

Barrow holographic dark energy and a possible reduction of the Hubble tension

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I will make some short reminiscent about the geometrical idea of Barrow entropy for black holes and its cosmological horizon applications in the context of dark energy. I will relate it to some other nonextensive entropies such as Renyi and Tsallis –the former being formally related to that of Barrow. Finally, I will show that, amazingly, Barrow holographic dark energy gives a strong Bayesian evidence against Λ CDM and can also weaken the Hubble tension.

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