Session Program

1 October 2009 to 15 November 2009

Yellow Report - Future Neutrino Physics Workshop

Poster session - convenor Ewa Rondio

CERN, 500/1-001 - Main Auditorium

Thursday 1 October

18:30

Poster session - convenor Ewa Rondio

Session | **Location:** CERN, 500/1-001 - Main Auditorium

18:30–18:35 **Borexino - Low Energy neutrinos from the Sun and the Earth**

18:35–18:40 **Charm searches and kinematical analysis with the OPERA experiment**

18:40–18:45 **Recent Results from the MINOS Experiment**

18:45–18:50 **T2K neutrino oscillation experiment**

18:50–18:55 **A Search for νμ—›νe Oscillations in the MINOS Experiment**

18:55–19:00 **The Low Energy Neutrino Factory**

19:00–19:05
Study of the SPL-Frejus neutrino Super Beam performanceusing a solid target

19:05–19:10 **R&D towards the MEMPHYS detector**

19:10–19:15
Large Underground Observatory for Proton Decay, Neutrino Astrophysics and CP-violation in the Lepton Sector (GLACIER)

19:15–19:20 **Neutrino Detector in Armenia**

19:20–19:25
Large Apparatus for Grand Unification and Neutrino Astrophysics (LAGUNA)

19:25–19:30
Search for Flavor Changing Neutral Currents (FCNC) at LHC with tagged neutrino beam directed into Lake Geneva

19:30–19:35 **The Emulsion Scanning System in the OPERA experiment**

19:35–19:40 **OPERA: Electronic Detectors**

19:40–19:45
Cold front-end electronics and Ethernet-based DAQ systems for large LAr TPC readout

19:45–19:50
Neutrino-nucleus cross-sections: a unified theoretical approach for nucleon knock-out, coherent and incoherent pion production

19:50–19:55 **Neutral current π0 production**

19:55–20:00 **Alternative approach to extraction of oscillation parameters**

20:00–20:05
Preliminary results of NA61/SHINE at the CERN SPS on pion productionin p+C interactions at 31 GeV/c for T2K

20:05–20:10 **Pion cross-sections from HARP-CDP or from the HARP Collaboration?**

20:10–20:15
Measurement of the atmospheric muon charge ratio with the magnetic spectrometers of the OPERA detector at Gran Sasso

20:15–20:20 **CMS: Cosmic muons in simulation and measured data**

20:20–20:25
Lepton-Flavor violation in a neutrino mass model with discrete S3 symmetry

20:25–20:30
Baseline-dependent neutrino oscillations in asymmetrically-warped spacetimes

20:30–20:35
Multiparameter approach to R-parity violating supersymmetric couplings

20:35–20:40 **SPL-based Proton Driver for a neutrino Factory at CERN**

20:40–20:45 **The Proton Driver Front End prototype**

20:45–20:50 **The MERIT High-Power target experiment at the CERN PS**

20:50–20:55 **Solid target for a neutrino factory**

20:55–21:00 **Neutrino Factory Front-End: muon capture and cooling optimization**

Speaker
Gersende Prior

21:00–21:05 **The Normal Conducting RF Cavity for the MICE Experiment**

21:05–21:10 **MICE Particle Identification System**

21:10–21:15 **Progress on the MuCool and MICE Coupling Coils**

21:15–21:20
Progress on the Fabrication and Testing of the MICE Spectrometer Solenoids

21:20–21:25 **The MICE Tracker System**

21:25–21:30 **MICE, other application**

21:30–21:35 **Radioactive-Ions Production Ring for Beta-Beams**

21:35–21:40 **Modify HERA to accelerate beta beams**

21:40–21:45 **He-6 for beta beams**

21:45–21:50
Limitations in the use of Barrier Buckets in the Beta Beam Decay Ring for the FP7 Scenario

21:50–21:55 **LENA – Low Energy Astronomy**

21:55–22:00
Towards the detection of cosmological relic neutrinos with neutrino capture on beta decaying nuclei

22:00–22:05
A 10-ton scale Nd-liquid scintillator experiment to search for neutrinoless double beta decay of 150Nd and requirements for Nd isotopic enrichment

22:05–22:10 **Physics with low energy neutrino beams**

22:10