

4th International UHECR Workshop
on THE HIGHEST ENERGY COSMIC RAYS AND THEIR
SOURCES

Institute for Nuclear Research of the Russian Academy of Sciences,
Moscow, Russia, May 20 — 22, 2008.

Preliminary Program

Moscow, 2008

Tuesday, May 20

1. Opening 10:30 – 10:45
2. Pierre Sokolsky, *HiRes experiment* 10:45 – 11:45

Coffee Break. 11:45 – 12:15

3. John Matthews, *The Telescope Array (TA/TALE) experiment*
12:15 – 13:00

Lunch. 13:00 – 14:00

4. Serguei Vorobiov, *The status, results and the future prospects of the Pierre Auger Observatory (Part I)* 14:00 – 15:00
5. Peter Tinyakov, *On the interpretation of the cosmic-ray anisotropy at ultra-high energies* 15:00 – 15:30

Coffee Break. 15:30 – 16:00

6. Leonid Dedenko, *The cosmic ray luminosity of the nearby active galactic nuclei* 16:00 – 16:30
7. Sergey Troitsky, *Physical conditions in potential UHECR accelerators* 16:30 – 17:00
8. Sergey Ostapchenko, *High energy radiation from Centaurus A*
17:00 – 17:30
9. Igor Tkachev, *Ultra-High Energy Cosmic Ray production in the polar cap regions of black hole magnetospheres* 17:30 – 18:00

Wednesday, May 21

1. Vasily Prosin, *Study of Primary Cosmic Rays with EAS Cerenkov Light in Tunka Valley (Tunka-25 and Tunka-133 arrays)* 10:30 – 11:30

Coffee Break. 11:30 – 12:00

2. Dmitry Podgrudkov, *The time pulses of signals in scintillator detectors from extensive air showers with energies above 10^{*8} GeV* 12:00 – 12:30
3. Grigory Rubtsov, *Timing-related observables for UHECR composition studies* 12:30 – 13:00

Lunch. 13:00 – 14:00

4. Serguei Vorobiov, *The status, results and the future prospects of the Pierre Auger Observatory (Part II)* 14:00 – 15:00
5. Gordon Thomson, *Comparing Cosmic Ray Showers to Simulations* 15:00 – 15:30

Coffee Break. 15:30 – 16:00

6. Dmitry Gorbunov, *Study of chemical composition with muon content* 16:00 – 16:30
7. Artem Sabourov, *Extensive air shower estimates and the possibility to obtain the UHECR mass composition.* 16:30 – 17:00
8. Sergey Ostapchenko, *Muon component of high energy air showers: puzzles and prospects* 17:00 – 18:00

Thursday, May 22

1. Boris Khrenov, *TUS/KLYPVE program for observation of Extreme Energy Cosmic Rays from Space* 10:30 – 11:30

Coffee Break. 11:30 – 12:00

2. Yuri Stenkin, *On the PRISMA project (proposal)* 12:00 – 12:30
3. Vladimir Yakovlev, *Tachyons in extensive air showers?* 12:30 – 13:00

Lunch. 13:00 – 14:00

4. Askhat Gazizov, *Diffusion of ultra high energy particles in expanding universe* 14:00 – 14:30
5. Oleg Kalashev, *Ultra-High Energy Cosmic Rays and the GeV-TeV Diffuse Gamma-Ray Flux* 14:30 – 15:00
6. Dmitri Semikoz, *Constraining the cosmic ray source spectrum from observations in the GZK regime* 15:00 – 15:30

Coffee Break. 15:30 – 16:00

7. Vladimir Aynutdinov, *Status of Baikal neutrino experiment* 16:00 – 16:50
8. Konstantin Belov, *Search for the UHE neutrinos high above the Antarctic ice shield - The ANITA experiment* 16:50 – 17:30
9. Closing 17:30 – 17:35

Seminar dinner. 18:00 –