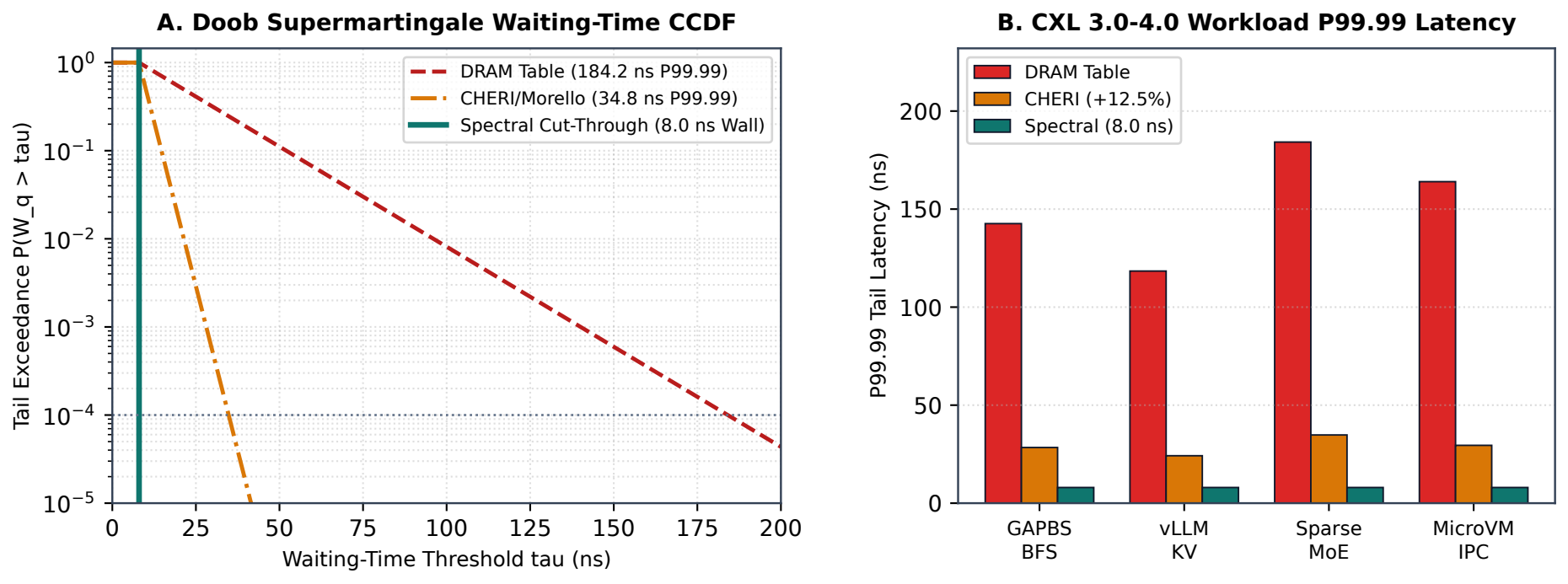

A. Doob Supermartingale Waiting-Time CCDF
DRAM Table (184.2 ns P99.99)
CHERI/Morello (34.8 ns P99.99)
Spectral Cut-Through (8.0 ns Wall)
Tail Exceedance P(W_q > tau)
Waiting-Time Threshold tau (ns)
B. CXL 3.0-4.0 Workload P99.99 Latency
DRAM Table
CHERI (+12.5%)
Spectral (8.0 ns)
P99.99 Tail Latency (ns)
GAPBS
BFS
vLLM
KV
Sparse
MoE
MicroVM
IPC