

Names: \_\_\_\_\_  
\_\_\_\_\_

PHYS 7501, FS 2017

**Group Activity 14**

**Due:** In class, October 31<sup>st</sup>

1. Which of these reaction types is likely to be direct (or not)? Why?
  - a.  $(d,p)$
  - b.  $(\alpha,n)$
  - c.  $(p,\gamma)$
  
2. At which angle should the  $l = 2$  protons be maximized for  $^{90}\text{Zr}(d,p)$  with 5MeV incident deuterons?