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Recent CCQE results from MINERvA ANUSHREE GHOSH, Univ Tecnica Federico Santa Maria, MINERVA COLLABORATION — The MINERνA detector situated in Fermilab, is designed to make precision cross section measurements for neutrino scattering processes on various nuclei. I will present the two most recent results from the MINERνA charged current quasi-elastic (CCQE) studies. The event sample for both analyses are the CCQE-like final state topology and contain contributions from quasi-elastic and inelastic processes where pions are absorbed in the nucleus. One of the analyses is the MINERνA experiment's first double-differential scattering cross sections for antineutrinos on the hydrocarbon target in the few-GeV range relevant to experiments such as DUNE and NOvA. We compare to models produced by different model generators, and are able to draw first conclusions about the predictions of these models. Another analysis, is the CCQE-like analysis for neutrinos on the nuclear targets of carbon, iron and lead. The ratio of differential cross sections on these targets to the differential cross section on the hydrocarbon target are examined to study nuclear effects.

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