



Press release – 31 August 2022

## Thierry Bodineau, a CNRS research director, joins IHES

Thierry Bodineau, currently CNRS research director at École Polytechnique, joins IHES as a CNRS research director starting on September 1, 2022. He thus becomes a member of Laboratoire Alexander Grothendieck, a CNRS/IHES joint research unit.

After graduating from École normale supérieure (ENS) in Paris, Thierry Bodineau completed his PhD in 1997 at Université Paris Diderot (now Université Paris-Cité), under the supervision of Francis Comets, before becoming a CNRS researcher at the same university. In 2007, he joined ENS as a CNRS research director. Between 2008 and 2009, he spent a year in the United States, at Rutgers, New Jersey, and then at the Institute for Advanced Study.

It is upon his return from the United States that he began a very fruitful collaboration with Laure Saint-Raymond, now a permanent professor at IHES, who was then head of the mathematical analysis research team at ENS, and with whom he continues to work today.

In 2014, Thierry Bodineau joined the Center for Applied Mathematics (CMAP) at École Polytechnique. He served as deputy director of École doctorale Jacques Hadamard before becoming the director of CMAP in 2020, following Anne de Bouard.

Thierry Bodineau is a mathematician specializing in probability theory, and his work focuses on problems related to statistical mechanics. He was first interested in the study of the Ising model, the coexistence of phases and the interface problems that characterize these systems. He also worked on understanding non-equilibrium phenomena through stochastic modeling. More recently, he has become interested in renormalization aspects related to the study of the dynamics of particle systems and is working on the kinetic theory of gases, also in collaboration with Laure Saint-Raymond.

His relationship with the Institute dates back to the time when, as a student at ENS, he heard about it as a mythical place. But it is especially in the 2000's that he started to regularly come to the Institute motivated by his collaboration with Joel Lebowitz, an American mathematical physicist known for his important contributions in the field of statistical physics, who was then already a frequent visitor to IHES. Thierry Bodineau then continued to attend courses and seminars organized at the Institute.

*"I am delighted that Thierry Bodineau is joining IHES. The mathematical community interested in questions at the interface with statistical physics at IHES has grown significantly during these last few years, under the impulse of Hugo Duminil-Copin and Laure Saint-Raymond, and Thierry's arrival will make an important addition",* commented Emmanuel Ullmo, director of IHES.

*"IHES is a great place, and the ideal environment to do mathematical research, both because of its calm and because of the opportunities for discussion that it provides,"* explains Thierry Bodineau. *"Being at IHES will allow me to focus on my research while at the same time interacting with a dynamic community of colleagues working on topics closely related to mine."*

### Institut des Hautes Études Scientifiques (IHES)

*A founding member of Université Paris-Saclay, and a foundation in the public interest, IHES is a private research center in mathematics, theoretical physics and all related disciplines. A private foundation recognized in the public interest, the Institute has a restricted number of permanent professors, mathematicians and theoretical physicists. Each year, it welcomes about 200 visitors from all over the world for research visits. Freedom of research, independence and interdisciplinarity are the values of the IHES, which is also committed to promoting the diversity of talent in fundamental research.*

### Université Paris-Saclay

*Université Paris-Saclay brings together ten constituent faculties and institutes, four Grandes Écoles, the Institut des Hautes Etudes Scientifiques, two associate institutions and shared laboratories with national research organisations.*

*With 48,000 students, 8,100 lecturers and 8,500 administrative and technical staff members, Université Paris-Saclay offers a comprehensive and varied range of undergraduate to doctorate level programmes and engineering degrees, renowned for their quality thanks to the reputation and commitment of the University's academic staff. Located in the south of Paris on vast sites that stretch across Paris, Orsay, Évry and Versailles, Université Paris-Saclay benefits from a strategic geographical and socio-economic position that is strengthened by its international visibility. A leading University, Université Paris-Saclay is recognised for its excellent Mathematics and Physics programmes but also for Biological and Medical Sciences, Agriculture, Engineering, and its extensive Humanities and Social Sciences courses. Close to Paris, Université Paris-Saclay is nested in a protected natural area, at the very heart of a dynamic economic hub.*