

# **Electron Accelerator R&D for the Energy Frontier**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## ILC Outreach Activities

**Presenters:** Mrs WARMBEIN, Barbara (DESY); Dr ROYOLE-DEGIEUX, Perrine (LAL/IN2P3)

Contribution ID: 1

Type: **not specified**

## Introduction

*Tuesday 16 May 2006 09:15 (30 minutes)*

**Authors:** Dr GUIGNARD, Gilbert (CERN); Dr WALKER, Nicholas (DESY)

**Presenters:** Dr GUIGNARD, Gilbert (CERN); Dr WALKER, Nicholas (DESY)

**Session Classification:** EUROTev I

Contribution ID: 2

Type: **not specified**

## WP2: Beam Delivery System

*Tuesday 16 May 2006 09:45 (45 minutes)*

**Presenter:** Dr ANGAL-KALININ, Deepa (CCLRC Daresbury)

**Session Classification:** EUROTev I

Contribution ID: 3

Type: **not specified**

## WP3: Damping Rings

*Tuesday 16 May 2006 11:00 (45 minutes)*

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

**Session Classification:** EUROTev II

Contribution ID: 4

Type: **not specified**

## WP4: Polarised Positron Source

*Tuesday 16 May 2006 11:45 (45 minutes)*

**Presenter:** Dr CLARKE, Jim (CCLRC Daresbury Lab)

**Session Classification:** EUROTev II

Contribution ID: 5

Type: **not specified**

## WP5: Diagnostics

*Tuesday 16 May 2006 13:30 (45 minutes)*

**Presenter:** Dr BLAIR, Grahame (Royal Holloway)

**Session Classification:** EUROTev III

Contribution ID: 6

Type: **not specified**

## **WP6: Integrated Luminosity Performance Studies**

*Tuesday 16 May 2006 14:15 (45 minutes)*

**Presenter:** Dr SCHULTE, Daniel (CERN)

**Session Classification:** EUROTev III

Contribution ID: 7

Type: **not specified**

## **WP7: Metrology and Stabilisation**

*Tuesday 16 May 2006 15:30 (45 minutes)*

**Presenter:** Dr KARYOTAKIS, Yannis (LAPP)

**Session Classification:** EUROTev IV

Contribution ID: 8

Type: **not specified**

## **WP8: Global Accelerator Network Multipurpose Virtual Laboratory**

*Tuesday 16 May 2006 16:15 (45 minutes)*

**Presenter:** Dr WILLEKE, Ferdi (DESY)

**Session Classification:** EUROTev IV

Contribution ID: 9

Type: **not specified**

## Discussion

*Tuesday 16 May 2006 17:00 (1 hour)*

**Presenter:** Dr ELSEN, Eckhard (DESY)

**Session Classification:** EUROTev IV

Contribution ID: **10**

Type: **not specified**

## HERA as an ILC Damping Ring

*Wednesday 17 May 2006 09:20 (30 minutes)*

Possible use of the HERA Electron Ring in Conjunction with the ILC Damping Rings

**Author:** Dr WILLEKE, Ferdinand (DESY)

**Presenter:** Dr WILLEKE, Ferdinand (DESY)

**Session Classification:** Summaries

Contribution ID: **11**

Type: **not specified**

## ILC Options for FP7

*Wednesday 17 May 2006 09:50 (30 minutes)*

**Presenter:** Dr ELSEN, Eckhard (DESY)

**Session Classification:** Summaries

Contribution ID: **12**

Type: **not specified**

## Discussion

*Wednesday 17 May 2006 10:20 (30 minutes)*

**Presenter:** Dr ELSEN, Eckhard (DESY)

**Session Classification:** Summaries

Contribution ID: **13**

Type: **not specified**

## **Preparation for FP7**

Contribution ID: 14

Type: **not specified**

## **An SC RF Facility at CERN ?**

Contribution ID: 15

Type: **not specified**

## **An SC RF Facility at CERN ?**

*Monday 15 May 2006 11:00 (25 minutes)*

