Institute for Basic Science

Workshop

Theoretical Physics of Complex Systems

Nov 12 - 13, 2026

Program

Thursday, November 12

11:00 – 11:30	Igor Aronson, Pennsylvania State University, USA *Field description of collective tissue migration*
11:30 – 12:00	Alexei Andreanov, CTIQS IBS *Levy SYK*
12:00 – 14:00	Lunch
14:00 – 14:30	Boris Altshuler, Columbia University, USA *TBA*
14:30 – 15:00	Sunghun Park, CTIQS IBS *A logical qubit encoded in the motional modes of a trapped ion*
15:00 – 15:30	Coffee Break
15:30 – 16:00	Sergej Flach, CTIQS IBS *Disorder-tailored delocalization*
16:00 – 16:30	Jung-Wan Ryu, CTIQS IBS *Momentum-space switching domains under cyclic \ modulation*
16:30 – 17:30	Discussions
17:30 – 18:30	Dinner

Friday, November 13

11:00 – 11:30 Hee Chul Park, Pukyong National University, Korea
Pseudo-Landau levels on a strain crystal

11:30 – 12:00 Oleg Utesov, KAIST, Korea
Novel regimes of single-spot exciton-polariton condensation

12:00 – 14:00 Lunch

14:00 – 14:30 Leonid Gorelik, Chalmers University of Technology, Sweden
Adiabatic Pumping of Cooper Pairs through Superconducting Shuttle Device

14:30 – 15:00 Yeongjun Kim, CTIQS IBS
Nematic phase transition in 1D flat-band condensates

15:00 – 15:30 Changhwan Yi, Pukyong National University, Korea
TBA

15:30 – 17:00 Discussion