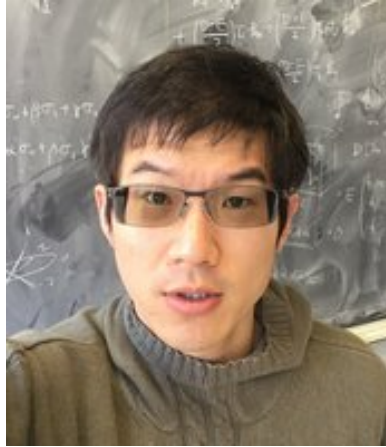


國立清華大學第 26 屆新進人員研究獎得獎人簡介



物理學系 張博堯副教授

張博堯老師於 2019 年 2 月加入清華大學物理系，主要研究領域包括量子凝聚態物理，非平衡量子系統，拓樸物質和強關聯量子系統。張老師是清華大學的校友，在 2006 年及 2008 年分別取得學士與碩士學位，隨後在美國伊利諾大學厄巴納-香檳分校取得物理學博士 (2015 年)。之後，他分別在美國羅格斯大學(2015 年)和德國普朗克複雜系統研究所(2018 年)從事博士後研究員。近年來，張老師的研究重點在於量子非平衡系統的糾纏與拓樸性質，通過糾纏譜的演化過程，理解量子熱化現象。另一個研究課題是探討非厄米量子多體系統的物性以及相變過程，理解非厄米相變的普適性，這是當前國際上引起廣泛關注的領域。在國科會愛因斯坦年輕學者計畫的支持下，以及學生們與博士後的熱情參與，張老師的研究團隊在他加入清華大學期間能取得了豐碩的研究成果，並在國際知名期刊發表多篇文章，包括 Phys. Rev. Lett, Quantum, npj Quantum Materials, ACS Appl. Mater. Interfaces, SciPost Phys. 等。最後，張博堯老師感謝家人無條件的支持與關愛。

Professor Po-Yao Chang joined the Department of Physics at National Tsing Hua University in February 2019. His primary research areas include quantum condensed matter physics, non-equilibrium quantum systems, topological phases, and strongly correlated quantum systems. Professor Chang is an alumnus of National Tsing Hua University, having earned his Bachelor's and Master's degrees in 2006 and 2008, respectively. He later obtained his Ph.D. in physics at the University of Illinois at Urbana Champaign (UIUC) in 2015. After graduating from UIUC, he held postdoctoral research positions at Rutgers University (2015), and the Max Planck Institute for the Physics of Complex Systems in Germany (2018). In recent years, Professor Chang's research has focused on the entanglement and topological properties of quantum non-equilibrium systems. He seeks to understand quantum thermalization phenomena through the evolution of entanglement spectra. Another research focus involves investigating the properties of many-body phases and phase transitions of non-Hermitian quantum systems—an area that has recently garnered significant international interest. With support from the Young Scholar Program (Einstein award) of the National Science and Technology Council and driven by the enthusiasm of his students and postdoctoral researchers, Professor Chang's research team has achieved significant results during his professorship at National Tsing Hua University. Their work has been published in internationally renowned journals, including *Phys. Rev. Lett*, *Quantum*, *npj Quantum Materials*, *ACS Appl. Mater. Interfaces*, *SciPost Phys.*, and more. Lastly, Professor Po-Yao Chang expresses his heartfelt gratitude to his family for their unwavering support.