

Homework Exercises for QCD and Collider Physics

2005/2006

Exercises for Lecture 6 (14. Dec 2005)

Calculation for small x evolution equations:

- Calculate the same gluon distribution using the integral equation with Sudakov form factors. use simple sudakov with $1/(1-z)$ terms only and compare it using the full splitting fct
- calculate non-sudakov form factor without imposing the consistency constraint. Use the arguments of KMS in PRD 52 (1995) 1445.