

## UT Physicists Weigh in on Titan, the Island of Stability, and Nuclear Astrophysics

May 12, 2014

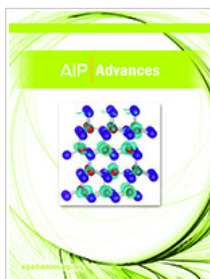


Professor Ken Read discusses supercomputing in an Oak Ridge Leadership Computing Facility **(OLCF) highlight** (<https://www.olcf.ornl.gov/2014/05/06/worlds-most-powerful-accelerator-comes-to-titan-with-a-high-tech-scheduler/>) about work on Titan concerning the ATLAS, and ultimately ALICE, experiments.

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Professor Witek Nazarewicz was quoted in a **May 7 Scientific American article**

(<http://www.scientificamerican.com/article/superheavy-element-117-island-of-stability/>) on the Superheavy Element 117 and the possibility of an "Island of Stability."



Research Scientist Kelly Chipps and Michael Bertolli (Ph.D., 2011) have just finished editing a **Special Topics issue of AIP Advances** ([http://scitation.aip.org/content/aip/journal/adv/4/4/section?](http://scitation.aip.org/content/aip/journal/adv/4/4/section?heading=SPECIAL+TOPIC%3a+STARDUST%3a+PROGRESS+AND+PROBLEMS+IN+NUCLEAR+ASTROPH)

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The issue covers the current state of the field of nuclear astrophysics, and includes contributions from many well-known researchers, including UT faculty, students, and alumni: **Austin Chertkow** (Ph.D., 2012), **Austin Harris** (Graduate Student), **Raph Hix** (Joint Faculty Associate Professor), **Kate Jones** (Associate Professor), **Eric Lentz** (Research Assistant Professor), **Bronson Messer** (Adjunct Assistant Professor), **Tony Mezzacappa** (Newton W. and Wilma C. Thomas Endowed Chair in Theoretical and Computational Astrophysics), and **Ryan Sinclair** (Graduate Student).