

New Trends in High-Energy Physics



Report of Contributions

Contribution ID: 8

Type: **not specified**

Dark Matter particles in the galactic halo

Tuesday, 4 October 2016 10:50 (40 minutes)

Primary author: Prof. BERNABEI, Rita (Universita' and INFN Roma Tor Vergata)

Presenter: Prof. BERNABEI, Rita (Universita' and INFN Roma Tor Vergata)

Session Classification: MAIN SESSION

Contribution ID: 13

Type: **not specified**

ICARUS experiment - status and perspectives

Wednesday, 5 October 2016 09:00 (30 minutes)

Primary authors: VARANINI, Filippo (INFN Padova); KISIEL, Jan (University of Silesia, Katowice, Poland)

Presenter: KISIEL, Jan (University of Silesia, Katowice, Poland)

Session Classification: `PARALLEL SESSION`

Contribution ID: 14

Type: **not specified**

The increase of the light collection from scintillation strip with hole for WLS fiber using various types of fillers.

Monday, 3 October 2016 16:50 (30 minutes)

Primary author: Mr SIMONENKO, Aleksandr (JINR)

Presenter: Mr SIMONENKO, Aleksandr (JINR)

Session Classification: PARALLEL SESSION

Contribution ID: 16

Type: **not specified**

Direct search of keV sterile neutrino in tritium beta decay by “Troitsk nu-mass” experiment

Wednesday, 5 October 2016 09:30 (30 minutes)

Primary author: Dr PANTUEV, Vladislav (Institute for Nuclear Research RAS, Moscow)

Presenter: Dr PANTUEV, Vladislav (Institute for Nuclear Research RAS, Moscow)

Session Classification: PARALLEL SESSION

Contribution ID: 22

Type: **not specified**

High Technology Application to Modernization of International Electron-Positron Linear Collider (ILC)

Thursday, 6 October 2016 16:20 (30 minutes)

Primary author: Dr SABIROV, BASAR (JINR)

Presenter: Dr SABIROV, BASAR (JINR)

Session Classification: PARALLEL SESSION

Contribution ID: 26

Type: **not specified**

Twenty Years of the Analytic Perturbation Theory in QCD

Thursday, 6 October 2016 15:00 (30 minutes)

Primary author: SOLOVTSOVA, Olga (Gomel State Technical University)

Co-authors: Prof. TERYAEV, Oleg (JINR); Dr MIKHAILOV, Sergey (JINR)

Presenter: SOLOVTSOVA, Olga (Gomel State Technical University)

Session Classification: PARALLEL SESSION

Contribution ID: **30**

Type: **not specified**

Search for new exotic phenomena with the ATLAS detector at the LHC

Wednesday, 5 October 2016 10:50 (30 minutes)

Primary author: IGONKINA, Olga (Nikhef)

Presenter: IGONKINA, Olga (Nikhef)

Session Classification: MAIN SESSION

Contribution ID: 32

Type: **not specified**

Review of Higgs Results from the CMS experiment

Wednesday, 5 October 2016 11:50 (30 minutes)

Primary author: Prof. MITSELMAKHER, Guenakh (University of Florida)

Presenter: Prof. MITSELMAKHER, Guenakh (University of Florida)

Session Classification: MAIN SESSION

Contribution ID: 36

Type: **not specified**

Diffraction dissociation of relativistic nuclei in nuclear track emulsion

Tuesday, 4 October 2016 17:20 (30 minutes)

Primary author: Dr ZARUBIN, Pavel (Joint Institute for Nuclear Research)

Presenter: Dr ZARUBIN, Pavel (Joint Institute for Nuclear Research)

Session Classification: PARALLEL SESSION

Contribution ID: 37

Type: **not specified**

PEN and Nab: new precision tests of lepton and quark-lepton universality

Thursday, 6 October 2016 14:30 (30 minutes)

Primary author: Prof. POCANIC, Dinko (University of Virginia)

Presenter: Prof. POCANIC, Dinko (University of Virginia)

