

Session Program

7-12 Jun 2020



**Canadian Association
of Physicists**

**Association canadienne
des physiciens et physiciennes**

2020 CAP Virtual Sessions / Sessions virtuelle de l'ACP 2020

PPD-2 : Dark Matter | Matière sombre

Virtual Platforms

Sunday 7 June

15:15

PPD-2 : Dark Matter | Matière sombre

Session | **Location:** Virtual Platforms | **Convener:** Marie-Cécile Piro

15:15–15:30

The NEWS-G light Dark Matter search experiment: New results from the LSM

Speaker

Daniel Durnford

15:30–15:45

Laser calibration & electron drift property analysis for NEWS-G

Speaker

Jean-Marie Coquillat

15:45–16:00

The ACHINOS sensor in the NEWS-G experiment

Speaker

Mr George Savvidis

16:00–16:15

Nuclear ionization yield measurements in Neon gas using spherical proportional counter for the NEWS-G experiments

Speaker

Marie Vidal

16:15–16:30

Latest data analysis results from DEAP-3600

Speaker

Ashley Joy

16:30–16:45

5.5 MeV Solar Axion Search with DEAP-3600

Speaker

Carl Rethmeier

16:45–17:00

Axion Dark Matter in Non-standard Cosmologies

Speaker

Maira Venegas

17:00–17:15

How was Dark Matter produced in the early universe? A Study of fermionic Dark Matter with a Z' portal

Speaker

Ms Taylor Gray

17:15