

WQC 维尔切克量子中心

CHIEF SCIENTIST: FRANK WILCZEK

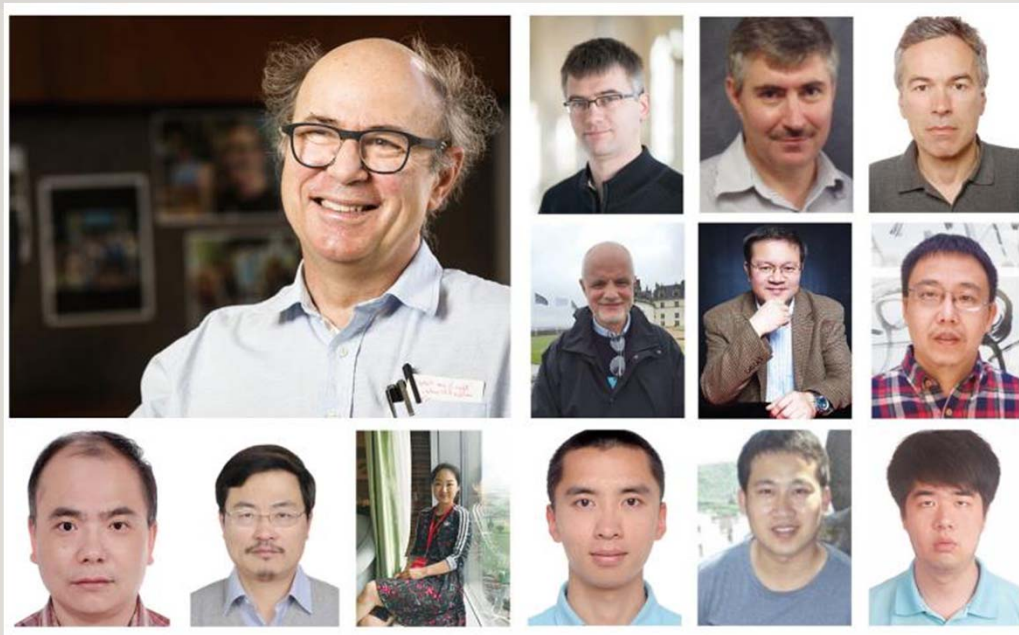
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OUR PEOPLE



ABOUT WQC

- 维尔切克量子中心在2014年创始于杭州，2017年夏季正式加盟上海交通大学，成立为新的理论物理研究中心。该中心依托物理与天文学院，并得到李政道研究所的大力支持，定位为世界一流的理论物理研究中心。目前，维尔切克量子中心已有正教授4人，国家外专局高端外国专家4名，其中诺贝尔物理学奖得主1人，芬兰皇家科学院院士1人，国家千人计划专家1人。计划引进15名左右国家青年千人或以上级别专家。Wilczek量子中心的目标任务是从事量子物理的前沿研究，建设世界一流的理论物理研究中心，提升上海物理学科的国际显示度和知名度。
- Wilczek Quantum Center (WQC), initially founded at Hangzhou in 2014, moved to SJTU to become a new center for theoretical physics in Summer 2017. WQC is a unit of School of Physics & Astronomy, and has a strong connection with Tsung-Dao Lee Institute (TDLI). Currently, WQC has 13 faculty members, including the Chief Scientist (Frank Wilczek), 4 full professors, 4 associate members, and 4 foreign adjunct professors. The research areas of WQC include theory of quantum matter, quantum optics, quantum information, and statistical physics. WQC is striving to become a world class theoretical quantum physics center with top-level reputation.

REPRESENTATIVE ACHIEVEMENTS

- 时间晶体在冷原子模型系统中的实现
- Progress on Time Crystals: Models and Realizations in Cold Atoms
- Physical Review Letters 120, 110603 (2018)

Wilczek Quantum Center

Progress on Time Crystals: Models and Realizations in Cold Atoms

B. Huang, Y. H. Wu, WVL, *Phys. Rev. Lett.* 120, 110603 (2018)

