

Supporting Information

Crystal Growth of Metal Tellurides from a Boron-Tellurium Mixture: $M\text{Tr}_2\text{Te}_4$ ($M = \text{Sr}, \text{Eu}$; $\text{Tr} = \text{In}, \text{Ga}$)

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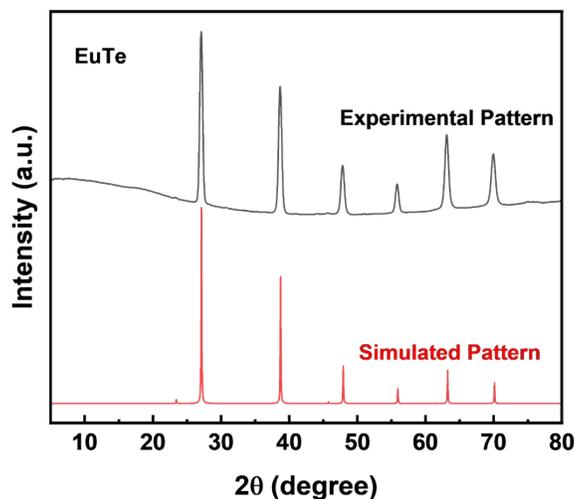


Figure S1. Simulated (red) and experimental (black) PXRD pattern of polycrystalline EuTe.

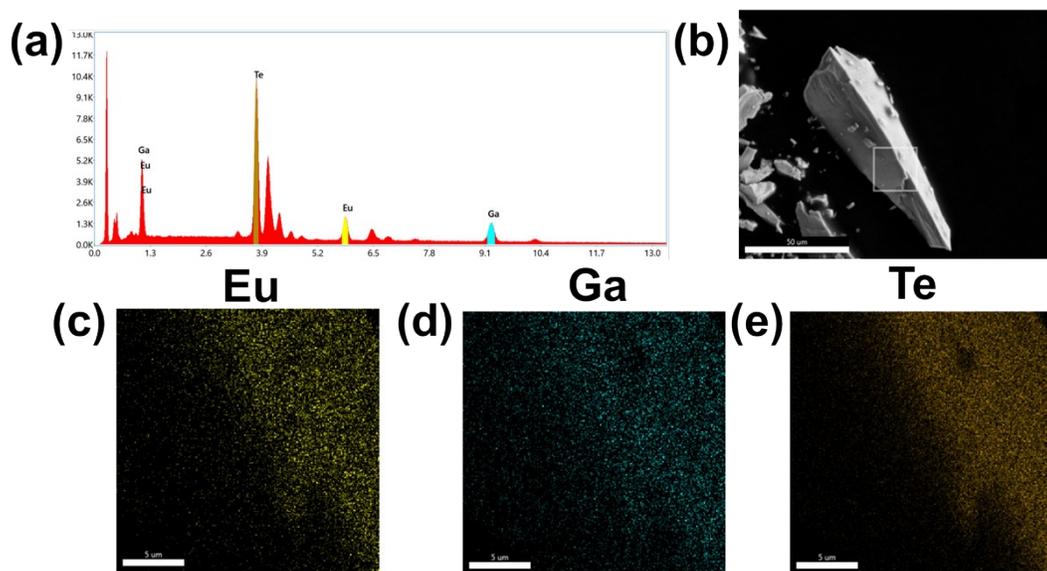


Figure S2. (a) EDX spectrum and (b-e) elemental mapping of a β -EuGa₂Te₄ crystal.

Table S1. EDX composition of selected β -EuGa₂Te₄ crystal.

Element	Weight %	MDL	Atomic%	Error%
Ga	18.97	0.62	30.79	4.77
Te	62.42	0.37	55.36	3.61
Eu	18.61	0.64	13.85	6.32

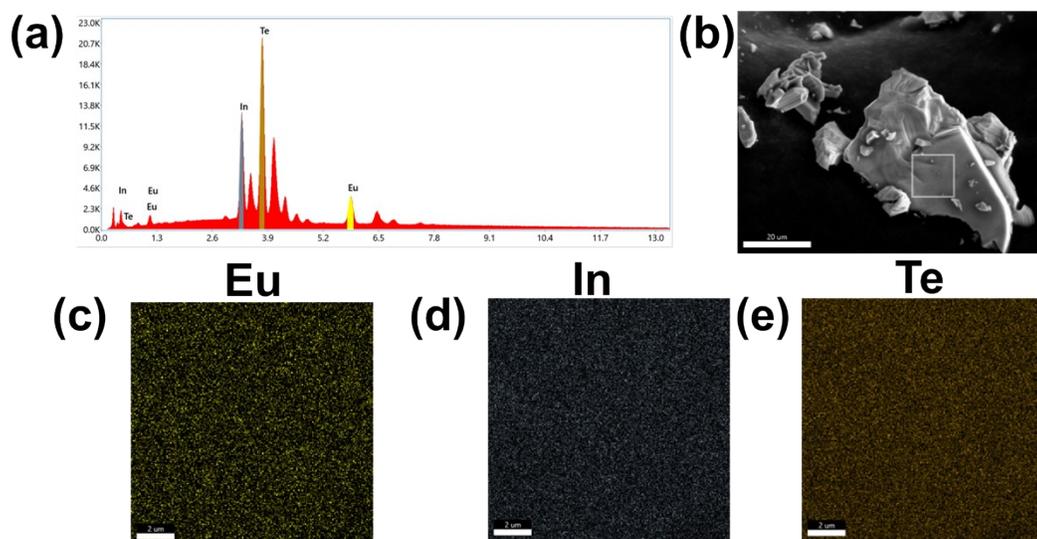


Figure S3. (a) EDX spectrum and (b-e) elemental mapping of a α - EuIn_2Te_4 crystal.

Table S2. EDX composition of selected α - EuIn_2Te_4 crystal.

