

# X Workshop on Particle Correlations and Femtoscopy WPCF 2014

## Monday 25 August 2014

### Session 1 - Lecture Hall 5 (09:00-10:35)

time	title	presenter
09:00	Greetings from KRF	HELGERTNÉ SZABÓ, Ilona
09:05	HBT correlations and composite nature of hadrons	BIALAS, Andrzej
09:35	Correlation femtoscopy of pi and K at RHIC and LHC from a hydrokinetic model	SINYUKOV, Yuriy
10:05	Event geometrical anisotropy and fluctuation viewed by HBT interferometry	NIIDA, Takafumi

### Session 2 - Lecture Hall 5 (11:00-12:30)

time	title	presenter
11:00	BEC in e+e- annihilation	METZGER, Wesley
11:30	Femtoscopy with identified hadrons in pp, pPb, and peripheral PbPb coll. in CMS	SIKLÉR, Ferenc
12:00	Anisotropic flow measurements at LHC energies	WEBER, Michael

### Session 3 - Diffraction - Lecture Hall 5 (14:00-15:30)

time	title	presenter
14:00	Multiple diffraction theory of elastic pp scattering, with applications to 7 TeV pp data from LHC	GLAUBER, Roy J.
14:30	Overview of TOTEM results on total cross-section, elastic scattering and diffraction at LHC	GIANI, Simone
15:00	Cross sections and final states in diffractive excitation	GUSTAFSON, Gosta

### Session 4: Outreach - Lecture Hall 5 (16:00-18:00)

time	title	presenter
16:00	Marketing of Rubik's Cube as an Educational Tool	KISS, Sándor
16:30	Perfect Fluid of Quarks and the 40th Anniversary of Rubik's Cube	CSORGO, Tamas
16:40	Rubik Robot at KRF	MUCSICS F., Laszlo PÁNTYA, Róbert
16:55	Poker with quarks and leptons	VARGYAS, Marton
17:05	GeoMatech: Application of Modelling Tasks in the Classroom	KOREN, Balázs
17:20	Quark Wars	NOVAK, Tamas
17:35	International Particle Physics Outreach Group (IPPOG)	MELO, Ivan
17:45	Teaching with the iPad	LISA, Mike

## Tuesday 26 August 2014

### **Session 5 - Lecture Hall 5 (09:00-10:40)**

time	title	presenter
09:00	Low transverse-mom. pion production in heavy-ion coll. at the LHC	FLORKOWSKI, Wojciech
09:30	Higher flow harmonics and ridge effect in PbPb coll with HYDJET++	EYYUBOVA, Gyulnara
09:55	Azimuthally-sensitive two-pion interferometry in U+U collisions at STAR	CAMPBELL, John
10:10	Orientation resolution in U+U Collisions	GOLDSCHMIDT, Andy
10:25	Angular correlations of identified hadrons in pp collisions from ALICE	JANIK, Malgorzata Anna

### **Session 6 - Lecture Hall 5 (11:10-12:40)**

time	title	presenter
11:10	Chaoticity and coherence in intensity interferometry	WONG, Cheuk-Yin
11:40	Quantum coherence using 2-, 3-, and 4-pion B-E correlations	GANGADHARAN, Dhevan Raja
12:10	Deformed Bose gas models: correlations, thermodynamics and the uses	GAVRILIK, Alexandre

### **Session 7 - Lecture Hall 5 (14:00-15:30)**

time	title	presenter
14:00	Generalized Bialas-Bzdak model for measuring the size of the proton at LHC	CSORGO, Tamas
14:15	Elastic and inelastic diffraction at the LHC	JENKOVSZKY, Laszlo
14:35	LHC Optics meas. with proton tracks detected by the Roman Pots of the TOTEM	NEMES, Frigyes Janos
14:50	Total, inelastic and elastic x-sect. of high-E pp, pA, gA reactions with dipole formalism	STER, Andras
15:05	Measurement of the pp total cross-section using the ALFA in ATLAS	KREUTZFELDT, Kristof

### **Session 8 - Lecture Hall 5 (16:00-18:10)**

time	title	presenter
16:00	Alpha clustering and flow in light-heavy systems	BRONIOWSKI, Wojciech
16:30	Higher flow harmonics in analytic hydro and asymmetry mixing	CSANAD, Mate
16:48	Collective correlations in Heavy Ion Collisions	CSERNAI, Laszlo Pal
17:06	Study of rotating systems with the differential HBT method	VELLE, Sindre
17:24	Analytic solution of 3D fireball hydrodynamics without spheroidal symmetry	NAGY, Marton
17:42	Observables and in. cond. from self-similar, spheroidal rotating sol's of hydrodynamics	BARNA, Imre Ferenc

### **Closed session: ET-Hungary project - Rectors Council Room (19:00-21:00)**

## Wednesday 27 August 2014

### **Session 9 - Lecture Hall 5 (09:00-10:30)**

time	title	presenter
09:00	Highlights of the RHIC Beam Energy Scan with STAR	LISA, Mike
09:30	Beam-energy and system-size dependence of the space-time extent of the pion source in heavy ion collisions	LACEY, Roy
10:00	Energy dependence of space-time extent of pion source in nuclear collisions	OKOROKOV, Vitaly

