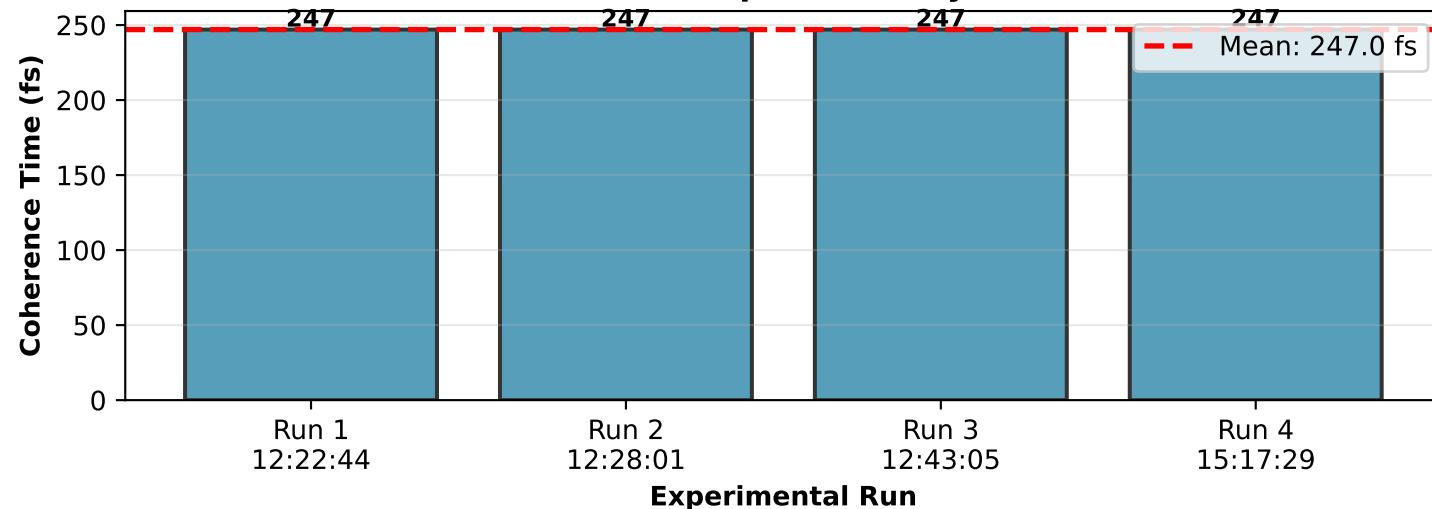
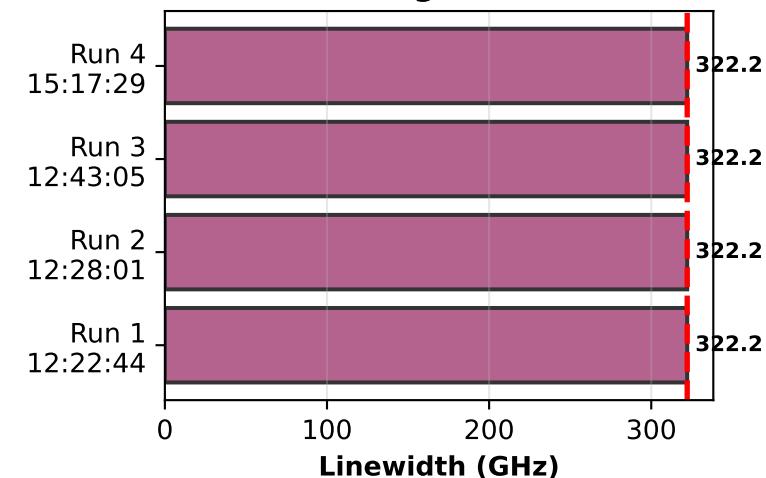


Figure 7: Quantum Vibrational Coherence at 71 THz

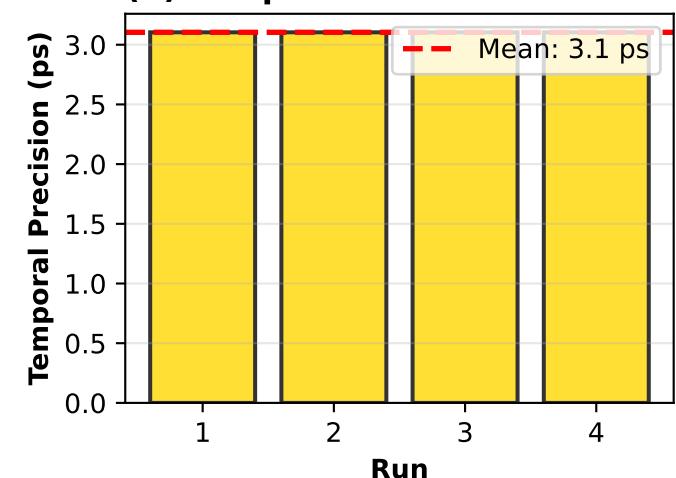
(A) Quantum Coherence Time - Reproducibility



