	Yield ± stat. ± syst.			Fraction ± stat. ± syst. [%]		
	$\gamma\gamma$	γ-jet	jet-jet	$\gamma\gamma$	γ-jet	jet-jet
$m_{\gamma\gamma}[GeV]$						
105 - 106	5823 ±171 $^{+360}_{-133}$	3560 ±173 $^{+105}_{-328}$	531 ±53 $^{+30}_{-41}$	58.7 ±1.8 $^{+3.6}_{-1.4}$	35.9 ±1.8 $^{+1.1}_{-3.3}$	5.4 ±0.6 $^{+0.3}_{-0.4}$
LP2	+0 −133	+105 −0	+29 −0	+0.00 −1.35	+1.06 −0.00	+0.29 −0.00
LP4	+171 −0	+0 −178	+5 −0	+1.74 −0.00	+0.00 −1.79	+0.05 −0.00
LP5	+317 −0	+0 −276	+0 −41	+3.19 −0.00	+0.00 −2.78	+0.00 −0.41
106 - 107	5570 ±163 $^{+228}_{-148}$	3185 ±165 $^{+133}_{-108}$	623 ±55 $^{+15}_{-121}$	59.4 ±1.8 $^{+2.4}_{-1.6}$	34.0 ±1.8 $^{+1.4}_{-1.2}$	6.6 ±0.7 $^{+0.2}_{-1.3}$
LP2	+0 −148	+133 −0	+15 −0	+0.00 −1.58	+1.42 −0.00	+0.16 −0.00
LP4	+109 −0	+0 −37	+0 −71	+1.16 −0.00	+0.00 −0.40	+0.00 −0.76
LP5	+200 −0	+0 −101	+0 −98	+2.13 −0.00	+0.00 −1.08	+0.00 −1.05
107 - 108	5466 ±165 $^{+290}_{-81}$	3259 ±166 $^{+33}_{-242}$	528 ±52 $^{+50}_{-56}$	59.1 ±1.8 $^{+3.2}_{-0.9}$	35.2 ±1.8 $^{+0.4}_{-2.6}$	5.7 ±0.7 $^{+0.5}_{-0.6}$
LP2	+0 −81	+33 −0	+50 −0	+0.00 −0.89	+0.35 −0.00	+0.54 −0.00
LP4	+137 −0	+0 −104	+0 −36	+1.50 −0.00	+0.00 −1.12	+0.00 −0.39
LP5	+255 −0	+0 −219	+0 −43	+2.80 −0.00	+0.00 −2.34	+0.00 −0.46
108 - 109	5412 ±155 $^{+311}_{-126}$	2966 ±154 $^{+90}_{-241}$	477 ±48 $^{+34}_{-79}$	61.1 ±1.8 $^{+3.6}_{-1.4}$	33.5 ±1.8 $^{+1.0}_{-2.7}$	5.4 ±0.6 $^{+0.4}_{-0.9}$
LP2	+0 −126	+90 −0	+34 −0	+0.00 −1.41	+1.03 −0.00	+0.38 −0.00
LP4	+145 −0	+0 −108	+0 −41	+1.67 −0.00	+0.00 −1.20	+0.00 −0.47
LP5	+275 −0	+0 −215	+0 −67	+3.16 −0.00	+0.00 −2.40	+0.00 −0.76
109 - 110	5330 ±152 $^{+194}_{-104}$	2749 ±152 $^{+64}_{-143}$	471 ±48 $^{+41}_{-56}$	62.3 ±1.8 $^{+2.3}_{-1.2}$	32.2 ±1.8 $^{+0.7}_{-1.7}$	5.5 ±0.7 $^{+0.5}_{-0.7}$
LP2	+0 −104	+64 −0	+41 −0	+0.00 −1.22	+0.74 −0.00	+0.48 −0.00
LP4	+66 −0	+0 −33	+0 −34	+0.79 −0.00	+0.00 −0.39	+0.00 −0.40
LP5	+182 −0	+0 −139	+0 −44	+2.13 −0.00	+0.00 −1.62	+0.00 −0.52
110 - 111	5185 ±147 $^{+233}_{-97}$	2507 ±149 $^{+56}_{-172}$	535 ±50 $^{+40}_{-67}$	63.0 ±1.9 $^{+2.9}_{-1.2}$	30.5 ±1.8 $^{+0.7}_{-2.1}$	6.5 ±0.7 $^{+0.5}_{-0.8}$
LP2	+0 −97	+56 −0	+40 −0	+0.00 −1.17	+0.68 −0.00	+0.49 −0.00
LP4	+114 −0	+0 −92	+0 −26	+1.42 −0.00	+0.00 −1.11	+0.00 −0.31
LP5	+203 −0	+0 −145	+0 −62	+2.49 −0.00	+0.00 −1.75	+0.00 −0.75
111 - 112	5130 ±145 $^{+159}_{-132}$	2434 ±143 $^{+91}_{-53}$	440 ±46 $^{+41}_{-105}$	64.1 ±1.9 $^{+2.0}_{-1.6}$	30.4 ±1.8 $^{+1.1}_{-0.7}$	5.5 ±0.7 $^{+0.5}_{-1.3}$
LP2	+0 −132	+91 −0	+41 −0	+0.00 −1.65	+1.14 −0.00	+0.51 −0.00
LP4	+85 −0	+0 −33	+0 −53	+1.07 −0.00	+0.00 −0.41	+0.00 −0.66
LP5	+134 −0	+0 −42	+0 −91	+1.66 −0.00	+0.00 −0.53	+0.00 −1.13
112 - 113	4867 ±140 $^{+201}_{-105}$	2514 ±137 $^{+72}_{-188}$	396 ±44 $^{+35}_{-20}$	62.6 ±1.8 $^{+2.6}_{-1.4}$	32.3 ±1.8 $^{+0.9}_{-2.4}$	5.1 ±0.7 $^{+0.4}_{-0.3}$
LP2	+0 −105	+72 −0	+35 −0	+0.00 −1.37	+0.92 −0.00	+0.45 −0.00
LP4	+110 −0	+0 −109	+0 −0	+1.41 −0.00	+0.00 −1.41	+0.00 −0.01
LP5	+168 −0	+0 −153	+0 −20	+2.20 −0.00	+0.00 −1.95	+0.00 −0.25
113 - 114	4784 ±140 $^{+220}_{-148}$	2230 ±138 $^{+109}_{-163}$	422 ±45 $^{+38}_{-56}$	64.3 ±1.9 $^{+2.9}_{-2.0}$	30.0 ±1.9 $^{+1.5}_{-2.2}$	5.7 ±0.7 $^{+0.5}_{-0.8}$
LP2	+0 −148	+109 −0	+38 −0	+0.00 −1.98	+1.47 −0.00	+0.51 −0.00
LP4	+101 −0	+0 −71	+0 −28	+1.35 −0.00	+0.00 −0.96	+0.00 −0.38
LP5	+195 −0	+0 −146	+0 −48	+2.62 −0.00	+0.00 −1.97	+0.00 −0.65
114 - 115	4514 ±133 $^{+203}_{-95}$	2250 ±121 $^{+70}_{-182}$	369 ±40 $^{+26}_{-24}$	63.3 ±1.8 $^{+2.9}_{-1.3}$	31.5 ±1.8 $^{+1.0}_{-2.5}$	5.2 ±0.7 $^{+0.4}_{-0.3}$
LP2	+0 −95	+70 −0	+26 −0	+0.00 −1.34	+0.98 −0.00	+0.36 −0.00
LP4	+102 −0	+0 −97	+0 −5	+1.43 −0.00	+0.00 −1.36	+0.00 −0.07
LP5	+175 −0	+0 −153	+0 −23	+2.47 −0.00	+0.00 −2.14	+0.00 −0.33
115 - 116	4261 ±131 $^{+196}_{-102}$	2092 ±129 $^{+62}_{-138}$	378 ±41 $^{+37}_{-59}$	63.3 ±2.0 $^{+2.9}_{-1.5}$	31.1 ±2.0 $^{+0.9}_{-2.0}$	5.6 ±0.7 $^{+0.6}_{-0.9}$
LP2	+0 −102	+62 −0	+37 −0	+0.00 −1.49	+0.94 −0.00	+0.56 −0.00
LP4	+108 −0	+0 −77	+0 −33	+1.63 −0.00	+0.00 −1.14	+0.00 −0.49
LP5	+163 −0	+0 −114	+0 −49	+2.42 −0.00	+0.00 −1.69	+0.00 −0.73
116 - 117	4441 ±129 $^{+180}_{-98}$	1965 ±124 $^{+65}_{-127}$	341 ±39 $^{+33}_{-58}$	65.8 ±1.9 $^{+2.7}_{-1.5}$	29.1 ±1.9 $^{+1.0}_{-1.9}$	5.1 ±0.7 $^{+0.5}_{-0.9}$
LP2	+0 −98	+65 −0	+33 −0	+0.00 −1.46	+0.97 −0.00	+0.49 −0.00
LP4	+106 −0	+0 −87	+0 −22	+1.60 −0.00	+0.00 −1.28	+0.00 −0.33
LP5	+145 −0	+0 −93	+0 −53	+2.16 −0.00	+0.00 −1.37	+0.00 −0.79
117 - 118	4431 ±124 $^{+194}_{-103}$	1878 ±116 $^{+81}_{-179}$	297 ±35 $^{+20}_{-21}$	67.1 ±1.8 $^{+3.0}_{-1.5}$	28.4 ±1.8 $^{+1.2}_{-2.7}$	4.5 ±0.6 $^{+0.3}_{-0.3}$
LP2	+0 −103	+81 −0	+20 −0	+0.00 −1.53	+1.23 −0.00	+0.30 −0.00
LP4	+104 −0	+0 −101	+0 −3	+1.58 −0.00	+0.00 −1.53	+0.00 −0.05
LP5	+163 −0	+0 −147	+0 −21	+2.52 −0.00	+0.00 −2.21	+0.00 −0.31
118 - 119	4086 ±124 $^{+215}_{-48}$	1913 ±118 $^{+17}_{-191}$	293 ±35 $^{+31}_{-30}$	64.9 ±2.0 $^{+3.5}_{-0.8}$	30.4 ±1.9 $^{+0.3}_{-3.0}$	4.7 ±0.7 $^{+0.5}_{-0.5}$
LP2	+0 −48	+17 −0	+31 −0	+0.00 −0.77	+0.27 −0.00	+0.49 −0.00
LP4	+102 −0	+0 −94	+0 −10	+1.64 −0.00	+0.00 −1.48	+0.00 −0.16
LP5	+190 −0	+0 −166	+0 −28	+3.06 −0.00	+0.00 −2.62	+0.00 −0.44
119 - 120	3756 ±120 $^{+213}_{-109}$	1954 ±118 $^{+80}_{-192}$	283 ±36 $^{+32}_{-24}$	62.7 ±2.0 $^{+3.6}_{-1.9}$	32.6 ±2.0 $^{+1.3}_{-3.2}$	4.7 ±0.7 $^{+0.5}_{-0.4}$
LP2	+0 −109	+80 −0	+32 −0	+0.00 −1.85	+1.32 −0.00	+0.53 −0.00
