

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

- Process: $\tilde{e}^+ \tilde{e}^- : \tilde{e}^\pm \rightarrow e^\pm \tilde{\chi}_1^0$.
- Mass: $m_{\tilde{e}} = 250$ 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 | <i>ee</i> : Trigger | 100.0 | 0.0 | | | | | | | |
| 1 | <i>ee</i> : <i>Z</i> veto | 98.18 ± 1.4 | 0.0 ± 0.0 | 0.0 | -70.06 | 0 | 0.98 ± 0.01 | 0.0 ± 0.0 | 0.0 | -70.06 |
| 2 | <i>ee</i> : Jet veto | 36.36 ± 0.85 | 0.0 ± 0.0 | 0.0 | -42.64 | 1 | 0.37 ± 0.01 | 0.0 ± 0.0 | 0.0 | -42.64 |
| 3 | <i>ee</i> : MET^{rel} | 30.91 ± 0.79 | 0.0 ± 0.0 | 0.0 | -39.31 | 2 | 0.85 ± 0.02 | 0.0 ± 0.0 | 0.0 | -39.31 |
| 4 | <i>ee</i> : $m_{T2} > 90$ | 22.18 ± 0.67 | 0.0 ± 0.0 | 0.0 | -33.3 | 3 | 0.72 ± 0.02 | 0.0 ± 0.0 | 0.0 | -33.3 |
| 5 | <i>ee</i> : $m_{T2} > 110$ | 19.09 ± 0.62 | 0.0 ± 0.0 | 0.0 | -30.9 | 4 | 0.86 ± 0.03 | 0.0 ± 0.0 | 0.0 | -30.9 |

Table 1: The cut-flow table for the *ee* channel.