

Fig. S1 The electronic band structure of bulk-GeTe by our first-principles calculations.

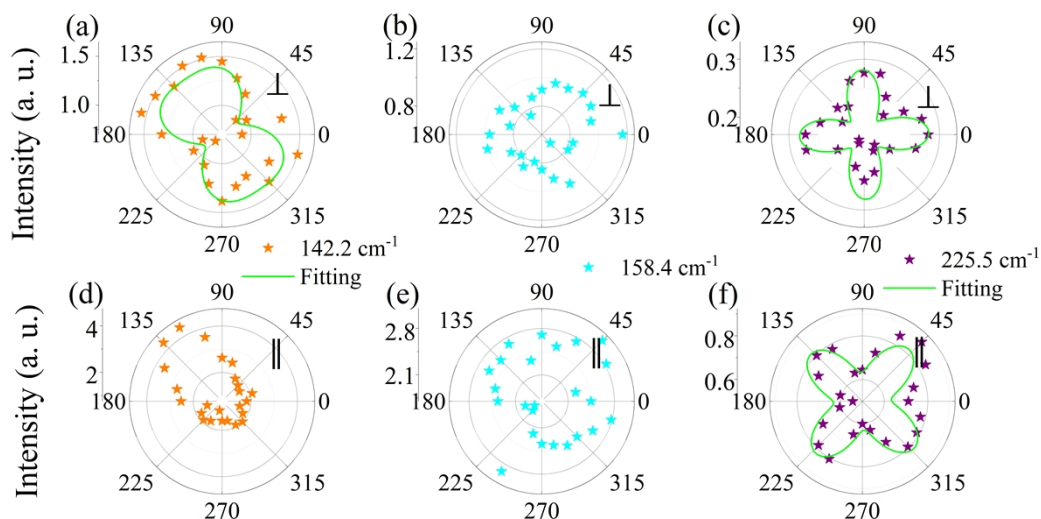


Fig. S2 (a)-(f) Polarization angle dependent Raman peak intensities at 142.2 cm^{-1} , 158.4 cm^{-1} , and 225.5 cm^{-1} under the parallel or cross configurations. Stars - experimental data, curves - fit results.

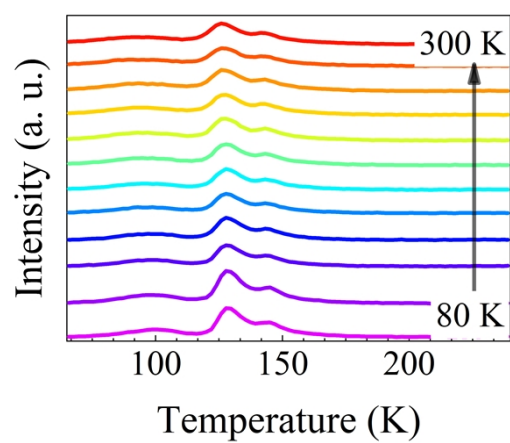


Fig. S3 Raman spectra of GeTe at 80 K-300 K where the step of temperature increase is 20 K.