

Channel	Bin	Expected	Observed
SR-0 ℓ -2VTJ	$S_{\text{T}, \text{no } p_{\text{T}}^{\text{miss}}} < 1.5 \text{ TeV}$	4222 ± 186	4217
	$1.5 \leq S_{\text{T}, \text{no } p_{\text{T}}^{\text{miss}}} < 2 \text{ TeV}$	826 ± 58	830
	$2 \leq S_{\text{T}, \text{no } p_{\text{T}}^{\text{miss}}} < 2.5 \text{ TeV}$	106 ± 9	96
	$2.5 \leq S_{\text{T}, \text{no } p_{\text{T}}^{\text{miss}}} < 3 \text{ TeV}$	18.5 ± 1.9	25
	$3 \text{ TeV} \leq S_{\text{T}, \text{no } p_{\text{T}}^{\text{miss}}}$	4.5 ± 0.9	4
SR-0 ℓ -3VTJ	$S_{\text{T}, \text{no } p_{\text{T}}^{\text{miss}}} < 1.5 \text{ TeV}$	973 ± 39	977
	$1.5 \leq S_{\text{T}, \text{no } p_{\text{T}}^{\text{miss}}} < 1.75 \text{ TeV}$	483 ± 26	481
	$1.75 \leq S_{\text{T}, \text{no } p_{\text{T}}^{\text{miss}}} < 2 \text{ TeV}$	152 ± 10	150
	$2 \leq S_{\text{T}, \text{no } p_{\text{T}}^{\text{miss}}} < 2.25 \text{ TeV}$	55 ± 5	62
	$2.25 \leq S_{\text{T}, \text{no } p_{\text{T}}^{\text{miss}}} < 2.5 \text{ TeV}$	21 ± 3	16
	$2.5 \leq S_{\text{T}, \text{no } p_{\text{T}}^{\text{miss}}} < 3 \text{ TeV}$	11.5 ± 1.6	16
	$3 \text{ TeV} \leq S_{\text{T}, \text{no } p_{\text{T}}^{\text{miss}}}$	4.0 ± 0.9	4
SR-1 ℓ -2VTJ	$m_{\text{J}\ell\nu} < 1.6 \text{ TeV}$	705 ± 78	727
	$1.6 \leq m_{\text{J}\ell\nu} < 2.4 \text{ TeV}$	145 ± 15	131
	$2.4 \leq m_{\text{J}\ell\nu} < 3.4 \text{ TeV}$	29 ± 4	24
	$3.4 \text{ TeV} \leq m_{\text{J}\ell\nu}$	2.9 ± 0.8	3
SR-2 ℓ -OSonZ-1VTJ	$S_{\text{T}, \text{no } p_{\text{T}}^{\text{miss}}} < 0.8 \text{ TeV}$	2662 ± 173	2675
	$0.8 \leq S_{\text{T}, \text{no } p_{\text{T}}^{\text{miss}}} < 1.3 \text{ TeV}$	321 ± 32	302
	$1.3 \text{ TeV} \leq S_{\text{T}, \text{no } p_{\text{T}}^{\text{miss}}}$	17 ± 3	19
SR-2 ℓ -OSoffZ-1VTJ	$S_{\text{T}, \text{no } p_{\text{T}}^{\text{miss}}} < 0.8 \text{ TeV}$	527 ± 43	525
	$0.8 \leq S_{\text{T}, \text{no } p_{\text{T}}^{\text{miss}}} < 1.05 \text{ TeV}$	51 ± 6	52
	$1.05 \text{ TeV} \leq S_{\text{T}, \text{no } p_{\text{T}}^{\text{miss}}}$	12 ± 3	12
SR-2 ℓ -OSDF-1VTJ	$S_{\text{T}, \text{no } p_{\text{T}}^{\text{miss}}} < 0.8 \text{ TeV}$	181 ± 21	173
	$0.8 \leq S_{\text{T}, \text{no } p_{\text{T}}^{\text{miss}}} < 1.35 \text{ TeV}$	15 ± 2	20
	$1.35 \text{ TeV} \leq S_{\text{T}, \text{no } p_{\text{T}}^{\text{miss}}}$	1.2 ± 0.4	0
SR-2 ℓ -OS-2VTJ	$S_{\text{T}} < 0.8 \text{ TeV}$	9.0 ± 1.7	9
	$0.8 \leq S_{\text{T}} < 1.9 \text{ TeV}$	15 ± 3	16
	$1.9 \text{ TeV} \leq S_{\text{T}}$	0.37 ± 0.07	0
SR-2 ℓ -SS-1VTJ	$S_{\text{T}} < 1 \text{ TeV}$	54 ± 5	61
	$1 \leq S_{\text{T}} < 1.6 \text{ TeV}$	8.5 ± 1.4	8
	$1.6 \text{ TeV} \leq S_{\text{T}}$	1.2 ± 0.2	2
SR-1 ℓ -1 τ_{h} -1VTJ	low BDT score, low S_{T}	297 ± 19	292
	low BDT score, high S_{T}	44 ± 4	37
	high BDT score, high S_{T}	0.6 ± 0.2	1
SR-2 ℓ -1 τ_{h} -0VTJ	low BDT score, low S_{T}	5984 ± 83	5968
	low BDT score, high S_{T}	188 ± 8	194
	high BDT score, high S_{T}	5.9 ± 0.8	7
Sum highest bins		50 ± 4	52