

## **Session Program**

**Jun 6 - 11, 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

# Mon, June 7

4:45 PM

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

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

4:45 - 4:48 PM **Gravitational Waves interacting with matter in cosmology**

**Speaker**

Arundhati Dasgupta

4:48 - 4:51 PM **Matter-Geometry Entanglement in Quantum Cosmology**

**Speaker**

Viqar Husain

4:51 - 4:54 PM **Cosmology on the Beach: a formal analogy**

**Speaker**

Valerio Faraoni

4:54 - 4:57 PM **On the quantum origin of a dark universe**

**Speaker**

Saurya Das

4:57 - 5:00 PM **(G\*) Bubble Nucleation Events are Correlated**

**Speaker**

Dalila Pirvu

5:00 - 5:03 PM **(G\*) Cosmological perturbation theory with matter time.**

**Speaker**

Mr Mustafa Saeed

5:03 - 5:06 PM **(G\*) Gravitational Wave Backgrounds from Low Scale Inflation**

**Speaker**

Simran Nerval

5:06 - 5:09 PM **(G\*) Sub-GeV Dark Vector Bosons and their Impacts on Cosmology**

**Speaker**

John Coffey

5:09 - 5:12 PM **kSZ Tomography with Foregrounds and Systematics**

**Speaker**

Richard Bloch

5:12 - 5:30 PM **Questions/Answers and Discussion Period**

5:30 PM