

Problem Set 4 — due Feb. 18

1. (10 pts) Problem 3.4 of Bettini. (The answers are in the back of the book; but understand the reasons and put the answers in your own words.)
2. (10 pts) Problem 3.5 of Bettini. (It's enough to give one reason, if a reaction is forbidden.)
3. (5 pts) Problem 3.6 of Bettini. (Why there are so few decay modes for the neutron.)
4. (5 pts) Problem 3.7 of Bettini.