

Sixteenth Marcel Grossmann Meeting

Monday, 5 July 2021

Dark Energy and the Accelerating Universe: Block 1 (16:30 - 19:30)

-Conveners: Alexei Starobinsky; David Polarski

| time | [id] title | presenter |
|-------|--|--------------------|
| 16:30 | [214] Cosmological reconstruction of gravity | POGOSIAN, Levon |
| 16:50 | [88] Probing modified gravity with cosmology and solutions to the Hubble tension | FRUSCIANTE, Noemi |
| 17:10 | [517] Testing the equivalence principle on cosmological scales | BONVIN, Camille |
| 17:30 | [202] Non-linear perturbations in the Galileon Ghost Condensate model | Dr PACE, Francesco |
| 17:50 | [84] Testing $F(Q)$ gravity with redshift space distortions | BARREIRO, Tiago |
| 18:10 | [867] Observational Constraints of Dark D-Brane Cosmology | TEIXEIRA, Elsa |
| 18:30 | [811] Simulation-wise Comparison of Yukawa and Newtonian Gravitational Forces | CANAY, Ezgi |

Tuesday, 6 July 2021

Dark Energy and the Accelerating Universe: Block 2 (09:30 - 12:30)

-Conveners: David Polarski; Alexei Starobinsky

| time | [id] title | presenter |
|-------|--|-----------------------|
| 09:30 | [612] Observational signatures of dark energy and dark matter interactions | TSUJIKAWA, Shinji |
| 09:50 | [705] Evidence for Emergent Dark Energy | SHAFIELOO, Arman |
| 10:10 | [18] Testing LCDM with eBOSS / SDSS | KEELEY, Ryan |
| 10:30 | [767] Anisotropic cosmological models in Horndeski gravity | Prof. VOLKOV, Mikhail |
| 10:50 | [914] Reconstructing the growth and expansion history. The case for negative dark energy? | L'HUILLIER, Benjamin |
| 11:10 | [270] Tracker phantom field and a cosmological constant: dynamics of a composite dark energy model | URENA-LOPEZ, Luis |
| 11:30 | [104] Cosmology with Type Ia supernovae: Searching for systematics and model independent reconstructions | KOO, Hanwool |
| 11:50 | [452] Constraining the dark energy-dark matter interaction model using low-redshift observations | SANGWAN, Archana |

Thursday, 8 July 2021

Dark Energy and the Accelerating Universe: Block 3 (16:30 - 19:30)

-Conveners: Alexei Starobinsky; David Polarski

| time | [id] title | presenter |
|-------|---|---------------------------|
| 16:30 | [745] Soft Dark Energy and Soft Dark Matter | Prof. SARIDAKIS, Emmanuel |
| 16:50 | [868] Probing the swampland with dark energy observations of Euclid, SKA, and LSST. | BARRAU, Aurélien |
| 17:10 | [110] The CMaDE Model: a simple Quantum Mechanical explanation for the Accelerated Expansion of the Universe | Dr MATOS, Tonatiah |
| 17:30 | [883] A simple parametrisation for coupled dark energy | DA FONSECA, Vitor |
| 17:50 | [323] Observational constraints on nonlinear matter extensions of general relativity | MARTINS, Carlos |
| 18:10 | [113] Testing Late Time Cosmic Acceleration with uncorrelated Baryon Acoustic Oscillations dataset | STAICOVA, Denitsa |
| 18:30 | [1011] Gravitational Interaction in the Chimney Lattice Universe | MCLAUGHLIN, Andrew |
| 18:50 | [100] On the Hubble constant tension in the SNe Ia Pantheon sample | DE SIMONE, Biagio |
| 19:10 | [617] On the evolution of inhomogeneous perturbations in the Λ CDM model and $f(R)$ modified gravity theories | SCHIAVONE, Tiziano |