

宣讀論文議程

1 月 23 日(星期二)

時間	議程		主持人	地點
10:00~13:00	報到及午餐	(地點: 管二館)		
13:00~14:00	開幕典禮	1.理事長及貴賓致詞 2.會務工作報告 3.頒獎(特殊貢獻獎及會士證書, 雙月刊總編感謝狀等)	李定國	管二館 017
14:00~15:00	大會演講			熊怡
	PL1 演講人:	Peter Jenni (CERN, Switzerland)	管二館 017	
	講題:	The ATLAS and CMS Experiments Getting Ready for LHC - Exploring the High-Energy Frontier of Particle Physics		
15:00~16:00	PL2 演講人:	Daniel J. Muller (University of Technology, Dresden, Germany)	黎璧賢	管二館 017
	講題:	Nanobiotechnological drug screening: Understanding and directing mechanisms that drive cellular machines		
16:30~19:00	Session aA1: 奈米科學	2007 年 1 月 23 日 (星期二)	謝文峰	綜教館 122
16:30~17:00	aA1-01 (invited)	陳啓東	Cyclotron Localization in a sub-10nm Silicon Quantum Dot Single Electron Transistor	
17:00~17:30	aA1-02 (invited)	劉全璞	Strain-induced ZnO nanoflowers and microboxes on Si with chemical vapor deposition	
17:30~17:45	aA1-03	賴怡仁	Effect of ZnSe partial capping on the ripening dynamics of CdSe quantum dots	
17:45~18:00	aA1-04	劉子銘	Far-infrared absorption by confined acoustic waves in Type-II nanocrystal quantum dots	
18:00~18:15	aA1-05	徐瑞鴻	Quantum emitter behavior of quantum dots	
18:15~18:30	aA1-06	李良箴	Excess Lorentzian Noise of GaN Nanowires	
18:30~18:45	aA1-07	邱劭斌	Intrinsic Electrical-Transport Studies of Single ZnO Nanowires	
18:45~19:00	aA1-08	呂建嶠	Ultrahigh Photo-responsivity and Persistent Photoconductivity of Bridging GaN Nanowires Device	
16:30~19:00	Session aA2: 奈米科學	2007 年 1 月 23 日(星期二)	張經霖	綜教館 114
16:30~17:00	aA2-01 (invited)	李文献	Magnetic Ag nanoparticles	
17:00~17:30	aA2-02 (invited)	林昭吟	Spin-injection and Resistance Switching in Nd _{0.7} Ca _{0.3} MnO ₃ /YBa ₂ Cu ₃ O ₇ Heterostructure	
17:30~17:45	aA2-03	戴明鳳	Comparison of Micrometer and Nanometer Sized Magnetic Particles for Cell Labeling	
17:45~18:00	aA2-04	李祈延	Interparticle interactions induced superconductivity in Sn nanoparticles	
18:00~18:15	aA2-05	王進威	Ferromagnetic Spin Polarized Superconductivity in Sn Nanoparticles	
18:15~18:30	aA2-06	董崇禮	Electronic structure of CePt _{2+x} studied by x-ray absorption and x-ray emission spectroscopy	
18:30~18:45	aA2-07	潘嗣文	Superconductivity in Zero-dimensional Indium Nanoparticles	
18:45~19:00	aA2-08	吳民耀	Controlling local confinement in partial-embedded metallic nanoparticles	
16:30~19:00	Session aB0: 半導體	2007 年 1 月 23 日(星期二)	羅奕凱	管二館 018

16:30~17:00	aB0-01 (invited)	陳永芳	Novel optical properties of semiconductor nanocomposites
17:00~17:30	aB0-02 (invited)	鄭舜仁	Electrical and magnetic properties of diluted magnetic semiconductor quantum dots
17:30~17:45	aB0-03	謝文興	Low-temperature microwave properties of magneto-plasma excitations in quantum wires
17:45~18:00	aB0-04	林資榕	Composition variation effects on the mechanical and optoelectronic properties of self-assembled $\text{In}_x\text{Ga}_{1-x}\text{As}/\text{GaAs}$ quantum dots
18:00~18:15	aB0-05	溫昱傑	Efficient generation of coherent acoustic phonons in (111) $\text{InGaAs}/\text{GaAs}$ MQWs through piezoelectric effects
18:15~18:30	aB0-06	江振豪	Effect of antimony incorporation on the size, density and electrical properties of InAsSb quantum dots
18:30~18:45	aB0-07	劉思謙	High- κ HfO_2 films grown on GaAs (001) substrate with MBE: a TEM and EELS study
18:45~19:00	aB0-08	楊智凱	Structural and compositional study of cubic HfO_2 doped with Y_2O_3
16:30~19:00	Session aC0 : 磁學		2007 年 1 月 23 日(星期二) 許仁華 管二館 005
16:30~17:00	aC0-01 (invited)	郭瑞年	New Magnetic Materials and Heterostructures for Spintronics
17:00~17:30	aC0-02 (invited)	陳恭	Spin Tunneling and Magnetic Memory
17:30~17:45	aC0-03	陳延松	Size dependence of magnetoresistance effect in patterned permalloy film with nanobridge shaped structure
17:45~18:00	aC0-04	吳國銘	Transient Thermal Annealing Effect on Patterned CoFeB -based Magnetic Tunneling Junction
18:00~18:15	aC0-05	簡維志	Characterization of Nano-Oxide Layer in Pseudo Spin Valve by Complex Magneto Impedance Spectroscopy
18:15~18:30	aC0-06	慮志權	Inverse magneto impedance in a magneto tunneling junction
18:30~18:45	aC0-07	陳哲勤	Fabrication and characterization of micronstructured magnetic tunnel junction rings
18:45~19:00	aC0-08	黃金花	Room-temperature ferromagnetism in self-assembled $(\text{In}, \text{Mn})\text{As}$ quantum dots
16:30~19:15	Session aD0 : 超導與強關聯電子系統		2007 年 1 月 23 日(星期二) 陳永忠 管二館 007
16:30~17:00	aD0-01 (invited)	John R. Kirtley	Absence of large spontaneous supercurrents in $\text{Sr}_2\text{RuO}_4^\dagger$
17:00~17:30	aD0-02 (invited)	羅志偉	Spatial dichotomy of photoinduced quasiparticle dynamics in doped thin-film $\text{Y}_{1-x}\text{Ca}_x\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$ superconductors
17:30~17:45	aD0-03	劉少勳	Microwave-driven small superconducting junctions: Shapiro steps, Cooper-pair blockade, and Coulomb oscillation inversion
17:45~18:00	aD0-04	曹嶸	Dynamic flow phases and anisotropic depinning in superconductors with regular triangular pinning arrays
18:00~18:15	aD0-05	林佩真	Effect of thermal fluctuations and quenched disorder on vortex lattice structural transition in type II superconductors
18:15~18:30	aD0-06	鄭振宗	Effects of current amplification on the characteristics of superconducting quantum interference gratings
18:30~18:45	aD0-07	曾傳銘	TEM studies of the charge-density-wave phase transition in $\text{R}_5\text{Ir}_4\text{Si}_{10}$ ($\text{R}=\text{Dy}, \text{Ho}, \text{and Er}$)
18:45~19:00	aD0-08	Ben-Li Young	NMR study of the exotic superconducting state in CeCoIn_5
19:00~19:15	aD0-09	蘇子翔	^{11}B NMR investigation of Fe substitution effect in MgB_2
16:30~18:15	Session aE0 : 光學光電		2007 年 1 月 23 日(星期二) 陳啓昌 管二館 006
16:30~17:00	aE0-01 (invited)	張宏鈞	Finite-difference numerical analysis of photonic crystals and photonic crystal fibers

