

## Curriculum Vitae

Since 2022 Ph.D. candidate in History and Philosophy of Physics, Bergische Universität Wuppertal

2021-2022 MA in History and Philosophy of Science, Université Paris Cité

2020-2021 Lab engineer in Cognitive Science and Psycholinguistics, École Normale Supérieure  
(Paris)

2014-2018 B.Sc./M1 in Physics, École Normale Supérieure (Paris-Saclay)

I am interested in epistemology, history and sociology of science, cultural anthropology and evolution, and of course physics (cosmology, particle physics, gravitational astronomy and more). I also enjoy programming (mostly in python for the past few years) and statistics.

In my PhD, I will be focusing on supersymmetry, a symmetry that relates the two types of particles of the standard model: bosons and fermions. Since it was proposed in the 1970s, supersymmetry has gathered a lot of attention for its high problem solving ability as well as its compelling mathematical and aesthetical features. Despite a strong commitment of the community in the theory, the Large Hadron Collider failed to find evidence for the particles that it predicts. Although these null results

challenge supersymmetry, it remains the focus of a significant amount of work in the field. I would like to study the motivations of physicists for pursuing this theory, and their epistemic foundations. I also plan to assess sociological reduction claims raised by the practitioners in order to explain the continued “interest” in the theory. Through supersymmetry, I also hope to investigate broader questions such as the possibility for sustained unity of the diverse traditions in high-energy physics.