

<2018 봄 학술논문발표회 우수발표상 수상명단(구두발표부문)>

\* 총 64건

**AA6.03\***

**Detection of Electron Arrival Time by a Dynamical Barrier** / 박완기<sup>\*1</sup>, 류성근<sup>1</sup>, 심흥선<sup>1</sup>

(<sup>1</sup>한국과학기술원 물리학과)

**A1.06\***

**In-medium properties of SU(3) baryons** / 홍기훈<sup>1</sup>, 김현철<sup>\*1</sup>, YAKHSHIEV Ulugbek<sup>\*1</sup> (<sup>1</sup>인하대학교

물리학과)

**A4.04\***

**Two-terminal organolead halide perovskite (OHP) synaptic device for neuromorphic device applications** / HAM Seong-Gil<sup>1</sup>, CHOI Sanghyeon<sup>1</sup>, JHO Haein<sup>1</sup>, 왕건욱<sup>\*1</sup> (<sup>1</sup>KU-KIST Graduate School of Converging Science & Technology, Korea University)

**A5.04\***

**Sub-10 nm water-filled terahertz nano-slots** / 김대식<sup>\*1</sup>, JEONG Jeeyoon<sup>1</sup>, LEE Kang Sup<sup>2</sup>, YUN Hyeong Seok<sup>1</sup>, KIM Zee Whan<sup>2</sup> (<sup>1</sup>Department of Physics and Astronomy, Seoul National University, <sup>2</sup>Department of Chemistry, Seoul National University)

**A6.09\***

**Charge Kondo effects in a quadruple quantum dot** / 최주호<sup>\*1</sup>, 유광수<sup>1</sup>, 심흥선<sup>1</sup>

(<sup>1</sup>한국과학기술원 물리학과)

**A11.06\***

**기니피그 동물실험을 통한 초음파가 청력에 미치는 영향 연구** / 성인호<sup>1</sup>, 안강현<sup>\*1</sup> (<sup>1</sup>충남대학교 물리학과)

**A13.07\***

**Search for high-mass resonances in dilepton final state using 13 TeV data collected by the CMS detector in 2016 and first look on 2017 performance** / 오민석<sup>\*1</sup>, 유휘동<sup>\*1</sup> (<sup>1</sup>서울대학교 물리학과)

**A14.02\***

**6d strings and exceptional instantons** / LEE Ki-Hong<sup>\*3</sup>, KIM Seok<sup>\*3</sup>, KIM Hee-Cheol<sup>\*1</sup>, KIM Joonho<sup>\*2</sup>, PARK Jaemo<sup>\*1</sup> (<sup>1</sup>Department of Physics, Postech, <sup>2</sup>School of Physics, Korea Institute for

Advanced Study, <sup>3</sup>Department of Physics and Astronomy & Center for Theoretical Physics, Seoul National University)

**B1.04\***

**Electromagnetic properties of the lowest-lying singly heavy baryons in a mean-field approach**

/ 김준영<sup>1</sup>, 김현철<sup>\*1</sup> (<sup>1</sup>인하대학교 물리학과)

**B3.06\***

**Carrier injection enhancement via directly deposited thiol-molecules on MoS<sub>2</sub> field-effect transistors**

/ 조경준<sup>1</sup>, 박진수<sup>1</sup>, 김재근<sup>1</sup>, 정승준<sup>2</sup>, 이택희<sup>\*1</sup> (<sup>1</sup>서울대학교 물리학과, <sup>2</sup>KIST)

**B4.03\***

**Impact of self-assembled monolayer on carrier mechanism of organic 6,13-**

**Bis(triisopropylsilylethynyl) pentacene device** / 복문정<sup>3</sup>, 정준호<sup>\*2</sup>, 임은주<sup>\*1</sup> (<sup>1</sup>단국대학교, 과학교육과, <sup>2</sup>한국기계연구원, 나노공정, <sup>3</sup>단국대학교, 과학교육과/ 한국기계연구원, 나노공정)

**B7.05\***

**First-principle study on novel group IV-V van der Waals materials** / 이승준<sup>1</sup>, 권영균<sup>\*1</sup>

(<sup>1</sup>경희대학교 물리학과)

**B7.07\***

**On the Origin of High Hydrogen Evolution Catalytic Activity and Stability in Cobalt-Embedded C<sub>2</sub>N**

/ 김용훈<sup>\*1</sup>, 노민중<sup>1</sup>, 김효석<sup>1</sup> (<sup>1</sup>한국과학기술원 EEWS 대학원)

