

## Electron Diffraction Experiment

### **The aims of this experiment are:**

- Determine the interplaner distance ( $d$ ) of a graphite crystal.
- Prove the “de Broglie” hypothesis.
- Calculate the experimental value of Plank's constant.

To achieve these aims:

- Measuring of radius of inner and outer rings as function of voltage.

***In your REPORT write down everything you used or found for this experiment.***

About your device and experimental process please enjoy the Lab File!

### **Finally:**

*Discus your results!*

*Answer your question: **What IF...?***