

RAL Meeting of KURRI FFAG Collaboration 13/12/13

Attendees:

S. L. Sheehy
S. Machida
D. Kelliher
C. Gabor
C. Plostinar

Minutes

DK presented his analysis of bunch monitor data based on integrating the data peak-by-peak instead of using the peak height measurement.

Showed bunch width (length) measurement turn-by-turn from 131113_01 data (tune measurement with no RF cavity present)

SM also suggested looking at how the peak position moves turn-by-turn and include the effect of energy loss due to foil scattering.

Action: SS to follow up and ask for B field vs current data to make the ZGOUBI model from F. Meot more comparable to real experiments for TOF and tune (T. Uesugi may have this data?)

Plan to compare results to C. Rogers simulations of energy loss.

(Existing results will be presented at the next KURRI collaboration meeting)

Suggestion also to look at current monitor data if available, together with the set bunch length from the linac & compare to David's data to see if it matches up.

Action: SS to enquire about current monitor report from M. Takabatake.

Discussion about requirements for future experiments in March. Further investigation of the required amplifiers to be able to see a 'real-time' tune was suggested.

SS suggested that we should think about purchasing 3 at an approx. cost of £2k each. One to fully instrument the double plate bunch monitor, and two to add to the triangle plate monitor

Action: SS to follow up with Y.Ishi for amplifier spec and cost

SM suggested he would look further at tune data.

Action: SS will make a spreadsheet in the data directory which describes the data file!