

18th ATF2 Project Meeting

Report of Contributions

Contribution ID: 0

Type: **not specified**

Summary

Contribution ID: 1

Type: **not specified**

Greeting

Contribution ID: 2

Type: **not specified**

Meeting goal

Contribution ID: **3**

Type: **not specified**

IPBSM-1 :

Contribution ID: 4

Type: **not specified**

IPBSM-2 :

Contribution ID: 5

Type: **not specified**

IPBPM-1 :

Contribution ID: 6

Type: **not specified**

IPBPM-2 :

Contribution ID: 7

Type: **not specified**

LINAC and DR systems including the YAG screen

Presenter: Mr NAITO, Takashi (KEK)

Contribution ID: 8

Type: **not specified**

Alignment at the DR, EXT and FF beam lines

Presenter: Mr ARAKI, Sakae (KEK)

Contribution ID: 9

Type: **not specified**

Discusson of next week operation schedule

Presenter: Dr KUBO, Kiyoshi (KEK)

Contribution ID: **10**

Type: **not specified**

Discussion of the priority and schedule about ATF2 goal 1 study in this year

Presenter: Dr OKUGI, Toshiyuki (KEK)

Contribution ID: **11**

Type: **not specified**

DR studies

Contribution ID: **12**

Type: **not specified**

Jitter studies

Contribution ID: **13**

Type: **not specified**

Halo measurements

Contribution ID: **14**

Type: **not specified**

Extraction line

Contribution ID: **15**

Type: **not specified**

Final focus line

Contribution ID: 16

Type: **not specified**

Simulation of the wakefield effect

Presenter: Dr LYAPIN, Alexey (John Adams Institute at Royal Holloway, University of London)

Contribution ID: 17

Type: **not specified**

Review of the emittance growth

Presenter: Dr KURODA, Shigeru (KEK)

Contribution ID: **18**

Type: **not specified**

Effect of longitudinal Wake

Presenter: Dr KUBO, Kiyoshi (KEK)

Contribution ID: **19**

Type: **not specified**

Review of the wakefield studies

Presenter: Dr KUBO, Kiyoshi (KEK)

Contribution ID: 20

Type: **not specified**

Discussion : study/mitigation plan

Contribution ID: **21**

Type: **not specified**

Progress reports

Contribution ID: **22**

Type: **not specified**

Proposals

Contribution ID: **23**

Type: **not specified**

Summary

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

Contribution ID: 24

Type: **not specified**

IPBPM / IP chamber / movers

Presenters: BLANCO GARCIA, Oscar Roberto (Universite de Paris-Sud 11 (FR), CERN); Mr JANG, Siwon (KNU)

Contribution ID: 25

Type: **not specified**

IP feedback - status of FONT and plan

Presenter: Prof. BURROWS, Philip (Oxford University)

Contribution ID: 26

Type: **not specified**

Discussion of collaboration

Presenters: Prof. KIM, Eun-San (Kyungpook National Univ.); BAMBADE, Philip (Laboratoire de l'Accelérateur Lineaire (LAL) (IN2P3) (LAL)); Prof. BURROWS, Philip (Oxford University)

Contribution ID: 27

Type: **not specified**

PoP experiment on beam loading for truly conventional positron source at ATF injector

Proposal to the Technical Board, 20 minutes + 10 minutes questions

Presenter: Prof. URAKAWA, Junji (KEK)

Contribution ID: **28**

Type: **not specified**

2-bunch tuning studies

Presenter: Dr WHITE, Glen (SLAC)

Contribution ID: 29

Type: **not specified**

Discussion of projects and priorities

Contribution ID: **30**

Type: **not specified**

Status and plan of the KNU electronics

Thursday 26 February 2015 09:00 (20 minutes)

Presenter: Mr JANG, Siwon (KNU)

Session Classification: 2nd goal, ultra low beta optics and future plan

Contribution ID: **31**

Type: **not specified**

IPBPMS as the IP jitter monitor

Thursday 26 February 2015 09:30 (20 minutes)

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

Session Classification: 2nd goal, ultra low beta optics and future plan

Contribution ID: 32

Type: **not specified**

Issues for the nanometer resolution

Thursday 26 February 2015 09:50 (20 minutes)

Presenters: Dr CHRISTIAN, Glenn (John Adams Institute of Accelerator Science, University of Oxford); Mr BLASKOVIC KRALJEVIC, Neven (Oxford University); Mr JANG, Siwon (KNU)

Session Classification: 2nd goal, ultra low beta optics and future plan

Contribution ID: 33

Type: **not specified**

Plan in next fiscal year, especially April to June 2015

Thursday 26 February 2015 10:10 (20 minutes)

Presenters: Mr BLASKOVIC KRALJEVIC, Neven (Oxford University); BLANCO GARCIA, Oscar Roberto (Universite de Paris-Sud 11 (FR), CERN); Mr JANG, Siwon (KNU)

