

University of Washington • Department of Physics

PHYSICS COLLOQUIUM

David W. Hertzog (Univ. of Illinois at Urbana-Champaign)

"Precision Muon Physics: Capturing a Moment in a Lifetime"

Monday, February 23rd, 2009

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

Abstract: Low-energy, precision measurements are important to establish the parameters of the Standard Model and to test various predictions in the quest for new physics signatures. I will discuss two of our experiments that recently reported first physics results. Both involve the muon lifetime, leading to the Fermi Constant at a new

level of precision and the nucleon weak pseudoscalar coupling constant g_P , determined in an unambiguous manner for the first time. Future plans include a Fermilab-based next-generation muon anomalous magnetic moment measurement, which follows on our effort that has provided one of the strongest hints of physics beyond the Standard Model today.

Tuesday, February 24th, 2009

Particle Theory Seminar

2:30 PM, Rm. C-421, PAT

Mark Van Raamsdonk, UBC

"Baryons from Bosons"

CMA Seminar

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

David Thouless, UW Physics

"Modern physics in the modern world"

Thursday, February 26th, 2009

Physics Frontiers Seminar

12:30 PM, Rm. A-114, PAA

Nikolai Tolich, UW Physics

"Determining the nature of neutrinos and putting them to use"

Applied Mathematics Colloquium

4:00 PM, Rm. 220, Guggenheim

Carl Bender, Washington University

"Quantum Mechanics in the Complex Domain"

Astronomy Colloquium

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

Jane Rigby, Observatories of the Carnegie Inst. of Wash.

"The Evolution of Lensed Starburst Galaxies and Obscured AGN"

Friday, February 27th, 2009

Particle Theory Seminar

12:30 PM, Rm. B-405, PAB

Carl Bender, Washington University

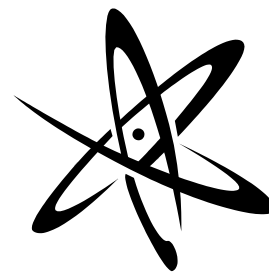
"PT Symmetry and all that"

Particle Astrophysics Seminar

3:30 PM, Rm. A-114, PAA

Martin Galuska, UW Physics

Seminars



Feb 23rd-27th