

Yellow Report - Future Neutrino Physics Workshop



Report of Contributions

Contribution ID: 0

Type: **not specified**

Models of Neutrino Masses and Mixings

Thursday 1 October 2009 14:00 (25 minutes)

Author: ALTARELLI, Guido (CERN)

Presenter: ALTARELLI, Guido (CERN)

Session Classification: Theory Session - convenor Silvia Pascoli

Contribution ID: 1

Type: **not specified**

Neutrino masses at the TeV scale and LHC signatures

Thursday 1 October 2009 14:25 (20 minutes)

Author: STRUMIA, Alessandro (Pisa)

Presenter: STRUMIA, Alessandro (Pisa)

Session Classification: Theory Session - convenor Silvia Pascoli

Contribution ID: 2

Type: **not specified**

Discussion led by G. Ross (U. Oxford)

Thursday 1 October 2009 14:45 (30 minutes)

Author: ROSS, Graham

Presenter: ROSS, Graham

Session Classification: Theory Session - convenor Silvia Pascoli

Contribution ID: 3

Type: **not specified**

Neutrino phenomenology

Thursday 1 October 2009 15:45 (45 minutes)

Author: SCHWETZ-MANGOLD, Thomas (Max Planck Institute - Heidelberg)

Presenter: SCHWETZ-MANGOLD, Thomas (Max Planck Institute - Heidelberg)

Session Classification: Theory Session - convenor Silvia Pascoli

Contribution ID: 4

Type: **not specified**

Neutrino physics in the era of precision experiments

Thursday 1 October 2009 16:30 (35 minutes)

Author: GAVELA, B. (U. A. Madrid)

Presenter: GAVELA, B. (U. A. Madrid)

Session Classification: Theory Session - convenor Silvia Pascoli

Contribution ID: 5

Type: **not specified**

The connection of neutrino physics with astrophysics and cosmology

Thursday 1 October 2009 17:05 (35 minutes)

Author: HANNESTAD, Steen (Aarhus U.)

Presenter: HANNESTAD, Steen (Aarhus U.)

Session Classification: Theory Session - convenor Silvia Pascoli

Contribution ID: 6

Type: **not specified**

Welcome

Thursday 1 October 2009 09:00 (10 minutes)

Author: BERTOLUCCI, Sergio (CERN)

Presenter: BERTOLUCCI, S. (CERN)

Session Classification: Introductory Session - convenor Peter Dornan

Contribution ID: 7

Type: **not specified**

Aims of the workshop

Thursday 1 October 2009 09:10 (20 minutes)

Author: DORNAN, Peter (Imperial College)

Presenter: DORNAN, P. (Imperial College)

Session Classification: Introductory Session - convenor Peter Dornan

Contribution ID: 8

Type: **not specified**

Overview of the Current Situation in Neutrino & Charged Lepton sectors

Thursday 1 October 2009 09:30 (30 minutes)

Author: DE GOUVEA, A. (Northwestern University)

Presenter: DE GOUVEA, A. (Northwestern University)

Session Classification: Introductory Session - convenor Peter Dornan

Contribution ID: 9

Type: **not specified**

Neutrino oscillation experiments - Solar Experiments

Thursday 1 October 2009 10:00 (10 minutes)

Author: RANUCCI, Gioacchino

Presenter: RANUCCI, Gioacchino

Session Classification: Introductory Session - convenor Peter Dornan

Contribution ID: **10**

Type: **not specified**

Neutrino mass measurement - Status and expectations

Thursday 1 October 2009 11:30 (30 minutes)

Author: CREMONESI, Oliviero

Presenter: CREMONESI, Oliviero

Session Classification: Introductory Session - convenor Peter Dornan

Contribution ID: **11**

Type: **not specified**

General Discussion

Thursday 1 October 2009 12:30 (30 minutes)

Session Classification: Introductory Session - convenor Peter Dornan

Contribution ID: **12**

Type: **not specified**

Introduction

Friday 2 October 2009 08:30 (10 minutes)

Author: WARK, David (Imperial College & RAL)