Session Classification: 2nd goal, ultra low beta optics and future plan

Contribution ID: 34

Type: **not specified**

ATF2 Ground Motion Study

Tuesday 24 February 2015 14:40 (20 minutes)

Presenter: PATECKI, Marcin (Warsaw University of Technology (PL))

Session Classification: Status of beam tuning for 37nm beam (Goal-1)

Contribution ID: 35

Type: **not specified**

Discussion for ATF2 magnet support

Tuesday 24 February 2015 15:00 (45 minutes)

Presenters: Dr JEREMIE, Andrea (LAPP); Mr ARAKI, Sakae (KEK)

Session Classification: Status of beam tuning for 37nm beam (Goal-1)

Contribution ID: **36**

Type: **not specified**

IP-BSM - Two bunch operation

Tuesday 24 February 2015 16:15 (20 minutes)

Presenter: Mr KANO, Yuya (University of Tokyo)

Session Classification: Status of beam tuning for 37nm beam (Goal-1)

Contribution ID: 37

Type: **not specified**

C-band BPM update for 2 bunch operation

Tuesday 24 February 2015 16:35 (20 minutes)

Presenter: Dr LYAPIN, Alexey (John Adams Institute at Royal Holloway, University of London)

Session Classification: Status of beam tuning for 37nm beam (Goal-1)

Contribution ID: **38**

Type: **not specified**

Discussion of priority and schedule for Goal 1 study

Tuesday 24 February 2015 17:15 (45 minutes)

Session Classification: Status of beam tuning for 37nm beam (Goal-1)

Contribution ID: 39

Type: **not specified**

EXT/DR alignment

Tuesday 24 February 2015 09:30 (25 minutes)

Presenter: Mr ARAKI, Sakae (KEK)

Session Classification: DR/EXT alignment, hardware updates and instrumentations

Contribution ID: 40

Type: **not specified**

Review and updated studies on Wakefield

Wednesday 25 February 2015 09:00 (40 minutes)

Presenters: Dr LYAPIN, Alexey (John Adams Institute at Royal Holloway, University of London); SNU-
VERINK, Jochem (RHUL)

Session Classification: Brainstorming for the nominal beam intensity operation

Contribution ID: 41

Type: **not specified**

Brief Review of past wakefield studies

Wednesday 25 February 2015 09:40 (20 minutes)

Presenter: Dr KUBO, Kiyoshi (KEK)

Session Classification: Brainstorming for the nominal beam intensity operation

Contribution ID: 42

Type: **not specified**

Simulation of IP beam size with orbit jitter + wakefield

Wednesday 25 February 2015 10:00 (30 minutes)

Presenter: Dr KUBO, Kiyoshi (KEK)

Session Classification: Brainstorming for the nominal beam intensity operation

Contribution ID: 43

Type: **not specified**

Wake Free Steering

Wednesday 25 February 2015 11:00 (30 minutes)

Presenter: Dr LATINA, Andrea (CERN)

Session Classification: Brainstorming for the nominal beam intensity operation

Contribution ID: 44

Type: **not specified**

EXT/FF Orbit analysis (intensity dependence)

Wednesday 25 February 2015 11:30 (15 minutes)

Presenter: Dr KUBO, Kiyoshi (KEK)

Session Classification: Brainstorming for the nominal beam intensity operation

Contribution ID: 45

Type: **not specified**

Bunch tilt monitor using IPBPM?

Wednesday 25 February 2015 11:45 (15 minutes)

Presenter: Dr KUBO, Kiyoshi (KEK)

Session Classification: Brainstorming for the nominal beam intensity operation

Contribution ID: 46

Type: **not specified**

Alignment survey of previous IPBPMs

Thursday 26 February 2015 09:20 (10 minutes)

Presenter: Mr WALLON, Sandry (LAL-CNRS)

Session Classification: 2nd goal, ultra low beta optics and future plan

Contribution ID: 47

Type: **not specified**

CLIC plans to increase L^* and possible studies in ATF2

Thursday 26 February 2015 11:00 (20 minutes)

Presenter: Mr PLASSARD, Fabien (IPSA - Polytechnic Institute of Advanced Sciences, Paris (FR))

Session Classification: 2nd goal, ultra low beta optics and future plan

Contribution ID: 48

Type: **not specified**

Status and future plan of the ultra-low beta optics study

Thursday 26 February 2015 11:20 (20 minutes)

Presenter: PATECKI, Marcin (Warsaw University of Technology (PL))

Session Classification: 2nd goal, ultra low beta optics and future plan

Contribution ID: 49

Type: **not specified**

Status of octupole construction and a possible schedule

Thursday 26 February 2015 11:40 (20 minutes)

