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## Search for $B \rightarrow \tau \nu$

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We present a search for the fully leptonic B decay  $B^+ \rightarrow \tau^+ \nu_{\tau}$  in 459M B/anti-B pairs collected at the Upsilon(4S) resonance using the BaBar detector. We select a sample of events with a reconstructed hadronic B decay,  $B^- \rightarrow D^0 X^-$ , where X represents a combination of charged and neutral light mesons; in the remainder of each event we search for the  $B^+ \rightarrow \tau^+ \nu_{\tau}$  signal.

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**Session Classification:** 06 - CP violation, CKM and Rare Decays

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