



Cite this: *Phys. Chem. Chem. Phys.*, 2024, **26**, 12893

DOI: 10.1039/d4cp90064b

rsc.li/pccp

Correction: Quantum and semiclassical studies of nonadiabatic electronic transitions between N(⁴S) and N(²D) by collisions with N₂

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Correction for 'Quantum and semiclassical studies of nonadiabatic electronic transitions between N(⁴S) and N(²D) by collisions with N₂' by Dandan Lu *et al.*, *Phys. Chem. Chem. Phys.*, 2023, **25**, 15656–15665, <https://doi.org/10.1039/D3CP01429K>.

In this publication, the electronic degeneracy factors q_{R1} and q_{R-1} in eqn (10) were chosen to be 2 and 4, respectively. For reactions involving two spin manifolds, the definition of the electronic degeneracies is not unique, but should be the same. For the current system, it is reasonable to choose the value of 2 for both the forward (R1) and reverse (R-1) processes, as there exists a barrier on the doublet states of the N + N₂ system. In addition, conjecturing that a common value applies in such situations for both processes is probably the most sensible approximation when considering the equilibrium. As a result, the rate coefficients reported for R-1 should be divided by a factor of 2. This change does not impact the conclusions.

Acknowledgements: The authors thank Prof. Markus Meuwly for bringing attention to this issue.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.



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