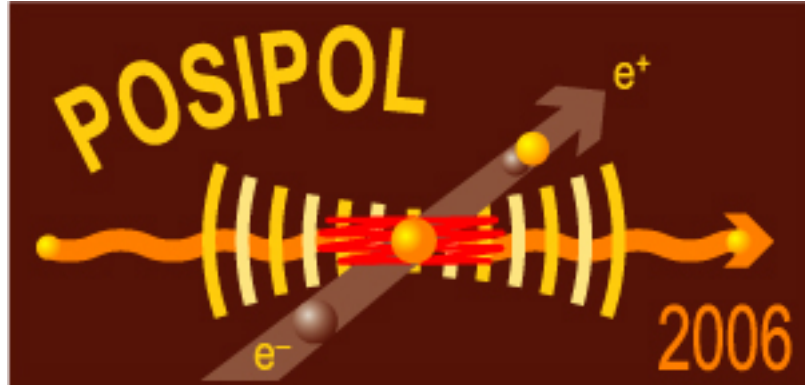


# POSIPOL 2006



## Report of Contributions

Contribution ID: 0

Type: **not specified**

# Welcome

*Wednesday 26 April 2006 09:00 (10 minutes)*

**Presenter:** AYMAR, Robert (CERN)

**Session Classification:** Overview Session - 1

Contribution ID: 1

Type: **not specified**

## Scope of the Workshop

*Wednesday 26 April 2006 09:10 (20 minutes)*

**Presenter:** RINOLFI, Louis (CERN)

**Session Classification:** Overview Session - 1

**Track Classification:** Overview & Status Reports (A & B)

Contribution ID: 2

Type: **not specified**

## The Physics aspects

*Wednesday 26 April 2006 09:30 (30 minutes)*

**Presenter:** Dr MOORTGAT-PICK, Gudrid (CERN)

**Session Classification:** Overview Session - 1

**Track Classification:** Overview & Status Reports (A & B)

Contribution ID: 3

Type: **not specified**

## **Polarized e+ source for ILC based on Compton scheme**

*Wednesday 26 April 2006 10:00 (30 minutes)*

**Presenter:** Prof. URAKAWA, Junji (KEK)

**Session Classification:** Overview Session - 1

**Track Classification:** Overview & Status Reports (A & B)

Contribution ID: 5

Type: **not specified**

## **Estimation on the maximal yield and polarization of gamma sources**

*Thursday 27 April 2006 08:30 (30 minutes)*

Eugene Bulyak Karkow Inst.

**Presenter:** Dr BULYAK, Eugene (NSC KIPT)

**Session Classification:** Comparison with undulator scheme Session

**Track Classification:** Comparison with undulator scheme (A & B)

Contribution ID: 6

Type: **not specified**

## The ILC undulator baseline

*Wednesday 26 April 2006 11:00 (30 minutes)*

**Presenter:** Dr SHEPPARD, John (SLAC)

**Session Classification:** Overview Session - 2

**Track Classification:** Overview & Status Reports (A & B)

Contribution ID: 7

Type: **not specified**

## The CLIC scheme

*Wednesday 26 April 2006 11:30 (30 minutes)*

**Presenter:** Dr ZIMMERMANN, Frank (CERN)

**Session Classification:** Overview Session - 2

**Track Classification:** Overview & Status Reports (A & B)



Contribution ID: 8

Type: **not specified**

## Discussion

*Wednesday 26 April 2006 12:00 (30 minutes)*

**Session Classification:** Overview Session - 2

Contribution ID: 9

Type: **not specified**

## **Focusing lattices for the Compton gamma rings**

*Wednesday 26 April 2006 13:30 (30 minutes)*

**Presenter:** Dr GLADKIKH, Peter (NSC KIPT)

**Session Classification:** Compton ring Session

**Track Classification:** Compton ring

Contribution ID: 10

Type: **not specified**

## **Polarized e+ source for ILC based on Compton backscattering of high intensity of electron and CO<sub>2</sub> laser beams**

