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Scaling study of an improved fermion action on quenched lattices

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We present scaling studies for heavy-quark observables calculated with an $O(a^2)$ -improved fermion action on tree-level Symanzik improved gauge configurations. Lattices of $1/a = 2.0$ - 3.7 GeV with an equal physical volume ~ 1.6 fm are used. The results are compared with the standard domain-wall and naive Wilson fermions.

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