Abstract

Fragmentation functions describe the fragmentation of quarks (and gluons) into hadrons (hadronization). We outline the matrix element formalism of fragmentation functions and the systematic method of obtaining different functions. We limit ourselves only to leading twist functions. We discuss a method of obtaining sum rules when we weigh fragmentation functions for different observables. Examples of well known sum rules are given. Finally we give a short discussion on problems arising, which prevent us to use event shapes as weights.