**Presenter:** Dr LILJE, Lutz (DESY)

**Session Classification:** ELAN Plenary II

Contribution ID: **19**

Type: **not specified**

**ANAD**

Contribution ID: **20**

Type: **not specified**

## Normal Conducting

Contribution ID: **21**

Type: **not specified**

## Supra Technology

Contribution ID: 22

Type: **not specified**

## Beam Dynamics and Instrumentation

Contribution ID: 23

Type: **not specified**

## General presentation of EuroLEAP

*Tuesday 16 May 2006 09:15 (30 minutes)*

**Presenter:** CROS, Brigitte (LPGP-CNRS)

**Session Classification:** EUROLEAP Kick-Off I

Contribution ID: 24

Type: **not specified**

## **Presentation of WP objectives: Part 2**

*Tuesday 16 May 2006 11:00 (30 minutes)*

**Session Classification:** EUROLEAP Kick-Off II

Contribution ID: 25

Type: **not specified**

## Discussion of work coordination: Part 1

*Tuesday 16 May 2006 11:30 (1 hour)*

Plan for 2006-2007

**Session Classification:** EUROLEAP Kick-Off II

Contribution ID: 26

Type: **not specified**

## Discussion of work coordination: Part 2

*Tuesday 16 May 2006 13:30 (1h 30m)*

Plan for 2006-2007

**Session Classification:** EUROLEAP Kick-Off III

Contribution ID: 27

Type: **not specified**

## Status of the work at TUE

*Monday 15 May 2006 15:30 (25 minutes)*

**Presenter:** Dr BRUSSAARD, Seth (Technical University Eindhoven)

**Session Classification:** ANAD

Contribution ID: **28**

Type: **not specified**

## **Pre-formed channels for laser-plasma accelerators**

*Monday 15 May 2006 15:55 (25 minutes)*

**Presenter:** Dr LOPES, Nelson (Instituto Superior Tecnico)

**Session Classification:** ANAD

Contribution ID: 29

Type: **not specified**

## **Demonstration of the generation of GeV electron beams from a plasma accelerator driven in a capillary discharge waveguide**

*Monday 15 May 2006 16:20 (25 minutes)*

**Presenter:** Dr HOOKER, Simon (University of Oxford)

**Session Classification:** ANAD

Contribution ID: **30**

Type: **not specified**

## **Presentation of WP objectives: Part 1**

*Tuesday 16 May 2006 09:45 (45 minutes)*

**Session Classification:** EUROLEAP Kick-Off I

Contribution ID: 31

Type: **not specified**

## **Scalings for multi-GeV laser-plasma accelerators and recent progresses in numerical modeling**

*Monday 15 May 2006 17:10 (25 minutes)*

**Presenter:** Dr SILVA, Luis (Instituto Superior Tecnico)

**Session Classification:** ANAD

Contribution ID: 32

Type: **not specified**

## Status of the ALPHA-X project

*Monday 15 May 2006 17:35 (25 minutes)*

**Presenter:** Dr JAROSZYNSKI, Dino (University of Strathclyde)

**Session Classification:** ANAD

Contribution ID: 33

Type: **not specified**

## **Preparation of a database on laser-plasma acceleration**

*Monday 15 May 2006 18:00 (30 minutes)*

**Presenter:** Dr CROS, Brigitte (Universite Paris-Sud)

**Session Classification:** ANAD

Contribution ID: 34

Type: **not specified**

## Outreach and Communication at the ILC

**Presenters:** Mrs WARMBEIN, Barbara (DESY); Dr ROYOLE-DEGIEUX, Perrine (LAL/IN2P3)

Contribution ID: 35

Type: **not specified**

## Discussion of organisation

*Tuesday 16 May 2006 15:30 (1h 15m)*

IP, publication, communication, budget rules...

