
Publication List

Stefano Lanza

*II. Institut für Theoretische Physik, Universität Hamburg
Luruper Chaussee 149, 22607 Hamburg, Germany*

✉ stefano.lanza@desy.de · ✉ stefano.lanza@uni-hamburg.de

- [1] S. Lanza and A. Westphal, “Uplifts in the Penumbra: Features of the Moduli Potential away from Infinite-Distance Boundaries,” Dec. 2024. arXiv: [2412.12253](https://arxiv.org/abs/2412.12253) [[hep-th](#)].
- [2] L. Kaufmann, S. Lanza and T. Weigand, “Asymptotics of 5d Supergravity Theories and the Emergent String Conjecture,” Dec. 2024. arXiv: [2412.12251](https://arxiv.org/abs/2412.12251) [[hep-th](#)].
- [3] S. Lanza, “Neural network learning and Quantum Gravity,” *JHEP*, vol. 07, p. 105, 2024. DOI: [10.1007/JHEP07\(2024\)105](https://doi.org/10.1007/JHEP07(2024)105). arXiv: [2403.03245](https://arxiv.org/abs/2403.03245) [[hep-th](#)].
- [4] S. Lanza, “Machine learning the breakdown of tame effective theories,” *Eur. Phys. J. C*, vol. 84, no. 6, p. 631, 2024. DOI: [10.1140/epjc/s10052-024-12988-z](https://doi.org/10.1140/epjc/s10052-024-12988-z). arXiv: [2311.03437](https://arxiv.org/abs/2311.03437) [[hep-th](#)].
- [5] T. W. Grimm, S. Lanza and T. van Vuren, “Global symmetry-breaking and generalized theta-terms in Type IIB EFTs,” *JHEP*, vol. 10, p. 154, 2023. DOI: [10.1007/JHEP10\(2023\)154](https://doi.org/10.1007/JHEP10(2023)154). arXiv: [2211.11769](https://arxiv.org/abs/2211.11769) [[hep-th](#)].
- [6] T. W. Grimm, S. Lanza and C. Li, “Tameness, Strings, and the Distance Conjecture,” *JHEP*, vol. 09, p. 149, 2022. DOI: [10.1007/JHEP09\(2022\)149](https://doi.org/10.1007/JHEP09(2022)149). arXiv: [2206.00697](https://arxiv.org/abs/2206.00697) [[hep-th](#)].
- [7] S. Lanza, F. Marchesano, L. Martucci and I. Valenzuela, “Large Field Distances from EFT strings,” in *21st Hellenic School and Workshops on Elementary Particle Physics and Gravity*, May 2022. arXiv: [2205.04532](https://arxiv.org/abs/2205.04532) [[hep-th](#)].
- [8] S. Cremonesi, S. Lanza and L. Martucci, “Semiclassics of three-dimensional SCFTs from holography,” *JHEP*, vol. 10, p. 111, 2022. DOI: [10.1007/JHEP10\(2022\)111](https://doi.org/10.1007/JHEP10(2022)111). arXiv: [2202.06970](https://arxiv.org/abs/2202.06970) [[hep-th](#)].
- [9] S. Lanza, F. Marchesano, L. Martucci and I. Valenzuela, “The EFT stringy viewpoint on large distances,” *JHEP*, vol. 09, p. 197, 2021. DOI: [10.1007/JHEP09\(2021\)197](https://doi.org/10.1007/JHEP09(2021)197). arXiv: [2104.05726](https://arxiv.org/abs/2104.05726) [[hep-th](#)].
- [10] I. Bandos, S. Lanza and D. Sorokin, “BPS-Domain Walls for the Gaugino Condensate of $N = 1$ Super-Yang–Mills Theory,” *Phys. Part. Nucl. Lett.*, vol. 17, no. 5, pp. 654–659, 2020. DOI: [10.1134/S1547477120050052](https://doi.org/10.1134/S1547477120050052).
- [11] I. Basile and S. Lanza, “de Sitter in non-supersymmetric string theories: no-go theorems and brane-worlds,” *JHEP*, vol. 10, p. 108, 2020. DOI: [10.1007/JHEP10\(2020\)108](https://doi.org/10.1007/JHEP10(2020)108). arXiv: [2007.13757](https://arxiv.org/abs/2007.13757) [[hep-th](#)].

