Minutes of the SANE
preparation meeting
August 24, 2007

- BigCal calibration:
  1. One primary calibration is scheduled with plans to illuminate most of the detector.
  2. Discussed possibility of an additional calibration. Only a few hours would be needed to calibrate with elastic as long as we only want to illuminate the central blocks. The calibration of the central blocks with e-p elastic coincidences would be done only as a potential end-of-run calibration, for which we would need to use two shifts from the final configuration (parallel asymmetry data at 6 GeV). Data taking would involve about one shift and the other shift would be needed to change the number of passes from 5- to 2-pass beam.
  3. Only energy we can use for elastic is 2.4 GeV.
  4. Peter : pi0 calibration would be more reliable than eP elastic.
- Oscar discusses some anomolies with the spin rotation calculator at clasweb.jlab.org/beamline.
- 5T Target field falls to about 10 g at phototubes. Can be as large as 30 g at the lucite PMT. Oscar has spreadsheet to calculate.
- If it is found to be needed to protect the PMTs from the stray field, a box fully enclosing BigCal (4 walls, floor and roof) would be made of Fe >= 6 mm thick.
- Zein-Eddine : Cerenkov ready for test in March in real configuration. Tank can be here in Jan., optics will be tested at Temple, don't need to be tested in the hall. Gas system also tested at Temple. Expert undergrad at Temple.
- Mounting Forward Tracker: Peter suggests putting it directly on can. Have to clear with safety and M. Seely. But this would complicate rotations during the experiment. Ultimately will leave decision to Mike.

- Installation:

    1. Regarding time needed to let GEPIII activation cool down: Walter says 1 week is plenty of time and there is many other things we can do this week. Last time they let the target sit for two weeks, but there was no rush to access the target then.
    2. Walter questions where the roots pumps are. Do we have any spares? They can develop many problems in storage so they will need to be tested early. We plan to setup in the EEL and run Nov to Dec. break.
    3. Walter can do the lower platform work in Jan., or perhaps in March. Most likely it will be finished by Feb. The hall is open till Mid March so can be installed until then.
    4. Class 3 lasers not a safety concern in Hall. They can be used for alignment without obtaining special clearance.
    5. 3 days is plenty for upper platform.
    6. 5 days enough for helium bag and downstream beamline.
    7. Frank: SEM may perhaps be installed before the platform.
    8. Shielding: Should be predesigned in box (aluminum?) and bolted to floor. Walter: Lab takes care of this, cassettes go out for bid. Peter, Walter and Bert will meet to discuss next week.
    9. Previous use of the platform extension to support shielding was not up to safety standards. This extension will probably be removed for cerenkov anyway.
    10. Crane: Not needed very much for the target work.
    11. FPP : All work but hut and cables is done by Walter's crew.
    12. Mark: Very unlikely GEPIII will need time after the experiment for additional calibrations/surveys etc. They aim to do all this during March.