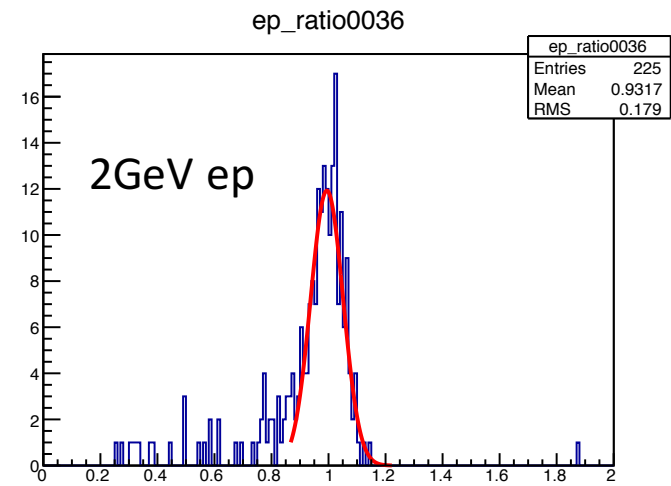
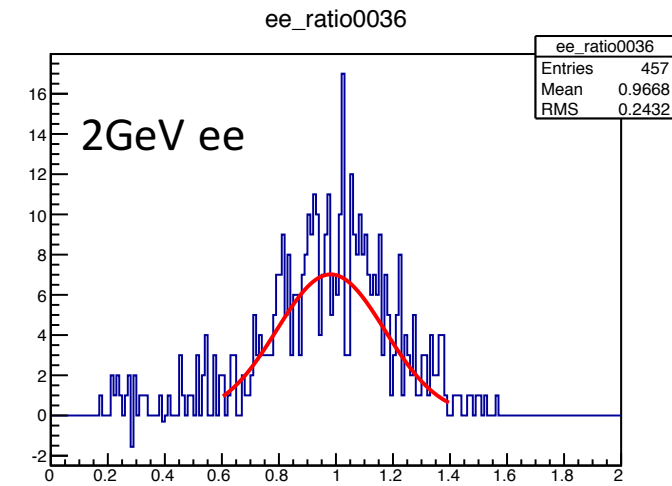
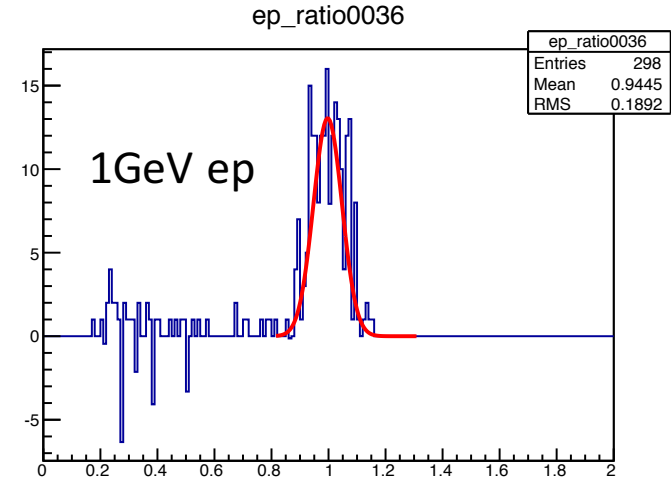
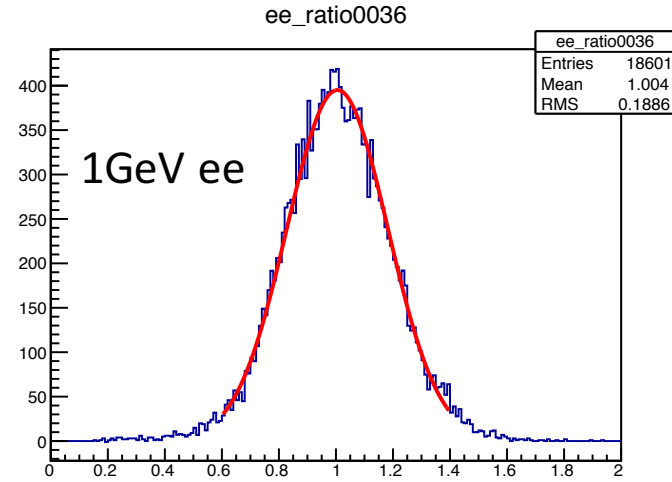
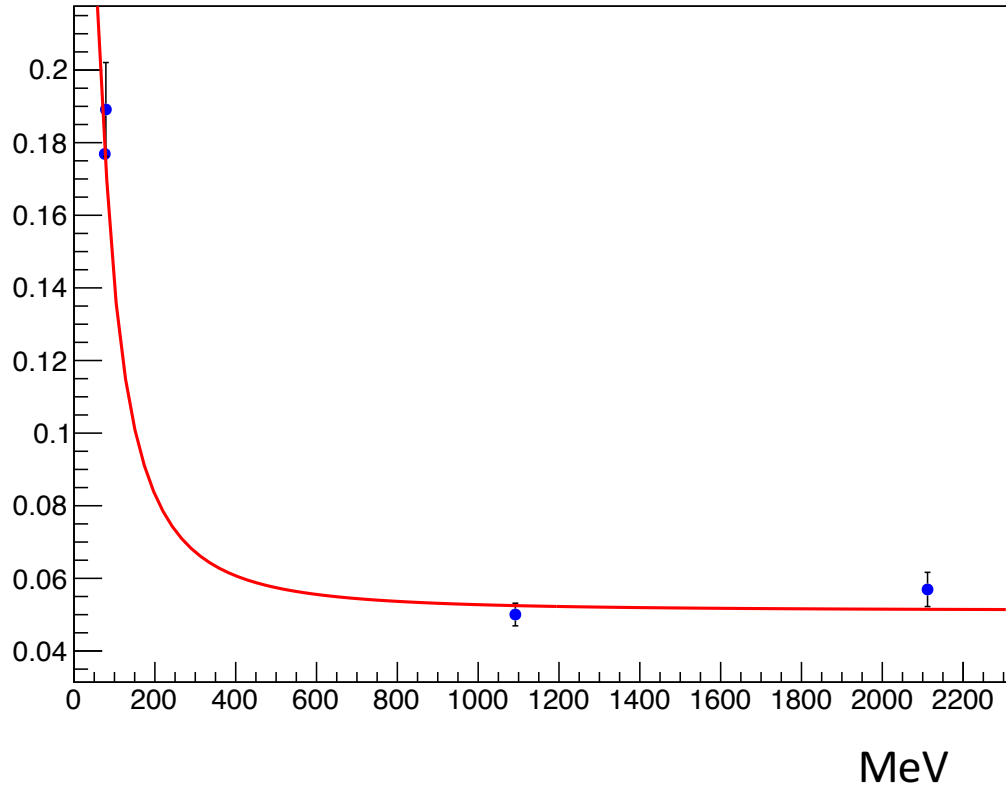


