## Approaching Continuum limits of Strange Parton Distribution Functions in Lattice QCD

We present preliminary lattice QCD calculations of the unpolarized and polarized distributions of the strange quark using the LaMET method. We use three  $N_f = 2 + 1 + 1$  HISQ ensembles generated by MILC collaboration at lattice spacings  $a \approx 0.09, 0.12$  and 0.15 fm, and clover valence fermions with two valence pion masses: 310 and 690 MeV. We use momentum-smeared sources to improve the signal up to nucleon boost momentum  $P_z = 2.15$  GeV, and determine nonperturbative renormalization factors in RI/MOM scheme. We compare our results with the matrix elements obtained from matching the PDFs from CT18NNLO and NNPDF3.1NNLO global fits.

Authors: MONDAL, Santanu (Michigan State University); LIN, Huey-Wen (Michigan State University); YOON, Boram (Los Alamos National Laboratory)

Presenter: MONDAL, Santanu (Michigan State University)

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