

**Erratum: Detailed calculation of lepton flavor violating muon-electron conversion rate
for various nuclei
[Phys. Rev. D **66**, 096002 (2002)]**

Ryuichiro Kitano, Masafumi Koike, and Yasuhiro Okada
(Received 25 July 2007; published 17 September 2007)

 DOI: [10.1103/PhysRevD.76.059902](https://doi.org/10.1103/PhysRevD.76.059902)

PACS numbers: 11.30.Fs, 14.60.Ef, 99.10.Cd

There are typographical errors found in Ref. [1].

In Eq. (29), a factor of the muon mass, m_μ , needs to be inserted in the right-hand side of the equation:

$$V^{(p)} \sim S^{(p)} \sim \frac{1}{8\pi} m_\mu \langle \phi_\mu \rangle ZF_p. \quad (29)$$

There is a typographical error in Table VI. The values in the $V^{(n)}$ column should be larger by an order of magnitude. The correct table is the following.

		D	$S^{(p)}$	$V^{(p)}$	$S^{(n)}$	$V^{(n)}$	Reference
${}_{82}^{208}\text{Pb}$	Minimum	0.163	0.0493	0.0845	0.0675	0.119	[28]
	Maximum	0.163	0.0493	0.0845	0.0697	0.121	

Finally, it lacks a factor of e^2 in Eqs. (39) and (40). The correct equations are

$$B_{\mu N \rightarrow e N}^{\text{WF}} = \frac{8e^2 G_{\text{F}}^2 m_\mu^5}{\pi^2} \alpha^3 Z_{\text{eff}}^4 ZF_p^2 (|A_L|^2 + |A_R|^2) \frac{1}{\omega_{\text{capt}}}, \quad (39)$$

and

$$R^{\text{WF}}(Z) = \frac{B_{\mu N \rightarrow e N}^{\text{WF}}}{B(\mu \rightarrow e \gamma)} = \frac{e^2 G_{\text{F}}^2 m_\mu^5 \alpha^3 Z_{\text{eff}}^4 ZF_p^2}{48\pi^4 \omega_{\text{capt}}}. \quad (40)$$

All other numerical numbers in tables and figures are unchanged.

[1] R. Kitano, M. Koike, and Y. Okada, Phys. Rev. D **66**, 096002 (2002).