

Systematic	Signal/Background	Rate/Shape	4 jets	5 jets	6 jets
Jet trigger efficiency	Signal	Rate	0.6%	0.6%	0.6%
Luminosity	Signal	Rate	1.6%	1.6%	1.6%
PDFs	Signal	Rate	1.5%	1.5%	1.5%
QCD μ_R and μ_F scales	Signal	Rate	14.0%	14.0%	14.0%
<i>Fully hadronic bHbH event mode</i>					
Low-mass BJTF	Background	Rate	70.7%	18.9%	13.5%
Background fit p_0	Background	Shape	9.7%	9.6%	9.6%
BJTF fit form	Background	Rate	5.6%	21.4%	0.1%
BJTF fit p_0	Background	Shape	9.7%	9.6%	9.6%
Jet tag scale factors	Signal	Shape	4.6%	5.8%	7.1%
Jet energy resolution	Signal	Shape	0.3%	1.4%	2.0%
Jet energy scale	Signal	Shape	1.3%	2.1%	3.4%
Pileup	Signal	Shape	0.3%	0.3%	1.5%
<i>Fully hadronic bHbZ event mode</i>					
Low-mass BJTF	Background	Rate	17.2%	8.2%	14.6%
Background fit p_0	Background	Shape	9.7%	9.6%	9.4%
BJTF fit form	Background	Rate	0.7%	1.5%	1.3%
BJTF fit p_0	Background	Shape	9.7%	9.6%	9.4%
Jet tag scale factors	Signal	Shape	4.8%	5.7%	7.2%
Jet energy resolution	Signal	Shape	0.2%	1.0%	1.6%
Jet energy scale	Signal	Shape	1.2%	0.3%	1.4%
Pileup	Signal	Shape	0.1%	0.0%	1.1%
<i>Fully hadronic bZbZ event mode</i>					
Low-mass BJTF	Background	Rate	20.9%	3.8%	4.5%
Background fit p_0	Background	Shape	9.8%	9.8%	9.5%
BJTF fit form	Background	Rate	10.4%	0.0%	34.3%
BJTF fit p_0	Background	Shape	9.8%	9.8%	9.5%
Jet tag scale factors	Signal	Shape	5.0%	5.0%	4.9%
Jet energy resolution	Signal	Shape	0.3%	0.5%	1.0%
Jet energy scale	Signal	Shape	1.0%	2.8%	3.9%
Pileup	Signal	Shape	0.4%	0.1%	0.2%
<i>Fully hadronic bHtW event mode</i>					
Low-mass BJTF	Background	Rate	—	7.4%	3.2%
Background fit p_0	Background	Shape	—	9.4%	10.2%
BJTF fit form	Background	Rate	—	0.3%	0.6%
BJTF fit p_0	Background	Shape	—	9.4%	10.2%
Jet tag scale factors	Signal	Shape	—	4.1%	5.6%
Jet energy resolution	Signal	Shape	—	0.7%	0.4%
Jet energy scale	Signal	Shape	—	0.3%	1.5%
Pileup	Signal	Shape	—	0.1%	0.7%
<i>Fully hadronic bZtW event mode</i>					
Low-mass BJTF	Background	Rate	—	8.0%	1.6%
Background fit p_0	Background	Shape	—	9.7%	10.6%
BJTF fit form	Background	Rate	—	0.6%	1.9%
BJTF fit p_0	Background	Shape	—	9.7%	10.6%
Jet tag scale factors	Signal	Shape	—	3.6%	4.1%
Jet energy resolution	Signal	Shape	—	1.0%	0.4%
Jet energy scale	Signal	Shape	—	0.5%	1.4%
Pileup	Signal	Shape	—	0.0%	0.6%