

Bin number	Bin name	Jets	b-tagged jets	$p_T^{\gamma\gamma}/m_{\gamma\gamma}$	$m_{T2}$ (GeV)
SP 25	0j, $\geq 0b$ , $p_T^0$	0	No req.	0.0–0.6	No req.
SP 26	0j, $\geq 0b$ , $p_T^{75}$	0	No req.	0.6–1.0	No req.
SP 27	0j, $\geq 0b$ , $p_T^{125}$	0	No req.	$\geq 1.0$	No req.
SP 28	1–3j, 0b, $p_T^0$ , $m_{T2}^0$	1–3	0	0.0–0.6	0–30
SP 29	1–3j, 0b, $p_T^0$ , $m_{T2}^{30}$	1–3	0	0.0–0.6	$\geq 30$
SP 30	1–3j, 0b, $p_T^{75}$ , $m_{T2}^0$	1–3	0	0.6–1.0	0–30
SP 31	1–3j, 0b, $p_T^{75}$ , $m_{T2}^{30}$	1–3	0	0.6–1.0	$\geq 30$
SP 32	1–3j, 0b, $p_T^{125}$ , $m_{T2}^0$	1–3	0	$\geq 1.0$	0–30
SP 33	1–3j, 0b, $p_T^{125}$ , $m_{T2}^{30}$	1–3	0	$\geq 1.0$	$\geq 30$
SP 34	1–3j, 1b, $p_T^0$ , $m_{T2}^0$	1–3	1	0.0–0.6	0–30
SP 35	1–3j, 1b, $p_T^0$ , $m_{T2}^{30}$	1–3	1	0.0–0.6	$\geq 30$
SP 36	1–3j, 1b, $p_T^{75}$ , $m_{T2}^0$	1–3	1	0.6–1.0	0–30
SP 37	1–3j, 1b, $p_T^{75}$ , $m_{T2}^{30}$	1–3	1	0.6–1.0	$\geq 30$
SP 38	1–3j, 1b, $p_T^{125}$ , $m_{T2}^0$	1–3	1	$\geq 1.0$	0–30
SP 39	1–3j, 1b, $p_T^{125}$ , $m_{T2}^{30}$	1–3	1	$\geq 1.0$	$\geq 30$
SP 40	1–3j, $\geq 2b$ , $p_T^0$ , $m_{T2}^0$	1–3	$\geq 2$	0.0–0.6	0–30
SP 41	1–3j, $\geq 2b$ , $p_T^0$ , $m_{T2}^{30}$	1–3	$\geq 2$	0.0–0.6	$\geq 30$
SP 42	1–3j, $\geq 2b$ , $p_T^{75}$ , $m_{T2}^0$	1–3	$\geq 2$	0.6–1.0	0–30
SP 43	1–3j, $\geq 2b$ , $p_T^{75}$ , $m_{T2}^{30}$	1–3	$\geq 2$	0.6–1.0	$\geq 30$
SP 44	1–3j, $\geq 2b$ , $p_T^{125}$ , $m_{T2}^0$	1–3	$\geq 2$	$\geq 1.0$	0–30
SP 45	1–3j, $\geq 2b$ , $p_T^{125}$ , $m_{T2}^{30}$	1–3	$\geq 2$	$\geq 1.0$	$\geq 30$
SP 46	$\geq 4j$ , 0b, $p_T^0$ , $m_{T2}^0$	$\geq 4$	0	0.0–0.6	0–30
SP 47	$\geq 4j$ , 0b, $p_T^0$ , $m_{T2}^{30}$	$\geq 4$	0	0.0–0.6	$\geq 30$
SP 48	$\geq 4j$ , 0b, $p_T^{75}$ , $m_{T2}^0$	$\geq 4$	0	0.6–1.0	0–30
SP 49	$\geq 4j$ , 0b, $p_T^{75}$ , $m_{T2}^{30}$	$\geq 4$	0	0.6–1.0	$\geq 30$
SP 50	$\geq 4j$ , 0b, $p_T^{125}$ , $m_{T2}^0$	$\geq 4$	0	$\geq 1.0$	0–30
SP 51	$\geq 4j$ , 0b, $p_T^{125}$ , $m_{T2}^{30}$	$\geq 4$	0	$\geq 1.0$	$\geq 30$
SP 52	$\geq 4j$ , 1b, $p_T^0$ , $m_{T2}^0$	$\geq 4$	1	0.0–0.6	0–30
SP 53	$\geq 4j$ , 1b, $p_T^0$ , $m_{T2}^{30}$	$\geq 4$	1	0.0–0.6	$\geq 30$
SP 54	$\geq 4j$ , 1b, $p_T^{75}$ , $m_{T2}^0$	$\geq 4$	1	0.6–1.0	0–30
SP 55	$\geq 4j$ , 1b, $p_T^{75}$ , $m_{T2}^{30}$	$\geq 4$	1	0.6–1.0	$\geq 30$
SP 56	$\geq 4j$ , 1b, $p_T^{125}$ , $m_{T2}^0$	$\geq 4$	1	$\geq 1.0$	0–30
SP 57	$\geq 4j$ , 1b, $p_T^{125}$ , $m_{T2}^{30}$	$\geq 4$	1	$\geq 1.0$	$\geq 30$
SP 58	$\geq 4j$ , $\geq 2b$ , $p_T^0$ , $m_{T2}^0$	$\geq 4$	$\geq 2$	0.0–0.6	0–30
SP 59	$\geq 4j$ , $\geq 2b$ , $p_T^0$ , $m_{T2}^{30}$	$\geq 4$	$\geq 2$	0.0–0.6	$\geq 30$
SP 60	$\geq 4j$ , $\geq 2b$ , $p_T^{75}$ , $m_{T2}^0$	$\geq 4$	$\geq 2$	0.6–1.0	0–30
SP 61	$\geq 4j$ , $\geq 2b$ , $p_T^{75}$ , $m_{T2}^{30}$	$\geq 4$	$\geq 2$	0.6–1.0	$\geq 30$
SP 62	$\geq 4j$ , $\geq 2b$ , $p_T^{125}$ , $m_{T2}^0$	$\geq 4$	$\geq 2$	$\geq 1.0$	0–30
SP 63	$\geq 4j$ , $\geq 2b$ , $p_T^{125}$ , $m_{T2}^{30}$	$\geq 4$	$\geq 2$	$\geq 1.0$	$\geq 30$