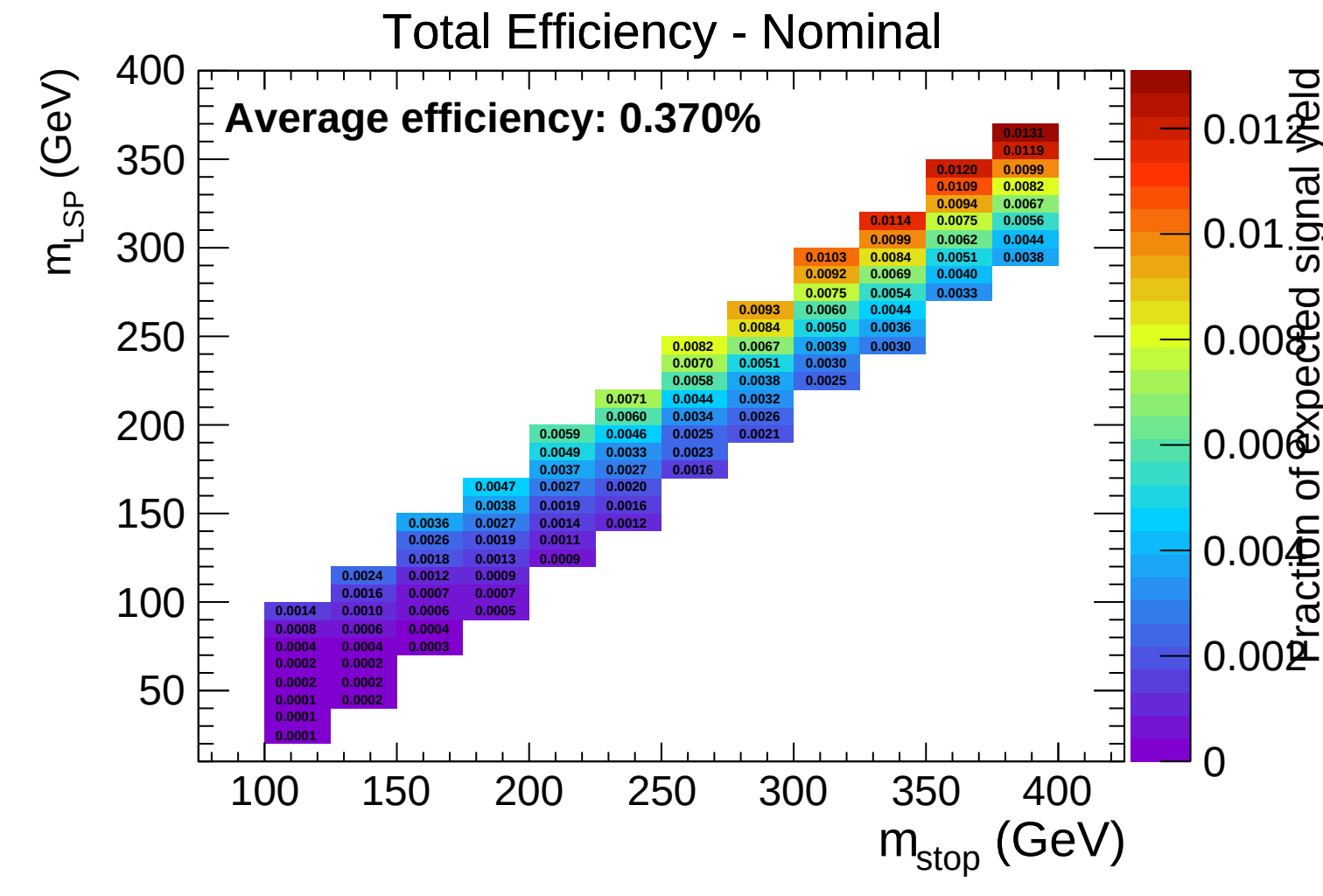
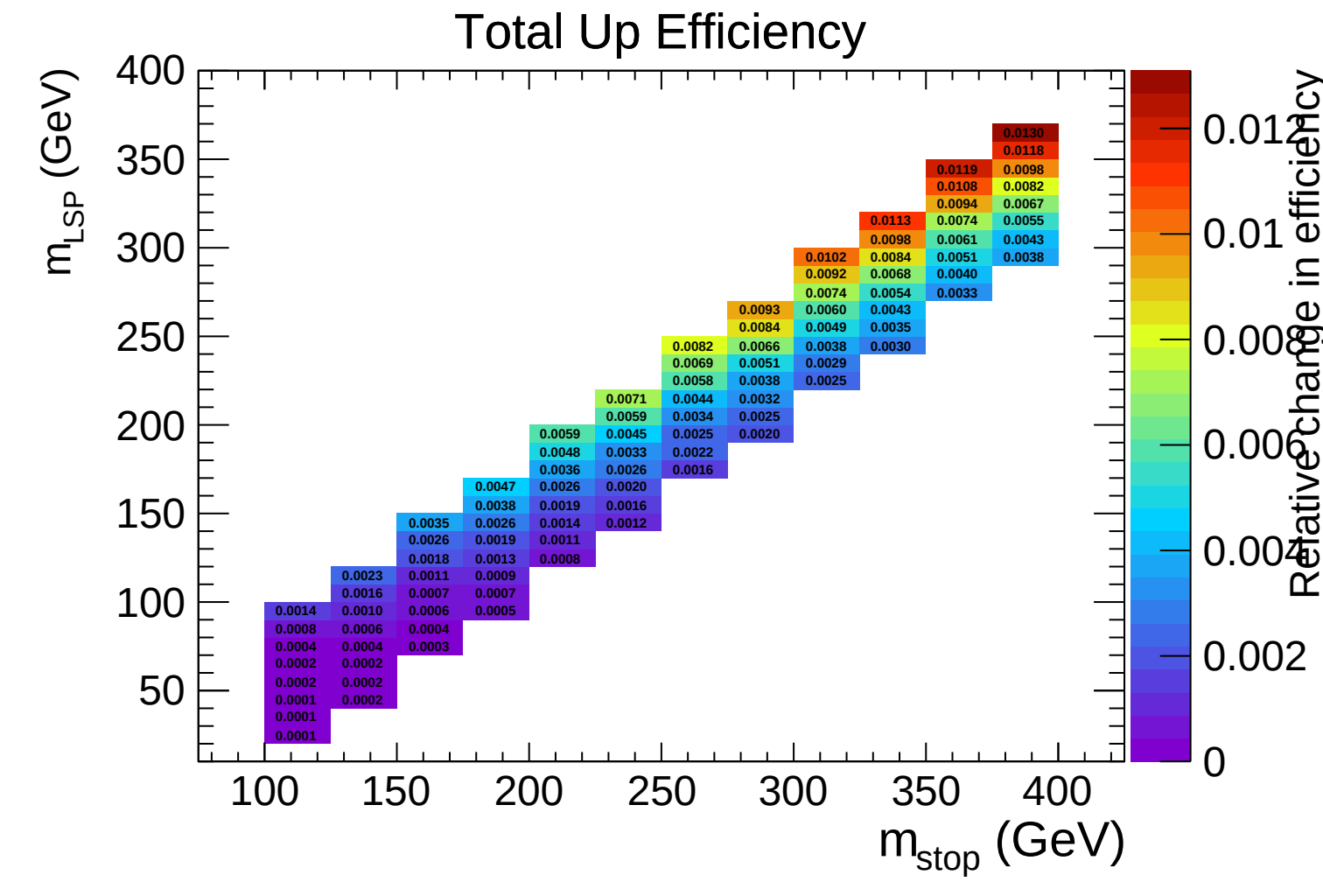
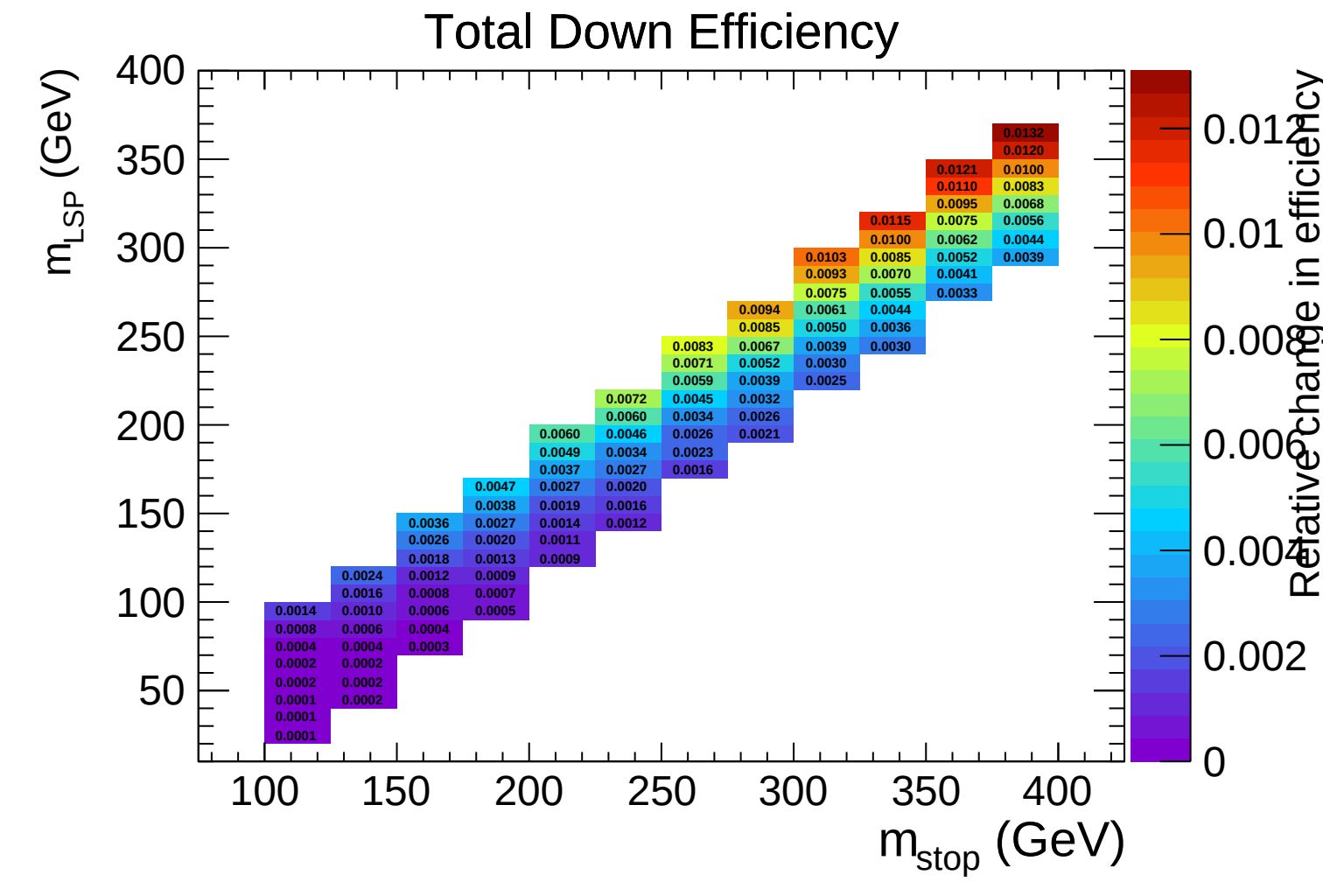
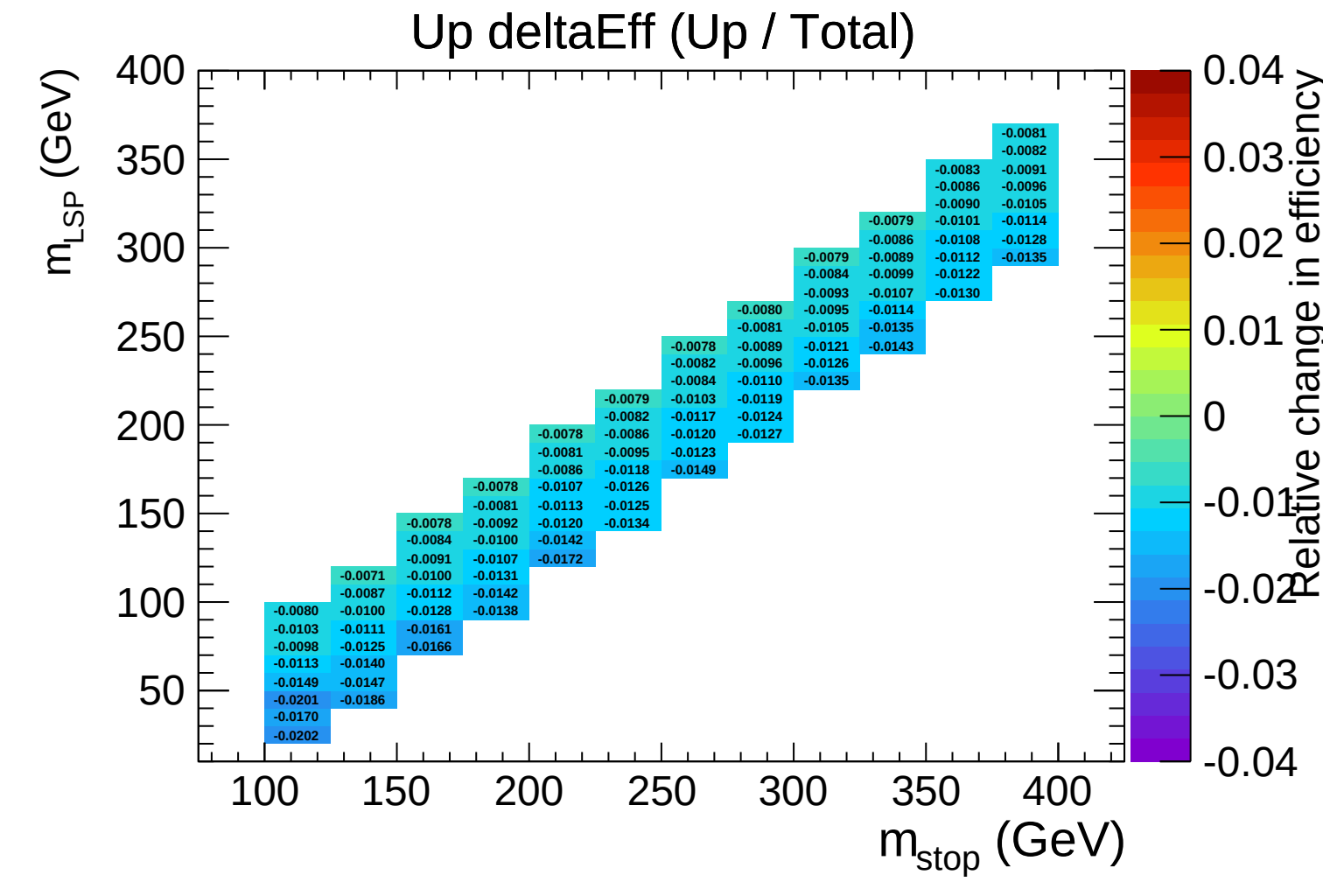
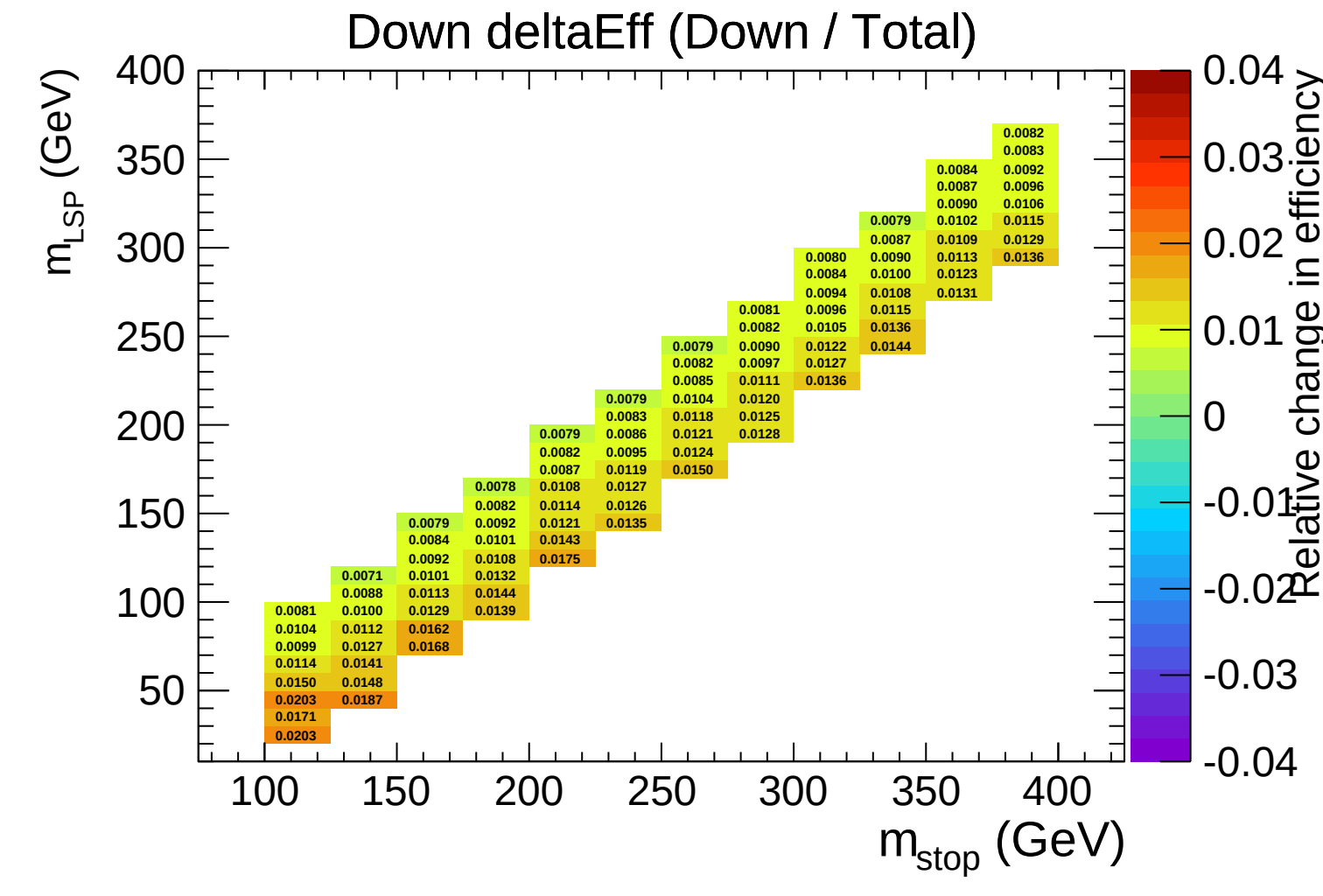

Total Efficiency - Nominal
Average efficiency: 0.370%
m_LSP (GeV)
m_stop (GeV)
Fraction of expected signal yield
400
350
300
250
200
150
100
50
100
150
200
250
300
350
400
0.0131
0.0119
0.0120
0.0109
0.0099
0.0094
0.0082
0.0067
0.0114
0.0075
0.0056
0.0099
0.0062
0.0044
0.0103
0.0092
0.0084
0.0069
0.0051
0.0040
0.0038
0.0075
0.0054
0.0033
0.0093
0.0060
0.0044
0.0084
0.0050
0.0036
0.0082
0.0067
0.0039
0.0030
0.0070
0.0051
0.0030
0.0058
0.0038
0.0025
0.0071
0.0044
0.0032
