PHYSICAL REVIEW C 78, 039901(E) (2008)

Erratum: Precise measurement of the β decay and electron capture of ²²Na, ¹⁹⁸Au, and ¹⁹⁶Au in low-temperature metal hosts, and reexamination of lifetime modifications [Phys. Rev. C 77, 065502 (2008)]

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DOI: 10.1103/PhysRevC.78.039901 PACS number(s): 23.40.-s, 21.10.Dr, 27.30.+t, 99.10.Cd

In the caption of Table I, we erroneously wrote "half-life changes," but the numbers in the "Theory" and "Measurement" columns for the β and α emitters are actually "decay rate changes" (the last row is correct). The same applies to the formulas for k in the text. Therefore, the caption of Table I should begin with

"Predictions and measurements of decay rate changes...," and the last number in Table I ("60%") can either be read as the half-life change or replaced by the decay rate change, which is "-38%". The corrected table is shown below. In the text, the sentence before the formulas for k should begin with

"Therefore, the correction factor k for the decay rate is..."

The results and conclusions of the article are not affected by these changes.

TABLE I. Predictions and measurements of decay rate changes between room temperature and 12 K in different host metals where a significant change has been reported. The expectation for ¹⁹⁶Au in Au is also listed to be compared with our results.

Nuclide	Decay	Host	Theory	Measurement
²² Na ¹⁹⁸ Au ²¹⁰ Po ¹⁹⁶ Au	90% β ⁺ 100% β ⁻ 100% α 93% EC	Pd Au Cu Au	11% -34% 3300% -38%	$(1.2 \pm 0.2)\%$ [6] $(-4.0 \pm 0.7)\%$ [7] $(6.3 \pm 1.4)\%$ [8]

^[6] B. Limata *et al.*, Eur. Phys. J. A 28, 251 (2006).

^[7] T. Spillane et al., Eur. Phys. J. A **31**, 203 (2007).

^[8] F. Raiola et al., Eur. Phys. J. A 32, 51 (2007).