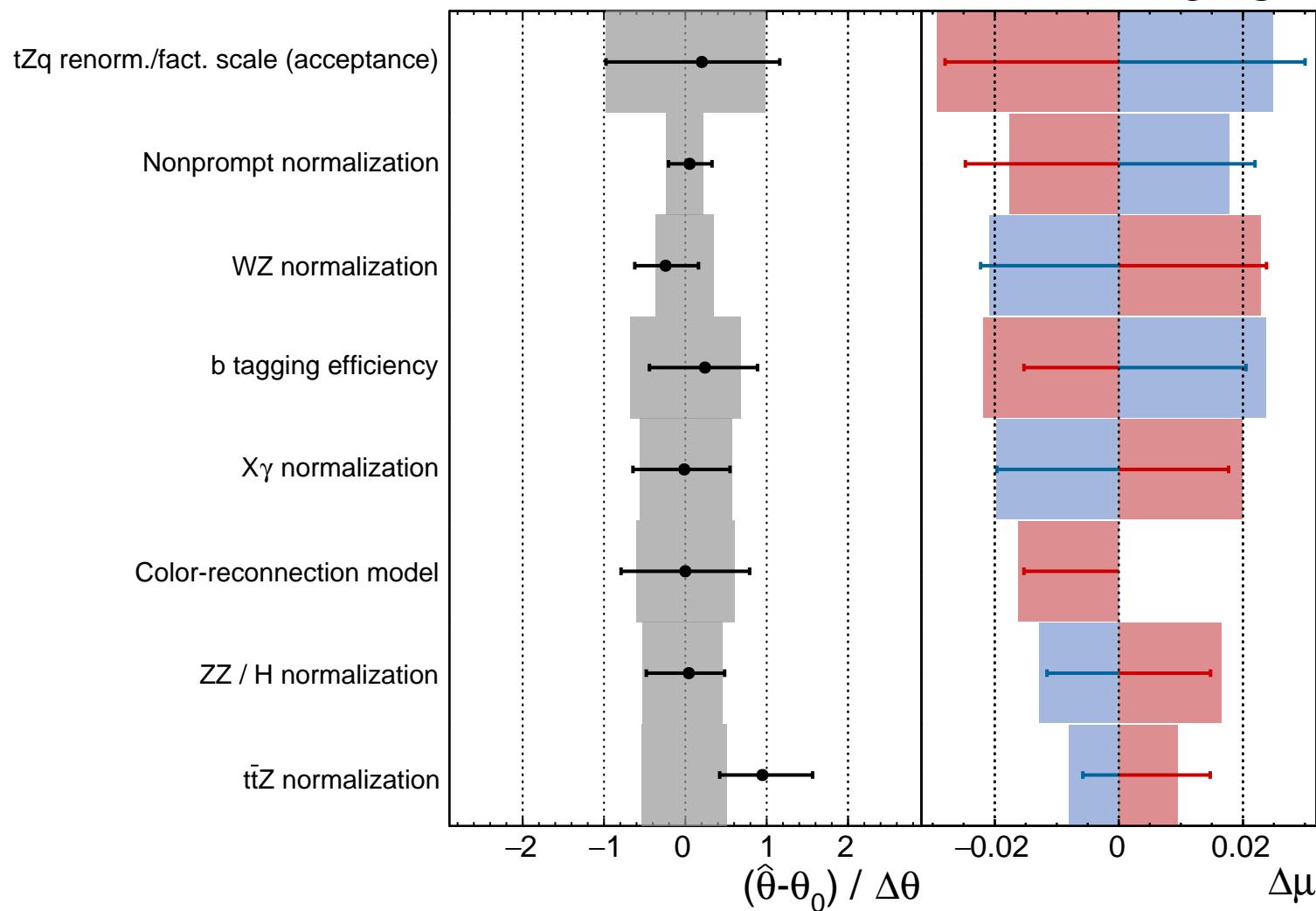
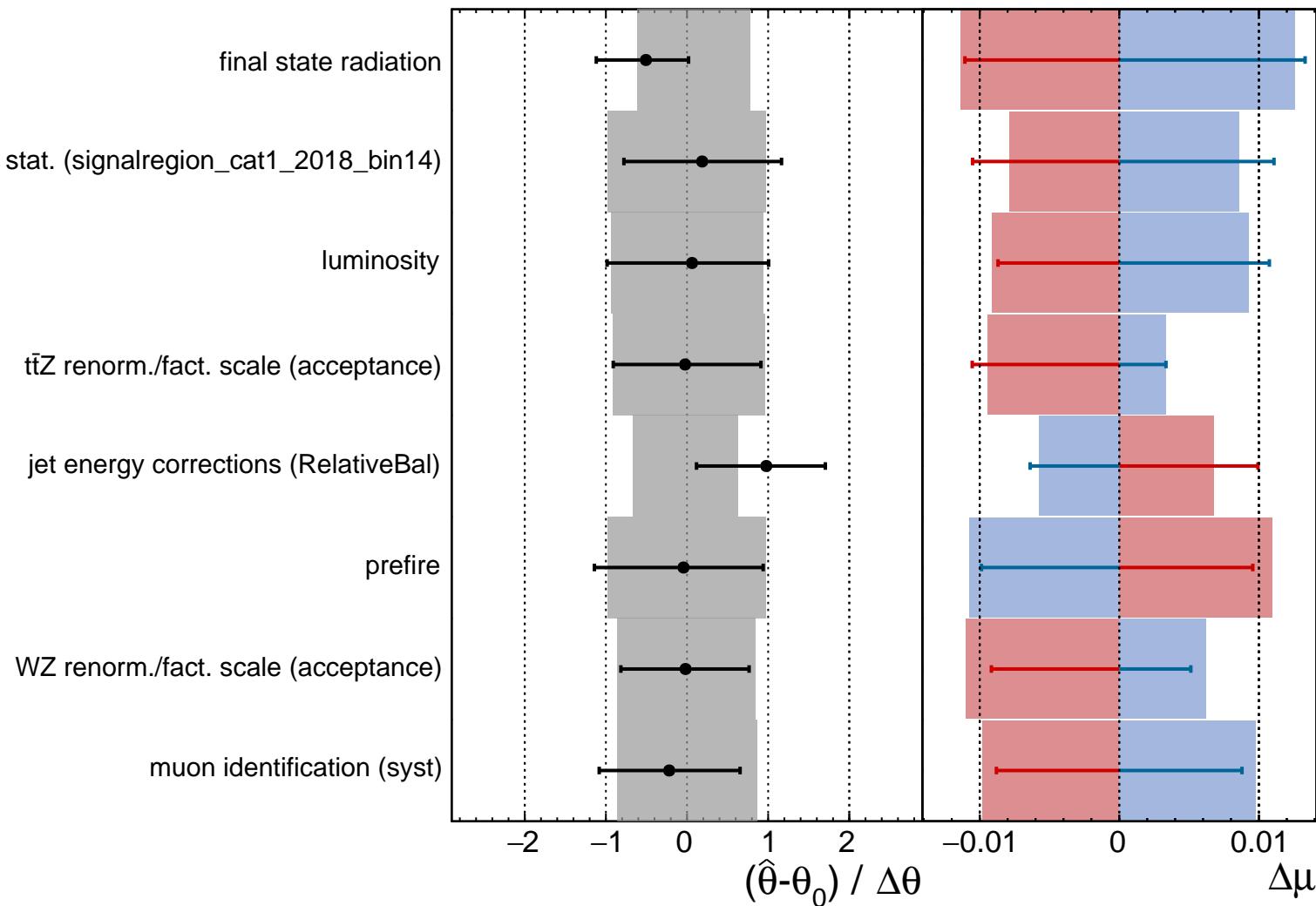
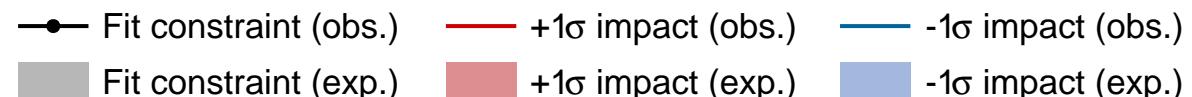
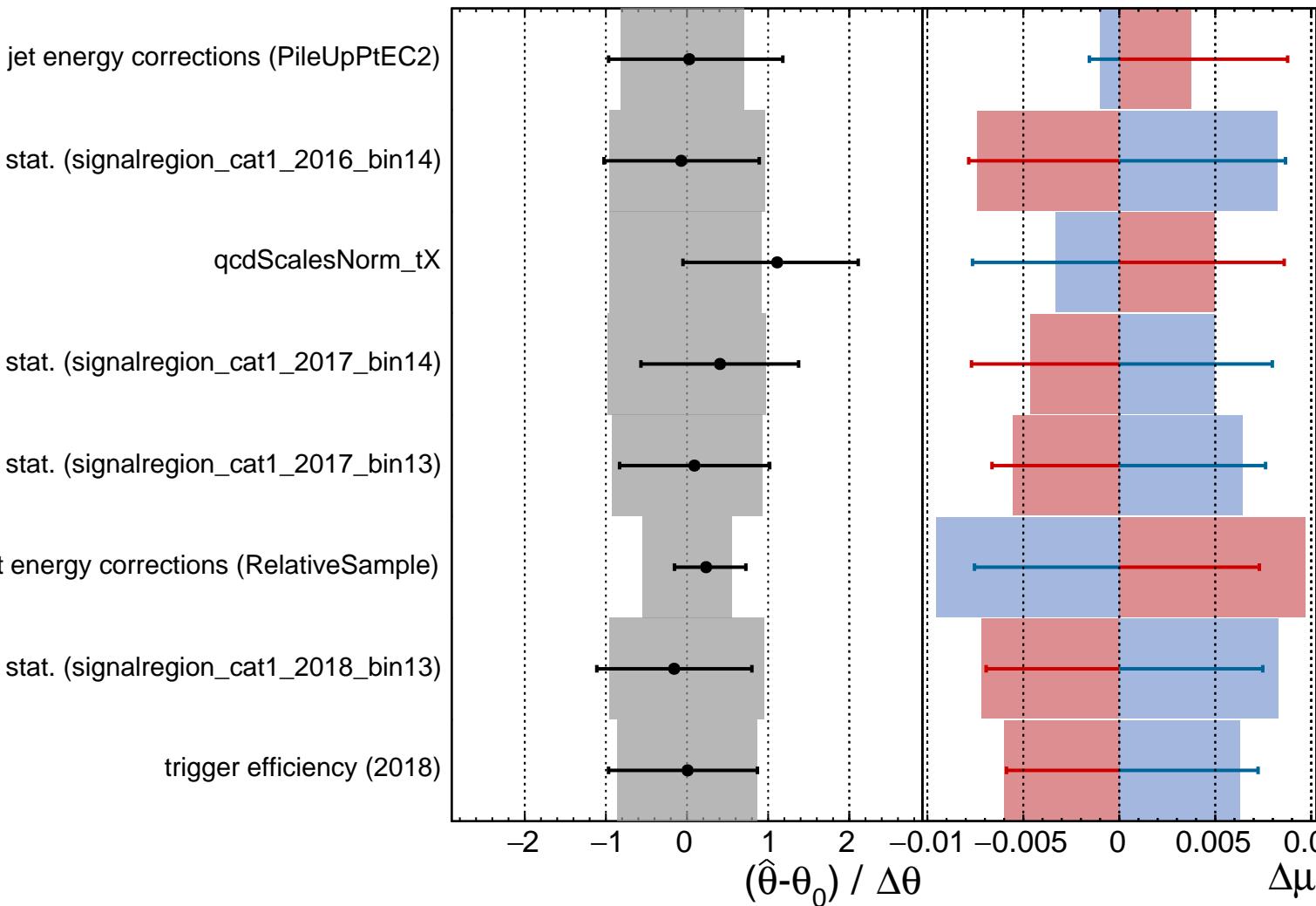
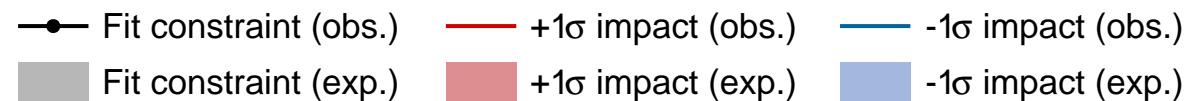
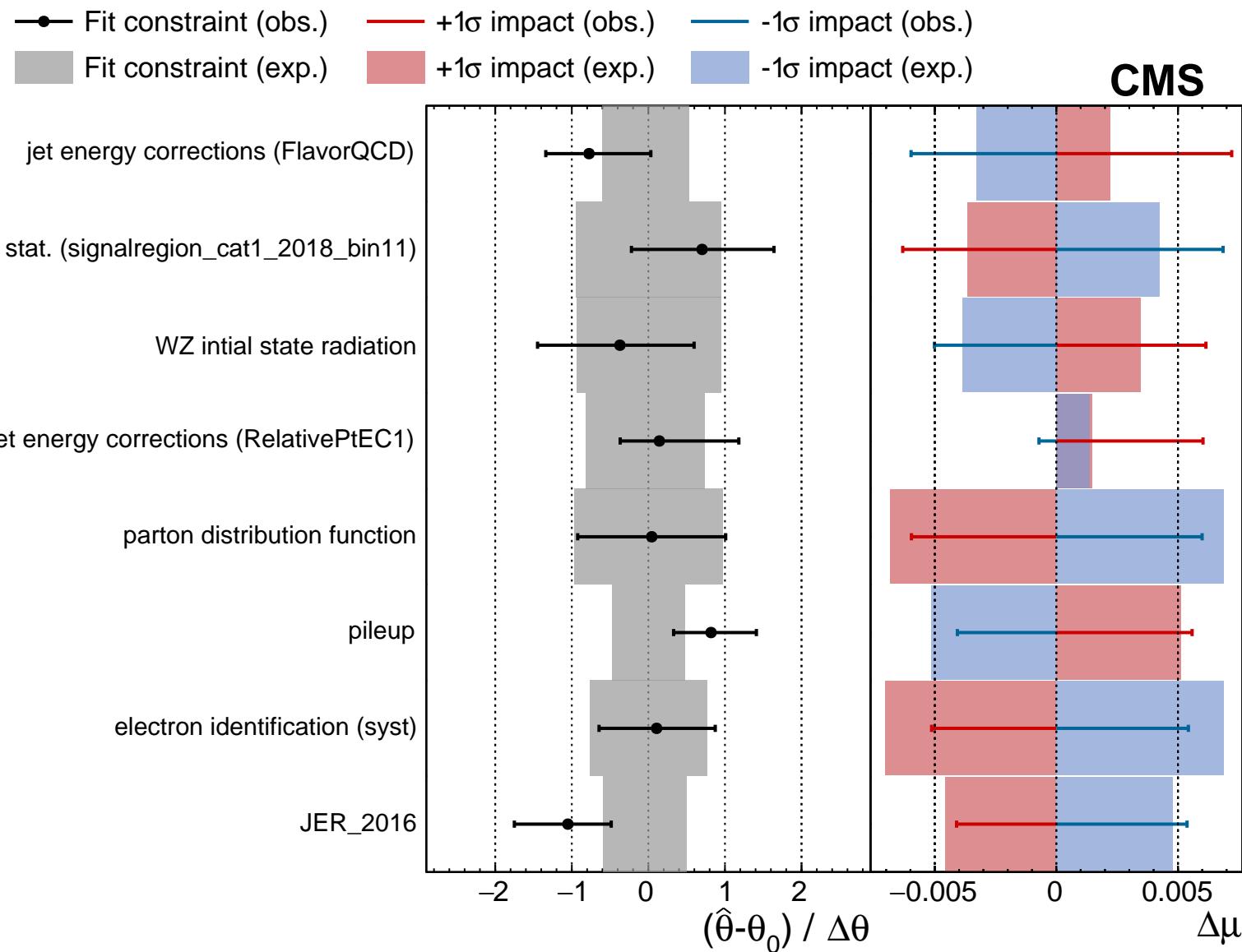


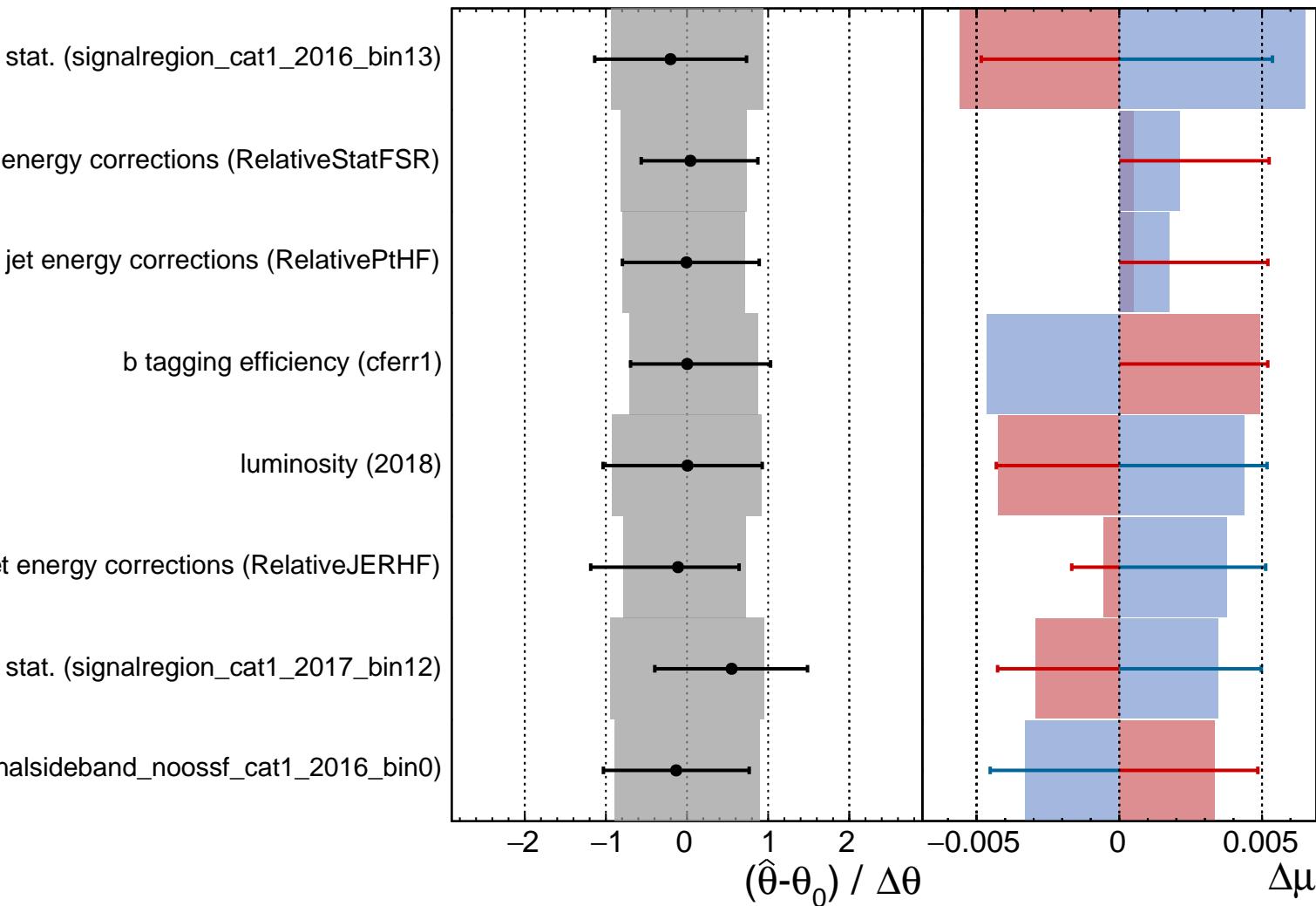
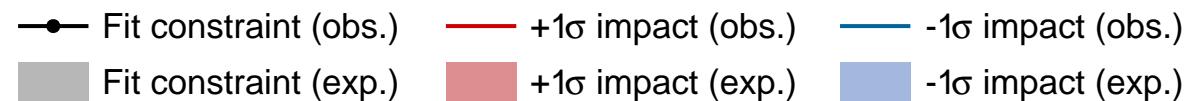
—●— Fit constraint (obs.) —●— +1 σ impact (obs.) —●— -1 σ impact (obs.)
 Fit constraint (exp.) +1 σ impact (exp.) -1 σ impact (exp.)



