



Contribution ID: 34

Type: **Poster (virtual)**

## **Entropic fragmentation of strange quark matter**

This presentation will introduce a maximum entropy model for the fragmentation and hadronization of strange quark matter (SQM) ejected in the event of strange star mergers.

The present formalism is capable of not only distinguishing the probabilities of mass spectra yielded by the fragmentation but also characterize the hadron zoo produced at the ejecta of strange star mergers and therefore a more accurate estimation of  $Y_e$  and the following nucleosynthesis.

**Primary author:** BERNARDO, Antonio (IAG University of São Paulo)

**Co-authors:** HORVATH, Jorge (IAG-USP); DE SÁ MARQUES DOS SANTOS, Lucas Marcelo (IAG-USP)

**Presenter:** BERNARDO, Antonio (IAG University of São Paulo)