

The FAIR Chance for Supernovae

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In October the convention for the construction of FAIR, the Facility for Antiproton and Ion Research, to be built in Darmstadt will be signed by the international partners. This facility will start a new era in nuclear astrophysics allowing for the experimental determination of crucial nuclear physics input for the simulations of core-collapse supernovae and their associated explosive nucleosynthesis. The talk will highlight recent progress in the understanding of this research topic and will outline the opportunities offered by FAIR.