

# **13th LHC students poster session**

## **Report of Contributions**

Contribution ID: 82

Type: **not specified**

## **Measurements of the electroweak production of two jets in association with a W boson in proton-proton collisions with CMS**

*Monday 27 November 2023 17:00 (1 minute)*

**Presenter:** BULLA, Andrea (Universita e INFN, Padova (IT))

**Session Classification:** EW interactions and gauge bosons

Contribution ID: 83

Type: **not specified**

## Uncovering the medium-recoil effect through the distribution of underlying events tagged with high- $p_T$ Z bosons in PbPb collisions at CMS

*Monday 27 November 2023 17:10 (1 minute)*

**Presenter:** CHOU, Pin-Chun (Massachusetts Inst. of Technology (US))

**Session Classification:** Heavy Ion collisions

Contribution ID: **84**

Type: **not specified**

## **Data compression via partial online processing in CMS: experience in heavy ions and prospects**

*Monday 27 November 2023 17:11 (1 minute)*

**Presenter:** CHEN, Yu-Chen (Janice) (Massachusetts Institute of Technology)

**Session Classification:** Heavy Ion collisions

Contribution ID: 85

Type: **not specified**

## **DNN-based identification of additional b jets for a differential ttbb cross section measurement with the CMS detector**

*Monday 27 November 2023 17:20 (1 minute)*

**Presenter:** SONG, Juhee (Vrije Universiteit Brussel (BE))

**Session Classification:** Top quark physics

Contribution ID: **86**

Type: **not specified**

## **Search for EFT in top quark production with additional leptons in CMS**

*Monday 27 November 2023 17:21 (1 minute)*

**Presenter:** TRAPOTE FERNANDEZ, Andrea (Universidad de Oviedo (ES))

**Session Classification:** Top quark physics

Contribution ID: 87

Type: **not specified**

## **Search for new Higgs bosons via same-sign top quark pair production in association with a jet in pp collisions at $\sqrt{s}=13$ TeV with the CMS detector**

*Monday 27 November 2023 17:25 (1 minute)*

**Presenter:** Mr HSU, Ting-Hsiang (National Taiwan University (TW))

**Session Classification:** Higgs studies

Contribution ID: 88

Type: **not specified**

## **Search for Higgs boson pair production with one associated vector boson in proton-proton collisions at $\sqrt{s} = 13$ TeV with the CMS detector**

*Monday 27 November 2023 17:26 (1 minute)*

**Presenter:** ZHANG, Licheng (Peking University (CN))

**Session Classification:** Higgs studies



Contribution ID: 89

Type: **not specified**

# **Muon identification using multivariate techniques in the CMS experiment in proton-proton collisions at $\sqrt{s} = 13$ TeV**

