

Nuclear Lunch questions
Stretched States in $^{12,13}\text{B}$ with the (d,α) reaction
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- 1: What d-transfer reactions are studied and why are they useful? What is specific about (d,α) ? **Linda**
- 2: What is the purpose of studying these reactions? What information do we obtain from these reactions? **Nick**
- 3: What are isospin and angular momentum couplings relevant for deuteron? **Mamun**
- 4: Why are states of highest angular momentum of the removed neutron and proton favored in (d,α) reactions? **Sudhanva**
- 5: What is the significance of -1 in $(p f_{7/2}^{-1})^8$ state?(Shown in slide 1) or -2 in $(0p_{3/2}^{-2})^{3+}$? **Taya**
- 6: What is a Sputter Source? **Cody**
- 7: In fig 5, one can see the curves (solid lines) in the three plots (a), (b) and (c). They refer them as the expected shapes for single l values. How can those curves be explained? What is the “expected” theoretical background here? **Tyler**