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Exploring distillation at the $SU(3)$ flavour symmetric point

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In this talk we present an exact distillation setup with stabilised Wilson fermions at the $SU(3)$ flavour symmetric point utilising the flexibility of the Grid and Hadrons software libraries. This work is a stepping stone towards the non-perturbative investigation of hadronic D-decays where we need to control the multi-hadron final states. As a first step we study two-to-two s-wave scattering of pseudoscalar mesons. In particular we examine the reliability of the extraction of finite volume energies as a function of the number of eigenvectors of the gauge-covariant Laplacian entering our distillation setup.

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