KURRI FFAG MEETING 24/2/2014

Google+ hangout meeting

Attendees:

C. Prior
C. Rogers
S. Sheehy
D. Kelliher
S. Machida
Y. Ishi
T. Uesugi
Y. Kuriyama
Y. Mori
F. Meot
M. Tahar
J. S. Berg

Minutes

Slides and files on http://hadron.kek.jp/FFAG/colabo/index.htm

1. Matters arising from last meeting:

   - Experiment proposal spreadsheet had been created & circulated by SLS
   - Amplifiers had arrived at KURRI.

2. Simulation and analysis updates:

   None.

3. Experimental studies/plans:

Y.I. Has uploaded a KURRI experimental schedule for March/April 14
http://hadron.kek.jp/FFAG/colabo/meetings/schedule_mar_2014.pdf

S.S. ran through each proposed experiment in the spreadsheet for discussion, the spreadsheet has now been updated and is on the hadron.kek server.

Some details/issues which need further thought include:

- There is some discussion on the beam size at the foil position, see S.M. note http://hadron.kek.jp/FFAG/colabo/meetings/machida20140225.pdf

- The possible use of a collimated beam for orbit matching if the beam emittance is large.

Action: KURRI team to forward report on emittance measurement from former student

- The use of the equivalent momentum method for the dispersion measurement needs more thought on the implications of equivalent method in the scaling FFAG (this has previously been used in the linear non-scaling FFAG EMMA). Note

that the main magnets are part of the 'injection' line as the H- beam has a trajectory through the scaling magnet before reaching the injection foil. If the magnet strength is changed is the response linear or proportional?

http://hadron.kek.jp/FFAG/colabo/meetings/20140224_MarchExperiments_Sheehy2.pdf

4. Any other business

Y.K has created a new collaboration website using Google Sites which will be developed and discussed further in the next meeting.

Next meeting date: Wednesday 13th March