

Session Program

30 March 2026 to 2 April 2026

AI + Astronomy: Models, Data, Discovery

Session 4

Bernoulli Center, EPFL Campus, GA 321
GA Building - Station 5 - 1015 Lausanne

Wednesday 1 April

10:50

Session 4: Astronomical Large Models (continued)

Session | Location: Bernoulli Center, EPFL Campus, GA 321, GA Building - Station 5 - 1015 Lausanne

10:50–11:10 **AI foundation models for large-scale structure cosmology**

Speaker

Tomasz Kacprzak

11:10–11:25 **Improving cosmological inference with simulation based inference**

Speaker

Antoine Rocher

11:25–11:45 **How Can LLMs Reshape Astronomy Research?**

Speaker

Zechang Sun

11:45–12:05 **Advancing Cosmology through Artificial Intelligence**

Speaker

Huanyuan Shan

12:05–12:20

From Photoionisation Models to Machine Learning: Interpreting Star Formation and AGN in High-Redshift Galaxies

Speaker

Adele Plat

12:20