

# Nuclear and astrophysics aspects for the rapid neutron capture process in the era of multimessenger observations



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## Mass ejection from neutron star mergers

The very first detection of gravitational waves from a neutron-star merger and accompanying electromagnetic emission has provided a wealth of information on astrophysics and nuclear physics. In particular, these observations have established that neutron star mergers play an important role for the Galactic enrichment by r-process elements. We will provide a general overview on neutron star mergers and will discuss the mass ejection from these events.

**Primary author:** Dr BAUSWEIN, Andreas (GSI Darmstadt)

**Presenter:** Dr BAUSWEIN, Andreas (GSI Darmstadt)