Article

Supplementary Material : Exploring the Structural and Electronic Diversity of Layered Mg-Mn-Te Ternary Compounds: A Density Functional Theory Study

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Abstract: We present the spin resolved band structure plots for all three $MgMnTe_2$, Mg_3MnTe_4, and $MgMn_3Te4$ compounds under study using the PBE, mBJ and r^2SCAN functionals.

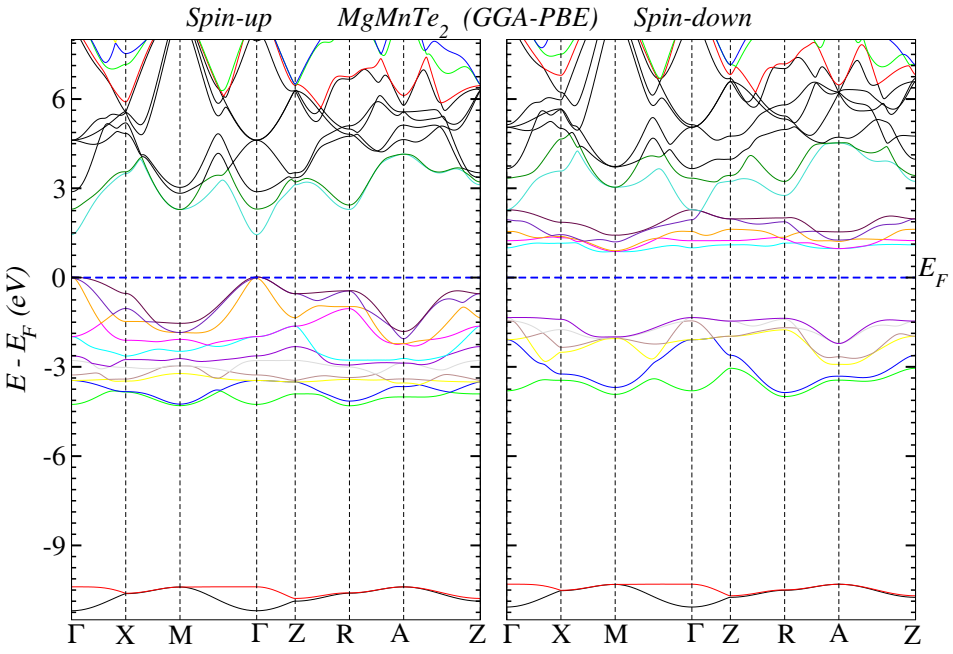


Figure S1. Spin-resolved band structure for $MgMnTe_2$ using the PBE functional.

