

Priorless derivation of the dark matter density profile in Dwarf Spheroidal Galaxies of the Milky Way

Monday, September 12, 2016 4:50 PM (20 minutes)

We use the Maximum Likelihood technique to derive the density profile parameters of the the dark matter halos containing the Dwarf Spheroidal Galaxies of the Milky Way. This is done using the Jeans equation formalism on the the stellar kinematic data available for such systems. The method is validated on simulated data generated by the Gaia Challenge team.

Summary

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Session Classification: Dark matter (indirect detection)

Track Classification: Dark matter (indirect detection)