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(구두발표 부문)

* 총 89건

TA1.02*

A Background Estimation on ME0 Region Using FLUKA in CMS Experiment. / CHOI Minuk^{*1}

(¹Department of Physics, Sungkyunkwan University)

TA1.06*

Search perspective of the anomalous effects from the fully leptonic WZ_ν production at High-

Luminosity LHC / KIM DongHee^{*1}, YANG Yu Chul¹, LEE DongYub¹, KIM Jiwoong¹, PARK Byoungjun¹

(¹Department of Physics, Kyungpook National University)

TA2.08*

Study of cosmic-ray muon trajectories with plastic scintillator panels and silicon photomultipliers / KIM Jinyoung^{*1}, LEE Yujin¹ (¹Physics, Chung-Ang University)

TA11.06*

테라헤르츠 메타물질 기반 열곡선 분석을 통한 박테리아 및 곰팡이 식별 / JUN Seungwon¹, AHN Yeong Hwan^{*1} (¹Department of Physics and Department of Energy Systems Research, Ajou University)

TA12.01*

Two-Dimensional Magnonics with the Spin-Orbit Coupling / LEE Jongjun M.¹, HWANG Myung-Joong^{2,3}, LEE Hyun-Woo^{*1} (¹Department of Physics, POSTECH, ²Division of Natural and Applied Sciences, Duke Kunshan University, ³Zu Chongzhi Center for Mathematics and Computational Science, Duke Kunshan University)

TA12.06*

Conformational heterogeneity of molecules physisorbed on a gold surface at room temperature / KANG MINGU¹, KIM Hyunwoo², OLEIKI Elham³, KOO Yeonjeong¹, LEE Hyeongwoo¹, JOO Huitae⁴, CHOI Jinseong⁴, EOM Taeyong⁵, LEE Geunsik³, SUH Yung Doug^{2,3}, PARK Kyoung-Duck^{*1} (¹Physics, POSTECH, ²Laboratory for Advanced Molecular Probing, KRICT, ³Chemistry, UNIST, ⁴Physics, UNIST, ⁵Thin Film Materials Research Center, KRICT)

A1.05*

Inclusive and differential cross section measurements of ttbb production in the lepton+jets

channel at $\sqrt{s} = 13$ TeV with the CMS detector / SONG Juhee^{*1}, KIM TAE JEONG¹ (¹Physics, Hanyang University)

A1.09*

Search for Charged Higgs Boson Decaying to W Boson and Pseudo-scalar Higgs Boson at $\sqrt{s} = 13$ TeV with CMS Full Run 2 dataset / CHOI Jin¹, BHYUN Ji Hwan¹, YANG Un-ki^{*1} (¹Department of physics and astronomy, Seoul National University)

A3.04*

Development of Beam Drift Chamber for LAMPS at RAON / HONG Byungsik^{*1}, HWANG Jaein¹, MOON Dong Ho², KIM Hyun-chul², BAE Yunseul², SEO Junhu², HEO Cheong², KIM Youngjin³, LEE Hyosang³, LEE Cheongsoo³ (¹Department of Physics, Korea University, ²Department of Physics, Chonnam National University, ³Rare Isotope Science Project, Institute for Basic Science)

A7.05*

Transparent conductors of correlated vanadium Wadsley phases at infrared region up to 8-um-wavelength / CHOI Songhee¹, KANG Joongoo¹, RYU Sangkyun², JEEN Hyoungjeen², OH Junhyeop³, LEE Ji-Hyun³, JANG Jae Hyuck³, AHN Gihyeon⁴, MOON Soon Jae⁴, CHANG Sung-Jin⁵, SON Jaeseok⁵, LEE Shinbuhm^{*1} (¹Emerging Materials Science, DGIST, ²Department of Physics, Pusan National University, ³Electron Microscopy Research Center, KBSI, ⁴Department of Physics, Hanyang University, ⁵Department of Physics and Astronomy, CCES (IBS))

A10.03*

Optical investigations of pressure-induced phase transitions in type-II Weyl semi-metal WTe_2 / JU Hwiin¹, LEE Duk Hyun², JUNG Suyong², LEE Jong Seok^{*1} (¹Department of Physics and Photon Science, GIST, ²Interdisciplinary Materials Measurement Institute, KRISS)

A10.07*

HfZrO₂-based Negative Capacitance Field Effect Transistor with Monolayer MoS₂ as Channel Layer and Correlation with Contact Resistance / SUH Dongseok^{*1,2}, JUNG Moonyoung¹ (¹Department of Energy Science, Sungkyunkwan University, ²Center for Integrated Nanostructure Physics, Institute for Basic Science)