Element	Weight %	MDL	Atomic%	Error%
In	23.01	0.19	25.66	4.19
Te	58.88	0.24	59.08	4.00
Eu	18.12	0.39	15.26	5.05

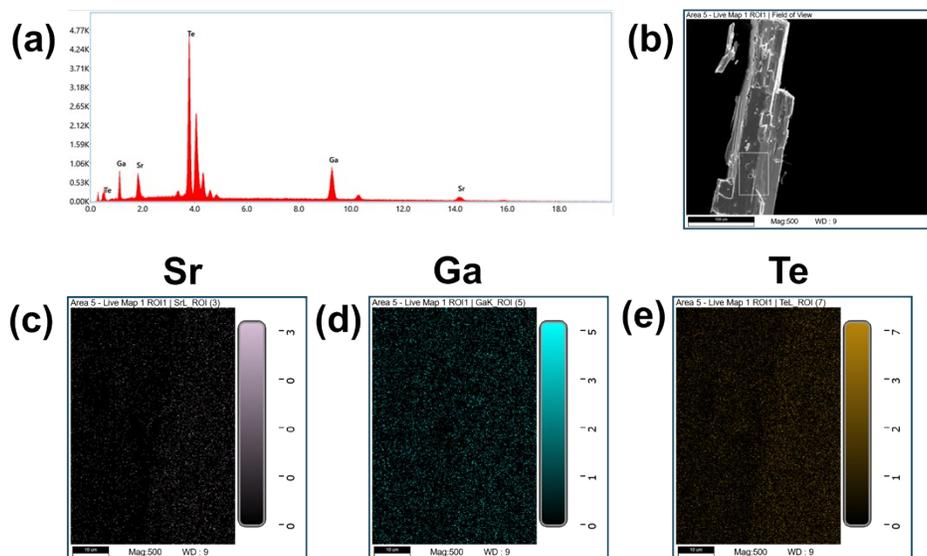


Figure S4. (a) EDX spectrum and (b-e) elemental mapping of a SrGa_2Te_4 crystal.

Table S3. EDX composition of selected SrGa_2Te_4 crystal.

Element	Weight %	MDL	Atomic%	Error%
Ga	19.11	0.48	29.00	4.29
Sr	10.31	0.76	12.46	11.01
Te	70.58	0.52	58.54	4.78

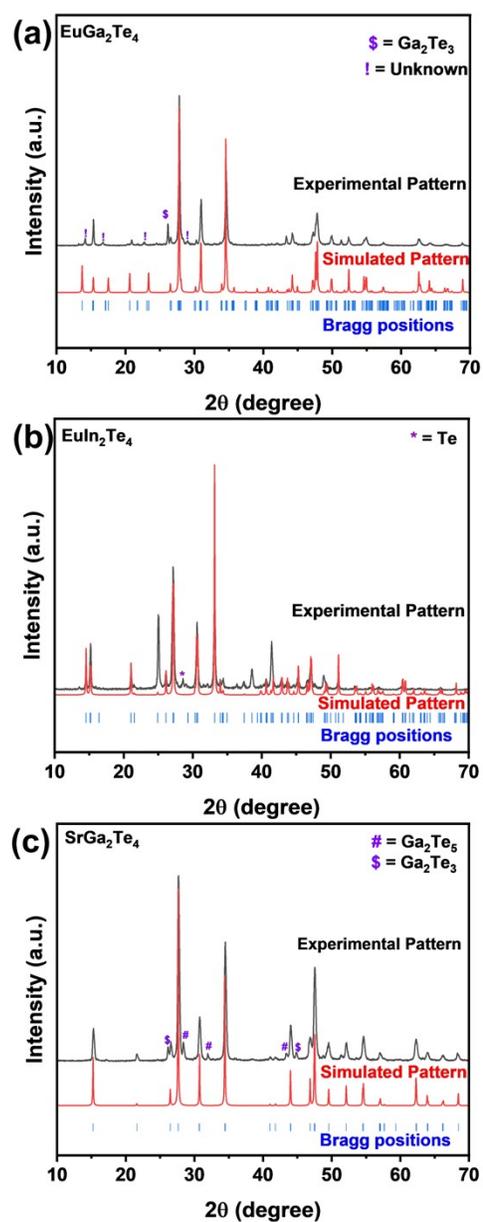


Figure S5. Simulated (red) and experimental (black) powder X-ray diffraction (PXRD) patterns of polycrystalline (a) β -EuGa₂Te₄, (b) α -Euln₂Te₄, and (c) SrGa₂Te₄ samples. Respective Bragg positions are shown in blue colored vertical bars.

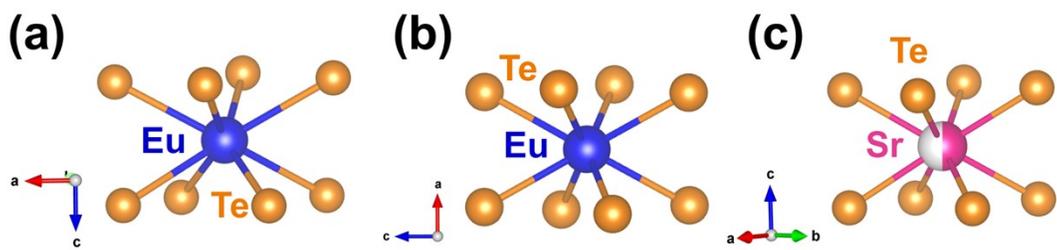


Figure S6. View of A centered polyhedral unit in (a) β -EuGa₂Te₄, (b) α -EuIn₂Te₄, and (c) SrGa₂Te₄ crystal structures.

