

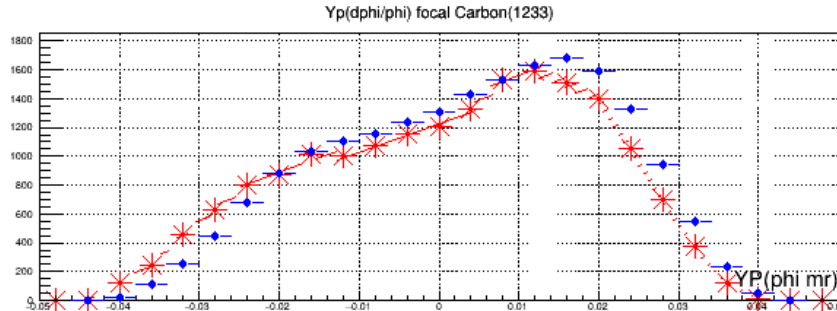
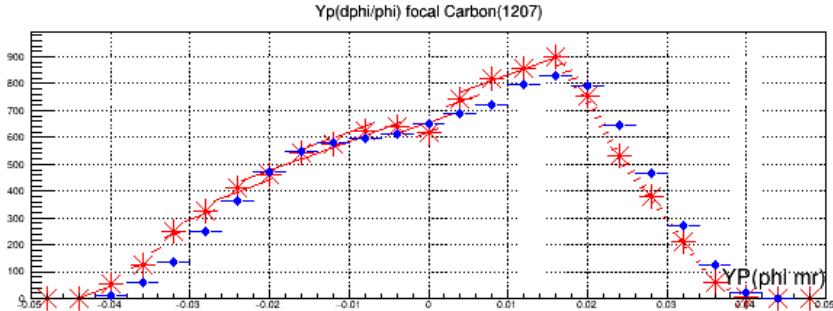
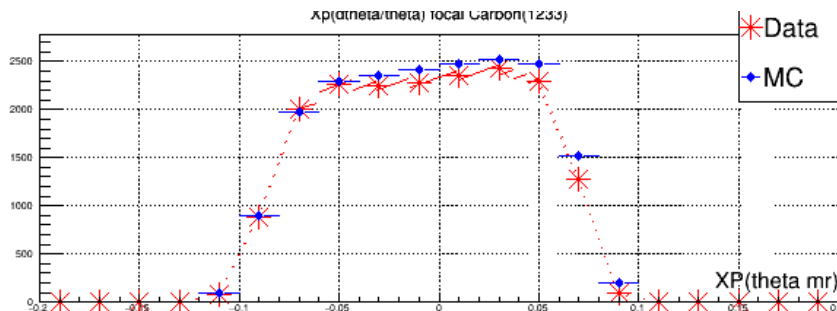
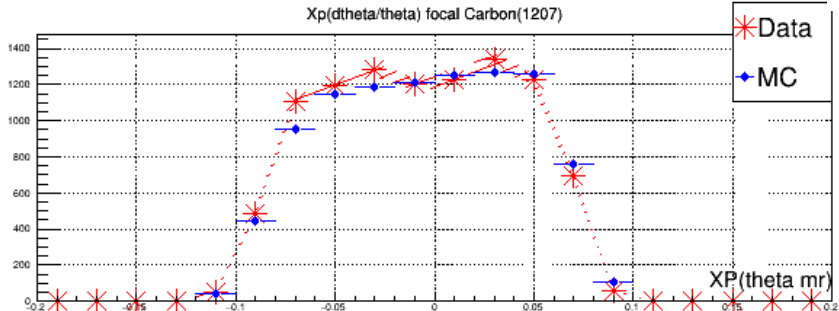
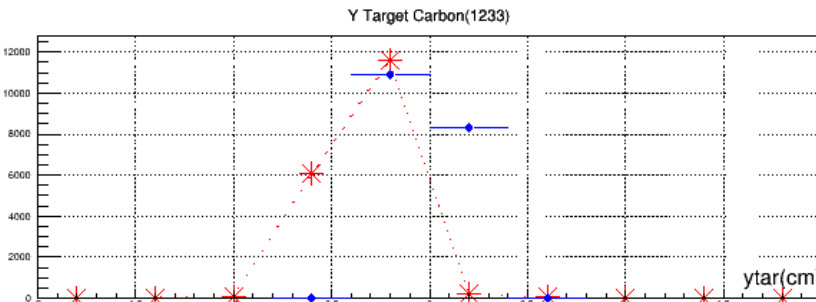
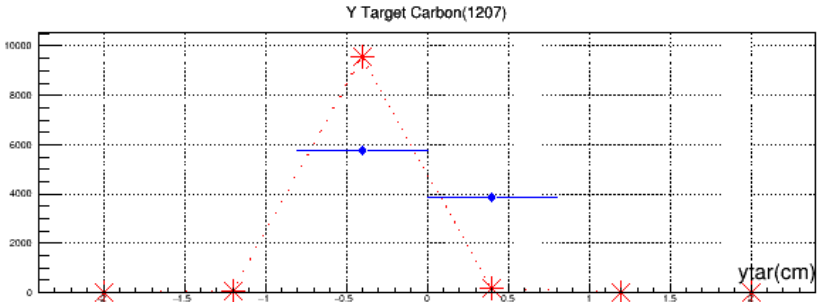
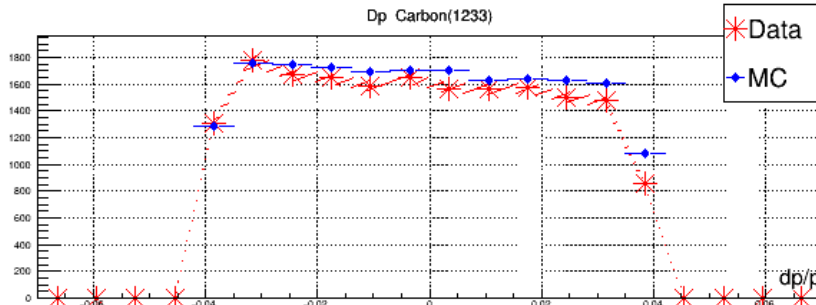
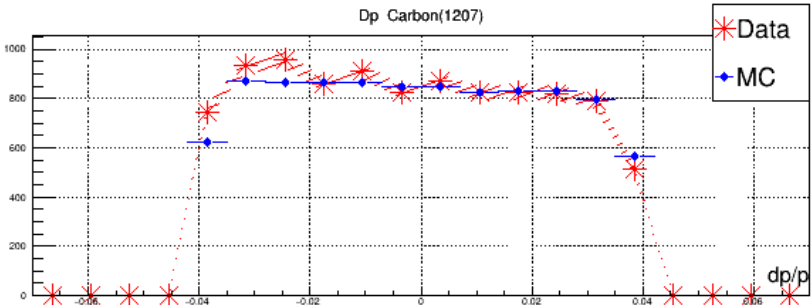
Monte Carlo to Data comparison

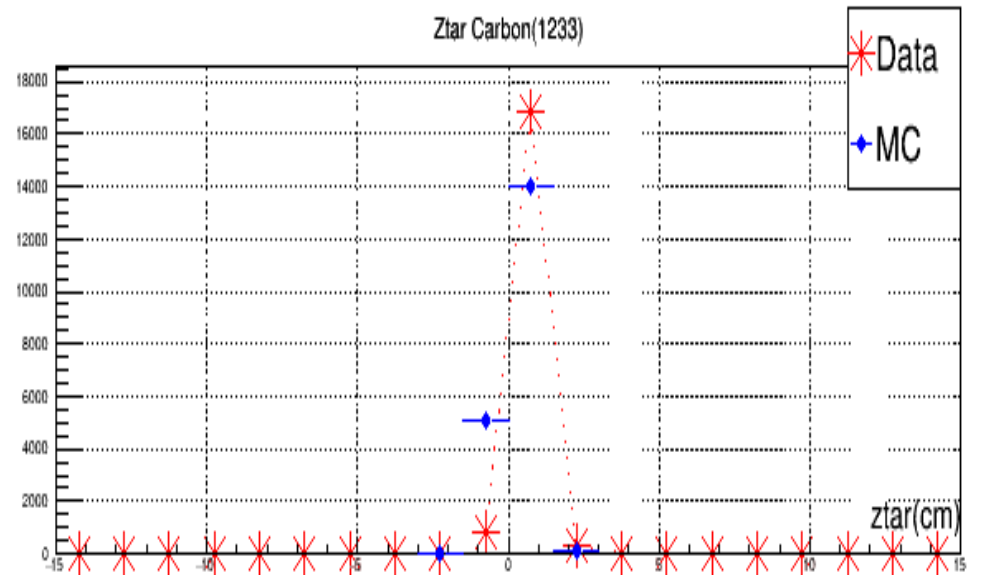
