

Nanobeam 2008 Workshop

Report of Contributions

Contribution ID: 0

Type: **not specified**

Review of Nanobeam-2005

Monday, 26 May 2008 10:15 (45 minutes)

Presenter: Prof. URAKAWA, Junji (KEK)

Session Classification: Overview and Introductions // ATF2 project meeting

Contribution ID: 1

Type: **not specified**

Design of ILC Beam Delivery and ATF2

Monday, 26 May 2008 11:00 (45 minutes)

Presenter: Dr SERYI, Andrei (SLAC)

Session Classification: Overview and Introductions // ATF2 project meeting

Contribution ID: 2

Type: **not specified**

ILC detectors and detector view of Machine Detector Interface issues

Monday, 26 May 2008 14:00 (45 minutes)

Presenter: Dr SETTLES, Ron (Max-Planck-Institut fuer Physik)

Session Classification: Overview // Lasers and Linear Colliders

Contribution ID: 3

Type: **not specified**

ATF experimental program and ATF2 construction status

Monday, 26 May 2008 11:45 (45 minutes)

Presenter: Dr TAUCHI, Toshiaki (KEK)

Session Classification: Overview and Introductions // ATF2 project meeting

Contribution ID: 4

Type: **not specified**

Optical cavity R&D for photon colliders

Monday, 26 May 2008 15:45 (45 minutes)

Presenter: Dr TAKAHASHI, Tohru Takahashi (Hiroshima University)

Session Classification: Overview // Lasers and Linear Colliders

Contribution ID: 5

Type: **not specified**

Laser-Plasma Accelerators: Production Of High-Current Ultra-Short e-Beams, Beam Control and Radiation Generation

Monday, 26 May 2008 14:45 (45 minutes)

Presenter: KOSTYUKOV, Igor (IAP/RAS, Nizhny Novgorod)

Session Classification: Overview // Lasers and Linear Colliders

Contribution ID: 6

Type: **not specified**

Laser cooling of electron beams

Monday, 26 May 2008 16:30 (45 minutes)

Presenter: Prof. TELNOV, Valery (Budker INP, Novosibirsk)

Session Classification: Overview // Lasers and Linear Colliders

Contribution ID: 7

Type: **not specified**

Status of Novosibirsk FEL and ERL

Monday, 26 May 2008 17:15 (45 minutes)

Presenter: VINOKUROV, Nikolay ((Budker INP, Novosibirsk))

Session Classification: Overview // Lasers and Linear Colliders

Contribution ID: 8

Type: **not specified**

BINP Capacitive And Ultrasonic Hydrostatic Level Sensors For Slow Ground Motion Study And Precise Accelerator Alignment, Andrey Chupyra (BINP)

Tuesday, 27 May 2008 14:50 (40 minutes)

Presenter: CHUPYRA, Andrey (Budker INP, Novosibirsk)

Session Classification: ATF2 Project meeting // Nanometer beams and stability

Contribution ID: 9

Type: **not specified**

Techniques to approach the requirements of CLIC stability

Tuesday, 27 May 2008 15:30 (40 minutes)

Presenter: CAPATINA, Ofelia

Session Classification: ATF2 Project meeting // Nanometer beams and stability

Contribution ID: **10**

Type: **not specified**

Study Of Vibrations And Stabilization At The Sub-Nanometre Scale For CLIC Final Doublets

Thursday, 29 May 2008 10:00 (45 minutes)

Presenter: Mr BOLZON, Benoit (LAPP)

Session Classification: Accelerator technology

Contribution ID: 11

Type: **not specified**

Positron source and liquid target R&D at BINP

Wednesday, 28 May 2008 09:00 (30 minutes)

Presenter: LOGATCHOV, Pavel (Budker INP, Novosibirsk)

Session Classification: Advanced e+ source // Crystal channeling and applications

Contribution ID: 12

Type: **not specified**

Laser Compton based positron source

Wednesday, 28 May 2008 09:30 (30 minutes)

Presenter: Dr OMORI, tsunehiko (KEK)

Session Classification: Advanced e+ source // Crystal channeling and applications

Contribution ID: 13

Type: **not specified**

New positron source at the KEKB injector linac based on oriented tungsten crystal converter

Wednesday, 28 May 2008 10:30 (30 minutes)

Presenter: TROPIN, Igor (TPU, Tomsk)

Session Classification: Advanced e+ source // Crystal channeling and applications

Contribution ID: 14

Type: **not specified**

Crystal Collimation as an Option for the ILC (via Webex)

Presenter: BIRYUKOV, Valery (IHEP, Protvino)

Contribution ID: 15

Type: **not specified**

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Contribution ID: 16

Type: **not specified**

Crystal channeling for electron/position beams

Wednesday, 28 May 2008 11:20 (30 minutes)

Presenter: Dr TAKAHASHI, Tohru Takahashi (Hiroshima University)

Session Classification: Advanced e+ source // Crystal channeling and applications

