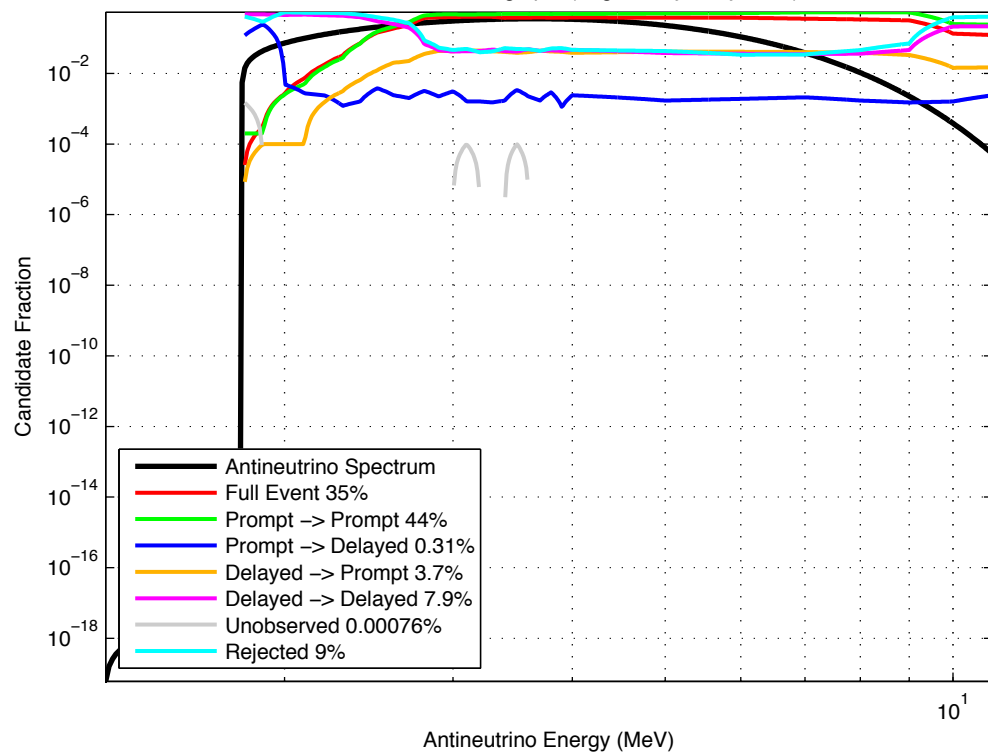
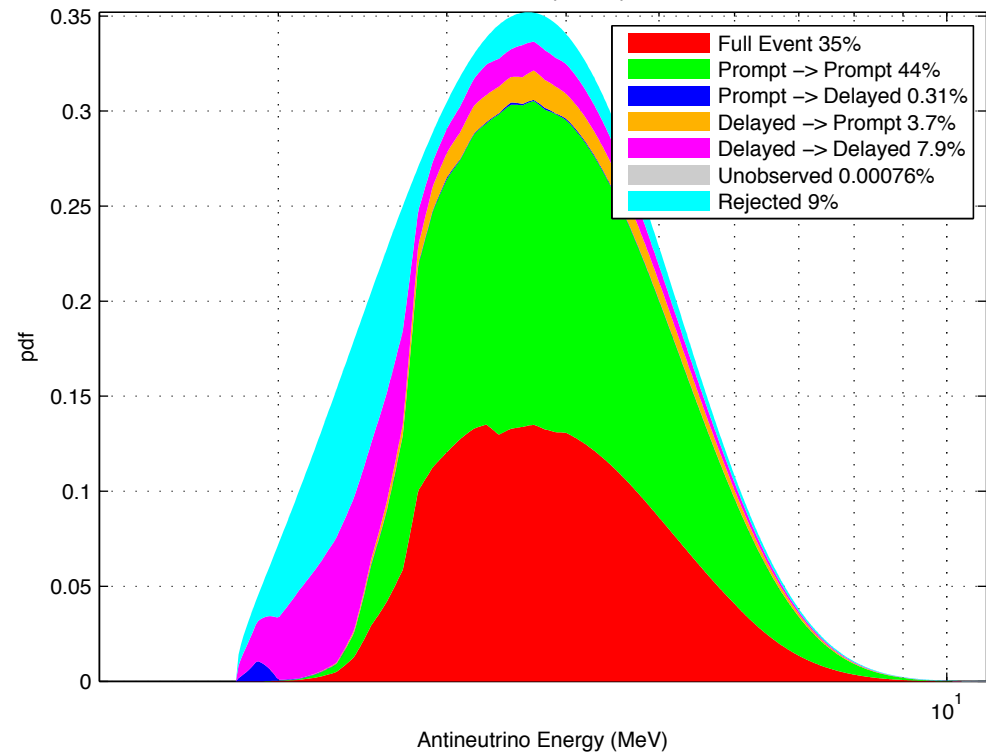


