

Zimányi 2008 Winter School on Heavy Ion Physics

Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome Reception

Tuesday, 25 November 2008 19:00 (2h 30m)

Contribution ID: 1

Type: **not specified**

Greetings from the Organizers and Opening the School

Tuesday, 25 November 2008 08:55 (5 minutes)

Presenter: CSÖRGŐ, Tamás (MTA KFKI RMKI, Budapest, Hungary)

Session Classification: Opening session: Perfect fluid at RHIC and AdS/CFT correspondence

Contribution ID: 2

Type: **not specified**

Latest results from PHENIX

Tuesday, 25 November 2008 09:05 (45 minutes)

Presenter: DAVID, Gabor (BNL, Upton, USA)

Session Classification: Opening session: Perfect fluid at RHIC and AdS/CFT correspondence

Contribution ID: 3

Type: **not specified**

Conformal viscous hydrodynamics and AdS/CFT correspondence I

Tuesday, 25 November 2008 09:50 (50 minutes)

Presenter: BAIER, Rudolph (Uni. Bielefeld, Germany)

Session Classification: Opening session: Perfect fluid at RHIC and AdS/CFT correspondence

Contribution ID: 4

Type: **not specified**

Status of ALICE at LHC

Tuesday, 25 November 2008 11:00 (30 minutes)

Presenter: LÉVAI, Péter (MTA KFKI RMKI, Budapest, Hungary)

Session Classification: Status of ALICE, CMS and TOTEM experiments at LHC

Contribution ID: 5

Type: **not specified**

CMS at LHC status report, physics with identified particles

Tuesday, 25 November 2008 11:30 (30 minutes)

Presenter: SZELES, Sándor (ELTE, Budapest, Hungary)

Session Classification: Status of ALICE, CMS and TOTEM experiments at LHC

Contribution ID: 6

Type: **not specified**

Hungarian participation in the TOTEM experiment at LHC

Tuesday, 25 November 2008 12:00 (25 minutes)

Presenter: CSÖRGŐ, Tamás (MTA KFKI RMKI, Budapest, Hungary)

Session Classification: Status of ALICE, CMS and TOTEM experiments at LHC

Contribution ID: 7

Type: **not specified**

Planned upgrades of the CERN accelerator complex

Tuesday, 25 November 2008 14:00 (40 minutes)

Presenter: GAROBY, Roland (CERN AB, Geneva, Switzerland)

Session Classification: Future plans at CERN

Contribution ID: 8

Type: **not specified**

Low-scale gravity black holes at LHC

Tuesday, 25 November 2008 14:40 (30 minutes)

Presenter: REGŐS, Enikő (CERN, Geneva, Switzerland)

Session Classification: Future plans at CERN

Contribution ID: 9

Type: **not specified**

Collective effects in p+p collisions at LHC energies

Tuesday, 25 November 2008 15:10 (30 minutes)

Presenter: LÉVAI, Péter (MTA KFKI RMKI, Budapest, Hungary)

Session Classification: Future plans at CERN

Contribution ID: **10**

Type: **not specified**

New read-out system of the NA61 Experiment at CERN SPS

Tuesday, 25 November 2008 16:00 (30 minutes)

Presenter: LÁSZLÓ, András (MTA KFKI RMKI, Budapest, Hungary)

Session Classification: Developments at SPS and lower energies

Contribution ID: 11

Type: **not specified**

High pt physics in experiments SHINE/NA61 at SPS and CBM at FAIR

Tuesday, 25 November 2008 16:30 (30 minutes)

Presenter: VESZTERGOMBI, György (MTA KFKI RMKI, Budapest, Hungary)

Session Classification: Developments at SPS and lower energies

Contribution ID: 12

Type: **not specified**

Dilepton production at SIS energies

Tuesday, 25 November 2008 17:00 (30 minutes)

Presenter: WOLF, György (MTA KFKI RMKI, Budapest, Hungary)

Session Classification: Developments at SPS and lower energies

Contribution ID: 13

Type: **not specified**

High precision experiments on antiprotonic helium atoms in ASACUSA at CERN

Tuesday, 25 November 2008 17:30 (30 minutes)

Presenter: SÓTÉR, Anna (ELTE, Budapest, Hungary)

Session Classification: Developments at SPS and lower energies

Contribution ID: 14

Type: **not specified**

Conformal Viscous Hydrodynamics and AdS/CFT Correspondence 2.

