

NOTICE

Quantum entanglement, a defining concept in quantum mechanics, is becoming a bridge between quantum physics and high-energy physics. As particle physics, high-energy experimental precision and quantum information science advance, investigating the generation, evolution, and detection of entangled states of high-energy particles has become an attractive topic in particle physics and high-energy experiments. WQC, a global forefront platform for quantum physics research and cross-disciplinary collaboration, positions this workshop as a key venue for academic exchange and partnership.

Organizer: Afik, Yoav (Chicago/CERN)
Shi, Yu (WQC/USTC)

Dates: July 18 - July 23, 2025

Location: Wilczek Quantum Center (Shanghai Institute for Advanced Studies, 99 Xiupu Road, Shanghai)

Advisors:

Chen, Yuao (USTC)
Di Domenico, Antonio (Roma/Frascati)
Han, Tao (Pittsburgh)
Liu, W. Vincent (Pittsburgh)
Luo, Mingxing (CSRC)
Ma, Yugang (Fudan)
Munoz, Juan Ramon (Madrid)
Niemi, Antti (WQC/SU)
Pan, Jianwei (USTC)
Wu, Biao (WQC/PKU)
Wu, Yongshi (Fudan/Utah)
Wu, Yueliang (UCAS/ITP)
Zhao, Zhengguo (USTC)
Zou, Binsong (Tsinghua)

Confirmed Invited Speakers (A-Z):

Afik, Yoav (Chicago/CERN)
Blason, Massimo (Salerno)
Cao, Qinghong (PKU)
Demina, Regina (Rochester)
Di Domenico, Antonio (Roma/Frascati)
Han, Tao (Pittsburgh)
Hiesmayr, Beatrix (Wien)
Jones, Eleanor (DESY/CERN)
Jung, Andreas (Purdue)

Korn, Steffen (Göttingen)
 Lagouri, Theodora (CERN)
 Li, Haibo (IHEP)
 Li, Qiang (PKU)
 Mavromatos, Nikolaos (KCL)
 Mitsou, Vasiliki (Valencia/CERN)
 Muñoz, Juan Ramon (Madrid)
 Pan, Jianwei (USTC)
 Ravina, Baptiste (CERN)
 Shi, Yu (WQC/USTC)
 Wang, Liantao (Chicago)
 Wang, Qun (USTC)
 Wilczek, Frank (WQC/MIT)
 Wu, Yueliang (UCAS/ITP)
 Xing, Zhizhong (IHEP)
 (more to be listed)

Topic:

Quantum entanglement in mesons, quarks and other high energy particles.

Agenda:

- July 18: Arrival
- July 19-July 23: Presentations

Advisors and Invited Speakers	Registration fees are waived, and all expenses are covered
Other participants	Registration fee: 2000 CNY Self-arranged accommodation

Hotel:

ATOUR Hotel, Xiuyan Road, Shanghai International Tourist Resort
 No. 3001, Hunan Highway, Pudong New Area, Shanghai

Contact:

Li, Chengcheng : lichengcheng@ustc.edu.cn
 Shi,Yu: yu_shi@ustc.edu.cn

