

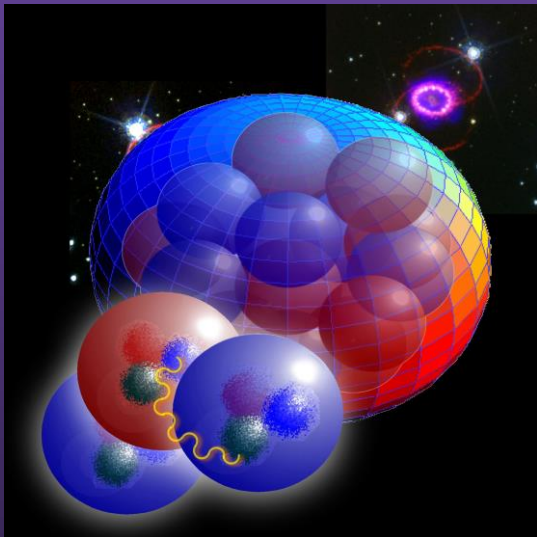
SATURDAY SCIENCE

FREE public talks connecting our community to science and technology



Modeling Nuclei with Supercomputers

by Dr. Kristina Launey



From stellar explosions to the formation of elements, important astrophysical processes in the Universe are governed by the strong nuclear force. At this energy regime, quarks are "glued" into 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, Dr. Kristina Launey of LSU's Department of Physics & Astronomy will take you through the Universe of nuclei – what has been and what remains to be discovered, and how recent findings, with the help of supercomputers, have changed the way we think about atomic nuclei.

SATURDAY, SEPTEMBER 15TH

Doors open at **9:40 a.m.**; Talk begins at **10:15 a.m.**

Nicholson Hall, LSU, Room 130



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