

NEUTRON BACKGROUND RADIATION IN SOLID

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1 Source from Traget

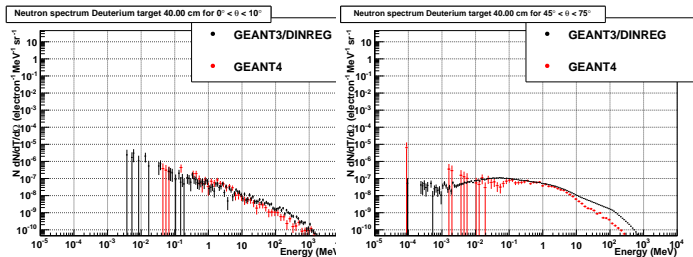
Helium3 target

Implementation of common source from target for Geant4 and Fluka

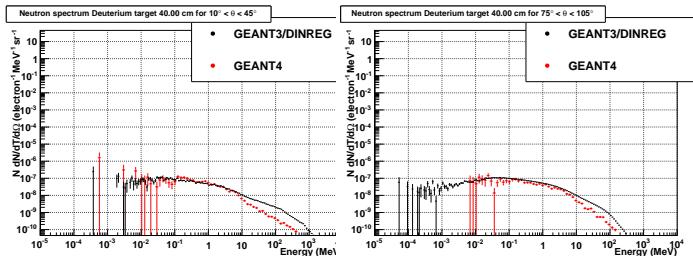
I am working on constructing a common source term from the target evaluating the input from:

- GEANT4
- GEANT3/DINREG (Pavel)
- Deuterium target (see talk Aug 2012)

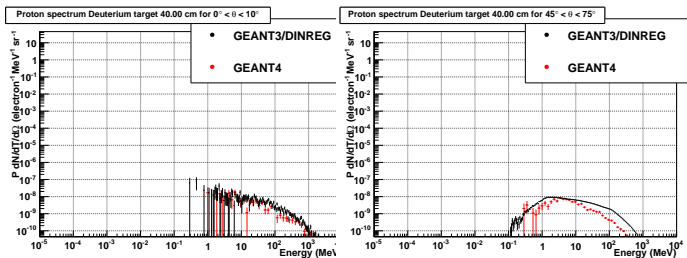
Helium3 target



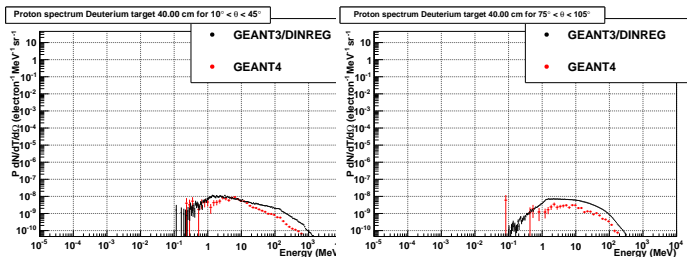
NEUTRON



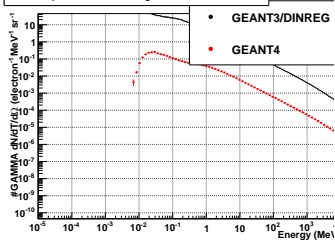
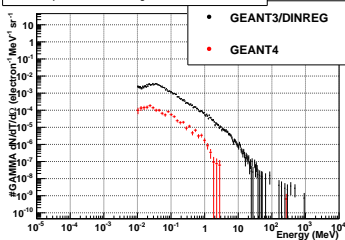
Helium3 target



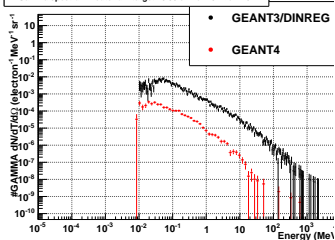
PROTON



Helium3 target

Gamma spectrum Deuterium target 40.00 cm for $0^\circ < \theta < 10^\circ$ Gamma spectrum Deuterium target 40.00 cm for $45^\circ < \theta < 75^\circ$ 

GAMMA

Gamma spectrum Deuterium target 40.00 cm for $10^\circ < \theta < 45^\circ$ Gamma spectrum Deuterium target 40.00 cm for $75^\circ < \theta < 105^\circ$ 