

# Jérôme Thibaut

Doctorant



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## Langues

Chinese (basis)

German (good)

English (fluent)

French (native)

## Programmation

C++ (basis)

Unix (common)

HTML (good)

L<sup>A</sup>T<sub>E</sub>X, TikZ (excellent)

Scilab (good)

Python (excellent)

## Education

- 2016-2019 PhD Condensed Matter and Cold Atoms at Laboratoire de Physique de l'ENS de Lyon
- 2015-2016 Master of Science, Physics 2<sup>nd</sup> year at ENS de Lyon, Mention Bien (High honors)
- 2014-2015 'Agregation de Mathématiques' at ENS de Lyon  
French national competition for teaching mathematics, it needs strong mathematical background and pedagogy, rank 39
- 2013-2014 Master of Science, Physics 1st year at ENS de Lyon
- 2012-2013 Bachelor of Science, Mathematics 3rd year at ENS de Lyon, Mention 'Bien' (High Honors)
- 2010-2012 'Classes préparatoires' in Mathematics and Physics (MPSI-MP\*) at Lycée Henri IV in Paris

## Articles

- PRB J.Thibaut T.Roscilde F.Mezzacapo DOI : 10.1103/PhysRevB.100.155148  
Long-Range Entangled-Plaquette States for Critical and Frustrated Quantum Systems on a Lattice
- In progress J.Thibaut T.Roscilde F.Mezzacapo  
Quench dynamics of entanglement and correlations of lattice quantum systems via a variational Ansatz
- Accepted S.Boury L.Menou R.Menu H.Piot-Durant-Lecomte J.Thibaut BUP  
Tsunami : formation, propagation et déferlement

## Contributions to conferences, workshops, schools

- 27-31/08/2018 Journée de la matière condensée, Grenoble, France Talk
- 11-12/07/2018 Enseigner la physique dans le supérieur, Grenoble, France Talk
- 15-18/04/2018 Quantum Gases and Quantum Coherence, Bad Honnef, Germany Poster
- 16-21/07/2017 Young Atom Opticians conference, Paris, France Poster
- 08-10/02/2017 42nd Conference of the Middle-European Cooperation in Statistical Physics (MECO), Lyon, France Poster
- 31-03/09/2016 Quantum gases and quantum coherence, Salerno, Italia Poster

## Research

- 2020-2023 Postdoc (AgPr) on Condensed Matter Theory at ILM, Université de Lyon 1
- 2019-2020 Mathematics' teacher at 'Classes préparatoires' in economics class (ECE1) at Lycée Jean Jacques Rousseau, Sarcelles
- 2016-2019 PhD on Condensed Matter Theory at Laboratoire de Physique de l'ENS de Lyon under Tommaso Roscilde Supervision (64h teaching per year)
- 2016 Four months of internship at Laboratoire de Physique de l'ENS de Lyon under Tommaso Roscilde supervision I worked on condensed matter
- 2014 Three months of internship at Clarendon Laboratory at Oxford under Christopher Foot supervision, I worked on experimental quantum optics
- 2013 Six weeks of internship at UMR de Mathématiques d'Orsay at Orsay under Yann Pautrat supervision, I worked on quantum probability