

BINDING ENERGIES AND HALFLIFE TIMES OF SUPERHEAVY NUCLEI

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Modern-day data concerning alpha-decay energies and halflife times of super-heavy nuclei are analyzed using the mathematical model of the nuclear binding energy surface and the semi-empirical method of calculation of alpha-decay halflife time of nuclei. The results of the theoretical analysis are in a good agreement with the measured ones and confirm that the experimental data are well correlated. Manifold predictions of the discussed values are presented.