17:00~17:15	aE0-02	陳政光	Experimental Verification of Negative Refraction at Communication Band
17:15~17:30	aE0-03	蔡明容	Fractional dynamics of the spontaneous emission of an atom in photonic crystals
17:30~17:45	aE0-04	程思誠	Zeno and anti-Zeno effects of a two-level atom in photonic crystals
17:45~18:00	aE0-05	吳靜娜	Optical properties of photonic crystals
18:00~18:15	aE0-06	饒瑞福	Finite element analysis of photon density of states for two-dimensional photonic crystals with in-plane light propagation
16:30~18:30	Session aF1 : 表面物理/掃描探針顯微術		2007年1月23日(星期二) 魏金明 管二館 017
16:30~16:45	aF1-01	周至品	Theoretical investigation of CO oxidation on AuAg(110) alloy surface
16:45~17:00	aF1-02	羅榮立	NH ₂ and NH bonding sites determined by STM-induced activation on the NH ₃ -reacted Si(111)-7×7 surface
17:00~17:15	aF1-03	陳信言	The characteristics of catalytic reaction on RuO ₂ (110) surface
17:15~17:30	aF1-04	秦安立	Growth of Au on Si(111) surface
17:30~17:45	aF1-05	蔡松麟	Temperature dependant evolution of Co islands on Ag/Si(111)-√3×√3 and Ag/Ge(111)-√3×√3
17:45~18:00	aF1-06	T. Mangen	Electrodeposition of Co on Cu(111) in diluted hydrochloric acid
18:00~18:15	aF1-07	呂欣明	Strength modulation of quantum-well states in Pb islands with periodic distortions
18:15~18:30	aF1-08	賴炬宏	Self-assembly vicinal surface of Mo(001) grown on Al ₂ O ₃ (1̄1̄02)
16:30~18:30	Session aF2 : 表面物理/掃描探針顯微術		2007年1月23日(星期二) 黃迪靖 管二館 111
16:30~16:45	aF2-01	鄭澄懋	The Angle-resolved Photoemission Study for Ultrathin NiO and CoO Thin Films on Ag(100) Surface
16:45~17:00	aF2-02	紀乃友	Observation of Magnetic Domains in Co/Mn/Cu ₃ Au(001) Bilayer System by Photoemission Electron Microscopy
17:00~17:15	aF2-03	陳裕宏	Investigation of electronic structures of novel non-metallic electron injection layers studied with photoemission spectroscopy
17:15~17:30	aF2-04	李冠儒	Electronic Structure and Interface Chemistry between LiF and Oligofluorenes
17:30~17:45	aF2-05	Chia-Ching Chang	Single molecular dynamics of triplex DNA: Direct visualization and measurements
17:45~18:00	aF2-06	何孟書	Investigation of Erythrocytes on Biocompatible Platforms with Atomic Force Microscopy
18:00~18:15	aF2-07	簡世森	Local poling of photoreactive copolymer thin films with scanning probe technique
18:15~18:30	aF2-08	陳宜君	Study of nano-scale ferroelectric hysteresis in PZT films and tubes by Scanning Probe Microscopy
16:30~19:00	Session aH0 : 統計物理/計算物理/非線性動力學		2007年1月23日(星期二) 梁鈞泰 管二館 004
16:30~17:00	aH0-01 (invited)	黃定維	Traffic dynamics on the rotary
17:00~17:30	aH0-02 (invited)	廖思善	Spiral trajectory in the horizontal Brazil nut effect
17:30~17:45	aH0-03	陳志強	Oscillation in Temperature in a compartmentalized Bi-disperse Granular Gas
17:45~18:00	aH0-04	陳彥宏	Instability of lubrication films between pulsed laser induced micro-bubbles
18:00~18:15	aH0-05	詹佳玲	Stokes-Einstein Relation in Sheared 2D Dusty Plasma Liquids
18:15~18:30	aH0-06	薛熙于	First Demonstration of Massively Parallel GPU Cluster

18:30~18:45	aH0-07	鄒忠毅	將遺傳算法運用在選區劃分問題上		
18:45~19:00	aH0-08	郑广	Dynamical and doping effects in conjugated polymers		
16:30~18:45	Session aJ1 : 中高能物理		2007年1月23日(星期二)	王名儒 張寶棣	管二館 105
16:30~16:45	aJ1-01	王名儒	Recent results of the charmless baryonic B meson decays		
16:45~17:00	aJ1-02	江政錦	Measurement of $B^0 \rightarrow \rho^0 \rho^0$ at BELLE		
17:00~17:15	aJ1-03	林盛文	Improved Measurements of $B \rightarrow hh$ decays at Belle		
17:15~17:30	aJ1-04	張寶棣	Measurements of Branching Fractions and CP Asymmetries in B Meson Decays		
17:30~17:45	aJ1-05	王景祺	ϕ^2 constraint of B to $\rho \pi$ Time-dependent Dalitz analysis from Belle		
17:45~18:00	aJ1-06	Hideyuki Nakazawa	Studies of Two-Photon Processes at Belle		
18:00~18:15	aJ1-07	Namit Mahajan	Forward backward asymmetry in $B \rightarrow V^+V^-$ decays as probe for scenarios beyond the standard model		
18:15~18:30	aJ1-08	葛道寧	The pair of neutral B meson produced at the Upsilon(4S) should exhibit non-local correlation of the type discuss by Einstein Podolski and Rosen		
18:30~18:45	aJ1-09	陳凱風	Prospect of W-associated Single Top Quark Production at CMS		
16:30~18:30	Session aJ2 : 中高能物理		2007年1月23日(星期二)	蔣正偉	管二館 107
16:30~16:45	aJ2-01	Hai Qing Zhou	two photon effect in ed scattering		
16:45~17:00	aJ2-02	Chung-wen Kao	The leading order correction to the nucleon generalized parton distributions		
17:00~17:15	aJ2-03	陳佑駿	Gamma-Z exchange contribution to the parity violation to elastic electron-nucleon scattering.		
17:15~17:30	aJ2-04	郭榮升	Projected Shell Model description of odd proton superdeformed nuclei in A~190 Region		
17:30~17:45	aJ2-05	Dan Tomino	One-Loop Effect of Super-Yang-Mills Theory on Null-Like Time Dependent Background		
17:45~18:00	aJ2-06	Shunsuke Teraguchi	Reformulation of Boundary String Field Theory in terms of Boundary State		
18:00~18:15	aJ2-07	溫文鈺	Spin chain from marginally deformed $AdS(3) \times S(3)$		
18:15~18:30	aJ2-08	楊毅 (NCTS)	Symmetry in String Theory and Scattering Amplitudes		
16:30~19:15	Session aK0 : 天文/重力/宇宙學		2007年1月23日(星期二)	曹慶堂	管二館 109
16:30~17:00	aK0-01 (invited)	吳建宏	Cosmic microwave background and the 2006 Nobel Prize in physics		
17:00~17:15	aK0-02	黃偉彥	Cosmological QCD Phase Transition and Dark Matter		
17:15~17:30	aK0-03	顧哲安	What's Wrong with FLRW Cosmology?		
17:30~18:00	aK0-04 (invited)	Pisin Chen	Ultra High Energy Cosmic Neutrinos		
18:00~18:15	aK0-05	蔡和進	Observation of Scalar WIMP in Top Quark Decay		
18:15~18:30	aK0-06	葉勝任	The Effect of Orbital Eccentricity on the Planet-Disk Interaction		
18:30~18:45	aK0-07	張祥光	The Nuclear Compton Telescope (NCT) Project		
18:45~19:00	aK0-08	劉宗凱	The instrument of NCT		
19:00~19:15	aK0-09	顏吉鴻	Embedded Clusters and Their Environments in Massive Star-Forming Region S233IR		

