
Errata

Erratum: Electron-hydrogen-atom collisions in the presence of a laser field: Born-Oppenheimer approximation**[Phys. Rev. A 19, 1058 (1979)]**

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An error has been noted in the specific application of our model to the $1s \rightarrow 2s$ excitation process: $\Delta\rho = \rho_{2s} - \rho_{1s}$ is zero, instead of the 1.74 quoted in Sec. III. This error invalidates Fig. 1; actually in this approximation the $1s \rightarrow 2s$ excitation for hydrogen occurs only via zero-photon processes. Applying the method to the $1s \rightarrow (3p, 3d)$ excitation, for which $|\rho_3| = e^3 E_0 / 5.1 (m \omega^3)$, multiphoton processes contribute to the total cross section. For the laser parameters quoted in the text, $\rho_3 = 0.68$, within the range of validity of our model.

We thank Dr. R. S. Pundir for calling our attention to the incorrect value of ρ_2 .

Erratum: Electron capture from K shells by fully stripped ions**[Phys. Rev. A 22, 1896 (1980)]**

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The superscript on the left-hand side of Eq. (10) should be deleted. Equation (10) defines $\sigma_{KS'}$.