

Session Program

23-25 Nov 2020

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

Wednesday morning

Wednesday 25 November

09:00

Wednesday morning

Session | **Location:** | **Conveners:** Elin Bergeaas Kuutmann, Rikkert Frederix

09:00–09:15

Light sterile neutrino thermalisation in 3+1 and low reheating scenarios

Speaker

Pablo Fernández de Salas

09:15–09:30

Flamedisx: Fast likelihood analysis in more dimensions for xenon TPCs

Speaker

Pueh-Leng Tan

09:30–09:45

Thermal WIMPs on the Brink

Speaker

Tim Linden

09:45–10:00

A careful look at phase transitions in the Standard Model Effective Field Theory (SMEFT)

Speaker

Dr José Eliel Camargo Molina

10:00–10:15

Observing soft-spectrum gamma-ray sources with the future ALTO observatory

Speaker

Mohanraj Senniappan

10:15–10:30

Coffee Break

10:30–10:40

The next step of ALTO: The Cosmic Multiperspective Event Tracker (COMET)

Speaker

Gaspar Kukec Mezek

10:40–10:50

Novel crystal responses to general dark matter-electron interactions

Speaker

Einar Urdshals

10:50–11:05

LHCb research in Uppsala

Speaker

Lars Eklund

11:05–11:20

Lund group's activities in ALICE at LHC

Speaker

David Silvermyr

12:00

11:20-11:23

Dark matter constraints from measurements of cosmic-ray positrons

Speaker

Isabelle John

11:23-11:26

Cross-cutting initiatives in dark matter related to the European Strategy and the Snowmass process

Speaker

Caterina Doglioni

11:26-11:29

Dark matter at future colliders, astrophysics and non-collider experiments

Speaker

Rebeca Gonzalez Suarez

11:29-11:32

neos: Physics analysis as a differentiable program

Speaker

Mr Nathan Daniel Simpson

11:32-11:47

Flash talk questions