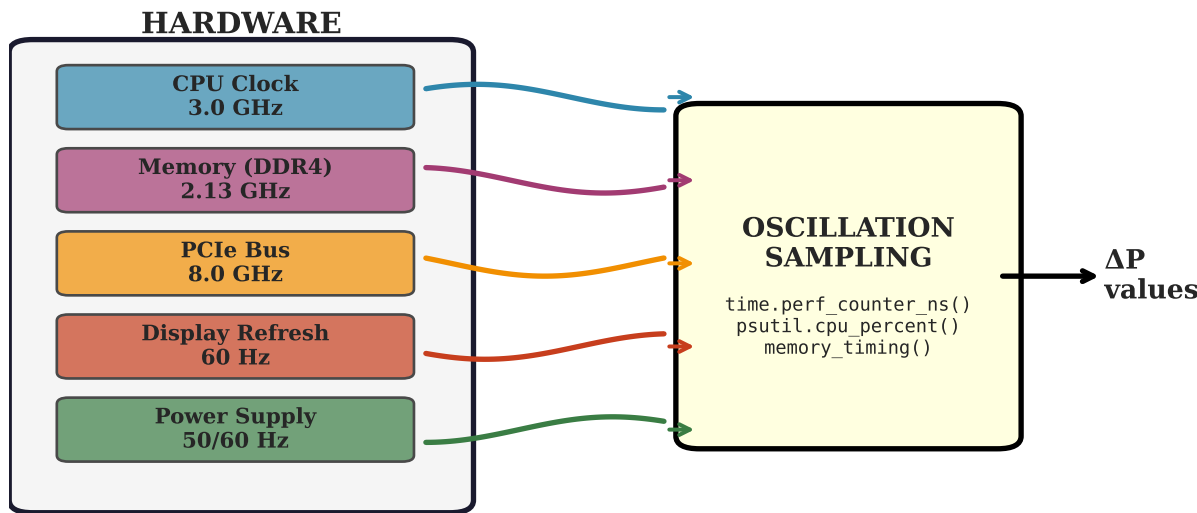


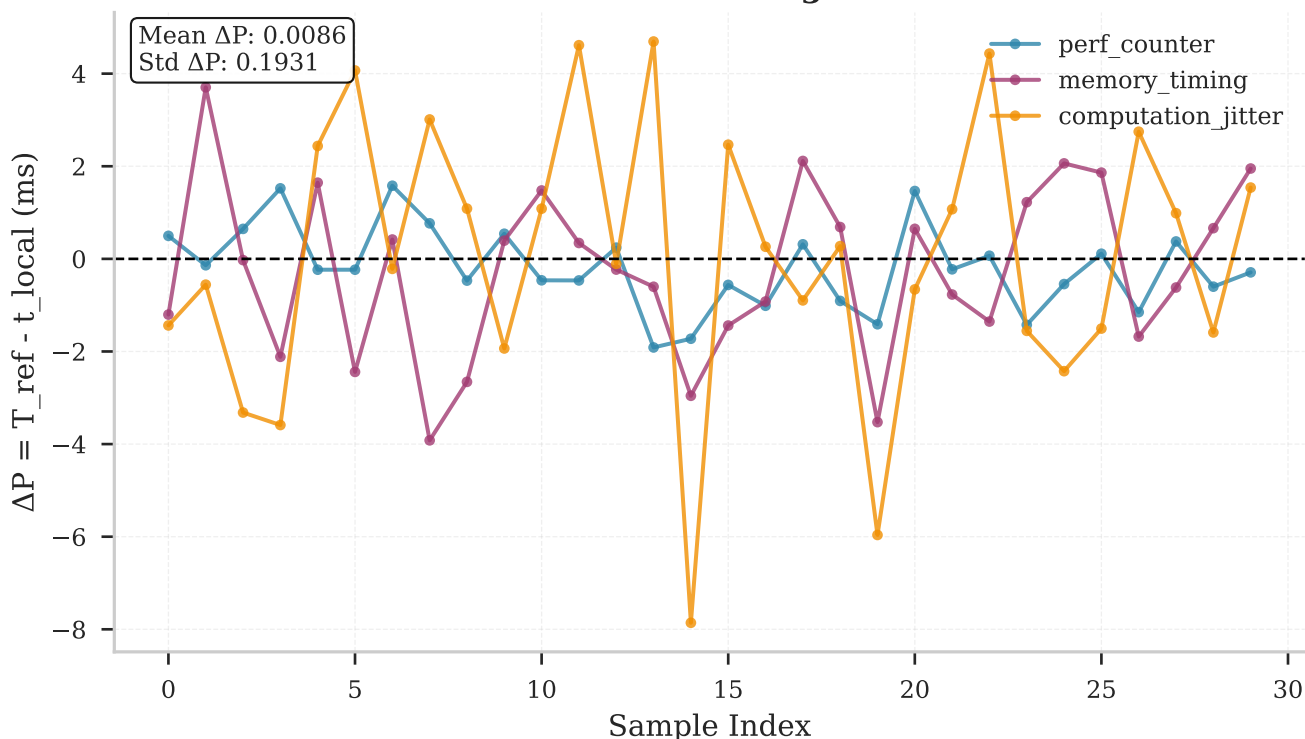
Hardware-Based Virtual Spectrometer: From Oscillations to Molecular Measurement

