Ettore Majorana, CV (March 2020)

Identity: Born in Catania, Italy, July the 6th 1961, married.

Position: Full professor Sapienza Università di Roma

Present activity: Payload subsystem coordinator, Advanced Virgo detector (Gravitational Waves, Cascina, IT).

Publications: ~320 papers with referee, h-index ~ 65 (to be updated)

Awards: as member of the LIGO-Virgo international collaboration: 1) Breakthrough Prize for GW discovery and coalescing BHs observation; 2) The Gruber Foundation, 2016 Cosmology Prize; 3) Albert Einstein Medal 2017.

ACTIVITY

2020 2March, Full professor, Sapienza Università di Roma
2020 ICRR Inter University Research Program 2020
2019 AdV: O3 run commitment; Payload SubSystem responsible for AdV+ phase-1developments.
2018 Virgo Upgrades towards 3rd Observational Run (O3)
2017 AdV+ vision document board
2015-02/2019 Coordinator of SUSP commissioning of Advanced Virgo detector.
2017 Coordinator of WP2 (GW Physics), EC project H2020-MSCA-RISE-2016 Grant N° 734303, exchange project with US and Japan.
2014-2017 Development and implementation of Advanced Virgo payloads
06/2014 Local Coordinator of Virgo at the Rome Branch of INFN
01/2014 Qualification by MIUR (Univ. and Research Ministry) full professor calls A2/01 (experimental fundamental physics) 23/01/2014-23/01/2020 A2/01
2014-2011 Teaching appointment FIS/07 at Teaching Hospital Umberto I of Sapienza University of Rome.
03/2011-16 Local scientific coordinator (Sapienza Univ. Rome) of WP1 (Cryogenic test mass suspension from ground to the payload), European proj. ELiTES (FP7 M. Curie No.: 295153),exchange project with Japan.
03/2008 Co-chair Monolithic Suspension Virgo+.
11/2006 Coordinator of MSC (Mirror Suspension Control) during Virgo commissioning.
2005 National coordinator of VFC (Vibration-Free Cryostat), (INFN CSN5, R&D) (cryogenics).
2005 Lead Researcher INFN.
1999-2002 Virgo Interferometer, commissioning group (alignment control).
2001 Permanent position as technology researcher by INFN (Pisa, site of Virgo Project).
01/1997 Temporary position as researcher by INFN (Roma), affiliated to the Virgo Project, Gravitational Waves).
10/1996 Temporary position as foreign researcher granted by Univ. of Tokyo (ICRR), works partially at KEK (Tsukuba), mechanical thermal noise.
07/1995 Post-doc (Japan Society for the Promotion of Science), Seismic suspensions of TAMA interferometer, works at National Astronomical Observatory, Mitaka (Tokyo).
03/1995 Scholarship at the Dep. of Physics of the Univ. of Rome Sapienza, affiliated to INFN (Virgo group)
02/1994 Temporary contract at the Dep. of Physics of Siena University
05/1993 Scholarship at the ISS (National Health Institute), Physics laboratory
10/1993 PhD dissertation (Back-Action-Evading and traditional schemes of electromechanical transducers for resonant gravitational-wave antennas)
1988 Master in Physics (Roma Sapienza), (field: experimental astrophysics, topic: stellar evolution).

TEACHING

The commitment in teaching, as researcher of National Institute for Nuclear Physics (INFN), is an authorized voluntary activity. The INFN branch of Rome is located inside the Department of Physics at Sapienza University. In Rome, I was engaged academic courses on Thermodynamics, Experimental gravitation, Lab I,II, research Lab (sub-nuclear and astrophysics) and General Physics at the University Polyclinic. I supervised about 20 theses (master and PhD).