0.1 $\tilde{\chi}_1^{\pm}(140) \to W^{\pm}\tilde{\chi}_1^0(20)$ (ATLAS_2014_I1286761 (1403.5294))

- Process: $\tilde{\chi}_1^+\tilde{\chi}_1^- : \tilde{\chi}_1^{\pm} \to W^{\pm}\tilde{\chi}_1^0$.
- Mass: $m_{\tilde{\chi}_1^{\pm}} = 140$ GeV, $m_{\tilde{\chi}_1^0} = 20$ GeV.
- The number of events: $5 \cdot 10^4$.
- Event Generator: `Herwig++ 2.5.2`.

#	cut name	ϵ_{Exp}	ϵ_{Atom}	$\frac{\text{Atom}}{\text{Exp}}$	$\frac{(\text{Exp}-\text{Atom})}{\text{Error}}$	#/?	R_{Exp}	R_{Atom}	$\frac{\text{Atom}}{\text{Exp}}$	$\frac{(\text{Exp}-\text{Atom})}{\text{Error}}$
0	= 2 OSlep $p_T > 35, 20$: SF	100.0	100.0							
1	Jet Veto: SF	46.68 ± 1.82	59.6 ± 2.9	1.28	3.77	0	0.47 ± 0.02	0.6 ± 0.03	1.28	3.77
2	Z Veto: SF	39.25 ± 1.67	51.35 ± 2.69	1.31	3.82	1	0.84 ± 0.04	0.86 ± 0.05	1.02	0.36
3	WWb: $m_{T2} > 90$: SF	3.15 ± 0.47	3.56 ± 0.71	1.13	0.48	2	0.08 ± 0.01	0.07 ± 0.01	0.86	−0.59
4	WWb: $m_{T2} < 170$: SF	2.72 ± 0.44	3.41 ± 0.7	1.25	0.84	3	0.87 ± 0.14	0.96 ± 0.2	1.11	0.39

Table 1: The cut-flow table for the same flavour channel.

#	cut name	ϵ_{Exp}	ϵ_{Atom}	$\frac{\text{Atom}}{\text{Exp}}$	$\frac{(\text{Exp}-\text{Atom})}{\text{Error}}$	#/?	R_{Exp}	R_{Atom}	$\frac{\text{Atom}}{\text{Exp}}$	$\frac{(\text{Exp}-\text{Atom})}{\text{Error}}$
0	= 2 OSlep $p_T > 35, 20$: DF	100.0	100.0							
1	Jet Veto: DF	46.73 ± 1.76	58.96 ± 2.79	1.26	3.71	0	0.47 ± 0.02	0.59 ± 0.03	1.26	3.71
2	Z Veto: DF	46.73 ± 1.76	58.96 ± 2.79	1.26	3.71	1	1.0 ± 0.04	1.0 ± 0.05	1.0	0.0
3	WWb: $m_{T2} > 90$: DF	3.15 ± 0.46	2.79 ± 0.61	0.88	−0.48	2	0.07 ± 0.01	0.05 ± 0.01	0.7	−1.42
4	WWb: $m_{\ell\ell} < 170$: DF	2.84 ± 0.43	2.66 ± 0.59	0.94	−0.25	3	0.9 ± 0.14	0.95 ± 0.21	1.06	0.21

Table 2: The cut-flow table for the different flavour channel.