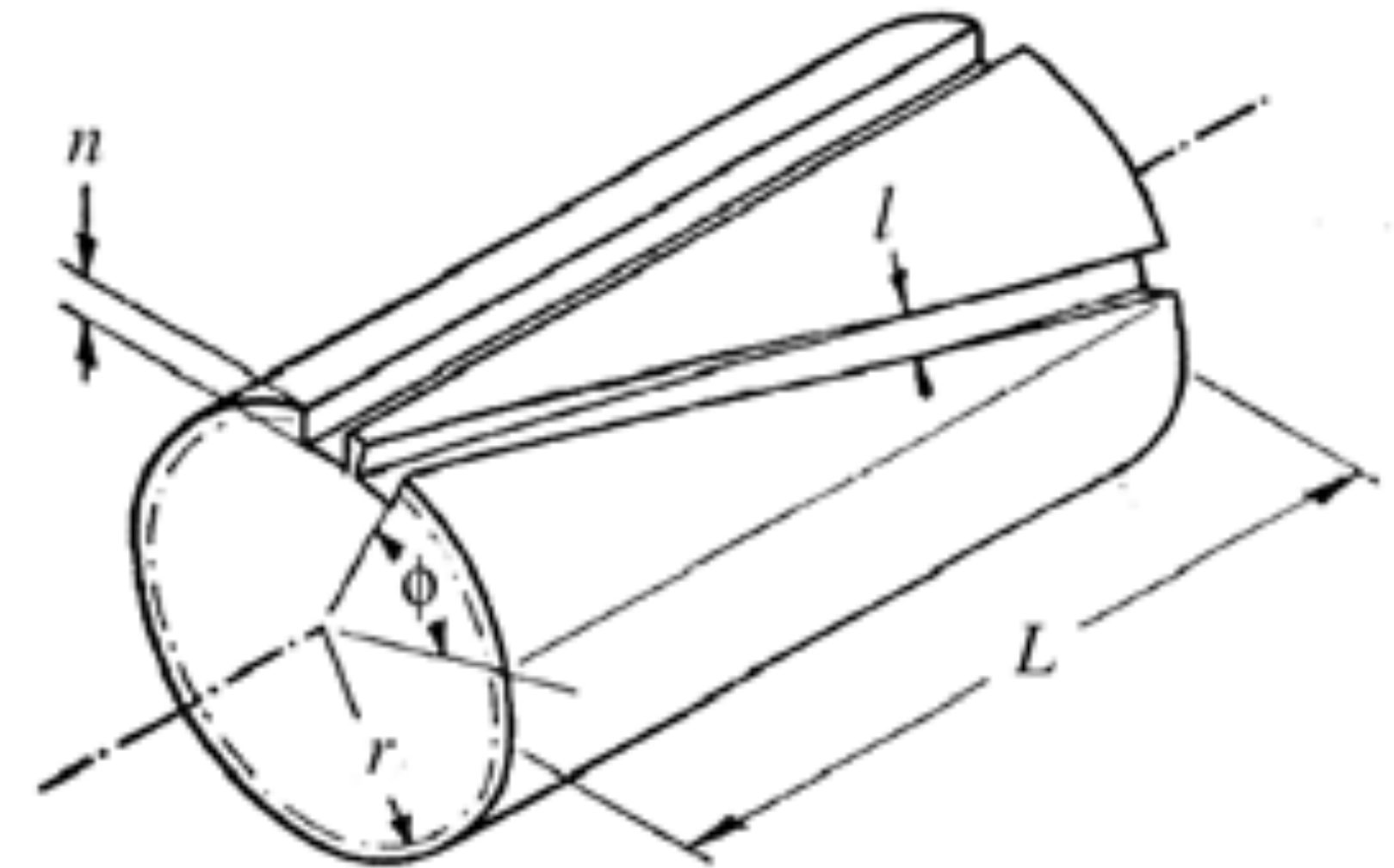