Presenter: WARK, David (Imperial College & RAL)

Session Classification: Accelerators Session I - convenors Ilias Efthymiopoulos; David Wark

Contribution ID: 13

Type: **not specified**

Coordinated Neutrino Physics R&D in Europe - Status and Roadmap

Friday 2 October 2009 08:40 (20 minutes)

Author: EDGECOCK, R. (RAL)

Presenter: EDGECOCK, R. (RAL)

Session Classification: Accelerators Session I - convenors Ilias Efthymiopoulos; David Wark

Contribution ID: 14

Type: **not specified**

Beta-beam design status and technical challenges ahead

Friday 2 October 2009 09:00 (25 minutes)

Author: WILDNER, E. (CERN)

Presenter: WILDNER, E. (CERN)

Session Classification: Accelerators Session I - convenors Ilias Efthymiopoulos; David Wark

Contribution ID: 15

Type: **not specified**

Baseline ion source for beta-beam

Friday 2 October 2009 09:25 (25 minutes)

Author: STORA, T. (CERN)

Presenter: STORA, T. (CERN)

Session Classification: Accelerators Session I - convenors Ilias Efthymiopoulos; David Wark

Contribution ID: **16**

Type: **not specified**

Ionization cooled beta-beams

Friday 2 October 2009 09:50 (25 minutes)

Author: MITROFANOV, Semen (UC Louvain)

Presenter: MITROFANOV, Semen (UC Louvain)

Session Classification: Accelerators Session I - convenors Ilias Efthymiopoulos; David Wark

Contribution ID: 17

Type: **not specified**

Plans for superbeams in US

Friday 2 October 2009 10:45 (30 minutes)

Author: KIM, Young-Kee (Fermilab & Univ. of Chicago)

Presenter: KIM, Young-Kee (Fermilab & Univ. of Chicago)

Session Classification: Accelerators Session I - convenors Ilias Efthymiopoulos; David Wark

Contribution ID: **18**

Type: **not specified**

Plans for superbeams in Japan

Friday 2 October 2009 11:15 (30 minutes)

Author: HASEGAWA, Takuya (KEK)

Presenter: HASEGAWA, Takuya (KEK)

Session Classification: Accelerators Session I - convenors Ilias Efthymiopoulos; David Wark

Contribution ID: **19**

Type: **not specified**

Plans for superbeams in Europe

Friday 2 October 2009 11:45 (30 minutes)

Author: DRACOS, Marcos (Univ. Louis Pasteur, CNRS/IN2P3 Strasbourg)

Presenter: DRACOS, Marcos (Univ. Louis Pasteur, CNRS/IN2P3 Strasbourg)

Session Classification: Accelerators Session I - convenors Ilias Efthymiopoulos; David Wark

Contribution ID: 20

Type: **not specified**

35 years after Gargamelle: The Renaissance of "bubble chamber" neutrino physics

Friday 2 October 2009 12:15 (25 minutes)

Presenter: RUBBIA, C. (CERN)

Session Classification: Accelerators Session I - convenors Ilias Efthymiopoulos; David Wark

Contribution ID: 21

Type: **not specified**

Wrap up discussion on beta-beams and superbeams

Friday 2 October 2009 12:40 (20 minutes)

Author: EFTHYMIOUPoulos, I. (CERN)

Presenter: EFTHYMIOUPoulos, I. (CERN)

Session Classification: Accelerators Session I - convenors Ilias Efthymiopoulos; David Wark

Contribution ID: 22

Type: **not specified**

Introduction

Saturday 3 October 2009 09:00 (10 minutes)

Presenter: EFTHYMIPOULOS, I. (CERN)

Session Classification: Accelerators Session II - convenors Ilias Efthymiopoulos; David Wark

Contribution ID: 23

Type: **not specified**

Introduction and front-end: Particle production and capture

Saturday 3 October 2009 09:10 (40 minutes)

Presenter: KIRK, H. (BNL)

Session Classification: Accelerators Session II - convenors Ilias Efthymiopoulos; David Wark

