

## **KURRI-FFAG MEETING 12/04/2018 BlueJeans VC meeting**

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D. Kelliher, S. Machida, C. Prior, J. B. Lagrange – RAL/ISIS

S. Sheehy – Oxford

Y. Ishi, T. Uesugi, H. Okita - KURRI

1. Discussion on HB2018 talks – Andreas has been invited to speak about FFAGs and space charge and there was some discussion of input to this. (Suzie is also invited to talk about Paul traps but is not yet 100% sure she can attend).
2. Ishi-san gave KURRI update
  - Most user experiments have now been completed. Schedule is behind on finding time to measure COD prior to cavity installation, but at the moment they still plan to do this.
  - Okita-san did orbit measurement in MERIT Ring and it agrees well with calculation.
  - MERIT ring (reduced k value from ERIT) has a tune of almost 1 in horizontal, so hard to measure COD & injection error. Now carrying out beam position measurement.
  - Discussion on second cavity location calculation.
  - MERIT studies will mostly be concluded before COD measurement as the radial probes are being used for MERIT studies.
  - Discussion on tomography and bunch signal monitor, which we think would be better after the beam has moved away from the foil.
3. Discussion about education resources for fixed field accelerators. Suzie has some small amount of funding via her Royal Society grant to create educational website and record two lectures. She

asks for input/feedback on the best way to do this. A few suggestions:

- Need to consider website persistence over time
- Need to make sure we can collate contributions from international community – wiki style?
- Include outlines of current projects (and previous ones!)
- Want to have a ‘landing page’ for accelerator community to learn about these machines. It should be easy for people to learn about them, answer frequently asked questions etc...
- Suzie suggests to use part of the budget to pay for hosting/design so that the website can be independent of individual institutes and persist over time
- Suzie will prepare outline ideas and send to the international organizing committee for feedback and consideration

Additional question/discussion from Shinji: how can we extend the FFA community? How do we get input/experts from other accelerator areas such as synchrotron and cyclotrons to engage in this area?

- Invited talks at FFA workshops (and co-running with cyclotron conference, already done this but a good idea)
- PSI could be a ‘breakthrough’ point
- Accelerator schools could also be an opportunity – USPAS?
- To be discussed further...

#### 4. AOB

- Next meeting: 24<sup>th</sup> May