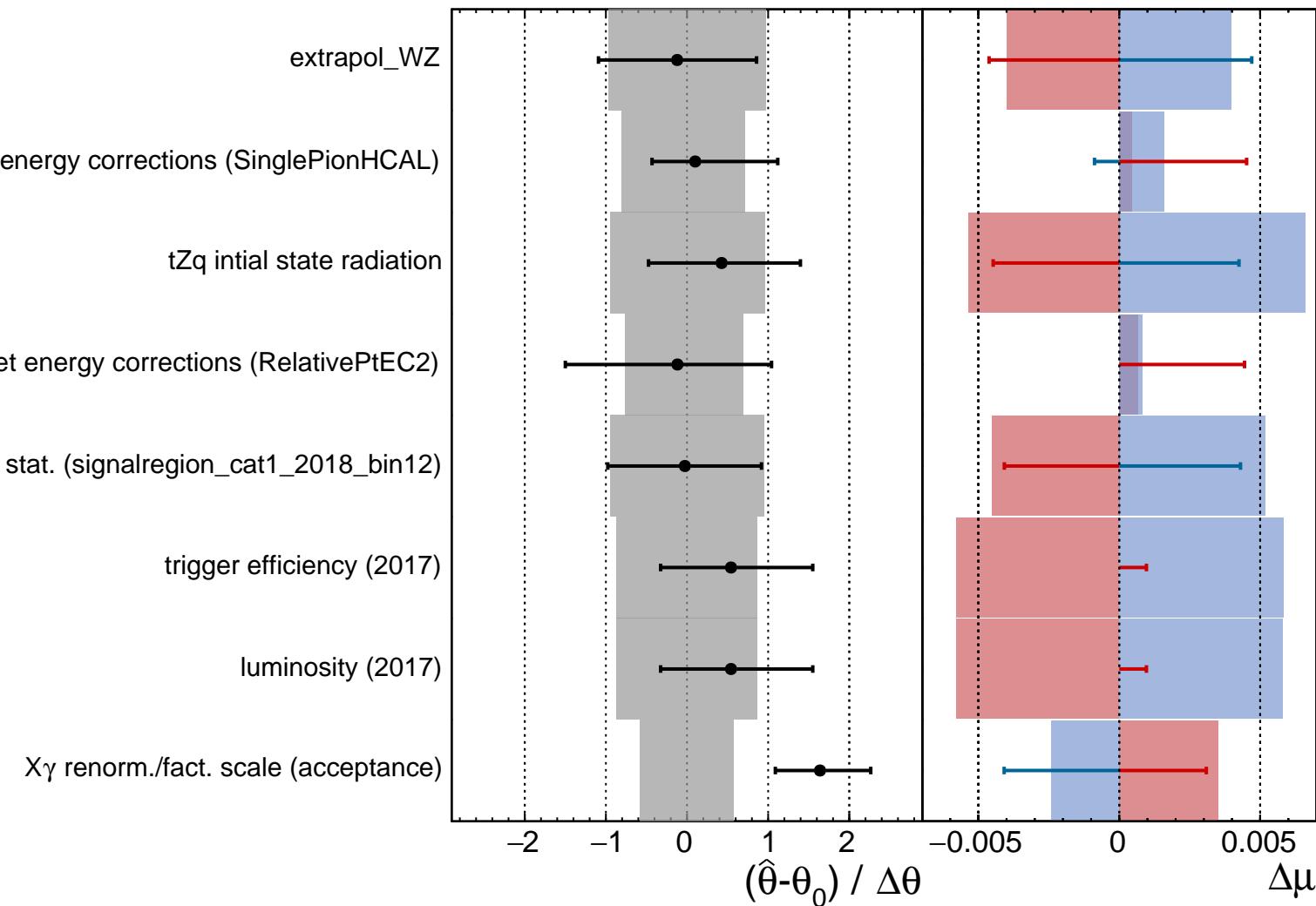


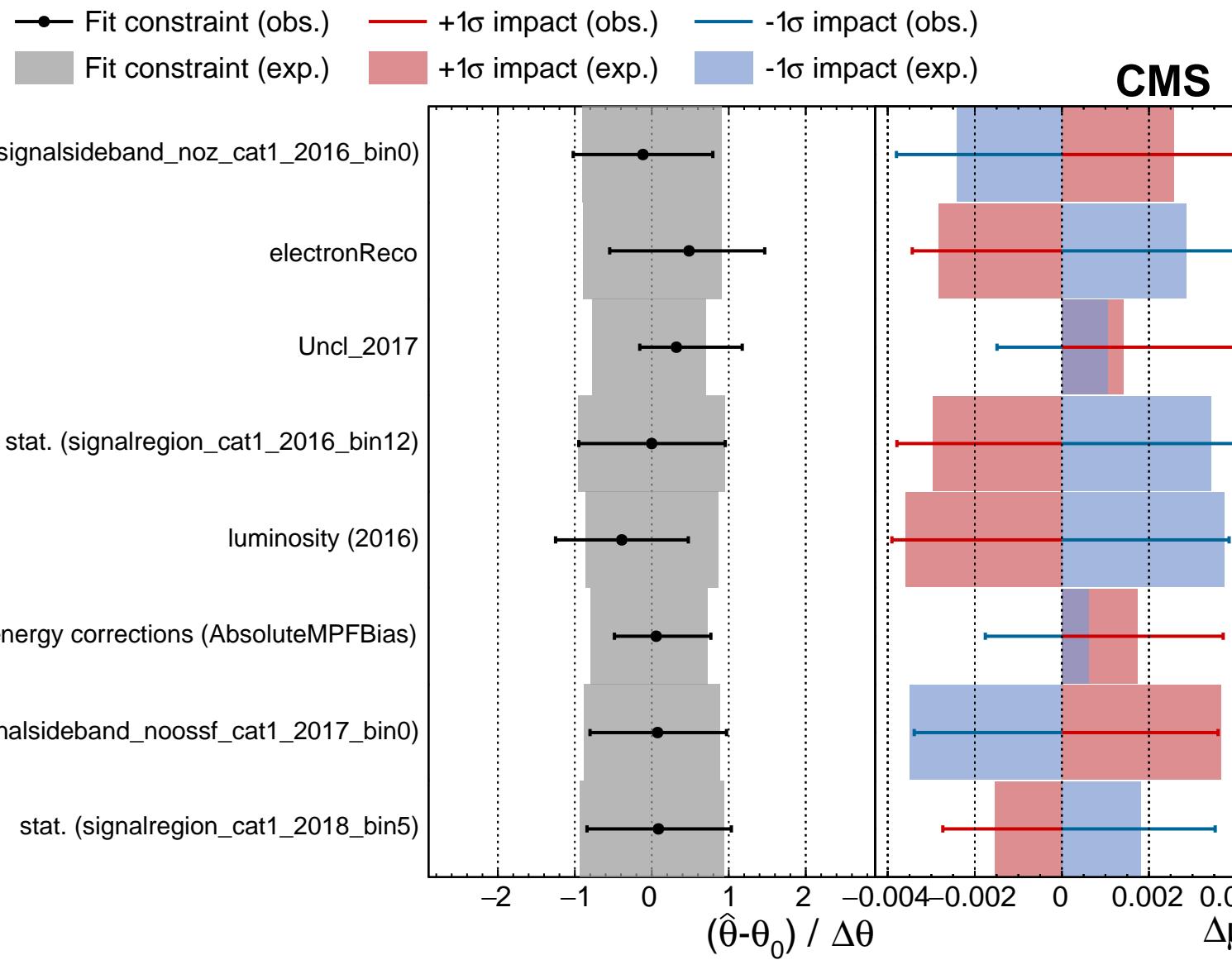


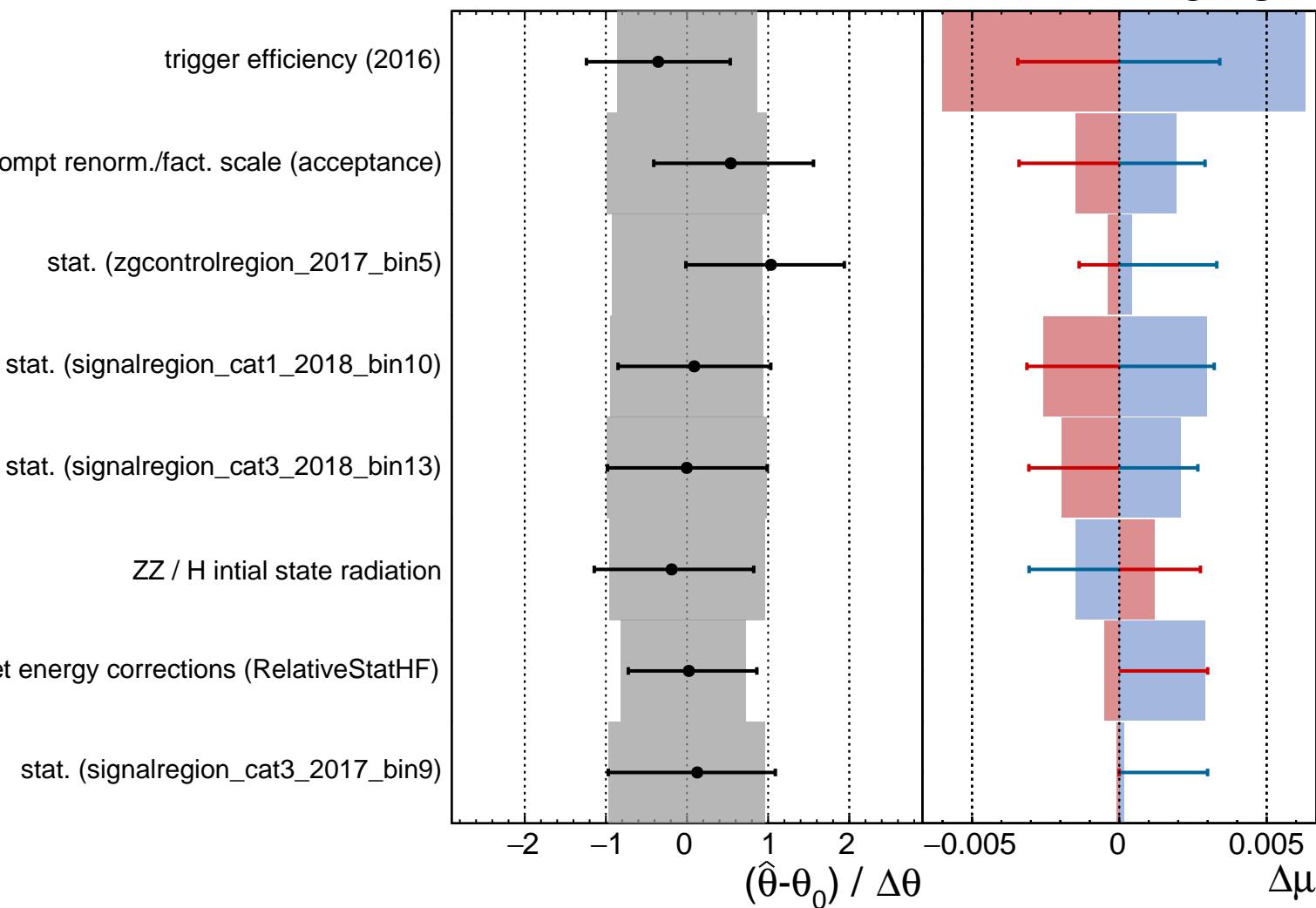
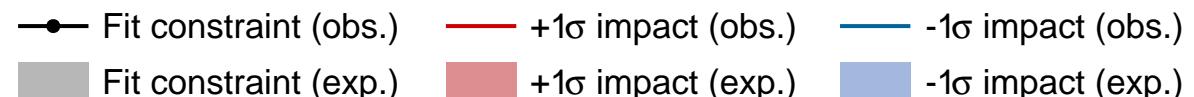


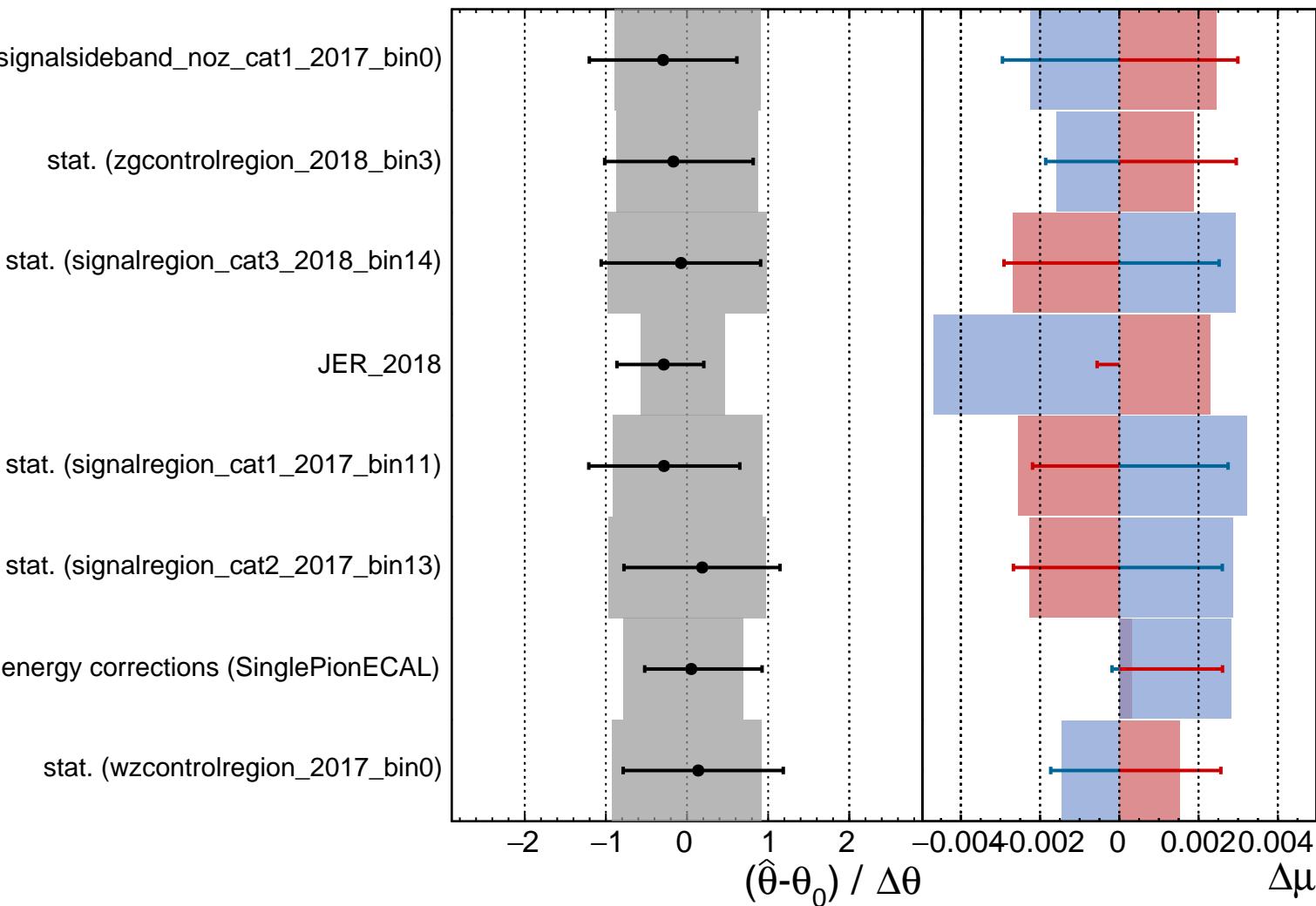
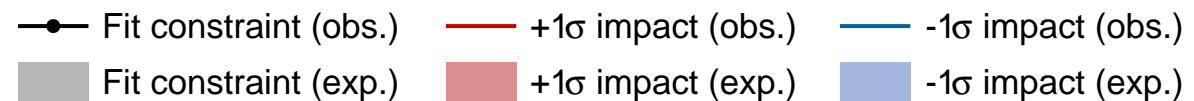


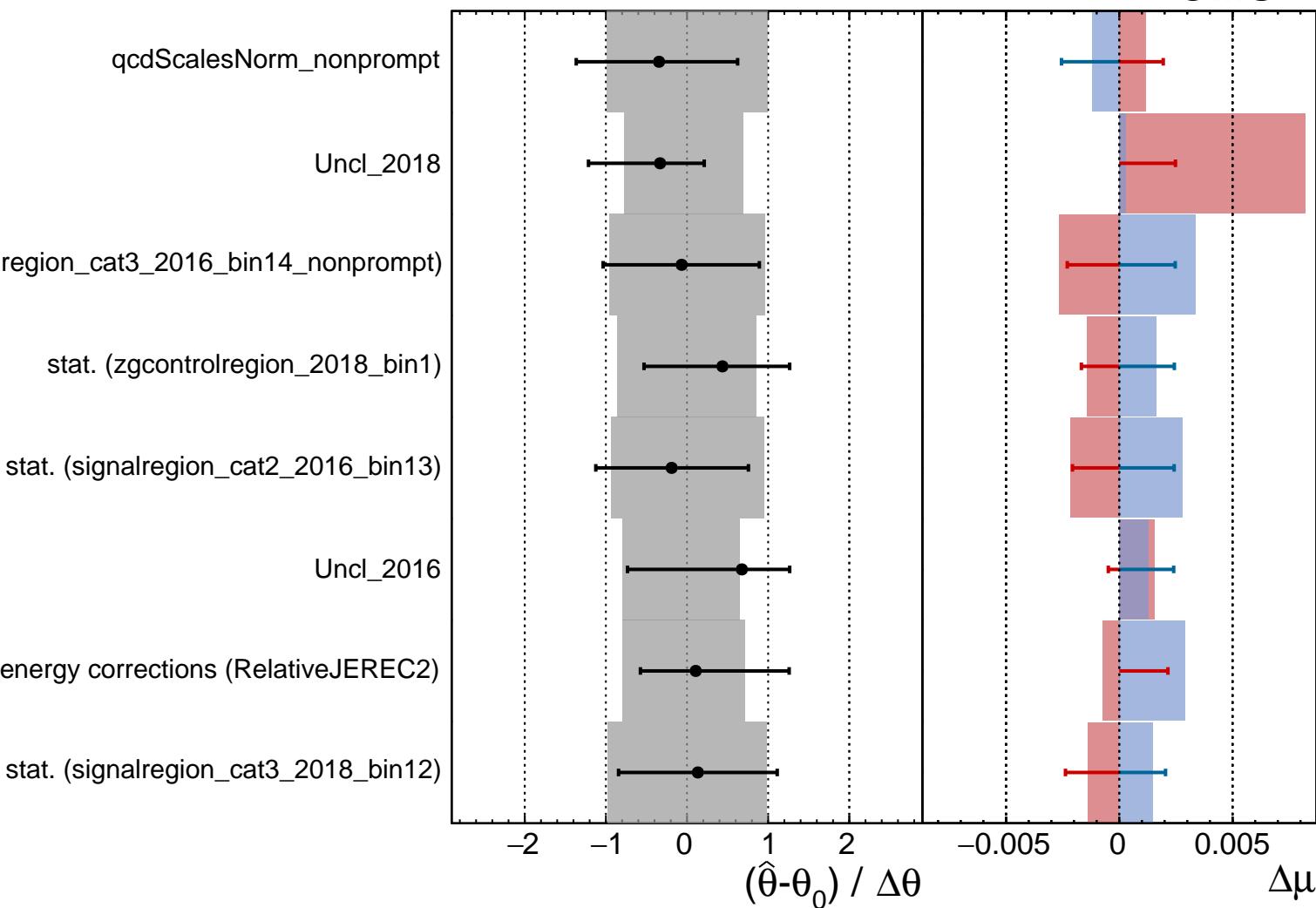
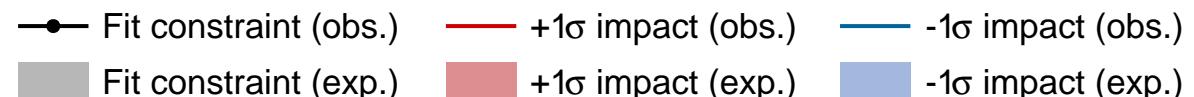
—●— Fit constraint (obs.) —●— +1 σ impact (obs.) —●— -1 σ impact (obs.)
 Fit constraint (exp.) +1 σ impact (exp.) -1 σ impact (exp.)

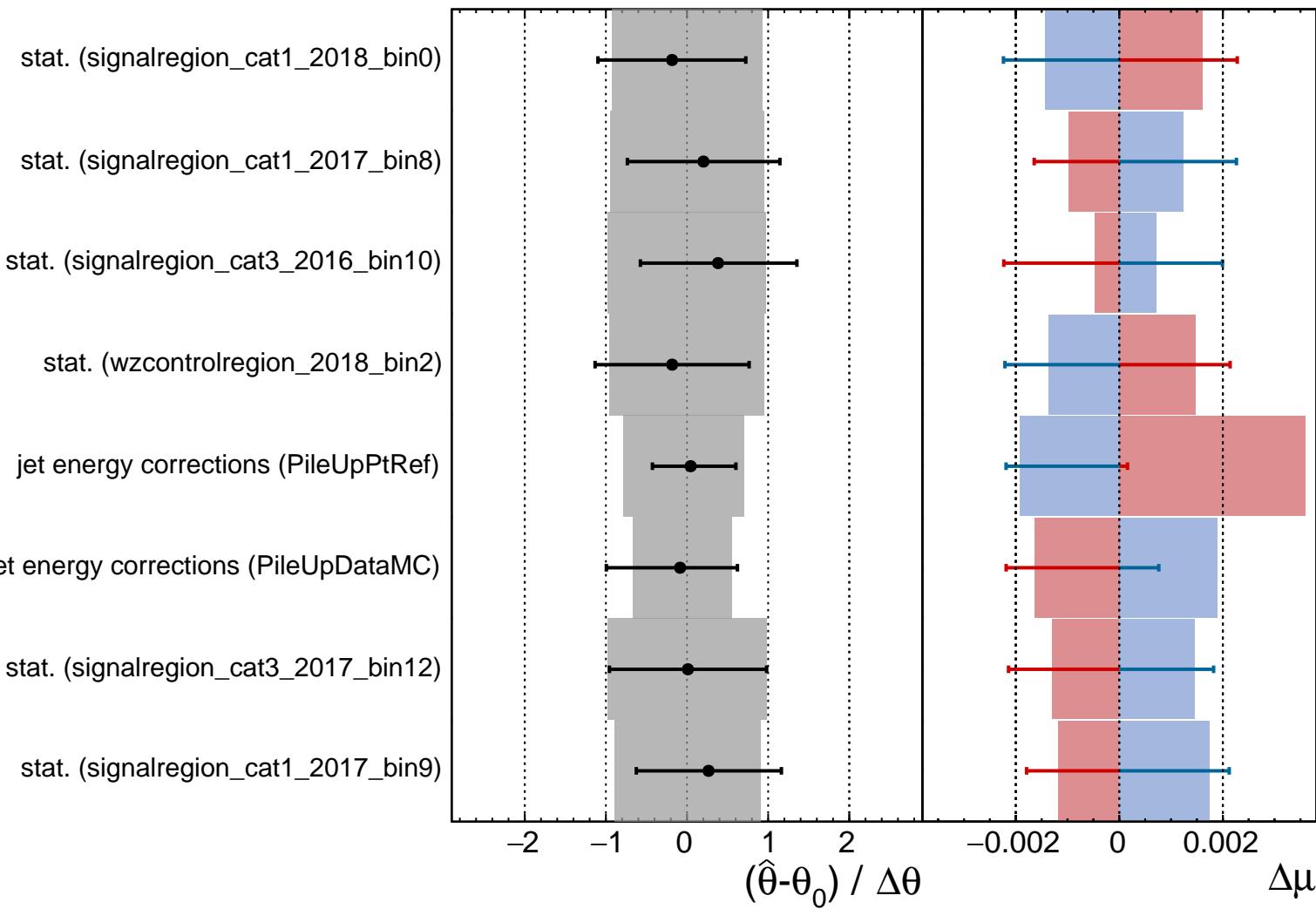
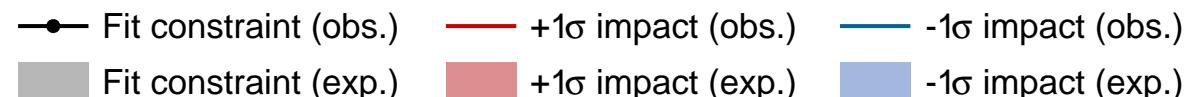


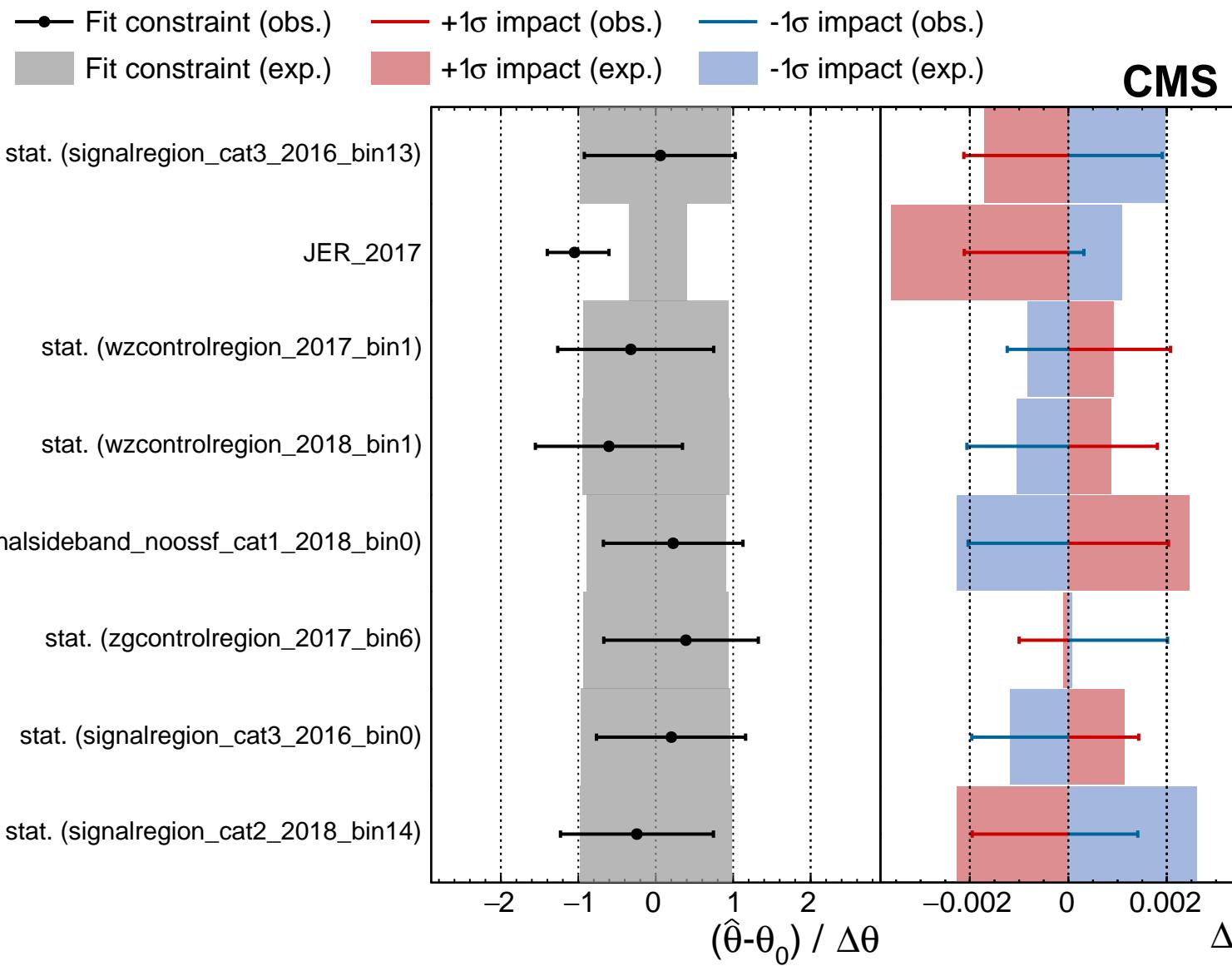


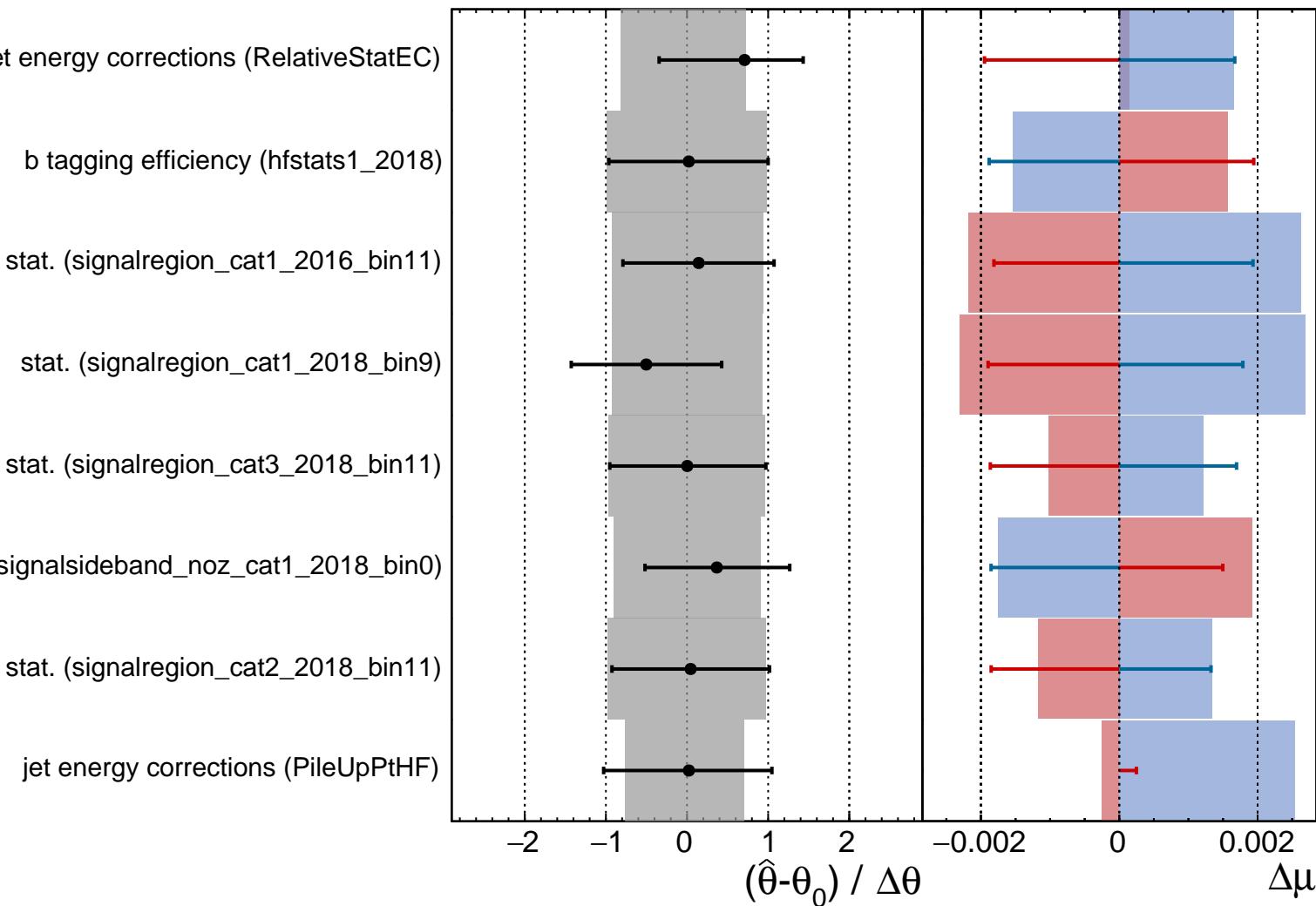
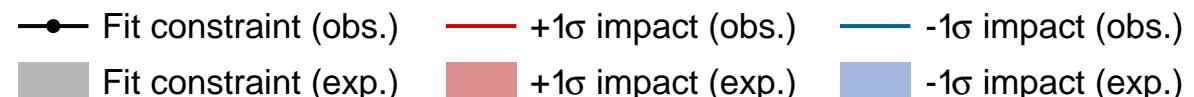




