

ATF2 Project meeting, 1 October 2008, KNU, Korea

Wednesday 01 October 2008

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09:00->12:00 Integration of software in the ATF control system (Convener: Shigeru KURODA (KEK))

Description:

- beam tuning and hardware
- flight simulator

09:00	Present Status of Hardware-direct Software R&D (30')	S.Boogert
09:30	Present Status of High-Priority Software R&D (30') (Slides)	C.Rimbault
10:00	Present Status of Flight Simulator (30') (Slides)	G.White
10:30	break	
11:00	Present Status of Near-Future Study (30') (Slides)	S.Kuroda
11:30	Discussion (20')	All

12:00 Lunch

13:30	DR-emittance R&D (40') (Beam time proposal; DR emittance)	Kiyoshi Kubo (KEK)
14:10	Plan of fast kicker R&D (40') (Slides)	Takashi Naito (KEK)
14:50	coffee break	

15:20->16:30 Commissioning schedule (Convener: Toshiyuki Okugi (KEK))

Description:

- strategy ; goals, team works,
- schedule by end of 2008 and also in 2009

15:20	IP-BSM beam study in Dec.2008 (15') (Paper)	Masahiro OROKU (Tokyo Univ.)
15:35	Beam time request from SLAC team (15') (Slides)	Andrei Seryi (SLAC)
15:50	ATF2 beam commissioning plan (15') (Slides)	Toshiyuki Okugi (KEK)
16:05	Discussion for the beam time schedule (25') (Exel file)	

16:30 coffee break

16:40->17:40 BDS status and plan (Convener: Andrei Seryi (SLAC))

Description:

- what will be coming out from ATF2

16:40	BDS and ATF2 (20') (Slides)	Andrei Seryi (SLAC)
17:00	ATF2 magnet and PS lessons for ILC BDS (10') (Poster) Lessons learned from designing, fabricating & installing ATF2 magnets and their power supplies that should be remembered for same tasks for the ILC's BDS	Cherrill Spencer (SLAC)

17:40->18:00 Summary (Convener: Andrei Seryi (SLAC) , Toshiaki Tauchi (KEK)) slides

1. QM7 off-center, multipole effect
baseline model of QM7,
will be studied by Mark and Mauro
correction by 4 or 2 skew Qs
4 are needed to correct coupling generated in DR
2 will be installed in next summer.
2. 6-pole and 10-pole as well as 12 pole in FD
requires difference of gap distance $< 20\mu\text{m}$
needs detailed information from Cherrill,
We would like know how the reproducibility has been tested at SLAC.
to be discussed at next weekly meeting, 8th October .
3. Schedule of software readiness
High priority tasks, when as milestones ?
to require periodically meetings and reports
to be discussed at the commissioning schedule session.
We must have hardware related ones before the commissioning,
1 November.

In order to have effectively machine time, we will switch to the small beam optics in middle November,

If hardware problem happens, work can be done in January, including during the fast kicker studies.

fast kicker 2 weeks in Jan.2009

DR emittance in November

3 graduate students

- 4 shifts for IP-BSM

- 1 for cavity Compton scattering in DR - study in November ?

6 or more shifts from SLAC

- 1 for FS, Glen

- 3 for Steve, FS, eddy current,

- 2 for QM7R and beta matching

- 2 for BBA in DR

- 2 for cold-BPM studies, Jan 2009 - move to Nov.?

In 12 November, we will have a dedicated meeting to discuss on the schedule of beam studies in December.

RF gun and linac, injection ...

DR Retuning

ATF2 hardware commissioning

ATF Beam Schedules

If possible, beam study

10 2008

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

11 2008

Su	Mo	Tu	We	Th	Fr	Sa
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12 2008

Su	Mo	Tu	We	Th	Fr	Sa
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7	8	9	10	11	12	13
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21	22	23	24	25	26	27
28	29	30	31			

1 2009

Su	Mo	Tu	We	Th	Fr	Sa
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4	5	6	7	8	9	10
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18	19	20	21	22	23	24
25	26	27	28	29	30	31

2 2009

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
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3 2009

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Cold cavity BPM

- preparation of radiation inspection
- radiation inspection
- fast kicker study (cannot extract the beam)
- nominal beam study time
- special meeting to discuss the detail schedules in December 2008

Beam time for graduate students

IP-BSM group

Cavity Compton