

Princeton Center for Theoretical Science

The Princeton Center for Theoretical Science is dedicated to exploring the frontiers of theory in the natural sciences. Its purpose is to promote interaction among theorists and seed new directions in research, especially in areas cutting across traditional disciplinary boundaries.

The Center is home to a corps of Center Postdoctoral Fellows, chosen from nominations made by senior theoretical scientists around the world. A group of senior Faculty Fellows, chosen from science and engineering departments across the campus, are responsible for guiding the Center. Center activities include focused topical programs chosen from proposals by Princeton faculty across the natural sciences. The Center is located on the fourth floor of Jadwin Hall, in the heart of the campus "science neighborhood". The Center hopes to become the focus for innovation and cross-fertilization in theoretical natural science at Princeton.

Faculty Fellows:

Paul Steinhardt, Director
Igor Klebanov, Associate Director
Ravindra Bhatt
William Bialek
Curtis Callan
Roberto Car
David Spergel
Salvatore Torquato

Center Postdoctoral Fellows:

Dmitry Abanin 2008-2011
Bogdan Andrei Bernevig 2006-2009
Thomas Klose 2007-2010
Jean-Luc Lehners 2007-2010
M. Lisa Manning 2008-2011
Meera Parish 2006-2009
Matthew Reece 2008-2011
Antonello Scardicchio 2006-2009
Branson Stephens 2007-2010
Aleksandra Walczak 2007-2010

To find out more about Center Postdoctoral Fellowships and Programs see:
<http://pcts.princeton.edu/pcts>



The Big Bang and Beyond Program

Microsymposium on Forefronts of LHC Physics

October 16-17, 2008

Fourth Floor, Jadwin Hall

Organizers: Nima Arkani-Hamed (IAS), Igor Klebanov, Jean-Luc Lehners, David Spergel, Paul Steinhardt, Matt Strassler (Rutgers), and Herman Verlinde

Co-sponsored by The D. E. Shaw Group

Forefronts of LHC Physics Micro Symposium

October 16, 2008 -- PCTS

- 10:30 – 11:00 pm** **Welcome and Coffee**
- 11:00 – 12:00 am “LHC Searches: What Role for QCD?”
Gavin Salam, LPTHE, Paris
- 12:00 – 1:30 pm** **Lunch**
- 1:30 – 2:30 pm “Recent Developments in Loop Calculations for LHC”
Zvi Bern, UCLA
- 2:30 – 4:00 pm **Short Talks and Discussion**
- 4:00 pm** **Physics Tea in Room 218, Faculty Lounge,
Jadwin Hall**
- 4:30 – 5:30 pm Joint Physics/PCTS Colloquium, A-10, Jadwin Hall
“**The Large Hadron Collider: A New Era in Particle
Physics**”
Matthew Strassler, Rutgers University

Forefronts of LHC Physics Micro Symposium

October 17, 2008 -- PCTS

- 9:30 – 10:30 am “Who Ordered the Stop”
Maxim Perelstein, Cornell University
- 10:30 – 11:00 pm** **Coffee Break**
- 11:00 – 12:00 am “**The Multiverse: at LHC and in Cosmology**”
Lawrence Hall, UC Berkeley
- 12:00 – 1:30 pm** **Lunch**
- 1:30 – 2:30 pm “**Beyond Minimal Dark Matter**”
Neal Weiner, New York University
- 2:30 – 3:00 pm** **Coffee Break**
- 3:00 – 4:30 pm **Short Talks and Discussion**
- 4:30 - 5:30 pm** **Light Reception**
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Group Meetings at PCTS (Tentative Schedule)

Monday, October 20, 2008

- 2:30 – 3:30 pm **David E. Kaplan**, Johns Hopkins University