

The XXV International Scientific Conference of Young Scientists and Specialists (AYSS-2021)

Tuesday, 12 October 2021

Condensed Matter Physics (10:15 - 12:00)

time	[id] title	presenter
10:15	[882] HIGH ENERGY HEAVY ION RADIATION TOLERANCE OF CRYSTALLINE AND AMORPHOUS Si ₃ N ₄	MUTALI, Alisher
10:30	[938] Mechanical milling effect on structural and electrochemical properties of lithium-nickel-manganese-cobalt oxide cathode materials	Ms DONETS, Marina
10:45	[927] Raman spectroscopy, neutron scattering and MD simulation combined study of cholesterol and melatonin effects in lipid bilayer	ARYNBEEK, Yersultan
11:00	[956] Simulation of changes in thermal conductivity of aluminum oxide irradiated with swift heavy ions	AKZHUNUSSOV, Aidos
11:15	[884] Composite "track-etched membrane modified with chitosan and metal-organic framework" for heavy metal sorption	IVANSHINA, Olga
11:30	[896] The role of defects in graphene for removal of toxic compounds	JELIĆ, Marko
11:45	[917] Isoscattering point in SANS contrast variation studies of core-shell nanoparticles	Dr TOMCHUK, Oleksandr

Condensed Matter Physics (15:45 - 17:45)

time	[id] title	presenter
15:45	[941] Stabilizing Na _{0.7} MnO ₂ cathode for Na-ion battery via surface coating	USHAKOVA, Elena
16:00	[877] Investigation of two-dimensional topological insulator candidate, Pt ₂ HgSe ₃	Mr KANDRAI, Konrád
16:15	[920] A study high pressure effect on the vibrational spectra of ranitidine hydrochloride	DYUSSEMBEKOVA, Saule
16:30	[929] Crystal and magnetic structure investigation of half-Heusler compounds MnNi _{0.9} M _{0.1} Sb (M = Ti, V, Cr, Fe, Co)	RUTKAUSKAS, Anton
16:45	[930] Neutron reflectometry with registration of the secondary radiation	Mr ZHAKETOV, Vladimir
17:00	[944] Determination of the second critical magnetic field of superconductors in the model for a system with two states	DOVMALOV, Armen
17:15	[948] A model of the conductivity of composite materials	Ms BABYSHKINA, Darya
17:30	[958] Effects of γ -Irradiation on High-Density Polyethylene/SiO ₂ Polymer Nanocomposite Films	NABIEV, Asif