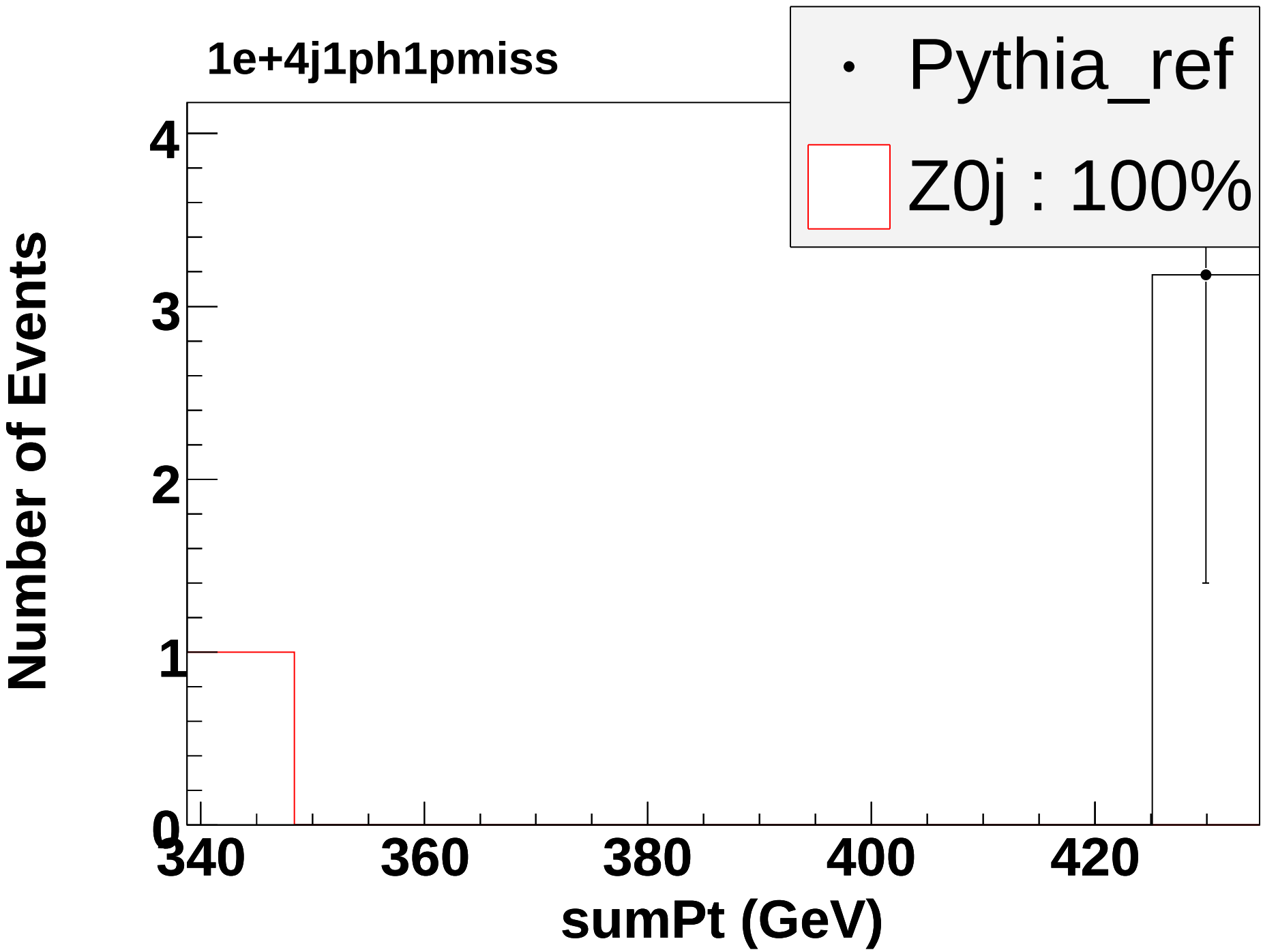
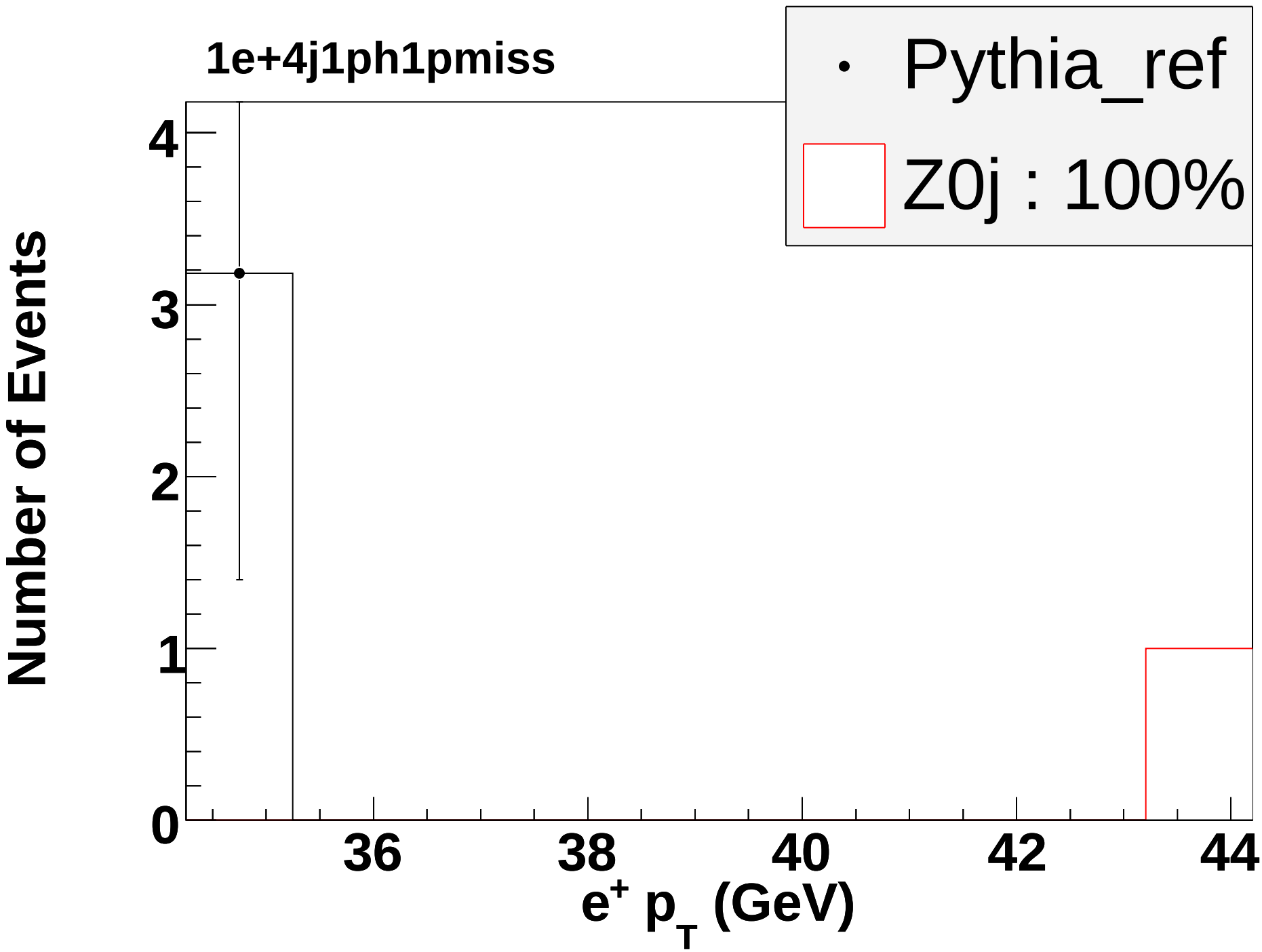
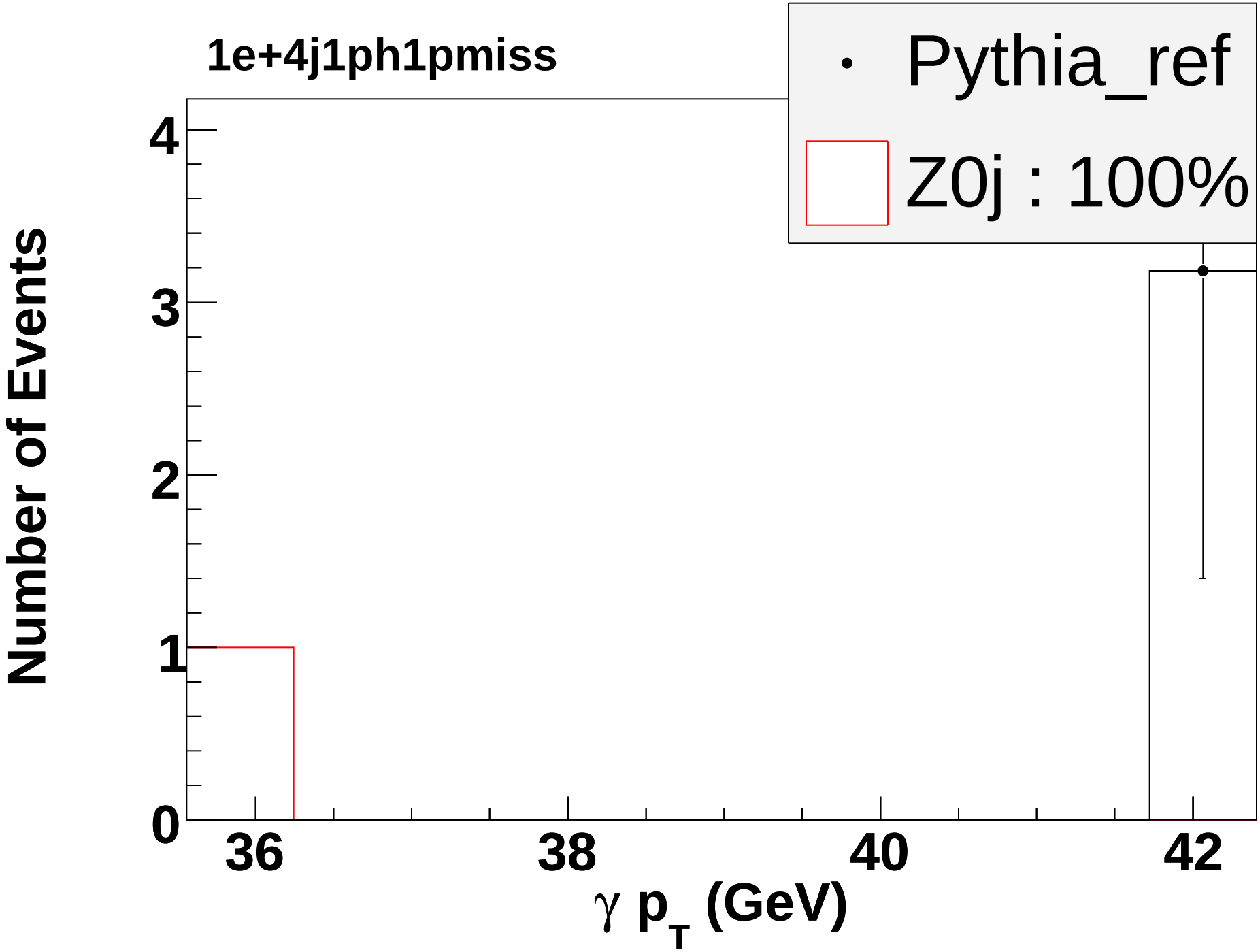
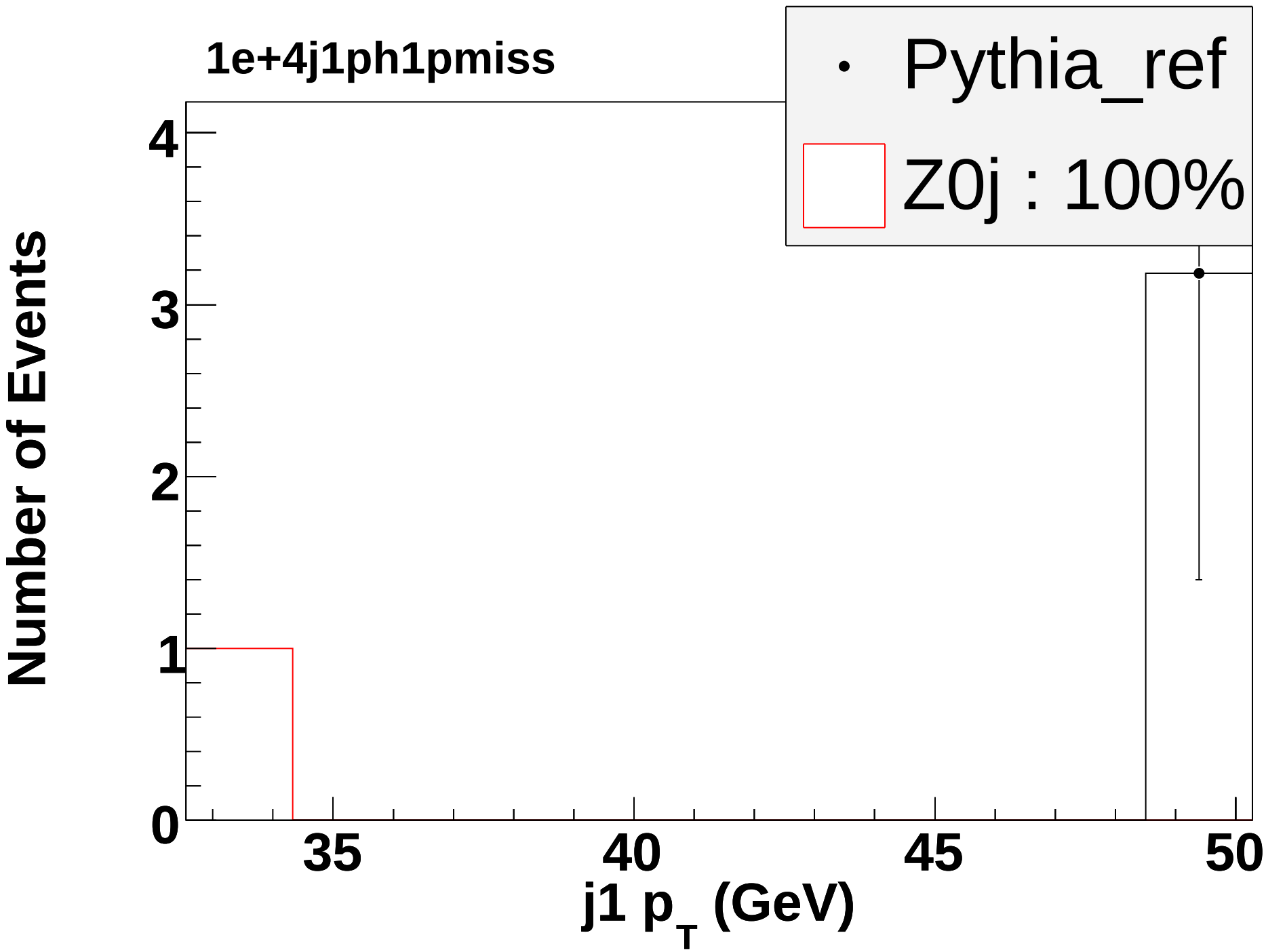
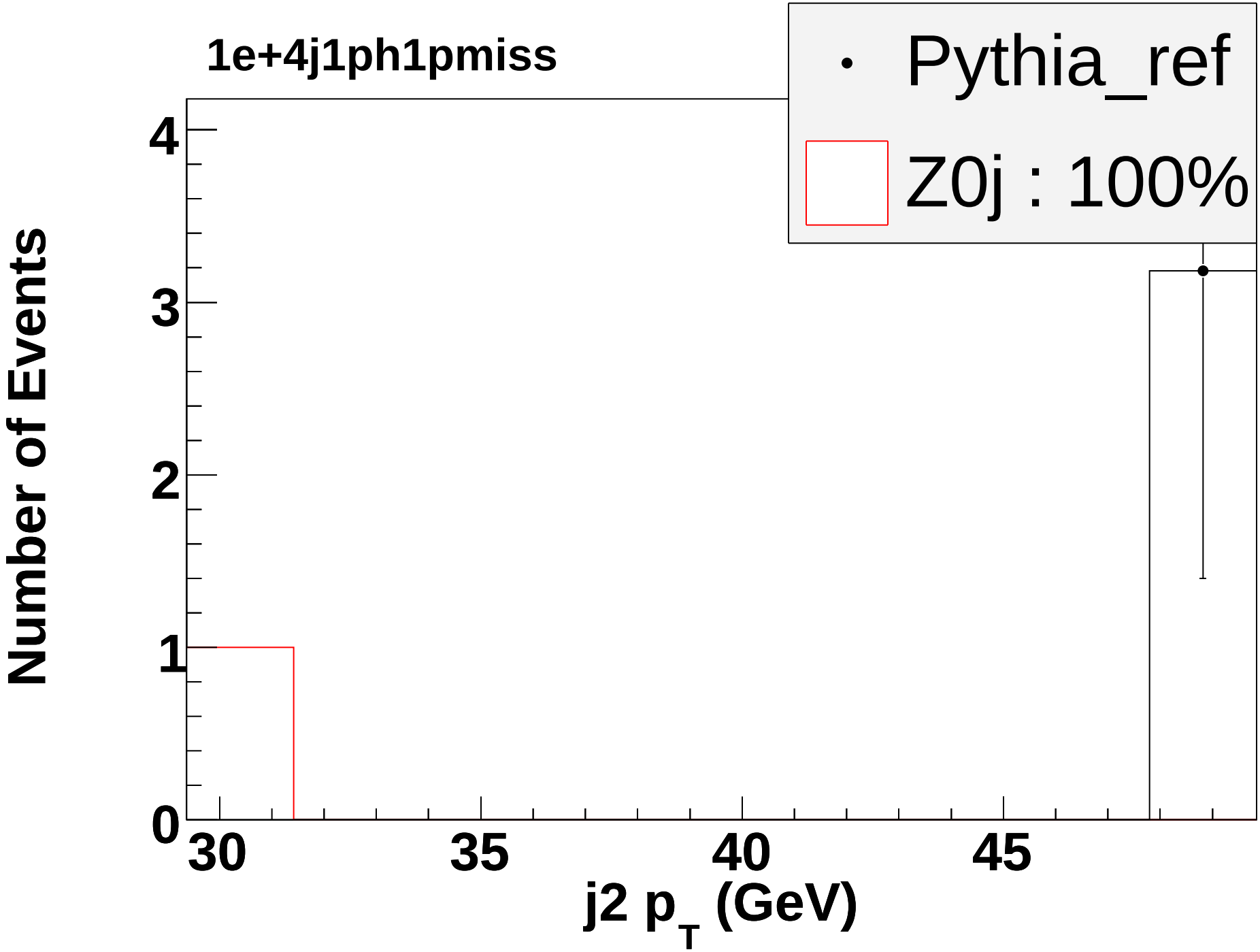
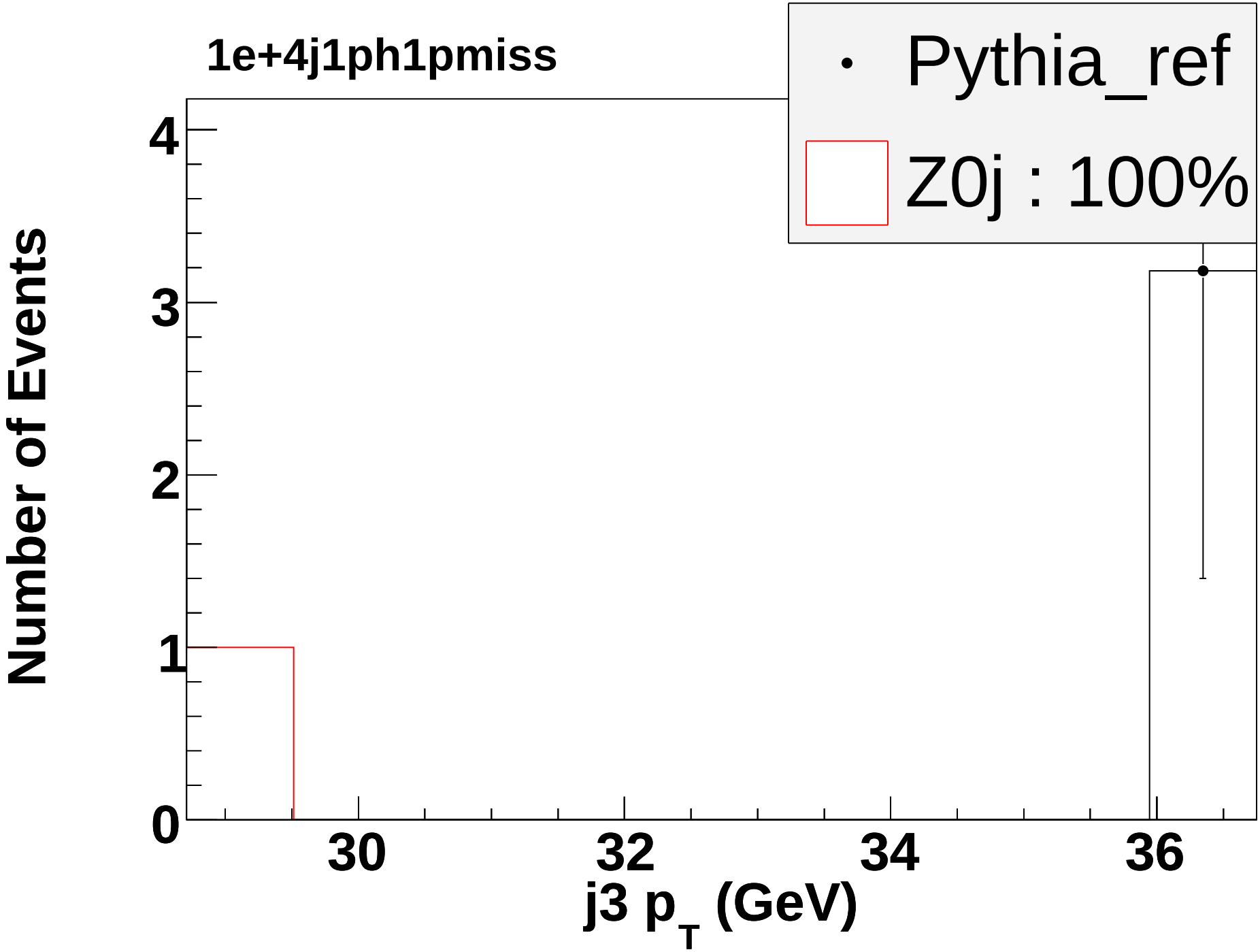

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
340
360
380
400
420
sumPt (GeV)

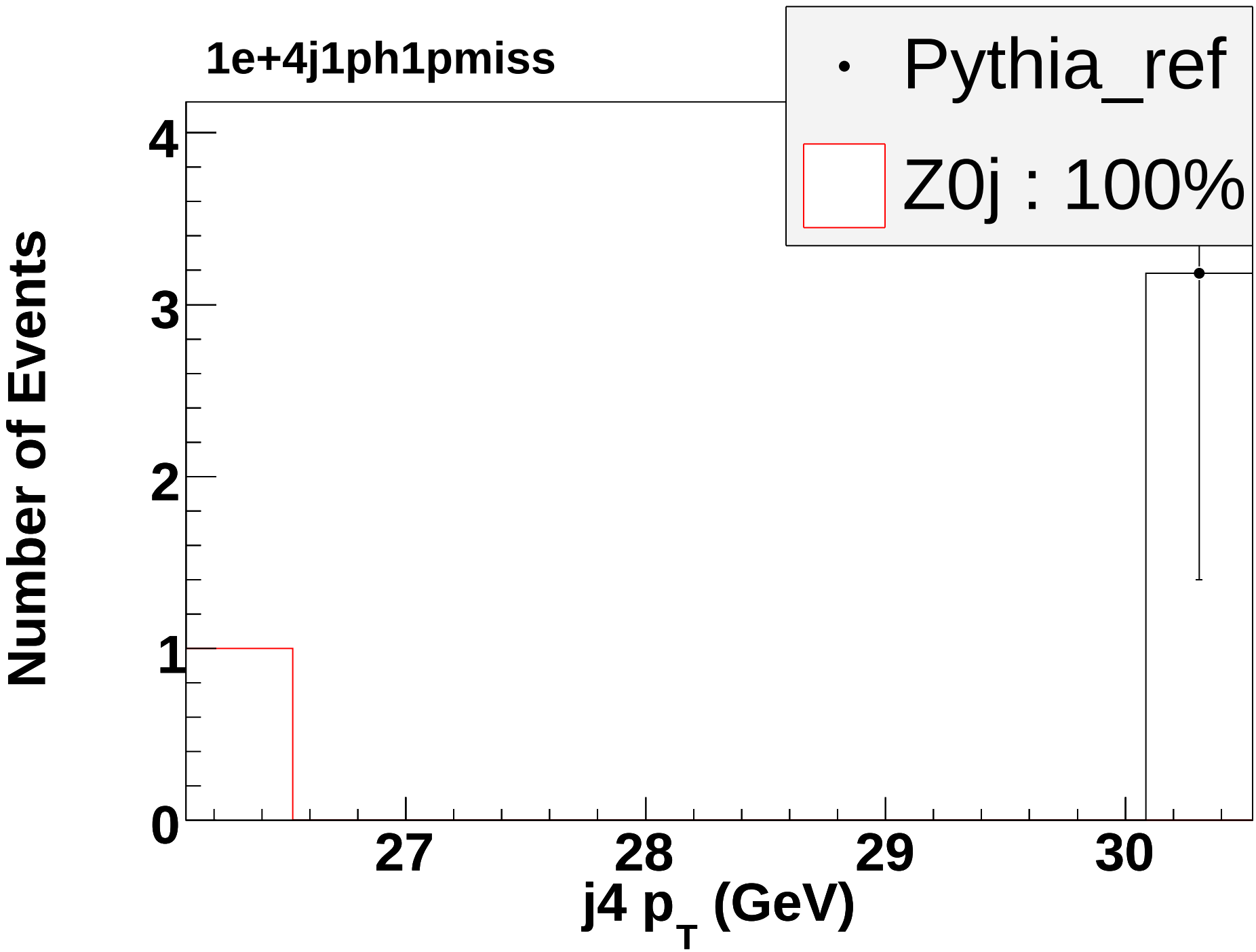

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
36
38
40
42
44
e+ pT (GeV)

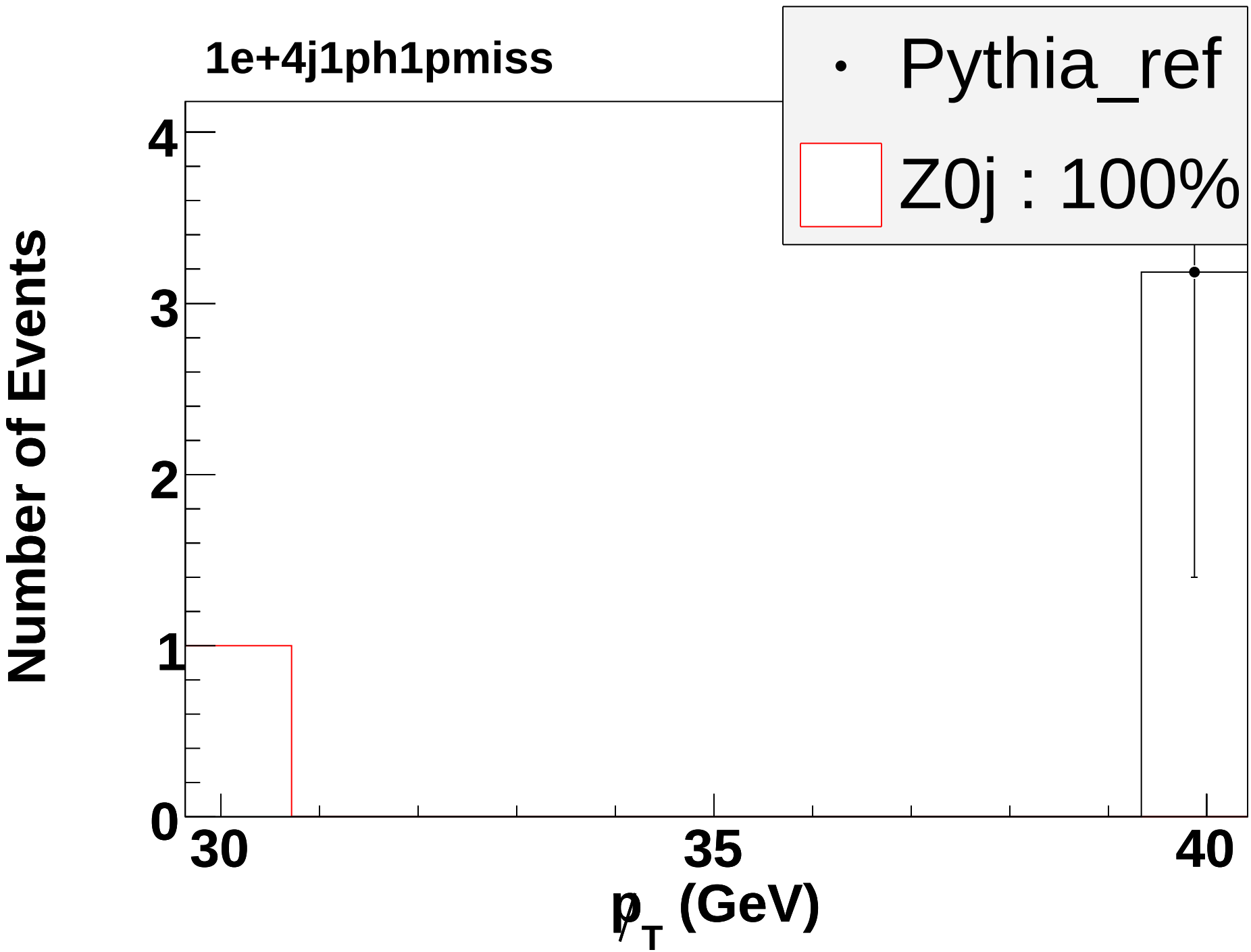

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
36
38
40
42
γ p_T (GeV)

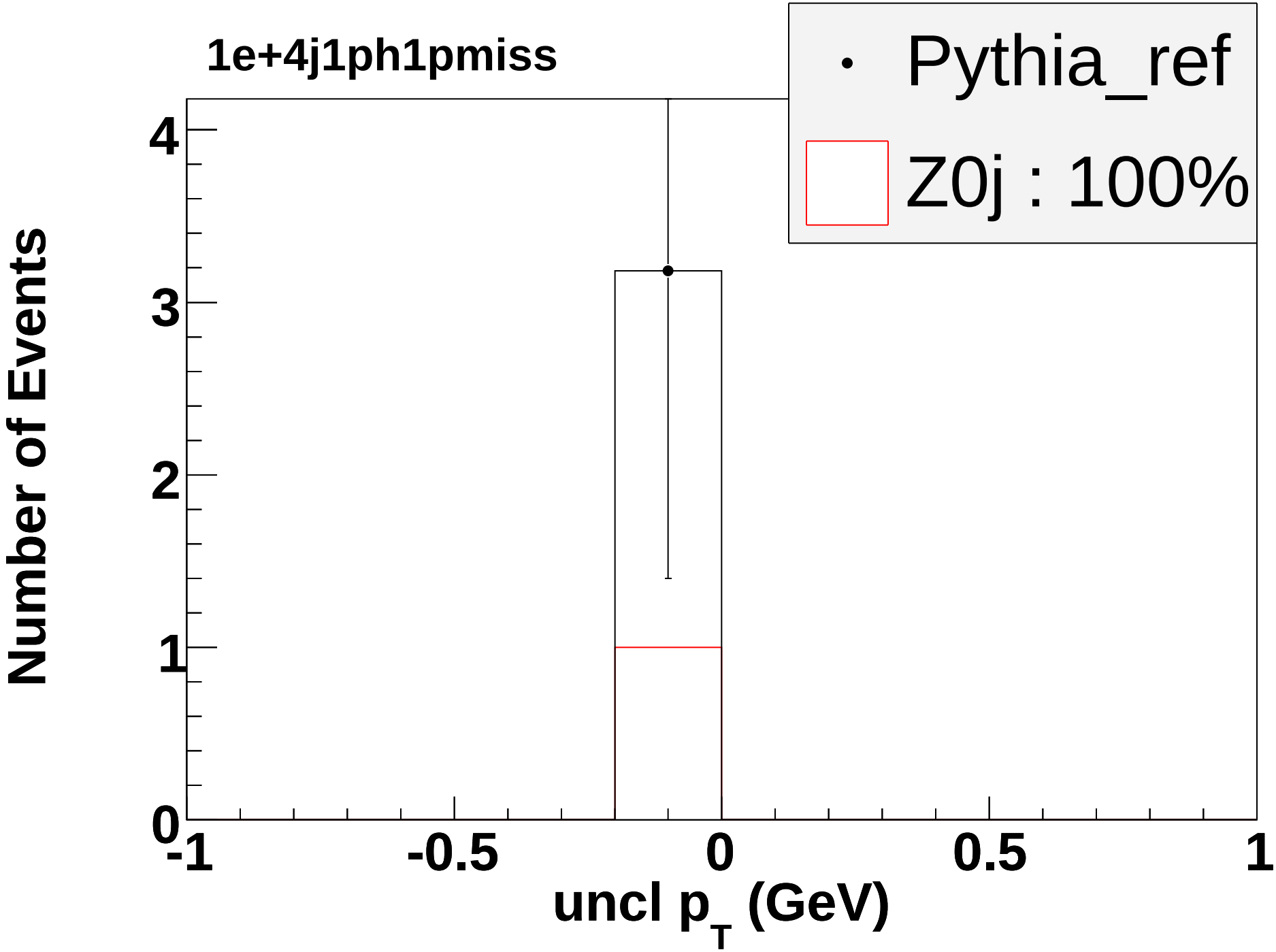

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
35
40
45
50
j1 p_T (GeV)

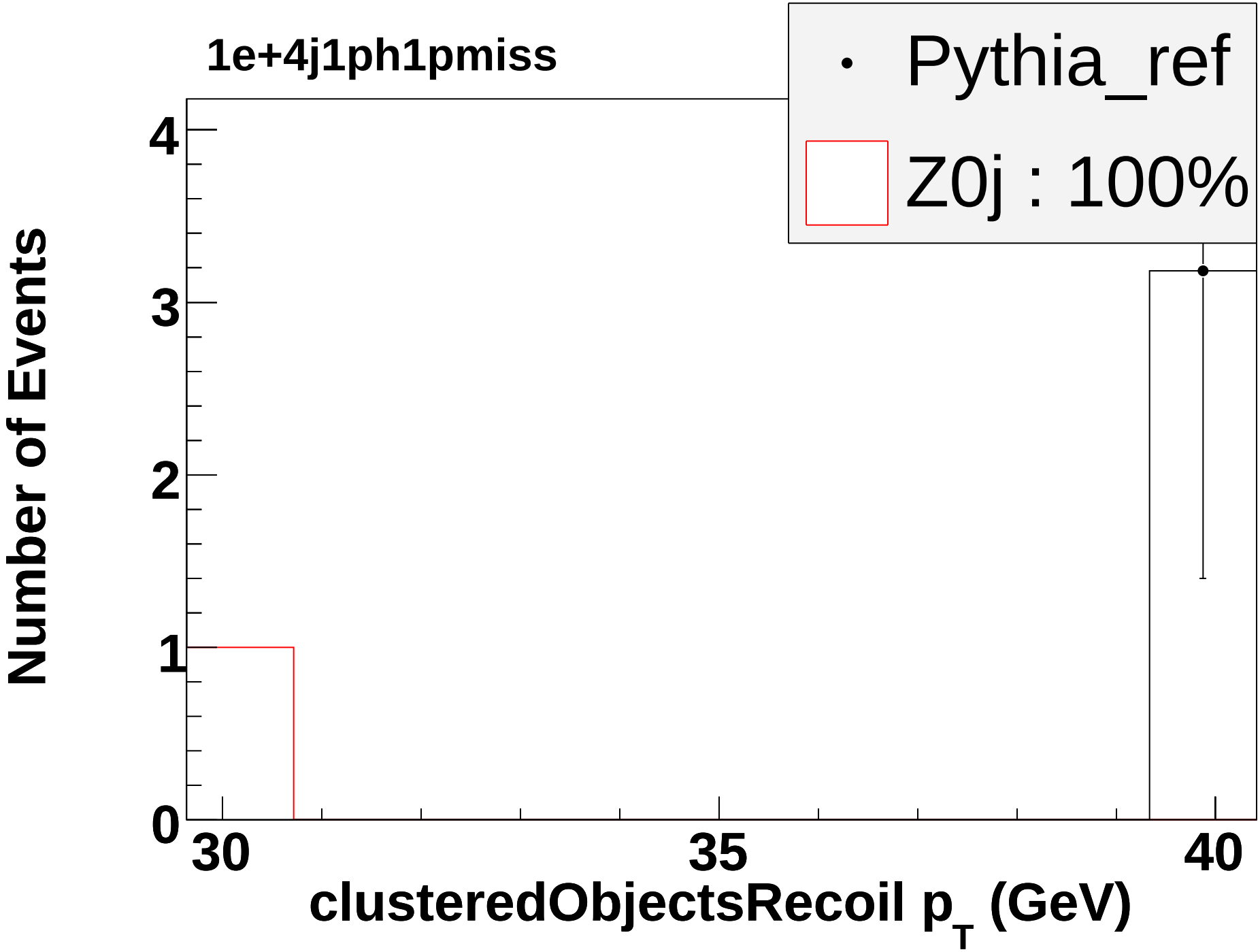

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
30
35
40
45
j2 p_T (GeV)

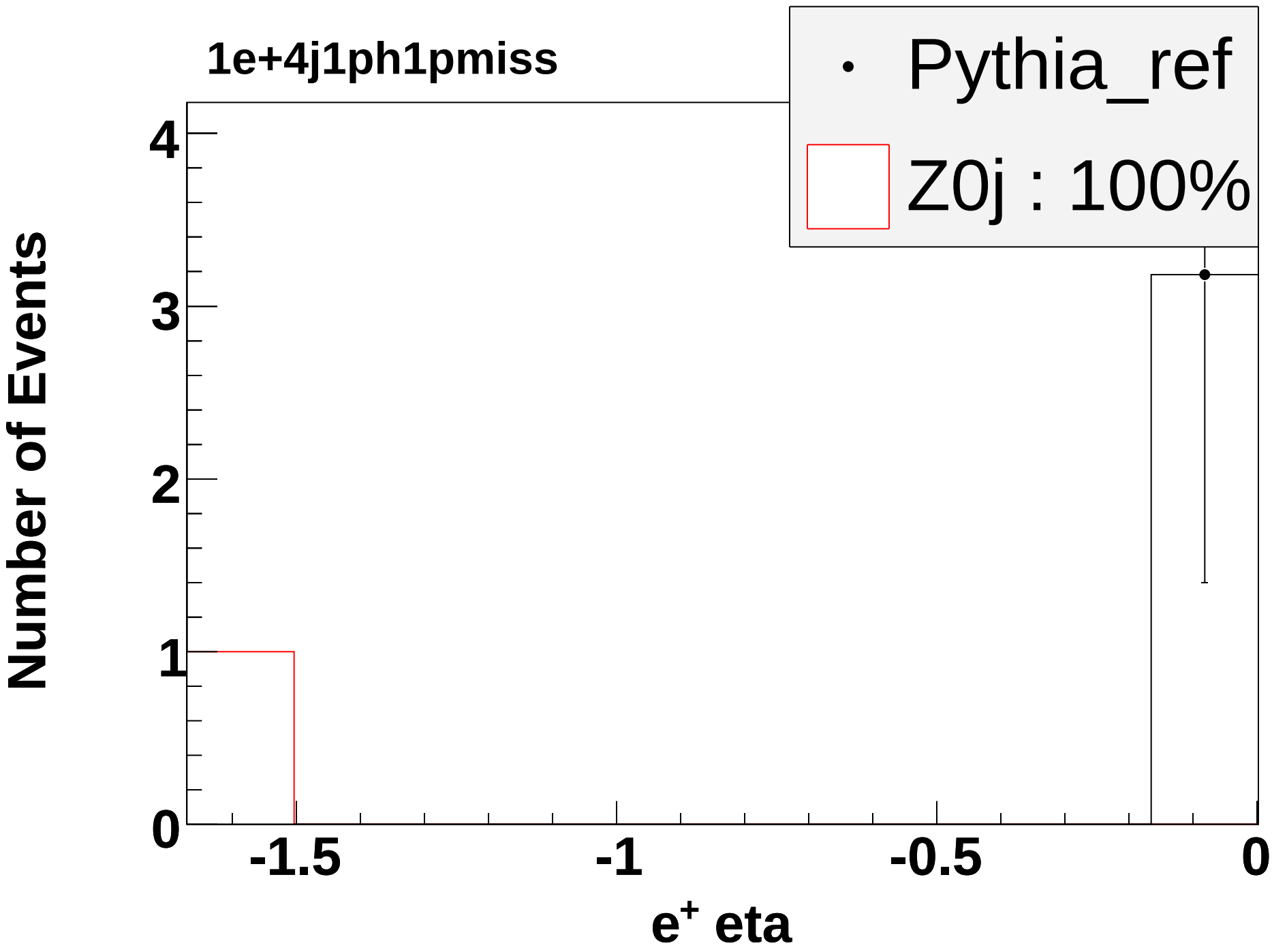

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
30
32
34
36
j3 p_T (GeV)

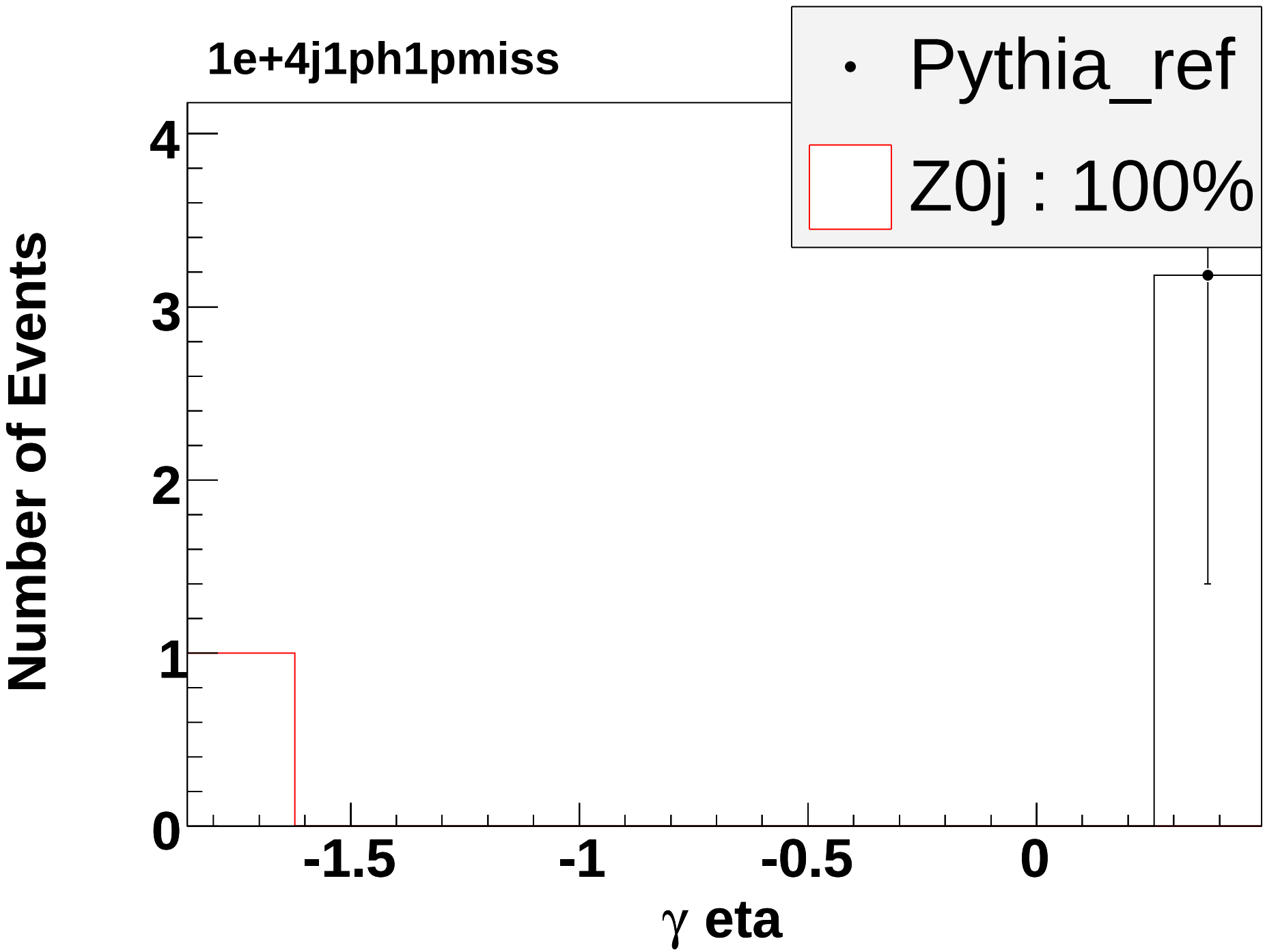

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
27
28
29
30
j4 p_T (GeV)

