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WEEKLY CALENDAR

March 3 - 7, 2014

DEPARTMENTAL COLLOQUIUM

"Nuclei-fueled Cosmos in the Era of Petascale Supercomputing"

3:30 PM March 6, 2014
109 Nicholson Hall

Kristina Launey

LSU, Physics & Astronomy

Host: Jerry Draayer

• *Refreshments served at 3:10 PM in 232 (Library) Nicholson Hall* •

From stellar explosions to the formation of elements, important astrophysical processes in the Universe are governed by the strong force. At this energy regime, quarks are bound by gluons into "molecules" of protons and neutrons, which, in turn, make up the nuclei responsible for the Cosmos "fireworks" - how exactly the strong force shapes these nuclei, however, remains a mystery. In this talk, I will take you through the Universe of nuclei - what has been and what remains to be discovered, and how our research, with the help of supercomputers, has changed the way we think about atomic nuclei.

ANNOUNCEMENT:

The University will be closed on Tuesday, March 4, 2014 due to the Mardi Gras Holiday. There will be no classes on Monday, March 3, Tuesday, March 4, but classes will resume on Wednesday, March 5, 2014 at 12:30 pm.