

Selection criteria	Efficiency for				Observed events
	signal with m_χ (TeV)			$t\bar{t}$	
	1.3	2.0	3.0		
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Fiducial acceptance					
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At least 2 jets with $p_T > 40$ GeV, $ \eta < 2.5$, and $ \Delta\eta_{jj} < 1.3$	63%	61%	59%	29%	
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Analysis selections					
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$m_{jj} > 1$ TeV	59%	59%	58%	3.5%	2 677 308
2 jets with $110 < m_j^P < 135$ GeV	12%	12%	8.5%	0.29%	9 977
2 b-tagged jets and ≥ 1 double b tagged jets	9.0%	8.5%	4.5%	0.05%	217
2 jets with $\tau_{21} < 0.75$ and ≥ 1 jet with $\tau_{21} < 0.5$	8.6%	8.1%	4.0%	0.04%	162
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Categorization					
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HPHP	6.3%	5.5%	2.4%	0.03%	63
HPLP	1.1%	1.2%	0.9%	0.007%	48
LPHP	1.2%	1.4%	0.7%	0.004%	51