

Commissioning Plan for ATF2

Requirement of commissioning tools at the beginning of FF line commissioning to pass through the beam to the dump.

1) BPM ;

- I, Q information from each readout electronics (SLAC)
- Temporal BPM control panel for commissioning (KEK)
 $(x, y) = A * \sqrt{I^2 + Q^2} * \text{Sgn} (I \text{ or } Q)$
A ; free parameter
I, Q ; from SLAC

2) Screen, ICT (KEK) and

information of amplitude of reference cavity (SLAC).

3) Quad Movers

Calibration should be done.

Hardware limit switch should be installed.

Commissioning of Extraction Line.

- 1) Dispersion correction study
- 2) Coupling correction study etc.

Commissioning of FF Line in parallel to commissioning of extraction line

- We need many instrumentation devices for the beam tuning.

Therefore, the first stage of the FF line commissioning
is that of the instrumentation devices themselves.

1) Cavity BPMs

- BPM offset measurement and BBA study will be done simultaneously with cavity BPM commissioning itself.

2) Honda monitor or carbon wire scanners

- When Honda monitor or carbon wire scanners will be ready, 1st level beam size tuning will be started.

3) Shintake monitor

- When Shintake monitor will be ready, fine beam size tuning will be started.