

高亮度同步輻射光源於新穎材料開發與結構分析之研究契機
The emergent opportunity for structural analysis on novel materials
by high brilliance synchrotron light sources

Date: January 16 (Thu.), 2025

Venue: SC3001 (理學院 3F), NSYSU (國立中山大學)

Session A (09:00 – 10:35) Chair: Yu-Chun Chuang (莊裕鈞), NSRRC	
Time	Title / Speaker
09:00 - 09:05	Opening Remarks Der-Hsin Wei (魏德新), NSRRC
[A1] 09:05 - 09:30	My neutron scattering journey to quantum magnetic materials in Japan Hung-Cheng Wu (吳紘丞), NSYSU
[A2] 09:30 - 09:55	Crystal structure determination from powder X-ray diffraction data on the spin transition compounds I-Jui Hsu (許益瑞), NTUT
[A3] 09:55 - 10:10	Comprehensive structural insights from dual-space synchrotron high-resolution powder diffraction and pair distribution function analysis Yu-Chun Chuang (莊裕鈞), NSRRC
[A4] 10:10 - 10:35	Quantifying structure dynamics and distortions - Symmetry-adapted analysis and HRPD Wei-Tin Chen (陳威廷), NTU
10:35 - 10:50	Break (15 mins)
Session B (10:50 – 11:50) Chair: Tzu-Hung Chuang (莊子弘), NSRRC	
[B2] 10:50 - 11:15	Study of the electronic ordering of quantum materials using synchrotron X-ray scattering Chao-Hung Du (杜昭宏), TKU
[B3] 11:15 - 11:30	High-resolution X-ray scattering for probing the static and dynamic structure of matter Shih-Chang Weng (翁世璋), NSRRC
[B4] 11:30 - 11:45	Novel optical phenomena of GIXBD and its applications Mau-Tsu Tang (湯茂竹), NSRRC
11:45 – 11:50	Closing Remarks