A11.05*

Commissioning of the UNIST-EBIT at PAL-XFEL / CHUNG Moses^{*1}, PARK SungNam¹, SHIN Bokkyun¹ (¹Department of Physics, UNIST)

A14.08*

Multimode Exciton-Polaritons in Self-Assembled Hybrid Inorganic-Organic Perovskite Microcavities / TAHIR Zeeshan^{1,3}, RASHID Mamoon Ur^{1,3}, KIM Sungdo^{1,3}, LE Chinh Tam^{1,3}, DANG Dinh Khoi^{1,2}, KIM Yong Soo^{*1,3} (¹Department of Physics, University of Ulsan, ²Department of Chemical Technology, Ho Chinh Minh City University of Technology and Education, ³Energy Harvest-Storage Research Center, University of Ulsan)

A16.04*

Measurement of physical change of bacteria in low frequency dielectric relaxational characteristics / YOO Kyung-Hwa^{*1,2}, LEE KyoSeok¹, LEE Sun-Mi² (¹Department of Physics, Yonsei University, ²Nanomedical Graduate Program, Yonsei University)

B1.05*

Higgs to dimuon discovery using quark/gluon tagging of ISR and Systematic treatment of unwanted learning / CHO Won Sang¹, HAN Subin¹, KIM Hyung-do^{*1}, DONGSUB Lee¹ (¹Department of Physics and Astronomy, Seoul National University)

B2.09*

Holographic solvable model for the superconducting dome / YUK Taewon¹, SIN Sang Jin^{*1} (¹physics department, Hanyang University)

B3.04*

The $^{14}\text{O}(\alpha,p)^{17}\text{F}$ Direct Cross Section Measurement Using TexAT_v2 / HAHN Insik^{*2}, PARK Chaeyeon¹, AHN Sunghoon Tony², GU Gyoungmo³, KIM Geunwoo⁴, KIM Dahee², KIM Minju³, KIM Aram⁵, DO Seungkyung⁵, BAE Sunghan², CHA Soomi² (¹Department of Physics, Ewha Womans University, ²Center for Exotic Nuclear Studies, IBS, ³Department of Physics, Sungkyunkwan University, ⁴Department of Physics, Sejong University, ⁵Department of Physics, Korea University)

B10.01*

Nondestructive thickness determination of polymers based on optical contrast of graphene / LEE Hyunkyung¹, LEE Kyungmin¹, RYU Seonjong¹, YI Yoonhyuck¹, JEON Jinho¹, KIM Songkil², KANG Haeyong^{*1,3} (¹Department of Physics, Pusan National University, ²School of Mechanical Engineering, Pusan National University, ³Research Center for Dielectric and Advanced Matter Physics, Pusan National University)

B10.07*

Optical Signatures of Carrier Localization in Atomically Thin Exfoliated WSe₂ / HOSSEN Raqibul¹, PARK SangHyuk¹, LEE SEONG YEON², AHN Seonghun³, CHO Yong Hoon³, YEE Ki Ju², JHO Young Dahl^{*1} (¹School of Electrical and Computer Engineering, GIST, ²Department of Physics, Chungnam

National University, ³Department of Physics, KAIST)

B13.01*

Atom Throw and Catch / HWANG Han Sub¹, BYUN Andrew¹, AHN Jaewook^{*1} (¹Physics, KAIST)

B16.06*

Transcriptional pause takes role in riboswitch-regulated Rho-dependent termination / HOHNG Sungchul^{*1,2}, SONG Eunho² (¹Department of Physics and Astronomy, Seoul National University, ²Institute of Applied Physics, Seoul National University)

BB1.02*

Search for Heavy Majorana Neutrino in same-sign dilepton + jets events with CMS Run 2 data / YANG Un-ki^{*1}, KIM Jihun¹, ALMOND John¹, LEE Haneol¹, JEON Si Hyun¹, KIM Youngwan¹ (¹Department of physics and astronomy, Seoul National University)

BB2.03*

Nearest neutrino detector at Hanbit nuclear power plant / YOO Jonghee^{*1}, LEE Wonjun¹, YOON Seok-Gyeong¹ (¹Physics and Astronomy, Seoul National University)

BB3.02*

Dynamically generated axial-vector meson resonance in the chiral symmetry restored vacuum / KIM Jisu¹, LEE Su Houg^{*1} (¹Yonsei University)

BB4.04*

Variational Monte Carlo study on the kagome lattice with staggered scalar spin chirality / KIM Hee Seung¹, YANG Hyeok-Jun¹, PENC Karlo², LEE SungBin^{*1} (¹physics, KAIST, ²physics, Wigner Research Centre for Physics, HUNGARY)

