

Advances in Quantum Field Theory

Monday, 11 October 2021

Evening session (14:00 - 16:30)

time	[id] title	presenter
14:00	[59] Advances in supersymmetric QFT and deautonomization of integrable systems	MARSHAKOV, Andrei
14:30	[40] Multi-loop modularity	BROADHURST, David
15:00	[62] Perturbatively renormalizable quantum gravity	MORRIS, Tim
15:30	[67] Hidden Sectors for Heterotic Theories and Gaugino Condensation	OVRUT, Burt
16:00	[56] Non-compact duality, super-Weyl invariance and effective actions	KUZENKO, Sergei

Evening session (16:40 - 18:20)

time	[id] title	presenter
16:40	[30] High precision tests of the Standard Model at future e+e- colliders	ARBUZOV, Andrej
17:00	[88] Neutrino oscillations in quantum field theory and the solar neutrino problem	VOLOBUEV, Igor
17:20	[91] Ultraperipheral proton-proton collisions at the LHC: survival factor	ZHEMCHUGOV, Evgenii
17:40	[48] GPDs in exclusive meson production.	GOLOSKOKOV, Sergey
18:00	[78] Superconformal indices and integrable systems	SPIRIDONOV, Vyacheslav

Tuesday, 12 October 2021

Evening session (14:00 - 16:00)

time	[id] title	presenter
14:00	[76] Evaluating five-loop propagators	SMIRNOV, Vladimir
14:30	[34] Factorization and Resummation at High Energy beyond the Leading Power	BENEKE, Martin
15:00	[68] Regge Limit of Gauge Theory Amplitudes beyond Leading Power Approximation	PENIN, Alexander
15:20	[42] Quantum field theory and bound muons and electrons	CZARNECKI, Andrzej
15:40	[58] Solution of differential equations for multiloop integrals with Libra package.	LEE, Roman

Evening session (16:30 - 18:30)

time	[id] title	presenter
16:30	[39] Amplitudes in fishnet CFTs in diverse dimensions.	BORK, Leonid
16:50	[44] Basso-Dixon diagrams.	DERKACHOV, Sergey
17:10	[66] Difference equations and Integrability	ONISHCHENKO, Andrei
17:30	[54] Sunrise integrals in terms of elliptic polylogarithms	KOTIKOV, Anatoly
17:50	[65] Quantum mechanics of radiofrequency-driven coherent beam oscillations in storage rings	NIKOLAEV, Nikolai
18:10	[45] Scattering iteratively with Volodya Smirnov	DIXON, Lance

Wednesday, 13 October 2021

Evening session (14:00 - 16:00)

time	[id] title	presenter
14:00	[52] Fixation of definite $\overline{\text{MS}}$ -scheme α_s^5 QCD contributions to Adler function and $R(s)$ in the β -expanded representation	KATAEV, Andrei
14:20	[43] Disentangling hot bosonic two-loop vacuum sum-integrals	DAVYDYCHEV, Andrei
14:40	[36] 3-Loop Heavy Flavor Corrections to Deep-Inelastic Scattering	BLUEMLEIN, Johannes
15:00	[83] Three-loop scattering amplitudes in QCD	TANCREDI, Lorenzo
15:20	[57] The Nicolai map for supersymmetric Yang-Mills theory and application to the supermembrane	LECHTENFELD, Olaf
15:40	[75] New classes of dynamical systems with benign ghosts	SMILGA, Andrei

Evening session (16:30 - 18:30)

time	[id] title	presenter
16:30	[74] Bringing Yang-Mills Theory Closer to Quasiclassics	SHIFMAN, Mikhail
16:50	[89] Flux compactification for the critical non-Abelian vortex and quark masses	YUNG, Alexei
17:10	[35] Advances in non-relativistic quantum gravity	BERGSHOEFF, Eric
17:30	[33] Path Integrals in Quadratic Gravity	BELOKUROV, Vladimir
17:50	[82] Exact β -functions in supersymmetric theories and the regularization by higher derivatives	STEPANYANTZ, Konstantin
18:10	[95] Gauge Field Theory Vacuum and Cosmological Inflation without Scalar Field	SAVVIDY, George

Thursday, 14 October 2021

Evening session (14:00 - 16:00)

time	[id] title	presenter
14:00	[60] Adler function, Bjorken Sum Rule, the Crewther-Broadhurst-Kataev relation with different fermion representations of the gauge group of order $\mathcal{O}(\alpha_s^4)$ and the β -expansion	MIKHAILOV, Sergey
14:20	[92] Two-loop Rational Terms	ZOLLER, Max
14:40	[80] Loops and expansions	STEINHAUSER, Matthias
15:00	[84] Functional reduction of Feynman integrals with masses	TARASOV, Oleg
15:20	[50] Correlators of heavy-light quark currents in HQET: OPE at 3 loops	GROZIN, Andrey CHETYRKIN, Konstantin
15:40	[69] From toy models to beta-functions in arbitrary renormalizable QFT	PIKELNER, Andrey

Evening session (16:30 - 18:10)

time	[id] title	presenter
16:30	[63] Predicting the sparticle mass scale in SUGRA models with degenerate vacua	NEVZOROV, Roman
16:50	[93] Quantization of 2+1 dimensional gravity and problem of central singularity in the BTZ black hole	ANDRIANOV, Aleksandr
17:10	[71] Strings and SUSY breaking	SAGNOTTI, Augusto
17:30	[47] Optical equations for null strings	FURSAEV, Dmitry
17:50	[72] Estimates for transverse single-spin asymmetries in the hard processes at SPD NICA	SALEEV, Vladimir