
ERRATA

**Erratum: Determination of the dipole polarizabilities of $H_2^+(0,0)$ and $D_2^+(0,0)$
by microwave spectroscopy of high- L Rydberg states of H_2 and D_2
[Phys. Rev. A 56, R4361 (1997)]**

P. L. Jacobson, D. S. Fisher, C. W. Fehrenbach, W. G. Sturuss, and S. R. Lundeen

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PACS number(s): 33.15.Kr, 33.15.Pw, 33.20.Bx, 99.10.+g

The calculated values of $\Delta E^{[2]}$, used in the analysis of the experimental measurements, and shown in Table I, are incorrect for the case of the D_2 intervals. The correct values, listed in the order of Table I, are 38.09(21), 3.56(4), 45.0(1.3), 14.23(17), and 4.56(3) MHz. With these corrections, all ten measured intervals are consistently fit by the analysis described after Eq. (7), yielding χ^2 of 2.7 for 7 degrees of freedom. The fitted intercepts, from which the polarizabilities are inferred, are altered for both ions, though the change is statistically significant only for D_2^+ . The corrected results are given in the revised Table II shown below. In contrast with the results initially reported, the measured polarizability for D_2^+ is now closer to the adiabatic theory, as was expected because of the larger nuclear mass.

TABLE II. Measured and calculated polarizabilities for H_2^+ and D_2^+ (results in a_0^3).

Ion	Experiment	Theory	$(E-T)/E$	$(E-T)/\sigma$
$H_2^+(0,0)$	3.1664(7)	3.1713	-0.155(22)%	-7.0
$D_2^+(0,0)$	3.0704(7)	3.0731	-0.088(22)%	-4.0

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**Erratum: Superfluid state of atomic ${}^6\text{Li}$ in a magnetic trap
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M. Houbiers, R. Ferwerda, H. T. C. Stoof, W. I. McAlexander, C. A. Sackett, and R. G. Hulet

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Because of an error in the final production stage, the following reference citations have been misprinted:

- (i) The reference on page 4867 above Eq. (8) should be [17] instead of [15].
- (ii) The reference on page 4868 below Eq. (9) should be [18] instead of [16].
- (iii) The reference on page 4868 above Eq. (13a) should be [18] instead of [16].
- (iv) The reference on page 4869 above Eq. (18) should be [14] instead of [17].
- (v) The reference on page 4873 in the second paragraph of Sec. III B should be [25] instead of [24].
- (vi) The reference on page 4875 above Eq. (34) should be [18] instead of [16].
- (vii) The reference on page 4876 in the second paragraph of Sec. IV should be [28] instead of [27].