



清华大学  
Tsinghua University

# 高研20周年 系列学术活动

清华大学高等研究院  
科学馆104室



## 物理学前沿系列报告会

**July 3, 2017**

9:30 am-10:30 am

何天伦 (Ohio State/清华高研院)  
Some New Directions in Cold Atom Research

11:00 am-12:00 pm

翁征宇 (清华高研院)  
Understanding high-Tc superconductivity by doping Mott insulator

**July 5, 2017**

9:30 am-10:30 am

周琦 (Purdue)  
Interaction effects on monopoles

11:00 am-12:00 pm

顾颖飞 (Stanford)  
The butterfly effect in solvable quantum many-body systems

2:00 pm-3:00 pm

白雪宁 (清华高研院)  
A Microphysical Overview of Cosmic-ray Acceleration and Feedback

**July 4, 2017**

9:30 am-10:30 am

陈谐 (Caltech)  
Fracton topological order

11:00 am-12:00 pm

王晴睿 (香港中文大学)  
Construction and classification of 3+1D symmetry protected topological phases for fermions

**July 7, 2017**

9:30 am-10:30 am

周毅 (浙江大学)  
Exact solution for the interacting Kitaev chain at the symmetric point

11:00 am-12:00 pm

聂莱莓 (Stanford)  
Orders and disorder in high-temperature superconductors

**July 8, 2017**

9:30 am-10:30 am

许岑珂 (UCSB/清华高研院)  
Duality between 2+1d quantum critical points

11:00 am-12:00 pm

姚宏 (清华高研院)  
Emergent spacetime supersymmetry in Dirac and Weyl semimetals