

# **EuCARD 1st ANNUAL MEETING**



## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## **Parallel session for WP meetings (on request)**

Contribution ID: 1

Type: **not specified**

## **Parallel session for WP meetings (on request)**

Contribution ID: 2

Type: **not specified**

## **parallel session for WP meetings (on request)**

Contribution ID: 3

Type: **not specified**

## **parallel session for WP meetings (on request)**

Contribution ID: 5

Type: **not specified**

## Welcome from the EuCARD coordinator

*Wednesday 14 April 2010 08:45 (5 minutes)*

**Presenter:** KOUTCHOUK, Jean-Pierre (CERN)

**Session Classification:** 14th: 1st Session

Contribution ID: 6

Type: **not specified**

## **Welcome from the STFC Director of Facilities Development and Operations**

*Wednesday 14 April 2010 08:50 (10 minutes)*

**Presenter:** TAYLOR, Andrew (STFC)

**Session Classification:** 14th: 1st Session

Contribution ID: 7

Type: **not specified**

## Report from the EuCARD management

*Wednesday 14 April 2010 09:05 (25 minutes)*

**Presenter:** KOUTCHOUK, Jean-Pierre (CERN)

**Session Classification:** 14th: 1st Session



Contribution ID: 8

Type: **not specified**

## **Report from WP2: DCO (Dissemination, Communication & Outreach)**

*Wednesday 14 April 2010 09:30 (30 minutes)*

**Presenters:** KAHLE, Kate (CERN); ROMANIUK, Ryszard (Warsaw University of Technology)

**Session Classification:** 14th: 1st Session

Contribution ID: 9

Type: **not specified**

## **Highlight talk WP3: Progress on ion production studies for betabeams**

*Wednesday 14 April 2010 10:35 (20 minutes)*

**Presenter:** WILDNER, Elena (CERN)

**Session Classification:** 14th : 2nd Session

Contribution ID: **10**

Type: **not specified**

## Report from NEU2012

*Wednesday 14 April 2010 10:55 (35 minutes)*

**Presenter:** Prof. PALLADINO, Vittorio (Univ. & INFN Napoli, Italy)

**Session Classification:** 14th : 2nd Session

Contribution ID: **11**

Type: **not specified**

## **Highlight talk1 WP4: Implementation strategy for LHC crab crossing**

*Wednesday 14 April 2010 11:30 (20 minutes)*

**Presenter:** CALAGA, Rama Buchi Rao (BNL)

**Session Classification:** 14th : 2nd Session

Contribution ID: 12

Type: **not specified**

## **highlight talk2 WP4: proton driven plasma wave acceleration**

*Wednesday 14 April 2010 11:50 (20 minutes)*

**Presenter:** CALDWELL, Allen (Max Planck Institute)

**Session Classification:** 14th : 2nd Session

Contribution ID: **13**

Type: **not specified**

## **Report of WP4: AccNet**

*Wednesday 14 April 2010 13:30 (35 minutes)*

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

**Session Classification:** 14th: 3rd Session

Contribution ID: 14

Type: **not specified**

## Report of WP 6: MICE

*Wednesday 14 April 2010 14:05 (35 minutes)*

**Presenter:** MCCUBBIN, Norman (STFC -RAL)

**Session Classification:** 14th: 3rd Session

Contribution ID: 15

Type: **not specified**

## **highlight talk 1 WP7: Design of the Fresca2 dipole**

*Wednesday 14 April 2010 14:40 (20 minutes)*

**Presenter:** MILANESE, Attilio (CERN)

**Session Classification:** 14th: 3rd Session



Contribution ID: **16**

Type: **not specified**

## **highlight talk 2 WP7: The HTS insert magnet**

*Wednesday 14 April 2010 15:00 (20 minutes)*

**Presenter:** TIXADOR, Pascal (Grenoble INP)

**Session Classification:** 14th: 3rd Session

Contribution ID: 17

Type: **not specified**

## Report of WP 7: HFM

*Wednesday 14 April 2010 15:20 (45 minutes)*

**Presenter:** DE RIJK, Gijs (CERN)

**Session Classification:** 14th: 3rd Session

Contribution ID: **18**

Type: **not specified**

## **highlight talk 1 WP8: Advanced Materials and Collimators for the LHC**

*Wednesday 14 April 2010 16:30 (15 minutes)*

**Presenter:** DALLOCCHIO, Alessandro (CERN)

**Session Classification:** 14th : 4th Session

Contribution ID: **19**

Type: **not specified**

## **highlight talk 2 WP8: Simulations and Collimation Performance Predictions**

*Wednesday 14 April 2010 16:45 (15 minutes)*

