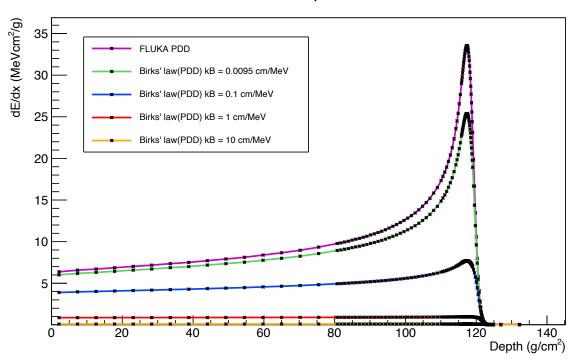
PDL estimated with Birks' law (FLUKA PDD): dLdx=S*dose(z)/(1+kB*dose(z))

No normalization

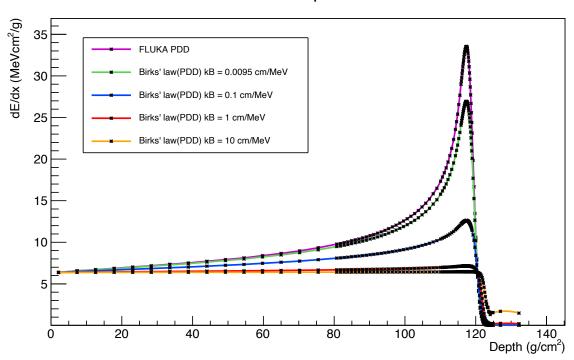
Graph



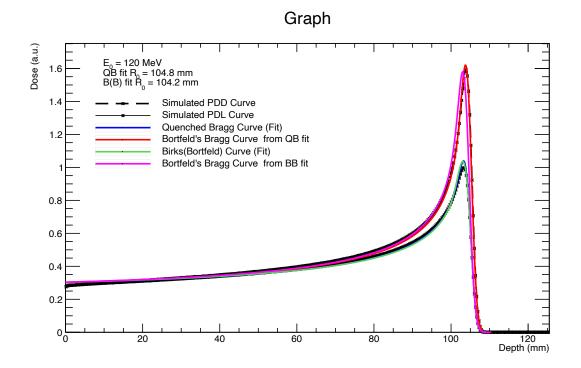
E_point 100, S=1

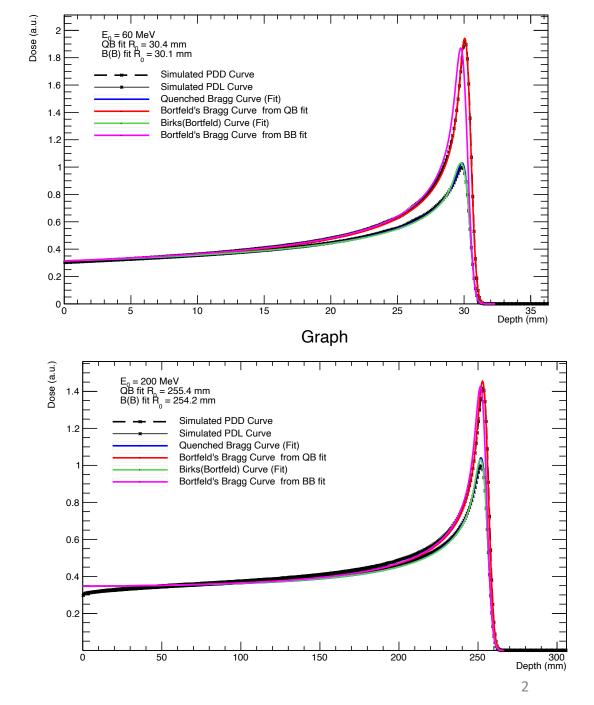
Normalised to the first bin

Graph



- PDD and PDL from Laurent's G4 simulation
- PDL fitted independently using two functions:
 - Quenched Bragg curve (blue)
 - Birks(Bortfeld) S/(bragg^-1 +kB) (green)
- Two Bortfeld's Bragg curves drawn independently using the two set of fit parameters





- HIT proton data fitted independently using two functions:
 - Quenched Bragg curve (blue)
 - Birks(Bortfeld) S/(bragg^-1 +kB) (light blue)