- [12] S. Lanza, F. Marchesano, L. Martucci and I. Valenzuela, “Swampland Conjectures for Strings and Membranes,” *JHEP*, vol. 02, p. 006, 2021. DOI: [10.1007/JHEP02\(2021\)006](https://doi.org/10.1007/JHEP02(2021)006). arXiv: [2006.15154](https://arxiv.org/abs/2006.15154) [[hep-th](#)].
- [13] I. Bandos, S. Lanza and D. Sorokin, “How $N = 1$, $D = 4$ SYM domain walls look like,” *PoS*, vol. CORFU2019, p. 155, 2020. DOI: [10.22323/1.376.0155](https://doi.org/10.22323/1.376.0155). arXiv: [2004.11232](https://arxiv.org/abs/2004.11232) [[hep-th](#)].
- [14] S. Lanza, “Exploring the Landscape of effective field theories,” Ph.D. dissertation, Padua U., 2019. arXiv: [1912.08935](https://arxiv.org/abs/1912.08935) [[hep-th](#)].
- [15] S. Lanza, F. Marchesano, L. Martucci and D. Sorokin, “How many fluxes fit in an EFT?” *JHEP*, vol. 10, p. 110, 2019. DOI: [10.1007/JHEP10\(2019\)110](https://doi.org/10.1007/JHEP10(2019)110). arXiv: [1907.11256](https://arxiv.org/abs/1907.11256) [[hep-th](#)].
- [16] I. Bandos, S. Lanza and D. Sorokin, “Supermembranes and domain walls in $\mathcal{N} = 1$, $D = 4$ SYM,” *JHEP*, vol. 12, p. 021, 2019. DOI: [10.1007/JHEP12\(2019\)021](https://doi.org/10.1007/JHEP12(2019)021). arXiv: [1905.02743](https://arxiv.org/abs/1905.02743) [[hep-th](#)].
- [17] I. Bandos, F. Farakos, S. Lanza, L. Martucci and D. Sorokin, “Variant 4D supergravities and membranes,” *J. Phys. Conf. Ser.*, vol. 1194, no. 1, p. 012012, 2019. DOI: [10.1088/1742-6596/1194/1/012012](https://doi.org/10.1088/1742-6596/1194/1/012012).
- [18] I. Bandos, F. Farakos, S. Lanza, L. Martucci and D. Sorokin, “Higher Forms and Membranes in 4D Supergravities,” in *Durham Symposium, Higher Structures in M-Theory Durham, UK, August 12-18, 2018*, 2019. arXiv: [1903.02841](https://arxiv.org/abs/1903.02841) [[hep-th](#)].
- [19] N. Cribiori and S. Lanza, “On the dynamical origin of parameters in $\mathcal{N} = 2$ supersymmetry,” *Eur. Phys. J.*, vol. C79, no. 1, p. 32, 2019. DOI: [10.1140/epjc/s10052-019-6545-6](https://doi.org/10.1140/epjc/s10052-019-6545-6). arXiv: [1810.11425](https://arxiv.org/abs/1810.11425) [[hep-th](#)].
- [20] I. Bandos, F. Farakos, S. Lanza, L. Martucci and D. Sorokin, “Three-forms, dualities and membranes in four-dimensional supergravity,” *JHEP*, vol. 07, p. 028, 2018. DOI: [10.1007/JHEP07\(2018\)028](https://doi.org/10.1007/JHEP07(2018)028). arXiv: [1803.01405](https://arxiv.org/abs/1803.01405) [[hep-th](#)].
- [21] F. Farakos, S. Lanza, L. Martucci and D. Sorokin, “Three-forms, Supersymmetry and String Compactifications,” in *12th International Workshop on Supersymmetries and Quantum Symmetries (SQS'17) Dubna, Russia, July 31-August 5, 2017*, 2017. arXiv: [1712.09366](https://arxiv.org/abs/1712.09366) [[hep-th](#)]. [Online]. Available: <http://inspirehep.net/record/1645288/files/arXiv:1712.09366.pdf>.
- [22] F. Farakos, S. Lanza, L. Martucci and D. Sorokin, “Three-forms in Supergravity and Flux Compactifications,” *Eur. Phys. J.*, vol. C77, no. 9, p. 602, 2017. DOI: [10.1140/epjc/s10052-017-5185-y](https://doi.org/10.1140/epjc/s10052-017-5185-y). arXiv: [1706.09422](https://arxiv.org/abs/1706.09422) [[hep-th](#)].

A full list of publications is also available on INSPIRE-HEP at:
<http://inspirehep.net/search?p=exactauthor%3AS.Lanza.1&sf=earliestdate>