BB5.02*

Hidden broken rotational symmetry of charge density wave states of 1T-TaS₂ from atomic-scale thermopower / SHIN Eui-Cheol¹, KIM Dohyun², LEE Yongjoon¹, LEE Young Hee^{2,3}, ZHAO Mali⁴, KIM Yong-Hyun^{*1}, YANG Heejun^{*1} (¹Department of Physics, KAIST, ²Department of Energy Science, Sungkyunkwan University, ³Center for Integrated Nanostructure Physics, Institute for Basic Science, ⁴College of Materials Science and Engineering, Tongji University, CHINA)

BB6.05*

Strain dependent magneto-crystalline anisotropy of atomically thin Fe₃GeTe₂ / RHIM Sonny^{*1}, KIM GyeongHye¹, AIN Qurat UI², HONG Soon Cheol¹ (¹Department of Physics, University of Ulsan,

²School of Natural Science, National University of Science and Technology, PAKISTAN)

BB6.07*

Understanding thermal property of 2D chiral magnetic system using deep learning network / YOON Han Gyu¹, LEE Doobong¹, PARK SeongMin¹, CHOI Jun Woo², KWON Hee Young^{*2}, WON Changyeon^{*1} (¹department of physics, Kyung Hee University, ²center for spintronics, KIST)

BB8.02*

Ferroelectricity and Antiferroelectricity of Excimer Laser Annealed $\text{Hf}_x\text{Zr}_{1-x}\text{O}_2$ Thin Films / SONG Myeong seop¹, CHO Jungwoo¹, AN Chi hwan¹, CHAE Seung Chul^{*1} (¹Dept. of Physics Education, Seoul National University)

W1.04*

Performance of the PF hadron calibration and Jet energy correction for Run III HLT at CMS experiment / HUH Changgi^{*1}, LEE Sehwook¹, LEE Junghyun¹ (¹Department of Physics, Kyungpook National University)

W9.01*

Transparent nanotube microelectrode arrays on graphene for intracellular recording and optical imaging / LEE Jamin^{1,4}, LEE Keundong², KANG Kyumeen¹, ALI Asad^{1,3,4}, KIM Dong Wook³, AHN Hyerim⁵, LEE Byung Hun⁷, TCHOE Youngbin², PARK Hye Yoon^{3,4,5}, YI Gyu-Chul^{*1,3,4,6} (¹Seoul National University, ²Department of Electrical and Computer Engineering , UCSD, ³Department of Physics and Astronomy, Seoul National University, ⁴Institute of Applied Physics, Seoul National University, ⁵Department of Electrical and Computer Engineering , University of Minnesota, USA, ⁶Research Institute of Advanced Materials , Seoul National University, ⁷Department of Chemistry and Chemical Biology, Harvard University, USA)

C2.01*

Holographic duals of Argyres-Douglas theory / COUZENS Christopher¹, KIM Hyojoong¹, KIM Nak Woo¹, LEE Yein^{*1} (¹Department of Physics, Kyung Hee University)

C6.08*

On-chip microwave frequency comb generation in a superconducting niobium electromechanical device / RYU Younghun², SHIN Junghyun¹, MIRI Mohammad-Ali³, SHIM Seung-Bo¹, CHOI Hyoungsoon², ALU Andrea³, SUH Junho¹, CHA Jinwoong^{*1} (¹Quantum Technology Institute, KRISS, ²Physics, KAIST, ³Physics Program, City university of New York, USA)

C13.02*

Nonequilibrium quench dynamics of a unitary Fermi gas in an optically tunable potential / LEE Kyuhwan¹, KIM Sol¹, KIM Taehoon¹, SHIN Yong-il^{*1} (¹Department of Physics and Astronomy, Seoul National University)

C13.06*

Towards the creation of quantum degenerate molecular gases of NaK with long-range dipolar interactions / LEE Sung Jun¹, CHANG Jae Ryeong¹, KIM Yoon Soo¹, LIM Young Hoon¹, PARK Jee Woo^{*1} (¹Department of Physics, POSTECH)

D5.03*

Topological Josephson Trijunctions: Source and Path for Majorana Bound States / KIM Kyungtae^{*1}, LEE June-Young M.¹, KIM Hyeongseop¹, SIM Heung-Sun¹ (¹Department of Physics, KAIST)

D5.05*

Fractional Josephson effect in Josephson junctions of topological insulator nanoribbons / KIM Nam Hee¹, JANG Yeongmin¹, HOU Yasen², YU Dong², DOH Yong-Joo^{*1} (¹Department of Physics and Photon Science, GIST, ²Department of Physics, UC Davis, USA)

