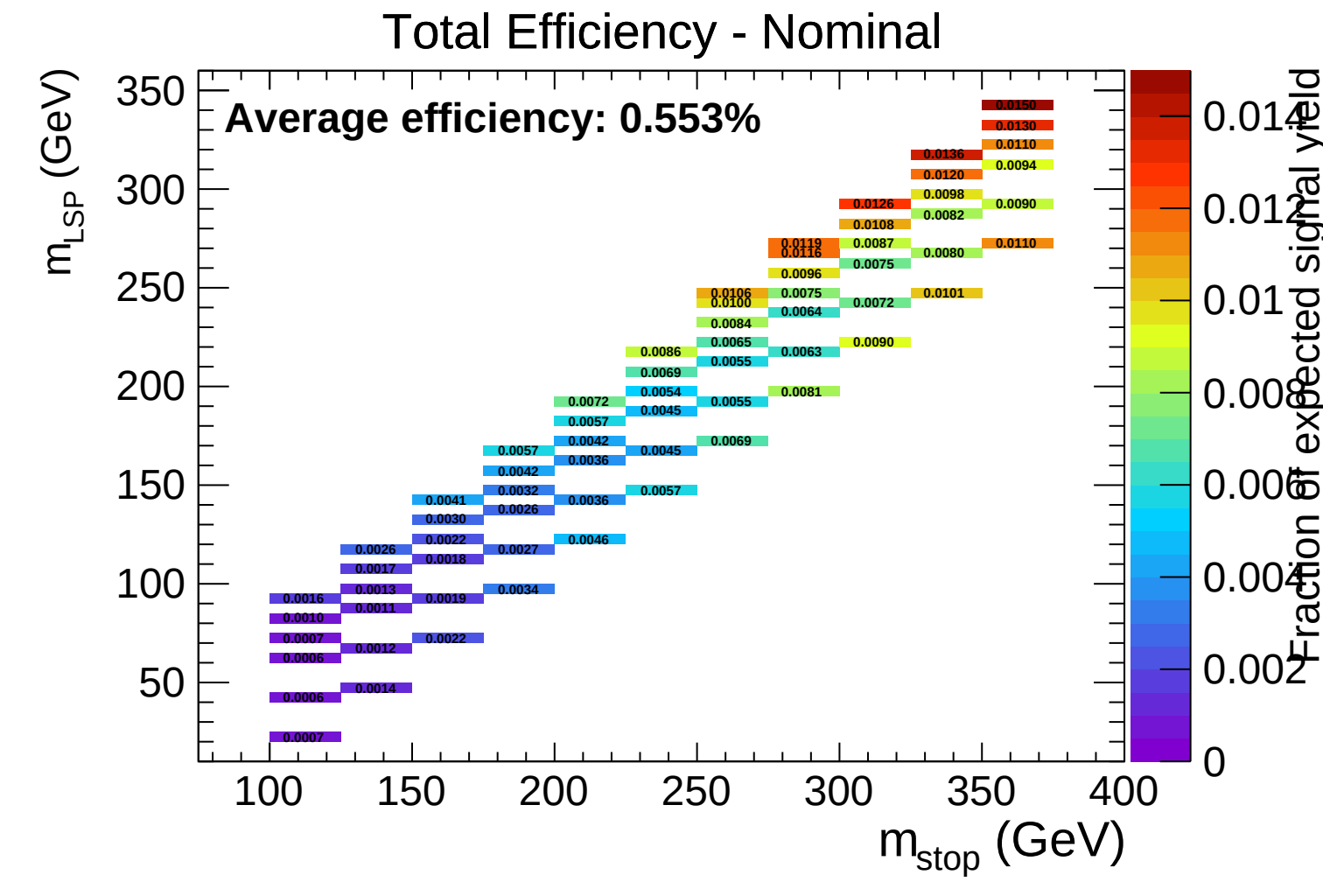
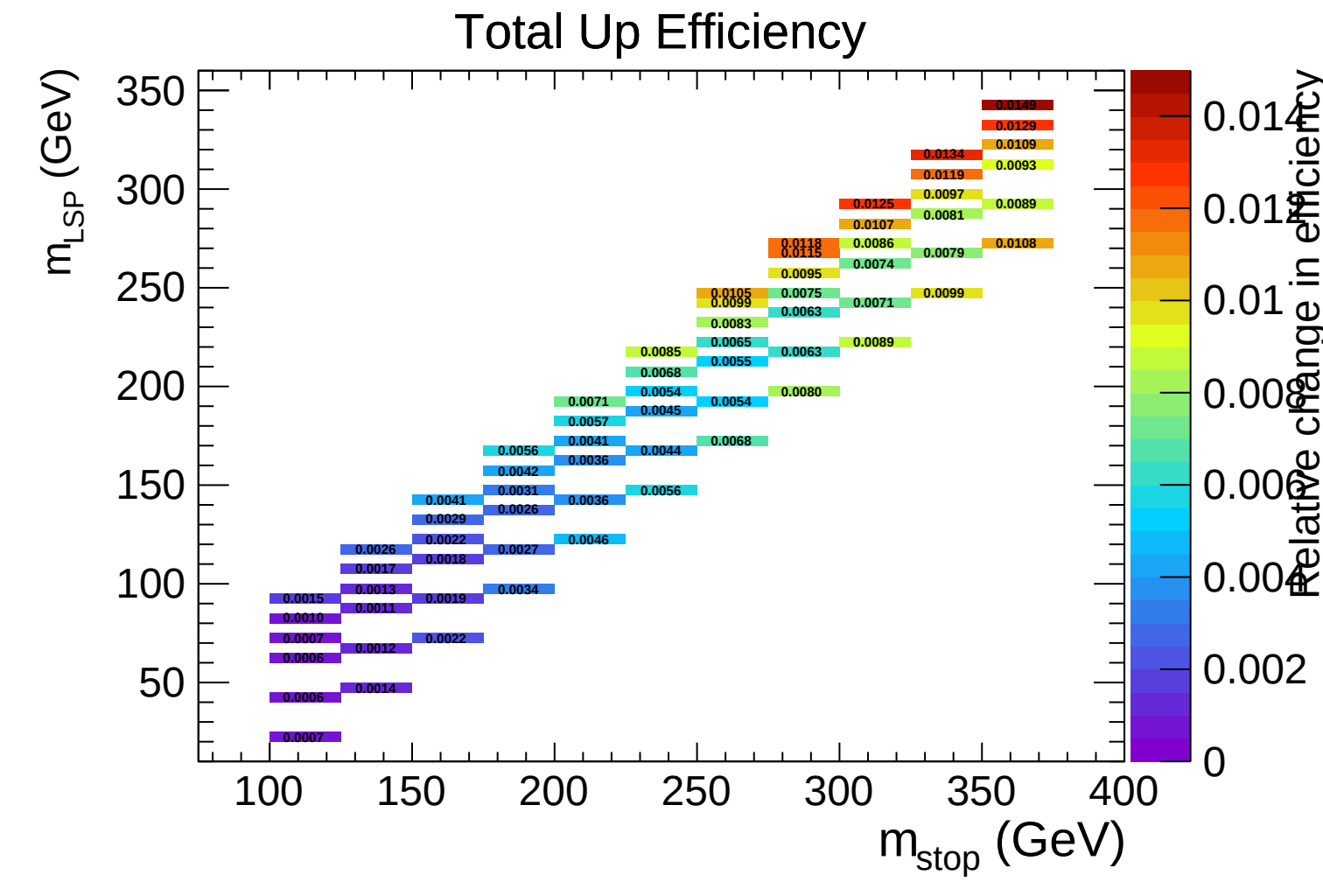
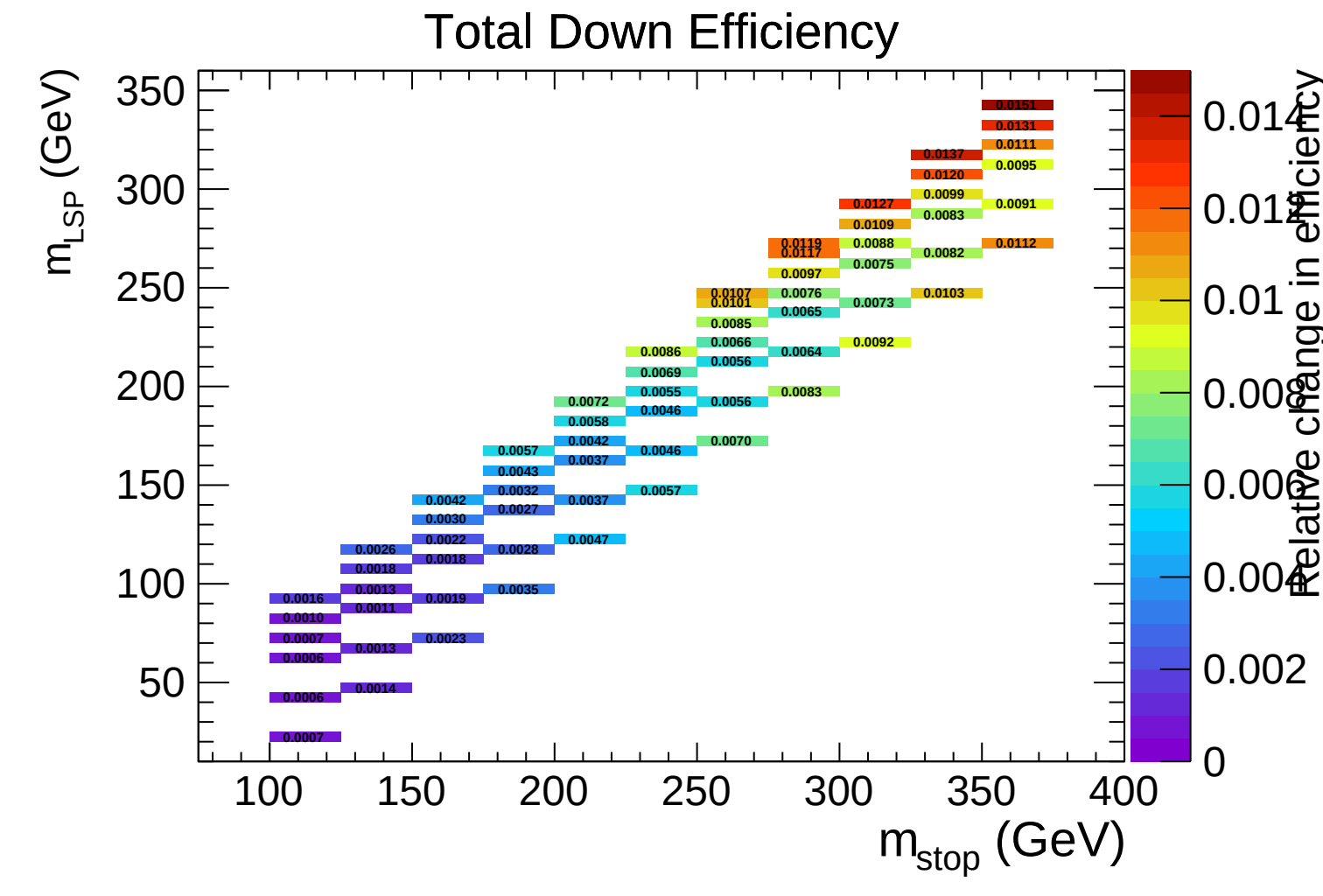
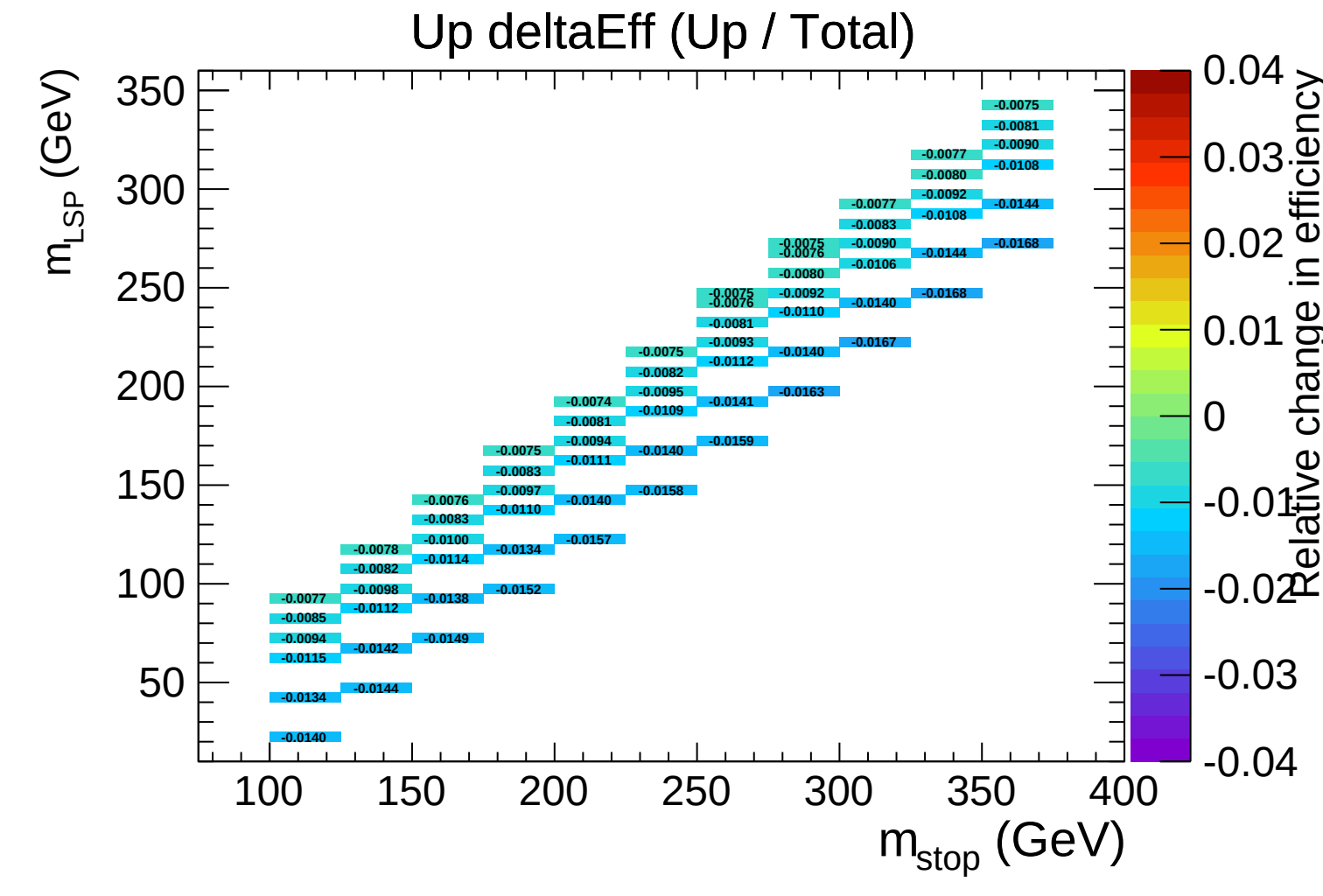
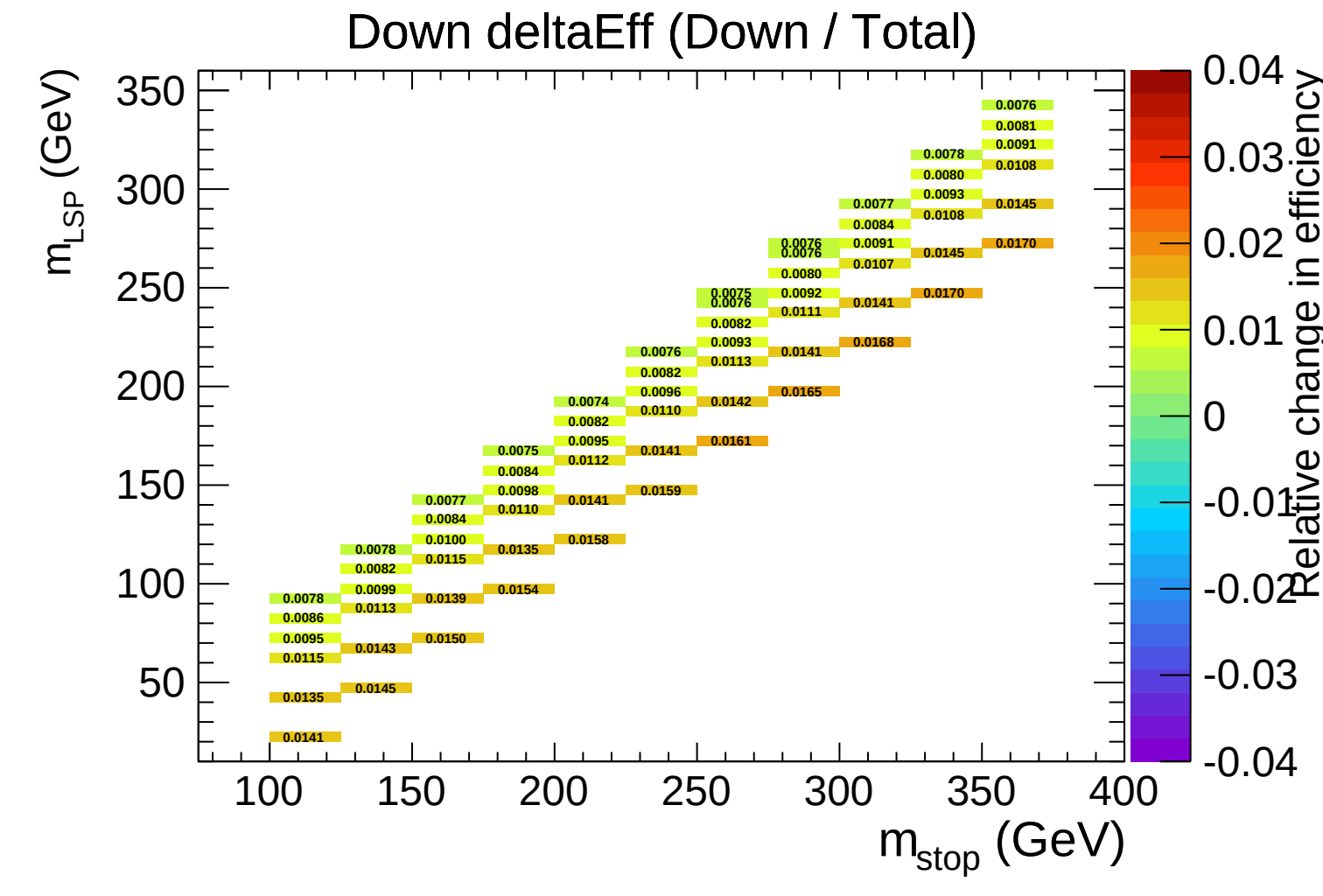
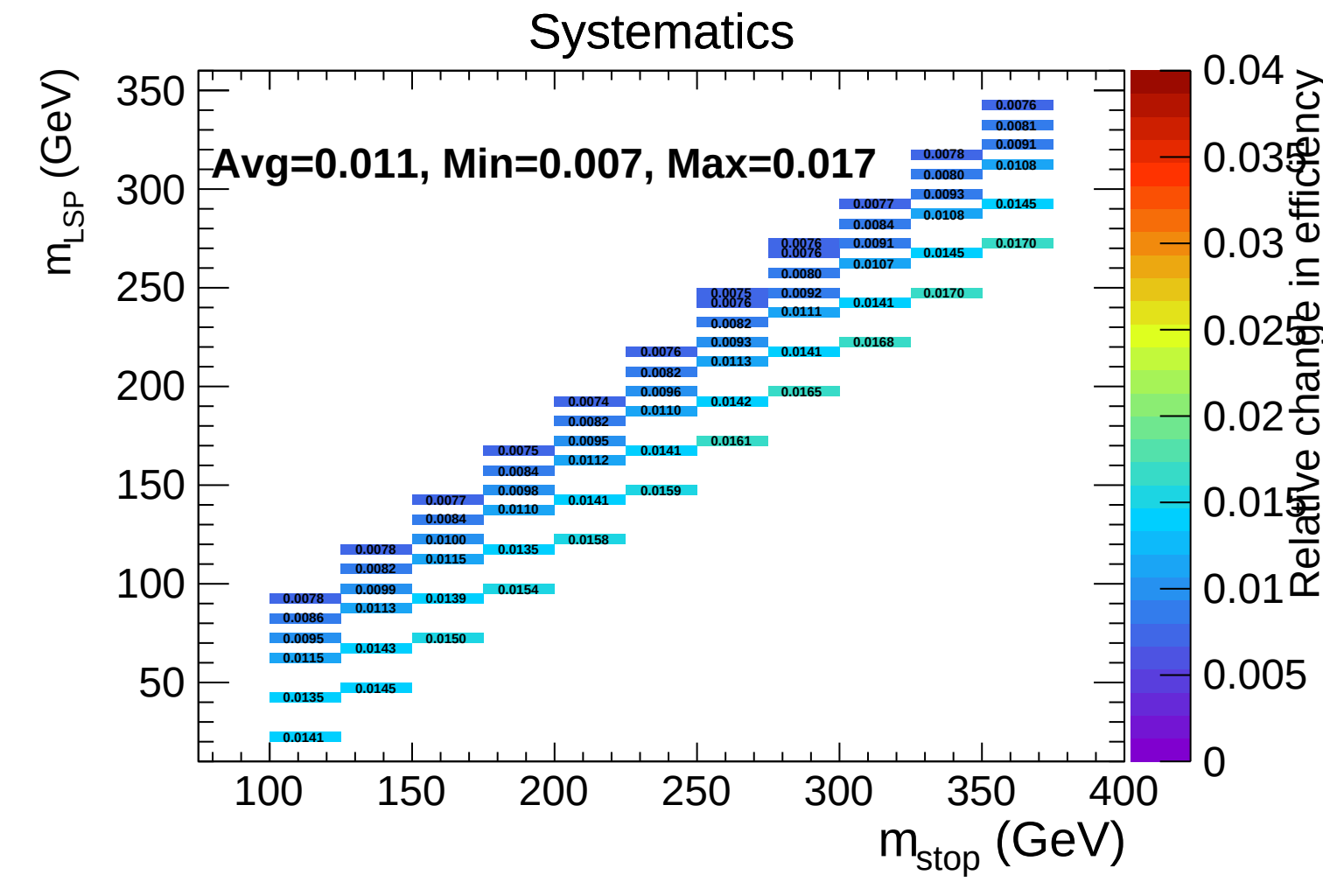

Total Efficiency - Nominal
Average efficiency: 0.553%
m_LSP (GeV)
m_stop (GeV)
Fraction of expected signal yield
350
300
250
200
150
100
50
100
150
200
250
300
350
400
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
