

Zimányi 2007 Winter School on Heavy Ion Physics

Report of Contributions

Contribution ID: 0

Type: **not specified**

Greetings from the ELTE University and Opening the School

Wednesday 5 December 2007 09:00 (5 minutes)

Author: Prof. PATKÓS, András (ELTE University, Budapest, Hungary)

Presenter: Prof. PATKÓS, András (ELTE University, Budapest, Hungary)

Session Classification: Session (Chair: Péter Lévai)

Contribution ID: 1

Type: **not specified**

Clear Experimental Evidence for Thermodynamic Description and Deconfinement of Hadronic Matter in $p+pbar$ reactions at Tevatron

Wednesday 5 December 2007 09:05 (55 minutes)

Author: GUTAY, Laszlo (Purdue University)

Presenter: GUTAY, Laszlo (Purdue University)

Session Classification: Session (Chair: Péter Lévai)

Contribution ID: 2

Type: **not specified**

Recent results from the PHENIX experiment at RHIC - The Fluid Nature of QGP

Wednesday 5 December 2007 10:00 (40 minutes)

Author: CSORGO, Tamas Ferenc (KFKI Research Institute for Particle and Nuclear Physics-Hungary)

Presenter: CSORGO, Tamas Ferenc (KFKI Research Institute for Particle and Nuclear Physics-Hungary)

Session Classification: Session (Chair: Péter Lévai)

Contribution ID: 3

Type: **not specified**

Milestones and new results from the PHOBOS Experiment

Wednesday 5 December 2007 11:00 (40 minutes)

Author: Dr VERES, Gabor (Budapest)

Presenter: Dr VERES, Gabor (Budapest)

Session Classification: Session (Chair: László Gutay)

Contribution ID: 4

Type: **not specified**

Non-equilibrium hadronisation and event-by-event fluctuations of rapidity distributions

Wednesday 5 December 2007 11:40 (35 minutes)

Author: TOMASIK, Boris (Univerzita Mateja Bela-Unknown-Unknown)

Presenter: TOMASIK, Boris (Univerzita Mateja Bela-Unknown-Unknown)

Session Classification: Session (Chair: László Gutay)

Contribution ID: 5

Type: **not specified**

Constraints on thermalization time and shear viscosity in heavy-ion collisions

Wednesday 5 December 2007 12:15 (30 minutes)

Author: Dr MOLNÁR, Endre (Frankfurt Institute for Advanced Studies, Frankfurt, Germany)

Presenter: Dr MOLNÁR, Endre (Frankfurt Institute for Advanced Studies, Frankfurt, Germany)

Session Classification: Session (Chair: László Gutay)

Contribution ID: 6

Type: **not specified**

Quark-gluon plasma/black hole duality from gauge/gravity correspondence

Wednesday 5 December 2007 14:00 (1 hour)

Author: Prof. PESCHANSKI, Robert (Saclay, France)

Presenter: Prof. PESCHANSKI, Robert (Saclay, France)

Session Classification: Session (Chair: Tamás Csörgő)

Contribution ID: 7

Type: **not specified**

Universal scaling of the elliptic flow in the PHENIX experiment at RHIC

Wednesday 5 December 2007 15:00 (30 minutes)

Author: CSANAD, Mate (KFKI Research Institute for Particle and Nuclear Physics-Hungari)

Presenter: CSANAD, Mate (KFKI Research Institute for Particle and Nuclear Physics-Hungari)

Session Classification: Session (Chair: Tamás Csörgő)

Contribution ID: 8

Type: **not specified**

László Tisza's contributions to the theory of superfluidity

Wednesday 5 December 2007 15:30 (30 minutes)

Author: Prof. GESZTI, Tamás (ELTE University, Budapest, Hungary)

Presenter: Prof. GESZTI, Tamás (ELTE University, Budapest, Hungary)

Session Classification: Session (Chair: Tamás Csörgő)

Contribution ID: 9

Type: **not specified**

Universal properties of superfluid Fermi gases

Wednesday 5 December 2007 16:30 (1 hour)

Author: Prof. CSORDÁS, András (ELTE University, Budapest, Hungary)

Presenter: Prof. CSORDÁS, András (ELTE University, Budapest, Hungary)

Session Classification: Session (Chair: Robert Peschanski)

Contribution ID: **10**

Type: **not specified**

Greetings from MTA KFKI RMKI

Thursday 6 December 2007 09:00 (5 minutes)

Author: Prof. SZŐKEFALVI-NAGY, Zoltán (MTA KFKI RMKI, Budapest, Hungary)

Presenter: Prof. SZŐKEFALVI-NAGY, Zoltán (MTA KFKI RMKI, Budapest, Hungary)

Session Classification: Session (Chair: Boris Tomasik)

Contribution ID: 11

Type: **not specified**

What can we learn from the near-side hadron-hadron correlation in heavy ion collisions?

