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ALEJANDRO GARCÍA: On the canonical transformations group and polymer quantum mechanics

Wednesday, 19 February 2020 16:00 (30 minutes)

Polymer quantum mechanics constitutes a theoretical lab where some of the mathematical techniques used in Loop Quantum Cosmology and Loop Quantum Gravity can be tested or better understood. On the other hand, the canonical transformations are an essential tool of the Hamiltonian formalism at both, classical and quantum level. In this talk, I will discuss the unitary representation of the canonical transformation within the polymer quantum mechanics scheme and will show some of its implications.

Session Classification: SHORT TALKS

Track Classification: SYMPOSIUM ON SCATTERING, QUANTUM AND CLASSICAL TRANSPORT