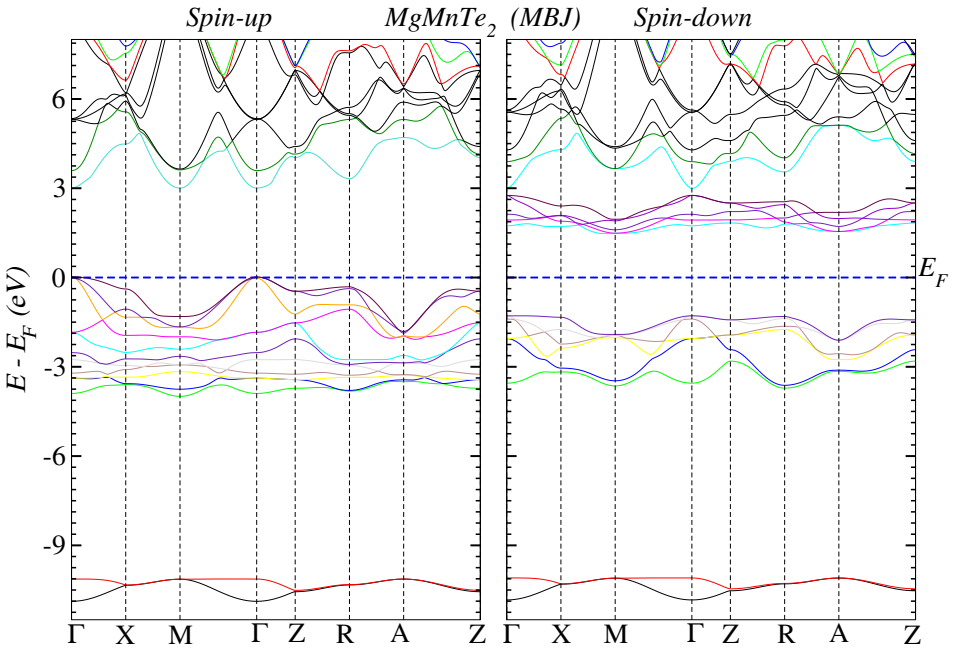


Figure S2. Spin-resolved band structure for $MgMnTe_2$ using the mBJ functional.

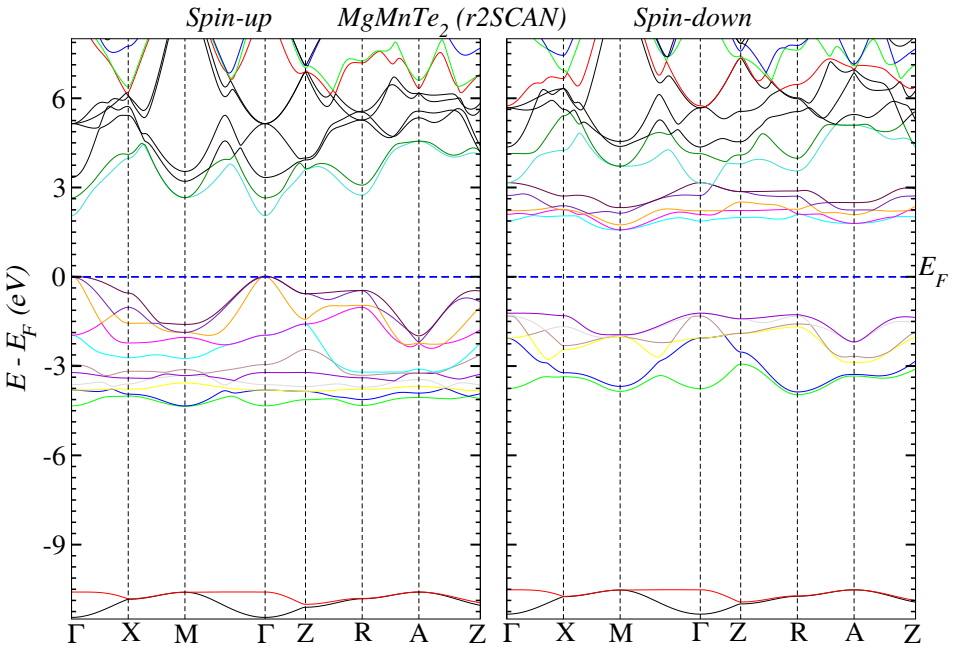


Figure S3. Spin-resolved band structure for $MgMnTe_2$ using the r^{2}SCAN functional.

