

Marco Tonini

Ph.D. in Theoretical Physics

office address

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contacts

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social networks

Personal Website
LinkedIn
Google Scholar

personal details

born 22 October 1987
in Bolzano, Italy
nationality: Italian

profile

Strong attitude in researching, learning and achieving results. Scientific background with higher education. Analytic and systematic way in understanding problems and finding solutions. Proactive team-working and creativity to pursue new ideas. Fluent communication skills in different languages. Flexibility and commitment. Willingness to take responsibilities.



education

- | | | |
|-------------|---|--|
| 2011 - 2014 | Ph.D. in Theoretical Physics
<i>Beyond the Standard Higgs at the LHC</i>
Supervisor: Dr. J. Reuter
Co-Supervisor: Prof. Dr. G. Moortgat-Pick | Deutsches Elektronen-Synchrotron (DESY), Hamburg |
| 2009 - 2011 | Master of Science in Theoretical Physics
<i>Fermion Masses and Mixing in 5D SUSY SO(10) Grand Unified Theories</i>
Supervisor: Prof. F. Feruglio
Co-Supervisor: Dr. C. Hagedorn
Grade: 110/110 with honor (<i>cum laude</i>) | University of Padova, Padova |
| 2006 - 2009 | Bachelor of Science in Physics
<i>Nöther's theorem and applications</i>
Supervisor: Prof. L. Vanzo
Grade: 110/110 with honor (<i>cum laude</i>) | University of Trento, Trento |

certificates

- | | | |
|----------|--|---|
| Jul 2014 | German Language C1 Certificate
C1 level in writing, listening, reading and speaking skills in German | Goethe Institute Hamburg |
| Nov 2010 | Proexcellencia II
Best Graduate Student of South Tyrol (8 students) for the Year 2009 | Südtiroler Sparkasse and Unternehmerverband/Assoimprenditori Südtirol |
| Sep 2009 | Percorso di approfondimento in Fisica
Outstanding Results during the Bachelor Degree | University of Trento |
| Nov 2007 | Proexcellencia
Best High School Student of South Tyrol (30 students) for the Year 2006 | Südtiroler Sparkasse |

work experience

- Nov 2011- Oct 2014 **Deutsches Elektronen-Synchrotron (DESY)** Hamburg
Research Associate with a three-years fellowship.
Achievements:
- four publications in peer-reviewed journals (bibliography: InspireHEP)
 - four scientific presentations to qualified audiences
 - two educational presentations to High Schools
 - participation in numerous scientific Workshops

skills

Scientific background Research attitude. Strong orientation to teamwork and collaboration. Deep knowledge in: Classical and Modern Physics, Data Analysis Techniques, Linear Algebra, Integration, Statistics. Advanced programming skills in C++, Wolfram Mathematica, \LaTeX .

Proactivity Elected Student Representative (University of Trento): Science Faculty Council 2006-2008, Library Council 2006-2008, Board member 2008-2009.

Organizer of several cultural events supported by University foundings:

- public talk in Hamburg with Prof. L. Rossi (CERN) on the latest results on the Higgs Boson searches from the LHC experiment
- public discussion at the University of Padova with Prof. M. Bersanelli (University of Milano) and Prof. S. Matarrese (University of Padova) on the main goals and prospects of the Planck Mission of the European Space Agency
- two-week scientific exhibit of nearly 30 panels describing the latest developments in the physics research, with more than 200 total visitors
- four classical music concerts in Trento with a “pedagogical” introduction to guide the listening of the pieces

Communication Daily use of Italian (native), English (fluent), German (fluent). Author of numerous scientific and educational presentations.

references

Dr. Jürgen Reuter – Ph.D. Supervisor
DESY Theory Group
Notkestr. 85, D-22603 Hamburg
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