HW #7 (221A), due April 5, 5pm

1. Lookup levels of $^{210}$Po (e.g. in “Table of isotopes”) and discuss the low-lying excitations using the shell model.

2. Identify low-lying levels in $^{14}$C, $^{14}$N, and $^{14}$O that correspond to $I = 0$ and $I = 1$ multiplets.