

# Program Schedule

	Feb. 3 <sup>rd</sup> (Mon)	Feb. 4 <sup>th</sup> (Tue)
10:00 ~ 12:00	Arrival	<b>Poster Session</b> (Sky Lounge)
12:00 ~ 13:00	Lunch	
13:00 ~ 14:00	<b>Opening &amp; Invited talk</b> (Jung Geun Mo Conference Hall) By Hawoong Jung & Jae-yoon Choi	<b>Session C : Condensed Matter physics</b> (Jung Geun Mo Conference Hall)  Chair : Geun-Hee Lee (KAIST)
14:00 ~ 15:30	<b>Session A : Nuclear &amp; Particle physics</b> (Jung Geun Mo Conference Hall) Chair : Gibeom Son (SNU)	
15:30 ~ 16:00	<b>Session B : Atomic &amp; Optical physics, Statistical &amp; Bio-physics</b> (Jung Geun Mo Conference Hall) Chair : Juhyeok Lee (KAIST)	Closing (Jung Geun Mo Conference Hall)
16:00 ~ 16:30		
17:00 ~ 18:00		<b>Session C : Condensed Matter physics</b> (Jung Geun Mo Conference Hall) Chair : Geun-Hee Lee (KAIST)
18:00 ~	Banquet (Sky Lounge)	

# Oral Presentation

<b>Invited Talk: Professor Jaeyoon Choi 최재윤 교수님 (KAIST)</b>		
<b>Session A: Nuclear &amp; Particle Physics</b>		
A-1	Search for Charged Higgs Boson decaying to c bear in ttbar lepton+jets channel with CMS Full Run2 Data	Byunghun Oh (SNU)
A-2	Perturbative calculation of $Z_q$ at the one-loop level using HYP-smearred staggered quarks	Benjamin J. Choi (SNU)
A-3	Neutrino Elastic-scattering Observation with NaI[Tl](NEON)	Jae Jin Choi (SNU)
<b>Session B: Atomic &amp; Optical Physics, Statistical &amp; Bio-Physics</b>		
B-1	Potential energy landscape manipulation of room-temperature whispering gallery polariton condensation	Hyun Gyu Song (KAIST)
B-2	Dynamic Heterogeneity on Lipid Monolayers under Pressure	Yeonghoon Kim (POSTECH)
B-3	Conformational dynamics distribution of cytochrome c by calculating three-dimensional nanogold pair distance	Yeeun Kim (KAIST)
<b>Session C: Condensed Matter Physics</b>		
Monday		
C-1	Fractionalized Fermi liquid to quantum spin liquid via partial Kondo screening	Hee Seung Kim (KAIST)
C-2	Doping study of ultra-wide bandgap spinel semiconductor ZnGa <sub>2</sub> O <sub>4</sub> films	Seongyun Hong (SNU)
Tuesday		
C-3	Emergence of supersymmetry from spin-lattice coupling	SangEun Han (KAIST)
C-4	Band alignment and interlayer interactions induced topological states in indium chalcogenide superlattices and layered Janus structures.	Yoongu Kang (KAIST)
C-5	Topological guiding of magnetic skyrmion using domain wall for skyrmion racetrack devices	Moojune Song (KAIST)
C-6	Emergence of hidden order phases in a pyrochlore spin ice	Hyeok-Jun Yang (KAIST)
C-7	Semiclassical Boltzmann Magnetotransport in Topological Materials	Seungchan Woo (SNU)

## Poster Presentation List

<b>Poster Session B: Atomic &amp; Optical Physics, Statistical &amp; Bio-Physics</b>		
PB-1	Broadband Time Domain Spectroscopy of Magnetism	In Cheol Yu (KAIST)
PB-2	Ultrafast Carrier Dynamics in Perovskite Solar-Cells by using Transient Absorption Spectroscopy	Junho Park (KAIST)
PB-3	Reconfigurable optoacoustic generation of optical vortices in subwavelength-hole photonic waveguides	Dae Seok Han (KAIST)
PB-4	Widely Tunable Narrow-linewidth Transform-limited Passively Mode-locked Erbium-doped Fiber Laser	Chang Kyun Ha (KAIST)
PB-5	Interpretation of the quantum MHD equations with osmotic velocity	Chang Ho Woo (KAIST)
PB-6	2D Terahertz Single-Pixel Coherent Diffraction Imaging	Seong Cheol Lee (KAIST)
PB-7	Graphene mode-locked femtosecond Cr <sup>2+</sup> :ZnS laser	Jihoon Choi (KAIST)

<b>Poster Session C: Condensed Matter Physics</b>		
PC-1	Superconducting Sr <sub>2</sub> RuO <sub>4</sub> thin film growth by controlling structural defects	Jinkwon Kim (SNU)
PC-2	Interacting spin-3/2 and spin-1 Fermions : Topological superconductivity	GiBaik Sim1 (KAIST)
PC-3	Observation of the Kondo Screening Cloud of Micron Lengths: the theory	Jeongmin Shim (KAIST)
PC-4	Probing superfluid <sup>4</sup> He thin film using nanomechanical resonator	Hyun Jin Choi (KAIST)
PC-5	Deep learning noise filter of 3D reconstruction in tomography	Juhyeok Lee (KAIST)
PC-6	Theoretical study on electron arrival time detection by a dynamical barrier	Wanki Park (KAIST)
PC-7	Thermal Conductivity Measurement of 2D He Film with MEMS	Ryundon Kim (KAIST)
PC-8	Tunable quantum interference effect on magnetoconductivity in few-layer black phosphorus	Sunghoon Kim (SNU)
PC-9	Fractional Statistics on Integer Quantum Hall Edges	June-Young M. Lee (KAIST)
PC-10	Fraunhofer pattern of a Josephson junction on a topological insulator	Hyeongseop Kim (KAIST)

