

Scintillator Characterization for the Single Volume Scatter Camera

Use this template for ALL one-minute poster overview presentations

Concisely address these 3 key points for your **one-minute, one slide oral poster overview:**

- What you are doing and why the audience should care?
- Your technical approach
- Anticipated results, or your results to date

Poster # 2B

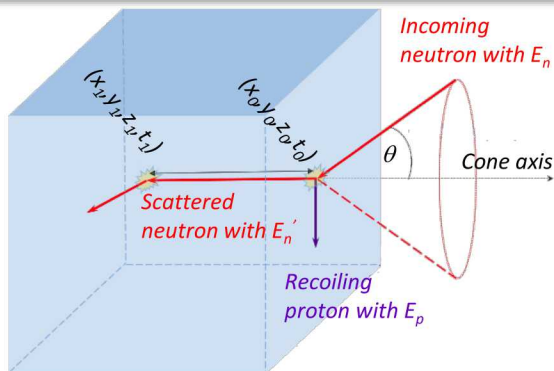
Thibault Laplace

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Scintillator Characterization for the Single Volume Scatter Camera

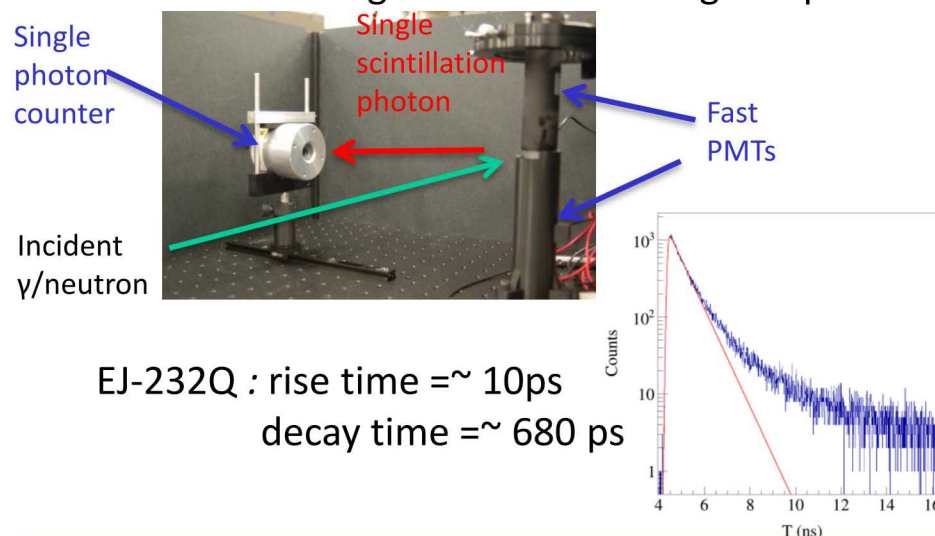
Motivation



Compact neutron imagers are being designed for localization and characterization of SNM.

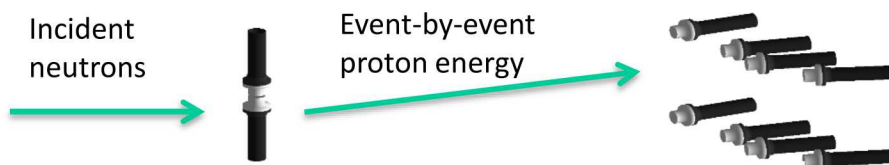
SNL Pulse Shape Measurements

Time Correlated Single Photon Counting setup

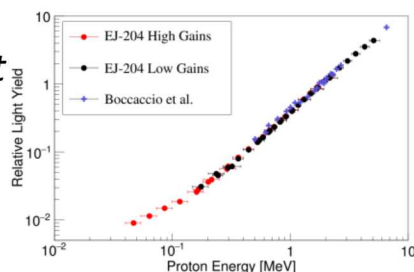


UCB/LBNL Proton Light Yield

Double time-of-flight technique using high-flux d-breakup neutron source at the 88-Inch Cyclotron



EJ-204 proton light yield measured down to 50 keV



Impact

Scintillator properties needed for:

- Energy reconstruction, TOF efficiency and direct reconstruction efficiency
- Other detector system development

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