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Studying Neutrinos with FINeSSE BONNIE FLEMING, Yale University, FINESSE COLLABORATION — Although difficult to produce and detect, neutrinos continue to teach us more and more about nucleon structure, nuclear dynamics, and the Standard Model. Recent results from neutrino oscillation experiments as well as improved neutrino sources have rekindled interest in neutrino scattering physics at relatively low energies (1 GeV). The FINeSSE experiment, taking advantage of these intense neutrino sources, coupled with a precision detector, can cleanly probe the spin structure of the nucleon and measure a suite of low energy neutrino cross sections.

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