1 月 24 日(星期三) 上午

08:30~11:00	Session bA0 : 奈米科學		2007 年 1 月 24 日(星期三)	周武清	綜教館 122
08:30~09:00	bA0-01 (invited)	陳啓昌	朝向奈米級光電晶片的光子晶體研究		
09:00~09:15	bA0-02	王冠儒	Novel technique for fabricating InN nanotips		
09:15~09:30	bA0-03	莊程豪	Laser-induced microball in well-aligned CuO nanowire		
09:30~09:45	bA0-04	歐敏男	3 ω - method for thermal properties measurements of nanowires		
09:45~10:00	bA0-05	陳永松	Gold nano-particles: characterizations and modeling of optical properties		
10:00~10:15	bA0-06	林永翰	Electrical-transport properties of individual single-crystalline RuO ₂ nanowires		
10:15~10:30	bA0-07	黃智賢	Nano-oxidation and trench formation of gallium nitride using photo-assisted atomic force microscopy		
10:30~10:45	bA0-08	李秉中	Thermoelectric properties of Bi ₂ Te ₃ nanowire arrays and thin films		
10:45~11:00	bA0-09	王玫丹	Grain size effect on the phonon behavior of barium titanate nanoparticles		
08:30~11:30	Session bB0 : 半導體		2007 年 1 月 24 日(星期三)	郭明庭	綜教館 114
08:30~09:00	bB0-01 (invited)	果尙志	InN, GaN, and InGaN Epitaxially Aligned Nanostructures		
09:00~09:15	bB0-02	Yen-Liang Chen	Structure and Morphology Enhancement of GaN Epilayer by Multi-Step Method in Molecular-Beam Epitaxy		
09:15~09:30	bB0-03	黃信雄	Long depth triangular microtunnels of GaN prepared by wet chemical etching		
09:30~09:45	bB0-04	C. H. Hsieh	Growth of M-plane gallium nitride on γ -LiAlO ₂ (100) substrate by radio frequency plasma-assisted molecular beam epitaxy		
09:45~10:00	bB0-05	蔡宗儒	Femtosecond time-resolved photoreflectance of InN thin films		
10:00~10:15	bB0-06	蕭慶廉	Epitaxial growth of InN films using hydrazoic acid (HN ₃) as an efficient nitrogen source		
10:15~10:30	bB0-07	鄭德俊	Ultrafast Time-Resolved Photoluminescence Study of InN		
10:30~10:45	bB0-08	徐旭政	Photoluminescence of high quality InN crystals on Si(111) Substrates		
10:45~11:00	bB0-09	謝佩珍	Energy states induced by composition fluctuation in InGaAsN/GaAs single quantum well		
11:00~11:15	bB0-10	高鳴宏	Effect of dislocation density on mobility in AlGaIn/GaN heterostructure grown on c-sapphire by PAMBE		
11:15~11:30	bB0-11	陳光耀	Characterization of Al _{0.15} Ga _{0.85} N/GaN heterostructures grown on p-type Si substrates		
08:30~11:00	Session bC0 : 磁學		2007 年 1 月 24 日(星期三)	李文献	管二館 005
08:30~08:45	bC0-01	徐斌睿	Comparison Between the Spin Contrast Images of 7.5ML Mn/Fe(001) Using the Fe and Co Coated W tip		
08:45~09:00	bC0-02	彭泰彥	Enhancement of exchange field in CoFe/IrMn by 12-fold symmetric Os/Cu buffer layers		
09:00~09:15	bC0-03	鍾廷翊	Analysis of the shape anisotropy by magnetotransport in sub-micron sized permalloy wires and binary chains		
09:15~09:30	bC0-04	王柏堯	Enhanced Perpendicular Anisotropy of Bct Iron films with Exchange Coupling from γ -Mn Underlayer		
09:30~09:45	bC0-05	胡裕民	Structural、optical and magnetic properties of Cr doped ZnO films grown by reactive magnetron co-sputtering		

09:45~10:00	bC0-06	劉如芬	Ab initio Studies of the Possible Magnetism in BN Sheet by Non-magnetic Impurities and Vacancies		
10:00~10:30	bC0-07 (invited)	馬遠榮	Creating and manipulation of antiferromagnetic domains by a magnetic tip		
10:30~10:45	bC0-08	吳啓彬	STM and STS Study of Different Phases of Mn Thin Film on Fe(001)		
10:45~11:00	bC0-09	許華書	Transition of Percolative Ferromagnetism in Co-doped ZnO by Multilayer Growth Technique		
08:30~11:30	Session bD0 : 超導與強關聯電子系統		2007 年 1 月 24 日(星期三)	莊振益	管二館 007
08:30~09:00	bD0-01 (invited)	黃迪靖	Spin, charge, and orbital order in transition metal oxides		
09:00~09:30	bD0-02 (invited)	高英哲	A large-N study of an antiferromagnet pyrochlore in an external magnetic field		
09:30~09:45	bD0-03	趙國勝	Dimensional Crossover of Antiferromagnetism in Half-Doped $\text{La}_{0.5}\text{Sr}_{1.5}\text{MnO}_4$		
09:45~10:00	bD0-04	J. Okamoto	Resonant soft x-ray scattering study of the spiral spin order at Co site in CoCr_2O_4		
10:00~10:15	bD0-05	T. Y. Cheng	Magnetotransport properties, electronic structure, and microstructure of $\text{La}_{0.7}\text{Sn}_{0.3}\text{MnO}_3$ thin films		
10:15~10:30	bD0-06	方俊斌	Coexistence of double structure in CaAlSi : NMR evidence		
10:30~10:45	bD0-07	張維仁	Fabrication of Cobaltate Na_xCoO_2 thin films ($x = 0.68, 0.75$) by Capped Thermal Diffusion		
10:45~11:00	bD0-08	葉勝玄	Zero-Bias Conductance Peak in $\text{Al}/\text{AlO}_x/\text{Sc}$ Tunnel Junctions		
11:00~11:15	bD0-09	吳謙讓	Thickness-dependent effective surface impedance of a nearly ferroelectric superconducting film		
11:15~11:30	bD0-10	丁立中	Anisotropic nature of superconductivity in hexagonal rubidium tungsten bronze $\text{Rb}_{0.23}\text{WO}_{3+\delta}$ *		
08:30~11:30	Session bE0 : 光學光電		2007 年 1 月 24 日(星期三)	張守進 賈至達	管二館 006
08:30~09:00	bE0-01 (invited)	張守進	GaN-based materials and devices		
09:00~09:15	bE0-02	龔志榮	On the characteristics of threading dislocations in GaN films and AlGaN/GaN heterostructures		
09:15~09:30	bE0-03	鄭秀鳳	Dielectric Properties of the $\text{Ba}(\text{Mg}_{1/3}\text{Ta}_{2/3})\text{O}_3$ Materials		
09:30~09:45	bE0-04	賈昱榮	Controllable Surface Energy in Dielectric Material Intended for High Performance Organic Thin-film Transistors		
09:45~10:00	bE0-05	曾信榮	High-efficiency Blue Multilayer Polymer Light-emitting Diode Fabricated By a General Liquid Buffer Method		
10:00~10:30	bE0-06 (invited)	謝文峰	Single frequency bottle beam laser for optical trapping		
10:30~10:45	bE0-07	鄭恪亭	Partially Erasable Photoalignment Layer Formed in Dye-Doped		
10:45~11:00	bE0-08	葉蕙濤	Dynamic biphotonic holographic gratings in azo-dye-doped cholesteric liquid crystal films		
11:00~11:15	bE0-09	陳郁壬	Analysis of the conspocic pattern for thermal-optic nonlinearities of nematic liquid crystal		
11:15~11:30	bE0-10	鄭安期	Structural Study of Vanadium Tellurium Barium Oxide Glasses by Ultrasonics and Raman Spectroscopy		
08:30~11:30	Session bF0 : 表面物理/掃描探針顯微術		2007 年 1 月 24 日(星期三)	張嘉升	管二館 017
08:30~09:00	bF0-01 (invited)	鄭天佐	Fifty years of seeing and experimenting with surface atoms		
09:00~09:30	bF0-02 (invited)	C. Oshima	Energy spectra of the Field Electron Emission from a Single-Atom Electron Source and application to electron microscope		