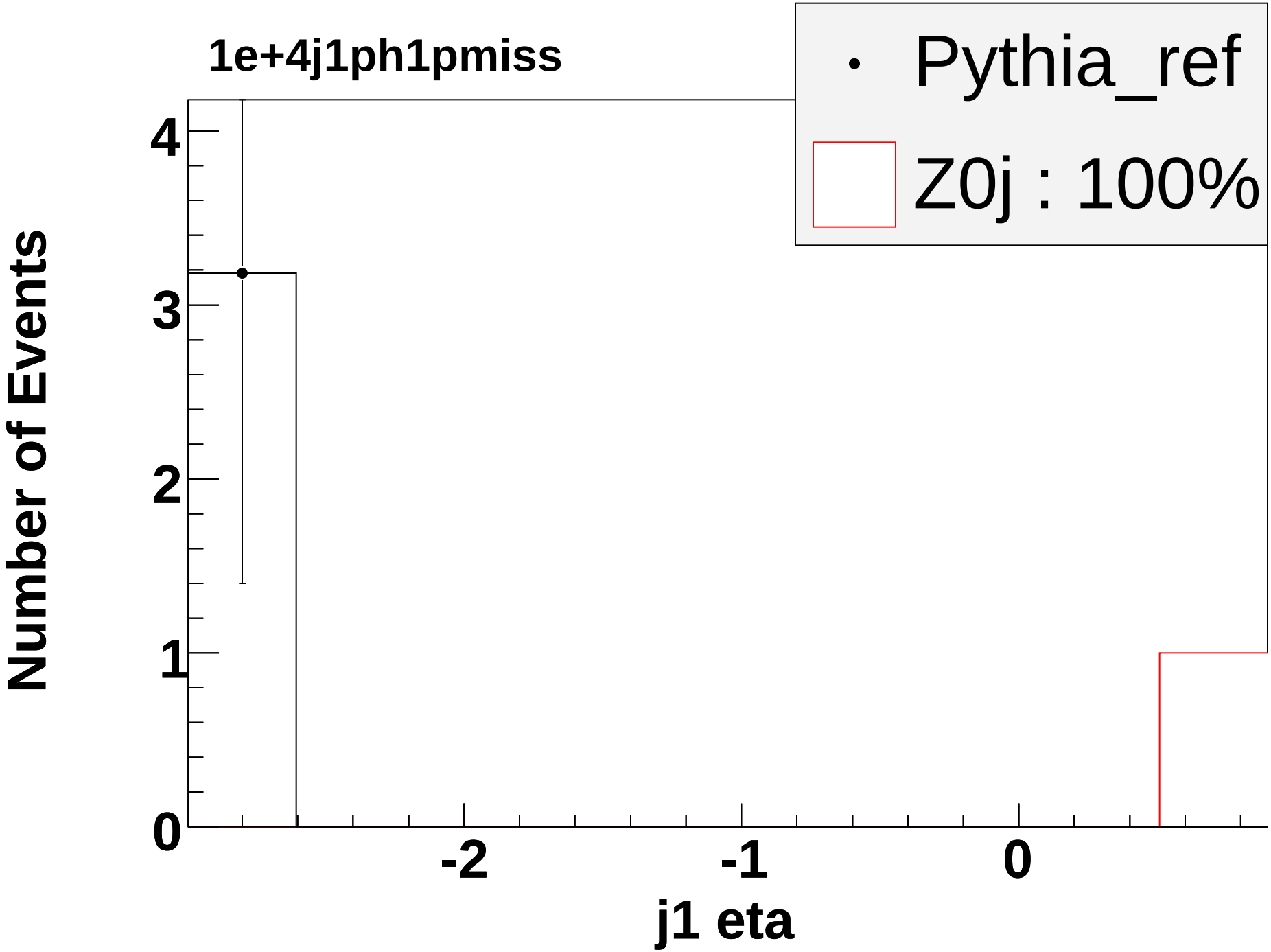

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
30
35
40
p_T (GeV)

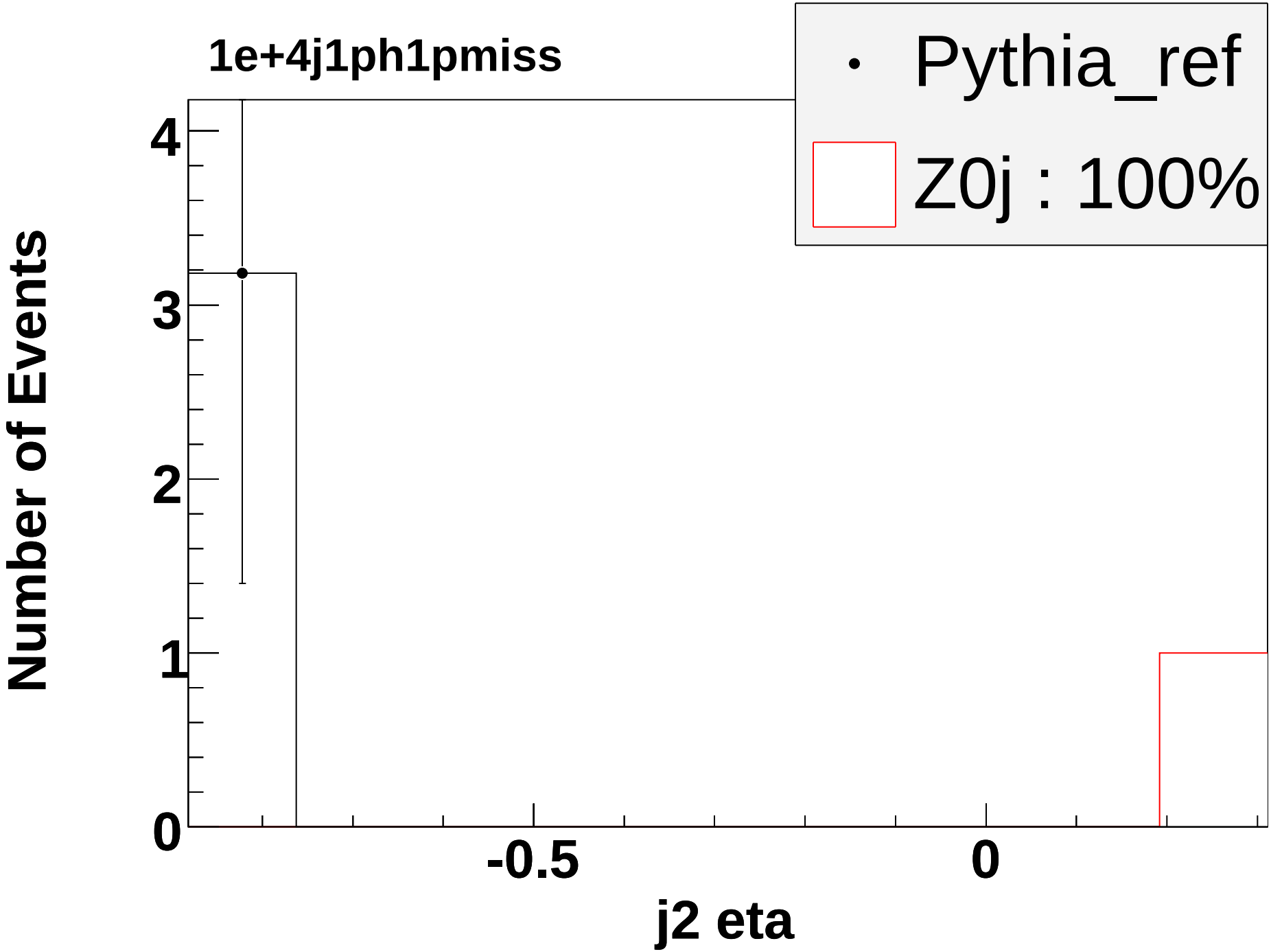

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
-1
-0.5
0
0.5
1
uncl p_T (GeV)

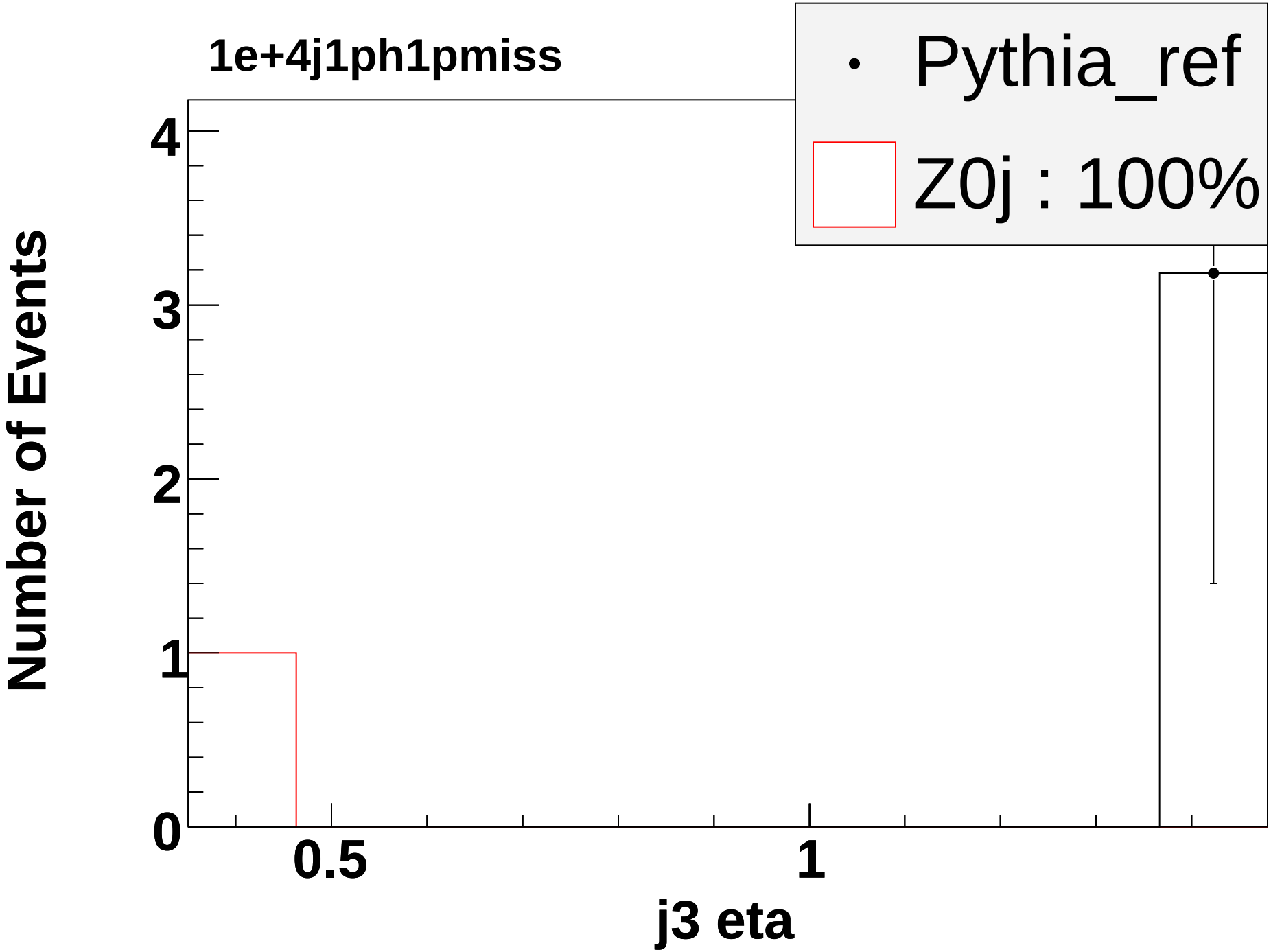

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
30
35
40
clusteredObjectsRecoil p_T (GeV)

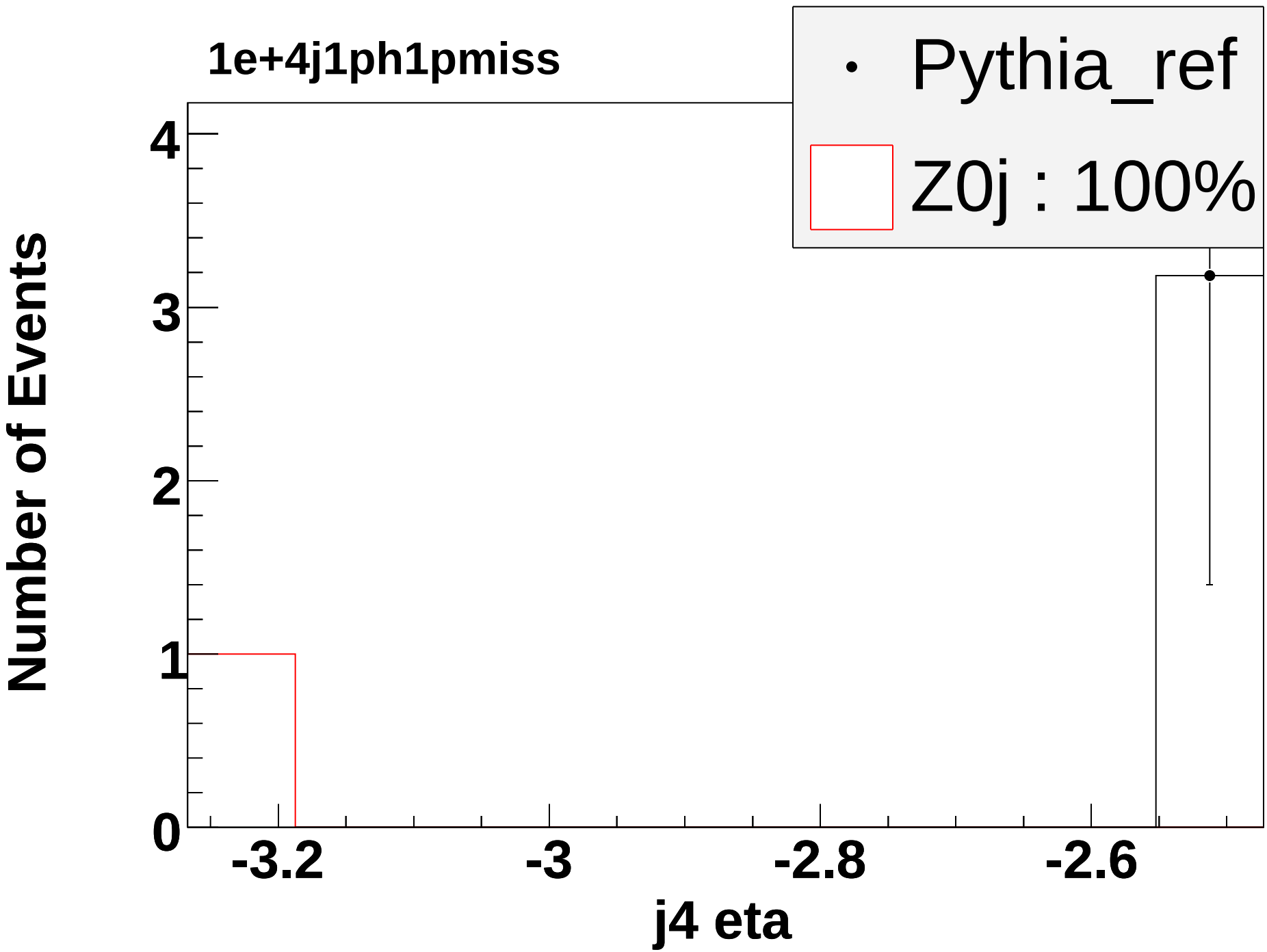

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
-1.5
-1
-0.5
0
e+ eta

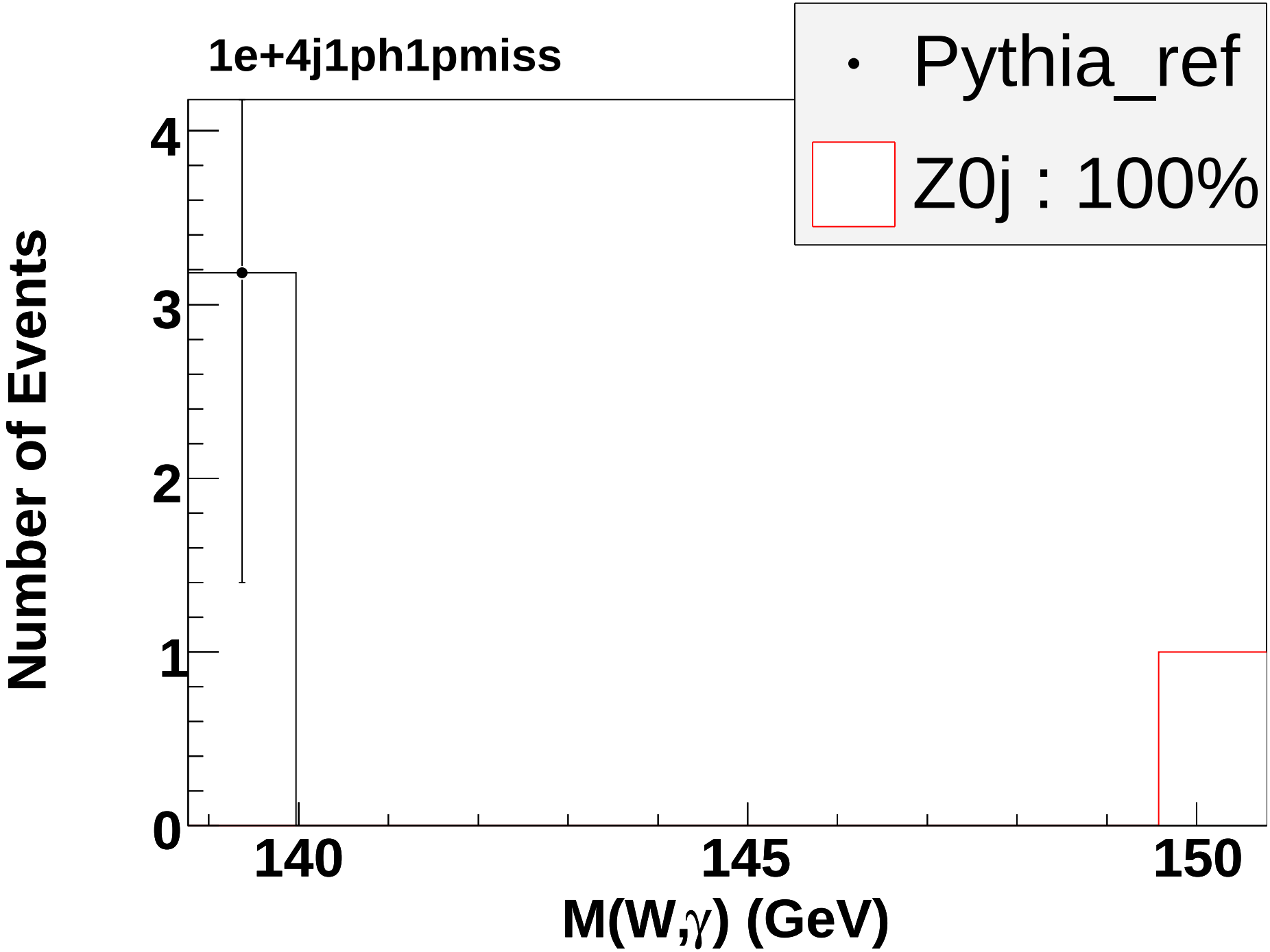

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
-1.5
-1
-0.5
0
γ eta

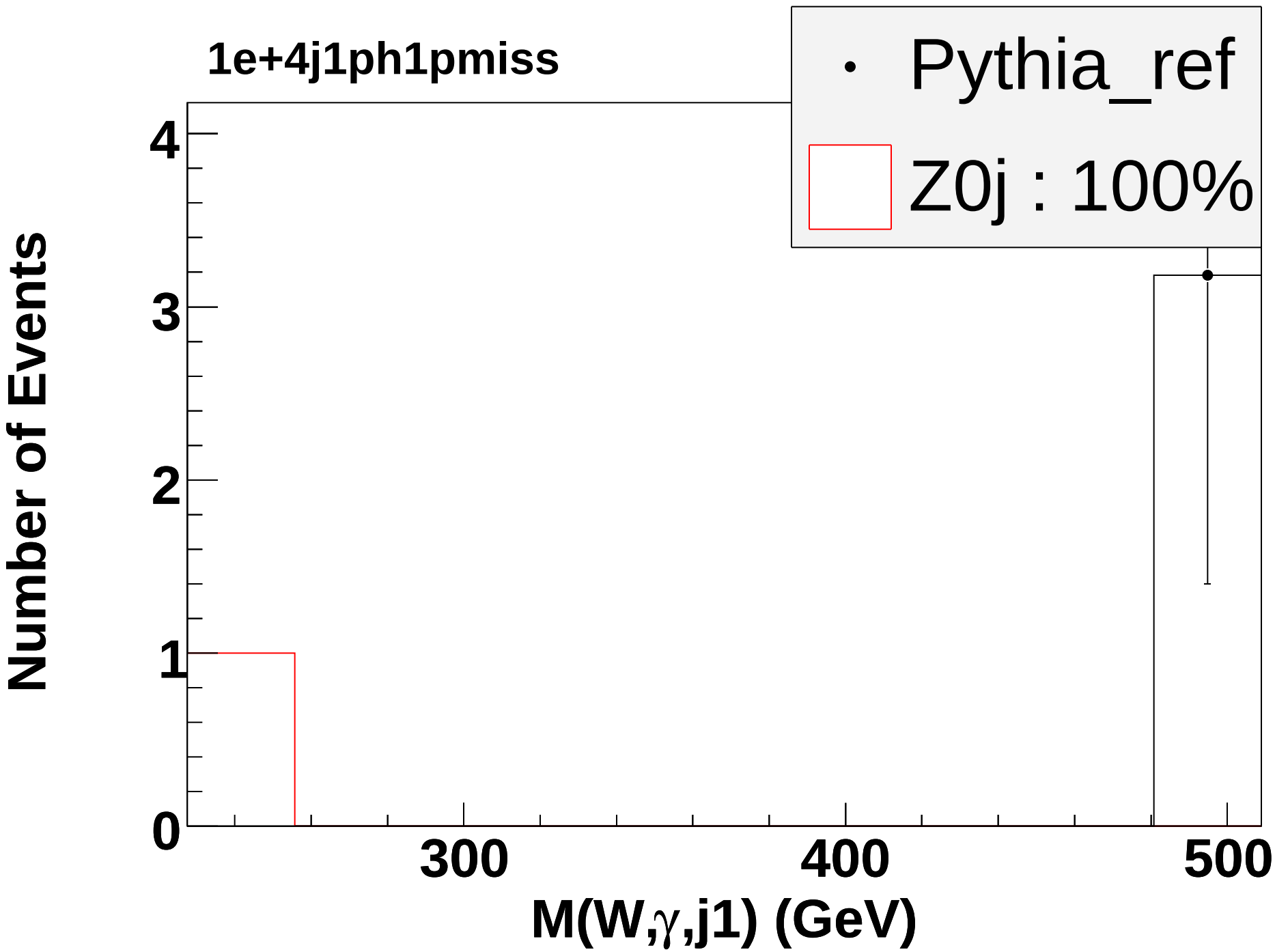

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
-2
-1
0
j1 eta

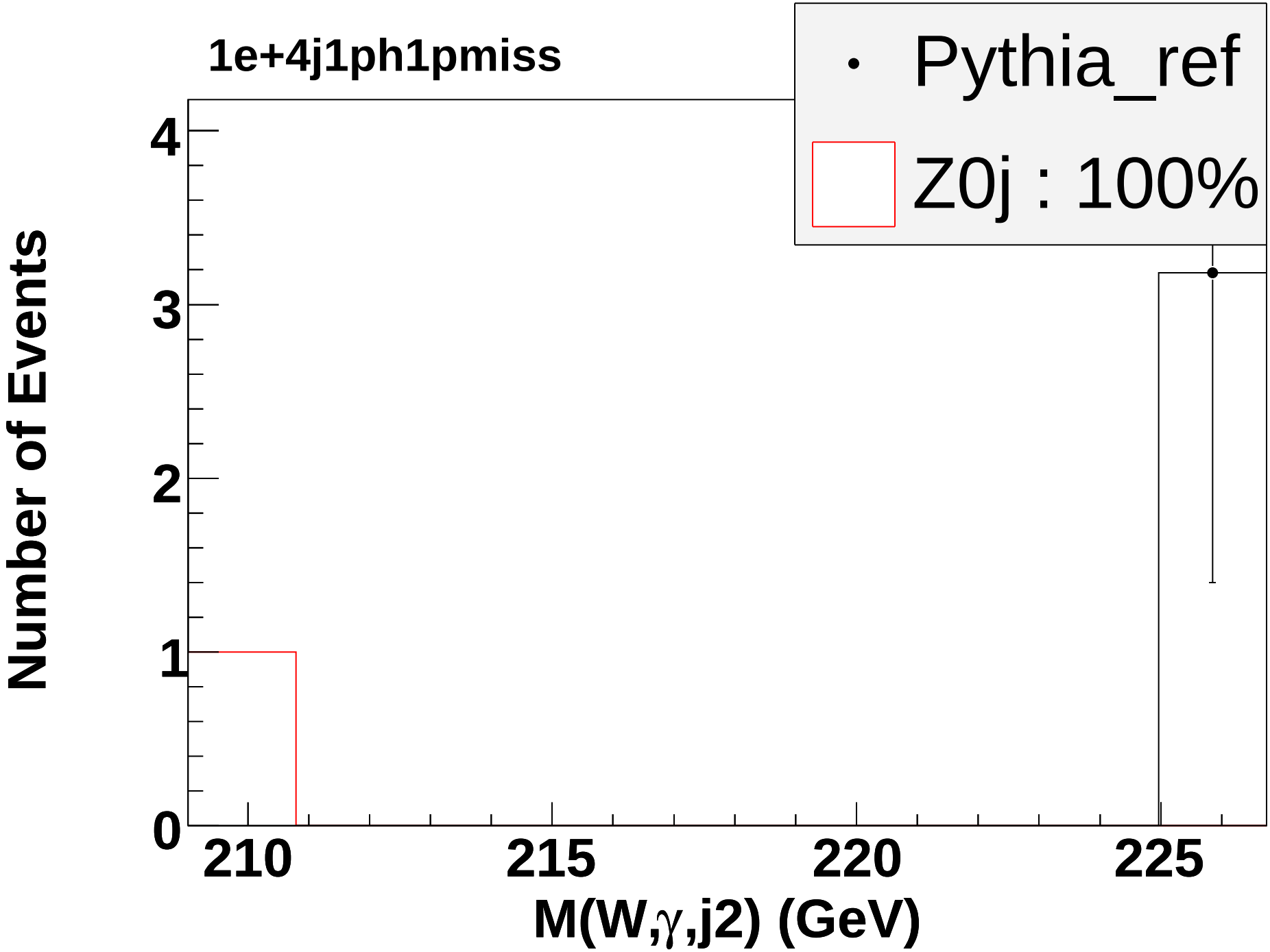

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
4
3
2
1
0
-0.5
0
j2 eta

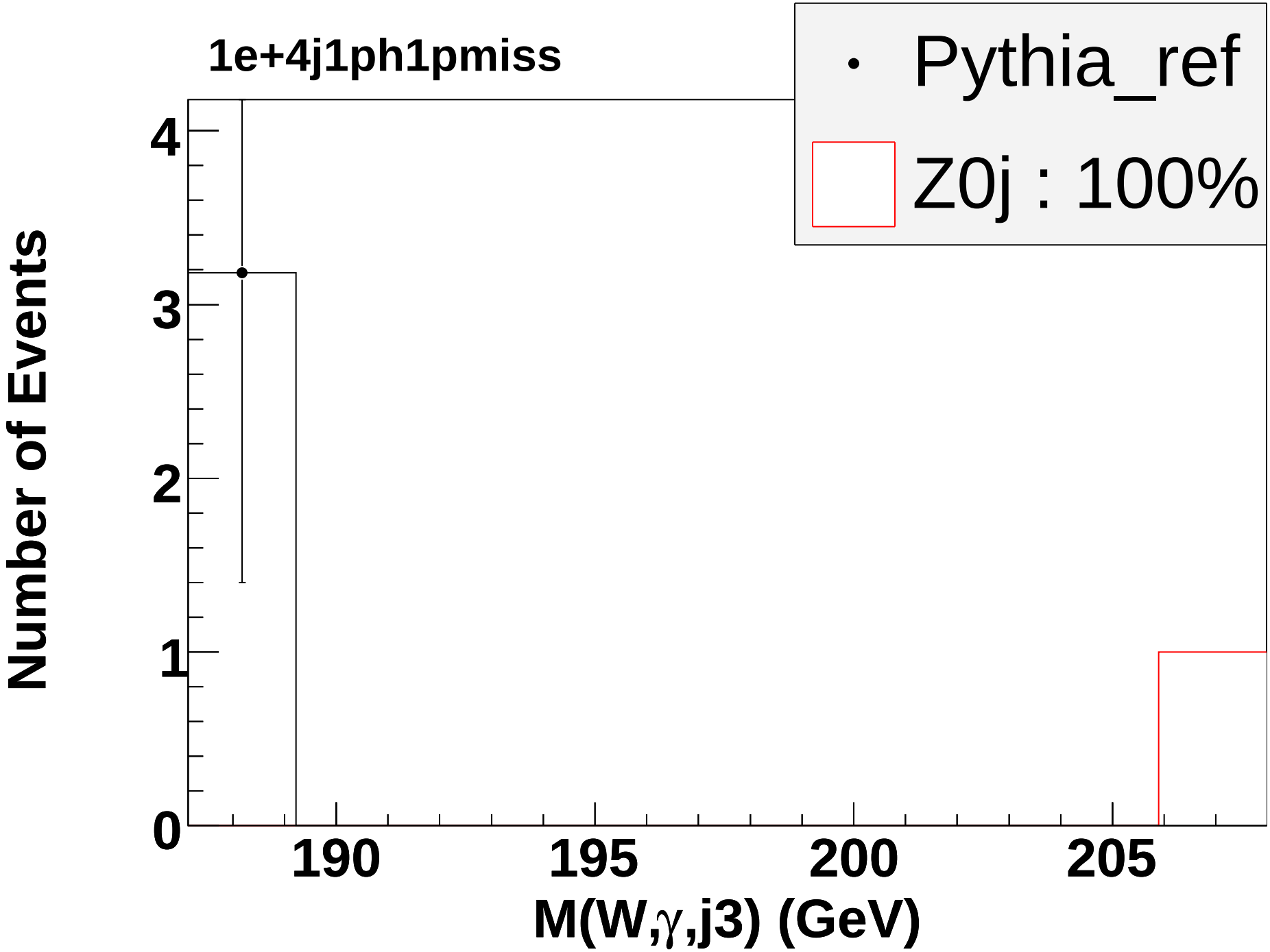

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
0.5
1
j3 eta

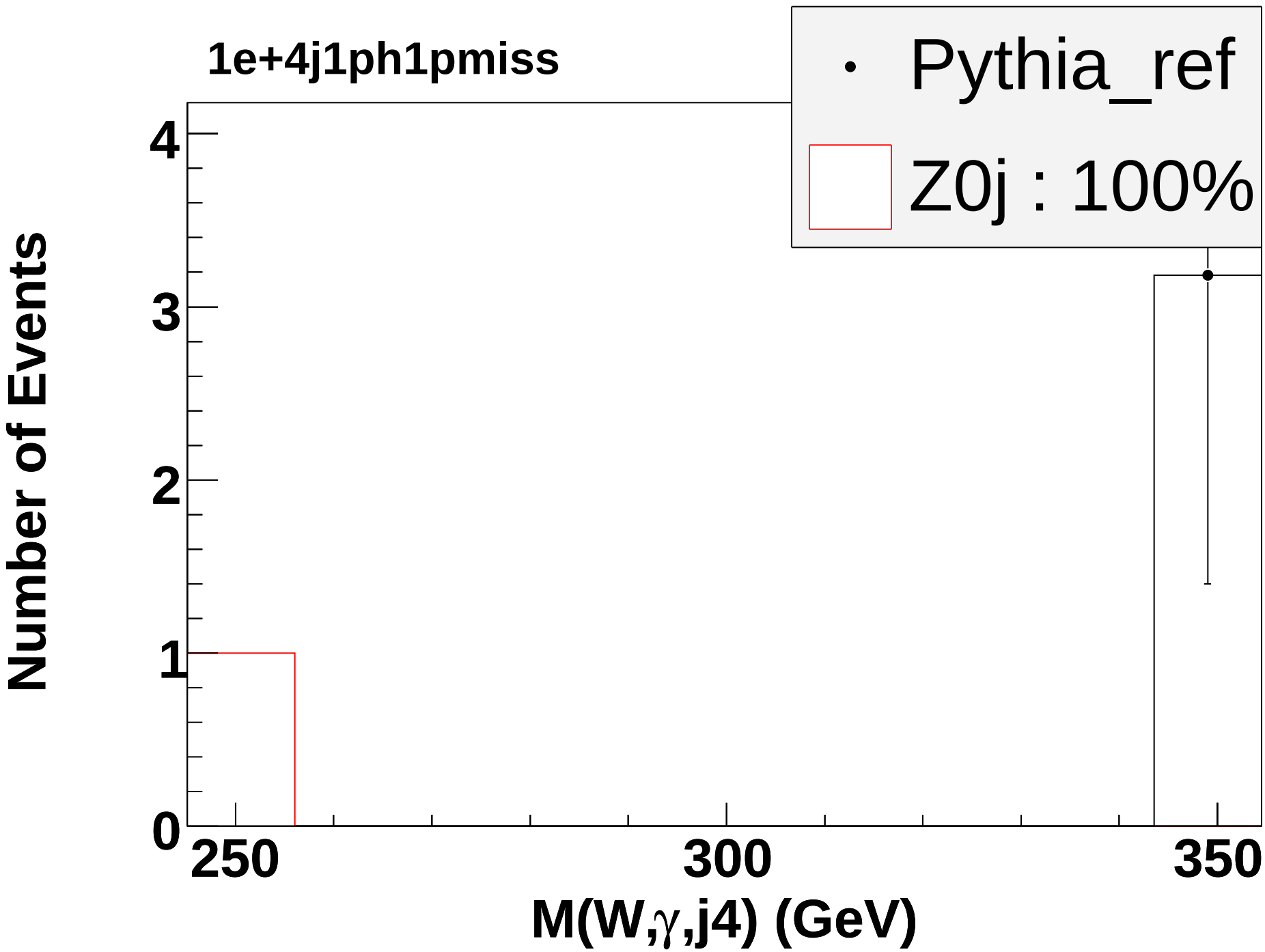

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
-3.2
-3
-2.8
-2.6
j4 eta

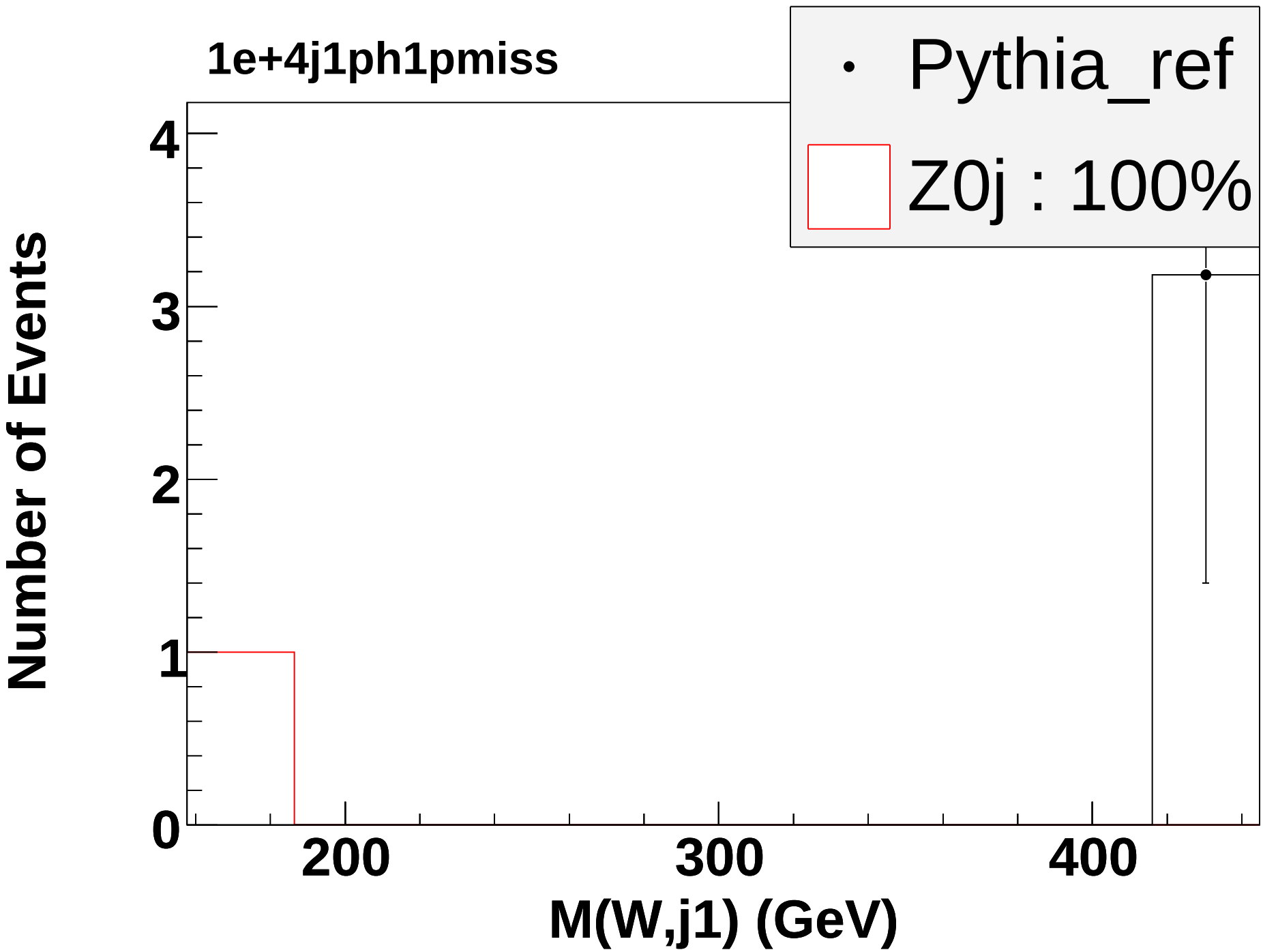

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
140
145
150
M(W,γ) (GeV)

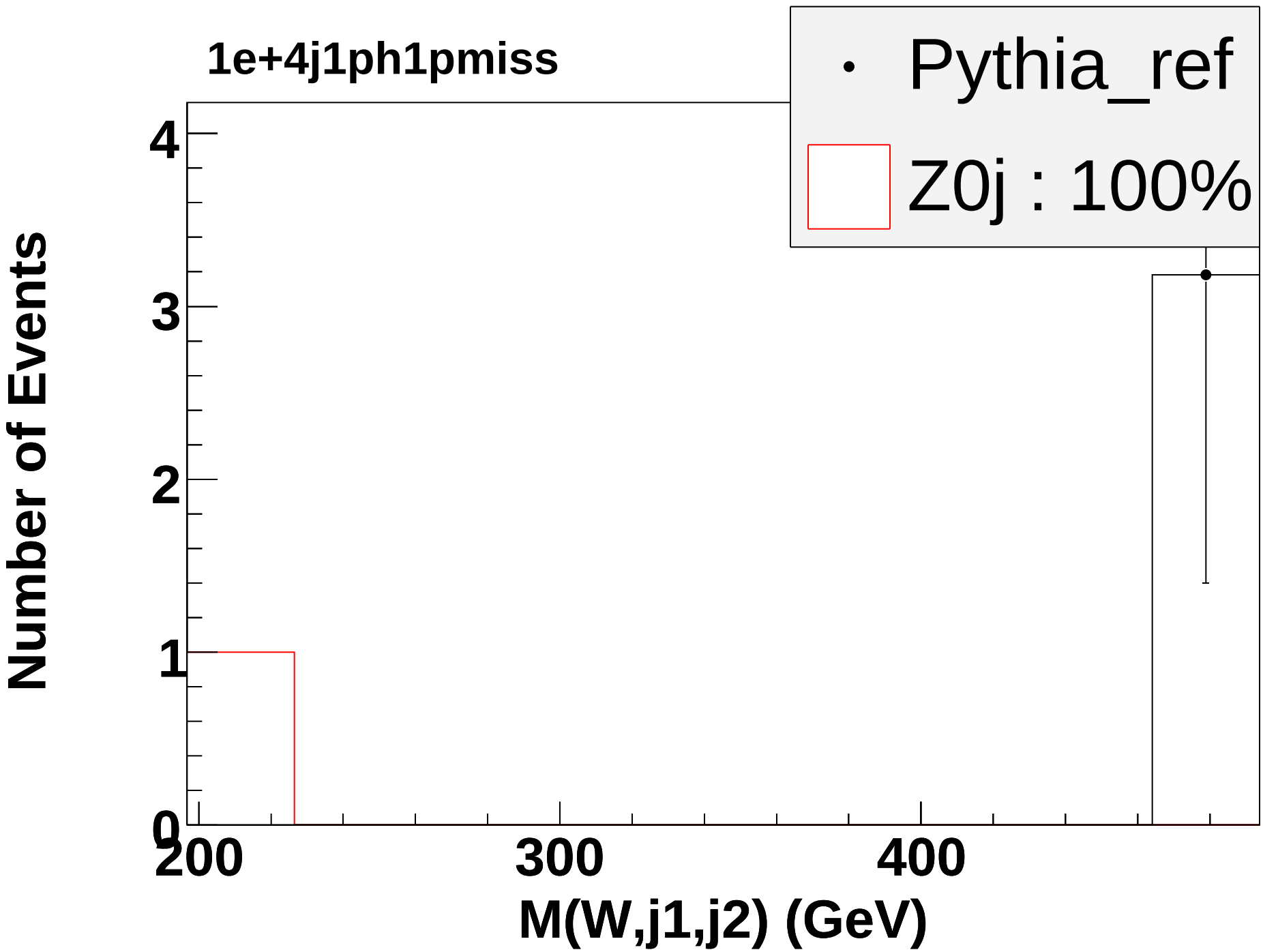

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
300
400
500
M(W,γ,j1) (GeV)

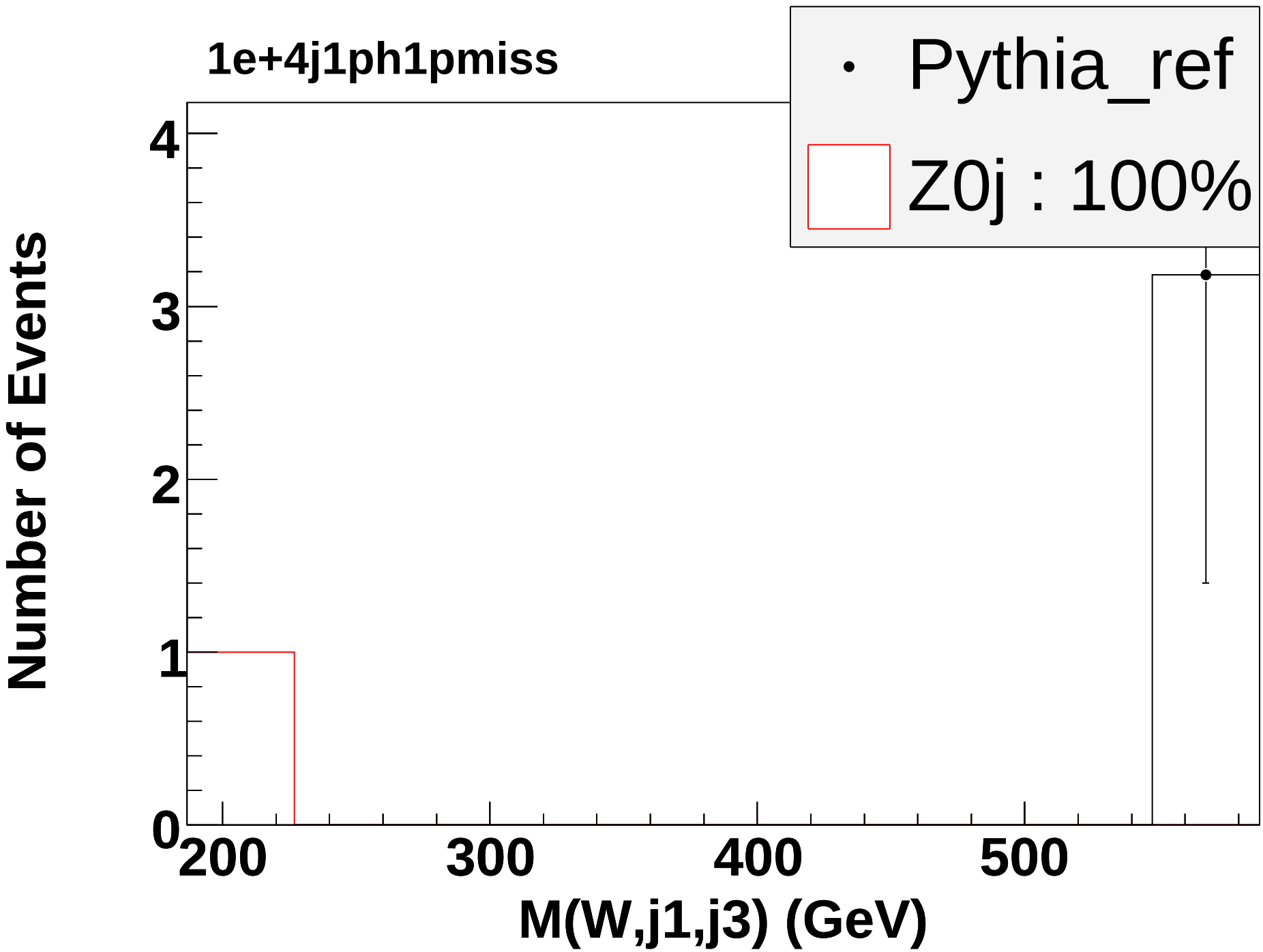

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
210
215
220
225
M(W,γ,j2) (GeV)

