	VR	$AK8_{m50}$	V	top	H	ℓ_{niso}	b_l	b_m	ℓ_{iso}	γ	$\Delta\phi_R$	$\Delta\phi_{J,W}$	m_T
Check validity of CFs in presence of boosted objects - Validate had and lep SRs BG estimate														
1	QV	–	≥ 1	–	–	0	0	–	0	0	≥ 2.8	–	–
2	Qtop	–	–	≥ 1	–	0	0	–	0	0	≥ 2.8	–	–
3	TV	–	≥ 1	–	–	0	–	≥ 1	1	0	< 2.8	–	< 120
4	Ttop	–	–	≥ 1	–	0	–	≥ 1	1	0	< 2.8	–	< 120
5	TH	–	–	–	≥ 1	0	–	≥ 1	1	0	< 2.8	–	< 120
6	WV	–	≥ 1	–	–	0	0	–	1	0	< 2.8	–	30–100
7	Wtop	–	–	≥ 1	–	0	0	–	1	0	< 2.8	–	30–100
Check validity of CFs for different kinematic conditions - Validate had and lep SRs BG estimate														
8	Q′	≥ 1	0	0	0	0	0	–	0	0	< 2.8	–	–
9	S′V	–	≥ 1	–	–	0	0	–	0	0	≥ 2.8	–	–
10	S′Top	–	–	≥ 1	–	0	0	–	0	0	≥ 2.8	–	–
Check validity of CFs for the lepJet regions - Validate lepJet SRs BG estimate														
11	low$d\phi^*$	≥ 1	–	–	–	≥ 1	–	–	–	0	–	< 0.8	> 140
12	lowM_T	≥ 1	–	–	–	≥ 1	–	–	–	0	–	> 0.8	< 140