

Thursday, July 27

QTS12 - Prague 2023

Room	B103	B10	B115	B11
Topic	1	12	2	8 + 14
14:00-14:25	Buchel: Dynamical fixed points in holography	Vassilev: Exact solutions to a family of nonlinear Schrödinger equations	Lim: Positive mass gap of Yang-Mills fields	Hrivnák: Electron in triangular graphene dots
14:30-14:55	Bhamidipati: Topology of Black Hole Thermodynamics and Holography	Amatuni: Super stable points, cycles and magnetization properties for antiferromagnetic spin-1 models on diamond chains including nodal-nodal interactions	Cho: Abelian decomposition of QCD and two types of gluons	Kwon: Relaxed category and vanishing of cohomology associated to quantum reduction
15:00-15:25	Joung: Covariant Wildline Actions and Dual Pair Correspondences	Ciurla: Negative radiation pressure in Bose–Einstein condensates	Yanai: Q-ball, Q-shell capacitor	Ananikian: Thermal entanglement and magnetic properties of the Ni-containing phosphonate based cage with ferromagnetic and antiferromagnetic couplings
15:30 - 15:55	Koning: The embedding formalism for supersymmetric field theories in N-extended anti de Sitter superspace	Doliwa: Integrability properties of the Hermite–Padé approximation and interpolation problems	Nicasio: Non-perturbative Landau-Khalatnikov-Fradkin gauge transformations for the propagator and vertex in QED	Prykarpatski: The parametric Kardar-Parisi-Zhang equation of spin glasses theory, its integrability and related thermodynamic stability
Topic	1	12 + 6	2 + 6	6
16:00-16:25	Coffee Break			
16:30-16:55	Wijewardhana: W.K.B. approximation to bosonic dark matter	Romańczukiewicz: Negative radiation pressure in soliton dynamics	Kumar: Exact gauge fields from anti-de Sitter space	Savu: Processes with zero-range interaction and integrability
17:00-17:25	Vojinovic: Higher category theory and n-groups as gauge symmetries for quantum gravity	Sawado: Mock-integrability and stable solitary vortices	Kuwata: Conformal Symmetry in the Bhabha Theory	Blaschke: Mechanization of scalar field theory in (1+1)-dimensions
17:30-17:55	Chakrabarti: On-Shell Action of Type IIB theory on $AdS_5 \times S^5$	Shima: Nonlinear supersymmetric general relativity theory	Samsarov: Toward black hole QNM spectrum from quantum spacetime deformation	Beneš: Shapes of magnetic monopoles in effective $SU(2)$ models
18:00-18:25	Suszek: A twisted Soul in a plain Body – a Cartan-Borel tale of the superstring	vom Ende: The Stinespring Form, Dynamical Semigroups, and Markovianity in Quantum Thermodynamics	Levkovich-Maslyuk: Separation of variables and correlation functions from spin chains to CFT	Cherniha: Symmetries and exact solutions of the Lotka-Volterra type systems