Contribution ID: 17

Type: **not specified**

Feasibility Study Of Nanosecond Pulsed Operation Mode For An Ultra-Low Energy Storage Ring At FAIR

Presenter: PAPASH, Alexander (JINR, Dubna)

Contribution ID: **18**

Type: **not specified**

Coherence of Charge Oscillation and Emittance Compensation

Thursday, 29 May 2008 09:00 (30 minutes)

Presenter: MIGINSKY, Sergey (Budker INP, Novosibirsk)

Session Classification: Accelerator technology

Contribution ID: 19

Type: **not specified**

Emission of low-energy photons at the ILC collider

Thursday, 29 May 2008 09:30 (30 minutes)

Presenter: SERBO, Valery (NSU, Novosibirsk)

Session Classification: Accelerator technology

Contribution ID: 20

Type: **not specified**

Electron Beam as High Frequency Wide Band Electrostatic 3D Kicker

Thursday, 29 May 2008 14:00 (30 minutes)

Presenter: IVANOV, Andrey (Budker INP, Novosibirsk)

Session Classification: Accelerator technology

Contribution ID: 21

Type: **not specified**

Emittance Compensation in Non-Circular-Symmetrical Beamlines

Thursday, 29 May 2008 13:30 (30 minutes)

Presenter: MIGINSKY, Sergey (Budker INP, Novosibirsk)

Session Classification: Accelerator technology

Contribution ID: 22

Type: **not specified**

Spatial resolution of non-invasive beam profile monitor based on optical diffraction radiation

Thursday, 29 May 2008 11:10 (35 minutes)

Presenter: POTYLITSYN, Alexander (TPU, Tomsk)

Session Classification: Accelerator technology

Contribution ID: 23

Type: **not specified**

Project Of A New Hard X-Ray Source For Siberian Synchrotron Radiation Center

Thursday, 29 May 2008 15:50 (45 minutes)

Presenter: ZOLOTAREV, Konstantin (Budker INP, Novosibirsk)

Session Classification: Accelerator technology

Contribution ID: 24

Type: **not specified**

Survey of Superconducting Insertion Devices in Budker INP

Thursday, 29 May 2008 16:35 (45 minutes)

Presenter: MEZENTSEV, Nikolai (Budker INP, Novosibirsk)

Session Classification: Accelerator technology

Contribution ID: 25

Type: **not specified**

Focusing of ion beams by means of tapered glass capillary optics, Andrei Lagutin (Belarussian State University, Minsk)

Contribution ID: 26

Type: **not specified**

ILC Ring to Main Linac system design

Tuesday, 27 May 2008 16:10 (40 minutes)

Presenter: Dr SOLYAK, Nikolay (FNAL)

Session Classification: ATF2 Project meeting // Nanometer beams and stability

Contribution ID: 27

Type: **not specified**

Installation and alignment in the ATF2 beam line (via Webex)

Tuesday, 27 May 2008 09:00 (20 minutes)

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

Session Classification: ATF2 project meeting

Contribution ID: 28

Type: **not specified**

Magnet movers and QBPMs status (via Webex)

Tuesday, 27 May 2008 09:20 (20 minutes)

Presenter: MCCORMICK, Doug (SLAC)

Session Classification: ATF2 project meeting

Contribution ID: 29

Type: **not specified**

High Availability-Power Supplies installation and test status (via Webex)

Tuesday, 27 May 2008 09:40 (20 minutes)

Presenter: LAM, Briant (SLAC)

Session Classification: ATF2 project meeting

Contribution ID: **30**

Type: **not specified**

Flight simulator tests – status (via Webex)

Tuesday, 27 May 2008 10:00 (20 minutes)

Presenter: Dr WHITE, Glen (SLAC)

Session Classification: ATF2 project meeting

Contribution ID: **31**

Type: **not specified**

BSM/IPBPM and S-band BPMs (via Webex)

Tuesday, 27 May 2008 10:40 (20 minutes)

Presenter: Prof. KIM, Eun-San (Kyungpook National Univ.)

Session Classification: ATF2 project meeting

Contribution ID: **32**

Type: **not specified**

Permanent magnet Final Doublet for ATF2

Tuesday, 27 May 2008 13:30 (20 minutes)

Presenter: Dr IWASHITA, yoshihisa (Kyoto Univ.)

