

Session Program

5-11 Jun 2022



Canadian Association
of Physicists

Association canadienne
des physiciens et physiciennes

2022 CAP Congress / Congrès de l'ACP 2022

***M3-1 Advances in Nuclear and Particle Theory
(DTP/DNP/PPD) | Progrès en théorie des
particules et des noyaux (DPT/DPN/PPD)***

McMaster University

Sunday 5 June

16:00

M3-1 Advances in Nuclear and Particle Theory (DTP/DNP/PPD) | Progrès en théorie des particules et des noyaux (DPT/DPN/PPD)

Session | **Location:** McMaster University, MDCL 1105 | **Conveners:** Matthias Danninger, Michael Gericke, Marco Merkli

16:00–16:15 **(G*) The S-wave pairing gap in neutron matter**

Speaker

Georgios Palkanoglou

16:15–16:30

(G*) FeynArtsHelper- a Mathematica package for phenomenological calculations

Speaker

Reefat

16:30–17:00

(I) Neutrinos from the past, present and future: passage through compact objects

Speaker

Dr Liliana Caballero

17:00–17:15

Plane-wave and wave-packet neutrino oscillations in GR, $f(R)$ and in conformal coupling models

Speaker

Fayçal Hammad

17:15–17:30

Meson spectroscopy using holographic QCD plus 't Hooft equation

Speaker

Mohammad Ahmady

17:30