

## **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**

### ***M4-4 Cosmology (DTP) / Cosmologie (DPT)***

Underline Conference System

Sunday 6 June

16:45

M4-4 Cosmology (DTP) / Cosmologie (DPT)

Session | Location: Underline Conference System | Convener: Levon Pogosian

16:45–16:48 Gravitational Waves interacting with matter in cosmology

Speaker  
Arundhati Dasgupta

16:48–16:51 Matter-Geometry Entanglement in Quantum Cosmology

Speaker  
Viqar Husain

16:51–16:54 Cosmology on the Beach: a formal analogy

Speaker  
Valerio Faraoni

16:54–16:57 On the quantum origin of a dark universe

Speaker  
Saurya Das

16:57–17:00 (G\*) Bubble Nucleation Events are Correlated

Speaker  
Dalila Pirvu

17:00–17:03 (G\*) Cosmological perturbation theory with matter time.

Speaker  
Mr Mustafa Saeed

17:03–17:06 (G\*) Gravitational Wave Backgrounds from Low Scale Inflation

Speaker  
Simran Nerval

17:06–17:09 (G\*) Sub-GeV Dark Vector Bosons and their Impacts on Cosmology

Speaker  
John Coffey

17:09–17:12 kSZ Tomography with Foregrounds and Systematics

Speaker  
Richard Bloch

17:12–17:30 Questions/Answers and Discussion Period

17:30