

# **13th ATF2 Project Meeting**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## Goal of the meeting

*Wednesday, 11 January 2012 09:05 (15 minutes)*

**Presenter:** Dr TAUCHI, Toshiaki (KEK)

**Session Classification:** Introduction

Contribution ID: 1

Type: **not specified**

## **BPM system**

*Wednesday, 11 January 2012 09:50 (20 minutes)*

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

**Session Classification:** Instrumentation-1

Contribution ID: 2

Type: **not specified**

## **BPM system : Calibration Stability**

*Wednesday, 11 January 2012 10:10 (10 minutes)*

**Presenter:** Mr CULLINAN, Francis (RHUL)

**Session Classification:** Instrumentation-1

Contribution ID: 3

Type: **not specified**

## **IPBPM study at the upstream**

*Wednesday, 11 January 2012 10:50 (30 minutes)*

**Presenter:** Ms KIM, YOUNGIM (Kyungpook National University)

**Session Classification:** Instrumentation-1

Contribution ID: 4

Type: **not specified**

## **Possilbe feedback by the High Q IPBPM with 2 bunch extraction mode**

*Wednesday, 11 January 2012 11:20 (20 minutes)*

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

**Session Classification:** Instrumentation-1

Contribution ID: 5

Type: **not specified**

## **Multi-OTR system -1**

**Presenter:** Dr FAUS-GOLFE, Angeles (Instituto de Fisica Corpuscular - Valencia)

Contribution ID: 6

Type: **not specified**

## **Multi-OTR system**

*Wednesday, 11 January 2012 09:20 (30 minutes)*

**Presenter:** Mr ALABAU-GONZALVO, Javier (Instituto Física Corpuscular IFIC)

**Session Classification:** Instrumentation-1



Contribution ID: 7

Type: **not specified**

## Alignment status

*Wednesday, 11 January 2012 13:50 (20 minutes)*

**Presenter:** Mr ARAKI, Sakae (KEK)

**Session Classification:** Alignment and DR status

Contribution ID: 8

Type: **not specified**

## DR emittance

*Wednesday, 11 January 2012 14:30 (20 minutes)*

**Presenter:** Dr KURODA, Shigeru (KEK)

**Session Classification:** Alignment and DR status

Contribution ID: 9

Type: **not specified**

## **Beam Based Alignment (BBA) at DR**

*Wednesday, 11 January 2012 14:10 (20 minutes)*

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

**Session Classification:** Alignment and DR status

Contribution ID: **10**

Type: **not specified**

## **IPBSM : Status of beam size measurement**

*Wednesday, 11 January 2012 14:50 (20 minutes)*

Evaluation of possible systematic errors/bias in the measurements

**Presenter:** Ms YAN, Jacqueline (University of Tokyo)

**Session Classification:** Instrumentation-2

Contribution ID: 11

Type: **not specified**

## **IPBSM : Present status of the monitor and the required beam conditions**

*Wednesday, 11 January 2012 15:10 (20 minutes)*

Especially on the 30- and 174 degree modes in order to prepare a measurement of 37nm