**Presenter:** ROSSI, Adriana (CERN)

**Session Classification:** 14th : 4th Session

Contribution ID: **20**

Type: **not specified**

## Report of WP 5: HiRadMat

*Wednesday 14 April 2010 17:15 (20 minutes)*

**Presenter:** EFTHYMIPOULOS, Ilias (CERN)

**Session Classification:** 14th : 4th Session

Contribution ID: **21**

Type: **not specified**

## **Report of WP 8: ColMat**

*Wednesday 14 April 2010 17:35 (45 minutes)*

**Presenter:** STADLMANN, Jens (GSI Darmstadt)

**Session Classification:** 14th : 4th Session

Contribution ID: 22

Type: **not specified**

## Accelerator R&D at STFC / UK

*Thursday 15 April 2010 08:45 (25 minutes)*

**Presenter:** POOLE, Mike (STFC)

**Session Classification:** 15th 1st Session

Contribution ID: 23

Type: **not specified**

## **Accelerator R&D for sLHC and status of SLHC-PP**

*Thursday 15 April 2010 09:10 (35 minutes)*

**Presenter:** GAROBY, Roland (CERN)

**Session Classification:** 15th 1st Session



Contribution ID: 24

Type: **not specified**

## **LC challenges and status of ILC-HiGrade**

*Thursday 15 April 2010 10:15 (35 minutes)*

**Presenter:** ELSEN, Eckhard (Physikalisches Institut-Ruprecht-Karls-Universitaet Heidelberg-U)

**Session Classification:** 15th 2nd Session

Contribution ID: 25

Type: **not specified**

## **Achievements in plasma wave acceleration and EUROLEAP**

*Thursday 15 April 2010 10:50 (25 minutes)*

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

**Session Classification:** 15th 2nd Session

Contribution ID: 26

Type: **not specified**

## Accelerator R&D in US/LARP

*Thursday 15 April 2010 11:15 (35 minutes)*

**Presenter:** Dr PREBYS, Eric (Fermilab)

**Session Classification:** 15th 2nd Session

Contribution ID: 27

Type: **not specified**

## Collaboration on accelerator R&D in EuCARD

*Thursday 15 April 2010 13:20 (25 minutes)*

**Presenter:** EKELOF, Tord (University of Uppsala)

**Session Classification:** 15th 3rd Session

Contribution ID: **28**

Type: **not specified**

## **ESGARD, TIARA, How to collaborate on accelerator R&D**

*Thursday 15 April 2010 13:45 (35 minutes)*

**Presenter:** Dr ALEKSAN, Roy (CPPM/IN2P3-CNRS and DAPNIA-CEA)

**Session Classification:** 15th 3rd Session

Contribution ID: 29

Type: **not specified**

## Discussion

*Thursday 15 April 2010 14:20 (35 minutes)*

**Session Classification:** 15th 3rd Session

Contribution ID: **30**

Type: **not specified**

## **highlight talk 1 RAL: ALICE/ EMMA/**

*Thursday 15 April 2010 14:55 (20 minutes)*

**Presenter:** SMITH, Susan (STFC)

**Session Classification:** 15th: 4th Session

Contribution ID: **31**

Type: **not specified**

## **highlight talk 2 RAL: FETS**

*Thursday 15 April 2010 15:15 (20 minutes)*

**Presenter:** LETCHFORD, Alan (STFC)

**Session Classification:** 15th: 4th Session



Contribution ID: 32

Type: **not specified**

## **Visits for ISIS/DLS (bus will collect to take to Abingdon at 1730)**

Contribution ID: 33

Type: **not specified**

## **Combined GB and SC meeting (closed)**

Contribution ID: 34

Type: **not specified**

## **Coaches to Abingdon, for laptop drop off/change and collection for Oxford**

Contribution ID: 36

Type: **not specified**

## **highlight talk1: WP9: stabilisation to 1 nm**

*Friday 16 April 2010 08:45 (20 minutes)*

**Presenter:** JEREMIE, Andrea (Laboratoire d'Annecy-le-Vieux de Physique des Particules (LAPP))

**Session Classification:** 16th 1st Session

Contribution ID: 37

Type: **not specified**

## **highlight talk2: WP9: CLIC RF-structures development**

*Friday 16 April 2010 09:05 (20 minutes)*

**Presenters:** DJURABEKOVA, Flyura (University of Helsinki); NORDLUND, Kai (University of Helsinki)

**Session Classification:** 16th 1st Session

Contribution ID: **38**

Type: **not specified**

## Report WP9

*Friday 16 April 2010 09:25 (35 minutes)*

**Presenter:** Dr JENSEN, Erk (CERN)

**Session Classification:** 16th 1st Session

Contribution ID: 39

Type: **not specified**

