

Sixteenth Marcel Grossmann Meeting

Monday, 5 July 2021

Status of the H_0 and Σ_8 Tensions: Theoretical Models and Model-Independent Constraints: Block 1 (16:30 - 19:30)

-Conveners: Adrià Gómez-Valent; Joan Solà Peracaula

time	[id] title	presenter
16:30	[711] Measuring $H(z)$ in a cosmology-independent way	AMENDOLA, Luca
16:52	[909] Interacting vacuum cosmology and observational constraints	WANDS, David
17:14	[597] Cosmological tensions: hints for a new concordance model?	DI VALENTINO, Eleonora
17:36	[97] Hubble speed from first principles	SILVESTRI, Alessandra
17:58	[251] Let us bury the prehistoric h : arguments against using Mpc/h units in observational cosmology	SANCHEZ, Ariel G.
18:20	[67] Quantifying the S_8 tension with the Redshift Space Distortion data set	BENISTY, David
18:42	[382] Measuring Hubble's Constant with the Inverse Distance Ladder	MACAULAY, Ed
19:01	[344] Early and not so early dark energy. What do cosmological observations tell us about them?	GÓMEZ-VALENT, Adrià

Wednesday, 7 July 2021

Status of the H_0 and Σ_8 Tensions: Theoretical Models and Model-Independent Constraints: Block 2 (09:30 - 12:30)

-Conveners: Adrià Gómez-Valent; Joan Solà Peracaula

time	[id] title	presenter
09:30	[320] Gravitational anomalies , axions and a string-inspired Running Vacuum Model in Cosmology	MAVROMATOS, Nikolaos
09:52	[703] Parameter discordance in current cosmology: projection in the primordial power spectrum	SHAFIELOO, Arman
10:14	[293] Extra components solutions to the Hubble tension with BBN	TODA, Yo
10:33	[697] A compelling resolution to H_0 tension	Ó COLGÁIN, Eoin
10:55	[442] Λ CDM and running vacuum models: theoretical background and current observational status	DE CRUZ PÉREZ, Javier
11:17	[663] Prospect of Measuring Hubble Constant using Gravitational Wave Sources	MUKHERJEE, Suvodip
11:36	[398] Renormalized ρ_{vac} without m^4 terms	MORENO PULIDO, Cristian
11:58	[885] Unparticles and H_0 -tension in the late-time universe	AGHAEI, Maryam

Thursday, 8 July 2021

Status of the H₀ and Sigma₈ Tensions: Theoretical Models and Model-Independent Constraints: Block 3 (16:30 - 19:30)

-Conveners: Joan Solà Peracaula; Adrià Gómez-Valent

time	[id] title	presenter
16:30	[826] Testing Gravity on Cosmic Scales: A Case Study of Jordan-Brans-Dicke Theory	JOUDAKI, Shahab
16:52	[403] Dark matter-dark energy interactions and their cosmological implications	LUCCA, Matteo
17:11	[856] Exploring Cosmological Concordance with ACT DR4, Planck, and Beyond	HILL, J. Colin
17:33	[750] Alleviating H ₀ and sigma ₈ tensions with f(T) gravity, using the effective field theory approach	Prof. SARIDAKIS, Emmanuel
17:52	[313] Cluster cosmology: impact of the mass calibration on the sigma ₈ tension.	SALVATI, Laura
18:11	[580] The Tale of H ₀ Crisis and the Gravitational Transition	ALESTAS, George
18:30	[260] Measuring the Hubble constant from Gravitational Lensing	WILLIAMS, Liliya
18:52	[215] The Hubble tension and the magnetic universe	POGOSIAN, Levon
19:11	[814] Precision Cosmology and Hubble tension in the era of LSS surveys	FANIZZA, Giuseppe