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## Measurement of low- $Q^2$ protons from neutral current events in argon with MicroBooNE

The MicroBooNE experiment is an 85 ton active volume liquid-argon time projection chamber located at the Fermilab Booster Neutrino Beamline. MicroBooNE's ability to detect low-energy protons allows us to study single-proton events with a four-momentum transfer squared  $Q^2$  as low as  $0.10 \text{ GeV}^2$ . We present an analysis with a signal of one proton and no other particles (NC1p) in the final state. We report the progress toward the flux-averaged NC1p differential cross section for neutrinos scattering on argon as a function of  $Q^2$  using a subset of MicroBooNE's data.

### Mini-abstract

Measurement of low- $Q^2$  protons from neutral current events in argon with MicroBooNE

### Experiment/Collaboration

MicroBooNE

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