

Yue Zhao

Physics & Astronomy Department

University of Utah

115 South 1400 East #201

Salt Lake City, UT 84112

(732) 763-7931

zhaoyue@physics.utah.edu

PROFESSIONAL POSITIONS

- **2018-present**, Assistant Professor, University of Utah
- **2015-2018**, Postdoc, MCTP, University of Michigan
- **2012-2015**, Research Associate, SITP/SLAC, Stanford University
- **2009-2012**, Graduate Assistant, Department of Physics, Rutgers University
- **2007-2008** Teaching Assistant, Department of Physics and Astronomy, Rutgers University

CITIZENSHIP

- Chinese

EDUCATION

- **Ph.D. in High Energy Physics**
Department of Physics, Rutgers University, July 2012
Advisor: Scott Thomas
- **B.S. in Physics**
Department of Physics, Peking University, Beijing, China, July 2007

INSPIRES:

- <http://inspirehep.net/author/profile/Yue.Zhao.1>

RESEARCH INTERESTS

- Dark Matter Searches
- High Energy Phenomenology and Model Building
- Gravitational Wave
- AdS/CFT and its Applications

TEACHING EXPERIENCE

- Teaching Assistant at Rutgers University, 2007-2008

Courses: Classical Mechanics
General Physics Lab
Quantum Mechanics
Electricity and Magnetism,
Quantum Field Theory,
Astrophysics and Cosmology

ACADEMIC HONORS AND AWARDS

- **T. D. Lee fellowship**, T. D. Lee Institute, 2017
- **DOE fellowship**, Rutgers University, 2010 - 2012
- **Innovation Award**, Peking University, 2007
- **Outstanding Undergraduate Research Paper**, Peking University, 2007
- **Research Scholarship from President Foundation**, Peking University, 2007
- **Research Scholarship from President Foundation**, Peking University, 2006

PROFESSIONAL SERVICE

- **DM: WIMP and beyond**
Workshop Organizer, T. D. Lee Institute, May 17-18, 2017
- **Beyond the Standard Model Workshop**
Workshop Organizer, MCTP, October 10 - 12, 2016
- **Brown Bag Seminars at MCTP**
Seminar Organizer, MCTP, since Jan. 2016

SEMINAR AND INVITED TALKS

- **Dark Matter Beyond Weakly Interacting Massive Particles**
Colloquium, University of Utah, 2018
- **Searching for Confining Hidden Valleys at the LHC(b)**
Scalars 2017, Warsaw, Poland, 2017
- **Searching for Confining Hidden Valleys at the LHC(b)**
Implications of LHCb measurements and future prospects, CERN, 2017
- **Using LISA-like Gravitational Wave Detector to Search for Primordial Black Holes**
27th Midwest Relativity Meeting, MCTP, University of Michigan, 2017

- **Searching for Confining Hidden Valleys at the LHC(b)**
theory seminar, Perimeter Institute, 2017
- **Boosted dark matter signatures at neutrino experiments**
NUFACT2017, Uppsala University, Sweden, 2017
- **Hidden Valley search at the LHCb**
New Physics Interpretations at the LHC 2, Argonne National Lab, 2017
- **Neutrino Experiments For DM Detection**
theory seminar, Northwestern University, 2017
- **Hidden Valley search at the LHCb**
theory seminar, Cornell University,, US, 2017
- **Hidden Valley search at the LHCb**
theory seminar, University of Wisconsin - Madison, US, 2017
- **Probing dark matter self-interactions at the LHC**
LHCP, Shanghai Jiao Tong University, China, 2017
- **Naturalness from a Composite Top?**
theory seminar, Argonne National Lab, US, 2017
- **Neutrino experiments for dark matter direct detection**
Beyond WIMPs: from Theory to Detection, Stony Brook University-SUNY, US, 2017
- **DM scattering in superconductors**
New Ideas in Dark Matter workshop, Maryland University, 2017
- **Dark Matter Beyond Weakly Interacting Massive Particle**
theory seminar, Tsinghua University, Beijing, China, 2017
- **Neutrino Experiments For DM Detection**
theory seminar, Peking University, Beijing, China, 2017
- **Dark Matter Beyond Weakly Interacting Massive Particle**
theory seminar, ITP-CAS, Beijing, China, 2017
- **Neutrino Experiments For DM Detection**
theory seminar, T.D.Lee Institute, Shanghai, China, 2017
- **Being Flat With No Symmetries**
theory seminar, FermiLab, USA, 2017
- **Neutrino Experiments For DM Detection**
theory seminar, Los Alamos, USA, 2016
- **Neutrino Experiments For DM Detection**
theory seminar, Cincinnati , USA, 2016