0.0060
0.0034
0.0026
0.0059
0.0046
0.0025
0.0021
0.0049
0.0033
0.0023
0.0037
0.0027
0.0016
0.0047
0.0027
0.0020
0.0038
0.0019
0.0016
0.0036
0.0027
0.0014
0.0012
0.0026
0.0019
0.0011
0.0018
0.0013
0.0009
0.0024
0.0012
0.0009
0.0016
0.0007
0.0007
0.0014
0.0010
0.0006
0.0005
0.0008
0.0006
0.0004
0.0004
0.0004
0.0003
0.0002
0.0002
0.0002
0.0002
0.0001
0.0002
0.0001
0.0001
0.0001
0.012
0.01
0.008
0.006
0.004
0.002
0

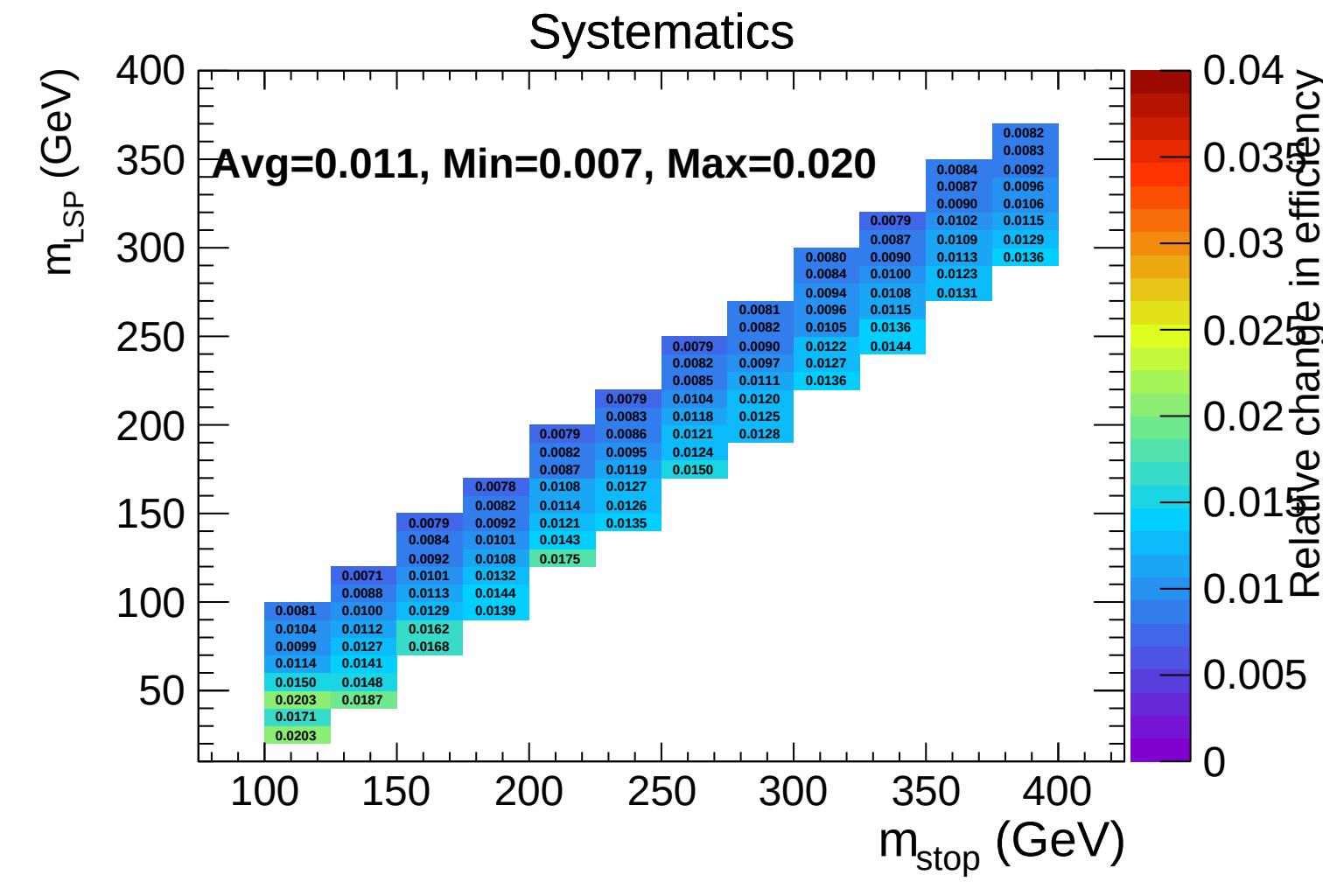

Total Up Efficiency
m_LSP (GeV)
m_stop (GeV)
Relative change in efficiency
400
350
300
250
200
150
100
50
100
150
200
250
300
350
400
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
0.0014
0.0008 0.0010
0.0004 0.0006 0.0023