Wednesday, 26 November 2008 09:00 (50 minutes)

Presenter: BAIER, Rudolph (Uni. Bielefeld, Germany)

Session Classification: Theoretical developments

Contribution ID: 15

Type: **not specified**

QCD Thermodynamics: Recent Lattice Results

Wednesday, 26 November 2008 09:50 (50 minutes)

Presenter: KATZ, Sándor (ELTE University, Budapest, Hungary)

Session Classification: Theoretical developments

Contribution ID: 16

Type: **not specified**

Forward physics plans and prospects at the LHC

Wednesday, 26 November 2008 11:00 (50 minutes)

Presenter: ORAVA, Risto (Helsinki Institute for Physics, Helsinki, Finland)

Session Classification: Diffraction at LHC

Contribution ID: 17

Type: **not specified**

The TOTEM Experiment at LHC and its physics programme

Wednesday, 26 November 2008 11:50 (50 minutes)

Presenter: DEILE, Mario (CERN, Geneva, Switzerland)

Session Classification: Diffraction at LHC

Contribution ID: **18**

Type: **not specified**

Shear viscosity of pure Yang-Mills theory at strong coupling

Wednesday, 26 November 2008 14:00 (50 minutes)

Presenter: JAKOVÁC, Antal (Uni Wuppertal, Germany)

Session Classification: Theoretical developments 2

Contribution ID: 19

Type: **not specified**

Review on the application of Tsallis statistics to RHIC data

Friday, 28 November 2008 11:30 (50 minutes)

Presenter: BIRÓ, Tamás S. (MTA KFKI RMKI, Budapest, Hungary)

Session Classification: Non-perturbative QCD at RHIC and LHC

Contribution ID: **20**

Type: **not specified**

Forward physics at LHC

Wednesday, 26 November 2008 16:00 (30 minutes)

Presenter: JENKOVSKY, László (BITP, Kiev, Ukraine)

Session Classification: Diffraction at LHC and status of the LHC experiments (2)

Contribution ID: 21

Type: **not specified**

The TOTEM Experiment at CERN LHC from the DAQ point of view

Wednesday, 26 November 2008 16:30 (30 minutes)

Presenter: STER, András (MTA KFKI RMKI, Budapest, Hungary)

Session Classification: Diffraction at LHC and status of the LHC experiments (2)

Contribution ID: 22

Type: **not specified**

Status of the ATLAS, LHCb and LHCf experiments

Wednesday, 26 November 2008 17:00 (30 minutes)

Presenter: CSÖRGŐ, Tamás (MTA KFKI RMKI, Budapest, Hungary)

Session Classification: Diffraction at LHC and status of the LHC experiments (2)

Contribution ID: 23

Type: **not specified**

Nuclear Effects in pA and dAu Collisions at RHIC and at LHC energies

Wednesday, 26 November 2008 14:50 (50 minutes)

Presenter: BARNAFÖLDI, Gergely G. (MTA KFKI RMKI, Budapest, Hungary)

Session Classification: Theoretical developments 2

Contribution ID: 24

Type: **not specified**

Dissipative relativistic hydrodynamics

Thursday, 27 November 2008 09:00 (50 minutes)

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

Session Classification: Relativistic hydrodynamics and flow

Contribution ID: 25

Type: **not specified**

Scaling properties of the elliptic flow at RHIC

Thursday, 27 November 2008 09:50 (50 minutes)

Presenter: CSANÁD, Máté (ELTE University, Budapest, Hungary)

Session Classification: Relativistic hydrodynamics and flow

Contribution ID: 27

Type: **not specified**

Preparation for the first p+p physics with the CMS experiment and the plans of the CMS Heavy Ion group

Wednesday, 26 November 2008 17:30 (30 minutes)

Presenter: VERES, Gábor I. (ELTE University, Budapest, Hungary)

Session Classification: Diffraction at LHC and status of the LHC experiments (2)

Contribution ID: 28

Type: **not specified**

Greetings by the Director of MTA KFKI RMKI

Tuesday, 25 November 2008 09:00 (5 minutes)

Presenter: Prof. KAJCSOS, Zsolt (deputy director, MTA KFKI RMKI)