## **highlight talk1 WP10: Design of a Four Rod Compact Crab Cavity for the LHC**

*Friday 16 April 2010 10:20 (20 minutes)*

**Presenter:** BURT, Graeme (STFC)

**Session Classification:** 16th 2nd Session

Contribution ID: 40

Type: **not specified**

## **highlight talk2 WP10: Characterization of field penetration in superconducting multi-layers samples**

*Friday 16 April 2010 10:40 (20 minutes)*

**Presenter:** BERRY, Stephane (CEA)

**Session Classification:** 16th 2nd Session



Contribution ID: **41**

Type: **not specified**

## **report WP10**

*Friday 16 April 2010 11:00 (45 minutes)*

**Presenter:** NAPOLY, Olivier (CEA/Saclay)

**Session Classification:** 16th 2nd Session

Contribution ID: 42

Type: **not specified**

**reserve**

Contribution ID: 43

Type: **not specified**

## **highlight talk1 WP11: crab waist performance**

*Friday 16 April 2010 11:45 (20 minutes)*

**Presenter:** MILARDI, Catia (INFN - LNF)

**Session Classification:** 16th 3rd Session

Contribution ID: 44

Type: **not specified**

## **highlight talk2 WP11: application of laser-driven plasma**

*Friday 16 April 2010 12:05 (20 minutes)*

**Primary author:** MALKA, victor (LOA)

**Presenter:** MALKA, victor (LOA)

**Session Classification:** 16th 3rd Session

Contribution ID: 45

Type: **not specified**

## report WP 11

*Friday 16 April 2010 12:25 (25 minutes)*

**Presenter:** BIAGINI, Marica (INFN-LNF)

**Session Classification:** 16th 3rd Session

Contribution ID: 46

Type: **not specified**

## Closing remarks by coordinator

*Friday 16 April 2010 12:50 (10 minutes)*

**Presenter:** KOUTCHOUK, Jean-Pierre (CERN)

**Session Classification:** 16th 3rd Session

Contribution ID: 47

Type: **not specified**

## **Information by the Chair of the Local Organizing Committee**

*Wednesday 14 April 2010 09:00 (5 minutes)*

**Presenter:** WELLS, Tony (STFC)

**Session Classification:** 14th: 1st Session

Contribution ID: 48

Type: **not specified**

**WP3**



Contribution ID: 49

Type: **not specified**

**WP4**

Contribution ID: 50

Type: **not specified**

**WP7**

Contribution ID: **51**

Type: **not specified**

**WP8**

Contribution ID: 52

Type: **not specified**

**WP9**

Contribution ID: 53

Type: **not specified**

**WP11**

Contribution ID: 54

Type: **not specified**

## **ESGARD meeting (1:40) (closed)**

Contribution ID: 55

Type: **not specified**

## **Introduction: summary of Oct2009 workshop, road map and goals of the meeting**

*Tuesday 13 April 2010 09:00 (15 minutes)*

**Presenter:** BLONDEL, Alain (Departement de Physique Nucleaire et Corpusculaire (DPNC))

**Session Classification:** WP3

Contribution ID: 56

Type: **not specified**

## **The new proton situation at CERN (LHC injectors)**

*Tuesday 13 April 2010 09:15 (15 minutes)*

**Presenter:** GAROBY, Roland (CERN)

**Session Classification:** WP3



Contribution ID: 57

Type: **not specified**

## CNGS status

*Tuesday 13 April 2010 09:30 (15 minutes)*

**Presenter:** GSCHWENDTNER, Edda (CERN)

**Session Classification:** WP3

Contribution ID: 58

Type: **not specified**

## **Superbeam/betabeam in Europe: possibilities of accelerator, baselines and detectors**

*Tuesday 13 April 2010 09:45 (15 minutes)*

**Presenter:** ZITO, Marco (CEA)

**Session Classification:** WP3

Contribution ID: 59

Type: **not specified**

## **Superbeam/betabeam in Europe: physics case**

*Tuesday 13 April 2010 10:00 (15 minutes)*

**Presenter:** MEZZETTO, Mauro (INFN)

**Session Classification:** WP3

Contribution ID: **60**

Type: **not specified**

## **Status of ion sources for beta beam**

*Tuesday 13 April 2010 10:15 (15 minutes)*

**Presenter:** STORA, Thierry (CERN)

**Session Classification:** WP3

Contribution ID: **61**

Type: **not specified**

## Report from Laguna

*Tuesday 13 April 2010 11:15 (15 minutes)*

**Presenter:** RUBBIA, Andre (ETH Zurich)

**Session Classification:** WP3

Contribution ID: **62**

Type: **not specified**

