

EMC BACKGROUND WITH DIFFERENT FINAL FOCUS LENGTHS



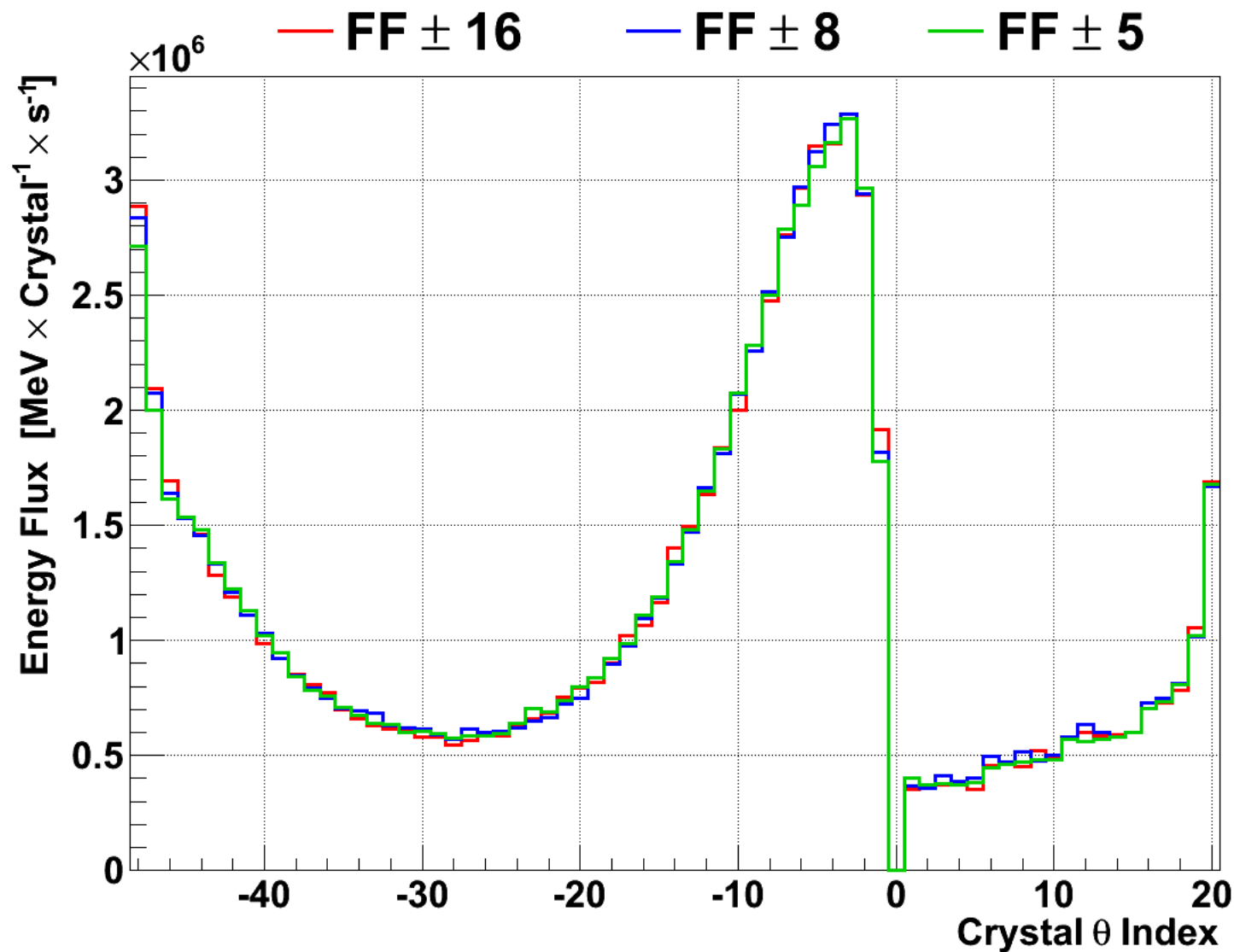
Background EVO Meeting
4/11/2011

S. Germani
INFN Perugia

