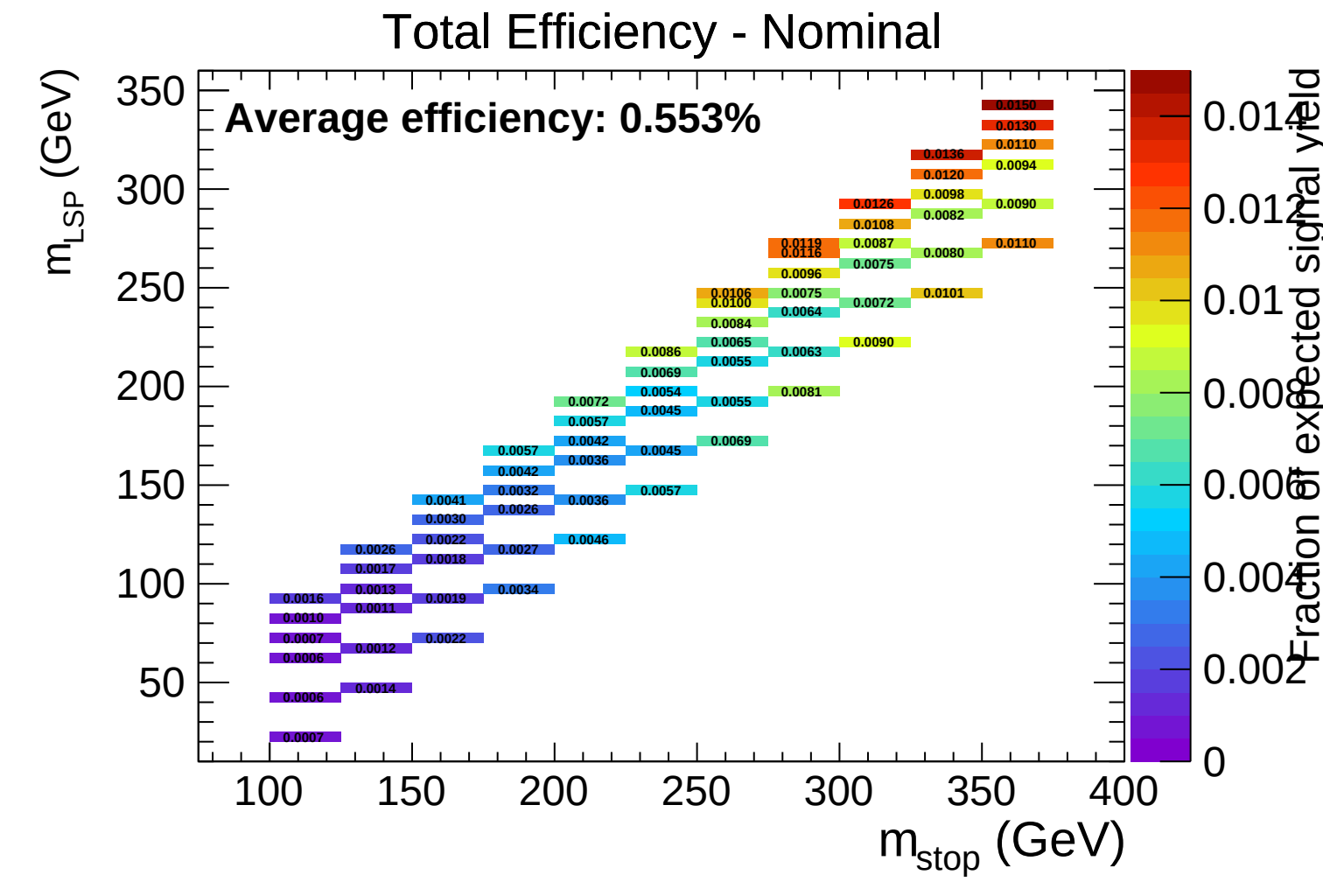
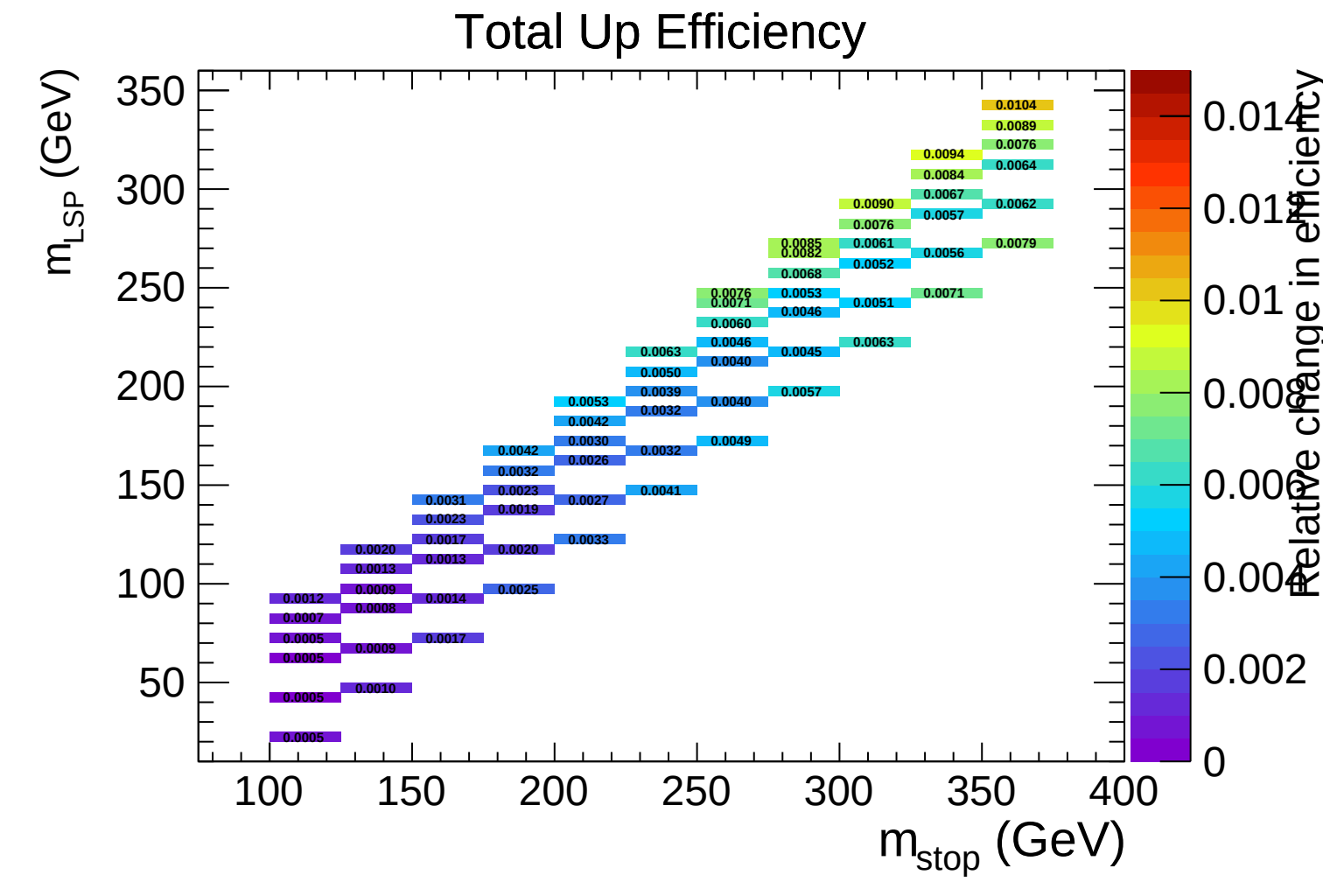
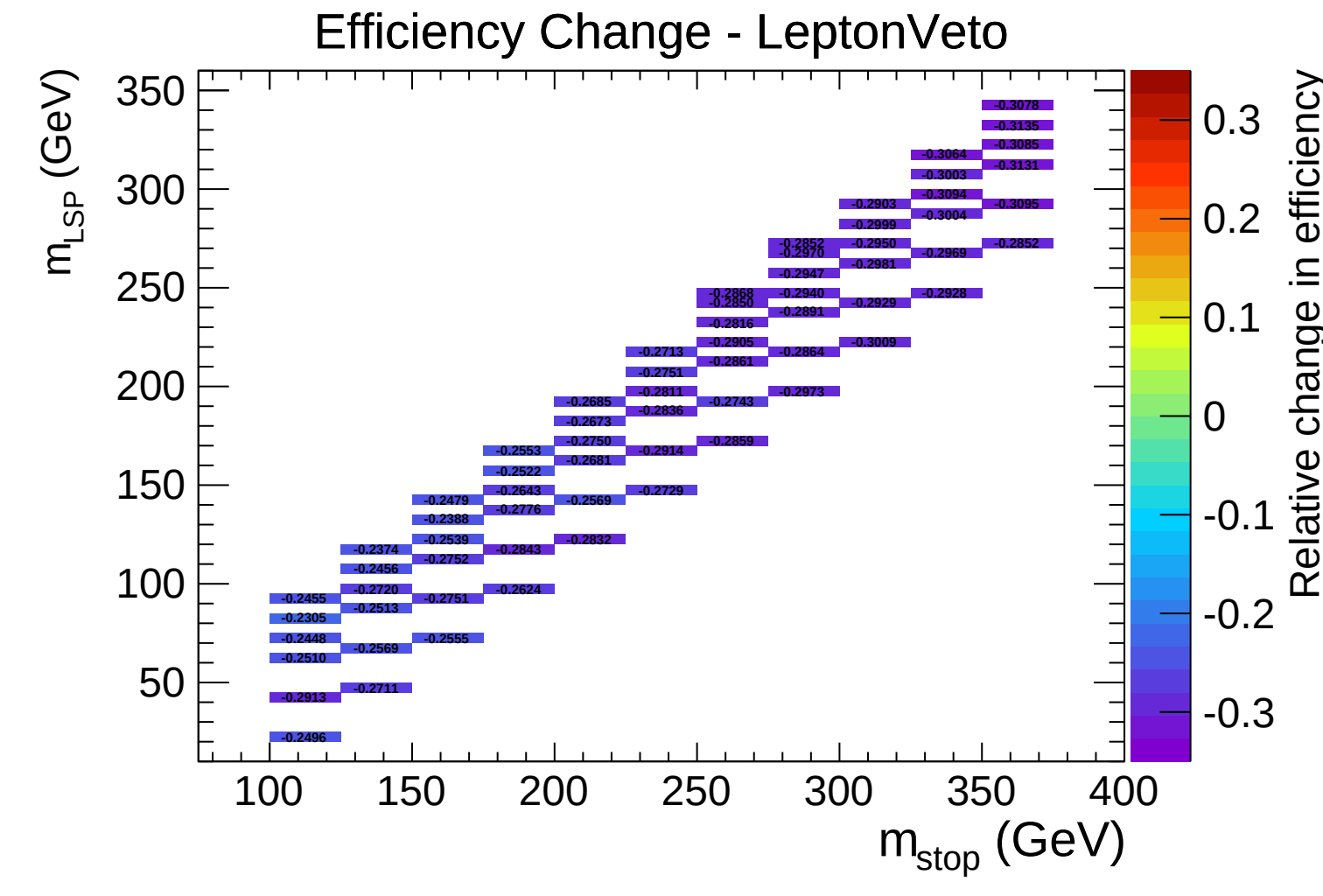

Total Efficiency - Nominal
Average efficiency: 0.553%
m_LSP (GeV)
m_stop (GeV)
Fraction of expected signal yield
350
300
250
200
150
100
50
100
150
200
250
300
350
400
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
0.0150
0.0130
0.0110
0.0094
0.0136
0.0120
0.0098
0.0090
0.0126
0.0082
0.0108
0.0119
0.0116
0.0087
0.0110
0.0080
0.0096
0.0075
0.0106
0.0100
0.0075
0.0101
0.0072
0.0064
0.0084
0.0065
0.0090
0.0086
0.0055
0.0063
0.0069
0.0054
0.0081
0.0072
0.0045
0.0055
0.0057
0.0042
0.0069
0.0057
0.0036
0.0045
0.0042
0.0032
0.0057
0.0041
0.0036
0.0026
0.0030
0.0022
0.0046
0.0026
0.0027
0.0018
0.0017
0.0013
0.0034
