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Study of $B^0 \rightarrow D_s^{(*)+} \pi^-, D_s^{(*)+} \rho^-, D_s^{(*)+} K^-$ Decays TOYOKO ORIMOTO, Lawrence Berkeley National Lab, BABAR COLLABORATION — We report on our study of B^0 mesons decaying into the final states $D_s^{(*)+} \pi^-, D_s^{(*)+} \rho^-,$ and $D_s^{(*)+} K^-$ using approximately 220 million B decays collected by the BaBar detector at the PEP-II asymmetric B Factory. Our study was done by exclusively reconstructing the modes $D_s^{*+} \rightarrow D_s^+ \gamma, D_s^+ \rightarrow \phi \pi^+, \bar{K}^{*0} K^+,$ and $\bar{K}^0 K^+.$ The result may potentially be useful in determining the CP asymmetry parameter $\sin(2\beta + \gamma)$ in the decays $B^0 \rightarrow D^{(*)+} \pi^-$ and $B^0 \rightarrow D^{(*)+} \rho^-.$

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