

**CURRICULUM VITAE ET STUDIORUM REDATTO AI SENSI DEGLI ARTT.
46 E 47 DEL D.P.R. 28.12.2000, N. 445**

Il sottoscritto STABILE ARTURO nato a [REDACTED] codice fiscale [REDACTED] e residente a [REDACTED] consapevole della responsabilità penale prevista, dall'art. 76 del D.P.R. 445/2000, per le ipotesi di falsità in atti e dichiarazioni mendaci ivi indicate

DICHIARA

che le informazioni sotto riportate sono veritiere.

PUBBLICAZIONI SU RIVISTE INTERNAZIONALI CON REFEREE

1. *Virial Theorem in Scalar Tensor Fourth Order Gravity* – A. Capolupo, G. Lambiase, A. Stabile, An. Stabile – Eur. Phys. J. C. **81**, 650 (2021)
2. *Photon frequency shift in curvature-based Extended Theories of Gravity* – S. Capozziello, G. Lambiase, A. Stabile, An. Stabile – Eur. Phys. J. Plus **136**, 344 (2021)
3. *Casimir effect in Extended Theories of Gravity* – G. Lambiase, A. Stabile, An. Stabile - Physical Review D **95**, 084019 (2017)
4. *Astrophysical Constraints on Extended Gravity Models* - G. Lambiase, M. Sakellariadou, A. Stabile, An. Stabile – JCAP **07** (2015) 003
5. *Gravitational Waves in Fourth Order Gravity* – S. Capozziello, A. Stabile – Astrophys Space Sci **358**, 27 (2015)
6. *Numerical Analysis of Galactic Rotation Curves* – G. Scelza, A. Stabile – Astrophys Space Sci **357**, 44 (2015)
7. *Constraining Models of Extended Gravity Using Gravity Probe B and LARES Experiments* – S. Capozziello, G. Lambiase, M. Sakellariadou, A. Stabile, An. Stabile - Physical Review D **91**, 044012 (2015)
8. *Open Cell Conducting Foams for High Synchrotron Radiation Accelerators* – S. Petracca, A. Stabile - Physical Review STAB **17**, 083503 (2014)
9. *Conformal Transformations and Weak Field Limit of Scalar-Tensor Gravity* – A. Stabile, An. Stabile, S. Capozziello - Physical Review D **88**, 124011 (2013)
10. *Galaxy rotation curves in $f(R, \phi)$ Gravity* – A. Stabile, S. Capozziello – Physical Review D **87**, 064002 (2013)
11. *Weak Gravitational Lensing in Fourth Order Gravity* – A. Stabile, An. Stabile – Physical Review D **85**, 044014 (2012)
12. *Rotation Curves of Galaxies by Fourth Order Gravity* – A. Stabile, G. Scelza – Physical Review D **84**, 124023 (2011)
13. *Hydrostatic Equilibrium and Stellar Structure in $f(R)$ -Gravity* – S. Capozziello, M. De Laurentis, S. D. Odintsov, A. Stabile – Physical Review D **83**, 064004 (2011)
14. *Most General Fourth Order Theory of Gravity at Low Energy* – A. Stabile – Physical Review D **82**, 124026 (2010)
15. *The Post-Newtonian Limit of $f(R)$ -Gravity in the Harmonic Gauge* – A. Stabile – Physical Review D **82**, 064021 (2010)
16. *Axially Symmetric Solutions in $f(R)$ -Gravity* - S. Capozziello, M. De Laurentis, A. Stabile – Classical and Quantum Gravity **27**, 165008 (2010)
17. *The Post-Minkowskian Limit in $f(R)$ -Gravity* - S. Capozziello, A. Stabile, A. Troisi – International Journal of Theoretical Physics **49**, 1251 (2010)
18. *Comparing Scalar-Tensor Gravity and $f(R)$ -Gravity in the Newtonian Limit* – S. Capozziello, A. Stabile, A. Troisi – Physics Letters B **686**, 79 (2010)
19. *The Newtonian Limit of Metric Gravity Theories with Quadratic Lagrangians* – S. Capozziello, A. Stabile – Classical and Quantum Gravity **26**, 085019 (2009)
20. *A General Solution in the Newtonian Limit of $f(R)$ -Gravity* - S. Capozziello, A. Stabile, A. Troisi - Modern Physics Letters A **24**, No 9 659 (2009)
21. *Spherical Symmetry in $f(R)$ -Gravity* - S. Capozziello, A. Stabile, A. Troisi - Classical and Quantum Gravity **25**, 085004 (2008)

