

**Auger US Analysis Meeting**  
**October 11, 12, 2013**  
**Case Western Reserve University**  
**Cleveland, Ohio**

**Miller Room, Second Floor, Rockefeller Physics Building**

**Revised Agenda (as of 8:30 AM Saturday, 12 October)**

**Friday, 11 October**

- 11:00 AM Corbin Covault: Welcome and introductions, etc.
- 11:30 AM Danielle LaHurd: Progress on hadronic interactions and exotics.
- 12:00 Noon Andrew Ferguson: Cherenkov timing and composition.
- 12:30 PM **Lunch:** On campus: BRB Cafeteria.
- 1:30 PM Ryan Lorek: A prototype Cherenov detector test system.
- 2:00 PM Sean Quinn: Galactic magnetic field models.
- 2:30 PM Mike Sutherland: Arrival Directions of CR from  
Cen-A through the Farrar-Johnson Galactic Magnetic Field.
- 3:00 PM **Coffee**
- 3:15 PM Mike Sutherland: Mass Composition by  
Comparing Xmax distributions.
- 3:45 PM David Schmidt: Comparison between NKG and modified PL LDFs.
- 4:15 PM Ariel Bridgeman: Some preliminary results on using S1500 instead of S1000.
- 4:45 PM Paul Lebrun: No-weights shower Corsika air shower simulations at 30 TeV.
- 5:00 PM Paul Lebrun: Update on the search for the root causes of the  
SD energy scale and resolution changes.
- 5:30 PM Niraj Dhital: Double-bump showers.
- 6:00 PM Adjourn formal business for the day.
- 8:30 PM **Dinner** at La Dolce Vita, Little Italy (20 people)

**Saturday, 12 October**

- 8:40 AM Senior participants meet at entrance to Rockefeller to be let into Building.
- 8:45 AM Senior participants meeting.
- 9:40 AM Meet at entrance to Rockefeller to be let into Building.
- 9:45 AM Toshihiro Fujii: Ultra-relativistic Magnetic Monopole Search.
- 10:15 AM Fred Sarazin: Activities at Mines.
- 10:30 AM **Coffee**
- 10:45 AM Tolga Yapici: Hadronic Interactions.
- 11:15 PM James Stapleton: Xmax analysis using skewness.
- 11:45 AM Miguel Mostafa, Anisotropy.
- 12:15 Noon **Lunch** (participants forage on their own).
- 1:15 PM David Nitz, SDE muon counting.
- 1:45 PM Joe Berlin, RPCs.
- 2:15 PM **Coffee**
- 2:45 PM Continued discussion of future plans.
- 3:30 PM Adjourn

## **Participants:**

Toshihiro Fujii, Chicago

Paolo Privitera, Chicago (had to cancel)

Paul Lebrun, FNAL

Paul Mantsch, FNAL

Peter Mazur, FNAL

Mike Sutherland, LSU

Jim Matthews, LSU

Patrick Allison, OSU

James Stapleton, OSU

David Nitz, MTU

Johana M. Chirinos, MTU

Tolga Yapici, MTU

Niraj Dhital, MTU

Miguel Mostafa, PSU

Joe Berlin, PSU

Fred Sarazin, Mines

Ariel Bridgeman, Mines

David Schmidt, Mines

Holger Meyer, Wichita

Corbin Covault, CWRU

Andrew Ferguson, CWRU

Danielle LaHurd, CWRU

Sean Quinn, CWRU

Ryan Lorek, CWRU