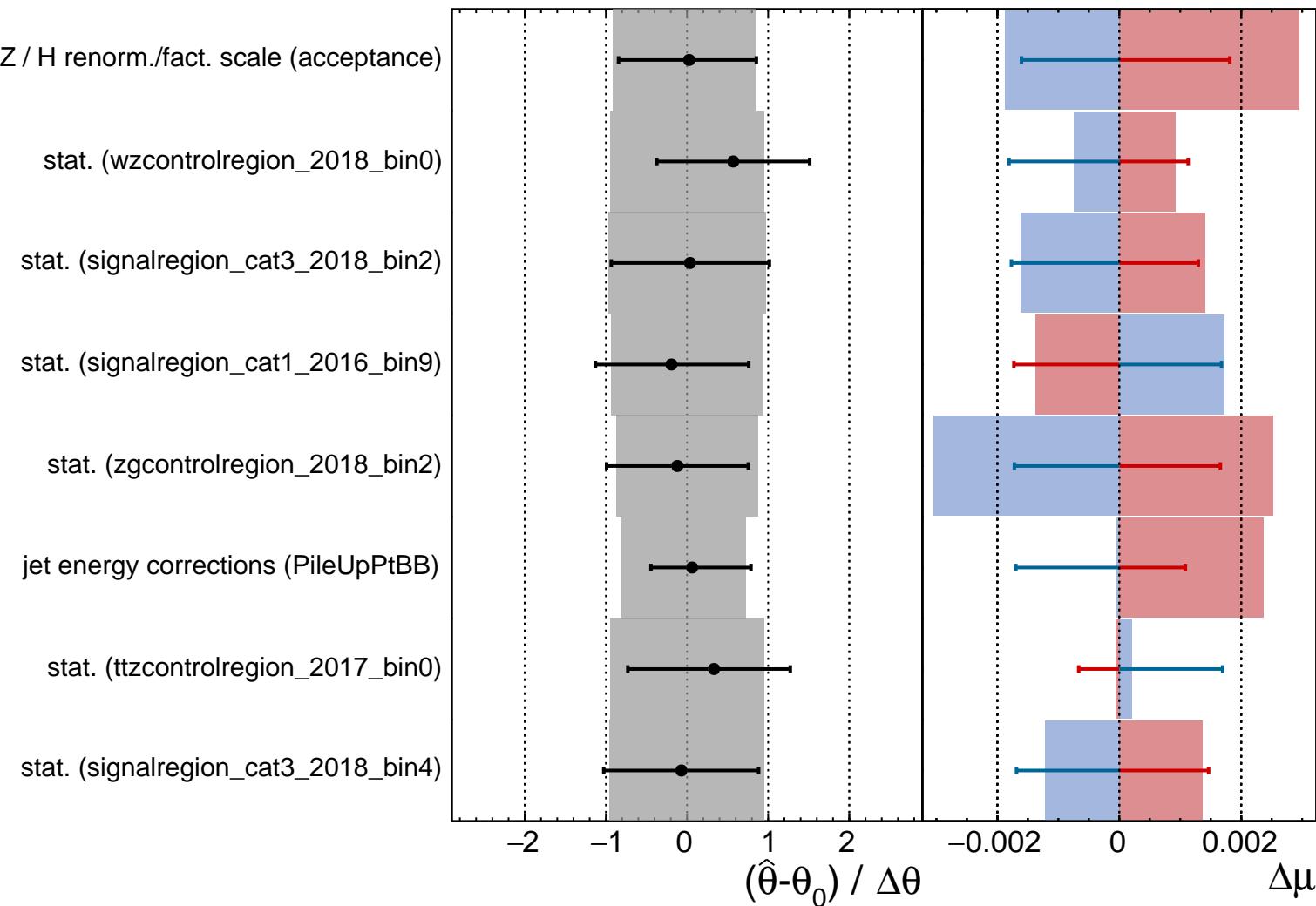


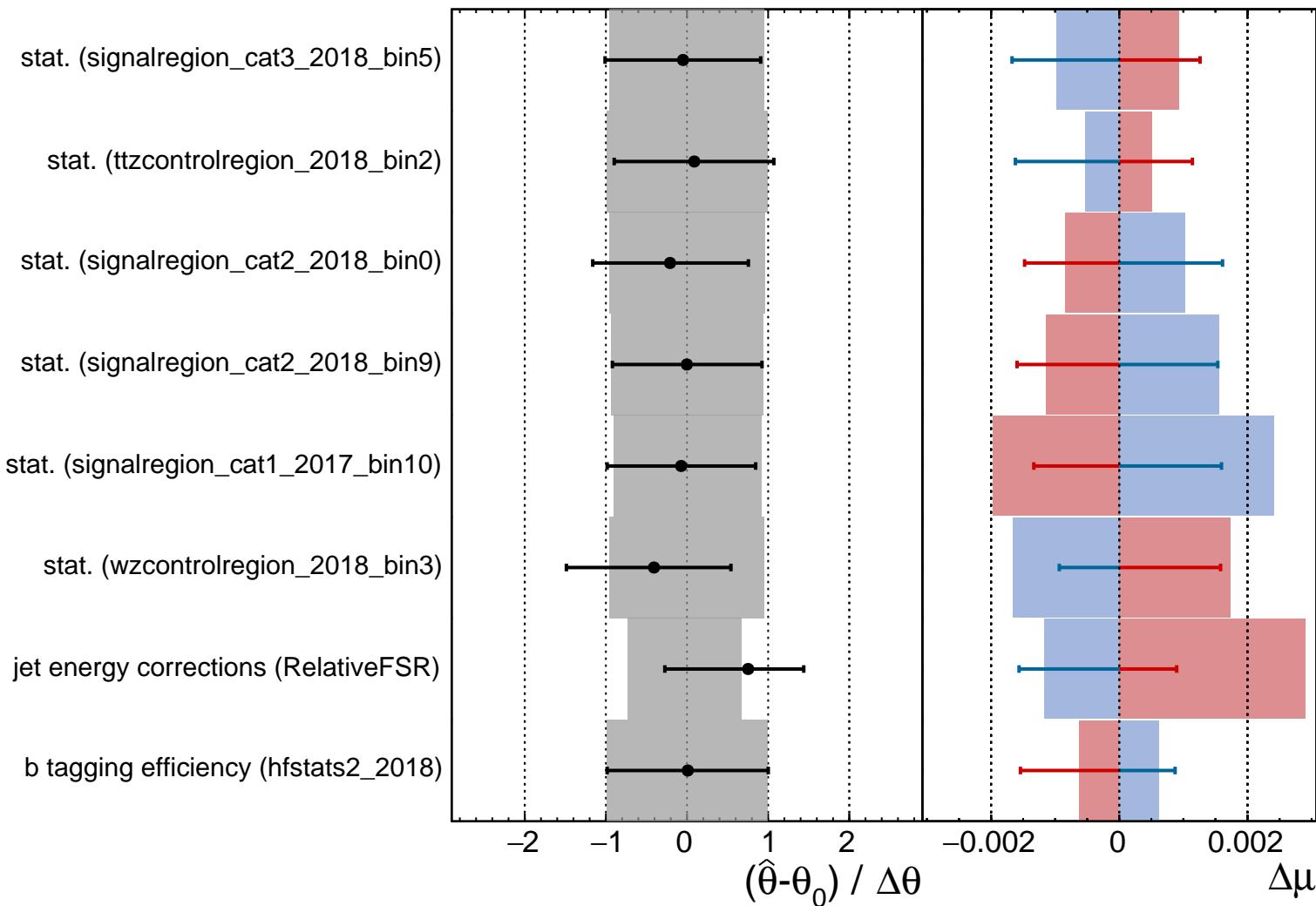
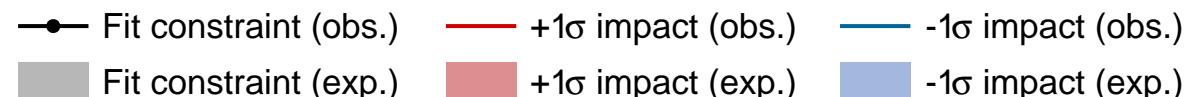


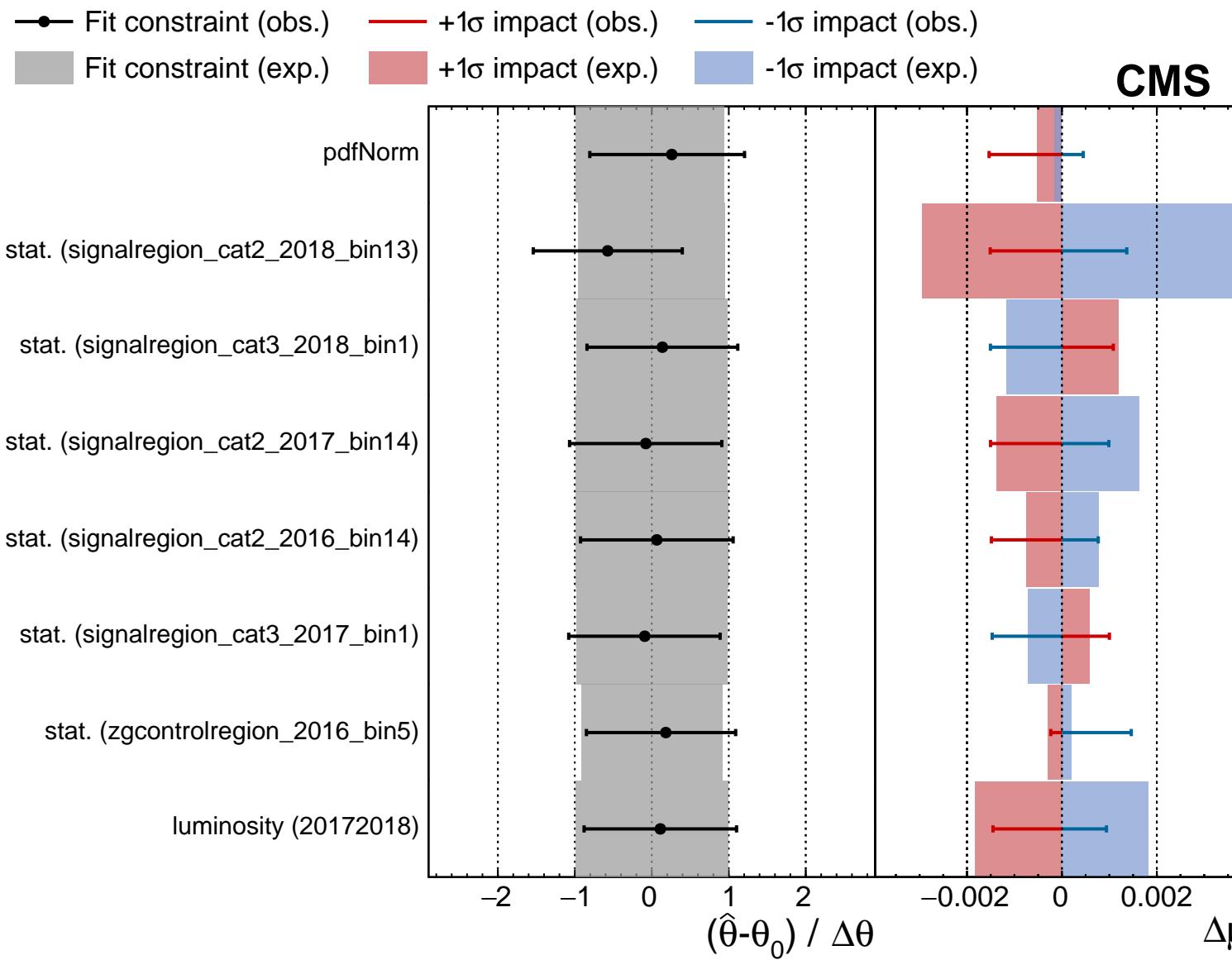


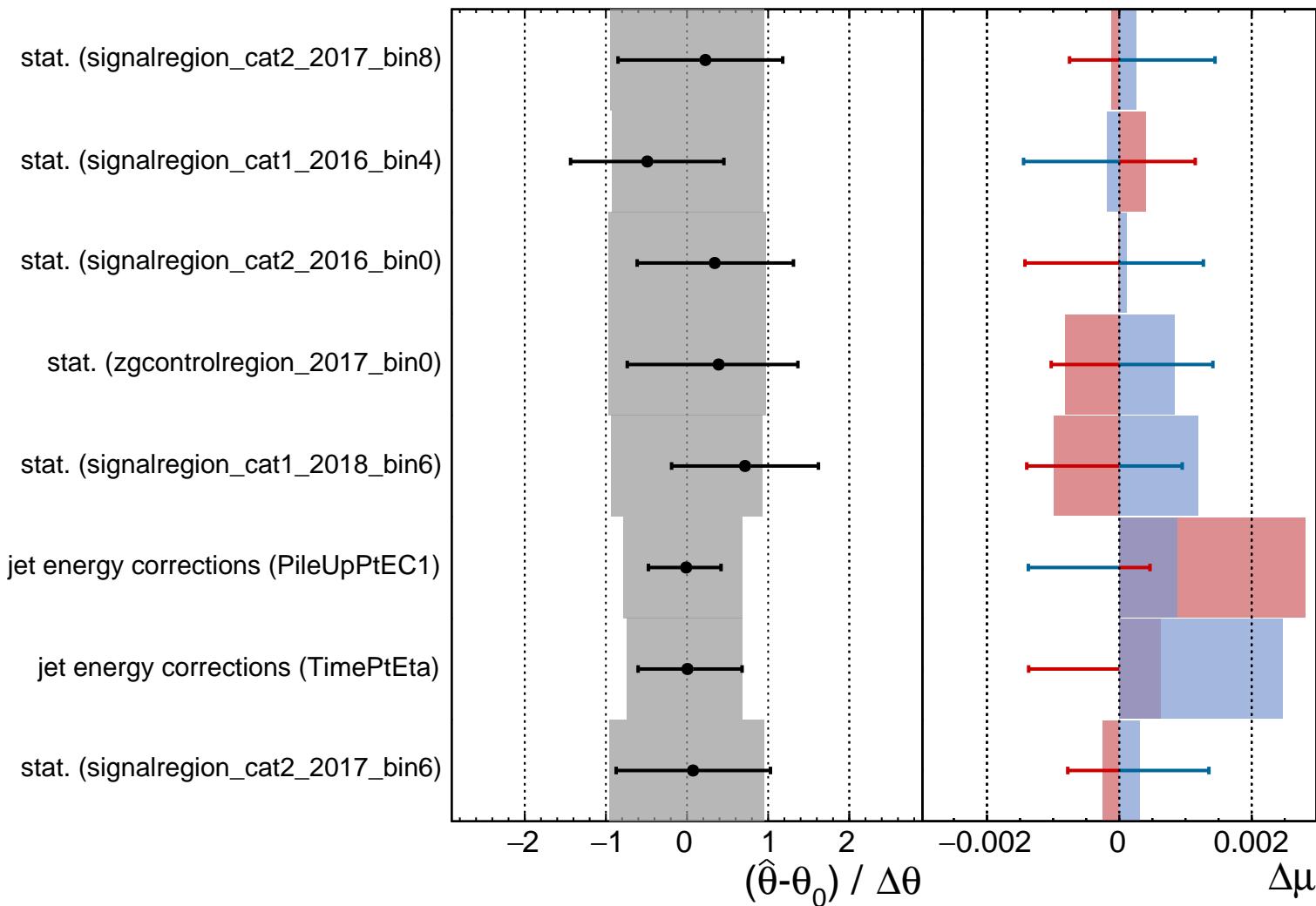
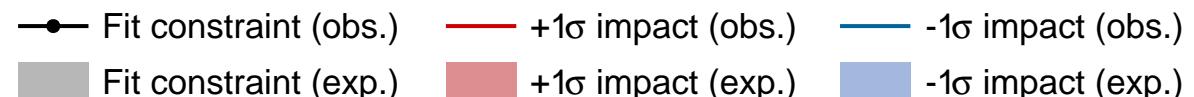


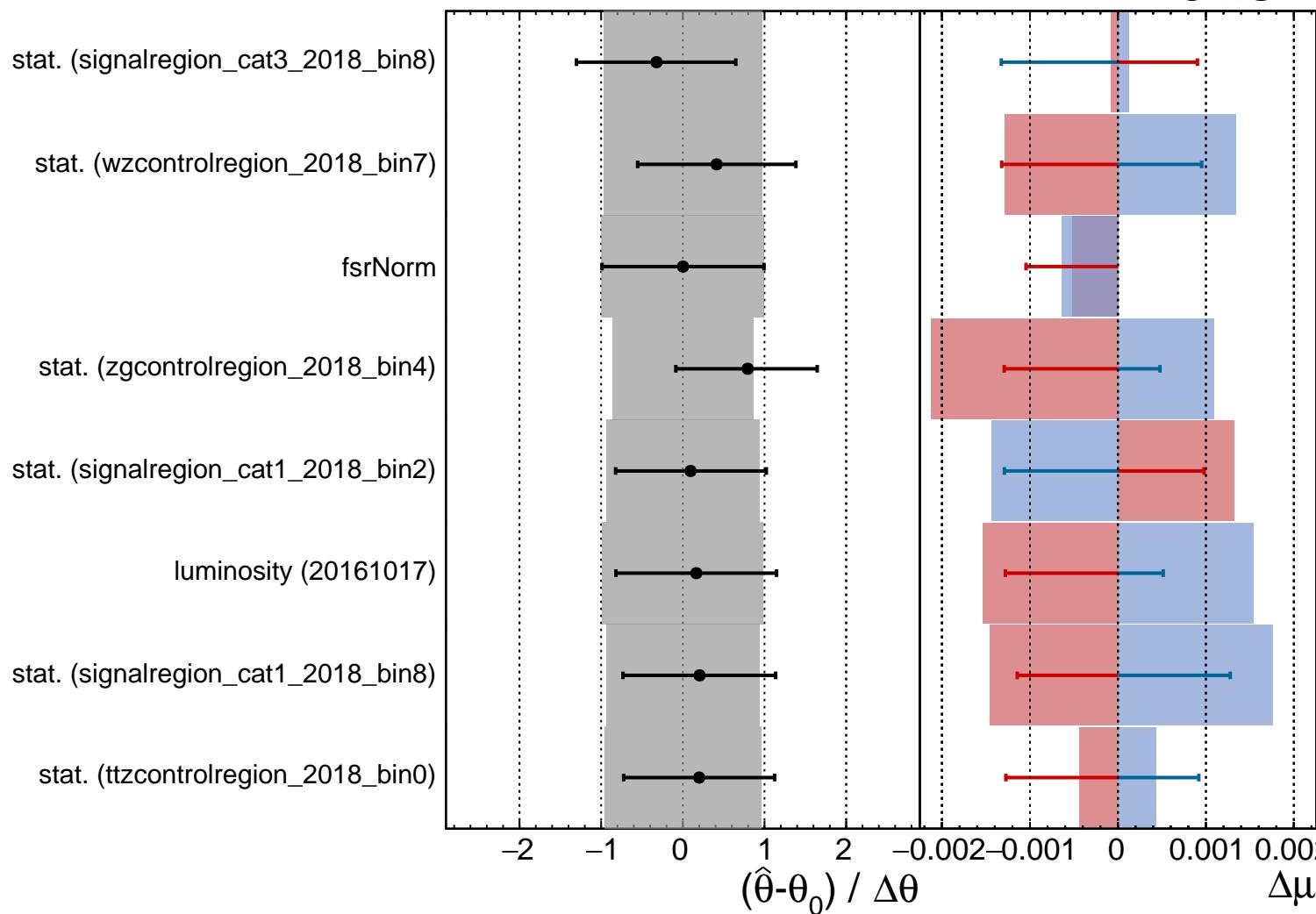
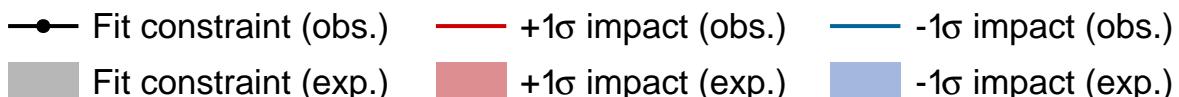
● Fit constraint (obs.) — +1 σ impact (obs.) — -1 σ impact (obs.)
 Fit constraint (exp.) +1 σ impact (exp.) -1 σ impact (exp.)