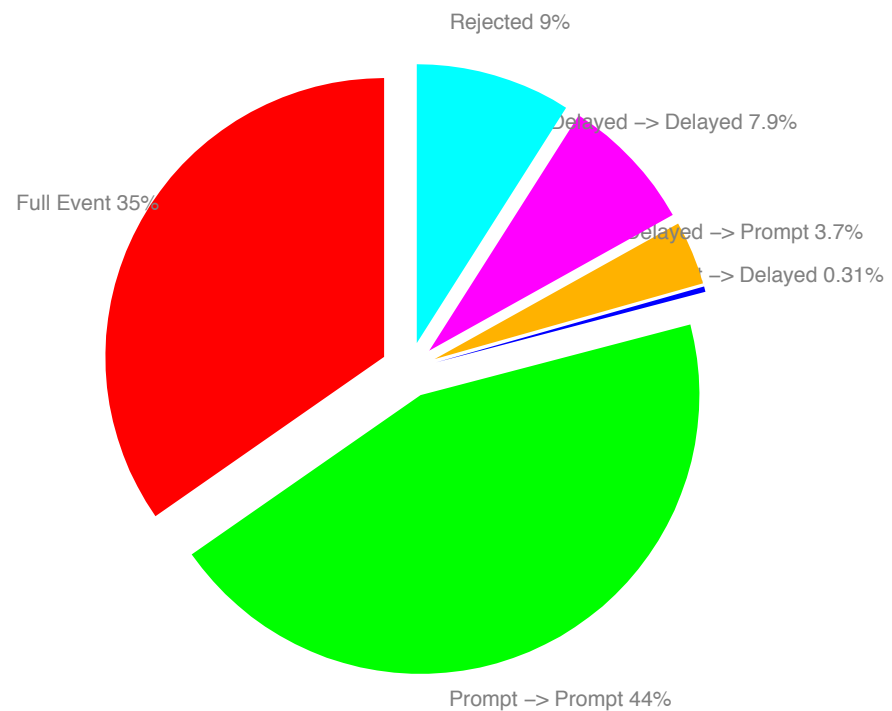
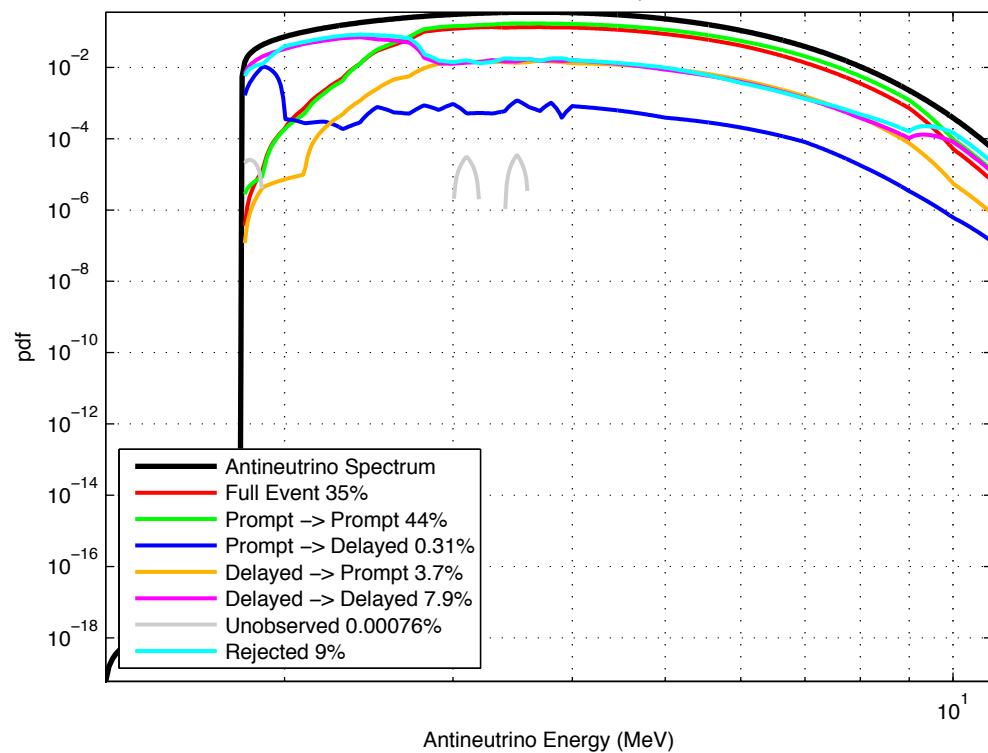
Antineutrinos: 5m range pdf (Fogli + Daya Bay 2012)