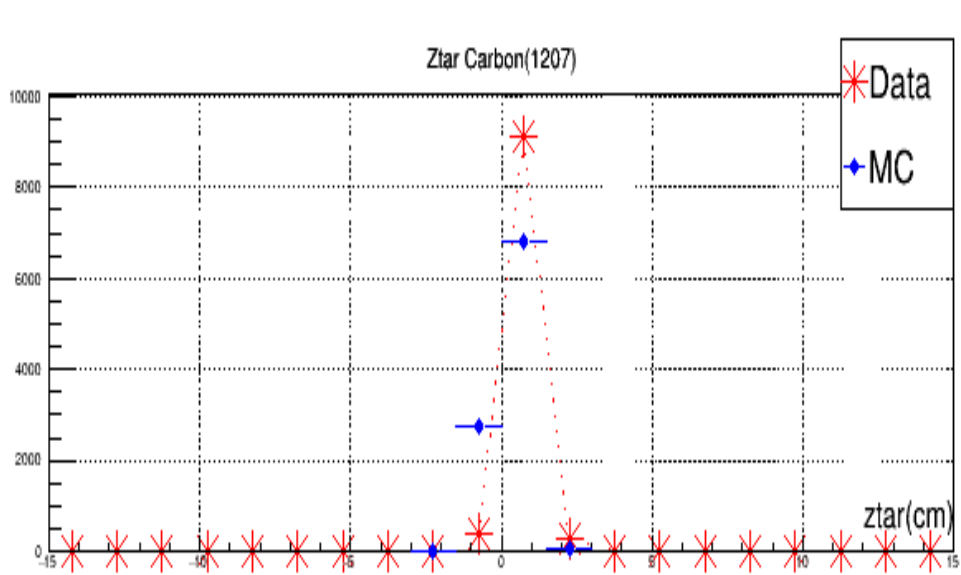
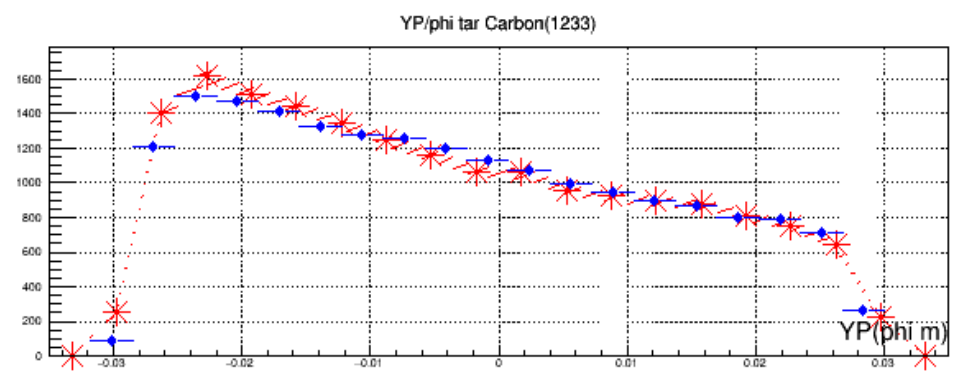
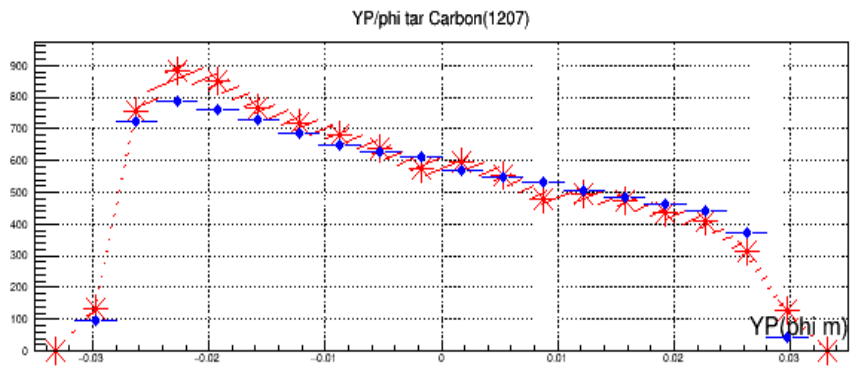
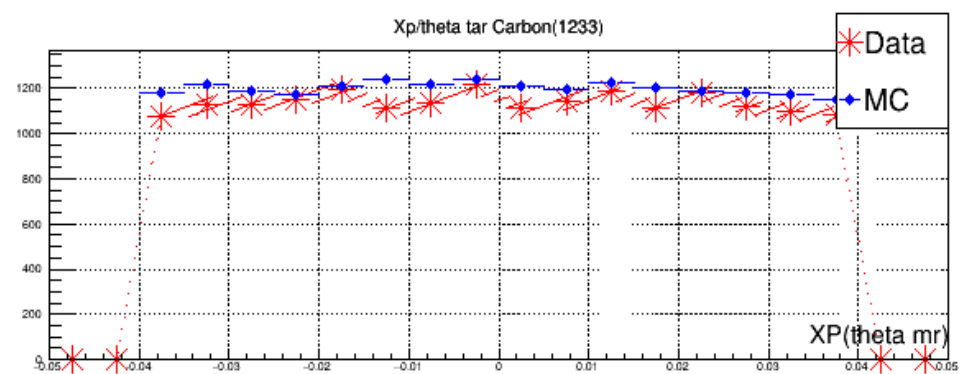
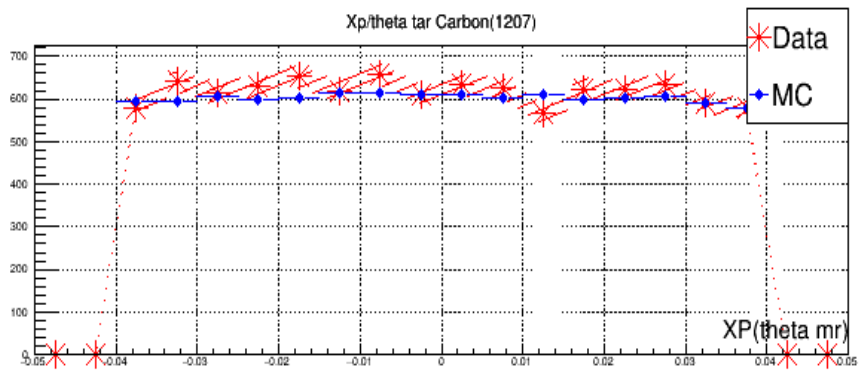
- $\text{abs}(y_{\text{ptar}}) \leq 0.03$
- $\text{abs}(x_{\text{ptar}}) \leq 0.04$
- $\text{abs}(z_{\text{tar}}) \leq 9.0$
- $\text{abs}(\text{delta}) < 4$
- $(\text{L.cer.asum_c} > 1500)$
- $(\text{L.prl1.e} + \text{L.prl2.e}) > P0 * 0.7$
- $(\text{L.tr.beta} > 0.5)$
- $\text{fabs}(\text{L.tr.tg_dp}) < 0.04$
- $\text{fabs}(\text{L.tr.tg_th}) < 0.04$
- $(\text{fabs}(\text{L.tr.tg_ph}) < 0.03)$
- $(\text{fabs}(\text{L.tr.vz}) < 0.09)$

Included into event generation

- Generate 1M events
- Set z target offset of -0.3 cm.
- **Weighting**
 - Born corrected for relative effects.
 - Luminosity of data run
 - Phase space of generated events.
 - Dead time
- Still need to include:
 - Density correction
 - Detector eff.
 - PID eff
 - Trigger eff.
- Spectrometer x,y,z offset retrieve from db_run.dat
- Multiple scattering
- Wire chamber smearing
- Simulate energy loss for outgoing particles

Carbon foil kin1 and kin2





D2 kin1 #1214

