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The Galactic Distribution of Hot (Pre-) White Dwarfs

Poster Abstract: The vast majority of stars is expected to end their life as a white dwarf. Thus, they preserve important clues about the formation and evolution of our Galaxy. Investigations on their Galactic distribution also offer the opportunity to determine the fraction of the total mass of our Galaxy contained in the form of thick-disk and halo white dwarfs and the age of the inner Milky Way halo. So far, the Galactic distribution of white dwarfs was studied only for relatively cool and by that nearby white dwarfs. Because of their high luminosities, hot (pre-) white dwarfs allow us to study a huge space volume, far beyond the solar neighborhood. Here we present methods and preliminary results of an ongoing study of the Galactic distribution of the hottest (pre-) white dwarfs.