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Milky Way Satellites and Lambda Cold Dark Matter

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The observed properties of dark matter on Galactic scales provide a powerful test of structure formation and on the theory of Lambda-Cold Dark Matter (LCDM). In this talk I will present new results on the mapping of the observed Milky Way satellite population onto the dark matter halo population in LCDM-based theoretical models using the highest resolution numerical simulations. I will discuss how these results provide important information on the properties of the least luminous objects in the Universe and on the population of dark subhalos in our Milky Way.

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Classification de Session: Parallel Session : Structure Formation & N-body simulations 2

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