DRAFT CMS Physics Analysis Summary

The content of this note is intended for CMS internal use and distribution only

2018/07/04

Head Id: 467027

Archive Id: 425728:466308MP Archive Date: 2018/07/02

Archive Tag: trunk

Additional material for HIG-17-028

The CMS Collaboration

Abstract

Additional material: Simultaneous expected fit results for κ_b and κ_c . One and two standard deviation contours are shown for the combined ($H \to \gamma \gamma$ and $H \to ZZ$) expectation, fixing the branching fractions to the values expected from the standard model. Also the corresponding one-dimensional scans of κ_b and κ_c are shown.

This box is only visible in draft mode. Please make sure the values below make sense.

PDFAuthor: M. Donega, T. Klijnsma, P. Musella

PDFTitle: Combination of Higgs boson differential cross sections and limits on Higgs

couplings

PDFSubject: CMS

PDFKeywords: differential cross sections, combination, Higgs coupling modifiers

Please also verify that the abstract does not use any user defined symbols



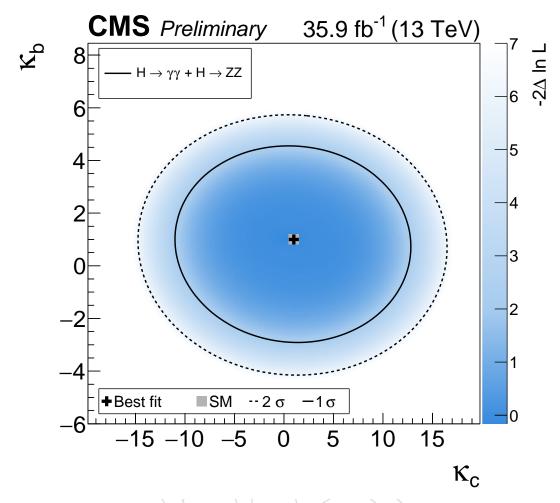


Figure 1: Simultaneous expected fit results for κ_b and κ_c . One and two standard deviation contours are shown for the combined ($H \to \gamma \gamma$ and $H \to ZZ$) expectation, fixing the branching fractions to the values expected from the standard model.

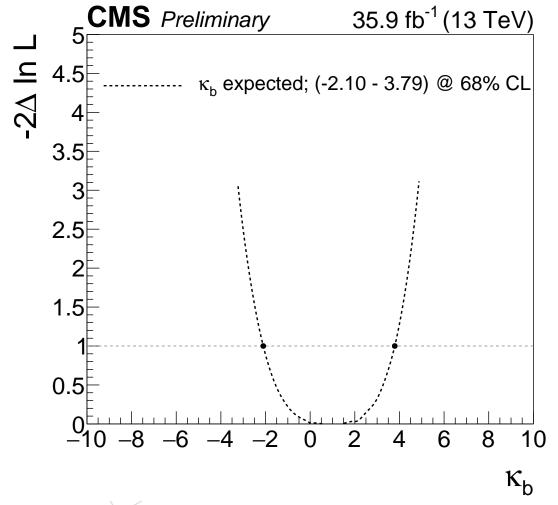


Figure 2: Expected fit of κ_b while profiling κ_c . The filled markers indicate the one standard deviation interval. The branching fractions were fixed to the values expected from the standard model.

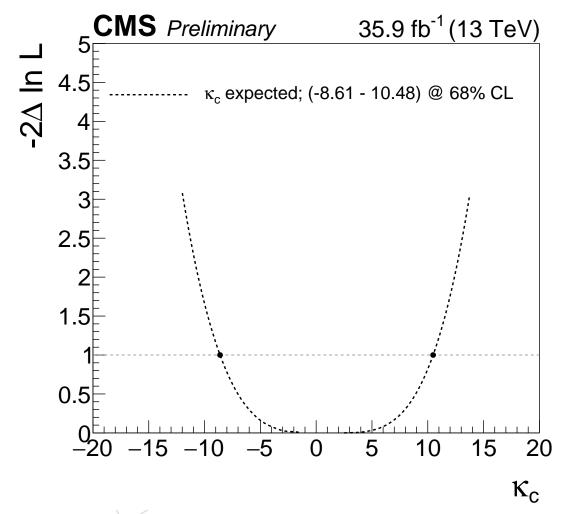


Figure 3: Expected fit of κ_c while profiling κ_b . The filled markers indicate the one standard deviation interval. The branching fractions were fixed to the values expected from the standard model.

4 References

References