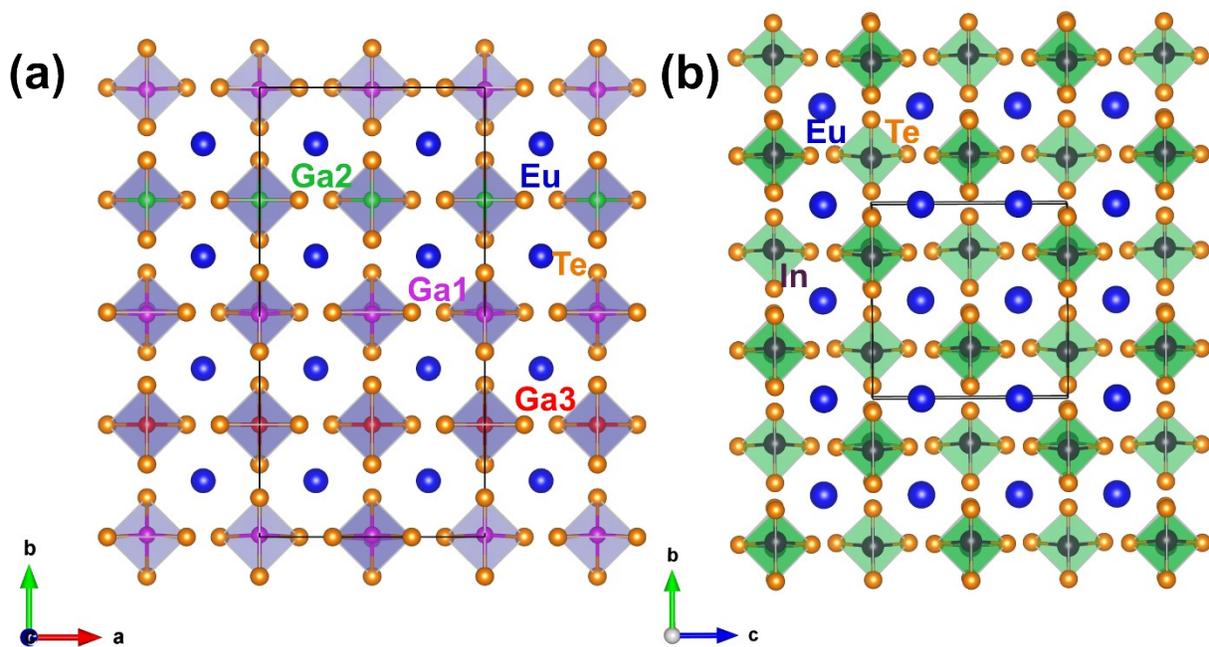


Figure S7. View of the slice of unit cells of (a) β -EuGa₂Te₄ and (b) α -EuIn₂Te₄ approximately along the c-direction and a-direction, respectively.

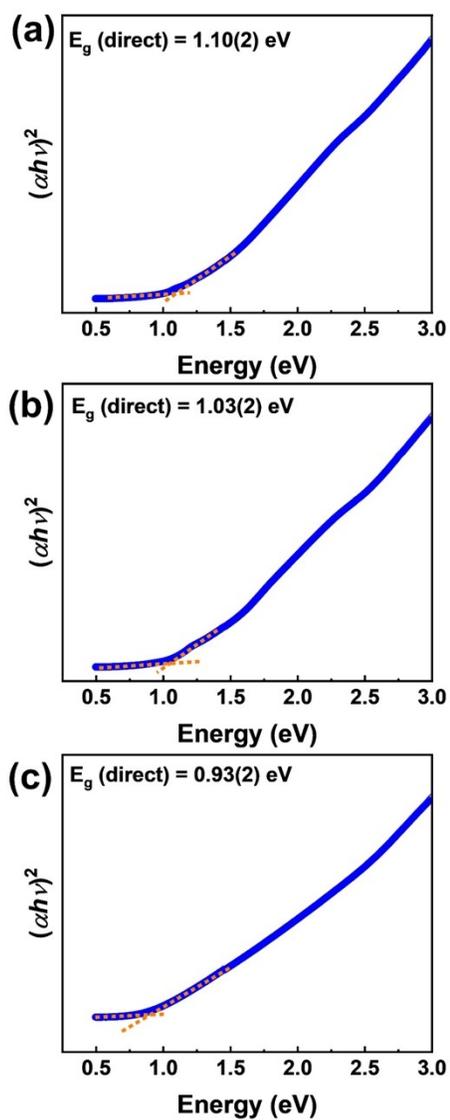


Figure S8. Tauc plots of the direct band transitions for (a) β -EuGa₂Te₄, (b) α -EuIn₂Te₄, and (c) SrGa₂Te₄.

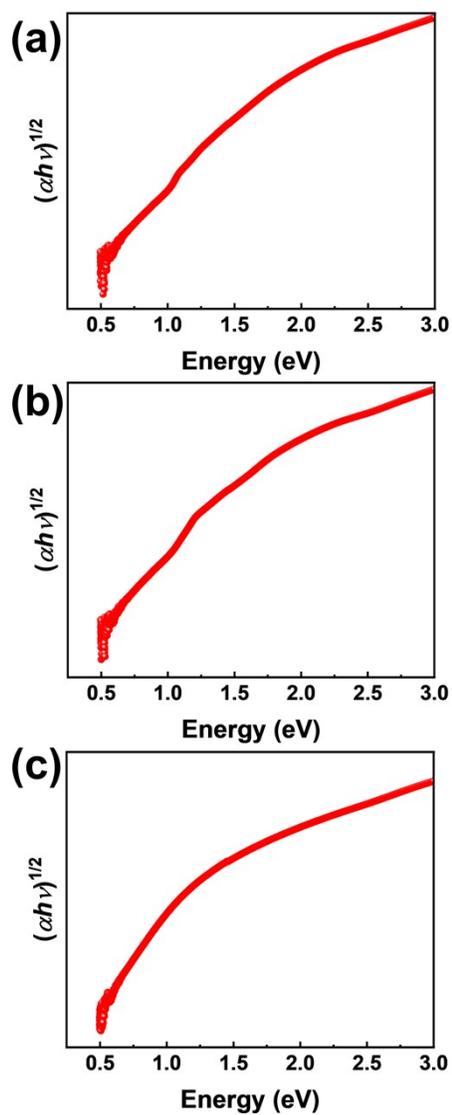


Figure S9. Tauc plots of the indirect optical transitions for (a) β -EuGa₂Te₄, (b) α -EuIn₂Te₄, and (c) SrGa₂Te₄.

