QuarkNet Agenda Summer 2014

**Monday Aug 4**

9:00 AM – 12:00 pm

Prep for workshop on Tuesday

Practice talks

Josh – we will have a couple of new folks during that time, could you have a second room in which you give them an introduction to the standard model talk while the rest of us prep?

1:00 PM – 4:00 pm

Update Profiles!!!

Discussion – Participation in Summer AAPT 2015 at Maryland

Showing of Particle Fever

Particle Physics Activities discussion

**Tuesday Aug 5**

Workshop – Introduction to Particle Physics

Workshop Schedule:

9AM Meet and Greet, Demo (Tesla Coil)

9:30AM Intro lecture – particle – Laura A

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

10:00AM Cloud Chamber DEMO; Cloud chamber & Bubble Chamber debrief – Tom G

11:00AM Introduce Indirect Measurement Activity – Target Toss - Joe

11:30AM Lunch

11:55AM Break-out intro

12:00PM Brown Bag Lecture by Mentor - Josh

1:00 PM Sessions -

Particle Adventure – (Mike & Tom)

Anatomy of a Detector (Deborah)

Fun physics Friday – present an activity (Maria)

Z – mass activity (Mike)

2:30PM – 2:45PM Coffee and chat – lead in to debrief

2:45PM Break-out session debrief – How can we use this in our classroom?  Unit/Sprinkle

                Group sharing about how to implement in their own class, sharing out of the various ideas

3:30PM QuarkNet Talk and Exit Survey   - Deborah makes the survey

Enticement

**Wednesday Aug 6**

AM

Camillo talk – Neutrino research

Preparing for AP Physics 1 and AP Physics 2

Inquiry labs for AP Physics 1 & 2 – I can bring a couple, but it would be great if others could share.  There has been a request for labs on force &/or energy

Lunch

PM

1 pm Vidyo with Ken Cecire

Josh talk – cosmology dark matter/dark energy