

Coherent Elastic neutrino-Nucleus Scattering with directional detectors

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In this talk I will review a few aspects of Coherent Elastic neutrino-Nucleus Scattering (CEvNS). In particular I will focus on measurements using neutrino beams from pion decay-in-flight, as those used at FNAL. I will show that, combined with directional detectors, these beams offer an avenue for CEvNS measurements at a different energy scale. Such measurements will provide complementary information to that coming from pion decay-at-rest neutrino sources as well as from reactor neutrino facilities.

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