

## **Session Program**

**9-13 Jan 2023**

# **8th International Conference on High Energy Physics in the LHC Era**

## ***Parallel Session D***

Universidad Técnica Federico Santa María, Building T  
Avda. España 1680, Valparaíso, Chile

# Tuesday 10 January

16:40

## Parallel Session D: Particle detectors and Instrumentation

**Session** | **Location:** Universidad Tecnica Fereico Santa Maria, Room C226, Building C

16:40–17:00 **ATLAS ITk Pixel Detector Overview**

**Speaker**  
Prof. Serguei Kuleshov

17:00–17:20  
**Bent crystal extraction from lepton storage rings: the SHERPA experiment**

**Speaker**  
Marco Garattini

17:20–17:40  
**Redefining Performance: New Techniques for ATLAS Jet & MET Calibration**

**Speaker**  
Mr Louis Ginabat

17:40–18:00  
**Depth sensing for automatic detector construction and quality control**

**Speaker**  
Gabriela Hamilton

18:00

## Thursday 12 January

14:30

### Parallel Session D: Particle detector and Instrumentation

**Session** | **Location:** Universidad Tecnica Federico Santa Maria, Room C225, Building C

14:30–14:50

#### Results from muon reconstruction performance with ATLAS at Run-3

**Speaker**

William Axel Leight

14:50–15:10

#### On the possibility of measuring the polarization of a $^3\text{He}$ beam at EIC by the HJET polarimeter

**Speaker**

Andrei Poblaguev

15:10–15:30

#### Double-Target for Nuclear Medium Hadronization studies with CLAS12 at JLab

**Speaker**

Sebastian Andres Galvez Diaz

15:30–15:50

#### Improving ATLAS Hadronic Object Performance with ML/AI Algorithms

**Speaker**

Reina Coromoto Camacho Toro

15:50