























Blackbody Radiation and the Photoelectric Effect



The Notion of Quanta

"Planck had put forward a new, previously unimagined thought, the thought of the atomistic structure of energy."

- Albert Einstein

- 1901 Paper by Max Planck on Black Body Radiation
- Classical Physics leads to Conclusion that Radiation from Hot Object is Very Bright at blue or violet end of Spectrum
- *eg*. A Fireplace Log glowing red ends up Emitting Ultraviolet Rays as well as X-Rays and Gamma Rays - the *Ultraviolet Catastrophe*





















