# GlueX Collaboration Meeting

Indiana University – Bloomington, IN

*Indiana University Cyclotron Facility*

May 20-22, 2004

*Ver1.4 Draft of May 13, 2004*

**Thursday, May 20**

The entire day will be plenary

07:30 – 08:45 - Meeting with IUCF Director John Cameron and members of the IUCF staff working on the solenoid. GlueX participants: Paul Brindza, Alex Dzierba, Curtis Meyer and Elton Smith.

08:30 – 09:00 - Registration

| **Plenary Session** | | |
|---|---|---|
| **Time** | **Speaker** | **Topic** |
| 09:00 – 09:30 | A. Dzierba | (1) Goals for the meeting (2) Moving on to the detector review |
| 09:30 – 10:00 | G. Lolos | (1) Issues to be discussed by the CB and input from collaboration (2) Preparation of MOU's (3) Recruiting new members |
| 10:00 – 10:30 | T. Barnes | Theory group issues: (1) Theory review (2) Expanding the theory goals of GlueX (3) Phenomenology and analysis |
| 10:30 – 11:00 | *Coffee break* | |
| 11:00 – 11:30 | E. Smith | (1) JLab preparations for GlueX and upgrade (2) Budget for the coming year |
| 11:30 – 12:00 | C. Meyer | Detector and integration issues – an overview |
| 12:00 – 12:30 | P. Brindza | Status of the solenoid and schedule for further work |
| 12:30 – 13:00 | *Lunch* | |
| 13:00 – 13:30 | R. Jones or other | Recent developments in chaneling radiation |
| 13:30 – 14:00 | R. Jones | (1) Active collimator (2) MC background estimates |
| 14:00 – 14:30 | J. Kellie | (1) Tagger magnet (2) Coherent bremssstrahlung status |
| 14:30 – 15:00 | Z. Papandreou | Portals |
| 15:00 – 15:30 | A. Szczepaniak | Phenomenology and amplitude analysis |
| 15:30 – 16:00 | *Coffee break* | |
| 16:00 – 16:15 | M. Swat | Improving PWA algorithms |
| 16:15 – 16:30 | R. Mitchell | High statistics 3π analysis summary |
| 16:30 – 16:50 | P. Smith | Electronics issues: (1) Status (2) Need for personnel |
| 16:50 – 17:10 | T. Smith | Results on FADC testing |
| 17:10 – 17:30 | F. Barbosa | Update on electronics and F1/TDC |
| 17:30 – 19:00 | *Reception* | |

**Friday, May 20 Morning**

Parallel sessions:

(I) Theory issues and (II) Detector status and detector issues

| **Theory Session** | | |
|---|---|---|
| **Time** | **Speaker** | **Topic** |
| 08:30 – 12:30 | T. Barnes and A. Szczepaniak | Will organize this session to cover (1) Review of GlueX physics topics (2) Theory review (3) Phenomenology and analysis (4) Future workshops (5) Funding |
| 12:30 – 13:30 | *Lunch* | |

| Hardware for GlueX | | |
|---|---|---|
| **Time** | **Speaker** | **Topic** |
| 08:30 – 08:50 | G. Lolos | Barrel calorimeter status |
| 08:50 – 09:10 | S. Teige | Forward calorimeter status |
| 09:10 – 09:30 | P. Eugenio | Backward veto |
| 09:30 – 09:50 | C. Meyer | Central tracking status |
| 09:50 – 10:10 | D. Carman | Forward tracking |
| 10:10 – 10:30 | A. Dzierba and S. Denisov | Particle ID status |
| 10:30 – 10:50 | W. Boeglin | START counter |
| 10:50 – 11:00 | *Coffee break* | |
| 11:00 – 12:30 | C. Meyer | Discussion of integration issues |
| 12:30 – 13:30 | *Lunch* | |

**Friday, May 20 Afternoon**
Plenary session

| Plenary Session | | |
|---|---|---|
| **Time** | **Speaker** | **Topic** |
| 13:30 – 14:00 | G. Fox | GRIDs and PPDG |
| 14:00 – 16:00 | E. Brash *et al* | Discussion of simulation software especially with regard to preparing for the detector review. This is meant to be a discussion organized by E. Brash to cover work being done at CMU, UConn, IU and UR. More details will follow. |
| 16:00 – 16:30 | *Coffee Break* | |

**Friday, May 20 Afternoon**
Parallel sessions from 16:30 to 18:00

(I) Softwarre discussions (II) Collaboration Board Meeting

Collaboration Board Meeting chaired by G. Lolos. Issues:

1. JLab preparations for GlueX
2. External funding: DOE, NSF, NSERC, CRDF, Mexican, European
3. 2005 funding for R&D
4. MOU's
5. Recruiting
6. Future meeting dates
7. Sabbaticals at JLab
8. Elections and terms – does CD-0 start the clock?

**Saturday, May 22 Morning**
Plenary session

| Plenary Session | | |
|---|---|---|
| **Time** | **Speaker** | **Topic** |
| 08:30 – 09:00 | G. Lolos | Report from the Collaboration Board |
| 09:00 – 09:30 | E. Brash or other | Summary of simulations plans |
| 09:30 – 10:00 | C. Meyer | Summary of integration plans |
| 10:00 – 10:30 | A. Dzierba | Preparing for the detector review |
| 10:30 – 11:00 | *Coffee break* | |
| 11:00 – 12:30 | G. Lolos | Closeout |

**Summary of Issues for Meeting**

1. Preparing for GlueX at JLab:
    a. Formation of the Hall D group (new hires and reassignment)
    b. Office space
    c. Lab space
2. Writing MOU's for each institution
3. Funding sources:
    a. DOE and NSF and JLab
    b. NSERC (Canada)/Conacyt (Mexico)/Russia/Europe
    c. Joint programs
4. Electronics – one year after the review – where are we? Personnel
5. Hardware status and R&D
6. R&D MOU's and status
7. Integration
8. Preparing for the detector review
9. Summer meetings and plans
10. Preparing for the Lehman review
11. Rewriting the Design Report
12. Theory issues: Review – Phenomenology – Analysis – Workshops
13. Analysis center
14. Simulations
15. GRID

*Above in no particular order*