Table of contents

Monday 22 October 2018	
------------------------	--

IV international conference on particle physics and astrophysics

Monday 22 October 2018

Poster session and coffee-buffet - Petrovskiy hall (15:40-18:10)

-Conveners: Alexey Grobov; Sergey Rubin

[id] title	presenter	
[458] Application of the multichannel front-end chip for SiPM based gamma detectors	CHERGUI, Ahmed Cherif	
[581] Phase diagram and dualities of dense baryonic matter with chiral imbalance	Dr. ZHOKHOV, Roman	
[491] Operator-based method for finding exact solutions of the propagator equation in the presence of a magnetic field	Mr. IABLOKOV, STANISLAV	
[506] Performance studies for collective flow measurements with CBM at FAIR	KASHIRIN, Evgeny Dr. BLAU, Dmitry	
[514] THE STUDY OF THE 12C STATES FROM THE REACTION 11B(3He,d)12C	STARASTSIN, Viktar	
[530] Search for the suppression of the photon yield from the decay of dark matter particle	Mr. KAMALETDINOV, Ayra	t
[532] The measurement of liquid scintillator nonlinear response and intrinsic energy resolution	FORMOZOV, Andrey	
[533] The background model estimation for scintillation detectors onboard low altitude and high inclination satellites in the low energy gamma region using the AVS-F apparatus data	ARKHANGELSKAJA, Irene	
[548] About some opportunities of driving of a particle in a black hole	VORONTSOV, Victor	
[553] Investigations of large scintillation detectors response based on SiPM	NAUMOV, Peter RUNZO, Mikhail	
[392] Large-acceptance scintillator ring of the Fast Interaction Trigger for the ALICE Experiment.	ALFARO, Ruben	
[383] Space and energy distributions of the charged particles at the maximum of electromagnetic showers initiated by 5-1000 GeV electrons in Fe, W and Pb	Prof. DENISOV, Sergey	
[341] Complex method of preparing working medium for two-phase xenon emission detector	Mr. SHAKIROV, Aleksey	
[309] THE PRINCIPLES OF NEUTRINO SOURCE CREATION ON THE BASE OF LITHIUM. THE VARIANTS OF REALIZATIONS (REVIEW)	LYASHUK, Vladimir	
[307] A new ring scintillation detector wihout blind areas for neuton diffraction	LITVIN, Vasily	
[271] Towards a New Model of the Universe	HAJDUKOVIC, Dragan	
[580] Study of 4 charged pion production at VEPP 2000 collider with CMD-3 detector	KOROBOV, Alexandr	
[507] GAMMA-400 gamma-ray telescope construction features	Dr. SUCHKOV, S	
[578] The results and prospects of the Baikal Gigaton Volume Detector	DIK, Viktoriya	

