

Observed 95% CL upper limits on $\sigma(\text{gg} \rightarrow \text{S}) \times \mathcal{B}(\text{S} \rightarrow \text{HH} \rightarrow \text{bb}\tau\tau)$ [fb]

m_{S} [GeV]	Per category			Per decay channel			Combined
	res. 1b1j	res. 2b	boosted	$\text{bb}\tau\mu\tau_{\text{h}}$	$\text{bb}\tau\text{e}\tau_{\text{h}}$	$\text{bb}\tau_{\text{h}}\tau_{\text{h}}$	
250	633.1	179.5	-	224.7	510.3	785.4	228.6
270	1031.3	500.7	-	850.5	858.2	625.9	541.4
280	553.4	589.8	-	679.7	755.8	601.6	440.4
300	478.3	418.5	12157.5	613.1	620.1	450.0	324.8
350	715.1	134.8	6906.8	226.0	1184.6	278.5	164.3
400	157.3	137.4	1530.9	243.2	296.5	98.2	86.0
450	64.8	50.1	469.4	120.1	170.4	35.5	31.5
500	105.2	23.5	322.7	48.2	106.7	33.3	22.1
550	155.0	22.0	140.2	50.6	81.4	51.2	30.8
600	110.4	26.9	76.0	42.0	51.6	50.1	31.4
650	60.2	25.0	32.7	28.7	31.9	35.1	20.4
750	38.5	27.2	10.4	12.9	21.2	22.6	9.5
900	38.5	18.8	6.2	11.6	13.4	9.5	5.2