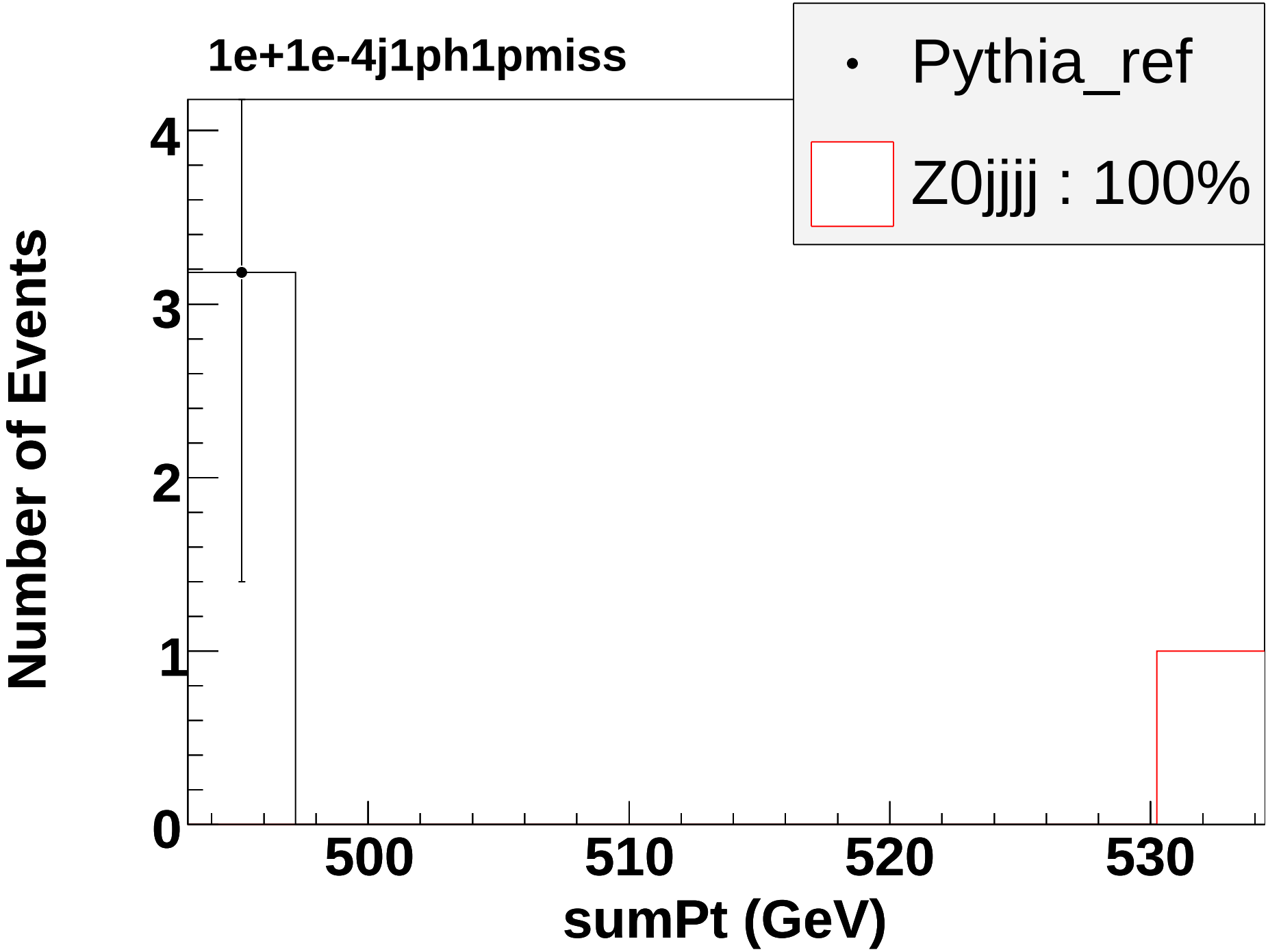
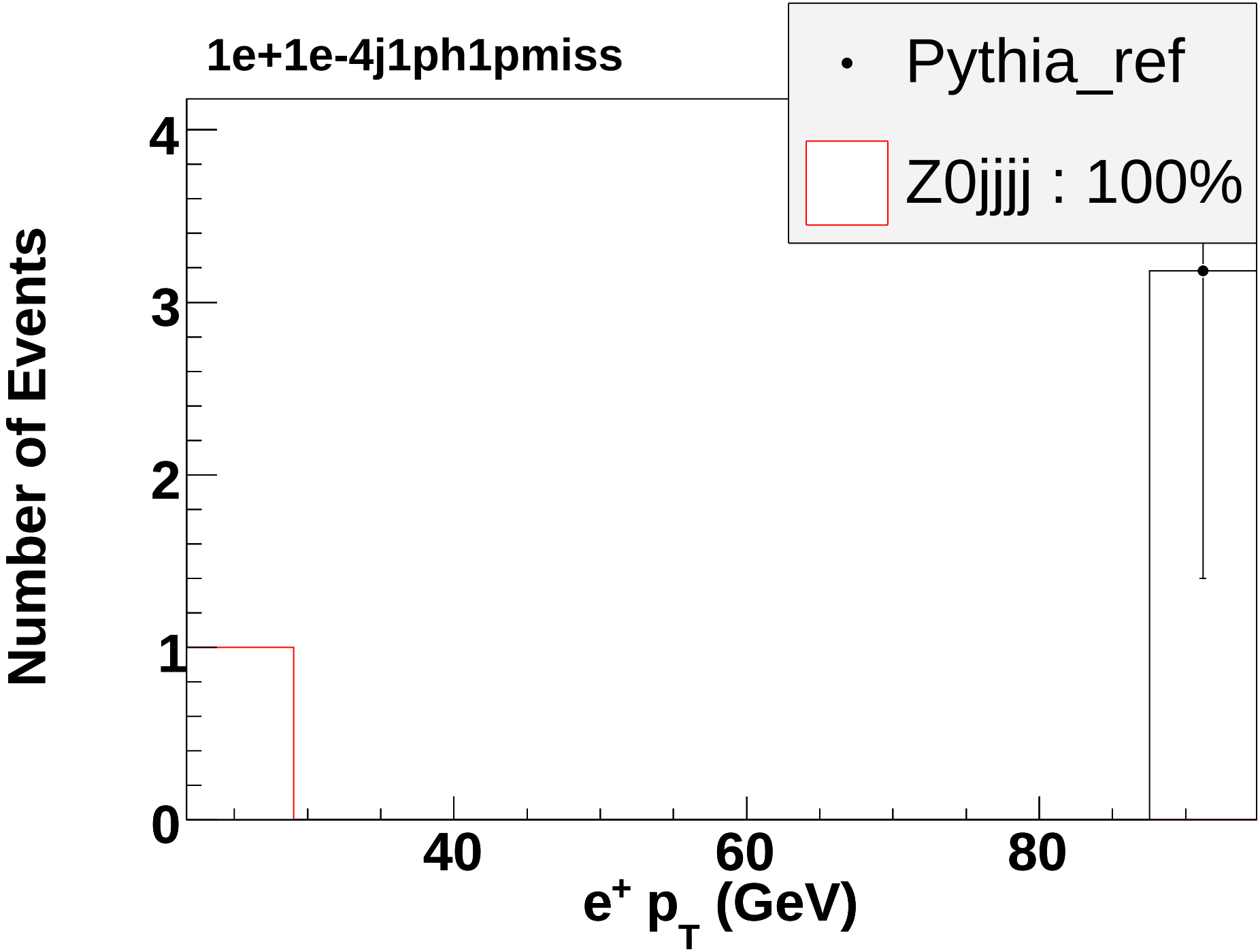
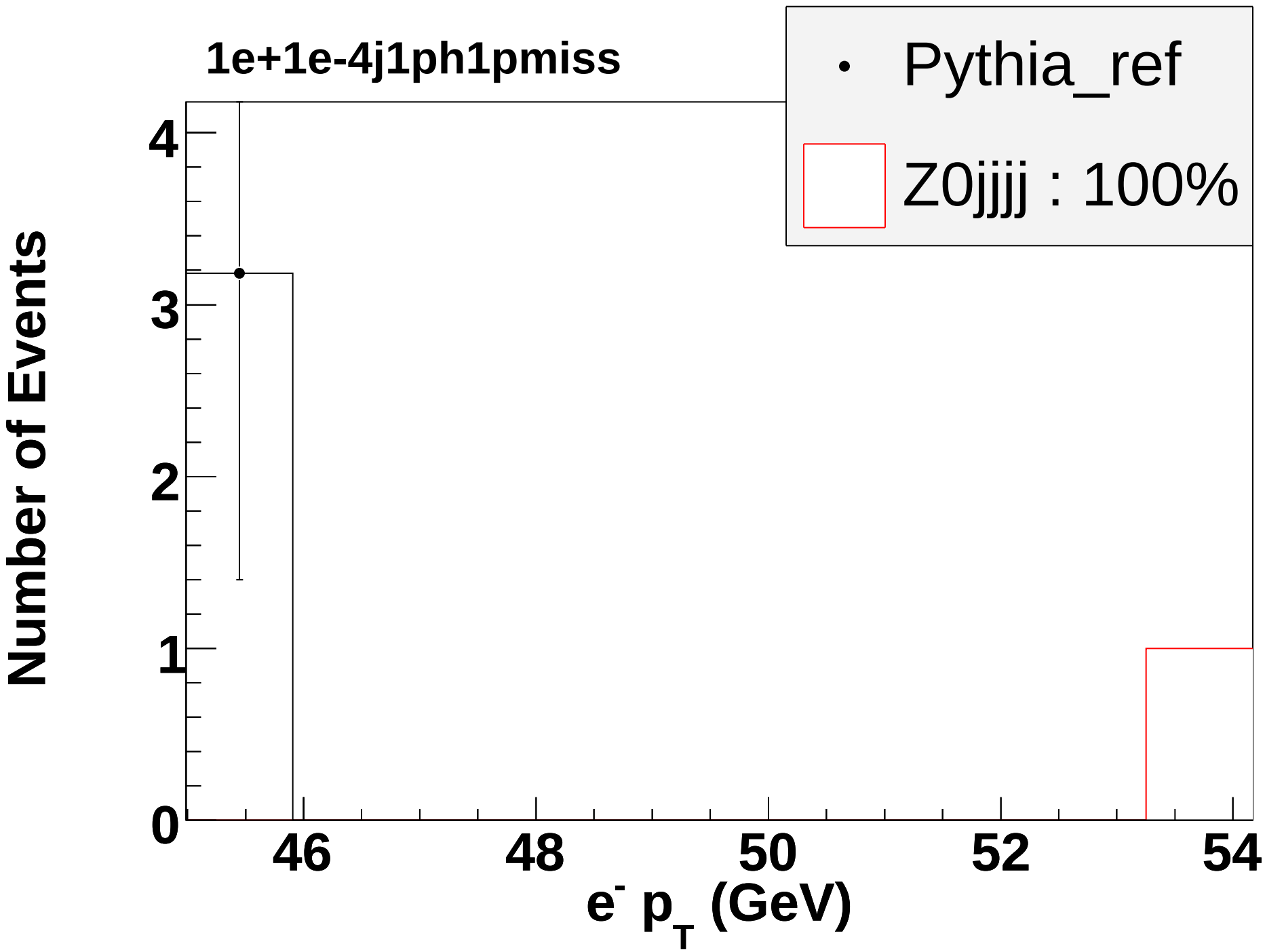
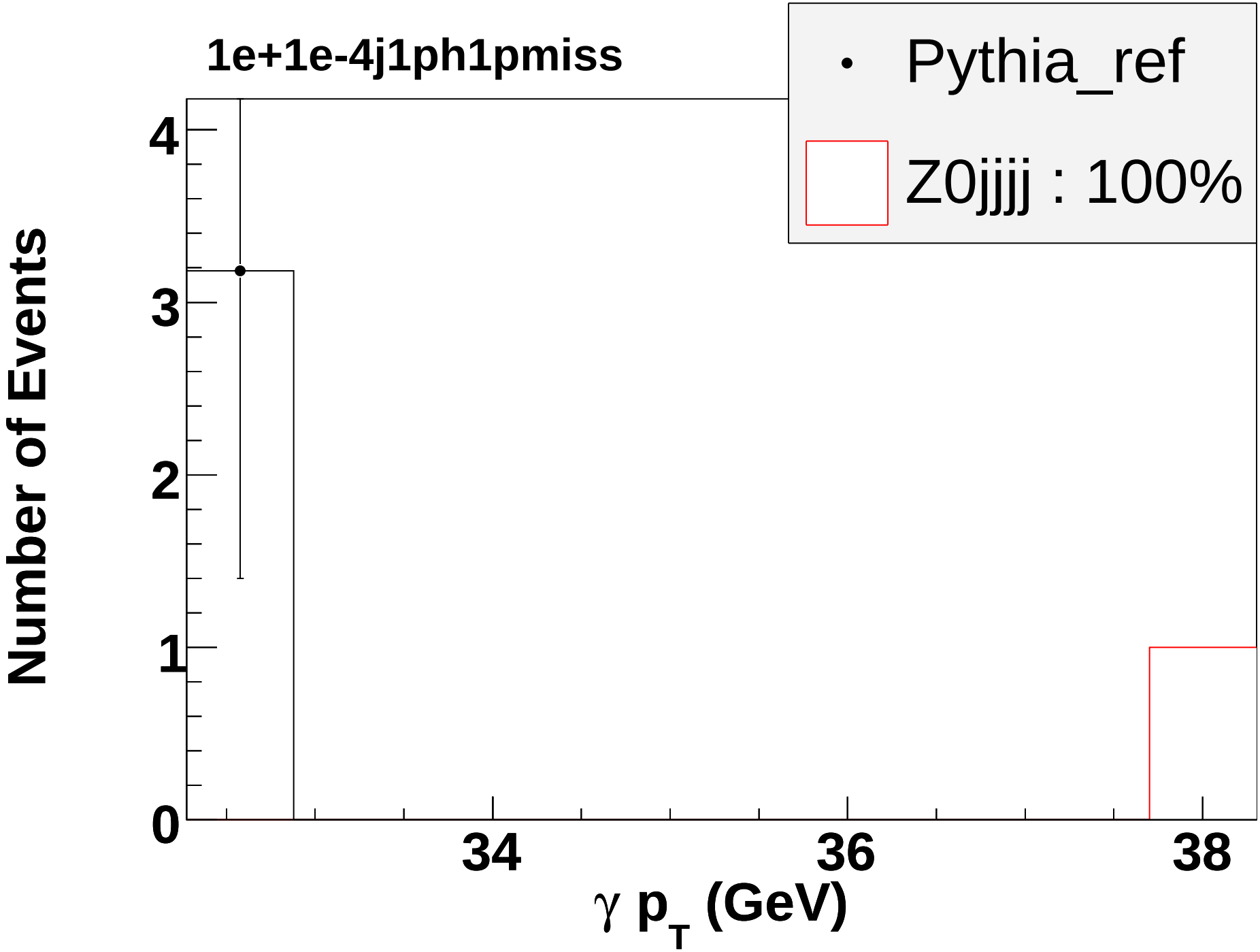
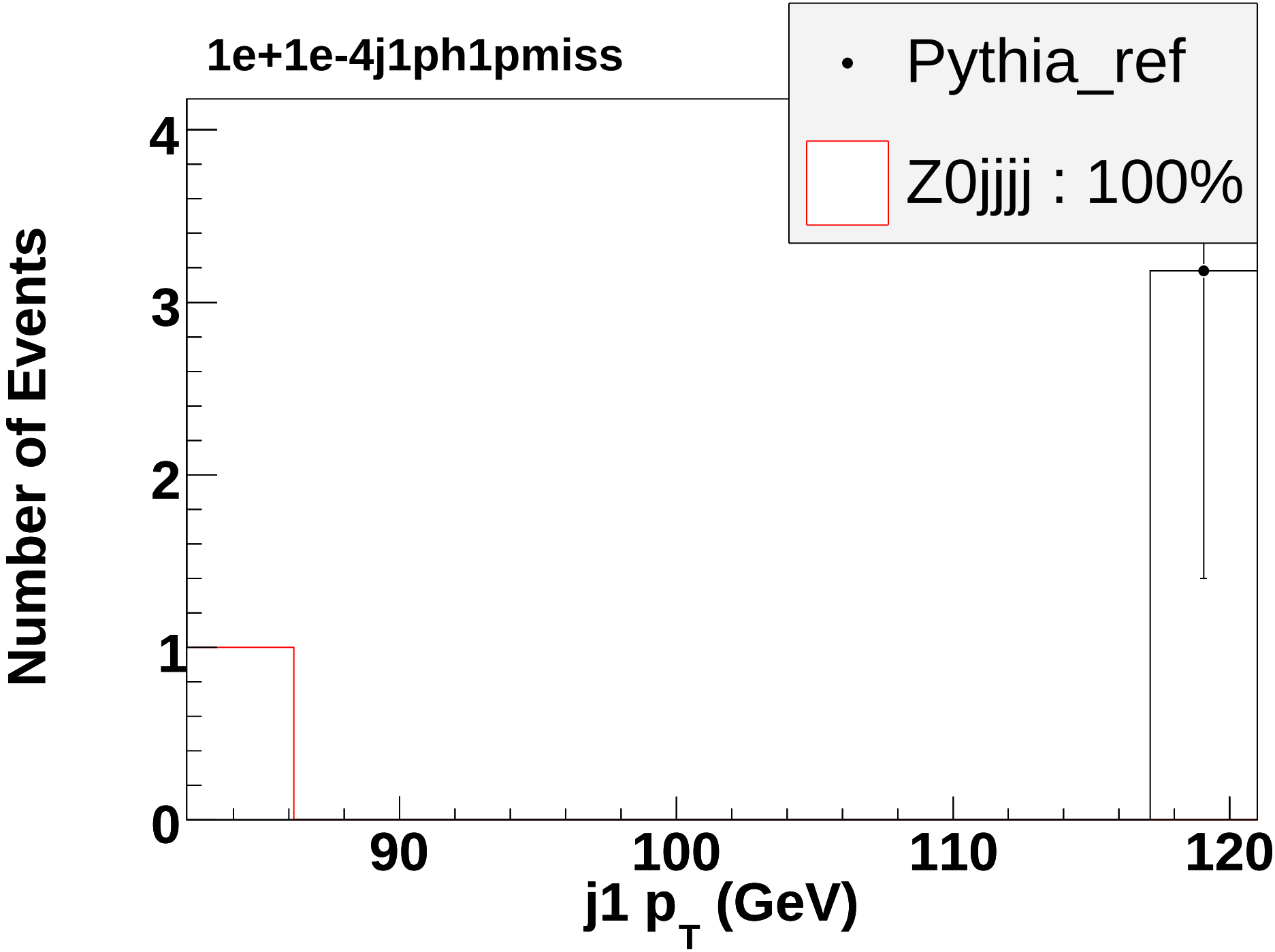
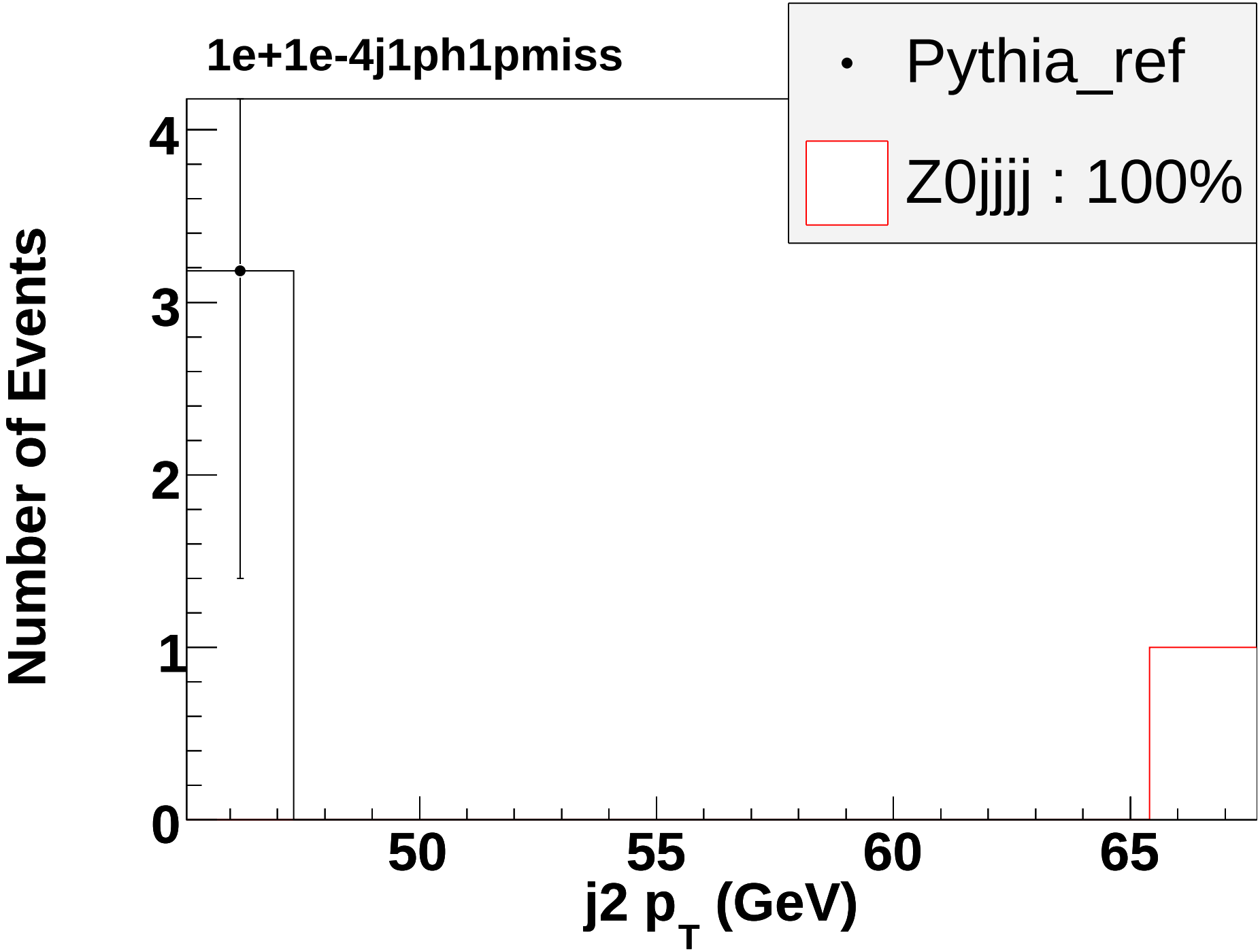

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
500
510
520
530
sumPt (GeV)

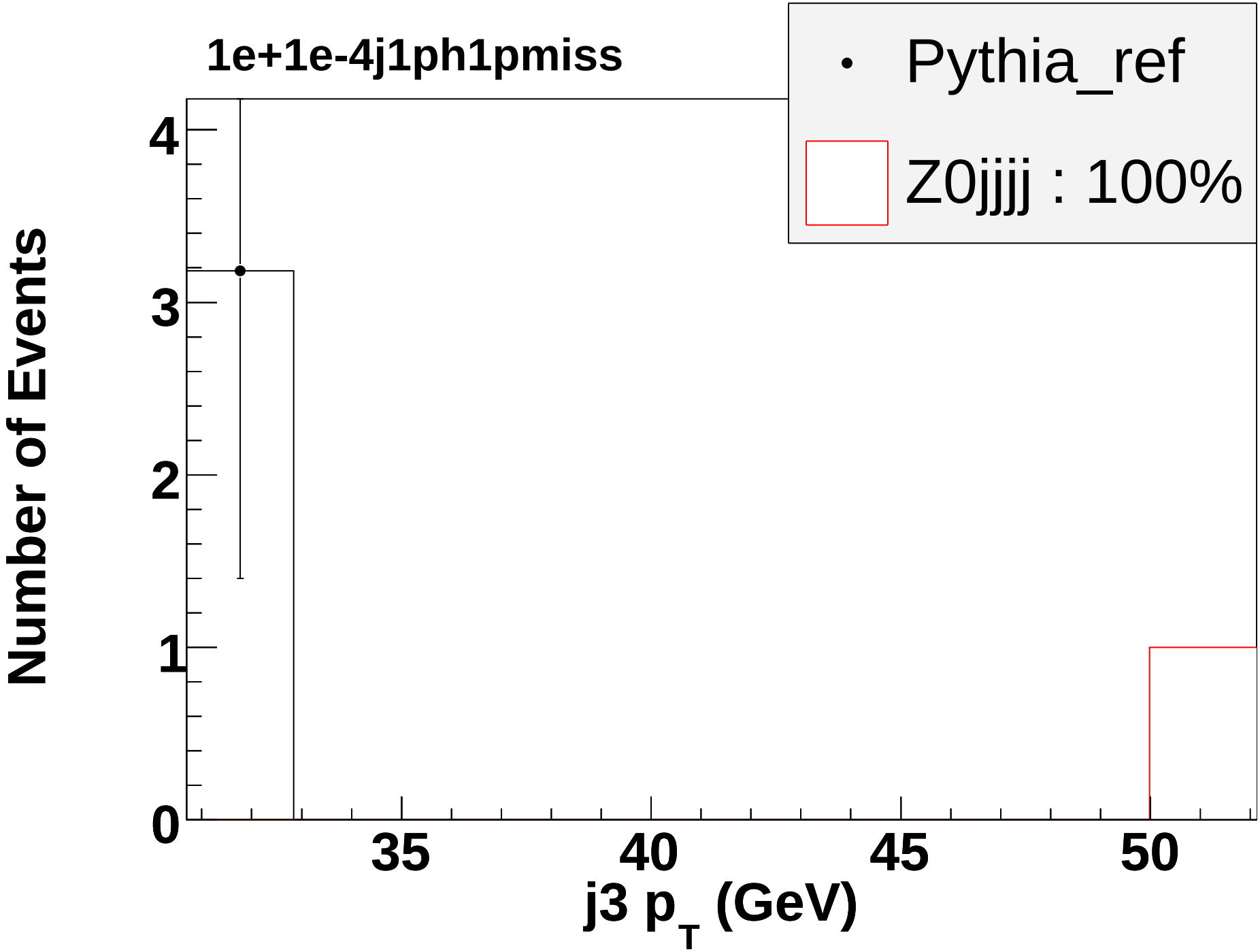

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
40
60
80
e+ pT (GeV)

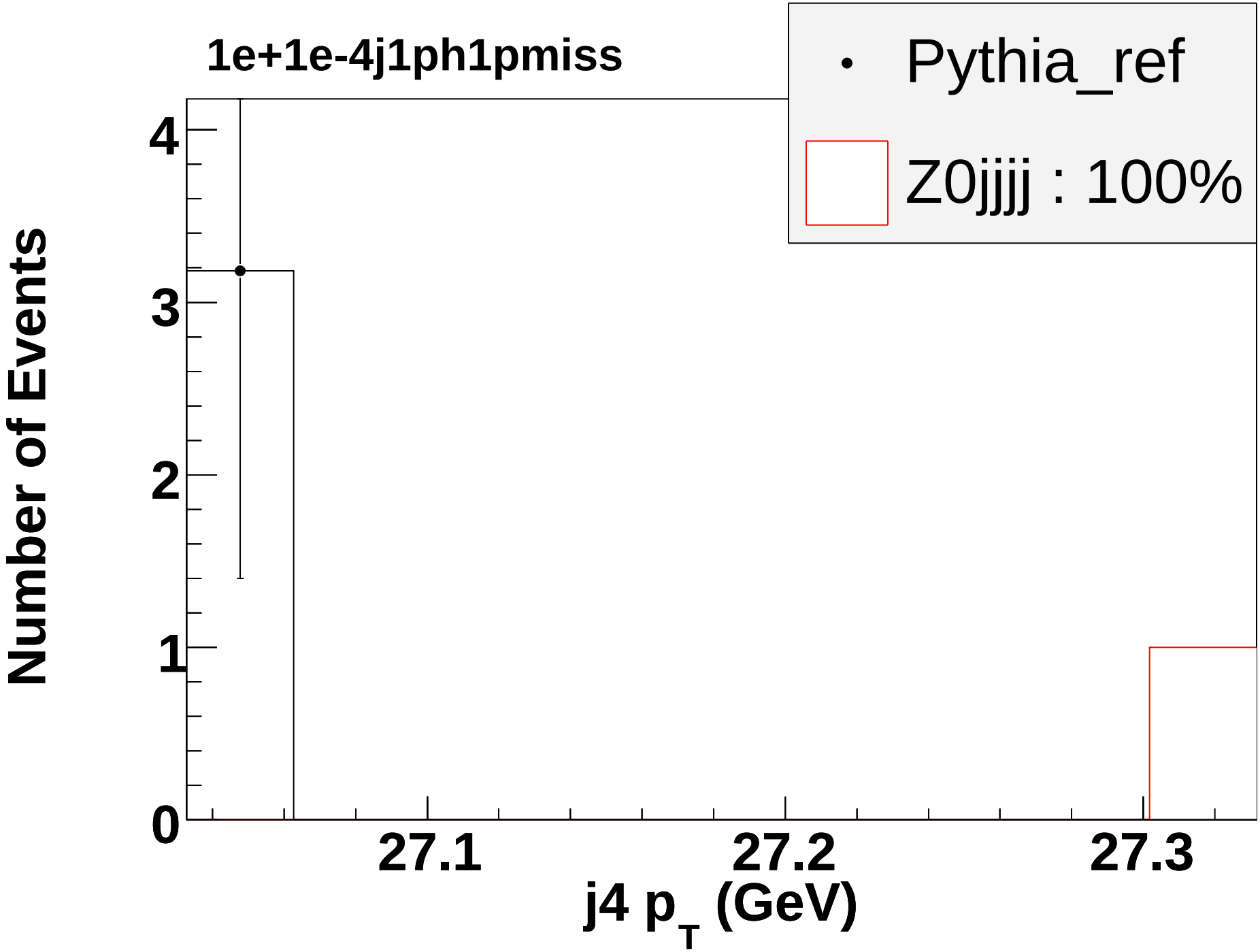

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
46
48
50
52
54
e- pT (GeV)

