

Helmholtz International Summer School

"PHYSICS OF HEAVY QUARKS AND HADRONS"

July 15-28, 2013, JINR, Dubna

Time	Mon, 15	Tue, 16	Wed, 17	Thu, 18	Fri, 19		
8:30-9:50	Registration						
9:50-10:00	Opening						
10:00-11:00	A. Ali	A. Ali	A. Ali	J. Körner	A. Grozin		
11:00 – 11:30	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break		
11:30-12:30	E. Kuraev	A. Ali	A. Kotikov	M. Ivanov	A. Dzyuba (LHCb)		
12:30-13:30	C. Hambrock	C. Hambrock	R. Faustov	P. Santorelli	S. Tokar (ATLAS)		
13:30 – 15:00	lunch	lunch	lunch	lunch	lunch		
15:00-16:00	P. Colangelo	P. Colangelo	V. Galkin	V. Lyubovitsky	A. Grozin		
16:00 – 16:30	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break		
16:30 – 17:30	A. Parkhomenko	D. Straub	D. Straub	Yu. Surovtsev	S. Nedelko		
17:30 – 18:00	M. Malyshev	C. Jäh	N. Makhaldiani	V. Sagun	C. Hambrock		
18:00 – 18:30	A. Trunin	I. Yeletskikh		M. Deka	A. Rusov		

20.07 Picnic
21.07 Excursion

Time	Mon, 22	Tue, 23	Wed, 24	Thu, 25	Fri, 26
10:00-11:00	S. Gerasimov	N. Kidonakis	N. Kidonakis	N. Kidonakis	M. Vysotsky
11:00 – 11:30	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
11:30-12:30	A. Grozin	D. Kazakov	A. Lenz	A. Lenz	A. Lenz
12:30-13:30	D. Liventsev	M. Ilgenfritz	A. Khodjamirian	A. Khodjamirian	A. Khodjamirian
13:30 – 15:00	lunch	lunch	lunch	lunch	lunch
15:00-16:00	S. Fajfer	S. Fajfer	D. Blaschke	G. Mitselmakher (CMS)	M. Massera (ALICE)
16:00 – 16:30	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
16:30 – 17:30	J. Lange	J. Lange	D. Blaschke	F. Barriero (ATLAS)	V. Saleev
17:30 – 18:00	S. Godunov	E. Pozdeeva	C. Pena	A. Bean (Skype lesson)	A. Shipilova
18:00 – 18:30		S. Liebing	D. Cirillo-Lombardo	A. Bean (Skype lesson)	M. Nefedov

LECTURES

Ali. A.	<i>Rare B Decays in the SM & Current Experiments</i>
Barriero F.	<i>The Higgs from ATLAS</i>
Bean A.	<i>Recent CMS results on heavy quarks and hadrons</i>
Blaschke D.	<i>Quarkonia in hot and dense medium</i>
Colangelo P.	<ol style="list-style-type: none">1. <i>Holography and QCD</i>2. <i>Meson spectroscopy with open charm and beauty</i>
Dzyuba A.	<i>Recent results from LHCb</i>
Fajfer S.	$B \rightarrow D, D^* \tau \bar{\nu}_\tau$
Faustov R.	<i>Spectroscopy and Regge trajectories of heavy quarkonia and B_c mesons</i>
Galkin V.	<i>On weak decays of B_s mesons</i>
Gerasimov S.	<i>Scalar glueball-quarkonia mixing in the $f(0)(1370, 1500, 1710)$ resonances and its implications in the J/Ψ and scalar charmonium decays</i>
Grozin A.	<i>Effective weak Lagrangians in the Standard Model and B decays</i>
Hambrock C.	<i>The multiquark states in the b-quark sector; Form factor determination in $B \rightarrow K^* \ell^+ \ell^-$.</i>
Ilgenfritz M.	<i>The Quark Gluon Plasma from Lattice Gauge Theory</i>
Ivanov M. A.	<i>Heavy quark physics in the covariant quark model</i>
Kazakov D.	<i>Lessons of LHC: Higgs boson and Supersymmetry</i>
Kidonakis N.	<i>Top quark production in hadronic collisions</i>
Khodjamirian A.	<i>QCD sum rules in heavy quark physics</i>
Koerner J.	<i>Helicity amplitudes and angular decay distributions</i>
Kotikov A.	<i>Small-x behavior of the structure functions F_2 and $F_2^{(c)}$</i>
Kuraev E.	<i>QCD jets in fragmentation region in pp collisions</i>
Lange J.	<i>X, Y, Z states</i>
Lenz A.	<i>Mixings and CP violation in the B-meson sector</i>
Liventsev D.	<i>Recent results from Belle</i>
Lyubovitskij V.	<i>Light and Heavy Hadrons in AdS/QCD</i>
Masera M.	<i>Recent results from the ALICE collaboration</i>
Mitselmakher G.	<i>The Higgs from CMS</i>
Nedelko S.	<i>Heavy Ion Collisions: Strong Electromagnetic Field as a Trigger for Deconfinement</i>
Parkhomenko A.	<i>Light-Cone Distribution Amplitudes of Bottom Baryons</i>
Saleev V.	<i>Parton Reggeization Approach: Jet and Dijet production at the LHC</i>
Santorelli P.	<i>CP Violation in Non-leptonic Charmed Meson Decays</i>
Straub D.	<i>Rare decays: covering beyond-the-SM theories</i>

Surovtsev Yu.	<i>The scalar mesons in multi-channel $\pi\pi$ scattering and decays of the ψ and Y families</i>
Vysotsky M.	<i>The rise and fall of the fourth quark-lepton generation</i>
Tokar S.	<i>Latest ATLAS results from the flavour physics</i>

CONTRIBUTED TALKS

Astapov K.	<i>Impact of sgoldstino on Higgs sector physics stay</i>
Jäh Ch.	<i>Evolution equations in mathematical physics. The physical importance of mathematical questions</i>
Godunov S.	<i>Critical nucleus charge in a superstrong magnetic field with the account of a finite nucleus radius.</i>
Malyshev M.	<i>Prompt photon and associated heavy quark production in the kT-factorization approach</i>
Makhaldiani N.	<i>Renormdynamics, Valence Quarks and Multiparticle Production</i>
Nefedov M.	<i>Heavy quarkonium production at LHC in the NRQCD and parton reggeization approach</i>
Pena C.	<i>Quarkonium production in heavy-ion collisions</i>
Pozdeeva E.	<i>Quark-gluon plasma multiplicity related with AdS space modification</i>
Sagun V.	<i>Bimodality phenomenon in finite and infinite systems within an exactly solvable statistical model</i>
Shipilova A.	<i>b-jet production at LHC in the parton reggeization approach</i>
Rusov A.	<i>Rare semileptonic decay $B \rightarrow \pi \ell^+ \ell^-$</i>
Trunin A.	<i>Relativistic corrections to pair charmonium production at LHC</i>
Yeletskikh I.	<i>Modern developments of Quantum Field Theory. Perspectives on space, time, fields and particles</i>
Liebing S.	<i>Can the Lipkin Model for deuteron be expanded to describe composite baryons?</i>
D. Cirillo-Lombardo	<i>Microcanonical ensemble, non-locality and the S-matrix formulation</i>
Deka M.	<i>Quark and Gluon Angular Momenta Contributions to Nucleon Spin</i>