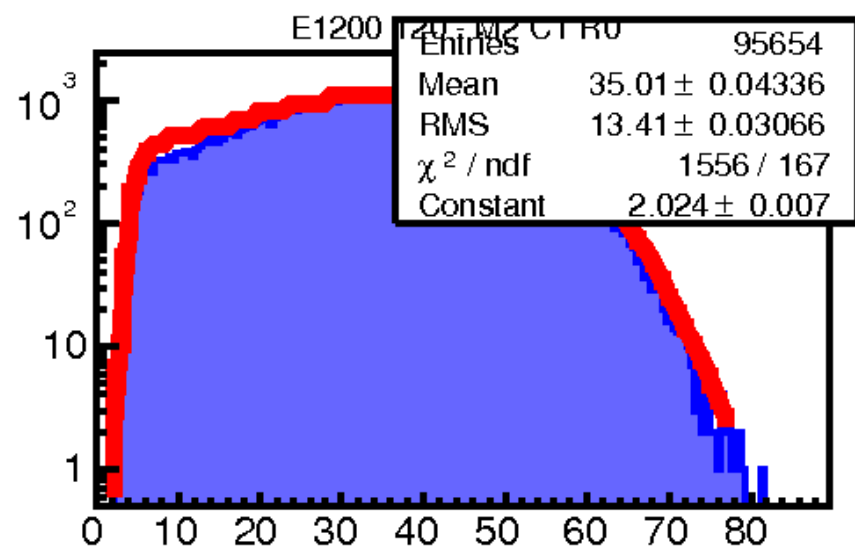
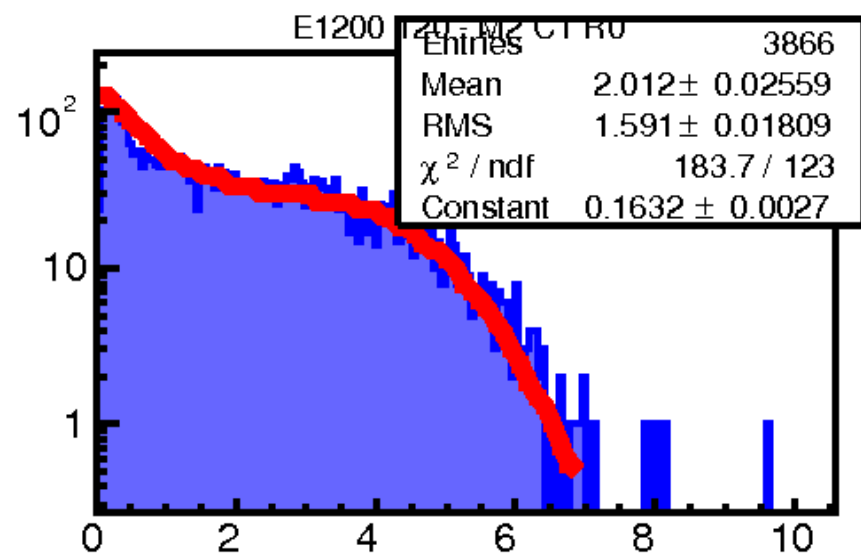
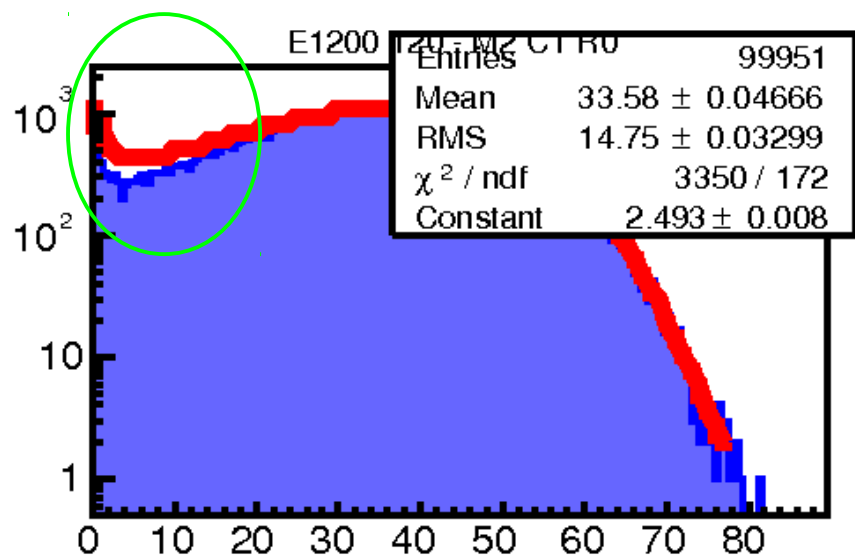


