

ESI Workshop on “Higher Spin Gravity”

April 10 - 20, 2012

Schedule for week 2: April 16 - 20

Organized by: Matthias Gaberdiel, Daniel Grumiller, Per Kraus, and Radoslav Rashkov

- **Monday, April 16**

09:15 – 09:30: Announcements for the second week

09:30 – 10:30: Eric Bergshoeff

Massive Higher-Derivative Gravity

10:30 – 11:00: coffee break

11:00 – 12:00: Andrea Campoleoni

Towards a metric-like formulation of three-dimensional higher-spin gauge theories

12:00 – 14:30: lunch break

14:30 – 15:30: Dimitri Polyakov

String Theory and Frame-Like Formalism for Higher Spins

17:00 – 19:00: Marc Henneaux, Colloquium

Three-dimensional gravity: a superb theoretical laboratory

Note that the colloquium will take place at the Vienna University of Technology, Wiedner Hauptstrasse 8-10, FH HS 5 (2nd floor, green tower)

- **Tuesday, April 17**

09:30 – 10:30: Antal Jevicki

On the S-matrices in Vector Model/Higher Spin Correspondence

10:30 – 11:00: coffee break

11:00 – 12:00: Michael Gary

Beyond AdS holography in 3d higher spin gravity

12:15 – 13:30: Alejandra Castro, Lunch Talk

This talk will take place at the University of Vienna, Boltzmannngasse 5, 5th floor

14:30 – 15:30: Mikhail Vasiliev

Holography, Unfolding and Higher-Spin Theory

15:30 – 16:00: break

16:00 – 17:00: Hamid Afshar

Conformal Chern-Simons gravity

- **Wednesday, April 18**

09:30 – 10:30: Rajesh Gopakumar

On level-rank duality and the symmetries of minimal model holography

10:30 – 11:00: coffee break

11:00 – 12:00: Constantin Candu

Supersymmetric holography on AdS₃

12:00 – 14:30: lunch break

14:30 – 15:30: Rakibur Rahman

Higher-Spin Fermionic Gauge Fields and their Electromagnetic Coupling

15:30 – 16:00: break

16:00 – 17:00: Kewang Jin

Higher Spin Black Holes from CFT

- **Thursday, April 19**

09:30 – 10:30: Alejandra Castro

Finite N phenomena in AdS₃ higher spin theories

10:30 – 11:00: coffee break

11:00 – 12:00: Xavier Bekaert

Towards a bulk dual of the unitary Fermi gas

12:00 – 14:30: lunch break

14:30 – 15:30: Slava Didenko

Black holes: from general relativity to higher spins

15:30 – 16:00: break

16:00 – 17:00: Carlo Iazeolla

Families of exact solutions of 4D higher-spin gravity with spherical, cylindrical and axial symmetry

- **Friday, April 20**

09:30 – 10:30: Marc Henneaux

Higher Spin AdS Supergravity in 2+1 Dimensions and Super W(infinity) algebras

Closing remarks, Farewell

All lectures take place in the ESI Boltzmann Lecture Hall (except for Marc Henneaux - Colloquium and Alejandra Castro - Lunch Talk)