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| CONTACT INFORMATION | Department of Physics, University of California, Davis One Shields Avenue, Davis, CA 95616 <i>Homepage:</i> http://particle.physics.ucdavis.edu/hefti/members/doku.php?id=students:jiang | <i>Tel:</i> +1-(530)2197538 (USA) (to be suspended since May 2015) <i>E-mail:</i> yunjiang@ucdavis.edu ; wing0214@gmail.com |
| RESEARCH INTERESTS | LHC phenomenology and new physics implications including · Higgs boson physics beyond the standard model · Supersymmetry · Dark matter physics · Extra dimensions · Inflation of the early universe · Higgs triplet neutrino physics | |
| EDUCATION | Ph.D. in Physics University of California, Davis (UCD) , California, USA Thesis: <i>Higgs Physics Beyond the Standard Model</i> , Advisor: John F. Gunion | Aug. 28th, 2015 (expected) |
| | M.Sc. in Physics National University of Singapore (NUS) , Singapore | Mar. 31st, 2011 |
| | B.S. in Physics Zhejiang University (ZJU) , Hangzhou, P.R.China | Jun. 30th, 2008 |
| ACADEMIC EXPERIENCE | <i>Postdoctoral Fellow</i> Niels Bohr International Academy (NBIA) and Discovery Center Niels Bohr Institute, Copenhagen University | Sep. 2015 - Aug. 2018 |
| | <i>LHC Theory Initiative Graduate Fellow</i> | May 2013 - Apr. 2014 |
| | <i>Graduate Student Researcher</i> HEFTI, Department of Physics, University of California, Davis | Jul. 2012 - Jun. 2015 |
| | <i>Teaching Assistant</i> Department of Physics, University of California, Davis | Sep. 2010 - Jun. 2015 |
| HONORS AND AWARDS (SELECTED) | Nominee to Academic Outstanding Award (one from graduating UCD international graduates), Apr. 2015 Ryan Couch Memorial Fund, UCD Physics Department, Mar. 2015 Chinese Government Award for Outstanding Self-Funded Students Abroad, Feb. 2015 PITT PACC Travel Awards for PHENO 2014, May 2014 US NSF 2013 LHC-TI Graduate Fellowship, 2013-2014 UCD Graduate Program Fellowship, 2012 Block Grant Fellowship, University of California, 2011 NUS Research Scholarship, 2008-2010 ZJU Fudi Scholarship, 2007 Meritorious Winner in Mathematical Contest in Modeling (MCM), United States, 2007 | |
| PUBLICATIONS | My profile on the inSPIRE : 13 papers with a total of 475 citations (see List of Publication); these include 8 peer-reviewed journal articles with a total of 434 citations and 2 conference proceedings. | |
| INVITED TALKS (SELECTED) | About 40 invited seminar, workshop and conference talks and special lectures have been already delivered. ○ <i>Only one 125 GeV Higgs or not, and dark matter from Higgs portal</i> , UCD-Davis, 06/2015; NBI-Copenhagen, 06/2015 ○ <i>Only one 125 GeV Higgs, is that all?</i> , PHENO 2015, Pittsburgh, 05/2015 ○ <i>Scalar dark matter from a double Higgs portal</i> , BLV 2015 Workshop, Amherst, 04/2015 | |

