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

PROFESSIONAL MEMBERSHIP
- **2019-present**, LIGO Scientific Collaboration, PI of the Utah-LIGO Group

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

- Courses: 7220 Quantum mechanics I (3 times)
  5450 Introduction to Quantum Mechanics (twice)
  3740 Introduction to Relativity and Quantum Mechanics (once)
  2710 Phys III-Modern Physics (once)
  ACCESS summer program
- Teaching Assistant at Rutgers University, 2007-2008

GRANT

- The Gordon and Betty Moore Foundation Fundamental Physics Innovation Awards (Visitor Award), APS
  $8K, 2021, The Gordon and Betty Moore Foundation & APS

- DOE
  FY 2019 Research Opportunities in High Energy Physics
  *Novel strategies to identify dark matter and new physics beyond the Standard Model*
  $102K, 2019-2020, Department of Energy
  $102K, 2020-2021, Department of Energy
  $112K, 2021-2022, Department of Energy

  FY 2022 Research Opportunities in High Energy Physics
  *DESI Experimental Studies and Novel Searches For New Physics at the University of Utah*
  $110K, 2022-2023, Department of Energy
  $120K, 2023-2024, Department of Energy
  $130K, 2024-2025, Department of Energy

- Research Incentive Seed Grant
  *Using Gravitational Wave Detector to Look for Dark Photon Dark Matter*
  $20K, 2019-2020, University of Utah

ACADEMIC HONORS

- The Gordon and Betty Moore Foundation Fundamental Physics Innovation Awards (Visitor Award), APS
- 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

POSTDOCS & STUDENTS

• Current Postdoc: Ben Sheff, Natalia Tapia Arellano
• Former Postdoc: Bartosz Fornal (Faculty @ Barry University)
                  Huaike Guo (Faculty @ ICTP-AP)
Ph.D. Student:    Samuel Liebersbach (Ph.D. @ University of Utah)
                  Fengwei Yang (postdoc @ University of Florida)
• Master Student:  Chonghuan Li (industry)
• Undergraduate Student: Maria Stokes (intern @ American Institute of Physics)
                        Hoang Nguyen Long (industry)
                        Grace Bramlage (B.S. @ University of Utah)
                        Bella Coronado (B.S. @ University of Utah)
                        Isaac Martin (Ph.D. @ UT-Austin)
                        Abel Shiferaw (REU student, Ph.D. @ UC Berkeley)

PROFESSIONAL SERVICE

Departmental Services

• Theory (HET/CMT) Faculty Search Committee, 2021-2022
• High Energy Theory Faculty Search Committee, 2019-2020
• Multi-Messenger Astronomy Faculty Search Committee, 2019-2020
• Graduate Admissions and Recruitment, 2019, 2020, 2022
• Graduate Comprehensive Exam Committee 2021, 2022
• Department colloquium committee, 2019, 2021
• Departmental Future’s Committee, 2021
• Committee to initiate the PANDA Network, 2022
• Contribute to the undergraduate curriculum reform, 2022
• Master of Science for Secondary School Teachers program
  Graduate committee, 2018
• HEAP seminar committee
  Chair, 2021; Member, 2022
• Gravitational Wave Journal Club
Organizer, 2020

• **HEP & Cosmic Ray Journal Club**
  Organizer, 2019

• **Searching for new physics - Leaving no stone unturned!**
  Workshop Organizer, University of Utah, Aug. 4-10, 2019

**College Services**

• **ACCESS program**
  Instructor, 2021
  ACCESS Scholars Selection Committee, 2023
  ACCESS Liaison, the Department of Physics and Astronomy, 2023-2024

• **College of Science Council**
  Representative, the Department of Physics and Astronomy, 2023

• **College of Science Seed Grant Panel, University of Utah**
  Panelist, 2020

• **EDGES fellowship program**
  Reviewer, 2020

**External Services**

• **DOE grant review**
  Panelist

• **Utah-LIGO group**
  PI of the group, 2019-present

• **Local Organizing Committee for NuFACT2022**
  Co-Chair, 2022

• **Journal Referee**
  Journal of High Energy Physics, Modern Physics Letters A, Nuclear Physics B,
  International Journal of Modern Physics A, Journal of Cosmology and Astroparticle Physics,
  Annals of Physics, Chinese Physics C/Letter, The European Physical Journal C

