

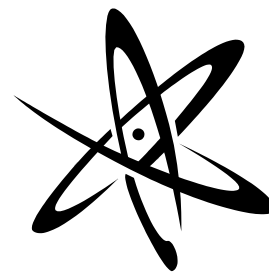
University of Washington • Department of Physics

PHYSICS COLLOQUIUM

Karl Jakobs (University of Freiburg)

“New Horizons in Particle Physics – from the Higgs Boson to Dark Matter In the Universe”

Seminars



Jan 12th-16th

Monday, January 12th, 2009

4:00 PM, Ronald Geballe Auditorium, Rm. A-102

Abstract: At the European laboratory for particle physics, CERN in Geneva, a new particle accelerator, the Large Hadron Collider (LHC) and large particle detectors have been constructed over the past years. In 2009 the data taking phase will start and this facility will open up the possibility to study particle interactions in the TeV-energy domain, where answers to fundamental questions of particle physics are

expected. Among them are the questions of the origin of mass and linked to that- the question of the existence of the Higgs particle. In addition, many theoretical models suggest extensions of the so called Standard Model of particle physics which contain new types of matter that could be related to the Dark matter in the universe. In the present talk the status of the experiments and their potential to answer some of these ques-

All Week

Joint Particle Theory/ Experiment Workshop on Measuring the Properties of the Higgs at the LHC
See http://lepton.phys.washington.edu/Higgs_Workshop/index.html for schedule

Monday, January 12th, 2009

INT Special Seminar

10:30 AM, Rm. C-421, PAT

Matthias Schindler, Ohio University

“Effective Field Theory Approach to Parity-Violating Nucleon-Nucleon Interactions”

Tuesday, January 13th, 2009

Joint INT/Nuclear Theory Seminar

11:00 AM, Rm. C-421, PAT

John Negele, MIT

“Nucleon structure in lattics QCD”

CMA Seminar

4:00 PM, Rm. C-421, PAT

Chip Asbury, UW Physiology and Biophysics

“How Chromosomes move during Cell Division”

Wednesday, January 14th, 2009

INT Special Seminar

10:30 AM, Rm. C-421, PAT

Dominik Nickel, MIT

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Thursday, January 15th, 2009

Theoretical Quantum Dynamics Seminar

10:30 AM, B-417, PAB

Xiaosong Li, UW Chemistry

“TDHF and DFT: linear response vs. real time propagation”

Astronomy Colloquium

4:00 PM, Rm. A-102, PAA

Toby Burnett, UW Physics

“Gamma-ray Astronomy with the Fermi Large Area Telescope”

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