Minutes of the bi-weekly Hall A G_E^n meeting
January 7, 2004

Present: Kathy McCormick, Bogdan Wojtsekhowski, Todd Averett, Eugene Chudakov, Doug Higinbotham

1. Polarized Target (Bogdan, Todd, Kathy)
   - The target magnet box will arrive on-site the first week of February. Where we are going to set it up is still an issue. Bogdan is looking into it, but we may have to formally request some more space.
     - The most important item related to the magnet box is which power supply will be used and how well will we be able to regulate the field stability?
     - The resistance of the coils needs to be measured
   - Gordon made a hybrid cell with a large pumping chamber. It was too large for their oven, so they are having a new oven built. We will have to do the same for our oven here on-site.
   - Discussion ensues over the spikes seen during frequency sweep NMR. Bogdan suggests several remedies, like a frequency doubler and electronics changes to the function generator.
   - The issue of field direction measurement came up. There's some interest in having a mini-workshop on this subject. How are people in other fields (e.g. geology) doing these types of measurements?
2. Neutron Detector (Bogdan)
   - 27 UVA bars were transferred from Hall C to Hall A. We now have 69 out of 79 UVA bars. Their refurbishing is continuing, and on track to be finished in a couple of months.
   - The design of the neutron detector is ongoing.
3. Bigbite (Doug)
   The track for the BB stand to ride on has arrived at the lab. A motion mechanism needs to be developed, probably along the lines of some jacks to pull the stand along.
4. Readiness Review
   We need to get busy planning for the first Readiness Review of the experiment, which should occur in Feb./March of this year.
5. GEANT Simulation of Bigbite and the detector stand (Eugene)
   Eugene presented the geometry that he has put into GEANT for the Bigbite simulation. There is a calculated field map from Vladimir included. He will add the polarized target to the model, then start generating events.