Erratum: Higher-order crystal field and rare-earth magnetism in rare-earth–Co$_5$ intermetallics [Phys. Rev. B 101, 214433 (2020)]

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It has been brought to our attention that Tb $4f$ eigenstates in Table V of the published paper are not correct. The errors, which occurred during the paper production process after its acceptance, are in the first largest coefficient $a(J, M)$ in each eigenvector $\sum_{JM} a(JM)|JM\rangle$. The correct Table V is shown below.

TABLE V. Calculated eigenvalues and eigenstates of Tb $4f$ shell in TbCo$_5$.

$E - E_{GS}$, K	Eigenstates in $|JM\rangle$ basis
0	$+1.000|6+6\rangle$
232	$+0.994|6+5\rangle + 0.091|6+3\rangle + 0.048|5+5\rangle$
428	$+0.991|6+4\rangle + 0.098|6+2\rangle + 0.080|5+4\rangle$
634	$+0.989|6+3\rangle - 0.093|6+5\rangle + 0.088|5+3\rangle + 0.076|6+1\rangle$
844	$+0.988|6+2\rangle - 0.098|6+4\rangle + 0.095|5+2\rangle + 0.059|6+0\rangle$
1050	$+0.989|6+1\rangle + 0.103|5+1\rangle - 0.076|6+3\rangle + 0.060|6-1\rangle$
1251	$+0.989|6+0\rangle + 0.109|5+0\rangle + 0.076|6-2\rangle - 0.060|6+2\rangle$
1448	$+0.987|6-1\rangle + 0.110|5-1\rangle + 0.090|6-3\rangle - 0.062|6+1\rangle$
1647	$+0.987|6-2\rangle + 0.104|5-2\rangle + 0.088|6-4\rangle - 0.078|6+0\rangle$
1852	$+0.989|6-3\rangle + 0.093|5-3\rangle - 0.091|6-1\rangle + 0.063|6-5\rangle$
2059	$+0.992|6-4\rangle - 0.087|6-2\rangle + 0.083|5-4\rangle$
2260	$+0.995|6-5\rangle + 0.071|5-5\rangle - 0.061|6-3\rangle$
2440	$+1.000|6-6\rangle$

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[*]Deceased.