



**Wednesday**

**October 24**

**4:00 P.M.**

**Rm 118 NSH**

## **Pigmy resonances, neutron skins and neutron stars**

Prof. Carlos Bertulani  
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Neutron stars are fascinating stellar structures with rich properties and thought to be responsible for part of the production of heavy elements during neutron star mergers events. I will discuss the limitations of nuclear physics in determining the necessary conditions for the description of neutron star masses, radii, and other properties. The latest theoretical and experimental efforts will be reported, with emphasis on the equation of state of nuclear matter, theoretical methods, and experimental campaigns worldwide.