

Zimányi 2011 Winter School on Heavy Ion Physics

Report of Contributions

Contribution ID: 0

Type: **not specified**

Opening of the School

Monday, November 28, 2011 8:40 AM (5 minutes)

Presenter: CSANÁD, Máté (Eötvös University)

Session Classification: Opening session - results from CMS

Contribution ID: 1

Type: **not specified**

Welcome at the RMKI

Monday, November 28, 2011 8:45 AM (5 minutes)

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

Session Classification: Opening session - results from CMS

Contribution ID: 2

Type: **not specified**

Review of QCD results from CMS

Monday, November 28, 2011 8:50 AM (45 minutes)

Presenter: SIKLER, Ferenc (MTA KFKI RMKI)

Session Classification: Opening session - results from CMS

Contribution ID: 3

Type: **not specified**

Overview of the Heavy Ion results from the CMS Experiment

Monday, November 28, 2011 9:35 AM (35 minutes)

Presenter: ZSIGMOND, Anna (MTA KFKI RMKI)

Session Classification: Opening session - results from CMS

Contribution ID: 4

Type: **not specified**

Femtoscopy of pp collisions at the LHC with the ALICE experiment

Monday, November 28, 2011 10:30 AM (25 minutes)

Presenter: GRACZYKOWSKI, Lukasz Kamil (Warsaw University of Technology (PL))

Session Classification: Femtoscopy at ALICE and STAR

Contribution ID: 5

Type: **not specified**

DEtaDPhi angular correlations in pp collisions at LHC/ALICE

Monday, November 28, 2011 10:55 AM (25 minutes)

Presenter: JANIK, Malgorzata Anna (Warsaw University of Technology (PL))

Session Classification: Femtoscopy at ALICE and STAR

Contribution ID: 6

Type: **not specified**

J/Psi polarization in p+p collisions at $\sqrt{s}=200\text{GeV}$ at STAR

Monday, November 28, 2011 11:20 AM (25 minutes)

Presenter: TRZECIAK, Barbara (Warsaw University of Technology)

Session Classification: Femtoscopy at ALICE and STAR

Contribution ID: 7

Type: **not specified**

Recent femtoscopy results from Beam Energy Scan program at STAR

Monday, November 28, 2011 11:45 AM (25 minutes)

Presenter: OSTROWSKI, Piotr Krystian (Warsaw University of Technology)

Session Classification: Femtoscopy at ALICE and STAR

Contribution ID: 8

Type: **not specified**

Tsallis-Pareto-like fragmentation functions based on $e^+ + e^-$ annihilations

Monday, November 28, 2011 2:00 PM (30 minutes)

Presenter: KALMÁR, Gergely (MTA KFKI RMKI)

Session Classification: Fragmentation and other models

Contribution ID: 9

Type: **not specified**

Non-extensive Statistics in Parton Fragmentation

Monday, November 28, 2011 2:30 PM (30 minutes)

Presenter: ÜRMÖSSY, Károly (MTA KFKI RMKI)

Session Classification: Fragmentation and other models

Contribution ID: 10

Type: **not specified**

Entropy Production and Particle Yields in Heavy Ion Collisions at LHC

Monday, November 28, 2011 3:00 PM (30 minutes)

Presenter: LUKÁCS, Béla (MTA KFKI RMKI)

Session Classification: Fragmentation and other models

Contribution ID: 11

Type: **not specified**

Status of the LHCb, LHCf, MoEDAL experiments

Monday, November 28, 2011 3:50 PM (45 minutes)

Presenter: CSÖRGŐ, Tamás (MTA KFKI RMKI)

Session Classification: Results from LHC and NA61/SPS

Contribution ID: 12

Type: **not specified**

Status and plans of the ion program of NA61 at the CERN SPS

Monday, November 28, 2011 4:35 PM (45 minutes)

Presenter: FODOR, Zoltan (MTA KFKI RMKI)

Session Classification: Results from LHC and NA61/SPS

Contribution ID: 13

Type: **not specified**

Low Momentum Particle Detector at NA61/SHINE Experiment

Monday, November 28, 2011 5:20 PM (35 minutes)

Presenter: MARTON, Krisztina (Eötvös University)

Session Classification: Results from LHC and NA61/SPS

Contribution ID: 14

Type: **not specified**

Recent lattice results on the QCD phase diagram

Tuesday, November 29, 2011 9:00 AM (45 minutes)

Presenter: KATZ, Sándor (Eötvös University)

Session Classification: The QCD medium created in HIC

Contribution ID: 15

Type: **not specified**

Medium effects are all hadrons alike?

