

## Dark Matter Search at MiniBooNE

The MiniBooNE experiment is sensitive to sub-GeV weakly interacting massive particles (WIMPs) due to the large number of protons on target (POT) and by virtue of the large detector mass. The ongoing search in MiniBooNE neutral current elastic scattering (NCE) sample is reported, looking at both the energy distribution and also exploiting the excellent timing resolution. We also discuss an idea to search for low mass WIMPs in a parameter space that overlaps with the muon  $g-2$  anomaly and cosmological relic density estimates.

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