Questions for Nuclear Lunch on

“Precision Measurement of the Magnetic and Electric Form Factors”

1. What is the significance of measuring the form factors? **Arbin**
2. How do the A1 collaboration spectrometers work? Are they sensitive to the beam parameters such as energy, current or degree of polarization? **Harsha**
3. What is in the comment to the paper? What is in the reply? **Bijaya**
4. How does the change in number of detected events get compensated for the change in detector solid angle (acceptance)? How does Omega change when considering different portions of the graph {Fig. 1} and how can they guarantee that it changes by the correct amount? **Shamin**
5. Why is there a tail of events to the right of the elastic peak on figure 1? How do they decide what energy range to select in figure 1? **Sushil**
6. What is the direct direct signal for a pion cloud in the form factor hypothesized on the basis of pre-2003 data the authors talk about? **Cody**
7. What is the comment on the “wiggle” and the normalization of Gm saying? **Bing**
8. Why can’t the cross section be measured with a statistical accuracy better than 0.2%? Why can’t the cross section be measured with a systematic accuracy better than 1%? **Anthony**
9. In figure 1 how do we interpret the negative number of counts? **Azamat**