

國家同步輻射研究中心 光束線使用時程 (SP8 Schedule for NSRRC Beamline)

期別：2019-3

期間：2019/09/01 ~ 12/31

總時段數: 198 shifts

光束線： SP8 SP12U1 U32 - Inelastic X-ray Scattering

發言人： Nozomu, Hiraoka

經理： 廖彥發  
Yoshimura, Masato

類別： 0：Proposal Evaluation Committee 1：Contract Beamline 2：Spokesperson 3：Beamline Maintenance & Study 6：Industrial Application 7：Directorate Discretion  
8：Training Course 10：Beamline Commission 11：National Project

時段數：時間單位，以用戶使用8小時為1時段計算

計畫領域： 01：Atomic and Molecular 02：Surface, Interface and Thin Films 03：Condensed Matter Physics 04：Materials Sciences  
05：Chemistry 06：Soft Matter 07：Protein Crystallography 08：Environmental and Earth Science  
09：Methodology and Instrumentation 10：Nanofabrication 11：Applied and Industrial Research 12：Others

SP8 SP12U1	計畫編號	計畫主持人	單位	類別	起始日期	結束日期	時段數	計畫領域	計畫名稱
SP8 SP12U1	2019-3-033-1	Sato, Hitoshi	Hiroshima University, Hiroshima Synchrotron Radiation Center	0	2019/09/30 10:00	2019/10/03 10:00	9	3	Valence transition in new Ce compound revealed by means of x-ray absorption and x-ray emission spectroscopy II
SP8 SP12U1	2019-2-178-9	Imura, Keiichiro	Nagoya Univ., Graduate School of Science	0	2019/10/03 10:00	2019/10/06 10:00	9	3	Study on valence instability and quantum criticality in mixed-valence quasicrystals and approximant crystals.
SP8 SP12U1	2019-3-004-1	Tsujii, Naohito	National Inst. for Materials Science (NIMS) - Sengen Site	0	2019/10/06 10:00	2019/10/10 10:00	12	4	Pressure-induced multi-quantum critical points in Yb compounds
SP8 SP12U1	2018-1-058-6	Prassides, Kosmas	Tohoku University, Advanced Institute for Materials Research (AIMR)	0	2019/10/10 10:00	2019/10/14 10:00	12	3	Mixed valence rare-earth fullerides at high pressure
SP8 SP12U1	2019-1-246-3	黃炳照	國立台灣科技大學化工系	0	2019/10/15 10:00	2019/10/18 10:00	9	4	Development of in Operando X-ray techniques for electrochemical energy conversion and storage materials
SP8 SP12U1	2018-1-267-6	陳浩銘	國立台灣大學化學系	0	2019/10/18 10:00	2019/10/21 10:00	9	2	in-situ high-resolution-fluorescence-detected X-ray absorption spectroscopy and RIXS to monitor the d-orbitals characters of electrocatalysts in liquid environment
SP8 SP12U1	2019-1-243-3	陳燦耀	國立清華大學工程及系統科學系	0	2019/10/21 10:00	2019/10/24 10:00	9	3	In-situ X-ray absorption / photoemission studies on plasma assisted CO2 conversion on heterogeneous metal-metal oxide catalysts
SP8 SP12U1	2019-2-044-2	杜昭宏	淡江大學物理系	0	2019/10/24 10:00	2019/10/28 10:00	12	3	Study of the magnetoelectric coupling in the Fe-based double-perovskite YBaCuFeO5
SP8 SP12U1	2019-2-261-2	崔古鼎	NSRRC	2	2019/10/29 10:00	2019/11/08 10:00	30	4	HAXPES studies on strongly correlated electron systems

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SP8 SP12U1	2018-1-267-6	陳浩銘	國立台灣大學化學系	0	2019/11/12 10:00	2019/11/15 10:00	9	2	in-situ high-resolution-fluorescence-detected X-ray absorption spectroscopy and RIXS to monitor the d-orbitals characters of electrocatalysts in liquid environment
SP8 SP12U1	2019-3-062-1	光源產業應用小組	NSRRC	6	2019/11/15 10:00	2019/11/17 10:00	6	11	Synchrotron study of semiconductor thin-film materials (VI-2)
SP8 SP12U1	2019-3-195-1	Chainani, Ashish Atma	NSRRC	0	2019/11/17 10:00	2019/11/19 10:00	6	3	HAXPES study of HgBa <sub>2</sub> CuO <sub>4+d</sub> (Hg-1201) and charge density wave transition in LaAuSb <sub>2</sub>
SP8 SP12U1	2018-3-245-4	黃榮俊	國立成功大學物理系	0	2019/11/19 10:00	2019/11/21 10:00	6	3	Probing bulk electronic structure to direct evidence room-temperature ferromagnetism in oxide-diluted magnetic semiconductor
SP8 SP12U1	2019-1-353-3	秦伊瑩	國立中正大學物理系	0	2019/11/21 10:00	2019/11/23 10:00	6	3	Investigation of the phase transitions in the A-site ordered double perovskites
SP8 SP12U1	2018-3-280-4	Ishii, Hirofumi	NSRRC	0	2019/11/23 10:00	2019/11/25 10:00	6	3	Size dependence of quasiparticle peak in Cr-doped V <sub>2</sub> O <sub>3</sub> nanocrystals
SP8 SP12U1	2018-3-100-4	曾院介	國立交通大學材料科學與工程系所	0	2019/11/26 10:00	2019/11/29 10:00	9	3	Probing pulse-voltage induced interface change in a hybrid metal/multiferroic structure
SP8 SP12U1	2019-1-425-3	崔古鼎	NSRRC	3	2019/11/29 10:00	2019/11/30 10:00	3	12	BL12XU side line and photoemission end station commissioning (V)
SP8 SP12U1	2019-2-163-2	胡芝瑋	國家中山科學研究院材料暨光電研究所	0	2019/11/30 10:00	2019/12/04 10:00	12	4	In Operando X-ray Raman Scattering Study on Electronic Structure Evolution of Si-based Anode Materials for Lithium-ion batteries
SP8 SP12U1	2019-2-082-2	Tse, John S.	University of Saskatchewan, Department of Physics & Engineering Physics	0	2019/12/04 10:00	2019/12/08 10:00	12	4	Local and electronic structure of ordinary and dense water
SP8 SP12U1	2019-3-043-1	Li, Kuo	北京高壓科學研究中心 (HPSTAR)	0	2019/12/08 10:00	2019/12/12 10:00	12	4	Potential Polynitrogen Structure cyclo-N <sub>4</sub> Synthesized under High Pressure

SP12U1 PEC: 159 Shifts (80.3%)

SPK: 30 Shifts (15.2%)

M&S: 3 Shifts (1.5%)

IA: 6 Shifts (3.0%)