

Abstract Submitted
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Near-threshold proton resonances in ^{11}B ¹ EILENS LOPEZ SAAVEDRA, Florida State University — The study of near-threshold proton resonances in ^{11}B has been the object of several recent theoretical and experimental studies due to its unique structural and decay properties. An experiment to search for charge particles decaying from low-lying, low spin resonance states in ^{11}B was performed at the John D. Fox Superconducting Linear Accelerator Laboratory at Florida State University, using a radioactive ^{10}Be beam via the $^{10}\text{B}(\text{d},\text{n})$ reaction. The ^{11}B recoils were measured in coincidence with an array of silicon detectors where protons and alpha particles decaying from unbound states in ^{11}B were identified. Details on the experiment and preliminary results will be presented in this work.

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Eilens Lopez Saavedra
Florida State University

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