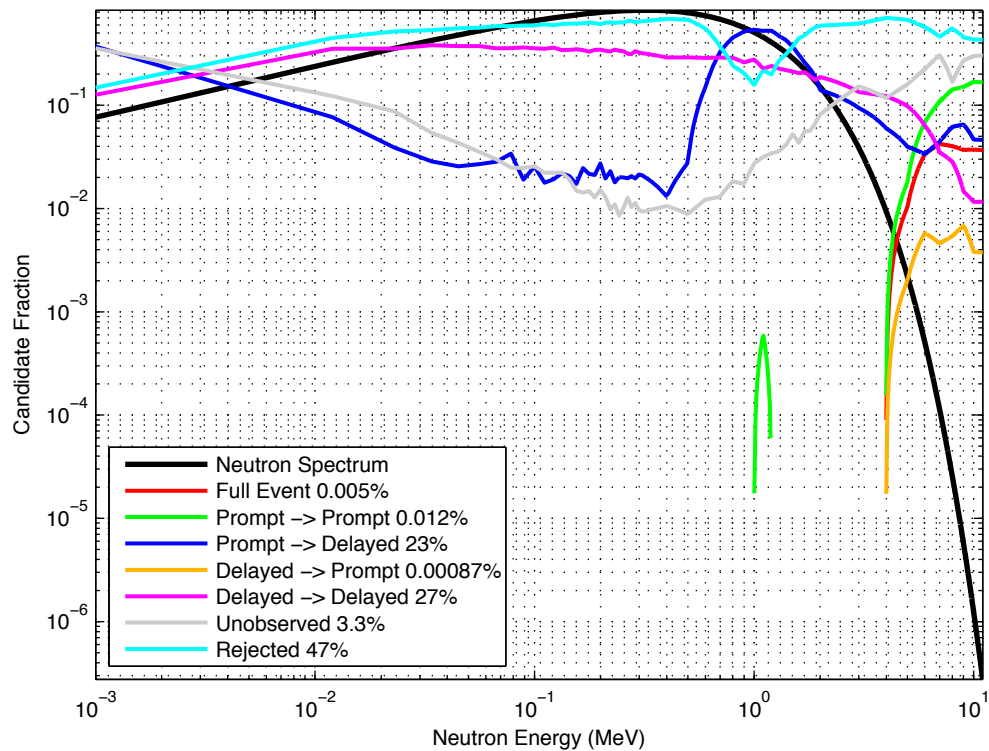


Antineutrino Complete Spectrum

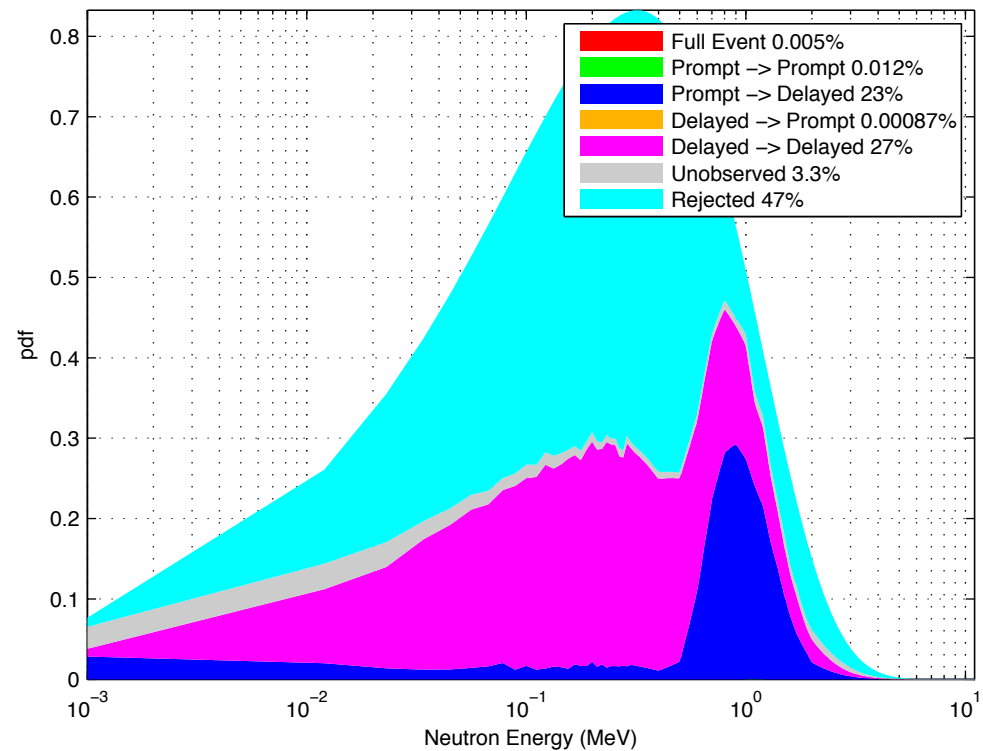


Antineutrino Candidate Spectra

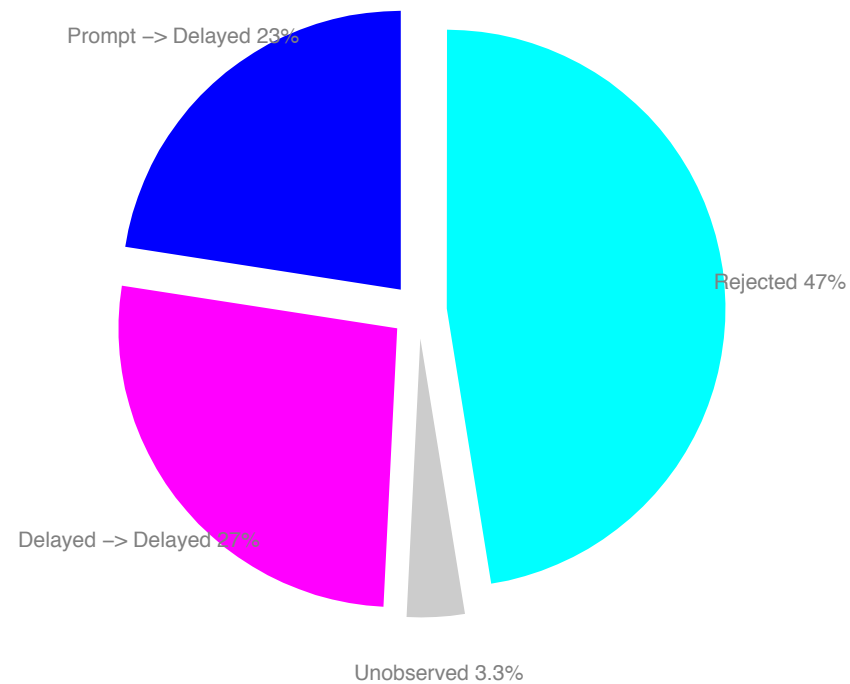
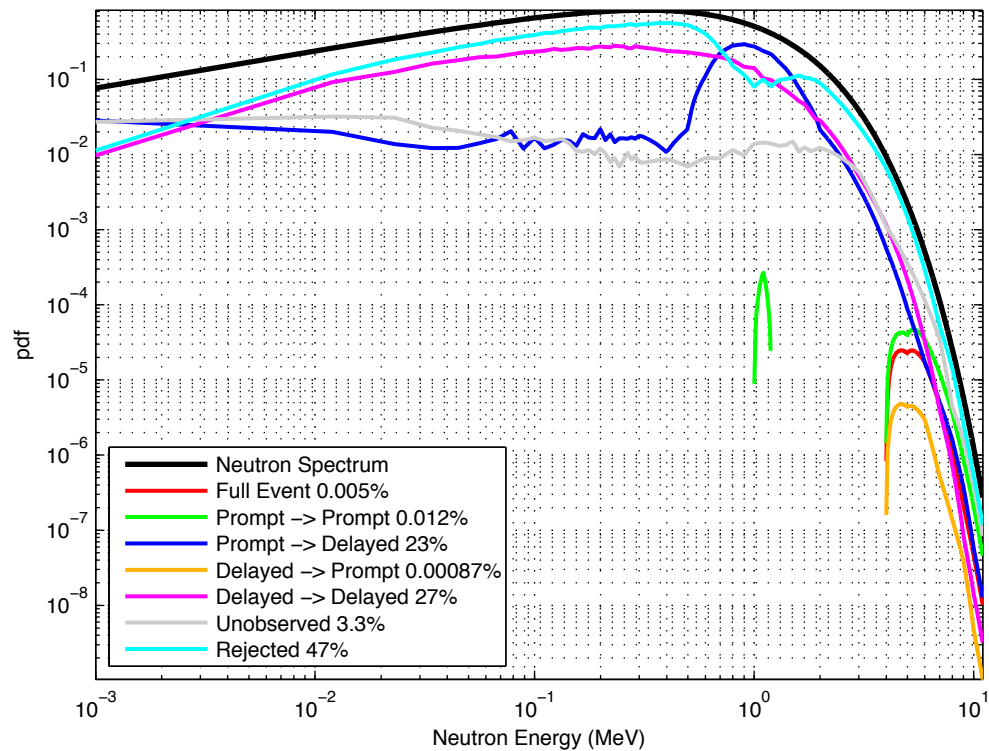


Reactor Neutrons: gamma pdf,  $k=1.5$ ,  $\theta=0.64$  ( $92.3\% < 2\text{MeV}$ )

