

Proposal to host NuFact2026

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On behalf of the Nuclear and Particle Physics Group at
Shanghai Jiao Tong University



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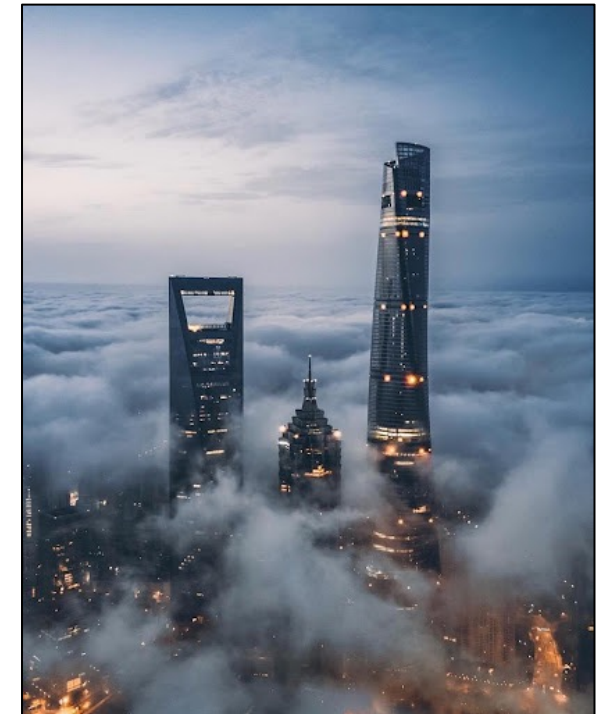
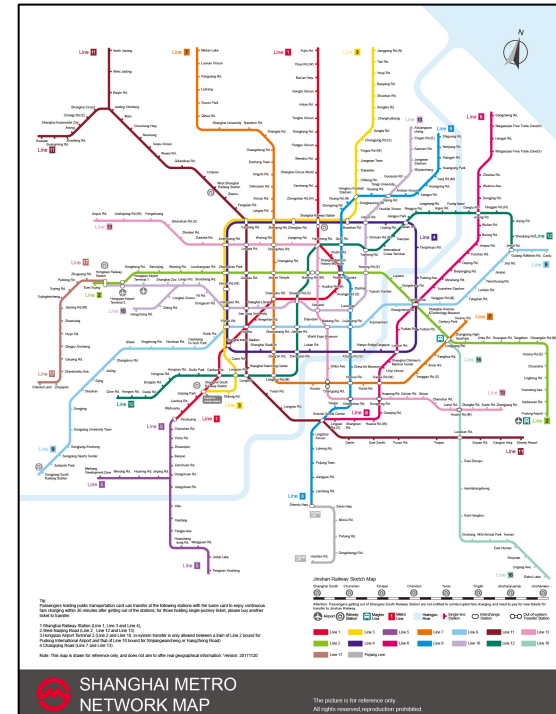


