

COST CA18108 Third Annual Conference - Napoli (Italy)

Wednesday, July 13, 2022

Talks (9:00 AM - 11:00 AM)

time	[id] title	presenter
9:00 AM	[85] Welcome	AMELINO-CAMELIA, Giovanni CARMONA, Jose Manuel
9:30 AM	[87] Testing Lorentz Invariance Violation on Observations of Energy-dependent Time Delays with Imaging Atmospheric Cherenkov Telescopes, status and outlook	CAROFF, Sami
10:20 AM	[95] Time delays, choice of energy-momentum variables and relative locality in doubly special relativity	REYES, Maykoll
10:40 AM	[96] Total momentum from dynamics in quantum spacetime	FABIANO, Giuseppe

Talks (11:30 AM - 1:00 PM)

time	[id] title	presenter
11:30 AM	[90] Loop Quantum Gravity and its road to phenomenology	LIEGENER, Klaus
12:20 PM	[91] General relativity as an effective field theory of quantum gravity	BLIXT, Daniel
12:40 PM	[92] A QFT toy model with a minimal length	BOSSO, Pasquale

Talks (2:30 PM - 4:10 PM)

time	[id] title	presenter
2:30 PM	[98] Phenomenological signatures of two-body decays in deformed relativity	LOBO, Iarley
2:50 PM	[99] Geometrize and conquer: the Klein-Gordon and Dirac equations in Doubly Special Relativity	RELANCIO, Javier
3:10 PM	[101] Quantum Euler angles and agency-dependent properties of spacetime	FRATTULILLO, Domenico
3:30 PM	[127] On the spectral dimensionality of quantum space(time)s	TRZEŚNIEWSKI, Tomasz
3:50 PM	[102] Generalized Uncertainty Principle or Curved Momentum Space?	WAGNER, Fabian

Talks (4:40 PM - 6:00 PM)

time	[id] title	presenter
4:40 PM	[125] Quantum gravitational decoherence from minimal length scale	PETRUZZIELLO, Luciano
5:00 PM	[124] Non-unitary quantum dynamics induced by deformed spacetime symmetries	D'ESPOSITO, Vittorio
5:20 PM	[108] Momentum Gauge Fields and non-commutative space-time, Momentum Field Theory and Brane Worlds	GUENDELMAN, Eduardo
5:40 PM	[107] Casimir effect's constraints on Quantum Gravity	FRANCHINO-VIÑAS, Sebastián

Thursday, July 14, 2022

Talks (9:00 AM - 10:50 AM)

time	[id] title	presenter
9:00 AM	[93] Gravitational waves propagation as a probe of quantum and alternative theories of gravity	HAEGEL, Leila
9:50 AM	[94] Gravitational-wave interferometers and possible quantum gravity signatures	SCHIOPPA, Enrico Junior
10:10 AM	[97] Tests of general relativity with precessing black-hole-binary systems	HAMILTON, Eleanor
10:30 AM	[100] Constraining gravity theories through the scalar induced gravitational waves from primordial black hole Poisson fluctuations	PAPANIKOLAOU, Theodoros

Talks (11:20 AM - 12:50 PM)

time	[id] title	presenter
11:20 AM	[103] Testing gravitational models and quantum gravity proposals with Gravitational Waves	SAKELLARIADOU, Mairi
12:10 PM	[104] Extracting cosmological dynamics from quantum gravity	ORITI, Daniele
12:30 PM	[105] Hubble tension and quantum gravity effects	MARCIANO, Antonino

Talks (2:30 PM - 4:00 PM)

time	[id] title	presenter
2:30 PM	[111] kappa-fields, kappa-symmetries, and kappa-states	KOWALSKI-GLIKMAN, Jerzy
3:00 PM	[113] Quantum properties of $U(1)$ -like gauge theory on κ -Minkowski	HERSENT, Kilian
3:20 PM	[114] K-Braided non-commutative field theory	DI LUCA, Maria Grazia
3:40 PM	[106] Cosmological models evolving through the Big Bang	ADAMO, Martina

Talks (4:30 PM - 5:50 PM)

time	[id] title	presenter
4:30 PM	[126] Measuring the weight of quantum vacuum with Archimedes experiment	ALLOCCA, Annalisa
4:50 PM	[115] Tensions in uncorrelated Baryon Acoustic Oscillations dataset	STAIKOVA, Denitsa
5:10 PM	[118] Spherically symmetric, static spacetimes and their perturbations in the effective field theory of gravity	NAGY, Cecília
5:30 PM	[132] Echoes from backreacting exotic compact objects	VELLUCCI, Vania

Friday, July 15, 2022

Talks (9:00 AM - 10:50 AM)

time	[id] title	presenter
9:00 AM	[119] Testing Lorentz invariance with UHECRs in extragalactic space and Earth's atmosphere with the Pierre Auger Observatory	BONCIOLI, Denise
9:50 AM	[120] Cross-correlations for UHECRs (and neutrinos)	URBAN, Federico
10:10 AM	[121] Vacuum-Cherenkov radiation in UHE air showers: a way of probing Lorentz violation	DÜNKEL, Fabian
10:30 AM	[122] Impact of LHC data on ultra-high energy cosmic-ray physics	CERCI, Salim

Talks (11:30 AM - 1:00 PM)

time	[id] title	presenter
11:30 AM	[123] Neutrinos: messengers of quantum gravity	PALOMARES-RUIZ, Sergio
12:20 PM	[128] Tests of Lorentz Invariance violating and other Non Standard Interaction effects with neutrino phenomenology	ANTONELLI, Vito TORRI, Marco
12:40 PM	[130] Prospects for neutrino decoherence measurements at KM3NeT	COELHO, Joao

Talks (2:30 PM - 4:10 PM)

time	[id] title	presenter
2:30 PM	[89] Shower formation constraints on cubic LIV parameters in quantum electrodynamics.	SATUNIN, Petr
2:50 PM	[109] Phenomenology of time-varying neutrino masses	MARTÍNEZ-MIRAVÉ, Pablo
3:10 PM	[88] Large Extra Dimensions and Neutrino experiments	TERNES, Christoph Andreas
3:30 PM	[116] The role of uncertainties in quantum cosmology	RIAHI, Natascha
3:50 PM	[117] The Quantum Field Theory of Quadratic Gravity	MENEZES, Gabriel