

Sixteenth Marcel Grossmann Meeting

Monday, 5 July 2021

Loop Quantum Gravity: Cosmology and Black Holes: Block 2 (16:30 - 19:30)

-Conveners: Jorge Pullin; Parampreet Singh

time	[id] title	presenter
16:30	[477] Properties of a class of spherically symmetric polymer black holes	Mr GAN, Wen-Cong
16:47	[640] Infrared signature of quantum bounce in collapsing geometry	SAHOTA, Harkirat Singh
17:04	[871] Closer look at white hole remnants	BARRAU, Aurélien
17:29	[1002] Effect of loop quantization prescriptions on the physics of non-singular gravitational collapse	Prof. SINGH, Parampreet
17:54	[600] Holonomy corrections in effective midisuperspace models	ALONSO-BARDAJI, Asier
18:11	[427] Loop quantum Schwarzschild interior and black hole remnant	ZHANG, Cong
18:28	[408] Revisiting the Hamiltonian formalism of the Ashtekar-Olmedo-Singh black hole model	GARCÍA-QUISMONDO, Alejandro
18:45	[675] Effective black hole interior and the Raychadhuri equation	RASTGOO, Saeed
19:02	[304] How classical are Gaussian states in loop quantum cosmology?	FRASER, Patrick

Thursday, 8 July 2021

Loop Quantum Gravity: Cosmology and Black Holes: Block 1 (16:30 - 19:30)

-Conveners: Jorge Pullin; Parampreet Singh

time	[id] title	presenter
16:30	[638] Alleviating tensions in the CMB using Planck scale physics: A Cosmic Tango between the very large and very small	SREENATH, V
16:45	[93] Primordial power spectrum from a matter-ekpyrotic bounce scenario in loop quantum cosmology	SAINI, Sahil
17:00	[449] Towards a reduced phase space quantization in loop quantum cosmology with an inflationary potential	GIESEL, Kristina
17:20	[338] Primordial perturbations in kinetically dominated regimes of classical and quantum cosmology	MENA MARUGÁN, Guillermo Antonio
17:40	[476] Initial Conditions in LQC/mLQCs	Prof. WANG, Anzhong
18:00	[523] Predictions for the CMB in inflationary and anisotropic cosmologies	OLMEDO, Javier
18:15	[298] The primordial power spectra in modified loop quantum cosmology	LI, Baofei
18:30	[316] Anomalies in the CMB from a cosmic bounce	KRANAS, Dimitrios
18:45	[718] A family of metric-affine $f(R)$ theories for Loop Cosmologies	DELHOM I LATORRE, Adrià
19:00	[130] Loop Quantum Gravity on Dynamical Lattice and Improved Cosmological Effective Dynamics with Inflaton	LIU, Hongguang