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Comparison of Neutron Star Models Using Various EOS MICHAEL NAIZER, WILLIAM NEWTON, CARLOS BERTULANI, Texas A&M University - Commerce — In this work we discuss the solutions of the Tolman-Oppenheimer-Volkov equation for different inputs of Equation Of State (EOS). These solutions represent static models of Neutron Stars (NS). Modern EOS are used for this purpose, based on recent research on nuclear matter. The resulting NS models are compared to recent observations.

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