

FIG. 1. The magnetoconductance curves of a Mg film ($R = 91 \Omega$) with different coverages of Au. The numbers at the right give the Au coverage of the Mg surface in percent of an atola. The numbers at the left give the adjusted spin-orbit coupling fields. The dots are measured and the full curves are calculated with the theory by Hikami, Larkin, and Nagaoka.

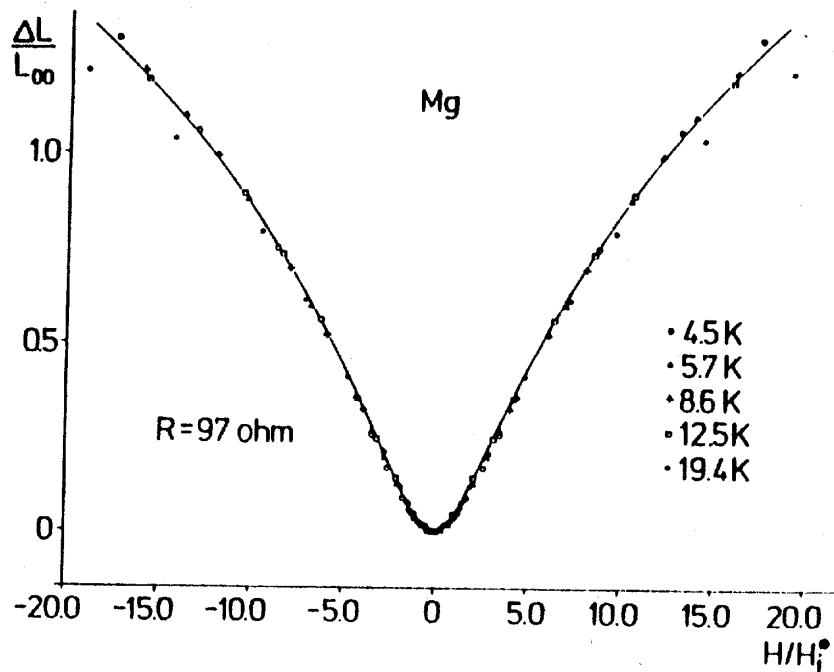


FIG. 1. Normalized conductance $\Delta L/L_{00}$ of the Mg film as a function of the (normalized) magnetic field $H/H_1^*(T)$ for different temperatures compared with the theory (full curve), $L_{00} = \hbar/(2\pi^2 e^2)$.