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Tensions in Cosmology: A signal of modified gravity?

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It is quite possible that the tensions between various observational datasets and theoretical predictions of the Standard Model of Gravity and Cosmology, such as the H_0 and S_8 tensions, could be a sign that we are approaching New Physics. Among the various possible solutions/alleviations, the ones based on modifications /extensions of General Relativity may be the most promising.

Presenter(s) : EMMANUEL SARIDAKIS