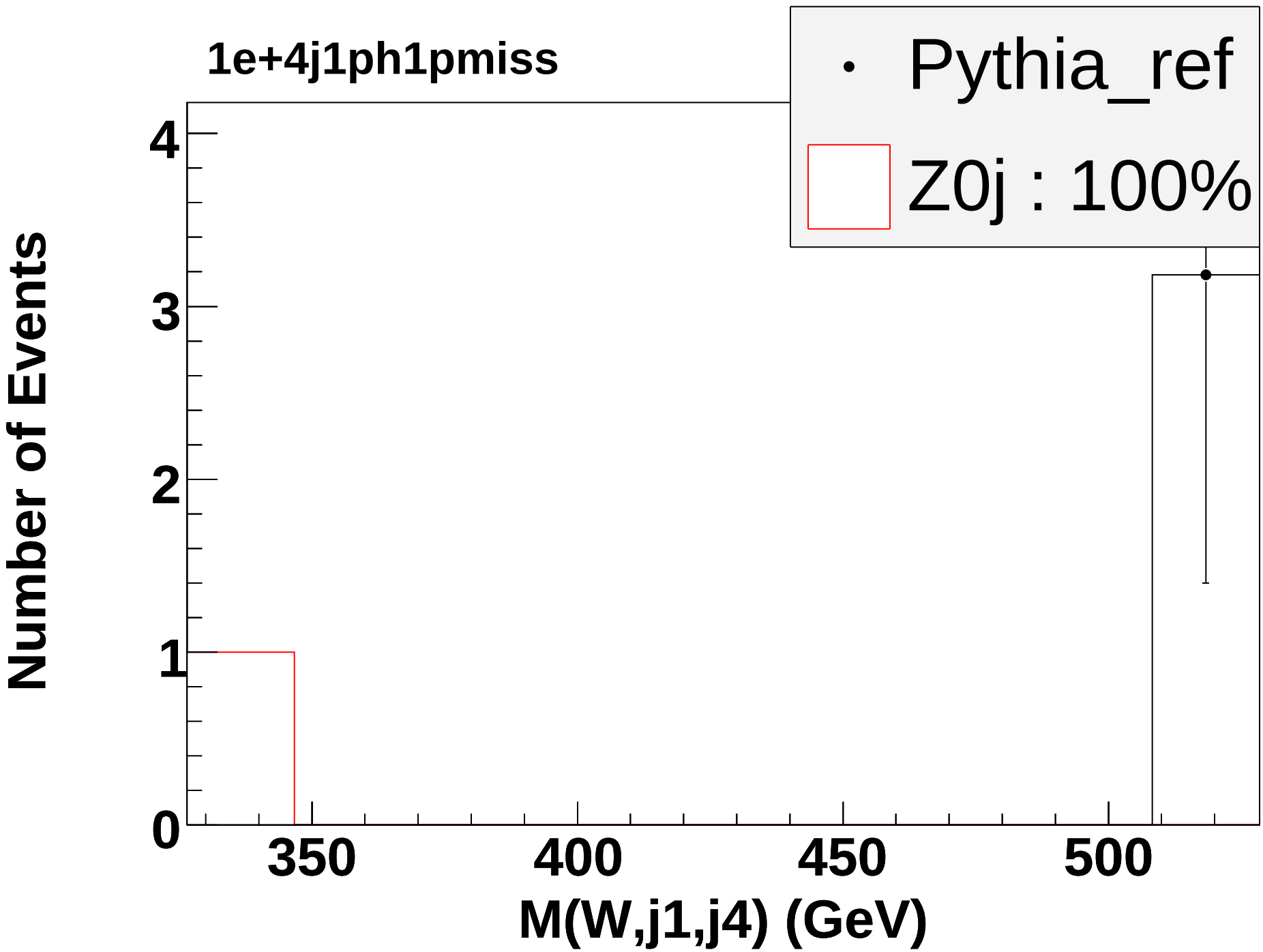

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
190
195
200
205
M(W,γ,j3) (GeV)

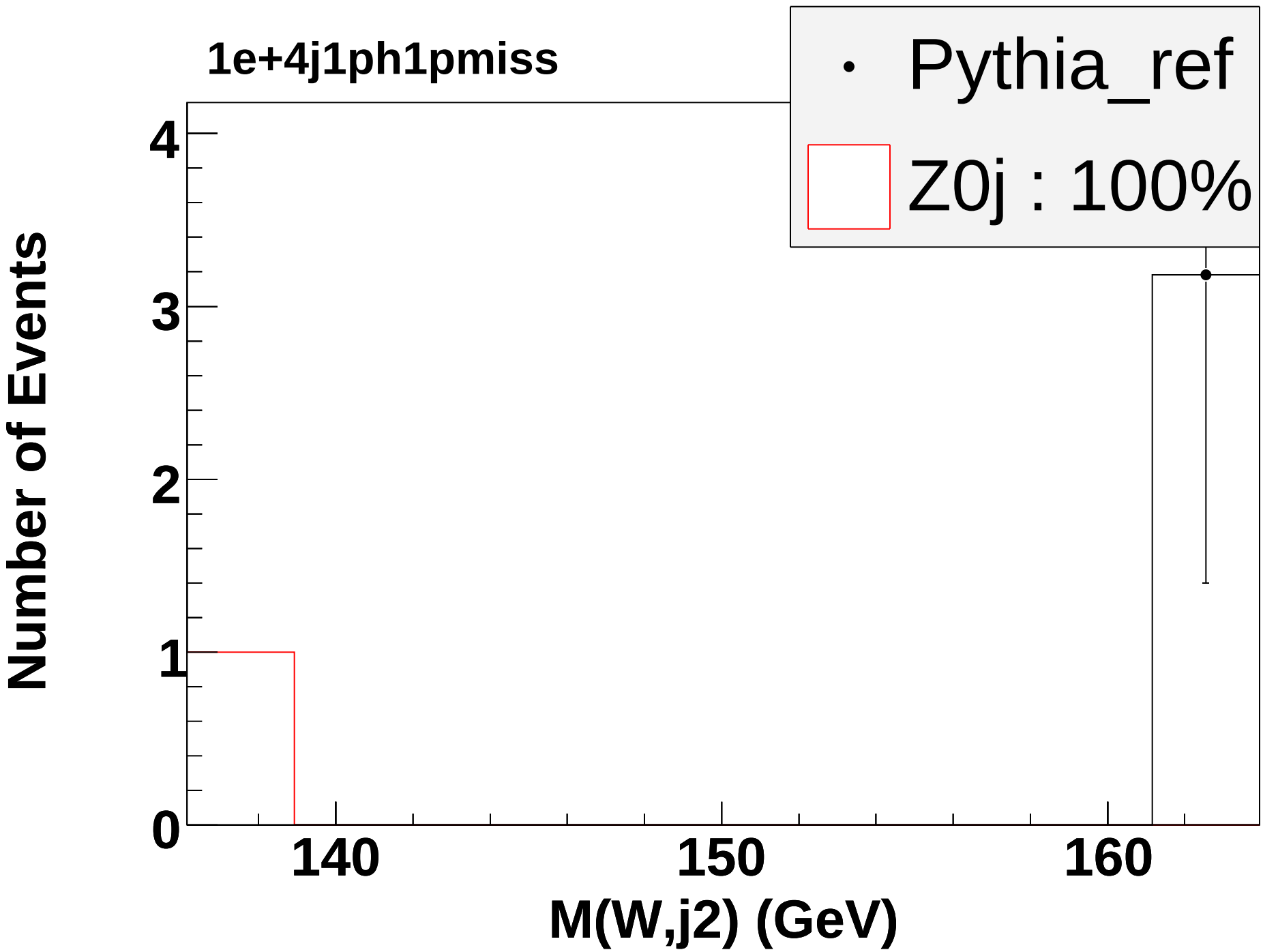

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
250
300
350
M(W,γ,j4) (GeV)

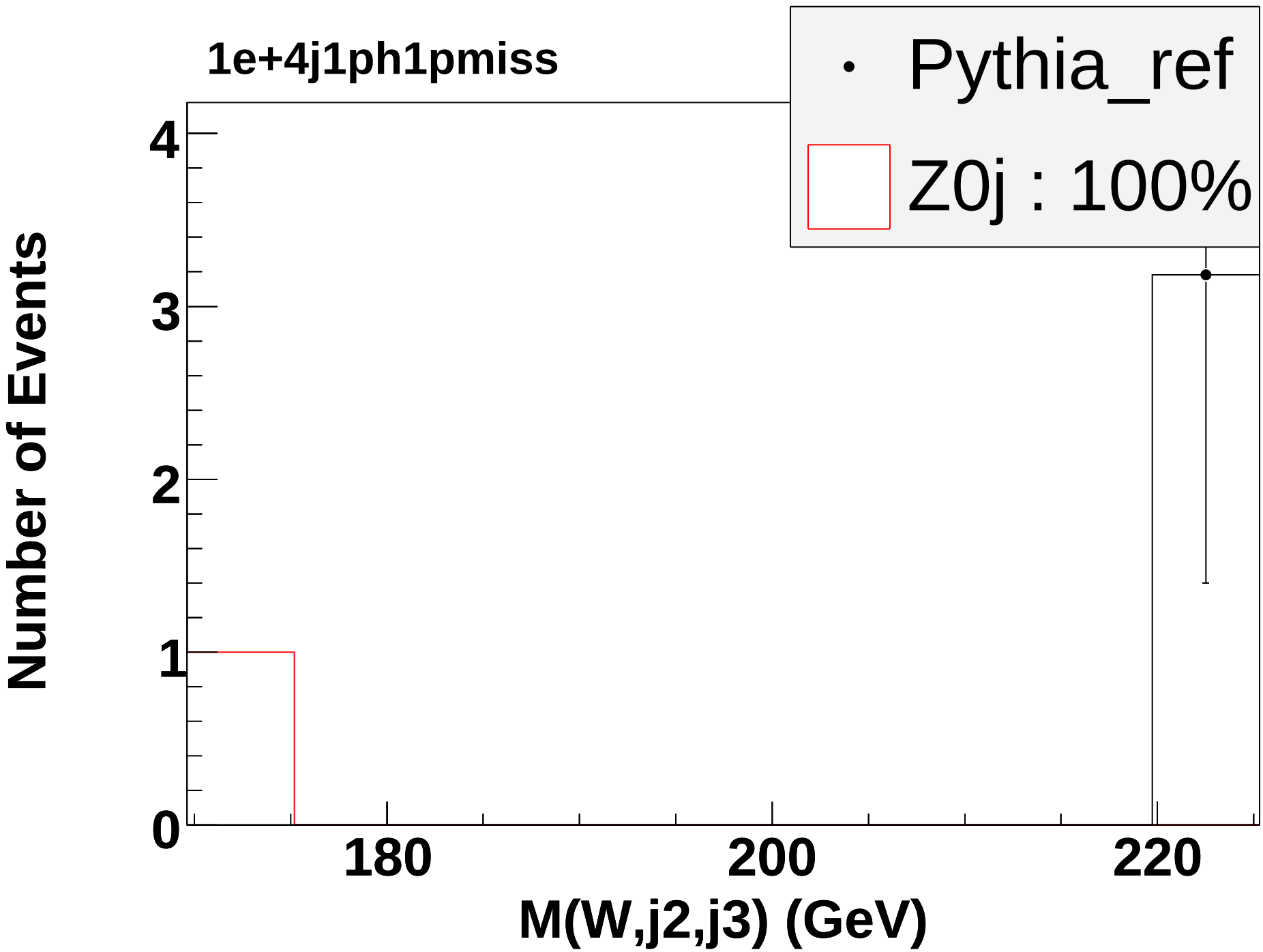

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
200
300
400
M(W,j1) (GeV)

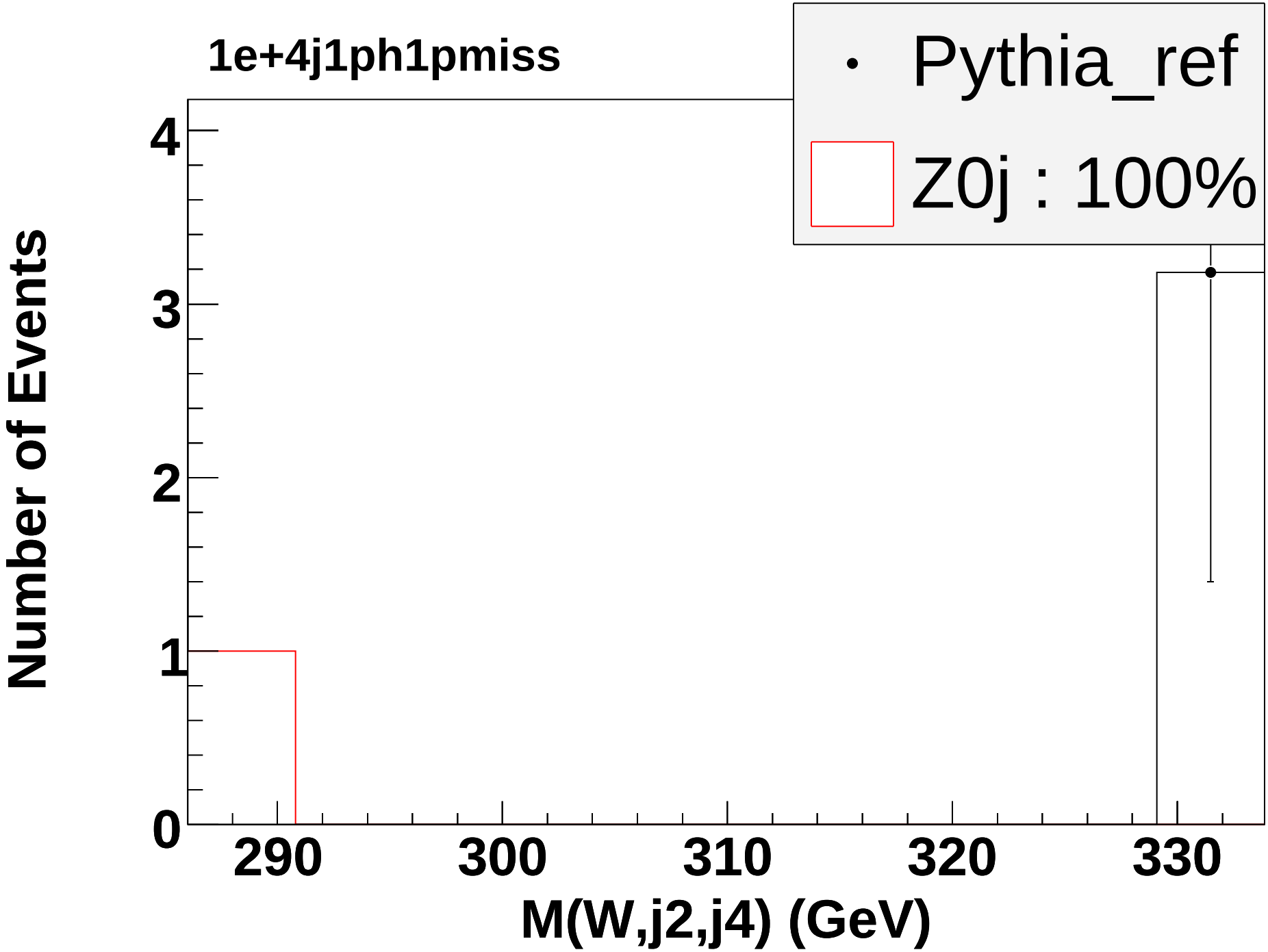

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
200
300
400
M(W,j1,j2) (GeV)

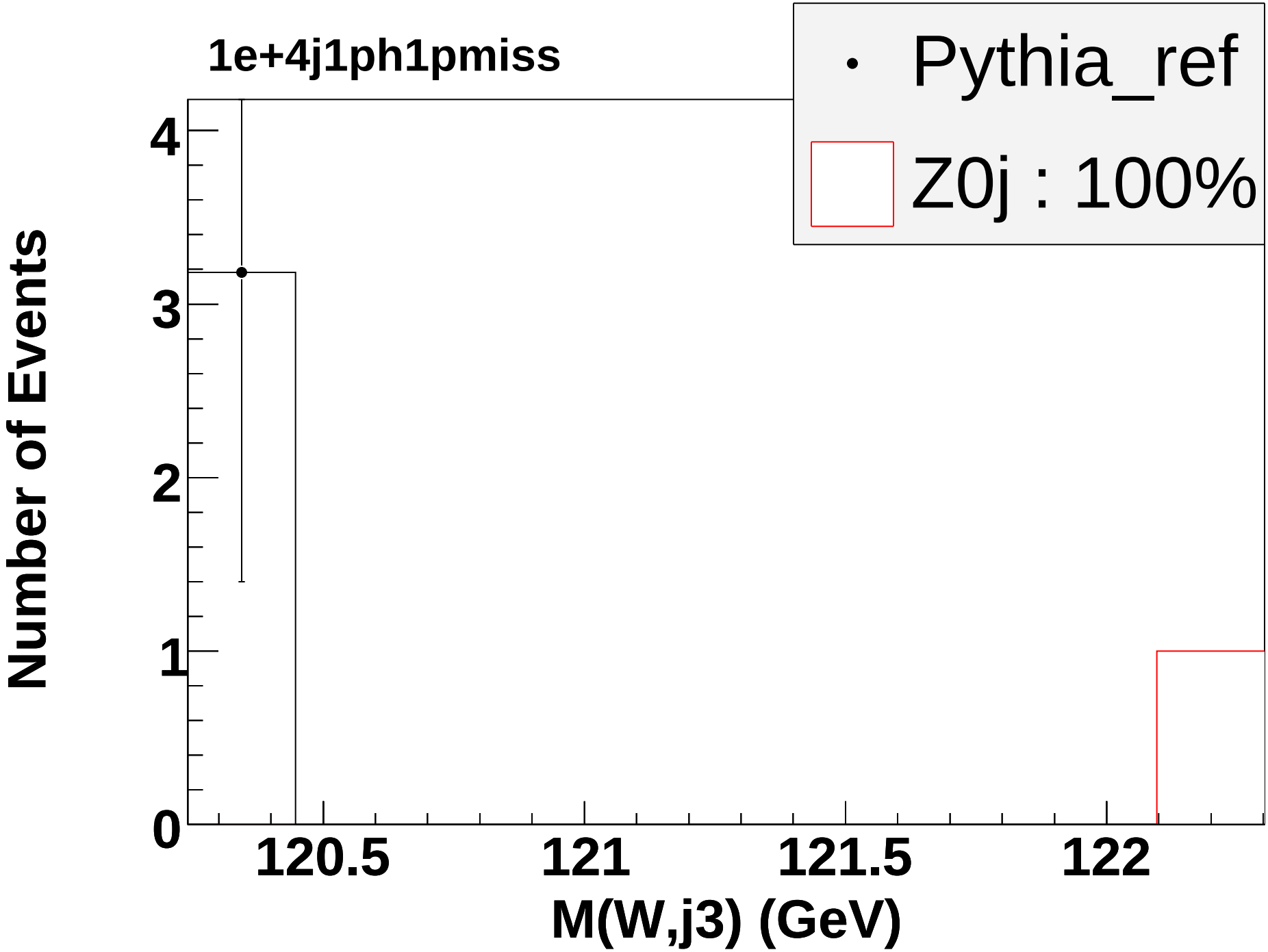

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
200
300
400
500
M(W,j1,j3) (GeV)

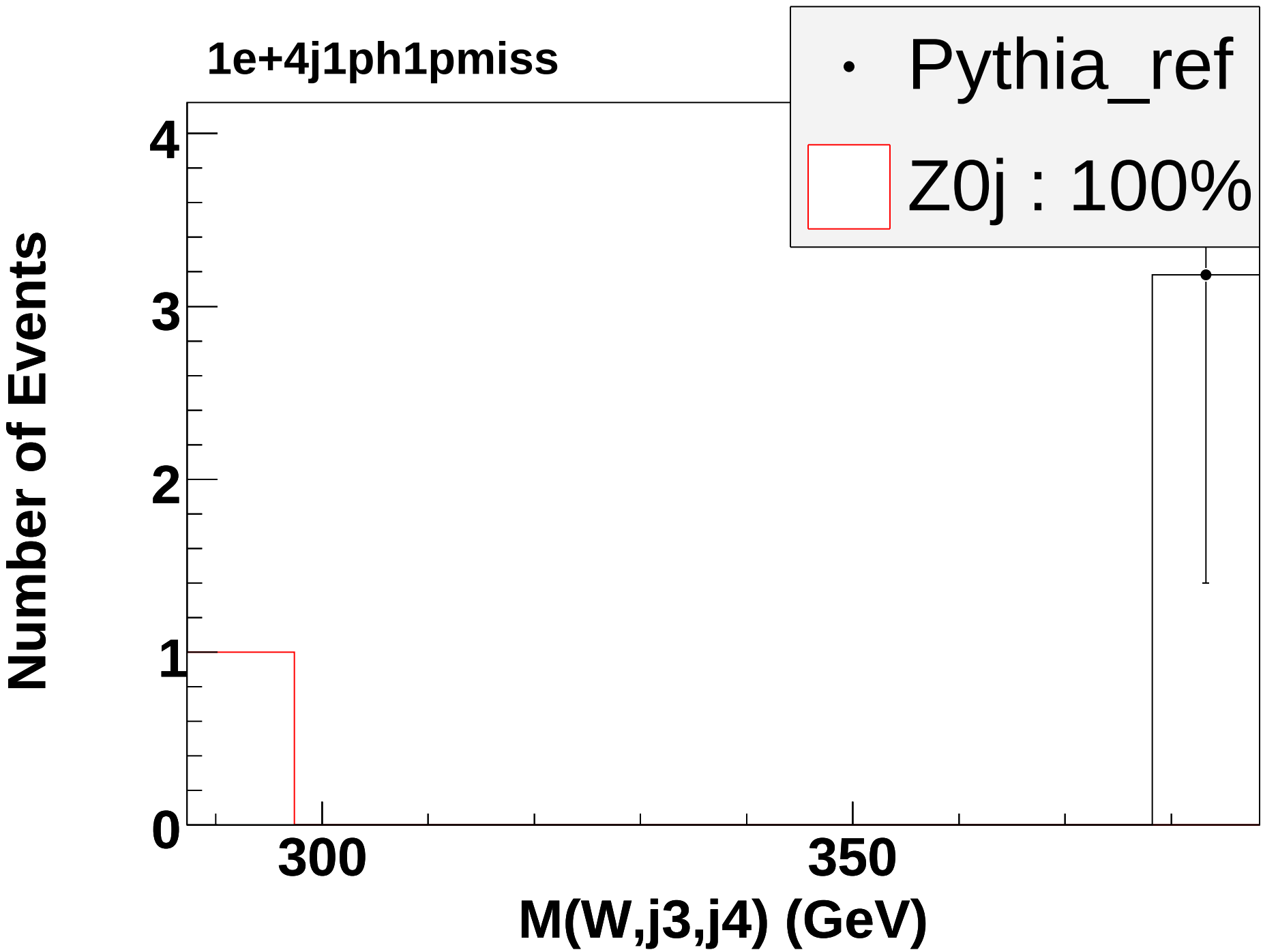

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
350
400
450
500
M(W,j1,j4) (GeV)

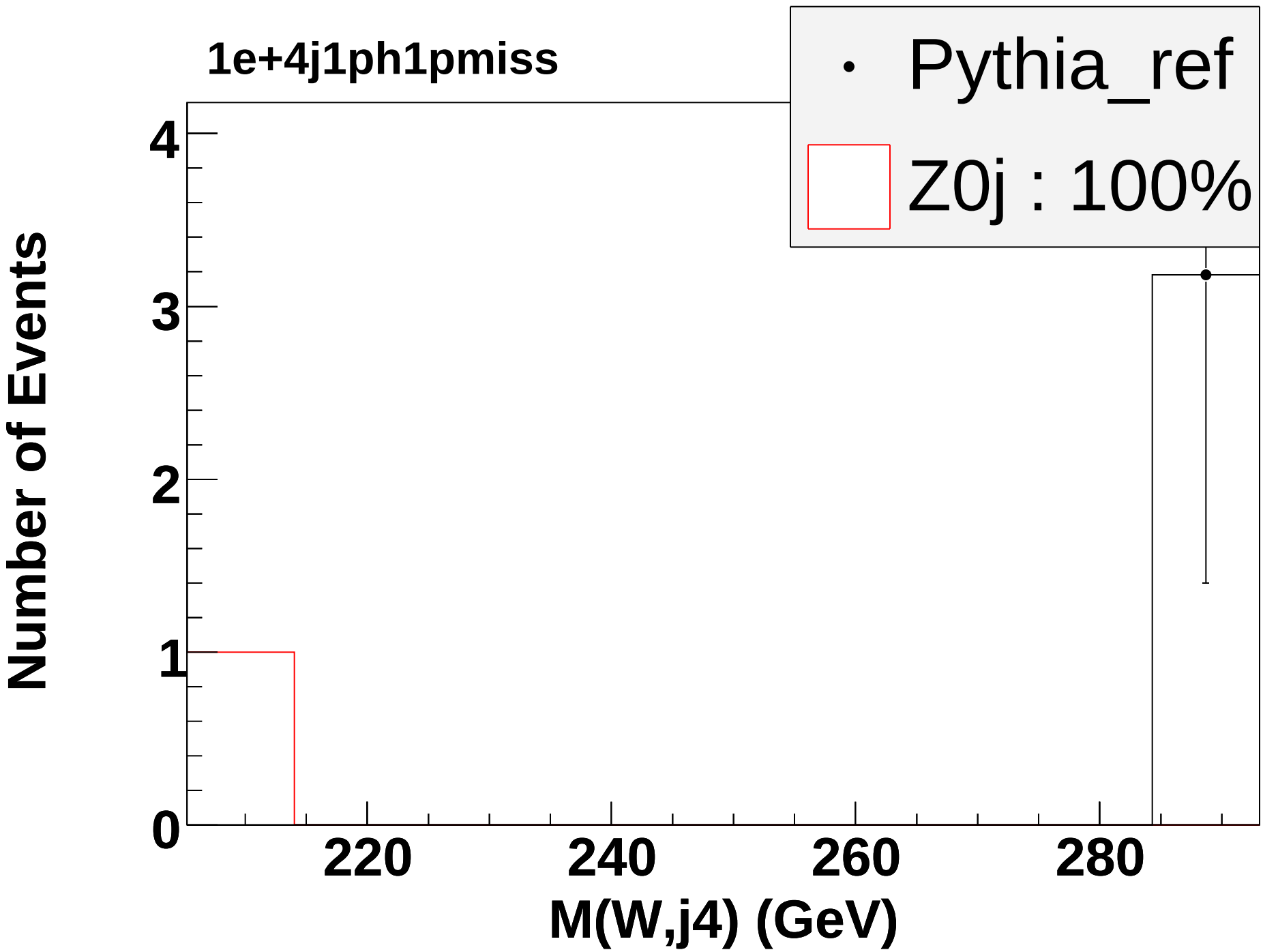

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
140
150
160
M(W,j2) (GeV)

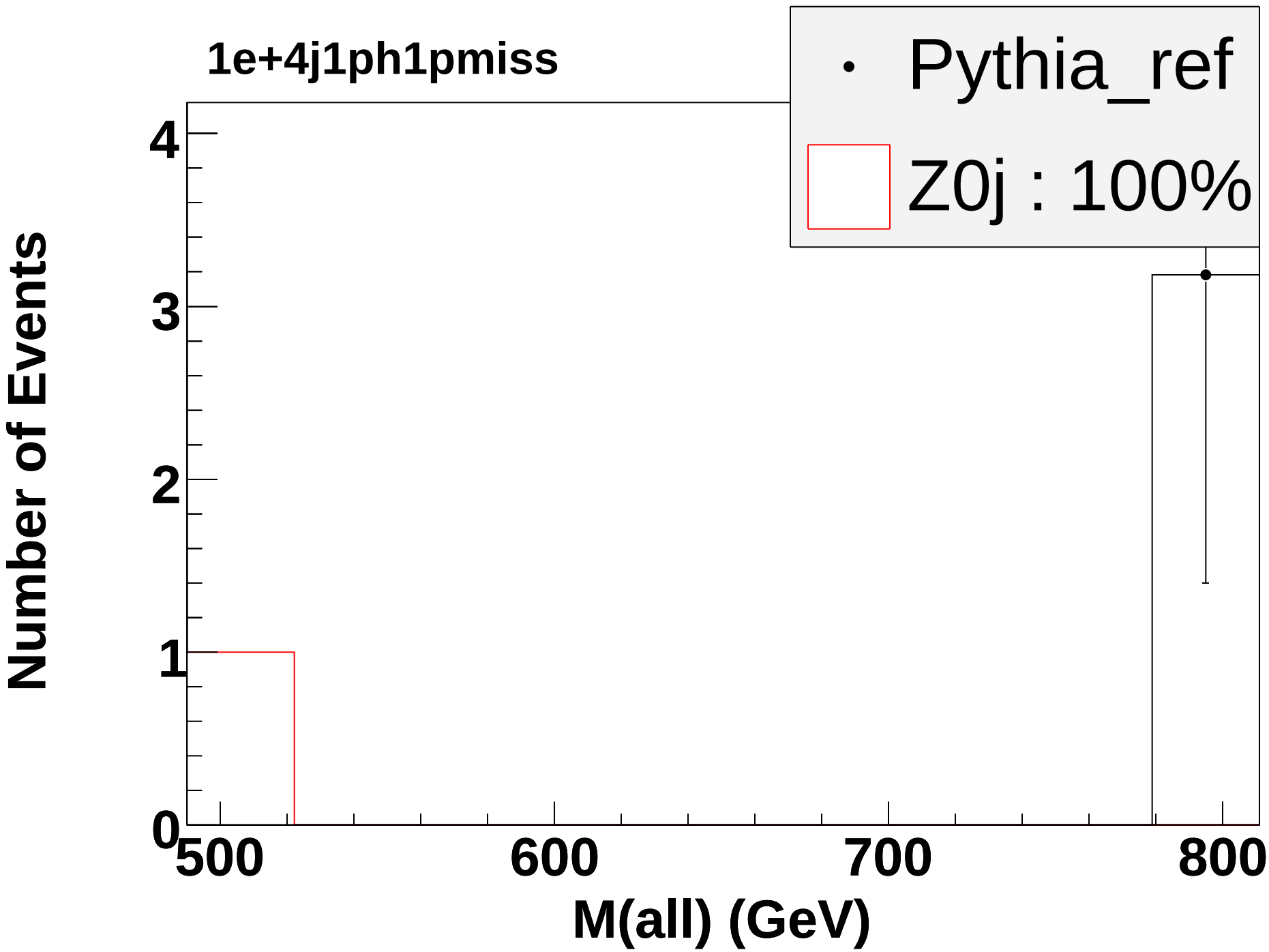

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
180
200
220
M(W,j2,j3) (GeV)

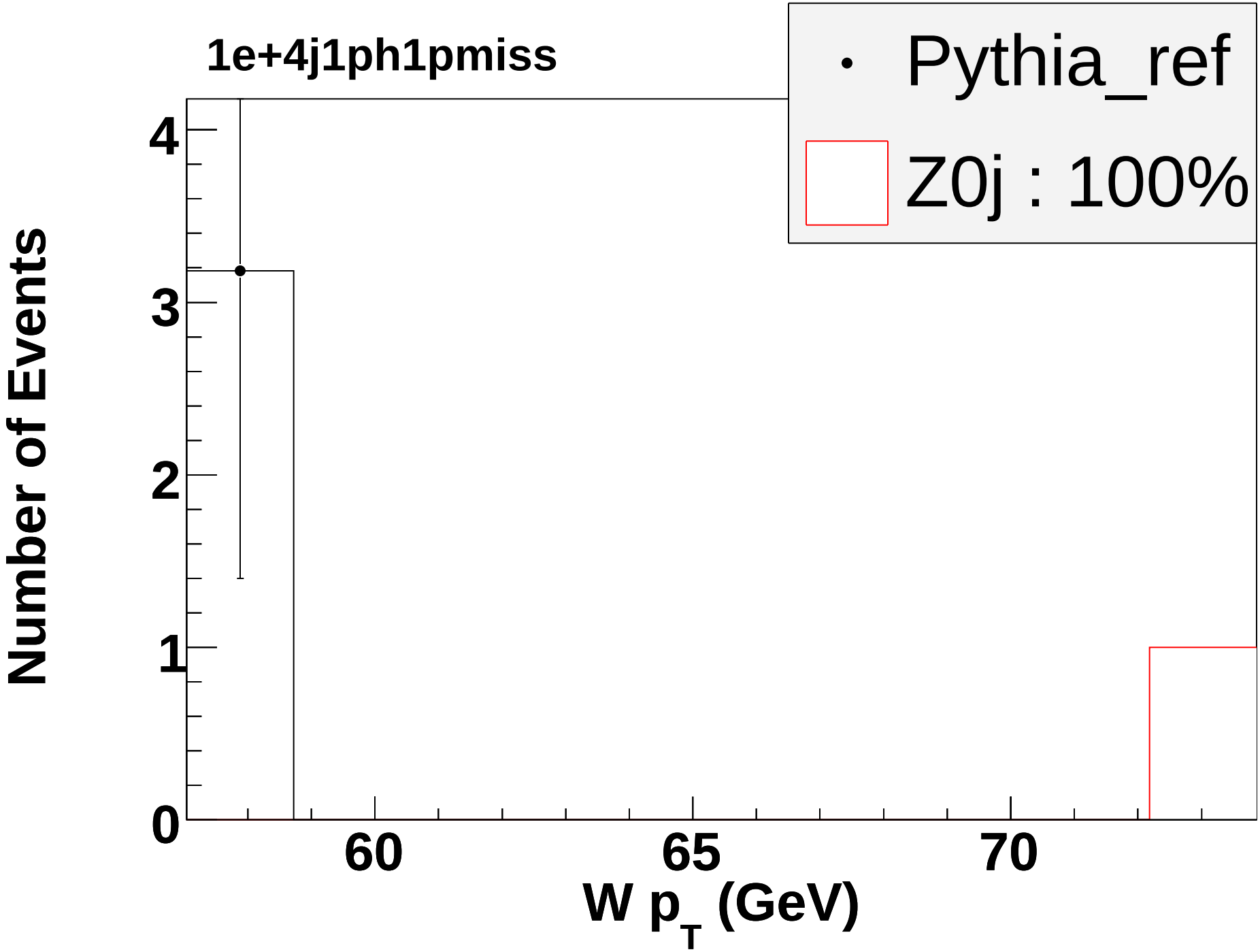

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
290
300
310
320
330
M(W,j2,j4) (GeV)

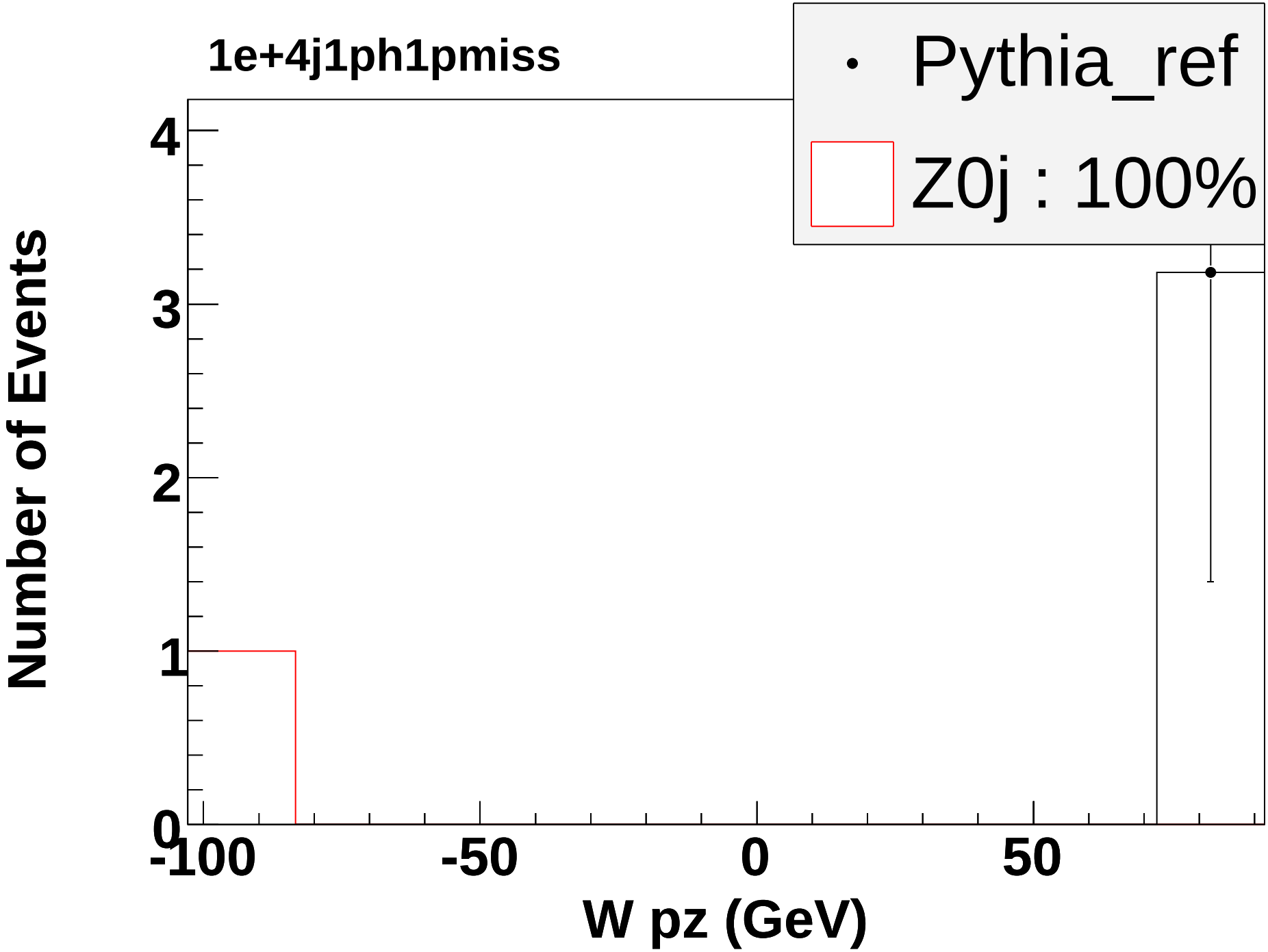

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
120.5
121
121.5
122
M(W,j3) (GeV)

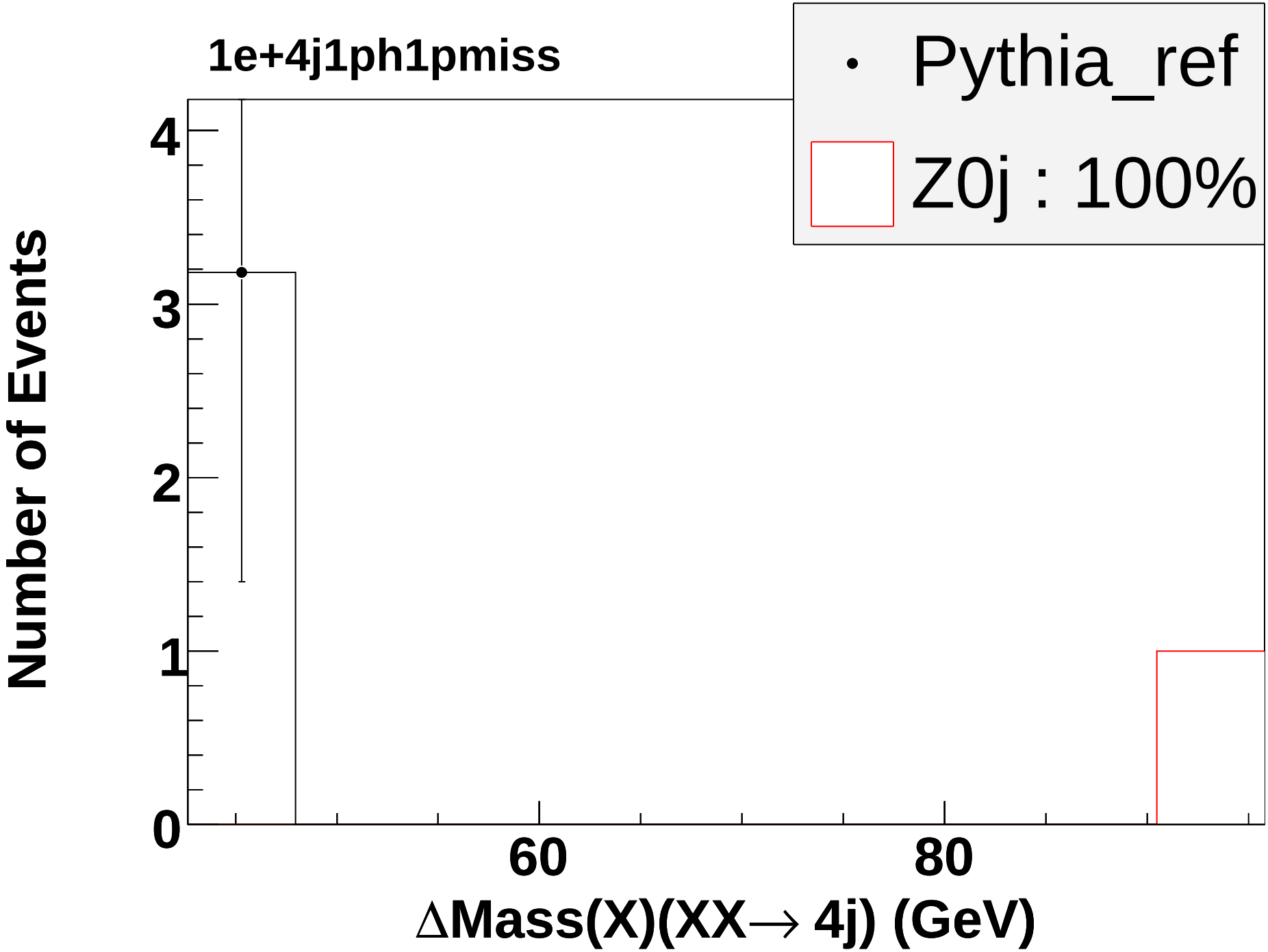

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
300
350
M(W,j3,j4) (GeV)

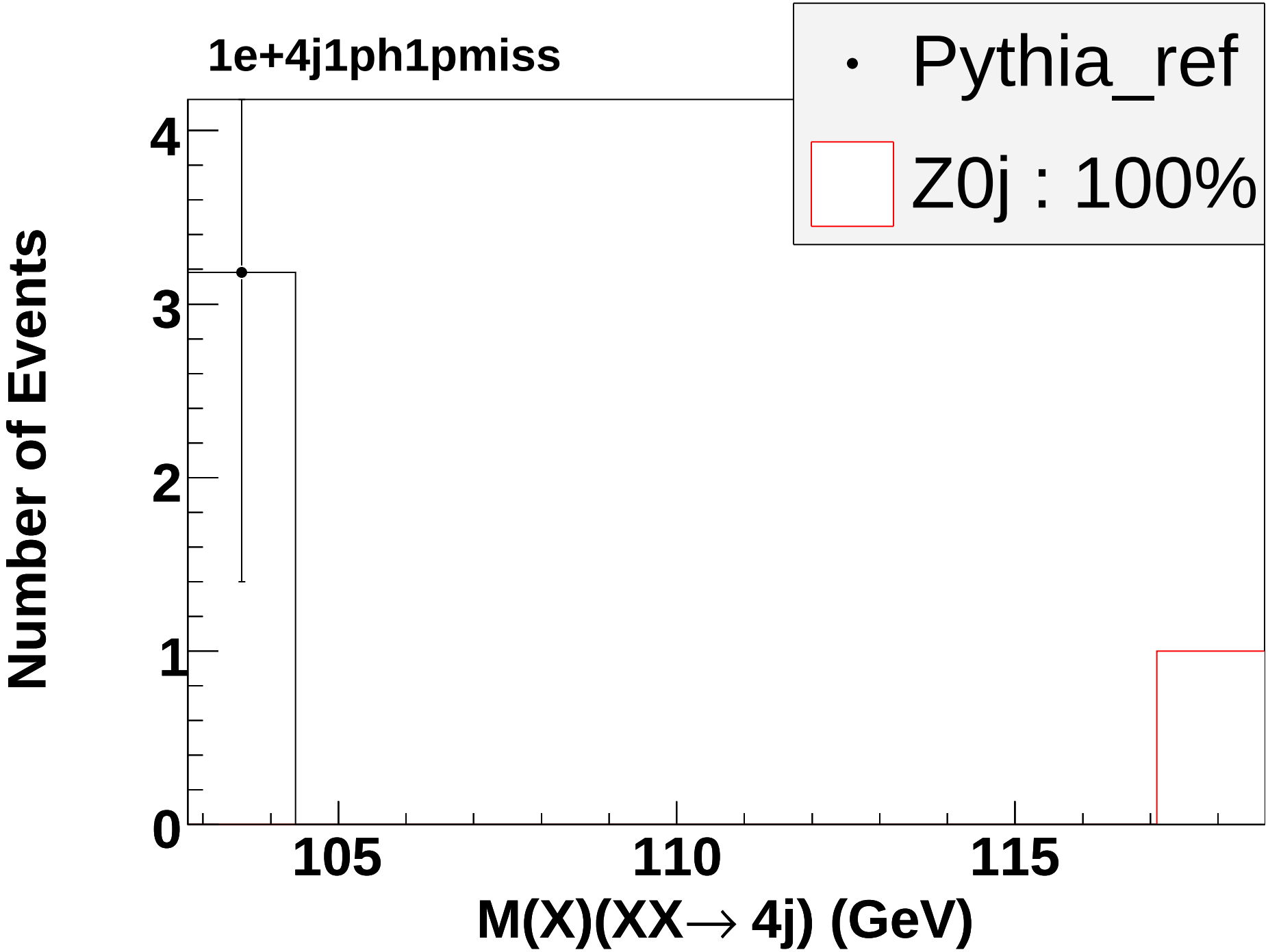

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
220
240
260
280
M(W,j4) (GeV)

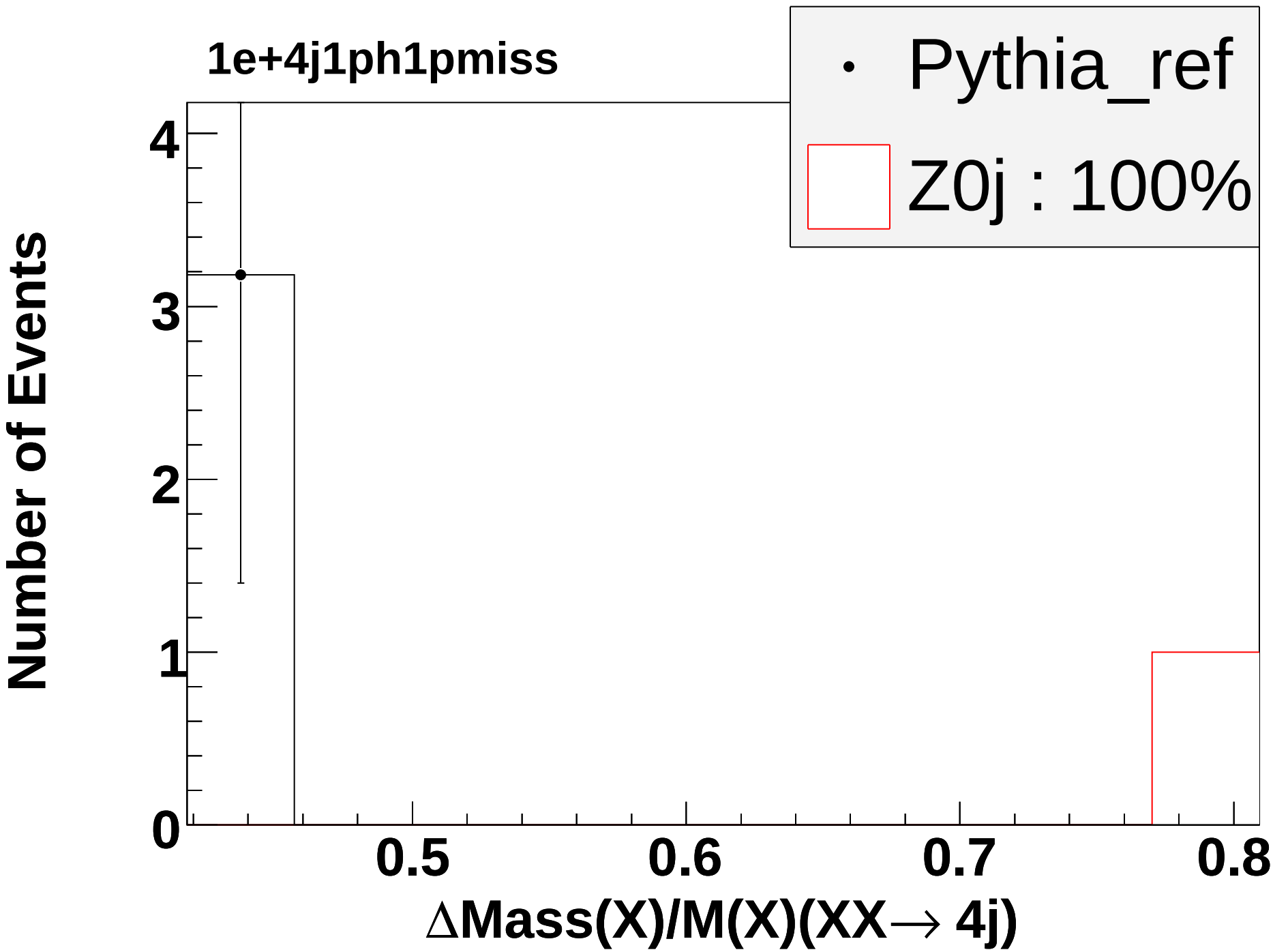

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
500
600
700
800
M(all) (GeV)

