

**Poster Session 2022**

# **Report of Contributions**

Contribution ID: 22

Type: **not specified**

## "Electron cloud in the LHC - estimating the SEY in Run 3"

*Thursday 28 July 2022 17:00 (5 minutes)*

**Presenter:** SEDLAKOVA, Veronika

**Session Classification:** Poster Session

Contribution ID: 23

Type: **not specified**

## 'Studying neutrino oscillations at the DUNE experiment'

*Thursday 28 July 2022 17:10 (5 minutes)*

**Presenter:** BARNARD, Abbey (CERN)

**Session Classification:** Poster Session

Contribution ID: 25

Type: **not specified**

## **"Event classification using flatenicity in pp collisions at 13.6 TeV"**

*Thursday 28 July 2022 17:25 (5 minutes)*

**Presenter:** AGUIRRE POLO, Andrea (CERN)

**Session Classification:** Poster Session

Contribution ID: 26

Type: **not specified**

## **Development and application of analysis software for a current based defect characterization technique (TSC) in irradiated silicon sensors**

*Thursday 28 July 2022 17:30 (10 minutes)*

**Presenter:** PETERS, Karol Pawel

**Session Classification:** Poster Session

Contribution ID: 27

Type: **not specified**

## Miniball installation

*Thursday 28 July 2022 17:40 (10 minutes)*

**Presenter:** HEINES, Johannes Sørby (Nuclear Physics Group, University of Oslo)

**Session Classification:** Poster Session

Contribution ID: 28

Type: **not specified**

## A study of $t\bar{t}HH$ production at CMS

*Thursday 28 July 2022 17:50 (10 minutes)*

**Presenters:** LAVIZZARI, Giulia; RAIDAL, Juhan Tiitus; DESIRE VALDOR, Paula

**Session Classification:** Poster Session

Contribution ID: 29

Type: **not specified**

## **Automation of the baking of the positron/positronium conversion target at AEGLS**

*Thursday 28 July 2022 18:00 (5 minutes)*

**Presenter:** IMAMURA, Tomoka

**Session Classification:** Poster Session



Contribution ID: **30**

Type: **not specified**

## **Background Subtraction for Heavy-Flavour Jets in Pb-Pb collisions**

*Thursday 28 July 2022 18:05 (5 minutes)*

**Presenter:** RAUT, Trupti Mangesh (Summer Student 2022 (MS))

**Session Classification:** Poster Session

Contribution ID: 31

Type: **not specified**

## ATLAS ITk Upgrade for the HL-LHC

*Thursday 28 July 2022 18:10 (5 minutes)*

**Presenter:** SONI, Ruchi Manish (University of Toronto (CA))

**Session Classification:** Poster Session

Contribution ID: 32

Type: **not specified**

## **Safety System for the Vertex Locator (VELO) subdetector of the LHCb**

*Thursday 28 July 2022 18:15 (5 minutes)*

**Presenter:** AMORIM PIRES REZENDE, Giovanna

**Session Classification:** Poster Session

Contribution ID: 33

Type: **not specified**

## Model-Independent Multilepton Analysis

*Thursday 28 July 2022 18:20 (5 minutes)*

**Presenter:** THORNTON-BERRY, Lara Isobel

**Session Classification:** Poster Session

Contribution ID: 34

Type: **not specified**

## Understanding the hardware calorimeter trigger

*Thursday 28 July 2022 18:25 (5 minutes)*

**Presenter:** WHITER, Eleanor

**Session Classification:** Poster Session

Contribution ID: 35

Type: **not specified**

## De-Coupling Dark Matter

*Thursday 28 July 2022 18:30 (5 minutes)*

**Presenter:** LIU, Ming-Shau (University of Cambridge)

**Session Classification:** Poster Session

Contribution ID: 36

Type: **not specified**

## Meson scattering in 2 dimensional QCD

*Thursday 28 July 2022 18:35 (5 minutes)*

**Presenter:** AMBROSINO, Federico

**Session Classification:** Poster Session

Contribution ID: 37

Type: **not specified**

## **Searches for dark matter candidates in mono-W/Z final states with the ATLAS detector**

*Thursday 28 July 2022 18:40 (5 minutes)*

