

Physics 221A
Fall 2016
Homework 2
Due Friday, September 9, 2016

Reading Assignment: Notes 1, pp. 19–30, Notes 2, entire. Supplementary reading: Commins Sec. 3.2 contains material on photon polarization that is similar to the presentation of the Stern-Gerlach experiment in Notes 2. The photo experiments are much easier to carry out experimentally, but the x , y and z directions are not in real space, but rather on the Poincaré sphere.

Please do Problems 1.5, 2.2, 2.3 and 2.4.