Erratum: Decoherence of rotational degrees of freedom [Phys. Rev. A 94, 052109 (2016)]Changchun Zhong and F. Robicheaux

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There was a factor of 2 error in the evaluation of Eq. (35) because the polarization of the outgoing photon should have been summed over instead of averaged. Thus, Eqs. (37), (39), and (41) should be twice as large on the right-hand side. In the last line of the paragraph below Eq. (40), the evaluation changes to $\Lambda \sim 6.4 \times 10^{-14} (\frac{T_E}{K})^7 \sin^2 \beta (1/s)$. In the last line below Eq. (41), the evaluation changes to $\mathcal{L} = 3.0 \times 10^{-23} (\frac{T_E}{K})^9 \sin^2 \beta (1/s)$. This factor of 2 error does not change the order of the numerical evaluation in the table. The conclusions in the text do not change.