# **Preliminary List of Participants**

#### 1. Asherova, Raisa

Institute of Physics and Power Engineering, Obninsk, Kaluga Region, Russia.

**Title**: Uq(u(n,1)) noncompact quantum algebra. Discrete series of unitary irredusible representations

#### 2. Atakishiyeva, Mesuma

UAEM, Cuernavaca, Morelos, Mexico.

#### 3. Atakishiyev, Natiq

Instituto de Matematicas, UNAM, Cuernavaca, Mexico.

**Title**: On a q-extension of Mehta's eigenvectors of the finite Fourier transform for q a root of unity.

# 4. Bagrov, Vladislav

Tomsk State University, Tomsk, Russia

Title: Particle localization control in a double-well potential via pseudo-supersymmetry

#### 5. Belavin, Alexander

Landau Institute for Theoretical Physics RAS, Chernogolovka, Russia.

Title: Minimal Liouvile Gravity.

#### 6. Borowiec, Andrzej

Institute of Theoretical Physics, Wroclaw, Poland.

Title: Kappa-Minkowski Spacetime and Dobly Special Relativity Theories.

# 7. Boyle, Laurence

University Chemical Laboratory, CT2 7NH Canterbury, UK.

### 8. Burdik, Cestmir

Czech Technical University, Prague, Czech Republic and BLTP, Joint Institute for Nuclear Research, Dubna, Russia.

#### 9. Cherednikov, Igor

Joint Institute for Nuclear Research, Dubna, Russia.

#### 10. Cirilo-Lombardo, Diego Julio

BLTP, Joint Institute for Nuclear Research, Dubna, Russia.

Title: to be announced later.

### 11. Chuluunbaatar, Ochbadrakh

Joint Institute for Nuclear Research, Dubna, Russia.

Title: On resonance mechanism of ion channeling

#### 12. Daskaloyannis, Constantin

Aristotel University of Thessaloniki, Thessaloniki, Greece.

# 13. Dahm, Rolf

University of Mainz, Mainz, Germany.

**Title**: On a microscopic representation of space-time

#### 14. Dobrev, Vladimir

INRNE, Bulgaria Academy of scineces, Sofia, Bulgaria.

**Title**: Intertwining operators

# 15. Dorodnitsyn, Vladimir

Keldysh Institute of Applied Mathematics, Moscow, Russia.

Title: Hamiltonian and Lagrangian formalism for difference equations.

### 16. Draayer, Jerry

Southeastern Universities Research Association, New York, Washington, USA.

# 17. Efimov, Dmitry

Komi Science Centre, Syktyvkar, Russia.

Title: On exact representations for the group motions of Galilean plane.

### 18. Georgieva, Ana

Institute of Nuclear Research and Nuclear Energy, Sofia, Bulgaria.

**Title**: The significance of the symplectic extension of dynamical symmetries in algebraic models of nuclear structure.

# 19. Gevorkyan, Ashot

Institute of Informatics and Automation Problems, Yerevan, Armenia.

Title: Maxwell Electrodynamics Subjected to Quantum Vacuum Fluctuations.

### 20. Gevorkyan, Migran

Peoples' Friendship University of Russia, Mocow, Russia

### 21. Grachev, Dmitry

Peoples' Friendship University of Russia, Mocow, Russia

**Title**: Generalized Commutation Relations in Quantum Theories with Non-Abelian Gauge Fields.

# 22. Goldin, Gerald

Rutgers University, New Brunswick, NJ, USA.

Title: Approach to Conformal Nonlinear Electrodynamics.

### 23. Gromov, Nikolai

Komi SC UrD RAS, Syktyvkar, Russia.

Title: Higgsless Electroweak Model and Contraction of Gauge Group

#### 24. Gusev, Alexander

Joint Institute for Nuclear Research, Dubna, Russia.

Title: On scattering problem for parabolic quantum well with hydrogen impurity

#### 25. Ibragimov, Nail

Blekinge Institute of Technology, Karlskrona, Sweden.

# 26. Ivanov, Evgeny

Joint Institute for Nuclear Research, Dubna, Russia.

Title: to be announced later.

### 27. Hovhannisyan, Karen

Yerevan Physics Institute, Alikhanian Brothers Street 2, Yerevan 375036, Armenia.

**Title**: Copying elements of density matrix.

# 28. Kalnins, Ernest

University of Waikato, Hamilton, Mew Zealand.

Title: Models of quadratic algebras suggested by sueprintagrable systemss.

### 29. Kalmykov, Mikhail

Joint Institute for Nuclear Research, Dubna, Russia and Hamburg University.

Title: About all order epsilon expansion of generalized hypergeometric functions.

### 30. Kapuscik, Edward

University of Lodz, Lodz, Poland.

Title: Special relativity without special assumptions

# 31. Karasev, Mikhail

Moscow Institute of Electronics and Mathematics, Moscow, Russia.

Title: Phase space structure for quantum integrable systems

### 32. Kassandrov, Vladimir

Russian Peoples' Friendship University, Moscow, Russia.

Title: Geometric phase and quantum interference

#### 33. Khvedelidze, Arsen

Joint Institute for Nuclear Research, Dubna, Russia and Tbilisi Mathematical Institute.

Title: Constraints on polynomial invariants for the entangled q-bit pairs.

#### 34. Kibler, Maurice

IPN de Lyon, Villeurbanne, France.

Title: to be announced later.

