Titan (Cray XK7); 1 MPI rank/core; δ=ηx10; ULFM MPI, uGNI/SM transports, Tuned collective module
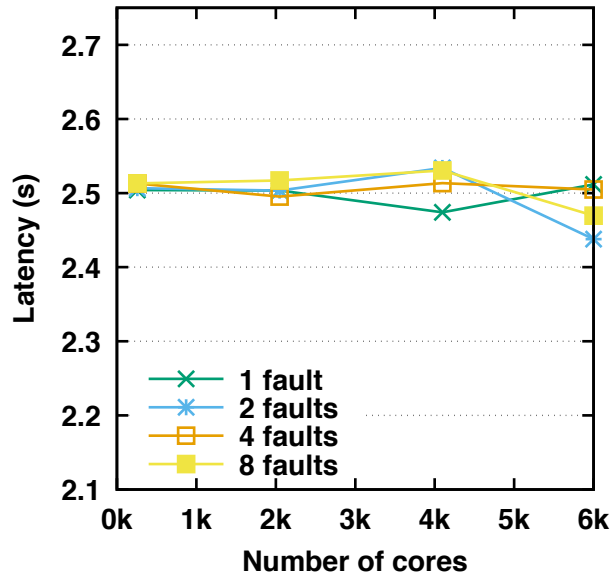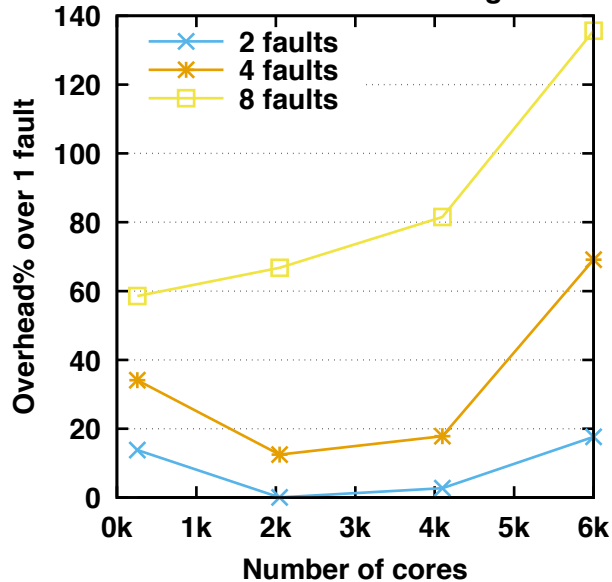
Stabilization delay δ=2.5s

Latency (s) vs Number of cores

- 1 fault
- 2 faults
- 4 faults
- 8 faults

Reliable Broadcast and Congestions

Overhead% over 1 fault vs Number of cores

- 2 faults
- 4 faults
- 8 faults

Agreement with Detected Failures

Latency (ms) vs Number of failures

- 6,000 cores