

Cosmic Cartography 2022: Exploring the Cosmic Web and Large-Scale Structure



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The DESI Survey: Strategy and Current Status

Friday, 11 March 2022 09:30 (30 minutes)

In this talk I will provide an overview of the strategy adopted for the full DESI Survey, as well as an update on its progress to date. Using a new 5000-fiber instrument at the 4m Mayall Telescope at Kitt Peak National Observatory, DESI should obtain spectra of more than 40 million targets over 14,000 square degrees during the course of a five year survey. Full survey operations began in May of 2021. I will provide a summary of the final selection methods adopted for each target class — stars, nearby bright galaxies, luminous red galaxies, emission line galaxies, and quasars — and describe their characterization using DESI Survey Validation data. I will also summarize the overall survey strategy and its progress to date.

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