

MIPO Meeting Notes: 20th January 2015 14:00 GMT

Attending: A.Bross, P.Garbincus, A.Grant, P.Hanlet, R.Krull,
K.Long, M.Palmer, R.Preece, J.Pasternak

Absent:

Invited:

Agenda:

1. Actions and MEMO report
 2. PRY progress
 3. RF Waveguide proposal
 4. CM41 Parallel and Plenary
 5. AOB
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Minutes:

1. Actions and MEMO report
 - see MEMO notes
 - no closing hall for PPS
 - activation run is 8th March; should plan second mock data run to precede
 - steel will not be here by then, so we should attempt to run
 - **ACTION:** RP, JP, KL, and PMH should decide how to best take advantage of data taking amid construction and best profit from beamline magnet study vs data for detectors vs alignment
 - Previous action items:
 - ABr – check with Keller; no new information, however Keller asked about who pays for machining OT, which is promising – **in progress**
 - RP – manufacturing costs of *LiH* by Norbert updated: most sources provide granular form; A.Nichols may have source at Y12; will give talk at CM41 – **in progress**
2. PRY progress
 - 2nd steel requisition for final configuration PO is out
 - **ACTION ABr & AN:** discuss if tracker cryostats can remain connected when south side legs are moved

- legs ready to ship, only awaiting paperwork
- FNAL to pay for machining overtime
- **ACTION ABr:** get estimate from Janpack regarding leg delivery
- **ACTION ABr:** get estimate from Keller regarding steel machinery
- will request Steve Plate to come when surveying is done

3. RF Waveguide proposal

- presentation by Alan G.
- waveguides run above north side aisle instead of under floor
- hybrids to be placed above cavities
- hybrids cause 90° phase shift, implies hybrids are not centered above cavities
- moved power to old positions 2 and 3 to give more room
- Legs not needed to react magnetic force. Need to worry about the gravitational forces
- no obvious conflicts, but possibly conflicting with above “dog house” pumping
- not certain if we need additional pumping and therefore dog house
- MP: moving hybrid closer to wall reduces risk of magnetic field affecting hybrid operations
- **ACTION ABr:** should ask Tianhuan to model multi-pacting of hybrids and coax; need this for reviewers
- will have SF₆ in coax lines
- **ACTION AG:** engineering drawing to move hybrid to north wall
- FNAL-LBNL mini-review regarding vacuum next week

4. CM41 Parallel and Plenary

- Roy presented proposal
- PMH suggested adding electrical/controls to final step session
- should allow Monday morning for RAL induction
- MP suggests integration/interface session
- MP points out commissioning is exposing issues: broken & aged equipment, lack of spares, dwindling expertise; needs to re-optimize commissioning needs dynamically; will affect deployment

5. AOB

- Nothing

6. DoNM – 3rd February