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## Bayesian Analysis of Hybrid EoS based on Astrophysical Observational Data

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We perform a Bayesian analysis of probability measures for compact star equations of state using new, disjunct constraints for mass and radius. The analysis uses a simple parametrization for hybrid equations of state to investigate the possibility of a first order deconfinement transition in compact stars. The latter question is relevant for the possible existence of a critical endpoint in the QCD phase diagram under scrutiny in heavy-ion collisions

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