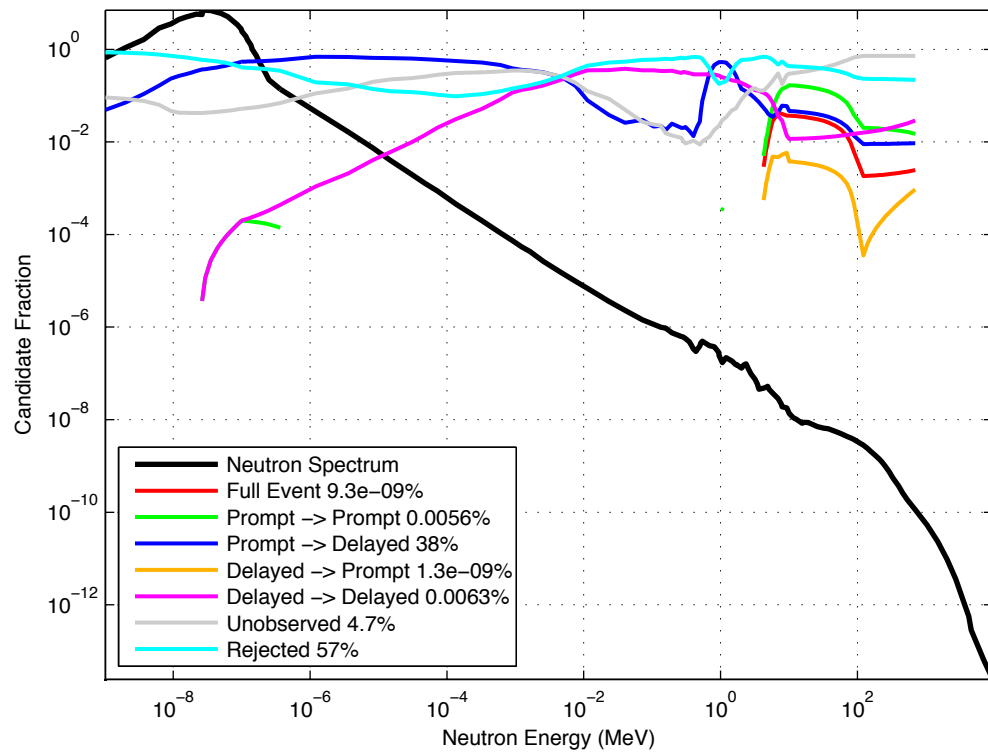
Neutron Complete Spectrum



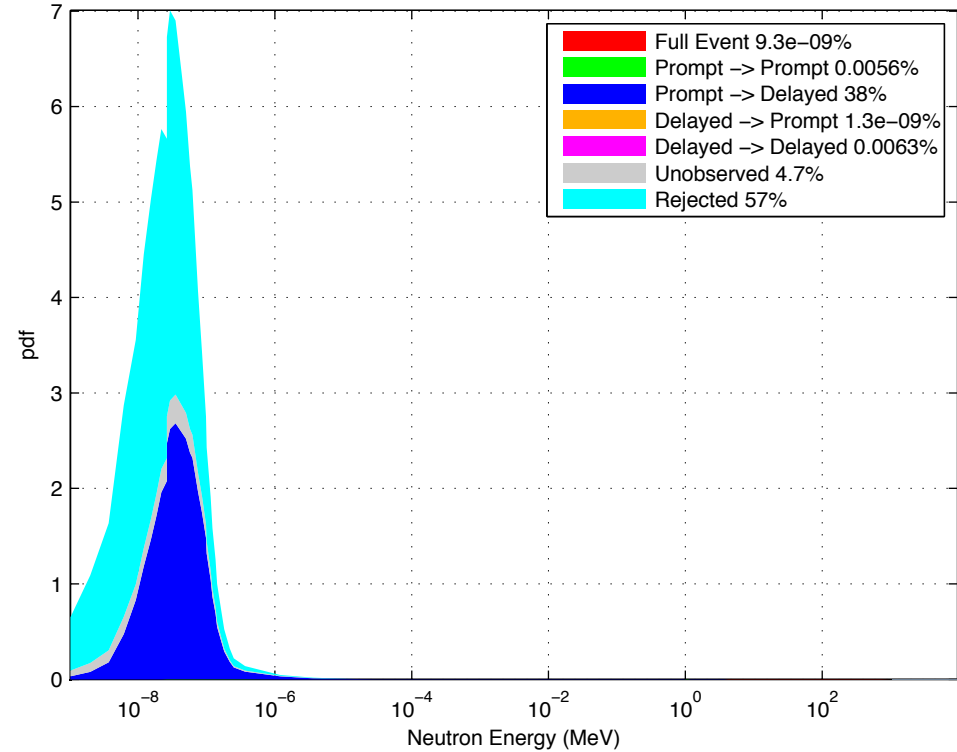
Neutron Candidate Spectra



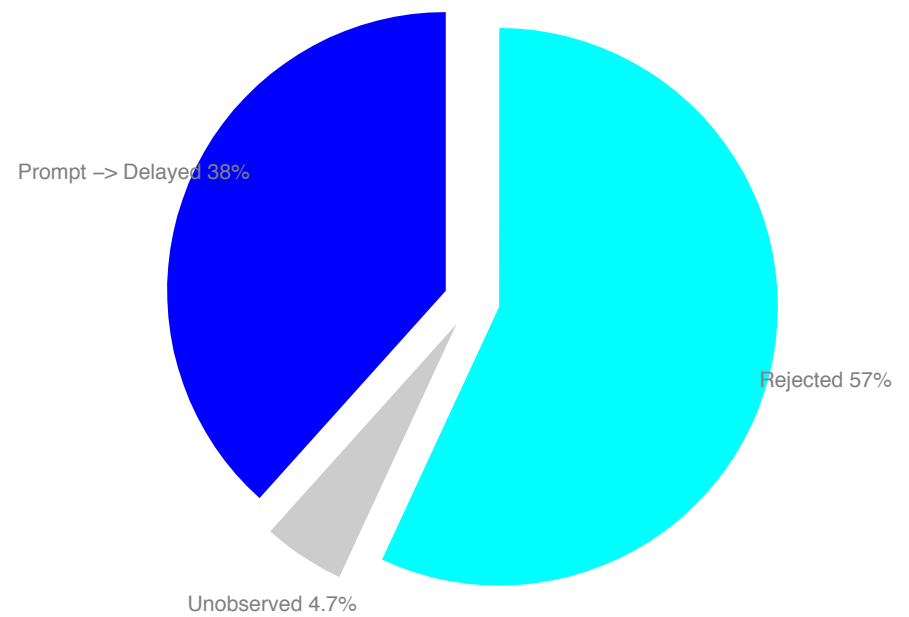
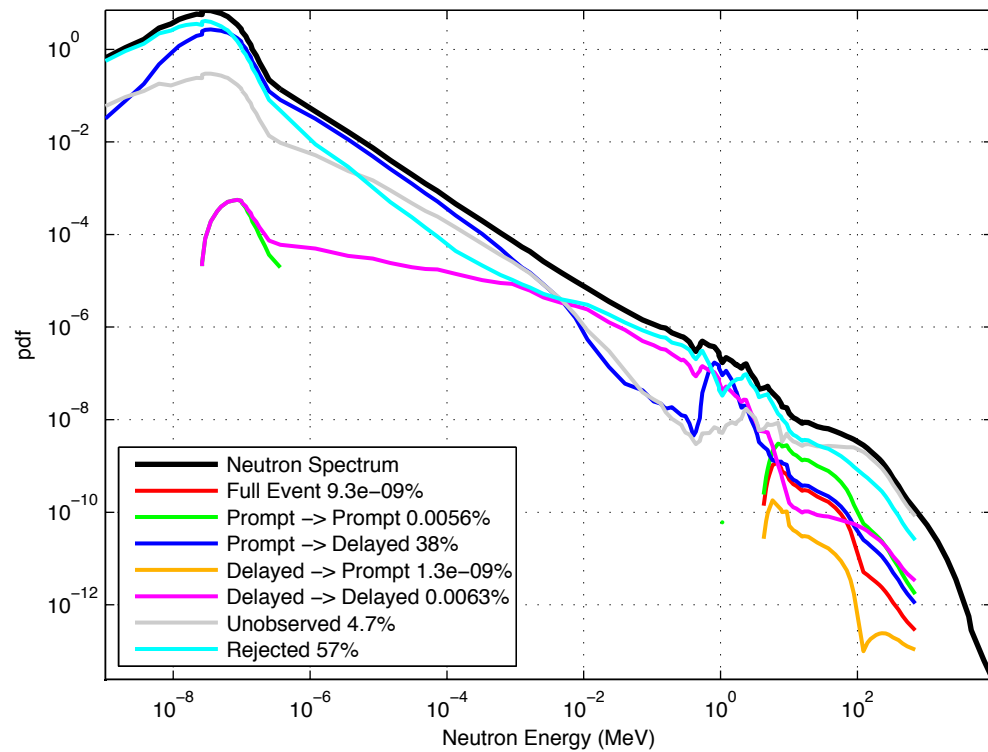
Atmospheric Neutrons: (Goldhagen 2004)



