

$\tilde{q}\tilde{q}$ production: $\tilde{q} \rightarrow q \tilde{\chi}_1^0$

ATLAS Simulation

SR Meff-4j-1800

Acceptance (%)

$m_{\tilde{\chi}_1^0}$ [GeV]

$m_{\tilde{q}}$ [GeV]

0.0093

0.0059

0.016

0.017

0.022

0.033

0.039

0.052

0.061

0.075

0.088

0.111

0.128

0.148

0.171

0.199

0.233

0.273

0.319

0.371

0.429

0.493

0.563

0.639

0.721

0.809

0.901

0.997

1.097

1.201

1.309

1.421

1.537

1.657

1.781

1.909

2.041

2.177

2.317

2.461

2.609

2.761

2.917

3.077

3.241

3.409

3.581

3.757

3.937

4.121

4.309

4.497

4.689

4.881

5.077

5.277

5.481

5.689

5.897

6.109

6.321

6.537

6.757

6.981

7.209

7.441

7.677

7.917

8.161

8.409

8.661

8.917

9.177

9.441

9.709

9.981

10.257

10.537

10.821

11.109

11.397

11.689

11.981

12.277

12.577

12.881

13.189

13.497

13.809

14.121

14.437

14.757

15.081

15.409

15.741

16.077

16.417

16.761

17.109

17.461

17.817

18.177

18.541

18.909

19.281

19.657

20.037

20.421

20.809

21.197

21.589

21.981

22.377

22.777

23.181

23.589

23.997

24.409

24.821

25.237

25.657

26.081

26.509

26.941

27.377

27.817

28.261

28.709

29.161

29.617

30.077

30.541

31.009

31.481

31.957

32.437

32.921

33.409

33.897

34.389

34.881

35.377

35.877

36.381

36.889

37.397

37.909

38.421

38.937

39.457

39.981

40.509

41.041

41.577

42.117

42.661

43.209

43.761

44.317

44.877

45.441

46.009

46.581

47.157

47.737

48.321

48.909

49.501

50.097

50.697

51.297

51.897

52.497

53.097

53.697

54.297

54.897

55.497

56.097

56.697

57.297

57.897

58.497

59.097

59.697

60.297

60.897

61.497

62.097

62.697

63.297

63.897

64.497

65.097

65.697

66.297

66.897

67.497

68.097

68.697

69.297

69.897

70.497

71.097

71.697

72.297

72.897

73.497

74.097

74.697

75.297

75.897

76.497

77.097

77.697

78.297

78.897

79.497

80.097

80.697

81.297

81.897

82.497

83.097

83.697

84.297

84.897

85.497

86.097

86.697

87.297

87.897

88.497

89.097

89.697

90.297

90.897

91.497

92.097

92.697

93.297

93.897

94.497

95.097

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99.897

100.497

101.097

101.697

102.297

102.897

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104.097

104.697

105.297

105.897

106.497

107.097

107.697

108.297

108.897

109.497

110.097

110.697

111.297

111.897

112.497

113.097

113.697

114.297

114.897

115.497

116.097

116.697

117.297

117.897

118.497

119.097

119.697

120.297

120.897

121.497

122.097

122.697

123.297

123.897

124.497

125.097

125.697

126.297

126.897

127.497

128.097

128.697

129.297

129.897

130.497

131.097

131.697

132.297

132.897

133.497

134.097

134.697