Contribution ID: 24

Type: **not specified**

Cooling and acceleration

Saturday 3 October 2009 09:50 (30 minutes)

Presenter: ZISMAN, M. (LBL)

Session Classification: Accelerators Session II - convenors Ilias Efthymiopoulos; David Wark

Contribution ID: 25

Type: **not specified**

Neutrino factory design study - R&D projects in Europe

Saturday 3 October 2009 10:20 (30 minutes)

Presenter: POZIMSKI, J. (Imperial College)

Session Classification: Accelerators Session II - convenors Ilias Efthymiopoulos; David Wark

Contribution ID: 26

Type: **not specified**

Synergies with LHC and EURISOL projects

Saturday 3 October 2009 11:20 (30 minutes)

Presenter: GAROBY, R. (CERN)

Session Classification: Accelerators Session II - convenors Ilias Efthymiopoulos; David Wark

Contribution ID: 27

Type: **not specified**

From Neutrino-factory to Muon Collider

Saturday 3 October 2009 11:50 (30 minutes)

Presenter: GEER, S. (Fermilab)

Session Classification: Accelerators Session II - convenors Ilias Efthymiopoulos; David Wark

Contribution ID: **28**

Type: **not specified**

Wrap-up discussion on neutrino factory

Saturday 3 October 2009 12:20 (50 minutes)

Presenter: WARK, D. (Imperial College & RAL)

Session Classification: Accelerators Session II - convenors Ilias Efthymiopoulos; David Wark

Contribution ID: 29

Type: **not specified**

Introduction (15 + 5 min)

Friday 2 October 2009 14:00 (20 minutes)

Author: DECLAIS, Yves Rene Andre (Institut de Physique Nucleaire de Lyon (IPNL))

Presenter: DECLAIS, Y. (IPNL, Lyon)

Session Classification: Detectors Session - convenors Dario Autiero; Anselmo Cervera Villanueva

Contribution ID: **30**

Type: **not specified**

Magnetized iron calorimeter (20 + 10 min)

Friday 2 October 2009 14:20 (30 minutes)

Author: NELSON, J. (William & Mary, Virginia)

Presenter: NELSON, J. (William & Mary, Virginia)

Session Classification: Detectors Session - convenors Dario Autiero; Anselmo Cervera Villanueva

Contribution ID: 31

Type: **not specified**

Fully active scintillator detectors (20+10 min)

Friday 2 October 2009 14:50 (30 minutes)

Author: MESSIER, Mark (Indiana University)

Presenter: MESSIER, Mark (Indiana University)

Session Classification: Detectors Session - convenors Dario Autiero; Anselmo Cervera Villanueva

Contribution ID: 32

Type: **not specified**

Liquid Argon R&D (20 + 10 min)

Friday 2 October 2009 15:20 (30 minutes)

Author: MARCHIONNI, Alberto (Eidgenossische Tech. Hochschule Zuerich (ETHZ))

Presenter: MARCHIONNI, A. (ETH Zurich)

Session Classification: Detectors Session - convenors Dario Autiero; Anselmo Cervera Villanueva

Contribution ID: 33

Type: **not specified**

Water Cerenkov experience from Japan + R&D (20 + 10 min)

Friday 2 October 2009 16:10 (30 minutes)

Author: AIHARA, H.

Presenter: AIHARA, H.

Session Classification: Detectors Session - convenors Dario Autiero; Anselmo Cervera Villanueva

Contribution ID: 34

Type: **not specified**

Underground facilities technological challenges (15 + 5 min)

Friday 2 October 2009 16:40 (20 minutes)

Author: SPOONER, Neil (University of Sheffield)

Presenter: SPOONER, Neil (University of Sheffield)

Session Classification: Detectors Session - convenors Dario Autiero; Anselmo Cervera Villanueva

Contribution ID: 35

Type: **not specified**

Photodetectors R&D for cost effective PMs, MPPC (15+5 min)

Friday 2 October 2009 17:00 (20 minutes)

Presenter: NAKAYA, T. (Kyoto University)

