

Peer Reviewed Papers

1. **M. Gerontidou**, A. Vassilaki, H. Mavromichalaki and V. Kurt : "*Frequency distributions of solar proton events*" Jour. Atmosph. Solar-Terrest. Phys. 64, 489-496, **2002**
2. V. Kurt, A. Belov, H. Mavromichalaki, and **M. Gerontidou**: "*Statistical analysis of solar proton events*" Annales Geophysicae, 22, 2255-2271, **2004**
3. H. Mavromichalaki, G. Souvatzoglou, C. Sarlanis, G. Mariatos, **M. Gerontidou**, A. Papaioannou, C. Plainaki, S. Tatsis, A. Belov, E. Eroshenko, V. Yanke "*The new Athens Center on data processing from the Neutron Monitor Network in real time*", Annales Geophysicae, 23, 3103-3110, **2005**
4. A. Belov, H. Garcia, V. Kurt, H. Mavromichalaki, **M. Gerontidou**: "*Proton enhancements and their relation to x-ray flares during the three last solar cycles*" Solar Physics 229, 1, 135-159, **2005**
5. H. Mavromichalaki, **M. Gerontidou**, G. Mariatos, C. Plainaki, A. Papaioannou, C. Sarlanis, G. Souvatzoglou, A. Belov, E. Eroshenko, V. Yanke and S. Tsitomenas "*Space Weather forecasting at the new Athens Center: The recent extreme events of January 2005*", IEEE TRANSACTIONS for Nuclear Science 52, 6, 2307-2312, **2005**
6. H. Mavromichalaki, G. Souvatzoglou, C. Sarlanis, G. Mariatos, C. Plainaki, **M. Gerontidou**, A. Belov, E. Eroshenko, V. Yanke "*Space weather prediction by cosmic rays*" Adv. Space Res. 37, 1141-1147, **2006**
7. H. Mavromichalaki, C. Plainaki, **M. Gerontidou**, C. Sarlanis, G. Souvatzoglou, G. Mariatos, A. Belov, E. Eroshenko, E. Klepach and V. Yanke: "*GLEs as a Warning Tool for Radiation Effects on Electronics and Systems: A new Alert System based on Real-Time Neutron Monitors*" IEEE TNS 54, 1083-1088, **2007**
8. A. Belov, V. Kurt, H. Mavromichalaki, **M. Gerontidou**: "*Peak Size Distributions of Proton Fluxes and Associated Soft X-ray Flares*", Solar Physics 246, 457-470, **2007**
9. H. Mavromichalaki, **M. Gerontidou**, G. Mariatos, M. Papailiou, A. Papaioannou, C. Plainaki, C. Sarlanis, G. Souvatzoglou "*Athens Neutron Monitor Data Processing Center-ANMODAP Center*", Adv. Space. Res., 44, 1237-1246, **2009**
10. **M. Gerontidou**, H. Mavromichalaki, A. Belov, V. Kurt "*Solar proton enhancements and coronal mass ejections during the last solar cycle*", Advances in Space Research, 43, 687-693, **2009**
11. K. Kudela, H. Mavromichalaki, A. Papaioannou, **M. Gerontidou**: "*On mid term periodicities in cosmic rays*" Solar Physics, 266, 173-180, **2010**
12. H. Mavromichalaki, A. Papaioannou, C. Plainaki, C. Sarlanis, G. Souvatzoglou, **M. Gerontidou**, M. Papailiou, E. Eroshenko, A. Belov, V. Yanke, E. O. Flückiger, R. Bütikofer, M. Parisi, M. Storini, K – L. Klein, N. Fuller, C. T. Steigies, O. M. Rother, B. Heber, R. F. Wimmer – Schweingruber, K. Kudela, I. Strharsky, R. Langer, I. Usoskin, A. Ibragimov, A. Chilingaryan, G. Hovsepyan, A. Reymers, A. Yeghikyan, O. Kryakunova, E. Dryn, N. Nikolayevskiy, L. Dorman, L. Pustil'nik: "*Applications and usage of the Real – time Neutron Monitor database*", Advances in Space Research, 47, 2210-2222, **2011**

13. A. Papaioannou, H. Mavromichalaki, **M. Gerontidou**, G. Souvatzoglou, P. Nieminen and A. Glover: "Solar particle event analysis using the standard radiation environment monitors: Applying the Neutron Monitor's experience", *Astrophys. Space Sci. Trans.*, 7, 1-5, **2011**
14. P. Paschalis, H. Mavromichalaki, V. Yanke, A. Belov, E. Eroshenko, **M. Gerontidou**, I. Koutroumpi: "Online application for the barometric coefficient calculation of the NMDB stations", *New Astronomy*, 19, 10-18, **2013**
15. A. Papaioannou, G. Souvatzoglou, P. Paschalis, **M. Gerontidou**, H. Mavromichalaki: 'The first ground level enhancement of solar cycle 24 on 17 May 2012 and its real-time detection', *Solar Physics*, doi 10.1007/s11207-013-0336-2, 289, 423-436, **2014**
16. Christina Plainaki, Helen Mavromichalaki, Monica Laurenza, **Maria Gerontidou**, Anastasios Kanellakopoulos, Marisa Storini: 'The Ground Level Enhancement of 2012 May 17: Derivation of solar proton event properties through the application of the NMBANGLE PPOLA model', *The Astrophysical Journal*, 785:160, **2014**.