0.0150
0.0130
0.0110
0.0094
0.0136
0.0120
0.0098
0.0090
0.0126
0.0082
0.0108
0.0119
0.0116
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
0.0149
0.0129
0.0109
0.0093
0.0134
0.0119
0.0097
0.0089
0.0125
0.0081
0.0107
0.0118
0.0115
0.0086
0.0108
0.0079
0.0074
0.0095
0.0105
0.0099
0.0075
0.0099
0.0071
0.0063
0.0083
0.0065
0.0089
0.0085
0.0055
0.0063
0.0068
0.0054
0.0080
0.0071
0.0045
0.0054
0.0057
0.0041
0.0068
0.0056
0.0036
0.0044
0.0042
0.0031
0.0056
0.0041
0.0036
0.0026
0.0029
0.0022
0.0046
0.0026
0.0027
0.0018
0.0017
0.0034
0.0015
0.0013
0.0019
0.0011
0.0010
0.0007
0.0022
0.0012
0.0006
0.0006
0.0014
0.0007


Total Down 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
0.0151
0.0131
0.0111
0.0095
0.0137
0.0120
0.0099
0.0091
0.0127
0.0083
0.0109
0.0088
0.0112
0.0119
0.0117
0.0082
0.0075
0.0097
0.0107
0.0076
0.0103
0.0101
0.0073
0.0065
0.0085
0.0092
0.0066
0.0086
0.0064
0.0056
0.0069
0.0055
0.0083
