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Louisiana State University
Baton Rouge, Louisiana 70803-4001

WEEKLY CALENDAR

April 30-May 4, 2012

DEPARTMENTAL COLLOQUIUM

"Solvable Models in PT-symmetric Quantum Theory"

3:40 PM, May 3, 2012
109 Nicholson Hall

Bijan Bagchi
University of Calcutta, INDIA

Host: Ravi Rau

• Refreshments served at 3:15 PM in 232 (Library) Nicholson Hall •

I will give an overview of PT-symmetric and pseudo-Hermitian Quantum mechanics and discuss how the underlying principles work in practice. I will explore some test cases including the PT-symmetric square well with regard to their solvability. In particular, I will demonstrate how complexification leads to the appearance of an additional series of energy levels.

ANNOUNCEMENT:

SAVE-THE-DATE!

"Horizons of Innovative Theories, Experiments, and Supercomputing in Nuclear Physics" (HITES 2012), an international conference to be held this coming spring in honor of our colleague and good friend Jerry P. Draayer.

Where: French Quarter in New Orleans, Astor Crowne Plaza Hotel

When: June 4-7, 2012

Website: www.phys.lsu.edu/hites2012

Public Lecture, June 4, 5:30 p.m. (Reception to follow) by Jerry P. Draayer

"What a Wonderful World* -- Simplicity within Complexity"

(*By Louis Armstrong, "What a Wonderful World")

Celebratory Banquet, June 5, 6:30 p.m. (Astor Ballroom III).

HITES will host some of the most prominent worldwide-recognized nuclear physicists and will cover cutting-edge research in nuclear theory and experiment, astrophysics, fundamental physics, as well as high-performance computing.

For registration and attendance confirmation, please contact Karen Richard (karen@phys.lsu.edu).

PUBLICATIONS:

1. "Similarity renormalization group and many-body effects in multiparticle systems", **Kristina D. Launey**, **Tomas Dytrych**, and **Jerry P. Draayer**, Phys. Rev. C 85, 044003 (2012).