



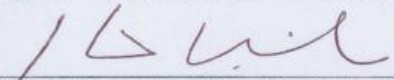
NOvA Awarded CD-3b

- NOvA awarded CD-3b on October 29.
- Authorizes expenditures on all parts of the project.
- Total project cost = 278 M\$.
- History:
 - CD-0 Nov 2005
 - CD-1 May 2007
 - CD-2 Sep 2008
 - CD-3a Oct 2008
 - CD-3b Oct 2009

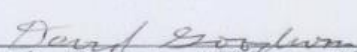
Critical Decision 3b, Approve NOvA Project Start of Full Construction

Recommendations:

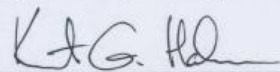
The undersigned "Do Recommend" (Yes) or "Do Not Recommend" (No) approval of CD-3b, Approve Full Construction, for the NOvA Project as noted below.

 10-29-09 Yes ☒ No ☐


ESAAB Secretariat, Office of Project Assessment Date

 10/29/09 Yes ☒ No ☐

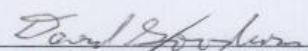
Representative, Non-Proponent SC Program Office Date

 10/29/09 Yes ☒ No ☐

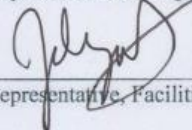
Representative, Office of Budget Date

 10-29-09 Yes ☒ No ☐

Representative, Environmental, Safety and Health Division Date

 10/29/09 Yes ☒ No ☐

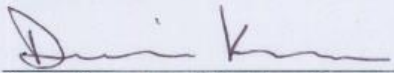
Representative, Safeguards and Security Division Date