**B7.08\***

**Projection orbital dependence of DFT+DMFT** / 최형준<sup>\*1</sup>, 한만천<sup>1</sup>, 오형주<sup>1</sup>, 이충기<sup>1</sup>

(<sup>1</sup>Department of Physics, IPAP, and Center for Computational Studies of Advanced Electronic Material Properties, Yonsei University)

**B11.04\***

**Axonal mRNA dynamics in live hippocampal neurons** / 이병훈<sup>1</sup>, 방석영<sup>3</sup>, 이승렬<sup>3</sup>, 전누리<sup>3</sup>,

박혜윤<sup>\*1,2</sup> (<sup>1</sup>Department of Physics and Astronomy, Seoul National University, Seoul, 08826, Korea,

<sup>2</sup>Institute of Applied Physics, Seoul National University, <sup>3</sup>Division of WCU (World Class University)

Multiscale Mechanical Design School of Mechanical and Aerospace Engineering Institute of Advanced Machinery and Design Seoul National University)

**B13.04\***

**Search for high mass resonances decaying into four lepton final state at 13 TeV with the CMS detector**

/ 이준빈<sup>\*1</sup>, 유휘동<sup>1</sup>, 남경욱<sup>1</sup> (<sup>1</sup>서울대학교 물리학과)

**B13.05\***

**Study of the differential and double differential Drell-Yan cross sections with 2016 data at 13 TeV / 배달민<sup>\*1</sup> (<sup>1</sup> 서울대학교 자연과학대학 물리천문학부)**

**B14.03\***

**Non-thermal WIMP baryogenesis / 최기영<sup>1</sup>, 강신규<sup>2</sup>, 김종국<sup>\*1</sup> (<sup>1</sup> 성균관대학교, 물리학과, <sup>2</sup> 서울과학기술대학교, 교양학부)**

**C1.01\***

**Hodoscope Prototype Tests for J-PARC Experiments with HypTPC / 정우승<sup>1, 2</sup>, 안정근<sup>\*1, 2</sup> (<sup>1</sup> 고려대학교, 물리학과, <sup>2</sup>for the J-PARC E42/45 collaboration)**

**C3.04\***

**Polarized Raman Study of Group IV Monochalcogenides: SnS and SnSe / 정현식<sup>\*1</sup>, SRIV Tharith<sup>1</sup> (<sup>1</sup> 서강대학교 물리학과)**

**C3.09\***

**“Peel and Stack” Technique for Large-area Graphene with Pristine Interfaces / 양성준<sup>1</sup>, 최신영<sup>1</sup>, 이승민<sup>1</sup>, 김철주<sup>\*1</sup> (<sup>1</sup> 포항공과대학교 화학공학과)**

**C7.02\***

**Analytic continuation via “domain-knowledge free” machine learning / 윤흥기<sup>1</sup>, 심재훈<sup>1</sup>, 한명준<sup>\*1</sup> (<sup>1</sup> 한국과학기술원 물리학과)**

**C7.06\***

**Spin state transition in FeO<sub>2</sub> under pressure / 심지훈<sup>\*1, 3, 4</sup>, 장보규<sup>1</sup>, 김덕영<sup>2</sup> (<sup>1</sup> 포항공과대학교 화학과, <sup>2</sup>Center for High Pressure Science and Technology Advanced Research (HPSTAR), <sup>3</sup> 포항공과대학교 물리학과, <sup>4</sup> 포항공과대학교 첨단원자력공학부)**

**C8.04\***

**Characterizations of MoS<sub>2</sub>/Si Photodiodes Fabricated by High-Working Pressure Plasma-Enhanced Chemical Vapor Deposition / KIM Dong-Wook<sup>\*1</sup>, KWON Soyeong<sup>1</sup>, SONG Jungeun<sup>1</sup>, CHOI Dongrye<sup>1</sup>, KIM Yonghun<sup>2</sup>, CHO Byungjin<sup>3</sup> (<sup>1</sup>Department of Physics, Ewha Womans University, <sup>2</sup>Korea Institute of Materials Science, <sup>3</sup>Department of Advanced Materials Engineering, Chungbuk National University)**

**C8.06\***

**Size-dependent energy spacing and lifetime in colloidal CdSe quantum dots** / KIM Sung Hun<sup>1</sup>,  
MAN Minh Tan<sup>1</sup>, LEE Hong Seok<sup>\*1</sup> (<sup>1</sup>Department of Physics, Chonbuk National University)

