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Simulations at fixed topology: fixed topology versus ordinary finite volume corrections

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Lattice QCD simulations tend to become stuck in a single topological sector at fine lattice spacing, or when using chirally symmetric overlap quarks. In such cases computed observables differ from their full QCD counterparts by finite volume corrections, which need to be understood on a quantitative level. We discuss extensions of existing relations from the literature between correlation functions at fixed topology and hadron masses at unfixed topology including parity mixing. Particular focus is put on combining topological finite volume effects with ordinary finite volume effects. Numerical results for SU(2) Yang-Mills Theory will be presented

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