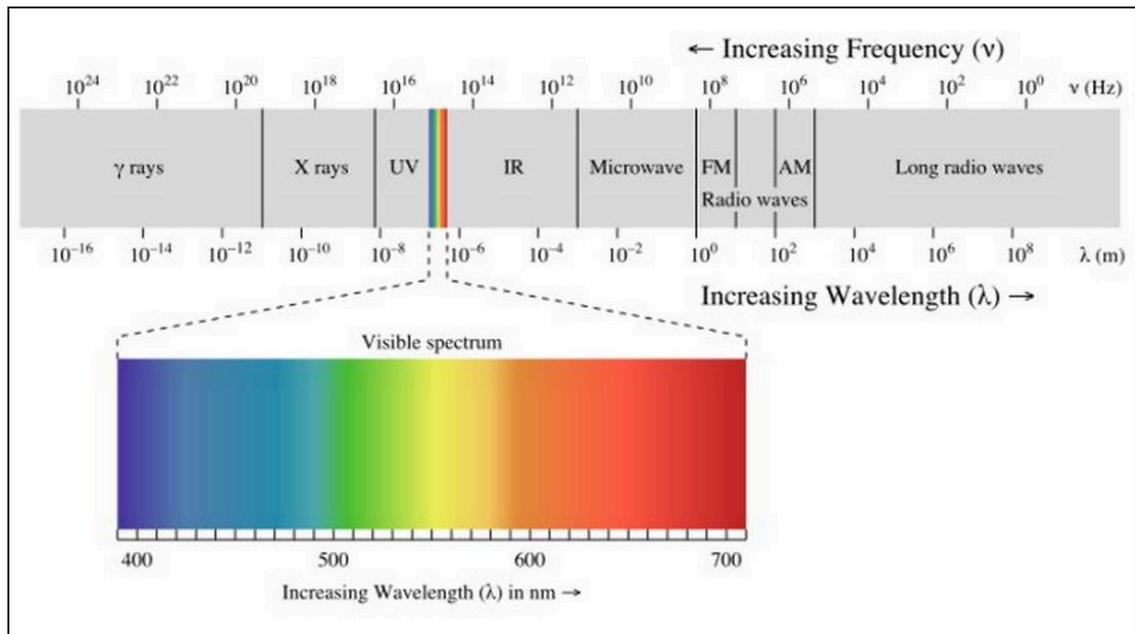


# The Light

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Abstract: statement of light is just one kind of waves

## Main viewpoints and conclusions:



In electromagnetic spectrum, Cosmic rays (composed primarily of high-energy protons and atomic nucleus), Alpha rays ( $\text{He}^{2+}$  or  $\text{He}^{2+}$  clusters), Beta or X-rays (electron or electronic clusters) and Gamma rays (neutrino or neutrino clusters) are not could be regarded as 'light' or 'electromagnetic waves' due to themselves all are entity radioactive particles with mass and don't have the characteristics of electromagnetic radiation.

The source and fundamental nature of visible light is thermal radiation.

One kind of light which  $E = h\nu$ , is means that the energy level of the kind of light is  $h\nu$ ; the *lower quantity limit* of light can be happen (to be born) is  $h\nu$ ; and the light with  $E = h\nu$  just is a energy package but not a entity particle.

Light does not have the properties of both waves and particles; light is one kind and form of *Energy streams (Matter waves)*, and just having only attribute of wave.

## References

- [1] *Electromagnetic radiation* [https://en.wikipedia.org/wiki/Electromagnetic\\_radiation](https://en.wikipedia.org/wiki/Electromagnetic_radiation)
- [2] *Light* [https://en.wikipedia.org/wiki/Light#See\\_also](https://en.wikipedia.org/wiki/Light#See_also)