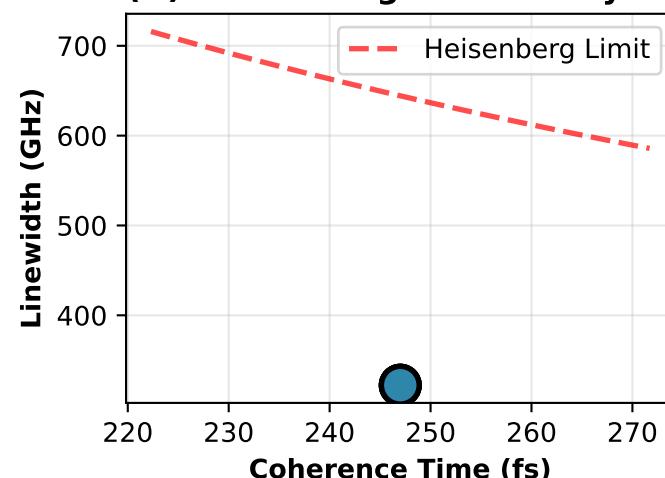
(B) Heisenberg Linewidth



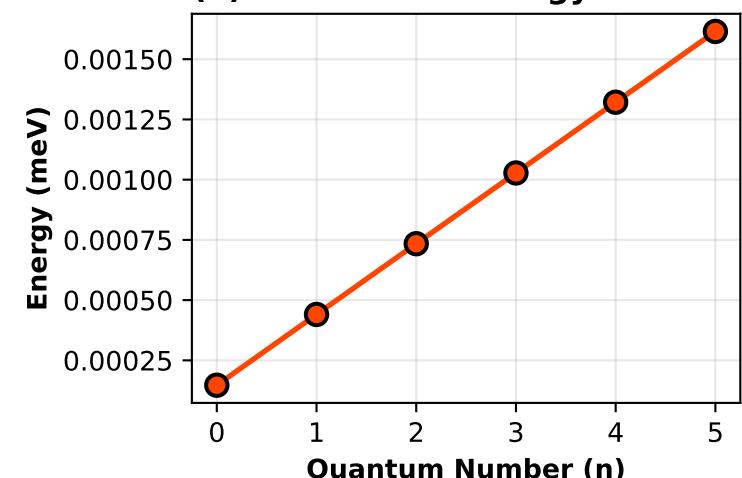
(C) Temporal Precision



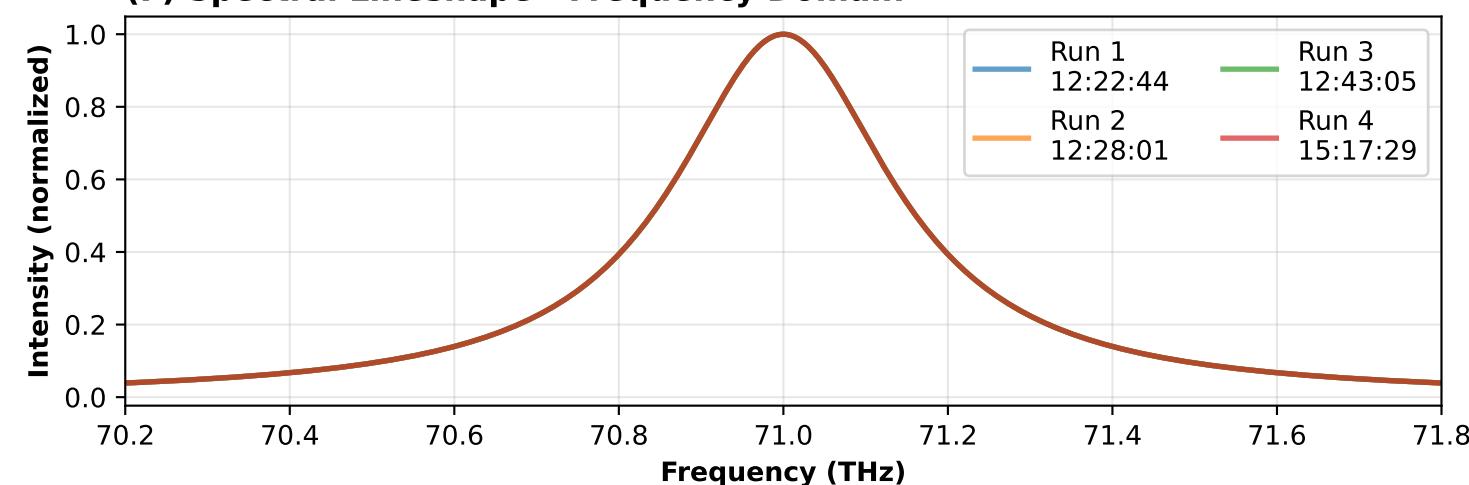
(D) Heisenberg Uncertainty Validation



(E) Vibrational Energy Levels



(F) Spectral Lineshape - Frequency Domain



(G) Temporal Coherence Decay

