

# **FJPPL-FKPPL Workshop on ATF2 Accelerator R&D**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## Material for discussion

*Tuesday, 18 March 2014 14:00 (20 minutes)*

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

**Session Classification:** ILC BDS and IP tuning

Contribution ID: 1

Type: **not specified**

**(no title)**

includes 10 minutes discussion

Contribution ID: 2

Type: **not specified**

**(no title)**

includes 10 minutes discussion

Contribution ID: 3

Type: **not specified**

## discussion

*Tuesday, 18 March 2014 14:20 (1h 40m)*

**Session Classification:** ILC BDS and IP tuning

Contribution ID: 4

Type: **not specified**

**(no title)**

Contribution ID: 5

Type: **not specified**

**(no title)**

Contribution ID: 6

Type: **not specified**

## Discussion and meeting close-out



Contribution ID: 7

Type: **not specified**

## Stability studies based on IP-BSM fringe pattern analysis

*Monday, 17 March 2014 09:10 (20 minutes)*

(remotely)

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

**Session Classification:** ATF2 beam size studies and Goal 1

Contribution ID: 8

Type: **not specified**

## **Review of laser stability improvements and results**

*Monday, 17 March 2014 09:30 (20 minutes)*

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

**Session Classification:** ATF2 beam size studies and Goal 1

Contribution ID: 9

Type: **not specified**

## Beam tuning status

*Monday, 17 March 2014 09:50 (20 minutes)*

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

**Session Classification:** ATF2 beam size studies and Goal 1

Contribution ID: **10**

Type: **not specified**

## **Emittance measurement and wakefield study**

*Monday, 17 March 2014 10:10 (20 minutes)*

Remotely

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

**Session Classification:** ATF2 beam size studies and Goal 1

Contribution ID: **11**

Type: **not specified**

## **Discussion of beam operation schedule for goals 1&2 in April-June**

*Monday, 17 March 2014 11:00 (20 minutes)*

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

**Session Classification:** Plans for Goal 1

Contribution ID: 12

Type: **not specified**

## **Assessment of goal 1 progress and issues to be focused on**

*Monday, 17 March 2014 11:20 (20 minutes)*

(remotely)

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

**Session Classification:** Plans for Goal 1

Contribution ID: **13**

Type: **not specified**

## **Progress in the 4D emittance measurement**

Mark Woodley or Edu Marin?

Contribution ID: **14**

Type: **not specified**

## Discussion towards Goal 1

*Monday, 17 March 2014 11:40 (1 hour)*

All

**Session Classification:** Plans for Goal 1



Contribution ID: 15

Type: **not specified**

## Report on recent diamond sensor testing at LAL

*Monday, 17 March 2014 14:00 (20 minutes)*

**Presenters:** Mr KHVASTUNOV, Illia (University of Kiev); Ms LIU, Shan (LAL)

**Session Classification:** Diamond detector

Contribution ID: **16**

Type: **not specified**

## Progress with halo collimation design

*Wednesday, 19 March 2014 12:00 (20 minutes)*

(especially assessment of wakefield impact)

**Presenter:** FUSTER, Nuria

**Session Classification:** Beam halo studies

Contribution ID: 17

Type: **not specified**

## Halo calculations in ATF DR

remotely

**Presenter:** Ms WANG, Dou (IHEP)

Contribution ID: **18**

Type: **not specified**

## **GEANT4 study of beam tail regeneration at ATF2**

*Wednesday, 19 March 2014 11:40 (20 minutes)*

reminder of result for BDUMP beam pipe, present status of BDSIM for entire beam line

