Allocate and Free default malloc 1600 jemalloc nvm_malloc 1400 nvm_malloc with CLFLUSHOPT nvm_malloc with CLWB nvm_malloc no fences 1200 nvm_malloc no flushes nvm_malloc no fences/flushes 1000 pmcto_malloc Time in ms pmobj_malloc 800 600 400 200 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 Parallel Threads