

Supplementary material

Table.S1

The elastic constants C_{ij} , the Young's modulus Y2D and Poisson's ratios ν of MgGa_2Te_4 , MgIn_2Te_4

	$C_{11}(\text{N/m})$	$C_{12}(\text{N/m})$	$C_{66}(\text{N/m})$	Y2D(N/m)	ν
MgGa_2Te_4	81.162	27.834	26.664	71.617	0.343
MgIn_2Te_4	69.449	24.198	22.625	61.017	0.348