

# Étienne Ligout

## Curriculum vitae

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21/09/1999 - 24 years old



## Academic background

- 2023–2024 **First year of PhD in Philosophy of Physics**, *Panthéon-Sorbonne Paris 1*, under the supervision of Max Kistler and Vincent Ardourel, with the (tentative) title ‘Equivalence Principle and Foundations of General Relativity’.
- 2022–2023 **Second year of LOPHISC master (Logic and Philosophy of Science)**, *Panthéon-Sorbonne Paris 1*, with highest honors (overall grade 94.5%).
- 2021–2022 **Year of research internships (third year of school diploma)**, *École normale supérieure de Lyon*.
- 2020–2021 **Second year of master’s degree in physics**, *École normale supérieure de Lyon*, with highest honors (overall grade 89%).
- 2019–2020 **First year of master’s degree in physics**, *École normale supérieure de Lyon*, with highest honors (overall grade 87.5%).
- 2016–2019 **Joint bachelor’s degree in physics and mathematics**, *Sorbonne Université*, with highest honours in physics (overall grade 81.5%) and with high honours in mathematics (overall grade 78.5%).
- 2015–2016 **High school diploma**, major in science, with highest honours (overall grade 82%), *Lycée Petit Val*, Sucy-en-Brie.

## Languages

English C1 level (Cambridge advanced certificate).

German A2 level.

## Professional experience

- May–June 2017 **Internship**, *Orbits of particles in dark matter halos*, under the supervision of Gary Mamon, Institut d’Astrophysique de Paris (IAP).
- May–July 2020 **Internship**, *Motivation for the study of  $J/\psi$ -pair production in correlated double gluon collisions*, under the supervision of Jean-Philippe Lansberg, Laboratoire Irène Joliot-Curie de Physique des 2 Infinis (ICJLab).
- September 2021–March 2022 **Internship**, *D-branes in string theory*, under the supervision of Iosif Bena, Institut de Physique Théorique (IPhT).
- March–July 2022 **Internship**, *The information paradox*, under the supervision of Samir Mathur, Ohio State University (OSU), Department of Physics.

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## Publications

- 2023 ‘Black holes and nilmanifolds : quasinormal modes as the fingerprints of extra dimensions?’, *European Physical Journal C* **83**, with Anna Chrysostomou, Alan Cornell, Aldo Deandrea and Dimitrios Tsimpis. <https://inspirehep.net/literature/2182943>

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## Conferences

- 12<sup>th</sup> May 2023 **Talk**, *Fragmented visions of general relativity and the ontology of time*, during the workshop *From Science to Metaphysics ?* organized by the OLOFOS group, Louvain-la-Neuve.  
<https://sciencemeta.sciencesconf.org/program/details>
- 10<sup>th</sup> July 2023 **Talk**, *A new perspective on the lagrangian formulation of quantum mechanics*, during the conference *Foundations of Physics 2023* organized by the British Society for Philosophy of Science (BSPS), Bristol.  
<https://foundations2023.wordpress.com>
- 9<sup>th</sup> November 2023 **Talk**, *Lee’s Discrete Quantum Field Theory*, with Vincent Ardourel, during the workshop *Discreteness and Precision in Physics* organized jointly by the Institute for the History and Philosophy of Science and Technology (IHPST, Toronto) and the Institut d’Histoire et de Philosophie des Sciences et des Techniques (IHPST, Paris), Paris.  
<https://sites.google.com/view/discrete-precision-phys/programme>