

Galactic Cepheids as tracers of the thin disk in the Gaia era

Together with e.g., OB stars or open clusters, Galactic Cepheids, with ages ranging from a few tens to a few hundreds of Myr, are excellent chemo-dynamical tracers of the thin disk. Gaia DR2 and eDR3 data releases have had a significant impact on our understanding of the Galactic disk. I will review several important advances regarding classical Cepheids, made possible by Gaia, from updated period-luminosity relations, to Cepheids embedded in open clusters and to new determinations of the parameters of the warp and of the location of spiral arms.