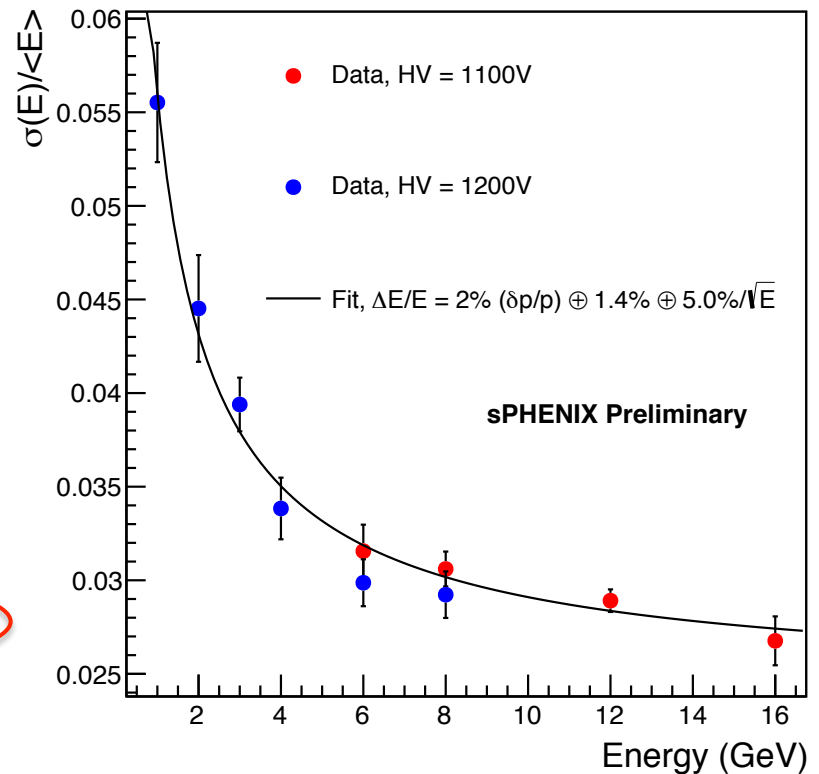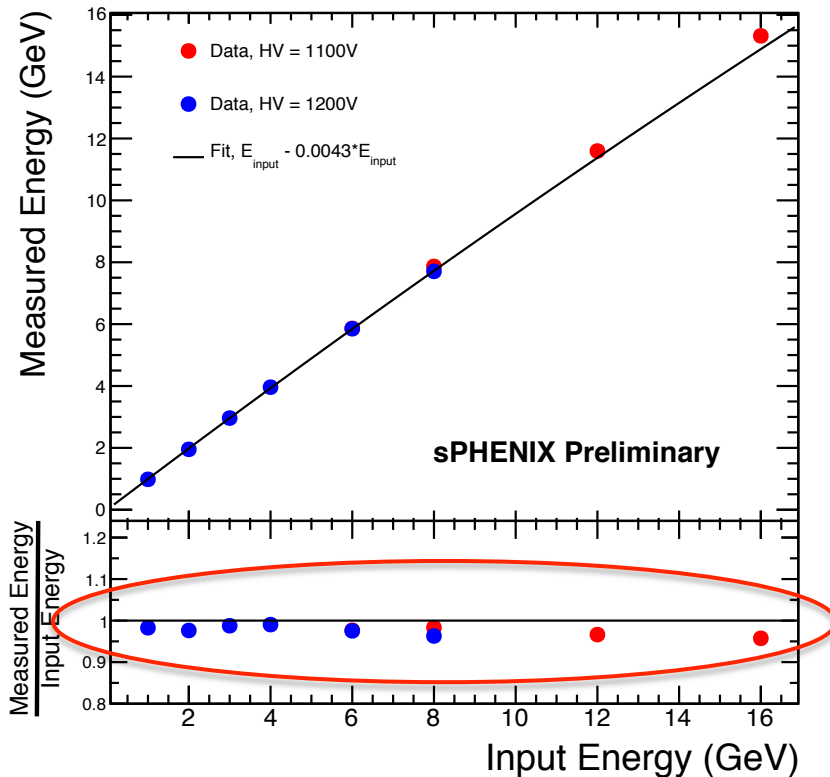# Correcting Input Energy

