



# Theory Canada 15

## Saturday, June 17, 2023

### Relativity, Gravitation and Cosmology - Dunn 113 (9:00 AM - 10:30 AM)

-Conveners: Hubert de Guise

time	[id] title	presenter
9:00 AM	[22] Indeterminacy in Classical Cosmology with Dark Matter	HUSAIN, Viqar
9:30 AM	[20] Exotic Marginally Outer Trapped Surfaces are Unstable	BOOTH, Ivan
10:00 AM	[11] Negative Mass in the Universe is Relative, Repulsive and Real	Prof. PARANJAPE, Manu

### Relativity, Gravitation and Cosmology - Dunn 113 (11:00 AM - 12:30 PM)

-Conveners: Hubert de Guise

time	[id] title	presenter
11:00 AM	[6] Tentative evidence for cosmological coupling of black holes and implications for dark energy	FARAONI, Valerio
11:30 AM	[7] BPS Gravitational Solitons in Anti-de Sitter Spacetimes	DURGUT, Turkuler
12:00 PM	[19] A five dimensional distorted black hole with a "bubble".	TAVAYEF, Matin

### Relativity, Gravitation and Cosmology - Dunn 113 (2:00 PM - 2:30 PM)

time	[id] title	presenter
2:00 PM	[8] Conservation, Non-conservation Laws and Gravitational Energy momentum in Curved Spacetime	Prof. WU, Zhao Yan