0.0072
0.0056
0.0046
0.0058
0.0042
0.0070
0.0057
0.0046
0.0037
0.0043
0.0032
0.0057
0.0042
0.0037
0.0027
0.0030
0.0022
0.0047
0.0026
0.0028
0.0018
0.0018
0.0013
0.0035
0.0016
0.0019
0.0011
0.0010
0.0007
0.0023
0.0013
0.0006
0.0006
0.0014
0.0007


Up deltaEff (Up / Total)
m_LSP (GeV)
m_stop (GeV)
Relative change in efficiency
350
300
250
200
150
100
50
100
150
200
250
300
350
400
0.04
0.03
0.02
0.01
0
-0.01
-0.02
-0.03
-0.04
-0.0140
-0.0134 -0.0144
-0.0094 -0.0115 -0.0142 -0.0149
-0.0077 -0.0085 -0.0098 -0.0112 -0.0138 -0.0152
-0.0078 -0.0082 -0.0100 -0.0114 -0.0134 -0.0157
-0.0076 -0.0083 -0.0097 -0.0110 -0.0140 -0.0158
-0.0075 -0.0083 -0.0094 -0.0111 -0.0140 -0.0159
-0.0074 -0.0081 -0.0095 -0.0109 -0.0141 -0.0163
-0.0075 -0.0082 -0.0093 -0.0112 -0.0140 -0.0167
-0.0075 -0.0076 -0.0081 -0.0092 -0.0110 -0.0140 -0.0168
-0.0075 -0.0076 -0.0080 -0.0090 -0.0106 -0.0144 -0.0168
-0.0077 -0.0083 -0.0092 -0.0108 -0.0144
