



Contribution ID: 149

Type: Poster

Gamow-Teller β^+ decay properties of A=98 isobars near ^{100}Sn doubly magic core

Tuesday, 24 October 2017 16:00 (15 minutes)

In this work, we have realized some spectroscopic calculations in the frame work of the nuclear shell model, in order to estimate the Gamow-teller (GT) β^+ decay of A=98 proton rich isobars in ^{100}Sn mass region near rp-process path. The calculations are carried out by means of Oxbash nuclear structure code, taking into account the monopole effect in the studied mass region. The obtained results are then compared to the available experimental data.

Primary authors: LAOJET, Nadjat (Frères Mentouri Constantine 1 University, Physics Department, Constantine-ALGERIA); BENRACHI, Fatima (Frères Mentouri Constantine 1 University, Physics Department, Constantine-ALGERIA)

Presenter: LAOJET, Nadjat (Frères Mentouri Constantine 1 University, Physics Department, Constantine-ALGERIA)

Session Classification: Poster Session - NUC

Track Classification: Nuclear Structure, Nuclear Reactions and Exotic Nuclei