

# **Poster Session 2023**

## **Report of Contributions**

Contribution ID: 54

Type: **not specified**

## **CMS Inspection Robot**

*Tuesday 25 July 2023 17:00 (3 minutes)*

**Presenters:** ALSHWAISH, Aljoharh; ABOU KARNIB, Firas

**Session Classification:** Poster Session

Contribution ID: 55

Type: **not specified**

## LHCb Simulation Wizard

*Tuesday 25 July 2023 17:03 (3 minutes)*

**Presenter:** ALEXANDER WIGHT, Alexia (CERN)

**Session Classification:** Poster Session

Contribution ID: 56

Type: **not specified**

## Characterization of Proton Irradiated SiC Sensors

*Tuesday 25 July 2023 17:06 (3 minutes)*

**Presenter:** ARNQVIST, Elias

**Session Classification:** Poster Session

Contribution ID: 57

Type: **not specified**

## **Search for new phenomena in 4 lepton final states with the full Run 2 dataset**

*Tuesday 25 July 2023 17:09 (3 minutes)*

**Presenter:** Mr BAKARE, Shreyas (Indian Institute of Science Education and Research, Pune)

**Session Classification:** Poster Session

Contribution ID: 58

Type: **not specified**

## **Application of Machine Learning in Simulation and Analysis of Neutrino Interactions with Argon Nuclei:**

*Tuesday 25 July 2023 17:12 (3 minutes)*

**Presenter:** BANGALIA, Shubham (CERN)

**Session Classification:** Poster Session

Contribution ID: 59

Type: **not specified**

## ATLAS L1Calo Trigger System

*Tuesday 25 July 2023 17:15 (3 minutes)*

**Presenter:** BUDHIRAJU, Srinidhi (CERN)

**Session Classification:** Poster Session

Contribution ID: 60

Type: **not specified**

## $t\bar{t}H$ Events Classification with Graph Neural Networks in 2L(SS)+1 $\ell$ had Channel

*Tuesday 25 July 2023 17:18 (3 minutes)*

**Presenter:** BUNNJAWEHT, Paramott (CERN)

**Session Classification:** Poster Session



Contribution ID: **61**

Type: **not specified**

## Photon ID

*Tuesday 25 July 2023 17:21 (3 minutes)*

**Presenter:** Mx CASSINESE, Franco (National University of La Plata (AR))

**Session Classification:** Poster Session

Contribution ID: **62**

Type: **not specified**

## **BRIL**

*Tuesday 25 July 2023 17:24 (3 minutes)*

**Presenter:** CHICAIZA CHUQUITARCO, Luis Andres

**Session Classification:** Poster Session

Contribution ID: 63

Type: **not specified**

## Search for Scalar Leptoquarks Through T-Channel Production at LHCb

*Tuesday 25 July 2023 17:27 (3 minutes)*

**Presenter:** COX, Carrie Re (CERN)

**Session Classification:** Poster Session

Contribution ID: 64

Type: **not specified**

## **Barrier bucket multi-turn extraction from PS to SPS for fixed-target experiments**

*Tuesday 25 July 2023 17:30 (3 minutes)*

**Presenter:** CUVELIER, Matis

**Session Classification:** Poster Session

Contribution ID: 65

Type: **not specified**

## Optical Characterizations of Aerogel and Anti-Reflecting Coating of SiPM

*Tuesday 25 July 2023 17:33 (3 minutes)*

**Presenter:** FIRDAUS, Almaida (CERN)

**Session Classification:** Poster Session

Contribution ID: **66**

Type: **not specified**

**MTD**

*Tuesday 25 July 2023 17:36 (3 minutes)*

**Presenter:** HASAN, Amal Ali A.

**Session Classification:** Poster Session

Contribution ID: 67

Type: **not specified**

## Efficiency characterization of gamma+6 jets trigger

*Tuesday 25 July 2023 17:39 (3 minutes)*

**Presenter:** ITURRIZA RAMIREZ, Joaquin (National University of La Plata (AR))

**Session Classification:** Poster Session

Contribution ID: 68

Type: **not specified**

## Studying the Decay of the Hypertriton

*Tuesday 25 July 2023 17:42 (3 minutes)*

**Presenter:** JOBST, Elli Sophie

**Session Classification:** Poster Session



Contribution ID: 69

