

KAVLI INSTITUTE FOR THEORETICAL PHYSICS

Presents

The Forty-First KITP Public Lecture

Sponsored by Friends of KITP

Nima Arkani-Hamed

Exploring the Dark Universe

There is strong evidence that most of the mass and energy dominating the dynamics of the universe at the largest scales is not made of ordinary matter, but is something new—“dark energy” and “dark matter.” Understanding the dark sector poses fascinating challenges to theoretical physicists. More excitingly, a slew of experiments ranging from satellites to particle accelerators to deep-underground detectors are poised to shed a great deal of light on this subject in the very near future. In this talk I will describe these developments, and explore what we might learn about the dark universe in the next five years.

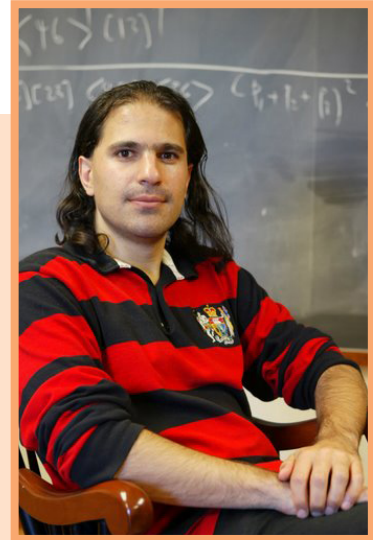
About the Speaker

Nima Arkani-Hamed is a theorist with wide-ranging interests in fundamental physics. He received his B.Sc in physics and mathematics from the University of Toronto in 1993, his Ph.D. in physics from UC. Berkeley in 1997, and did post-doctoral work at the Stanford Linear Accelerator Center, before joining the Berkeley faculty in 1999. In 2001 he joined the physics department at Harvard as a professor of physics, before moving to his current position as professor in the school of natural sciences at the Institute for Advanced Study in 2008. He was awarded the Gribov Medal of the European Physical Society in 2003, and in 2008 won the Raymond and Beverly Sackler Prize given at Tel Aviv University

Wednesday, December 16, 2009

8:00 PM (Reserved seats held until 7:50 PM)

Kavli Institute for Theoretical Physics, Main Seminar Room



Admission is Free
Seating is by RSVP only

Please e-mail:

events@kitp.ucsb.edu

or call

(805) 893-6349

by Dec. 14, 2009.

**Reserved seats are held
until 7:50 PM**

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accommodate a disability, call the
KITP at the number above.*

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