

Agenda for  
DOE Supported HIγS Upgrade  
DFELL Conference Room

**Tuesday, 12/11/2007**

8:00 - 8:45 Executive meeting

8:45 - 9:15 Upgrade Project Overview: technical scope, schedule and budget  
C. Howell

9:15 – 10:00 Upgraded Facility Capabilities  
Y. Wu

**10:00 - 10:15 Break**

10:15 – 10:45 Planned Enhancements During the Early Years of Operation  
Y. Wu

10:45 – 11:20 Overview of Initial Research Program  
H. Weller

**11:20 – 11:45 Astrophysics and Few-Nucleon Physics below 30 MeV**

(10 + 2) Measurement of the  $^{16}\text{O}(\gamma,\alpha)$  Cross Section – M. Gai, Univ. Conn.

(10 + 2) Few-body Physics at HIγS – W. Tornow, Duke Univ.

**11:45 - 1:00 Lunch and Executive meeting**

(Lunch will be delivered for committee members and DOE officials. All others will go out for lunch.)

**1:00 – 1:30 The Gerasimov Drell Hearn Sum Rule on d and  $^3\text{He}$  below 100 MeV**

(15 + 3) GDH on d and  $^3\text{He}$  – B. Norum, UVA

(10 + 2) Blowfish Array and  $(\gamma, n)$  reactions – R. Pywell, Univ. Saskatchewan

**1:30 – 2:30 Hadron Structure**

(10 + 2) Compton on d below 85 MeV – G. Feldman, GWU

(20 + 3) Spin polarizabilities of the proton – R. Miskimen, U. Mass.

( 5 + 2) Polarized target materials – S. Whisnant, James Madison Univ.

(15 + 3) Spin polarizabilities of the neutron – H. Gao, Duke Univ.

**2:30 – 2:45 Break**

**2:45 – 3:35 Chiral Dynamics**

(15 + 3) Research Program at  $\gamma$ -ray Energies above 100 MeV – H. Weller, Duke U.

(15 + 3) Studies at Pion-Threshold – A. Bernstein, MIT

(10 + 2) Neutral Meson Spectrometer at HIγS – M. Ahmed, Duke U.

3:35 – 5:00 HIGS Operation: Budget and Management  
C. Howell

5:00 – 6:30 **Executive Session**

Last revised: 12/05/2007

6:30 - 6:45 First day closeout session

7:00 Dinner

### **Wednesday, 12/12/2007**

8:30 – 9:45 Facility Tour and Poster Session  
Y. Wu and M. Ahmed

9:50 – 10:20 Testing QCD via Nuclear Structure Studies at HIγS  
N. Pietralla, T.U.Darmstadt

10:20 – 11:00 **Applications of Nuclear Physics at HIγS**  
(20 + 4) Homeland Security Research – D. McNabb, LLNL  
(10 + 2) Application-driven Science at HIγS – A. Tonchev, Duke U.

11:00 – 11:30 Responses to questions from Committee and Q&A

11:30 – 12:30 Breakout Sessions: Budget and Program Management

#### **12:30 – 2:00 Lunch and Executive Session**

(Lunch will be delivered for committee members and DOE officials. All others will go out for lunch.)

2:00 – 3:00 Meeting with University Administrators

#### **3:00 – 4:30 Executive Session**

4:30 Closeout session