LP4	+114 −0	+0 −112	+0 −3	+1.92 −0.00	+0.00 −1.86	+0.00 −0.05
LP5	+179 −0	+0 −156	+0 −23	+2.99 −0.00	+0.00 −2.60	+0.00 −0.39
120 - 121	3908 ±119 $^{+145}_{-54}$	1674 ±112 $^{+12}_{-107}$	273 ±35 $^{+41}_{-42}$	66.8 ±2.0 $^{+2.5}_{-0.9}$	28.6 ±2.0 $^{+0.2}_{-1.8}$	4.7 ±0.7 $^{+0.7}_{-0.7}$
LP2	+0 −54	+12 −0	+41 −0	+0.00 −0.91	+0.20 −0.00	+0.71 −0.00
LP4	+55 −0	+0 −35	+0 −23	+0.97 −0.00	+0.00 −0.58	+0.00 −0.38
LP5	+135 −0	+0 −102	+0 −35	+2.33 −0.00	+0.00 −1.72	+0.00 −0.60
121 - 122	3865 ±118 $^{+114}_{-125}$	1646 ±111 $^{+132}_{-58}$	278 ±34 $^{+0}_{-61}$	66.8 ±2.0 $^{+2.0}_{-2.2}$	28.4 ±2.0 $^{+2.3}_{-1.0}$	4.8 ±0.7 $^{+0.0}_{-1.1}$
LP2	+0 −125	+132 −0	+0 −4	+0.00 −2.19	+2.26 −0.00	+0.00 −0.07
LP4	+55 −0	+0 −17	+0 −39	+0.96 −0.00	+0.00 −0.29	+0.00 −0.67
LP5	+100 −0	+0 −55	+0 −47	+1.75 −0.00	+0.00 −0.94	+0.00 −0.81
122 - 123	3642 ±113 $^{+112}_{-86}$	1569 ±105 $^{+70}_{-71}$	248 ±31 $^{+17}_{-42}$	66.7 ±2.0 $^{+2.0}_{-1.6}$	28.7 ±2.0 $^{+1.3}_{-1.3}$	4.5 ±0.7 $^{+0.3}_{-0.8}$
LP2	+0 −86	+70 −0	+17 −0	+0.00 −1.58	+1.27 −0.00	+0.31 −0.00
LP4	+43 −0	+0 −13	+0 −27	+0.75 −0.00	+0.00 −0.25	+0.00 −0.50
LP5	+104 −0	+0 −70	+0 −33	+1.89 −0.00	+0.00 −1.29	+0.00 −0.60
123 - 124	3676 ±112 $^{+167}_{-96}$	1514 ±104 $^{+85}_{-122}$	285 ±35 $^{+11}_{-50}$	67.1 ±2.0 $^{+3.1}_{-1.7}$	27.7 ±2.0 $^{+1.5}_{-2.2}$	5.2 ±0.7 $^{+0.2}_{-0.9}$
LP2	+0 −96	+85 −0	+11 −0	+0.00 −1.75	+1.55 −0.00	+0.20 −0.00
LP4	+78 −0	+0 −59	+0 −23	+1.48 −0.00	+0.00 −1.06	+0.00 −0.42
LP5	+148 −0	+0 −107	+0 −44	+2.74 −0.00	+0.00 −1.93	+0.00 −0.81
124 - 125	3640 ±110 $^{+155}_{-81}$	1525 ±100 $^{+63}_{-129}$	180 ±27 $^{+20}_{-20}$	68.1 ±2.0 $^{+2.8}_{-1.5}$	28.5 ±1.9 $^{+1.2}_{-2.4}$	3.4 ±0.6 $^{+0.4}_{-0.4}$
LP2	+0 −81	+63 −0	+20 −0	+0.00 −1.54	+1.18 −0.00	+0.37 −0.00
LP4	+87 −0	+0 −74	+0 −9	+1.58 −0.00	+0.00 −1.41	+0.00 −0.17
LP5	+128 −0	+0 −106	+0 −18	+2.34 −0.00	+0.00 −2.00	+0.00 −0.34
126 - 127	3516 ±106 $^{+181}_{-98}$	1490 ±92 $^{+76}_{-161}$	122 ±22 $^{+21}_{-18}$	68.6 ±1.9 $^{+3.5}_{-1.9}$	29.1 ±1.9 $^{+1.5}_{-3.2}$	2.4 ±0.5 $^{+0.4}_{-0.3}$
LP2	+0 −98	+76 −0	+21 −0	+0.00 −1.90	+1.49 −0.00	+0.40 −0.00
LP4	+94 −0	+0 −87	+0 −4	+1.80 −0.00	+0.00 −1.71	+0.00 −0.08
LP5	+155 −0	+0 −135	+0 −17	+2.98 −0.00	+0.00 −2.65	+0.00 −0.34
127 - 128	3344 ±105 $^{+100}_{-62}$	1292 ±95 $^{+44}_{-62}$	217 ±29 $^{+20}_{-37}$	68.9 ±2.1 $^{+2.0}_{-1.3}$	26.6 ±2.0 $^{+0.9}_{-1.3}$	4.5 ±0.7 $^{+0.4}_{-0.8}$
LP2	+0 −62	+44 −0	+20 −0	+0.00 −1.31	+0.90 −0.00	+0.41 −0.00
LP4	+52 −0	+0 −40	+0 −9	+1.03 −0.00	+0.00 −0.84	+0.00 −0.19
LP5	+85 −0	+0 −47	+0 −36	+1.73 −0.00	+0.00 −0.98	+0.00 −0.75
128 - 129	3193 ±101 $^{+64}_{-50}$	1280 ±90 $^{+32}_{-55}$	158 ±25 $^{+19}_{-11}$	69.0 ±2.1 $^{+1.4}_{-1.1}$	27.6 ±2.0 $^{+0.7}_{-1.2}$	3.4 ±0.6 $^{+0.4}_{-0.2}$
LP2	+0 −50	+32 −0	+19 −0	+0.00 −1.10	+0.69 −0.00	+0.40 −0.00
LP4	+22 −0	+0 −14	+0 −9	+0.48 −0.00	+0.00 −0.30	+0.00 −0.18
LP5	+60 −0	+0 −53	+0 −7	+1.29 −0.00	+0.00 −1.15	+0.00 −0.14
130 - 131	3010 ±99 $^{+111}_{-60}$	1201 ±89 $^{+50}_{-82}$	163 ±25 $^{+10}_{-31}$	68.8 ±2.2 $^{+2.6}_{-1.4}$	27.5 ±2.1 $^{+1.1}_{-1.9}$	3.7 ±0.7 $^{+0.2}_{-0.7}$
LP2	+0 −60	+50 −0	+10 −0	+0.00 −1.38	+1.15 −0.00	+0.24 −0.00
LP4	+46 −0	+0 −28	+0 −19	+1.06 −0.00	+0.00 −0.63	+0.00 −0.43
LP5	+101 −0	+0 −78	+0 −24	+2.32 −0.00	+0.00 −1.77	+0.00 −0.55
131 - 132	2894 ±95 $^{+47}_{-44}$	1095 ±85 $^{+31}_{-21}$	152 ±24 $^{+24}_{-36}$	69.9 ±2.2 $^{+1.1}_{-1.1}$	26.5 ±2.1 $^{+0.7}_{-0.5}$	3.7 ±0.7 $^{+0.6}_{-0.9}$
LP2	+0 −44	+21 −0	+24 −0	+0.00 −1.09	+0.51 −0.00	+0.58 −0.00

	Yield ± stat. ± syst.			Fraction ± stat. ± syst. [%]		
	$\gamma\gamma$	γ-jet	jet-jet	$\gamma\gamma$	γ-jet	jet-jet
Inclusive						
105 - 160	$170929 \pm 780\ ^{+7009}_{-3814}$	$74487 \pm 728\ ^{+2779}_{-5594}$	$10984 \pm 217\ ^{+1050}_{-1484}$	$66.7 \pm 0.3\ ^{+2.8}_{-1.5}$	$29.1 \pm 0.3\ ^{+1.1}_{-2.2}$	$4.3 \pm 0.1\ ^{+0.4}_{-0.6}$
LP2	$+0\ -3814$	$+2779\ -0$	$+1050\ -0$	$+0.00\ -1.49$	$+1.08\ -0.00$	$+0.41\ -0.00$
LP4	$+3407\ -0$	$+0\ -2749$	$+0\ -698$	$+1.34\ -0.00$	$+0.00\ -1.07$	$+0.00\ -0.27$
LP5	$+6125\ -0$	$+0\ -4872$	$+0\ -1310$	$+2.40\ -0.00$	$+0.00\ -1.89$	$+0.00\ -0.51$
μ						
16 - 17	$0 \pm 2\ ^{+0}_{-0}$	$3 \pm 3\ ^{+0}_{-0}$	$0 \pm 0\ ^{+0}_{-0}$	$0.0 \pm 61.1\ ^{+0.9}_{-0.0}$	$99.9 \pm 61.2\ ^{+0.0}_{-0.9}$	$0.1 \pm 0.3\ ^{+0.0}_{-0.0}$
LP2	$+0\ -0$	$+0\ -0$	$+0\ -0$	$+0.00\ -0.00$	$+0.00\ -0.01$	$+0.01\ -0.00$
LP4	$+0\ -0$	$+0\ -0$	$+0\ -0$	$+0.89\ -0.00$	$+0.00\ -0.89$	$+0.00\ -0.00$
LP5	$+0\ -0$	$+0\ -0$	$+0\ -0$	$+0.03\ -0.00$	$+0.00\ -0.02$	$+0.00\ -0.00$
17 - 18	$0 \pm 1\ ^{+0}_{-0}$	$1 \pm 3\ ^{+0}_{-0}$	$1 \pm 1\ ^{+0}_{-0}$	$14.9 \pm 82.8\ ^{+7.8}_{-14.5}$	$37.0 \pm 121.4\ ^{+14.1}_{-21.4}$	$48.1 \pm 109.5\ ^{+13.6}_{-0.0}$
LP2	$+0\ -0$	$+0\ -0$	$+0\ -0$	$+0.00\ -14.46$	$+14.07\ -0.00$	$+0.38\ -0.00$
LP4	$+0\ -0$	$+0\ -0$	$+0\ -0$	$+5.56\ -0.00$	$+0.00\ -15.21$	$+9.65\ -0.00$
LP5	$+0\ -0$	$+0\ -0$	$+0\ -0$	$+5.47\ -0.00$	$+0.00\ -15.05$	$+9.58\ -0.00$
18 - 19	$0 \pm 0\ ^{+0}_{-0}$	$0 \pm 0\ ^{+0}_{-0}$	$0 \pm 0\ ^{+0}_{-0}$	$0.0 \pm 0.0\ ^{+0.0}_{-0.0}$	$0.0 \pm 0.0\ ^{+0.0}_{-0.0}$	$0.0 \pm 0.0\ ^{+0.0}_{-0.0}$
LP2	$+0\ -0$	$+0\ -0$	$+0\ -0$	$+0.00\ -0.00$	$+0.00\ -0.00$	$+0.00\ -0.00$
LP4	$+0\ -0$	$+0\ -0$	$+0\ -0$	$+0.00\ -0.00$	$+0.00\ -0.00$	$+0.00\ -0.00$
LP5	$+0\ -0$	$+0\ -0$	$+0\ -0$	$+0.00\ -0.00$	$+0.00\ -0.00$	$+0.00\ -0.00$
