

## **B- $\rightarrow$ D(\*) tau nu and constraints on charged Higgs models**

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We present the measurement of B  $\rightarrow$  D(\*) tau nu decay, which is sensitive at tree level to New Physics contributions in the form of a charged Higgs boson. The measured branching fraction is 3.4 sigma larger than the SM predictions, and excludes the 2HDM of type 2 with a 99.8% confidence level for any value of  $\tan(\beta)/m_{\text{Higgs}}$ .

Additional studies of the momentum transferred to the lepton system show that the result can be accommodated by more general two-Higgs-Doublet models.

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