

QUARKS-2026

Wednesday, 20 May 2026

Aspects of mathematical physics (12:20 - 14:00)

-Conveners: Mikhail Vasiliev

time	[id] title	presenter
12:20	[233] Symmetry breaking in the self-dual higher-spin theory	FALIAKHOV, Ilgam
12:40	[410] Structure of N=2 superfield higher-spin Abelian cubic interactions	ZAIGRAEV, Nikita
13:00	[273] Averaging over N and quantum chaos: view from random matrix theory	KHRAMTSOV, Mikhail
13:20	[433] Novel gauging in N=(2,2) superspace	BYKOV, Dmitry
13:40	[203] Applying geometric methods for decomposition of single-qubit gates	BORDAG, Ljudmila

Aspects of mathematical physics (15:40 - 17:00)

-Conveners: Alexei Yung

time	[id] title	presenter
15:40	[259] On deformations of the Yang--Mills theory: cutoff + background field	IVANOV, Aleksandr
16:00	[310] Presymplectic BV-AKSZ for supersymmetric theories	MAMEKIN, Alexander
16:20	[192] A brief introduction to the method of orthogonal amplitudes	BARANOV, Sergey
16:40	[250] Field-Theoretic Renormalization Group in Models of Self-Organized Criticality, Growth Processes and Surface Roughening	GULITSKIY, Nikolay

Aspects of mathematical physics (17:20 - 19:00)

-Conveners: Emil Akhmedov

time	[id] title	presenter
17:20	[194] Schwinger-Keldysh-DeWitt technique and covariant pseudodifferential calculus	BARVINSKY, Andrei
17:40	[213] Path Integrals in the Future Light Cone	CHISTIAKOV, Vsevolod
18:00	[241] Gravitational S-duality	GAL'TSOV, Dmitry
18:20	[283] Nonlocal gravitational effective action and its implications in cosmology	KOLGANOV, Nikita
18:40	[309] Lessons from quantum strings for quantum gravity	MAKEENKO, Yuri

Friday, 22 May 2026

Aspects of mathematical physics (15:40 - 17:00)

-Conveners: Konstantin Stepanyantz

time	[id] title	presenter
15:40	[177] TBA	AGEEV, Dmitry
16:00	[288] Goeritz method for computation of bipartite HOMFLY-PT polynomials	KORZUN, Dmitriy
16:20	[343] Progress of polyvector Yang-Baxter deformations in context of holography	PETROV, Timophey
16:40	[223] (β) -deformed \widetilde{W} algebras	DRACHOV, Yaroslav

Aspects of mathematical physics (17:20 - 19:00)

-Conveners: Dmitry Ageev

time	[id] title	presenter
17:20	[284] Landau method for potentials with soft singularities	KOLOSOV, Roman
17:40	[235] BRST Lagrangian formulation of partially massless bosonic fields	FEDORUK, Sergey
18:00	[185] The study of the quark-gluon plasma evolution using holographical thermodynamics with multiple quantum numbers	ANUFRIEV, Anton
18:20	[183] Form factors in the sine-Gordon model at the reflectionless points	ANIKEEV, Vitaly
18:40	[419] Islands in the exterior of Schwarzschild black hole with a boundary	ZUEVA, Anastasia