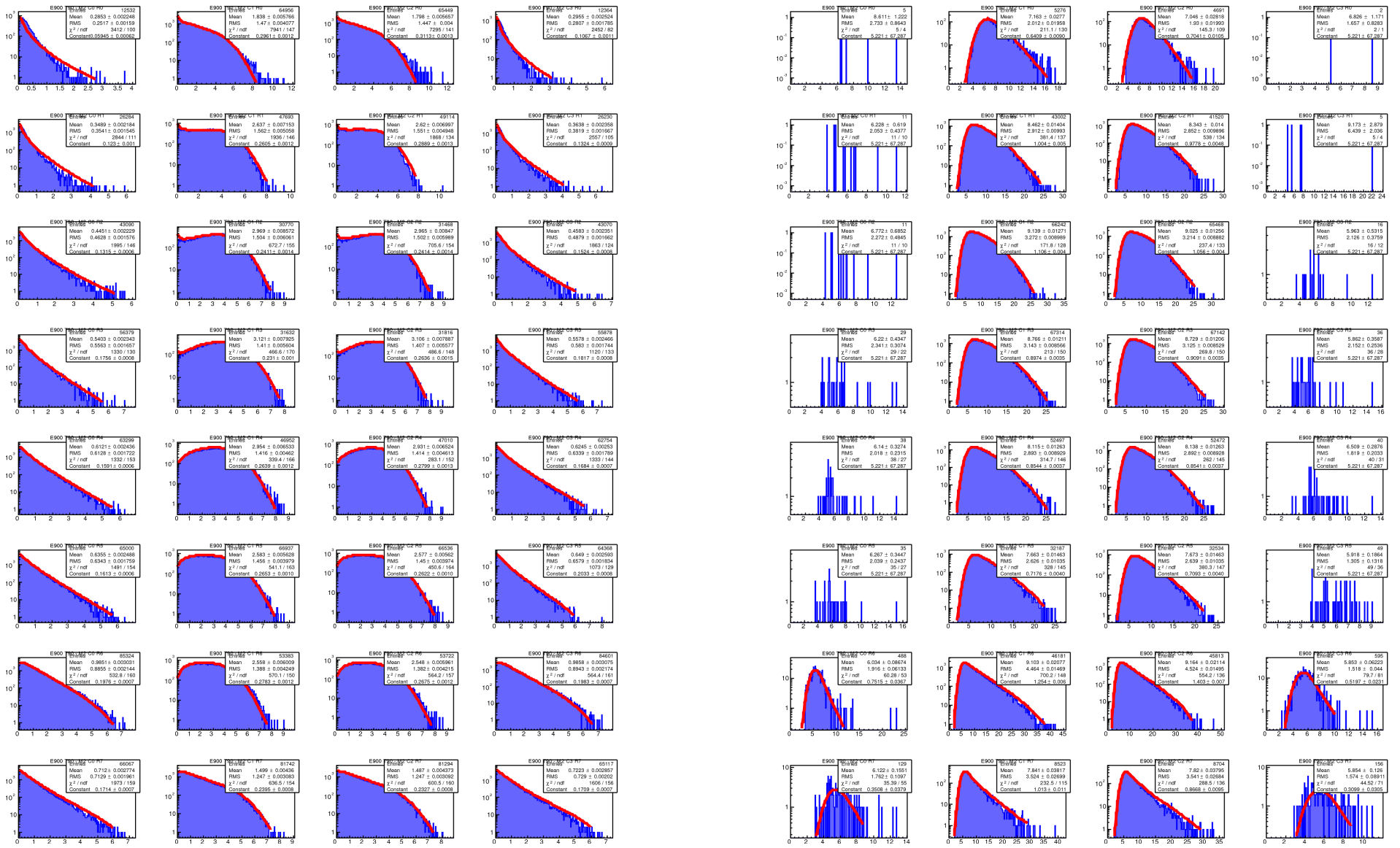
Status of Sample Fraction Study

Andrei Semenov (UofR)

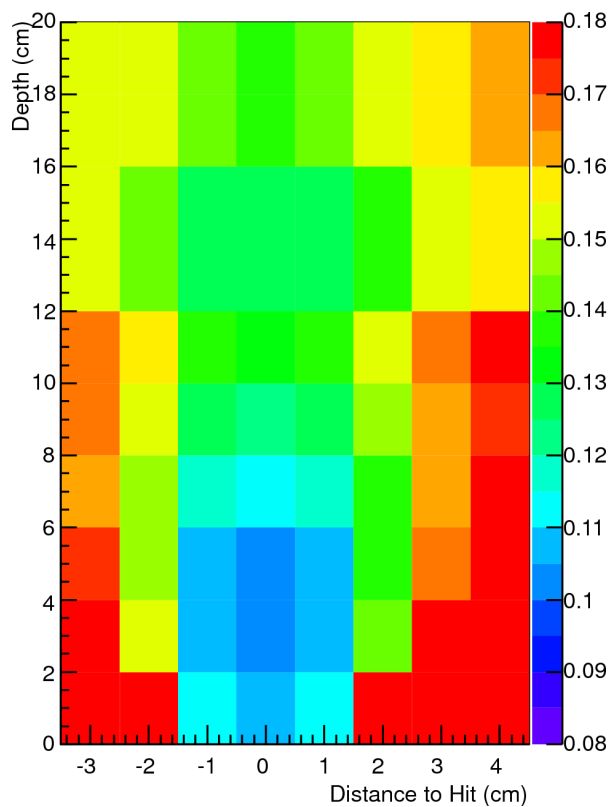
January 22, 2013

1. Update from the previous report (see Calorimetry meeting on September 25, 2012 for details)
2. High sensitivity on thresholds (272 keV on Etot, and 30 keV on Efibers for every readout cell)
3. Stat-Term coefficient is fixed for whole module as “const/sqrt(10.*SamplFract)”
4. Poisson distribution (though it should be Binomial one). Cut on the tail.
5. Split of the statistics (see next slide)

