

at different pressures. The relation (11) predicts correctly the decrease of λ with pressure; numerically, however, it does not hold too well as a comparison between our results (5) and (7) shows. This may not be too surprising in view of the approximations used in McMillan's work. It appears that for the very strong-coupling superconductors like Pb (and Hg) only the full strong-

coupling theory will give satisfactory results.

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Das Phononspektrum von Blei, und seine Abhängigkeit vom Druck, wurden durch die Auswertung von Tunneleffektmessungen an supraleitendem Blei erhalten. Die Druckabhängigkeit der Elektron-Phonon Kopplungskonstante λ , und von anderen Parametern, zeigt, dass Blei mit steigendem Druck zu schwächerer Kopplung neigt.

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