

PUNEET BATRA

CURRICULUM VITAE

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Date of Birth: June 10, 1976

Place of Birth: Royal Oak, MI (USA)

Citizenship: U.S.

Education: Stanford University—Institute for Theoretical Physics
Ph.D. in Particle Physics, 2004
Thesis Co-Advisors: Savas Dimopoulos & David E. Kaplan

Harvard University
A.B. in Physics, 1998

Research Experience:

April 2003 – May 2004, Visiting Student, The Johns Hopkins University (Advisor: David E. Kaplan)

September 2000-April 2003, Research Assistant, Stanford University (Advisor: Savas Dimopoulos)

January 1999-June 2000, Research Assistant, Stanford University (Advisor: Jeffrey A. Willick, Cosmology)

May 1996-December 1996, Research Assistant, Harvard University High Energy Physics Lab (Advisor: John Huth, Experimental Particle Physics)

Teaching Experience:

September 1998-April 2003, Teaching Assistant (TA), Stanford University

Head TA, Physics 20 Series

Courses Taught Include: Statistical Mechanics, Quantum Mechanics, Quantum Field Theory

American Association of Physics Teachers (AAPT)
Outstanding TA Award, 2002

Physics Department Kirkpatrick Award for Excellence in Teaching, 2000-2001

Centennial TA of the School of Humanities and Sciences, 2000

Invited Talks:

Victoria Linear Collider Workshop, July 2004
“A Little Higgs with a Little UV completion with a ...”

Victoria Linear Collider Workshop, July 2004
“Gauge Extensions of the MSSM”

Stanford ITP Seminar, June 2004
“Goldstone Bosons and the Stability of the Electroweak Scale”

Argonne Theory Seminar, January 2003
“Massaging the MSSM”

SLAC Theory Seminar, November 2003
“Massaging the MSSM”

The Johns Hopkins Theory Seminar, October 2003
“The More or Less Supersymmetric Standard Model”

35th Rencontres de Moriond, ‘Energy Densities in the Universe’, France, January 2001
“A Local Measure of the Hubble Constant”

References:

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Scientific Publications:

- P. Batra, A. Delgado, D. E. Kaplan & T. Tait, "Running into New Territory in SUSY Parameter Space," Fermilab-PUB-04-038-T, SU-ITP-04-12-T, JHEP 0406:032, (2004). hep-ph/0404251.
- P. Batra, A. Delgado, D.E. Kaplan & T. Tait, "The Higgs Mass Bound in Gauge Extensions of the MSSM," Fermilab-PUB-03-245-T, SU-ITP-03-25-T, JHEP 0402:043, (2004). hep-ph/0309149.
- P. Batra & J.A.Willick, "A Direct Cepheid Measurement of H_0 ," Conference Proceedings of the 25th Rencontres De Moriond, 'Energy Densities in the Universe'. Ed. J. Tran Thanh Van, 2002.
- J.A.Willick & P. Batra, "A Determination of the Hubble Constant From Cepheid Distances and a Model of the Local Peculiar Velocity Field," The Astrophysical Journal, 548:564, (2001). astro-ph/0005112.