

Minutes of KURRI-FFAG collaboration meeting (SM)

14:00 – 15:00 BST, 9 May 2013

1. Because of large budget cut, operation time of the machine is rather limited. However, there will be two months before the summer and three months in the end of the year for beam study.
2. For user, the average current is about 5 nA with 10 or 20 Hz repletion.
3. For the coming two months, the main subject of beam study is to investigate injection and early acceleration. This may be limited by a half integer resonance which is very close to the operation point around the injection energy. Field gradient caused by correction magnet to compensate field leakage and coupling at rf cavities may push up the vertical tune.
4. Vertical tune scan can be done relatively easily.
5. $Q_x + 2Q_y = \text{integer}$ is one of known strong resonances.
6. We will think about the submission of this study to the cyclotron conference.
7. Strong interest was expressed from BNL colleague.