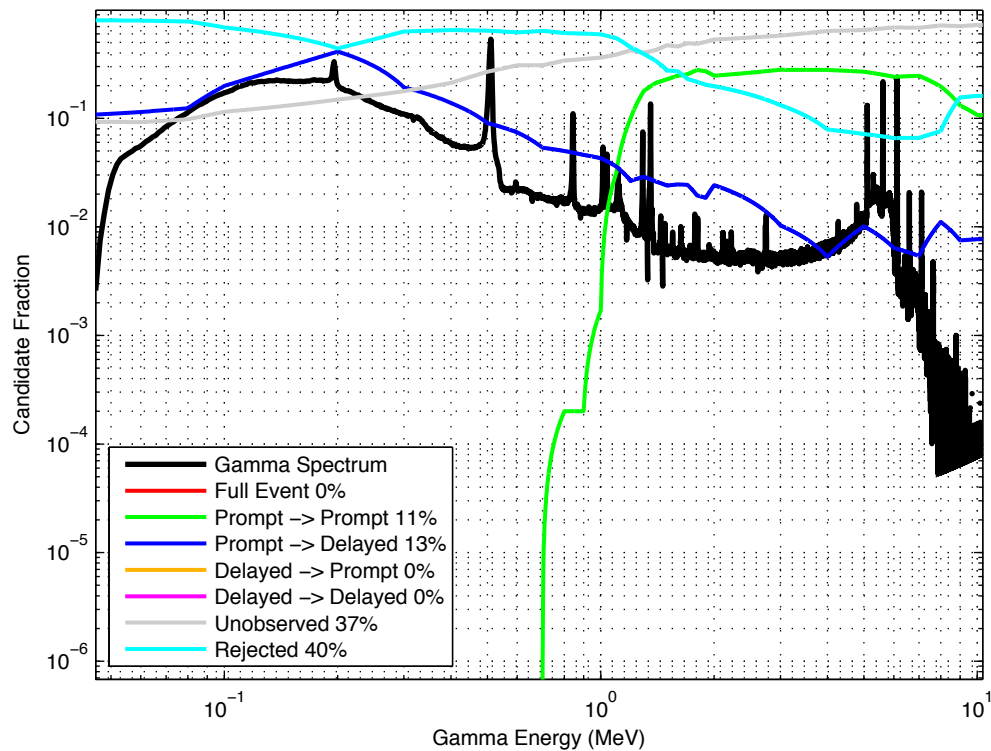
Neutron Complete Spectrum



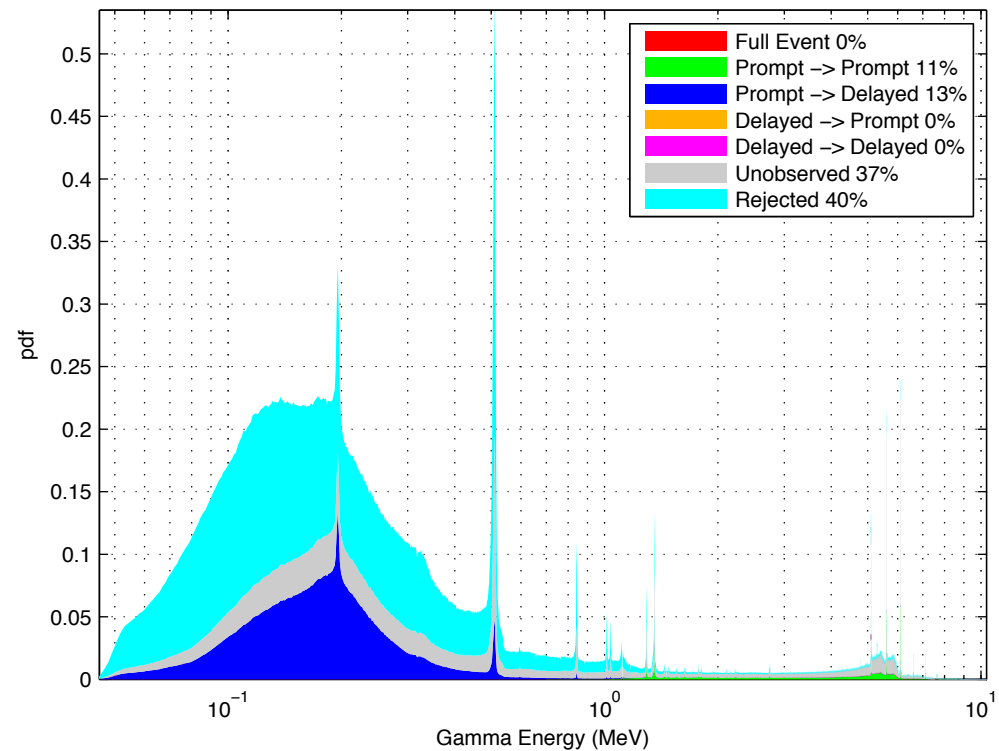
Neutron Candidate Spectra



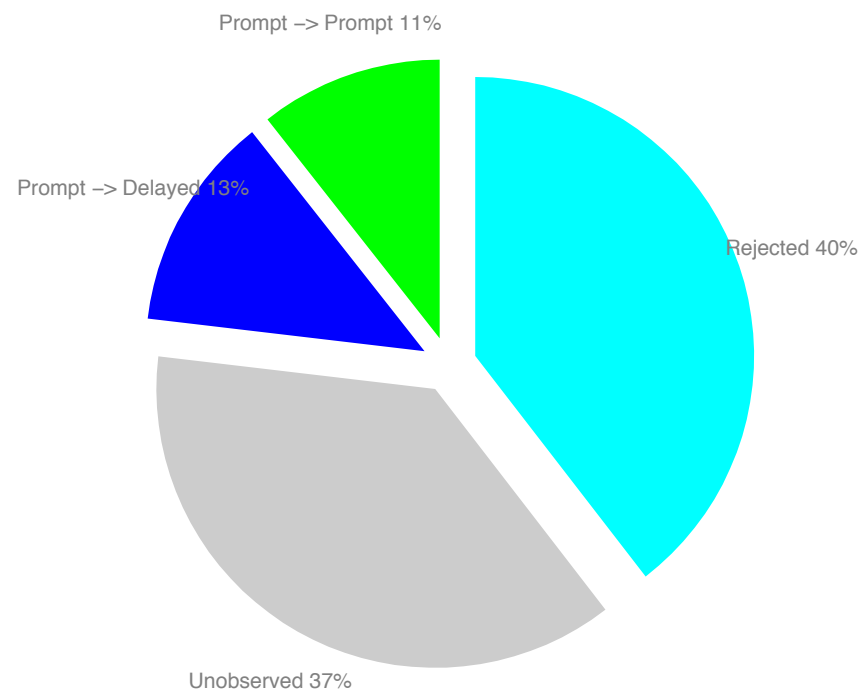
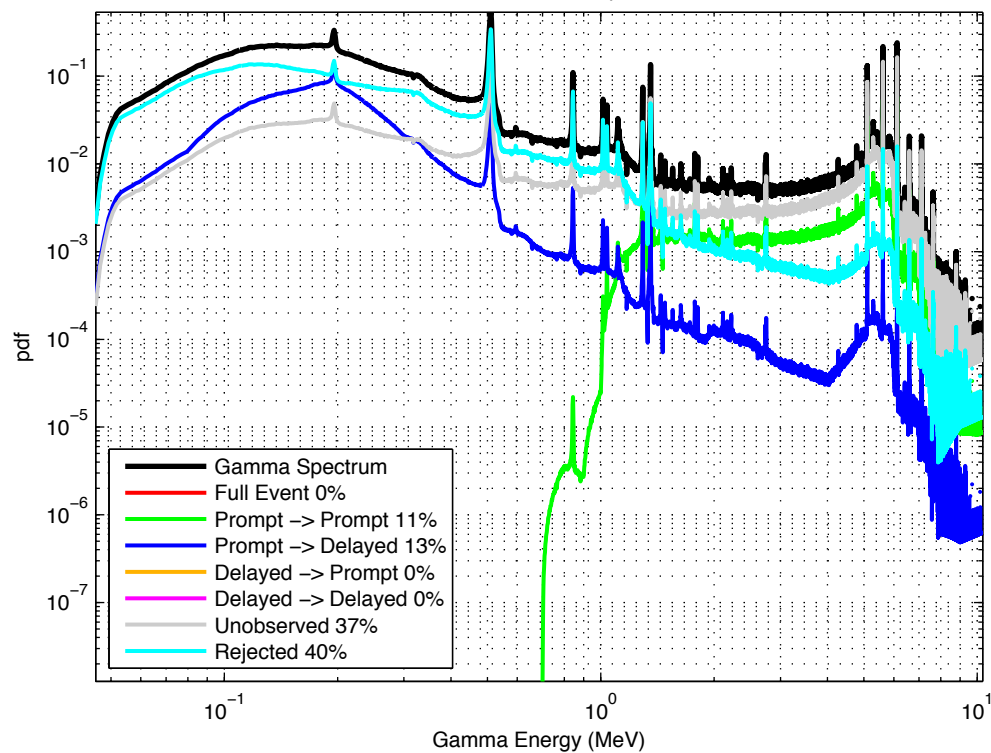
Reactor Gammas: Pieter Mumm measurements, NIST, 20MWth Reactor