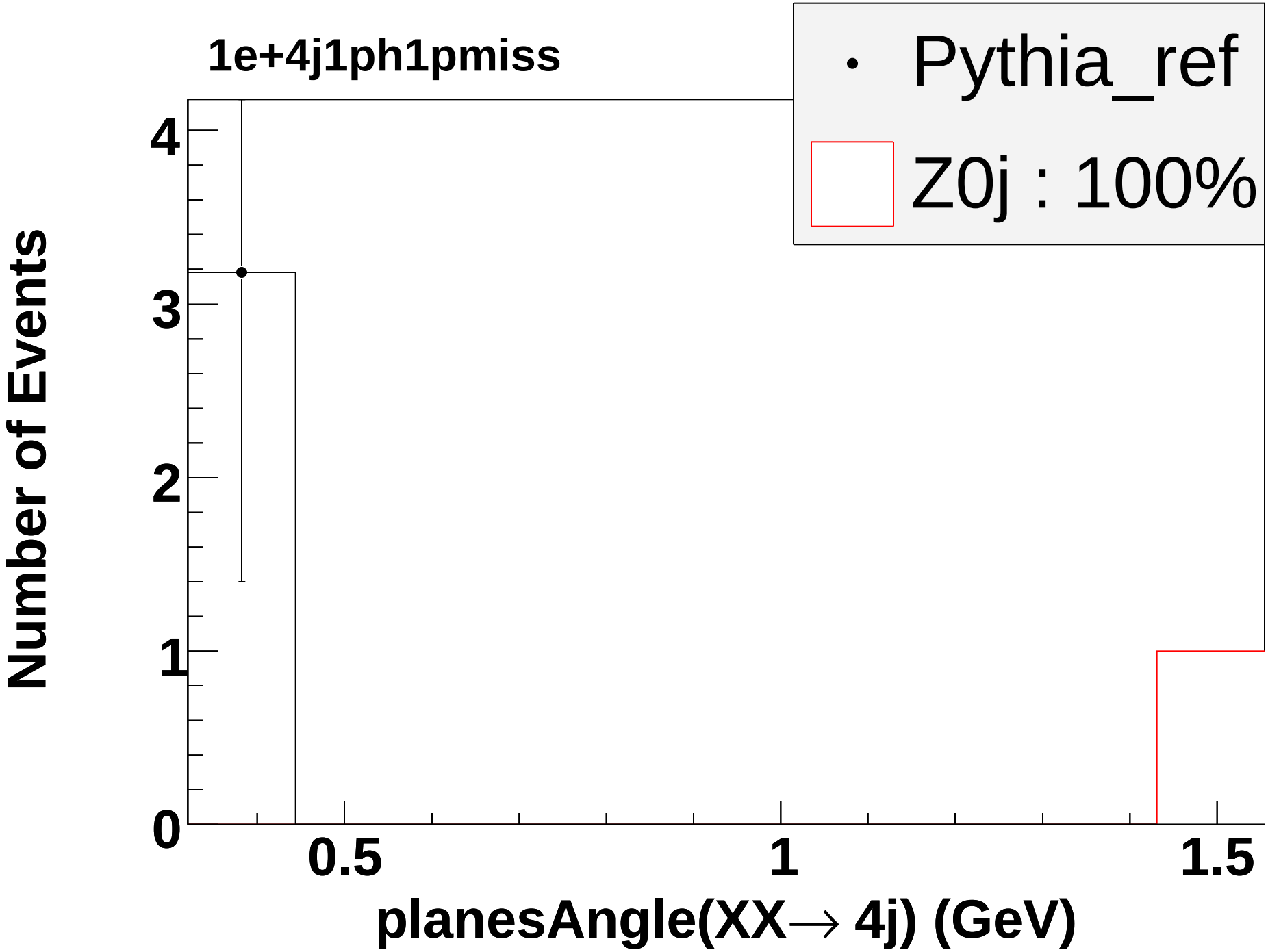

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
60
65
70
W p_T (GeV)

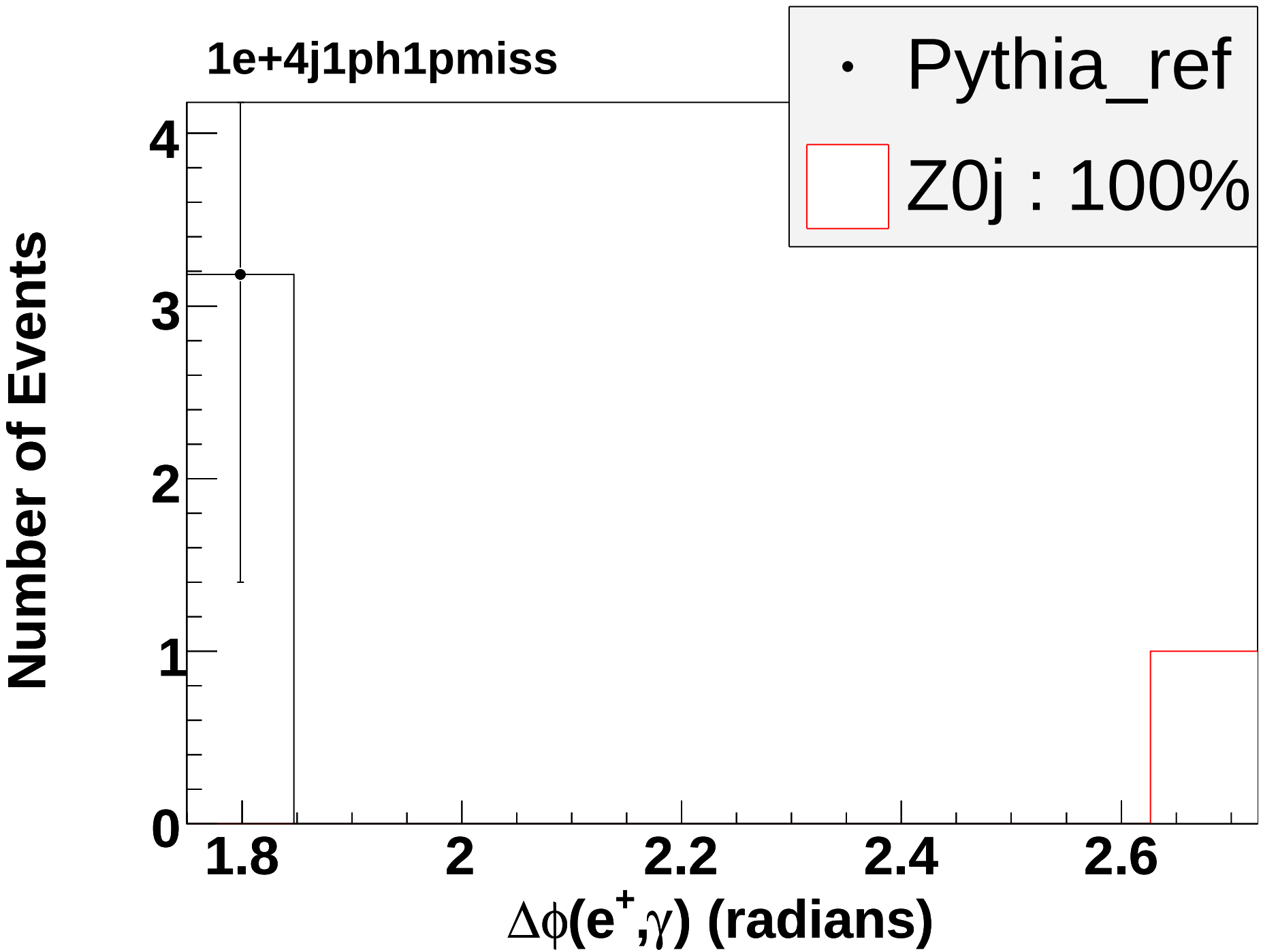

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
-100
-50
0
50
W pz (GeV)

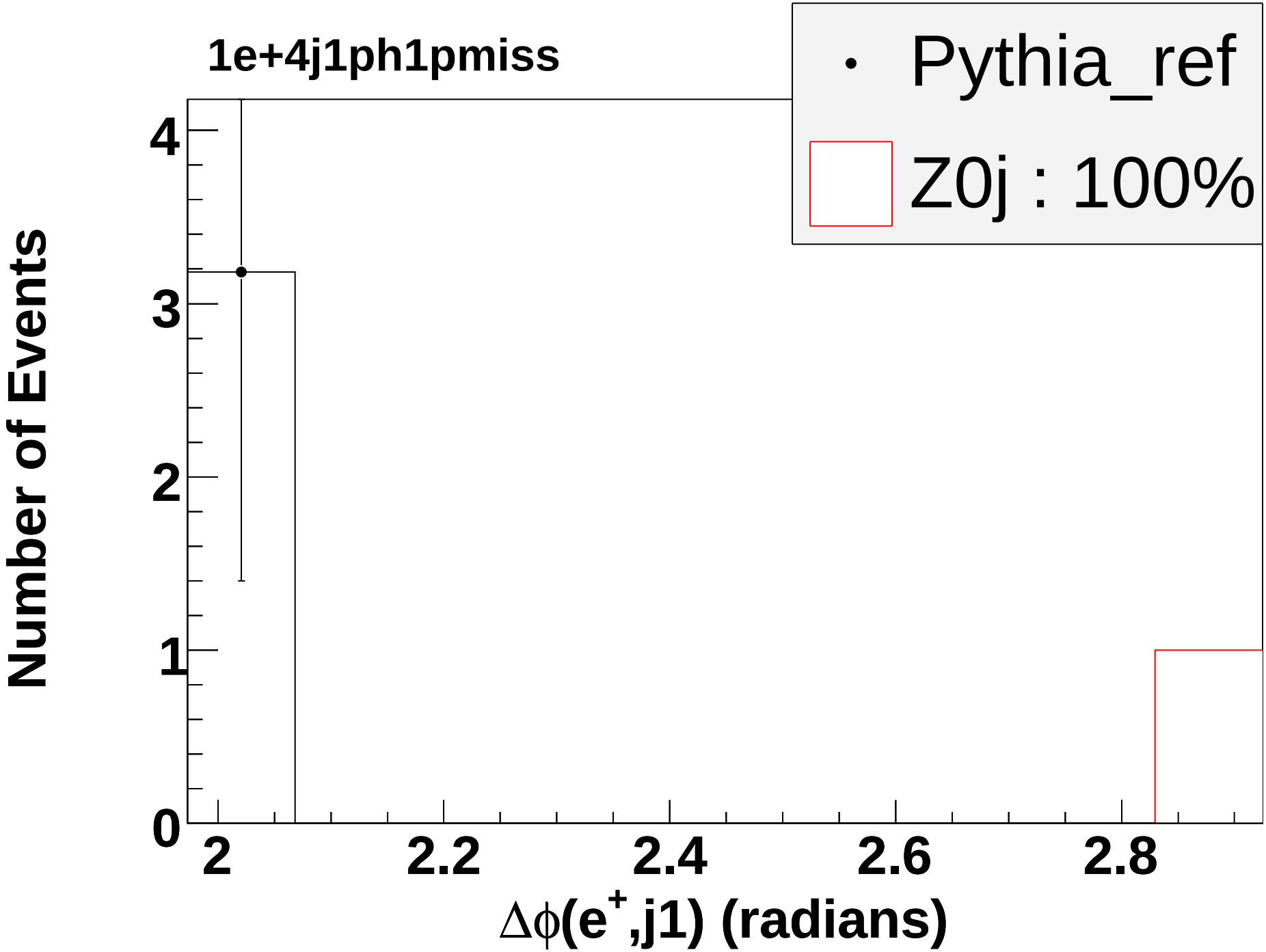

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
60
80
ΔMass(X)(XX→ 4j) (GeV)

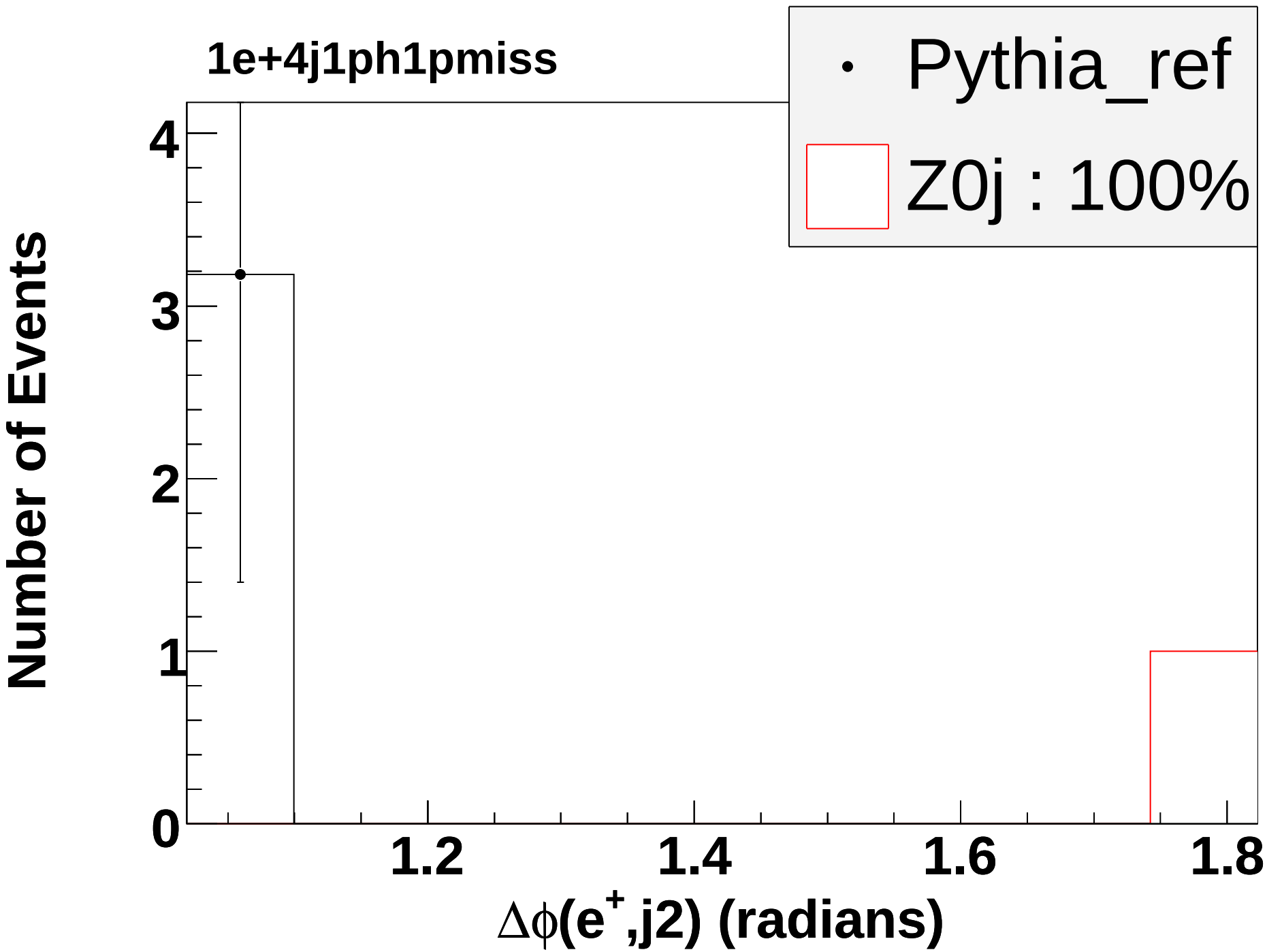

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
105
110
115
M(X)(XX→ 4j) (GeV)

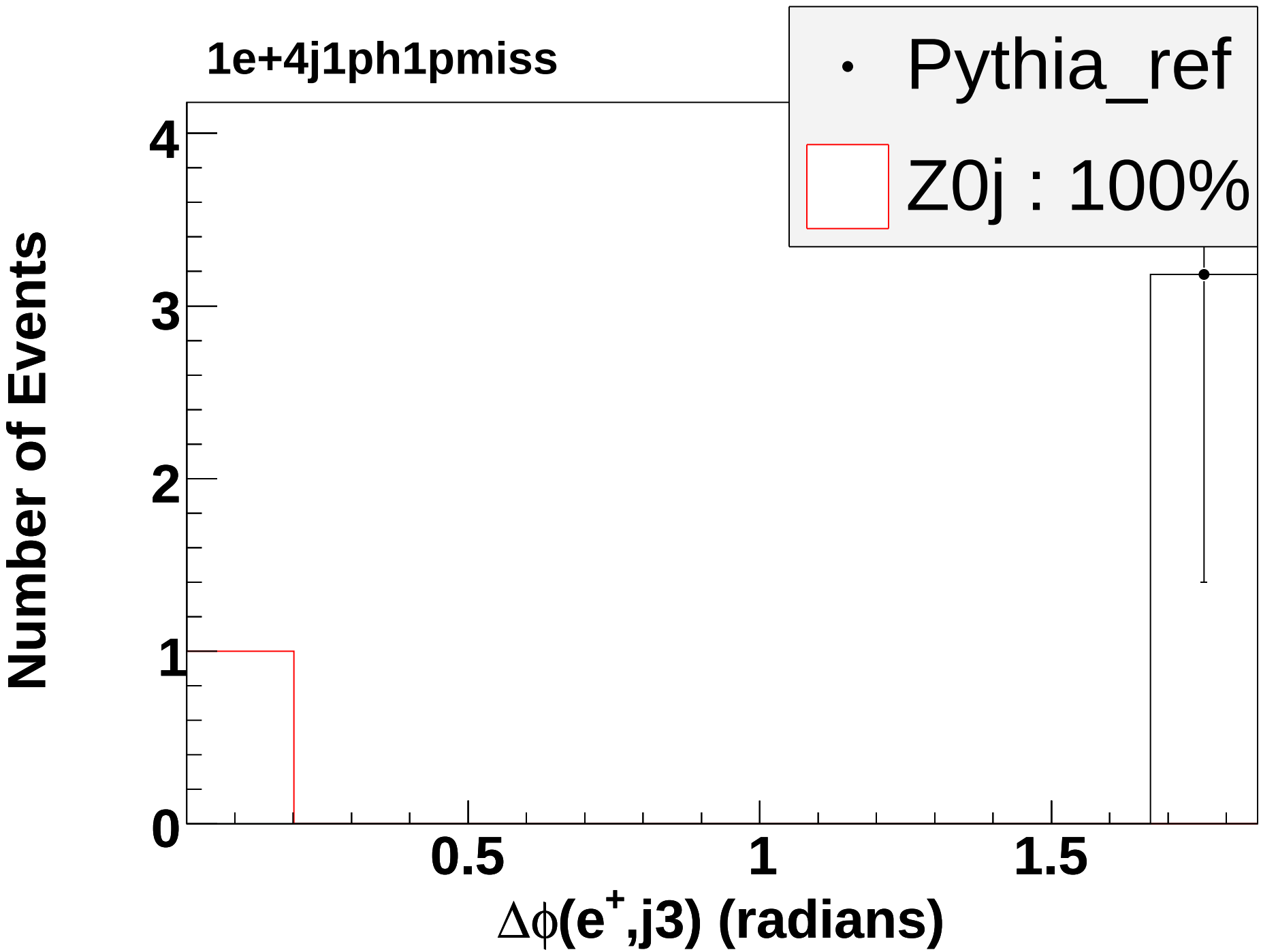

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
0.5
0.6
0.7
0.8
ΔMass(X)/M(X)(XX→ 4j)

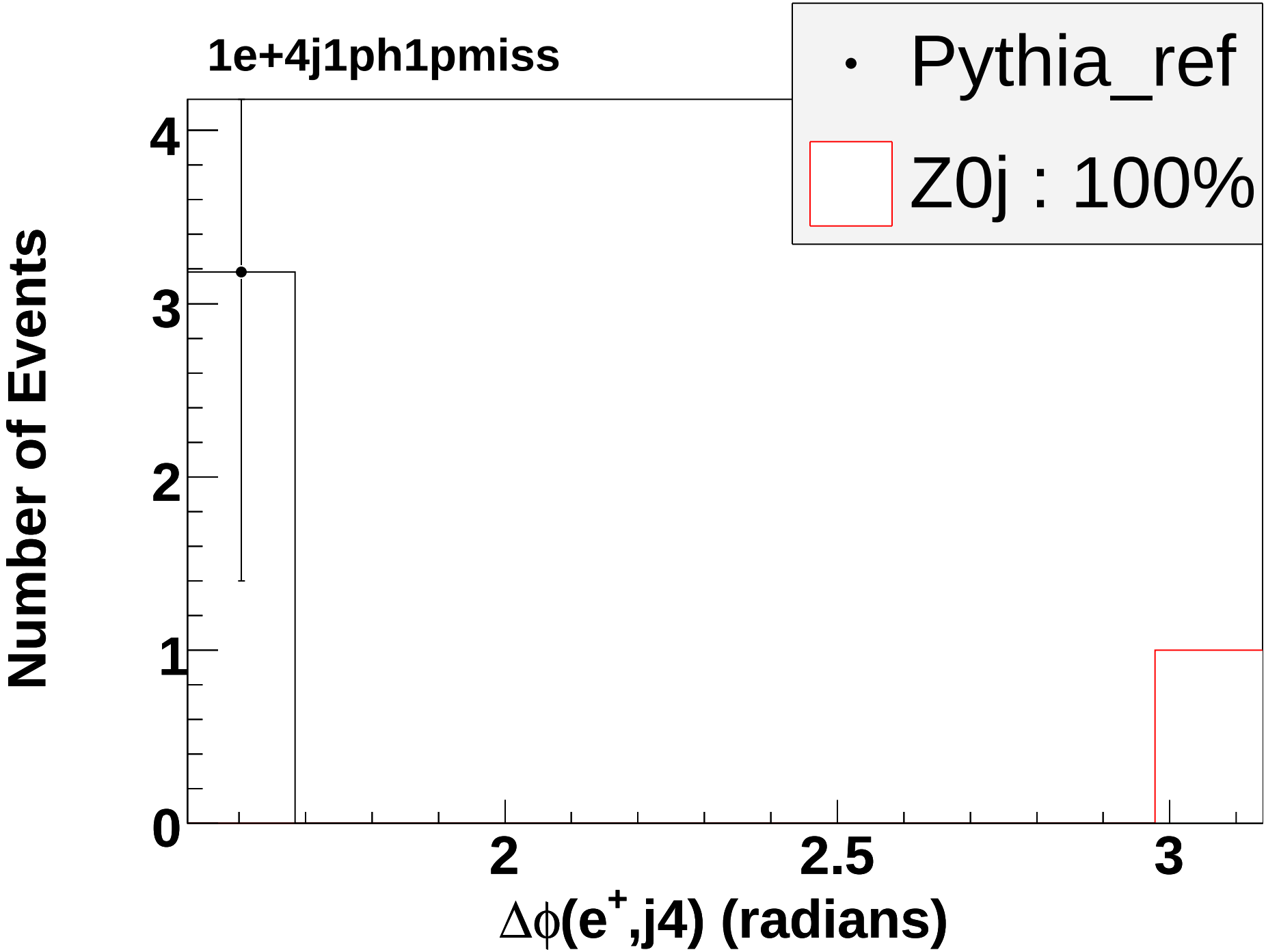

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
0.5
1
1.5
planesAngle(XX→ 4j) (GeV)

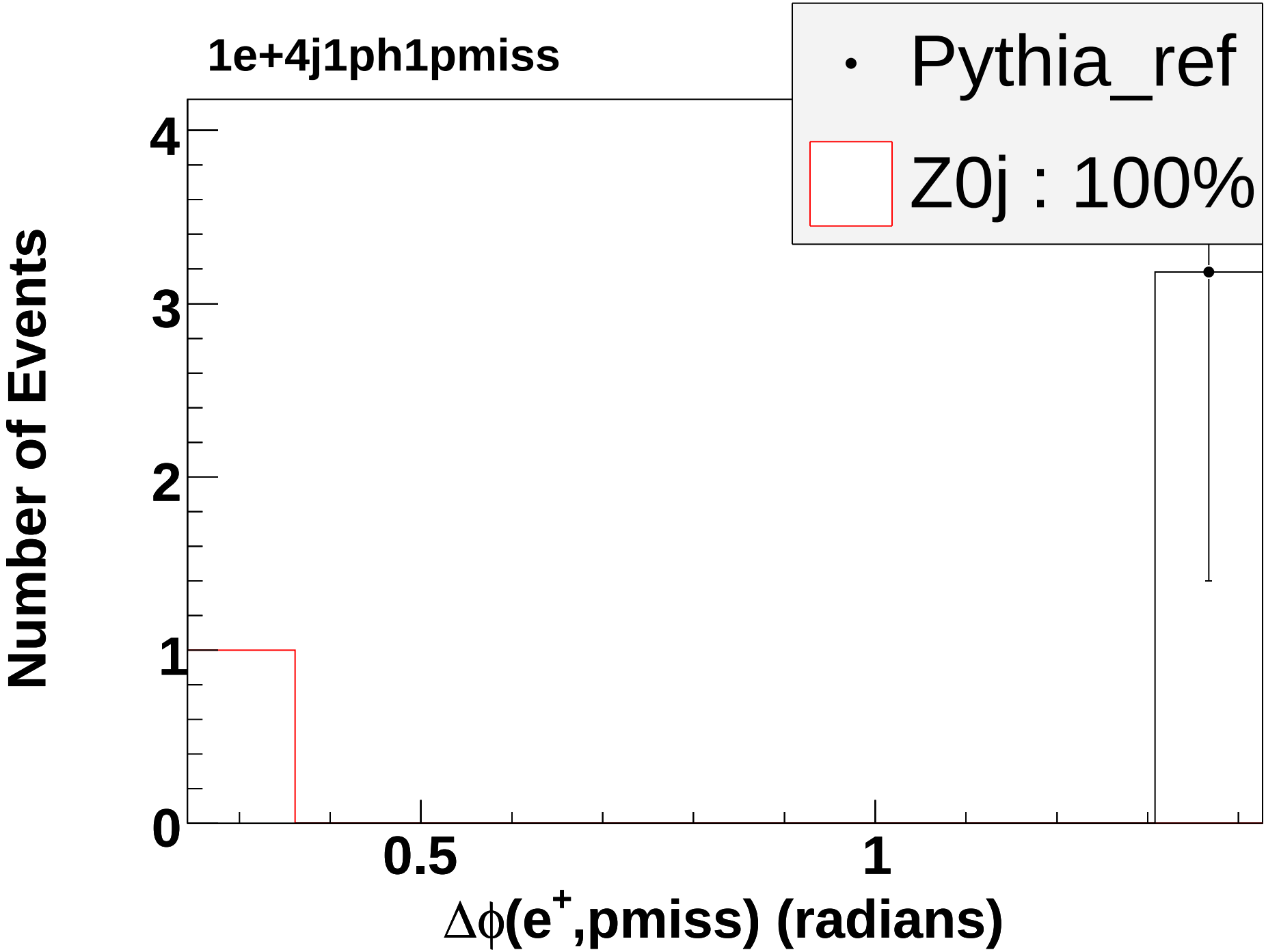

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
1.8
2
2.2
2.4
2.6
Δφ(e+,γ) (radians)

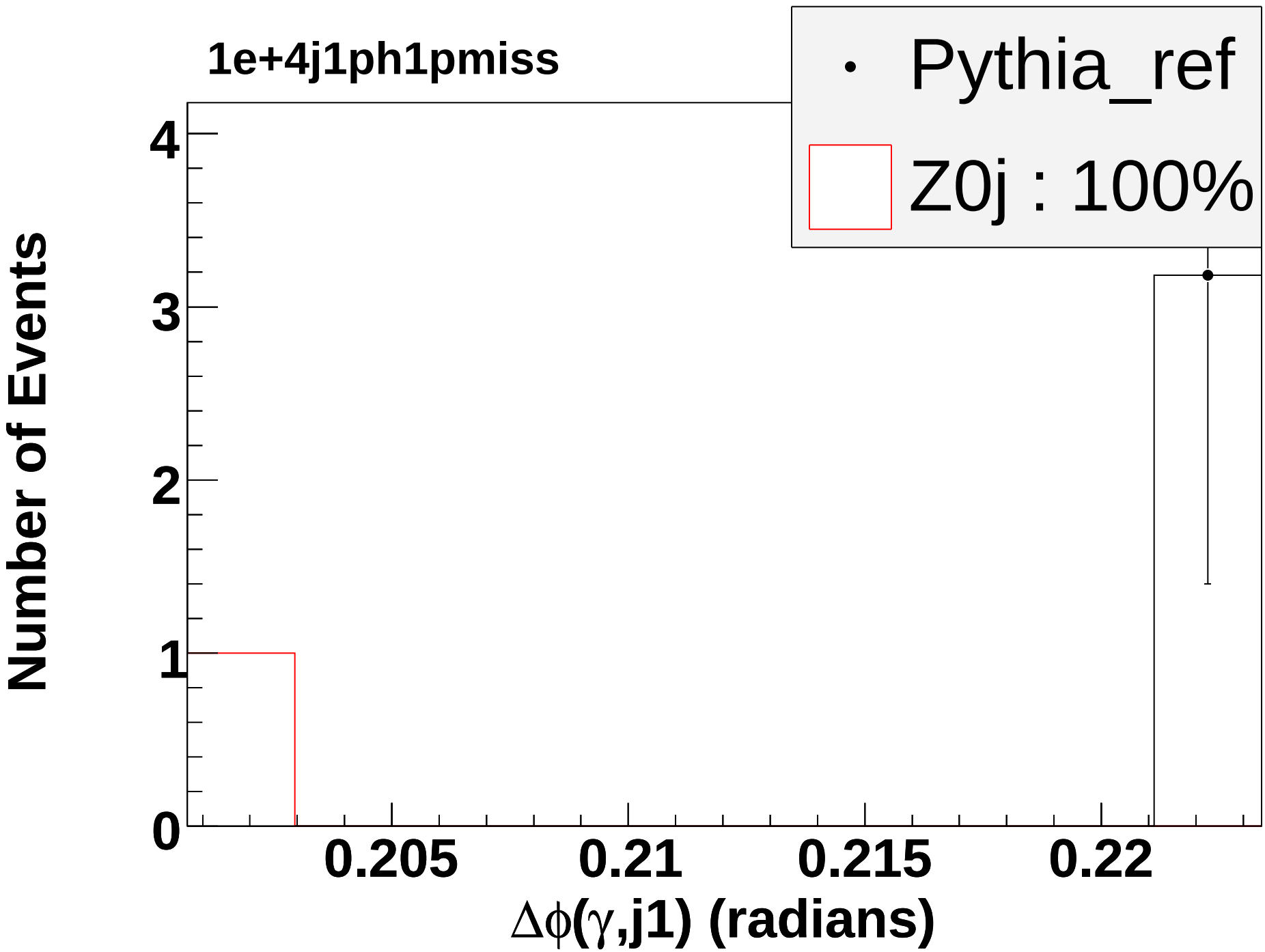

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
2
2.2
2.4
2.6
2.8
Δϕ(e+,j1) (radians)

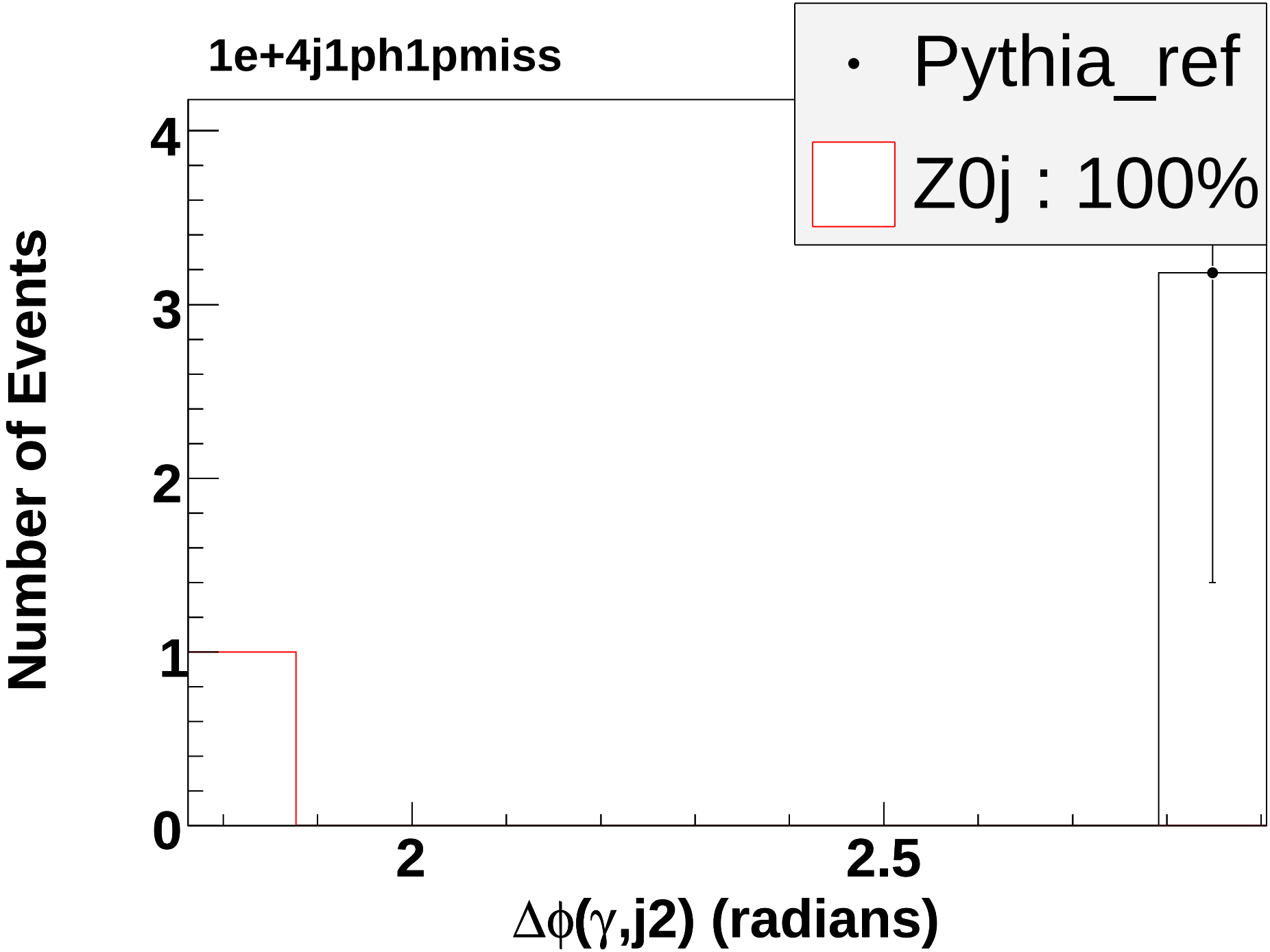

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
1.2
1.4
1.6
1.8
Δϕ(e+,j2) (radians)

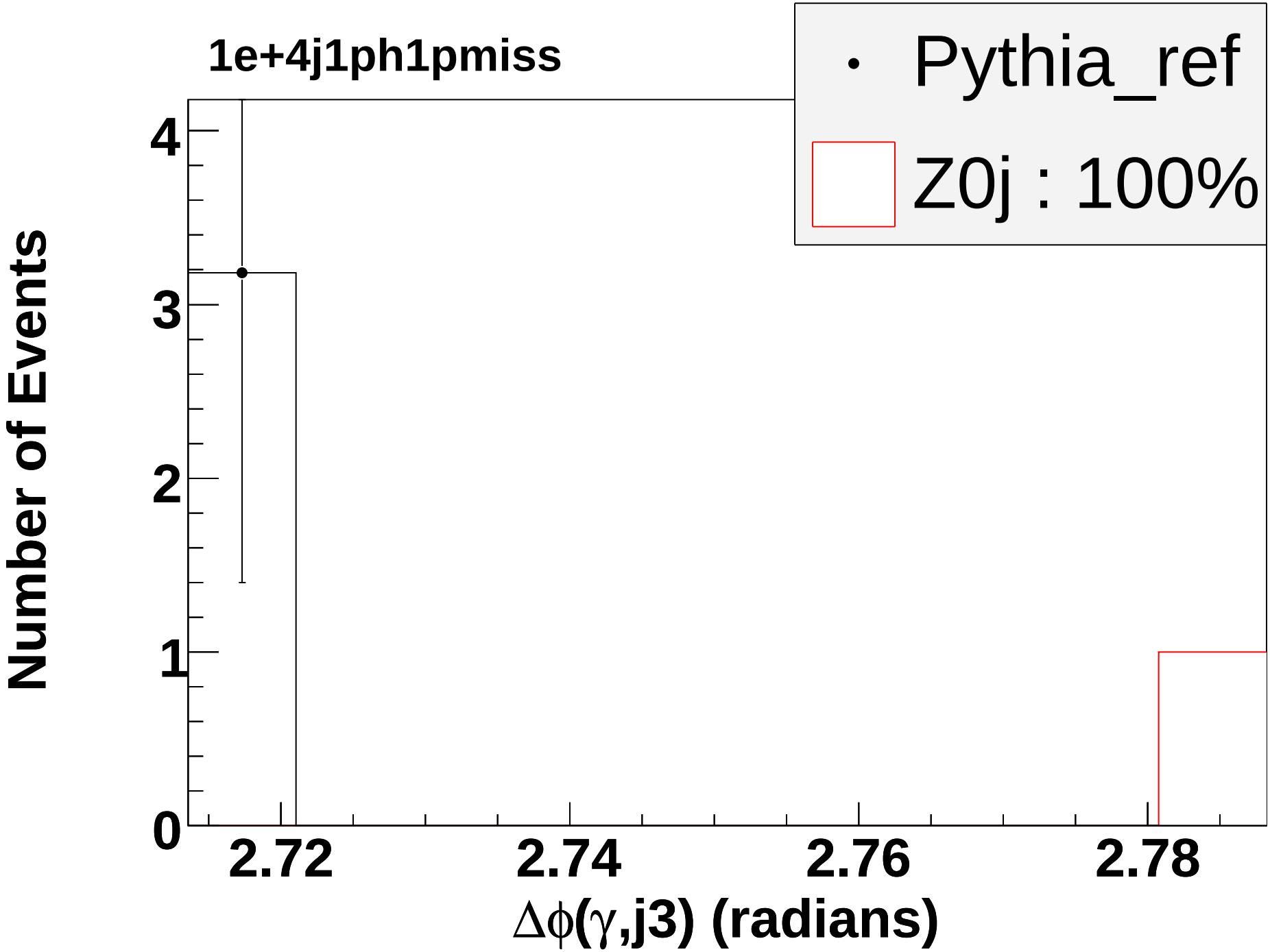

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
0.5
1
1.5
Δϕ(e+,j3) (radians)

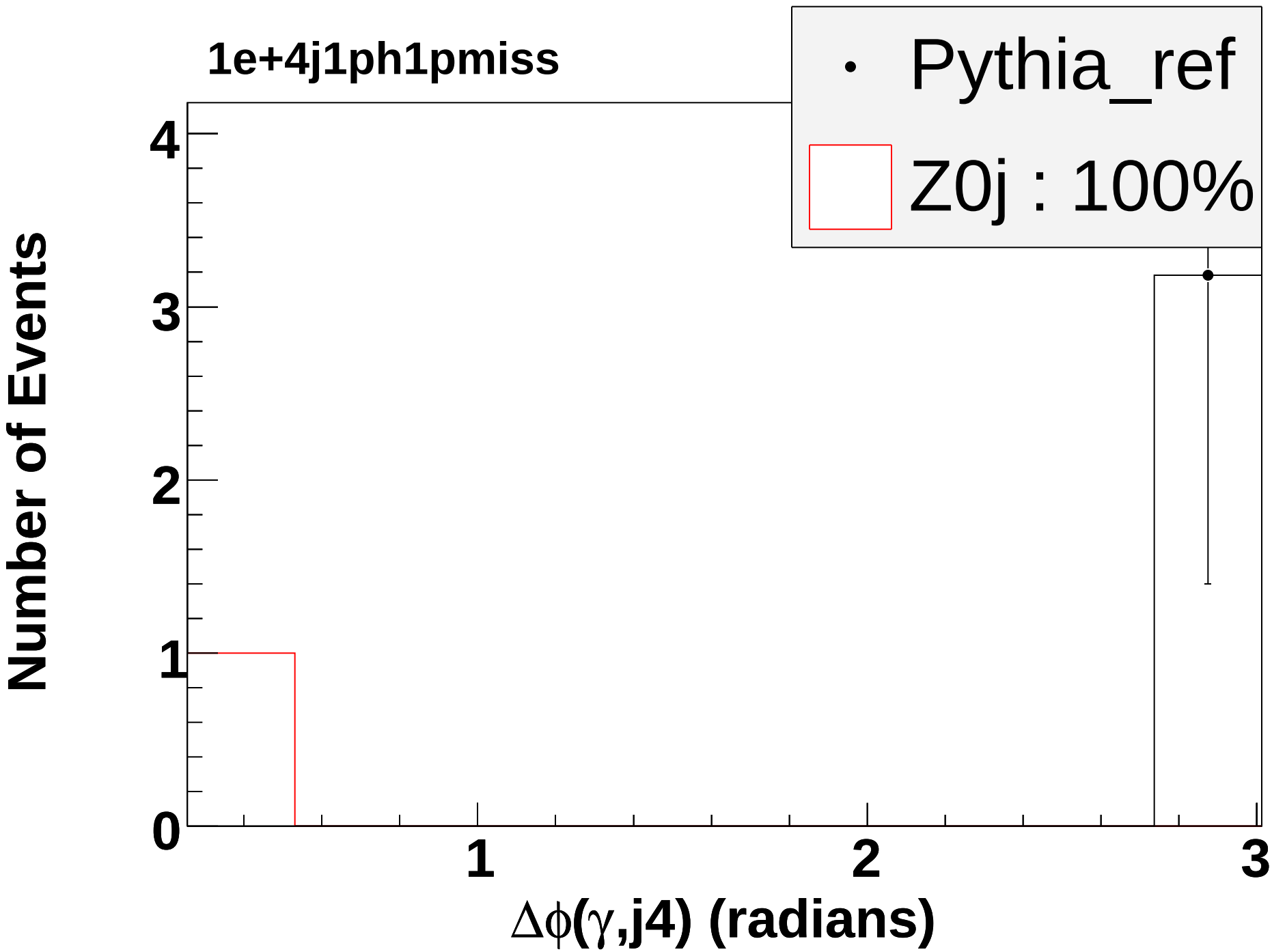

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
2
2.5
3
Δϕ(e+,j4) (radians)

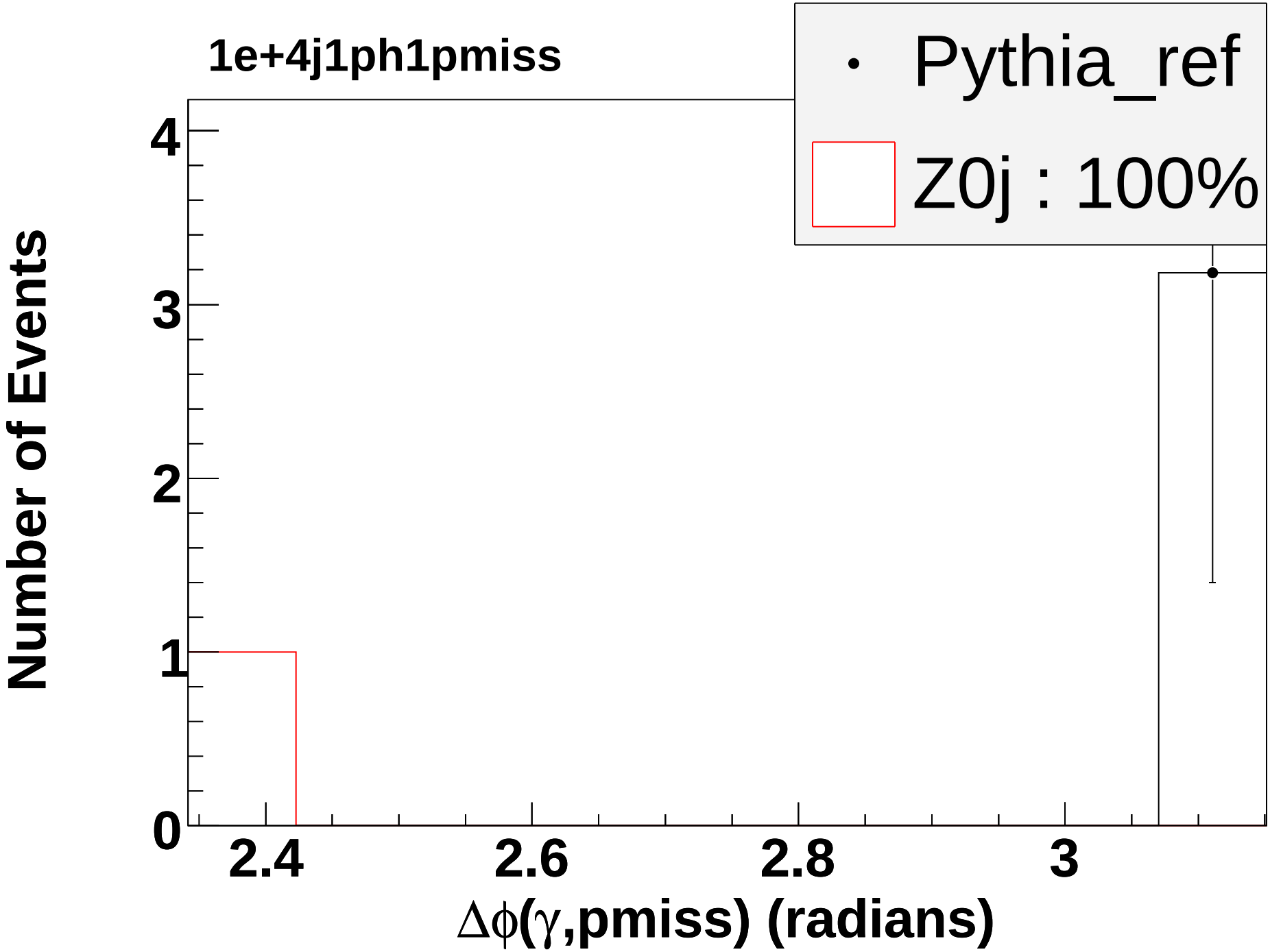

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
0.5
1
Δϕ(e+,pmiss) (radians)

