

Session Program

17-18 Sept 2026



Partikeldagarna 2026

Session 4

Lund University, Physics Department, A-salen (L317)
Sölvegatan 14, Lund

Thursday 17 September

16:00

Session 4

Session | **Location:** Lund University, Physics Department, A-salen (L317), Sölvegatan 14, Lund

16:00–16:15

Exploring phase transitions and gravitational waves in the conformal two-Higgs-doublet model (C2HDM).

Speaker

Mårten Bertenstam

16:15–16:30

Search results for Higgs boson pair production in the $\tau\tau$ final state from ATLAS using Run 2 and Run 3 data

Speaker

Philipp Rincke

16:30–16:45

Overview of fake tau background methods and their use in the type-II seesaw searches

Speaker

Lara Calic

16:45–17:00

Normalising flows for all-orders QED corrections in lattice quantum field theory

Speaker

Nils Hermansson Truedsson

17:00–17:15

5D Unified Theories: from general principles to an SU(6) example

Speaker

Anca Preda

17:15–17:30

Exploring SU(6) based 5 dimensional Grand Unification Theory

Speaker

Alejandro Pierola Cervantes

17:30–17:45

Renormalisable four-fermion interactions in four dimensions

Speaker

Charlie Cresswell-Hogg

17:45–18:00

Field Theory for Neutronics

Speaker

Jacob Persson

18:30