

	2 ab ^{−1} (S2)		3 ab ^{−1} (S2)		3 ab ^{−1} (S3)	
	ATLAS	CMS	ATLAS	CMS	ATLAS	CMS
<i>HH</i> statistical significance						
<i>b</i> $\bar{b}$ $\tau^+\tau^-$	3.0 [†]	1.9	3.5 [†]	2.4	3.8[†]	2.7
<i>b</i> $\bar{b}$ $\gamma\gamma$	2.1 [†]	2.0 [†]	2.4 [†]	2.4 [†]	2.6[†]	2.6[†]
<i>b</i> $\bar{b}$ <i>b</i> $\bar{b}$ resolved	0.9	1.0 [†]	1.0	1.2 [†]	1.0	1.3[†]
<i>b</i> $\bar{b}$ <i>b</i> $\bar{b}$ boosted	—	1.8 [†]	—	2.2 [†]	—	2.2[†]
Multilepton	0.8 [†]	—	1.0 [†]	—	1.0[†]	—
<i>b</i> $\bar{b}$ $\ell^+\ell^-$	0.4 [†]	—	0.5 [†]	—	0.5[†]	—
Combination	3.7	3.5	4.3	4.2	4.5	4.5
ATLAS+CMS	6.0		7.2		7.6	
κ_3 68% confidence interval						
<i>b</i> $\bar{b}$ $\tau^+\tau^-$	[0.3, 1.8] [†]	[0.1, 3.0]	[0.4, 1.7] [†]	[0.2, 2.2]	[0.5, 1.6][†]	[0.3, 2.0]
<i>b</i> $\bar{b}$ $\gamma\gamma$	[0.3, 2.0] [†]	[0.2, 2.3] [†]	[0.4, 1.8] [†]	[0.3, 2.0] [†]	[0.5, 1.7][†]	[0.4, 1.9][†]
<i>b</i> $\bar{b}$ <i>b</i> $\bar{b}$ resolved	[−0.7, 6.3]	[−0.6, 7.6] [†]	[−0.5, 6.1]	[−0.3, 7.3] [†]	[−0.5, 6.1]	[−0.3, 7.2][†]
<i>b</i> $\bar{b}$ <i>b</i> $\bar{b}$ boosted	—	[−0.6, 8.5] [†]	—	[−0.4, 8.2] [†]	—	[−0.4, 8.2][†]
Multilepton	[−0.2, 4.9] [†]	—	[−0.1, 4.7] [†]	—	[−0.1, 4.7][†]	—
<i>b</i> $\bar{b}$ $\ell^+\ell^-$	[−2.4, 9.3] [†]	—	[−2.2, 9.2] [†]	—	[−2.1, 9.1][†]	—
Combination	[0.6, 1.5]	[0.4, 1.7]	[0.6, 1.5]	[0.5, 1.6]	[0.6, 1.4]	[0.6, 1.5]
ATLAS+CMS uncertainty	−32% / +37%		−27% / +31%		−26% / +29%	

[†] used in the ATLAS+CMS combination