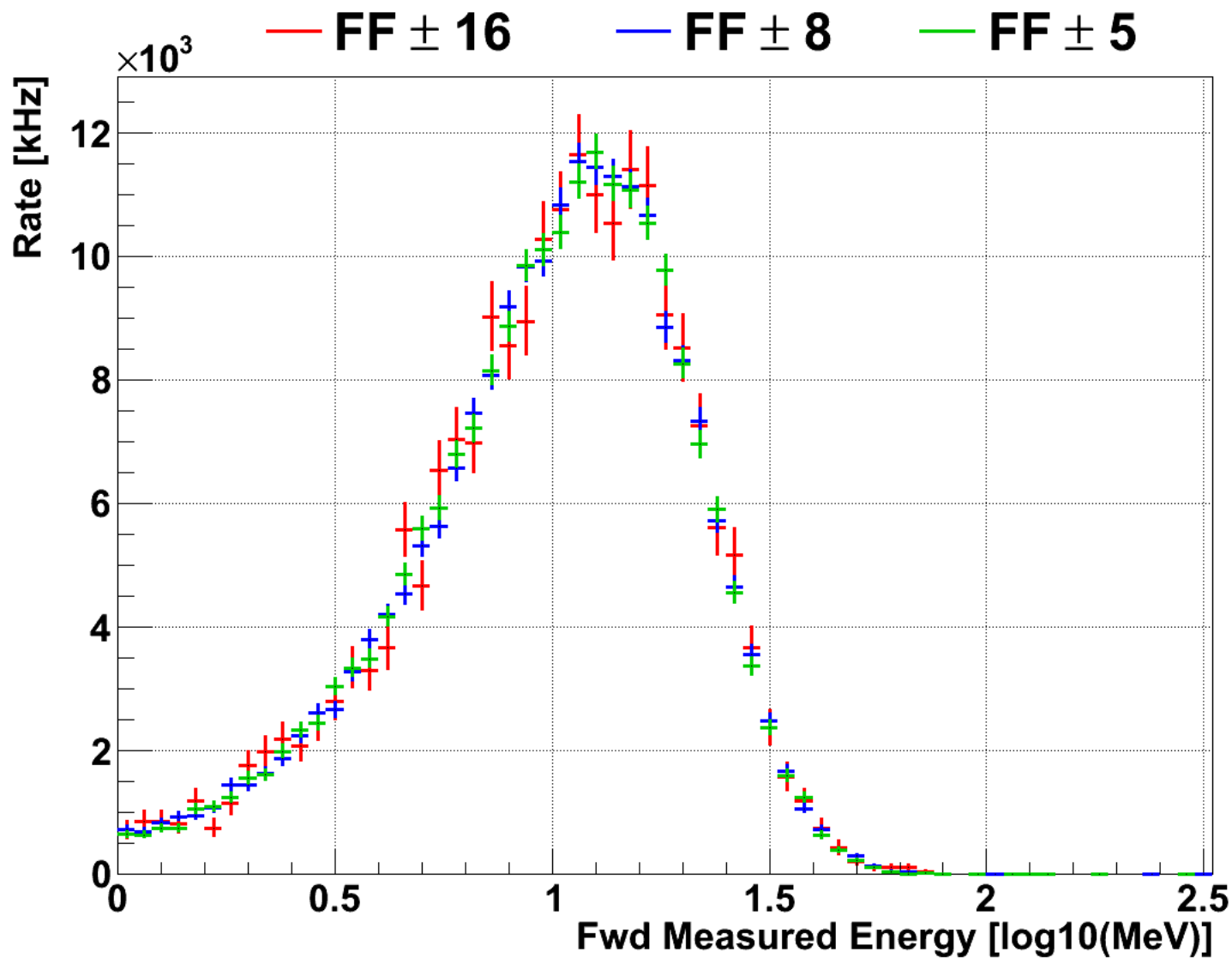
OUTLINE

- Compare Energy Spectra and Rates for
 - Default Final Focus (± 16 m)
 - Shorter Final Focus (± 8 m)
 - Shorter Final Focus (± 5 m)

