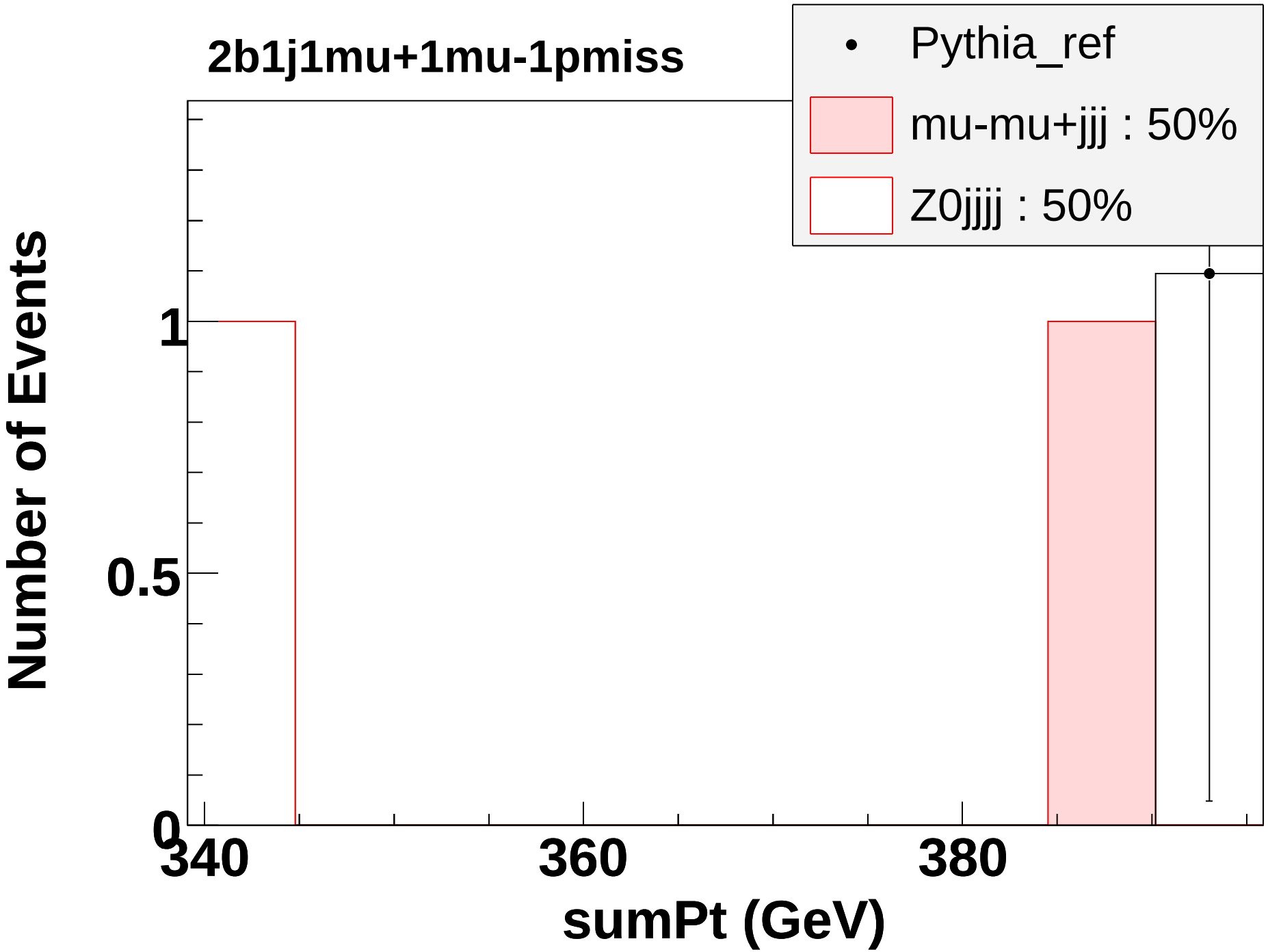
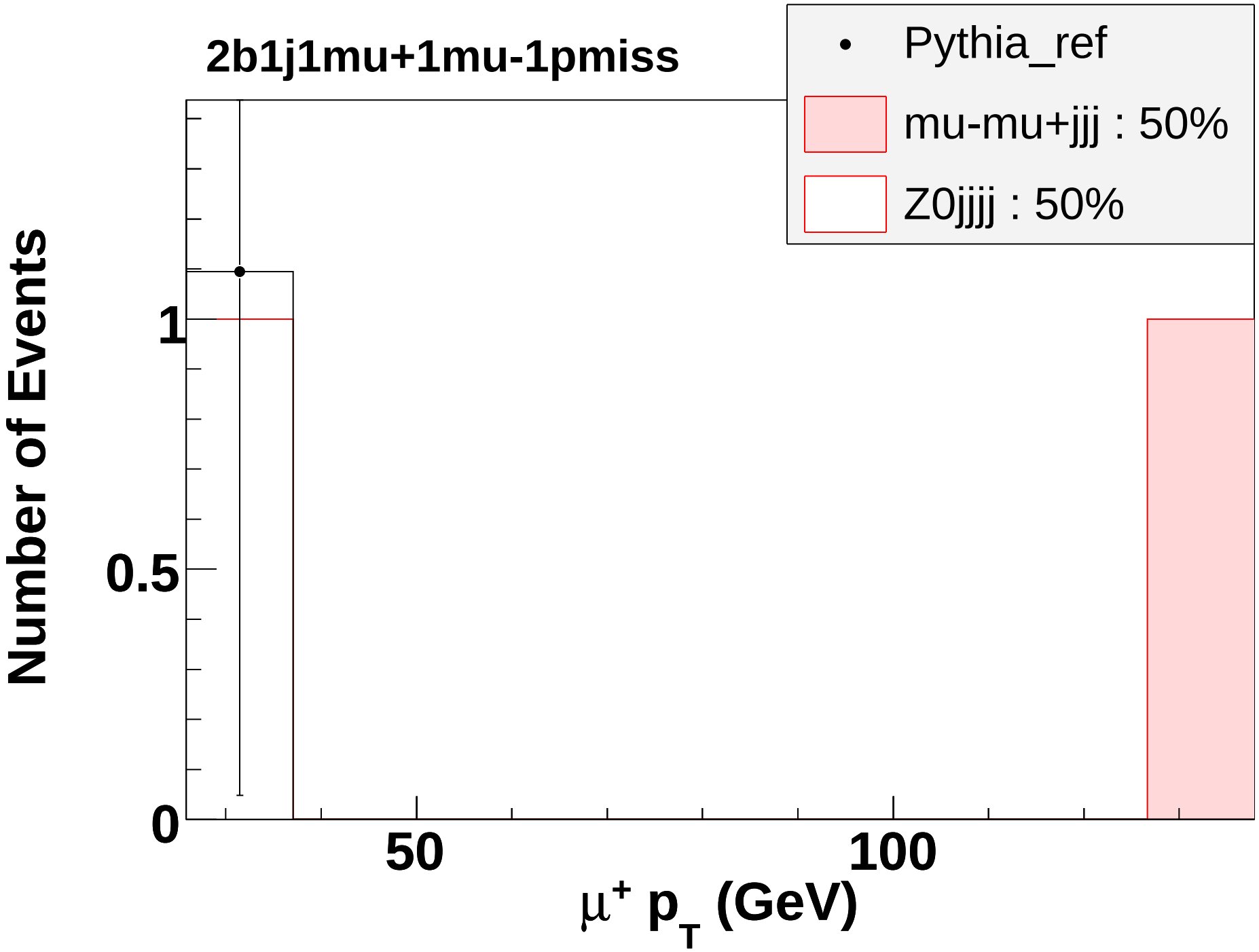
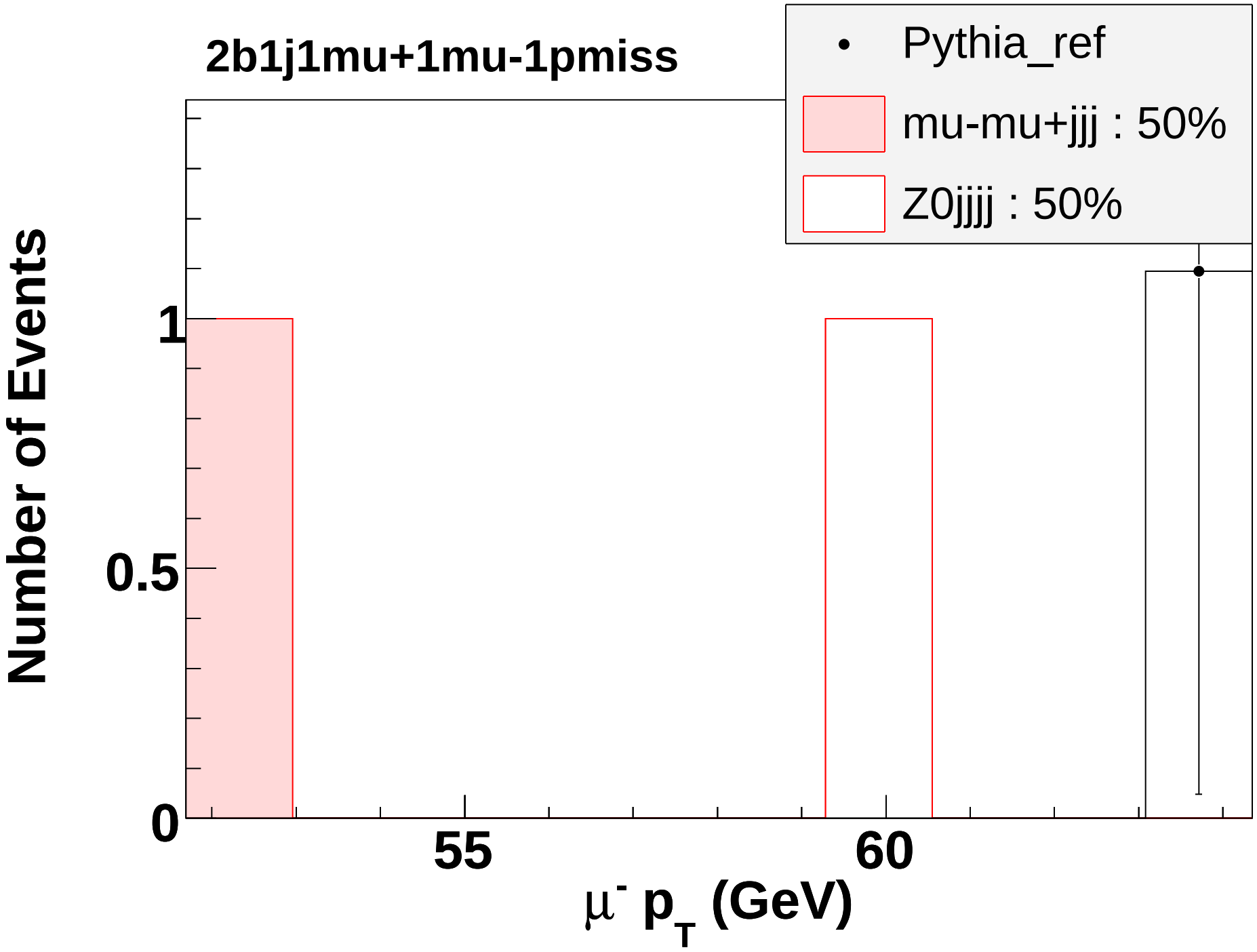
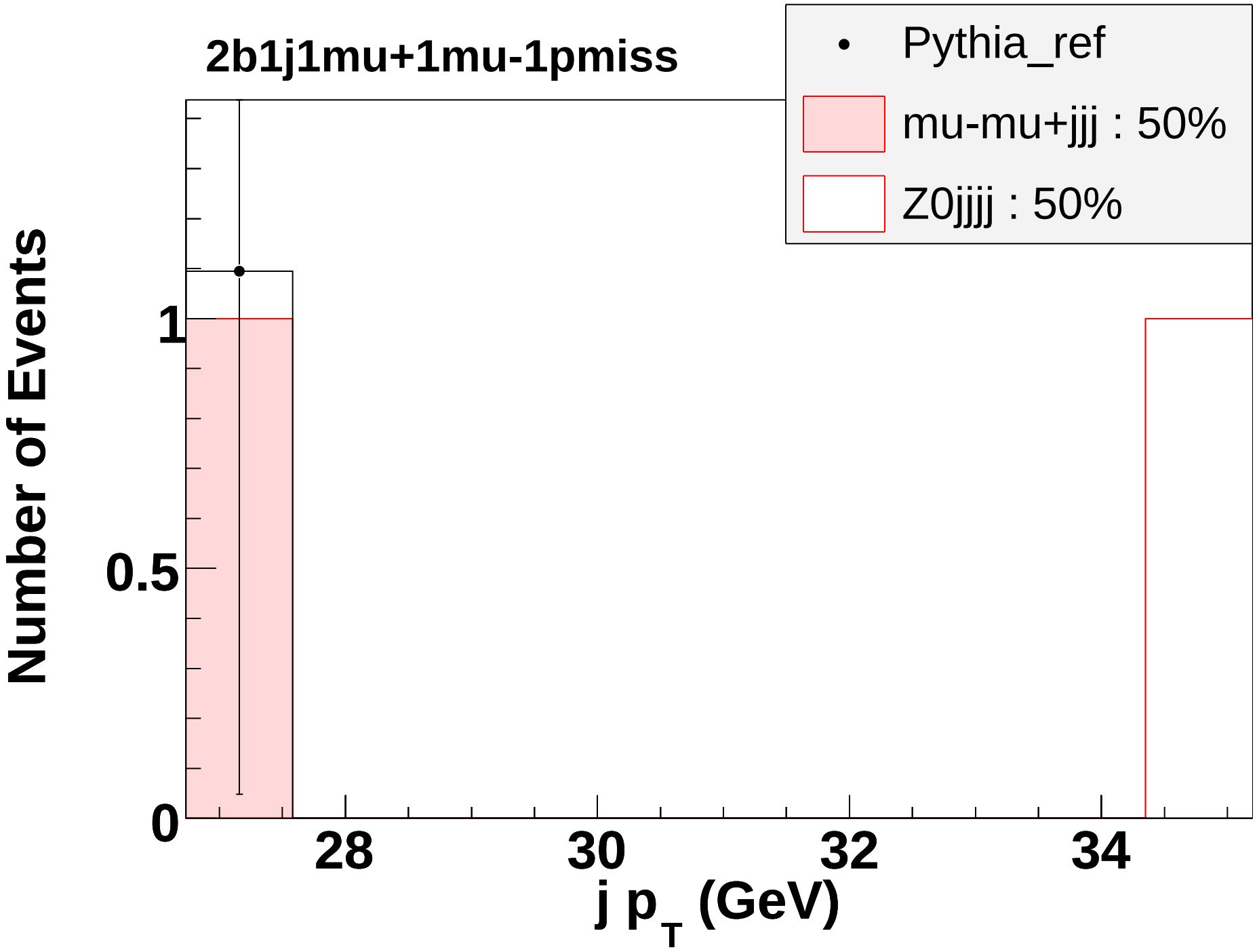
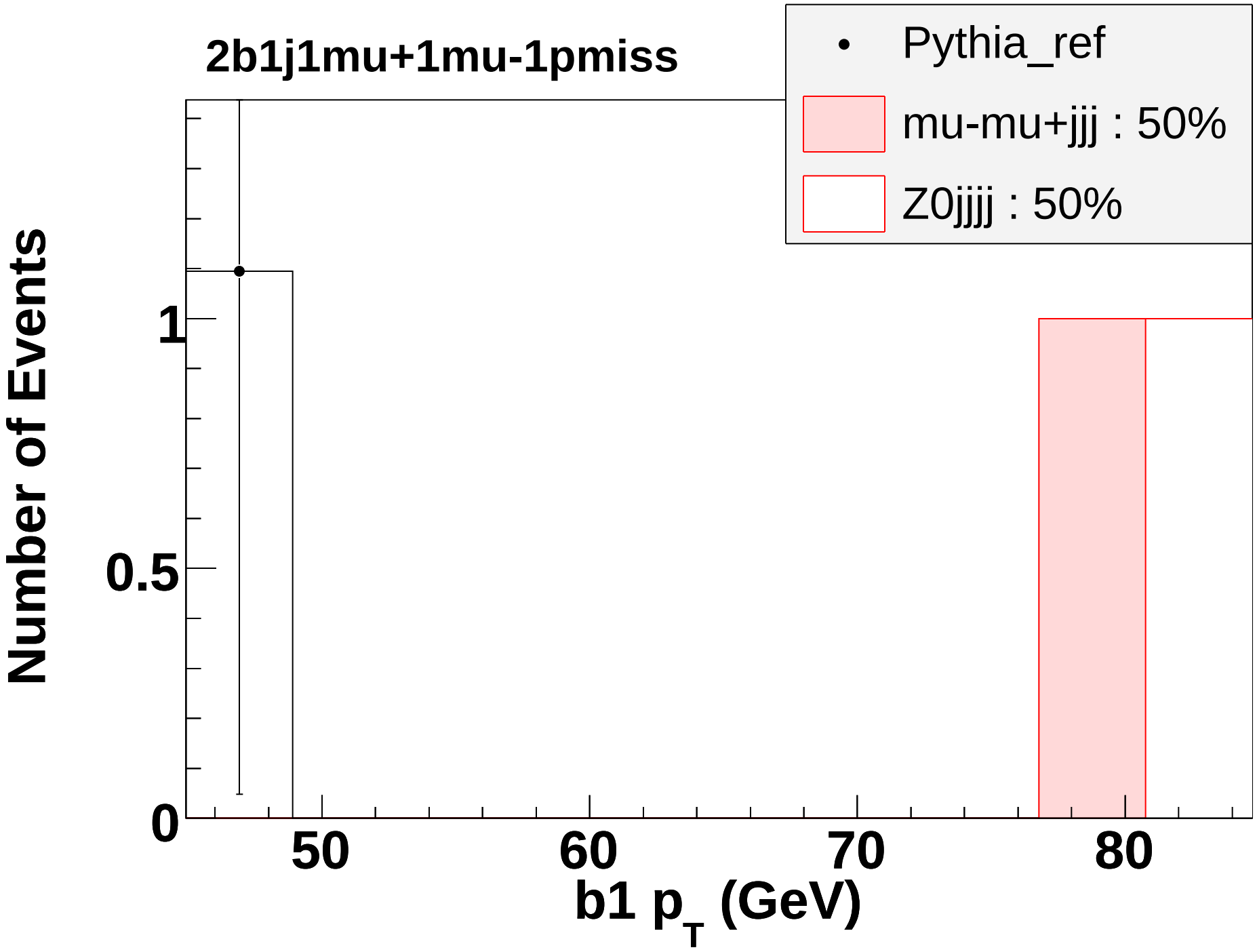
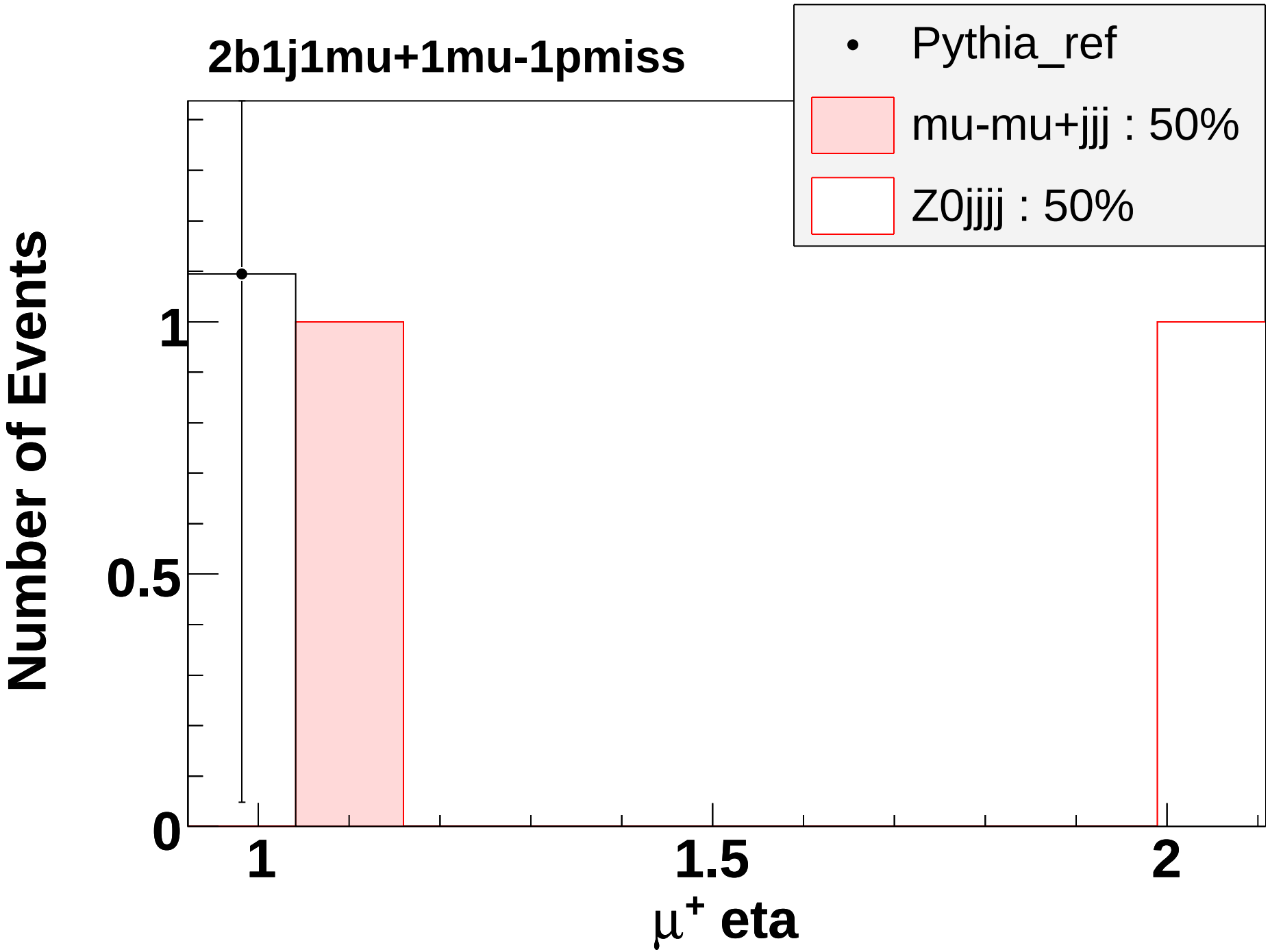

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
340
360
380
sumPt (GeV)

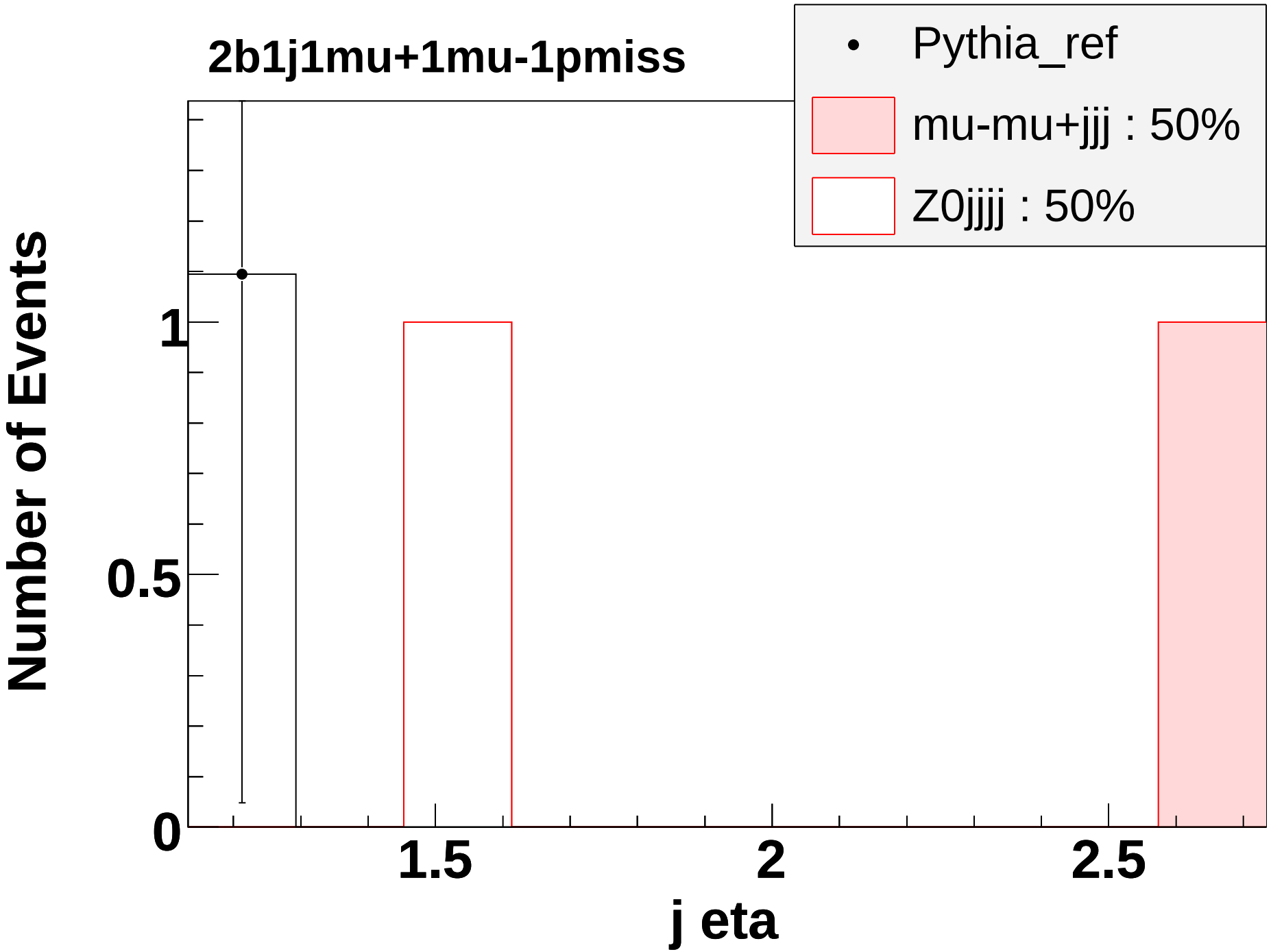

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
50
100
μ+ pT (GeV)

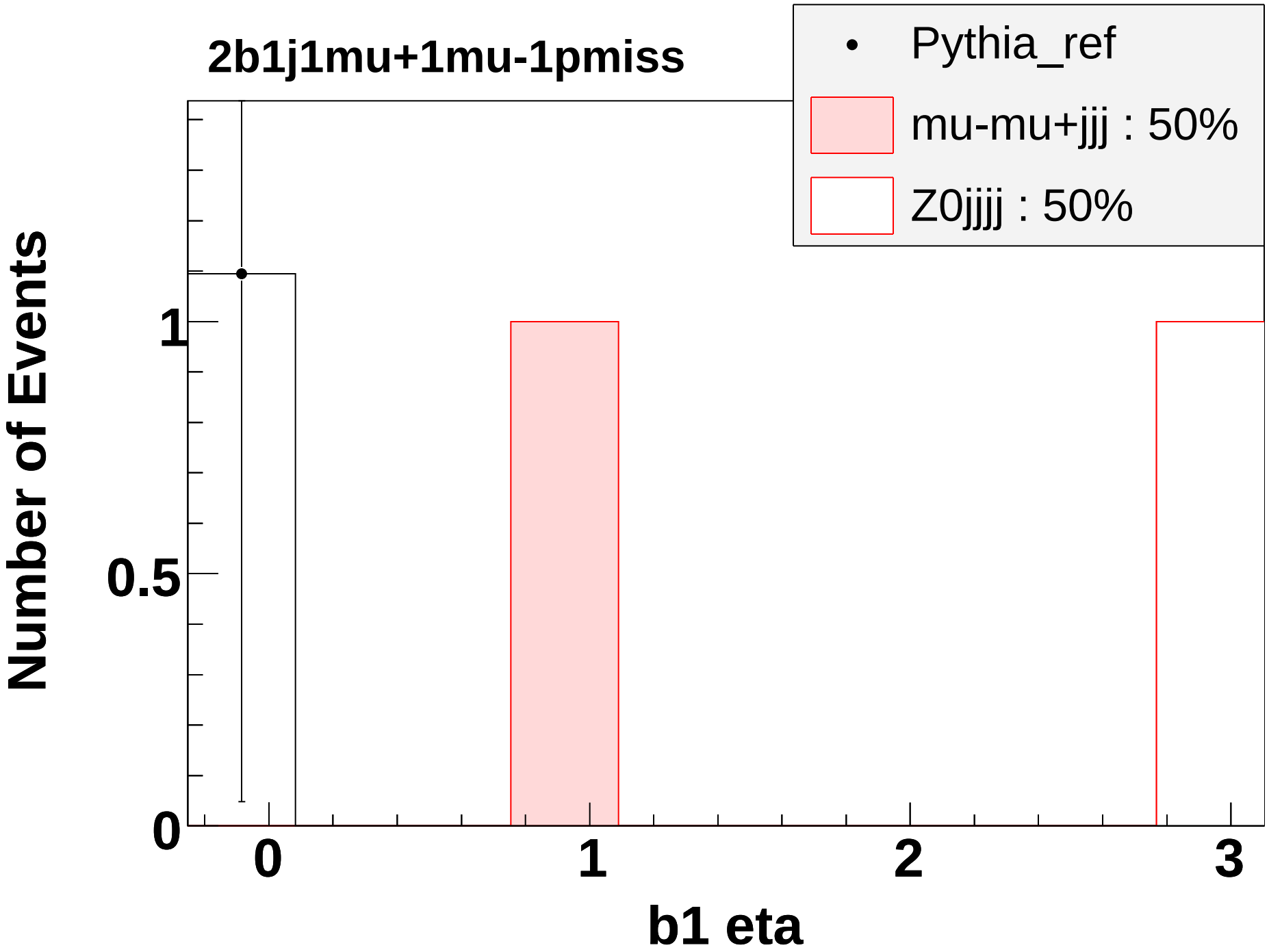

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
55
60
μ- pT (GeV)

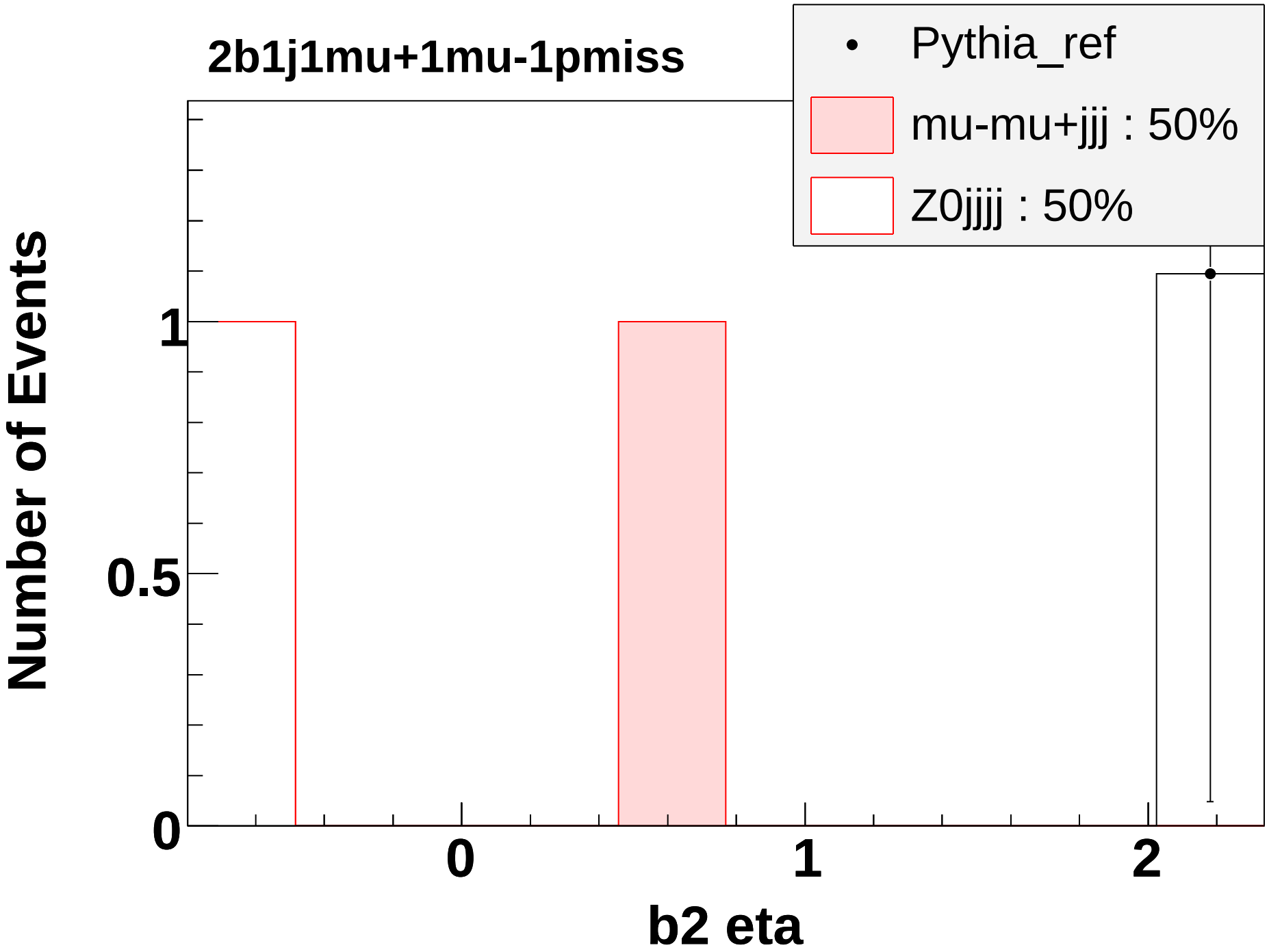

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
28
30
32
34
j p_T (GeV)

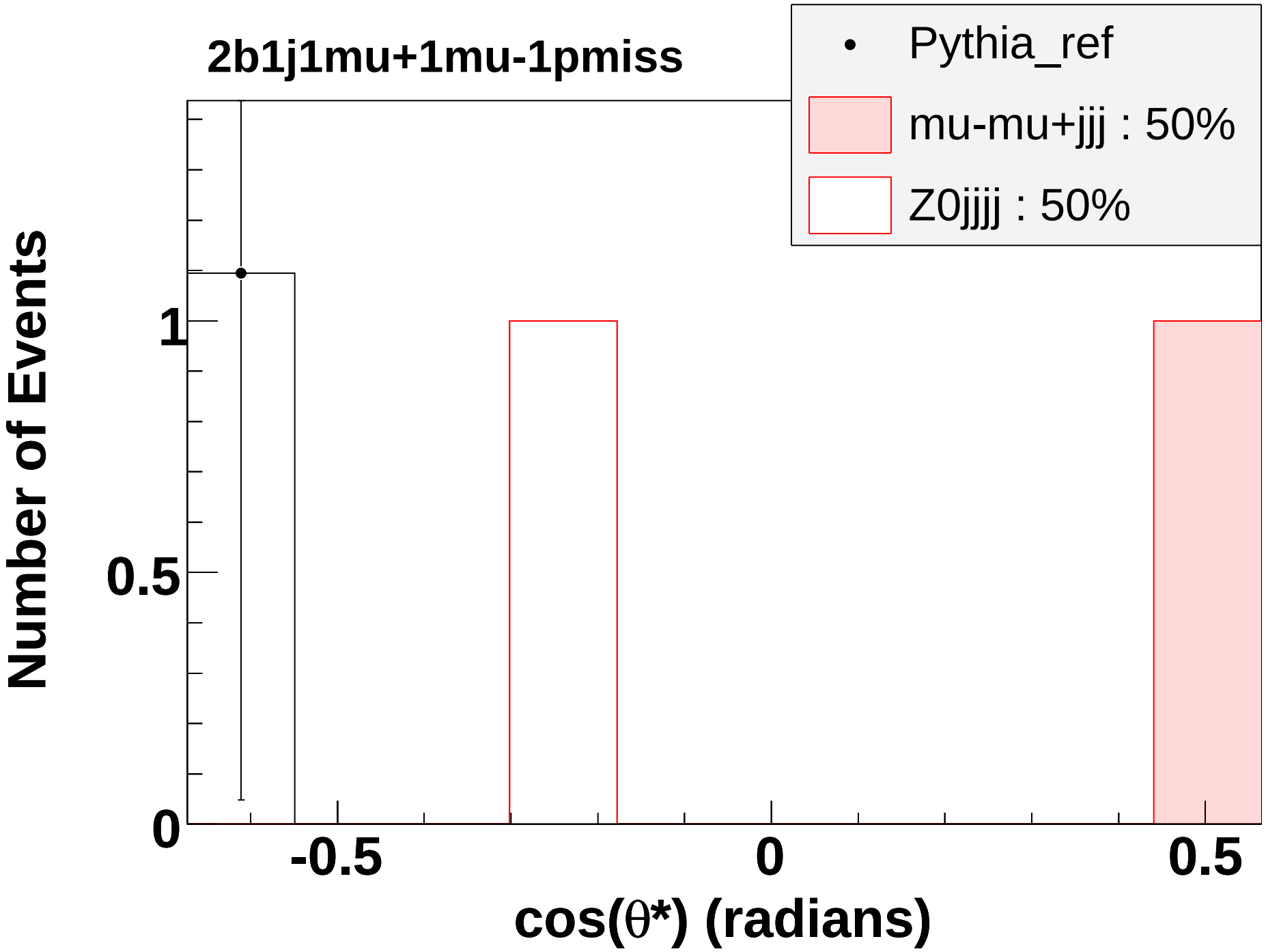

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
50
60
70
80
b1 p_T (GeV)