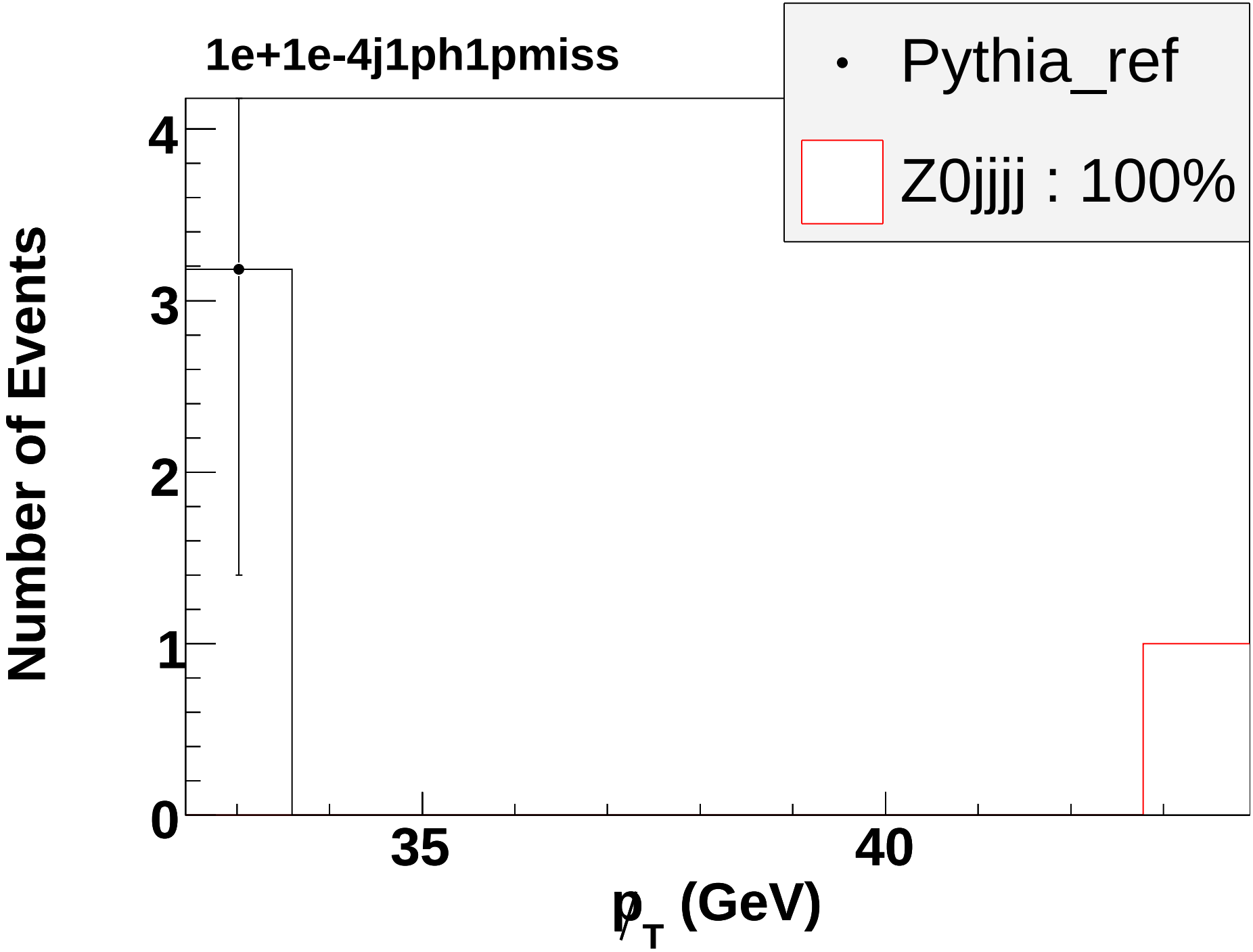

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
34
36
38
γ p_T (GeV)

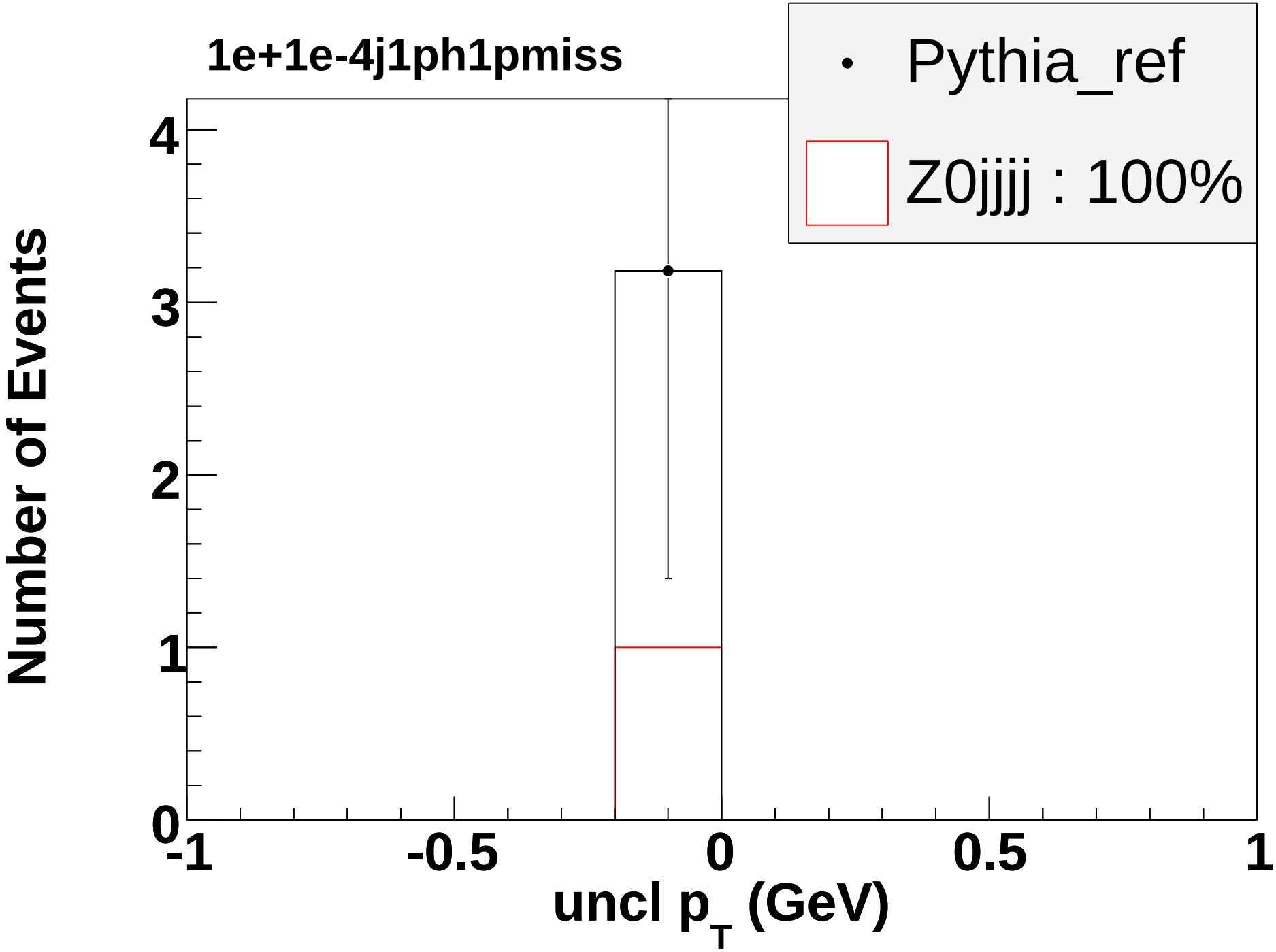

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
90
100
110
120
j1 p_T (GeV)

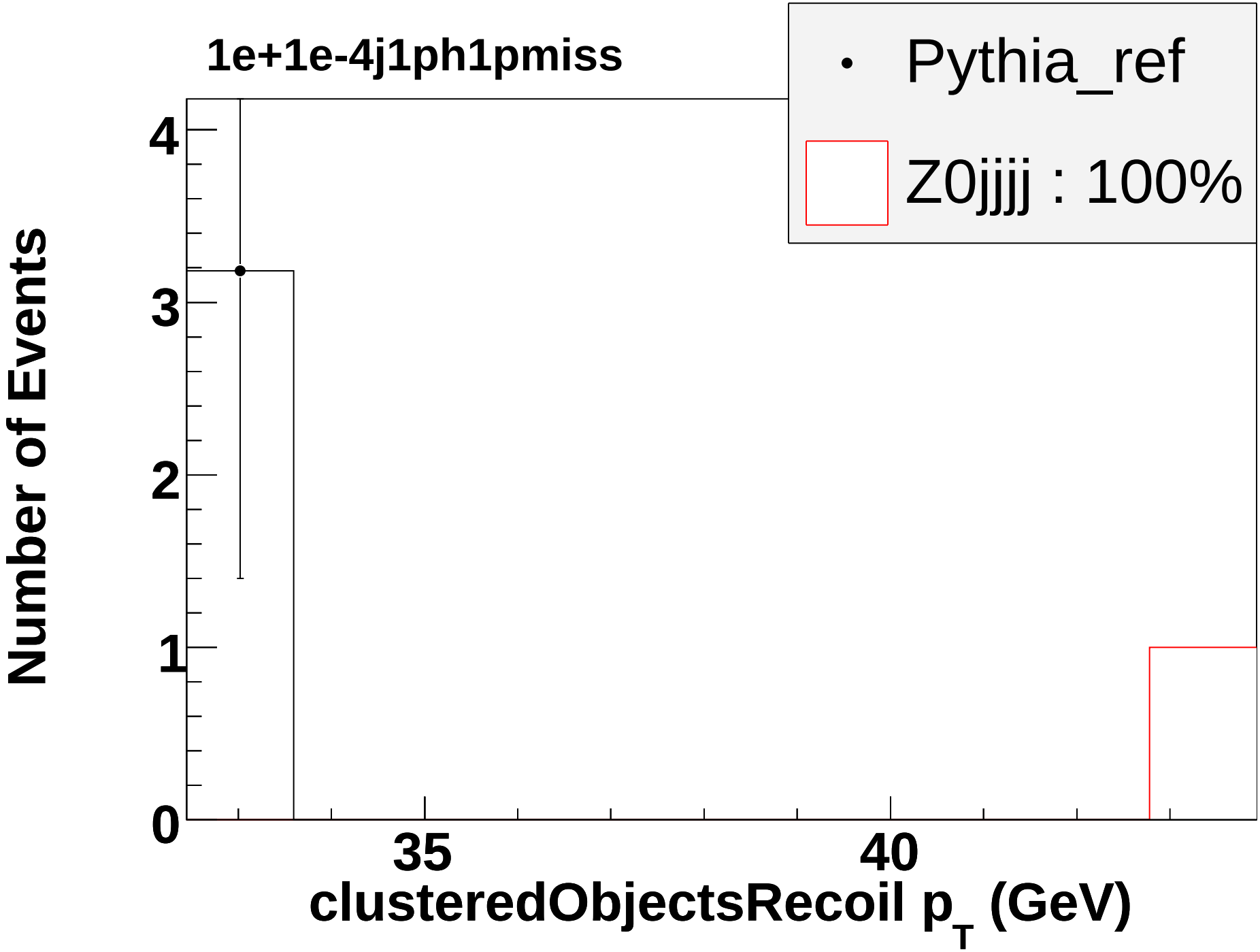

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
50
55
60
65
j2 p_T (GeV)

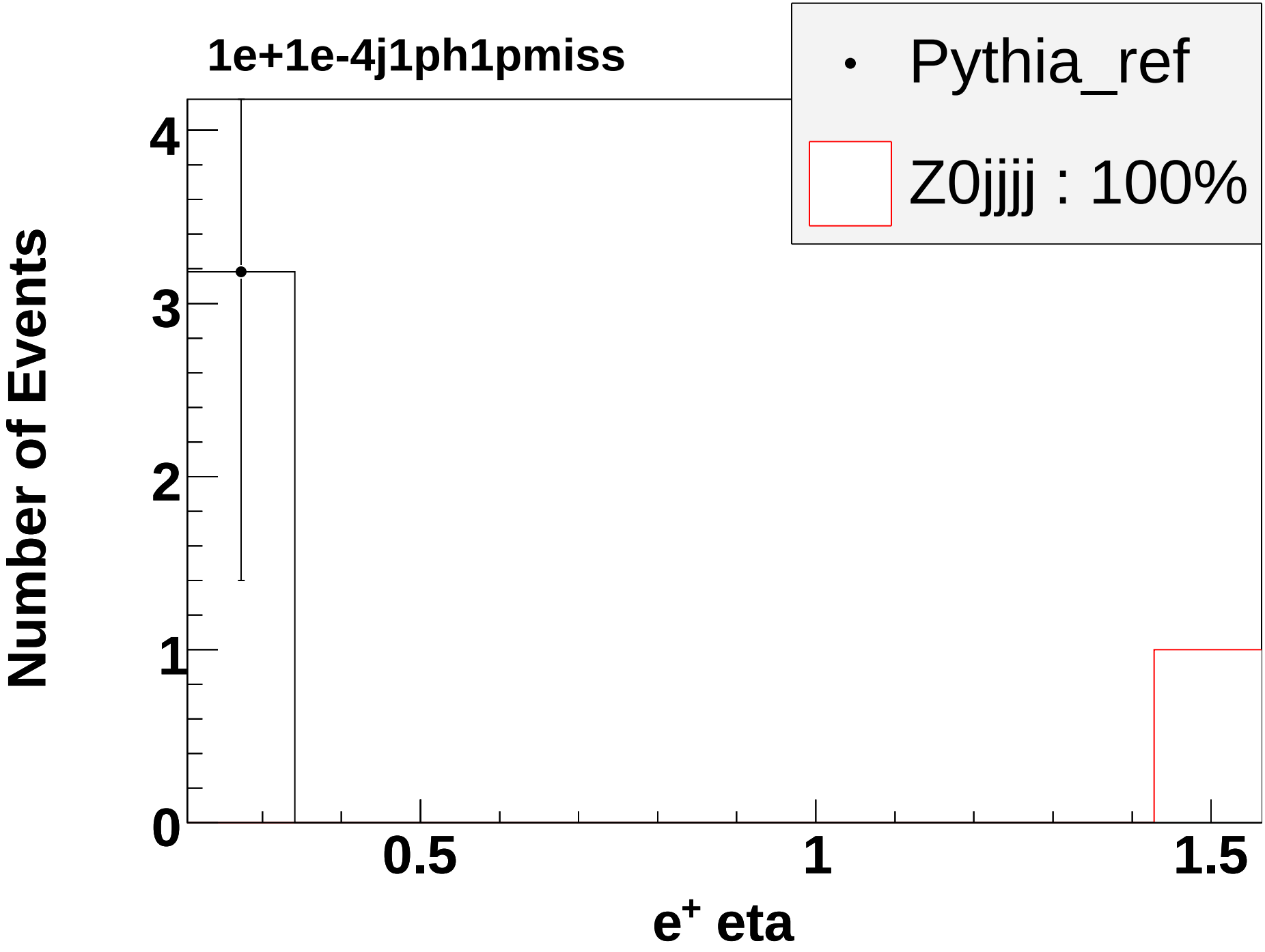

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
35
40
45
50
j3 p_T (GeV)

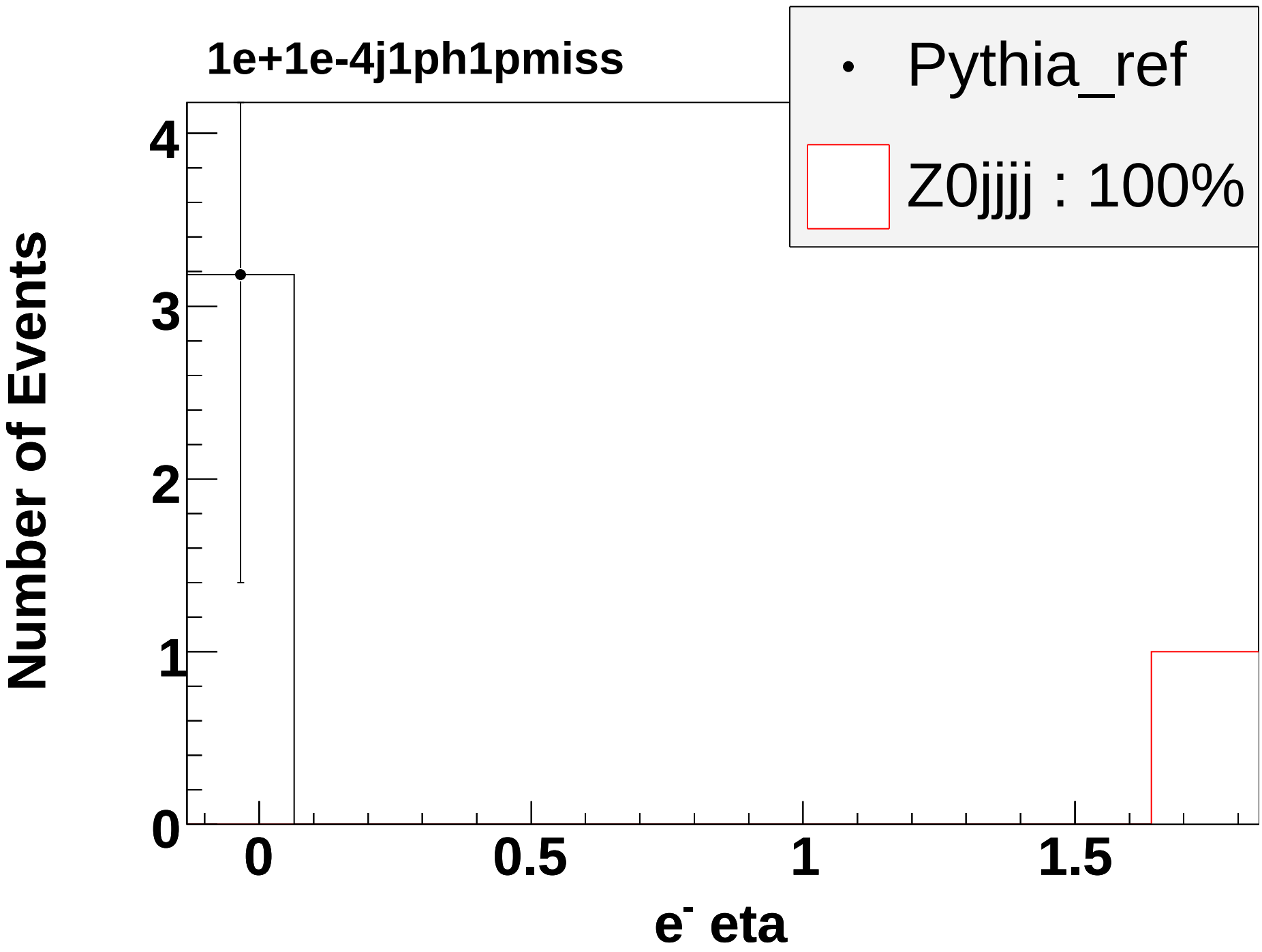

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
27.1
27.2
27.3
j4 p_T (GeV)

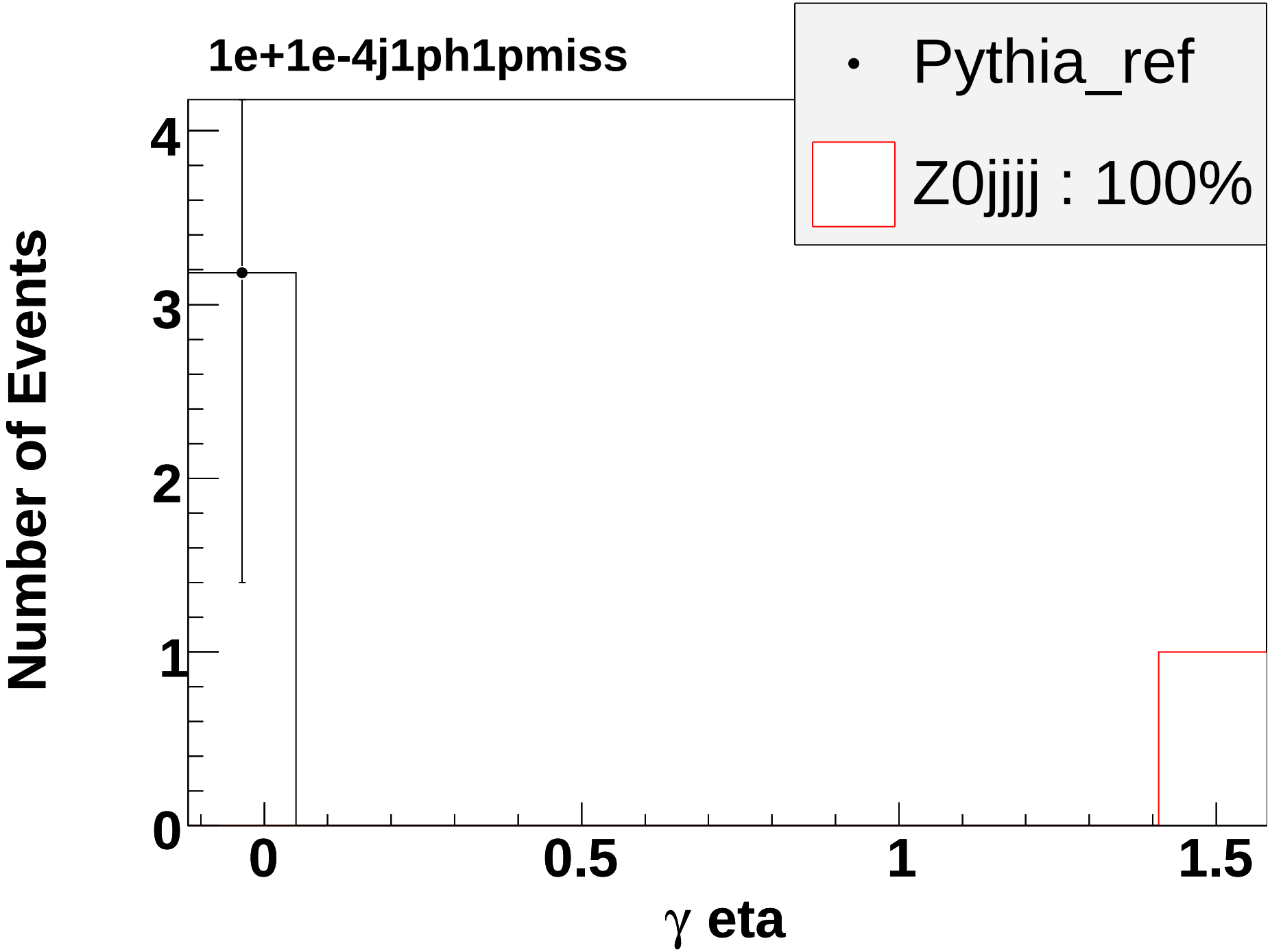

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
35
40
p_T (GeV)

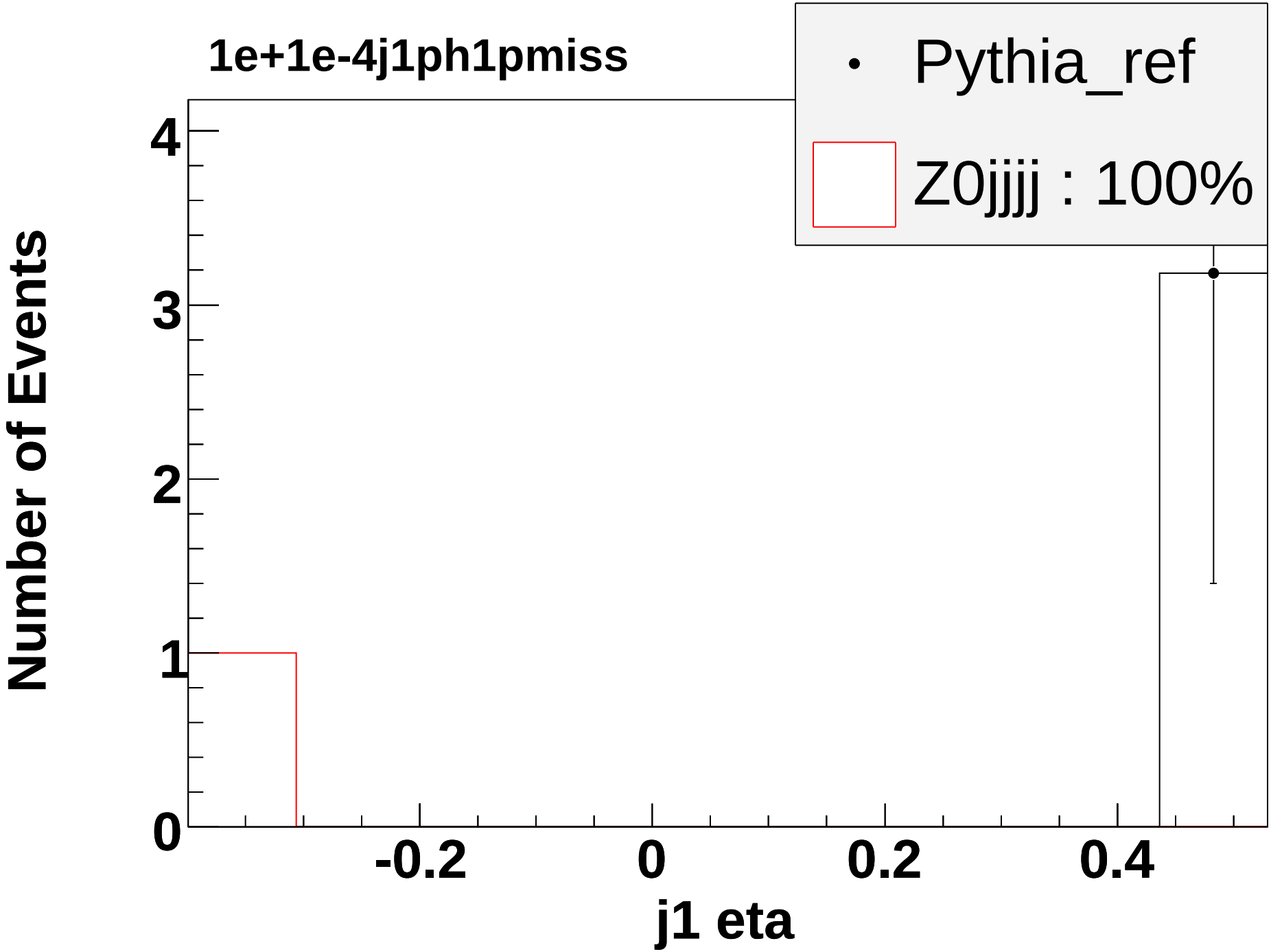

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
-1
-0.5
0
0.5
1
uncl p_T (GeV)

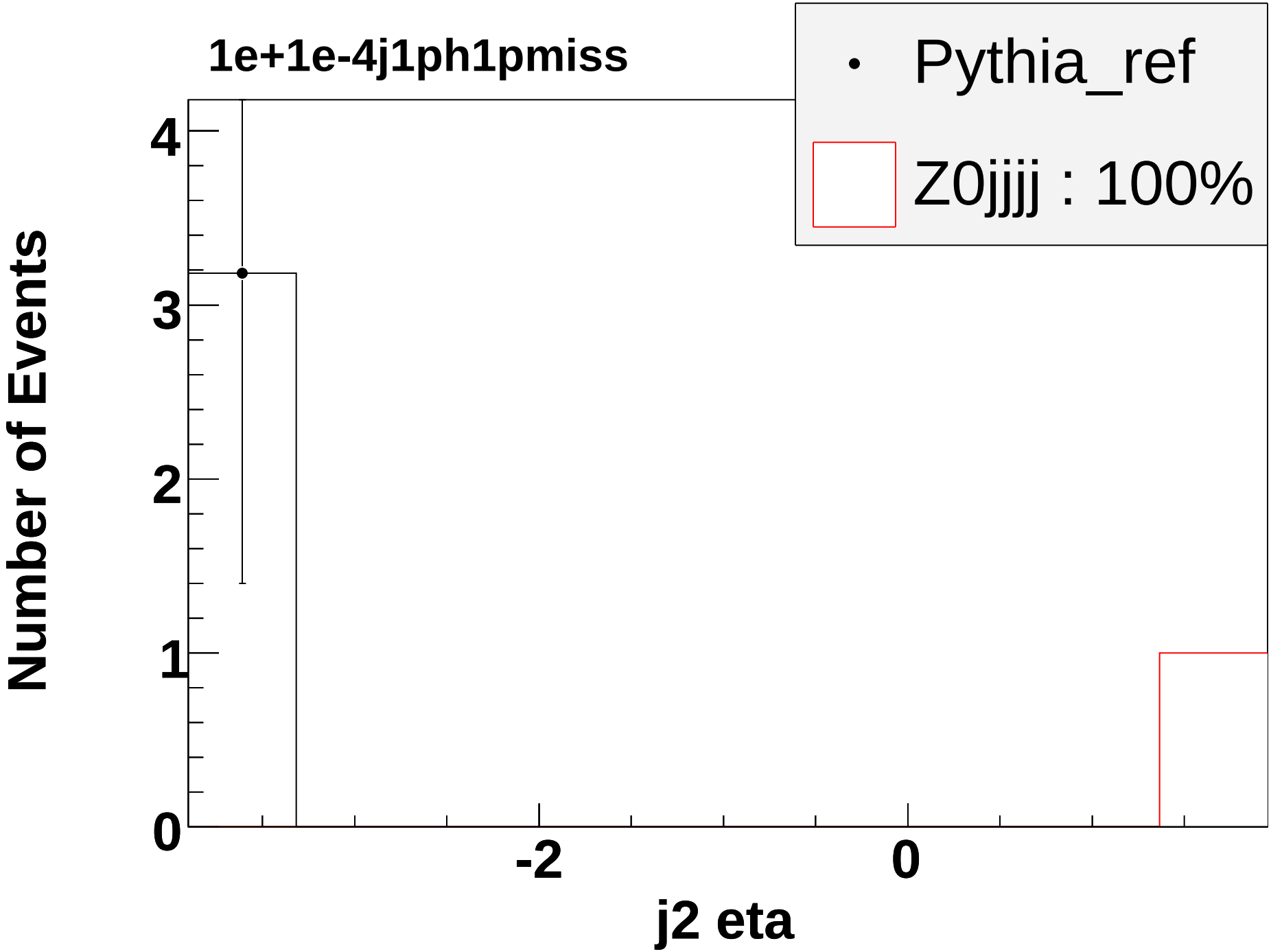

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
35
40
clusteredObjectsRecoil p_T (GeV)

