Geant4 simulation on scintillator bars array (Setup as Dec2014 beam test in Notre Dame)

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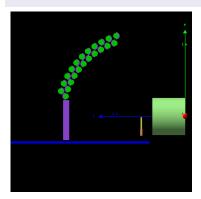


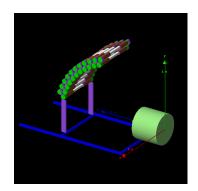
Outline

- Introduction on setup
- Preliminary results of "SDD + 22 scintillator bars"
- 3 Hit position analysis

Setup of 22 scintillator bars

Scintillator bars, view from different angles.

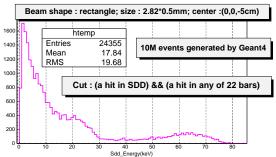




Deposited(recoiled) energies in SDD with a cut

Beam information: shape is rectangle; size: same as the one view from the direction of incident neutron.

Cut: a hit in SDD and any of 22 bars.



All bars : SDD deposited energy vs time hit in Bars