09:30~10:00	bF0-03 (invited)	Y. L. Wang	Fabrication and application of custom-designed arrays of nanoparticles and nanowires on anodic alumina templates		
10:00~10:30	bF0-04 (invited)	Ricardo García	Local Chemical Nanolithographies: Nanofabrication and Nanodevices		
10:30~11:00	bF0-05 (invited)	Óscar Custance	Atomic Manipulation and Chemical Identification of Single Atoms Using Dynamic Force Microscopy		
11:00~11:30	bF0-06 (invited)	Hirofumi Yamada	Subnanometer-resolution Imaging in Liquid by Frequency Modulation Atomic Force Microscopy		
08:30~11:30	Session bG0 : 生物物理/軟物質		2007 年 1 月 24 日(星期三)	陳志強	管二館 004
08:30~09:00	bG0-01 (invited)	歐陽頌	Robustness and modular design of a biological network		
09:00~09:30	bG0-02 (invited)	阮俊人	A polymer-based route to multivalent nanoparticles		
09:30~09:45	bG0-03	陳彥旭	Glucose biosensor based on gold nanoparticles coated carbon nanotube arrays on Si		
09:45~10:00	bG0-04	院繼祖	Studies on Fluorescence Enhancement Caused by Surface Modifications for Single Colloidal CdSe Quantum Dots		
10:00~10:15	bG0-05	陳俊榮	Recent development and application of synchrotron protein crystallography on structural biology		
10:15~10:30	bG0-06	Izabela Zakowska	The study of recombinant fish growth hormone (rEaGH) folding and aggregation		
10:30~10:45	bG0-07	周子聰	Twisting instability of helical filaments		
10:45~11:00	bG0-08	舒咬根	A stochastic mechanochemical coupling model of F ₀ F ₁ -ATP synthase		
11:00~11:15	bG0-09	陳宣毅	How strong is a cluster of parallel weak bonds?		
11:15~11:30	bG0-10	陳唯	Effects of Population Densities on the aggregation performance of interacting Cells		
08:30~10:45	Session bJ0 : 中高能物理		2007 年 1 月 24 日(星期三)	熊怡	管二館 105
08:30~09:00	bJ0-01 (invited)	張敬民	Recent topics in LHC physics		
09:00~09:30	bJ0-02 (invited)	Song Ming Wang	Searches for Higgs Boson at Hadron Colliders, from the Tevatron to LHC		
09:30~09:45	bJ0-03	林誠謙	Grid Analysis Framework for High Energy Physics in Taiwan		
09:45~10:00	bJ0-04	林宗泰	Status of CMS Preshower - NCU		
10:00~10:15	bJ0-05	趙元	Search for the 4 th generation quark with CMS detector at LHC		
10:15~10:30	bJ0-06	侯書雲	Diboson W-gamma and Z-gamma production at the ATLAS Detector		
10:30~10:45	bJ0-07	張敏娟	Super-B project in Japan		
11:30~12:30	Session bJ0 : 中高能物理		2007 年 1 月 24 日(星期三)	熊怡	管二館 018
11:30~12:30	bJ0-08 (invited) Video	王名儒	Cracking the Nucleus		
08:30~11:00	Session bK0 : 天文/重力/宇宙學		2007 年 1 月 24 日(星期三)	張祥光	管二館 107
08:30~08:45	bK0-01	Jumpei Takata	Polarization Study for High-Energy Emissions from the Pulsars		
08:45~09:00	bK0-02	Dinh Van Trung	Mass loss from yellow supergiant IRC+10420		
09:00~09:15	bK0-03	Soumen Mondal	Molecular Line Imaging to Characterize the Substellar Population in IC 348		
09:15~09:30	bK0-04	M. Nuevo	Amino acids and intermediate compounds produced from the irradiation of astrophysical ices		

09:30~09:45	bK0-05	Sheng-Yuan Liu	Molecular Chemistry around Massive Star Forming Regions : IRAS 20126+4104 as A Showcase
09:45~10:00	bK0-06	黃慧春	Deuterated Molecular Species in IRAS 16293-2422 Low-Mass Protostellar Disk
10:00~10:30	bK0-07 (invited)	李太楓	Why does our solar system have a well defined normal isotopic composition?
10:30~10:45	bK0-08	Daisuke Kinoshita	Surface Heterogeneity of 2005 UD from Photometric Observations
10:45~11:00	bK0-09	江瑛貴	On the Feasibility Study of a Network of Transit Surveys
08:30~10:30	Session bM0 : 電漿/一般物理		2007 年 1 月 24 日(星期三) 郝玲妮 管二館 109
08:30~09:00	bM0-01 (invited)	汪治平	High-field physics at IAMS-Academia Sinica
09:00~09:15	bM0-02	藏滿康浩	Relativistic Harmonic Generation by an Intense Laser Pulse in an Underdense Plasma
09:15~09:30	bM0-03	張存續	Development of high power sub-THz radiation sources based on the electron cyclotron maser
09:30~09:45	bM0-04	陸普世	A field emission based Ka-band millimeter wave generator
09:45~10:00	bM0-05	李偲豪	Dominance of second growth rate peak in Alfvénic behavior and instability transition of relativistic electromagnetic ion cyclotron instabilities near threshold
10:00~10:15	bM0-06	饒駿頌	Electron-Positron Hole Structures Generated by Streaming Instability
10:15~10:30	bM0-07	傅瑋宗	On the Harris current sheet model with Kappa velocity distribution function
08:30~11:15	Session bN0 : 原子/分子		2007 年 1 月 24 日(星期三) 蔡錦俊 管二館 111
08:30~08:45	bN0-01	Thorsten Peters	Realization of Bose-Einstein Condensation in ^{87}Rb
08:45~09:00	bN0-02	卓鴻文	Direct Measurement of the Atom Number in a Bose Condensate
09:00~09:15	bN0-03	吳旭昇	Measurements of Nonlinear Focusing in Cold Rb Clouds
09:15~09:30	bN0-04	張其明	Quantum phase diagram of Polar Molecules in 1D Double Wire Systems
09:30~09:45	bN0-05	Yi-Ya Tian	Quantum spin relaxation in mixtures of spinor cold atoms
09:45~10:00	bN0-06	黃超羣	Using modified Gaussian distribution to study the physical properties of one and two-component ultracold atoms
10:00~10:15	bN0-07	官文絢	Macroscopic quantum tunneling of a Bose-Einstein condensate in optical lattices
10:15~10:30	bN0-08	Chi-Ho Cheng	Trapped Resonant Fermions above Superfluid Transition Temperature
10:30~10:45	bN0-09	吳建明	Optical offset locking based on simple electronics
10:45~11:00	bN0-10	王彰義	Low-light-level all-optical switching
11:00~11:15	bN0-11	王延幫	Direct measurements of Thermal Nonlinear Refraction
08:30~11:15	Session bO0 : 物理教學		2007 年 1 月 24 日(星期三) 陳義勳 管二館 018
08:30~10:00	bO0-01 (invited)	劉源俊	物理教育_從名詞談起
10:00~10:15	bO0-02	邱韻如	創意互動的普物教學—從自由落體、拋體運動到天體運行
10:15~10:30	bO0-03	陳輝樺	發展非制式物理科學教育教學資源之行動研究
10:30~10:45	bO0-04	劉子鍵	IRS 融入大一普物 教學之歷程研究
10:45~11:00	bO0-05	周祥順	牛頓馬戲團下鄉