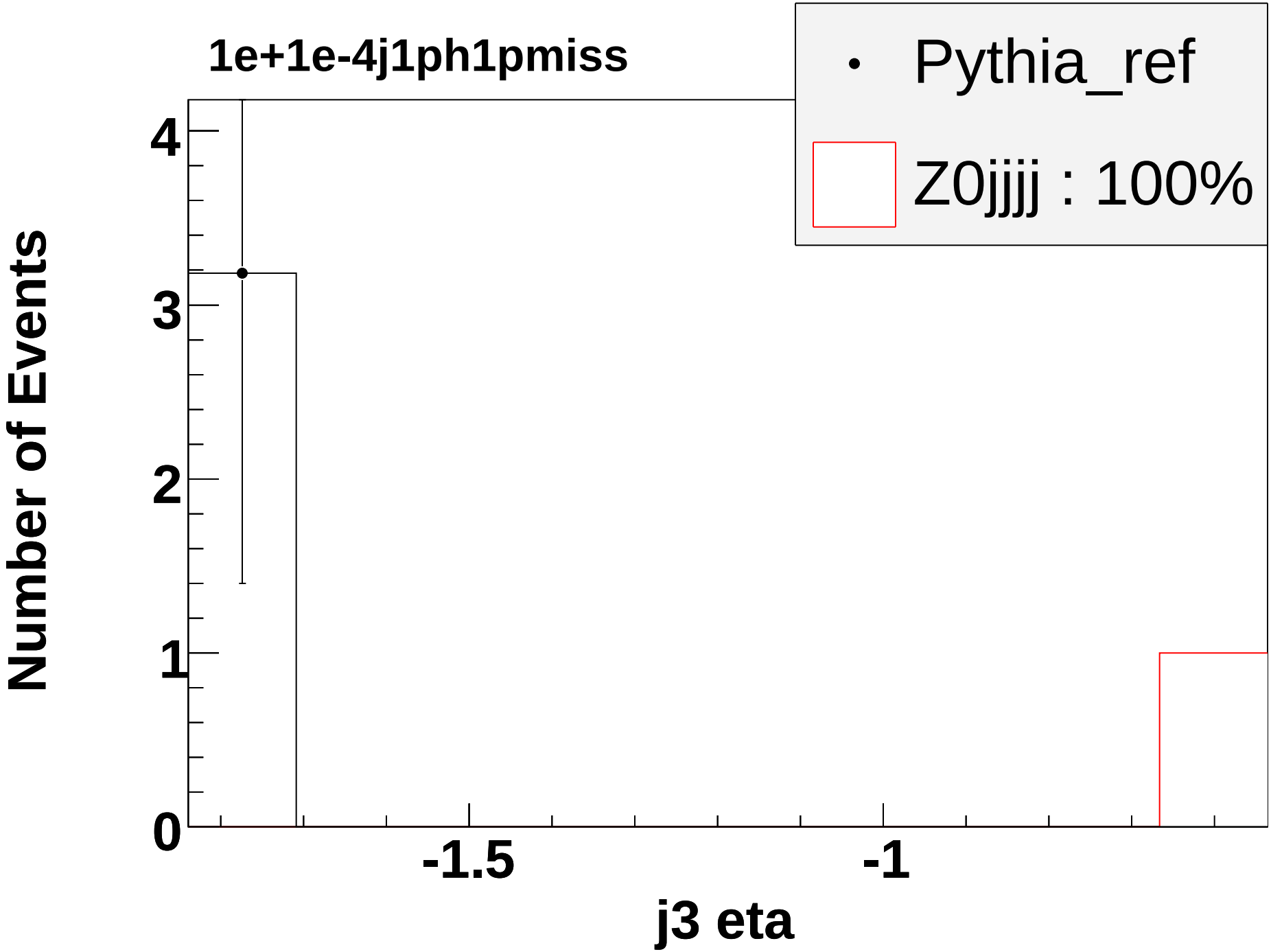

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
0.5
1
1.5
e+ eta

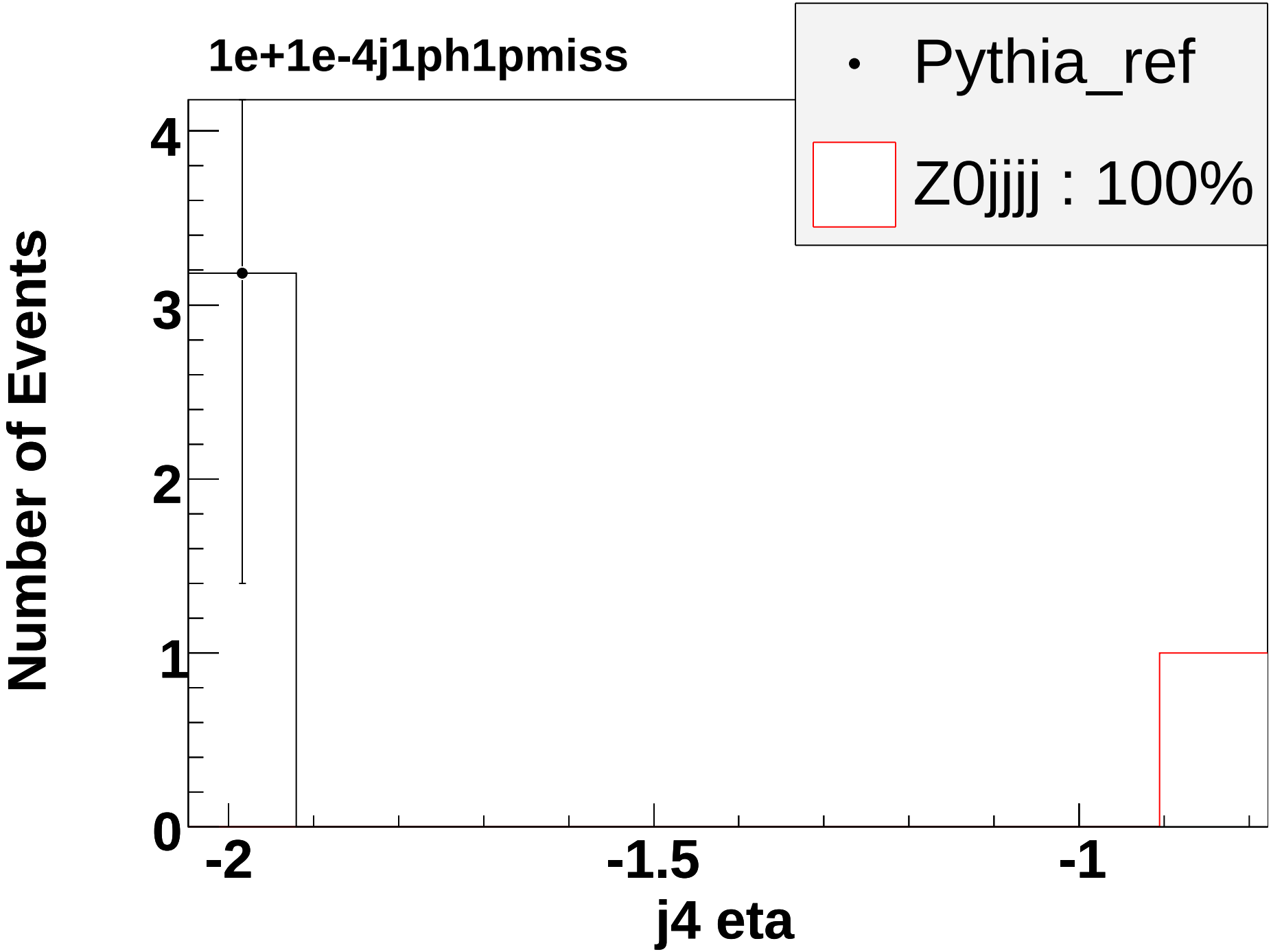

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
0
0.5
1
1.5
e- eta

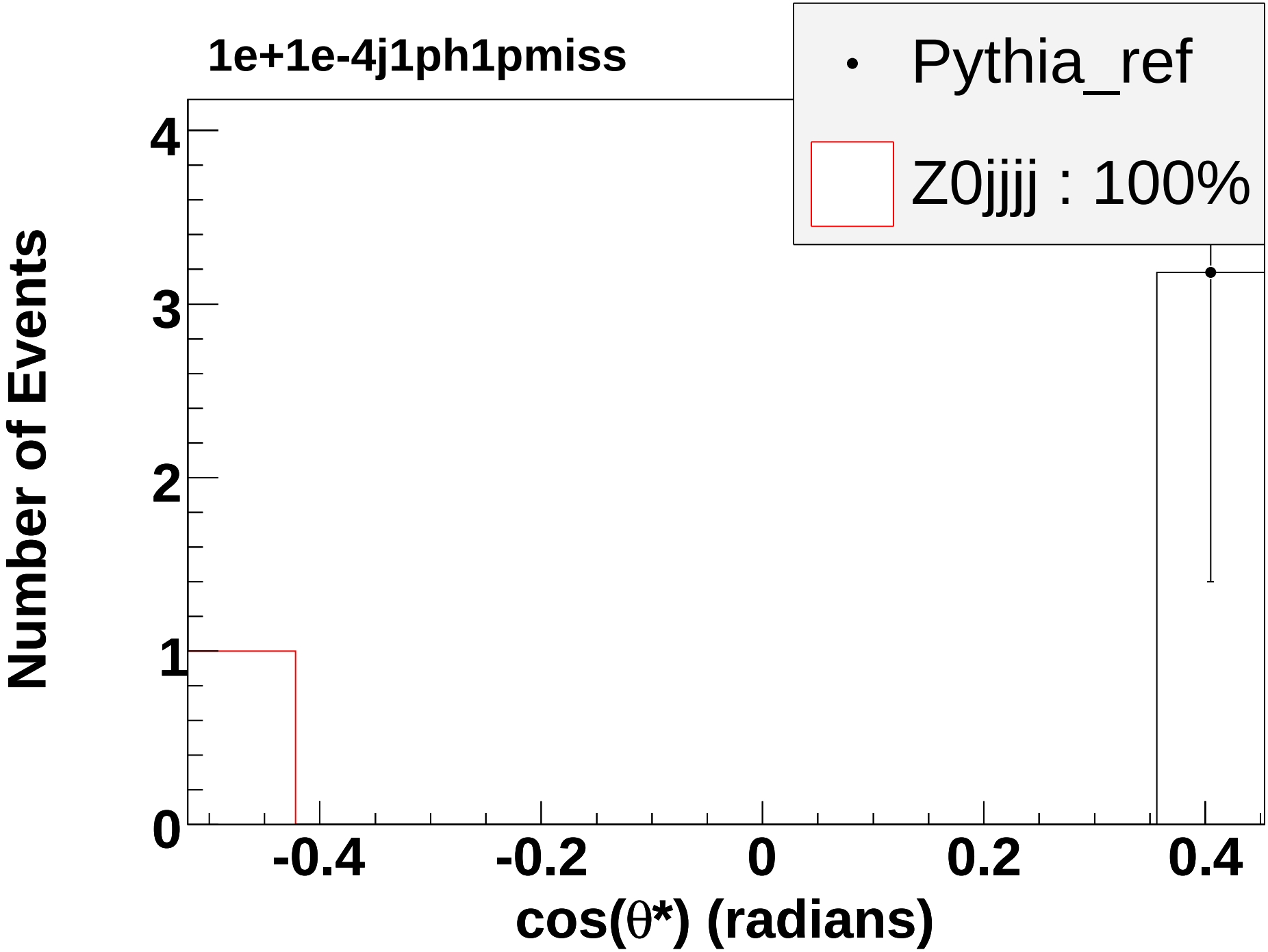

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
0
0.5
1
1.5
γ eta

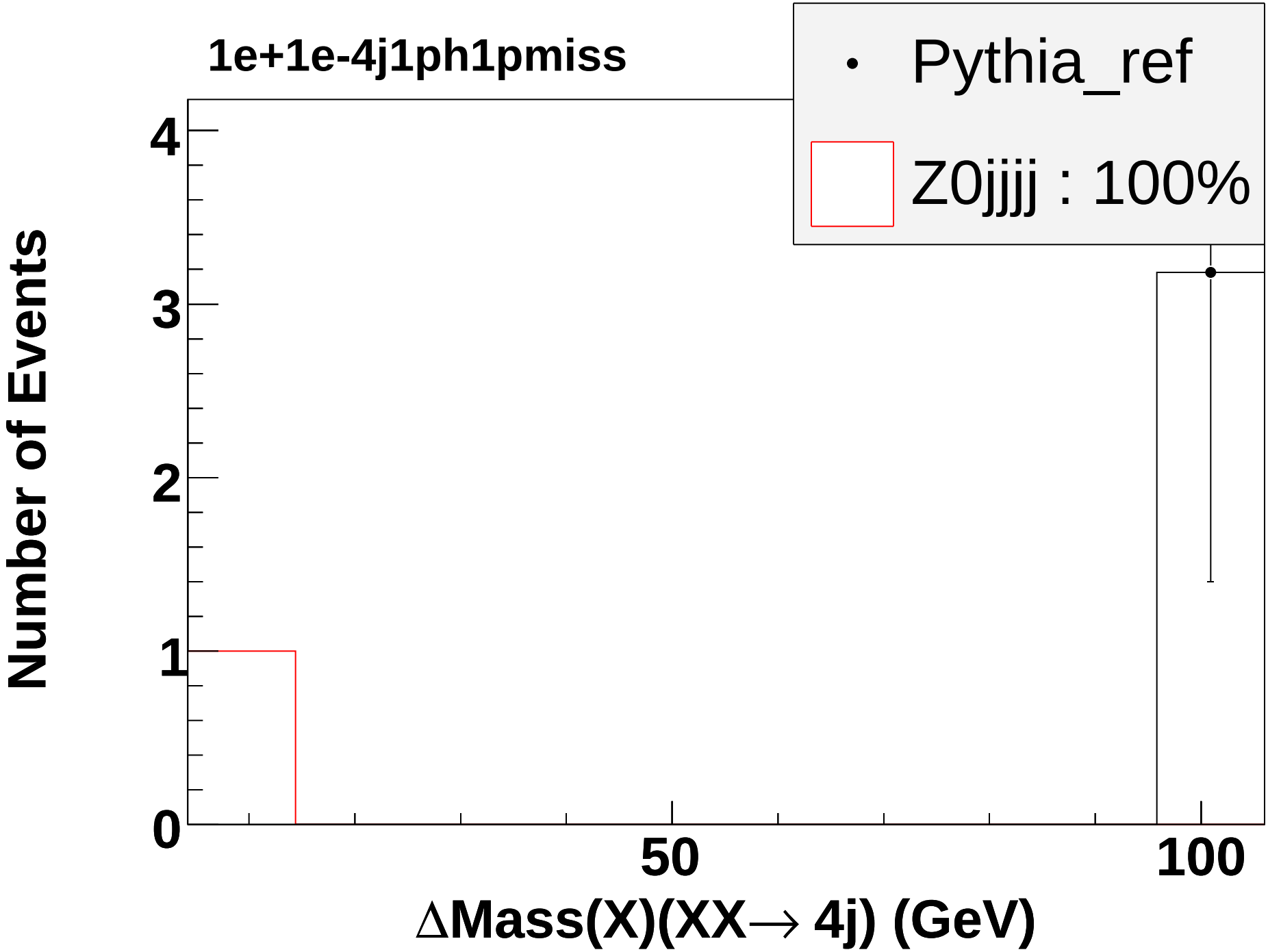

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
-0.2
0
0.2
0.4
j1 eta

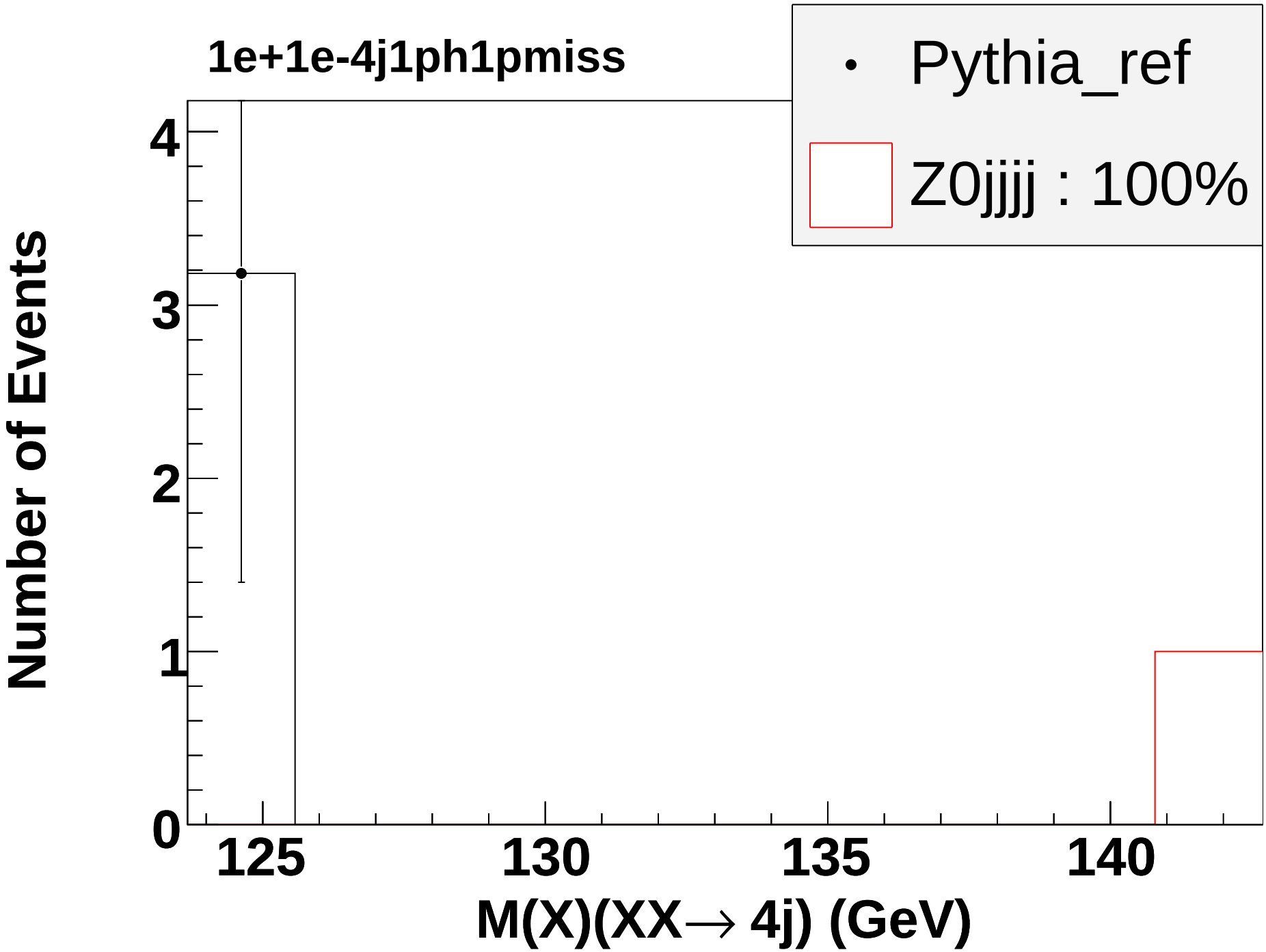

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
4
3
2
1
0
-2
0
j2 eta

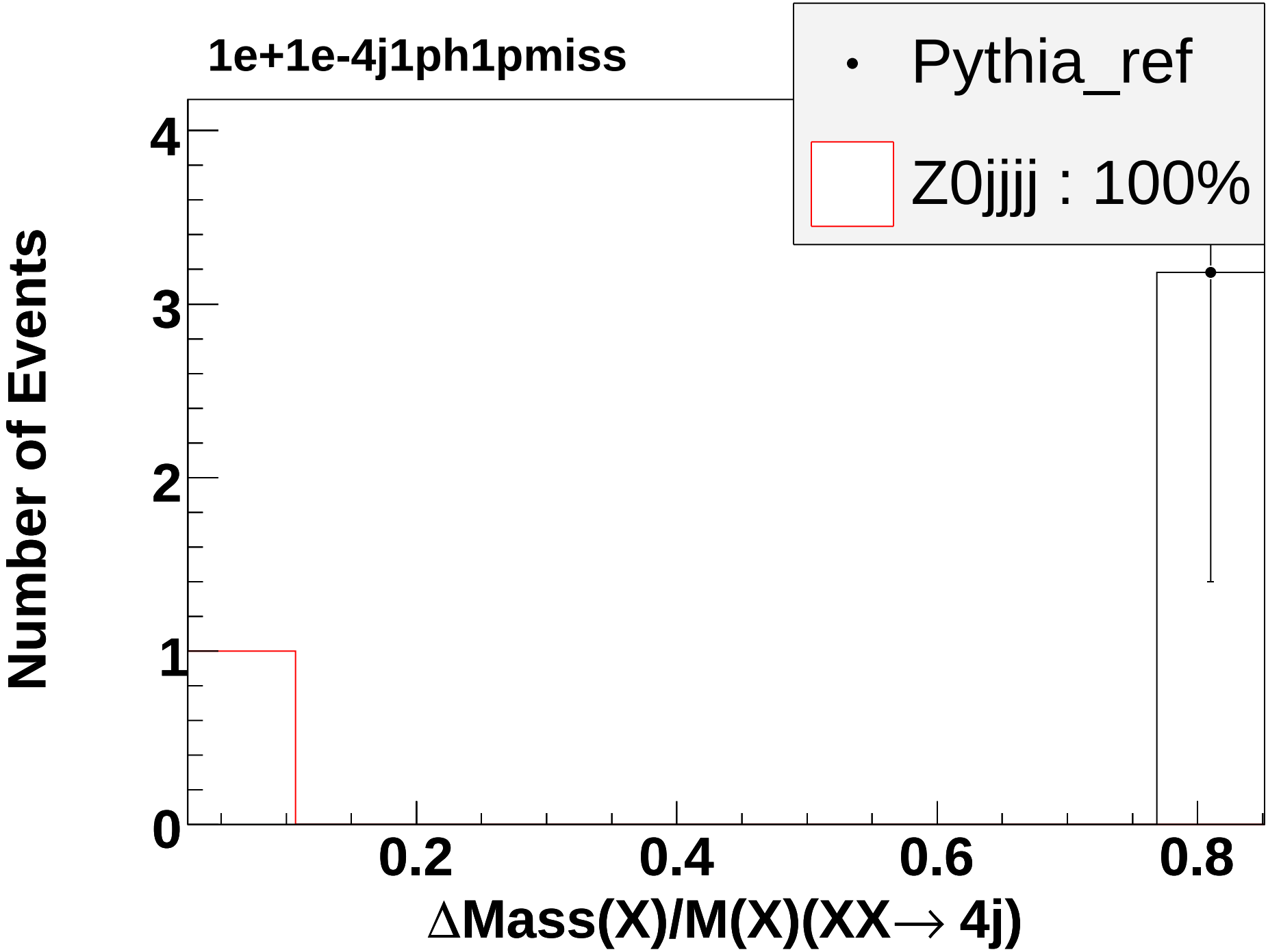

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
-1.5
-1
j3 eta

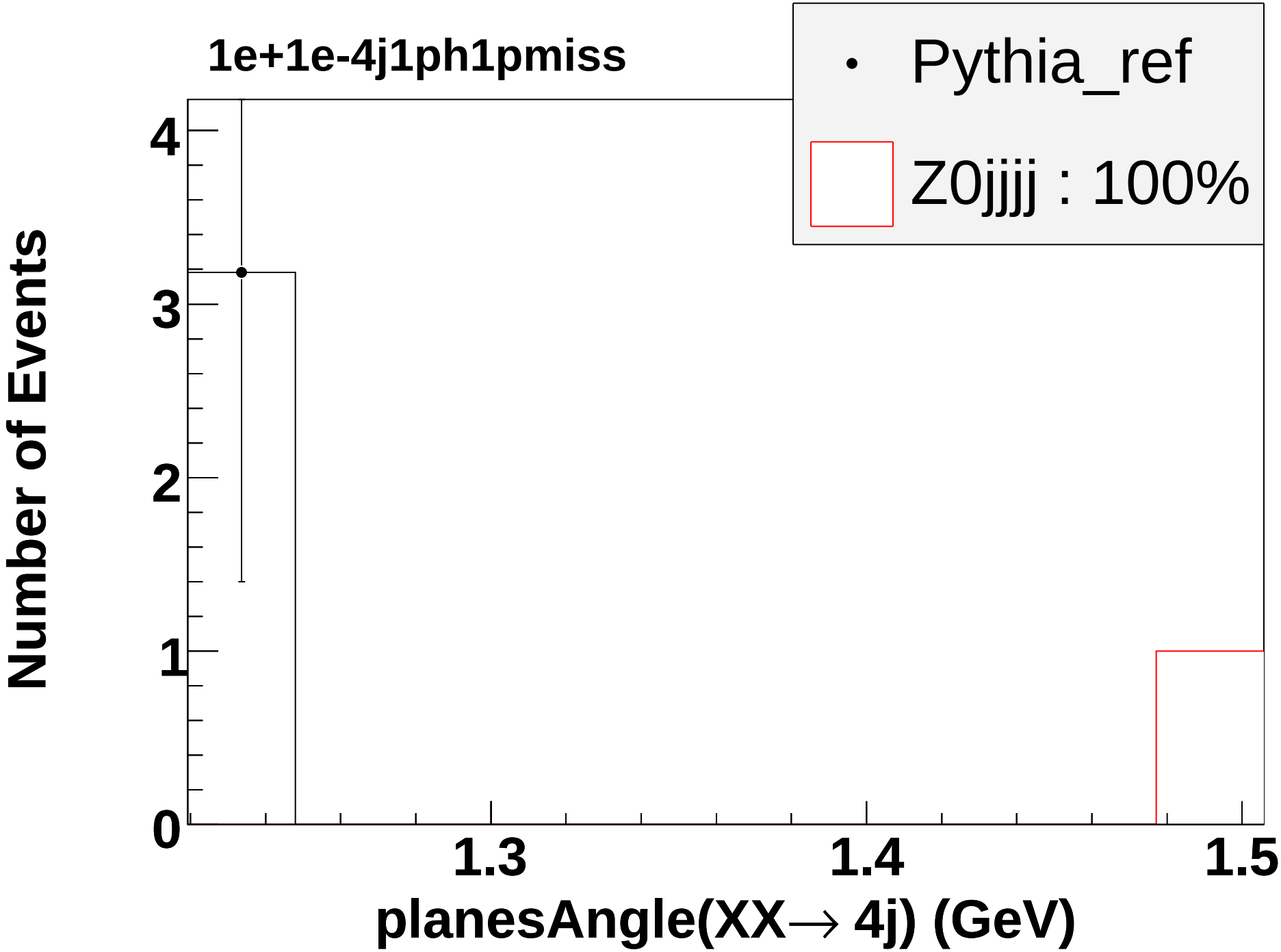

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
-2
-1.5
-1
j4 eta

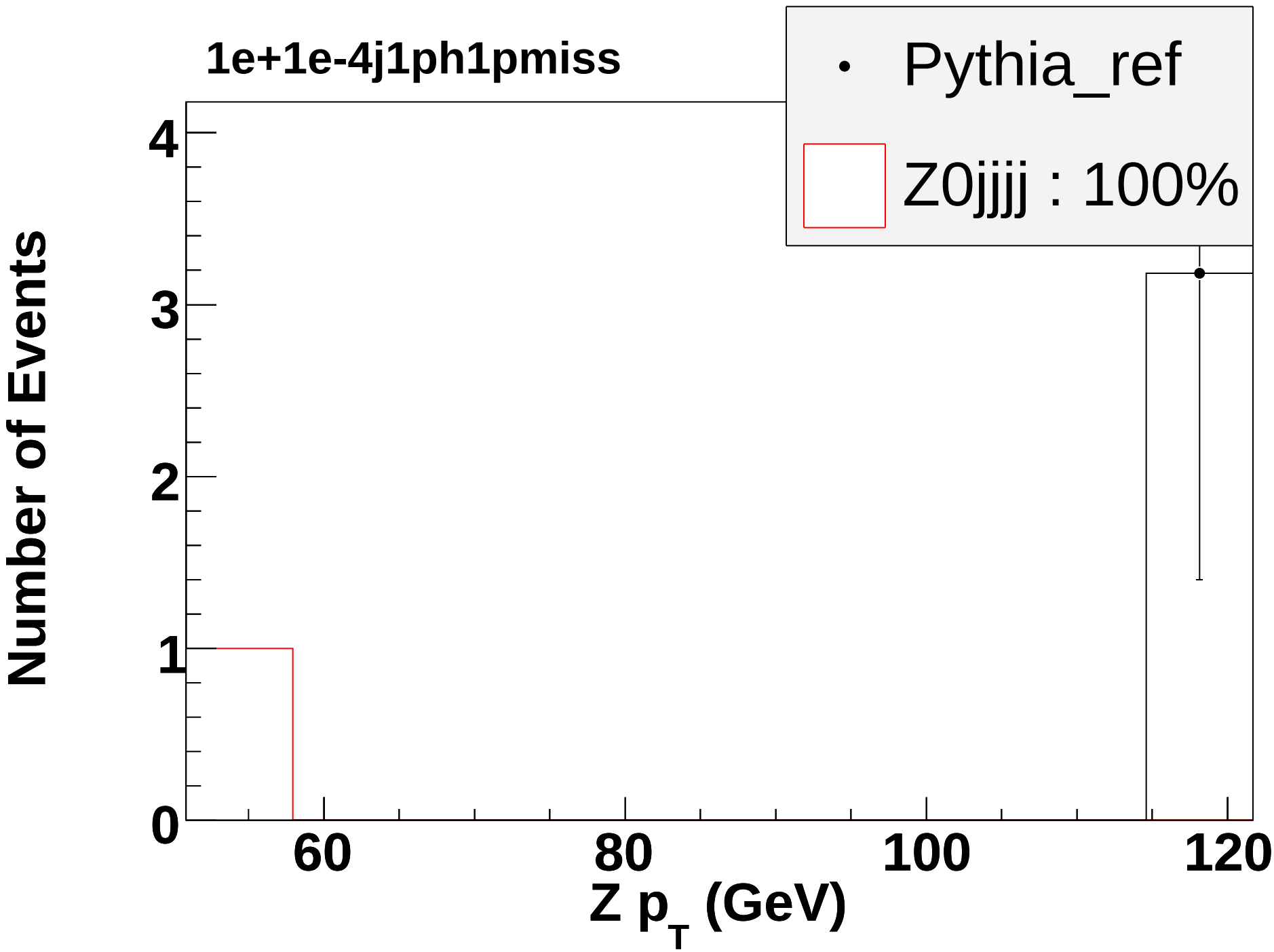

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
-0.4
-0.2
0
0.2
0.4
cos(θ*) (radians)