D10.05*

Higher-order components in hypergraphs / KIM Jung-Ho¹, GOH KWANG-IL^{*1} (¹Korea University)

D10.06*

Growing scale-free hypergraph models with realistic hyperedge characteristics / GOH KWANG-IL^{*1}, ROH Dahae¹ (¹Korea University)

D11.07*

Enhancement of the Compression Ratio in the Plasma-based Laser Pulse Compression / SUK Hyiyong^{*1}, HUR Min Sup², LEE Hyojeong¹, 김수호¹, KANG Keekon¹, ROH Kyungmin¹ (¹Dept. of Physics and Photon Science, GIST, ²Dept. Of Physics, UNIST)

D13.05*

Optical Phase-locking of Two 1560 nm DFB fiber Lasers using Acousto-Optic Modulator for ⁸⁷Rb atomic gravimeter / LEE Sanglok^{1,2}, SUNGI Hwang¹, BAEK Jaeuk¹, LEE Min-Hwan¹, KWON Taeg Yong², LEE Sang Bum², PARK Sang Eon², MOON Geol^{*1} (¹Department of Physics, Chonnam National University, ²Time and Frequency, KRISS)

D13.07*

Trapping a long ion string / KIM Keumhyun^{*1}, BAE Seunghun¹, JEONG Noa¹, HONG Jungsoo¹, KIM

Myunghun¹, LEE Moonjoo¹ (¹electrical engineering, Electrical Engineering, POSTECH)

E1.05*

Status of COMET Phase-I experiment / RAZQUIN LIZARRAGA Amaia^{*1}, LEE Myeong Jae¹ (¹Physics Department, Sungkyunkwan University)

E10.05*

Diffusion dynamics and ergodicity for active Ornstein-Uhlenbeck particles governed by a nonequilibrium generalized Langevin equation / JOO Sungmin¹, JEON Jae-Hyung^{*1,2} (¹Department of Physics, POSTECH, ²., Asia-Pacific Center for Theoretical Physics(APCTP))

E17.06*

학생 수준의 푸코 진자 실험이 어려운 이유와 그 해결 방법에 대하여 / JUNG Da Won¹, SUNG Si Jin¹, PARK Sang Tae¹, LEE Kyung Suk^{*1} (¹Department of Physics Education, Kongju National University)

EE1.01*

Physics-focused HEP data analysis with ADL/CutLang / HUH Changgi^{*1}, SEKMEN Sezen¹, LEE Junghyun¹, UNEL Gokhan², PROSPER Harrison³, SEN Burak⁴ (¹Department of Physics, Kyungpook National University, ²Department of Physics, University of California, USA, ³Department of Physics, Florida State University, USA, ⁴Department of Physics, Middle East Technical University, TURKEY)

EE2.07*

Positron Confinement by Magnetic Bottle for Korea Experiment on Magnetic Monopole (KAEM) / LEE Junghyun^{*1}, HAUPTMAN John², HUH Changgi¹, KIM Bobae¹, LEE Sehwook¹, RYU Min Sang³ (¹Department of physics, Kyungpook National University, ²Department of physics, Iowa state university, ³The Center for High Energy Physics, Kyungpook National University)

EE3.05*

The mass-radius relations of neutron stars in an pion mean-field approach / KIM Hyun-Chul^{*1}, GHIM Nam-Yong¹, ULUGBEK Yakhshiev¹, YANG Ghil Seok² (¹Inha University, ²Department of General Education for Human Creativity, Hoseo University)

EE3.10*

Measurement of K*(892) production in ¹²C(K,p) reactions at J-PARC / AHN Jung Keun^{*1}, CHOI Sung Wook¹ (¹Department of Physics, Korea University)

EE5.06*

First-principles studies of multiple CDW orders in monolayer 1T-TaTe₂ / JIN Yeongrok¹, HWANG

Jinwoong², LEE Jaekwang^{*1} (¹Department of Physics, Pusan National University, ²Department of Physics, Kangwon National University)

EE6.02*

Higher harmonics in planar Hall effect induced by cluster magnetic multipoles / NOH Tae Won^{*1,2}, OH Taekoo^{1,2}, KO Eun Kyo^{1,2}, LEE Ji Hye^{1,2}, KIM Woo Jin^{3,4}, ZHU Yangyu⁵, YANG Bohm^{1,2}, LI Yangyang⁵, SONG Jeongkeun^{1,2} (¹Department of Physics and Astronomy, Seoul National University, ²Center for Correlated Electron Systems, CCES (IBS), ³Stanford Institute for Materials and Energy Sciences, SLAC National Accelerator Laboratory, USA, ⁴Department of Applied Physics, Stanford University, USA, ⁵School of Physics, Shandong University, CHINA)

