

Session Program

Jun 5 - 11, 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

Mon, June 6

4:00 PM

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

4:00 – 4:15 PM **(G*) The S-wave pairing gap in neutron matter**

Speaker

Georgios Palkanoglou

4:15 – 4:30 PM

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

Speaker

Reefat

4:30 – 5:00 PM

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

Speaker

Dr Liliana Caballero

5:00 – 5:15 PM

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

Speaker

Fayçal Hammad

5:15 – 5:30 PM

Meson spectroscopy using holographic QCD plus 't Hooft equation

Speaker

Mohammad Ahmady

5:30 PM