

4j1ph1pmiss

Number of Events

60

40

20

0

2

4

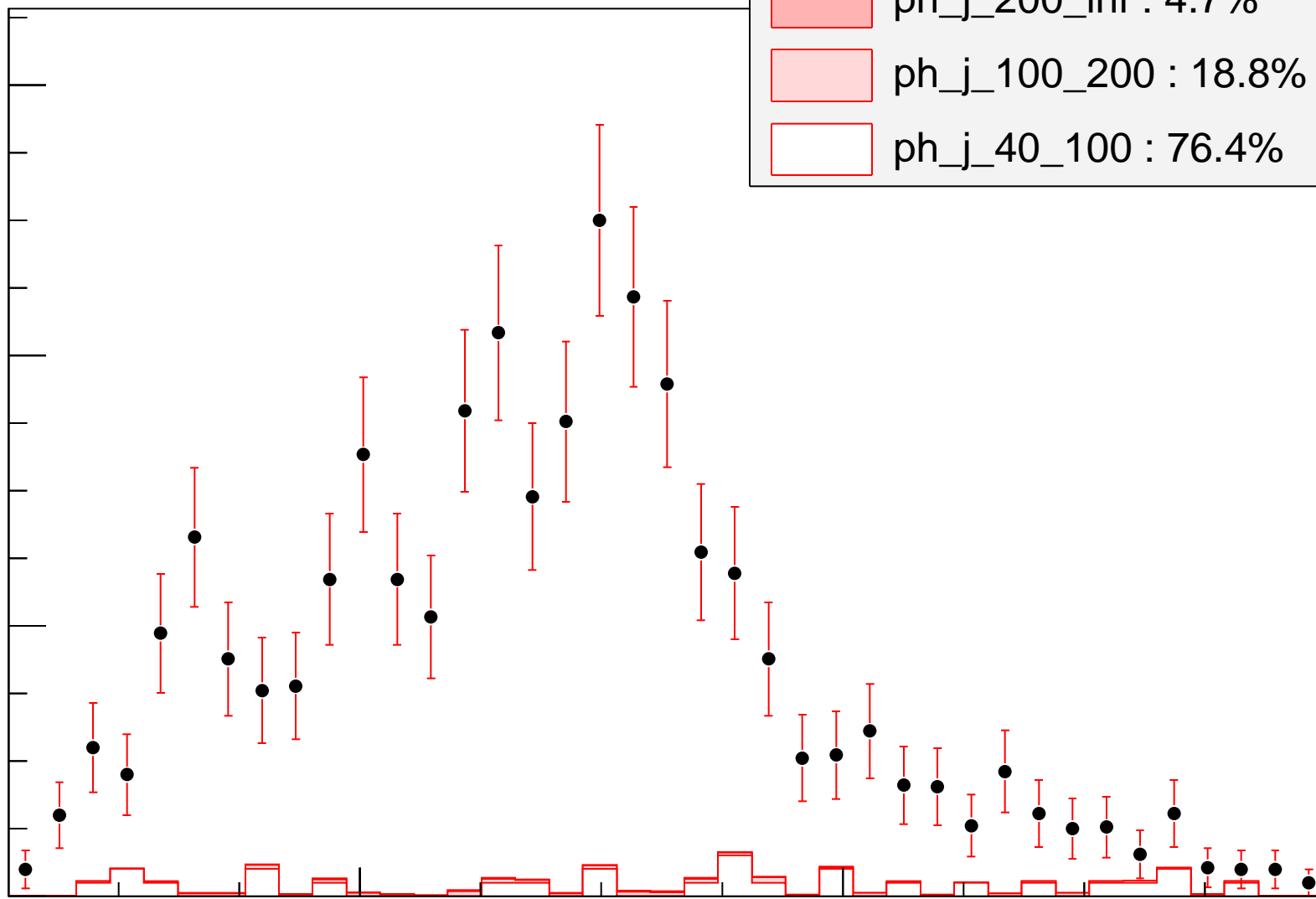
$\Delta R(j1,j4)$

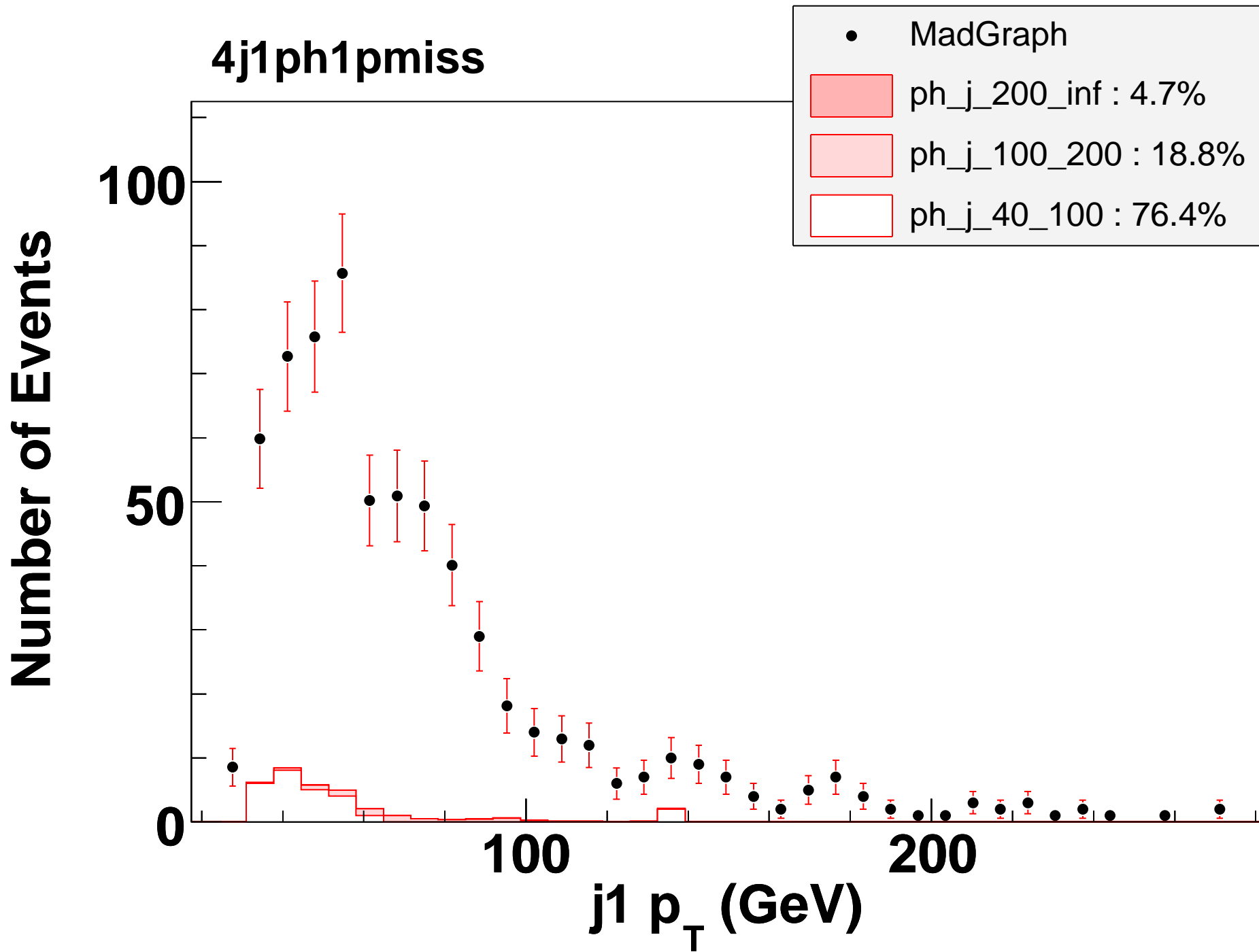
• MadGraph

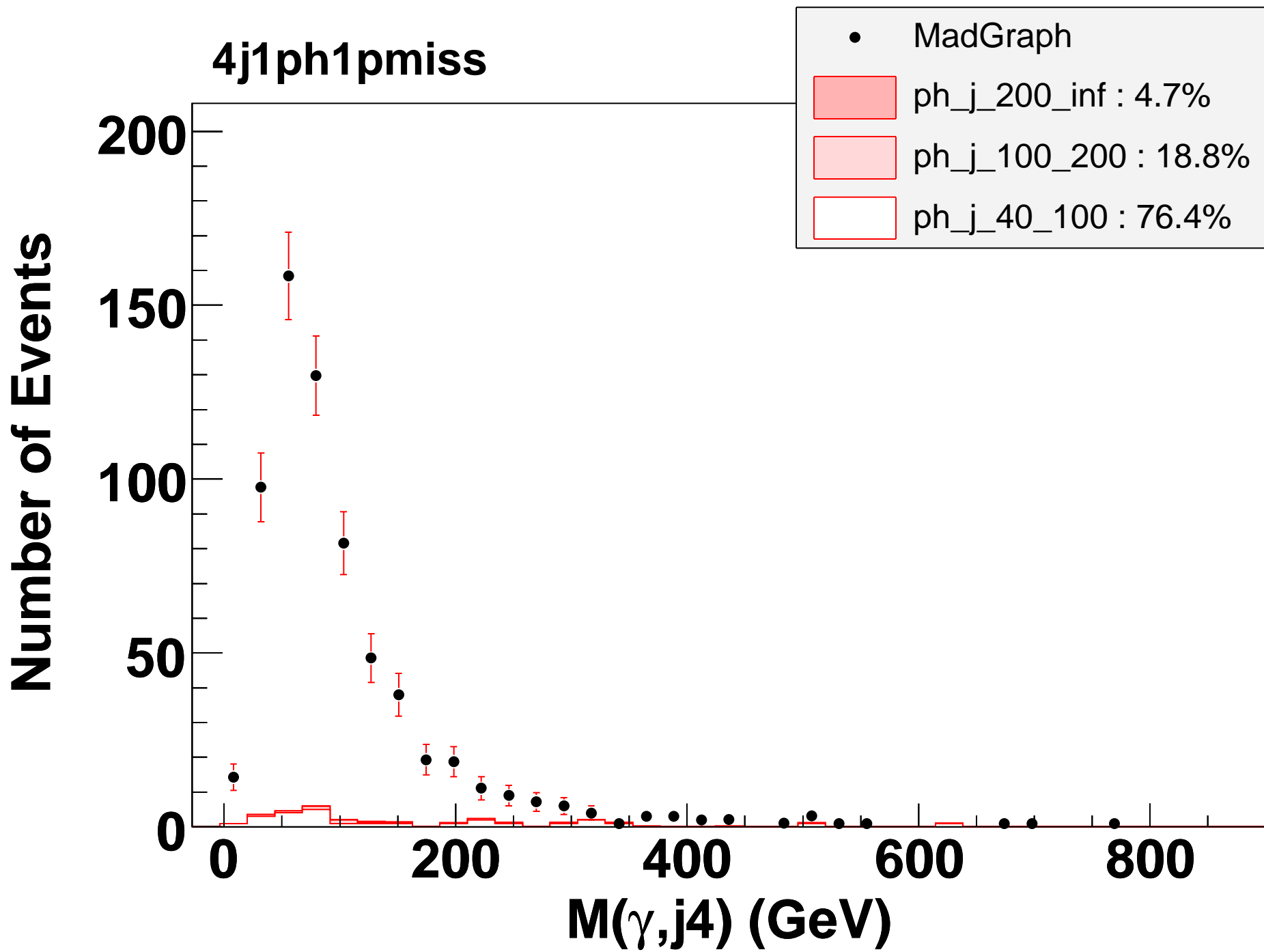
ph_j_200_inf : 4.7%

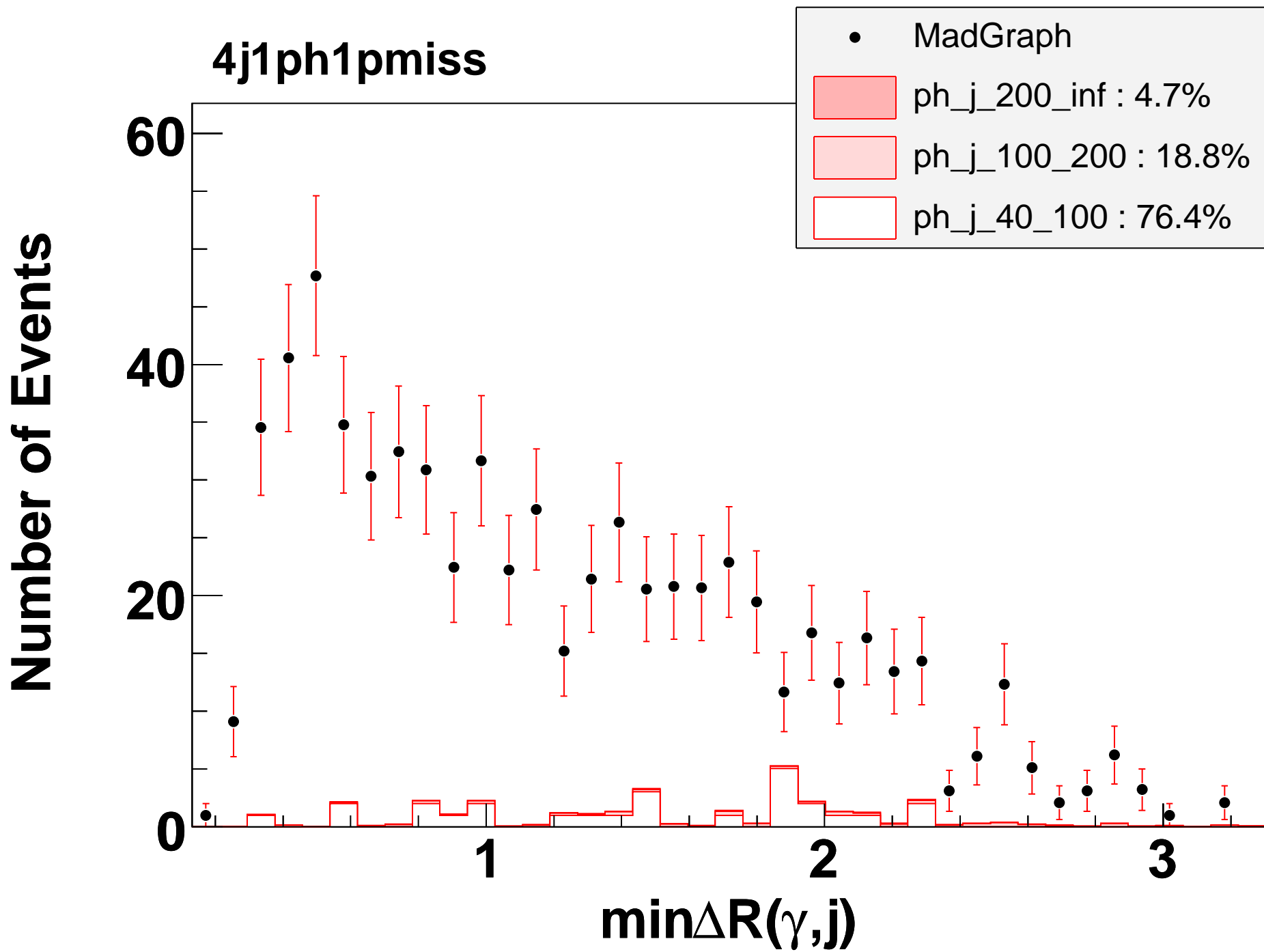
ph_j_100_200 : 18.8%

ph_j_40_100 : 76.4%



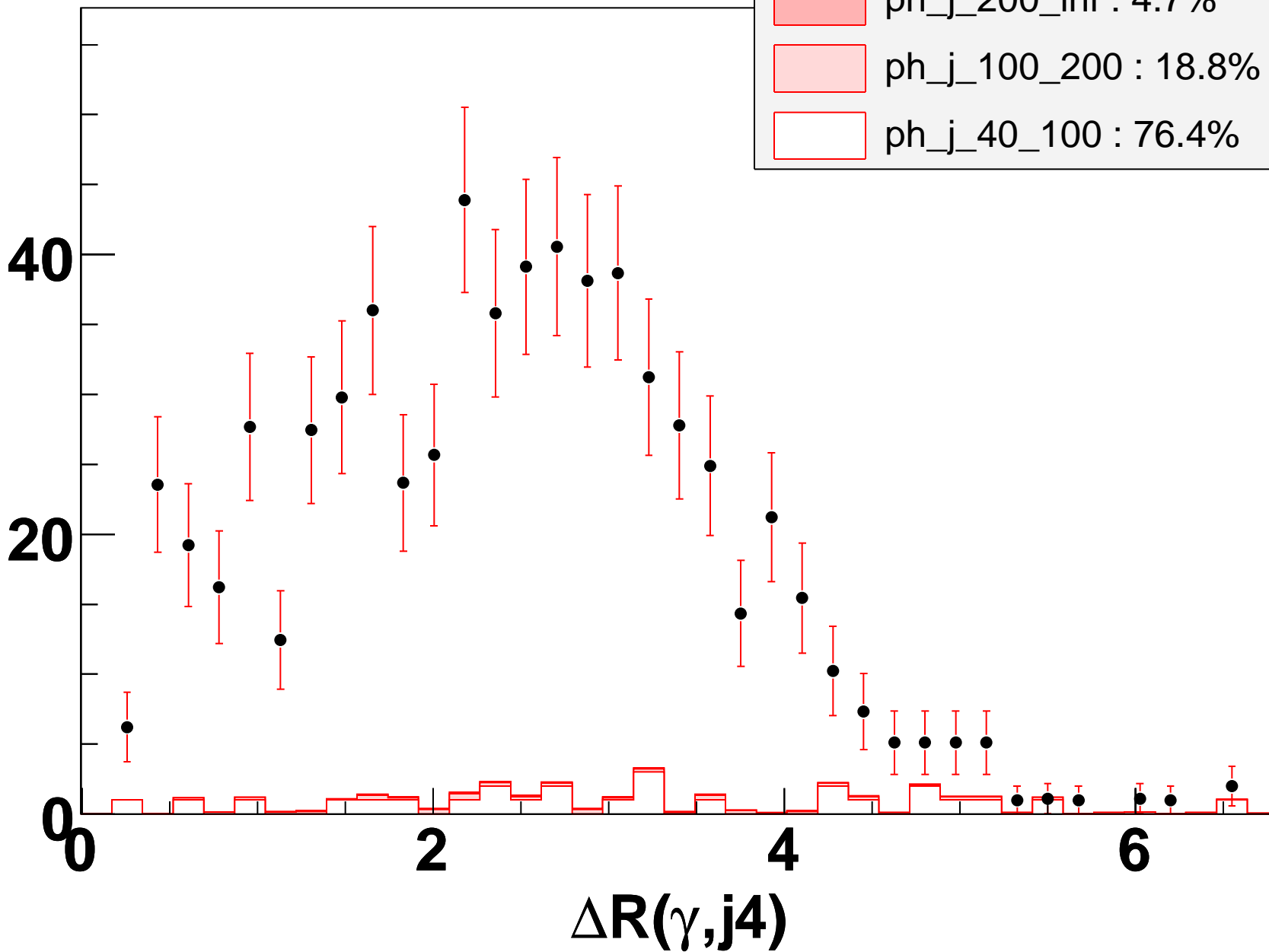


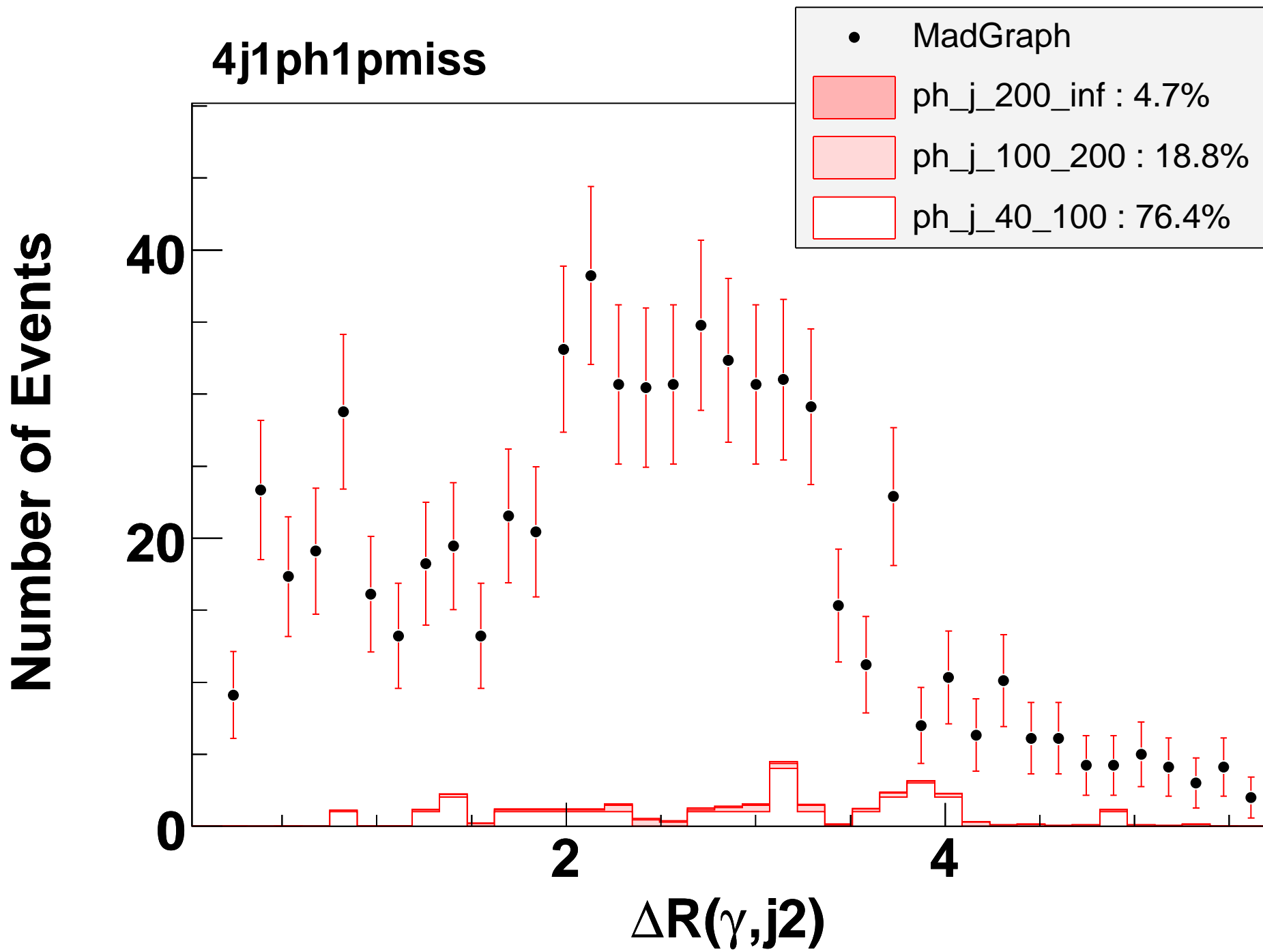




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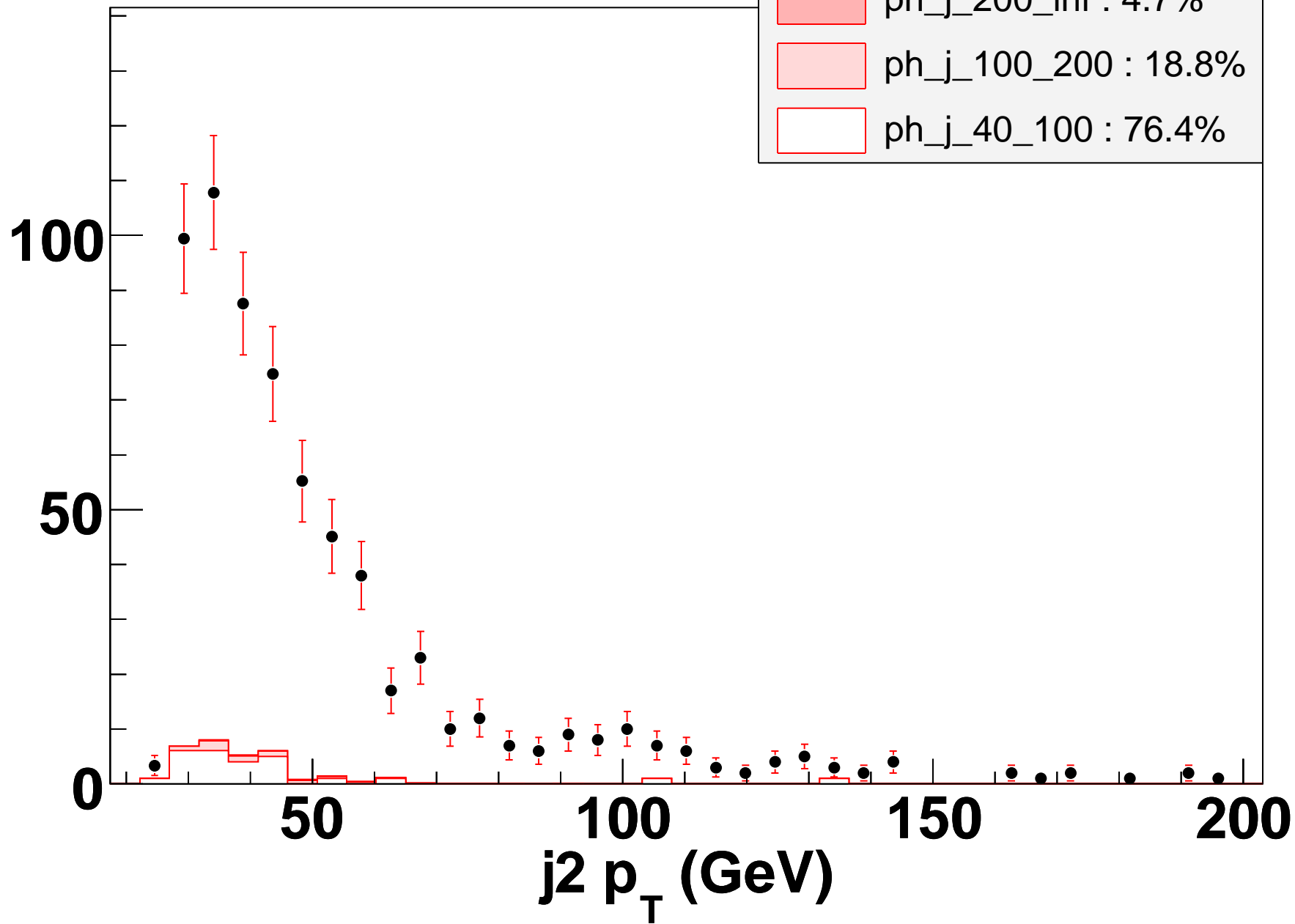
Number of Events

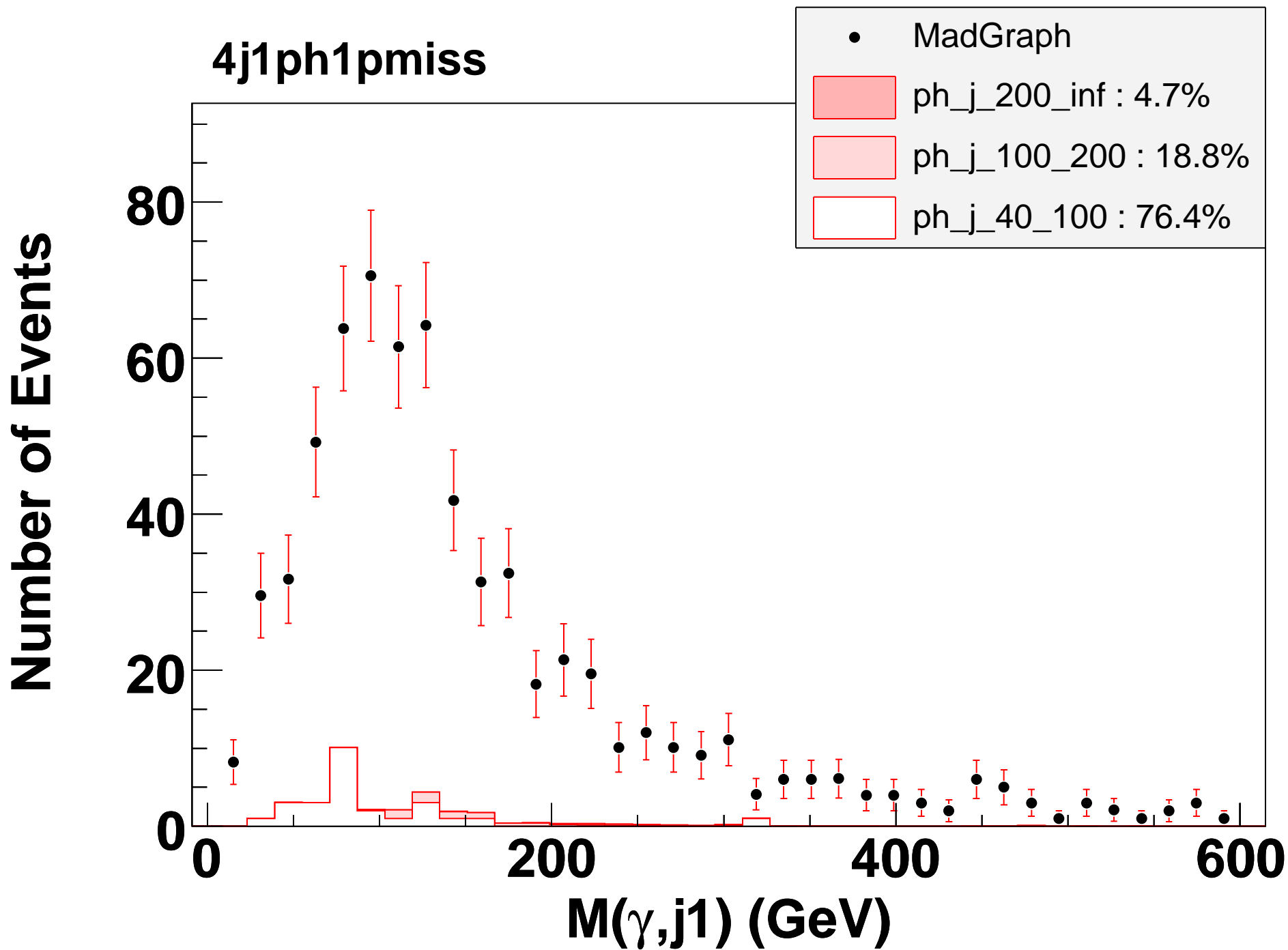




4j1ph1pmiss

Number of Events





4j1ph1pmiss

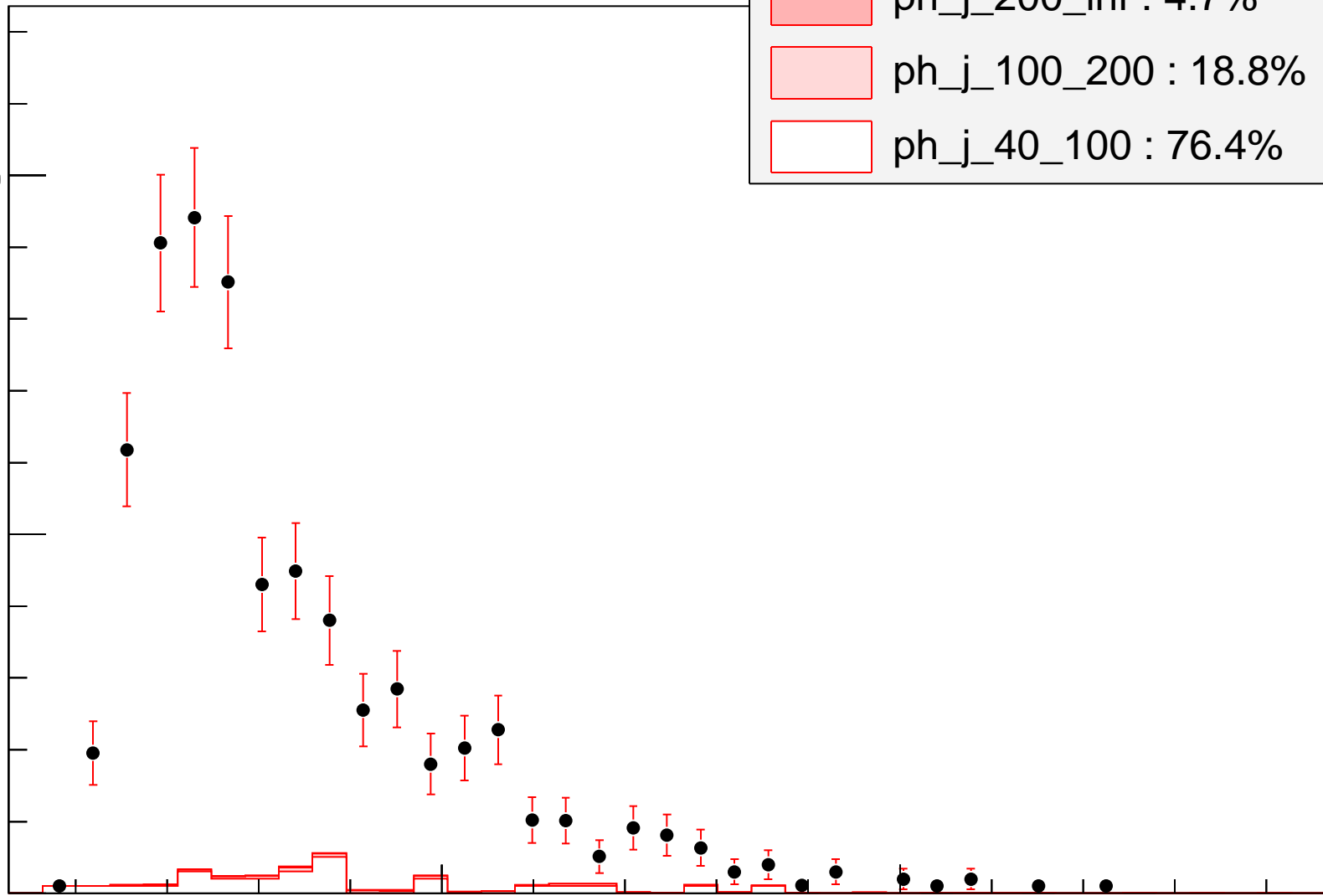
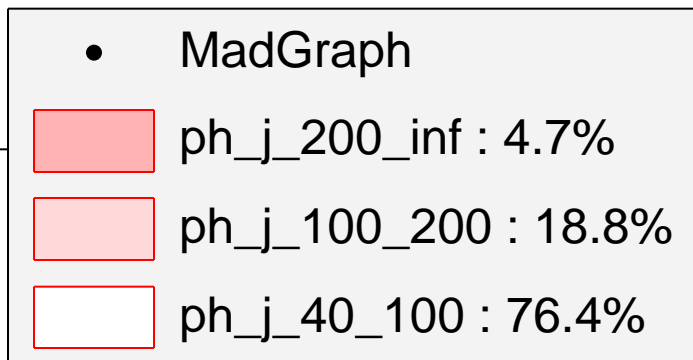
Number of Events