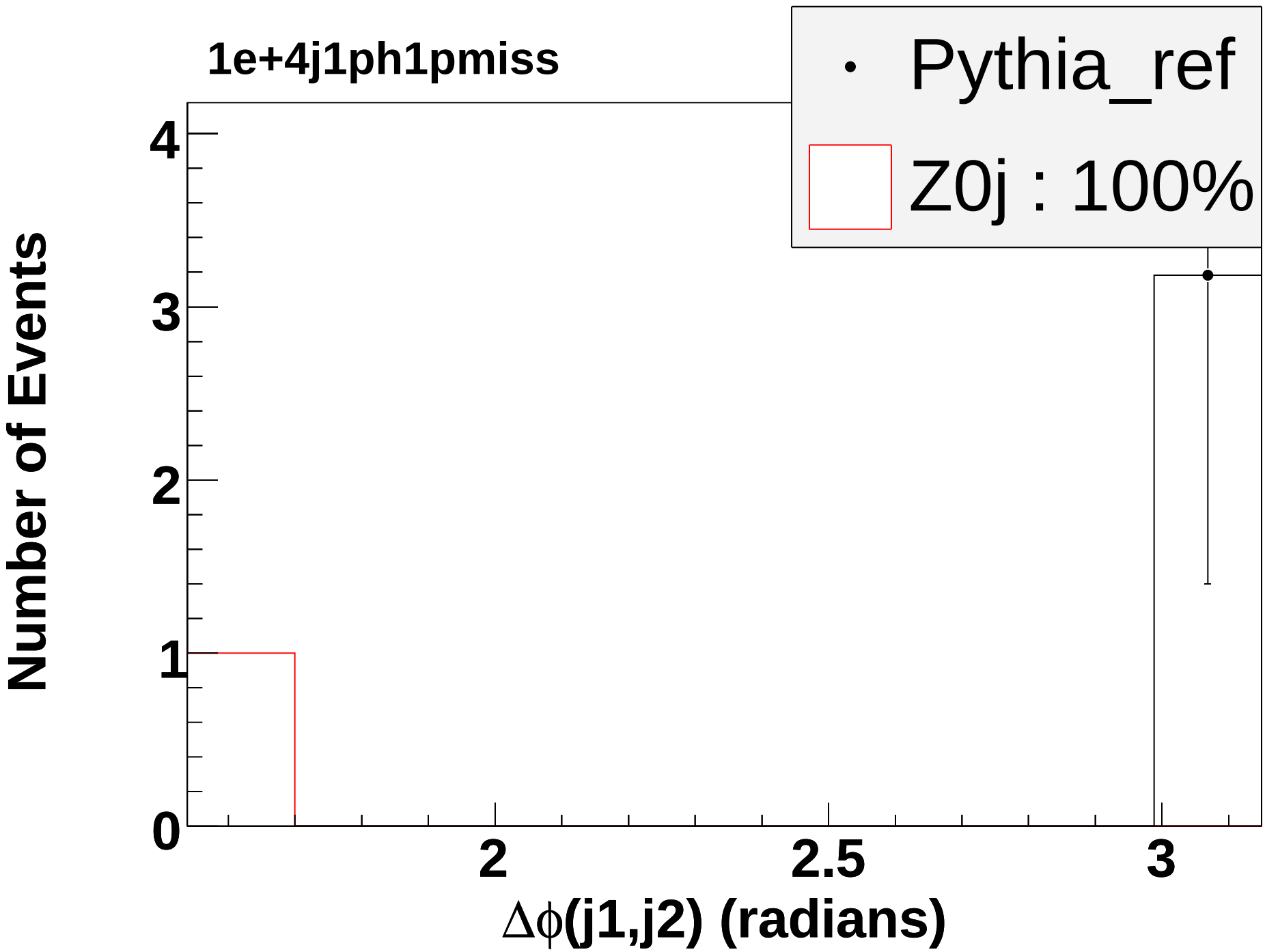

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
0.205
0.21
0.215
0.22
Δϕ(γ,j1) (radians)

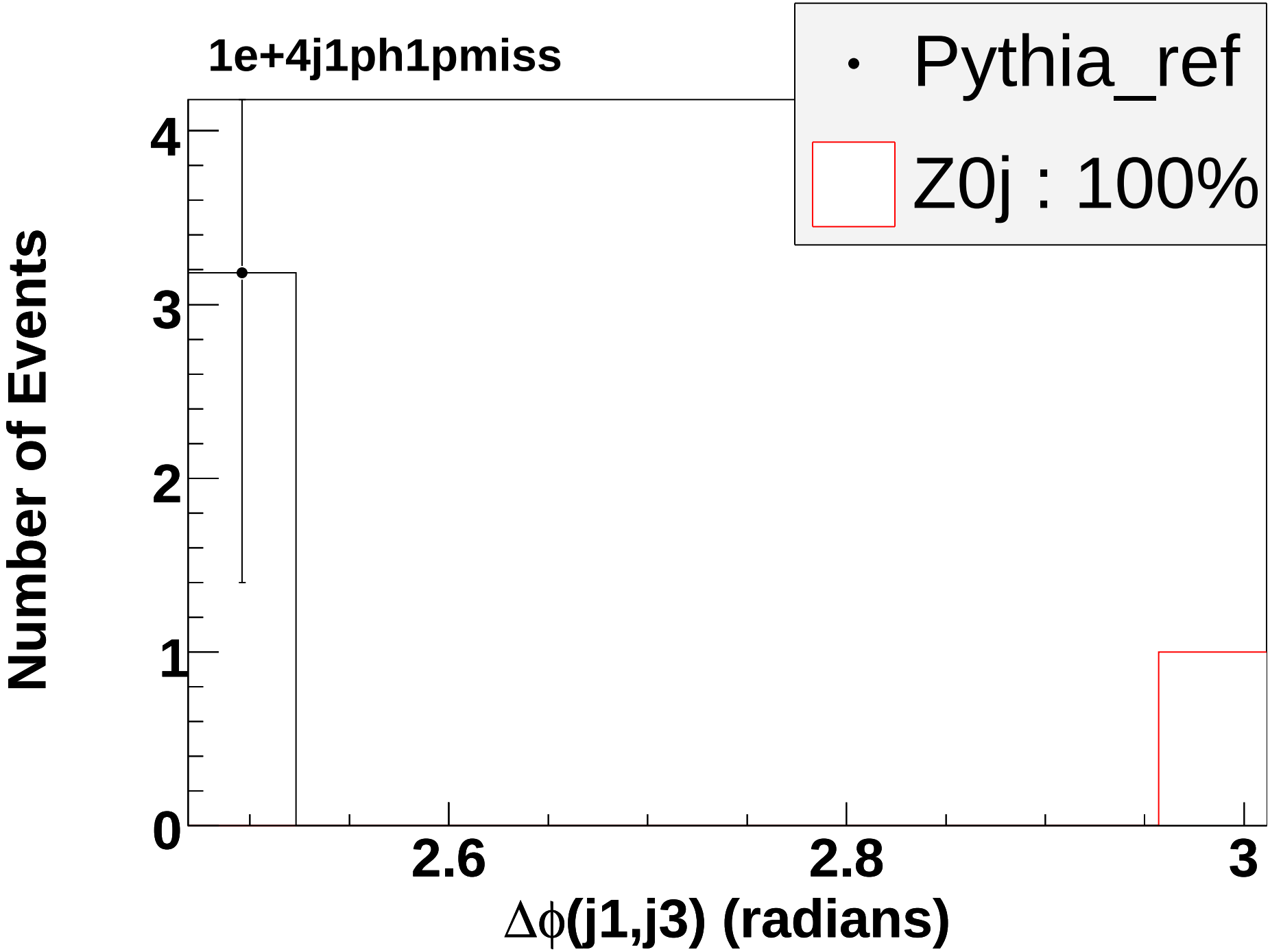

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
2
2.5
Δϕ(γ,j2) (radians)

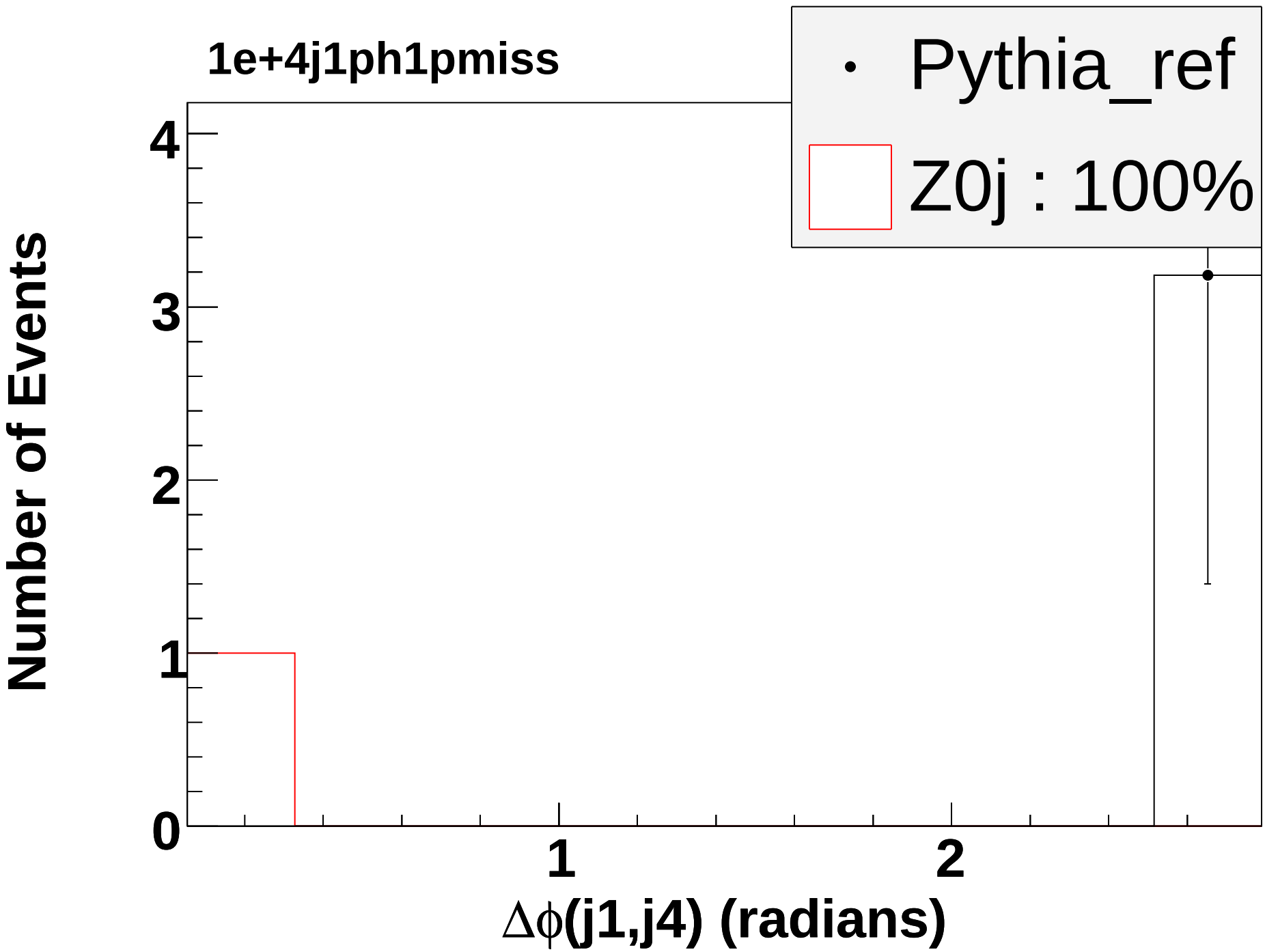

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
2.72
2.74
2.76
2.78
Δϕ(γ,j3) (radians)

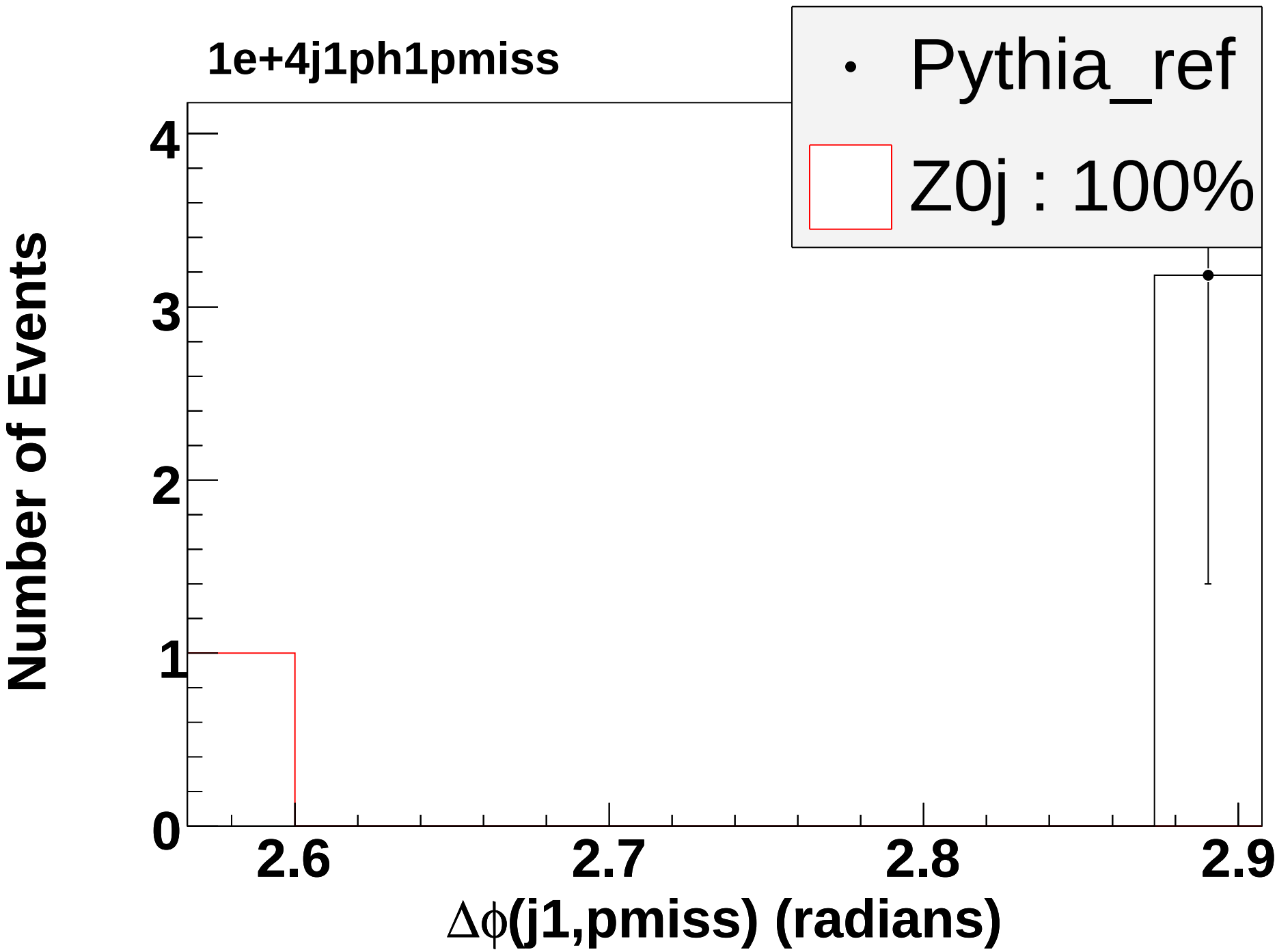

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
1
2
3
Δϕ(γ,j4) (radians)

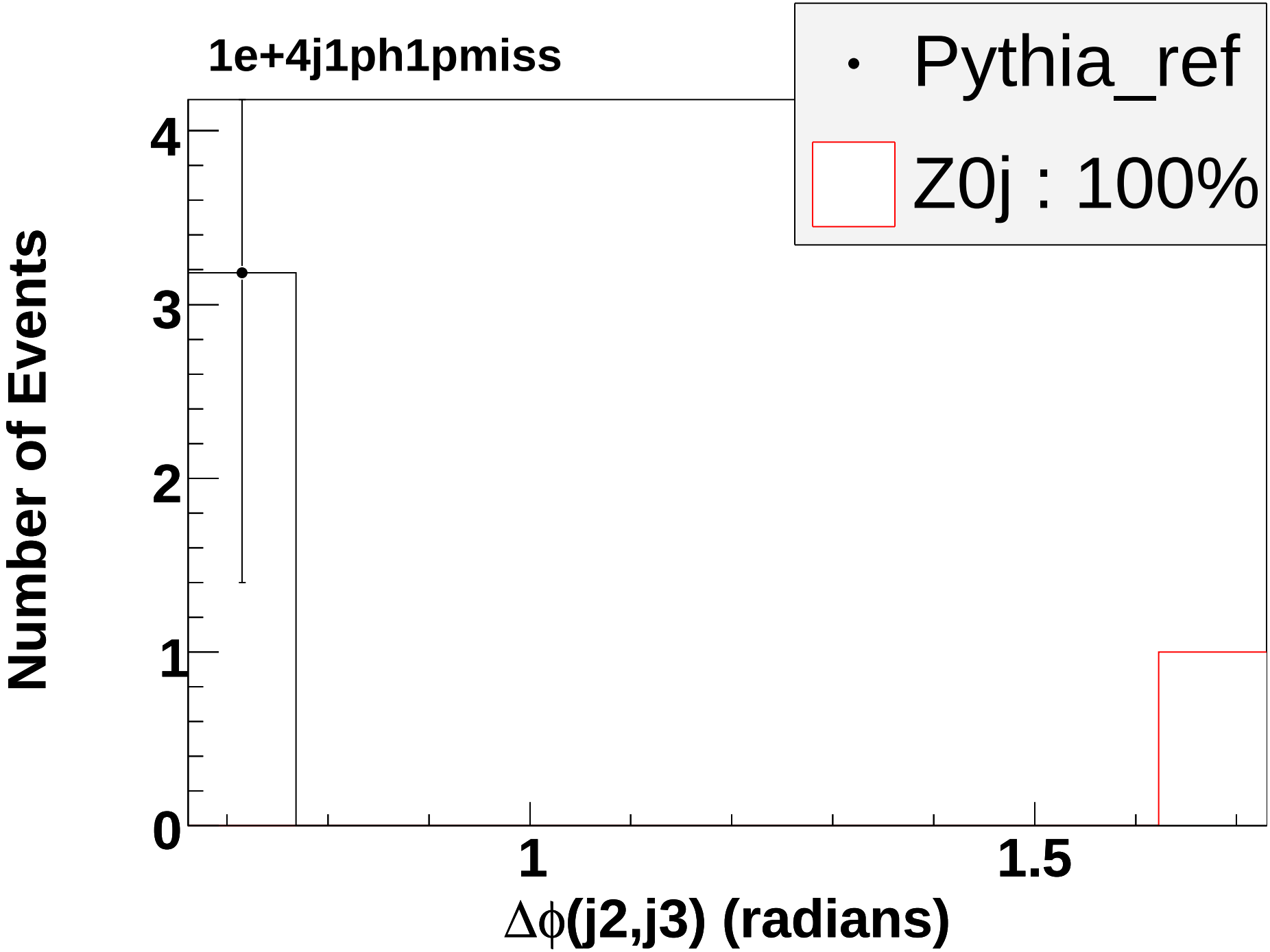

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
2.4
2.6
2.8
3
Δϕ(γ,pmiss) (radians)

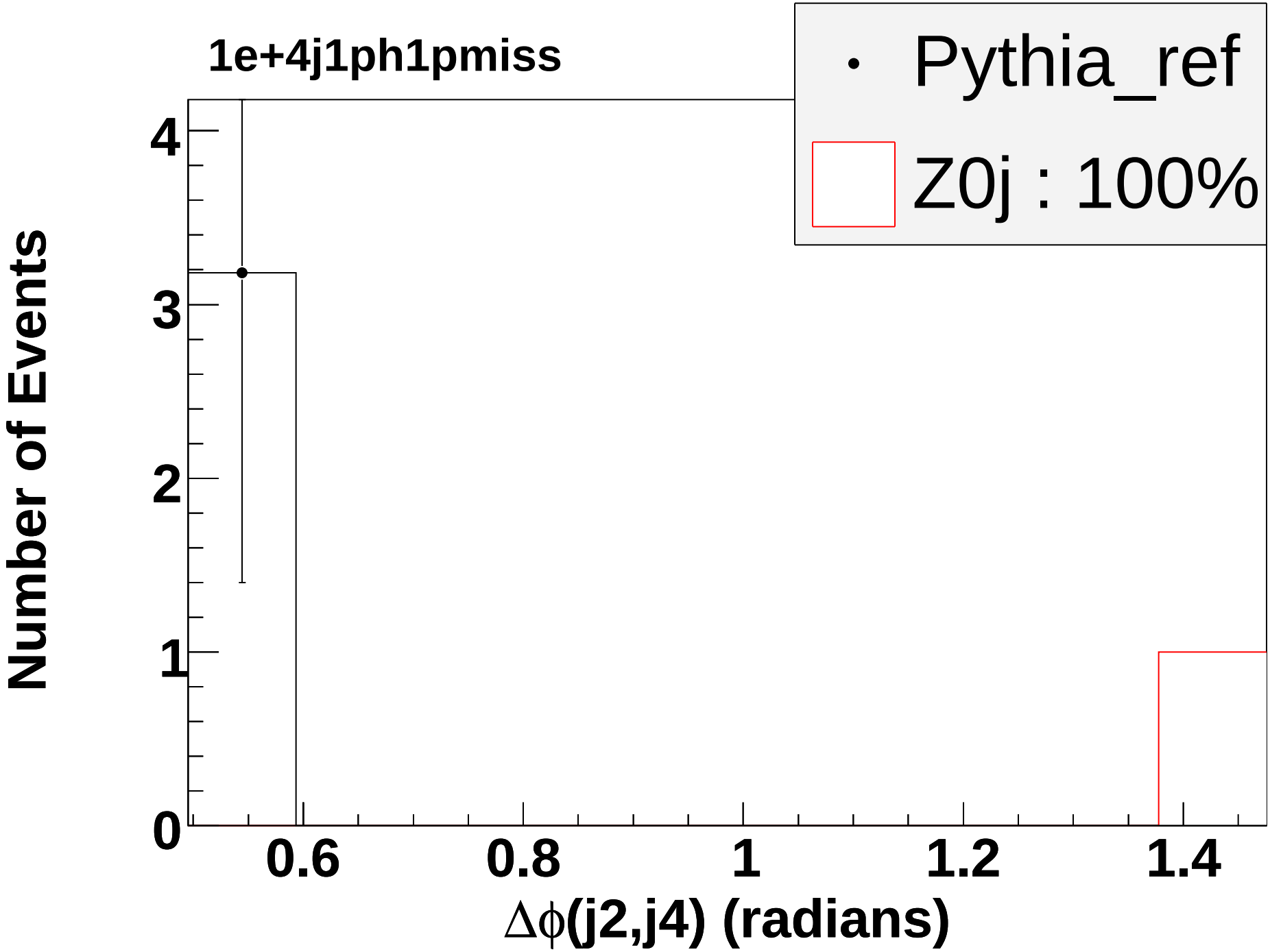

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
2
2.5
3
Δϕ(j1,j2) (radians)

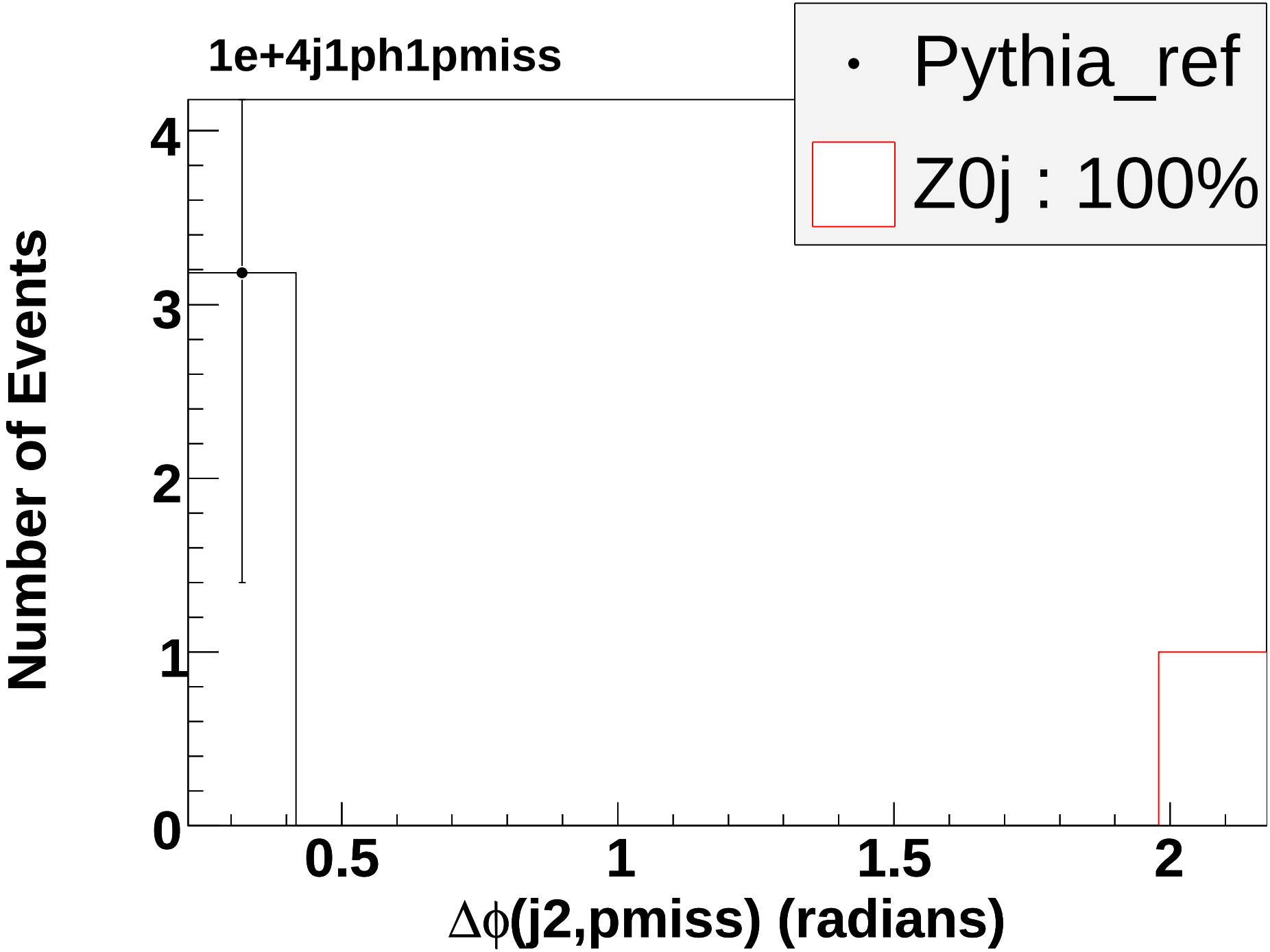

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
2.6
2.8
3
Δϕ(j1,j3) (radians)

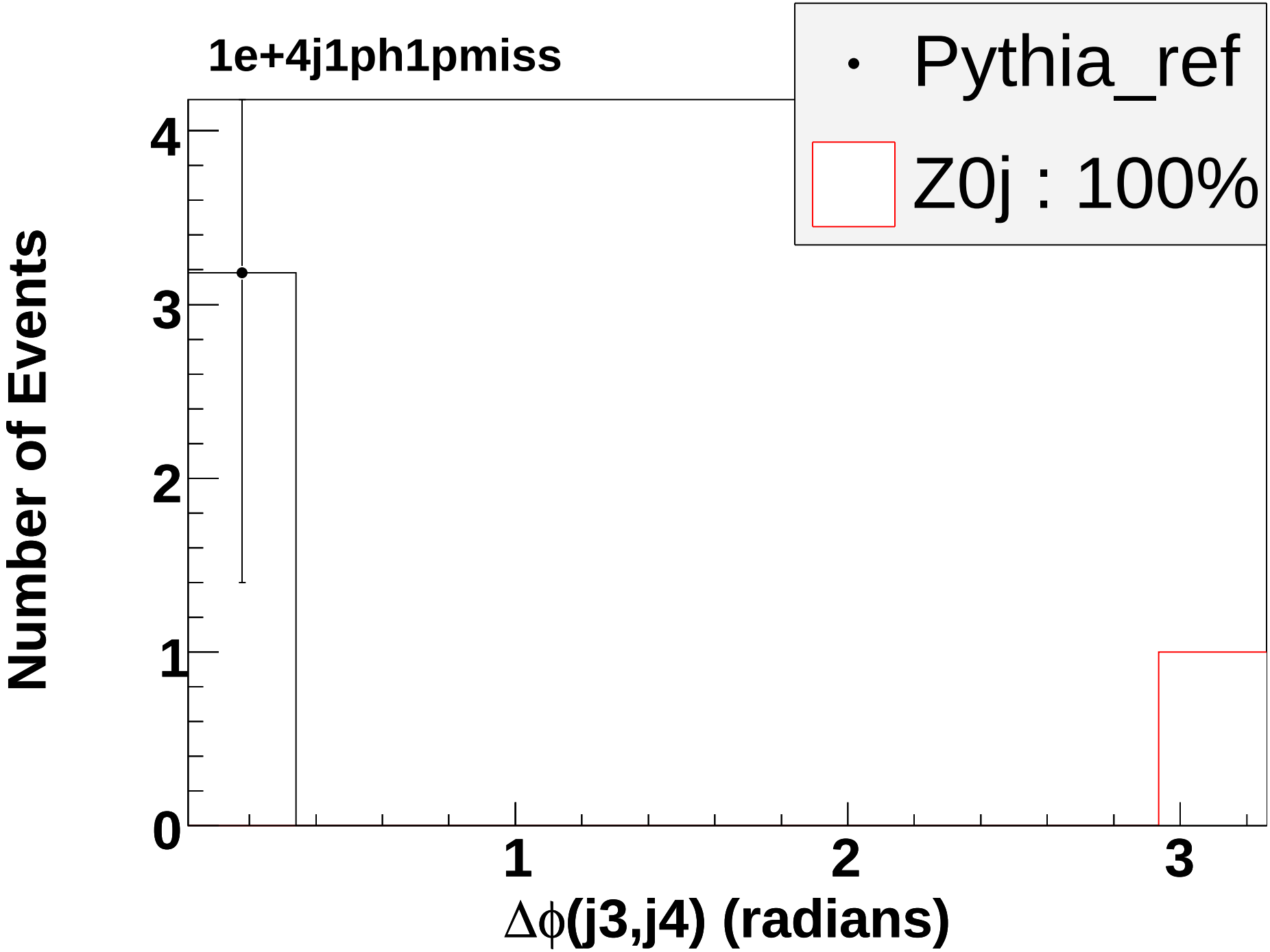

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
1
2
Δϕ(j1,j4) (radians)

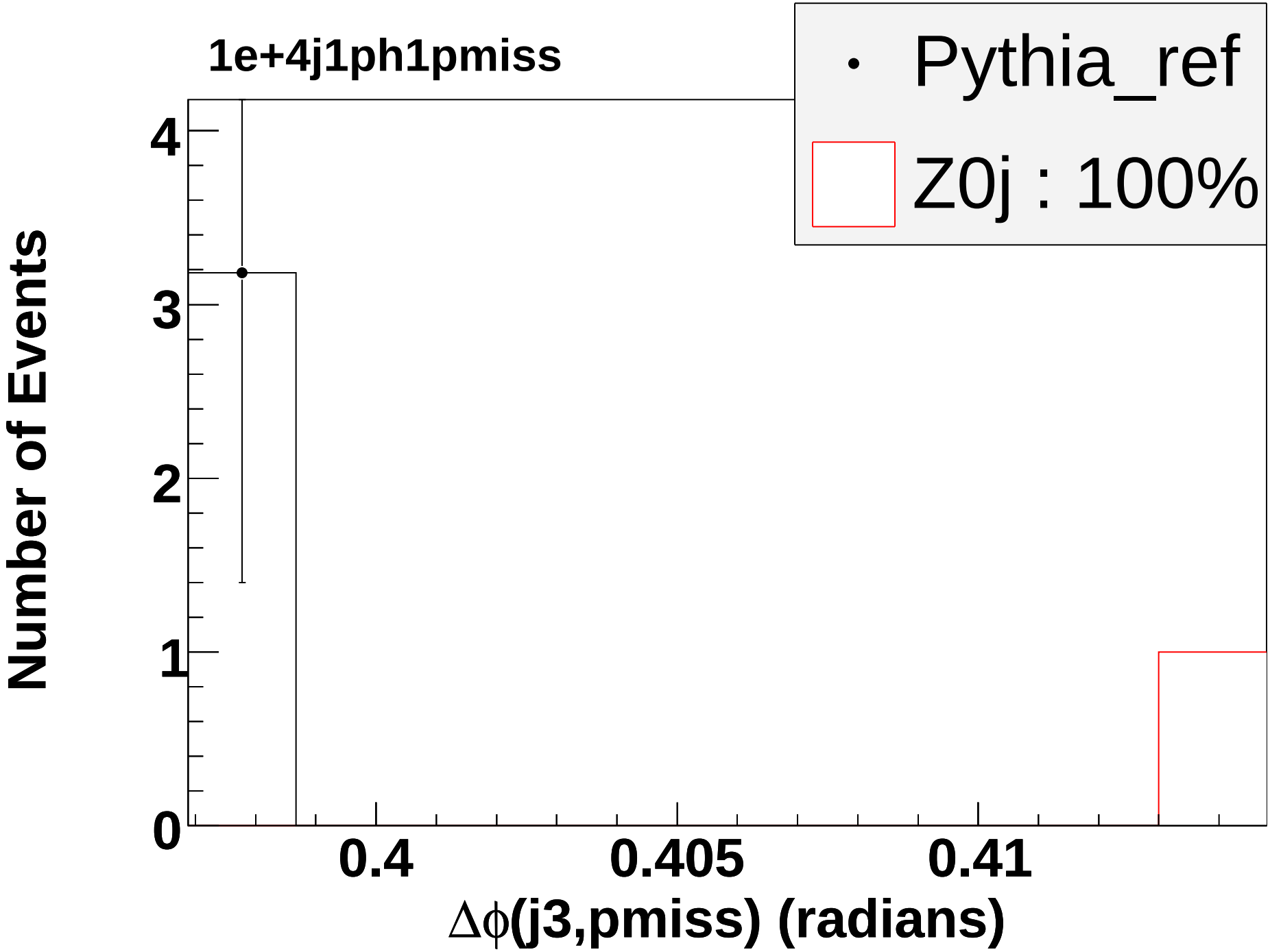

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
2.6
2.7
2.8
2.9
Δϕ(j1,pmiss) (radians)

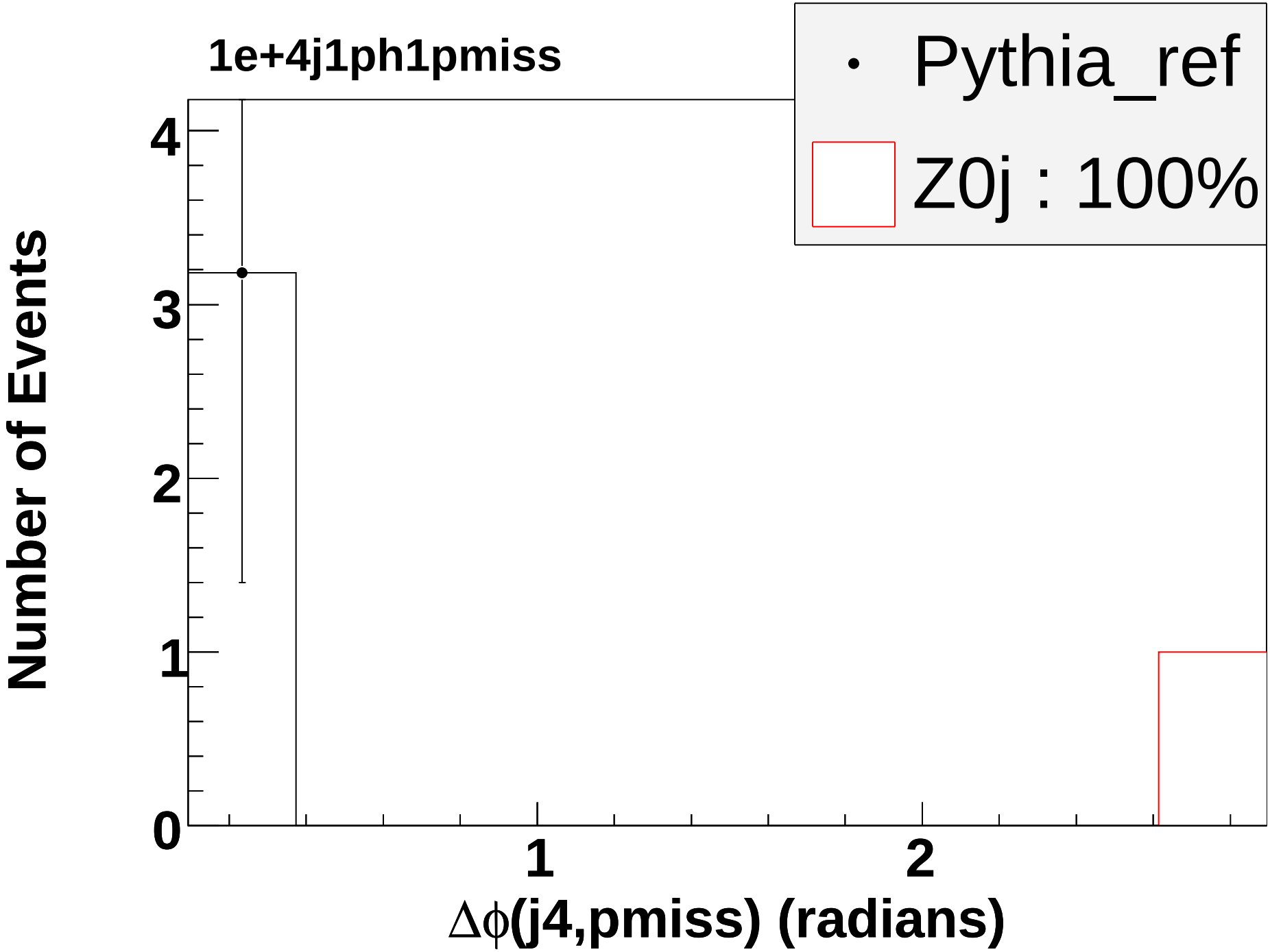

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
1
1.5
Δϕ(j2,j3) (radians)

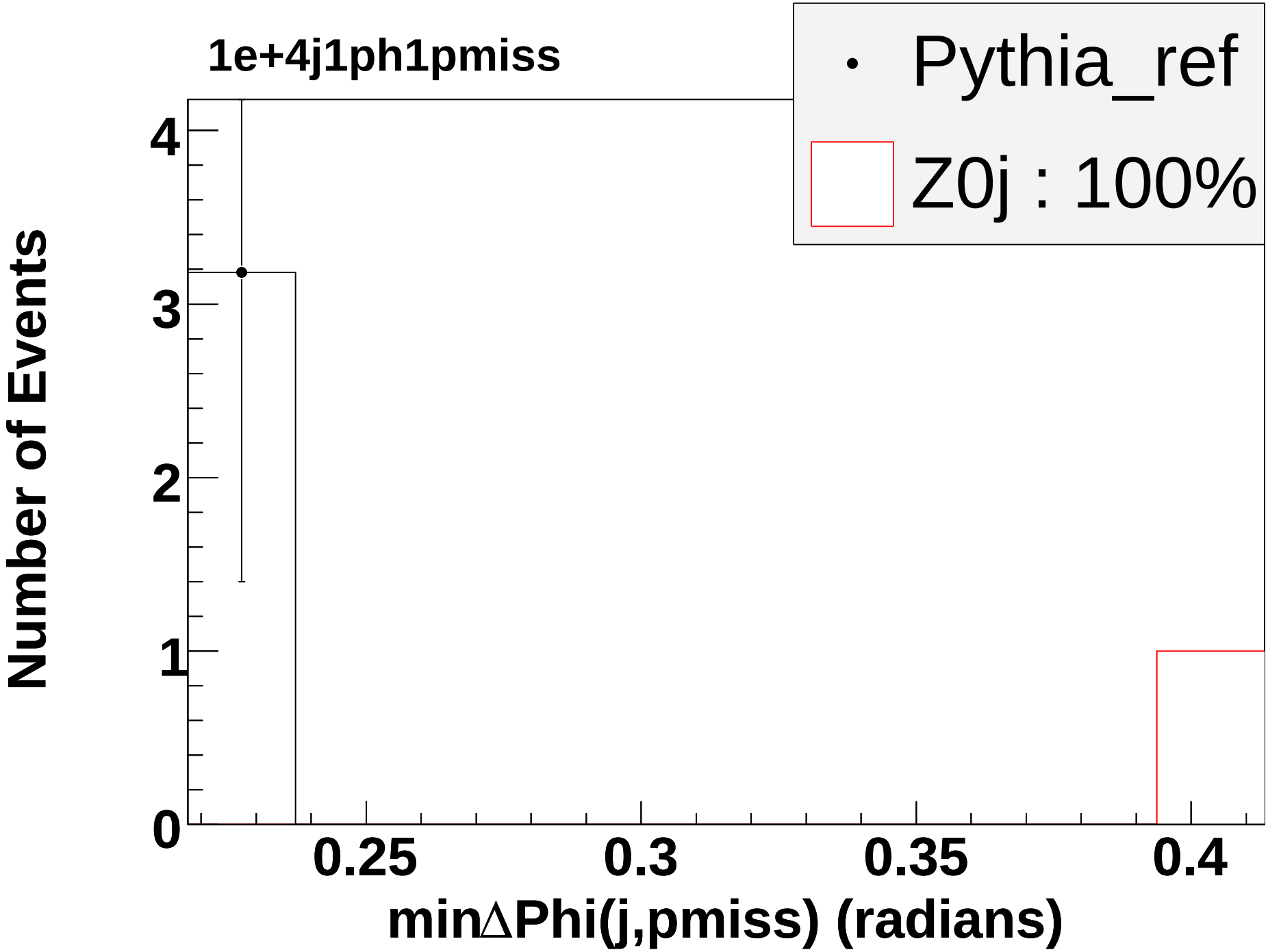

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
0.6
0.8
1
1.2
1.4
Δϕ(j2,j4) (radians)

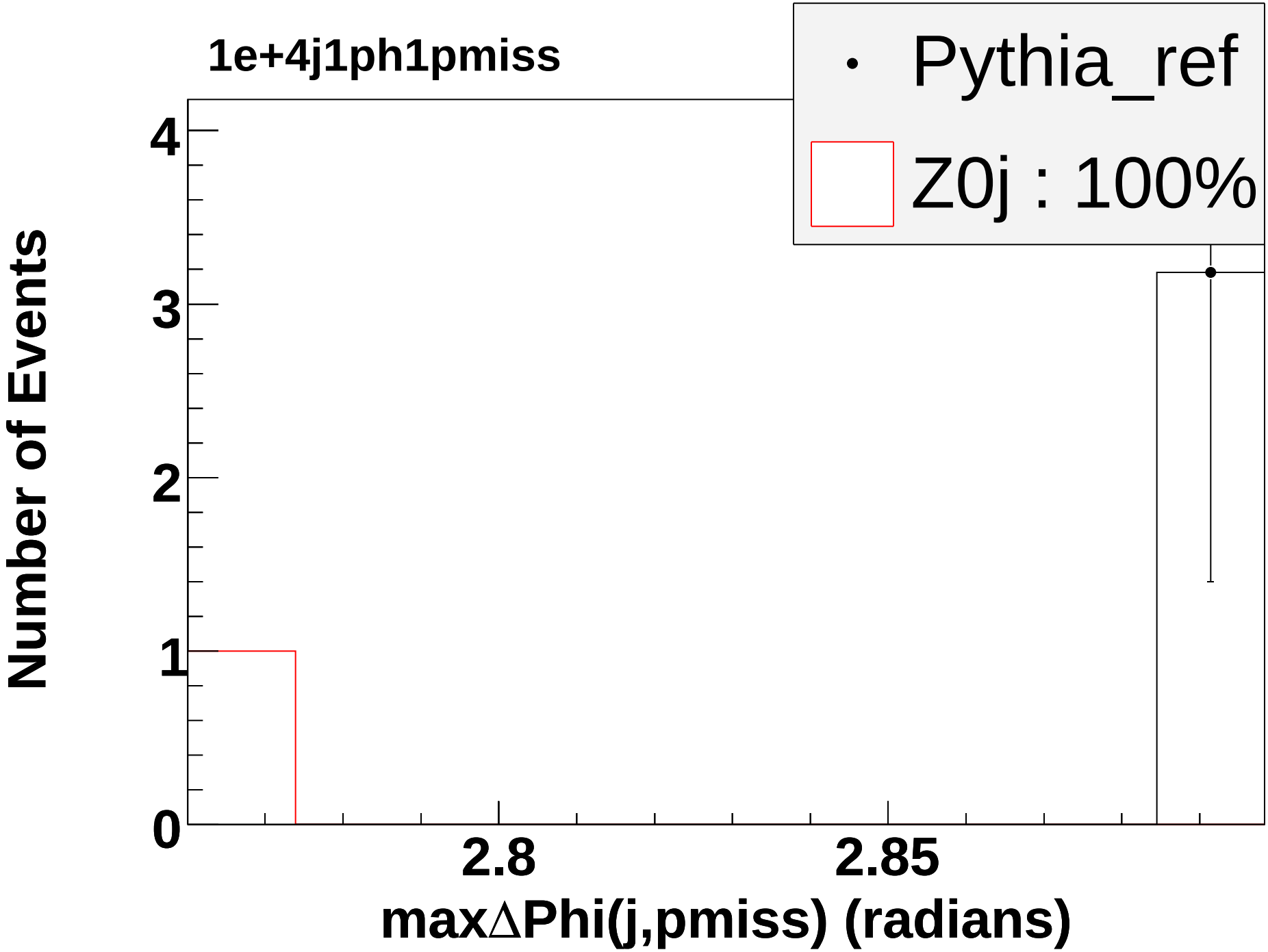

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
0.5
1
1.5
2
Δϕ(j2,pmiss) (radians)