Tuesday, November 29, 2011 9:45 AM (45 minutes)

Presenter: LEE, Su Houng (Yonsei University)

Session Classification: The QCD medium created in HIC

Contribution ID: 16

Type: **not specified**

In-medium reduction of the η' mass in $\sqrt{200}$ GeV Au+Au collisions

Tuesday, November 29, 2011 11:30 AM (30 minutes)

Presenter: CSÖRGŐ, Tamás (MTA KFKI RMKI)

Session Classification: Mass modifications and results from PHENIX

Contribution ID: 17

Type: **not specified**

Status of the PHENIX experiment at RHIC

Tuesday, November 29, 2011 10:50 AM (40 minutes)

Presenter: VERTESI, Robert (MTA KFKI RMKI)

Session Classification: Mass modifications and results from PHENIX

Contribution ID: **18**

Type: **not specified**

Mass reduction of the eta prime meson in hot QCD matter

Tuesday, November 29, 2011 12:00 PM (25 minutes)

Presenter: VARGYAS, Marton (Eötvös University)

Session Classification: Mass modifications and results from PHENIX

Contribution ID: 19

Type: **not specified**

Status of the ALICE Experiment and recent theoretical results

Tuesday, November 29, 2011 2:00 PM (45 minutes)

Presenter: LEVAI, Peter (MTA KFKI RMKI)

Session Classification: Results from ALICE and detector development

Contribution ID: 20

Type: **not specified**

Experimental study of Quark and Gluon jets in pp collisions at LHC energies

Tuesday, November 29, 2011 2:45 PM (30 minutes)

Presenter: POCHYBOVA, Sona (MTA KFKI RMKI)

Session Classification: Results from ALICE and detector development

Contribution ID: 21

Type: **not specified**

Gaseous Beam Position Detectors, with Low Cost and Low Material Budget

Tuesday, November 29, 2011 3:45 PM (30 minutes)

Presenter: BENCEDI, Gyula (MTA KFKI RMKI)

Session Classification: Results from ALICE and detector development

Contribution ID: 22

Type: **not specified**

High pT Tigger Detector Upgrade for ALICE

Tuesday, November 29, 2011 3:15 PM (30 minutes)

Presenter: HAMAR, Gergo (MTA KFKI RMKI)

Session Classification: Results from ALICE and detector development

Contribution ID: 23

Type: **not specified**

Introduction to TPCD's

Tuesday, November 29, 2011 4:30 PM (20 minutes)

Presenter: KOVACS, Levente (Eötvös University)

Session Classification: Detector development

Contribution ID: 24

Type: **not specified**

TPCD, a New Gaseous Photon Detector

Tuesday, November 29, 2011 4:50 PM (25 minutes)

Presenter: MÁTYÁS, Miklós (Eötvös University)

Session Classification: Detector development

Contribution ID: 25

Type: **not specified**

Muon Tomography Experiments in Natural Caves

Tuesday, November 29, 2011 5:15 PM (25 minutes)

Presenter: OLAH, Laszlo (CERN)

Session Classification: Detector development

Contribution ID: 26

Type: **not specified**

Data Acquisition System for Portable Particle Detector

Tuesday, November 29, 2011 5:40 PM (25 minutes)

Presenter: MELEGH, Gergely Hunor (BUTE)

Session Classification: Detector development

Contribution ID: 27

Type: **not specified**

Welcome at the Eötvös University

Wednesday, November 30, 2011 9:00 AM (5 minutes)

Presenter: FREI, Zsolt (Eötvös University)

Session Classification: Hydrodynamics

Contribution ID: 28

Type: **not specified**

On the phase diagram in T-mu-Nc

Wednesday, November 30, 2011 9:05 AM (30 minutes)

Presenter: LOTTINI, Stefano (Institut für Theoretische Physik)

Session Classification: Hydrodynamics

Contribution ID: 29

Type: **not specified**

A relativistic hydro model compared to LHC data

Wednesday, November 30, 2011 9:35 AM (20 minutes)

Presenter: LÖKÖS, Sándor (Eötvös University)

Session Classification: Hydrodynamics

Contribution ID: **30**

Type: **not specified**

Time evolution of QGP via photon observables

Wednesday, November 30, 2011 9:55 AM (25 minutes)

Presenter: MÁJER, Imre (Eötvös University)

Session Classification: Hydrodynamics

Contribution ID: 31

Type: **not specified**

Complete second order fluid dynamics from the Boltzmann equation

Wednesday, November 30, 2011 10:35 AM (30 minutes)

Presenter: MOLNÁR, Etele (MTA KFKI RMKI)

Session Classification: Hydrodynamics

Contribution ID: 32

Type: **not specified**

Space-time structure of the hadronic fireball

Wednesday, November 30, 2011 11:05 AM (30 minutes)

Presenter: ANCHISHKIN, Dmitry (BITP)

Session Classification: Hydrodynamics

Contribution ID: 33

Type: **not specified**

Recent developments in relativistic hydrodynamics

Wednesday, November 30, 2011 11:35 AM (30 minutes)

Presenter: NAGY, Marton (Eötvös University)

Session Classification: Hydrodynamics

Contribution ID: 34

Type: **not specified**

Recent development of hydrodynamic simulations in relativistic heavy ion collisions

Wednesday, November 30, 2011 2:00 PM (1 hour)

Presenter: HIRANO, Tetsufumi (Sophia University / The University of Tokyo)

Session Classification: Hydrodynamics

Contribution ID: 35

Type: **not specified**

Playing with particles: Quark Matter, Cosmic Shower, Let's Detect! (an interactive session)

