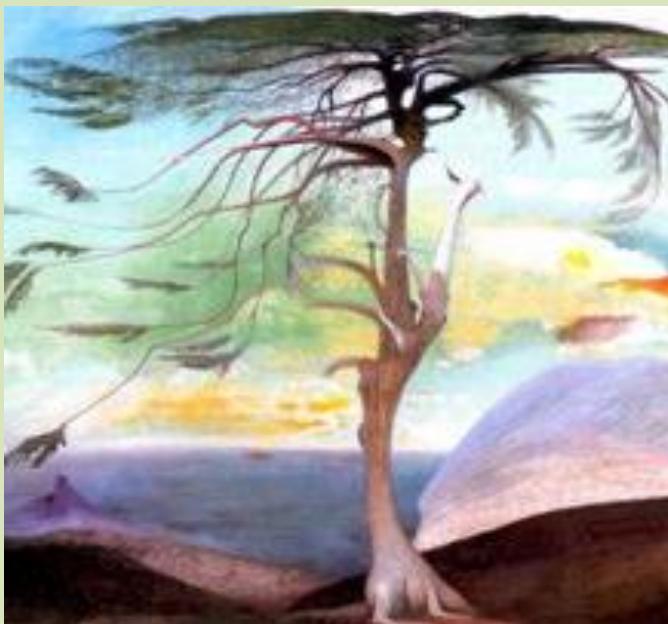


Zimányi School 2012

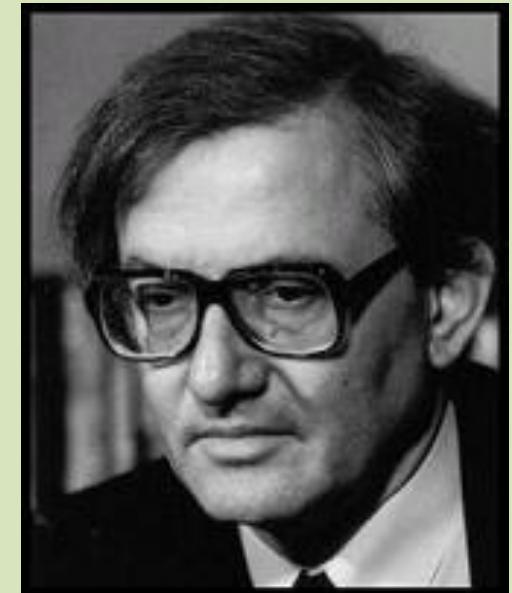


T. Kosztka Csontváry: The Lonely Cedar

12. Zimányi

WINTER SCHOOL ON
HEAVY ION PHYSICS

December 3-7.
Budapest, Wigner
RCP



Zimányi József (1931 - 2006)

82 participants

35 students

63 talks

26 institutions

12 countries, 20 cities

Bogolyubov Institute for Theoretical Physics
Brookhaven National Laboratory
Budapest University of Technology
Centre for Energy Research, Hungarian Academy of Sciences
CERN
Eötvös University
Helsinki Institute of Physics
Hiroshima University
Institute of Nuclear Physics, Polish Academy of Sciences
INFN-LNS Catania
Universita di Catania
Institute of Physics, Slovak Academy of Sciences
Károly Róbert College
Nikhef
Nuclear Physics Institute, Czech Academy of Sciences
Ohio State University
Jan Kochanowski University, Kielce
Pavol Jozef Šafárik University, Košice
Matej Bel University, Banská Bystrica
University of Bergen
University of Zilina
Utrecht University
Warsaw University of Technology
Wigner RCP

Amsterdam
Banská Bystrica
Bergen
Bratislava
Budapest
Catania
Geneva
Gyöngyös
Helsinki
Hiroshima
Kielce
Kiev
Košice
Kraków
Rez
Upton, NY
Utrecht
Warsaw
Zilina

