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	**Overview of Reactor Neutrino Experiment** 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 $^{171}Yb^{+}$ ions experiment** Tishuo Wang, School of Physics and Astronomy, Sun Yat-Sen University.
P6	**Frequency stabilization of 369 nm and 935 nm for trapping $^{171}Yb^{+}$ 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 Mo_8Ga_{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 $ZnSnN_2$** 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 $Bi_2O_3/Bi_2VO_{5.5}$ 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 $Ni/SiO_2/Si$ 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 sp^2-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