

Abstract Submitted  
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**Study of Direct CP Violation in  $B$  Meson Decay to Final States Containing Charmonium** GUENNADI BORISOV, KOSTYANTYN HOLUBYEV, Lancaster University, D0 COLLABORATION — We study direct CP violation in  $b \rightarrow c\bar{c}(s, d)$  transitions by searching for a charge asymmetry in the decay  $B^\pm \rightarrow J/\psi h^\pm$  where  $h^\pm$  is a  $K^\pm$  or  $\pi^\pm$  meson. The results presented are based on a large data set of  $p\bar{p}$  collisions recorded by the D0 detector operating at the Fermilab Tevatron.

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