

01 SPECTROSCOPY

Recent results on hadron spectroscopy from BES

Klaus Gö,tzen (on behalf of the BES-III collaboration)

GSI Helmholtzzentrum für Schwerionenforschung GmbH, Planckstr. 1, 64291 Darmstadt, Germany

收稿日期 2010-1-25 修回日期 网络版发布日期 2010-5-5 接受日期 2010-5-5

摘要 The BES-III Detector is a very versatile multipurpose device located at the Institute of High Energy Physics (IHEP) in Beijing, China. Concerning the physics program it ties stringently up to the past BES and BES- II experiments. Since start of the data taking in the middle of 2008 the accumulated dataset of 200・

10^6 J/ψ events and $100\&\#12539;10^6$ ψ' events already exceeds the world data on these resonances. In addition to studies of the charmonium systems the data offers great opportunity for investigations in the light hadron sector. In detail it will be reported about the confirmation of the enhancement in pp invariant mass in radiative J/ψ decays, the search for decays $Y(2175)\rightarrow K^{*0}K^{*0}$, observation of a charged κ^\pm in $K^\pm\pi^0$ and observation of a new excited baryon $N^*(2065)$ decaying to $p\pi^0$ and charged conjugate. The first result is based on data taken by BES- II and BES-III, the latter three on data collected by BES- II only.

关键词 [light hadrons](#), [BES](#), [X\(1860\)](#), [Y\(2175\)](#), [\$\kappa^\pm\$](#) , [\$N^*\(2065\)\$](#)

分类号

DOI:

通讯作者:

Klaus Götzen k.goetzen@gsi.de

作者个人主页:

Klaus Götzen (on behalf of the BES-III collaboration)

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