*Monday 27 November 2023 17:35 (1 minute)*

**Presenter:** RAMON ALVAREZ, Clara (Universidad de Oviedo (ES))

**Session Classification:** Physics and detector performance

Contribution ID: 90

Type: **not specified**

## **ML-based anomaly detection in jets and missing momentum for data quality monitoring in Run 3 in CMS**

*Monday 27 November 2023 17:36 (1 minute)*

**Presenter:** PAPANASTASSIOU, Alkis (Universita e INFN, Firenze (IT))

**Session Classification:** Physics and detector performance

Contribution ID: **91**

Type: **not specified**

## **Line Segment Tracking in Phase 2 software upgrade in CMS**

*Monday 27 November 2023 17:37 (1 minute)*

**Presenter:** GU, Yanxi (Univ. of California San Diego (US))

**Session Classification:** Physics and detector performance

Contribution ID: 92

Type: **not specified**

## Track Reconstruction Performance at the CMS High-Level Trigger in Run 3

*Monday 27 November 2023 17:38 (1 minute)*

**Presenter:** PENA, Karla (Hamburg University (DE))

**Session Classification:** Physics and detector performance

Contribution ID: 93

Type: **not specified**

## Unsupervised tagging of semivisible jets with normalized autoencoders in CMS

*Monday 27 November 2023 17:39 (1 minute)*

**Presenter:** EBLE, Florian (ETH Zurich (CH))

**Session Classification:** Physics and detector performance

Contribution ID: 94

Type: **not specified**

## **System Design and Prototyping of the CMS Level-1 Calorimeter Trigger at the High-Luminosity LHC**

*Monday 27 November 2023 17:40 (1 minute)*

**Presenter:** KUMAR, Piyush (University of Hyderabad, India)

**Session Classification:** Detector operations, upgrades and R&D

Contribution ID: 95

Type: **not specified**

## **Studies of eco-friendly gas mixtures for CMS RPC detectors**

*Monday 27 November 2023 17:41 (1 minute)*

**Presenter:** LUCERO RAMIREZ GUADARRAMO, Dalia

**Session Classification:** Detector operations, upgrades and R&D

Contribution ID: 96

Type: **not specified**

## Status and Performance of CMS Pixel Tracker during Run 3

*Monday 27 November 2023 17:42 (1 minute)*

**Presenter:** BOWER, Steffi (Florida State University (US))

**Session Classification:** Detector operations, upgrades and R&D



Contribution ID: 97

Type: **not specified**

## **Metrology analysis of CMS Tracker Endcap Double-Disks upgrade for the High-luminosity LHC**

*Monday 27 November 2023 17:43 (1 minute)*

**Presenter:** GREENBERG BONILLA, Christopher Allen (Centre National de la Recherche Scientifique (FR))

**Session Classification:** Detector operations, upgrades and R&D

Contribution ID: 98

Type: **not specified**

## **CMS Barrel Timing Layer: final design validation through latest test beam results**

*Monday 27 November 2023 17:44 (1 minute)*

**Presenter:** PALLUOTTO, Simona (Universita & INFN, Milano-Bicocca (IT))

**Session Classification:** Detector operations, upgrades and R&D

Contribution ID: 99

Type: **not specified**

## **Performance study of CMS HGCal's pattern recognition algorithm (CLUE3D) with test beam data**

*Monday 27 November 2023 17:45 (1 minute)*

**Presenter:** CUISSET, Theo (Centre National de la Recherche Scientifique (FR))

**Session Classification:** Detector operations, upgrades and R&D

Contribution ID: **100**

Type: **not specified**

## **Thermal and ASIC tests of New CMS FBCM Luminometer for HL-LHC**

*Monday 27 November 2023 17:46 (1 minute)*

**Presenter:** LIU, Leo (University of Oxford (GB))

**Session Classification:** Detector operations, upgrades and R&D

Contribution ID: **101**

Type: **not specified**

## **Status of the GEM GE2/1 Detectors for the CMS Endcap Muon System**

*Monday 27 November 2023 17:47 (1 minute)*

**Presenter:** Mr KUMAR SAINI, Mahesh (University of Delhi (IN))

**Session Classification:** Detector operations, upgrades and R&D

Contribution ID: **102**

Type: **not specified**

## **First Results of the Performance of CMS HGCAL Modules with Neutron Irradiated Silicon Sensors**

*Monday 27 November 2023 17:48 (1 minute)*

**Presenter:** TERRILL, Wesley Thomas (Carnegie-Mellon University (US))

**Session Classification:** Detector operations, upgrades and R&D

Contribution ID: **103**

Type: **not specified**

## **Design of ME1/1 service routing on the YE1 disk for the phase 2 upgrade of the CMS detector at the HL-LHC**

*Monday 27 November 2023 17:49 (1 minute)*

**Presenter:** IYENGAR, Dhruv (University of Delhi (IN))

**Session Classification:** Detector operations, upgrades and R&D

Contribution ID: **104**

Type: **not specified**

## **Performance of the CMS HGCALE readout electronics system in a beam test at CERN**

*Monday 27 November 2023 17:50 (1 minute)*

**Presenter:** ALPANA, Alpana (Indian Institute of Science Education and Research (IN))

**Session Classification:** Detector operations, upgrades and R&D



Contribution ID: **105**

Type: **not specified**

## Design and construction of the CMS Endcap Timing Layer

*Monday 27 November 2023 17:51 (1 minute)*

**Presenter:** REED, Ian (Boston University (US))

**Session Classification:** Detector operations, upgrades and R&D

Contribution ID: **106**

Type: **not specified**

## **New insight on strange quark hadronization measuring the full PDFs for (multi)strange hadron production in 5.02 TeV pp collisions with ALICE**

