

Sixteenth Marcel Grossmann Meeting

Monday, July 5, 2021

Quantum Gravity Phenomenology: Block 1 (4:30 PM - 7:30 PM)

-Conveners: Jerzy Kowalski-Glikman; Giovanni Amelino-Camelia

time	[id] title	presenter
4:30 PM	[M445] Discrete symmetries and quantum gravity phenomenology	Prof. KOWALSKI-GLIKMAN, Jerzy
5:05 PM	[M437] Poincaré invariance with a minimal length	BIANCHI, Eugenio
5:40 PM	[M490] Spinfoams, γ -duality and Parity Violation in Primordial Gravitational Waves	RINCON RAMIREZ, Monica
6:00 PM	[M477] A model of polymer gravitational waves: theory and some possible observational consequences	RASTGOO, Saeed
6:30 PM	[M494] Quantum Gravity Phenomenology in the Infrared	Prof. MINIC, Djordje

Tuesday, July 6, 2021

Quantum Gravity Phenomenology: Block 2 (9:30 AM - 12:30 PM)

-Conveners: Giovanni Amelino-Camelia; Jerzy Kowalski-Glikman

time	[id] title	presenter
9:30 AM	[M34] Testing curvature-induced in-vacuo dispersion with gamma-ray-bursts	ROSATI, Giacomo
10:00 AM	[M18] Baryon Asymmetry from the Generalized Uncertainty Principle	Mr FRIDMAN, Mitja
10:25 AM	[M7] Quantum Gravity and Grand Unification	KWAPISZ, Jan
10:50 AM	[M7] Entanglement Entropy at Critical Points in the Multiverse	BARROSO BELLIDO, Samuel
11:15 AM	[M7] Nonsymmetric metric tensor as an approach to quantum gravity	TAWFIK, Abdel Nasser
11:40 AM	[M11] Nonunitarity problem in quantum gravity corrections to quantum field theory with Born-Oppenheimer approximation	MANICCIA, Giulia
12:05 PM	[M7] Observing acceleration induced emission of Unruh deWitt Detector	LOCHAN, Kinjal

Wednesday, July 7, 2021

Quantum Gravity Phenomenology: Block 3 (9:30 AM - 12:30 PM)

-Conveners: Jerzy Kowalski-Glikman; Giovanni Amelino-Camelia

time	[id] title	presenter
9:30 AM	[152] Presenting Different time steps, at the start of inflation, Using Kiefer Density Matrix, for the use of an Inflaton, in determining different conceivable time intervals for time flow Analysis	BECKWITH, Andrew
9:55 AM	[173] Effective field theory from Relativistic Generalized Uncertainty Principle	TODORINOV, Vasil
10:20 AM	[117] Stelle Gravity as the limit of Quantum Gravity with a momentum cutoff	Mr NENMELI, Vijay
10:45 AM	[102] Test of Quantum Gravity in Statistical Mechanics	Mr FRIDMAN, Mitja
11:10 AM	[149] Violation of Chandrasekhar mass-limit in noncommutative geometry	Mr KALITA, Surajit
11:35 AM	Jose Manuel Carmona	
11:50 AM	Summary of the session QG2	