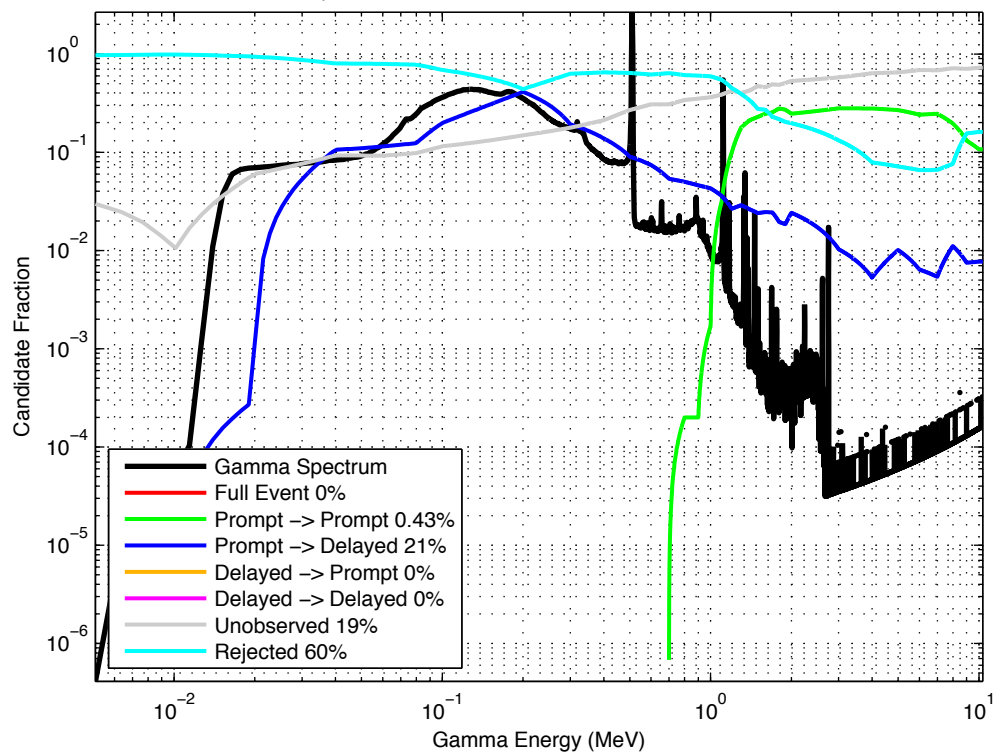
Gamma Complete Spectrum



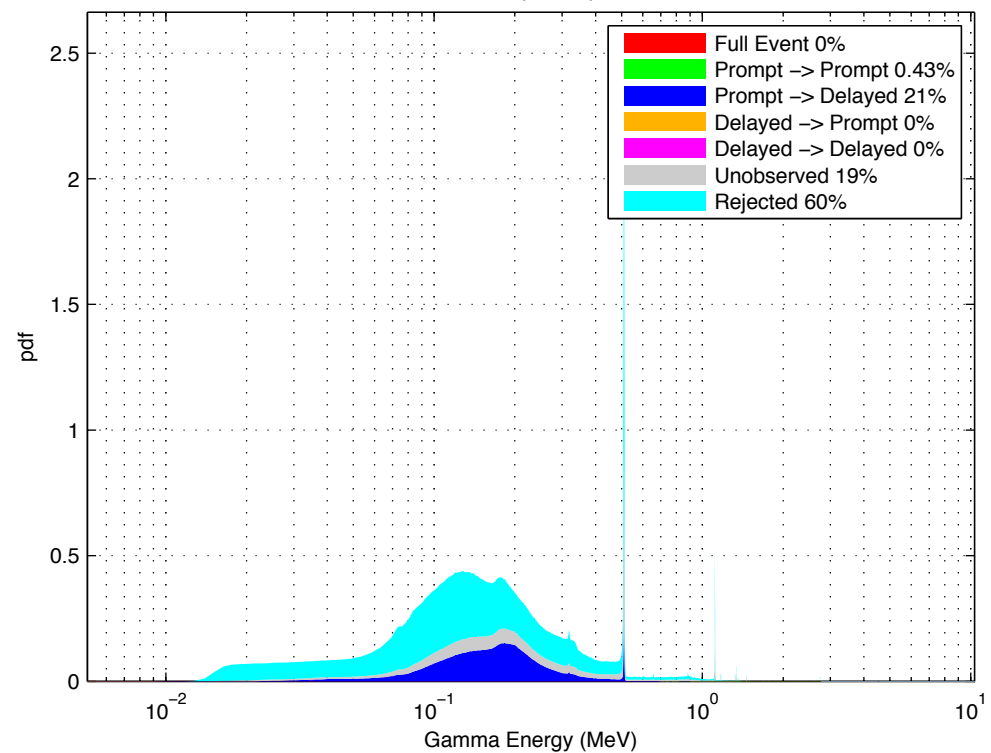
Gamma Candidate Spectra



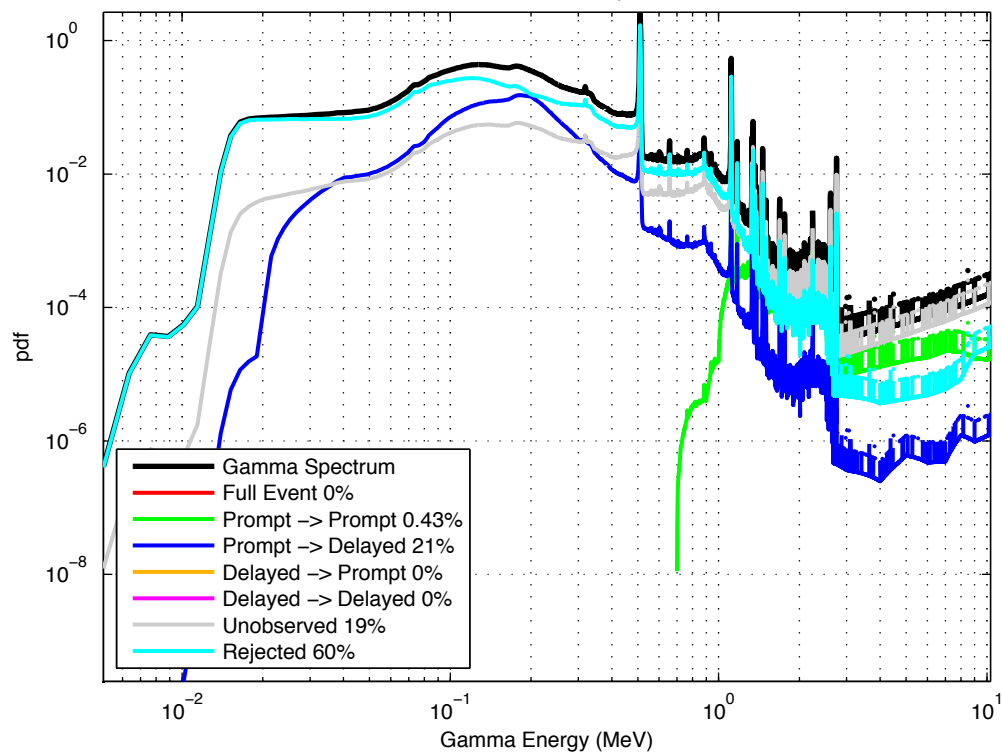
Atmospheric Gammas: Pieter Mumm measurements, NIST