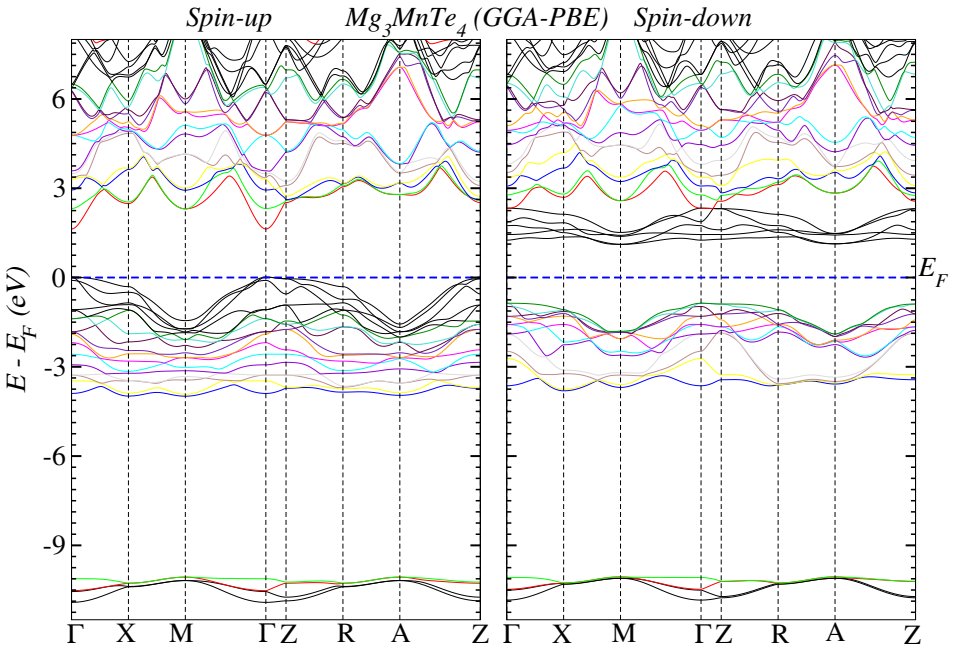


Figure S4. Spin-resolved band structure for Mg_3MnTe_4 using the PBE functional.

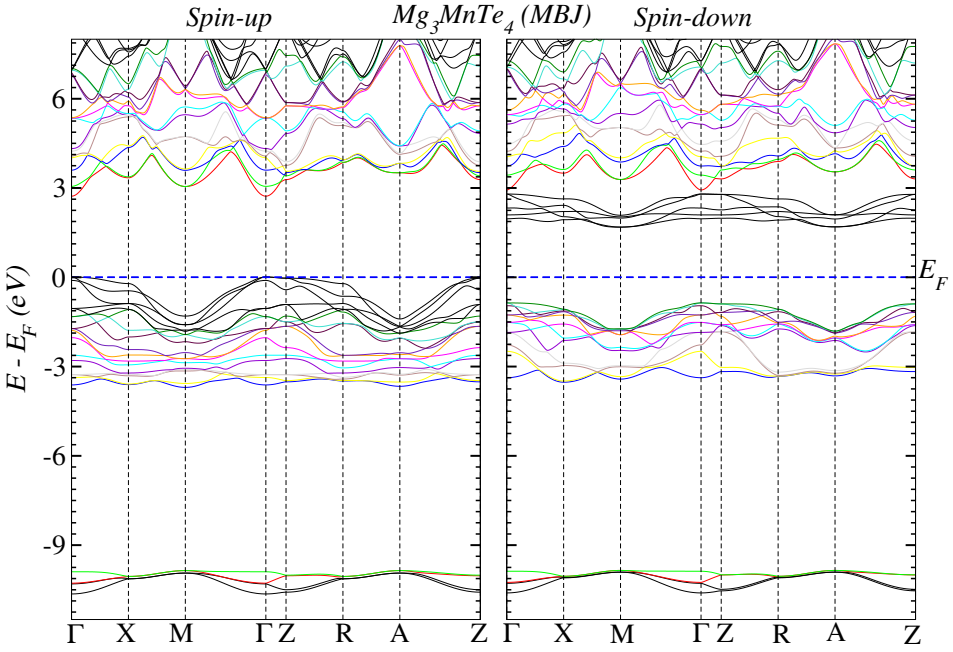


Figure S5. Spin-resolved band structure for Mg_3MnTe_4 using the mBJ functional.

