

## Session Program

Jun 5 - 11, 2022



Canadian Association  
of Physicists

Association canadienne  
des physiciens et physiciennes

## 2022 CAP Congress / Congrès de l'ACP 2022

### ***M2-1 Exploring the Energy and Precision Frontier II (PPD) | Exploration de la frontière d'énergie et de précision II (PPD)***

McMaster University

# Mon, June 6

1:15 PM

## M2-1 Exploring the Energy and Precision Frontier II (PPD) | Exploration de la frontière d'énergie et de précision II (PPD)

**Session** | **Location:** McMaster University, MDCL 1105 | **Convener:** Dominique Anderson Trischuk

1:15 - 1:45 PM **(I) ATLAS Highlights**

**Speaker**

Ellis Kay

1:45 - 2:00 PM

**(G\*) Relative luminosity measurement and long-term stability studies with ATLAS-TPX network during LHC Run-2.**

**Speaker**

Muhammad Usman

2:00 - 2:15 PM

**(G\*) Most precise measurement of the top-quark pair production cross-section in the single-lepton channel**

**Speaker**

Sahibjeet Singh

2:15 - 2:30 PM

**Search for single production of a vector-like T quark decaying into a Higgs boson and top quark with fully hadronic final states using the ATLAS detector**

**Speaker**

Joel Hengwei Foo

2:30 - 2:45 PM

**(G\*) Measurements of the production cross section for the collinear emission of a Z boson from a jet in pp collisions at 13 TeV with the ATLAS detector**

**Speaker**

Alexandre Laurier

2:45 PM