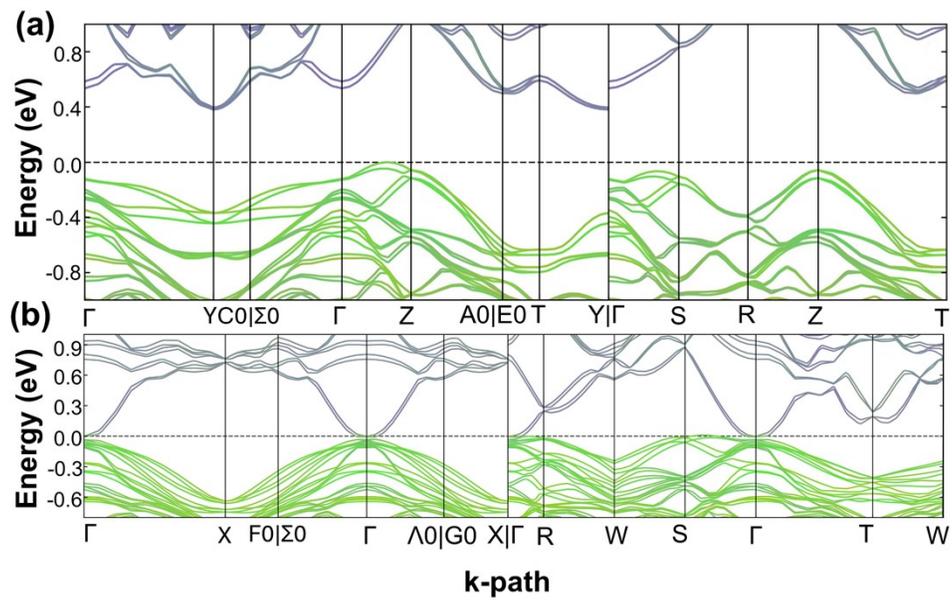


Figure S11. Calculated band structures of $\beta\text{-EuGa}_2\text{Te}_4$ (lower) and $\alpha\text{-EuIn}_2\text{Te}_4$ (upper) near the band edges. The Fermi energy level is labeled at 0 eV by the black dotted lines.

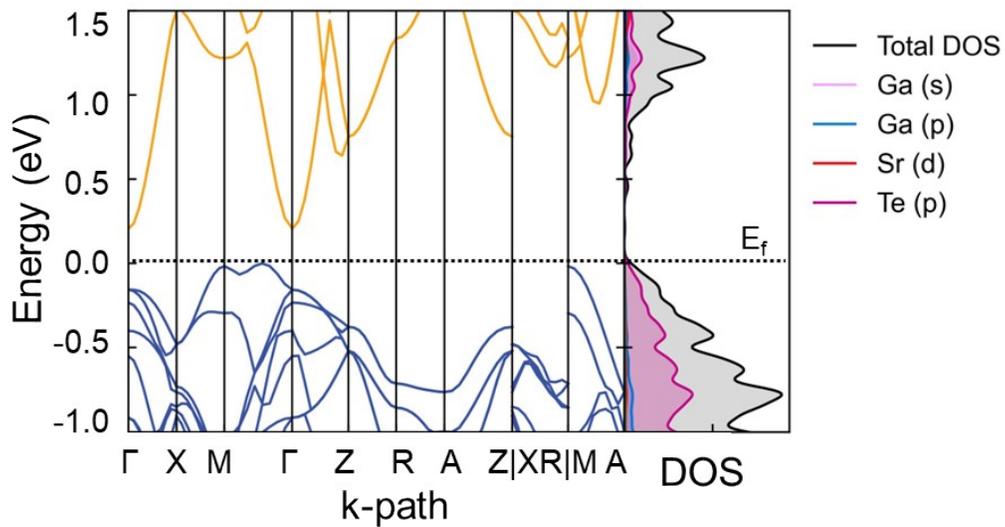


Figure S10. Plot of the calculated band structure (left) and density-of-states (DOS) (right) for SrGa_2Te_4 near the band edges. The Fermi energy level is labeled at 0 eV by the black dotted line. Individual atomic contributions to the DOS are shown as colored lines.

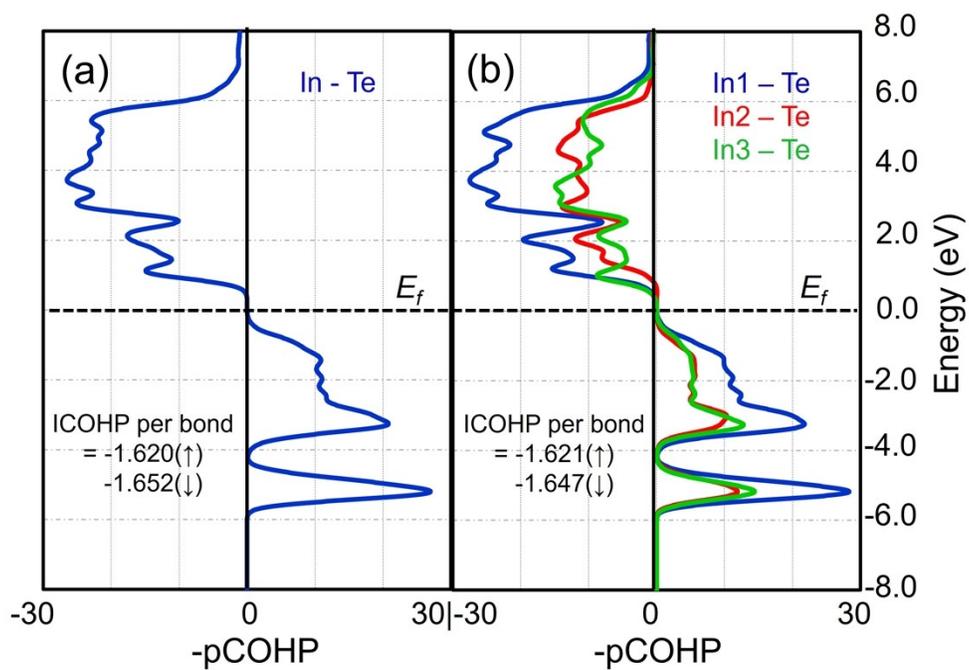


Figure S12. The calculated Crystal Orbital Hamilton Populations (COHP) for the pairwise In-Te interactions in α -EuIn₂Te₄ (a; **2**) and β -EuIn₂Te₄ (b; hypothetical), with the Fermi levels (E_f) given as dashed lines at 0 eV. Positive and negative values indicate bonding and antibonding interactions, respectively.

