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,

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

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