#### 35. Kolganova, Elena

BLTP, Joint Institute for Nuclear Research, Dubna, Russia.

Title: Three-atomic Helium system.

### 36. Kosmachev, Oleq

Joint Institute for Nuclear Research, Dubna, Russia.

E-mail: kos@theor.jinr.ru

**Title**: Notes on the nature of so-called intrinsic symmetries .

#### 37. Kotikov, Anatoly

Joint Institute for Nuclear Research, Dubna, Russia.

**Title**: On the highest transcendentalities in N=4 SUSY.

# 38. Kovalev, Vladimir Fedorovich IMM RAS, Moscow, Russia.

#### 39. Kurochkin, Yurii

B.I. Stepanov Institute of Physics, NAS of Belarus, Minsk, Belarus.

Title: In some itegrable systems in extended Lobachevsky space

#### 40. Lyuboshitz, Valery

Joint Institute for Nuclear Research, Dubna, Russia.

**Title**: Violation of incoherence inequalities of the Bell type for correlation tensor components and entangled states in two-particle quantum systems.

# 41. Makhaldiani, Nugzar

Joint Institute for Nuclear Research, Dubna, Russia.

**Title**: Regular Method of Construction of the Reversible Dynamical Systems - Quanputers.

### 42. Manko, Vladimir

Lebedev Physical Institute, Moscow, Russia.

**Title**: New experimental possibilities to check uncertainty relations usuing quantum to-mography.

# 43. Mondragon, Alfonso

Instituto de Fisica/Universidad Nacional Autonoma de Mexico, Mexico, Mexico.

Title: The S<sub>-</sub>3-Flavour Symmetry.

#### 44. Muradyan, Knarik

Yerevan State University, Yerevan, Armenia.

# 45. Nazarov, Anton

St. Petersburg state university, St. Petersburg, Russia.

Title: Computational tools for representation theory of affine Lie algebras

#### 46. Pan, Feng

Liaoning Normal University, Dalian, China.

Title: New simple exact solutions of the nuclear deformed mean-field plus pairing model.

### 47. Pervushin, Victor

Joint Institute for Nuclear Research, Dubna, Russia.

**Title**: Bogoliubov integrals of motion in General Relativity

#### 48. Pestov, Ivanhoe

Joint Institute for Nuclear Research, Dubna, Russia.

Title: Geometrical spin symmetry and spin

#### 49. Pogosyan, George

Yerevan State University, Yerevan, Armenia and Guadalajara University, Guadalajara Mexico.

**Title**: Coulomb problem on O(2,2) hyperboloids.

### 50. Pozdeeva, Ekaterina

Semenov Institute of Chemical Physics Russia Academy of Science, Moscow, Russia.

Title: Exactly solvable Dirac equations in cylindrical coordinates.

# 51. Pupyshev, Vasiliy

Joint Institute for Nuclear Research, Dubna, Russia.

**Title**: Generalization of Kato expansion

# 52. Rubakov, Yuri

Peoples' Friendship University of Russia, Moscow, Russia.

Title: Soliton configurations in generalized Mie electrodynamics.

# 53. Sevastianov, Leonid

Joint Institute for Nuclear Research, Dubna, Russia.

**Title**: Standart model of the quantum measurement theory in coordinate-momentum space representation

# 54. Sheftel, Mikhail

Bogazici University, Istanbul, Turkey.

Title: On a class of 2nd-order ODEs admitting partner symmetries .

# 55. Suzko, Alina

Joint Institute for Nuclear Research, Dubna, Russia.

Title: Intertwining operator method for generalized Schrodinger equations

# 56. Tchuvil'sky, Yury

SINP Moscow State University, Moscow, Russia.

Title: Symmetry of Nuclear Hamiltonian as an Origin of Clustering

#### 57. Tsiganov, Andrey

St. Petersburg State University, St. Petersburg, Russia.

Title: On superintegrable Richelot systems.

### 58. Tolstoy, Valeriy

Lomonosov Moscow State University, Moscow, Russia.

Title: Extremal projectors for Lie symmetries and their applications (review).

### 59. Unal, Nuri

Akdeniz University, Antalya, Turkey.

**Title**: Smorodinsky-Winternitz systems and coherent states.

# 60. Vernov, Sergey

Lomonosov Moscow State University, Moscow, Russia.

**Title**: Nonlocal Cosmological Models with Quadratic Potentials. Localization and Exact Solutions.

### 61. Vinitsky, Serque

Joint Institute for Nuclear Research, Dubna, Russia.

Title: On resonance mechanism of ion channeling

### 62. Vorobiev, Yurii

University of Sonora, Hermosillo, Mexico.

**Title**: Averaging of Hamiltonian Systems with Symmetries on Generalized Phase Spaces with Fast-Slow Variables.

# 63. Wendland, Katrin

Mathematics Institute, University of Augsburg, Augsburg, Germany.

**Title**: An explicit construction of superconformal field theories on certain Calabi-Yau 3-folds

# 64. Yakhno, Alexander

Universidad de Guadalajara, Guadalajara, Mexico.

Title: to be announced

# 65. Yamaleev, Robert

Joint Institute for Nuclear Research, Dubna, Russia and UNAM, Mexico

Title: Counterpart of rapidity and its group of transformation.

# 66. Zhilinskii, Boris

Universite du Littoral Cote d'Opale, Dunkerque, France.

Title: Generating functions for effective Hamiltonians Symmetry and topology aspects.