**C10.02\***

**Origin of the controversy of golden time scaling in disease and failure propagation models on random networks** / 강병남<sup>\*1</sup>, 최원준<sup>1</sup>, 이덕재<sup>1</sup> (<sup>1</sup>서울대학교 물리학과)

**C13.02\***

**Jet Discrimination with Weakly Supervised Learning** / 박인규<sup>\*1</sup>, 이상훈<sup>\*1</sup>, WATSON Ian James<sup>\*1</sup>,  
이윤재<sup>\*1</sup> (<sup>1</sup>서울시립대학교 물리학과)

**D1.03\***

**Performance test of a position-sensitive ionization chamber for KoBRA recoil spectrometer at RAON** / KWAG Minsik<sup>\*1</sup>, CHAE Kyungyuk<sup>1</sup>, AKERS Charles<sup>2</sup>, CHA Soomi<sup>1</sup>, IRIBE Kotaro<sup>3</sup>, KIM Duhyun<sup>1</sup>, KIM Minju<sup>1</sup>, LEE Kwangbok<sup>2</sup>, OKA Syohei<sup>3</sup>, TERANISHI Takashi<sup>3</sup>, UENO Yuki<sup>3</sup>, YOSHIDA Hiroya<sup>3</sup> (<sup>1</sup>Department of Physics, Sungkyunkwan University, <sup>2</sup>Rare Isotope Science Project, Institute for Basic Science, <sup>3</sup>Department of Physics, Kyushu University)

**D7.02\***

**Ab initio Study of Uniaxial Stress Applied GeTe, a Phase Transition Material for Non-thermal Phase Transition Mechanism** / 권영균<sup>\*1</sup>, 박한진<sup>1</sup> (<sup>1</sup>경희대학교 물리학과)

**D7.07\*** [12:12 - 12:24]

**How & why does the time-evolving Kohn-Sham wavefunctions observe the Berry curvature of a solid?** / 박노정<sup>\*1</sup>, 신동빈<sup>1</sup> (<sup>1</sup>울산과학기술원 자연과학부)

**D12.07\***

**Intensity dependent XFEL transmission in solid-density plasmas** / CHO Min Sang<sup>1,2</sup>, CHUNG Hyun-Kyung<sup>1</sup>, 조병익<sup>\*1,2</sup> (<sup>1</sup>Gwangju Institute of Science and Technology, <sup>2</sup>Center for Relativistic Laser Science, Institute of Basic Science)

**D13.02\***

**Present Status of KOTO** / 김준이<sup>\*1</sup>, 김은주<sup>1</sup>, 안정근<sup>2</sup>, 임계엽<sup>3</sup> (<sup>1</sup>전북대학교 물리교육학과, <sup>2</sup>고려대학교 물리학과, <sup>3</sup>KEK)

**E5.04\***

**Shape ellipticity dependence of exciton levels and optical nonlinearities in CdSe and CdTe**

**nanocrystal quantum dots** / 김광석<sup>\*1</sup>, 양하늬<sup>\*1</sup> (¹부산대학교  
물리교육과/광메카트로닉스공학과/인지메카트로닉스공학과 대학원)

**E6.09\***

**Design of Co<sub>2</sub>Y-type hexaferrite single crystals by adjusting the spin anisotropy and phase competition to enhance the magnetoelectric coupling in the wide temperature range** / 김기훈<sup>\*1</sup>, 박창배<sup>1</sup> (¹서울대학교 물리천문학부)

**E12.04\***

**이온층이 강화된 이중층 타겟을 이용한 레이저-플라즈마 가속 이온빔의 에너지 스펙트럼 측정 및 특성분석** / 김하나<sup>1,2</sup>, 이기태<sup>\*2</sup>, KUMAR Manoj<sup>2</sup>, 류우제<sup>2,3</sup>, 김경남<sup>4</sup>, 박성희<sup>5</sup>, 전민용<sup>1</sup>, 정영욱<sup>2</sup>, 최일우<sup>6,7</sup>, 이성근<sup>6,8</sup>, 강승우<sup>6,7</sup>, 윤현호<sup>6</sup>, 전천하<sup>6</sup>, 장용하<sup>6</sup>, 성재희<sup>6,7</sup>, 이성구<sup>6,7</sup>, 남창희<sup>6,8</sup>  
(¹충남대학교 물리학과, ²한국원자력연구원 초고속방사선연구실, ³한남대학교 물리학과, ⁴한국전기연구원 전자기파응용센터, ⁵고려대학교 가속기학과, ⁶기초과학연구원 초강력레이저과학연구단, ⁷광주과학기술원 고등광기술연구소, ⁸광주과학기술원 물리광학과)

