

Table 1: Cut flow for the photon analysis with efficiencies for three benchmark signal points. Here $M_{\tilde{q}}$ and $M_{\tilde{\chi}}$ are the squark and neutralino masses, respectively.

$M_{\tilde{q}}, M_{\tilde{\chi}}$ (GeV)	1000, 150	1000, 500	1000, 950
Selection	Efficiency (%)		
2 isolated photons	3.5 ± 0.1	46.7 ± 0.4	46.9 ± 0.4
Veto leptons	3.5 ± 0.1	46.4 ± 0.4	46.6 ± 0.4
$S_T > 1200$ GeV	3.2 ± 0.1	46.1 ± 0.4	46.1 ± 0.4
$N_{\text{jets}} \geq 4$	3.1 ± 0.1	44.4 ± 0.4	34.7 ± 0.3
Search regions			
$N_{\text{jets}} = 4$	0.7 ± 0.1	8.5 ± 0.2	14.5 ± 0.2
$N_{\text{jets}} \geq 5$	2.3 ± 0.1	35.8 ± 0.3	20.2 ± 0.3

Table 2: Cut flow for the lepton analysis with efficiencies for the benchmark signal point with squark mass $M_{\tilde{q}} = 600$ GeV. Note that the expected efficiency for $W^\pm W^\pm \rightarrow \mu^\pm e^\pm$ is approximately 2%.

Selection	Efficiency (%)
$N_{\text{jets}} \geq 4, S_T > 300$ GeV	99.07 ± 0.02
1 electron	15.04 ± 0.05
1 electron, 1 muon	1.60 ± 0.02
1 electron (isolated), 1 muon	1.30 ± 0.02
1 electron (isolated), 1 muon (isolated)	0.93 ± 0.01
Veto additional leptons	0.93 ± 0.01
0 b-tagged jets	0.89 ± 0.01

Table 3: Full selection efficiencies (%) for all signal points in each search region. The only difference with respect to Table 2 is the S_T threshold applied in the second column.

$M_{\tilde{q}}$ (GeV)	S_T^{min} (GeV)	$N_{\text{jets}} = 4$	$N_{\text{jets}} = 5$	$N_{\text{jets}} = 6$	$N_{\text{jets}} \geq 7$
300	300	0.13 ± 0.01	0.10 ± 0.01	0.05 ± 0.01	0.02 ± 0.01
400	700	0.05 ± 0.01	0.07 ± 0.01	0.05 ± 0.01	0.04 ± 0.01
500	700	0.14 ± 0.01	0.20 ± 0.01	0.16 ± 0.01	0.12 ± 0.01
600	1200	0.05 ± 0.01	0.08 ± 0.01	0.07 ± 0.01	0.08 ± 0.01
700	1200	0.11 ± 0.01	0.17 ± 0.01	0.15 ± 0.01	0.14 ± 0.01
800	1200	0.14 ± 0.01	0.25 ± 0.02	0.22 ± 0.01	0.18 ± 0.01
900	1200	0.19 ± 0.01	0.30 ± 0.02	0.26 ± 0.02	0.20 ± 0.01