

Programme on
“Higher Spins and Holography”

March 11 – April 5, 2019

organized by

Andrea Campoleoni (U Mons), Stefan Fredenhagen (U Vienna), Matthias R. Gaberdiel (ETH Zurich), Daniel Grumiller (TU Vienna), Mikhail A. Vasiliev (Lebedev Inst. Moscow)

Workshop Week

March 18 – March 22, 2019

• **Monday, March 18, 2019**

09:00 – 09:30 **Opening & Registration**

09:30 – 10:30 **Bo Sundborg**

Field theory compositeness, holographic gravity and higher spins

10:30 – 11:00 *Coffee / Tea break*

11:00 – 12:00 **Euihun Joung**

Conformal Higher Spin Theory: Linear spectrum=Symmetry

12:00 – 14:00 *Lunch break*

14:00 – 15:00 **Dario Benedetti**

Bilocal effective action for tensor models

15:00 – 15:30 *Coffee / Tea break*

15:30 – 16:30 **Dmitry Ponomarev**

On quantum correction in higher spin gravities

• **Tuesday, March 19, 2019**

09:30 – 10:30 **Alejandra Castro**

3D gravity, Chern-Simons theory, and Wilson lines

10:30 – 11:00 *Coffee / Tea break*

11:00 – 12:00 **Yurii Zinoviev**

Massive higher spin supermultiplets in AdS₄

12:00 – 14:00 *Lunch break*

14:00 – 15:00 **Stéphane Detournay**

Anti anti-de Sitter black holes

15:00 – 15:30 *Coffee / Tea break*

15:30 – 16:30 **Predrag Dominis Prester**

Higher spins with the Moyal product?

• **Wednesday, March 20, 2019**

09:30 – 10:30 **Dmitri Sorokin**

Can Chern-Simons or Rarita-Schwinger be a Volkov-Akulov Goldstone?

10:30 – 11:00 *Coffee / Tea break*

11:00 – 12:00 **Yasuaki Hikida/Takahiro Uetoko**

Rectangular W -algebras, extended higher spin gravity and dual coset CFTs

12:00 – 13:30 *Lunch break*

13:30 – 14:00 *Optional: Guided tour at the priest seminary – ring the bells!*

14:00 – 15:00 **Rakibur Rahman**

Massive and Massless Higher-Spin Fields in Nontrivial Backgrounds

15:00 – 15:30 *Coffee / Tea break*

15:30 – 16:30 **Lorenz Eberhardt**

Tensionless strings on AdS_3

18:15 *Conference Dinner*

• **Thursday, March 21, 2019**

09:30 – 10:30 **Mikhail Vasiliev**

Higher-Spin Theories and Spin Locality

10:30 – 11:00 *Coffee / Tea break*

11:00 – 12:00 **Tomáš Procházka**

W -symmetry and instanton R -matrix

12:00 – 14:00 *Lunch break*

14:00 – 15:00 **Marc Henneaux**

Asymptotic symmetries of electromagnetism and gravity: a Hamiltonian study

15:00 – 15:30 *Coffee / Tea break*

15:30 – 16:30 **Nicolas Delporte**

TBA

• **Friday, March 22, 2019**

09:30 – 10:30 **Massimo Taronna**

Exchange Amplitudes and the Bootstrap

10:30 – 11:00 *Coffee / Tea break*

11:00 – 12:00 **Jung-gi Yoon**

TBA

12:00 – 14:00 *Lunch break*

14:00 – 15:00 **David de Filippi**

Observables and boundary conditions in Vasiliev's higher spin gravity

15:00 – 15:30 *Coffee / Tea break*

15:30 – 16:30 **Thomas Basile (TBC)**

TBA

All talks take place at ESI, Boltzmann Lecture Hall!