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Accelerating twisted mass LQCD with QPhiX

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We present the implementation of twisted mass fermions within the QPhiX code package along with an interface to tmLQCD. We analyze the performance on Intel Xeon Phis and Intel Xeon Haswell CPUs. On the latter we find a speedup of larger than 4x for the mixed precision conjugate gradient inverter.

Primary author: Dr SCHROECK, Mario (INFN - Roma Tre)

Co-authors: Dr STRELCHENKO, Alexei (Fermi National Accelerator Laboratory);   Prof. SIMULA, Silvano (INFN - Roma Tre)

Presenter: Dr SCHROECK, Mario (INFN - Roma Tre)

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