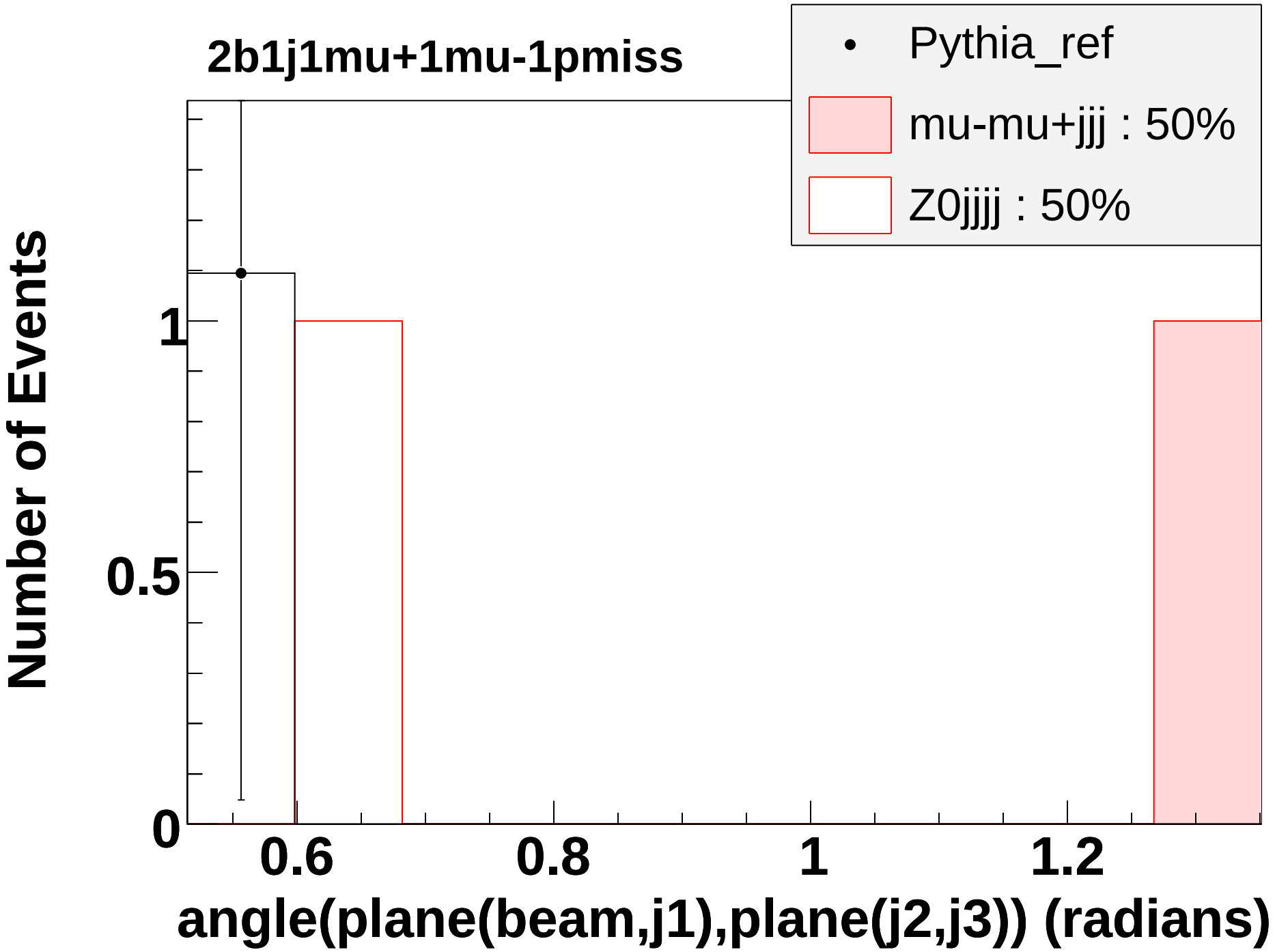

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
1
1.5
2
μ+ eta

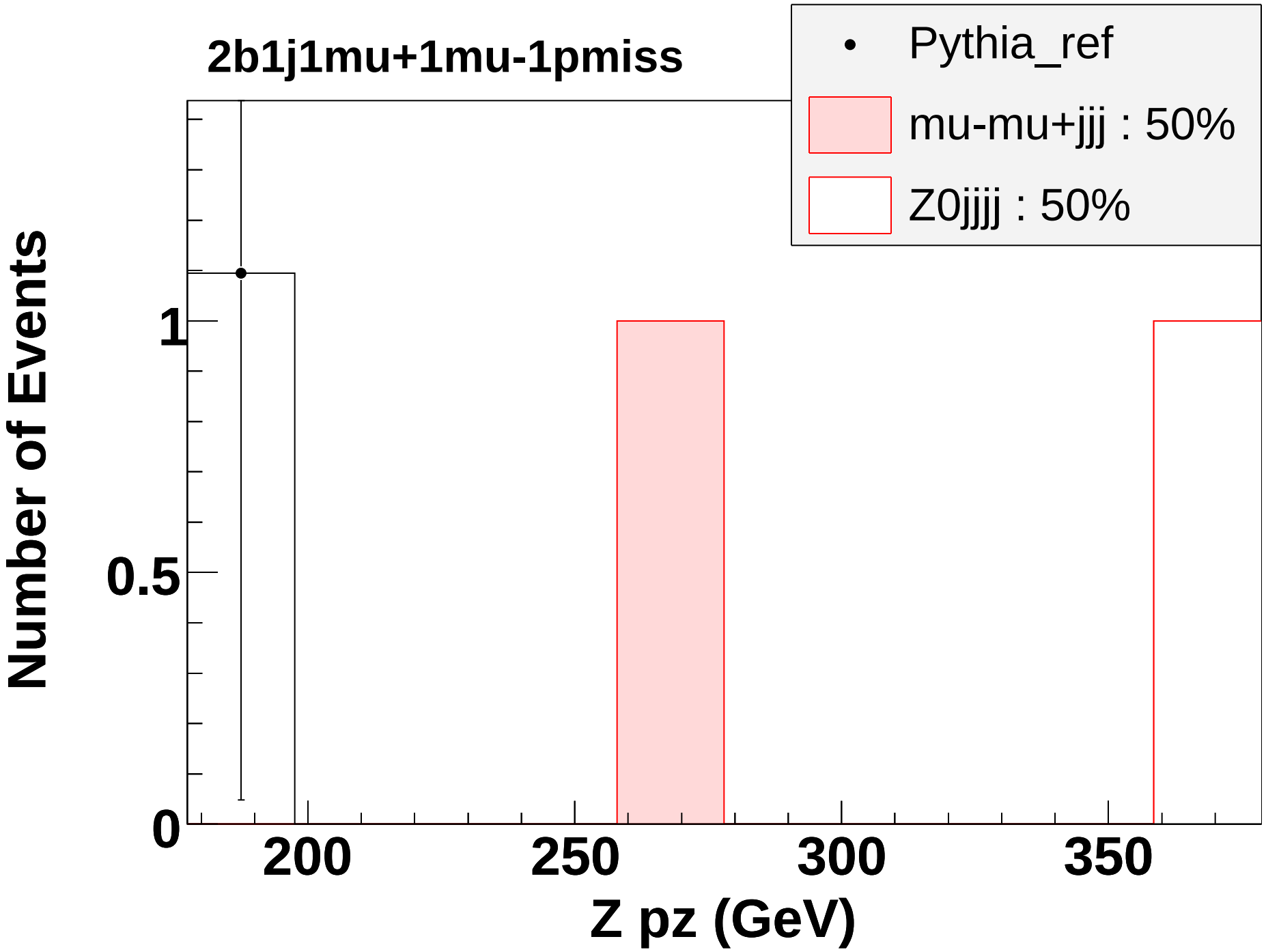

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
1.5
2
2.5
j eta

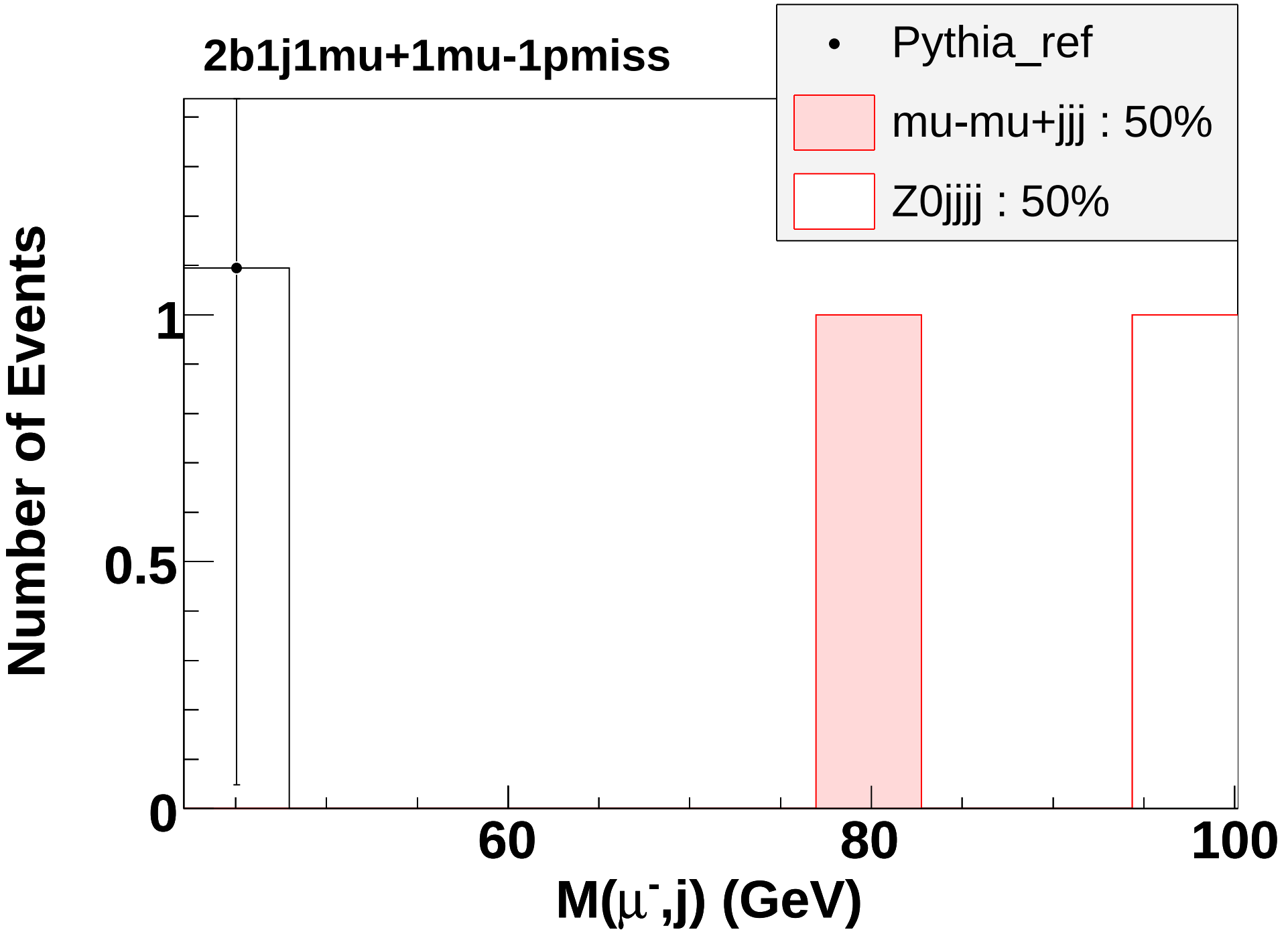

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
0
1
2
3
b1 eta

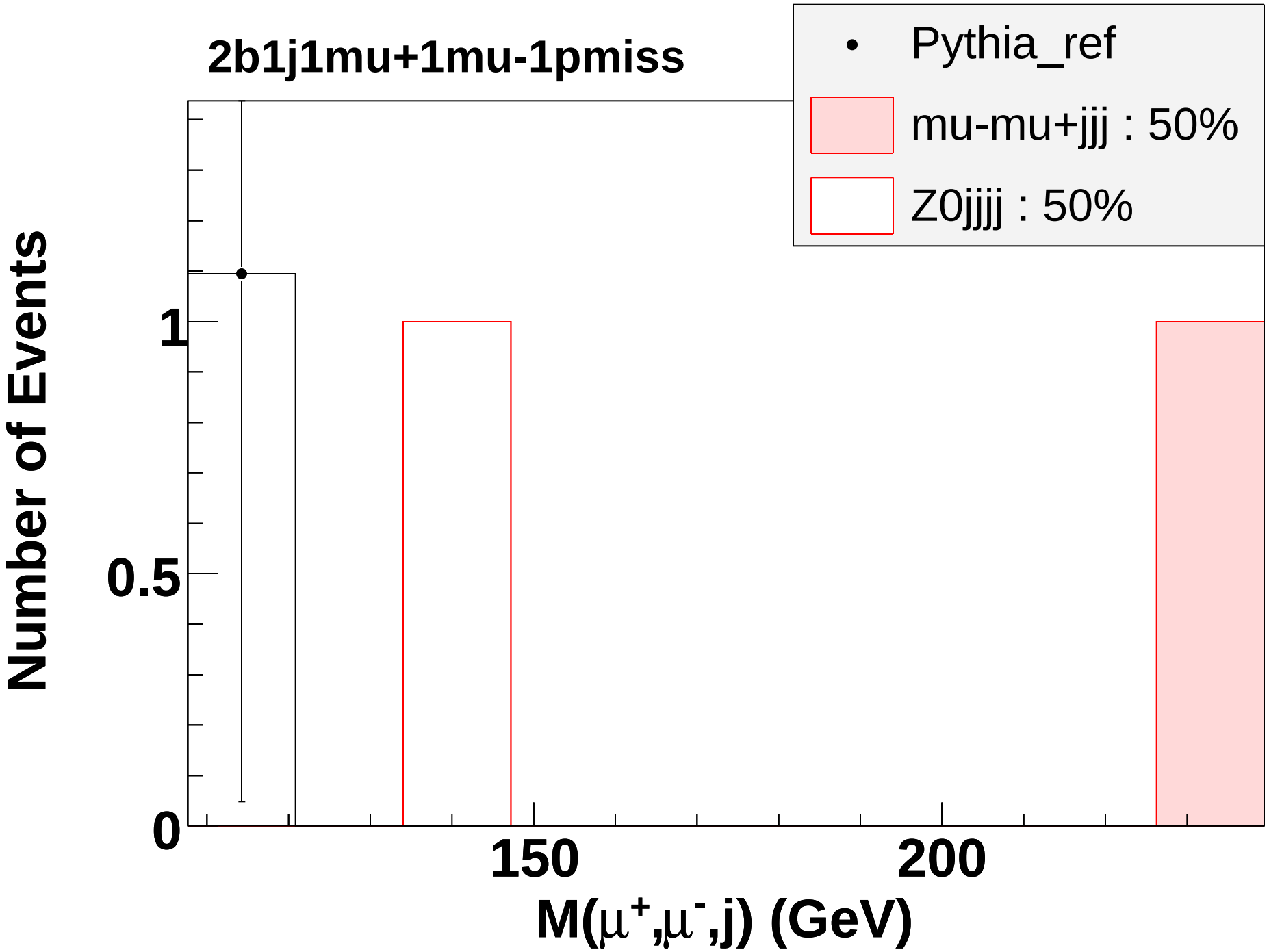

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
0
1
2
b2 eta

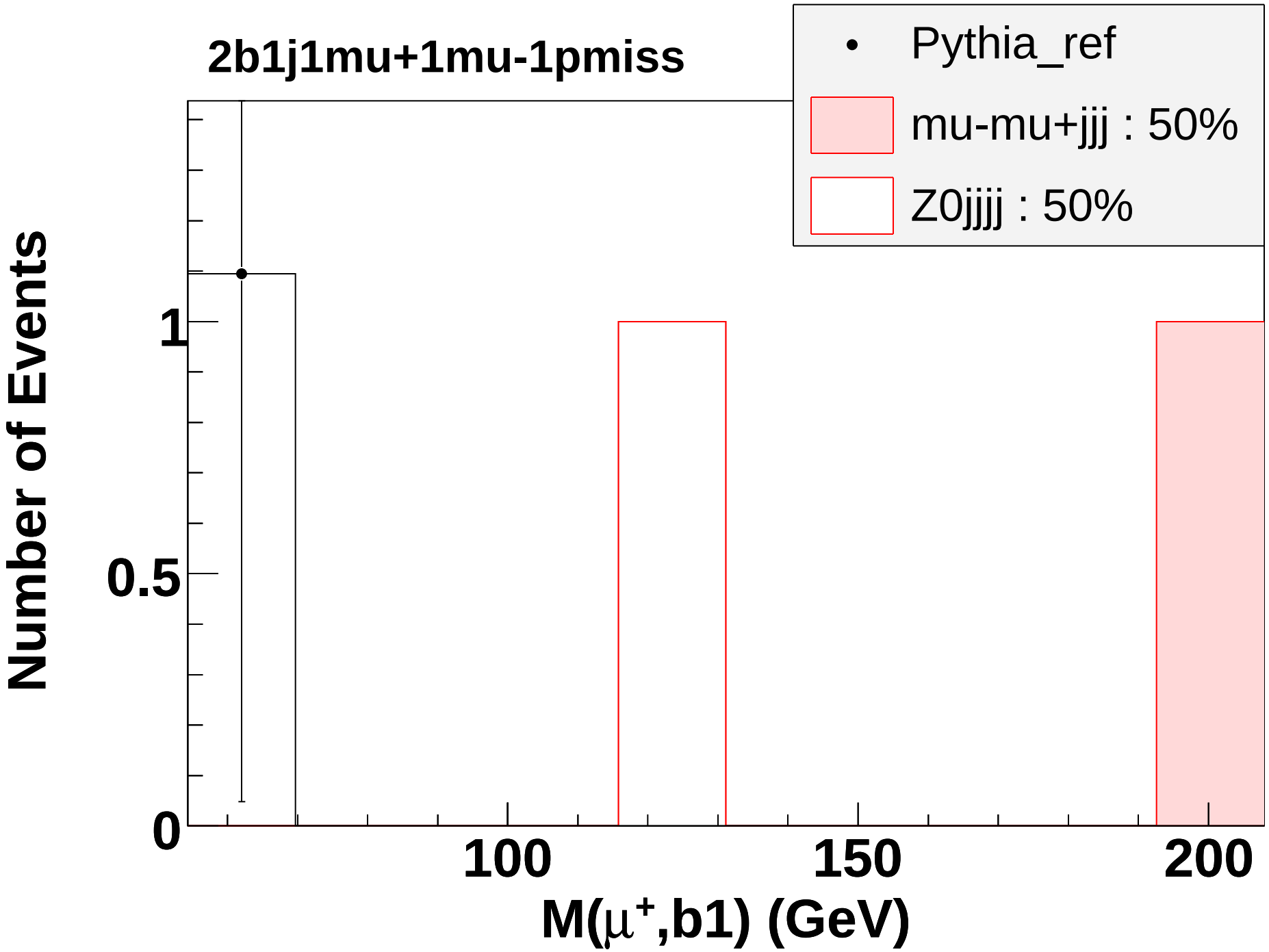

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
1
0.5
0
-0.5
0
0.5
cos(θ*) (radians)

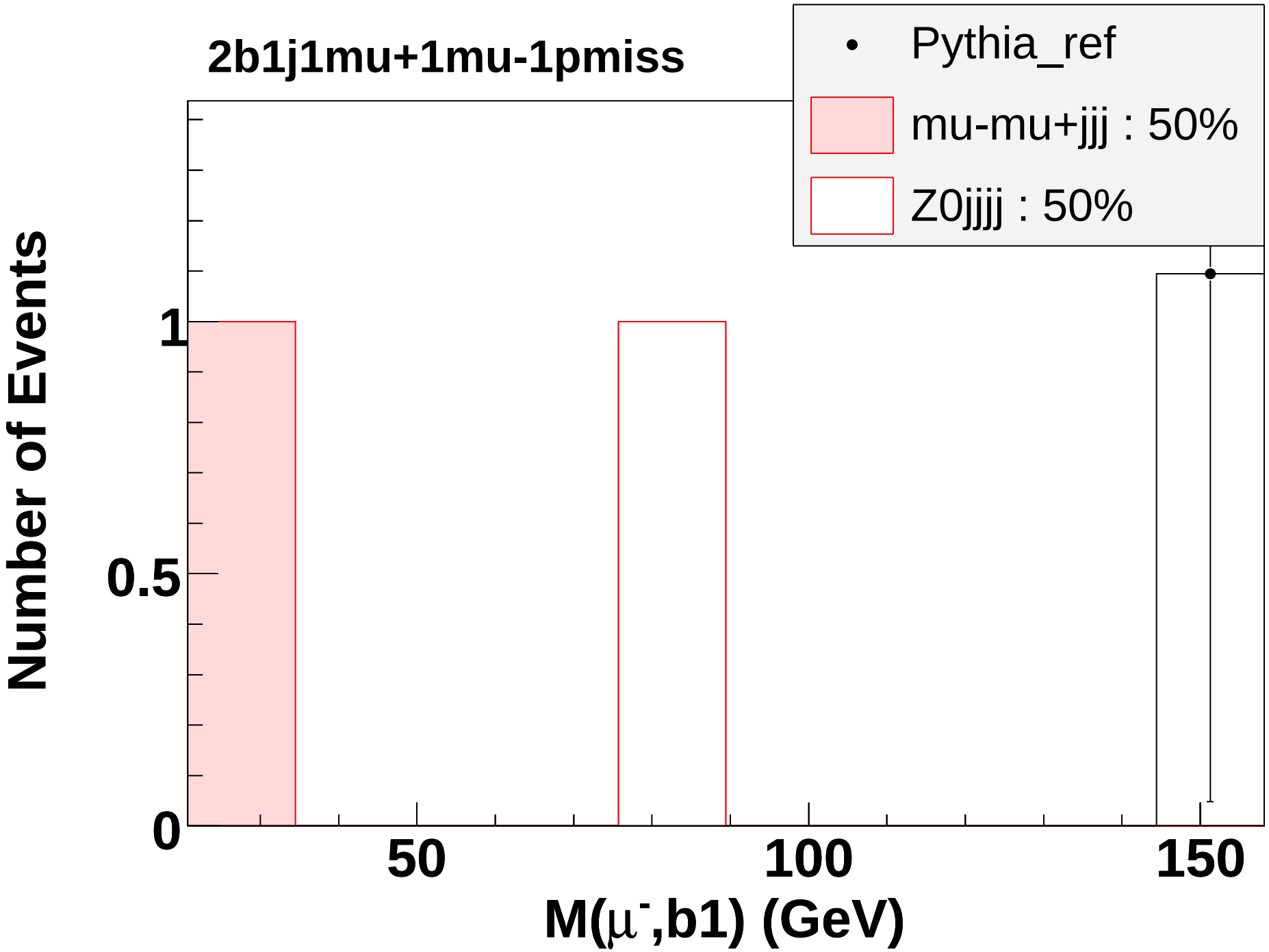

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
0.6
0.8
1
1.2
angle(plane(beam,j1),plane(j2,j3)) (radians)

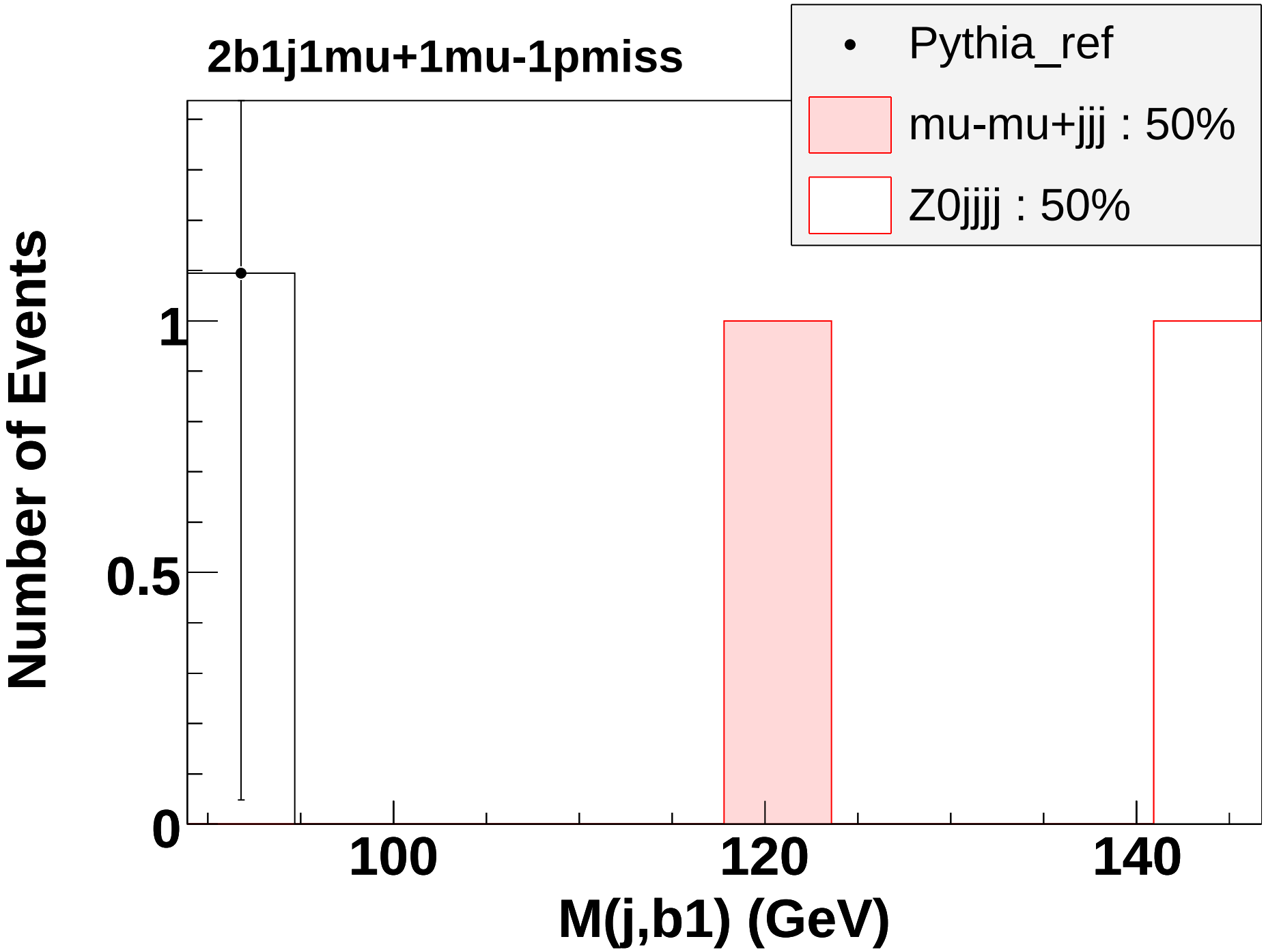

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
200
250
300
350
Z pz (GeV)

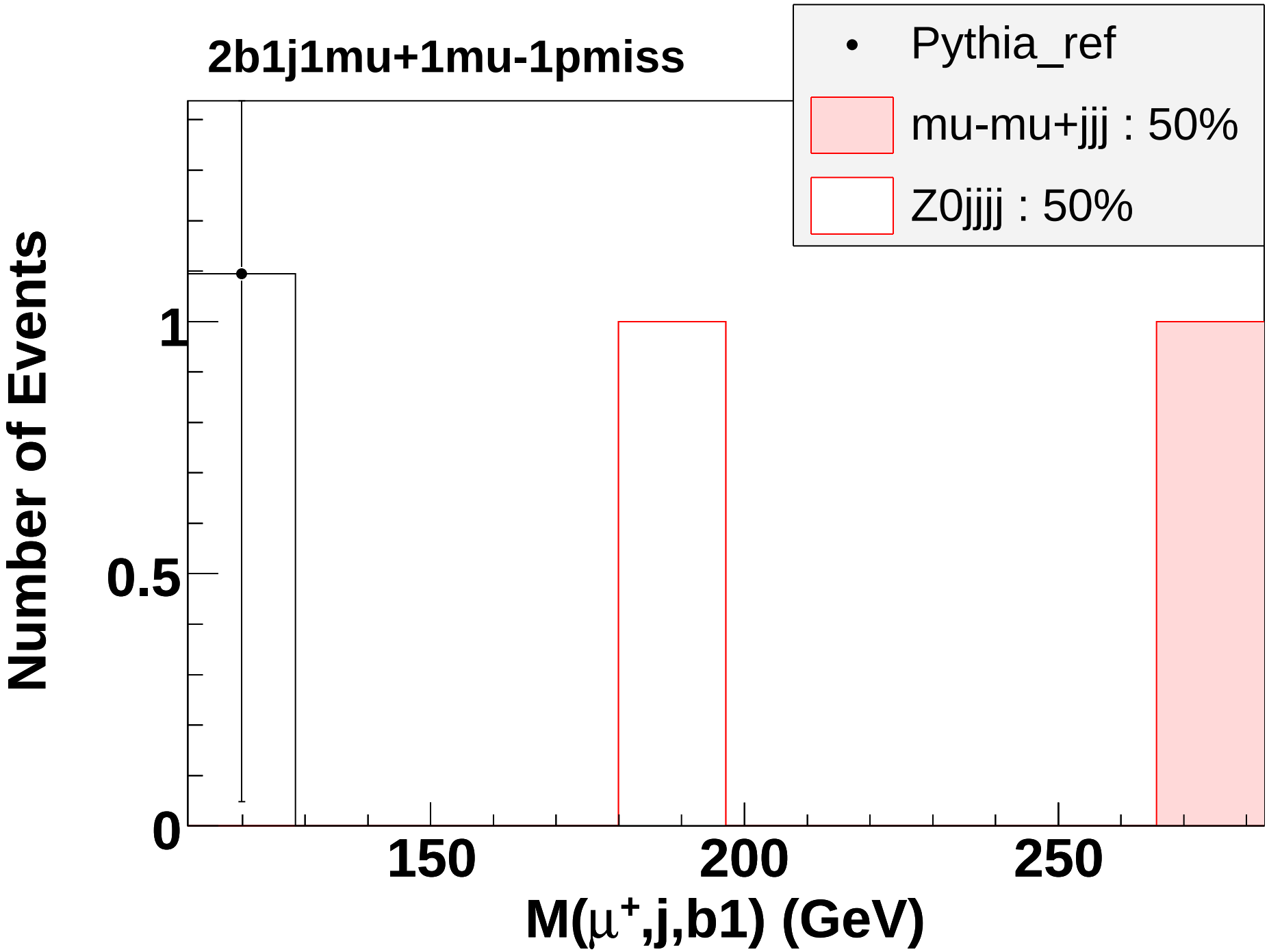

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
60
80
100
M(μ⁻,j) (GeV)

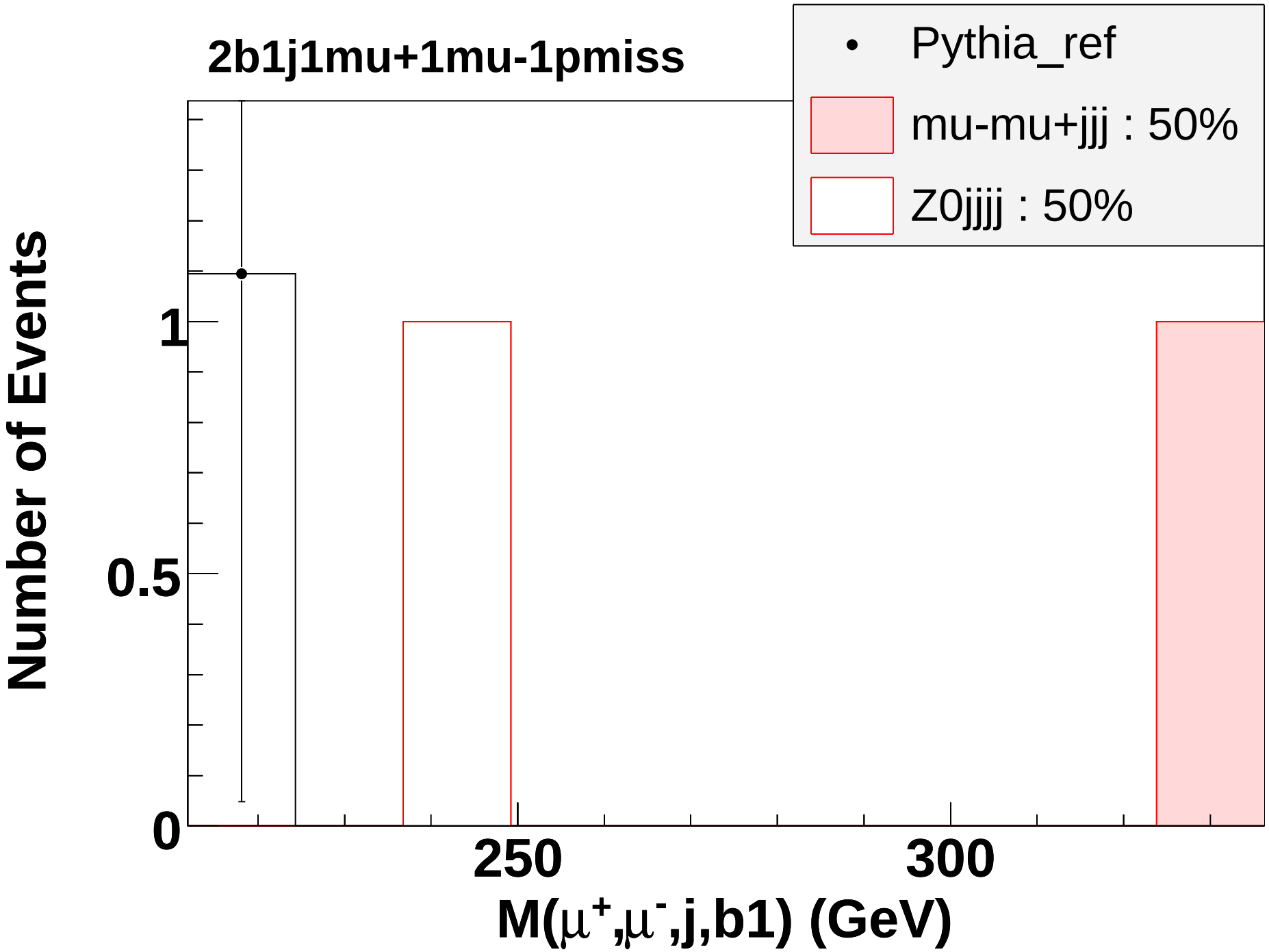

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
150
200
M(μ+,μ-,j) (GeV)

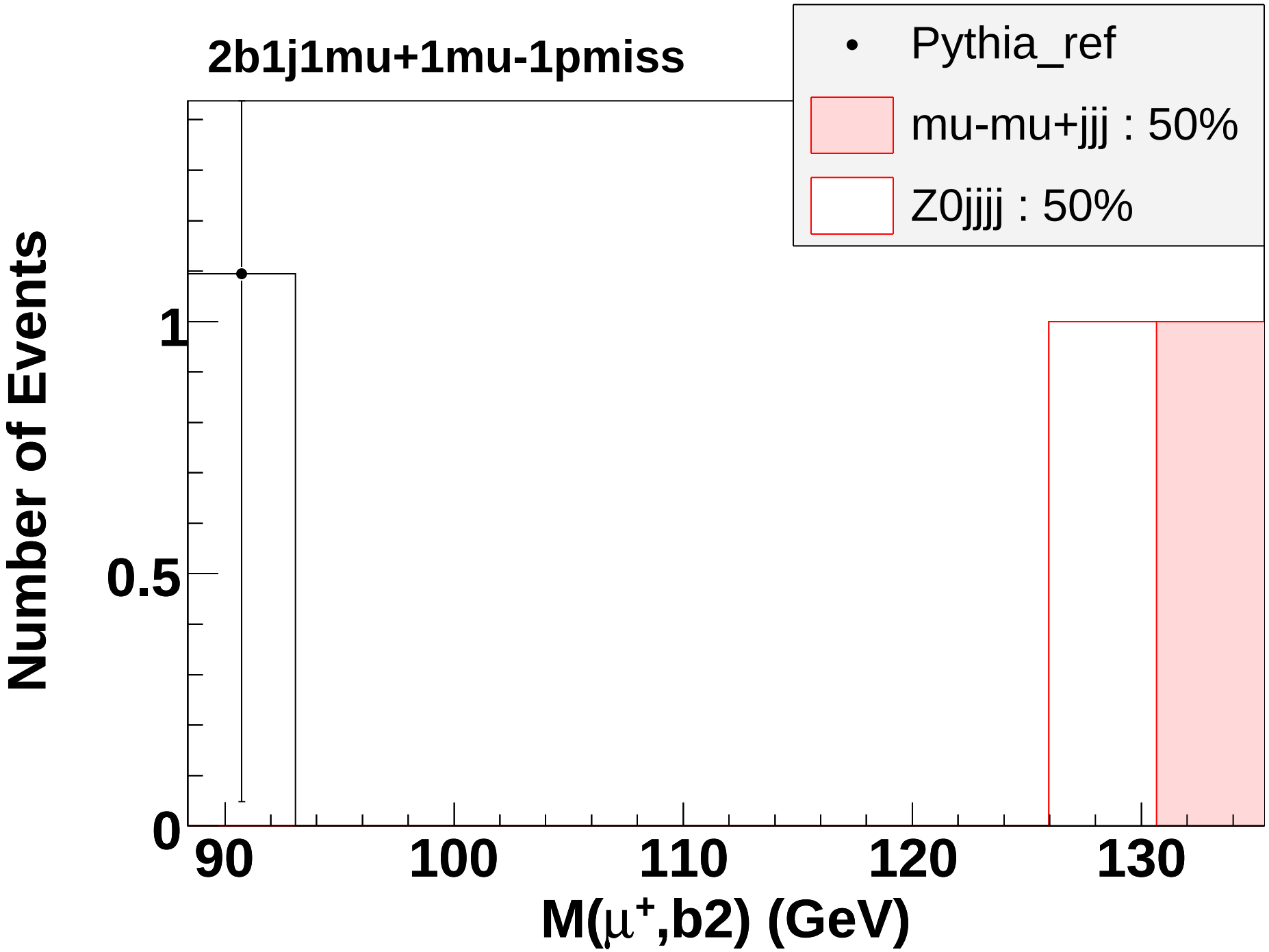

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
100
150
200
M(μ+,b1) (GeV)

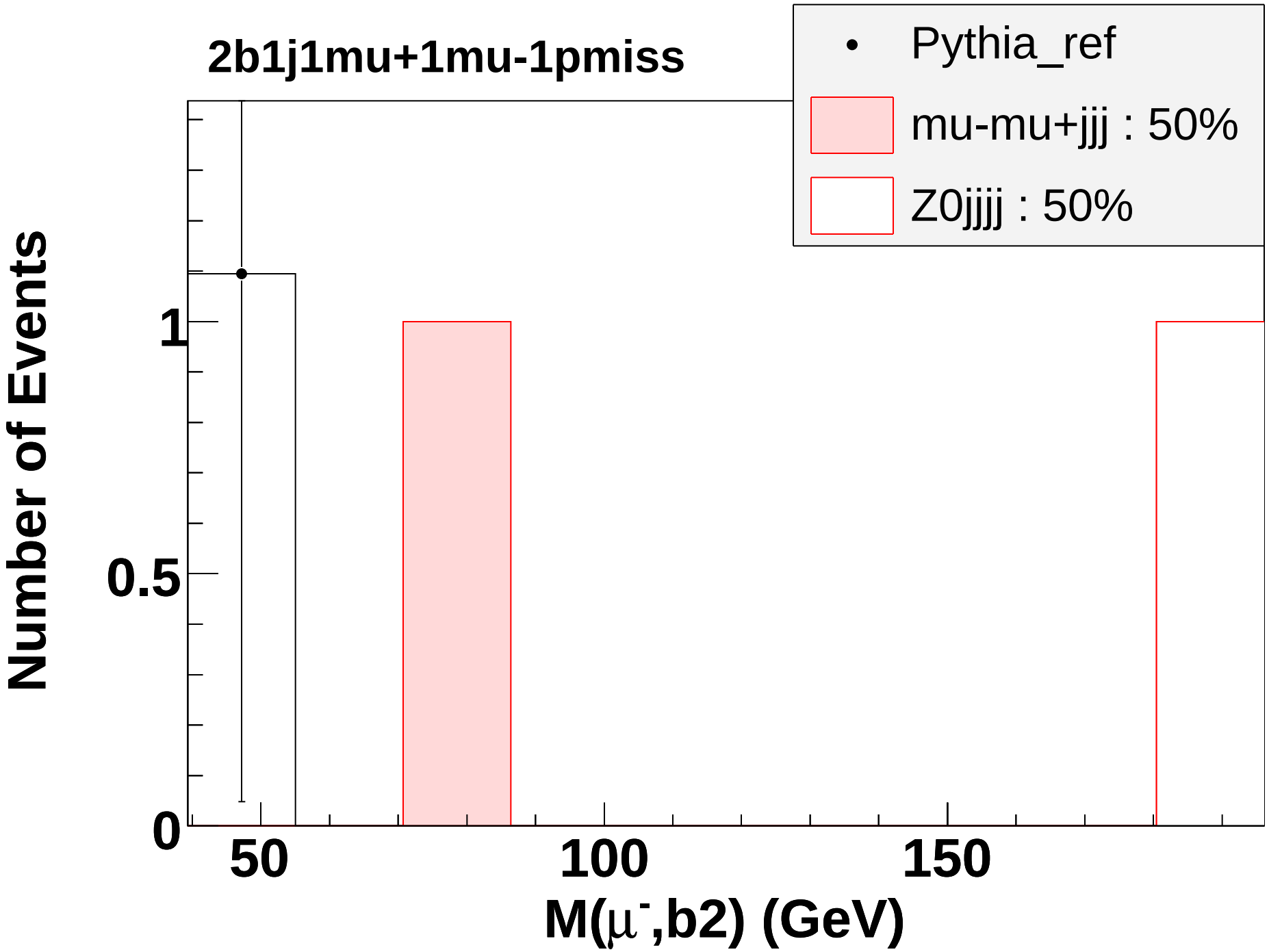

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
50
100
150
M(μ-,b1) (GeV)

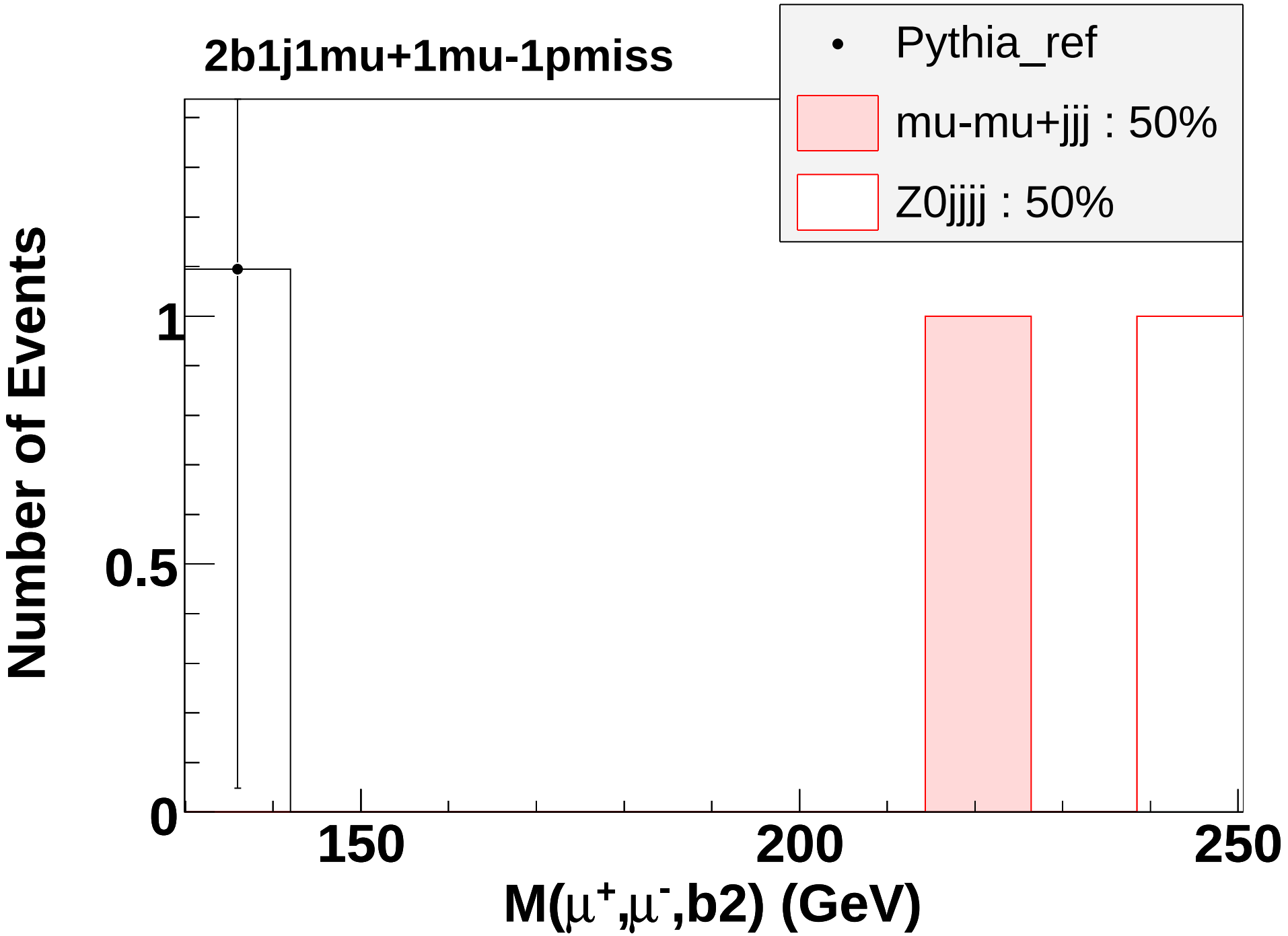

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
100
120
140
M(j,b1) (GeV)

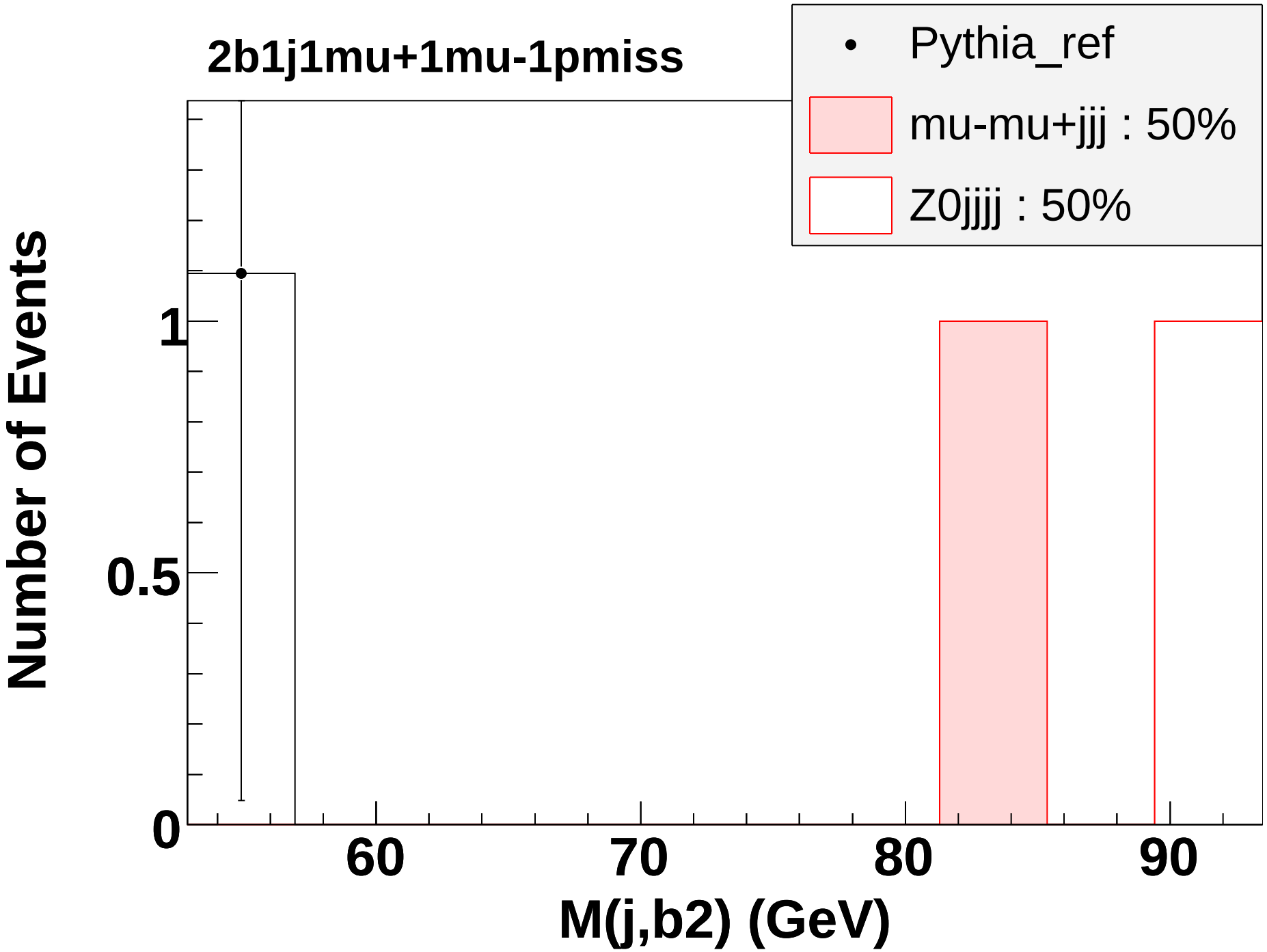

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
150
200
250
M(μ+,j,b1) (GeV)

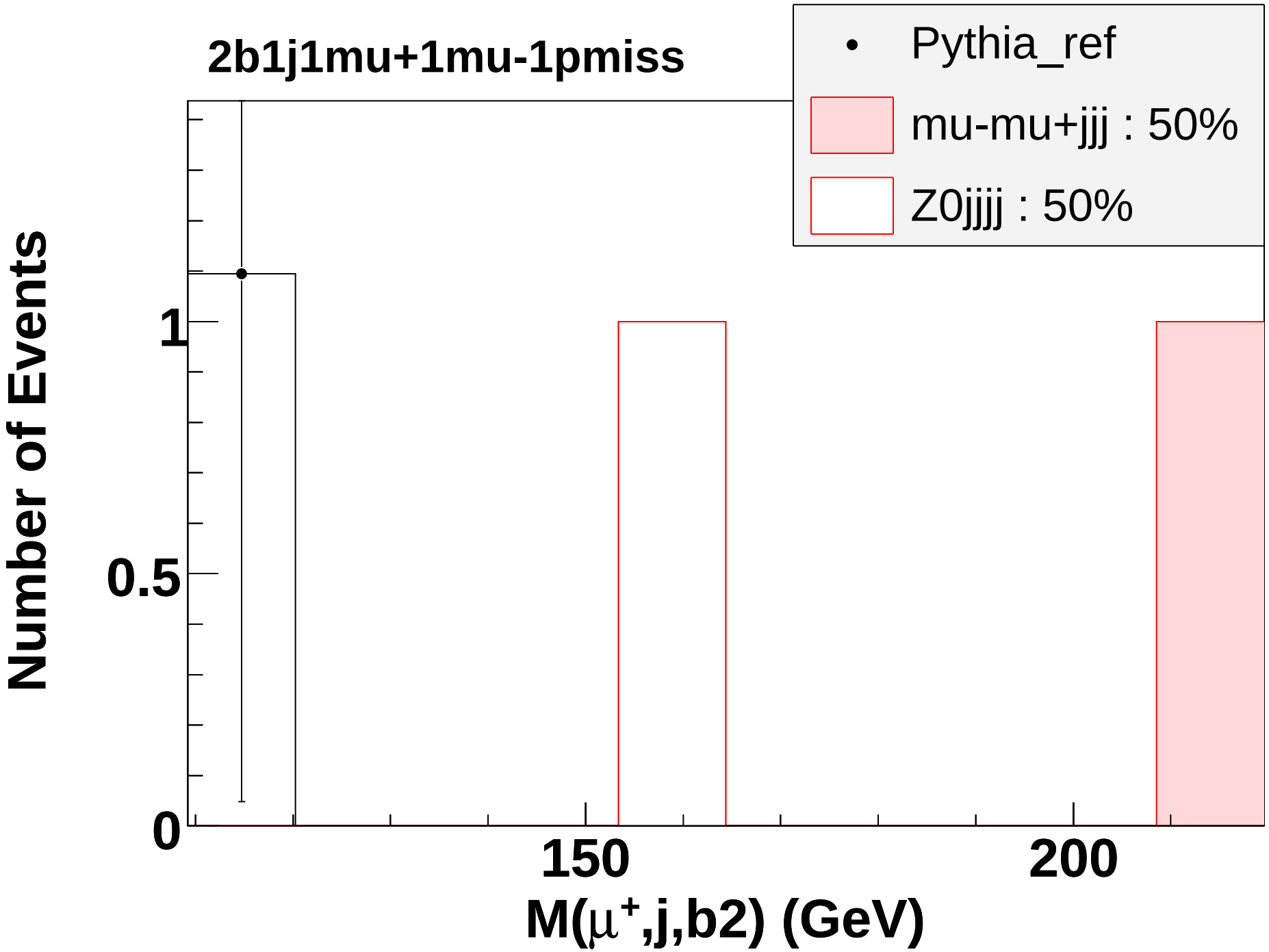

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
250
300
M(μ+,μ-,j,b1) (GeV)

