

# **Student Session**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

# Beam Testing of Fast Timing Micromegas

*Tuesday, 8 August 2017 09:15 (15 minutes)*

## Summary

**Presenter:** SOHL, Lukas

Contribution ID: 1

Type: **not specified**

# **Modeling top quark pair production in the search of new, heavy resonance that decays into a pair of Higgs bosons**

*Tuesday, 8 August 2017 09:45 (15 minutes)*

## **Summary**

**Presenter:** LIYANAGE, Kalpanie Madara (CERN)

Contribution ID: 2

Type: **not specified**

# Exploring the Physics Limitations of Compact High Gradient Accelerating Structures

*Tuesday, 8 August 2017 09:30 (15 minutes)*

## Summary

**Presenter:** VAN VLIET, Philine Julia

Contribution ID: 3

Type: **not specified**

# Search for Sphalerons in Proton-Proton Collisions

*Tuesday, 8 August 2017 10:15 (15 minutes)*

## Summary

**Presenter:** SATCO, Daria (CERN)

Contribution ID: 4

Type: **not specified**

## **Studying the effect of massless septa on the SPS slow extraction**

*Wednesday, 9 August 2017 09:15 (15 minutes)*

### **Summary**

**Presenter:** Mr BRUNNER, Kristof

Contribution ID: 6

Type: **not specified**

## Scanning the pMSSM

*Tuesday, 8 August 2017 10:30 (15 minutes)*

### Summary

**Presenter:** WUERZINGER, Jonas (CERN)

Contribution ID: 7

Type: **not specified**

## **Investigation of the Chiral Magnetic Effect using Event Shape Engineering at $\sqrt{s_{NN}} = 5.02$ TeV Pb-Pb**

*Tuesday, 8 August 2017 10:45 (15 minutes)*

### **Summary**

**Presenter:** HUANG, Yiwen (CERN)

Contribution ID: 8

Type: **not specified**

## **Lorentz and CPT tests with hydrogen and antihydrogen**

*Tuesday, 8 August 2017 11:30 (15 minutes)*

### **Summary**

**Presenter:** BECKER, Tobias Frederic

Contribution ID: 10

Type: **not specified**

## **Missing Mass Searches in Dimuon Events with CT-PPS**

*Wednesday, 9 August 2017 09:30 (15 minutes)*

### **Summary**

**Presenter:** MIRONOVA, Maria

Contribution ID: 11

Type: **not specified**

# Performance of the Muon HLT reconstruction in CMS

*Wednesday, 9 August 2017 09:45 (15 minutes)*

## Summary

**Presenter:** FERRERES SOLE, Silvia

Contribution ID: 12

Type: **not specified**

## **Niobium-coated copper cavities for future accelerators**

*Wednesday, 9 August 2017 10:15 (15 minutes)*

### **Summary**

**Presenter:** AMELIN, Kirill

Contribution ID: 13

Type: **not specified**

## **Modelling slow-extraction induced radioactivity in SPS LSS2**

*Wednesday, 9 August 2017 10:30 (15 minutes)*

### **Summary**

**Presenter:** ARAUJO MARTINEZ, Aurora Cecilia (University of Guanajuato)

Contribution ID: 14

Type: **not specified**

# Optimising A Read Out PCB for Possible FCC-hh Electromagnetic Calorimeter

*Wednesday, 9 August 2017 10:45 (15 minutes)*

## Summary

**Presenter:** ALAGARAIAMY, Revathy (CERN)

Contribution ID: 15

Type: **not specified**

## **Search for four-top-quark production with four-lepton final states in CMS**

*Wednesday, 9 August 2017 11:15 (15 minutes)*

### **Summary**

**Presenter:** WACHIRAPUSITANAND, Vichayanun

Contribution ID: 16

Type: **not specified**

## **Field Programmable Gate Arrays (FPGAs): Application to the upgrade of the muon spectrometer at ATLAS**

*Wednesday, 9 August 2017 11:30 (15 minutes)*

### **Summary**

**Presenter:** AMAYUELAS FERNANDEZ, Alfonso (CERN)

Contribution ID: 17

Type: **not specified**

## **Muon Beam Studies in the H4 beam line and the Gamma Irradiation Facility (GIF++)**

*Wednesday, 9 August 2017 11:45 (15 minutes)*

### **Summary**

**Presenter:** MARGRAF, Rachel

Contribution ID: 18

Type: **not specified**

## **Boosting b-tagging performance at high transverse momentum**

*Thursday, 10 August 2017 09:15 (15 minutes)*

### **Summary**

**Presenter:** KOSHELENKO, Daria (CERN)

Contribution ID: 19

Type: **not specified**

## **Laser spectroscopy of short-lived radionuclides in an ion trap: MIRACLS' proof-of-principle experiment**

*Thursday, 10 August 2017 09:30 (15 minutes)*

### **Summary**

**Presenter:** MAIER, Franziska Maria

Contribution ID: 20

Type: **not specified**

## **GeantV: Parallelization for the future of particle transport simulations**

*Thursday, 10 August 2017 09:45 (15 minutes)*

### **Summary**

**Presenter:** SCHMITZ, Ryan

Contribution ID: 21

Type: **not specified**

## **Molr: A delegation framework for accelerator commissioning**

*Thursday, 10 August 2017 10:15 (15 minutes)*

### **Summary**

**Presenter:** VALLIAPPAN, Nachiappan

Contribution ID: 22

Type: **not specified**

## **Study of the decay $K^+ \rightarrow \pi^0 e^+ \nu \gamma$ with NA62 Experiment - Possible T-Violation measurement**

*Thursday, 10 August 2017 10:30 (15 minutes)*

### **Summary**

**Presenter:** BRIZIOLI, Francesco

Contribution ID: 23

Type: **not specified**

## Deep Learning in the HGCal

*Thursday, 10 August 2017 10:45 (15 minutes)*

### Summary

**Presenter:** ARZI, Ofir

Contribution ID: 24

Type: **not specified**

# **MATHUSLA: A New Detector to Explore the Lifetime Frontier**

*Thursday, 10 August 2017 11:15 (15 minutes)*

## **Summary**

**Presenter:** ZHANG, Ce (CERN)

Contribution ID: 25

Type: **not specified**

## **How to talk to ordinary people –why Wikipedia matters**

*Thursday, 10 August 2017 11:30 (15 minutes)*

### **Summary**

**Presenter:** STOREHAUG, Ida

Contribution ID: 26

Type: **not specified**

## Using FOAMs to approximate probability densities for $t\bar{t}$ processes

*Thursday, 10 August 2017 11:45 (15 minutes)*

### Summary

**Presenter:** VAN GOFFRIER, Graham (CERN)

Contribution ID: 27

Type: **not specified**

## **Characterisation of the VMM3 ASICs as front-end readouts for micro-pattern gaseous detectors**

*Tuesday, 8 August 2017 11:15 (15 minutes)*

### **Summary**

**Presenter:** BARTELS, Lara Maria