**F4.03\***

**Inertial focusing in triangular channel under various parameters** / 김정아<sup>1</sup>, 이재령<sup>3</sup>, 전은채<sup>3</sup>, 이원희<sup>\*1,2</sup> (¹한국과학기술원 나노과학기술대학원, ²한국과학기술원 물리학과, ³한국기계연구원 나노융합기계연구본부)

**F6.05\***

**Discovery of new magnetic orders on pyrochlore spinels** / 이성빈<sup>\*1</sup>, 심기백<sup>1</sup> (¹한국과학기술원 물리학과)

**F10.07\***

**Parallel random target searches in a confined space** / 김용운<sup>\*1</sup>, 노승한<sup>1</sup> (¹한국과학기술원 나노과학기술대학원)

**F10.08\***

**Percolation with exclaves cluster on networks** / 고광일<sup>\*1</sup>, 곽상환<sup>1</sup> (¹고려대학교 물리학과)

**F11.04\***

**Coherent control of entangled three Rydberg atoms** / 안재욱<sup>\*1</sup>, 조한래<sup>1</sup> (¹한국과학기술원 물리학과)

**F12.05\***

**Bremsstrahlung Photons Emission from ECR Ion Source** / 안정근<sup>\*1</sup>, KUMWENDA Mwingereza

John<sup>\*1</sup>, LEE Jungwoon<sup>\*1</sup>, PARK Jinyong<sup>\*2</sup>, KIM Seongjun<sup>\*2</sup> (<sup>1</sup>Department of Physics, Korea university, <sup>2</sup>Korea Basic Science Institute)

### G2.03\*

#### **Effects of Polar Solvent Treatment on the Optical Properties of Organometallic Halide**

**Perovskite** / 이흥석<sup>\*2</sup>, 이창열<sup>\*1</sup>, 진상현<sup>1,2</sup>, 최진우<sup>1</sup>, 우희철<sup>1</sup>, 김종현<sup>3</sup> (<sup>1</sup>광주과학기술원, <sup>2</sup>고등광기술연구소, <sup>3</sup>전북대학교, 물리학과, <sup>3</sup>아주대학교, 분자과학기술학과)

### G2.07\*

#### **The investigation of interfacial Properties in ALD\_high-k dielectric on oxidized black**

**phosphorus** / 조만호<sup>\*1</sup>, 김대경<sup>1</sup>, 채지민<sup>1</sup>, 홍석보<sup>1</sup>, 박한범<sup>1</sup> (<sup>1</sup>Department of Physics, Yonsei University)

### G3.03\*

#### **Wet-transfer of colloidal quantum dot thin films and its application**

/ 전현수<sup>\*1</sup>, 한창현<sup>1</sup>, 정현호<sup>1</sup>, 이명재<sup>1</sup>, 이종호<sup>1</sup>, 박연상<sup>2</sup>, 조경상<sup>2</sup> (<sup>1</sup>서울대학교 물리천문학부, <sup>2</sup>삼성종합기술원)

### G3.07\*

#### **Electrically driven, Phosphor-Free Warm White Light-Emitting Diodes based on InGaN/GaN**

**Dodecagonal Ring Structure** / 십영출<sup>1</sup>, 최성한<sup>1</sup>, 여환섭<sup>1</sup>, 우기영<sup>1</sup>, 이상원<sup>1</sup>, 송현규<sup>1</sup>, 조용훈<sup>\*1</sup> (<sup>1</sup>한국과학기술원(KAIST), 물리학과)

### G4.05\*

#### **Study of Quantum Tunneling Charge Transfers between Molecules and Semiconductors for**

**Surface enhanced Raman Spectroscopy** / 윤석현<sup>\*1</sup>, 김자영<sup>1</sup>, 김혜민<sup>1</sup>, 김남중<sup>2</sup>, 박준범<sup>2</sup>, 이규철<sup>2</sup> (<sup>1</sup>이화여자대학교 물리학과, <sup>2</sup>서울대학교 물리학과)

### G4.07\*

#### **Control of unidirectional anisotropy in exchange biased AFM/FM bilayers by piezoelectric**

**strains** / 김현중<sup>1</sup>, 홍정일<sup>\*1,2,3</sup> (<sup>1</sup>Department of Emerging Materials Science, DGIST, <sup>2</sup>Global Center for Bio Convergence Spin Systems, DGIST, <sup>3</sup>Research Center for Emerging Materials, DGIST)

