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Strongly interacting matter in the laboratory and stars

The interplay between the experimental results generated in terrestrial laboratories and the observations coming from stellar objects is of fundamental importance for offering solutions to long-standing puzzles in the physics of strongly interacting matter under extreme conditions. In this talk I will present the work I have been developing over the years regarding dense matter at finite temperature in two main fields: the properties of hadrons in a hot and dense medium, and the study of different phases of dense matter in neutron stars.

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