• **Dark Odyssey 2020: Gravitational-Wave Probes of Dark Universe**
  International Organizer, Seoul National University, Korea, Jan. 4-7, 2020

• **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**
INVITED TALKS

- **Stringent axion constraints with EHT polarimetric measurements of M87**
  LCTP Symposium on Astrophysical Signatures of Dark Matter, University of Michigan, 2023

- **Searching for ultralight dark matter candidates at the precision frontier**
  Symposium on Illuminating Dark Matter, Simons Foundation, Germany, 2023

- **Stringent axion constraints with EHT polarimetric measurements of M87**
  distinguished Lecture, International Congress of Basic Science, 2023

- **Probing Axions with Event Horizon Telescope Polarimetric Measurements**
  theory seminar, University of Minnesota, 2023

- **Probing Axions with Event Horizon Telescope Polarimetric Measurements**
  theory seminar, University of Florida, 2022

- **Searching for ultralight dark matter candidates at the precision frontier**
  theory seminar, Southern University of Science and Technology, 2022

- **Astrophysical Probes to New Physics Beyond the Standard Model**
  theory seminar, University of Chongqing, 2022

- **Searching for ultralight dark matter candidates at the precision frontier**
  Summer school for New Physics and Dark Matter, Nanjing Normal University, 2022

- **Stringent axion constraints with EHT polarimetric measurements of M87**
  theory seminar at the astro group meeting, MIT, 2021

- **Probing Axions with Event Horizon Telescope Polarimetric Measurements**
  theory seminar, Texas A&M University, 2021

- **Astrophysical Probes to New Physics Beyond the Standard Model**
  Colloquium, Brigham Young University, 2021

- **Astrophysical Probes to New Physics Beyond the Standard Model**
  Colloquium, Syracuse university, 2021

- **Astrophysical Probes to New Physics Beyond the Standard Model**
  Colloquium, Nanjing University, 2020

- **Searching for axion-like particles using black holes and pulsars**
  theory seminar, Tsinghua University, 2020

- **Probing Axions with Event Horizon Telescope Polarimetric Measurements**
  theory seminar, Shanghai Astronomical Observatory, 2020

- **Exotic Searches at LXe Experiments**
  DM detection and neutrino physics with LXe experiment workshop, China, 2020
• Producing and detecting long-lived particles at different experiments at the LHC
  *The 7th LHC LLP Community workshop, CERN (virtual), 2020*

• Searching for Dark Photon DM with GW Detectors, O1 and beyond
  *Plenary Talk, XIV International Particle Physics and Cosmology Conference, US, 2020*

• Searching for axion-like particles using black holes and pulsars
  *theory seminar, University of Oregon, 2020*

• Searching for Dark Photon DM with GW Detectors, O1 and beyond
  *Dark Odyssey 2020: Gravitational-Wave Probes of Dark Universe, SNU, Korea, 2020*

• Searching for Dark Photon DM with GW Detectors, O1 and beyond
  *theory seminar, Arizona State University, 2019*

• Searching for Dark Photon DM with GW Detectors, O1 and beyond
  *Plenary Talk, DM@LHC2019, Seattle, Washington, U.S., 2019*

• Searching for Dark Photon DM with GW Detectors, O1 and beyond
  *Plenary Talk, FLASY2019, Shanghai, China, 2019*

• Searching for axion-like particles using black holes and pulsars
  *theory seminar, Fudan University, 2019*

• Searching for axion-like particles using black holes and pulsars
  *theory seminar, Zhejiang University, 2019*

• Searching for Dark Photon DM with GW Detectors, O1 and beyond
  *Searching for New Physics on the Horizon, New Physics @ Korea Institute, 2019*

• Searching for Dark Photon DM with GW Detectors, O1 and beyond
  *BSM - Weak Scale, MIAPP, Munich, Germany, 2019*

• Searching for Dark Photon DM with GW Detectors, O1 and beyond
  *theory seminar, Peking University, 2019*

• Searching for axion-like particles using black holes and pulsars
  *theory seminar, Institute of High Energy Physics-CAS, 2019*

• Searching for Dark Photon DM with GW Detectors, O1 and beyond
  *theory seminar, LBNL, 2019*

• Searching for Dark Photon Dark Matter with Gravitational Wave Detectors
  *PITT PACC Workshop: BSM circa 2020, University of Pittsburgh, 2019*