### G6.04

#### **Quasi-particle band structure of bulk and few-layer PdSe<sub>2</sub> with GW approximation**

/ 김한규<sup>1</sup>, 최형준<sup>\*1</sup> (<sup>1</sup>Department of Physics and Center for Computational Studies of Advanced Electronic Material Properties, Yonsei University)

### G6.06\*

#### **First-principles study of the structural and electronic properties of bulk and few-layer**

**tellurium** / 조준형<sup>\*1</sup>, 이세호<sup>1</sup>, ZHU Zhili<sup>2</sup>, CAI Xiaolin<sup>2</sup>, JIA Yu<sup>2</sup> (<sup>1</sup>Department of Physics, Hanyang University, <sup>2</sup>International Laboratory for Quantum Functional Materials of Henan, Zhengzhou University)

**G7.05\***

**Possible interfacial magnetism in Nd<sub>1-x</sub>Sr<sub>x</sub>MnO<sub>3</sub> multilayers** / 진형진<sup>\*1</sup>, 류상균<sup>1</sup>, 김혜경<sup>2</sup>, 조진형<sup>3</sup> (<sup>1</sup>Department of Physics, Pusan National University, <sup>2</sup>Core Research Facilities, Pusan National University, <sup>3</sup>Department of Physics Education, Pusan National University)

**G7.08\***

**Infrared Spectroscopic Investigation on the Density Wave-Like Behavior in (Sr<sub>1-x</sub>La<sub>x</sub>)<sub>3</sub>Ir<sub>2</sub>O<sub>7</sub>** / 문순재<sup>\*1</sup>, AHN Gihyeon<sup>1</sup>, SEO J. H.<sup>1</sup>, NOH S. J.<sup>1</sup>, CHEN X.<sup>2,3</sup>, WILSON S. D.<sup>2</sup> (<sup>1</sup>Department of Physics, Hanyang University, <sup>2</sup>Materials Department, University of California, Santa Barbara, USA, <sup>3</sup>Department of Physics, Boston College, USA)

**G8.07\***

**Investigation of structural symmetry in strained SrRuO<sub>3</sub> thin films by using optical second harmonic generation technique** / 노창재<sup>1</sup>, 김진권<sup>2,3</sup>, 신영재<sup>2,3</sup>, 노태원<sup>2,3</sup>, 이종석<sup>\*1</sup>  
(<sup>1</sup>광주과학기술원 물리광학과, <sup>2</sup>기초과학연구원 강상관계 물질 연구단, <sup>3</sup>서울대학교 물리학과)

**G11.04\***

**원자분수시계의 원자 궤도 분석방법** / 박상언<sup>\*1,2</sup>, 이상민<sup>1,2</sup>, 홍현규<sup>1</sup>, 허명선<sup>1</sup>, 권택용<sup>1</sup>, 이상범<sup>1</sup>  
(<sup>1</sup>한국표준과학연구원 광기술표준부, <sup>2</sup>과학기술연합대학원)

**G13.04\***

**Theta13 measurement of using neutron captures on hydrogen at RENO** / 주경광<sup>\*1</sup>, 신창동<sup>1</sup>, 곽필준<sup>1</sup>, 김재률<sup>1</sup>, 문동호<sup>1</sup>, 박경환<sup>1</sup>, 박영서<sup>1</sup>, 임인택<sup>1</sup>, 김우영<sup>2</sup>, 체바토료프세르게이<sup>2</sup>, 장한일<sup>3</sup>, 권은향<sup>4</sup>, 김상용<sup>4</sup>, 김수봉<sup>4</sup>, 서선희<sup>4</sup>, 서현관<sup>4</sup>, 양정열<sup>4</sup>, 이동하<sup>4</sup>, 이용창<sup>4</sup>, 이현기<sup>4</sup>, 김종건<sup>5</sup>, 김종현<sup>5</sup>, 서지웅<sup>5</sup>, 유인태<sup>5</sup>, 전상훈<sup>5</sup>, 정다은<sup>5</sup>, ROTT Carsten<sup>5</sup>, 장지승<sup>6</sup>, 유종희<sup>7</sup>, 주기원<sup>7</sup>  
(<sup>1</sup>전남대학교, <sup>2</sup>경북대학교, <sup>3</sup>동신대학교, <sup>4</sup>서영대학교, <sup>5</sup>서울대학교, <sup>6</sup>성균관대학교, <sup>7</sup>GIST, <sup>8</sup>KAIST)