Session Classification: MAIN SESSION

Contribution ID: 38

Type: **not specified**

Recent applications of the technique of nuclear track emulsion

Tuesday, 4 October 2016 17:50 (30 minutes)

Primary author: Mrs ZARUBINA, Irina (Joint Institute for Nuclear Research)

Co-author: Dr ZARUBIN, Pavel (Joint Institute for Nuclear Research)

Presenter: Mrs ZARUBINA, Irina (Joint Institute for Nuclear Research)

Session Classification: PARALLEL SESSION

Contribution ID: 39

Type: **not specified**

Particle tracking in the PEN experiment.

Monday, 3 October 2016 16:20 (30 minutes)

Primary author: Dr BARANOV, Vladimir (JINR)

Presenter: Dr BARANOV, Vladimir (JINR)

Session Classification: `PARALLEL SESSION`

Contribution ID: 40

Type: **not specified**

A Very Intense Neutrino Super Beam Experiment for Leptonic CP Violation Discovery based on the European Spallation Source Linac

Thursday, 6 October 2016 15:30 (30 minutes)

Primary author: Prof. TSENOV, Roumen (LHEP JINR)

Presenter: Prof. TSENOV, Roumen (LHEP JINR)

Session Classification: MAIN SESSION

Contribution ID: 42

Type: **not specified**

Heavy quark distributions in nucleon: collider tests

Wednesday, 5 October 2016 10:00 (30 minutes)

Primary author: Prof. LYKASOV, Gennady (JINR)

Presenter: Prof. LYKASOV, Gennady (JINR)

Session Classification: MAIN SESSION

Contribution ID: 43

Type: **not specified**

Particles evolution in the early Universe

Monday, 3 October 2016 16:50 (30 minutes)

Primary author: Prof. GROMOV, Nikolai (Komi Science Centre UrB RAS)

Presenter: Prof. GROMOV, Nikolai (Komi Science Centre UrB RAS)

Session Classification: MAIN SESSION

Contribution ID: 44

Type: **not specified**

Manifestation of the unstable nuclei in relativistic dissociation of the ^{10}B and ^{11}C nuclei

Thursday, 6 October 2016 17:20 (30 minutes)

Primary author: Mr ZAITSEV, Andrew (JINR, LHE)

Presenter: Mr ZAITSEV, Andrew (JINR, LHE)

Session Classification: PARALLEL SESSION

Contribution ID: 45

Type: **not specified**

Breakdown of QCD factorization in hard hadronic diffraction

Thursday, 6 October 2016 16:20 (30 minutes)

Primary author: KOPELIOVICH, Boris (UTFSM)

Co-author: Dr POTASHNIKOVA, Irina (UTFSM)

Presenter: KOPELIOVICH, Boris (UTFSM)

Session Classification: MAIN SESSION

Contribution ID: 46

Type: **not specified**

Heavy flavors in nucleus-nucleus and proton-nucleus collisions

Thursday, 6 October 2016 17:20 (30 minutes)

Primary author: Dr NARDI, Marzia (INFN Torino)

Co-authors: Dr BERAUDO, Andrea (INFN Torino); Dr DE PACE, Arturo (INFN Torino); Dr PRION, Francesco (INFN Torino); Dr MONTENO, Marco (INFN Torino)

Presenter: Dr NARDI, Marzia (INFN Torino)

Session Classification: MAIN SESSION

Contribution ID: 47

Type: **not specified**

Quantum simulations with cold atoms: from solid state to high energy physics and cosmology

Thursday, 6 October 2016 15:30 (30 minutes)

Primary author: Prof. MELEZHIK, Vladimir (BLTP JINR Dubna)

Presenter: Prof. MELEZHIK, Vladimir (BLTP JINR Dubna)

Session Classification: PARALLEL SESSION

Contribution ID: 48

Type: **not specified**

Neutrino in the Standard Model and beyond

Monday, 3 October 2016 09:20 (35 minutes)

Primary author: Prof. BILENKY, Samoil (JINR (Dubna))