**Presenter:** CROS, Brigitte (LPGP-CNRS)

**Session Classification:** EUROLEAP Kick-Off IV

Contribution ID: 36

Type: **not specified**

## Summing-up

*Tuesday 16 May 2006 16:45 (15 minutes)*

**Session Classification:** EUROLEAP Kick-Off IV

Contribution ID: 37

Type: **not specified**

## Management meetings

*Tuesday 16 May 2006 17:15 (1h 30m)*

**Session Classification:** EUROLEAP Kick-Off IV

Contribution ID: 39

Type: **not specified**

## Acoustic vibrations of the quadrupole prototype

*Monday 15 May 2006 15:30 (30 minutes)*

**Presenter:** BOLZON, Benoit (LAPP-Annecy)

**Session Classification:** LTECNC

Contribution ID: 40

Type: **not specified**

## Feedback on a large scale quadrupole prototype

*Monday 15 May 2006 16:00 (30 minutes)*

**Presenter:** BRUNETTI, Laurent (LAPP-Annecy)

**Session Classification:** LTECNC

Contribution ID: 41

Type: **not specified**

## **Site characterization and vibration studies of the superconducting magnets**

*Monday 15 May 2006 16:30 (30 minutes)*

live from DESY

**Presenters:** Dr BERTOLINI, Alessandro (DESY); Dr AMIRIKAS, Ramila (DESY)

**Session Classification:** LTECNC

Contribution ID: **42**

Type: **not specified**

# LiCAS

by Dr.A.Reichold

Contribution ID: 43

Type: **not specified**

## **StaFF: laser-based Final Focus Stabilization**

*Monday 15 May 2006 17:30 (30 minutes)*

**Presenter:** Dr URNER, David (Oxford)

**Session Classification:** LTECNC

Contribution ID: 44

Type: **not specified**

## **LiCAS : Linear Collider Alignment and Survey**

*Monday 15 May 2006 17:00 (30 minutes)*

**Presenter:** Dr REICHOLD, Armin (Oxford)

**Session Classification:** LTECNC

Contribution ID: 45

Type: **not specified**

## Introduction

*Monday 15 May 2006 09:00 (15 minutes)*

**Session Classification:** ELAN Plenary I

Contribution ID: 46

Type: **not specified**

## **Laser plasma accelerators: achievements and plans**

*Monday 15 May 2006 09:15 (20 minutes)*

**Presenter:** Dr CROS, Brigitte (LPGP/Orsay)

**Session Classification:** ELAN Plenary I

Contribution ID: 47

Type: **not specified**

## Progress and plans on warm cavity technology

*Monday 15 May 2006 09:40 (20 minutes)*

**Presenter:** Dr CALATRONI, Sergio (CERN)

**Session Classification:** ELAN Plenary I

Contribution ID: 48

Type: **not specified**

## **Summary of the workshop on polarized positron source based on Compton back scattering**

*Monday 15 May 2006 10:05 (20 minutes)*

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

**Session Classification:** ELAN Plenary I

Contribution ID: 49

Type: **not specified**

## **Achievements and plans for INSTR+BDYN**

Contribution ID: 50

Type: **not specified**

## **Achievements and plans for Instrumentation and Beam Dynamics**

*Monday 15 May 2006 11:30 (25 minutes)*

**Presenter:** Dr SHULTE, Daniel (CERN)

**Session Classification:** ELAN Plenary II

Contribution ID: 51

Type: **not specified**

## ILC Communication Efforts

*Wednesday 17 May 2006 09:00 (20 minutes)*

**Presenters:** Mrs WARMBEIN, Barbara (DESY); Dr ROYOLE-DEGIEUX, Perrine (LAL/IN2P3)

**Session Classification:** Summaries

Contribution ID: 52

Type: **not specified**

## Energy Spectrometer for the ILC

*Monday 15 May 2006 15:30 (20 minutes)*

**Presenter:** LIAPINE, Alexei (UCL)

**Session Classification:** INSTR and BDYN

Contribution ID: 53

Type: **not specified**

## **Performance optimisation and optics design studies for the e-e- option at the ILC**

*Monday 15 May 2006 15:50 (20 minutes)*

**Presenter:** ALABAU, Maria (Valencia/LAL)

**Session Classification:** INSTR and BDYN

Contribution ID: 54

Type: **not specified**

## Extraction line design studies

*Monday 15 May 2006 16:10 (20 minutes)*

**Presenter:** APPLEBY, Robert (CI / Manchester)

**Session Classification:** INSTR and BDYN

Contribution ID: 55

Type: **not specified**

## **Progress with large-scale simulations of back-scattered photons and electrons from beam losses in the extraction line**

*Monday 15 May 2006 16:30 (20 minutes)*

**Presenter:** DADOUN, Olivier (LAL)

**Session Classification:** INSTR and BDYN

Contribution ID: 56

Type: **not specified**

## Extraction Line Studies and BDSIM Code Improvements

*Monday 15 May 2006 16:50 (20 minutes)*

**Presenter:** CARTER, John (JAI / RHUL)

**Session Classification:** INSTR and BDYN

Contribution ID: 57

Type: **not specified**

## **New progress of the nonlinear collimation system for CLIC**

*Monday 15 May 2006 17:10 (20 minutes)*

**Presenter:** Dr FAUS GOLFE, Angeles (IFIC)

**Session Classification:** INSTR and BDYN

Contribution ID: 58

Type: **not specified**

## ILC beam-based feedback development

*Monday 15 May 2006 17:30 (20 minutes)*

**Presenter:** BURROWS, Phillip (JAI/ Oxford)

**Session Classification:** INSTR and BDYN

Contribution ID: 59

Type: **not specified**

**See <a href="http://ilcagenda.cern.ch/conferenceDisplay.py?confId=548" of Mini Workshop on Head-on IR</a>**

*Wednesday 17 May 2006 15:00 (20 minutes)*

**Session Classification:** EUROTev Mini Workshop on Head-on IR

Contribution ID: **60**

Type: **not specified**

## **New Infrastructures for FP7**

*Monday 15 May 2006 13:30 (10 minutes)*

**Presenter:** Prof. RICHARD, Francois (LAL)

**Session Classification:** ELAN Plenary III

Contribution ID: **61**

Type: **not specified**

## **Infrastructures for R&D on SC available at CERN**

*Monday 15 May 2006 13:40 (20 minutes)*

**Presenter:** Dr CALATRONI, Sergio (CERN)

**Session Classification:** ELAN Plenary III

Contribution ID: **62**

Type: **not specified**

## **Possible synergy with R&D for protons**

*Monday 15 May 2006 14:00 (20 minutes)*

**Presenter:** Dr DELAHAYE, Jean-Pierre (CERN)

**Session Classification:** ELAN Plenary III

Contribution ID: **63**

Type: **not specified**

## The ELI proposal

*Monday 15 May 2006 14:20 (20 minutes)*

**Presenter:** Dr MALKA, Victor (LOA)

**Session Classification:** ELAN Plenary III

Contribution ID: 64

Type: **not specified**

## Questions and issues on an new IS for SCRF

*Monday 15 May 2006 14:40 (15 minutes)*

**Presenter:** Dr LILJE, Lutz (DESY)

**Session Classification:** ELAN Plenary III

Contribution ID: 65

Type: **not specified**

## Proposals for JRA

*Monday 15 May 2006 14:55 (5 minutes)*

**Presenter:** Prof. RICHARD, Francois (LAL)

**Session Classification:** ELAN Plenary III