*Wednesday 26 April 2006 14:00 (30 minutes)*

**Presenter:** Dr YAKIMENKO, Vitaly (BNL)

**Session Classification:** Compton ring Session

**Track Classification:** Compton ring

Contribution ID: 12

Type: **not specified**

## **Review CO2 laser system for ILC polarized gamma source based on intra-cavity Compton backscattering**

*Wednesday 26 April 2006 16:00 (30 minutes)*

**Presenter:** Dr POGORELSKY, Igor (BNL)

**Session Classification:** Laser systems Session

**Track Classification:** Laser systems

Contribution ID: 13

Type: **not specified**

## High average power short-pulse lasers

*Wednesday 26 April 2006 16:30 (30 minutes)*

**Presenter:** Dr STUART, Brent (Lawrence Livermore Nat. Lab.)

**Session Classification:** Laser systems Session

**Track Classification:** Laser systems

Contribution ID: 14

Type: **not specified**

## Discussion

*Wednesday 26 April 2006 18:00 (1 hour)*

**Session Classification:** Laser systems Session

Contribution ID: 15

Type: **not specified**

## **E-166 results**

*Thursday 27 April 2006 09:00 (30 minutes)*

**Presenter:** Dr SCHAELICKE, Andreas (DESY Zeuthen)

**Session Classification:** Comparison with undulator scheme Session

**Track Classification:** Comparison with undulator scheme (A & B)

Contribution ID: 16

Type: **not specified**

## **Polarized e+ generation at KEK-ATF**

*Thursday 27 April 2006 09:30 (30 minutes)*

**Presenter:** OMORI, Tsunehiko (KEK)

**Session Classification:** Comparison with undulator scheme Session

**Track Classification:** Comparison with undulator scheme (A & B)



Contribution ID: 18

Type: **not specified**

## **Radiation from electrons passing through a helical undulator or colliding with a circularly polarized laser wave**

*Thursday 27 April 2006 11:00 (30 minutes)*

**Presenter:** Prof. STRAKHOVENKO, Vladimir (INP)

**Session Classification:** Comparison with undulator scheme Session (continued)

**Track Classification:** Comparison with undulator scheme (A & B)

Contribution ID: **19**

Type: **not specified**

## **Workshop Photograph**

*Thursday 27 April 2006 13:20 (25 minutes)*

Contribution ID: 20

Type: **not specified**

## Capture of $e^+$ in a adiabatic matching system

*Friday 28 April 2006 08:30 (30 minutes)*

**Presenter:** Dr CHEHAB, Robert (IN2P3/CNRS Lyon)

**Session Classification:** Positron Capture Session

**Track Classification:** Positron Capture

Contribution ID: 21

Type: **not specified**

## **System considerations for ILC positron source**

*Friday 28 April 2006 09:30 (30 minutes)*

**Presenter:** Dr KURIKI, Masao (KEK)

**Session Classification:** Positron Capture Session

**Track Classification:** Positron Capture

Contribution ID: 22

Type: **not specified**

## **Non planar astigmatic optical resonator for polarised e+ production**

*Friday 28 April 2006 11:00 (30 minutes)*

**Presenter:** Dr ZOMER, Fabian (Université Paris-11/LAL-CNRS-IN2P3)

**Session Classification:** Equipments and diagnostics Session

**Track Classification:** Equipments and diagnostics

Contribution ID: 23

Type: **not specified**

## Beam polarimetry

*Friday 28 April 2006 11:30 (30 minutes)*

**Presenter:** SCHUELER, Peter (DESY, Hamburg)

**Session Classification:** Equipments and diagnostics Session

**Track Classification:** Equipments and diagnostics

Contribution ID: 24

Type: **not specified**

## Discussion

*Friday 28 April 2006 12:00 (30 minutes)*

**Session Classification:** Equipments and diagnostics Session

Contribution ID: 25

Type: **not specified**

## Status of the LAL high finesse cavity R&D

*Friday 28 April 2006 13:30 (30 minutes)*

**Presenter:** Mr SOSKOV, Viktor (CNRS, IN2P3, Laboratoire de l'Accélérateur Linéaire)

**Session Classification:** R&D plans Session

**Track Classification:** R&D plans



Contribution ID: 26

Type: **not specified**

## **R&D status of optical cavity for ILC polarized e+**

*Friday 28 April 2006 14:00 (30 minutes)*

**Presenter:** Dr SATO, Hiroki (Hiroshima Univ.)

**Session Classification:** R&D plans Session

**Track Classification:** R&D plans

Contribution ID: 27

Type: **not specified**

## **Discussion of issues raised during the workshop that need further R & D, ideas for who might carry out such R & D.**

