

I. 2009 goal

1. high large beta 8cm x 1cm

based on Carbon wire scanner 5 μ m dia. with Shintake monitor detector
verification of optics

specifically,

orbit tuning by BBA

beta-matching,

vertical dispersion and coupling corrections

- septum rotation

2. optics with smaller beta with interference mode and sextupoles, i.e. < 100nm background reduction

- understanding of present status,

e.g. as a function of QD0 current, tilt and position of incoming beam

alignment of FD magnets, beam pipes

check the downstream apertures with present/designed optics by simulation

II. Comments to the list of activities and priorities in this summer

(Andrei's talk in the summary session)

(1) Shall we put the "septum rotation" as VH in the list?

How significant is the large vertical emittance for the goal in 2009 ?

(2) Can the Multi-OTR system be constructed/completed by end of this year?

Are there locations available ?

- there are candidate places and Mark will finalize them.

How much effort is needed to commission all the OTRs?

- construction/test by SLAC, calibration.tuning by IFIC as well as SLAC

- KEK contributions ?

Schedule, especially installation and commissioning

(3) Replacement of the stripline BPM electronics by SLAC

Very nice to upgrade the electronics by SLAC leadership, in general

-SLAC can also contribute the installation and commissioning with beam?

Calibration/studies of stripline BPMs with kicker noises is more important?

- (4) C- and S-band BPMs commissioning to be completed
the trigger issue solved
- unique trigger from the locking box of 100MHz signal
 - C-band - RF=6,4260MHz, LO=6,4520MHz, IF=26MHz
SIS clock=103.86MHz
- S-band BPM has problems data taking.
(needs 2/3 weeks pre beam work to complete task list,
SB and SM to visit in Oct 09.)
- (5) Preparation of the UK laser would be overloaded to Shintake group.
So the first priority must be commission with the present laser system .
"BSM + LW laser upgrade" should not be VH.
Schedule, especially installation and commissioning
UK contributions - laser itself, others such as timing, optics, alignment,
commissioning ?
- (6) Is "HLS in DR to EXT" H, while "HLS at ATF2" is M ?
Relation to the large vertical dispersion issue or
injection efficiency or reproducibility of extraction ?
- (7) Understanding of the background in Shintake monitor
FD alignment, downstream aperture, $\beta^*_x(\text{QD0})$ -dependence, collimator,
and Cherenkov detector (Alex suggested at the meeting)