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Author Correction: Weakly bound molecules as sensors of new gravitylike forces

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Correction to: *Scientific Reports* <https://doi.org/10.1038/s41598-019-51346-y>, published online 15 October 2019

This Article contains errors in the text under subheading ‘Determination of Constraints’.

“If data for many isotopes are to be used^{35,36} an *ab initio* calculation of isotope-dependent corrections, like the adiabatic, nonadiabatic or nuclear volume corrections²⁸ may prove necessary.”

should read:

“If data for many isotopes are to be used³⁵ an *ab initio* calculation of isotope-dependent corrections, like the adiabatic, nonadiabatic or nuclear volume corrections²⁸ may prove necessary.”

In addition,

“In the future, with the development of next-generation optical molecular clocks^{25,35} and with improved theoretical description of long range interactions^{32,34}, our technique could constrain new gravitylike forces at unprecedented levels and provide a valuable means of testing new physics beyond the Standard Model^{1,2,3,4,5,6}.”

should read:

“In the future, with the development of next-generation optical molecular clocks^{25,36} and with improved theoretical description of long range interactions^{32,34}, our technique could constrain new gravitylike forces at unprecedented levels and provide a valuable means of testing new physics beyond the Standard Model^{1,2,3,4,5,6}.”

This Article also contains an error in Reference 27 which was incorrectly given as:

“Janssen, L. M. C., Groenenboom, G. C., Avoird, A. V. D., Żuchowski, P. S. & Podeszwa, R. *Ab initio* potential energy surfaces for with analytical long range. *The Journal of Chemical Physics* **131**, 224314 (2009).”

The correct reference is listed below:

“Janssen, L. M. C., Groenenboom, G. C., Avoird, A. V. D., Żuchowski, P. S. & Podeszwa, R. *Ab initio* potential energy surfaces for $\text{NH}(^3\Sigma^-)\text{-NH}(^3\Sigma^-)$ with analytical long range. *The Journal of Chemical Physics* **131**, 224314 (2009).”

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