

**The 88th HENPIC seminar by Dr. Qipeng Hu (胡启鹏), University of Colorado Boulder, US (美国科罗拉多大学博尔德分校), Jan. 16-2020, Thursday, 10:30am (Beijing time)**

Title: Recent heavy-flavor results from ATLAS

Speaker: Dr. Qipeng Hu (胡启鹏), University of Colorado Boulder, US (美国科罗拉多大学博尔德分校)

Date: Thursday, Jan. 16, 2020, 10:30 am (Beijing time)

Abstract:

In A+A collisions, heavy-flavor (charm and bottom) quarks are created at the initial stage of the collision and experience the entire QGP evolution. Dissociation and regeneration of bound quarkonium states are sensitive to the effects of color screening and color recombination, while open heavy-flavor serves as penetrating probes energy loss mechanism and transport properties of heavy quarks in the QGP. In this seminar, selected results on the production and azimuthal anisotropy of the muons from open heavy-flavor hadron decays and bottomonium nuclear modification factor in different collision systems with the ATLAS experiments will be shown. The implications for our understanding of the QGP properties by comparing the results with model calculations will be discussed.

个人简介:

胡启鹏, 科罗拉多大学博尔德分校博士后。2011 年于中国科学技术大学获得核工程与核技术学士学位, 2017 年于中国科学技术大学获得粒子物理博士学位。2017 开始在科罗拉多大学博尔德分校从事博士后研究工作至今。目前研究方向为基于 ATLAS 重离子碰撞实验数据小系统集体流, 高能光子和重味物理分析。