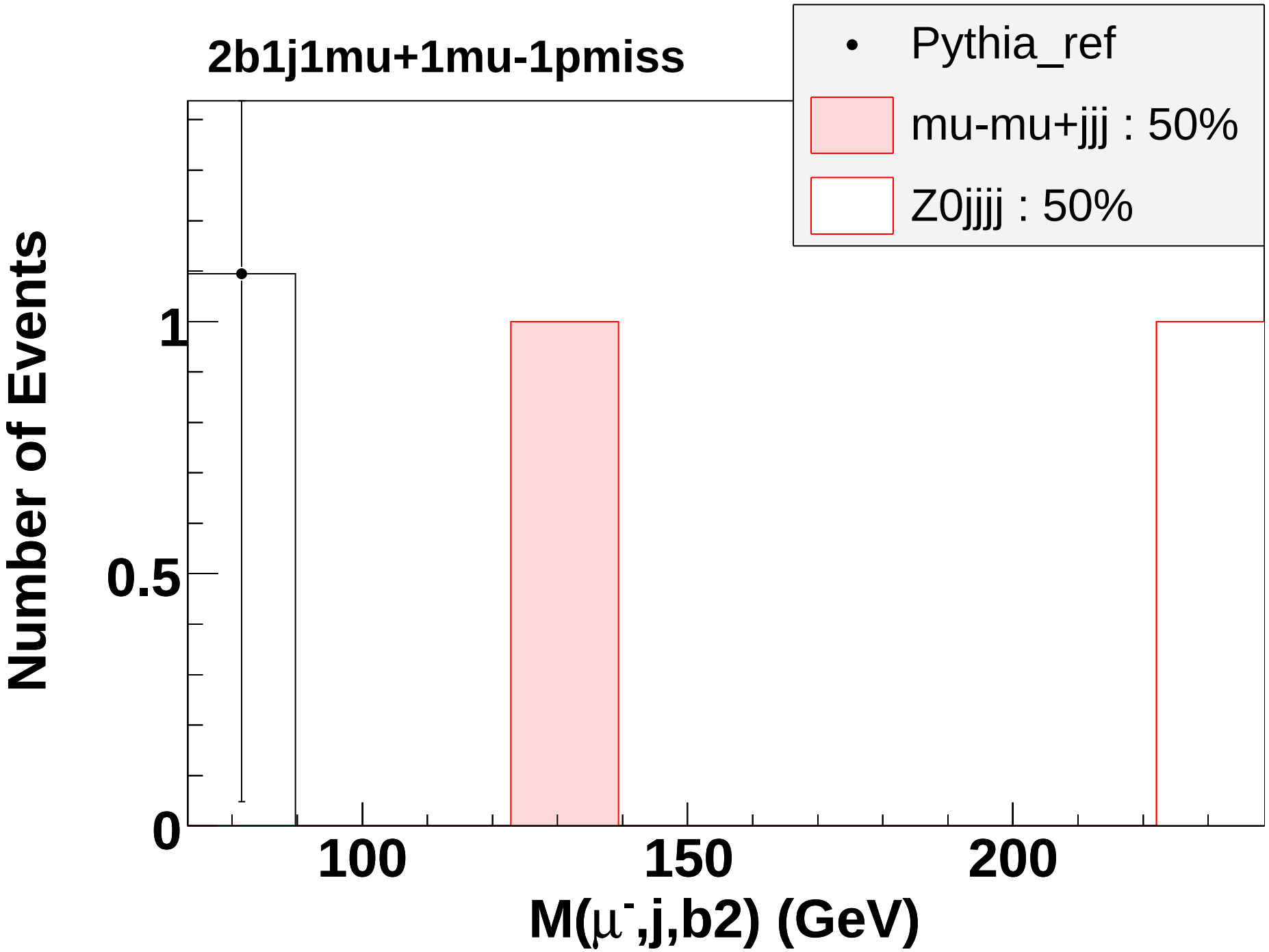

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
90
100
110
120
130
M(μ+,b2) (GeV)

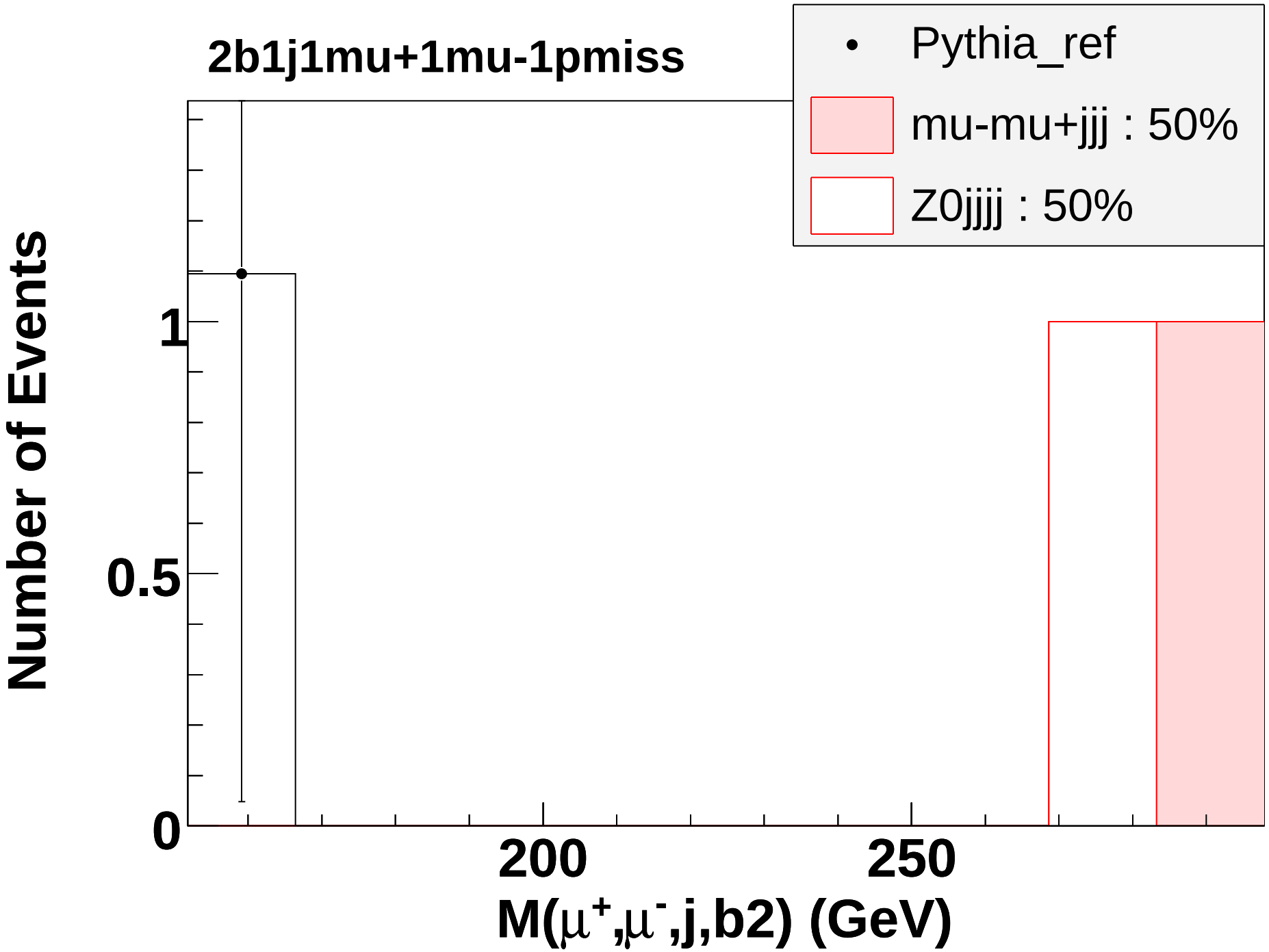

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
50
100
150
M(μ-,b2) (GeV)

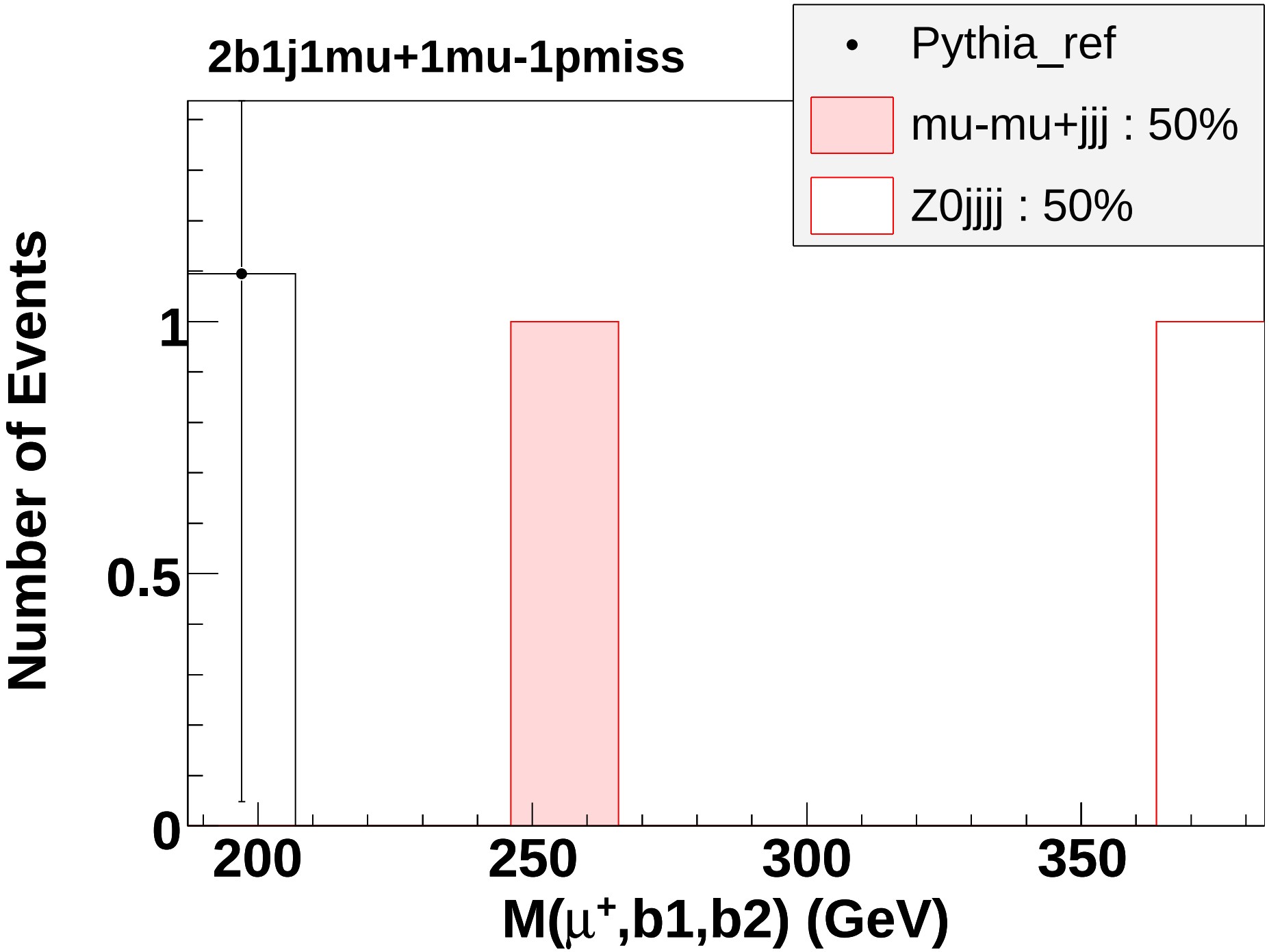

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
150
200
250
M(μ+,μ-,b2) (GeV)

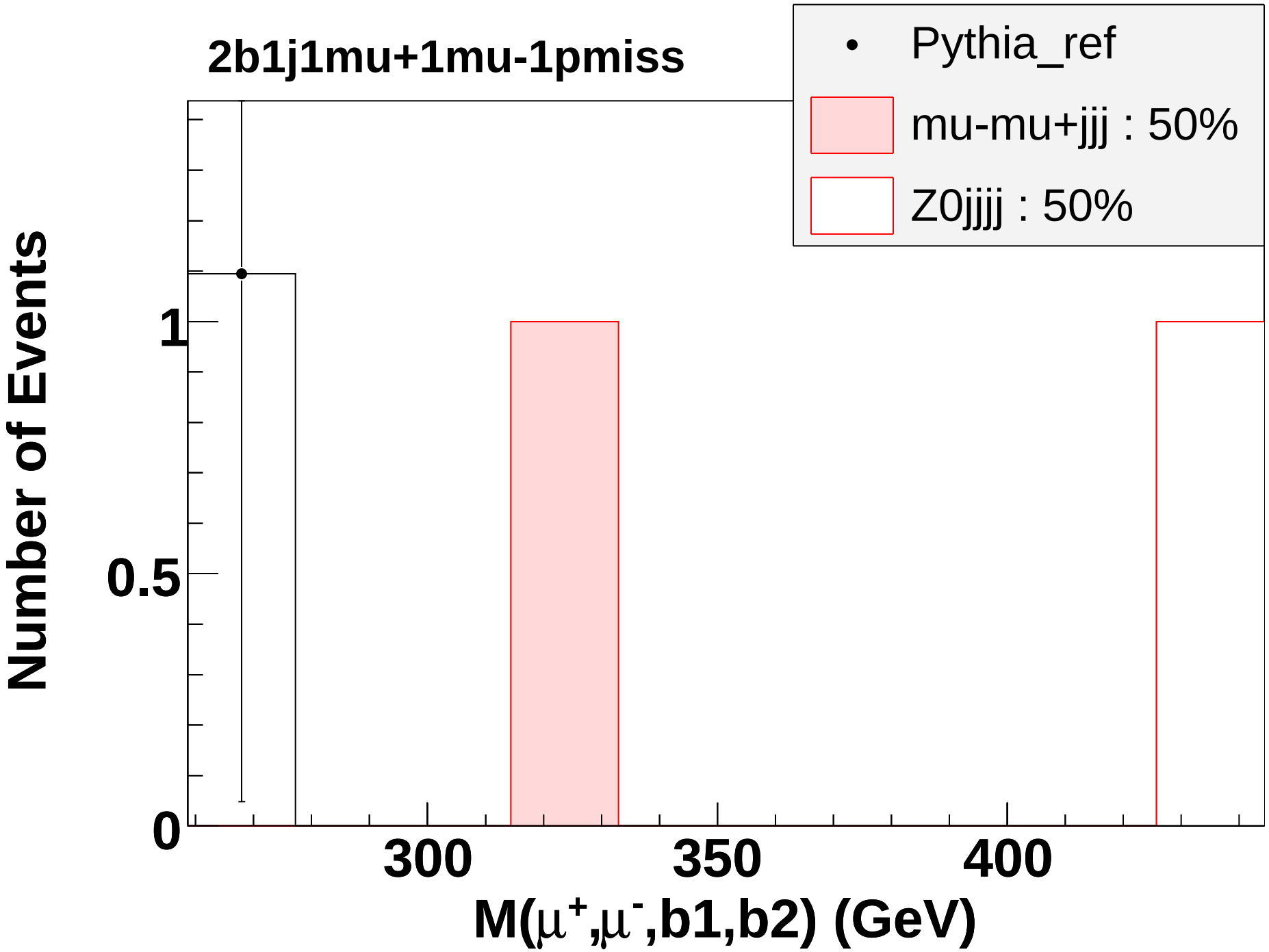

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
60
70
80
90
M(j,b2) (GeV)

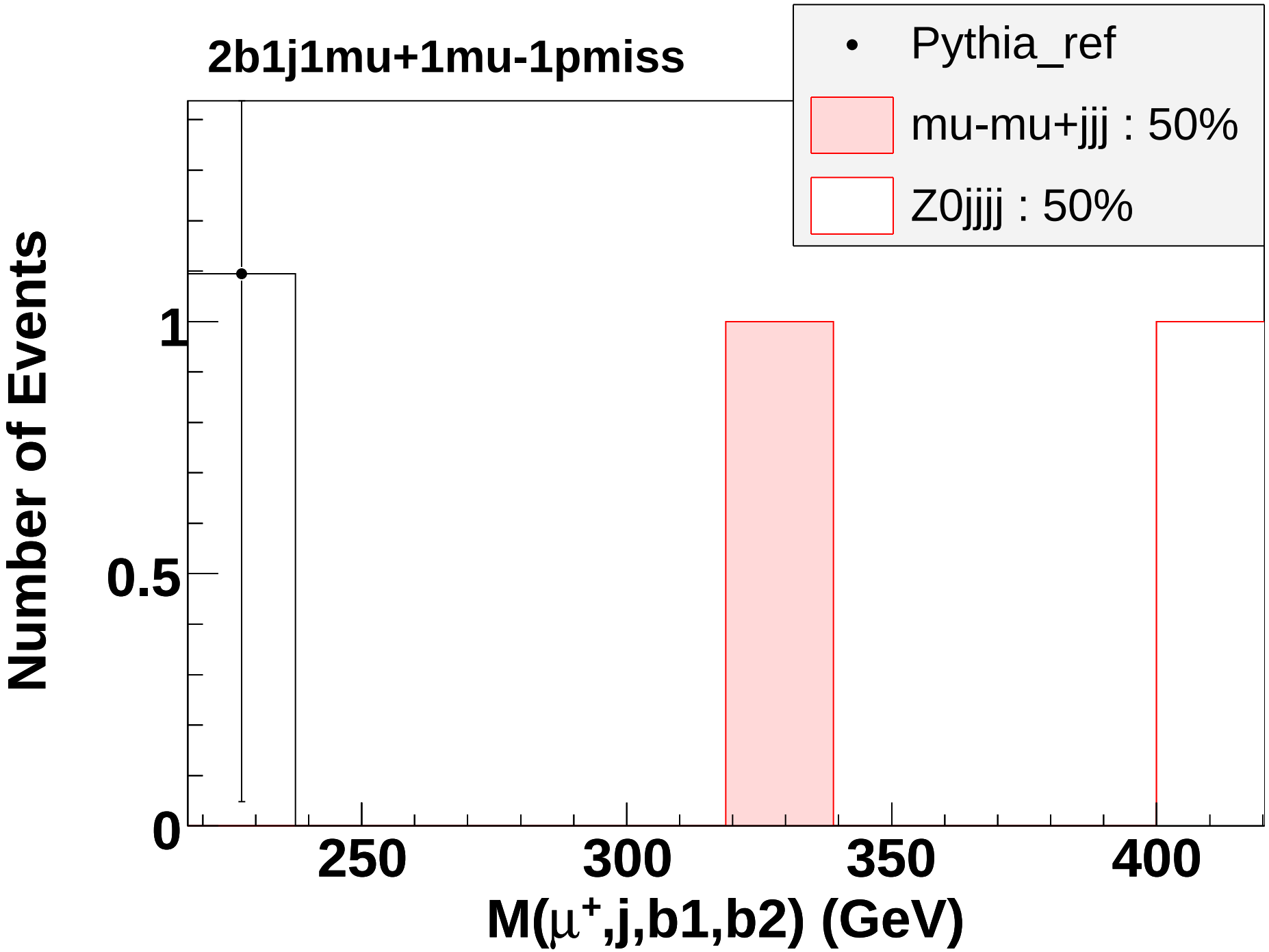

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
150
200
M(μ+,j,b2) (GeV)

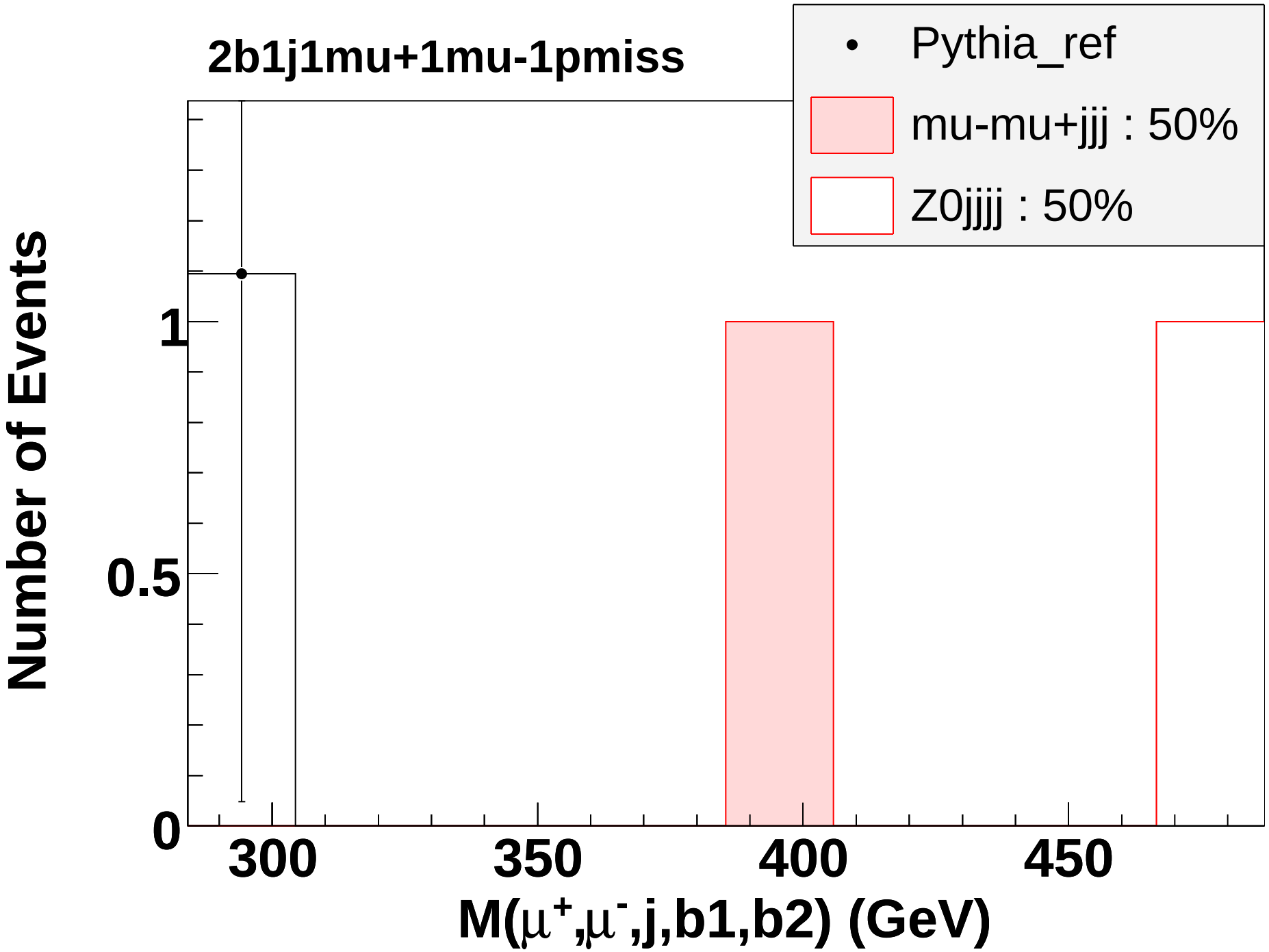

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
100
150
200
M(μ-,j,b2) (GeV)

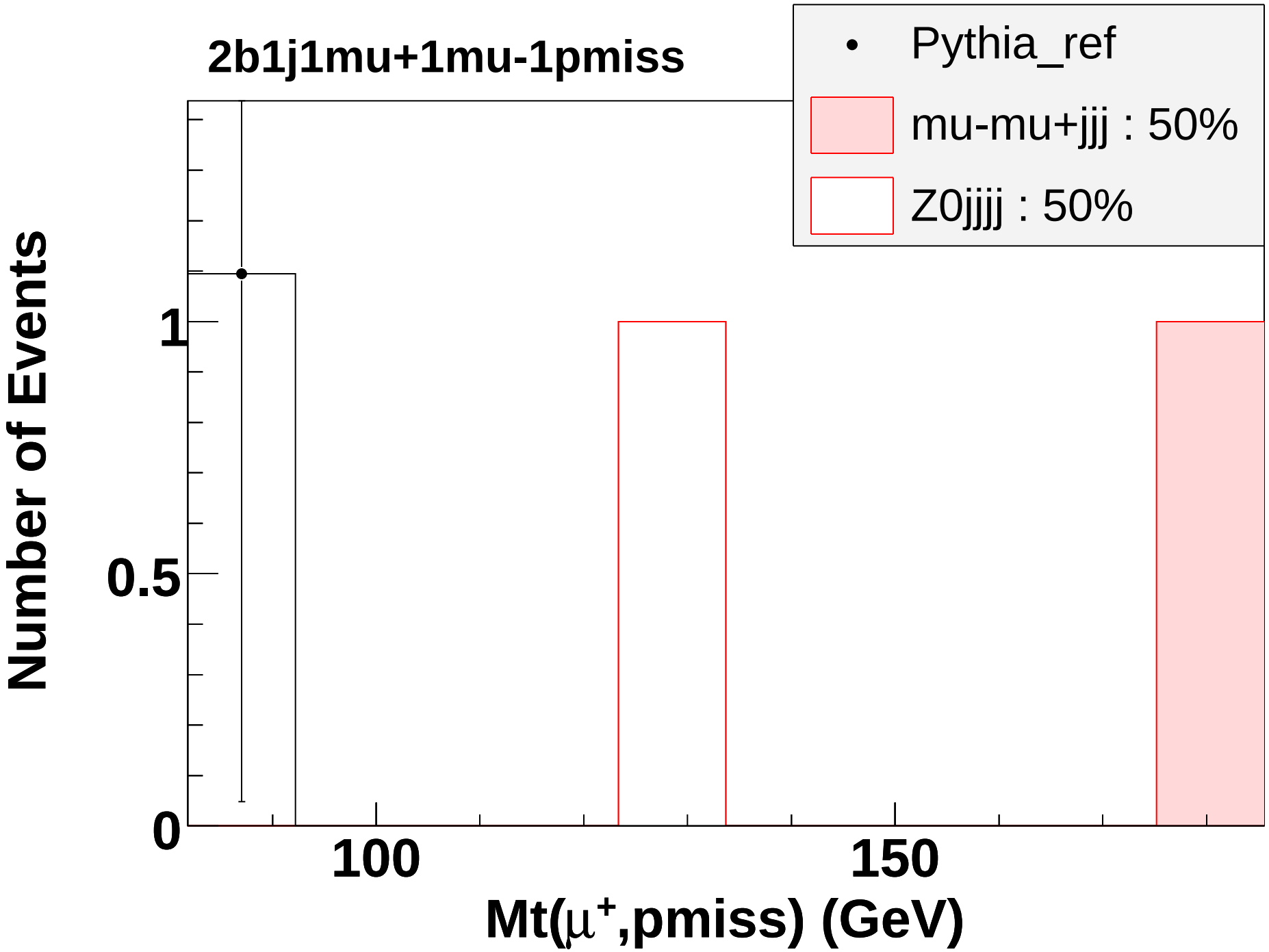

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
1
0.5
0
200
250
M(μ+,μ-,j,b2) (GeV)

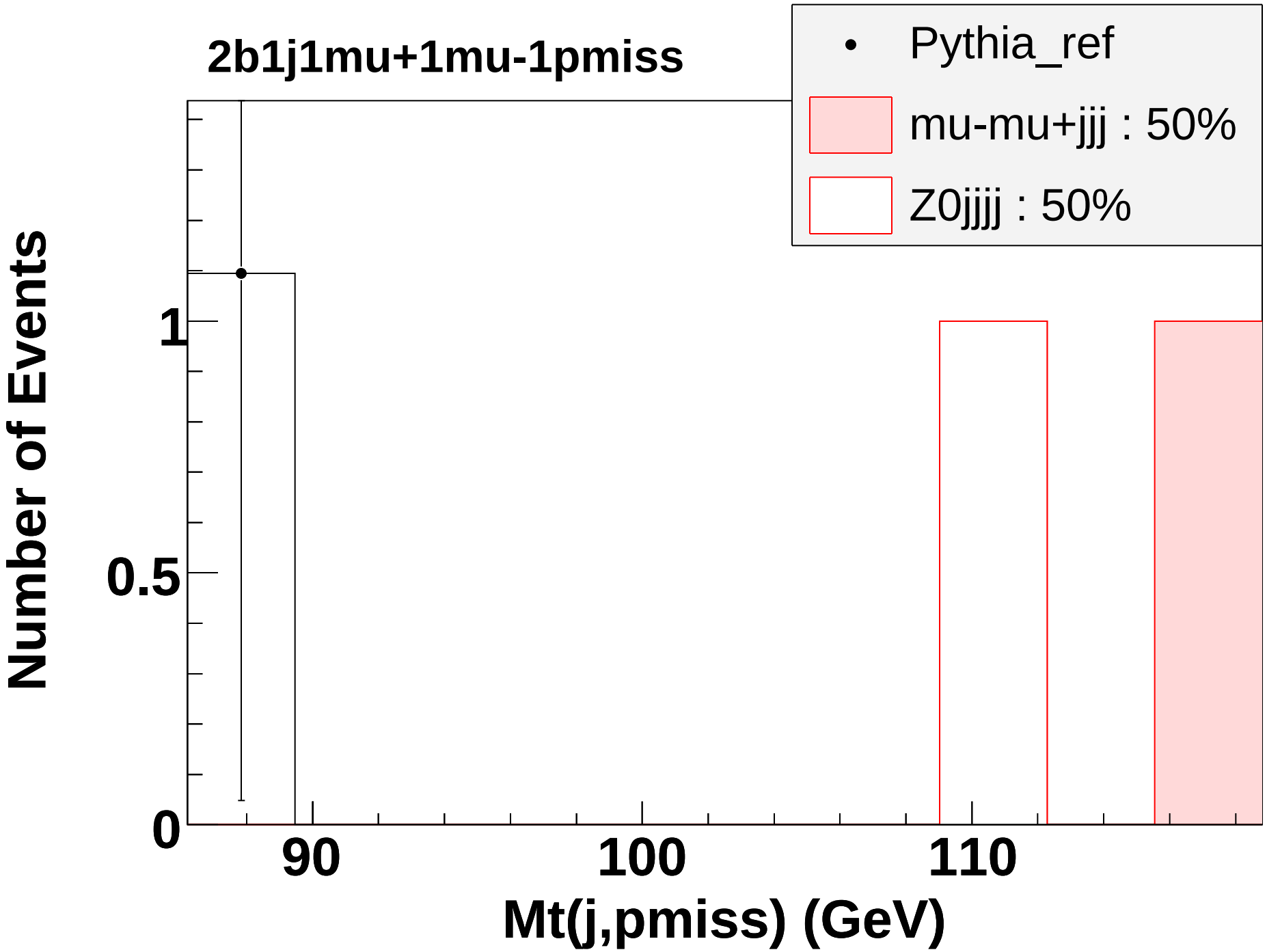

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
200
250
300
350
M(μ+,b1,b2) (GeV)

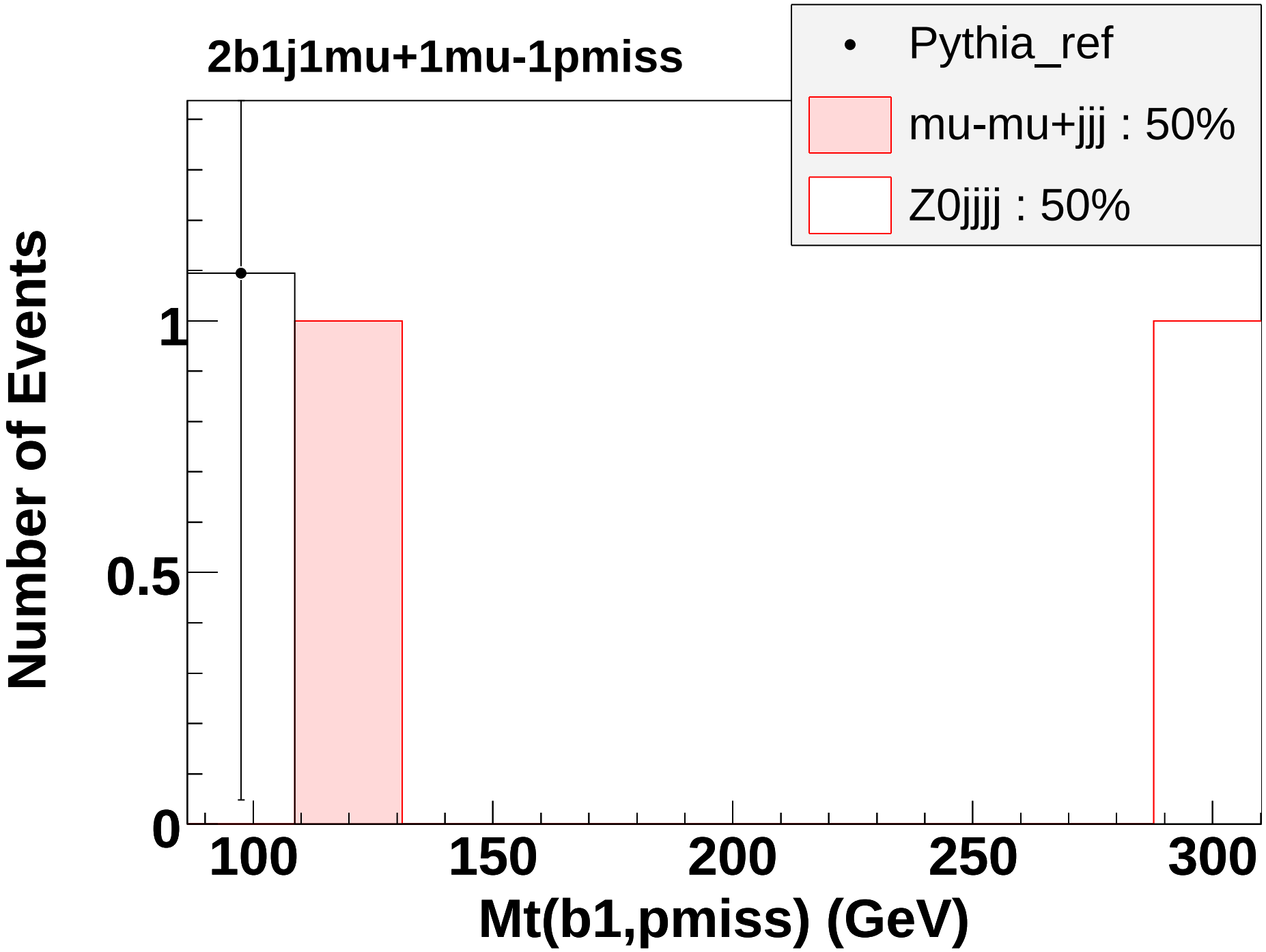

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
300
350
400
M(μ+,μ-,b1,b2) (GeV)

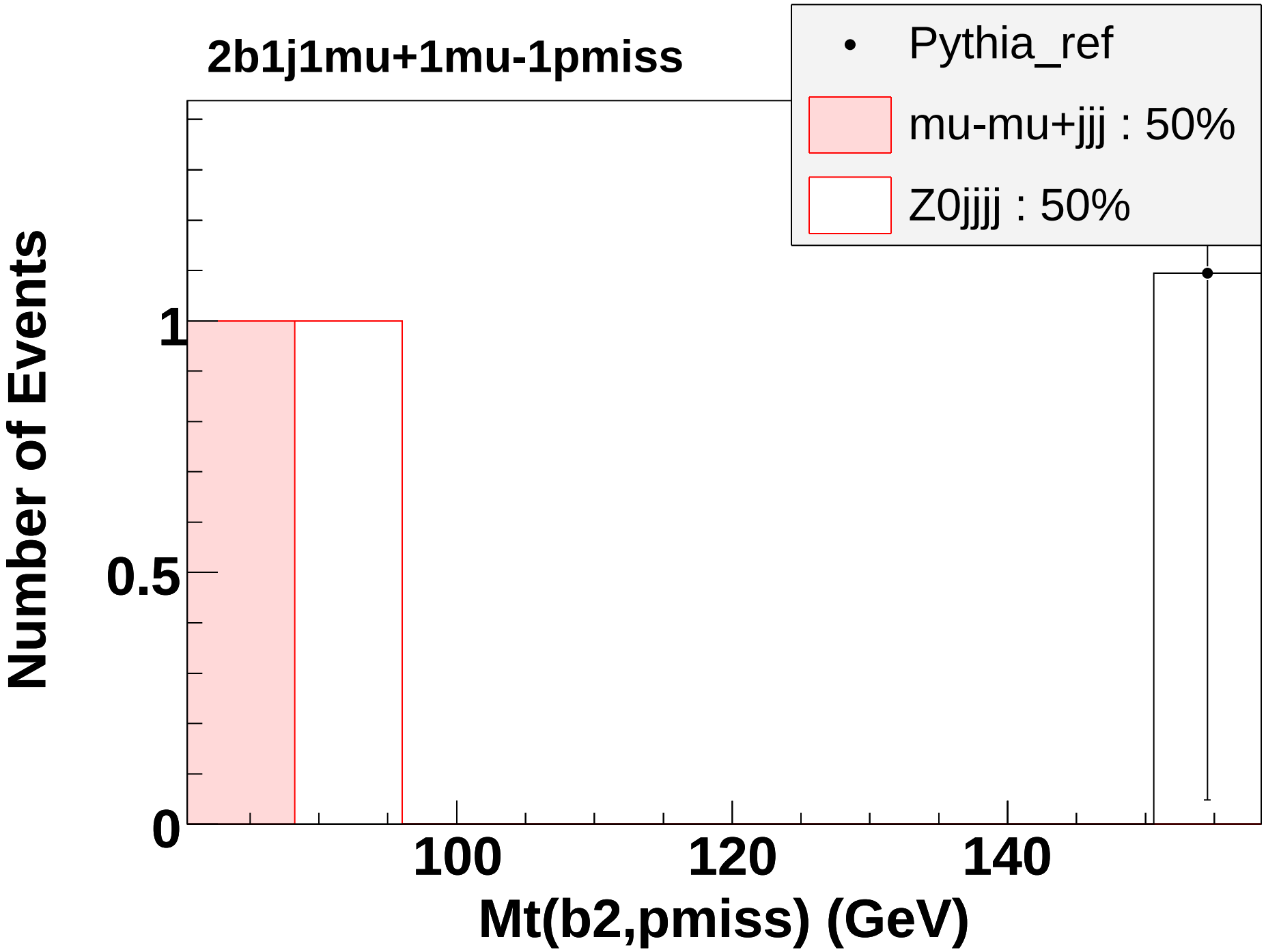

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
250
300
350
400
M(μ+,j,b1,b2) (GeV)

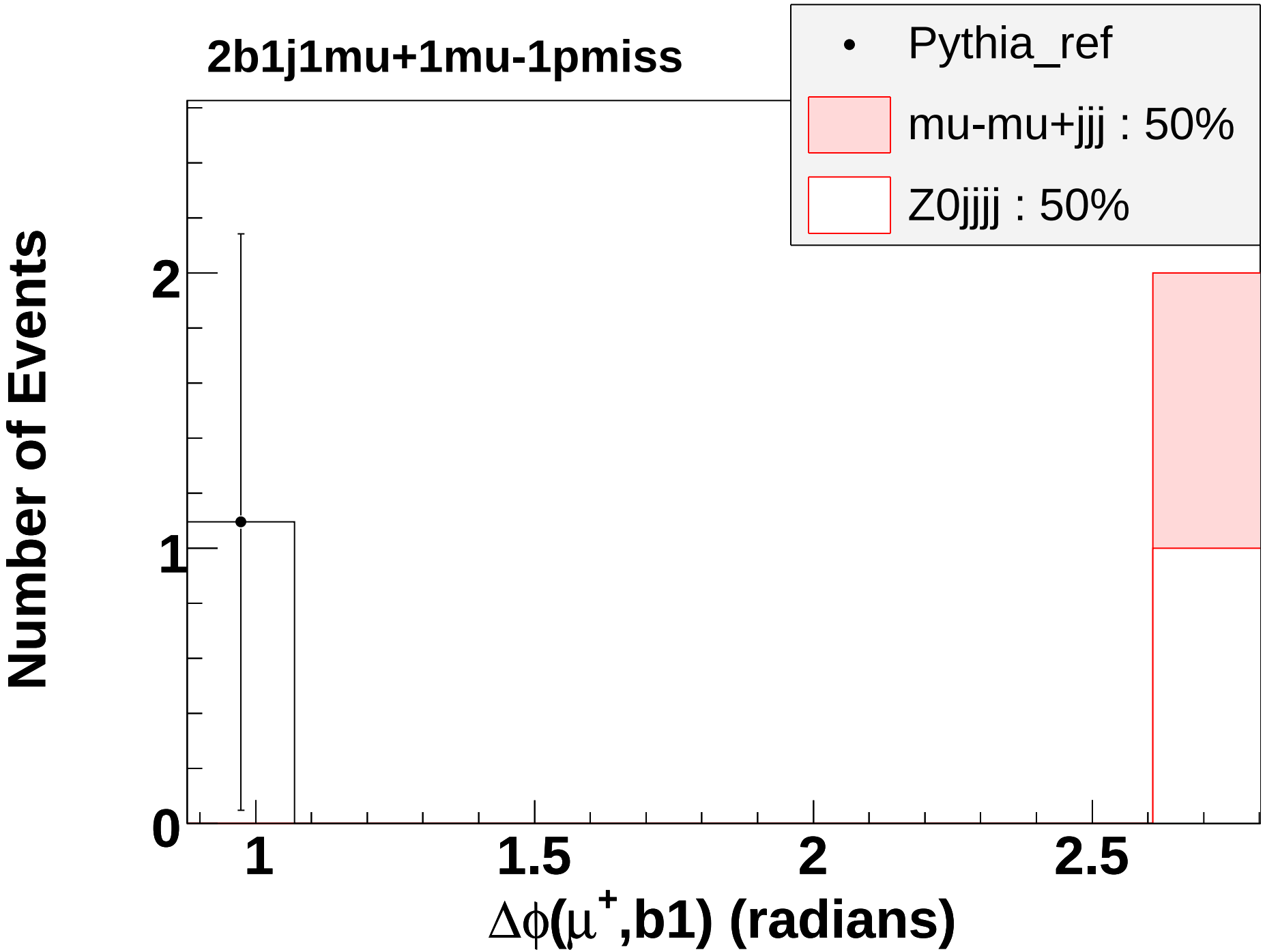

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
300
350
400
450
M(μ+,μ-,j,b1,b2) (GeV)

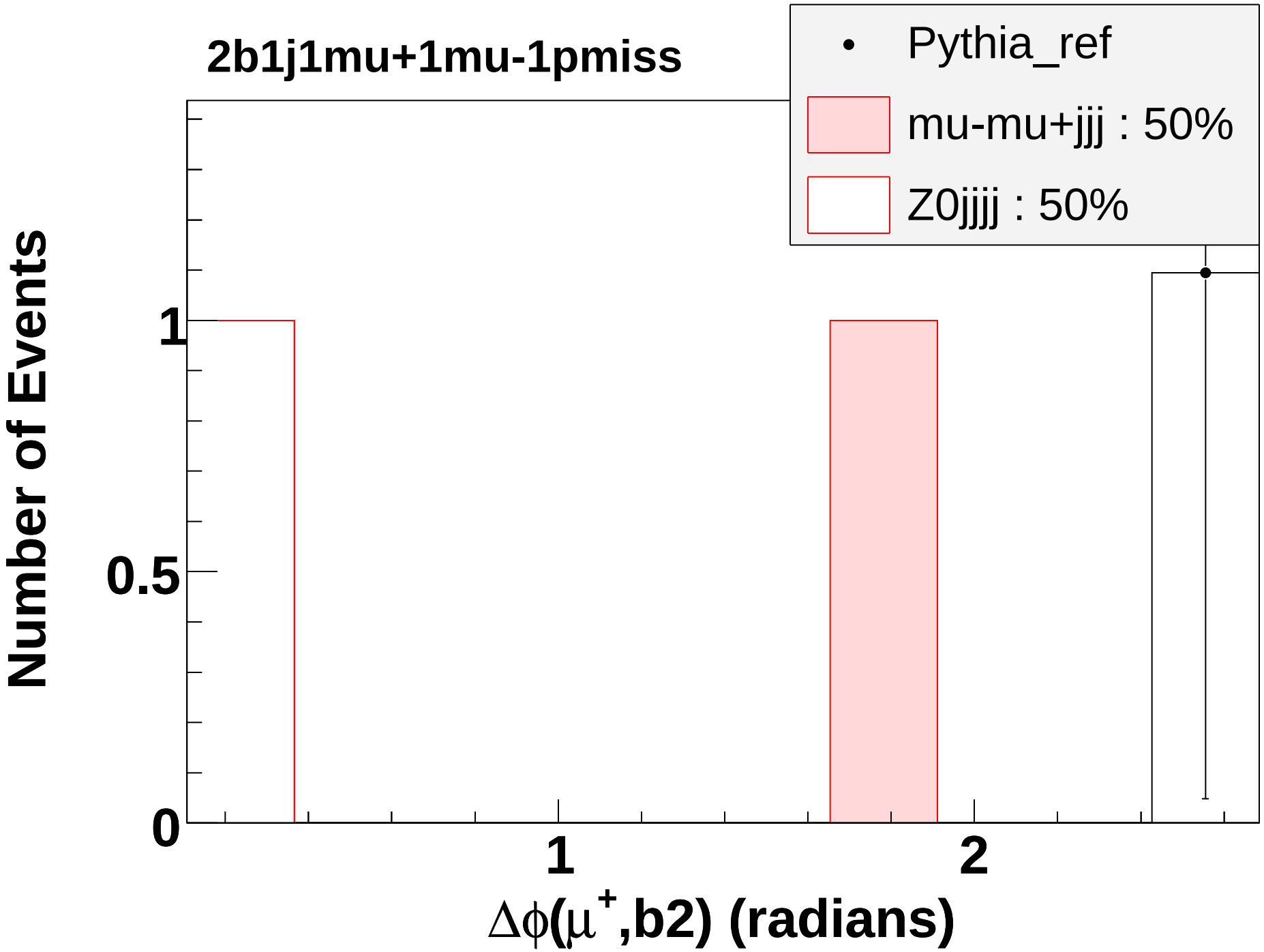

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
100
150
Mt(μ+,pmiss) (GeV)

