

2023年1月4日

論 文 リ ス ト

1. 学術論文

- [1] “Baryon Configurations in the UV and IR Regions of Type 0 String Theory”
Shigenori Seki
Physics Letters B **462** (1999) 277-284, [hep-th/9906210](#)
- [2] “Gravitational Stability and Extra Timelike Dimensions”
Satoshi Matsuda and Shigenori Seki
Physical Review D **63** (2001) 065014; Erratum-ibid. D63 (2001) 129901, [hep-ph/0007290](#)
- [3] “Gravitational Stability and Screening Effect from D Extra Timelike Dimensions”
Satoshi Matsuda and Shigenori Seki
Nuclear Physics B **599** (2001) 119-136, [hep-th/0008216](#)
- [4] “Discrete Torsion and Branes in M-theory from Mathematical Viewpoint”
Shigenori Seki
Nuclear Physics B **606** (2001) 689-698, [hep-th/0103117](#)
- [5] “D5-brane in Anti-de Sitter Space and Penrose Limit”
Shigenori Seki
Physics Letters B **542** (2002) 165-170, [hep-th/0205266](#)
- [6] “Comments on Quiver Gauge Theories and Matrix Models”
Shigenori Seki
Nuclear Physics B **661** (2003) 257-272, [hep-th/0212079](#)
- [7] “Proposal for Generic Size of Large Extra Dimensions”
Satoshi Matsuda and Shigenori Seki
[hep-ph/0307361](#) (<https://arxiv.org/abs/hep-ph/0307361>)
- [8] “Cosmological Constant Probing Shape Moduli through Large Extra Dimensions”
Satoshi Matsuda and Shigenori Seki
International Journal of Modern Physics A **21** (2006) 3095-3110, [hep-th/0404121](#)
- [9] “Gauged Linear Sigma Model on Supermanifold”
Shigenori Seki and Katsuyuki Sugiyama
[hep-th/0503074](#) (<https://arxiv.org/abs/hep-th/0503074>)
- [10] “Comments on the D-instanton Calculus in $(p, p + 1)$ Minimal String Theory”
Masafumi Fukuma, Hirotaka Irie and Shigenori Seki
Nuclear Physics B **728** (2005) 67-82, [hep-th/0505253](#)
- [11] “Superconformal Symmetry in Linear Sigma Model on Supermanifolds”
Shigenori Seki, Katsuyuki Sugiyama and Tatsuya Tokunaga
Nuclear Physics B **753** (2006) 295-312, [hep-th/0605021](#)

- [12] “Quark Mass and Condensate in HQCD”
Oren Bergman, Shigenori Seki and Jacob Sonnenschein
Journal of High Energy Physics **0712** (2007) 037, [arXiv:0708.2839](#) [hep-th]
- [13] “Comments on Baryons in Holographic QCD”
Shigenori Seki and Jacob Sonnenschein
Journal of High Energy Physics **0901** (2009) 053, [arXiv:0810.1633](#) [hep-th]
- [14] “Intersecting D4-branes Model of Holographic QCD and Tachyon Condensation”
Shigenori Seki
Journal of High Energy Physics **1007** (2010) 091, [arXiv:1003.2971](#) [hep-th]
- [15] “Eikonal Approach to $\mathcal{N} = 4$ SYM Regge Amplitudes in the AdS/CFT Correspondence”
Matteo Giordano, Robi Peschanski and Shigenori Seki
Acta Physica Polonica B **43** (2012) 1289-1332, [arXiv:1110.3680](#) [hep-th]
- [16] “Chiral Condensate in Holographic QCD with Baryon Density”
Shigenori Seki and Sang-Jin Sin
Journal of High Energy Physics **1208** (2012) 009, [arXiv:1206.5897](#) [hep-th]
- [17] “A New Model of Holographic QCD and Chiral Condensate in Dense Matter”
Shigenori Seki and Sang-Jin Sin
Journal of High Energy Physics **1310** (2013) 223, [arXiv:1304.7097](#) [hep-th]
- [18] “EPR = ER, Scattering Amplitude and Entanglement Entropy Change”
Shigenori Seki and Sang-Jin Sin
Physics Letters B **735** (2014) 272-276, [arXiv:1404.0794](#) [hep-th]
- [19] “Variation of Entanglement Entropy in Scattering Process”
I.Y. Park, Shigenori Seki and Sang-Jin Sin
Physics Letters B **743** (2015) 147-153, [arXiv:1412.7894](#) [hep-th]
- [20] “Entanglement Entropy of Scattering Particles”
Robi Peschanski and Shigenori Seki
Physics Letters B **758** (2016) 89-92, [arXiv:1602.00720](#) [hep-th]
- [21] “Evaluation of Entanglement Entropy in High Energy Elastic Scattering”
Robi Peschanski and Shigenori Seki
Physical Review D **100** (2019) 076012, [arXiv:1906.09696](#) [hep-th]
- [22] “Two-point String Amplitudes Revisited by Operator Formalism”
Shigenori Seki and Tomohiko Takahashi
Physics Letters B **800** (2020) 135078, [arXiv:1909.03672](#) [hep-th]
- [23] “Reduction of Open String Amplitudes by Mostly BRST Exact Operators”
Shigenori Seki and Tomohiko Takahashi
Physics Letters B **822** (2021) 136664, [arXiv:2108.05628](#) [hep-th]

- [24] “The Veneziano Amplitude via Mostly BRST Exact Operator”
Isao Kishimoto, Tomoko Sasaki, Shigenori Seki and Tomohiko Takahashi
Nuclear Physics B **974** (2022) 115647, [arXiv:2109.08433](#) [hep-th]

2. Proceedings

- “Gravitational Stability and Extra Timelike Dimensions”
関 穰 慶
素粒子論研究 2002 年 1 月 104 卷 4 号 D68
- “Discrete Torsion and Branes in M-theory”
関 穰 慶
素粒子論研究 2002 年 2 月 104 卷 5 号 E25
- “D5-brane in Anti-de Sitter Space and Penrose Limit”
関 穰 慶
素粒子論研究 2002 年 12 月 106 卷 3 号 C59
- “Comments on quiver gauge theories and matrix models”
関 穰 慶
素粒子論研究 2003 年 12 月 108 卷 3 号 C11
- “Gauged Linear Sigma Model on Supermanifold”
関 穰 慶
素粒子論研究 2006 年 1 月 112 卷 4 号 D34
- “Chiral Condensate in Dense Baryons”
Shigenori Seki
International Journal of Modern Physics: Conference Series **21** (2013) 126
- “Entanglement entropy of scattering particles”
Shigenori Seki
AIP Conference Proceedings **2040** (2018) 020017
- “String Two-Point Amplitude Revisited by Operator Formalism”
Shigenori Seki
Physics of Particles and Nuclei Letters **17** (2020) 663-665
- “Refined formulation and evaluation of entanglement entropy in elastic scattering”
Shigenori Seki
AIP Conference Proceedings **2343** (2021) 020013

3. 学位論文

- “Complex Manifolds and F-theory”
Shigenori Seki
京都大学修士 (人間・環境学), 1999 年 3 月

- “Discrete Torsion and Branes in M-theory and their Mathematical Aspects”
Shigenori Seki
京都大学博士 (人間・環境学) , 2002 年 3 月

4. その他

- Bois-Marie - la lettre d'information annuelle de l'IHÉS, Septembre 2015, p. 16,
<https://www.ihes.fr/wp-content/uploads/2016/09/lettre-informations-2015-09.pdf>