Table S4: Fractional atomic coordinates, site symmetries, Wyckoff positions, and equivalent isotropic displacement parameters (\AA^2) for β -EuGa₂Te₄ (upper), α -EuIn₂Te₄ (middle), and SrGa₂Te₄ (lower) crystal structures.

Atom	Wyckoff Position	x	y	z	U_{eq}	Occ. (<1)
Eu1	8g	0.250000	0.12520(2)	0.250000	0.01930(12)	
Ga1	8h	0.000000	0.50463(3)	0.25127(8)	0.01405(17)	
Ga2	4e	0.000000	0.250000	0.25243(10)	0.0141(2)	
Ga3	4e	0.000000	0.250000	0.75240(10)	0.0151(2)	
Te1	8i	0.17568(4)	0.250000	0.00271(4)	0.01390(13)	
Te2	8h	0.000000	0.08754(2)	0.01411(4)	0.01369(12)	
Te3	8h	0.000000	0.16203(2)	0.50221(4)	0.01412(13)	
Te4	8f	0.32429(4)	0.000000	0.000000	0.01417(13)	
Eu1	4a	0.000000	0.000000	0.250000	0.02041(15)	
In1	8l	0.49723(9)	0.23416(6)	0.500000	0.01807(14)	
Te1	8l	0.22775(8)	0.06642(5)	0.000000	0.01616(14)	
Te2	8k	0.250000	0.250000	0.31520(5)	0.01724(14)	
Sr1	4a	0.000000	0.000000	0.250000	0.0191(4)	0.5
Ga1	4b	0.000000	0.500000	0.250000	0.0177(3)	
Te1	8h	0.17407(3)	0.67407(3)	0.000000	0.0151(2)	

Table S5. Atomic displacement parameters (\AA^2) for β -EuGa₂Te₄.

	U^{11}	U^{22}	U^{33}	U^{12}	U^{13}	U^{23}
Eu1	0.01633(17)	0.01574(17)	0.02581(19)	0.000	-0.00075(9)	0.000
Ga1	0.0167(4)	0.0148(3)	0.0106(3)	0.000	0.000	0.00076(16)
Ga2	0.0164(5)	0.0153(4)	0.0105(4)	0.000	0.000	0.000

Ga3	0.0179(5)	0.0171(4)	0.0104(4)	0.000	0.000	0.000
Te1	0.0128(3)	0.0158(2)	0.0131(2)	0.000	-0.00028(9)	0.000
Te2	0.0155(3)	0.0123(2)	0.01328(19)	0.000	0.000	-0.00106(11)
Te3	0.0164(3)	0.0120(2)	0.0140(2)	0.000	0.000	-0.00046(9)
Te4	0.0125(3)	0.0164(2)	0.0136(2)	0.000	0.000	-0.00284(10)

Table S6. Atomic displacement parameters (\AA^2) for $\alpha\text{-EuIn}_2\text{Te}_4$.

	U^{11}	U^{22}	U^{33}	U^{12}	U^{13}	U^{23}
Eu1	0.0270(3)	0.0185(3)	0.0157(3)	0.000	0.000	0.000
In1	0.0128(2)	0.0212(3)	0.0202(3)	0.0017(2)	0.000	0.000
Te1	0.0166(2)	0.0143(3)	0.0175(3)	-0.00181(19)	0.000	0.000
Te2	0.0172(2)	0.0207(3)	0.0139(3)	-0.00357(18)	0.000	0.000

Table S7. Atomic displacement parameters (\AA^2) for SrGa_2Te_4 .

	U^{11}	U^{22}	U^{33}	U^{12}	U^{13}	U^{23}
Sr1	0.0155(6)	0.0155(6)	0.0262(9)	0.000	0.000	0.000
Ga1	0.0210(4)	0.0210(4)	0.0112(5)	0.000	0.000	0.000
Te1	0.0142(2)	0.0142(2)	0.0169(3)	-0.00166(17)	0.000	0.000

Table S8. Geometric parameters (Å, °) for β -EuGa₂Te₄.

