

# List of Publications

*Luca Martucci*

## Published papers

1. F. Farakos, S. Lanza, L. Martucci and D. Sorokin, “Three-forms in Supergravity and Flux Compactifications,” *Eur. Phys. J. C* **77** (2017) no.9, 602 doi:10.1140/epjc/s10052-017-5185-y [arXiv:1706.09422 [hep-th]].
2. L. Martucci, “Warped Kähler potentials and fluxes,” *JHEP* **1701** (2017) 056 doi:10.1007/JHEP01(2017)056 [arXiv:1610.02403 [hep-th]].
3. I. Bandos, M. Heller, S. M. Kuzenko, L. Martucci and D. Sorokin, “The Goldstino brane, the constrained superfields and matter in  $\mathcal{N} = \infty$  supergravity,” *JHEP* **1611** (2016) 109 doi:10.1007/JHEP11(2016)109 [arXiv:1608.05908 [hep-th]].
4. L. Martucci and A. Zaffaroni, “Holographic Effective Field Theories,” *JHEP* **1606** (2016) 166 doi:10.1007/JHEP06(2016)166 [arXiv:1603.04470 [hep-th]].
5. I. Bandos, L. Martucci, D. Sorokin and M. Tonin, “Brane induced supersymmetry breaking and de Sitter supergravity,” *JHEP* **1602** (2016) 080 doi:10.1007/JHEP02(2016)080 [arXiv:1511.03024 [hep-th]].
6. L. Martucci and T. Weigand, “Hidden Selection Rules, M5-instantons and Fluxes in F-theory,” *JHEP* **1510** (2015) 131 doi:10.1007/JHEP10(2015)131 [arXiv:1507.06999 [hep-th]].
7. L. Martucci and T. Weigand, “Non-perturbative selection rules in F-theory,” *JHEP* **1509**, 198 (2015) doi:10.1007/JHEP09(2015)198 [arXiv:1506.06764 [hep-th]].
8. L. Martucci, “Warping the Kähler potential of F-theory/IIB flux compactifications,” *JHEP* **1503** (2015) 067 [arXiv:1411.2623 [hep-th]].
9. B. Bellazzini, L. Martucci and R. Torre, “Symmetries, Sum Rules and Constraints on Effective Field Theories,” *JHEP* **1409** (2014) 100 [arXiv:1405.2960 [hep-th]].
10. L. Martucci, “Topological duality twist and brane instantons in F-theory,” *JHEP* **1406** (2014) 180 [arXiv:1403.2530 [hep-th]].
11. S. Giusto, L. Martucci, M. Petrini and R. Russo, “6D microstate geometries from 10D structures,” *Nucl. Phys. B* **876** (2013) 509 [arXiv:1306.1745 [hep-th]].