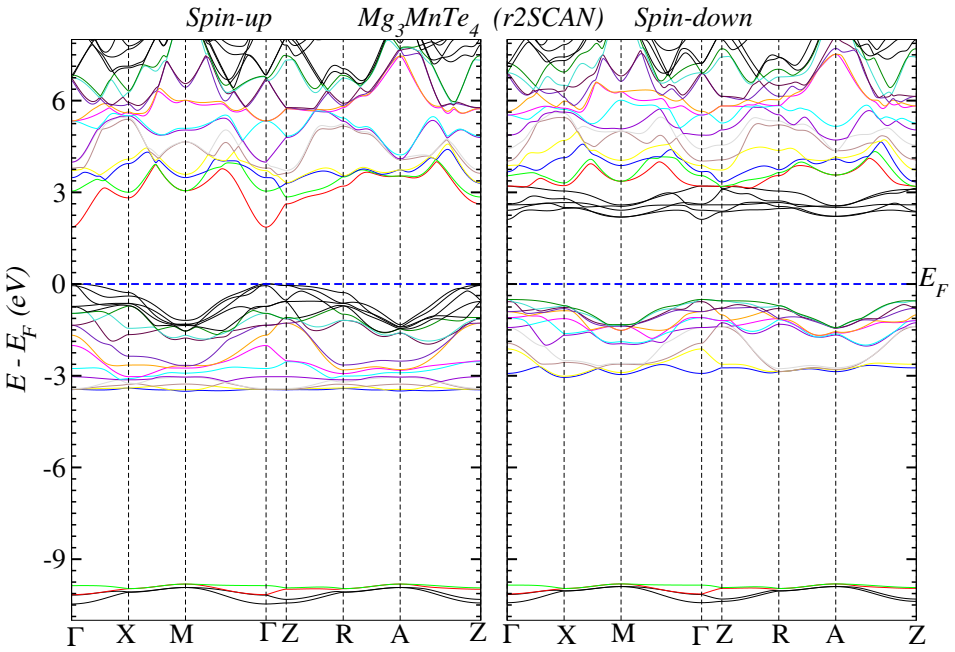


Figure S6. Spin-resolved band structure for Mg_3MnTe_4 using the r^{2}SCAN functional.

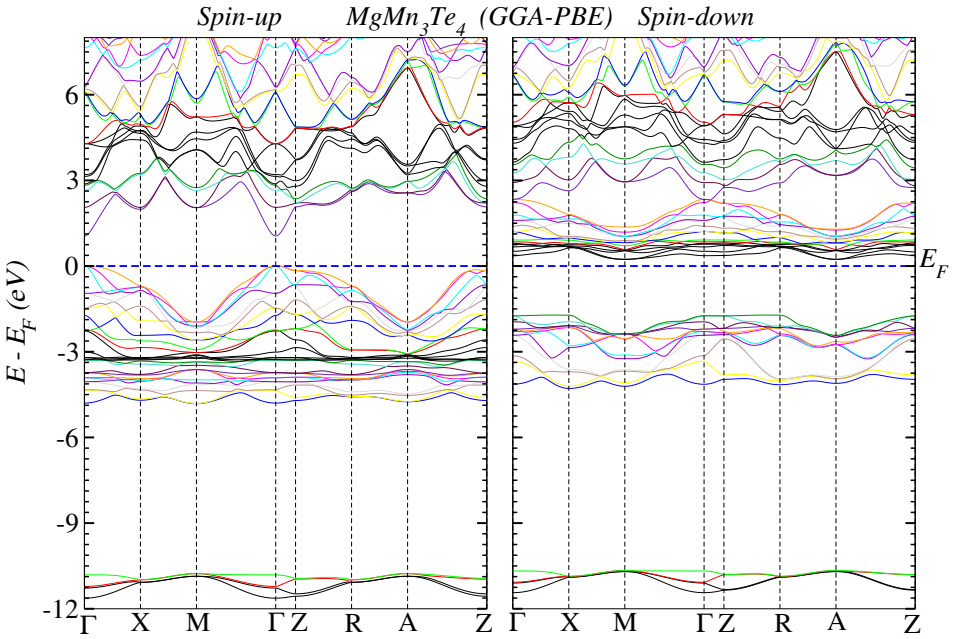


Figure S7. Spin-resolved band structure for $MgMn_3Te_4$ using the PBE functional.