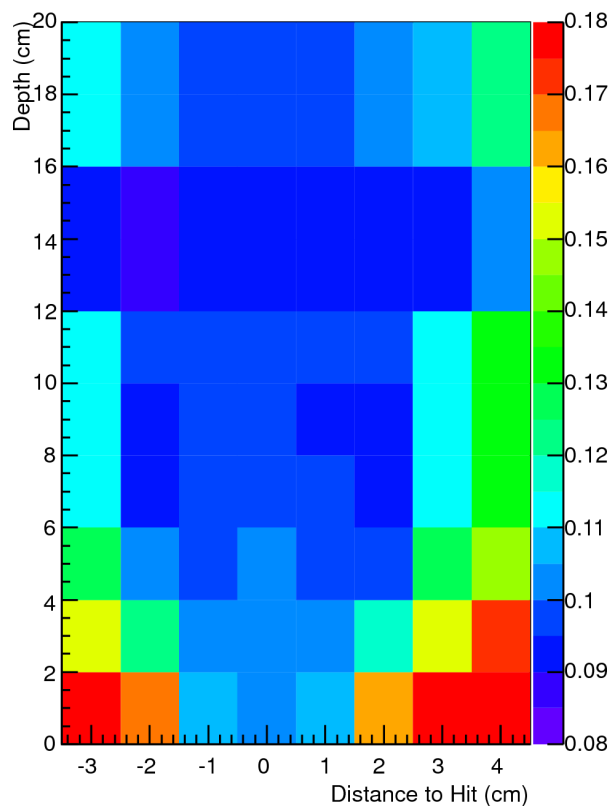




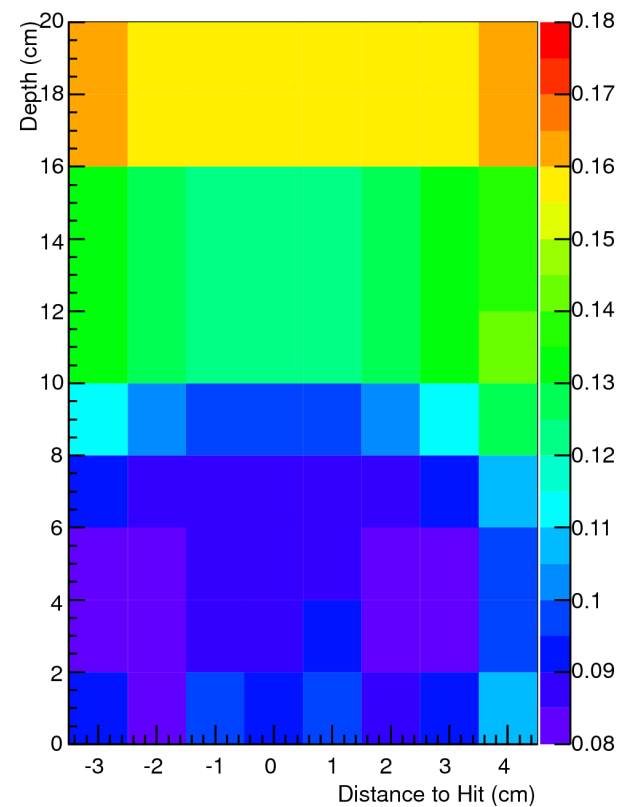
Sampl Fraction: E100 T80



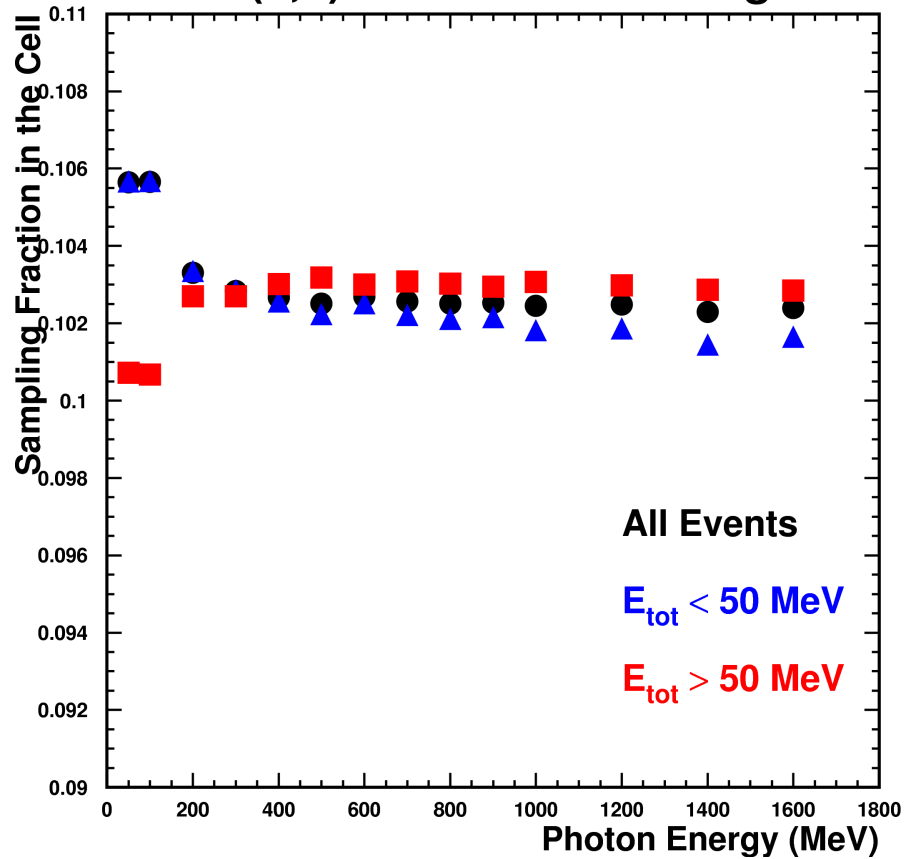
Sampl Fraction: E800 T80



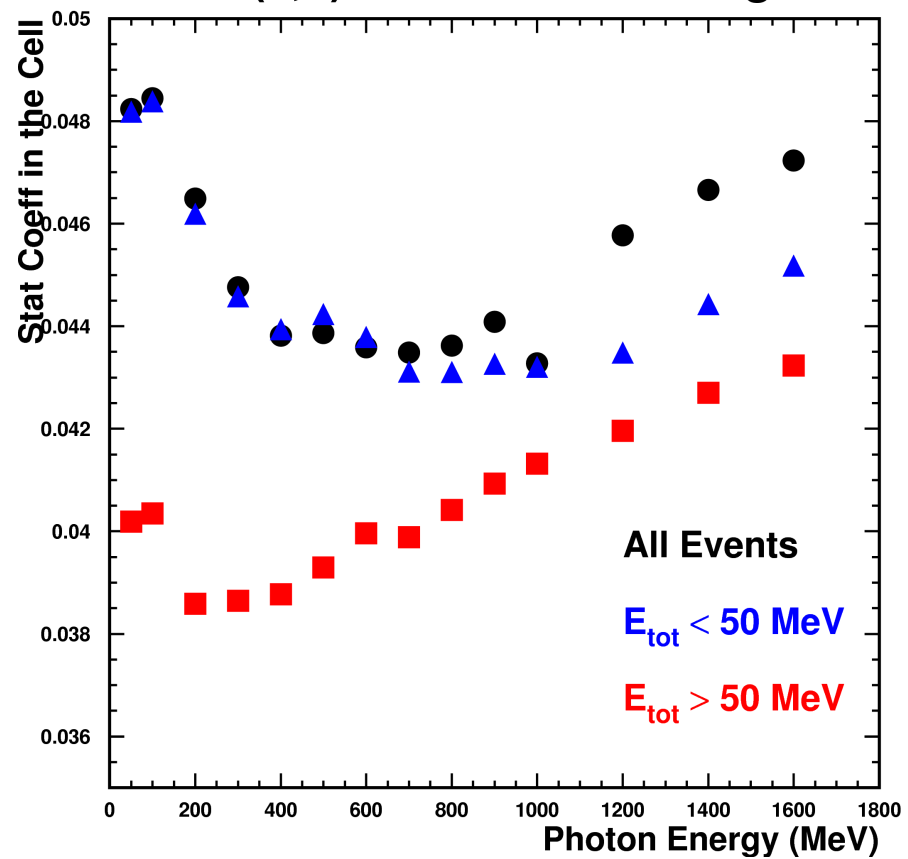
