

Curriculum Vitae : Le Hur, Karyn Renée Jeannine

https://www.cpht.polytechnique.fr/cpht/lehur/Karyn_LeHur.html

Google scholar profile : <https://scholar.google.com/citations?user=9LsrbzAAAAAJ&hl=en>



EDUCATION

- 1998 PhD, Theoretical Physics, Laboratoire Physique des Solides Orsay
Théorie des Systèmes Kondo en basses dimensions, PhD Advisor : Bernard Coqblin
Jury: Philippe Nozières (Président), Bernard Coqblin, Benoît Douçot, Michele Fabrizio, Thierry Jolicoeur, Heinz Schulz, Mention Honorable, Félicitations
(2 articles with my PhD advisor, and 4 articles in solo including 1 PRL 1999)
I was also lucky to give a course on special relativity at U. Cergy Pontoise
- 1995 DEA of Theoretical Physics, ENS Paris, mention Bien
Work on vortices in superconductors (20/20), theory & applications, ESPCI
Directors: Edouard Brézin, Jean Iliopoulos
- 1994 Maitrise Physique Nantes, Condensed Matter, Classes at IMN, Institut Matériaux
Jean Rouxel, mention Bien

CURRENT POSITIONS

2018. CNRS Senior Research Director 1, permanent position
Centre de Physique Théorique CPHT, Institut Polytechnique de Paris
- 2012- Present Professeure chargée de cours (PCC) à Ecole Polytechnique

PREVIOUS POSITIONS

- 2012-2018 CNRS Senior Research Director 2
- 2006-2011 Associate Professor at Yale University, USA
- 2002-2006 Assistant and Associate Tenure Professor at Sherbrooke, Canada
- 2000-2002 6-year maître-assistant position at Geneva, group of M. Büttiker
- 1998-2000 Post-Doctoral position at ETH Zürich, group of T. M. Rice

RESEARCH AREAS, PUBLICATIONS, TALKS

Condensed Matter Theory; Many-Body Quantum Systems; Correlation effects; Mesoscopic Physics, Quantum optics and Ultra-cold quantum gases; Quantum Information; Mathematics

List of Publications: <https://www.cpht.polytechnique.fr/cpht/lehur/publicationsKLH2023.pdf>

Selection of 10 Publications: <https://www.cpht.polytechnique.fr/?q=fr/node/111>

h-index **46** total **6621** citations (**2666** since 2018) (Google Scholar Profile)

Total of **140** publications, **12** reviews, **1** book chapter <https://arxiv.org/abs/0909.4822>

Quantum Phase Transitions in Spin-Boson Systems: Dissipation and Light Phenomena

in *Understanding Quantum phase Transitions*, ed. L. Carr, CRC Press, Taylor & Francis 2010

Participation in **1** Popular Book on Quantum Mechanics, Le Plus Grand des Hasards, Belin, editors Jean-Francois Dars and Anne-Marie Papillaut, 2010, 65 authors