

# **Fifth ATF2 Project Meeting**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## **Conventional facilities and construction schedule**

*Friday, 21 December 2007 11:20 (5 minutes)*

**Presenter:** TERUNUMA, Nobuhiro (KEK)

**Session Classification:** Summary

Contribution ID: 1

Type: **not specified**

## Hardware devices for commissioning

*Friday, 21 December 2007 11:25 (5 minutes)*

**Presenter:** WOODLEY, Mark (SLAC)

**Session Classification:** Summary

Contribution ID: 2

Type: **not specified**

## **Instrumentation**

*Friday, 21 December 2007 11:30 (5 minutes)*

**Presenter:** Mr MAY, Justin (SLAC)

**Session Classification:** Summary

Contribution ID: 3

Type: **not specified**

## **Magnet, mover and alignment**

*Friday, 21 December 2007 11:35 (5 minutes)*

**Presenter:** Dr SPENCER, Cherrill (SLAC)

**Session Classification:** Summary

Contribution ID: 4

Type: **not specified**

## Power supply

*Friday, 21 December 2007 11:40 (5 minutes)*

**Presenter:** LAM, Briant (SLAC)

**Session Classification:** Summary

Contribution ID: 5

Type: **not specified**

## **FD support**

*Friday, 21 December 2007 11:45 (5 minutes)*

**Presenter:** Dr URNER, David (University of Oxford)

**Session Classification:** Summary

Contribution ID: 6

Type: **not specified**

## Commissioning and Tuning

*Friday, 21 December 2007 11:50 (5 minutes)*

**Presenter:** BAMBADE, Philip (Laboratoire de l'Accelérateur Lineaire (LAL) (IN2P3) (LAL))

**Session Classification:** Summary



Contribution ID: 7

Type: **not specified**

## **Installation schedule**

*Friday, 21 December 2007 11:55 (5 minutes)*

**Presenter:** TERUNUMA, Nobuhiro (KEK)

**Session Classification:** Summary

Contribution ID: 8

Type: **not specified**

## Long term plan

*Friday, 21 December 2007 12:00 (5 minutes)*

**Presenter:** Dr PARKER, Brett (BNL)

**Session Classification:** Summary

Contribution ID: **10**

Type: **not specified**

## **QBPM: Testing, Installation and Commissioning**

*Wednesday, 19 December 2007 15:30 (15 minutes)*

Latest testing of QBPM system, preparation for installation and commissioning

**Presenters:** MCCORMICK, Doug (SLAC); Mr MAY, Justin (SLAC)

**Session Classification:** Instrumentation

Contribution ID: 11

Type: **not specified**

## **DR RingBPM Upgrade: Status and Plan for Commissioning**

*Wednesday, 19 December 2007 15:45 (15 minutes)*

Introduction and summary of damping ring BPM upgrade program. Discussion of interaction between DR BPM upgrade commissioning and ATF2 commissioning.

**Presenters:** Mr MAY, Justin (SLAC); Ms SMITH, Tonee (SLAC)

**Session Classification:** Instrumentation

Contribution ID: 12

Type: **not specified**

## **S-Band BPM Progress**

*Wednesday, 19 December 2007 16:00 (15 minutes)*

Summary of recent development and tests of S-Band BPM and electronics

**Presenter:** Dr BOOGERT, Stewart (Royal Holloway, University of London)

**Session Classification:** Instrumentation

Contribution ID: 13

Type: **not specified**

## **FONT: R&D Status**

*Wednesday, 19 December 2007 16:15 (15 minutes)*

Results and progress of FONT R&D program

**Presenter:** Prof. BURROWS, Philip (Oxford University)

**Session Classification:** Instrumentation

Contribution ID: 14

Type: **not specified**

## FONT @ ATF2

*Wednesday, 19 December 2007 16:30 (15 minutes)*

Development and plans for FONT systems in the ATF2 system

**Presenter:** Dr RESTA LOPEZ, Javier (JAI, Oxford University)

**Session Classification:** Instrumentation

Contribution ID: 15

Type: **not specified**

## **Testing and development of feed-forward systems for ATF2**

*Wednesday, 19 December 2007 16:45 (15 minutes)*

Summary of progress and upcoming tests and plans for feed-forward instrumentation and operation in ATF2

