



MEETING OF THE AMERICAN PHYSICAL SOCIETY DIVISION OF PARTICLES AND FIELDS

Contribution ID: 353

Type: **Poster**

## Pion Production Measurements at MINERvA

*Monday, 31 July 2017 18:57 (1 minute)*

The MINERvA collaboration has performed important measurements on pion reactions off a scintillator (CH) target, using the NuMI beam at Fermilab in both neutrino and anti-neutrino configurations. These reactions, used by generators to improve nuclear models, are essential for a better understanding of neutrino oscillation experiment results. An important fraction of the signal and background systematic uncertainties in this experiments come from the misidentification of these reactions.

The current NOvA era, with a more energetic and intense NuMI beam, allows MINERvA to perform a more extensive exploration of these neutrino reactions, with more exciting results coming.

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**Session Classification:** Poster Session and Reception

**Track Classification:** Neutrino Physics