
Dynamical and chemical evolution of the Milky Way from Optical and IR spectroscopic Surveys

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In the last decade or so a variety of ground based spectroscopic surveys of the Milky Way have been undertaken. These projects are yielding accurate kinematics and abundances for large, statistically significant samples of stars belonging to different Galactic populations.

I will review the main results from those surveys, and discuss their huge impact on our understanding of the chemical and dynamical evolution of the Galaxy, as well as on stellar nucleosynthesis.