

## Nuclear Reactions in Stellar Explosions - The Importance of Sensitivity Studies

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A number of sensitivity studies have analyzed the influence of the size of the adopted nuclear reaction network, the use of different reaction-rate and mass compilations, and the impact of varying reaction rates within uncertainty limits in different astrophysical scenarios. This talk summarizes the main results obtained, emphasizing which nuclear processes that govern nucleosynthesis in novae, X-ray bursts and type Ia supernovae require new measurements to constrain model predictions.

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**Szekció osztályozása:** Nuclear Astrophysics 1