



Fermilab Technical Publications

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Public Access Mandate

- Many Fermilab papers are the result of collaboration with external researchers.
 - Often the Fermilab author never obtains a copy of the final, accepted version.
 - We have been working with our collaborations to find good practices that will enable us to easily fulfill our responsibility.
 - Our aim is that this becomes a standard procedure in the HEP community.
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- Next two slides were shared with the Neutrino Division.

Public Access Mandate: Revising the arXiv.org eprint

- For non-Open Access (at least) please replace the eprint at arXiv with the accepted version
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 - Requests a Fermilab preprint number
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- Easier for a single individual to keep track of various versions of the paper
- Quite common for people to only look at the paper on arXiv rather than in journal, especially if behind a paywall (working from home, etc.).
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Construction and Assembly of the Wire Planes for the MicroBooNE Time Projection Chamber

R. Acciarri, C. Adams, J. Asaadi, J. Danaher, B.T. Fleming, R. Gardner, S. Gollapinni, R. Grosso, R. Guenette, B.R. Littlejohn, S. Lockwitz, J.L. Raaf, M. Soderberg, J. St. John, T. Strauss, A.M. Szelc, B. Yu

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In this paper we describe how the readout planes for the MicroBooNE Time Projection Chamber were constructed, assembled and installed. We present the individual wire preparation using semi-automatic winding machines and the assembly of wire carrier boards. The details of the wire installation on the detector frame and the tensioning of the wires are given. A strict quality assurance plan ensured the integrity of the readout planes. The different tests performed at all stages of construction and installation provided crucial information to achieve the successful realisation of the MicroBooNE wire planes.

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Fermilab and INSPIRE

- Fermilab stores all its publications in INSPIRE
 - <https://inspirehep.net>
- We push from INSPIRE to OSTI using Web Services
 - Works very nicely (OSTI staff are always willing to help when we need it!)
- This includes now, conference presentation slides and posters
 - Researchers feel that slide decks are an increasingly important record of the scholarly conversation
 - Conferences have begun using Zenodo.org to store the slides
 - This gives the slides DOIs, enabling the slides to be cited (and the citations tracked)
- Next year a new version of INSPIRE will be released (currently in beta)
 - We will submit the metadata to OSTI through API access to INSPIRE rather than through accounts on CERN machines like we currently have.
 - This could be used by anyone.