**Presenter:** SOKOLOVA, Dina (CERN)

**Session Classification:** Poster Session



Contribution ID: **38**

Type: **not specified**

## CRAB Data Analysis

*Thursday 28 July 2022 18:45 (5 minutes)*

**Presenter:** PHUMEKHAM, Nutchaya

**Session Classification:** Poster Session

Contribution ID: 39

Type: **not specified**

## **Towards a New Lepton Flavour Universality Test with Baryons**

*Thursday 28 July 2022 18:50 (5 minutes)*

**Presenter:** ROCKS, Sebastian (CERN)

**Session Classification:** Poster Session

Contribution ID: 40

Type: **not specified**

## Time Series Analysis for Data Monitoring

*Thursday 28 July 2022 18:55 (5 minutes)*

**Presenter:** SRIMAHAJARIYAPONG, Kasidit

**Session Classification:** Poster Session

Contribution ID: 41

Type: **not specified**

## Decay of Thallium at Isolde Decay Station

*Thursday 28 July 2022 17:05 (5 minutes)*

**Presenter:** CORY, Jordan Rose

**Session Classification:** Poster Session

Contribution ID: 42

Type: **not specified**

## **Preparation and analysis of the 2022 ME0 test beam**

*Thursday 28 July 2022 17:20 (5 minutes)*

**Presenter:** VAN DER SCHUEREN, Silke

**Session Classification:** Poster Session

Contribution ID: 43

Type: **not specified**

## **Assembly and Quality Control of GEM Detectors for the Future Upgrade of the CMS Muon System**

*Thursday 28 July 2022 19:00 (5 minutes)*

**Presenter:** ALASFOUR, Ghaneemah A J A

**Session Classification:** Poster Session

Contribution ID: 44

Type: **not specified**

## **Parallel Data Analysis Techniques Across Different CERN Collaborations**

*Thursday 28 July 2022 19:05 (5 minutes)*

**Presenter:** WEISS, Alison Smith

**Session Classification:** Poster Session

Contribution ID: 46

Type: **not specified**

## **Phase Methods for Precision Measurements at BASE**

*Thursday 28 July 2022 19:15 (5 minutes)*

**Presenter:** JACQUET, Elisa Elena

**Session Classification:** Poster Session



Contribution ID: 47

Type: **not specified**

## **The Particle Flow Algorithm in the Phase II Upgrade of the CMS Level-1 Trigger**

*Thursday 28 July 2022 19:20 (5 minutes)*

**Presenter:** Mr CHAMBERS, Aidan (Massachusetts Inst. of Technology (US))

**Session Classification:** Poster Session

Contribution ID: 48

Type: **not specified**

## Automatic mechanisms to legacy documentation

*Thursday 28 July 2022 19:25 (5 minutes)*

**Presenter:** MAGALLANES PINARGOTE, Franklin Enmanuel

**Session Classification:** Poster Session

Contribution ID: 49

Type: **not specified**

## **The Embedded Monitoring Processor of the ATLAS DCS EMCI-EMP interface**

*Thursday 28 July 2022 19:30 (5 minutes)*

**Presenter:** GKOTSIS, Panagiotis (CERN)

**Session Classification:** Poster Session

Contribution ID: 50

Type: **not specified**

## **Massive Vector Doublet Phenomenology via Left-handed Heavy Neutral Leptons (Msc Thesis))**

*Thursday 28 July 2022 19:35 (5 minutes)*

**Presenter:** AREYUNA CALABRESE, Paulo Andres (CERN)

**Session Classification:** Poster Session

Contribution ID: 51

Type: **not specified**

## Searching for a doubly charged Higgs using ADL and CutLang

*Thursday 28 July 2022 19:40 (5 minutes)*

**Presenter:** OHRNBERG, Ronja (CERN)

**Session Classification:** Poster Session

Contribution ID: 52

Type: **not specified**

## Modernize Orchestration of Functional Tests

*Thursday 28 July 2022 19:45 (5 minutes)*

**Presenter:** SANTA ROSA GOMES, Vitor

**Session Classification:** Poster Session

Contribution ID: 53

Type: **not specified**

## Fully Pythonic RDataFrame Applications

*Thursday 28 July 2022 19:50 (5 minutes)*

**Presenter:** PAWAN, Pawan

**Session Classification:** Poster Session