Sampl Fraction: E1200 T20

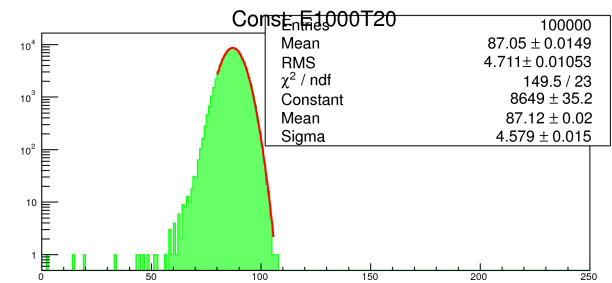
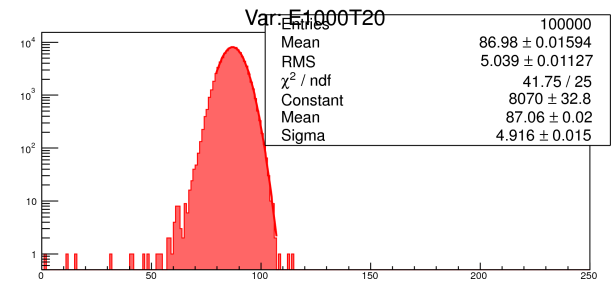
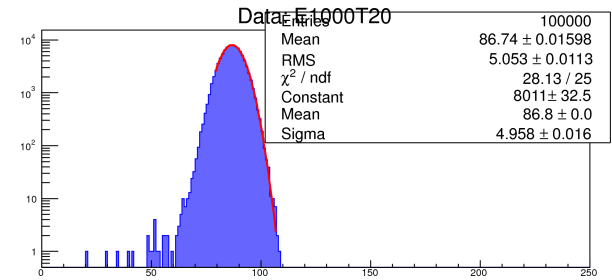
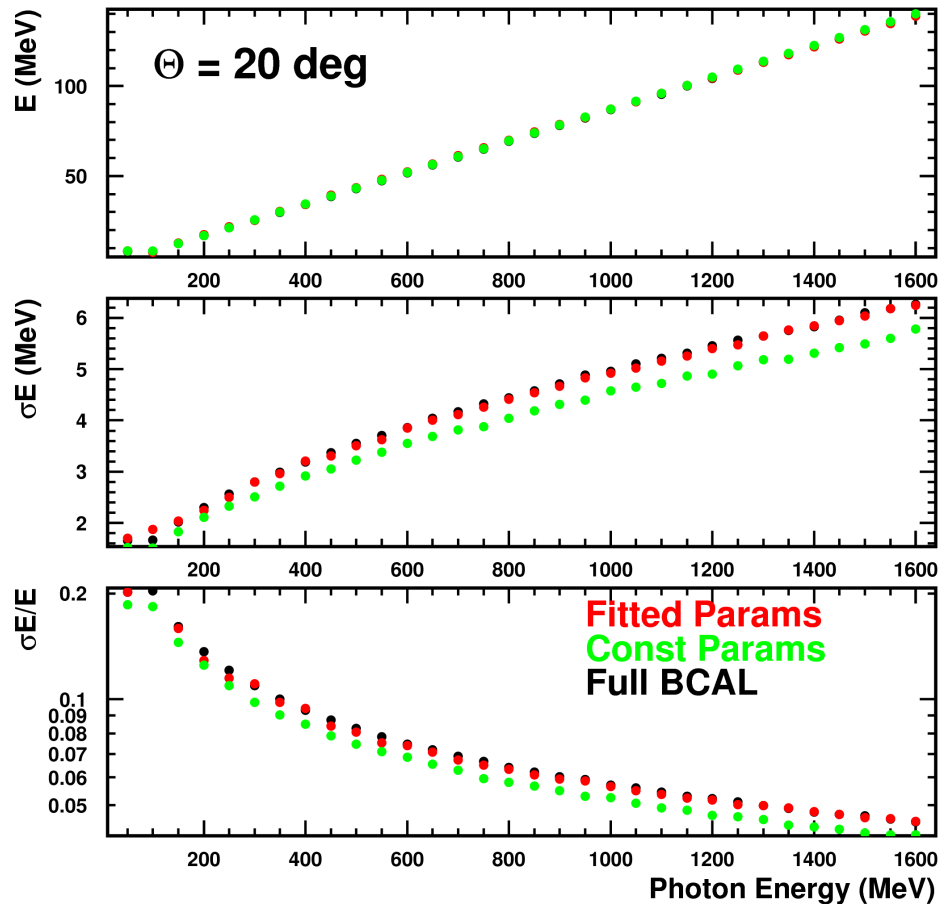


