



Galactic distribution of the hottest, H-deficient white dwarfs.

 $\rightarrow\,$ About 95% of all stars is expected to end as a white dwarf

 \rightarrow Investigations on their Galactic distribution offer the opportunity to the determine the fraction of the total mass of our Galaxy contained in the form of thick-disk and halo white dwarfs.

 \rightarrow Galactic distribution of white dwarfs studied only for relatively cool and by that nearby white dwarfs.

 \rightarrow The hottest (pre-) white dwarfs allow us to study a huge space volume due to their high luminosities.





Space velocities calculated for eight PG1159 stars, nine O(He) stars, and 35 DO WDs.The two ellipses indicate the 2 σ error bars for the thin and the thick disks.

→ Classification of white dwarf membership in the Galactic populations is possible based on kinematic criteria

→ Criteria deduced from a suitable sample of mainsequence stars (Kordopatis et al. 2011)

→ Preliminary results suggest that a substantial fraction of the H-deficient (pre-)white dwarfs might be part of the thick disk (up to 40%) and Galactic halo (up to 50%).