Curriculum Vitae

So Chigusa

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Personal Data

First Name:	So
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Date of Birth:	May 22, 1992
Place of Birth:	Kobe, Japan
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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] T. Abe, S. Chigusa, Y. Ema and T. Moroi, *Indirect Studies of Electroweakly Interacting Particles at 100 TeV Hadron Colliders*, 1904.11162.

[2] 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.

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

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

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

[6] 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].

[7] 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].

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

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

Talks

1. "Indirect Studies of Electroweakly Interacting Particles at 100 TeV Hadron Colliders", 2019/5/22, SUSY 2019, Texas
2. "Indirect Studies of Electroweakly Interacting Particles at 100 TeV Hadron Colliders", 2019/5/16, Seminar, University of Florida
3. "Indirect Studies of Electroweakly Interacting Particles at 100 TeV Hadron Colliders", 2019/5/10, Seminar, Florida State University
4. "Indirect Studies of Electroweakly Interacting Particles at 100 TeV Hadron Colliders", 2019/5/6, Pheno 2019, Pittsburgh
5. "Indirect Studies of Electroweakly Interacting Particles at 100 TeV Hadron Colliders", 2019/4/9, Seminar, KEK
6. "Probing Electroweakly Interacting Massive Particles with Precision Measurements at 100 TeV Hadron Colliders (poster)", 2019/2/21, HPNP2019, Osaka
7. "Solutions to Domain Wall Problem in Models with Discrete Flavor Symmetry", 2019/1/11, Seminar, Hokkaido University
8. "Flavon Stabilization in Models with Discrete Flavor Symmetry", 2018/12/6, KEK-PH 2018 winter, Tsukuba
9. "Probing Electroweakly Interacting Massive Particles with Drell-Yan Process at 100 TeV Hadron Colliders", 2018/10/16, Seminar, Nagoya University

10. “Zero Mode Problem in the Calculation of Decay Rate of the SM Electroweak vacuum”, 2018/9/15, JPS 2018, Shinshu
11. “Indirect Search of WIMP Dark Matter at Future 100 TeV Collider (Poster)”, 2018/8/9, PPP 2018, Kyoto
12. “Decay Rate of the Electroweak Vacuum in the Standard Model and Beyond”, 2018/7/12, Cargese Summer School 2018
13. “Decay Rate of the Electroweak Vacuum in the Standard Model and Beyond”, 2018/5/24, Planck 2018, Bonn
14. “Bottom Tau Unification in Supersymmetric Models (Poster)”, 2017/8/3, PPP 2017, Kyoto
15. “Bottom Tau Unification in Supersymmetric Models (Poster)”, 2017/7/4, Les Houches Summer School 2017
16. “Bottom-Tau Unification in Supersymmetric Models”, 2017/2/6, New Physics Forum, IPMU
17. “Bottom-Tau unification in Supersymmetric Model with Anomaly-Mediation”, 2016/9/21, JPS 2016, Miyazaki
18. “Bottom-Tau unification in Supersymmetric Model with Anomaly-Mediation”, 2016/7/05, SUSY 2016, Melbourne

Awards

1. Best Poster Award @ HPNP 2019