

Abstract Submitted
for the NEF08 Meeting of
The American Physical Society

The Last element in a New Periodic Table ALBERT KHAZAN —

Among scientists there is no common opinion about possible number of the elements in the Periodic Table. The existing points of view lay within the limits from 120 up to 218 and more. However if to arrange the number of isotopes depending on the charge of a nuclei of atoms the broken curve in the form of the average parabola will turn out, in descending which branch the number of the isotopes sharply decreases, reaching units at all up to the end of the 7th period. After achievement of the maximum in the 6th period, the number of the isotopes sharply decreases. Hardly it is necessary to tell about prospective new 100 elements when are unsolved all of the problem up to N 119. As a result of the establishment of the top border of the Periodic Table there is a question about the location of the last element. From the views on the symmetry, it should be close to the 1st group. On the electronic configuration calculated for 218 elements, its place in the 5th group: 2, 8, 18, 32, 50, 32, 11, 2. Considering that fact, that in the 8th period has not 50 elements, we offer a following version to discuss: 2, 8, 18, 32, 36, 32, 18, 8, 1. (Progr. Phys., 2007, v.1, 38; v.2, 83; v.2, 104; 2008, v.3, 56).

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Date submitted: 17 Sep 2008

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