Quarknet Particle Physics Workshop

Goal: Recruitment into our center, sharing particle physics value, maintain light and humorous

Registration form: How much physics / modern physics / particle physics do you know?

Schedule:

9AM Meet and Greet, Demo (super conductivity)

9:30AM Intro lecture – particle

Basic definitions, sense of unanswered questions in physics, pedagogical value

10:00AM Build your own cloud chamber, Cloud chamber debrief

10:30AM Introduce Indirect Measurement Activity – Rolling for Rutherford

11:30AM Lunch

12:00PM Brown Bag Lecture by Mentor - Josh

1:00 PM Break-out sessions

Particle Adventure – (Mike & Tom)

~~BC Jigsaw~~

~~Target Toss~~

Fun physics Friday – present an activity (Maria)

~~GPS Activity~~

Engineering Activities (Hank)

~~Z-mass~~

~~New modern physics topic (super conductivity, modern physics)?~~

2:00PM Break-out session debrief – How can we use this in our classroom? Unit/Sprinkle

3:00PM Quarknet Talk and Exit Survey

Advertising/Enticement?

Professional Development Hours, Big Idea 7 (AP2)

Target W&M local teachers