

Session Program

Jun 5 - 11, 2022



Canadian Association
of Physicists

Association canadienne
des physiciens et physiciennes

2022 CAP Congress / Congrès de l'ACP 2022

***W2-1 Machine Learning in HEP and Novel
Reconstruction Tools (PPD) | Apprentissage
automatique en PHE et nouveaux outils de
reconstruction (PPD)***

McMaster University

Wed, June 8

1:15 PM

W2-1 Machine Learning in HEP and Novel Reconstruction Tools (PPD) | Apprentissage automatique en PHE et nouveaux outils de reconstruction (PPD)

Session | Location: McMaster University, MDCL 1110 | Convener: Max Swiatlowski

1:15 - 1:45 PM

Machine learning techniques to enhance event reconstruction in water Cherenkov detectors

Speaker

Nick Prouse

1:45 - 2:00 PM

(G*) New background discrimination methods for the NEWS-G dark matter search experiment

Speaker

Jean-Marie Coquillat

2:00 - 2:15 PM

(G*) Improving Muon-Pion & Electron-Pion Separation at Belle II with Machine Learning Using the Novel Pulse Shape Discrimination in CsI(Tl)

Speaker

Alexandre Beaubien

2:15 - 2:30 PM

(G*) Machine learning to denoise pulses from a p-type point contact germanium detector

Speaker

Mark Anderson

2:30 - 2:45 PM

(G*) Machine Learning for Noise Removal in NEWS-G

Speaker

Noah Rowe

2:45 PM