Session Classification: Opening session: Perfect fluid at RHIC and AdS/CFT correspondence

Contribution ID: 29

Type: **not specified**

The influence of hard partons on the bulk elliptic flow

Friday, 28 November 2008 09:00 (50 minutes)

Presenter: TOMASIK, Boris (Uni. Matej Bela, Banska Bystrica, Slovakia)

Session Classification: pQCD at RHIC and LHC

Contribution ID: **30**

Type: **not specified**

The curvature of the QCD phase transition line

Thursday, 27 November 2008 12:00 (30 minutes)

Presenter: ENDRŐDI, Gergely (ELTE University, Budapest, Hungary)

Session Classification: Direct photons and thermalization

Contribution ID: **31**

Type: **not specified**

Particle production in strong fields

Friday, 28 November 2008 09:50 (50 minutes)

Presenter: SKOKOV, Vladimir (JINR Dubna, Russia)

Session Classification: pQCD at RHIC and LHC

Contribution ID: 32

Type: **not specified**

Directly Produced Photons in Au + Au Collisions at RHIC Measured by PHENIX

Thursday, 27 November 2008 11:00 (30 minutes)

Presenter: CSÖRGŐ, for H. Büsching and for the PHENIX Collaboration, presented by Tamás (MTA KFKI RMKI, Budapest, Hungary)

Session Classification: Direct photons and thermalization

Contribution ID: 33

Type: **not specified**

Observables from Relativistic Hydrodynamics

Thursday, 27 November 2008 11:30 (30 minutes)

Presenter: VARGYAS, Márton (ELTE University, Budapest, Hungary)

Session Classification: Direct photons and thermalization

Contribution ID: 34

Type: **not specified**

Thermalization of the Bag Constant

Friday, 28 November 2008 11:00 (30 minutes)

Presenter: GOGOHA, Vahtang (MTA KFKI RMKI, Budapest, Hungary)

Session Classification: Non-perturbative QCD at RHIC and LHC

Contribution ID: 35

Type: **not specified**

Mini-review on Bose-Einstein or HBT correlations

Thursday, 27 November 2008 14:00 (40 minutes)

Presenter: CSÖRGŐ, Tamás (MTA KFKI RMKI, Budapest, Hungary)

Session Classification: Bose-Einstein / HBT correlations

Contribution ID: 36

Type: **not specified**

Indication of eta' mass modification from Bose-Einstein correlations in 200 GeV Au+Au reactions at RHIC

Thursday, 27 November 2008 14:40 (30 minutes)

Presenter: VÉRTESI, Róbert (MTA KFKI RMKI, Budapest, Hungary)

Session Classification: Bose-Einstein / HBT correlations

Contribution ID: 37

Type: **not specified**

Time evolution of particle emission in $e+e-$ annihilation from Bose-Einstein correlations

Thursday, 27 November 2008 15:10 (30 minutes)

Presenter: NOVÁK, Tamás (Károly Róbert College, Gyöngyös, Hungary)

Session Classification: Bose-Einstein / HBT correlations

Contribution ID: **38**

Type: **not specified**

Searching for Extra Dimensions in Compact Stars

Thursday, 27 November 2008 16:00 (40 minutes)

Presenter: LUKÁCS, Béla (MTA KFKI RMKI, Budapest, Hungary)

Session Classification: Astroparticle and theoretical physics

Contribution ID: 40

Type: **not specified**

Pion condensation in the two-flavor chiral quark model at finite baryochemical potential

Thursday, 27 November 2008 16:40 (40 minutes)

Presenter: KOVÁCS, Péter (MTA KFKI RMKI, Budapest, Hungary)

Session Classification: Astroparticle and theoretical physics

Contribution ID: 41

Type: **not specified**

Equation of State, advanced estimates of initial energy densities from final state observables in exact solutions of relativistic hydrodynamics

Thursday, 27 November 2008 17:20 (40 minutes)

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

Session Classification: Astroparticle and theoretical physics

Contribution ID: 42

Type: **not specified**

Greetings by Head, Department of Atomic Physics, ELTE University

Tuesday, 25 November 2008 13:55 (5 minutes)

Presenter: PATKÓS, András (Dept. Atomic Physics, ELTE University, Budapest, Hungary)

Session Classification: Future plans at CERN