QR Factorization Performance Problem Size (N) 0k 4k 8k 12k 16k 20k 24k 28k 32k 700 ScaLAPACK (Open MPI) 600 ScaLAPACK (ULFM MPI) Performance (Gflop/s) **ABFT (Open MPI)** 500 ABFT (ULFM MPI) 400 300 200 100 16 32 64 80 96 Number of Processes