Presenter: Prof. BILENKY, Samoil (JINR (Dubna))

Session Classification: MAIN SESSION

Contribution ID: 49

Type: **not specified**

Elementary Particles, dark matter candidate and new extended standard model

Tuesday, 4 October 2016 12:00 (30 minutes)

Primary author: Dr HWANG, Jae-Kwang (JJJ Physics Laboratory)

Presenter: Dr HWANG, Jae-Kwang (JJJ Physics Laboratory)

Session Classification: MAIN SESSION

Contribution ID: 50

Type: **not specified**

A new measurement of the anomalous magnetic moment of muon at Fermilab

Thursday, 6 October 2016 09:30 (30 minutes)

Primary author: Dr LOGASHENKO, Ivan (Budker Institute of Nuclear Physics)

Presenter: Dr LOGASHENKO, Ivan (Budker Institute of Nuclear Physics)

Session Classification: MAIN SESSION

Contribution ID: 52

Type: **not specified**

Rare decays of heavy mesons in covariant confined quark model.

Tuesday, 4 October 2016 16:50 (30 minutes)

Primary authors: LIPTAJ, Andrej (Institute of Physics, Slovak Academy of Sciences Dubravska cesta 9, 845 11 Bratislava Slovak Republic); Prof. IVANOV, Mikhail (Joint Institute for Nuclear Research, Dubna, Russia)

Co-authors: Prof. DUBNICKOVA, Anna (Comenius University); Prof. DUBNICKA, Stanislav (Inst. of Physics, SAS, Bratislava)

Presenter: LIPTAJ, Andrej (Institute of Physics, Slovak Academy of Sciences Dubravska cesta 9, 845 11 Bratislava Slovak Republic)

Session Classification: MAIN SESSION

Contribution ID: 53

Type: **not specified**

Proton charge radius and its consistency with the experiments

Thursday, 6 October 2016 11:50 (30 minutes)

Primary author: Dr BARTOŠ, Erik (Institute of Physics, Slovak Academy of Sciences)

Co-authors: Prof. DUBNICKOVA, Anna (Comenius University); Dr ADAMUSCIN, Cyril (Institute of Physics, Slovak Academy of Sciences, Bratislava, Slovakia); Prof. DUBNICKA, Stanislav (Inst.of Physics, SAS, Bratislava)

Presenter: Dr BARTOŠ, Erik (Institute of Physics, Slovak Academy of Sciences)

Session Classification: PARALLEL SESSION

Contribution ID: 54

Type: **not specified**

Reduction of total precise error of muon $g - 2$ anomaly and QED $\alpha(M_Z^2)$ by *Unitary&Analytic* model description of pseudoscalar meson nonet EM structure

Thursday, 6 October 2016 10:00 (30 minutes)

Primary author: Prof. DUBNICKOVA, Anna (Comenius University)

Co-authors: LIPTAJ, Andrej (Institute of Physics, Slovak Academy of Sciences Dubravska cesta 9, 845 11 Bratislava Slovak Republic); Prof. DUBNICKA, Stanislav (Inst.of Physics, SAS, Bratislava)

Presenter: Prof. DUBNICKOVA, Anna (Comenius University)

Session Classification: MAIN SESSION

Contribution ID: 56

Type: **not specified**

New type straws: properties and quality

Tuesday, 4 October 2016 16:20 (30 minutes)

Primary author: ENIK, Temur (JINR)

Co-author: Mr VOLKOV, Aleksandr (JINR)

Presenter: Mr VOLKOV, Aleksandr (JINR)

Session Classification: PARALLEL SESSION

Contribution ID: 57

Type: **not specified**

Prediction of *Lambda*-hyperon magnetic FF and ratio $|G_E^\Lambda/G_M^\Lambda|$ /in time-like region

Monday, 3 October 2016 12:00 (30 minutes)

Primary author: Prof. DUBNICKA, Stanislav (Inst.of Physics, SAS, Bratislava)

