

Exotic Nuclei in Astrophysics

Wednesday, 7 October 2015 09:00 (30)

Some problems of Universe evolution, nucleosynthesis and cosmochronology are considered from the nuclear and elementary particles physics point of view particularly using the last results obtained by using the radioactive nuclear beams. The comparison of the processes taking place in the Universe with the mechanism of formation, decay and interaction at different energies of nuclei is carried out. The examples are given showing the capabilities of nuclear physics methods in the exploration of space objects and the Universe properties. The results of nuclear reaction investigation allow new consideration of light elements nucleosynthesis scenario.

Presentation type

Section talk (10+5 min)

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