Meson TMDs - LQCD

- TMDs are not *directly* computable on a Euclidean lattice.
- But.... Can compute matrix elements that *can* related to TMDs. (a) B.Mysch et al., Phys.Rev.D 85 (2012) 094510





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Meson TMDs - LQCD



Emphasis on rigorous implementation, e.g. within LaMET approach LPC, arXiv:2211.02340; determination of Collins-Soper Kernel, e.g. Hsu et al, arXiv:2302.06502.

HadStruc: current emphasis on GPDs within short-distance factorization, but method extendable to TMDs. Pion: calculation of x-dependent Pion DAs (D. Kovner, GHP).



