Erratum: Tin dioxide from first principles: Quasiparticle electronic states and optical properties [Phys. Rev. B 83, 035116 (2011)]

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After publication of this article, we discovered an error in our digitization of the experimental data from Ref. 1 included in Fig. 7 of our paper. The correct experimental spectra are now plotted in Fig. 1, which shifts the perpendicular absorption coefficient ($\alpha_\perp$) 0.1 eV lower in energy. We note that the theoretical spectra now consistently overestimate the experimental spectra for both polarizations by approximately 50 meV, which is in line with our error bar of $\sim$0.1 eV for the underlying quasiparticle band structure and approximations we have made for the dielectric constant.

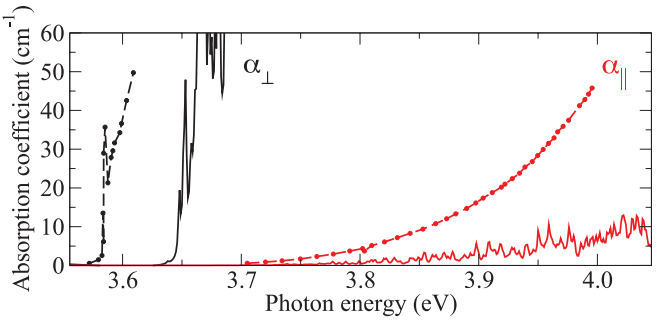

FIG. 1. (Color online) Absorption coefficient calculated from the Bethe-Salpeter equation for SnO_2 (solid lines) plotted alongside the experimental results at $T = 7$ K (circles) (Ref. 1) for perpendicular (black curves on the left) and parallel (red curves on the right) light polarization. Lorentzian broadening of 0.001 eV has been added to the calculated results to simulate the lifetime and instrumental broadening inherent to the experiment. The broadening artifacts below the absorption edge have been subtracted.

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[1]M. Nagasawa and S. Shionoya, J. Phys. Soc. Jpn. **30**, 1118 (1971).

