Erratum: Systematic decomposition of the neutrinoless double beta decay operator

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ERRATUM TO: [JHEP03\(2013\)055](#)

KEYWORDS: Beyond Standard Model, Neutrino Physics

ARXIV EPRINT: [1212.3045](#)

We have discovered a few misprints in tables 8 and 9 of the paper. Some quantum numbers for the intermediate scalar or fermion were incorrectly given. The correct quantum numbers are given in table 1, where the corrections are emphasized in red color.

In addition, in table 9 two possible decompositions were not listed by accident. The missing decompositions correspond to two cases in decomposition 4-i, BL#11, and are given in table 2.

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Decomp:	Operator	BL	S	Ψ	S'
2-iii-b	$(d_R \bar{e}_L)(d_L)(\bar{u}_R)(\bar{u}_R \bar{e}_R)$	#20	$(\bar{\mathbf{3}}, \mathbf{2})_{-1/6}$	$(\mathbf{3}, \mathbf{1})_{-1/3}$	$(\bar{\mathbf{3}}, \mathbf{1})_{+1/3}$
			$(\bar{\mathbf{3}}, \mathbf{2})_{-1/6}$	$(\bar{\mathbf{6}}, \mathbf{1})_{-1/3}$	$(\bar{\mathbf{3}}, \mathbf{1})_{+1/3}$
5-i	$(\bar{u}_L \bar{e}_L)(d_R)(d_R)(\bar{u}_L \bar{e}_L)$	#11	$(\mathbf{3}, \mathbf{3})_{-1/3}$	$(\mathbf{1}, \mathbf{3})_0$	$(\bar{\mathbf{3}}, \mathbf{3})_{+1/3}$
			$(\mathbf{3}, \mathbf{3})_{-1/3}$	$(\mathbf{8}, \mathbf{3})_0$	$(\bar{\mathbf{3}}, \mathbf{3})_{+1/3}$
	$(\bar{u}_R \bar{e}_R)(d_R)(d_R)(\bar{u}_L \bar{e}_L)$	#19	$(\mathbf{3}, \mathbf{1})_{-1/3}$	$(\mathbf{1}, \mathbf{1})_0$	$(\bar{\mathbf{3}}, \mathbf{1})_{+1/3}$
			$(\mathbf{3}, \mathbf{1})_{-1/3}$	$(\mathbf{8}, \mathbf{1})_0$	$(\bar{\mathbf{3}}, \mathbf{1})_{+1/3}$
	$(\bar{u}_R \bar{e}_R)(d_R)(d_R)(\bar{u}_R \bar{e}_R)$	—	$(\mathbf{3}, \mathbf{1})_{-1/3}$	$(\mathbf{1}, \mathbf{1})_0$	$(\bar{\mathbf{3}}, \mathbf{1})_{+1/3}$
			$(\mathbf{3}, \mathbf{1})_{-1/3}$	$(\mathbf{8}, \mathbf{1})_0$	$(\bar{\mathbf{3}}, \mathbf{1})_{+1/3}$

Table 1. Misprints in tables 8 and 9. The corrected quantum numbers are emphasized in red colour.

#	Operators	BL	S	ψ	S'	Basis op.
4-i	$(d_R \bar{e}_L)(\bar{u}_L)(\bar{u}_L)(d_R \bar{e}_L)$	#11	$(\bar{\mathbf{3}}, \mathbf{2})_{-1/6}$	$(\mathbf{1}, \mathbf{3})_0$	$(\mathbf{3}, \mathbf{2})_{+1/6}$	$\frac{1}{32}(\mathcal{O}_1)_{\{RR\}R} - \frac{1}{128}(\mathcal{O}_2)_{\{RR\}R}$
			$(\bar{\mathbf{3}}, \mathbf{2})_{-1/6}$	$(\mathbf{8}, \mathbf{3})_0$	$(\mathbf{3}, \mathbf{2})_{+1/6}$	$\frac{1}{24}(\mathcal{O}_1)_{\{RR\}R} - \frac{1}{96}(\mathcal{O}_2)_{\{RR\}R}$

Table 2. Decompositions #4-i accidentally not listed in table 9 of the paper.