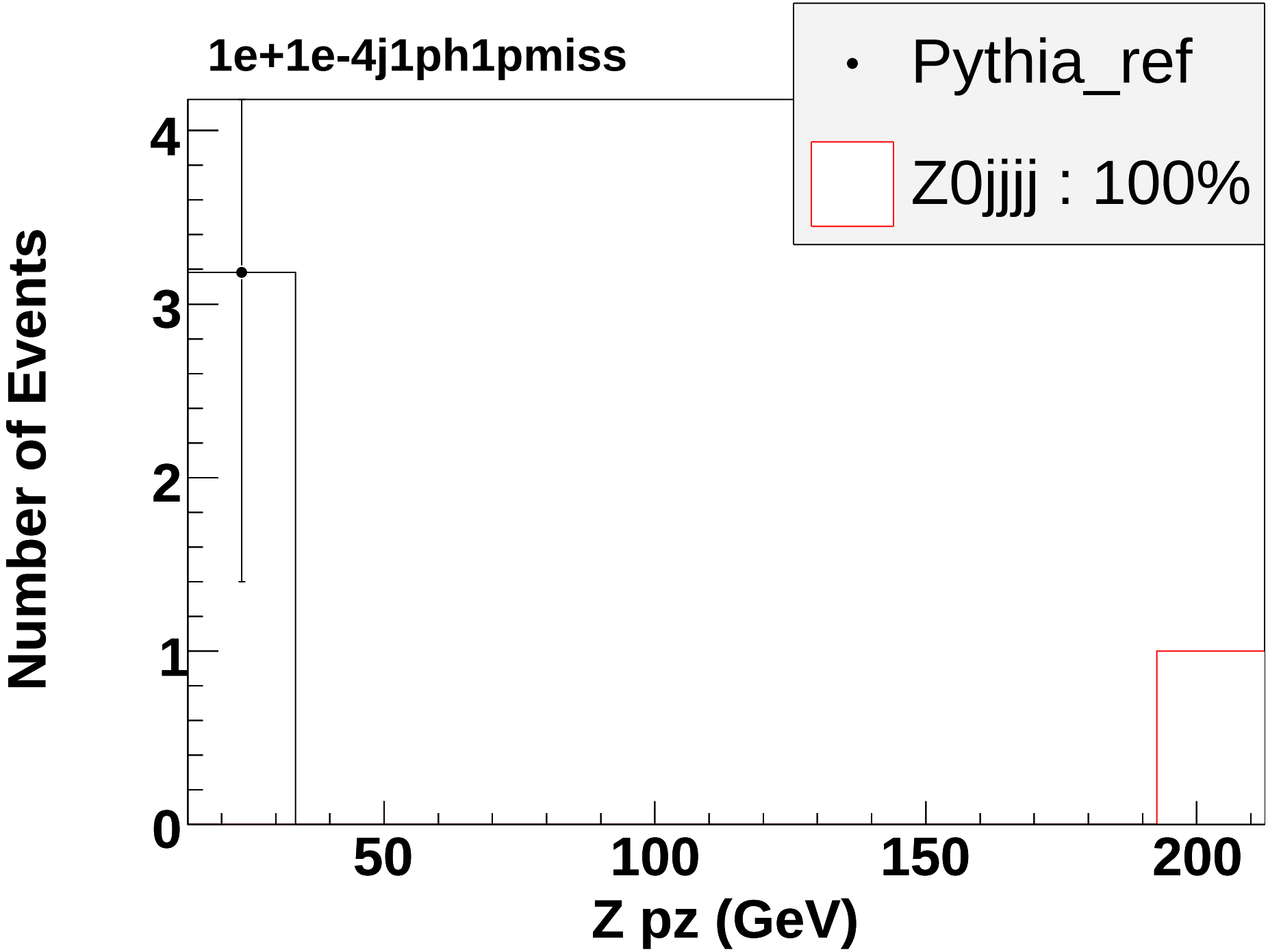

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
50
100
ΔMass(X)(XX→ 4j) (GeV)

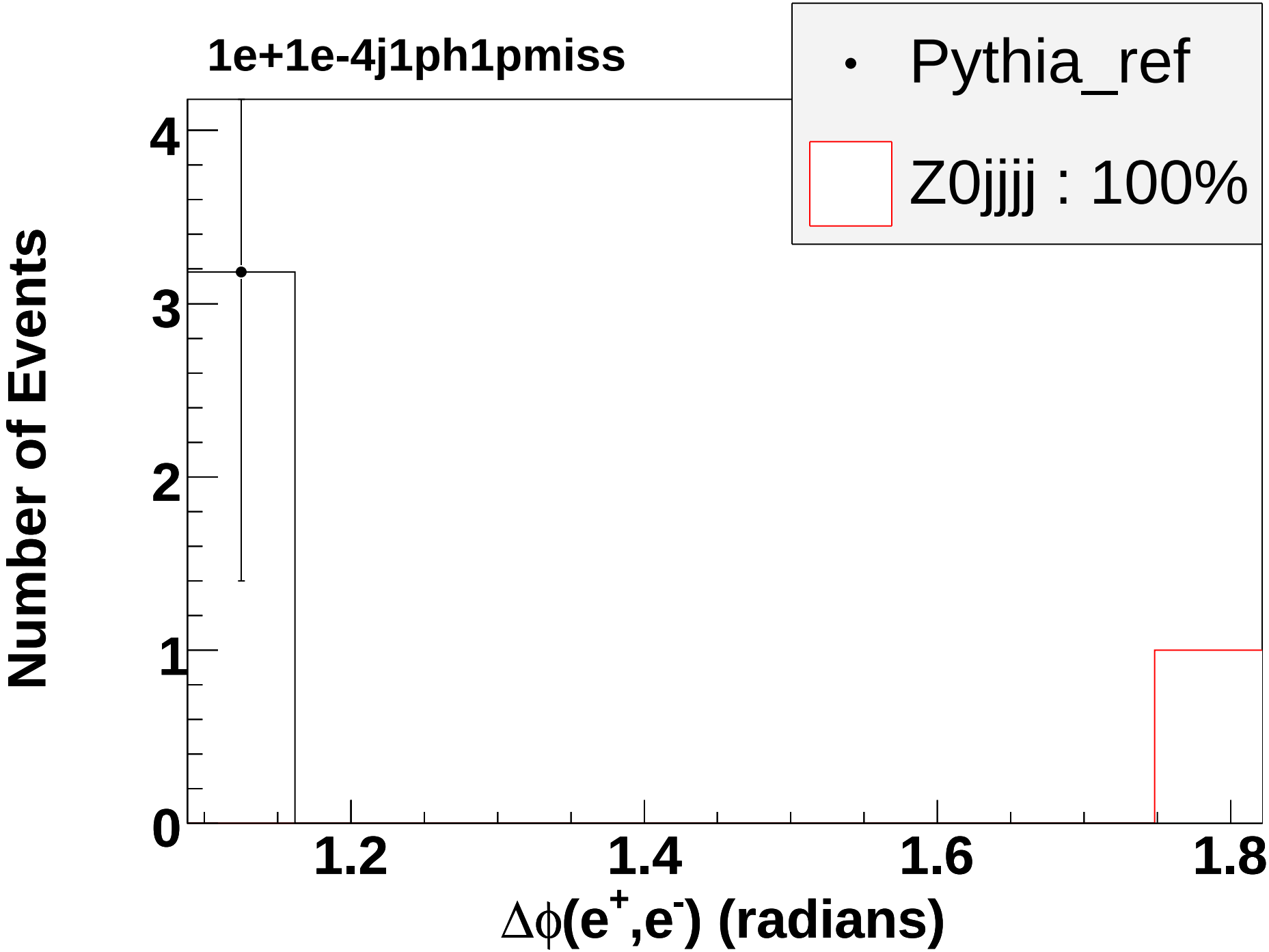

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
125
130
135
140
M(X)(XX→ 4j) (GeV)

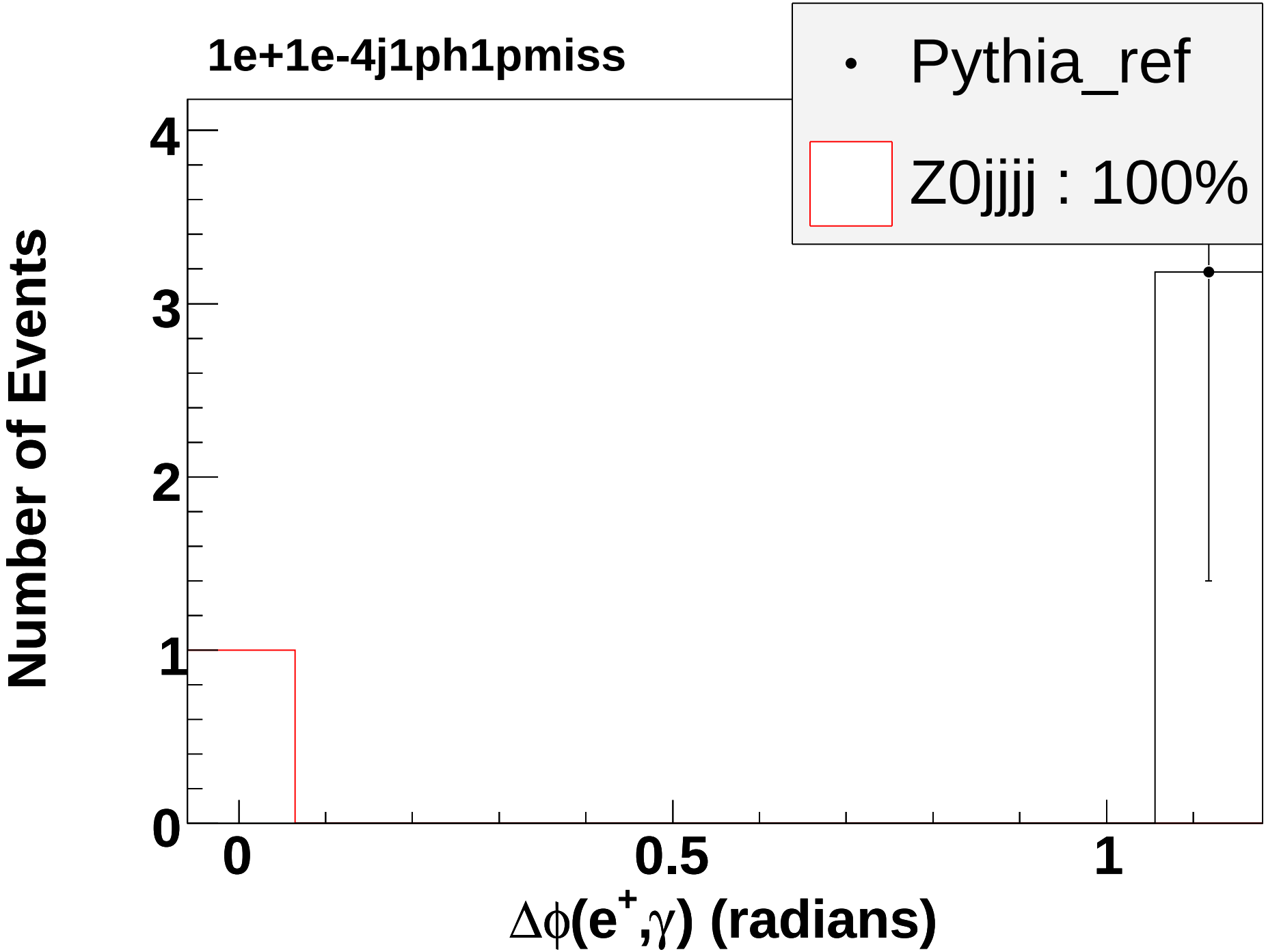

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
0.2
0.4
0.6
0.8
ΔMass(X)/M(X)(XX→ 4j)

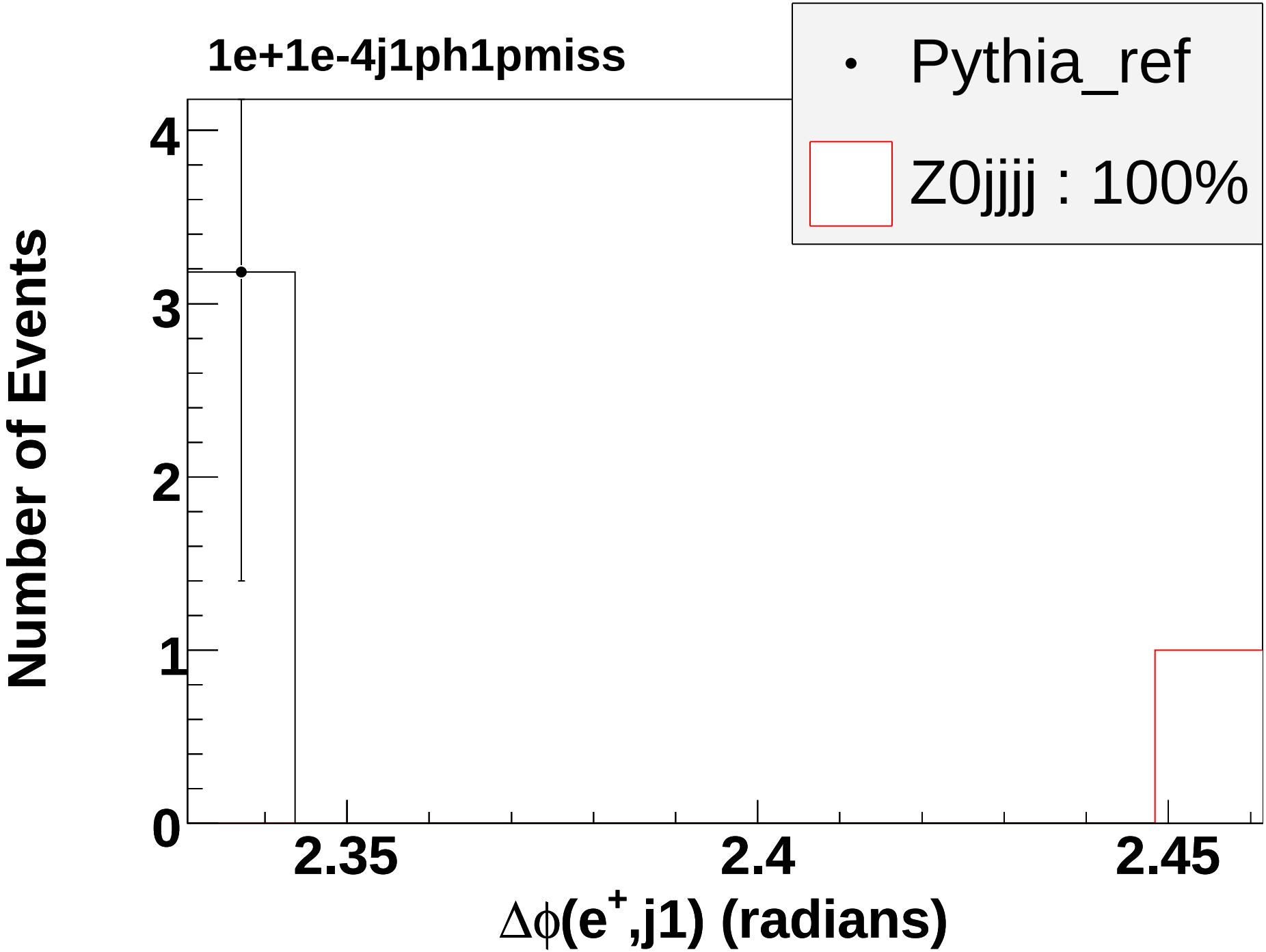

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
1.3
1.4
1.5
planesAngle(XX→ 4j) (GeV)

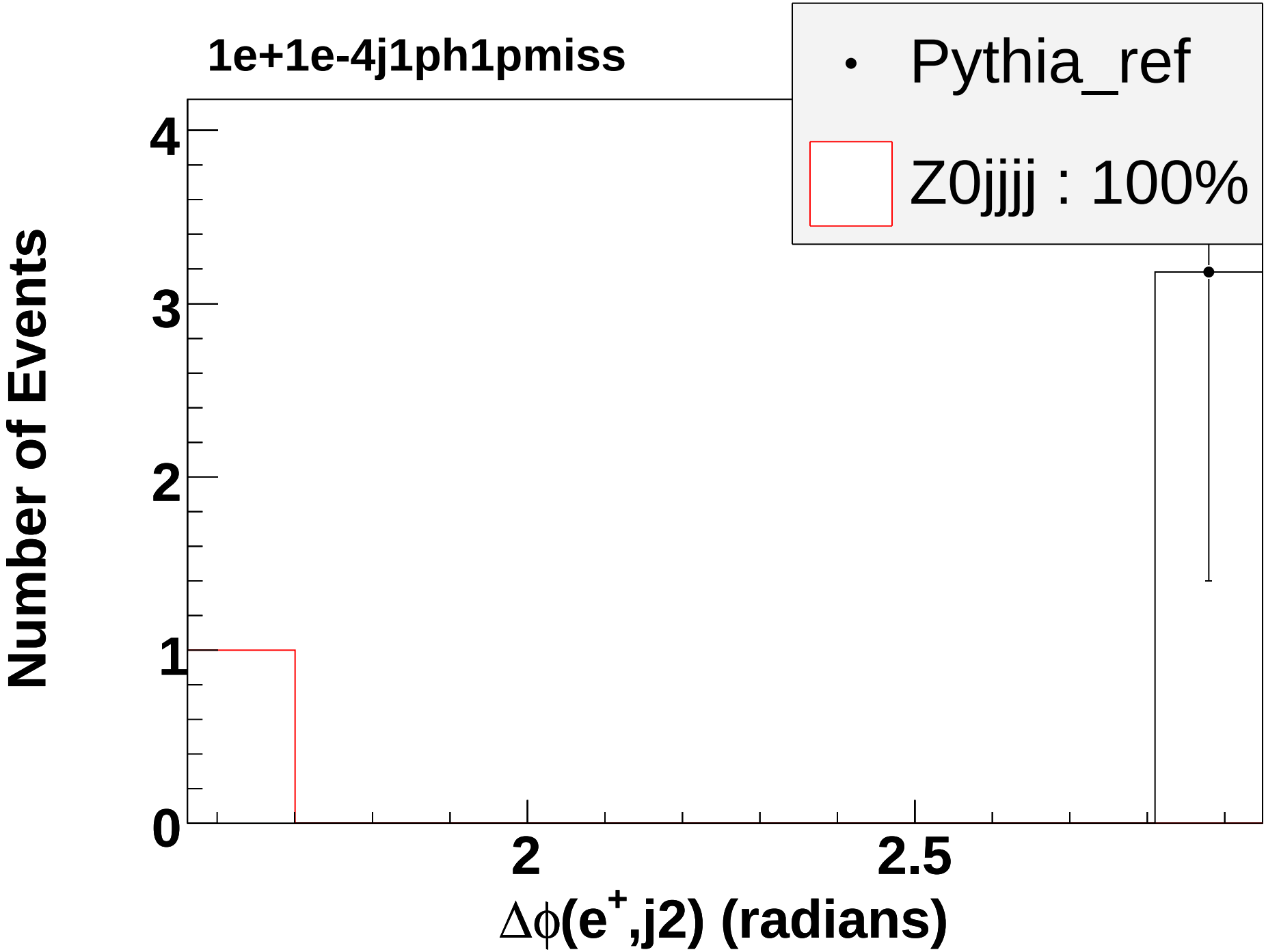

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
60
80
100
120
Z p_T (GeV)

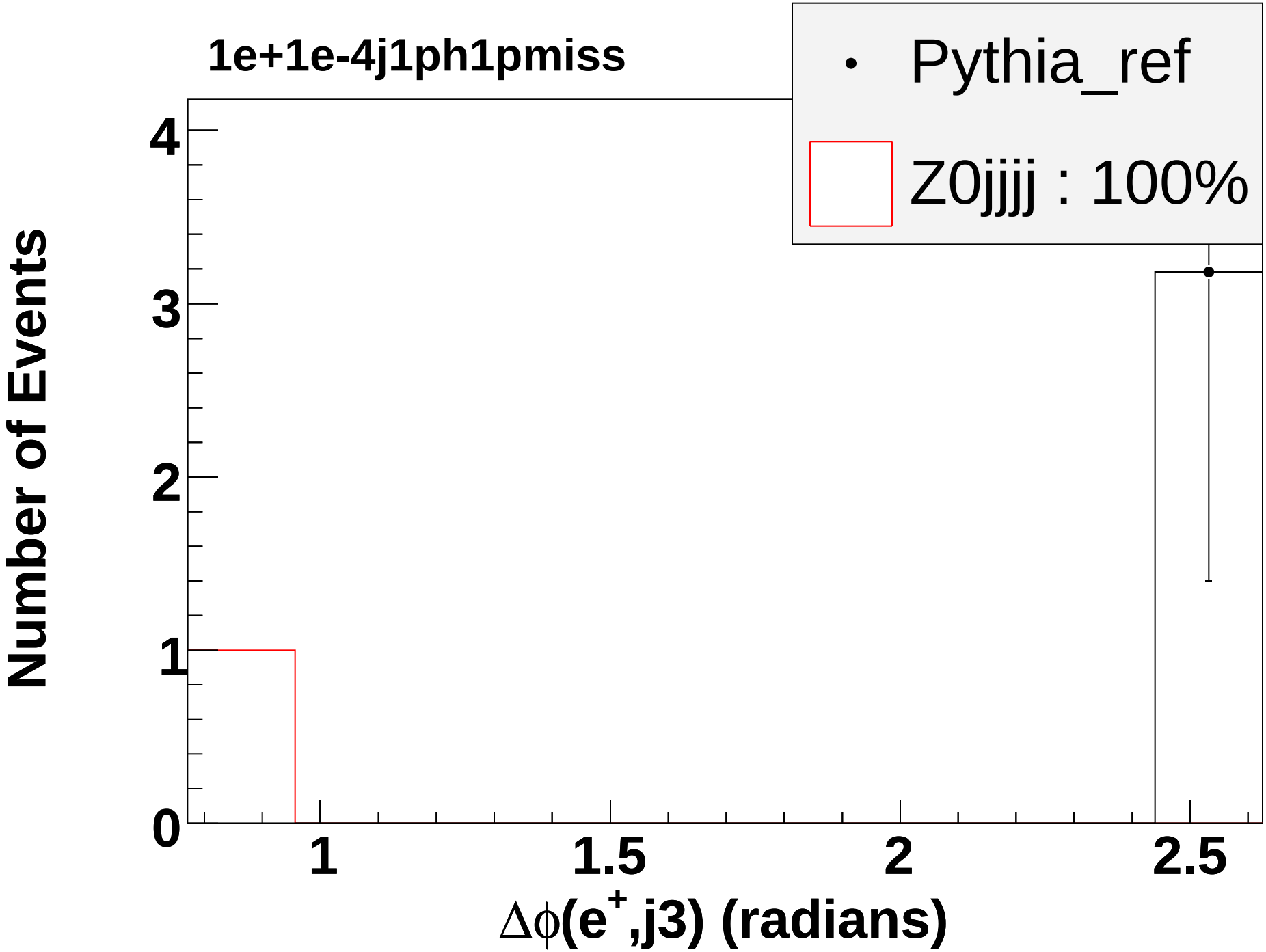

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
50
100
150
200
Z pz (GeV)

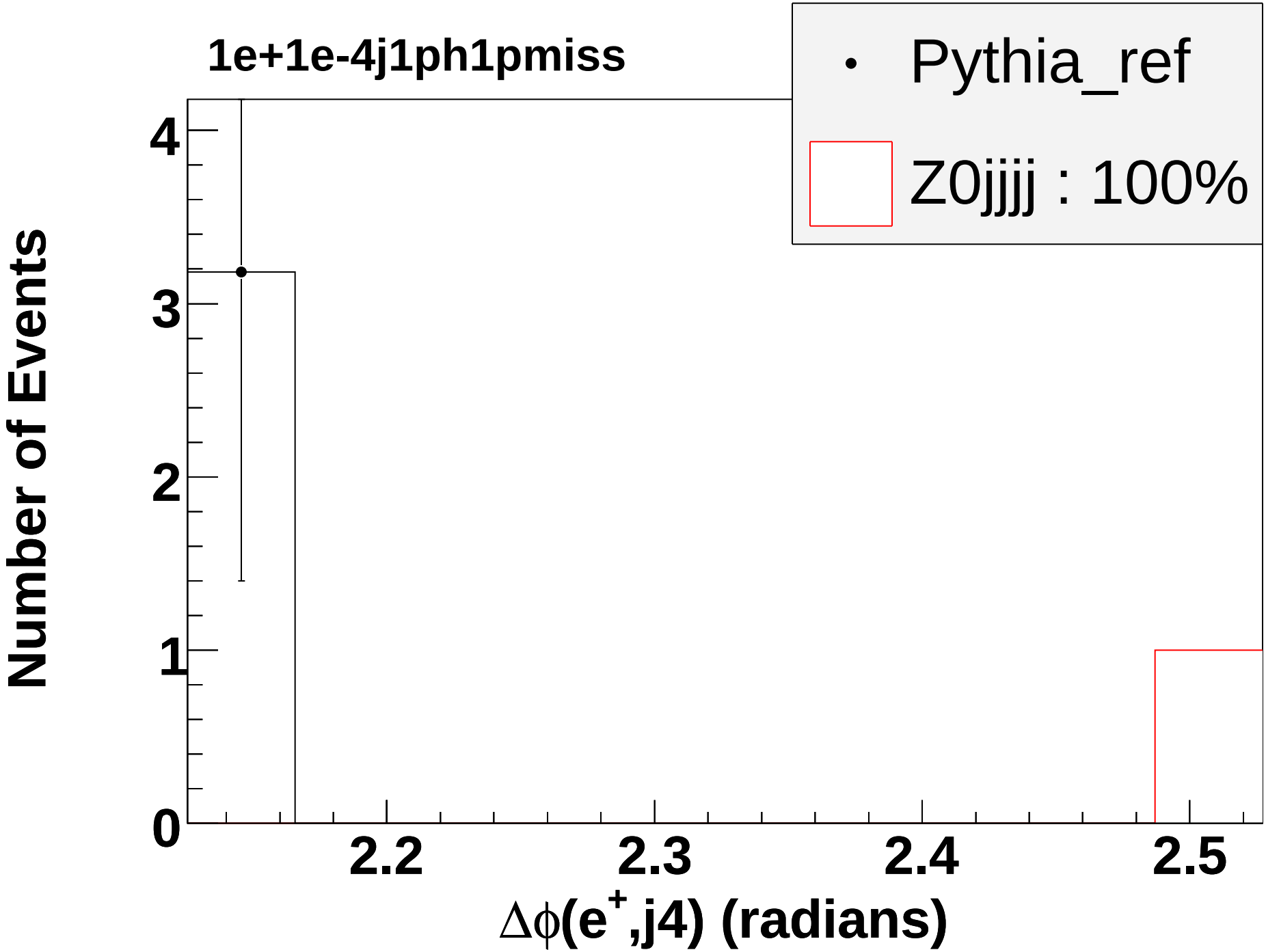

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
1.2
1.4
1.6
1.8
Δϕ(e+,e-) (radians)

