

Neutrino-Electron Scattering at MINERvA

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This work is centered in a tool to constrain the muon neutrino flux using neutrino electron scattering studies, at MINERvA Experiment in the medium energy era. Neutrino electron scattering helps to reduce flux normalization uncertainties on MINERvA's absolute cross-section measurements. It is detected through an electromagnetic shower, produced by a single outgoing electron with very forward angle. Due that we are beginning to take medium energy data, we describe how we will isolate the single electron, and the expected signal events using simulation.

Primary author: Mr VALENCIA-RODRIGUEZ, Edgar (Universidad de Guanajuato)

Presenter: Mr VALENCIA-RODRIGUEZ, Edgar (Universidad de Guanajuato)

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