19 - 20	$113 \pm 18\ ^{+2}_{-3}$	$43 \pm 14\ ^{+2}_{-2}$	$3 \pm 3\ ^{+1}_{-1}$	$71.2 \pm 9.8\ ^{+1.6}_{-1.8}$	$26.9 \pm 9.7\ ^{+1.5}_{-1.3}$	$1.8 \pm 2.0\ ^{+0.5}_{-0.5}$
LP2	$+0\ -3$	$+2\ -0$	$+1\ -0$	$+0.00\ -1.67$	$+1.15\ -0.00$	$+0.52\ -0.00$
LP4	$+2\ -0$	$+0\ -2$	$+0\ -0$	$+1.63\ -0.00$	$+0.00\ -1.33$	$+0.00\ -0.30$
LP5	$+0\ -1$	$+1\ -0$	$+0\ -1$	$+0.00\ -0.63$	$+1.03\ -0.00$	$+0.00\ -0.41$
20 - 21	$205 \pm 22\ ^{+13}_{-8}$	$45 \pm 18\ ^{+6}_{-12}$	$9 \pm 6\ ^{+2}_{-0}$	$79.1 \pm 7.6\ ^{+4.7}_{-3.1}$	$17.4 \pm 7.4\ ^{+2.5}_{-4.9}$	$3.5 \pm 2.5\ ^{+0.7}_{-0.0}$
LP2	$+0\ -8$	$+6\ -0$	$+2\ -0$	$+0.00\ -3.14$	$+2.45\ -0.00$	$+0.69\ -0.00$
LP4	$+7\ -0$	$+0\ -6$	$+0\ -0$	$+2.53\ -0.00$	$+0.00\ -2.49$	$+0.00\ -0.03$
LP5	$+11\ -0$	$+0\ -11$	$+1\ -0$	$+3.94\ -0.00$	$+0.00\ -4.18$	$+0.24\ -0.00$
21 - 22	$152 \pm 20\ ^{+6}_{-0}$	$45 \pm 21\ ^{+5}_{-10}$	$10 \pm 13\ ^{+10}_{-7}$	$73.6 \pm 11.3\ ^{+2.9}_{-0.0}$	$21.8 \pm 10.5\ ^{+2.5}_{-5.1}$	$4.6 \pm 6.5\ ^{+5.0}_{-3.6}$
LP2	$+0\ -0$	$+0\ -10$	$+10\ -0$	$+0.03\ -0.00$	$+0.00\ -5.08$	$+5.04\ -0.00$
LP4	$+0\ -0$	$+5\ -0$	$+0\ -5$	$+0.08\ -0.00$	$+2.51\ -0.00$	$+0.00\ -2.58$
LP5	$+6\ -0$	$+0\ -1$	$+0\ -5$	$+2.94\ -0.00$	$+0.00\ -0.41$	$+0.00\ -2.53$
22 - 23	$165 \pm 23\ ^{+0}_{-4}$	$43 \pm 23\ ^{+5}_{-2}$	$19 \pm 9\ ^{+3}_{-1}$	$72.6 \pm 10.6\ ^{+0.0}_{-1.6}$	$19.0 \pm 10.2\ ^{+2.0}_{-0.7}$	$8.4 \pm 4.9\ ^{+1.5}_{-0.6}$
LP2	$+0\ -2$	$+0\ -2$	$+3\ -0$	$+0.00\ -0.71$	$+0.00\ -0.75$	$+1.46\ -0.00$
LP4	$+0\ -2$	$+2\ -0$	$+0\ -0$	$+0.00\ -0.75$	$+0.96\ -0.00$	$+0.00\ -0.22$
LP5	$+0\ -3$	$+4\ -0$	$+0\ -1$	$+0.00\ -1.26$	$+1.79\ -0.00$	$+0.00\ -0.52$
23 - 24	$178 \pm 24\ ^{+7}_{-0}$	$62 \pm 23\ ^{+0}_{-7}$	$16 \pm 8\ ^{+2}_{-2}$	$69.7 \pm 9.3\ ^{+2.9}_{-0.0}$	$24.1 \pm 9.0\ ^{+0.0}_{-2.6}$	$6.2 \pm 3.7\ ^{+0.9}_{-0.8}$
LP2	$+0\ -0$	$+0\ -2$	$+2\ -0$	$+0.00\ -0.00$	$+0.00\ -0.87$	$+0.88\ -0.00$
LP4	$+6\ -0$	$+0\ -6$	$+0\ -0$	$+2.42\ -0.00$	$+0.00\ -2.29$	$+0.00\ -0.13$
LP5	$+4\ -0$	$+0\ -2$	$+0\ -2$	$+1.61\ -0.00$	$+0.00\ -0.86$	$+0.00\ -0.75$
24 - 25	$206 \pm 21\ ^{+9}_{-2}$	$61 \pm 15\ ^{+2}_{-12}$	$1 \pm 1\ ^{+4}_{-0}$	$76.9 \pm 6.1\ ^{+3.2}_{-0.9}$	$22.7 \pm 6.1\ ^{+0.8}_{-4.6}$	$0.4 \pm 0.3\ ^{+1.5}_{-0.0}$
LP2	$+0\ -2$	$+2\ -0$	$+0\ -0$	$+0.00\ -0.92$	$+0.75\ -0.00$	$+0.17\ -0.00$
LP4	$+5\ -0$	$+0\ -7$	$+3\ -0$	$+1.77\ -0.00$	$+0.00\ -2.73$	$+0.96\ -0.00$
LP5	$+7\ -0$	$+0\ -10$	$+3\ -0$	$+2.63\ -0.00$	$+0.00\ -3.73$	$+1.10\ -0.00$
25 - 26	$304 \pm 29\ ^{+15}_{-1}$	$108 \pm 24\ ^{+1}_{-10}$	$7 \pm 6\ ^{+0}_{-4}$	$72.6 \pm 6.1\ ^{+3.4}_{-0.1}$	$25.7 \pm 6.0\ ^{+0.2}_{-2.5}$	$1.7 \pm 1.5\ ^{+0.0}_{-0.9}$
LP2	$+0\ -1$	$+1\ -0$	$+0\ -0$	$+0.00\ -0.13$	$+0.19\ -0.00$	$+0.00\ -0.06$
LP4	$+9\ -0$	$+0\ -6$	$+0\ -2$	$+2.03\ -0.00$	$+0.00\ -1.55$	$+0.00\ -0.48$
LP5	$+12\ -0$	$+0\ -8$	$+0\ -3$	$+2.73\ -0.00$	$+0.00\ -1.99$	$+0.00\ -0.74$
26 - 27	$414 \pm 42\ ^{+17}_{-30}$	$176 \pm 42\ ^{+39}_{-4}$	$45 \pm 14\ ^{+0}_{-17}$	$65.2 \pm 6.8\ ^{+2.7}_{-4.7}$	$27.7 \pm 6.7\ ^{+6.2}_{-0.7}$	$7.1 \pm 2.7\ ^{+0.0}_{-2.7}$
LP2	$+0\ -30$	$+39\ -0$	$+0\ -9$	$+0.00\ -4.69$	$+6.09\ -0.00$	$+0.00\ -1.40$
LP4	$+0\ -2$	$+8\ -0$	$+0\ -7$	$+0.00\ -0.25$	$+1.28\ -0.00$	$+0.00\ -1.03$
LP5	$+17\ -0$	$+0\ -4$	$+0\ -13$	$+2.71\ -0.00$	$+0.00\ -0.71$	$+0.00\ -2.00$
27 - 28	$617 \pm 47\ ^{+45}_{-12}$	$319 \pm 43\ ^{+3}_{-50}$	$26 \pm 11\ ^{+11}_{-0}$	$64.1 \pm 4.7\ ^{+4.6}_{-1.2}$	$33.2 \pm 4.6\ ^{+0.3}_{-5.3}$	$2.7 \pm 1.3\ ^{+1.2}_{-0.0}$
LP2	$+0\ -12$	$+3\ -0$	$+9\ -0$	$+0.00\ -1.24$	$+0.34\ -0.00$	$+0.90\ -0.00$
LP4	$+26\ -0$	$+0\ -32$	$+6\ -0$	$+2.63\ -0.00$	$+0.00\ -3.30$	$+0.67\ -0.00$
LP5	$+37\ -0$	$+0\ -39$	$+3\ -0$	$+3.76\ -0.00$	$+0.00\ -4.09$	$+0.33\ -0.00$
28 - 29	$2307 \pm 87\ ^{+134}_{-57}$	$991 \pm 77\ ^{+42}_{-136}$	$102 \pm 20\ ^{+18}_{-1}$	$67.9 \pm 2.4\ ^{+3.9}_{-1.7}$	$29.1 \pm 2.4\ ^{+1.2}_{-4.0}$	$3.0 \pm 0.7\ ^{+0.5}_{-0.0}$
LP2	$+0\ -57$	$+42\ -0$	$+16\ -0$	$+0.00\ -1.70$	$+1.23\ -0.00$	$+0.47\ -0.00$
LP4	$+64\ -0$	$+0\ -70$	$+7\ -0$	$+1.85\ -0.00$	$+0.00\ -2.06$	$+0.21\ -0.00$
LP5	$+118\ -0$	$+0\ -116$	$+0\ -1$	$+3.47\ -0.00$	$+0.00\ -3.42$	$+0.00\ -0.04$
29 - 30	$2997 \pm 99\ ^{+178}_{-69}$	$1160 \pm 91\ ^{+49}_{-167}$	$171 \pm 27\ ^{+19}_{-7}$	$69.2 \pm 2.2\ ^{+4.0}_{-1.6}$	$26.8 \pm 2.2\ ^{+1.1}_{-3.9}$	$4.0 \pm 0.7\ ^{+0.4}_{-0.2}$
LP2	$+0\ -69$	$+49\ -0$	$+19\ -0$	$+0.00\ -1.57$	$+1.13\ -0.00$	$+0.44\ -0.00$
LP4	$+81\ -0$	$+0\ -74$	$+0\ -5$	$+1.83\ -0.00$	$+0.00\ -1.71$	$+0.00\ -0.12$
LP5	$+158\ -0$	$+0\ -150$	$+0\ -4$	$+3.60\ -0.00$	$+0.00\ -3.49$	$+0.00\ -0.10$
30 - 31	$1955 \pm 79\ ^{+113}_{-45}$	$763 \pm 70\ ^{+31}_{-112}$	$108 \pm 20\ ^{+15}_{-1}$	$69.2 \pm 2.7\ ^{+4.0}_{-1.6}$	$27.0 \pm 2.6\ ^{+1.1}_{-4.0}$	$3.8 \pm 0.8\ ^{+0.5}_{-0.0}$
LP2	$+0\ -45$	$+31\ -0$	$+15\ -0$	$+0.00\ -1.59$	$+1.08\ -0.00$	$+0.51\ -0.00$
LP4	$+60\ -0$	$+0\ -58$	$+0\ -1$	$+2.09\ -0.00$	$+0.00\ -2.05$	$+0.00\ -0.04$
LP5	$+96\ -0$	$+0\ -96$	$+0\ -0$	$+3.39\ -0.00$	$+0.00\ -3.39$	$+0.00\ -0.00$
31 - 32	$1948 \pm 86\ ^{+82}_{-45}$	$906 \pm 81\ ^{+31}_{-56}$	$139 \pm 24\ ^{+13}_{-25}$	$65.1 \pm 2.8\ ^{+2.7}_{-1.5}$	$30.3 \pm 2.8\ ^{+1.0}_{-1.9}$	$4.6 \pm 1.0\ ^{+0.4}_{-0.8}$
LP2	$+0\ -45$	$+31\ -0$	$+13\ -0$	$+0.00\ -1.49$	$+1.05\ -0.00$	$+0.45\ -0.00$
LP4	$+30\ -0$	$+0\ -16$	$+0\ -14$	$+1.00\ -0.00$	$+0.00\ -0.53$	$+0.00\ -0.47$
LP5	$+77\ -0$	$+0\ -54$	$+0\ -21$	$+2.52\ -0.00$	$+0.00\ -1.82$	$+0.00\ -0.69$
