

## Characterizing selection effects in Stage IV spectroscopic surveys

*Monday 14 July 2025 15:30 (30 minutes)*

To effectively extract cosmological information from spectroscopic surveys, it is crucial to accurately characterize their selection function. This is typically achieved through the use of a random catalog, which serves as a Monte Carlo realization of the selection function. In this presentation, I will outline the forward modeling approach utilized in the creation of the random catalog for the Euclid spectroscopic survey, emphasizing the challenges inherent in early data and, particularly, the issues arising from the lack of a highly pure and complete calibrator at this preliminary stage.

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