100
50
0

500

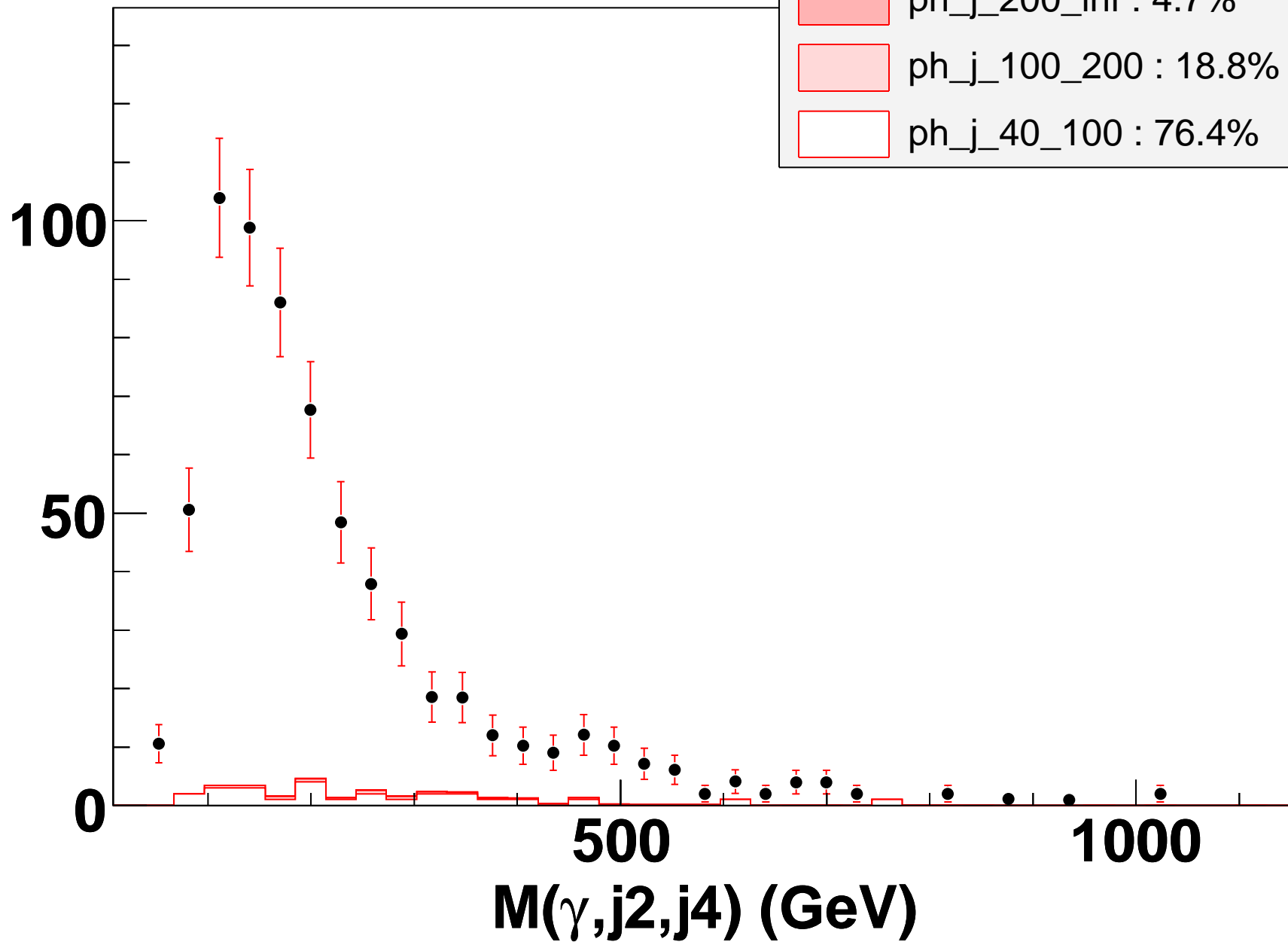
1000

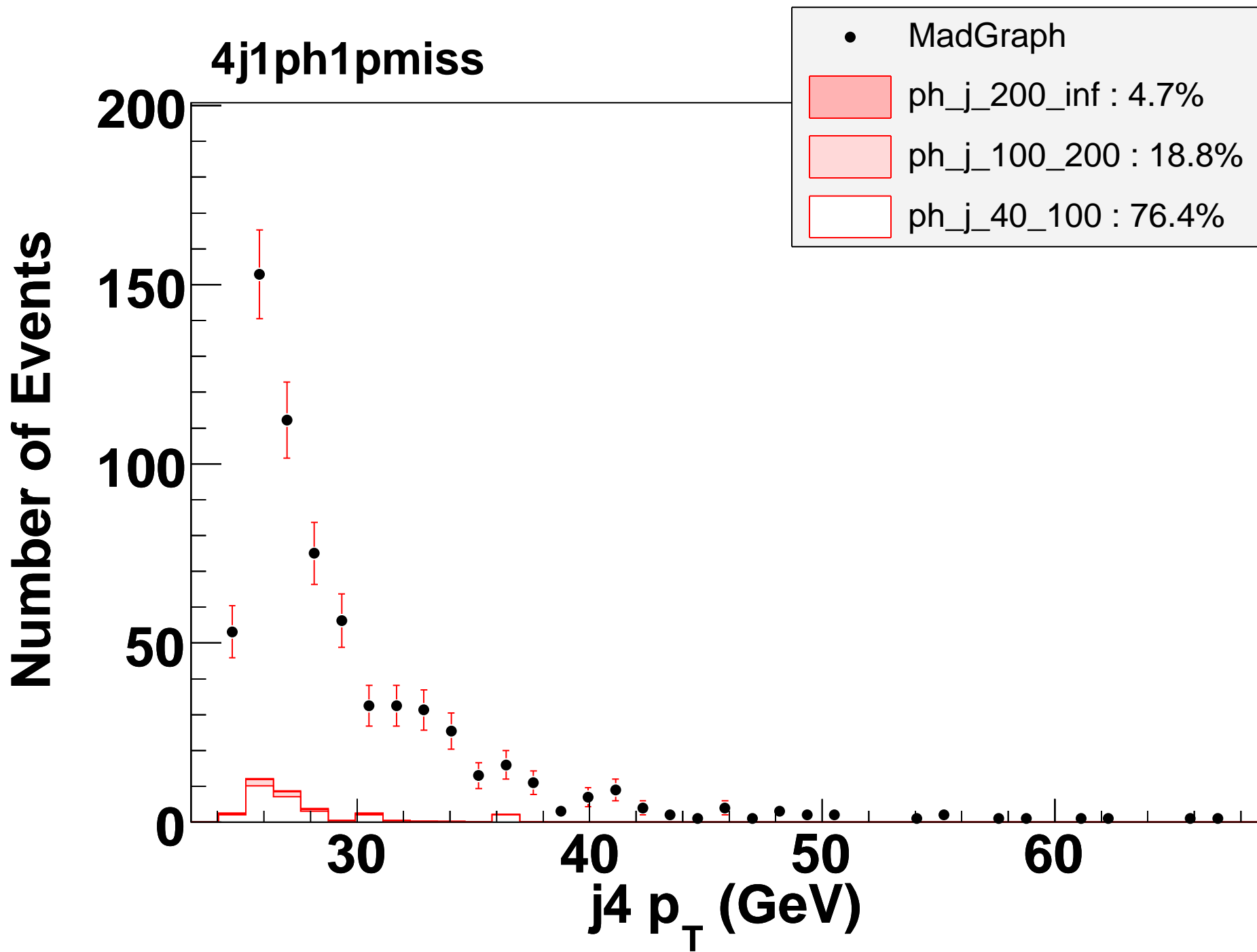
$M(\gamma, j_2, j_3, j_4)$ (GeV)

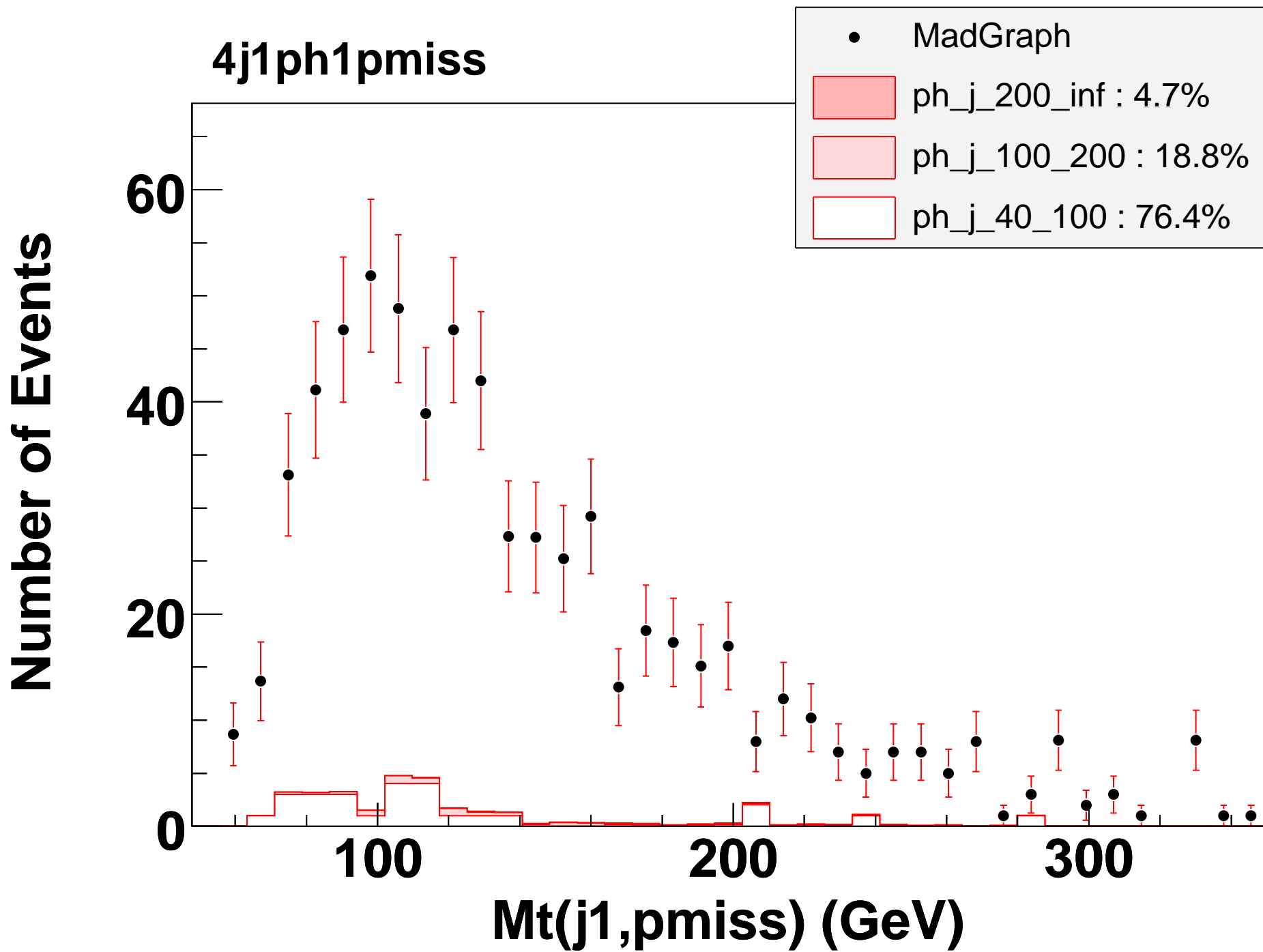


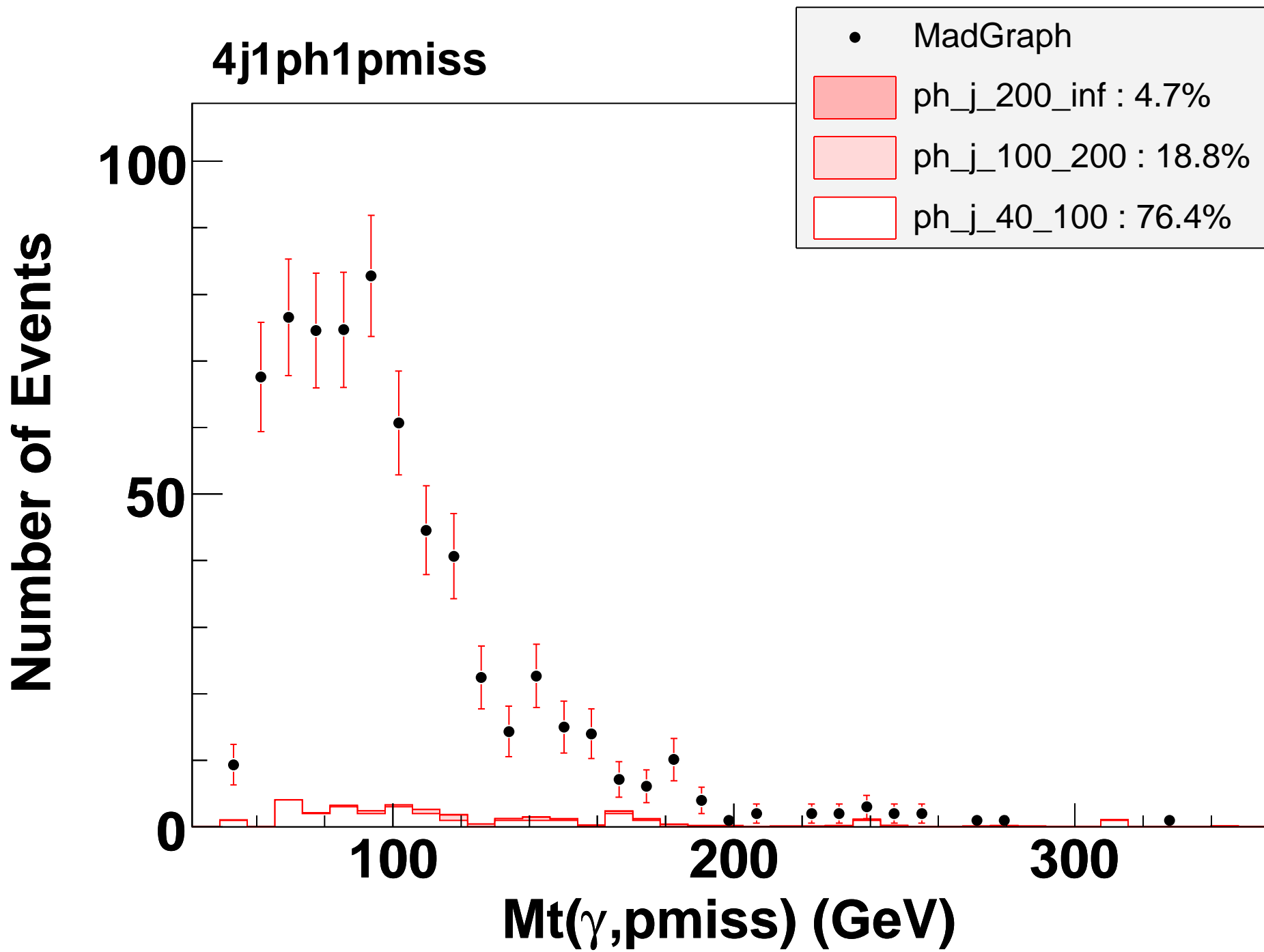
4j1ph1pmiss

Number of Events



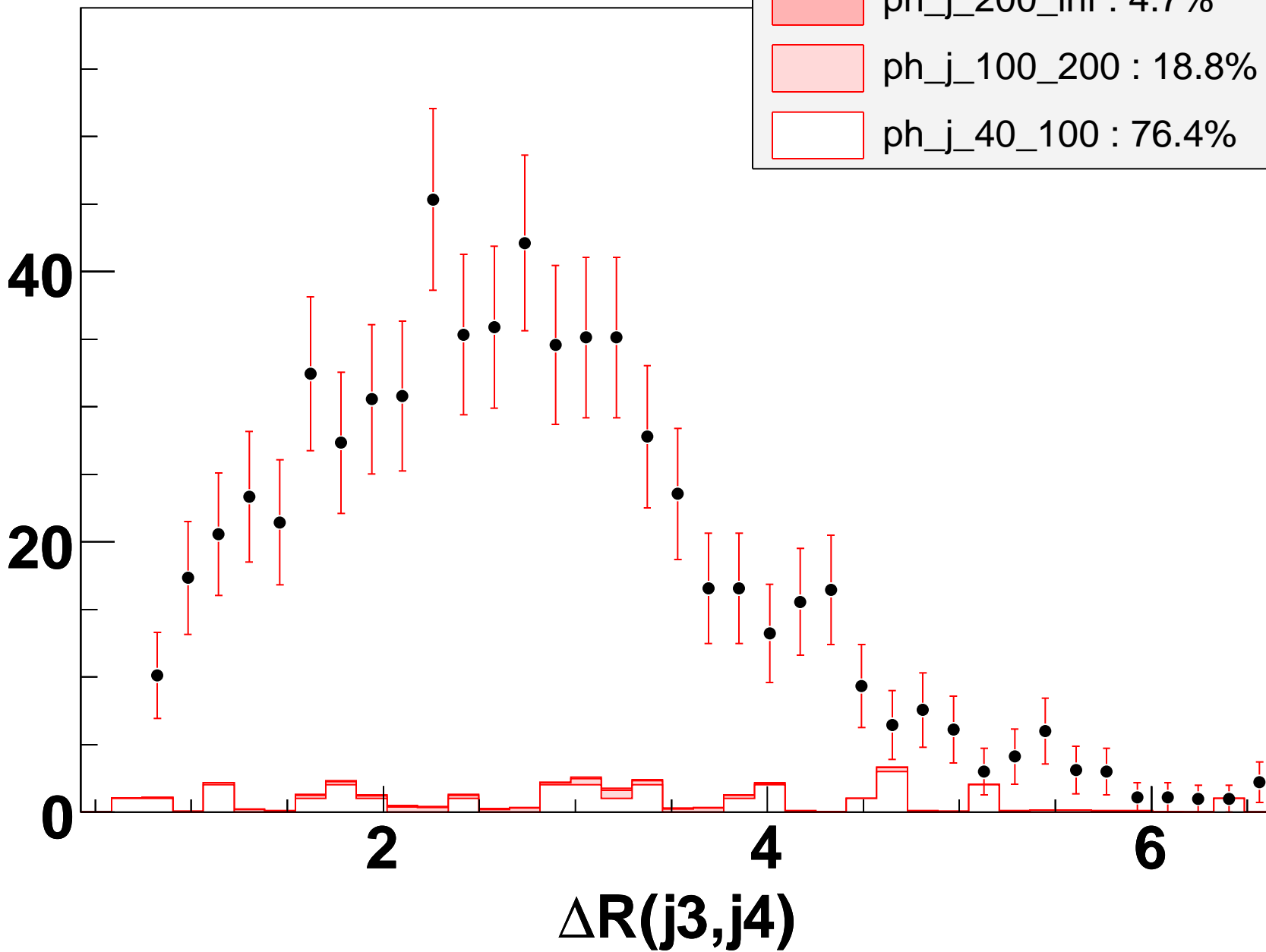






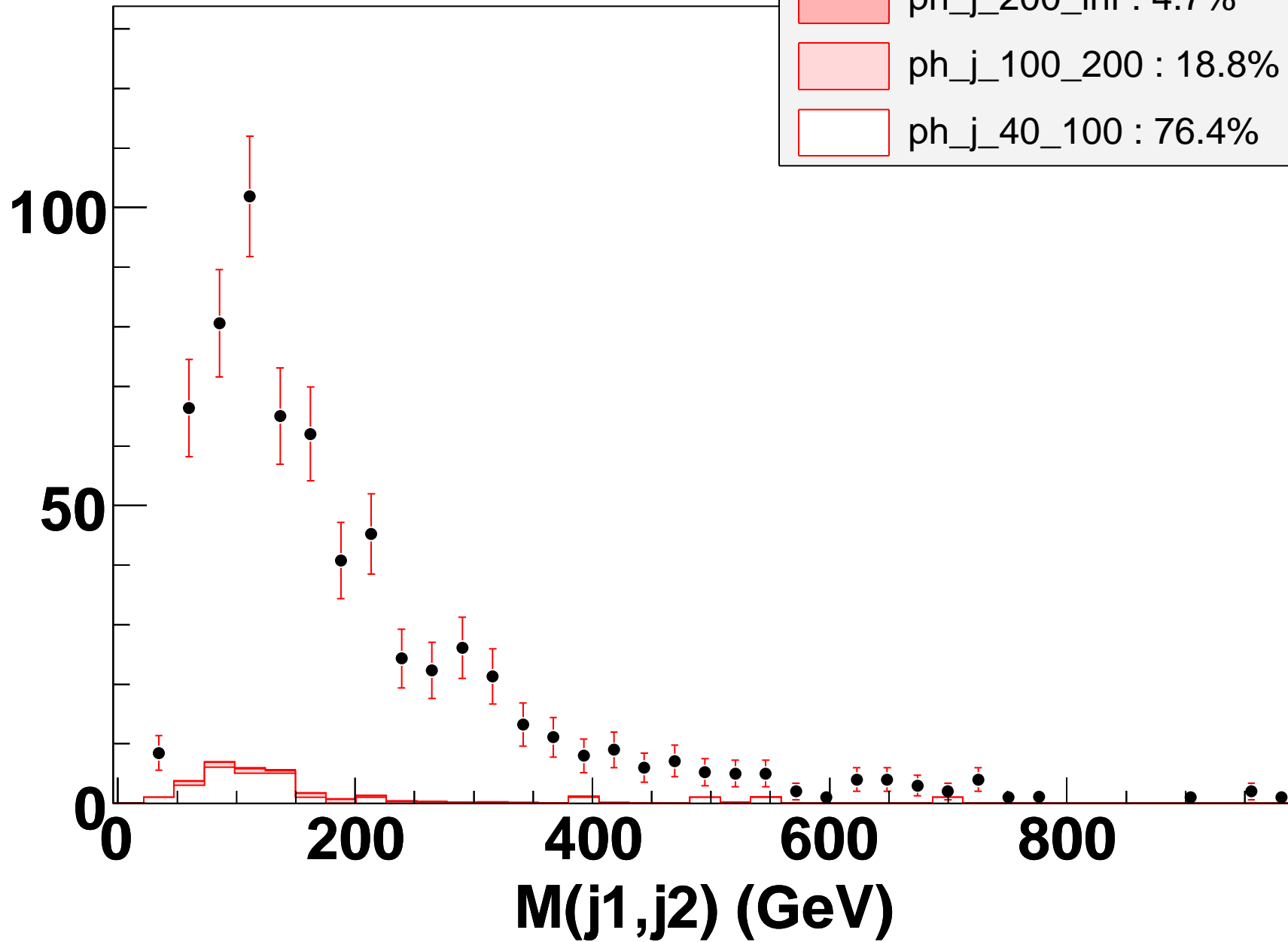
4j1ph1pmiss

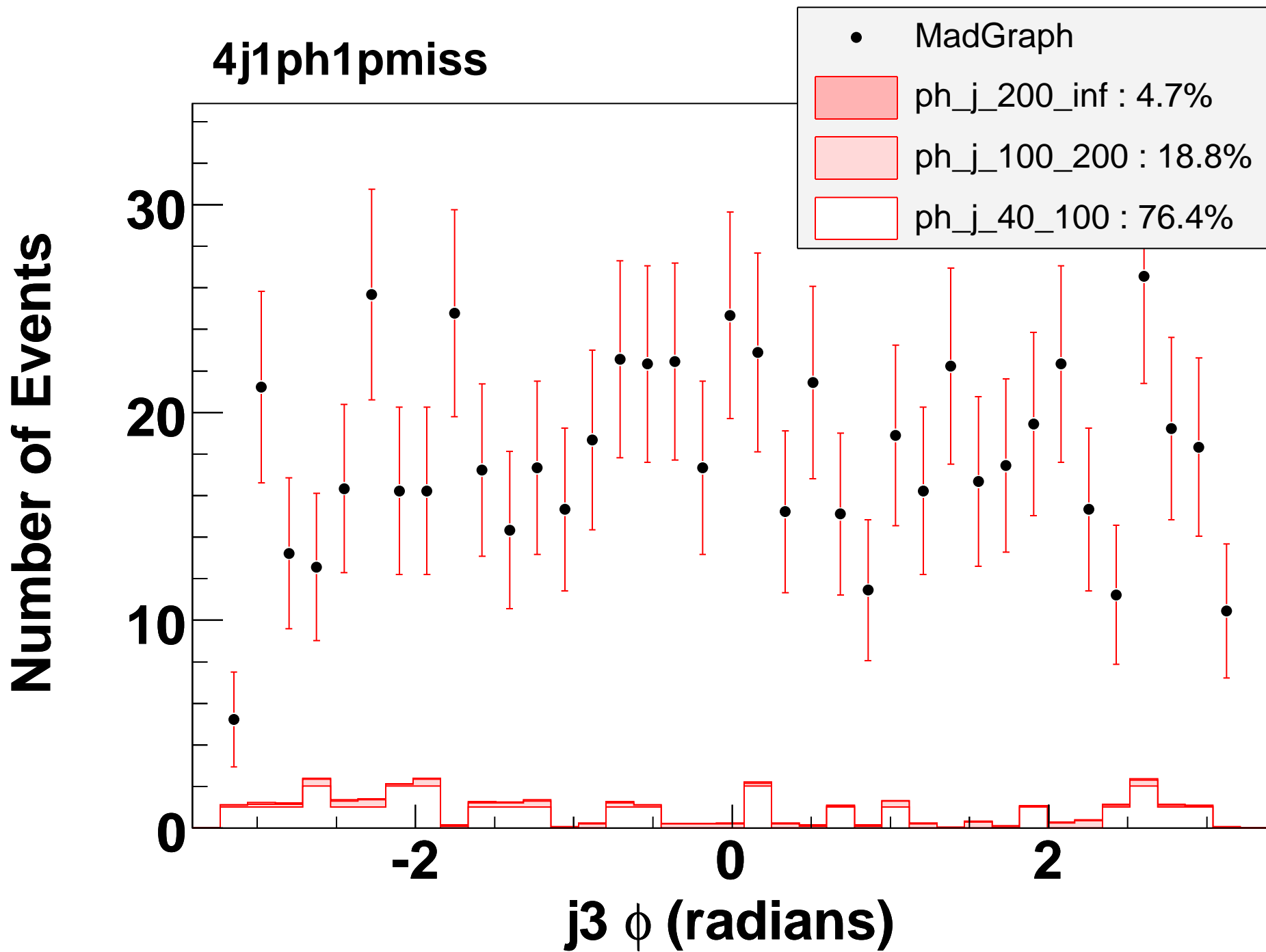
Number of Events

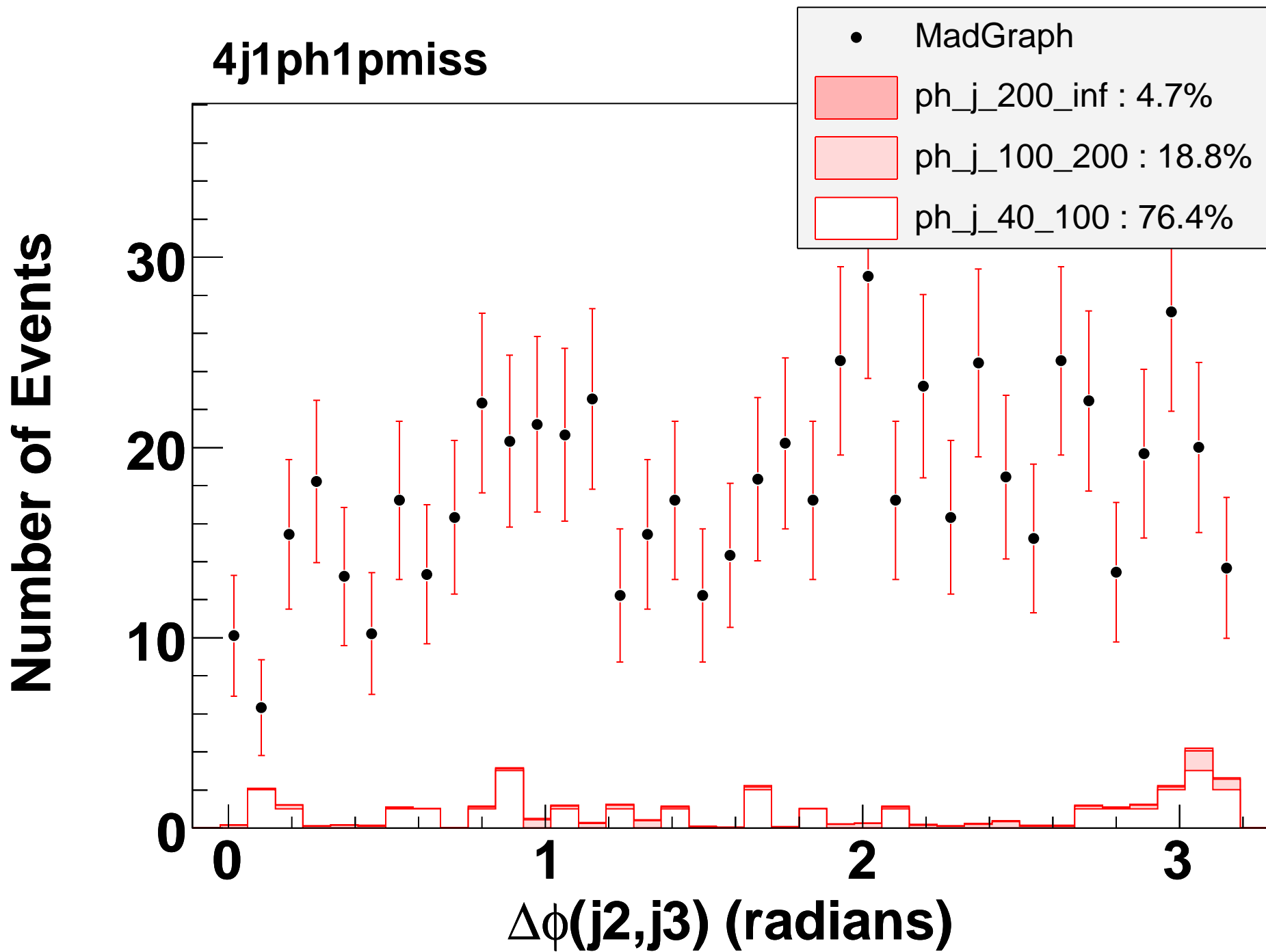


4j1ph1pmiss

Number of Events

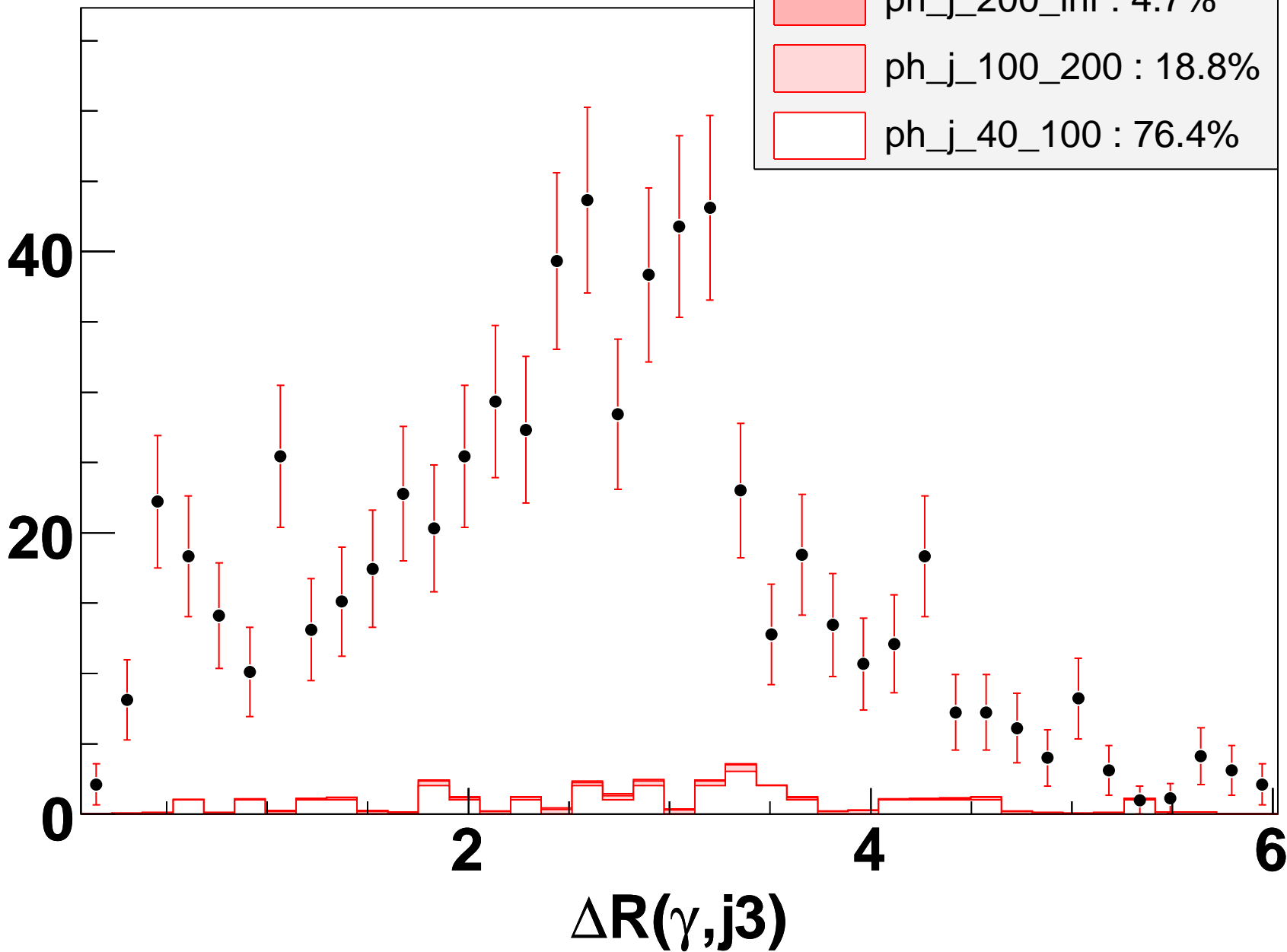


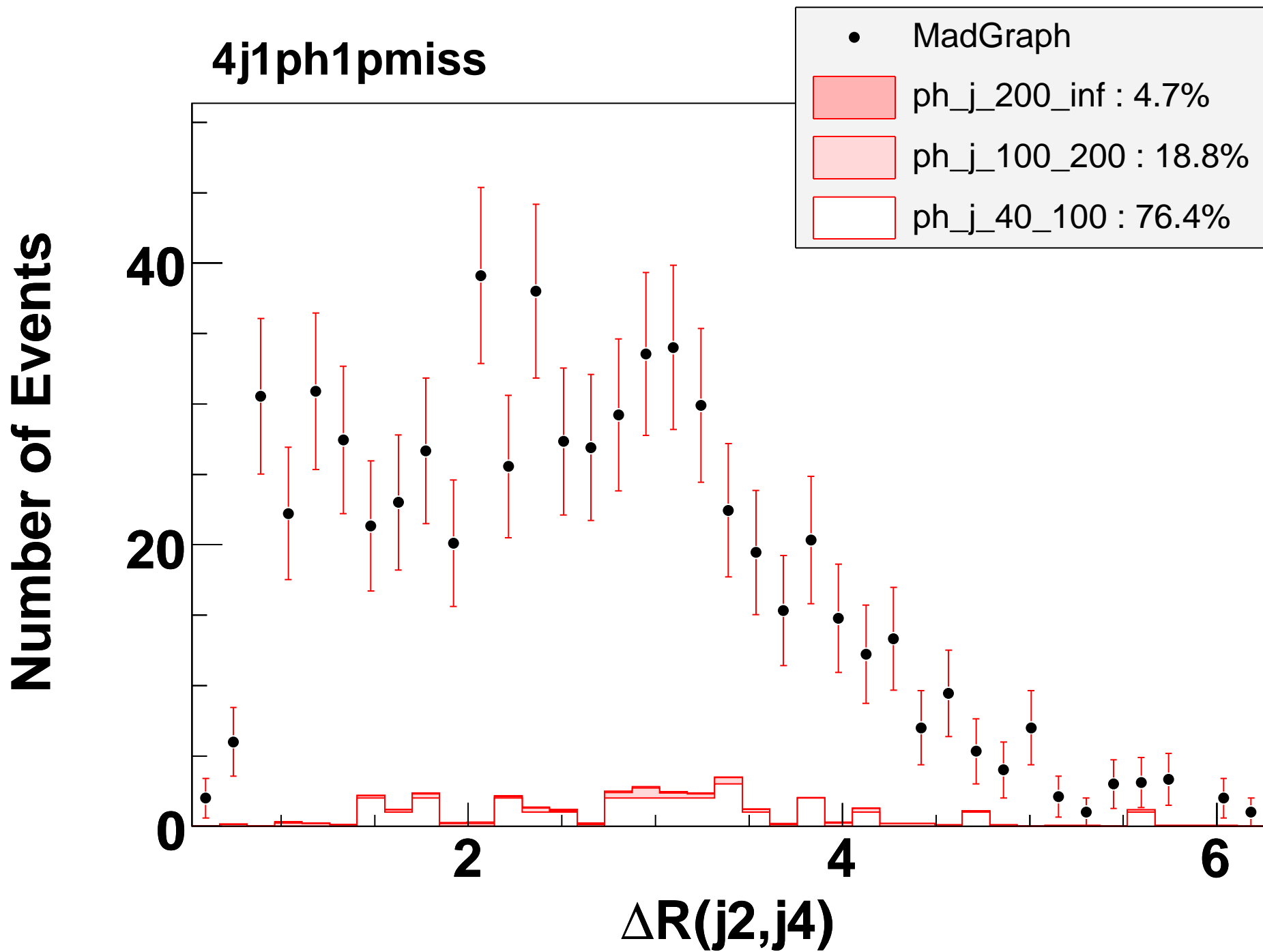




4j1ph1pmiss

Number of Events





4j1ph1pmiss

Number of Events

100
50
0

40

60

80

100

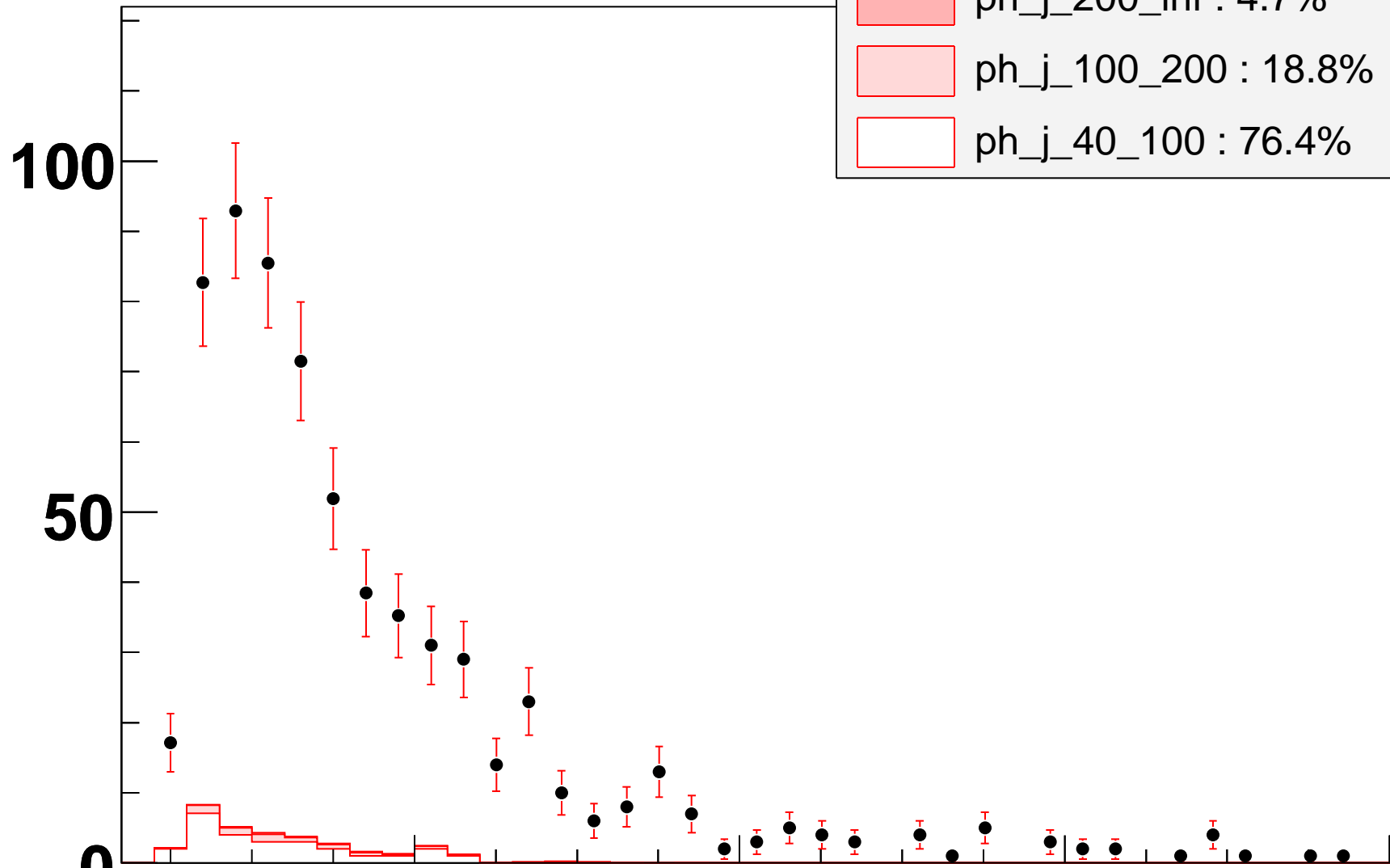
$j_3 p_T$ (GeV)

