

### (3) 論文リスト

上村尚平

#### 学術論文 (査読有り)

1. Shota Kikuchi, Tatsuo Kobayashi, Kaito Nasu, Hikaru Uchida, Shohei Uemura, “Modular symmetry anomaly and nonperturbative neutrino mass terms in magnetized orbifold models”, *Phys.Rev.D* 105 (2022) 11, 116002, [arXiv: 2202.05425 [hep-th]].
2. Hitomi Kuranaga, Hiroshi Ohki, Shohei Uemura, “Modular origin of mass hierarchy: Froggatt-Nielsen like mechanism”, *JHEP* 07 (2021) 068, [arXiv: 2105.06237 [hep-ph]].
3. Kouki Hoshiya, Shota Kikuchi, Tatsuo Kobayashi, Kaito Nasu, Hikaru Uchida et al. “Majorana neutrino masses by D-brane instanton effects in magnetized orbifold models”, *PTEP* 2022 (2022) 1, 013B04, [arXiv: 2103.07147 [hep-th]].
4. Hiroshi Ohki, Shohei Uemura, Risa Watanabe, “Modular flavor symmetry on a magnetized torus”, *Phys.Rev.D* 102 (2020) 8, 085008 [arXiv: 2003.04174 [hep-th]].
5. Hiroyuki Abe, Tatsuo Kobayashi, Shohei Uemura, Junji Yamamoto, “Loop Fayet-Iliopoulos terms in  $T^2/Z_2$  models: Instability and moduli stabilization”, *Phys.Rev.D* 102 (2020) 4, 045005 [arXiv: 2003.03512 [hep-th]].
6. Hiroyuki Abe, Tatsuo Kobayashi, Shohei Uemura, Junji Yamamoto, “Revisiting instabilities of  $S^1/Z_2$  models with loop-induced Fayet-Iliopoulos terms”, *PTEP* 2019 (2019) 9, 093B04 [arXiv: 1812.02376 [hep-th]].
7. Tatsuo Kobayashi, Osamu Seto, Shintaro Takada, Takuya H. Tatsuishi, Shohei Uemura et al. “F-term Moduli Stabilization and Uplifting”, *PTEP* 2019 (2019) 9, 093B04 [arXiv: 1812.02376 [hep-th]].
8. T. Kobayashi, S. Uemura and J. Yamamoto, “Polyinstanton axion inflation”, *Phys. Rev. D* 96, no. 2, 026007 (2017) [arXiv:1705.04088 [hep-ph]].
9. H. Abe, T. Kobayashi, K. Sumita and S. Uemura, “Kähler moduli stabilization in semirealistic magnetized orbifold models”, *Phys. Rev. D* 96, no. 2, 026019 (2017) [arXiv:1703.03402 [hep-th]].
10. T. Kobayashi, S. Nagamoto and S. Uemura, “Modular symmetry in magnetized/intersecting D-brane models”, *PTEP* 2017, no. 2, 023B02 (2017) [arXiv:1608.06129 [hep-th]].
11. Tatsuo Kobayashi, Yoshiyuki Tatsuta, and Shohei Uemura, “Majorana neutrino mass structure induced by rigid instantons on toroidal orbifold”, *Phys.Rev. D* 93 (2016) no.6, 065029 [arXiv:1511.09256 [hep-ph]].
12. Hiroyuki Abe, Tatsuo Kobayashi, Yoshiyuki Tatsuta, and Shohei Uemura, “D-brane instanton induced  $\mu$  terms and their hierarchical structure”, *Phys.Rev. D* 92 (2015) no.2,

026001 [arXiv:1502.03582 [hep-ph]].

13. Yuta Hamada, Tatsuo Kobayashi, and Shohei Uemura, “Standard Model-like D- brane models and gauge couplings”, Nucl.Phys. B897 (2015) 563-582 [arXiv:1409.2740 [hep-th]].
14. Yuta Hamada, Tatsuo Kobayashi, and Shohei Uemura, “Flavor structure in D- brane models: Majorana neutrino masses”, JHEP 1405 (2014) 116 [arXiv:1402.2052 [hep-th]].

#### 学術論文（プレプリント）

1. Hiroshi Ohki, Shohei Uemura, “CP-like Symmetry with Discrete and Continuous Groups and CP Violation/Restoration”, [arXiv: 2310.16710 [hep-ph]].

#### 学位論文

（博士論文） D-brane Models and D-brane Instantons in Type IIA Toroidal Orientifolds (2017)  
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