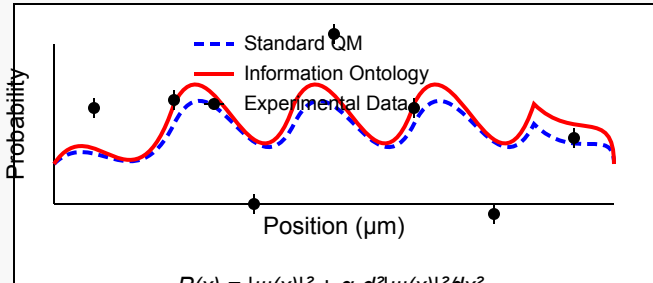
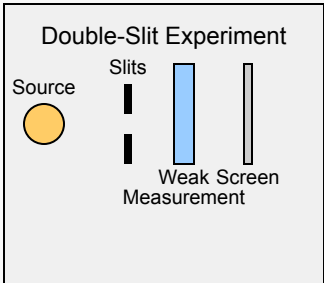
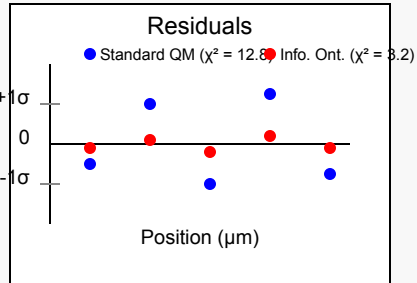


Testable Predictions of Information Ontology

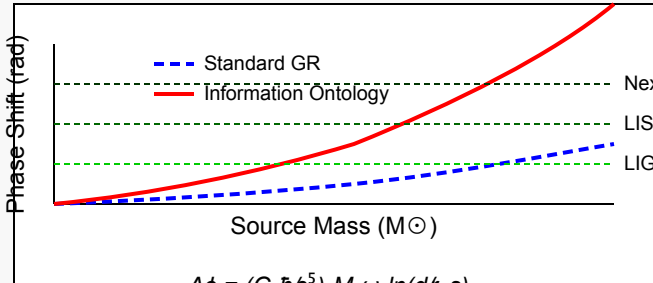
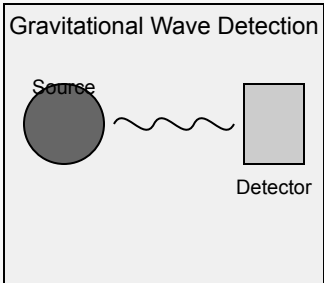
A: Quantum Interference Modifications



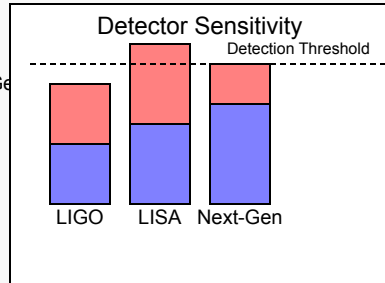
$$P(x) = |\psi(x)|^2 + \alpha d^2 |\psi(x)|^2 dx^2$$
$$\alpha = (1.35 \pm 0.2) \times 10^{-15} \text{ m}^2$$



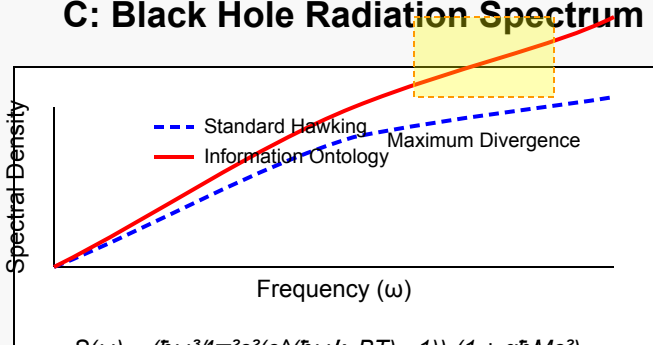
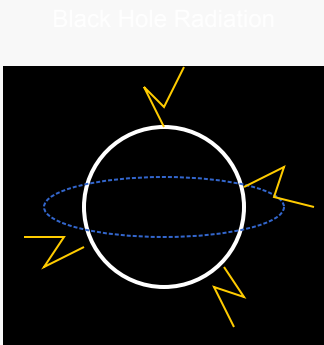
B: Gravitational Wave Phase Shift



$$\Delta\phi = (G/\hbar c^5) M \omega \ln(df_s)$$



C: Black Hole Radiation Spectrum



$$S(\omega) = (\hbar\omega^3/4\pi^2c^2)(e^{(\hbar\omega/k_B T)} - 1)^{-1}(1 + \alpha\hbar M c^2)$$

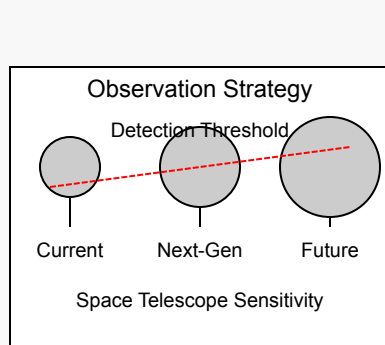


Figure 2. Experimental predictions and preliminary verification of information ontology