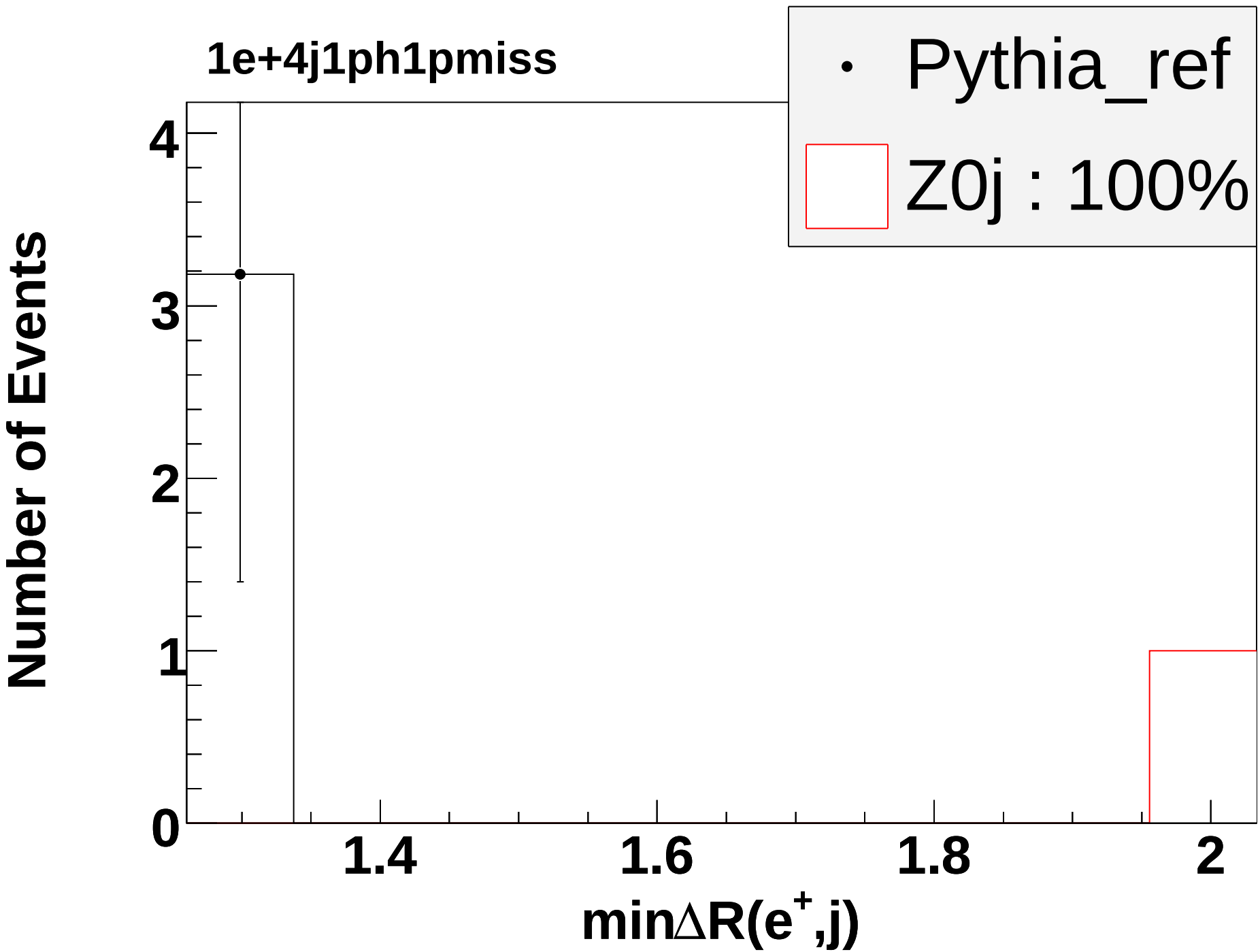

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
1
2
3
Δϕ(j3,j4) (radians)

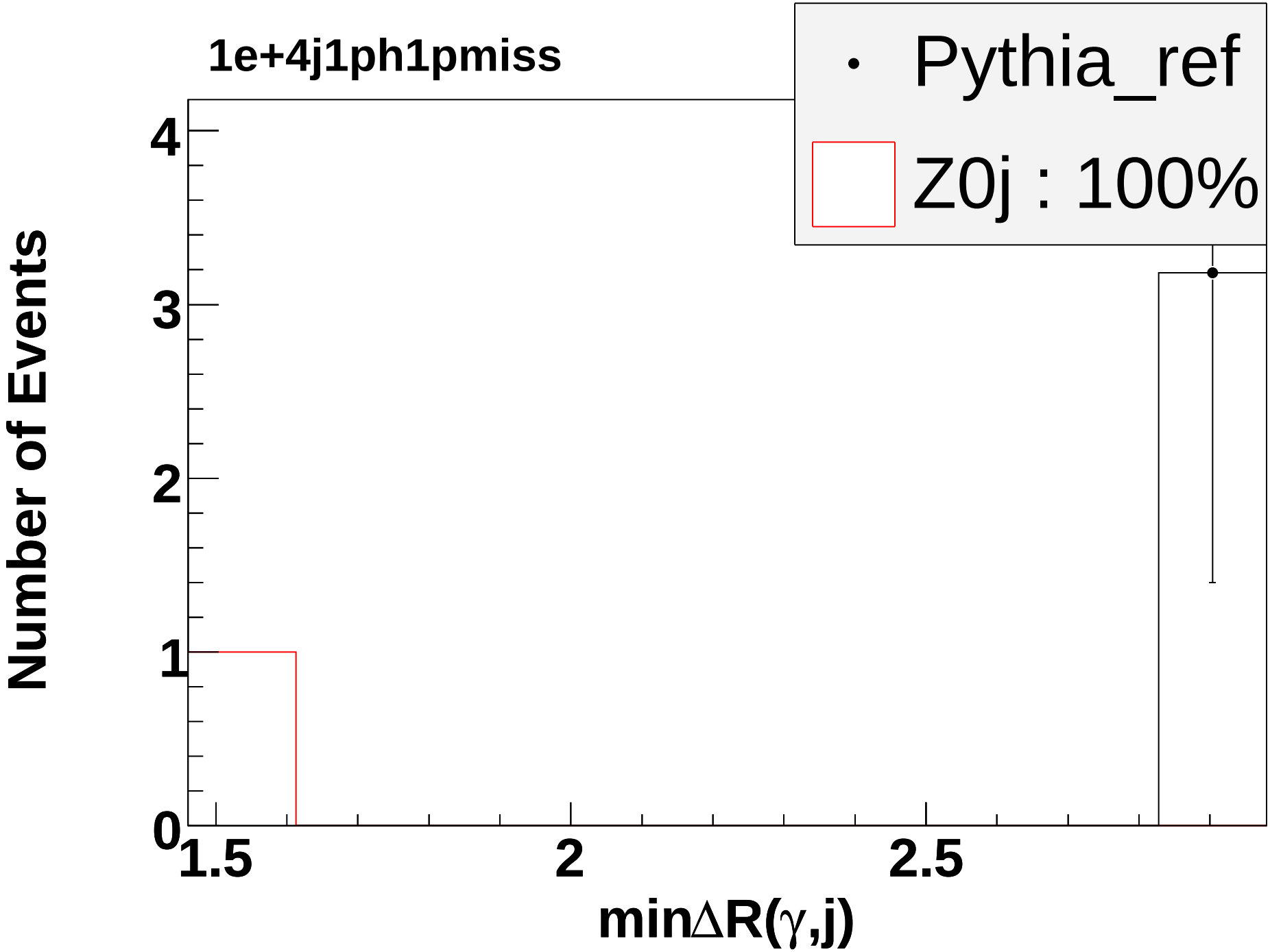

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
0.4
0.405
0.41
Δϕ(j3,pmiss) (radians)

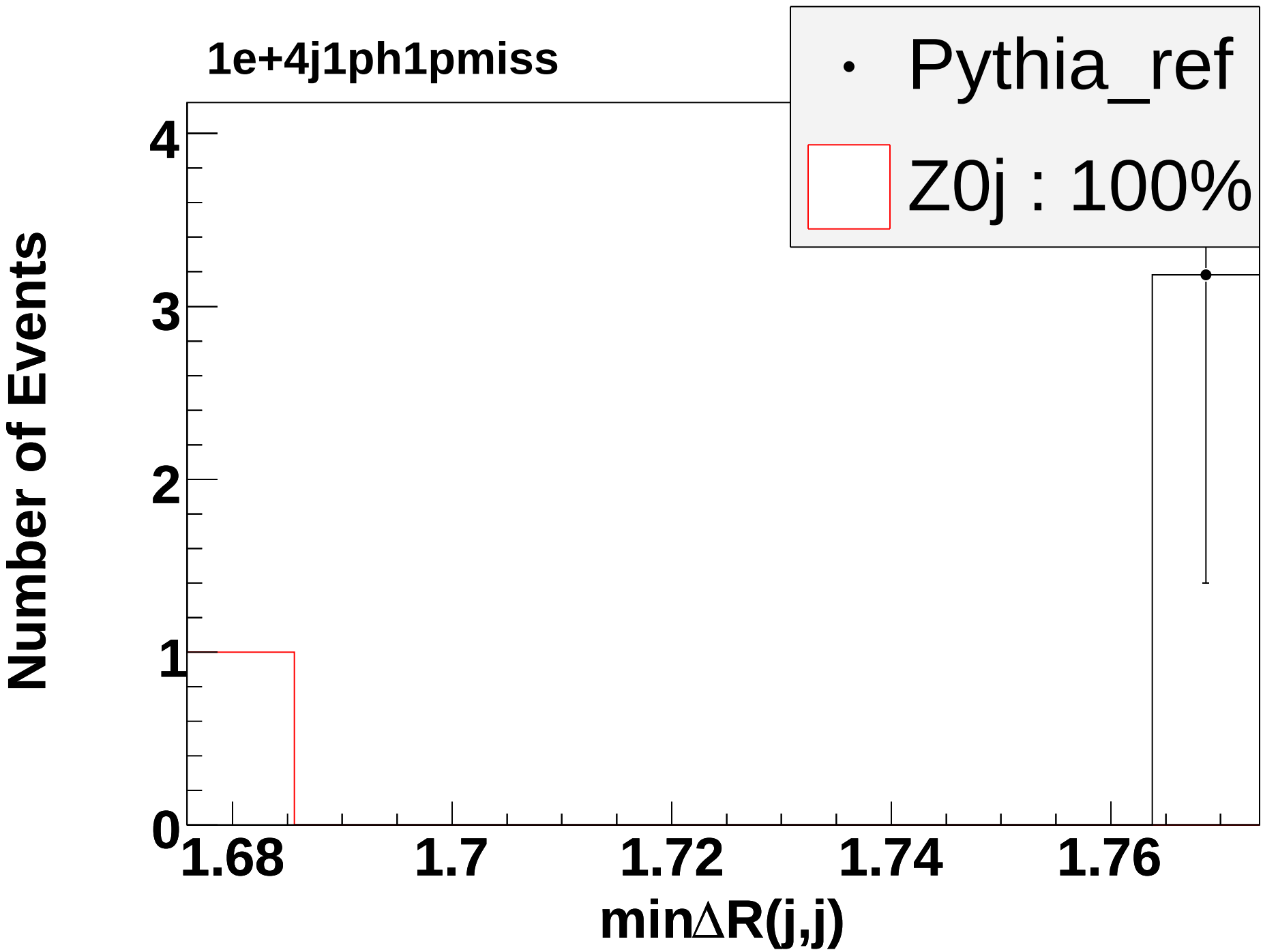

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
1
2
Δϕ(j4,pmiss) (radians)

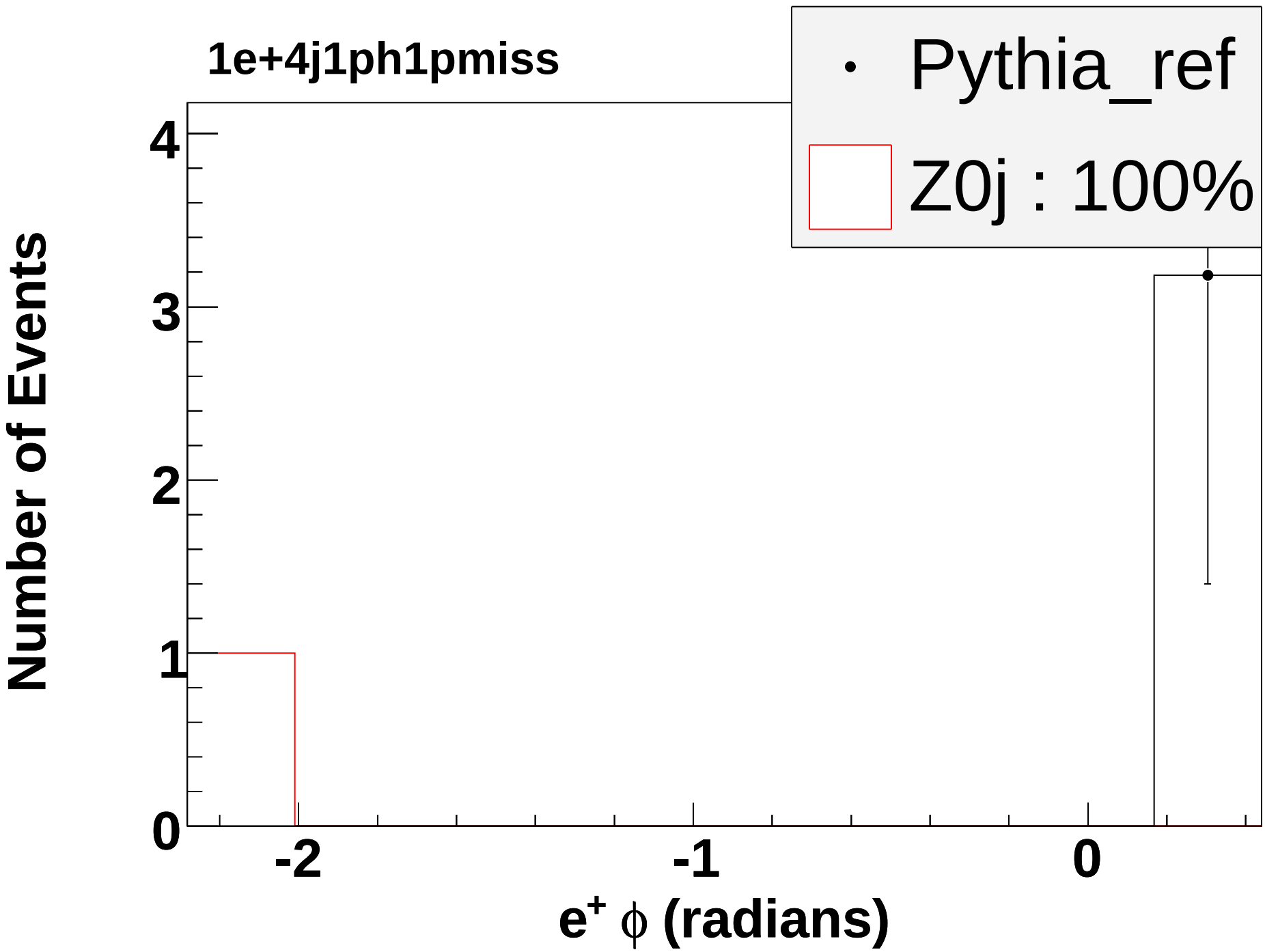

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
0.25
0.3
0.35
0.4
minΔPhi(j,pmiss) (radians)

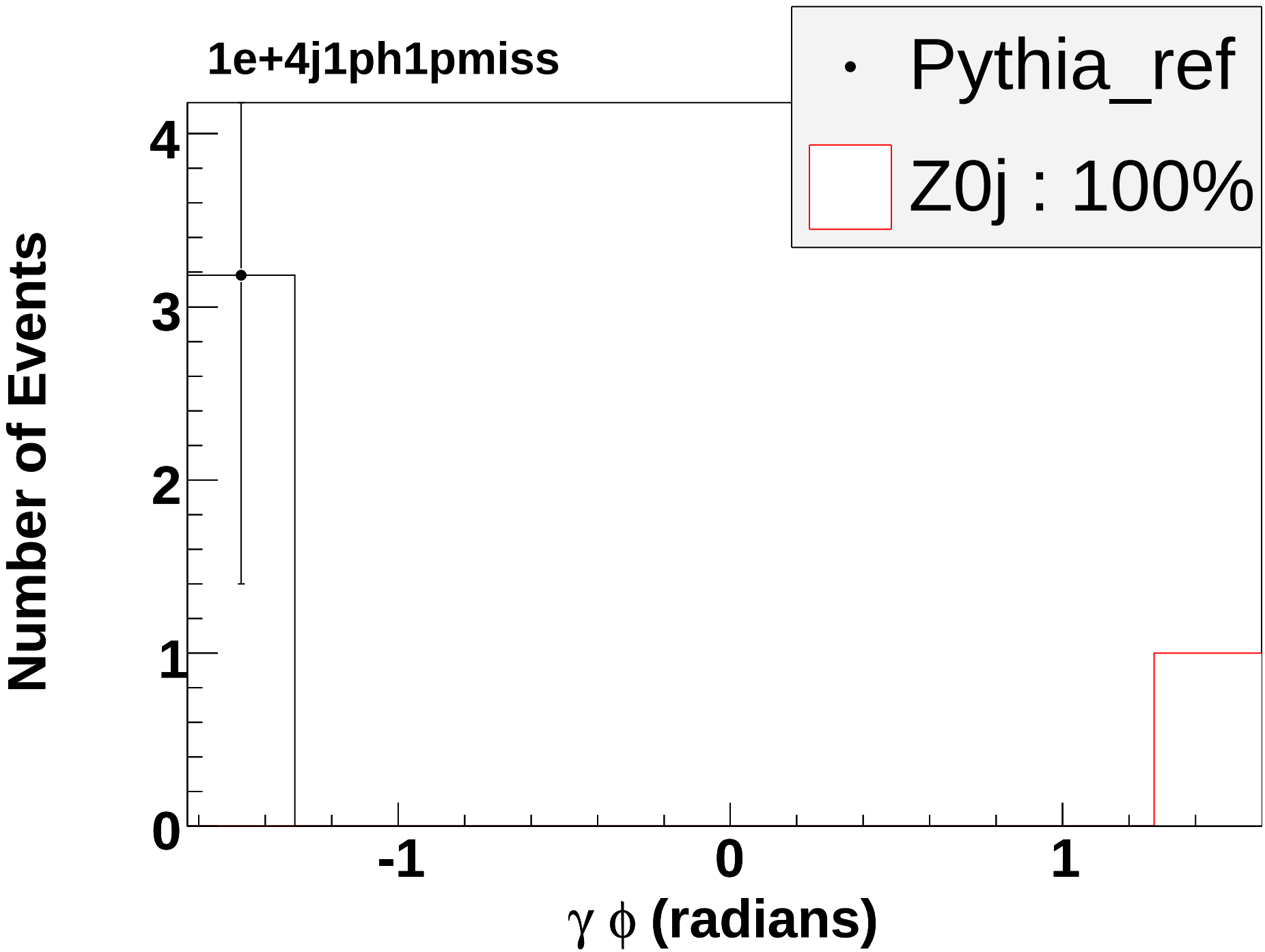

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
2.8
2.85
maxΔPhi(j,pmiss) (radians)

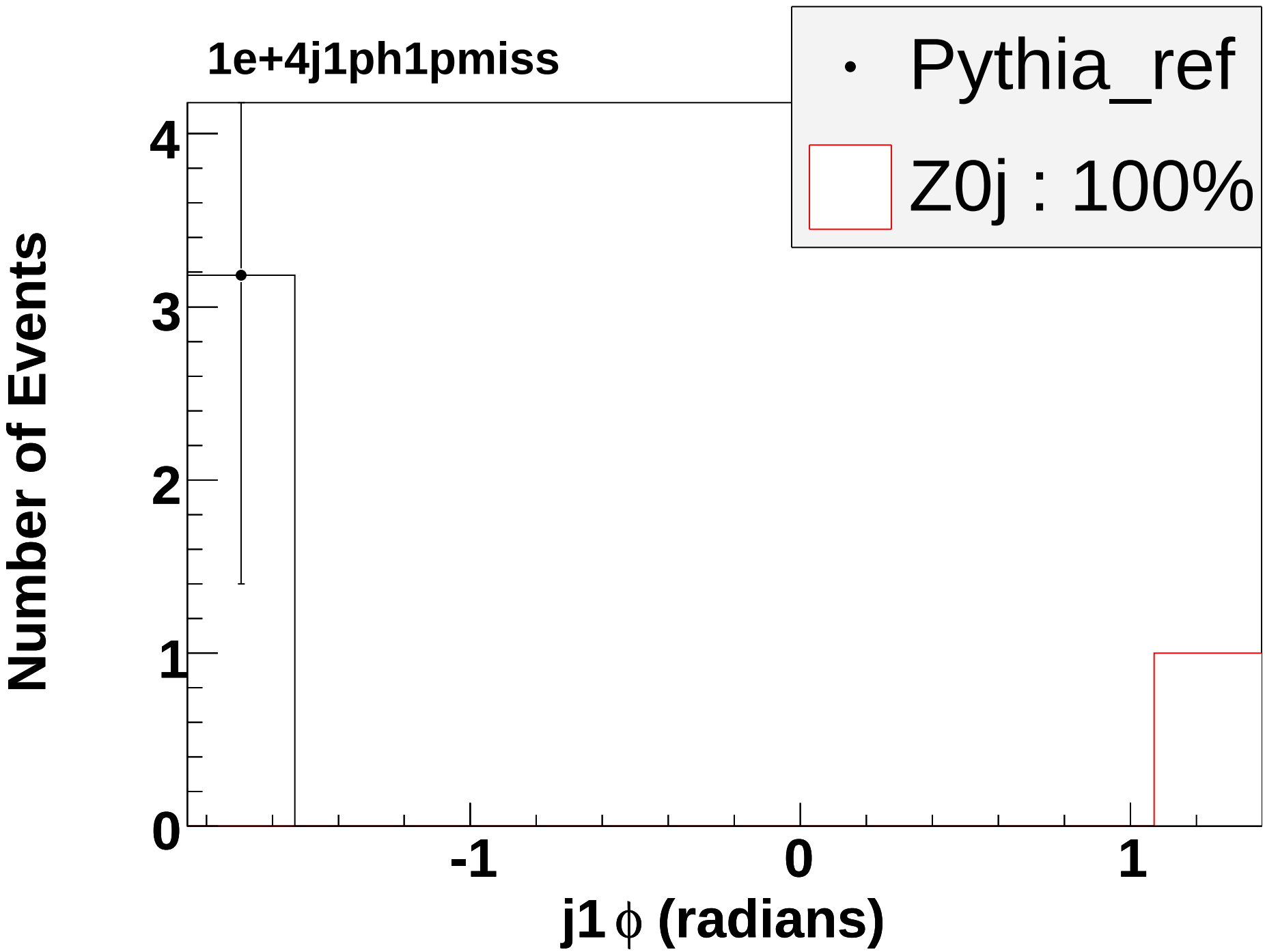

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
1.4
1.6
1.8
2
minΔR(e+,j)

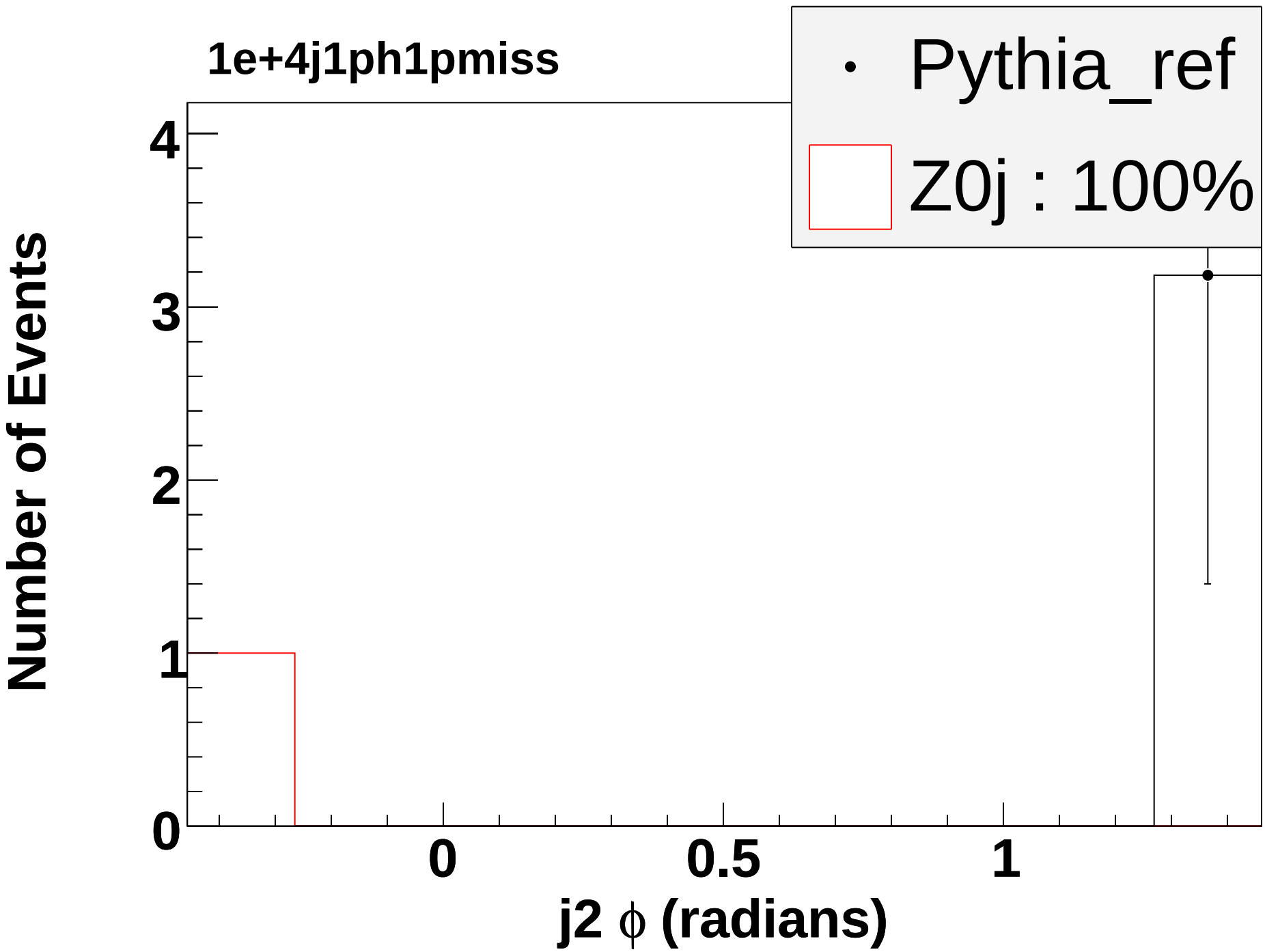

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
1.5
2
2.5
minΔR(γ,j)

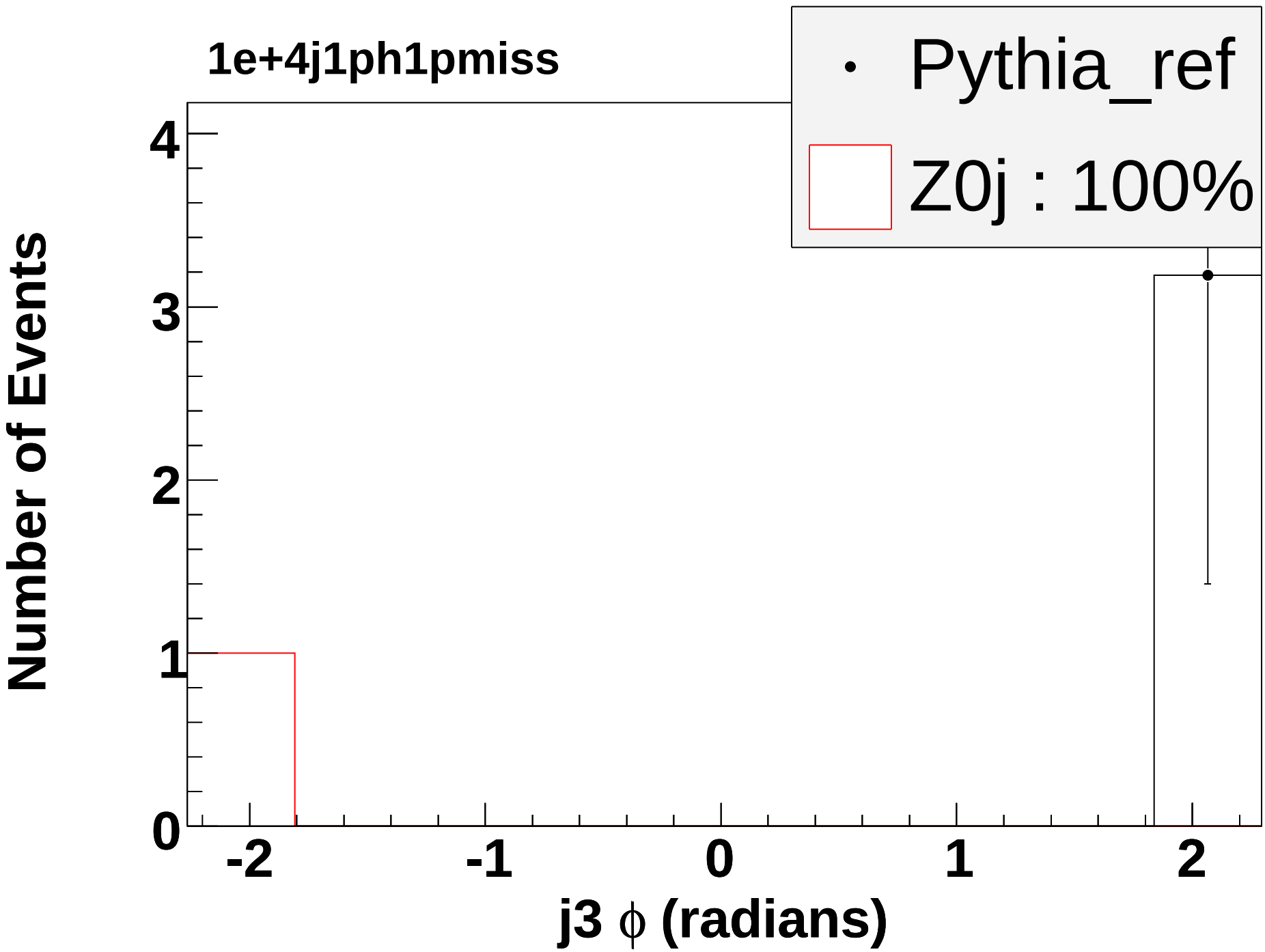

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
1.68
1.7
1.72
1.74
1.76
minΔR(j,j)

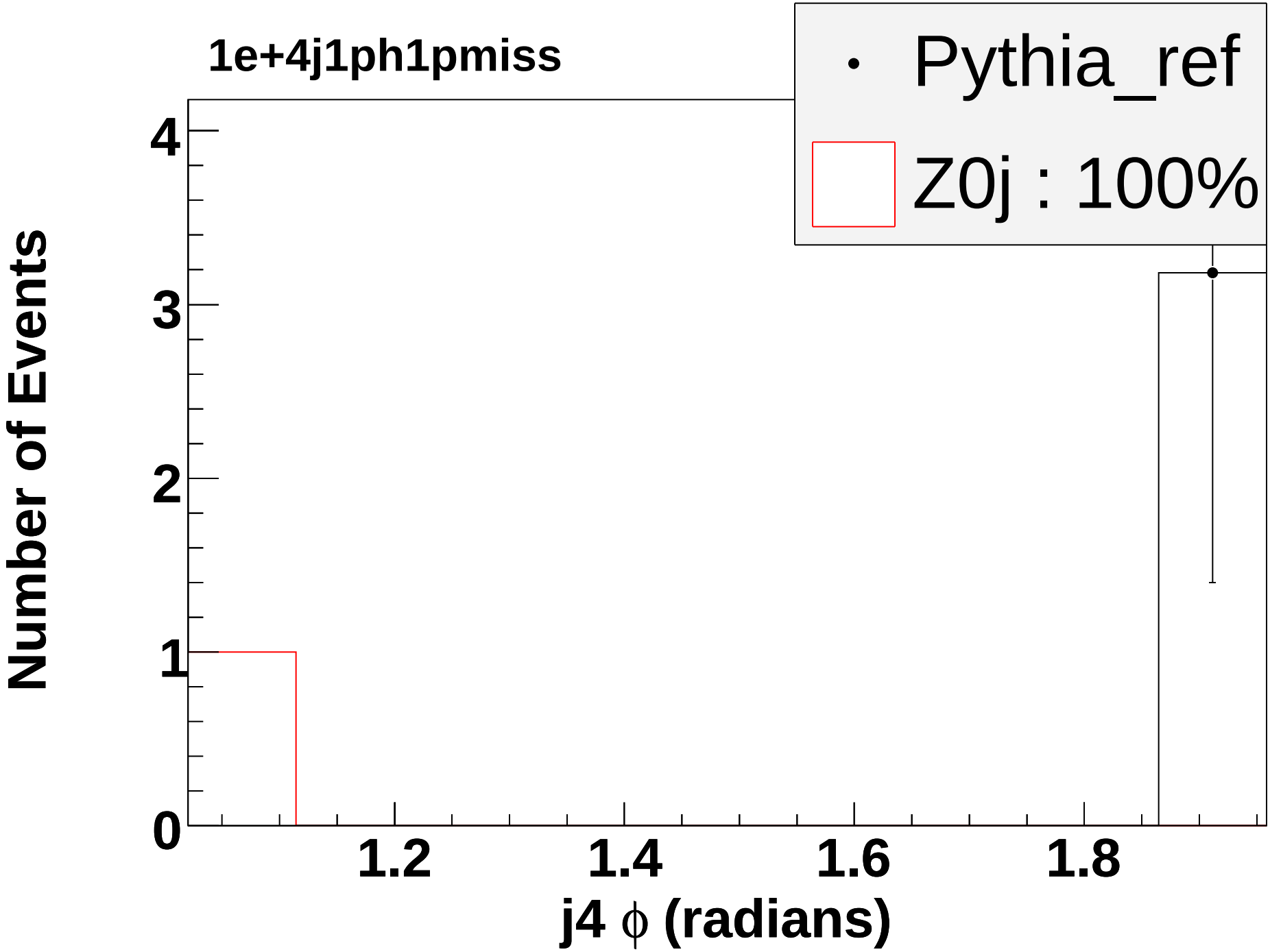

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
-2
-1
0
e+ ϕ (radians)

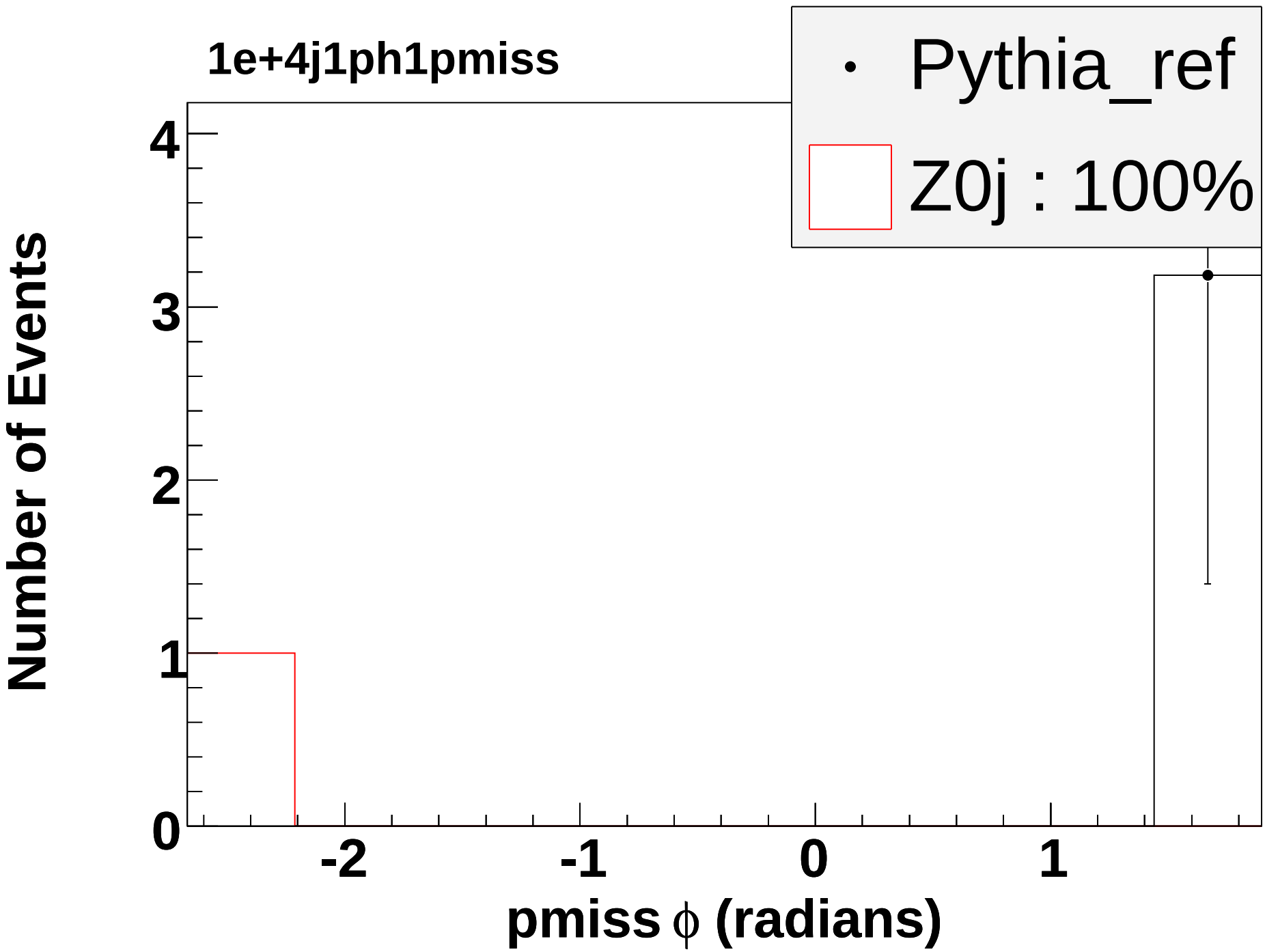

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
-1
0
1
γ ϕ (radians)

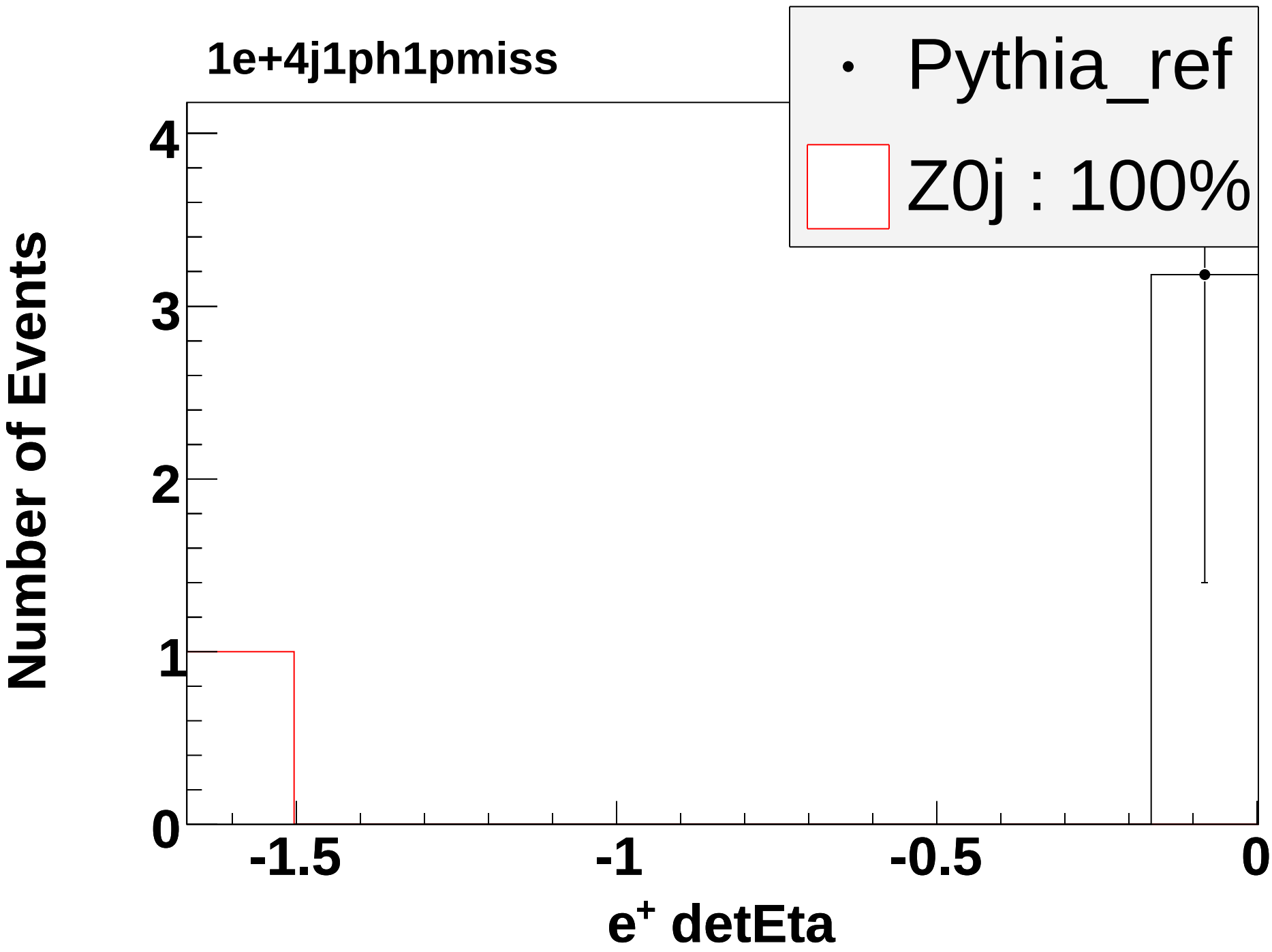

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
-1
0
1
j1 ϕ (radians)

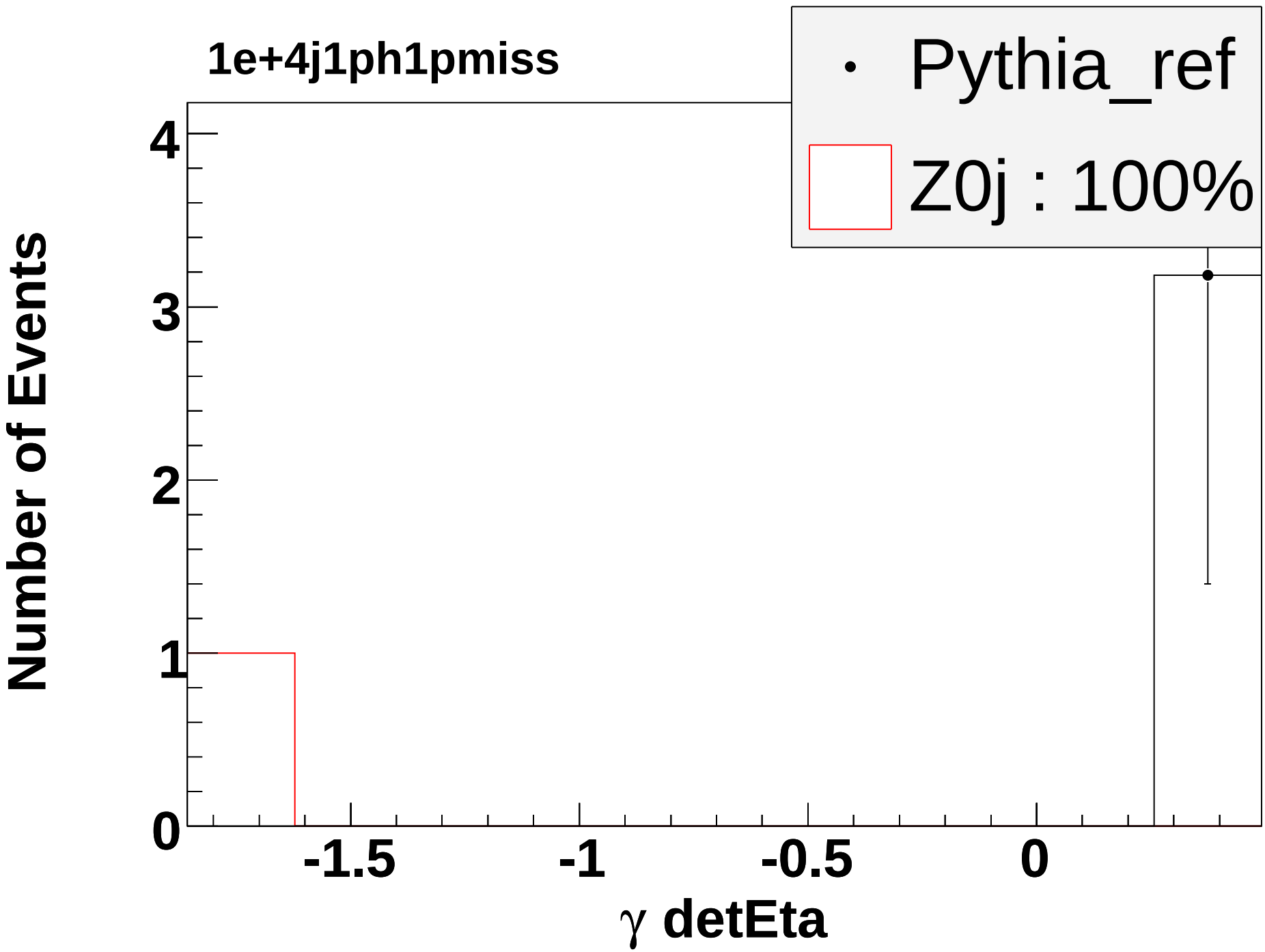

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
0
0.5
1
j2 ϕ (radians)

