

# Simulation study on the dose and energy response of FNTDs personal neutron dosimetry

1. Which physicsList used for Geant4 simulation ?
2. B10 nuclear reaction process is not right.
3. The parallel neutron beam fluence of  $0.933 \times 10^7 \text{ cm}^{-2}$  , is unit right?
4. while the 7th, 8th, 9th, and 10th detectors which are located in the albedo structure to detect the albedo neutron, are covered by  $^6\text{LiF}$  of thicknesses 100  $\mu\text{m}$ , 10  $\mu\text{m}$ , 1 mm; and the 9th detector is covered with 100  $\mu\text{m}$  thick polytetrafluoroethylene (PTFE).
5. 320  $\mu\text{m}$  is not consistent with figure 4.
6. Legend  $\text{CH}_2 \rightarrow \text{CH}_2$