Co-authors: Prof. DUBNICKOVA, Anna Zuzana (Comenius University, Bratislava, Slovakia); Dr ADAMUSCIN, Cyril (Institute of Physics, Slovak Academy of Sciences, Bratislava, Slovakia); Dr BARTOŠ, Erik (Institute of Physics, Slovak Academy of Sciences)

Presenter: Prof. DUBNICKA, Stanislav (Inst.of Physics, SAS, Bratislava)

Session Classification: MAIN SESSION

Contribution ID: 58

Type: **not specified**

Numerical values of f^F , f^D , f^S coupling constants in SU(3) invariant interaction Lagrangian of vector-meson nonet with $1/2^+$ octet baryons.

Thursday, 6 October 2016 11:20 (30 minutes)

Primary author: Dr ADAMUSCIN, Cyril (Institute of Physics, Slovak Academy of Sciences, Bratislava, Slovakia)

Co-authors: Prof. DUBNICKOVA, Anna Zuzana (Comenius University, Bratislava, Slovakia); Dr BARTOŠ, Erik (Institute of Physics, Slovak Academy of Sciences); Prof. DUBNICKA, Stanislav (Inst. of Physics, SAS, Bratislava)

Presenter: Dr ADAMUSCIN, Cyril (Institute of Physics, Slovak Academy of Sciences, Bratislava, Slovakia)

Session Classification: PARALLEL SESSION

Contribution ID: 59

Type: **not specified**

Two-particle Bose–Einstein correlations in pp collisions at 0.9 and 7 TeV measured with the ATLAS detector

Thursday, 6 October 2016 11:20 (30 minutes)

Primary author: KULCHITSKY, YURI (JINR)

Presenter: KULCHITSKY, YURI (JINR)

Session Classification: MAIN SESSION

Contribution ID: **61**

Type: **not specified**

The CLIC physics potential

Friday, 7 October 2016 09:30 (30 minutes)

Primary authors: Dr PANDUROVIC, Mila (Dr. PANDUROVIC, Mila ,Vinca Institute of Nuclear Sciences, on behalf of the CLICdp Collaboration); Dr VAN DER KOLK, Naomi (Max-Planck-Institut für Physik)

Presenter: Dr PANDUROVIC, Mila (Dr. PANDUROVIC, Mila ,Vinca Institute of Nuclear Sciences, on behalf of the CLICdp Collaboration)

Session Classification: MAIN SESSION

Contribution ID: 62

Type: **not specified**

Heavy quark physics and XYZ states in covariant quark model

Tuesday, 4 October 2016 16:20 (30 minutes)

Primary author: Prof. IVANOV, Mikhail (JINR, Dubna)

Presenter: Prof. IVANOV, Mikhail (JINR, Dubna)

Session Classification: MAIN SESSION

Contribution ID: 63

Type: **not specified**

Searches for lepton number violation and resonances in the $K^{+-} \rightarrow \pi \mu \mu$ decays at the NA48/2 experiment

Tuesday, 4 October 2016 14:30 (30 minutes)

Primary author: Dr MADIGOZHIN, Dmitry (Joint Institute for Nuclear Research)

Presenter: Dr MADIGOZHIN, Dmitry (Joint Institute for Nuclear Research)

Session Classification: PARALLEL SESSION

Contribution ID: 64

Type: **not specified**

PHENIX results on leading particles and jets measured in Cu+Au collisions at RHIC

Friday, 7 October 2016 10:50 (30 minutes)

Primary author: Dr KOTOV, Dmitry (NRC "Kurchatov Institute" B.P. Konstantinov Petersburg Nuclear Physics Institute, Peter the Great Saint-Petersburg Polytechnic University)

Presenter: Dr KOTOV, Dmitry (NRC "Kurchatov Institute" B.P. Konstantinov Petersburg Nuclear Physics Institute, Peter the Great Saint-Petersburg Polytechnic University)

Session Classification: MAIN SESSION

Contribution ID: 65

Type: **not specified**

HERA Results on Proton Structure and Hard QCD

Monday, 3 October 2016 14:30 (30 minutes)

