

PHYS598 AQG, Fall 2017

Homework Set #5, due by 4:30 pm on Friday 11/3

Q1) [4 pts] **Foot Exercise 9.8 – “*Laser cooling a trapped ion*”**

Note that this setup involves only a single laser beam

Q2) [3 pts] **Foot Exercise 9.12 – “*Optical absorption by cold atoms in a MOT*”**

Q3) [3 pts] **Foot Exercise 9.16 – “*An optical lattice*”**