

Abstract Submitted
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Closer look at $\text{Li}_6\text{Gd}(\text{BO}_3)_3\text{:Ce}$ capture-gated detectors for neutron spectrometry ALEC RAYMOND, JOHN E. ELLSWORTH, Brigham Young University — Lithium gadolinium borate (LGB) capture-gated neutron detectors have good neutron detection efficiency and gamma ray rejection. We study them for use in neutron spectrometry using our in-house time of flight apparatus. Described here are several recent improvements to the apparatus along with some preliminary results.

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