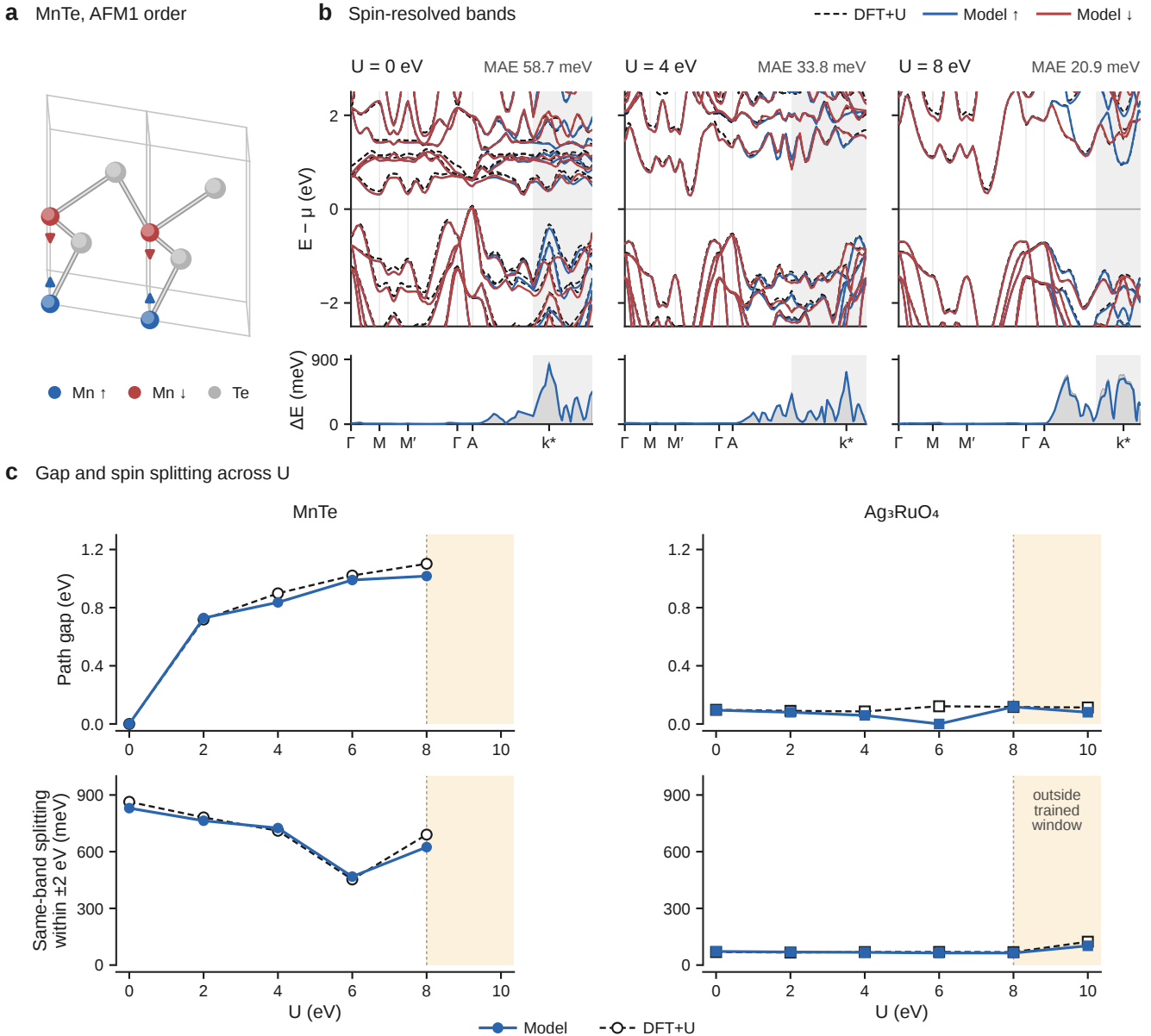

a MnTe, AFM1 order
Mn ↑
Mn ↓
Te
b Spin-resolved bands
DFT+U
Model ↑
Model ↓
U = 0 eV
MAE 58.7 meV
U = 4 eV
MAE 33.8 meV
U = 8 eV
MAE 20.9 meV
E − μ (eV)
ΔE (meV)
Γ M M′ Γ A k*
c Gap and spin splitting across U
MnTe
Ag3RuO4
Path gap (eV)
Same-band splitting within ±2 eV (meV)
outside trained window
U (eV)
Model
DFT+U