

* Structure of protons - Protons were firstly observed by E. Goldstein 1886.

• He repeated discharge tube experiment and show in addition of cathode rays a new kind of rays are found which travel opposite to cathode rays they are known as Anode rays.

contain
• Anode rays - positively charged particles known as protons.

* Mass - 1.672×10^{-27}
Charge - 1.6×10^{-19}

* Discovery of neutrons

• After the discovery of electron and proton, it was felt that an electrical neutral particle present inside atom.

• It was discovered by J. Chadwick in 1932.

* Mass - It has 1.67×10^{-27}
Charge - NO charge

* Thomson's model - Thomson proposed in 1899 that :-

• An atom consist of positively charged sphere