Stellar Variability in the Era of Large Surveys

Vatican Observatory
Castel Gandolfo

16th Summer School in Astrophysics

04 - 29 June 2018

Large ground and space-based photometric, spectroscopic, and astrometric surveys now coming online are changing the astronomical landscape, expanding our tools for the exploration of the universe. Variable astronomical sources can be harvested by the thousands, including RR Lyrae, Cepheids, Miras, eclipsing binaries, etc., massively exploring both the time domain and the multiwavelength domain. This is a revolution in studies of the Milky Way and nearby galaxies, which can be explored now in unprecedented detail.

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