32 - 33	$2723 \pm 92\ ^{+85}_{-56}$	$879 \pm 86\ ^{+45}_{-42}$	$200 \pm 29\ ^{+13}_{-47}$	$71.6 \pm 2.4\ ^{+2.2}_{-1.5}$	$23.1 \pm 2.3\ ^{+1.2}_{-1.1}$	$5.3 \pm 0.9\ ^{+0.3}_{-1.2}$
LP2	$+0\ -56$	$+45\ -0$	$+13\ -0$	$+0.00\ -1.50$	$+1.16\ -0.00$	$+0.34\ -0.00$
LP4	$+57\ -0$	$+0\ -37$	$+0\ -19$	$+1.48\ -0.00$	$+0.00\ -0.98$	$+0.00\ -0.50$
LP5	$+64\ -0$	$+0\ -19$	$+0\ -43$	$+1.65\ -0.00$	$+0.00\ -0.51$	$+0.00\ -1.14$
33 - 34	$2841 \pm 93\ ^{+167}_{-71}$	$1087 \pm 80\ ^{+61}_{-164}$	$148 \pm 23\ ^{+12}_{-3}$	$69.7 \pm 2.1\ ^{+4.1}_{-1.8}$	$26.7 \pm 2.1\ ^{+1.5}_{-4.0}$	$3.6 \pm 0.7\ ^{+0.3}_{-0.1}$
LP2	$+0\ -71$	$+61\ -0$	$+12\ -0$	$+0.00\ -1.79$	$+1.49\ -0.00$	$+0.30\ -0.00$
LP4	$+89\ -0$	$+0\ -83$	$+0\ -3$	$+2.14\ -0.00$	$+0.00\ -2.06$	$+0.00\ -0.08$
LP5	$+141\ -0$	$+0\ -141$	$+0\ -0$	$+3.45\ -0.00$	$+0.00\ -3.46$	$+0.01\ -0.00$
34 - 35	$2654 \pm 98\ ^{+95}_{-46}$	$1177 \pm 90\ ^{+12}_{-59}$	$149 \pm 25\ ^{+33}_{-40}$	$66.7 \pm 2.4\ ^{+2.4}_{-1.1}$	$29.6 \pm 2.3\ ^{+0.3}_{-1.5}$	$3.7 \pm 0.7\ ^{+0.8}_{-1.0}$
LP2	$+0\ -46$	$+12\ -0$	$+33\ -0$	$+0.00\ -1.13$	$+0.30\ -0.00$	$+0.83\ -0.00$
LP4	$+38\ -0$	$+0\ -24$	$+0\ -15$	$+0.97\ -0.00$	$+0.00\ -0.60$	$+0.00\ -0.37$
LP5	$+87\ -0$	$+0\ -53$	$+0\ -37$	$+2.25\ -0.00$	$+0.00\ -1.32$	$+0.00\ -0.93$
35 - 36	$3388 \pm 110\ ^{+123}_{-74}$	$1499 \pm 102\ ^{+60}_{-65}$	$221 \pm 30\ ^{+15}_{-57}$	$66.3 \pm 2.1\ ^{+2.4}_{-1.5}$	$29.3 \pm 2.1\ ^{+1.2}_{-1.3}$	$4.3 \pm 0.7\ ^{+0.3}_{-1.1}$
LP2	$+0\ -74$	$+60\ -0$	$+15\ -0$	$+0.00\ -1.46$	$+1.17\ -0.00$	$+0.29\ -0.00$
LP4	$+64\ -0$	$+0\ -32$	$+0\ -31$	$+1.23\ -0.00$	$+0.00\ -0.63$	$+0.00\ -0.60$
LP5	$+105\ -0$	$+0\ -57$	$+0\ -48$	$+2.06\ -0.00$	$+0.00\ -1.12$	$+0.00\ -0.94$
37 - 38	$3810 \pm 111\ ^{+132}_{-71}$	$1482 \pm 104\ ^{+53}_{-77}$	$294 \pm 37\ ^{+19}_{-61}$	$68.2 \pm 2.0\ ^{+2.4}_{-1.3}$	$26.5 \pm 1.9\ ^{+0.9}_{-1.4}$	$5.3 \pm 0.8\ ^{+0.3}_{-1.1}$
LP2	$+0\ -71$	$+53\ -0$	$+19\ -0$	$+0.00\ -1.28$	$+0.94\ -0.00$	$+0.34\ -0.00$
LP4	$+79\ -0$	$+0\ -56$	$+0\ -24$	$+1.42\ -0.00$	$+0.00\ -1.00$	$+0.00\ -0.42$
LP5	$+105\ -0$	$+0\ -53$	$+0\ -57$	$+1.94\ -0.00$	$+0.00\ -0.93$	$+0.00\ -1.01$
38 - 39	$3777 \pm 109\ ^{+112}_{-94}$	$1476 \pm 97\ ^{+62}_{-62}$	$206 \pm 28\ ^{+32}_{-57}$	$69.2 \pm 1.9\ ^{+2.1}_{-1.7}$	$27.0 \pm 1.8\ ^{+1.1}_{-1.1}$	$3.8 \pm 0.6\ ^{+0.6}_{-1.0}$
LP2	$+0\ -94$	$+62\ -0$	$+32\ -0$	$+0.00\ -1.72$	$+1.14\ -0.00$	$+0.58\ -0.00$
LP4	$+52\ -0$	$+0\ -27$	$+0\ -31$	$+1.02\ -0.00$	$+0.00\ -0.46$	$+0.00\ -0.56$
LP5	$+99\ -0$	$+0\ -56$	$+0\ -48$	$+1.88\ -0.00$	$+0.00\ -1.00$	$+0.00\ -0.88$
39 - 40	$3901 \pm 112\ ^{+114}_{-87}$	$1552 \pm 100\ ^{+70}_{-105}$	$199 \pm 28\ ^{+17}_{-13}$	$69.0 \pm 1.9\ ^{+2.1}_{-1.5}$	$27.5 \pm 1.8\ ^{+1.2}_{-1.8}$	$3.5 \pm 0.6\ ^{+0.3}_{-0.2}$
LP2	$+0\ -87$	$+70\ -0$	$+17\ -0$	$+0.00\ -1.55$	$+1.24\ -0.00$	$+0.31\ -0.00$
LP4	$+50\ -0$	$+0\ -45$	$+0\ -7$	$+0.92\ -0.00$	$+0.00\ -0.80$	$+0.00\ -0.12$
LP5	$+102\ -0$	$+0\ -94$	$+0\ -11$	$+1.85\ -0.00$	$+0.00\ -1.65$	$+0.00\ -0.20$
41 - 42	$4096 \pm 114\ ^{+110}_{-85}$	$1471 \pm 103\ ^{+65}_{-56}$	$254 \pm 32\ ^{+20}_{-60}$	$70.4 \pm 1.9\ ^{+1.9}_{-1.5}$	$25.3 \pm 1.8\ ^{+1.1}_{-1.0}$	$4.4 \pm 0.6\ ^{+0.3}_{-1.0}$

	Yield ± stat. ± syst.			Fraction ± stat. ± syst. [%]		
	$\gamma\gamma$	γ-jet	jet-jet	$\gamma\gamma$	γ-jet	jet-jet
$N_{jets}(30GeV)$						
$N_{jets} = 0$	$95582 \pm 583\ ^{+3764}_{-1550}$	$46751 \pm 495\ ^{+566}_{-2449}$	$8246 \pm 161\ ^{+892}_{-1301}$	$63.5 \pm 0.4\ ^{+2.5}_{-1.0}$	$31.0 \pm 0.4\ ^{+0.4}_{-1.6}$	$5.5 \pm 0.1\ ^{+0.6}_{-0.9}$
LP2	$+0\ -1550$	$+566\ -0$	$+892\ -0$	$+0.00\ -0.99$	$+0.40\ -0.00$	$+0.60\ -0.00$
LP4	$+1878\ -0$	$+0\ -1263$	$+0\ -608$	$+1.24\ -0.00$	$+0.00\ -0.84$	$+0.00\ -0.40$
LP5	$+3263\ -0$	$+0\ -2098$	$+0\ -1150$	$+2.16\ -0.00$	$+0.00\ -1.40$	$+0.00\ -0.76$
$N_{jets} = 1$	$47357 \pm 382\ ^{+1645}_{-1053}$	$17335 \pm 342\ ^{+797}_{-1315}$	$2209 \pm 99\ ^{+259}_{-344}$	$70.8 \pm 0.5\ ^{+2.5}_{-1.6}$	$25.9 \pm 0.5\ ^{+1.2}_{-2.0}$	$3.3 \pm 0.2\ ^{+0.4}_{-0.5}$
LP2	$+0\ -1053$	$+797\ -0$	$+259\ -0$	$+0.00\ -1.58$	$+1.19\ -0.00$	$+0.39\ -0.00$
LP4	$+810\ -0$	$+0\ -643$	$+0\ -176$	$+1.22\ -0.00$	$+0.00\ -0.96$	$+0.00\ -0.26$
LP5	$+1432\ -0$	$+0\ -1148$	$+0\ -296$	$+2.15\ -0.00$	$+0.00\ -1.71$	$+0.00\ -0.44$
$N_{jets} = 2$	$19327 \pm 232\ ^{+587}_{-470}$	$6199 \pm 200\ ^{+405}_{-581}$	$679 \pm 55\ ^{+71}_{-21}$	$73.8 \pm 0.8\ ^{+2.3}_{-1.8}$	$23.7 \pm 0.8\ ^{+1.5}_{-2.2}$	$2.6 \pm 0.2\ ^{+0.3}_{-0.1}$
LP2	$+0\ -470$	$+405\ -0$	$+70\ -0$	$+0.00\ -1.81$	$+1.54\ -0.00$	$+0.27\ -0.00$
LP4	$+276\ -0$	$+0\ -288$	$+7\ -0$	$+1.07\ -0.00$	$+0.00\ -1.09$	$+0.03\ -0.00$
LP5	$+518\ -0$	$+0\ -505$	$+0\ -21$	$+2.00\ -0.00$	$+0.00\ -1.92$	$+0.00\ -0.08$
$N_{jets} \geq 3$	$6599 \pm 128\ ^{+173}_{-119}$	$1901 \pm 105\ ^{+94}_{-134}$	$164 \pm 27\ ^{+25}_{-41}$	$76.2 \pm 1.3\ ^{+2.0}_{-1.4}$	$21.9 \pm 1.3\ ^{+1.1}_{-1.5}$	$1.9 \pm 0.3\ ^{+0.3}_{-0.5}$
LP2	$+0\ -119$	$+94\ -0$	$+25\ -0$	$+0.00\ -1.37$	$+1.08\ -0.00$	$+0.29\ -0.00$
LP4	$+72\ -0$	$+0\ -50$	$+0\ -23$	$+0.84\ -0.00$	$+0.00\ -0.57$	$+0.00\ -0.27$
LP5	$+157\ -0$	$+0\ -124$	$+0\ -33$	$+1.82\ -0.00$	$+0.00\ -1.43$	$+0.00\ -0.39$
Can't understand region label	$3046 \pm 84\ ^{+92}_{-58}$	$750 \pm 67\ ^{+53}_{-90}$	$78 \pm 18\ ^{+5}_{-2}$	$78.6 \pm 1.9\ ^{+2.3}_{-1.5}$	$19.4 \pm 1.8\ ^{+1.4}_{-2.3}$	$2.0 \pm 0.5\ ^{+0.1}_{-0.1}$
