

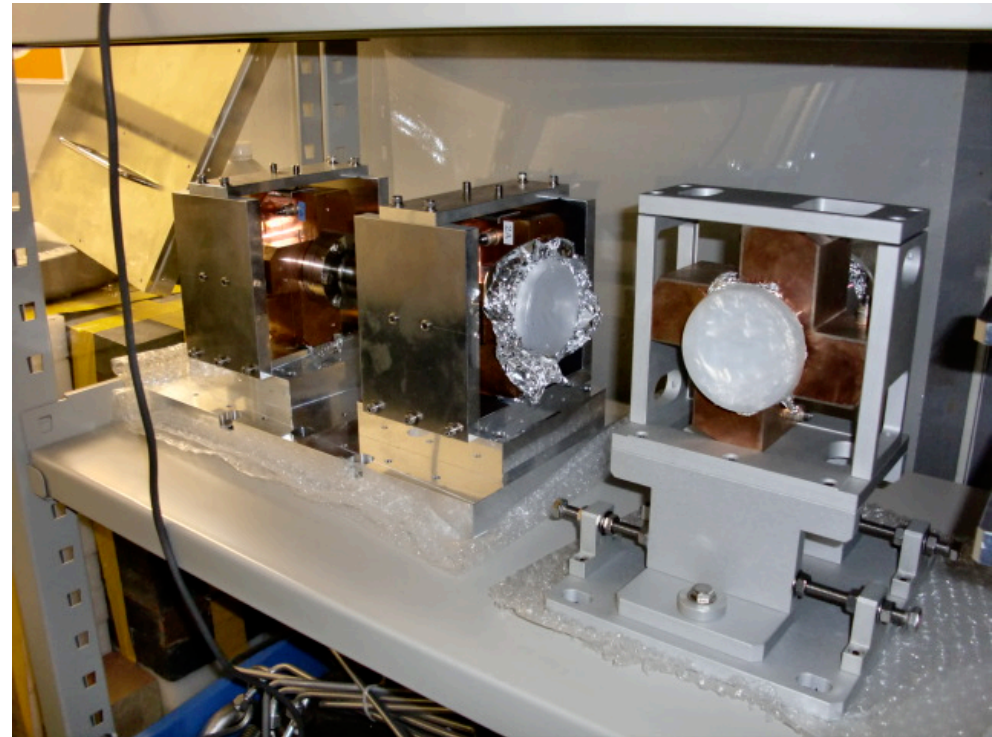
IPBPM

ATF2 project meeting
2009.12.15
Yosuke Honda

- plan toward 2011-

present status of IPBPM

- No IP-BPM is installed at present.
- There are three sets of IP-BPM
 - KEK IP-BPM (the one proved 8nm resolution)
 - KNU IP-BPM (low-Q type)
 - non-vacuum type (to be installed in Shintake monitor vacuum chamber)
- KNU group is working on their electronics now.
 - They are using one of Q-BPM signal for test. They will need low-Q BPM soon.



near future

- The first test of KNU IP-BPM will be done at upstream section of ATF2, on the granite table between QF21X and QM16FF.
- Tilt-monitor, KNU BPM, KEK BPM, reference cavity will be placed on the table.
- I expect KNU group will lead this experiment.
- We like to ask this installation in Jan.2010.
- The test will take 1 year to conclude BPM performance and be ready to go IP section.



at the IP

- Originally, IP-BPM is for phase-2 goal of ATF2, after removing Shintake-monitor... But we think phase-1 will continue for a while. Shintake-monitor will need high resolution BPM, also. Another IP-BPM to be mounted inside Shintake-monitor is ready.
- Candidate for the installation is Mar.2010.
- If FONT group needs low-Q IP-BPM near IP to commission their system, MPIP can be replaced with KNU BPM. It will be after the first test at the upstream area. (May be beginning of 2011).

