Curriculum Vitae

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Personal Information

Name: Shan Zhou
Education: 2nd year Ph.D. student
email: shan_zhou@physics.ucsb.edu

Research Interests

String theory and mathematical physics. Currently I am interested in derived algebraic geometry and its application to physics.

Education

Current	Ph.D. Student, Advisor: David R. Morrison
	Department of Physics,
Sep 2018	**University of California, Santa Barbara**, CA, USA
Jun 2017	Undergraduate Visiting Student:
	Department of Physics,
Feb 2017	**University of Michigan**, Ann Arbor, MI, USA
Jul 2018	Undergraduate:
	Yao Class, Institute for Interdisciplinary Information Sciences,
Aug 2014	**Tsinghua University**, Beijing, China

Conferences Attended

Jan 2020	Geometry and Analysis of Moduli Spaces Imperial College
Sep 2019	Simons Collaboration on Special Holonomy in Geometry, Analysis and Physics: Third Annual Meeting Simons Foundation
Sep 2019	Special Holonomy: Progress and Open Problems 2019 Simons Center for Geometry and Physics
Jul 2019	SMS 2019: Tendances Actuelles en Topologie Symplectique Université de Montréal
Jan 2019	Between Topology and Quantum Field Theory University of Texas at Austin

Publications

Liang Kong, Yin Tian, and Shan Zhou,
The center of monoidal bicategories in 3+1D Dijkgraaf-Witten Theory, Adv.Math. 360 (2020) 106928 - Published 22 January 2020
James T. Liu, Leopoldo A. Pando Zayas, and Shan Zhou,
Subleading Microstate Counting in the Dual of Massive Type IIA, arXiv:1808.10445
James T. Liu, Leopoldo A. Pando Zayas, and Shan Zhou,
Comments on Higher Rank Wilson Loops in $\mathcal{N} = 2^*$, JHEP01(2018)047 - Published 11 Janurary 2018
Xiao Yuan, Quanxin Mei, Shan Zhou, and Xiongfeng Ma,
Reliable and robust entanglement witness, Phys. Rev. A **93**, 042317 - Published 12 April 2016

Teaching

Teaching Assistant: 2019 Spring, Basic Physics
Grader: 2019 Winter, Relativistic Quantum Field Theory II
Grader: 2019 Winter, The Many Body Problem in Condensed Matter Physics I
Grader: 2018 Fall, Relativistic Quantum Field Theory I
Grader: 2018 Fall, Basic Astronomy