LP2	$+0\ -58$	$+53\ -0$	$+5\ -0$	$+0.00\ -1.50$	$+1.36\ -0.00$	$+0.14\ -0.00$
LP4	$+33\ -0$	$+0\ -30$	$+0\ -2$	$+0.83\ -0.00$	$+0.00\ -0.77$	$+0.00\ -0.06$
LP5	$+86\ -0$	$+0\ -85$	$+0\ -0$	$+2.20\ -0.00$	$+0.00\ -2.19$	$+0.00\ -0.00$
$p_T^{\gamma\gamma}[GeV]$						
0 - 5	$10803 \pm 139\ ^{+163}_{-119}$	$1910 \pm 73\ ^{+58}_{-4}$	$695 \pm 45\ ^{+29}_{-148}$	$80.6 \pm 0.7\ ^{+1.1}_{-0.7}$	$14.2 \pm 0.6\ ^{+0.5}_{-0.0}$	$5.2 \pm 0.4\ ^{+0.2}_{-1.1}$
LP2	$+0\ -119$	$+58\ -0$	$+29\ -0$	$+0.00\ -0.69$	$+0.46\ -0.00$	$+0.23\ -0.00$
LP4	$+84\ -0$	$+0\ -4$	$+0\ -72$	$+0.58\ -0.00$	$+0.00\ -0.04$	$+0.00\ -0.54$
LP5	$+140\ -0$	$+0\ -1$	$+0\ -129$	$+0.98\ -0.00$	$+0.00\ -0.02$	$+0.00\ -0.96$
5 - 10	$19350 \pm 206\ ^{+341}_{-235}$	$5909 \pm 132\ ^{+51}_{-28}$	$1657 \pm 70\ ^{+144}_{-306}$	$71.9 \pm 0.6\ ^{+1.2}_{-0.8}$	$22.0 \pm 0.6\ ^{+0.2}_{-0.1}$	$6.2 \pm 0.3\ ^{+0.5}_{-1.1}$
LP2	$+0\ -235$	$+50\ -0$	$+144\ -0$	$+0.00\ -0.76$	$+0.22\ -0.00$	$+0.55\ -0.00$
LP4	$+190\ -0$	$+0\ -28$	$+0\ -138$	$+0.64\ -0.00$	$+0.00\ -0.12$	$+0.00\ -0.52$
LP5	$+282\ -0$	$+10\ -0$	$+0\ -273$	$+1.00\ -0.00$	$+0.02\ -0.00$	$+0.00\ -1.02$
10 - 15	$18948 \pm 278\ ^{+937}_{-422}$	$9549 \pm 274\ ^{+260}_{-751}$	$1860 \pm 89\ ^{+161}_{-193}$	$62.4 \pm 0.9\ ^{+3.1}_{-1.4}$	$31.5 \pm 0.9\ ^{+0.9}_{-2.5}$	$6.1 \pm 0.4\ ^{+0.5}_{-0.6}$
LP2	$+0\ -422$	$+260\ -0$	$+161\ -0$	$+0.00\ -1.39$	$+0.86\ -0.00$	$+0.53\ -0.00$
LP4	$+497\ -0$	$+0\ -418$	$+0\ -82$	$+1.64\ -0.00$	$+0.00\ -1.37$	$+0.00\ -0.27$
LP5	$+795\ -0$	$+0\ -624$	$+0\ -175$	$+2.63\ -0.00$	$+0.00\ -2.05$	$+0.00\ -0.57$
15 - 20	$16788 \pm 276\ ^{+711}_{-377}$	$10094 \pm 273\ ^{+260}_{-545}$	$1706 \pm 86\ ^{+115}_{-185}$	$58.7 \pm 1.0\ ^{+2.5}_{-1.3}$	$35.3 \pm 1.0\ ^{+0.9}_{-1.9}$	$6.0 \pm 0.4\ ^{+0.4}_{-0.6}$
LP2	$+0\ -377$	$+260\ -0$	$+115\ -0$	$+0.00\ -1.32$	$+0.91\ -0.00$	$+0.40\ -0.00$
LP4	$+349\ -0$	$+0\ -285$	$+0\ -73$	$+1.24\ -0.00$	$+0.00\ -0.99$	$+0.00\ -0.25$
LP5	$+620\ -0$	$+0\ -465$	$+0\ -170$	$+2.20\ -0.00$	$+0.00\ -1.61$	$+0.00\ -0.59$
20 - 25	$14668 \pm 246\ ^{+758}_{-359}$	$8490 \pm 241\ ^{+270}_{-640}$	$1287 \pm 75\ ^{+86}_{-125}$	$60.0 \pm 1.0\ ^{+3.1}_{-1.5}$	$34.7 \pm 1.0\ ^{+1.1}_{-2.6}$	$5.3 \pm 0.4\ ^{+0.4}_{-0.5}$
LP2	$+0\ -359$	$+270\ -0$	$+86\ -0$	$+0.00\ -1.46$	$+1.11\ -0.00$	$+0.35\ -0.00$
LP4	$+318\ -0$	$+0\ -259$	$+0\ -66$	$+1.32\ -0.00$	$+0.00\ -1.05$	$+0.00\ -0.27$
LP5	$+688\ -0$	$+0\ -585$	$+0\ -106$	$+2.82\ -0.00$	$+0.00\ -2.39$	$+0.00\ -0.43$
25 - 30	$12699 \pm 232\ ^{+709}_{-264}$	$7176 \pm 223\ ^{+166}_{-592}$	$917 \pm 64\ ^{+97}_{-116}$	$61.1 \pm 1.1\ ^{+3.4}_{-1.3}$	$34.5 \pm 1.1\ ^{+0.8}_{-2.9}$	$4.4 \pm 0.4\ ^{+0.5}_{-0.6}$
LP2	$+0\ -264$	$+166\ -0$	$+97\ -0$	$+0.00\ -1.27$	$+0.80\ -0.00$	$+0.47\ -0.00$
LP4	$+357\ -0$	$+0\ -308$	$+0\ -49$	$+1.72\ -0.00$	$+0.00\ -1.48$	$+0.00\ -0.24$
LP5	$+612\ -0$	$+0\ -506$	$+0\ -105$	$+2.94\ -0.00$	$+0.00\ -2.44$	$+0.00\ -0.51$
30 - 35	$11059 \pm 206\ ^{+528}_{-282}$	$5686 \pm 193\ ^{+186}_{-438}$	$642 \pm 53\ ^{+92}_{-85}$	$63.6 \pm 1.2\ ^{+3.0}_{-1.6}$	$32.7 \pm 1.1\ ^{+1.1}_{-2.5}$	$3.7 \pm 0.4\ ^{+0.5}_{-0.5}$
LP2	$+0\ -282$	$+186\ -0$	$+92\ -0$	$+0.00\ -1.61$	$+1.08\ -0.00$	$+0.53\ -0.00$
LP4	$+299\ -0$	$+0\ -256$	$+0\ -38$	$+1.70\ -0.00$	$+0.00\ -1.48$	$+0.00\ -0.22$
LP5	$+435\ -0$	$+0\ -355$	$+0\ -76$	$+2.49\ -0.00$	$+0.00\ -2.05$	$+0.00\ -0.44$
35 - 45	$17606 \pm 237\ ^{+725}_{-344}$	$7816 \pm 218\ ^{+224}_{-595}$	$845 \pm 60\ ^{+119}_{-130}$	$67.0 \pm 0.9\ ^{+2.8}_{-1.3}$	$29.8 \pm 0.9\ ^{+0.9}_{-2.3}$	$3.2 \pm 0.3\ ^{+0.5}_{-0.5}$
LP2	$+0\ -344$	$+224\ -0$	$+119\ -0$	$+0.00\ -1.31$	$+0.86\ -0.00$	$+0.45\ -0.00$
LP4	$+332\ -0$	$+0\ -260$	$+0\ -72$	$+1.26\ -0.00$	$+0.00\ -0.99$	$+0.00\ -0.27$
LP5	$+644\ -0$	$+0\ -536$	$+0\ -108$	$+2.45\ -0.00$	$+0.00\ -2.04$	$+0.00\ -0.41$
45 - 60	$18343 \pm 239\ ^{+668}_{-476}$	$6588 \pm 210\ ^{+398}_{-554}$	$741 \pm 59\ ^{+77}_{-110}$	$71.5 \pm 0.9\ ^{+2.6}_{-1.9}$	$25.7 \pm 0.9\ ^{+1.6}_{-2.2}$	$2.9 \pm 0.3\ ^{+0.3}_{-0.4}$
LP2	$+0\ -476$	$+398\ -0$	$+77\ -0$	$+0.00\ -1.85$	$+1.55\ -0.00$	$+0.30\ -0.00$
LP4	$+352\ -0$	$+0\ -289$	$+0\ -61$	$+1.37\ -0.00$	$+0.00\ -1.13$	$+0.00\ -0.24$
LP5	$+568\ -0$	$+0\ -472$	$+0\ -91$	$+2.20\ -0.00$	$+0.00\ -1.84$	$+0.00\ -0.35$
60 - 80	$14341 \pm 208\ ^{+498}_{-356}$	$4922 \pm 183\ ^{+292}_{-417}$	$488 \pm 49\ ^{+59}_{-79}$	$72.6 \pm 1.0\ ^{+2.5}_{-1.8}$	$24.9 \pm 1.0\ ^{+1.5}_{-2.1}$	$2.5 \pm 0.3\ ^{+0.3}_{-0.4}$
LP2	$+0\ -356$	$+292\ -0$	$+59\ -0$	$+0.00\ -1.79$	$+1.49\ -0.00$	$+0.30\ -0.00$
LP4	$+264\ -0$	$+0\ -231$	$+0\ -33$	$+1.34\ -0.00$	$+0.00\ -1.17$	$+0.00\ -0.16$
LP5	$+423\ -0$	$+0\ -346$	$+0\ -73$	$+2.13\ -0.00$	$+0.00\ -1.76$	$+0.00\ -0.37$
80 - 100	$7813 \pm 147\ ^{+229}_{-144}$	$2402 \pm 123\ ^{+105}_{-220}$	$172 \pm 29\ ^{+41}_{-11}$	$75.2 \pm 1.3\ ^{+2.2}_{-1.4}$	$23.1 \pm 1.2\ ^{+1.0}_{-2.1}$	$1.7 \pm 0.3\ ^{+0.4}_{-0.1}$
LP2	$+0\ -144$	$+105\ -0$	$+41\ -0$	$+0.00\ -1.40$	$+1.00\ -0.00$	$+0.39\ -0.00$
LP4	$+101\ -0$	$+0\ -91$	$+0\ -10$	$+0.97\ -0.00$	$+0.00\ -0.88$	$+0.00\ -0.10$
LP5	$+205\ -0$	$+0\ -201$	$+0\ -4$	$+1.97\ -0.00$	$+0.00\ -1.93$	$+0.00\ -0.04$
100 - 120	$4033 \pm 96\ ^{+113}_{-102}$	$945 \pm 73\ ^{+89}_{-99}$	$75 \pm 17\ ^{+10}_{-10}$	$79.8 \pm 1.6\ ^{+2.2}_{-2.0}$	$18.7 \pm 1.5\ ^{+1.8}_{-2.0}$	$1.5 \pm 0.4\ ^{+0.2}_{-0.2}$
LP2	$+0\ -102$	$+89\ -0$	$+10\ -0$	$+0.00\ -1.97$	$+1.77\ -0.00$	$+0.20\ -0.00$