17. H. Mavromichalaki, Ch. Papageorgiou, **M. Gerontidou**: "Solar cycle and 27-day variations of diurnal anisotropy of cosmic rays during the solar cycle 24", *Astrophysics and Space Science*, Space Science, 361, 69-77, DOI: 10.1007/s10509-016-2661-z, **2016**
18. **Gerontidou, M.**, Mavromichalaki, H. & Daglis, T.: "High-Speed Solar Wind Streams and Geomagnetic Storms During Solar Cycle 24", *Solar Phys.* 293, 131, **2018**, <https://doi.org/10.1007/s11207-018-1348-8>
19. H. Mavromichalaki, **M. Gerontidou**, P. Paschalis, E. Paouris, A. Tezari, C. Sgouropoulos, N. Crosby, M. Dierckxsens: "Real-Time Detection of the Ground Level Enhancement on 10 September 2017 by A.Ne.Mo.S.: System Report", *Space Weather*, 16, 1797–1805, **2018** , <https://doi.org/10.1029/2018SW001992>
20. Tsichla, M., **Gerontidou, M.** and Mavromichalaki, H.: "Spectral Analysis of Solar and Geomagnetic Parameters in Relation to Cosmic-ray Intensity for the Time Period 1965 – 2018", *Solar Phys.* 294, 15, **2019** , <https://doi.org/10.1007/s11207-019-1403-0>
21. J.Christodoulakis, C.A. Varotsos, H. Mavromichalaki, M.N. Efstathiou and **M.Gerontidou**: "On the link between atmospheric cloud parameters and cosmic rays", *Journal of Atmosph. Solar-Terrest. Phys.* 189, 98-106, **2019** <https://doi.org/10.1016/j.jastp.2019.04.012>
22. **M Gerontidou**, N Katzourakis, H Mavromichalaki, V. Yanke, E. Eroshenko "World grid of cosmic ray vertical cut-off rigidity for the last decade" *Advances in Space Research*, 67, issue 7, 2231-2240, **2021** , <https://doi.org/10.1016/j.asr.2021.01.011>
23. Helen Mavromichalaki, Maria-Christina Papailiou, **Maria Gerontidou**, Svetla Dimitrova, Karel Kudela: "Human physiological parameters related to solar and geomagnetic disturbances: data from different geographic regions" *Atmosphere* 12(12), 1613, **2021**, <https://doi.org/10.3390/atmos12121613>
24. Anastasia Tezari, Pavlos Paschalis, Argyris Stassinakis, Helen Mavromichalaki, Pantelis Karaiskos, **Maria Gerontidou**, Dimitris Alexandridis, Anastasios Kanellakopoulos, Norma Crosby, Mark Dierckxsens "Radiation exposure in the lower atmosphere during different periods of solar activity" , *Atmosphere* 13(2), 166-176 ,**2022**, <https://doi.org/10.3390/atmos1302016>

25. Panagiota Makrantonis, Anastasia Tezari, Argyris N Stassinakis, Pavlos Paschalis, **Maria Gerontidou**, Pantelis Karaiskos, Alexandros G Georgakilas, Helen Mavromichalaki, Ilya G Usoskin, Norma Crosby, Mark Dierckxsens “ *Estimation of Cosmic-Ray-Induced Atmospheric Ionization and Radiation at Commercial Aviation Flight Altitudes*” , Appl. Sci. 12(11), 5297, **2022**, <https://doi.org/10.3390/app12115297>
26. L. Xaplanteris, **M. Gerontidou**, H. Mavromichalaki, J.V. Rodriguez, M. Livada, M.K. Georgoulis, T.E. Sarris, V. Spanos, L Dorman
“*First Application of a Theoretically Derived Coupling Function in Cosmic-Ray Intensity for the Case of the 10 September 2017 Ground-Level Enhancement (GLE 72)*” , Solar Phys. 297, 73, **2022**, <https://doi.org/10.1007/s11207-022-02009-1>
