

**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

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**

12:00