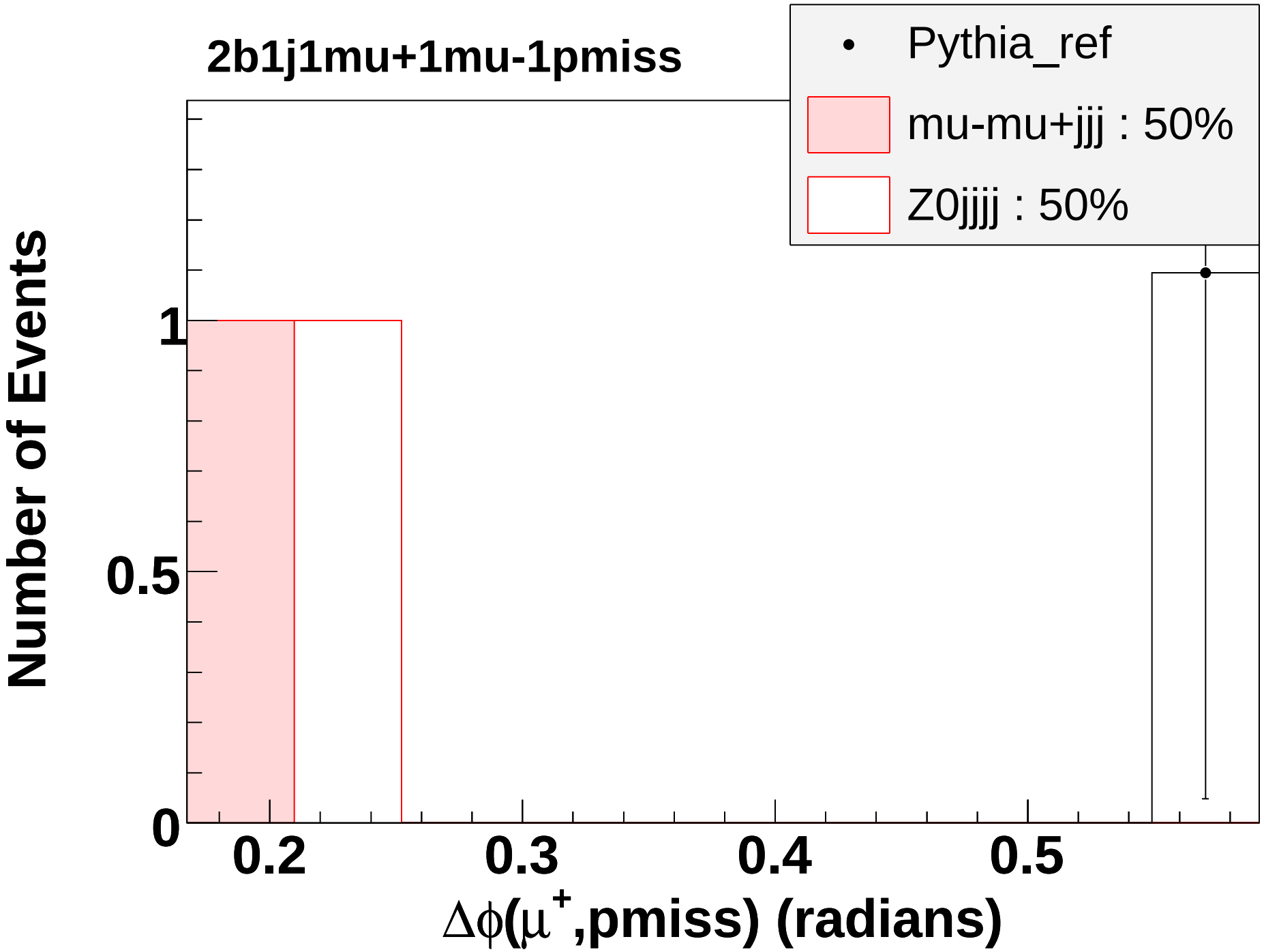

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
90
100
110
Mt(j,pmiss) (GeV)

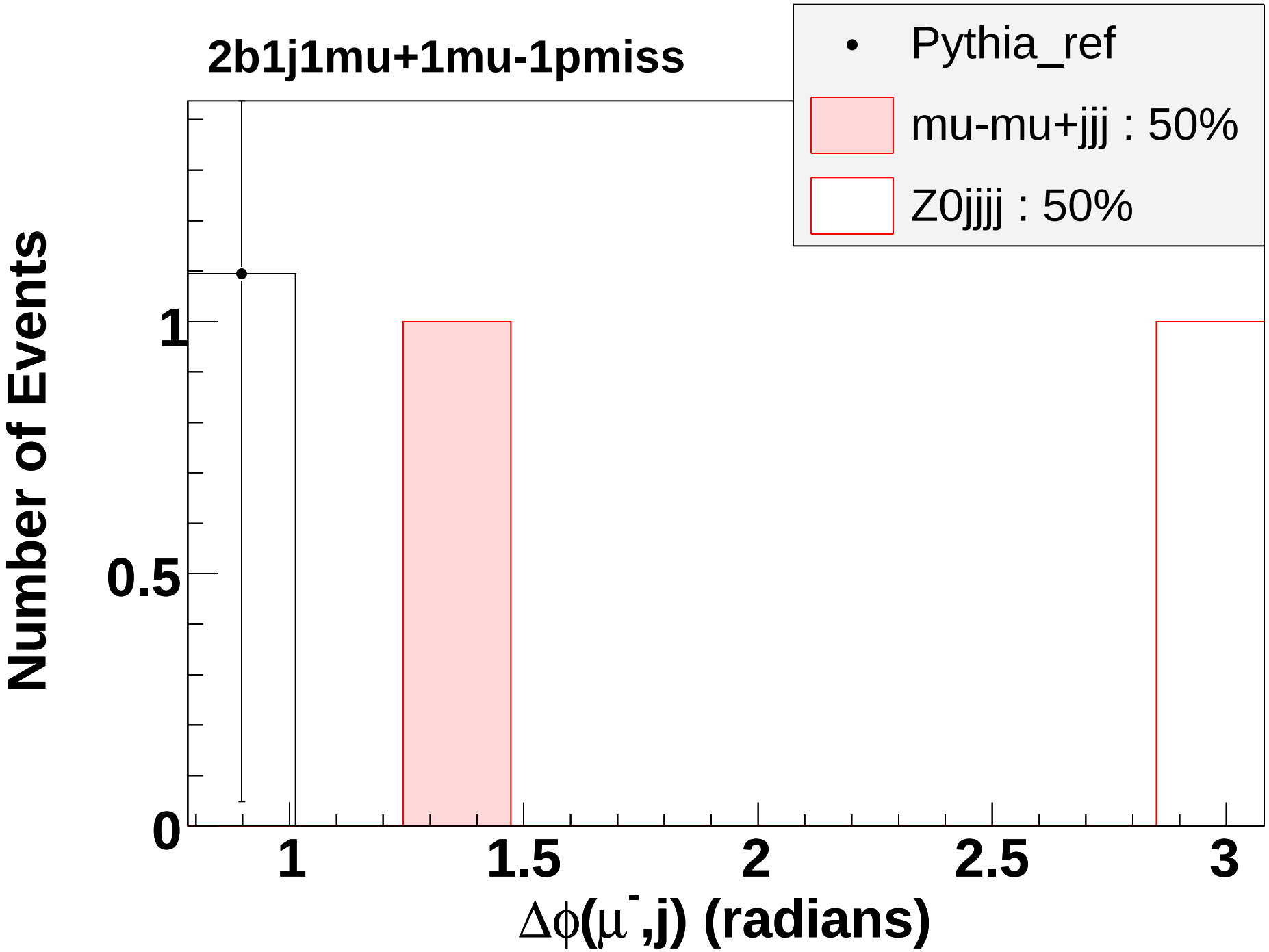

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
100
150
200
250
300
Mt(b1,pmiss) (GeV)

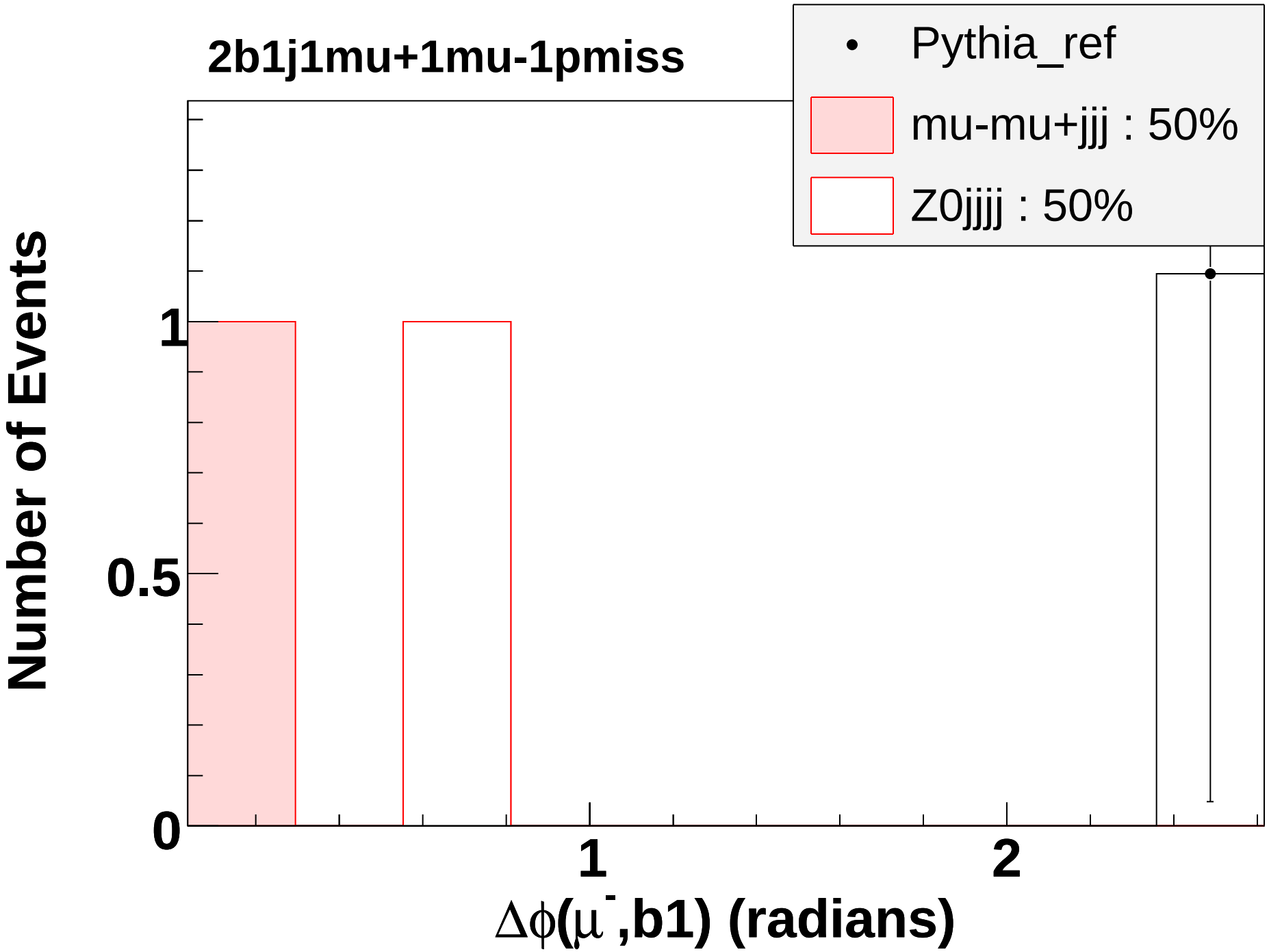

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
1
0.5
0
100
120
140
Mt(b2,pmiss) (GeV)

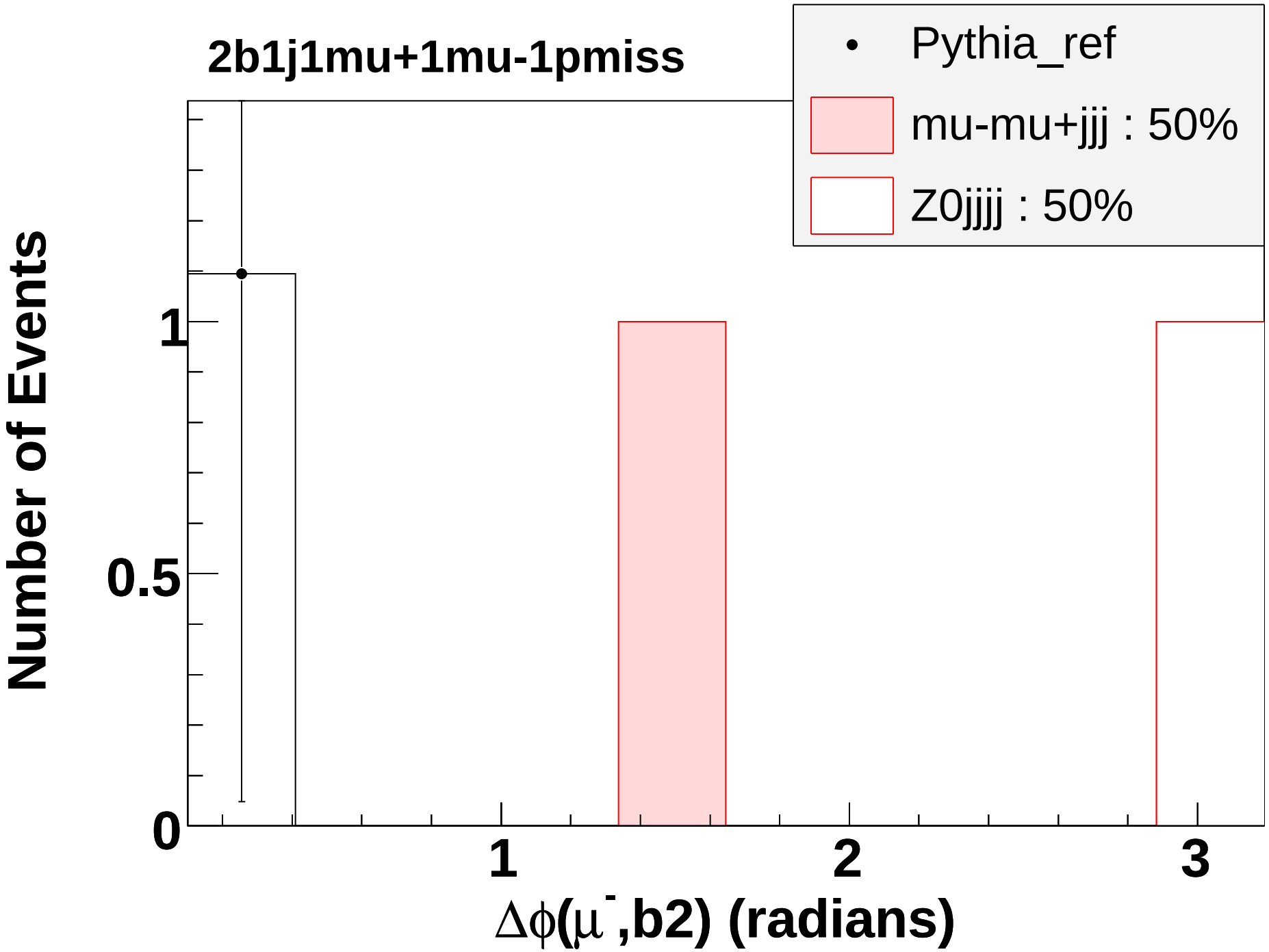

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
1
2
1
1.5
2
2.5
Δφ(μ+,b1) (radians)

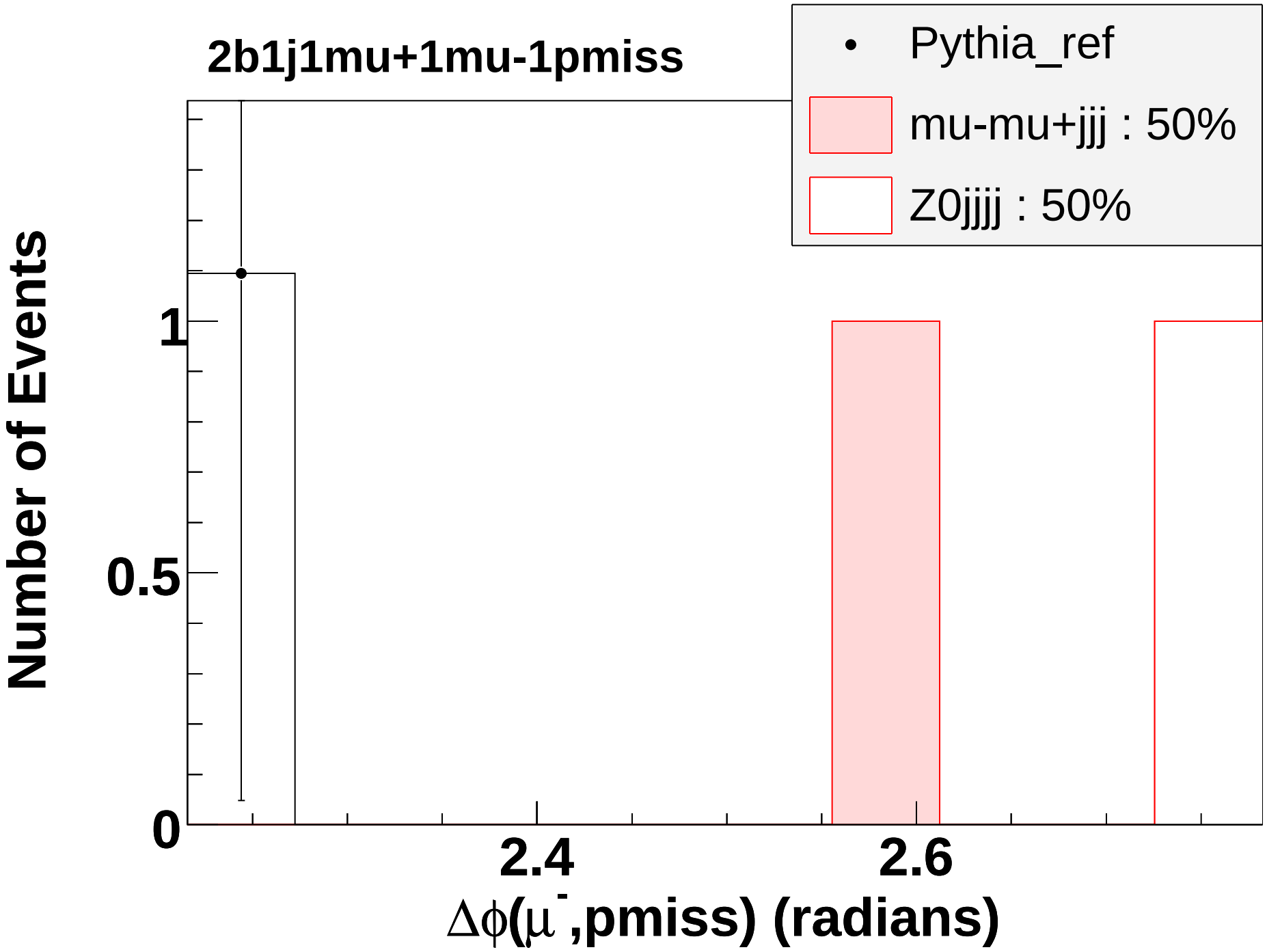

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
1
2
Δφ(μ+,b2) (radians)

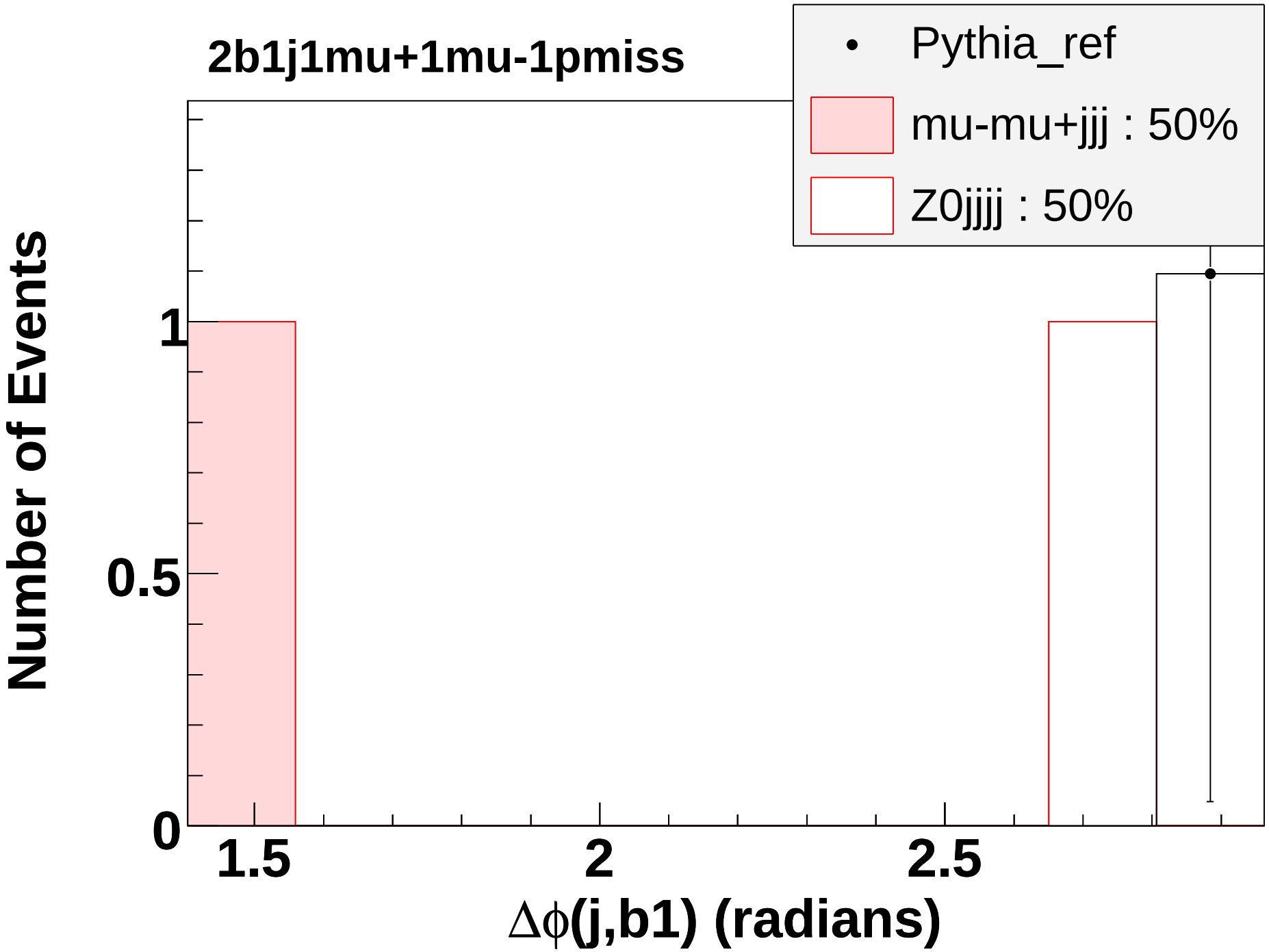

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
0.2
0.3
0.4
0.5
Δφ(μ+,pmiss) (radians)

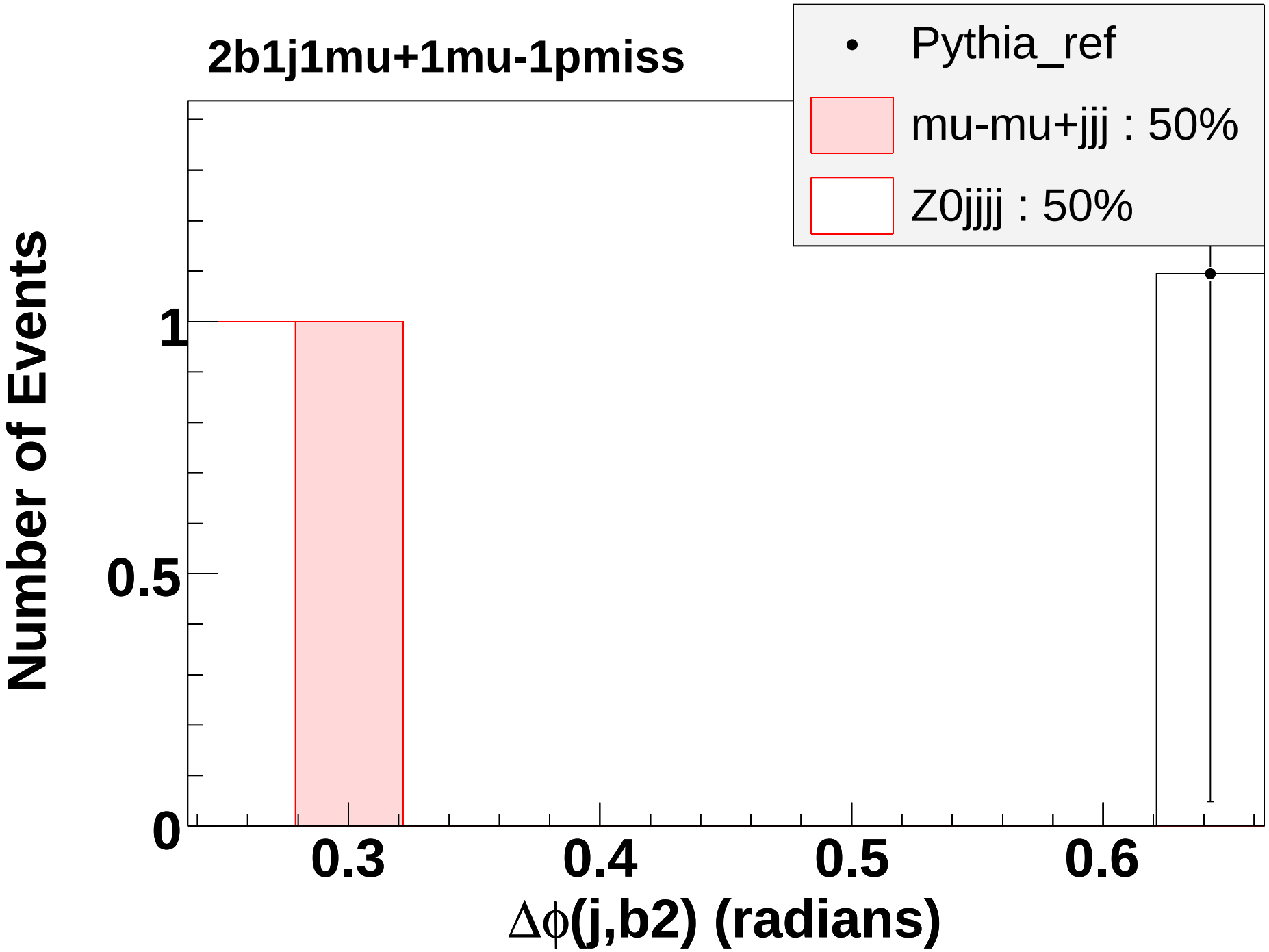

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
1
1.5
2
2.5
3
Δφ(μ⁻,j) (radians)

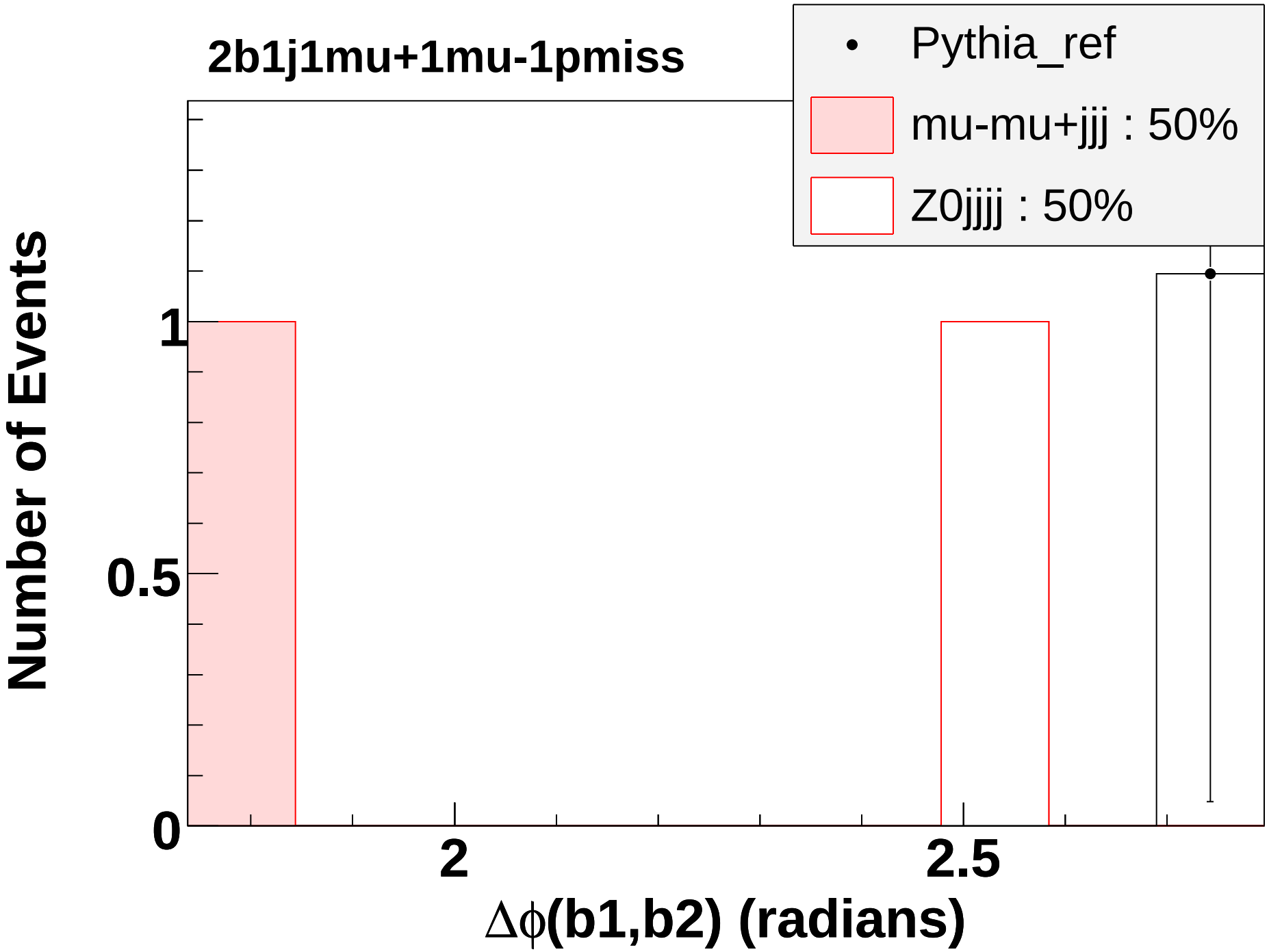

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
1
2
Δφ(μ⁻,b1) (radians)

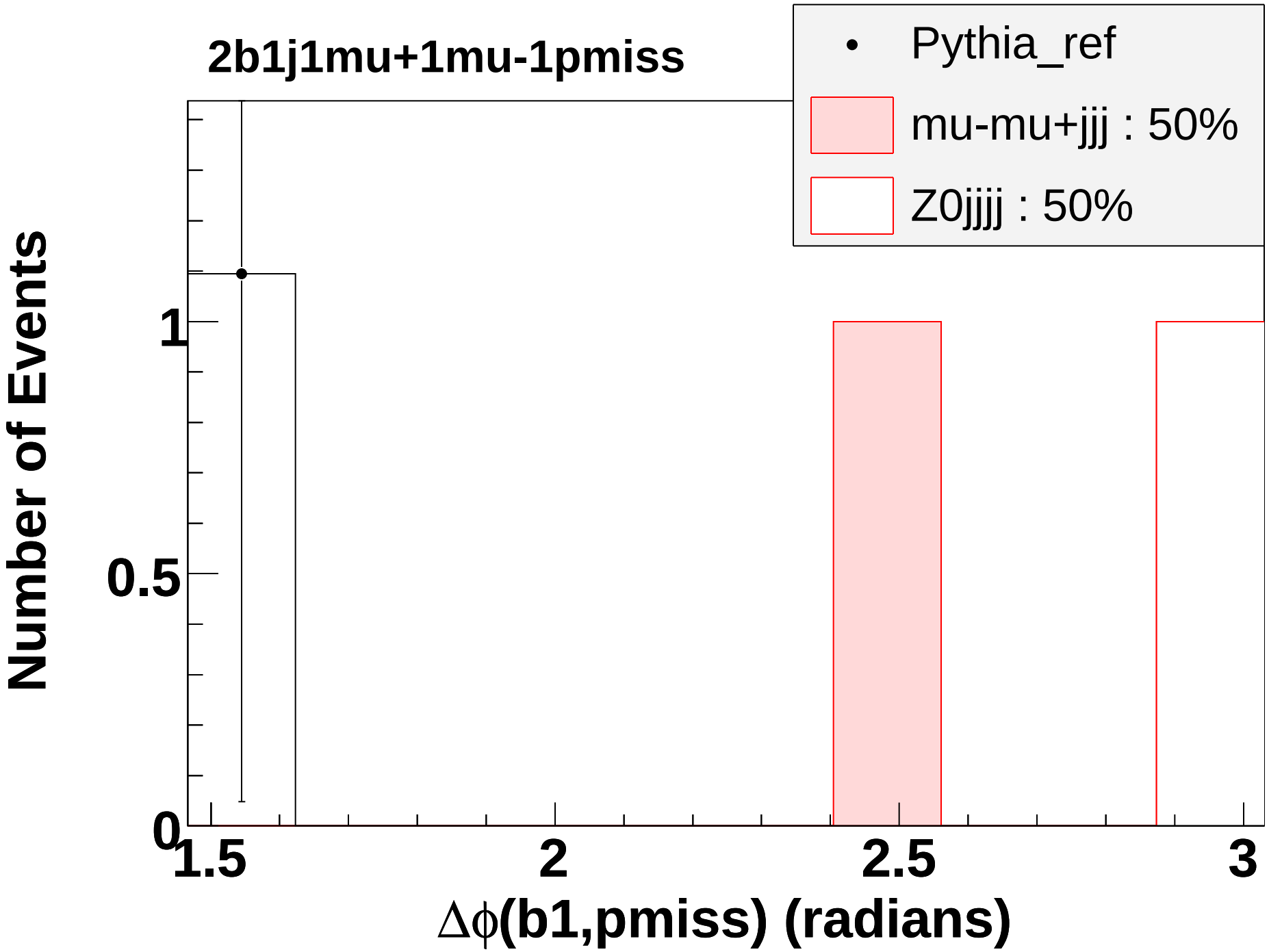

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
1
2
3
Δφ(μ⁻,b2) (radians)

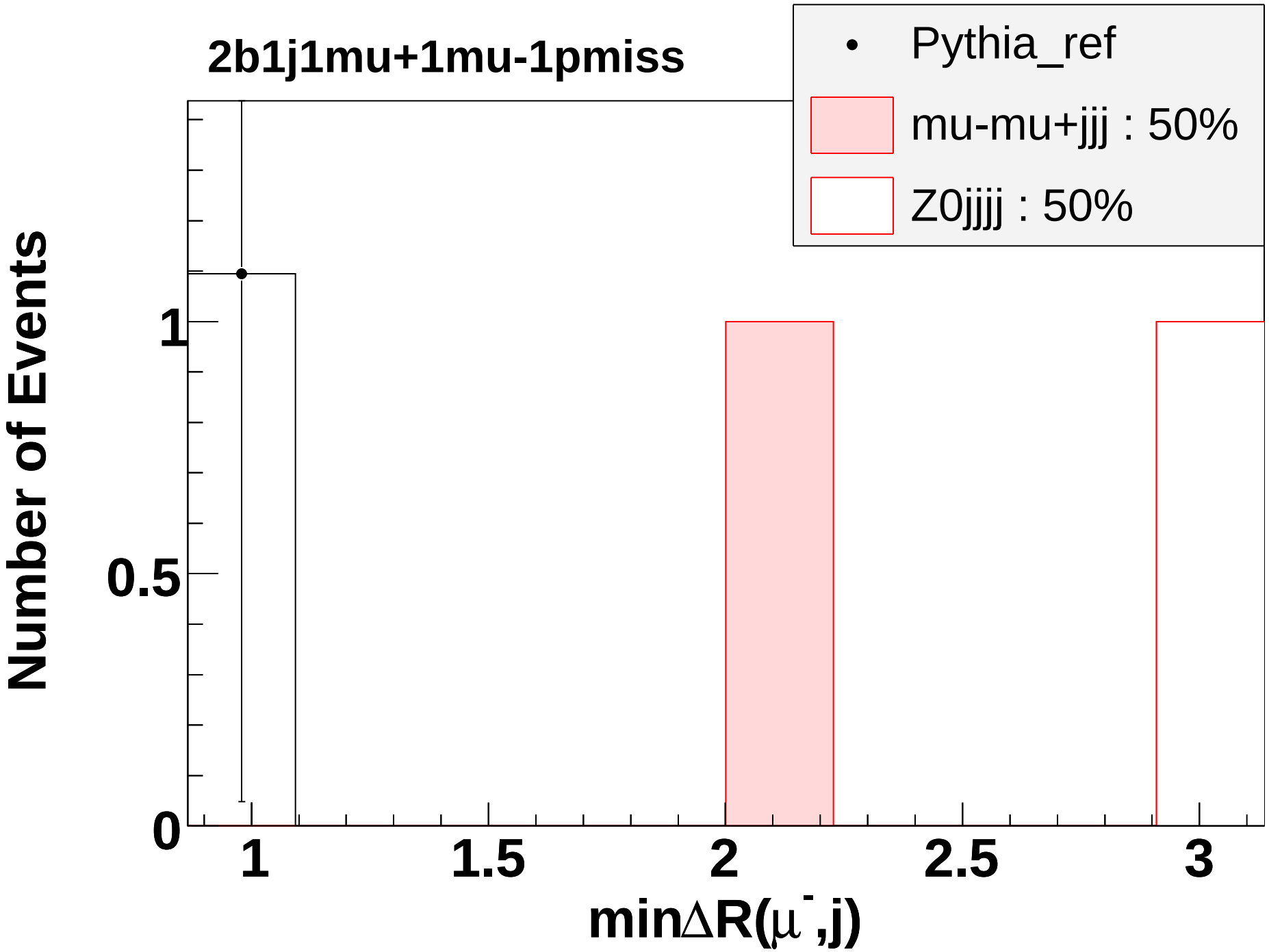

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
2.4
2.6
Δφ(μ-,pmiss) (radians)

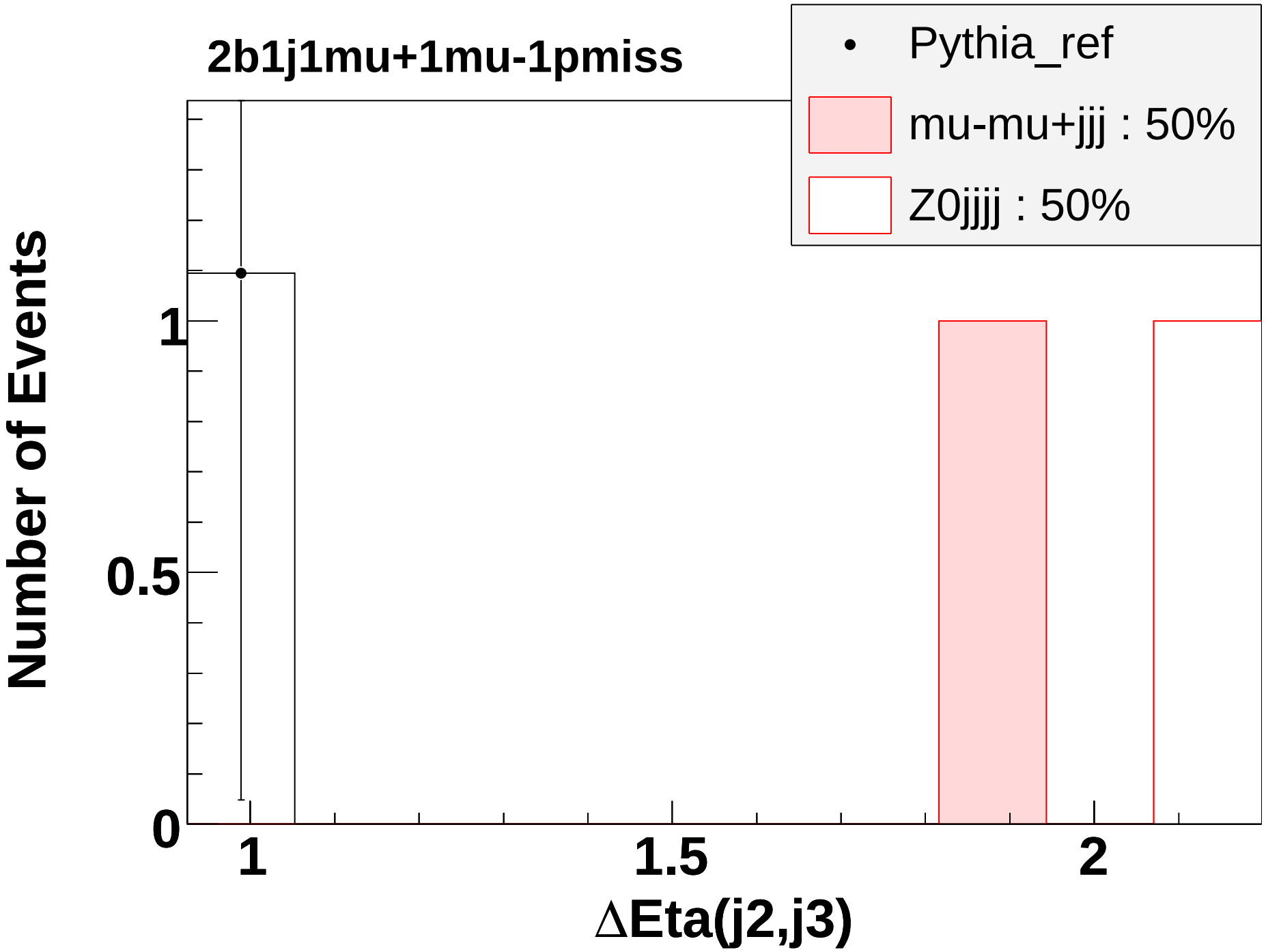

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
1
0.5
0
1.5
2
2.5
Δϕ(j,b1) (radians)

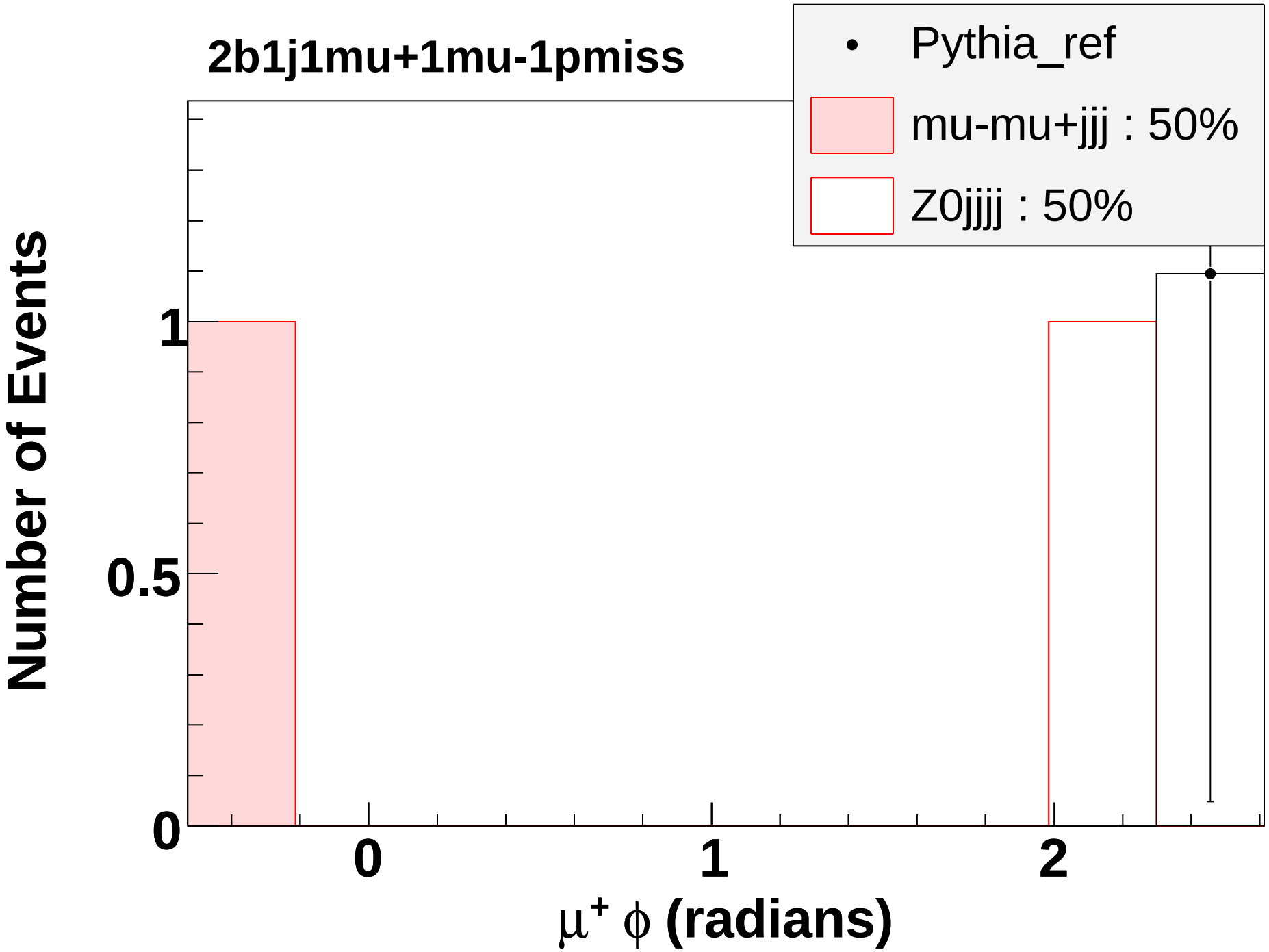

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
0.3
0.4
0.5
0.6
Δϕ(j,b2) (radians)

