

POSIPOL 2012

Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome and introduction

Contribution ID: 1

Type: **not specified**

Physics with polarized beams in the light of LHC results

Tuesday, September 4, 2012 9:20 AM (25 minutes)

Presenter: BERGGREN, Mikael (DESY Hamburg)

Session Classification: Physics and status of accelerator projects and experiments (1)

Contribution ID: 2

Type: **not specified**

The Linear Collider Projects

Tuesday, September 4, 2012 9:45 AM (25 minutes)

Presenter: Dr OMORI, tsunehiko (KEK)

Session Classification: Physics and status of accelerator projects and experiments (1)

Contribution ID: 3

Type: **not specified**

ILC e+ source status/ general status

Tuesday, September 4, 2012 10:10 AM (30 minutes)

Presenter: GAI, Wei (ANL)

Session Classification: Physics and status of accelerator projects and experiments (1)

Contribution ID: 4

Type: **not specified**

CLIC status (including injectors)

Tuesday, September 4, 2012 11:00 AM (30 minutes)

Presenter: DOEBERT, Steffen

Session Classification: Physics and status of accelerator projects and experiments (1)

Contribution ID: 5

Type: **not specified**

LHeC

Tuesday, September 4, 2012 11:30 AM (30 minutes)

Presenters: BAILEY, Ian (University of Liverpool); RINOLFI, Louis (CERN)

Session Classification: Physics and status of accelerator projects and experiments (1)

Contribution ID: 6

Type: **not specified**

SuperB

Tuesday, September 4, 2012 4:40 PM (30 minutes)

Presenter: Dr DADOON, Olivier (LAL Orsay)

Session Classification: Status of accelerator projects and experiments (2)

Contribution ID: 7

Type: **not specified**

SuperKEKB e+ source (webex)

Tuesday, September 4, 2012 12:00 PM (30 minutes)

Presenter: Dr KAMITANI, Takuya (KEK)

Session Classification: Physics and status of accelerator projects and experiments (1)

Contribution ID: 8

Type: **not specified**

FLASH

Tuesday, September 4, 2012 2:00 PM (35 minutes)

Presenter: Dr VOGT, Mathias (DESY)

Session Classification: Status of accelerator projects and experiments (2)

Contribution ID: 9

Type: **not specified**

PEPPo Status, preliminary measurements

Tuesday, September 4, 2012 3:10 PM (35 minutes)

Presenter: GRAMES, Joe (JLab)

Session Classification: Status of accelerator projects and experiments (2)

Contribution ID: 10

Type: **not specified**

Polarized beams and projects at MAMI

Tuesday, September 4, 2012 2:35 PM (35 minutes)

Presenter: Prof. AULENBACHER, Kurt (Uni Mainz)

Session Classification: Status of accelerator projects and experiments (2)

Contribution ID: 11

Type: **not specified**

RF helical undulator and its application to polarized positron production

Tuesday, September 4, 2012 4:05 PM (35 minutes)

Presenter: Prof. TANTAWI, Sami (SLAC)

Session Classification: Status of accelerator projects and experiments (2)

Contribution ID: 12

Type: **not specified**

ILC/CLIC undulator simulation studies, LHeC thoughts

Wednesday, September 5, 2012 9:00 AM (25 minutes)

Presenter: JENKINS, Mike (Lancaster University / Cockcroft Institute)

Session Classification: Undulator sources & source modelling

Contribution ID: 13

Type: **not specified**

ILC Target prototyp developments (by webex)

Wednesday, September 5, 2012 9:50 AM (25 minutes)

Presenter: Dr GRONBERG, Jeff (LLNL)

Session Classification: Undulator sources & source modelling

Contribution ID: 14

Type: **not specified**

Flux concentrator prototyping (by webex)

Wednesday, September 5, 2012 10:15 AM (25 minutes)

Presenter: Dr GRONBERG, Jeff (LLNL)

Session Classification: Undulator sources & source modelling

Contribution ID: 15

Type: **not specified**

Update on eddy currents

Wednesday, September 5, 2012 9:25 AM (25 minutes)

Presenter: BAILEY, Ian (University of Liverpool)

Session Classification: Undulator sources & source modelling

Contribution ID: 16

Type: **not specified**

Target remote handling

Wednesday, September 5, 2012 11:00 AM (25 minutes)

Presenters: GAI, Wei (ANL); Prof. JIA, Xuejun (Institute of Physics, CAS)

