Session Program

12-24 Aug 2018



XIV-th International School-Conference "Actual Problems of Microworld Physics"

Lectures

Belarus, Grodno region Sanatorium "Ozerny", 231753, Grodno region, p/o Ozery, Belarus Hotel website: http://ozerny.by/ glavnaya_en/

Monday 13 August

1:30	
	Lectures Session Location: Belarus, Grodno region, Sanatorium "Ozerny", 231753, Grodno region, p/o Ozery, Belarus Hotel website: http://ozerny.by/glavnaya_en/
	11:30-12:15 Modern heavy ion accelerator facilities in JINR and worldwide
	Speaker Boris Sharkov
	12:15-13:00 Femtoscopy of Heavy Ion Collisions
.3:00	Speaker Richard Lednicky
4:00	Lectures: General session Session Location: Belarus, Grodno region, Sanatorium "Ozerny", 231753, Grodno region, p/o Ozery, Belarus Hotel website: http://ozerny.by/glavnaya_en/
	14:00-14:50 Electromagnetic dipole moment and time reversal invariant interactions for high energy charged baryons in bent crystals at LHC
	Speaker Vladimir Baryshevsky
	Speaker
	Speaker Vladimir Baryshevsky 14:50-15:40 Detecting materials for HEP applications: future of inorganic scintillators Speaker
	Speaker Vladimir Baryshevsky 14:50-15:40 Detecting materials for HEP applications: future of inorganic scintillators Speaker Mikhail Korjik

Tuesday 14 August

09:30	Lectures: Lectures Session Location: Belarus, Grodno region, Sanatorium "Ozerny", 231753, Grodno region, p/o Ozery, Belarus Hotel website: http://ozerny.by/glavnaya_en/
	09:30-11:00 Selected physics results from CMS
	Speaker Wolfgang Friedrich Lohmann
	11:00-11:20 Break
	11:20-13:00 Searching for exotic phenomena with the ATLAS detector
13:00	Speaker Spyridon Argyropoulos
14:00	Lectures: Lectures Session Location: Belarus, Grodno region, Sanatorium "Ozerny", 231753, Grodno region, p/o Ozery, Belarus Hotel website: http://ozerny.by/glavnaya_en/
	14:00-14:45 Quantum field theory in strong external fields at high densities and temperatures (Part 1) Speaker
	Yurii Sitenko 14:45-15:30 Nonperturbative effects for some model of quantum fields
	Speaker Ilya Feranchuk
	15:30-15:50 Break
	15:50-16:35 The Nonperturbative laws of QCD in Experiments (Part 1) Speaker Stepan Shimanskiy
	16:35-17:10 Instantons in Quantum Mechanics and Quantum Field Theory
	Speaker Roman Shulyakovsky
	^{17:10-18:00} Classical and quantum dynamics of twisted (vortex) electron beams in electric and magnetic fields
18:30	Speaker Alexander Silenko

Wednesday 15 August

09:30	Lectures: Lectures
	Location: Belarus, Grodno region, Sanatorium "Ozerny", 231753, Grodno region, p/o Ozery, Belarus Hotel website: http://ozerny.by/glavnaya_en/
	09:30-10:15 The area of high radiation technologies on the basis of the accelerator complex NICA
	Speaker Sergey Tiutiunnikov
	10:15-11:00 Search for QGP at NICA project Speaker
	Oleg Rogachevskiy
	11:00-11:15 Break
	11:15-12:00 MPD TPC status Speaker Sergei Movchan
13:00	12:00-12:30Modular testing system for detectors and front-end electronicsSpeakerVadim Bayev
14:00	Lectures Session Location: Belarus, Grodno region, Sanatorium "Ozerny", 231753, Grodno region, p/o Ozery, Belarus Hotel website: http://ozerny.by/glavnaya_en/
	14:00-14:45Quantum field theory in strong external fields at high densities and temperatures(Part 2)
	Speaker Yurii Sitenko
	14:45-15:30 The Nonperturbative laws of QCD in Experiments (Part 2) Speaker
15:50	Stepan Shimanskiy 15:30-15:50 Break

