

Abstract Submitted
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Search for $B^0 \rightarrow K^{*0} K_S^0$ decay at BaBar STEPHEN FOULKES, University of California, Riverside, BABAR COLLABORATION — We present the result of a search for rare decays of B mesons into $K^{*0} K_S^0$ where $K^{*0} \rightarrow K^+ \pi^-$ and $K_S^0 \rightarrow \pi^+ \pi^-$. We use a sample of approximately 227 million B-meson pairs recorded at the $\Upsilon(4S)$ resonance by the BaBar detector at the PeP-II B Factory at SLAC. This decay mode provides input to theoretical studies of rare B decays using flavor-symmetry or factorization methods.

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