

# Curriculum Vitae

So Chigusa

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## Personal Data

First Name: So  
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Date of Birth: May 22, 1992  
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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] 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. D* **97** (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)”, 2019/2/21
2. “Solutions to Domain Wall Problem in Models with Discrete Flavor Symmetry”, 2019/1/11
3. “Flavon Stabilization in Models with Discrete Flavor Symmetry”, 2018/12/6
4. “Probing Electroweakly Interacting Massive Particles with Drell-Yan Process at 100 TeV Hadron Colliders”, 2018/10/16
5. “Zero Mode Problem in the Calculation of Decay Rate of the SM Electroweak vacuum”, 2018/9/15
6. “Indirect Search of WIMP Dark Matter at Future 100 TeV Collider (Poster)”, 2018/8/9
7. “Decay Rate of the Electroweak Vacuum in the Standard Model and Beyond”, 2018/7/12
8. “Decay Rate of the Electroweak Vacuum in the Standard Model and Beyond”, 2018/5/24
9. “Bottom Tau Unification in Supersymmetric Models (Poster)”, 2017/8/3
10. “Bottom Tau Unification in Supersymmetric Models (Poster)”, 2017/7/4
11. “Bottom-Tau Unification in Supersymmetric Models”, 2017/2/6
12. “Bottom-Tau unification in Supersymmetric Model with Anomaly-Mediation”, 2016/9/21

13. “Bottom-Tau unification in Supersymmetric Model with Anomaly-Mediation”,  
2016/7/05

## **Awards**

1. Best Poster Award @ HPNP 2019