

# MATTEO SORBARA

## PERSONAL DATA

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PLACE AND DATE OF BIRTH: ROME (ITALY) | JANUARY 3<sup>rd</sup> 1994  
ADDRESS: —  
PHONE: —  
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## EDUCATION

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CURRENT	PHD. IN PHYSICS UNIVERSITY OF ROME “TOR VERGATA” MAJOR: PARTICLE PHYSICS ADVISORS: PROF. LUCIO CERRITO, DOTT. GIUSEPPE DI SCIASCIO
AUG. 28 <sup>th</sup> - SEPT. 6 <sup>th</sup> 2019	CERN - FERMILAB HADRON COLLIDER PHYSICS SUMMER SCHOOL CERN, GENEVA, SWITZERLAND <a href="https://indico.cern.ch/event/795313/">https://indico.cern.ch/event/795313/</a>
OCT. 26 <sup>th</sup> 2018	MASTER OF SCIENCE IN PHYSICS UNIVERSITY OF ROME “TOR VERGATA” THESIS: “ANALYSIS OF THE ANOMALOUS PRECESSION FREQUENCY IN THE MUON $g - 2$ (E989) EXPERIMENT AT FERMILAB: THE LOST MUONS CORRECTION” ADVISORS: PROF. ANNALISA D’ANGELO, DR. GIUSEPPE DI SCIASCIO AND DR. GRAZIANO VENANZONI FINAL GRADE: 110/110 CUM LAUDE
MAR. 2018-JUN. 2018	STAGE: LOST MUON STUDIES ON THE MUON $g - 2$ (E989) EXPERIMENT AT FERMILAB INFN SEZIONE ROMA TOR VERGATA AND FNAL MASTER’S DEGREE STAGE
MAY 17 <sup>th</sup> 2017 MAY 15 <sup>th</sup> 2017	THE MU2E ELECTROMAGNETIC CALORIMETER UNIVERSITY OF ROME “TOR VERGATA” AND INFN-LNF MUSE OUTREACH PROGRAM FOR UNIVERSITY STUDENTS
DEC. 15 <sup>th</sup> 2015	BACHELOR OF SCIENCE IN PHYSICS UNIVERSITY OF ROME “TOR VERGATA” THESIS: “THIN ELECTRODES RPCs: OVERVIEW AND LABORATORY TESTS” ADVISORS: PROF. RINALDO SANTONICO AND DR. BARBARA LIBERTI FINAL GRADE: 104/110
JUL. 9 <sup>th</sup> 2012	HIGH SCHOOL SCIENTIFIC DEGREE LICEO SCIENTIFICO “V. VOLTERRA”, CIAMPINO, ROME FINAL GRADE: 83/100

## TEACHING EXPERIENCE

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- OCT. 2018-OCT. 2020 | LAB2GO PROJECT  
INFN PROJECT TO SPREAD PHYSICS EXPERIMENTS IN HIGH SCHOOL LABORATORIES.
- MAR. 2016-JUN. 2017 | LABORATORY ASSISTANT AT UNIVERSITY OF ROME "TOR VERGATA"  
TEACHING ASSISTANT DURING THE COURSE "LABORATORIO DI FISICA 1 AND 2" HELD BY PROF. A. D'ANGELO

## SCHOLARSHIPS AND CERTIFICATES

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- OCT. 2018 AND OCT. 2019 | SCHOLARSHIP FOR THE LAB2GO PROJECT (€500)  
NOV. 2018 | PHD SCHOLARSHIP AT UNIVERSITY OF ROME TOR VERGATA (3 YEARS)  
OCT. 2014 AND OCT. 2016 | FACULTY OF SCIENCE "COLLABORAZIONE PART-TIME" SCHOLARSHIP  
MAR. 2016 | FACULTY OF SCIENCE "INCENTIVAZIONE ALLE IMMATRICOLAZIONI" SCHOLARSHIP (€2,000)  
MAY 19<sup>th</sup> 2016 | (SAIL)BOAT LICENSE

## LANGUAGES

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- ITALIAN: MOTHER TONGUE  
ENGLISH: AVANCED (B2)

## COMPUTER SKILLS

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- BASIC KNOWLEDGE: GEANT4, FORTRAN, PYTHON, BASH  
INTERMEDIATE KNOWLEDGE: C, C++, ROOT, L<sup>A</sup>T<sub>E</sub>X, ARDUINO, EXCEL, WORD, POWERPOINT  
OPERATING SYSTEMS: WINDOWS, LINUX, MACOS

## PUBLICATIONS

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- A. DRIUTTI ET AL. - THE CALIBRATION SYSTEM OF THE MUON G-2 EXPERIMENT,  
<https://doi.org/10.1016/j.nima.2018.10.045>
- A. ANASTASI ET AL. - THE LASER CALIBRATION SYSTEM OF THE MUON G-2 EXPERIMENT AT FERMILAB,  
[JINST 14 P11025](#)
- M. SORBARA - THE THE MUON G-2 EXPERIMENT AT FERMILAB,  
[FRASCATI PHYSICS SERIES VOL. 69 \(2019\) P. 170](#)
- M. SORBARA - THE ENERGY CALIBRATION PROCEDURE OF THE MUON G-2 EXPERIMENT AT FERMILAB,  
[IL NUOVO CIMENTO 42 C \(2019\) 221](#)  
(MENTION FOR "BEST PRESENTATION" IN THE 104TH SIF CONGRESS)
- A. ANASTASI ET AL. - AN APPROACH TO LIGHT DISTRIBUTION FOR THE CALIBRATION OF HIGH ENERGY PHYSICS CALORIMETERS,  
[JINST 15 P09014](#)

## MEMBERSHIPS

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- JAN. 2018 - PRESENT | ISTITUTO NAZIONALE DI FISICA NUCLEARE (INFN)  
DEC. 2017 - PRESENT | MUON  $g - 2$  (E989) COLLABORATION  
MAR. 2015 - PRESENT | ASSOCIAZIONE MUSICALE DIAPASON

## INTERESTS AND ACTIVITIES

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PHYSICS, TECHNOLOGY, ELECTRONICS, PROGRAMMING, ASTRONOMY

PIANO, CHOIR SINGING, OPERA, COOKING, TEA

TRAVELLING, SAILING, ANALOG PHOTOGRAPHY