List of Publications and Preprints

Sota Nakajima

KEK, Tsukuba, Japan

snakajim@post.kek.jp

[1] H. Itoyama and S. Nakajima, "Exponentially suppressed cosmological constant with enhanced gauge symmetry in heterotic interpolating models," PTEP **2019**, no.12, 123B01 (2019) doi:10.1093/ptep/ptz123 [arXiv:1905.10745 [hep-th]] .

[2] S. Nakajima, "Exponentially suppressed cosmological constant and enhanced gauge symmetry in interpolating heterotic models," PoS **CORFU2019**, 127 (2020) doi:10.22323/1.376.0127 .

[3] H. Itoyama and S. Nakajima, "Stability, enhanced gauge symmetry and suppressed cosmological constant in 9D heterotic interpolating models," Nucl. Phys. B **958**, 115111 (2020) doi:10.1016/j.nuclphysb.2020.115111 [arXiv:2003.11217 [hep-th]] .

[4] H. Itoyama and S. Nakajima, "Marginal deformations of heterotic interpolating models and exponential suppression of the cosmological constant," Phys. Lett. B **816**, 136195 (2021) doi:10.1016/j.physletb.2021.136195 [arXiv:2101.10619 [hep-th]] .

[5] H. Itoyama, Y. Koga and S. Nakajima, "Gauge Symmetry Enhancement by Wilson Lines in Twisted Compactification," [arXiv:2106.10629 [hep-th]] .

[6] H. Itoyama, Y. Koga and S. Nakajima, "Target space duality of non-supersymmetric string theory," Nucl. Phys. B **975**, 115667 (2022) doi:10.1016/j.nuclphysb.2022.115667 [arXiv:2110.09762 [hep-th]] .

[7] Y. Hamada, R. Kuramochi, G. J. Loges and S. Nakajima, "On (scalar QED) gravitational positivity bounds," JHEP **05**, 076 (2023) doi:10.1007/JHEP05(2023)076 [arXiv:2301.01999 [hep-th]] .

[8] S. Nakajima, "New non-supersymmetric heterotic string theory with reduced rank and exponential suppression of the cosmological constant," [arXiv:2303.04489 [hep-th]] .