

Session Program

17-24 Jul 2013



HEP 2013
Stockholm
18-24 July 2013



EPS HEP 2013 Stockholm

Neutrino Physics

KTH and Stockholm University Campus

Friday 19 July

14:30

Neutrino Physics

Session | Location: KTH Campus, D3

14:30–14:55

The latest results from T2K on the neutrino oscillation and interactions

Speaker

Michael Wilking

14:55–15:10

Recent results of the OPERA neutrino experiment

Speaker

Alessandra Pastore

15:10–15:25

NOvA Experiment

Speaker

Abbey Waldron

15:25–15:45

Double Chooz experiment

Speaker

Dr Christian Buck

15:45–16:00

Precise Measurement of Electron Antineutrinos Disappearance From the Daya Bay Experiment

Speaker

Rupert Leitner

16:00–16:15

Hadron production measurement from NA61/SHINE

Speaker

Dr Alexander Korzenev

16:15–16:30

Charged Current Quasi-Elastic Scattering at MINERvA

Speaker

Cheryl Patrick

16:30

17:00

Neutrino Physics

Session | Location: KTH Campus, D3

17:00–17:25

Analysis of oscillations with 3 and 3+N neutrinos

Speaker

Michele Maltoni

17:25–17:40

Leptonic CP Violation in Neutrino Oscillation Experiments

Speaker

Shun Zhou

17:40–17:55

A lepton CP violation discovery experiment using a unique neutrino Super Beam

Speaker
Tord Johan Carl Ekelof

17:55–18:10 **The Hyper-Kamiokande project**

Speakers
Hide-Kazu Tanaka, Hidekazu TANAKA

18:10–18:25

Complementarity between long-baseline and atmospheric neutrino experiments

Speaker
Sushant Raut

18:25–18:40 **LBNE in the Precision Era of Neutrino Oscillation**

Speaker
Elizabeth Worcester

18:40–18:55 **Hierarchy and Octant determination potential of LBNE and LBNO**

Speaker
Sankagiri Umasankar

19:20

Saturday 20 July

09:00

Neutrino Physics

Session | Location: KTH Campus, E2

09:00–09:25 **First results on neutrinoless $\beta\beta$ decay from GERDA experiment**

Speaker

Carla Maria Cattadori

09:25–09:45 **Search for $2\nu\beta\beta$ - and $0\nu\beta\beta$ -decay with EXO**

Speaker

Tamer Tolba

09:45–10:00 **Results of NEMO-3 and status of SuperNEMO**

Speaker

Pawel Guzowski

10:00–10:15 **Status of the CUORE program in neutrinoless double beta decay**

Speaker

Thomas Banks

10:15–10:30

The NEXT-100 experiment for Neutrinoless Double Beta decay: Main features, Results from Prototypes and Radio-Purity issues.

Speaker

Javier Pérez Pérez

10:35

11:00

Neutrino Physics

Session | Location: KTH Campus, E2

11:00–11:15 **SNO+**

Speaker

Matthew Mottram

11:15–11:30 **Status of the KATRIN Experiment**

Speaker

Marco Haag

11:30–11:45 **Neutrino properties from cosmology**

Speaker

Steen Hannestad

11:45–12:10 **Experimental review of sterile neutrino searches**

Speaker

david Ihuillier

12:10–12:30

Borexino: recent solar and terrestrial neutrino results and description of the SOX project

Speaker
Gioacchino Ranucci

12:30–12:45 **Sterile neutrinos in the 3+1 scenario and solar data**

Speaker
Joao Pulido

12:45–13:00 **Electromagnetic properties of neutrinos: a window to New Physics**

Speaker
Alexander Studenikin

13:00