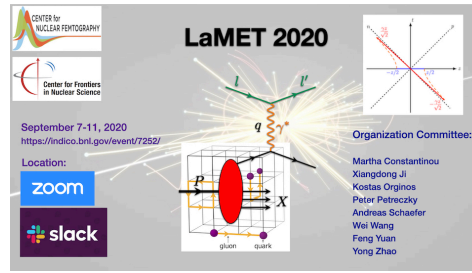Contribution ID: **26**   Type: **not specified**

TMD parton densities from LaMET

Monday 7 September 2020 10:00 (30 minutes)

TMD parton densities are important for its theoretical value and for better understanding of Hadron structure. The first principle calculation of them from LaMET framework turns out to be non-trivial due to problems caused by soft function subtraction. In this talk I will talk about recent progress on lattice calculation of TMD soft functions and parton densities from the LaMET framework. I will show that the TMD soft function in off-light-cone regularization scheme can be extracted from heavy or light meson form factors, and with the help of the soft function, the universal scheme independent TMD-PDFs cane be obtained once combining them with lattice calculable quasi-TMD PDFs.

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Session Classification: Session I