



理論物理 論壇

THEORETICAL
PHYSICS
SYMPOSIUM

(I) & (II)

2022 台灣物理年會
Annual Meeting of the Physical Society of Taiwan

JANUARY 25
2022
9:00-10:30
13:30-15:00

理學院大樓
E101
COLLEGE OF
SCIENCE
BLDG. E101

phys.ncts.ntu.edu.tw

MORNING SESSION
9:00 - 10:30

*Chair: Feng-Chuan Chuang
(NSYSU)*

9:00 - 9:30

Min-Kai Lin (IAA-AS)

"Modern challenges and hopes for planet formation"

9:30 - 9:50

Jeng-Da Chai (NTU)

"TAO-DFT and Its Applications to Nanomaterials with Radical Nature"

9:50 - 10:10

Jhih-Shih You (NTNU)

"Supermetal-insulator transition in a non-Hermitian network model"

10:10 - 10:30

Guang-Yu Guo (NTU)

"Introduction to NCTS-Physics"

AFTERNOON SESSION
13:30 - 15:00

Chair: Guang-Yu Guo (NTU)

13:30 - 14:00

Yu-tin Huang (NTU)

"The gravitational S-matrix"

14:00 - 14:20

Meng-Ru Wu (IOP-AS)

"Supernovae as astrophysical laboratories for fundamental physics"

14:20 - 14:40

Yueh-Nan Chen (NCKU)

"Performance of quantum state transfer on IBM-Q, Ion-Q, and QuTech devices"

14:40 - 15:00

Yang-Hao Chan (IAMS-AS)

"Exciton-phonon dephasing and linewidth from first-principles in monolayer MoS₂"