• Searching for Dark Photon Dark Matter with Gravitational Wave Detectors
  *TRIUMF Theory Workshop on Dark Matter Signals, TRIUMF, 2019*

• Searching for Dark Photon Dark Matter with Gravitational Wave Detectors
  *theory seminar, Harvard University, 2018*
• Searching for Confining Hidden Valleys at the LHC(b)
  theory seminar, Nanjing University, China, 2018
• Searching for Dark Photon Dark Matter with Gravitational Wave Detectors
  theory seminar, Institute of High Energy Physics, China, 2018
• Searching for Dark Photon Dark Matter with Gravitational Wave Detectors
  International Workshop on "Physics Beyond the Standard Model", T.D.L. Institute, 2018
• 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

- LIGO-Virgo-KAGRA Collaboration Meeting
  Northwestern University, 2023

- 2019 Meeting of the APS Division of Particles and Fields
  Boston, USA, 2019

- 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
Publication List

Yue Zhao

1. Blowing in the Dark Matter Wind
   Hannah Day, Da Liu, Markus A. Luty, Yue Zhao
   e-Print: 2312.13345 [hep-ph]
   Submitted to JHEP

2. Search for dark photons with synchronized quantum sensor network
   M. Jiang, T. Hong, D. Hu, Y. Chen, F. Yang, T. Hu, X. Yang, J. Shu, Y. Zhao, X. Peng
   e-Print: 2305.00890 [quant-ph]
   Submitted to Nature Communications

3. Probing the pulsar explanation of the Galactic-Center GeV excess using continuous gravitational-wave searches
   Andrew Miller, Yue Zhao
   e-Print: 2301.10239 [astro-ph.HE]
   Phys.Rev.Lett. 131 (2023) 8, 8

4. Probing early Universe supercooled phase transitions with gravitational wave data
   C. Badger, B. Fornal, K. Martinovic, A. Romero, K. Turbang, H. Guo, A. Mariotti,
   M. Sakellariadou, A. Sevrin, F. Yang, Y. Zhao
   e-Print: 2209.14707 [hep-ph]
   Phys.Rev.D 107 (2023) 2, 023511

5. Birefringence tomography for axion cloud
   Y. Chen, C. Li, Y. Mizuno, J. Shu, X. Xue, Q. Yuan, Y. Zhao, Z. Zhou
   e-Print: 2208.05724 [hep-ph]
   JCAP09(2022)073

6. Detection of Early-Universe Gravitational Wave Signatures and Fundamental Physics
   Caldwell, et. al.
   Contributed as one of the key authors
   e-Print: 2203.07972 [gr-qc]
   Gen.Rel.Grav. 54 (2022) 12, 156
   2022 Snowmass Summer Study

7. High-precision search for dark photon DM with the Parkes Pulsar Timing Array with PPTA collaboration
   Contributed as one of the key authors
   e-Print: arXiv:2112.07687 [hep-ph]
   Phys. Rev. Research 4, L012022 - Letter
   Editors' Suggestion

8. Earth Shielding and Daily Modulation from Electrophilic Boosted Dark Matter
   Yifan Chen, Bartosz Fornal, Pearl Sandick, Jing Shu, Xiao Xue, Yue Zhao, Junchao Zong
   e-Print: 2110.09685 [hep-ph]
   Phys.Rev.D 107 (2023) 3, 033006

9. Stochastic Gravitational Wave Background from PBH-ABH Mergers
   Wenfeng Cui, Fei Huang, Jing Shu, Yue Zhao
   e-Print: 2108.04279 [astro-ph.CO]
   Chin.Phys.C 46 (2022) 5, 055103
10. Constraints on dark photon dark matter using data from LIGO's and Virgo's third observing run
LIGO-Virgo-KAGRA Collaboration
Author in the paper-writing team
e-Print: 2105.13085 [astro-ph.CO]
Phys.Rev.D 105 (2022) 6, 063030

11. Stringent constraints on axion-photon coupling with Event Horizon Telescope polarimetric measurements of supermassive black hole M87
Y. Chen, Y. Liu, R. Lu, Y. Mizuno, J. Shu, X. Xue, Q. Yuan, Y. Zhao
e-Print: 2105.04572 [hep-ph]
Nature Astron. 6 (2022) 5, 592-598