Thursday 6 December 2007 09:05 (45 minutes)

Author: LEVAI, Peter (KFKI Research Institute for Particle and Nuclear Physics)

Presenter: LEVAI, Peter (KFKI Research Institute for Particle and Nuclear Physics)

Session Classification: Session (Chair: Boris Tomasik)

Contribution ID: 12

Type: **not specified**

VHMPID: a new detector for particle identification at ALICE

Thursday 6 December 2007 09:50 (25 minutes)

Author: HAMAR, Gergoe (Eotvos Lorand University-Unknown-Unknown)

Presenter: HAMAR, Gergoe (Eotvos Lorand University-Unknown-Unknown)

Session Classification: Session (Chair: Boris Tomasik)

Contribution ID: 13

Type: **not specified**

Jet energy loss in dilute and dense parton matter

Thursday 6 December 2007 10:15 (30 minutes)

Author: AGOCS, Andras Gabor (KFKI Research Institute for Particle and Nuclear Physics-Hungary)

Presenter: AGOCS, Andras Gabor (KFKI Research Institute for Particle and Nuclear Physics-Hungary)

Session Classification: Session (Chair: Boris Tomasik)

Contribution ID: 14

Type: **not specified**

Initial conditions for hydrodynamic expansion of fireball

Thursday 6 December 2007 11:15 (30 minutes)

Author: Dr NAZARENKO, Andrij (Bogoliubov Institute for Theoretical Physics, Kiev, Ukraine)

Presenter: Dr NAZARENKO, Andrij (Bogoliubov Institute for Theoretical Physics, Kiev, Ukraine)

Session Classification: Session (Chair: László Jenkovszky)

Contribution ID: 15

Type: **not specified**

Recent Results from the Quark Coalescence Model

Thursday 6 December 2007 11:45 (30 minutes)

Author: Prof. ÜRMÖSSY, Károly (Budapest Technical University, Budapest, Hungary)

Presenter: Prof. ÜRMÖSSY, Károly (Budapest Technical University, Budapest, Hungary)

Session Classification: Session (Chair: László Jenkovszky)

Contribution ID: 16

Type: **not specified**

Negative Pressure States in Condensed Matters

Thursday 6 December 2007 13:30 (45 minutes)

Author: Dr IMRE, Attila (MTA KFKI AEKI, Budapest, Hungary)

Presenter: Dr IMRE, Attila (MTA KFKI AEKI, Budapest, Hungary)

Session Classification: Session (Chair: Ferenc Siklér)

Contribution ID: 17

Type: **not specified**

Two phase-flow calculations for proton-mercury interaction in the planned European Spallation Source facility

Thursday 6 December 2007 14:15 (45 minutes)

Author: Dr BARNA, Imre (MTA KFKI AEKI, Budapest, Hungary)

Presenter: Dr BARNA, Imre (MTA KFKI AEKI, Budapest, Hungary)

Session Classification: Session (Chair: Ferenc Siklér)

Contribution ID: **18**

Type: **not specified**

Equation of state of the hot and dense nuclear matter - Metastability and fluctuations

Author: Prof. JENKOVSKY, László (Bogoliubov Institute for Theoretical Physics, Kiev, Ukraine)

Contribution ID: 19

Type: **not specified**

Equation of state of the hot and dense nuclear matter - Metastability and fluctuations

Thursday 6 December 2007 15:00 (30 minutes)

Author: Prof. JENKOVSZKY, László (Bogoliubov Institute for Theoretical Physics, Kiev, Ukraine)

Presenter: Prof. JENKOVSZKY, László (Bogoliubov Institute for Theoretical Physics, Kiev, Ukraine)

Session Classification: Session (Chair: Ferenc Siklér)

Contribution ID: 20

Type: **not specified**

Two- and three-particle correlations of pions treated within q,p-Bose gas model

Thursday 6 December 2007 16:00 (30 minutes)

Author: Dr GAVRILIK, Alexandre (Bogoliubov Institute for Theoretical Physics, Kiev, Ukraine)

