

Barbara

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Search for quark-annihilation type B-meson decays $B^- \rightarrow D_S^- \phi$ and $B^- \rightarrow D_S^{*-} \phi$ ADAM CUNHA, BABAR COLLABORATION — We report on searches for $B^- \rightarrow D_S^- \phi$ and $B^- \rightarrow D_S^{*-} \phi$ based on 230 million $\Upsilon(4S) \rightarrow B\bar{B}$ decays collected with the BaBar detector at SLAC. The Standard Model branching fractions for these decays are expected to be highly suppressed since they proceed through annihilation of the b and \bar{u} quarks in the B^- meson.

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