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Search for TTRIV in the interaction of polarized neutrons with polarized targets

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In this talk, the current efforts of the NOPTREX collaboration to perform TRIV studies in different neutron - compound nucleus systems will be presented. I will describe the experiments we are currently performing and planning for the near future to better characterize PV asymmetries and s , p wave resonance parameters. The mixing between these energetically close resonances is responsible for the observed amplification in PV effects, and the same mechanism would also enhance any TRIV effect.

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