0.0002 0.0004 0.0016
0.0002 0.0002 0.0011
0.0001 0.0002 0.0007
0.0001 0.0005
0.0001 0.0004 0.0035
0.0003 0.0026 0.0047
0.0018 0.0019 0.0038
0.0013 0.0026 0.0059
0.0009 0.0011 0.0014 0.0036
0.0007 0.0008 0.0026 0.0048
0.0007 0.0012 0.0016 0.0033 0.0059
0.0005 0.0020 0.0025 0.0045 0.0071
0.0016 0.0022 0.0034 0.0044 0.0069
0.0012 0.0025 0.0032 0.0051 0.0082
0.0020 0.0038 0.0066 0.0084
0.0025 0.0049 0.0093
0.0029 0.0038 0.0060 0.0074
0.0025 0.0030 0.0043 0.0054 0.0092
0.0035 0.0061 0.0068 0.0084 0.0102
0.0033 0.0040 0.0051 0.0074 0.0098 0.0113
0.0038 0.0043 0.0055 0.0067 0.0082 0.0094 0.0108 0.0119
0.0098 0.0118 0.0130



Total Down Efficiency
m_{LSP} (GeV)
m_{stop} (GeV)
Relative change in efficiency
400
350
300
250
200
150
100
50
100
150
200
250
300
350
400
0.012
0.01
0.008
0.006
0.004
0.002
0
0.0132
0.0120
0.0121
0.0100
0.0110
0.0083
0.0095
0.0068
0.0115
0.0075
0.0056
0.0100
0.0062
0.0044
0.0103
0.0085
0.0052
0.0039
0.0093
0.0070
0.0041
0.0075
0.0055
0.0033
0.0094
0.0061
0.0044
0.0085
0.0050
0.0036
0.0083
0.0067
0.0039
0.0030
0.0071
0.0052
0.0030
0.0059
0.0039
0.0025
0.0072
0.0045
0.0032
0.0060
0.0034
0.0026
0.0060
0.0046
0.0026
0.0021
0.0049
0.0034
0.0023
0.0037
0.0027
0.0016
0.0047
0.0027
0.0020
0.0038
0.0019
0.0016
0.0036
0.0027
0.0014
0.0012
0.0026
0.0020
0.0011
0.0018
0.0013
0.0009
0.0009
0.0024
0.0012
0.0007
0.0016
0.0008
0.0005