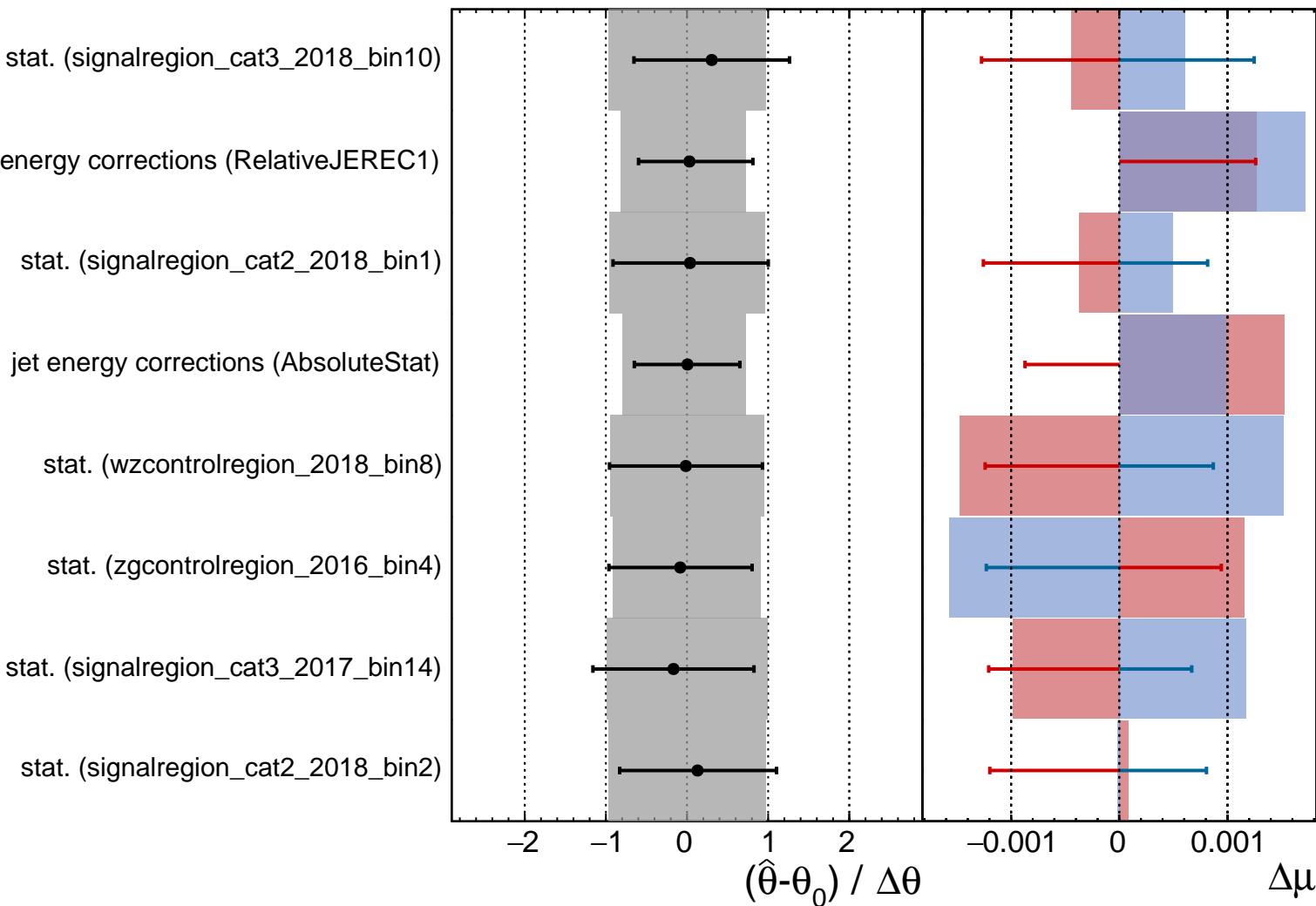
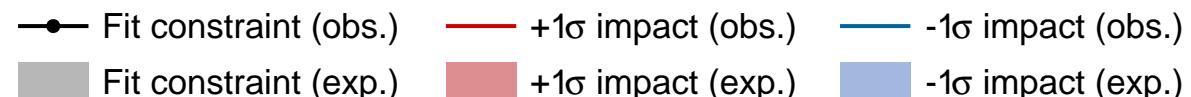


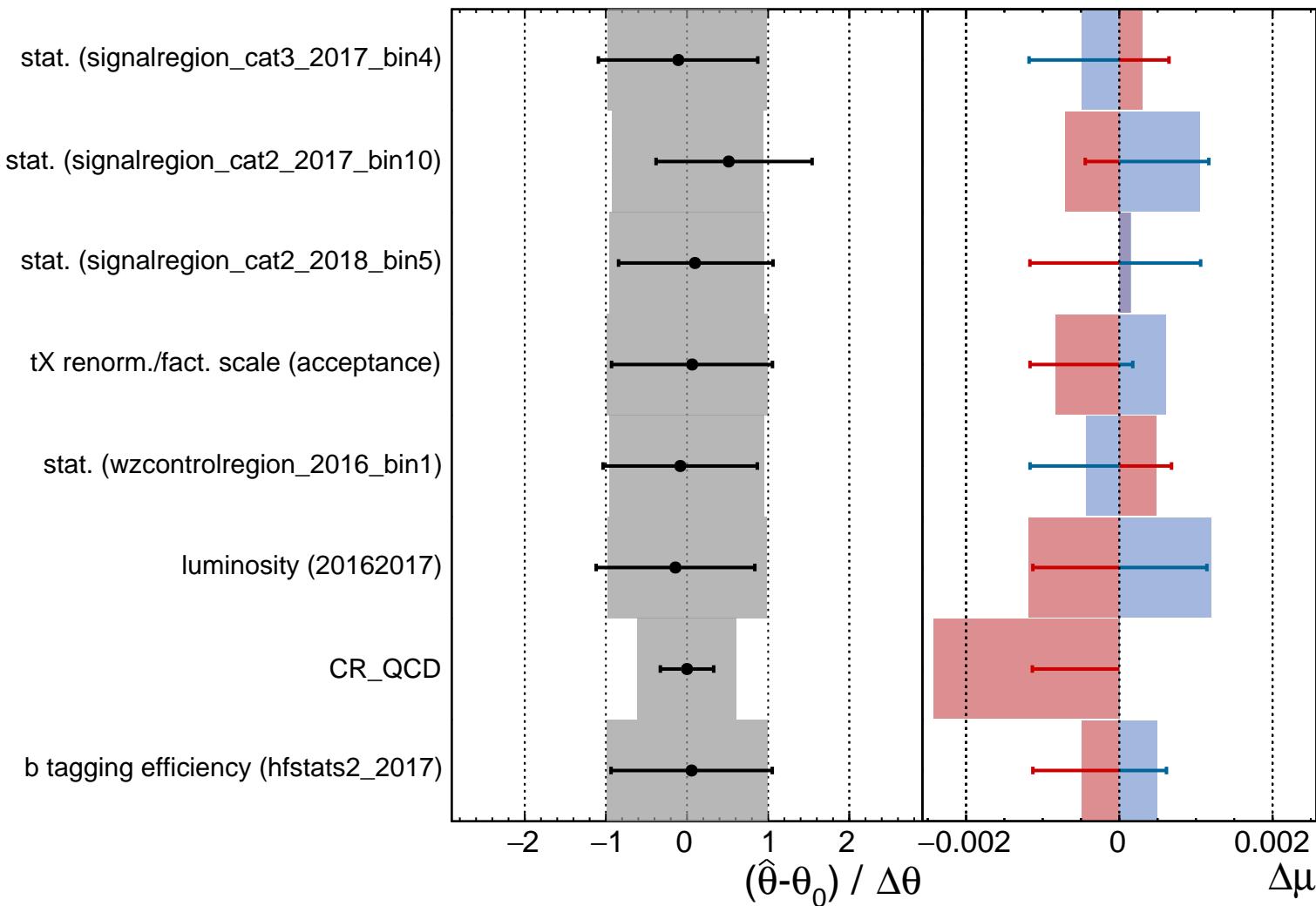
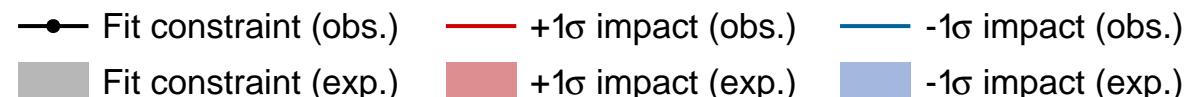


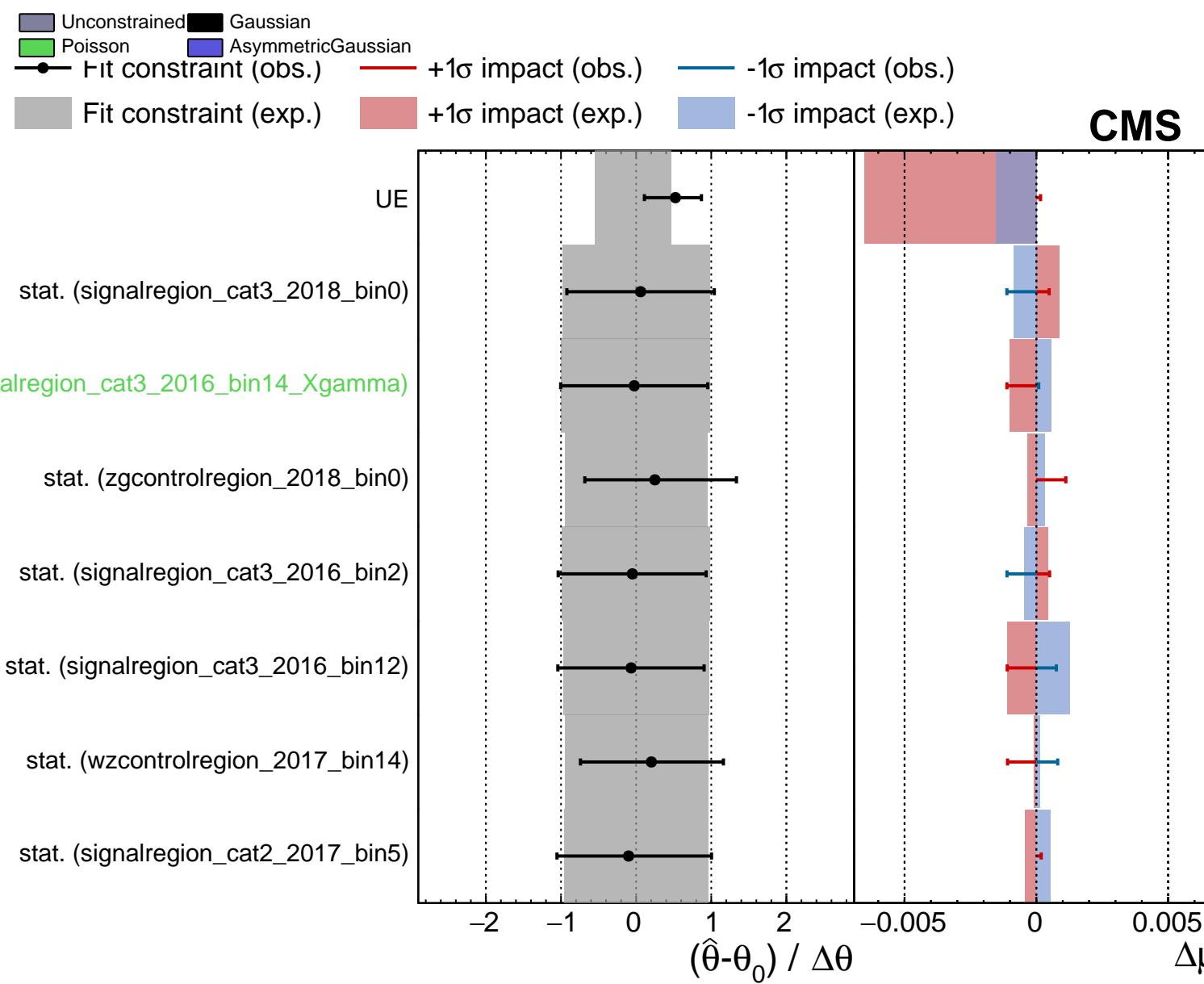


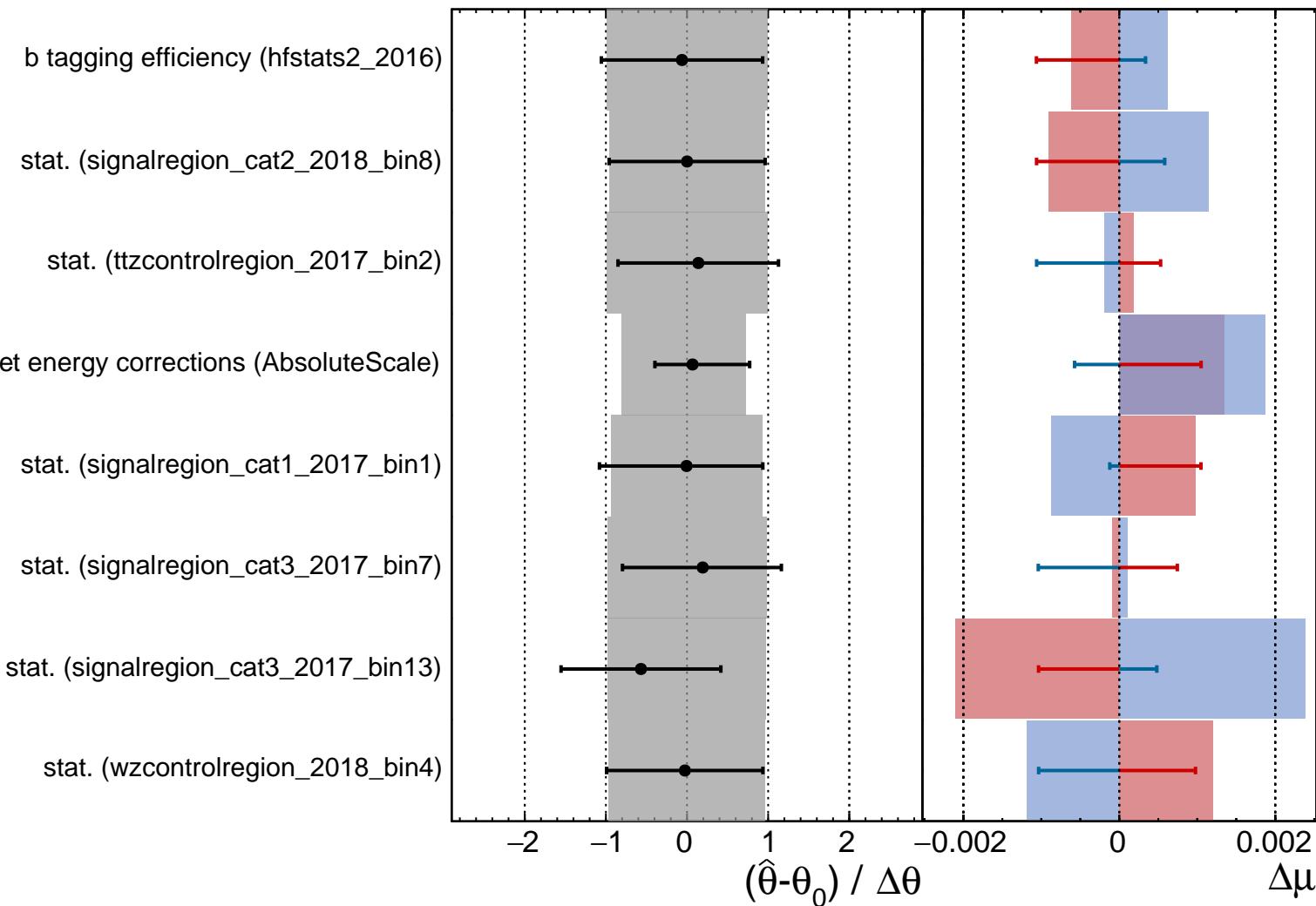
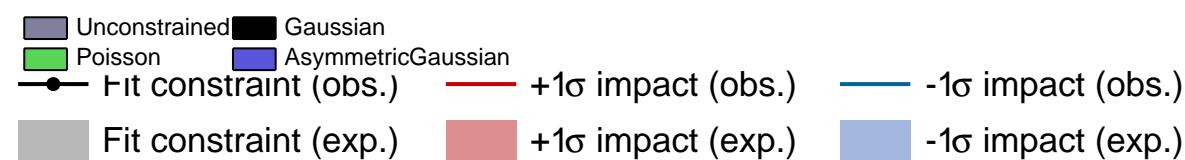


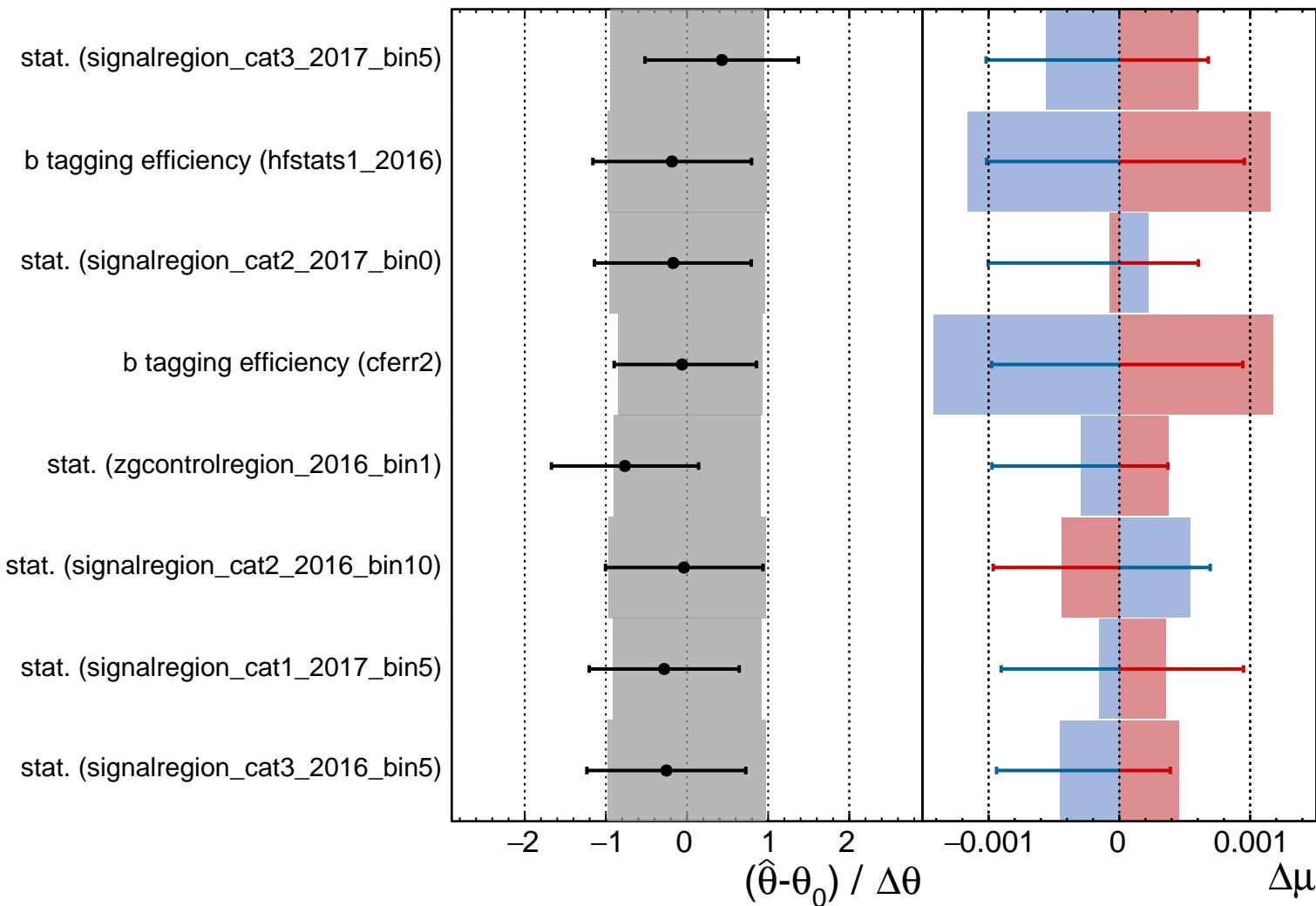
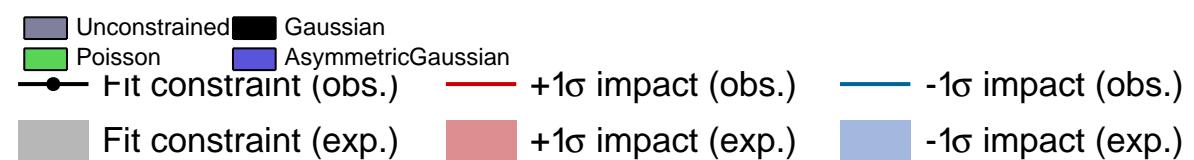


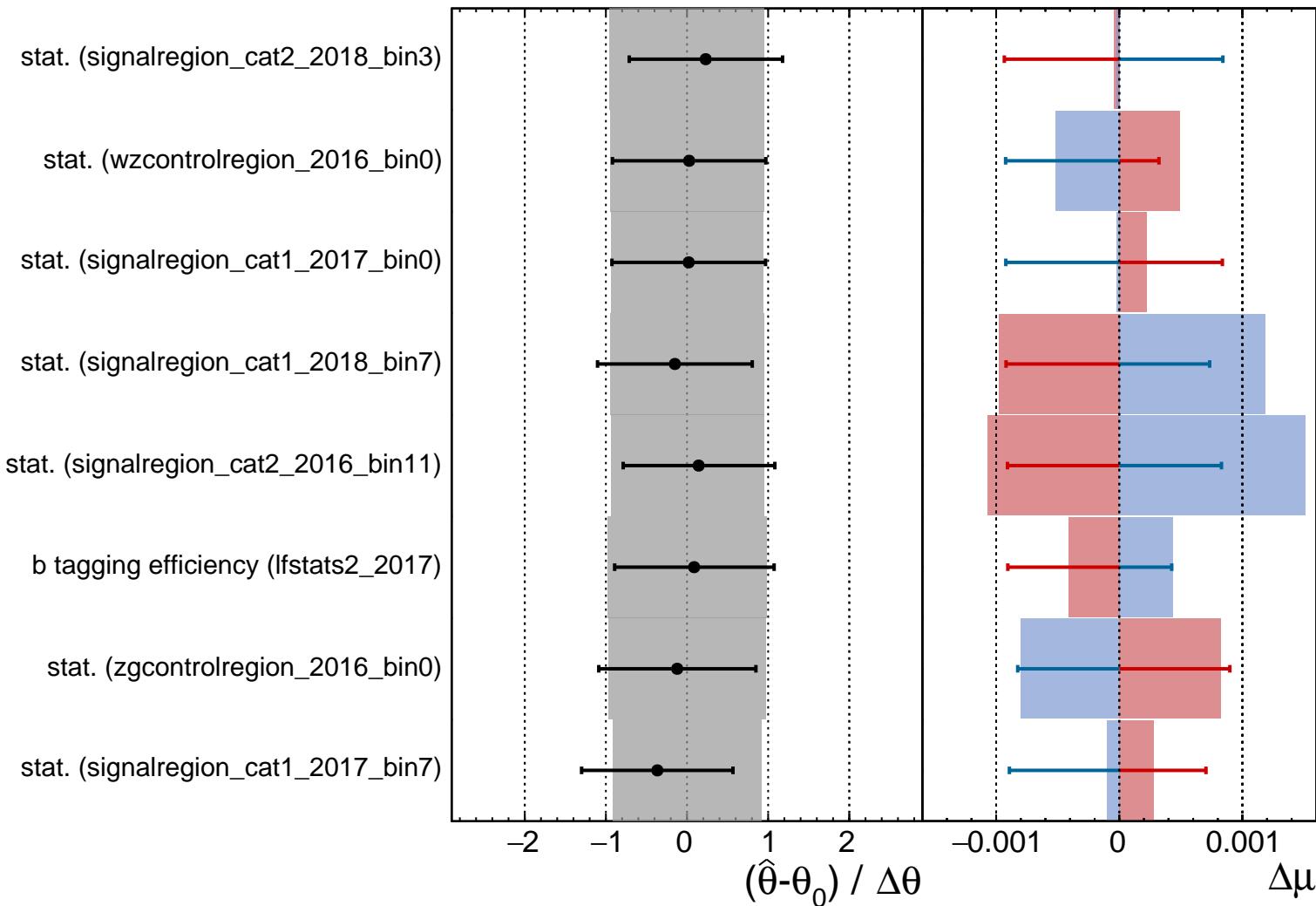
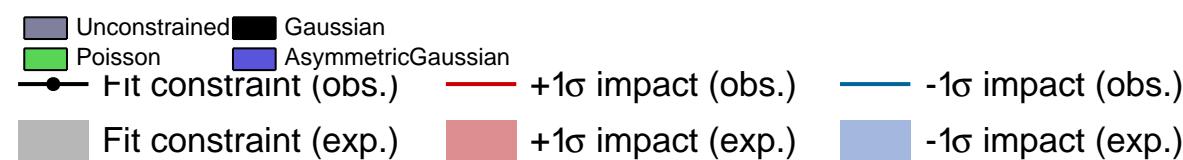


