

# Curriculum Vitae

David Marzocca

*INFN Trieste*

## PERSONAL INFORMATION

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Name	David Marzocca
Position	INFN Researcher
Work Address	INFN Trieste, SISSA Via Bonomea 265, 34136 Trieste (TS), Italy
Nationality	Italian
Website	<a href="https://people.sissa.it/~dmarzocc/">Inspire</a> , personal page: <a href="https://people.sissa.it/~dmarzocc/">https://people.sissa.it/~dmarzocc/</a>

## EDUCATION AND ACADEMIC CAREER

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2017 - Today	INFN Researcher ( <i>Istituto Nazionale di Fisica Nucleare</i> ), Trieste, Italy.
2014 - 2017	Postdoc at the Physik Institut, Universität Zürich, Switzerland.
April - July, 2013	Recipient of a 4-months grant as Early-Stage Researcher under the Marie Curie Initial Training Network <i>UNILHC</i> for a research stay at CERN.
PhD: 2010 - 2014	SISSA, <i>International School for Advanced Studies</i> , Trieste, Italy. PhD cum laude in astroparticle physics.
MSc: 2008 - 2010	<i>Sapienza</i> , University of Rome, Italy. 110/110 cum laude in physics with the thesis
BSc: 2005 - 2008	<i>Sapienza</i> , University of Rome, Italy. 110/110 cum laude in physics with the thesis

## BIBLIOMETRIC DATA

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Publications	39 publications, of which 30 published in high-impact refereed international scientific journals. [ <a href="#">Inspire</a> page].
Citations	Citations according to Inspire on 18/02/2020: 3558 citations, average 91.2 citations per paper, <i>h</i> -index 26.

## GRANTS

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2018	Recipient and PI of the INFN Starting grant for young researchers with the project <i>SESAMO</i> (Synergies of Flavour and Dark Matter), for 60k€.
2016	Recipient of the 2016 Forschungskredit (Research Grant) of the University of Zurich for the academic year 2016-2017 with the project titled <i>New Physics at the LHC: the Higgs and beyond</i> , for 108639 CHF.

## PRIZES

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2015	Winner of the 2014 edition of the “ <i>Best Ph.D. thesis in physics</i> ” award at SISSA.
2009	Winner of the 1st edition of the <a href="#">ARAP</a> (Roman Association for Astroparticle Physics) prize for students in Elementary Particles Physics.

## COORDINATION AND ORGANIZATION EXPERIENCES

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From 2019	Local coordinator of the INFN initiative (iniziativa specifica) AAE.
2017 - 2019	Theory Convener of the <i>LHC Higgs Cross Section Working Group</i> dedicated to the studies of the Higgs boson properties (WG2): organization of the activities of the working group, coordination of the theory and experimental collaboration, organization of several workshops and conferences.
2017	Theory convener of the <i>New Physics Searches</i> session of the international conference EPS 2019 in Ghent (Belgium).
2018	Winner of a MITP (Mainz Institute for Theoretical Physics) grant for the organization of the workshop 'MODEL' (LHCb and Belle II Opportunities for Model Builders), from 28/01/2019 to 01/02/2019.
2017	Theory convener of the <i>Electroweak Physics</i> session of the international conference LHCP 2017 in Shanghai (China).
2015-2016	Organizer of the Journal Club activity for the High Energy groups of the Zurich University and ETH.

## TEACHING EXPERIENCES

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From March 2020	Lecturer of the " <i>Quantum Field Theory II</i> " course at the University of Trieste.
2018 & 2019	Teaching assistant to SISSA PhD " <i>Quantum Field Theory</i> " course.
July 2018	Invited teacher at the <i>Petnica Summer Institute's Summer School on High Energy Physics</i> for the course " <i>Symmetries and Group Theory</i> ".
2017	Teaching assistant to the joint UZH and ETH course on " <i>Advanced Field Theory</i> ".
2015 & 2016	Teaching assistant to the joint UZH and ETH course on " <i>Quantum Field Theory I</i> ".
2015 & 2016	Teaching assistant to the joint UZH and ETH course on " <i>Quantum Field Theory II</i> ".
August 2013	Invited lecturer at the first Petnica School of Cosmology (Serbia) for the courses " <i>Particle Physics and the Early Universe</i> " and " <i>The Higgs Boson</i> ".
2012 - 2013	Divulgative seminars for High School students on " <i>The LHC and the Higgs Boson</i> " as part of the initiative <i>SISSA for School</i> .
2009	Scholarship holder for collaboration at the <i>Bruno Pontecorvo Laboratory</i> , Rome.

## SUPERVISION EXPERIENCES

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2019-2022	Supervisor for the FELLINI fellowship winner Dave Sutherland as INFN post-doctoral researcher.
2019	Co-supervisor for the Master thesis of Marco Palmiotto, University of Trieste.
2017	Co-supervisor for the Master thesis of Hantian Zhang, University of Zurich.
2014 - Today	Collaboration with (and tutoring of) several PhD students.

## PERSONAL SKILLS AND COMPETENCES

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Mother tongue	Italian
Other languages	Very good English proficiency, good knowledge of Polish.
Computer skills	Good knowledge of Mathematica and related packages. Good knowledge of programming languages C and Python. Basic knowledge of HTML and CSS.