

Neutron stars as physics laboratories

Tuesday, 8 February 2022 14:55 (25 minutes)

Neutron stars are fascinating astrophysical objects, which provide insight into some of the most extreme properties of matter. In this talk, I will discuss two different theoretical instances of exotic physics in the interior of neutron stars: superfluidity and dark matter interactions. I will discuss how observations on neutron stars can provide insight into some of these formal developments, what they can tell us about the strong interactions and which, if any, constraints they place on new theoretical ideas.

Presenter: RIOS, Arnau