

Arturo DE GIORGI



PERSONAL DATA

PLACE AND DATE OF BIRTH: Parma, Italy | 14 August 1996
ADDRESS: Viale Rustici 24, 43123, Parma, Italy
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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, German 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.

WORK EXPERIENCE

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|----------------------------------|--|
| DECEMBER - NOVEMBER 2019/2020 | Master Thesis at MAX PLANCK INSTITUT FÜR PHYSIK, Munich Title: "Dark Matter Production in Warped Extra-Dimensions" Advisor: Dr. Habil. Georg RAFFELT, Co-advisor: JProf. Stefan VOGL |
| OCTOBER - DECEMBER 2020 | Tutor for Master course CLASSICAL AND QUANTUM SIMULATIONS OF PHYSICAL SYSTEMS at LUDWIG-MAXIMILLIAN-UNIVERSITÄT MÜNCHEN, hold by <i>Prof. Dr. M.K. Marinkovic</i> |
| JULY - SEPTEMBER 2020 | Tutor for Master course INTRODUCTION TO LATTICE GAUGE THEORIES at LUDWIG-MAXIMILLIAN-UNIVERSITÄT MÜNCHEN, hold by <i>Prof. Dr. M.K. Marinkovic</i> |
| OCTOBER - MARCH 2019/2020 | Tutor for Master course QUANTUM MECHANICS II at LUDWIG-MAXIMILLIAN-UNIVERSITÄT MÜNCHEN, hold by <i>Prof. Dr. V. Mukhanov</i> |

EDUCATION

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|---------------|---|
| DECEMBER 2020 | MASTER OF SCIENCE in PHYSICS, 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, 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 |

SCHOLARSHIPS AND CERTIFICATES

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| MARCH 2016 | SCHOLARSHIP for highschool graduate students " Premio Gelati " for best research project |
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LANGUAGES

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

COMPUTER SKILLS

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

INTERESTS AND NOT-SCIENTIFIC ACTIVITIES

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| JULY 2014 - Today | <p>FOUNDER and CAO of Artupia see: http://www.artupia.com</p> <p>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.</p> |
| 2012 - 2015 | MEMBER and EVENTS COORDINATOR of the Highschool Club Europeanclubeuropeo . |

PUBLICATIONS

1. A. de Giorgi and S. Vogl, "Unitarity in KK-graviton production: A case study in warped extra-dimensions," 12 2020, 2012.09672

Munich, 14.01.2021
Arturo de Giorgi

De Giorgi, Arturo
geb. am 14. August 1996 in Parma
Matrikelnr. 11961298

München, den 11. August 2020

Studiengang: Physik
Abschluss: Master of Science (M.Sc.)

Transcript of Records gemäß Prüfungs- und Studienordnung der Ludwig-Maximilians-Universität München für den
Masterstudiengang Physik vom 30.09.2009

| Studienbegleitende Prüfungsleistungen | Semester | Bewertung | ECTS |
|---|----------|-------------|-----------|
| 10100 Fortgeschrittene Experimentalphysik | | 1,00 | 9 |
| 10101 Teilchenphysik für Masterstudenten (Schaile) | SS 2019 | 1,00 | 9 |
| 10200 Fortgeschrittene Theoretische Physik | | 1,00 | 9 |
| 10201 Quantenmechanik II (Brunner) | WS 18/19 | 1,0 | 9 |
| 10300 Qualifikation | | BE | 3 |
| 10301 Deutsch A1.1 (IUCM) | WS 18/19 | BE | 3 |
| 20100 Moderne Physik | | 1,00 | 9 |
| 20101 Generelle Relativitätstheorie (Mukhanov) | WS 18/19 | 1,0 | 9 |
| 20200 Spezialisierung | | 1,00 | 12 |
| 20201 Seminar: Grundlagen der Teilchenphysik (Buchalla) | SS 2019 | 1,0 | 3 |
| 20202 QCD und Standardmodell (Dvali) | SS 2019 | 1,0 | 9 |
| 20300 Forschungsmethoden der modernen Physik | | 1,00 | 9 |
| 20301 Fortgeschrittenen Praktikum für das Physikmasterstudium (Benoit) | WS 18/19 | 1,0 | 3 |
| 20302 Symmetrie in der Physik (Chamseddine) | SS 2019 | 1,0 | 6 |
| 20400 Grundlagenforschung | | 1,30 | 9 |
| 20401 Quantenfeldtheorie (Quantenelektrodynamik) (Buchalla) | WS 18/19 | 1,3 | 9 |
| 30100 Praktische Phase Teil 1 | WS 19/20 | BE | 15 |
| 30200 Praktische Phase Teil 2 | WS 19/20 | BE | 15 |
| Summe ECTS-Punkte | | | 90 |
| Zusätzliche Prüfungsleistungen, die nicht in die Masterprüfung eingegangen sind: | | | |
| Quanteninformation und -verschränkung (Paredes) | WS 18/19 | 1,3 | 9 |
| Quantenfeldtheorie (Sachs) | SS 2019 | 1,3 | 9 |
| Kosmologie (Mukhanov) | SS 2019 | 1,3 | 9 |
| Quantenfeldtheorie zu gekrümmter Raumzeit (Helling) | WS 19/20 | 1,0 | 9 |
| Deutsch A2.1 (IUCM) | WS 19/20 | BE | 3 |
| Deutsch B1.1 (IUCM) | WS 19/20 | BE | 3 |
| Summe ECTS-Punkte | | | 42 |
| Ende der Auflistung | | | |

