

Cosmic Anomalies?

Wednesday 29 March 2023 08:00 (30 minutes)

Cosmology has advanced from “2.5 facts” in 1963 to a very data-rich field today. This has led to the determination of the baryon density, the dark matter density, and the dark energy density. But more facts lead to a greater reliance on advanced statistical techniques, which are usually useful but occasionally misleading. It is important to consider “look elsewhere effects”, and to remember that even the true model will not fit all the data.

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Session Classification: SESSION 1: Cosmology and structure formation (CHAIR: Graciela Gelmini-UCLA)