

The XXIII International Scientific Conference of Young Scientists and Specialists (AYSS-2019)

Tuesday, 16 April 2019

Condensed Matter Physics: Section 1 (14:00 - 15:30)

-Conveners: Ivan Bobrikov; Timur Tropin

time	[id] title	presenter
14:00	[306] Microstructure investigation of positive electrodes of Li-ion batteries by the method of small-angle neutron scattering	YERDAULETOV, Meir
14:15	[419] DIELECTRIC AND PHYSICOCHEMICAL PROPERTIES OF INTERCALATED NONTRONITE	Mr KUŁACZ, Karol
14:30	[323] Plasmon mechanism of superconductivity	Mr MATASOV, Anton
14:45	[464] General method for optimization of neutron-energy group structure of cross section libraries for different type of reactors – first approach	Mr KOSZUK, Lukasz
15:00	[485] Determination of the impurity composition of the B-N-Al-Ti compound materials obtained under the action of high pressures and temperatures	Ms ALEKSIAYENAK, Yulia

Wednesday, 17 April 2019

Condensed Matter Physics: Section 2 Part 1 (14:00 - 16:00)

-Conveners: Ivan Bobrikov; Timur Tropin

time	[id] title	presenter
14:00	[351] The study of change of phases and structural, corrosive properties and cytotoxicity of nanoparticles based on the magnetite	Ms YERMEKOVA, Assel
14:15	[352] Effect of annealing temperature on the phase state of perovskite systems based on Fe ₃ O ₄ and CeO ₂	Mrs MUSTAKHIEVA, Dina
14:30	[358] NEUTRON AND X-RAY REFLECTOMETRY STUDY OF STRUCTURE IN THIN FILMS OF POLYSTYRENE-FULLERENE NANOCOMPOSITES	Mr KARPETS, Maksym
14:45	[368] Studies of coins of medieval Volga Bulgaria by neutron diffraction and tomography	BAKIROV, Bulat
15:00	[388] The high-pressure effect on the crystal structure of cobaltite LaSrCoO ₄	Ms LIS, Olga
15:15	[397] Research of the structure of cement materials with the addition of graphite for storage of radioactive waste by neutron radiography and tomography	KENESSARIN, Murat
15:30	[399] Mobility of alkali metal atoms in graphene systems with geometric distortions.	Mr YAMALETDINOV, Ruslan
15:45	[401] Structural modification of 12-thungstophosphoric acid by ion beam irradiation	Mr MRAVIK, Željko

Condensed Matter Physics: Section 2 Part 2 (16:30 - 18:30)

-Conveners: Ivan Bobrikov; Timur Tropin

time	[id] title	presenter
16:30	[418] Peculiarities of magnetization loops forms of highly anisotropic NbTi superconducting tapes in an inclined magnetic field	Mr GURYEV, Valentin
16:45	[421] Structural studies of the ancient Iranian bowl by means of the neutron radiography and tomography methods	Mr KOLUPAEV, Evgenii
17:00	[437] Study of the local atomic structure of silver ions in silicate glasses based on X-ray absorption spectroscopy and computer modeling by using density functional theory.	Mr DURYMANOV, Veniamin
17:15	[445] Influence of preparation conditions on the electrochemical properties of layered cathodes for lithium-ion batteries	Dr IVANSHINA, Olga
17:30	[458] A combined approach for solid electrolytes investigations: handling geometrical/topological screening datasets	Dr ZOLOTAREV, Pavel
17:45	[312] Synthesis and temperature changes of the properties of magnetite nanoparticles	Mrs YEGIZBEK, Kamila
18:00	[367] Modeling of Copper Nanoclusters Interaction with Metals at Energies of 100 eV - 10 keV	TUKHLIEV, Zafar