

1.1 2jt

- Process: $\tilde{q}\tilde{q} : \tilde{q} \rightarrow q\tilde{\chi}_1^0$.
- Parameters: .
- Number of Atom MC events: $1 \cdot 10^4$.
- Event Generator: MadGraph5 + Pythia6.

comment

#	cut name	ϵ_{Exp} (%)	ϵ_{Atom} (%)	$\frac{\text{Atom}}{\text{Exp}}$	$\frac{(\text{Exp}-\text{Atom})}{\text{Error}}$	#/?	R_{Exp} (%)	R_{Atom} (%)	$\frac{\text{Atom}}{\text{Exp}}$	$\frac{(\text{Exp}-\text{Atom})}{\text{Error}}$	$\partial \log \epsilon_{\text{Atom}} / \partial \log x_{\text{cut}}$
1	MET>160GeV, $p_T^{j_{1,2}} > (130, 60)\text{GeV}$	89.6 0.43	$89.4_{-0.96}^{+0.98}$	1.0	-0.19	0	89.6 0.43	$89.4_{-0.96}^{+0.98}$	1.0	-0.19	$0.18_{0.23}^{+0.23}$
2	$\Delta\phi > 0.4$	81.0 ± 0.56	$81.6_{-1.2}^{+1.2}$	1.01	0.45	1	90.4 ± 0.62	$91.28_{-1.67}^{+1.66}$	1.01	0.49	$0.0_{0.0}^{+0.0}$
3	MET/ $\sqrt{H_T} > 15$	56.0 ± 0.7	$52.0_{-1.6}^{+1.6}$	0.93	-2.29	2	69.1 ± 0.87	$63.73_{-2.17}^{+2.17}$	0.92	-2.3	$0.93_{0.31}^{+0.32}$
4	$m_{\text{eff}} > 1.6\text{TeV}$	31.6 ± 0.66	$33.8_{-1.5}^{+1.5}$	1.07	1.34	3	56.4 ± 1.17	$65.0_{-3.51}^{+3.51}$	1.15	2.32	$2.4_{0.4}^{+0.4}$