Session Classification: Detectors Session - convenors Dario Autiero; Anselmo Cervera Villanueva

Contribution ID: 36

Type: **not specified**

Cost effective electronics for LAr and photodetectors readout (15 + 5 min)

Friday 2 October 2009 17:20 (20 minutes)

Presenter: CENTRO, S. (University Padova)

Session Classification: Detectors Session - convenors Dario Autiero; Anselmo Cervera Villanueva

Contribution ID: 37

Type: **not specified**

Round table

Friday 2 October 2009 17:40 (1 hour)

Session Classification: Detectors Session - convenors Dario Autiero; Anselmo Cervera Villanueva

Contribution ID: **38**

Type: **not specified**

Summaries from the sessions

Saturday 3 October 2009 14:00 (40 minutes)

Brief, executive summaries to be prepared within the sessions themselves. These summaries will be handed out to the SPC pannel and CERN management very shortly. Expect short presentations (couple slides with main points and a single slide of manifesto).

14.00 - 14.10 Summary of theoretical session (Silvia Pascoli) (5+5)

14.10 - 14.25 Summary of accelerator session (Ilias Efthimiopoulos/Dave Wark) (7+7)

14.25 - 14.40 Summary of detector session (Anselmo Cervera or Dario Autiero) (7+7)

Session Classification: Summary and conclusions - convenor Alain Blondel

Contribution ID: 39

Type: **not specified**

Round table discussion of the wish lists

Saturday 3 October 2009 14:40 (30 minutes)

Session Classification: Summary and conclusions - convenor Alain Blondel

Contribution ID: 40

Type: **not specified**

Next steps

Saturday 3 October 2009 15:40 (20 minutes)

Session Classification: Summary and conclusions - convenor Alain Blondel

Contribution ID: 41

Type: **not specified**

Round table discussion: European Strategy for Future Neutrino Physics

Saturday 3 October 2009 16:00 (1 hour)

Discussion panel:

M. Mezzetto, M. Zisman, Y.K. Kim, K. Nishikawa, A. Rubbia,
S. Katsanevas, M. Lindner, S. Myers, K. Long

Session Classification: Summary and conclusions - convenor Alain Blondel

Contribution ID: 42

Type: **not specified**

Concluding remarks

Saturday 3 October 2009 17:00 (15 minutes)

Session Classification: Summary and conclusions - convenor Alain Blondel

Contribution ID: 43

Type: **not specified**

Neutrino oscillation experiments - Reactor experiments

Thursday 1 October 2009 10:10 (10 minutes)

Author: LASSERRE, Thierry

Presenter: LASSERRE, Thierry

Session Classification: Introductory Session - convenor Peter Dornan

Contribution ID: 44

Type: **not specified**

Neutrino oscillation experiments - Accelerator experiments

Thursday 1 October 2009 10:20 (10 minutes)

Author: TOURAMANIS, Christos (University of Liverpool)

Presenter: TOURAMANIS, Christos

Session Classification: Introductory Session - convenor Peter Dornan

Contribution ID: 45

Type: **not specified**

Neutrino mass measurement - Longer term prospects

Thursday 1 October 2009 12:00 (30 minutes)

Author: ZUBER, Kai

Presenter: ZUBER, Kai

Session Classification: Introductory Session - convenor Peter Dornan

Contribution ID: 46

Type: **not specified**

Borexino - Low Energy neutrinos from the Sun and the Earth

Thursday 1 October 2009 18:30 (5 minutes)

Author: IANNI, Aldo

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 47

Type: **not specified**

Charm searches and kinematical analysis with the OPERA experiment

Thursday 1 October 2009 18:35 (5 minutes)

Author: DI CAPUA, Francesco

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 48

Type: **not specified**

Recent Results from the MINOS Experiment

Thursday 1 October 2009 18:40 (5 minutes)

Author: GRANT, Nick

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 49

Type: **not specified**

T2K neutrino oscillation experiment

Thursday 1 October 2009 18:45 (5 minutes)

