Thibaut Arnoulx de Pirey | CV

✉ thibaut.arnoulxdepirey@ipht.fr 🔗 https://thibaut-arnoulxdepirey.github.io/

Academic positions

Institut de Physique Théorique, CEA, Paris, France.   Dec. 2024 – present
Permanent researcher position.

Indian Institute of Science, Bangalore, India.   Apr. 2024 – Dec. 2024
CV Raman Postdoctoral fellow. Supervision : V. Guttal & S. Ramaswamy.

Technion Physics Department, Haifa, Israel.   Nov. 2021 – Dec. 2023
Postdoctoral position. Supervision : Y. Kafri & G. Bunin.

Higher education

PhD in Physics   2018 – 2021
Infinite dimensional active matter and stochastic calculus for path integration.
Under the supervision of Frédéric van Wijland.
Laboratoire Matière et Systèmes Complexes, Université Paris Cité. Paris, France.

Master degree in theoretical physics, awarded with highest honors.   2015 – 2017
International Center for Fundamental Physics (ICFP)
Ecole Normale Supérieure de Paris. Paris, France.

- 6 months research internship in the Xtreme gravity group of the the Montana State University. Bozeman, Montana, USA. Supervision : Nicolás Yunes.
  Massive scalar-tensor gravity: cosmological evolution and Solar System consistency.
- 3 months research internship in the Quantitative Life Sciences section of the Abdus Salam International Center for Theoretical Physics. Trieste, Italy. Supervision : Matteo Marsili.
  Statistical mechanics of coupled complex economies in the Arrow-Debreu model of general equilibrium.

Bachelor degree in physics, awarded with highest honors.   2014 – 2015
Ecole Normale Supérieure de Paris. Paris, France.

Grants & Fellowships

CV Raman Postdoctoral Fellowship, Indian Institute of Science.   2024 – 2025
PhD Grant, CFM Fundation for research.   2018 – 2021

Research interests

Nonequilibrium statistical mechanics – Theoretical ecology – Active matter – Disordered systems – Random matrices – Stochastic processes.

Teaching experience

Teaching assistant (160 hours) in the "Frontières du Vivant" bachelor program of the Université Paris Cité. Topics: Newtonian mechanics, thermodynamics, geometrical optics and electronics.

2018 – 2021