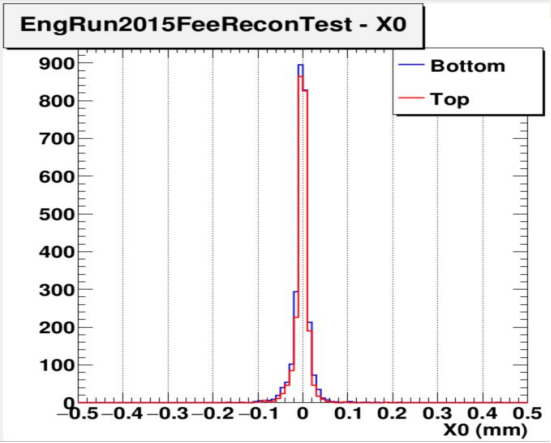
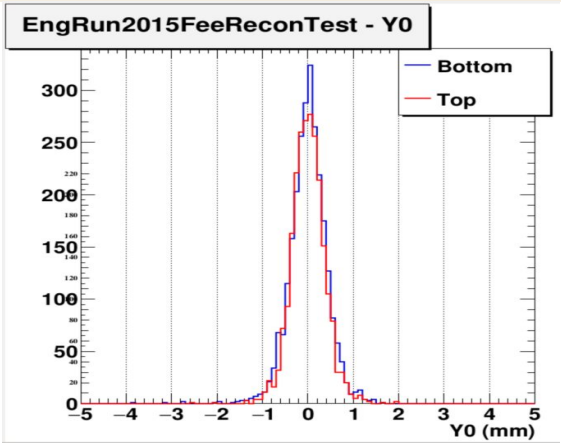
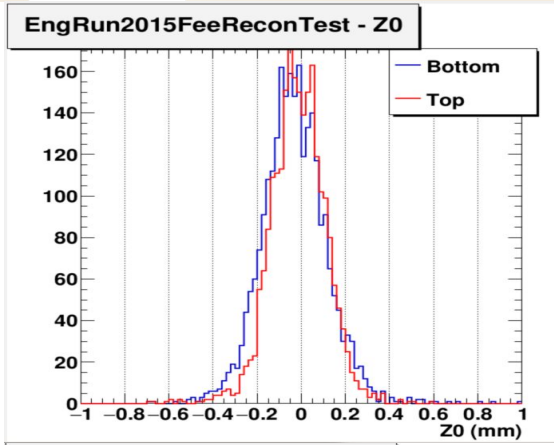
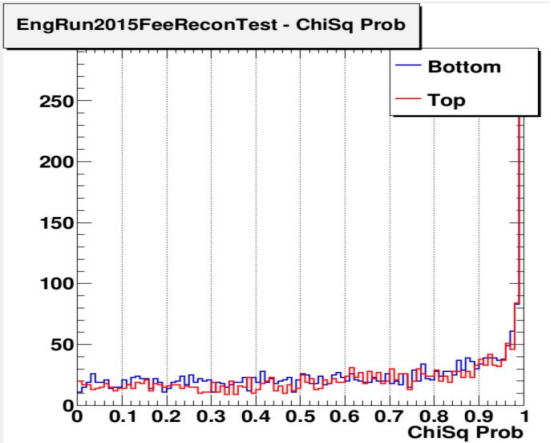
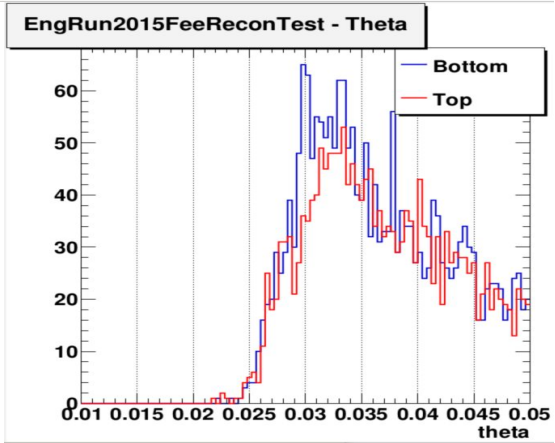
2015 Performance Studies

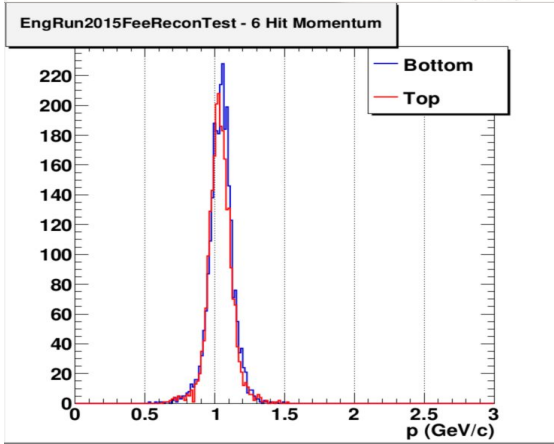












2015 Performance Studies

https://confluence.slac.stanford.edu/display/hpsg/2015+Performance+Studies

Task List:

Hit Level:

- time evolution of noise - (Omar @Paris)
- noise occupancies - (Omar @Paris)
- peak occupancy vs. layer - (Omar @Paris)
- cluster size vs. layer - (Omar @Paris)
- cluster amplitude vs. layer - (Omar @Paris)
- S/N vs. layer - (Omar @Paris)
- time resolution vs. layer - (Omar @Paris)
- hit efficiency vs. layer - Omar
- hit efficiency vs. momentum - (Omar @Paris)
- bias scan (cluster amplitude vs. L1 hit location)

Track Level:

- track chi-squared (data vs. MC) - (Pelle @Paris)
- track parameters (data vs. MC) - (Pelle @Paris)
- track-cluster matching - (Pelle @Paris)
- tracking efficiency - (Matt G.)
- track fake rate (vs. momentum)
- track time resolution - (Pelle @Paris)
- momentum scale/resolution (top, bottom) - Omar
- empty target tracking - (Pelle @Paris)
- alignment checks - (Pelle)

Vertex Level:

- vertex distributions (data vs. MC) - (Sho)
- mass resolution - (Many)
- Moller mass resolution - Omar