

Tuesday, Jan 29, 2013

## Agenda for Fermilab visit to Maryland

Energy Research Building, Rm. 1207

### 9:30 AM – NOON Presentations

#### 9:30 -10:30 AM Presentations by the FNAL team

Sergei Nagaitsev (45 min.) – Overview of ASTA  
Bob Kephart (15 min.) – IARC

#### 10:45 AM- NOON Presentations by Maryland (5 min. each)

Opening remarks – Patrick O’Shea, Vice-President and Chief Research Officer

#### UMER

1. Rami Kishek – Overview of UMER Research Program
2. Santiago Bernal – Machine Description and Magnets
3. Timothy Koeth – UMER Diagnostics
4. Brian Beaudoin – Longitudinal Physics
5. Dave Sutter – Transverse Physics
6. Irving Haber – Space-Charge Simulations of UMER

#### Advanced Diagnostics

7. Ralph Fiorito – Advanced Diagnostics for Accelerators

#### Photocathode Development and Testing

8. Eric Montgomery - Self-Healing Photocathodes for Accelerators

#### Intense Laser Matter Interactions

9. Howard Milchberg - Ultra-high gradient linac in a plasma slow wave structure
10. Jared Wahlstrand - Measuring transients with structure as short as an optical cycle in a single shot

#### Ultrafast Optical Science

11. Ki-Yong Kim - Laser-based intense terahertz generation

#### Accelerator Theory

12. Tom Antonsen - Advanced Accelerator Concepts Theory
13. Gregory Nusinovich – ???
14. Oleksander Sinitsyn – Multipactor Simulations

### NOON – 1 PM Lunch

### 1 – 3 PM Lab Tours

*Docent (Timothy Koeth)*

University of Maryland Electron Ring (UMER) (Rami Kishek)

Advanced Diagnostics Lab (Ralph Fiorito)

Photocathode Development and Testing Lab (Eric Montgomery)

Intense Laser Matter Interactions Lab (Howard Milchberg)

Ultrafast Optical Science Laboratory (Ki-Yong Kim)

### 3 – 6 PM Discussions and Individual Meetings