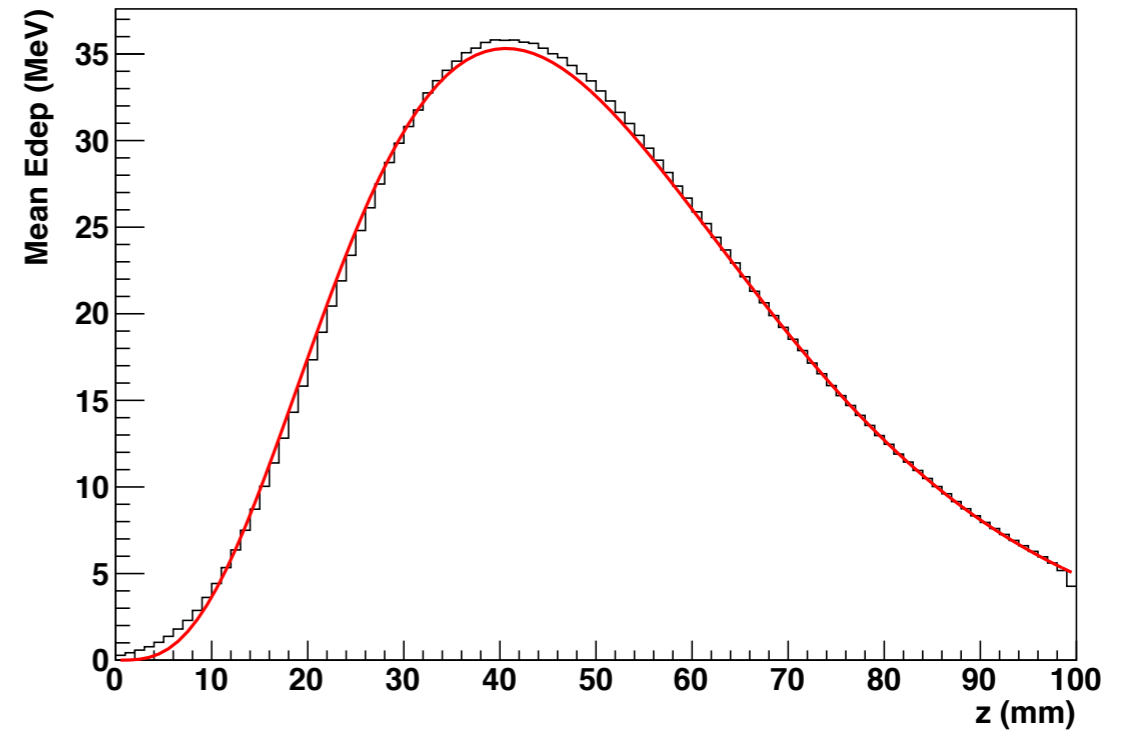
1GeV gamma

Z-axis profile (uniform lead)

