

Abstract Submitted
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Galactic and black hole evolution from NBWF cosmology WAYNE R. LUNDBERG¹, None — The No-boundary Wave Function approach to cosmology has been shown consistent with the standard picture of inflationary cosmology under specific conditions. Considering these conditions to be empirically selected creates new areas for observational confirmation. Oscillatory evolution of the scalar field $\Phi(t)$ indicates repeated mini-bang events in the early universe. This result is supported by observations of early structure formation, and that Ultra-high Energy Cosmic Rays and Gamma-Ray bursts are not found to have Active Galactic Nuclei as their source. More recent observations of super-massive black holes in unusually small elliptical galaxies indicate that the current relation between BH mass and host galaxies needs revision. Introduction of a gedanken for dark matter evolution in relation to cosmological structure and galactic cluster formation creates a new and more consistent interpretation of a host of observations.

¹...further details and Q/A in poster submission

Wayne R. Lundberg
None

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