27. Helen Mavromichalaki, Pavlos Paschalis, **Maria Gerontidou**, Maria-Christina Papailiou, Evangelos Paouris, Anastasia Tezari, Dimitra Lingri, Maria Livada, Argyris N Stassinakis, Norma Crosby, Mark Dierckxsens : “*The updated version of the A. Ne. Mo. S. GLE alert system: the case of the ground-level enhancement GLE73 on 28 October 2021*” , Universe 8(7), 378-390, **2022**, <https://doi.org/10.3390/universe8070378>

Δ. Αρθρα σε Πρακτικά Συνεδρίων (με κριτές)
(2001-2022)

- Δ1.** **M. Gerontidou**, A. Vassilaki, H. Mavromichalaki and V. Kurt: "Frequency distributions of solar proton events", ASI Space Storms and Weather Hazards (Crete) 57, 2000 (Abstract)
- Δ2.** V. Kurt, A. Belov, H. Mavromichalaki and **M. Gerontidou**: "How cosmic rays influence on cosmic ray weather", EGU XXVI General Assembly (Nice), ST017, 2001 (Abstract)
- Δ3.** Belov, V. Kurt, **M. Gerontidou** and H. Mavromichalaki: "Statistical analysis of solar proton events in different energy channels", Proc. 27th ICRC 2001 (Hamburg) 8, 3465-3468, 2001
- Δ4.** H. Mavromichalaki, C. Sarlanis, G. Souvatzoglou, J. Tsagouri, **M. Gerontidou**, I. Zouganelis and S. Tatsis: "Intense cosmic ray effects in total Neutron Monitor counting rate recorded by the super NM 64 of the University of Athens during March-April 2001, Proc. 5th Hellenic Astronomical Conf. (Fodele) 42-44, 2001
- Δ5.** Ε. Μαυρομιχαλάκη, Γ. Σουβατζόγλου, Σ. Σαρλάνης, **M. Γεροντίδου**, Ι. Τσαγγούρη, Ι. Ζουγανέλης, Σ. Τάτσης: "Μελέτη έντονων γεγονότων της Γαλαξιακής Κοσμικής ακτινοβολίας κατά την Άνοιξη 2001 με δεδομένα του σταθμού της Αθήνας και του Παγκοσμίου Δικτύου", Πρακτικά 9^{ου} Πανελληνίου Συνεδρίου Φυσικής (Χίος) σελ. 5, 2001
- Δ6.** V. Kurt, H. Mavromichalaki and **M. Gerontidou**: "Energy dependence of the solar proton events at 1 AU", Euroconference and IAU Colloquium 188, Magnetic coupling of the solar atmosphere (Santorini) , ESA SP-505, 473-476, 2002.
- Δ7.** H. Mavromichalaki, C. Sarlanis, G. Souvatzoglou, S. Tatsis, **M. Gerontidou**, C. Plainaki, A. Belov, E. Eroshenko, and V. C. Yanke: "Forecasting of Solar flare particle events using the Neutron Monitor network in real time" 6th Hellenic Astron. Conf. (Penteli) 2003
- Δ8.** C. Sarlanis, G. Souvatzoglou, X. Moussas, H. Mavromichalaki, S. Tatsis and **M. Gerontidou** : "High time resolution measurements of the Nucleonic Component of Cosmic rays with the University of Athens neutron monitor station", 6th Hellenic Astron. Conf. (Penteli) 339, 2003 (Abstract)
- Δ9.** C. Caroubalos, X. Moussas, P. Preka-Papadema, A. Hillaris, I. Polygiannakis, **H. Mavromichalaki**, C. Sarlanis, G. Souvatzoglou, **M. Gerontidou**, C. Plainaki, S. Tatsis, S.N. Kuznetsov, I.N. Myagkova, K. Kudela: "Space storm Measurements of 17 and 21 April 2002 forrush effects from Artemis-IV solar radio-spectrograph, Athens neutron monitor station and roronas-F satellite", 6th Hellenic Astron. Conf. (Penteli) 81, 2003 (Abstract).