08:00	Opening (until 09:00)	08:00	Tuesday 1 (until 10:20)	08:00	Wednesday 1 (until 10:20)	08:00	Welcome at the Eötvös University (until 09:00) (Room 7.22, Council room)	08:00	Friday 1 (until 10:30)
08:50	Opening of the school - Mate Csányai	09:00	Two-component Non-extensive Boltzmann equation and thermalization - Miklós Horváth (Wigner RCP)	09:00	Effects of chain decays, radial flow and UA(1) restoration on the low-mass dilepton enhancement in $s_{NN} = 200$ GeV Au+Au reactions - Márton Varga (ELTE)	09:00	Frobbing the quantum vacuum by high-intensity lasers - Kuniaki Homma (Hiroshima University)	09:00	Perspectives of laser acceleration of particles - Béndőr Verő (Wigner RCP)
08:55	Welcome at the Wigner RCP - Péter Leval (Hungarian Academy of Sciences (HU))	09:30	Derivation of Tsallis entropy and the temperature of quark-gluon plasma - Péter Ván (Wigner RCP)	09:20	Muon tomography - László Gálh	09:30	Elastic scattering and diffraction dissociation at the LHC - László Jenkovszky (National Academy of Sciences of Ukraine)	09:30	Latest results on pair production in strong inhomogeneous external fields - Daniel Bercini (Hungarian Academy of Sciences (HU))
09:00	Monday 1 (until 10:30)	10:00	Statistical Jet-fragmentation at LEP and LHC - Karoly Urmássy (Hungarian Academy of Sciences (HU))	09:40	Angular correlations of non-identified particles in pp collisions in ALICE - Jeremi Niedziela (Warsaw University of Technology (PL))	09:30	Meson vacuum phenomenology: which scalar mesons are members of the meson nonet? - Péter Kovács (Wigner RCP)	10:00	— Coffee break —
09:30	Production of Xi hyperon in nuclear collisions at subthreshold energies - Boris Tomasik (Universita Mateja Bela (SK))	10:20	— Coffee break —	10:00	Angular correlations of identified particles in pp collisions in ALICE - Anna Zalecka (Warsaw University of Technology (PL))	10:00	Integrable aspects of AdS/CFT - Zoltán Bajnok (Wigner RCP)	11:00	Friday 2 (until 12:00) (Building 1, Seminar hall)
10:00	Correlations and space-time probes in heavy-ion collisions - Giuseppe Verde	10:36	Tuesday 2 (until 12:35)	10:20	— Coffee break —	10:30	— Coffee break —	11:00	40th Anniversary of QCD: High pT physics from ICHEP 1972 to ICHEP 1982 with applications to RHIC collisions (Wigner Seminar) - Michael Tannenbaum (Brookhaven National Laboratory (US))
10:30	— Coffee break —	10:35	New rotational solutions of hydrodynamics - Tamás Ferenc Csorgó (Wigner RCP)	10:35	Wednesday 2 (until 13:25)	10:45	Reciprocity - a symmetry of quantum and wave scattering processes - Tamás Fülöp (Wigner RCP)	11:30	Slides
10:45	Access to particle-particle emitting source at intermediate energy - Emanuele Paganini (INFN-LNL and Università di Catania)	11:05	Tsallis-Pareto-like distributions in fragmentation - Gergely Kalmar (Eötvös Loránd University)	10:35	Low momentum particle identification and its applications in CMS - Ferenc Sikler (Wigner RCP, Budapest (HU))	11:15	New non-perturbative analytical equation of state for SU(3) gluon plasma - Vaheant Gogolia (Wigner RCP)	11:30	Slides
11:15	Plastic Freezeout Hypersurfaces in Relativistic Nucleus-Nucleus Collisions - Dmitry Archishkin (Bogoliubov Institute for Theoretical Physics (ITP))	11:55	Investigating m_T dependence of HBT radii in hydrodynamic models - Mateusz Wojciech Galyzyn (Warsaw University of Technology (PL))	11:05	Recent results on the modifications to hard probes in p-Pb collisions from the CMS Collaboration - Yen-Jie Lee (CERN)	11:45	Thermodynamics of the O(N) model using Phi-derivable approximations - Zsolt Szép (Hungarian Academy of Sciences)	11:30	Slides