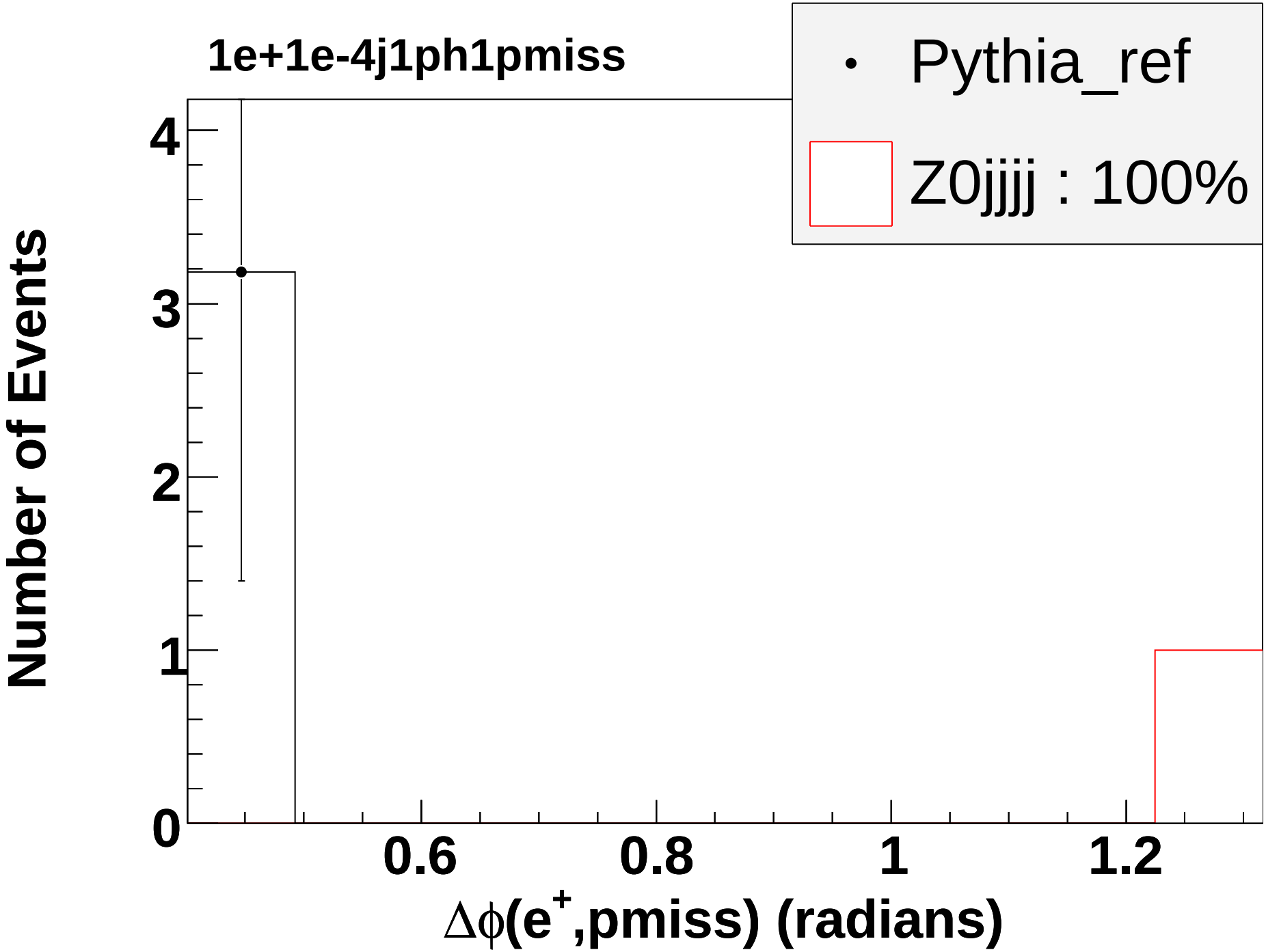

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
0
0.5
1
Δϕ(e+,γ) (radians)

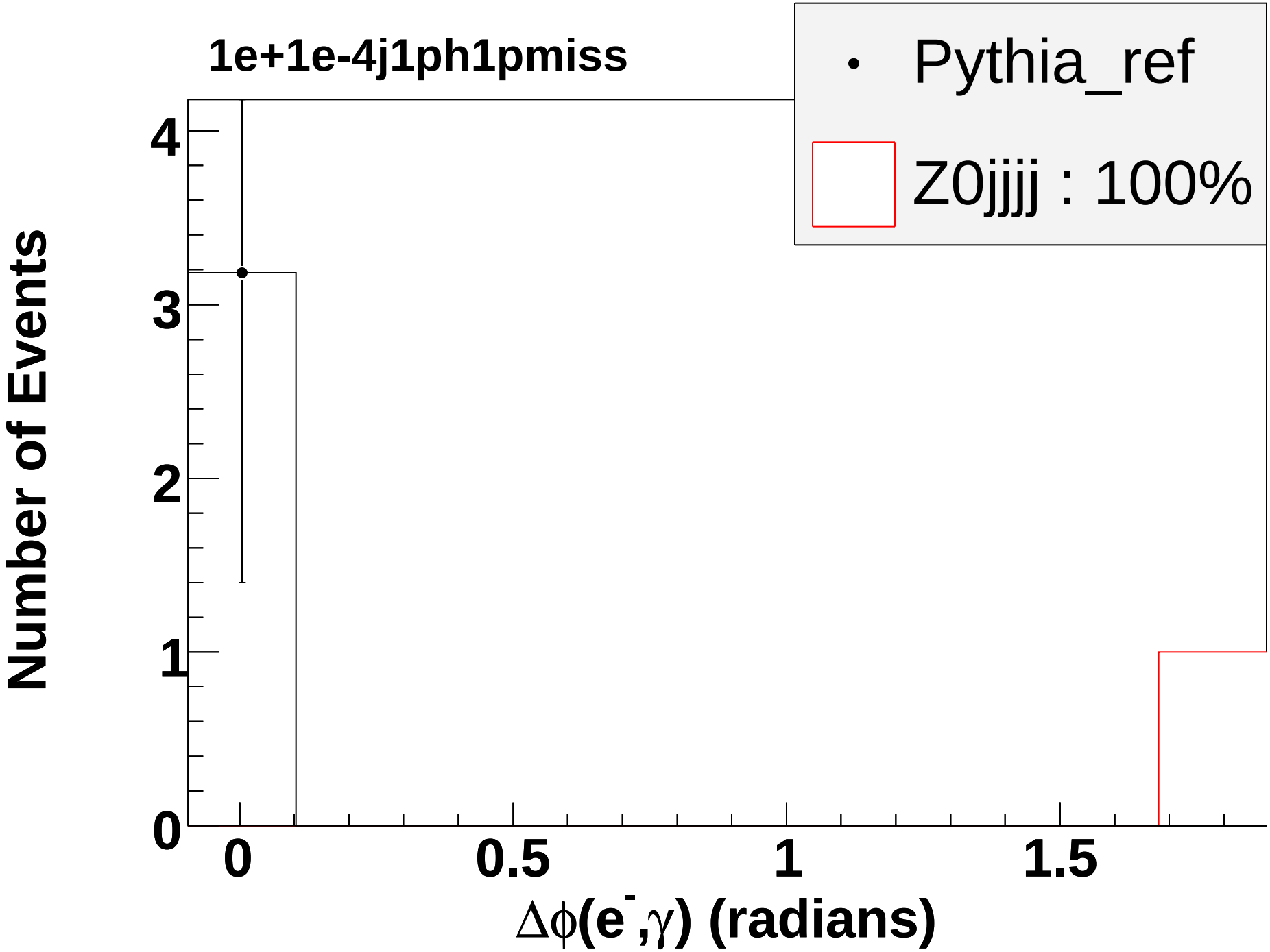

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
2.35
2.4
2.45
Δϕ(e+,j1) (radians)

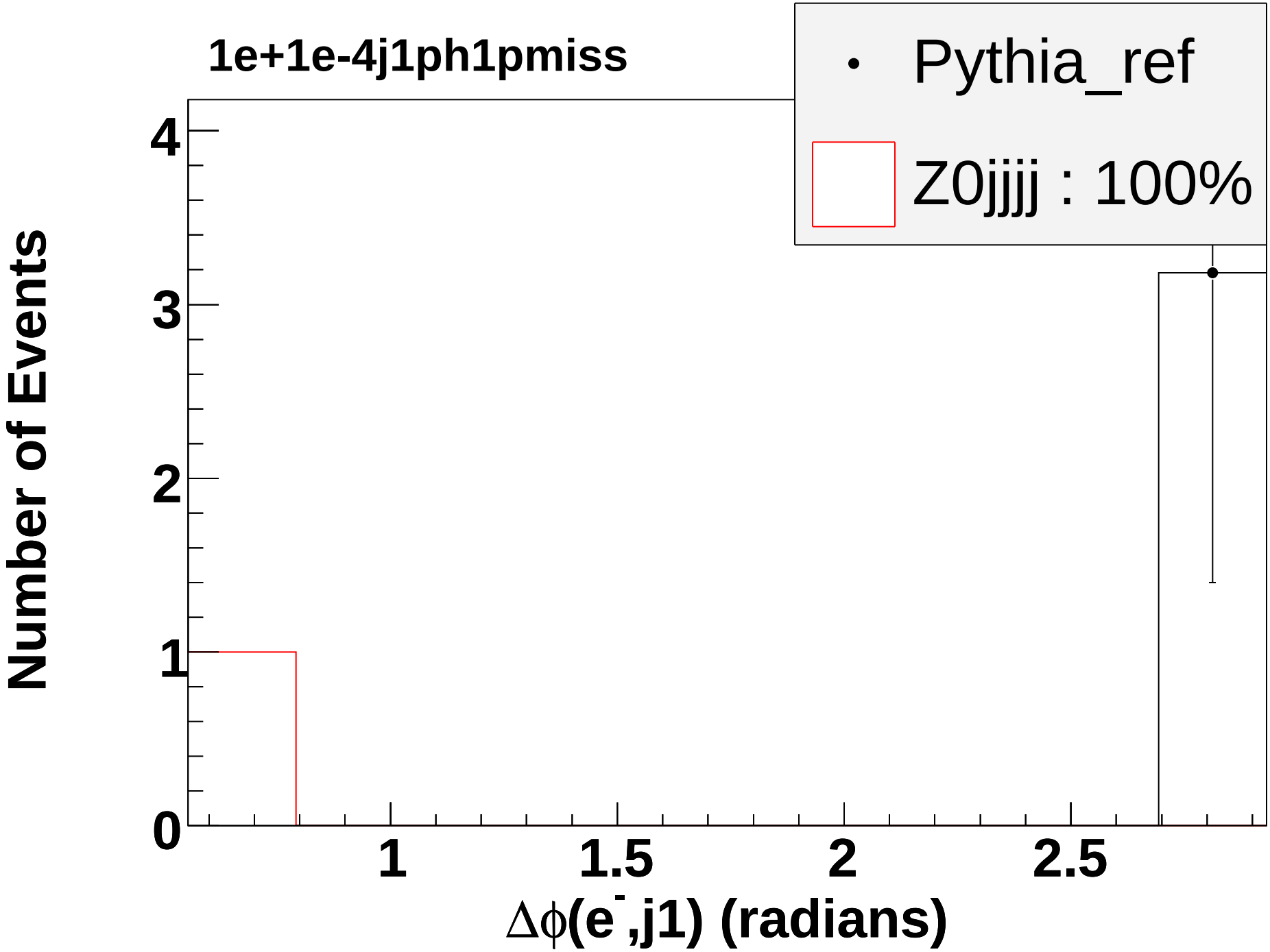

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
2
2.5
Δϕ(e+,j2) (radians)

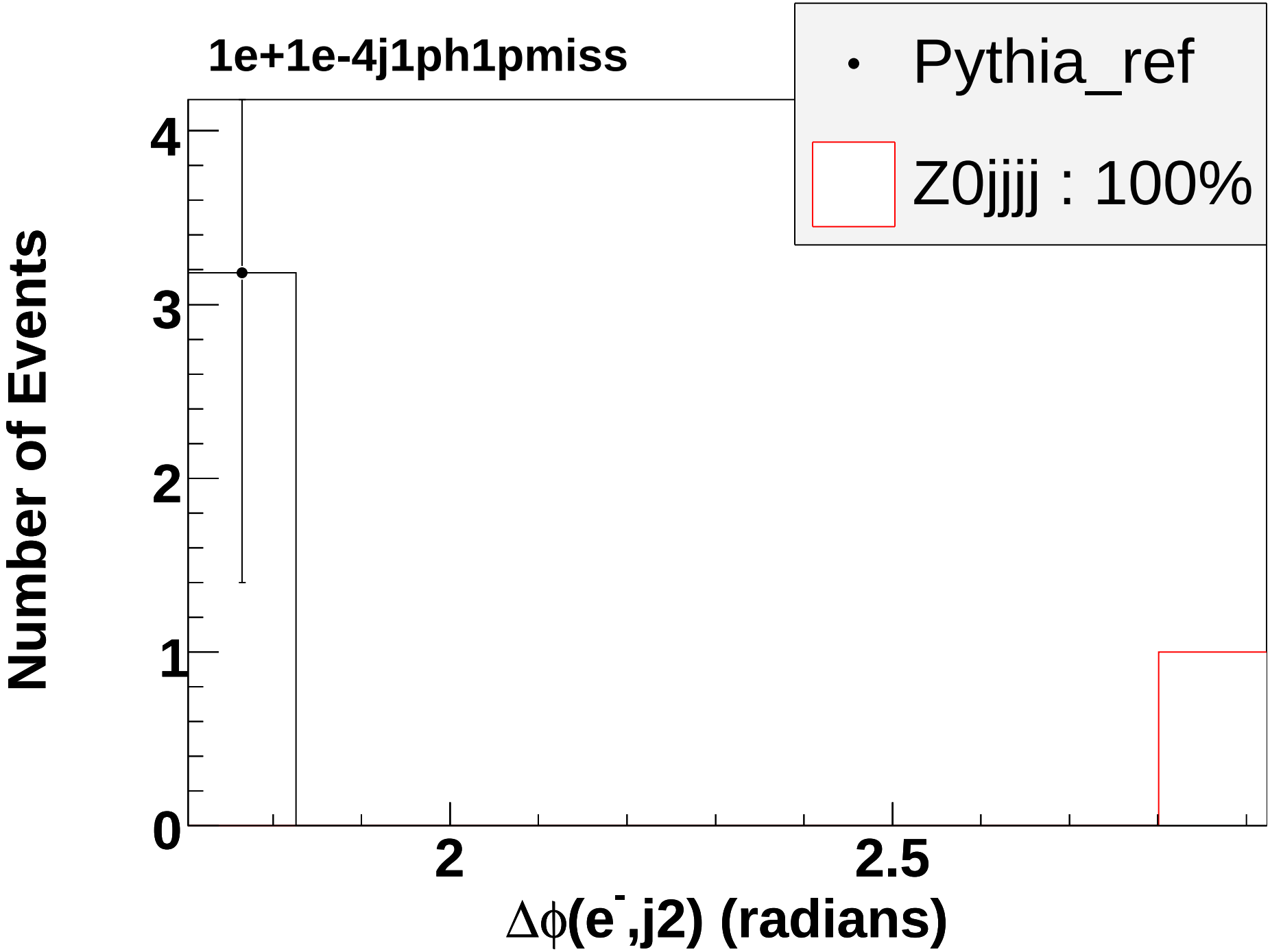

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
1
1.5
2
2.5
Δϕ(e+,j3) (radians)

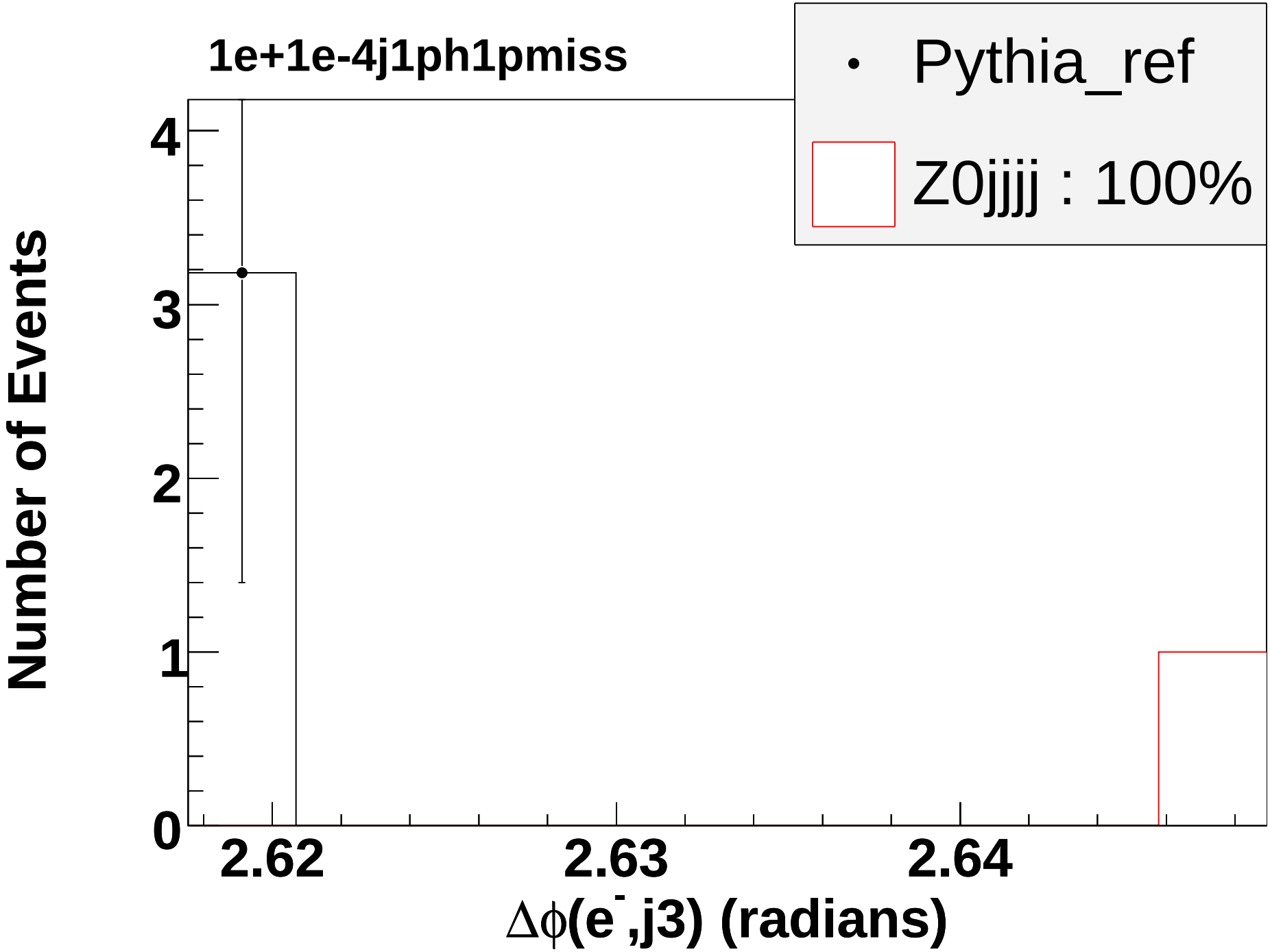

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
2.2
2.3
2.4
2.5
Δϕ(e+,j4) (radians)

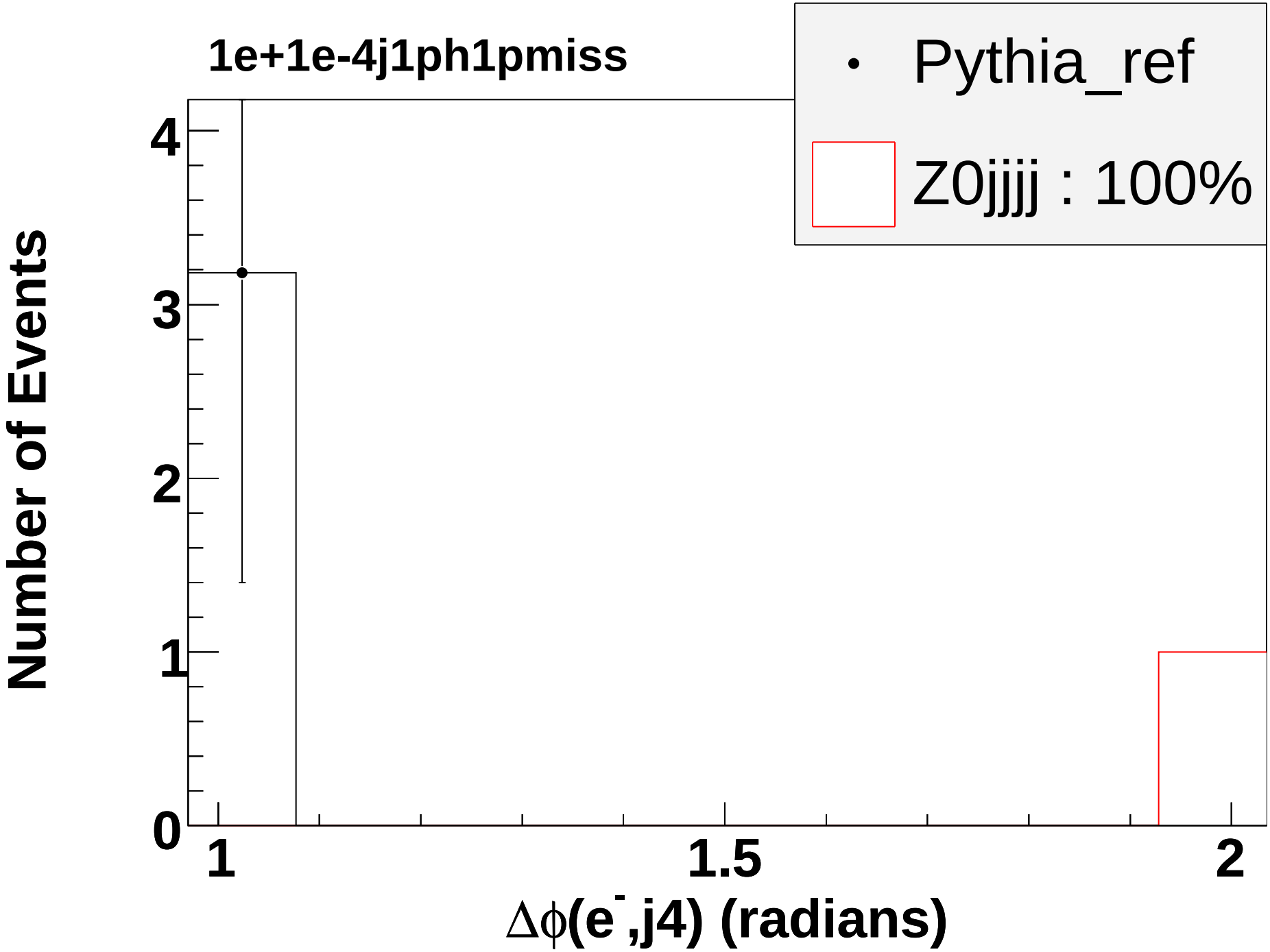

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
0.6
0.8
1
1.2
Δϕ(e+,pmiss) (radians)

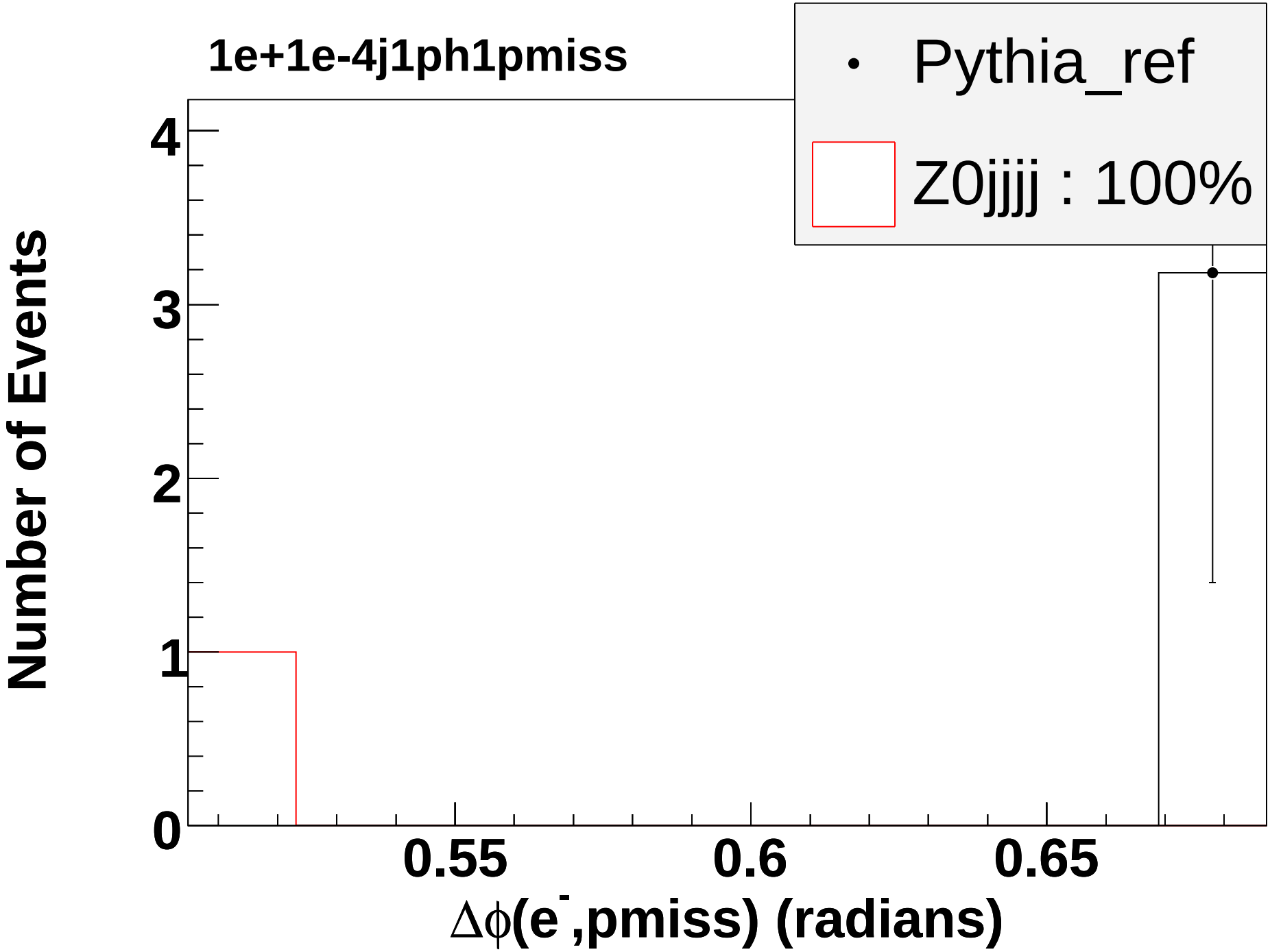

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
0
0.5
1
1.5
Δφ(e⁻,γ) (radians)

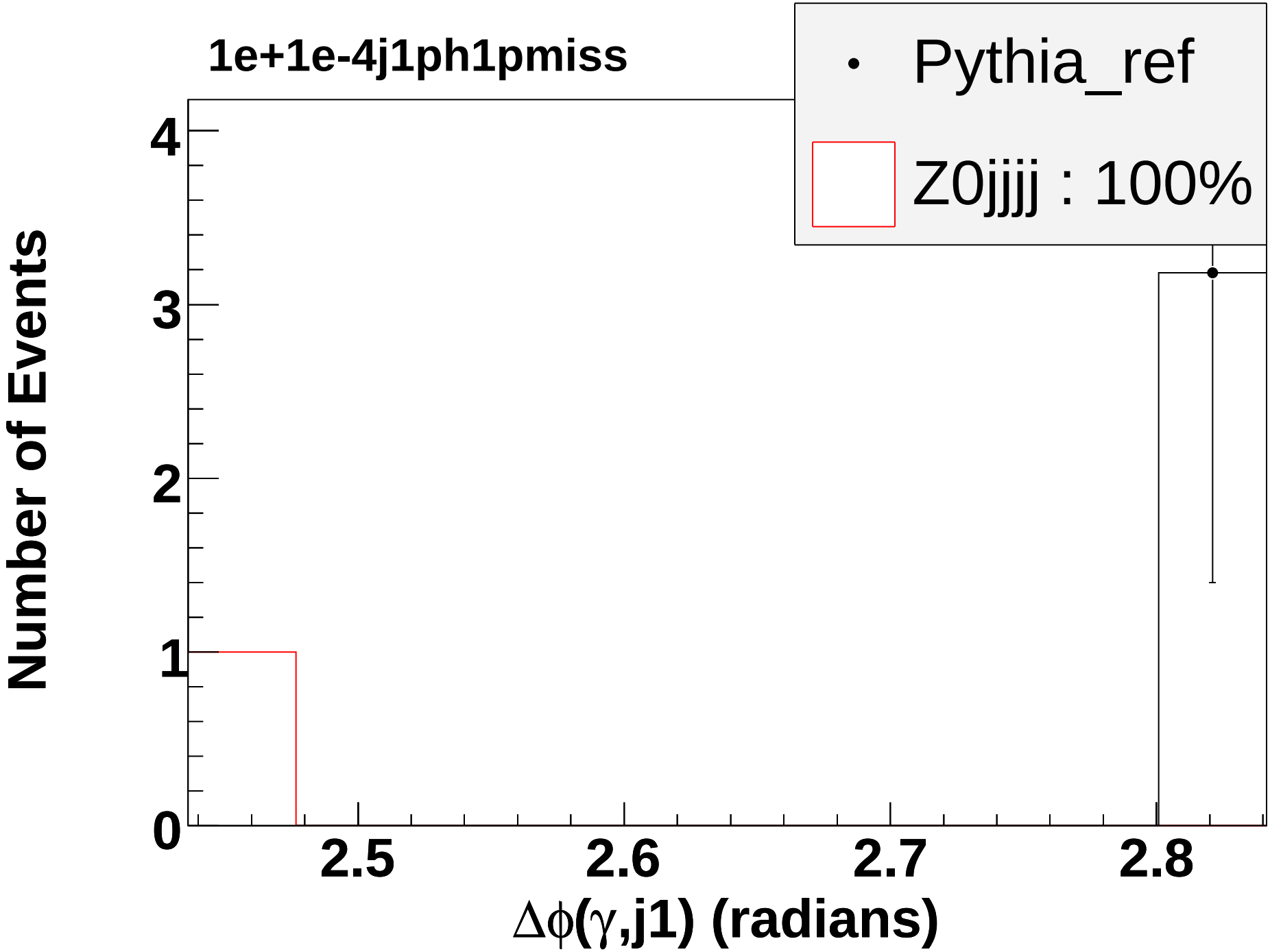

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
1
1.5
2
2.5
Δϕ(e⁻,j1) (radians)

