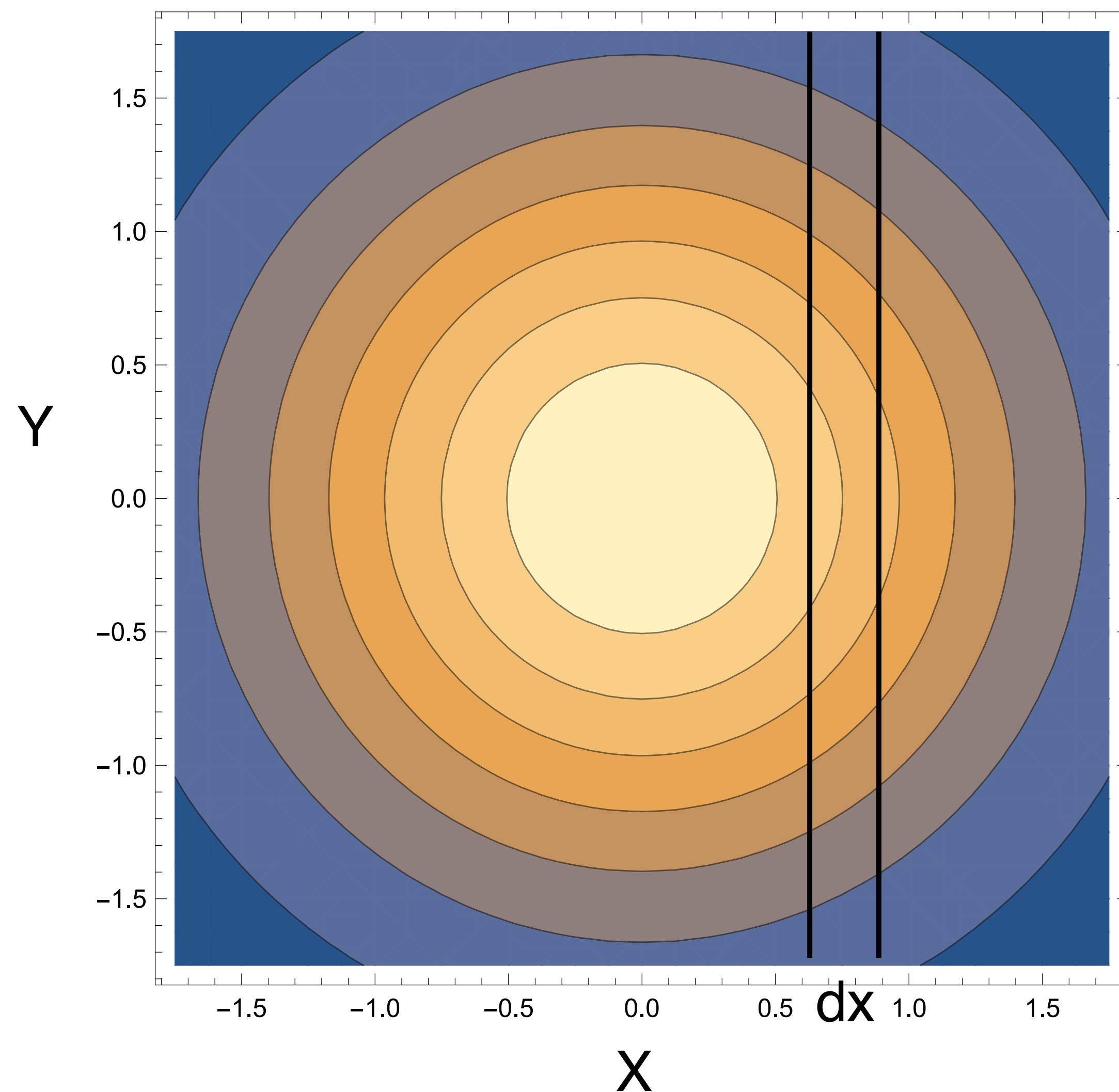
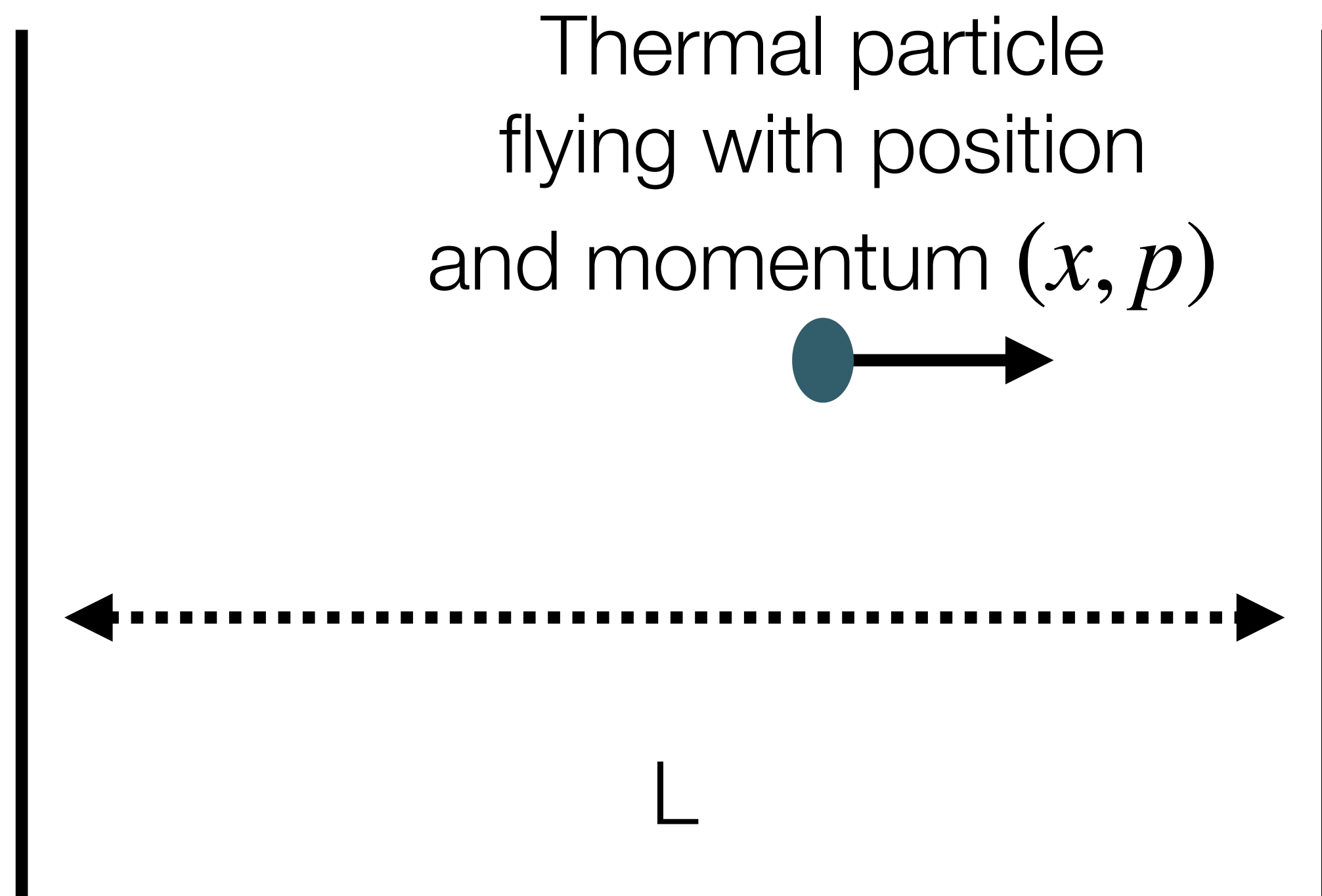


Finding $P(x)$ from $P(x, y)$ and “marginalizing” over y



I don't care what is y . Just tell me the probability of x . Any y in the bin dx is ok.

Classical thermal particle in a box of size L in 1D



The energy is

$$\varepsilon(p) = \frac{p^2}{2m}$$

Partition Function?