22. *Newtonian Limit of $f(R)$ -Gravity* - S. Capozziello, A. Stabile, A. Troisi - Physical Review D **76**, 104019 (2007)
23. *Spherically Symmetric Solutions in $f(R)$ -Gravity via Noether Symmetry Approach* - S. Capozziello, A. Stabile, A. Troisi - Classical and Quantum Gravity **24**, 2153 (2007)
24. *Fourth Order Gravity and Experimental Constraints on Eddington Parameters* – S. Capozziello, A. Stabile, A. Troisi - Modern Physics Letters A **21**, 2291 (2006)

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25. *Self-Gravitating Systems in Extended Gravity* – A. Stabile, S. Capozziello – Galaxies **2**, 520 (2014), Special Issue “Beyond Standard Gravity and Cosmology” - ISSN 2075-4434

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26. *The Weak Field Limit of Fourth Order Gravity* – S. Capozziello, A. Stabile – Classical and Quantum Gravity: Theory, Analysis and Applications, chapter **2**, 1 Nova Science Publishers, Inc 2010, New York, ISBN 978-1-61122-957-8

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27. *A Map Approach for e-cloud Density in a Magnetic Field* – W. Di Carmine, S. Petracca, A. Stabile - Beam Dynamics and Electromagnetic Fields D05 Instabilities, Processes, Impedances, Countermeasures - International Particle Accelerator Conference (IPAC 2014) - TUPRI048 ISBN 9783954501328
28. *Electromagnetic Modeling of Open Cell Conductive Foams for High Synchrotron Radiation Rings* - S. Petracca, A. Stabile - Beam Dynamics and Electromagnetic Fields D05 Instabilities, Processes, Impedances, Countermeasures - International Particle Accelerator Conference (IPAC 2014) - TUPRI047 ISBN 9783954501328
29. *Search for New E-Cloud Mitigator Materials for High Intensity Particle Accelerators* – R. Cimino, A. Romano, S. Petracca, A. Stabile, M.R. Masullo, S. O’Connor, G. Bregliozzi, V. Baglin – Accelerator Technology Main Systems T14 Vacuum Technology – International Particle Accelerator Conference (IPAC 2014) - WEPME033 ISBN 9783954501328
30. *Conducting Foams for High Synchrotron Radiation Accelerators* – S. Petracca, A. Stabile – JPS Conference Proceedings **1**, 014003 (2014). The 12th Asia Pacific Physics Conference (APPC12) and The Third Asia-Europe Physics Summit (ASEPS3), Makuhari (Japan) 2013 – ISBN 978-4-89027-101-6
31. *The Quadratic Coefficient of the Electron Cloud Mapping* – S. Petracca, A. Stabile, T. Demma – Proceedings of the E-CLOUD’12: Joint INFN-CERN-EuCARD-AccNet Workshop on Electron Cloud Effects - ISBN 978-92-9083-386-4, ISSN 0007-8328, DOI 10.5170/CERN-2013-002
32. *An Analytical Formula of the Electron Cloud Linear Map Coefficient in a Strong Dipole* – S. Petracca, A. Stabile, T. Demma, G. Rumolo – Beam Dynamics and Electromagnetic Fields D05 Instabilities, Processes, Impedances, Countermeasures - 2nd International Particle Accelerator Conference (IPAC 2011) - MOPS056 ISBN 978-92-9083-366-6
33. *The Quadratic Coefficient of the Electron Cloud Mapping* – T. Demma, S. Petracca, A. Stabile – Proceedings of the XVIII RiNEm EDAP2 - ISBN 978-88-905261-1-4 (printed edition) ISBN 978-88-905261-0-7 (Electronic edition)
34. *Open Cell Metal Foams for Beam Linears?* – R. P. Croce, S. Petracca, A. Stabile – Proceedings of the XVIII RiNEm POST6 - ISBN 978-88-905261-1-4 (Printed edition) ISBN 978-88-905261-0-7 (Electronic edition)
35. *Weak Field Approach in $f(R)$ -Gravity* – A. Stabile, S. Capozziello – 54th Meeting of the Italian Astronomical Society - Italian astronomy: perspectives for the next decade (SAIt 2010) – Mem. S.A.It. Suppl. vol 19, 63, 2012 ISSN 1824-0178 (Electronic Edition)
36. *E-cloud Map Formalism: An Analytical Expression for Quadratic Coefficient* – T. Demma, S. Petracca, A. Stabile – Beam Dynamics and Electromagnetic Fields D05 Instabilities, Processes, Impedances, Countermeasures - International Particle Accelerator Conference 2010 (IPAC 2010) - TUPD037 ISBN 978-92-9083-352-9