 10-29-09 Yes ☒ No ☐

Representative, Facilities and Infrastructure Division Date

Representative, Grants and Contracts Division Yes ☐ No ☐
Date

Approval of CD-3b

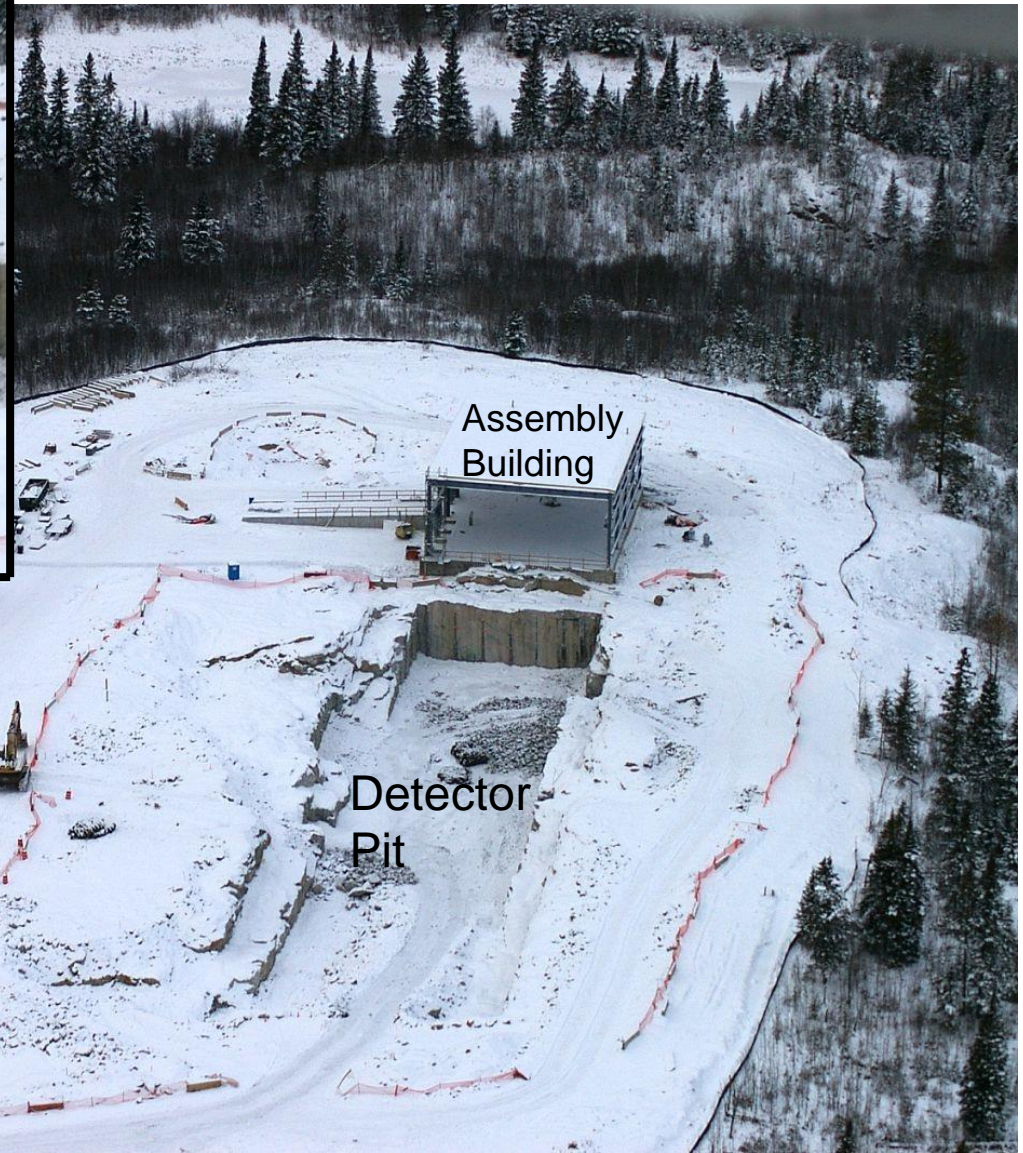
 10/29/09

Dennis Kovar, Acquisition Executive
Associate Director for High Energy Physics
Office of Science Date



Construction Progress at Ash River

December 6, 2009





Full Size Assembly Prototype Completed at Argonne

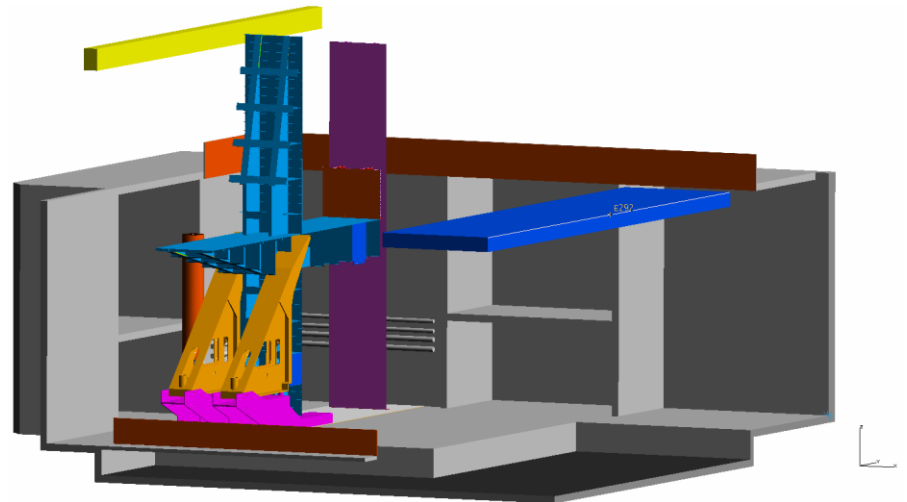
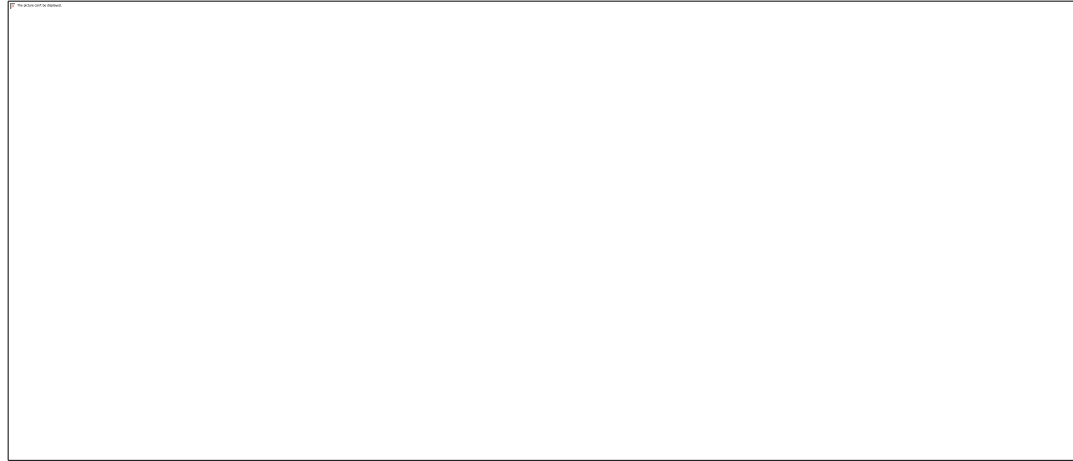
- 5-layer full size prototype to study time, motion, and precision.

THE UNIVERSITY OF CHICAGO



Construction Started on the Full Height Engineering Prototype

- The FHEP will be built at Argonne and installed in the CDF building.
- It is a 31-plane full height, 2-module wide prototype.
- Its purpose is to study lifting and placing blocks and mechanical properties when filled with liquid.

