

FIGURE 11. The melting entropy of  $^4\text{He}$  as a function of temperature. —, This work; --●--●, Grilly & Mills (1959); ×, Dugdale & Simon (1953); O, Keesom & Keesom (1936).

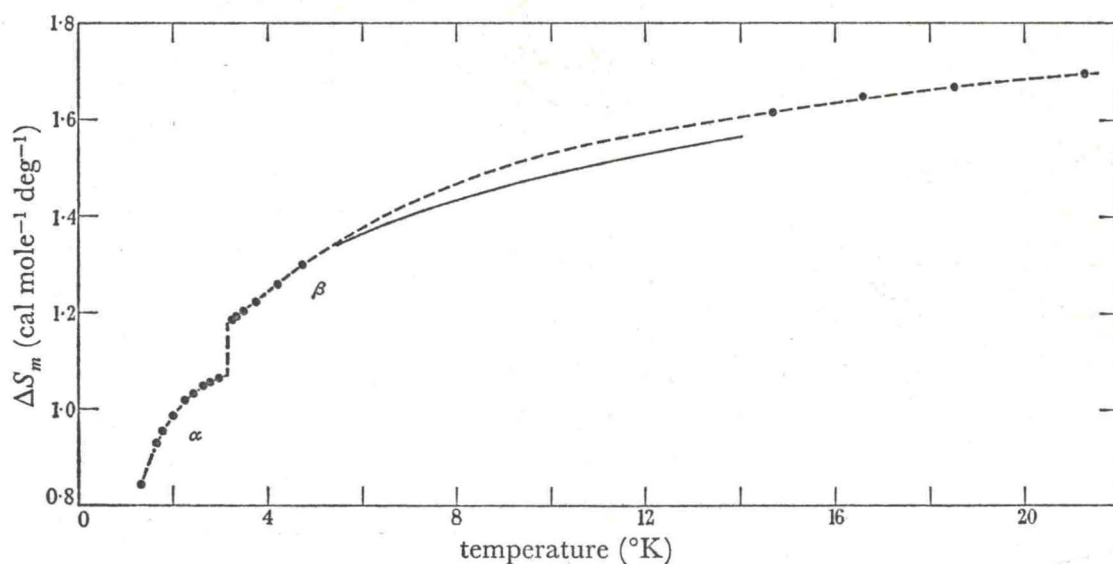


FIGURE 12. The melting entropy of  $^3\text{He}$  as a function of temperature. —, This work; --●--●, Grilly & Mills (1959).

TABLE 6. ISOCHORES FOR SOLID  $^4\text{He}$

$V$	$T = 0$	2	4	6	8	10	12	14	15
	$p$	$p$	$p$	$p$	$p$	$p$	$p$	$p$	$p$
12.0	1134.6	1134.6	1134.8	1135.9	1139.1	1146.2	1158.4	1178.2	1191.9
12.5	904.7	904.7	905.0	906.4	910.5	919.2	934.3	—	—
13.0	732.5	732.5	732.9	734.7	740.0	751.4	—	—	—
13.5	596.6	596.6	597.1	599.4	606.2	622.1	—	—	—
14.0	487.1	487.1	487.8	490.8	499.7	—	—	—	—
14.5	395.9	396.0	396.8	400.8	—	—	—	—	—
15.0	323.8	323.9	324.9	330.0	—	—	—	—	—
15.5	266.0	266.1	267.4	274.0	—	—	—	—	—
16.0	215.7	215.8	217.7	—	—	—	—	—	—
16.5	175.6	175.8	178.2	—	—	—	—	—	—

Units:  $T$  (°K);  $V$  (cm<sup>3</sup>/mole);  $p$  (Kg/cm<sup>2</sup>).