

Seminario di Dipartimento SMFI



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terrà un seminario dal titolo

The 2025 results from the Dark Energy Spectroscopic Instrument (DESI): Is the Standard Cosmological Model in Question?

Abstract:

The Dark Energy Spectroscopic Instrument (DESI) has constructed the largest 3-dimensional map of the universe to date, using millions of galaxies and quasars from its first three years of observations. The way this map evolves across space and time is determined by the relative contributions of ordinary matter, neutrinos, and the enigmatic dark matter and dark energy. Surprisingly, when DESI's new data are combined with other probes, the standard cosmological model struggles to provide a coherent picture of the universe's evolution. A simple extension of the model, where the dark energy equation of state varies over time instead of remaining constant, appears to better align with the observations. I will present these latest DESI results and explore their implications and prospects.

30/10/2025, ore 16:30, Aula Maxwell (plesso fisica)

