

Source: [KBhPHYS201QuantumWorldBookNotesIndex](#)

1 | Large and Small

- Scientific notation is required to deal with large and small quantities
 - This is required in much of particle physics since particles tend to be very small and fast
- People also tend to create more fitting units for a specific application

1.0.1 | Units

Femtometers are used as a unit of measurement in the atomic world. They're $10^{-15}m$.

For speed we use fractions of the speed of light $c \sim 3 * 10^8 m/s$