EE8.08*

Critical role of frictional-heat on material-transfer induced triboelectrification: In-operando triboelectric charge and temperature variation measurements during sliding motion / LEE Dong Woo¹, KONG Dae Sol¹, KO Young Joon¹, JUNG Jong Hoon^{*1} (¹Department of Physics, Inha University)

EE8.09*

Na-assisted charge carrier transport under stress in flexible $\text{Cu}_2\text{ZnSn}(\text{S,Se})_4$ thin film solar cells / PARK Ha Kyung¹, CHO Yunae^{1,2}, KIM Juran¹, KIM Sammi³, KIM Sungjun⁴, KIM Jeha⁴, YANG Kee-Jeong³, KIM Dae-Hwan³, KANG Jin-Kyu³, JO William^{*1,2} (¹Department of Physics, Ewha Womans University, ²New and Renewable Energy Research Center, Ewha Womans University, ³Division of Energy Technology, DGIST, ⁴Department of Solar & Energy Engineering, Cheongju University)

EE9.04*

Reduction of sheet resistance of PEDOT:PSS electrodes using the Brij C10 surfactant and its application to perovskite solar cells / CHOI Seungsun^{1,2}, KIM Wonsik³, SIHN Woojin^{1,2}, HAN Hye Ji¹, PARK Chaeryeon¹, OH Hyesung^{1,2}, JUNG Sehyun^{1,2}, PARK Soohyung³, LEE Hyun Bok^{*1,2} (¹Department of Physics, Kangwon National University, ²Institute of Quantum Convergence Technology, Kangwon National University, ³Advanced Analysis Center, Korea Institute of Science and Technology)

EE9.05*

Enhanced Crystallization and Passivated Grain-Boundary Defects via Interface Engineering with NH_4^+ for Stable and Highly Efficient Perovskite Solar Cells / KIM JIHYUN¹, JO William^{*1,2} (¹Department of Physics, Ewha Womans University, ²New and Renewable Energy Research Center, Ewha Womans University)

EE14.06*

Fabrication of metallic nanoholes and hybrid plasmonic structures by Tip-based lithography utilizing a sacrificial layer / JANG Jae Won^{*1}, JO Jeong-Sik¹ (¹Division of Physics and Semiconductor Science, Dongguk University)

EE15.01*

Analog Behavior in Ferroelectric $Al_{1-x}Sc_xN$ Thin Film / LEE Tae Yoon¹, SONG Myeong seop¹, CHAE Seung Chul^{*1} (¹Dept. of Physics Education, Seoul National University)

F1.10*

Constraining ALPs from PBH with time-varying decay process - Part.2 / KIM Tae-Geun¹, PARK Yeji¹, JHO Yongsoo¹, PARK Jong-Chul², PARK Seongchan^{*1} (¹Department of Physics, Yonsei University, ²Department of Physics, Chungnam National University, ³Yonsei University)

F2.06*

Two-track local atomic structure analysis of potential coating materials for future gravitational wave detectors / KIM Minhyo¹, LEE Kyung-ha^{*1} (¹Physics, Sungkyunkwan University)

F5.03*

Giant bulk photovoltaic effect driven by the wall-to-wall charge shift in WS_2 nanotubes / KIM BUMSEOP¹, PARK Noejung^{*1}, KIM Jeongwoo² (¹UNIST, ²Physics, Incheon National University)

F6.02*

Two-terminal self-gating flash memory with rectifying behavior based on van der Waals materials / KIM Myeongjin¹, YOO Kyung-Hwa^{*1} (¹Department of Physics, Yonsei University)

F6.07*

Activating sub-surface layer in $Ba_{1-x}RuO_{3-x}$ thin films for hydrogen evolution / LEE Jegon¹, NAM Seung Hyun¹, YOON Sangmoon², HWANG Jae-Yeol³, PARK Jucheol⁴, KIM Do-Hyun¹, OH Jin Young¹, JEONG Seung Gyo¹, BAE Jong-Seong⁵, LEE Sang A³, CHOI Woo Seok^{*1} (¹Physics, Sungkyunkwan University, ²Department of Physics, Gachon University, ³Department of Physics, Pukyong National University, ⁴Gyeongbuk Science & Technology Promotion center, GERI, ⁵Busan Center, KBSI)

F10.02*

Robustness of KT universality class against particle diffusion / WOO Chul-Ung¹, NOH Jae Dong^{*1} (¹Department of Physics, University of Seoul)