Primary author: Dr RAICEVIC, Natasa (University of Montenegro)

Presenter: Dr RAICEVIC, Natasa (University of Montenegro)

Session Classification: PARALLEL SESSION

Contribution ID: 67

Type: **not specified**

Seaches for new physics at TeV scale in dilepton final states at ATLAS experiment

Wednesday, 5 October 2016 09:30 (30 minutes)

Primary author: Dr YELETSKIKH, Ivan (JINR)

Presenter: Dr YELETSKIKH, Ivan (JINR)

Session Classification: MAIN SESSION

Contribution ID: 68

Type: **not specified**

New phase space calculations for β^+ and EC decay modes

Monday, 3 October 2016 15:30 (30 minutes)

Primary author: Mr NIȚESCU, Ovidiu Vasile (Horia Hulubei National Institute of Physics and Nuclear Engineering, P.O. Box MG6, 077125-Magurele, Romania and University of Bucharest, Faculty of Physics, P.O. Box MG11, 077125-Magurele, Romania)

Co-authors: Dr MIREA, Mihail (Horia Hulubei Foundation, P.O. MG6, 077125-Magurele, Romania and Horia Hulubei National Institute of Physics and Nuclear Engineering, P.O. Box MG6, 077125-Magurele, Romania); Dr STOICA, Sabin (Horia Hulubei Foundation, P.O. MG6, 077125-Magurele, Romania and Horia Hulubei National Institute of Physics and Nuclear Engineering, P.O. Box MG6, 077125-Magurele, Romania)

Presenter: Mr NIȚESCU, Ovidiu Vasile (Horia Hulubei National Institute of Physics and Nuclear Engineering, P.O. Box MG6, 077125-Magurele, Romania and University of Bucharest, Faculty of Physics, P.O. Box MG11, 077125-Magurele, Romania)

Session Classification: MAIN SESSION

Contribution ID: **69**

Type: **not specified**

Review of Higgs Results from the ATLAS experiment

Wednesday, 5 October 2016 11:20 (30 minutes)

Primary author: TSUKERMAN, Ilya (ITEP Moscow)

Presenter: TSUKERMAN, Ilya (ITEP Moscow)

Session Classification: `MAIN SESSION`

Contribution ID: 70

Type: **not specified**

Search for K^+ to π^+ ν $\bar{\nu}$ at NA62

Tuesday, 4 October 2016 15:30 (30 minutes)

Primary author: Dr PINZINO, Jacopo (INFN Pisa)

Presenter: Dr PINZINO, Jacopo (INFN Pisa)

Session Classification: PARALLEL SESSION

Contribution ID: 71

Type: **not specified**

Text of article: New type straws: properties and quality

Primary author: Mr VOLKOV, Aleksandr (DLNP, JINR)

Presenter: Mr VOLKOV, Aleksandr (DLNP, JINR)

Contribution ID: 73

Type: **not specified**

The recent results from Super-K

Tuesday, 4 October 2016 14:30 (30 minutes)

Primary author: Dr YANO, Takatomi (Kobe University)

Presenter: Dr YANO, Takatomi (Kobe University)

Session Classification: MAIN SESSION

Contribution ID: 74

Type: **not specified**

Solar-blind photodetectors with AlGaN photocathodes for light registration in UVC range

Thursday, 6 October 2016 16:50 (30 minutes)

Primary author: Mr ATANOV, Nikolay (JINR)

Co-authors: Dr NECHAEV, D.V. (Ioffe Institute); Dr IVANOV, S.V. (Ioffe Institute); Dr JMERIC, V.N. (Ioffe Institute); Mr TERESHCHENKO, V.V. (JINR)

Presenter: Mr ATANOV, Nikolay (JINR)

Session Classification: `PARALLEL SESSION`

Contribution ID: 76

Type: **not specified**

The Mu2e experiment at Fermilab

Thursday, 6 October 2016 09:00 (30 minutes)

Primary author: HAPPACHER, Fabio (infn)

