

Signal efficiencies

calculated using the average of two signal samples, $M_{\text{stop}}, M_{\text{LSP}}$ 250, 0 and 350, 0

cuts applied	electrons	muons
met50_nj4 (defined as preselection)	100.00%	100.00%
dpT_met50_nj4	98.56%	99.99%
eoverpin_iso_dpT_met50_nj4	95.48%	97.61%
eoverpin_iso_dPhiMETlep_dpT_met50_nj4	78.22%	79.74%
barrel_eoverpin_iso_dPhiMETlep_dpT_met50_nj4	72.59%	71.47%

cut definitions:

MET > 50 GeV

dpT: $|PF_{\text{lep}} T - GS_{\text{lep}} T| < 10$ GeV

iso < 5 GeV

eoverpin < 4 GeV (electrons only)

dPhi(MET,lep) < 2.5

Signal efficiencies, $M_T > 120$ GeV

calculated using the average of two signal samples, $M_{\text{stop}}, M_{\text{LSP}}$ 250, 0 and 350, 0

cuts applied	electrons	muons
met50_nj4 (defined as preselection)	100%	100%
dpT_met50_nj4	97.91%	99.98%
eoverpin_iso_dpT_met50_nj4	92.72%	95.91%
eoverpin_iso_dPhiMETlep_dpT_met50_nj4	55.59%	57.84%
barrel_eoverpin_iso_dPhiMETlep_dpT_met50_nj4	52.3%	53.51%

cut definitions:

$MET > 50$ GeV

dpT: $|PFleppT - GSleppT| < 10$ GeV

iso < 5 GeV

eoverpin < 4 GeV (electrons only)

dPhi(MET,lep) < 2.5

Signal efficiencies, $M_T > 150$ GeV

calculated using the average of two signal samples, $M_{\text{stop}}, M_{\text{LSP}}$ 250, 0 and 350, 0

cuts applied	electrons	muons
met50_nj4 (defined as preselection)	100%	100%
dpT_met50_nj4	97.34%	99.97%
eoverpin_iso_dpT_met50_nj4	91.45%	95%
eoverpin_iso_dPhiMETlep_dpT_met50_nj4	46.76%	48.97%
barrel_eoverpin_iso_dPhiMETlep_dpT_met50_nj4	45.19%	46.2%

cut definitions:

$MET > 50$ GeV

$dpT: |PFleppT - GSleppT| < 10$ GeV

$iso < 5$ GeV

$eoverpin < 4$ GeV (electrons only)

$dPhi(MET, lep) < 2.5$

MET > 150 GeV

calculated using the average of two signal samples, $M_{\text{stop}}, M_{\text{LSP}}$ 250, 0 and 350, 0

cuts applied	electrons	muons
met150_nj4 (defined as preselection)	100%	100%
dpT_met150_nj4	97.99%	99.97%
eoverpin_iso_dpT_met150_nj4	95.55%	97.68%
eoverpin_iso_dPhiMETlep_dpT_met150_nj4	80.78%	84.87%
barrel_eoverpin_iso_dPhiMETlep_dpT_met150_nj4	76.82%	77.7%

cut definitions:

MET > 50 GeV

dpT: $|PF_{\text{lep}} T - GS_{\text{lep}} T| < 10$ GeV

iso < 5 GeV

eoverpin < 4 GeV (electrons only)

dPhi(MET,lep) < 2.5

MET > 150, M_T > 120 GeV

calculated using the average of two signal samples, M_{stop}, M_{LSP} 250, 0 and 350, 0

cuts applied	electrons	muons
met150_nj4 (defined as preselection)	100%	100%
dpT_met150_nj4	97.13%	99.94%
eoverpin_iso_dpT_met150_nj4	95.16%	96.49%
eoverpin_iso_dPhiMETlep_dpT_met150_nj4	65.06%	69.71%
barrel_eoverpin_iso_dPhiMETlep_dpT_met150_nj4	61.39%	64.79%

cut definitions:

MET > 50 GeV

dpT: |PFleppT - GSleppT| < 10 GeV

iso < 5 GeV

eoverpin < 4 GeV (electrons only)

dPhi(MET,lep) < 2.5

MET > 150, M_T > 150 GeV

calculated using the average of two signal samples, M_{stop}, M_{LSP} 250, 0 and 350, 0

cuts applied	electrons	muons
met150_nj4 (defined as preselection)	100%	100%
dpT_met150_nj4	96.46%	99.91%
eoverpin_iso_dpT_met150_nj4	94.25%	94.89%
eoverpin_iso_dPhiMETlep_dpT_met150_nj4	56.32%	57.6%
barrel_eoverpin_iso_dPhiMETlep_dpT_met150_nj4	54.6%	54.51%

cut definitions:

MET > 50 GeV

dpT: |PFleppT - GSleppT| < 10 GeV

iso < 5 GeV

eoverpin < 4 GeV (electrons only)

dPhi(MET,lep) < 2.5