**Presenter:** Mr KHVASTUNOV, Illia (University of Kiev)

**Session Classification:** Beam halo studies

Contribution ID: **19**

Type: **not specified**

## **YAG screen test in ATF2 extraction line for halo measurement**

*Wednesday, 19 March 2014 11:20 (20 minutes)*

remote

**Presenter:** Mr NAITO, Takashi (KEK)

**Session Classification:** Beam halo studies

Contribution ID: 20

Type: **not specified**

## **Analysis of IP-BPM beam based alignment, sensitivity to angle**

*Tuesday, 18 March 2014 09:00 (20 minutes)*

**Presenter:** BLANCO GARCIA, Oscar Roberto (Universite de Paris-Sud 11 (FR), CERN)

**Session Classification:** IP BPM

Contribution ID: 21

Type: **not specified**

## FONT digitisation studies of IPBPMs

*Tuesday, 18 March 2014 09:20 (40 minutes)*

**Presenter:** Mr BLASKOVIC KRALJEVIC, Neven (PhD student)

**Session Classification:** IP BPM

Contribution ID: 22

Type: **not specified**

## **Feedback performance from the upstream (DR and EXT) to the downstream and IP**

**Presenter:** Dr CHRISTIAN, Glenn (John Adams Institute of Accelerator Science, University of Oxford)



Contribution ID: 23

Type: **not specified**

## Beam jitter reconstruction and identification

*Tuesday, 18 March 2014 11:20 (20 minutes)*

**Presenter:** PFINGSTNER, Juergen (CERN)

**Session Classification:** Jitter measurements and reconstruction of sources

Contribution ID: 24

Type: **not specified**

## QF1 jitter studies

*Tuesday, 18 March 2014 11:00 (20 minutes)*

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

**Session Classification:** Jitter measurements and reconstruction of sources

Contribution ID: 25

Type: **not specified**

# Feasibility of the GM feedforward and the future plan

*Tuesday, 18 March 2014 11:40 (20 minutes)*

**Presenter:** PFINGSTNER, Juergen (CERN)

**Session Classification:** Jitter measurements and reconstruction of sources

Contribution ID: 26

Type: **not specified**

## Discussion

*Tuesday, 18 March 2014 12:20 (25 minutes)*

**Session Classification:** Jitter measurements and reconstruction of sources

Contribution ID: 27

Type: **not specified**

## Discussion on synchronisation improuvement

*Tuesday, 18 March 2014 12:00 (20 minutes)*

**Presenter:** PFINGSTNER, Juergen (CERN)

**Session Classification:** Jitter measurements and reconstruction of sources

Contribution ID: 28

Type: **not specified**

## **In situ / lab re-measurement of stability + calibration with interferometer at KEK + re-cabling**

*Wednesday, 19 March 2014 09:00 (20 minutes)*

**Presenter:** Mr WALLON, Sandry (LAL-CNRS)

**Session Classification:** IP Chamber and electronics

Contribution ID: 29

Type: **not specified**

## **review of IP-BPM beam measurements (calibration, resolution, alignment) and of electronics and plan for dealing with internal mechanical alignment of IP-BPMs**

*Wednesday, 19 March 2014 09:20 (30 minutes)*

can we live with existing misalignments, or can we find some re-adjustments, or do we need to refabricate them ?

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

**Session Classification:** IP Chamber and electronics

Contribution ID: 30

Type: **not specified**

## **plan for dealing with internal mechanical alignment of IP-BPMs**

can we live with existing misalignments, or can we find some re-adjustments, or do we need to  
refabricate them ?

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



Contribution ID: **31**

Type: **not specified**

## Coffee break

*Tuesday, 18 March 2014 10:30 (30 minutes)*

Contribution ID: **32**

Type: **not specified**

## Lunch

*Tuesday, 18 March 2014 12:45 (1h 15m)*

Contribution ID: **33**

Type: **not specified**

## Coffee break

*Tuesday, 18 March 2014 16:00 (30 minutes)*

Contribution ID: **34**

Type: **not specified**

## Coffee break

*Monday, 17 March 2014 10:30 (30 minutes)*

Contribution ID: 35

Type: **not specified**

**Lunch**

*Monday, 17 March 2014 12:45 (1h 15m)*

Contribution ID: **36**

Type: **not specified**

## Coffee break

*Monday, 17 March 2014 16:00 (30 minutes)*

Contribution ID: 37

Type: **not specified**

## Welcome, practical matters, introduction

*Monday, 17 March 2014 09:00 (10 minutes)*

Contribution ID: **38**

Type: **not specified**

## Lunch

*Wednesday, 19 March 2014 12:45 (1h 15m)*



Contribution ID: 39

Type: **not specified**

## Workshop Dinner

*Tuesday, 18 March 2014 19:30 (2h 30m)*

Contribution ID: **40**

Type: **not specified**

## Coffee break

*Wednesday, 19 March 2014 10:50 (30 minutes)*

Contribution ID: 41

Type: **not specified**

## **Design and detailed plan for in vacuum diamond sensor for PHIL and ATF2**

*Monday, 17 March 2014 14:20 (20 minutes)*

**Presenter:** Ms LIU, Shan (LAL)

**Session Classification:** Diamond detector

Contribution ID: 42

Type: **not specified**

## Discussion

*Monday, 17 March 2014 14:40 (20 minutes)*

**Session Classification:** Diamond detector

Contribution ID: 44

Type: **not specified**

## **review of specification / requirements for electronics readout of IP-BPMs**

*Wednesday, 19 March 2014 09:50 (20 minutes)*

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

**Session Classification:** IP Chamber and electronics

Contribution ID: 45

Type: **not specified**

## Discussion

*Tuesday, 18 March 2014 10:00 (30 minutes)*

**Session Classification:** IP BPM

Contribution ID: 46

Type: **not specified**

**Close out**

Contribution ID: 47

Type: **not specified**

## Short presentation of LAPP

*Tuesday, 18 March 2014 16:30 (20 minutes)*

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

**Session Classification:** Visit LAPP facilities



Contribution ID: 48

Type: **not specified**

## **Discussion: strategy, immediate/short/long term goals for IP-BPM**

*Wednesday, 19 March 2014 10:10 (20 minutes)*

Program, experimental test goals, new mechanics?...

**Session Classification:** IP Chamber and electronics

Contribution ID: 49

Type: **not specified**

## Halo calculations in ATF DR

**Presenter:** Ms WANG, Dou (IHEP)

Contribution ID: 50

Type: **not specified**

## Halo calculations in ATF DR

*Wednesday, 19 March 2014 10:30 (20 minutes)*

**Presenter:** Ms WANG, Dou (IHEP)

**Session Classification:** Beam halo studies (1st session)