*Monday 27 November 2023 17:12 (1 minute)*

**Presenter:** PUCILLO, Sara (Universita e INFN Torino (IT))

**Session Classification:** Heavy Ion collisions

Contribution ID: **107**

Type: **not specified**

## **Measurement of the net-kaon net- $\Xi$ correlations in pp, p-Pb and Pb-Pb collisions with ALICE**

*Monday 27 November 2023 17:13 (1 minute)*

**Presenter:** CIACCO, Mario (Politecnico di Torino and INFN Torino (IT))

**Session Classification:** Heavy Ion collisions

Contribution ID: **108**

Type: **not specified**

## **Entering the precision era for strangeness production with ALICE in Run 3**

*Monday 27 November 2023 17:14 (1 minute)*

**Presenter:** ERCOLESSI, Francesca (Universita e INFN, Bologna (IT))

**Session Classification:** Heavy Ion collisions

Contribution ID: **109**

Type: **not specified**

## **Nuclei measurements in Run 3 with ALICE**

*Monday 27 November 2023 17:15 (1 minute)*

**Presenter:** MALFATTORE, Giovanni (Universita e INFN, Bologna (IT))

**Session Classification:** Heavy Ion collisions

Contribution ID: **110**

Type: **not specified**

## **The new readout system for the ALICE Zero Degree Calorimeters in LHC Run 3**

*Monday 27 November 2023 17:40 (1 minute)*

**Presenter:** ZUGRAVEL, Stefan Cristi (Universita e INFN Torino (IT))

**Session Classification:** Physics and detector performance

Contribution ID: 111

Type: **not specified**

## **The ALICE Forward Calorimeter (FoCal) upgrade: physics program and prototype performance**

*Monday 27 November 2023 17:52 (1 minute)*

**Presenter:** JONAS, Florian (University of California Berkeley (US))

**Session Classification:** Detector operations, upgrades and R&D

Contribution ID: 112

Type: **not specified**

## Measurement of the deuteron coalescence probability in and out of jets with ALICE

*Monday 27 November 2023 17:05 (1 minute)*

**Presenter:** RASÀ, Marika (University and INFN Catania)

**Session Classification:** Jets and QCD studies



Contribution ID: 113

Type: **not specified**

## Isolated photon-hadron correlations in Pb-Pb collisions at 5.02 TeV with ALICE

*Monday 27 November 2023 17:06 (1 minute)*

**Presenter:** ARATA, Carolina (Centre National de la Recherche Scientifique (FR))

**Session Classification:** Jets and QCD studies

Contribution ID: 114

Type: **not specified**

## **Measurement of heavy-flavor production in the high-mass dimuon spectrum in pp collisions at $\sqrt{s}=13$ TeV with ALICE**

*Monday 27 November 2023 17:15 (1 minute)*

**Presenter:** PENNISI, Michele (Universita e INFN Torino (IT))

**Session Classification:** Physics of heavy flavours (charm and bottom, including production)

Contribution ID: 115

Type: **not specified**

## **Study on charm hadronisation using RIVET with pp, p-Pb and Pb-Pb collisions (ALICE)**

*Monday 27 November 2023 17:16 (1 minute)*

**Presenters:** LOURENS, Yonne (Mr.); LOURENS, Yonne

**Session Classification:** Physics of heavy flavours (charm and bottom, including production)

Contribution ID: **116**

Type: **not specified**

## $\Omega_c^0$ production in pp collisions at 13 TeV with ALICE

*Monday 27 November 2023 17:17 (1 minute)*

**Presenter:** CHENG, Tiantian (CCNU - Central China Normal University(CN), GSI - Helmholtzzentrum für Schwerionenforschung GmbH(DE))

