

CMS Simulation

 $\mu\tau_h$

Predicted event class

ggH 0 Jet $p_T^H[0,10]$	67	17	4	0	0	1	0	0	0	0	0	0	0	0	18	6	0	1	13	
ggH 0 Jet $p_T^H[10,200]$	3	40	9	1	0	1	0	0	0	0	0	0	0	0	10	6	0	2	9	
ggH 1 Jet $p_T^H[0,60]$	2	12	61	11	0	17	2	0	4	0	0	2	0	2	3	7	5	1	4	6
ggH 1 Jet $p_T^H[60,120]$	0	1	5	64	4	2	13	0	5	0	0	3	0	5	5	5	4	1	4	3
ggH 1 Jet $p_T^H[120,200]$	0	0	0	4	79	0	1	9	4	4	0	2	0	4	3	2	1	1	2	1
ggH ≥ 2 Jet $m_{jj}[0,350] p_T^H[0,60]$	1	2	10	2	0	68	7	0	3	0	0	15	0	1	2	3	2	2	2	3
ggH ≥ 2 Jet $m_{jj}[0,350] p_T^H[60,120]$	0	0	0	11	1	3	64	6	4	0	0	22	0	1	2	2	2	3	2	1
ggH ≥ 2 Jet $m_{jj}[0,350] p_T^H[120,200]$	0	0	0	0	8	0	4	73	4	4	0	23	0	1	2	2	1	2	2	1
ggH ≥ 2 Jet $m_{jj} > 350 p_T^H[0,200]$	0	0	1	1	1	1	2	2	21	1	0	2	1	4	12	0	0	1	1	0
ggH $p_T^H[200,300]$	0	0	0	0	3	0	0	3	1	70	5	11	10	0	1	2	0	1	1	1
ggH $p_T^H \geq 300$	0	0	0	0	0	0	0	0	0	6	85	6	13	0	0	1	0	0	1	0
qqH < 2 Jet or $m_{jj}[0,350]$	0	0	0	0	0	1	1	2	0	2	1	6	0	0	0	0	0	0	0	0
qqH ≥ 2 Jet $m_{jj} > 350 p_T^H \geq 200$	0	0	0	0	0	0	0	0	1	12	8	0	71	3	1	0	0	0	1	0
qqH ≥ 2 Jet $m_{jj} > 700 p_T^H[0,200]$	0	0	1	1	1	0	0	0	19	0	0	1	3	74	4	0	0	0	1	0
qqH ≥ 2 Jet $m_{jj}[350,700] p_T^H[0,200]$	0	0	1	2	1	2	2	1	31	0	0	3	1	4	62	1	0	1	1	0
Genuine τ	15	14	3	1	0	1	0	0	0	0	0	0	0	0	0	38	9	0	1	5
Jet $\rightarrow \tau_h$	0	3	2	2	0	0	1	0	0	0	0	0	0	0	0	4	37	2	18	3
tt	0	0	0	1	0	2	2	2	1	0	0	3	0	0	1	2	8	74	24	0
Misc	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2	12	10	31	1
zll	11	10	3	0	0	1	0	0	0	0	0	0	0	0	0	1	4	0	1	51

Rel. fraction of true class in %



True event class