11:45	Correlations in p-Pb collisions - Wojciech Broniowski (IFJ PAN)	12:15	New exact solutions of relativistic hydrodynamics for an IQCD inspired equation of state - Béndőr Lőkös (Eötvös University)	11:35	Results on photon and electroweak boson production in p-Pb collisions from the CMS Collaboration - Anna Zsigmond (Hungarian Academy of Sciences (HU))	12:15	A solvable toy model for QED at finite T - Péter Matijevic	11:30	Slides
12:15	— Lunch break —	12:35	— Lunch break —	12:05	MasterClass: Looking for strange particles in ALICE - Katarzyna Dominika Buras (Warsaw University of Technology (PL)) Rafał Samecki (Warsaw University of Technology (PL))	12:35	— Lunch break —	11:30	Slides
14:00	Monday 3 (until 16:10)	14:00	Tuesday 3 (until 16:00)			14:10	Thursday 3 (until 16:45) (0.81 Orsay seminar hall)		
14:00	Recent results from ALICE - Péter Leval (Hungarian Academy of Sciences (HU))	14:00	Anisotropic hydrodynamics - Wojciech Florkowski (Institute of Nuclear Physics, Krakow)			14:10	Charmonium spectral functions in 2+1 flavour lattice QCD - Attila Pásztor (Eötvös University)		
14:40	Heavy flavour production at the CERN-LHC - Andre Mischke (University of Utrecht (NL))	14:30	Charge correlations and balance functions at the LHC - Panos Christakoglou (NIKHEF (NL))			14:30	QCD Thermodynamics With Continuum Extrapolated Wilson Fermions - Norbert Trottobis (Eötvös University)		
15:10	Chaoticity Measurements in Pb-Pb Collisions at $s_{NN} = 2.76$ TeV in ALICE - Deven Raja Gangadhara (Ohio State University (US))	15:00	A scaling law of elliptic flow in $s_{NN} = 7.7-39$ GeV Au+Au collisions - Andras Bter (Res. Inst. Particle & Nucl. Phys. - Hungarian Academy of Science)			15:00	Lattice QCD and the strongly interacting matter (One) Seminar - Péter Petreczky (BNL)		
15:40	Kaon source Imaging with STAR - Robert Vértesi	15:30	Three dimensional compressible Navier-Stokes equation a pure self-similar solution - Imre Ferenc Barna (MTA KFKI AEKI)			16:15	Lattice perspectives on a composite Higgs particle - Daniel Nagrasi (Eötvös University, Budapest, Hungary)		
16:10	— Coffee break —					16:45	— Coffee break —		
18:20	Monday 4 (until 17:40)	16:00	— Coffee break —			17:00	Thursday 4 (until 19:15) (Room 7.22, Council room)		
18:20	The TOTEM Experiment: Results and Perspectives - Mario Delle (CERN)	18:16	Tuesday 4 (until 18:40)	16:15	Higgs and SUSY results from CMS - Dézső Horváth (Hungarian Academy of Sciences (HU))	17:00	CERN NA61 hadron beam physics perspectives - Dézső Varga (Eötvös Loránd University (HU))		
17:00	Controlling the TOTEM experiment at the CERN LHC - Fernando Lucas Rodriguez (CERN)	17:00	Nuclear Effects in p-A Collisions at the Highest Energies - Gergely Barnaföldi (Hungarian Academy of Sciences (HU))			17:45	Low momentum proton identification in p+A interaction at SPS energies - Krisztina Márton (Eötvös Loránd University (HU))		
17:40	— Coffee break —					18:05	First results from the PHENIX and STAR energy scan program - Tamás Ferenc Csorgó (KFKI Research Institute for Particle and Nuclear Physics-Hungary)		
17:50	High resolution scan for micropattern gaseous photon detectors - Gergely Hamar (MTA KFKI RMKI)	17:30	Initial energy density and pseudorapidity distributions at LHC - Mate Csányai			18:45	REGGAE - generator for uniform filling of the Lorentz invariant phase space - Ivan Melo (University of Zilina (SK))		
18:10	LHC optics estimation - Frigyes János Nemes (Hungarian Academy of Sciences (HU))	17:50	Recent ideas in forward physics - Risto Orava (University of Helsinki and Helsinki Institute of Physics)						
18:30	Detailed Analysis of p+p Elastic Scattering Data in the Quark-Diquark Model - Frigyes János Nemes (Hungarian Academy of Sciences (HU))	18:10	Entropy Production and Particle Yields in Heavy Ion Collisions at LHC - Béla Lukács (Wigner RCP)						
18:50	The Young Academy of Europe - Andre Mischke (University of Utrecht (NL))	19:15	— Conference dinner —						