Real Hardware → Precision-by-Difference → S-Entropy → Categorical Measurement

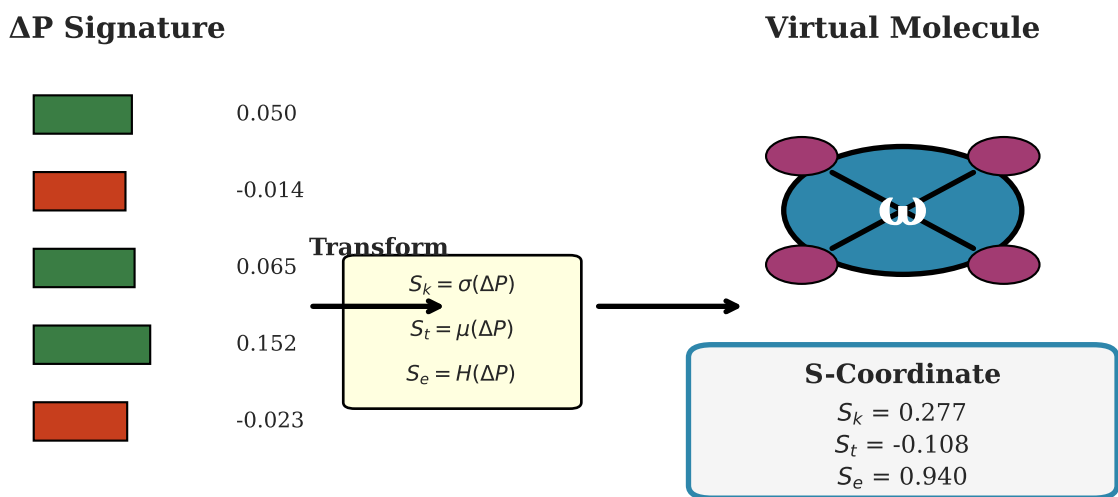
A. Hardware Oscillation Sources



B. Oscillation Harvesting → ΔP Values

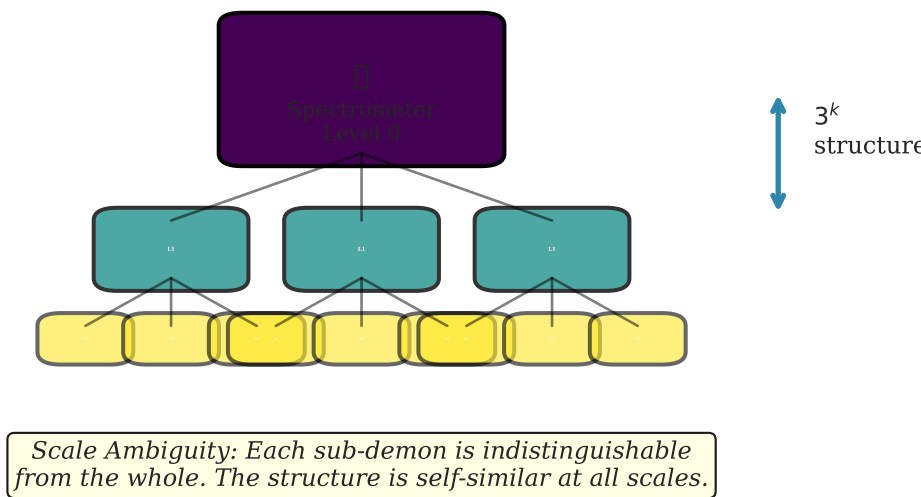


C. Mapping to S-Entropy (Virtual Molecules)

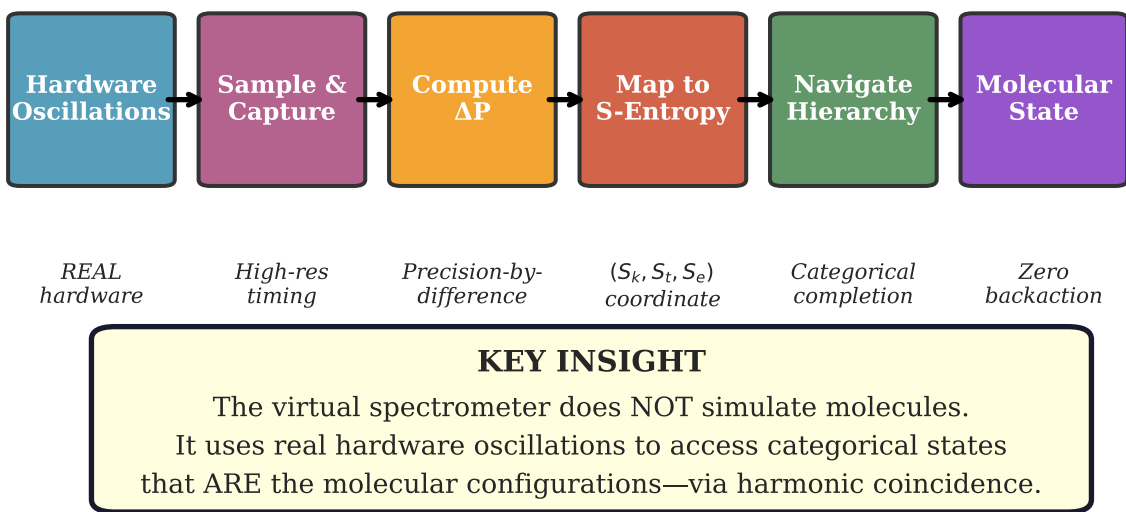


D. Virtual Spectrometer: Recursive Maxwell Demon

Each level is itself a complete spectrometer



E. Complete Measurement Pipeline



F. Harmonic Coincidences: Hardware ↔ Molecular

