



Zeeman Effect experiment

Zeeman Effect Experiment

Explanation:

The Zeeman Effect experiment studies the splitting of spectral lines under the influence of a magnetic field. It provides insights into atomic structure and quantum mechanics.

Application:

- Used in astrophysics to analyze the magnetic field of stars.
- Helps in studying atomic energy levels in quantum mechanics.

Measurement Table:

Parameter	Value/Unit
Wavelength Shift	nm
Magnetic Field Strength	Gauss
Number of Split Lines	Count