Eu1—Te1	3.4339 (3)	Ga1—Te4 ^{vi}	2.6325 (5)
Eu1—Te1 ⁱ	3.4339 (3)	Ga1—Te4 ⁱ	2.6325 (5)
Eu1—Te2	3.4086 (2)	Ga2—Te1 ^v	2.6341 (6)
Eu1—Te2 ⁱⁱ	3.4086 (2)	Ga2—Te1	2.6342 (6)
Eu1—Te3	3.4562 (2)	Ga2—Te3 ^v	2.6337 (5)
Eu1—Te3 ⁱⁱ	3.4562 (2)	Ga2—Te3	2.6337 (5)
Eu1—Te4 ⁱⁱⁱ	3.4503 (3)	Ga3—Te1 ^{vii}	2.6367 (6)
Eu1—Te4	3.4503 (3)	Ga3—Te1 ^{viii}	2.6367 (6)
Ga1—Te2 ^{iv}	2.6151 (7)	Ga3—Te3	2.6355 (6)
Ga1—Te2 ^v	2.6575 (7)	Ga3—Te3 ^v	2.6355 (6)
Te1—Eu1—Te1 ⁱ	66.009 (10)	Te3 ^v —Ga2—Te1	113.944 (6)
Te1—Eu1—Te3	79.734 (9)	Te3—Ga2—Te1	113.944 (5)
Te1 ⁱ —Eu1—Te3	76.454 (10)	Te3 ^v —Ga2—Te1 ^v	113.945 (5)
Te1—Eu1—Te3 ⁱⁱ	76.453 (10)	Te3—Ga2—Te1 ^v	113.944 (5)
Te1 ⁱ —Eu1—Te3 ⁱⁱ	79.733 (9)	Te3 ^v —Ga2—Te3	100.83 (3)
Te1—Eu1—Te4 ⁱⁱⁱ	151.098 (10)	Te1 ^{vii} —Ga3—Te1 ^{viii}	100.74 (3)
Te1 ⁱ —Eu1—Te4 ⁱⁱⁱ	121.932 (5)	Te3—Ga3—Te1 ^{viii}	114.005 (6)
Te1 ⁱ —Eu1—Te4	151.097 (10)	Te3 ^v —Ga3—Te1 ^{vii}	114.006 (6)
Te1—Eu1—Te4	121.932 (5)	Te3—Ga3—Te1 ^{vii}	114.005 (6)
Te2 ⁱⁱ —Eu1—Te1	130.610 (10)	Te3 ^v —Ga3—Te1 ^{viii}	114.006 (6)
Te2 ⁱⁱ —Eu1—Te1 ⁱ	77.097 (9)	Te3 ^v —Ga3—Te3	100.74 (3)
Te2—Eu1—Te1	77.097 (9)	Eu1—Te1—Eu1 ⁱ	113.992 (10)
Te2—Eu1—Te1 ⁱ	130.610 (10)	Ga2—Te1—Eu1 ⁱ	83.380 (8)
Te2—Eu1—Te2 ⁱⁱ	150.459 (15)	Ga2—Te1—Eu1	83.380 (8)

Te2—Eu1—Te3	65.276 (7)	Ga2—Te1—Ga3 ^x	79.19 (2)
Te2 ⁱⁱ —Eu1—Te3 ⁱⁱ	65.277 (7)	Ga3 ^{ix} —Te1—Eu1 ⁱ	120.086 (8)
Te2 ⁱⁱ —Eu1—Te3	122.932 (6)	Ga3 ^{ix} —Te1—Eu1	120.086 (8)
Te2—Eu1—Te3 ⁱⁱ	122.932 (6)	Eu1 ^x —Te2—Eu1	115.952 (10)
Te2—Eu1—Te4	76.773 (10)	Ga1 ^v —Te2—Eu1	85.713 (10)
Te2 ⁱⁱ —Eu1—Te4 ⁱⁱⁱ	76.773 (10)	Ga1 ^{xi} —Te2—Eu1	120.233 (7)
Te2 ⁱⁱ —Eu1—Te4	78.573 (9)	Ga1 ^{xi} —Te2—Eu1 ^x	120.233 (7)
Te2—Eu1—Te4 ⁱⁱⁱ	78.573 (9)	Ga1 ^v —Te2—Eu1 ^x	85.712 (10)
Te3—Eu1—Te3 ⁱⁱ	151.528 (15)	Ga1 ^{xi} —Te2—Ga1 ^v	79.83 (2)
Te4—Eu1—Te3 ⁱⁱ	76.062 (9)	Eu1—Te3—Eu1 ^x	113.472 (9)
Te4—Eu1—Te3	130.745 (10)	Ga2—Te3—Eu1	82.942 (9)
Te4 ⁱⁱⁱ —Eu1—Te3 ⁱⁱ	130.745 (10)	Ga2—Te3—Eu1 ^x	82.942 (9)
Te4 ⁱⁱⁱ —Eu1—Te3	76.061 (9)	Ga2—Te3—Ga3	79.21 (2)
Te4 ⁱⁱⁱ —Eu1—Te4	66.289 (8)	Ga3—Te3—Eu1	120.139 (8)
Te2 ^{iv} —Ga1—Te2 ^v	100.17 (2)	Ga3—Te3—Eu1 ^x	120.140 (8)
Te2 ^{iv} —Ga1—Te4 ^{vi}	117.551 (16)	Eu1 ^{xii} —Te4—Eu1	151.176 (14)
Te2 ^{iv} —Ga1—Te4 ⁱ	117.551 (16)	Ga1 ⁱ —Te4—Eu1 ^{xii}	117.845 (15)
Te4 ^{vi} —Ga1—Te2 ^v	110.373 (17)	Ga1 ⁱ —Te4—Eu1	85.240 (13)
Te4 ⁱ —Ga1—Te2 ^v	110.373 (17)	Ga1 ^{xiii} —Te4—Eu1	117.844 (15)
Te4 ⁱ —Ga1—Te4 ^{vi}	100.99 (2)	Ga1 ^{xiii} —Te4—Eu1 ^{xii}	85.240 (13)
Te1 ^v —Ga2—Te1	100.87 (3)	Ga1 ⁱ —Te4—Ga1 ^{xiii}	79.01 (2)

Symmetry codes: (i) $-x+1/2, -y+1/2, -z+1/2$; (ii) $x+1/2, y, -z+1/2$; (iii) $-x+1/2, -y, z+1/2$; (iv) $x, y+1/2, -z$; (v) $-x, -y+1/2, z$; (vi) $x-1/2, y+1/2, z+1/2$; (vii) $x, y, z+1$; (viii) $-x, -y+1/2, z+1$; (ix) $x, y, z-1$; (x) $x-1/2, y, -z+1/2$; (xi) $x, y-1/2, -z$; (xii) $-x+1/2, -y, z-1/2$; (xiii) $x+1/2, y-1/2, z-1/2$.

Table S9. Geometric parameters (Å, °) for α -EuIn₂Te₄.

