

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 AdS<sub>4</sub>*

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**

*Tensor Models: Looking for RG fixed points in  $d > 1$*

• **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**

*Chaos in Three-dimensional Higher Spin Gravity*

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*

**All talks take place at ESI, Boltzmann Lecture Hall!**