- The *same* set of parameters used to describe X-ray scattering, also predict the strength of superconducting fluctuations above T_c. We characterize the diamagnetism by computing a dimensionless ratio, $R(T)$, between the diamagnetic susceptibility, χ_d, and the charge order correlation length:

$$R(T) \equiv \frac{12\pi\,\chi_d(T)}{k_B T \xi_{\rm cdw}^2}$$