



μ BooNE

MicroBooNE Status Report

M. Toups, MIT

All Experimenters' Meeting

July 14, 2014

Outline

- The move to LArTF
- Post-move electronics tests
- Transition to Installation & Commissioning

The Big Move: Monday, June 23, 2014



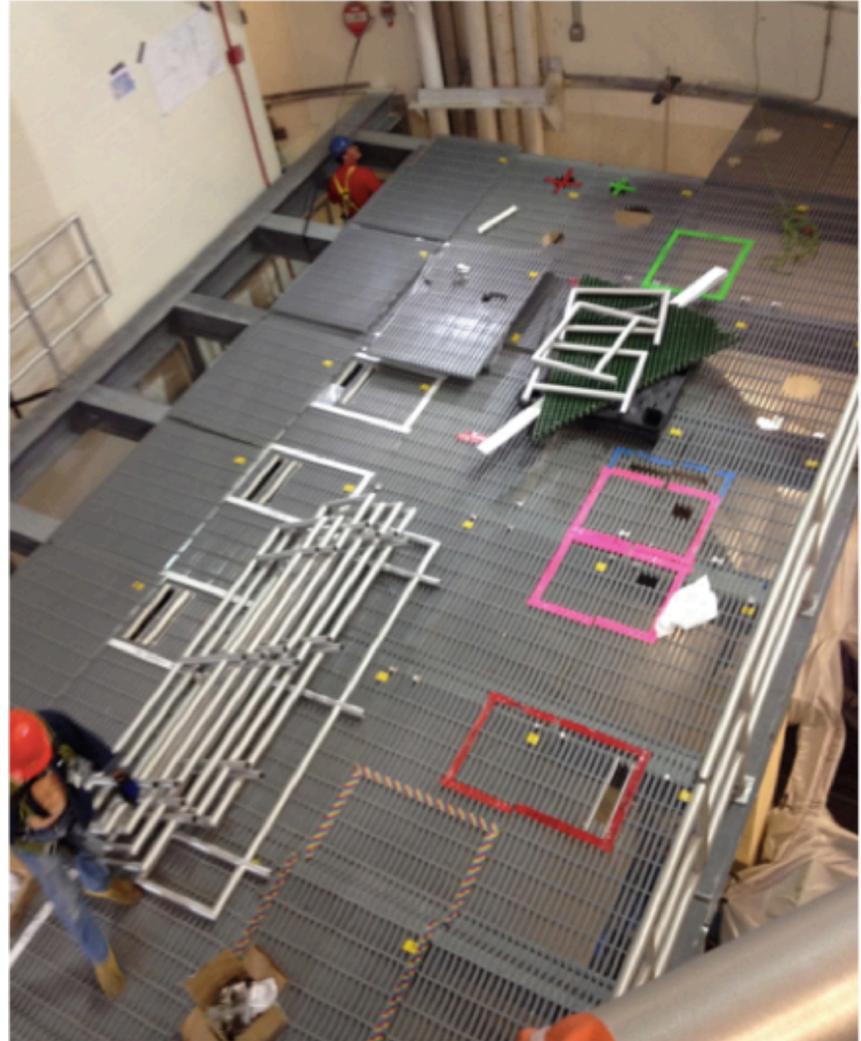






Post-move

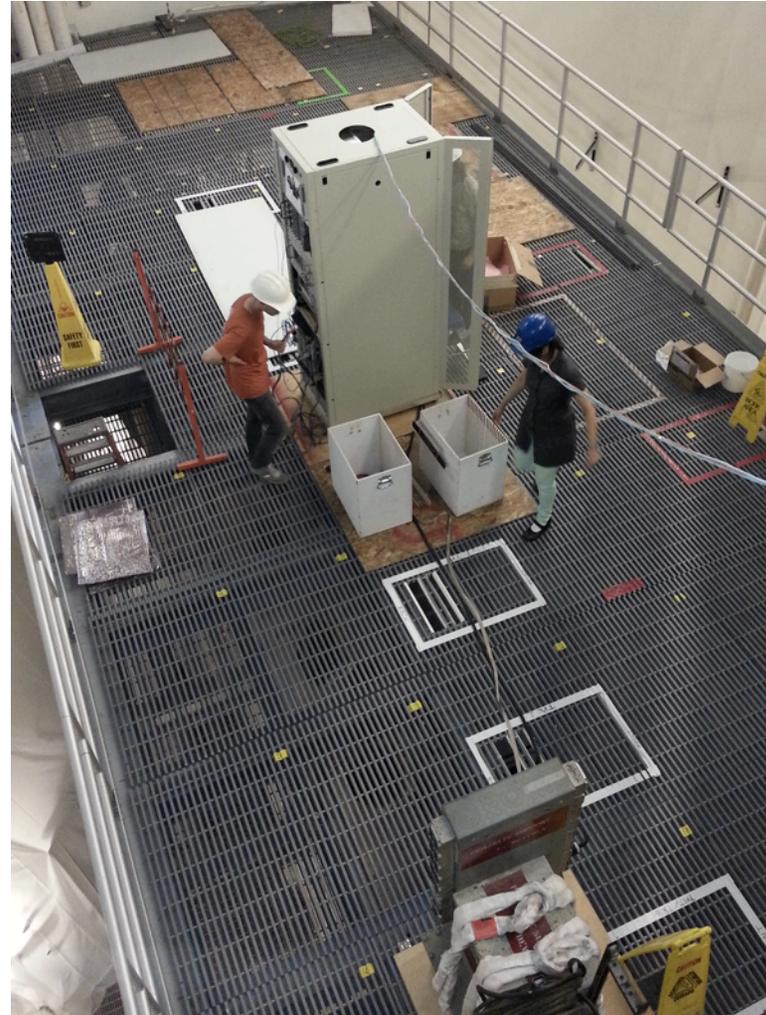
Platform (temporary) installation: June 24 – June 27



Post-move

Electronics check-out: June 27 – July 3

- Look for any damage post-move
- Collected data on all channels to study baseline noise, gain, linearity, cross talk, etc.
- Post-move tests found only 2 candidate bad channels
- **Move to LArTF a resounding success—safe and smooth!**



Managing the Transition to Installation & Commissioning

- Floor manager authorizes work in LArTF
 - Commissioning team leaders carry out work
- Daily activities listed on War Board at LArTF
 - Friday status meetings devoted to planning on week/month time scale
- Defined general safety rules for work in LArTF
 - Hard hat for access below grade-level—work, safety shoes for work involving heavy objects, appropriate clothing, two-person rule, etc.
 - Specific PPE for experiment-related work specified by floor manager

Looking Forward

- Installation at LArTF (in progress)
 - Vessel insulation begins July 21st
 - Cryo system installation
 - Platform, rack, and cable installation
- Cool down and filling (Fall 2014)
- Detector turn-on (Christmas present?)

Thank you!

Newsroom

Spotlight

Press Releases

Fact Sheets and Brochures

Fermilab Today

symmetry

Interactions.org

Video Archive

Photo Archive

Press Release

14-10

June 24, 2014

FOR IMMEDIATE RELEASE

For images and videos of the MicroBooNE move, visit this link:

http://www.fnal.gov/pub/presspass/press_releases/2014/MicroBooNE-Move-20140623-images.html

Massive 30-ton MicroBooNE particle detector moved into place, will see neutrinos this year

On Monday, June 23, the next phase of neutrino physics at Fermilab fell (gently) into place.

The MicroBooNE detector – a 30-ton, 40-foot-long cylindrical metal tank designed to detect ghostly particles called neutrinos – was carefully transported by truck across the U.S. Department of Energy's Fermilab site, from the warehouse building it was constructed in to the experimental hall three miles away.

The massive detector was then hoisted up with a crane, lowered through the open roof of the building and placed into its permanent home, directly in the path of Fermilab's beam of neutrinos. There it will become the centerpiece of the MicroBooNE experiment, which will study those elusive particles to crack several big mysteries of the universe.