SJTUPA
上海交通大学物理与天文学院

Shanghai, China



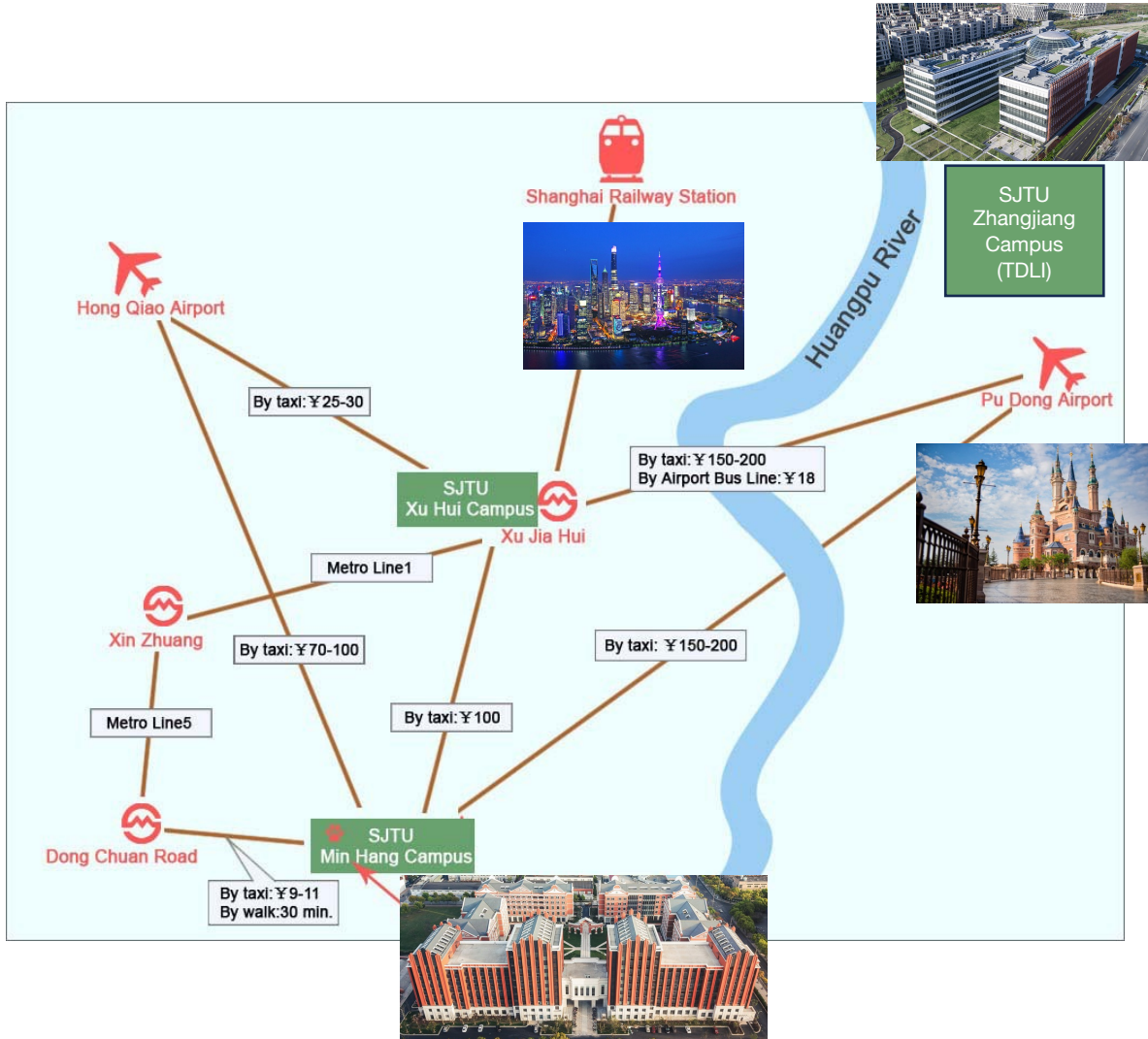
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Shanghai (上海) - Financial Center and Transportation Hub of China

- 6,341 km² (2,448 sq mi), ~ 25 million permanent residents
- Two international airports (Pudong, Hongqiao)
- Three major high-speed railway stations, 831-km long metro network (world #2)
- Affordable RideShare (Didi, Meituan), cost = 0.4 USD/km

Ground Transportation



- **Pudong Airport → Minhang:**
 - ▣ 50 km, 40-min by taxi (~25 USD)
 - ▣ 1.5 hours by subway and bus (1.5 USD)
- **Pudong Airport → Downtown:**
 - ▣ 35 km, 50-min by taxi (~25 USD)
 - ▣ 1.5 hours by subway and bus (1 USD)
- **Pudong Airport → Zhangjiang:**
 - ▣ 25 km, 25-min by taxi (~12 USD)
 - ▣ 1.5 hours by subway and bus (1 USD)

- **A comprehensive, research-oriented university established in 1896**

- 7 campuses, 36 colleges and departments
- ~36,000 students, ~2,800 faculty
- Minhang and Zhangjiang campuses for physics research

- **Candidate conference venue with large auditoriums**

- On-site Minhang Campus/Pudong TDLI Campus
- Large hotel auditorium in downtown Shanghai



