
NUCLEAR DATA AND NEUTRON CAPTURE NUCLEOSYNTHESIS — A SPECIFIC ASTROPHYSICAL (n, γ) SCENARIO

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The physics of stellar Neutron capture processes (s-process or r-process) is deeply rooted in numerical data which helps us for better understanding the astrophysics of these two processes. In this paper an attempt has been made to explain why nuclear data is the most reliable input data for handling the astrophysical problems, in particular (n, γ) reaction scenario for dealing with the stellar s-process and r-process unsolved problems.