

Nuclear shells reflection in nuclear masses

This is a 25 year anniversary for the simple multiparameter mass formula of CHIPS. The declared mean shell factors withstand for more than 25 years, whilst the number of the measured or estimated mass values is almost doubled. This formula still can be used as a prediction for the short-lived nuclei, which are produced in the high energy nuclear collisions.

Primary author: KOSOV, Mikhail (VNIA (Dukhov))

Presenter: KOSOV, Mikhail (VNIA (Dukhov))

Session Classification: Will not participate

Track Classification: Section 1. Experimental and theoretical studies of the properties of atomic nuclei.