**Session Classification:** Physics of heavy flavours (charm and bottom, including production)

Contribution ID: **117**

Type: **not specified**

## $\psi(2S)/J/\psi$ ratio at forward rapidity in pp collisions at 13.6 TeV with ALICE

*Monday 27 November 2023 17:18 (1 minute)*

**Presenter:** BIZÉ, Nicolas (Subatech - Nantes Université)

**Session Classification:** Physics of heavy flavours (charm and bottom, including production)

Contribution ID: **118**

Type: **not specified**

## **$\psi(2S)/J/\psi$ ratio at midrapidity in proton-proton collisions at 13.6 TeV with ALICE**

*Monday 27 November 2023 17:19 (1 minute)*

**Presenter:** LU, Pengzhong (USTC/GSI)

**Session Classification:** Physics of heavy flavours (charm and bottom, including production)

Contribution ID: **119**

Type: **not specified**

## **A 20 ps silicon device for the ALICE 3 Timing Layers**

*Monday 27 November 2023 17:53 (1 minute)*

**Presenter:** STRAZZI, Sofia (Universita Di Bologna (IT))

**Session Classification:** Detector operations, upgrades and R&D

Contribution ID: **120**

Type: **not specified**

## Results from SND@LHC

*Monday 27 November 2023 17:41 (1 minute)*

**Presenters:** URSOV, Eduard (Humboldt-Universität zu Berlin); BISWAS, Riddhi (Nanyang Technological University (SG))

**Session Classification:** Physics and detector performance



Contribution ID: **121**

Type: **not specified**

## **Charged Higgs Boson Searches in vector boson fusion processes with the ATLAS detector**

*Monday 27 November 2023 17:30 (1 minute)*

**Presenters:** ZHAO, Haoran (Central China Normal University CCNU (CN)); ZHAO, Haoran (University of Washington (US))

**Session Classification:** BSM searches

Contribution ID: 122

Type: **not specified**

**Search for  $t\bar{t}H/A/a \rightarrow t\bar{t}t\bar{t}$  production in the  
multilepton final state in proton-proton collisions at  
 $\sqrt{s} = 13$  TeV with the ATLAS detector**

*Monday 27 November 2023 17:31 (1 minute)*

**Presenter:** ROY-GARAND, Sebastien (University of Toronto (CA))

**Session Classification:** BSM searches

Contribution ID: 123

Type: **not specified**

# **Studies of new Higgs boson interactions through nonresonant HH production in the $bb,\gamma\gamma$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**

*Monday 27 November 2023 17:27 (1 minute)*

**Presenter:** SIDLEY, Alexandra Claire (Nikhef National institute for subatomic physics (NL))

**Session Classification:** Higgs studies

Contribution ID: 124

Type: **not specified**

## Double-Higgs decaying to a bottom quark pair and a tau pair in ATLAS

*Monday 27 November 2023 17:28 (1 minute)*

**Presenter:** KARKOUT, Osama (Nikhef National institute for subatomic physics (NL))

**Session Classification:** Higgs studies

Contribution ID: 125

Type: **not specified**

## **Fiducial cross-section measurements of the Higgs boson production in the $H \rightarrow WW^* \rightarrow e\nu\mu nu$ decay channel with the ATLAS detector**

*Monday 27 November 2023 17:29 (1 minute)*

**Presenter:** ADDEPALLI, Sagar (Brandeis University (US))

**Session Classification:** Higgs studies

Contribution ID: 126

Type: **not specified**

## New matching uncertainty prescription in top quark processes for ATLAS

*Monday 27 November 2023 17:22 (1 minute)*

**Presenters:** VOSS, Katharina (Deutsches Elektronen-Synchrotron DESY); VOSS, Katharina (Universitaet Siegen (DE))

**Session Classification:** Top quark physics

Contribution ID: **127**

Type: **not specified**

## **Inclusive and differential $t\bar{t}Z$ cross-section measurements with the full Run 2 dataset in ATLAS**

*Monday 27 November 2023 17:23 (1 minute)*

**Presenter:** KESZEGHOVA, Lucia (Comenius University (SK))

**Session Classification:** Top quark physics

Contribution ID: 128

Type: **not specified**

## **Determination of the primary vertex position along the beamline prior to track reconstruction in ATLAS high-level trigger jet chains**

