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## **Overview and Latest Progress of the Dark Energy Spectroscopic Instrument (DESI)**

*Thursday, 14 December 2023 14:00 (20 minutes)*

The Dark Energy Spectroscopic Instrument (DESI) will obtain optical spectra for approximately 40 million galaxies and quasars. Using the three-dimensional distribution of these galaxies, DESI aims to measure the universe's expansion history over the past 11 billion years, thereby exploring physics of dark energy. In this talk, I will provide an overview of the DESI survey along with its latest updates. I will cover topics including the early data release, the current status of the survey, various ongoing science projects, and potential future programs within DESI. Additionally, I will discuss the planned analyses employing higher-order statistics within the DESI collaboration

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**Session Classification:** Cosmology with large-scale structure