

Session Program

17-24 Jul 2013



HEP 2013
Stockholm
18-24 July 2013



EPS HEP 2013 Stockholm

Astroparticle Physics

KTH and Stockholm University Campus

Thursday 18 July

09:00

Astroparticle Physics

Session | Location: KTH Campus, D2

09:00–09:30 **Recent Developments in Neutrino Astronomy in Ice and Water**

Speaker
Claudio Kopper

09:30–09:45 **Neutrinos from charm production in the atmosphere**

Speaker
Rikard Enberg

09:45–10:00 **Anisotropy studies with the Pierre Auger Observatory**

Speaker
Ugo Giaccari

10:00–10:15

Hunting for cosmic neutrinos deep under the sea: The ANTARES experiment

Speaker
Annarita Margiotta

10:15–10:30 **First Light with the HAWC Gamma-Ray Observatory**

Speaker
Stefan Westerhoff

10:35

11:00

Astroparticle Physics

Session | Location: KTH Campus, D2

11:00–11:30 **Indirect Dark Matter Detection: Gamma Rays**

Speaker
Brandon Anderson

11:30–11:45 **Latest Results on Searches for Dark Matter from IceCube**

Speaker
Matthias Danninger

11:45–12:00

Deep survey of the Segue 1 dwarf spheroidal galaxy with the MAGIC Telescopes

Speaker
Jelena Aleksic

12:00–12:15 **Potential of LHC to determine the Dark Matter properties in IDM**

Speaker
Dorota Sokolowska

12:15–12:30

Microwave background and neutrino telescope likelihoods for global fits, and implications for the MSSM

Speaker

Pat Scott

12:30–12:45 **Vector dark matter and Fermi LAT gamma ray line****Speaker**

Osamu Seto

12:45–13:00

Constraining dark matter capture and annihilation cross sections by searching for neutrino signature from the Earth core**Speaker**

Guey-Lin Lin

13:05

14:30

Astroparticle Physics**Session** | **Location:** KTH Campus, D214:30–15:00 **Status of Direct Dark Matter Detection with Cryogenic Detectors****Speaker**

Jean-Côme Lanfranchi

15:00–15:15 **Recent Results from the XENON Experiment****Speaker**

Ms Annika Behrens

15:15–15:30 **Semi-annihilating scalar dark matter****Speaker**

Kristjan Kannike

15:30–15:45 **The CAST experiment: results and perspectives****Speaker**

Mr Theopisti Dafni

15:45–16:00 **Impact of axion-like particles on observations with IACTs****Speaker**

Manuel Meyer

16:00

16:30

Astroparticle Physics**Session** | **Location:** KTH Campus, D216:30–17:00 **Measurement of Cosmic Rays with the AMS-02 detector on the ISS****Speaker**

Melanie Heil

17:00–17:15

Particle physics measurements at the highest energies with the Pierre Auger Observatory**Speaker**

Sofia Andringa Dias

17:15–17:30

Measurement of the Energy Spectrum of Cosmic Rays above $3 \cdot 10^{17}$ eV at the Pierre Auger Observatory

Speaker
Ioana Maris

17:30-17:45 **Physics results of the LHCf experiment**

Speaker
Alessia Tricomi

17:45-18:00 **High-energy cosmic rays measured with KASCADE-Grande**

Speaker
Andreas Haungs

18:00-18:15 **Results in astroparticle physics from the ARGO-YBJ experiment**

Speaker
Dr Paolo Camarri

18:15-18:30 **Experimentally Viable Mass of the Fermionic Dark Matter**

Speaker
Ho-Chin Tsai

18:30