Zjets SR: S1 (ATLAS_2014_I1286761 (1403.5294))

- Process: $\tilde{\chi}_1^{\pm}\tilde{\chi}_2^0 \to (W^{\pm}\tilde{\chi}_1^0)(Z\tilde{\chi}_1^0)$.
- Mass: $m_{\tilde{\chi}_1^{\pm}} = m_{\tilde{\chi}_2^0} = 250$ 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	100.0							
1	Zjets: > 1 light jets	76.97 ± 0.47	65.77 ± 0.54	0.85	-15.65	0	0.77 ± 0.0	0.66 ± 0.01	0.85	-15.65
2	Zjets: No b- and F-jets	57.9 ± 0.41	55.0 ± 0.51	0.95	-4.46	1	0.75 ± 0.01	0.84 ± 0.01	1.11	9.01
3	Zjets: Z window	55.66 ± 0.4	50.6 ± 0.49	0.91	-8.01	2	0.96 ± 0.01	0.92 ± 0.01	0.96	-3.67
4	Zjets: $p_T^{\ell\ell} > 80$	42.18 ± 0.35	37.7 ± 0.43	0.89	-8.05	3	0.76 ± 0.01	0.74 ± 0.01	0.98	-1.2
5	Zjets: METrel > 80	20.27 ± 0.24	19.04 ± 0.32	0.94	-3.07	4	0.48 ± 0.01	0.51 ± 0.01	1.05	2.39
6	Zjets: $0.3 < \Delta R(\ell\ell) < 1.5$	14.75 ± 0.21	13.24 ± 0.27	0.9	-4.47	5	0.73 ± 0.01	0.7 ± 0.01	0.96	-1.87
7	Zjets: $50 < m_{jj} < 100$	9.46 ± 0.16	8.56 ± 0.22	0.9	-3.29	6	0.64 ± 0.01	0.65 ± 0.02	1.01	0.27
8	Zjets: 2 light jets $p_T > 45$	4.77 ± 0.12	4.0 ± 0.15	0.84	-4.03	7	0.5 ± 0.01	0.47 ± 0.02	0.93	-1.71

Table 1: The cut-flow table for the S1 signal region.