

Abstract Submitted
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LiF Thermoluminescent Detectors for Proton and Neutron Dosimetry ERIN CHAMBERS, Tennessee Technological University, CHRIS ALL-GOWER, Indiana University Health Proton Therapy Center, SUSAN KLEIN, Indiana University Bloomington — Measurements of proton and secondary neutron dose have been taken using LiF:Mg,Ti thermoluminescent dosimeters at the Indiana University Health Proton Therapy Center at Bloomington, IN. These measurements provide evidence for a lower secondary neutron dose from active beam modulation as opposed to passive modulation. An unexplained inconsistency in TLD proton dose response was identified. This research was funded by the National Science Foundation and supported by the Indiana University REU program.

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