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Type: **Parallel Sessions**

Searches for CP violation in the B_0 s system using $B_0 \rightarrow J/\psi + (\phi/f_0/f_2)$ decays

Saturday, July 7, 2012 4:30 PM (15 minutes)

We report updated measurement of the CP-violating phase ϕ_s and of the decay width differences for the two mass eigenstates $\Delta\Gamma_s$ from the flavor-tagged decay $B_0 \rightarrow J/\psi + \phi$. We also present measurements of the branching ratios for the decays $B_0 \rightarrow J/\psi + f_0$ and $B_0 \rightarrow J/\psi + f_2$, a study of the angular distribution for the latter decay and improve the determination of the CP violation parameters using the $B_0 \rightarrow J/\psi + f_0$ decay.

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