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High statistics results on quasi-elastic-like neutrino scattering from MINERvA

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We present the MINERvA experiment's new double-differential scattering cross sections for neutrinos on scintillator from our recently completed data taking run with a medium energy tune relevant to the NOvA and DUNE oscillation experiments. These results have 10 times the statistics of our previously reported results. As well as being useful to help reduce oscillation experiments' uncertainty, our data can also be used to study the prevalence of various correlation and final-state interaction effects within the nucleus. We compare to models produced by different model generators, and are able to draw improved conclusions about the predictions of these models.

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