

<2022 봄 학술논문발표회 우수발표상 수상명단(포스터발표부문)>

* 총 23건

P1-ap.108*

Remote surface charge-transfer doping in MoS₂ field-effect transistors / JANG Juntae¹, KIM Jae-Keun², CHO Kyungjune³, KANG Keehoon^{*4}, LEE Takhee^{*1} (¹Department of Physics and Astronomy, Seoul National University, ²Microstructure Physics, Max-Planck Institute, ³Soft Hybrid Materials Research Center, KIST, ⁴Department of Materials Science and Engineering, Seoul National University)

P1-ap.110*

Interlayer interactions in MoS₂ -ReS₂ heterostructures / CHOI YeonDong¹, OH Siwon¹, KIM Jungcheol¹, CHEONG Hyeonsik^{*1} (¹Department of Physics, Sogang University)

P1-ap.111*

Optical Spectroscopy of 2H-MoS₂/1T'-MoTe₂ Heterostructures / VONG Chenda¹, CHEON Yeryun¹, CHEONG Hyeonsik^{*1} (¹Department of Physics, Sogang University)

P1-bp.005*

Direct observation of target-search by CRISPR/Cas9 / LEE Jeongmin^{1,2}, GOO Jiyoung^{1,3}, KU Hyeyeong^{1,3}, WOO Jaesung², JEONG Cherlhyun^{*1} (¹Chemical and Biological Integrative Research Center, KIST, ²Department of Life Sciences, Korea University, ³KHU-KIST Department of Converging Science and Technology, Kyung Hee University)

P1-co.101*

Searching for Majorana bound state by Shapiro step measurement in FeTe_{0.55}Se_{0.45} Josephson junction / SHIN Seung-Hyun¹, LEE Gil-Ho^{*1} (¹Department of Physics, POSTECH)

P1-co.107*

Josephson Junctions in Twisted NbSe₂ van der Waals Heterostructures / HA Sangwook^{1,2}, CHOI Junwon¹, JANG Joonho^{*1,2} (¹Department of Physics, Seoul National University, ²Center for Correlated Electron Systems, Institute of Basics Science (IBS))

P1-co.302*

Controlling metal-insulator transition of VO₂(200)/R-Al₂O₃(012) thin film by interfacial strain / KANG Hyon Chol^{*1}, NOH Do Young², OH Ho Jun², HA Sung Soo², YUN Young Min², CHOI Suk June², KWON Oh Young², LEE Su Yong³ (¹Department of Materials Science and Engineering, Chosun

University, ²Department of Physics and Photon Science (DPH) & School of Materials Science and Engineering, GIST, ³9C beamline, Pohang Accelerator Laboratory)

P1-nu.002*

Yukawa 퍼텐셜에 대한 슈뢰딩거 방정식의 두 가지 수치해석적 풀이 / YOON Jin-Hee^{*1}, LEE Seungju¹, HONG Younghoo¹, CHO Soyeon¹ (¹Dept. of Physics, Inha University)

P1-op.012*

Study on thermal effect of end-pumped Tm:YLF crystal / EZZAT Mohamed¹, YOON Jin Woo², LEE Seong Ku², LEE Joong Wook^{*1}, NAM Chang Hee⁴ (¹Physics, Chonnam National University, ²Apri, GIST, ³Chonnam National University, ⁴Physics and photon science, GIST)

P1-se.101*

Unusual optical phonon behaviors in strained monolayer WS₂ / LEE Taegeon¹, CHOI Soo Ho², KIM Soo Min³, RHO Heesuk^{*1} (¹Department of Physics, Jeonbuk National University, ²Center for Integrated Nanostructure Physics, Institute for Basic Science, ³Department of Chemistry, Sookmyung Women's University)

P1-se.116*

A study on Te and MoS₂ for CMOS inverter fabrication / JEONG Hyunjun¹, SUH Dongseok^{*1}, OH Gyunghoon¹, SHIM Jiyeon¹, BAE Sangyeol¹ (¹Department of Energy Science, Sungkyunkwan University)

P1-st.012*

Non-Gaussian to Gaussian crossover and ergodicity recovery of the random walk in spatially correlated annealed diffusivity fields / PARK Seongyu¹, DURANG Xavier¹, METZLER Ralf², JEON Jae-Hyung^{*1,3} (¹Department of Physics, POSTECH, ²Institute of Physics & Astronomy, University of Potsdam, ³Department of Physics, Asia-Pacific Center for Theoretical Physics(APCTP))

