

IoP Summer Student Final Presentation Poster Exhibition

| | Presenter | PI | In-Person Presentation on August 30 | | Presentation Topic | |
|----|--------------------------|-----|-------------------------------------|--|--|-----|
| | | | Attendance | Duration | | |
| 1 | 楊長茂 | 吳孟儒 | v | 10:00-12:00 | Investigating an analytic model for neutrino light curves of core-collapse supernovae | |
| 2 | 吳軒宇 | | v | | Using machine learning to detect fast flavor instability for neutrino | |
| 3 | 陳戎祿 | 張元翰 | v | | Numerical Study of Noise and Signals in the Axion Detection Chain | |
| 4 | 羅義方 | 林耿慧 | v | 13:30-15:30 | Identifying Rigidity Transition in Epithelial Cell Sheet | |
| 5 | 尤淇 | 施宏燕 | v | | Biofilms | |
| 6 | Cassandra Marguerit Cruz | 蔡日強 | v | | Defining a Quaking Event in a Time Series | |
| 7 | 梁筑庭 | | v | | A Quick Pipeline to Characterize Tribology for Large Number of Particles in Granular Experiments | |
| 8 | 楊桂昱 | | v | | Stick slips of capsule-like particles in steady shearing | |
| 9 | 簡存泰 | 李尚凡 | v | | 10:00-12:00 | TBD |
| 10 | 何惠惠 | | v | FMR | | |
| 11 | 許皓棠 | | NO(PI Approval) | TBD | | |
| 12 | 朱芷彤 | | NO(Group/ PI Approval) | | | TBD |
| | 陳沛芸 | | | | | |
| 13 | 林宇恒 | 李偉立 | v | Description of MBE,RHEED, and LEED, through CuO & Cu2O film growth | | |
| 14 | 吳侑恩 | 林新 | v | Neural Networks for Impurity Detection and Classification in STM Imaging | | |
| 15 | 林佑庭 | | v | Electronic Band Structures Calculations based on Tight Binding Method and Its Applications | | |
| 16 | Ng Jun Wen | | NO(PI Approval) | The Use of First Principle Calculation for investigation on 2D Ferromagnetic materials | | |
| 17 | 林馳耘 | | v | TBD (optoelectronics相關) | | |
| 18 | 林方明 | | v | TBD | | |
| 19 | 黃紹緯 | | v | TBD | | |
| 20 | 陳庭語 | | NO(PI Approval) | Topological insulator | | |
| 21 | 石佳文 | | v | TBD | | |
| 22 | 包廷暉 | | v | TBD | | |
| 23 | 黃意傑 | | v | Calculating Thermal Conductivity from Lattice Dynamics to Molecular Dynamics via Deep Learning Model | | |
| 24 | 王昊謙 | 徐晨軒 | v | Effects of proximity-induced perturbations on network in twisted bilayer graphen | | |
| 25 | 王裕朋 | | v | TBD | | |
| 26 | 賴昱仁 | | v | Tunneling between two parallel nanowires in SOC system | | |
| 27 | 郭冠麟 | | v | | Charge density and its characteristic in quasi one dimensional system | |
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| 28 | 呂鎮豪 | 柯忠廷 | v | 13:30-15:30 | Tri-layers sample stacking |
| 29 | 趙建揚 | | v | | Study hBN/graphene heterostructure with pre-etching technic. |
| | 何隆貴 | | v(group) | | PCB And Resonator Measurement Using VNA in cryogenic system |
| 30 | 曾健丞 | | v | | 2D material-hBN/Graphene flipped |
| 31 | 林芳綺 | | v | | Study for Exfoliation and Dry Transfer Techniques for 2D Materials |
| 32 | 劉達 | | v | | STM study of Antiferromagnetic Topological Dirac Nodal Line Semimetal GdSbTe |
| 33 | 陳羚壹 | 莊天明 | v | | Determine the electronic structure in k-space with quasi-particle interference |
| 34 | 彭浩哲 | | v | | Large-Area Graphene Transfer Method and Surface Cleaning Technology |
| 35 | 吳俊霆 | 黃英碩 | v | | TBD |
| 36 | 蘇育平 | 溫昱傑 | v | | TBD |
| 37 | 黃聿睿 | | v | | TBD |
| 38 | 蔡柏彥 | | v | | Raman spectroscopy of Lutetium hydride at high pressures |
| 39 | 胡凱翔 | 歐敏男 | v | | 新穎超導材料的結構分析與電性量測 |
| 40 | 葉雅君 | | v(group) | | |
| | | 周亭妤 | | | |

****Remark: Presentation Topic finalize by August 24.**

update: 8/18