11:00~11:15	bO0-06	陳義勳	A Study of Conceptual Change on Electricity Unit of Elementary School Children in Taipei City
11:30~14:00	午餐		
	壁報論文展示 地點: 管二館,綜教館 展示時間: 1月23日 10:30至1月24日 14:00 壁報論文競賽評分 時間: 1月24日 11:30~13:00 廠商設備儀器展 地點: 綜教館 展示時間: 1月23日 10:30至1月25日 12:00		
11:30~14:00	物理學會常務理事會議 (時間: 11:30~12:30 地點: 管二館 109)		
	壁報論文評審會議 (時間: 13:00~14:00 地點: 管二館 105)		
	物理雙月刊編委會 (時間: 12:30~13:30 地點: 管二館 107)		
	物理學會理監事會 (時間: 12:30~13:30 地點: 管二館 109)		
	物理推動中心委員會 (時間: 12:30~13:30 地點: 管二館 111)		
	女性工作委員會議 (時間: 12:00~13:30 地點: 管二館 003) 會議期間播放女性風采的 DVD 1/23(二) 13:30 14:30 15:30 16:30 1/24(三) 9:00 10:00 11:00 14:30 15:30		

1月24日(星期三) 下午

14:00~16:15	Session cA0 : 奈米科學		2007年1月24日(星期三)	李超煌	綜教館 122
14:00~14:30	cA0-01 (invited)	徐文光	Esterified carbon nanotubes and their tribological parameters		
14:30~14:45	cA0-02	陳聖鐘	Plasmonic nano-kaleidoscope		
14:45~15:00	cA0-03	M.K. Lee	Temperature dependence of atomic mobility in confined metals		
15:00~15:15	cA0-04	黃宣瑜	Enhancement of luminescence of nematic liquid crystals doped with silver nanoparticles		
15:15~15:30	cA0-05	黃玉林	Crystalline growth modes induced by disordered phase formation at metal/semiconductor interface		
15:30~15:45	cA0-06	賴奕豪	Magnetoelectronic structure of a monolayer graphite		
15:45~16:00	cA0-07	李啓玄	Electronic properties of finite double-walled carbon nanotubes under external fields		
16:00~16:15	cA0-08	Max Chung	Manufacturing Sub-45 nm Mold for Nanoimprint Lithography with Focused Ion Beam		
14:00~16:45	Session cB0 : 半導體		2007年1月24日(星期三)	果尙志	綜教館 114
14:00~14:30	cB0-01 (invited)	郭明庭	Modeling of tunneling spectroscopy of a single quantum dot involving two levels		
14:30~14:45	cB0-02	楊祝壽	Physical properties of ZnO epilayers grown on c-Al ₂ O ₃ using plasma assisted molecular beam epitaxy		
14:45~15:00	cB0-03	陳政營	Picosecond Ultrasonics Study of a ZnO thin film		
15:00~15:15	cB0-04	石豫臺	Optical properties of Mn-doped ZnS nanocrystals		
15:15~15:30	cB0-05	林彥丞	Pressure-dependent Raman scattering and photoluminescence of Zn _{1-x} Cd _x Se epilayers		
15:30~15:45	cB0-06	范文忠	Photoluminescence studies of type-II diluted magnetic semiconductor ZnMnTe/ZnSe quantum dots		

15:45~16:00	cB0-07	潘晴如	Alloy potential fluctuations in $Mg_xZn_{1-x}O$ nanopowders: a Raman study of E_2 phonon with spatial correlation model		
16:00~16:15	cB0-08	鄭日新	Growth and analyses of CdSe nanoneedles		
16:15~16:30	cB0-09	Chih-Ta Chia	Raman and EXAFS Characterization of the Boron-Doped SiGe Alloys		
16:30~16:45	cB0-10	劉國安	The profiles of a driven current filament in n-GaAs		
14:00~16:45	Session cE0 : 光學光電		2007 年 1 月 24 日(星期三)	張玉明 董成淵	管二館 006
14:00~14:30	cE0-01 (invited)	張玉明	Study of the $A_1(LO)$ phonon and plasmon coupling in wurtzite InN with time-resolved second-harmonic generation		
14:30~15:00	cE0-02 (invited)	Gail McConnell	opportunities using a white-light supercontinuum laser source		
15:00~15:15	cE0-03	林昱志	Phase-shifting Digital Holographic Microscopy Based on Lensless Imaging Configurations		
15:15~15:30	cE0-04	Vladimir Gukassyan	Use of fluorescence lifetime imaging microscopy (FLIM) in detecting viral infection		
15:30~15:45	cE0-05	周政寬	Polarization second harmonic generation microscopy by rotation of excitation light		
15:45~16:15	cE0-06 (invited)	施宙聰	Prospect of Frequency Comb Based Ultraprecision Optical Metrology		
16:15~16:30	cE0-07	彭錦龍	Absolute mode number determination using two mode-locked laser combs for optical frequency metrology		
16:30~16:45	cE0-08	吳宗翰	Novel carrier-envelop frequency controlled femtosecond laser based on cesium - stabilized 822.5 nm radiation		
14:00~17:00	Session cF0 : 表面物理/掃描探針顯微術		2007 年 1 月 24 日(星期三)	羅夢凡	管二館 017
14:00~14:30	cF0-01 (invited)	T.-C. Chiang	Quasiparticles in Thin Film Quantum Wells		
14:30~15:00	cF0-02 (invited)	邱雅萍	Stability of magic planar Ag clusters		
15:00~15:30	cF0-03 (invited)	Hidemi Shigekawa	Nanoscale-Mapping of Photoinduced Carrier Dynamics- Results by 2nd Generation Laser-Combined Scanning Tunneling Microscopy-		
15:30~16:00	cF0-04 (invited)	S. Rusponi	Magnetism of two-dimensional nanostructures: pure versus alloyed composition		
16:00~16:30	cF0-05 (invited)	林敏聰	Electronic and Magnetic Imaging on Nanomaterials using Synchrotron Radiation and Spin-Polarized Scanning Tunneling Microscopy		
16:30~17:00	cF0-06 (invited)	林鶴南	Fabrication of metal nanostructures by atomic force microscopy nanomachining and related applications		
14:00~16:30	Session cH0 : 統計物理/計算 物理/非線性動力學		2007 年 1 月 24 日(星期三)	陳企寧	管二館 004
14:00~14:30	cH0-01 (invited)	吳明佳	Phase statistics approach to time series analysis		
14:30~15:00	cH0-02 (invited)	歐陽頌	Spiral instabilities and their control in a reaction-diffusion system		
15:00~15:15	cH0-03	黎璧賢	Some Results on some Optimized Networks		
15:15~15:30	cH0-04	洪耀正	Detecting essential nodes in complex networks		
15:30~15:45	cH0-05	Mesfin Asfaw	Vacancy Diffusion in Ordered Binary Alloy		
15:45~16:00	cH0-06	李翠蓮	Epitaxial growth of Ag islands: 2D/3D Transition and kink site energy		
16:00~16:15	cH0-07	林啓清	Experimental Observations of Dual-Polarization Oscillations in Laser-Diode-Pumped Wide-Aperture Microchip Nd:GdVO ₄ Lasers		
16:15~16:30	cH0-08	張書銓	Spanning trees on lattices and integral identities		