- Δ10.** Γ. Σουβατζόγλου, Χ. Σαρλάνης, Γ. Μαριάτος, Ε. Μαυρομιχαλάκη, Χ. Πλαϊνάκη, **M. Γεροντίδου**, Σ. Τάτσης, Α. Belov, E. Eroshenko, and V. Yanke: "Το Παγκόσμιο Δίκτυο μετρητών Νετρονίων «Πραγματικού χρόνου» του Πανεπιστημίου Αθηνών και οι εφαρμογές του», 10^ο Πανελλήνιο Συνέδριο Φυσικής (Λουτράκι) 2004
- Δ11.** Ε. Μαυρομιχαλάκη, Χ. Πλαϊνάκη, **M. Γεροντίδου**, Γ. Σουβατζόγλου, Χ. Σαρλάνης, Γ. Μαριάτος, Σ. Τάτσης, Α. Belov, E. Eroshenko, and V. Yanke "Γεωμαγνητικά γεγονότα στην κοσμική ακτινοβολία του Μετρητή Νετρονίων της Αθήνας κατά την περίοδο 2000-2003", 10^ο Πανελλήνιο Συνέδριο Φυσικής (Λουτράκι) 43-47, 2004
- Δ12.** Κ. Καρούμπαλος, Ξ. Μουσάς, Ε. Μαυρομιχαλάκη, Π. Πρέκα-Παπαδήμα, Γ. Σουβατζόγλου, Χ. Σαρλάνης, Α. Χείλαρης, Α. Κοντογεώργος, Π. Τσιτσιπής, Ι. Πολυγιαννάκης, Χ. Πλαϊνάκη, **M.**

- Γεροντίδου**, Κ. Αλυσανδράκης, Σ. Τάτσης, J.I. Bougeret, G. Doumas : "Ηλιακή, Διαπλανητική και Γεωμαγνητική καταιγίδα της 28^{ης} Οκτωβρίου 2003: Παρατηρήσεις ηλιακών ραδιοεξάρσεων και επακόλουθων γεγονότων Forbush από τον ηλιακό ραδιοφασματογράφο ARTEMIS-IV και το Μετρητή Νετρονίων του Πανεπιστημίου Αθηνών», 10^ο Πανελλήνιο Συνέδριο Φυσικής (Λουτράκι) 51-54, 2004
- Δ13.** H. Mavromichalaki, C. Sarlanis, G. Souvatzoglou, G. Mariatos, **M. Gerontidou**, C. Plainaki, A. Papaioannou, and S. Tatsis: "The new Athens Center applied to Space Weather forecasting", Proc. 7th Hellenic Astron. Conf. (Kefallonia) AIP 848, 837-846, 2006
- Δ14.** **M. Gerontidou**, A. Belov, H. Garcia, H. Mavromichalaki and V. Kurt "Prospects of Space Weather Prediction based on Solar Proton Events" Proc. 7th Hellenic Astron. Conf. (Kefallonia) AIP 848, 253-257, 2006
- Δ15.** Papaioannou, **M. Gerontidou**, G. Mariatos, H. Mavromichalaki, C Plainaki: "Unusually extreme cosmic ray events in July 2005", Online Proc. of Second European Space Weather Week, ESA, The Netherland. (<http://esa-spaceweather.net/spweather/workshops/eswwII/>)
- Δ16.** Παπαϊωάννου, **M. Γεροντίδου**, Γ. Μαριάτος, Ε. Μαυρομιχαλάκη, Χ.Πλαϊνάκη:"Ασυνήθιστες Μεταβολές της έντασης της κοσμικής ακτινοβολίας τον Ιούλιο του 2005" CD – Πρακτικών, 11ο Πανελλήνιο Συνέδριο Φυσικής (Λάρισα), 2006
- Δ17.** H. Mavromichalaki, C. Plainaki, **M. Gerontidou**, C.Sarlanis, G. Souvatzoglou, G. Mariatos, A. Belov, E. Eroshenko, E. Klepach and V.Yanke: "GLEs as a Warning Tool for Radiation Effects on Electronics and Systems: A new Alert System based on Real-Time Neutron Monitors" , Proc. RADECS 2006 Workshop, 258-261, 2006
- Δ18.** Α. Παπαϊωάννου, Χ. Πλαϊνάκη, Μ. Παπαηλιού, **M. Γεροντίδου**, Ε. Μαυρομιχαλάκη: "Επίδραση Κοσμικών Ακτινοβολιών στο Διαστημικό Περιβάλλον", Πρακτικά 10^{ου} Κοινού Συνεδρίου Ελλήνων και Κυπρίων Φυσικών, 208-221, 2007
- Δ19.** H. Mavromichalaki, **M. Gerontidou**, G. Mariatos, M. Papailiou, A. Papaioannou, C. , Plainaki, C. Sarlanis, G. Souvatzoglou: "Athens Neutron Monitor Data Processing Center-ANMODAP Center, Proc. 30th ICRC (Merida) 2007
