

## **Session Program**

**6-11 Jun 2021**



**Canadian Association  
of Physicists**

**Association canadienne  
des physiciens et physiciennes**

## **2021 CAP Virtual Congress / Congrès virtuel de l'ACP 2021**

### ***R1-6 Particle Theory (DTP) / Théorie des particules (DPT)***

Underline Conference System

# Wednesday 9 June

11:45

## R1-6 Particle Theory (DTP) / Théorie des particules (DPT)

Session | Location: Underline Conference System | Convener: Yue Zhang

11:45-11:48 **Neutrino self-interactions and sterile neutrino dark matter**

**Speaker**

Manibrata Sen

11:48-11:51

**(G\*) Exploring Direct Detection Suppressed Regions in a Simple 2-Scalar Mediator Model of Scalar Dark Matter**

**Speaker**

Jérôme Claude

11:51-11:54

**(G\*) NLO effects on light tetraquark mass estimates using QCD sum rules**

**Speaker**

Barbara Cid Mora

11:54-11:57

**SU(2) lattice gauge theory on a quantum annealer**

**Speaker**

Emanuele Mendicelli

11:57-12:00

**Fixed target probes for the Higgs portal**

**Speaker**

Mr Saeid Foroughi-Abari

12:00-12:30

**Questions/Answers and Discussion Period**

12:30