$\tilde{\chi}_1^{\pm}(200) \to W^{\pm}\tilde{\chi}_1^0(0)$ (**ATLAS_2014_I1286761 (1403.5294)**)

- Process: $\tilde{\chi}_1^+\tilde{\chi}_1^- : \tilde{\chi}_1^{\pm} \to W^{\pm}\tilde{\chi}_1^0$.
- Mass: $m_{\tilde{\chi}_1^{\pm}} = 200$ GeV, $m_{\tilde{\chi}_1^0} = 0$ 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 ± 0.32	100.0 ± 3.51			-1	±	±		
1	Jet Veto: SF	43.81 ± 0.21	52.82 ± 2.56	1.21	3.51	0	0.44 ± 0.0	0.53 ± 0.03	1.21	3.51
2	Z Veto: SF	38.42 ± 0.2	43.54 ± 2.33	1.13	2.19	1	0.88 ± 0.0	0.82 ± 0.04	0.94	-1.19
3	WWc: $m_{T2} > 100$: SF	5.96 ± 0.08	12.67 ± 1.26	**2.13**	5.32	2	0.16 ± 0.0	0.29 ± 0.03	**1.88**	4.68

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 ± 0.32	100.0 ± 3.46			-1	±	±		
1	Jet Veto: DF	43.32 ± 0.21	55.0 ± 2.58	1.27	4.52	0	0.43 ± 0.0	0.55 ± 0.03	1.27	4.52
2	Z Veto: DF	43.32 ± 0.21	55.0 ± 2.58	1.27	4.52	1	1.0 ± 0.0	1.0 ± 0.05	1.0	0.0

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