

Session Program

5-11 Jun 2022



**Canadian Association
of Physicists**

**Association canadienne
des physiciens et physiciennes**

2022 CAP Congress / Congrès de l'ACP 2022

***W3-1 New Physics and Dark Sector (DTP/PPD)
| Nouvelle physique et secteur sombre (DPT/
PPD)***

McMaster University

Wednesday 8 June

15:15

W3-1 New Physics and Dark Sector (DTP/PPD) | Nouvelle physique et secteur sombre (DPT/PPD)

Session | **Location:** McMaster University, MDCL 1105 | **Conveners:** Evan McDonough, Matthias Danninger

15:15–15:30 **(G*) Dark Matter-neutrino interactions through one-loop diagrams**

Speaker

Karen Macías Cárdenas

15:30–15:45 **Spin-dependent dark matter-electron interactions**

Speaker

Dr Chih-Pan Wu

15:45–16:15

(I) Z' Bosons in Supersymmetry: Mass Limits, Dark Matter, Anomalous Magnetic Moments, and Flavour Anomalies

Speaker

Mariana Frank

16:15–16:30 **Dark Sector Production via Proton Bremsstrahlung**

Speaker

Saeid Foroughi-Abari

16:30–16:45

Searching for Minicharged Particles at the LHC's Run-3 with the Phase-I MoEDAL-MAPP Detector

Speaker

Dr Michael Staelens

16:45