LIST OF TABLES

1. Calculated Ground State Occupancies of f-p-g shell nuclei.

2. Experimental Ground State Occupancies of f-p-g shell nuclei.

3. Moments calculated by various approximations.

4. Root mean squared deviations of the calculated eigenvalues from the given eigenvalues.

5. Ground State Energy corrections using $S_1(E)$ and $S_2(E)$ in scalar and configuration space.