Data/MC comparison (tracker and cal layers) for new LPM and extra X0

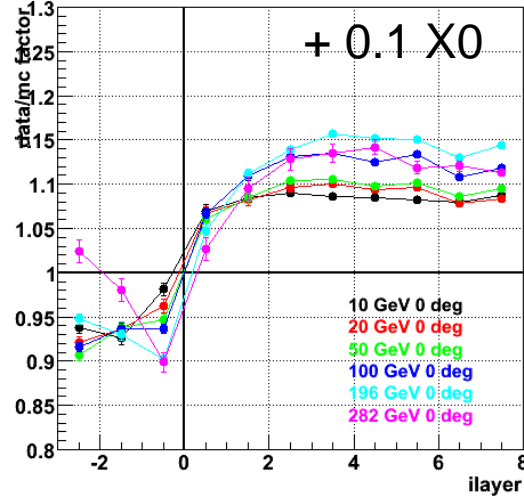**Gamma-ray Large Area Space Telescope**

- Last data reprocessing :
  - recon-v2r71215p1
- Simulation
  - v9r1407p3L-QGSP_BERT : new LPM
  - v9r1407p3L-QB_010X0 : new LPM + 0.1 X0
  - v9r1407p3L-QB_020X0 : new LPM + 0.2 X0
  - 10, 20,50, 100, 196 and 282 GeV for 0, 10 deg
- Including also tracker comparison :
  - ilayer = -2.5 : TkrThinHits
  - ilayer = -1.5 : TkrThickHits
  - ilayer = -0.5 : TkrBlankHits
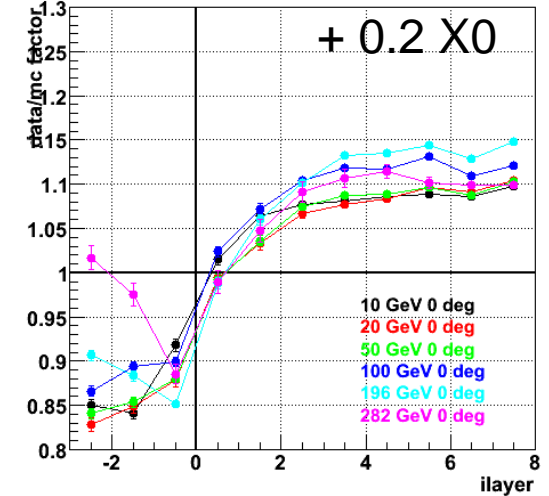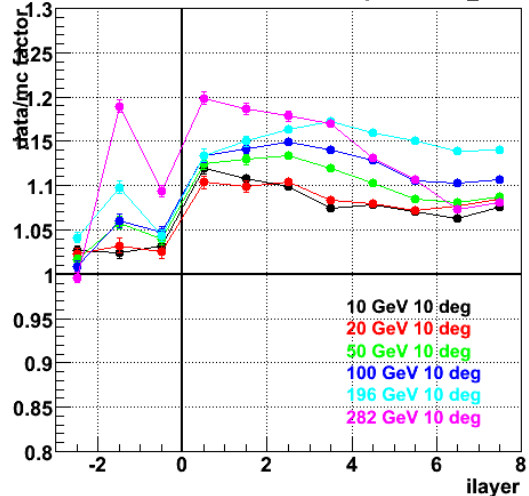
Top : 0 deg - bottom : 10 deg
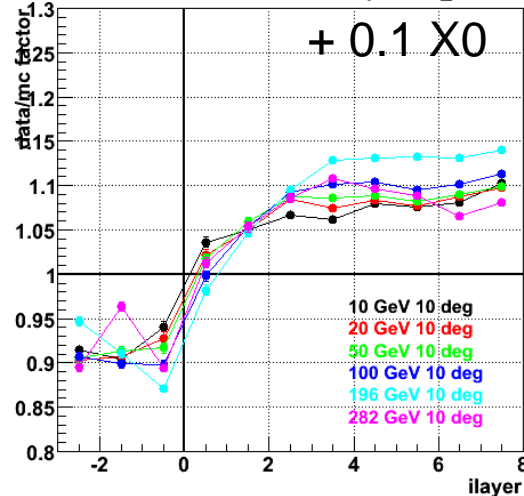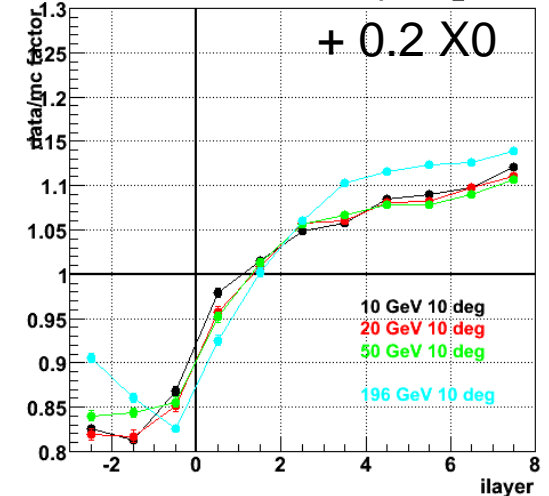
Conclusions

- The results are nicer with extra material full simulation

- The optimal extra X0 seems to be between 0.05 and 0.1 X0

- It seems that 0 and 10 deg favor the same optimal extra X0 (that's really nice !)

- The global scaling factor seems to be ~+10%