Type: **not specified**

## Long-range correlations in pp collisions

*Tuesday 25 July 2023 17:45 (3 minutes)*

**Presenter:** KIURU, Olavi

**Session Classification:** Poster Session

Contribution ID: 70

Type: **not specified**

## **Characterization of the PS Kickers for Improved Fast Extraction**

*Tuesday 25 July 2023 17:48 (3 minutes)*

**Presenter:** KLOSE, Felix

**Session Classification:** Poster Session

Contribution ID: 71

Type: **not specified**

## Emulsion Data Analysis for SND@LHC

*Tuesday 25 July 2023 17:51 (3 minutes)*

**Presenter:** KRISHNAN, Tanvi (Harvey Mudd College)

**Session Classification:** Poster Session

Contribution ID: 72

Type: **not specified**

## Measurements of the $L_b \rightarrow J\psi X_i K$ and $X_i b \rightarrow J\psi X_i \pi$ Branching Ratios

*Tuesday 25 July 2023 17:54 (3 minutes)*

**Presenter:** LUCH, Noah (Princeton University (US))

**Session Classification:** Poster Session

Contribution ID: 73

Type: **not specified**

## **lb-telemetry: Identifying optimisation opportunities in software tools**

*Tuesday 25 July 2023 17:57 (3 minutes)*

**Presenter:** MCCLYMONT, Cameron Duncan

**Session Classification:** Poster Session

Contribution ID: 74

Type: **not specified**

## Optimization of the longitudinal segmentation of a SPACAL for the LHCb PicoCal

*Tuesday 25 July 2023 18:00 (3 minutes)*

**Presenter:** PETKOVIC, Aleksandra

**Session Classification:** Poster Session

Contribution ID: 75

Type: **not specified**

## Evil Storage Layer for RNTuple

*Tuesday 25 July 2023 18:03 (3 minutes)*

**Presenter:** PORTER, Vicky

**Session Classification:** Poster Session

Contribution ID: 76

Type: **not specified**

## **Performance Studies and New Particle Search with the ATLAS Forward Proton Detector**

*Tuesday 25 July 2023 18:06 (3 minutes)*

**Presenter:** SAKOVA, Haritina (CERN)

**Session Classification:** Poster Session



Contribution ID: 77

Type: **not specified**

## **RF power predictor for SPS 200 MHz cavities**

*Tuesday 25 July 2023 18:09 (3 minutes)*

**Presenter:** SAYED, Tanvir

**Session Classification:** Poster Session

Contribution ID: 78

Type: **not specified**

## **Study of the noise properties of non-destructive single-particle detector for antiproton spin flip identification**

*Tuesday 25 July 2023 18:12 (3 minutes)*

**Presenter:** KIMKAK, Halil Furkan

**Session Classification:** Poster Session

Contribution ID: 79

Type: **not specified**

## **Characterisation of additively manufactured synchrotron radiation absorber**

*Tuesday 25 July 2023 18:15 (3 minutes)*

**Presenter:** SESKAUSKAITE, Kristupa

**Session Classification:** Poster Session

Contribution ID: **80**

Type: **not specified**

## **Quality Control and certification of GEM detectors for the CMS GE2/1 station**

*Tuesday 25 July 2023 18:18 (3 minutes)*

**Presenter:** SHABA, Riana

**Session Classification:** Poster Session

Contribution ID: **81**

Type: **not specified**

## Formal Verification of Neural Networks

*Tuesday 25 July 2023 18:21 (3 minutes)*

**Presenter:** SOMMART, Thanapong

**Session Classification:** Poster Session

Contribution ID: 82

Type: **not specified**

## **Time information in conformal tracking for future colliders**

*Tuesday 25 July 2023 18:24 (3 minutes)*

**Presenter:** WANG, Wei-Po

**Session Classification:** Poster Session

Contribution ID: **83**

Type: **not specified**

## **RFQcb at Offline 2**

*Tuesday 25 July 2023 18:27 (3 minutes)*

**Presenter:** WILENSKY, Jara Anielle

**Session Classification:** Poster Session