WEAKLY CALENDAR  
Physics & Astronomy  
202 Nicholson Hall  
Baton Rouge, LA 70803-4001  
http://www.physics.lsu.edu  

Louisiana State University  
November 29, 2004  
Tel: (225) 578-2261  
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GENERAL SEMINAR  
"The Quantum Mechanics of Global Warming"  
Dr. Brad Marston  
Brown University  
Thursday, December 2, 2004, 3:40 PM in Room 109 Nicholson Hall  
Host: Dr. Ilya Vekhter  
(Refreshments served at 3:15 p.m. in Room 229 Nicholson)  

Abstract  
Quantum mechanics plays a crucial, albeit often overlooked, role in our understanding of the Earth's climate. In this talk, I use three well-known aspects of quantum mechanics to present a simple physical picture of what may happen as the concentrations of greenhouse gases such as carbon dioxide continue to increase. I also utilize some basic astronomy and wave mechanics to decipher historical and paleoclimatic records. I conclude with a personal perspective on the politics versus the science of global warming.  

Saturday Science  
"Sediments in the Upper Breton Sound, Louisiana"  
Dr. Jaye Cable  
Oceanography & Coastal Studies - LSU  
Saturday, December 4, 2004 in Room 130 Nicholson Hall  
10:00 - 11:30 AM  

Welcome To  
Dr. Cigdem Capman, a Postdoctoral Researcher with Dr. John DiTusa. She is located in Room 211-A Nicholson, Extension 8-0814.  

Announcements:  
Due to the Thanksgiving Holiday, the University will be closed on Thursday, November 25 and Friday, November 26. Have a Safe and Happy Thanksgiving.  

PUBLICATIONS  
"Summation by parts and dissipation for domains with excised regions." Gioel Calabrese, Luis Lehner, Oscar Reula, Oliver Sarbach and Manuel Tiggio, Class. Quantum Grav. 21 (2004) 5735-5757.  

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