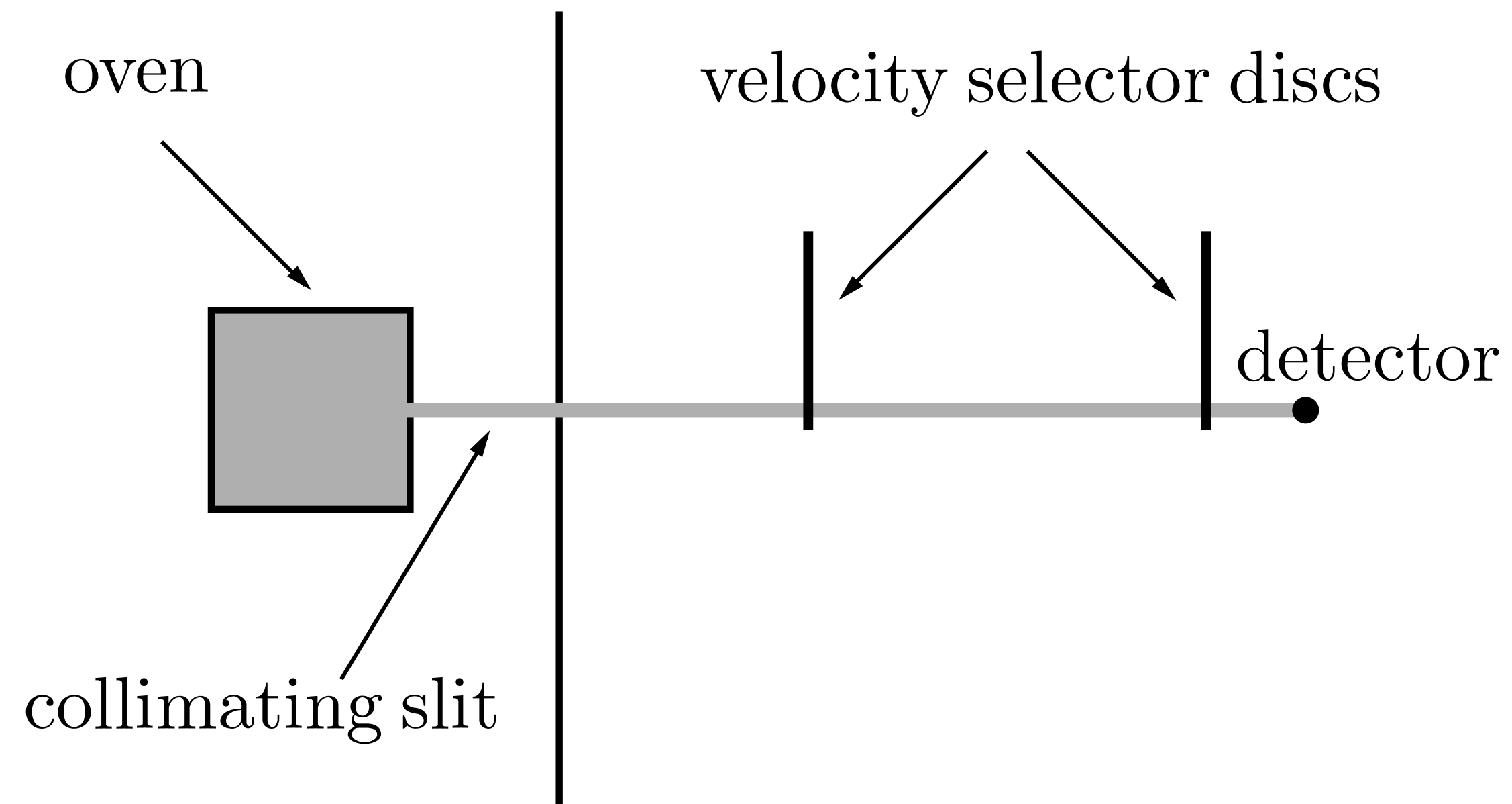


