

High Redshift Spectroscopy for Dark Energy and Inflation

Spectroscopy at $z=2-4.5$ can explore whether dark energy fades away rapidly in the past, follows the cosmological constant energy density, or has extra early dark energy. Measuring growth over these high redshift slices also allows reconstruction of the inflationary power spectrum - freedom beyond an assumed power law. SpecS5 will thus give important information on both current and primordial acceleration.

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