

Benchmark models		Most sensitive	$\mathcal{A} \varepsilon$	Systematic uncertainties [%]				σ_{theory}	μ (95% CL)	
$(m_{\text{SUSY}}, m_{\text{LSP}})$ [GeV]		n_{jet} categories	[%]	MC stat.	ISR	JEC	SF _{b-tag}	[fb]	Exp.	Obs.
T1qqqq	(1300, 100)	$\geq 5, 4, 3, 2$	21.2	7–30	~ 2	4–21	2–14	46.1	0.79	0.76
	(900, 700)	$\geq 5, \geq 5a, 4, 4a$	12.8	10–33	1–13	1–26	1–10	677	0.58	0.44
T2qq_8fold	(1050, 100)	$\geq 5, 3, 4, 2$	40.3	7–33	1–4	3–16	1–11	35.2	0.90	0.63
	(650, 550)	$\geq 5, 4, \geq 5a, 4a$	6.3	10–28	1–16	2–29	1–6	864	0.93	0.80
T2qq_1fold	(600, 50)	$\geq 5, 3, 2, 4$	30.2	5–33	1–5	1–30	1–8	177	0.78	0.84
	(400, 250)	$\geq 5, 4, \geq 5a, 3$	7.1	8–30	1–8	3–25	1–7	1849	0.73	0.71
T1bbbb	(1500, 100)	$\geq 5, 4, 3, 2$	22.7	5–17	1–2	1–12	2–22	14.2	0.81	0.79
	(1000, 800)	$\geq 5, 4, \geq 5a, 4a$	11.4	8–31	1–17	1–40	1–14	325	0.33	0.32
T1tttt	(1300, 100)	$\geq 5, \geq 5a, 4, 3$	5.3	7–16	1–2	2–7	2–12	46.1	1.00	1.89
	(800, 400)	$\geq 5, \geq 5a, 4, 4a$	1.5	7–27	1–2	3–45	1–8	1490	0.56	1.03
T1ttbb	(1300, 100)	$\geq 5, 4, 3, \geq 5a$	8.5	9–32	1–2	3–16	2–19	46.1	0.60	0.91
	(1000, 700)	$\geq 5, \geq 5a, 4, 3$	7.7	9–30	1–9	3–65	1–14	325	0.51	0.70
T5tttt_DM175	(800, 100)	$\geq 5, \geq 5a, 3, 4$	0.5	12–20	2–4	3–5	1–6	1490	0.69	1.19
	(700, 400)	$\geq 5, \geq 5a, 4, 4a$	0.5	20–29	2–10	8–10	1–2	3530	1.00	1.35
T5ttcc	(1200, 200)	$\geq 5, 4, 3, \geq 5a$	11.0	6–25	5–25	3–21	1–24	85.6	0.58	0.87
	(750, 600)	$\geq 5, \geq 5a, 4, 4a$	2.2	9–23	1–4	5–21	1–3	2270	0.89	0.72
T2bb	(800, 50)	2, 3, 4, ≥ 5	34.9	5–31	2–6	1–21	1–23	28.3	0.96	1.06
	(375, 300)	$\geq 5, 4, 3a, 3$	3.2	8–33	1–10	3–25	1–7	2610	0.67	0.87
T2tb	(600, 50)	$\geq 5, 4, 3, 2$	13.4	3–28	1–3	1–22	1–17	175	0.70	1.35
	(350, 225)	$\geq 5, 4, 3, 3a$	2.3	9–33	1–4	2–41	1–8	3790	0.79	0.88
T2tt	(700, 50)	$\geq 5, 4, 3, \geq 5a$	18.2	8–33	1–4	2–22	1–21	67.0	0.90	1.19
	(350, 100)	$\geq 5, \geq 5a, 4a, 4$	3.4	7–31	1–1	1–28	1–7	3790	0.44	0.50
T2cc	(325, 305)	$\geq 5, 4, 3, 2$	1.9	3–32	1–27	1–27	1–12	5600	0.92	0.68
T2tt_degen	(300, 290)	3, 4, $\geq 5, 2$	2.0	2–27	1–27	1–25	1–12	8520	0.56	0.41
T2tt_mixed	(300, 250)	$\geq 5, 4, \geq 5a, 4a$	1.0	3–33	1–27	1–33	1–13	8520	0.99	0.58