12. Gravitational Waves from Mini-Split SUSY
Bartosz Fornal, Barmak Shams Es Haghi, Jiang-Hao Yu, Yue Zhao
e-Print: 2104.00747 [hep-ph]
Phys.Lett.B 815 (2021) 136151

13. Implications for First-Order Cosmological Phase Transitions from the Third LIGO-Virgo Observing Run
A. Romero, K. Martinovic, T. Callister, H. Guo, M. Martinez, M. Sakellariadou, F. Yang, Y. Zhao
e-Print: 2102.01714 [hep-ph]
Phys. Rev. Lett. 126, 151301 (2021)

14. Constraints on cosmic strings using data from the third Advanced LIGO-Virgo observing run
LIGO-Virgo-KAGRA Collaboration
Author in the paper-writing team
e-Print: 2101.12248 [gr-qc]
Phys.Rev.Lett. 126 (2021) 241102
Editors' Suggestion

15. Mechanical Quantum Sensing in the Search for Dark Matter
Daniel Carney, et. al.
e-Print: arXiv:2008.06074 [physics.ins-det]
Quantum Science and Technology-100938.R1

16. Boosted Dark Matter Interpretation of the XENON1T Excess
Bartosz Fornal, Pearl Sandick, Jing Shu, Meng Su, Yue Zhao
e-Print: arXiv:2006.11264 [hep-ph]
Phys.Rev.Lett. 125 (2020) 16, 161804
Featured in Physics
Editors' Suggestion

17. Baryonic and Leptonic GeV Dark Matter
Bartosz Fornal, Alec Hewitt, Yue Zhao
e-Print: arXiv:2011.09014 [hep-ph]
Phys.Lett.B 811 (2021) 136151

18. Dark Matter Capture by Atomic Nuclei
Bartosz Fornal, Benjamin Grinstein, Yue Zhao
e-Print: arXiv: 2005.04240 [hep-ph]
Phys.Lett.B 811 (2020) 135869

19. Producing and detecting long-lived particles at different experiments at the LHC
20. Prospects for Detecting Boosted Dark Matter in DUNE through Hadronic Interactions
J. Berger, Y. Cui, M. Graham, L. Necib, G. Petrillo, D. Stocks, Y. Tsai, Y. Zhao
e-Print: arXiv:1912.05558 [hep-ph]
Phys.Rev.D 103 (2021) 9, 095012

21. Ultralight dark matter detection with mechanical quantum sensors
Daniel Carney, Anson Hook, Zhen Liu, Jacob M. Taylor, Yue Zhao
e-Print: arXiv:1908.04797 [hep-ph]
New J.Phys. 23 (2021) 2, 023041

22. Searching for Dark Photon Dark Matter in LIGO O1 Data
Huai-Ke Guo, Keith Riles, Feng-Wei Yang, Yue Zhao
e-Print: arXiv:1905.04316 [hep-ph]
Nature - Commun.Phys. 2 (2019) 155

23. Probing Axions with Event Horizon Telescope Polarimetric Measurements
Yifan Chen, Jing Shu, Xiao Xue, Qiang Yuan, Yue Zhao
e-Print: arXiv:1905.02213 [hep-ph]
Phys.Rev.Lett. 124 (2020) 6, 061102

24. Detecting dark photon dark matter with Gaia-like astrometry observations
Huai-Ke Guo, Yingqi Ma, Jing Shu, Xiao Xue, Qiang Yuan, Yue Zhao
e-Print: arXiv:1902.05962 [hep-ph]
JCAP 1905 (2019) no.05, 015

25. Detecting Axion-like Dark Matter with Linearly Polarized Pulsar Light
Tao Liu, George Smoot, Yue Zhao
e-Print: arXiv:1901.10981 [astro-ph.CO]
Phys.Rev.D 101 (2020) 6, 063012

26. Dark Photon Dark Matter Produced by Axion Oscillations
Raymond T. Co, Aaron Pierce, Zhengkang Zhang, Yue Zhao
e-Print: arXiv:1810.07196 [hep-ph]
Phys.Rev. D99 (2019) no.7, 075002

27. Searching for Dark Photon Dark Matter with Gravitational Wave Detectors
Aaron Pierce, Keith Riles, Yue Zhao
e-Print: arXiv:1801.10161 [hep-ph]
Phys.Rev.Lett. 121 (2018) no.6, 061102