**Presenter:** Dr KALININ, Alexander (ASTEC Daresbury Laboratory CCLRC UK)

**Session Classification:** Instrumentation



Contribution ID: 16

Type: **not specified**

## LaserWire Program @ ATF2

*Wednesday, 19 December 2007 17:00 (30 minutes)*

Progress and planning for the laser wire instrumentation at ATF2, including testing in the ATF extraction line

**Presenters:** Dr HOWELL, David (Oxford); Mr DEACON, Lawrence (Royal Holloway); Dr BOOGERT, Stewart (Royal Holloway, University of London)

**Session Classification:** Instrumentation

Contribution ID: 17

Type: **not specified**

## Shintake BSM and gamma detector

*Wednesday, 19 December 2007 17:30 (25 minutes)*

Discussion of testing and planning for Shintake monitor in ATF2; including discussion of gamma detectors

**Presenters:** Mr OROKU, Masahiro (postgraduate); Mr YAMANAKA, Takashi (The University of Tokyo); Dr HONDA, Yosuke (KEK)

**Session Classification:** Instrumentation

Contribution ID: **18**

Type: **not specified**

## **IP-BPM; Progress and Planning**

*Wednesday, 19 December 2007 17:55 (25 minutes)*

Update on testing and planning for IP-BPM in ATF2

**Presenters:** NAKAMURA, Tomoya (Tokyo University); Dr HONDA, Yosuke (KEK)

**Session Classification:** Instrumentation

Contribution ID: 19

Type: **not specified**

## IP Nano-Pattern Target

*Wednesday, 19 December 2007 18:20 (10 minutes)*

Summary of progress and discussion of IP pattern target for ATF2

**Presenter:** Dr HONDA, Yosuke (KEK)

**Session Classification:** Instrumentation

Contribution ID: 20

Type: **not specified**

## **FD support study at Annecy; schedule**

*Thursday, 20 December 2007 15:50 (25 minutes)*

**Presenter:** Dr JEREMIE, Andrea (LAPP)

**Session Classification:** FD support system

Contribution ID: 21

Type: **not specified**

## Shintake monitor support

*Thursday, 20 December 2007 16:15 (25 minutes)*

**Presenter:** Dr KUME, Tatsuya (KEK)

**Session Classification:** FD support system

Contribution ID: 22

Type: **not specified**

## **Monalisa system: status, progress**

*Thursday, 20 December 2007 16:40 (25 minutes)*

**Presenter:** Dr URNER, David (University of Oxford)

**Session Classification:** FD support system

Contribution ID: 23

Type: **not specified**

## Discussion

*Thursday, 20 December 2007 17:05 (15 minutes)*

**Session Classification:** FD support system



Contribution ID: 25

Type: **not specified**

## **Extraction line + Final Focus System beam-based alignment and IP spot-size tuning**

*Wednesday, 19 December 2007 13:50 (15 minutes)*

**Presenter:** Dr WHITE, Glen (SLAC)

**Session Classification:** Commissioning and Tuning (1)

Contribution ID: 26

Type: **not specified**

## **Orbit Control and beam-based feedback in EXT and FFS Studies**

*Wednesday, 19 December 2007 14:05 (15 minutes)*

**Presenter:** Dr WHITE, Glen (SLAC)

**Session Classification:** Commissioning and Tuning (1)

Contribution ID: **30**

Type: **not specified**

## **Status of the new dipoles, sextupoles and modified old QC3 quads**

*Thursday, 20 December 2007 09:00 (50 minutes)*

Recent fabrication progress on several new ATF2 magnets; magnetic measurements of them. Approximate schedule for installation in beamline.

**Presenter:** Dr SPENCER, Cherrill (SLAC)

**Session Classification:** Magnets, movers and magnet installation

Contribution ID: 31

Type: **not specified**

## **Status and plan for the ATF2 magnets installation**

*Thursday, 20 December 2007 09:50 (30 minutes)*

Progress on installation of concrete supports blocks, some magnets and their movers. Plan for future installations.

**Presenter:** Mr SUGAHARA, Ryuhei (KEK)

**Session Classification:** Magnets, movers and magnet installation

Contribution ID: 32

Type: **not specified**

## **Status of magnet movers that have come from SLAC- their controlling system**

*Thursday, 20 December 2007 10:30 (15 minutes)*

Progress report on the development of the controlling system for the magnet movers; schedule for its installation and the movers' installation in the beamline.

