Cepheids and large scale spectroscopic surveys.

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Abstract

Cepheids are excellent tracers of the Milky Way (present-day) abundance gradients and therefore are an important input for the chemodynamical evolutionary models of our Galaxy. After briefly presenting the latest results in this field, I will discuss the impact of the next-generation survey spectrographs and explore the observing strategies in the context of large scale surveys.
As Cepheids are the first ladder of the extragalactic distance scale, I will also briefly comment on the impact of large surveys on the current research on the Cepheid period-luminosity relations.