SR Zb: (ATLAS_CONF_2013_035)

- Process: $pp \to \tilde{\chi}_1^{\pm}\tilde{\chi}_2^0 \to (W^{\pm}\chi_1^0)(Z\tilde{\chi}_1^0)$.
- Mass: $m_{\tilde{\chi}_1^{\pm}} = m_{\tilde{\chi}_2^0} = 150$ GeV, $m_{\tilde{\chi}_1^0} = 0$ GeV.
- The number of events: $3 \cdot 10^4$.
- 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	Lepton multiplicity	100.0	100.0							
1	SFOS requirement	99.31 ± 8.59	99.01 ± 6.98	1.0	-0.03	0	0.99 ± 0.09	0.99 ± 0.07	1.0	-0.03
2	b-jet veto	92.38 ± 8.28	92.57 ± 6.75	1.0	0.02	1	0.93 ± 0.08	0.93 ± 0.07	1.01	0.04
3	Z requirement	87.41 ± 8.06	84.65 ± 6.46	0.97	-0.27	2	0.95 ± 0.09	0.91 ± 0.07	0.97	-0.28
4	SRZb: 75 < MET < 120	26.06 ± 4.4	23.76 ± 3.43	0.91	-0.41	3	0.3 ± 0.05	0.28 ± 0.04	0.94	-0.27
5	SRZb: $m_T > 110$	10.7 ± 2.82	9.41 ± 2.16	0.88	-0.36	4	0.41 ± 0.11	0.4 ± 0.09	0.96	-0.1

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