Measuring the velocity distribution (see book for details)

Velocity selector: A turning drum with a slot



If the speed is $v = \omega L / \phi$ then the molecule gets through the slot.

Measured Velocity Distribution

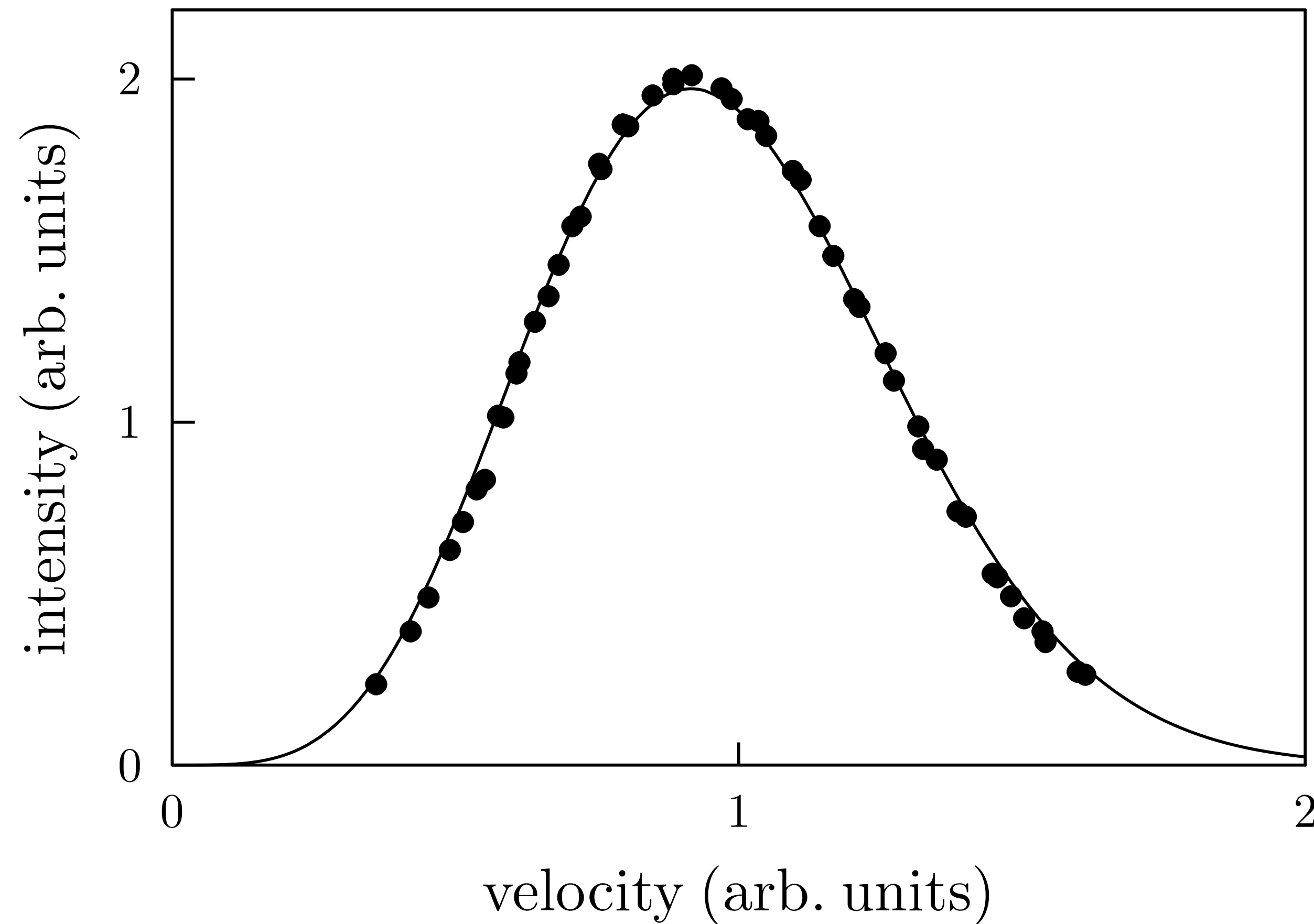


Fig. 5.7 Intensity data measured for potassium atoms using the velocity selector shown in Fig. 5.6 (from R.C. Miller and P. Kusch, Phys. Rev. **99**, 1314 (1955), Copyright (1955) by the American Physical Society). The line

Can be used to fit k_B !