

TALKS OVERVIEW - JULY 31, 2023

	FIRST NAME	SURNAME	TITLE OF CONTRIBUTION
1	Gayane	Amatuni	Super stable points, cycles and magnetization properties for antiferromagnetic spin-1 models on diamond chains including nodal-nodal interactions
2	Nerses	Ananikian	Thermal entanglement and magnetic properties of the Ni -containing phosphonate based cage with ferromagnetic and antiferromagnetic couplings
3	Lilia	Anguelova	Dynamical Consistency Conditions for Rapid Turn Inflation
4	Paolo	Aniello	States, observables and symmetries in p-adic quantum mechanics
5	Masato	Arai	Revisiting Atiyah-Hitchin manifold in the generalized Legendre transform
6	Tatyana	Barron	Semiclassical asymptotics and entropy
7	Edwin	Beggs	Noncommutative geodesics and quantum mechanics
8	Guldana	Bekova	Rogue wave solutions for the integrable generalized spin model
9	Petr	Beneš	Shapes of magnetic monopoles in effective SU(2) models
10	Sebastien	Bertrand	Representations of the rank-2 Racah algebra
11	Chandrasekhar	Bhamidipati	Topology of Black Hole Thermodynamics and Holography
12	Casey	Blacker	Reduction of L-infinity algebras of observables on multisymplectic manifolds
13	James	Blake	Noncommutative Fibrations
14	Filip	Blaschke	Mechanization of scalar field theory in (1+1)-dimensions
15	Maria del Carmen	Blazquez Villalobos	Generation of non-Hermitian Hamiltonian through non-linear equations
16	Alex	Buchel	Dynamical fixed points in holography
17	Cestmir	Burdik	Bethe Ansatz
18	Roberto	Campos Ortiz	Quantum Metropolis Solver
19	Junpeng	Cao	Exact solution of D(2)2 model with generic open boundary fields
20	Alexander	Cardona	Twisted symmetries of dynamical systems and Poisson algebras
21	Sultan	Catto	Quantum symmetries: From Clifford and Hurwitz Algebras, M-theory, Leech Lattices and speculations on Ultra-Hyperbolic groups
