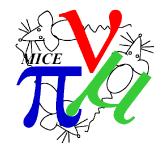




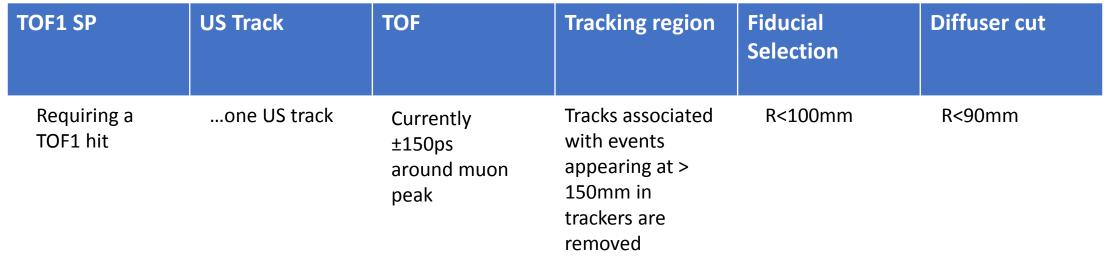
Content

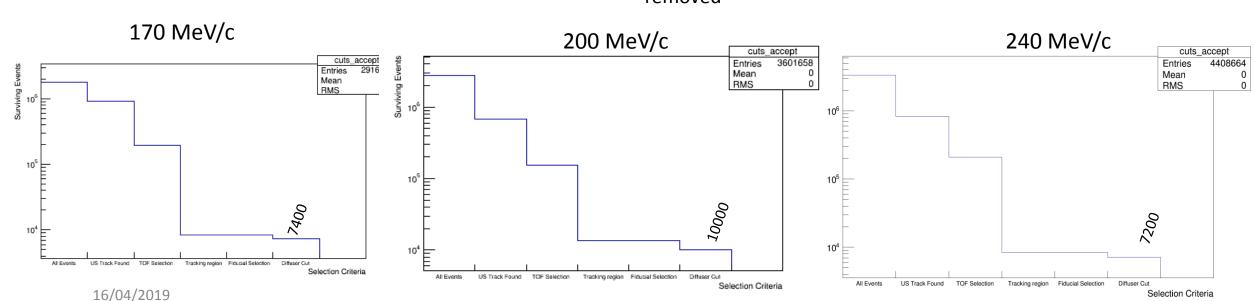
- Selection update
- Alignment / fiducial radius
- Al+ LH2 path length / energy loss
- Normalised scattering distributions
- Future work



