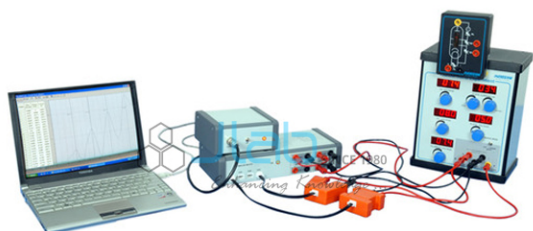


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Franck-Hertz Experiment with Neon



Description

Franck-Hertz Experiment with Neon

The Franck- Hertz experiment for Neon involves observing how energy is transferred from electrons as a result of inelastic collision while passing through neon gas.

The transfer of energy occurs in discrete steps corresponding to the excitement by such collision of distinct energy level transitions in the neon atoms.

The excited atoms then emit visible light.

In the Franck-Hertz experiment neon atoms are excited by inelastic collision with electrons.

The excited atoms emit visible light that can be viewed directly.

Thus it is possible to detect zones where the light and therefore the excitation is more intense.

The distribution of such zones between the cathode and the grid depends on the difference in potential between the two.