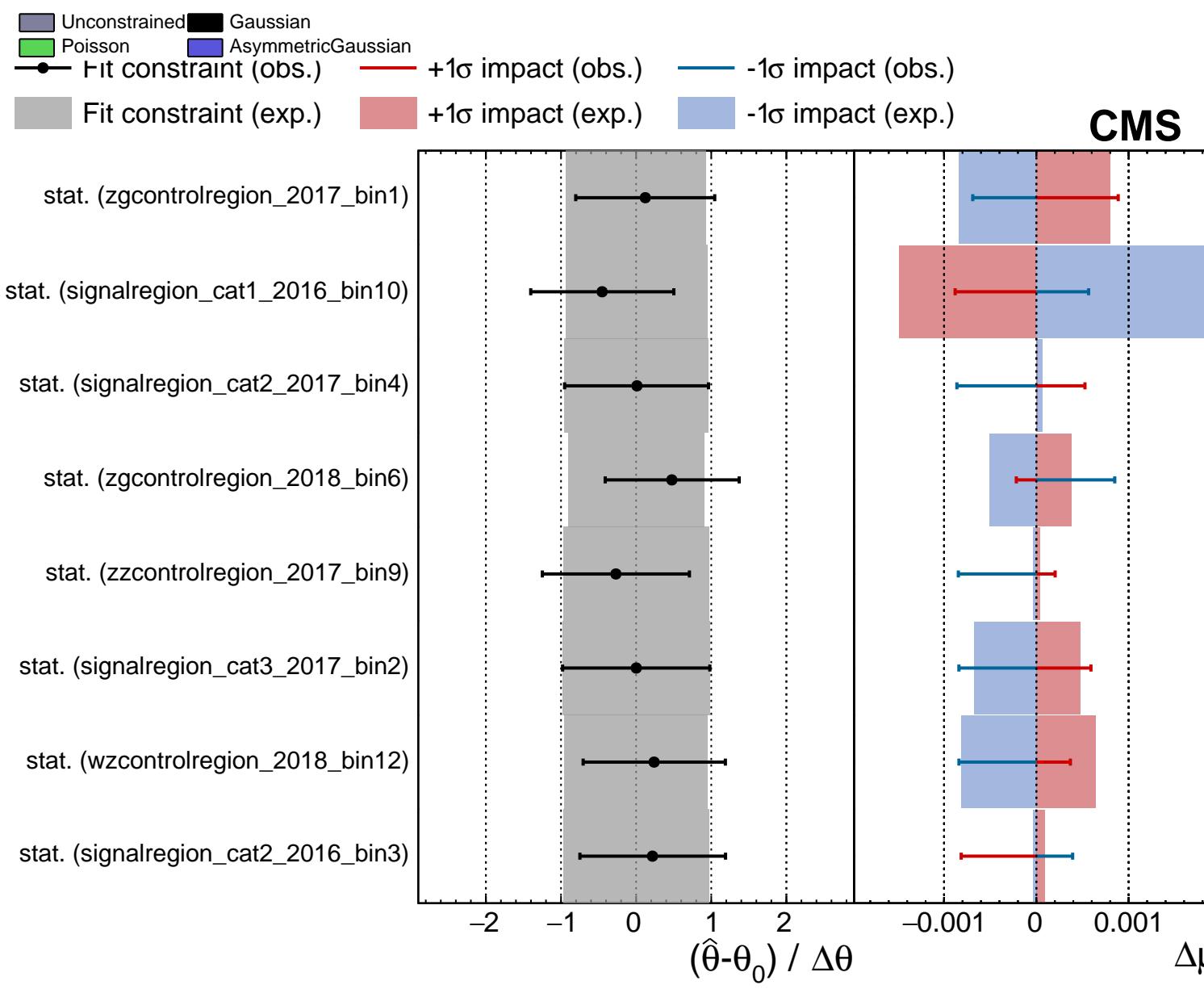


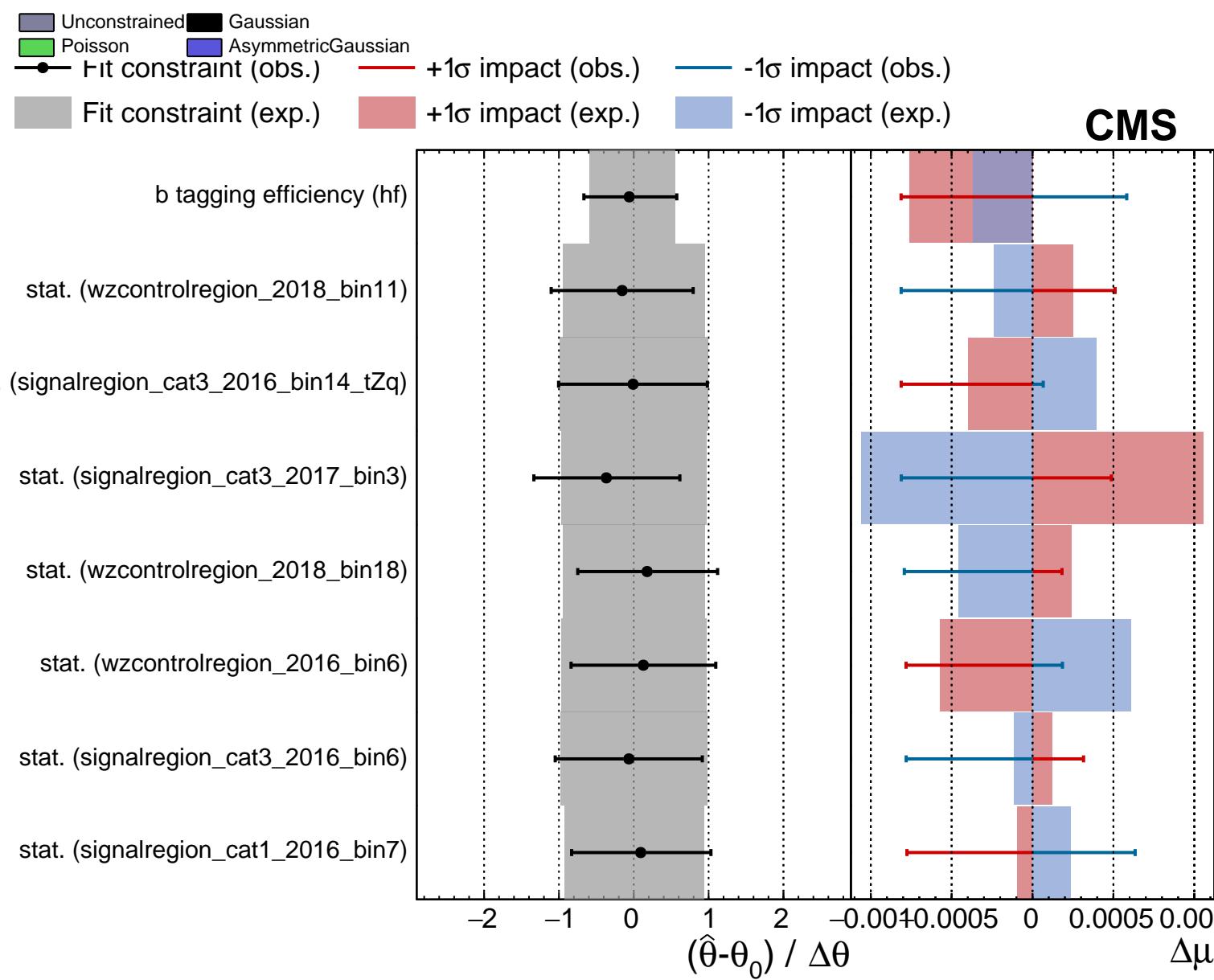


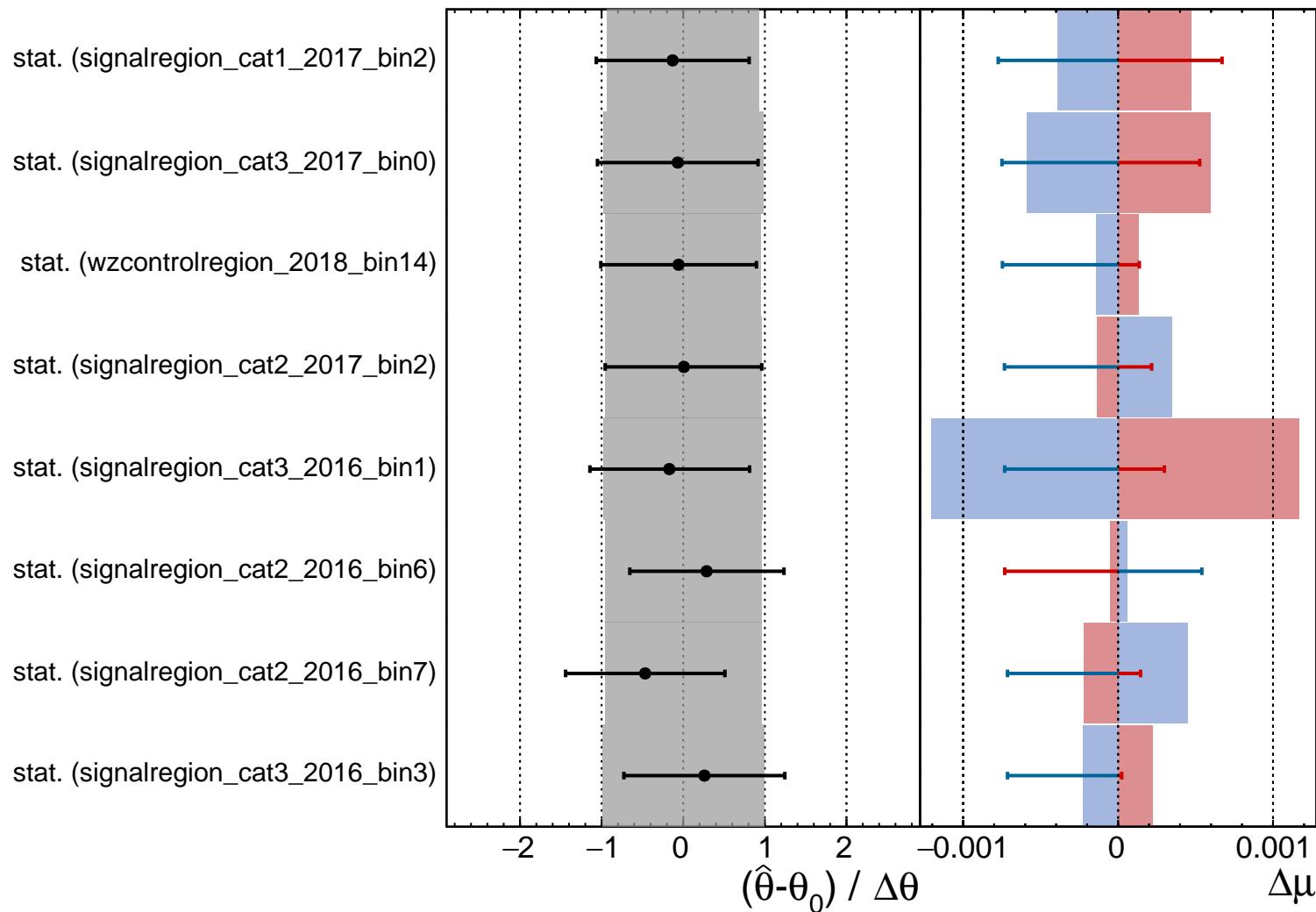


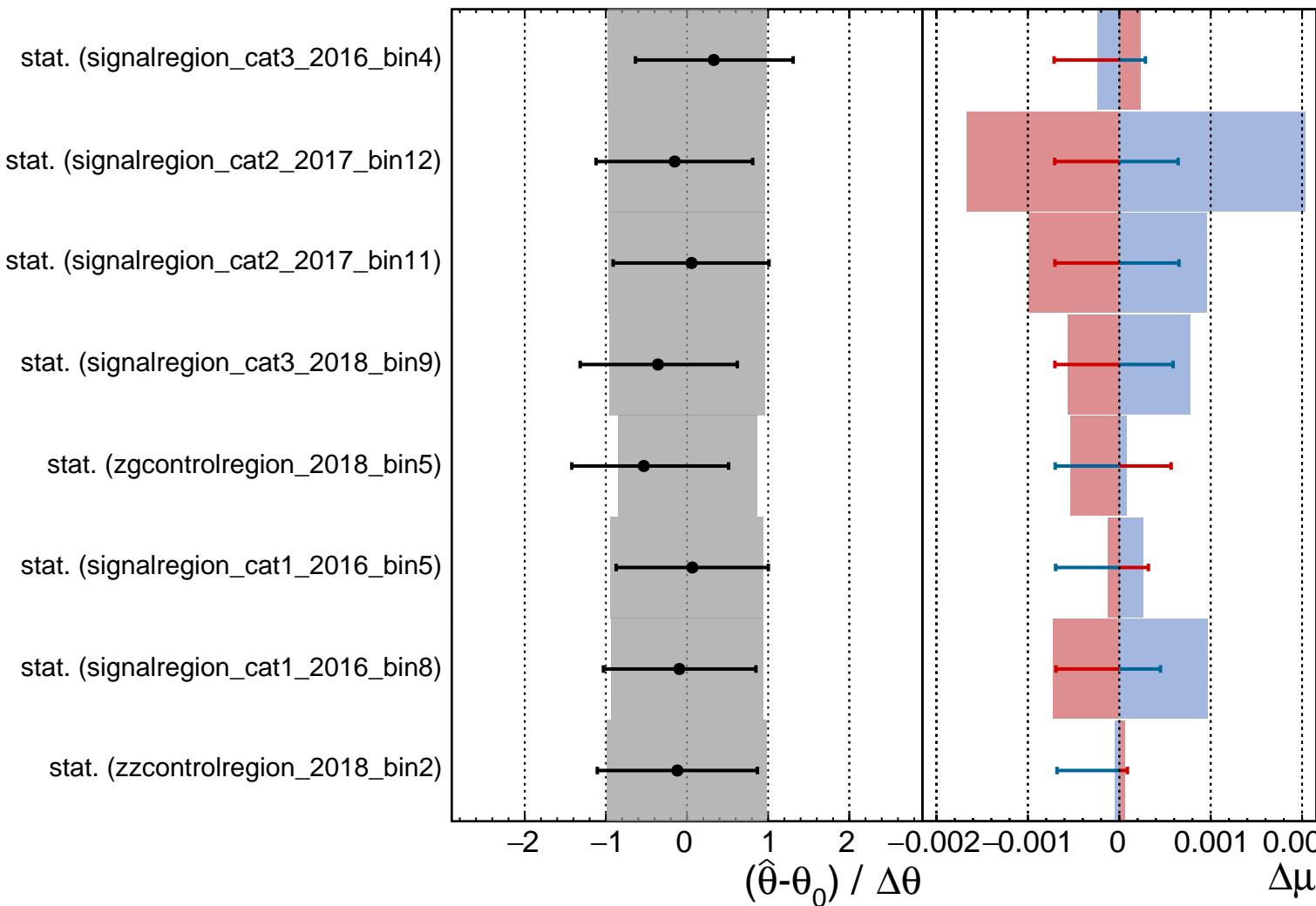
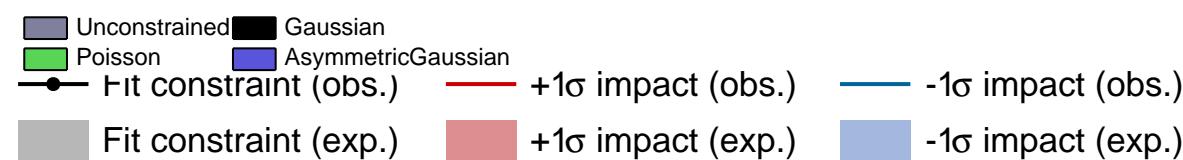


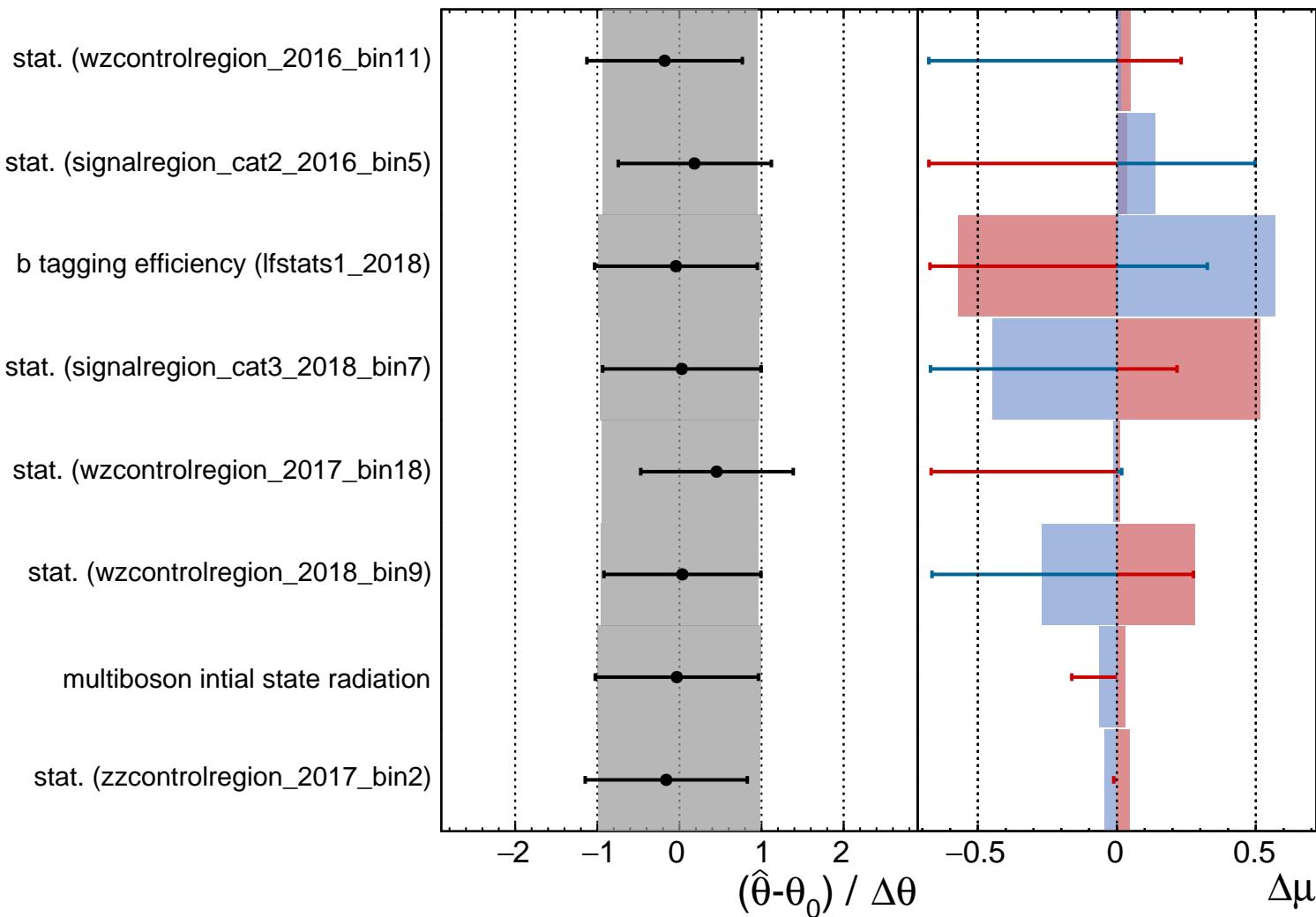


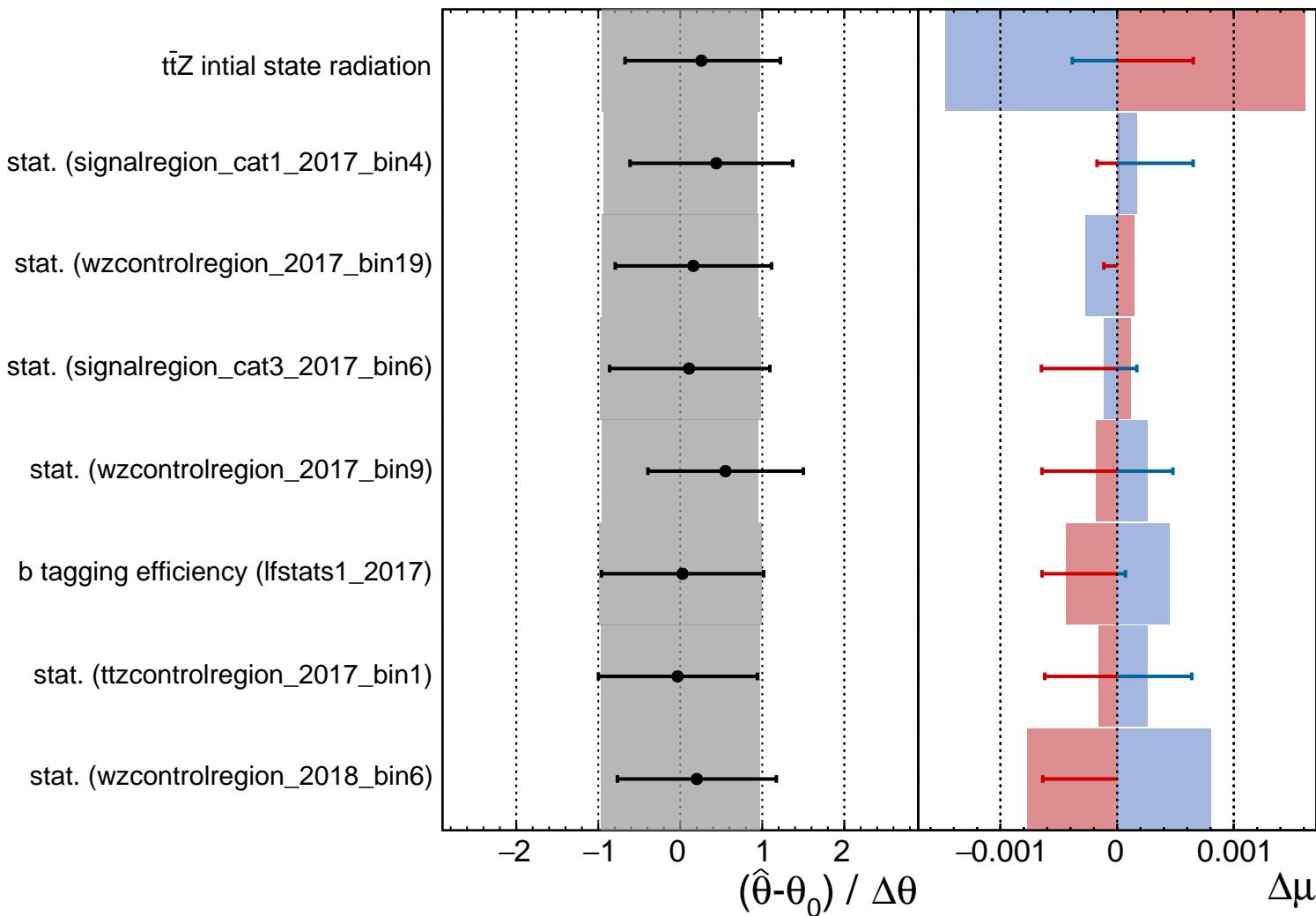


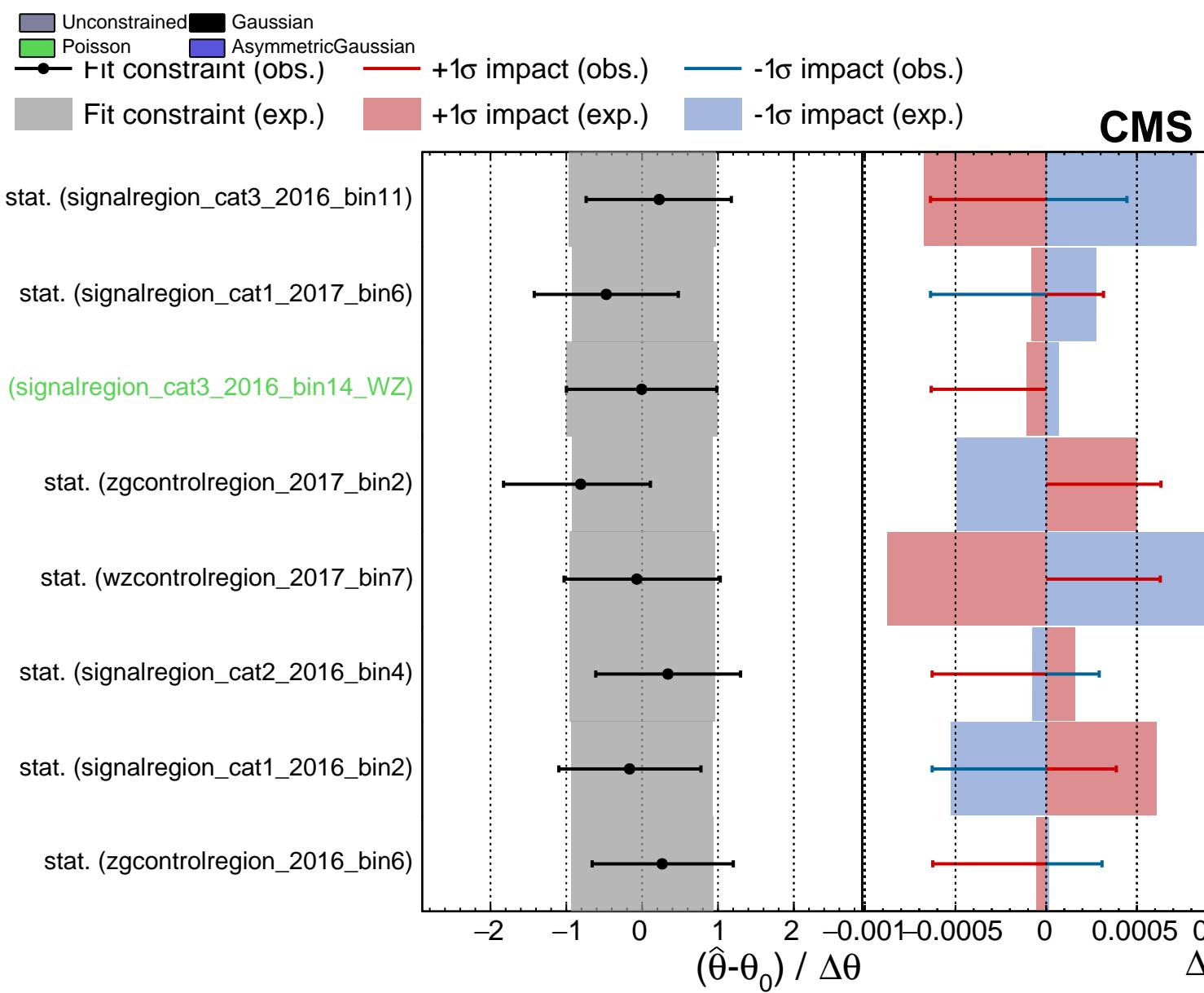


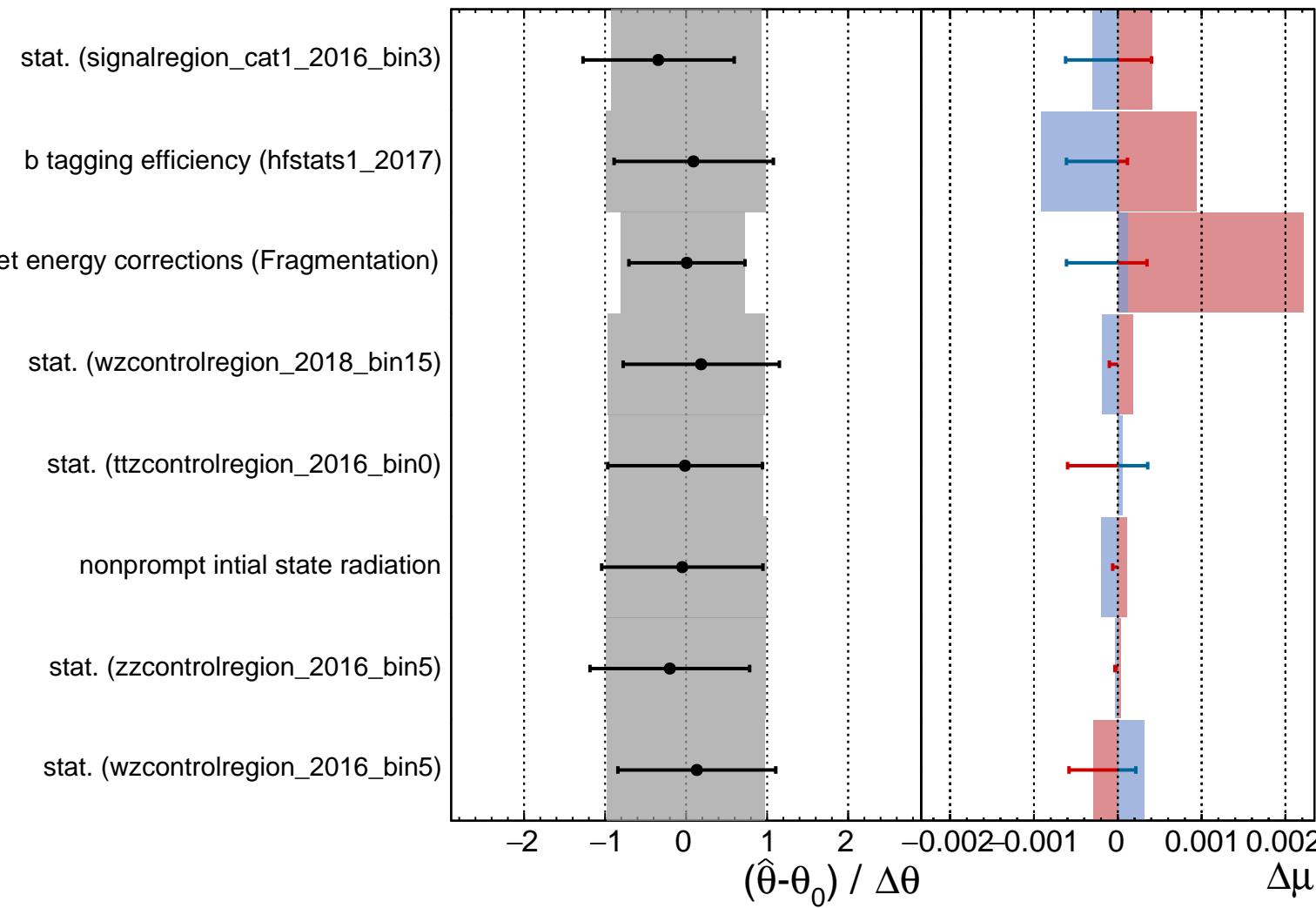
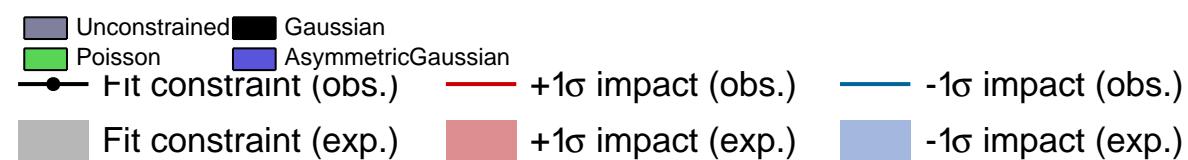


