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Study of Λ^0 polarization in $\nu_\mu N \longrightarrow \Lambda^0 \mu^- X$ at Low Energies M. CRISTIANA ZARAZUA, JULIAN FELIX, Universidad de Guanajuato, MINERVA COLLABORATION[1] — In MINERvA Experiment (FNAL e938), we study Λ^0 polarization in neutrino-nucleon reactions $\nu_\mu N \longrightarrow \Lambda^0 \mu^- X$ produced at low energies (1 -4.5 GeV). We present in this work the criteria to identify and select possible Λ^0 events, the methodology to study Λ^0 polarization, and some preliminary results.

[1]Fermilab Collaboration

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