



Figure 5-15: Temperature dependence of (A) thermal conductivity κ and (B) shear viscosity η . The dashed black lines are the $T^{3/2}$ scaling for both quantities at high temperature limit [16]. The thermal conductivity is compared with hydrodynamic response measurement from Ref. [4] (red diamond) and theoretical calculation from Ref. [54] (green line). The measured viscosity is compared with results from hydrodynamic expansion in Ref. [88] (pink line) and [88] (cyan line), and theoretical prediction from Ref. [44] (orange line).