Physics all is wrong !!!

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**Abstract**

E=hf

(1)Einstein special relativity proven for astrophysics and particules (photon)

f=1/T

T must vary Lorentz transformation due to (1)

T vary

f vary,

h Planck constant,

E =hf, Then E vary, no more Energy conservation first physics postulate is wrong

elsewhat h no more constant and vary in a way that keeps E constant

elsewhat (1) is wrong even if it is proven by experience!!!!

**Discussion :**

Me : Let’s assume that frequency is reduced by expansion of space. Then the energy of photon is reduced by E=hf. This is against the law of energy conservation.

[**Stellan Gustafsson**](https://www.researchgate.net/profile/Stellan-Gustafsson) : The energy of a photon (after creation) stays constant. It's the "constant" of Planck which is increasing with the expansion of the Universe. This is the reason for the redshift.

[**Wolfgang Konle**](https://www.researchgate.net/profile/Wolfgang-Konle) :"*Let’s assume that frequency is reduced by expansion of space."*

Good argument. But photons support space expansion. This support swallows the energy the photons lose. The photon energy contributes to p\*∆V. p is the pressure exerted by all photons. ∆V is the volume change by expansion of space.

Me : p is the pressure Then Photon has a mass m

we will have E = hf = mC²

Then Photon has a mass m that vary according f frequency

**Conclusion**

The law of energy conservation is wrong or h planck constant not a constant and photon has mass m = hf/C²

All I know I know Nothing Socrates