Minutes of the CC Meeting, 5 November 1997

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This document contains the minutes from the most recent meeting of the Hall A Coordinating Committee. Sentences appearing in *italicized text* contain related information which was not discussed or available during the CC meeting.

1 Introduction

The CC meeting was convened at 2:30 PM, Wednesday 5 November, Mike Finn presiding. Present were Mike Finn, Kees de Jager, Pascal Vernin, Pierre Bertin, and Jeff Templon.

2 Hall Status (K. de Jager)

The cryotarget installation and commissioning went very smoothly. The results of the boiling tests at 100 μA were very encouraging (3% effect, as expected.) Since commissioning, the target has operated in an essentially glitch-free mode. Jian-Ping Chen and the cryotarget team are to be congratulated for a job extremely well done.

The e-d elastic scattering measurement (91-026) was started on time, but without having done the planned parity or VCS commissioning tests (*the VCS tests have since been performed, and went extremely well*). 91-026 was on schedule as of 5 November; the back-angle data points had been taken, as well as the low-q forward-angle data, leaving the $A(Q^2)$ measurement to be done. The only significant difficulty encountered so far has been the apparent radiation-sensitivity of some of the controls components, which caused downtime for the forward-angle part of the experiment.

3 Planned Schedule in Hall A

Expt. 91-026 is planned to run until 16 December. The parity experiment will receive some commissioning beamtime during this period. The "parity dress rehearsal" will take place from 17 to 25 December.

The 1998 run schedule is summarized below, but colleagues are advised to visit the schedule web page (`http://www.jlab.org/exp_prog/experiment_schedule/`) and *especially* to carefully read the associated memo (`http://www.jlab.org/exp_prog/experiment_schedule/temp/footnotes.html`).

The Hall will see no beam in January and February, during which time the Compton polarimeter will be installed. After this period, there will be ten days of commissioning, after which first VCS (93-050) and then parity (91-010) will each run for one month of calendar time. The G_E^p experiment will follow and will run until 1 July.

From July 1 until the end of the year, the strained GaAs cathode will be used in the source, and Hall C will have first priority. Both Halls A and B want beam in this period, but there are problems with delivery of beams of good polarization to three simultaneous Halls, as well as with delivery of intense beams to Hall A from this source. Therefore beam delivery to Hall A will be constrained by the GaAs cathode lifetime. The following is taken from the scheduling memo discussed above:

> The maximum current delivered to Hall A will be restricted to a value such that the photocathode's operational lifetime is no less than 48 hours. If this cannot be done with reasonable current delivery to Hall A, then the Hall A running will be cancelled.

The Accelerator Operations group fully expects to be able to deliver beam to Hall A subject to these constraints, but users should be aware of the policy.

Subject to the above constraints, after July 1 there will be ten days of commissioning, then a period of one month with no beam, then the G_E^p experiment will resume and is scheduled for completion by the second half of August. At this time, the polarized ^{3}He target will be installed, and the q^2-evolution GDH (94-010) experiment will run until Christmas 1998.

The planned schedule for 1999:

- complete parity experiment
- deuteron photodisintegration (89-019)
- August 1: install high-power helium target, and run relevant experiments (*e.g.* 89-044, 91-004) until the end of the year. This takes advantage of Hall C's schedule, which calls for running hypernuclear-spectroscopy experiments which require less cooling power from the endstation refrigerator (ESR). Until the ESR has been upgraded, the high-power helium target can only be run when one of the other Halls runs in a reduced-consumption mode.

Finally, the mapping of the arc dipoles, which had been planned for winter '97 shutdown, has been moved to July 1998 due to conflicts with other work.

4 Report from CEBAF Board of Directors Meeting (Finn)

- Betsy Beise is interested in contacts with other people interested in "outreach" projects. Apparently, the electron-scattering community is poorly represented. (*My understanding is that things like the DNP glossy brochure, which explains nuclear physics to the layperson, are among the outreach projects.*)
- the BOD noted that at the Whistler Meeting, the FPP presentations from Hall A were extremely well received.
- concerns were expressed about ability to run Hall A in the second half of '98. Cardman, de Jager, Sinclair et al expressed their confidence that there will be beam in Hall A.
- High-Energy Upgrade for JLab — there will be a workshop on "Physics at 8 GeV and Beyond" this summer, and plans were discussed at the BOD meeting. It is hoped that the workshop will result in some answers to questions such as
  - what equipment upgrades would each Hall need/desire?
  - should there be a Hall D associated with the higher energies? What would go into Hall D?

  A Hall A physics working group will be started on 6-8 GeV physics, and will organize a session at the next collaboration meeting. Interested parties should contact the CC. **People are needed to make this happen!**

5 Collaboration Membership Issues

- CC is doing "spring cleaning" of the Collaboration membership list; some of the names on the list are of people whose presence in Hall A has never been verified, and some people who obviously should be members are not on the list.
- a list of people who have been nominated for Collaboration membership was presented and discussed.

6 Next Collaboration Meeting

The next full meeting of the Collaboration will take place at Jefferson Lab on 2, 3, and 4 April 1998. The workshop on 6-8 Gev Physics in Hall A will be part of this meeting, and an update is expected from the VCS experiment, which will be nearly finished at that time.

7 Future of the Collaboration

The CC is working on appointing a committee which will generate suggestions on charter changes, or perhaps a new charter, for the Hall A Collaboration. The CC will gladly accept nominations for this committee, and it is hoped that the committee will be in place by 1 December. A report by this committee is planned for the April '98 Collaboration Meeting.

8 Miscellany

Several talks have been presented on Collaboration experiments in the past few months:

- Two talks by the MIT group at the Whistler meeting
- Two talks by the FPP group at the Whistler meeting
- Mark Jones presented a talk at the "Intersections" meeting
- Meme Liang presented a talk, and Paul Rutt a poster, at the Santorini meeting

Ole Hansen has been named the official "Hall A Webmaster". If you have something (a page or a link to a page) that you want put on the Hall A Web System, contact Ole (ole@cebaf.gov).

The CC meeting was adjourned sometime around 4:00 PM.

Respectfully Submitted, J. Templon, secretary.