PERSONAL INFORMATION   Anna Poggialini

EDUCATION

25/10/2021   **Master's degree in Physics**

110/110 cum laude

Sapienza University of Rome

Thesis title:
"Emergence of self-oscillation in a Potts model with negative feedback"

Supervisor: Enzo Marinari
Co -advisor: Danie le De Martino

The thesis work was carried out in collaboration with the Biofisika Institute (Bilbao, Spain)

29/04/2019   **Bachelor's degree in Physics and Advanced Technologies**

110/110 cum laude

University of Siena

Thesis title: "Nuclear structure corrections in muonic atoms: the μ^6Li ++ and μ^7Li ++ cases."

Supervisor: Emilio Mariotti
Co-advisor: Sonia Bacca

The thesis work was carried out in collaboration with the Helmholtz Institute of Mainz (Germany)

20/08/2018- 21/09/2018   **Internship at Johannes Gutemberg-Universität and the Helmholtz Institute (Mainz, Germany)**
Nuclear Structure Theory

06/2015   **High school diploma at Liceo Classico Enea Silvio Piccolomini**
Liceo Enea Silvio Piccolomini

Siena

90/100

PHD AREA

Theoretical physics in statistical mechanics and complex systems

Ai fini della pubblicazione

F.to Anna Poggialini
22/01/2024, Roma

WORK EXPERIENCES

Tutoring of **Geometry and Analysis** for the bachelor course in **physics** in the academic year **2022/2023** (Analysis) (Bando n. 18/2022)

CONFERENCES

CompleNet 2023

Talk: "Rethinking community detection in the light of the Laplacian Renormalization Group"

NetSci 2023

Talk: "Rethinking community detection in the light of the Laplacian Renormalization Group"

VISITINGS

Visiting at **Instituto Carlos I de física teórica y computacional, Facultad de ciencias, Universidad de Granada** (06/09/2023-06/12/2023)

PUBLICATIONS

Emergence of collective self-oscillations in minimal lattice models with feedback
Dmitry Sinelshchikov, Anna Poggialini, Maria Francesca Abbate, and Daniele De Martino
Phys. Rev. E 108, 044204 – Published 6 October 2023

Rethinking network community detection in the light of the Laplacian Renormalization Group
P Villegas, A Gabrielli, A Poggialini, T Gili - arXiv preprint arXiv:2301.04514, 2023

Muonic Lithium atoms: nuclear structure corrections to the Lamb shift
Muli, Simone & Poggialini, Anna & Bacca, Sonia. (2020).
SciPost Physics Proceedings. 10.21468/SciPostPhysProc.3.028.

Rotation Period Determination for 8994 Kashkashian, (25980) 2001 FK53 and (29128) 1985
RA1
The Minor Planet Bulletin, 45-1 (2018)

AWARDS

borsa di studio "Wanted the Best" 2020

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SKILLS

Degrees of type L-30 and LM-17

I have been carrying out private tutoring for both high school and university students.

The Master's course was particularly focused on <u>theoretical and computational statistical mechanics</u>.

The Bachelor's thesis and Internship at both Johannes Gutemberg-Universität of Mainz and the Helmholtz Institute addressed theoretical nuclear physics issues.

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