ERRATA

Study of Rb_2 Long-Range States by High-Resolution Photoassociation Spectroscopy [Phys. Rev. Lett. 73, 632 (1994)]

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On page 632, the second and third sentences in the last paragraph should read as follows: "The peak density is not accurately known, but it is of the order of 1×10^{12} cm^{-3} [4,11]. The FORT laser is tuned to 12 289 cm^{-1}, which is between two well-resolved photoassociation resonances [4]."

Figures 1 and 2 appear below properly presented.

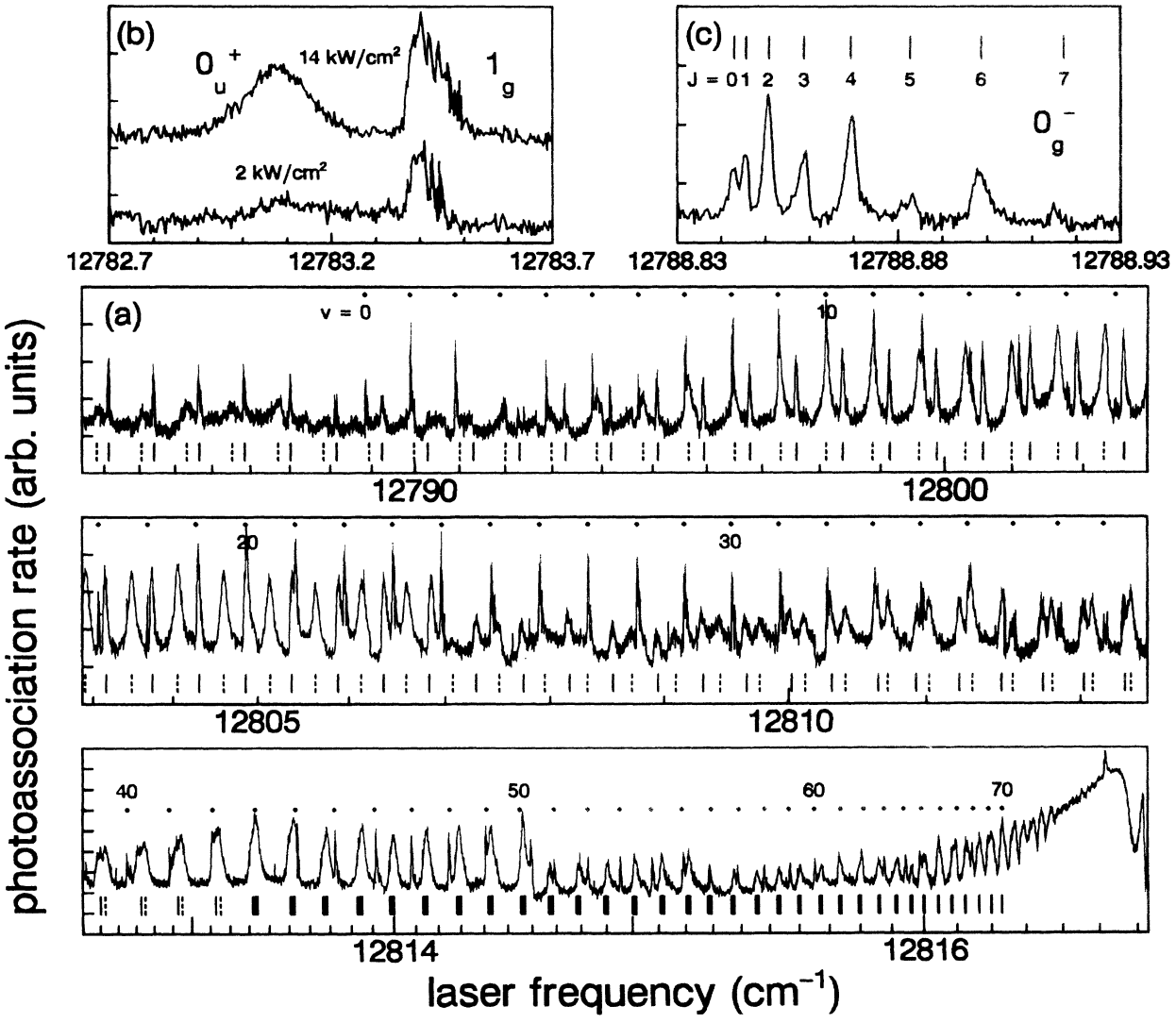


FIG. 1. High-resolution photoassociation spectrum of $^{85}Rb_2$. (a) Complete spectrum over the range within 35 cm^{-1} of the $5^2S_{1/2} + 5^2P_{3/2}$ asymptote. Notice that the frequency scale is expanded as the dissociation limit is approached. Vibrational lines of the 0_g^- pure long-range state are indicated by the dots above the spectrum. Vibrational lines associated with the 0_u^+ and 1_g states are indicated by the dashed and solid lines below the spectrum, respectively. Above 12 813.5 cm^{-1} these two series overlap, as indicated by the thick solid lines. (b) High-resolution scan showing the substructure of the 0_u^+ and 1_g states. The 0_u^+ state exhibits predissociation broadening, whereas the 1_g state displays hyperfine structure. (c) High-resolution scan of the $v = 0$ level of the 0_g^- state, showing a well-resolved rotational series.

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