Author: STILL, Ben

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 50

Type: **not specified**

A Search for $\nu\mu \rightarrow \nu e$ Oscillations in the MINOS Experiment

Thursday 1 October 2009 18:50 (5 minutes)

Author: EVANS, Justin

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 51

Type: **not specified**

The Low Energy Neutrino Factory

Thursday 1 October 2009 18:55 (5 minutes)

Author: LI, Tracey

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 52

Type: **not specified**

Study of the SPL-Frejus neutrino Super Beam performance using a solid target

Thursday 1 October 2009 19:00 (5 minutes)

Author: LONGHIN, Andrea

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 53

Type: **not specified**

R&D towards the MEMPHYS detector

Thursday 1 October 2009 19:05 (5 minutes)

Author: MARAFINI, Michela

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 54

Type: **not specified**

Large Underground Observatory for Proton Decay, Neutrino Astrophysics and CP-violation in the Lepton Sector (GLACIER)

Thursday 1 October 2009 19:10 (5 minutes)

Authors: CURIONI, Alessandro; HORIKAWA, S.

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 55

Type: **not specified**

Neutrino Detector in Armenia

Thursday 1 October 2009 19:15 (5 minutes)

Author: IOANNISYAN, Ara

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 56

Type: **not specified**

Large Apparatus for Grand Unification and Neutrino Astrophysics (LAGUNA)

Thursday 1 October 2009 19:20 (5 minutes)

Authors: CURIONI, Alessandro; HORIKAWA, S.

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 57

Type: **not specified**

Search for Flavor Changing Neutral Currents (FCNC) at LHC with tagged neutrino beam directed into Lake Geneva

Thursday 1 October 2009 19:25 (5 minutes)

Author: Prof. VESZTERGOMBI, G. (KFKI Research Insitute)

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 58

Type: **not specified**

The Emulsion Scanning System in the OPERA experiment

Thursday 1 October 2009 19:30 (5 minutes)

Author: JUGET, Frederic

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 59

Type: **not specified**

OPERA: Electronic Detectors

Thursday 1 October 2009 19:35 (5 minutes)

Author: MEREGAGLIA, A.

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: **60**

Type: **not specified**

Cold front-end electronics and Ethernet-based DAQ systems for large LAr TPC readout

Thursday 1 October 2009 19:40 (5 minutes)

Author: GIRERD, Claude

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 61

Type: **not specified**

Neutrino-nucleus cross-sections: a unified theoretical approach for nucleon knock-out, coherent and incoherent pion production

Thursday 1 October 2009 19:45 (5 minutes)

Author: MARTINI, Marco

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 62

Type: **not specified**

Neutral current π^0 production

Thursday 1 October 2009 19:50 (5 minutes)

Author: PRZEWLOCKI, Pawel

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 63

Type: **not specified**

Alternative approach to extraction of oscillation parameters

Thursday 1 October 2009 19:55 (5 minutes)

Author: SOBCZYK, Jan

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 64

Type: **not specified**

Preliminary results of NA61/SHINE at the CERN SPS on pion production in p+C interactions at 31 GeV/c for T2K

Thursday 1 October 2009 20:00 (5 minutes)

Author: PALCZEWSKI, Tomasz

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 65

Type: **not specified**

Pion cross-sections from HARP-CDP or from the HARP Collaboration?

Thursday 1 October 2009 20:05 (5 minutes)

Author: DYDAK, Friedrich

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 66

Type: **not specified**

Measurement of the atmospheric muon charge ratio with the magnetic spectrometers of the OPERA detector at Gran Sasso

Thursday 1 October 2009 20:10 (5 minutes)

Author: SIOLI, Maximiliano

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 67

Type: **not specified**

CMS: Cosmic muons in simulation and measured data

Thursday 1 October 2009 20:15 (5 minutes)

Author: SONNENSCHN, Lars

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: **68**

Type: **not specified**

Lepton-Flavor violation in a neutrino mass model with discrete S_3 symmetry

Thursday 1 October 2009 20:20 (5 minutes)

Author: LESER, Philipp

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 69

Type: **not specified**

Baseline-dependent neutrino oscillations in asymmetrically-warped spacetimes

Thursday 1 October 2009 20:25 (5 minutes)

