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B-> tau nu & B->D(*)tau nu decays at Belle

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We present a measurement of the decay B −> tau nu in a large data sample recorded with the Belle detector at the KEKB asymmetric energy eˆ+ eˆ- collider. We obtain the branching fraction for B −> tau nu and present a direct determination of the product of the B meson decay constant f_B and the magnitude of the Cabibbo-Kobayashi-Maskawa matrix element |V_{ub}|. The resulting constraints on a charged Higgs boson are also discussed. We also present studies of Bˆ+ −> \bar{D}ˆ{*0} tauˆ+ nu and Bˆ+ −> \bar{D}0 tauˆ+ nu decays. The events are tagged by inclusively reconstructing the accompanying B meson. Measurements of branching fractions and distributions characterizing signal decays are presented.

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