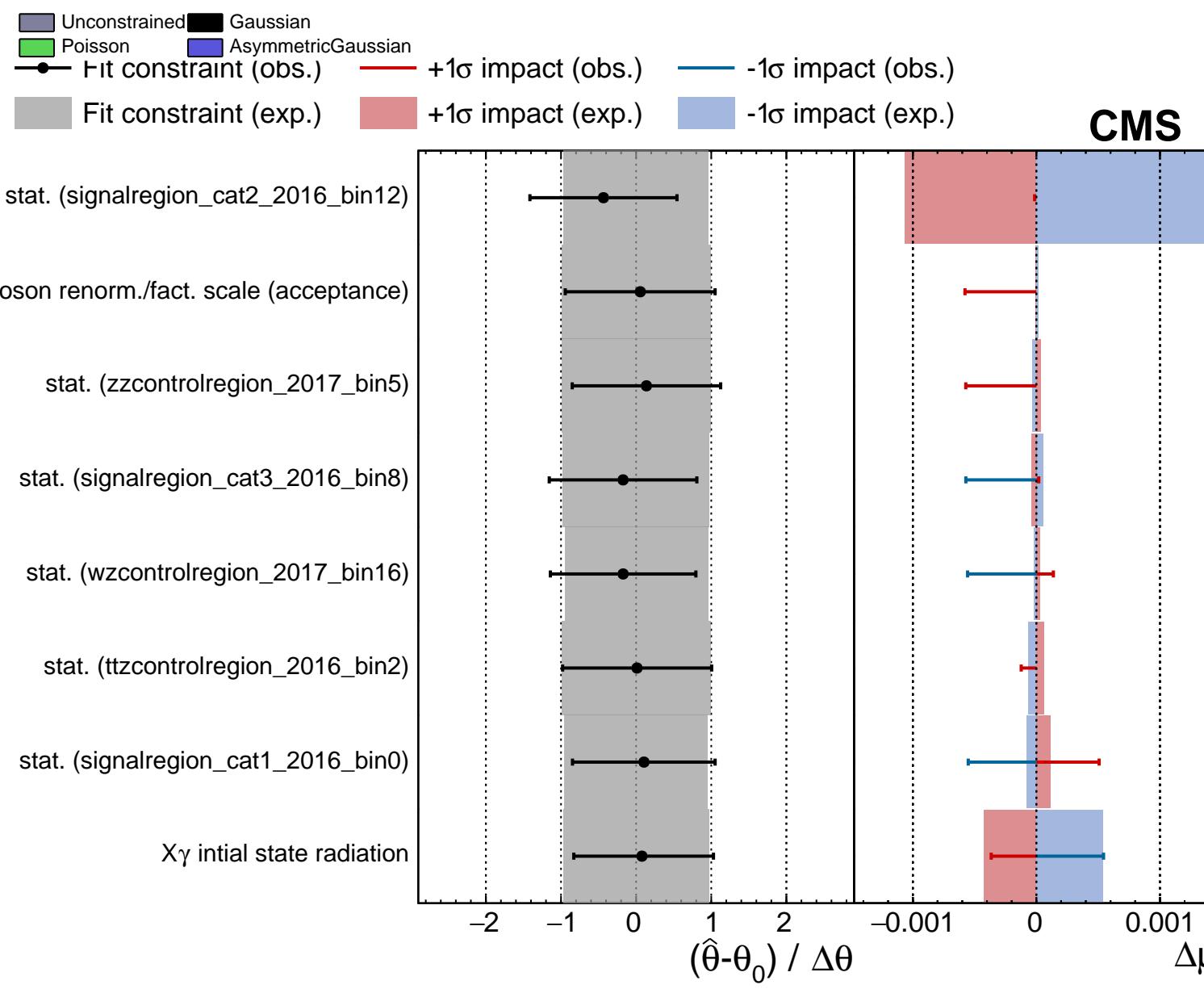


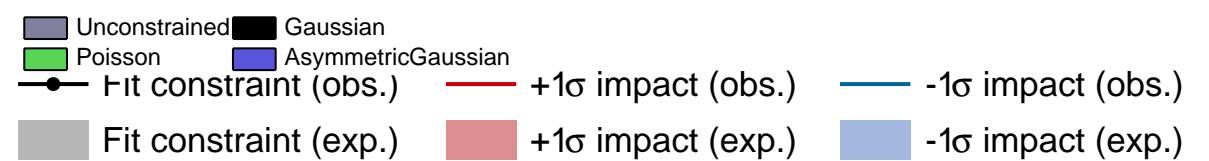




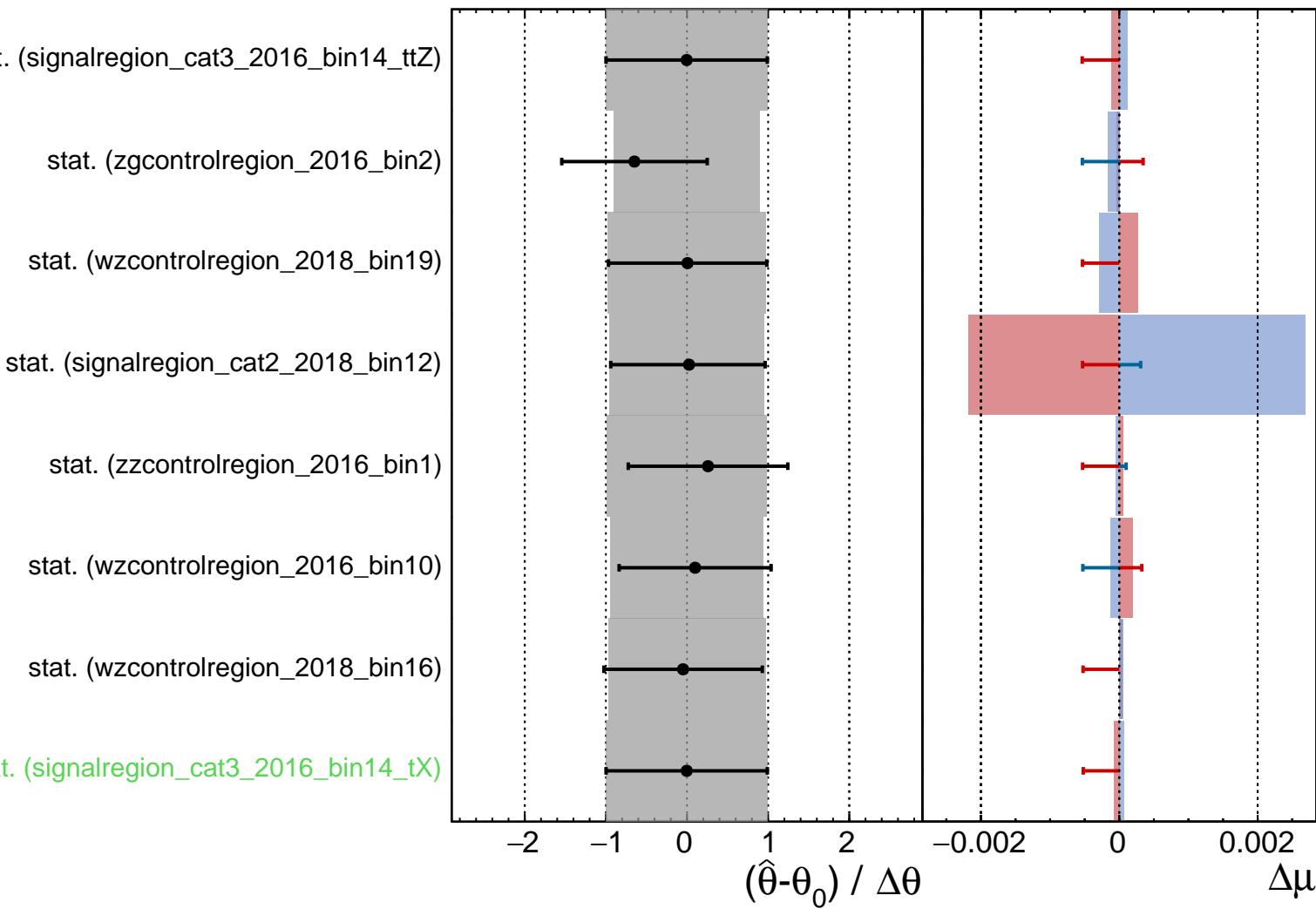


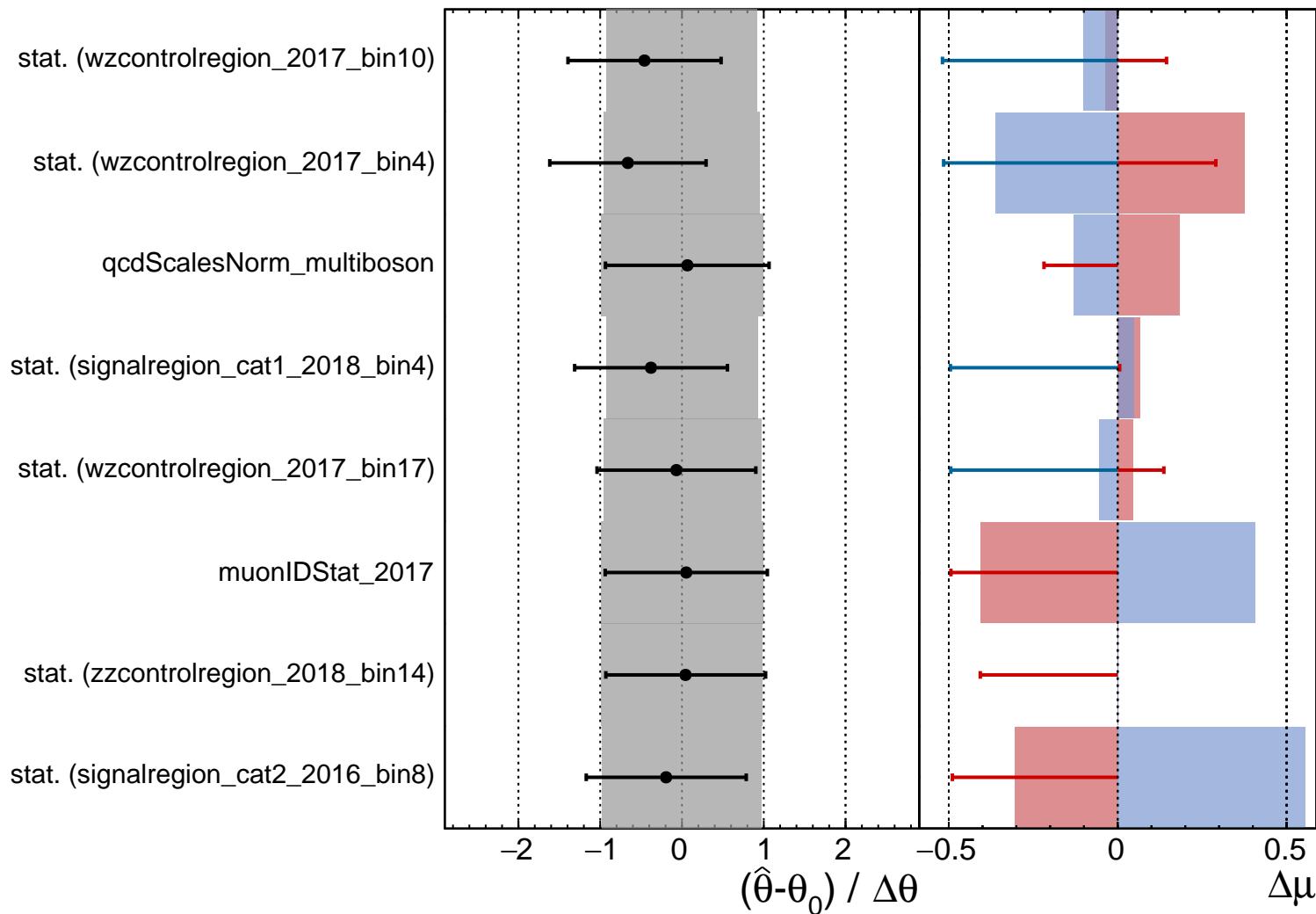


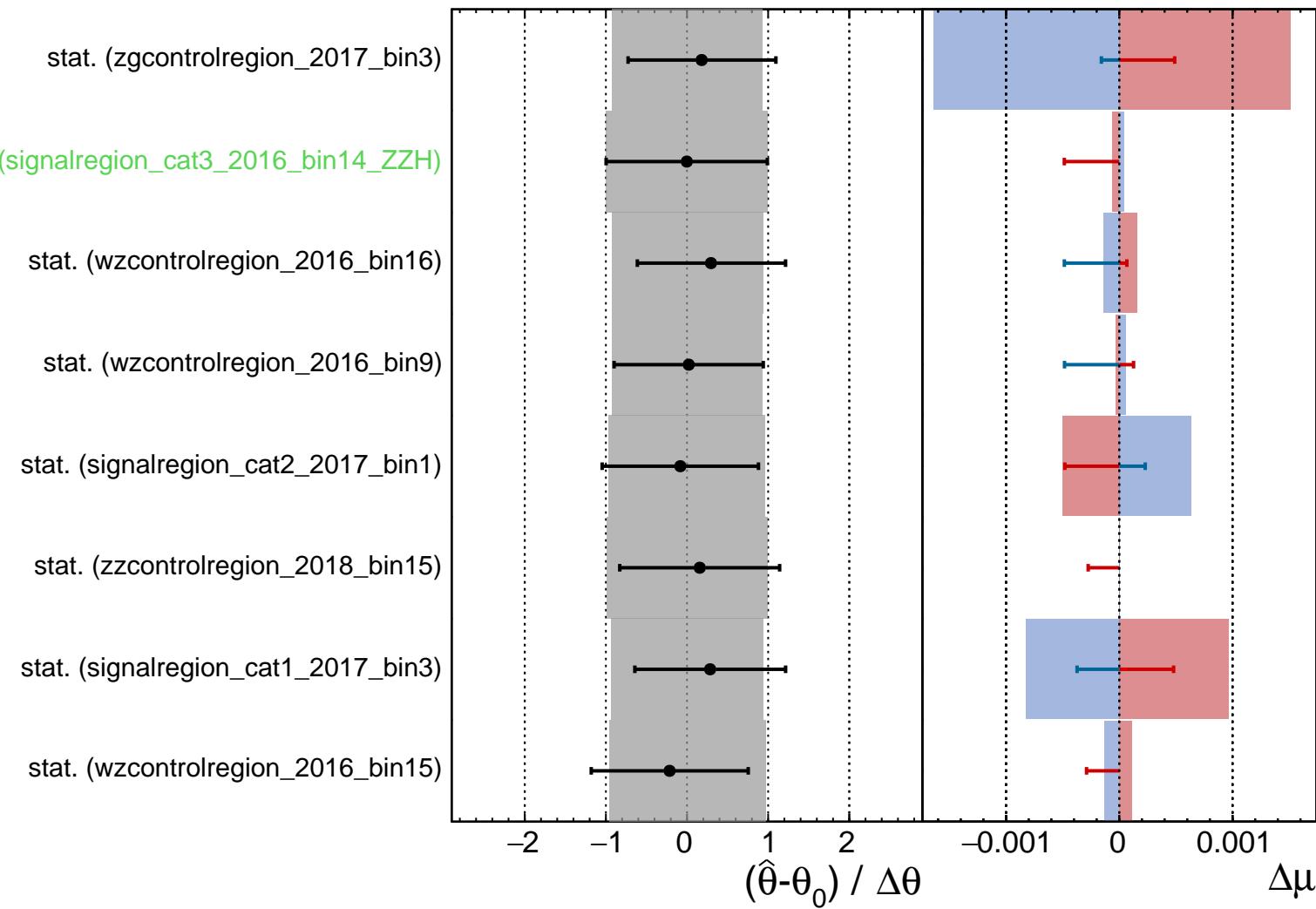


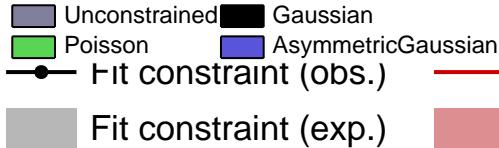


CMS









stat. (wzcontrolregion_2018_bin13)

stat. (zzcontrolregion_2016_bin8)

muonIDStat_2018

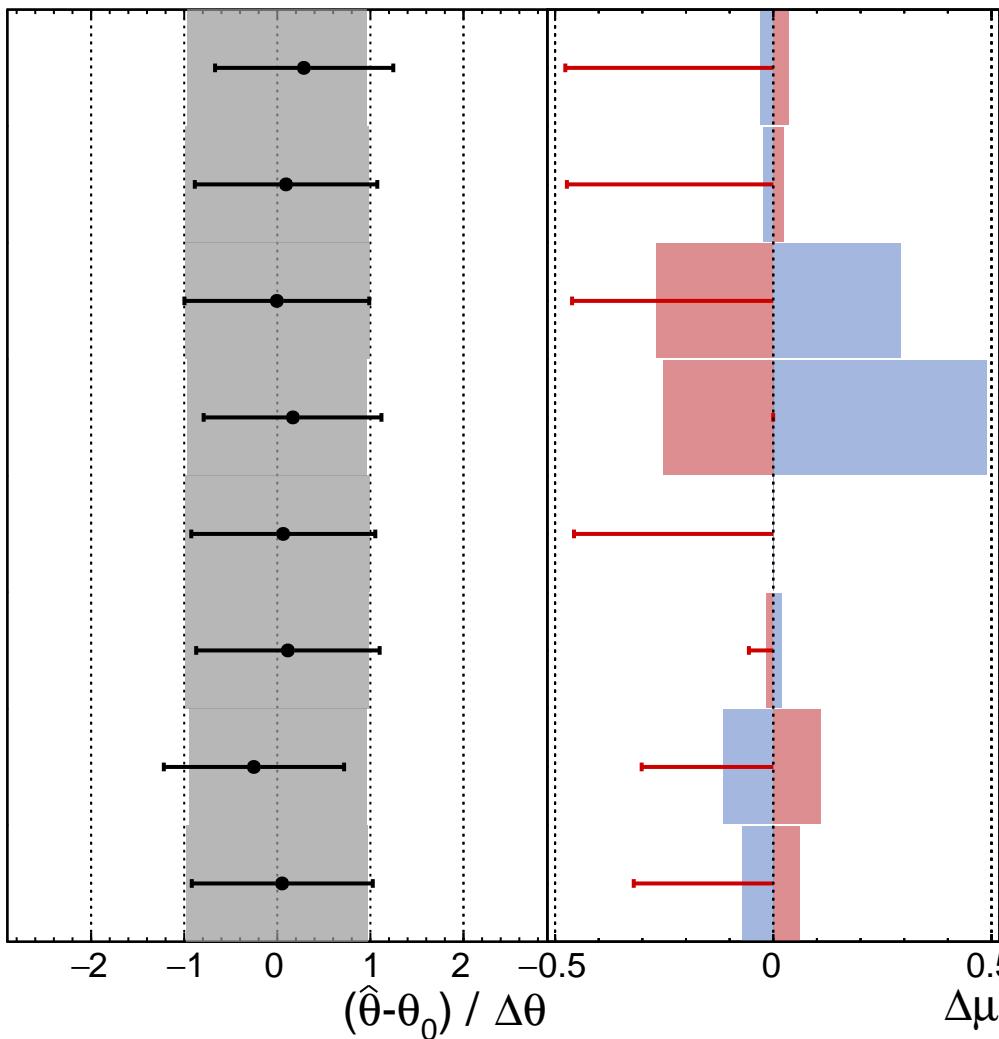
stat. (signalregion_cat2_2018_bin7)

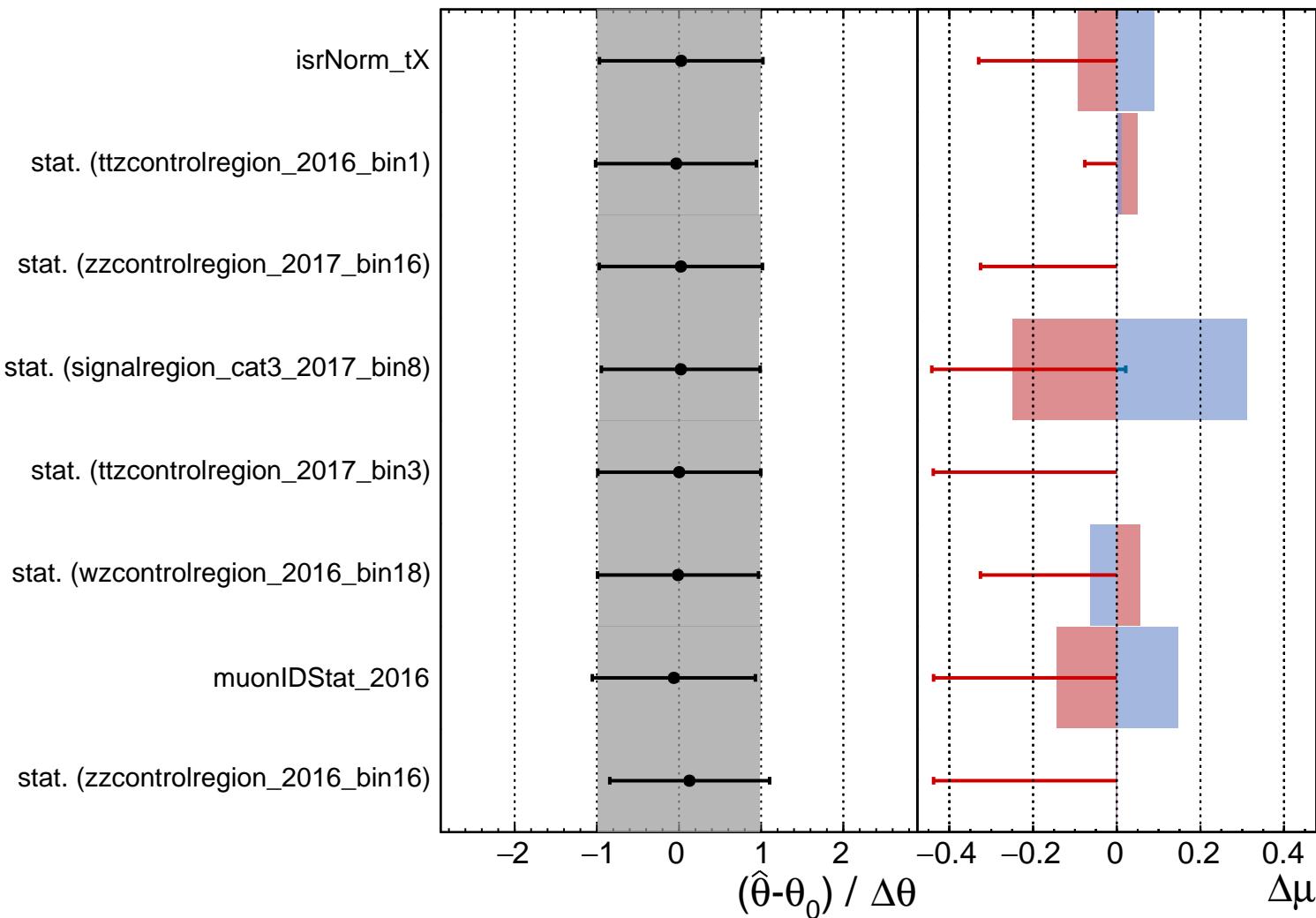
stat. (zzcontrolregion_2016_bin11)

