

Session Program

Jun 5 - 6, 2025

Swiss Cosmology Days 2025 - ETH Zurich

Simulations

ETH Zurich, Siemens Auditorium (HIT E 51)
Wolfgang-Pauli-Strasse 27 HIT Building CH-8093 Zürich

Thu, June 5

2:45 PM

Simulations

Session |**Location:** ETH Zurich, Siemens Auditorium (HIT E 51), Wolfgang-Pauli-Strasse 27 HIT Building CH-8093 Zürich

14:45 - 15:00

Cosmology at small scales: combining probes with the baryonification method**Speaker**

Aurel Schneider

15:00 - 15:15

Fast Simulation of Cosmological Neutral Hydrogen based on the Halo Model**Speaker**

Pascal Hitz

15:15 - 15:30

Interpretable Machine Learning for Constraining Self-Interacting Dark Matter in Galaxy Clusters**Speaker**

Ethan Tregidga

15:30 - 15:45

Speeding up galaxy evolution simulations with machine learning**Speaker**

Elif Ozlem Adiguzel

3:45 PM