Wednesday, November 30, 2011 3:00 PM (30 minutes)

Presenter: CSÖRGŐ, Judit (Eötvös University)

Session Classification: Hydrodynamics

Contribution ID: 36

Type: **not specified**

Measurements of meson mass at J-PARC

Thursday, December 1, 2011 9:00 AM (45 minutes)

Presenter: OZAWA, Kyoichiro (Graduate School of Science-University of Tokyo)

Session Classification: Mesons

Contribution ID: 37

Type: **not specified**

Mesons in a chirally symmetric model

Thursday, December 1, 2011 9:45 AM (45 minutes)

Presenter: WOLF, György (MTA KFKI RMKI)

Session Classification: Mesons

Contribution ID: **38**

Type: **not specified**

A method of eta' rejection in high-energy Au+Au and p+p collisions

Thursday, December 1, 2011 10:50 AM (30 minutes)

Presenter: KÓFARAGÓ, Mónika (Eötvös University)

Session Classification: Mass modifications and effective models

Contribution ID: 39

Type: **not specified**

Status of the ATLAS experiment

Thursday, December 1, 2011 11:20 AM (40 minutes)

Presenter: CSÖRGŐ, Tamás (MTA KFKI RMKI)

Session Classification: Mass modifications and effective models

Contribution ID: 40

Type: **not specified**

Simulation of Pair Production in Extreme Fields

Thursday, December 1, 2011 12:00 PM (20 minutes)

Presenter: BERENYI, Daniel (MTA KFKI RMKI)

Session Classification: Mass modifications and effective models

Contribution ID: 41

Type: **not specified**

Self-similar solution of the three dimensional Navier-Stokes Equation

Thursday, December 1, 2011 5:05 PM (30 minutes)

Presenter: BARNA, Imre Ferenc (MTA KFKI AEKI)

Session Classification: Flow and hydrodynamic models

Contribution ID: 42

Type: **not specified**

Different initial states and the collective flow

Thursday, December 1, 2011 4:20 PM (45 minutes)

Presenter: CSERNAI, Laszlo (U. Bergen and MTA KFKI RMKI)

Session Classification: Flow and hydrodynamic models

Contribution ID: 43

Type: **not specified**

The 2011 Nobel-prize in physics and its Hungarian connections

Thursday, December 1, 2011 3:10 PM (50 minutes)

Presenter: HORVÁTH, István (ZMNE)

Session Classification: Special session on the topic of the 2011 Nobel Prize in Physics

Contribution ID: 44

Type: **not specified**

Status of the TOTEM experiment

Thursday, December 1, 2011 2:00 PM (45 minutes)

Presenter: CSÖRGŐ, Tamás (MTA KFKI RMKI)

Session Classification: Results from TOTEM

Contribution ID: 45

Type: **not specified**

Detailed analysis of high energy proton-proton d σ /dt including TOTEM results

Thursday, December 1, 2011 2:45 PM (25 minutes)

Presenter: NEMES, Frigyes (MTA KFKI RMKI)

Session Classification: Results from TOTEM

Contribution ID: 46

Type: **not specified**

Correlations in double parton distributions at small x

Thursday, December 1, 2011 5:35 PM (30 minutes)

Presenter: STER, Andras (MTA KFKI RMKI)

Session Classification: Flow and hydrodynamic models

Contribution ID: 47

Type: **not specified**

Exotic Hadrons in Heavy Ion Collisions

Friday, December 2, 2011 10:50 AM (45 minutes)

Presenter: CHO, Sungtae (Yonsei University)

Session Classification: Mass modifications and effective models

Contribution ID: 48

Type: **not specified**

Nonlocal effective models

Friday, December 2, 2011 11:35 AM (30 minutes)

Presenter: JAKOVAC, Antal (BUTE)

Session Classification: Mass modifications and effective models

Contribution ID: 49

Type: **not specified**

Resummations in the Bloch-Nordsieck model

Friday, December 2, 2011 12:05 PM (25 minutes)

Presenter: MATI, Péter (BUTE)

Session Classification: Mass modifications and effective models

Contribution ID: 50

Type: **not specified**

The thermal model at the LHC

Friday, December 2, 2011 9:00 AM (45 minutes)

Presenter: CLEYMANS, Jean (University of Cape Town)

Session Classification: Thermal concepts

Contribution ID: 51

Type: **not specified**

Why do thermal models work? Are there alternatives?

Friday, December 2, 2011 9:45 AM (45 minutes)

Presenter: BIRO, Tamas (MTA KFKI RMKI)

Session Classification: Thermal concepts

Contribution ID: 52

Type: **not specified**

Introduction of the Academia Europaea

Friday, December 2, 2011 12:30 PM (25 minutes)

Presenter: CSERNAI, Laszlo (U. Bergen and MTA KFKI RMKI)

Session Classification: Closing session

Contribution ID: 53

Type: **not specified**

Closing of the School

Friday, December 2, 2011 12:55 PM (5 minutes)

Presenter: CSANÁD, Máté (Eötvös University)

Session Classification: Closing session