Progress on Physics Calibration

- Physics calibration finished on Wednesday
 - Include all data from 1GeV and 2GeV
 - Calibration constants distributed to the collaboration on Wednesday
- Currently working on extracting the resolution curve for each module based on the 1GeV ep and ee peak, and 2GeV ep and ee peak
 - Fit the four data points using function $\frac{a}{\sqrt{E}} \oplus \frac{b}{E} \oplus c$
 - This should resolve the mismatch of ee elastic peak width in simulation and data
 - Hopefully will resolve the disagreement on ep elastic tail part as well
- Remaining issue:
 - A few modules have bad fits, need to fit them separately
 - Sometime modules have bad parameters, but curve very close to the data point

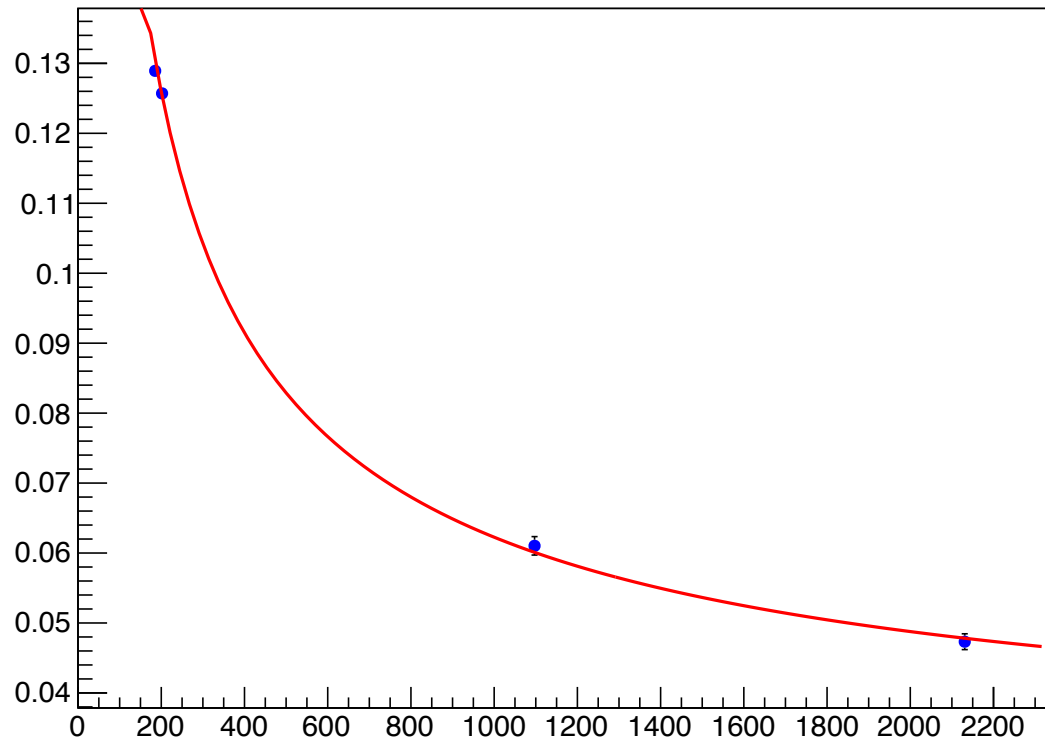
G36--LG module near corner

reso_36



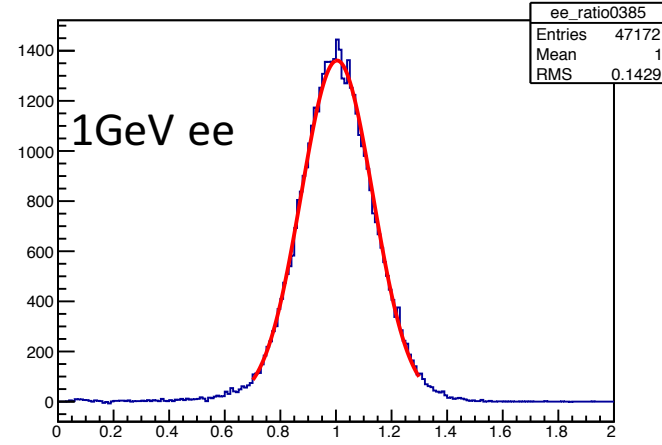
