Bin number	Bin name	Category	$p_T^{\gamma\gamma}/m_{\gamma\gamma}$	m_{T2} (GeV)
SP 0	$Z_{\ell\ell}$	Two-Lepton	No req.	No req.
SP 1	$1\mu\ p_T^0,\ m_{T2}^0$	Muon	0.0–0.6	0–30
SP 2	$1\mu\ p_T^0,\ m_{T2}^{30}$	Muon	0.0–0.6	$\geq$30
SP 3	$1\mu\ p_T^{75},\ m_{T2}^0$	Muon	0.6–1.0	0–30
SP 4	$1\mu\ p_T^{75},\ m_{T2}^{30}$	Muon	0.6–1.0	$\geq$30
SP 5	$1\mu\ p_T^{125},\ m_{T2}^0$	Muon	$\geq$1.0	0–30
SP 6	$1\mu\ p_T^{125},\ m_{T2}^{30}$	Muon	$\geq$1.0	$\geq$30
SP 7	$1e\ p_T^0,\ m_{T2}^0$	Electron	0.0–0.6	0–30
SP 8	$1e\ p_T^0,\ m_{T2}^{30}$	Electron	0.0–0.6	$\geq$30
SP 9	$1e\ p_T^{75},\ m_{T2}^0$	Electron	0.6–1.0	0–30
SP 10	$1e\ p_T^{75},\ m_{T2}^{30}$	Electron	0.6–1.0	$\geq$30
SP 11	$1e\ p_T^{125},\ m_{T2}^0$	Electron	$\geq$1.0	0–30
SP 12	$1e\ p_T^{125},\ m_{T2}^{30}$	Electron	$\geq$1.0	$\geq$30
SP 13	$Zb\bar{b}\ p_T^0,\ m_{T2}^0$	$Zb\bar{b}$	0.0–0.6	0–30
SP 14	$Zb\bar{b}\ p_T^{75},\ m_{T2}^0$	$Zb\bar{b}$	0.6–1.0	0–30
SP 15	$Zb\bar{b}\ p_T^{125},\ m_{T2}^0$	$Zb\bar{b}$	$\geq$1.0	0–30
SP 16	$Zb\bar{b}\ p_T^0,\ m_{T2}^{30}$	$Zb\bar{b}$	0.0–0.6	$\geq$30
SP 17	$Zb\bar{b}\ p_T^{75},\ m_{T2}^{30}$	$Zb\bar{b}$	0.6–1.0	$\geq$30
SP 18	$Zb\bar{b}\ p_T^{125},\ m_{T2}^{30}$	$Zb\bar{b}$	$\geq$1.0	$\geq$30
SP 19	$Hb\bar{b}\ p_T^0,\ m_{T2}^0$	$Hb\bar{b}$	0.0–0.6	0–30
SP 20	$Hb\bar{b}\ p_T^{75},\ m_{T2}^0$	$Hb\bar{b}$	0.6–1.0	0–30
SP 21	$Hb\bar{b}\ p_T^{125},\ m_{T2}^0$	$Hb\bar{b}$	$\geq$1.0	0–30
SP 22	$Hb\bar{b}\ p_T^0,\ m_{T2}^{30}$	$Hb\bar{b}$	0.0–0.6	$\geq$30
SP 23	$Hb\bar{b}\ p_T^{75},\ m_{T2}^{30}$	$Hb\bar{b}$	0.6–1.0	$\geq$30
SP 24	$Hb\bar{b}\ p_T^{125},\ m_{T2}^{30}$	$Hb\bar{b}$	$\geq$1.0	$\geq$30