**Presenter:** Mr OROKU, Masahiro (Tokyo Univ.)

**Session Classification:** Instrumentation-2

Contribution ID: 12

Type: **not specified**

## Background study

*Wednesday, 11 January 2012 15:30 (20 minutes)*

**Presenters:** GULER, Hayg; Dr VERDERI, Marc (LLR - Ecole polytechnique)

**Session Classification:** Instrumentation-2

Contribution ID: 13

Type: **not specified**

## FONT Status

*Wednesday, 11 January 2012 16:00 (40 minutes)*

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

**Session Classification:** Instrumentation-2

Contribution ID: **14**

Type: **not specified**

## FONT-2



Contribution ID: 15

Type: **not specified**

## **EXT LW -1**

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

Contribution ID: 16

Type: **not specified**

## **Laser wire R&D at the extraction line ( EXT-LW)**

*Wednesday, 11 January 2012 16:40 (30 minutes)*

**Presenter:** Dr CORNER, Laura (JAI, Oxford University)

**Session Classification:** Instrumentation-2

Contribution ID: 17

Type: **not specified**

## Summary of fall 2011 run

*Wednesday, 11 January 2012 17:10 (40 minutes)*

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

**Session Classification:** Beam tuning-1

Contribution ID: **18**

Type: **not specified**

## **EXT tuning**

*Thursday, 12 January 2012 09:00 (30 minutes)*

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

**Session Classification:** Beam tuning-2

Contribution ID: **19**

Type: **not specified**

## **IP tuning**

*Thursday, 12 January 2012 09:30 (30 minutes)*

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

**Session Classification:** Beam tuning-2

Contribution ID: 20

Type: **not specified**

## **Issues to be studied, i.e. difficulties and how to resolve**

*Thursday, 12 January 2012 10:00 (30 minutes)*

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

**Session Classification:** Beam tuning-2

Contribution ID: 21

Type: **not specified**

## **Grid scan as lattice diagnostics**

*Thursday, 12 January 2012 10:50 (20 minutes)*

**Presenter:** RENIER, Yves (CERN)

**Session Classification:** Beam tuning-2

Contribution ID: 22

Type: **not specified**

## **Investigation of waist corrections in the presence of IPBSM fringe rotations and input beam $\sigma_{13}, \sigma_{24}$ at ATF2**

*Thursday, 12 January 2012 11:10 (20 minutes)*

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

**Session Classification:** Beam tuning-2



Contribution ID: 23

Type: **not specified**

## **First attempts with orbit measurement**

*Thursday, 12 January 2012 11:30 (20 minutes)*

**Presenter:** Mr GARCIA MORALES, Hector (CERN)

**Session Classification:** Beam tuning-2

Contribution ID: 24

Type: **not specified**

## **IPBSM : plans and strategy to make the IPBSM operational reliable**

*Friday, 13 January 2012 09:00 (20 minutes)*

First, presenting the plans and strategy to make the IPBSM operational / reliable, also eventually as an automated tool which can be used by everyone in the ATF2 commissioning / operations team. Next, the background issue at the nominal optics should be presented with the expectations and countermeasure, etc. .

**Presenters:** GULER, Hayg; Dr VERDERI, Marc (LLR - Ecole polytechnique); Mr OROKU, Masahiro (Tokyo Univ.)

**Session Classification:** Discussion : the first goal

Contribution ID: 25

Type: **not specified**

## Emittance growth from DR to EXT

*Friday, 13 January 2012 09:20 (1 hour)*

The speaker is actually moderator, who specifies major issues to be discussed and chairs and summarizes this session.

**Presenter:** Dr KUBO, Kiyoshi (KEK)

**Session Classification:** Discussion : the first goal

Contribution ID: 26

Type: **not specified**

## **FF Optics, magnetic material at the final doublet and sensitivity of multipole fields**

*Friday, 13 January 2012 10:50 (30 minutes)*

The speaker is actually moderator, who specifies major issues to be discussed and chairs and summarizes this session.

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

**Session Classification:** Discussion : the first goal

Contribution ID: 27

Type: **not specified**

## **Strategy of beam tuning to reduce the beam size at 37nm**

*Friday, 13 January 2012 11:20 (1h 10m)*

The speaker is actually moderator, who specifies major issues to be discussed and chairs and summarizes this session.

The purpose of this session is to have a consensus on the strategy for goal 1 until the Summer, 2012.

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

**Session Classification:** Discussion : the first goal

Contribution ID: **28**

Type: **not specified**

## **KNU IPBPM electronics**

*Friday, 13 January 2012 13:30 (20 minutes)*

**Presenter:** HEO, Ae-young (KNU)

**Session Classification:** Discussion : the second goal

Contribution ID: 29

Type: **not specified**

## **IPBPM design, production and the beam study plan**

*Friday, 13 January 2012 13:50 (20 minutes)*

**Presenter:** Mr JANG, Siwon (KNU)

**Session Classification:** Discussion : the second goal

Contribution ID: **30**

Type: **not specified**

## **IP chamber design**

*Friday, 13 January 2012 14:10 (20 minutes)*

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

**Session Classification:** Discussion : the second goal



Contribution ID: **31**

Type: **not specified**

## **beam test plan for January - June, 2012**

**Presenter:** Mr JANG, Siwon (KNU)

Contribution ID: 32

Type: **not specified**

## **FONT system for IP feedback**

*Friday, 13 January 2012 14:30 (20 minutes)*

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

**Session Classification:** Discussion : the second goal

Contribution ID: **33**

Type: **not specified**

## Schedule

Including a discussion on the articulation / switch over between high-Q and low-Q IPBPM.