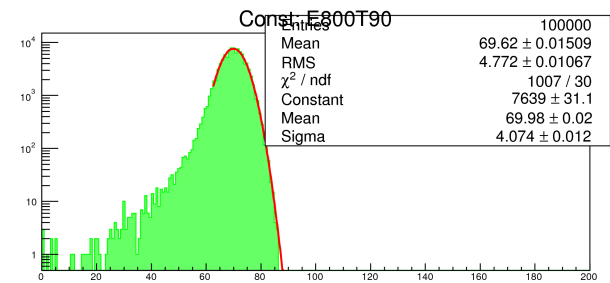
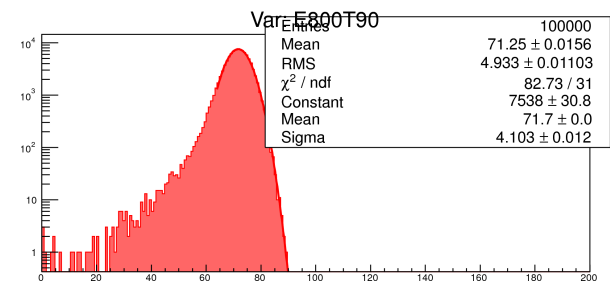
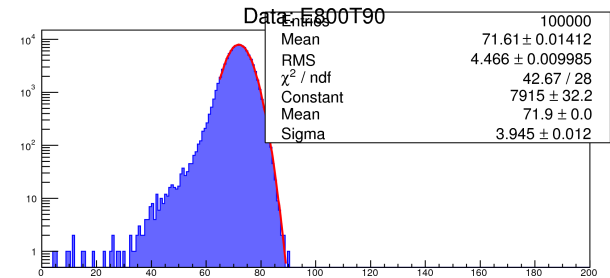
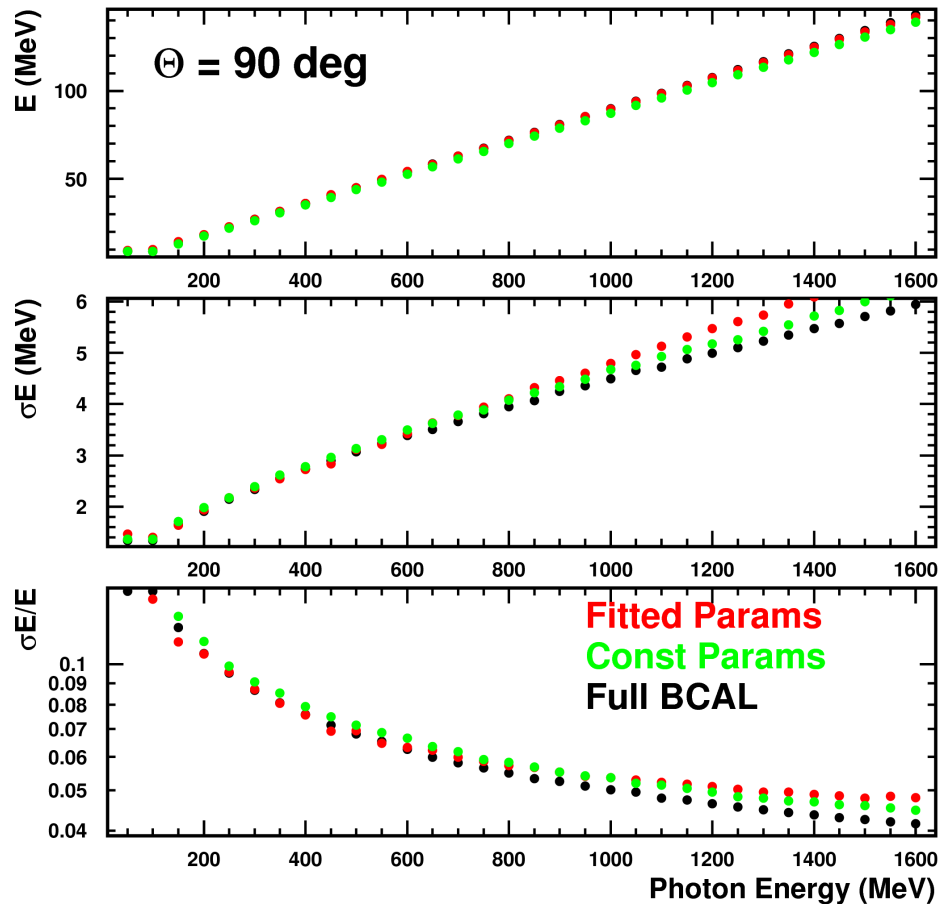
Cell (2,1): Photons at 90 deg