- *Two-Higgs doublet model and singlet scalar dark matter*, UZH-Zurich, 12/2014; LPSC-Grenoble, 12/2014; IFIC-Valencia, 11/2014; Granada, 11/2014; IFT-Madrid, 11/2014
- *Focus on dark matter researches: confronting experiment with theory*, NUS-Singapore, 09/2014
- *2HDM at future colliders and its scalar dark matter extension*, HKUST-Hong Kong, 09/2014
- *Two-Higgs-doublet models at future colliders*, CEPC 2014, Shanghai, 09/2014
- *LHC8 constraints on and future prospects for two-Higgs-doublet models*, PASCOS 2014, Warsaw, 06/2014; PHENO 2014, Pittsburgh, 05/2014
- *Motivation and realization of isospin-violating dark matter*, Special Lecture-Davis, 05/2014
- *Higgs boson physics (I), (II)*, Special Lecture-Davis, 05/2014
- *Supersymmetric dark matter*, Special Lecture-Davis, 04/2014
- *Higgs boson and its incorporation with dark matter studies after the LHC-I run, Planck and LUX 2013*, Xiamen Univ., Xiamen, 02/2014
- *Fate of the 2HDM after the LHC8, Planck and LUX 2013*, ITP-CAS-Beijing, 01/2014; NKU-Tianjin, 01/2014
- *Global fitting with LHC Higgs signals in the 2HDMs*, SJTU-Shanghai, 09/2013; SCALARS 2013, Warsaw, 09/2013; Chongqing, 09/2013; TeV Physics Workshop, Dalian, 08/2013
- *(Very) light scalar dark matter in the Higgs models*, MITP Workshop, Mainz, 07/2013
- *Implication of ~ 125 GeV LHC Higgs signal towards the standard model beyond*, NUS-Singapore, 04/2013
- *125 GeV Higgs bosons in two-Higgs doublet models after Moriond 2013*, 1st IAS-CERN Workshop, Singapore, 03/2013; Rencontres de Moriond 2013, La Thuile, Italy, 03/2013

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| CONFERENCES, WORKSHOPS AND SCHOOLS ATTENDED (SINCE 2012) | Dec. 2015, Aug. 2015, May 2015, Apr. 2015, Sep. 2014, June 2014, May 2014, Sep. 2013, Sep. 2013, Aug. 2013, June 2013, June 2013, Apr. 2013, Mar. 2013, Mar. 2013, Mar. 2013, Jul. 2012, Apr. 2012, Jan. 2012, Jan. 2012, | SCALARS 2015, Warsaw, Poland 23rd International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY 2015), Tahoe City, USA Phenomenology 2015 Symposium (PHENO 2015), Pittsburgh, USA International Workshop on Baryon & Lepton Number Violation (BLV 2015), Amherst, USA The Fourth International Workshop on Future High Energy Circular Colliders (CEPC 2014), Shanghai, China 20th International Symposium on Particles, Strings and Cosmology (PASCOS 2014), Warsaw, Poland Phenomenology 2014 Symposium (PHENO 2014), Pittsburgh, USA SCALARS 2013, Warsaw, Poland International Workshop on Particle Physics and Cosmology after Higgs and Planck, Chongqing, China 2013 TeV Physics Workshop, Dalian, China MITP Workshop “Cosmic-Rays and Photons from Dark Matter Annihilation: Theoretical Issues”, Mainz, Germany Les Houches Workshop ”Physics at TeV Colliders” Session II, France The LHC Higgs Signal: Fits, Models and BSM Implications, University of California, Davis 1st LHC-IAS Workshop on Particle Physics and Cosmology - Status, Implications and Technology, NTU-IAS, Singapore Mini Higgs Boson Workshop, LPSC-Grenoble, France Rencontres de Moriond 2013 “Electroweak Interactions and Unified Theories”, La Thuile, Italy SLAC Summer Institute 2012 “The Electroweak Scale: Unraveling the Mysteries at the LHC”, SLAC National Accelerator Laboratory, Stanford University Dark Matter in Collision Workshop, University of California, Davis Implication of a 125 GeV Higgs Boson Workshop, LPSC-Grenoble, France School and Workshop on Strongly Coupled Physics Beyond the Standard Model, The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy |
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PROFESSIONAL
EXPERIENCE

Convener for Higgs session for SUSY 2015 conference
High Energy Frontier (HEF)-THEORY Division, North American Study
SNOWMASS-Young Particle Physicists list

Mar. - Aug. 2015
2012-present
2013

COMPUTER SKILLS

- Computer languages: Fortran, C++, Shell, Python
- Word processing: LaTeX, MS Office
- Software packages: Mathematica, GNUPlot, ROOT, Vim, JaxoDraw
- Operating systems: Macintosh, Linux, Windows, Ubuntu
- Program usage: NMSSMTools, micROMEGAs, 2HDMC, SusHi, FeynRules, RGErun