-0.0077 -0.0080 -0.0090 -0.0108
-0.0075 -0.0081 -0.0090 -0.0108
-0.0075


Down deltaEff (Down / Total)
m_LSP (GeV)
m_stop (GeV)
Relative change in efficiency
350
300
250
200
150
100
50
100
150
200
250
300
350
400
0.04
0.03
0.02
0.01
0
-0.01
-0.02
-0.03
-0.04
0.0141
0.0135 0.0145
0.0095 0.0115 0.0143 0.0150
0.0078 0.0086 0.0099 0.0113 0.0139 0.0154
0.0078 0.0082 0.0100 0.0115 0.0135 0.0158
0.0077 0.0084 0.0098 0.0110 0.0141 0.0159
0.0075 0.0084 0.0095 0.0112 0.0141 0.0161
0.0074 0.0082 0.0096 0.0110 0.0142 0.0165
0.0076 0.0082 0.0093 0.0113 0.0141 0.0168
0.0075 0.0076 0.0082 0.0092 0.0111 0.0141 0.0170
0.0076 0.0076 0.0080 0.0091 0.0107 0.0145 0.0170
0.0077 0.0084 0.0093 0.0108 0.0145
0.0078 0.0080 0.0091 0.0108
0.0076 0.0081 0.0091


Systematics
Avg=0.011, Min=0.007, Max=0.017
m_LSP (GeV)
m_stop (GeV)
Relative change in efficiency
100
150
200
250
300
350
400
50
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04