

Erratum: Magnetic anisotropy of the van der Waals ferromagnet Cr₂Ge₂Te₆ studied by angular-dependent x-ray magnetic circular dichroism **[Phys. Rev. Research 4, 013139 (2022)]**

M. Suzuki, B. Gao, G. Shibata , S. Sakamoto , Y. Nonaka , K. Ikeda, Z. Chi, Y.-X. Wan , T. Takeda , Y. Takeda, T. Koide, A. Tanaka , M. Kobayashi , S.-W. Cheong, and A. Fujimori 



(Received 28 July 2026; published 31 August 2026)

DOI: [10.1103/gq1w-bbz3](https://doi.org/10.1103/gq1w-bbz3)

In the published article, the relative energy positions of the a_{1g} and e_g^π levels in Fig. 1(c) were inadvertently reversed. For the positive trigonal crystal-field parameter D_t deduced from the cluster-model calculations, the nondegenerate a_{1g} level lies below the doubly degenerate e_g^π level. Figure 1 should therefore be replaced by the corrected one shown here.

Accordingly, in Sec. III B (p. 4, left column), the sentence beginning with “Here, for a positive (negative) trigonal crystal field” should read: “Here, for a positive (negative) trigonal crystal field D_t , the a_{1g} level is located below (above) the e_g^π level.”

These corrections are limited to the level ordering in Fig. 1(c) and the corresponding description of the sign convention for D_t . The cluster-model calculations were performed using the correct level ordering and therefore remain unchanged. The calculated spectra, magnetic anisotropy energies, and conclusions of the article are also unaffected.

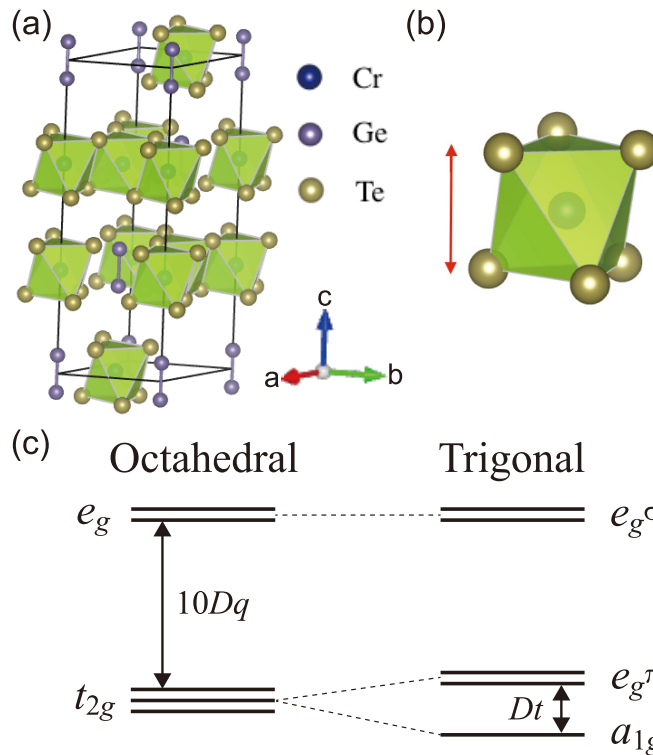


FIG. 1. Crystal structure of Cr₂Ge₂Te₆ (CGT). (a) Schematic drawing of the crystal structure. (b) CrTe₆ octahedron that is elongated along the c axis. (c) Crystal-field splitting of the Cr $3d$ orbital in the distorted octahedron to trigonal symmetry.