

Physics 752, Elementary Particles II, Spring 2007, O.W. Greenberg

Homework: Assignment 1, due 2/2/07

1. Write down the states of the nucleon octet using the bose operators.
2. Complete the analysis of the J^P, I, Y states in the 56, 70, and 20 constructed from 3 quarks each in the 6 of $SU(6)$.
3. Work out the list of states labeled by J^P, I, Y in the P -wave first excited baryons.