• MadGraph

ph_j_200_inf : 4.7%

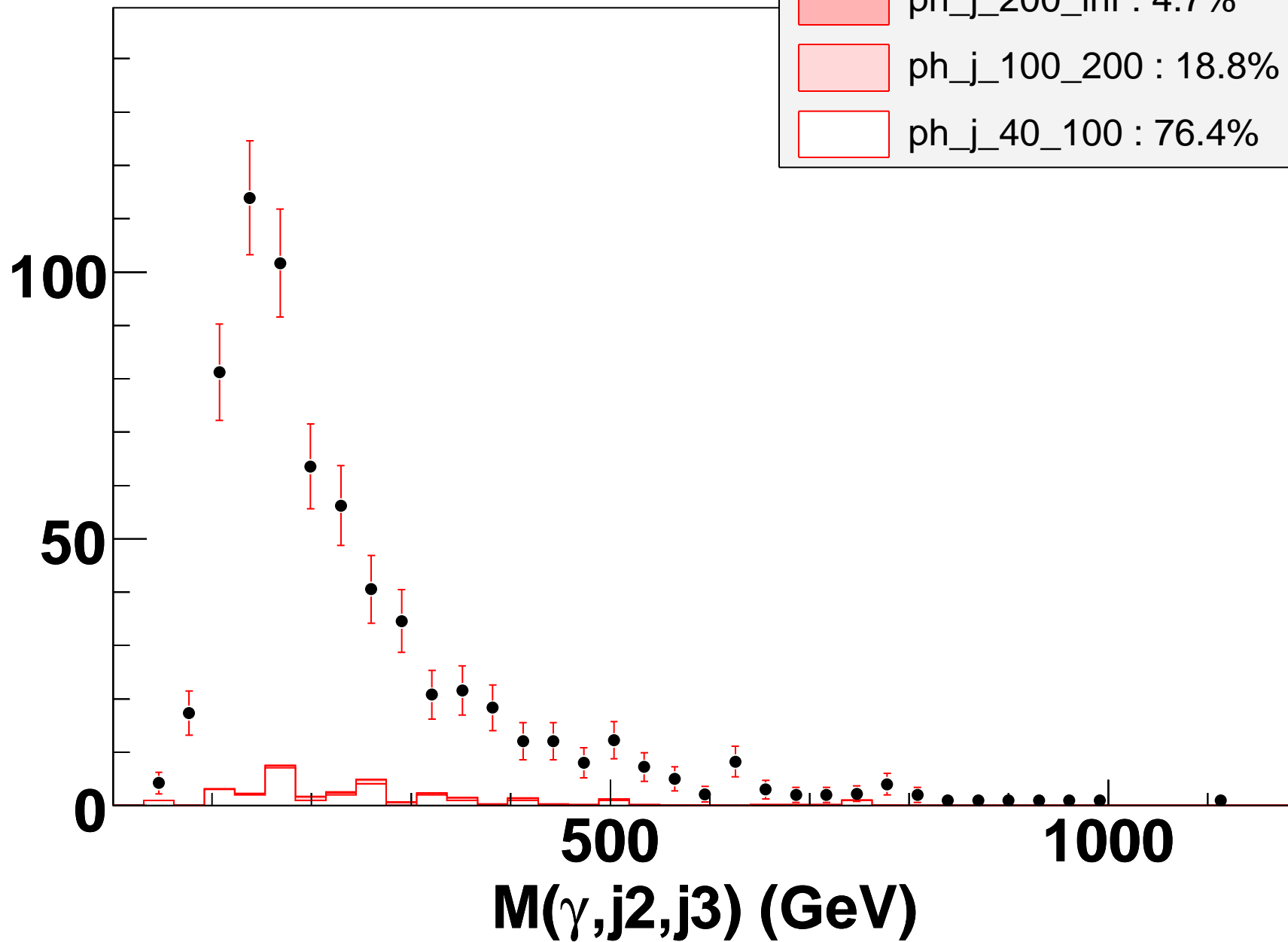
ph_j_100_200 : 18.8%

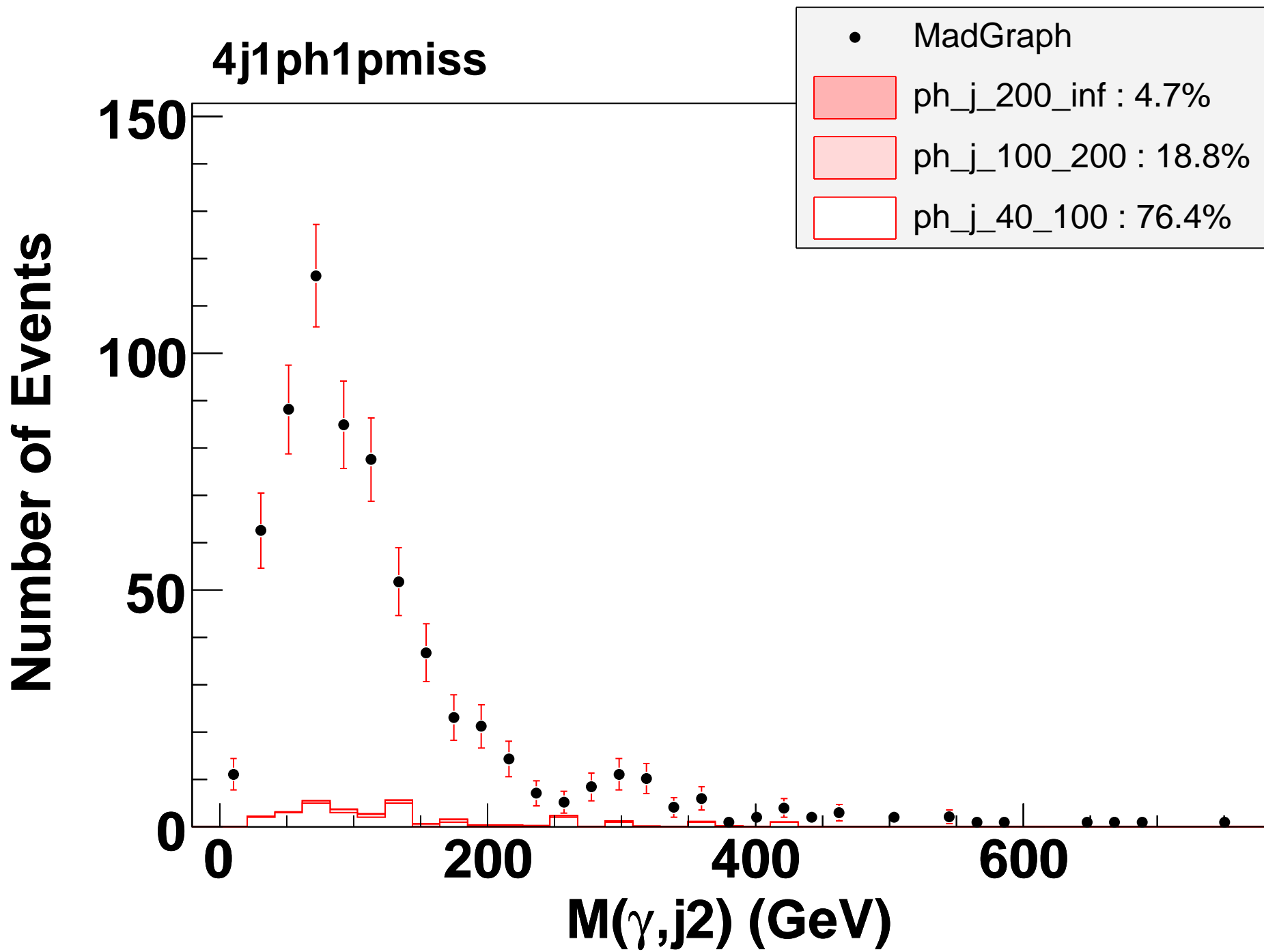
ph_j_40_100 : 76.4%

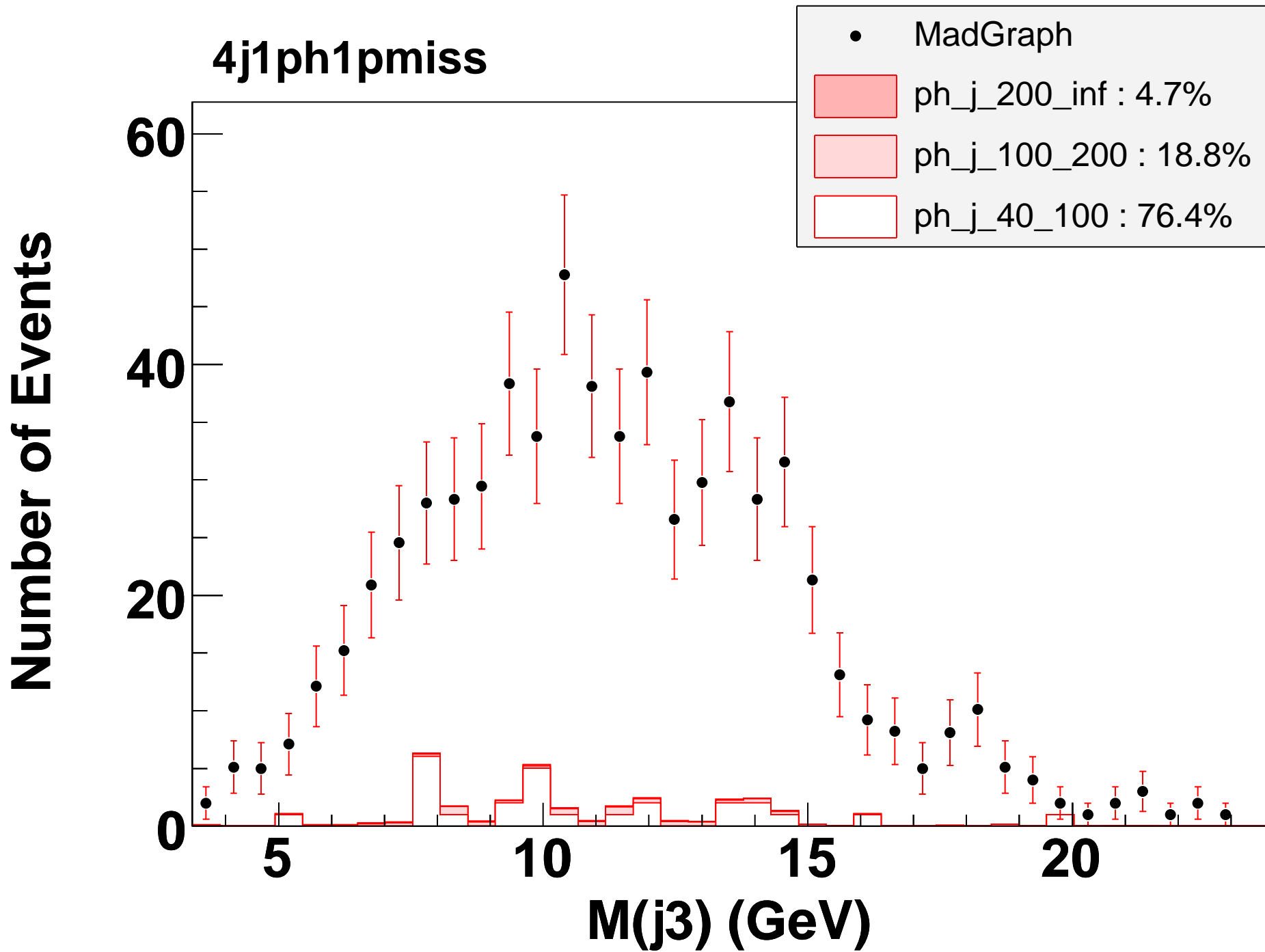


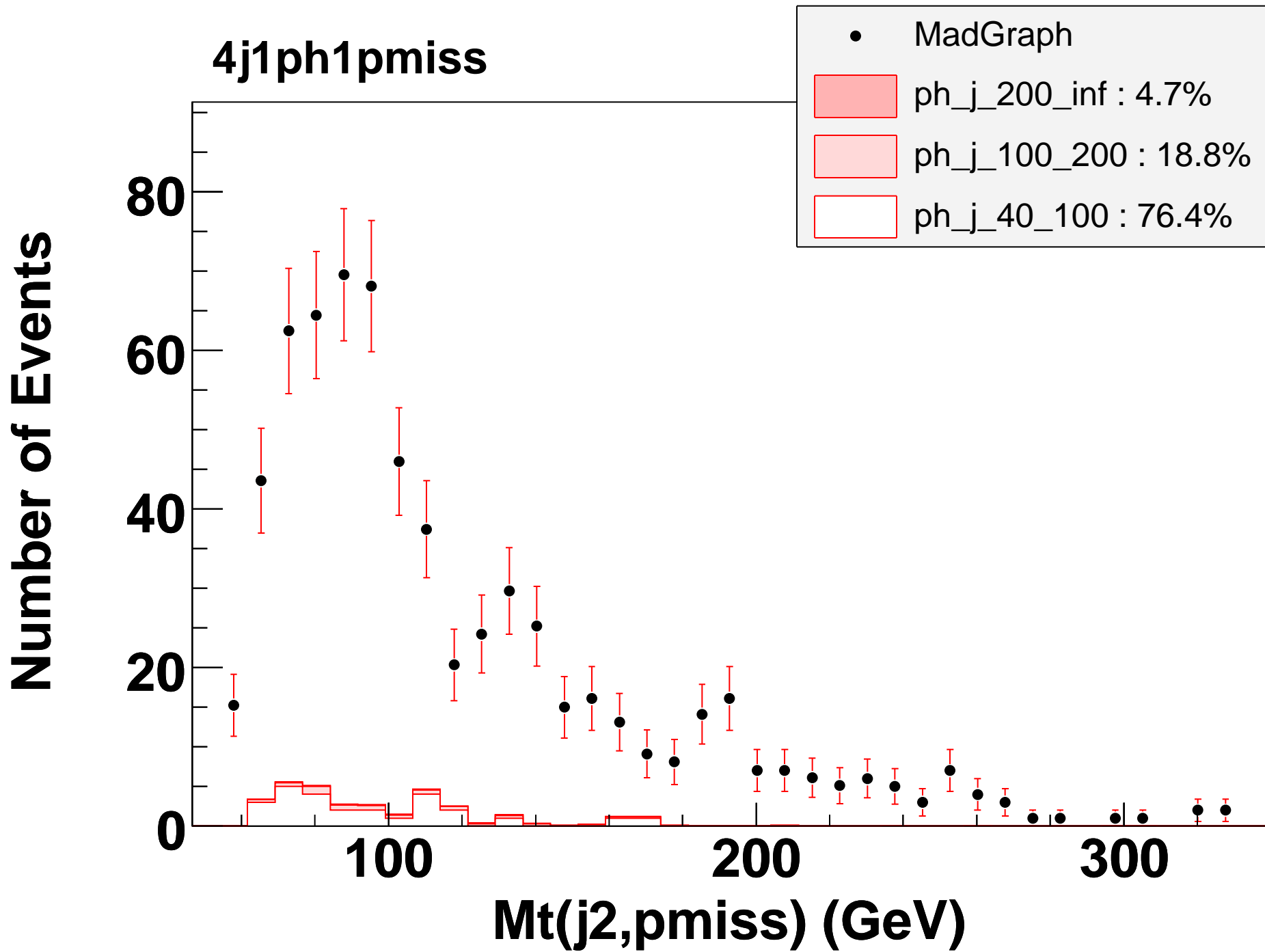
4j1ph1pmiss

Number of Events



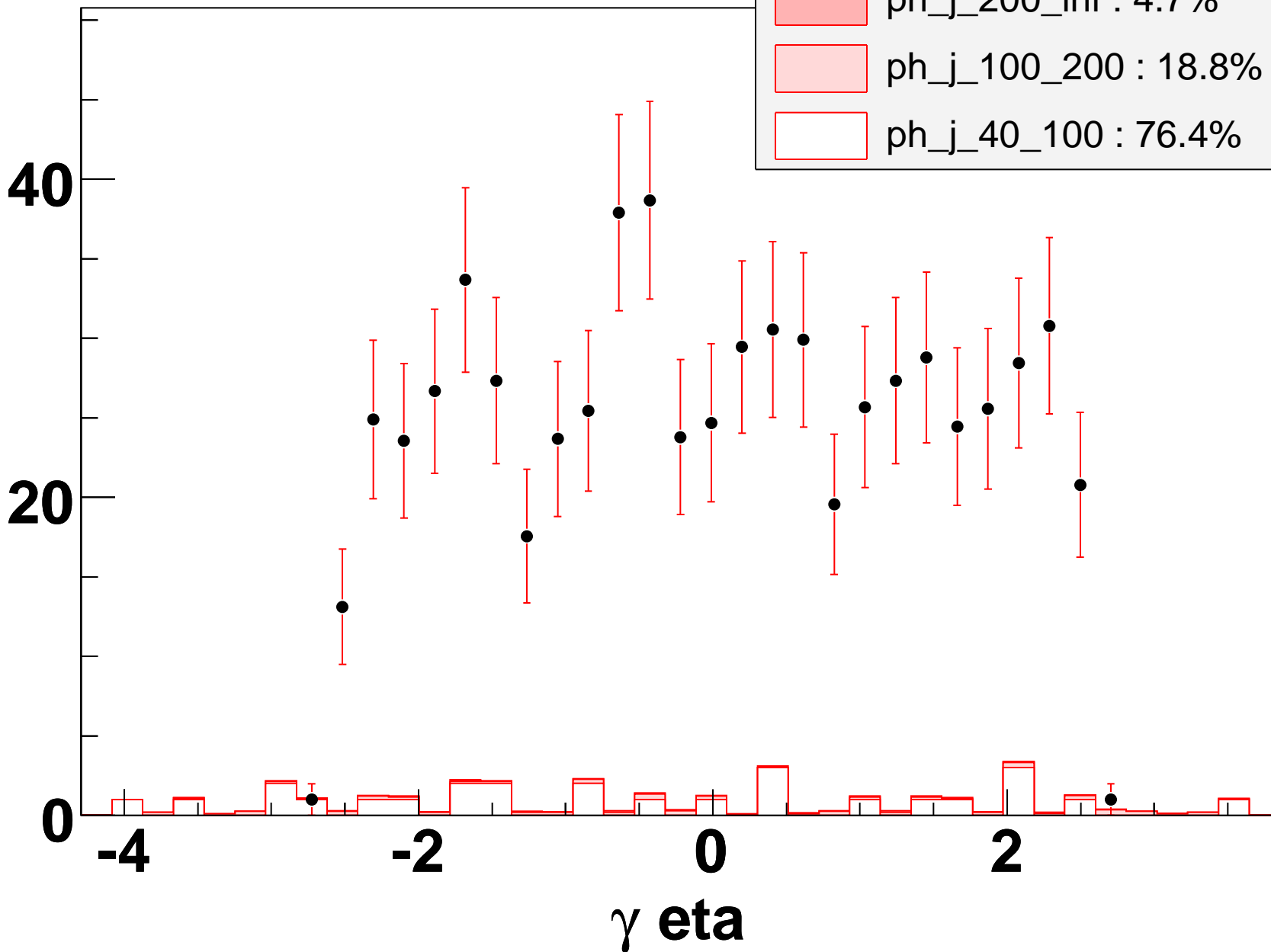






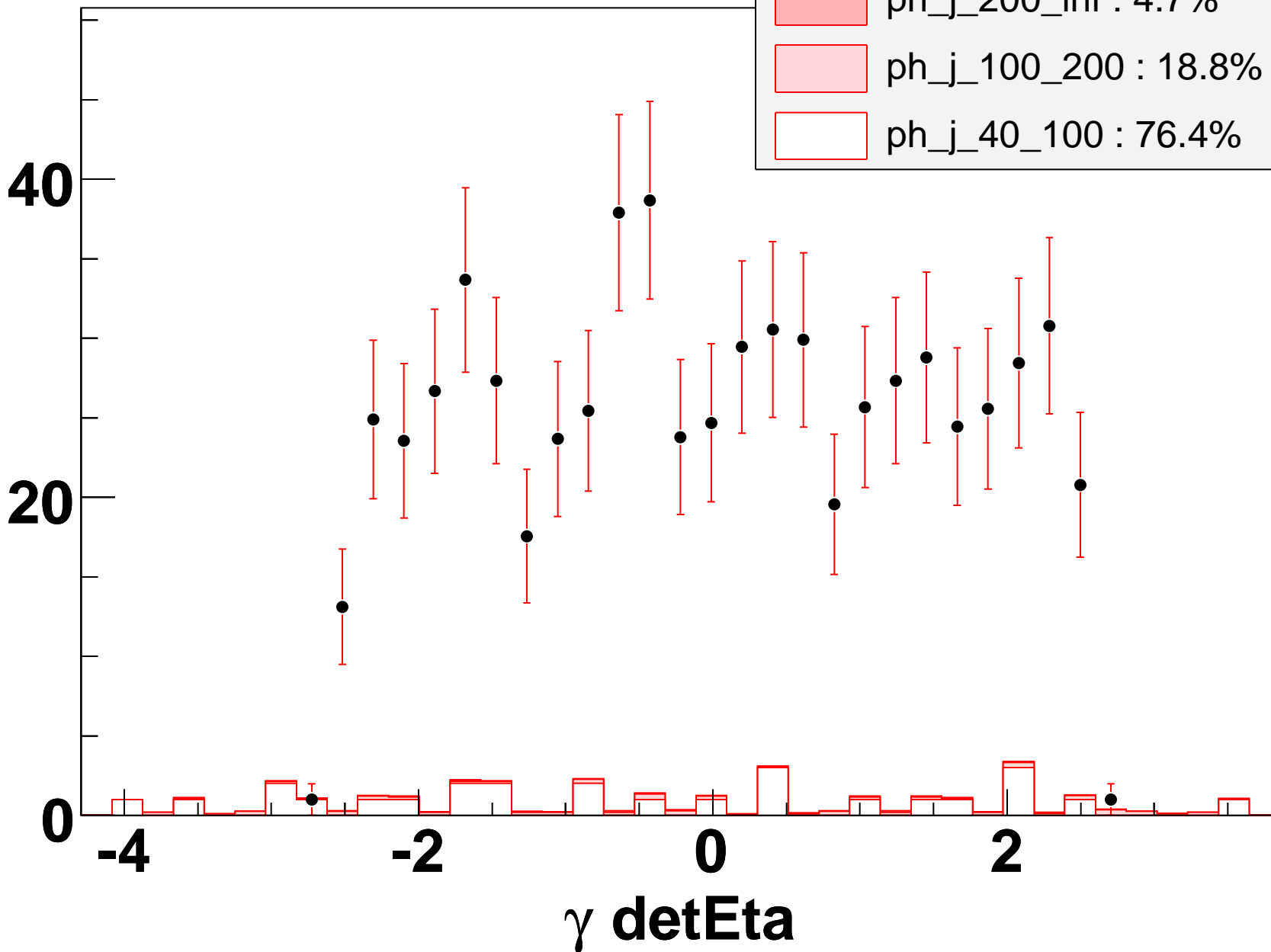
4j1ph1pmiss

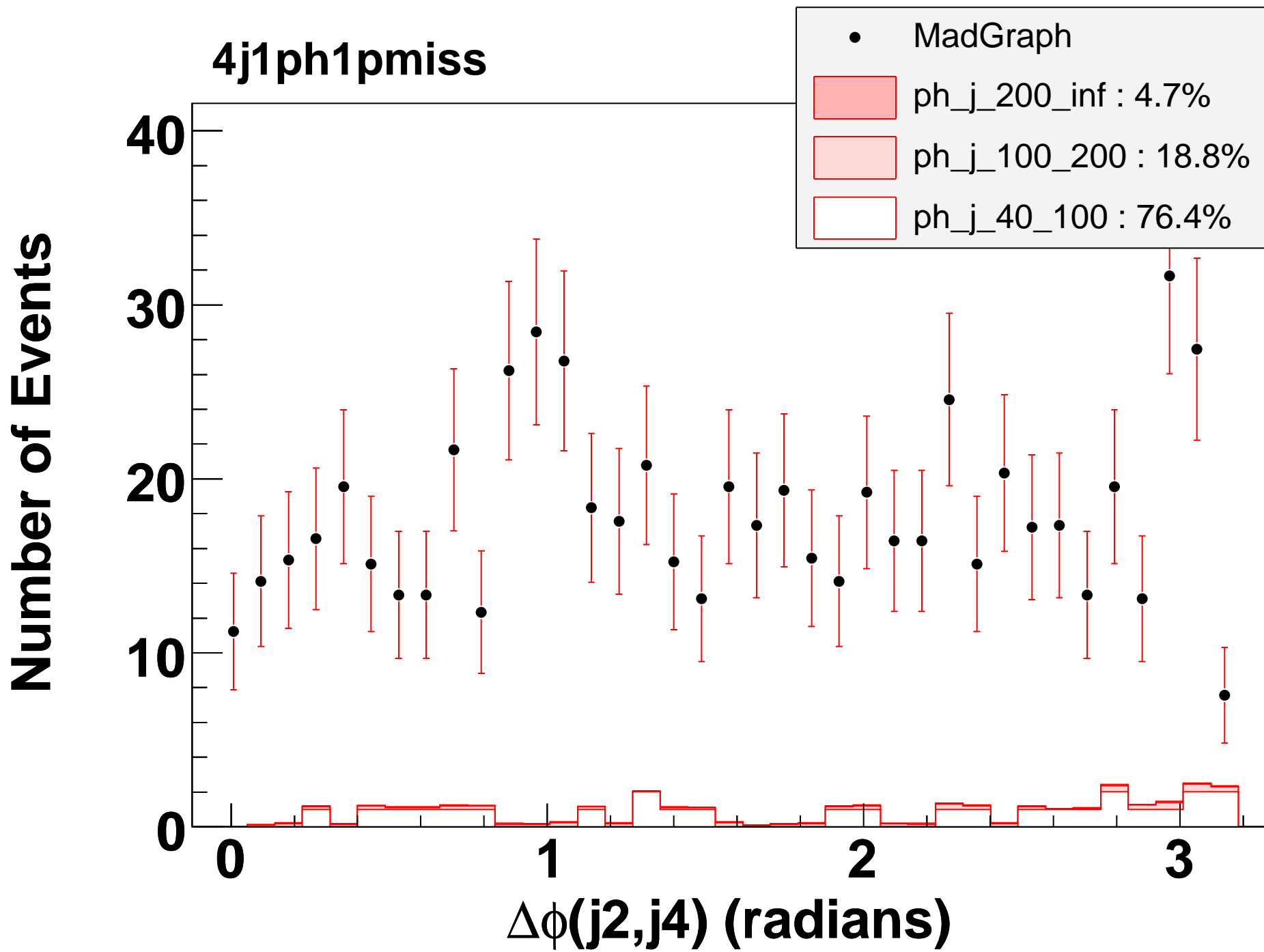
Number of Events



4j1ph1pmiss

Number of Events





4j1ph1pmiss

Number of Events

100

50

0

500

1000

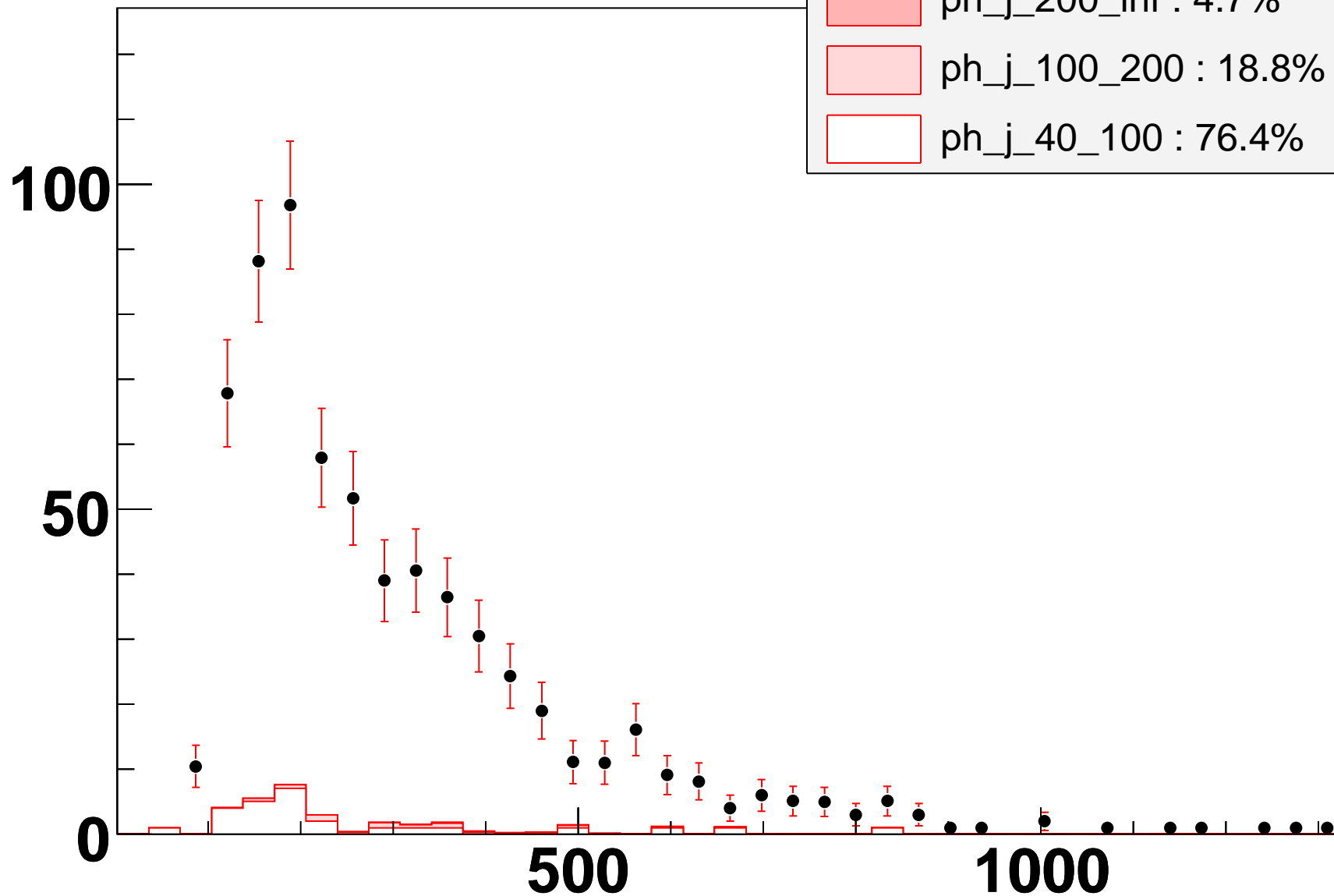
$M(\gamma, j1, j2)$ (GeV)

