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Comparison of Neutron Star Models Using Various EOS MICHAEL NAIZER, CARLOS BERTULANI, WILLIAM NEWTON, Texas A&M University - Commerce — Several modern equations of state (EOS) for neutron stars can be ignored because they predict a neutron star mass limit lower than observed masses. Also, some EOS mass/radius curves fall far outside the error bounds of observed values and can be ignored as well. These observational constraints narrow down the search for an accurate EOS significantly.

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