

The LBNE Near Detector (ND) will be a precision neutrino tracker, and as currently envisaged, will represent a generational advance in the detection of neutrino related interactions. It will potentially have the capability to conduct such measurements with unprecedented sensitivity. I will work with a group of physicists at Fermilab and elsewhere in the US and India to initiate and develop efforts to quantitatively study the capabilities of the near detector to a) constrain the systematic uncertainties for oscillation studies, which are the primary focus of the LBNE Far Detector, b) to determine the possibilities opened up by the ND for conducting precision electroweak studies and, c) explore its reach for the discovery of physics beyond the Standard Model.