*Friday 28 April 2006 16:00 (1h 30m)*

**Presenter:** RINOLFI, Louis (CERN)

**Session Classification:** Summary Session

Contribution ID: 28

Type: **not specified**

## Discussion

*Thursday 27 April 2006 10:00 (30 minutes)*

**Session Classification:** Comparison with undulator scheme Session

Contribution ID: 29

Type: **not specified**

## Discussion

*Friday 28 April 2006 10:00 (30 minutes)*

**Session Classification:** Positron Capture Session

Contribution ID: 30

Type: **not specified**

## **Experimental plan of X-ray generation using optical cavity for pulsed laser stacking**

*Friday 28 April 2006 14:30 (30 minutes)*

**Presenter:** Mr SAKAUE, Kazuyuki (Waseda Univ.)

**Session Classification:** R&D plans Session

**Track Classification:** R&D plans

Contribution ID: 31

Type: **not specified**

## **Lattice design for the Compton ring**

*Wednesday 26 April 2006 14:30 (30 minutes)*

**Presenter:** Dr GUIDUCCI, Susanna (INFN)

**Session Classification:** Compton ring Session

**Track Classification:** Compton ring

Contribution ID: 32

Type: **not specified**

## **Compton parameters optimisation**

*Wednesday 26 April 2006 15:00 (30 minutes)*

**Presenter:** Dr VARIOLA, Alessandro (LAL)

**Session Classification:** Compton ring Session

**Track Classification:** Compton ring

Contribution ID: 33

Type: **not specified**

## The ILC laser-wire system

*Wednesday 26 April 2006 17:00 (20 minutes)*

**Presenter:** Prof. DIXIT, Sudhir (University of Oxford - John Adams Institute)

**Session Classification:** Laser systems Session

**Track Classification:** Laser systems



Contribution ID: 34

Type: **not specified**

## High power fiber laser

*Wednesday 26 April 2006 17:20 (20 minutes)*

**Presenter:** Mr ZAOUTER, Yoann (Amplitude Systemes)

**Session Classification:** Laser systems Session

**Track Classification:** Laser systems

Contribution ID: 35

Type: **not specified**

## Discussion

*Thursday 27 April 2006 12:00 (30 minutes)*

**Session Classification:** Comparison with undulator scheme Session (continued)

Contribution ID: 36

Type: **not specified**

## **EuroTeV development of a photon conversion target**

*Thursday 27 April 2006 17:00 (30 minutes)*

**Presenter:** BAILEY, Ian (Cockcroft Inst.)

**Session Classification:** Positron production (Targets) Session

**Track Classification:** Positron production - Targets

Contribution ID: 37

Type: **not specified**

## **Generation of polarized positrons in a target: photoproduction and related phenomena**

*Thursday 27 April 2006 17:30 (30 minutes)*

**Presenter:** Prof. STRAKHOVENKO, Vladimir (INP)

**Session Classification:** Positron production (Targets) Session

**Track Classification:** Positron production - Targets

Contribution ID: **38**

Type: **not specified**

## **Discussion**

*Thursday 27 April 2006 18:00 (1 hour)*

**Session Classification:** Positron production (Targets) Session

Contribution ID: **39**

Type: **not specified**

## **Discussion**

*Friday 28 April 2006 15:00 (30 minutes)*

**Session Classification:** R&D plans Session

Contribution ID: 40

Type: **not specified**

## Average power of Ultra fast DPSS lasers

*Wednesday 26 April 2006 17:40 (20 minutes)*

**Presenter:** Dr RUCHTI, Thomas (Time-Bandwidth Products AG)

**Session Classification:** Laser systems Session

**Track Classification:** Laser systems

Contribution ID: 41

Type: **not specified**

## **Parameter studies of polarized e+ production and capturing**

*Friday 28 April 2006 09:00 (30 minutes)*

**Presenter:** Dr GAI, Wei (ANL)

**Session Classification:** Positron Capture Session

**Track Classification:** Positron Capture