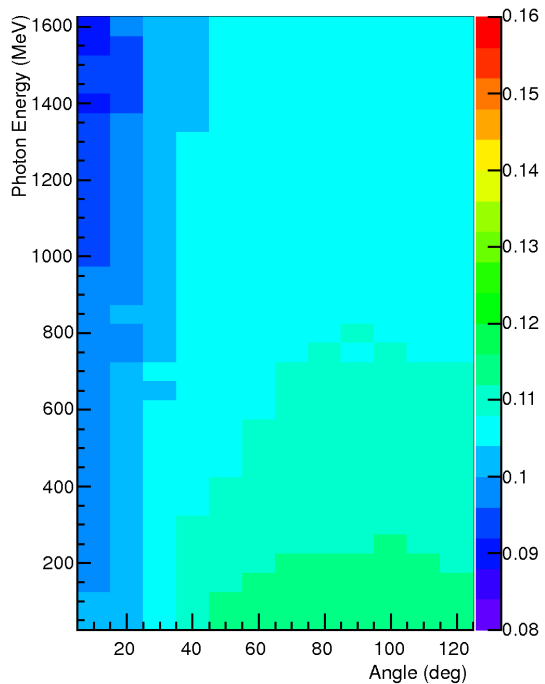
Cell (2,1): Photons at 90 deg



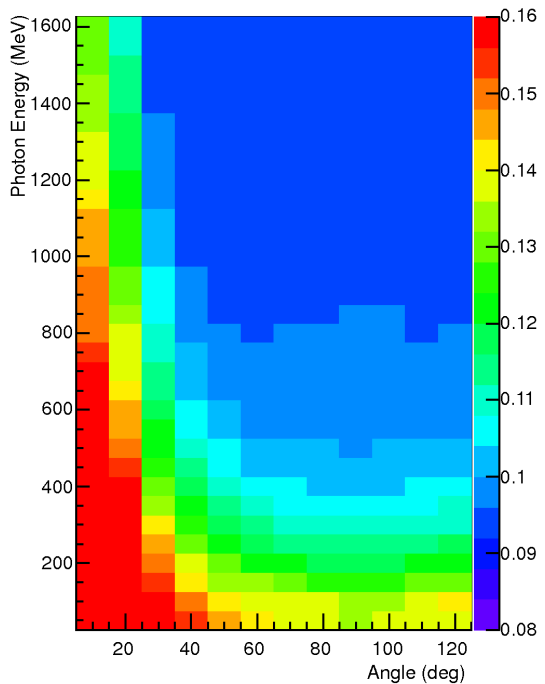




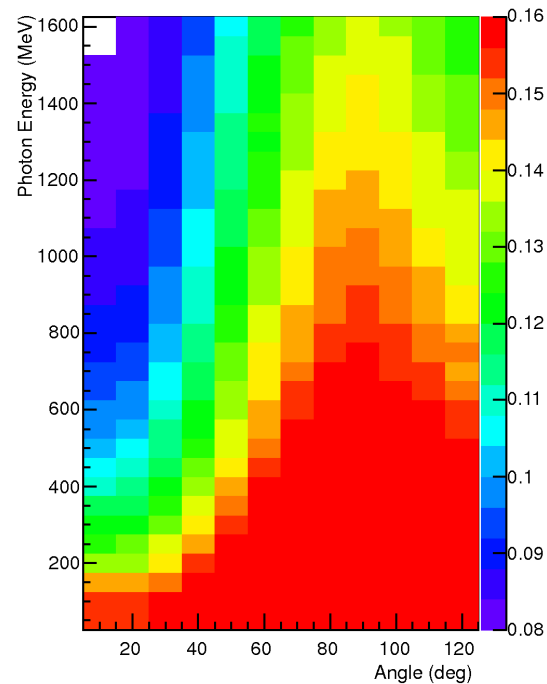
Sampl Frac: Col=2 Row=1 E<50MeV



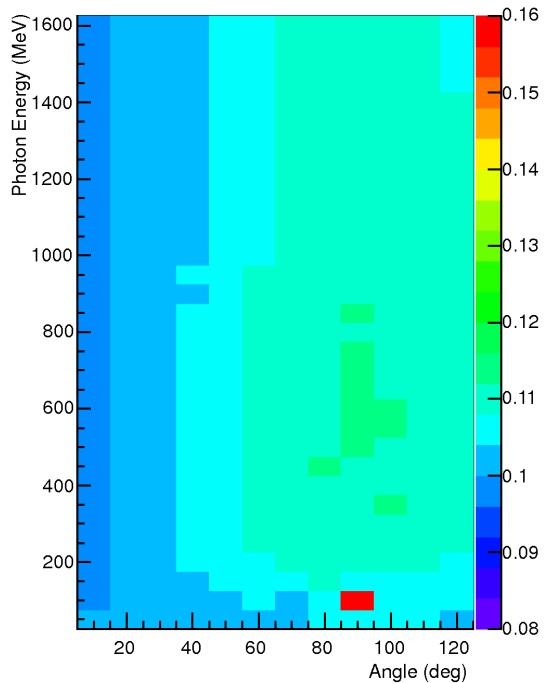
Sampl Frac: Col=2 Row=6 E<50MeV



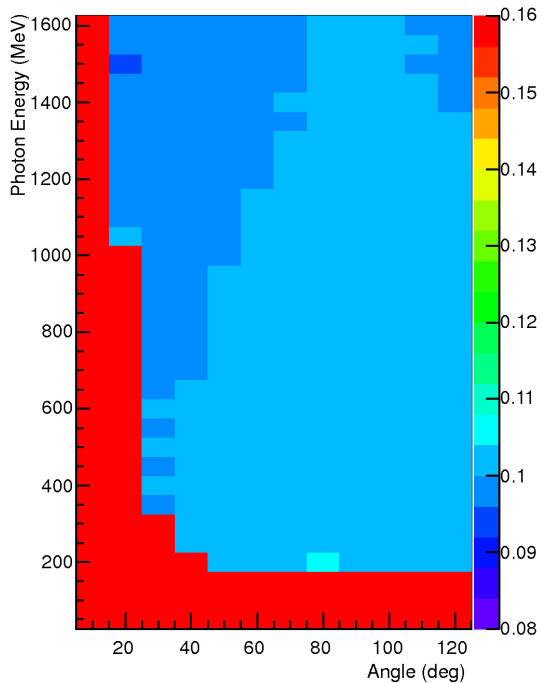
Sampl Frac: Col=1 Row=2 E<50MeV