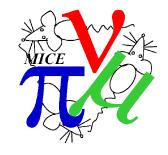


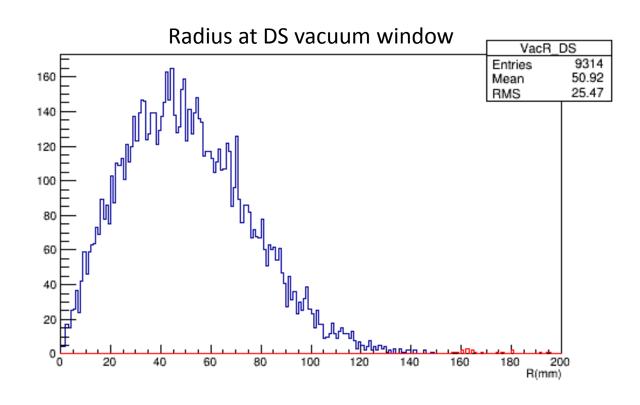
Selection









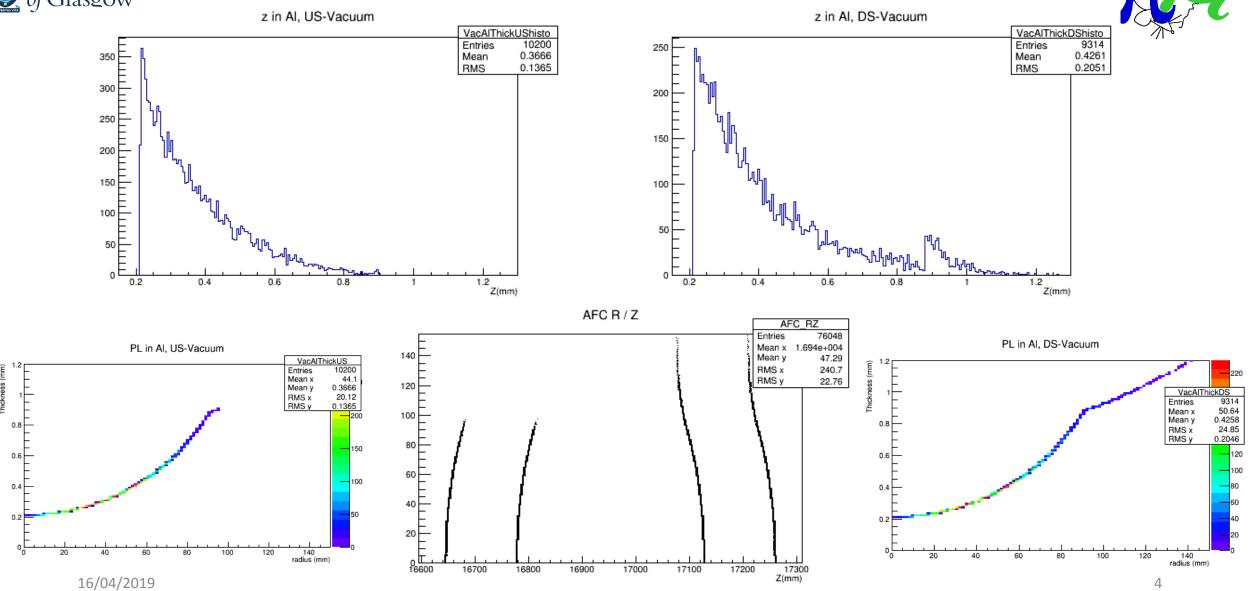


- For ~0.5% of selected beam, path length calculation is impossible
- Tracks are pushed to overflow bin

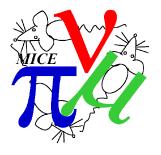
16/04/2019



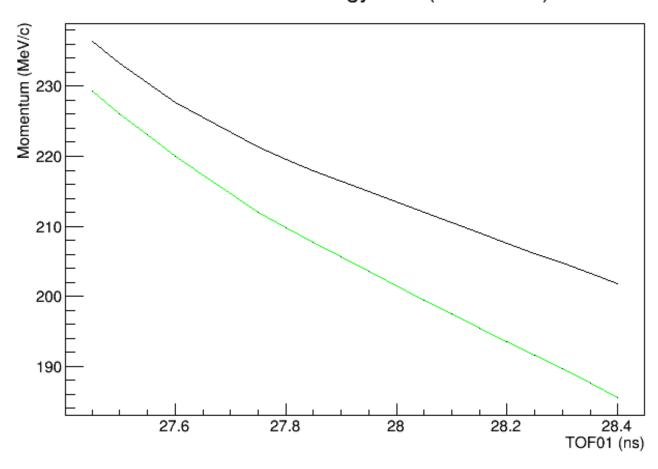
Al thickness (z) for US & DS Vacuum window







Energy loss (200MeV/c)

