

INTERNATIONAL CONFERENCE ON HIGH ENERGY PHYSICS
AMSTERDAM 2002

Abstract ID=ABS548

Heavy quark mesons and baryons (incl. lattice calculations)

Hadron spectroscopy and exotics (experiment and theory)

Experiment: BES Collaboration

Contact Person: Fred Harris

Institute: U. of Hawaii

Email: fah@phys.hawaii.edu

η_c mass, width, and branching ratios

J. Z. Bai, et al

Abstract

In a sample of 58 million J/ψ decays collected in BESII, the process $J/\psi \rightarrow \gamma\eta_c$ is observed in six different decay channels: $K^+K^-\pi^+\pi^-$, $\pi^+\pi^-\pi^+\pi^-$, $K^\pm K_S^0\pi^\mp$ (with $K_S^0 \rightarrow \pi^+\pi^-$), $\phi\phi$ (with $\phi \rightarrow K^+K^-$), $K^+K^-\pi^0$ and $p\bar{p}$. The mass, full width, and branching ratios of the η_c will be reported.

Version 0

Date 2002-05-01 : 01:57:24'