

## 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.

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