

J. Jiang

Curriculum Vitae

Jing Jiang

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Education

2001 Ph.D. in Physics at University of Wisconsin, Madison
1996 M.S. in Physics at Wayne State University
1993 B.S. in Physics at University of Science and Technology of China

Experience

2001–present Postdoc at HEP division, Argonne National Laboratory
1997–2001 Research/Teaching Assistant at Dept. of Physics, UW Madison
1993–1997 Research/Teaching Assistant at Dept. of Physics, Wayne State Univ.

Seminar and Conference Talks

Charged Higgs Boson Searches at Hadron Colliders

Theoretical Physics Seminar

February 10, 2004, Purdue University, West Lafayette, IN.

NLO $bg \rightarrow tH^-$ at the LHC

Loopfest II: Precision Measurements and Radiative Corrections

at a Future Linear Collider : SUSY, QCD, New Physics

May 14-16, 2003, BNL, Upton, NY.

NLO Calculation for Charged Higgs Production at the LHC

Pheno 2003,

May 5-7, 2003, Madison, WI.

Higgs Mechanism and Phenomenology

Physics Department Colloquium,

February 17, 2003, Southern Methodist University, Dallas, TX.

Higgs Decay Into Hadronic Jets

Loopfest: Precision Measurements and Radiative Corrections at a Future Linear Collider,

May 9-10, 2002, BNL, Upton, NY.

J. Jiang

Something About Extra Dimensions

Theoretical Physics Seminar,
October 29, 2001, Argonne, IL.

$\tan \beta$ Determination at a Linear Collider

Snowmass 2001: The Future of Particle Physics,
July 1-20, 2001, Snowmass, CO.

CP Violating ZZh Couplings at Linear Colliders

Snowmass 2001: The Future of Particle Physics,
July 1-20, 2001, Snowmass, CO.

SUSY CP Phases, EDMs, and a Linear Collider

Pheno 2001 Symposium,
May 7-9, 2001, Madison, WI.

Higgs Couplings at Linear Colliders

Theoretical Physics Seminar,
January 31, 2001, Argonne, IL.

CP Violating ZZh Coupling at e^+e^- Linear Colliders

Linear Collider Workshop 2001,
January 27-28, 2001, Davis, CA.

Determine $\tan \beta$ at a Linear Collider

Linear Collider Workshop 2000,
October 24-28, 2000, Fermilab, Batavia, IL.

Determining $\tan \beta$ via neutral SUSY Higgs

Pheno 2000: Phenomenology for the Nu Century,
April 17-19, 2000, Madison, WI.

Other Activities

Organizer, HEP Division Lunchtime Seminars,
January 2001-present, Argonne National Laboratory, Argonne, IL.

Organizer, Theory Institute 2002: Supersymmetry, Higgs and Extra Dimensions,
September 9-13, 2002, Argonne National Laboratory, Argonne, IL.

Summerschool, TASI2001: Strings, Branes and Extra Dimensions,
June 3-29, 2001, University Of Colorado at Boulder, Boulder, CO.

J. Jiang

References

Vernon Barger

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Edmond Berger

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Tao Han

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University of Wisconsin
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Carlos Wagner

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Publications

1. Studying Triple Higgs Boson Coupling at a Photon Collider
(with S.H. Zhu)
in preparation.
2. Associated Production of a Top Quark and a Charged Higgs Boson
(with E.L. Berger, T. Han and T. Plehn)
hep-ph/0312286.
3. Determining $\tan\beta$ with Neutral and Charged Higgs Bosons at a Future e^+e^- Linear Collider
(with J. Gunion, T. Han and A. Sopczak)
Phys. Lett. **B565**, 42 (2003).
4. Overview of $\tan\beta$ Determination at a Linear e^+e^- Collider
(with J. Gunion, T. Han and A. Sopczak)
hep-ph/0211123, *Hamburg 2002, Supersymmetry and unification of fundamental interactions*, 680, vol. 2 (2002).
5. Low-Energy Six-Dimensional $N=2$ Supersymmetric $SU(6)$ Models on T^2 Orbifolds
(with T. Li and W. Liao)
hep-ph/0210436, Accepted by J. Phys. G.
6. Higgs Boson Decay into Hadronic Jets
(with E.L. Berger, C.-W. Chiang, T.M.P. Tait and C.E.M. Wagner)
Phys. Rev. **D66**, 095001 (2002).
7. Determination of $\tan\beta$ at a Future e^+e^- Linear Collider
(with J.F. Gunion, T. Han, S. Mrenna and A. Sopczak)
hep-ph/0112334, eConf **C010630** 120, (2001).
8. $N = 2$ Six-Dimensional Supersymmetric $E(6)$ Breaking
(with C. Huang, T. Li and W. Liao)
Phys. Lett. **B530**, 218 (2002).
9. Self-Tuning and de Sitter Brane Intersections in the Six-Dimensional Brane Models
(with T. Li)
Eur.Phys.J.**C26** 473, (2003)
10. Search for $t \rightarrow ch$ at e^+e^- Linear Colliders
(with T. Han and M. Sher)
Phys. Lett. **B516**, 337 (2001).
11. CP Violating Phases in SUSY, Electric Dipole Moments and Linear Colliders
(with V. Barger T. Falk, T. Han, T. Li and T. Plehn)
Phys. Rev. **D64**, 056007 (2001).

J. Jiang

12. CP-Violating ZZh Coupling at e^+e^- Linear Colliders
(with T. Han)
Phys. Rev. **D63**, 096007 (2001).
13. Brane Networks in AdS Space
(with T. Li and D. Marfatia)
Phys. Lett. **B492** 187 (2000).
14. $\tan \beta$ Determination From Heavy Higgs Boson Production at Linear Colliders
(with V. Barger and T. Han)
Phys. Rev. **D63**, 075002 (2001).