Erratum: Stability of the wobbling motion in an odd-mass nucleus and the analysis of ¹³⁵Pr [Phys. Rev. C 95, 064315 (2017)]

Kosai Tanabe and Kazuko Sugawara-Tanabe®

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In the original paper we have found three misstatements. (i) The first one is that Eq. (10) in the original paper should read

$$n_{\alpha'} = 0, 2, 4, \dots, R, \text{ for } R = \text{even},$$

 $n_{\alpha'} = 1, 3, 5, \dots, R-2, \text{ for } R = \text{odd},$ (1)

so that the number of states belonging to "A-symmetry" is (2I + 1)(2j + 1)/4.

(ii) According to Ref. [1], there is a misprint in Eq. (4-282) of Ref. [2], and the following sentences after Eq. (4-282) are misleading. Such a relation among moments of inertia should be replaced by $A_1 \ge A_2 \ge A_3$ ($\mathcal{J}_1 \le \mathcal{J}_2 \le \mathcal{J}_3$) to keep consistency with the definition of κ in Eq. (4.281) and Figure 4-33 in Ref. [2]. Because of this misprint in Eq. (4-282) of Ref. [2], we misstated two items in the paragraph starting from "Similarly, in Fig. 4, ... described by (R, R_z)." in the left-hand side of p. 064315-6 of the original paper. "Once the D_2 invariance is violated ... (+1, -1, -1) symmetry [1]" should read "Once the other symmetry except for *A*-symmetry appears ... (-1, -1, +1) symmetry [1]." In addition, "even when the D_2 invariance is violated (see ...)." should be "even when the other symmetry appears (see ...).". Because *H* in this paper is D_2 invariant, all four symmetry states appear equally under D_2 invariance.

(iii) The first paragraph in the right-hand side of p. 064315-15 of the original paper. "This $R_z = 2$ level ... and (+1, -1, -1) ... is satisfied." should read "This $R_z = 2$ level ... and (-1, -1, +1) ... is satisfied."

The results, figures, and the other parts of the conclusion in the original paper are not affected by these corrections.

^[1] G. W. King, R. M. Hainer, and P. C. Cross, J. Chem. Phys. 11, 27 (1943).

^[2] A. Bohr and B. R. Mottelson, Nuclear Structure (Benjamin, Reading, MA, 1975), Vol. II.