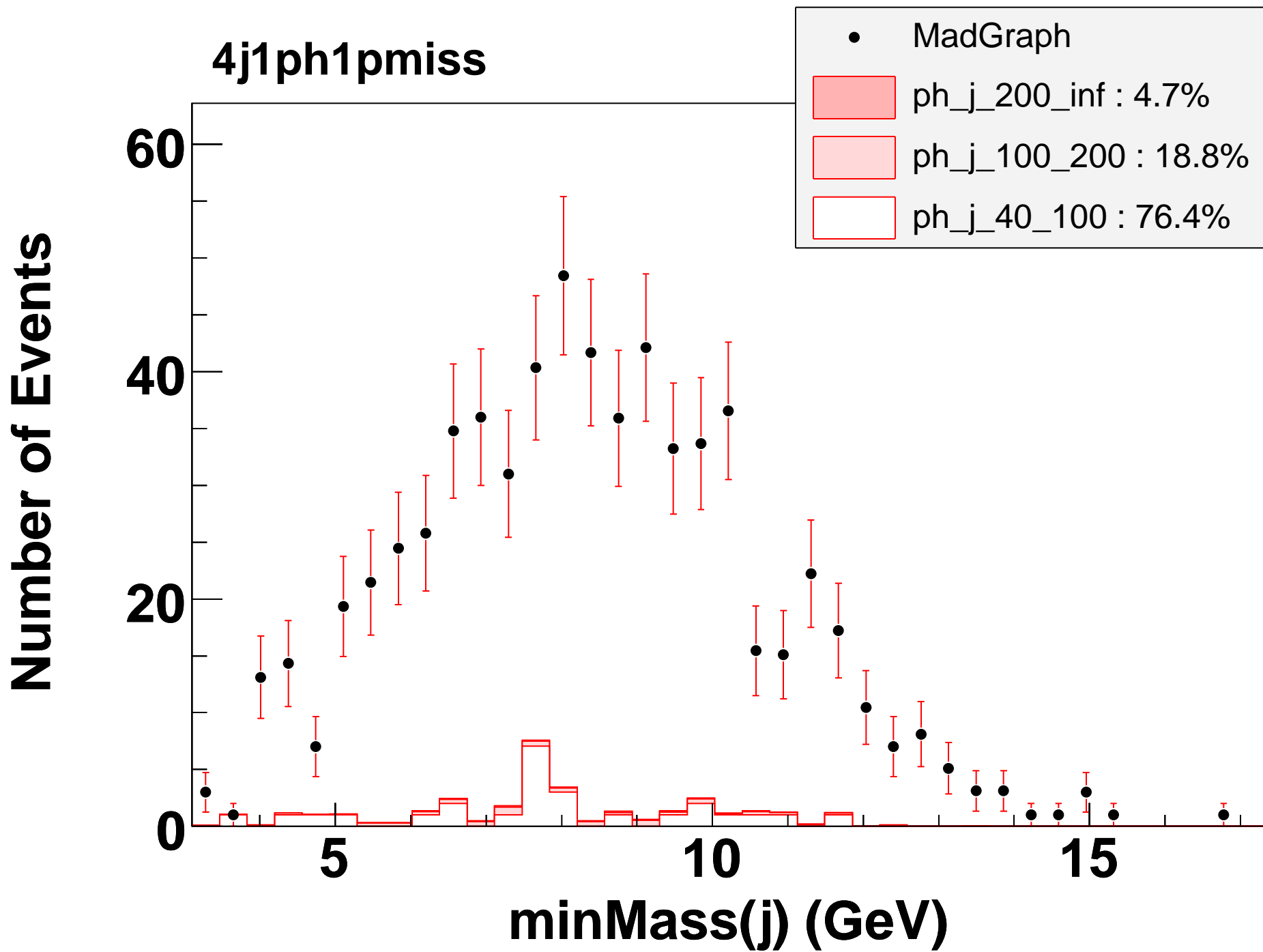
• MadGraph

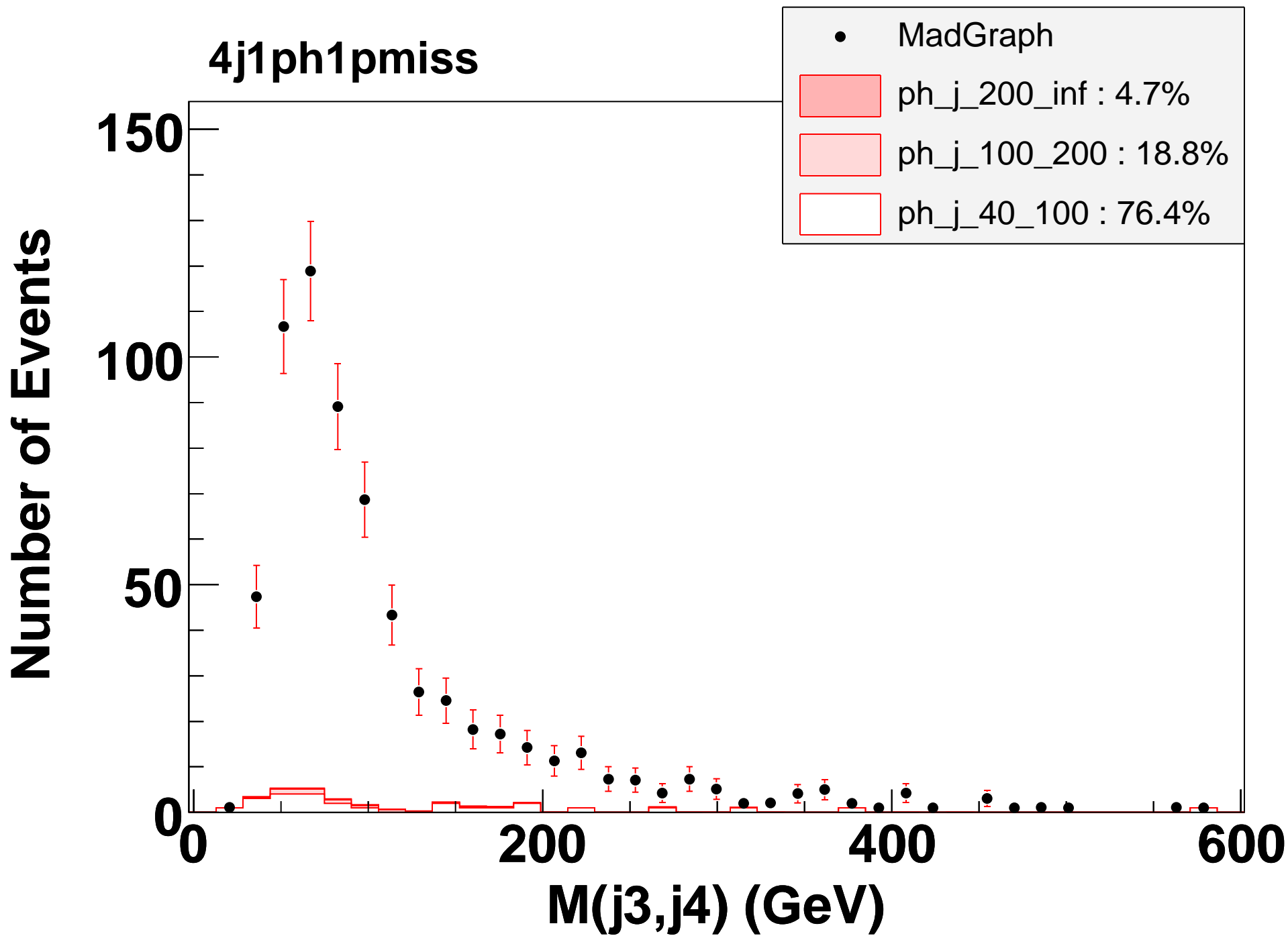
ph_j_200_inf : 4.7%

ph_j_100_200 : 18.8%

ph_j_40_100 : 76.4%

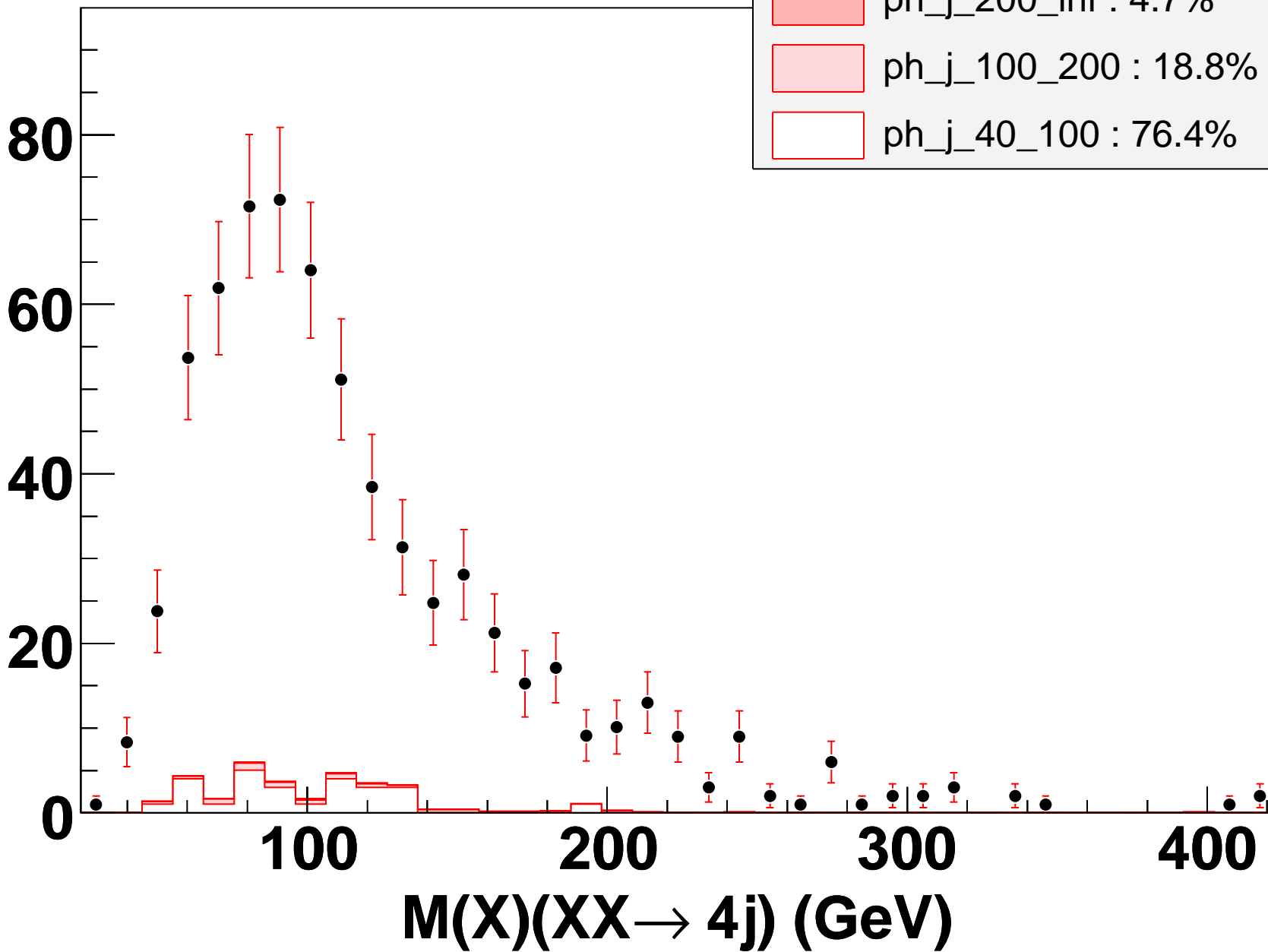


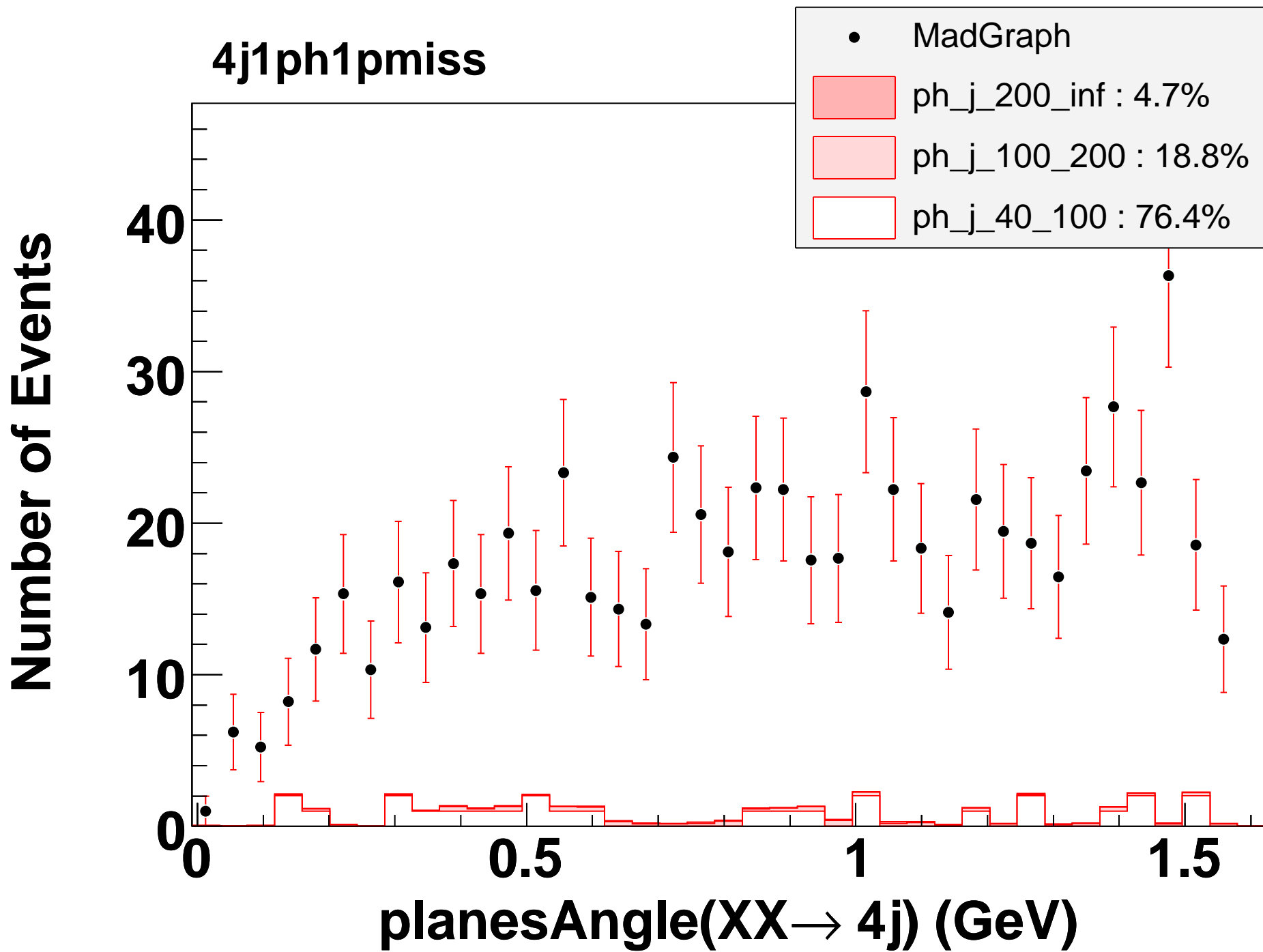


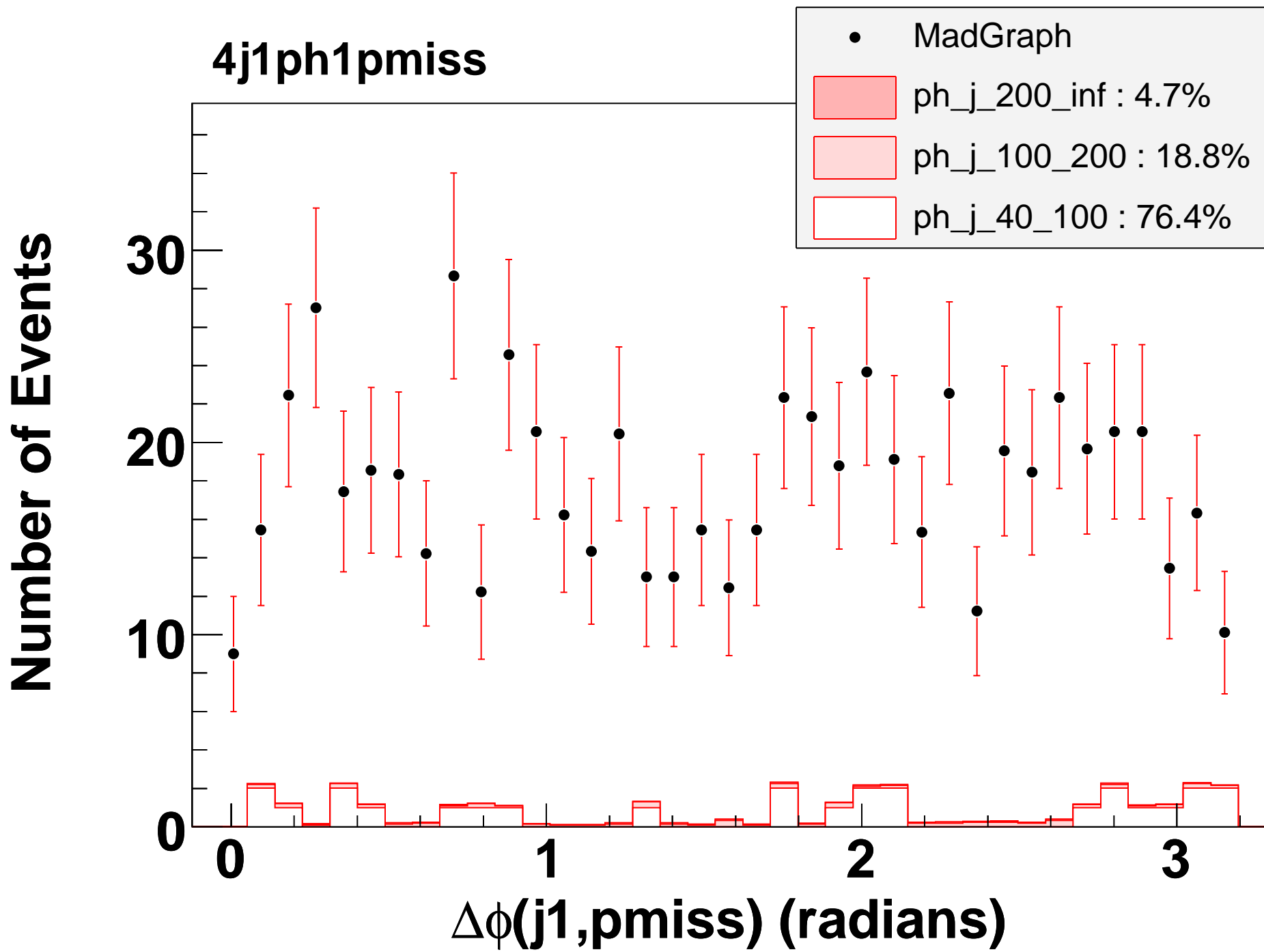


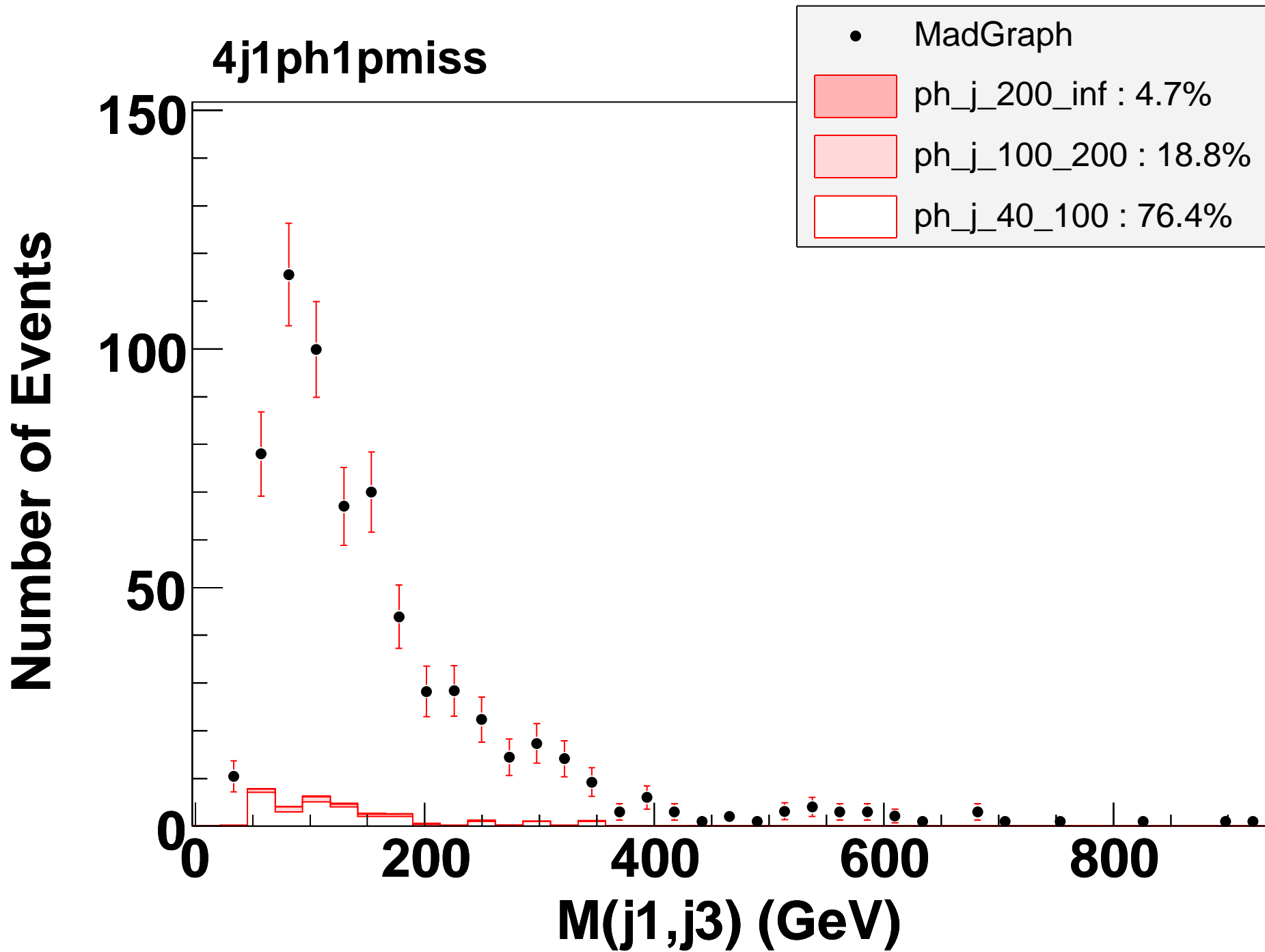
4j1ph1pmiss

Number of Events









4j1ph1pmiss

Number of Events

30
20
10
0

-2

0

2

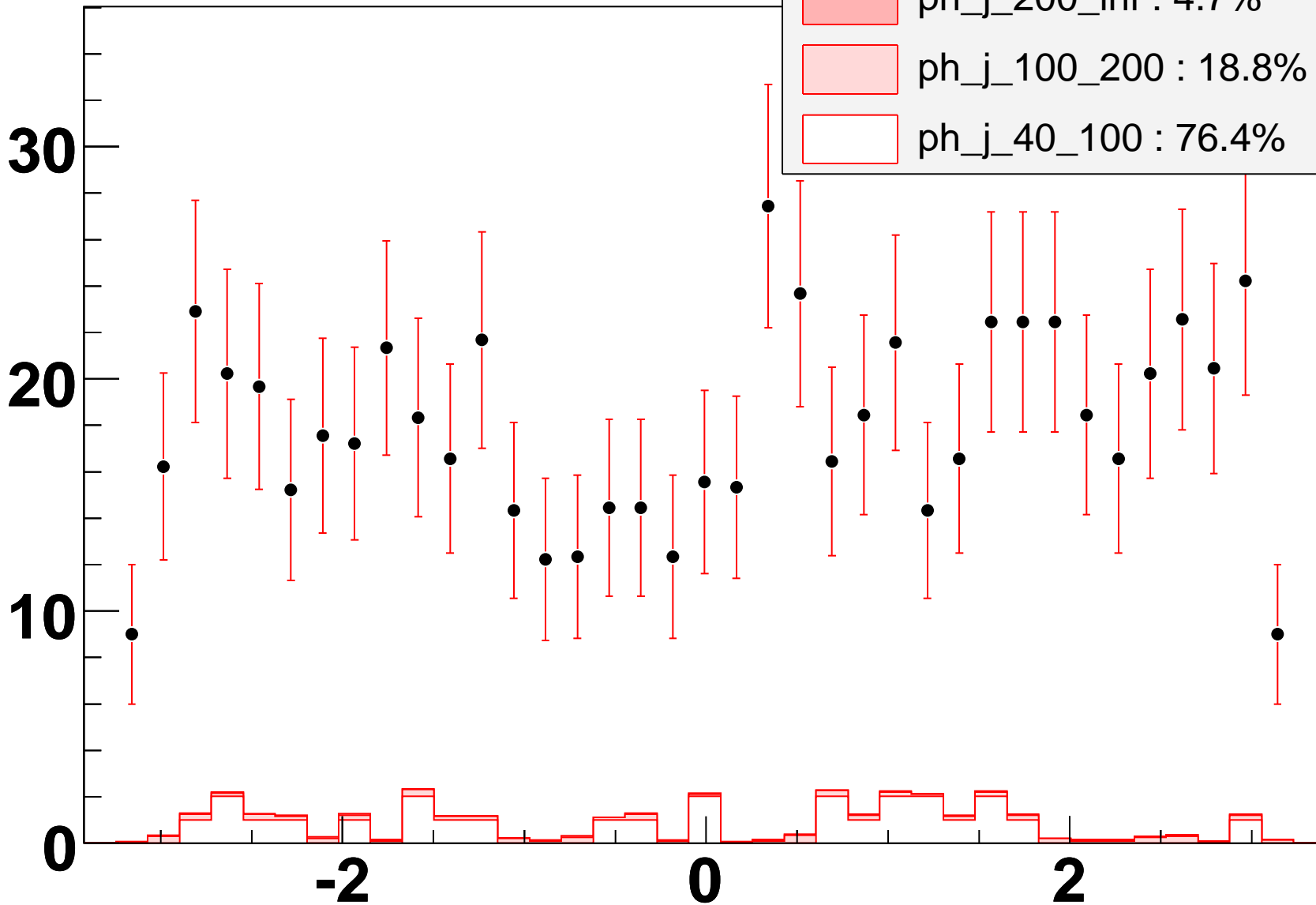
$j_2 \phi$ (radians)

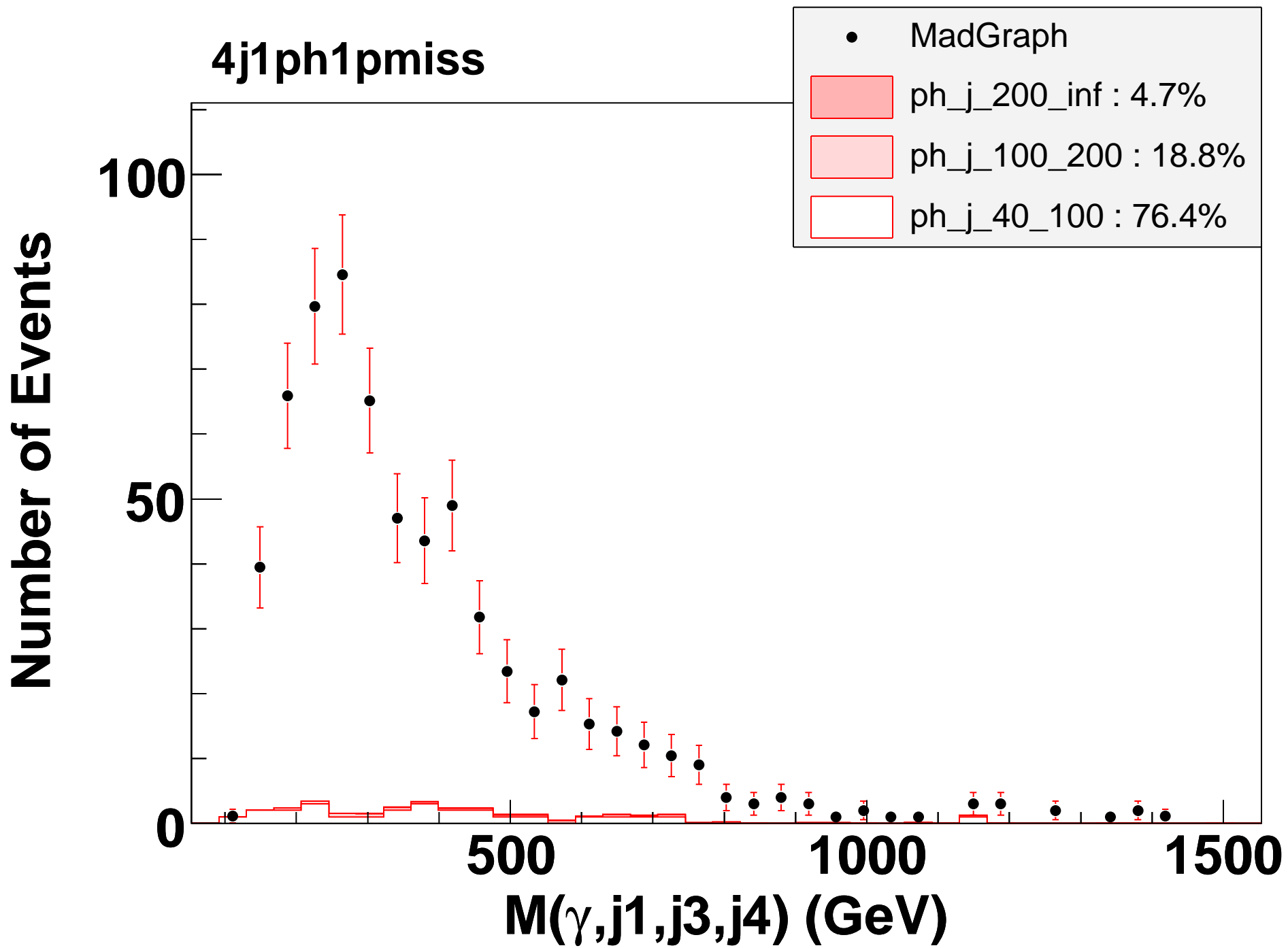
• MadGraph

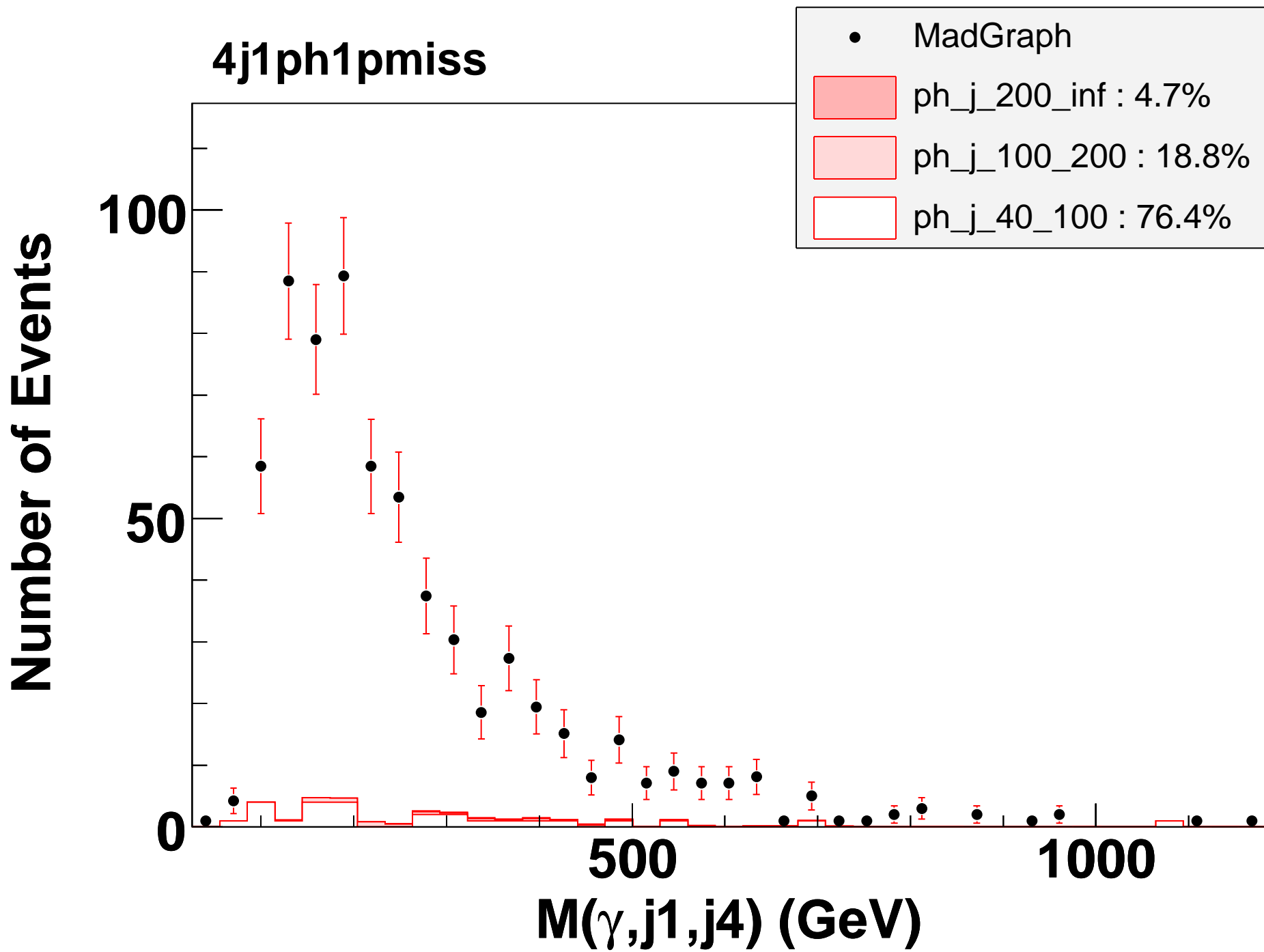
ph_j_200_inf : 4.7%

ph_j_100_200 : 18.8%

ph_j_40_100 : 76.4%

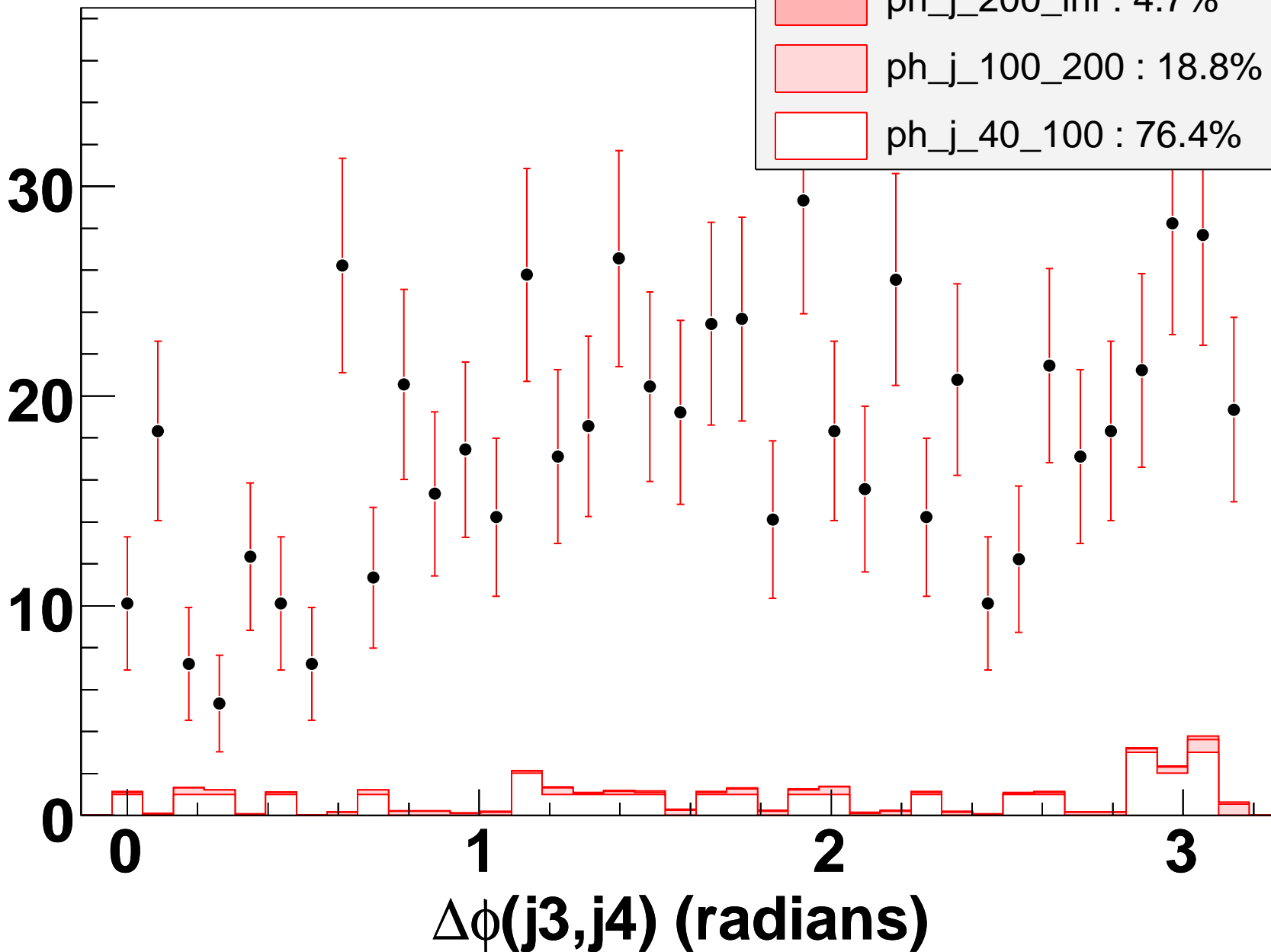






4j1ph1pmiss

Number of Events



4j1ph1pmiss

Number of Events

150

100

50

0

0

200

400

600

800

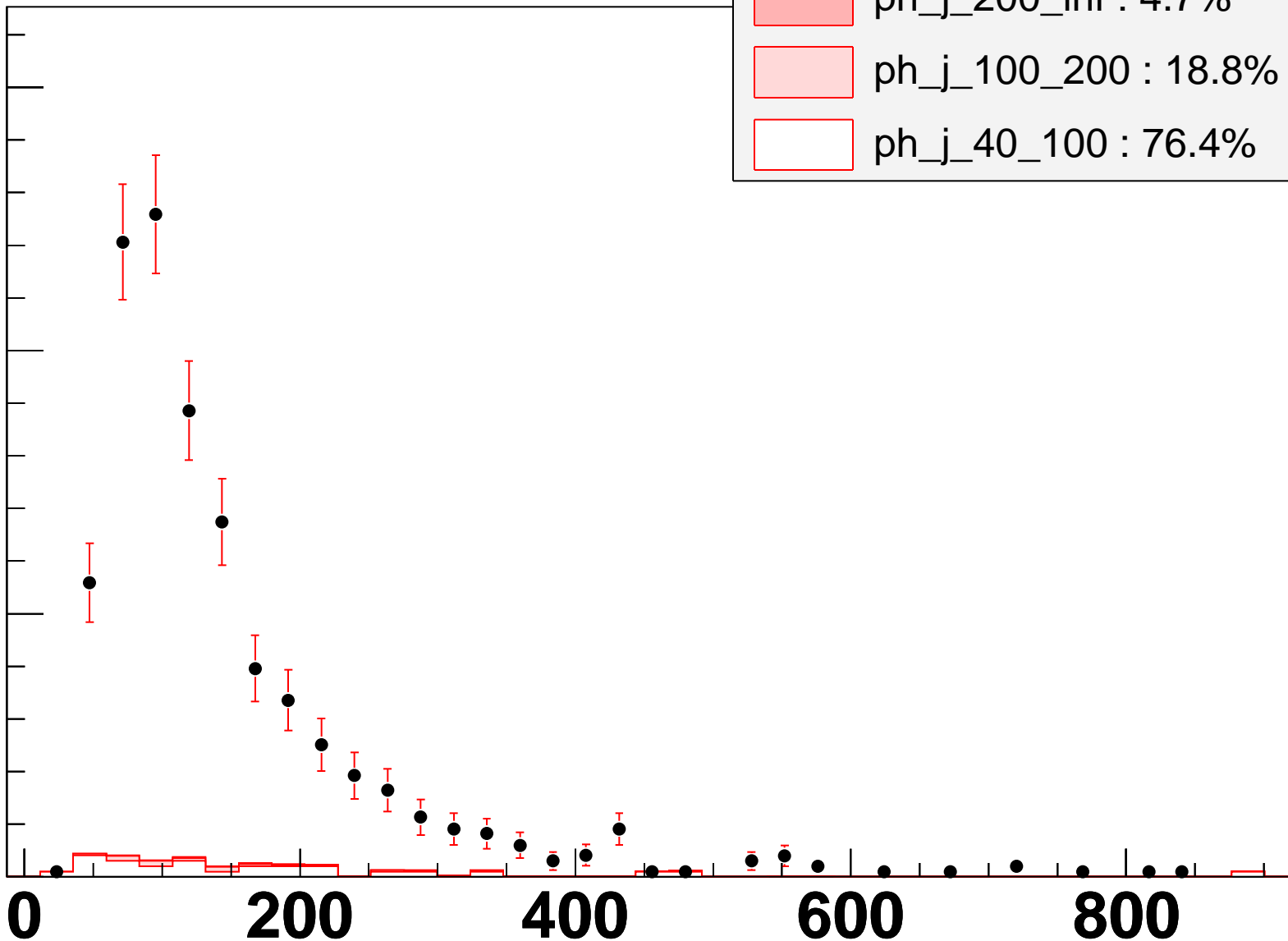
M(j1,j4) (GeV)

