

Semester "Holography: From High Energy Physics to Quantum Information" (spring-autumn 2020)

Online Workshop "Frontiers of holographic duality-2" Steklov
12 October - 30 October, 2020
Mathematical Institute, Moscow

1-st week

Monday, 12 October

22:00 (JST) Edgar Shaghoulian (UPenn)
16:00(Msc) -17:00(Msc)
15:00(CET)
9:00(NYT) *Looking for Islands*
6:00(PDT)

Tuesday, 13 October

22:00 (JST) Julian Sonner (Geneva U.)
16:00(Msc) -17:00(Msc)
15:00(CET) *Causal symmetry breaking:*
9:00(NYT) *late time physics of holographic quantum chaos*
6:00(PDT)

Wednesday, 14 October

00:00 (JST) Andrew Lucas (Colorado U.)
18:00(Msc) -19:00(Msc)
17:00(CET) *Holography-inspired advances in mathematical quantum*
11:00(NYT) *dynamics*
8:00(PDT)

Thursday, 15 October

22:00 (JST) Yi Yang (Taiwan, Natl. Chiao Tung U.)
16:00(Msc) -17:00(Msc)
15:00(CET) *QCD phase diagram by holography*
9:00(NYT)
6:00(PDT)

Friday, 16 October

22:00 (JST) Song He (Jilin U. and Potsdam, Max Planck Inst.)
16:00(Msc) -17:00(Msc)
15:00(CET) *TTbar deformation and quantum chaos*
9:00(NYT)
6:00(PDT)

2-nd week

Monday, 19 October

22:00 (JST) Mohsen Alishahiha(IPM)
16:00(Msc) -17:00(Msc)
15:00(CET) *On Free Energy for Deformed JT Gravity*
9:00(NYT)
6:00(PDT)

22:00 (JST) Niko Jokela (Helsinki U. and Helsinki Inst. of Phys.)
17:00(Msc) -18:00(Msc)
15:00(CET) *Holographic confinement confronts lattice Yang-Mills theory*
9:00(NYT)
6:00(PDT)

Tuesday, 20 October

22:00 (JST) Alfonso Ballon-Bayona (Rio de Janeiro Federal U.)
16:00(Msc) -17:00(Msc)
15:00(CET) *Magnetic catalysis and the chiral condensate*
9:00(NYT) *in holographic QCD*
6:00(PDT)

23:00 (JST) Oleg Andreev (ITP/Arnold Sommerfeld Center)
17:00(Msc) -18:00(Msc)
16:00(CET) *"On string breaking in QCD and gauge/string duality"*
10:00(NYT)
7:00(PDT)

Wednesday, 21 October

22:00 (JST) Umut Gürsoy (Utrecht U.)
16:00(Msc) -17:00(Msc) *Hydrodynamics and holography of spin flow*
15:00(CET)
09:00(NYT)
06:00(PDT)

23:00 (JST) Anastasia A. Golubtsova
17:00(Msc) -18:00(Msc) (Dubna, JINR and Dubna Intl. Univ.)
16:00(CET) *Stability and bifurcation analysis of holographic RG flows*
10:00(NYT) *with AdS and hyperscaling violating boundaries*
7:00(PDT)

Thursday, 22 October

22:00 (JST) Kazem Bitaghsir Fadafan (Shahrood U.)
16:00(Msc) -17:00(Msc)
15:00(CET) *Holographic quark matter with colour superconductivity*
09:00(NYT) *and a stiff equation of state for compact stars*
06:00(PDT)

Friday, 23 October

22:00 (JST) Nelson Braga (Rio de Janeiro Federal U.)
16:00(Msc) -17:00(Msc)
15:00(CET) *Holographic description of heavy vector mesons in a*
09:00(NYT) *plasma and the configuration entropy approach*
06:00(PDT)

3-nd week

Monday, 26 October

22:00 (JST)	Pietro Colangelo (INFN, Bari)
16:00(Msc) -17:00(Msc)	
14:00(CET)	<i>Chaos in a $Q\bar{Q}$ system at finite temperature and</i>
09:00(NYT)	<i>baryon density</i>
06:00(PDT)	
23:00 (JST)	Kristina Rannu (Moscow, Peoples Friendship U.)
17:00(Msc) -18:00(Msc)	
15:00(CET)	<i>Holographic description of external magnetic field</i>
10:00(NYT)	<i>influence on anisotropic QGP</i>
07:00(PDT)	
24:00 (JST)	Oleg Teryaev (JINR)
18:00(Msc) -19:00(Msc)	
16:00(CET)	<i>Counterparts of holography-based results in different</i>
11:00(NYT)	<i>approaches: Chiral vortical effect and viscosity</i>
08:00(PDT)	

Tuesday, 27 October

22:00 (JST)	David Dudal (Leuven U.)
16:00(Msc) -17:00(Msc)	
14:00(CET)	<i>En route to a self-consistent AdS/QCD model</i>
09:00(NYT)	<i>in a magnetic background</i>
06:00(PDT)	
23:00 (JST)	Pavel Slepov (MI RAS)
17:00(Msc) -18:00(Msc)	
15:00(CET)	<i>The dependence of string tension on temperature in</i>
10:00(NYT)	<i>holographic anisotropic model for light quarks</i>
07:00(PDT)	

Wednesday, 28 October

22:00 (JST)	Chanyong Park (GIST, Gwangju and CQUeST6Seoul)
16:00(Msc) -17:00(Msc)	

14:00(CET)
09:00(NYT)
06:00(PDT)

c-theorem of the entanglement entropy

23:00 (JST)
17:00(Msc) -18:00(Msc)
15:00(CET)
10:00(NYT)
07:00(PDT)

Giuseppe Policastro (Ecole Normale Supérieure)

Energy transmission and reflection of holographic defects

00:00 (JST)
18:00(Msc) -19:00(Msc)
16:00(CET)
11:00(NYT)
08:00(PDT)

Alexander Patrushev (BMSTU)

*Holographic entanglement entropy in anisotropic
background with confinement-deconfinement phase
transition*

Thursday, 29 October

22:00 (JST)
16:00(Msc) -17:00(Msc)
14:00(CET)
09:00(NYT)
06:00(PDT)

Saso Grozdanov (MIT)

*The complex structure of hydrodynamics: convergence,
quantum chaos and bounds*

23:00 (JST)
17:00(Msc) -18:00(Msc)
15:00(CET)
10:00(NYT)
07:00(PDT)

Mikhail Khramtsov (MI RAS)

Spectral form factor in double-scaled SYK

Friday, 30 October

22:00 (JST)
16:00(Msc) -17:00(Msc)
14:00(CET)
09:00(NYT)
06:00(PDT)

Joan Simon (Edinburgh U., Sch. Math.)

ISCOs in AdS/CFT

23:00 (JST)
17:00(Msc) -18:00(Msc)
15:00(CET)
10:00(NYT)

Dmitry Ageev (MI RAS)

TBA

07:00(PDT)