



# QUARKS-2020

## Monday 31 May 2021

### Integrability, Holography, Higher-Spin Gravity and Strings: Morning Session (09:25-13:30)

time	[id] title	presenter
09:45	[2] Opening I	VASILIEV, Mikhail
10:00	[3] Higher Spins Down Under	KUZENKO, Sergei
10:40	[4] N=1 Supersymmetric Higher Spins in Various Dimensions	TSULAIA, Mirian
11:20	[5] Anomalies and Supersymmetry	PAPADIMITRIOU, Ioannis
12:00	[6] Discussions	
12:30	Lunch	

### Integrability, Holography, Higher-Spin Gravity and Strings: Evening Session (13:30-19:40)

time	[id] title	presenter
13:30	[7] Boundary conditions, orderings and Fronsdal fields in Vasiliev's higher-spin gravity	IAZEOLLA, Carlo
14:10	[8] Coloured Poincaré Algebra and Corresponding Particles	MKRTCHYAN, Karapet
14:50	[9] Unfolding Conformal Geometry	JOUNG, Euihun
15:30	[10] Discussions	
16:00	Coffee Break	
16:30	[11] Opening II. Sakharov's science achievements in modern perspective	ALTSHULER, Boris VASILIEV, Mikhail
17:00	[12] Two-Dimensional Gauge Theory with Adjoint Matter	KLEBANOV, Igor
17:40	[13] Non-abelian U-dualities	MUSAEV, Edvard
18:20	[14] Non-abelian fermionic T-duality	BAKHMATOV, Ilya
19:00	[15] Discussions	

# Tuesday 01 June 2021

## Integrability, Holography, Higher-Spin Gravity and Strings: Morning Session (10:00-13:30)

time	[id] title	presenter
10:00	[16] On a gauge-invariant deformation of a classical gauge-invariant theory	BUCHBINDER, Joseph
10:40	[17] Interacting gauge fields from quantized spinning particles	GRIGORIEV, Maxim
11:20	[18] Quantum codes and conformal field theories	DYMARSKY, Anatoly
12:00	[19] Discussions	
12:30	Lunch	

## Integrability, Holography, Higher-Spin Gravity and Strings: Evening Session (13:30-19:30)

time	[id] title	presenter
13:30	[20] Non-renormalizable theories	KAZAKOV, Dmitry
14:10	[21] Higher-dimensional invariants in 6D SYM theory	IVANOV, Evgeny
14:50	[22] Spin(7) instantons in eight dimensions	SMILGA, Andrei
15:30	[23] Discussions	
16:00	Coffee Break	
17:00	[24] Coadjoint representation of BMS <sub>4</sub> on celestial Riemann surfaces	BARNICH, Glenn
17:40	[25] BMS higher-spin algebra and symmetries of d'Alembert equation	BEKAERT, Xavier
18:20	[26] Spinor-helicity formalism in AdS and higher spins	PONOMAREV, Dmitry
19:00	[27] Discussions	

# Wednesday 02 June 2021

## Integrability, Holography, Higher-Spin Gravity and Strings: Morning Session. (10:00-13:30)

time	[id] title	presenter
10:00	[28] On massive spin 2 in Fradkin-Vasiliev formalism	ZINOVIEV, Yuri
10:40	[29] Observables and Invariants in 4D Higher Spin Gravity	SHARAPOV, Alexey
11:20	[30] What is the force between two higher-spin black holes?	NEIMAN, Yasha
12:00	[31] Discussions	
12:30	Lunch	

## Integrability, Holography, Higher-Spin Gravity and Strings: Evening Session (13:30-19:30)

time	[id] title	presenter
13:30	[32] An exact AdS/CFT duality	GABERDIEL, Matthias
14:10	[33] Thermal Large N Holography	SUNDBORG, Bo
14:50	[34] Stress tensor sector of conformal correlators and holography	PARNACHEV, Andrei
15:30	[35] Discussions	
16:00	Coffee Break	
17:00	[36] Stability Issues with Broken Supersymmetry	SAGNOTTI, Augusto
17:40	[37] Quantization of massless particles and gauged Poisson sigma models	SUNDELL, Per
18:20	[38] On the Lagrangian formulation of the double copy	FRANCIA, Dario
19:00	[39] Discussions	

# Thursday 03 June 2021

## Integrability, Holography, Higher-Spin Gravity and Strings: Morning Session (10:00-13:30)

time	[id] title	presenter
10:00	[40] On multiple mirrors of Calabi-Yau manifolds	BELAVIN, Alexander
10:40	[41] $TT^-$ deformation of 2d Yang-Mills: collective field theory and phase transitions	GORSKY, Alexander
11:20	[42] Massless finite and infinite spin representations of Poincaré group in six dimensions	ISAEV, Alexey
12:00	[43] Discussions	
12:30	Lunch	

## Integrability, Holography, Higher-Spin Gravity and Strings: Evening Session (13:30-19:30)

time	[id] title	presenter
13:30	[44] Dually weighted graphs and 2d quantum gravity	KAZAKOV, Vladimir
14:10	[45] Integrable structures in CFT and affine Yangians	LITVINOV, Alexey
14:50	[46] $N=2$ and $N=4$ hyperbolic Calogero-Sutherland systems from gauging matrix models	FEDORUK, Sergey
15:30	[47] Discussions	
16:00	Coffee Break	
17:00	[48] Comments on black holes at the string temperature	MALDACENA, Juan
17:40	[49] E11 exceptional field theory	KLEINSCHMIDT, Axel
18:20	[50] On planar solutions in HS theory	DIDENKO, Vyacheslav
19:00	[51] Discussions	

# Friday 04 June 2021

## Integrability, Holography, Higher-Spin Gravity and Strings: Morning Session (10:00-13:30)

time	[id] title	presenter
10:00	[52] Holographic QCD for NICA	AREF'EVA, Irina
10:40	[53] Is the string breaking distance in QCD universal?	ANDREEV, Oleg
11:20	[54] Symmetries of energy flow operators	KORCHEMSKY, Gregory
12:00	[55] Discussions	
12:30	Lunch	

## Integrability, Holography, Higher-Spin Gravity and Strings: Evening Session (13:30-20:10)

time	[id] title	presenter
13:30	[56] New integrable coset sigma models	ARUTYUNOV, Gleb
14:10	[57] Integrability and RG flow in 2d sigma models	TSEYTLIN, Arkady
14:50	[58] Integrability in defect CFT	ZAREMBO, Konstantin
15:30	[59] Discussions	
16:00	Coffee Break.	
17:00	[60] ModMax and Others	SOROKIN, Dmitri
17:40	[61] Exotic duality and higher-spin	BOULANGER, Nicolas
18:20	[62] On polarized scattering equation for amplitudes of 10D SYM and 11D supergravity.	BANDOS, Igor
19:00	[64] Discussions	