**G14.08\***

**ISS-CREAM 실험에서 SCD의 데이터 처리 방법, 검출기 상태 및 전반적인 상황 보고** / 박일흥<sup>\*1</sup>, 최광호<sup>1</sup>, 김상우<sup>1</sup>, TAKEISHI Ryuji<sup>1</sup>, 정수민<sup>1</sup>, 이직<sup>1</sup> (<sup>1</sup>성균관대학교 물리학과)

**H1.05\***

**The neutrino self-interaction and MSW effects in supernova nucleosynthesis** / 천명기<sup>\*1</sup>, KO Heamin<sup>1</sup>, KUSAKABE Motohoiko<sup>2</sup>, SASAKI Hirokazu<sup>3</sup>, KAJINO Toshitaka<sup>2,3</sup> (<sup>1</sup>Department of Physics, Soongsil University, <sup>2</sup>International Research Center for Big-Bang Cosmology and Element Genesis,

and School of Physics and Nuclear Energy Engineering, Beihang University, <sup>3</sup>Department of Astronomy Graduate School of Science The University of Tokyo)

#### H2.06\*

**ALD 법으로 성장된  $ZnO_xS_{1-x}$  박막의 광학적 특성 분석** / 류상완<sup>1</sup>, 유소영<sup>1</sup>, HASSAN Mostafa Afifi<sup>1</sup> (<sup>1</sup>전남대학교 물리학과)

#### H3.01\*

**Electron-beam-induced nanoscale patterning of molecular aggregates for nanophotonic applications** / 전영철<sup>1</sup>, 서인철<sup>1</sup>, 우병훈<sup>1</sup>, 안수찬<sup>1</sup>, 이은송이<sup>1</sup> (<sup>1</sup>울산과학기술원 신소재공학부)

#### H4.03\*

**Electrical properties of single-crystalline  $WTe_2$  nanobelts grown from eutectic alloy reservoir** / 권순용<sup>1</sup>, 송승욱<sup>1</sup>, 곽진성<sup>1</sup>, 이종화<sup>1</sup>, 이재웅<sup>2</sup>, 김세양<sup>1</sup>, 김정화<sup>1</sup>, 심여선<sup>1</sup>, 조용수<sup>1</sup>, 정현식<sup>2</sup>, 이종훈<sup>1</sup> (<sup>1</sup>울산과학기술원, 신소재공학과, <sup>2</sup>서강대학교, 물리학과)

#### H5.03\*

**단축 복굴절 물질에서의 편광변화에 대한 기하학적 위상 연구** / 최재우<sup>1</sup>, 최민호<sup>1</sup> (<sup>1</sup>경희대학교 정보디스플레이학과)

#### H6.04\*

**Blue Color Luminescence of Surface Functionalized Silicon Quantum Dots** / 주범수<sup>1</sup>, 정남식<sup>1</sup>, 한문섭<sup>1</sup> (<sup>1</sup>서울시립대학교 물리학과)

#### H8.03\*

**In situ measurement of surface work function using AP-XPS** / 유영석<sup>1</sup>, 김동우<sup>1</sup>, 임호준<sup>1</sup>, 정문정<sup>1</sup>, KIM Daehyun<sup>2</sup>, KOHEI Ueda<sup>2</sup>, SATORU Hiwasa<sup>2</sup>, MASE Kzuhiko<sup>3</sup>, BOURNEL Fabrice<sup>4</sup>, GALLET Jean-Jacques<sup>4</sup>, KONDOH Hiroshi<sup>2</sup>, NOH Do Young<sup>1</sup>, 문봉진<sup>1</sup> (<sup>1</sup>Department of Physics and Photon Science, GIST, <sup>2</sup>Department of Chemistry, Keio University, <sup>3</sup>Institute of Materials Structure Science, High Energy Accelerator Research Organization, <sup>4</sup>Laboratoire de Chimie Physique-Matière et Rayonnement, Sorbonne Universités - Université Pierre et Marie Curie Paris)

#### H9.03\*

**Model study of Josephson plasma soliton propagation in High  $T_c$  superconductor** / 김동훈<sup>1</sup>, 이재동<sup>1</sup> (<sup>1</sup>대구경북과학기술원 신물질과학전공)

#### H11.02\*

**Density matrix reconstruction through Hamiltonian learning of entangled N-particle systems** / 안재욱<sup>1</sup>, 이우준<sup>1</sup>, 김효섭<sup>1</sup> (<sup>1</sup>한국과학기술원 물리학과)