
SEMINARIO

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Unlocking galaxy formation with spectroscopy

Abstract: Galaxy spectra encode a vast amount of information concerning the underlying stellar populations that allow us to explore the evolution of galaxies. I will give a general overview of how population synthesis has allowed us to understand fundamental processes in extragalactic astrophysics and what major hurdles prevent us from retrieving detailed formation histories from spectra. I will contrast standard methodology (based on model fitting) with data-driven approaches (adopting multivariate analysis, information theory or machine learning methods), presenting some recent results related to the way local and global factors affect galaxy formation.

Sala de Grados I, Facultad de Ciencias
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Organiza: MathPhys

