

## IberiCOS 2022



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# An overview on cosmological tensions

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The scenario that has been selected as the standard cosmological model is the Lambda Cold Dark Matter ( $\Lambda$ CDM), which provides a remarkable fit to the bulk of available cosmological data. However, discrepancies among key cosmological parameters of the model have emerged with different statistical significance. While some portion of these discrepancies may be due to systematic errors, their persistence across probes can indicate a failure of the canonical  $\Lambda$ CDM model. I will review these tensions, showing some interesting extended cosmological scenarios that can alleviate them.

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