

Inclusive and Coherent Interactions with MINERvA Nuclear Targets

Friday 29 August 2014 11:25 (25 minutes)

MINERvA is a neutrino experiment designed for detailed studies of neutrino nucleus scattering physics. Cross sections and nuclear effects can be measured with a large active core of scintillator (CH) and an upstream array of various A nuclear targets. This presentation will review the measured ratio of inclusive cross sections of the CH, C, Fe and Pb targets and, using the active scintillator core, introduce the latest MINERvA measurement; neutrino and antineutrino coherent pion production on CH.

WG3: Accelerator Physics (Yes/No)

No

WG2: Neutrino Scattering Physics (Yes/No)

Yes

WG4: Muon Physics (Yes/No)

No

WG1: Neutrino Oscillation Physics (Yes/No)

No

Type of presentation

Oral presentation

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Session Classification: WG2: Neutrino Scattering Physics