22	Dominik	Ciurla	Negative radiation pressure in Bose–Einstein condensates
23	Francesco	Correa	Integrable Systems and Spacetime Dynamics
24	Rolf	Dahm	On the Photon Vertex and Half-Integer Spin
25	Hadewijch	De Clercq	Graphical calculus for quantum vertex operators
26	Jan	Dereziński	Generalized integrals and contact interactions
27	Rukmini	Dey	Pullback coherent states and Berezin-type Quantization on compact even dimensional manifolds
28	Erik	Díaz-Bautista	Exact analytical solutions for 2D Dirac materials interacting with external fields
29	Vladimir	Dobrev	Canonical construction of invariant differential operators
30	Adam	Doliwa	Integrability properties of the Hermite-Pade approximation and interpolation problems
31	Ziemowit	Domański	Quantization in different coordinate systems
32	Adrian	Escobar Ruiz	Two-body Coulomb problem and $g^{\wedge}(2)$ algebra
33	Eduardo	Fernández-Saiz	Generalized stochastic SIS Hamiltonian systems: Exact solutions and superposition rules
34	Sebastian	Franchino-Viñas	Fermions in Doubly Special Relativity: a mixed geometric and algebraic approach
35	Juan Domingo	García-Muñoz	Dirac materials in parallel electromagnetic fields generated by supersymmetry
36	Jean-Pierre	Gazeau	Coherent states and beyond in Quantum Mechanics, Quantum Optics and Signal Analysis, A review
37	Jose	Gomes	Gauge-Miura Transformation for Negative Grade KdV Hierarchy
38	Giacomo	Gori	Trading algebra for geometry in critical systems
39	Katarzyna	Górska	What hide from us the bipartite Hermite coherent state?
40	Andrzej	Gózdź	Quantum time
41	Niels	Gresnigt	Three generations of fermions from the Cayley-Dickson sedenions
42	Hasan	Gümral	Symmetry and reduction for second order degenerate Lagrangians
43	Patrycja	Hęcka	The Boolean quadratic forms and tangent law
44	Francisco J.	Herranz	The (extended) noncommutative spaces of geodesics with κ -Poincaré, Galilei and Carroll symmetries
45	Ladislav	Hlavatý	NO TALK
46	Vincel	Hoang Ngoc Minh	On the solutions of universal differential equations by noncommutative Picard-Vessiot theory
47	Andrzej	Horzela	NO TALK
48	Jiří	Hrivnák	Electron in triangular graphene dots
49	Goce	Chadzitaskos	On the Asymmetric Harmonic Oscillator
50	Subhrooneel	Chakrabarti	On-Shell Action of Type IIB theory on AdS ₅ x S ⁵
51	Jen-Hsu	Chang	Parity-Time Symmetric Solitons in the Complex KP Equation
52	Shu	Chen	Accumulation of scale-free localized states induced by local non-Hermiticity
53	Roman	Cherniha	Symmetries and exact solutions of the Lotka-Volterra type systems
54	Yongmin	Cho	Abelian decomposition of QCD and two types of gluons
55	Luis	Inzunza	Dimensional reduction approach to superintegrable PT -symmetric systems

56	Artur	Ishkhanyan	Conditionally exactly solvable Dirac potential, including $x^{(1.3)}$ pseudoscalar interaction
57	Cristian	Ivanescu	Noncommutative aspects of Villadsen Algebras
58	Vit	Jakubsky	Coupled system of Dirac fermions with different Fermi velocities via composites of SUSY operators
59	Gerardo	Jimenez-Trejo	Generalized Coherent states with definite Orbital Angular Momentum
60	Petr	Jizba	Decoherence limit of quantum systems obeying generalized uncertainty principle: new paradigm for Tsallis thermostatics
61	Euihun	Joung	Covariant Wildline Actions and Dual Pair Correspondences
62	Olga	Karpova	Quasiparticle transport in Majorana wire networks: A quantum graphs based approach
63	Roland	Kirschner	Yang-Baxter operator constructions and applications
64	Arthemy	Kiselev	The Kontsevich star-product for affine Poisson brackets: new rational formula
65	Nowar	Koning	The embedding formalism for supersymmetric field theories in N-extended anti de Sitter superspace
66	Slaven	Kozic	On Yangian deformations of some S-commutative quantum vertex algebras
67	Derek	Krepiski	Symmetries of gerbes and prequantization
68	Kaushlendra	Kumar	Exact gauge fields from anti-de Sitter space
69	Marek	Kuś	Quantization of the Generalized Calogero-Moser Systems
70	Seiichi	Kuwata	Conformal Symmetry in the Bhabha Theory
71	Zhanna	Kuznetsova	New aspects of $Z_2^*Z_2$ -graded superspace and related physical systems
72	Namhee	Kwon	Relaxed category and vanishing of cohomology associated to quantum reduction
73	Hyun Chol	Lee	Deformation of smooth surfaces along a curve
74	Olaf	Lechtenfeld	The Nicolai-map approach to supersymmetry
75	Fedor	Levkovich-Maslyuk	Separation of variables and correlation functions from spin chains to CFT
76	Adrian	Lim	Positive mass gap of Yang-Mills fields
77	Salvio	Luna-Hernandez	Measuring Three-qubit Entanglement in the Smallest Eigenvalue Space
78	Victor	Malkin-Palamodov	Symplectic reduction and quantization of singular spaces
79	Marcin	Marciniak	On some generalization of Gleason theorem
80	Ian	Marquette	Algebraic superintegrability from commutants of subalgebras in universal enveloping algebras
81	Stepan	Maximov	Topological Lie bialgebras on $g[[x]]$
82	Alberto	Mayorgas	Localization measures of parity adapted $U(D)$ -spin coherent states applied to the phase space analysis of the D-level Lipkin-Meshkov-Glick model
83	Hocine	Meglouli	Design of a new control loop with hysys dynamics
84	Salvatore	Mignemi	Representations of the Yang model in phase space
85	Sushanta	Mitra	NO TALK
86	Kaoru	Miyamoto	Integrable vortices on compact Riemann surfaces of genus one and two
87	Alexander	Molev	Representations of the orthosymplectic Yangian
88	Haruka	Mori	Doubled Structures of Algebroids in Gauged Double Field Theory
89	Stepan	Moskaliuk	Categorical low-energy effective field theory of neutron beta decay (joint work with Hartmut Abele)
90	Mustafa	Mullahasanoglu	Lens partition functions and integrability properties
91	Yuta	Nasuda	SWKB Quantization Condition and Isochronism in Quantum Mechanics
92	Maryna	Nesterenko	Realizations and invariants of Lie algebras
93	José	Nicasio	Non-perturbative Landau-Khalatnikov-Fradkin gauge transformations for the propagator and vertex in QED
94	Juan Miguel	Nieto García	Jordan blocks and the Bethe ansatz: the eclectic spin chain as a limit
95	Petr	Novotný	Quantum Particle on G_2 Dual Weight Lattice in Even Weyl Alcove
96	Joao	Nunes	A geometric interpretation of the Peter-Weyl theorem
97	Dijana	Oreski	Exploring the behavior of statistical meta-features in meta-models` development
98	Daniel	Ortiz Campa	Coherent states generated by means of supersymmetric quantum mechanics for tilted anisotropic Dirac materials
99	Marcella	Palese	Second order Lagrangians for (2+1)-dimensional generalized Boussinesq equations and an extension of the Krupka-Betounes equivalent
100	Aleksandra	Pędrak	Quantum motion algebra
101	Yung-Ning	Peng	Finite W -superalgebras and super Yangians
102	Marcin	Piątek	Classical conformal blocks, Coulomb gas integrals and Richardson--Gaudin models
103	Ramadevi	Pichai	Quantum Clebsch-Gordan coefficients for $U_q(\mathfrak{sl}_3)(\mathfrak{sl}_3)$
104	Georgi	Poghosyan	Interbasis expansions for the eigenfunctions Laplace-Beltrami equation on two-dimensional hyperboloid and contractions.
