

Bin number	Category	$p_T^{\gamma\gamma}$ (GeV)	$M_R(\text{GeV})$	R^2
0	Two-Lepton	None	None	None
1	Muon HighPt	≥ 110	≥ 150	≥ 0.0
2	Muon LowPt	0–110	≥ 150	≥ 0.0
3	Electron HighPt	≥ 110	≥ 150	≥ 0.0
4	Electron LowPt	0–110	≥ 150	0.000–0.055
5	Electron LowPt	0–110	≥ 150	0.055–0.125
6	Electron LowPt	0–110	≥ 150	≥ 0.125
7	H(bb) HighPt	≥ 110	≥ 150	0.000–0.080
8	H(bb) HighPt	≥ 110	≥ 150	≥ 0.080
9	H(bb) LowPt	0–110	≥ 150	0.000–0.080
10	H(bb) LowPt	0–110	≥ 150	≥ 0.080
11	Z(bb) HighPt	≥ 110	≥ 150	0.000–0.035
12	Z(bb) HighPt	≥ 110	≥ 150	0.035–0.090
13	Z(bb) HighPt	≥ 110	≥ 150	≥ 0.090
14	Z(bb) LowPt	0–110	≥ 150	0.000–0.035
15	Z(bb) LowPt	0–110	≥ 150	0.035–0.090
16	Z(bb) LowPt	0–110	≥ 150	≥ 0.090
17	HighPt	≥ 110	≥ 150	≥ 0.260
18	HighPt	≥ 110	150–250	0.170–0.260
19	HighPt	≥ 110	≥ 250	0.170–0.260
20	HighPt	≥ 110	≥ 150	0.000–0.110
21	HighPt	≥ 110	150–350	0.110–0.170
22	HighPt	≥ 110	≥ 350	0.110–0.170
23	HighRes	0–110	≥ 150	≥ 0.325
	LowRes	0–110	≥ 150	≥ 0.325
24	HighRes	0–110	≥ 150	0.285–0.325
	LowRes	0–110	≥ 150	0.285–0.325
25	HighRes	0–110	≥ 150	0.225–0.285
	LowRes	0–110	≥ 150	0.225–0.285
26	HighRes	0–110	≥ 150	0.000–0.185
	LowRes	0–110	≥ 150	0.000–0.185
27	HighRes	0–110	150–200	0.185–0.225
	LowRes	0–110	150–200	0.185–0.225
28	HighRes	0–110	≥ 200	0.185–0.225
	LowRes	0–110	≥ 200	0.185–0.225