## Meson TMDs - LQCD

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


LaMET/Short-distance factorization

HadStruc: SDF for pion arXiv:2204.00543, arXiv:2001.04960....

TMDs


## 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).

