



Tsung-Dao Lee Institute

800 DONGCHUANG ROAD, SHANGHAI 200240, THE PEOPLES REPUBLIC OF CHINA

T.D. Lee Postdoctoral Research Fellowship (ATLAS)

The **Trung-Dao Lee Institute (TDLI)** in Shanghai, China invites applications for **T.D. Lee postdoctoral research fellow positions** in the areas of experimental and theoretical particle physics. We welcome highly motivated and top-rated applicants who have obtained a Ph.D. degree or who are expecting one prior to starting the position, in nuclear physics, particle physics, or a related field. The initial appointment is for 2 years with possible renewal for a third year. TDLI offers competitive salary commensurate with qualifications and subsidized housing options through the university.

The appointee can choose to work on the following areas: **theoretical particle physics, collider physics (eg. ATLAS, BES-III, future collider and detector R&D), the PandaX xenon-based dark matter experiment, the PandaX-III high pressure gas ^{136}Xe neutrinoless double-beta decay experiment, and the JUNO reactor neutrino experiment.** Prior hardware experience with **muon spectrometer, noble liquid/gas detectors, liquid scintillator detectors, high granularity calorimeters will be advantageous.** For LHC experiment applicants, there are good opportunities to be based at CERN if mutual agreements can be reached.

TDLI is a newly established prestigious national research institute in China, initiated by Prof. Tsung-Dao Lee (University Professor Emeritus at Columbia Univ., USA; Nobel Prize in Physics 1957, Albert Einstein Award 1957), directly approved by China's Central Government, co-funded by Ministry of Science and Technology, the Ministry of Education, the Municipal Government of Shanghai and National Science Foundation of China. Shanghai Jiao Tong University is retained and approved by the government to operate the new Institute as its contractor and trustee. The official



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director of the institute is Prof. Frank Wilczek (Professor of MIT, USA; Nobel Prize in Physics 2004) and the executive director is Prof. Xiangdong Ji (Professor of Univ. of Maryland and Shanghai Jiaotong Univ.; APS fellow 2000, Herman Feshbach Prize 2016) supporting world-class fundamental physics research in high energy physics, astrophysics and quantum physics. **English is the working language at the institute. TDLI has an international working environment and provides diversified culture experiences. Non-Chinese-speaking candidates are highly encouraged to apply.**

TDLI aims for establishing a top-notch physics research institute that is similar to the Niels Bohr Institute at Copenhagen and Institute of Advanced Studies at Princeton. The central government has strongly committed to this endeavor. The Institute aims to undertake three basic missions: 1) provides a platform to foster academic training, exchange, and collaborations for worldwide physicists; 2) hosts cutting-edge research programs on most fundamental questions in particle physics, cosmology and quantum physics with potential expansion to include other related areas such as the application of quantum mechanics to bioprocesses; 3) actively engages in general public science education.

Applicants should submit a CV, a brief research statement, a list of publications and at least three letters of recommendation to:

Prof. Shu LI (shuli@phy.duke.edu)

Prof. Haijun YANG (haijun.yang@sjtu.edu.cn)

Please put “TD Lee Postdoc fellow (ATLAS)” as the identifier in the email subject to specify it is for ATLAS job application.



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For full consideration, applications should be received by Nov. 30, 2017. However, the search will remain open until the position is filled.

More Information about TDLI: <http://leeinst.sjtu.edu.cn/node/20>