G1.07*

DQM and data handling procedure of first dual-readout calorimeter test beam experiment at

CERN for future e^+e^- colliders / YOO Hwidong^{*1}, KIM Sungwon¹, CHO Guk¹, EO Yun¹, HA Seungkyu¹, HWANG Kyuyeong¹, JANG Haeun¹, JANG Seoyun¹, KIM Dongwoon¹, KIM Tongil¹, WATANUKI Shun¹, HUH Changgi², JO Hyon-Suk², KIM Bobae², LEE Changhui², LEE Junghyun², LEE Sehwook², RYU Min Sang², KO Sanghyun³, KWON Hyejin³, KIM Doyeong⁴, LEE Hyupwoo⁴, LEE Jason⁴, LEE Yunjae⁴, SON Youngwan⁴, WATSON Ian⁴, KWON Nahye⁵, PARK Hyesung⁵, CHEON Yechan⁶, KIM Yongsun⁶, KIM Yongjun⁷, LIM Sanghoon⁷, RYU Jaehyeok⁷, BAE Joonsuk⁸, KIM Beomkyu⁸, LEE Hyungjun⁸, PARK Hyebin⁸, CHAE Sooho⁹, HWANG Jieun⁹, KIM Minsuk⁹, OH Minseok¹⁰, ENARI Yuji¹¹, CHOI Suyong¹², CHEON Byunggu¹³ (¹Department of Physics, Yonsei University, ²Department of Physics, Kyungpook National University, ³Department of Physics, Seoul National University, ⁴Department of Physics, University of Seoul, ⁵Severance Hospital, Yonsei University, ⁶Department of Physics, Sejong University, ⁷Department of Physics, Pusan National University, ⁸Department of Physics, Sungkyunkwan University, ⁹Department of Physics, Gangneung Wonju National University, ¹⁰Department of Physics, KIT, GERMANY, ¹¹Department of Physics, University of Tokyo, JAPAN, ¹²Department of Physics, Korea University, ¹³Department of Physics, Hanyang University)

G1.08*

Study on energy resolution of the dual-readout calorimeter for future e^+e^- colliders using GEANT4 simulation and the first test-beam data / YOO Hwidong^{*1}, CHO Guk¹, EO Yun¹, HA Seungkyu¹, HWANG Kyuyeong¹, JANG Haeun¹, JANG Seoyun¹, KIM Dongwoon¹, KIM Sungwon¹, KIM Tongil¹, WATANUKI Shun¹, HUH Changgi², JO Hyon-Suk², KIM Bobae², LEE Changhui², LEE Junghyun², LEE Sehwook², RYU Min Sang², KO Sanghyun³, KWON Hyejin³, KIM Doyeong⁴, LEE Hyupwoo⁴, LEE Jason⁴, LEE Yunjae⁴, SON Youngwan⁴, WATSON Ian⁴, KWON Nahye⁵, PARK Hyesung⁵, CHEON Yechan⁶, KIM Yongsun⁶, KIM Yongjun⁷, LIM Sanghoon⁷, RYU Jaehyeok⁷, BAE Joonsuk⁸, KIM Beomkyu⁸, LEE Hyungjun⁸, PARK Hyebin⁸, CHAE Sooho⁹, HWANG Jieun⁹, KIM Minsuk⁹, OH Minseok¹⁰, ENARI Yuji¹¹, CHOI Suyong¹², CHEON Byunggu¹³ (¹Department of Physics, Yonsei University, ²Department of Physics, Kyungpook National University, ³Department of Physics, Seoul National University, ⁴Department of Physics, University of Seoul, ⁵Severance Hospital, Yonsei University, ⁶Department of Physics, Sejong University, ⁷Department of Physics, Pusan National University, ⁸Department of Physics, Sungkyunkwan University, ⁹Department of Physics, Gangneung Wonju National University, ¹⁰Department of Physics, Karlsruhe Institute of Technology, GERMANY, ¹¹Department of Physics, University of Tokyo, JAPAN, ¹²Department of Physics, Korea University, ¹³Department of Physics, Hanyang University)

G2.03*

Decay of cosmological anisotropies in Bianchi VII spacetime / LEE Hochoel^{*1,2}, LEE Bum-Hoon^{1,2}, LEE Wonwoo², NILSSON Nils A.², THAKUR Somyadip² (¹Sogang University, ²CQUeST, Sogang University)

G3.04*

Study of Monte Carlo simulation for quarkonia production in heavy-ion collisions / KWEON Min Jung^{*1}, SEO Jinjoo¹ (1Inha University)

