

Erratum: Nuclear Charge Radii of $^{8,9}\text{Li}$ Determined by Laser Spectroscopy [Phys. Rev. Lett. 93, 113002 (2004)]

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(Received 7 December 2004; published 25 January 2005)

DOI: 10.1103/PhysRevLett.94.039901

PACS numbers: 32.10.Fn, 21.10.Ft, 27.20.+n, 99.10.Cd

A small numerical error was made in the calculation of the charge radii and their uncertainties. Its correction slightly changes the values for $\delta\langle r_c^2 \rangle$, which, in turn, modify r_c but only in the last digit. The uncertainties of the charge radii were clearly overestimated. A new version of Table II with the corrected values is given here. Additionally, the charge radii from Návratil *et al.* [18], shown in Fig. 4, were inadvertently shifted by one mass number. Therefore the conclusions drawn from Fig. 4 concerning the large basis shell model (LBSM) calculations should be slightly altered: LBSM calculations underestimate the absolute size of the charge radii. A corrected version of Fig. 4 is included.

TABLE II. Isotope shift (IS) $\Delta\nu_{\text{exp}}^{A,7}$ of the $2^2S_{1/2} \rightarrow 3^2S_{1/2}$ transition and extracted $\delta\langle r_c^2 \rangle^{A,7}$ and rms r_c values.

	IS, MHz	$\delta\langle r_c^2 \rangle^{A,7}$, fm ²	r_c , fm	Reference
^6Li	-11 453.95(13)	0.60(11)	2.51(4)	This work.
	-11 453.734(30)	0.47(5)	2.49(4)	[7]
		0.79(25)	2.55(4)	[14]
^7Li			2.39(3)	[14]
^8Li	8635.79(15)	-0.43(11)	2.30(4)	This work.
^9Li	15 333.14(18)	-0.72(14)	2.24(4)	This work.

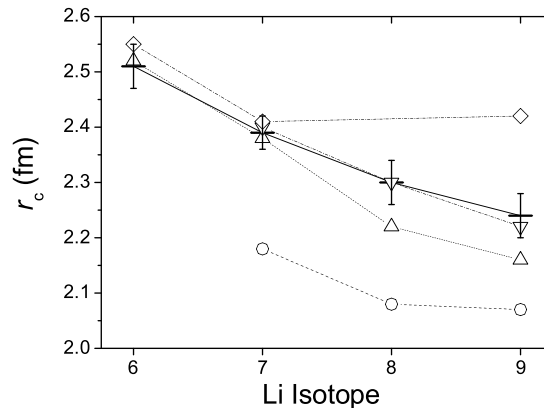


FIG. 4. The rms charge radii for $^{6,7,8,9}\text{Li}$: (+) this measurement with ^7Li r_c from electron scattering as reference; (○) LBSM [18]; (△) QMC calculations [16,17]; (▽) SVMC calculations [15]; (◇) DCM [19].