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Characterization of p-wave resonances in ^{139}La and ^{81}Br for NOPTREX KYLIE DICKERSON, WILLIAM SNOW, Indiana Univ - Bloomington, NOPTREX COLLABORATION — Few of the p-wave resonances under consideration for use in NOPTREX have quantified errors for the resonance energy and width. We describe a plan to measure the p-wave resonance energies in ^{139}La and ^{81}Br to about 0.1% accuracy using a ^{10}B current mode neutron detector array [1] on FP05 at LANSCE. We also present an analysis of preliminary data taken on ^{139}La. This work is supported by NSF grant PHY-1913789.
[1] Y. F. Yen et al., Nucl. Inst. Meth. A 447, 476 (2000).

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