

Abstract Submitted  
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**Cosmology with the Dark Energy Survey** DOUGLAS TUCKER,  
Fermilab, DARK ENERGY SURVEY COLLABORATION — The Dark Energy  
Survey (DES) is a 5000 sq. deg. griz imaging survey to be conducted using a  
proposed 3 sq. deg. wide-field mosaic camera on the CTIO Blanco 4m telescope.  
The primary scientific goal of the DES is to constrain dark energy cosmological  
parameters via 4 complementary methods: galaxy clusters, weak lensing, galaxy  
angular correlations, and Type Ia supernovae, supported by precision photometric  
redshifts. Individually these will probe  $w$  at the 5-15% level; collectively they can  
in principle reach the few percent level. The DES is the next step in precision  
measurements of dark energy.

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