*Monday 27 November 2023 17:54 (1 minute)*

**Presenter:** MLINAREVIC, Marin (UCL (GB))

**Session Classification:** Detector operations, upgrades and R&D



Contribution ID: **129**

Type: **not specified**

## **GPU Acceleration of ATLAS Calorimeter Clustering**

*Monday 27 November 2023 17:55 (1 minute)*

**Presenter:** DOS SANTOS FERNANDES, Nuno (LIP - Laboratorio de Instrumentação e Física Experimental de Partículas (PT))

**Session Classification:** Detector operations, upgrades and R&D

Contribution ID: **130**

Type: **not specified**

## **Performance of the ATLAS Silicon Strip Detector with improved calibrations**

*Monday 27 November 2023 17:56 (1 minute)*

**Presenter:** AKIYAMA, Daiya (Waseda University (JP))

**Session Classification:** Detector operations, upgrades and R&D

Contribution ID: **131**

Type: **not specified**

## **Saving storage space for HL-LHC with augmented files within ATLAS**

*Monday 27 November 2023 17:57 (1 minute)*

**Presenter:** BOUQUET, Romain (University of Genova (Italy))

**Session Classification:** Detector operations, upgrades and R&D

Contribution ID: **132**

Type: **not specified**

## **Fast inference on FPGA for the ATLAS Muon Trigger**

*Monday 27 November 2023 17:58 (1 minute)*

**Presenter:** Dr GIULI, Francesco (CERN)

**Session Classification:** Detector operations, upgrades and R&D

Contribution ID: 133

Type: **not specified**

## Operation of the High Voltage Detector Control System of the ATLAS New Small Wheel

*Monday 27 November 2023 17:59 (1 minute)*

**Presenter:** DRIVAS-KOULOURIS, Ioannis (National Technical Univ. of Athens (GR))

**Session Classification:** Detector operations, upgrades and R&D

Contribution ID: 134

Type: **not specified**

# The Detector Control System of the High Voltage Hardware Infrastructure of the ATLAS New Small Wheel

*Monday 27 November 2023 18:00 (1 minute)*

**Presenter:** KARENTZOS, Efstathios (Albert Ludwigs Universitaet Freiburg (DE))

**Session Classification:** Detector operations, upgrades and R&D

Contribution ID: 135

Type: **not specified**

## **The Cesium source calibration and monitoring system of the ATLAS Tile Calorimeter**

*Monday 27 November 2023 18:01 (1 minute)*

**Presenters:** KHOLODENKO, Marina (Institute for High Energy Physics of NRC Kurchatov Institute (RU)); KHOLODENKO, Marina

**Session Classification:** Detector operations, upgrades and R&D

Contribution ID: **136**

Type: **not specified**

## **Laser calibration of the ATLAS Tile Calorimeter**

*Monday 27 November 2023 18:02 (1 minute)*

**Presenters:** PEREIRA, Beatriz; PEREIRA, Beatriz; PEREIRA, Beatriz; PEREIRA, Beatriz (LIP - Laboratório de Instrumentação e Física Experimental de Partículas (PT))

