



# QUARKS-2024

## Thursday 23 May 2024

### QFT Calculus (16:00-16:50)

-Conveners: Mikhail Smolyakov

time	[id] title	presenter
16:00	[123] Callan-Symanzik method as a finite approach to QFT: non-renormalizable theory case	AGEEVA, Yulia
16:25	[165] Nanohertz gravitational waves from melting domain walls	RAMAZANOV, Sabir

# Friday 24 May 2024

## QFT Calculus (10:00-12:05)

-Conveners: **Andrei Kataev**

time	[id] title	presenter
10:00	[119] Semiclassical exponent for multiparticle production in $\lambda\phi^4$ theory	FARKHTDINOV, Bulat
10:25	[120] Renormalization-group and basis invariants in THDM	BEDNYAKOV, Alexander
10:50	[122] Bjorken sum rule with analytic coupling	KOTIKOV, Anatoly
11:15	[167] Large solitons flattened by small quantum corrections	KIM, Eduard
11:40	[154] Scalar oscillons: from weakly nonlinear models to a generic effective approach	MASLOV, Vasily

## QFT Calculus (12:35-14:05)

-Conveners: **Konstantin Chetyrkin**

time	[id] title	presenter
12:35	[116] Algebraic structure of the renormalization group and its consequences	STEPANYANTZ, Konstantin
13:05	[117] The $\beta$ -expansion for Adler D-function and others, and diagrams	MIKHAILOV, Sergey
13:35	[118] Parton distribution functions in QED	ARBUZOV, Andrej

## QFT Calculus (16:00-17:15)

-Conveners: **Alexander Bednyakov**

time	[id] title	presenter
16:00	[124] Renormalon-chain contributions to two-point correlators of nonlocal quark currents and light-meson distribution amplitudes	VOLCHANSKIY, Nikolay
16:25	[125] Magnetic contribution to inelastic proton bremsstrahlung	KRIUKOVA, Ekaterina
16:50	[126] Echoes of gravity and chiral anomaly in a relativistic vortical fluid	PROKHOROV, Georgy