

**Session Program**

**5-10 Aug 2019**



**29th International Symposium on Lepton  
Photon Interactions at High Energies**

***Detectors/Accelerators/Computing (Parallel)***

Westin Harbour Castle, Toronto Canada, Harbour Ballroom  
1 Harbour Square, Toronto, Ontario, Canada

# Thursday 8 August

09:00

## Detectors/Accelerators/Computing (Parallel)

**Session** | **Location:** Harbour Castle Ballroom, Salon A | **Convener:** Prof. Daniela Bortoletto

09:00–09:12

### Variational Autoencoders for New Physics Mining at the Large Hadron Collider

**Speaker**  
Olmo Cerri

09:15–09:27

### Precision Timing with the CMS MIP Timing Detector

**Speaker**  
Pablo Martinez Ruiz Del Arbol

09:30–09:42

### The CMS ECAL Upgrade for High Precision Timing and Energy Measurements in HL-LHC

**Speaker**  
Nancy Marinelli

09:45–09:57

### ATLAS Trigger and Data Acquisition Upgrades for the High Luminosity LHC

**Speaker**  
Alessandra Camplani

10:00–10:12

### The Phase-II upgrade of the ATLAS Muon Spectrometer

**Speakers**  
Junjie (Stony Brook) Zhu, Junjie Zhu

10:15–10:27

### Small-Strip Thin Gap Chambers for the Muon Spectrometer Upgrade of the ATLAS Experiment

**Speaker**  
Benoit Lefebvre

10:30

11:00

## Detectors/Accelerators/Computing (Parallel)

**Session** | **Location:** Harbour Castle Ballroom, Salon A | **Convener:** Daniela Bortoletto

11:00–11:12

### A Generative-Adversarial Network Approach for the Simulation of QCD Dijet Events at the LHC

**Speaker**  
Riccardo Di Sipio

11:15–11:27

### Application of Quantum Machine Learning to High Energy Physics Analysis at LHC using IBM Quantum Computer Simulators and IBM Quantum Computer Hardware

**Speaker**  
Alex Zeng Wang

11:30-11:42

**Latest Results on the Radiation Tolerance of Diamond Detectors**

**Speaker**

Lukas Baeni

11:45-11:57

**New beam test results of 3D pixel detectors constructed with poly-crystalline CVD diamond**

**Speaker**

Michael Philipp Reichmann

12:00-12:12

**FCC-ee machine performance**

**Speaker**

Mogens Dam

12:15-12:27

**Muon collider: the Low EMittance Muon Accelerator (LEMMA) approach**

**Speaker**

Nazar Bartosik

12:30