

## atlas\_1506\_08616 CutFlow

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ATLAS  
 atlas\_1506\_08616  
 ATLAS-SUSY-2014-07  
 various stops  
 Energy: 8 TeV  
 Luminosity: 20.1 fb<sup>-1</sup>  
 Montecarlo: Herwig++

Signal region	SRInA	
Process	$\tilde{t}_1\tilde{t}_1^* + \tilde{b}_1\tilde{b}_1^*$	
Point	$m(\tilde{q}_{L3}) = 400$ GeV, $m(\mu) = 100$ GeV, see SLHA file	
Source	ATLAS	CheckMATE
Generated events	81000.0	81000.0
Total	81000 ± 0	81000 ± 0
Trigger	19703 ± 120	16838
Cleaning cuts*	19455 ± 120	-
1 signal lepton pt>25	12134 ± 100	13505
Additional lepton veto	12134 ± 100	-
EtMiss>100 GeV	8642 ± 88	9458
2 b-jets pT>25 GeV	2813 ± 52	2563
EtMiss>200 GeV	983.7 ± 31	858
MT>140 GeV	716.9 ± 27	653
m <sub>eff</sub> >300 GeV	714.9 ± 27	652
EtMiss significance > 8	713.1 ± 27	652
amT2>180 GeV	350.4 ± 19	418
mlb minimum	339.0 ± 18	399
dphi minimum	324.6 ± 18	381

Table 1: Cutflow validation for atlas\_1506\_08616. Shown are number of Monte-Carlo generated events passing each cut for the experimental collaboration. The CheckMATE result is normalised to the same value. Final error is Monte-Carlo events only.