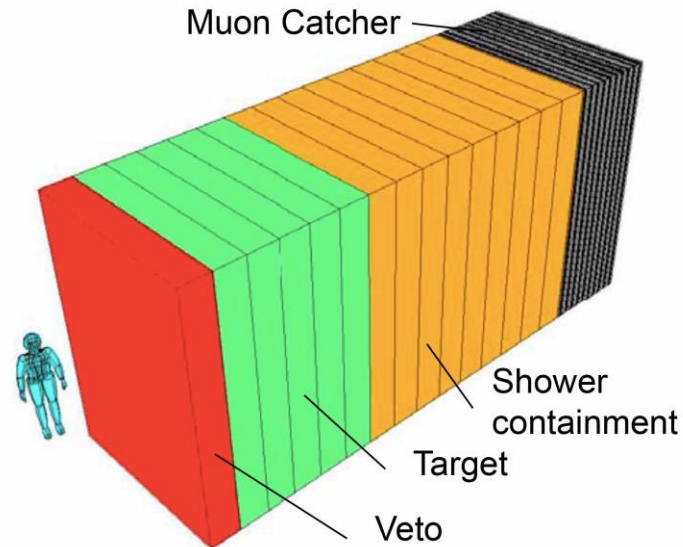




Construction of the Near Detector to Start Soon

- The Near Detector will be run on the surface in the off-axis NuMI beam prior to being moved underground in the 2012 shutdown.
- Building outfitting to be completed by June.
- Installation of modules and filling over the summer.

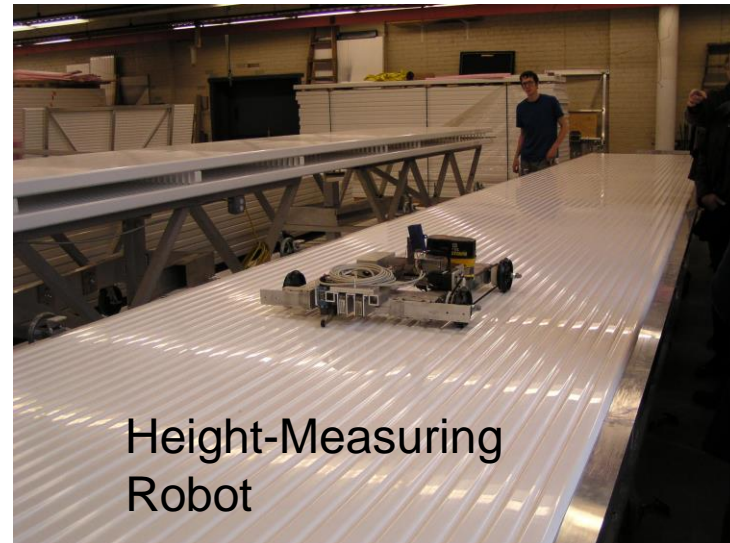
NOvA Near
Detector on
the Surface



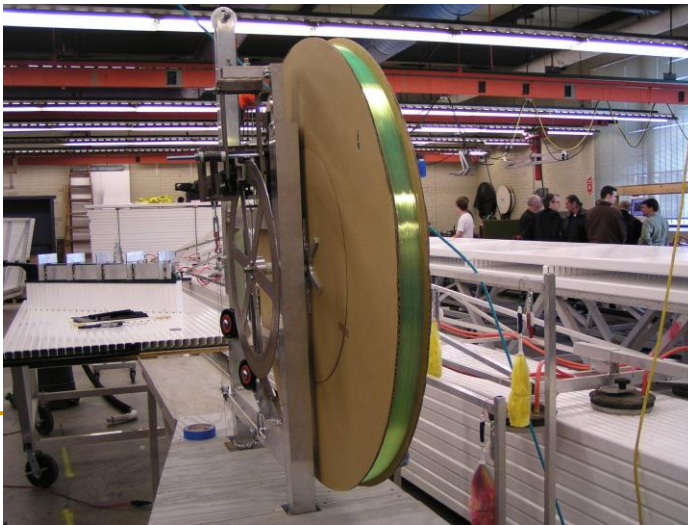


Temporary Module Factory at the University of Minnesota

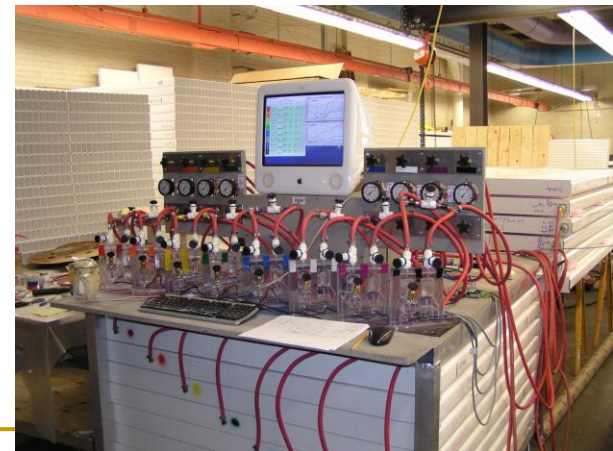
Lease for the production factory to be signed soon.



Fiber Stringer



Leak Test





Far Detector Schedule

- 3-months float in the start of the 2012 shutdown, so acceleration is possible.

