

Measurement of Event Shape Observables with H1 at HERA

Event shape observables are inclusive observables that probe QCD at a variety of scales. In particular, they provide a theoretically well-controlled and improvable window into the evolution of jets. In this talk, recent high Q^2 event shape measurements by the H1 collaboration will be presented. These results include a triple-differential measurement of the 1-Jettiness event shape observable, as well as the first measurement of groomed event shapes. Variation of grooming parameters and comparison to ungroomed measurements enable a systematic study of the interplay between the perturbative and non-perturbative regimes in jets. Additionally, the H1 measurements are compared to several predictions from MC event generators, as well as analytic calculations.

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