P2-ap.104*

Effect of Hydrothermal Synthesis Conditions on The Structural and Electrical Characterization of Hydrothermally Deposited Bi_{0.5}(Na_{1-x}K_x)_{0.5}TiO₃ Films / KIM Eun-Young¹, WI Sang Won², LEE YUN SANG², BU Sang-Don^{*1} (¹Department of Physics, Jeonbuk National University, ²Department of Physics and Integrative Institute of Basic Sciences, Soongsil University)

P2-ap.112*

Artificial Neuron Based on Nanorod Structured Silicon Oxide Memristor for Probabilistic Inference Application / CHOI Sanghyeon¹, KIM Gwang Su^{1,2}, YANG Jehyeon¹, CHO Haein¹, KANG

Chong-Yun^{1,2}, WANG Gunuk^{*1,3} (¹KU-KIST Graduate School of Converging Science and Technology, Korea University, ²Center for Electronic Materials, KIST, ³Department of Integrative Energy Engineering, Korea University)

P2-ap.211*

Controlling evaporator temperature to improve carrier properties of crystalline organic semiconductor / LIM EunJu^{*1,2}, CHO Seongjib¹ (¹Convergent Systems Engineering, Dankook University, ²Science Education, Dankook University)

P2-at.005*

Towards the Creation of Degenerate Fermionic/Bosonic NaK Molecular Gases with Long-range Dipolar Interactions / KIM Yoonsoo¹, LEE Sungjun¹, CHANG JaeRyeong¹, LIM Younghoon¹, PARK Jee Woo^{*1} (¹Department of Physics, POSTECH)

P2-co.102*

Study of electrical property changes of aligned PbTiO₃ nanotube synthesized by hydrothermal method / KIM Bo Hyeon¹, KIM Eun-Young¹, CHO Sam Yeon¹, BU Sang Don^{*1} (¹Department of Physics, Jeonbuk National University)

P2-co.203*

Characteristics of Interlayer Excitons in WS₂/PbI₂ Heterostructures / JOO Jinsoo^{*1}, KIM Jun Young¹, KIM Taek Joon¹, KIM Jeongyong², LEE Eunji² (¹Department of Physics, Korea University, ²Department of Energy Science, Sungkyunkwan University)

P2-pa.002*

Lowering the energy threshold to 0.5 keV in NaI(Tl) scintillation detectors using SiPMs / KIM Won Kyung^{*1,2} (¹Department of Basic Science, University of Science and Technology, ²Center for Underground Physics, IBS)

P2-pa.014*

Implementation of magnetic monopole physics in GEANT4 and simulation results / LEE Junghyun^{*1}, HAUPTMAN John², HUH Changgi¹, KIM Bobae¹, LEE SehWook¹, RYU Minsang³, EO Yun⁴, YOO Hwidong⁴ (¹Department of physics, Kyungpook National University, ²Department of physics, Iowa State University, ³Center for High Energy Physics, Kyungpook National University, ⁴Department of physics, Yonsei University)

P2-pa.016*

Neutrino event reconstruction in Korean Neutrino Observatory (KNO) detector / YU

Seonghyeon^{*1}, YU Intae¹, KWON Eunhyang¹, SEO Jiwoong¹, KIM Kihoon¹, KIM Hyunsoo², JANG Jeeseung³, LEE Youngmin⁴, SHIN Bokkyun⁵, SEO Hyunkwan⁶, YOO Jonghee⁷, YANG Byeongsu⁷, JUNG Seunghyun⁷ (¹Department of Physics, Sungkyunkwan University, ²Department of Physics and Astronomy, Sejong University, ³Department of Physics and Photon Science, GIST, ⁴Department of Physics, KAIST, ⁵Department of Physics, UNIST, ⁶Department of Radiation Oncology, Gachon University Gil Medical Center, ⁷Department of Physics and Astronomy, Seoul National University)

P2-pl.204*

Anomalous High Electron-neutral Collision Frequency Observed from the THz-based Plasma Diagnosis / KANG Keekon¹, ROH Kyungmin¹, LEE Hyojeong¹, SUK Hyyong^{*1} (¹Dept. of Physics and Photon Science, GIST)

P2-pl.209*

Effect of changing structure of diverter and PFC material in KSTAR / KIM Seungyun¹, HUR Min Sup^{*1} (¹Physics, UNIST)