Eu1—Te1	3.4325 (4)	Eu1—Te2 ^{iv}	3.4960 (2)
Eu1—Te1 ⁱ	3.4325 (4)	Eu1—Te2 ^v	3.4960 (2)
Eu1—Te1 ⁱⁱ	3.4325 (4)	In1—Te1 ^{vi}	2.7679 (9)
Eu1—Te1 ⁱⁱⁱ	3.4325 (4)	In1—Te1 ^{vii}	2.8441 (9)
Eu1—Te2	3.4960 (2)	In1—Te2	2.7958 (6)
Eu1—Te2 ⁱⁱⁱ	3.4960 (2)	In1—Te2 ^{viii}	2.7958 (7)
Te1—Eu1—Te1 ⁱⁱ	63.263 (17)	Te2—Eu1—Te2 ^v	154.81 (2)
Te1 ⁱⁱ —Eu1—Te1 ⁱⁱⁱ	123.450 (18)	Te2 ^v —Eu1—Te2 ⁱⁱⁱ	118.602 (6)
Te1—Eu1—Te1 ⁱⁱⁱ	153.99 (2)	Te2 ^v —Eu1—Te2 ^{iv}	67.439 (8)
Te1—Eu1—Te1 ⁱ	123.450 (18)	Te2—Eu1—Te2 ⁱⁱⁱ	67.439 (8)
Te1 ⁱⁱ —Eu1—Te1 ⁱ	153.98 (2)	Te2 ^{iv} —Eu1—Te2 ⁱⁱⁱ	154.81 (2)
Te1 ⁱ —Eu1—Te1 ⁱⁱⁱ	63.263 (17)	Te1 ^{vi} —In1—Te1 ^{vii}	99.46 (3)
Te1 ⁱ —Eu1—Te2 ^v	82.472 (12)	Te1 ^{vi} —In1—Te2 ^{viii}	119.622 (18)
Te1 ⁱⁱⁱ —Eu1—Te2 ⁱⁱⁱ	75.912 (15)	Te1 ^{vi} —In1—Te2	119.622 (19)
Te1—Eu1—Te2 ⁱⁱⁱ	82.472 (12)	Te2 ^{viii} —In1—Te1 ^{vii}	108.15 (2)
Te1—Eu1—Te2 ^{iv}	76.098 (16)	Te2—In1—Te1 ^{vii}	108.15 (2)
Te1 ⁱⁱ —Eu1—Te2 ^v	75.912 (15)	Te2 ^{viii} —In1—Te2	101.20 (3)
Te1 ⁱ —Eu1—Te2 ^{iv}	75.912 (15)	Eu1 ⁱⁱ —Te1—Eu1	116.737 (17)
Te1 ⁱⁱⁱ —Eu1—Te2 ^v	76.098 (16)	In1 ^{vi} —Te1—Eu1 ⁱⁱ	119.648 (10)
Te1—Eu1—Te2	75.912 (15)	In1 ^{ix} —Te1—Eu1	84.805 (14)
Te1 ⁱⁱ —Eu1—Te2 ^{iv}	82.472 (12)	In1 ^{ix} —Te1—Eu1 ⁱⁱ	84.805 (14)
Te1 ⁱⁱ —Eu1—Te2	127.929 (11)	In1 ^{vi} —Te1—Eu1	119.648 (10)
Te1 ⁱⁱⁱ —Eu1—Te2 ^{iv}	127.929 (11)	In1 ^{vi} —Te1—In1 ^{ix}	80.54 (3)
Te1 ⁱ —Eu1—Te2	76.099 (16)	Eu1—Te2—Eu1 ^x	154.81 (2)
Te1 ⁱ —Eu1—Te2 ⁱⁱⁱ	127.929 (11)	In1—Te2—Eu1	115.845 (17)

Te1 ⁱⁱⁱ —Eu1—Te2	82.472 (12)	In1—Te2—Eu1 ^x	84.318 (15)
Te1—Eu1—Te2 ^v	127.929 (11)	In1 ^{viii} —Te2—Eu1 ^x	115.846 (17)
Te1 ⁱⁱ —Eu1—Te2 ⁱⁱⁱ	76.098 (16)	In1 ^{viii} —Te2—Eu1	84.318 (15)
Te2—Eu1—Te2 ^{iv}	118.602 (6)	In1—Te2—In1 ^{viii}	78.80 (3)

Symmetry codes: (i) $x, -y, z+1/2$; (ii) $-x, -y, -z$; (iii) $-x, y, -z+1/2$; (iv) $-x+1/2, y-1/2, -z+1/2$; (v) $x-1/2, y-1/2, z$; (vi) $-x+1, y, -z+1/2$; (vii) $x+1/2, -y+1/2, z+1/2$; (viii) $-x+1/2, -y+1/2, -z+1$; (ix) $x-1/2, -y+1/2, z-1/2$; (x) $x+1/2, y+1/2, z$.

Table S10. Geometric parameters (Å, °) for SrGa₂Te₄.

