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Hybrid stars: a two model description with the Nambu-Jona-Lasinio quark model

We explore hybrid equations of state with a hadron and a quark phase. The quark degrees of freedom are described by the 3-flavor Nambu-Jona-Lasinio model while the hadron degrees of freedom are modeled by a Taylor expansion around the saturation density, with coefficients connected to properties of nuclear matter at saturation.

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