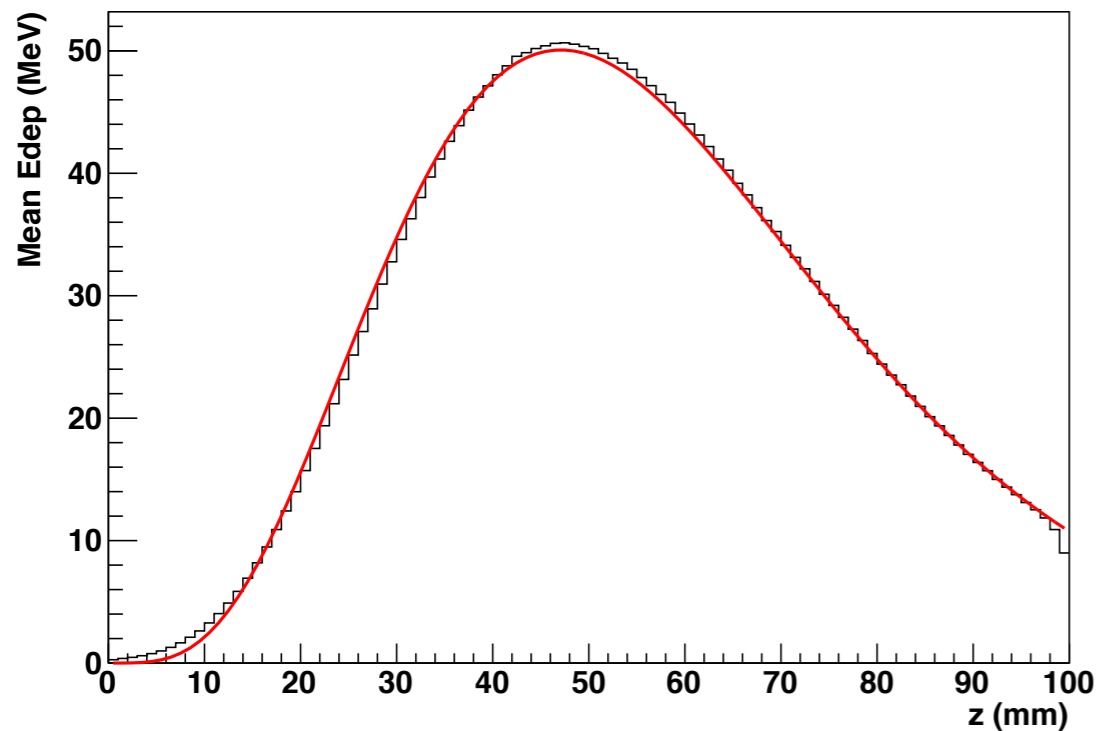
1 GeV gamma



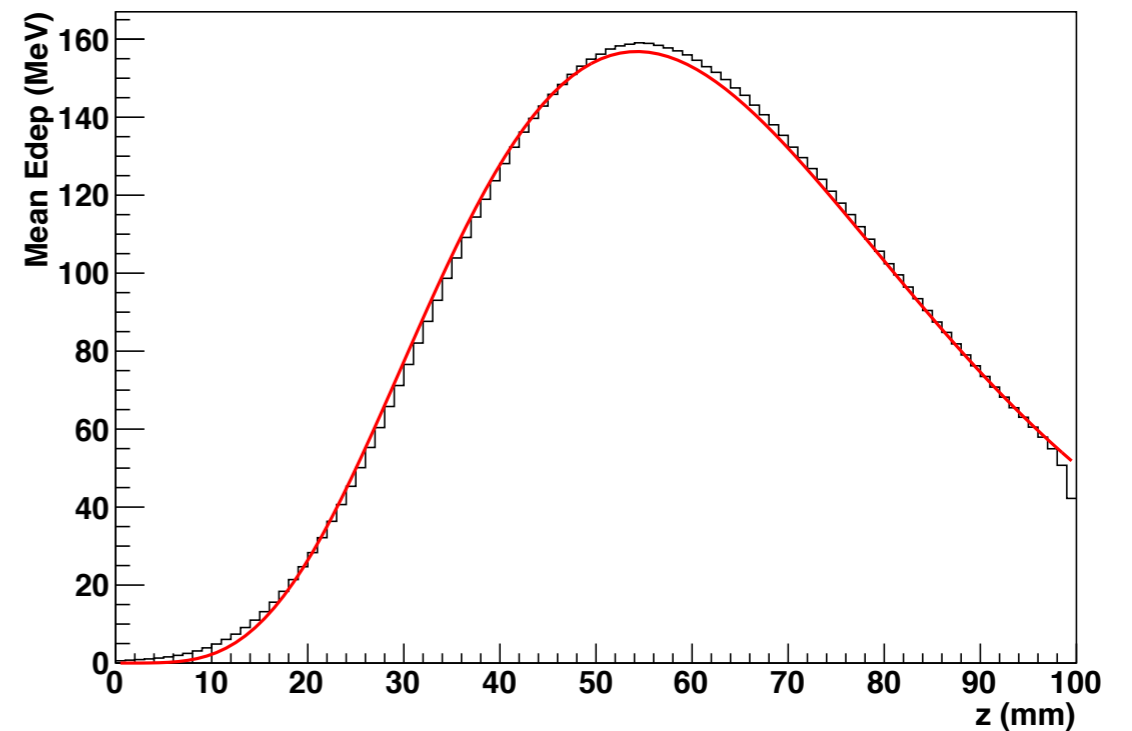
10 GeV gamma



30 GeV gamma



100 GeV gamma



Material : Pb ($X_0 = 5.612$ mm)

back up