

Gabriel Morgado

PhD Student in Statistical Physics

PERSONAL DETAILS

Age 23 y.o.
Address 9 rue Simonnot 93310 Le Pré-Saint-Gervais (France)
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Nationality French / Portuguese
Marital Status Single

EDUCATION

MSc Theoretical Physics of complex Systems 2016-2017
Université Pierre et Marie Curie, Paris (France)
14.4/20

Master 1 Physics and Applications - General Physics 2015-2016
Université Pierre et Marie Curie, Paris (France)
15.5/20

ERASMUS program Jan-Jul 2015
Università Roma Tre, Roma (Italy)
14.1/20

BSc in Fundamental Physics 2011-2014
Université Pierre et Marie Curie, Paris (France)
13.4/20

Baccalauréat 2008-2011
High School Honoré de Balzac, Paris (France)
13.8/20

RESEARCH EXPERIENCE

PhD thesis: Effects of fluctuations in biological processes confined in nano-scale organs Since Oct. 2017

Institute of Physical Chemistry, Polish Academy of Sciences (IPC PAS), Warsaw (Poland)

Laboratoire de Physique Théorique de la Matière Condensée (LPTMC), Paris (France)

Modeling of gypsum crystallization Apr-Jul 2016

Laboratoire de Physique Théorique de la Matière Condensée (LPTMC), Paris (France)

Numerical simulations using a kinetic Monte-Carlo algorithm to predict the dynamics of gypsum crystallization [1].

Experimental setup for impact of cosmic particles Apr-Jul 2015

University Roma Tre, Roma (Italy)

Create an experimental setup for the measurement of incident cosmic particles and numerical simulations.

SKILLS

<i>Languages</i>	English French Portuguese Italian
<i>Programming languages</i>	MATLAB, C/C++, FORTRAN 77/95, PYTHON, JAVA, L ^A T _E X

OTHER ACTIVITIES AND HOBBIES

Member of an association of academic support "Les Petits Prodiges" since 2015

ARTICLES

[1] G. Morgado, M. Collet, R. Lespiat, H. Rétot, and A. Lemarchand, "Submicrometric picture of plaster hydration: Optimization of the addition of gypsum needles", *The Journal of Physical Chemistry C*, vol. 121, no. 10, pp. 5657–5666, 2017.