

Constraining Dark Energy parameters with needlet

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Euclid experiment will allow us to derive constraints on cosmological parameters and model selection through cross-correlation measurements between Cosmic Microwave Background (CMB) and Large Scale Structure (LSS). In this work we focalize on the detection of the late Integrated Sachs-Wolfe effect in order to constraint the density parameter for the dark energy Ω_{DE} , the equation of state w and the speed of sound c_s^2 , by means of a needlet-based cross-correlation estimator.

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