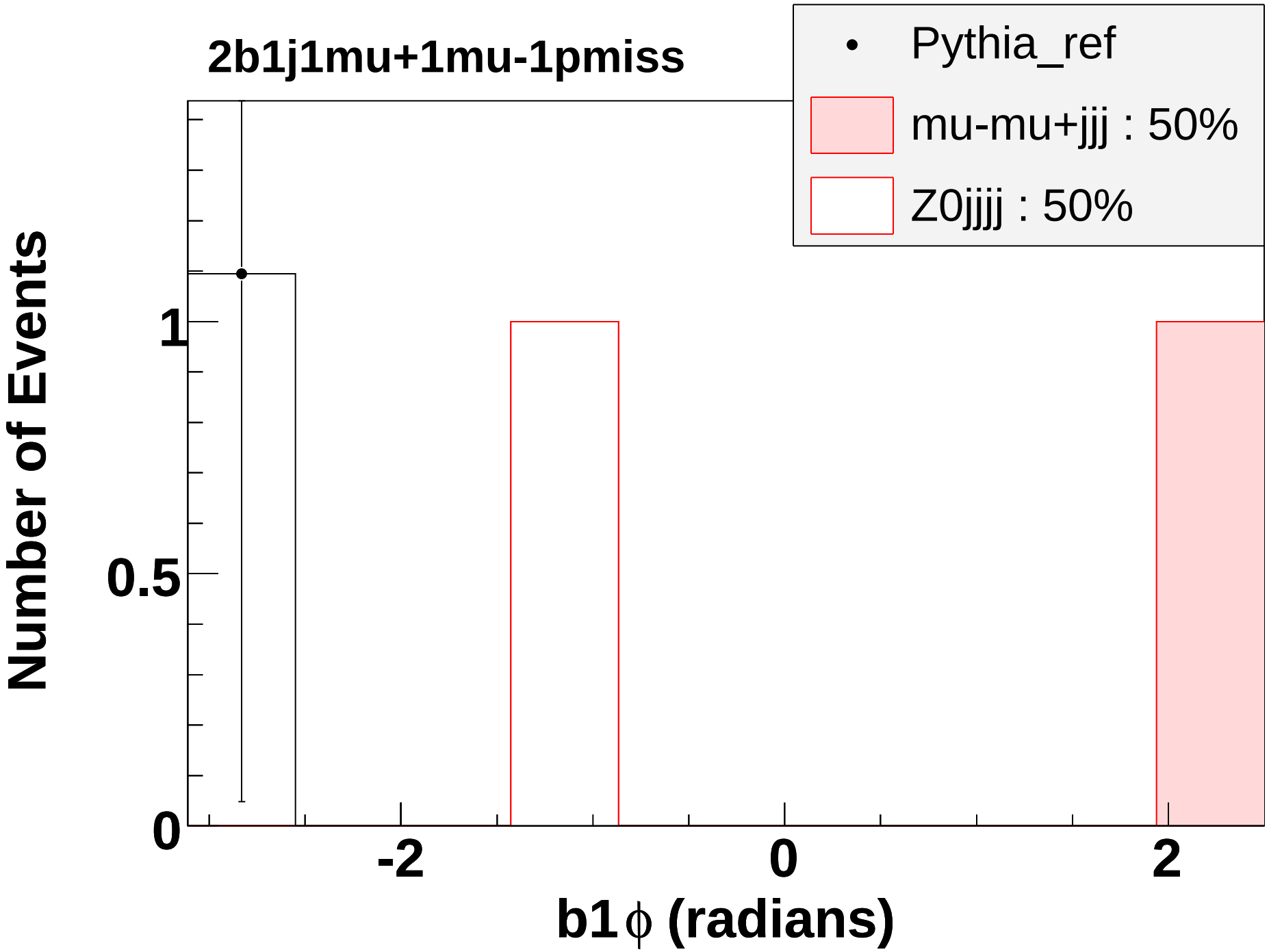

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
1
0.5
0
2
2.5
Δφ(b1,b2) (radians)

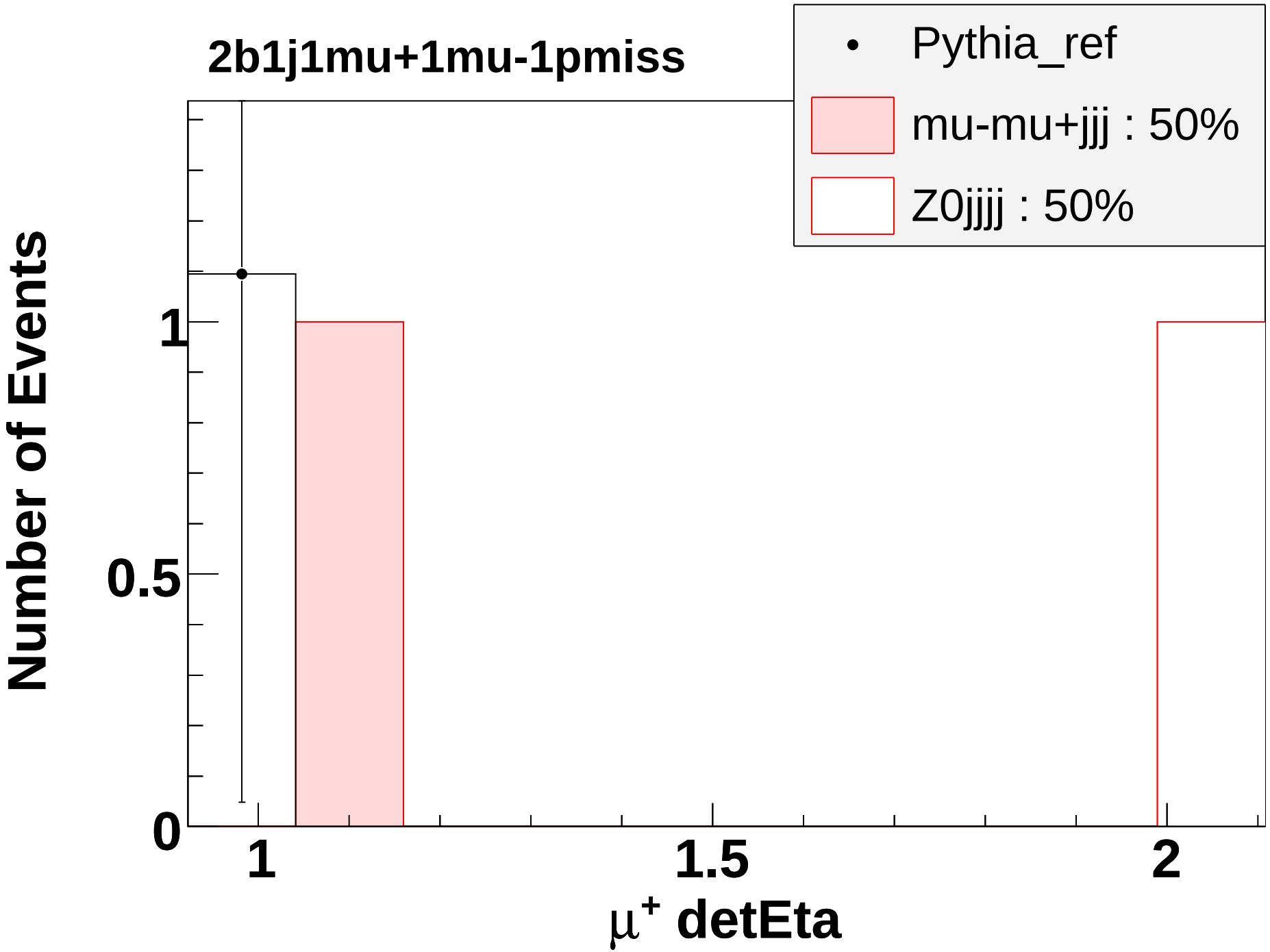

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
1.5
2
2.5
3
Δφ(b1,pmiss) (radians)

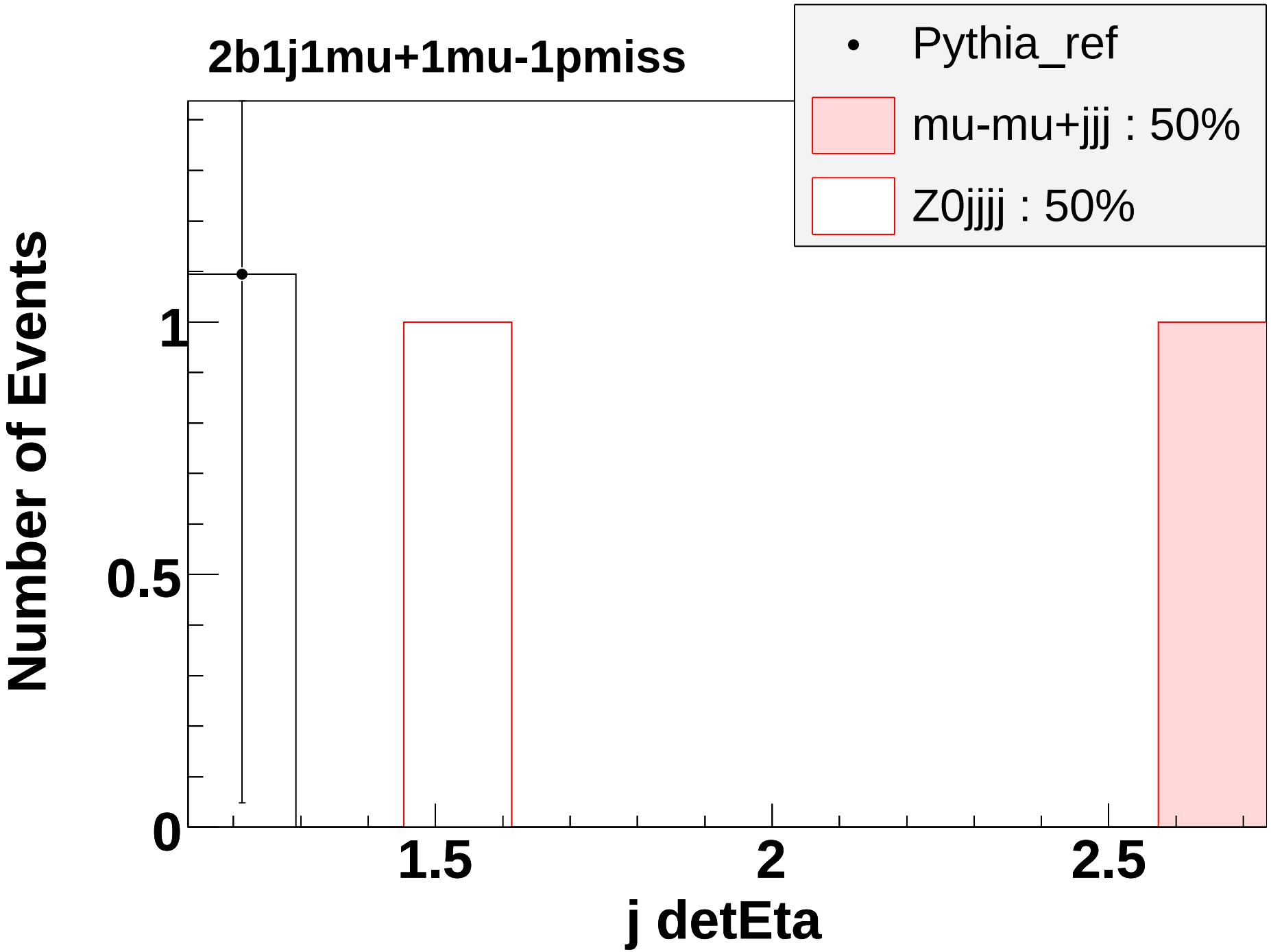

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
1
1.5
2
2.5
3
minΔR(μ⁻,j)

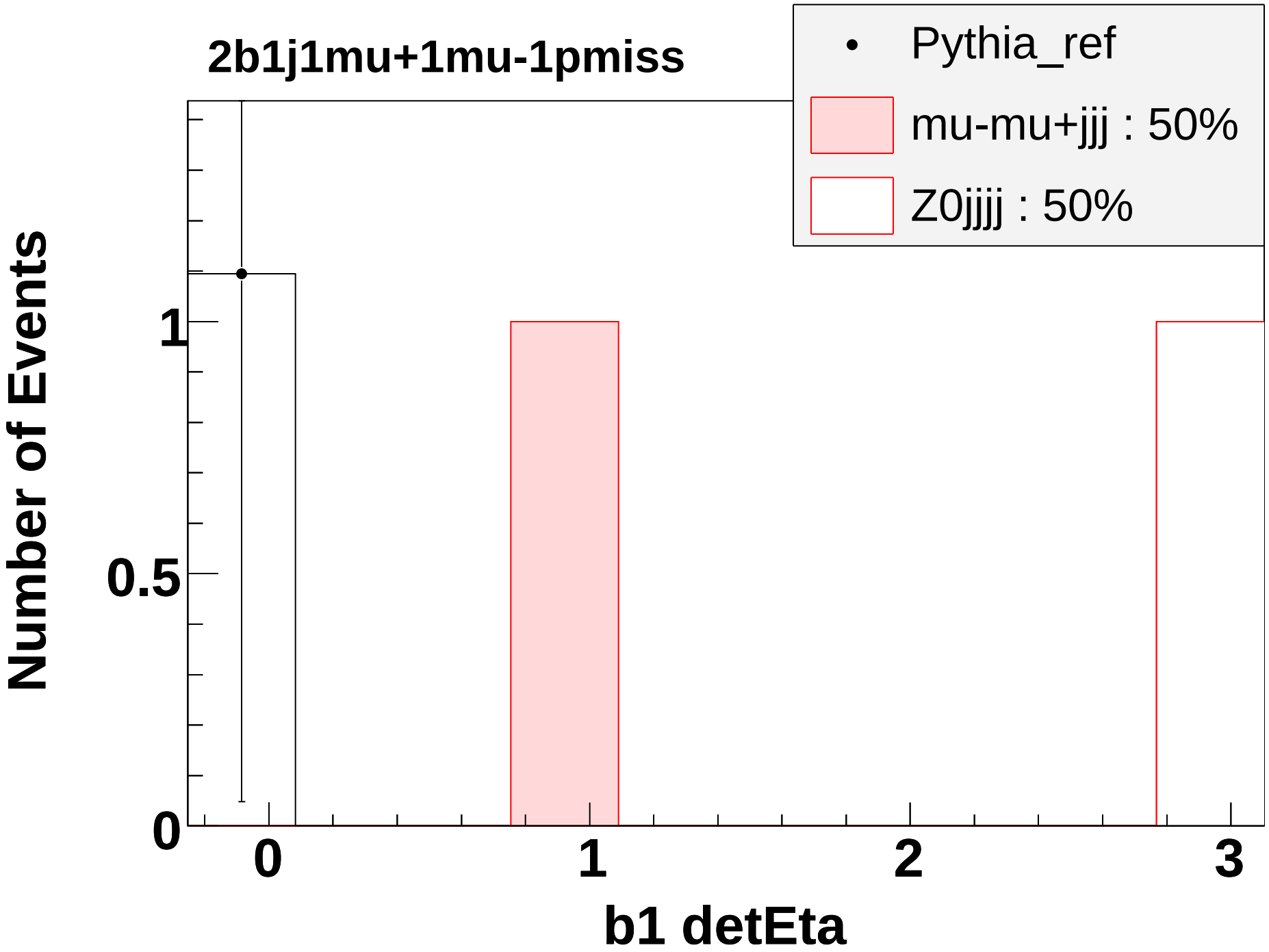

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
1
1.5
2
ΔEta(j2,j3)

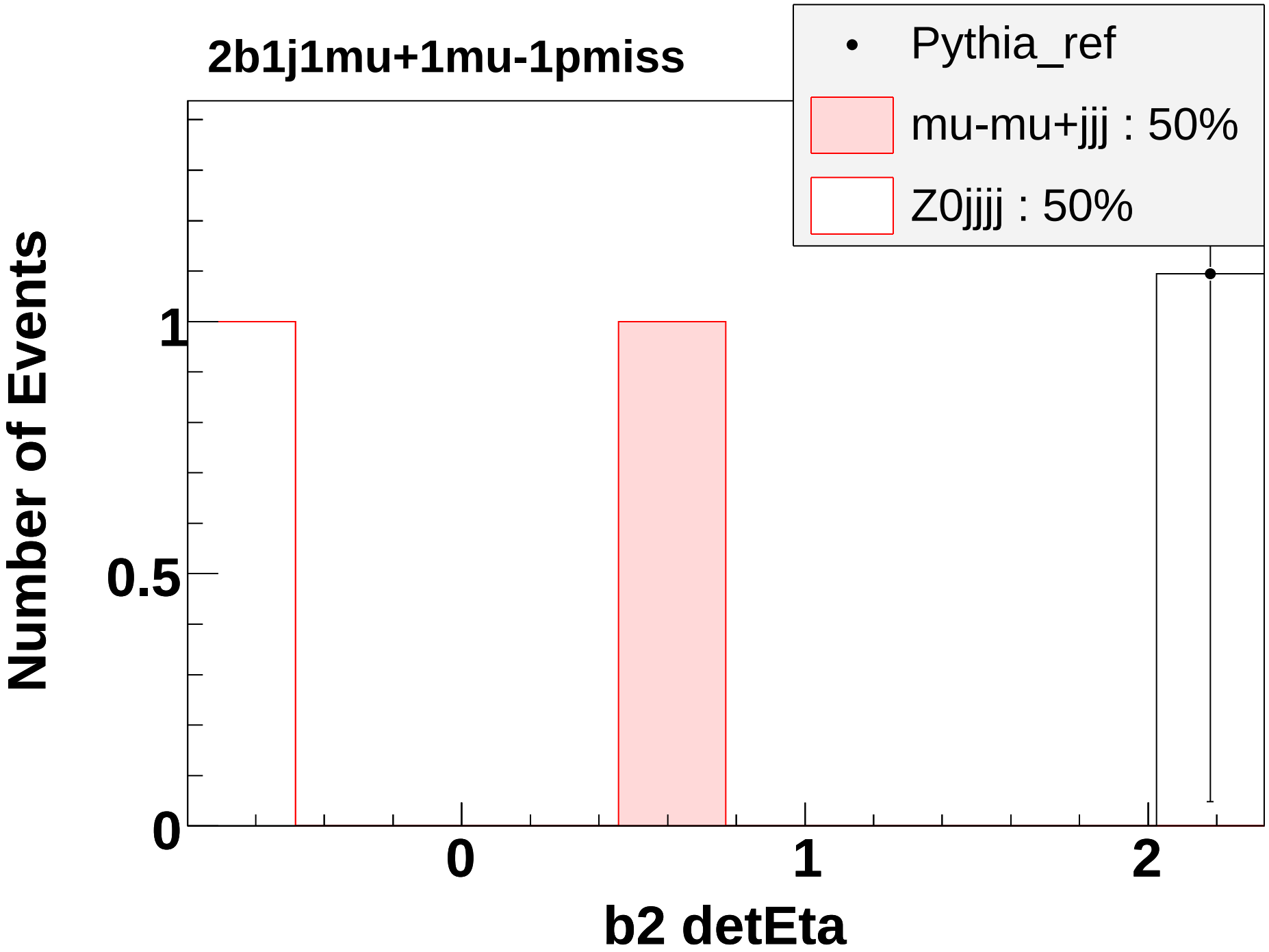

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
0
1
2
μ+ φ (radians)

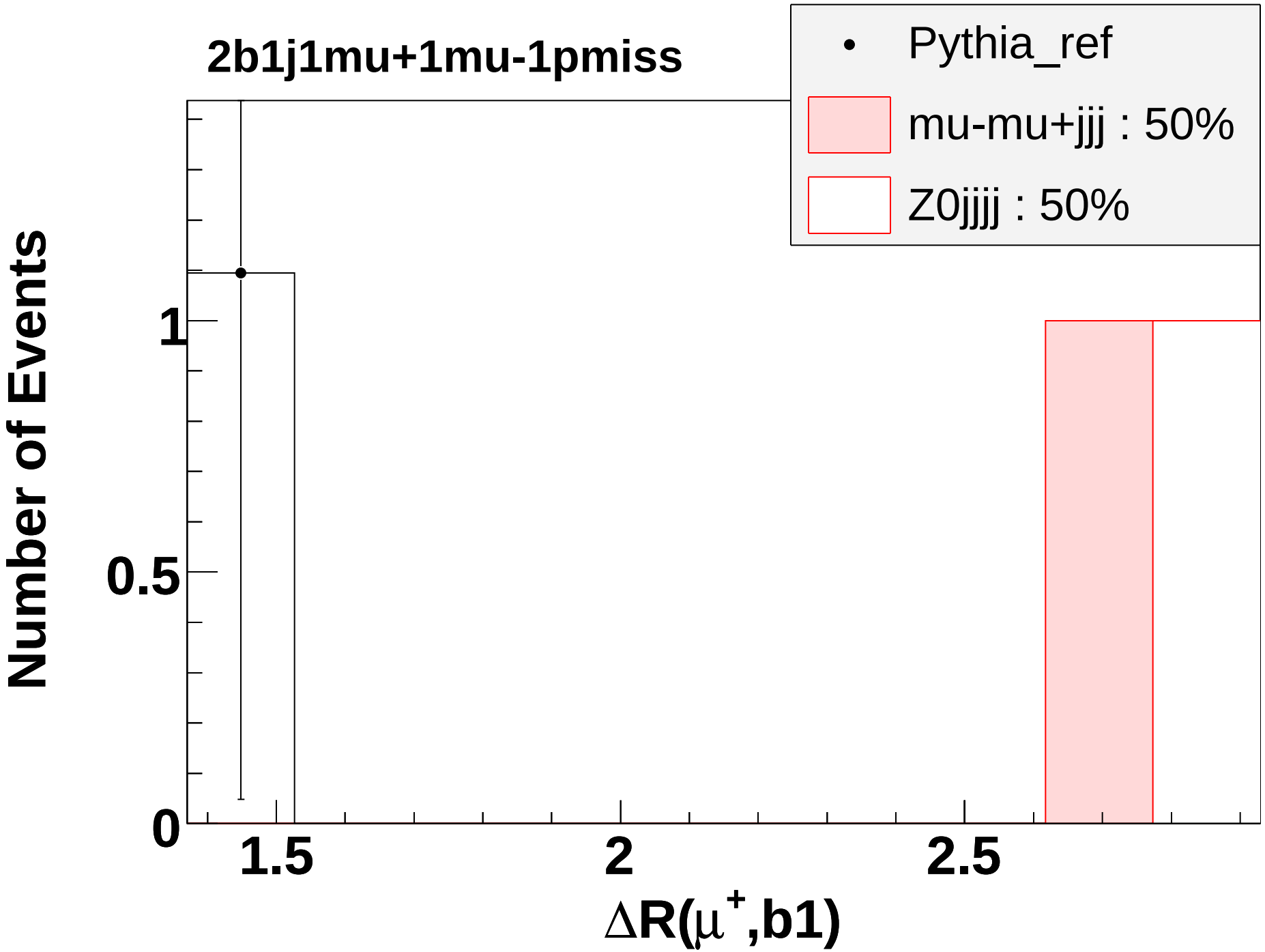

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
-2
0
2
b1 ϕ (radians)

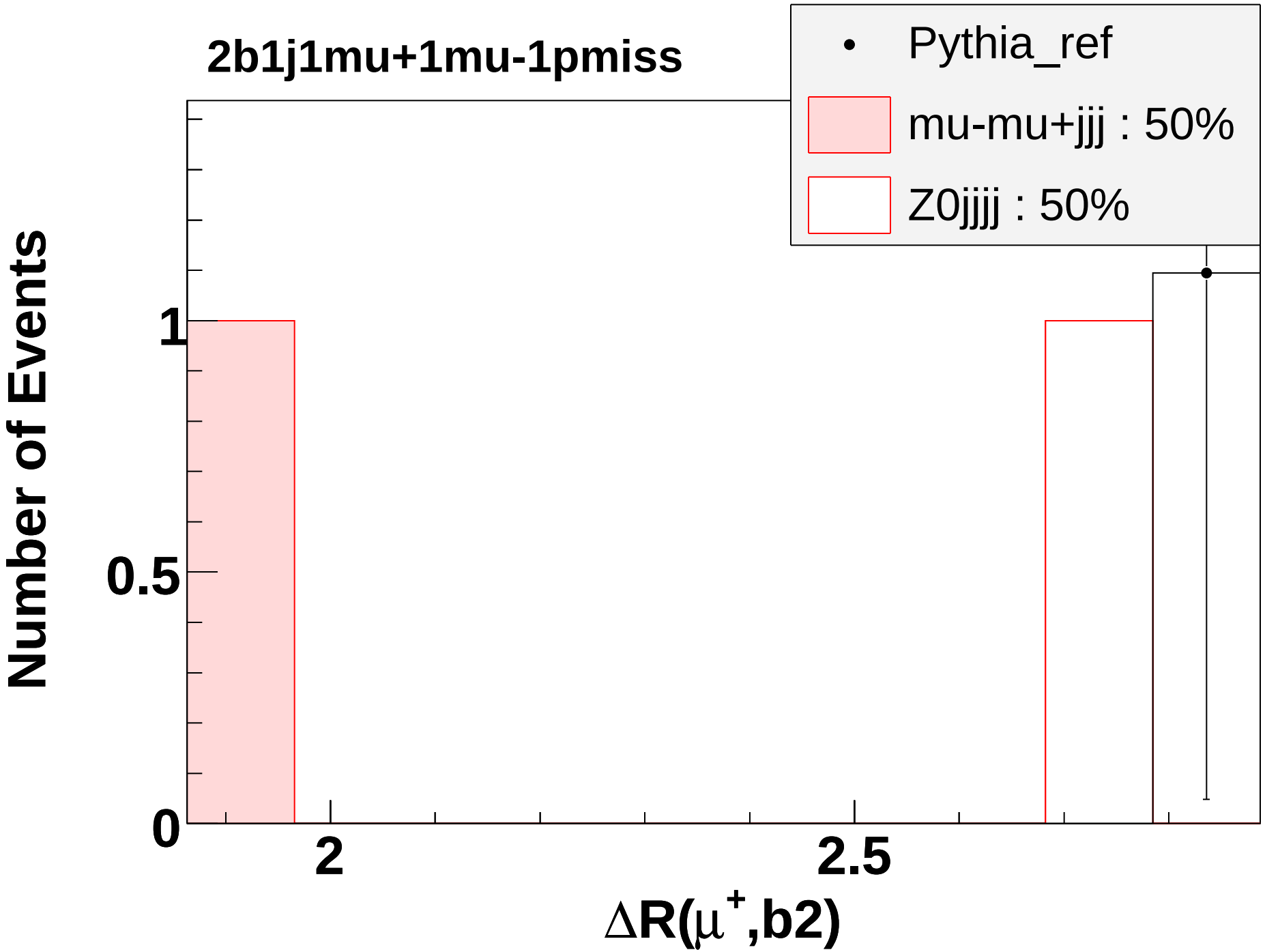

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
1
1.5
2
μ+ detEta

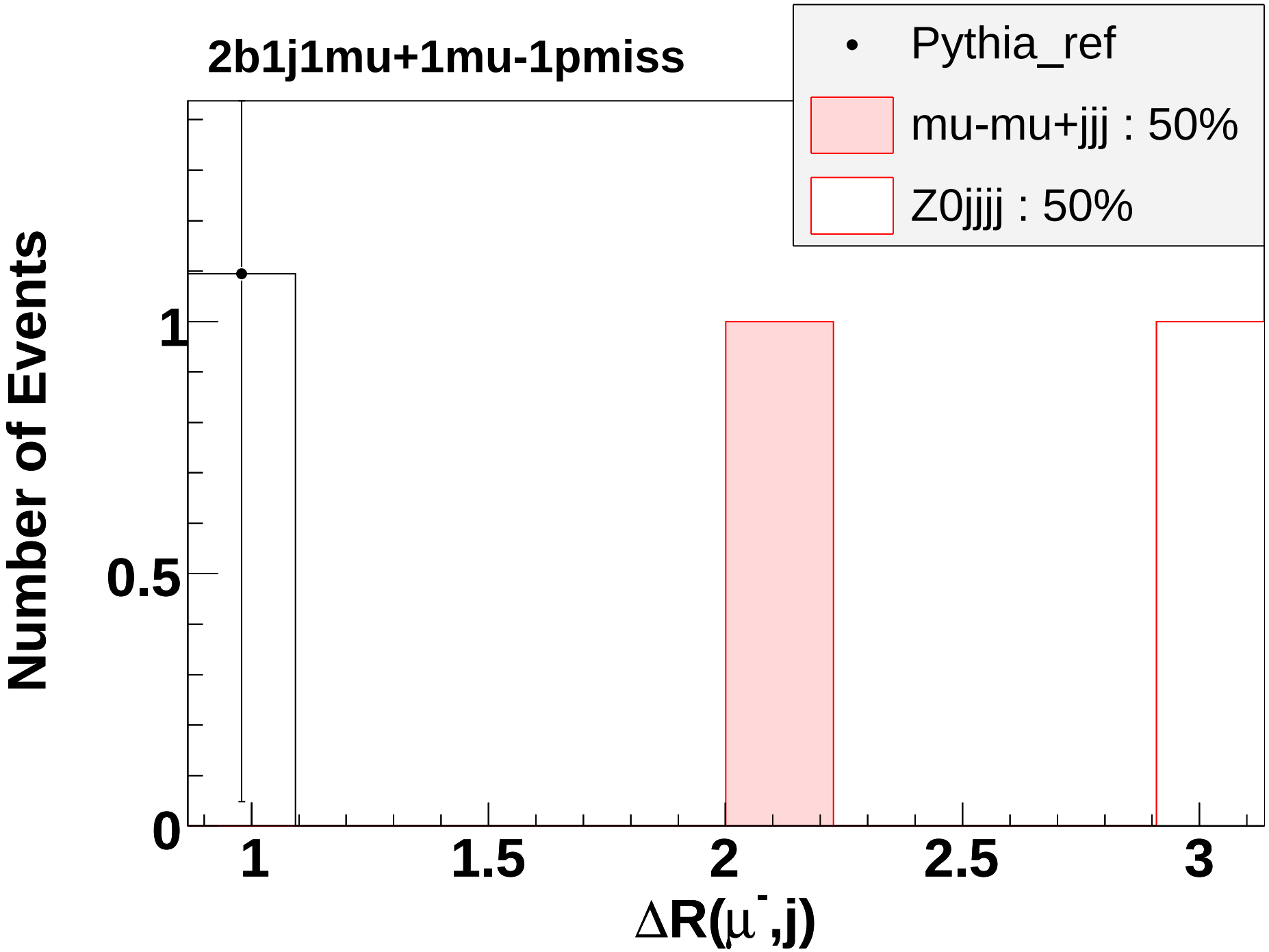

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
1.5
2
2.5
j detEta

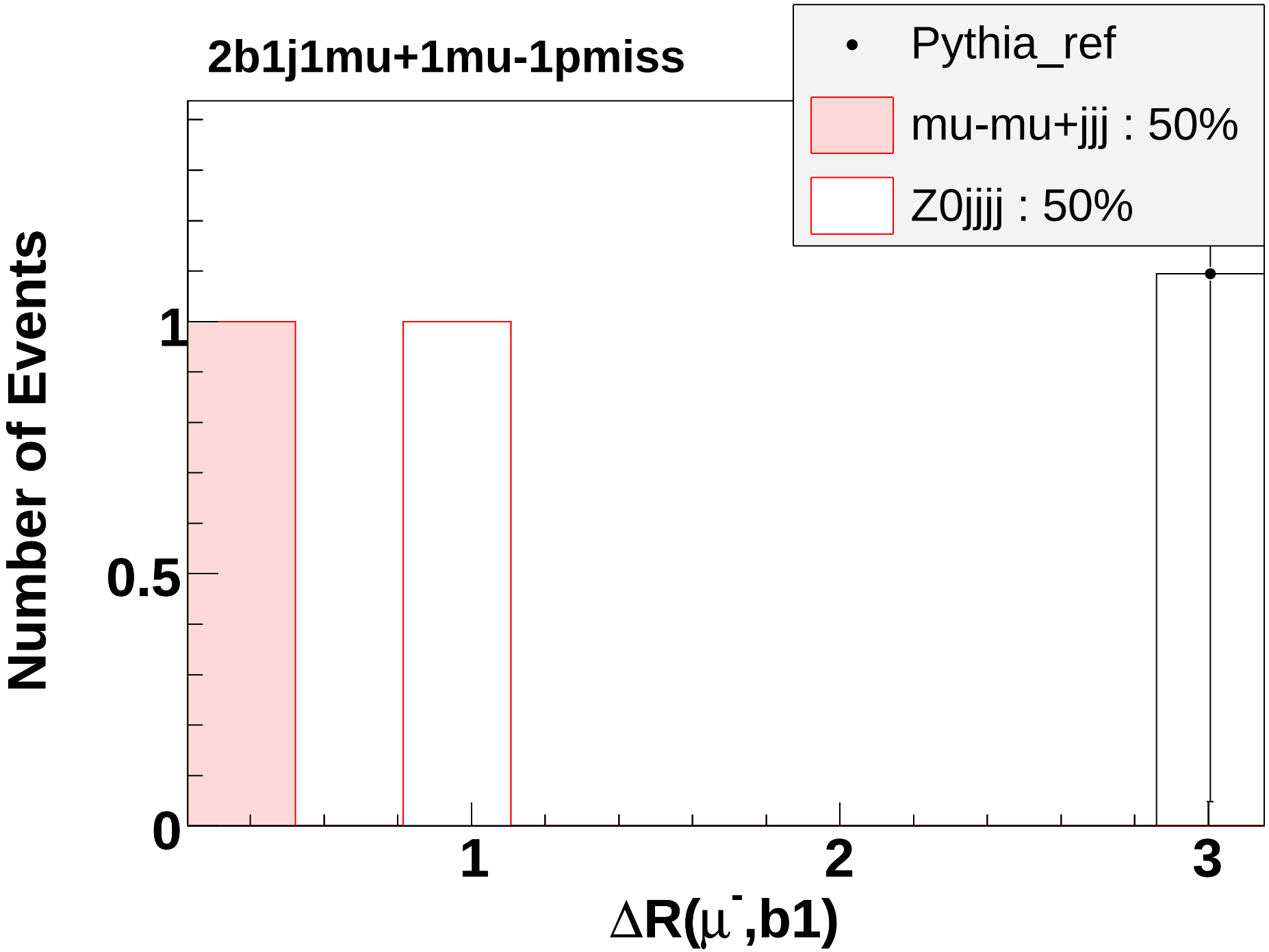

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
0
1
2
3
b1 detEta

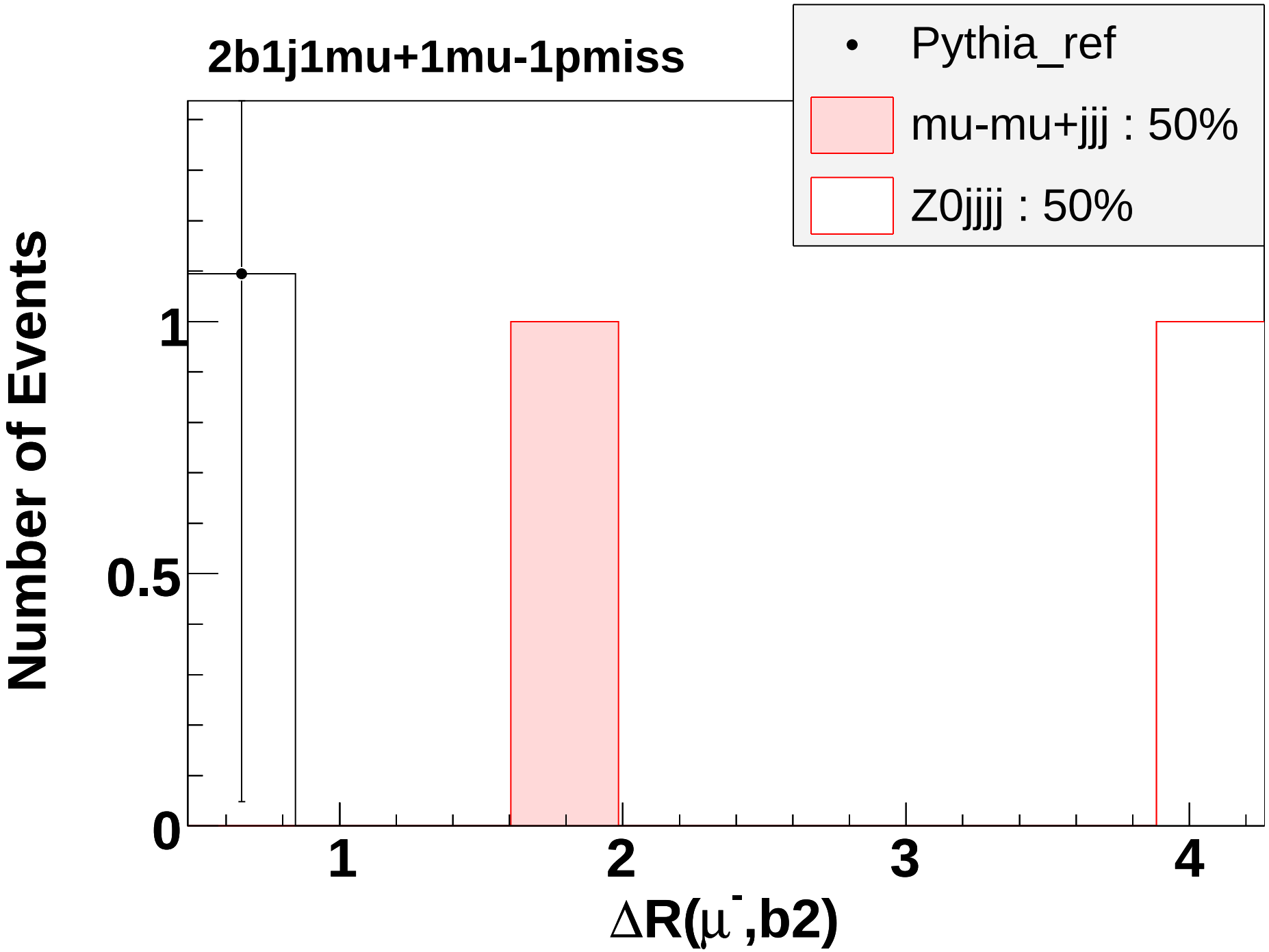

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
0
1
2
b2 detEta

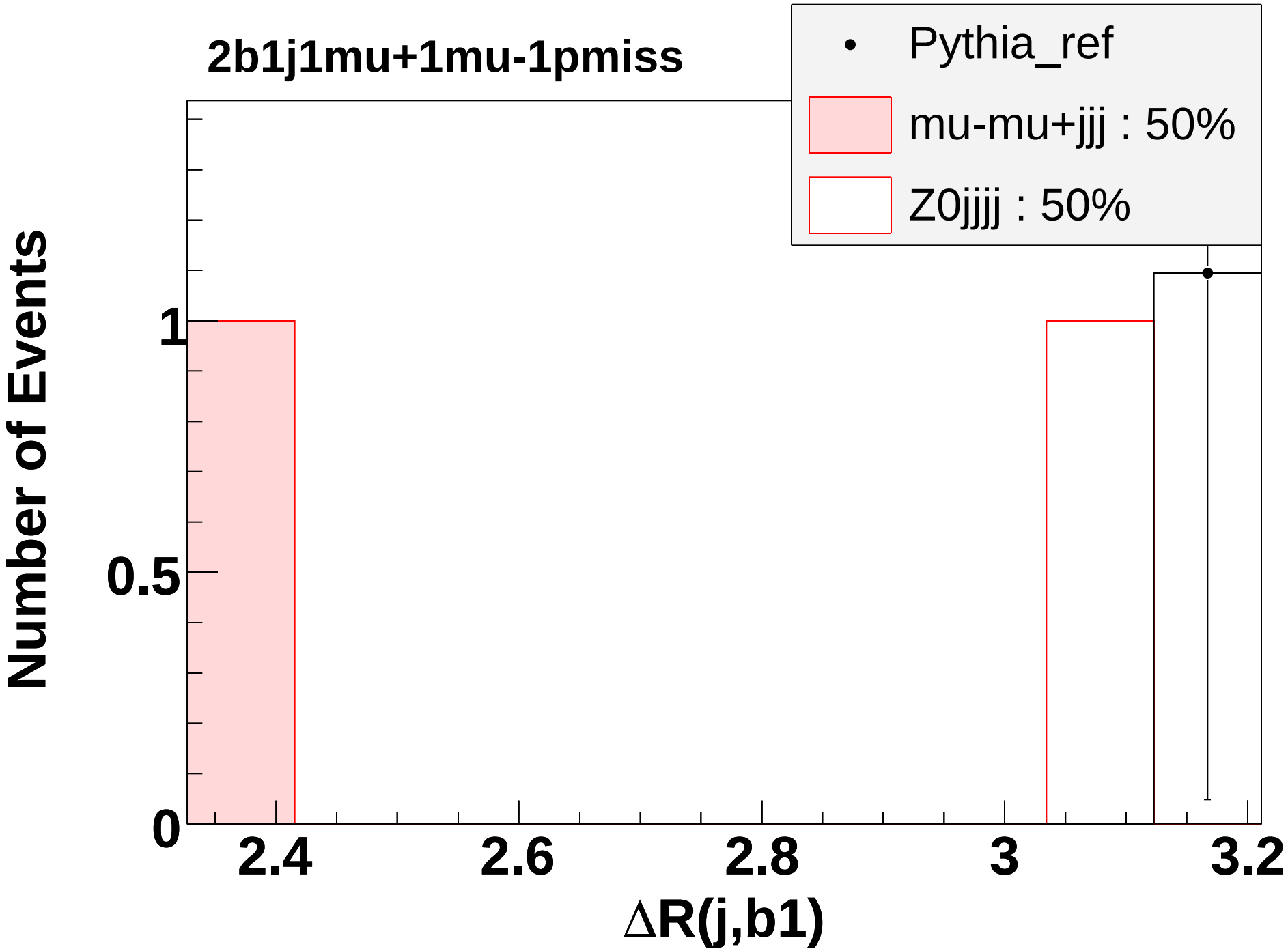

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
1.5
2
2.5
ΔR(μ+,b1)

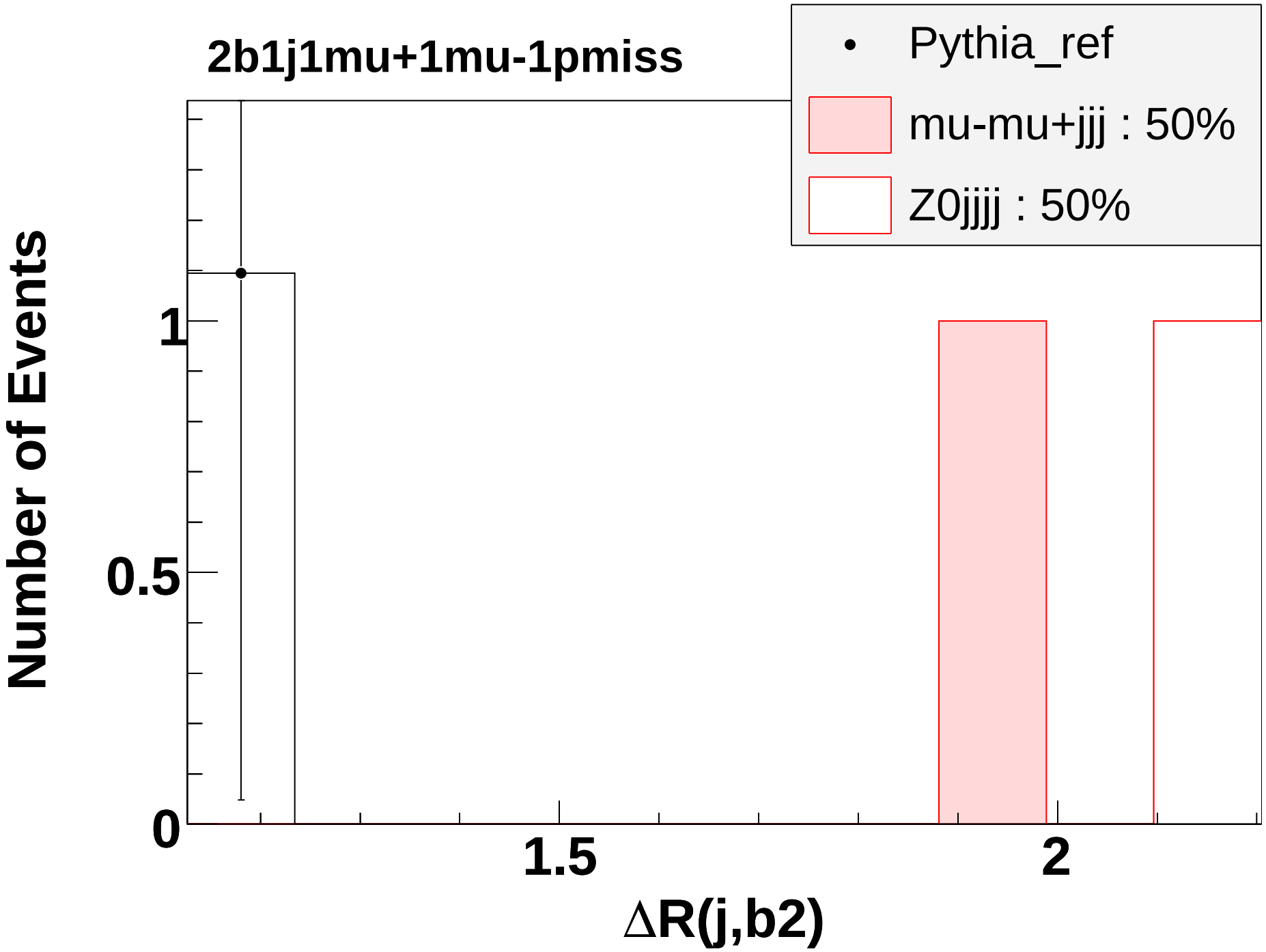

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
1
0.5
0
2
2.5
ΔR(μ+,b2)

