

The nature of dark energy from high z supernova observations

I will review the ongoing tests for the nature of dark energy along redshift. Observations of Type Ia supernovae at redshift z beyond 1 test both the density of dark energy and the evolution of the equation of state. Is there evidence of an evolution or are we having a constant dark energy behaviour such as the one expected if dark energy is the cosmological constant? I will discuss the results by various surveys.

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