

PHY 5669 : Quantum Field Theory B, Spring 2016

April 1st, 2016

Assignment # 5

(due Tuesday April 19th, 2016)

1. Problem 17.2 of Peskin and Schroeder's book.

(**Note:** the problem refers you to techniques that have been explained in the *Final Project* at the end of Part 1 of the book. Since that Project does not assume any knowledge of QCD, it might be confusing now that you know QCD. I suggest you read it, but do not feel that you have to use it. It might help in getting the form of the differential cross section in x_1 and x_2 more easily.)

2. Problem 17.3 of Peskin and Schroeder's book.