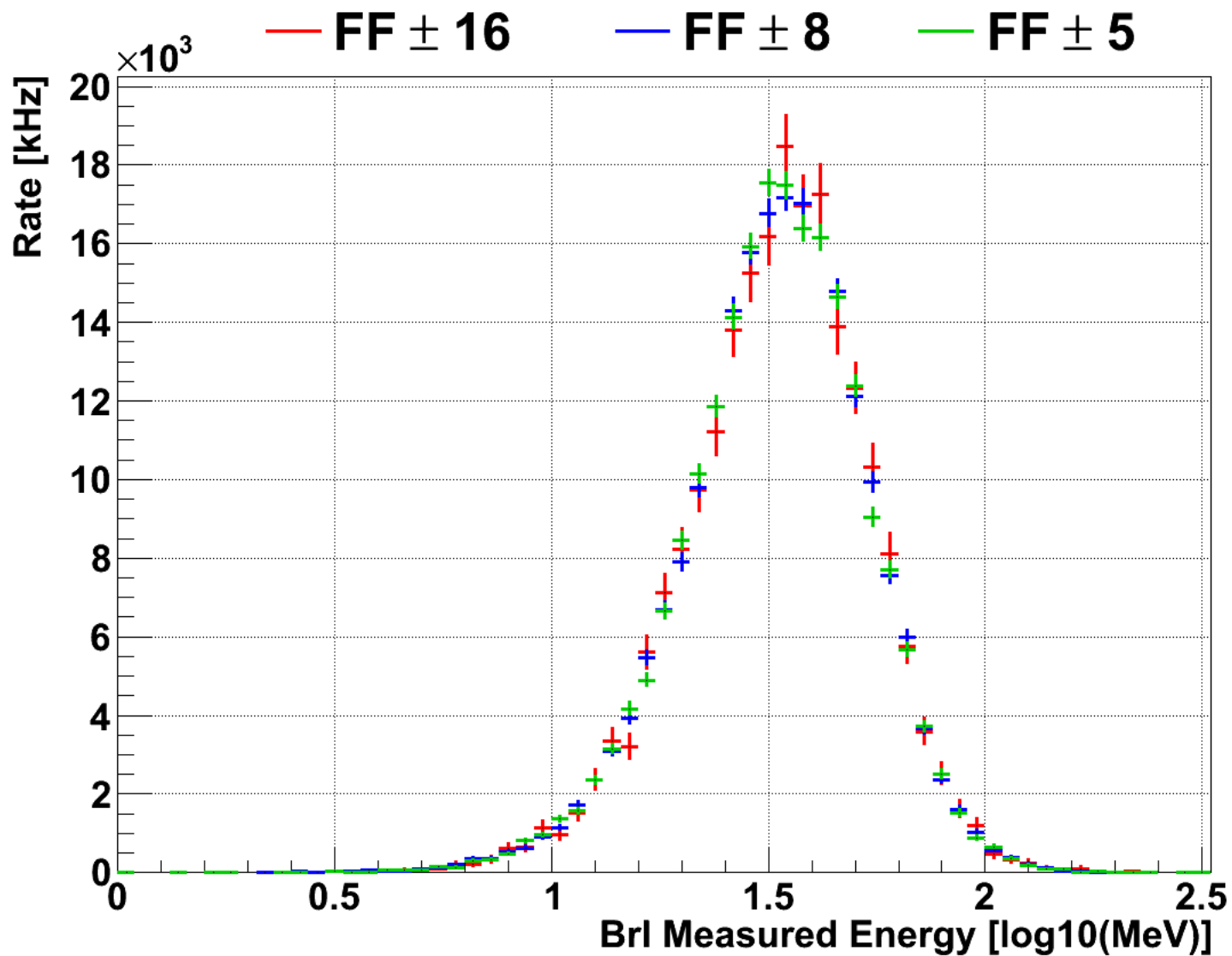
ENERGY FLUX VS THETA



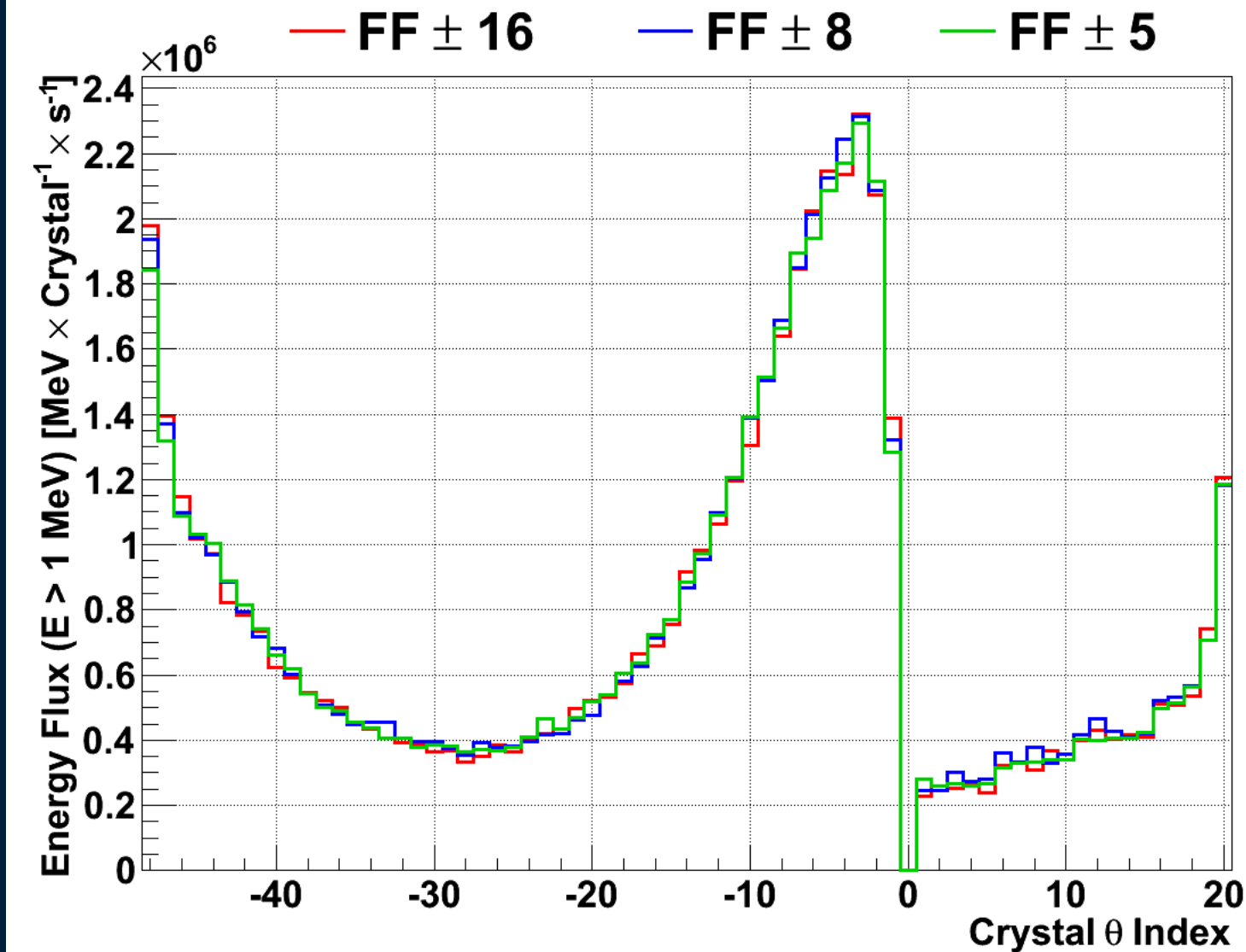
FWD ENERGY



