

Seven hints that early-time new physics alone is not sufficient to solve the Hubble tension

Sunday, September 10, 2023 10:00 AM (1 hour)

It appears by now established that solving the Hubble tension requires new physics operating at early times, i.e. prior to recombination. But is that really the end of the story? Based on Miller's law (which states that the number of objects the average person can hold in working memory is about seven), I will present seven independent hints pointing towards the fact that the Hubble tension requires more than just early-time new physics, and will discuss my personal thoughts about what the most promising scenarios might be moving forward (also keeping in mind the potential tension in S8).

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