

Wednesday 20 July

Room	Room 104	Room 346	Frenel	Room 150	Carnot
Topics	Conformal field theory	PT-symmetries, dynamical symmetries and superintegrability	Quantum optics, coherent states and quantum information	Foundations of quantum physics	Symmetries in integrable systems
14:00-14:30	Yokoyama: A recent development of spin CFT and level-rank duality	Latini: Polynomial algebras of superintegrable systems separating in Cartesian coordinates from higher order ladder operators	Chiribella: Optimal programming of quantum gates	Moylan: Relativistic Kinematics in Flat and Curved Spacetimes	Gomes: Twisted Affine Integrable Hierarchies and Soliton Solutions
14:30-15:00	Popov: Jordan algebras and Conformal Dynamical Symmetries	Snobl: Pairs of commuting quadratic elements in the universal enveloping algebra of Euclidean algebra and integrals of motion	Vourdas: A study of multipartite quantum systems based on Markov matrices and the Gini index	Nisticò: Group Theoretical Derivation of Consistent Free Particle	Hoque: A family of three-dimensional classical Hamiltonian systems in magnetic field
15:00-15:30	Kuwata: Spin degrees of freedom incorporated in conformal group	Quesne: Ladder operators and Lie algebras for a model with quadratic complex interaction	Mancini: p-adic qubits from irreducible representations of $SO(3)_p$	Schuch: On a Reformulation of Bohmian Mechanics	López-Gordón: Non-conservative systems can have conserved quantities! Symmetries, reduction and Hamilton-Jacobi theory for forced mechanical systems
15:30-16:00		Marquette: Exact solvability and superintegrability : Algebraic constructions	Woods: Optimal Universal Quantum Error Correction via Bounded Reference Frames		
16:00-16:30	Coffee-break				