

PHYSICS COLLOQUIUM, partially funded by the GSFEI

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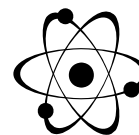
seminars

“The Search for the Higgs- An Opening to New Physics”

Monday, 1/22

4:00 P.M., Ronald Geballe Auditorium, A-102, PAA

Reception at 3:45 P.M. in the lobby



January 22-26, 2007

Abstract:

The Higgs boson is the final particle of the Standard Model which has yet to be observed. Experiments at the Fermilab Tevatron are actively searching for signs of this elusive particle. Details of the data analyses and prospects for the future will be discussed. But there is reason to believe that the picture will be different, more complicated and interesting, than in the Standard Model. Therefore we also search for other Higgs boson signatures, such as those that could occur in a world with low-energy supersymmetry. Results from these analyses at the Tevatron will be shown, and prospects for an alternative search at the newly-commissioned ATLAS experiment at the Large-Hadron Collider at CERN will be shown.

Monday, 1/22

INT Seminar Wynn Ho, Harvard-Smithsonian Center for Astrophysics
10:30 A.M., Rm. C-421, PAT “Neutron Stars as Laboratories”

Tuesday, 1/23

Astrobiology Seminar Vikki Meadows, Virtual Planetary Laboratory, NASA Jet Propulsion Laboratory
2:30 P.M., Rm. A-110, PAA “Planets Around Other Stars: Spectral Signatures”

Condensed Matter (CMA) Lih Y. Lin, UW EE
4:00 P.M., Rm. C-421, PAT “Sub-diffraction Integration and Non-invasive Manipulation by Nanophotonics”

Thursday, 1/25

Astronomy Colloquium Andrey Kravstov, University of Chicago
4:00 P.M., Rm. A-102, PAA “Title TBA”

Friday, 1/26

Public Talk Roger Penrose, Oxford
7:30 P.M., Seattle Town Hall “The paperback release of his encyclopedic book, *The Road to Reality: A Complete Guide to the Laws of the Universe*”