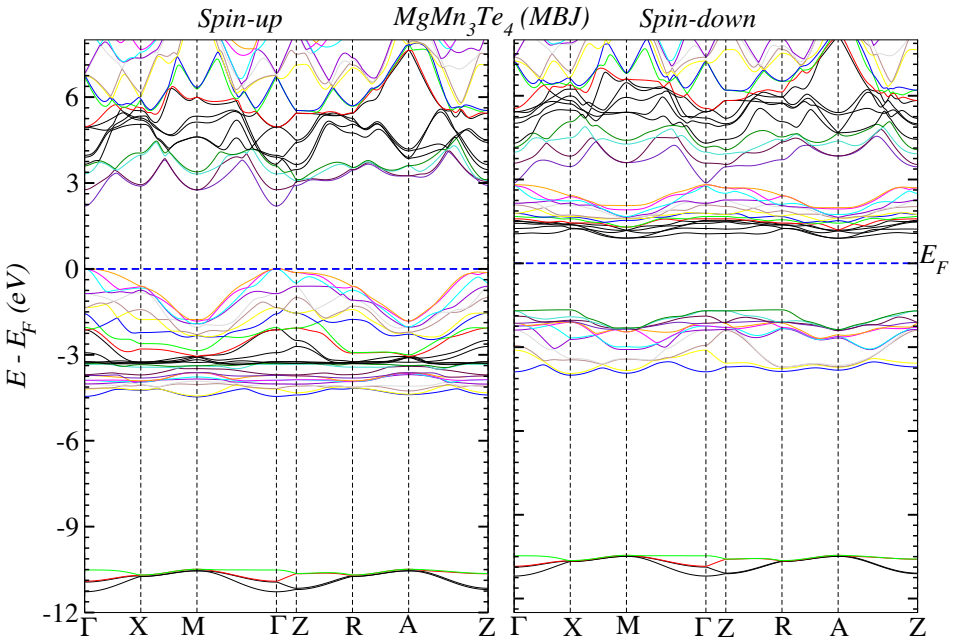


Figure S8. Spin-resolved band structure for $MgMn_3Te_4$ using the mBJ functional.

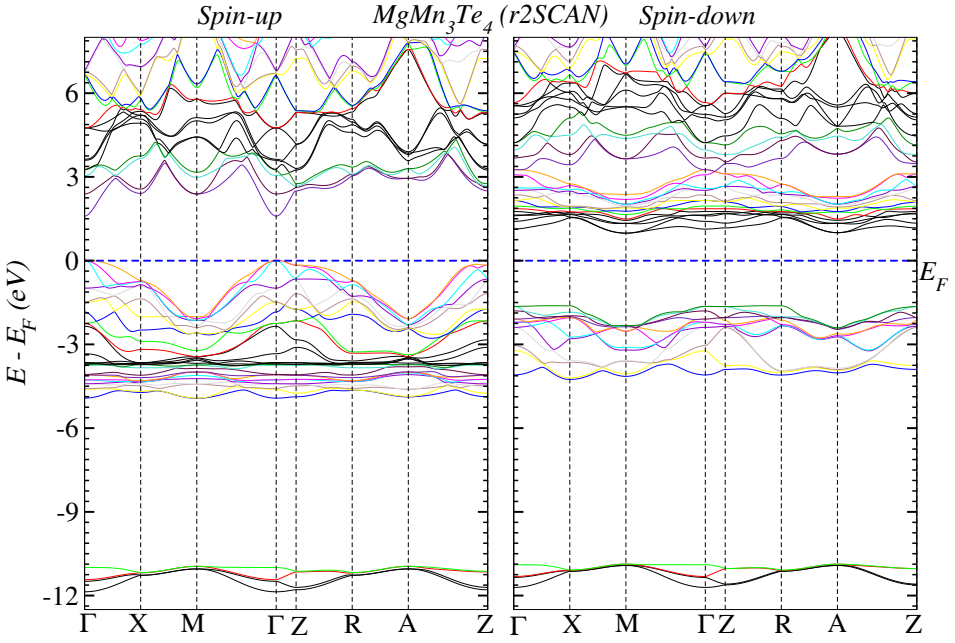


Figure S9. Spin-resolved band structure for $MgMn_3Te_4$ using the r^{2}SCAN functional.