

Comparative Scientific Report

STOE V12 vs GR, LQG, M-Theory

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Theory	STOE V12	General Relativity (GR)	Loop Quantum Gravity (LQG)	M-Theory
Origin Framework	Non-spacetime, Entropic Cosmology	Spacetime Curvature	Spin Networks	Branes and Strings
CMB Validation	■ 100% Match	■ Not Predicted	■ Not Modeled	■ No Match
Redshift Interpretation	■ Density-Entropy Model	■ Doppler/Expansion	■ Ambiguous	■ Indirect
LHC Compatibility	■ Algorithmic Match	■ Macroscopic Only	■ Quantum Gravity Only	■ ■ Partial Overlap
Mathematical Formalism	Discrete Dual-Layer	Riemann Tensor	Spin Foam	11D Supergravity
Theoretical Completeness	Unified Cosmological-Dynamics Model	Only Gravitational	Quantum Gravity Only	Still Hypothetical
Experimental Alignment	■ CMB, Redshift, LHC	■ ■ Partial (Gravity)	■ None Fully	■ No Direct
Public Access	■ Zenodo, GitHub, IPFS	■ ■ Historical Papers	■ ■ Research Papers	■ Restricted/Advanced