

Nuclear Physics I: Nuclear Astrophysics

PHYS 8801

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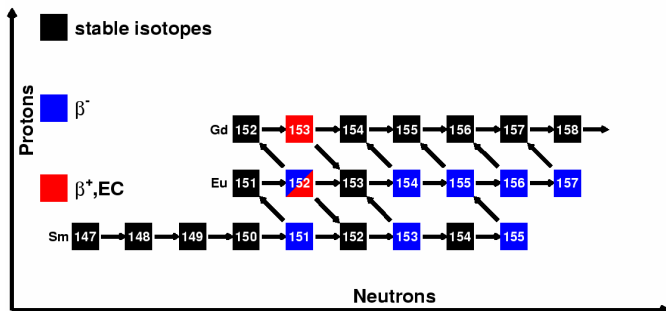
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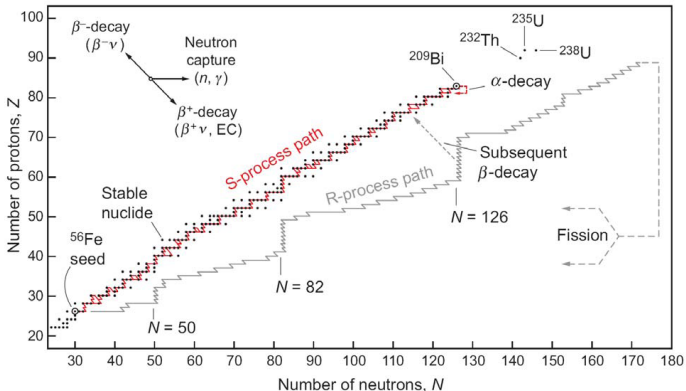
Agenda

1 Nucleosynthesis Overview

s-process



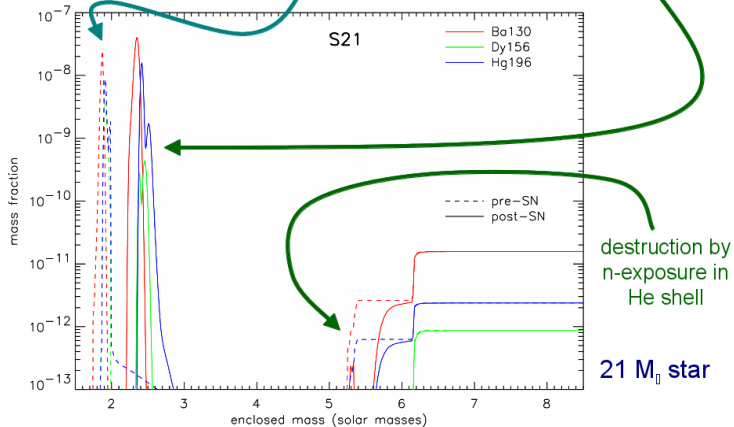
r- and s-process



p-process

“Relocation” of the γ -process

γ -process can be made in implosive O shell burning, but peak abundance is **destroyed by SN** and **recreated further out**



La138

The Production of ^{138}La by γ -process and ν -process

