Lorenzo Speri

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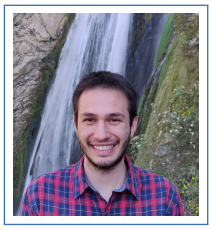

Education

2018 - **Master of Theoretical Physics BSc**, *University of Heidelberg.*

2015 - 2018 **Bachelor of Physics BSc**, *University of Trento.*
Erasmus+ Programme: 10 months as an exchange student at the University of Oslo (2017/2018).
Thesis: *Analyzing Gravitational Waves through Numerical Simulations of Compact Binaries.*
Degree examination: 110/110

2010 - 2015 **High School Diploma**, *Institute L. Calabrese - P. Levi*, San Pietro in Cariano (VR), Italia, 96/100.
Scientific High School Diploma.

Workshops and Schools

20-24/05/19 **The Mysterious Universe: Dark Matter - Dark Energy - Cosmic Magnetic Fields**, *Mainz Institute for Theoretical Physics, Johannes Gutenberg University.*

13-15/05/19 **LISA Waveform Working Group Meeting**, *Max Planck Institute for Gravitational Physics (Albert Einstein Institute), Potsdam.*

8-12/04/19 **Advanced Workshop on Accelerating the Search for Dark Matter with Machine Learning**, *ICTP, Trieste.*

11-22/03/19 **Theoretical Aspects of Astroparticle Physics, Cosmology and Gravitation**, *Galileo Galilei Institute, Firenze.*
Neutrino physics (F. Feruglio), Galactic cosmic rays and multimessenger astronomy (F. Donato), Gravitational waves and compact binaries (E. Barausse), Cosmological perturbation theory and structure formation (V. Desjacques)

09/2018 **Gaia Data & Science**, *University of Heidelberg.*
Summer School at the International Max Planck Research School for Astronomy & Cosmic Physics

04/2018 **Spring workshop in nuclear and particle physics**, *CERN.*
The workshop seminars covered: Heavy ion physics, Astroparticle physics and Dark matter, Radioactive Ion Beams for Medical Applications, Particle accelerators, Electroweak interactions, and the discovery of the Higgs boson.

09/2014 **Discovering high-mass particles with CMS**, *University of Padova.*
The purpose of the workshop was to estimate the mass of the Z boson, using basic experimental particle physics and data analysis.

Fall 2014 **Arduino Programming Course**, *Institute L. Calabrese - P. Levi.*

Spring 2014 **Mente e Cervello**, *University of Verona.*
Neurobiology of emotions: 16 hours of lessons with final exam. Score 30/30.

Talks

02/09/2018 **Cosmological Evidences of Dark Matter from the CMB**.

Work Experience

2014 - 2017 **Private tutor of scientific subjects**.

IT Skills

System Windows, Linux, Mac OS X

Languages C, C++, Python, Bash, Matlab, Cactus Framework, LaTeX

Software Microsoft Office, Einstein Toolkit

Language Skills

Italian	Native language
English	TOEFL iBT 95/120
German	Internationalen Studien Zentrums der Universität Heidelberg: A2

Other

GitHub **Personal Academic Website**, `https://github.com/lorenzsp`.
My certifications and university reports I have written can be found at my GitHub site.

Personal Interests.
I play piano and I love listening to classical music. I have played rugby for six years, but I also like swimming, skiing and travelling.