

Installation and alignment in the ATF2 beam line

Status of the ATF2 construction

Nobuhiro Terunuma and Sakae Araki
KEK

ATF2 Project Meeting, 2008/05/27

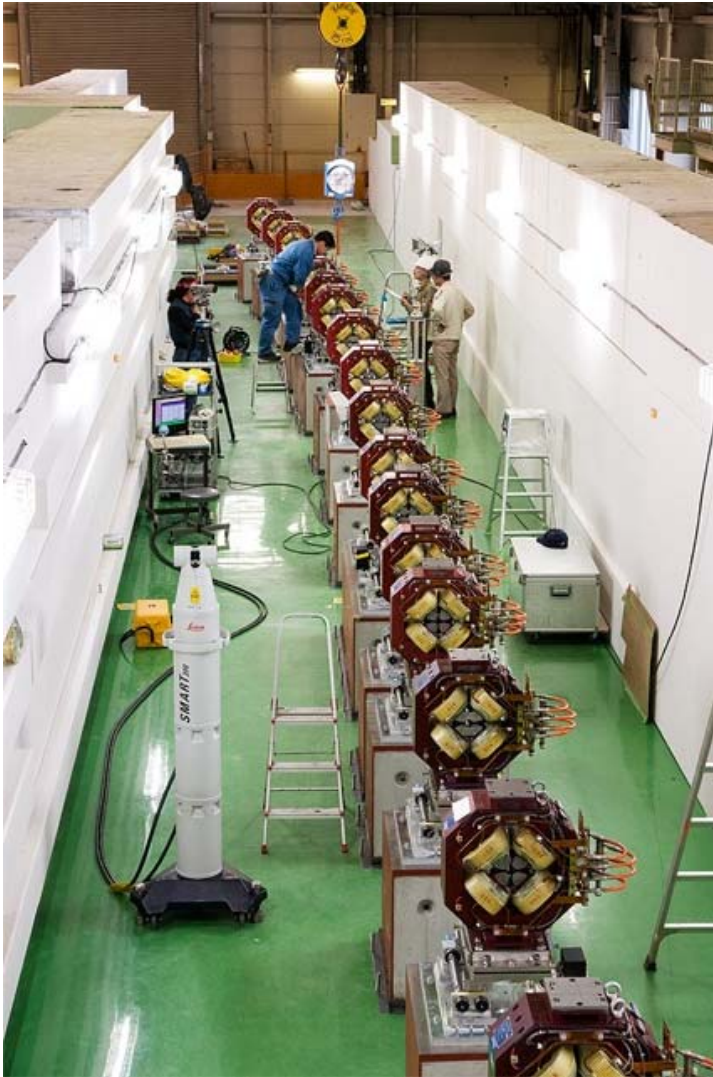
Contents

- Report on progress after 5th meeting
- Schedule

At 5th ATF2 project meeting
Installation of Magnet Tables had been started.



After the 5th ATF2 meeting



QEA magnets were installed
(Feb/2008)



DC cabling...
(Mar/2008~)

Water piping
had been
started.
(Mar/2008~)



Shields



Entrance maze
(Apr/2008)

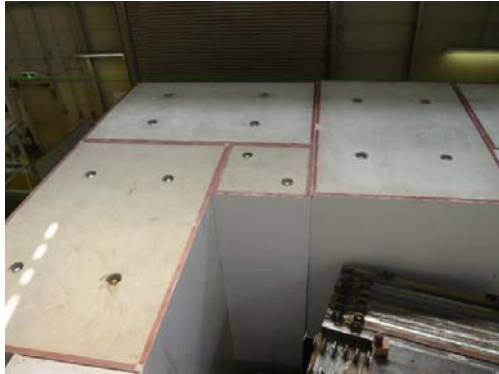


Roof shields are
settled with safety
fence. (May/2008)



Behind the
beam dump
(Apr/2008)

Beam dump



Magnet system (1)



High Availability power supply will be activated in this week.
DC cables, water lines for FF magnets are ready.

Magnet system (2)



SLAC/IHEP dipoles were installed.



Control system of SLAC movers were under testing.

QBPM



QBPM and front-end module are installed.
Cable adjustment was carried out.



Huts for ...



Vinyl hut for the FF beam line.
HAPS, SLAC movers, BPMs,
Vacuum, Timing,...



New LW hut was prepared.
Waiting powers and air conditioner.
Laser can be moved soon.