Presenter: MODENA, Michele

Session Classification: 2nd goal, ultra low beta optics and future plan

Contribution ID: 50

Type: **not specified**

Alignment and location of the octupole

Thursday 26 February 2015 12:00 (20 minutes)

Presenter: MAINAUD DURAND, Helene

Session Classification: 2nd goal, ultra low beta optics and future plan

Contribution ID: 51

Type: **not specified**

Comments from ATF

Thursday 26 February 2015 12:30 (10 minutes)

Presenters: TERUNUMA, Nobuhiro (KEK); Mr ARAKI, Sakae (KEK)

Session Classification: 2nd goal, ultra low beta optics and future plan

Contribution ID: 52

Type: **not specified**

Beam jitter analysis

Tuesday 24 February 2015 14:20 (20 minutes)

Presenter: Dr KUBO, Kiyoshi (KEK)

Session Classification: Status of beam tuning for 37nm beam (Goal-1)

Contribution ID: 53

Type: **not specified**

ATF Cooling Water Temperature

Tuesday 24 February 2015 14:00 (20 minutes)

Presenter: Dr OKUGI, Toshiyuki (KEK)

Session Classification: Status of beam tuning for 37nm beam (Goal-1)

Contribution ID: 54

Type: **not specified**

Beam Tuning Simulation (10x1 and 10x0.25 optics)

Tuesday 24 February 2015 16:55 (20 minutes)

Presenter: Dr OKUGI, Toshiyuki (KEK)

Session Classification: Status of beam tuning for 37nm beam (Goal-1)

Contribution ID: 55

Type: **not specified**

Discussion -plans in this year, „-

Wednesday 25 February 2015 12:00 (30 minutes)

Session Classification: Brainstorming for the nominal beam intensity operation

Contribution ID: 56

Type: **not specified**

Status of post-IP diamond sensor project for beam core and halo measurements

Tuesday 24 February 2015 10:20 (25 minutes)

Presenter: Ms LIU, Shan (LAL)

Session Classification: DR/EXT alignment, hardware updates and instrumentations

Contribution ID: 57

Type: **not specified**

Discussion

Tuesday 24 February 2015 11:15 (20 minutes)

Session Classification: DR/EXT alignment, hardware updates and instrumentations

Contribution ID: 58

Type: **not specified**

ATF2 Operational Status

Wednesday 25 February 2015 14:00 (25 minutes)

Presenter: TERUNUMA, Nobuhiro (KEK)

Session Classification: 18th TB/SGC Meeting

Contribution ID: 59

Type: **not specified**

Progress towards 37nm and beyond to 20nm @ low-charge

Wednesday 25 February 2015 14:30 (20 minutes)

Presenter: Dr OKUGI, Toshiyuki (KEK)

Session Classification: 18th TB/SGC Meeting

Contribution ID: **60**

Type: **not specified**

Orbit Stabilization

Wednesday 25 February 2015 14:55 (20 minutes)

Presenter: Dr LATINA, Andrea (CERN)

Session Classification: 18th TB/SGC Meeting

Contribution ID: 61

Type: **not specified**

Bunch-bunch feedback and IP beam stabilization

Wednesday 25 February 2015 15:20 (20 minutes)

Presenters: Dr CHRISTIAN, Glenn (John Adams Institute of Accelerator Science, University of Oxford); Prof. BURROWS, Philip (Oxford University)

Session Classification: 18th TB/SGC Meeting

Contribution ID: **62**

Type: **not specified**

High charge operation (status towards Goal 3)

Wednesday 25 February 2015 16:15 (20 minutes)

Presenter: Dr KUBO, Kiyoshi (KEK)

Session Classification: 18th TB/SGC Meeting

Contribution ID: **63**

Type: **not specified**

Background characterization and reduction

Wednesday 25 February 2015 16:40 (35 minutes)

Presenters: Mrs FUSTER, Nuria (IFIC); FUSTER MARTINEZ, Nuria; Ms LIU, Shan (LAL)

Session Classification: 18th TB/SGC Meeting

Contribution ID: 64

Type: **not specified**

Diagnostics development

Wednesday 25 February 2015 17:20 (35 minutes)

Presenter: Dr KARATAEV, Pavel (Royal Holloway, University of London)

Session Classification: 18th TB/SGC Meeting

Contribution ID: 65

Type: **not specified**

Modeling of diamond sensor signal formation in extreme conditions

Tuesday 24 February 2015 09:55 (25 minutes)

Presenter: KUBYTSKYI, Viacheslav (LAL/IN2P3/CNRS)

Session Classification: DR/EXT alignment, hardware updates and instrumentations

Contribution ID: **66**

Type: **not specified**

Plans for active feedforward based on ground motion

Thursday 26 February 2015 12:20 (10 minutes)

Presenter: BETT, Douglas Robert (CERN)

Session Classification: 2nd goal, ultra low beta optics and future plan