



Hua&Wu Retreat 2023



Organizer: Huajun Qin and Rui Xiong

Place: D505, School of Physics and Technology, Wuhan University

Date: 2024.1.26 – 2024.1.27

Date: 2024.1.26 9:30 – 18:20

Topic 1: Quantum Magnonics

Chairman: 葛旭

9:30 - 10:10	叶茜茵	Damping-Enhanced Magnon Transmission
10:10 - 10:50	周熙涵	Magnon Thermal Rectifier by Superconductor Meissner Screening
10:50 - 11:30	张祖标	Routing Magnon Entanglement on Extended Films
11:30 - 12:10	佟笑宇	Brainstorm - Single Magnon Excitation and Manipulation

12:10 - 14:00 Lunch

Topic 2: Magnonic Devices

Chairman: 王祎帆

14:00 – 14:40	葛旭	Nanoscale magnon transistor based on stimulated three-magnon splitting
14:40 - 15:20	郭梦莹 郭雪玉	Dynamic magnonic crystal BLS for FVMSW measurements
15:20 - 16:00	蔡成渊	Spin Radiation of Electrons and Excitons

16:00 – 16:20 Coffee break

Chairman: 叶茜茵

16:20 - 17:00	王祎帆	Nanoscale spin-wave routing in hybrid magnonic waveguides
17:00 - 17:40	闫玮植	Microwave pumping of propagating spin waves in a YIG film and magnonic crystal
17:40 - 18:20	邱卓伦	Exceptional Nodal Magnon-Photon Polariton under Ultrastrong Coupling

18:40 – 21:00 Buffet

Date: 2024.1.27 9:30 – 12:10

Topic 3: Magnonic Materials

Chairman: 张振华

09:30 - 10:10	张振华	Predicting large spin-splitting current in half-metallic CrXO ₄ (X=V, Ti, Ru) system
10:10 - 10:50	李荣鑫	The intense THz-emission of epitaxial A1-FePt without external field
10:50 - 11:30	袁晓娟	Low Gilbert damping in Fe(MnxRh1-x) films
11:30 - 12:10	黎其丰	High spin Hall angle and the enhancement of spin mixed conductance in epitaxial ordered MnRh film

Closing Remarks (Prof. Xiong Rui)

12:30 – 14:00 Lunch

15:30 – 18:30 Skating and Skiing