

Measurement of $B_s^0 \rightarrow \psi(2S)\phi$ / $B_s^0 \rightarrow J/\psi\phi$ ratio

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In this talk we will have a brief look at the two decay modes $B_s^0 \rightarrow J/\psi\phi$ and $B_s^0 \rightarrow \psi(2S)\phi$ and the measurement of the corresponding ratio. To guarantee identical topologies between the two decays we have chosen to only look at the $\psi(2S) \rightarrow \mu^+\mu^-$ and $J/\psi \rightarrow \mu^+\mu^-$ modes. A quick look at the peaking backgrounds $B_s^0 \rightarrow J/\psi f_0(980)$ and $B_s^0 \rightarrow \psi(2S) f_0(980)$ is also given attention.

Summary

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