Contribution ID: **22** Type: **Oral presentation**

A new tool to understand isotopic anomalies in meteorites

Thursday 17 October 2024 10:40 (10 minutes)

In this talk, I will show the SIMPLE python code we have developed and its capabilities. The code allows us to use 6 different sets of core-collapse supernova model sets with 15, 20 and 25 solar mass progenitors in order to compare the nucleosynthesis process data from the simulated supernova models with the isotope ratios measured from meteorites. The main objective of the code is to help understand the origin of the anomalies found in the measurements for different isotopes -for example in the case of Molybdenum- and to facilitate the application of several CCSNe models published over the years.

Length of presentation requested

Oral presentation: 8 min + 2 min questions (Poster-type talk)

Please select a keyword related to your abstract

Stellar Models and Galactic Chemical Evolution

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Session Classification: Morning session