G3.07*

Investigation of the nonflow corrections in p–Pb collisions at the ALICE acceptance / LIM SangHoon^{*1}, JI SuJeong¹ (1Physics Department, Pusan National University)

G5.05*

Accelerated computation of lattice thermal conductivity using neural network interatomic potentials / CHOI JeongMin^{*1}, LEE Kyeongpung¹, JEONG Wonseok², HAN Seungwu¹ (1Materials science and engineering, Seoul National University, ²Department of Energy, Lawrence Livermore National Laboratory, USA)

G5.09*

First-principles study on oxygen vacancy diffusion in Sr-doped La_2CuO_4 / KWON Young-Kyun^{*1,2}, PARK Changwon³, PARK Sohee² (1Department of Physics, Kyung Hee University, ²Department of Information Display and Research Institute for Basic Sciences, Kyung Hee University, ³School of Computational Sciences, KIAS)

G6.04*

Observation of Kondo lattice behavior in antiferromagnetic metal FeTe / KIM Younsik¹, KIM Min-Seok², KIM Minsoo¹, CHENG Cheng-Maw³, CHOI Joonyoung⁴, JUNG Saegyeol¹, LU Donghui⁵, KIM Jong Hyuk⁶, CHO Soohyun⁷, SONG Dongjoon¹, OH Dong Jin¹, YU Li⁸, CHOI Young Jai⁶, KIM Hyeong-Do⁹, HAN Jung Hoon¹⁰, JO Youn Jung⁴, SEO Jungpil², HUH Soon Sang¹, KIM Changyoung^{*1} (1Department of Physics and Astronomy, Seoul National University, ²Department of Emerging Materials Science, DGIST, ³National Synchrotron Radiation Research Center, National Synchrotron Radiation Research Center, TAIWAN, ⁴Department of Physics, Kyungpook National University, ⁵Stanford Synchrotron Radiation Light source, SLAC National Accelerator Laboratory, USA, ⁶Department of Physics, Yonsei University, ⁷Shanghai Institute of Microsystem and Information Technology, Chinese Academy of Sciences, CHINA, ⁸Beijing National Laboratory for Condensed Matter Physics and Institute of Physics, Chinese Academy of Sciences, CHINA, ⁹XFEL Beamline Division, Pohang Accelerator Laboratory, ¹⁰Department of Physics, Sungkyunkwan University)

G6.05*

Spectroscopic evidence for charge delocalization in quantum critical systems / JANG Harim¹, VUONG THI ANH Hong¹, WANG Honghong¹, PARK Tae Beom¹, PARK Tuson^{*1} (1Physics,

Sungkyunkwan University)

G7.04*

Conduction control in crack wall nanoelectronics / YANG Chan-Ho^{*1}, YEO Youngki¹, HWANG Soo-Yoon², YEO Jinwook³, KIM Jihun¹, JANG Jinhyuk², PARK Heung-Sik¹, KIM Yong-Jin¹, LE Duc Duy¹, SONG Kyung⁴, KIM Moonhong⁵, RYU Seunghwa³, CHOI Si-Young² (¹Physics, KAIST, ²Materials Science and Engineering, POSTECH, ³Mechanical Engineering, KAIST, ⁴Materials Analysis and Evaluation, KIMS, ⁵Mechanical Engineering, Korea Maritime and Ocean University)

G10.05*

Understanding the space charge layer of SnO₂ in hybrid perovskite solar cells / YOUN Sarah Su-Q¹, KIM JIHYUN¹, NA Junhong², JO William^{*1}, KIM Gee Yeong³ (¹Department of Physics, Ewha Womans University, ²Department of Electrical Engineering, Kyungnam University, ³Advanced Photovoltaics Research Center, KIST)

G10.08*

Spectral heat phonon blocking characteristics across oxidized semiconductor interfaces / LEE Jong Seok^{*1}, JEONG Do-Gyeom¹, TADANO Terumasa² (¹Department of Physics and Photon Science, GIST, ²Research Center for Magnetic and Spintronic Materials, National Institute for Materials Science (NIMS))

H3.04*

Multiplicity dependence of the Momentum Kick Model in the near-side ridge phenomenon / YOON Jin-Hee^{*1}, YOON Jeongseok¹ (¹Dept. of Physics, Inha University)

H4.01*

Orbital angular momentum dynamics: Role of orbital torsion / HAN Seungyun¹, LEE Hyun-Woo^{*1}, KIM Kyoung-Whan^{*2} (¹Department of Physics, POSTECH, ²Center for Spintronics, KIST)