Sr1—Sr1 ⁱ	3.3635 (2)	Sr1—Te1 ^{viii}	3.4715 (2)
Sr1—Sr1 ⁱⁱ	3.3635 (3)	Sr1—Te1 ^{ix}	3.4715 (2)
Sr1—Te1 ⁱⁱⁱ	3.4715 (2)	Sr1—Te1 ^x	3.4715 (2)
Sr1—Te1 ^{iv}	3.4715 (2)	Ga1—Te1 ^x	2.6309 (3)
Sr1—Te1 ^v	3.4715 (2)	Ga1—Te1 ^v	2.6309 (3)
Sr1—Te1 ^{vi}	3.4715 (2)	Ga1—Te1	2.6309 (3)
Sr1—Te1 ^{vii}	3.4715 (2)	Ga1—Te1 ^{xi}	2.6309 (3)
Sr1 ⁱ —Sr1—Sr1 ⁱⁱ	180.0	Te1 ^{iv} —Sr1—Te1 ^{vii}	131.325 (12)
Sr1 ⁱⁱ —Sr1—Te1 ^v	118.976 (2)	Te1 ^{ix} —Sr1—Te1 ^{iv}	78.991 (11)
Sr1 ⁱ —Sr1—Te1 ^{vii}	118.976 (2)	Te1 ^{viii} —Sr1—Te1 ^{ix}	131.325 (12)
Sr1 ⁱ —Sr1—Te1 ^{vi}	118.976 (2)	Te1 ^v —Sr1—Te1 ^{iv}	76.427 (2)
Sr1 ⁱⁱ —Sr1—Te1 ^x	61.024 (2)	Te1 ^{viii} —Sr1—Te1 ⁱⁱⁱ	76.427 (2)
Sr1 ⁱⁱ —Sr1—Te1 ^{vi}	61.024 (2)	Te1 ^x —Sr1—Te1 ^{iv}	150.542 (13)
Sr1 ⁱ —Sr1—Te1 ⁱⁱⁱ	61.024 (2)	Te1 ^v —Sr1—Te1 ⁱⁱⁱ	122.048 (5)
Sr1 ⁱ —Sr1—Te1 ^{viii}	61.024 (2)	Te1 ^{vi} —Sr1—Te1 ^v	131.325 (12)
Sr1 ⁱ —Sr1—Te1 ^x	118.976 (2)	Te1 ^{iv} —Sr1—Te1 ⁱⁱⁱ	76.427 (2)
Sr1 ⁱⁱ —Sr1—Te1 ^{viii}	118.976 (2)	Te1 ^{viii} —Sr1—Te1 ^v	76.427 (2)
Sr1 ⁱⁱ —Sr1—Te1 ^{iv}	118.976 (2)	Te1 ^{vi} —Sr1—Te1 ^{vii}	76.427 (2)

Sr1 ⁱ —Sr1—Te1 ^{ix}	118.976 (2)	Te1 ^{ix} —Sr1—Te1 ^{vii}	122.048 (5)
Sr1 ⁱⁱ —Sr1—Te1 ^{vii}	61.024 (2)	Te1 ^x —Ga1—Te1 ^{xi}	100.532 (13)
Sr1 ⁱⁱ —Sr1—Te1 ^{ix}	61.024 (2)	Te1 ^{xi} —Ga1—Te1	114.117 (7)
Sr1 ⁱⁱ —Sr1—Te1 ⁱⁱⁱ	118.976 (2)	Te1 ^x —Ga1—Te1	114.117 (7)
Sr1 ⁱ —Sr1—Te1 ^v	61.024 (2)	Te1 ^x —Ga1—Te1 ^v	114.117 (7)
Sr1 ⁱ —Sr1—Te1 ^{iv}	61.024 (2)	Te1 ^{xi} —Ga1—Te1 ^v	114.117 (7)
Te1 ^{vi} —Sr1—Te1 ^x	122.048 (5)	Te1 ^v —Ga1—Te1	100.532 (13)
Te1 ^x —Sr1—Te1 ^{vii}	76.427 (2)	Sr1 ^{xii} —Te1—Sr1 ^{vii}	57.952 (5)
Te1 ^x —Sr1—Te1 ⁱⁱⁱ	131.325 (12)	Sr1 ^v —Te1—Sr1 ^{vii}	150.543 (13)
Te1 ^{viii} —Sr1—Te1 ^x	66.338 (7)	Sr1 ^{xii} —Te1—Sr1 ^{xiii}	150.543 (13)
Te1 ^{vi} —Sr1—Te1 ⁱⁱⁱ	78.991 (11)	Sr1 ^v —Te1—Sr1 ^{xii}	113.662 (6)
Te1 ^{ix} —Sr1—Te1 ^x	76.427 (2)	Sr1 ^v —Te1—Sr1 ^{xiii}	57.952 (5)
Te1 ^{viii} —Sr1—Te1 ^{vii}	78.991 (11)	Sr1 ^{xiii} —Te1—Sr1 ^{vii}	113.662 (7)
Te1 ^v —Sr1—Te1 ^x	78.991 (11)	Ga1 ^v —Te1—Sr1 ^{xiii}	120.344 (7)
Te1 ^{ix} —Sr1—Te1 ^v	66.338 (6)	Ga1 ^v —Te1—Sr1 ^{vii}	120.344 (7)
Te1 ^{vii} —Sr1—Te1 ⁱⁱⁱ	66.338 (6)	Ga1—Te1—Sr1 ^{xiii}	83.445 (4)
Te1 ^{ix} —Sr1—Te1 ⁱⁱⁱ	150.542 (13)	Ga1—Te1—Sr1 ^{xii}	120.344 (7)
Te1 ^{vi} —Sr1—Te1 ^{ix}	76.427 (2)	Ga1 ^v —Te1—Sr1 ^v	83.445 (4)
Te1 ^{vi} —Sr1—Te1 ^{viii}	150.542 (13)	Ga1—Te1—Sr1 ^v	120.344 (7)
Te1 ^{vi} —Sr1—Te1 ^{iv}	66.338 (7)	Ga1—Te1—Sr1 ^{vii}	83.445 (4)
Te1 ^v —Sr1—Te1 ^{vii}	150.542 (13)	Ga1 ^v —Te1—Sr1 ^{xii}	83.445 (4)
Te1 ^{viii} —Sr1—Te1 ^{iv}	122.048 (5)	Ga1—Te1—Ga1 ^v	79.467 (13)

Symmetry codes: (i) -x, -y, -z+1; (ii) -x, -y, -z; (iii) x, y-1, z; (iv) y-1, -x, -z+1; (v) -x, -y+1, -z+1; (vi) -y+1/2, x-1/2, z-1/2; (vii) -x+1/2, -y+1/2, -z+1/2; (viii) -y+1, x, z; (ix) x-1/2, y-1/2, z-1/2; (x) y-1/2, -x+1/2, -z+1/2; (xi) -y+1/2, x+1/2, z-1/2; (xii) x+1/2, y+1/2, z+1/2; (xiii) x, y+1, z.