• MadGraph

ph_j_200_inf : 4.7%

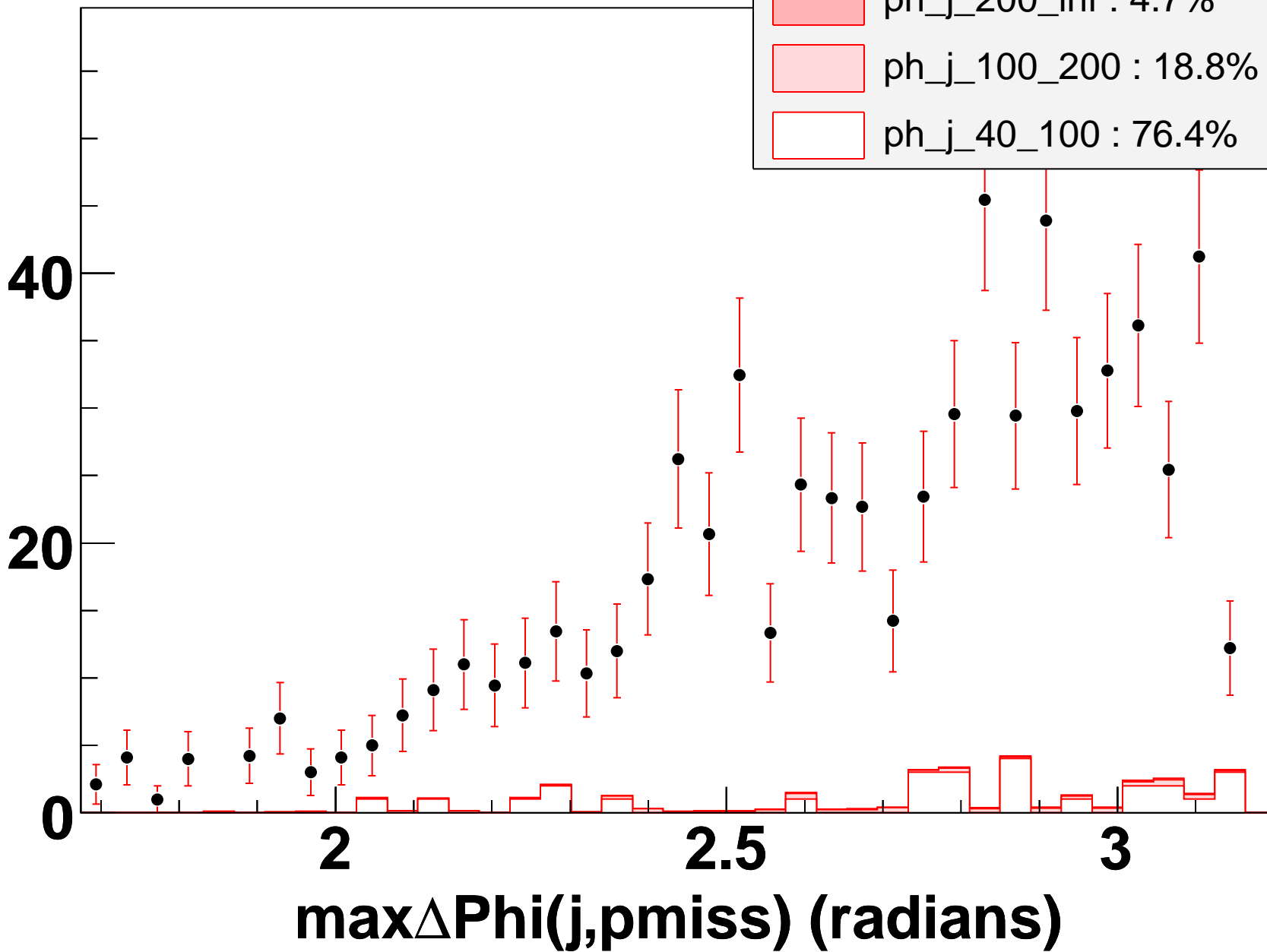
ph_j_100_200 : 18.8%

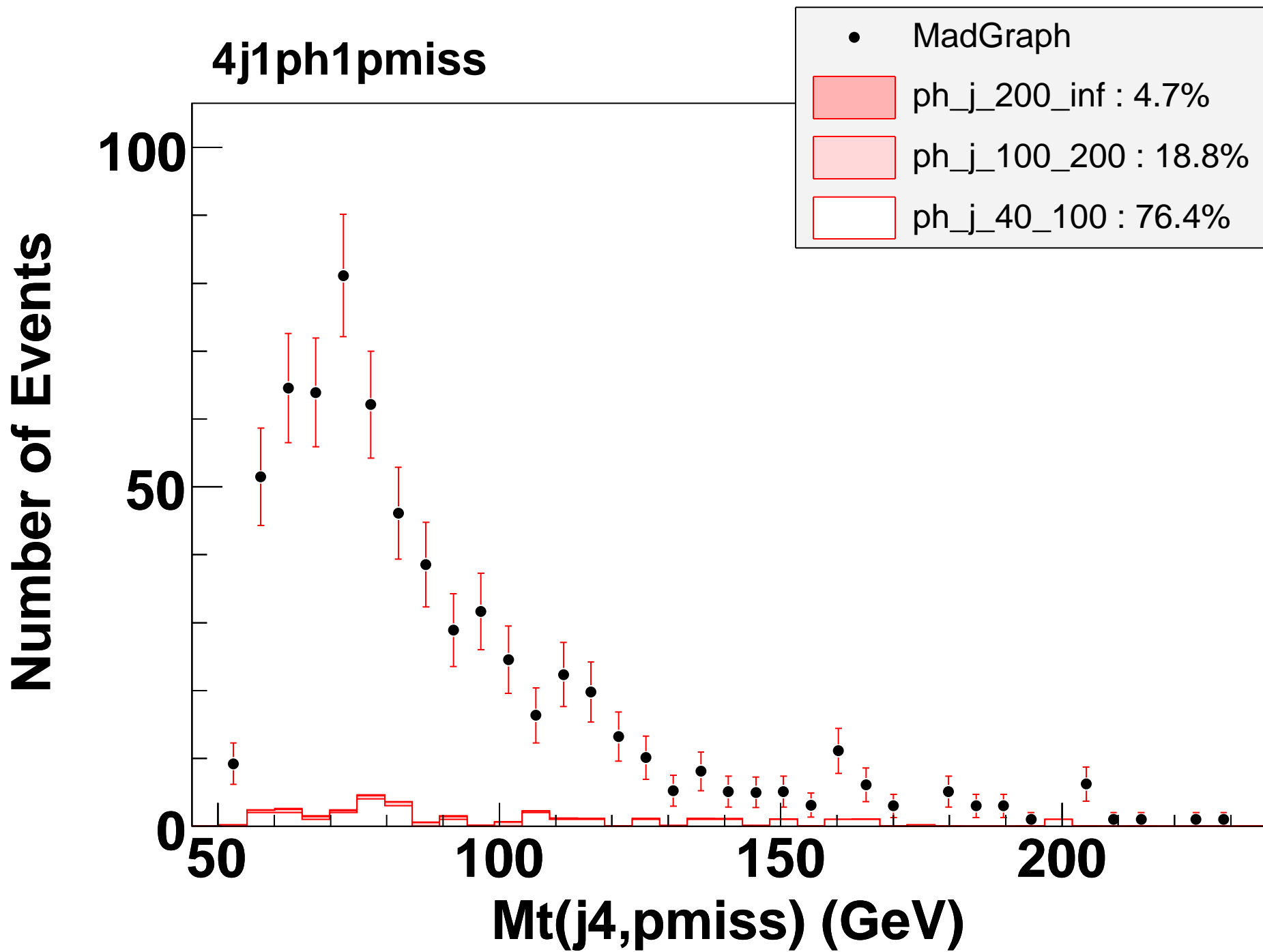
ph_j_40_100 : 76.4%



4j1ph1pmiss

Number of Events





4j1ph1pmiss

Number of Events

150

100

50

0

0

200

400

600

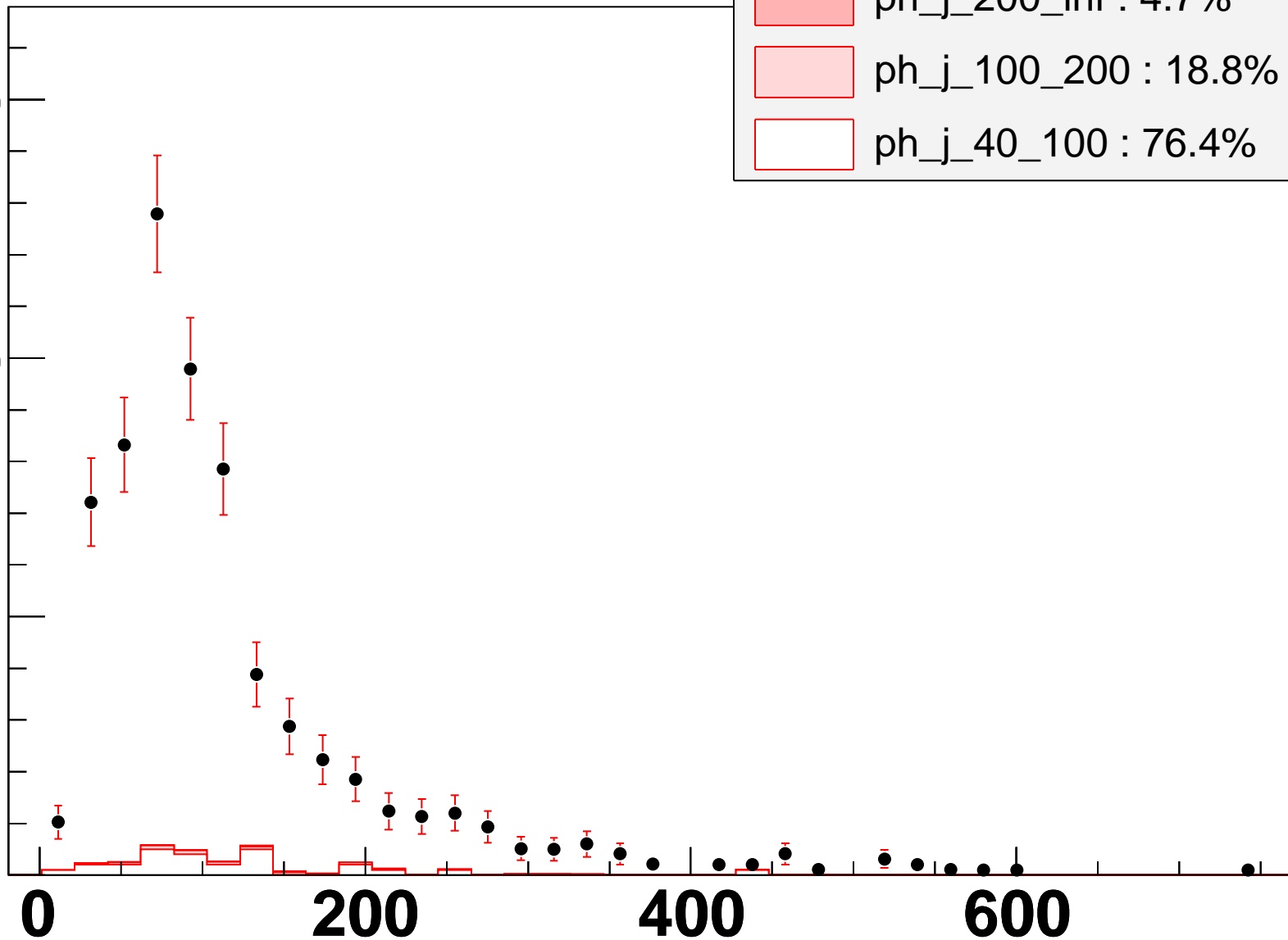
$M(\gamma, j3)$ (GeV)

• MadGraph

ph_j_200_inf : 4.7%

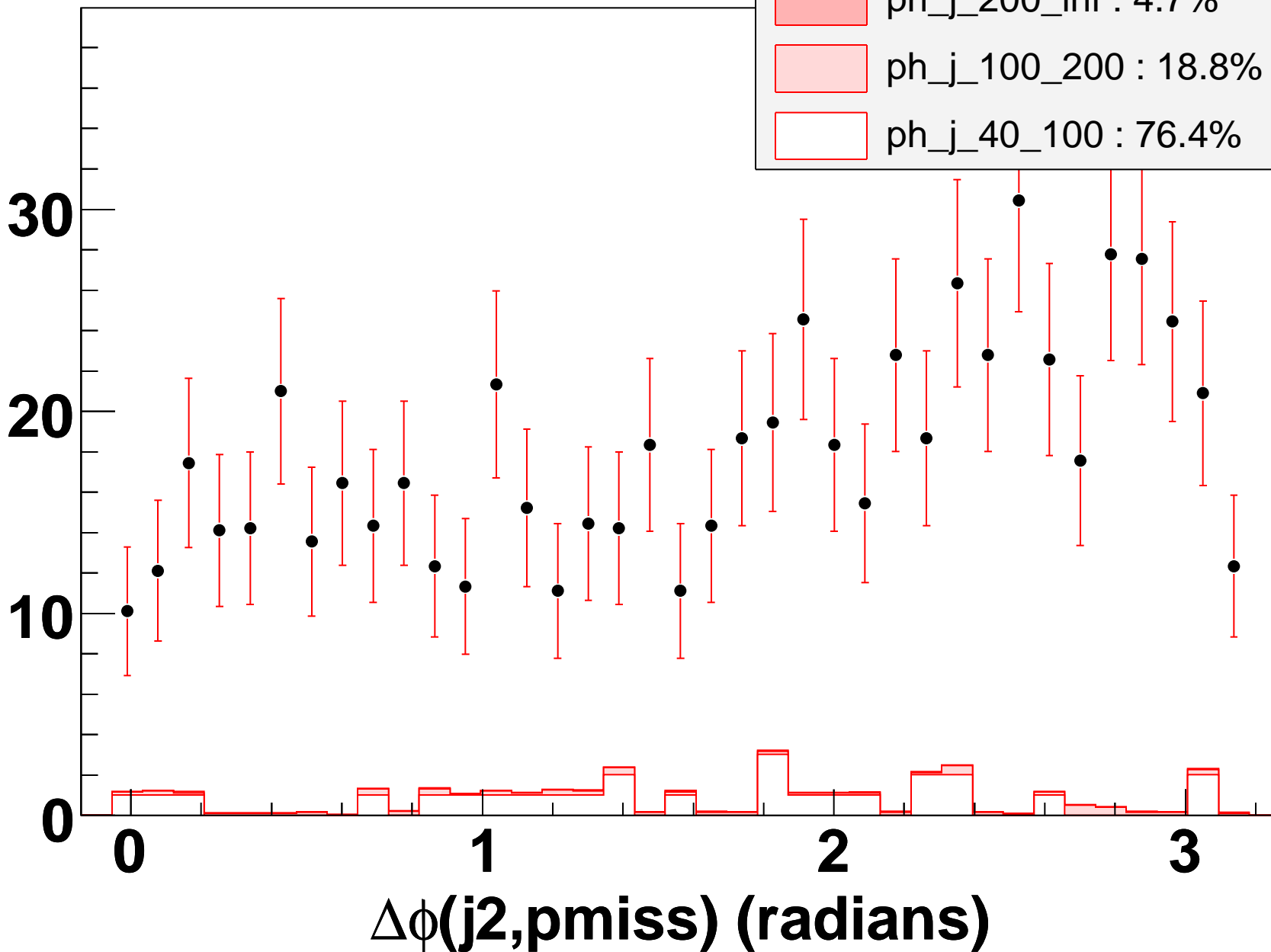
ph_j_100_200 : 18.8%

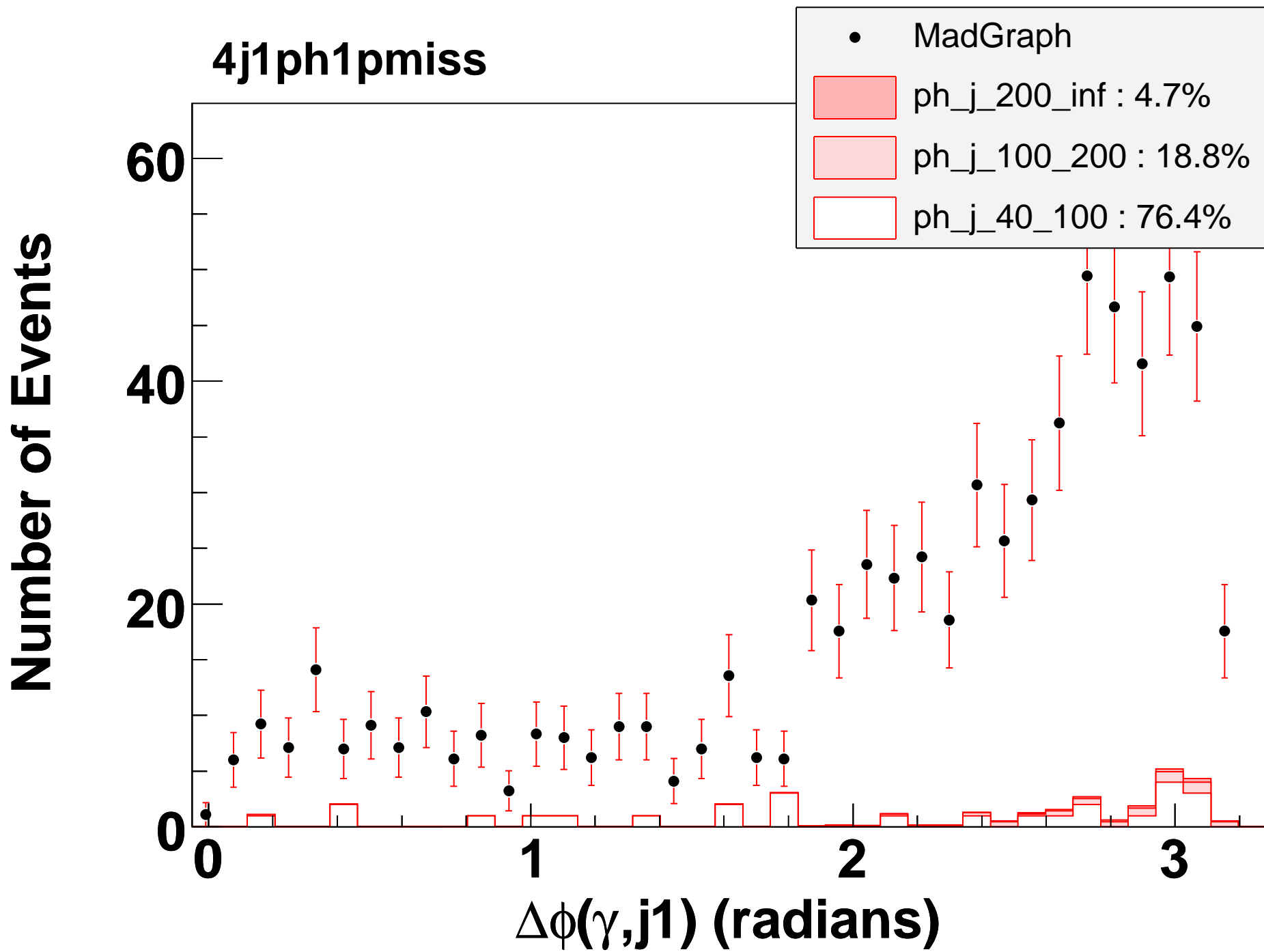
ph_j_40_100 : 76.4%

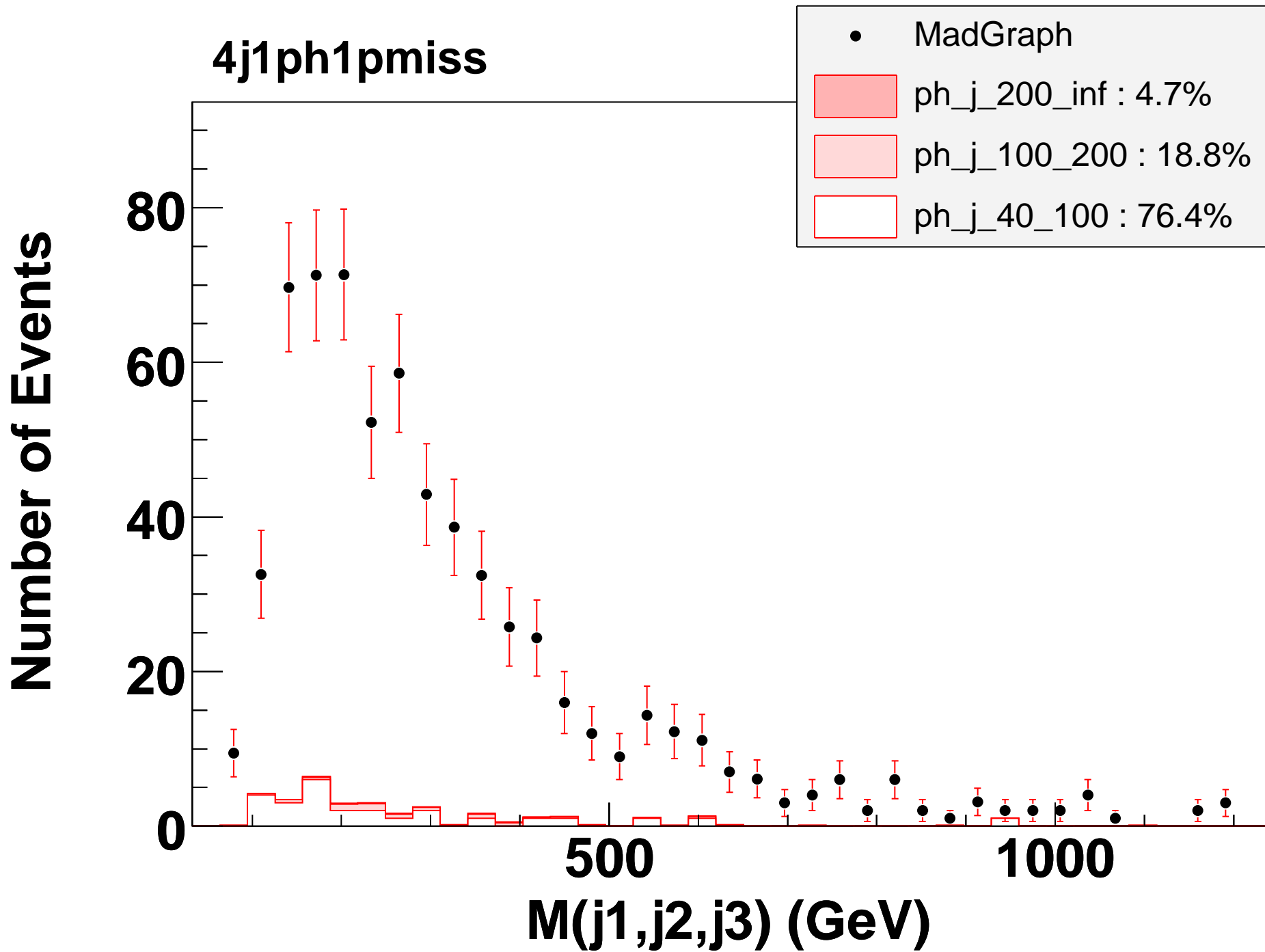


4j1ph1pmiss

Number of Events





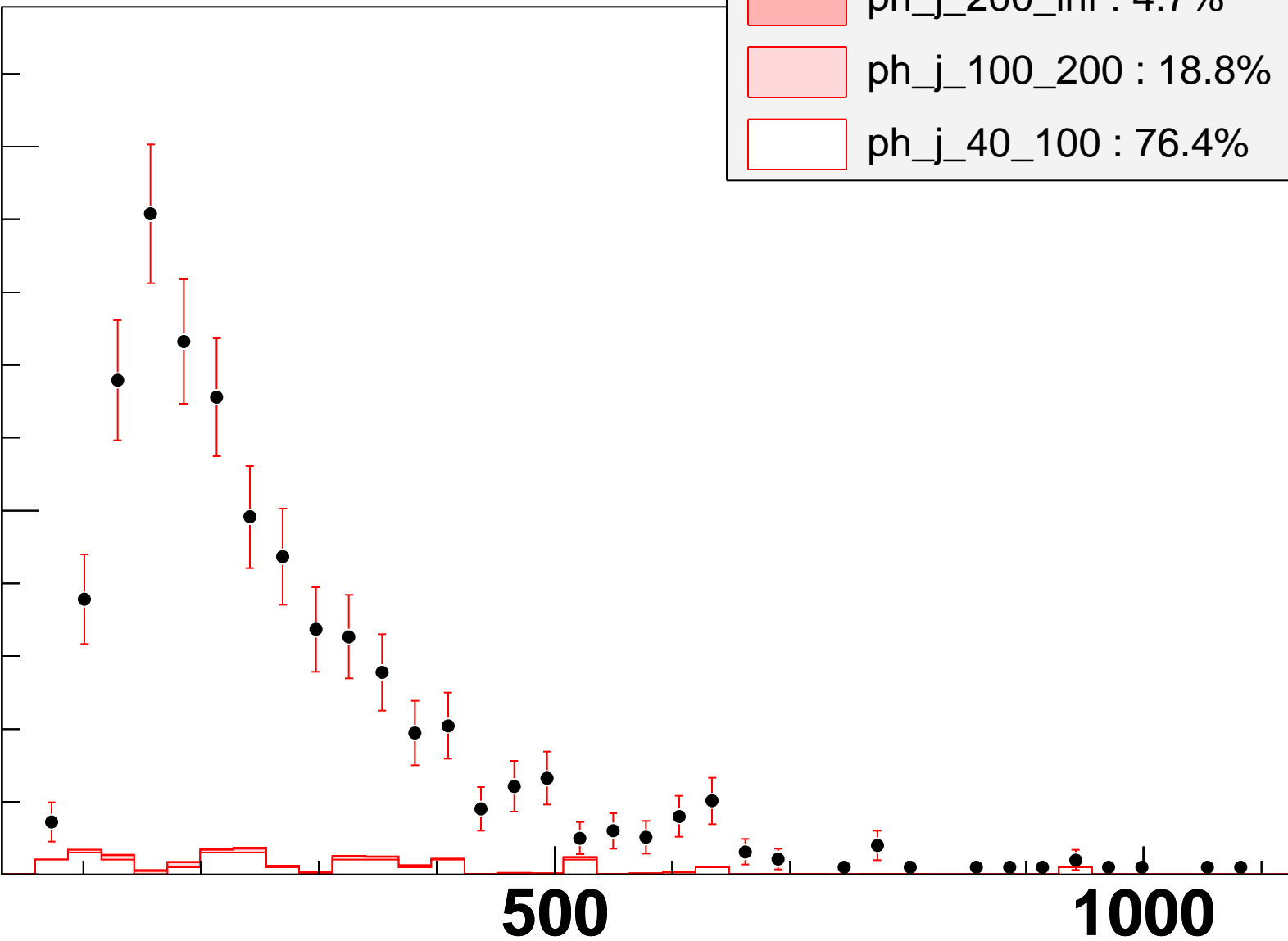
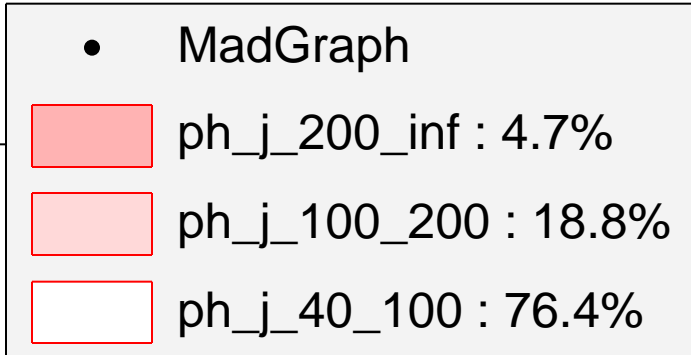


4j1ph1pmiss

Number of Events

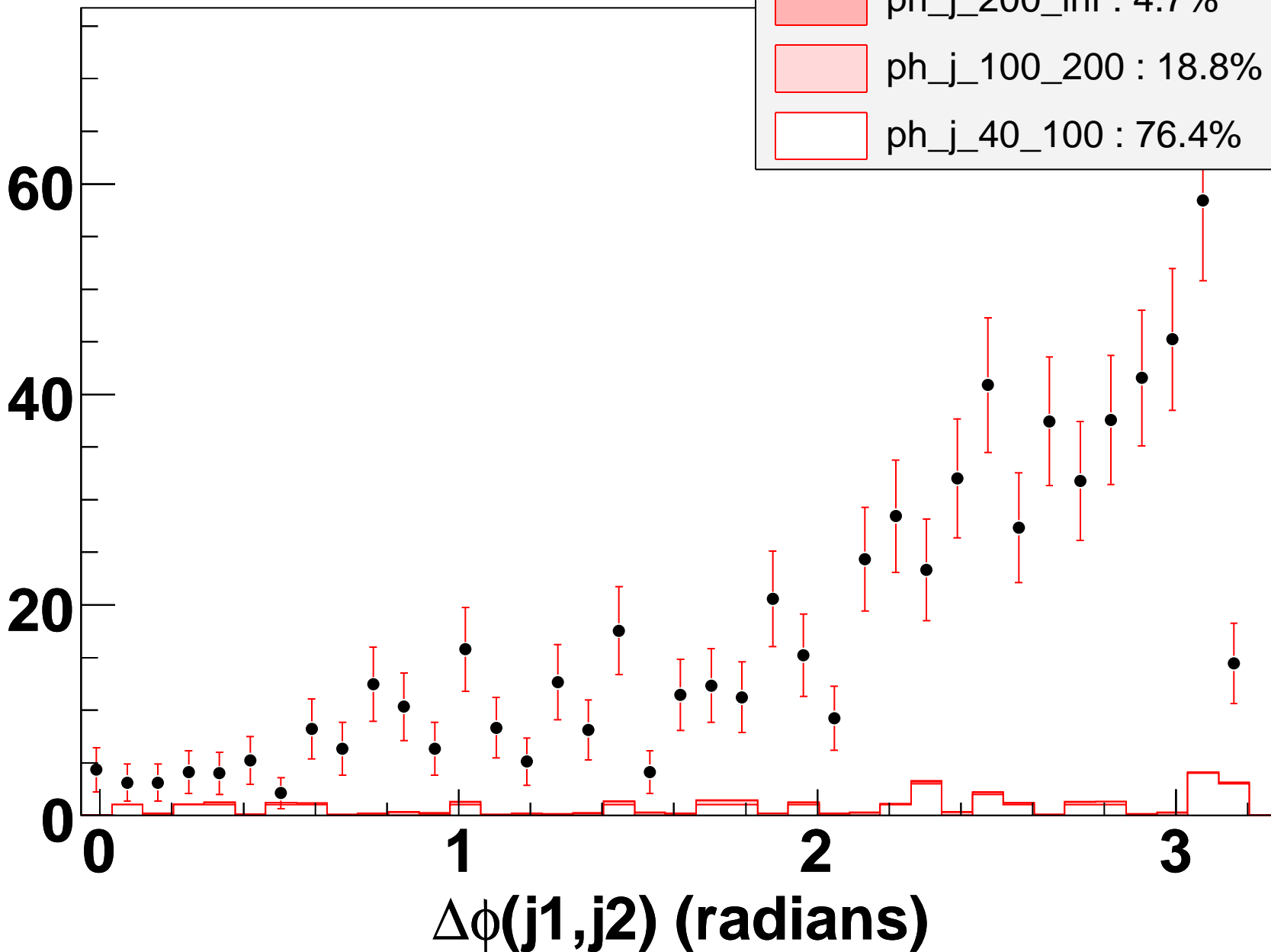
100
50
0

M(j1,j3,j4) (GeV)



