



Fig. 3.2 Range-energy relationship for  $\alpha$  rays in dry air at 15°C and 760 mm Hg. The curves agree with those of Bethe (B44) and with the tables by Jesse and Sadauskis (J12). Two low-energy calibration points (J12) are provided by the  $\alpha$  rays emitted in the thermal neutron reactions  $B^{10}(n,\alpha)Li^7$  and  $Li^6(n,\alpha)H^3$ .