

Higgs search in the Higgs to bb channel

The decay of the Standard Model-like Higgs boson into bb is the dominant decay process in the region of low Higgs boson masses. The Higgs search in this channel requires an associated heavy object, allowing for strong discrimination from the dominant multi-jet background processes. We present the status of the Higgs searches in the $H \rightarrow bb$ channel based on the ATLAS data collected so far in 2011.

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