

5 Exercises for the fifth lecture day of the course on quantum field theory

5.1 Exercise 1

This exercise is an important (!!!) follow up on the previous lecture. Carefully read and study the whole of chapter 8 (p. 127-160) in Mandl and Shaw. Choose a (= a single one, excluding pair production which was done in the lecture) process (Bhabha, Compton, scattering in an external electro-magnetic field, ...) and do the full calculation explicitly by yourself.

5.2 Exercise 2

For your general education: read chapter 9 in Mandl and Shaw.