## **Quantum Mechanics**

## Introduction

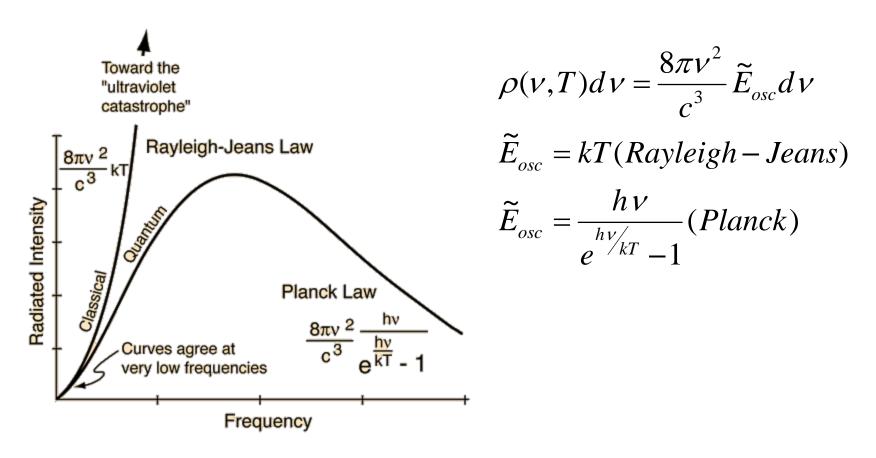
CML100
Physical Chemistry

- Faculty: Pramit K Chowdhury
- Office: MS725
- Phone: 26591521
- E-mail: pramitc@chemistry.iitd.ac.in

# **Suggested Books**

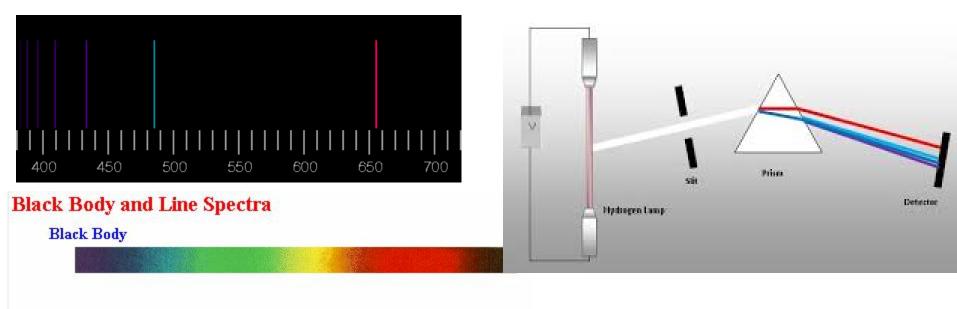
- Atkin' Physical Chemistry; Authors-Peter Atkins and Julio de Paula (<u>Text</u> <u>Book</u>)
- Physical Chemistry: A Molecular Approach; Authors: Donald A. McQuarrie and John D. Simon

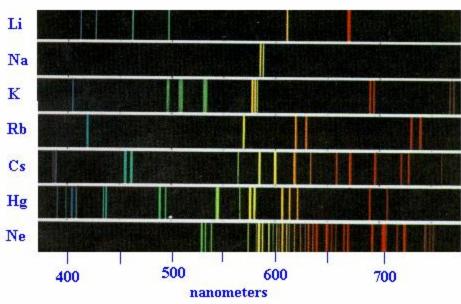
#### **Black Body radiation**



Energy is exchanged in quanta: E = nhv

### **Atomic Spectra**





$$\tilde{v} = R_H \left( \frac{1}{n_1^2} - \frac{1}{n_2^2} \right)$$
 (cm<sup>-1</sup>)