(P)=Pflichtmodul, (WP)=Wahlpflichtmodul, *= anerkannte Leistung, BE=bestanden

Notengebungsart:

Die Leistungen in den einzelnen Prüfungsgebieten werden bezeichnet mit 1 = sehr gut; 2 = gut; 3 = befriedigend; 4 = ausreichend; 5 = nicht ausreichend. Zur differenzierteren Bewertung der Leistung können die Notenziffern um 0,3 erniedrigt oder erhöht werden. Die Bewertungen 0,7, 4,3, 4,7 und 5,3 sind ausgeschlossen.

Die Endnote und Gesamtnoten aus Einzelbewertungen lauten: bis einschließlich 1,50 = „sehr gut“; von 1,51 bis einschließlich 2,50 = „gut“; von 2,51 bis einschließlich 3,50 = „befriedigend“ und von 3,51 bis einschließlich 4,00 = „ausreichend“.

M. Fulgieri

Marion Fulgieri
Prüfungsamt Physik

PRÜFUNGSAMT PHYSIK
LUDWIG-MAXIMILIANS-UNIVERSITÄT
SCHELLINGSTRASSE 4
80799 MÜNCHEN



De Giorgi, Arturo
born 14 August 1996 in Parma
Student ID: 11961298

Munich, 11 August 2020

Program: Physics
Degree: Master of Science (M.Sc.)

Transcript of Records in accordance with the examination regulations for the Master program in Physics at Ludwig-Maximilians-Universität München of 30 September 2009

| List of Credit Courses | Term | Grade | ECTS |
|--|----------|-------------|-----------|
| 10100 Advanced Experimental Physics | | 1.00 | 9 |
| 10101 Advanced Particle Physics (Schaile) | SS 2019 | 1.00 | 9 |
| 10200 Advanced Theoretical Physics | | 1.00 | 9 |
| 10201 Quantum Mechanics II (Brunner) | WS 18/19 | 1.0 | 9 |
| 10300 Qualification | | BE | 3 |
| 10301 German A1.1 (IUCM) | WS 18/19 | BE | 3 |
| 20100 Modern Physics | | 1.00 | 9 |
| 20101 General Relativity (Mukhanov) | WS 18/19 | 1.0 | 9 |
| 20200 Specialisation | | 1.00 | 12 |
| 20201 Seminar: Foundation of Particle Physics (Buchalla) | SS 2019 | 1.0 | 3 |
| 20202 QCD and Standard Model (Dvali) | SS 2019 | 1.0 | 9 |
| 20300 Research Methods of Modern Physics | | 1.00 | 9 |
| 20301 Advanced Practical Courses for the Physics Master Program (Benoit) | WS 18/19 | 1.0 | 3 |
| 20302 Symmetry in Physics (Chamseddine) | SS 2019 | 1.0 | 6 |
| 20400 Fundamental Research | | 1.30 | 9 |
| 20401 Quantum Field Theory (Electrodynamics) (Buchalla) | WS 18/19 | 1.3 | 9 |
| 30100 Practical Phase Part 1 | WS 19/20 | BE | 15 |
| 30200 Practical Phase Part 2 | WS 19/20 | BE | 15 |
| Sum of ECTS Credits | | | 90 |
| Additional courses not counted for the master exam: | | | |
| Quantum Information and Entanglement (Paredes) | WS 18/19 | 1.3 | 9 |
| Quantum Field Theory (Sachs) | SS 2019 | 1.3 | 9 |
| Cosmology (Mukhanov) | SS 2019 | 1.3 | 9 |
| Quantum Field Theory on Curved Space-Time (Helling) | WS 19/20 | 1.0 | 9 |
| German A2.1 (IUCM) | WS 19/20 | BE | 3 |
| German B1.1 (IUCM) | WS 19/20 | BE | 3 |
| Sum of ECTS Credits | | | 42 |
| End of Transcript | | | |

(P)=compulsory module, (WP)=compulsory optional module, BE=passed

Grading scheme:

Grades on each piece of work are indicated as: 1 = very good; 2 = good; 3 = satisfactory; 4 = sufficient; 5 = not sufficient. To guarantee a higher degree of differentiation, grades may be decreased or increased by 0.3. Grades of 0.7, 4.3, 4.7 and 5.3 are not possible. The final grade is indicated as: up to and including 1.50 = "very good"; from 1.51 up to and including 2.50 = "good"; from 2.51 up to and including 3.50 = "satisfactory" and from 3.51 up to and including 4.00 = "sufficient".

M. Fulgieri

Marion Fulgieri
Examination Office of Physics

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LUDWIG-MAXIMILIANS-UNIVERSITÄT
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