Erratum

Erratum: Energy and angular distribution of electrons ejected from autoionization states in helium by electron impact
[Phys. Rev. A 15, 574 (1977)]

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Values in the column labeled "Bhatiaⁱ" are incorrect and two values should be added in the column labeled "Bhatia and Temkin^h" in Table II. Table II should be replaced by the following.

TABLE II. Resonance energies (E_r 's) of autoionization states in helium (in units of eV). The figures in brackets denote the expected error in the last digit of the experimental values.

State	Experiment (E_r)					Theory (E_r)					
	This work	Madden and Codling ^a	Rudd ^b	Hicks and Comer ^c	Siegbahn <i>et al.</i> ^d	Burke and Taylor ^e	Burke and McVicar ^f	Bhatia and Temkin ^g	Bhatia and Temkin ^h	Bhatia ⁱ	Altick and Moore ^j
(2s ²) ¹ S	57.84(2)		57.82(5)	57.82(4)	57.95(3)	57.842	57.865		57.844	57.836	
(2s2p) ³ P	58.30(2)		58.34(5)	58.30(3)		58.317	58.360	58.298	58.321		
(2p ²) ¹ D	59.89(2)		60.0	59.89(3)	59.86(2)	59.911			59.915		
(2s2p) ¹ P	60.13	60.130(15) ^k	60.13	60.130	60.12(1)	60.149	60.269	60.143	60.145	60.146	60.340
(2p ²) ¹ S	62.08(3)		62.15(5)	62.06(3)		62.134	62.808		62.091		
(2s3s) ¹ S	62.94(3)		62.95(5)	62.94(3)	62.94(2)	62.975	63.009		62.962		
(sp23-) ³ P ^m	63.08(3)		63.08(5)	63.07(3)			63.141		63.107		
(2p3p) ¹ D	63.52(3)			63.50(3)	63.50(2)				63.526		
(sp23+) ¹ P	63.64(3)	63.651(7) ^l	63.65	63.65(3)	63.65(2)		63.691	63.677	63.661		63.707
(2p3p) ¹ S	64.12(3)		64.22(5)				64.182		64.101		
(2s4s) ¹ S	64.12(3)		64.22(5)	64.18(3)	64.22(3)		64.216				
(sp24-) ³ P ^m	64.24(3)		64.22(5)	64.23(3)			64.255				
(2p4p) ¹ D	64.40(3)			64.39(3)	64.38(3)				64.415		
(sp24+) ¹ P	64.48(3)	64.462(7)	64.46(5)	64.45(3)	64.45(2)		64.481				
(2s5s) ¹ S	64.70(4)		64.71(5)	64.67(4)	64.70(2)		64.698				
(sp25-) ³ P ^m	64.70(4)		64.71(5)	64.69(4)			64.712				
(2p5p) ¹ D	64.74(4)										
(sp25+) ¹ P	64.80(3)	64.813(7)			64.81(3)		64.824				

^a Reference 1.

^b Reference 7.

^c Reference 26.

^d Reference 23.

^e Reference 47.

^f Reference 46.

^g A. K. Bhatia and A. Temkin, Phys. Rev. 182, 15 (1969).

^h Reference 54.

ⁱ A. K. Bhatia, Phys. Rev. A 10, 729 (1974).

^j P. L. Altick and E. N. Moore, Phys. Rev. Lett. 15, 100 (1965).

^k This value was used to calibrate the energy scale of the present measurement.

^l This value was used to calibrate the energy scale by Rudd (Ref. 7).

^m If we follow the notations by Altick and Moore^j and by L. Lipsky and A. Russek [Phys. Rev. 142, 59 (1966)], this series may be expressed as (sp2n+)³P (n=3, 4, 5).

If the energy calibration is done based on the best theoretical value by Temkin and Bhatia^h (60.145 eV) for the (2s2p)¹P state in place of that by Madden and Codling (60.130 eV) used in this work, all the experimental energies listed in the columns labeled "this work," "Rudd^b," and "Hicks and Comer^c" in Table II will be increased by ~0.015 eV. The authors wish to thank Dr. A. K. Bhatia, Dr. A. Temkin, and Dr. W. Shearer-Izumi for their valuable comments.