

Abstract Submitted
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Cosmological Parameter Constraints from the Dark Energy Survey Supernova Program Three Year Spectroscopic Sample DILLON BROUT, Univ of Pennsylvania, DARK ENERGY SURVEY COLLABORATION — We present cosmological parameter constraints from 251 spectroscopically confirmed Type Ia Supernovae ($0.02 < z < 0.85$) discovered during the first 3 years of the Dark Energy Survey Supernova Program. Type Ia supernovae, used as standardizable candles, probe the acceleration of the universe and are sensitive to the equation of state parameter for dark energy. The photometric calibration, photometric pipeline, additional low- z supernovae samples ($z < .1$), as well as the final cosmological results and systematics analysis are discussed.

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