

Cut level	CMS data	SM multijet	$c\tau_{\pi_{\text{dark}}} = 25 \text{ GeV}$	$c\tau_{\pi_{\text{dark}}} = 45 \text{ GeV}$
All events	–	1.0	1.0	1.0
Pass $H_T$ trigger	137418086	0.148	0.997	0.997
Vertex quality	137219515	0.148	0.995	0.996
$p_T^{\text{miss}}$ event quality filter	135608585	0.147	0.977	0.966
4 jets with $p_T > 100 \text{ GeV}$	25385580	$2.48 \times 10^{-2}$	0.901	0.884
Pass additional $H_T$ requirement	5285377	$4.75 \times 10^{-3}$	0.895	0.876
4 jets passing jet-track association	5001845	$4.48 \times 10^{-3}$	0.836	0.803
Pass additional jet $p_T$ selection	4995664	$4.48 \times 10^{-3}$	0.836	0.803
$\geq 1$ EJ-tagged jet	8790	$7.28 \times 10^{-6}$	0.728	0.712
$\geq 2$ EJ-tagged jet	10	$7.87 \times 10^{-9}$	0.395	0.420