G385--LG module at transition

reso_385

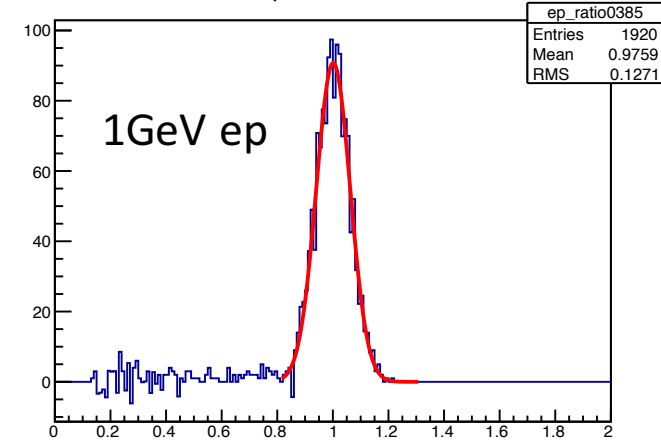


MeV

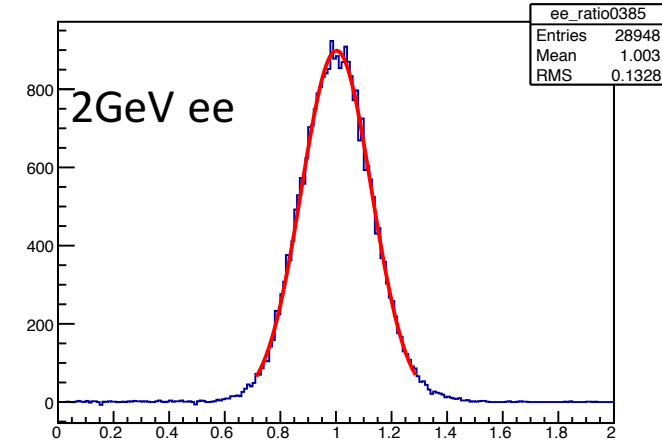
ee_ratio0385



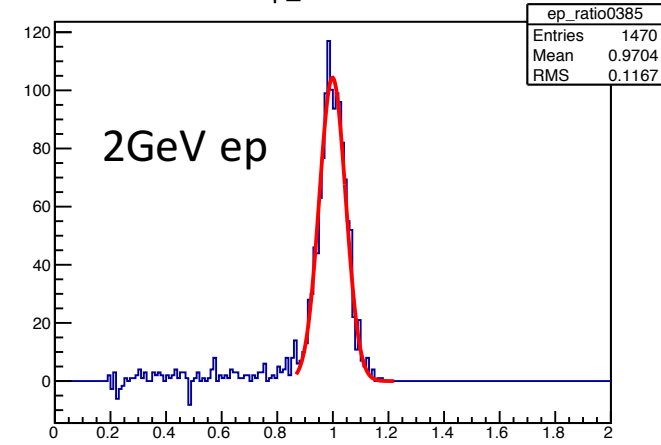
ep_ratio0385



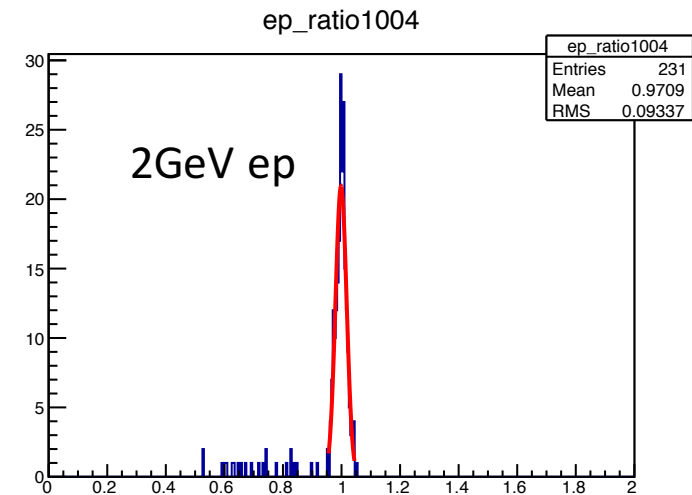
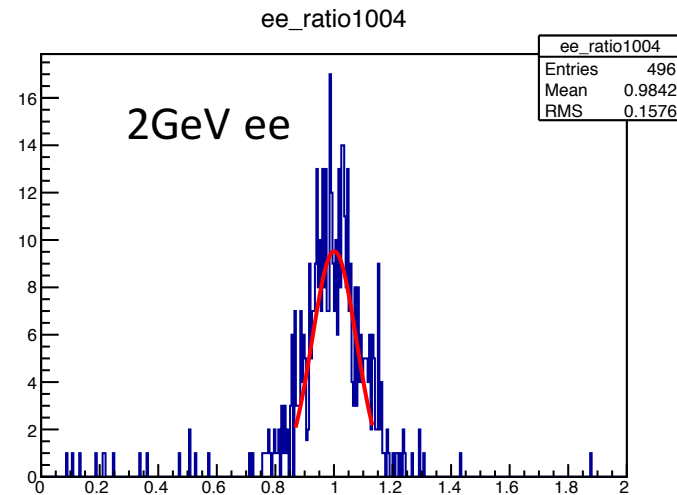
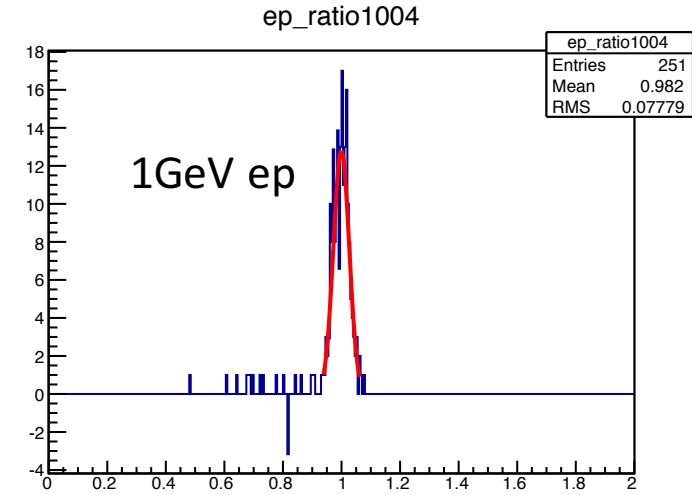
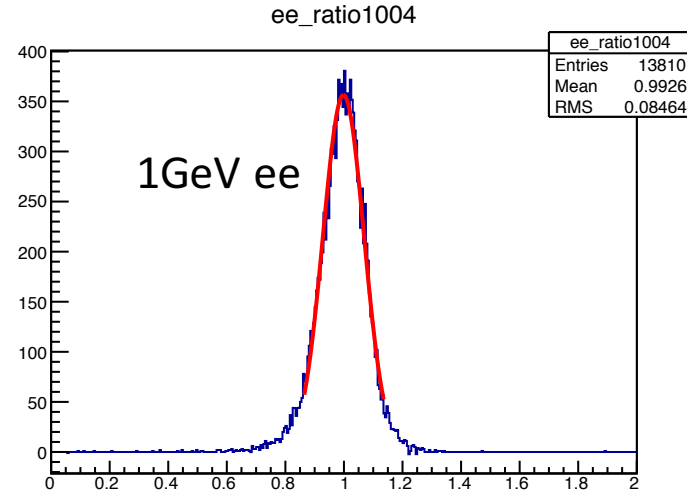
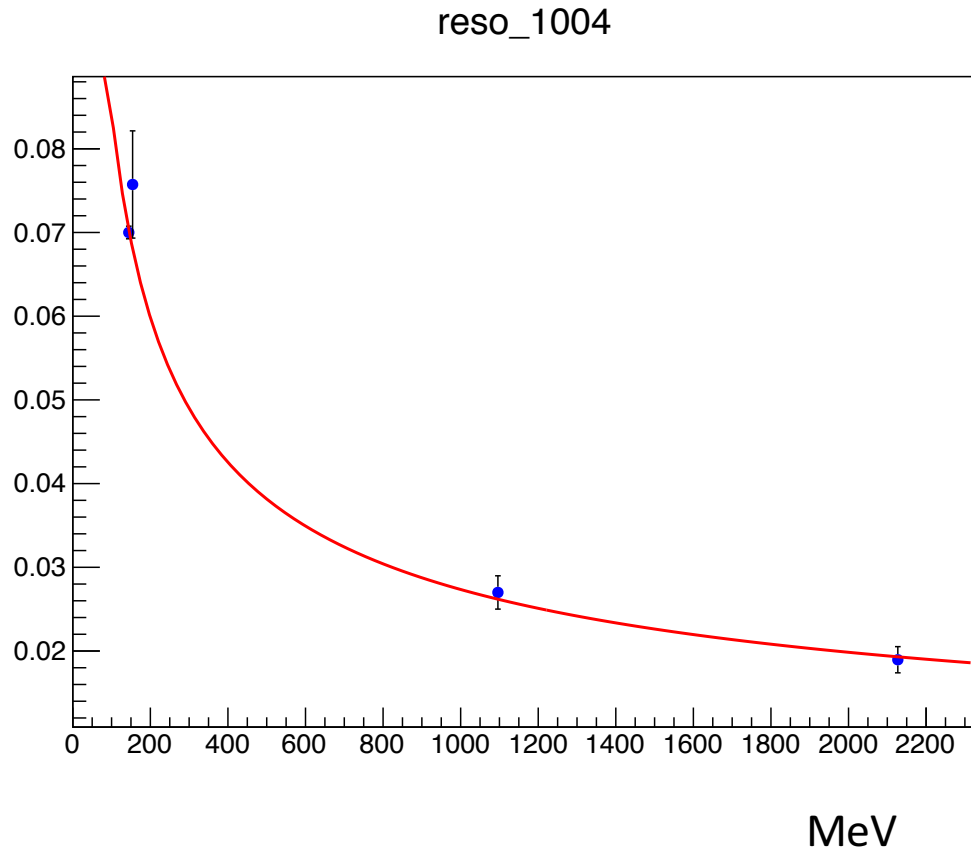
ee_ratio0385



