

Observation of several new tetra-quark states at the LHCb experiment



Speaker: Prof. Wenbin Qian 钱文斌 (UCAS)

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Abstract / 摘要:

In the past twenty years, significant amount of new hadrons have been observed. Most of them and their properties are identified using amplitude analysis techniques. In this talk, I will first introduce a general amplitude analysis tool, TF-PWA and then show the latest results obtained with it, including several newly observed tetraquark states. Usage of amplitude analysis techniques in CP violation studies will also be briefly discussed.

About the speaker / 报告人介绍:

Wenbin Qian obtained his PhD in 2010 from Tsinghua University and University of Paris-Saclay. He continued to work on the LHCb experiment as a post-doctor in Syracuse University, LAPP CNRS, Oxford University and as a Marie-Curie individual fellow in Warwick University. He is an associated professor in University of Chinese Academy of Sciences since 2017. He is also a member of BESIII collaboration and CKMFitter group. His main physics interests lie in searching for new sources of CP violation and in understanding low-energy QCD phenomenon through precision measurements in B decays.