

Names: \_\_\_\_\_  
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PHYS 7501, FS 2021

**Group Activity 14**

**Due:** In class, October 19<sup>th</sup>

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