

Process	Muon channel		Electron channel	
	Pre-fit	Post-fit	Pre-fit	Post-fit
$t\gamma q$	3342 ± 92	3763 ± 66	2082 ± 60	2373 ± 43
$t\bar{t}\gamma$ +jets	19223 ± 255	20022 ± 243	13297 ± 188	13869 ± 175
$t\gamma q$ out	204 ± 26	199.8 ± 6.9	117 ± 21	115.6 ± 5.9
$t\bar{t}\gamma$ +jets out	251 ± 16	251.2 ± 4.7	127 ± 11	125.4 ± 3.5
Nonprompt γ	15555 ± 1018	15412 ± 253	11206 ± 751	11220 ± 182
Nonprompt ℓ	1728 ± 134	1929 ± 137	2627 ± 186	2978 ± 157
Double Nonprompt	2654 ± 184	2718 ± 62	2621 ± 187	2812 ± 48
$t\bar{t}\gamma \rightarrow 2\ell$	10708 ± 446	10470 ± 378	7405 ± 115	7284 ± 45
$t\bar{t}\gamma \rightarrow 2\ell$ misID	7158 ± 127	9444 ± 240	5023 ± 101	6655 ± 177
$W\gamma$ +jets	6136 ± 544	6665 ± 223	4243 ± 323	4539 ± 131
$Z\gamma$ +jets	2522 ± 235	2524 ± 106	1855 ± 215	1882 ± 77
$tW\gamma$	1901 ± 94	1853 ± 42	1365 ± 87	1350 ± 32
Z +jets	44 ± 13	31.6 ± 5.5	5519 ± 1035	7167 ± 456
Others	622 ± 66	669 ± 39	443 ± 50	484 ± 30
Other misID	468 ± 48	615 ± 23	469 ± 47	611 ± 25
Sum of prediction	72516 ± 3628	76565 ± 1102	58399 ± 3052	63465 ± 329
Sum of data	76477 ± 280		63592 ± 256	