

## **Session Program**

**2-7 Jun 2024**

# **Exploring the Dark Side of the Universe Tools 2024 - 5th World Summit**

## ***Cosmology 4***

Île de Noirmoutier, France  
'Village des Quatre Vents' L'Épine

# Friday 7 June

11:00

## Cosmology 4: Intensity mapping and artificial intelligence in cosmology

**Session** | **Location:** Île de Noirmoutier, France, "Village des Quatre Vents" L'Épine | **Convener:**  
Narei Lorenzo Martinez

11:00–11:25 **BAO Cosmology with Hydrogen Intensity Mapping and HIRAX**

**Speaker**  
Devin Crichton

11:25–11:50 **Measuring the Universe with Artificial Intelligence.**

**Speaker**  
Miguel Aragon-Calvo

11:50–12:15  
**Brokers, recommendation systems and adaptable machine learning: preparing for precision cosmology in the Rubin era**

**Speaker**  
Emille Ishida

12:15–12:30  
**Standardized benchmark for field-level cosmological inference of galaxy surveys**

**Speaker**  
Simon Hugo Onfroy

12:30