

UNIVERSITY OF NOTRE DAME
DEPARTMENT OF PHYSICS

NUCLEAR SEMINAR

Monday, April 3

The Nuclear Physics of Neutron Stars

Prof. Jorge Piekarewicz
Florida State University

One of the overarching questions animating nuclear physics today is “How does subatomic matter organize itself?” Neutron stars are cosmic laboratories uniquely poised to answer this fundamental question. Due to the extreme conditions of density and neutron-proton asymmetry, neutron stars display a myriad of exotic states of matter that are impossible to recreate under normal laboratory conditions. In this presentation I will discuss the combination of nuclear physics insights, modern theoretical approaches, and powerful statistical ideas pave the way to our understanding of these fascinating objects.

4 pm – 5 pm
Nuclear Science
Laboratory
124 Nieuwland
Science Hall

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All interested  
persons are  
cordially invited  
to attend

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Refreshments will be
served prior to the
seminar in room 124