

The Second International Workshop on
Ultra-high-energy cosmic rays and their sources

INR, Moscow, April 14-16, 2005

PRELIMINARY PROGRAM

Sessions and coffee breaks: INR conference hall

Meals and evening discussions: Theory Division common room

Thursday April 14.

10:30. Opening.

10:40. M. Teshima (MPI, Munchen).

Ultra-high-energy cosmic rays and EUSO. (60+15)

11:55. Coffee.

12:15. B.A. Khrenov (NPI MSU, Moscow).

The space TUS and KLYPVE detectors for study of ultra-high-energy cosmic rays. (60+15)

13:30. D.S. Gorbunov (INR, Moscow).

Traces of UHE particles in the lunar crust. (25+5)

14:00. Lunch.

15:00. K. Shinozaki (MPI, Munchen).

Results from experiments in Akeno. (60+15)

16:15. Coffee.

16:35. M.I. Pravdin (IKFIA, Yakutsk).

Yakutsk results: spectrum and anisotropy. (60+15)

17:50. A.A. Petrukhin (MEPhI, Moscow).

Ultra high energy cosmic rays – a new approach. (25+5)

Evening: Free discussion;

INTAS project 03-51-5112 coordination meeting.

Friday April 15.

10:00. K. Belov (U. of Utah, Salt Lake City).

Utah Desert molecular atmosphere. (25+5)

10:30. K. Belov (U. of Utah, Salt Lake City).

HiRes anisotropy studies. (40+10)

11:20. Coffee.

11:40. D.S. Gorbunov (INR, Moscow).

Neutral UHE particles from BL Lacs: tests and implications. (60+15)

12:55. S.V. Troitsky (INR, Moscow).

Clusters of the AGASA, Yakutsk and HiRes events. (25+5)

13:25. Lunch.

14:30. A. Uryson (LPI, Moscow).

Possible origin of clusters in ultra high energy cosmic rays. (25+5)

15:00. M. Kachelriess (MPI, Munchen).

UHECRs and deflections in the Galactic magnetic field. (45+15)

16:00. Coffee.

16:20. L.G. Dedenko (MSU, Moscow).

Preliminary results of air-shower simulations with a hybrid method. (60+15)

17:35. G.I. Rubtsov (INR, Moscow).

Some systematic effects in the energy reconstruction by ground arrays: small-scale shower fluctuations and possible photonic primaries. (45+15)

Evening: Discussion on relative systematics in energy determination by ground arrays and fluorescent detectors.

Saturday April 16.

10:00. P. Spillantini (INFN, Florence).

From EUSO to EUNO. (45+15)

11:00. Zh. Djilkibaev (INR, Moscow).

Searches for high-energy cosmic neutrinos with the Baikal neutrino telescope. (45+15)

12:00. S.V. Troitsky (INR, Moscow).

The Sun as an UHE neutrino telescope. (25+5)

12:30. Coffee.

12:50. H. Tu (U. of Southern Denmark, Odense).

Strongly-interacting neutrinos as post-GZK events at AGASA? (30+10)

13:30. M. Zotov (NPI MSU, Moscow).

Possible common sources of PeV and EeV cosmic rays. (25+5)

14:00. S.L. Dubovsky (INR and CERN).

Lorentz invariance violation. (30+10)

14:40. V.A. Kuzmin (INR, Moscow).

Concluding remarks. (15+10)

15:30. Celebration of V.A. Kuzmin's birthday.