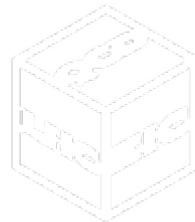


## **Session Program**

**9-15 Nov 2025**



# **Advances in QCD at the LHC and the EIC**

## ***Student flash talks***

CBPF, Rio de Janeiro  
Rua Dr. Xavier Sigaud 150, Urca, Rio de Janeiro

## Wednesday 12 November

15:30

### Student flash talks

**Session | Location:** CBPF, Rio de Janeiro, Rua Dr. Xavier Sigaud 150, Urca, Rio de Janeiro

15:30-15:36

#### **Effects of the magnetic field on the production of pseudoscalar mesons in ultra-peripheral heavy-ion collisions**

**Speaker**

Celsina Azevedo

15:36-15:42

#### **Associated production of Psi(2S) and Phi in diffractive proton-proton collisions at the LHCb experiment**

**Speaker**

Mr Jeferson Dos Santos Oliveira

15:42-15:48

#### **Charge Asymmetry in Three-Body $B \pm$ Decays with LHCb Run 3 Data**

**Speaker**

Jorge Julio Barreiros Venuto De Siqueira

15:48-15:54

#### **Signal Classification in Rare $B^0 \rightarrow K^{*0}(892)\mu^+\mu^-$ Decays Using Machine Learning Technique**

**Speaker**

Mr Thiago De Andrade Rangel Monteiro

15:54-16:00

#### **Photoproduction of a Y-shaped Proton**

**Speaker**

Brunno Mota

16:00-16:06

#### **Fractal Rectification of Yang-Mills Theory**

**Speaker**

Mr Jhon Mario Cordoba Pareja

16:06-16:12

#### **Projections for CEP of W pairs in the HL-LHC with the PPS2 detector of the CMS experiment**

**Speaker**

Omar Silveira

16:12-16:18

#### **Characterization and Simulation of Hybrid UFSD/LGAD Sensors for high-precision timing measurements with the Precision Proton Spectrometer in the CMS Experiment**

**Speaker**

Mrs Valeria Vale

16:18-16:24

#### **Hunting for axion-like particles with top quarks at the high-energy frontier**

16:25

**Speaker**

Marcio De Sousa Mateus Junior