14:00~16:45	Session cI0 : 量子資訊與計算		2007 年 1 月 24 日(星期三)	褚德三	管二館 111
14:00~14:30	cI0-01 (invited)	徐立義	Some Aspects in Bell's theorems		
14:30~15:00	cI0-01 (invited)	陳岳男	Entanglement Swapping via Superradiance		
15:00~15:30	cI0-01 (invited)	張志義	Quantum Bit Commitment with Secret Parameters		
15:30~16:00	cI0-01 (invited)	張亞中	Simulation of Si:P qubit in realistic quantum computer architecture		
16:00~16:30	cI0-01 (invited)	管希聖	A charge qubit measured by a quantum point contact: a revisit		
16:30~16:45	cI0-06	袁曉忠	Decoherence of a superconducting flux qubit in an antiferromagnetic environment		
14:00~16:15	Session cJ0 : 中高能物理		2007 年 1 月 24 日(星期三)	黃明輝	管二館 105
14:00~14:15	cJ0-01	李浩斌	Search for Neutrino Magnetic Moments at Kuo-Sheng Neutrino Laboratory		
14:15~14:30	cJ0-02	Muhammed Deniz	Measurement of Neutrino-Electron Scattering Cross-Section - Status Report		
14:30~14:45	cJ0-03	張曦明	Search of axions at the Kuo-Sheng Nuclear Power Plant with a High-Purity Germanium Detector		
14:45~15:00	cJ0-04	林興德	Low Energy Neutrino and Astroparticle Physics with a 100 eV Threshold Detector		
15:00~15:15	cJ0-05	阮錫超	Quenching Factor Measurements for Germanium at the sub-keV region with the Neutron Facility at CIAE		
15:15~15:30	cJ0-06	熊怡	Status of Daya Bay Reactor Neutrino Oscillation Experiment		
15:30~15:45	cJ0-07	Koji Ueno	Optical System for NuTel and Future Planning		
15:45~16:00	cJ0-08	林士凱	R&D Studies on Ultra-Low Energy Germanium Detector		
16:00~16:15	cJ0-09	廖恒毅	Studies of Possible Neutrino-Induced Nuclear Transitions at KS Laboratory		
14:00~16:15	Session cK0 : 天文/重力/宇宙學		2007 年 1 月 24 日(星期三)	管一政	管二館 107
14:00~14:15	cK0-01	Anil K. Pandey	Open Star Clusters: star formation and structure		
14:15~14:30	cK0-02	Kazutaka Motoyama	Star formation triggered by Radiation Driven Implosion		
14:30~15:00	cK0-03 (invited)	葉永烜	On the Origins and Evolutions of the Outer Saturnian Satellites: Phoebe, Iapetus and Hyperion		
15:00~15:15	cK0-04	Naomi Hirano	High-velocity SiO emission from the L1448 protostellar jet		
15:15~15:30	cK0-05	李昫岱	TRIGGERED STAR FORMATION AT ULTRA LARGE GALACTIC HEIGHT		
15:30~15:45	cK0-06	Satoki Matsushita	Imaging molecular gas around the Seyfert 2 nucleus of M51 at 10 pc resolution		
15:45~16:00	cK0-07	孫維新	Dynamical Behavior and Star Formation History in Interacting Galaxies		
16:00~16:15	cK0-08	D. Espada	SMA CO(2-1) imaging of the dust lane and circumnuclear gas in Centaurus A		
14:00~17:00	Session cL0 : 加速器物理		2007 年 1 月 24 日(星期三)	周炳榮	管二館 109
14:00~14:30	cL0-01 (invited)	劉偉強	A High Brightness Electron Beam Injector for Light Source Development		
14:30~15:00	cL0-02 (invited)	張和平	Nonlinear beam dynamics problem and optimization in the low emittance magnet lattice design of NSRRC 3 GeV light source storage ring		

15:00~15:15	cL0-03	張隆海	Commissioning Experience of SRF systems for Taiwan light source		
15:15~15:30	cL0-04	熊高鈺	Ultrahigh vacuum systems for the Taiwan synchrotron light source		
15:30~15:45	cL0-05	戴伶潔	Study of beam energy saturation in laser wakefield accelerators		
15:45~16:00	cL0-06	張漢龍	Miniature Superradiance Free-electron Laser		
16:00~16:15	cL0-07	陳建偉	Accelerator lattice magnets design and analysis		
16:15~16:30	cL0-08	黃清鄉	The possibility study of UVFEL operated at Taiwan Light Source		
16:30~16:45	cL0-09	蔣安忠	GHz-pulse-rate Photocathode Injector		
16:45~17:00	cL0-10	胡國華	Control of Instability at NSRRC		
14:00~17:00	Session cN0 : 原子/分子		2007 年 1 月 24 日(星期三)	余怡德	管二館 005
14:00~14:30	cN0-01 (invited)	孔慶昌	Single cycle optical pulse generation		
14:30~14:45	cN0-02	Sabyasachi Kar	Doubly excited meta-stable bound states and resonance states of helium atom immersed in weakly coupled hot plasmas		
14:45~15:00	cN0-03	J. B. Nee	Interaction of Rydberg states of N ₂ in 10-30 eV		
15:00~15:15	cN0-04	Chanchal Chaudhuri	An observation of the non-crossing rule of the potential curves having the same symmetry in Na ₂		
15:15~15:30	cN0-05	蔡沛昌	Study of OH absorption mode due to domain inversion in lithium niobate crystal		
15:30~15:45	cN0-06	詹益忠	Mode selected photo-dissociation of CS ₂		
15:45~16:00	cN0-07	張哲愷	Study of transient thermal lensing effect in C60-toluene solution		
16:00~16:15	cN0-08	周明昌	Dramatic enhancement of optical-field-ionization collisional-excitation x-ray lasing by an optically-preformed plasma waveguide		
16:15~16:30	cN0-09	張瑞園	Two-path quantum interference phenomenon in the cold atomic cascade system		
16:30~16:45	cN0-10	陳震偉	Negative nonlinear refraction of simple molecular liquids studied with a femtosecond laser pulse		
16:45~17:00	cN0-11	陳蔚然	The Commensurate ultra-short pulse train generated by Enhanced Raman Coherence in H ₂		
14:00~16:30	Session cO0 : 物理教學		2007 年 1 月 24 日(星期三)	朱慶琪	管二館 007
14:00~15:30	cO0-01 (invited)	陳秋民	悠遊物理演示教學路		
15:30~15:45	cO0-02	房漢彬	由光學幻像盒看物理概念的學與用		
15:45~16:00	cO0-03	謝奇文	以普通物理實驗為標的：建立以多媒體命題的資料庫平台與評量系統		
16:00~16:15	cO0-04	徐建興	Teaching Quantum Mechanics through Stern-Gerlach Spin 1/2 Experiments		
16:15~16:30	cO0-05	傅昭銘	Feasible experiments to demonstrate the practicability of oscilloscope for General Physics Laboratory		
14:00~16:30	Session cP0 : Award		2007 年 1 月 24 日(星期三)	李定國	管二館 018
14:00~14:30	cP0-01 (invited)	國家講座 李弘謙	Physics in the Depth of Genomes		
14:30~15:00	cP0-02 (invited)	傑出人才講座 張石麟	Development of structure determination methods and x-ray optics from x-ray phase measurement		
15:00~15:30	cP0-03 (invited)	2006 物理學會會士 行政院科技榮譽獎 蔡定平	Plasmonic Nanophotonics		

