

Selection

Signal Regions

 $e\tau_h$ $\mu\tau_h$ $e\tau_h\tau_h$ $\mu\tau_h\tau_h$

prompt electrons

N	$= 1$	$= 0$	$= 1$	$= 0$
p_T	$> (30, 35, 35)$	> 10	$> (30, 35, 35)$	> 10
$ \eta $	< 2.1	< 2.5	< 2.1	< 2.5
i_{rel}	< 0.15	< 0.25	< 0.15	< 0.25

prompt muons

N	$= 0$	$= 1$	$= 0$	$= 1$
p_T	> 10	$> (26, 29, 26)$	> 10	$> (26, 29, 26)$
$ \eta $	< 2.4	< 2.4	< 2.4	< 2.4
i_{rel}	< 0.25	< 0.15	< 0.25	< 0.15

 τ_h objects

N	$= 1$	$= 2$
p_T	> 20	> 20
$ \eta $	< 2.3	< 2.3
$ Q_{\star\tau_h} $	$= [0, 2]$	$= 0$

jets

N	≥ 3	≥ 2
p_T	> 30	> 30
$ \eta $	< 2.4	< 4.7

b jets

N	≥ 1	≥ 1
p_T	> 30	> 30
$ \eta $	< 2.4	< 2.4

event-based variables

p_T^{miss}	> 40	> 30
S_T	—	> 400