### **Session 10 - Lecture Hall 5 (11:00-12:30)**

time	title	presenter
11:00	Femtoscopy and correlations in d-Au collisions	BOZEK, Piotr
11:20	Freezeout radii from 3-pion cumulants in pp, pPb and PbPb coll	GANGADHARAN, Dhevan Raja
11:40	Flow and femtoscopy at RHIC BES in a viscous hydro+cascade model	KARPENKO, Iurii
12:05	Overview of Elliptic Flow Measurement at RHIC Energies	PANDIT, Yadav

### **Closed session: WPCF 2014 IAC: evaluation and planning - Rectors Council Room (19:30-21:30)**

## Thursday 28 August 2014

### **Session 11 - Lecture Hall 5 (09:00-10:30)**

time	title	presenter
09:00	Measuring baryon-baryon potentials with residual correlations	KISIEL, Adam
09:30	Charged kaon Bose-Einstein correlations in pp collisions at STAR	LISA, Mike NIGMATKULOV, Grigory
09:45	Femtoscopic p-Lambda Correlations in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV	BECK, Hans
10:00	Femtoscopic with lambda baryons in Pb-Pb collisions with ALICE	SALZWEDEL, Jai
10:15	Neutral kaon femtoscopic correlations in Pb-Pb collisions with ALICE	STEINPREIS, Matthew Donald

### **Session 12 - Lecture Hall 5 (11:00-12:40)**

time	title	presenter
11:00	Cross section fluctuations in hadronic and nuclear collisions	RYBCZYNSKI, Maciej
11:25	An MC study of multiplicity fluctuations in Pb-Pb collisions at LHC energies	GUPTA, Ramni
11:45	PT dependent event-plane angle: understanding ini. state fluct. in PbPb & pPb	DEVETAK, Damir
12:00	Correction methods for finite-acceptance effects in two-particle correlation analysis	OH, Saehanseul
12:20	A linear iterative unfolding method for imaging	LASZLO, Andras

### **Session 13 - Lecture Hall 5 (14:00-15:50)**

time	title	presenter
14:00	Elliptic flow of identified particles measured with ALICE	CHRISTAKOGLU, Panos
14:30	Generic framework for anisotropic flow analyses with multi particle azimuthal correlations	HANSEN, Alexander
14:50	Apparent flow from pp to AA due to radiation	HORVÁTH, Miklós
15:05	Correlations and elliptic azim. anisotropy of heavy flavours measured with ALICE	MOREIRA DE GODOY, Denise Aparecida
15:30	Ripples on relativistically expanding fluid	LIAO, Jinfeng

### **Session 14 - Lecture Hall 5 (16:20-18:00)**

time	title	presenter
16:20	Femtoscopic in event by event hydrodynamics	BOZEK, Piotr
16:40	Freeze-out state from analysis of transverse mom. spectra in PbPb coll. at 2.76 ATeV	MELO, Ivan
17:00	Multidimensional analysis of BEC in pp coll. at 2.76 and 7 TeV in CMS	PADULA, Sandra
17:25	Event shape dependent identical pion femtoscopy in pp collisions	SIMATOVIC, Goran
17:40	Multiplicity and s dependence of hadron spectra and $v_2$ at RHIC and LHC	UERMÖESSY, Karoly

## Friday 29 August 2014

### **Session 15 - Lecture Hall 5 (09:00-10:35)**

time	title	presenter
09:00	Study of in-medium mass modification at J-PARC	AOKI, Kazuya
09:30	Measure of coherence and incoherence in pi-A collisions	WOLF, Gyuri
09:55	Identified particle correlations at small relative mom. Al+Al and Ni+Ni 1.9A GeV	CHARVIAKOVA, Volha
10:15	Quantization of the QCD string with helical structure	TODOROVA, Sarka

### **Session 16 - Lecture Hall 5 (11:05-12:35)**

time	title	presenter
11:05	How large is the Knudsen number reached in ultrarelativistic HIC?	DENICOL, Gabriel
11:30	Effective energy dissipation and particle production in HIC	MISHRA, Aditya Nath
11:50	Transport coefficients for bulk viscous evolution in the relaxation-time approximation	RYBLEWSKI, Radoslaw
12:15	Pion pt spectrum, elliptic flow and interferometry in the granular source model for Heavy Ion Collisions	YANG, Jing

### **Session 17 - Lecture Hall 5 (14:00-15:35)**

time	title	presenter
14:00	Charge splitting of directed flow in heavy ion collisions	RYBICKI, Andrzej
14:20	Elliptic flow from causal hydrodynamic fluctuations	MURASE, Koichi
14:35	Study of collective phenomena in pPb collisions by the CMS experiment	TUO, Shengquan
14:50	3D pion femtoscopy measurements in p-Pb collisions in ALICE	GRACZYKOWSKI, Lukasz Kamil
15:05	Measurement of direct photon 3rd order azimuthal anisotropy in AuAu collisions	MIZUNO, Sanshiro
15:20	Extracting p-Lambda scattering lengths from heavy ion collisions	SHAPOVAL, Volodymyr

### **Closing/Summary Session 18 - Lecture Hall 5 (16:05-16:45)**

time	title	presenter
16:05	Summary	
16:35	Next WPCF	