0.0014
0.0010
0.0006
0.0008
0.0006
0.0004
0.0004
0.0004
0.0003
0.0002
0.0002
0.0002
0.0002
0.0001
0.0001
0.0001


Up deltaEff (Up / Total)
m_LSP (GeV)
m_stop (GeV)
Relative change in efficiency
400
350
300
250
200
150
100
50
100
150
200
250
300
350
400
0.04
0.03
0.02
0.01
0
-0.01
-0.02
-0.03
-0.04
-0.0080
-0.0103
-0.0098
-0.0113
-0.0149
-0.0201
-0.0170
-0.0202
-0.0071
-0.0087
-0.0100
-0.0111
-0.0125
-0.0140
-0.0147
-0.0186
-0.0078
-0.0084
-0.0091
-0.0100
-0.0112
-0.0128
-0.0161
-0.0166
-0.0078
-0.0081
-0.0092
-0.0100
-0.0107
-0.0131
-0.0142
-0.0138
-0.0078
-0.0081
-0.0086
-0.0107
-0.0113
-0.0120
-0.0142
-0.0172
-0.0079
-0.0082
-0.0086
-0.0095
-0.0118
-0.0126
-0.0125
-0.0134
-0.0078
-0.0082
-0.0084
-0.0103
-0.0117
-0.0120
-0.0123
-0.0149
-0.0080
-0.0081
-0.0089
-0.0096
-0.0110
-0.0119
-0.0124
-0.0127
-0.0078
-0.0084
-0.0093
-0.0095
-0.0105
-0.0121
-0.0126
-0.0135
-0.0079
-0.0086
-0.0089
-0.0099
-0.0107
-0.0114
-0.0135
-0.0143
-0.0079
-0.0086
-0.0090
-0.0101
-0.0108
-0.0112
-0.0122
-0.0130
-0.0083
-0.0086
-0.0090
-0.0091
-0.0096
-0.0105
-0.0114
-0.0128
-0.0135
-0.0081
-0.0082


Down deltaEff (Down / Total)
m_LSP (GeV)
m_stop (GeV)
Relative change in efficiency
400
350
300
250
200
150
100
50
100
150
200
250
300
350
400
0.04
0.03
0.02
0.01
0
-0.01
-0.02
-0.03
-0.04
0.0081
0.0104
0.0099
0.0114
0.0150
0.0203
0.0171
0.0203
0.0071
0.0088
0.0100