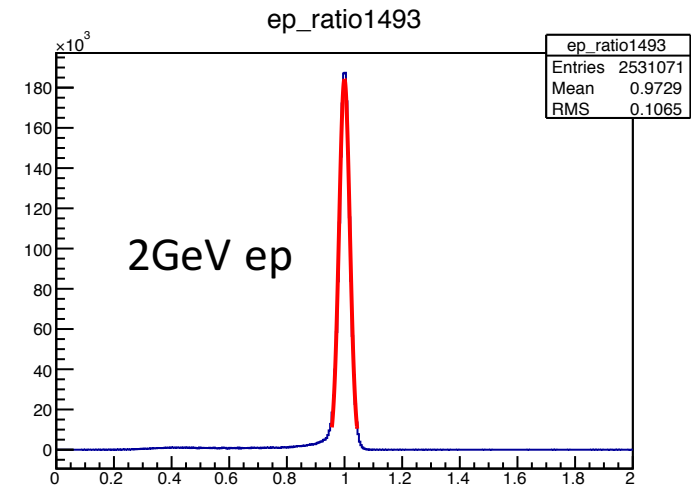
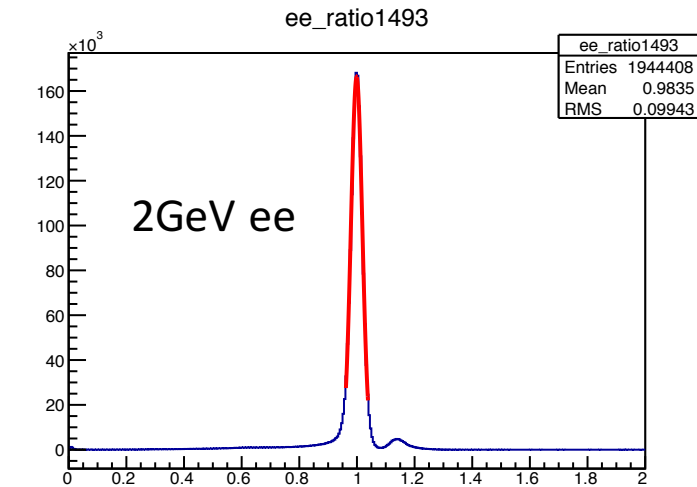
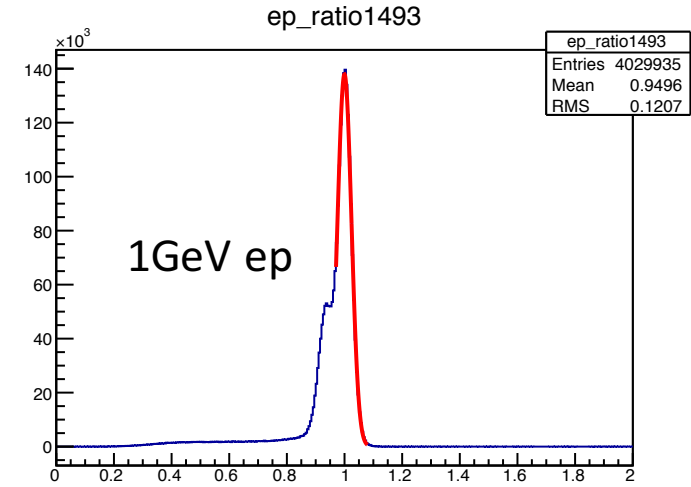
