

Erratum: High-spin structure and multiphonon γ vibrations in very neutron-rich ^{114}Ru [Phys. Rev. C **83**, 054317 (2011)]

E. H. Wang , E. Y. Yeoh (杨韵颐), S. J. Zhu (朱胜江), J. H. Hamilton, K. Li, A. V. Ramayya, Y. X. Liu (刘艳鑫), J. K. Hwang, S. H. Liu, J. G. Wang (王建国), Y. Sun (孙扬), J. A. Sheikh, G. H. Bhat, Y. X. Luo, J. O. Rasmussen, I. Y. Lee, H. B. Ding (丁怀博), L. Gu (顾龙), Q. Xu (徐强), Z. G. Xiao (肖志刚), and W. C. Ma



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We report several corrections to the original paper.

In our original publication we published level schemes of ^{114}Ru and we determined level energies based on certain transitions and subsequently adjusted the raw data for other transitions to fit those energies. This is not correct scientific procedure as it alters original data, and it risks introducing incorrect transition and level energies into the literature. The main purpose of this Erratum is to provide the original data.

In this Erratum, the new level scheme of ^{114}Ru is shown in Fig. 1, accompanied by their new transition energies listed in Table I. An energy recalibration was applied, resulting in numerical adjustments. Everywhere in the text where our original paper specified transition or level energies, these should be replaced by the corresponding correct energies in Table I of the present Erratum.

TABLE I. List of the γ -ray transition energies in keV in ^{114}Ru . The old energy values from the original paper are also listed for comparison. Tentative transition is listed with parentheses.

E_γ (keV)		E_i (keV)	
Original	New	Original	New
(235.8)	(235.4)	1813.8	1813.3
265.2	265.0	265.2	265.0
265.5	265.6	828.8	828.6
298.1	297.9	563.3	562.9
443.0	442.8	708.2	707.8
518.6	518.3	1081.9	1081.2
543.8	543.8	1372.6	1372.4
563.3	562.9	563.3	562.9
563.6	563.7	828.8	828.6
590.6	590.5	1298.8	1298.3
679.5	679.3	1761.4	1760.5
684.6	684.4	2057.2	2056.8
709.4	709.3	2008.2	2007.6
731.9	731.9	1813.8	1813.3
746.1	745.6	4320.4	4319.7
749.2	750.5	1578.0	1578.1
775.2	775.3	2832.4	2832.1
781.0	781.0	3574.3	3574.1
785.1	785.5	2793.3	2793.1
985.0	984.8	1813.8	1813.3
1014.7	(1015.2)	1578.0	1578.1
1360.9	1361.0	2069.1	2068.8

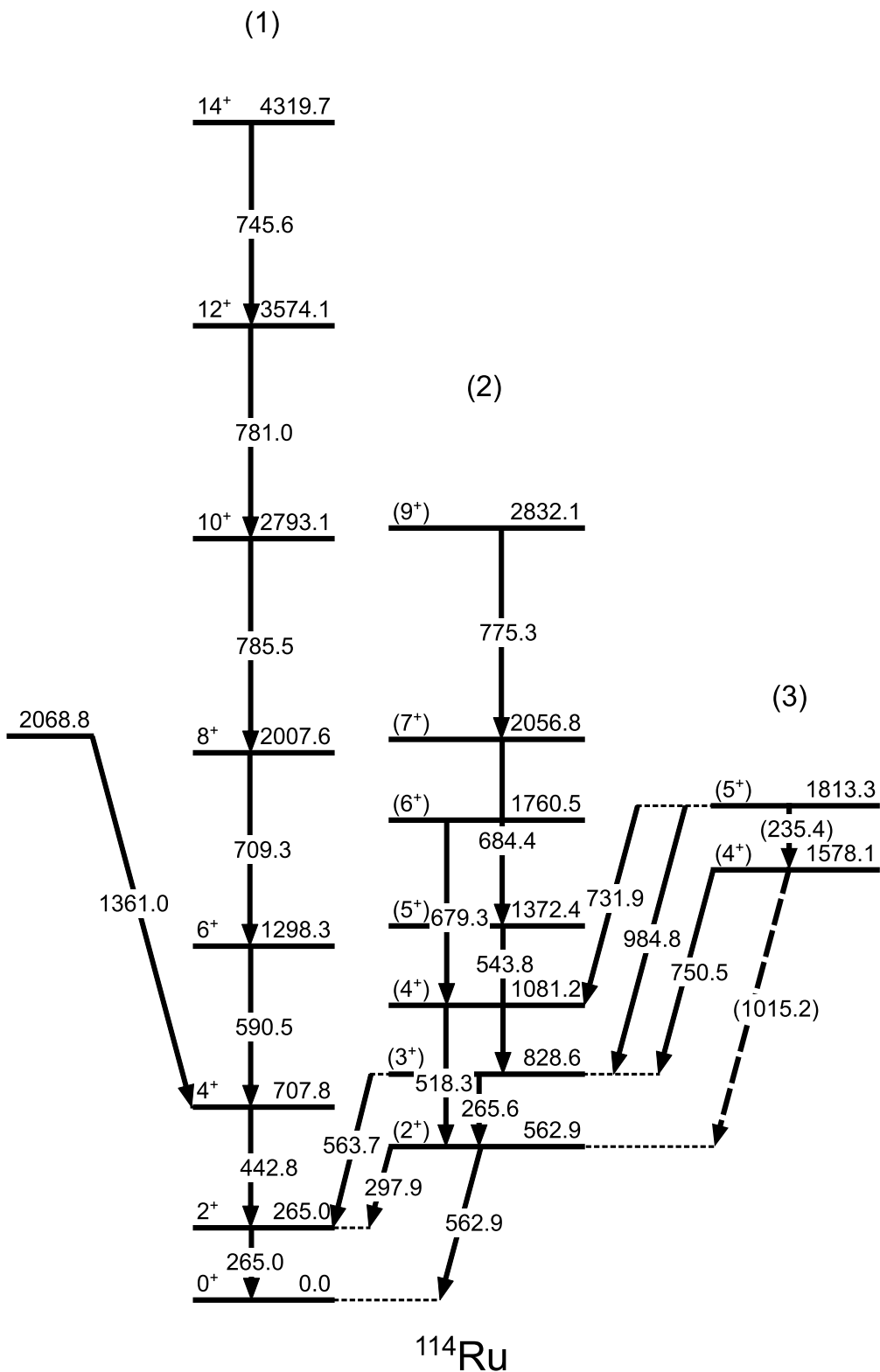


FIG. 1. Level scheme of ^{114}Ru . Energies are given in keV.

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