

ESI MEDAL 2024 · AWARD CEREMONY



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DECEMBER 6, 2024
AT THE ESI, BOLTZMANN LECTURE HALL



ESI Medal 2024

Award Ceremony on December 6, 2024
at the ESI, Boltzmann Lecture Hall

The Medal of the Erwin Schrödinger International Institute for Mathematics and Physics, or ESI Medal, awarded in 2020 for the first time, has been created to recognize outstanding achievements in any area of mathematics or physics, including contributions at the interface of the two fields.

Prof. Piotr T. Chruściel, University of Vienna, is honored for his original and influential contributions to many areas in the field of Mathematical Relativity, including the mathematical description of black holes, the initial value problem for the Einstein equations, and aspects of current physical interest, like the influence of weak gravitational fields on the propagation of photonic states in dielectric wave-guides. He and his co-authors obtained deep new insights by combining sophisticated methods from differential geometry, topology and partial differential equations. Outstanding examples are Chruściel's work on the concept of mass, on the structure of initial data sets, as well as his seminal contributions to Lorentzian geometry of non-differentiable metrics.

14:00 Welcome

Prof. Christoph Dellago
ESI Director, University of Vienna

14:15 Initial data on big bang singularities

Prof. Hans Ringström
KTH Stockholm

15:00 A new phase transition in cosmological fluid dynamics

Prof. Zoe Wyatt
University of Cambridge

15:45 Break

16:15 Laudatio

Prof. Helmut Friedrich
Albert-Einstein-Institute Potsdam

16:45 Award—ESI Medal

17:00 Award Lecture

Prof. Piotr T. Chruściel
University of Vienna

17:45 Closing, followed by a reception

Prof. Christoph Dellago
ESI Director, University of Vienna