



FIG. 3. The thermal expansion coefficient of fluid He³ and He⁴ along the melting curve.

For He⁴ a fit was made only above the λ -point; for He³ separate curves were fitted below and above the triple point. Fitted also to this equation were measurements of the solid-solid transition line in He³. Constants in Eq. (2) for the various transitions are given in Table VI along with the temperature range covered and the rms deviation in P . The melting curves at higher temperatures and pressures are well represented by the constants given earlier (1) for the Simon equation,

$$P_m = a + bT_m^c \quad (3)$$

Data for the molar volume of fluid along the melting curve could be repre-