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Studies of $B^\pm \rightarrow \phi K^{*\pm}$ decays from Belle.¹ ALYSSA LOOS, MILIND PUROHIT, University of South Carolina, VISHAL BHARDWAJ, IISER, Mohali, India, BELLE COLLABORATION — We present the status of a study of branching fractions, longitudinal polarization, and CP violation asymmetries in $B^\pm \rightarrow \phi K^{*\pm}$ decays with a sample of 772×10^6 BBbar pairs collected by the Belle detector at the KEKB asymmetric energy e^+e^- collider. Some measurements of these quantities have been made for charged and neutral B meson decays by the CLEO, BaBar, Belle, and LHCb experiments; the value of f_L , for instance, appears to be at variance with expectations. In this presentation we present results from simulations and an estimate of when we can present results using Belle data.

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