

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

M3-4 Black Holes (DTP) / Trous noirs (DPT)

Underline Conference System

Monday 7 June

15:45

M3-4 Black Holes (DTP) / Trous noirs (DPT)

Session | **Location:** Underline Conference System | **Convener:** Masoud Ghezelbash

15:45–15:48

Unexpectedly exciting axisymmetric apparent horizons

Speaker

Ivan Booth

15:48–15:51

The fate of apparent horizons in a binary black hole merger

Speaker

Robie Hennigar

15:51–15:54

(G*) Marginally Outer Trapped (Open) Surfaces in 4+1 Dimensional Spacetimes

Speaker

Sarah Muth

15:54–15:57

(G*) The many marginally outer trapped surfaces of Schwarzschild spacetime

Speaker

Kam To Billy Chan

15:57–16:00

Magnetic Modes of Gravitational Collapse

Speaker

Shantanu Basu

16:00–16:03

(U*) Black Hole Heat Engines and Critical Behaviour

Speaker

Sierra Jess

16:03–16:06

(U*) Efficiency of Black Hole Heat Engines and Universality

Speaker

Maria DiMarco

16:06–16:09

(G*) Thermodynamics of Exotic Gauss-Bonnet Black Holes

Speaker

Brayden Hull

16:09–16:12

(G*) Signatures of Primordial Black Holes in theories of Large Extra Dimensions

Speaker

Avi Friedlander

16:12–16:30

Questions/Answers and Discussion Period

16:30