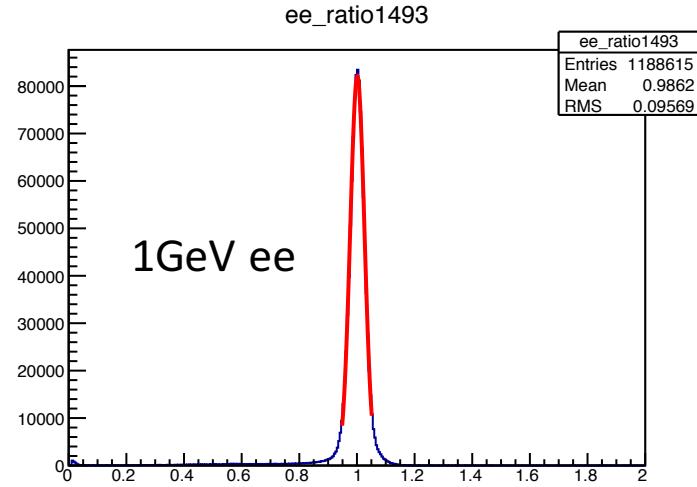
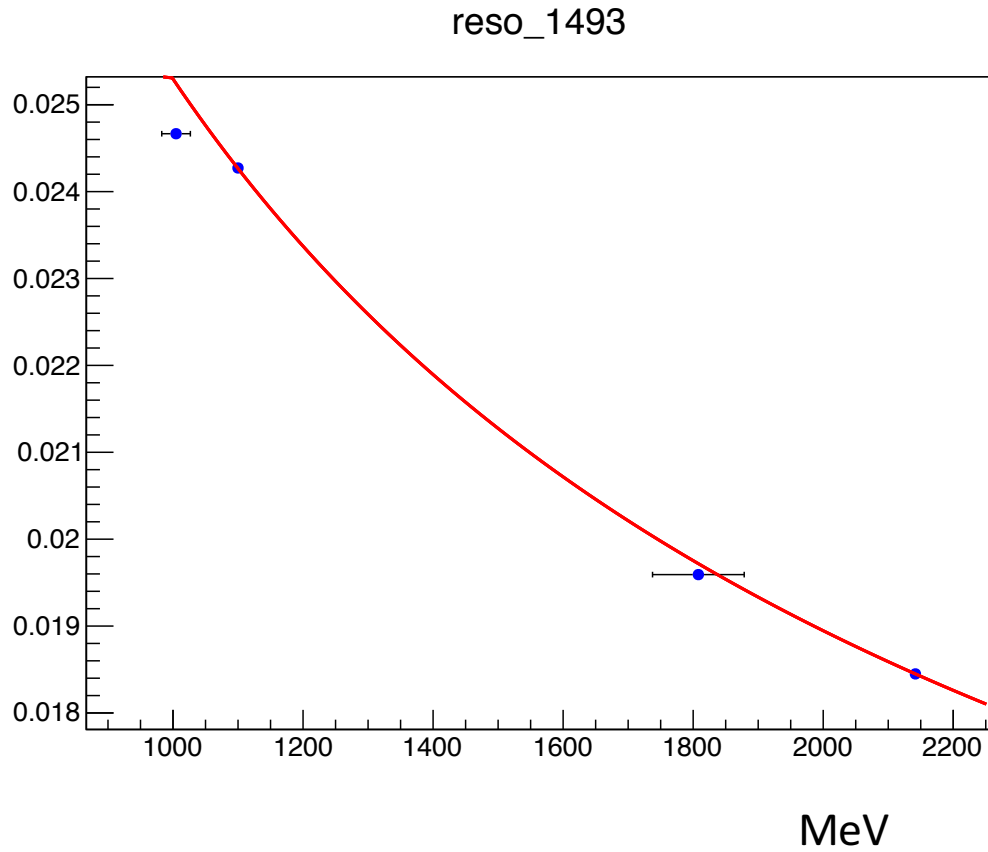
ep_ratio0385