105	Severin	Pošta	NO TALK
106	Anatolij	Prykarpatski	The parametric Kardar-Parisi-Zhang equation of spin glasses theory, its integrability and related thermodynamic stability
107	Eric	Ragoucy	Algebraic Bethe Ansatz for models based on orthogonal algebras
108	Regina Maria	Ricotta	Supersymmetric Quantum Mechanics Formalism in a Modeling for Protein Folding
109	Paolo	Rocchi	Two Misconceptions that Hinder Quantum Interpretation
110	Tomasz	Romańczukiewicz	Negative radiation pressure in soliton dynamics
111	Michel	Rouleux	Tunneling for a Semi-classical Schrödinger operator with symmetries
112	Roberto	Ruiz	The Bethe Ansatz as a Quantum Circuit
113	Zhanna	Sagidullayeva	Integrable local and nonlocal spin systems

114	Hayato	Saigo	Quantum Fields as Category Algebras
115	Anđelo	Samsarov	Toward black hole QNM spectrum from quantum spacetime deformation
116	Shin	Sasaki	Complex Structures, T-duality and Worldsheet Instantons in Born Sigma Models
117	Naoki	Sasakura	Tensor eigenvalue distributions through field theoretical methods
118	Ana	Savu	Processes with zero-range interaction and integrability
119	Nobuyuki	Sawado	Mock-integrability and stable solitary vortices
120	Adam	Sawicki	Algebraic and symplectic geometry in the description of quantum correlations
121	Michael	Semenov-Tian-Shansk	Quantum Toda Lattice: a Challenge for Representation Theory
122	Huma	Shabir	Breakdown of a Nonlinear Stochastic Nipah Virus Epidemic Models through Efficient Numerical Methods
123	Kazunari	Shima	Nonlinear supersymmetric general relativity theory
124	Kohei	Shimasaki	Machine Learning Study through Physics-Informed Neural Networks: Analysis of the Stable Vortices in Non-Linear Field Theories
125	Kenta	Shiozawa	T-duality relations between hyperkähler and bi-hypercomplex structures
126	Yakov	Shnir	Boson Stars and Electrostatic Hairy Black Holes
127	Walter	Smilga	Classical and quantum gravity from axioms of relativistic quantum mechanics
128	Christodoulos	Sophocleous	Lie symmetries and Financial Mathematics
129	Mauro	Spera	Around Landau levels, generalized theta functions and noncommutative tori
130	Martin	Stefanak	Survival probability of the quantum walk
131	Michal	Studzinski	Optimal universal quantum circuits for unitary complex conjugation
132	Rafał R.	Suszek	A twisted Soul in a plain Body – a Cartan-Borel tale of the superstring
133	Marzena	Szajewska	Geometrical structures of nested polyhedra
134	Shogo	Tanimura	Homological Commutation Relation of Electric and Magnetic Fluxes
135	Francesco	Toppan	N-bit parastatistics from Z_2^n -graded (super)algebras
136	Andrea	Trombettoni	Off-Diagonal Long-Range Order in Low-Dimensional Quantum Systems
137	Joris	Van der Jeugt	Partition functions of paraboson and parafermion systems
138	Vassil	Vassilev	Exact solutions to a family of nonlinear Schrödinger equations
139	Marko	Vojinovic	Higher category theory and n-groups as gauge symmetries for quantum gravity
140	Frederik	vom Ende	The Stinespring Form, Dynamical Semigroups, and Markovianity in Quantum Thermodynamics
141	Apostolos	Vourdas	Ultra-quantum coherent states
142	Jan	Vysoky	Graded Jet Geometry
143	Stefan	Wagner	The noncommutative geometry of frame bundles
144	Trevor	Welsh	Burge multipartitions and the AGT correspondence
145	L.C.Rohana	Wijewardhana	W.K.B. approximation to bosonic dark matter
146	Hartwig	Winterroth	NO TALK
147	Ekkehart	Winterroth	Variational cohomology and topological solitons in Yang-Mills-Chern-Simons theories
148	Gustavo	Xavier Antunes Petron	Conformal field theory in phase space
149	Asher	Yahalom	Fisher information approach to quantum mechanics
150	Shintaro	Yamamoto	Localized Fermions on CP^2 Net-Zero Charged Topological Solitons
151	Shota	Yanai	Q-ball, Q-shell capacitor
152	Charles	Young	Homotopy Manin Triples and Higher Current Algebras
153	Junze	Zhang	Algebraic superintegrable systems from 2D conformal algebras
154	J	Zheng-Johansson	A Quantum Electromagnetic Theory of the Intermediate Vector Bosons and the Higgs
155	Konstantin	Zloshchastiev	Instability and transition of pure states into mixed states: Quantum-statistical approach with non-Hermitian Hamiltonians
156	Miloslav	Znojil	Quasi-Hermitian quantum theory and zig-zag matrix algebras
157	Alexander	Zuevsky	Reduction cohomology of vertex algebras