

KMPB-Ukraine Workshop

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome note

Tuesday 4 March 2025 09:30 (7 minutes)

Presenter: Prof. ZAGORODNY, ACADEMY PRESIDENT, A.

Session Classification: Opening

Contribution ID: 2

Type: **not specified**

Integrability in Quantum Field and String Theory

Tuesday 4 March 2025 10:00 (30 minutes)

Presenter: STAUDACHER, M.

Contribution ID: 3

Type: **not specified**

Painleve equations and conformal field theory

Tuesday 4 March 2025 10:45 (30 minutes)

Presenter: IORGOV, N.

Contribution ID: 4

Type: **not specified**

Analytic integration methods of Feynman integrals

Tuesday 4 March 2025 12:00 (30 minutes)

Presenter: BLUEMLEIN, J.

Contribution ID: 5

Type: **not specified**

Quantum and deformed algebras in modeling quantum systems: from hadronic to galactic scales

Tuesday 4 March 2025 13:45 (30 minutes)

Presenter: GAVRILIK, A.

Contribution ID: 6

Type: **not specified**

Singular perturbations and solvable models in one-dimensional quantum mechanics

Tuesday 4 March 2025 14:30 (30 minutes)

Presenter: ZOLOTARYUK, A.

Contribution ID: 7

Type: **not specified**

Integrable systems: algebraic structures and physical applications

Tuesday 4 March 2025 15:45 (30 minutes)

Presenter: SKRYPNYK, T.

Contribution ID: 8

Type: **not specified**

Effects due to gravity and curved space in statistical and quantum models

Tuesday 4 March 2025 16:30 (30 minutes)

Presenter: NAZARENKO, A.

Contribution ID: **10**

Type: **not specified**

Completeness and geometry of Bethe Algebra

Wednesday 5 March 2025 09:30 (30 minutes)

Presenter: VOLIN, D.

Contribution ID: **11**

Type: **not specified**

Arithmetic aspects of mirror symmetry

Wednesday 5 March 2025 10:15 (30 minutes)

Presenter: VLASENKO, M.

Contribution ID: 12

Type: **not specified**

Field theoretic methods to compute gravitational wave signals

Wednesday 5 March 2025 11:30 (30 minutes)

Presenter: PLEFKA, J.

Contribution ID: **13**

Type: **not specified**

Exceptional Holonomy

Wednesday 5 March 2025 12:15 (30 minutes)

Presenter: WALPUSKI, T.

Contribution ID: 14

Type: **not specified**

Algebraic and asymptotic aspects of random matrices

Thursday 6 March 2025 15:10 (30 minutes)

Presenter: BOROT, G.

Contribution ID: 15

Type: **not specified**

Geometry of moduli spaces

Wednesday 5 March 2025 15:30 (30 minutes)

Presenter: FARKAS, G.

Contribution ID: **16**

Type: **not specified**

General discussion

Wednesday 5 March 2025 16:15 (1h 15m)

Contribution ID: 17

Type: **not specified**

Entangled states representation by deformed oscillators and some effective models

Thursday 6 March 2025 10:45 (20 minutes)

Presenter: MISHCHENKO, Y.

Contribution ID: **18**

Type: **not specified**

Irregular conformal blocks and Painlevé equations

Thursday 6 March 2025 11:10 (20 minutes)

Presenter: ZHURAVL'OV, Y.

Contribution ID: **19**

Type: **not specified**

Research in Symplectic Topolgy

Thursday 6 March 2025 09:30 (30 minutes)

Presenter: WENDL, C.

Contribution ID: 20

Type: **not specified**

Simple layer potential expansion for solving and optimizing contact interaction by doubly connected domains

Thursday 6 March 2025 11:35 (20 minutes)

Presenter: SHYSHKANOVA, G.

Contribution ID: **21**

Type: **not specified**

Non-locality and long-range interactions

Thursday 6 March 2025 13:00 (20 minutes)

Presenter: KLABBERS, R.

Contribution ID: 22

Type: **not specified**

Compact holonomy G_2 manifolds need not be formal

Thursday 6 March 2025 13:25 (20 minutes)

Presenter: MARTIN-MERCHAN, L.

Contribution ID: 23

Type: **not specified**

Kerr Black Hole Scattering at the fifth post-Minkowskian Order

Thursday 6 March 2025 14:20 (20 minutes)

Presenter: JAKOBSEN, G.U.

Contribution ID: 24

Type: **not specified**

Mathematical structures in Feynman integrals of planar N=4 SYM theory

Thursday 6 March 2025 14:45 (20 minutes)

Presenter: SPIERING, A.

Contribution ID: 25

Type: **not specified**

Welcome note

Tuesday 4 March 2025 09:37 (7 minutes)

Presenter: Prof. PEREPELYTSYA, S.

Session Classification: Opening

Contribution ID: 26

Type: **not specified**

Welcome note

Tuesday 4 March 2025 09:44 (7 minutes)

Presenter: STAUDACHER, M.

Session Classification: Opening