From nuclei to stars: A journey in nuclear physics

Have you ever wondered – Where do nuclei and elements come from, and how did they evolve? How are nuclei organized? How does structure arise in the universe and how is it related to the emergence of the elements in stars and explosive processes? These are some of the questions asked by the 2015 Nuclear Science Advisory Committee in their Long Range Plan. This talk will serve as a survey to some of the open questions in nuclear physics, and discuss the available facilities, equipment, and experiments built to address these questions. Students will be exposed to the advantages of studying nuclear science, application to other fields, and what is left for them to discover.

Wednesday, March 6
3:15-4:15 p.m.
RNS 210

Cookies and Apple Cider Served!

Shelly Lesher Ph.D.

Shelly Lesher’s training includes a PhD from the University of Kentucky and Postdoctoral positions at the Institute for Nuclear and Radiation Physics at K.U. Leuven, Belgium and Lawrence Livermore National Laboratory. She is an Associate Professor at the University of Wisconsin-La Crosse and a Visiting Professor at the University of Notre Dame. Her current research interests include searching for vibrations in rare-earth nuclei via experimental techniques and the intersection of physics and human rights.