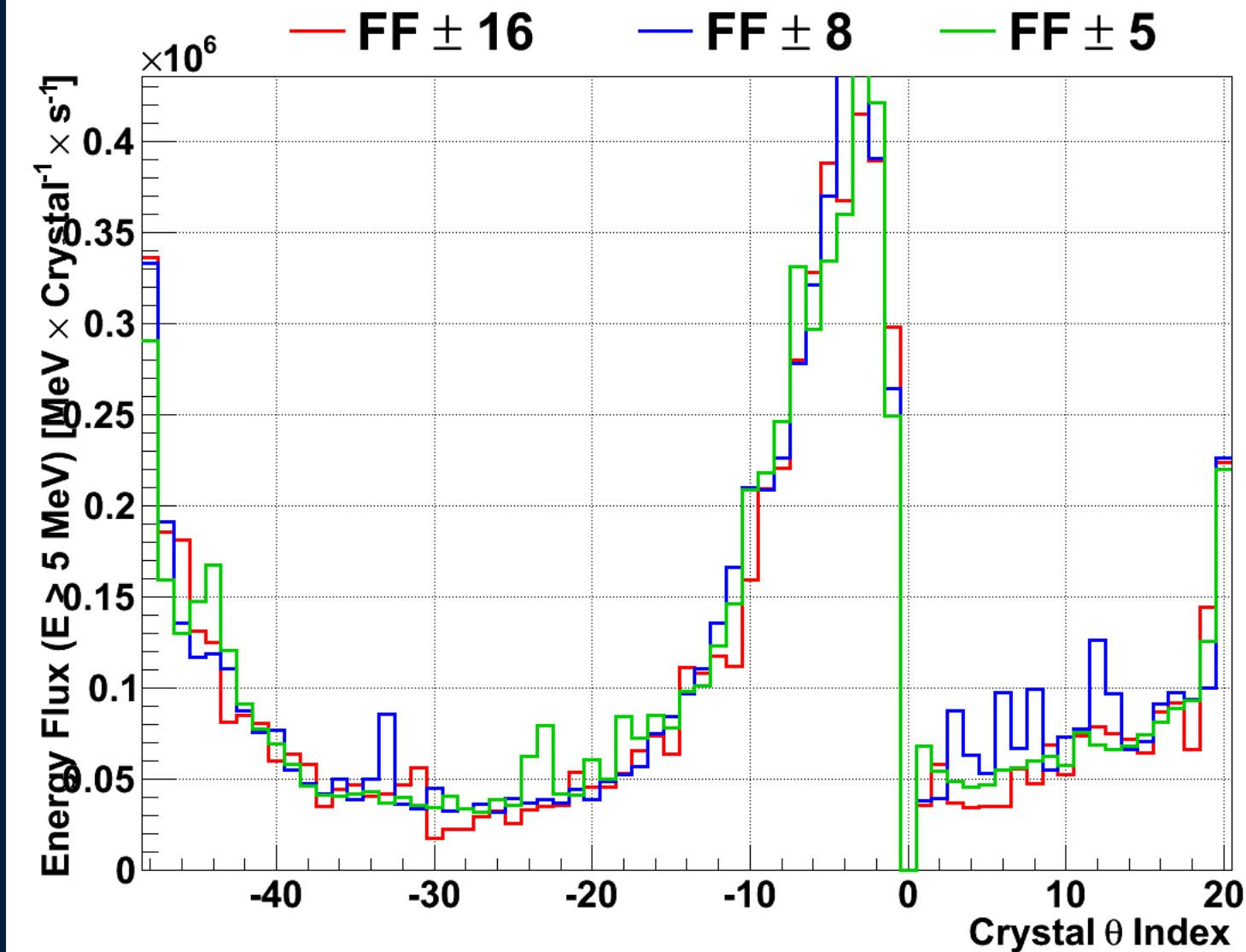
BARREL ENERGY



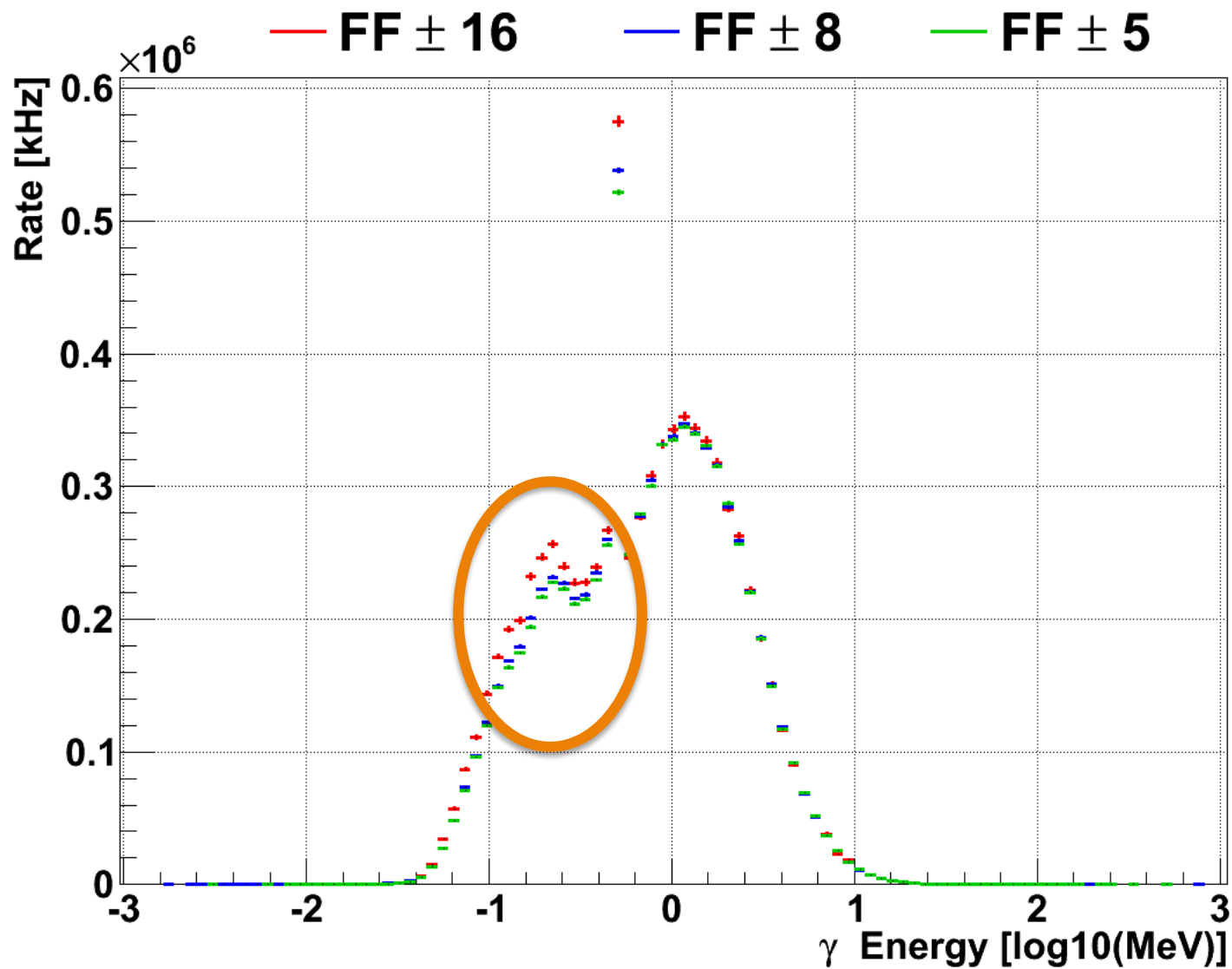