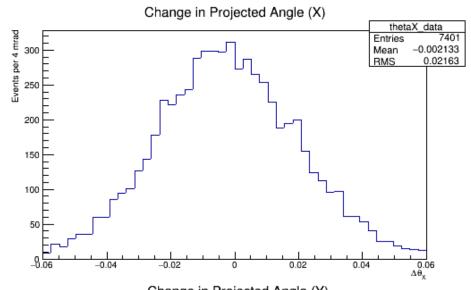


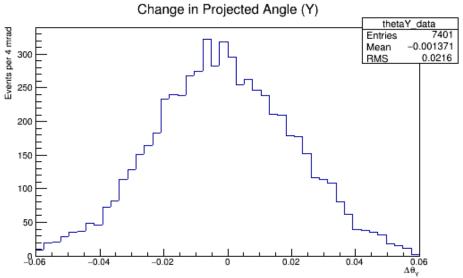


170MeV/c



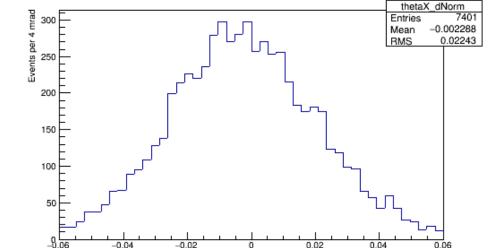
Before normalisation





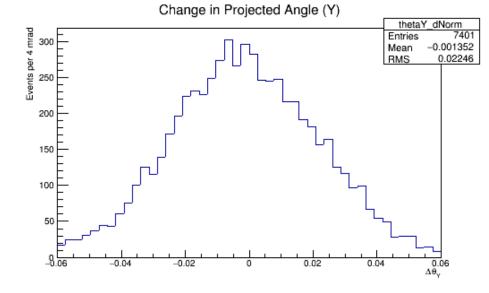
Normalisation:

$$\theta_N = \frac{350}{PL}\theta$$



Change in Projected Angle (X)

Normalised

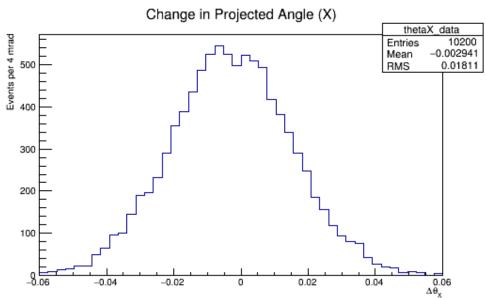


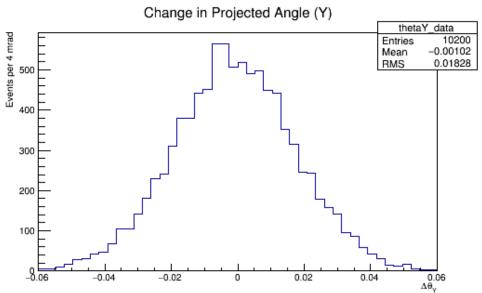


200MeV/c

NICE TO SERVICE

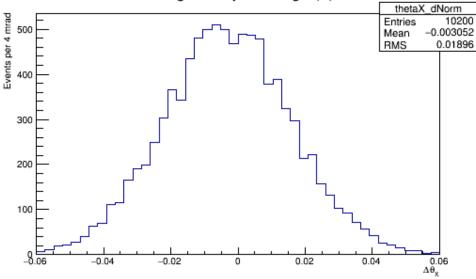
Before normalisation





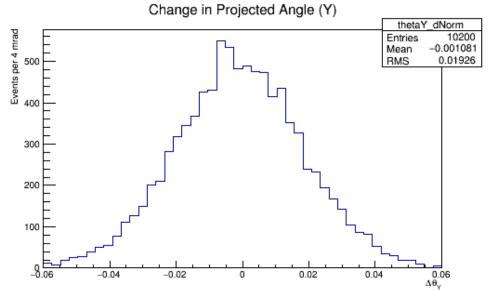
Normalised





Normalisation:

