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# The impact of $n_{\text{TOF}}$ data on s-process nucleosynthesis

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We show the impact on AGB stellar nucleosynthesis of the maxwellian averaged capture cross sections determined at  $n_{\text{TOF}}$  over the past 20 years. We developed an automated procedure to derive MACSs from evaluated data libraries, which are subsequently used as input to stellar models computed by means of the FUNS code.

In this contribution, we present a number of s-process abundances obtained using different data libraries as input to stellar models, with a focus on the role of  $n_{\text{TOF}}$  data.

## Field of work

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