Author: HOLLENBERG, Sebastian

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 70

Type: **not specified**

Multiparameter approach to R-parity violating supersymmetric couplings

Thursday 1 October 2009 20:30 (5 minutes)

Author: TAHIR, Farida

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 71

Type: **not specified**

SPL-based Proton Driver for a neutrino Factory at CERN

Thursday 1 October 2009 20:35 (5 minutes)

Author: BENEDETTO, Elena

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 72

Type: **not specified**

The Proton Driver Front End prototype

Thursday 1 October 2009 20:40 (5 minutes)

Author: JENNER, Leo

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 73

Type: **not specified**

The MERIT High-Power target experiment at the CERN PS

Thursday 1 October 2009 20:45 (5 minutes)

Author: EFTHYMIPOULOS, Ilias (CERN)

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 74

Type: **not specified**

Solid target for a neutrino factory

Thursday 1 October 2009 20:50 (5 minutes)

Author: SKORO, Goran P.

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 75

Type: **not specified**

Neutrino Factory Front-End: muon capture and cooling optimization

Thursday 1 October 2009 20:55 (5 minutes)

Author: PRIOR, Gersende

Presenter: PRIOR, Gersende

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 76

Type: **not specified**

The Normal Conducting RF Cavity for the MICE Experiment

Thursday 1 October 2009 21:00 (5 minutes)

Author: ZISMAN, Michael

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 77

Type: **not specified**

MICE Particle Identification System

Thursday 1 October 2009 21:05 (5 minutes)

Author: BOGOMILOV, Mariyan

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 78

Type: **not specified**

Progress on the MuCool and MICE Coupling Coils

Thursday 1 October 2009 21:10 (5 minutes)

Author: ZISMAN, Michael

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 79

Type: **not specified**

Progress on the Fabrication and Testing of the MICE Spectrometer Solenoids

Thursday 1 October 2009 21:15 (5 minutes)

Author: ZISMAN, Michael

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: **80**

Type: **not specified**

The MICE Tracker System

Thursday 1 October 2009 21:20 (5 minutes)

Author: FREEMIRE, Ben

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: **81**

Type: **not specified**

MICE, other application

Thursday 1 October 2009 21:25 (5 minutes)

Author: RAYNER, Mark

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: **82**

Type: **not specified**

Radioactive-Ions Production Ring for Beta-Beams

Thursday 1 October 2009 21:30 (5 minutes)

Author: BENEDETTO, Elena

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: **83**

Type: **not specified**

Modify HERA to accelerate beta beams

Thursday 1 October 2009 21:35 (5 minutes)

Author: STAHL, Achim

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: **84**

Type: **not specified**

He-6 for beta beams

Thursday 1 October 2009 21:40 (5 minutes)

Author: LAUSCHER, Markus

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 85

Type: **not specified**

Limitations in the use of Barrier Buckets in the Beta Beam Decay Ring for the FP7 Scenario

Thursday 1 October 2009 21:45 (5 minutes)

Author: HANSEN, Christian

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: **86**

Type: **not specified**

LENA –Low Energy Astronomy

Thursday 1 October 2009 21:50 (5 minutes)

Author: OBERAUER, L.

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 87

Type: **not specified**

Towards the detection of cosmological relic neutrinos with neutrino capture on beta decaying nuclei

Thursday 1 October 2009 21:55 (5 minutes)

Author: MESSINA, Marcello

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: 88

Type: **not specified**

A 10-ton scale Nd-liquid scintillator experiment to search for neutrinoless double beta decay of ^{150}Nd and requirements for Nd isotopic enrichment

Thursday 1 October 2009 22:00 (5 minutes)

Author: CATTADORI, C.

Session Classification: Poster session - convenor Ewa Rondio

Contribution ID: **89**

Type: **not specified**

Physics with low energy neutrino beams

Thursday 1 October 2009 22:05 (5 minutes)

Author: VOLPE, Cristina

Session Classification: Poster session - convenor Ewa Rondio