Session Classification: Undulator sources & source modelling

Contribution ID: 17

Type: **not specified**

ILC source modeling up to 1 TeV

Wednesday, September 5, 2012 11:25 AM (25 minutes)

Presenter: Dr USHAKOV, Andriy (University of Hamburg)

Session Classification: Undulator sources & source modelling

Contribution ID: **18**

Type: **not specified**

Upgrade to high ILC energies (webex)

Wednesday, September 5, 2012 12:15 PM (25 minutes)

Presenter: LIU, Wanming (Argonne National Lab)

Session Classification: Undulator sources & source modelling

Contribution ID: 19

Type: **not specified**

Resonant depolarization in the ILC damping ring with RF dipoles

Thursday, September 6, 2012 9:00 AM (20 minutes)

Presenter: Mr KOVALENKO, Valentyn (University of Hamburg/DESY)

Session Classification: Positron polarisation, spin manipulation, polarimetry

Contribution ID: 20

Type: **not specified**

Photon collimator design

Wednesday, September 5, 2012 11:50 AM (25 minutes)

Presenter: Dr STAUFENBIEL, Friedrich (DESY Zeuthen)

Session Classification: Undulator sources & source modelling

Contribution ID: 21

Type: **not specified**

Heat load and stress wave development in targets

Presenter: Mr ADEYEMI, Olufemi (University of Hamburg and DESY)

Contribution ID: 22

Type: **not specified**

Granular vs compact positron converters: advantages and application to hybrid sources

Thursday, September 6, 2012 11:25 AM (30 minutes)

Presenter: Dr SIEVERS, Peter (CERN, ESS)

Session Classification: Hybrid sources, special targets

Contribution ID: 23

Type: **not specified**

Recent progress for 4-Mirror Compton cavity at KEK

Thursday, September 6, 2012 12:00 PM (25 minutes)

Presenter: Prof. URAKAWA, Junji (KEK)

Session Classification: Compton sources, optical cavities & lasers

Contribution ID: 24

Type: **not specified**

An ultimate Compton ring for positron production and cooling

Thursday, September 6, 2012 2:20 PM (30 minutes)

Presenter: Dr BULYAK, Eugene (NSC KIPT)

Session Classification: Compton sources, optical cavities & lasers

Contribution ID: 25

Type: **not specified**

Compton ring with CO2 laser for polarized positrons source

Thursday, September 6, 2012 2:50 PM (25 minutes)

Presenter: GLADKIKH, Peter

Session Classification: Compton sources, optical cavities & lasers

Contribution ID: 26

Type: **not specified**

3.5 GeV superconducting stacking ring for polarized positrons source

Thursday, September 6, 2012 3:15 PM (25 minutes)

Presenter: GLADKIKH, Peter

Session Classification: Compton sources, optical cavities & lasers

Contribution ID: 27

Type: **not specified**

Hybrid targets: tests and studies

Thursday, September 6, 2012 11:00 AM (25 minutes)

Presenter: Dr TAKAHASHI, Tohru (Hiroshima University)

Session Classification: Hybrid sources, special targets

Contribution ID: **28**

Type: **not specified**

Eli-NP status

Presenter: Dr DADOUN, Olivier (LAL Orsay)

Contribution ID: 29

Type: **not specified**

Measurement of transversely polarized beams at the IP

Thursday, September 6, 2012 9:20 AM (20 minutes)

Presenter: BEN MORDECHAI, Itai

Session Classification: Positron polarisation, spin manipulation, polarimetry

Contribution ID: **30**

Type: **not specified**

PEPPo e+/e- polarization measurements

Thursday, September 6, 2012 9:40 AM (20 minutes)

Primary author: FANCHINI, Erica (LPSC, Grenoble, JLab)

Presenter: FANCHINI, Erica (LPSC, Grenoble, JLab)

Session Classification: Positron polarisation, spin manipulation, polarimetry

Contribution ID: 31

Type: **not specified**

Polarization of final electrons/positrons during multiple Compton backscattering process

Presenter: POTYLITSIN, Alexander

Contribution ID: 32

Type: **not specified**

Conventional source developments

Thursday, September 6, 2012 4:00 PM (25 minutes)

Presenter: Prof. URAKAWA, Junji (KEK)

Session Classification: Truly conventional sources

Contribution ID: 33

Type: **not specified**

Report Roadmap & European Linear Collider strategy

Thursday, September 6, 2012 4:30 PM (15 minutes)

