

Nuclear lunch questions for 4/4/2012

- (1) Can you accelerate a neutron beam? How? **Bing**
- (2) How do you create a plasma? What size is it? Does size of plasma also effect the energy or intensity of the accelerated beam? **Harsha**
- (3) Why does heating the target to 400 degrees Celsius produce much heavier ions? **Azamat**
- (4) What is the maximum speed of the electron in the plasma wave that can be achieved? How long is it possible to maintain plasma needed for that speed? **Sushil**
- (5) How efficient are the plasma accelerators? What parameters can impact the efficiency? **Arbin**
- (6) Which particles can be accelerate using LPA? Can we use atoms? **Bijaya**
- (7) What is the Ponderomotive force? How exactly does it accelerate the electrons? **Brian**
- (8) What is the advantage of plasma accelerating method compared to other accelerator for experiments? **Youngshin**