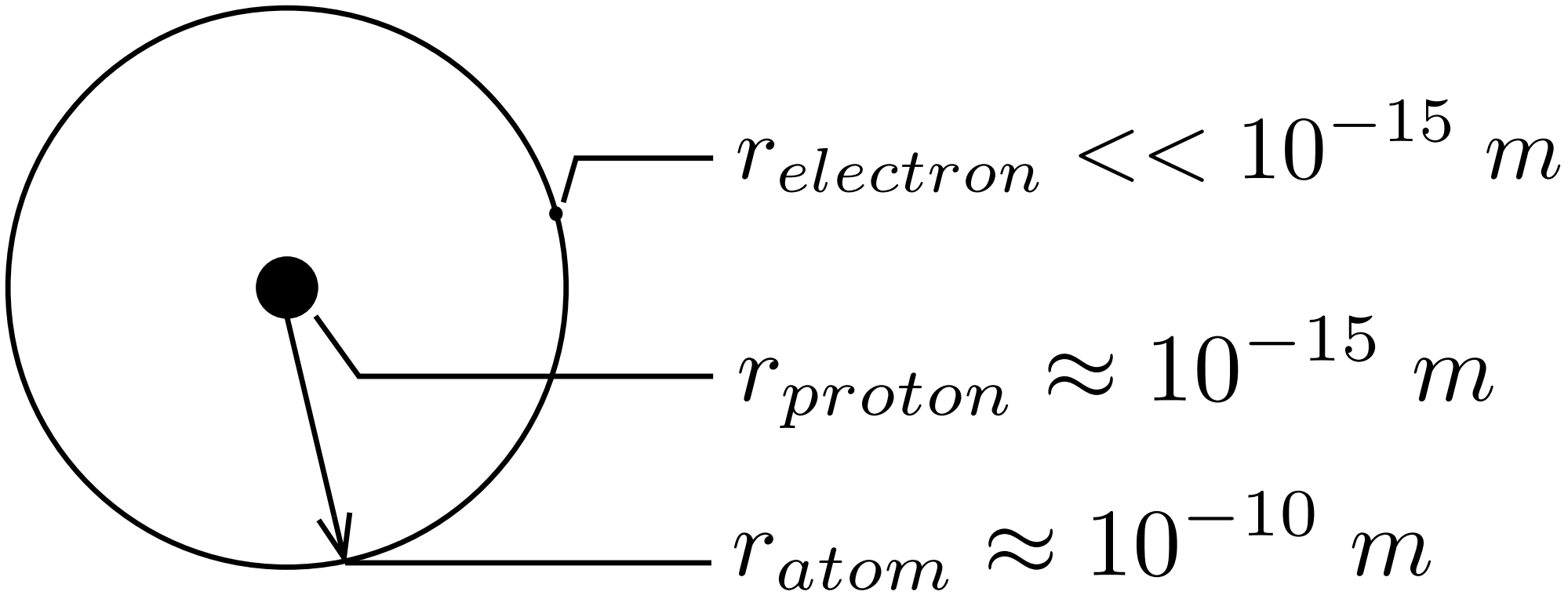
$r_{electron} << 10^{-15}\ m$
$r_{proton} \approx 10^{-15}\ m$
$r_{atom} \approx 10^{-10}\ m$