Pb Glass

Measured/Input energy is similar to what we saw for the EMCal runs- there is some non-linearity in the input energy that we can correct for
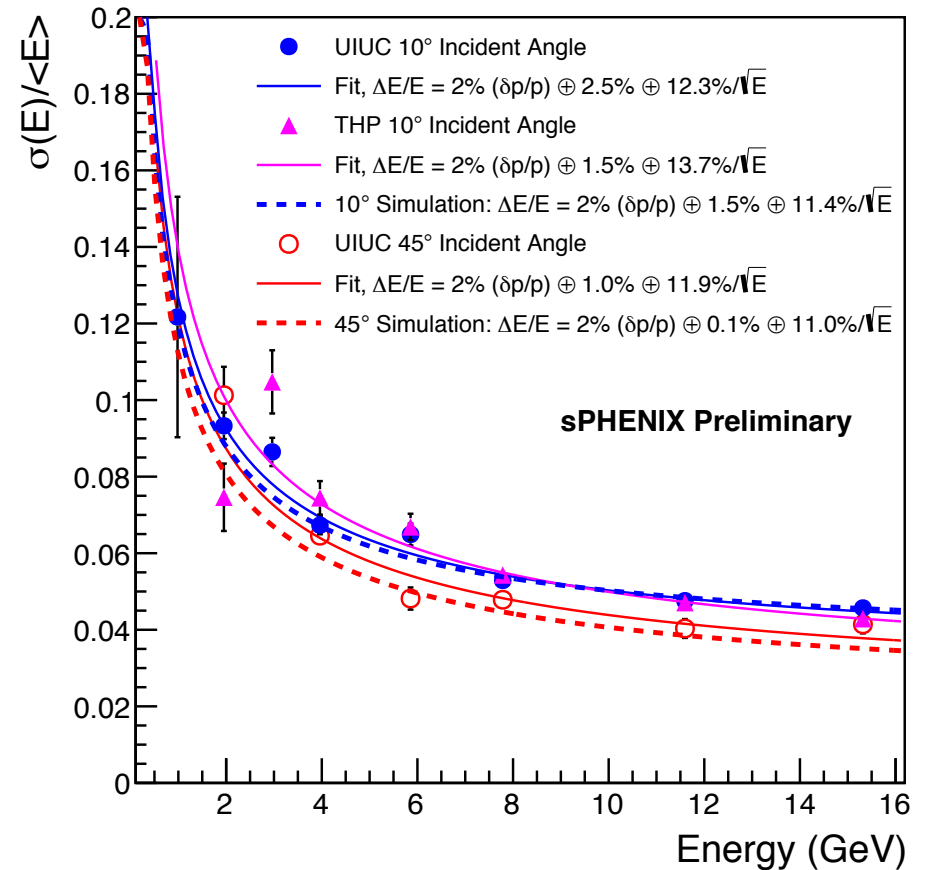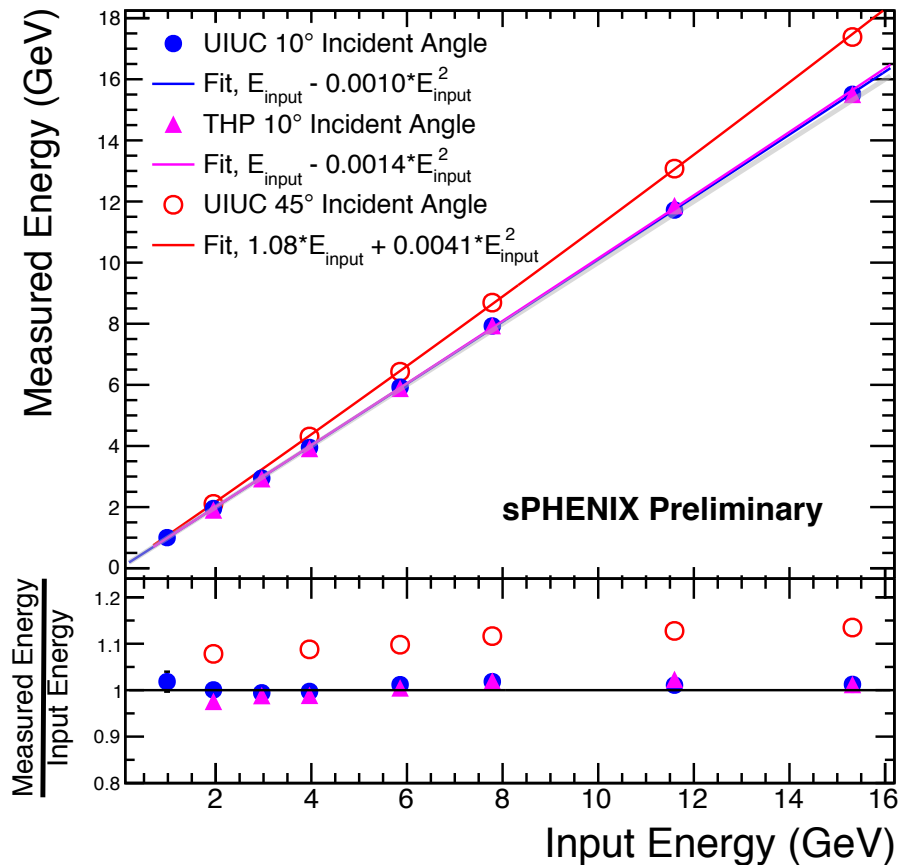
Input Energy	Measured/Input Energy PbGL
1 GeV	0.982731
2 GeV	0.976239
3 GeV	0.98766
4 GeV	0.990394
6 GeV	0.976067
8 GeV	0.973073
12 GeV	0.966285
16 GeV	0.957336

Note: 6 and 8 GeV measured/input energies are the average of the 1100V and 1200V ratios

Corrections

- Using these measured/input energy factors from the Pb glass, modify the input energy used in the resolution and linearity plots
- Modified input = nominal input *(measured/ input for PbGL)

Center of Tower with New Input Energies

Position Corrected with New Input Energies