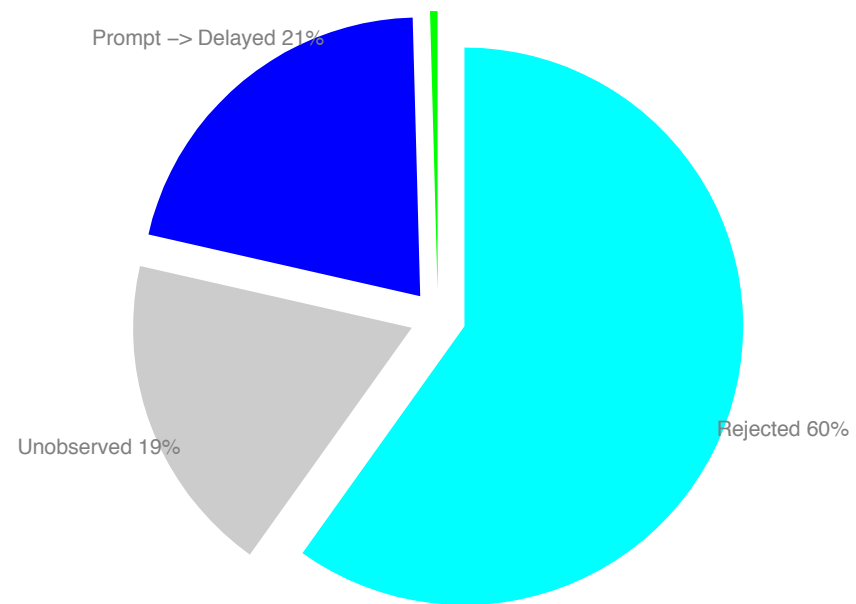
Gamma Complete Spectrum



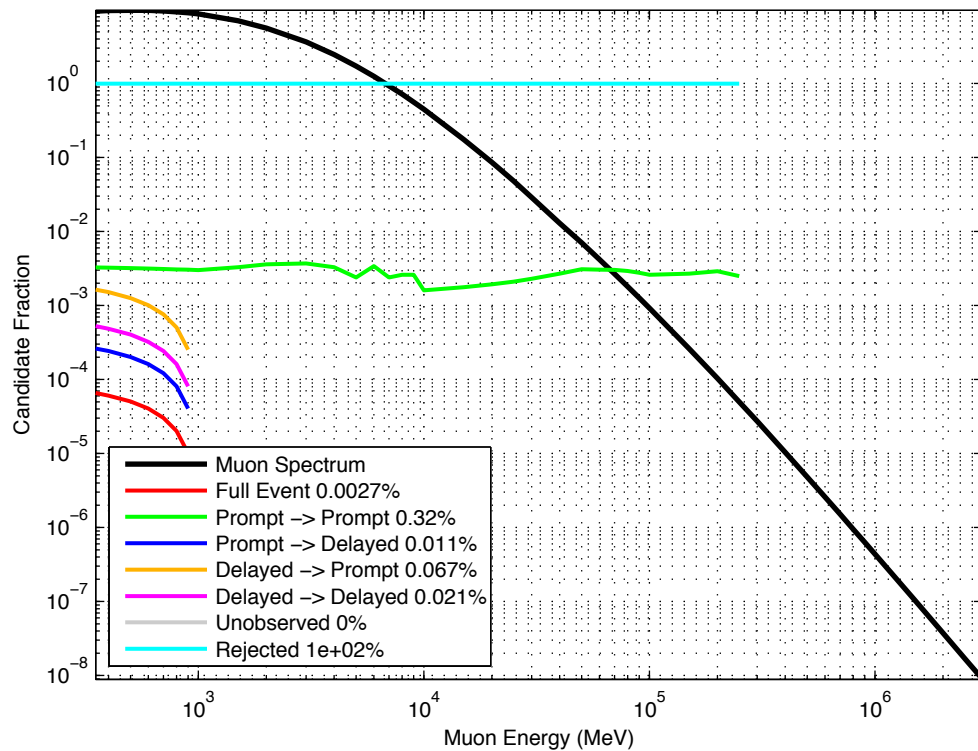
Gamma Candidate Spectra



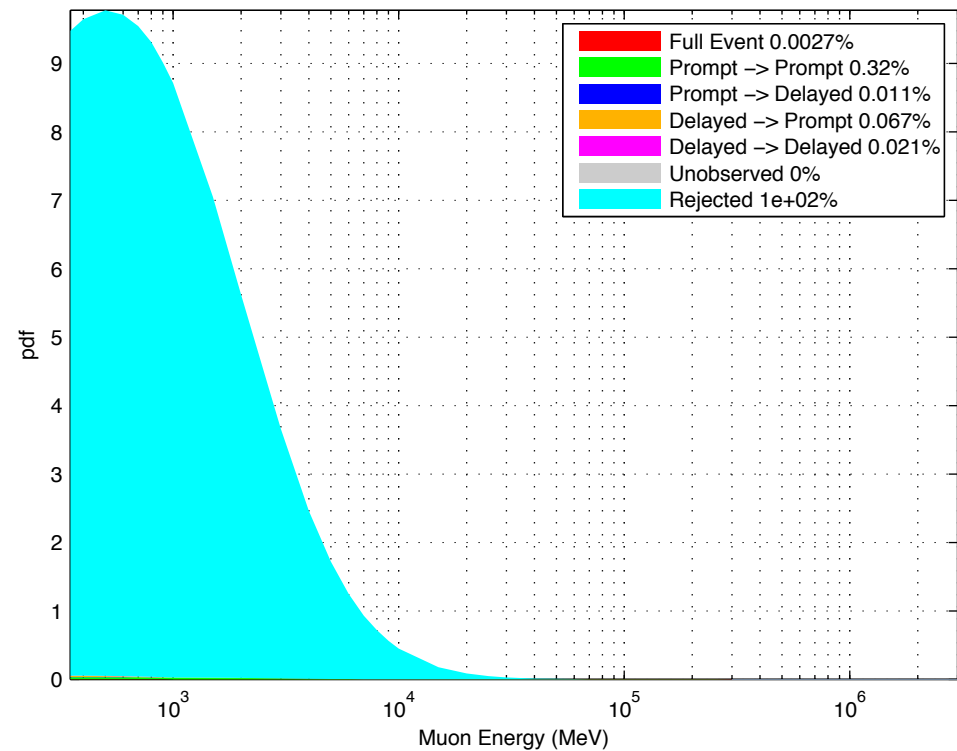
Prompt  $\rightarrow$  Prompt 0.43%



