

IX Conference of Young Scientists "Problems of Theoretical Physics"

Wednesday 05 December 2018

Condensed Matter Physics (10:45-15:40)

time	[id] title	presenter
10:45	[25] Equilibrium states of antiferromagnetic ring-shaped and helix-shaped spin chains with hard-tangential anisotropy	Mr KONONENKO, Denys
11:05	[5] An effective theory for Heisenberg antiferromagnet on one-dimensional frustrated lattices at high magnetic fields	Ms KRUPNITSKA, Olesia
11:25	[11] Ground-state phases of frustrated bilayer quantum Heisenberg antiferromagnets	BALIHA, Vasyi
11:45	Coffee Break	
12:05	[17] Boundary conditions for the superconducting junctions at temperatures close to critical	PASTUKH, Oleksandr
12:25	[18] A current density dependence on phase differences in layered superconducting structures of SISIS type	SHUTOVSKYI, Arsen
12:45	[8] The third sound as an electric field generator	KONSTANTINOV, Aleksandr
13:05	[9] Features of light coupling in low-loss 2D periodic structures supporting phonon polariton	MANKOVSKA, Yuliia
13:25	[15] Influence of correlated hopping on the optical conductivity spectra	Mr DOBUSHOVSKYI, Danylo
13:45	Lunch	
15:00	[21] On consistency of classical homogenization ϵ_{eff} models for the permittivity of statistically homogeneous mixtures	SEMENOV, Andrii
15:20	[7] Features of thermal transport in strained and compressed crystalline silicon	Mr NEPOCHATYI, Oleksii