THE 32ND INTERNATIONAL COLLOQUIUM ON GROUP THEORETICAL METHODS IN PHYSICS

WIGNER MEDAL AND WEYL PRIZE CEREMONY

THURSDAY JULY 12TH, 18H30

BETHLEHEM CHAPEL

Betlémské nám. 255/4, 110 00 Praha 1

PROGRAMME:

- **Opening**
- **Hermann Weyl Prize award**
- **Wigner Medal award**
- **Musical interlude (CTU Academic Orchestra)**

The programme is expected to take 65 minutes. After the ceremony, a glass of wine will be served in the neighbouring St. Wencelas Hall.

The Bethlehem Chapel will open to participants at 17h45. Please be seated at 18h25.

The Hermann Weyl Prize 2018 will be awarded to

Simon Caron-Huot

in recognition of seminal contributions in the areas of scattering amplitudes in gauge theories and conformal bootstrap, examples are: the generalization to general helicities of the amplitude/Wilson loop duality and the analog of the Froissart-Gribov formula in conformal field theory.

Simon Caron-Huot was born in Saint-Eustache, Québec in 1984. He received his PhD in physics from McGill University in 2009, working with Prof. Guy D. Moore. After postdoctoral position at Institute for Advanced Study, Princeton and assistant professorship at Niels Bohr Institute, Copenhagen he returned to McGill University where he is presently an assistant professor. He has worked on thermal field theory and applications to heavy-ion collisions and now focuses on perturbative techniques in quantum field theory and scattering amplitudes.

and to

David Simmons-Duffin*

for breakthroughs in the analytical and numerical development of the conformal bootstrap method and its applications, in particular to the understanding of the critical point of the 3D Ising model.

David Simmons-Duffin was born in Cleveland, Ohio in 1984. He received his PhD in theoretical physics from Harvard University in 2012 under the auspices of Prof. Lisa Randall. He continued his academic career as a postdoctoral member of the Institute for Advanced Study, Princeton before becoming an assistant professor at the California Institute of Technology in 2017. He focuses on conformal field theory (CFT), in particular on developing the bootstrap approach to CFT and numerical bootstrap methods.

* who, unfortunately, will not be present at the ceremony

The Wigner Medal 2018 will be awarded to **Pavel Winternitz**

for seminal work on symmetries of differential and difference equations and for inspiring a young generation of physicists

Professor Pavel Winternitz is an internationally renowned mathematical physicist. Most of his research focuses on Lie's groups and their applications. He belongs to the pioneers in the theory of continuous symmetries of difference equations and in the exactly solvable systems.

In the field of superintegrable systems professor Winternitz belongs to the leading figures. Some of the superintegrable potentials he introduced are referred to in the literature as 'Smorodinsky-Winternitz type'. His work inspired many theoretical physicists worldwide and found practical applications in nuclear physics, astrophysics and biophysics. He is one of the most cited physicists of Czech origin. Professor Winternitz educated many graduate students, eleven of them became professors in USA, Russia, Canada and other countries. Professor Winternitz is still active in his research, his papers are winning numerous distinctions like 'Best Paper Prize', 'Highlights of the Year' etc.

Pavel Winternitz was born in 1936 in Prague. He graduated from Leningrad State University in theoretical physics in 1960 and obtained his PhD at the Joint Institute for Nuclear Research in Dubna in 1966. He worked in many world-leading centers of physical research - including the International Center for Theoretical Physics in Trieste and the Rutherford High Energy Physic Laboratory in Great Britain.

After the Soviet occupation of Czechoslovakia in 1968 he emmigrated, first to the UK, next to Pittsburgh in the USA. Eventually, he acquired a permanent research and teaching position at the Centre de recherches mathématiques and the Université de Montréal, where he is active since 1972 till the present day.

After the Velvet Revolution in 1989, Prof. Winternitz started again to intensively collaborate with researchers in Czechoslovakia, especially with his colleagues from the Faculty of Nuclear Sciences and Physical Engineering of the Czech Technical University in Prague.

Prof. Winternitz already won numerous awards and distinctions - among others the CAP-CRM Prize in Theoretical and Mathematical Physics and first prize in Theoretical Physics of the International Institute for Nuclear Research in Dubna. He is a foreign member of Mexican Academy of Science and doctor honoris causa at the Czech Technical University in Prague.

Routes to the Bethlehem Chapel from the conference venue in Břehová 7

1. Accompanied walk – departure from the main entrance at 17h40.
2. Individual walk – 1km, approx. 15 minutes, follow the dashed route on the map
3. Public transport minimizing walking – first tram no. 17 from Právnická fakulta to Staroměstská (1 stop), next tram no. 2 or 18 from Staroměstská to Národní (3 stops), from the tram stop walk back to the crossing of the streets Národní and Spálená and follow the street Na Perštýně (see bottom of the map).