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Strange nucleon form factors with $N_f = 2 + 1$ O(a)-improved Wilson fermions

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We present preliminary results for strange form factors of the nucleon computed on the CLS ensembles with $N_f=2+1$ flavours of O(a)-improved Wilson fermions. Our calculations are performed at two values of the lattice spacing ($a\in\{0.064,0.086\}$ fm) at a pion mass of $280\,\mathrm{MeV}$. The determination of strange form factors proceeds by computing quark-disconnected diagrams, for which we employ hierarchical probing in four dimensions, in order to deal with this most challenging part of the calculation. Furthermore, we investigate several source-sink separations to check on excited-state contamination.

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