Errata

Erratum: Exchange correction to electron–hydrogen-molecule scattering cross section in the Glauber approximation [Phys. Rev. A 23, 641 (1981)]

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Equation (13) should read

$$g=\tfrac{1}{2}G(1+e^{i\vec{q}\cdot\vec{R}}) \ .$$

Consequently the differential scattering cross section (DSC) [Eq. (14)] will become

$$2|F-\tfrac{1}{2}G|^2[1+j_0(qR)]$$

instead of

$$2|F-G|^2[1+j_0(qR)] \ .$$

Owing to this error the results of our subsequent paper are changed without affecting the conclusions. In the following table, we give the elastic DSC results for 30-eV incident electrons, with the corrected expression.

We are grateful to Dr. S. P. Khare for bringing this to our attention.

TABLE I. Elastic differential scattering cross section for 30-eV incident electrons (in a_0^2/sr units).

Angle (deg)	Present results with Franco exchange ($q_z=0$)	
	With polarization	Without polarization
1	48.420	52.504
5	36.430	23.183
10	26.226	13.333
20	13.226	6.454
30	6.431	3.644
40	3.195	2.158
50	1.691	1.304
60	0.967	0.801
70	0.594	0.504
80	0.389	0.327
90	0.269	0.221
100	0.196	0.155
110	0.150	0.115
120	0.120	0.0894
130	0.101	0.0728

Erratum: Electron transfer in p-He^+ and He^{2+}-H collisions using a Sturmian basis [Phys. Rev. A 25, 697 (1982)]

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In Fig. 7, the transfer is into all states of H rather than He^+ as was stated in the caption, and the experimental data points at 40 and 82 keV (the first of which coincides with the Sturmian result) should be open circles rather than closed circles.

