

MiniBooNE Data Releases

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(Dated: October 29, 2021)

The MiniBooNE experiment has provided data releases for most publications. Occasionally it is necessary to move data release pages. This document provides a single point of reference that will be updated by the collaboration to point to the present location of the MiniBooNE data releases.

The MiniBooNE experiment has provided data releases for most publications. From 2007-2021 these data releases were located on a website at Fermi National Accelerator Laboratory. However, due to recent changes in policy at Fermilab, those data release web-pages are no longer available except to those with Fermilab services accounts.

To enable continuous access, the data releases have been copied in the same form to a public site. The purpose of this note is to provide a citable arXiv entry pointing to the present location of the MiniBooNE data releases. This note will be updated as releases are moved or more releases are added. Many will be moved to <https://www.hepdata.net>

The releases listed below, representing the complete set as of October 2021, are located at: <https://rtayloe.pages.iu.edu/MB/data-releases/>

- Data Released with A.A. Aguilar-Arevalo et al., “Updated MiniBooNE Neutrino Oscillation Results with Increased Data and New Background Studies”, arXiv:2006.16883 [hep-ex], Phys. Rev. D 103, 052002 (2021).
- Data Released with A.A. Aguilar-Arevalo et al., “Dark Matter Search in Nucleon, Pion, and Electron Channels from a Proton Beam Dump with MiniBooNE”, arXiv:1807.06137 [hep-ex], Phys. Rev. D 98, 112004 (2018).
- Data Released with A.A. Aguilar-Arevalo et al., “Observation of a Significant Excess of Electron-Like Events in the MiniBooNE Short-Baseline Neutrino Experiment”, arXiv:1805.12028 [hep-ex], Phys. Rev. Lett. 121, 221801 (2018).
- Data Released with A.A. Aguilar-Arevalo et al., “First Measurement of Monoenergetic Muon Neutrino Charged Current Interactions”, arXiv:1801.03848 [hep-ex], Phys. Rev. Lett. 120, 141802 (2018).
- Data Released with A.A. Aguilar-Arevalo et al., “First Measurement of the Muon Antineutrino Double-Differential Charged-Current Quasielastic Cross section”, arXiv:1301.7067 [hep-ex], Phys. Rev. D88, 032001 (2013).

- Data Released with A.A. Aguilar-Arevalo et al., “Improved Search for $\bar{\nu}_\mu \rightarrow \bar{\nu}_e$ Oscillations in the MiniBooNE Experiment”, arXiv:1303.2588, Phys. Rev. Lett. 110, 161801 (2013).
- Data Released with A.A. Aguilar-Arevalo et al., “Event Excess in the MiniBooNE Search for numubar to nuebar Oscillations”, arXiv:1007.1150 [hep-ex], Phys. Rev. Lett. 105, 181801 (2010).
- Data Released with A.A. Aguilar-Arevalo et al., “Measurement of Neutrino-Induced Charged Current-Charged Pion Production Cross Sections on Mineral Oil at $E_\nu \sim 1$ GeV”, arXiv:1011.3572 [hep-ex], Phys. Rev. D 83, 052007 (2011).
- Data Released with A.A. Aguilar-Arevalo et al., “Measurement of Muon Neutrino-Induced Charged-Current Neutral Pion Production Cross Sections on Mineral Oil at $E_\nu = 0.5\text{-}2.0$ GeV”, arXiv:1010.3264 [hep-ex], Phys. Rev. D 83, 052009 (2011).
- Data Released with A.A. Aguilar-Arevalo et al., “Measurement of the Neutrino Neutral-Current Elastic Differential Cross Section”, arXiv:1007.4730 [hep-ex], Phys. Rev. D 82, 092005 (2010).
- Data Released with A.A. Aguilar-Arevalo et al., “First Measurement of the Muon Neutrino Charged-Current Quasielastic Double Differential Cross section”, arXiv:1002.2680 [hep-ex], Phys. Rev. D 81, 092005 (2010).
- Data Released with A.A. Aguilar-Arevalo et al., “Measurement of ν_μ and $\bar{\nu}_\mu$ Induced Neutral-Current Single π^0 Production Cross Sections on Mineral Oil at $E_\nu \sim \mathcal{O}(1$ GeV)”, arXiv:0911.2063 [hep-ex], Phys. Rev. D 81, 013005 (2010).
- Data Released with A.A. Aguilar-Arevalo et al., “A Search for Electron Anti-Neutrino Appearance at $\Delta m^2 \sim 1$ eV² Scale”, arXiv:0904.1958 [hep-ex], Phys. Rev. Lett. 103, 111801 (2009).
- Data Released with A.A. Aguilar-Arevalo et al., “A Search for Muon Neutrino and Anti-Neutrino Disappearance in MiniBooNE”, arXiv:0903.2465 [hep-ex], Phys. Rev. Lett. 103, 061802 (2009).
- Data Released with A.A. Aguilar-Arevalo et al., “Unexplained Excess of Electron-Like Events From a 1 GeV Neutrino Beam”, arXiv:0812.2243 [hep-ex], Phys. Rev. Lett. 102, 101802 (2009).
- Data Released with A.A. Aguilar-Arevalo et al., “The Neutrino Flux Prediction at MiniBooNE”, arXiv:0806.1449 [hep-ex], Phys. Rev. D. 79, 072002 (2009).
- Data Released with A.A. Aguilar-Arevalo et al., “A Search for Electron Neutrino Appearance at the $\Delta m^2 \sim 1$ eV² Scale”, arXiv:0704.1500 [hep-ex], Phys. Rev. Lett. 98, 231801 (2007).