

Abstract Submitted  
for the APR16 Meeting of  
The American Physical Society

**Implications of the Observed Scaling Relations between the Dark Matter Halo Parameters and Half-Light Radii of Milky Way Dwarf Spheroidals** HUNTER SOMERS, ZECH MILLER, BEN WOODALL, CASEY R. WATSON, Millikin University — We compare observed scaling relationships between the half-light radii and best-fit, Burkert dark matter halo parameters of 13 Milky Way dwarf spheroidal galaxies (dSphs) to similar relationships found for dwarf spiral galaxies. We also consider the theoretical underpinnings of these relationships and discuss their implications for galaxy formation and evolution.

Hunter Somers  
Millikin University

Date submitted: 08 Jan 2016

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