Presenter: MOORTGAT-PICK, Gudrid (University of Hamburg/DESY)

Session Classification: Future work and plans

Contribution ID: 34

Type: **not specified**

ILC/CLIC e+ generation working group – Status and future

Thursday, September 6, 2012 4:45 PM (20 minutes)

Presenters: RINOLFI, Louis (CERN); GAI, Wei (ANL)

Session Classification: Future work and plans

Contribution ID: 35

Type: **not specified**

Discussion on future work, experiments and collaboration

Thursday, September 6, 2012 5:05 PM (55 minutes)

Session Classification: Future work and plans

Contribution ID: 36

Type: **not specified**

Excursion to Berlin

Contribution ID: 37

Type: **not specified**

Welcome and introduction to DESY Zeuthen

Contribution ID: **38**

Type: **not specified**

Eli-NP status

Tuesday, September 4, 2012 5:10 PM (30 minutes)

Presenter: Dr DADOUN, Olivier (LAL Orsay)

Session Classification: Status of accelerator projects and experiments (2)

Contribution ID: 39

Type: **not specified**

Opening

Tuesday, September 4, 2012 9:00 AM (5 minutes)

Session Classification: Welcome and introduction

Contribution ID: 40

Type: **not specified**

Polarization of final electrons/positrons during multiple Compton backscattering process

Thursday, September 6, 2012 10:00 AM (25 minutes)

Presenter: Prof. POTYLITSIN, Alexander

Session Classification: Positron polarisation, spin manipulation, polarimetry

Contribution ID: 41

Type: **not specified**

Experiment of the 4-Mirror Compton cavity at KEK-ATF

Thursday, September 6, 2012 12:25 PM (25 minutes)

Presenter: Dr TAKAHASHI, Tohru (Hiroshima University)

Session Classification: Compton sources, optical cavities & lasers

Contribution ID: 42

Type: **not specified**

Compact several MeV Gamma-ray source based on Compton scattering

Thursday, September 6, 2012 2:00 PM (20 minutes)

Presenter: Prof. URAKAWA, Junji (KEK)

Session Classification: Compton sources, optical cavities & lasers

Contribution ID: 43

Type: **not specified**

Bus transport to Berlin

Wednesday, September 5, 2012 2:00 PM (1 hour)

Session Classification: Excursion to Berlin, Dinner

Contribution ID: 44

Type: **not specified**

Plan: Guided walking tour (Brandenburger Tor - Unter den Linden - Berliner Dom)

Wednesday, September 5, 2012 3:30 PM (2h 20m)

Session Classification: Excursion to Berlin, Dinner

Contribution ID: 45

Type: **not specified**

Boat round trip: Berliner Dom - Kanzleramt - Berliner Dom

Wednesday, September 5, 2012 6:15 PM (1 hour)

Session Classification: Excursion to Berlin, Dinner

Contribution ID: 46

Type: **not specified**

Dinner

Wednesday, September 5, 2012 7:30 PM (2h 30m)

Session Classification: Excursion to Berlin, Dinner

Contribution ID: 47

Type: **not specified**

Bus to Zeuthen

Wednesday, September 5, 2012 10:00 PM (1 hour)

Session Classification: Excursion to Berlin, Dinner

Contribution ID: 48

Type: **not specified**

Status TDR writing: e+ source

Friday, September 7, 2012 9:00 AM (1h 30m)

Presenter: GAI, Wei (ANL)

Session Classification: ILC Positron Source Group Meeting

Contribution ID: 49

Type: **not specified**

1TeV upgrade: Undulator, photon collimator, target, OMD, source performance

Friday, September 7, 2012 11:30 AM (40 minutes)

Session Classification: ILC Positron Source Group Meeting

Contribution ID: **50**

Type: **not specified**

Future tasks

Friday, September 7, 2012 12:10 PM (1 hour)

Session Classification: ILC Positron Source Group Meeting

Contribution ID: 51

Type: **not specified**

Low energy option

Friday, September 7, 2012 10:50 AM (40 minutes)

Session Classification: ILC Positron Source Group Meeting

Contribution ID: 52

Type: **not specified**

DESY Zeuthen

Tuesday, September 4, 2012 9:05 AM (15 minutes)

Presenter: Prof. STEGMANN, Christian (DESY, Potsdam University)

Session Classification: Welcome and introduction