

Figure 4

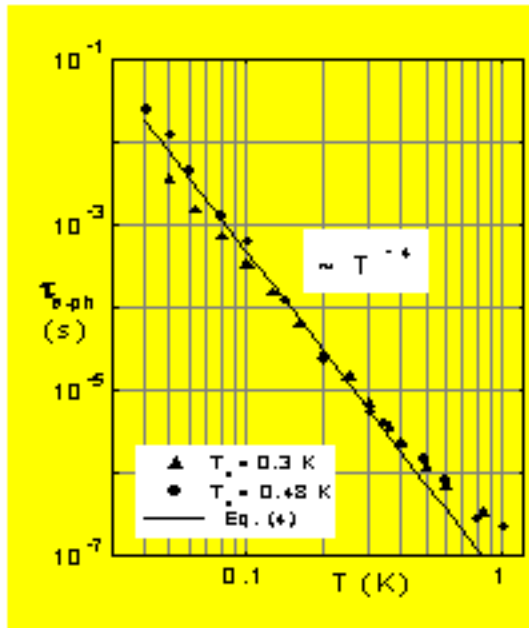


Fig. 4. The electron cooling time $\tau_{e-ph}(T)$ for 250 Å-thick Hf films with resistivity $\rho = 0.1$ m Ω -cm. For the other three Hf films with similar ρ , τ_{e-ph} was in the range 4 – 9 ms at $T = 40$ mK. The solid line is the dependence $\tau_{e-ph}(T)$ (Eq. 2) calculated for Hf with $\rho = 0.1$ m Ω -cm.