

Session Program

26-31 May 2024



**Canadian Association
of Physicists**

**Association canadienne
des physiciens et physiciennes**

2024 CAP Congress / Congrès de l'ACP 2024 (PPD) R1-1 Detectors | Détecteurs (PPD)

Western University

Thursday 30 May

08:15

(PPD) R1-1 Detectors | Détecteurs (PPD)

Session | Location: Social Science Centre, Western U., SSC Rm 2024 (cap. 137)

08:15–08:45 ATLAS Upgrades for the HL-LHC

Speaker

Jeff Dandoy

08:45–09:00 Quantum-assisted deep generative calorimeter surrogate

Speakers

Mr Deniz Sogutlu, Hao Jia, J. Quetzalcoatl Toledo-Marin, Maximilian J Swiatlowski, Mr Sebastian Gonzalez, Wojtek Fedorko

09:00–09:15

Simulating a high-rate liquid xenon calorimeter for the PIONEER experiment

Speaker

Benjamin Davis-Purcell

09:15–09:30

(G) Performance Analysis of the CALICE Digital Hadronic Calorimeter (DHCAL) for Pion Measurements.

Speaker

Yasmin Naghizadeh

09:30–09:45

MATHUSLA: A Proposed Detector for Long-Lived Particles at High-Luminosity LHC

Speaker

Runze Ren

09:45