07 FORM FACTORS AND OZI RULE

Form factor measurements with PANDA at FAIR

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收稿日期 2010-1-26 修回日期 网络版发布日期 2010-5-5 接受日期 2010-5-5

摘要

The high intensity and high energy antiproton beams which will be produced at FAIR open the possibility to determine time-like electromagnetic form factors in a wide kinematical range, through the annihilation reaction: p⁺p→e⁺+e⁻. The status of the ▶ 加入引用管理器 proposed experiment as well as the expected results are presented on the basis of realistic simulations. The impact of these measurements on the understanding of the nucleon structure, of the asymptotic properties of form factors and of the reaction mechanism are discussed using model independent statements based on symmetry properties of the strong and electromagnetic interactions in connection with space-like data.

关键词 electromagnetic form factors, antiprotons, nucleon structure, QCD

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