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Measurement of Resonance Interaction In The NOMAD Detector

HONGYUE DUYANG, XINCHUN TIAN, SANJIB MISHRA, University of South Carolina, NOMAD COLLABORATION — Resonance interaction is one of the most important neutrino interaction modes for neutrino oscillation experiments in few-GeV energy region. This talk presents the measurement of charged current resonance production from the NOMAD data, which is the most precise resonance measurement so far. Future prospects of such measurements in the proposed high-resolution LBNF near detector will be outlined.

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