LP4	$+52\ -0$	$+0\ -43$	$+0\ -7$	$+0.99\ -0.00$	$+0.00\ -0.86$	$+0.00\ -0.13$
LP5	$+101\ -0$	$+0\ -90$	$+0\ -7$	$+1.93\ -0.00$	$+0.00\ -1.79$	$+0.00\ -0.15$
120 - 140	$2081 \pm 67\ ^{+61}_{-46}$	$494 \pm 50\ ^{+46}_{-53}$	$27 \pm 10\ ^{+1}_{-3}$	$80.0 \pm 2.1\ ^{+2.2}_{-1.8}$	$19.0 \pm 2.0\ ^{+1.8}_{-2.1}$	$1.0 \pm 0.4\ ^{+0.0}_{-0.1}$
LP2	$+0\ -46$	$+46\ -0$	$+1\ -0$	$+0.00\ -1.80$	$+1.77\ -0.00$	$+0.02\ -0.00$
LP4	$+32\ -0$	$+0\ -29$	$+0\ -1$	$+1.17\ -0.00$	$+0.00\ -1.13$	$+0.00\ -0.03$
LP5	$+52\ -0$	$+0\ -45$	$+0\ -3$	$+1.87\ -0.00$	$+0.00\ -1.75$	$+0.00\ -0.12$
140 - 170	$1624 \pm 58\ ^{+62}_{-29}$	$360 \pm 42\ ^{+30}_{-56}$	$19 \pm 8\ ^{+0}_{-1}$	$81.1 \pm 2.3\ ^{+2.9}_{-1.4}$	$18.0 \pm 2.3\ ^{+1.5}_{-2.9}$	$0.9 \pm 0.4\ ^{+0.0}_{-0.0}$
LP2	$+0\ -29$	$+30\ -0$	$+0\ -1$	$+0.00\ -1.45$	$+1.49\ -0.00$	$+0.00\ -0.04$
LP4	$+19\ -0$	$+0\ -17$	$+0\ -0$	$+0.85\ -0.00$	$+0.00\ -0.85$	$+0.00\ -0.01$
LP5	$+59\ -0$	$+0\ -54$	$+0\ -0$	$+2.73\ -0.00$	$+0.00\ -2.73$	$+0.00\ -0.00$
170 - 200	$798 \pm 38\ ^{+19}_{-18}$	$148 \pm 25\ ^{+12}_{-15}$	$7 \pm 4\ ^{+6}_{-0}$	$83.7 \pm 2.9\ ^{+1.5}_{-1.8}$	$15.5 \pm 2.8\ ^{+1.3}_{-1.7}$	$0.8 \pm 0.5\ ^{+0.6}_{-0.0}$
LP2	$+0\ -18$	$+12\ -0$	$+5\ -0$	$+0.00\ -1.85$	$+1.29\ -0.00$	$+0.56\ -0.00$
LP4	$+10\ -0$	$+0\ -10$	$+2\ -0$	$+0.82\ -0.00$	$+0.00\ -1.05$	$+0.23\ -0.00$
LP5	$+15\ -0$	$+0\ -12$	$+0\ -0$	$+1.26\ -0.00$	$+0.00\ -1.27$	$+0.02\ -0.00$
200 - 250	$600 \pm 33\ ^{+13}_{-20}$	$100 \pm 21\ ^{+19}_{-11}$	$6 \pm 2\ ^{+1}_{-1}$	$85.0 \pm 3.2\ ^{+1.4}_{-2.7}$	$14.2 \pm 3.2\ ^{+2.8}_{-1.5}$	$0.8 \pm 0.4\ ^{+0.2}_{-0.1}$
LP2	$+0\ -17$	$+16\ -0$	$+0\ -1$	$+0.00\ -2.19$	$+2.31\ -0.00$	$+0.00\ -0.12$
LP4	$+0\ -11$	$+11\ -0$	$+0\ -0$	$+0.00\ -1.56$	$+1.50\ -0.00$	$+0.06\ -0.00$
LP5	$+13\ -0$	$+0\ -11$	$+1\ -0$	$+1.39\ -0.00$	$+0.00\ -1.55$	$+0.16\ -0.00$
250 - 300	$252 \pm 21\ ^{+15}_{-6}$	$44 \pm 12\ ^{+7}_{-13}$	$3 \pm 2\ ^{+0}_{-3}$	$84.4 \pm 4.7\ ^{+5.2}_{-1.9}$	$14.6 \pm 4.6\ ^{+2.4}_{-4.3}$	$0.9 \pm 0.9\ ^{+0.0}_{-1.0}$
LP2	$+0\ -6$	$+7\ -0$	$+0\ -2$	$+0.00\ -1.86$	$+2.36\ -0.00$	$+0.00\ -0.50$
LP4	$+8\ -0$	$+0\ -8$	$+0\ -1$	$+3.13\ -0.00$	$+0.00\ -2.64$	$+0.00\ -0.48$
LP5	$+13\ -0$	$+0\ -10$	$+0\ -2$	$+4.11\ -0.00$	$+0.00\ -3.41$	$+0.00\ -0.70$
300 - 450	$139 \pm 17\ ^{+0}_{-7}$	$41 \pm 11\ ^{+10}_{-0}$	$2 \pm 1\ ^{+1}_{-1}$	$76.4 \pm 6.7\ ^{+0.0}_{-4.5}$	$22.6 \pm 6.7\ ^{+5.1}_{-0.0}$	$1.0 \pm 0.9\ ^{+0.3}_{-0.8}$
LP2	$+0\ -3$	$+2\ -0$	$+1\ -0$	$+0.00\ -1.61$	$+1.26\ -0.00$	$+0.35\ -0.00$
LP4	$+0\ -6$	$+9\ -0$	$+0\ -1$	$+0.00\ -4.08$	$+4.65\ -0.00$	$+0.00\ -0.58$
LP5	$+0\ -0$	$+4\ -0$	$+0\ -1$	$+0.00\ -1.13$	$+1.72\ -0.00$	$+0.00\ -0.59$
450 - 650	$37 \pm 7\ ^{+0}_{-2}$	$6 \pm 3\ ^{+3}_{-0}$	$0 \pm 0\ ^{+0}_{-0}$	$86.0 \pm 8.9\ ^{+0.0}_{-6.0}$	$13.7 \pm 8.8\ ^{+6.5}_{-0.0}$	$0.4 \pm 0.9\ ^{+0.0}_{-0.6}$
LP2	$+0\ -1$	$+2\ -0$	$+0\ -0$	$+0.00\ -3.11$	$+3.48\ -0.00$	$+0.00\ -0.37$
LP4	$+0\ -2$	$+2\ -0$	$+0\ -0$	$+0.00\ -4.47$	$+4.79\ -0.00$	$+0.00\ -0.32$
LP5	$+0\ -1$	$+1\ -0$	$+0\ -0$	$+0.00\ -2.46$	$+2.77\ -0.00$	$+0.00\ -0.31$
650 - 13000	$3 \pm 4\ ^{+1}_{-0}$	$2 \pm 2\ ^{+0}_{-2}$	$1 \pm 1\ ^{+2}_{-0}$	$54.5 \pm 57.5\ ^{+9.0}_{-3.1}$	$36.8 \pm 53.6\ ^{+7.7}_{-32.9}$	$8.7 \pm 19.6\ ^{+25.3}_{-7.5}$

	Yield ± stat. ± syst.			Fraction ± stat. ± syst. [%]		
	$\gamma\gamma$	γ-jet	jet-jet	$\gamma\gamma$	γ-jet	jet-jet
$\lvert y_{\gamma\gamma}\rvert$						
0.0 - 0.1	16106 $\pm$224 $^{+716}_{-342}$	6906 $\pm$193 $^{+253}_{-528}$	1020 $\pm$57 $^{+89}_{-190}$	67.0 $\pm$0.9 $^{+3.0}_{-1.4}$	28.7 $\pm$0.8 $^{+1.1}_{-2.2}$	4.2 $\pm$0.3 $^{+0.4}_{-0.8}$
LP2	+0 −342	+253 −0	+89 −0	+0.00 −1.42	+1.05 −0.00	+0.37 −0.00
LP4	+364 −0	+0 −258	+0 −106	+1.52 −0.00	+0.00 −1.07	+0.00 −0.44
LP5	+617 −0	+0 −461	+0 −158	+2.57 −0.00	+0.00 −1.92	+0.00 −0.66
0.1 - 0.3	15843 $\pm$234 $^{+875}_{-348}$	6713 $\pm$209 $^{+248}_{-688}$	1083 $\pm$61 $^{+101}_{-193}$	67.0 $\pm$0.9 $^{+3.7}_{-1.5}$	28.4 $\pm$0.9 $^{+1.0}_{-2.9}$	4.6 $\pm$0.3 $^{+0.4}_{-0.8}$
LP2	+0 −348	+248 −0	+101 −0	+0.00 −1.48	+1.05 −0.00	+0.43 −0.00
LP4	+445 −0	+0 −346	+0 −107	+1.90 −0.00	+0.00 −1.45	+0.00 −0.45
LP5	+753 −0	+0 −595	+0 −161	+3.20 −0.00	+0.00 −2.52	+0.00 −0.68
0.3 - 0.5	15147 $\pm$226 $^{+836}_{-371}$	6718 $\pm$195 $^{+276}_{-665}$	899 $\pm$54 $^{+97}_{-184}$	66.5 $\pm$0.9 $^{+3.7}_{-1.6}$	29.5 $\pm$0.9 $^{+1.2}_{-2.9}$	3.9 $\pm$0.3 $^{+0.4}_{-0.8}$
LP2	+0 −371	+276 −0	+97 −0	+0.00 −1.63	+1.21 −0.00	+0.42 −0.00
LP4	+425 −0	+0 −339	+0 −98	+1.90 −0.00	+0.00 −1.47	+0.00 −0.43
LP5	+720 −0	+0 −572	+0 −155	+3.19 −0.00	+0.00 −2.50	+0.00 −0.68
0.5 - 0.6	14393 $\pm$210 $^{+735}_{-382}$	6228 $\pm$187 $^{+296}_{-602}$	780 $\pm$54 $^{+83}_{-140}$	67.3 $\pm$0.9 $^{+3.5}_{-1.8}$	29.1 $\pm$0.9 $^{+1.4}_{-2.8}$	3.6 $\pm$0.3 $^{+0.4}_{-0.7}$
LP2	+0 −382	+296 −0	+83 −0	+0.00 −1.78	+1.39 −0.00	+0.39 −0.00
LP4	+411 −0	+0 −337	+0 −79	+1.94 −0.00	+0.00 −1.57	+0.00 −0.37
LP5	+609 −0	+0 −499	+0 −116	+2.86 −0.00	+0.00 −2.33	+0.00 −0.54
0.6 - 0.8	13827 $\pm$223 $^{+769}_{-395}$	6076 $\pm$207 $^{+282}_{-605}$	983 $\pm$66 $^{+109}_{-165}$	66.2 $\pm$1.1 $^{+3.7}_{-1.9}$	29.1 $\pm$1.0 $^{+1.4}_{-2.9}$	4.7 $\pm$0.4 $^{+0.5}_{-0.8}$
LP2	+0 −395	+282 −0	+109 −0	+0.00 −1.88	+1.36 −0.00	+0.52 −0.00
LP4	+385 −0	+0 −283	+0 −102	+1.85 −0.00	+0.00 −1.36	+0.00 −0.49
LP5	+666 −0	+0 −534	+0 −130	+3.18 −0.00	+0.00 −2.56	+0.00 −0.62