Presenter: HAPPACHER, Fabio (infn)

Session Classification: MAIN SESSION

Contribution ID: 77

Type: **not specified**

Elastic and inelastic diffraction at the LHC

Thursday, 6 October 2016 10:50 (30 minutes)

Primary author: Prof. JENKOVSKY, László (Bogolyubov ITP. Kiev)

Co-authors: Dr SCHICKER, Rainer (University of Heidelberg); Prof. ORAVA, Risto (Helsinki University)

Presenter: Prof. JENKOVSKY, László (Bogolyubov ITP. Kiev)

Session Classification: PARALLEL SESSION

Contribution ID: 78

Type: **not specified**

Polarized Drell-Yan measurement at COMPASS

Friday, 7 October 2016 11:20 (30 minutes)

Primary author: Mr PESEK, Michael (Charles University in Prague)

Presenter: Mr PESEK, Michael (Charles University in Prague)

Session Classification: MAIN SESSION

Contribution ID: 79

Type: **not specified**

How to differentiate function based on integration operation

Tuesday, 4 October 2016 17:20 (30 minutes)

Primary authors: Prof. AFANASIEV, Alexander (IITP RAS); Ms PUTILINA, Elena (IITP RAS); Prof. EMELIANOV, Stanislav (IITP RAS)

Presenters: Prof. AFANASIEV, Alexander (IITP RAS); Ms PUTILINA, Elena (IITP RAS); Prof. EMELIANOV, Stanislav (IITP RAS)

Session Classification: MAIN SESSION

Contribution ID: 80

Type: **not specified**

Using the cathode surface of straw tube for measuring the track coordinate along the wire and increasing rate capability.

Tuesday, 4 October 2016 16:50 (30 minutes)

Primary author: Mr KHOMUTOV, Nikolay (Joint Institute for Nuclear Research, Dubna, Russia)

Presenter: Mr KHOMUTOV, Nikolay (Joint Institute for Nuclear Research, Dubna, Russia)

Session Classification: PARALLEL SESSION

Contribution ID: **81**

Type: **not specified**

DANSS Reactor Antineutrino Project:: Status and Proof of Principle

Tuesday, 4 October 2016 15:30 (30 minutes)

Primary author: Dr SVIRIDA, Dmitry (ITEP)

Co-author: DANSS, Collaboration (ITEP, JINR)

Presenter: Dr SVIRIDA, Dmitry (ITEP)

Session Classification: `MAIN SESSION`

Contribution ID: 82

Type: **not specified**

Neutral pion form factor measurement by the NA62 experiment

Tuesday, 4 October 2016 15:00 (30 minutes)

Primary author: Dr MIRRA, Marco (INFN - Sezione di Napoli and Università degli studi di Napoli Federico II)

Presenter: Dr MIRRA, Marco (INFN - Sezione di Napoli and Università degli studi di Napoli Federico II)

Session Classification: PARALLEL SESSION

Contribution ID: **83**

Type: **not specified**

Status of the NICA project

Friday, 7 October 2016 09:00 (30 minutes)

Primary author: Prof. TSENOV, Roumen (LHEP JINR)

Presenter: Prof. TSENOV, Roumen (LHEP JINR)

Session Classification: `MAIN SESSION`

Contribution ID: 84

Type: **not specified**

Overview of Recent Results From the T2K Experiment

Tuesday, 4 October 2016 15:00 (30 minutes)

Primary author: Prof. PAOLONE, Vittorio (University of Pittsburgh)

Presenter: Prof. PAOLONE, Vittorio (University of Pittsburgh)

Session Classification: `MAIN SESSION`

Contribution ID: 85

Type: **not specified**

Physics Results from NOvA Neutrino Oscillation Experiment

Tuesday, 4 October 2016 10:00 (30 minutes)

Primary author: Dr DJURCIC, Zelimir (Argonne National Laboratory)

Presenter: Dr DJURCIC, Zelimir (Argonne National Laboratory)