**Presenter:** Mr MAY, Justin (SLAC)

**Session Classification:** Magnets, movers and magnet installation

Contribution ID: 33

Type: **not specified**

## **Discussion about installation schedule for all magnets & their supports & movers**

*Thursday, 20 December 2007 10:45 (15 minutes)*

Further discussions about schedules for the completion of magnet fabrication; measurements; transportation of magnets between SLAC, LAPP, KEK; installation in beamline scheduling; coordination with power supplies installation.

**Session Classification:** Magnets, movers and magnet installation

Contribution ID: 43

Type: **not specified**

## **Superconducting Final Focus for ATF2**

*Friday, 21 December 2007 10:00 (20 minutes)*

**Presenter:** B. PARKER

**Session Classification:** Long Term Plan

Contribution ID: 44

Type: **not specified**

## **Permanent magnet Final Focus Quadrupole for ATF2**

*Friday, 21 December 2007 10:20 (20 minutes)*

**Presenter:** Y. IWASHITA

**Session Classification:** Long Term Plan



Contribution ID: 45

Type: **not specified**

## **R&D for photon colliders and related issues at ATF2**

*Friday, 21 December 2007 10:40 (20 minutes)*

**Presenter:** T. TAKAHASHI

**Session Classification:** Long Term Plan

Contribution ID: 46

Type: **not specified**

## Carbon Wire Scanner

*Friday, 21 December 2007 09:00 (5 minutes)*

**Presenter:** MCCORMICK, Doug (SLAC)

**Session Classification:** Installation Schedule

Contribution ID: 47

Type: **not specified**

## Shintake Monitor

*Friday, 21 December 2007 09:05 (5 minutes)*

**Presenter:** Dr KAMIYA, Yoshio (ICEPP, The University of Tokyo)

**Session Classification:** Installation Schedule

Contribution ID: 48

Type: **not specified**

## **IP BPM + Honda monitor**

*Friday, 21 December 2007 09:10 (5 minutes)*

**Presenter:** Dr HONDA, Yosuke (KEK)

**Session Classification:** Installation Schedule

Contribution ID: 49

Type: **not specified**

## FD Table

*Friday, 21 December 2007 09:15 (5 minutes)*

**Presenter:** Dr JEREMIE, Andrea (LAPP)

**Session Classification:** Installation Schedule

Contribution ID: 50

Type: **not specified**

## **S-band BPM production**

*Friday, 21 December 2007 09:20 (5 minutes)*

**Presenter:** KIM, Eunsan

**Session Classification:** Installation Schedule

Contribution ID: 51

Type: **not specified**

## **S-band BPM electronics**

*Friday, 21 December 2007 09:25 (5 minutes)*

**Presenter:** Dr BOOGERT, Stewart (Royal Holloway, University of London)

**Session Classification:** Installation Schedule

Contribution ID: 53

Type: **not specified**

## **Mona Lisa**

*Friday, 21 December 2007 09:30 (5 minutes)*

**Presenter:** Dr URNER, David (University of Oxford)

**Session Classification:** Installation Schedule



Contribution ID: 54

Type: **not specified**

## Laser Wire

*Friday, 21 December 2007 09:35 (5 minutes)*

**Presenter:** Dr HOWELL, David (Oxford)

**Session Classification:** Installation Schedule

Contribution ID: 55

Type: **not specified**

## FONT

*Friday, 21 December 2007 09:40 (5 minutes)*

**Presenter:** Prof. BURROWS, Philip (Oxford University)

**Session Classification:** Installation Schedule

Contribution ID: 56

Type: **not specified**

## **Recent measurements of vibrations of magnets at ATF2.**

*Thursday, 20 December 2007 10:20 (10 minutes)*

**Presenter:** Mr SUGAHARA, Ryuhei (KEK)

**Session Classification:** Magnets, movers and magnet installation

Contribution ID: 57

Type: **not specified**

## **v3.8 optics and answers from homework issues**

*Wednesday, 19 December 2007 11:00 (15 minutes)*

**Presenter:** WOODLEY, Mark (SLAC)

**Session Classification:** Hardware/devices for commissioning

Contribution ID: 58

Type: **not specified**

## **commissioning hardwares and IP configuration**

*Wednesday, 19 December 2007 11:15 (10 minutes)*

**Presenter:** Dr OKUGI, Toshiyuki (KEK)

**Session Classification:** Hardware/devices for commissioning

Contribution ID: 59