H4.06*

Twist-angle controlled spin-valve operations with van der Waals magnetic tunnel junctions / MIN Keun-Hong^{1,2}, LEE Dukhyun¹, JUNG Suyong^{*1}, EOM JongHwa², KIM Jun-Sung³ (¹Interdisciplinary Materials Measurement Institute, KRISS, ²Physics, Sejong University, ³Physics, Pohang University of Science and Technology (POSTECH))

H5.05*

Magnetic force linear response theory for relativistic spin exchange interactions / KIEM Do Hoon¹, YOON Hongkee¹, HAN Myung Joon^{*1} (¹Department of Physics, KAIST)

H7.03*

Coexistence of itinerant and localized electrons in ferromagnetic Hund's metal 1T-CrTe₂ / LEE Dong Hyun David¹, KIM Taekjung¹, JEONG Min Yong¹, HAN Myung Joon*¹ (¹Department of Physics, KAIST)

H7.08*

Control of localization in the non-Hermitian system / JEON Junmo¹, LEE SungBin*¹ (¹physics, KAIST)

H10.01*

Analysis of avalanche multiplication via channel length modulation in ambipolar WSe₂ field-effect transistors / KIM Jaeyoung¹, CHO Kyungjune², KANG Keehoon³, LEE Takhee*¹ (¹Department of Physics and Astronomy, Seoul National University, ²Soft Hybrid Materials Research Center, KIST, ³Department of Materials Science and Engineering, Seoul National University)

H10.04*

Moiré phonons observed in interlayer interaction of monolayer-WSe₂/bilayer-MoS₂ heterostructures / OH Siwon¹, KIM Han-gyu², KIM Jungcheol¹, JEONG Huiseok², CHOI Hyoung Joon², CHEONG Hyeonsik*¹ (¹Department of Physics, Sogang University, ²Department of Physics, Yonsei University)

H11.02*

Direct observation to ultrafast atomic-scale process of the photo-induced phase transition with imaging and wide angle diffraction / SHIN Jaeyong^{1,2}, JUNG Chulho^{1,2}, IHM Yungok^{2,3}, HEO Seung-Phil^{1,2}, NAM Daewoong^{2,4}, KIM Sangsoo⁴, KIM Minseok⁴, EOM Intae^{2,4}, SHIM Ji Hoon^{2,3}, NOH Do Young^{5,6}, SONG Changyong*^{1,2} (¹POSTECH, ²Photon Science Center, POSTECH, ³Department of Chemistry, POSTECH, ⁴Pohang Accelerator Laboratory, Pohang Accelerator Laboratory, ⁵Department of Physics and Photon Science, GIST, ⁶IBS, IBS)

H11.08*

A Home-built Sub-Kelvin Scanning Tunneling Microscope in a fast ramping magnetic field / JUNG Yeonjin^{1,2}, FANG Lei², YOON Sangwon², PHARK Soo-hyon*², HEINRICH Andreas^{1,2}, KRYLOV Denis², JANG Wonjun² (¹Department of Physics, Ewha Womans University, ²Center for Quantum Nanoscience, IBS)

H12.05*

1x2 펌프 빔 배열 구조의 Q-스위칭된 Yb:YAG 레이저 공진기에서 발생하는 펄스들 간의 시간적 동기화 분석연구 / PARK SUNGTAE¹, JUNG Sang Gyu¹, JANG Myeong Jae¹, KIM Min Seok¹, KIM Hyun

Su*¹ (1photonic engineering, Chosun University)

H15.01*

Ideal van der Waals metal contact without Fermi-level pinning using a buffer layer / KWON Gi Hyeon², KIM Hyeon-Sik², NAM Gi-Hwan², PARK Hyunjun², CHO Mann Ho*^{2,3} (1Yonsei University, ²Department of Physics, Yonsei University, ³Department of System Semiconductor Engineering, Yonsei University)

H15.10*

Investigating Heterogeneous Defects in Single-Crystalline WS₂ via Tip-Enhanced Raman Spectroscopy / KIM Sung Hyuk^{1,2}, LEE Chanwoo², JEONG Byeong Geun², KIM Dong Hyeon^{1,2}, YUN Seok Joon^{2,3}, CHOI Wooseon², AN Sung-Jin², LEE Dongki⁴, KIM Young-Min^{2,3}, KIM Ki Kang^{2,3}, LEE Seung Mi⁵, JEONG Mun Seok*^{1,6} (1Department of Physics, Hanyang University, ²Department of Energy Science, Sungkyunkwan University, ³Center for Integrated Nanostructure Physics, Institute for Basic Science, ⁴Department of Nanotechnology and Advanced Materials Engineering, Sejong University, ⁵Surface Analysis Group, Korea Research Institute of Standards and Science, ⁶Department of Energy Engineering, Hanyang University)