



The first Symposium
of the Division for Physics of Fundamental Interactions
of the Polish Physical Society

Various Faces of QCD

Kielce, May 10-11, 2014



Saturday, May 10		
08:30 – 09:00	Registration	
Session 09:00 – 11:00, chair Stanisław Mrówczyński		
09:00 – 09:30	Krzysztof Kurek	<i>Understanding the nucleon's structure</i>
09:30 – 10:00	Stanisław Głazek	<i>Dynamics of effective gluons</i>
10:00 – 10:30	Robert Kamiński	<i>Renaissance of the sigma meson, is it interesting?</i>
10:30 – 11:00	Mikołaj Misiak	<i>Three-loop QCD corrections to $B_s \rightarrow \mu^+ \mu^-$</i>
Coffee break 11:00 – 11:30		
Session 11:30 – 13:20, chair Henryk Arodź		
11:30 – 12:00	Maciej Skrzypek	<i>Combining fixed order QCD calculation with the parton shower Monte Carlo</i>
12:00 – 12:30	Lech Szymanowski	<i>Confronting dynamics of NLL BFKL with data of LHC experiments on production of Mueller-Navelet jets</i>
12:30 – 13:00	Krzysztof Kutak	<i>Jets at high energies</i>
13:00 – 13:20	Alina Czajka	<i>Ghosts in Keldysh-Schwinger formalism</i>
Lunch 13:30 – 14:50		
Session 14:50 – 16:30, chair Wojciech Broniowski		
14:50 – 15:20	Krzysztof Golec-Biernat	<i>Double parton distributions</i>
15:20 – 15:50	Jakub Wagner	<i>Generalized parton distributions in spacelike and timelike DVCS</i>
15:50 – 16:10	Katarzyna Deja	<i>Classical limit of QCD and parton's energy loss</i>
16:10 – 16:30	Thomas Klähn	<i>QCD in dense matter - prospects for and beyond NJL-kind effective models</i>
Coffee break 16:30 – 17:00		
Session 17:00 – 18:20, chair Bohdan Grzadkowski		
17:00 – 17:30	Lidia Goerlich	<i>Low-x physics results from HERA</i>
17:30 – 18:00	Grzegorz Gach	<i>Selected results on diffraction at HERA</i>
18:00 – 18:20	Maciej Trzebiński	<i>Forward detectors - the best way to measure diffractive physics at the LHC</i>
18:30 Meeting of the Division for Physics of Fundamental Interactions of the Polish Physical Society		

Sunday, December 15		
Session 9:00 – 11:00, chair Wojciech Florkowski		
9:00 – 9:30	Andrzej Białas	<i>Finite size of hadrons and HBT correlations</i>
9:30 – 10:00	Romuald Janik	<i>AdS/CFT, hydrodynamics and beyond</i>
10:00 – 10:30	Jacek Wosiek	<i>Screening without dynamical quarks</i>
10:30 – 11:00	Michał Praszalowicz	<i>Geometrical scaling - a window to saturation</i>
Coffee break 11:00 – 11:30		
Session 11:30 – 13:30, chair Zygmunt Lalak		
11:30 – 12:00	Krzysztof Redlich	<i>QCD phase diagram and its verification in heavy-ion collisions</i>
12:00 – 12:20	Emil Kaptur	<i>NA61/SHINE results relevant for QCD phase diagram</i>
12:20 – 12:40	Antoni Szczurek	<i>QCD aspects of Higgs boson production</i>
12:40 – 13:10	Jan Kalinowski	<i>Supersymmetric QCD: $\mathcal{N} = 0, 1$ or $\mathcal{N} > 1$?</i>
13:10 – 13:30	Wojciech Kotlarski	<i>Looking for scalar gluons</i>
The end of symposium		