- Δ20.** H. Mavromichalaki, **M. Gerontidou**, C. Plainaki, A. Papaioannou, G. Mariatos, M.Papailiou, C. Sarlanis, G. Souvatzoglou: "Real-time cosmic ray monitoring and analysis of GLE70 from the Athens Neutron Monitor Data Processing Center", Proc. 8th Hellenic Astron. Conference (Thasos) S1.P18, 72, 200 (<http://www.ee.duth.gr/hac/announcements/BookOfAbstracts.pdf>)
- Δ21.** **M. Gerontidou**, H. Mavromichalaki, A. Belov, V. Kurt: "Solar proton enhancements and coronal mass ejections during the last solar cycle", Proc. Inter. Symp. Solar Extreme Events 2007 (Athens), 268-274, 2007
- Δ22.** K. Kudela, H. Mavromichalaki, **M. Gerontidou**, A. Papaioannou for the NMDB team "On mid – term periodicities in cosmic rays: utilizing the NMDB archive", Proc. 31st Inter. Cosmic Ray Conf. (Lodz), icrc1126, 2009
- Δ23.** H. Mavromichalaki, A. Papaioannou, **M. Gerontidou**, I. Daglis, A. Anastasiadis, I. Sandberg, K. Tziotziou, P. Nieminen, A. Glover, P. Buchler: "Solar Particle Event Analysis using the ESA Standard Radiation Environment Monitor and the Worldwide Neutron Monitor Network", Proc. 31st Inter. Cosmic Ray Conf. (Lodz), icrc0611, 2009

- Δ24.** H. Mavromichalaki, A. Papaioannou and **M. Gerontidou**, I. Sandberg, K. Tziotziou, A. Anastasiadis, I.A. Daglis, and I. Panagopoulos, P. Niemnen, A. Glover: "Solar Particle Event Analysis using the Worldwide Neutron Monitor Network and the Standard Radiation Environment Monitor (SREM) of ESA", Modern Challenges in Nonlinear Plasma Physics A Conference Honoring the Career of Dennis Papadopoulos (Chalkidiki), 72, 2009 (Abstract)
- Δ25.** Sandberg, K. Tziotziou, A. Anastasiadis, I.A. Daglis, I. Panagopoulos, H. Mavromichalaki, A. Papaioannou, **M. Gerontidou**, P. Niemnen, and A. Glover: "Solar particle event analysis using the standard radiation environment monitor of ESA", Modern Challenges in Nonlinear Plasma Physics A Conference Honoring the Career of Dennis Papadopoulos (Chalkidiki), 69, 2009 (Abstract)
- Δ26.** **M. Gerontidou**, H. Mavromichalaki, E. Asvestari, M. Papailiou, A. Belov, V. Kurt: "Variations of the CMEs properties during the different phases of the solar cycle 23", Proc. Intern. Conf. Balkan Phys. Union, AIP 115-120, 2009
- Δ27.** **M. Gerontidou**, H. Mavromichalaki, E. Asvestari E., A. Belov, V.Kurt: "Fluctuations of CMEs characteristics during the declining phase of the last solar cycle" , 9th Hellenic Astron. Conference (Athens), 43, 2009
ASP Conference Series (Eds. K. Tsiganos et al.), 424, 37-38, 2009
- Δ28.** H. Mavromichalaki, **M. Gerontidou**, G. Mariatos, M. Papailiou, A. Papaioannou, C. Plainaki, C. Sarlanis, G. Souvatzoglou for the NMDB team : "Establishing and Using the real-time Neutron Monitor Database (NMDB), Proc. 9th Hellenic Astron. Union Conference, Athens 2009, ASP Conf. Series 424, 75-80, 2010.