Session Classification: MAIN SESSION

Contribution ID: 86

Type: **not specified**

In search of $\mu \rightarrow e\gamma$: Final result of the MEG experiment

Thursday, 6 October 2016 15:00 (30 minutes)

Primary author: Ms RUTAR, Giada (Paul Scherrer Institute)

Presenter: Ms RUTAR, Giada (Paul Scherrer Institute)

Session Classification: MAIN SESSION

Contribution ID: 87

Type: **not specified**

Quantum Field Theory Methods in Classical Physics

Thursday, 6 October 2016 14:30 (30 minutes)

Primary author: Prof. HNATIC, Michal (Bogoliubov Laboratory of Theoretical Physics, JINR)

Presenter: Prof. HNATIC, Michal (Bogoliubov Laboratory of Theoretical Physics, JINR)

Session Classification: PARALLEL SESSION

Contribution ID: **88**

Type: **not specified**

Recent results from PHENIX experiment at RHIC

Friday, 7 October 2016 10:00 (30 minutes)

Primary author: Dr RIABOV, Viktor (PNPI)

Presenter: Dr RIABOV, Viktor (PNPI)

Session Classification: `MAIN SESSION`

Contribution ID: 89

Type: **not specified**

Shear, turbulence and its observable consequences in heavy ion reactions

Thursday, 6 October 2016 10:50 (30 minutes)

Primary author: Prof. CSERNAI, Laszlo (University of Bergen, Norway)

Presenter: Prof. CSERNAI, Laszlo (University of Bergen, Norway)

Session Classification: MAIN SESSION

Contribution ID: 90

Type: **not specified**

Longitudinal vector form factor in the pion β decay

Monday, 3 October 2016 15:00 (30 minutes)

Primary author: Dr KRIVORUCHENKO, Mikhail (Institute for Theoretical and Experimental Physics; B. Cheremushkinskaya 25 117218 Moscow, Russia)

Presenter: Dr KRIVORUCHENKO, Mikhail (Institute for Theoretical and Experimental Physics; B. Cheremushkinskaya 25 117218 Moscow, Russia)

Session Classification: MAIN SESSION

Contribution ID: 91

Type: **not specified**

First detections of a gravitational wave signals

Monday, 3 October 2016 11:30 (30 minutes)

Primary author: Prof. KROLAK, Andrzej (Institute of Mathematics, Polish Academy of sciences)

Presenter: Prof. KROLAK, Andrzej (Institute of Mathematics, Polish Academy of sciences)

Session Classification: `MAIN SESSION`

Contribution ID: 92

Type: **not specified**

Axions as Dark Matter

Tuesday, 4 October 2016 11:30 (30 minutes)

Primary author: Prof. TKACHEV, Igor (Institute for Nuclear Research)

Presenter: Prof. TKACHEV, Igor (Institute for Nuclear Research)

Session Classification: MAIN SESSION

Contribution ID: 93

Type: **not specified**

Neutrinoless Double-Beta Decay with Emission of Single Electron

Wednesday, 5 October 2016 10:00 (30 minutes)

Primary authors: Mr BABIC, Andrej (Czech Technical University in Prague); Dr STEFANIK, Dusan (Comenius University in Bratislava); Prof. SIMKOVIC, Fedor (Comenius University in Bratislava); Dr KRIVORUCHENKO, Mikhail (Institute for Theoretical and Experimental Physics; B. Chermushkinskaya 25 117218 Moscow, Russia)

Presenter: Mr BABIC, Andrej (Czech Technical University in Prague)

Session Classification: PARALLEL SESSION

Contribution ID: 94

Type: **not specified**

Diffraction at HERA

Monday, 3 October 2016 15:00 (30 minutes)

Primary author: Dr ADAMCZYK, Leszek (AGH UST)

Presenter: Dr ADAMCZYK, Leszek (AGH UST)

Session Classification: PARALLEL SESSION

Contribution ID: 95

Type: **not specified**

Search for supersymmetry: the present status

Monday, 3 October 2016 14:30 (30 minutes)

