

# Curriculum Vitae: Maria Gerontidou , PhD

## Professional Address

Physics Faculty, Nuclear and Particle Physics Department, National and Kapodistrian University of Athens, Greece

## Contact info

Phone : 0030 - 210 7276-6886

e-mail : [mgeront@phys.uoa.gr](mailto:mgeront@phys.uoa.gr)

Web-page: <http://users.uoa.gr/~mgeront/>

<http://cosray.phys.uoa.gr>

Google Citations.: <https://scholar.google.com/citations?user=0tte5sEAAAAJ>

## Advanced Degrees

- Ph.D.at National and Kapodistrian University of Athens, Greece (2007)  
Subject: Sources and Acceleration mechanism of Solar Proton Events
- M.Sc. in Nuclear and Particle Physics, National and Kapodistrian University of Athens, Greece (1999)
- B. Sc. in Physics, Department of Physics, National and Kapodistrian University of Athens, Greece (1996)

**Area of Scientific Interest:** Cosmic Ray Physics, Solar Energetic Particles, Neutron Monitor data, Ground Level Enhancement, Forbush Effects, Space Weather.

## Research /Academic Positions /Professional Experience

- Tenure Researcher lying laboratory teaching duties at Physics Department of National and Kapodistrian University of Athens, Greece (2009-today)
- Post doctoral Researcher at National and Kapodistrian University of Athens, Greece , State Scholarship Foundation (2008-2009)
- Scientific Collaborator of Nuclear and Particle Physics, National and Kapodistrian University of Athens, Greece (2007-2009)
- Senior member of Athens Cosmic Ray group, Athens Neutron Monitor Station (A.Ne.Mo.S) National and Kapodistrian University of Athens, Greece (2000-today)
- Research Staff in scientific projects (1997-today)
  - Greek Projects (1997-2009)  
*14 research projects in the frame of scientific collaboration between Greek and Foreign Universities and Special Account of Research Funds*
  - European Project FP7 –Infrastructure (2008-2010)

«Neutron Monitor Database (NMDB): Real - Time database for high resolution Neutron Monitor measurements» FP7-Grant Agreement Number 213007,*High-Resolution Neutron Monitor Database*

▪ **European Space Agency (2008-today)**

ESA SWE 'Space weather network Development and Preoperational Part 1-SWESNET' (2021 – today)

ESA SSA – P3-SWE-XXIII User Requirements for the Mediterranean Region”, ESA AO/1-9408/18/D/CT (SWE MED) (2019 - 2021)

ESA SSA P3-SWE-III/ ESC-RAD Space Weather Expert Service Centres, ESA-ESOC, Contr. Number: 40000113187/15/D/MRP. (2017 – 2021)

ESA SSA P2 SWE1 'ESA ITT AO/1-7699/13/D/MRP 'Space Weather Expert Service Centres: Definition and Development'. (2015-2017)

ESA SSA SN-IV3 'Space Weather Precursor Services Operations (SN-IV3) European ionosonde and neutron monitor service” ESA ITT: AO/1-5543/07/NL/NR ( 2013-2015)

«SREM Solar Particle Event Scientific Analysis» European Space Agency (ESA), 2008-2009

- Teaching courses: a) Astroparticle and Cosmic Ray physics (undergraduate level) b) Advanced Cosmic ray Physics (master level) at Physics Department of University of Athens
- Teaching course: Space Weather: Effects on Environment and Human Health (master level) at Medical School of National and Kapodistrian University of Athens.
- Supervising undergraduate thesis (>10)
- Referee for Scientific journals: *Solar Physics, Space Weather, Universe, Fluids*
- Conference Organizing Committee:
  - 1) NMDB Workshop on Data Quality, 11-13 Mar, 2011, Athens
  - 2) NMDB Meeting 05-07 March, 2019
  - 3) SSA – P3-SWE-XXIII User Requirements for the Mediterranean Region” ESA ITT AO/1-9408/18/D/CT (SWE MED) Greek Workshop 23.09.2019
  - 4) NMDB@Athens, Athens / hybrid, 26.–30.09.2022

**Publications**

- 32 refereed scientific publications \_citations /h-index= 881 /15 ([Google scholar](#))
- Guest Editor of Special Issue “ Solar Energetic Particle” Universe, MDPI, [https://www.mdpi.com/journal/universe/special\\_issues/\\_SEP](https://www.mdpi.com/journal/universe/special_issues/_SEP)

**Conference participation**

Participation in >40 conferences

**Languages:** English (Certificate of Proficiency in English\_ECPE, *Michigan Language Assessment*), French (Diplôme d'études supérieures (DES))  
Deutsch (Zertifikat, Goethe Institut )