Type: **not specified**

## **Proposal of SLAC contribution to the control system software effort**

*Wednesday, 19 December 2007 11:25 (15 minutes)*

**Presenter:** Dr WHITE, Glen (SLAC)

**Session Classification:** Hardware/devices for commissioning

Contribution ID: **60**

Type: **not specified**

## **Discussion of the interactive optics control system for ATF2**

*Wednesday, 19 December 2007 11:40 (20 minutes)*

**Presenter:** ALL

**Session Classification:** Hardware/devices for commissioning

Contribution ID: **61**

Type: **not specified**

## **Goals and things to be decided at the meeting**

*Wednesday, 19 December 2007 09:35 (25 minutes)*

**Presenter:** Dr SERYI, Andrei (SLAC)

**Session Classification:** Introduction



Contribution ID: **62**

Type: **not specified**

## Using TBT data at ATF DR

*Wednesday, 19 December 2007 13:30 (20 minutes)*

**Presenter:** GIANFELICE-WENDT, Eliana (FNAL)

**Session Classification:** Commissioning and Tuning (1)

Contribution ID: **63**

Type: **not specified**

## **ATF2 as a test bench for CLIC BDS tuning, also**

*Wednesday, 19 December 2007 14:20 (20 minutes)*

**Presenter:** Dr TOMAS, Rogelio (CERN)

**Session Classification:** Commissioning and Tuning (1)

Contribution ID: 64

Type: **not specified**

## **Expected ground motion at ATF2 and resulting effects at IP**

*Wednesday, 19 December 2007 14:40 (20 minutes)*

**Presenter:** Mr RENIER, Yves (LAL)

**Session Classification:** Commissioning and Tuning (1)

Contribution ID: 65

Type: **not specified**

## Discussion

*Wednesday, 19 December 2007 15:00 (30 minutes)*

**Presenter:** ALL

**Session Classification:** Commissioning and Tuning (1)

Contribution ID: 66

Type: **not specified**

## **Vertical emittance growth due to non-linearity in the ATF EXT**

*Thursday, 20 December 2007 14:30 (15 minutes)*

**Presenter:** ALABAU, Maria del Carmen (IFIC (Valencia) - LAL (Orsay))

**Session Classification:** Commissioning and Tuning (2)

Contribution ID: 67

Type: **not specified**

## **Emittance measurements with multiple wire-scanners and quadrupole scans**

*Thursday, 20 December 2007 14:45 (20 minutes)*

**Presenters:** Dr RIMBAULT, Cecile (LAL); Dr BROSSARD, Julien (LAL)

**Session Classification:** Commissioning and Tuning (2)

Contribution ID: **68**

Type: **not specified**

## **Intermediate beta configurations at the IP for commissioning and optimisation**

*Thursday, 20 December 2007 15:05 (15 minutes)*

**Presenter:** Ms BAI, Sha (IHEP/LAL)

**Session Classification:** Commissioning and Tuning (2)

Contribution ID: **69**

Type: **not specified**

## Discussion

*Thursday, 20 December 2007 15:20 (10 minutes)*

**Session Classification:** Commissioning and Tuning (2)



Contribution ID: 70

Type: **not specified**

## Power Supply Status and Schedule

*Thursday, 20 December 2007 11:20 (20 minutes)*

Discuss the progress of the dc magnet high availability power supplies and preparation for commissioning.

**Presenter:** LAM, Briant (SLAC)

**Session Classification:** Power supply

Contribution ID: 71

Type: **not specified**

## **Magnetic Field Stability Issue**

*Thursday, 20 December 2007 11:40 (20 minutes)*

**Presenter:** Dr KUMADA, masayuki (nirs)

**Session Classification:** Power supply

Contribution ID: 72

Type: **not specified**

## Greeting

*Wednesday, 19 December 2007 09:30 (5 minutes)*

**Presenter:** Prof. URAKAWA, Junji (KEK)

**Session Classification:** Introduction

Contribution ID: 73

Type: **not specified**

## **CF schedule and re-configuration in summer 2008**

*Wednesday, 19 December 2007 10:00 (40 minutes)*

**Presenter:** TERUNUMA, Nobuhiro (KEK)

**Session Classification:** Conventional facilities and construction schedule

Contribution ID: 74

Type: **not specified**

## Group Photo

*Friday, 21 December 2007 11:01 (4 minutes)*

The place is changed to inside the building since there is too strong sun light outside, i.e. in front of 3-go-kan.