

ROUND TABLE DISCUSSION

Searching for the mixed phase of strongly interacting matter at the JINR Nuclotron

JINR, Dubna, July 7 - 9, 2005 (BLTP Conference hall)

7 July, Thursday

10:00	A.N. Sissakian, OPENING	10 min
10:20	A.N. Sissakian and A.S. Sorin (on behalf of the working group) <i>Searching for the mixed phase of strongly interacting matter at the JINR Nuclotron: the statement of the problem and general description of the project</i>	40 min

11:10 — 11:30 Coffee Break

11:30	A.D. Kovalenko <i>The plan of developing the JINR Nuclotron for the realization of the project of searching for the mixed phase (characteristics of beams, time schedule, estimation of expenses)</i>	25 min
12:00	A.I. Malakhov <i>The JINR Detector basis and perspectives of attracting of external detectors for the realization of the project of searching for the mixed phase (schedule and estimation of expenses)</i>	35 min
12:40	General discussion	20 min

13:00 — 15:00 Lunch

15:00	T. Kunihiro <i>Status of the chiral symmetry restoration and sigma-meson physics</i>	50 min
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16:00 — 16:15 Coffee Break

16:15	V.L. Yudichev (on behalf of the working group) <i>Pion annihilation $\pi\pi \rightarrow 2\gamma$ near the chiral symmetry restoration</i>	25 min
16:45	Yu. Kalinovsky (on behalf of the working group) <i>The alternative estimation of pion annihilation $\pi\pi \rightarrow 2\gamma$ in vicinity of the chiral symmetry restoration</i>	25 min
17:20	V.D. Toneev (on behalf of the working group) <i>Dynamics of pion annihilation into 2γ in heavy ion collisions and a background estimate</i>	40 min
18:10	General discussion	20 min

8 July, Friday

10:00	M. Gazdzicki <i>Energy dependence of hadron production in heavy ion collisions and the Nuclotron energy range</i>	50 min
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11:00 — 11:15 Coffee Break

11:15	J. Lukstins <i>Search for identical pion correlations and production of kaons and lambdas on the streamer chamber</i>	25 min
11:45	Kh. Abraamyan <i>Search for 2γ events on Photon 2 detector</i>	25 min
12:15	V.A. Krasnov <i>Search for 2γ events on Delta detector</i>	25 min
12:45	General discussion	15 min

13:00 — 15:00 Lunch

15:00	V.A. Karnaukhov <i>Nuclear fragmentation at Nuclotron beams</i>	25 min
15:30	A.B. Kurepin <i>MRS detector for the Nuclotron</i>	25 min
16:00	Yu.V. Zanevsky <i>Spectrometr HADES</i>	25 min

16:30 — 16:45 Coffee Break

16:45	M.I. Gorenstein <i>Searching for phase transitions in hadronic observables in heavy ion collisions and the Nuclotron energy range</i>	50 min
17:45	General discussion <i>V.A. Karnaukhov, E.A. Kuraev, V.L. Yudichev, ... G.M. Zinovjev</i>	70 min
18:55	A.N. Sissakian <i>CLOSING</i>	

9 July, Saturday

10:00 — 12:00 Visit of the Nuclotron