3T region	3M region	2M1L region
3T	*3M but not 3T	*2M1L but not 3M
$\chi^2 < 15$	$\chi^2 < 15$	$\chi^2 < 15$
Relative $H_T > 0.4$	Relative $H_T > 0.4$	Relative $H_T > 0.4$
$\text{Max}(\chi^2) < 3.0$	$\text{Max}(\chi^2) < 3.0$	$\text{Max}(\chi^2) < 3.0$
$\Delta R(b_{H/Z}, b_{H/Z}) < 1.1$	$\Delta R(b_{H/Z}, b_{H/Z}) < 1.1$	$\Delta R(b_{H/Z}, b_{H/Z}) < 1.1$
$\chi^2_{H/Z} < 1.5/1.0$	$\chi^2_{H/Z} < 1.5/1.0$	$\chi^2_{H/Z} < 1.5/1.0$
$\Delta R(j_W, j_W) < 1.75$	$\Delta R(j_W, j_W) < 1.75$	$\Delta R(j_W, j_W) < 1.75$
$\Delta R(b_t, W) < 1.2$	$\Delta R(b_t, W) < 1.2$	$\Delta R(b_t, W) < 1.2$

QCD 3T region		QCD 2M1L region	
3T		*2M1L but not 3M	
*$\chi^2 < 50$		*$\chi^2 < 50$	
Relative $H_T > 0.4$		Relative $H_T > 0.4$	
*$5 < \text{Max}(\chi^2) < 20$ and $\chi^2_t > 1.0$		*$5 < \text{Max}(\chi^2) < 20$ and $\chi^2_t > 1.0$	
$\Delta R(b_{H/Z}, b_{H/Z}) < 1.1$		$\Delta R(b_{H/Z}, b_{H/Z}) < 1.1$	
$\chi^2_{H/Z} < 1.5/1.0$		$\chi^2_{H/Z} < 1.5/1.0$	
$\Delta R(j_W, j_W) < 1.75$		$\Delta R(j_W, j_W) < 1.75$	
$\Delta R(b_t, W) < 1.2$		$\Delta R(b_t, W) < 1.2$	

t̄t 2T1L region		t̄t 2M1L region	
*2T1L		*2M1L but not 2T1L	
*Top b-tag T		*Top b-tag M	
*$\chi^2 < 50$		*$\chi^2 < 50$	
Relative $H_T > 0.4$		Relative $H_T > 0.4$	
*$3 < \text{Max}(\chi^2) < 5$		*$3 < \text{Max}(\chi^2) < 5$	
*$\Delta R(b_{H/Z}, b_{H/Z}) < 1.5$		*$\Delta R(b_{H/Z}, b_{H/Z}) < 1.5$	
*$\chi^2_t < 1.5$ and $\chi^2_{H/Z} > 3$		*$\chi^2_t < 1.5$ and $\chi^2_{H/Z} > 3$	
$\Delta R(j_W, j_W) < 1.75$		$\Delta R(j_W, j_W) < 1.75$	
$\Delta R(b_t, W) < 1.2$		$\Delta R(b_t, W) < 1.2$	