

Minutes of KURRI-FFAG collaboration meeting (SM)

14:00 – 15:30 BST, 5 July 2012

1. Christoph summarized the diagnostics specification and status including future proposal.
2. The main device is the beam scraper and electrostatic pickup for current measurement. Scraper can be installed either from the top or from the bottom, either from the inside or from the outside.
3. Position of the scraper can be changed from the control room.
4. Measurement with wire is not a good idea because of its destructive nature.
5. Shinji reported the simulation with scattering and space charge.
6. One possible way to relatively reduce the scattering effects is to squeeze the beta function at the foil position. However, how much we can squeeze the beta function is not clear.
7. KEK group is developing a large size foil such as 10 cm x 10 cm now. The thickness is still like 20 micro g /cm².
8. Mori&Okabe model may overestimate the foil scattering with iCool. It need to be verified by an independent check.
9. In the first day or second of the FFAG workshop, FFAG school will be held at KURRI. Machine study is scheduled during this period. It is also a good time to check the vacuum chamber size, all available diagnostics, etc.
10. Mori-san will send us the field map of ADSR-FFAG.