15:30~16:00	cP0-04 (invited)	理論中心年輕理論 學者獎 施奇廷	Numerical Study of the Phase Diagram of the Extended t-J Model		
16:00~16:30	cP0-05 (invited)	理論中心年輕理論 學者獎 王道維	Exotic quantum phases in ultracold polar molecules		
17:00~19:00	論壇		2007年1月24日(星期三)		
17:00~19:00	大型研究計畫論壇		張嘉升	管二館 007	
	女性物理學家論壇	引言人: 蔡麗玲 葉淑卿 林更青	林昭吟	管二館 018	
	物理教育--從高中到大學		朱慶琪	管二館 006	
19:00~21:00	晚宴 (地點: 香江時尚美食館)				

1月25日(星期四)

08:30~10:15	Session dA0 : 奈米科學		2007年1月25日(星期四)		陳永松	綜教館 122
08:30~09:00	dA0-01 (invited)	周家復	Nanoscale molecular traps and stretching tunnels			
09:00~09:15	dA0-02	黃元正	Landau levels and magneto-optical properties of nanographite ribbons			
09:15~09:30	dA0-03	林諭男	Development of Ultra-nano-crystalline Thin Films for the Application as Electron Field Emitters			
09:30~09:45	dA0-04	S. C. Ray	Local chemical bonding and electronic structure study of bulk and ultrananocrystalline diamond thin films by the Photo-Electron Emission Microscopy			
09:45~10:00	dA0-05	王俊杰	Transparent thin-film characterization by using differential optical sectioning interference microscopy			
10:00~10:15	dA0-06	吳兆穎	Electronic properties of 1D nanographite ribbons			
08:30~11:00	Session dB0 : 半導體		2007年1月25日(星期四)		吳志毅	綜教館 114
08:30~09:00	dB0-01 (invited)	黃鶯聲	Non-destructive, room temperature, characterization of wafer-sized III-V semiconductor device structures using contactless electromodulation and surface photovoltage spectroscopy			
09:00~09:15	dB0-02	趙宇強	Polymer space-charge-limited transistor			
09:15~09:30	dB0-03	林祐仲	Study of tuning barrier heights by organic modification of electrodes-p-AlGaIn contacts			
09:30~09:45	dB0-04	陳美杏	Incorporation of cesium carbonate at the interfaces of organic light emitting devices			
09:45~10:00	dB0-05	楊家銘	Electron Mobility and Electroluminescence Efficiency of Blue Conjugated Polymers			
10:00~10:15	dB0-06	劉建成	Effect of gate metal on polymer transistor with glass substrate			
10:15~10:30	dB0-07	蔡佳龍	Enhancement of surface work function of indium tin oxide by $(\text{NH}_4)_2\text{S}_x$ treatment			
10:30~10:45	dB0-08	林昌廷	Photoemission spectroscopy study of the enhancement of hole-injection in organic light-emitting devices by utilizing F4-TCNQ			
10:45~11:00	dB0-09	王德賢	Theoretical model of shallow acceptor states in strained			

			semiconductors		
08:30~11:00	Session dC0 : 磁學		2007 年 1 月 25 日(星期四)	吳勝允	管二館 005
08:30~09:00	dC0-01 (invited)	楊志開	Magnetism of composite structures made of transition metals, carbon and boron nitride nanotubes		
09:00~09:15	dC0-02	黃輝峰	Magnetic and transport properties of Pr-doped $\text{La}_{2/3}\text{Ba}_{1/3}\text{MnO}_3$ system		
09:15~09:30	dC0-03	盧宗伯	Hopping rate reduction ion Fe-doped $\text{La}_{0.7}\text{Ba}_{0.3}\text{MnO}_3$ material		
09:30~09:45	dC0-04	周雄	Growth of n-type $\text{La}_{0.7}\text{Ce}_{0.3}\text{MnO}_3$ films		
09:45~10:00	dC0-05	吳俊斌	Mechanism of the Strain Effect in $\text{La}_{0.8}\text{Ba}_{0.2}\text{MnO}_3$ and $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ Thin Films on SrTiO_3 (001) Substrate		
10:00~10:15	dC0-06	張晃暉	Magnetic properties, phase evolution, and microstructure of melt spun $\text{SmCo}_{7-x}\text{Hf}_x\text{C}_y$ ($x=0-0.5$; $y=0-0.14$) ribbons		
10:15~10:30	dC0-07	Puneet Sharma	Studies on Mn-substituted Barium Hexaferrite Prepared by High Energy Ball Milling		
10:30~10:45	dC0-08	李志浩	X-ray anomalous scattering and X-ray absorption spectroscopy methods to study the Au overlayer to prevent the aggregation of monolayer FePt nanoparticles		
10:45~11:00	dC0-09	薛宏中	First-principles study of strongly hybridized Frenkel exciton in NiO		
08:30~11:00	Session dD0 : 超導與強關聯電子系統		2007 年 1 月 25 日(星期四)	古煥球	管二館 007
08:30~09:00	dD0-01 (invited)	王立民	Anomalous Hall effect in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ / SrTiO_3 superlattices: Hopping transport and a probe of dimensionality		
09:00~09:30	dD0-02 (invited)	仲崇厚	Quantum criticality in a double quantum-dot system		
09:30~09:45	dD0-03	張炳章	Low Temperature x-ray absorption near-edge spectroscopy study of $\text{RuSr}_2\text{GdCu}_2\text{O}_8$		
09:45~10:00	dD0-04	鄭人瑞	The Physics Properties in $\text{MoSr}_2\text{YCu}_2\text{O}_{8-\delta}$ Nanoparticles		
10:00~10:15	dD0-05	J.-Y. Lin	The X-ray absorption near edge spectroscopy (XANES) on MgB_2 nanowires.		
10:15~10:30	dD0-06	陳詩芸	Analysis of Nano-scale Pinning Centers in Melt-Textured-Growth Sm-Ba-Cu-O Superconductor		
10:30~10:45	dD0-07	黃詩雯	X-ray absorption and Resonant Inelastic X-ray Scattering Study of $\text{NiS}_{2-x}\text{Se}_x$		
10:45~11:00	dD0-08	Pao-An Lin	Ab Initio Studies of Electron Correlation Effects And The Electronic Structures of Perovskite Ruthenates $\text{SrTi}_{1-x}\text{Ru}_x\text{O}_3$		
08:30~10:45	Session dE1 : 光學光電		2007 年 1 月 25 日(星期四)	吳小華 劉威志	管二館 004
08:30~09:00	dE1-01 (invited)	吳小華	Resonator-configuration-dependent dynamics in a diode-pumped Nd:YVO ₄ laser with gain modulation		
09:00~09:15	dE1-02	蘇益信	Output instability of quantum dot external cavity lasers		
09:15~09:30	dE1-03	李衍樺	Degenerate four-wave mixing mediated by laser-ponderomotive-force-driven plasma gratings in the near infrared regime		
09:30~09:45	dE1-04	白植豪	Enhancement of relativistic harmonic generation by an optically-preformed periodic plasma waveguide		
09:45~10:15	dE1-05 (invited)	劉威志	Perturbative behavior of surface plasmon mode in a metal surface with weak distortion		
10:15~10:30	dE1-06	藍永強	Manipulating Tunneling Frequencies by Magnetic Fields for Resonant Tunneling Effects of Surface Plasmon Polaritons		
10:30~10:45	dE1-07	何符漢	Manipulation of optical near fields by using plasmonics		
08:30~10:30	Session dE2 : 光學光電		2007 年 1 月 25 日(星期四)	陳寬任 林俊元	管二館 006

