

**Synthesis of integrabilities in the context of duality  
between the string theory and gauge theories  
17.09 – 21.09.2012**

Conference Schedule

		Monday	Tuesday	Wednesday	Thursday	Friday
Steklov Mathematical Institute Room 430	11:00-12:00	<b>K. Ito</b>	<b>And. Morozov</b>	<b>T. Nakatsu</b>	<b>N. Iorgov</b>	<b>TBA</b>
	12:15-13:15	<b>A. Zotov</b>	<b>H. Fuji</b>	<b>H. Fuji</b>	<b>A. Gamayun</b>	<b>I. Danilenko</b>
	13:15-14:45	<b>Lunch</b>				
	14:45-15:45	<b>Yu. Bezvershenko</b>	<b>A. Anokhina</b>	<b>V. Slepukhin</b>	<b>B. Runov</b>	<b>H. Fuji</b>
	16:00-17:00	<b>O. Kruglinskaya</b>	<b>M. Kazaryan</b>	<b>Ant. Morozov</b>	<b>Y. Zenkevich</b>	<b>S. Natanzon</b>
Higher School of Economics Room 311	19:00-20:00	<b>G. Aminov</b>	<b>A. Sleptsov</b>	<b>A. Popolitov</b>	<b>H. Kanno</b>	<b>K. Sakai</b>
	20:00-21:00	<b>TBA</b>	<b>Ant. Morozov</b>	<b>C. Athorne</b>	<b>S. Arthamonov</b>	<b>S. Lando</b>

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**Monday 17.09.2012**

11:00 – 12:00: Katsushi Ito  
“Torsion and Deformed SUSY in Omega-background”

12:15 – 13:15: Andrey Zotov  
“Synthesis of integrabilities in the context of duality between the string theory and gauge theories”

14:45 – 15:45: Yulia Bezvershenko  
TBA

16:00 – 17:00: Olga Kruglinskaya  
TBA

19:00 – 20:00: Gleb Aminov  
TBA

20:00 – 21:00: TBA

**Tuesday 18.09.2012**

11:00 – 12:00: Andrey Morozov  
TBA

12:15 – 13:15: Hiroyuki Fuji  
“Volume Conjecture and Superpolynomials”

14:45 – 15:45: Aleksandra Anokhina  
“Colored HOMFLY polynomials from cabling of knot”

16:00 – 17:00: Maxim Kazaryan

“Topological recursion for the genus zero descendent Hurwitz potential”

19:00 – 20:00: Alexey Sleptsov

TBA

20:00 – 20:30: Anton Morozov

“Special colored superpolynomials and their representation-dependence”

### **Wednesday 19.09.2012**

11:00 – 12:00: Toshio Nakatsu

“Thermodynamic limit of random partitions and dispersionless Toda Hierarchy”

12:15 – 13:15: Hiroyuki Fuji

TBA

14:45 – 15:25: Valentin Slepukhin

“Infrared divergence and kinetic equation in the theory of scalar field with self-interaction  $\lambda\phi^4$  in de Sitter space.”

15:30 – 16:10: Anton Morozov

“Screening mechanism Vainshtein and scalar field Galileon”

16:20 – 17:00: Alexey Sleptsov

TBA

19:00 – 20:00: Aleksandr Popolitov

“On undulation invariants of plane curves”

20:00 – 21:00: Chris Athorne

“Building Abelian Functions with Generalised Baker-Hirota Operators”

### **Thursday 20.09.2012**

11:00 – 12:00: Nikolai Iorgov

TBA

12:15 – 13:15: Aleksandr Gamayun

TBA

14:45 – 15:45: Boris Runov

“Spectral duality and Poisson map between Gaugen model and XXX spin chain”

16:00 – 17:00: Yegor Zenkevich

“Bispectral duality in XXZ spin chains and 5D  $SU(N)^{(M-1)}/SU(M)^{(N-1)}$  duality”

19:00 – 20:00: Hiroaki Kanno

“Irregular puncture and isolated N=2 superconformal field theories”

20:00 – 21:00: Semen Arthamonov

TBA

### **Friday 21.09.2012**

11:00 – 12:00: TBA

12:15 – 13:15: Ivan Danilenko

TBA

14:45 – 15:45: Hiroyuki Fuji

TBA

16:00 – 17:00: Sergey Natanzon

TBA

19:00 – 20:00: Kazuhiro Sakai

“Counting BPS states in E-string theory”

20:00 – 21:00: Sergei Lando

TBA