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MaGiC

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Matter at the highest baryon compression is transiently formed and can be probed directly in both, relativistic collisions of two neutronstars (NS- mergers) and in relativistic collisions of two heavy ions. Observables sensitive to the properties of superdense matter, like flow and yields of ejected particles (nuclei, strange hadrons, neutrinos, photons, dileptons) are since recently complemented by gravitational waves in relativistic collisions of neutron stars. Future measurements of the EoS through novel signatures have a high potential to reveal the structure of the nuclear and quark matter phase diagram.

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