



# Sixteenth Marcel Grossmann Meeting

## Monday, July 5, 2021

### Dark Energy and the Accelerating Universe: Block 1 (4:30 PM - 7:30 PM)

-Conveners: David Polarski; Alexei Starobinsky

time	[id] title	presenter
4:30 PM	[214] Cosmological reconstruction of gravity	POGOSIAN, Levon
4:50 PM	[88] Probing modified gravity with cosmology and solutions to the Hubble tension	FRUSCIANTE, Noemi
5:10 PM	[517] Testing the equivalence principle on cosmological scales	BONVIN, Camille
5:30 PM	[202] Non-linear perturbations in the Galileon Ghost Condensate model	Dr PACE, Francesco
5:50 PM	[84] Testing $F(Q)$ gravity with redshift space distortions	BARREIRO, Tiago
6:10 PM	[867] Observational Constraints of Dark D-Brane Cosmology	TEIXEIRA, Elsa
6:30 PM	[811] Simulation-wise Comparison of Yukawa and Newtonian Gravitational Forces	CANAY, Ezgi

# Tuesday, July 6, 2021

## Dark Energy and the Accelerating Universe: Block 2 (9:30 AM - 12:30 PM)

-Conveners: David Polarski; Alexei Starobinsky

time	[id] title	presenter
9:30 AM	[612] Observational signatures of dark energy and dark matter interactions	TSUJIKAWA, Shinji
9:50 AM	[705] Evidence for Emergent Dark Energy	SHAFIELOO, Arman
10:10 AM	[18] Testing LCDM with eBOSS / SDSS	KEELEY, Ryan
10:30 AM	[767] Anisotropic cosmological models in Horndeski gravity	Prof. VOLKOV, Mikhail
10:50 AM	[914] Reconstructing the growth and expansion history. The case for negative dark energy?	L'HUILLIER, Benjamin
11:10 AM	[270] Tracker phantom field and a cosmological constant: dynamics of a composite dark energy model	URENA-LOPEZ, Luis
11:30 AM	[104] Cosmology with Type Ia supernovae: Searching for systematics and model independent reconstructions	KOO, Hanwool
11:50 AM	[452] Constraining the dark energy-dark matter interaction model using low-redshift observations	SANGWAN, Archana

# Thursday, July 8, 2021

## Dark Energy and the Accelerating Universe: Block 3 (4:30 PM - 7:30 PM)

-Conveners: Alexei Starobinsky; David Polarski

time	[id] title	presenter
4:30 PM	[745] Soft Dark Energy and Soft Dark Matter	Prof. SARIDAKIS, Emmanuel
4:50 PM	[868] Probing the swampland with dark energy observations of Euclid, SKA, and LSST.	BARRAU, Aurélien
5:10 PM	[110] The CMaDE Model: a simple Quantum Mechanical explanation for the Accelerated Expansion of the Universe	Dr MATOS, Tonatiuh
5:30 PM	[883] A simple parametrisation for coupled dark energy	DA FONSECA, Vitor
5:50 PM	[323] Observational constraints on nonlinear matter extensions of general relativity	MARTINS, Carlos
6:10 PM	[113] Testing Late Time Cosmic Acceleration with uncorrelated Baryon Acoustic Oscillations dataset	STAIKOVA, Denitsa
6:30 PM	[1011] Gravitational Interaction in the Chimney Lattice Universe	MCLAUGHLIN, Andrew
6:50 PM	[100] On the Hubble constant tension in the SNe Ia Pantheon sample	DE SIMONE, Biagio
7:10 PM	[617] On the evolution of inhomogeneous perturbations in the $\Lambda$ CDM model and $f(R)$ modified gravity theories	SCHIAVONE, Tiziano