$$\theta_N = \frac{350}{PL}\theta$$

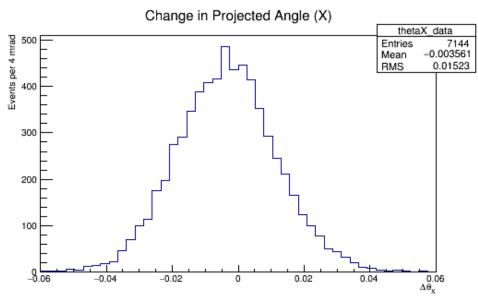




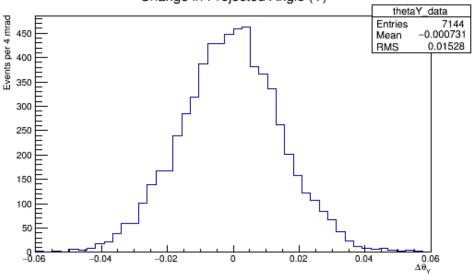
240MeV/c



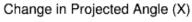
Before normalisation

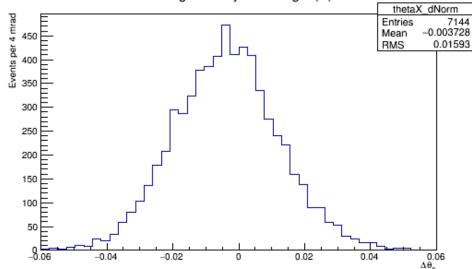






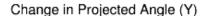
Normalised

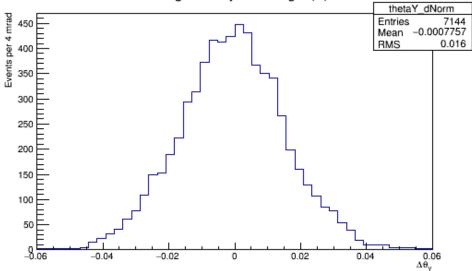




Normalisation:

$$\theta_N = \frac{350}{PL}\theta$$





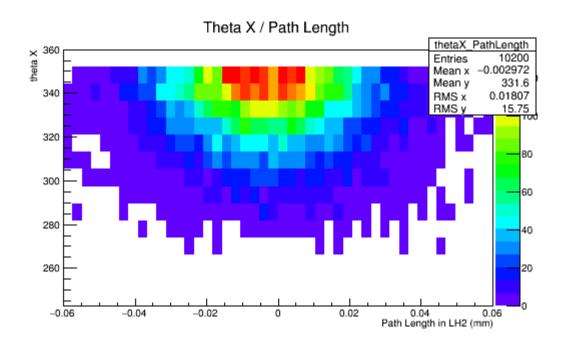


200MeV/c



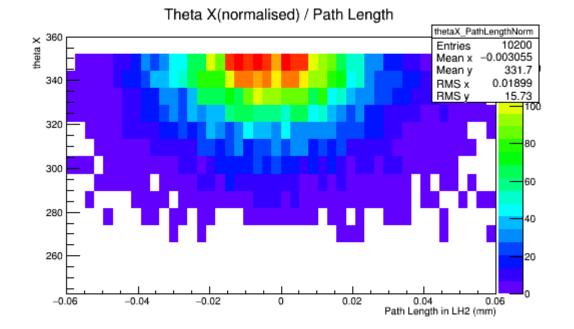
Before normalisation

Normalised



Normalisation:

$$\theta_N = \frac{350}{PL}\theta$$

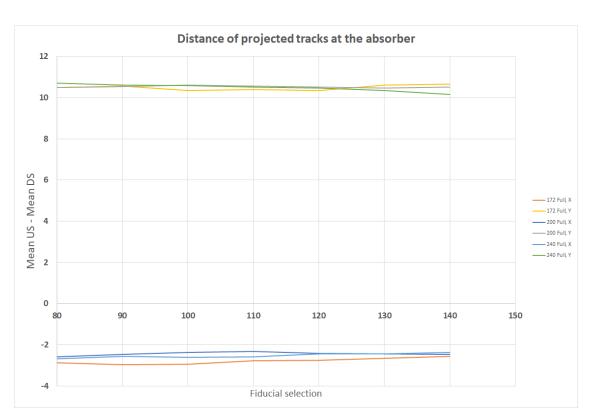




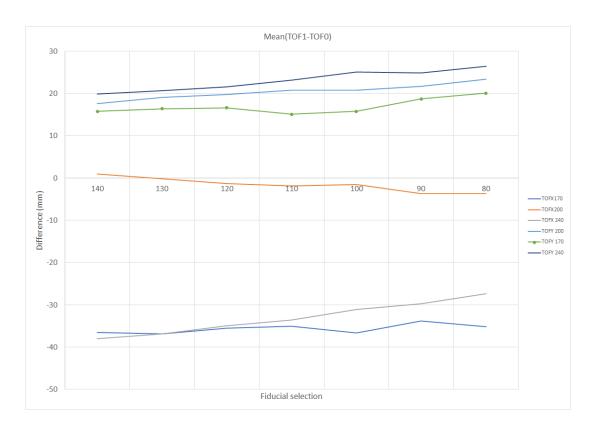
MICE

Alignment

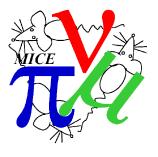
Trackers, projection at absorber



TOF Spacepoints







Future Work

- MC error calculation to LH2 path length
- Error calculation for Al. thickness
- Alignment
 - MC
 - Investigate applied alignment procedure
- PID