Erratum: Charge order induced Dirac pockets in the nonsymmorphic crystal $TaTe_4$ [Phys. Rev. B 108, 155121 (2023)]

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(1) The authorship of this paper has been amended to include new coauthors Dr. Gregory T. McCandless and Dr. Julia Y. Chan of Department of Chemistry and Biochemistry, Baylor University, who were erroneously omitted on submission. Doctors McCandless and Chan were responsible for x-ray characterization of the sample used in this study. The Supplemental Material PDF file has also been updated to reflect the revised authorship.

(2) Position of the correction: the beginning of the third paragraph in the "Introduction" section.

Correction: "The subcell of $TaTe_4$ crystallizes in the *P4/mcc* space group (No. 124), with Ta chains aligned along the [001] direction."

Especially, "*P4/mcc*" is italicized except the number "4".

(3) Position of the correction: "Reference" section.

Correction: Two references are inserted as listed below after Ref. [47]

The doi link for Ref. [48] is https://scripts.iucr.org/cgi-bin/paper?S0108768187097805

The doi link for Ref. [49] is https://iopscience.iop.org/article/10.1088/0953-8984/3/36/001

The position to insert the two citations in the main text is specified in the fourth point below.

(4) Position of the correction: the third sentence of the third paragraph in the "Introduction" section.

Correction: "In $TaTe_4$, a (2a × 2b × 3c) CO has been reported by single crystal x-ray and electron diffraction experiments [36–38,48,49], with an onset temperature of $T_{CO} = 450$ K."

(5) Correction: all the original references starting from Ref. [48] raise the numbering by 2, so the original Ref. [48] turns to Ref. [50], all the way up to Ref. [65] changed to Ref. [67].

(6) Position of the correction: "Experimental Methods" section.

Correction: "Single-crystal x-ray diffraction (XRD) was performed using a Bruker D8 Quest diffractometer equipped with a CMOS detector, and an Oxford Cryosystems 700 series temperature controller. A hemisphere of frames was measured using a narrow-frame method with a scan width of 0.5° in φ and ω and an exposure time of 12 s/frame with Mo Kα radiation. The collected data set was integrated using the Bruker Apex3 program, with the intensities corrected for the Lorentz factor, polarization, air absorption, and absorption due to variation in the path length through the detector face plate. The data were scaled, and absorption correction was applied using SADABS [60]. A starting model was obtained using the intrinsic method in SHELXT [61], and atomic sites were refined anisotropically using SHELXL2014/7."

(7) Position of the correction: the second sentence of the "Results and Discussion" section.

Correction: "The subcell crystal structure of non-CO $TaTe_4$ consists of tantalum chains surrounded by tellurium antiprisms [Fig. 1(a)]."

(8) Position of the correction: the fourth sentence of the "Results and Discussion" section.

Correction: "The lattice parameters at T = 100 K in the CO phase identified from single crystal x-ray diffraction are: $a = b = 12.996(3)$ Å and $c = 20.385(5)$ Å (see Table S1 in the Supplemental Material [65])."

(9) Position of the correction: the second sentence of Fig. 1 caption.

Correction: "Side and top views of the subcell crystal structure of $TaTe_4$ in the non-CO phase (*P4/mcc*, No. 124)."

Especially, "*P4/mcc*" is italicized except the number "4".

(10) Position of the correction: the fourth sentence of Fig. 1 caption.

Correction: "(b) Supercell crystal structure of $TaTe_4$ in the CO phase (*P4/ncc*, No. 130) with a twofold screw axis indicated by the magenta cross pointing into the page in the side view and the magenta arrows in the top view."

Especially, "*P4/ncc*" is italicized, except the number "4".

(11) Position of the correction: the "Acknowledgments" section.

Correction: "Synthesis work at UT Dallas is supported by NSF under Grant No. DMR-1921581, AFOSR under Grant No. FA9550-19-1–0037 and ONR under Grant No. N00014-23-1–2020. X-ray structure determination and analysis was supported by Welch Foundation Welch AA-2056–20220101."

(12) Correction: all the "P4/mcc" and "P4/ncc" shall be italicized, except the number "4". Therefore, they are "*P4/mcc*" and "*P4/ncc*", respectively.

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[48] K. D. Bronsema, S. V. Smaalen, J. L. De Boer, G. A. Wiegers, F. Jellinek, and J. Mahy, Acta Crystallogr. **B43**, 305 (1987).
[49] J. C. Bennett, F. W. Boswell, A. Prodan, J. M. Corbett, and S. Ritchie, J. Phys.: Condens. Matter **3**, 6959 (1991).