

Session Program

23-27 Jun 2014



NBIA PhD-School: Neutrinos underground & in the heavens

Problems Class/Student Talks

Niels Bohr Institute, Auditorium A
Blegdamsvej 17 DK-2100 Copenhagen Denmark

Monday 23 June

16:00
17:30

Problems Class/Student Talks: Session 1
Session | **Location:** NBI, Aud A

Tuesday 24 June

16:00

Problems Class/Student Talks: Session 2

Session | **Location:** NBI, Aud A

16:00–16:20

Search for astrophysical neutrinos with IceCube

Speaker

Ms Kiran Munawar

16:20–16:40

Detection of prompt atmospheric neutrinos with IceCube

Speaker

Ms Hadis Bagherpour

16:40–17:00

A Search for Astrophysical Neutrino Sources in the Southern Hemisphere using the IceCube Neutrino Observatory

Speaker

Mr Rickard Stroem

17:00–17:20

Indirect Detection of Dark Matter using IceCube

Speaker

Mr Morten Medici

17:20–17:40

Low-energy tau searches with IceCube

Speaker

Michael Larson

18:00

Wednesday 25 June

16:00

Problems Class/Student Talks: Session 3

Session | **Location:** NBI, Aud A**16:00–16:20** **Diffraction studies at the LHC****Speaker**

Mr Simon Stark Mortensen

16:20–16:40 **Scattering Amplitudes****Speaker**

Mr Mads Sogaard

16:40–17:00 **Neutrinos and hard probes in heavy ion collisions****Speaker**

Alexander Hansen

17:00–17:20 **ICARUS T600 experiment: latest results and perspectives****Speaker**

Marta Torti

17:20–17:40 **Enceladus Explorer project****Speaker**

Franziska Scholz

17:40–18:00 **Problems session**

18:20

Thursday 26 June

16:00

Problems Class/Student Talks: Session 4

Session | **Location:** NBI, Aud A

16:00–16:20

ESSnuSB - The European Spallation Source Neutrino Super Beam**Speaker**

Mr Alexander Burgman

16:20–16:40

The nuMSM: Successes and shortcomings**Speaker**

Mr Kyle Allison

16:40–17:00

(Re)constructing Finite Non-Abelian Flavour Groups**Speaker**

Mr Jim Talbert

17:00–17:20

A Perturbation Parable: Relating the neutrino oscillation parameters**Speaker**

Ms Soumita Pramanick

17:20–17:40

Coincidence Measurements for Gerda Phase II**Speaker**

Ms Katharina von Sturm

17:40–18:00

Problems session

18:20

Friday 27 June

16:00

Problems Class/Student Talks: Problems Class/Student Talks

Session | Location: NBI, Aud A

16:00–16:20

CeSOX: an antineutrino generator to test for an eV-scale sterile neutrino

Speaker

Mr Mathieu Durero

16:20–16:40

Measurements of the T2K experiment

Speaker

Ms Weronika Warzycha

16:40–17:00

Searches for Dark Matter induced neutrinos.

Speaker

Ms Katarzyna Frankiewicz

17:00–17:20

Model free data fitting

Speaker

Mr Jeppe Trøst Nielsen

17:30