Session Classification: ATF2 Project meeting // Nanometer beams and stability

Contribution ID: 33

Type: **not specified**

SC FD for ATF2 (via Webex)

Tuesday, 27 May 2008 11:10 (20 minutes)

Presenter: Dr PARKER, Brett (BNL)

Session Classification: ATF2 project meeting

Contribution ID: **34**

Type: **not specified**

Final Doublet integration

Wednesday, 28 May 2008 15:00 (20 minutes)

Presenters: Dr JEREMIE, Andrea (LAPP); Mr BOLZON, Benoit (LAPP)

Session Classification: ATF2 Project meeting, Wed. session

Contribution ID: 35

Type: **not specified**

**Commissioning strategy and tools discussion T.
Okugi (lead) and, F.Zimmermann, M.Woodley,
D.McCormick, et al (via Webex)**

Tuesday, 27 May 2008 12:10 (20 minutes)

Presenter: Dr OKUGI, Toshiyuki (KEK)

Session Classification: ATF2 project meeting

Contribution ID: 36

Type: **not specified**

Laser Wires (via Webex)

Tuesday, 27 May 2008 11:50 (20 minutes)

Presenters: Dr ARYSHEV, Alexander (RHUL); Dr BLAIR, Grahame (Royal Holloway)

Session Classification: ATF2 project meeting

Contribution ID: 37

Type: **not specified**

Feedback/feedforward system (via Webex)

Wednesday, 28 May 2008 14:20 (20 minutes)

Presenter: Prof. BURROWS, Philip (Oxford University)

Session Classification: ATF2 Project meeting, Wed. session

Contribution ID: **38**

Type: **not specified**

Upgrade of ring BPMs and tests (via Webex)

Tuesday, 27 May 2008 14:10 (20 minutes)

Presenter: Mr WENDT, Manfred (Fermilab)

Session Classification: ATF2 Project meeting // Nanometer beams and stability

Contribution ID: 39

Type: **not specified**

Monalisa status (via Webex)

Wednesday, 28 May 2008 15:20 (20 minutes)

Presenter: Dr URNER, David (University of Oxford)

Session Classification: ATF2 Project meeting, Wed. session

Contribution ID: 40

Type: **not specified**

Remote participation – hardware at KEK – N.Terunuma and comments on experience from participants – M.Wendt, M.Woodley, et al (via Webex)

Tuesday, 27 May 2008 13:50 (20 minutes)

Presenter: TERUNUMA, Nobuhiro (KEK)

Session Classification: ATF2 Project meeting // Nanometer beams and stability

Contribution ID: 41

Type: **not specified**

Discuss strategy of scheduling the ATF2 and ATF commissioning and experiments

Contribution ID: 42

Type: **not specified**

Opening of the workshop

Monday, 26 May 2008 10:00 (15 minutes)

Session Classification: Overview and Introductions // ATF2 project meeting

Contribution ID: 43

Type: **not specified**

Extraction line emittance studies (via Webex)

Tuesday, 27 May 2008 16:50 (40 minutes)

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

Session Classification: ATF2 Project meeting // Nanometer beams and stability

Contribution ID: 44

Type: **not specified**

Updates on Shinkake monitor status (via Webex)

Wednesday, 28 May 2008 14:00 (20 minutes)

Presenter: Mr YAMANAKA, Takashi (The University of Tokyo)

Session Classification: ATF2 Project meeting, Wed. session

Contribution ID: 45

Type: **not specified**

Final doublet magnets (via Webex)

Tuesday, 27 May 2008 11:30 (20 minutes)

Presenter: Dr SPENCER, Cherrill (SLAC)

Session Classification: ATF2 project meeting

Contribution ID: 46

Type: **not specified**

Present status of KEKB positron source

Wednesday, 28 May 2008 10:00 (30 minutes)

Presenter: KAMITANI, Takuya (KEK)

Session Classification: Advanced e+ source // Crystal channeling and applications

Contribution ID: 47

Type: **not specified**

Optics layout of the ATF2 Feedback/Feedforward system (via Webex)

Wednesday, 28 May 2008 14:40 (20 minutes)

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

Session Classification: ATF2 Project meeting, Wed. session

Contribution ID: 48

Type: **not specified**

Interaction Region Interface Document

Thursday, 29 May 2008 15:00 (30 minutes)

Presenter: Dr SERYI, Andrei (SLAC)

Session Classification: Accelerator technology

Contribution ID: 49

Type: **not specified**

Electron Beam Probe for ILC

Thursday, 29 May 2008 11:45 (35 minutes)

Presenter: MALYUTIN, Dmitriy (BINP SB RAS, Novosibirsk)

Session Classification: Accelerator technology

Contribution ID: 50

Type: **not specified**

Discussion of commissioning and scheduling strategy

Wednesday, 28 May 2008 13:30 (30 minutes)

Session Classification: ATF2 Project meeting, Wed. session

Contribution ID: 51

Type: **not specified**

ATF2 optics updates

Tuesday, 27 May 2008 10:20 (20 minutes)

Presenter: WOODLEY, Mark (SLAC)

Session Classification: ATF2 project meeting

Contribution ID: 52

Type: **not specified**

Power saving accelerator

Thursday, 29 May 2008 14:30 (30 minutes)

Presenter: Dr KUMADA, masayuki (nirs)

Session Classification: Accelerator technology

Contribution ID: 53

Type: **not specified**

On the use of ERL for gamma production

Wednesday, 28 May 2008 11:50 (30 minutes)

Presenter: Prof. VINOKUROV, Nikolay (Budker INP)

Session Classification: Advanced e+ source // Crystal channeling and applications