

Speaker: Sean HARTNOLL (Cambridge University)

Title: Coupling incoherent charge dynamics to phonons

Abstract: Experiments and numerics suggest that the charge dynamics of some strange metals is incoherent, lacking the sharp features of a Lindhard particle-hole continuum. The dynamical charge susceptibility directly controls the coupling of the charge sector to phonons. I will describe some consequences of an incoherent charge sector on electron-phonon interactions.