

Marco Cherubini

Scientific Curriculum Vitae

✉ marco.cherubini@uniroma1.it

Education

- 2018–Now **PhD Program**, *Università di Roma, La Sapienza, Rome.*
Supervisor: Prof. Francesco Mauri
- 2016–2018 **Master's Degree in Physics**, *Università di Roma, La Sapienza, Rome.*
Thesis title: Thermodynamic properties of ice XI: effect of thermal and quantum fluctuations
Supervisor: Prof. Francesco Mauri
110 e lode /110
- 2013–2016 **Bachelor's Degree in Physics**, *Università di Roma, La Sapienza, Rome.*
Thesis title: Neutrini e Cosmologia
Supervisor: Prof. Alessandro Melchiorri
110 e lode /110
- 2009–2013 **High School Scientific Diploma**, *Liceo Scientifico L. Rocci, Passo Corese.*
100 e lode /100

Schools & Workshops

- Jul 2019 **ESCOMP**, *Summer School on Advanced Electronic Structure Methods in Condensed Matter Physics*, École Polytechnique Fédérale de Lausanne, Lausanne, CH.
- Feb 2021 **ICTP**, *20th International Workshop on Computational Physics and Materials Science: Total Energy and Force Methods*, International Center for Theoretical Physics, Trieste, ITA.

Publications

- 2021 **J. Phys.: Condens. Matter** **33 36300**, L. Monacelli, R. Bianco, M. Cherubini, I. Errea, M. Calandra and F. Mauri, *The stochastic self-consistent harmonic approximation: calculating vibrational properties of materials with full quantum and anharmonic effects.*
- 2021 **J. Chem. Phys.** **155, 184502**, M. Cherubini, L. Monacelli, and F. Mauri, *The microscopic origin of the anomalous isotopic properties of ice relies on the strong quantum anharmonic regime of atomic vibration.*

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