12. M. Bianchi, G. Inverso and L. Martucci, “Brane instantons and fluxes in F-theory,” JHEP **1307** (2013) 037 [arXiv:1212.0024 [hep-th]].
13. L. Martucci, J. F. Morales and D. R. Pacifici, “Branes, U-folds and hyperelliptic fibrations,” JHEP **1301** (2013) 145 [arXiv:1207.6120 [hep-th]].
14. M. Bianchi, A. Collinucci and L. Martucci, “Freezing E3-brane instantons with fluxes,” Fortsch. Phys. **60** (2012) 914 [arXiv:1202.5045 [hep-th]].
15. L. Martucci, “Electrified branes,” JHEP **1202** (2012) 097 [arXiv:1110.0627 [hep-th]].
16. C. Germani, L. Martucci and P. Moyassari, “Introducing the Slotheon: a slow Galileon scalar field in curved space-time,” Phys. Rev. D **85** (2012) 103501 [arXiv:1108.1406 [hep-th]].
17. M. Bianchi, A. Collinucci and L. Martucci, “Magnetized E3-brane instantons in F-theory,” JHEP **1112** (2011) 045 [arXiv:1107.3732 [hep-th]].
18. A. Dymarsky e L. Martucci, “D-brane non-perturbative effects and geometric deformations,” JHEP **1104** (2011) 061 [arXiv:1012.4018 [hep-th]].
19. J. Held, D. Lüst, F. Marchesano and L. Martucci, “DWSB in heterotic flux compactifications,” JHEP **1006** (2010) 090 [arXiv:1004.0867 [hep-th]].
20. F. Marchesano and L. Martucci, “Non-perturbative effects on seven-brane Yukawa couplings,” Phys. Rev. Lett. **104** (2010) 231601 [arXiv:0910.5496 [hep-th]].
21. M. Haack, D. Lüst, L. Martucci and A. Tomasiello, “Domain walls from ten dimensions,” JHEP **0910** (2009) 089 [arXiv:0905.1582 [hep-th]].
22. L. Martucci, “On moduli and effective theory of N=1 warped flux compactifications,” JHEP **0905** (2009) 027 [arXiv:0902.4031 [hep-th]].
23. D. Lüst, F. Marchesano, L. Martucci and D. Tsimpis, “Generalized non-supersymmetric flux vacua,” JHEP **0811** (2008) 021 [arXiv:0807.4540 [hep-th]].
24. P. Koerber and L. Martucci, “Warped generalized geometry compactifications, effective theories and non-perturbative effects,” Fortsch. Phys. **56** (2008) 862 [arXiv:0803.3149 [hep-th]].
25. A. Butti, D. Forcella, L. Martucci, R. Minasian, M. Petrini and A. Zaffaroni, “On the geometry and the moduli space of beta-deformed quiver gauge theories,” JHEP **0807** (2008) 053 [arXiv:0712.1215 [hep-th]].
26. P. Koerber and L. Martucci, “D-branes on AdS flux compactifications,” JHEP **0801** (2008) 047 [arXiv:0710.5530 [hep-th]].

27. P. Koerber and L. Martucci, “From ten to four and back again: how to generalize the geometry,” *JHEP* **0708** (2007) 059 [arXiv:0707.1038 [hep-th]].
28. F. Bigazzi, A. L. Cotrone, L. Martucci and W. Troost, “Splitting of macroscopic fundamental strings in flat space and holographic hadron decays,” invited review, *Mod. Phys. Lett. A* **22** (2007) 1057 [arXiv:hep-th/0703284].
29. J. Evslin and L. Martucci, “D-brane networks in flux vacua, generalized cycles and calibrations,” *JHEP* **0707** (2007) 040 [arXiv:hep-th/0703129].
30. L. Martucci, “Supersymmetric D-branes on flux backgrounds,” *Fortsch. Phys.* **55** (2007) 771 [arXiv:hep-th/0701093].
31. F. Bigazzi, A. L. Cotrone, L. Martucci and W. Troost, “Meson decays from string splitting,” *Fortsch. Phys.* **55** (2007) 666 [arXiv:hep-th/0611253].
32. P. Koerber and L. Martucci, “Deformations of calibrated D-branes in flux generalized complex manifolds,” *JHEP* **0612** (2006) 062 [arXiv:hep-th/0610044].
33. A. L. Cotrone, L. Martucci, J. M. Pons and P. Talavera, “Heavy hadron spectra from spin chains and strings,” *JHEP* **0705** (2007) 027 [arXiv:hep-th/0604051].
34. L. Martucci, “D-branes on general  $N = 1$  backgrounds: Superpotentials and D-terms,” *JHEP* **0606** (2006) 033 [arXiv:hep-th/0602129].
35. A. L. Cotrone, L. Martucci and W. Troost, “String splitting and strong coupling meson decay,” *Phys. Rev. Lett.* **96** (2006) 141601 [arXiv:hep-th/0511045].
36. L. Martucci and P. Smyth, “Supersymmetric D-Branes And Calibrations On General  $N = 1$  Backgrounds,” *JHEP* **0511** (2005) 048 [arXiv:hep-th/0507099].
37. L. Martucci, J. Rosseel, D. Van den Bleeken and A. Van Proeyen, “Dirac actions for D-branes on backgrounds with fluxes,” *Class. Quant. Grav.* **22** (2005) 2745 [arXiv:hep-th/0504041].
38. L. Martucci, “Semiclassical Strings On Confining Backgrounds,” *Fortsch. Phys.* **53** (2005) 936 [arXiv:hep-th/0503242].
39. F. Bigazzi, A. L. Cotrone, L. Martucci and L. A. Pando Zayas, “Wilson Loop, Regge Trajectory And Hadron Masses In A Yang-Mills Theory From Semiclassical Strings,” *Phys. Rev. D* **71** (2005) 066002 [arXiv:hep-th/0409205].
40. D. Marolf, L. Martucci and P. J. Silva, “The explicit form of the effective action for F1 and D-branes,” *Class. Quant. Grav.* **21** (2004) S1385 [arXiv:hep-th/0404197].
41. F. Bigazzi, A. L. Cotrone and L. Martucci, “Semiclassical spinning strings and confining gauge theories,” *Nucl. Phys. B* **694** (2004) 3 [arXiv:hep-th/0403261].