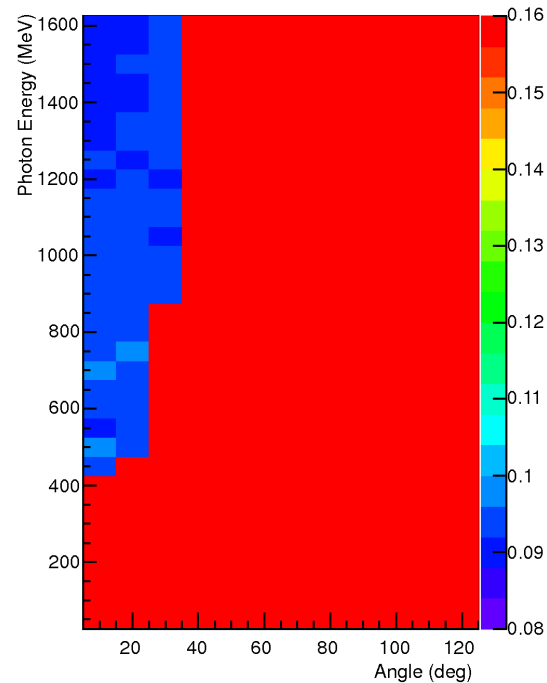
Sampl Frac: Col=2 Row=1 E>50MeV



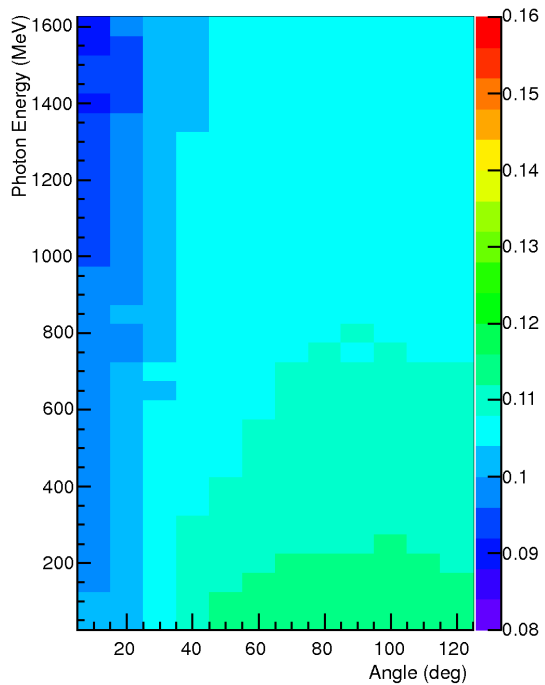
Sampl Frac: Col=2 Row=6 E>50MeV



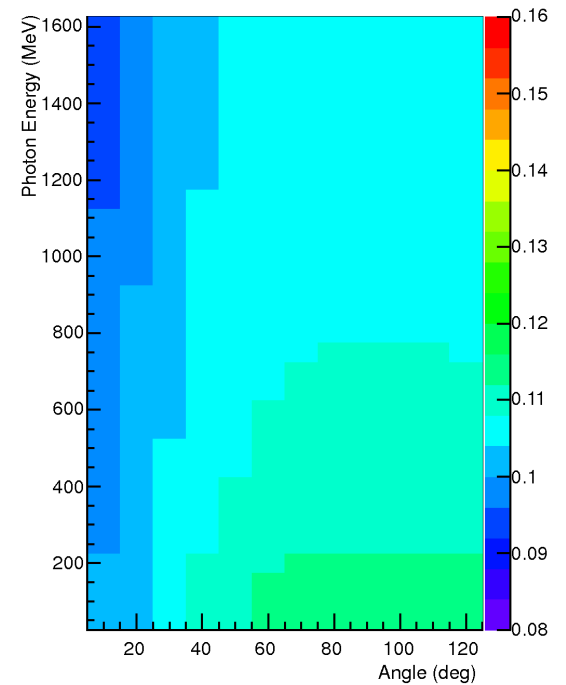
Sampl Frac: Col=1 Row=2 E>50MeV



Sampl Frac: Col=2 Row=1 E<50MeV



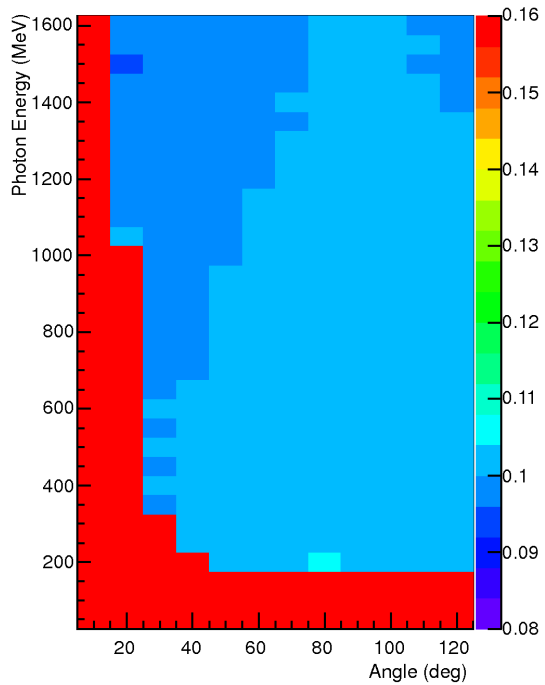
Sampl Frac: Col=2 Row=1 E<50MeV



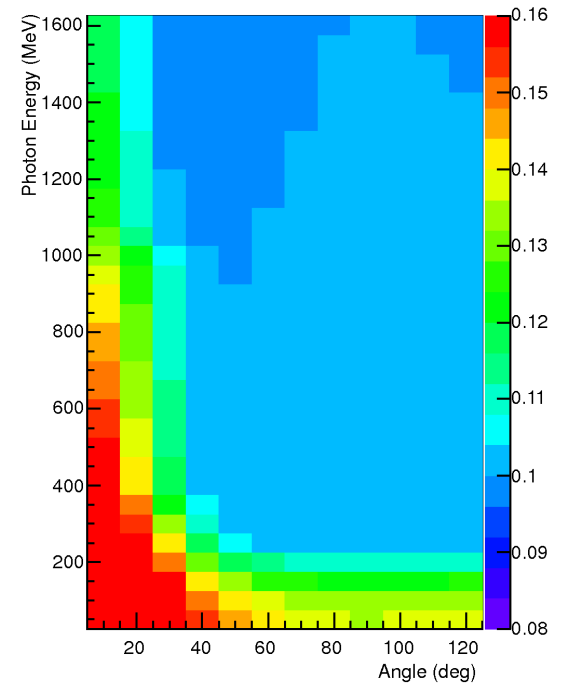
