J.J. THOMSON TREE

Edward J. Routh
(Cambridge, 1854)

Discovery of electron **(1897)**
Thomson model of atom **(1903)**
conduction of electricity by gases

Rayleigh-Jeans law **(1900)**

Wilson cloud chamber **(1911)**

Cecil Frank Powell
development of photographic method for studying nuclear processes; discoveries regarding mesons

Townsend effect **(1922)**

Rutherford back scattering formula **(1914)**
disintegration of the elements; chemistry of radioactive substances

Sir George P. Thomson
experimental discovery of diffraction of electrons by crystals

Bragg equation, **Bragg** reflection indices
Bragg angle of diffraction **(1912)**
analysis of crystal structure by X-rays

Sir Edward V. Appleton
physics of upper atmosphere; discovery of Appleton layer

Lord Patrick M.S. Blackett
development of Wilson cloud chamber method; discoveries in nuclear physics and cosmic radiation

Pyotr L. Kapitsa
low temperature physics

Sir John D. Cockcroft
transmutation of atomic nuclei by artificially accelerated atomic particles

Sir James Chadwick
Discovery of neutron **(1934)**

Sir Nevill F. Mott
electronic structure of magnetic and disordered systems

Frederick Soddy
Discovery of element 91 protactinium **(1917)**
investigations into origin and nature of isotopes

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