

Resummation in Heavy Quarkonium Production

Tuesday, 26 November 2019 10:00 (20 minutes)

We discuss resummation of large logarithms in heavy quarkonium production cross sections. Due to the nonrelativistic nature of heavy quarkonium states, nonperturbative matrix elements of heavy quarkonia can involve singular distributions. In such cases, standard methods of solving evolution equations can lead to nonconverging integrals or series. We discuss methods to overcome these difficulties and obtain resummed cross sections in heavy quarkonium inclusive and exclusive production processes.

Primary author: CHUNG, Hee Sok (Technical University of Munich)

Presenter: CHUNG, Hee Sok (Technical University of Munich)

Session Classification: Tuesday 1