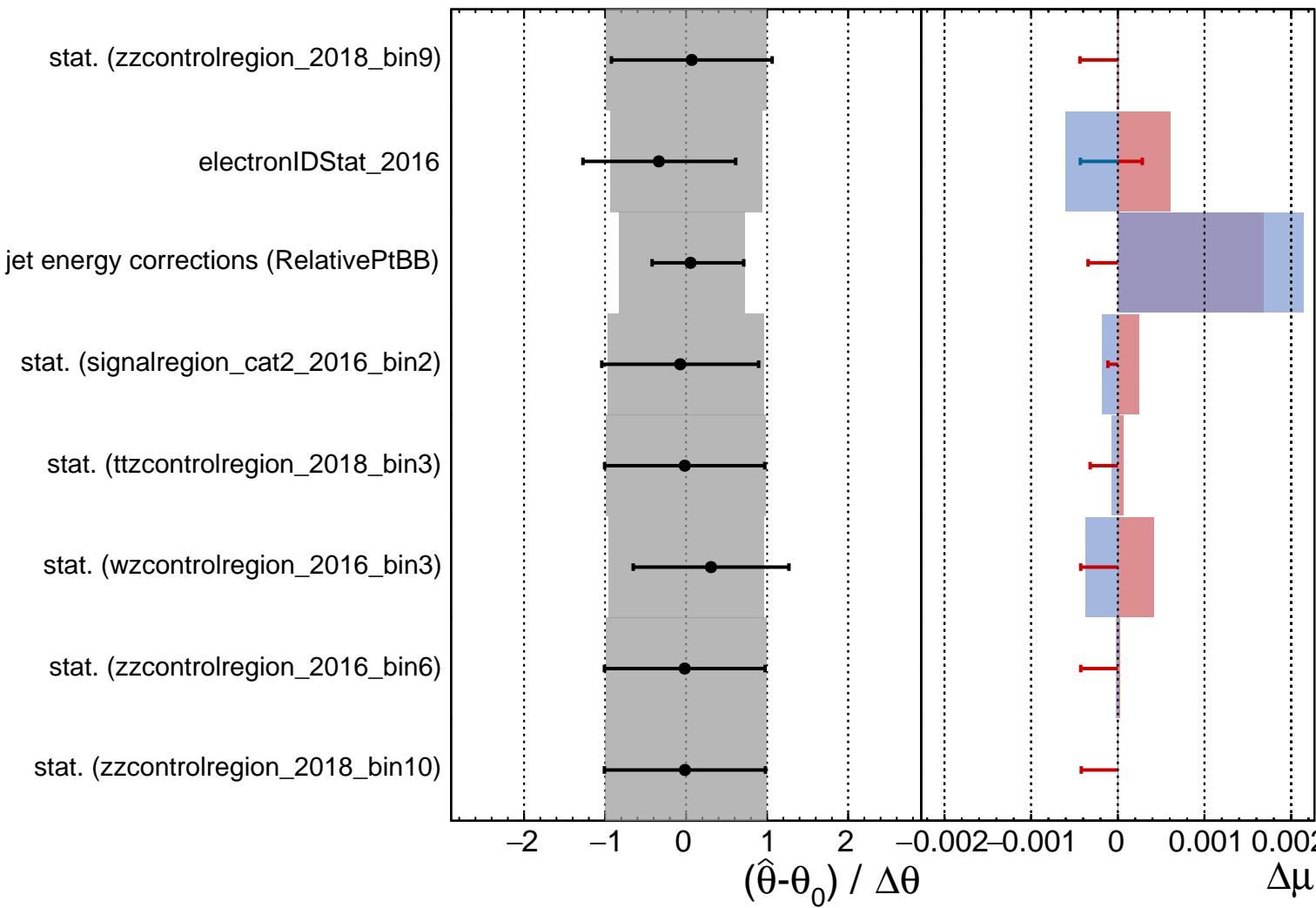
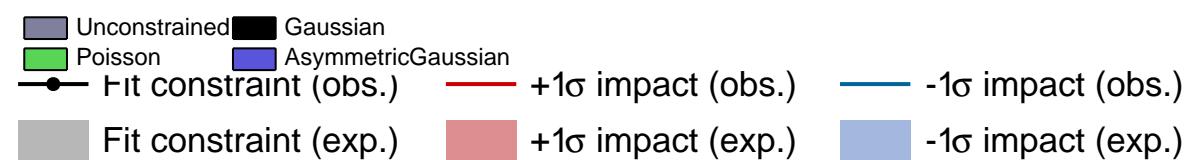
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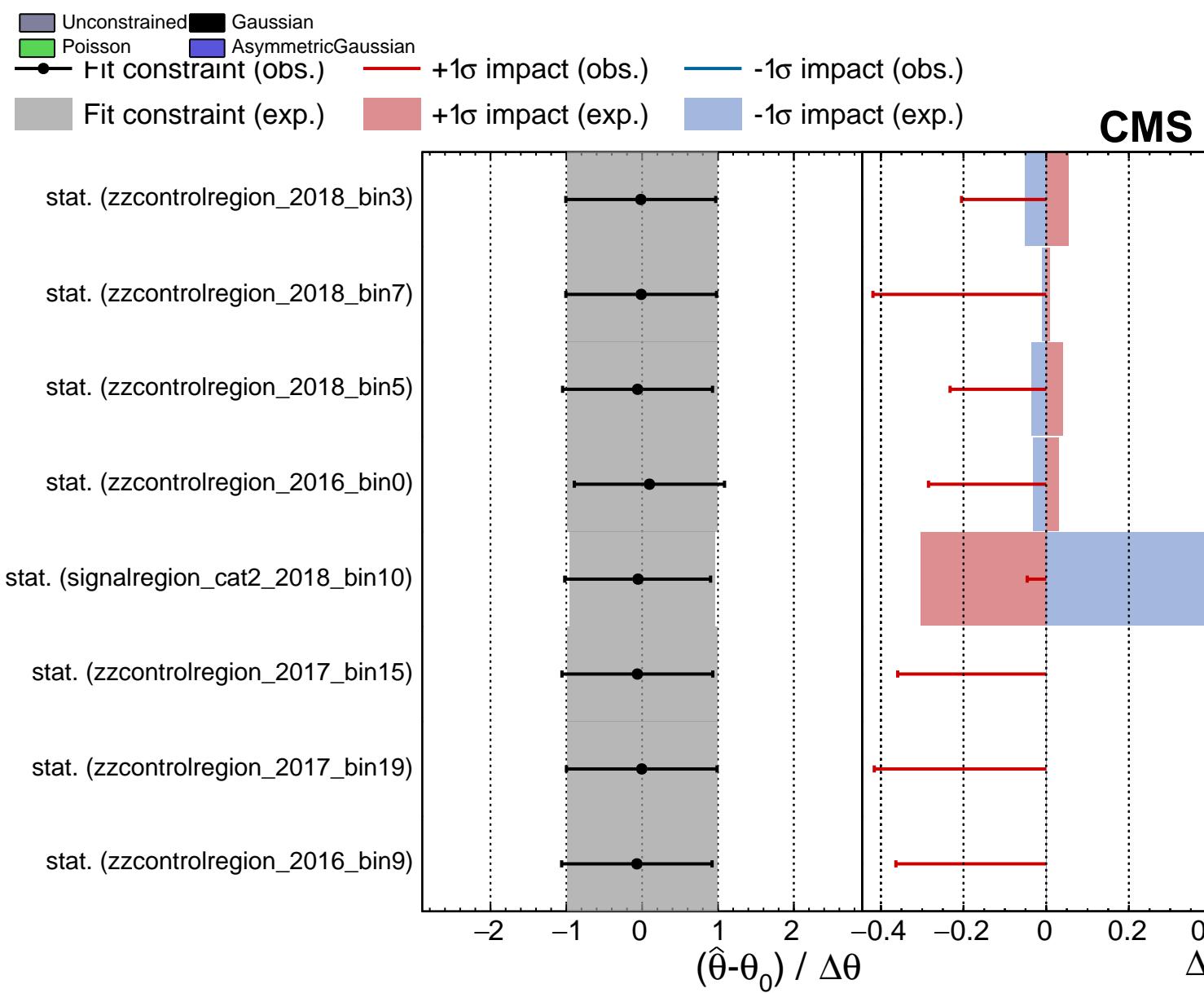
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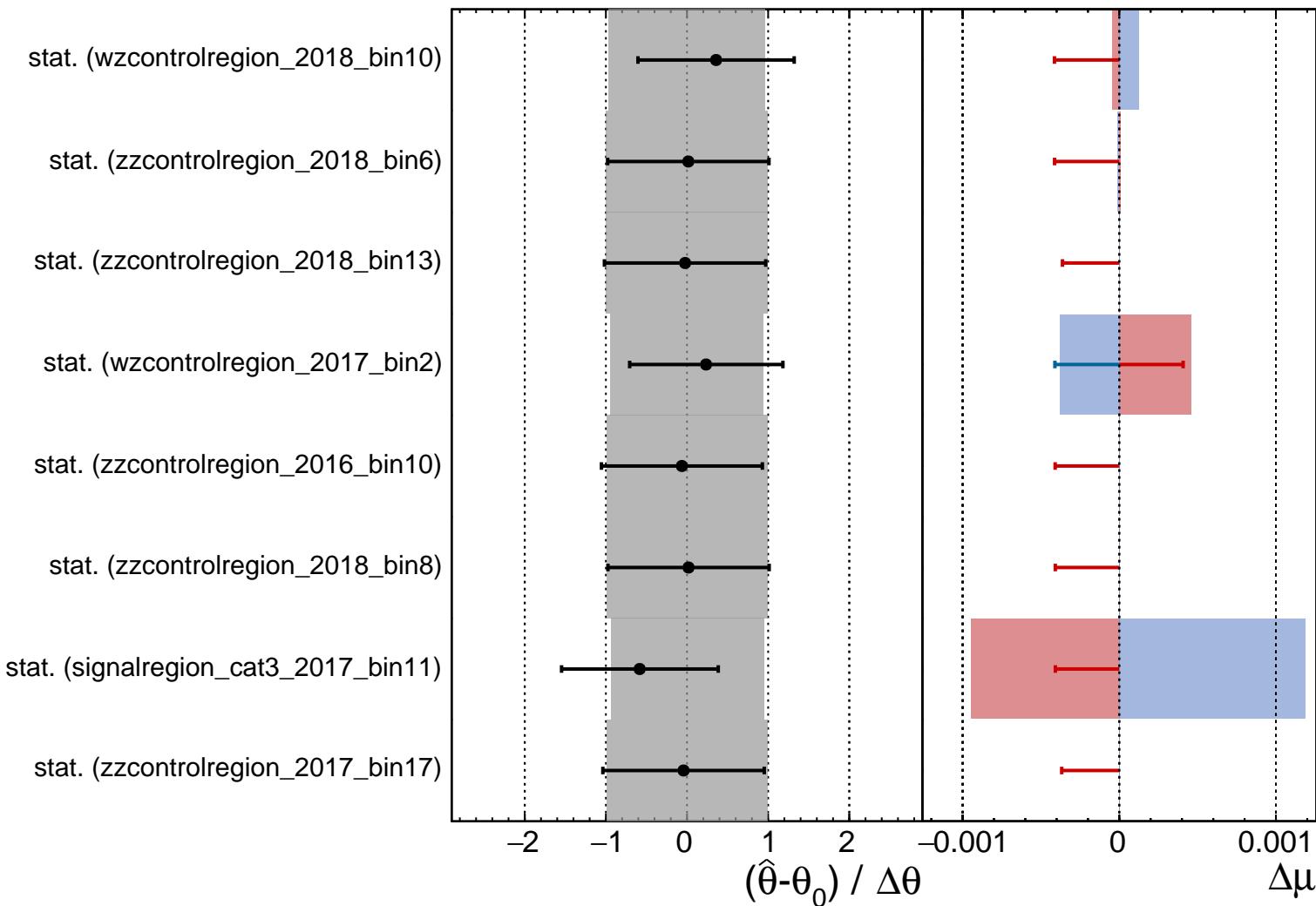
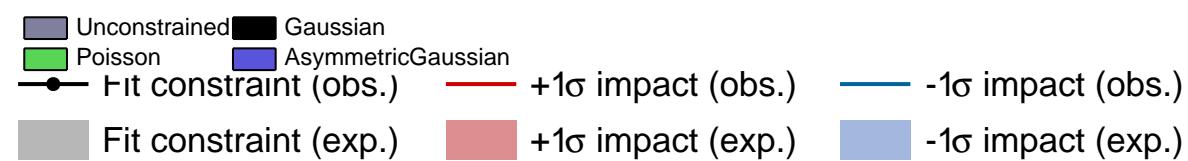
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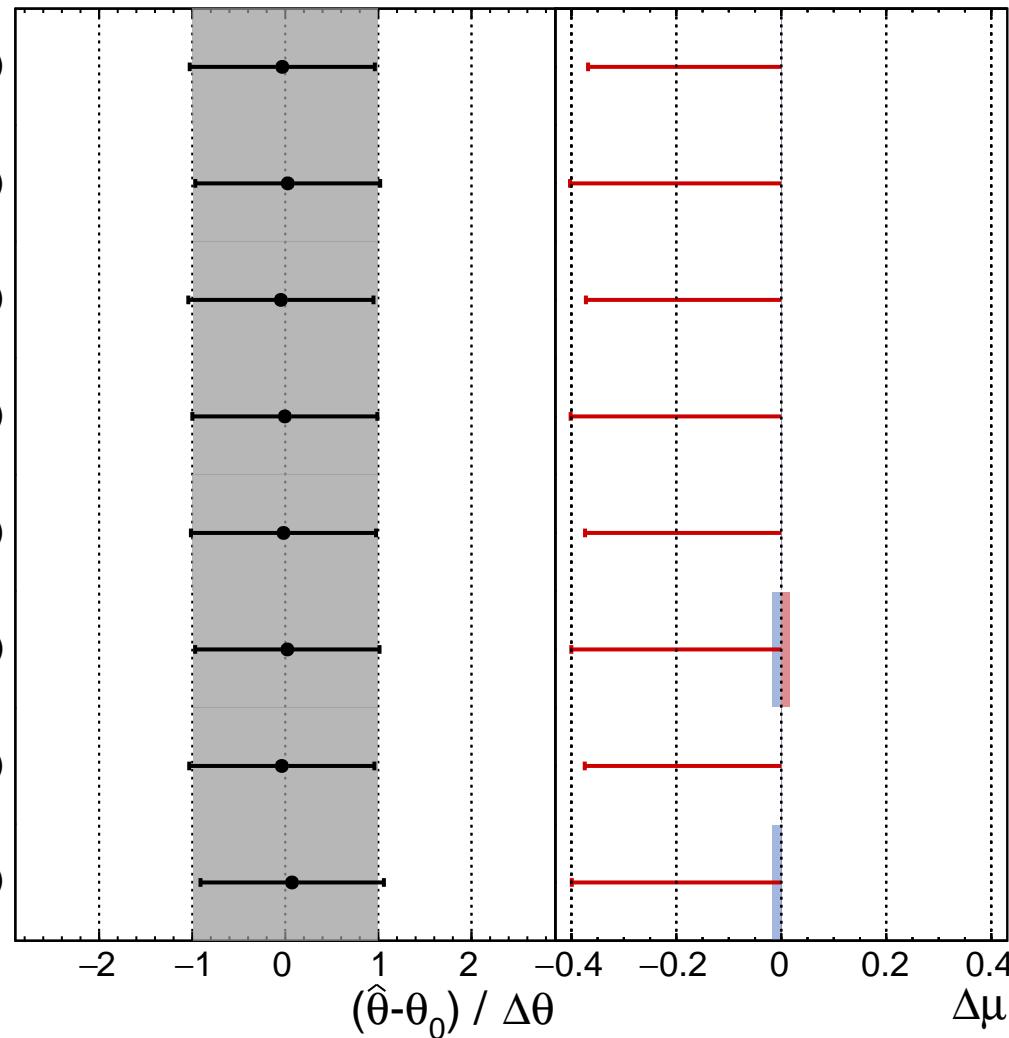


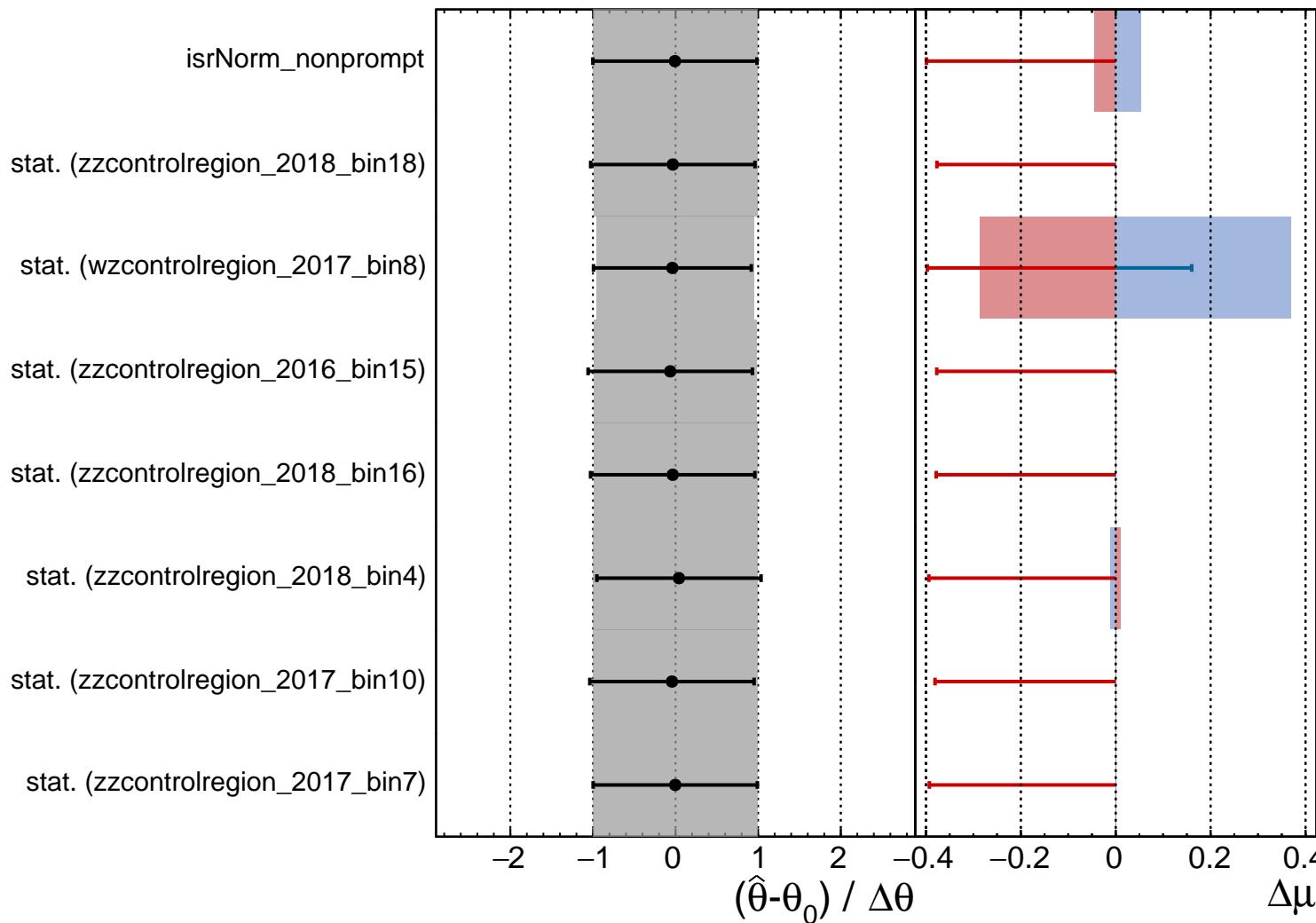


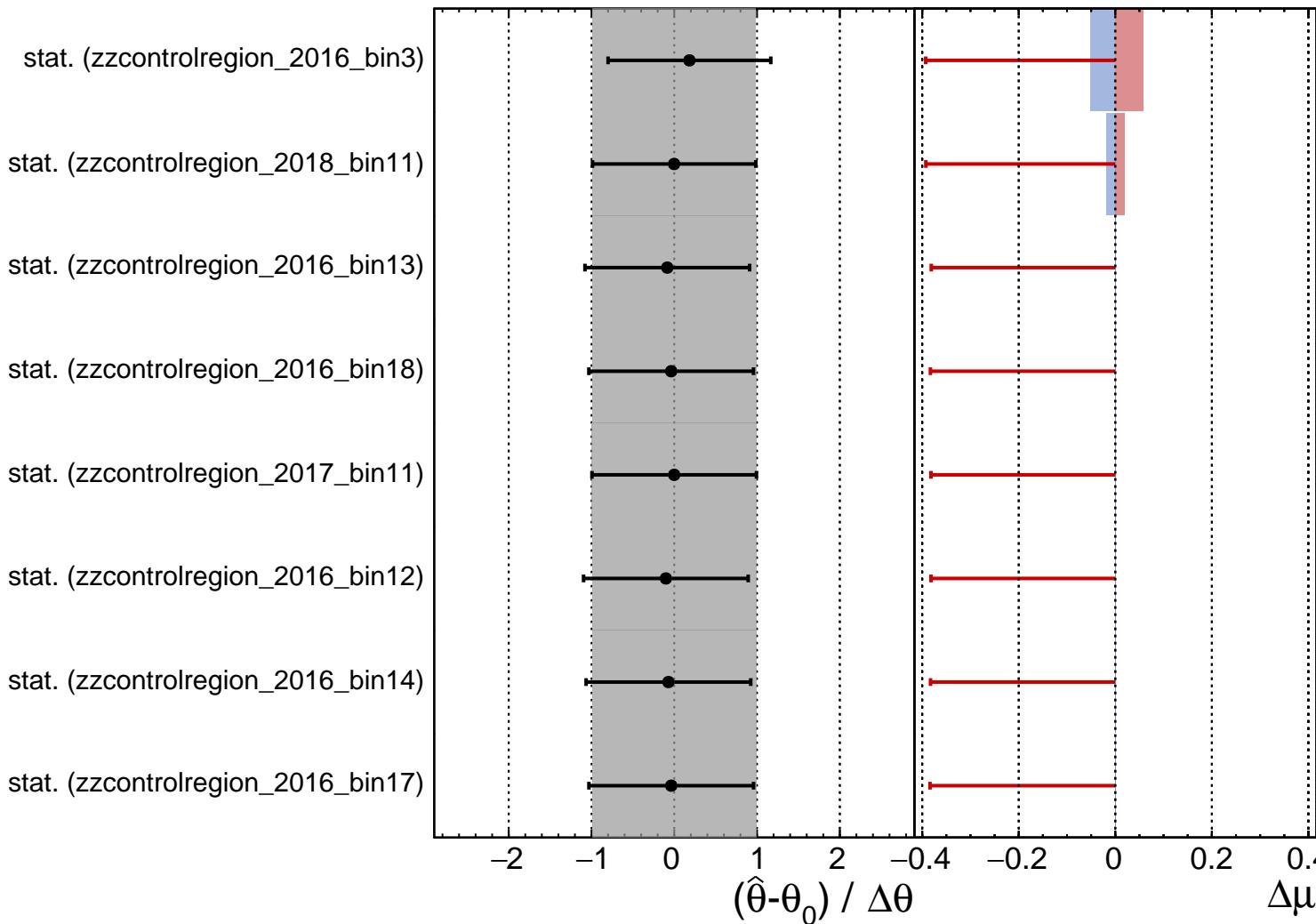
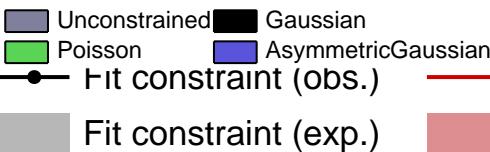