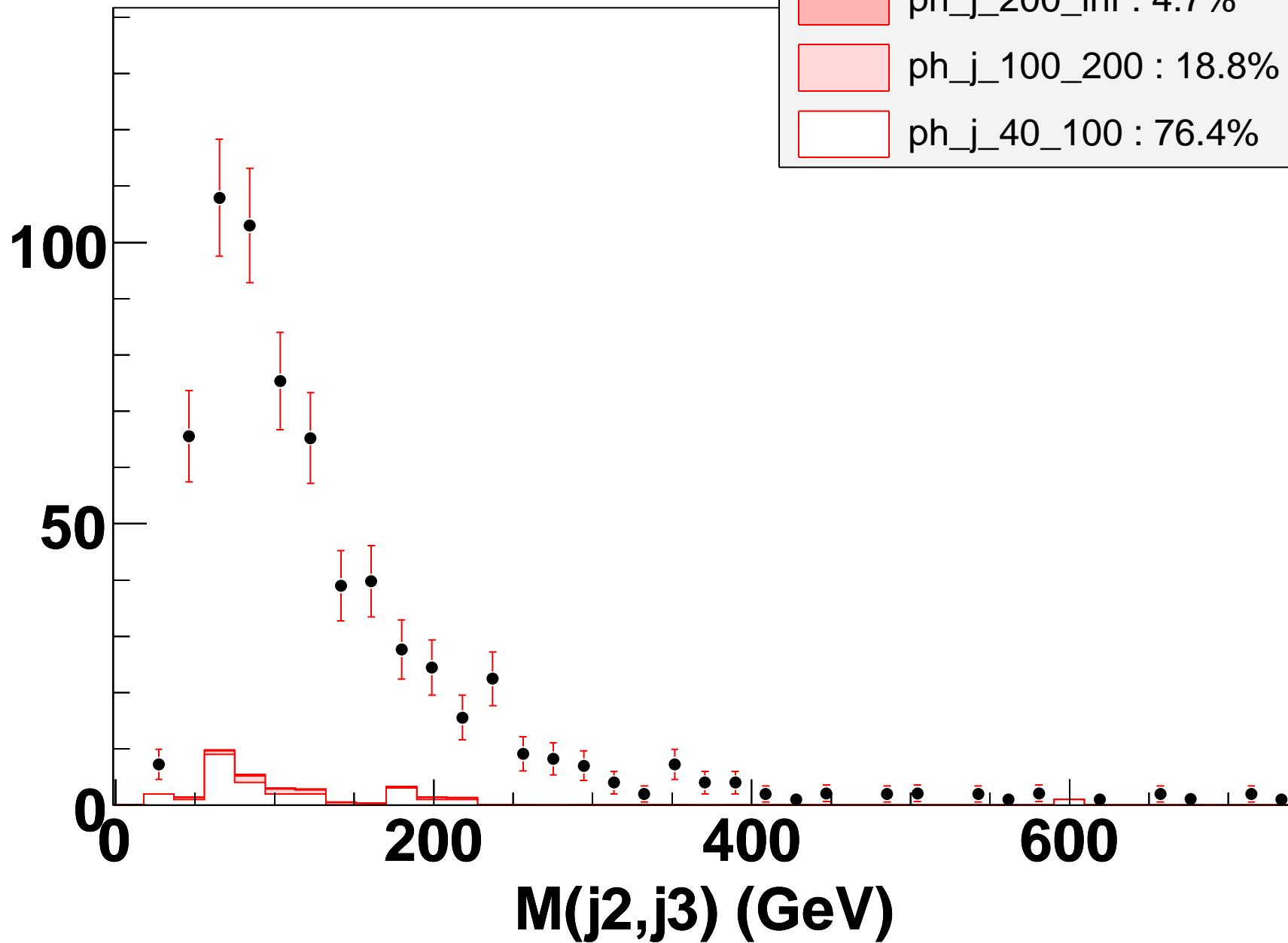
4j1ph1pmiss

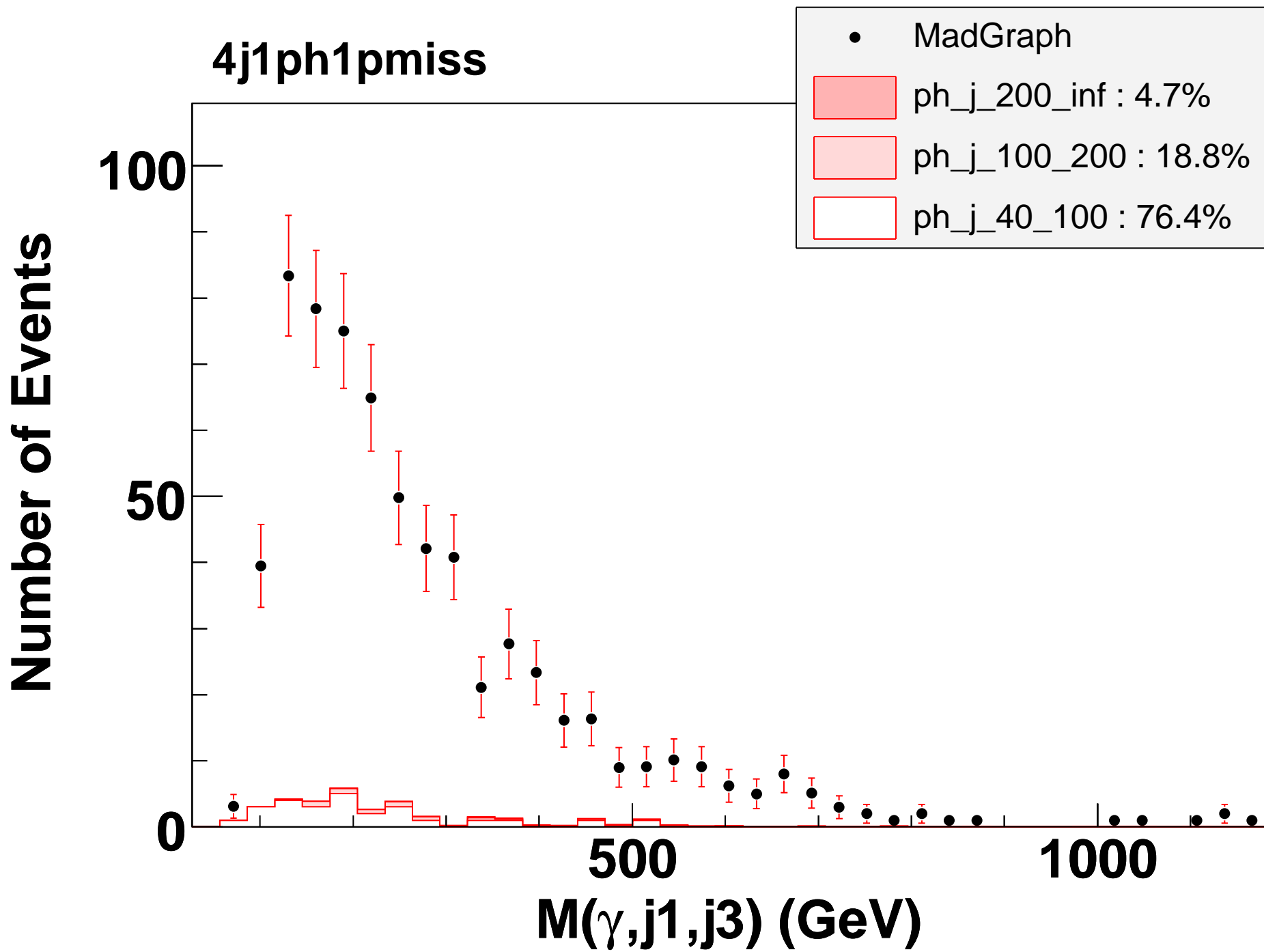
Number of Events

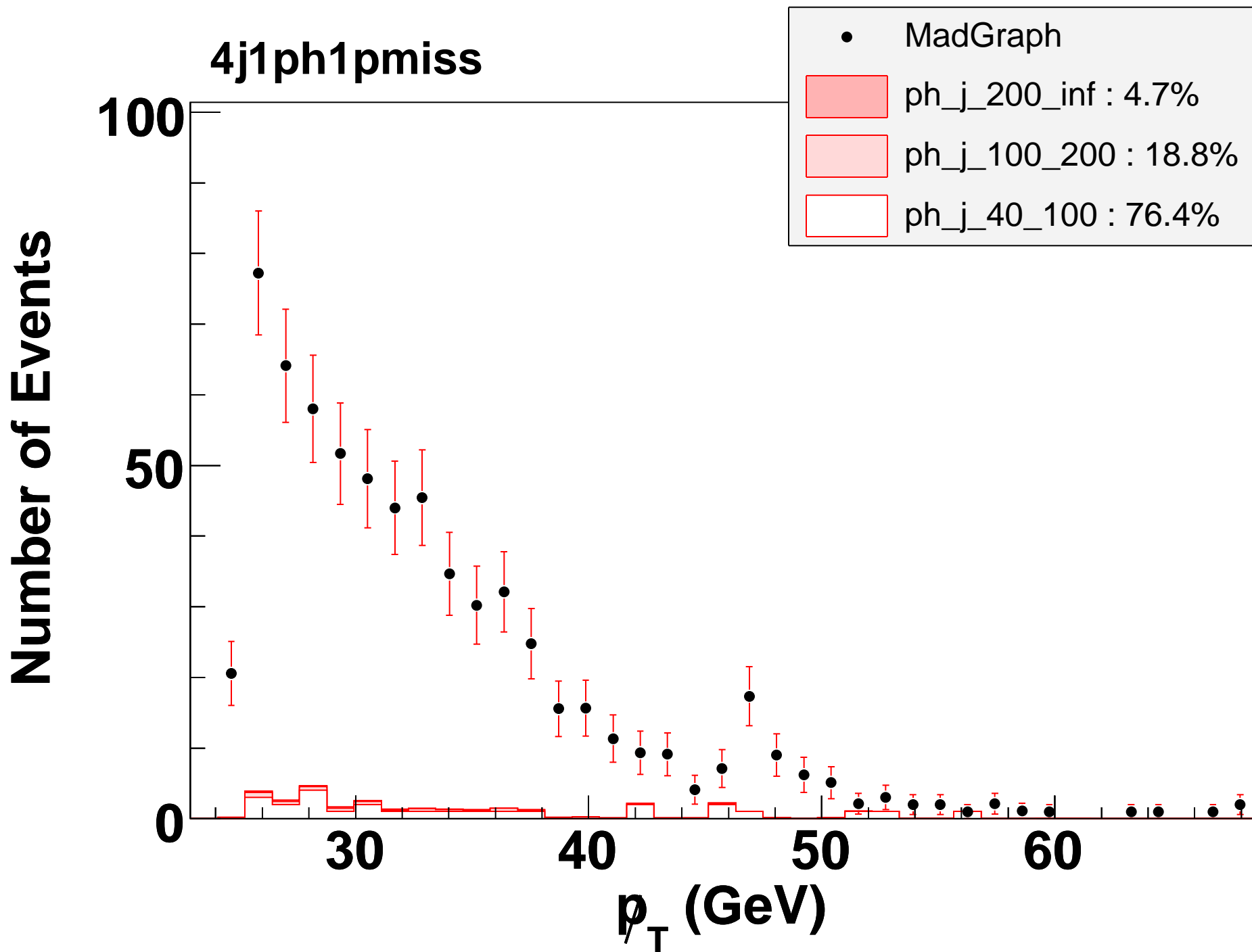


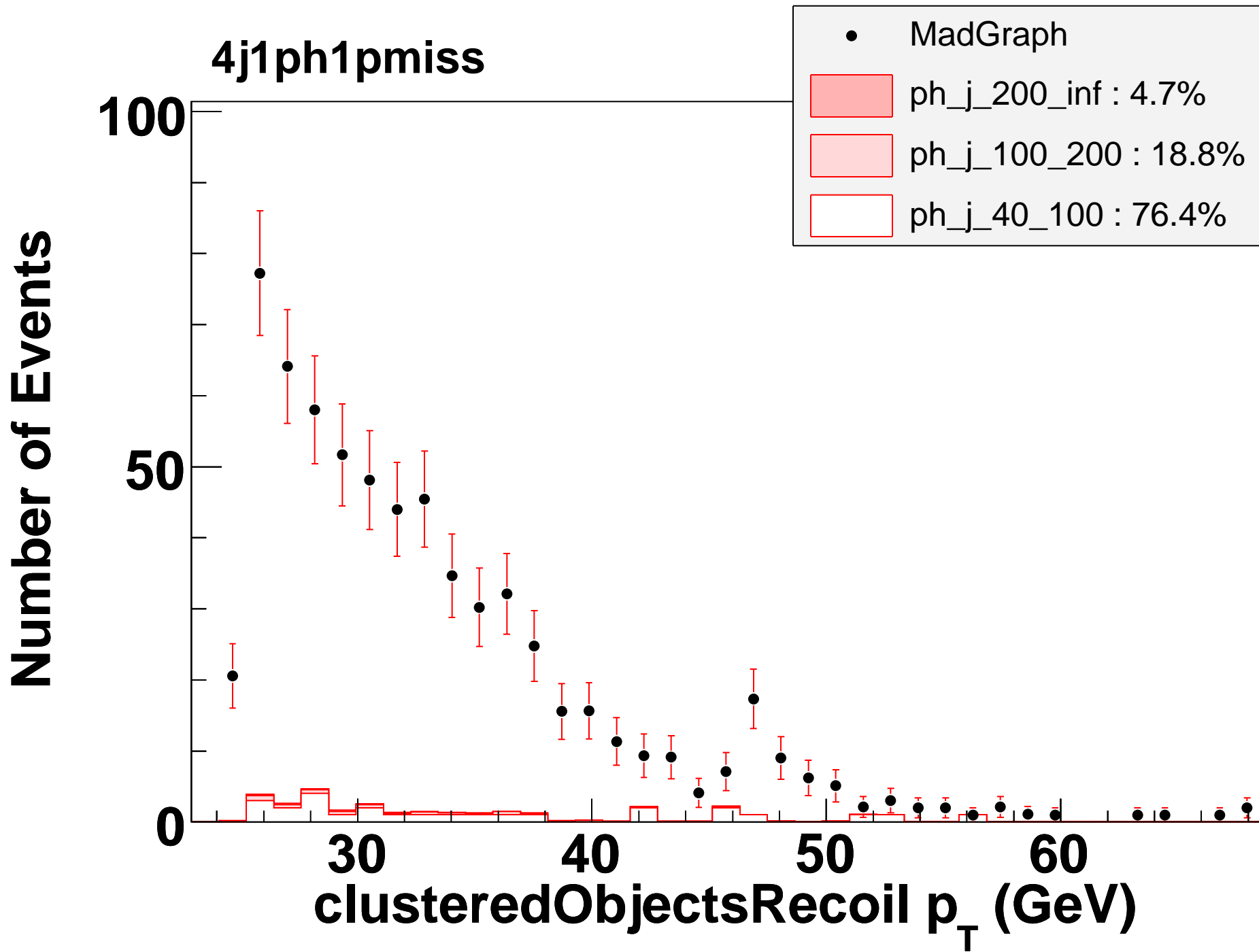
4j1ph1pmiss

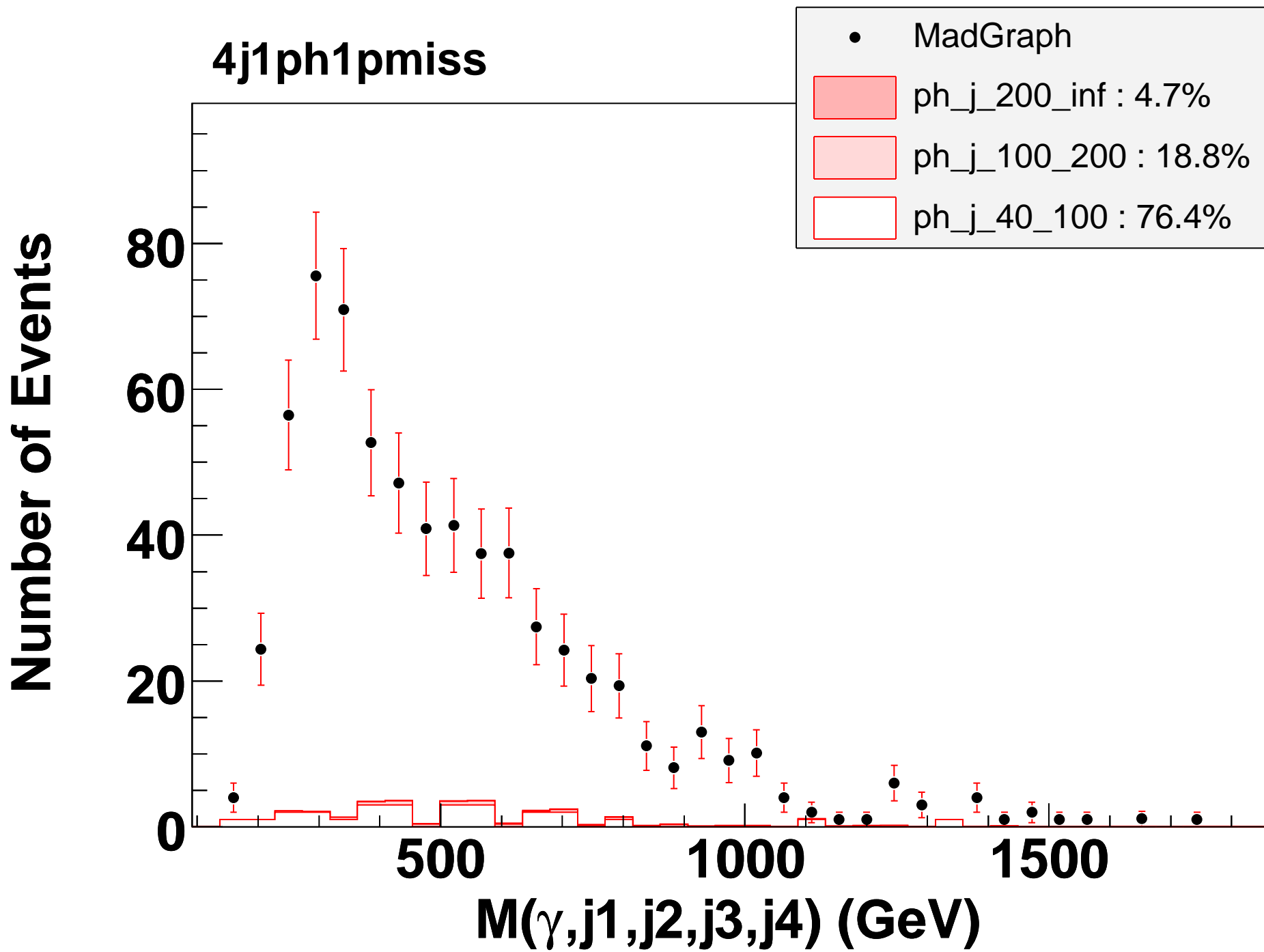
Number of Events

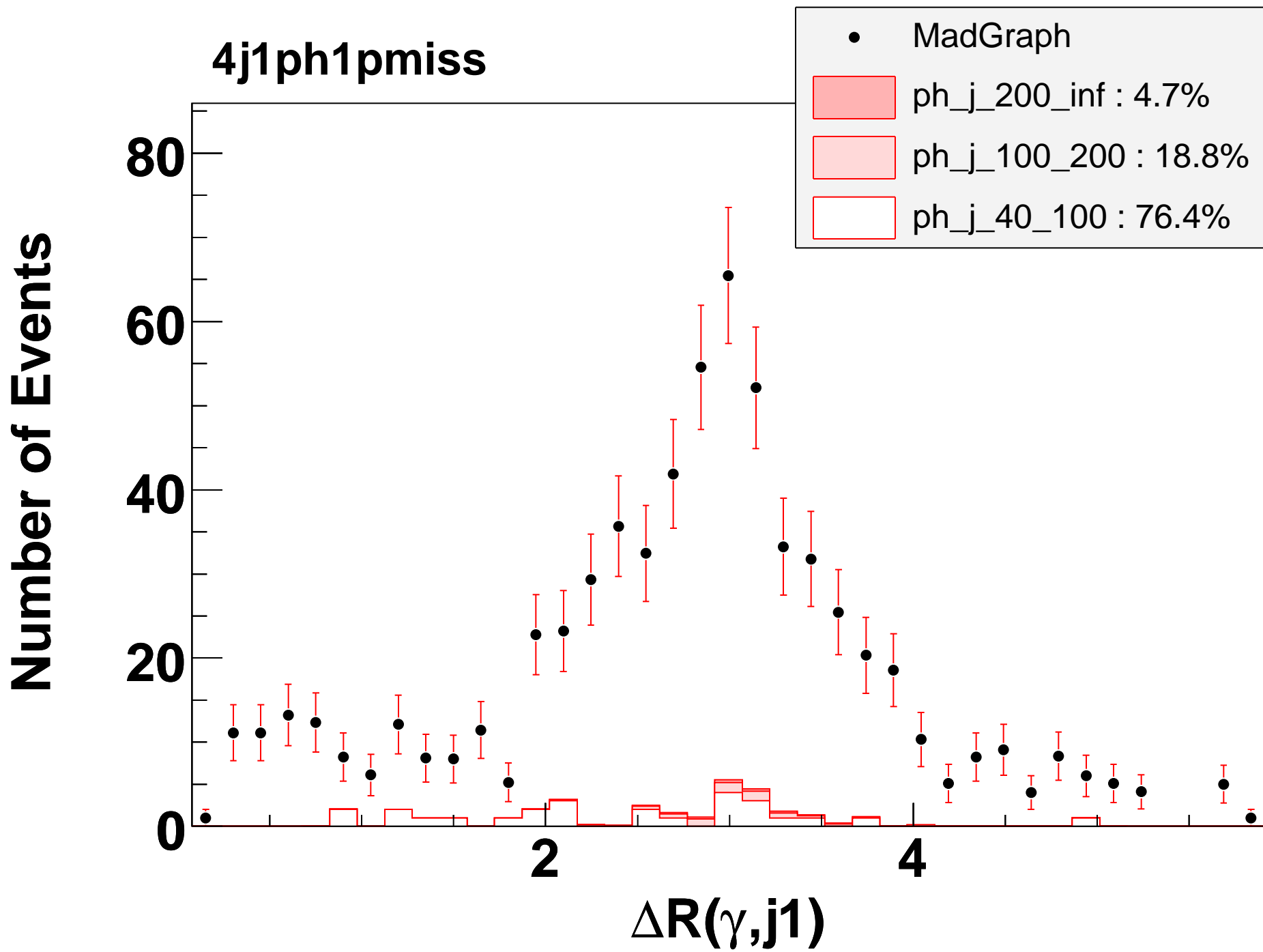


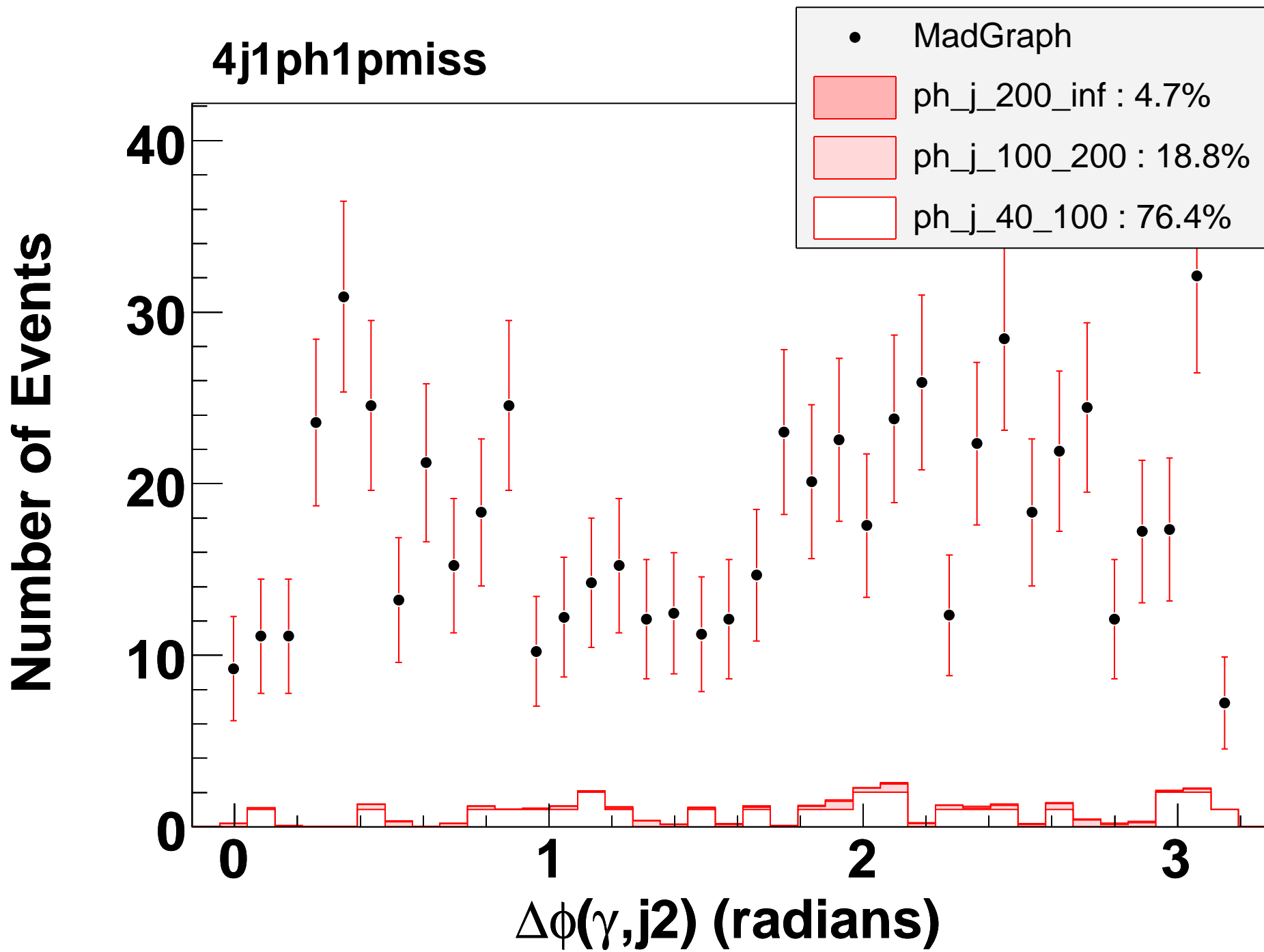


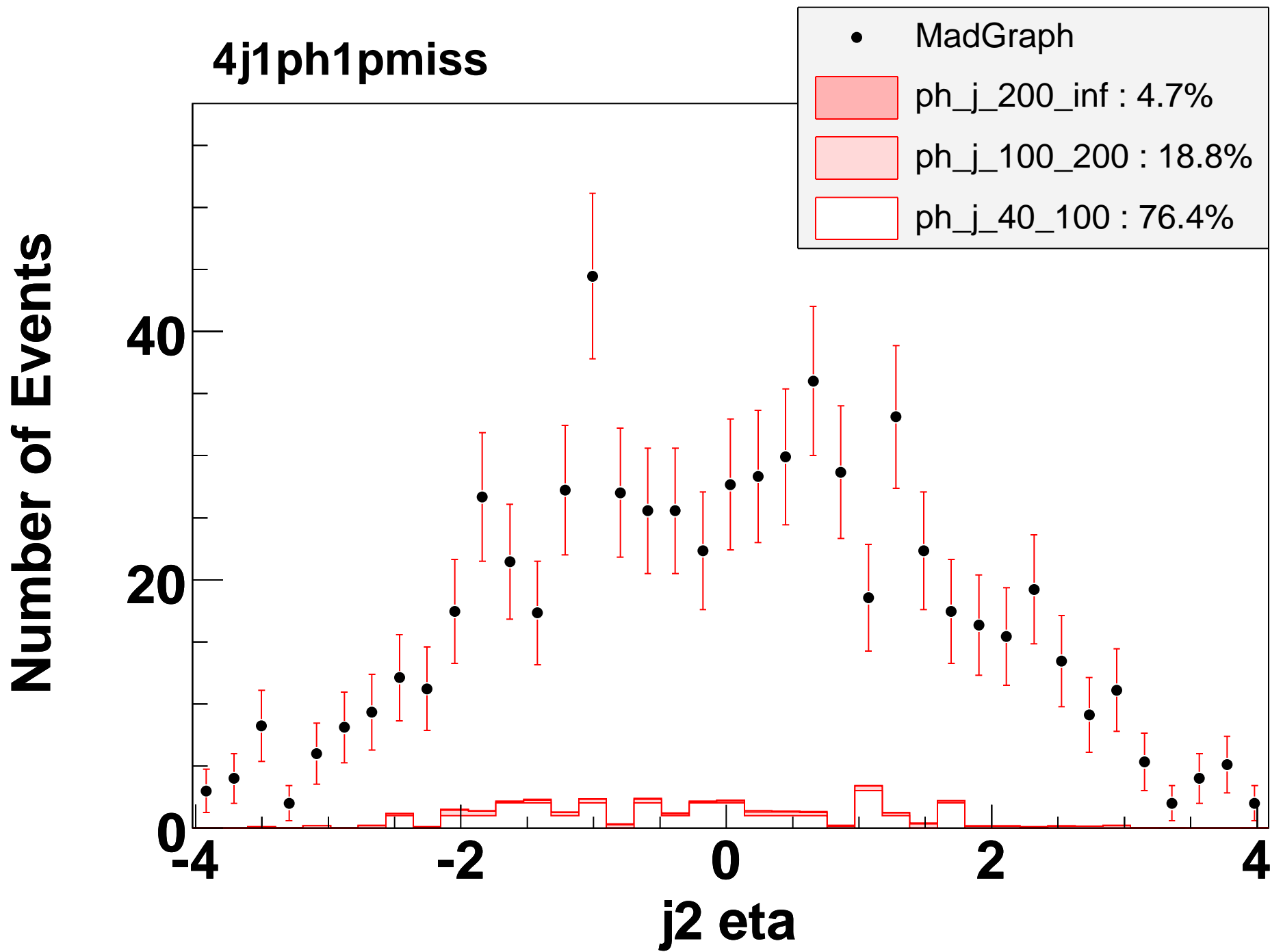


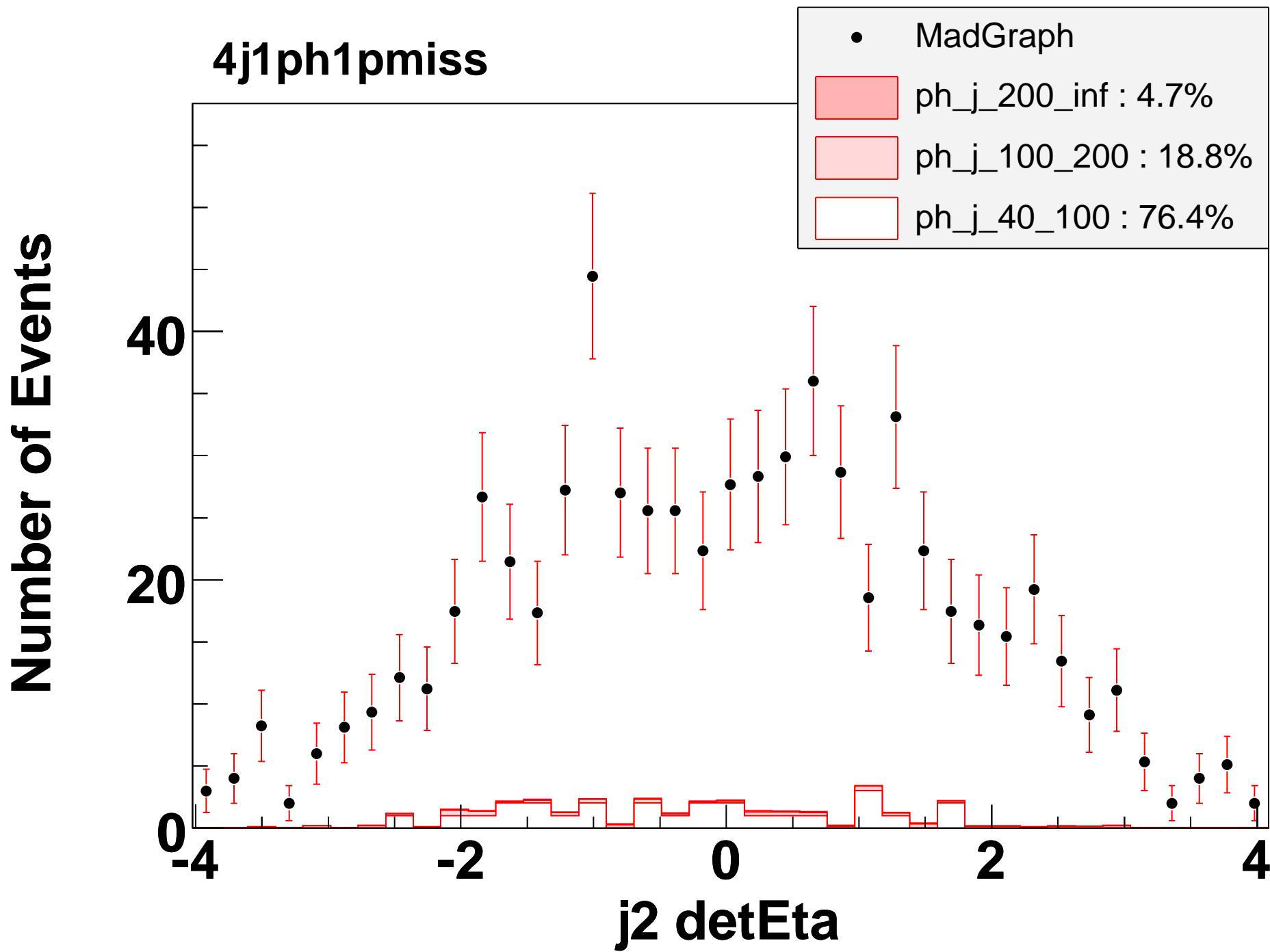


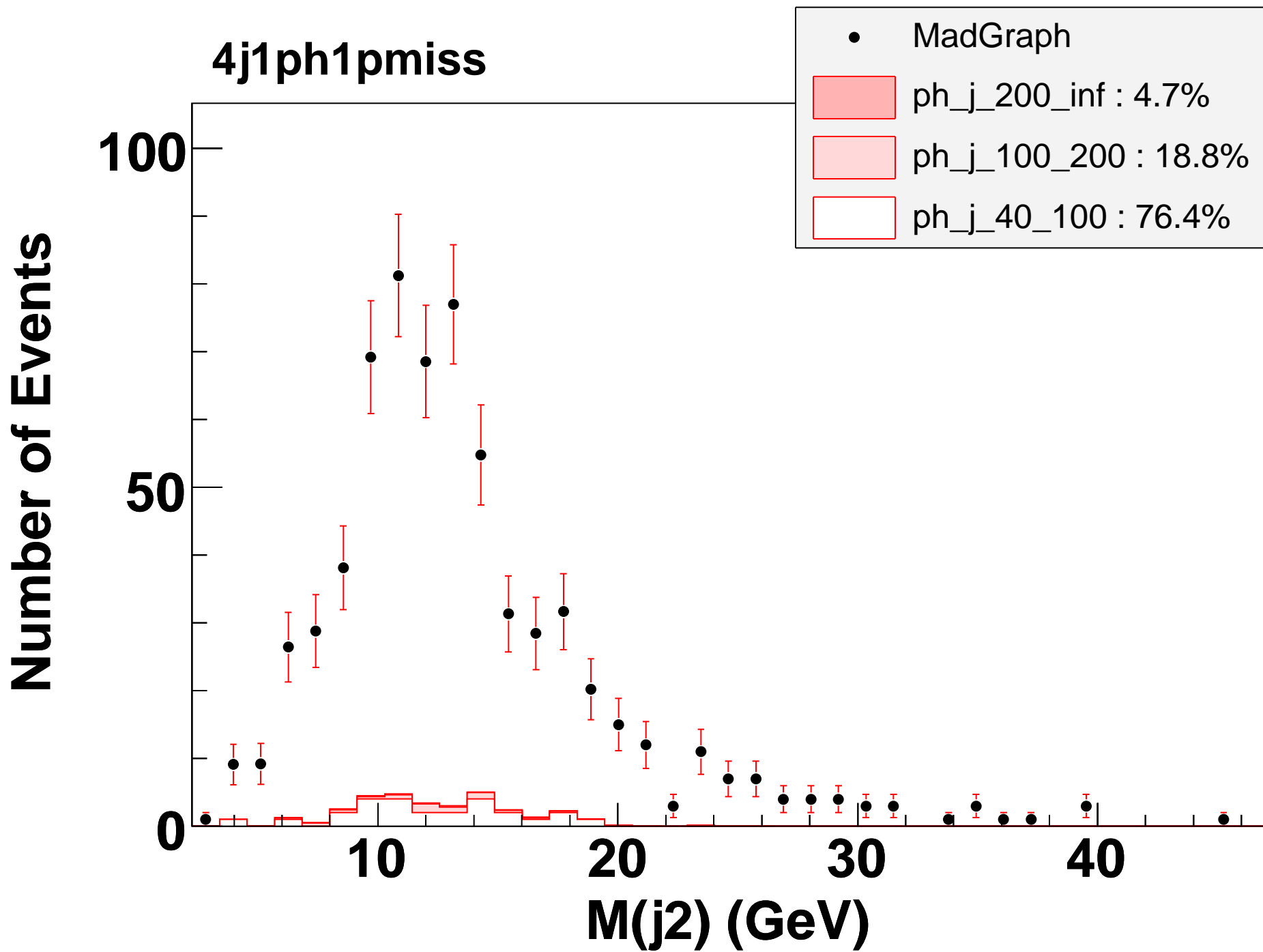


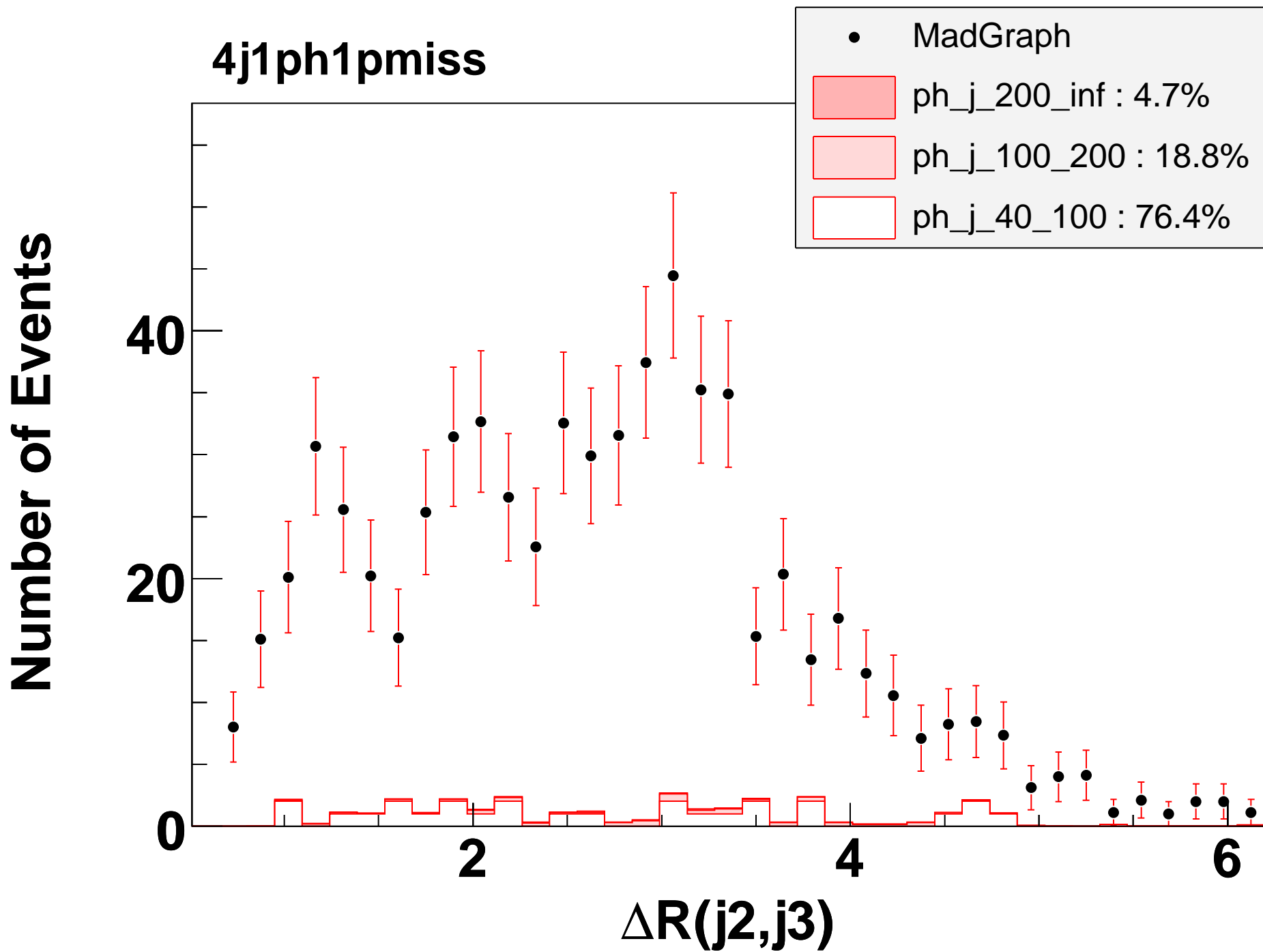






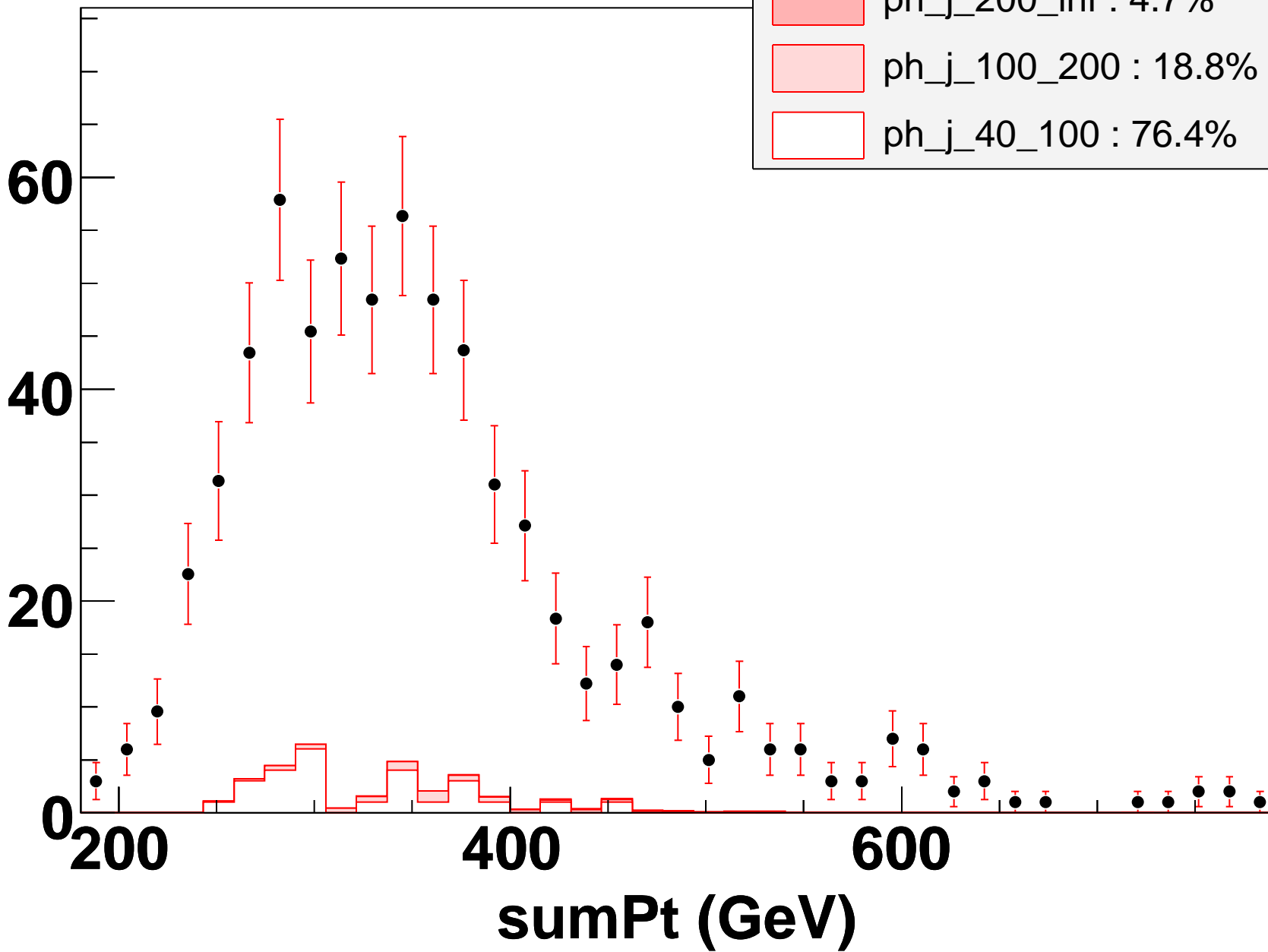


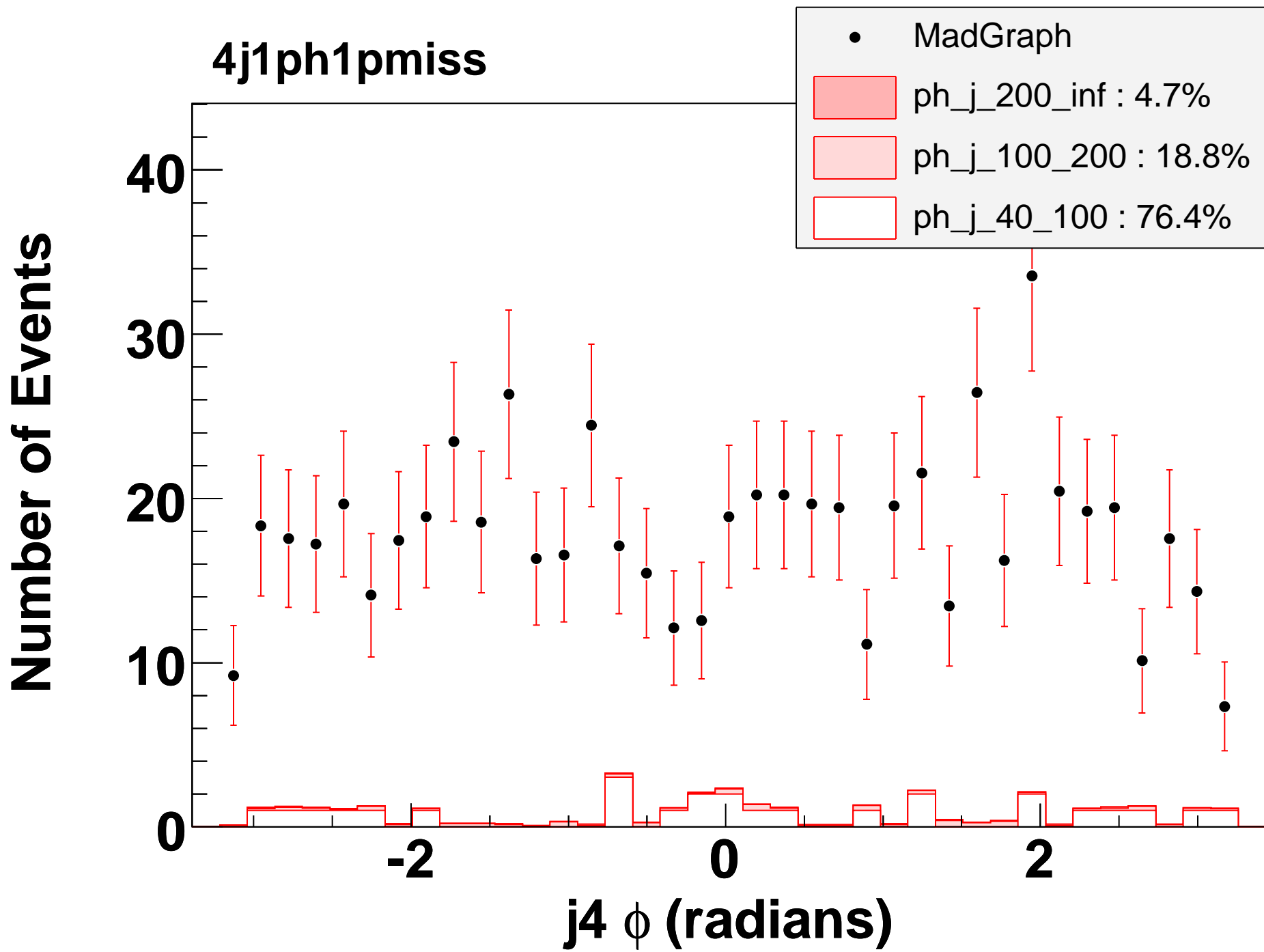




