

## The 126th HENPIC seminar by Prof. Xiaohui Liu 刘晓辉 (Beijing Normal U.), Oct. 29, 2020, Thursday, 10:30 am (UTC+8)

Talk title: Jets/event shapes for matter inner structures

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Speaker: Prof. Xiaohui Liu, Beijing Normal University

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Abstract: Jet and its many guises (event shapes, boosted hadrons, ...) are important tools for revealing QCD dynamics at high energy colliders. Recently, there have been growing interests in probing nucleon/nuclei internal structures using jets. In this talk, I will briefly review the concept of the jets from a perturbative QCD perspective and compare the advantages of the jets and event shapes. I will present some recent theoretical developments in jets/event shapes relevant to EIC physics.

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Self-introduction: Xiaohui Liu is currently an assistant Professor at Beijing Normal University and a junior scholar at the high energy physics center of Peking University. His main interest is to develop precision frameworks/predictions for collider phenomenologies out of the pQCD first principles.

**Presenter:** Prof. LIU, Xiaohui