Tsung-Dao Lee Auditorium



Science Buildings, Minhang Campus



Tsung-Dao Lee Library



Tsung-Dao Lee Institute

High Energy Physics @ SJTU



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INPAC @ 5th Science Building



<https://inpac.physics.sjtu.edu.cn/>

School of Physics and Astronomy (1928 -)
Institute of Nuclear and Particle Physics (2009 -)
Particle Division, Tsung-Dao Lee Institute (2016 -)



PD @ Tsung-Dao Lee Institute



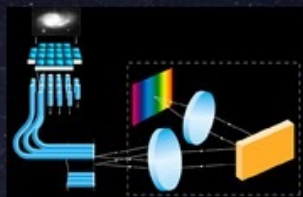
Tsung-Dao Lee Library



<https://tdli.sjtu.edu.cn/EN>

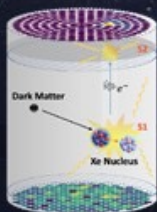
Big Science Facilities

EXPLORE
THE LIMITS OF NATURE



JUST Spectroscopic Telescope at Lenghu, Qinghai

- 4.4m diameter, dual focus located **4400m above sea level**
- Best seeing conditions world-wide
- Search dark universe, find habitable planets



PANDAX Dark Matter and Neutrino Detector at Jinping, Sichuan

- Tens of Tonnes scale PandaX liquid xenon detector
- The deepest international underground laboratory with a depth of **2400m**
- Dark matter and neutrino detection at extremely low background

Experimental Platforms at TDU

- Experimental Platform for Laboratory Astrophysics
- Experimental Platform for Topological Materials
- Supporting Platform of Large-scale Scientific Computing

Tropical DEep-sea Neutrino Telescope (TRIDENT) at South China Sea

- 4km*4km*0.5km Cherenkov Telescope Array at **3500m** depth
- Capturing high-energy cosmic neutrinos using full-sensitivity survey telescope
- Exploring the origin and fundamental laws of cosmic rays in extreme astronomical environments



ADVANCE
THE FRONTIERS OF KNOWLEDGE

Strong and Diverse HEP group



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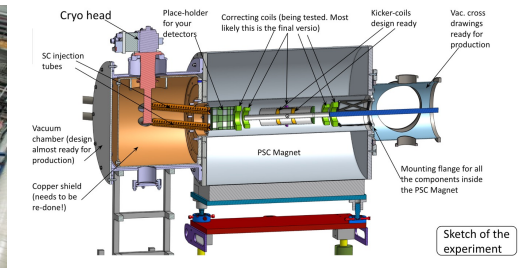
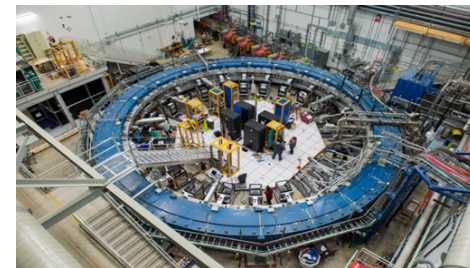
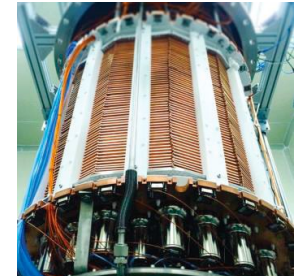
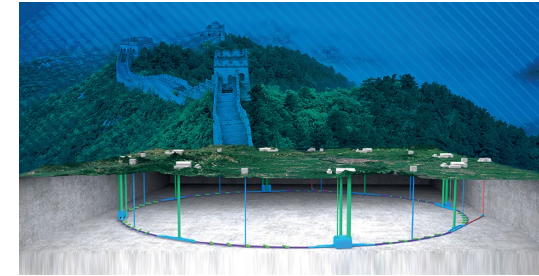
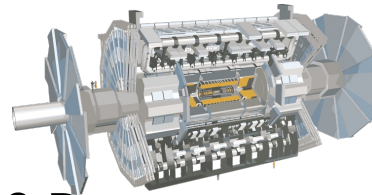
• Underground Experiments