4j1ph1pmiss

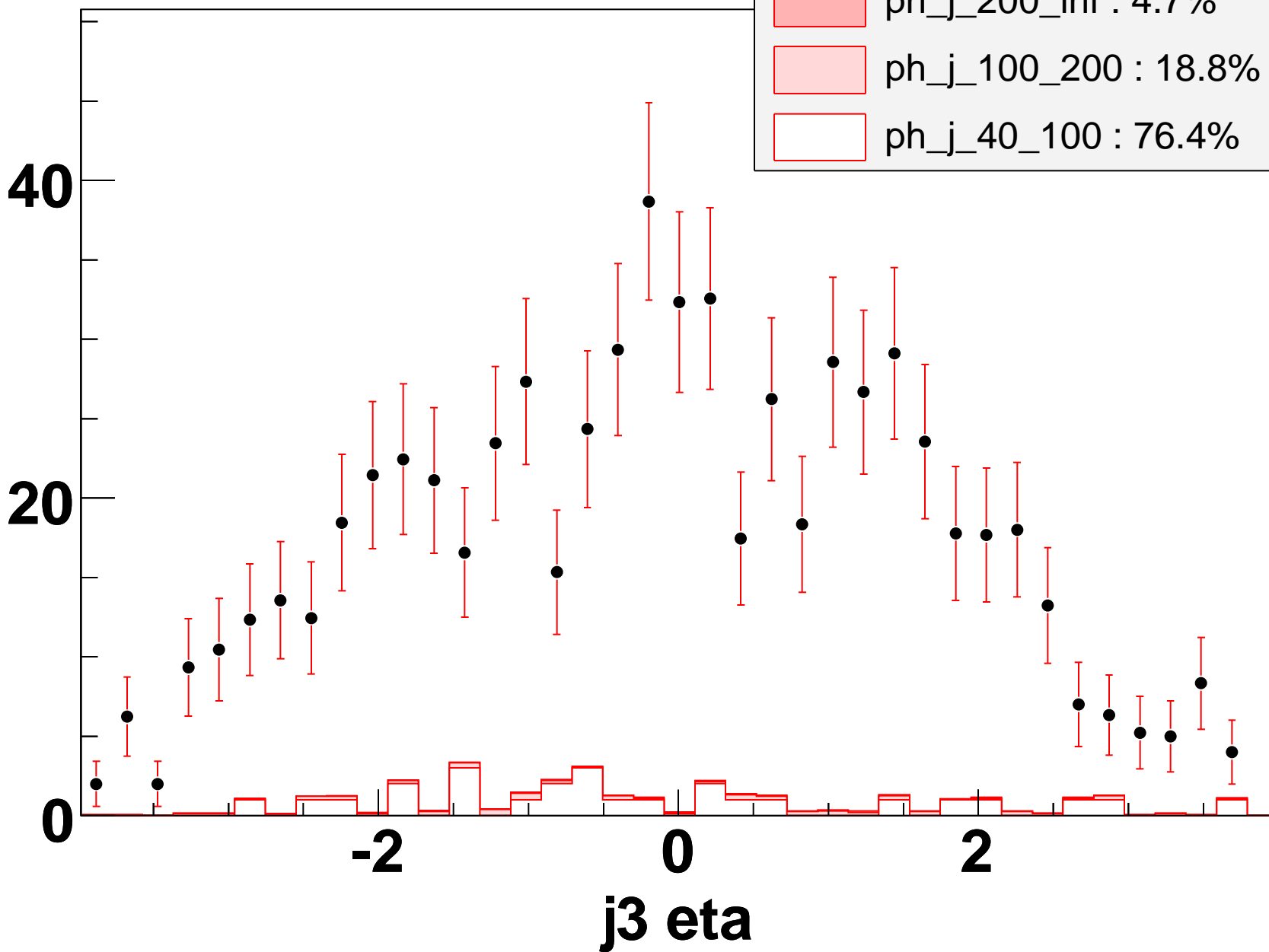
Number of Events





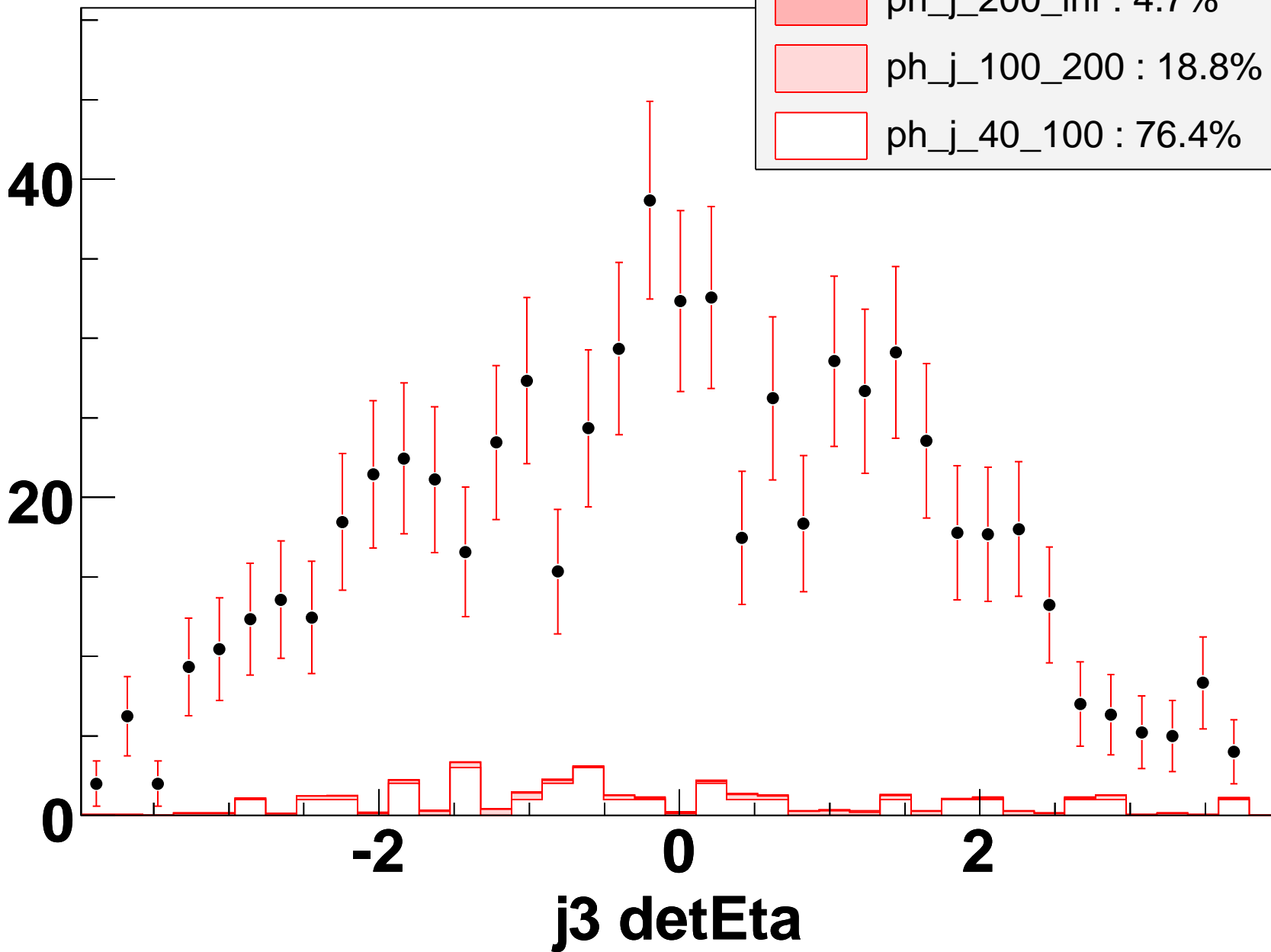
4j1ph1pmiss

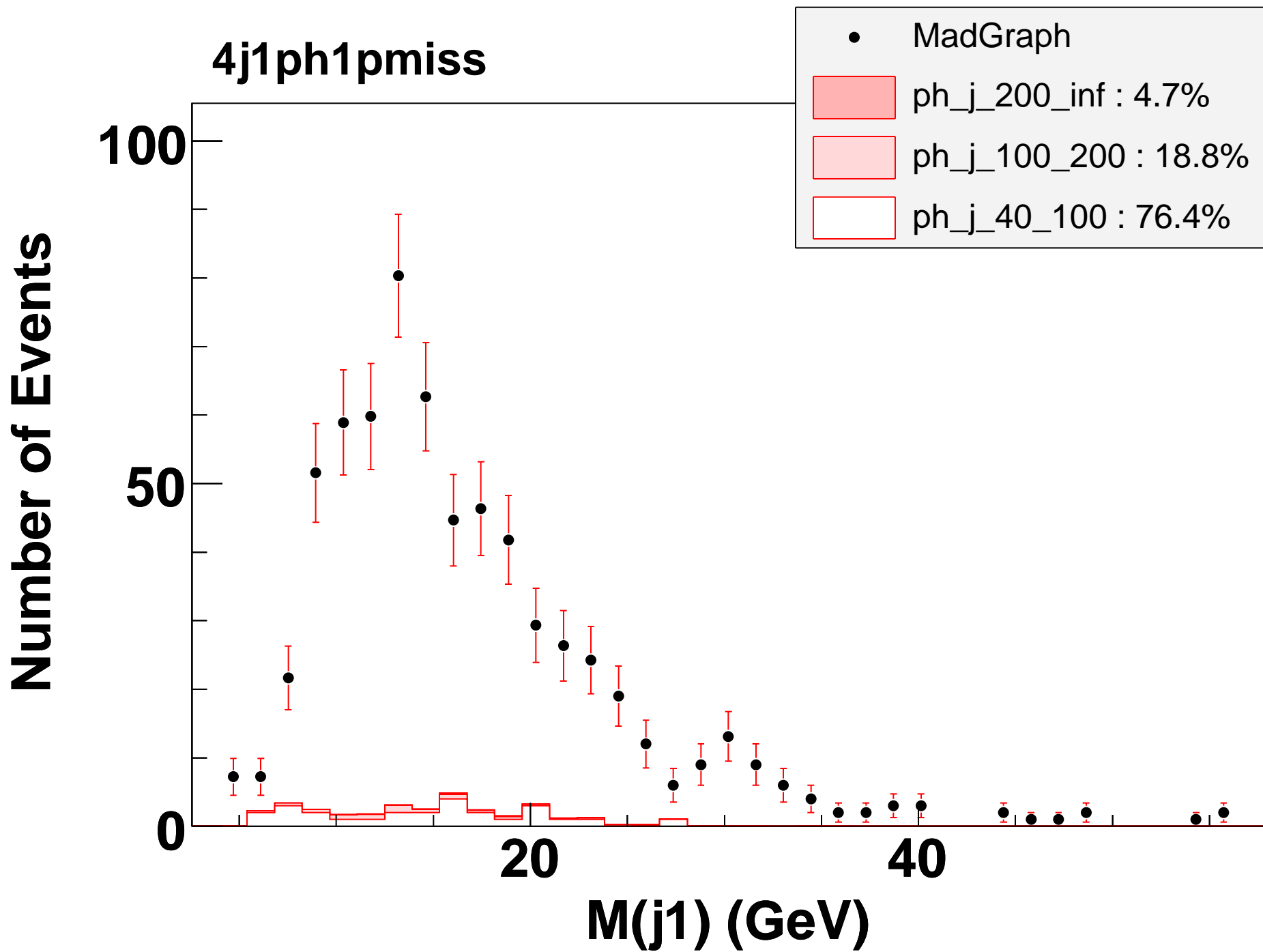
Number of Events

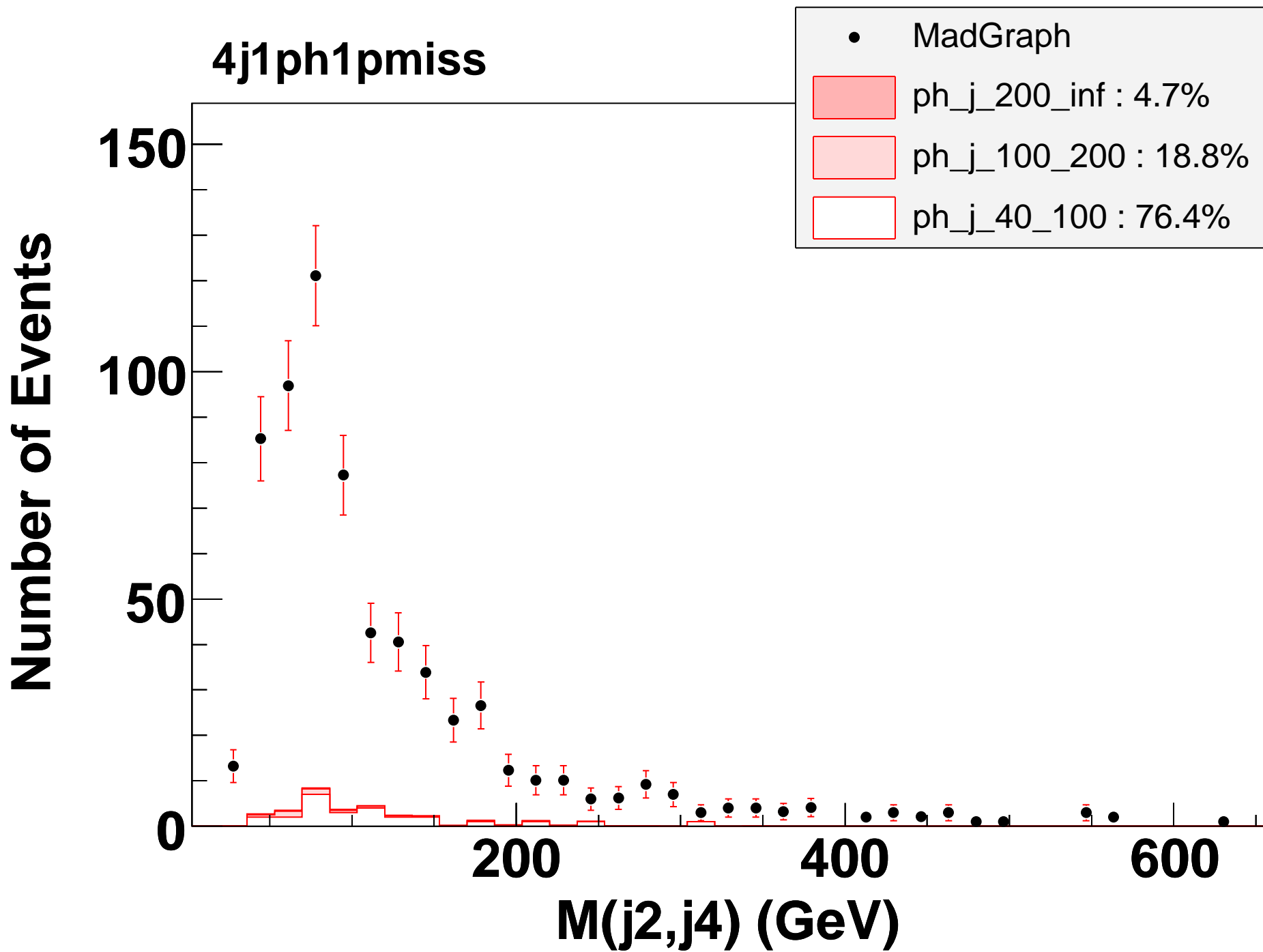


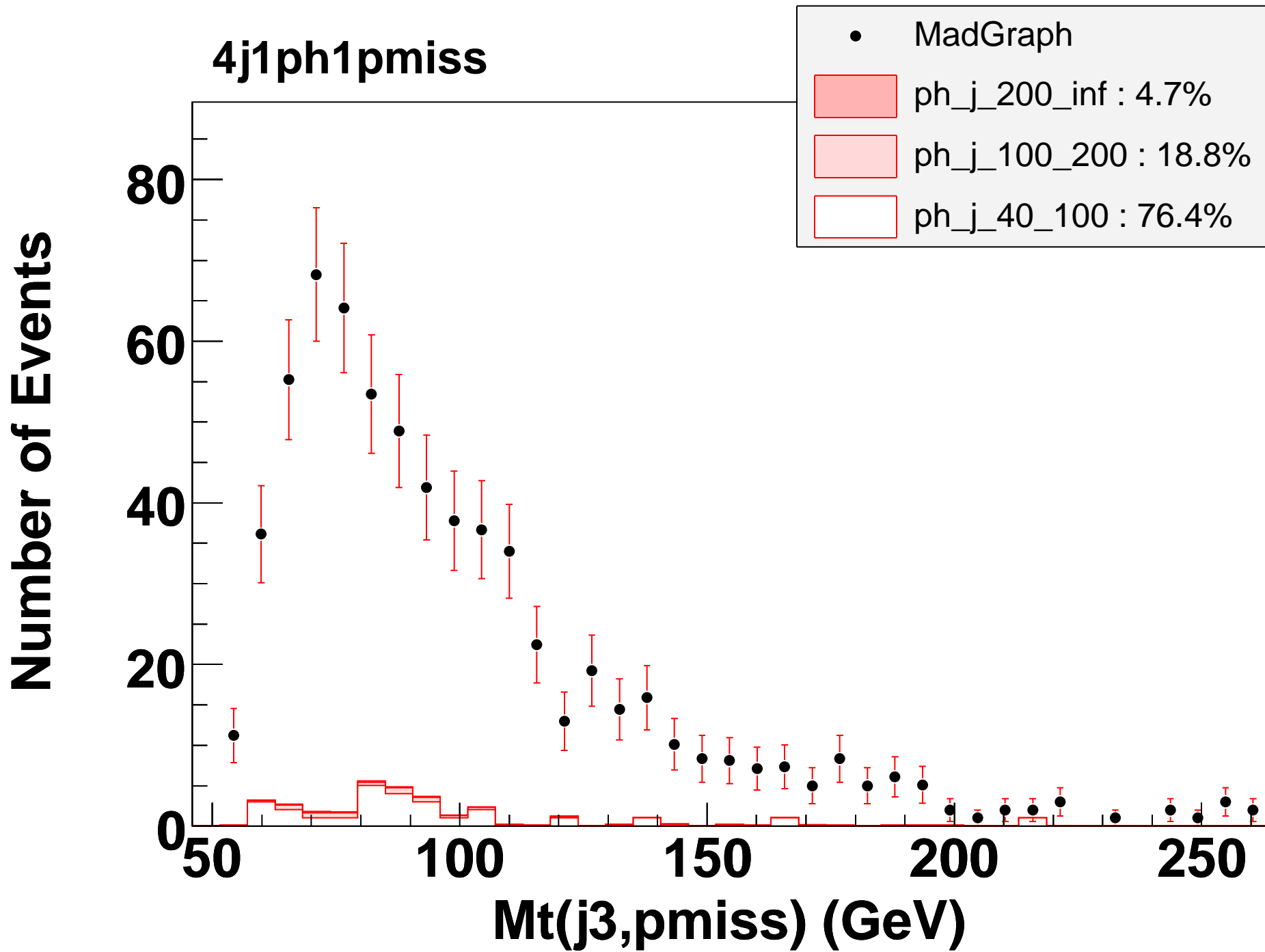
4j1ph1pmiss

Number of Events



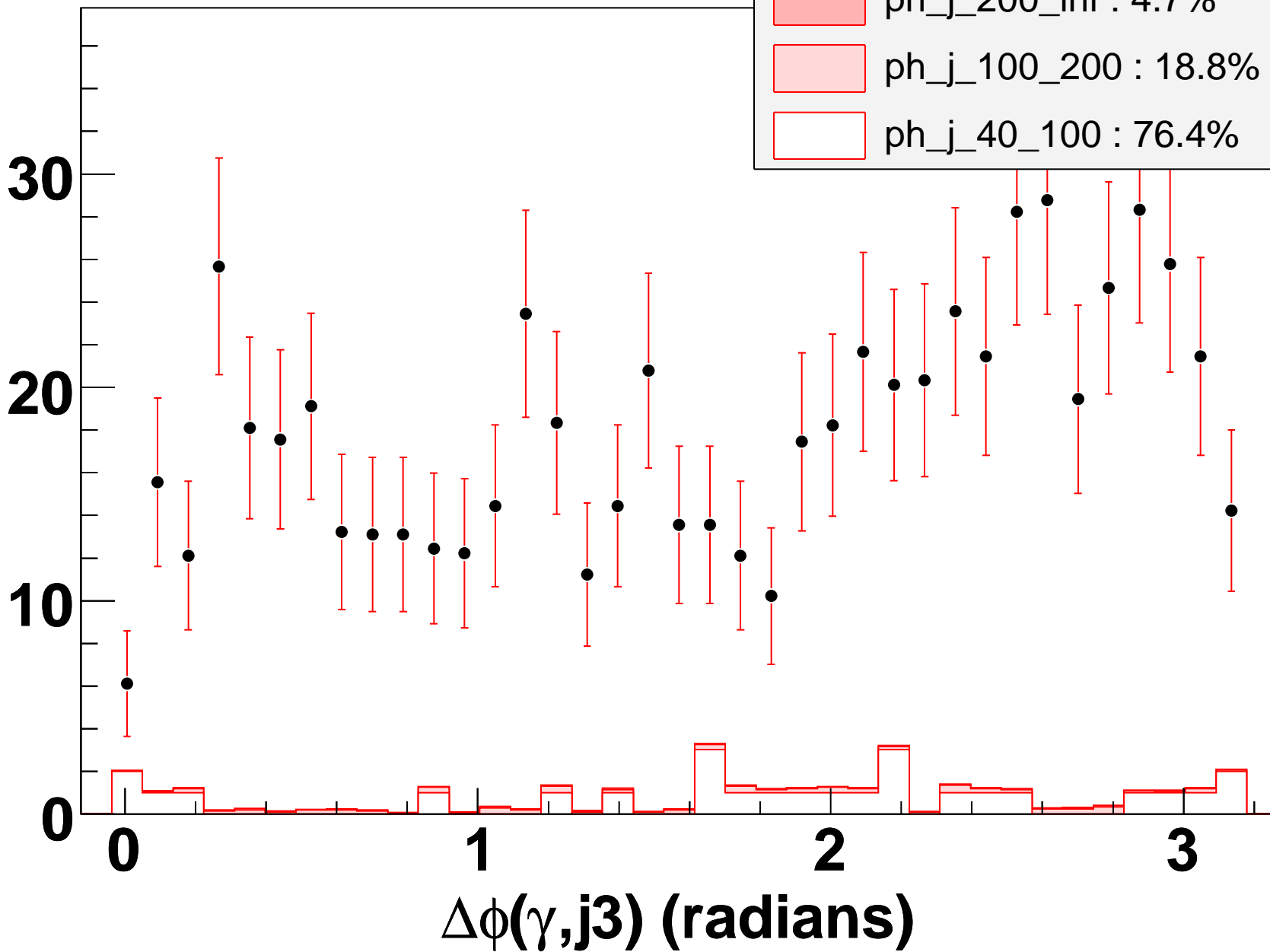


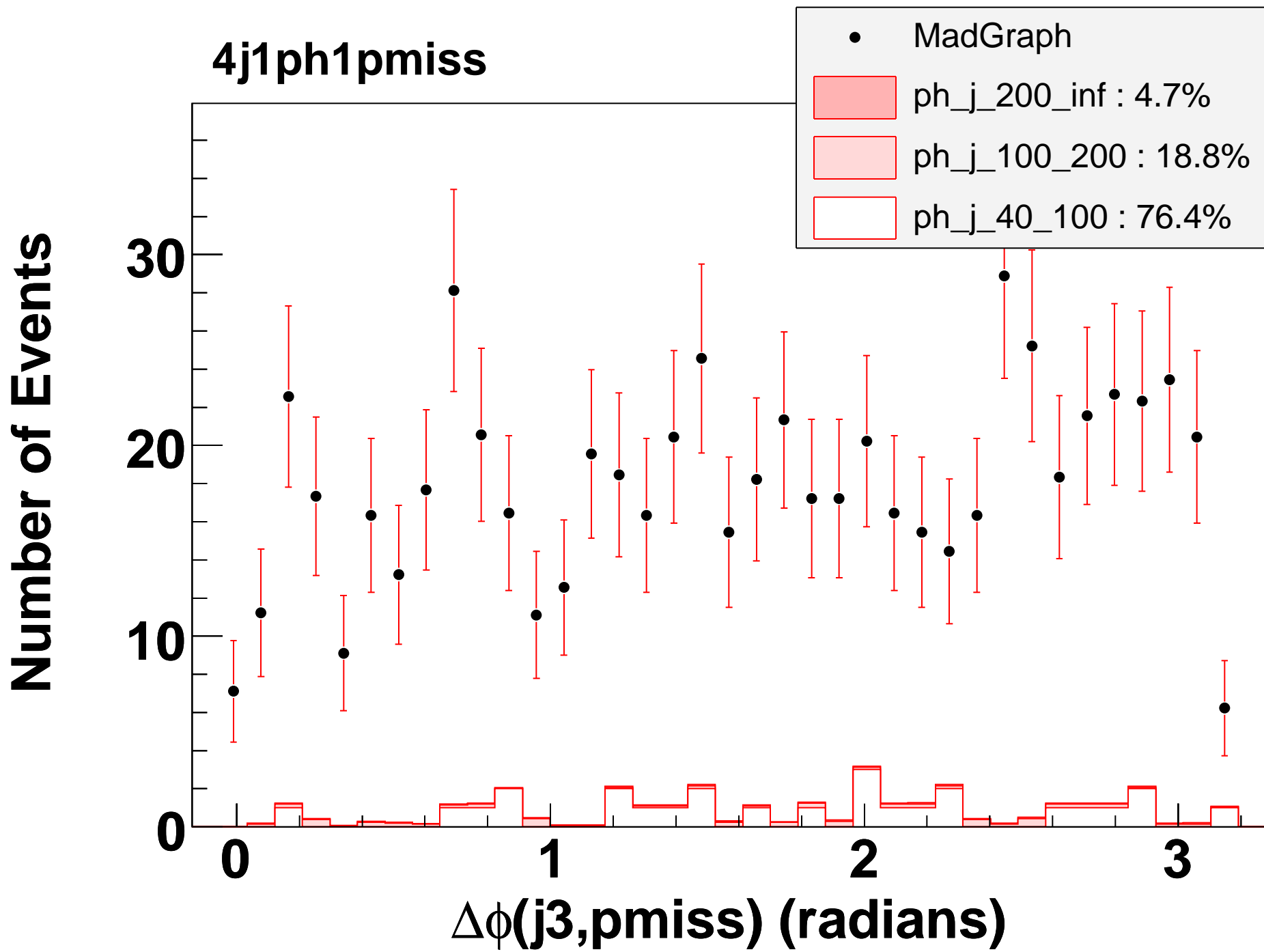


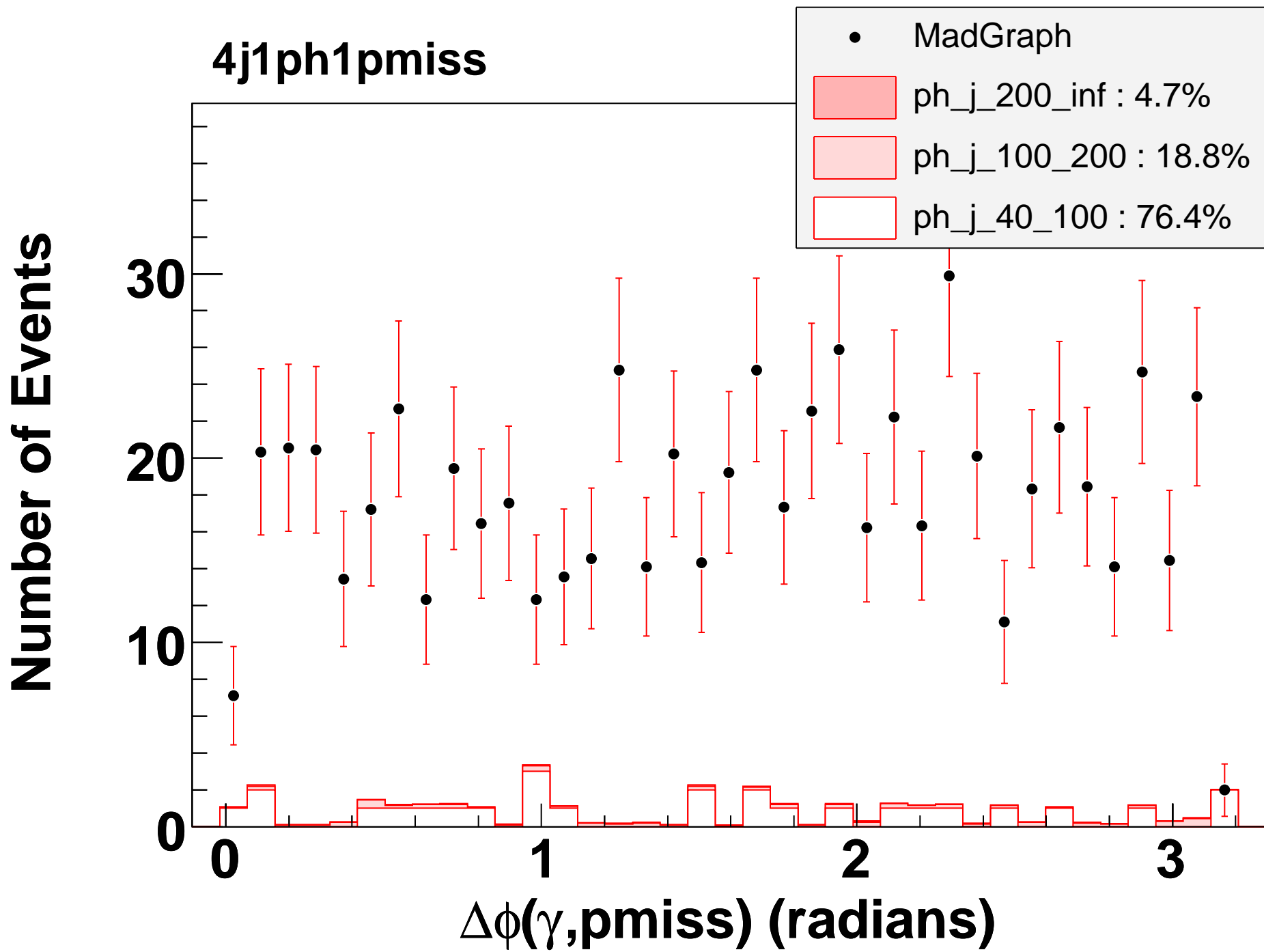


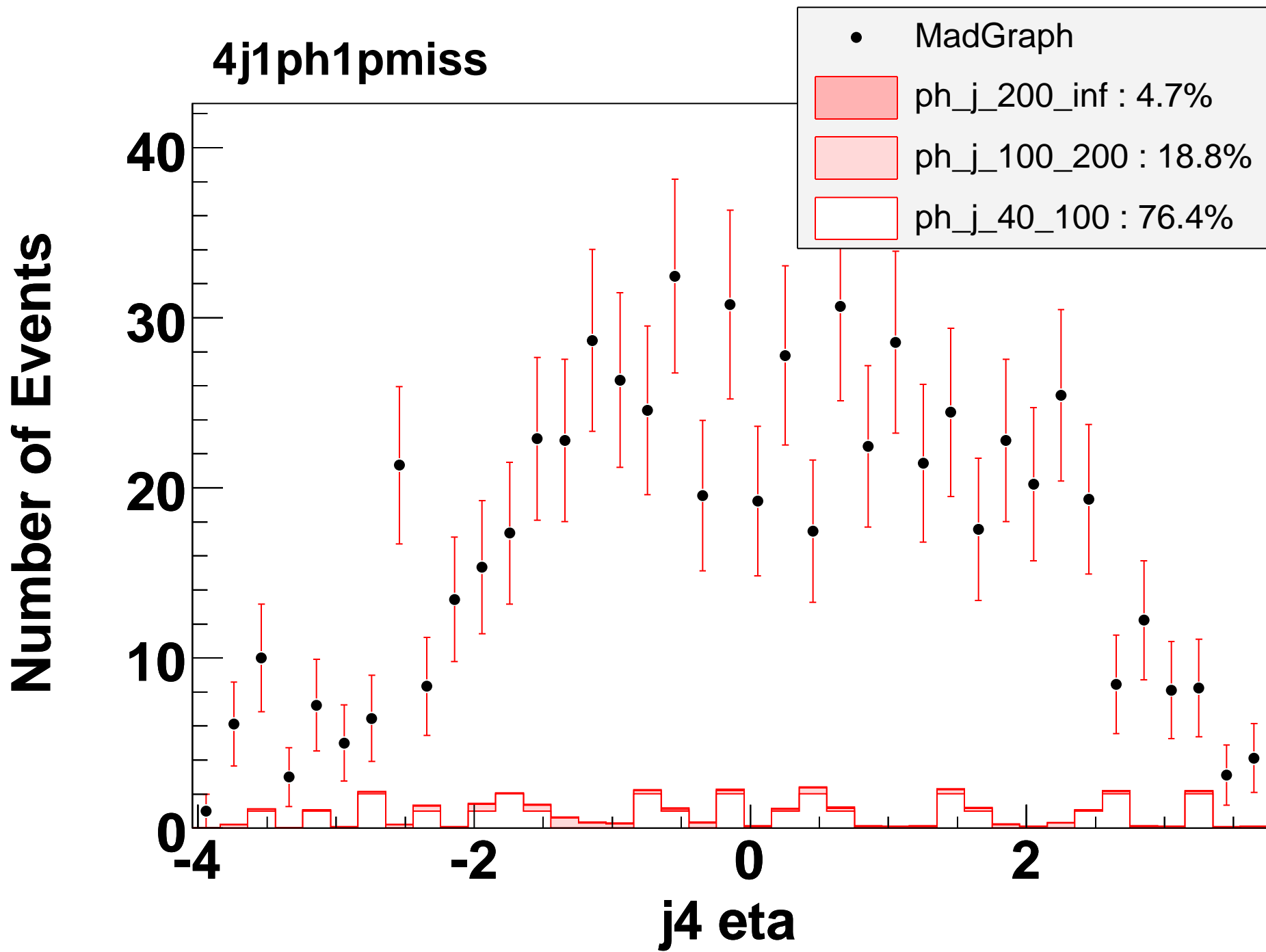
4j1ph1pmiss

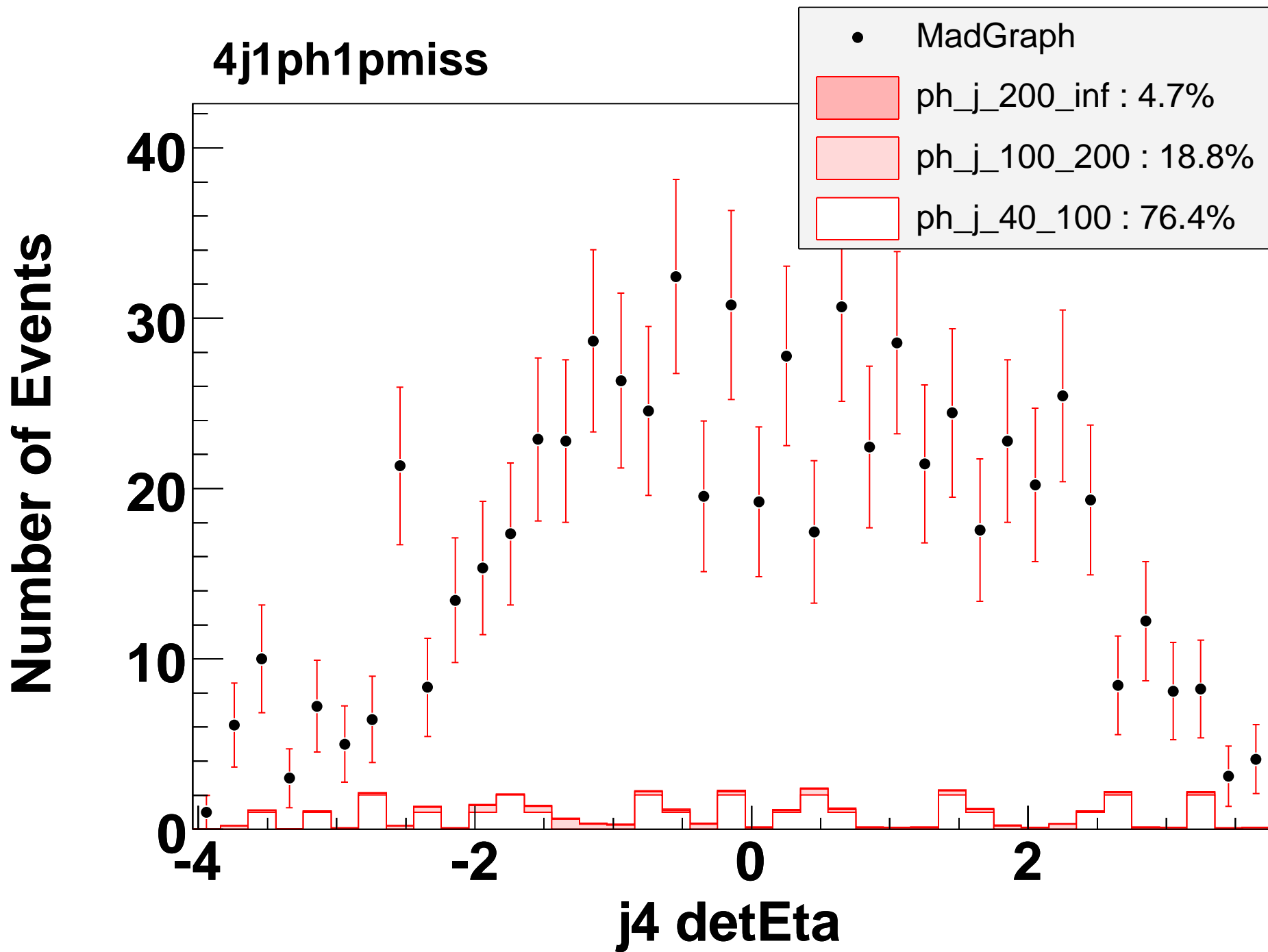
Number of Events

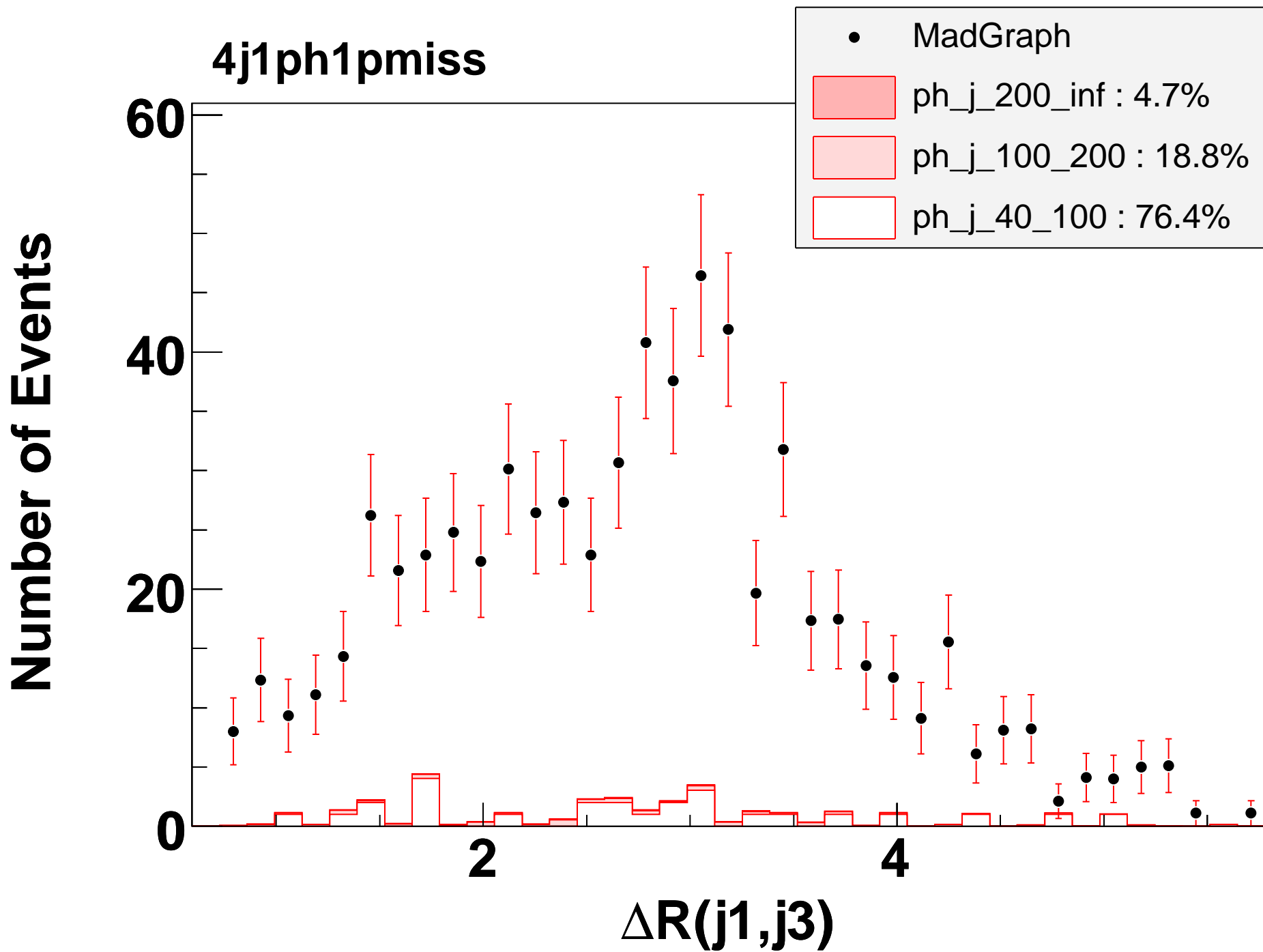