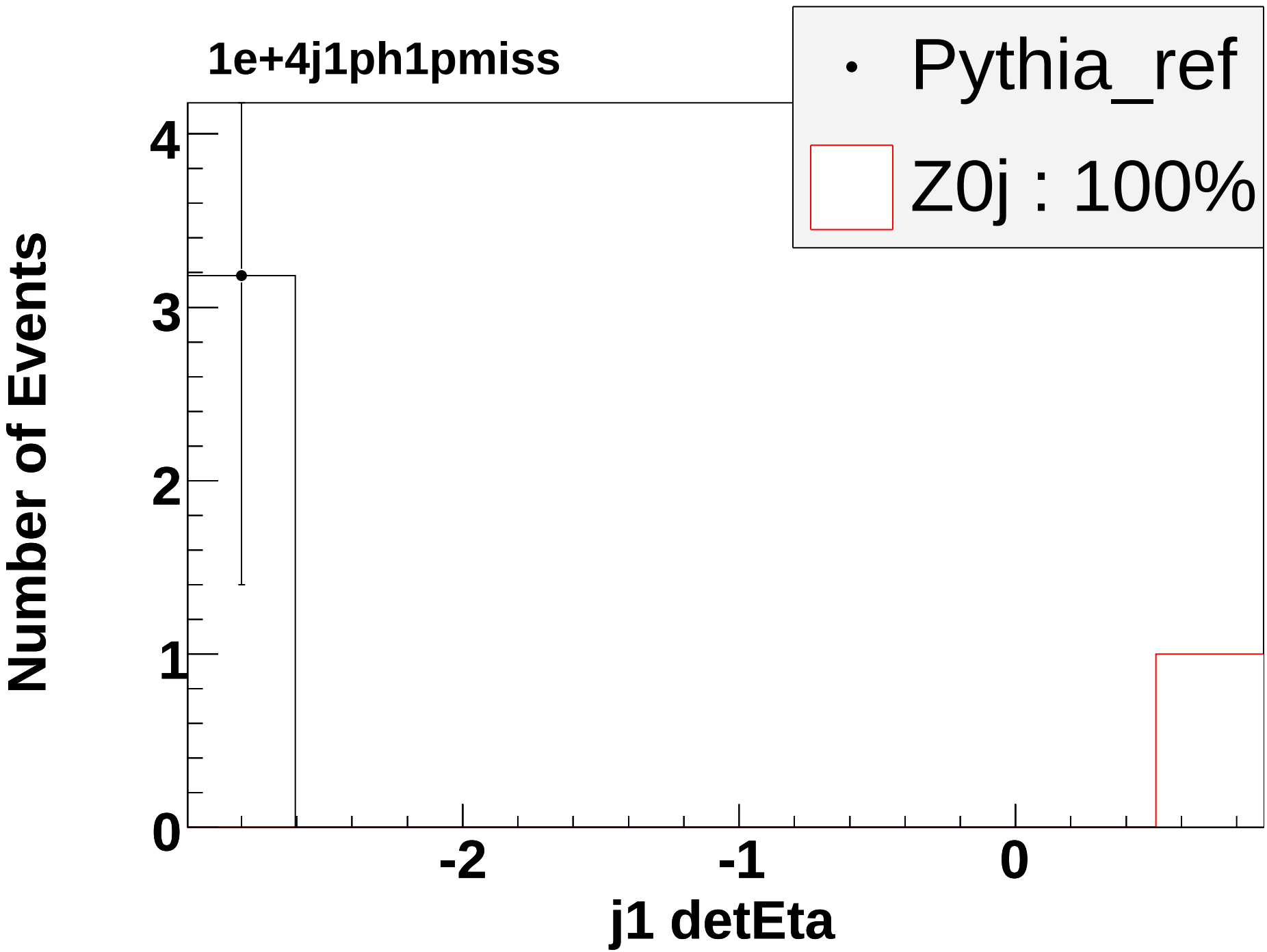

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
-2
-1
0
1
2
j3 ϕ (radians)

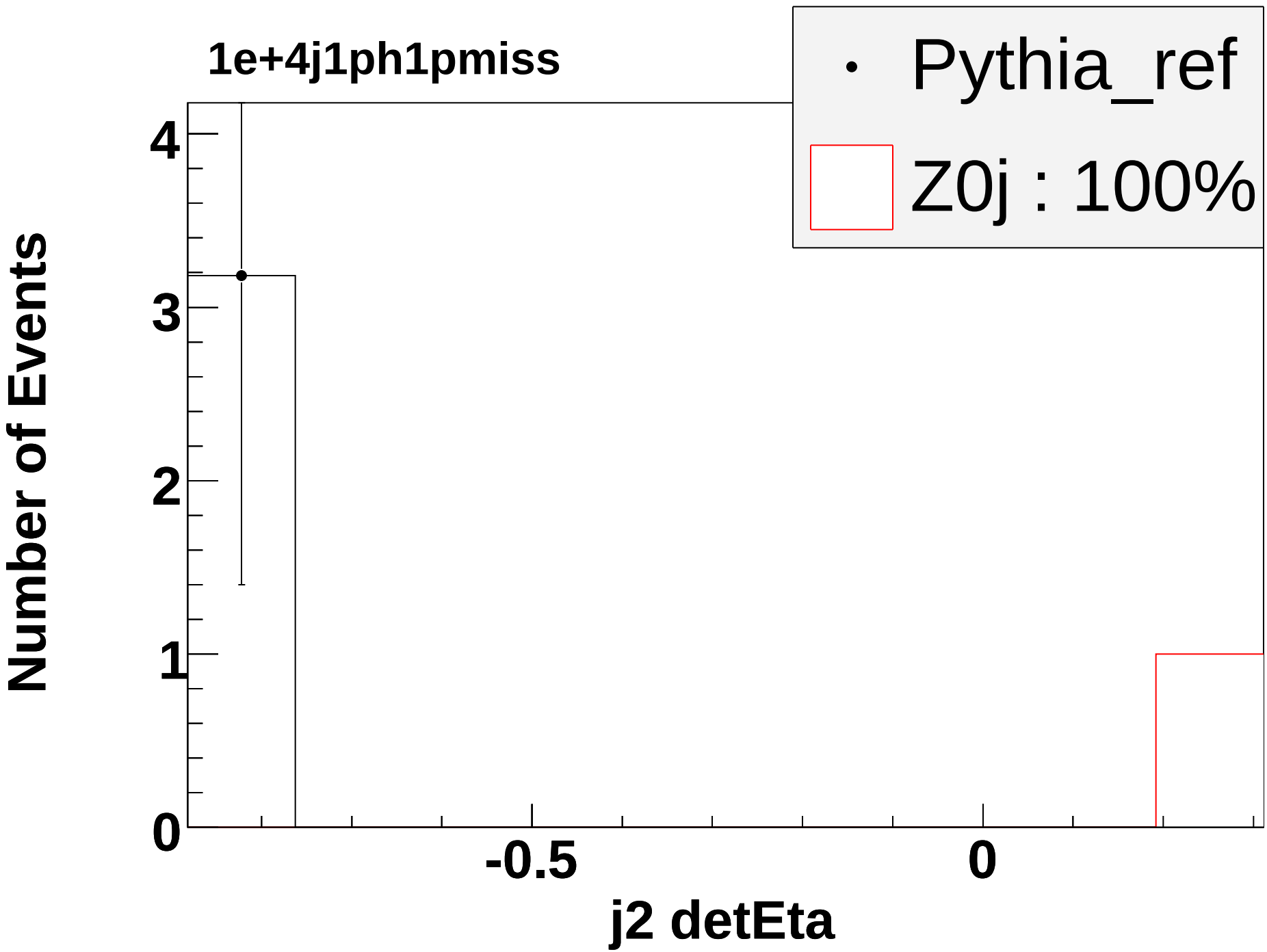

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
1.2
1.4
1.6
1.8
j4 ϕ (radians)

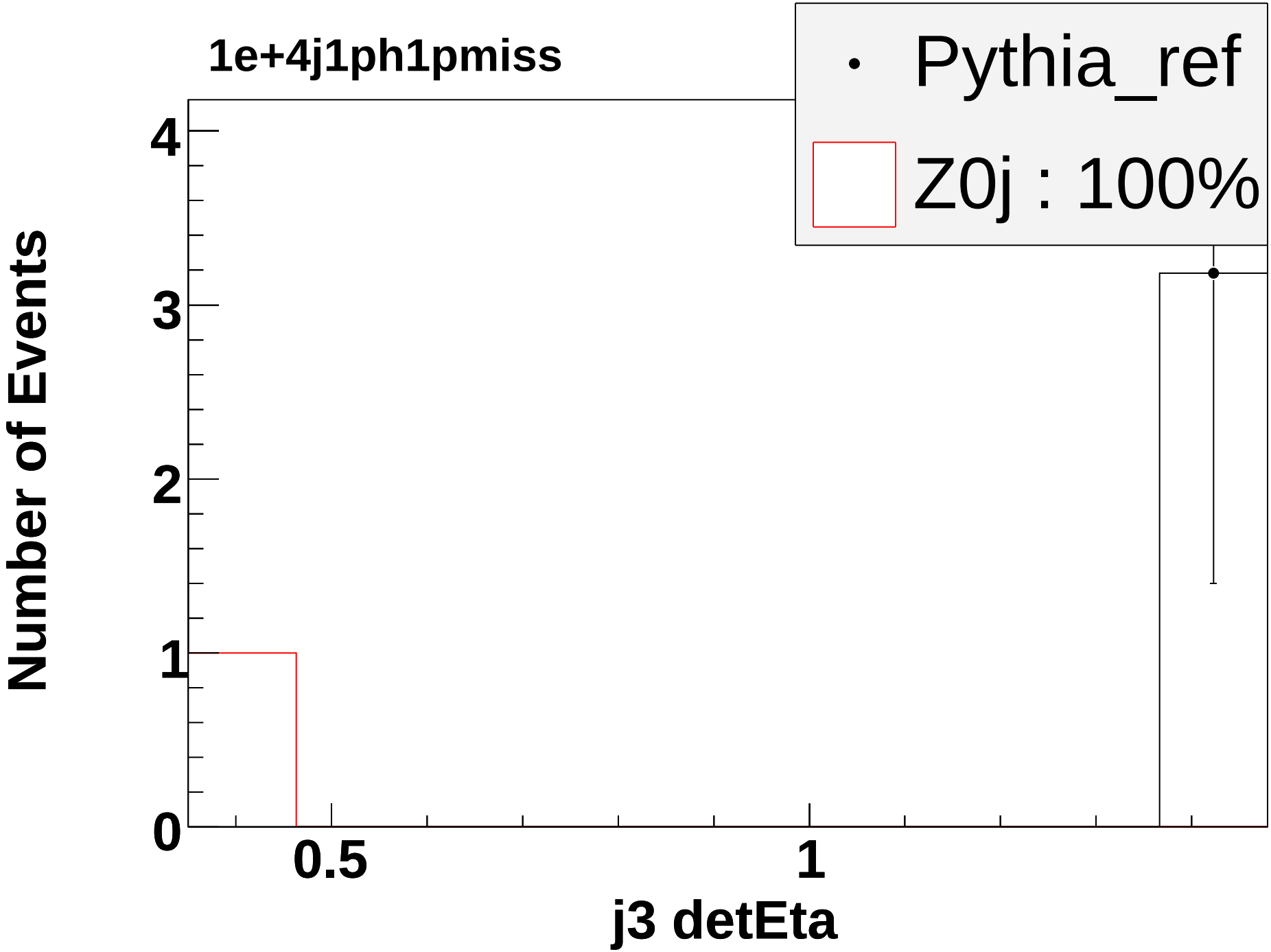

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
-2
-1
0
1
pmiss ϕ (radians)

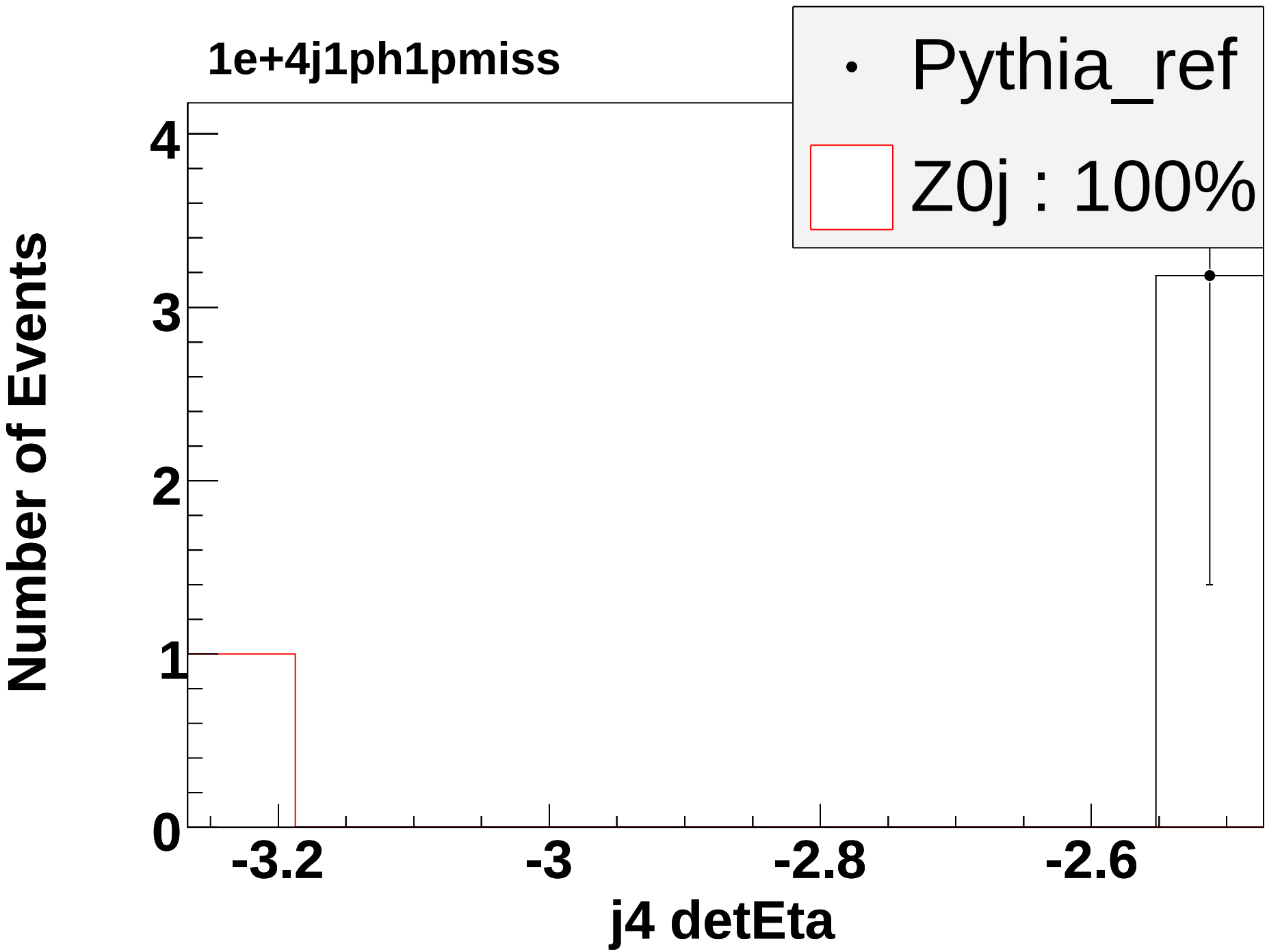

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
-1.5
-1
-0.5
0
e+ detEta

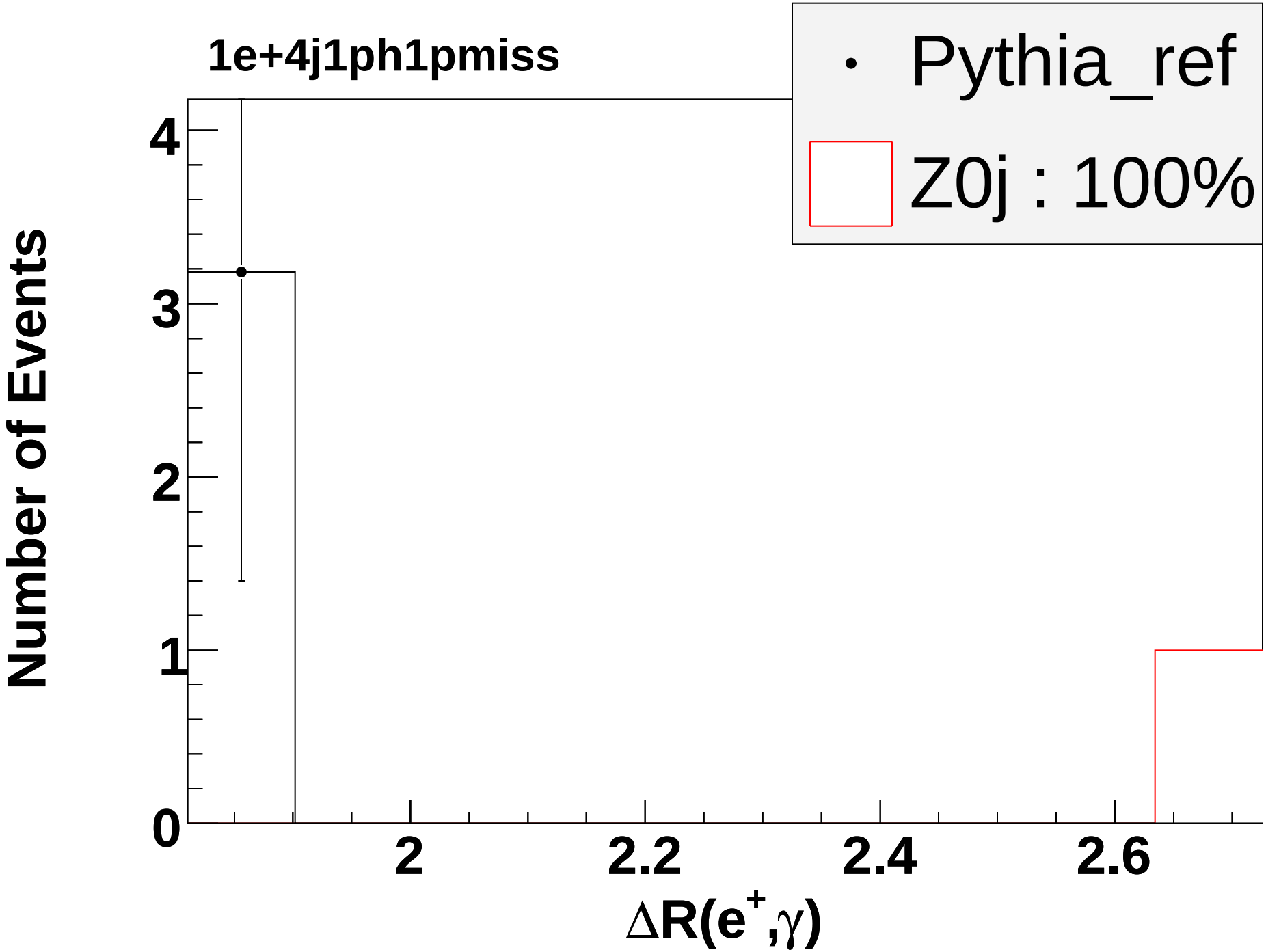

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
-1.5
-1
-0.5
0
γ detEta

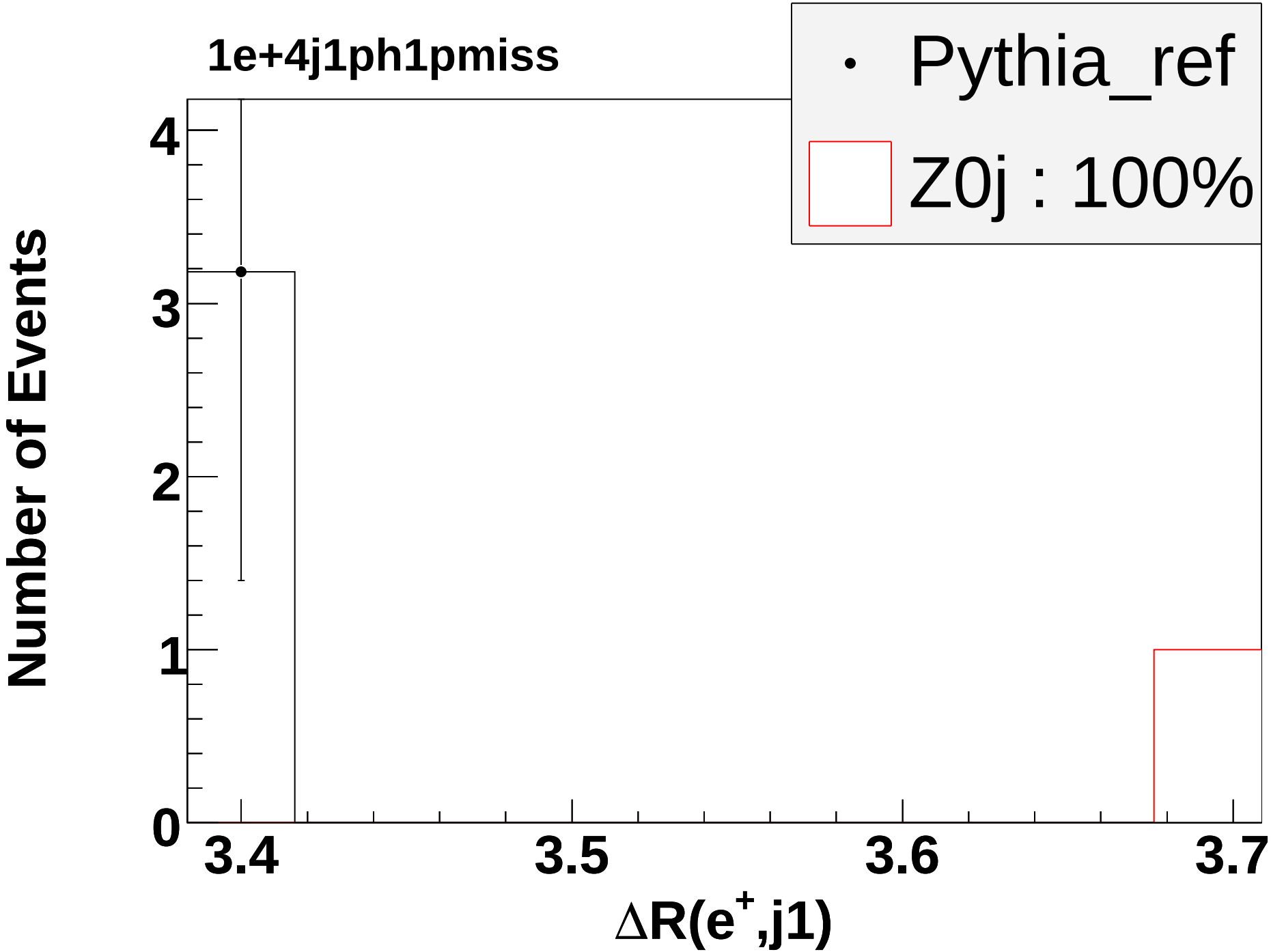

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
-2
-1
0
j1 detEta

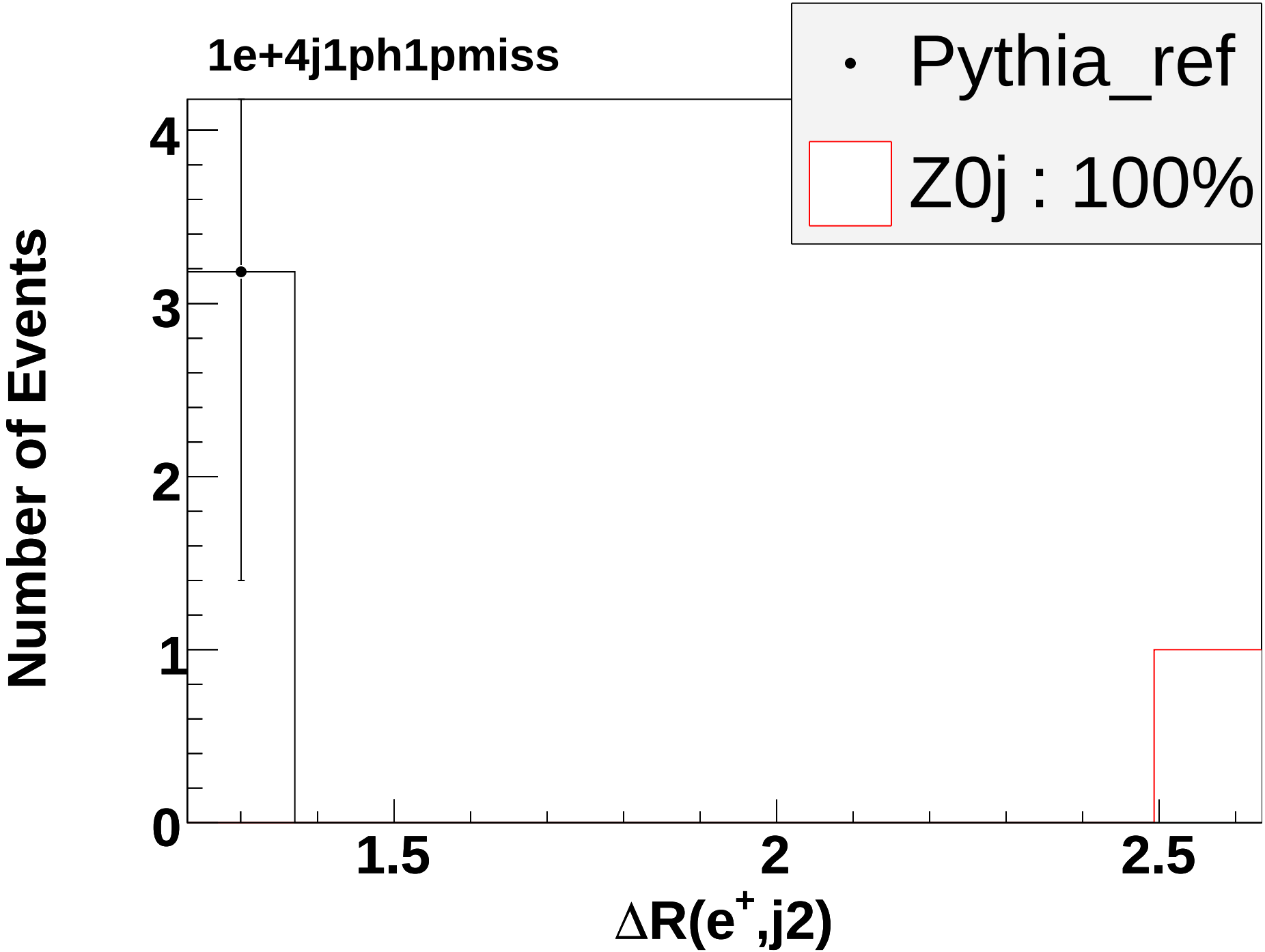

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
4
3
2
1
0
-0.5
0
j2 detEta

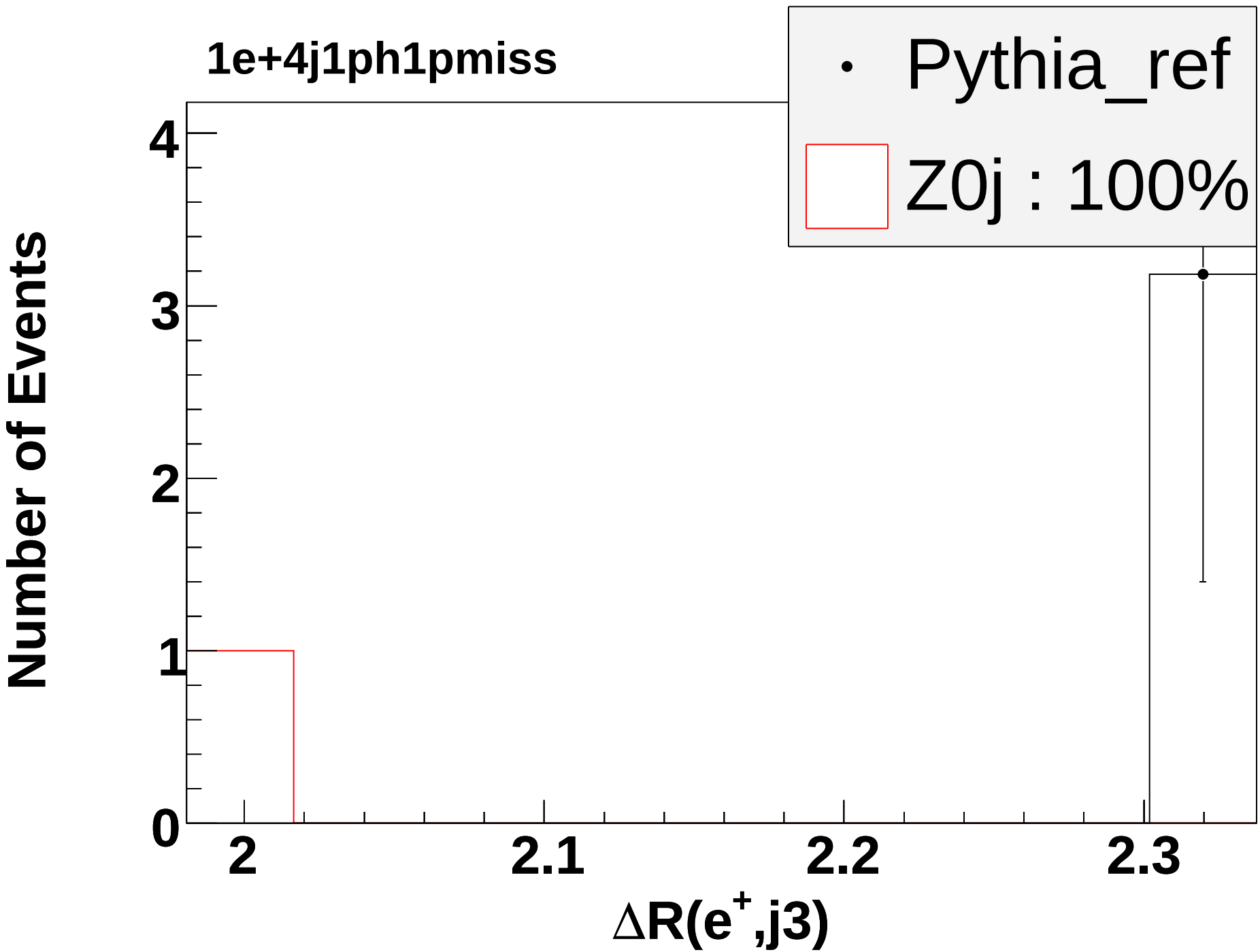

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
0.5
1
j3 detEta

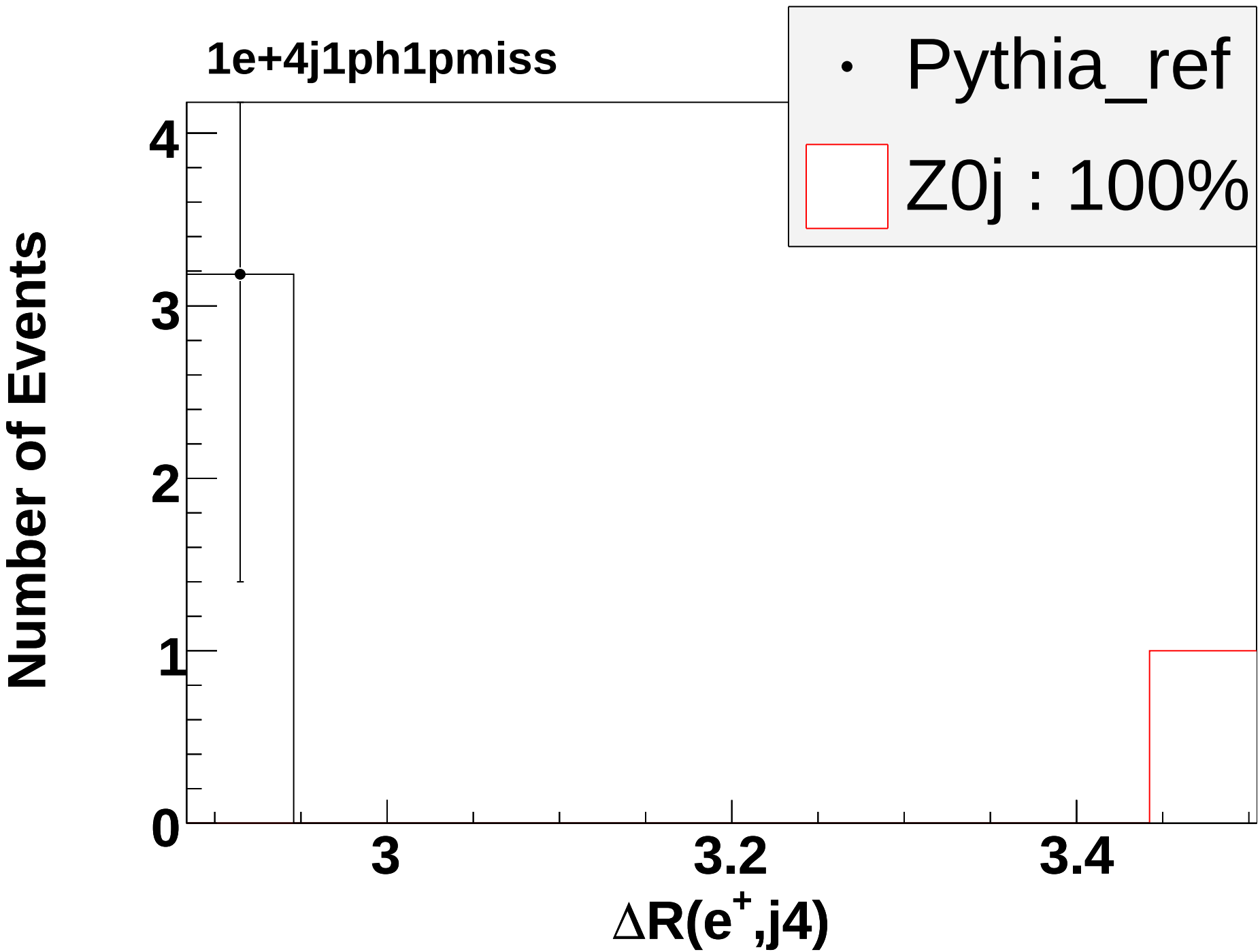

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
-3.2
-3
-2.8
-2.6
j4 detEta

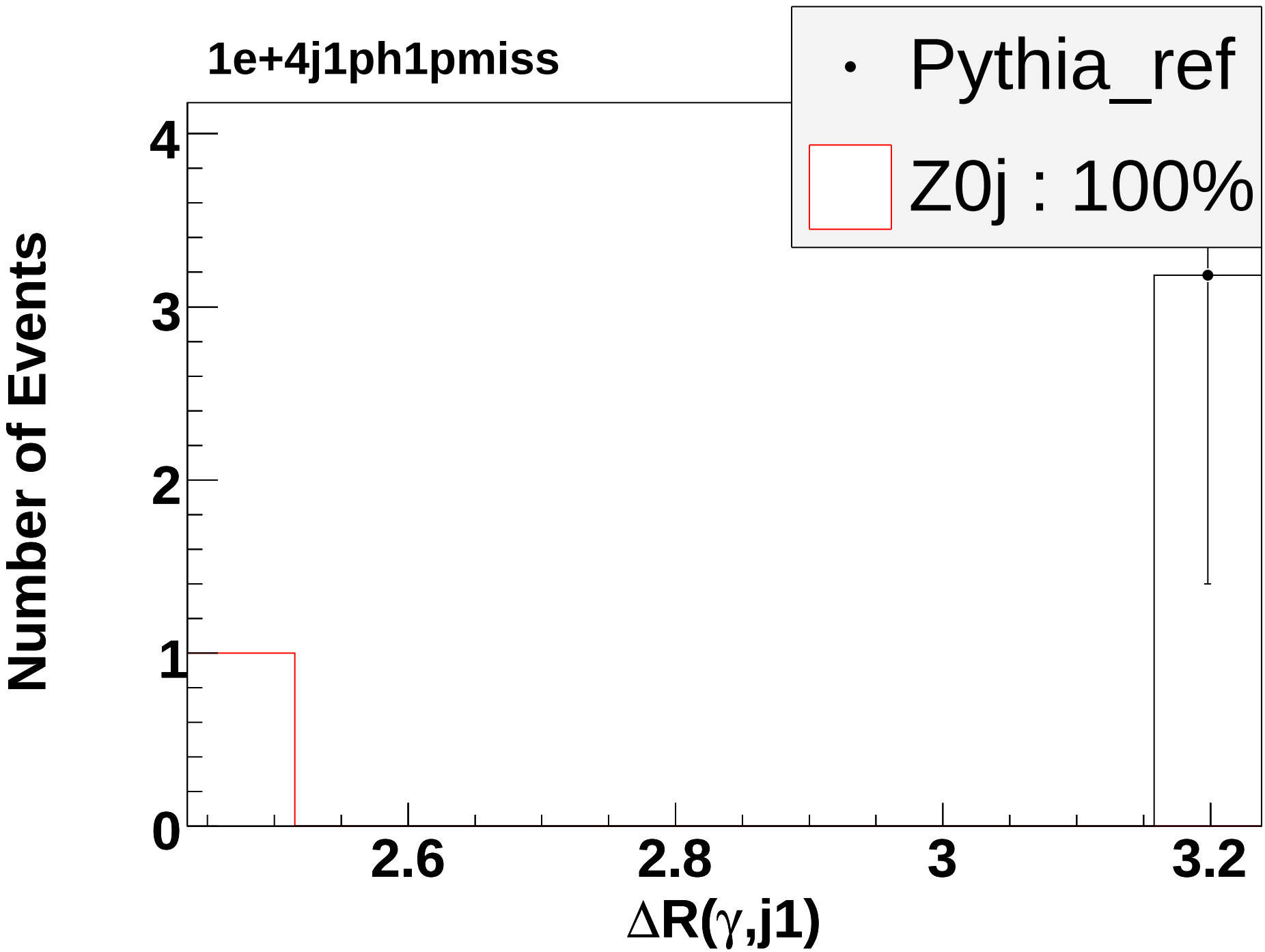

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
2
2.2
2.4
2.6
ΔR(e+,γ)

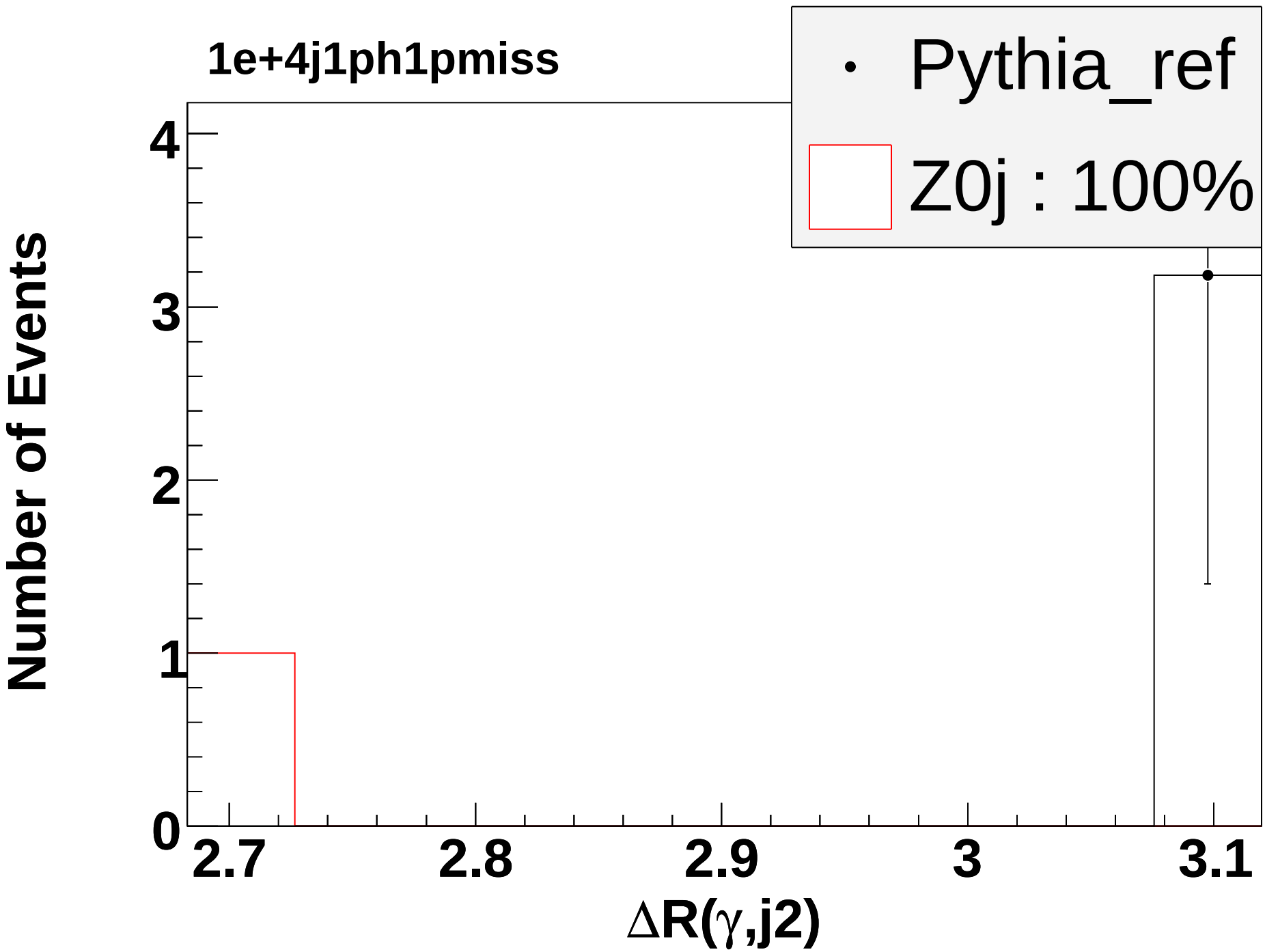

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
3.4
3.5
3.6
3.7
ΔR(e+,j1)

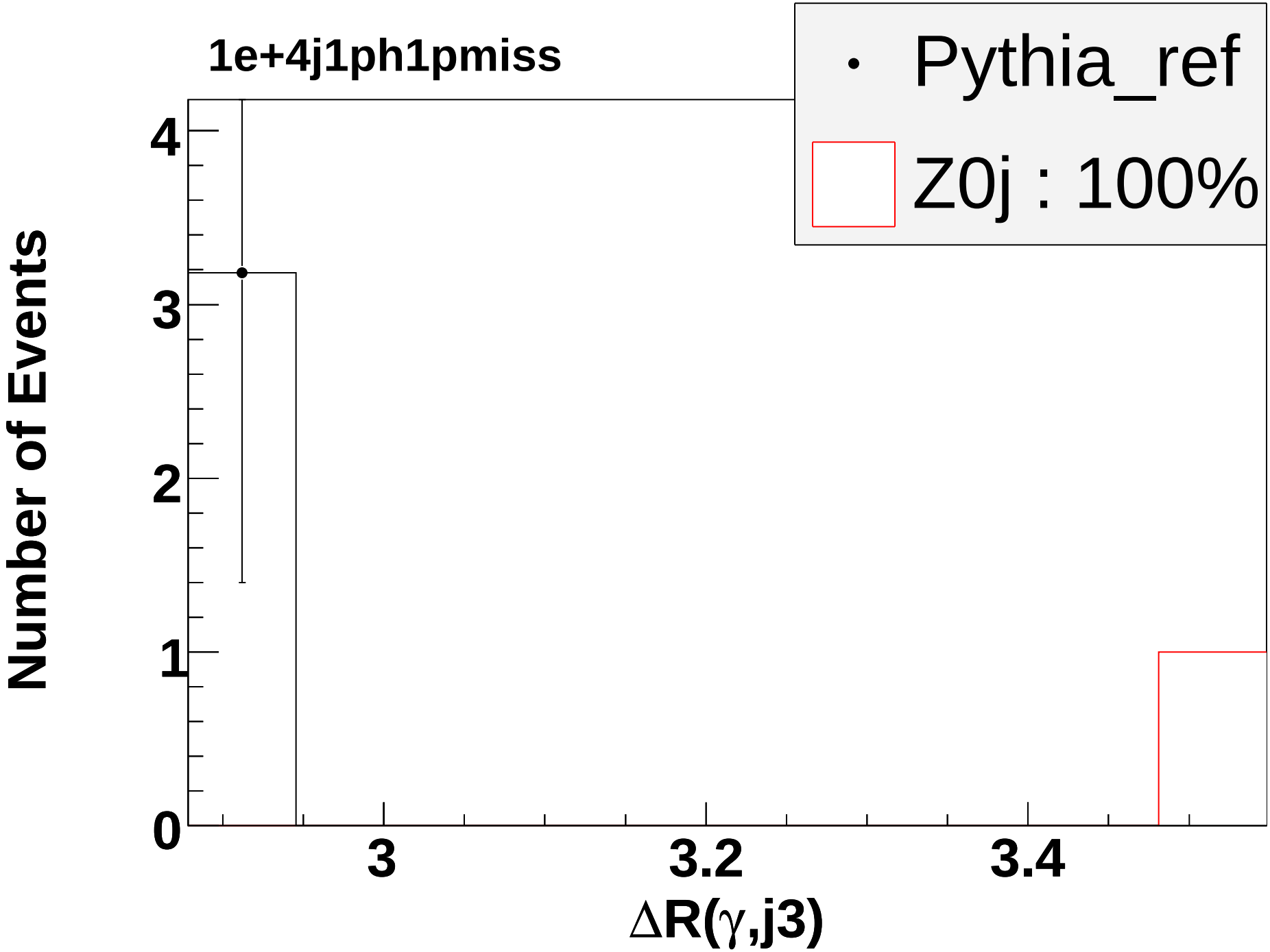

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
1.5
2
2.5
ΔR(e+,j2)