0.8 - 0.9	13567 $\pm$223 $^{+781}_{-388}$	6359 $\pm$202 $^{+279}_{-679}$	826 $\pm$61 $^{+106}_{-95}$	65.4 $\pm$1.0 $^{+3.7}_{-1.9}$	30.6 $\pm$1.0 $^{+1.3}_{-3.3}$	4.0 $\pm$0.3 $^{+0.5}_{-0.5}$
LP2	+0 −388	+279 −0	+106 −0	+0.00 −1.86	+1.35 −0.00	+0.51 −0.00
LP4	+428 −0	+0 −363	+0 −58	+2.04 −0.00	+0.00 −1.76	+0.00 −0.28
LP5	+654 −0	+0 −573	+0 −75	+3.13 −0.00	+0.00 −2.77	+0.00 −0.36
0.9 - 1.2	27154 $\pm$305 $^{+1418}_{-759}$	11828 $\pm$289 $^{+617}_{-1282}$	1925 $\pm$95 $^{+130}_{-151}$	66.4 $\pm$0.7 $^{+3.5}_{-1.8}$	28.9 $\pm$0.7 $^{+1.5}_{-3.1}$	4.7 $\pm$0.3 $^{+0.3}_{-0.4}$
LP2	+0 −759	+617 −0	+130 −0	+0.00 −1.84	+1.52 −0.00	+0.32 −0.00
LP4	+809 −0	+0 −787	+0 −12	+1.96 −0.00	+0.00 −1.93	+0.00 −0.03
LP5	+1165 −0	+0 −1012	+0 −150	+2.84 −0.00	+0.00 −2.48	+0.00 −0.37
1.2 - 1.6	30589 $\pm$343 $^{+1237}_{-655}$	13288 $\pm$333 $^{+387}_{-1057}$	2225 $\pm$108 $^{+268}_{-181}$	66.3 $\pm$0.8 $^{+2.7}_{-1.4}$	28.8 $\pm$0.7 $^{+0.8}_{-2.3}$	4.8 $\pm$0.3 $^{+0.6}_{-0.4}$
LP2	+0 −655	+387 −0	+268 −0	+0.00 −1.42	+0.84 −0.00	+0.58 −0.00
LP4	+648 −0	+0 −600	+0 −32	+1.38 −0.00	+0.00 −1.31	+0.00 −0.07
LP5	+1054 −0	+0 −870	+0 −178	+2.28 −0.00	+0.00 −1.89	+0.00 −0.39
1.6 - 2.0	17663 $\pm$284 $^{+228}_{-438}$	8417 $\pm$285 $^{+443}_{-89}$	1058 $\pm$87 $^{+34}_{-170}$	65.1 $\pm$1.1 $^{+0.9}_{-1.6}$	31.0 $\pm$1.1 $^{+1.6}_{-0.3}$	3.9 $\pm$0.4 $^{+0.1}_{-0.6}$
LP2	+0 −417	+392 −0	+34 −0	+0.00 −1.56	+1.43 −0.00	+0.12 −0.00
LP4	+0 −135	+206 −0	+0 −76	+0.00 −0.48	+0.77 −0.00	+0.00 −0.28
LP5	+228 −0	+0 −89	+0 −151	+0.87 −0.00	+0.00 −0.31	+0.00 −0.56
2.0 - 2.5	5928 $\pm$149 $^{+92}_{-85}$	2570 $\pm$133 $^{+86}_{-87}$	175 $\pm$29 $^{+16}_{-0}$	68.4 $\pm$1.6 $^{+1.0}_{-1.0}$	29.6 $\pm$1.6 $^{+1.0}_{-1.0}$	2.0 $\pm$0.4 $^{+0.2}_{-0.0}$
LP2	+0 −82	+86 −0	+0 −0	+0.00 −0.98	+0.98 −0.00	+0.00 −0.00
LP4	+0 −21	+5 −0	+16 −0	+0.00 −0.25	+0.06 −0.00	+0.19 −0.00
LP5	+92 −0	+0 −87	+1 −0	+1.02 −0.00	+0.00 −1.03	+0.00 −0.00
$p_T^{j_1}[GeV]$						
-10 - 30	95582 $\pm$583 $^{+3765}_{-1550}$	46751 $\pm$495 $^{+566}_{-2449}$	8246 $\pm$161 $^{+892}_{-1301}$	63.5 $\pm$0.4 $^{+2.5}_{-1.0}$	31.0 $\pm$0.4 $^{+0.4}_{-1.6}$	5.5 $\pm$0.1 $^{+0.6}_{-0.9}$
LP2	+0 −1550	+566 −0	+892 −0	+0.00 −0.99	+0.39 −0.00	+0.60 −0.00
LP4	+1878 −0	+0 −1263	+0 −608	+1.24 −0.00	+0.00 −0.84	+0.00 −0.40
LP5	+3263 −0	+0 −2098	+0 −1150	+2.16 −0.00	+0.00 −1.40	+0.00 −0.76
30 - 60	44722 $\pm$378 $^{+1645}_{-1036}$	17081 $\pm$343 $^{+788}_{-1376}$	2217 $\pm$99 $^{+235}_{-266}$	69.9 $\pm$0.6 $^{+2.6}_{-1.6}$	26.7 $\pm$0.6 $^{+1.2}_{-2.2}$	3.5 $\pm$0.2 $^{+0.4}_{-0.4}$
LP2	+0 −1036	+788 −0	+235 −0	+0.00 −1.60	+1.24 −0.00	+0.37 −0.00
LP4	+817 −0	+0 −688	+0 −127	+1.27 −0.00	+0.00 −1.08	+0.00 −0.20
LP5	+1428 −0	+0 −1192	+0 −234	+2.23 −0.00	+0.00 −1.86	+0.00 −0.37
60 - 90	16730 $\pm$213 $^{+515}_{-347}$	5237 $\pm$183 $^{+272}_{-433}$	607 $\pm$51 $^{+79}_{-89}$	74.1 $\pm$0.9 $^{+2.3}_{-1.6}$	23.2 $\pm$0.8 $^{+1.2}_{-1.9}$	2.7 $\pm$0.3 $^{+0.4}_{-0.4}$
LP2	+0 −347	+272 −0	+79 −0	+0.00 −1.55	+1.20 −0.00	+0.35 −0.00
LP4	+275 −0	+0 −242	+0 −38	+1.23 −0.00	+0.00 −1.07	+0.00 −0.17
LP5	+436 −0	+0 −360	+0 −80	+1.95 −0.00	+0.00 −1.59	+0.00 −0.36
90 - 120	7128 $\pm$134 $^{+194}_{-174}$	1956 $\pm$112 $^{+170}_{-164}$	206 $\pm$31 $^{+7}_{-32}$	76.7 $\pm$1.3 $^{+2.1}_{-1.9}$	21.1 $\pm$1.3 $^{+1.8}_{-1.8}$	2.2 $\pm$0.4 $^{+0.1}_{-0.3}$
LP2	+0 −174	+170 −0	+7 −0	+0.00 −1.90	+1.82 −0.00	+0.08 −0.00
LP4	+99 −0	+0 −88	+0 −12	+1.08 −0.00	+0.00 −0.95	+0.00 −0.13
LP5	+167 −0	+0 −139	+0 −30	+1.81 −0.00	+0.00 −1.49	+0.00 −0.32
120 - 350	7388 $\pm$128 $^{+109}_{-134}$	1840 $\pm$99 $^{+122}_{-140}$	113 $\pm$24 $^{+34}_{-0}$	79.1 $\pm$1.1 $^{+1.2}_{-1.5}$	19.7 $\pm$1.1 $^{+1.3}_{-1.5}$	1.2 $\pm$0.3 $^{+0.4}_{-0.0}$
LP2	+0 −134	+122 −0	+17 −0	+0.00 −1.47	+1.30 −0.00	+0.18 −0.00
LP4	+0 −8	+0 −4	+9 −0	+0.00 −0.06	+0.00 −0.03	+0.10 −0.00
LP5	+109 −0	+0 −140	+28 −0	+1.19 −0.00	+0.00 −1.50	+0.30 −0.00
350 - 13000	332 $\pm$25 $^{+14}_{-2}$	80 $\pm$16 $^{+0}_{-11}$	2 $\pm$1 $^{+4}_{-0}$	80.3 $\pm$4.4 $^{+2.7}_{-0.5}$	19.2 $\pm$4.4 $^{+0.0}_{-2.8}$	0.4 $\pm$0.2 $^{+0.9}_{-0.1}$
LP2	+0 −2	+0 −2	+4 −0	+0.00 −0.46	+0.00 −0.43	+0.89 −0.00
LP4	+2 −0	+0 −1	+0 −0	+0.29 −0.00	+0.00 −0.23	+0.00 −0.06
LP5	+14 −0	+0 −11	+0 −0	+2.65 −0.00	+0.00 −2.76	+0.11 −0.00

Table 4: 2x2D Sideband Method: 13 TeV yields and purities : 140.0 fb^{-1} for

	Yield ± stat. ± syst.			Fraction ± stat. ± syst. [%]		
	$\gamma\gamma$	γ-jet	jet-jet	$\gamma\gamma$	γ-jet	jet-jet
$\Delta\phi(j,j)$						
-5.0 - -3.1	141915 ±726 $^{+6071}_{-3147}$	65675 ±686 $^{+2243}_{-4760}$	10043 ±214 $^{+904}_{-1358}$	65.2 ±0.3 $^{+2.8}_{-1.4}$	30.2 ±0.3 $^{+1.0}_{-2.2}$	4.6 ±0.1 $^{+0.4}_{-0.6}$
LP2	+0 −3147	+2243 −0	+904 −0	+0.00 −1.45	+1.03 −0.00	+0.42 −0.00
LP4	+2983 −0	+0 −2366	+0 −646	+1.38 −0.00	+0.00 −1.08	+0.00 −0.30
LP5	+5288 −0	+0 −4130	+0 −1194	+2.44 −0.00	+0.00 −1.89	+0.00 −0.55
-3.1 - -1.6	10263 ±166 $^{+276}_{-222}$	3177 ±140 $^{+188}_{-231}$	305 ±37 $^{+38}_{-45}$	74.7 ±1.1 $^{+2.0}_{-1.6}$	23.1 ±1.1 $^{+1.4}_{-1.7}$	2.2 ±0.3 $^{+0.3}_{-0.3}$
LP2	+0 −222	+188 −0	+38 −0	+0.00 −1.63	+1.36 −0.00	+0.28 −0.00
LP4	+116 −0	+0 −86	+0 −29	+0.84 −0.00	+0.00 −0.63	+0.00 −0.21
LP5	+250 −0	+0 −214	+0 −35	+1.81 −0.00	+0.00 −1.56	+0.00 −0.25
-1.6 - 0.0	4297 ±107 $^{+140}_{-92}$	1303 ±91 $^{+80}_{-133}$	158 ±26 $^{+15}_{-10}$	74.6 ±1.7 $^{+2.4}_{-1.6}$	22.6 ±1.7 $^{+1.4}_{-2.3}$	2.7 ±0.5 $^{+0.3}_{-0.2}$