- Δ29.** K. Tziotziou, I. Sandberg, A. Anastasiadis, I. Daglis, I. Panagopoulos, H. Mavromichalaki, A. Papaioannou, **M. Gerontidou**, P. Nieminen, A. Glover : "Solar origin of solar particle events detected by the Standard Radiation Environment Monitor of ESA"
a) 9th Hellenic Astron. Union Conference (Athens), 53, 2009
b) ESA Space Weather Week (Brugge), Section 5, 2009
- Δ30.** Papaioannou, H. Mavromichalaki, **M. Gerontidou**, G. Souvatzoglou, P. Nieminen and A. Glover: "Solar particle event analysis using the standard radiation environment monitors: Applying the Neutron Monitor's experience", ECRS 2010, Turku, 1.50, 78, 2010
- Δ31.** **M. Gerontidou**, H. Mavromichalaki, E. Asvestari, A. Belov, and V. Kurt "Proton event's production in relation to the associated coronal mass ejections" ECRS 2010, Turku, 1.32, 60, 2010
- Δ32.** V.Yanke, A. Belov, E. Klepach, H. Sarlanis, N. Nikolaevsky, H. Mavromichalaki, **M. Gerontidou**, E. Eroshenko, O. Kryakunova: "Primary Processing of Multichannel Cosmic Ray Detectors" 32nd ICRC conference (Beijing), icrc0599, 2011
- Δ33.** P. Komelev, A. Belov, H. Mavromichalaki, **M. Gerontidou**, V. Yanke "Variations of Barometric coefficients of Nucleonic component in the 22-23 cycles of solar activity", 32nd ICRC conference (Beijing), icrc0654, 2011
- Δ34.** Παπαϊωάννου, **M. Γερωντίδου**, Π. Πασχάλης, Μ. Abunina, A. Belov, E. Μαυρομιχαλάκη: "Κέντρο πρόγνωσης γεωμαγνητικών διαταραχών στο Γεωδιάστημα", 14^ο Πανελλήνιο Συνέδριο ΕΕΦ (Καμένα Βούρλα), 88, Μάρτιος 2012

- Δ35.** P Paschalis, H Mavromichalaki, V Yanke, A Belov, E Eroshenko, **M Gerontidou** and I Koutroumpi: ‘An online application for the barometric coefficient calculation of NMDB stations’, Proc. 23rd ECRS (Moscow, 3-7 July 2012), ecrs_sh_519, Journal of Physics: Conference Series 409 (2013) 012179 [doi:10.1088/1742-6596/409/1/012179](https://doi.org/10.1088/1742-6596/409/1/012179)
- Δ36.** H. Mavromichalaki, A. Papaioannou, **M. Gerontidou**, M. Papailiou, C. Plainaki, A. Belov, E. Eroshenko, A. Abunin, M. Abunina, V. Yanke: ‘Cosmic ray events in the beginning of 2012’, Proc. 23rd ECRS (Moscow, 3-7 July 2012), ecrs_sh-677, Journal of Physics: Conference Series 409 (2013) 012206, [doi:10.1088/1742-6596/409/1/012206](https://doi.org/10.1088/1742-6596/409/1/012206)
- Δ37.** M. Abunina, A. Papaioannou, **M. Gerontidou**, P. Paschalis, A. Abunin, S. Gaidash, I. Tsepakina, A. Malimbayev, A. Belov, H. Mavromichalaki, O. Kryakunova, P. Velinov: ‘Forecasting Geomagnetic Conditions in near-Earth space’, Proc. 23rd ECRS (Moscow, 3-7 July 2012), ecrs_sh_622 Journal of Physics: Conference Series 409 (2013) 012197, [doi:10.1088/1742-596/409/1/012197](https://doi.org/10.1088/1742-596/409/1/012197)
- Δ38.** Papaioannou, H. Mavromichalaki, G. Souvatzoglou, P. Paschalis, C. Sarlanis, J. Dimitroulakos and **M. Gerontidou**: ‘Space Environment Forecasting with Neutron Monitors: Establishing a novel service for the ESA SSA Program’, EGU Geophys. Res. Abstracts, 15, EGU2013-11784, 2013, EGU General Assembly 2013
- Δ39.** H. Mavromichalaki, A. Papaioannou, G. Souvatzoglou, J. Dimitroulakos, P. Paschalis, **M. Gerontidou** and E. Paouris: ‘Implementing the European Neutron Monitor Service for the ESA SSA Program’ Proc. 11th HELLAS 2013, Athens http://www.hellas.gr/conf/2013/posters/S_1/mavromichalaki_5.pdf
- Δ40.** S. Petris, M-I. Chrysafeli, A. Papaioannou, **M. Gerontidou**, H. Mavromichalaki, A. Belov, E. Eroshenko, V. Yanke: ‘An Overview of the ground level enhancement of cosmic rays on May 17, 2012’, Proc. 11th HELLAS2013, Athens http://www.hellas.gr/conf/2013/posters/S_1/mavromichalaki_3.pdf
- Δ41.** **M. Gerontidou**, H. Mavromichalaki, C. Plainaki, M. Laurenza, M. Storini, A. Belov, E. Eroshenko, V. Yanke: ‘The first solar proton event of the current solar cycle recorded by satellites and ground based detectors’ Proc. 11th HELLAS 2013, Athens http://www.hellas.gr/conf/2013/posters/S_1/gerontidou.pdf
