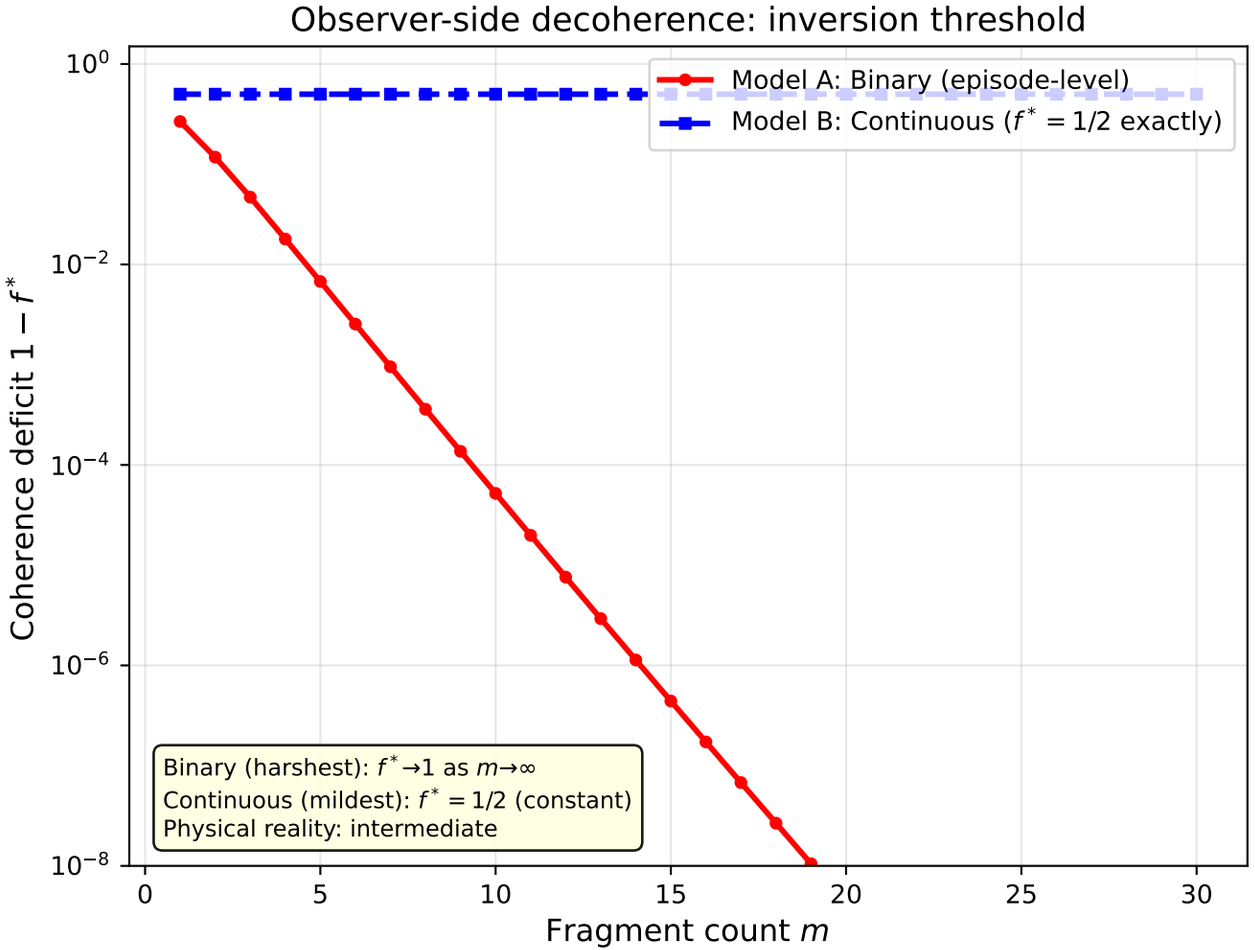
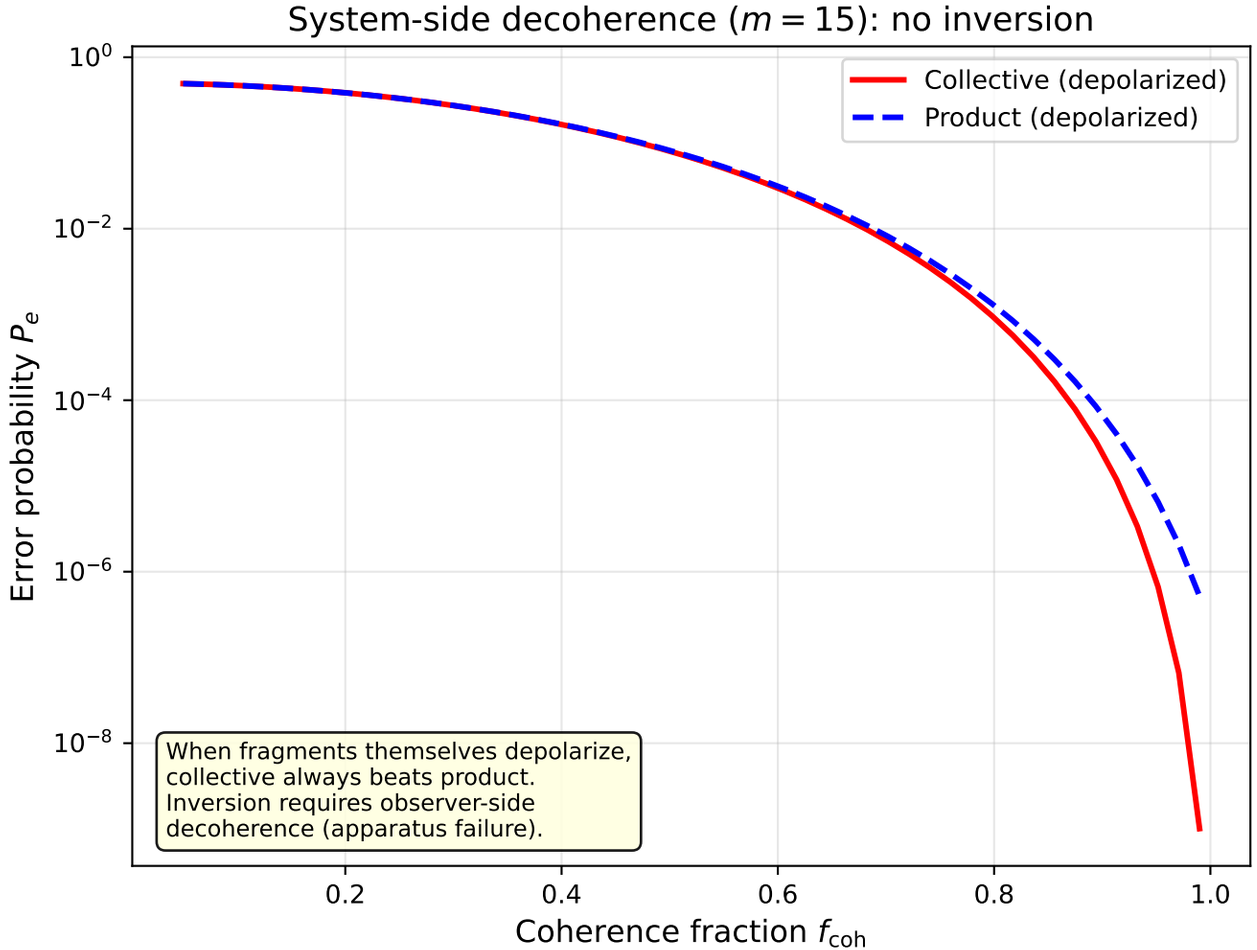

Observer-side decoherence: inversion threshold
Model A: Binary (episode-level)
Model B: Continuous ($f^* = 1/2$ exactly)
Coherence deficit $1 - f^*$
Fragment count m
Binary (harshest): $f^* \to 1$ as $m \to \infty$
Continuous (mildest): $f^* = 1/2$ (constant)
Physical reality: intermediate


System-side decoherence ($m = 15$): no inversion
Collective (depolarized)
Product (depolarized)
Error probability P_e
Coherence fraction f_{coh}
When fragments themselves depolarize,
collective always beats product.
Inversion requires observer-side
decoherence (apparatus failure).