

Erratum: Proton-Neutron Interactions and the New Atomic Masses [Phys. Rev. Lett. 94, 092501 (2005)]

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In Ref. [1], empirical values of the average proton-neutron interaction, δV_{pn} , were extracted from the 2003 atomic mass tabulation. While the δV_{pn} values presented were correct, the uncertainties were mistakenly shown as 4 times their actual values. This principally affects Fig. 1 (top) which is shown below with the original (incorrect) on the left and the corrected

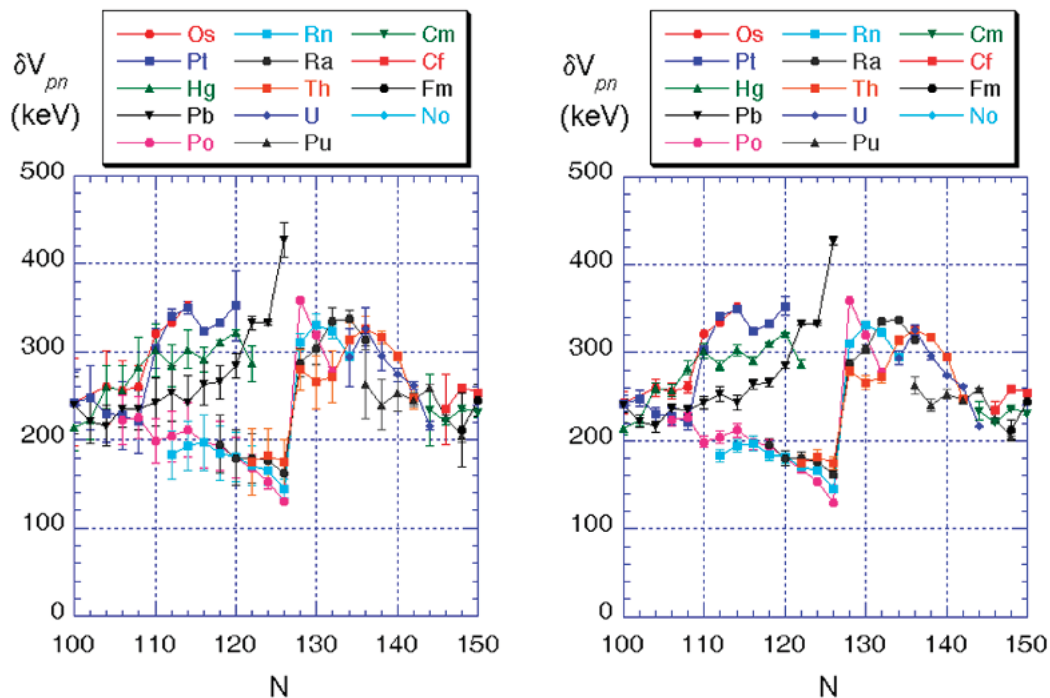


FIG. 1 (color). Left: Fig. 1 (top) as it appears in Ref. [1]. Right: New version of Fig. 1 (top) with correct error bars.

version on the right. None of the physics conclusions is affected by this error. Indeed, they are strengthened since the trends in δV_{pn} are clearer with the smaller uncertainties. The later comment in Ref. [1] that better data in the $A \sim 132$ region are needed is overstated since the new error bars for that region already provide clear patterns in δV_{pn} values similar to the Pb region.

[1] R. B. Cakirli, D. S. Brenner, R. F. Casten, and E. A. Millman, Phys. Rev. Lett. **94**, 092501 (2005).