- Δ42.** E. Paouris, **M. Gerontidou**, H. Mavromichalaki: ‘Using the CME-index for short-term estimation of Ap geomagnetic index’ Proc. 11th HELLAS 2013, Athens http://www.hellas.gr/conf/2013/talks/S_1/paouris_paper.pdf
- Δ43.** Christina Plainaki, Helen Mavromichalaki, Monica Laurenza, Anastasios Kanellakopoulos, **Maria Gerontidou**, Marisa Storini, Anatoly Belov, Eugenia Eroshenko, Victor Yanke: ‘The NMBANGLE PPOLA as a spaceweather-modeling tool: Application to the GLE71 on 2012 May 17’, European Space Weather week 10, Antwerp (18-22 November 2013), 150 http://www.stce.be/esww10/ESWW10_Abstractbook.pdf
- Δ44.** **M. Gerontidou**, E. Paouris, P. Paschalis, A. Papaioannou, H. Mavromichalaki: ‘Geomagnetic Conditions Forecasting Using Solar Activity Parameters’, European Space Weather week 10,

(http://www.stce.be/esww10/ESWW10_Abstractbook.pdf)

- Δ45.** H. Mavromichalaki, A. Papaioannou, **M. Gerontidou**, M. Papailiou. C. Plainaki, A. Belov, E. Eroshenko, A. Abunin, M. Abunina, V. Yanke “Cosmic ray events in the beginning of 2012’, *Journal of Physics* 409, 012206, 2013, DOI:10.1088/1742-6596/409/1/012206
- Δ46.** M. Abunina, A. Papaioannou, **M. Gerontidou**, P. Paschalis, A. Abunin, S. Gaidash, I. Tsepakina, A. Malimbayev, A. Belov, H. Mavromichalaki, O. Kryakunova, P. Velinov: ‘Forecasting Geomagnetic Conditions in near-Earth space’, *Journal of Physics* 409, 012197, 2013
<https://doi:10.1088/1742-596/409/1/012197>
- Δ47.** Mavromichalaki, Helen, Papaioannou, Athanasios, Souvatzoglou, George, Dimitroulakos, John, Paschalis, Pavlos, **Gerontidou, Maria**, Sarlanis Christos: ‘Establishing a Space Weather Service based upon Neutron Monitors for the ESA SSA Program’, *European Space Weather week 10*, Antwerp (18-22 November 2013), 83
http://www.stce.be/esww10/ESWW10_Abstractbook.pdf
- Δ48.** Anastasios Kanellakopoulos, Christina Plainaki, Helen Mavromichalaki, Monica Laurenza, **Maria Gerontidou**, Marisa Storini, Maria Andriopoulou: ‘Relevance of near-Earth magnetic field modeling in deriving SEP properties using ground-based data’, *Geophysical Research Abstracts*, 16, EGU2014-461, 2014, EGU General Assembly 2014
<http://meetingorganizer.copernicus.org/EGU2014/EGU2014-461.pdf>
- Δ49.** Christina Plainaki, Monica Laurenza, Helen Mavromichalaki, Marisa Storini, **Maria Gerontidou**, and Anastasios Kanellakopoulos: ‘Deriving the properties of relativistic SEPs by using neutron monitor data’, *Geophysical Research Abstracts*, 16, EGU2014-2201, 2014 EGU General Assembly 2014
<http://meetingorganizer.copernicus.org/EGU2014/EGU2014-2201.pdf>
- Δ50.** C. Plainaki, M. Laurenza, H. Mavromichalaki, M. Storini, **M. Gerontidou**, A. Kanellakopoulos, M. Andriopoulou, A. Belov, E. Eroshenko, V. Yanke: ‘Derivation of relativistic SEP properties through neutron monitor data modeling’ *ECRS 2014*, Kiel (1-5 September 2014), *Phys.: Conf. Ser.* 632, 012076, 2015
- Δ51.** H. Mavromichalaki, **M. Gerontidou**, P. Paschalis, A. Papaioannou, E. Paouris, G. Souvatzoglou: ‘Research applications of the Athens Neutron Monitor Station’, *ECRS 2014*, Kiel (1-5 September 2014) S1 457, 62 *J. Phys.: Conf. Ser.* 632, 012071, 2015
- Δ52.** H. Mavromichalaki, A. Kanellakopoulos, C. Plainaki, M. Laurenza, **M. Gerontidou**, M. Storini, M. Andriopoulou: “GLE60 & GLE71 Modeling and SEP Properties using Different Magnetospheric Models and Ground-Based Data”, *ESWW11*, Liege, (17-21 November 2014), Session - Solar Energetic Particle Events: from forecast to radiation impact
