

Strangeness Magnetic Moment from the Stochastic Estimator

Presenter: Shao-Jing Dong (University of Kentucky)

S.J. Dong, N. Mathur, A. Alexandru, M. Deka, T. Draper, I. Horvath, K.F. Liu, and T. Streuer

Abstract: Strangeness magnetic moment can be obtained from the disconnected insertion in the nucleon three-point function with the vector current. We shall use the Z_2 noise with unbiased subtraction to calculate it. Special emphasis is placed on the interplay between the number of noise vectors and the number of gauge configurations to find an optimal choice. Preliminary results with Wilson fermion on $16^3 \times 24$ lattice at $\beta = 6.0$ will be presented.