Primary author: Dr GLADYSHEV, Alexey (Joint Institute for Nuclear Research)

Presenter: Dr GLADYSHEV, Alexey (Joint Institute for Nuclear Research)

Session Classification: MAIN SESSION

Contribution ID: 96

Type: **not specified**

ALICE results in pp, pA and AA collisions at the LHC

Thursday, 6 October 2016 16:50 (30 minutes)

Primary author: Dr SCHICKER, Rainer (Phys. Inst., University Heidelberg)

Presenter: Dr SCHICKER, Rainer (Phys. Inst., University Heidelberg)

Session Classification: `MAIN SESSION`

Contribution ID: 97

Type: **not specified**

The Gravitational Wave Observatory and Its First Discoveries

Monday, 3 October 2016 10:50 (40 minutes)

Primary author: Prof. PRODI, Giovanni Andrea (University of Trento and INFN, Trento, Italy)

Presenter: Prof. PRODI, Giovanni Andrea (University of Trento and INFN, Trento, Italy)

Session Classification: MAIN SESSION

Contribution ID: 98

Type: **not specified**

Latest Results from the Daya Bay Reactor Neutrino Experiment

Tuesday, 4 October 2016 09:30 (30 minutes)

Primary author: Dr NAUMOV, Dmitry (JINR)

Presenter: Dr NAUMOV, Dmitry (JINR)

Session Classification: MAIN SESSION

Contribution ID: 99

Type: **not specified**

Left-left squark mixing in the $K^+ \rightarrow \pi^+ \nu \bar{\nu}$ decay

Monday, 3 October 2016 16:20 (30 minutes)

Primary author: Dr MATAK, Peter (Comenius University in Bratislava)

Co-author: Dr BLAZEK, Tomas (Comenius University in Bratislava)

Presenter: Dr MATAK, Peter (Comenius University in Bratislava)

Session Classification: MAIN SESSION

Contribution ID: **101**

Type: **not specified**

Bose-Einstein Correlation and Colour Reconnection in Particle Physics

Thursday, 6 October 2016 11:50 (30 minutes)

Primary author: Dr PUKHAEVA, Nelli (JINR)

Presenter: Dr PUKHAEVA, Nelli (JINR)

Session Classification: MAIN SESSION

Contribution ID: **102**

Type: **not specified**

Search for New Physics with CMS

Wednesday, 5 October 2016 09:00 (30 minutes)

Primary author: Prof. IVANOV, Andrew (Kansas State University)

Presenter: Prof. IVANOV, Andrew (Kansas State University)

Session Classification: `MAIN SESSION`

Contribution ID: **103**

Type: **not specified**

Deep Underground Neutrino Experiment: Status and Prospects

Tuesday, 4 October 2016 09:00 (30 minutes)

Primary author: Dr DJURCIC, Zelimir (Argonne National Laboratory)

Presenter: Dr DJURCIC, Zelimir (Argonne National Laboratory)

Session Classification: MAIN SESSION

Contribution ID: **104**

Type: **not specified**

High energy behaviour of maximally supersymmetric gauge theories

Monday, 3 October 2016 09:55 (35 minutes)

Primary author: Prof. KAZAKOV, Dmitry (JINR)

Presenter: Prof. KAZAKOV, Dmitry (JINR)

Session Classification: MAIN SESSION

Contribution ID: **105**

Type: **not specified**

Opening talk

Monday, 3 October 2016 09:00 (20 minutes)

Presenter: Prof. RUSSAKOVICH, Nikolay (JINR)

Session Classification: MAIN SESSION

Contribution ID: **106**

Type: **not specified**

Opening Talk

Presenter: Prof. RUSSAKOVICH, Nikolay (JINR)

Contribution ID: **107**

Type: **not specified**

He3-He4 Dilution Refrigerators, Results, Traditions, 50 Years Anniversary

Monday, 3 October 2016 17:20 (30 minutes)

Presenter: Dr USOV, Yury (JINR)

Session Classification: PARALLEL SESSION

Contribution ID: **108**

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