

Abstract Submitted  
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**Dwarf Galaxy Populations of Nearby Galaxies and Implications for Dark Matter**<sup>1</sup> ALEXANDRA DAVIS, Ohio State Univ - Columbus, ANNA NIERENBERG, UC Irvine, ANNIKA PETER, CHRISTOPHER KOCHANEK, CHRISTOPHER GARLING, SAMSON JOHNSON, Ohio State Univ - Columbus — We present our first results from a deep LBT survey of dwarf satellites of nearby galaxies. We are sensitive to deep within the ultra faint dwarf and ultra diffuse galaxy regime. We present our candidates and for the first time and report the number and distribution of satellites for galaxies outside the local group. We discuss the implications of these new observations on the dark matter halo distribution function and dark matter models.

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