Erratum: New high-spin level scheme of neutron-rich ^{112}Rh [Phys. Rev. C 87, 057302 (2013)]

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We report several corrections to the original paper.

In our original publication we published the level scheme of ^{112}Rh, we determined level energies based on certain transitions and subsequently adjusted the raw data for other transitions to fit these energies. This is not correct scientific procedure as it alters the 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 ^{112}Rh is illustrated 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 new ones in Table I of the present Erratum.

The authors thank the data scientists at the National Nuclear Data Center at BNL for calling our attention to these energy corrections.

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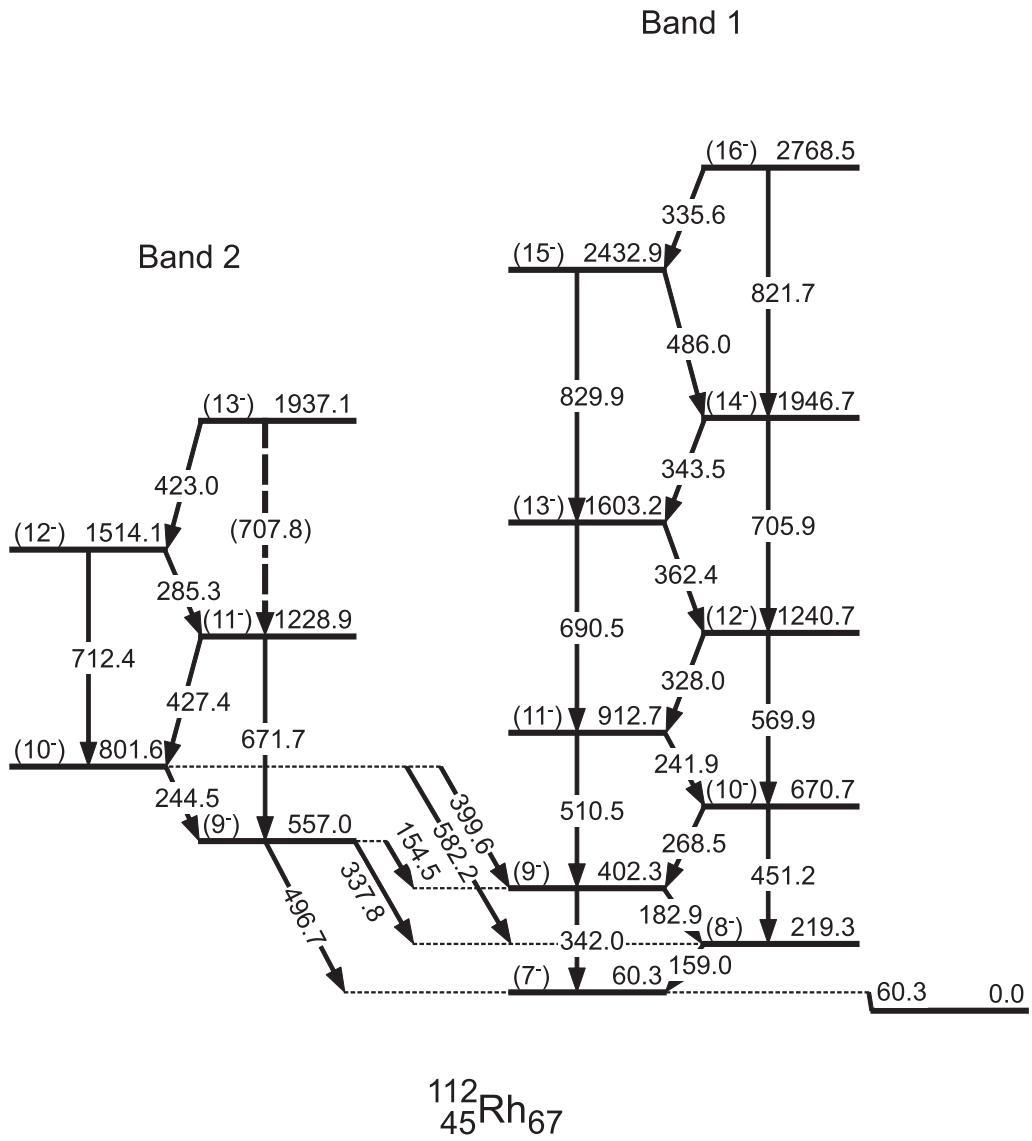


FIG. 1. Level scheme of ^{112}Rh. Energies are given in keV. The energy levels are normalized to an unknown level. Tentative transition is labeled with parenthesis.

TABLE I. List of the γ-ray transition energies in keV in ^{112}Rh. The old energy values from the original paper are also listed for comparison. The energy levels are normalized to an unknown level. Tentative transition is listed with parenthesis.

E_γ (keV)		E_i (keV)	
Original	New	Original	New
60.6	60.3	60.6	60.3
154.7	154.5	557.8	557.0
159.3	159.0	219.9	219.3
183.2	182.9	403.1	402.3
242.0	241.9	913.7	912.7
244.9	244.5	802.7	801.6
268.6	268.5	671.7	670.7
284.9	285.3	1515.2	1514.1
327.9	328.0	1241.6	1240.7
335.4	335.6	2769.6	2768.5
337.9	337.8	557.8	557.0
342.5	342.0	403.1	402.3
343.6	343.5	1947.7	1946.7
362.5	362.4	1604.1	1603.2
399.6	399.6	802.7	801.6
422.9	423.0	1938.1	1937.1
427.6	427.4	1230.3	1228.9
451.8	451.2	671.7	670.7
486.5	486.0	2434.2	2432.9
497.2	496.7	557.8	557.0
510.6	510.5	913.7	912.7
569.9	569.9	1241.6	1240.7
582.8	582.2	802.7	801.6
672.5	671.7	1230.3	1228.9
690.4	690.5	1604.1	1603.2
706.1	705.9	1947.7	1946.7
(707.8)	(707.8)	1938.1	1937.1
712.5	712.4	1515.2	1514.1
821.9	821.7	2769.6	2768.5
830.1	829.9	2434.2	2432.9