

SUPPLEMENTARY DATA:

Realization of predicted exotic materials: The burden of proof

Supplementary S1: Methods

Supplementary section S3: Spontaneous formation of Bi vacancy in Ba_4Bi_3 resulting in the splitting of the Dirac cone in Ba_4Bi_3

Figure S2.

Supplementary section S4: Energy stabilization by various magnetic arrangements in CuBi₂O₄

Table S1

Supplementary section S5: n-type doping destroying excited state band inversion in BaBiO₃

Figure S3.

References

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