

Exotic meson studies at CMS

Tuesday, 19 May 2015 18:00 (20 minutes)

CMS has accumulated large amount of dimuon events at 7 and 8 TeV center-mass-energy. Fruitful results have been produced using these datasets. This talk will cover the observation of two structures in $J/\psi + \phi$ mass spectrum via exclusive $B^+ \rightarrow J/\psi \phi K^+$ decays, while the first one confirms a previous observation from CDF experiment, and the second one has been observed for the first time. A related decay channel $B^+ \rightarrow \psi(2S) \phi K^+$ has been observed by CMS for the first time and will be reported.

Primary author: CMS EXPERIMENT, CMS experiment (CMS experiment)

Presenter: NACHTMAN, Jane (University of Iowa)

Session Classification: Parallel Session 1