ULTRA-HIGH ENERGY COSMIC RAY
NEUTRINOS AND PHOTONS WORKSHOP PROGRAM

May 16 – 17, 2007
Berg Auditorium, 100 Life Sciences Building

Wednesday, May 16

Morning Session Chair: Paul Sommers

8:30 – 9:00 Registration
9:00 – 9:10 Welcoming Remarks – Abhay Ashtekar and Peter Mészáros
9:10 – 10:00 Alan Watson – "Unresolved Issues in EeV to GZK Cosmic Rays"
10:00 – 10:30 Tom Weiler – "Beyond the Standard Model Issues in Astrophysics and Cosmology"
10:30 – 10:45 Refreshments
10:45 – 11:35 Eli Waxman – "UHE Cosmic Rays and Neutrinos and What We Can Learn from Them"
11:35 – 12:05 Markus Risse – "High Energy Particle Interactions Theory/Phenomenology and Implications for Particle Astrophysics Experiments"
12:05 – 12:15 Discussion
12:15 – 2:00 Lunch

Afternoon Session Chair: Doug Cowen

2:00 – 2:40 Todor Stanev – "The Highest Energy Cosmic Rays and What They Can Teach Us"
2:40 – 3:10 Hallsie Reno – "UHE Neutrino Propagation Effects in Astrophysical Sources"
3:10 – 3:30 Discussion
3:30 – 3:50 Refreshments
4:20 – 4:50 Stefan Westerhoff – "GZK Cosmic Ray Results from HiRes and Other Experiments"
4:50 – 5:50 Discussion

Thursday, May 17

Morning Session Chair: Ty DeYoung

9:00 – 9:50 Felix Aharonian – "ACT Experiments and the Origin of Cosmic Rays"
10:20 – 10:40 Refreshments
10:40 – 11:30 Peter Michelson – "GLAST and Its Potential for Physics and Astrophysics"
11:30 – 12:15 Discussion
12:15 – 1:45 Lunch

Afternoon Session Chair: Irina Mocioiu

1:45 – 2:25 Simon Swordy – "Synergy between Observations with Various TeV Instruments"
2:25 – 2:55 Vasiliki Pavlidou – "Multi-Channel Astrophysics and Cosmology at the Highest Energies"
2:55 – 3:10 Discussion
3:10 – 3:30 Refreshments
3:30 – 4:20 Francis Halzen – "ICECUBE and Its Potential for Physics and Astrophysics"
4:20 – 4:50 Paolo Coppi – "Multi-Channel Signatures at GeV-TeV Energies of AGNs"
4:50 – 5:30 Discussion and Conclusion

Workshop sponsored by the Center for Particle Astrophysics
Institute for Gravitation and the Cosmos, The Pennsylvania State University