LP2	+0 −92	+80 −0	+14 −0	+0.00 −1.62	+1.38 −0.00	+0.24 −0.00
LP4	+72 −0	+0 −77	+7 −0	+1.22 −0.00	+0.00 −1.34	+0.11 −0.00
LP5	+120 −0	+0 −108	+0 −10	+2.06 −0.00	+0.00 −1.89	+0.00 −0.17
0.0 - 1.6	4089 ±107 $^{+74}_{-119}$	1457 ±93 $^{+118}_{-73}$	137 ±25 $^{+3}_{-4}$	71.9 ±1.7 $^{+1.3}_{-2.1}$	25.6 ±1.7 $^{+2.1}_{-1.3}$	2.4 ±0.5 $^{+0.1}_{-0.1}$
LP2	+0 −119	+118 −0	+3 −0	+0.00 −2.11	+2.06 −0.00	+0.05 −0.00
LP4	+0 −5	+6 −0	+0 −3	+0.00 −0.07	+0.11 −0.00	+0.00 −0.04
LP5	+74 −0	+0 −73	+0 −3	+1.32 −0.00	+0.00 −1.27	+0.00 −0.05
1.6 - 3.1	10330 ±163 $^{+364}_{-210}$	2909 ±137 $^{+165}_{-369}$	318 ±37 $^{+43}_{-8}$	76.2 ±1.1 $^{+2.7}_{-1.5}$	21.5 ±1.1 $^{+1.2}_{-2.7}$	2.3 ±0.3 $^{+0.3}_{-0.1}$
LP2	+0 −210	+165 −0	+43 −0	+0.00 −1.54	+1.22 −0.00	+0.32 −0.00
LP4	+191 −0	+0 −201	+4 −0	+1.44 −0.00	+0.00 −1.47	+0.03 −0.00
LP5	+310 −0	+0 −309	+0 −8	+2.33 −0.00	+0.00 −2.27	+0.00 −0.06
$m_{jj}[GeV]$						
-100 - 0	141915 ±733 $^{+6071}_{-3147}$	65675 ±688 $^{+2243}_{-4760}$	10043 ±209 $^{+904}_{-1358}$	65.2 ±0.3 $^{+2.8}_{-1.4}$	30.2 ±0.3 $^{+1.0}_{-2.2}$	4.6 ±0.1 $^{+0.4}_{-0.6}$
LP2	+0 −3147	+2243 −0	+904 −0	+0.00 −1.45	+1.03 −0.00	+0.42 −0.00
LP4	+2983 −0	+0 −2366	+0 −646	+1.38 −0.00	+0.00 −1.08	+0.00 −0.30
LP5	+5288 −0	+0 −4130	+0 −1194	+2.44 −0.00	+0.00 −1.89	+0.00 −0.55
0 - 120	9288 ±164 $^{+310}_{-249}$	3333 ±142 $^{+212}_{-326}$	299 ±37 $^{+42}_{-0}$	71.9 ±1.2 $^{+2.4}_{-1.9}$	25.8 ±1.2 $^{+1.6}_{-2.5}$	2.3 ±0.3 $^{+0.3}_{-0.0}$
LP2	+0 −249	+212 −0	+40 −0	+0.00 −1.94	+1.64 −0.00	+0.31 −0.00
LP4	+144 −0	+0 −160	+12 −0	+1.14 −0.00	+0.00 −1.23	+0.10 −0.00
LP5	+274 −0	+0 −283	+4 −0	+2.15 −0.00	+0.00 −2.18	+0.03 −0.00
120 - 450	15883 ±201 $^{+492}_{-312}$	4534 ±167 $^{+260}_{-460}$	444 ±44 $^{+53}_{-34}$	76.1 ±0.9 $^{+2.4}_{-1.5}$	21.7 ±0.8 $^{+1.2}_{-2.2}$	2.1 ±0.2 $^{+0.3}_{-0.2}$
LP2	+0 −312	+260 −0	+53 −0	+0.00 −1.50	+1.24 −0.00	+0.25 −0.00
LP4	+223 −0	+0 −206	+0 −17	+1.07 −0.00	+0.00 −0.99	+0.00 −0.08
LP5	+439 −0	+0 −411	+0 −29	+2.11 −0.00	+0.00 −1.97	+0.00 −0.14
450 - 1500	3556 ±95 $^{+65}_{-74}$	889 ±81 $^{+66}_{-27}$	169 ±26 $^{+11}_{-36}$	77.1 ±1.9 $^{+1.4}_{-1.6}$	19.3 ±1.8 $^{+1.4}_{-0.6}$	3.7 ±0.6 $^{+0.2}_{-0.8}$
LP2	+0 −74	+66 −0	+11 −0	+0.00 −1.64	+1.41 −0.00	+0.23 −0.00
LP4	+24 −0	+0 −10	+0 −14	+0.52 −0.00	+0.00 −0.21	+0.00 −0.31
LP5	+60 −0	+0 −25	+0 −33	+1.27 −0.00	+0.00 −0.55	+0.00 −0.72
1500 - 13000	250 ±26 $^{+3}_{-10}$	94 ±21 $^{+10}_{-3}$	3 ±4 $^{+0}_{-1}$	71.9 ±6.7 $^{+1.1}_{-3.0}$	27.2 ±6.6 $^{+3.0}_{-0.9}$	0.9 ±1.3 $^{+0.0}_{-0.4}$
LP2	+0 −10	+10 −0	+0 −0	+0.00 −2.97	+3.03 −0.00	+0.00 −0.05
LP4	+0 −1	+1 −0	+0 −1	+0.01 −0.00	+0.27 −0.00	+0.00 −0.28
LP5	+3 −0	+0 −3	+0 −1	+1.13 −0.00	+0.00 −0.89	+0.00 −0.24
$N_{b-taggedjets}(30GeV)$						
$N_{jets} = 0$	95583 ±566 $^{+3764}_{-1551}$	46751 ±466 $^{+566}_{-2449}$	8246 ±159 $^{+892}_{-1301}$	63.5 ±0.3 $^{+2.5}_{-1.0}$	31.0 ±0.3 $^{+0.4}_{-1.6}$	5.5 ±0.1 $^{+0.6}_{-0.9}$
LP2	+0 −1551	+566 −0	+892 −0	+0.00 −0.99	+0.40 −0.00	+0.60 −0.00
LP4	+1878 −0	+0 −1263	+0 −608	+1.24 −0.00	+0.00 −0.84	+0.00 −0.40
LP5	+3262 −0	+0 −2098	+0 −1150	+2.16 −0.00	+0.00 −1.40	+0.00 −0.76
$N_{jets} = 1$	71932 ±461 $^{+2369}_{-1597}$	24991 ±410 $^{+1257}_{-1982}$	3035 ±108 $^{+346}_{-406}$	72.0 ±0.4 $^{+2.4}_{-1.6}$	25.0 ±0.4 $^{+1.3}_{-2.0}$	3.0 ±0.1 $^{+0.3}_{-0.4}$
LP2	+0 −1597	+1257 −0	+346 −0	+0.00 −1.60	+1.26 −0.00	+0.35 −0.00
LP4	+1121 −0	+0 −926	+0 −206	+1.13 −0.00	+0.00 −0.92	+0.00 −0.21
LP5	+2086 −0	+0 −1753	+0 −350	+2.10 −0.00	+0.00 −1.75	+0.00 −0.35
$N_{jets} = 2$	4137 ±99 $^{+143}_{-103}$	1091 ±78 $^{+89}_{-149}$	73 ±18 $^{+20}_{-3}$	78.0 ±1.6 $^{+2.8}_{-2.0}$	20.6 ±1.6 $^{+1.7}_{-2.8}$	1.4 ±0.4 $^{+0.4}_{-0.1}$
LP2	+0 −103	+89 −0	+18 −0	+0.00 −2.00	+1.66 −0.00	+0.35 −0.00
LP4	+77 −0	+0 −87	+7 −0	+1.49 −0.00	+0.00 −1.63	+0.14 −0.00
LP5	+121 −0	+0 −121	+0 −3	+2.33 −0.00	+0.00 −2.28	+0.00 −0.05
$N_{jets} \geq 3$	275 ±30 $^{+11}_{-10}$	96 ±28 $^{+9}_{-8}$	13 ±8 $^{+0}_{-4}$	71.6 ±7.7 $^{+2.9}_{-2.3}$	25.1 ±7.6 $^{+2.5}_{-2.0}$	3.3 ±2.5 $^{+0.0}_{-0.9}$
LP2	+0 −10	+9 −0	+0 −0	+0.00 −2.34	+2.46 −0.00	+0.00 −0.11
LP4	+3 −0	+0 −4	+0 −0	+0.94 −0.00	+0.00 −0.93	+0.00 −0.01
LP5	+10 −0	+0 −7	+0 −4	+2.71 −0.00	+0.00 −1.80	+0.00 −0.91

Table 5: 2x2D Sideband Method: 13 TeV yields and purities : 140.0 fb^{-1} for

	Yield ± stat. ± syst.			Fraction ± stat. ± syst. [%]		
	$\gamma\gamma$	γ-jet	jet-jet	$\gamma\gamma$	γ-jet	jet-jet
$N_{leptons}(15GeV)$						
-0.5 - 0.5	$170576 \pm 778\ ^{+6994}_{-3808}$	$74414 \pm 723\ ^{+2776}_{-5584}$	$10971 \pm 213\ ^{+1046}_{-1480}$	$66.6 \pm 0.3\ ^{+2.8}_{-1.5}$	$29.1 \pm 0.3\ ^{+1.1}_{-2.2}$	$4.3 \pm 0.1\ ^{+0.4}_{-0.6}$
LP2	$+0\ -3808$	$+2776\ -0$	$+1046\ -0$	$+0.00\ -1.49$	$+1.08\ -0.00$	$+0.41\ -0.00$
LP4	$+3400\ -0$	$+0\ -2745$	$+0\ -695$	$+1.34\ -0.00$	$+0.00\ -1.07$	$+0.00\ -0.27$
LP5	$+6113\ -0$	$+0\ -4863$	$+0\ -1307$	$+2.40\ -0.00$	$+0.00\ -1.89$	$+0.00\ -0.51$
0.5 - 10.0	$346 \pm 32\ ^{+20}_{-9}$	$77 \pm 30\ ^{+3}_{-13}$	$13 \pm 10\ ^{+5}_{-6}$	$79.3 \pm 7.3\ ^{+4.4}_{-1.9}$	$17.7 \pm 7.0\ ^{+0.8}_{-3.1}$	$3.0 \pm 2.5\ ^{+1.2}_{-1.4}$
LP2	$+0\ -9$	$+3\ -0$	$+5\ -0$	$+0.00\ -1.95$	$+0.76\ -0.00$	$+1.19\ -0.00$
LP4	$+10\ -0$	$+0\ -5$	$+0\ -5$	$+2.29\ -0.00$	$+0.00\ -1.13$	$+0.00\ -1.16$
LP5	$+17\ -0$	$+0\ -12$	$+0\ -4$	$+3.70\ -0.00$	$+0.00\ -2.84$	$+0.00\ -0.86$

Table 6: 2x2D Sideband Method: 13 TeV yields and purities : 140.0 fb^{-1} for