

Synthesis of integrabilities arising from gauge-string duality

JSPS/RFBR collaboration

Place

Morning Session: Room 2068 of Graduate School of Science / Faculty of Science,
Osaka City University Sugimoto Campus

Afternoon Session: Large Seminar Room, Academic Extension Center,
Osaka City University Umeda Satellite
(on 6th floor of Osaka eki mae No.2 building)

Schedule & Talk List

3/28, Wed.

10:15-11:00 G. Aminov
Non-autonomous Toda chains and the elliptic Schlesinger system

11:15-12:00 S. Artamonov
2x2 matrix representations for Painleve equations I-V

lunch time

14:00-15:30 A. Mironov
Characters and Plucker relations: from Hurwitz to HOMFLY

16:00-17:30 H. Kanno
Instanton partition function and generalized Whittaker states

18:00-19:30 Y. Hatsuda
Gluon scattering amplitudes via AdS/CFT and 2d integrable systems

dinner

3/30, Fri.

- 10:15-11:00 P. Burda
Solution of the Dyson-Schwinger equation on de Sitter background
in IR limit
- 11:15-12:00 P. Dunin-Barkowski
NSR superstring measures in genus 5 and multi-point amplitudes
- lunch time
- 14:00-15:30 G. Arutyunov
Towards q -deformations of the Mirror TBA
- 16:00-17:30 K. Yoshida
Hybrid integrable structure of deformed sigma models
- 18:00-19:30 R. Suzuki
The application of Klumper-Batchelor-Pearce-Destri-de Vega equation,
or A1 NLIE, to AdS/CFT
- dinner

3/31, Sat.

- 10:00-10:45 A. Sleptsov
New results for superpolynomial invariant
- 11:00-11:45 Y. Zenkevich
On equivalence between Gaudin and spin chain systems
- lunch time
- 13:30-15:00 F. Yagi
M5-branes, toric diagrams and gauge theory duality
- 15:30-17:00 A. Marshakov
Geometry of gauge theories and integrable systems