- **Neutrino Experiments For DM Detection**
theory seminar, UIUC, USA, 2016
- **Naturalness from a Composite Top?**
theory seminar, University of Notre Dame, USA, 2016
- **Naturalness from a Composite Top?**
Beyond the Standard Model Workshop, University of Michigan, USA, 2016
- **Naturalness from a Composite Top?**
theory seminar, UC Riverside, USA, 2016
- **Naturalness from a Composite Top?**
theory seminar, UC Irvine, USA, 2016
- **Naturalness from a Composite Top?**
theory seminar, Caltech, USA, 2016
- **Naturalness from a Composite Top?**
KITPC/TeV/CEPC workshop , KITPC, China, 2016
- **Split Coupling SUSY**
Pheno 2016, University of Pittsburgh, USA, 2016
- **Detecting DM with superconductors**
Dark Forces 2016, SLAC, USA, 2016
- **Split Coupling SUSY**
1st PIKIO Meeting, University of Cincinnati, USA, 2016
- **Light Scalar Boson With No Symmetries**
Elementary Particle Seminar, University of Maryland, USA, 2015
- **Being Flat With No Symmetries**
High Energy Theory Seminar, MCTP, University of Michigan, USA, 2015
- **Being Flat With No Symmetries**
SUSY 2015, Lake Tahoe, CA, USA, 2015
- **The AdS₃/CFT₂ Avatar of the (Little) Hierarchy Problem**
The 4th MCTP Spring Symposium, University of Michigan, USA, 2015
- **The AdS₃/CFT₂ Avatar of the (Little) Hierarchy Problem**
theory seminar, KITP, USA, 2015
- **The AdS₃/CFT₂ Avatar of the (Little) Hierarchy Problem**
Particle Physics Seminar, Princeton University, USA, 2015
- **The AdS₃/CFT₂ Avatar of the (Little) Hierarchy Problem**
theory seminar, UCSD, USA, 2015

- **The AdS₃/CFT₂ Avatar of the (Little) Hierarchy Problem**
TEP Seminars, UCLA, USA, 2015
- **A Parametrically Enhanced Hidden Photon Search**
LHC/BSM Journal Club, MIT, USA, 2014
- **A Parametrically Enhanced Hidden Photon Search**
theory seminar, Boston University, USA, 2014
- **Explicitly Broken Supersymmetry with Exactly Massless Moduli**
Journal Club, Rutgers, USA, 2014
- **A Parametrically Enhanced Hidden Photon Search**
theory seminar, SUNY-Stony Brook, USA, 2014
- **Explicitly Broken Supersymmetry with Exactly Massless Moduli**
theory seminar, UC Berkeley, USA, 2014
- **A Parametrically Enhanced Hidden Photon Search**
theory seminar, UC Riverside, USA, 2014
- **A Parametrically Enhanced Hidden Photon Search**
theory seminar, Caltech, USA, 2014
- **A Parametrically Enhanced Hidden Photon Search**
theory seminar, SISSA, Italy, 2014
- **Dark Matter Induced Nucleon Decay: Model and Signatures**
theory seminar, University of Wisconsin–Madison, USA, 2013
- **Dark Matter Induced Nucleon Decay: Model and Signatures**
theory seminar, University of Michigan, USA, 2013
- **A Complete Model of Low-Scale Gauge Mediation**
theory seminar, UC Davis, USA, 2012
- **A Complete Model of Low-Scale Gauge Mediation**
theory seminar, SLAC, USA, 2012
- **A Complete Model of Low-Scale Gauge Mediation**
theory seminar, Berkeley, USA, 2012
- **Diagnosing the top-quark angular asymmetry using LHC intrinsic charge asymmetries**
theory seminar, Harvard, USA, 2012
- **Early searches for super particles at the LHC**
SUSY 2011, Fermilab, USA, 2011
- **Super particles at the LHC: Early searches and mass measurements**
theory seminar, SLAC, USA, 2011
- **Super particles at the LHC: Early searches and mass measurements**

theory seminar, UC Santa Cruz, USA, 2011

- **Extracting Particle Masses from Missing Energy Signatures with Displaced Tracks**
PHENO 2011, University of Wisconsin at Madison, USA, 2011

CONFERENCES, WORKSHOPS AND SCHOOLS

- **KITP Sensitivity Frontier Workshop**
KITP, UCSB, USA, 2018
- **Beyond the Standard Model Workshop**
University of Michigan, USA, 2016
- **Aspen Center for Physics 2016 Summer Season**
Aspen, USA, 2016
- **KITPC/TeV/CEPC workshop**
KITPC, China, 2016
- **Pheno 2016**
University of Pittsburgh, USA, 2016
- **Dark Forces 2016**
SLAC, USA, 2016
- **1st PIKIO Meeting**
University of Cincinnati, USA, 2016
- **SUSY 2015**
Lake Tahoe, CA, USA, 2015
- **The 4th MCTP Spring Symposium**
University of Michigan, USA, 2015
- **Exploring the Physics Frontier with Circular Colliders**
Aspen, USA, 2015
- **Frontiers of New Physics: Colliders and Beyond**
ICTP, Italy, 2014
- **The Search for Fundamental Physics: Higgs Bosons and Supersymmetry**
UC Santa Cruz, USA, 2013
- **West Coast LHC Theory Meeting**
UC Riverside, USA, 2012
- **SavasFest**
Stanford, USA, 2012
- **Exact Methods in Gauge/String Theories**

Princeton University, USA, 2011

- **String Theory and its Applications: from meV to the Plank Scale**
TASI, University of Colorado, USA, 2010
- **AdS/CFT: New Developments and Applications**
Princeton University, USA, 2010
- **AdS/CFT: New Developments and Applications**
Princeton University, USA, 2009
- **Physics of the Large and the Small**
TASI, University of Colorado, USA, 2009
- **Current Trends in Dark Matter, Institute for Advanced Studies**
Princeton University, USA, 2009
- **Winter School in Theoretical Physics, Institute for Advanced Studies**
Hebrew University, Israel, 2009.
- **International Conference on Frontier Physics**
KITPC, Beijing, China, 2007