

TEL: 225-578-2261
FAX: 225-578-5855
<http://www.phys.lsu.edu>

202 NICHOLSON HALL
Louisiana State University
Baton Rouge, Louisiana 70803-4001

WEEKLY CALENDAR

September 12, 2011

Departmental Colloquium

Thursday, 3:40 PM, September 15, 2011
109 Nicholson Hall

"On Magnitudes and Colors of Exotic Stars, and their standardization"

Christiaan Sterken
University of Brussels

Host: Arlo Landolt

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

This lecture gives a short introduction about photometry of normal stars, together with a clarification of the needs for proper standardization. The principles of standard photometry are elucidated with some examples of light and color curves of variable stars, with special attention to photometry of exotic objects, such as cataclysmic variables, massive and explosive stars, and non-stellar objects.

Publications:

1. "Quantum scalar field in quantum gravity: the propagator and Lorentz invariance in the spherically symmetric case." Rodolfo Gambini, **Jorge Pullin**, Saeed Rastgoo, Gen Relativity Gravit, DOI 10.1007/s10714-011-1252-0, August, 2011.

Announcement:

Free Admission! Sept 13, 7 PM, Acting Studio Rm 135, Music & Dramatic Arts Building.

Come see preview scenes from the upcoming LSU Theatre Lab production of **COPENHAGEN**, and hear LSU Professor of Physics **Ravi Rau** discuss the science in this Tony Award winning-play. Want to learn more about wave-particle duality, the uncertainty principle, and Schrodinger's cat? This will be one of the most relaxed, informal, and entertaining opportunities to do so ever!

COPENHAGEN, by **Michael Frayn**, is based around an event - a meeting between the physicists Niels Bohr and Werner Hesienberg in 1941. The meeting largely remains a mystery to historians and scientists.