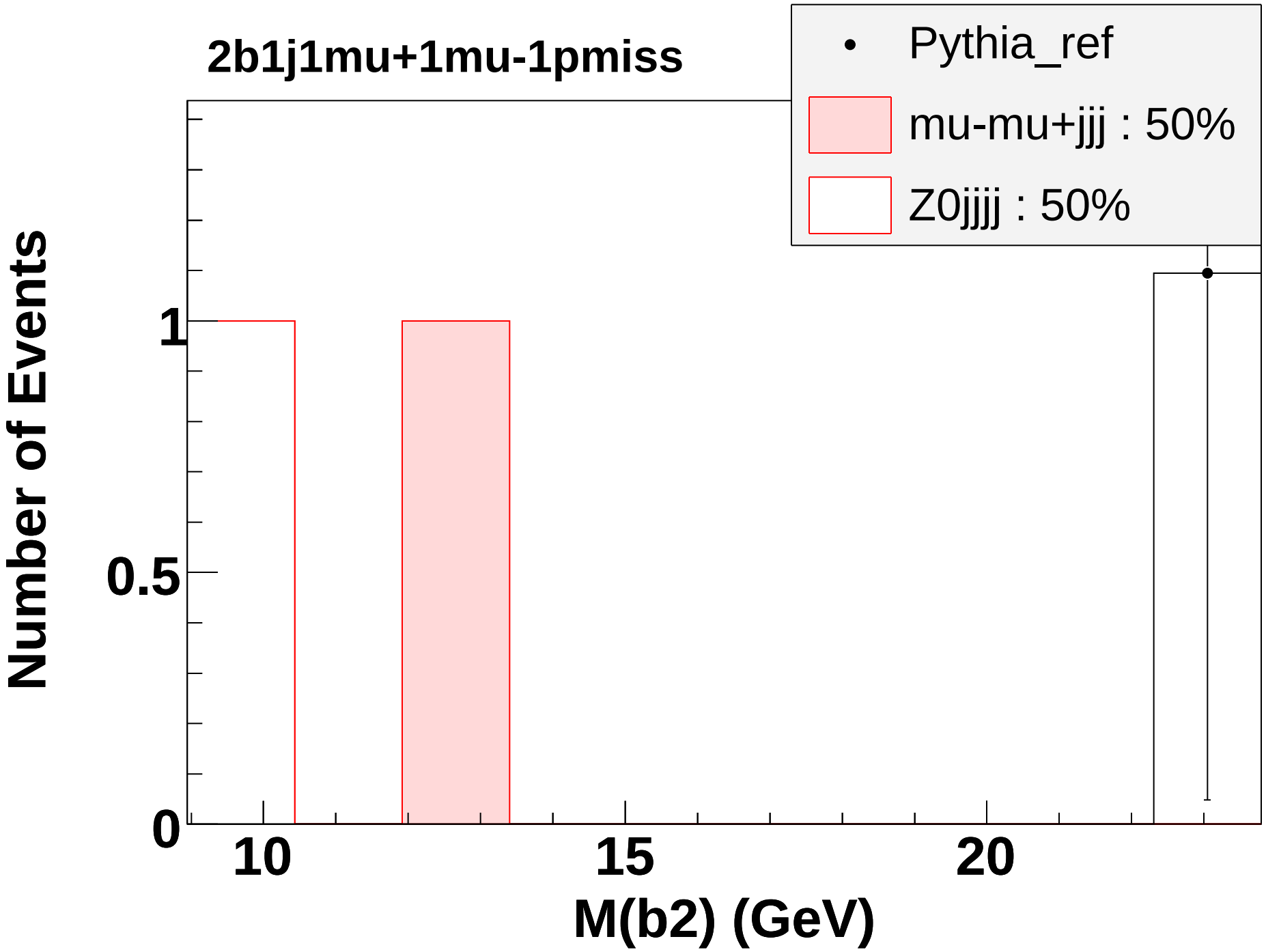

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
1
1.5
2
2.5
3
ΔR(μ⁻,j)

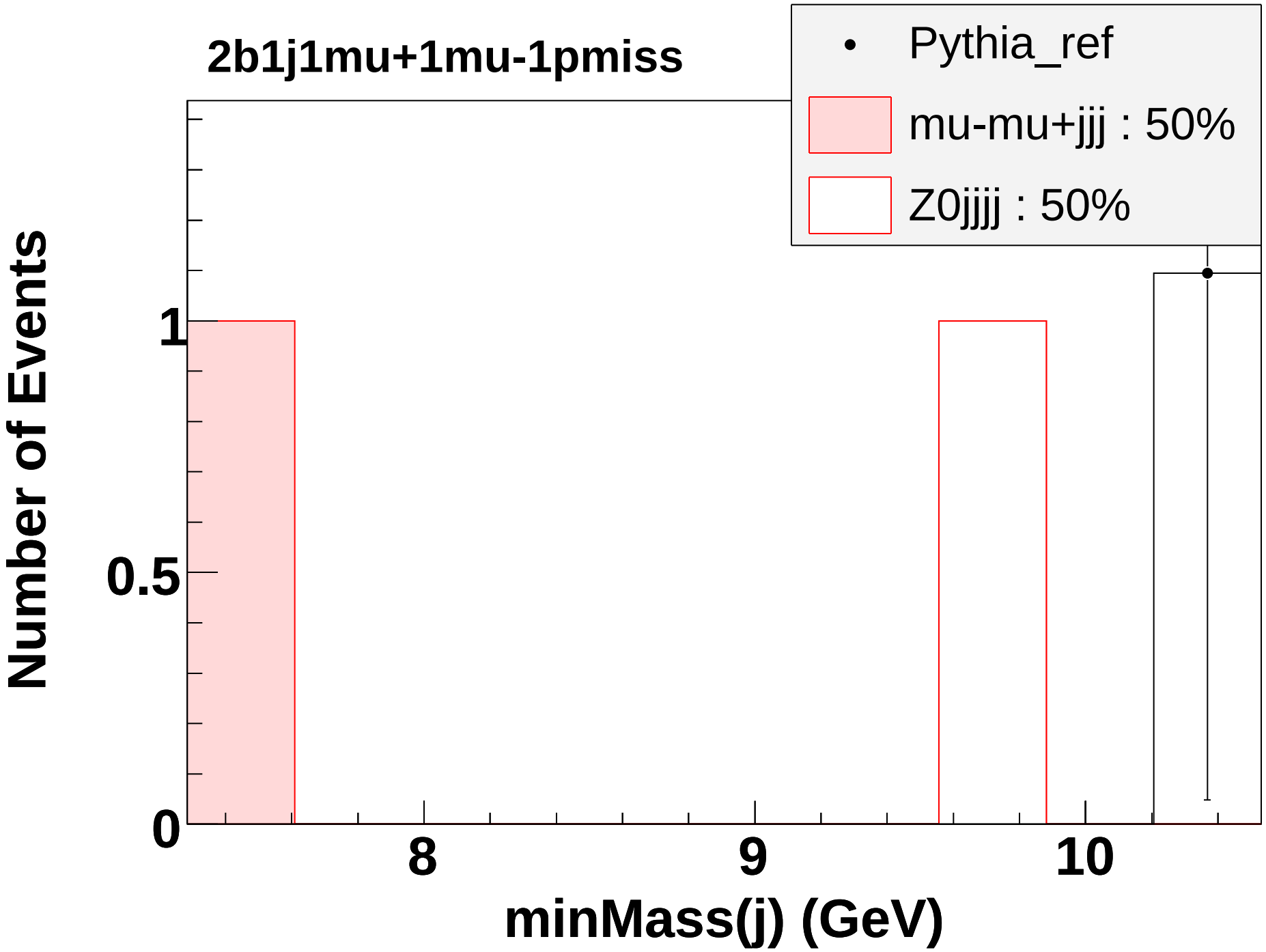

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
1
2
3
ΔR(μ⁻,b1)

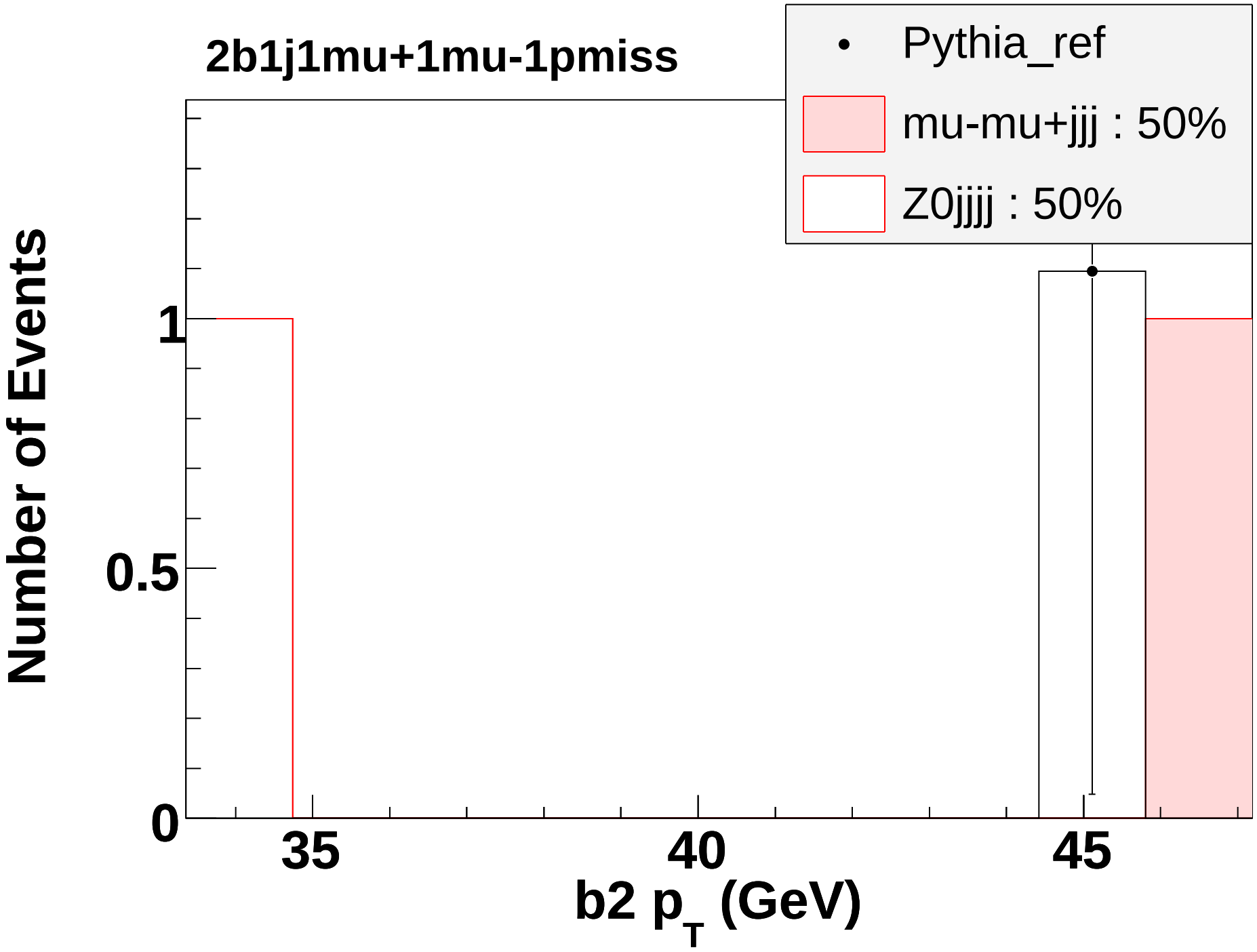

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
1
2
3
4
ΔR(μ⁻,b2)

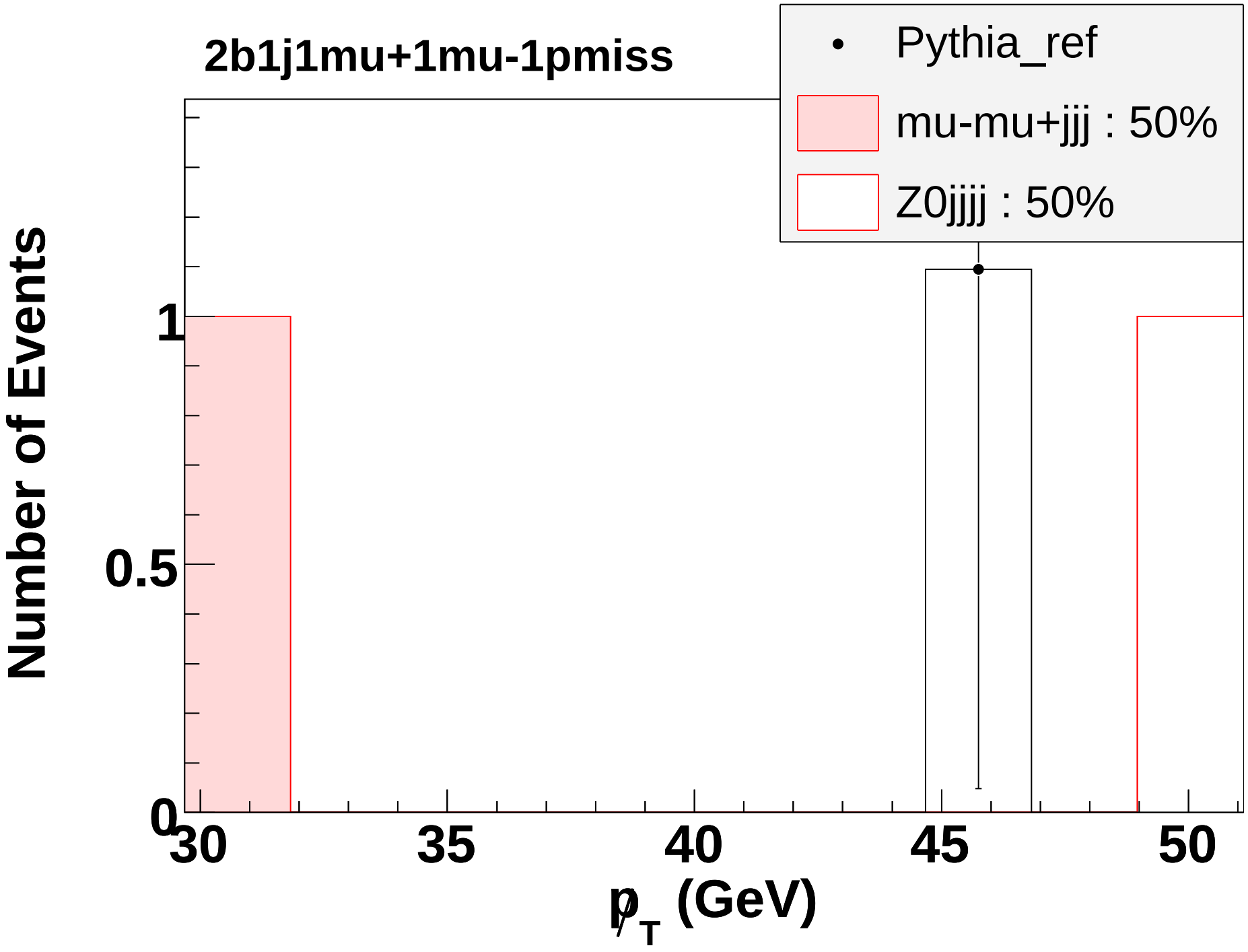

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
2.4
2.6
2.8
3
3.2
ΔR(j,b1)

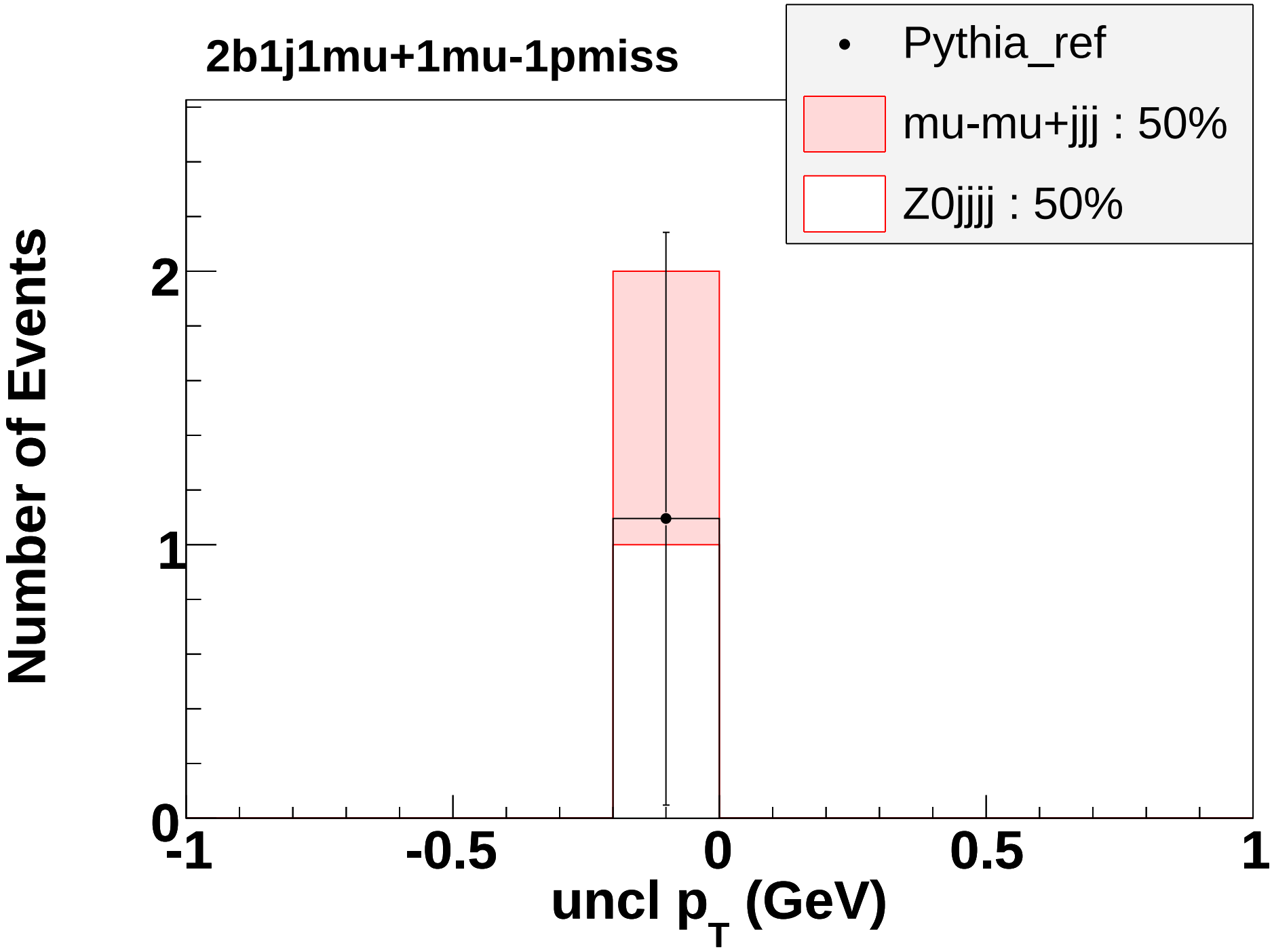

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
1.5
2
ΔR(j,b2)

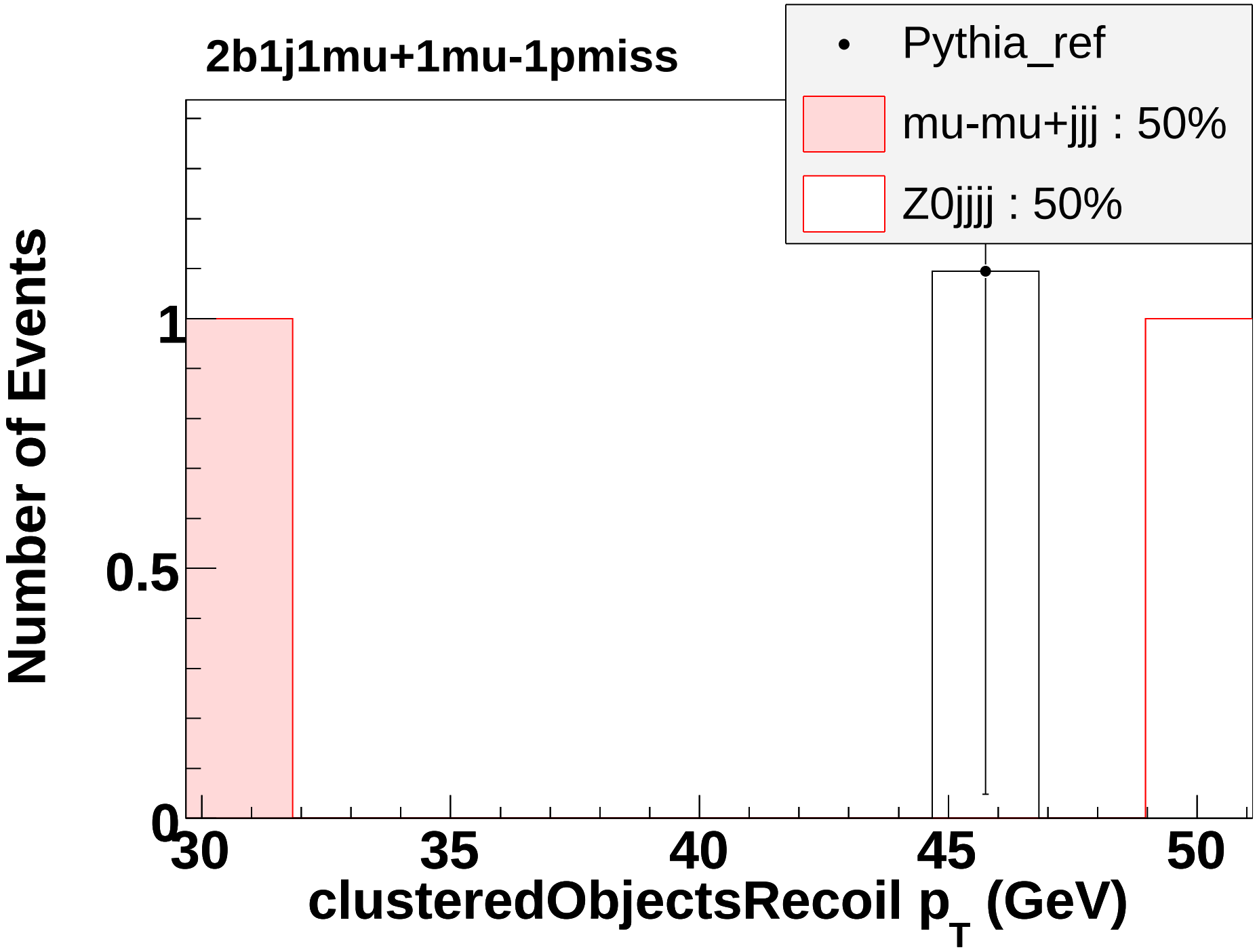

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
10
15
20
M(b2) (GeV)

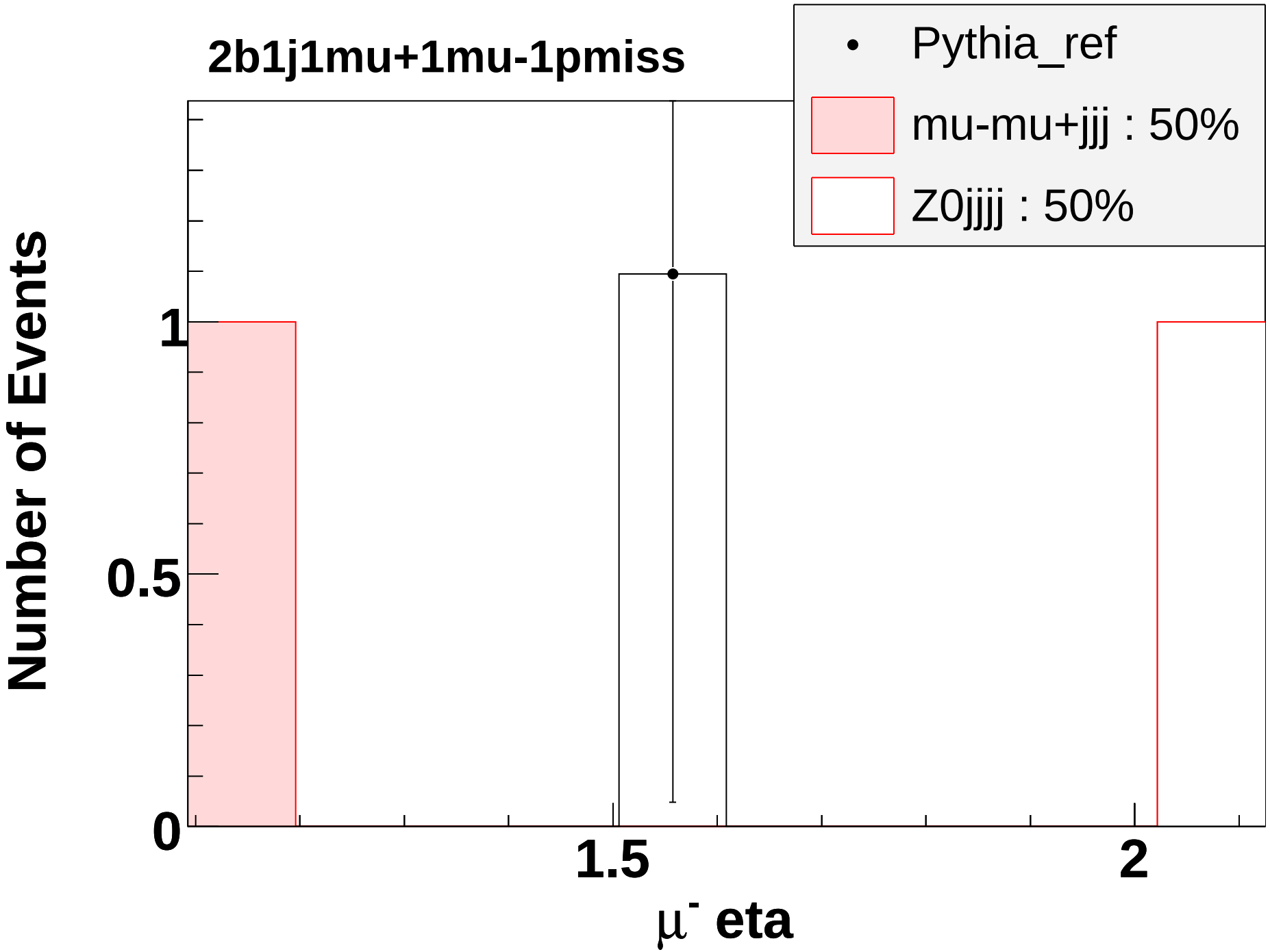

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
8
9
10
minMass(j) (GeV)

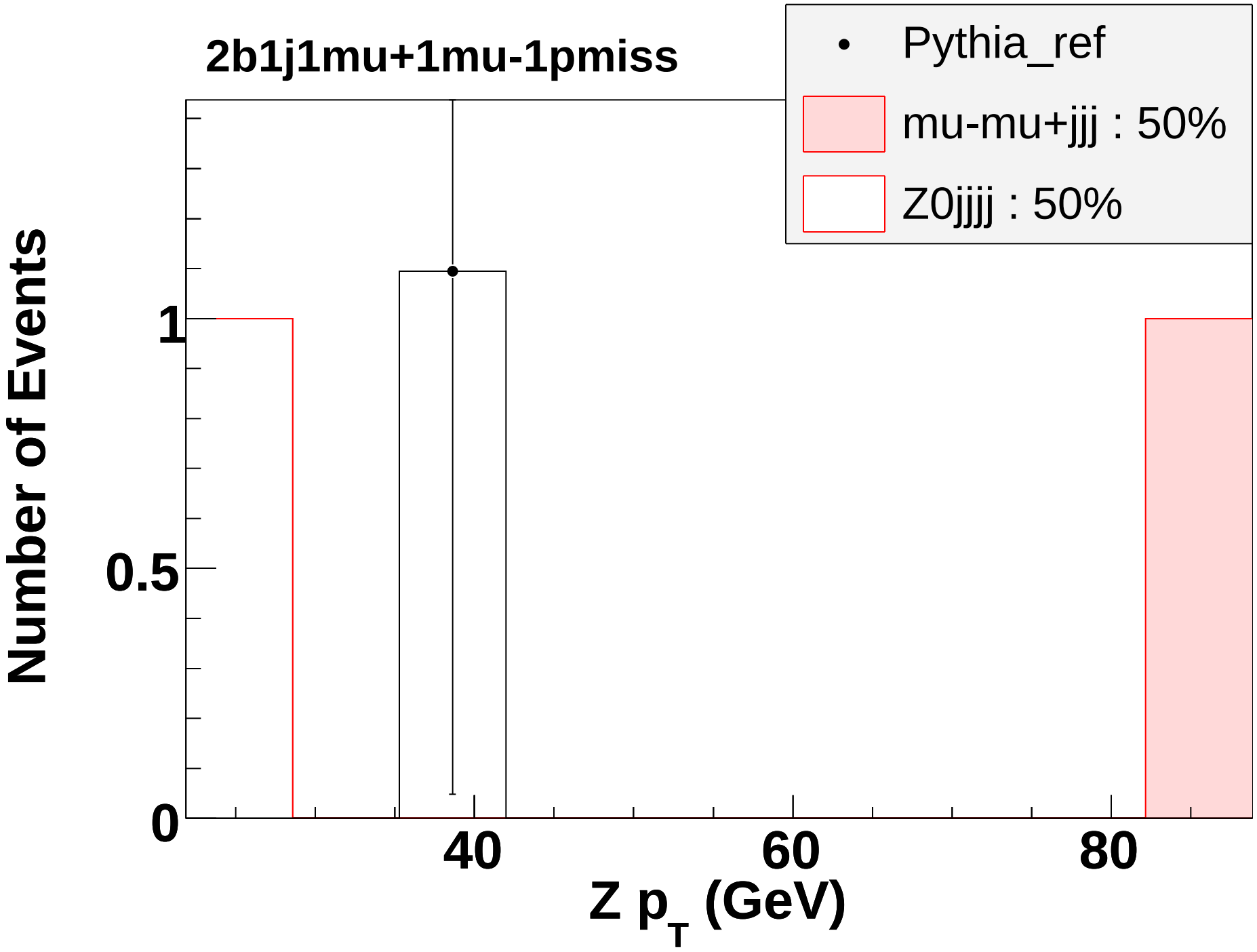

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
35
40
45
b2 p_T (GeV)

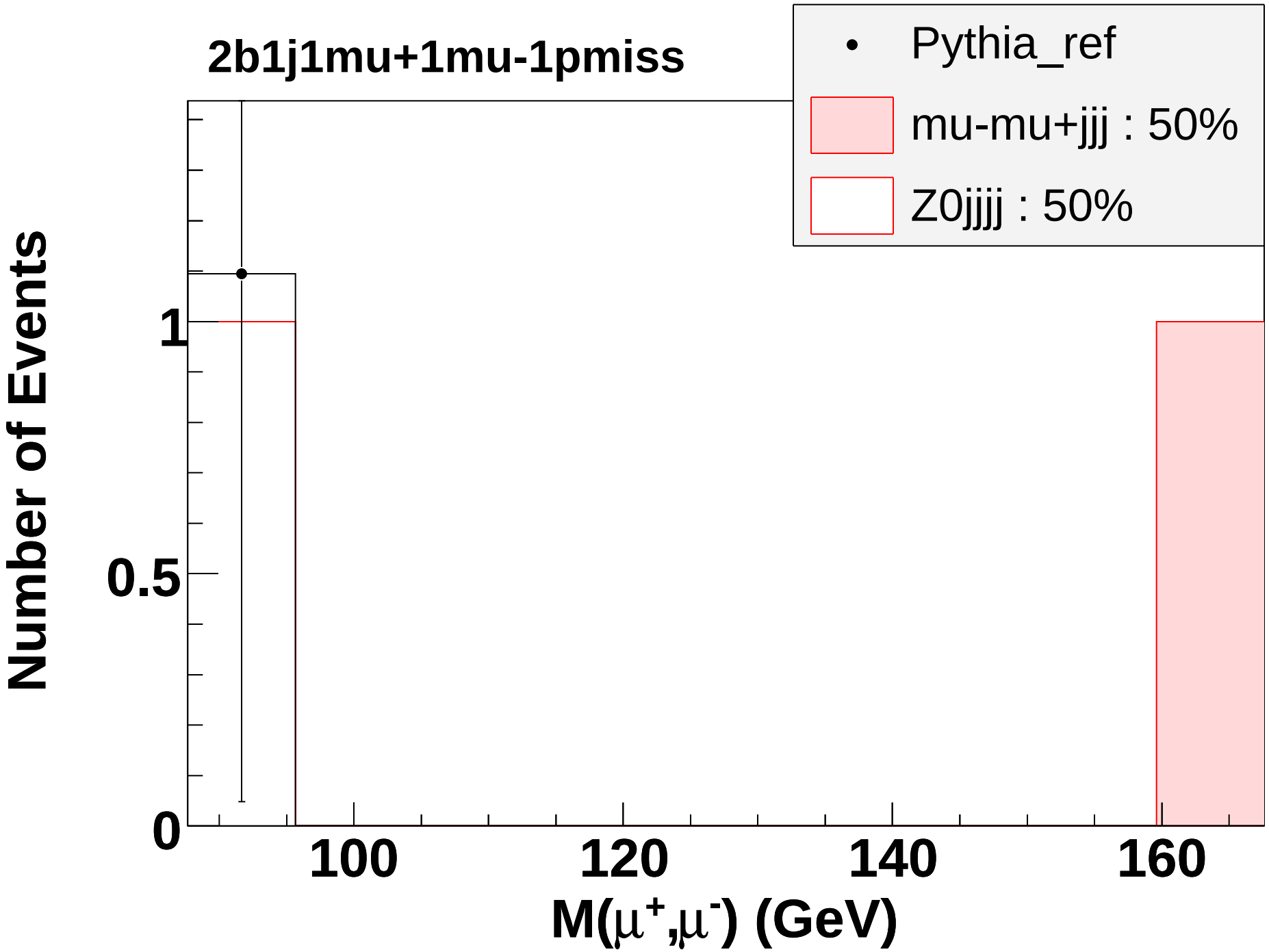

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
30
35
40
45
50
$\not{p}_T$ (GeV)

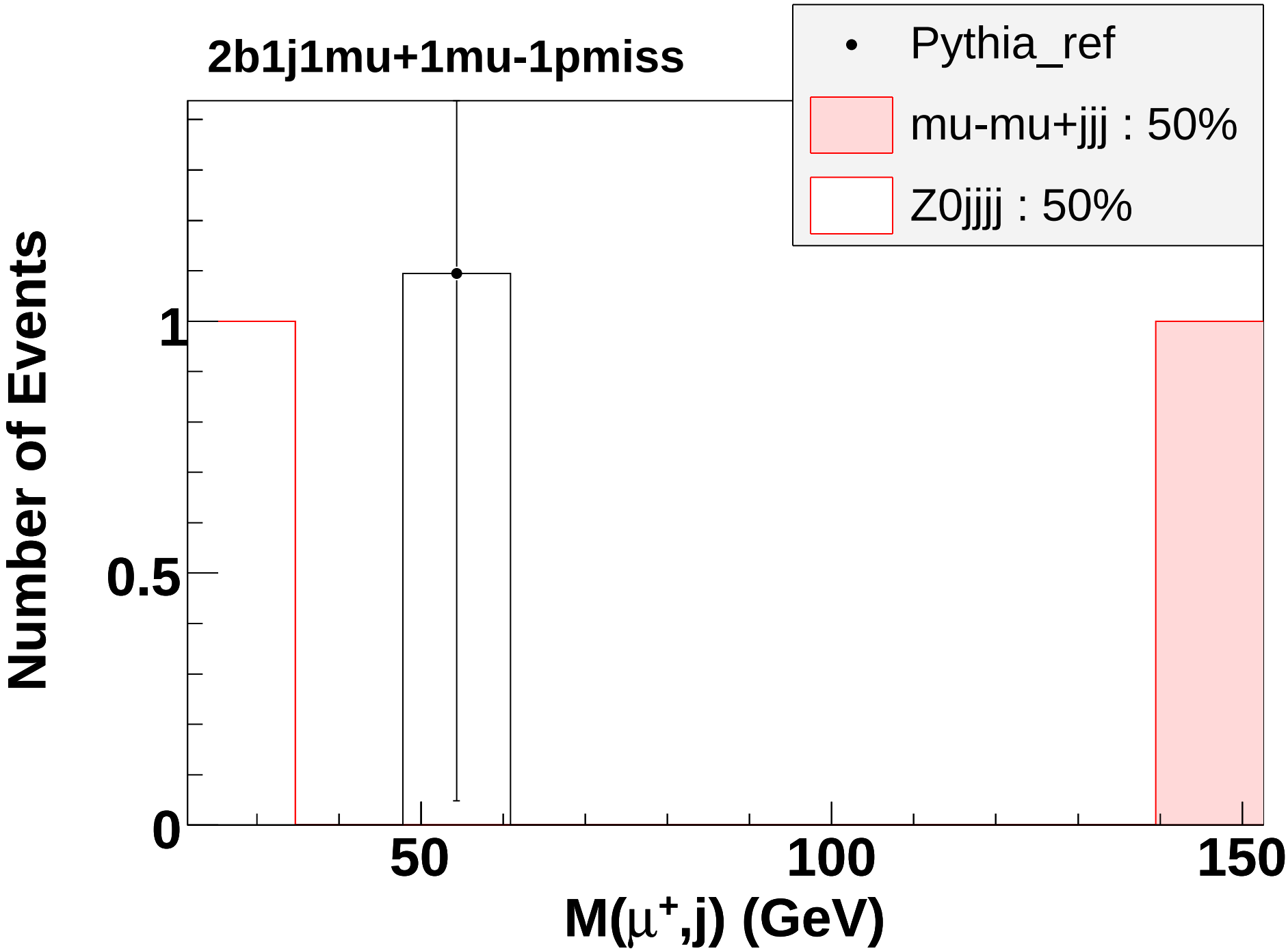

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
1
2
-1
-0.5
0
0.5
1
uncl p_T (GeV)

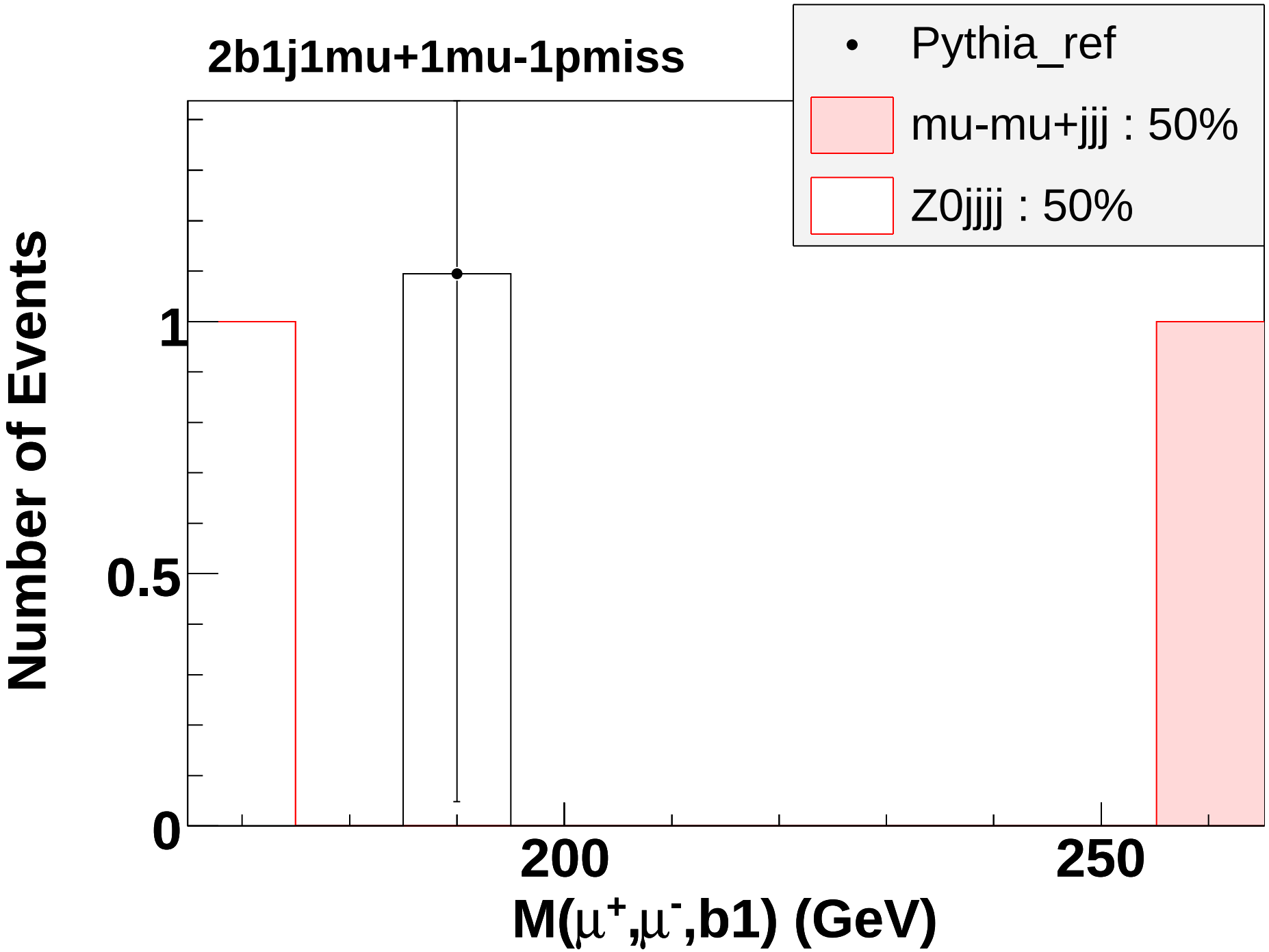

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
30
35
40
45
50
clusteredObjectsRecoil p_T (GeV)

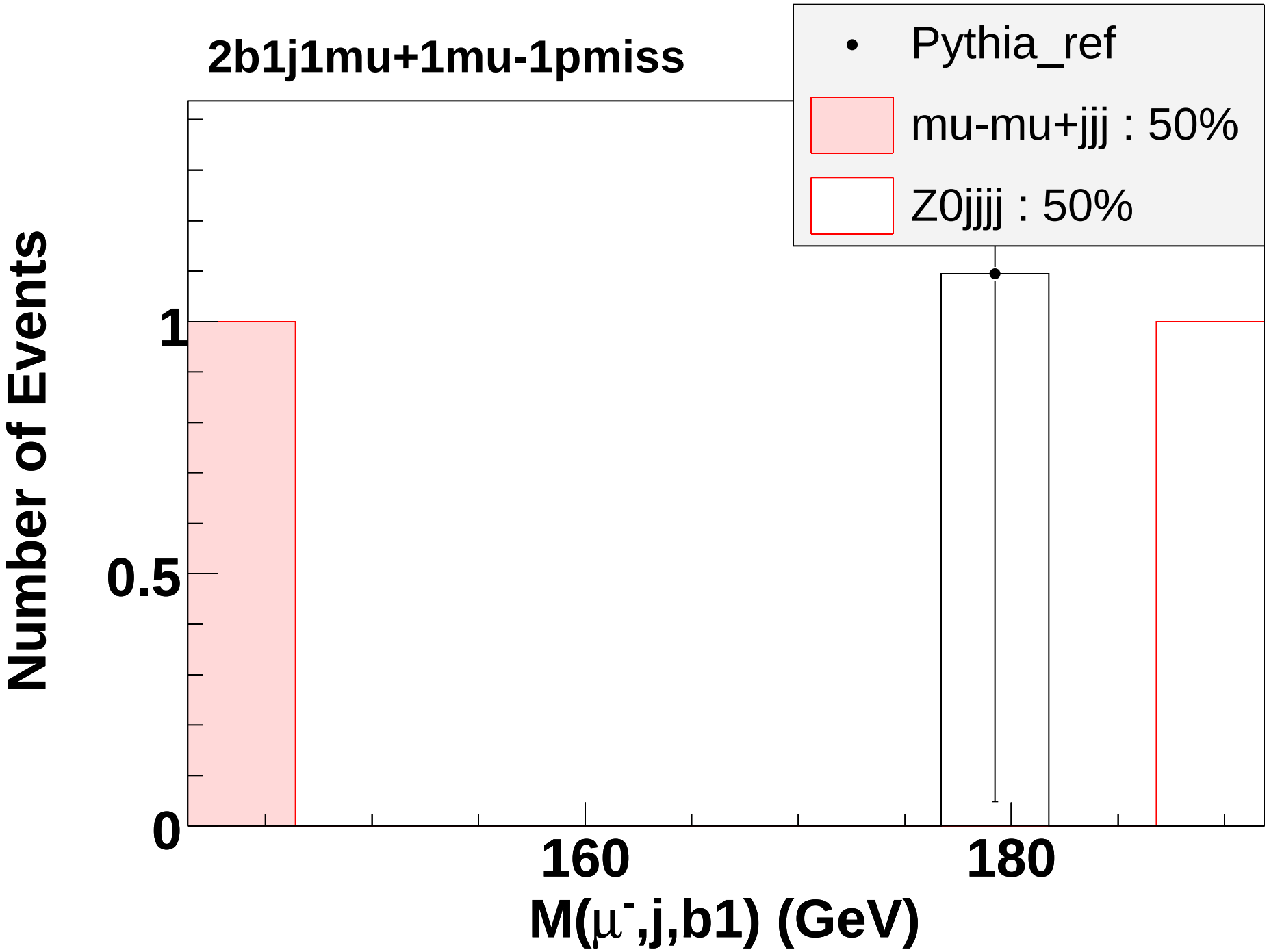

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
1.5
2
μ⁻ eta

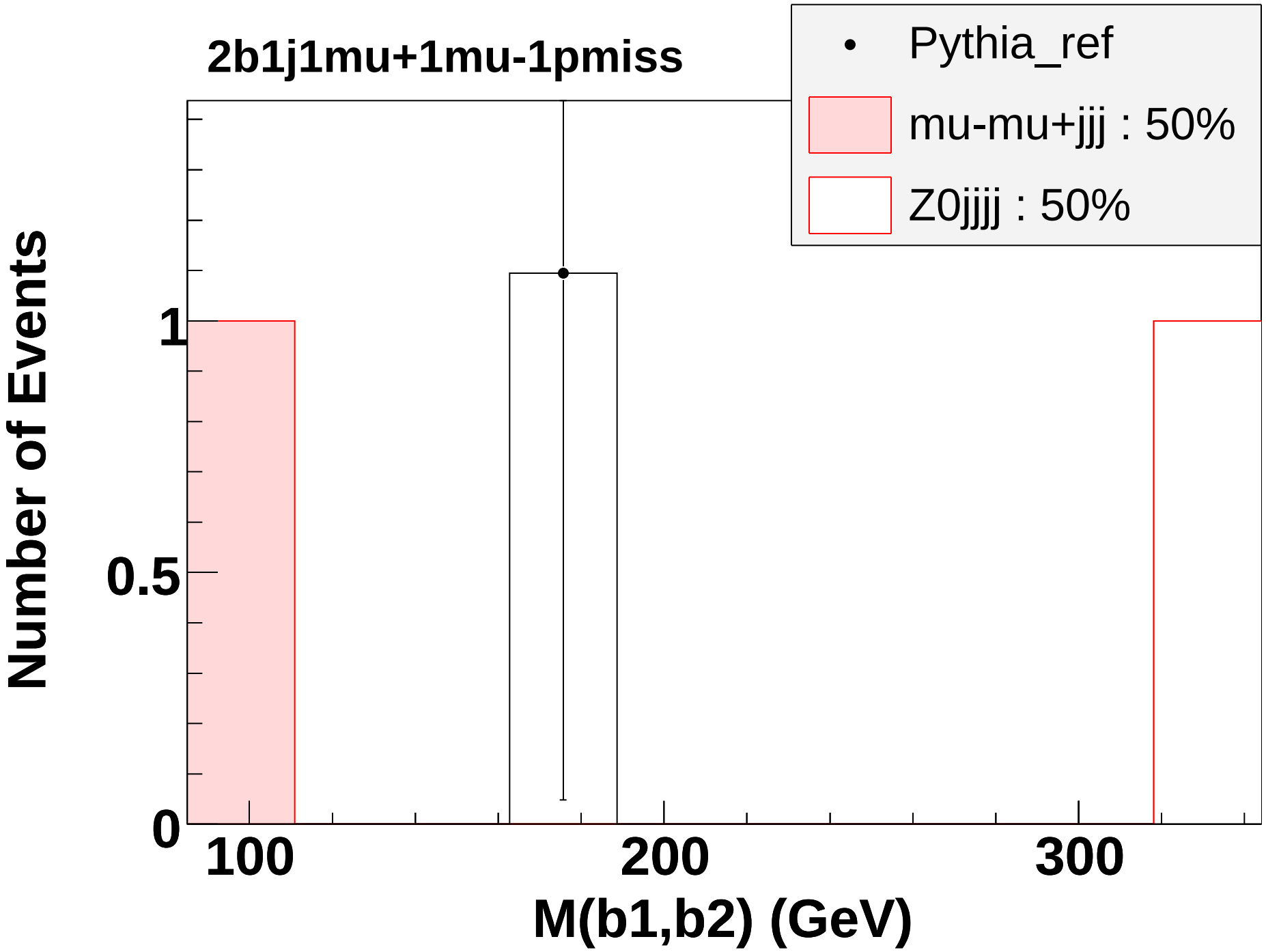

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
40
60
80
Z p_T (GeV)

