

Beyond collinear fragmentation

Wednesday 19 March 2025 10:45 (45 minutes)

Going beyond the inclusive hadron spectrum described by the collinear fragmentation functions, I want to discuss a range of topics:

- (i) the effect of kinematic cuts on the fragmentation spectrum (featuring fragmenting jet functions),
- (ii) transverse-momentum dependent (TMD) fragmentation,
- (iii) TMD fragmentation with respect to recoil-free axes (and its connection to energy correlators),
- (iv) generalized fragmentation functions that enter the description of fractal jet observables.

Author: WAALEWIJN, Wouter (University of Amsterdam)

Presenter: WAALEWIJN, Wouter (University of Amsterdam)