$\tilde{\mu}^{\pm}(250) \to \mu^{\pm}\tilde{\chi}_1^0(10)$ (**ATLAS_2014_I1286761 (1403.5294)**)

- Process: $\tilde{\mu}^+\tilde{\mu}^- : \tilde{e}^{\pm} \to \mu^{\pm}\tilde{\chi}_1^0$.
- 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	= 2 OSlep $p_T > 35, 20$: SF	100.0 ± 1.41	100.0 ± 1.68			-1	±	±		
1	Jet veto: SF	37.89 ± 0.87	50.2 ± 1.63	**1.32**	6.65	0	0.38 ± 0.01	0.5 ± 0.02	**1.32**	6.65
2	Z veto: SF	36.52 ± 0.85	48.63 ± 1.62	**1.33**	6.61	1	0.96 ± 0.02	0.97 ± 0.03	1.01	0.12
3	$m_{T2} > 90$: SF	22.85 ± 0.68	29.52 ± 1.37	1.29	4.37	2	0.63 ± 0.02	0.61 ± 0.03	0.97	-0.55
4	$m_{T2} > 20$: SF	17.77 ± 0.6	23.26 ± 1.25	**1.31**	3.97	3	0.78 ± 0.03	0.79 ± 0.04	1.01	0.2
5	$m_{T2} > 150$: SF	13.67 ± 0.52	16.91 ± 1.09	1.24	2.69	4	0.77 ± 0.03	0.73 ± 0.05	0.95	-0.76

Table 1: The cut-flow table for the same flavour channel.