[577] Performance simulations of the Silicon Tracking System of the CBM Experiment at FAIR	LAVRIK, Evgeny
[343] Cosmological Mission of Higgs Boson and Evolution of Universe	Prof. AVETISSIAN, Ara
[558] H -> WW*->Inulnu searches in the ATLAS 13 TeV data	RAMAKOTI, Ekaterina
[404] Compact x-ray spectrometer based on thermoluminescent detectors	Prof. SALAKHUTDINOV, Gayar
[284] THE ADAPTIVE-MODULAR TECHNIQUE FOR PRE-PROJECT SIMULATION THE TRANSPORTATION CHANNELS OF THE RELATIVISTIC CHARGED-PARTICLE BEAMS	AVERYANOV, German
[509] Modelling of position reconstruction in CENNS1ton	NEPOCHATAYA, Olga
[311] Project on searching for neutron-antineutron oscillation at the WWR-M reactor	CHAIKOVSKII, Mikhail
[371] TOTAL REACTION CROSS SECTIONS OF NEUTRON-RICH LIGHT NUCLEI MEASURED BY THE COMBAS FRAGMENT-SEPARATOR	BATCHULUUN, Erdemchimeg
[313] Correlations between multiplicities and transverse momenta in nucleus-nucleus collisions from model with cluster of fused color strings.	ANDRONOV, Evgeny
[312] OBSERVATION OF CLUSTER STRUCTURE OF FISSION FRAGMENTS	Mr. STREKALOVSKY, Alexandr
[304] Strong indications of true quaternary fission of 252Cf(sf)	Ms. TOMAS, Angelina
[471] Virtual pion beams at the LHC and extraction of pion-proton cross-sections	Dr. RYUTIN, Roman
[536] Investigation of properties of Galaxies groups # 933, 88, 142, 1046, 1101 from CfA2 redshift survey.	Mr. LU, Nhat Khanh
[332] Forbush Decrease Mechanism in a Magnetic Cloud	PETUKHOVA, Anastasia
[333] Practical realization of the Force-free Magnetic Field models	PETUKHOVA, Anastasia
[527] Determination of parameters for the propagation of jets of young stars and a plasma-focus installation.	Mr. SHATALOV, Nazar
[513] Simulation of nonrelativistic jets using a solution of the Grad-Shafranov equation as the initial condition	Mr. KALASHNIKOV, Ilia
[505] Search and study for extensive air shower events in the TUS detector data	LAVROVA, Maria
[373] The response of the PRISMA-32 and NEVOD setups to the passage of the EAS	BOGDANOV, Fedor
[503] Axionlike particle searches by means of the GAMMA-400 gamma-ray telescope	EGOROV, Andrey
[288] Radiative transitions of electrons between Landau levels in a moderately strong magnetic field	Ms. ZABRODINA, Olga
[388] Modernization of the pulse shape discrimination method for neutron and gamma quanta in scintillation detector	Dr. CHEPURNOV, Alexander KIRSANOV, Mikhail
[372] Comparing EAS registered with at PRISMA-32 array and CWC NEVOD	GROMUSHKIN, Dmitry
[390] A cluster approach to the analysis of experimental data of the NEVOD-EAS shower array	SHULZHENKO, Ivan
[528] Test beam studies of light yield, time and coordinate resolutions of scintillation detector prototype with SiPM readout for space-based gamma-telescope GAMMA-400	Mr. ARKHANGELSKIY, Andrey

[365] Monte-Carlo study of long-range correlations of average transverse momentum and multiplicity for strange particles in pp-collisions at the LHC energies.	SANDUL, Vladislav
[279] cosmic rays in the Earth's atmosphere	SEDRATI, rafik
[452] Performance for anisotropic flow measurements of the future CBM experiment at FAIR	SELYUZHENKOV, Ilya KLOCHKOV, Viktor KASHIRIN, Evgeny Mr. GOLOSOV, Oleg
[344] Additional sources of antineitrinos in experiments on nuclear reactors	LARIN, Dmitry
[374] The possibility of sterile neutrino search with \$^{144}\$Ce - \$^{144}\$Pr source and liquid scintillation detectors	LOMSKAIA, Irina
[449] Calculated spectrum of muon-induced cascades at great depths of water or ice	SOZINOV, Egor EVDOKIMOV, Dmitriy KHOKHLOV, Semyon
[432] Environmental decoherence in atmospheric neutrinos with IceCube	STUTTARD, Thomas
[446] Поиск тяжелых нейтральных лептонов в эксперименте NA62 (CERN)	KUROCHKA, Viktoriia
[454] Influence of atomic effects on antineutrino spectrum of Pr-144	Mr. TITOV, Oleg
[531] Energy deposition and anisotropic flow comparative analysis using FHCal in MPD experiment (NICA)	Mr. PARFENOV, Peter
[457] Kinks in the relativistic model with logarithmic nonlinearity	Dr. GANI, Vakhid
[543] The probe of the Matrix Element Method at the NLO level in the Higgs boson studies	Mr. BELYAEV, Nikita
[498] Two-loop master integral for the correlator of two composite fermion currents	VOLCHANSKIY, Nikolay
[552] Future e+e- colliders and study of color reconnection effects	PUKHAEVA, Nelli
[535] Development of the signal readout and processing ASIC for GEM detectors	BULBAKOV, Ivan
[524] Design flow of the electronic units of multichannel detector systems for large physical experiments	NORMANOV, Dmitry
[515] Simulation of Gamma-400 calorimeter physical characteristics with considering of optical processes in scintillation crystal.	CHERNYSHEVA, Irina
[488] On application of wobbler in experiments with cylindrical targets	Dr. BARMINOVA, H.
[487] Energy deposition distribution in GGG crystal spaghetti calorimeter during NICA experiments	MOSOLOVA, Ekaterina
[476] Arg(NEST) - Argon Noble Element Simulation Technique	Ms. KOZLOVA, Ekaterina
[466] Разработка жидких органических сцинтилляторов на основе ЛАБ для решения фундаментальных и прикладных задач физики нейтрино	Mr. KUZNETSOV, Denis
[422] A four-layer gaseous detector allowing to measure the energy of charged particles	Dr. POTASHEV, Stanislav
[386] Event identification with machine learning in DarkSide-50 experiment	GROBOV, Alexey
[385] New Tm-containing bolometer for resonat absorption of solar axions.	SEMENOV, D.A.
[368] Compact neutron generators for the calibration of low background experiments	GROMOV, Maxim
	<u> </u>

