

Roland Katz, PhD

17 Rue de la Plaine 75020 Paris, France
0033 6 75 25 49 80
rolandkatz@outlook.com
33 years old
Driver's license



Academic research experience (2011 – May 2021)

Fields	High energy particle physics, quark-gluon plasma (QGP), heavy flavors, open quantum systems
Skills	Scientific knowledge, modeling, theoretical calculation, complex simulations in various programming languages, data analyses, various publications/talks in international journals/conferences, international collaborations, project management
Teaching	“Quantum Physics and Nanotechnologies” at Institut Mines-Télécom (2013-2015)
2018 - 2021	CNRS postdoctoral researcher at SUBATECH, Institut Mines-Télécom (Nantes, France) Resolution of quantum master equations describing quarkonium dynamics in a QGP
2016 - 2018	Postdoctoral researcher at the Institute of Physics, University of São Paulo (Brazil) Simulation code for open heavy flavors in event-by-event QGP. Various analyses
2012 - 2015	Doctoral thesis at SUBATECH, Institut Mines-Télécom (Nantes, France) Quantum approaches to dynamical quarkonia suppression in high energy heavy ion collisions
2011 – 2012	Master thesis at Lund Univ., Theory group (Sweden) – Quarkonium polarization in colliders

Other experiences and achievements

GE internship	General Electric Healthcare – mammography system troubleshooting guide (2010)
LKB internship	Kastler Brossel Laboratory in Paris (ENS - CNRS), multimode quantum optics group (2009)
RATP internship	Paris transportation authority, dept. of telecommunications – internal audit (2009)

Education

2010 – 2012	Engineering diploma – Lund Tekniska Högskola, Sweden, T.I.M.E. network double degree Major in atomic and subatomic physics
2008 – 2012	Engineering diploma – Centrale de Lille Grande Ecole, France. Multi-disciplinary engineering
2009 – 2010	Bachelor of Science in Physics – Université de Lille 1, France
2006 – 2008	« Classes Préparatoires aux Grandes Ecoles » – Lycée Saint-Louis Paris

Languages and programming

Languages	French and English (fluent), Portuguese and Spanish (basic)
Programming	VBA, HTML, Mathematica, Bash, Latex, C++, Fortran, ROOT, git

Extra-curricular

Photography, astronomy (former chairman of a club), soccer, art, cooking