

04 FLAVOUR PHYSICS

Physics program of open charm and heavy cc states at the BES-III experiment

荣刚

Institute of High Energy Physics, Chinese Academy of Sciences, Beijing 100049, China

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摘要

We present the physics program of the open charm and heavy cc states above the DD production energy threshold, which will be studied with the BES-III detector at the BEPC-II collider in the coming years. Based on some full Monte Carlo simulations with the BES-III detector, we predict the accuracy levels on measuring some physical quantities related to D^0 , D^+ and D^+_s decays as well as some non-charmed decays of the heavy cc states.

关键词 [D semileptonic decays](#), [D[±]_{\(s\)} purely leptonic decays](#), [CKM matrix elements](#), [Standard Model](#), [D⁰D⁰ mixing](#), [CP violation in D decays](#), [Rare D and D[±]_s decays](#), [non-charmed decays of heavy resonances](#)

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通讯作者:

荣刚 rongg@mail.ihep.ac.cn

作者个人主页:

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