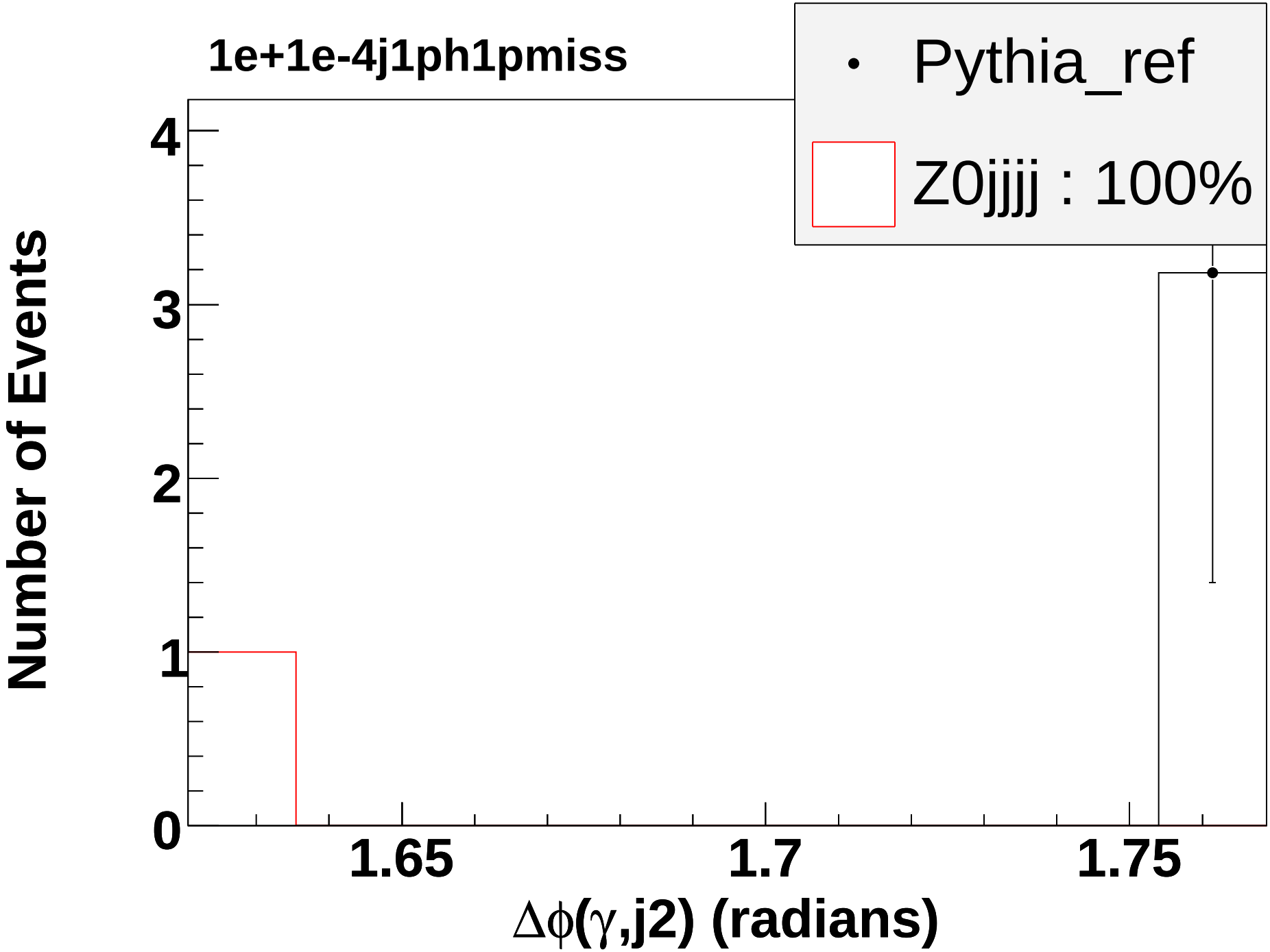

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
2
2.5
Δϕ(e⁻,j2) (radians)

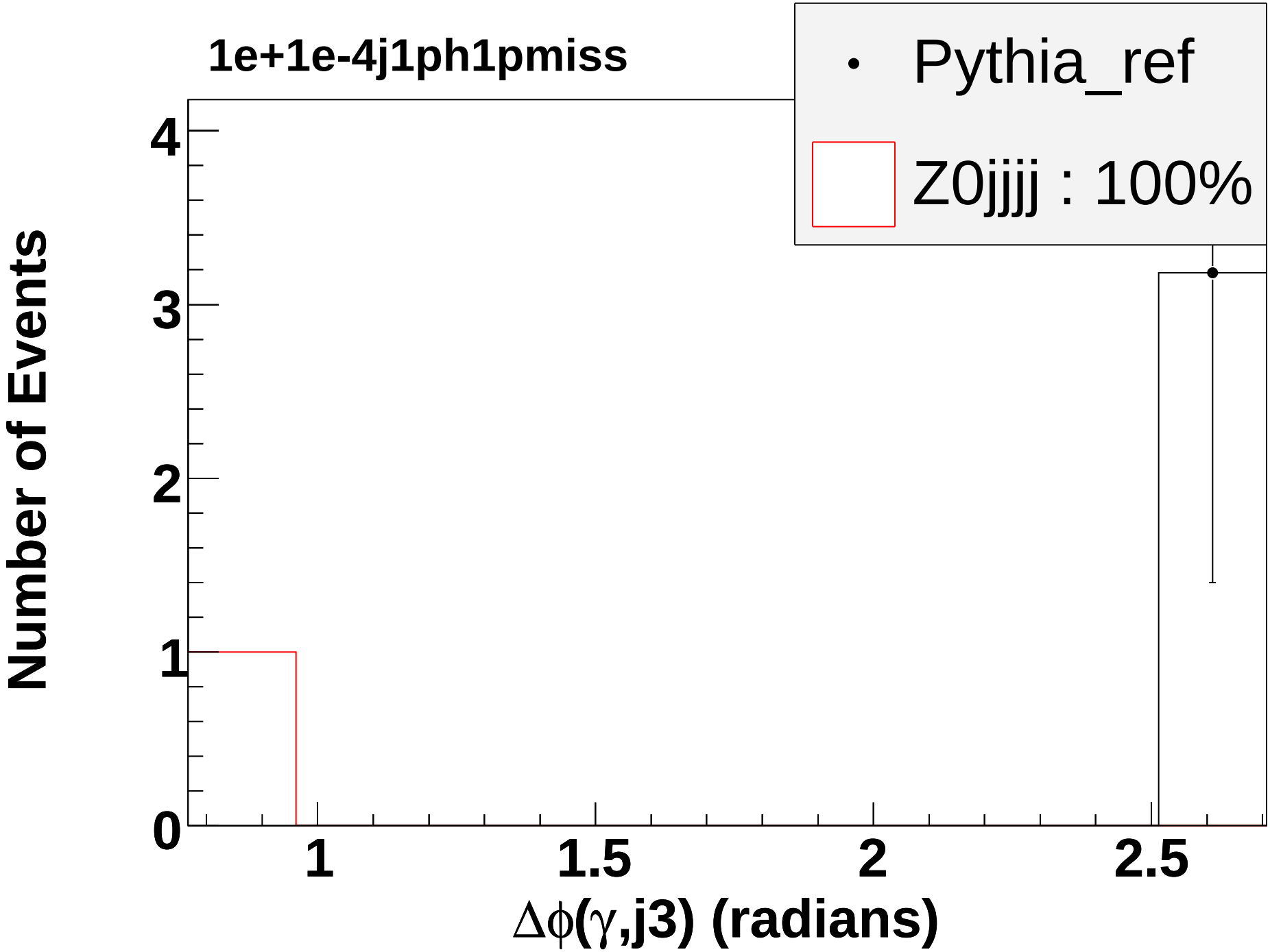

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
2.62
2.63
2.64
Δϕ(e⁻,j3) (radians)

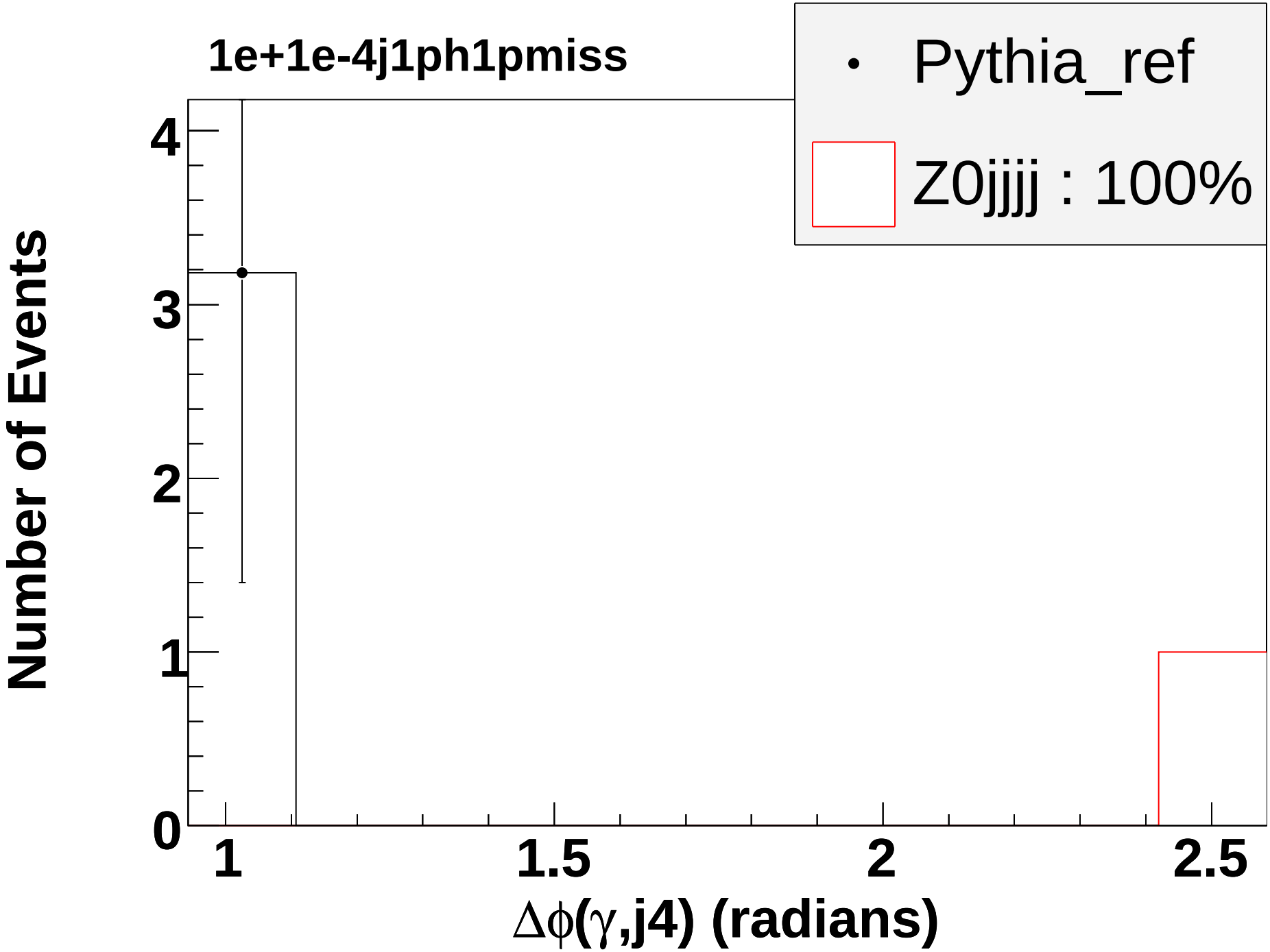

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
1
1.5
2
Δϕ(e⁻,j4) (radians)

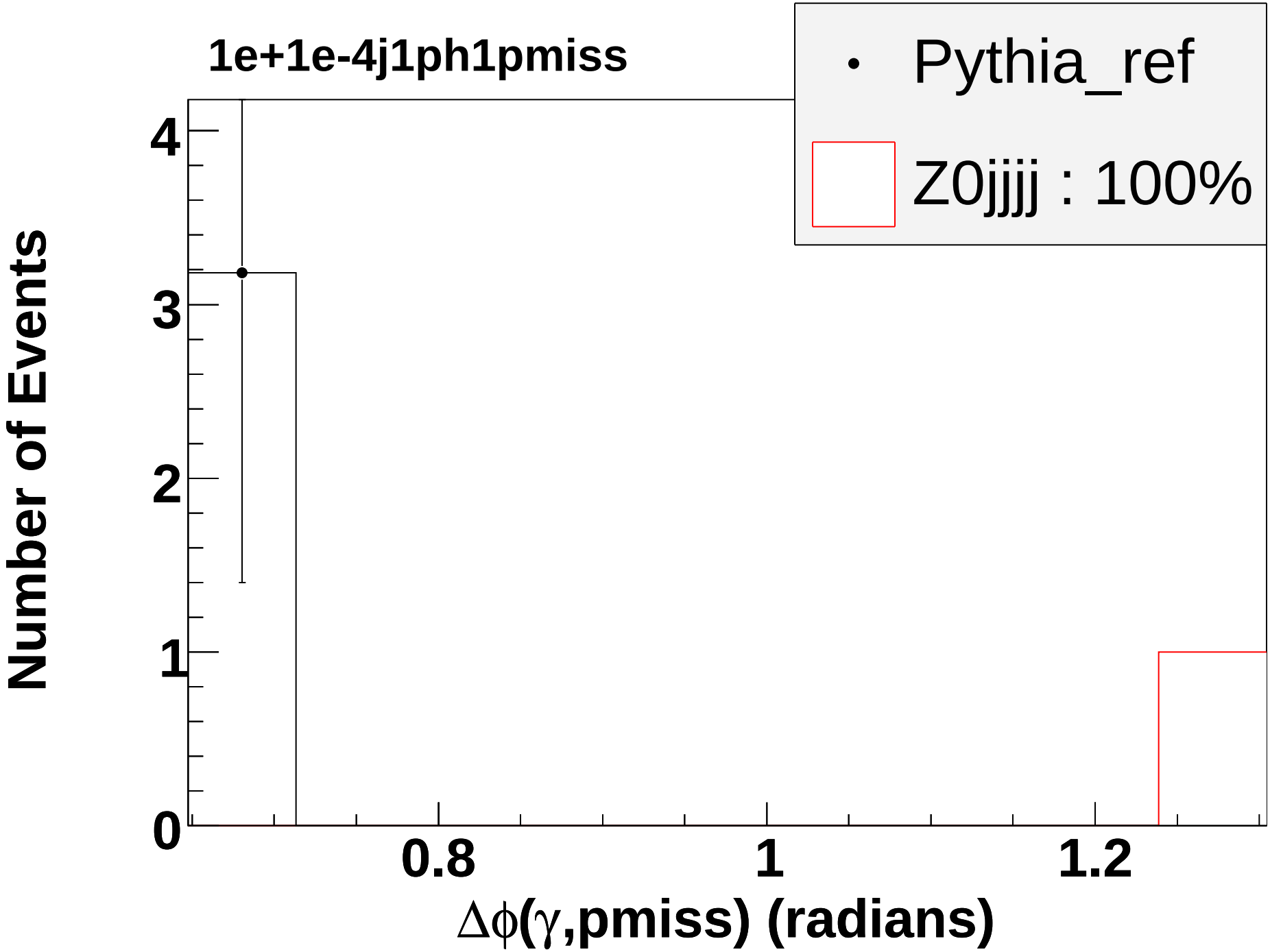

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
0.55
0.6
0.65
Δϕ(e⁻,pmiss) (radians)

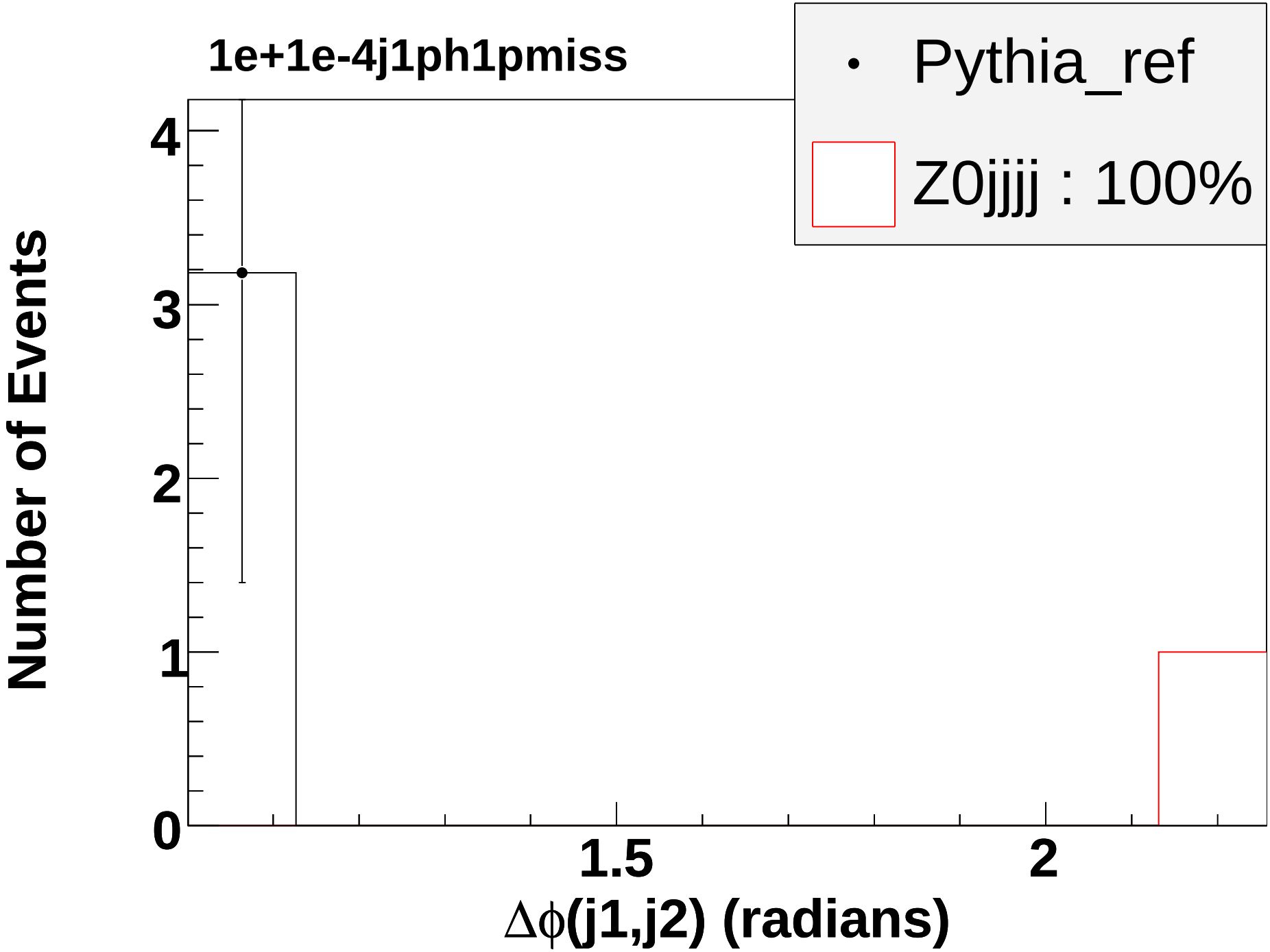

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
2.5
2.6
2.7
2.8
Δϕ(γ,j1) (radians)

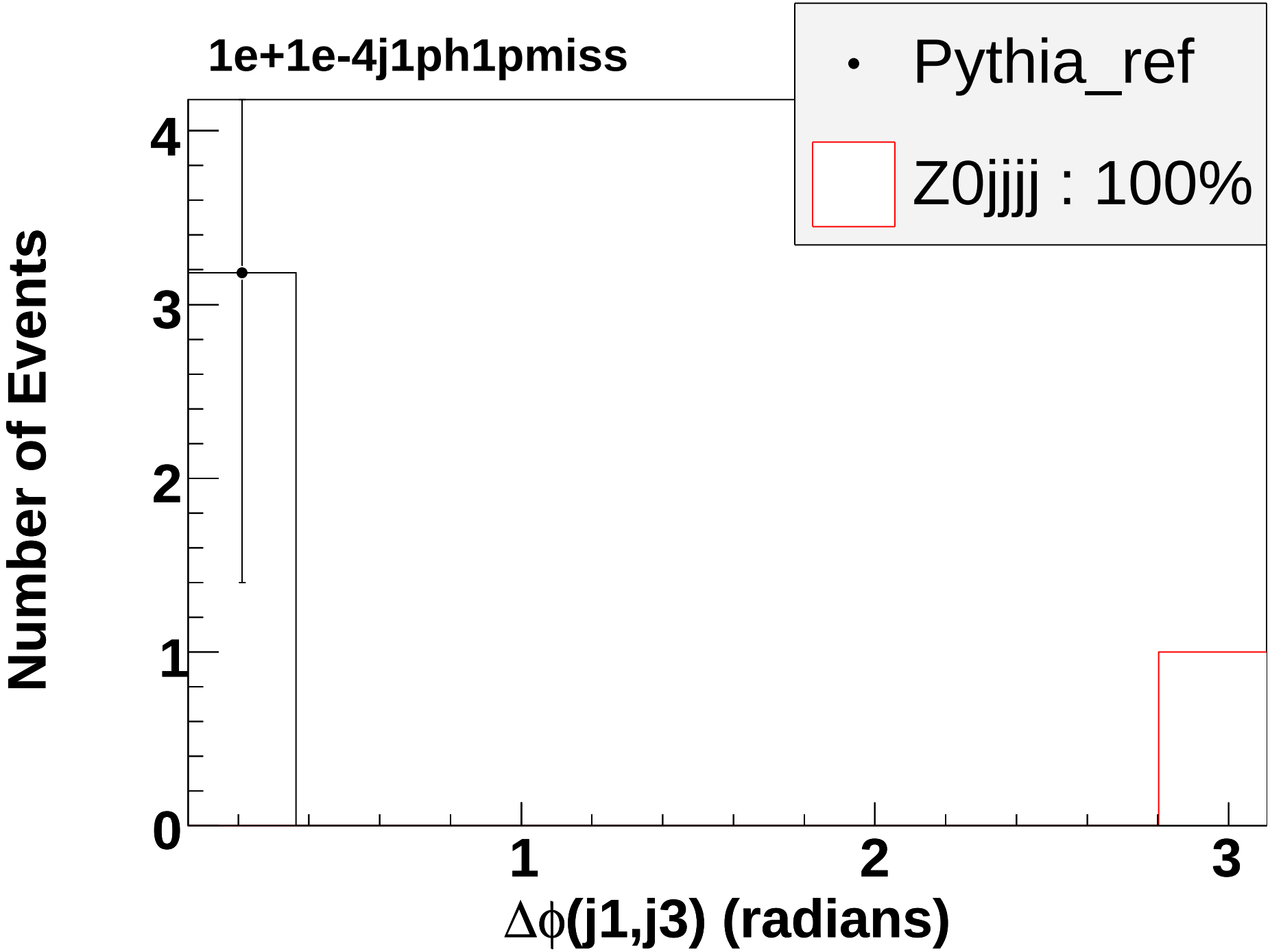

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
1.65
1.7
1.75
Δϕ(γ,j2) (radians)

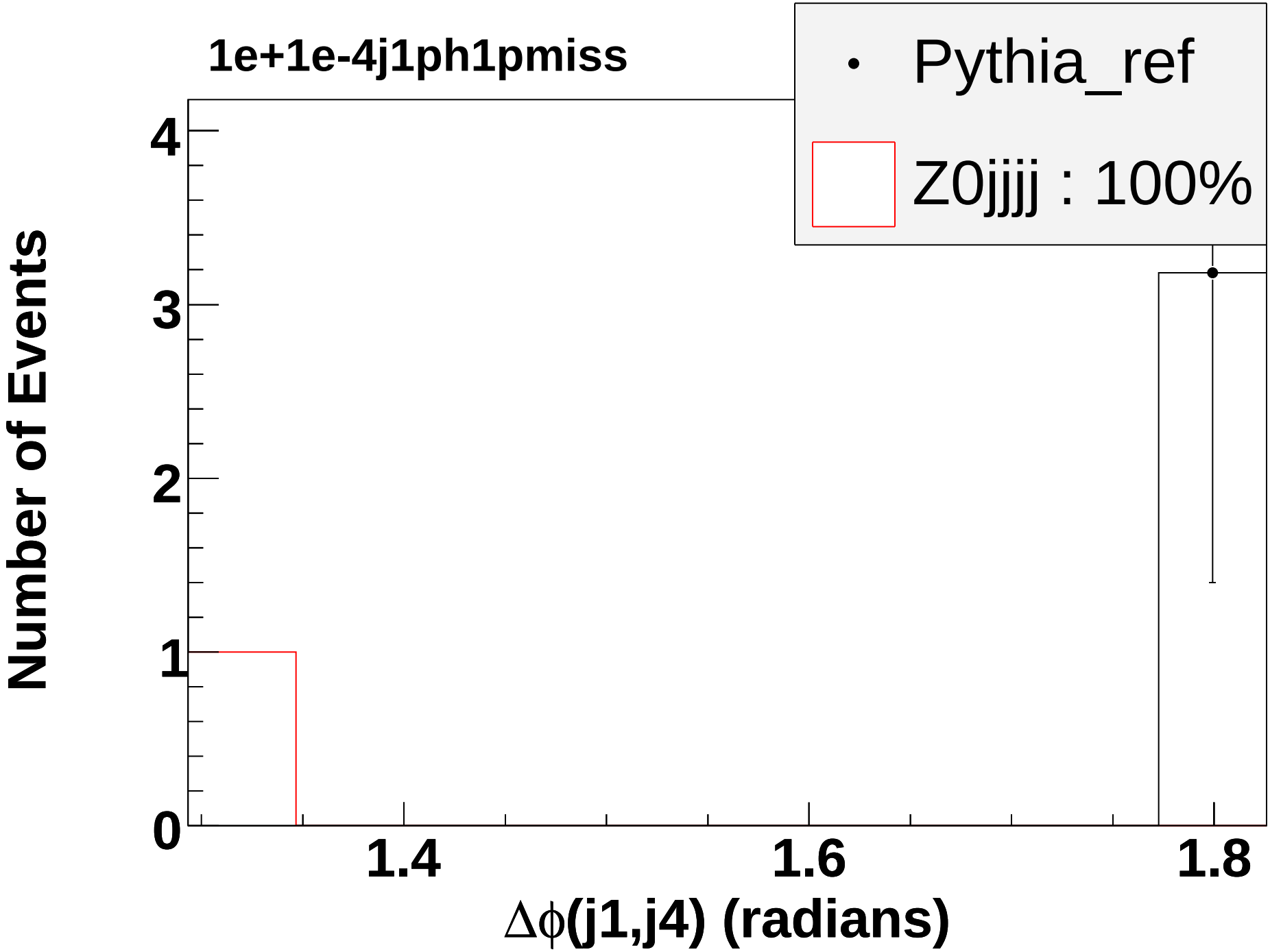

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
1
1.5
2
2.5
Δϕ(γ,j3) (radians)

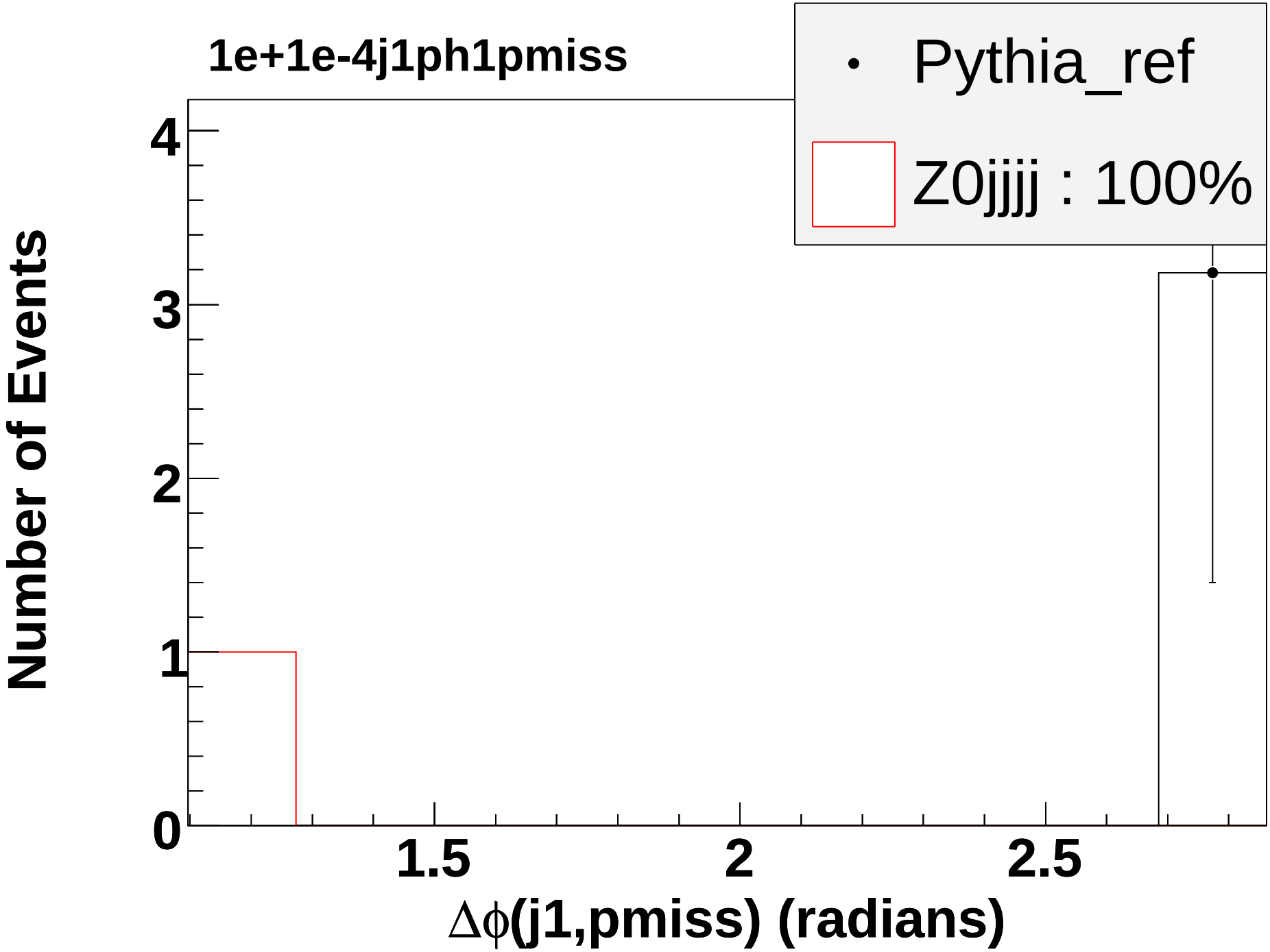

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
1
1.5
2
2.5
Δϕ(γ,j4) (radians)

