Wednesday, July 11 **Group32 - Prague 2018**

Room	Atrium	10	11	103	111	114	115	215	314
Topic	**1**	**11**	**3**	**2**	**10**	**8**	**5**	**13**	
14:00-14:25	Van der Jeugt: Parabosons, parafermions and representations of (Z 2 × Z 2) graded Lie superalgebras	Deriglazov: Corrections to Lense-Thirring and frame-dragging effects due to gravimagnetic moment of a	Rosenhaus: SUB-SYMMETRIES: properties, and applications	Bai: Deformations and their controlling cohomologies of O-operators	Klauder: Solving the Insoluble: A New Rule for Quantization	Bergshoeff: Gravity and the planar spin-2 Schrödinger equation	Vinet: The Racah algebra as a finite W algebra and superintegrable models	Vinitsky: On generation of the Bargmann-Moshinsky basis of SU(3) group	
14:30-14:55	Stoilova: Odd Gel'fand-Zetlin basis and Clebsch-Gordan Coefficients for Covariant Representations of the Lie	Rausch de Traubenberg: Dihedral Invariant Polynomials in the effective Lagrangian of QED (I)	HATZINIKITAS: The short-time limit of the Dirichlet partition function and the image method	Chen: Characterizing topological properties of 1D non-Hermitian systems with chiral symmetry by winding	Schroeck, Jr.: Theory and Examples of Quantum Mechanics on Phase Space	Marrani: On the Physics of Exceptional Periodicity	Tempesta: Haantjes Algebras and Superintegrability	Gozdz: Partner groups and quantum numbers	
15:00-15:25	Nishiyama: Fourier transform of the Riesz distribution on enhanced symmetric cone	SAWADO: Spectral flow and the index analysis for the skyrmions of the CP^N and the F_N	Simulik: On the bosonic symmetries of the Dirac equation with nonzero mass	Yahalom: Metage Symmetry Group of Non Barotropic Magnetohydrodynamics and the Conservation of Cross	Kowalski: On the coherent states in the relativistic quantum mechanics	Kunitomo: Heterotic string field theory and new relations extending L ∞ algebra	Post: Rank-2 Racah and Askey-Wilson Algebras	Gusev: High Accruracy Finite Element Method for Elliptic Multidimensional Boundary Value Problems	
15:30 - 15:55	Zuevsky: Foliations associated to vertex algebras	Shnir: Gauged Baby Skyrme Model with and without Chern-Simons Term	Kuwata: Quaternion-based generalization of conformal maps	Sergyeyev: Plethora of integrable (3+1)-dimensional systems via contact geometry	Horzela: Hermite coherent states: expected and unexpected properties	Zheng-Johansson: Gravitational Radiation – A Solution based on Quantum Electromagnetism	Ritter: Scattering of deformed two dimensional coulomb potential	Kycia: Topological analysis of nuclear pasta phases	
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16:00-16:25	Coffee Break								
16:30-16:55	Alcock-Zeilinger: Hermitian Young projection and unitary transition operators of SU(N) on V ⊗m	Faux: A graph-theoretic underpinning for conformal supergravity	Berntson: Integrable delay-differential equations	Motegi: Izergin-Korepin approach to symmetric functions	de Guise: Sum rules and coset functions in multiphoton interferometry	Novák: Problem of finite number of Hopf-linked rings	Pogosyan: Elliptic basis for the Zernike system	Salehi: A New Model for Calculating the Mass Spectrum of Hyperons under the Modified killingbeck Potentioal	
17:00-17:25	Olive: Effective computation of SO(3) and O(3) linear representations symmetry classes	Catto: Octonionic Methods in Field Theory	Charalambous: Lie and non-Lie symmetries for a chain of equations arising from a nonlinear diffusion-convection	Jakimowicz: Tangent lifts of bi-Hamiltonian structures	Koide: Second Law of Thermodynamics induced by Symmetry analogous to Pseudo-Hermiticity in Nonequilibrium	Sciarappa: Gauge theory approach to quantum relativistic integrable systems	Abouamal: Superintegrable quantum systems	Pedrak: Quanym algebraic motion and partner groups	
17:30-17:55	Butorac: Principal subspaces of higher level standard modules for twisted affine Lie algebras	Gresnigt: Braids, normed division algebras, and Standard Model symmetries	Zohrabi: Locally Conformally Cocalibrated G2-Structure	Grekov: Supersymmetric generalization of the qKZ-Ruijsenaars correspondence	Czuchry: Quantum Toda-like regularisation of the Mixmaster anisotropy	Sabido: On Deformed Phase Space Deformations in Cosmology.	Rauch: Number of integrals required for integrability	Moroz: A general constraint polynomial approach	
18:00-18:25	Mangum: Fermionic Representations of Twisted Toroidal Lie Algebras	Smaldone: Patterns of chiral symmetry breaking and dynamical generation of fermion mixing	Mendez Fragoso: Analytical solutions of the Gross-Pitaevskii equation for ultra-cold matter wave packet	Wojciechowicz: Deformation of algebroid bracket of differential forms and Poisson manifold	Gazeau: From classical to quantum models: the regularising role of integrals, symmetry and probabilities	Aschheim: Constructing numbers in quantum gravity: infinions	Bertrand: Integrable Hamiltonian systems with magnetic field via circular parabolic-type integrals of	Garcia: Colombeau Quaternion full Algebra	