## Neutrino factory Status of IDS-NF

*Tuesday 13 April 2010 11:45 (15 minutes)*

**Presenter:** Prof. LONG, Kenneth (Imperial College London)

**Session Classification:** WP3

Contribution ID: **63**

Type: **not specified**

## **The US muon program**

*Tuesday 13 April 2010 12:00 (15 minutes)*

**Presenter:** GEER, Stephen (Fermilab)

**Session Classification:** WP3

Contribution ID: **64**

Type: **not specified**

## **Detector possibilities : liquid argon and GLA2010**

*Tuesday 13 April 2010 12:15 (15 minutes)*

**Presenter:** HASEGAWA, Takuya

**Session Classification:** WP3



Contribution ID: 65

Type: **not specified**

## **Detector possibilities : scintillator-based detectors**

*Tuesday 13 April 2010 12:30 (15 minutes)*

**Presenter:** Dr SOLER, Paul (University of Glasgow)

**Session Classification:** WP3

Contribution ID: **66**

Type: **not specified**

## The SPC panel report

*Tuesday 13 April 2010 13:45 (15 minutes)*

**Presenter:** ZALEWSKA, Agnieszka (H.Niewodniczanski Inst. of Nuclear Physics in Cracow)

**Session Classification:** WP3: Discussion Session

Contribution ID: 67

Type: **not specified**

# Neutrino factory: the physics program and baselines

*Tuesday 13 April 2010 11:30 (15 minutes)*

**Presenter:** HUBER, Patrick

**Session Classification:** WP3

Contribution ID: **68**

Type: **not specified**

## **Highlight talk 3 WP8: Cryogenic Collimators for FAIR**

*Wednesday 14 April 2010 17:00 (15 minutes)*

**Presenter:** Dr SPILLER, Peter (GSI)

**Session Classification:** 14th : 4th Session

Contribution ID: **69**

Type: **not specified**

## **ESGARD Meeting & Dinner (closed)**

*Wednesday 14 April 2010 18:45 (1h 30m)*

**Session Classification:** 14th : 4th Session

Contribution ID: **70**

Type: **not specified**

## Reserve

*Tuesday 13 April 2010 10:30 (15 minutes)*

**Session Classification:** WP3

Contribution ID: 71

Type: **not specified**

## **CERN and neutrinos (speaker t.b.c)**

*Tuesday 13 April 2010 14:00 (15 minutes)*

**Session Classification:** WP3: Discussion Session

Contribution ID: 72

Type: **not specified**

## ECFA and neutrinos

*Tuesday 13 April 2010 14:15 (15 minutes)*

**Presenter:** NAKADA, Tatsuya (CERN)

**Session Classification:** WP3: Discussion Session



Contribution ID: 73

Type: **not specified**

## **Physics possibilities at a PS neutrino beam: beam properties and layout**

*Tuesday 13 April 2010 14:30 (15 minutes)*

**Presenter:** EFTHYMIPOULOS, Ilias (CERN)

**Session Classification:** WP3: Discussion Session

Contribution ID: 74

Type: **not specified**

## **Physics possibilities at a PS neutrino beam : sterile neutrinos**

*Tuesday 13 April 2010 14:45 (15 minutes)*

**Presenter:** Dr SALA, Paola (INFN)

**Session Classification:** WP3: Discussion Session

Contribution ID: 75

Type: **not specified**

## **Physics possibilities at a PS neutrino beam : cross-section measurements**

*Tuesday 13 April 2010 15:00 (15 minutes)*

**Presenter:** BLONDEL, Alain (Departement de Physique Nucleaire et Corpusculaire (DPNC))

**Session Classification:** WP3: Discussion Session

Contribution ID: 76

Type: **not specified**

## Discussion: NEu2012 roadmap

*Tuesday 13 April 2010 15:45 (1h 35m)*

**Presenter:** PASCOLI, Silvia (Unknown)

**Session Classification:** WP3: Discussion Session

Contribution ID: 77

Type: **not specified**

## **Taxi departures will be displayed in due time**

*Friday 16 April 2010 14:00 (20 minutes)*

**Session Classification:** RETURN TAXIS TO AIRPORT (only available for pre-reserved and confirmed journeys)

Contribution ID: **86**

Type: **not specified**

**test**

Contribution ID: 87

Type: **not specified**

## **GB / SC meeting 15:35-17:05 (closed - login required)**

*Thursday 15 April 2010 15:35 (1h 30m)*

**Session Classification:** 15th: 4th Session

Contribution ID: **88**

Type: **not specified**

## **WP9 meeting**



Contribution ID: **89**

Type: **not specified**

## **WP7 meeting**

Contribution ID: **90**

Type: **not specified**

## **WP4 meeting**