SR noZa: (ATLAS_CONF_2013_035)

- Process: $pp \to \tilde{\chi}_1^{\pm}\tilde{\chi}_2^0 \to (\ell^{\pm}\nu\tilde{\chi}_1^0)(\ell^+\ell^-\tilde{\chi}_1^0)$ via an on-shell $\tilde{\ell}_L$.
- Mass: $m_{\tilde{\chi}_1^{\pm}} = m_{\tilde{\chi}_2^0} = 192.5$ GeV, $m_{\tilde{\ell}_L} = 175$ GeV, $m_{\tilde{\chi}_1^0} = 157.5$ GeV.
- The number of events: 10^3.
- 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 ± 3.09	100.0 ± 15.1			-1	±	±		
1	SFOS requirement	99.85 ± 3.08	90.48 ± 14.4	0.91	-0.64	0	1.0 ± 0.03	0.9 ± 0.14	0.91	-0.64
2	b-jet veto	91.42 ± 2.95	85.71 ± 14.03	0.94	-0.4	1	0.92 ± 0.03	0.95 ± 0.16	1.03	0.2
3	Z veto	88.68 ± 2.91	85.71 ± 14.03	0.97	-0.21	2	0.97 ± 0.03	1.0 ± 0.16	1.03	0.18
4	SRnoZa: MET > 50	30.01 ± 1.69	28.57 ± 8.2	0.95	-0.17	3	0.34 ± 0.02	0.33 ± 0.1	0.98	-0.05
5	SRnoZa: mSFOS < 60	26.29 ± 1.58	21.43 ± 7.11	0.82	-0.67	4	0.88 ± 0.05	0.75 ± 0.25	0.86	-0.5
6	SRnoZa: SRnoZc veto	26.29 ± 1.58	21.43 ± 7.11	0.82	-0.67	5	1.0 ± 0.06	1.0 ± 0.33	1.0	0.0

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