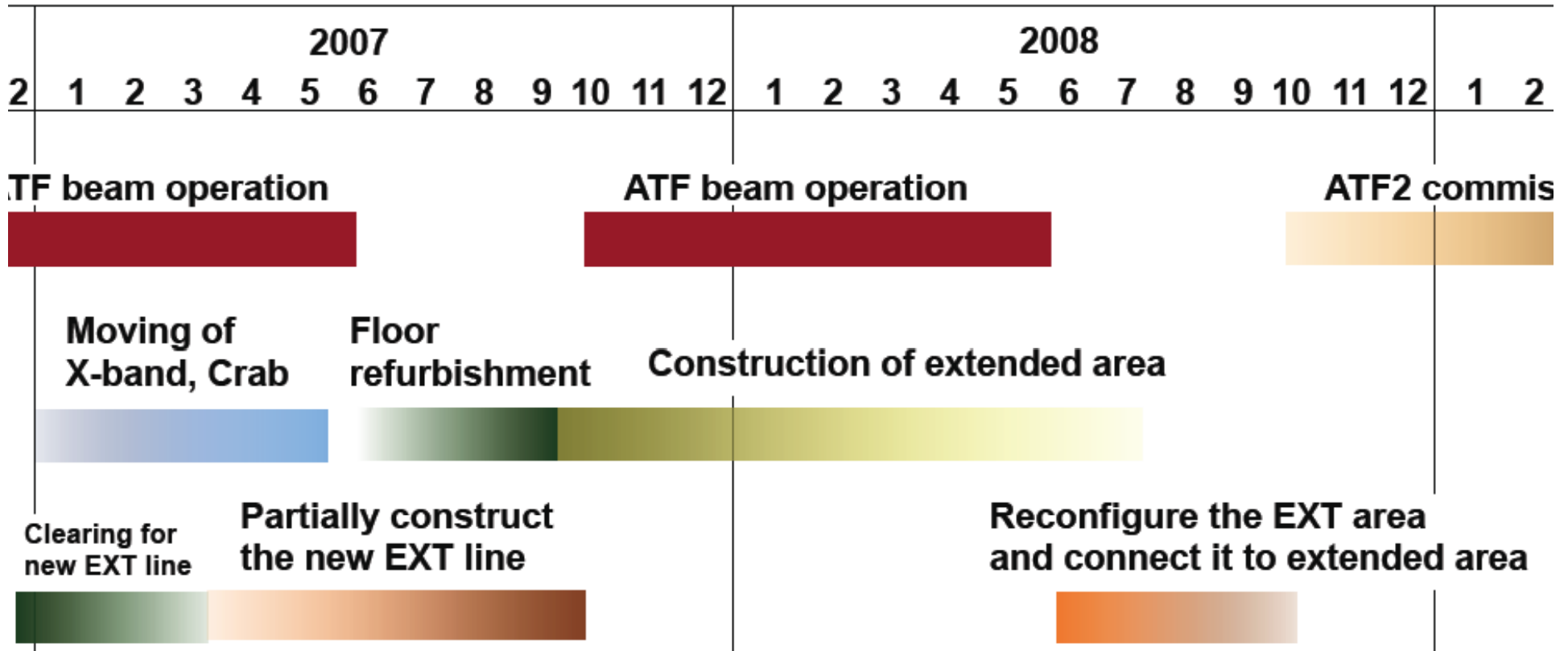
BSM (Shintake Monitor)



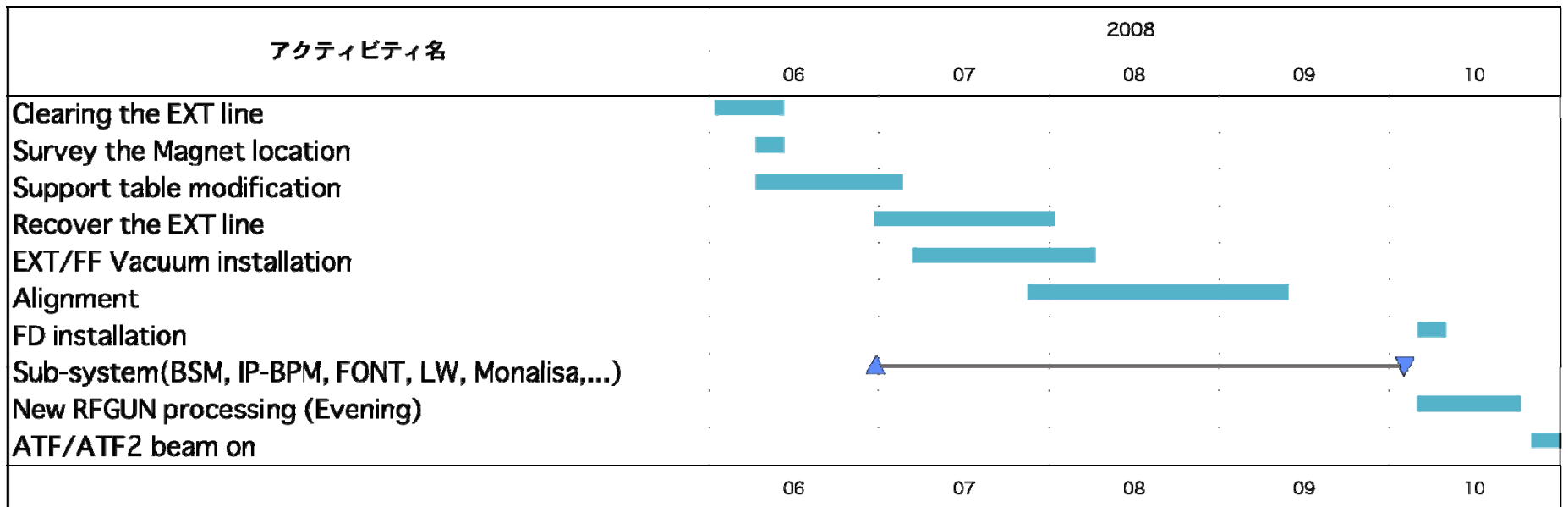
Interferometer table are sitting on the beam line.
Laser is installed for testing until Oct/2008.

ATF2 Construction Schedule

Not changed since Dec. 2006.



Schedule



Prioritize

- Deliver the beam to ATF2 dump
- Inspection of radiation safety with beam (Dec.10)
- Expensive missing items (QK**, etc) will not be prepared in FY2008 because of a lack of ATF funds. (postpone to FY2009)
- Scheduling for
 - New RFGUN system installation/processing (Oct/2008)
 - Beam extraction R&D by Fast Kicker (Dec-Jan/2008)