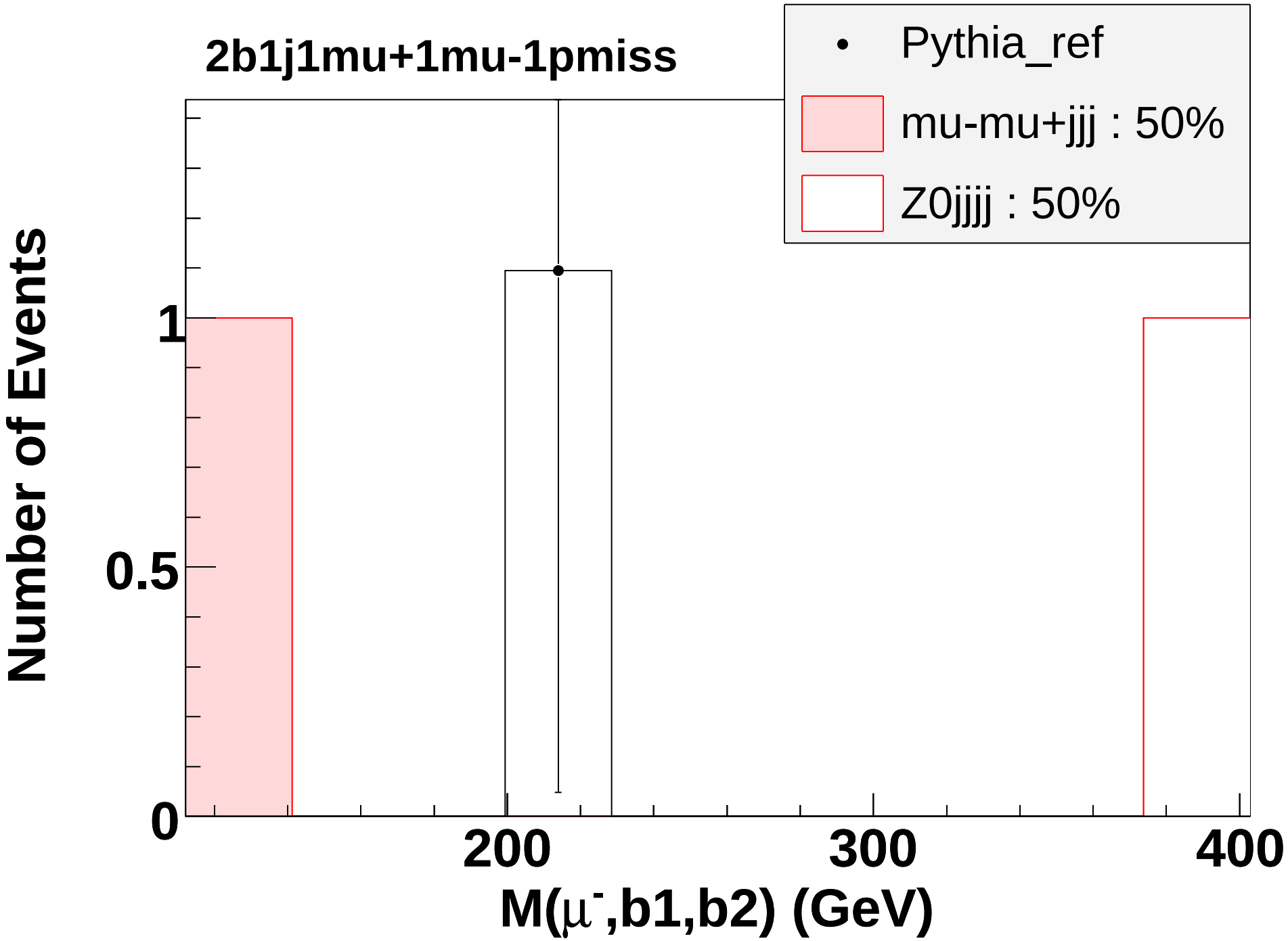

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
100
120
140
160
M(μ+,μ-) (GeV)

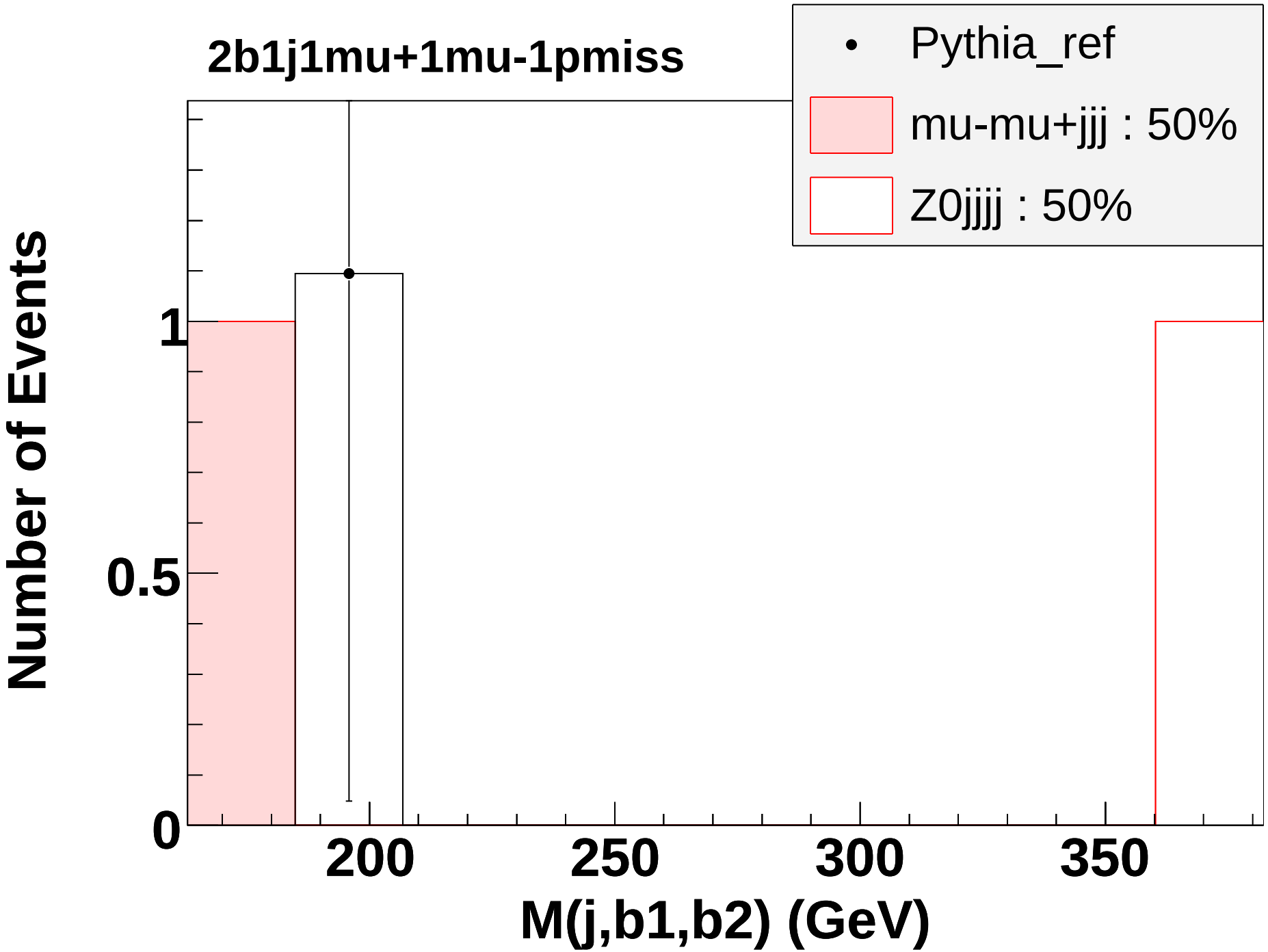

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
50
100
150
M(μ⁺,j) (GeV)

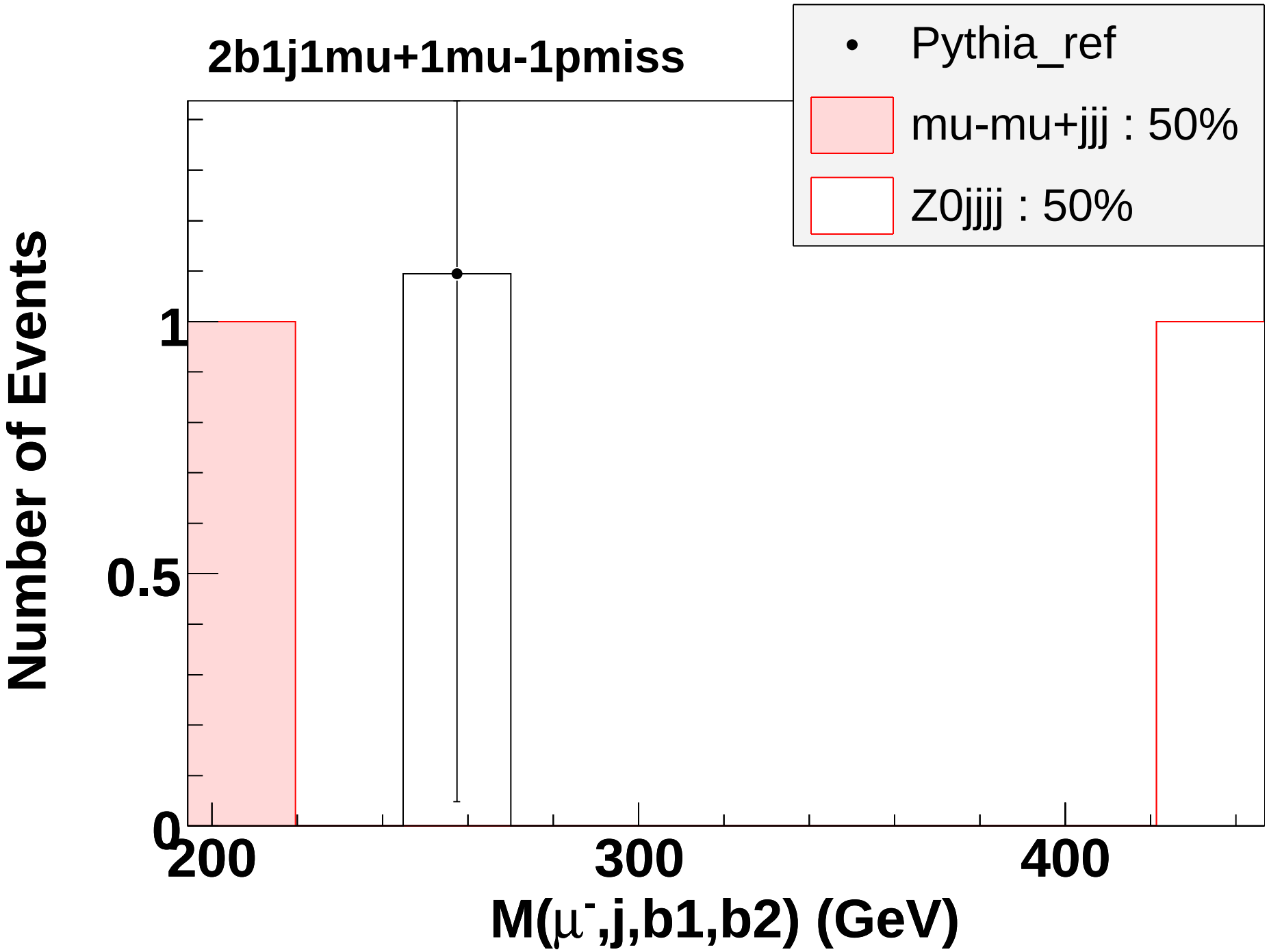

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
200
250
M(μ+,μ-,b1) (GeV)

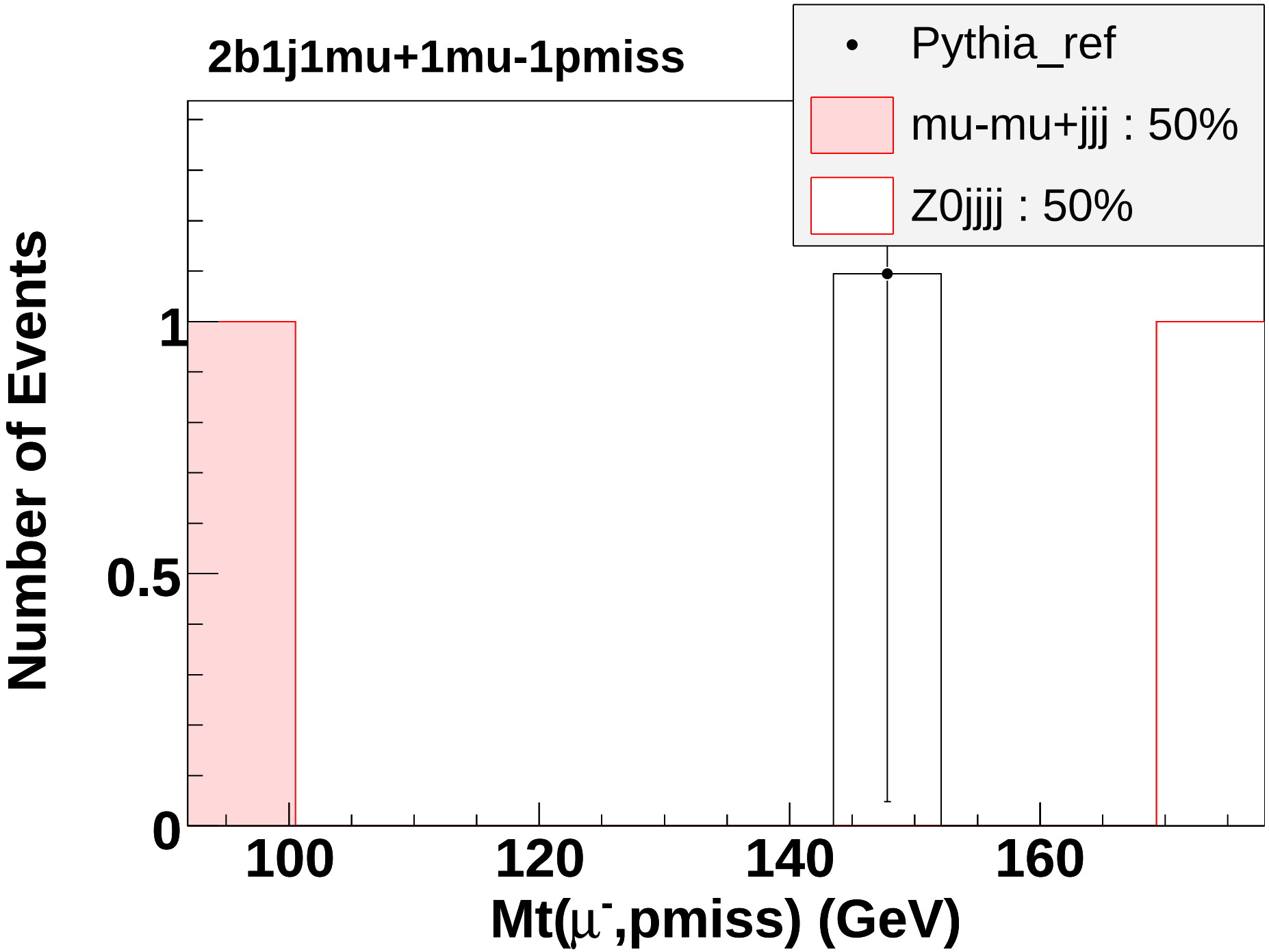

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
1
0.5
0
160
180
M(μ-,j,b1) (GeV)

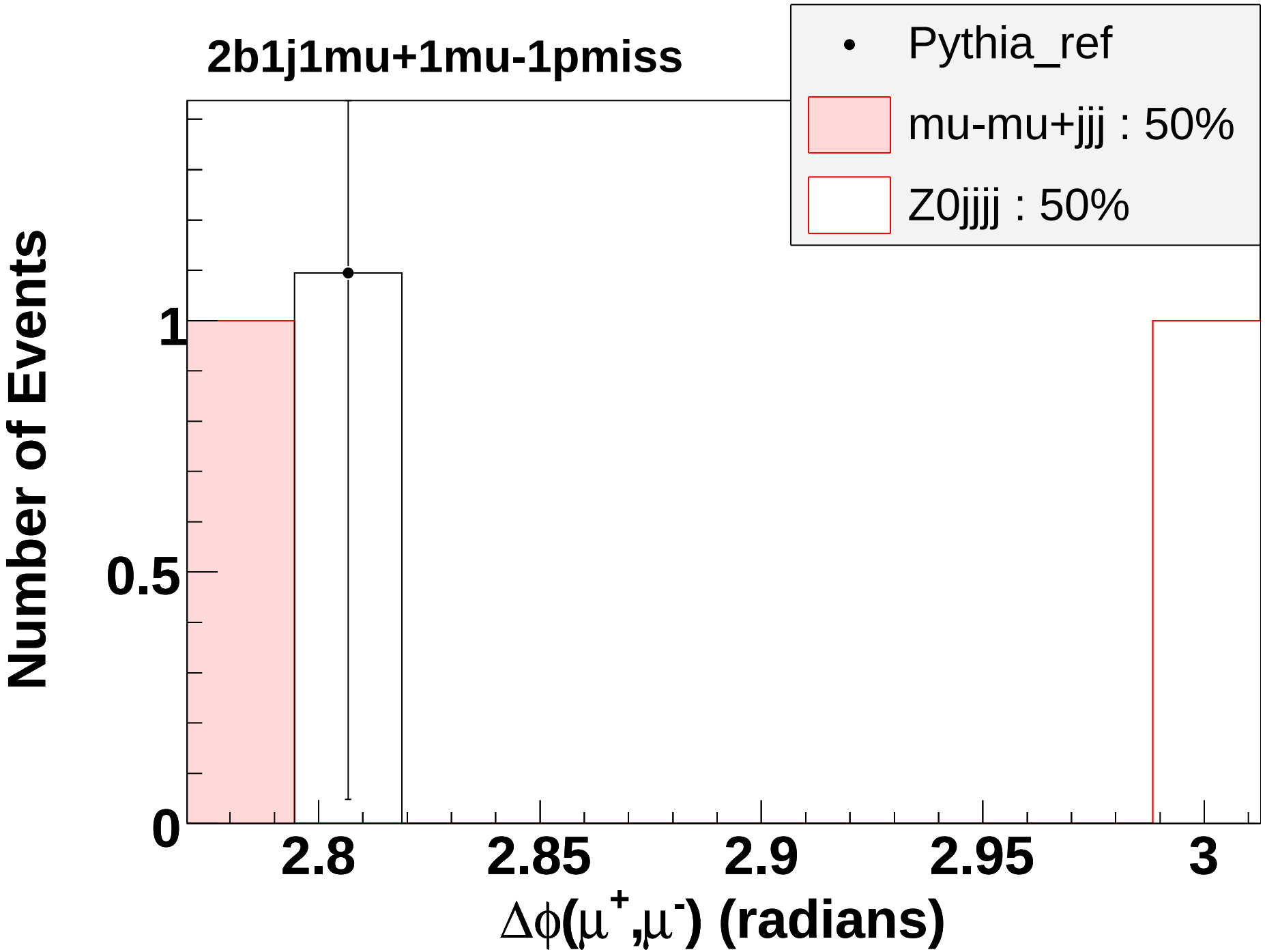

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
100
200
300
M(b1,b2) (GeV)

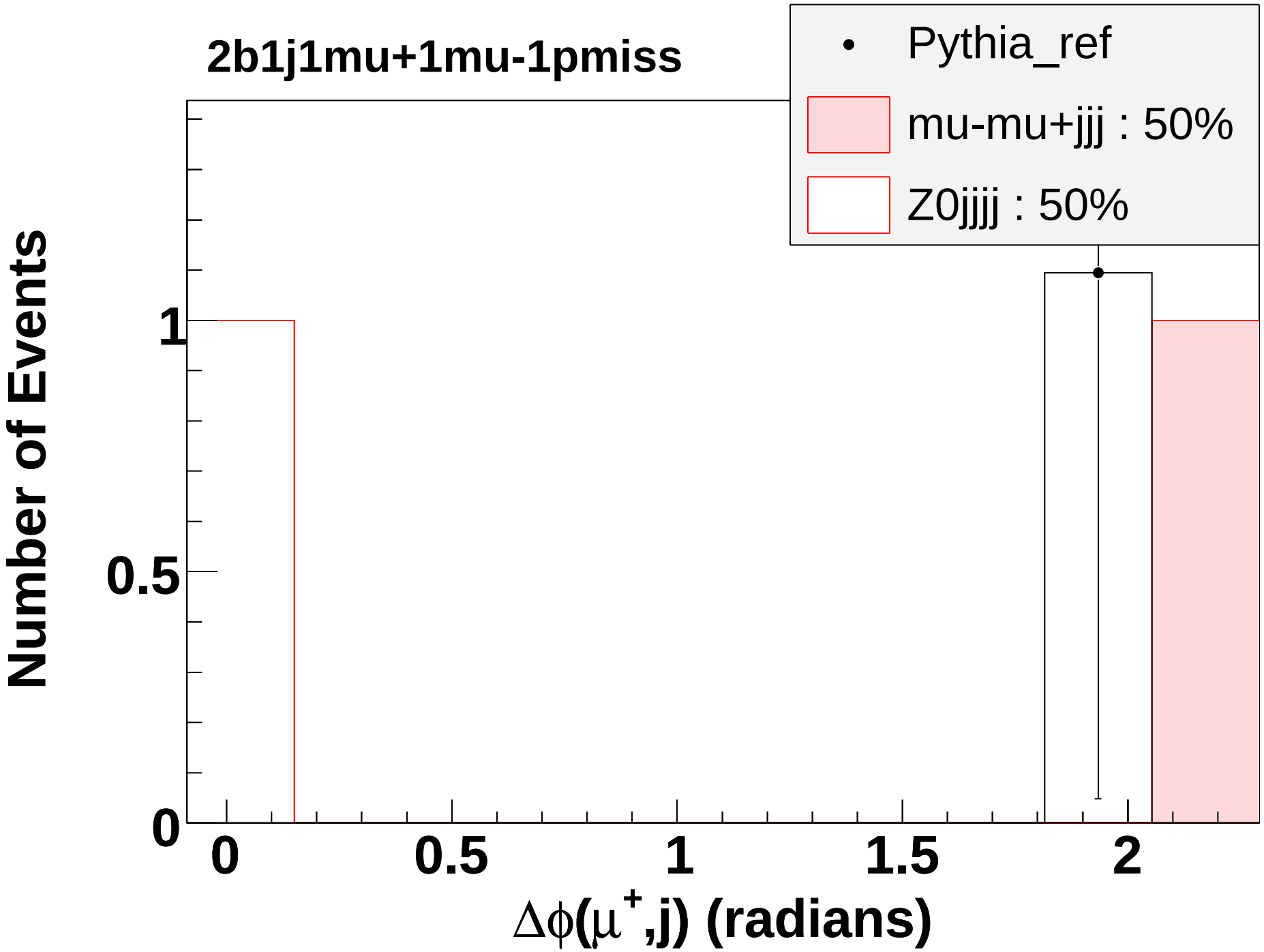

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
200
300
400
M(μ⁻,b1,b2) (GeV)

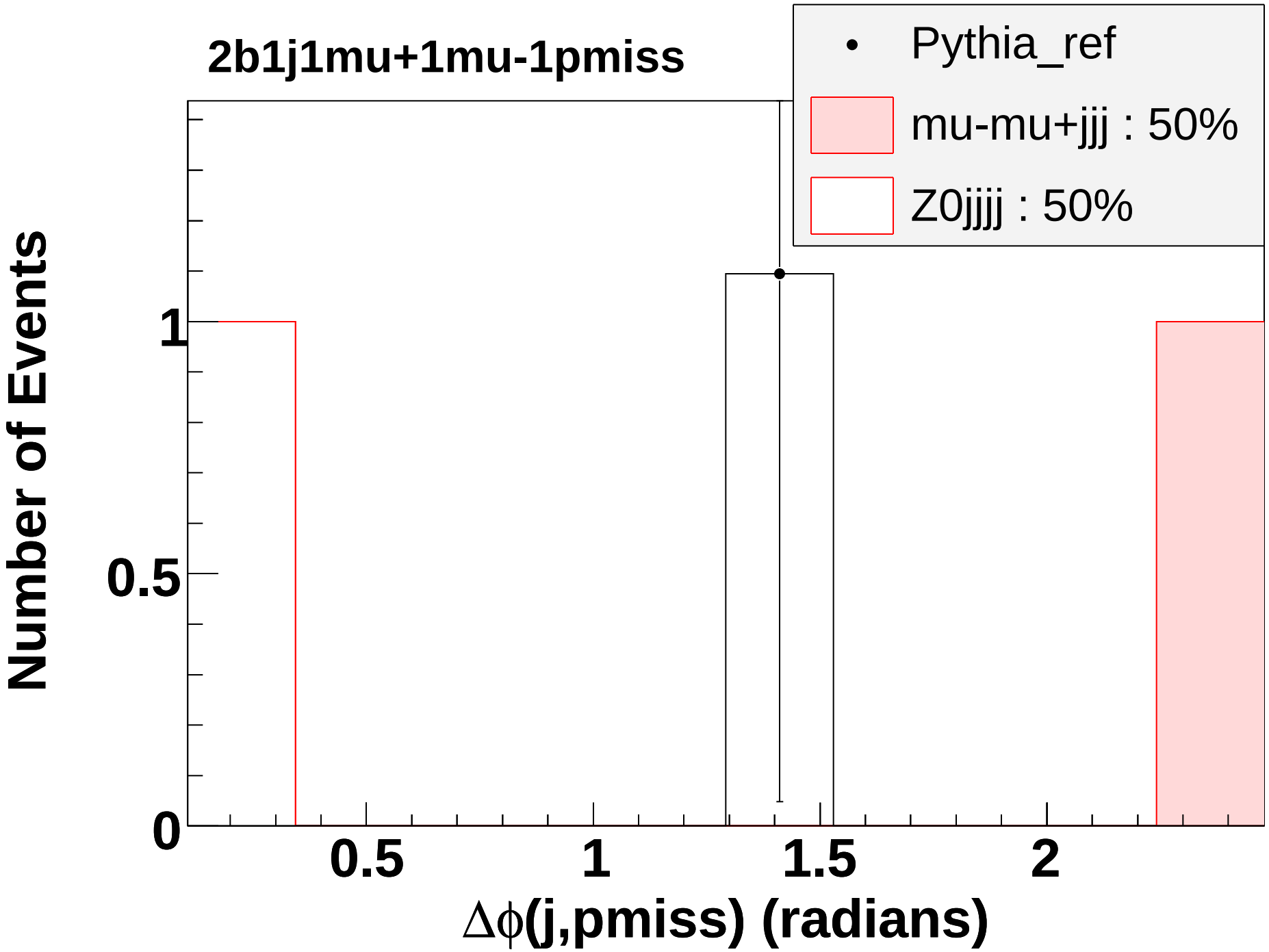

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
200
250
300
350
M(j,b1,b2) (GeV)

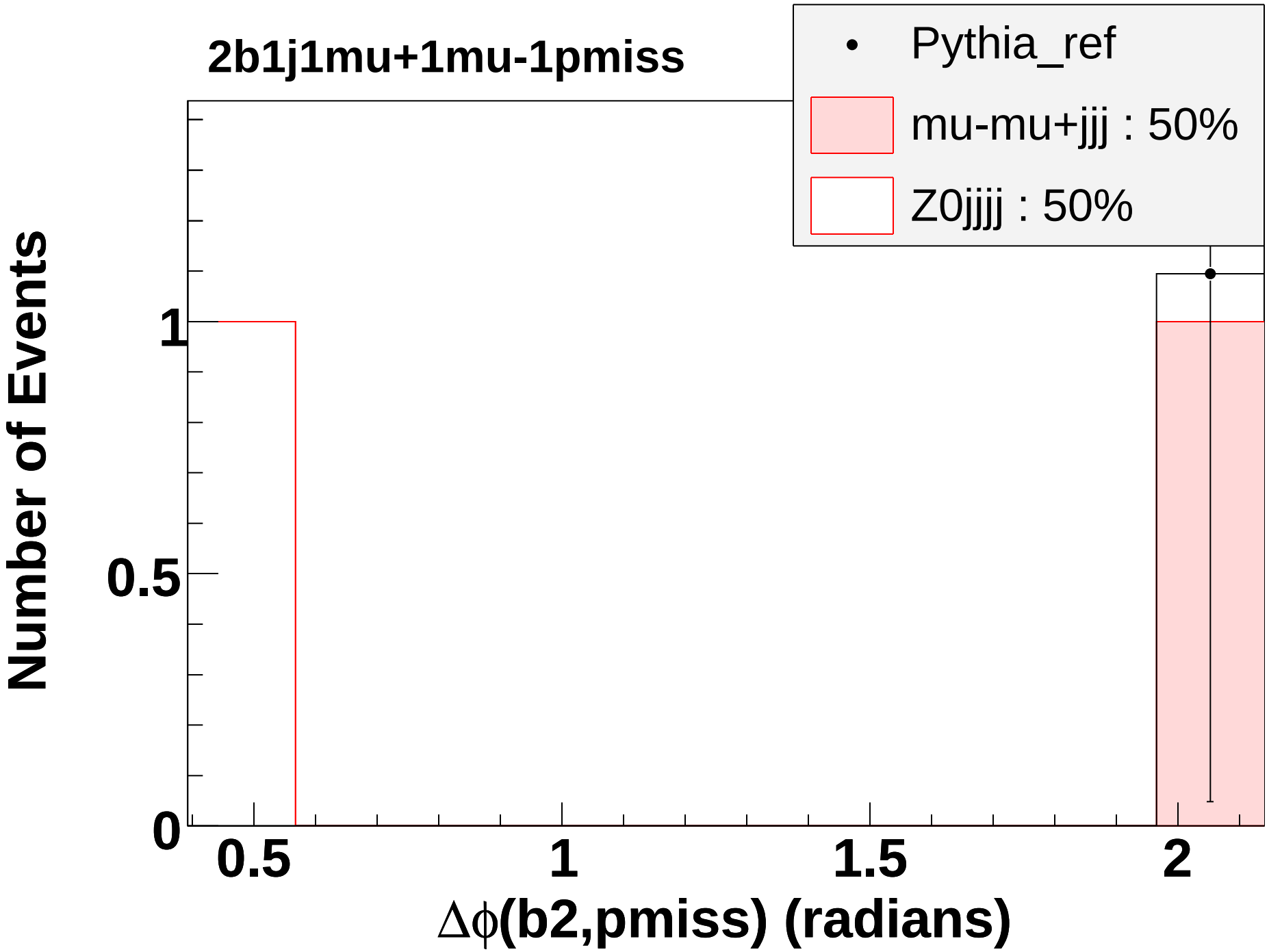

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
200
300
400
M(μ-,j,b1,b2) (GeV)

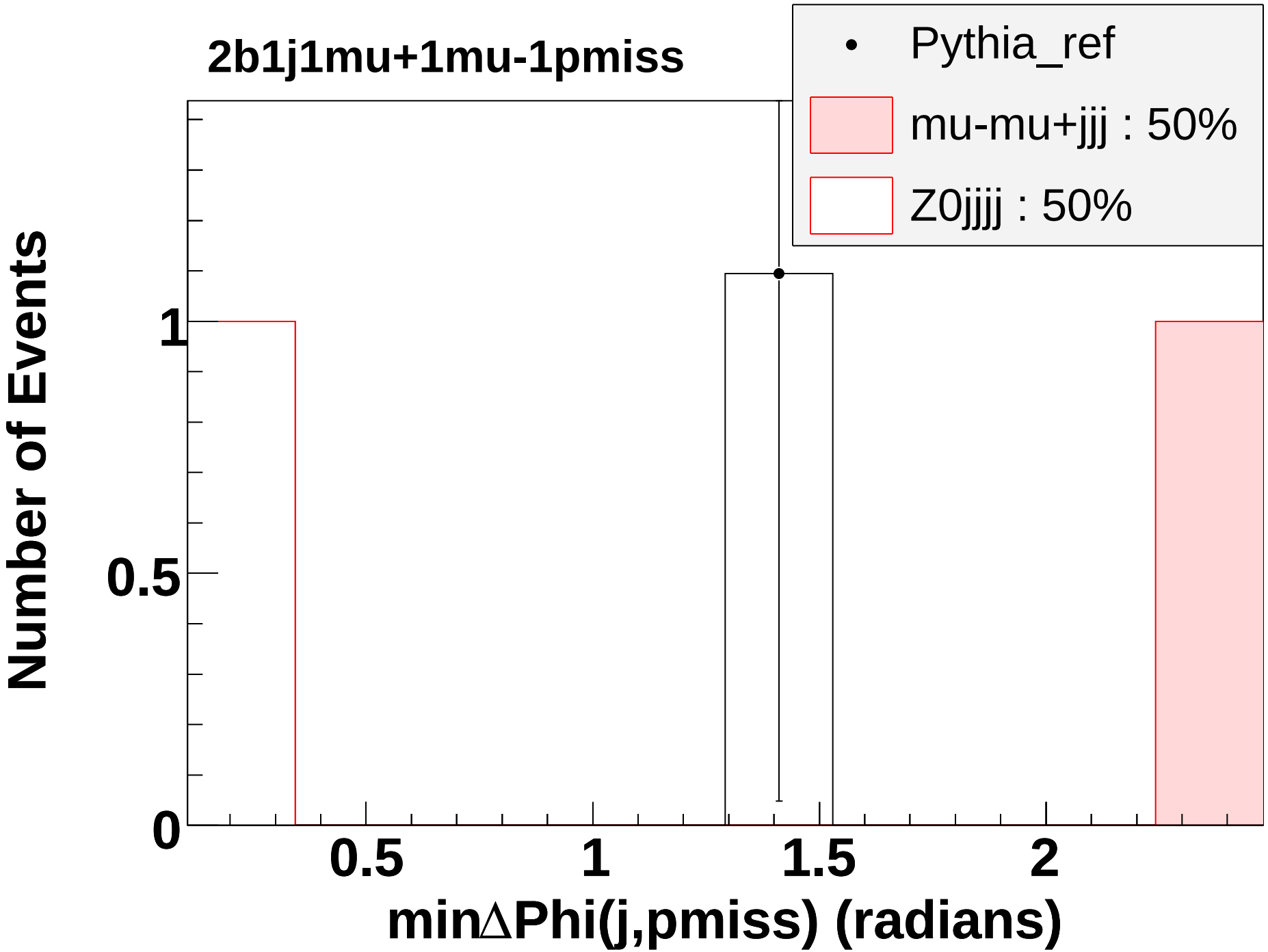

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
100
120
140
160
Mt(μ⁻,pmiss) (GeV)

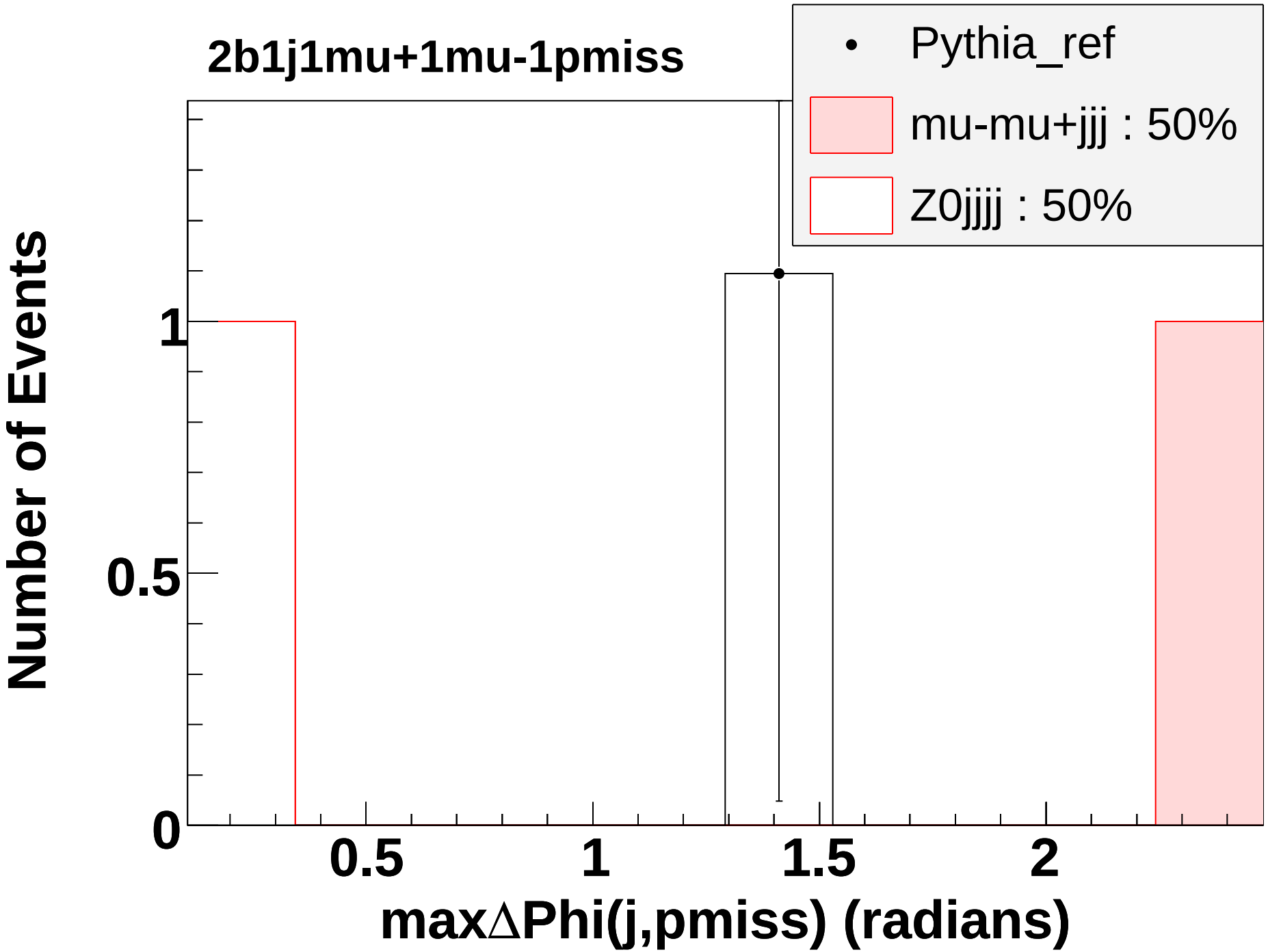

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
2.8
2.85
2.9
2.95
3
Δφ(μ+,μ-) (radians)

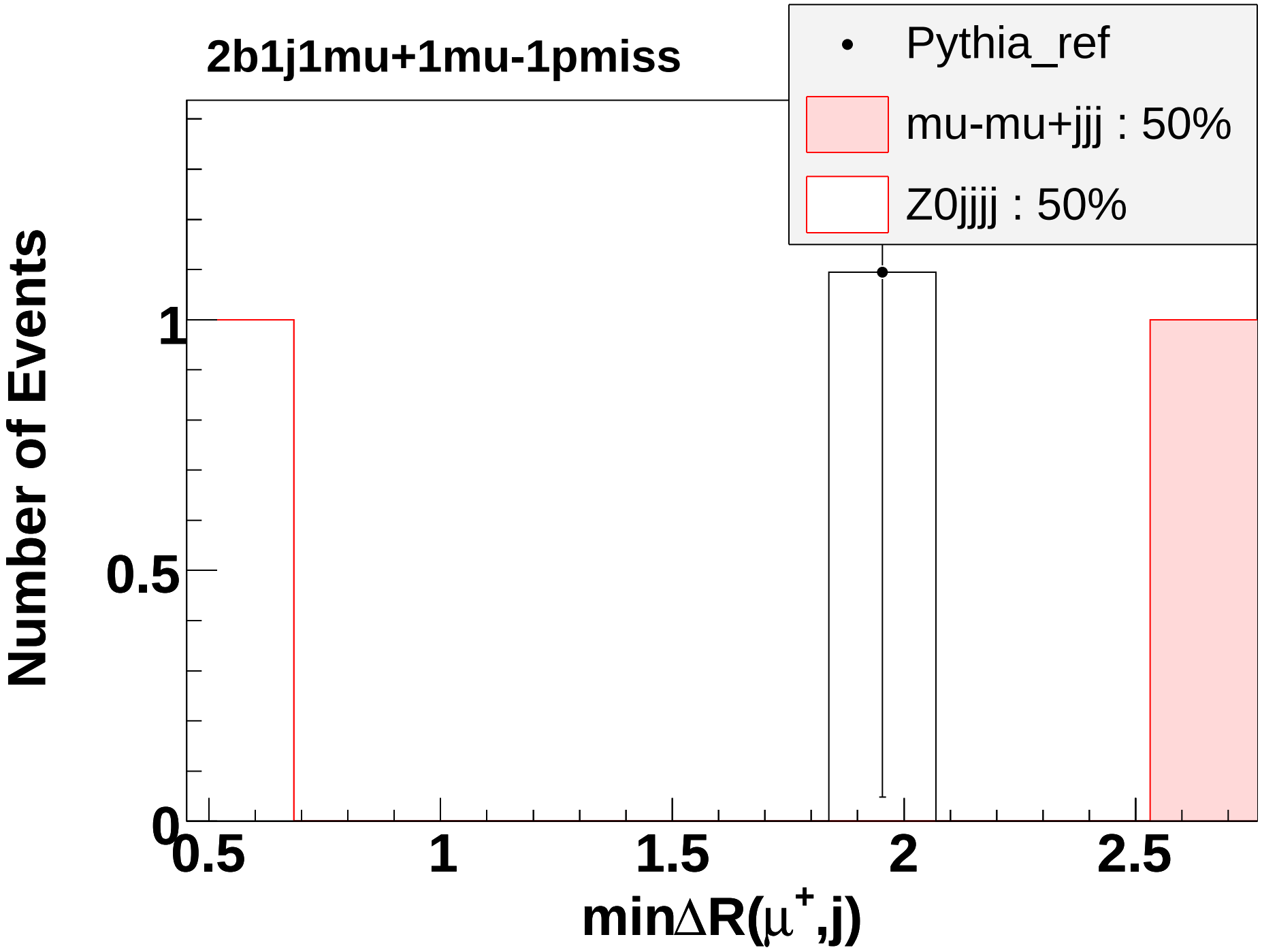

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
0
0.5
1
1.5
2
Δφ(μ+,j) (radians)

