

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



Contribution ID: 28

Type: **not specified**

## Supernovae, neutron stars, and chemical evolution

*Monday, 1 July 2019 14:30 (35 minutes)*

One of the open questions of the r-process is whether neutron star mergers are the only site or whether there is an additional (rare) r-process site, possibly related to supernovae. In this talk, I will discuss neutron star and black hole distributions from core-collapse supernovae and how they may fit in with the notion of an additional rare r-process site.

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**Session Classification:** Session