EXPLOSION SYNTESIS OF P-NUCLEI: PROBLEMS
OF CONSISTENT MODEL CALCULATION

Babishov E. M., Kopytin I. V.

The principle possibility of *p*-nucleus explosion synthesis is investigated with realistic supernova parameters via "traditional" reactions: (n,γ), (p,γ), (p,n), (α,n), (α,p), (α,γ) and inverse them. Special attention is payed to such "problem" *p*-isotopes as ^{92}Mo, ^{94}Mo, ^{96}Ru, ^{98}Ru, ^{113}In, ^{115}Sn. It is shown that consistent abundances for *p*- and *s*-isotopes are not reached with any strength of *s*-process.