Smooth



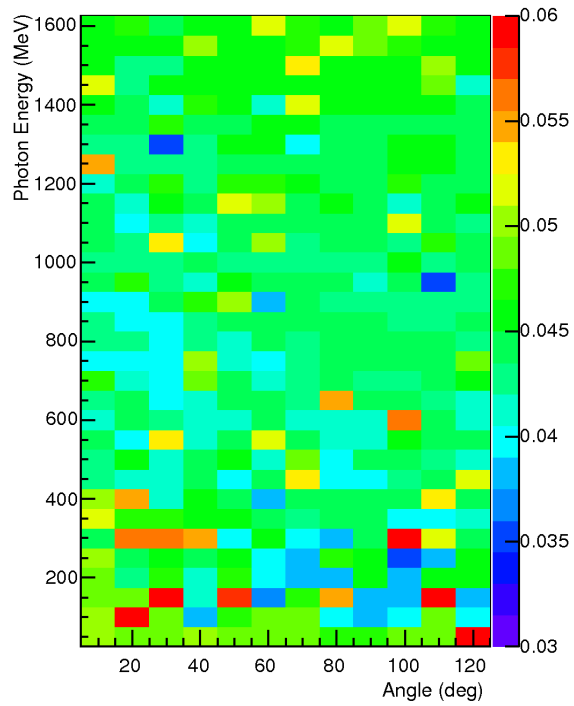
Sampl Frac: Col=2 Row=6 E>50MeV



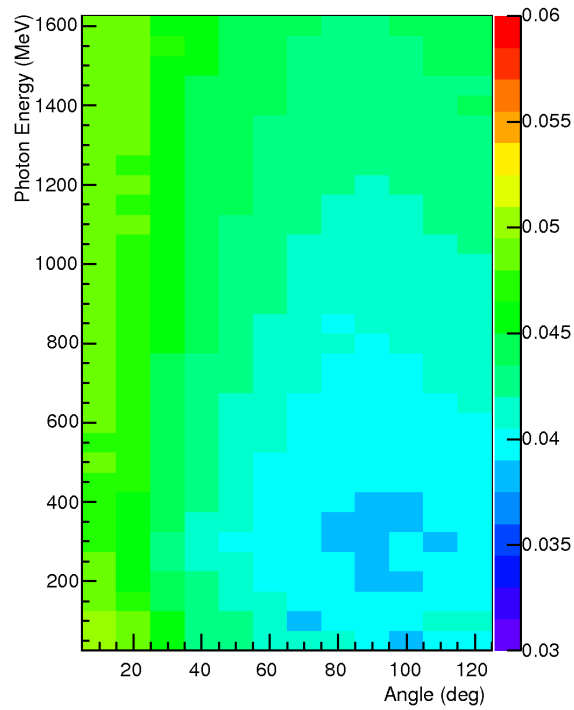
Sampl Frac: Col=2 Row=6 E>50MeV



Stat Trm: Col=2 Row=1 E<50MeV



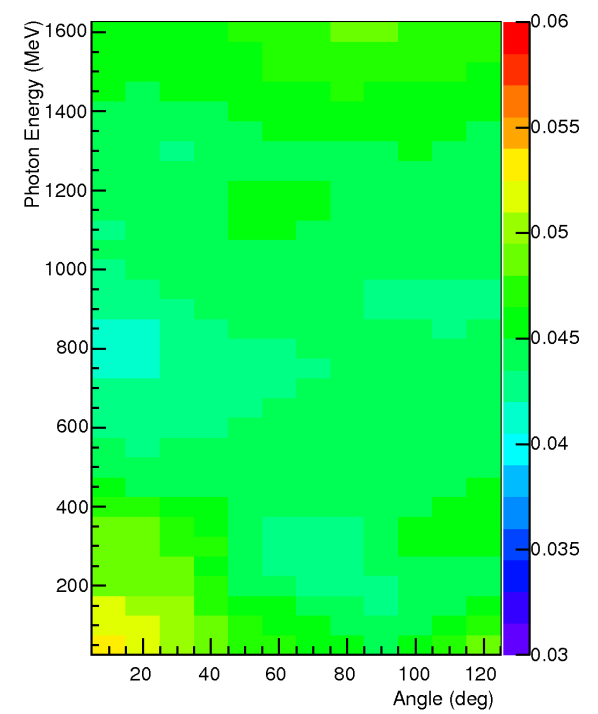
Stat Trm: Col=2 Row=1 E>50MeV



Smooth



Stat Trm: Col=2 Row=1 E<50MeV



Stat Trm: Col=2 Row=1 E>50MeV