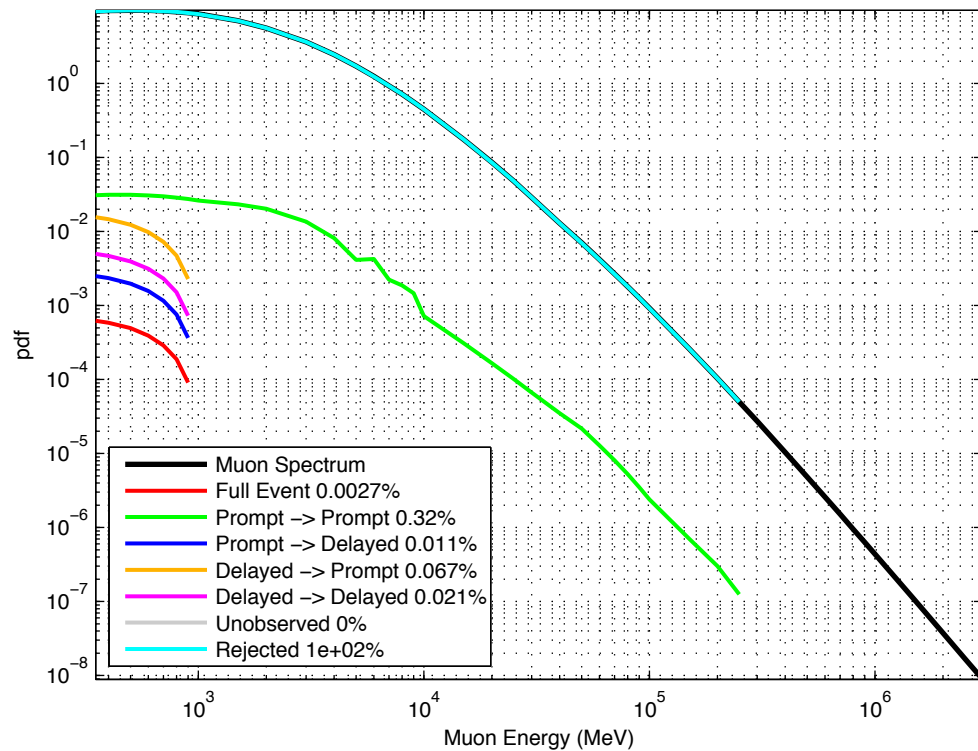
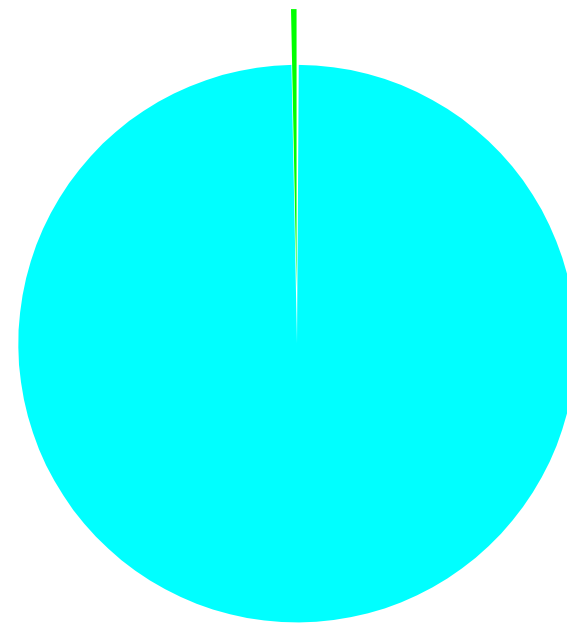
Muons: Sea Level pdf (Rastin 1984)



Muon Complete Spectrum



Muon Candidate Spectra

Prompt  $\rightarrow$  Prompt 0.32%

Rejected 1e+02%