

More Nuclear Physics

Neutrons and Neutrinos

Nucleon – particles that can be found in the nucleus of an atom.

There are two types of nucleons:

* *Protons*

* *Neutrons*



More Nuclear Physics

Neutrons

When investigating the masses of nuclei, it was determined that nuclei could not contain only protons.

To account for this observation, Rutherford proposed that there be a particle in the nucleus that had mass but no charge.

He called this particle the neutron, and imagined the neutron to be a closely paired proton and electron.

The neutron was eventually discovered by Chadwick.

Common symbol: n