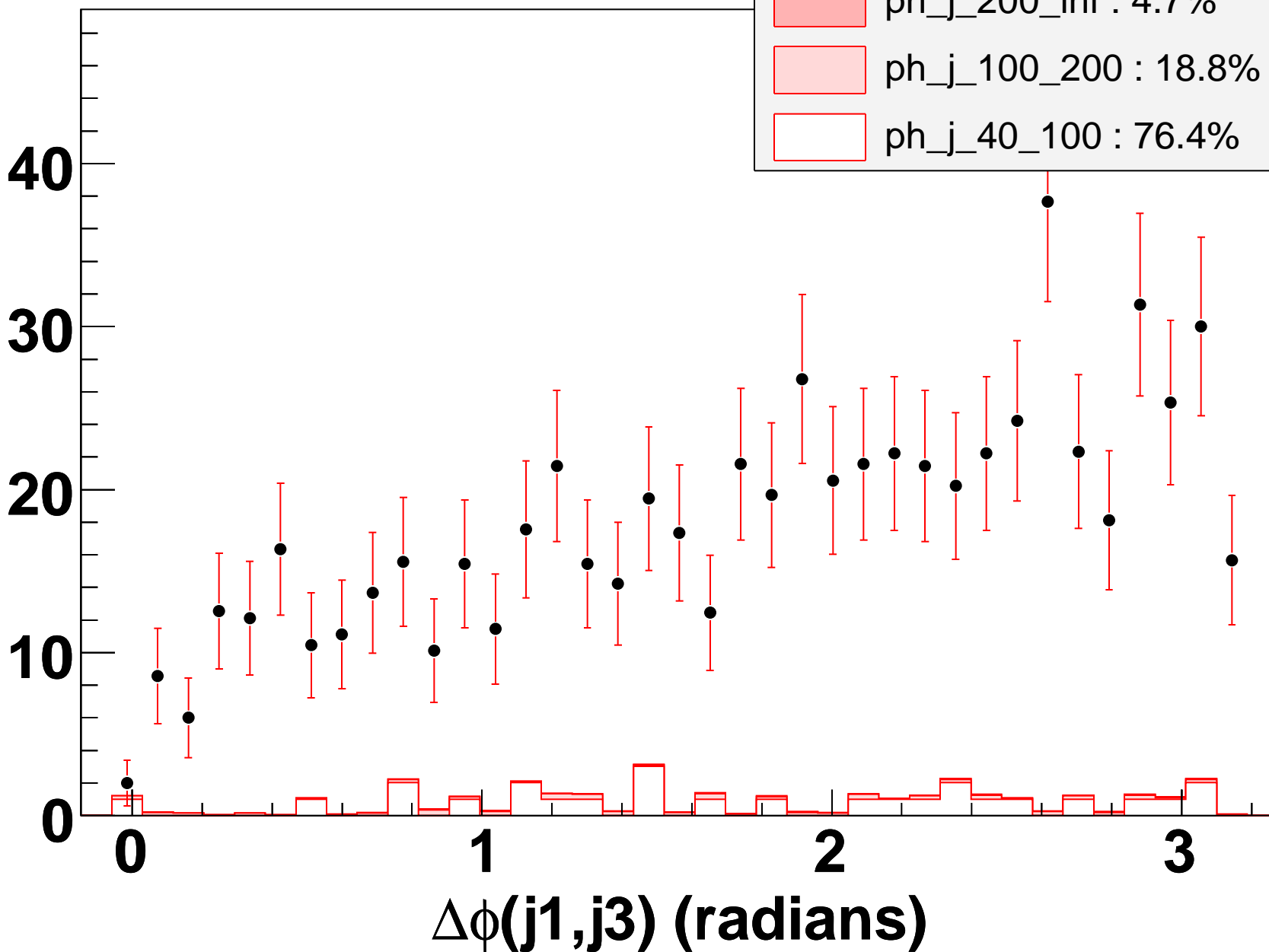


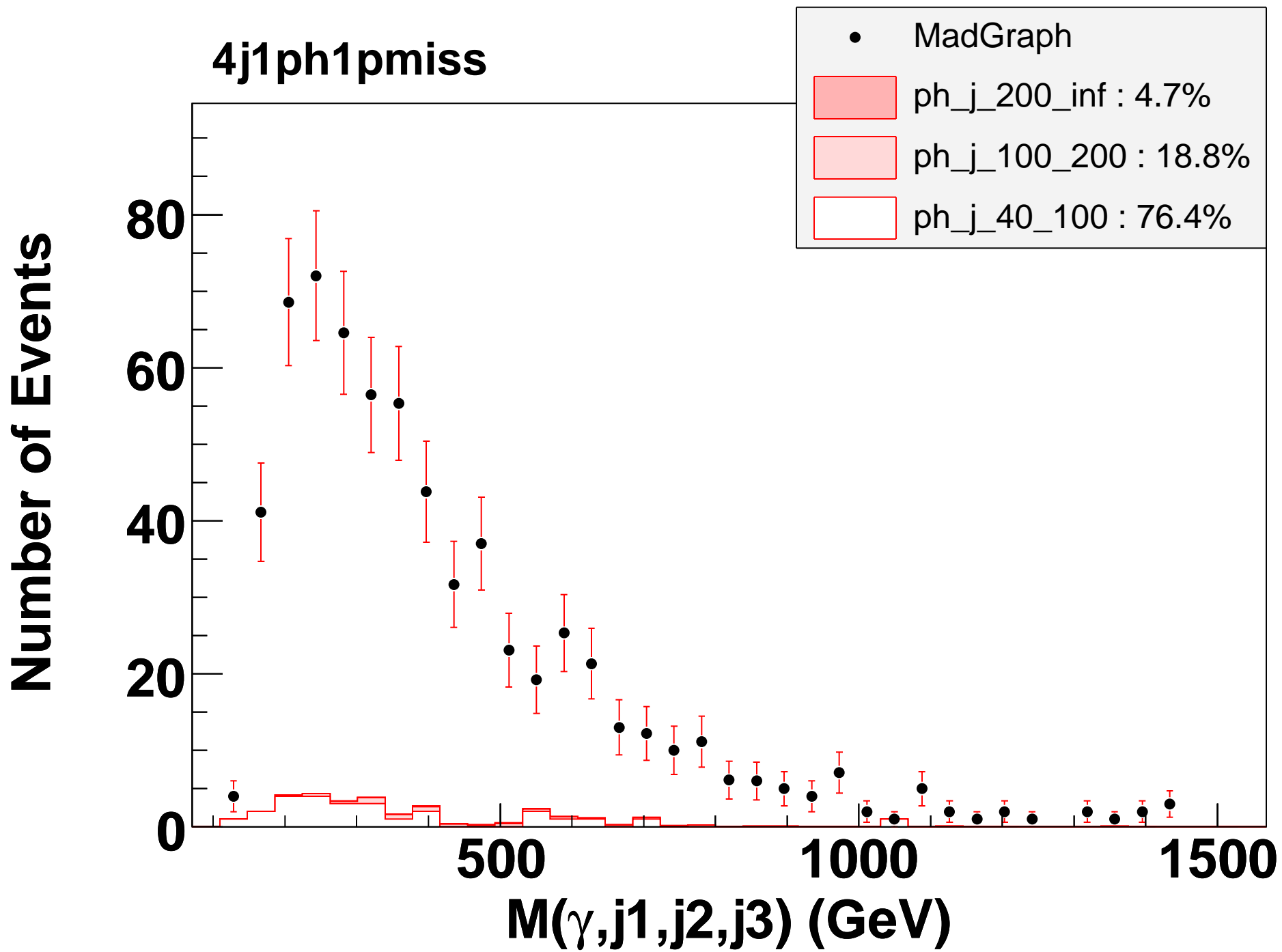


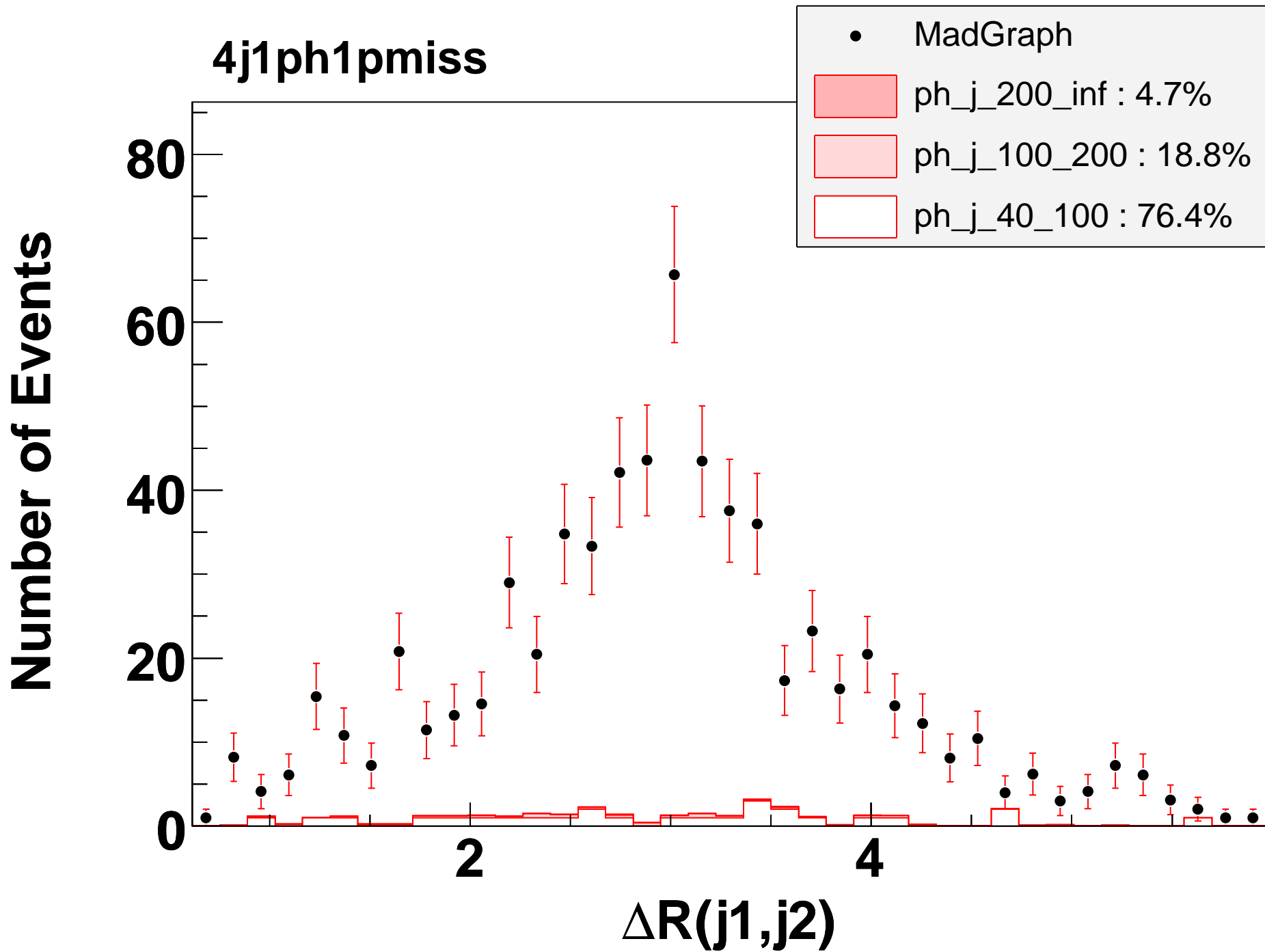


4j1ph1pmiss

Number of Events

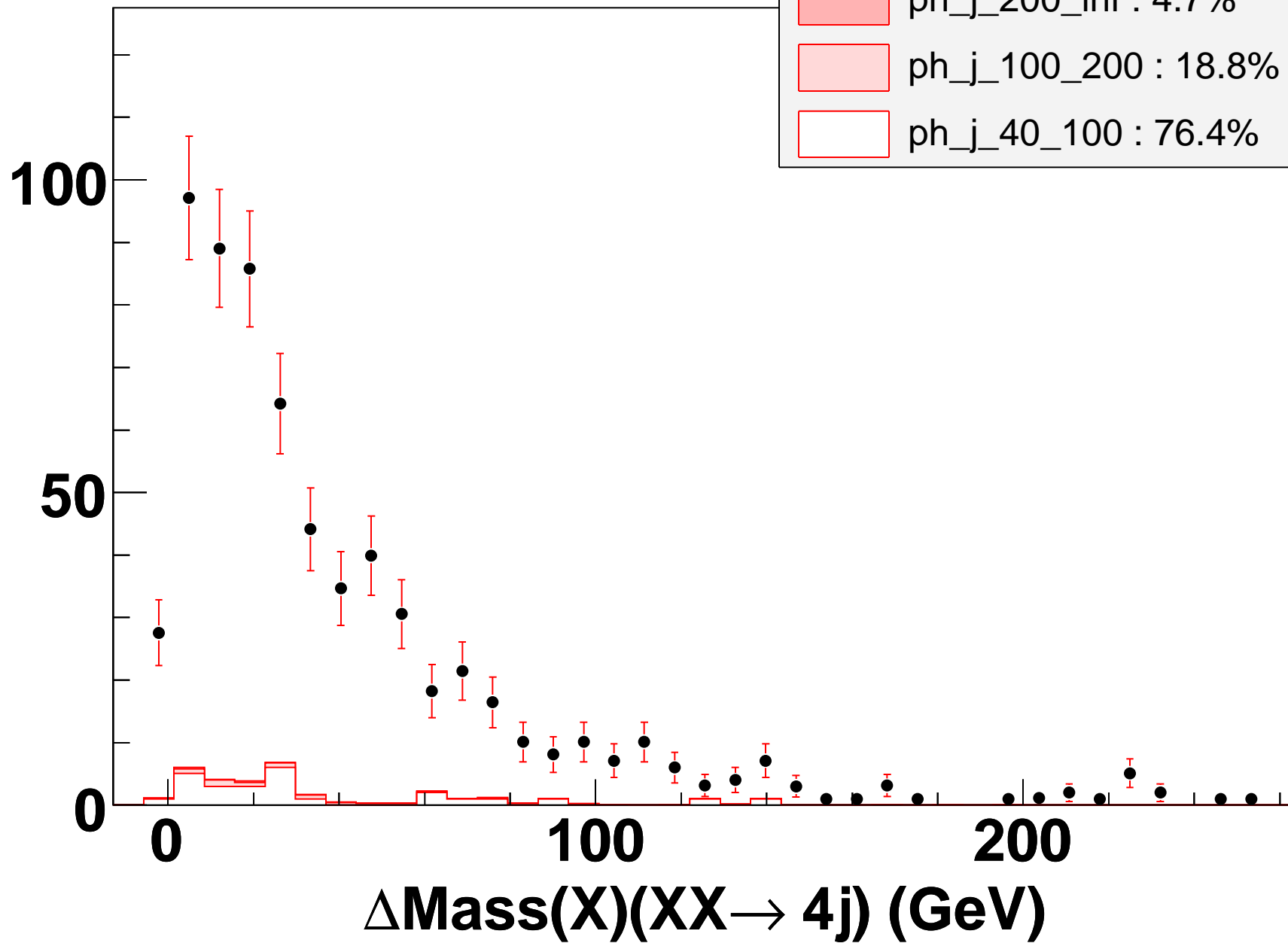






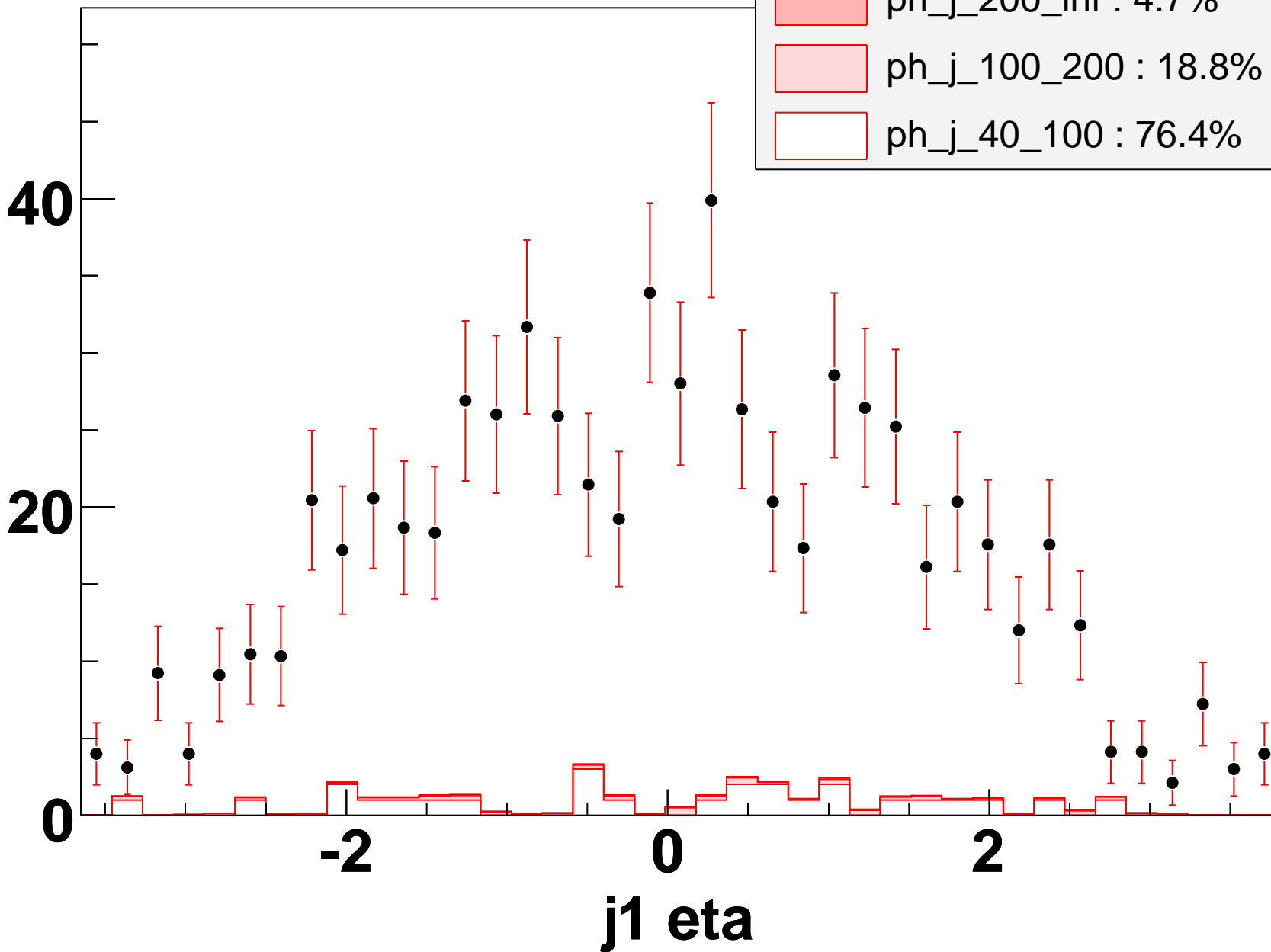
4j1ph1pmiss

Number of Events



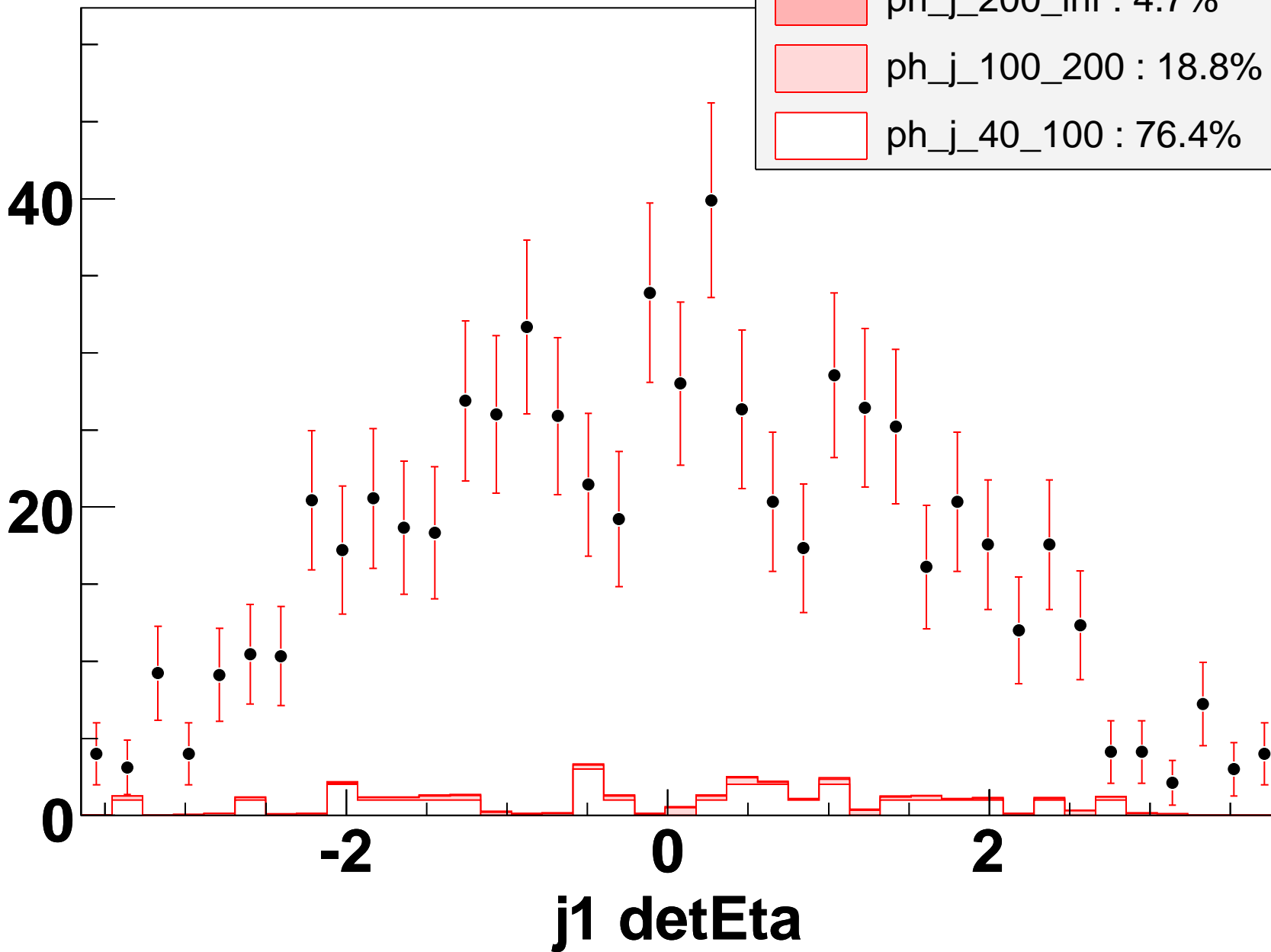
4j1ph1pmiss

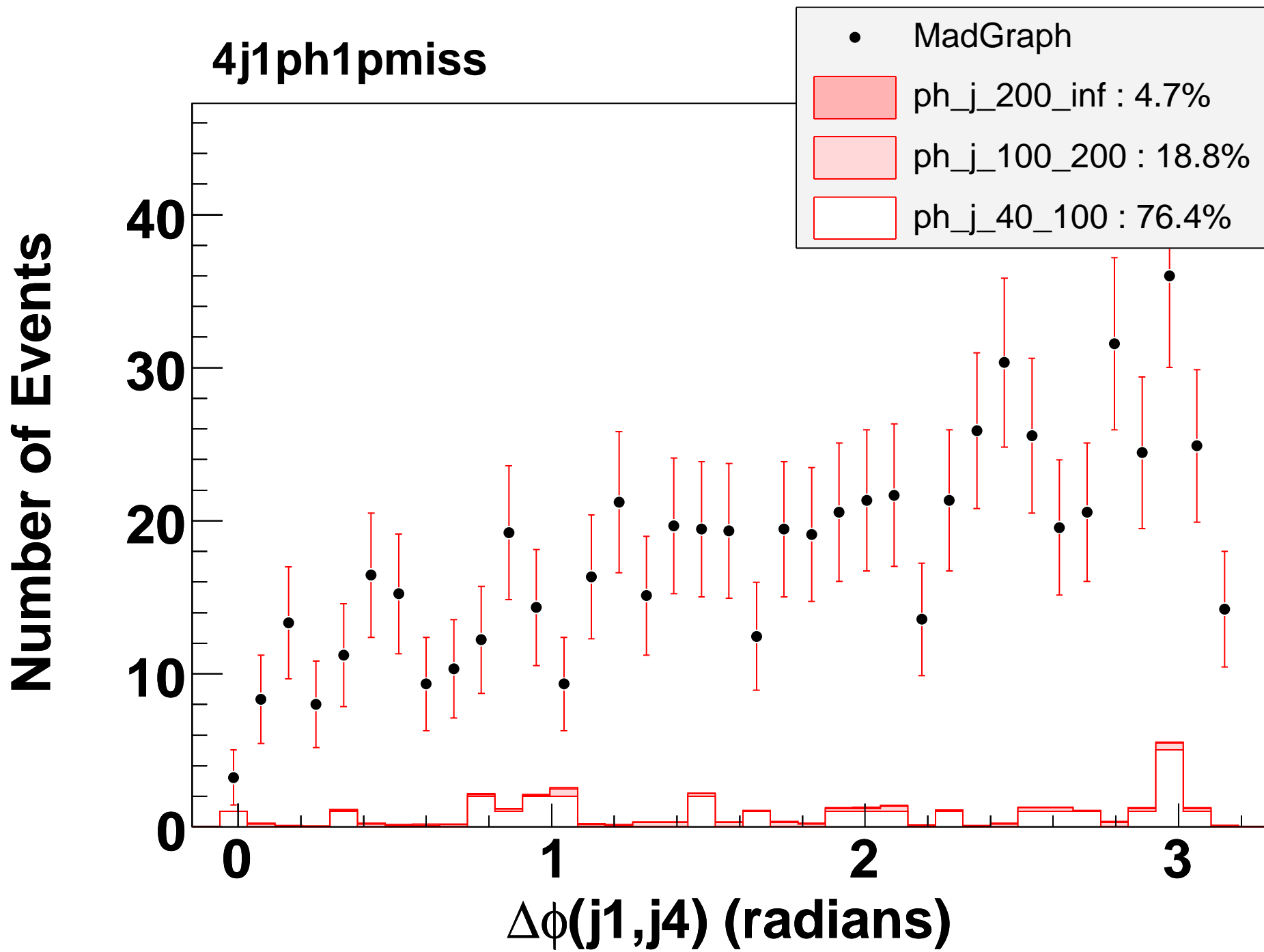
Number of Events

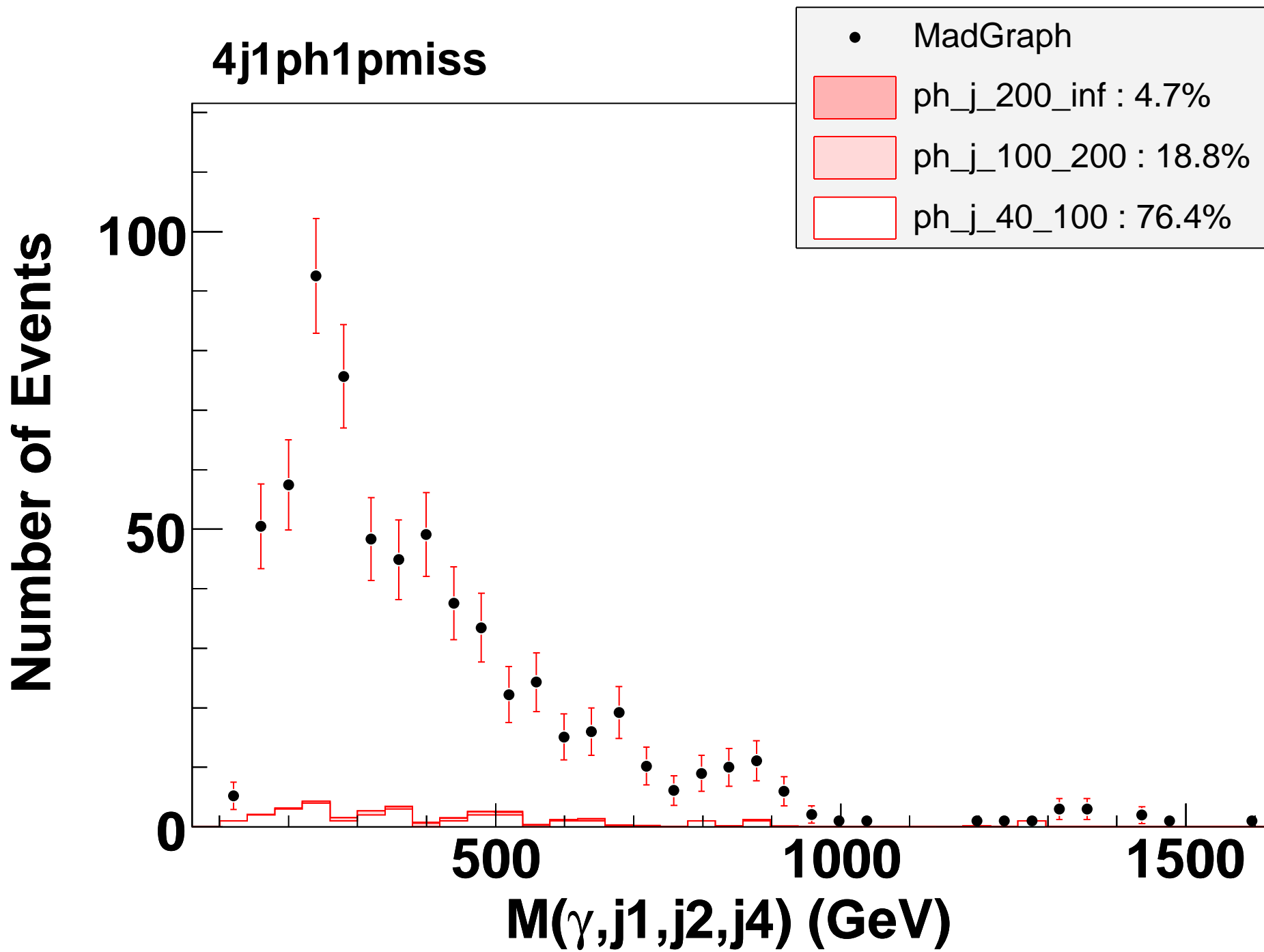


4j1ph1pmiss

Number of Events

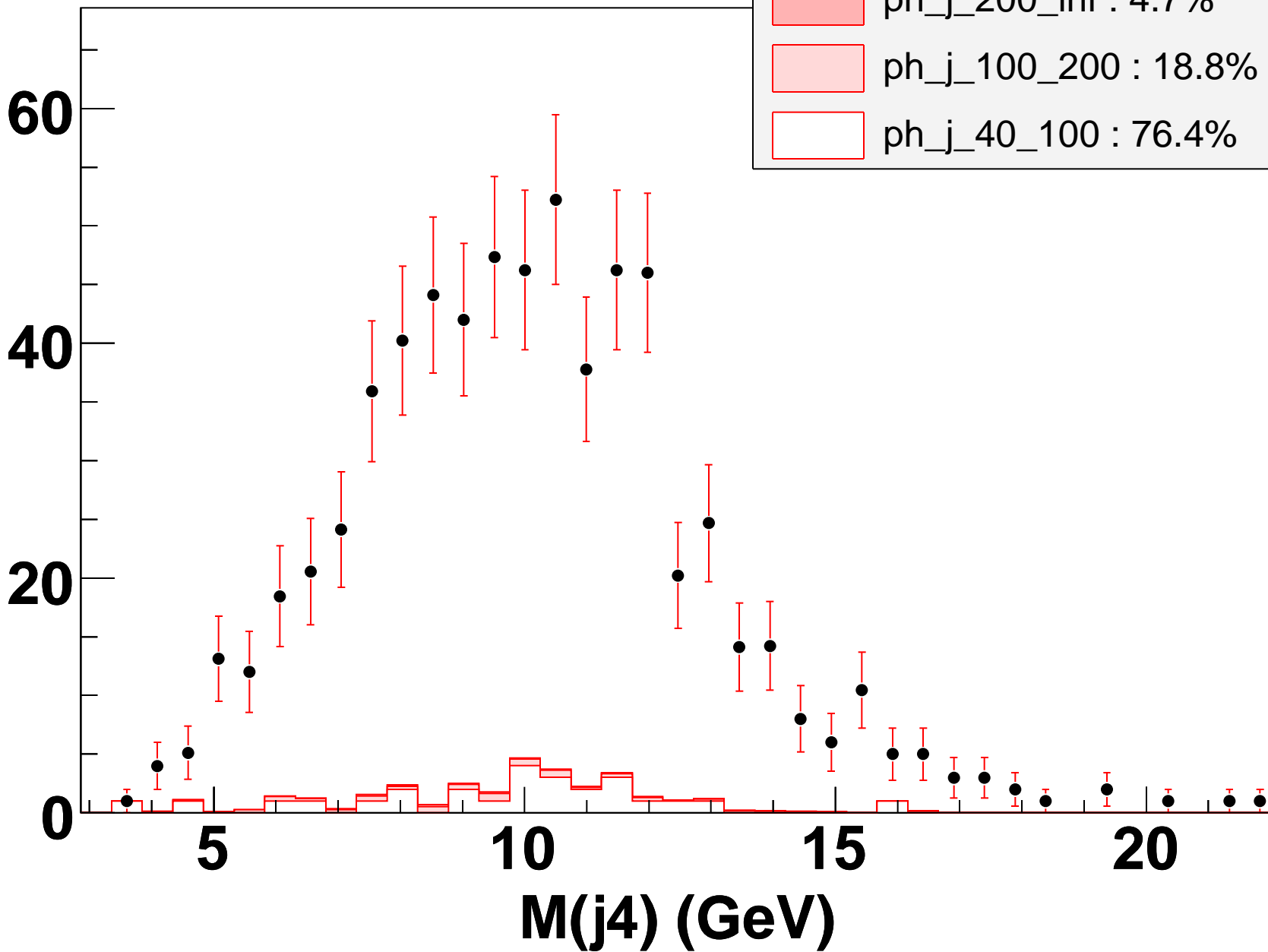






4j1ph1pmiss

Number of Events



4j1ph1pmiss

Number of Events

