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Direct calculation of trace anomaly on CLQCD ensembles

In this work we present the direct calculation of trace anomaly matrix elements $\hat{\beta}\langle\text{Tr}[g^2 F^2]\rangle_H$ in kinds of baryons on the CLQCD ensembles, and compare with those from the sum rule. We also make a joint fit of 30 hadrons to extract the anomalous dimensions $\hat{\beta}$ and γ_m in the Wilson flow scheme at different energy scales.

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