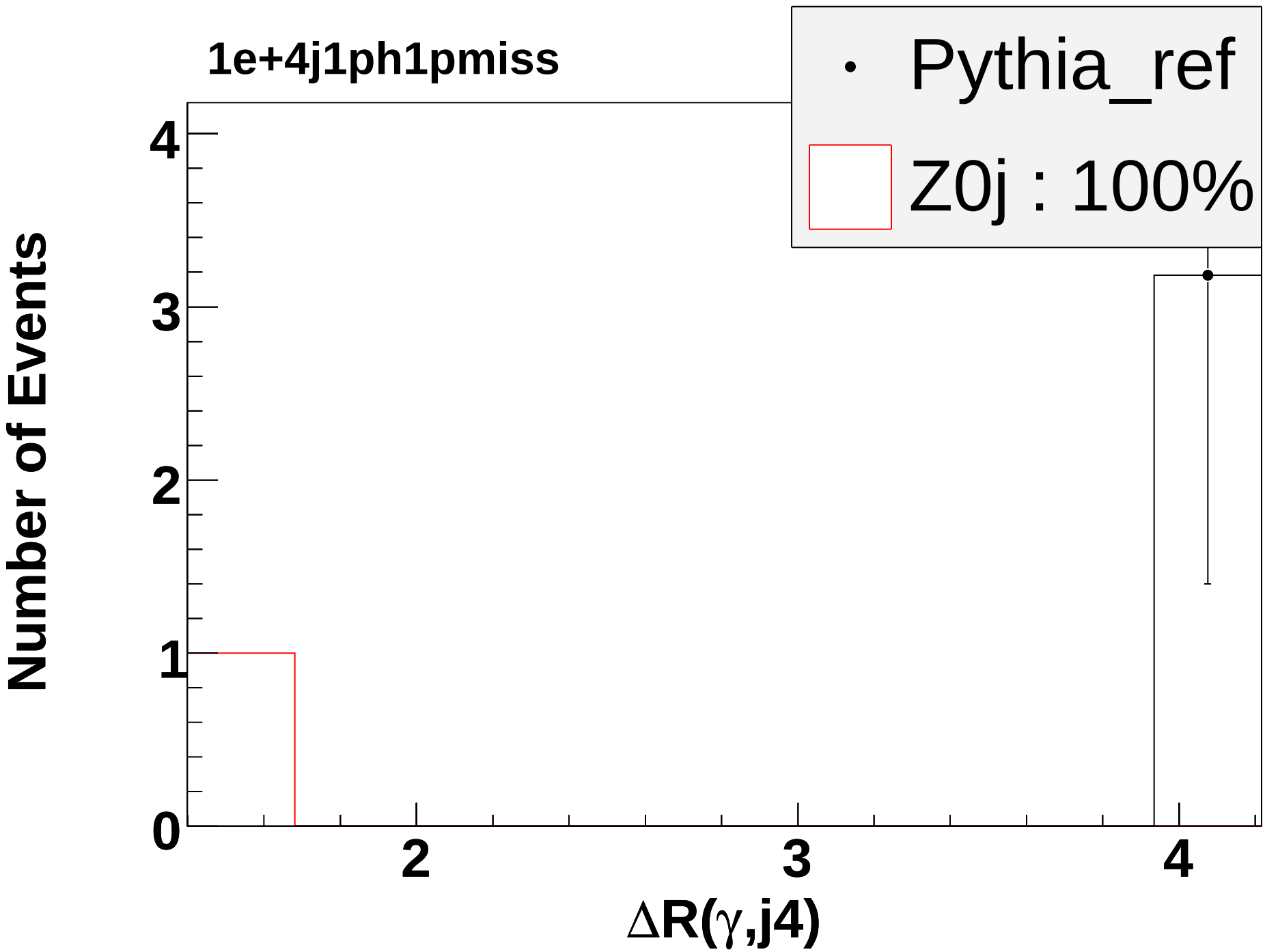

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
2
2.1
2.2
2.3
ΔR(e+,j3)

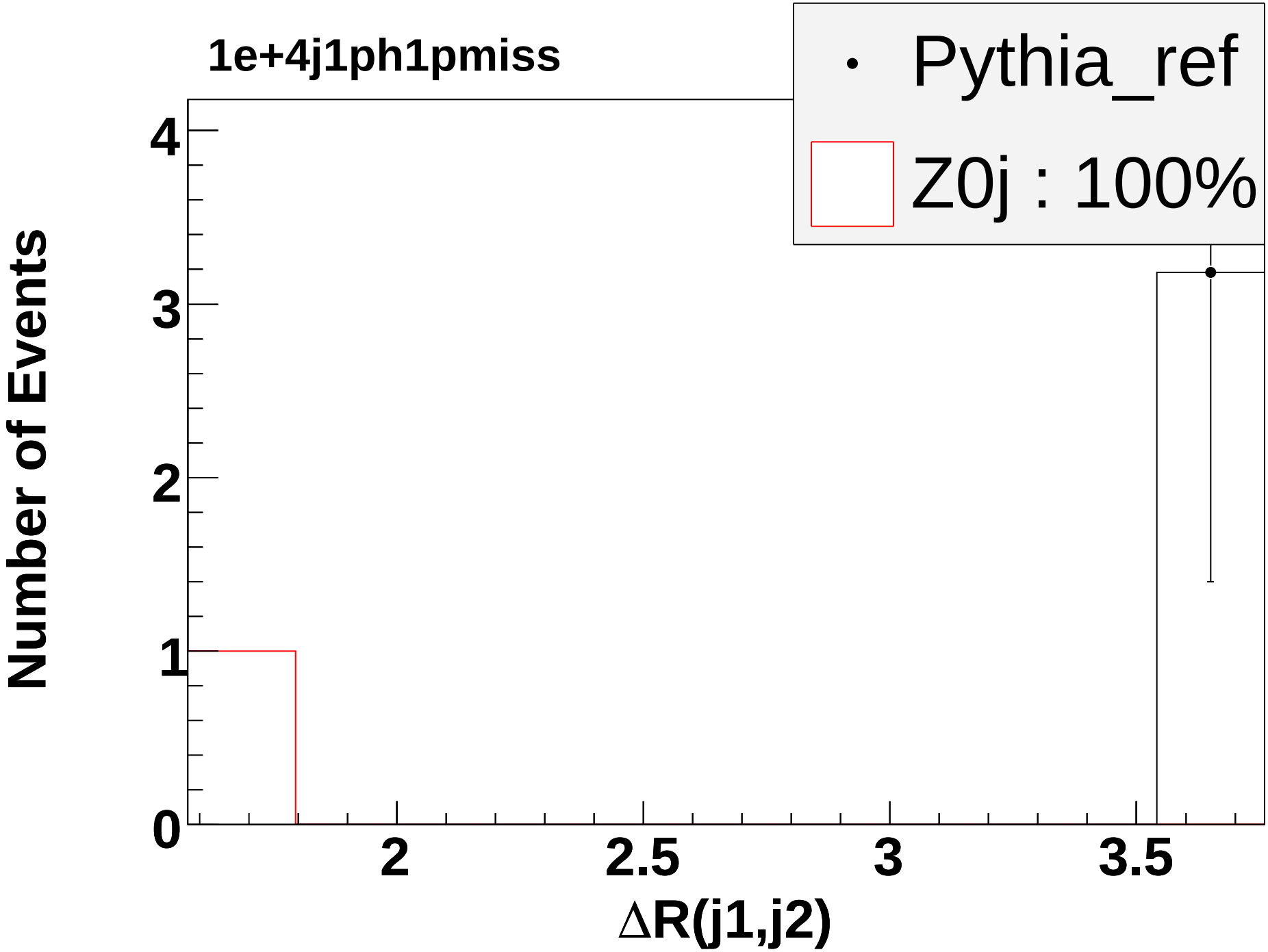

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
3
3.2
3.4
ΔR(e+,j4)

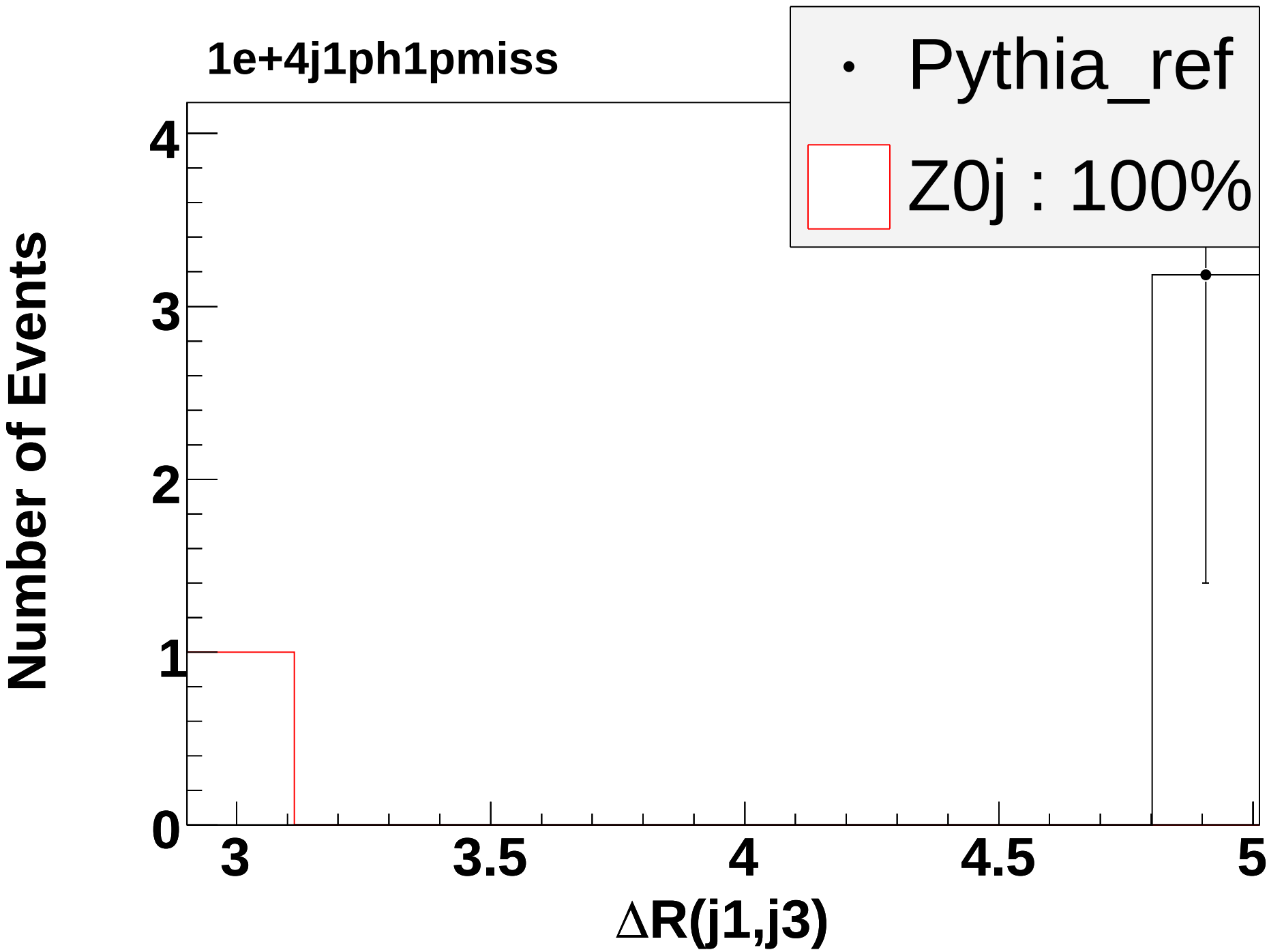

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
2.6
2.8
3
3.2
ΔR(γ,j1)

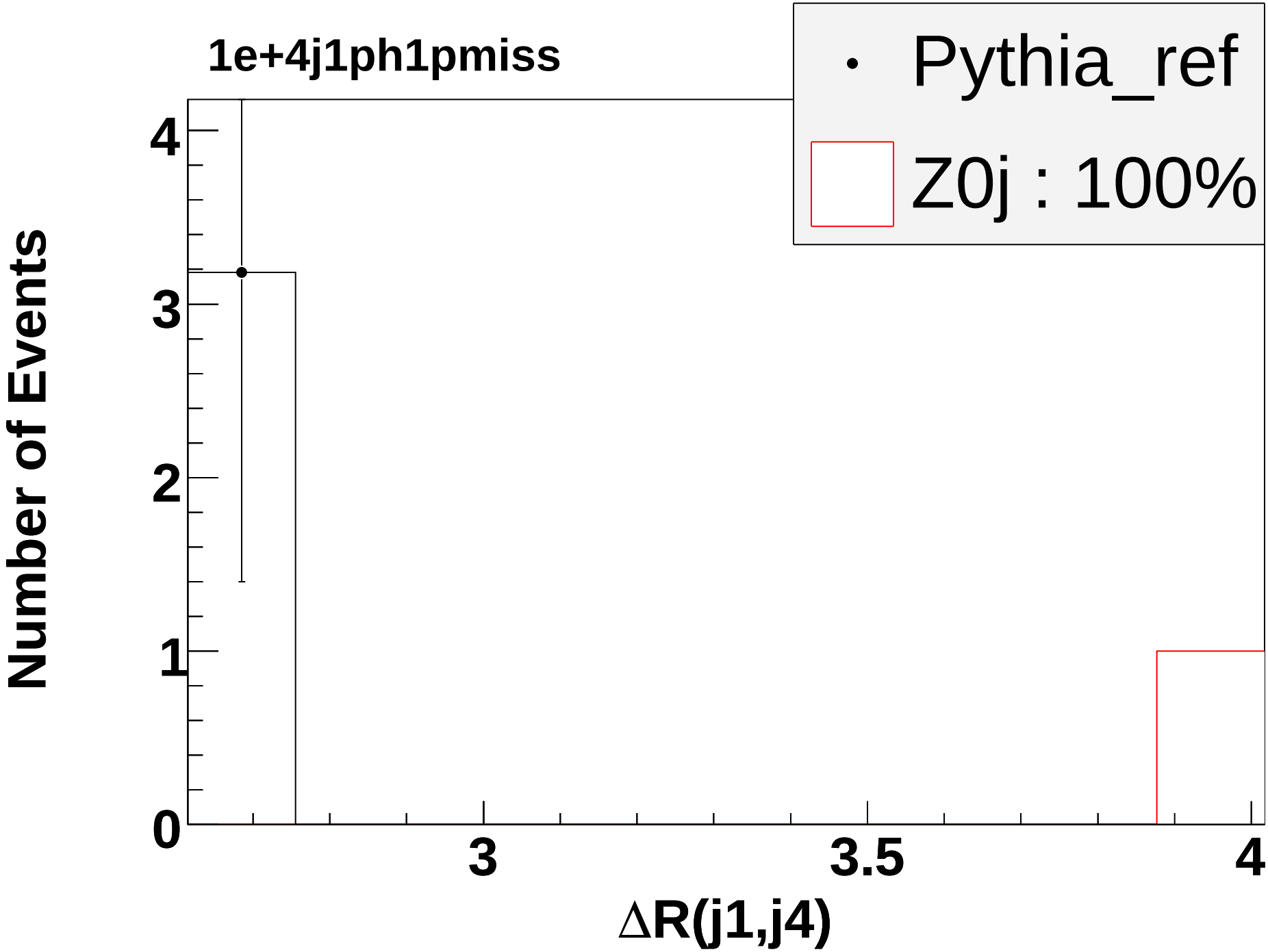

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
2.7
2.8
2.9
3
3.1
ΔR(γ,j2)

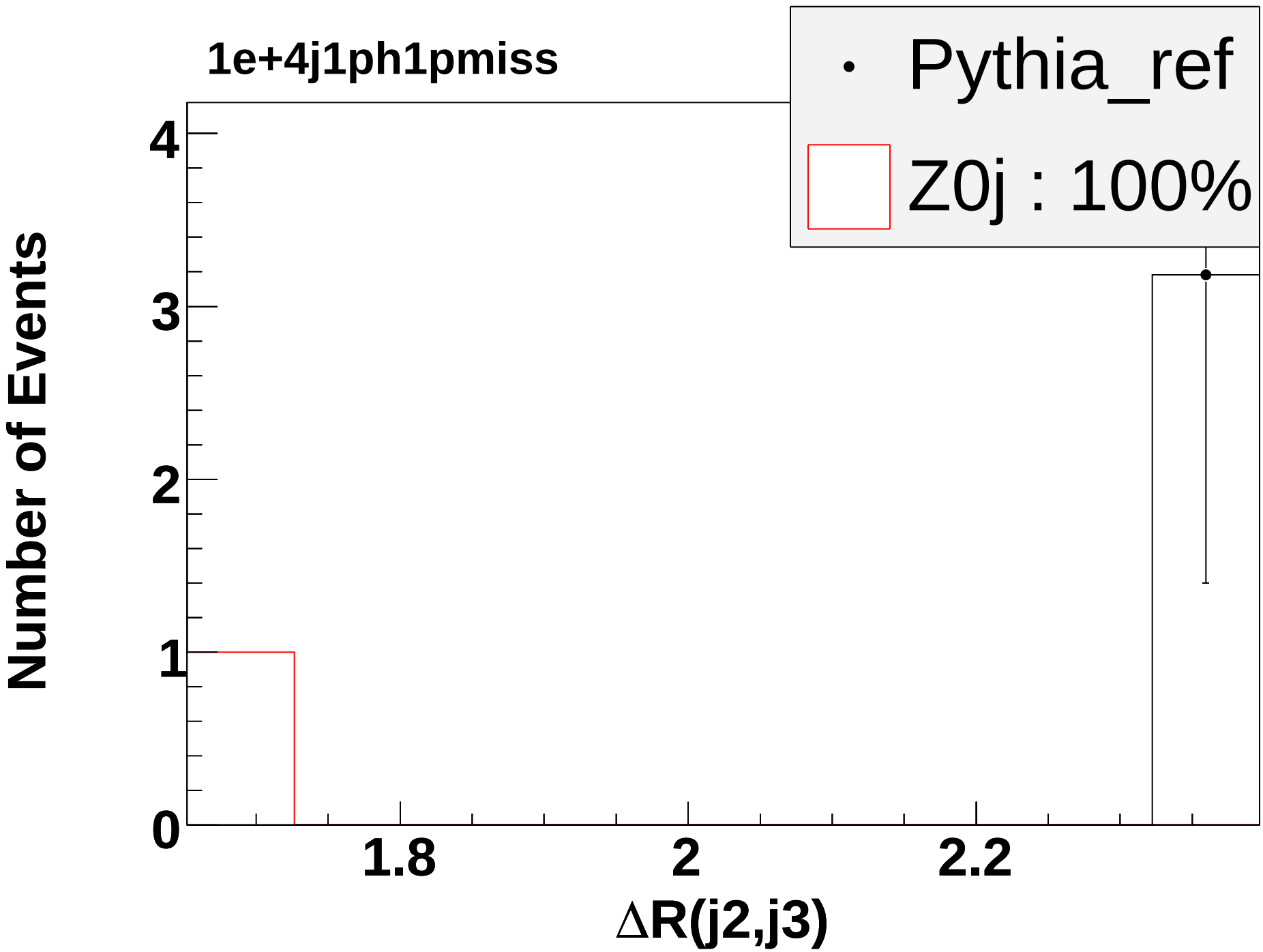

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
3
3.2
3.4
ΔR(γ,j3)

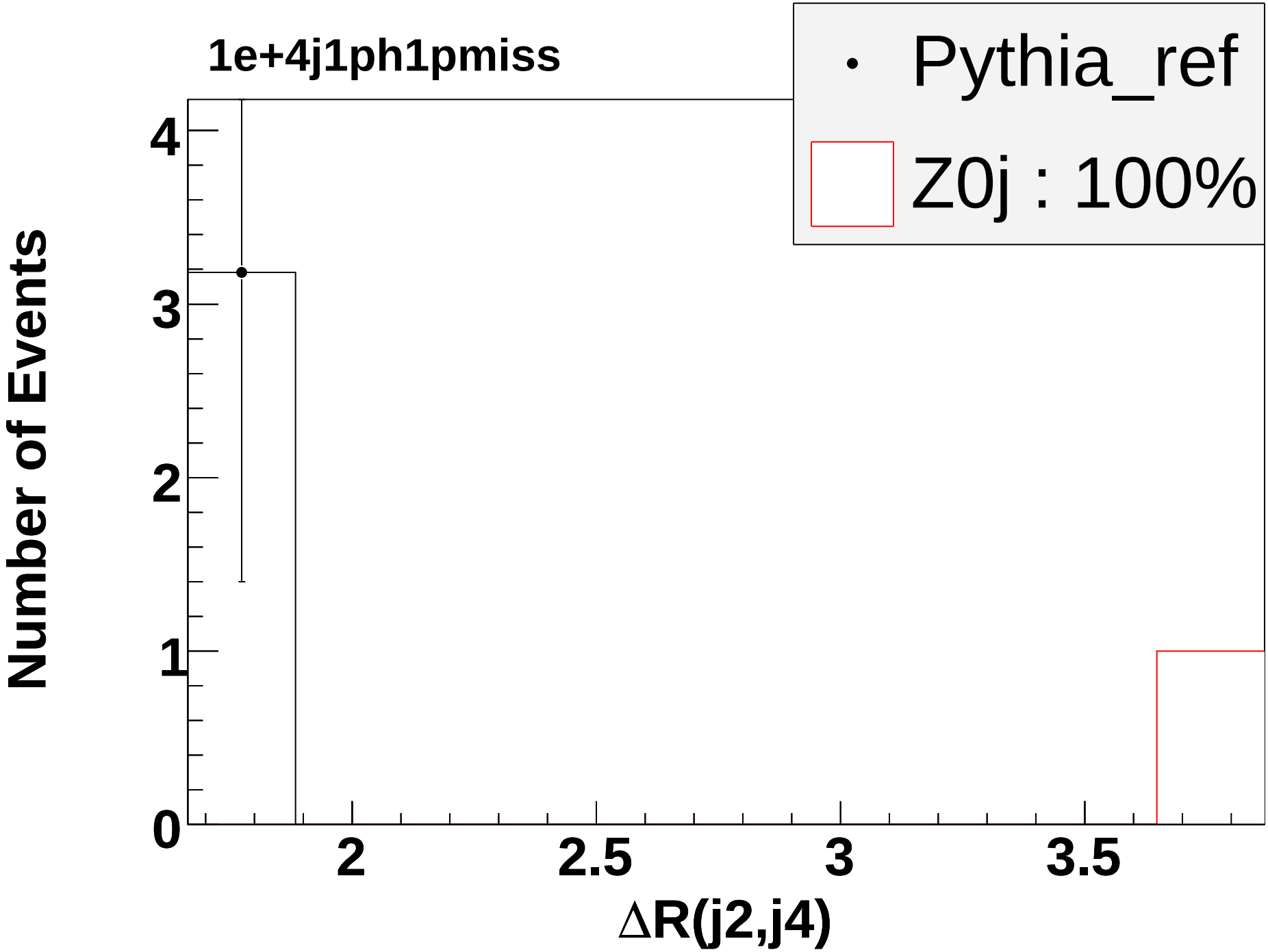

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
2
3
4
ΔR(γ,j4)

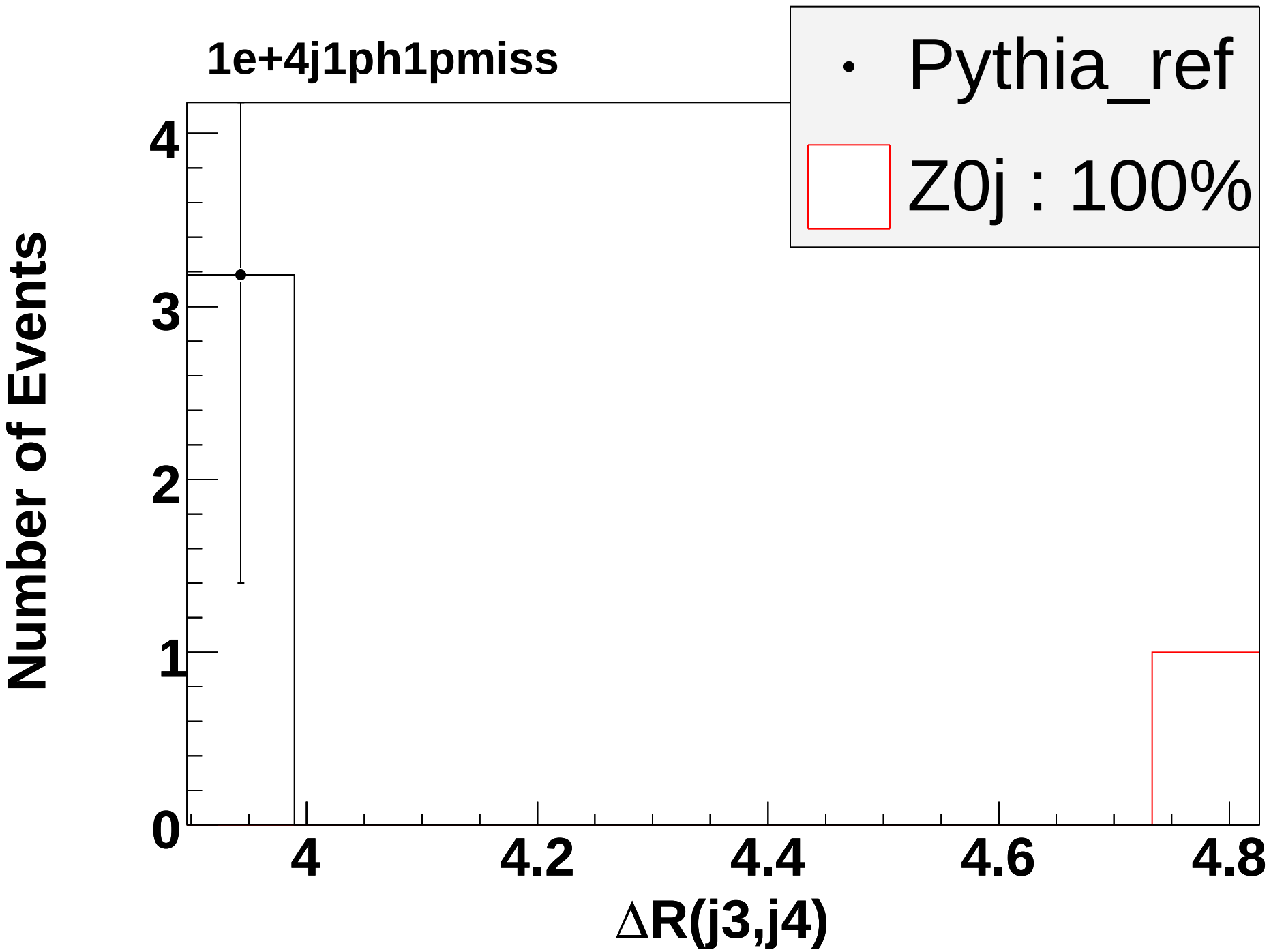

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
2
2.5
3
3.5
ΔR(j1,j2)

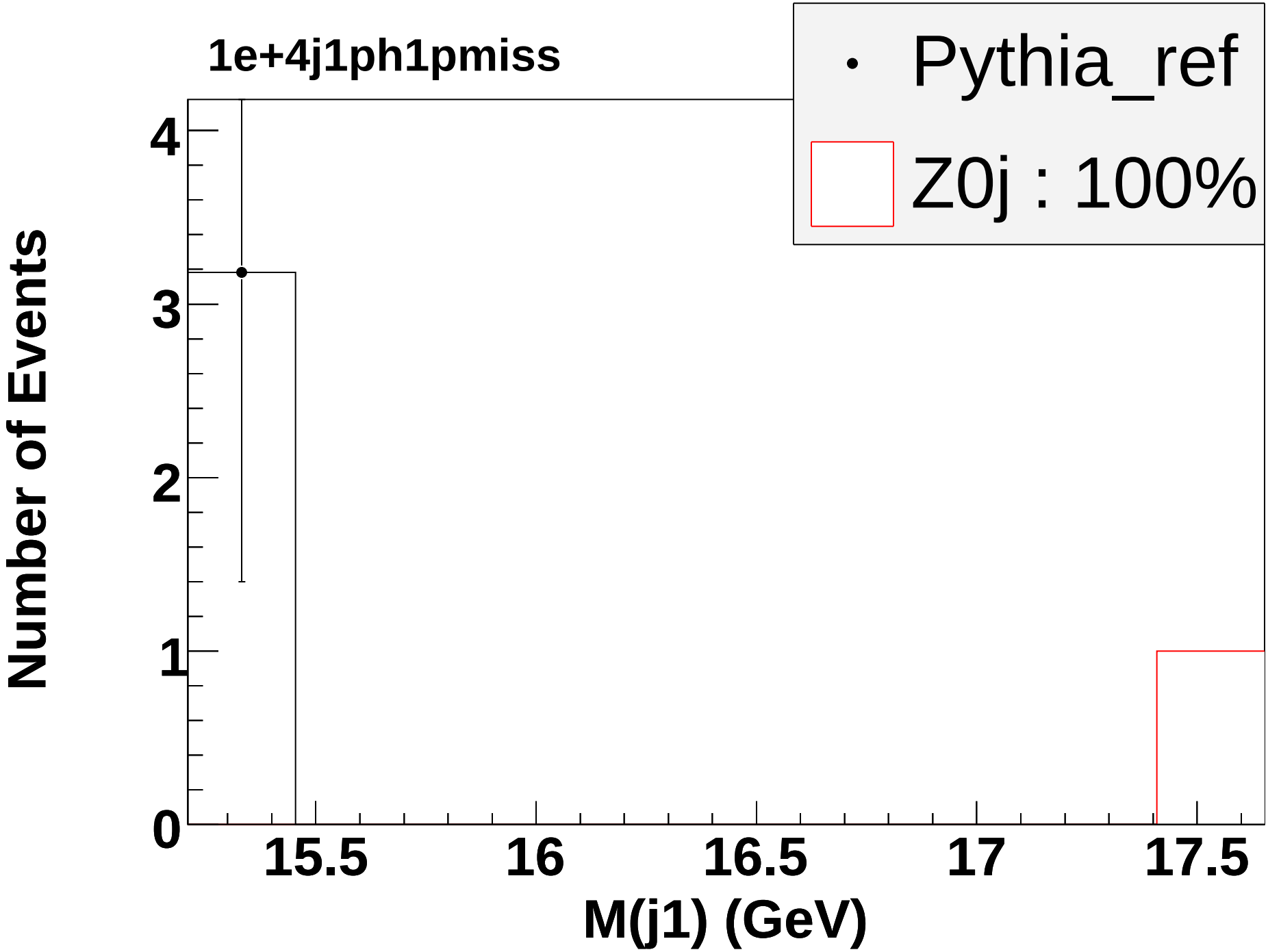

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
3
3.5
4
4.5
5
ΔR(j1,j3)

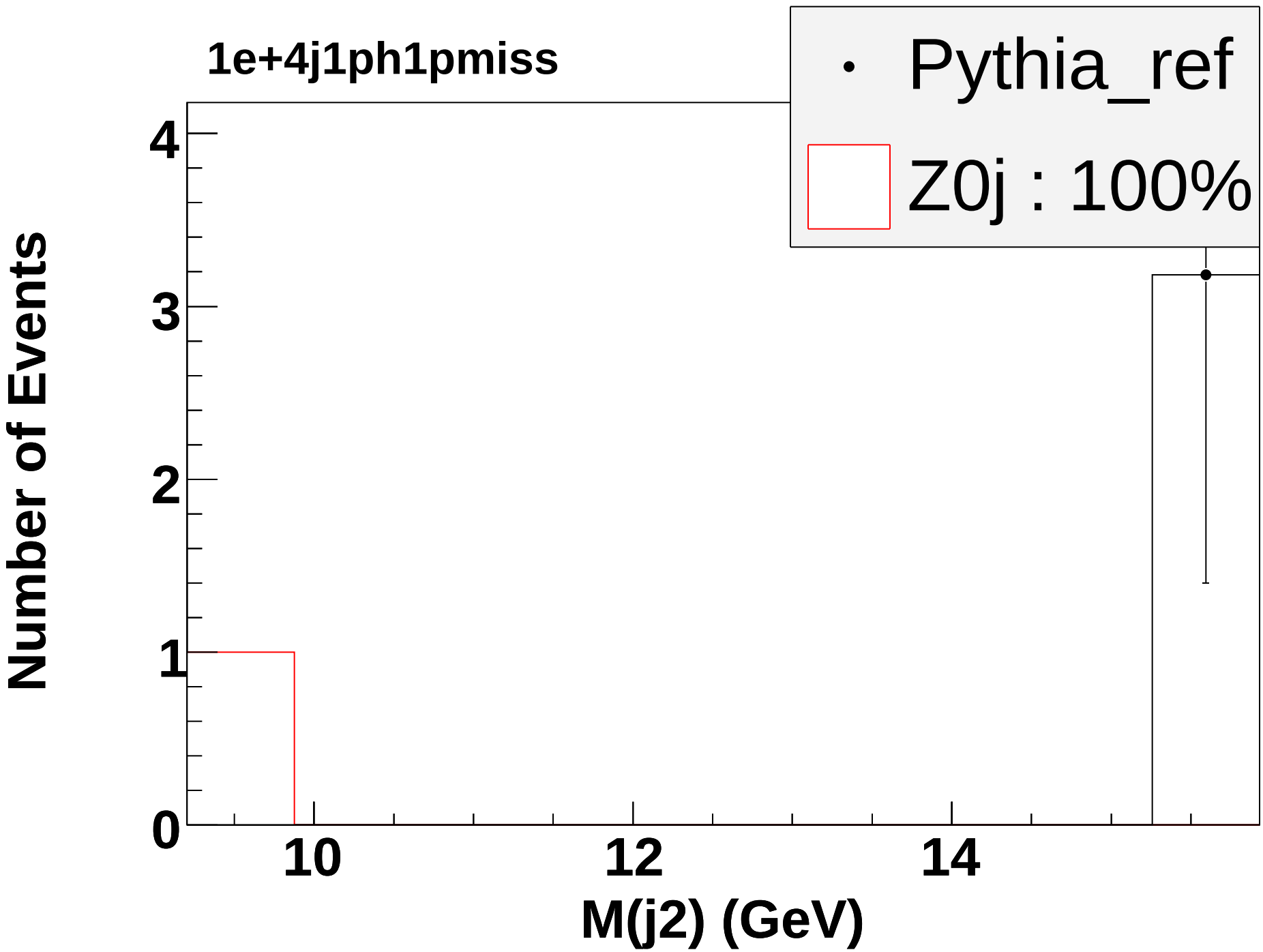

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
3
3.5
4
ΔR(j1,j4)

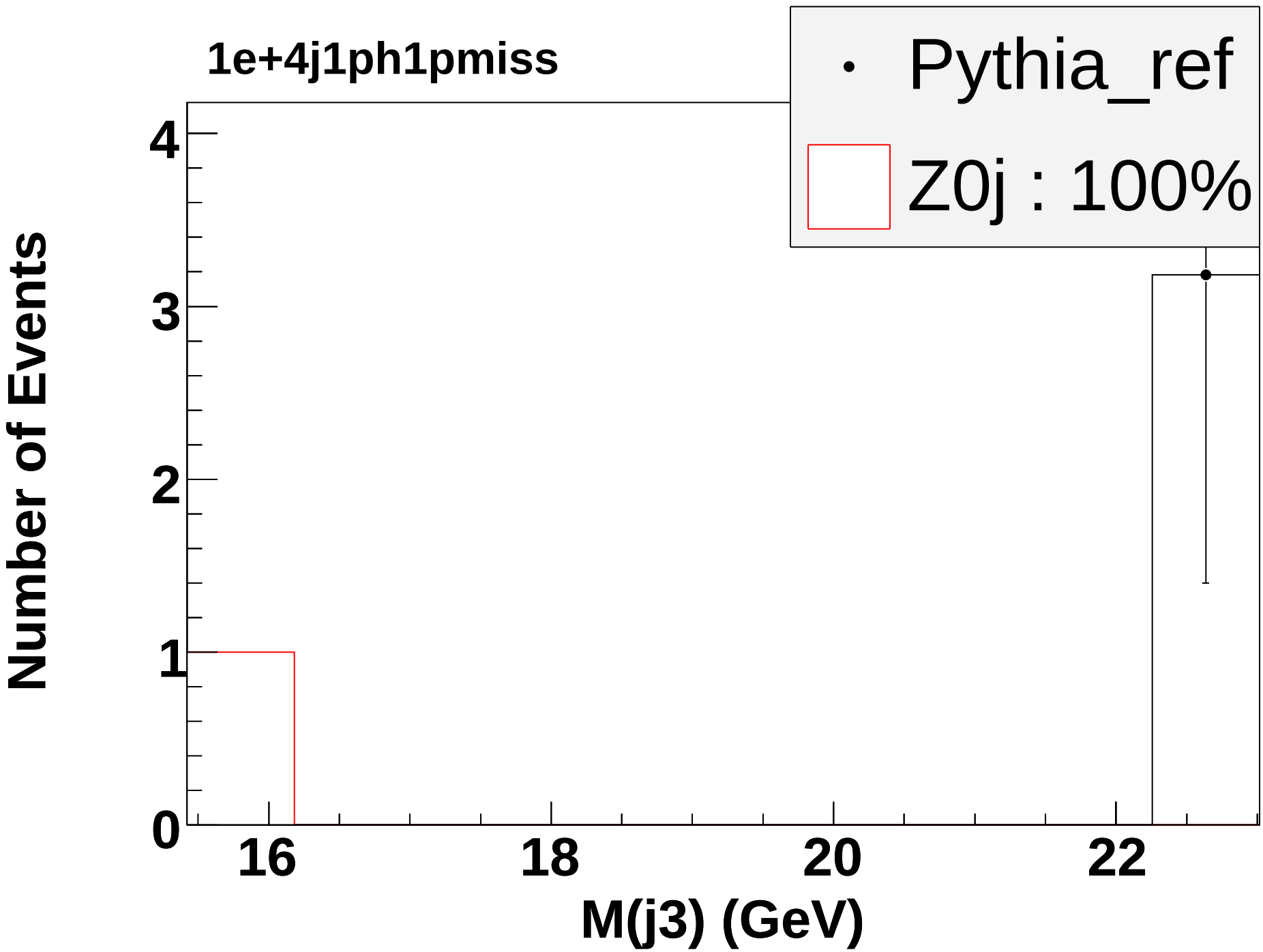

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
1.8
2
2.2
ΔR(j2,j3)

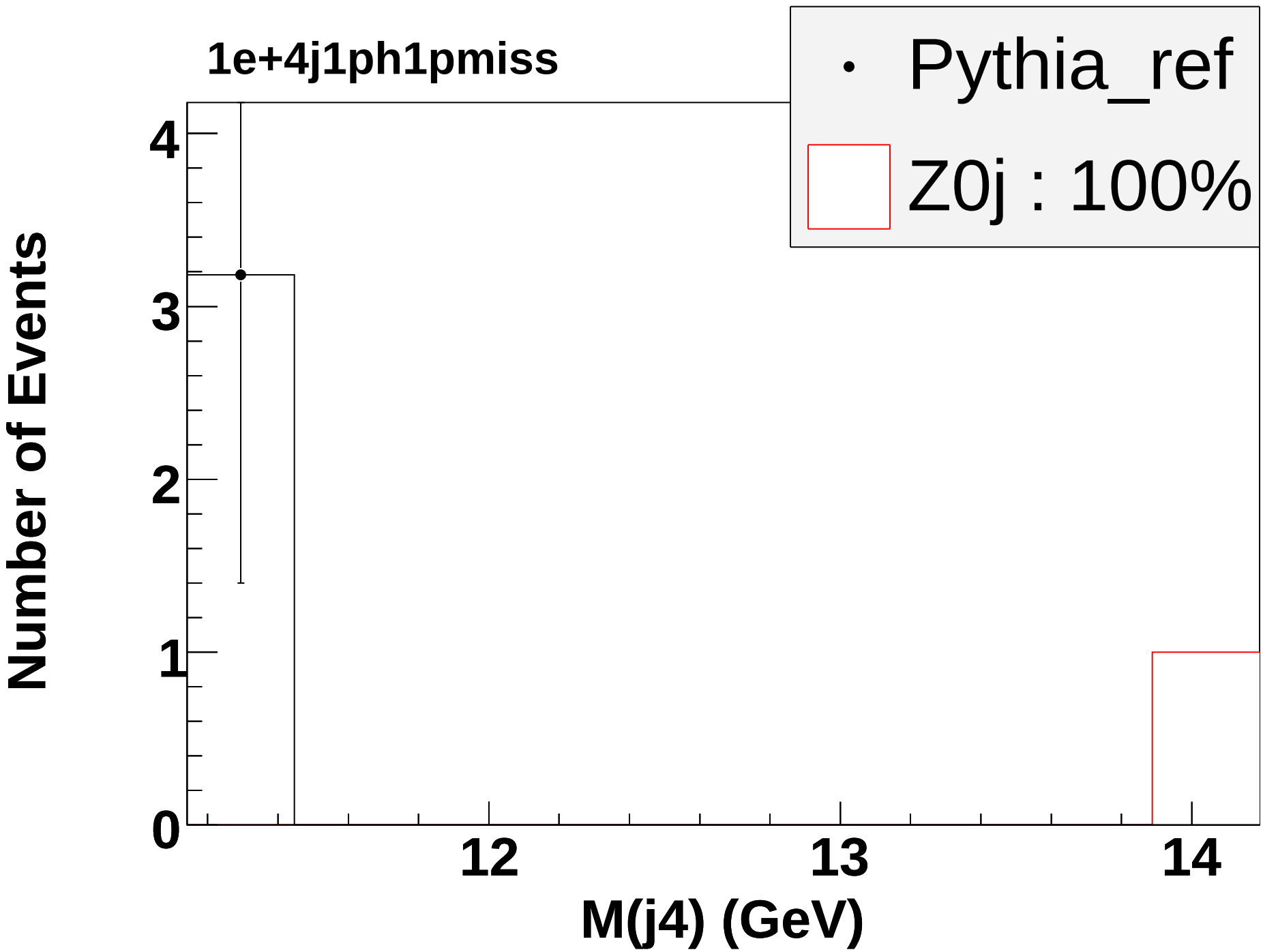

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
2
2.5
3
3.5
ΔR(j2,j4)

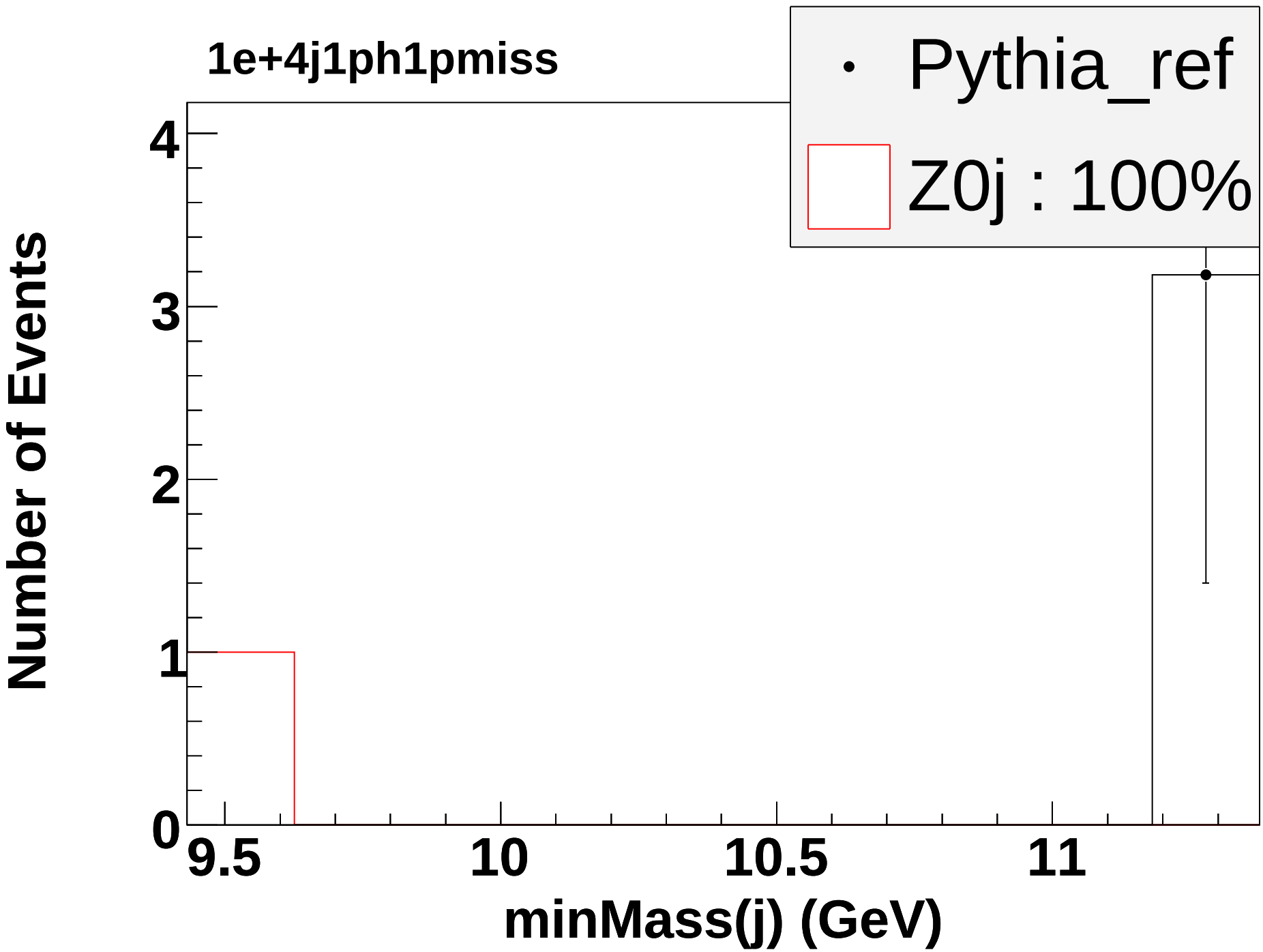

1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
4
4.2
4.4
4.6
4.8
ΔR(j3,j4)


1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
15.5
16
16.5
17
17.5
M(j1) (GeV)


1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
10
12
14
M(j2) (GeV)


1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
16
18
20
22
M(j3) (GeV)


1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
12
13
14
M(j4) (GeV)


1e+4j1ph1pmiss
Pythia_ref
Z0j : 100%
Number of Events
0
1
2
3
4
9.5
10
10.5
11
minMass(j) (GeV)