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How to measure the nuclear equation of state in heavy ion experiements?

The equation of state of strongly interacting matter is explored by earthbound experiments, by studying neutron star properties and most recently also by

analyzing gravitational waves from neutron star mergers. I will discuss in the contribution the situation for earthbound experiments, how one can get information

about the equation of state, what is needed to extract this information from data and where we are presently with our knowledge.

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