ENERGY FLUX VS THETA – $E > 1$ MeV



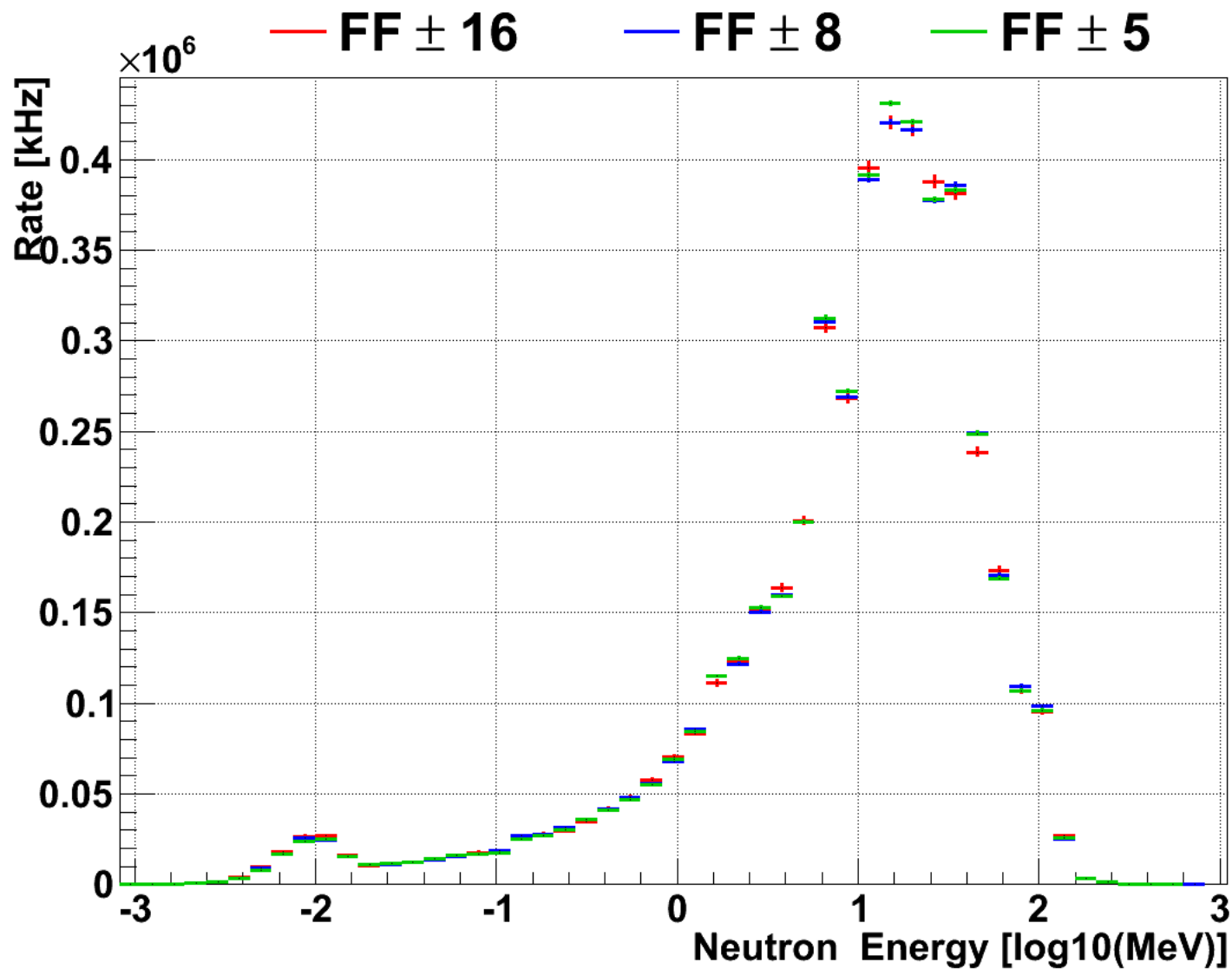
ENERGY FLUX VS THETA – $E > 5$ MeV



FOTON ENERGY FLUX



NEUTRON ENERGY FLUX



CONCLUSIONS

- No significant change in EMC energy deposit
- Small change in very low energy ($E < 1$ MeV) photons flux for both shorter FF
- All 3 FF lengths give similar results for the EMC