0.0112
0.0127
0.0141
0.0148
0.0187
0.0079
0.0084
0.0092
0.0101
0.0108
0.0129
0.0162
0.0168
0.0078
0.0082
0.0092
0.0101
0.0132
0.0144
0.0139
0.0079
0.0082
0.0087
0.0108
0.0114
0.0121
0.0143
0.0175
0.0079
0.0083
0.0086
0.0095
0.0119
0.0127
0.0126
0.0135
0.0079
0.0082
0.0085
0.0104
0.0118
0.0121
0.0124
0.0150
0.0081
0.0082
0.0090
0.0097
0.0111
0.0120
0.0125
0.0128
0.0080
0.0084
0.0094
0.0096
0.0105
0.0122
0.0127
0.0136
0.0079
0.0087
0.0090
0.0100
0.0108
0.0115
0.0136
0.0144
0.0084
0.0087
0.0090
0.0102
0.0109
0.0113
0.0123
0.0131
0.0082
0.0083
0.0092
0.0096
0.0106
0.0115
0.0129
0.0136



Systematics
Avg=0.011, Min=0.007, Max=0.020
m_{LSP} (GeV)
m_{stop} (GeV)
Relative change in efficiency
0.0081 0.0104 0.0099 0.0114 0.0150 0.0203 0.0171 0.0203
0.0071 0.0088 0.0100 0.0112 0.0127 0.0141 0.0148 0.0187
0.0079 0.0084 0.0092 0.0101 0.0113 0.0129 0.0162 0.0168
0.0078 0.0082 0.0092 0.0101 0.0108 0.0132 0.0144 0.0139
0.0079 0.0082 0.0087 0.0108 0.0114 0.0121 0.0143 0.0175
0.0079 0.0083 0.0086 0.0095 0.0119 0.0127 0.0126 0.0135
0.0079 0.0082 0.0085 0.0104 0.0118 0.0121 0.0124 0.0150
0.0081 0.0082 0.0090 0.0097 0.0111 0.0120 0.0125 0.0128
0.0080 0.0084 0.0094 0.0096 0.0105 0.0122 0.0127 0.0136
0.0079 0.0087 0.0090 0.0100 0.0108 0.0115 0.0136 0.0144
0.0084 0.0087 0.0090 0.0102 0.0109 0.0113 0.0123 0.0131
0.0082 0.0083 0.0092 0.0096 0.0106 0.0115 0.0129 0.0136