

## 112-1 Seminar Speaker List of Physics Department

| Date                     | Speaker                                               | Organization                                                                               | Subject                                                                                                                                        |
|--------------------------|-------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 112.9.7<br>14:10~15:00   | 開學週                                                   |                                                                                            |                                                                                                                                                |
| 112.9.14<br>14:10~15:00  | 周瑟芬 博士候選人<br>Susaianmal Arokiasamy<br>Ph.D. candidate | 國立中山大學物理學系<br>Department of Physics, NSYSU                                                 | First-principles study on the topology of two-dimensional AB <sub>2</sub> O <sub>3</sub> materials                                             |
| 112.9.21<br>14:10~15:00  | 安瑟托 博士候選人<br>Ancieto Maghirang<br>Ph.D. candidate     | 國立中山大學物理學系<br>Department of Physics, NSYSU                                                 |                                                                                                                                                |
| 112.9.21<br>15:10~16:00  | 艾希諾 博士候選人<br>Paul Albert Sino<br>Ph.D. candidate      | 國立中山大學物理學系<br>Department of Physics, NSYSU                                                 | Vertical Plasma-Assisted Selenization Process Toward High-Yield and Wafer-Scale Production of Monolayer Janus Transition Metal Dichalcogenides |
| 112.9.28<br>14:10~15:00  | 古煥宇 助理教授<br>Prof. Huan-Yu Ku                          | 國立臺灣師範大學物理學系<br>Department of Physics<br>National Taiwan Normal University                 | Quantum Amplifiers: Classification, Manipulation, Distillation, and Application of Quantum Steerability                                        |
| 112.9.28<br>15:00~16:00  | 劉軼 教授<br>Prof. Yi Liu                                 | 上海大學材料基因組工程研究院<br>Materials Genome Institute,<br>Shanghai University                       | AI-assisted high-throughput experimental alloy design                                                                                          |
| 112.10.12<br>14:10~15:00 | 張凱鈞 博士候選人<br>Kai-Chun Chang<br>Ph.D. candidate        | 國立中山大學物理學系<br>Department of Physics, NSYSU                                                 | Analysis of Electrical Characteristics and Leakage Mechanism on p-GaN High Electron Mobility Transistors                                       |
| 112.10.12<br>15:00~16:00 | 洪瑋駿 博士候選人<br>Wei-Chun Hung<br>Ph.D. candidate         | 國立中山大學物理學系<br>Department of Physics, NSYSU                                                 | Investigation on Electrical Analysis and Reliability Issues in Laterally Diffused Metal Oxide Semiconductor                                    |
| 112.10.19<br>14:10~15:00 | 陳建傑 博士候選人<br>Jian-Jie Chen<br>Ph.D. candidate         | 國立中山大學物理學系<br>Department of Physics, NSYSU                                                 | Electrical Analysis and Reliability Study of Thin-Film Transistors Based on Low-Temperature Polycrystalline Silicon Materials                  |
| 112.10.26<br>14:10~15:00 | 李華白 副教授<br>Prof. Hua-Bai Li                           | 香港中文大學物理系<br>Department of Physics,<br>Chinese University of Hong Kong                     | Why is Star Formation so Hard to Understand?                                                                                                   |
| 112.11.2<br>14:10~15:00  | Prof. Toshifumi Futamase                              | Astronomical Institute,<br>Tohoku University                                               | A possible interpretation of the Hubble tension by global inhomogeneity in the universe                                                        |
| 112.11.16<br>14:20~15:10 | 沈家賢 助理教授<br>Prof. Chia-Hsien Shen                     | 國立台灣大學物理系<br>Department of Physics,<br>National Taiwan University                          | Particle Physics Tools for Gravitational Waves                                                                                                 |
| 112.11.23<br>14:20~15:10 | Dr. Martin Spinrath                                   | 國立清華大學物理系<br>Department of Physics,<br>National Tsing-Hua University                       | Dark Matter Searches in Gravitational Wave Detectors                                                                                           |
| 112.11.23<br>15:20~16:10 | Prof. Atsushi Yabushita                               | 國立陽明交通大學電子物理系<br>Department of electrophysics,<br>National Yang Ming Chiao Tung University | Initial reaction mechanism of a red fluorescent protein visualized by ultrashort visible pulse laser                                           |
| 112.11.30<br>14:20~15:10 | 李悅寧 副教授<br>Prof. Yueh-Ning Lee                        | 國立臺灣師範大學地球科學系<br>Department of Earth Science,<br>National Taiwan Normal University         | Non-ideal MHD and the protoplanetary disk size                                                                                                 |
| 112.12.7<br>14:10~15:00  | 董崇禮 教授<br>Prof. Chung-Li Dong                         | 淡江大學物理系<br>Department of Physics,<br>Tamkang University                                    | X-ray spectroscopy for energy science                                                                                                          |
| 112.12.14<br>14:20~15:10 | Prof. 戴鵬程                                             | Department of Physics and Astronomy,<br>Rice University                                    | Emergent photons and fractionalized excitations in a quantum spin liquid                                                                       |
| 112.12.21<br>14:10~15:00 | Final Exam                                            |                                                                                            |                                                                                                                                                |
| 112.12.28<br>14:10~15:00 | 彈性學習週                                                 |                                                                                            |                                                                                                                                                |
| 113.1.4<br>14:10~15:00   | 彈性學習週                                                 |                                                                                            |                                                                                                                                                |