Curriculum Vitae

So Chigusa

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Personal Data

First Name:	So
Last Name:	Chigusa
Date of Birth:	May 22, 1992
Place of Birth:	Kobe, Japan
Nationality:	Japanese
Age:	26
Sex:	Male

Affiliation:	University of Tokyo
Postcode:	113-8654
Address:	7-3-1, Hongo, Bunkyo, Tokyo
Phone:	+81-3-5841-4138
E-mail:	chigusa@hep-th.phys.s.u-tokyo.ac.jp
Homepage:	`https://sochigusa.bitbucket.io`

Education

Date	Degree	University
Mar. 24, 2017	Master of Science (Physics)	University of Tokyo
Mar. 2015	Bachelor of Science (Physics)	University of Tokyo

Grant

Apr. 2017 - Mar. 2020: JSPS, Research Fellowships for Young Scientists (DC1)
Oct. 2015 - Mar. 2020: MEXT, Program for Leading Graduate Schools

Teaching experience

Apr. 2015 - Sep. 2015: Teaching Assistant for Undergraduate Class "Quantum Mechanics II" at Department of Physics, University of Tokyo

Publications

[1] S. Asai, S. Chigusa, T. Kaji, T. Moroi, M. Saito, R. Sawada et al., *Studying gaugino masses in supersymmetric model at future 100 TeV pp collider*, 1901.10389.

[2] S. Chigusa, Y. Ema and T. Moroi, *Probing Electroweakly Interacting Massive Particles with Drell-Yan Process at 100 TeV Hadron Colliders*, 1810.07349.

[3] S. Chigusa, S. Kasuya and K. Nakayama, *Flavon Stabilization in Models with Discrete Flavor Symmetry*, 1810.05791.

[4] S. Chigusa and K. Nakayama, *Anomalous Discrete Flavor Symmetry and Domain Wall Problem*, 1808.09601.

[5] S. Chigusa, T. Moroi and Y. Shoji, *Decay Rate of Electroweak Vacuum in the Standard Model and Beyond*, *Phys. Rev.* **D97** (2018) 116012, [1803.03902].

[6] S. Chigusa, T. Moroi and Y. Shoji, *State-of-the-Art Calculation of the Decay Rate of Electroweak Vacuum in the Standard Model*, *Phys. Rev. Lett.* **119** (2017) 211801, [1707.09301].

[7] S. Chigusa and T. Moroi, *Bottom-Tau Unification in Supersymmetric SU(5) Models with Extra Matters*, *PTEP* **2017** (2017) 063B05, [1702.00790].

[8] S. Chigusa and T. Moroi, *Bottom-tau unification in a supersymmetric model with anomaly-mediation*, *Phys. Rev.* **D94** (2016) 035016, [1604.02156].

Talks

1. "Probing Electroweakly Interacting Massive Particles with Precision Measurements at 100 TeV Hadron Colliders (poster)", HPNP2019, Osaka
2. "Solutions to Domain Wall Problem in Models with Discrete Flavor Symmetry", Seminar, Hokkaido University
3. "Flavon Stabilization in Models with Discrete Flavor Symmetry", KEK-PH 2018 winter, Tsukuba
4. "Probing Electroweakly Interacting Massive Particles with Drell-Yan Process at 100 TeV Hadron Colliders", Seminar, Nagoya University
5. "Zero Mode Problem in the Calculation of Decay Rate of the SM Electroweak vacuum", JPS 2018, Shinshu
6. "Indirect Search of WIMP Dark Matter at Future 100 TeV Collider (Poster)", PPP 2018, Kyoto
7. "Decay Rate of the Electroweak Vacuum in the Standard Model and Beyond", Cargese Summer School 2018
8. "Decay Rate of the Electroweak Vacuum in the Standard Model and Beyond", Planck 2018, Bonn
9. "Bottom Tau Unification in Supersymmetric Models (Poster)", PPP 2017, Kyoto
10. "Bottom Tau Unification in Supersymmetric Models (Poster)", Les Houches Summer School 2017

11. “Bottom-Tau Unification in Supersymmetric Models”, New Physics Forum, IPMU

12. “Bottom-Tau unification in Supersymmetric Model with Anomaly-Mediation”, JPS 2016, Miyazaki

13. “Bottom-Tau unification in Supersymmetric Model with Anomaly-Mediation”, SUSY 2016, Melbourne