

## MICE Executive Board

14<sup>th</sup> May 2021; 15:00 BST

**ZOOM details:** [http://micewww.pp.rl.ac.uk/projects/computing-software/wiki/MICE\\_zoom\\_info](http://micewww.pp.rl.ac.uk/projects/computing-software/wiki/MICE_zoom_info)

### Notes

#### 1. Introduction: KL

This is our first meeting since the last collaboration meeting. Progress on analysis continues. One issue, that recurs every couple of months is from LBNL who need to complete the “abandonment in place” of the spectrometers. DK agreed to help resolve the issue. KL will progress with SK and C. Lowe from RAL.

#### 2. Minutes and actions: All

- No actions recorded.

#### 3. Admin issues:

##### Author list:

Presumption is that author list that is used with the Franchini system performance paper will be used for the remaining papers. We agreed that PK circulate to Collaboration Board to ask for corrections as soon as PF releases paper for final reading.

##### List of theses:

ISIS wishes to update the theses that have been produced from its programme. PK has asked the Collaboration Board to check the list of theses that are linked to the MICE WWW page. When corrected the link will be passed to ISIS.

#### 4. Physics Coordinator's report: CR

System performance paper is now imminent. Few corrections came in this morning. PS asked about status of IH2 study. We agreed that it was important that it be represented so that other authors could reference it and that it would stay in the paper, with some finessing of the introduction and abstract to broaden the paper's scope.

Scattering paper is also well on the way. The last outstanding action is to investigate the correlated  $\chi^2$ ; this is in progress.

Flip mode referees have been nominated and a meeting has been fixed in mid-June.

Solenoid mode referees have been nominated – a doodle poll has been initiated for the first referees meeting but a date was not yet fixed.

Liquid hydrogen scattering paper is in progress – the systematic error analysis has begun but needs quite some work. Monte Carlo – data tuning is also needed.

The focus of the wedge absorber analysis has been on momentum reconstruction; the momentum resolution is large compared to the requirement, especially in TKD where the solenoid field was lower. Craig is working to improve momentum

resolution but it is challenging to see how this can come to a paper in the appropriate time frame.

The field-on scattering analysis continues to move slowly. It is quite challenging to see how this converges in an appropriate time frame.

**5. Software Coordinator's report: PK**

No new issues.

**6. Speakers Bureau: VP**

VP continues to generate significant opportunities for presentation of our results.

Report received by email after the meeting:

We are riding for conferences this year the four abstracts below, based on the analysis in progress in the collaboration.

The first is the main abstract and has already resulted in a talk at NuTel (T.Lord) <https://agenda.infn.it/event/24250/overview> and at APS (C.Rogers) <https://april.aps.org/#main>. A talk and three posters were granted and are being finalized by the four main authors for IPAC2021, late May <https://www.ipac21.org/index.php#> (remote participation only) Each is really a video, infact. And a manuscript. To be urgently uploaded. Circulating at the moment.

WIN2021 <http://win2021.umn.edu/> (June,remote participation only) only granted us a poster, for the main abstract. They apologise, but they have three times more (remote) registrations and abstracts than usual! Please NOMINATE A CANDIDATE to prepare that poster, under Chris' supervision.

EPS-HEP 2021 <https://indico.desy.de/event/28202/> (July, remote only) We have applied for 1) a parallel talk, for the main abstract. Please NOMINATE A CANDIDATE to prepare that, under Chris'supervision and 2)3)4 have already been granted three posters, updates of those at IPAC, that Gavriil, Jurj and Lord will each prepare. To present them in person or to entrust to another mouse that each would supervise.

Nufact <https://nufact2021.ca.infn.it/> late August both remote and physical participation We have been granted a 90' WG3 MICE session with four talks Please NOMINATE A CANDIDATE to prepare the main presentation, under Chris' supervision. Gavriil, Jurj and Lord have been asked to prepare the other three talks. To present them in person or to entrust to another mouse that each would supervise.

I will next begin looking beyond the summer, all inputs welcome.

**7. Next collaboration meetings:****• 2021:**

- CM59: October 2021
- We agreed to run the October meeting as an online meeting and to run an in-person, final collaboration meeting in, say, February 2021. **KL** will inform collaboration.

**8. DONMs:**

- To be agreed
- We agreed to meet at collaboration meeting and to combine EB and CB meetings.

**9. AoB**

**PS:** MICE video; is it posted on the WWW and paid the company? **PK** will check.

**SUMMARY OF ACTIONS:**

- **KL:** Progress abandonment in place of LBNL equipment with the support of DK.
- **PK:** Circulate draft author list to CB to solicit comments and corrections.
- **KL:** Inform collaboration of decision regarding next CM.
- **PK:** Progress/complete payment for video.