

Session Program

2-3 Oct 2019

Partikeldagarna 2019

Wed morning session

Linköping University, Planck, Fysikhuset

Wednesday 2 October

10:20

Wed morning session: MAX IV & Astroparticle physics, including neutrinos and Dark Matter

Session | **Location:** Linköping University, Planck, Fysikhuset | **Convener:** Caterina Doglioni

10:20–10:40 **MAX IV Status (15+5)**

Speaker

Bernhard Meirose

10:40–11:00

Direct detection of low-mass dark matter with strong matter interactions -- 15+5

Speaker

Dr Timon Emken

11:00–11:20

Measuring the local dark matter density at direct detection experiments -- 15+5

Speakers

Riccardo Catena, Riccardo Catena

11:20–11:40

Local dark matter density from the Milky Way's rotation curve using Gaia DR2 data -- 15+5

Speaker

Pablo Fernández de Salas

11:40–12:00

Update on the Neutrino Observatory in ice with radio technique -- 15+5

Speaker

Prof. Allan Hallgren

12:00–12:20

Results from IceCube and the path to the Upgrade and Gen2 -- 15+5

Speaker

Chad Finley

12:20–12:40

The Hyper-Kamiokande Experiment -- 15+5

Speakers

Dr Erin O'Sullivan, Erin O'Sullivan, Erin O'Sullivan

12:40–13:00

ESSnuSB: physics reach and instrumentation development -- 15+5

Speaker

Mattias Blennow

13:00