

Poster program

Posters will be on display for the duration of the conference. Authors will be at their poster-board during tea/coffee breaks to discuss their research with interested delegates.

Poster board #	Poster title and author
P1	The Wave-packet Impact on Active and Sterile Neutrino Oscillations in Reactor Neutrino Experiments Steven (Chan-Fai) Wong, School of Physics, Sun Yat-Sen University.
P2	Leptoquark induced flavor changing decays of Z boson and top quark Sam Ming-Yin Wong* and Fanrong Xu, Jinan University.
P3	An apparatus for studying Feshbach resonance in ultracold 6Li degenerate Fermi gas Xiao Zhang, School of Physics and Astronomy, Sun Yat-Sen University.
P4	A New Magnetic Field system for Studying Narrow Feshbach of ultracold 6Li Fermi Gases Jianxiong Fang, School of Physics and Astronomy, Sun Yat-Sen University.
P5	Optical path design for trapping $^{171}\text{Yb}^+$ ions experiment Tishuo Wang, School of Physics and Astronomy, Sun Yat-Sen University.
P6	Frequency stabilization of 369 nm and 935 nm for trapping $^{171}\text{Yb}^+$ ions Jiangyong Hu, School of Physics and Astronomy, Sun Yat-Sen University.
P7	Ion traps in harmonic and anharmonic potential Xinxin Rao, School of Physics and Astronomy, Sun Yat-Sen University.
P8	Conductance Switch on Molecular Wheels Induced by Electric Field and Controlled by Molecular Rotation Xiaobo Li, Hong Kong Baptist University.
P9	Benzo[d]thiazol-3-ium contained red emitting probe for peroxynitrite sensing Jingyun Tan, University of Macau.
P10	Machine learning with quantum computation Long Hin Li, The University of Hong Kong.
P11	Solar vapor desalination of seawater Yangshi Jin*, Chu Leung Chan and Xuming Zhang, The Hong Kong Polytechnic University.
P12	Investigation on Tin-based anode materials for Na^+ ion battery by in-situ TEM Cheuk Ho Chan* and Ji-Yan Dai, The Hong Kong Polytechnic University.
P13	Hydrostatic pressure effect on T_c of $\text{Mo}_8\text{Ga}_{41}$ up to 72 kbar Wei Zhang ^{1,*} , King Yau Yip ¹ , Yuet Ching Chan ¹ , Chia Nung Kuo ² , Chin Shan Lue ² , Kwing To Lai ¹ , and Swee Kuan Goh ¹ 1. The Chinese University of Hong Kong 2. National Cheng Kung University
P14	Formation and Coalescence of Binary Black Holes in Active Galactic Nuclei: I - Capture of Nuclear Cluster Stars by Accretion Disks Xiaojia Zhang ^{1,*} , Zhuoxiao Wang ² , Douglas N. C. Lin ^{2,3,4} , and Shude Mao ^{2,4,5} 1. The University of Hong Kong 2. Tsinghua University 3. University of California, Santa Cruz 4. National Astronomical Observatories of China 5. University of Manchester

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P15	Bose Polarons in the Heteronuclear Bose-Bose Mixture Lintao Li*, Zhichao Guo and Dajun Wang, The Chinese University of Hong Kong.
P16	Realistic implementation of all-photonic quantum repeater Ming Lai Chan, The University of Hong Kong.
P17	Quantum droplet in a mixture of Rb-Na Bose-Einstein condensates Zhichao Guo*, Lintao Li and Dajun Wang, The Chinese University of Hong Kong.
P18	Exploration of the Energetic Material Ammonium Perchlorate at high pressures: Combined Raman Spectroscopy and X-ray Diffraction Study Lei Kang and Qingguang Zeng, Wuyi University.
P19	The scattering mechanism of ZnSnN₂ Xing-Min Cai, Bo Wang and Fan Ye, Shenzhen University.
P20	MRT OBSERVATIONS ON H₂12CO AND H₂13CO TOWARD GALACTIC MOLECULAR CLOUDS Yaoting Yan, Jiangshui Zhang and Christian Henkel, Guangzhou University.
P21	Resolution criterion based on the nth-order derivative of the image that exceed the sparrow criterion Yanming Gao and Xiangyang Yu, Sun Yat-Sen University.
P22	Imaging through a thin scattering layer by wavelength-depth-matching method Junpeng Xie, Sun Yat-Sen University.
P23	Zero-Reflection effect Based on Graphene-dielectric Metamaterials Wenyao Liang, South China University of Technology.
P24	From Equilibrium to Wave Turbulence by Shaking in Holographic Superfluid Shanquan Lan, Hong Liu, Yu Tian and Hongbao Zhang, Lingnan Normal University.
P25	Joule-Thomson expansion of d-dimensional charged AdS black holes Jie-Xiong Mo*, Gu-Qiang Li, Shan-Quan Lan and Xiao-Bao Xu, Lingnan Normal University.
P26	Photocatalytic properties of Bi₂O₃/Bi₂VO_{5.5} laminated composite films Wei Xie, Changwei Zou and Guiang Liu, Lingnan Normal University.
P27	Extraction of cluster ion beams and application in synthesis of few-layer graphene on Ni/SiO₂/Si substrate Zesong Wang, Rui Zhang, Canxin Tian, Changwei Zou and Dejun Fu, Lingnan Normal University.
P28	Synthesis and Microwave Absorption Enhancement of Yolk-Shell Carbon Microspheres Chunhua Tian and Jun Quan*, Lingnan Normal University.
P29	Chaoticons in highly nonlocal nonlinear optical media Lanhua Zhong, Lingnan Normal University.
P30	Microscopic piezoelectric theory of symmetry-broken sp²-bonded hexagonal 2D crystals Zongtan Wang, Yunhua Wang,* Jie Tan, Yulan Liu, and Biao Wang,* Sun Yat-Sen University
P31	High-sensitivity topological insulator strain sensor Lingzhi Li, Yunhua Wang,* Zongtan Wang, Yulan Liu, and Biao Wang,* Sun Yat-Sen University
P32	Measurement of microwave-induced strain in a metallic parallel-plate cavity M. Wang ^{1,2} , S. Wang ² , Q. Zhang ^{1,2} , C.T. Chan ² , H.B. Chan ¹ ¹ Department of Physics, The Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong ² William Mong Institute of Nano Science and Technology, The Hong Kong University of Science and Technology, Clear Water Bay, Hong Kong, China
P33	Searching for Soft Pulsars with the Fermi Large Area Telescope Brent Limyansky and P. M. Saz Parkinson, The University of Hong Kong
P34	THE CONNECTION BETWEEN THERMAL AND NON-THERMAL EMISSION IN GAMMA-RAY BURSTS: THERMAL COMPONENT IS UBIQUITOUS FOR THE PROMPT EMISSION PROCESS Jing Lv, Guangxi University