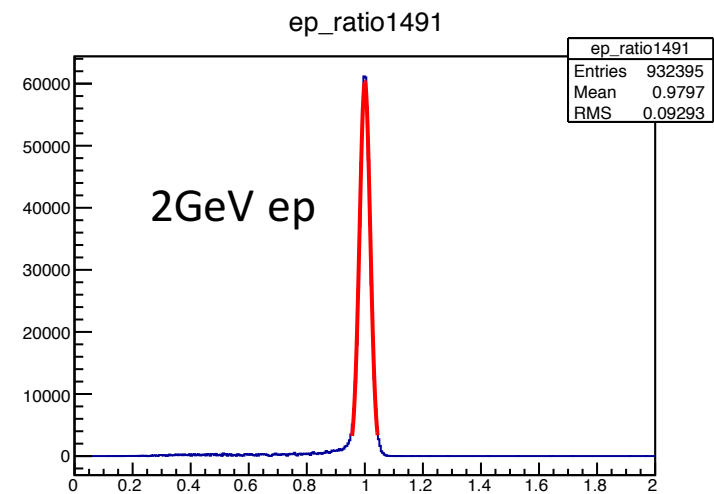
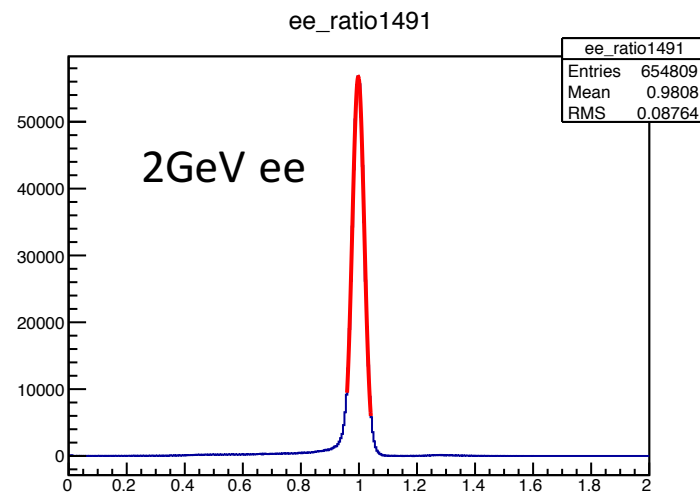
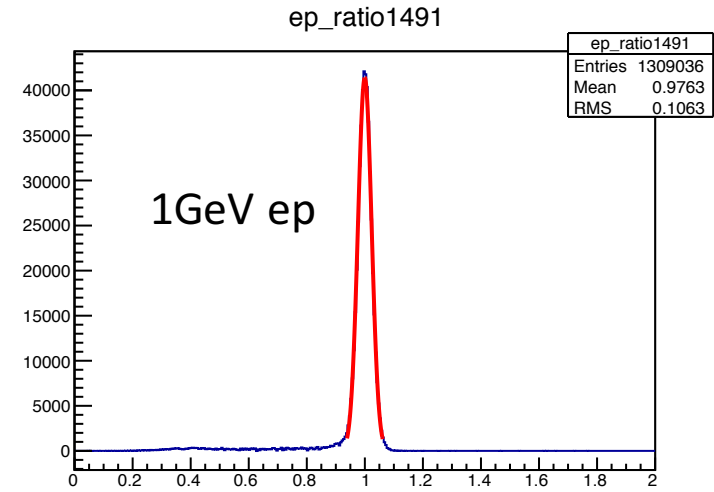
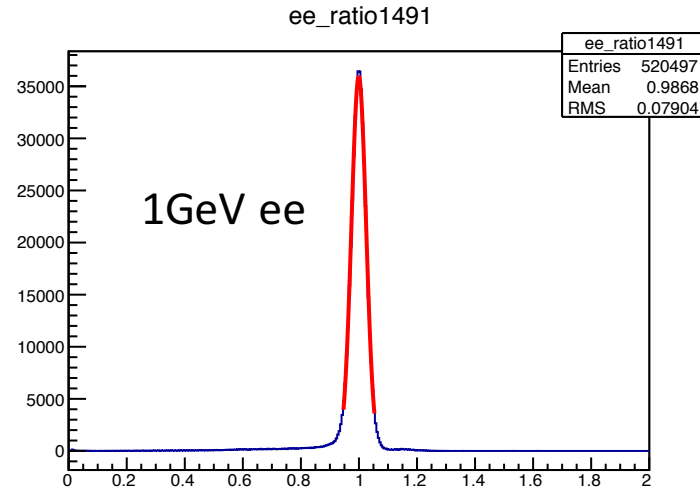
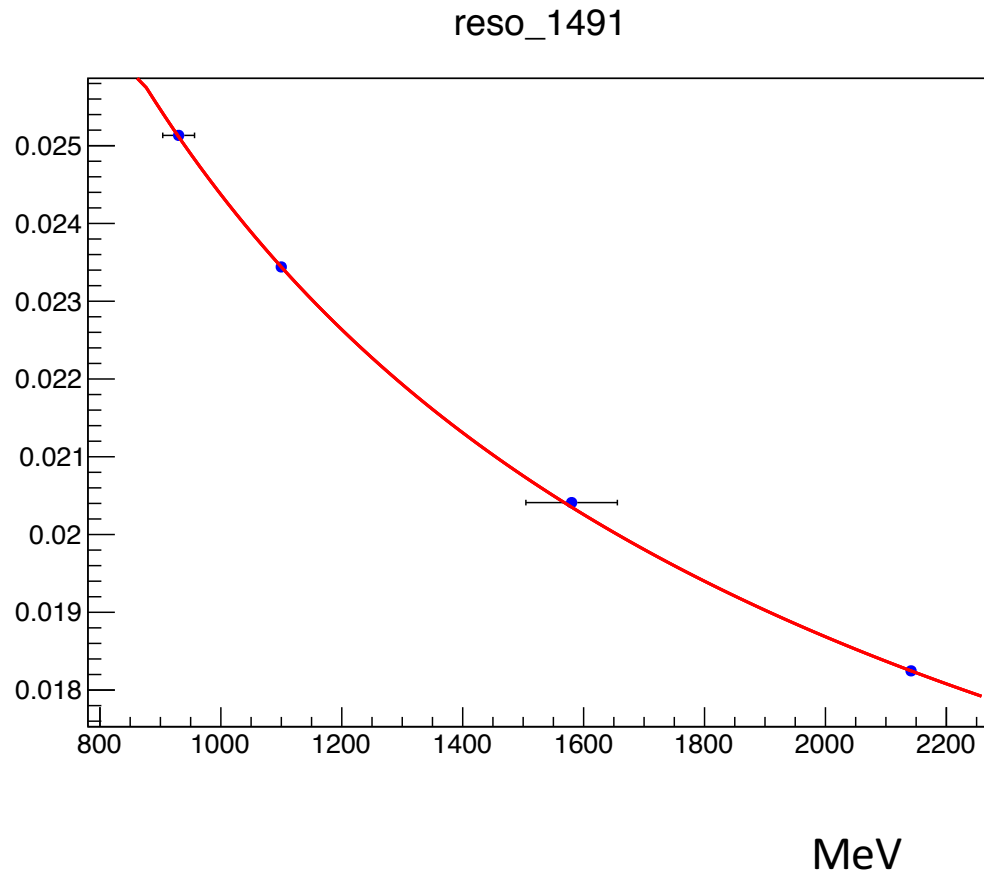
W4—PWO module at corner



W1493—PWO 2nd inner layer



W1491—PWO 2nd inner layer



To do

- Will finalize the fitting parameters today, and give them to Maxime to compare with the results from snake runs
- Will implement it in the simulation, and finish simulation and data matching by next Friday
- Check the ep/ee ratio in 1GeV LG region