[367] Complex for spectrometry of hard X-ray and gamma radiation of the Sun and study of polarization of solar flares for the perspective space project SOLARIS.	Dr. GLYANENKO, Alexander
[346] Recovery Time Measurements of the Hamamatsu Linear Assembly SiPM	Mr. KAYUMOV, Fred
[352] Development of Transition Radiation Detectors for hadron identification at TeV energy scale.	Dr. TIKHOMIROV, Vladimir
[477] Fast component in the Xe-dopant LAr	Mr. RUDIK, Dmitry
[460] Fabrication of reactor target from enriched 50Cr for artificial neutrino source	KOZLOVA, Julia
[349] Digitised response of the highly granular ILD hadron calorimeter to single hadrons	Mr. KORPACHEV, Sergey
[508] Development of a large liquid Argon detector for study of CEvNS	Mr. KUMPAN, Alexander
[308] THE POSSIBLE EXPERIMENT FOR SEARCH OF STERILE NEUTRINOS ON THE BASE OF INTENSIVE ANTINEUTRINO SOURCE WITH REGULATED HARD SPECTRUM	LYASHUK, Vladimir
[551] Studying the possibility of FSR suppression in DM decay in dependence of the mass of intermediate particle	Mr. SOLOVIEV, Maxim
[550] Studying effects of microlensing for cluster of primordial black holes	TOSHCHENKO, Konstantin
[549] Superheavy objects composed of nuclear and dark matter	Dr. GANI, Vakhid
[537] The automation of choosing of the optimal kinematic variables for discrimination of the electroweak Zgamma production	SOLDATOV, Evgeny
[523] SEARCH FOR STATES WITH ENHANCED RADII IN TRIPLET 12B-12C-12N	Mr. DANILOV, Andrey
[423] Invariant Cross-Section of secondary particles in forward direction in 20 A GeV carbon beam interactions with nuclear targets	ELUMAKHOV, Dmitry
[335] Reissner-Nordstr\"om solution in tetrad representation as model for classical electron	Dr. MANAENKOV, Serguei
[522] The baryon asymmetry in the framework of the Kaluza-Klein theory	NIKULIN, Valeriy
[481] On Kasner solution in Bianchi I \$f(T)\$ cosmology	SKUGOREVA, Maria
[453] Indirect Dark Matter searches with the HAWC Observatory.	ALFARO, Ruben
[394] Observable relics of the simple harmonic universe	Prof. HORN, Bart
[377] Examples of stable exponential cosmological solutions with three factor spaces in EGB model with a \$\Lambda\$-term	Mr. ERNAZAROV, Kubantai
[319] Поиск событий в детекторе LVD коррелирующих с гравитационным коллапсом тесных двойных систем	ASHIKHMIN, Vsevolod
[298] (2+1) dimensional cosmological models in f(R, T) gravity with Λ (R, T)	Mr. KUMAR, Praveen
[282] Wormholes with quardratic equation of state	Dr. ISLAM, Safiqul
[403] Self-organization of nonlocal energy fluxes instead of Newton's reductionism	Dr. BULYZHENKOV, Igor
[280] Gravitational Hertz experiment in dielectrics, excited by intense laser pulses.	GORELIK, Vladimir
[556] Study of CP violation in the process of associated Higgs boson production with a decay into muon pair	Mr. BELYAEV, Nikita Mr. REESE, Tyler
[269] THE FOUR-DIMENSIONAL SELF-CONSISTENT MODEL OF THE BUNCH OF CHARGED PARTICLES	Prof. CHIKHACHEV, Alexander