

Biographical Sketch – Tao Han

Professional Preparation

Nankai University	Theoretical Physics	M.S.	1983
University of Wisconsin, Madison	Physics	Ph.D.	1990
Fermi National Accelerator Lab	Theoretical Physics	Post Doc	1990-93

Appointments

Director, PITT PACC	University of Pittsburgh	2011-Present
Distinguished Professor	University of Pittsburgh	2014-Present
Professor	University of Pittsburgh	2011-2014
Co-Director, Phenomenology Inst.	University of Wisconsin-Madison	2006-2011
Professor	University of Wisconsin-Madison	2001-2011
Associate Professor	University of Wisconsin-Madison	1997-2001
Associate Professor II	University of California-Davis	1997
Assistant Professor	University of California-Davis	1993-1997

Awards.

National Superconducting Super-Collider Fellowship	1991-92
H.I. Romnes Faculty Fellowship, UW-Madison	2001-06
Hilldale Undergraduate/Faculty Research Award, UW-Madison	2001
Outstanding Researcher Award, Natural Science Foundation of China	2002-05
Election to Fellowship, American Physical Society	2003
Fermilab Frontier Fellowship	2004
Chang-Jiang Professorship, Ministry of Education, China	2004-07
1000 Talents Professor, Tsinghua University, China	2012-Present
KIAS Scholar, South Korea	2013-16
Chief Scientific Advisor, Harbin Institute of Technology, China	2014-Present

Synergistic Activities

- DOE Committee of Visitors (for OHEP), 2016.
- Editorial Board: Physical Review D, 2008-2010; J. Physics G, 2010-2013; EPL, Co-Editor, 2012-2015; Chinese Physics C, 2005-present.
- National Advisory Board, KITP-China, 2006-2011; Chair 2011-2016.
- TASI Scientific Advisory Board 2010-2016.
- HEPAP member 2013-2015
- Series of lectures on LHC phenomenology: TASI-04; China Center for Advanced Science and Technology (CCAST) 2004; Univ. of Bonn, Germany, 2005; CERN LHC Olympics 2006; Asian School of Particle, String, Cosmology, Japan 2006; National School of LHC Physics, Israel 2006; BUSSTEPP, Liverpool U, 2009 and Swansea U, 2010; German Physical Society School on LHC, 2012; KIAS Lectures, Korea 2013; TASI-14 on Higgs physics; pre-SUSY 2015; SLAC SI 2015; iSTEP 2015 & 2016 (Beijing); Outstanding Undergrad Summer School 2016, Tsinghua U., Beijing.
- Co-organizer, CTEQ Summer Schools, 1999—present (alternative years).
- Chair, Organizing Committee, Phenomenology Symposia, 2002—present.

Collaborators & Other Affiliations

(i) Recent collaborators

J.-Song (Konkuk Univ.), N. Christensen (Illinois State), L.-T. Wang (Chicago), S.Y. Choi (Chonbuk U.), J. Sayre (PRD), S. Su (Arizona), M. Carena (FNAL), S. Dawson (BNL), Nima Arkani-Hamed (IAS), M. Mangano (CERN), M. Greco (Rome III U.)

(ii) Supervision of graduate students: Recent Ph.D. graduate students (*=expected):

Name	Degree	Year	Current Post	Current Institution
Junmou Chen	Ph.D.	2017*	Grad student	University of Pittsburgh
Zhuoni Qian	Ph.D.	2017*	Grad student	University of Pittsburgh

Zhen Liu	Ph.D.	2015	Research Assoc	Fermi Lab.
Richard Ruiz	Ph.D.	2015	Postdoc	IPPP, Durham Univ.
Zhe Dong	Ph.D.	2012	Finance	Beijing
Camilo Garcia	S.M.	2012	Postdoc	University of Brussels
Jared Schmitthenner	Ph.D.	2012	Computer Sci.	EPIC company
Ian Lewis	Ph.D.	2011	Postdoc	BNL
Kai Wang	Ph.D.	2008	Professor	Zhejiang U., China
Gui-Yu Huang	Ph.D.	2008	Professor	Shen-Zhen Univ., China
Piyabut Burikham	Ph.D.	2005	Professor	Chulalongkorn U., Bangkok

(iii) *Supervision of postdoctoral fellows:* Recent postdoctoral fellows:

Name	Position	Years	Current Post	Current Institution
David McKeen	PITT PACC	2016-	Fellow	University of Pittsburgh
Amed Ismail	Postdoc	2016-	Postdoc	University of Pittsburgh
Satya Mukhopadhyay	Postdoc	2015-	Postdoc	University of Pittsburgh
Brock Tweedie	Postdoc	2013-	Postdoc	University of Pittsburgh
Neil Christensen	Postdoc	2008-14	Ass. Professor	Illinois State University
Kathryn Zurek	Postdoc	2006-08	Assoc. Professor	University of Michigan
Hooman Davoudiasl	Postdoc	2004-06	Assoc. Physicist	Brookhaven National Lab
Cheng-Wei Chiang	Postdoc	2003-04	Full Professor	N'al Tsinghua Univ, Taiwan
Heather Logan	Postdoc	2002-05	Assoc. Professor	Carleton University
Liantao Wang	Postdoc	2002-04	Assoc. Professor	University of Chicago
Tilman Plehn	Post Doc	1998-02	W3 Professor	University of Heidelberg

Selected publications in Refereed Journals:

1. Some New Aspects of Supersymmetry R-Parity-Violating Interactions (V. Barger, G. Giudice and T. Han), Phys. Rev. **D40** (1989) 2987.
2. Strong W^+W^+ Scattering Signals at pp Supercollider (V. Barger, K. Cheung, T. Han, and R.J.N. Phillips), Phys. Rev. **D42** (1990) 3052.
3. Intermediate Mass Higgs Boson at Hadron Colliders (V. Barger, G. Bhattacharya, T. Han, and B.A.Kniehl), Phys. Rev. **D43** (1991) 779.
4. On Kaluza-Klein States from Large Extra Dimension (T. Han, J. Lykken and R.J. Zhang), Phys. Rev. **D59**, 105006 (1999).
5. Signatures for Majorana Neutrinos at Hadron Colliders (T. Han and B. Zhang), Phys. Rev. Lett. **97**, 171804 (2006).
6. Neutrino Masses and the CERN LHC: Testing Type II Seesaw (P. Fileviez Perez, T. Han, G.-Y. Huang, T. Li, and K. Wang), Phys. Rev. **D78**, 015018 (2008).
7. The “Top Priority” at the LHC (T. Han), Int. J. Mod. Phys. **A23**, 4107 (2008).
8. The Search for Heavy Majorana Neutrinos (A. Atre, T. Han, S. Pascoli, and B. Zhang), JHEP 0905:030 (2009).
9. MSSM Higgs Bosons at the LHC (N. Christenen, T. Han, S. Su), Phys. Rev. **D85** (2012) 115018.
10. Dark Matter and Higgs Bosons in the MSSM (T. Han, Z. Liu, A. Natarajan), JHEP 1311:008. (2013).
11. Physics Opportunities of a 100 TeV Proton-Proton Collider (N. Arkani-Hamed, T. Han, M. Mangano, and L.-T. Wang), Phys. Rept. 652 (2016) 1-49.
12. ISR effects for resonant Higgs production at future lepton colliders (M. Greco, T. Han, and Z. Liu), PITT-PACC-1601, arXiv:1607.03210.