

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

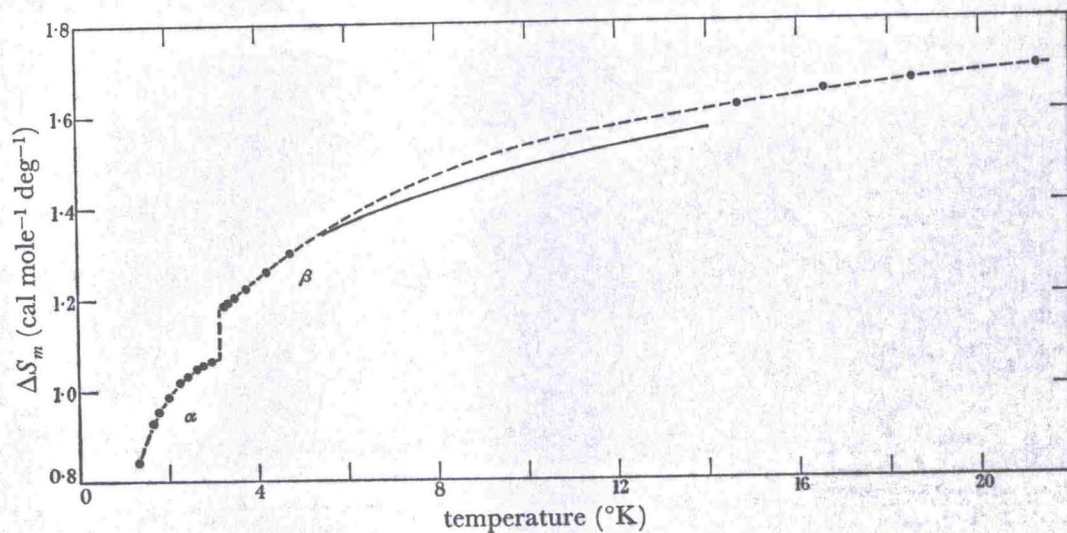


FIGURE 12. The melting entropy of ^3He as a function of temperature. —, This work; $\bullet\text{---}\bullet$, Grilly & Mills (1959).

TABLE 6. ISOCHORES FOR SOLID ^4He

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 ($^{\circ}\text{K}$); V (cm^3/mole); p (Kg/cm^2).