

Session Program

11–15 Aug 2025



International Conference "Advances in Quantum Field Theory (AQFT'25)"

Morning session

BLTP Conference Hall
BLTP, JINR 6 Joliot-Curie, Dubna, Moscow Region

Monday 11 August

09:20

Morning session

Session | Location: BLTP Conference Hall, BLTP, JINR 6 Joliot-Curie, Dubna, Moscow Region

09:30–09:40 **Opening**

Speaker

Dmitry Kazakov

09:40–10:30 **Surprises in supersymmetric quantum field theory**

Speaker

Ioseph Buchbinder

10:30–11:00 **TBA**

Speaker

Andrei Barvinsky

11:00

11:30

Morning session

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11:30–12:00 **Non-renormalizable interactions beyond the leading order**

Speaker

Dmitry Kazakov

12:00–12:30 **Light fields in de Sitter space-time**

Speaker

Emil Akhmedov

12:30–13:00 **Factorization of infrared singularities and the Steinmann relation**

Speaker

Victor Fadin

13:00

Tuesday 12 August

09:30

Morning session

Session | Location: BLTP Conference Hall, BLTP, JINR 6 Joliot-Curie, Dubna, Moscow Region

09:30–10:00 **Gravity and QCD**

Speaker

Oleg Teryaev

10:00–10:30 **Relativistic fluid dynamics with multiple conserved charges and holography**

Speaker

Andrei Starinets

10:30–11:00 **TBA**

Speaker

Irina Aref'eva

11:00

11:30

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11:30–12:00 **Monodromy of multiloop integrals in d dimensions**

Speaker

Roman Lee

12:00–12:30 **Hatted zeta-values in Feynman diagrams**

Speaker

Anatoly Kotikov

12:30–13:00 **Small-pT charmonium production in the soft-gluon resummation approach**

Speaker

Vladimir Saleev

13:00

Wednesday 13 August

09:30

Morning session

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09:30–10:00 **Correlator of heavy-light quark currents in HQET**

Speaker

Andrey Grozin

10:00–10:30 **(Hyper)kahler reduction for pedestrians**

Speaker

Andrei Smilga

10:30–11:00

Extending the LCSR method to the electromagnetic pion form factor at low momenta using QCD renormalization-group summation

Speaker

Sergey Mikhailov

11:00

11:30

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11:30–12:00 **Conformal four-point ladder integrals in diverse dimensions and polylogarithms**

Speaker

Alexey Isaev

12:00–12:30

Critical non-Abelian vortex string in N=2 supersymmetric QCD and (mass-deformed) world sheet Liouville theory

Speaker

Alexei Yung

12:30–13:00 **2D holography beyond Jackiw-Teitelboim**

Speaker

Dmitri Vassilevich

13:00

Thursday 14 August

09:30

Morning session

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09:30–10:00 **The Dirac singleton as a relativistic field beyond the Standard Model**

Speaker

Mikhail Vasiliev

10:00–10:30 **On massive higher spins and gravity**

Speaker

Yurii Zinoviev

10:30–11:00 **Harmonic Analyticity as a Basis of N=2 Supersymmetric Higher Spins**

Speaker

Evgeny Ivanov

11:00

11:30

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11:30–12:00 **On BRST Lagrange formulation of higher spin fields**

Speaker

Sergey Fedoruk

12:00–12:30

IR-effective quantum gravity in a theory with a cosmological constant: a renormalization group study of the gravitational potential at large distances

Speaker

Mikhail Nalimov

12:30–13:00 **Strong interaction origin of hadron mass**

Speaker

Yi-Bo Yang

13:00

Friday 15 August

09:30

Morning session

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09:30–10:00

Once more on Riemann dzeta functions cancellations and manifestations in the multiloop calculations

Speaker

Andrei Kataev

10:00–10:30

Renormalization group running of couplings in various supersymmetric theories

Speaker

Konstantin Stepanyantz

10:30–11:00

Naturalness Criteria for Standard Model

Speaker

Victor Kim

11:00

11:30

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11:30–12:00

Three-loop anomalous dimensions of fixed-charge operators in the SM

Speaker

Alexander Bednyakov

12:00–12:30

On QED in the Schwarzschild spacetime

Speaker

Igor Volobuev

12:30–13:00

Mathematical paradoxes of the Dirac equation representations

Speaker

Vasiliy Neznamov

13:00