$\tilde{\mu}^{\pm}(250) \to \mu^{\pm}\tilde{\chi}_1^0(10)$ (**ATLAS_CONF_2013_049**)

- Process: $\tilde{\mu}^+\tilde{\mu}^- : \tilde{\mu}^{\pm} \to \mu^{\pm}\tilde{\chi}_1^0$.
- Mass: $m_{\tilde{\mu}} = 250$ GeV, $m_{\tilde{\chi}_1^0} = 10$ GeV.
- The number of events: $2 \cdot 10^3$.
- 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	$\mu\mu$: Trigger	100.0	100.0							
1	$\mu\mu$: Z veto	98.0 ± 1.75	96.78 ± 2.81	0.99	−0.37	0	0.98 ± 0.02	0.97 ± 0.03	0.99	−0.37
2	$\mu\mu$: Jet veto	40.0 ± 1.12	47.42 ± 2.66	1.19	2.57	1	0.41 ± 0.01	0.49 ± 0.03	1.2	2.75
3	$\mu\mu$: MET^{rel}	34.0 ± 1.03	41.42 ± 2.56	1.22	2.69	2	0.85 ± 0.03	0.87 ± 0.05	1.03	0.39
4	$\mu\mu$: $m_{T2} > 90$	25.0 ± 0.88	29.18 ± 2.26	1.17	1.73	3	0.74 ± 0.03	0.7 ± 0.05	0.96	−0.51
5	$\mu\mu$: $m_{T2} > 110$	22.4 ± 0.84	25.11 ± 2.13	1.12	1.18	4	0.9 ± 0.03	0.86 ± 0.07	0.96	−0.45

Table 1: The cut-flow table for the $\mu\mu$ channel.