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Chronographic and Structural Analysis of the Milky Way Halo with Blue Horizontal-Branch Photometry

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The relative age and density distributions of the Milky Way Inner and Outer Halo are mapped using samples of blue horizontal branch (BHB) stars selected from the first data releases of Pan-STARRS, GALEX, and the Dark Energy Survey. We see evidence of deep substructures at unprecedented depths, and explore the chronographic structure of the Large Magellanic Cloud. We present our results for the derived age gradient and spatial density profile and discuss the implications on the Milky Way assembly history.

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