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[iNSPIREHEP](#)

Publications (Including Preprints)

2023 - **Relativistic Hydrodynamics under Rotation: Prospects & Limitations from a Holographic Perspective**
arXiv:[2308.11686](#)
2023 - **Modes of the Sakai-Sugimoto soliton**
arXiv:[2306.00677](#)
2023 - **Convergence of hydrodynamics in rapidly spinning strongly coupled plasma**
[10.1103/PhysRevD.108.046014](#) - arXiv:[2112.10781](#)
2022 - **Chaos and pole-skipping in a simply spinning plasma**
[10.1007/JHEP02\(2023\)253](#) - arXiv:[2211.00016](#)
2020 - **Hydrodynamics of simply spinning black holes & hydrodynamics for spinning quantum fluids**
[10.1007/JHEP12\(2020\)112](#) - arXiv:[2007.04345](#)
2020 - **Resonating AdS soliton**
[10.1007/JHEP08\(2020\)136](#) - arXiv:[2006.12783](#)
2019 - **Dispersion relations in non-relativistic two-dimensional materials from quasinormal modes in H \ddot{o} rava Gravity**
[10.1007/JHEP10\(2019\)087](#) - arXiv:[1905.11993](#)

Education

PhD in Theoretical Physics 2016-2021, The University of Alabama - USA, Tuscaloosa
Study Abroad in JYPE 2014-2015, Tohoku University - Japan, Sendai
BS in Engineering Physics 2012-2016, The Colorado School of Mines - USA, Golden

Appointments/Employments

JSPS Postdoc August 2023 - August 2024
Yamagata University
Technical Consultant January 2023 - May 2023
Quantum Data Center
Technical Consultant August 2022 - May 2023
[quantumz.io](#)
Postdoc 2022 - 2023
Henan University
Contract Tutor 2017 - 2021
[Appliedtutoring.com](#)
PhD Student 2016 - 2021
The University of Alabama
Graduate Teaching Assistant 2016 - 2021
The University of Alabama

Miscellaneous

Given Talks

Noncommutative Integrable Systems <i>Online</i>	March, 2024
Holotube <i>Online</i>	December, 2023
Online workshop on topological solitons <i>Online</i>	September, 2023
Research Seminar <i>Tokyo University</i>	February, 2020
Research Seminar <i>Ochanomizu University</i>	February, 2020
Research Seminar <i>Chuo University</i>	February, 2020
Research Seminar <i>Würzburg University</i>	July, 2019
Frankfurt Institute for Advanced Studies <i>Würzburg University</i>	July, 2019
3rd Karl Schwarzschild Conference <i>Würzburg University</i>	July, 2017

Awards

Japanese-Language Proficiency Test (JLPT) N2 Level Certification	2023
Japan Society for the Promotion of Science Fellowship <i>Yamagata University</i>	2023
Outstanding Research by a Master's Student <i>The University of Alabama</i>	2020
JASSO <i>Tohoku University</i>	2014
Private Scholoship <i>Pagosa Springs High School</i>	2008

Memberships

President <i>Physics and Astronomy Graduate Physics Association of the University of Alabama</i>	2017 - 2021
Secretary <i>Japanese American Cultural Exchange Club of the University of Alabama</i>	2017 - 2020