

Growing Hydrogen Atom Emits Energetic Photon

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Abstract: Authors made an attempt to highlight the 6 major shortcomings of modern cosmology.
Suggested solution is - During cosmic evolution, growing Hydrogen atom emits energetic photon.

Major shortcomings of modern cosmology

1. If light is coming from the atomic matter of the galaxy, then redshift can be interpreted as a measure of the galactic atomic matter 'light emission mechanism'. In no way it seems connected with 'galaxy receding'.
2. If cosmic expansion is continuous and accelerating and redshift is a measure of cosmic expansion, 'rate of increase in redshift' can be considered as a measure of cosmic 'rate of expansion'. Then there is no possibility to observe a 'constant' red shift. Merely by estimating galaxy distance (instead of estimating galaxy receding speed) one cannot verify the cosmic acceleration.
3. 'Drop in cosmic temperature' can be considered as a measure of cosmic expansion and 'rate of decrease in cosmic temperature' can be considered as a measure of cosmic 'rate of expansion'. But if rate of decrease in temperature is very small and is beyond the scope of current experimental verification, then the two possible states are: a) cosmic temperature is decreasing at a very slow rate and universe is expanding at a very slow rate and b) there is no 'observable' thermal expansion and there is no 'observable' cosmic expansion.
4. If 'Dark energy' is the major outcome of the 'accelerating universe', it is very important to note that - in understanding the basic concepts of unification or other fundamental areas of physics, role of dark energy is very insignificant.
5. So far no ground based experiment confirmed the existence of dark energy. There is no single clue or definition or evidence to any of the natural physical properties of (the assumed) dark energy.
6. Dimensionally it is possible to show that, the dimensions of Hubble's constant and angular velocity are same. If so considering Hubble's constant merely as an expansion parameter may not be correct.

***proposed unified and compromising solution is:**

**During cosmic evolution, growing
Hydrogen atom emits energetic photon**