

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.