28. Using LISA-like Gravitational Wave Detectors to Search for Primordial Black Holes
Huai-Ke Guo, Jing Shu, Yue Zhao
e-Print: arXiv:1709.03500 [astro-ph.CO]
Phys.Rev. D99 (2019) no.2, 023001

29. A Strong Test of the Dark Matter Origin of the 1.4 TeV DAMPE Signal Using IceCube Neutrinos
Yue Zhao, Ke Fang, Meng Su, M. Coleman Miller
e-Print: arXiv:1712.03210 [astro-ph.HE]
JCAP 1806 (2018) no.06, 030

30. Hidden Valley search at the LHCb
31. Was the Universe Actually Radiation Dominated Prior to Nucleosynthesis?
John T. Giblin, Gordon Kane, Eva Nesbit, Scott Watson, Yue Zhao
e-Print: arXiv:1706.08536 [hep-th]
Phys.Rev. D97 (2018) 095033

32. Establishing the Isolated Standard Model
James D. Wells, Zhengkang Zhang, Yue Zhao
e-Print: arXiv:1702.06954 [hep-ph]
Phys.Rev. D96 (2017) no.4, 043525

33. Cosmology and time dependent parameters induced by misaligned light scalar
Yue Zhao
e-Print: arXiv: 1701.02735 [hep-ph]
Phys.Rev. D96 (2017) no.11, 115002

34. Dark Sectors 2016 Workshop: Community Report
Jim Alexander et al.
e-Print: arXiv:1608.08632 [hep-ph]

35. Naturalness from a Composite Top?
Aaron Pierce, Yue Zhao
e-Print: arXiv:1607.01318 [hep-ph]
JHEP 1701 (2017) 054

36. Suppressing SUSY flavor violations through quenched gaugino-flavor interactions
James D. Wells, Yue Zhao
e-Print: arXiv:1604.01405 [hep-ph]
Phys.Rev. D95 (2017) no.11, 115033

37. Faking SM Photons by Displaced Dark Photon Decays
Yuhsin Tsai, Lian-Tao Wang, Yue Zhao
e-Print: arXiv:1603.00024 [hep-ph]
Phys.Rev. D95 (2017) no.1, 015027

38. Detecting Superlight Dark Matter with Fermi-Degenerate Materials
Yonit Hochberg, Matt Pyle, Yue Zhao, Kathryn M. Zurek
e-Print: arXiv:1512.04533v1 [hep-ph]
JHEP 1608 (2016) 057

39. Dark Matter Annihilation Decay at The LHC
Yuhsin Tsai, Lian-Tao Wang, Yue Zhao
e-Print: arXiv:1511.07433 [hep-ph]
Phys.Rev. D93 (2016) no.3, 035024

40. AdS/CFT and the Little Hierarchy Problem
Xi Dong, Daniel Z. Freedman, Yue Zhao
e-Print: arXiv:1510.01741 [hep-th]

41. Superconducting Detectors for Super Light Dark Matter
Yonit Hochberg, Yue Zhao, Kathryn M. Zurek
e-Print: arXiv:1504.07237 [hep-ph]
Phys.Rev.Lett. 116 (2016) 1, 011301
42. A Radio for Hidden-Photon Dark Matter Detection
S. Chaudhuri, P. W. Graham, K. Irwin, J. Mardon, S. Rajendran, Y. Zhao
e-Print: arXiv:1411.7382 [hep-ph]
Phys. Rev. D92 (2015) 7, 075012

43. Explicitly Broken Supersymmetry with Exactly Massless Moduli
Xi Dong, Daniel Z. Freedman, Yue Zhao
e-Print: arXiv:1410.2257 [hep-th]
JHEP 1606 (2016) 090

44. Detecting Boosted Dark Matter from the Sun with Large Volume Neutrino Detector
Joshua Berger, Yanou Cui, Yue Zhao
e-Print: arXiv:1410.2246 [hep-ph]
JCAP 1502 (2015) 02, 005

45. Parametrically enhanced hidden photon search
Peter W. Graham, Jeremy Mardon, Surjeet Rajendran, Yue Zhao
e-Print: arXiv:1407.4806 [hep-ph]
Phys. Rev. D90 (2014) 075017
Editors’ Suggestion

46. Indirect Detection Signatures for the Origin of Asymmetric Dark Matter
Yue Zhao, Kathryn M. Zurek
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