

MIPO Meeting Notes: 1^{rst} July 2014 14:00 GMT

Attending: R.Preece,P.Hanlet,P.Garbincus,M.Palmer,K.Long,J.Pasternak,P.Soler,A.Bross
Absent: A.Nichols
Invited:

Agenda:

1. Actions from previous meetings
 2. Planning and discussion for DOE Review of MAP
 3. Response from UK PSAG
 4. Cooling Channel Alignment Group
 5. AOB
 6. DONM 15th July 2014
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Minutes:

1. Actions from previous meetings
 - **RP:** define authors for short paper defining acceptance criteria of magnets and RF cavities – **stands**
 - **RP and AG:** can UK match with bump in spending or flat cash – **stands**
 - **RP and KL:** UK ask for meeting w/Janet to precede US/UK – **complete**
 - **RP:** follow up with operating costs of ISIS protons, electricity, LHe, etc. – **complete: reported at Collaboration board, John Thomason is discussing for ISIS protons**
2. Planning/Discussion for DOE Review of MAP and UK PSAG
 - PFAC: Janet Seed + Division & Department heads; nothing definitive
 - MP: what is UK statement on ability to match US proposed aggressive schedule
 - KL: AG & RP worked out details and it requires bump in 500k in 2015 and 700k in 2016
 - MP: 1/2 mismatch between US deployment and UK installation with US aggressive schedule
 - ABr: not the funding mismatch but time mismatch of ~ 1 year for Step V PRY
 - MP: need plan for full RFCC power up plan prior to installation

- MP: RFCC requires re-design to allow installation of couplers without removing RF cavities; allows RFCC to be delivered to UK as a package
- **ACTION: RP** proceed on Step V PRY design to understand interplay between RFCC and PRY installation
- **ACTION: MP** come up with boundary conditions on coupler redesign for installation

3. Preparations for DOE MAP Review

- meeting 30 July with Janet Seed, would like drafts by 25 July
- KL: Papers in progress for meeting with Janet Seed
 - Boyd preparing Operations Plan
 - Pasternak & Blackmore preparing physics rescaling plan
 - Pasternak preparing magnet commissioning plan
 - Soler preparing detector plan
 - Preece preparing assumptions document
 - propose Blackmore, Pasternak, Rogers go to MAP DOE Review
- MP: described agenda for MAP DOE Review
- ISIS will likely have 3 month shutdown from Jan-Mar 2016, with consequence that MICE will only run Step IV in 2015
- Order with Keller (for PRY) is placed, south PRY frame on schedule, issue remains on 18 week after steel arrives for south wall; hopefully this will be resolved this week
- MP: additional information regarding review: practice on 31 July and 1 August

4. Cooling Channel Alignment Group

- RP: want to formulate group
- cannot move magnets transverse to one another, but can angle them
- J.Pasternak, P.Hanlet, C.Rogers, A.Nichols
- JP: suggest surveyor
- JP: may have to study alignment errors for software
- time scale - 3 to 4 months

5. AOB

- KL: leak in SSD 9×10^{-6} rate between cold mass and vacuum space
 - **ACTION: PMH** get numbers comparing SS1 and SS2 and distribute
- KL: ToF stand
 - PS must ensure that ToF1 can be movable and will stay outside of 50 G region
 - need Holger to give Maurizio 50 G surface
 - Jason to make movable stand
 - **ACTION: RP, PS, MB** to follow up and develop a plan for ToF1
 - no hardware funding for Italian collaborators

6. DoNM 15th July 2014

Summary of Actions (incomplete old and new):

- **RP:** define authors for short paper defining acceptance criteria of magnets and RF cavities
- **RP and AG:** can UK match with bump in spending or flat cash
- **RP:** proceed on Step V PRY design to understand interplay between RFCC and PRY installation
- **MP:** come up with boundary conditions on coupler redesign for installation
- **RP, PS, MB:** to follow up and develop a plan for ToF1
- **PMH:** get numbers comparing SS1 and SS2 and distribute