

**Weekly Calendar & News**

*January 19-26, 2018*

**Departmental Colloquium**

["R-Process Nucleosynthesis and Short-Lived Radioactivities  
in the Early Solar System"](#)

[Bradley S. Meyer](#)

Clemson University

Host: Jeff Blackmon

3:30 PM Thursday, January 22 at 130 Nicholson Hall

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

Roughly ten short-lived radioactivities (isotopes with lifetimes in the range of 0.1 to 100 million years) were alive in the early Solar System. An important goal of cosmochemistry is to reconcile the inferred abundances of these radioactivities with our knowledge of nucleosynthesis and Galactic chemical evolution. This talk will focus on those radioactivities predominantly formed in the rapid neutron-capture process (r-process) and will address the implications of the recent LIGO (Laser Interferometer Gravitational-Wave Observatory) observation of a neutron star merger for solving the long-standing puzzle of the Solar System's abundance of iodine-129. It will also address some of the important nuclear physics aspects of r-process nucleosynthesis.

# LSU Physics & Astronomy in the News

- [China's President Presents Top Foreign Science and Technology Award to LSU Professor](#)

## Events

- LaCNS Talk Series: ["Unique Uses of Neutrons in the Search for Magnetic Skyrmions](#)
  - When: Monday, January 22, 3:00 pm
  - Where: 1008B Digital Media Center
- CxC Monday Night Movie: [Interstellar with special presentation by Jorge Pullin](#) (Flyer is attached)
  - When: Monday, January 22, 6:00 pm,
  - Where: Room 151 Coates Hall



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# CxC Movie Night

Showing  
**INTERSTELLAR**  
(2014)

With  
*Dr. Jorge Pullin*  
*LSU Physics & Astronomy*

**LIFTOFF:**  
**MON, JAN 22**  
**6 - 9 PM**  
**LSU, COATES 151**