

Session Program

11–15 Aug 2025



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

Afternoon session

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

Monday 11 August

16:20

Afternoon session

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

16:20–16:40 Hypergeometric functions, IBP reduction and series expansions

Speaker

Andrei Onishchenko

16:40–17:00 Holographic RG flows in a 3D gauged supergravity

Speaker

Lev Astrakhantsev

17:00–17:20

Disparity in sound speeds: implications for unitarity and effective potential in quantum field theory

Speaker

Dr Yulia Ageeva

17:20–17:40

Jet Quenching in Anisotropic Holographic QCD: Analysis of Phase Transitions and Critical Regions

Speaker

Pavel Slepov

17:40–18:00 Continuous spin field in D-dimensional AdS space

Speaker

Mikhail Podoinitsyn

18:00

Tuesday 12 August

16:30

Afternoon session

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

16:30–16:50 **TBA**

Speaker

Denis Tolkachev

16:50–17:10 **Exact Landau method in QM**

Speaker

Bulat Farkhtdinov

17:10–17:30 **Physical state of axion and its phenomenology in the 3-3-1 with B-L symmetry model**

Speaker

Dr Vu Hoa Binh

17:30–17:50 **String tension in magnetic field for HQGP**

Speaker

Dr Kristina Rannu

17:50–18:10 **Two-loop chiral effective superpotential in some gauge N=1 supersymmetric models**

Speaker

Alfiia Mukhaeva

18:10–18:30 **Vacuum Viscosity: The Unruh Effect vs. String Theory Bound**

Speaker

Georgy Prokhorov

18:30

Wednesday 13 August

16:30

Afternoon session

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

16:30–16:50 Three-loop divergent contributions to effective action in $N=(1,1)$ $D=6$ SYM theory

Speaker

Boris Merzlikin

16:50–17:10 Conformal field theory in boxed black holes and information paradox

Speaker

Dmitry Ageev

17:10–17:30 Loop Corrections in Fermi Theory

Speaker

Arthur Borlakov

17:30–17:50 On quantum properties of the higher-derivative supersymmetric 6D gauge theory

Speaker

Alexandra Budekhina

17:50–18:10 Reducible multiplets of $N=8$, $d=1$ supersymmetry

Speaker

Dr Stepan Sidorov

18:10–18:30 Minimal string theory and topological recursion

Speaker

Aleksandr Artemev

18:30–18:50 TBA

Speaker

Nikita Zaigraev

19:10

Thursday 14 August

16:30

Afternoon session

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

16:30–16:50

Properties of Non-topological Solitons in Two-dimensional Model With Restoration of Conformal Symmetry

Speaker

Emin Nugaev

16:50–17:10

FeynGrav and Feynman rules for quantum gravity

Speaker

Dr Boris Latosh

17:10–17:30

U(1) gauged boson stars

Speaker

Yakov Shnir

17:30–17:50

Improved N=(1,0), d=6 non-Abelian tensor theory

Speaker

Nikolay Kozyrev

17:50–18:10

Off-diagonal expansions for some functions of minimal operators

Speaker

Alexey Kalugin

18:10

Friday 15 August

14:20

Afternoon session

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

14:20–14:40 Casimir effect for scalar field rotating on a disk

Speaker

Michael Bordag

14:40–15:00 Bounds on the renormalization group functions and dark matter

Speaker

Nikolai Krasnikov

15:00–15:20 The model of the interaction of the Majorana fermion with the electromagnetic field

Speaker

Yury Pismak

15:20–15:40 TBA

Speaker

Irina Pirozhenko

15:40–16:00 Quantum field theory description of neutrino oscillations in external fields

Speaker

Maxim Dvornikov

16:00

16:30

Afternoon session

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

16:30–16:50

On the behavior of correlation functions at large time-like separation in curved space-time

Speaker

Dmitrii Diakonov

16:50–17:10 Effective action for Einstein Universe and anomaly driven Inflation

Speaker

Nikita Kolganov

17:10–17:30 The role of vacuum polarization in the decay of scalars during the preheating

Speaker

Andrey Nikitenko

17:30–17:50 Neutrino spin oscillations in the vicinity of a black hole.

Speaker

Mridupawan Deka

17:50–18:10 Holographic QCD running coupling for light quarks in strong magnetic field

Speaker

Mr Alexander Nikolaev

18:30