

Session Program

23-25 Nov 2020

**Partikeldagarna 2020 (virtual), organised by
Uppsala**

Tuesday afternoon

Tuesday 24 November

14:00

Tuesday afternoon: Tuesday afternoon

Session | **Location:** | **Conveners:** David Marsh, Christian Ohm

14:00–14:45 Deep Learning meets Physics

Speaker

Prof. Martin Erdmann

14:45–15:00

Exploring the high energy neutrino universe: IceCube, the IceCube Upgrade, and IceCube-Gen2

Speaker

Dr Erin O'Sullivan

15:00–15:15

Radio detection of ultra-high energy neutrinos

Speaker

Christian Glaser

15:15–15:30

Revitalising longitudinal plasmon-axion conversion

Speaker

Alexander Millar

15:30–15:33

Geometry Calibration of the IceCube Detector

Speaker

Matti Jansson

15:33–15:36

Measurement of the snow accumulation in Antarctica with a neutrino radio detector and extension to measure the index-of-refraction profile.

Speaker

Jakob Beise

15:36–15:39

Searching for local group supernovae using high-energy neutrinos from CSM interaction

Speaker

Nora Valtonen-Mattila

15:39–15:42

Study of X-ray selected blazars with IceCube data

Speaker

Ankur Sharma

15:42–15:45

Phase transition configurations in de Sitter are $O(4)$ symmetric

Speaker

Dr José Eliel Camargo Molina

16:00–16:15

Coffee Break

16:15-16:30 Overview of BSM physics in ATLAS Sweden**Speaker**

Patrawan Pasuwan

16:30-16:45 ATLAS HL-LHC Upgrade**Speaker**

Eleni Myrto Asimakopoulou

16:45-17:00 HighNESS and Future Free Neutron Oscillation Searches @ ESS**Speaker**

Valentina Santoro

17:00-17:15**A Neutron-Antineutron Annihilation Detector for the NNBAR Experiment****Speaker**

Katherine Dunne

17:15-17:18 Trigger-level analysis in ATLAS**Speaker**

Caterina Marcon

17:18-17:21**Collision muons analysis using the Tile Calorimeter of the ATLAS detector****Speaker**

Stefio Yosse Andrean

17:21-17:24 ZH spin-off analysis**Speaker**

Christina Dimitriadi

17:24-17:27 Dark Mesons at the LHC**Speaker**

Olga Sunneborn Gudnadottir

17:27-17:30 Cosmic ray backgrounds at the NNBAR experiment**Speaker**

Sze Chun Yiu

17:30-17:45 Flash talk questions

17:45