europass

Matteo Di Giovanni

WORK EXPERIENCE

CURRENT Roma, Italy
POST DOC RESEARCHER LA SAPIENZA UNIVERSITÀ DI ROMA

01/08/2020 – 30/06/2023 L'Aquila, Italy
POST DOC RESEARCHER GRAN SASSO SCIENCE INSTITUTE

My current research activities are in the field of data analysis for gravitational wave sources and detectors. In particular, I am involved in the site characterization activities for the future Einstein Telescope and in a research project to quantify the rate of gravitational waves from close encounters between black holes in star clusters. Recently, I have also entered a new project whose aim is to install a gravitational wave detector on the Moon. All these activities require extensive programming, data analysis and analytical skills.

Other activities:

- PhD Mentoring
- Member of the Scientific organizing committee of the ET site studied and characterization workshop (Nuoro Nov. 8-11/2021)

I am member of the following scientific collaborations:
- LIGO-Virgo-KAGRA
- Einstein Telescope
- Lunar Gravitational Wave Antenna

Link https://www.gssi.it/people/post-doc/post-doc-physics/item/10133-di-giovanni-matteo

15/06/2019 – 14/06/2020 Pisa, Italy
POST DOC RESEARCHER ISTITUTO NAZIONALE DI GEOFISICA E VULCANOLOGIA

My research activity at INGV Pisa consisted in the seismic characterization of the site for the future Einstein Telescope. I also took part in some secondary research projects about earthquakes science.

01/10/2017 – 30/06/2018 Trento, Italy
TUTOR UNIVERSITÀ DEGLI STUDI DI TRENTO

Tutoring activity with undergraduate students

01/04/2016 – 30/05/2017 Trento, Italy
UNIVERSITY TEACHING ASSISTANT UNIVERSITÀ DEGLI STUDI DI TRENTO

University teaching assistant at Bachelor's and Master's courses during my Ph.D. years.

EDUCATION AND TRAINING

31/10/2015 – 16/09/2019
PH.D. IN PHYSICS Università degli Studi di Trento

My Ph.D. provided the basis for my current research activity allowing me to learn most of the skills that is use right now: programming skills, critical thinking, analytical skills, project management and data analysis

skills. During my Ph.D. I also learnt important soft skills such as public relations, public outreach, event planning and organization.

Field of study Physics , Statistics | **Level in EQF** EQF level 8 |

Thesis Thesis: A method for estimating tidal deformability of binary neutron stars in LIGO-Virgo detectors

30/09/2012 – 26/04/2015
M.SC. IN ASTRONOMY AND ASTROPHYSICS Università degli Studi di Roma La Sapienza

During my Master's I have learnt the basics of astronomy and astrophysics and extensive lab courses gave me the opportunity to learn and apply in practice the principles of astronomical optics and to build and test a simple device to observe exoplanets. My thesis was focused con gravitational wave data analysis.

Field of study Physics | **Level in EQF** EQF level 7 |

Thesis Study of the detection efficiency of the search for gravitational waves from isolated neutron star

30/09/2008 – 29/09/2012
B.SC. IN PHYSICS Università degli Studi di Roma La Sapienza

My Bachelor was aimed at providing the knowledge of the roots of fundamental physics and to introduce me to the world of science. It also provided the first important soft skills such as team work in laboratory. My thesis was focused on the cosmological problem of dark energy.

Field of study Physics | **Level in EQF** EQF level 6 | **Thesis** Thesis: The Dark Energy Problem

DIPLOMA DI MATURITÀ CLASSICA Liceo Ginnasio Cornelio Tacito

Level in EQF EQF level 4

ADDITIONAL INFORMATION

VOLUNTEERING

31/12/2017 – 30/12/2018 Università degli Studi di Trento
IPSP Organizing Committee Part of the organizing team of the workshop Industrial Problem Solving with Physics at the University of Trento

Link https://event.unitn.it/ipsp2018/

2009 – CURRENT
Wikipedia contributor

Link https://it.wikipedia.org/wiki/Utente:Digioman

HONOURS AND AWARDS

2016 Breakthrough Prize Awarded ex-aequo to all LIGO-members for the discovery of gravitational waves

2016 Gruber Cosmology Prize – Gruber Foundation Awarded ex-aequo to all LIGO-members for the discovery of gravitational waves