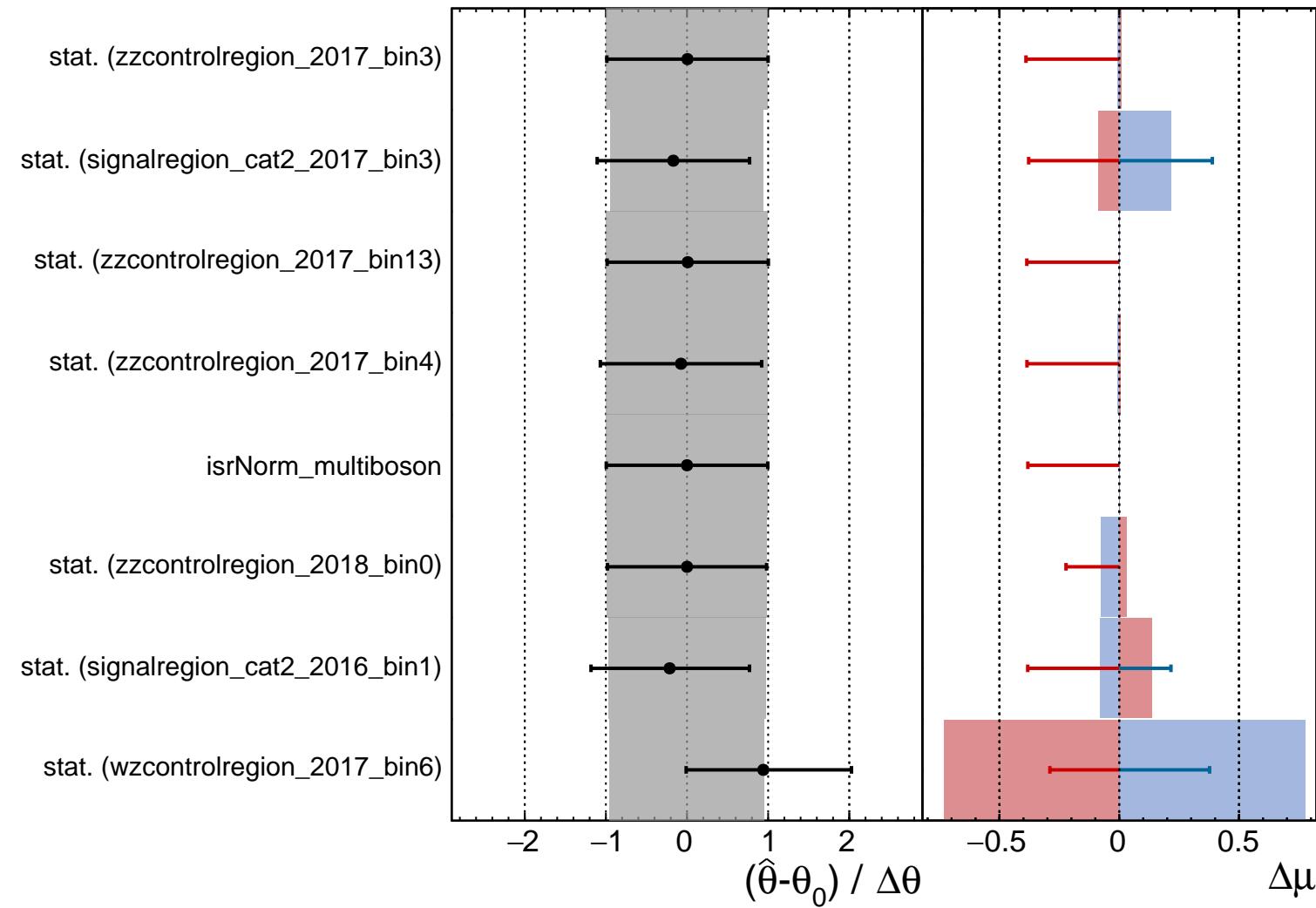
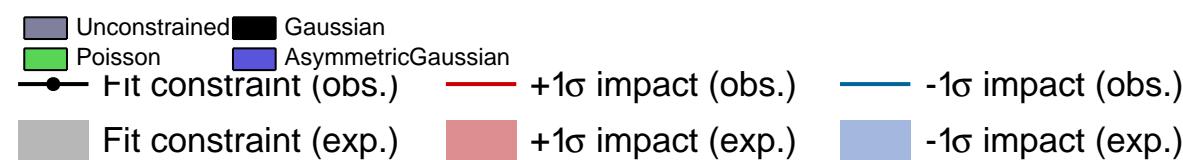


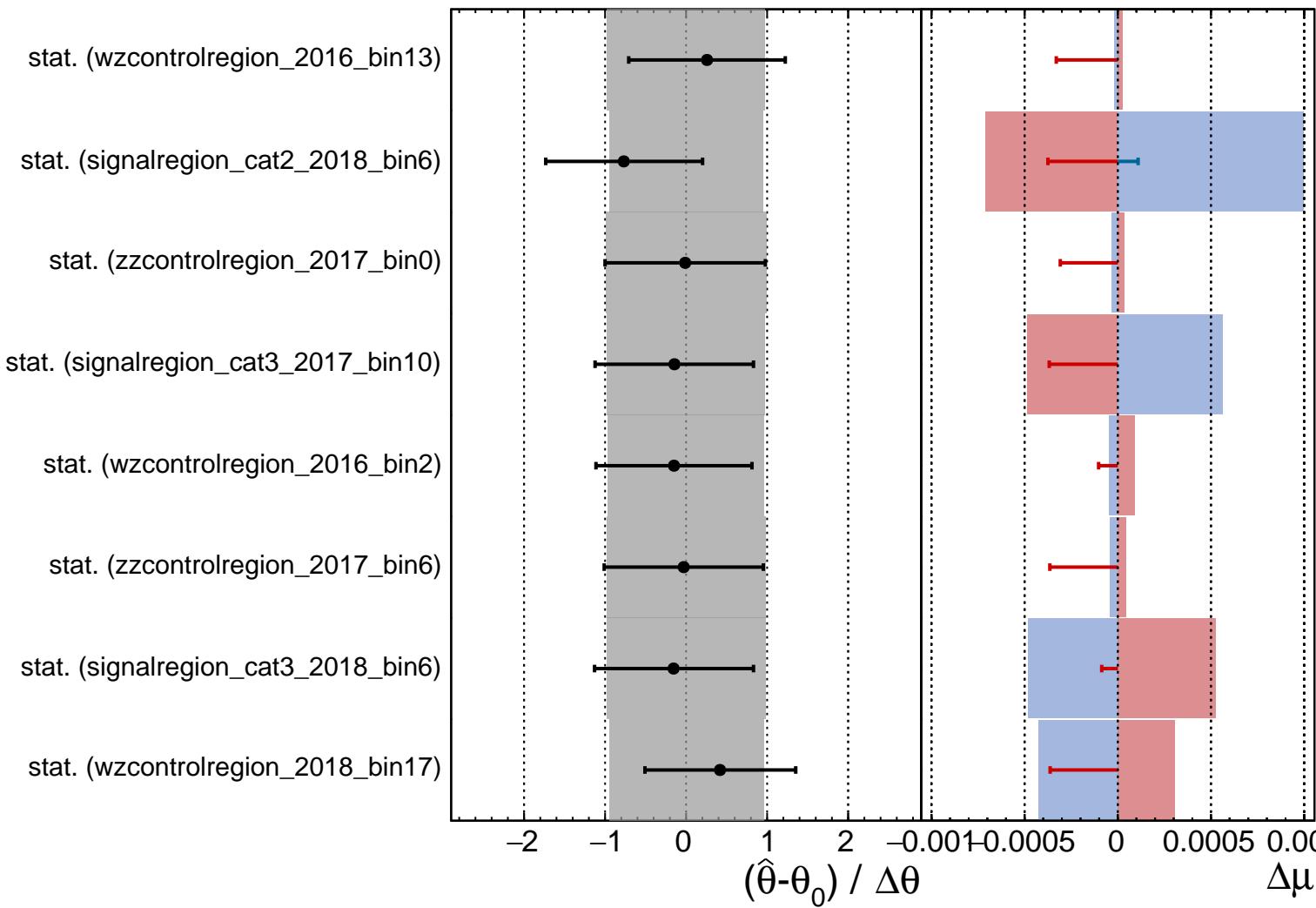
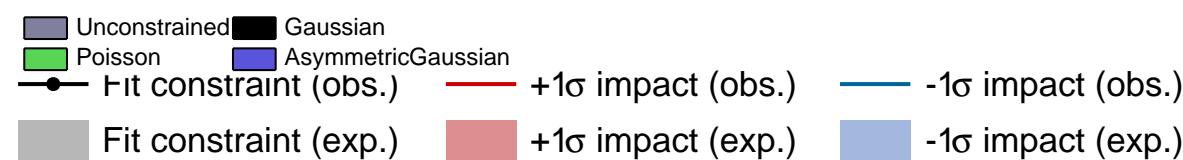
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stat. (zzcontrolregion_2018_bin12)
stat. (ttzcontrolregion_2016_bin3)
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stat. (zzcontrolregion_2016_bin7)
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stat. (zzcontrolregion_2016_bin19)

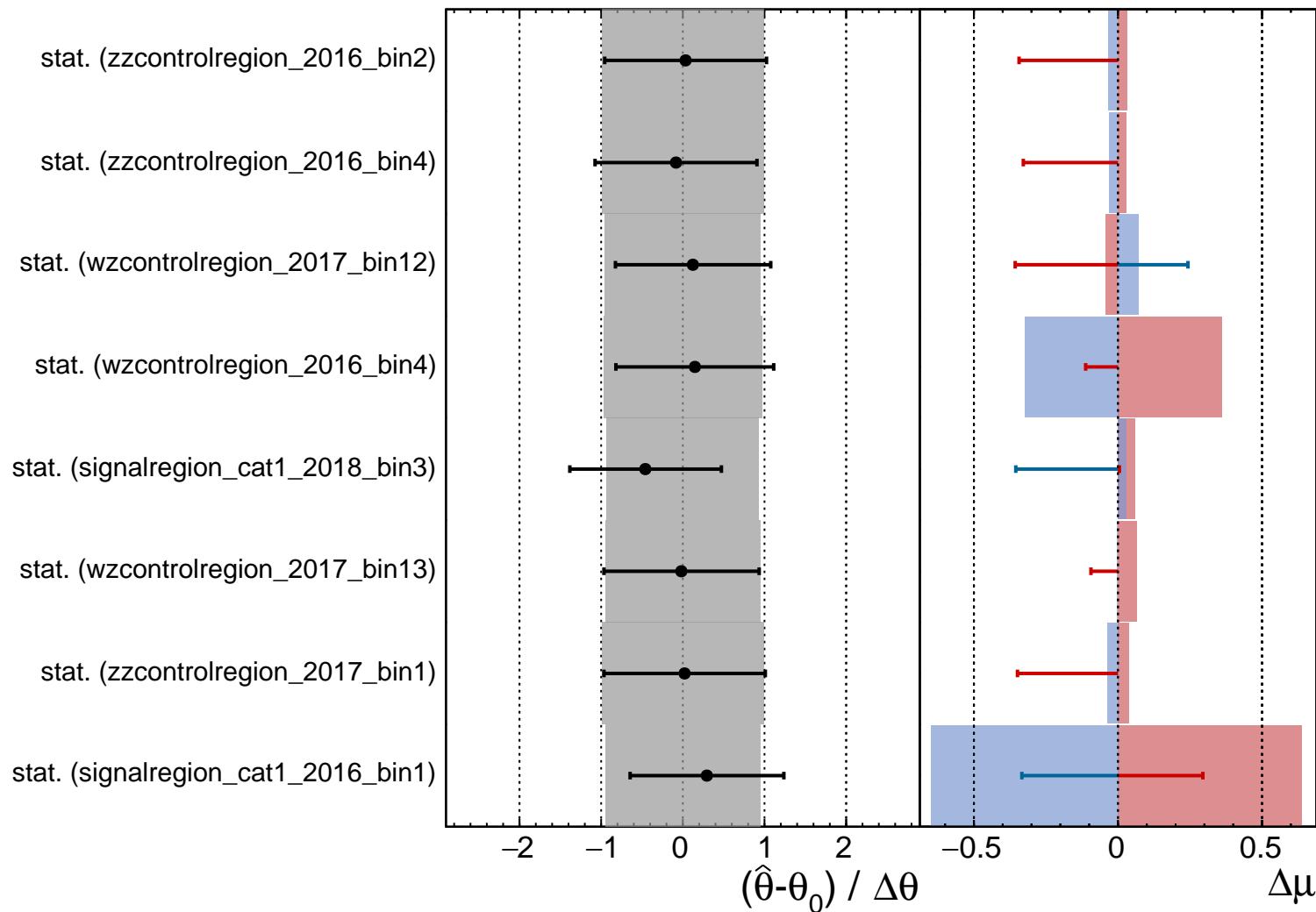


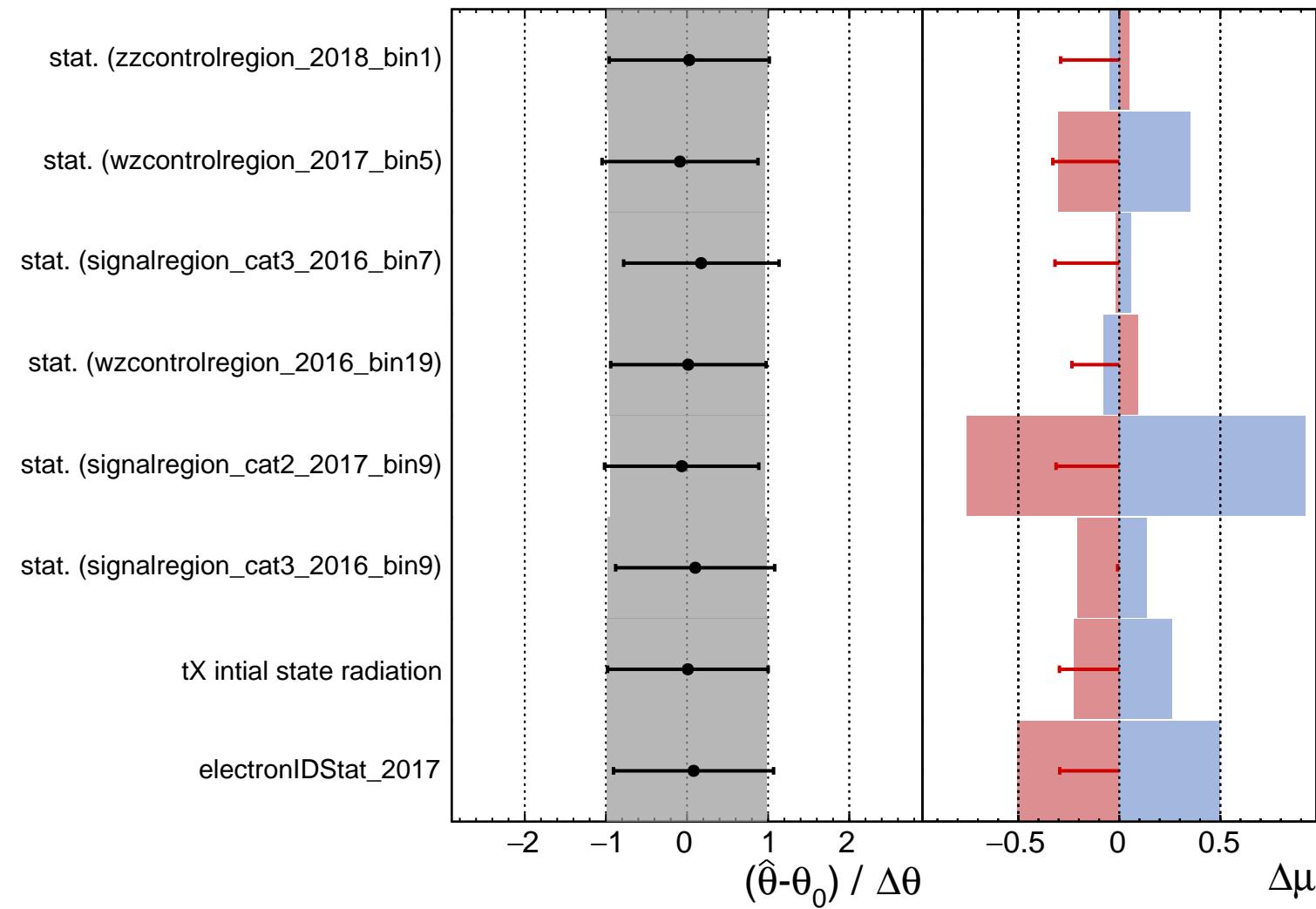
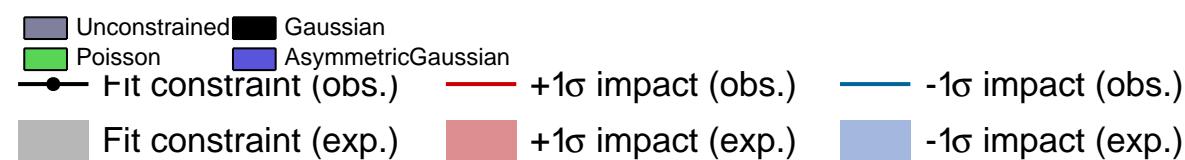


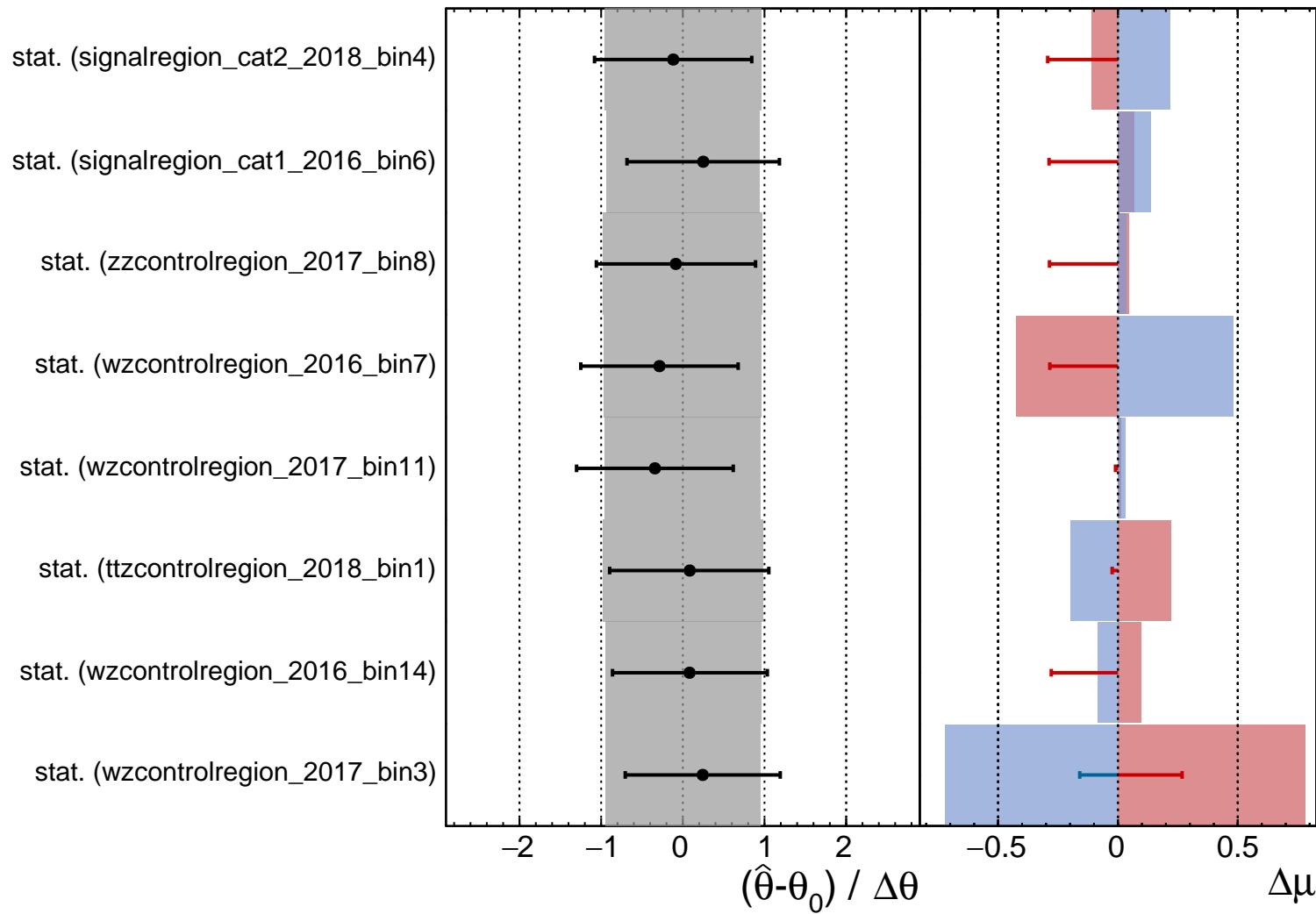






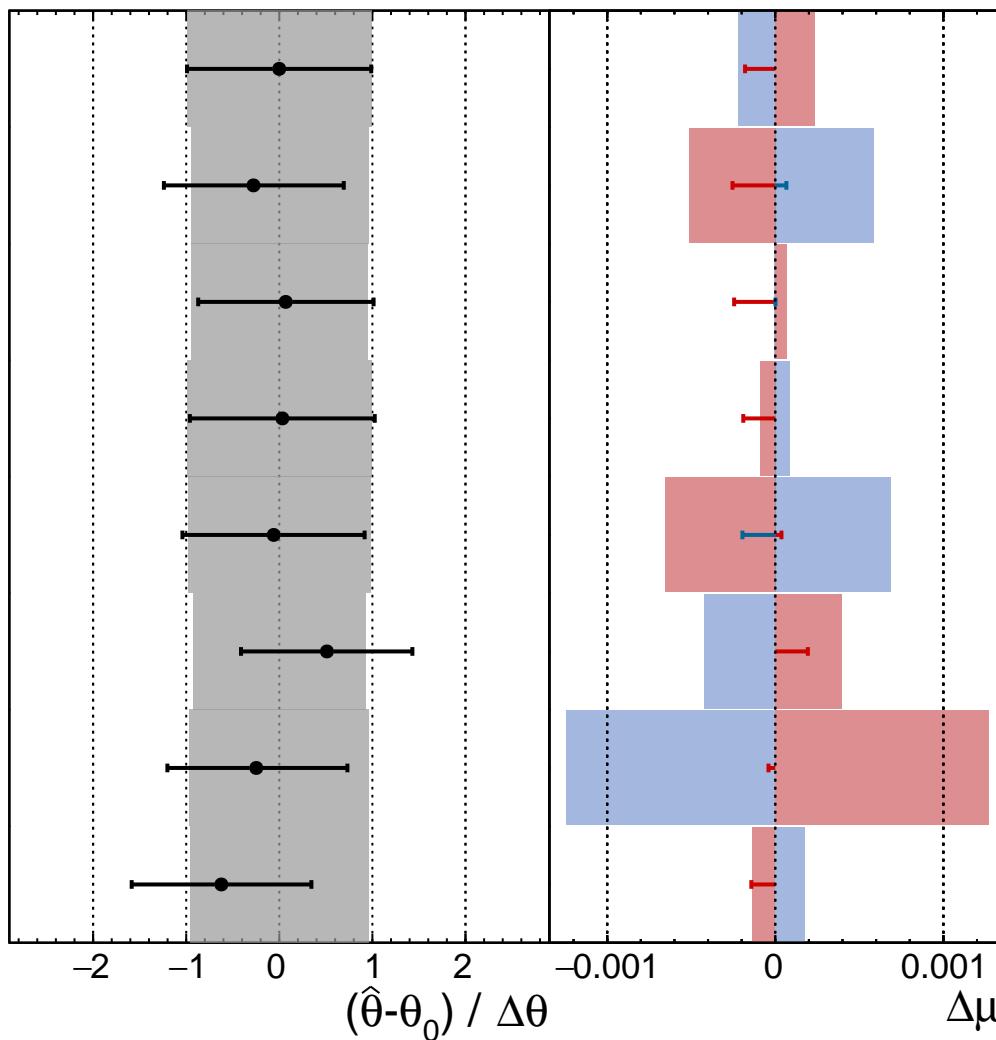








b tagging efficiency (lfstats2_2016)



stat. (signalregion_cat2_2016_bin9)

stat. (wzcontrolregion_2016_bin12)

b tagging efficiency (lfstats1_2016)

b tagging efficiency (lfstats2_2018)

stat. (signalregion_cat1_2018_bin1)

stat. (signalregion_cat3_2018_bin3)

stat. (wzcontrolregion_2016_bin8)

