Dirac operator - Daint (64x32x32x64 periodic global lattice, 128x64x64x64 C* global lattice) ideal scaling ideal scaling 1024 10^{0} **GPU** periodic GPU periodic 512 -**GPU C*** GPU C* CPU periodic CPU periodic 256 -CPU C* CPU C* 10^{-1} 128 average time [sec] 64 10^{-2} speedup 32 -16 10^{-3} 8 4 10^{-4} 2 256 512 1024 256 512 1024 128 128 64 64 number of GPUs/nodes number of GPUs/nodes