42. L. Martucci and P. J. Silva, “Kinky D-Branes And Straight Strings Of Open String Tachyon Effective Theory,” *JHEP* **0308** (2003) 026 [arXiv:hep-th/0306295].
43. D. Marolf, L. Martucci and P. J. Silva, “Actions And Fermionic Symmetries For D-Branes In Bosonic Backgrounds,” *JHEP* **0307** (2003) 019 [arXiv:hep-th/0306066].
44. D. Marolf, L. Martucci and P. J. Silva, “Fermions, T-duality and effective actions for D-branes in bosonic backgrounds,” *JHEP* **0304** (2003) 051 [arXiv:hep-th/0303209].
45. L. Martucci and P. J. Silva, “On type II superstrings in bosonic backgrounds: the role of fermions and T-duality,” *JHEP* **0304** (2003) 004 [arXiv:hep-th/0303102].
46. J. Agresti, R. De Pietri, L. Lusanna and L. Martucci, “Hamiltonian Linearization Of The Rest-Frame Instant Form Of Tetrad Gravity In A Completely Fixed 3-Orthogonal Gauge: A Radiation Gauge For Background-Independent Gravitational Waves In A Post-Minkowskian Einstein Spacetime,” *Gen. Rel. Grav.* **36** (2004) 1055 [arXiv:gr-qc/0302084].
47. L. Martucci and P. J. Silva, “YM on the dielectric brane: A D0-brane tale,” *Nucl. Phys. B* **666** (2003) 230 [arXiv:hep-th/0212183].
48. G. Berrino, S. L. Cacciatori, A. Celi, L. Martucci and A. Vicini, “Noncommutative electrodynamics,” *Phys. Rev. D* **67** (2003) 065021 [arXiv:hep-th/0210171].
49. S. Cacciatori and L. Martucci, “Noncommutative AdS supergravity in three dimensions,” *Phys. Lett. B* **542** (2002) 268 [arXiv:hep-th/0204152].
50. S. Cacciatori, A. H. Chamseddine, D. Klemm, L. Martucci, W. A. Sabra and D. Zanon, “Noncommutative gravity in two dimensions,” *Class. Quant. Grav.* **19** (2002) 4029 [arXiv:hep-th/0203038].
51. S. Cacciatori, D. Klemm, L. Martucci and D. Zanon, “Noncommutative Einstein-AdS gravity in three dimensions,” *Phys. Lett. B* **536** (2002) 101 [arXiv:hep-th/0201103].
52. R. De Pietri, L. Lusanna, L. Martucci and S. Russo, “Dirac’s Observables for the Rest-Frame Instant Form of Tetrad Gravity in a Completely Fixed 3-Orthogonal Gauge,” *Gen. Rel. Grav.* **34** (2002) 877 [arXiv:gr-qc/0105084].