- Δ53.** M. Laurenza, F. Berrilli, D. Del Moro, V. Di Felice, **M. Gerontidou**, A. Kanellakopoulos, M. Martucci, H. Mavromichalaki, M. Mergè, L. Narici, C. Plainaki, R. Sparvoli, M. Storini: ‘Multiplatform Observations of the Earth’s Particle Radiation Environment during the 17 May 2012 SEP Event’, *ESWW11*, Liege, (17-21 November 2014) Session - Solar Energetic Particle Events: from forecast to radiation impact

- Δ54.** J. Platanos, **M. Gerontidou**, P. Paschalis, H. Mavromichalaki: “Long term variation of the Barometric Coefficient of the neutron component of cosmic rays”, Proc. 12th HELAS Conference 2015 (Thessaloniki, July 2015)
- Δ55.** H. Mavromichalaki, **M. Gerontidou**, E. Paouris, P. Paschalis, D. Lingri, A. Laoutaris, A. Kanellakopoulos: “The extended geomagnetic storm of March 17, 2015”, Proc. 12th HELAS Conference 2015 (Thessaloniki, July 2015)
- Δ56.** **M. Gerontidou**, J. Platanos, P. Paschalis, H. Mavromichalaki: “Pressure correction of the Neutron Monitor data during the last solar cycle”, ESWW12, Ostende (23-27 Nov. 2015), S15 / P15
- Δ57.** H. Mavromichalaki, **M. Gerontidou**, P. Paschalis, E. Paouris: “The role of UoA as expert group of the ESA/SSA P2-SWE-1 program”, ESWW12, Ostende (23-27 Nov. 2015), S3/ P3
- Δ58.** H. Mavromichalaki, **M. Gerontidou**, E. Paouris, A. Belov, E. Eroshenko, V. Yanke, D. Lingri, A. Laoutaris, A. Kanellakopoulos, A. Abunin, M. Abunina: “A study of the polar and middle latitude neutron monitors during the extended geomagnetic storm of March 17, 2015”, ESWW12, Ostende (23-27 Nov. 2015), S15 / P14
- Δ59.** E. Paouris, **M. Gerontidou** and H. Mavromichalaki: “The geomagnetic storms of 2015: Statistical analysis and forecasting results”, EGU General Assembly, Geophys. Res. Abstr.18, EGU2016-11753, 2016
- Δ60.** P. Paschalis, A. Tezari, **M. Gerontidou**, H. Mavromichalaki, P. Nikolopoulou: ‘Space Radiation Exposure calculations during extreme solar and cosmic ray activities’, 24th European Cosmic ray Symposium 2016, Turin (4-9 September 2016), SH 88
- Δ61.** H. Mavromichalaki, **M. Gerontidou**, P. Paschalis, E. Paouris; ‘Facilities of Athens neutron Monitor Station to Space Weather’, 24th European Cosmic ray Symposium 2016, Turin (4-9 September 2016), SH 102, arXiv preprint *arXiv:1612.08343*
- Δ62.** E. Paouris, H. Mavromichalaki, **M. Gerontidou**, Th. Kolydas, I. Kouroutzoglou: “Contribution of the geomagnetic activity monitoring by the Athens Space Weather Forecasting Center to the Hellenic National Meteorological Service”, ESWW13 Ostende (14-18 November 2016) Abstract
- Δ63.** H. Mavromichalaki, **M. Gerontidou**, P. Paschalis, E. Paouris: ‘The ANeMoS federated products to the SSA Space Radiation Expert Service Centre (R-ESC)’, ESWW13 Ostende (14-18 November 2016) Abstract
- Δ64.** A Tezari, P Paschalis, **M Gerontidou**, H Mavromichalaki, P. Karaiskos: “Radiation exposure of aircrews due to Space Radiation”, HNPS Advances in Nuclear Physics 26, 210-213, 2018
- Δ65.** Mavromichalaki, H., Paschalis, P., Tezari A., Paouris, E., Lingri, D., Stassinakis, A., Crosby, N., Dierckxens **M., Gerontidou**: “The first Ground Level Enhancement (GLE 73) of the solar cycle 25”, 44th COSPAR Scientific Assembly. Held 16-24 July, 2022. Online at <https://www.cosparathens2022.org/>. Abstract D1.1-0024-22.
- Δ66.** Anastasia Tezari, Helen Mavromichalaki, **Maria Gerontidou**, Mark Dierckxsens, Christina Plainaki, Pavlos Paschalis, Norma Crosby, Argyris Stassinakis, Pantelis Karaiskos, Anastasios Kanellakopoulos: “Estimation of the radiation exposure in the atmospheres of Earth, Venus and Mars with the software DYASTIMA” - 44th COSPAR Scientific Assembly. Held 16-24 July, 2022 (Abstract)

Δ67. Helen Mavromichalaki, **Maria Gerontidou**, Mark Dierckxsens, Evangelos Paouris, Anastasia Tezari, Pavlos Paschalis, Dimitra Lingri, Argyris Stassinakis, Norma Crosby :”The first Ground Level Enhancement (GLE73) of the Solar Cycle 25 “, 44th COSPAR Scientific Assembly. Held 16-24 July 44, 2709, 2022 (Abstract)