Thursday 16 August

Interview Speaker Wolfgang Friedrich Lohmann 10:15-11:00 First results on high-precision constraints on Z-Z' mixing with ATLAS and CMS diboson production data at the LHC at 13 TeV and predictions for RUN II Speaker Wolfgang Friedrich Lohmann 10:15-11:00 First results on high-precision constraints on Z-Z' mixing with ATLAS and CMS diboson production data at the LHC at 13 TeV and predictions for RUN II Speaker Alexander Pankov 11:00-11:20 Break 11:20-12:10 Physics with tau-leptons Speaker Wolfgang Friedrich Lohmann 12:10-13:00 Diffraction at the LHC: Results and Problems Speaker Vladimir Petrov Lectures Session Location: Belaus, Grodno region, Sanatorium "Ozerny", 231753, Grodno region, p/o Ozery, Belaus Hotel website http://ozerny.by/glavnaya_en/ 14:00-14:45 Quantum field theory in strong external fields at high densities and temperatures: (Part 3) Speaker Yuri Sitenko 14:45-15:45 Measurability Conception for Quantum Theory, Gravity and Thermodynamics. Some Basic Results and Application Speaker Alexander Shalyt-Margolin	Session	rus, Grodno region, Sanatorium "Ozerny", 231753, Grodno region, p/o Ozery, Belarus Hotel website
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Friday 17 August

09:30	Lectures
	Session
	Location: Belarus, Grodno region, Sanatorium "Ozerny", 231753, Grodno region, p/o Ozery, Belarus Hotel website: http://ozerny.by/glavnaya_en/
	http://ozeniy.by/giavnaya_en/
	09:30-10:15 The model of hadrons and problem of the multi-particles production
	Speaker
	Yurii Kurochkin
	10:15-11:00
	Fundamental and applied aspects of high energy particle interaction with
	oriented crystals
	Speaker
	Victor Tikhomirov
	11:00-11:20 Break
	11:20-12:15
	Bound on a diffuse flux of ultra-high energy neutrinos in the ADD model
	Speaker
	Alexandre Kisselev
	12:15-12:50
	High-precision numerical estimates of Mellin-Barnes integrals using a stationary
	phase contour
	Speaker
13:00	Olga Solovtsova
TD.00	

13:00

Saturday 18 August

09:30	Lectures Session Location: Belarus, Grodno region, Sanatorium "Ozerny", 231753, Grodno region, p/o Ozery, Belarus Hotel website: http://ozerny.by/glavnaya_en/
	09:30-10:15 CMS Endcap Calorimeter Upgrade
	Speaker Pawel De Barbaro
	10:15-10:35 Space anisotropy search at colliders
	Speaker Danila Tlisov
11:30	10:35-11:15 A look at hadronization via high multiplicity
	Speaker Elena Kokoulina
	11:15-11:30 Break

Monday 20 August

09:30	Lectures Session Location: Belarus, Grodno region, Sanatorium "Ozerny", 231753, Grodno region, p/o Ozery, Belarus Hotel website: http://ozerny.by/glavnaya_en/
	09:30-10:15 Higgs boson searches (Part 1)
	Speaker Tomas Davidek
	10:15-10:40 Design and construction of neutrino detector for BelNPP
	Speaker Valentin Gilewsky
	11:00-11:20 Break
	11:20-12:50 W physics in ATLAS
13:00	Speaker Fabrice Balli

Tuesday 21 August

09:30	Lectures Session Location: Belarus, Grodno region, Sanatorium "Ozerny", 231753, Grodno region, p/o Ozery, Belarus Hotel website: http://ozerny.by/glavnaya_en/
	09:30-10:15 Higgs boson searches (Part 2)
	Speaker Tomas Davidek
	10:15-10:45 Search for short strings in e + eannihilation
	Speaker Marina Kozhevnikova
	11:00-11:30 Break
	11:30-12:15 Solar flares and related phenomena
	Speakers Oleg Boyarkin, Galina Boyarkina
13:00	12:15-13:00 The odderon: myths and reality Speaker Laszlo Jenkovszky
T2.00	

Wednesday 22 August

Lectures Session Location: Belarus, Grodno region, Sanatorium "Ozerny", 231753, Grodno region, p/o Ozery, Belarus Hotel website: http://ozerny.by/glavnaya_en/
09:30-10:15 Higgs boson searches (Part 3) Speaker Tomas Davidek
Iomas Davidek
10:15-11:00 Integral luminosity measurement at future e+e- colliders - feasibility and challenges Speaker Ivanka Bozovic-Jelisavcic
11:00-11:20 Break
11:20-11:55 Study of effects Colour Reconnections for WW, tt and Higgs events on FCC Speaker Nelli Pukhaeva
11:55-12:30 Measurements of the inclusive jet production cross-section in association with a Z-boson in pp collisions at 8 TeV using the ATLAS detector Speaker Aliaksei Hrynevich
12:30-13:00
Measurements of the Drell-Yan Forward-Backward Asymmetry in pp Collisions at the CMS
Speaker Uladzislava Yevarouskaya