Measurement Collapse Field Theory

Executive Summary

Overview:
This work proposes a new framework — the Measurement Collapse Field — that unifies quantum uncertainty and classical reality through recursive collapse of potential.

Rather than treating measurement as an external action upon spacetime, the theory models measurement as a dynamic field process: a recursive collapse of unstable phase potential into stabilized, observable definition. Reality, under this model, emerges as a consequence of collapse recursion, not as a property of an independent spacetime substrate.

Key Concepts:
- Potential Exists First: Reality begins as unstable complex potential, not defined space or time.
- Collapse is Recursive: Measurement triggers recursive collapse, stabilizing local regions into classical definition.
- Time as Potential Decay: Temporal flow emerges from asymmetrical collapse-driven phase decay, not as a fundamental dimension.
- Spacetime as Emergent Artifact: Space and time stabilize from recursive measurement collapse fields.
- Dark Phenomena as Collapse Artifacts: Dark energy, dark matter, and black holes are reinterpreted as incomplete or saturated collapse structures, eliminating the need for exotic forces or hidden mass.

Manuscript Status:
Chapters 1–8 present the complete foundation of the Measurement Collapse Field, Collapse Tensor Geometry, and core emergent mechanics. Chapters 9–13 extend these results into cosmological consequences (black holes, dark energy, CMB collapse topology) and are undergoing final polish.

Invitation:
Given your extensive work on measurement foundations, quantum metrology, and phase coherence, your feedback would be invaluable. Thank you for your time and consideration.