

Arturo DE GIORGI



PERSONAL DATA

PLACE AND DATE OF BIRTH: Parma, Italy | 14 August 1996
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ABOUT ME

I am a very energetic and active person. In the past, I followed many different activities simultaneously: university courses (mandatory ones and extras that I found interesting), sports, language courses, the development of a startup and, of course, free time. I learnt how to organize and plan efficiently my duties and to control and overcome stress. Working in a startup for more than six years and collaborating as a Tutor, has given me the possibility to learn how to work in a team and get along with people at work.

EDUCATION

Currently	PH.D. in PHYSICS at INSTITUTO DE FÍSICA TEÓRICA (IFT UAM/CSIC), Madrid Advisor: Prof. Dr. Luca MERLO
DECEMBER 2020	MASTER OF SCIENCE in PHYSICS at LUDWIG-MAXIMILIANS-UNIVERSITÄT, Munich Final Grade: 1.02/1.00 Thesis: "Dark Matter Production in Warped Extra-Dimensions" Advisor: Dr. Habil. Georg RAFFELT, Co-advisor: JProf. Stefan VOGL
JULY 2018	BACHELOR OF SCIENCE in PHYSICS at UNIVERSITÀ DEGLI STUDI DI PADOVA, Padua Final Grade: 109/110 Thesis: "Non-Abelian Anyons and Quantum Computation" Advisor: Prof. Dr. Pieralberto MARCHETTI GPA: 28.33/30
JULY 2015	DIPLOMA at LICEO SCIENTIFICO "GIACOMO ULIVI", Parma Final Grade: 100/100

SCHOOLS

MARCH 2021	DOCTORAL SCHOOL in THEORETICAL ASPECTS OF ASTROPARTICLE PHYSICS, COSMOLOGY AND GRAVITATION at GALILEO GALILEI INSTITUTE FOR THEORETICAL PHYSICS, Florence See: https://agenda.infn.it/event/24368/
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WORK EXPERIENCE AND INTERNSHIPS

MAY - AUGUST 2021	RESEARCH INTERNSHIP at ETH, Zurich on MACHINE LEARNING AND PHASE TRANSITIONS in the group led by <i>Prof. Dr. M.K. Marinkovic</i>
DECEMBER - NOVEMBER 2019/2020	STUDENT RESEARCH ASSISTANT at MAX PLANCK INSTITUT FÜR PHYSIK, Munich on DARK MATTER PRODUCTION IN WARPED EXTRA-DIMENSIONS supervised by <i>JProf. Dr. S. Vogl</i>

TEACHING EXPERIENCE

OCTOBER - DECEMBER 2020	TUTOR for Master course at LUDWIG-MAXIMILLIAN-UNIVERSITÄT MÜNCHEN for CLASSICAL AND QUANTUM SIMULATIONS OF PHYSICAL SYSTEMS held by <i>Prof. Dr. M.K. Marinkovic</i>
JULY - SEPTEMBER 2020	TUTOR for Master course at LUDWIG-MAXIMILLIAN-UNIVERSITÄT MÜNCHEN for INTRODUCTION TO LATTICE GAUGE THEORIES held by <i>Prof. Dr. M.K. Marinkovic</i>
OCTOBER - MARCH 2019/2020	TUTOR for Master course at LUDWIG-MAXIMILLIAN-UNIVERSITÄT MÜNCHEN for QUANTUM MECHANICS II held by <i>Prof. Dr. V. Mukhanov</i>

SCHOLARSHIPS AND AWARDS

SEPTEMBER 2021	DOCTORAL GRANT - EUROPEAN UNION'S HORIZON 2020 research and innovation programme under the MARIE SKŁODOWSKA CURIE GRANT agreement No 860881-HIDDEN as EARLY STAGE RESEARCHER (ESR) see: hiddeneu.eu
MARCH 2016	SCHOLARSHIP for highschool graduate students " Premio Gelati " for best research project

LANGUAGES

ITALIAN:	C2 - Mothertongue
ENGLISH:	C1 - Fluent
GERMAN:	B1 - Basic Knowledge
SPANISH:	A1 - Limited Knowledge

COMPUTER SKILLS

Basic Knowledge:	HTML, CSS, PHP
Intermediate Knowledge:	PHYTON, C++, FeynCalc, FeynRules, xAct
Advanced Knowledge:	Mathematica, \LaTeX

PUBLICATIONS

1. A. de Giorgi and S. Vogl, *Unitarity in KK-graviton production: A case study in warped extra-dimensions*, JHEP **04** (2021) 143, [[arXiv:2012.09672](#)]
2. A. de Giorgi and S. Vogl, *Dark matter interacting via a massive spin-2 mediator in warped extra-dimensions*, JHEP **11** (2021) 036, [[arXiv:2105.06794](#)]
3. J. Alonso-Gonzalez, A. de Giorgi, L. Merlo, and S. Pokorski, *Searching for BSM Physics in Yukawa Couplings and Flavour Symmetries*, [arXiv:2109.07490](#)

OUTREACH

1. A. de Giorgi, *Physics, following the breadcrumbs of our intuition*, February, 2022. [[Online](#); posted 08-February-2022]

NON-SCIENTIFIC ACTIVITIES

JULY 2014 OCTOBER 2021	FOUNDER and CAO of Artupia old website location: http://www.artupia.com In 2014 I started working with two dear friends at a Startup, Artupia, on the algorithm side as CAO. All this has led to a solid group work, to learn new tools never used before for image creation and social management, to learn how to code in different programming styles and to learn the basics of marketing and design.
2012 - 2015	MEMBER and EVENTS COORDINATOR of the Highschool Club Europeanclubeuropeo .

REFERENCES

For references, please get in touch with:

1. Prof. Dr. Luca MERLO at INSTITUTO DE FÍSICA TEÓRICA (IFT UAM/CSIC)
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2. Prof. Dr. Stefan VOGL at UNIVERSITÄT FREIBURG
Email: stefan.vogl@physik.uni-freiburg.de

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Arturo de Giorgi