

# **Detection of Gravitational Radiation and Strange star matter**

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## **Abstract**

A search for gravitational radiation and brief progress on relativistic equation of state is reported. The equation of state of compact object such as Her X-1 and strange star models are discussed using Vaidya-Tikekar approach in different configuration and different geometry. The strange matter is predicted to be true ground state of matter. Also it seem gravitational waves could a probe to say about interior structure of compact object. So it would be interesting to see what could be reality when we detect both GWs and strange matter.