Presenter: Dr GAVRILIK, Alexandre (Bogoliubov Institute for Theoretical Physics, Kiev, Ukraine)

Session Classification: Session (Chair: Máté Csanád)

Contribution ID: 21

Type: **not specified**

The final L3 results on Bose-Einstein correlation functions in e^+e^- annihilations

Thursday 6 December 2007 16:30 (30 minutes)

Author: Dr NOVÁK, Tamás (Radboud University, Nijmegen, The Netherlands)

Presenter: Dr NOVÁK, Tamás (Radboud University, Nijmegen, The Netherlands)

Session Classification: Session (Chair: Máté Csanád)

Contribution ID: 22

Type: **not specified**

Meson-Baryon Correlations in Heavy Ion Collision using THERMINATOR

Thursday 6 December 2007 17:00 (30 minutes)

Author: Mr ZAWISZA, Marcin (Warsaw Technical University, Poland)

Presenter: Mr ZAWISZA, Marcin (Warsaw Technical University, Poland)

Session Classification: Session (Chair: Máté Csanád)

Contribution ID: 23

Type: **not specified**

First, second, and one-and-half order relativistic hydrodynamics

Thursday 6 December 2007 17:30 (30 minutes)

Author: Dr VÁN, Péter (MTA KFKI RMKI, Budapest, Hungary)

Presenter: Dr VÁN, Péter (MTA KFKI RMKI, Budapest, Hungary)

Session Classification: Session (Chair: Máté Csanád)

Contribution ID: 24

Type: **not specified**

The NA61/Shine experiment at CERN SPS

Friday 7 December 2007 09:00 (30 minutes)

Author: Dr FODOR, Zoltan (KFKI Research Institute for Particle and Nuclear Physics)

Presenter: Dr FODOR, Zoltan (KFKI Research Institute for Particle and Nuclear Physics)

Session Classification: Session (Chair: Alexandre Gavrilik)

Contribution ID: 25

Type: **not specified**

Soft probes of high density QCD physics with CMS

Friday 7 December 2007 09:30 (30 minutes)

Author: SIKLER, Ferenc (KFKI Research Institute for Particle and Nuclear Physics)

Presenter: SIKLER, Ferenc (KFKI Research Institute for Particle and Nuclear Physics)

Session Classification: Session (Chair: Alexandre Gavrilik)

Contribution ID: 26

Type: **not specified**

Jet physics in Heavy-ion collisions at the LHC with CMS

Friday 7 December 2007 10:00 (30 minutes)

Author: KRAJCZAR, Krisztian

Presenter: KRAJCZAR, Krisztian

Session Classification: Session (Chair: Alexandre Gavrilik)

Contribution ID: 27

Type: **not specified**

Mass gap from pressure inequalities

Friday 7 December 2007 11:00 (30 minutes)

Author: Mr LASZLO, Andras (KFKI Budapest)

Presenter: Mr LASZLO, Andras (KFKI Budapest)

Session Classification: Session (Chair: Gábor Veres)

Contribution ID: 28

Type: **not specified**

How to recombine data with correlated errors from different measurements ?

Friday 7 December 2007 11:30 (30 minutes)

Author: VERTESI, Robert

Presenter: VERTESI, Robert

Session Classification: Session (Chair: Gábor Veres)

Contribution ID: 29

Type: **not specified**

Detailed description of accelerating, simple solutions of relativistic perfect fluid hydrodynamics

Friday 7 December 2007 12:00 (30 minutes)

Author: Mr NAGY, Márton (MTA KFKI RMKI, Budapest, Hungary)

Presenter: Mr NAGY, Márton (MTA KFKI RMKI, Budapest, Hungary)

Session Classification: Session (Chair: Gábor Veres)

Contribution ID: 30

Type: **not specified**

Unified description of Bjorken's and Landau's 1+1 dimensional relativistic hydrodynamics

Friday 7 December 2007 14:00 (1 hour)

Author: Prof. PESCHANSKI, Robert (Saclay, France)

Presenter: Prof. PESCHANSKI, Robert (Saclay, France)

Session Classification: Session (Chair: Péter Ván)

Contribution ID: **31**

Type: **not specified**

Closing of the School

Friday 7 December 2007 15:00 (5 minutes)

Author: CSORGO, Tamas Ferenc (KFKI Research Institute for Particle and Nuclear Physics-Hungary)

Presenter: CSORGO, Tamas Ferenc (KFKI Research Institute for Particle and Nuclear Physics-Hungary)

Session Classification: Session (Chair: Péter Ván)