PØD Early 2014 Work

Topic of the day:
ECAL work and schedule constraints

Reminder:
• Two dead TFBs in the north lower PØD ECAL
• Repair plan (subject to safety committee approval)
  -> Remove north mezzanine
  -> Install temporary support structure
  -> Slide north lower PØD ECAL onto support structure
  -> Open it up and fix it
  -> ECAL module stays in pit, all work done in pit

-> Multiple emails with the ECAL group since two weeks ago,
  plus phone discussion with Alfons

ECAL Schedule (tentative):
• Start work week of Feb. 24
  -> Four weeks after the T2K meeting ends
  -> Two weeks total work
• Magnet close starts March 10.
Can we work on top of the PØD during the ECAL work?

In principle, yes.

- North mezzanine can be removed with the guard rails around the top of the basket left in place (per Tsukamoto)
- Access only from the south side
- Can access water electronics, TFBs, etc.
  - Extended water-in test during this time possible
  - Electronics checkout during this time possible

However:

- Cannot replace/swap sensors during this time
  - Fixture requires people on both sides of PØD
- Cannot close up the PØD during this time
  - Removing support rails, platform, etc. requires access from both sides
  - Installing top dry air covers requires access from the north side (or a lot of extra work...)

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Bruce Berger

POD Early 2014 Work - Nov. 25, 2013
PØD Early 2014 Work

PØD closeup after the ECAL work

Closing up the PØD after the ECAL work requires the north mezzanine to be reinstalled after the ECAL work

- This point was not clear to the ECAL group until a phone conversation with Alfons on Friday...
- It can be done, but was not in their plan
- Closeup would have to be done at a very specific time, weekend of March 8-9.
  -> Would need to plan manpower at that time to do it.
  -> Six weeks after the T2K meeting
PØD Early 2014 Work

Options:

1. Plan to complete all PØD work by Friday, Feb. 21
   -> Four full weeks after the T2K meeting
   -> Sensor replacements, full water-in test, electronics checkout, and PØD closeup would all need to be finished in this time

2. Continue PØD work during ECAL work
   -> More time to complete work
   -> Only extended water-in testing, electronics checkout work during Feb. 24 - Mar. 7
   -> Closeup likely weekend of Mar. 8-9
PØD Early 2014 Work

Opinion:

I am leaning towards Option 1.
-> Simpler plan overall
-> Four weeks after the T2K meeting should be plenty to finish everything.

Possible schedule:

Week of 1/13: (week before T2K mtg) - water-in test to assess sensors
Week of 1/20: T2K meeting
Week of 1/27: Replace sensors
Week of 2/03: Water-in test, week 1
Week of 2/10: Water-in test, week 2
Week of 2/17: Drain PØD, complete electronics checkout, close up PØD
Week of 2/24: ECAL work starts