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Neutrino induced pion production in MINERvA

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MINERvA is a few-GeV neutrino-nucleus scattering experiment located in the high intensity NuMI beam line at Fermilab. The goal of MINERvA is to make precise measurements of low energy neutrino interactions, both in support of neutrino oscillation experiments and as a pure weak probe of the nuclear medium. Employing a fine-grained, high resolution detector composed of plastic scintillator as well as carbon, iron and lead targets, MINERvA is well-suited to study inclusive and exclusive pion production channels. This presentation will focus on pion production from plastic scintillator.

Primary author: Mr HIGUERA, Aaron (Guanajuato University)

Presenter: Mr HIGUERA, Aaron (Guanajuato University)

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