

Homework Set #2.

Due Date: Monday October 26, 2009

Solve the following exercises

1. Peskin & Schroeder, Problem 3.2 (Prove Gordon Identity)
2. Peskin & Schroeder, Problem 3.7 (b) (CPT operators for KG field)
3. Peskin & Schroeder, Problem 3.7 (c) (CPT theorem for Lorentz-invariant scalar+fermion theory)
4. Peskin & Schroeder, Problem 3.8 (a) (P and C quantum numbers of positronium)
5. Peskin & Schroeder, Problem 3.8 (b) (positronium selection rules)