37. *Maps for Electron Clouds: Application to LHC Conditioning* – T. Demma, R. Cimino, A. Drago, S. Petracca, A. Stabile – Beam Dynamics and Electromagnetic Fields D04 Processes, Impedances, Countermeasures – Particle Accelerator Conference 2009 – PAC09 FR5RFP071

ABSTRACTS IN ATTI DI CONVEGNO

38. *Solutions and astrophysical applications of The Scalar Tensor Fourth Order Gravity* – A. Stabile – Workshop Local effects in gravitational physics: theoretical and experimental aspects – Salerno Italy, December 15th, 2014
39. *Conformal Transformations and Weak Field Limit of Scalar Tensor Gravity* – A. Stabile - Comunicazione 100° Congresso della Società Italiana di Fisica (SIF) – Pisa, Italy September 22th, 2014
40. *Conducting Foams for High Synchrotron Radiation Accelerators* – S. Petracca, A. Stabile - Comunicazione 100° Congresso della Società Italiana di Fisica (SIF) – Pisa, Italy September 22th, 2014
41. *Semi-Analytical Approach vs Simulation for E-Cloud Effects in the LHC magnetic Dipole* – W. Di Carmine, S. Petracca, A. Stabile - Comunicazione 100° Congresso della Società Italiana di Fisica (SIF) – Pisa, Italy September 22th, 2014
42. *The Scalar Tensor Fourth Order Gravity: solutions, astrophysical applications and conformal transformations* – A. Stabile – Problemi attuali di Fisica Teoria XX – Vietri sul Mare (SA) Italy, April 16th, 2014
43. *Conducting Foams for High Synchrotron Radiation Accelerators* – S. Petracca, A. Stabile – Associazione Italiana Vuoto (AIV) XXI CONGRESS Materials, Interfaces, Processes: New challenges for future applications – Catania, Italy May 15th, 2013
44. *Metallic Foam Option for the Vacuum System* – S. Petracca*, A. Stabile – Joint Snowmass EuCARD/AccNet HiLumi-LHC meeting “Frontier Capabilities for Hadron Colliders 2013” – Geneve, Switzerland February 21th, 2013
45. *Study of Fourth Order Gravity at Low Energy by Analyzing the Lensing Gravitational and the Galactic Rotation Curves* – A. Stabile - XX SIGRAV Conference – Napoli, Italy October 23th, 2012
46. *Electron Cloud: Stima Teorica del Formalismo della Mappa in Presenza di Campo Magnetico* – T. Demma, S. Petracca, A. Stabile - Comunicazione XCVIII° Congresso della Società Italiana di Fisica (SIF) – Napoli, Italy September 21th, 2012
47. *Teorie Metriche della Gravitazione Alternative alla Relatività Generale. Confronto delle Previsioni Teoriche con i Dati Sperimentali* – A. Stabile – Comunicazione XCVIII° Congresso della Società Italiana di Fisica (SIF) – Napoli, Italy September 19th, 2012
48. *Numerical Analysis of Galactic Rotation Curves* - A. Stabile, G. Scelza - Mathematica Italia User Group Meeting 2011 – Atti del Convegno - ISBN 978-88-96810-02-6 (electronic edition)
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50. *Dinamica dell'Electron Cloud: Calcolo dei Coefficienti della Mappa* – T. Demma, S. Petracca, A. Stabile - Comunicazione XCVI° Congresso della Società Italiana di Fisica (SIF) – Bologna, Italy September 20th, 2010
51. *Maps for Electron Cloud in LHC* - T. Demma, S. Petracca, A. Stabile – Comunicazione XCV° Congresso della Società Italiana di Fisica (SIF) – Bari, Italy September 30th, 2009

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52. *Computational Notes on the Numerical Analysis of Galactic Rotation Curves* – G. Scelza, A. Stabile – arXiv: 1403.7951 - Proceedings of the Mathematica Italia User Group Meeting 2011