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

Contribution ID: 34

Type: **not specified**

## **Progress on the design of the new high field quality quadrupoles**

*Friday, 13 January 2012 16:10 (30 minutes)*

**Presenter:** Mr VOROZHTSHOV, A. (CERN)

**Session Classification:** CERN contributions

Contribution ID: 35

Type: **not specified**

## **Progress on the feed-forward based on ground motion and special request to operate ATF2 at 6Hz in 2012**

*Friday, 13 January 2012 16:40 (30 minutes)*

**Presenter:** RENIER, Yves (CERN)

**Session Classification:** CERN contributions

Contribution ID: 36

Type: **not specified**

## **CLIC DR extraction kicker and future testing at ATF**

*Friday, 13 January 2012 17:10 (30 minutes)*

Our goal when proposing this talk was to open a discussion whether this test is suitable and interesting for ATF. Just as an illustration of specifications: CLIC DR extraction is specified to have rise and fall times of 700ns with a flattop of 160ns.

**Presenter:** Mr BARNES, Mike (CERN)

**Session Classification:** CERN contributions

Contribution ID: 37

Type: **not specified**

## **Greeting from the ATF spokesman**

*Wednesday, 11 January 2012 09:00 (5 minutes)*

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

**Session Classification:** Introduction

Contribution ID: **38**

Type: **not specified**

## Discussion

*Wednesday, 11 January 2012 11:40 (20 minutes)*

**Presenters:** Dr BOOGERT, Stewart (Royal Holloway, University of London); Dr HONDA, Yosuke (KEK)

**Session Classification:** Instrumentation-1



Contribution ID: 39

Type: **not specified**

## Opening

*Thursday, 12 January 2012 13:30 (10 minutes)*

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

**Session Classification:** 13th ATF TB and SGC meeting

Contribution ID: 40

Type: **not specified**

## **Comptons (KEK/LAL)**

*Thursday, 12 January 2012 13:40 (20 minutes)*

**Presenters:** Mr DIDIER, Jehanno (LAL); Dr OMORI, tsunehiko (KEK)

**Session Classification:** 13th ATF TB and SGC meeting

Contribution ID: 41

Type: **not specified**

## 1-2pm DR emittance R&D

*Thursday, 12 January 2012 14:00 (20 minutes)*

**Presenter:** Dr KUBO, Kiyoshi (KEK)

**Session Classification:** 13th ATF TB and SGC meeting

Contribution ID: 42

Type: **not specified**

## **ATF2 status**

*Thursday, 12 January 2012 14:20 (30 minutes)*

**Presenters:** Dr WHITE, Glen (SLAC); Dr OKUGI, Toshiyuki (KEK)

**Session Classification:** 13th ATF TB and SGC meeting

Contribution ID: 43

Type: **not specified**

## New proposals

*Thursday, 12 January 2012 14:50 (1 hour)*

**Session Classification:** 13th ATF TB and SGC meeting

Contribution ID: 44

Type: **not specified**

## Discussion

*Thursday, 12 January 2012 16:10 (1h 30m)*

**Session Classification:** 13th ATF TB and SGC meeting

Contribution ID: 45

Type: **not specified**

## Summary by the TB chairman

*Thursday, 12 January 2012 17:40 (20 minutes)*

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

**Session Classification:** 13th ATF TB and SGC meeting

Contribution ID: 46

Type: **not specified**

## Optics in the DR

*Wednesday, 11 January 2012 13:30 (20 minutes)*

**Presenter:** Dr KUBO, Kiyoshi (KEK)

**Session Classification:** Alignment and DR status



Contribution ID: 47

Type: **not specified**

## **BPM System : Multi-bunch analysis**

*Wednesday, 11 January 2012 10:20 (10 minutes)*

**Presenter:** Mr JOSHI, Nirav (RHUL)

**Session Classification:** Instrumentation-1

Contribution ID: 48

Type: **not specified**

## Summary

*Friday, 13 January 2012 14:50 (30 minutes)*

**Presenter:** Dr FAUS-GOLFE, Angeles (Instituto de Fisica Corpuscular - Valencia)

**Session Classification:** Summary