**Session Classification:** Detector operations, upgrades and R&D



Contribution ID: 137

Type: **not specified**

## **Simultaneous jet energy and mass calibration for large-radius jets in ATLAS using Machine Learning**

*Monday 27 November 2023 17:42 (1 minute)*

**Presenter:** ALBOUY, Guillaume Lucas (Centre National de la Recherche Scientifique (FR))

**Session Classification:** Physics and detector performance

Contribution ID: **138**

Type: **not specified**

## **Reconstruction and trigger for B hadron studies in ATLAS Run-3 data**

*Monday 27 November 2023 17:20 (1 minute)*

**Presenter:** HAGAN, Alina (Lancaster University (GB))

**Session Classification:** Physics of heavy flavours (charm and bottom, including production)

Contribution ID: 139

Type: **not specified**

## **Observation of an excess of di-charmonium events in the four-muon final state with the ATLAS detector**

*Monday 27 November 2023 17:21 (1 minute)*

**Presenter:** XU, Yue (Tsinghua University (CN))

**Session Classification:** Physics of heavy flavours (charm and bottom, including production)

Contribution ID: **140**

Type: **not specified**

## **2023 Results from the FASER experiment**

*Monday 27 November 2023 17:32 (1 minute)*

**Presenter:** WELCH, Eli Marcel (University of California Irvine (US))

**Session Classification:** BSM searches

Contribution ID: **141**

Type: **not specified**

## Search for the decay $B^+ \rightarrow \mu^+ \nu \mu \gamma$

*Monday 27 November 2023 17:22 (1 minute)*

**Presenter:** GLASER, Fabian Christoph (Ruprecht Karls Universitaet Heidelberg)

**Session Classification:** Physics of heavy flavours (charm and bottom, including production)

Contribution ID: 142

Type: **not specified**

## Angular Analysis of the $Bs0 \rightarrow \varphi(K^+K^-)e^+e^-$ decay at LHCb

*Monday 27 November 2023 17:23 (1 minute)*

**Presenter:** KHREICH, Gaelle (Université Paris-Saclay (FR))

**Session Classification:** Physics of heavy flavours (charm and bottom, including production)

Contribution ID: **143**

Type: **not specified**

## **Measurement of $RD$ and $RD^*$ with 3-prong hadronic tau decays at LHCb**

*Monday 27 November 2023 17:24 (1 minute)*

**Presenter:** NOVOA FERNANDEZ, Julio (Universidade de Santiago de Compostela (ES))

**Session Classification:** Physics of heavy flavours (charm and bottom, including production)

Contribution ID: **144**

Type: **not specified**

## **New helium identification technique at LHCb**

*Monday 27 November 2023 17:07 (1 minute)*

**Presenter:** JAGE, Hendrik (Rheinisch Westfaelische Tech. Hoch. (DE))

**Session Classification:** Jets and QCD studies



Contribution ID: 145

Type: **not specified**

## Tracking Long-Lived Particles (LLPs) at LHCb with the new software trigger (HLT)

*Monday 27 November 2023 17:43 (1 minute)*

**Presenters:** Dr JASHAL, Brij Kishor (IFIC, Univ. of Valencia, CSIC (ES) and Tata Institute of Fundamental Research (TIFR)); TONANI, Giorgia (Università degli Studi e INFN Milano (IT)); ZHUO, Jiahui (Univ. of Valencia and CSIC (ES)); KALAVAN KADAVATH, Sabin Hashmi (AGH University of Krakow (PL))

**Session Classification:** Physics and detector performance

Contribution ID: 146

Type: **not specified**

## Charged Hadron Identification at LHCb: Early Performance with Run 3 Data

*Monday 27 November 2023 17:44 (1 minute)*

**Presenter:** OKAMURA, Shinichi (Universita e INFN, Ferrara (IT))

**Session Classification:** Physics and detector performance

Contribution ID: **147**

Type: **not specified**

## **Charge-dependent curvature bias corrections using a pseudomass method**

*Monday 27 November 2023 17:45 (1 minute)*

**Presenter:** FARMER, Keira Gwyn (The University of Edinburgh (GB))

**Session Classification:** Physics and detector performance

Contribution ID: 148

Type: **not specified**

## Multiparton Interaction parameters tuning in PYTHIA 8 and LHCb Tuning Infrastructure

*Monday 27 November 2023 17:46 (1 minute)*

**Presenter:** Ms BASHIR, Saliha (AGH University of Krakow (PL))

**Session Classification:** Physics and detector performance

Contribution ID: **149**

Type: **not specified**

## **LHCb Early Measurements with electrons in the final state using first Run 3 data**

*Monday 27 November 2023 17:47 (1 minute)*

**Presenter:** LOPEZ HUERTAS, Albert (University of Barcelona (ES))

**Session Classification:** Physics and detector performance

Contribution ID: **150**

Type: **not specified**

## Photon Detection at the LHCb RICH Upgrade I

*Monday 27 November 2023 18:03 (1 minute)*

**Presenter:** BORGATO, Federica (Universita e INFN, Padova (IT))

**Session Classification:** Detector operations, upgrades and R&D

Contribution ID: **151**

Type: **not specified**

## **The LHCb Scintillating Fibre Tracker: Commissioning, Calibration and BCAM-Based 3D Monitoring**

*Monday 27 November 2023 18:04 (1 minute)*

**Presenters:** KAMINARIS, Dimitrios (EPFL - Ecole Polytechnique Federale Lausanne (CH)); WITOLA, Lukas (Heidelberg University (DE))

**Session Classification:** Detector operations, upgrades and R&D

Contribution ID: **152**

Type: **not specified**

# Commissioning of the Upstream Tracker for the LHCb Upgrade I

*Monday 27 November 2023 18:05 (1 minute)*

**Presenter:** CESARE, Sara (Universita e INFN, Milano (IT))

**Session Classification:** Detector operations, upgrades and R&D



Contribution ID: **153**

Type: **not specified**

## **Real-time alignment of the LHCb detector in Run 3**

*Monday 27 November 2023 18:06 (1 minute)*

**Presenter:** RUIZ DIAZ, Miguel (Heidelberg University (DE))

**Session Classification:** Detector operations, upgrades and R&D

Contribution ID: 154

Type: **not specified**

## Using Hadronic Interactions to Assess the LHCb RF Foil Deformation

*Monday 27 November 2023 18:07 (1 minute)*

**Presenter:** MADURAI, Marcus Jonathan (University of Birmingham (GB))

**Session Classification:** Detector operations, upgrades and R&D

Contribution ID: 155

Type: **not specified**

## **Demonstration of FPGA-based track reconstruction on live LHCb data**

*Monday 27 November 2023 18:08 (1 minute)*

**Presenter:** TERZUOLI, Francesco (Università di Siena & INFN Pisa (IT))

**Session Classification:** Detector operations, upgrades and R&D