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 | |
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| | 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/ |
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| | 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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| Yurii Sitenko 14:45-15:45 Measurability Conception for Quantum Theory, Gravity and Thermodynamics. Some Basic Results and Application Speaker | (Part 3) | |
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| Some Basic Results and Application Speaker | | |
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Friday 17 August

| 09:30 | Lectures |
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| | 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 |
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| | 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/ |
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| | 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/ |
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| 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 |
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