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Tracing the tidal streams of the Sagittarius dwarf with long-period variable carbon stars

Poster Abstract: We exploit the recent Catalina Surveys data of variable stars to study known AGB carbon stars in the Galactic halo. Period-luminosity relations are used to estimate distances and map the location of the probes of these intermediate-age populations. We find that the majority of our sample can be attributed to the tidal arms of the Sgr dSph, although they support recent results suggesting that the trailing arm is more distant than previously thought. Our carbon star sample also traces other halo features such as TriAnd and Hercules-Aquila.