

## **print('Hello Future'): Developing Next Generation Astronomical Codes**

### **Schedule**

#### **Talks**

##### **Thursday 16h15-17h45**

16h15: Introducing L-Galaxies AD: Differentiable Semi-Analytic Galaxy Modelling for Scalable Inference (Andrew Green)

16h30: GPU-accelerating CMB cosmology with state of the art ODE solvers (Lawrence Berry)

16h45: A Scalable Frozen-Core Approach to Topological Filament Finding in Large Cosmological Simulations (Ankit Singh)

17h00: AstroPhot: fitting everything everywhere all at once in astronomical images (Online) (Connor Stone)

17h15: Attention-Based Preprocessing Framework for Improving Rare Transient Classification (Xinyue Sheng)

17h30: Differentiable and Emulated Radiative Transfer for On-the-Fly Astrophysical Simulations (Lorenzo Branca)