0.0016
0.0019
0.0011
0.0010
0.0007
0.0022
0.0012
0.0006
0.0006
0.0014
0.0007


Total Up Efficiency
m_{LSP} (GeV)
m_{stop} (GeV)
Relative change in efficiency
350
300
250
200
150
100
50
100
150
200
250
300
350
400
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
0.0104
0.0089
0.0076
0.0094
0.0064
0.0084
0.0067
0.0090
0.0062
0.0057
0.0076
0.0085
0.0082
0.0061
0.0079
0.0056
0.0052
0.0068
0.0076
0.0071
0.0053
0.0071
0.0046
0.0051
0.0060
0.0046
0.0063
0.0063
0.0045
0.0040
0.0050
0.0039
0.0057
0.0053
0.0040
0.0032
0.0042
0.0030
0.0049
0.0042
0.0026
0.0032
0.0032
0.0023
0.0041
0.0031
0.0027
0.0019
0.0023
0.0017
0.0033
0.0020
0.0020
0.0013
0.0013
0.0009
0.0025
0.0012
0.0014
0.0008
0.0007
0.0005
0.0017
0.0009
0.0005
0.0005
0.0010
0.0005


Efficiency Change - LeptonVeto
m_LSP (GeV)
m_stop (GeV)
Relative change in efficiency
350
300
250
200
150
100
50
100
150
200
250
300
350
400
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.3078
-0.3135
-0.3085
-0.3064
-0.3131
-0.3003
-0.3094
-0.2903
-0.3095
-0.3004
-0.2999
-0.2852
-0.2950
-0.2852
-0.2870
-0.2969
-0.2981
-0.2947
-0.2868
-0.2940
-0.2928
-0.2850
-0.2929
-0.2891
-0.2816
-0.2713
-0.2905
-0.3009
-0.2861
-0.2864
-0.2751
-0.2685
-0.2811
-0.2973
-0.2836
-0.2743
-0.2673
-0.2553
-0.2750
-0.2859
-0.2914
-0.2681
-0.2522
-0.2479
-0.2643
-0.2729
-0.2569
-0.2776
-0.2388
-0.2374
-0.2539
-0.2832
-0.2752
-0.2843
-0.2456
-0.2455
-0.2720
-0.2624
-0.2751
-0.2513
-0.2305
-0.2448
-0.2555
-0.2569
-0.2510
-0.2913
-0.2711
-0.2496