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Effects of Observational Systematics on DESI Cosmology RYAN STATEN, Southern Methodist University, DESI COLLABORATION — The Dark Energy Spectroscopic Instrument (DESI) aims to optimize its observing strategy by mitigating the effects of observational systematics using a dynamical exposure time calculator (ETC). Using a simulated large scale structure catalog comprised of luminous red galaxies, emission line galaxies, and quasars, we examine the effectiveness of the ETC by analyzing the impact of observational systematics on redshift efficiency and how this ultimately propagates to galaxy clustering measurements.

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