- (1) $R \sim \hbar/\ell^2 \approx 4.1 \text{ ks}^2$ In an orbitrary 2D system $6 \sim \frac{\ell^2}{\hbar} (k_{\text{F}} \ell)$ "Minimal conductivity" implies $k_{\text{F}} \ell \sim 1$
- (2) $d = \sqrt{\frac{2 \varphi_0}{72 B}} \approx 1.4 \mu m$ ΔB is the period of oscillation, interred from the tigure
- 3 $\mathcal{X} = \frac{\pi^2}{9} V_F^2 \tau T V_F$ See Abrikosov, chapter 3