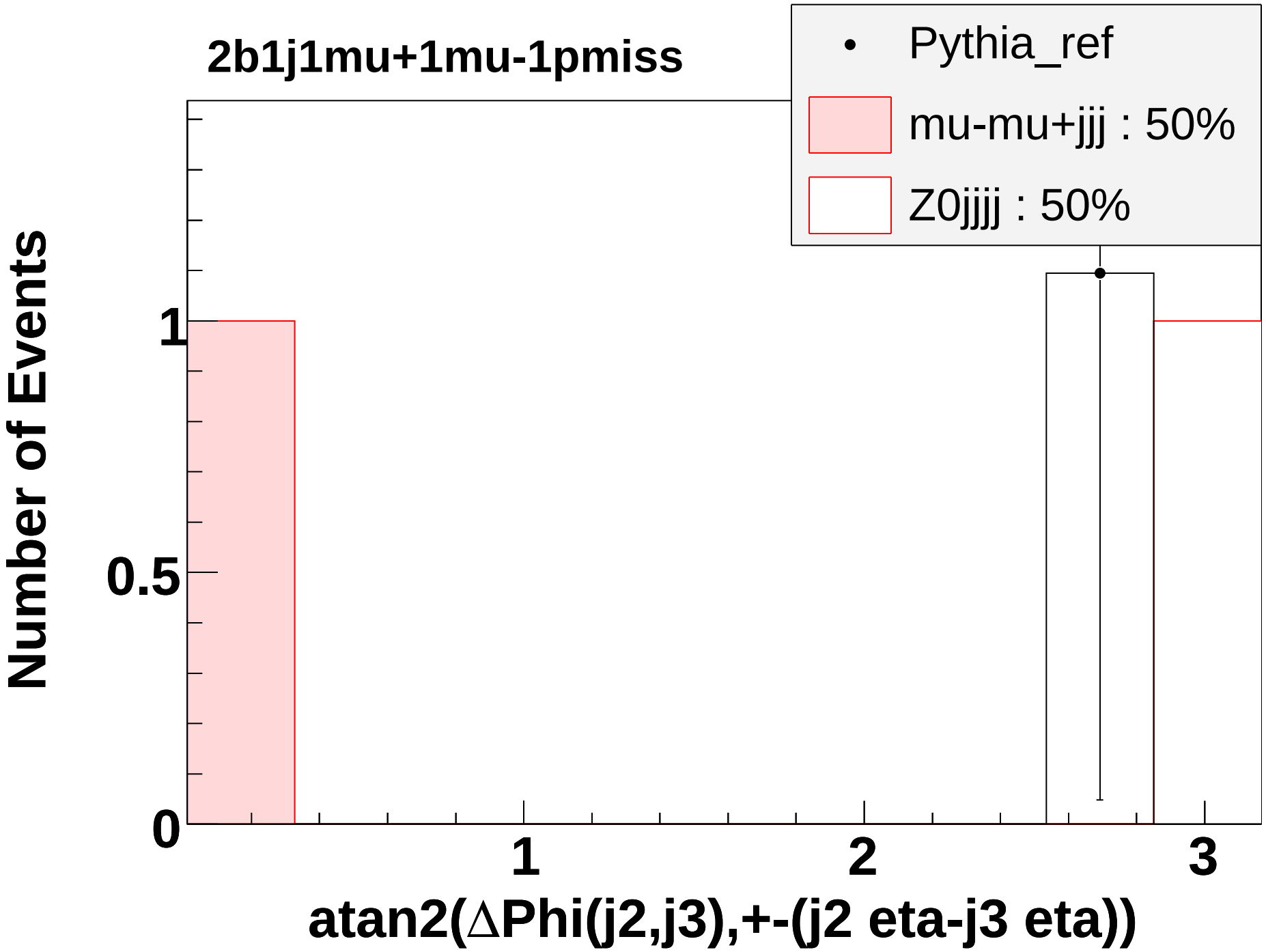

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
0.5
1
1.5
2
Δϕ(j,pmiss) (radians)

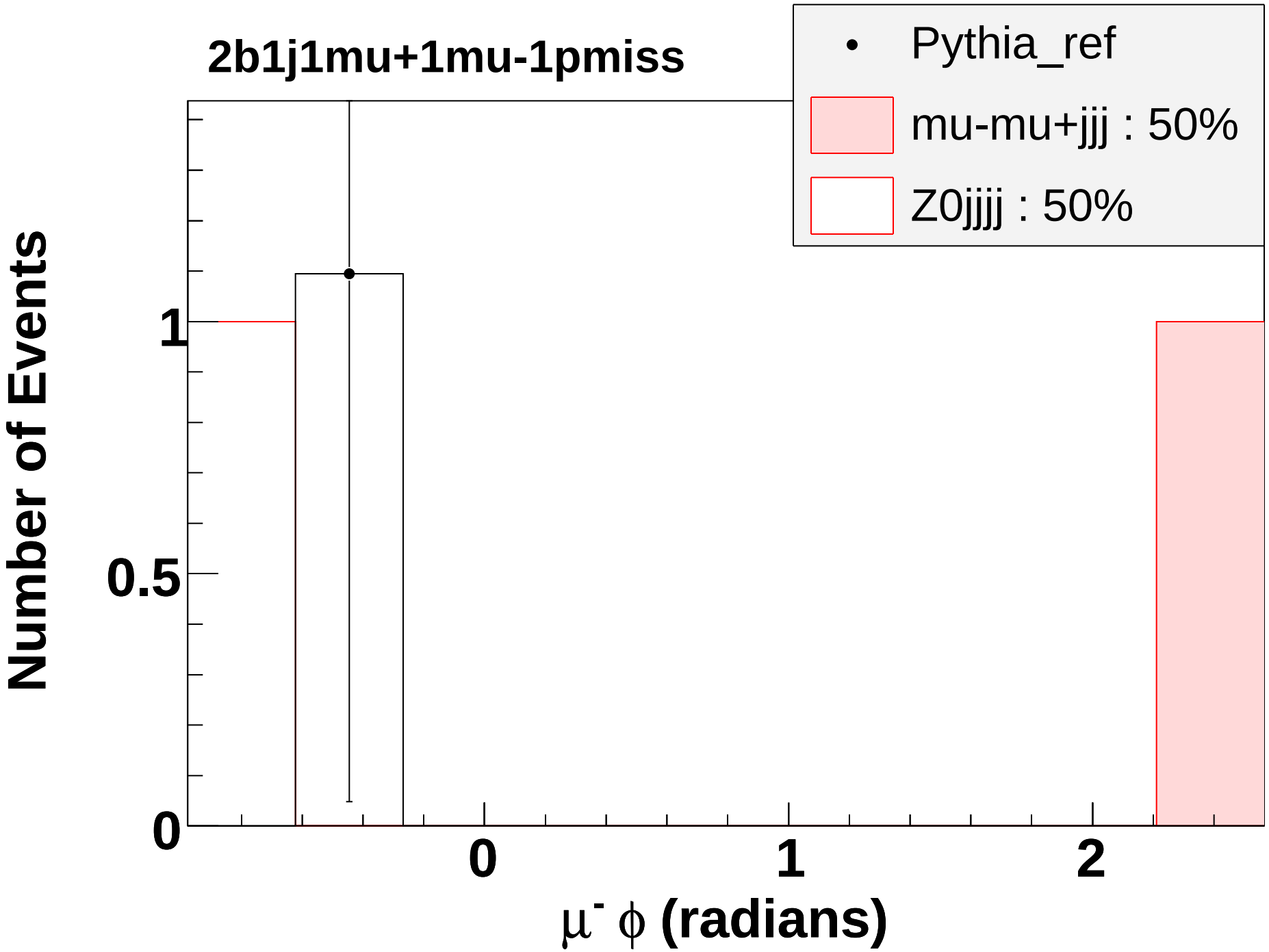

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
0.5
1
1.5
2
Δϕ(b2,pmiss) (radians)

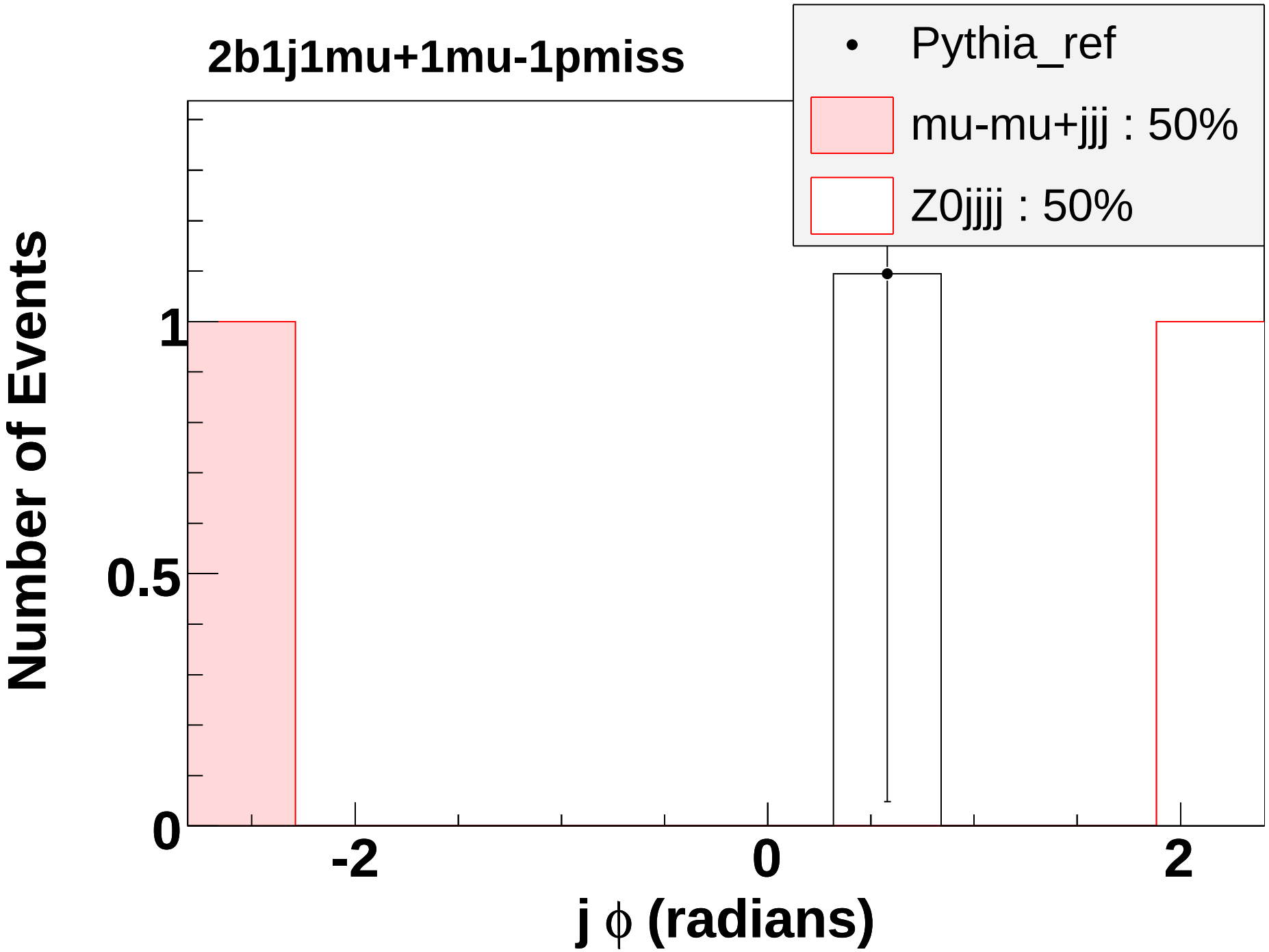

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
0.5
1
1.5
2
minΔPhi(j,pmiss) (radians)

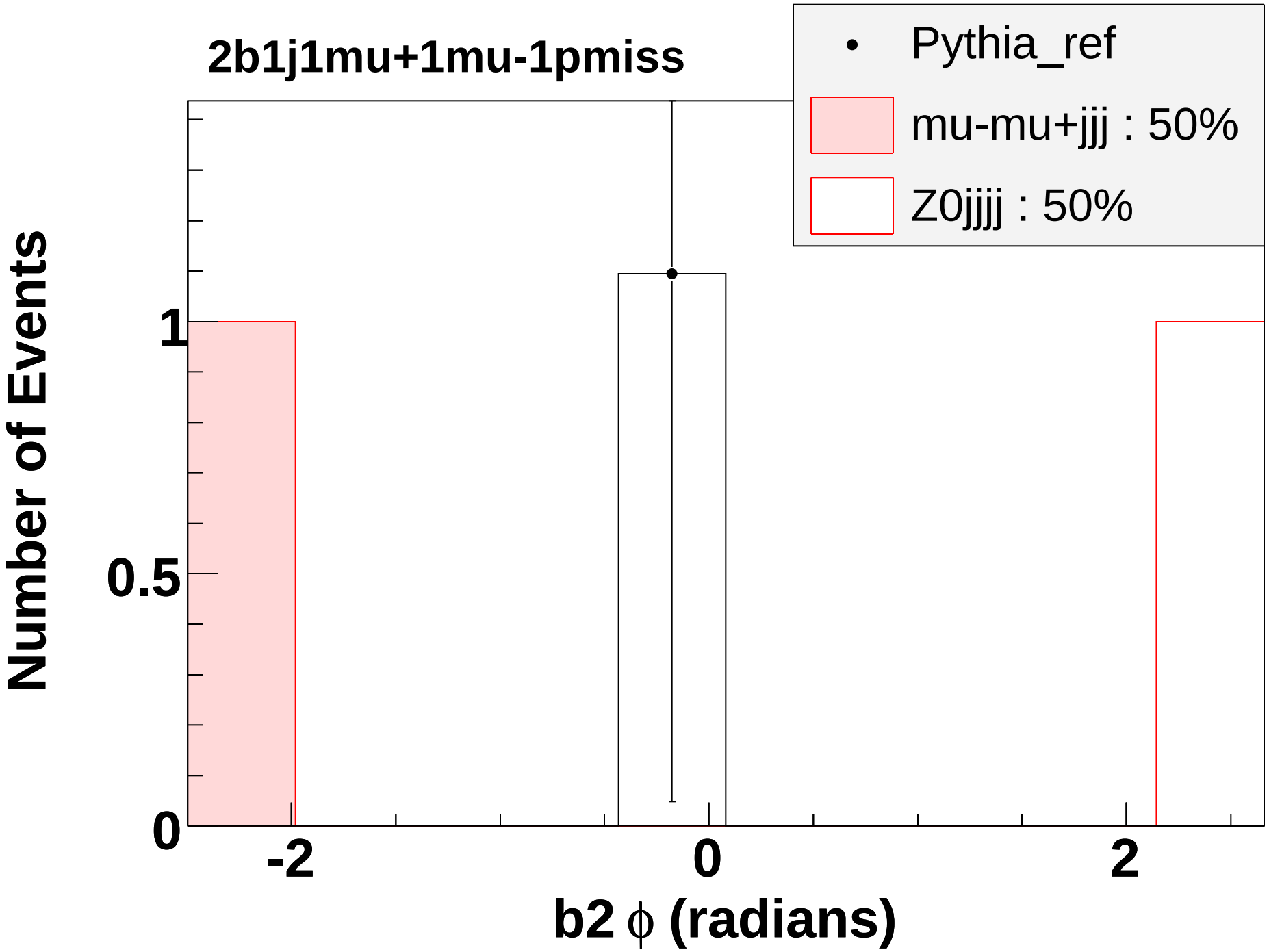

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
0.5
1
1.5
2
maxΔPhi(j,pmiss) (radians)

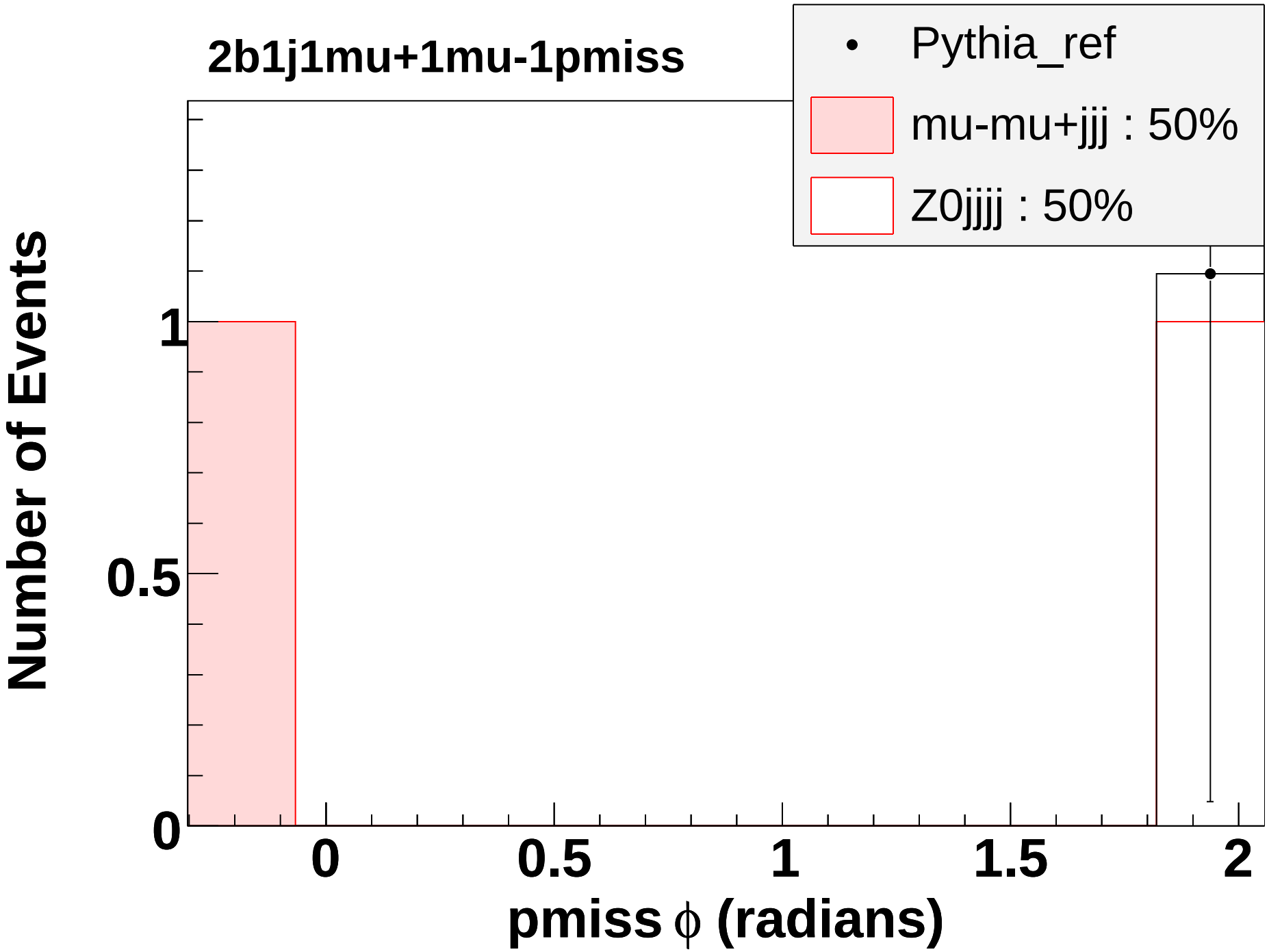

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
0.5
1
1.5
2
2.5
minΔR(μ+,j)

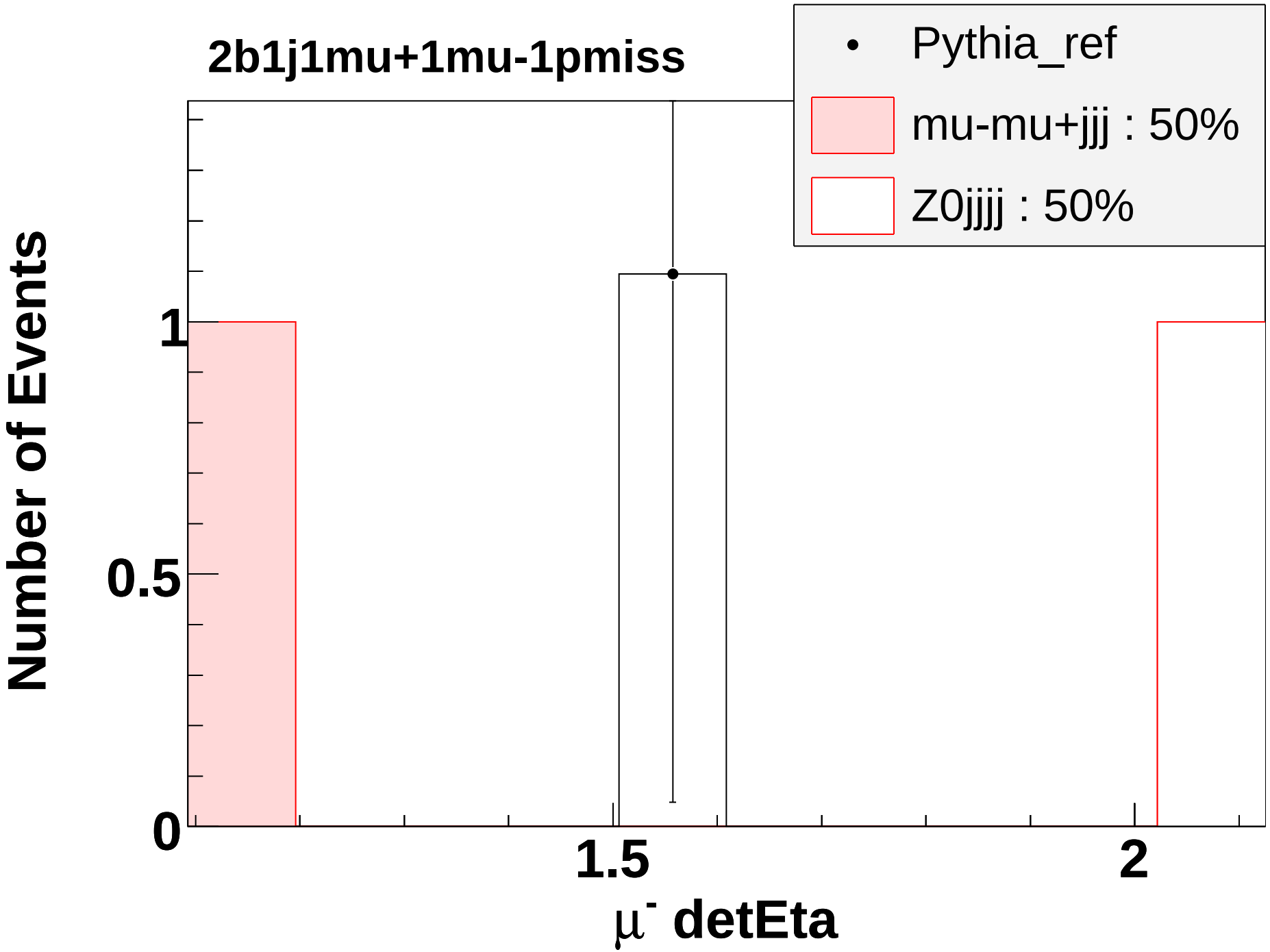

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
1
2
3
atan2(ΔPhi(j2,j3),+-(j2 eta-j3 eta))

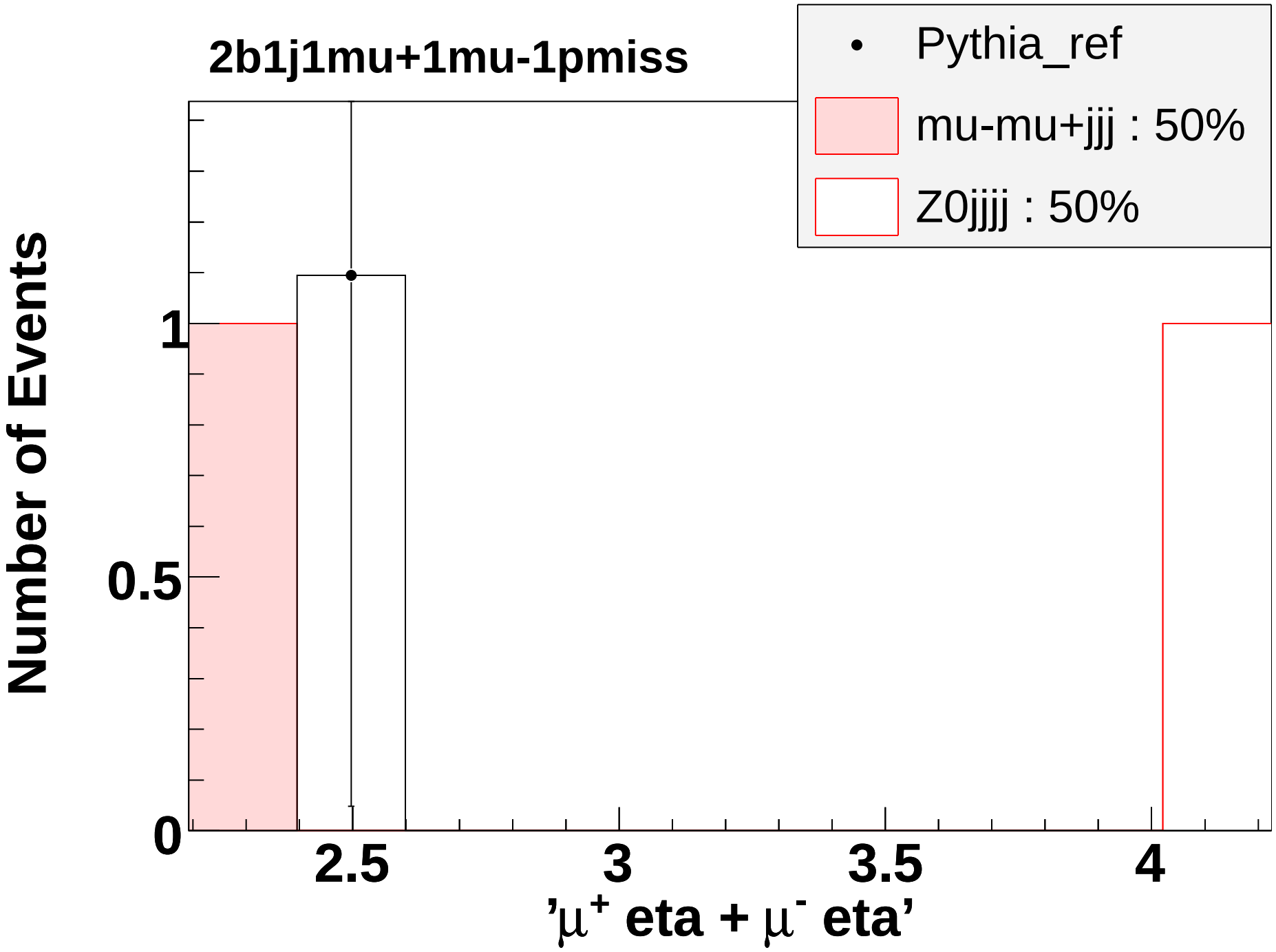

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
0
1
2
μ⁻ φ (radians)

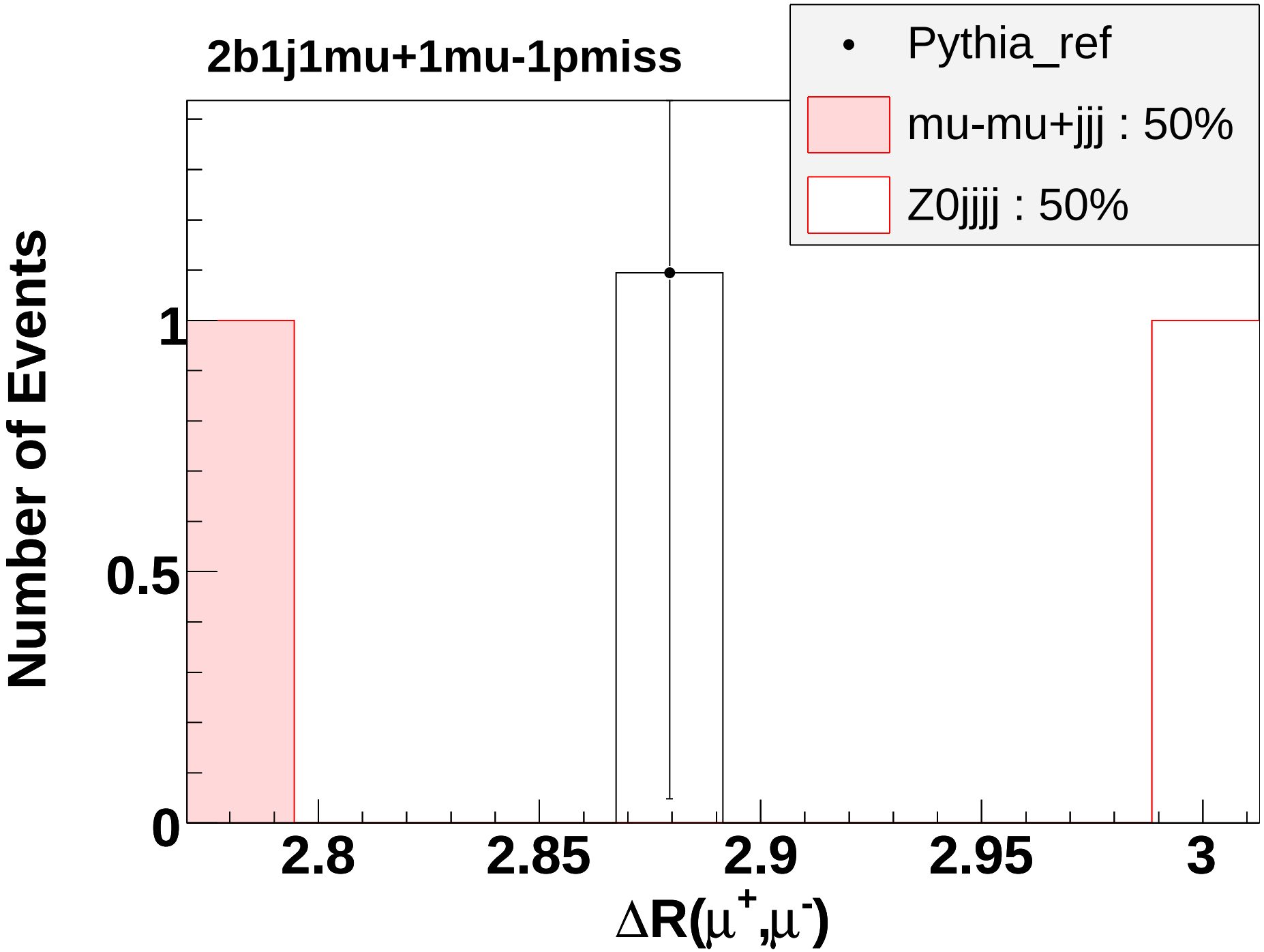

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
-2
0
2
j ϕ (radians)

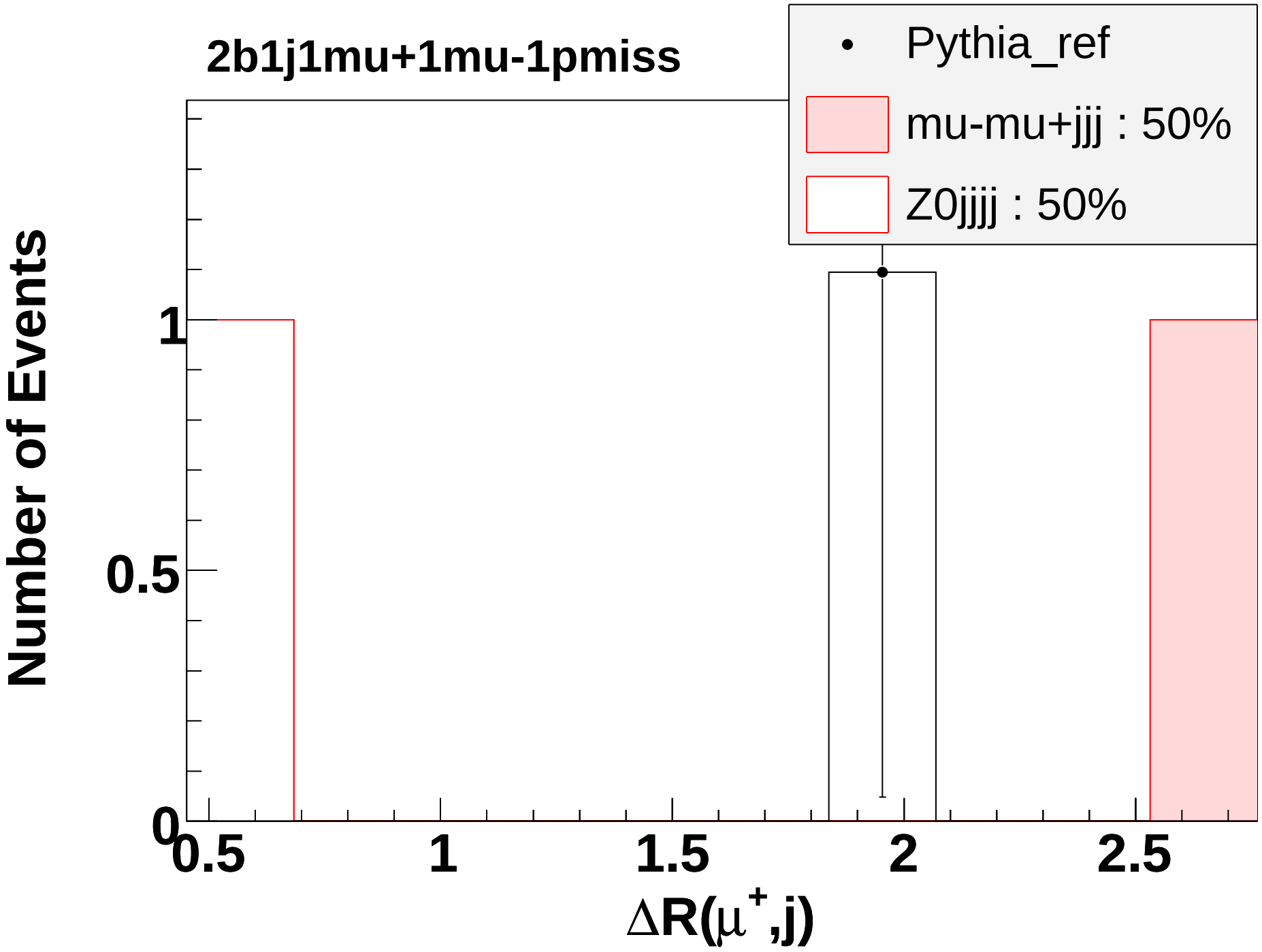

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
-2
0
2
b2 ϕ (radians)

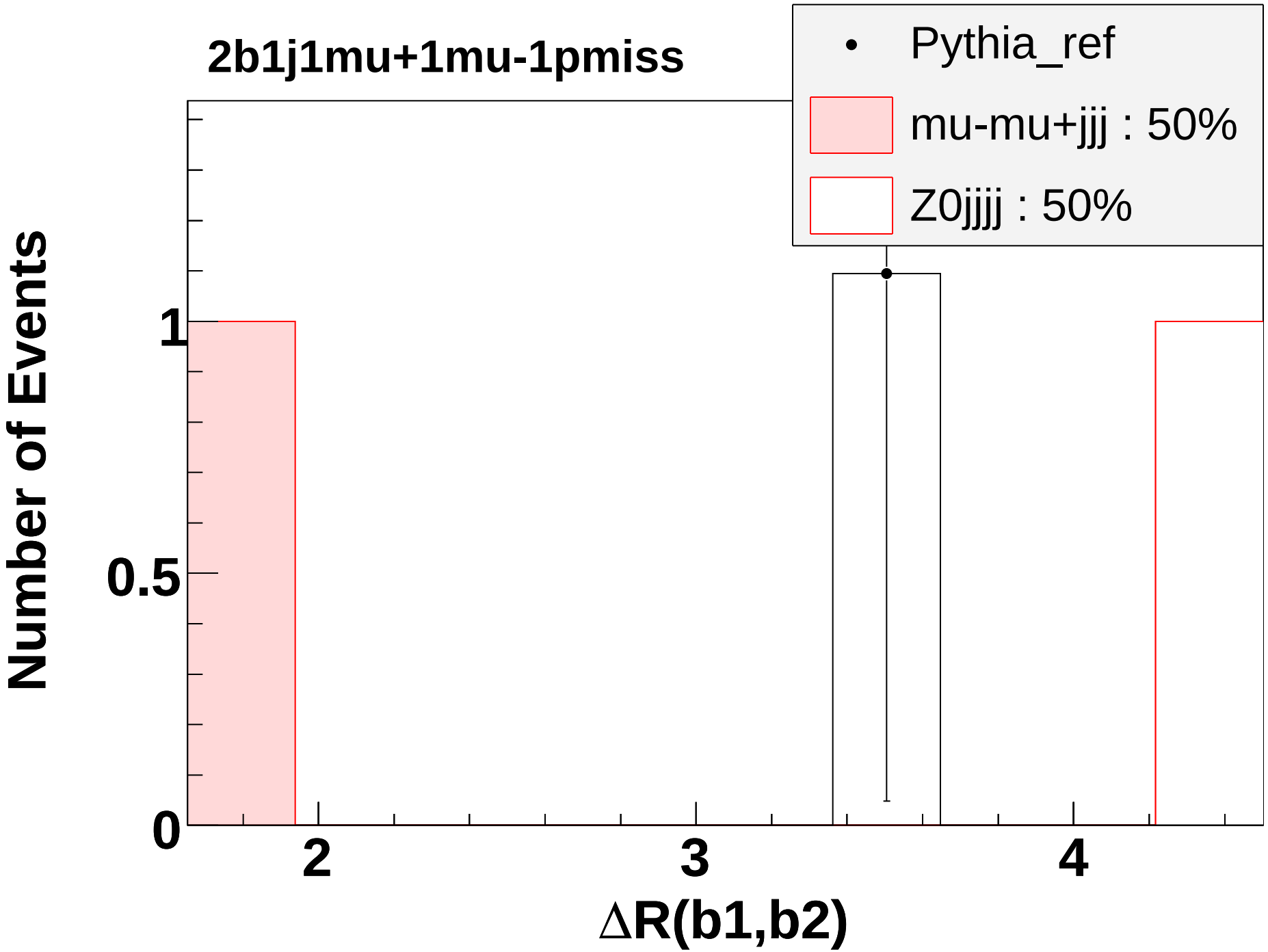

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
0
0.5
1
1.5
2
pmiss ϕ (radians)

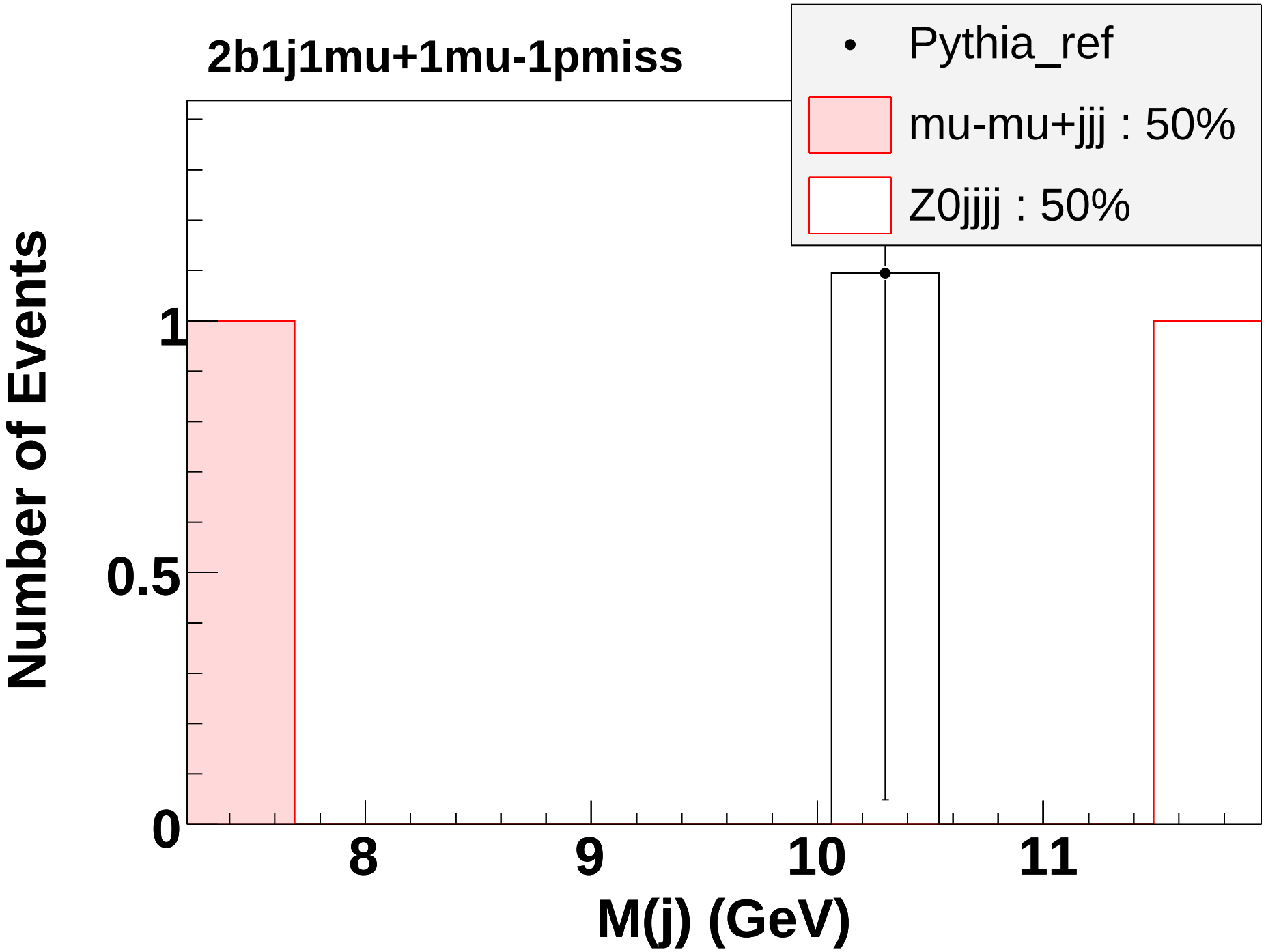

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
1.5
2
μ⁻ detEta

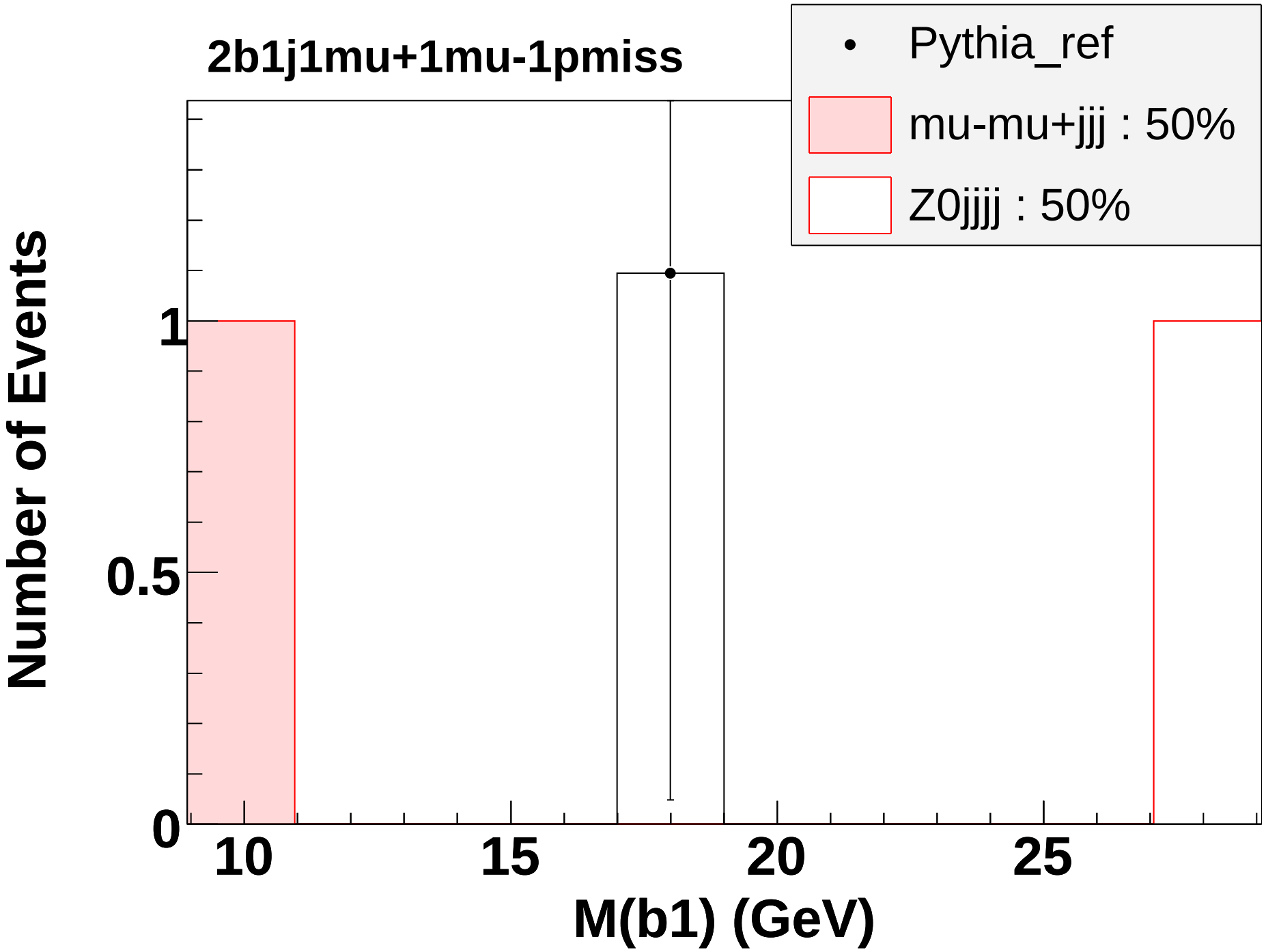

2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
2.5
3
3.5
4
'μ+ eta + μ- eta'


2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
2.8
2.85
2.9
2.95
3
ΔR(μ+,μ-)


2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
0.5
1
1.5
2
2.5
ΔR(μ+,j)


2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
2
3
4
ΔR(b1,b2)


2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
8
9
10
11
M(j) (GeV)


2b1j1mu+1mu-1pmiss
Pythia_ref
mu-mu+jjj : 50%
Z0jjjj : 50%
Number of Events
0
0.5
1
10
15
20
25
M(b1) (GeV)