

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-1 : Neutrinos Physics and challenges for rare-event detection

Virtual Platforms

Monday 8 June

12:00

PPD-1 : Neutrinos Physics and challenges for rare-event detection

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

12:00-12:15

An Intermediate-Energy Neutron Beam for Calibrating Dark Matter Detectors

Speaker

Jean-François Caron

12:15-12:30

Low background optical system R&D for the Scintillating Bubble Chamber (SBC) detector

Speaker

Sumanta Pal

12:30-12:45

Pulse Fitting for Event Localization in PPC HPGe Detectors

Speaker

Ms Vasundhara Vasundhara

12:45-13:00

Linear Paul Trap for Ba-tagging (nEXO)

Speaker

Hussain Rasiwala

13:00-13:15

Towards Liquid Scintillator Phase of the SNO+ Neutrino Detector

Speaker

Ms Caroline Deluce

13:15-13:30

Silicon Photomultipliers for nEXO

Speaker

Simon Viel

13:30-13:55

Neutrino Oscillations at the T2K and Hyper-Kamiokande Experiments

Speaker

Dr Mark Hartz

13:55