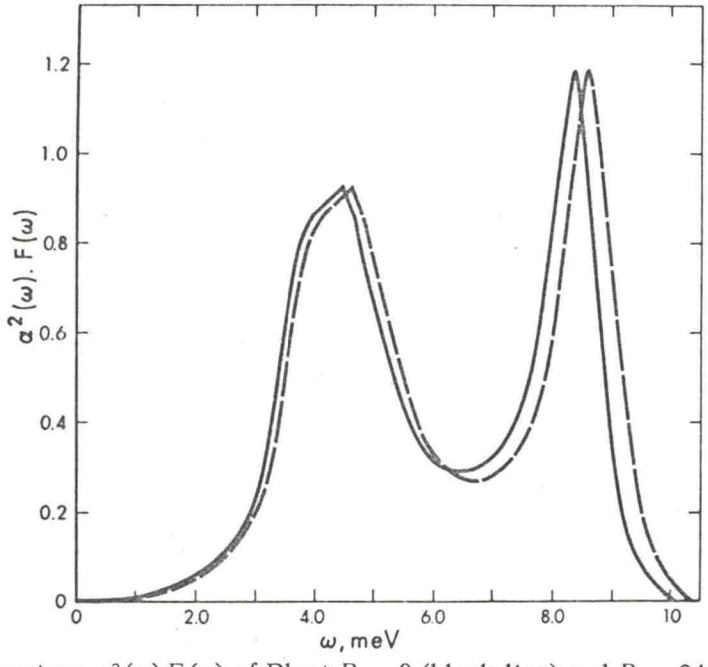

FIG. 1. The phonon spectrum $\alpha^2(\omega)F(\omega)$ of Pb at $P = 0$ (black line) and $P = 3445$ bar (dashed line).

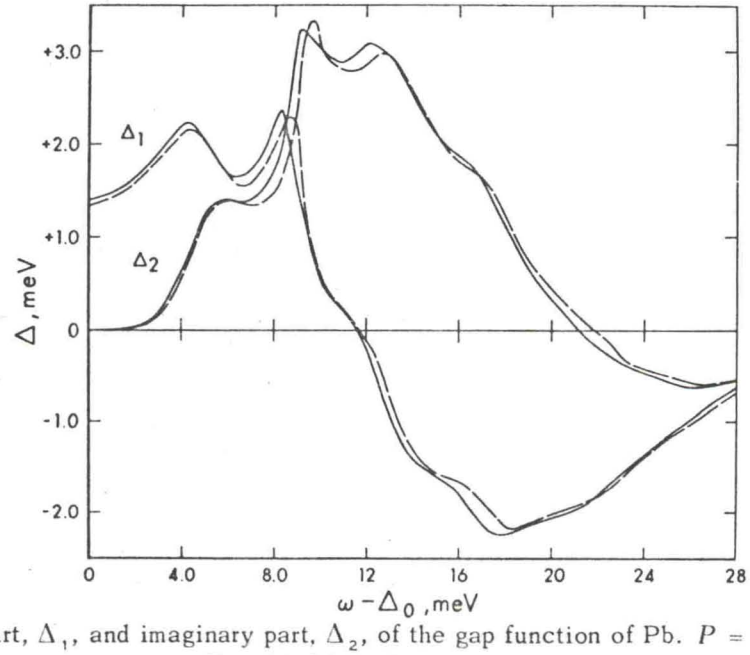

FIG. 2. Real part, Δ_1, and imaginary part, Δ_2, of the gap function of Pb. $P = 0$, black lines, $P = 3445$ bar, dashed lines.

In Fig. 2 we give the complex gap function $\Delta(\omega) = \Delta_1(\omega) + i\Delta_2(\omega)$ as function of energy and pressure. The phonon emission resonances are shifted to higher energies and somewhat reduced under pressure, indicating a move towards weaker coupling.

The Coulomb pseudo-potential, U_c, obtained from the inversion program is 0.12 at $P = 0$ and 0.14 at $P = 3445$ bar. This result is in good agreement with McMillan and Rowells'[5] result, and also with the theoretical estimate[7] of $U_c \simeq 0.11$. It should be stated, however, that