08:30~08:45	dE2-01	鍾享吉	Tunable, high-frequency microwave generation using nonlinear dynamics of optically injected semiconductor lasers		
08:45~09:00	dE2-02	林銘杰	Interaction mechanism of a field emission based THz oscillator		
09:00~09:15	dE2-03	陳穎書	The ultrafast dynamics of InAs quantum dots probed by femtosecond spectroscopy		
09:15~09:30	dE2-04	林元堯	Threshold power reduction for forming bright solitons guided in nonlocal nonlinear normal dispersive materials		
09:30~09:45	dE2-05	賴建宇	Divergent angle reduction of beamed light by double sub-wavelength slits		
09:45~10:00	dE2-06	鄭建宗	The Speed modulation instability of liquid flow in micro-pipes		
10:00~10:15	dE2-07	洪文誼	Effects of Length, and Substitution on Hole Mobility of Indenothiophene-embedded Homologues		
10:15~10:30	dE2-08	殷廣鈺	30 nm Resolution X-ray Imaging at 8 keV using Third Order Diffraction of a Zone Plate Lens Objective in a Transmission Microscope		
08:30~10:45	Session dF0 : 表面物理/掃描探針顯微術		2007 年 1 月 25 日(星期四)	果尙志	管二館 017
08:30~09:00	dF0-01 (invited)	Young Kuk	What is different in One-dimensional system?		
09:00~09:30	dF0-02 (invited)	黃英碩	Self Assembly of Si Nanowires at Pb-covered Si(111) Surfaces		
09:30~10:00	dF0-03 (invited)	Shuji Hasegawa	Electronic Transport at Monatomic Layers and Atomic Chains on Silicon Surfaces		
10:00~10:30	dF0-04 (invited)	Han Woong Yeom	Phase Transitions of Atomic Wires on Silicon Surfaces		
10:30~11:00	dF0-05 (invited)	Woei Wu Pai	Adsorbate-induced reconstruction of C60 fullerene films - effects on structure, growth, and electronic properties		
08:30~11:00	Session dG0 : 生物物理/軟物質		2007 年 1 月 25 日(星期四)	黎璧賢	管二館 018
08:30~09:00	dG0-01 (invited)	曹恒光	"Phase Diagram" of Wetting States on Textured Surfaces		
09:00~09:30	dG0-02 (invited)	李超煌	Studies on biological membrane dynamics by using high-resolution optical microscopy		
09:30~09:45	dG0-03	李明道	Membrane thickness of unilamellar vesicles in solution determined by small angle X-ray scattering at NSRRC		
09:45~10:00	dG0-04	W. B. Fischer	Viral ion channels - from self-assembly to ion flux		
10:00~10:15	dG0-05	洪偉清	The Condensing Effect of Cholesterol in Lipid Bilayers		
10:15~10:30	dG0-06	黃玉山	SAXS-revealed charge interaction and temperature effects on the solution structure of lysozyme		
10:30~10:45	dG0-07	朱士維	Polarization gated selective imaging in harmonic generation microscopy		
10:45~11:00	dG0-08	馮學深	The vacuum-ultraviolet circular dichroism (VUVCD) project at NSRRC		
08:30~10:30	Session dJ1 : 中高能物理		2007 年 1 月 25 日(星期四)	張元翰 章文箴	管二館 105
08:30~08:45	dJ1-01	張元翰	The status of the AMS experiment		
08:45~09:00	dJ1-02	章文箴	Recent results of LEPS/SPring-8 experiment and LEPS2 proposal		
09:00~09:15	dJ1-03	陳家益	Measurement of Λ (1405) Photoproduction at LEPS/SPring-8		
09:15~09:30	dJ1-04	Yu-Chen Tung	Analysis Status of KL decaying to $\pi^0 \pi^0 X$		
09:30~09:45	dJ1-05	劉宗哲	Measuring shower longitudinal profiles through Cherenkov radiations generated by NSRRC 1.5 GeV electron beam on aluminum targets		
09:45~10:00	dJ1-06	阮瑞祥	Cosmic Ray Interaction in Terrestrial Environment		

10:00~10:15	dJ1-07	梅賢豪	Q & A experiment to search for vacuum dichroism, pseudoscalar-photon interaction and millicharged fermions		
10:15~10:30	dJ1-08	路家棋	Studies of Ultra-violet Emissions in Single Bubble Sonoluminescence		
08:30~10:00	Session dJ2 : 中高能物理		2007 年 1 月 25 日(星期四)	侯書雲	管二館 107
08:30~08:45	dJ2-01	陳彥竹	Top charge measurement in CDF		
08:45~09:00	dJ2-02	楊毅 (AS)	Search for η_b at CDF, Fermilab		
09:00~09:15	dJ2-03	謝璨隆	Data production models for the CDF experiment		
09:15~09:30	dJ2-04	葉平	CMS Data Analysis on the Grid		
09:30~09:45	dJ2-05	郭家銘	The status of Taiwan-CMS tiers and the study of ZZ production with CMS at LHC		
09:45~10:00	dJ2-06	徐靜戈	The System Mother Board for CMS preshower detector		
08:30~10:30	Session dK0 : 天文/重力/宇宙學		2007 年 1 月 25 日(星期四)	游輝樟	管二館 109
08:30~08:45	dK0-01	莊師豪	The characteristics of hydromagnetic waves in self-gravitating rotating dusty plasmas		
08:45~09:00	dK0-02	余瑞斌	Fixed Mesh Refinement Applied to Black Hole Evolving Simulation		
09:00~09:15	dK0-03	Makoto Narita	Global properties of locally rotational symmetric Bianchi I spacetimes in the Einstein - Yang - Mills-dilaton system		
09:15~09:30	dK0-04	蘇樓來	The Energy of Bianchi Type I Universe in Teleparallel Gravity		
09:30~10:00	dK0-05 (invited)	James M. Nester	On the (quasi-) localization of gravitational energy		
10:00~10:15	dK0-06	D. G. Orlov	D-instanton on the linear dilaton background		
10:15~10:30	dK0-07	T. Vargas	Orbifolds, quantum cosmology and nontrivial topology		
大會演講					
11:30~12:30	PL3 演講人:	John R. Kirtley (IBM Watson Research Center, University of Twente, Enschede, and Stanford University)		齊正中	管二館 017
	講題:	Past, present, and prospects for superconducting π -rings			
12:30~13:30	PL4 演講人:	葉永烜 (中央大學)		張元翰	管二館 017
	講題:	The Lord of the Rings: Observations and Theories of the Rings of Saturn			
13:30~14:00	閉幕典禮	1. 頒獎(最佳壁報論文獎, 研究生最佳論文獎, 吳健雄獎) 2. 宣布 2008 年會主辦單位		李定國	管二館 017