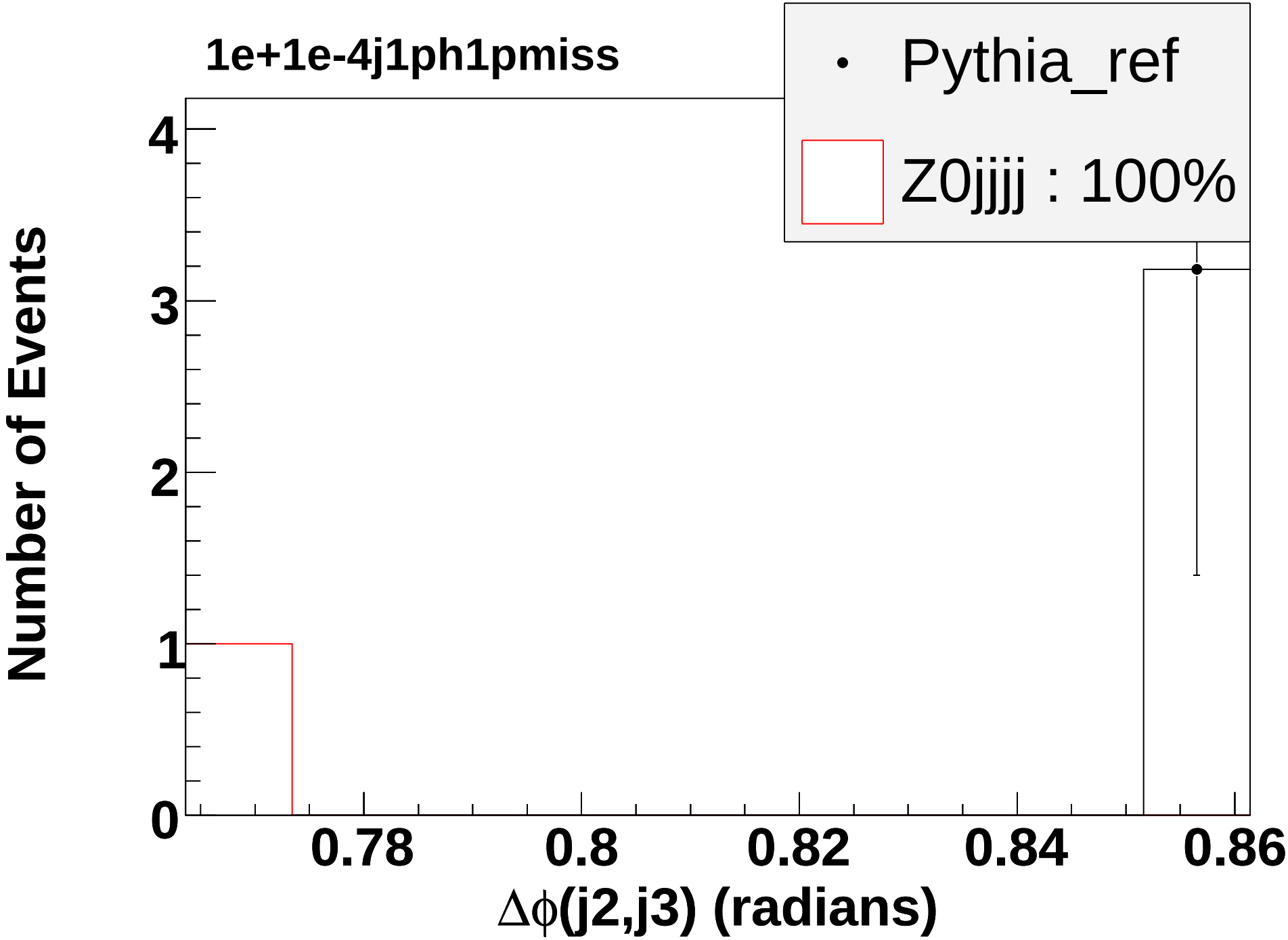

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
0.8
1
1.2
Δϕ(γ,pmiss) (radians)

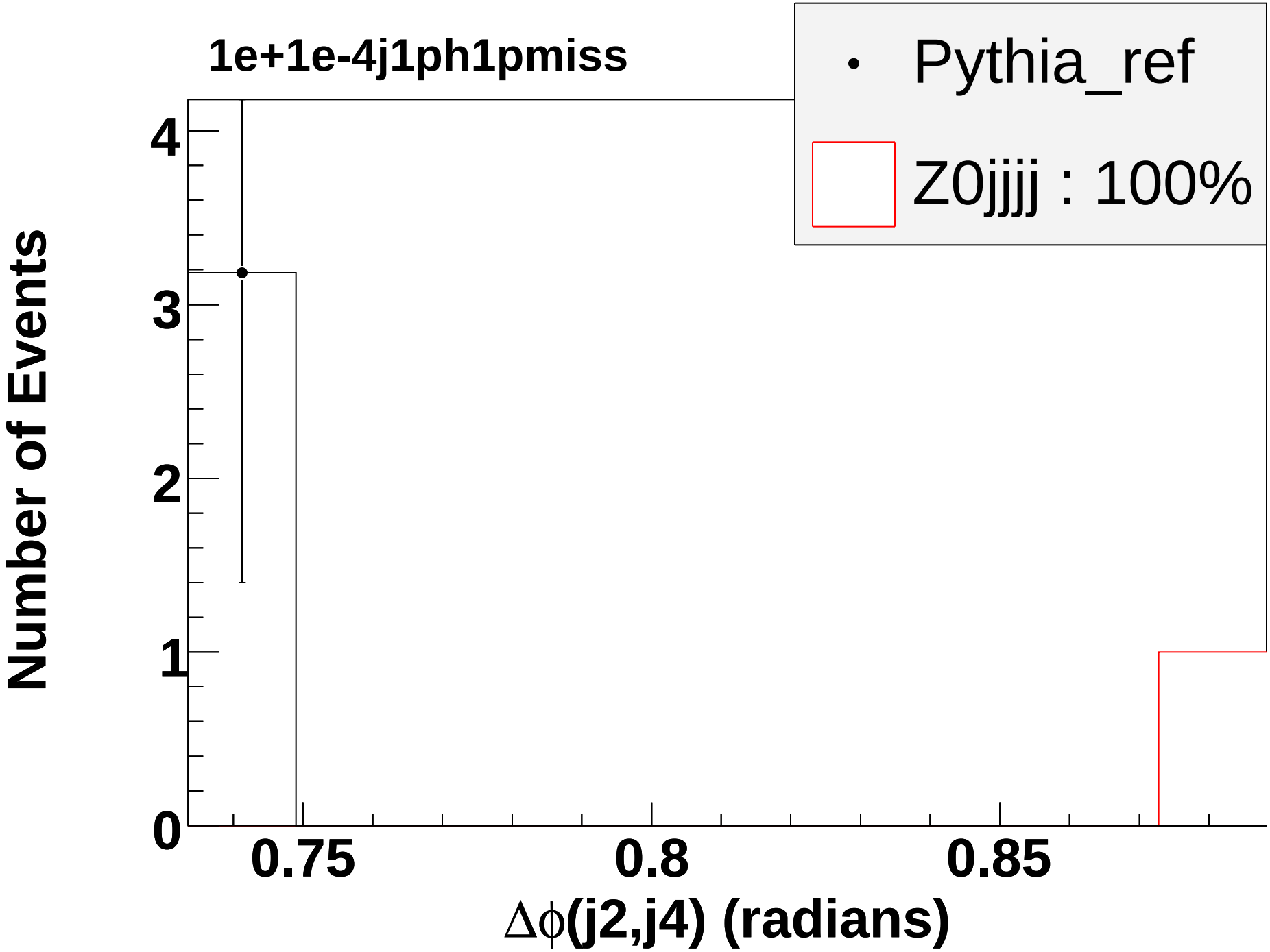

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
1.5
2
Δϕ(j1,j2) (radians)

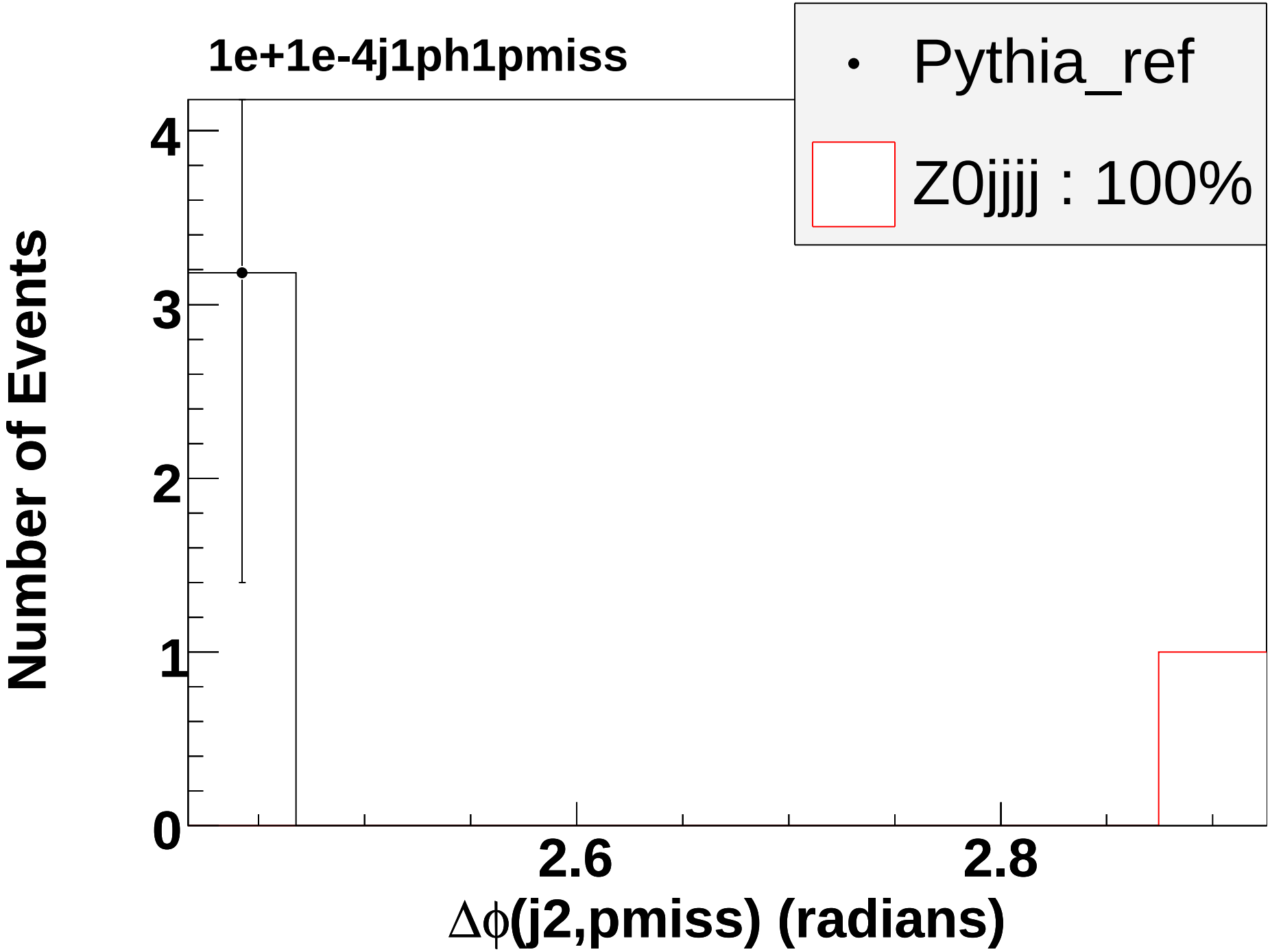

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
1
2
3
Δϕ(j1,j3) (radians)

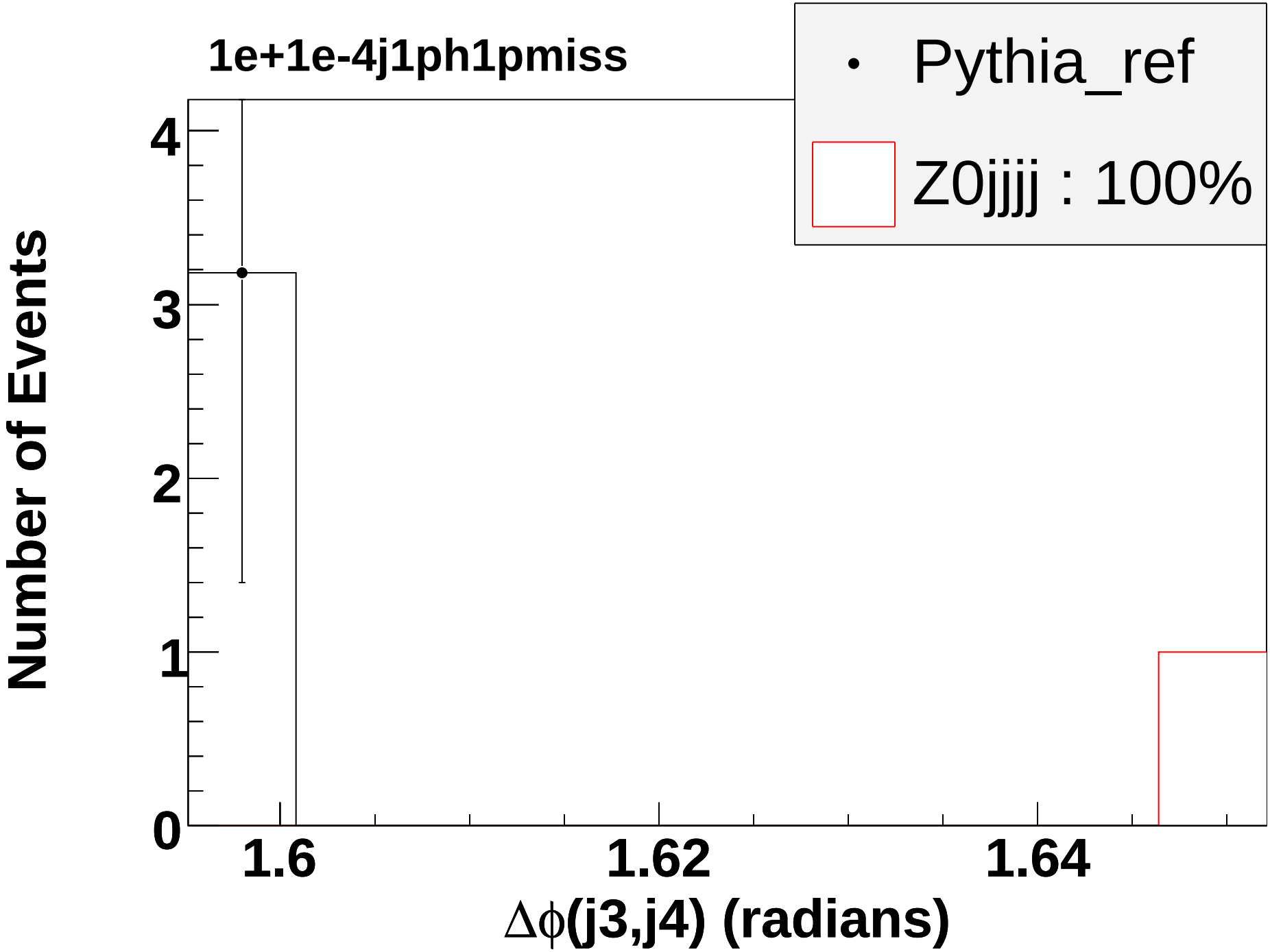

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
1.4
1.6
1.8
Δϕ(j1,j4) (radians)

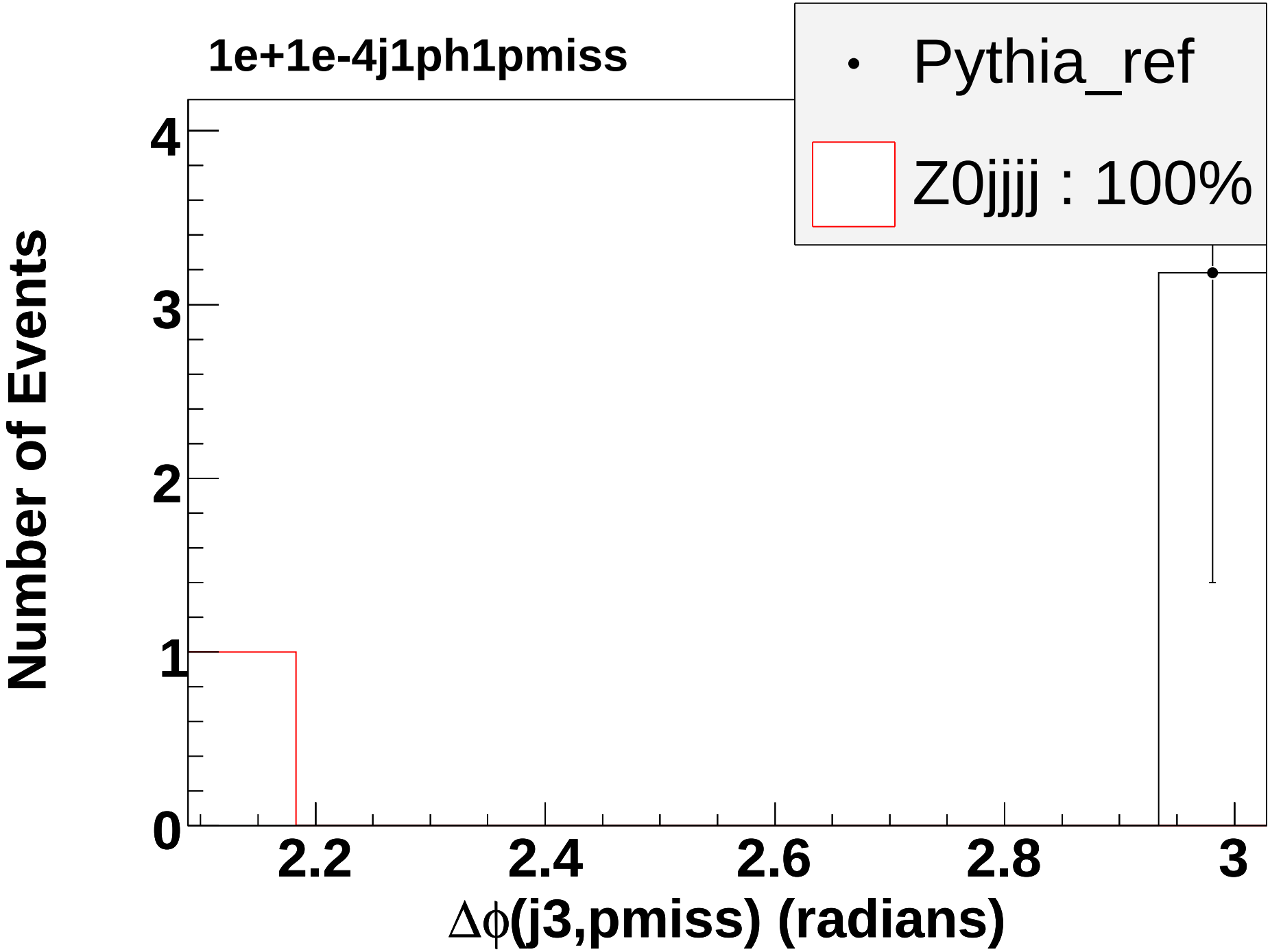

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
1.5
2
2.5
Δϕ(j1,pmiss) (radians)

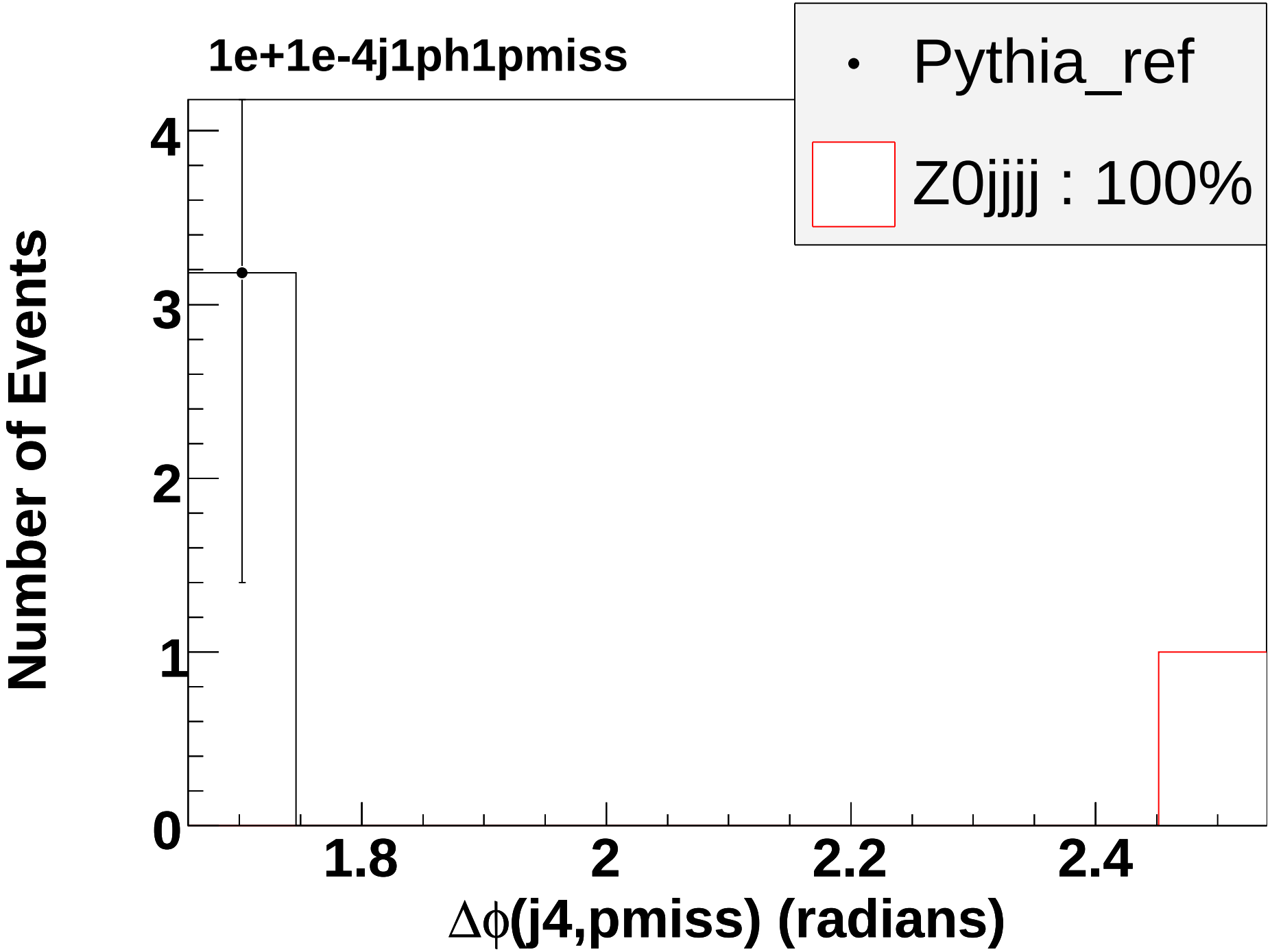

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
0.78
0.8
0.82
0.84
0.86
Δϕ(j2,j3) (radians)

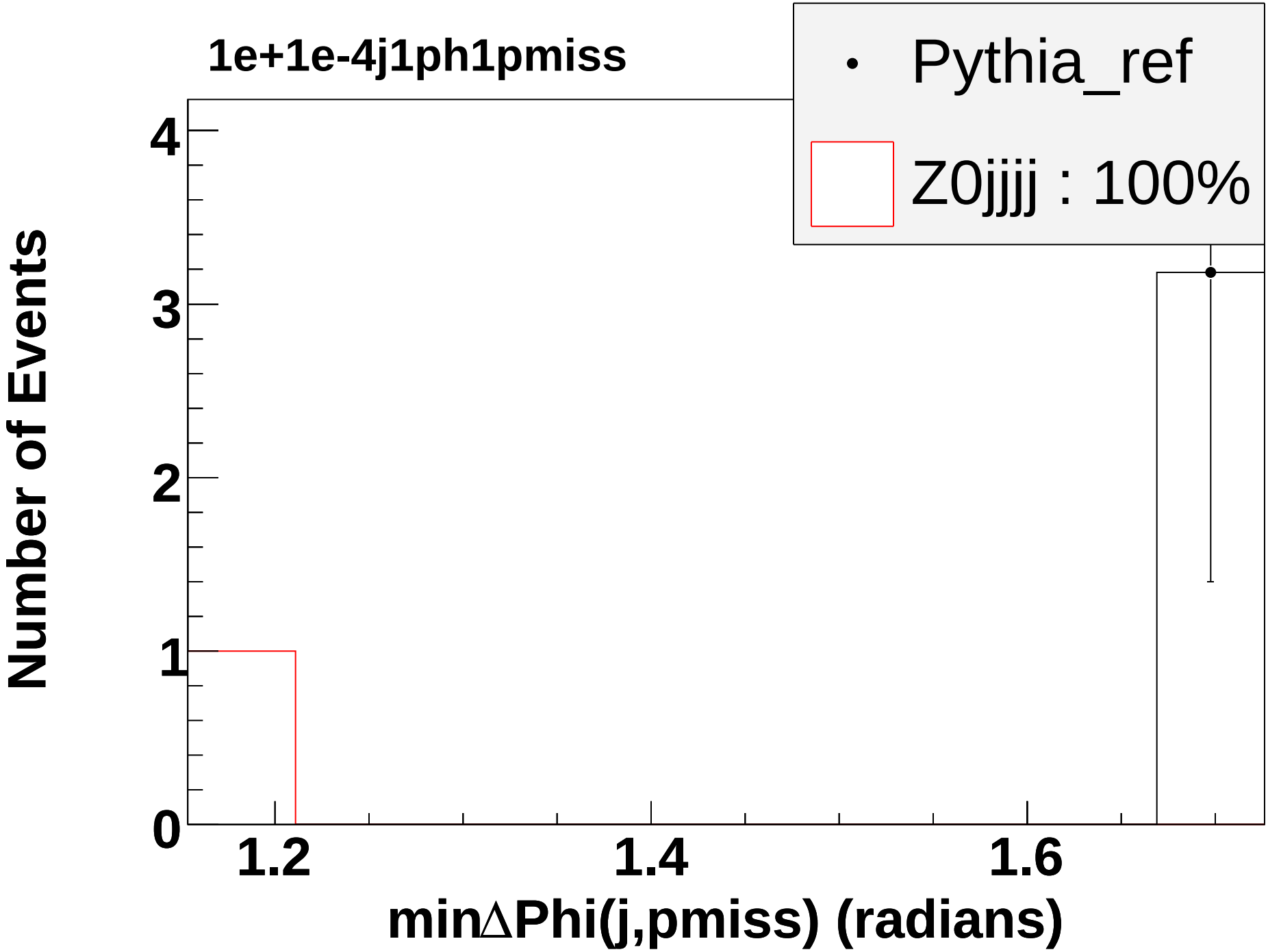

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
0.75
0.8
0.85
Δϕ(j2,j4) (radians)

