

**Physics 221B**  
**Spring 2018**  
**Homework 15**  
**Due Friday, January 19, 2018 at 6pm**

**Reading Assignment:** This homework covers identical particles, a topic covered in lecture last semester but not in homework. Therefore please read Notes 28 entire, if you have not done so already, and see Commins, Secs. 11.1–11.3 for supplemental information. If you were not enrolled in Physics 221A last semester, you do not need to do this homework.

Students who are taking prelims next weekend (Jan. 20–21) may have an extra week to turn in this homework (until Friday, Jan. 26). But note that there will be another homework assignment next week, also due on Jan. 26.

Please do problems 28.1 and 28.3.