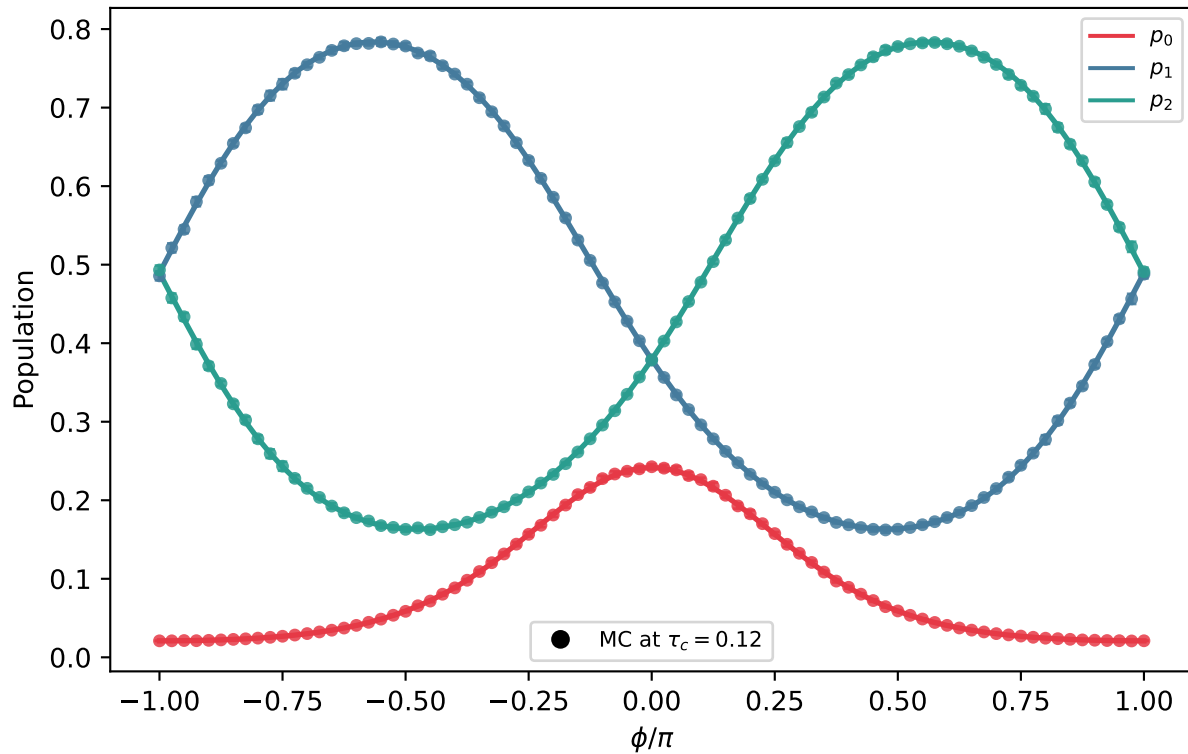NHS-CNG-PHASE-v2: qutrit clock phase benchmark

(A) Smooth analytic curves + MC overlays

(B) Trace-distance error across phase