Rubin LSST-France, CC-IN2P3 Lyon, 13-15/12/2023



ID de Contribution: 4 Type: Non spécifié

Super-Sample Covariance in unbinned cluster count analyses

jeudi 14 décembre 2023 10:00 (20 minutes)

Cosmological parameters can be inferred from the measurement of cluster abundance in the unbinned regime. The standard unbinned likelihood is based on Poisson statistics and does not include the Super-Sample Covariance (SSC), assumed to be negligible, arising from the fluctuation and clustering of the underlying matter density field. In this talk, I present a formalism to account for SSC in the unbinned regime and compare it to the standard unbinned approach.

Auteur principal: PAYERNE, Constantin (LPSC (IN2P3))

Orateur: PAYERNE, Constantin (LPSC (IN2P3))
Classification de Session: Science talks