- **PandaX**: search for Dark Matter with Xenon TPC
- **Daya Bay** and **JUNO**: Neutrino oscillation physics
- **PandaX-III** & **CUORE**: Neutrinoless double beta decay
- **TRIDENT**: Neutrino Telescope for various physics



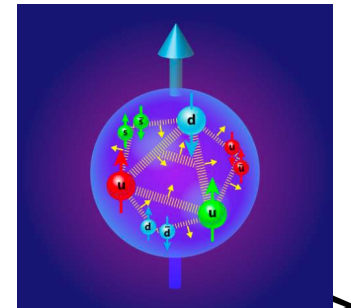
• Accelerator-based Experiments

- **ATLAS**: Higgs, BSM, SM, Top
- **CEPC**: Higgs Physics and Detector R&D
- **Muon g-2/EDM**: Fermilab, PSI, and J-PARC
- **Dark SHINE**: Future Experiment R&D
- **SHINE Muon Source** and **Muography**



• Particle Theory

- Phenomenology on **high-energy colliders**, **neutrino** properties, **flavor** physics, **dark matter**, and **dark energy**



Accommodation



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On-campus hotel: ~ 65 USD/night (500 m to SJTU Minhang Campus)
Everbright International Hotel: ~ 75 USD/night (downtown)
Ji Hotel: ~ 65 USD/night (500 m to Zhangjiang TDLI Campus)



Local Organization



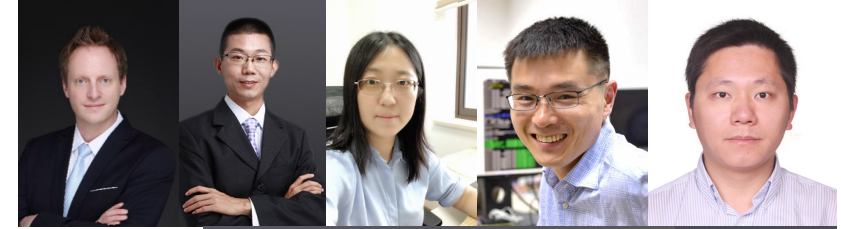
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上海交通大学物理与天文学院

• Local Organization Committee

- Experimentalists: **Kim Siang KHAW**, Liang LI, Xin XIANG, Hualin MEI, Junting HUANG, Donglian XU, Yue MENG, Jianglai LIU, Ke HAN, Yong YANG, Ning ZHOU
- Theorists: Xiaogang HE, Shaofeng GE, Yuichiro NAKAI



• Scientific Secretary

- Wen WANG, Zi YANG, Gang HE, Fangying QIU

• Conference Hosting Experience

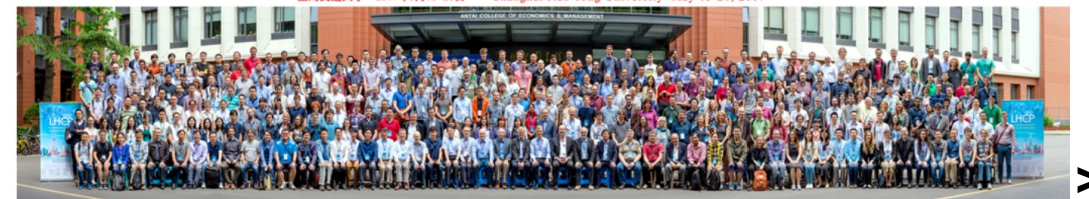
- LHCP2017, CEPCWS2020, MBI 2022, MIP 2023, CLHCP2023, Texas Symposium 2023



The 5th Annual Conference on Large Hadron Collider Physics (LHCP)
上海交通大学 2017年5月15-20日 Shanghai Jiao Tong University May 15-20, 2017

• Registration fee

- 350/500 USD (early bird/late)
- Supports for early career scientists



Plenty of sightseeing options



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With family? Love history?



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Guangfulin (广富林)
5000 years old archaeological site



Zhujiajiao (朱家角) Ancient Town



Yu Garden (豫园)



Shanghai World Expo



Shanghai Disneyland



Shanghai Astronomy Museum < 11 >

Regional Cuisines



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*Hope to see you
all in Shanghai
for NuFact 2026!*

