

TMD fragmentation in jets

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We study the transverse momentum dependence of hadrons fragmenting inside jets. By measuring the transverse momentum with respect to a judiciously chosen axis (not the standard jet axis), the measurement is insensitive to soft radiation. Furthermore, for small transverse momenta the effects of the jet boundaries can be factorized, leading to a TMD fragmentation function. This TMD fragmentation function is universal, i.e. it is independent of the number of jets and appears in pp, ep and ee collisions.

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