APR21-2021-001665

Abstract for an Invited Paper for the APR21 Meeting of the American Physical Society

Dark Energy Survey: Recent cosmology results and outlook

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I will present the current status of cosmology results from the Dark Energy Survey (DES). DES has surveyed 5000 square degrees of the sky in five photometric bands (grizY), which is contained within the public DES Data Release 2 (DR2). I will summarize the status of cosmology results primarily from the first three years of the survey (DES Y3), which includes results from large-scale structure in the universe, combining galaxy clustering and weak gravitational lensing, and from geometric probes, baryon acoustic oscillation and supernovae type Ia. Finally, I will report on the outlook for future cosmological analyses in DES using the Y3 data set and the complete survey represented by DR2.