

This continuum theory has a conserved momentum  $\mathbf{P}$ , and  $\chi_{\mathbf{J},\mathbf{P}} \neq 0$ , and so the resistivity  $\rho(T) = 0$ .

The resistivity of the strange metal is *not* determined by the scattering rate of charged excitations near the Fermi surface, but by the dominant rate of momentum loss by *any* excitation, whether neutral or charged, or fermionic or bosonic