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RG running from step-scaling matrices in ☒SF schemes for Δ☒ = 2 Four-Fermion Operators

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We present preliminary results for the Renormalization Group (RG) running of the complete basis of $\Delta F = 2$ four-fermion operators in QCD with $N_{\rm f} = 3$ dynamical massless flavors. We use $O(a)$-improved Wilson fermions in a mixed action setup, with chirally rotated Schrödinger functional (☒SF) boundary conditions for the valence quarks and Schrödinger functional (SF) boundary conditions for the sea quarks. New results are shown for several renormalised couplings, spanning a range of low energy scales Λ_{QCD}
$lesssim\mu$
$lesssim$2GeV. They complement the results presented in ref.[1] for high energy scales 2GeV
$lesssim\mu$
$lesssim$100 GeV; for this range results at a new value of the gauge coupling have also been added.

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