

KURRI FFLAG MEETING 2/2/2015
Google+ hangout meeting

Attendees:

Y. Ishi, T. Uesugi, KURRI
D. Kelliher, S. Machida, C. Rogers, C. Prior, S. Sheehy, RAL
M. Haj Tahar, BNL
D. Bruton, Huddersfield

Minutes:

1. Ishi-san presented the current setup of the machine and status of various diagnostics.
 - The material at S4 and radial probe at S1 are removed
 - The unused probe has been removed to do extraction experiments
 - The probes are at F5, F7, S2 and perturbators at S3 (vert), S2 (horiz)
 - Sakamoto-san's BPM is at S5

Action: Suzie to draft list of required diagnostics for the Feb/March experiments and send

2. Suzie gave an overview of the proposed experiments for Feb/March. Details in her slides

There was discussion led by Mori-san about the difference in tune diagram between simulation and experiment. Suggested to try simulation with vertical tune around 1.4 to see if the 'straight line' or 'trapping' feature still exists. (Nevertheless it is worth seeing if there is a correlation between COD and tune.)

We should add an additional parameter to the COD vs tune experiment, to also vary the F/D ratio.

David & Suzie will try to look at analysis of this in advance using some existing data.

3. Shinji presented more detail on the RF optimization experiments. He discussed some ways to capture more particles including maybe 'phase displacement' method.

There was discussion about the 'phase displacement' method including whether a 2nd frequency bucket could be used to perform this method. It doesn't give much energy but just might shift the beam off the foil.