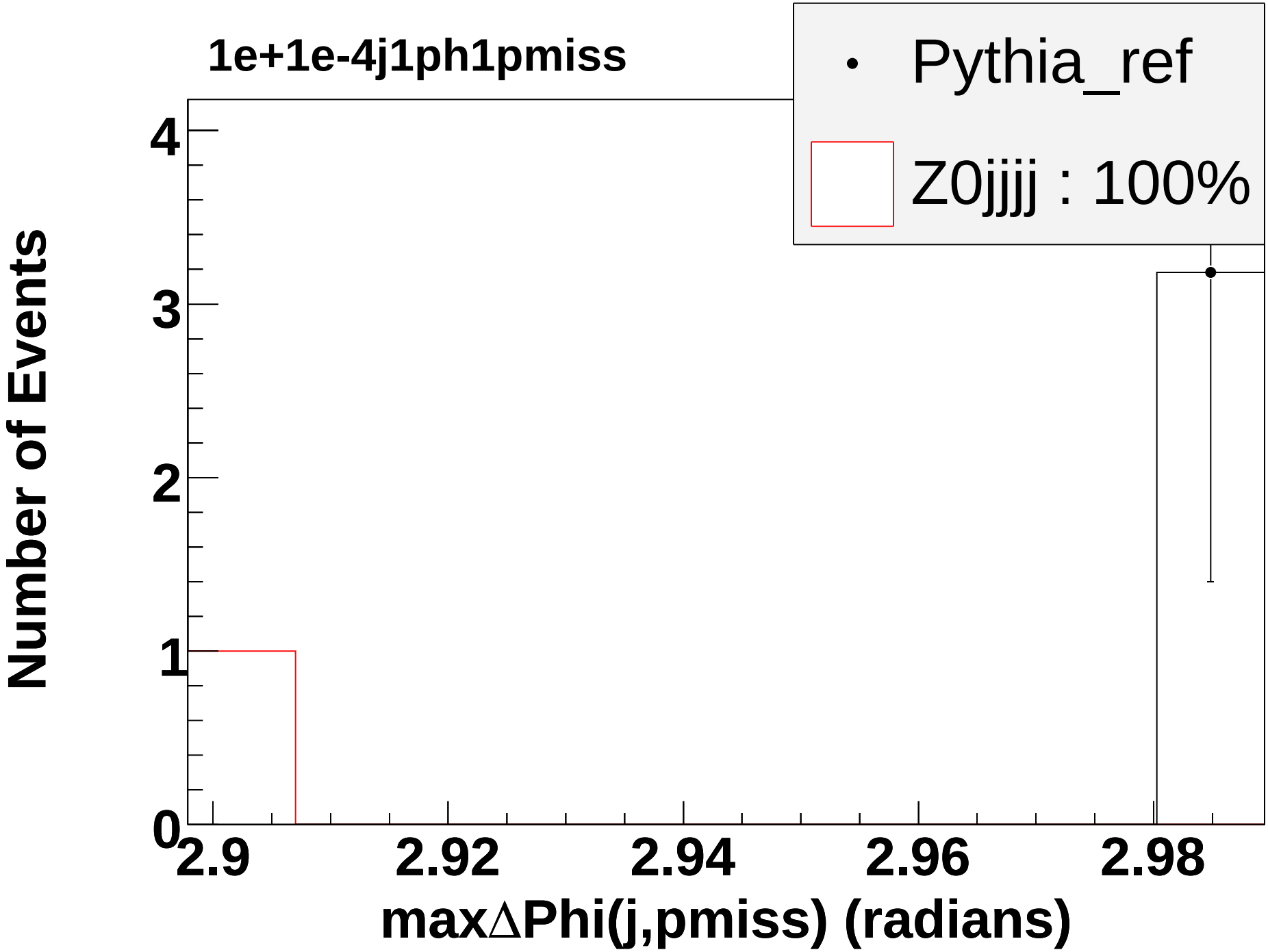

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
2.6
2.8
Δϕ(j2,pmiss) (radians)

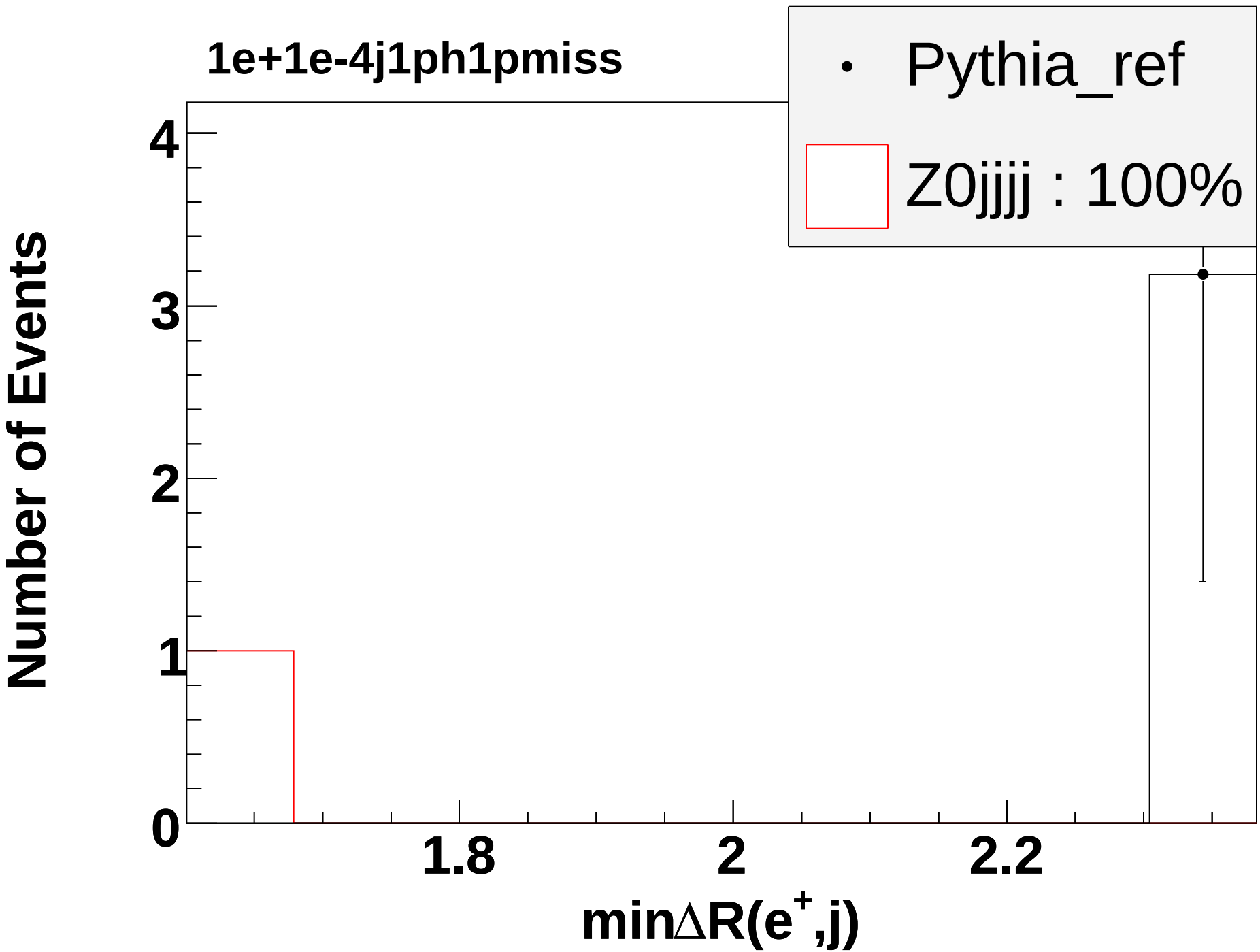

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
1.6
1.62
1.64
Δϕ(j3,j4) (radians)

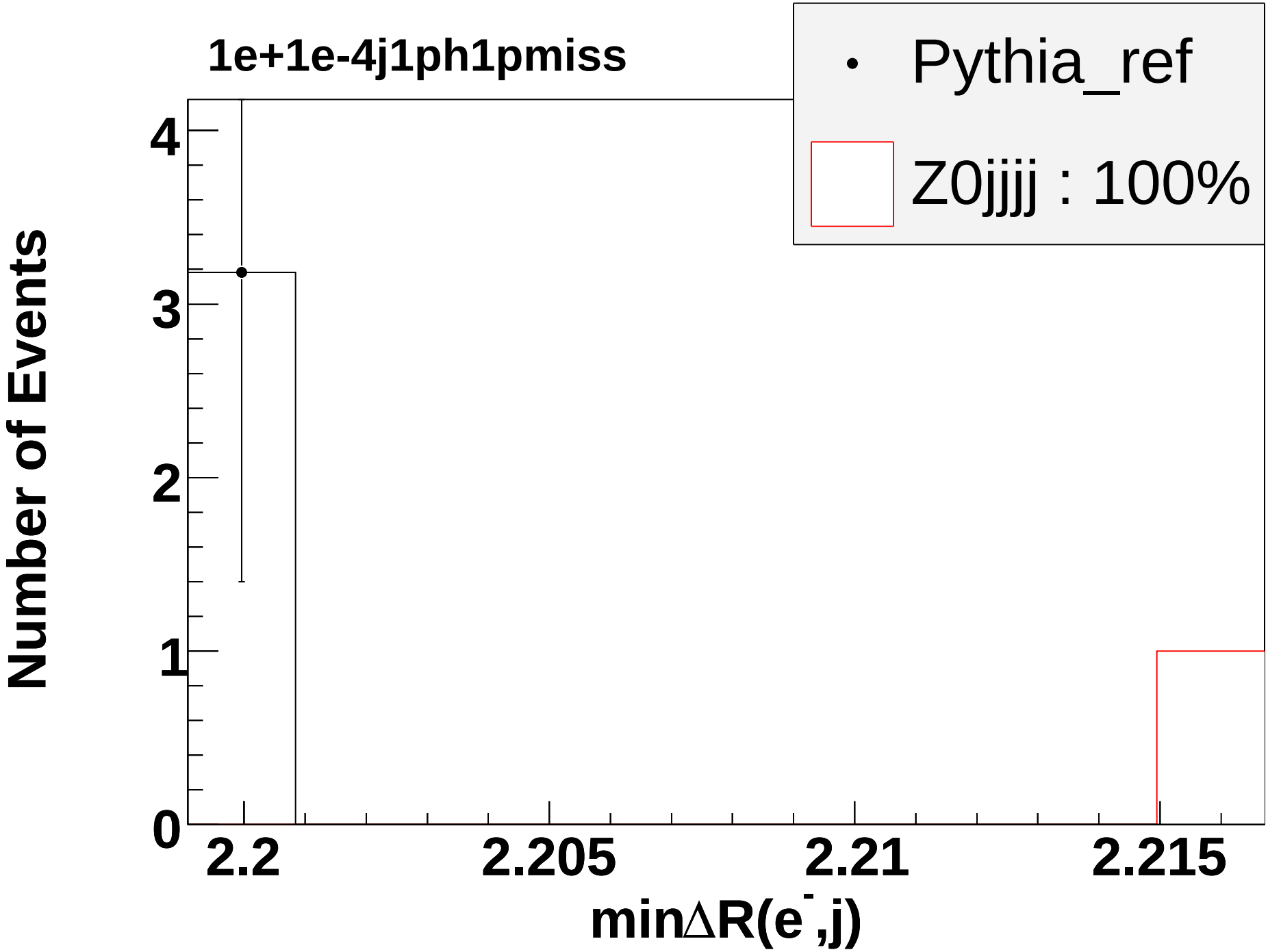

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
2.2
2.4
2.6
2.8
3
Δϕ(j3,pmiss) (radians)

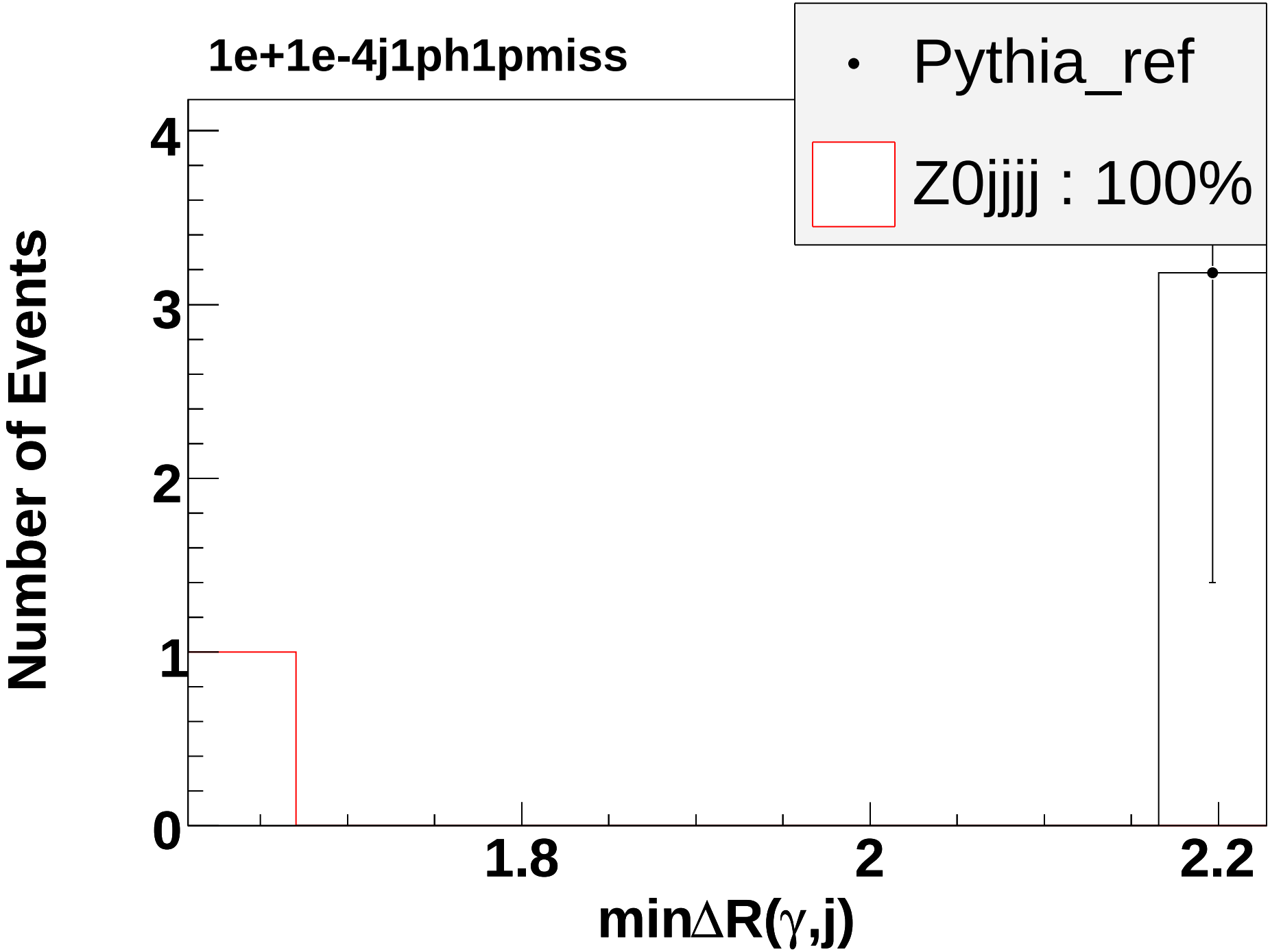

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
1.8
2
2.2
2.4
Δϕ(j4,pmiss) (radians)

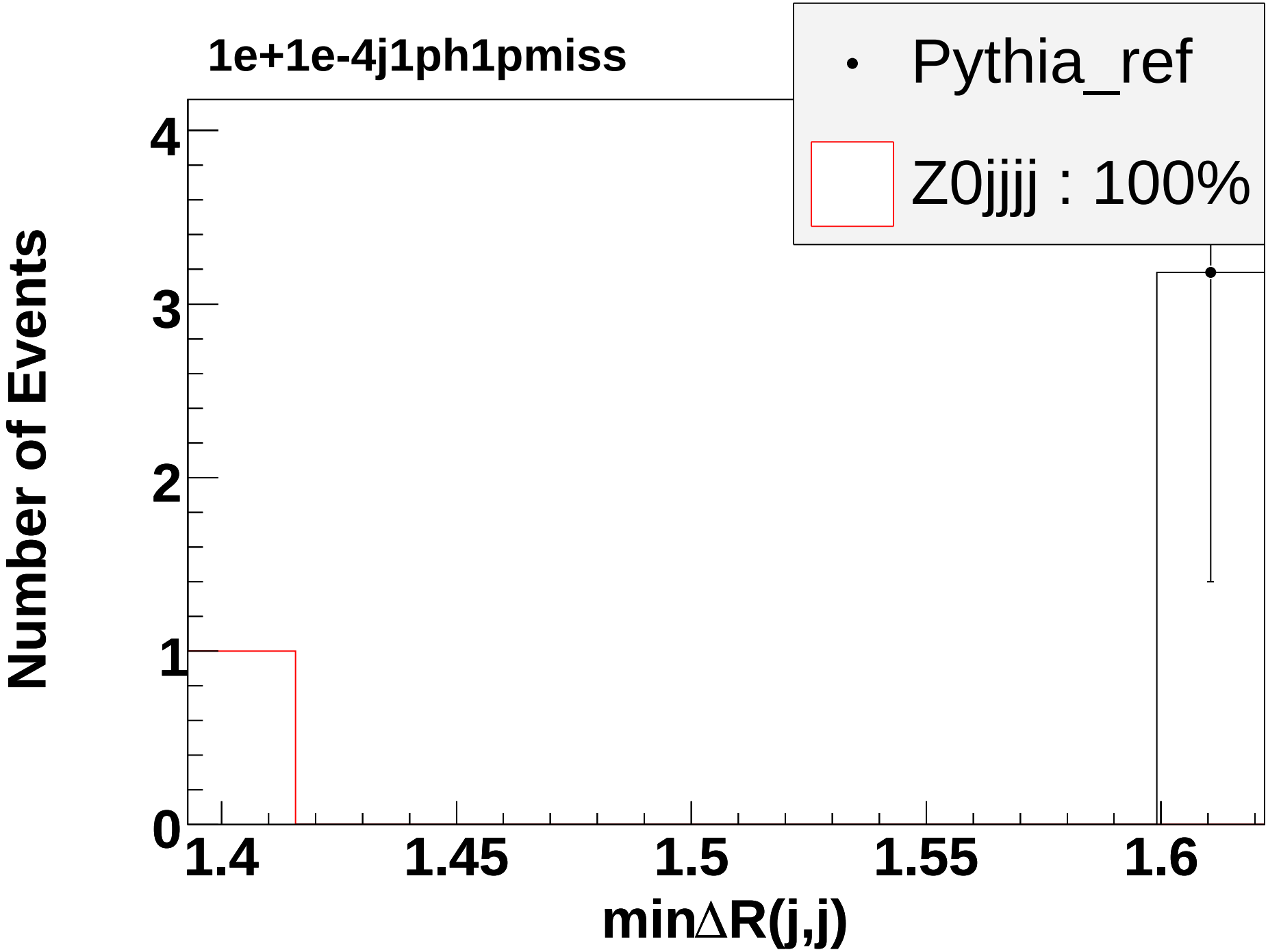

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
1.2
1.4
1.6
minΔPhi(j,pmiss) (radians)

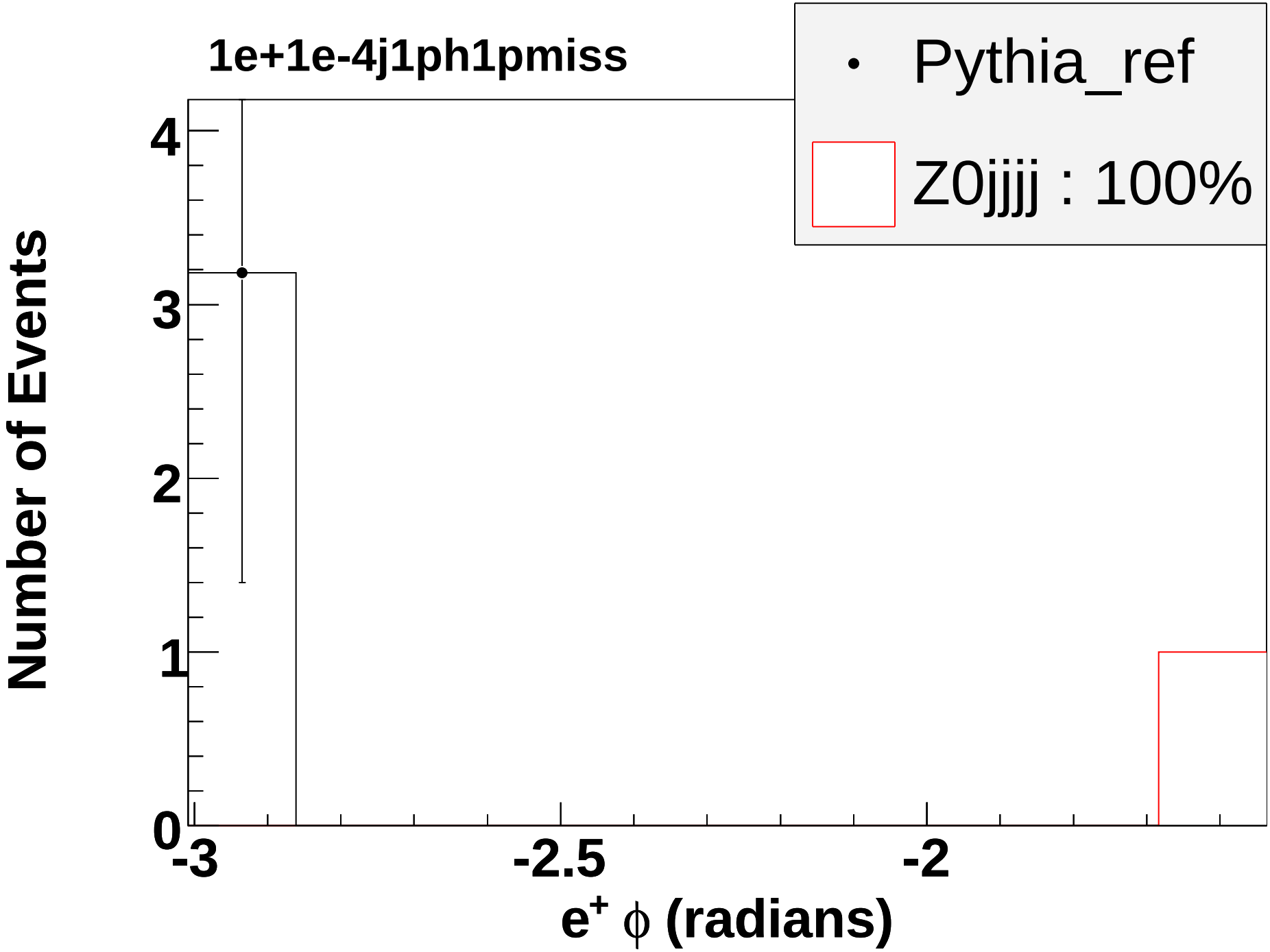

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
2.9
2.92
2.94
2.96
2.98
maxΔPhi(j,pmiss) (radians)

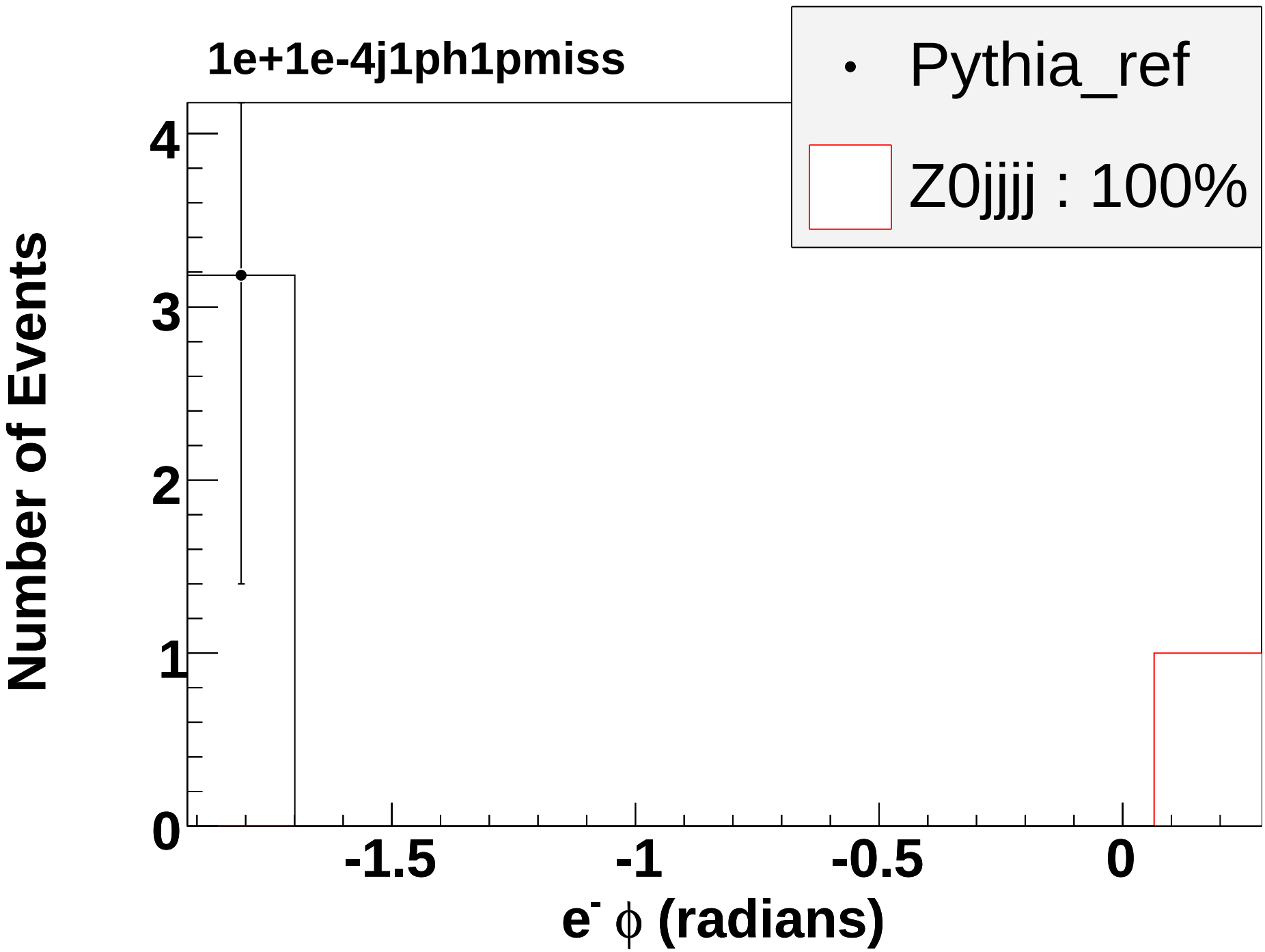

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
1.8
2
2.2
minΔR(e+,j)

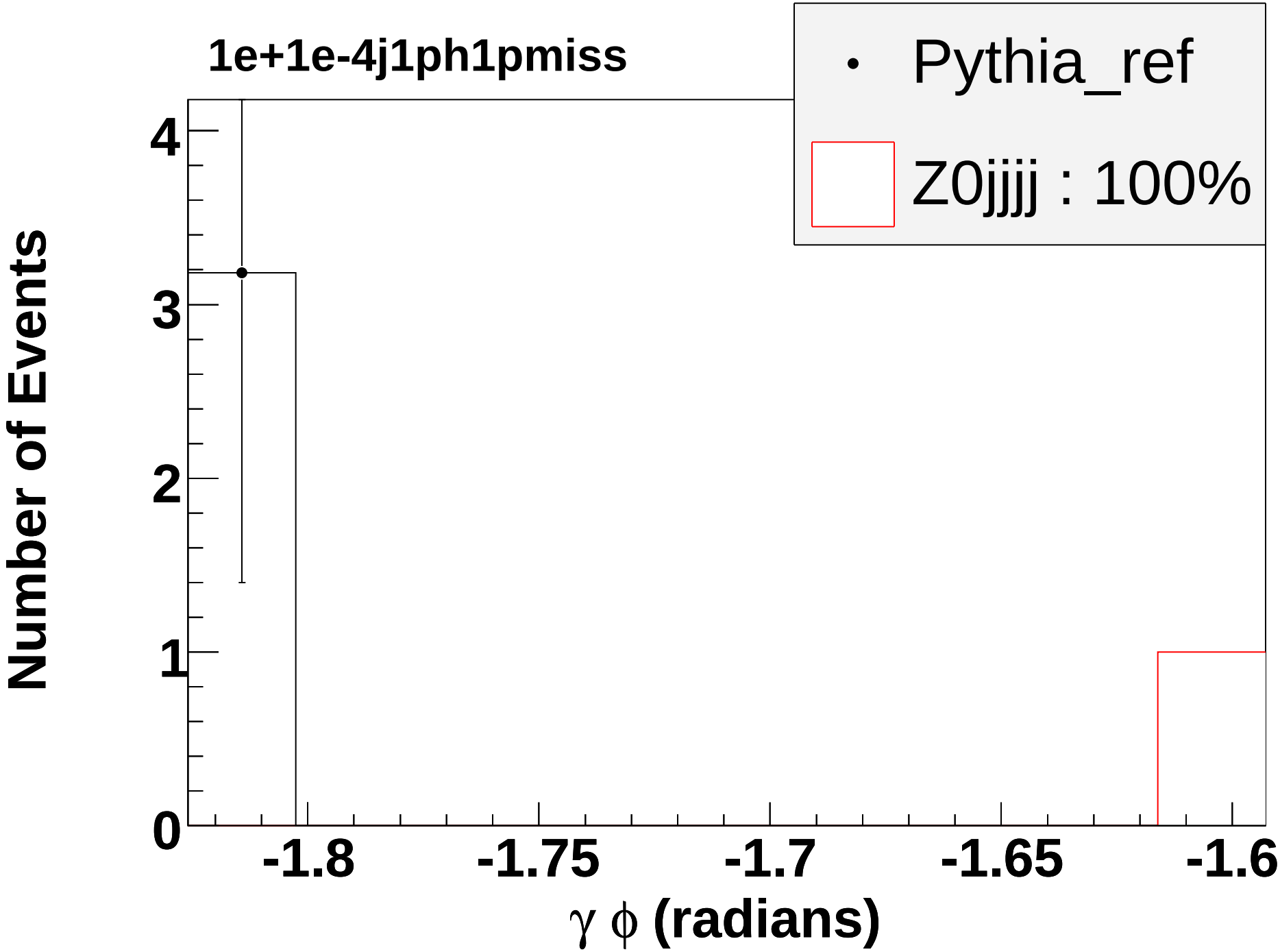

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
2.2
2.205
2.21
2.215
minΔR(e-,j)

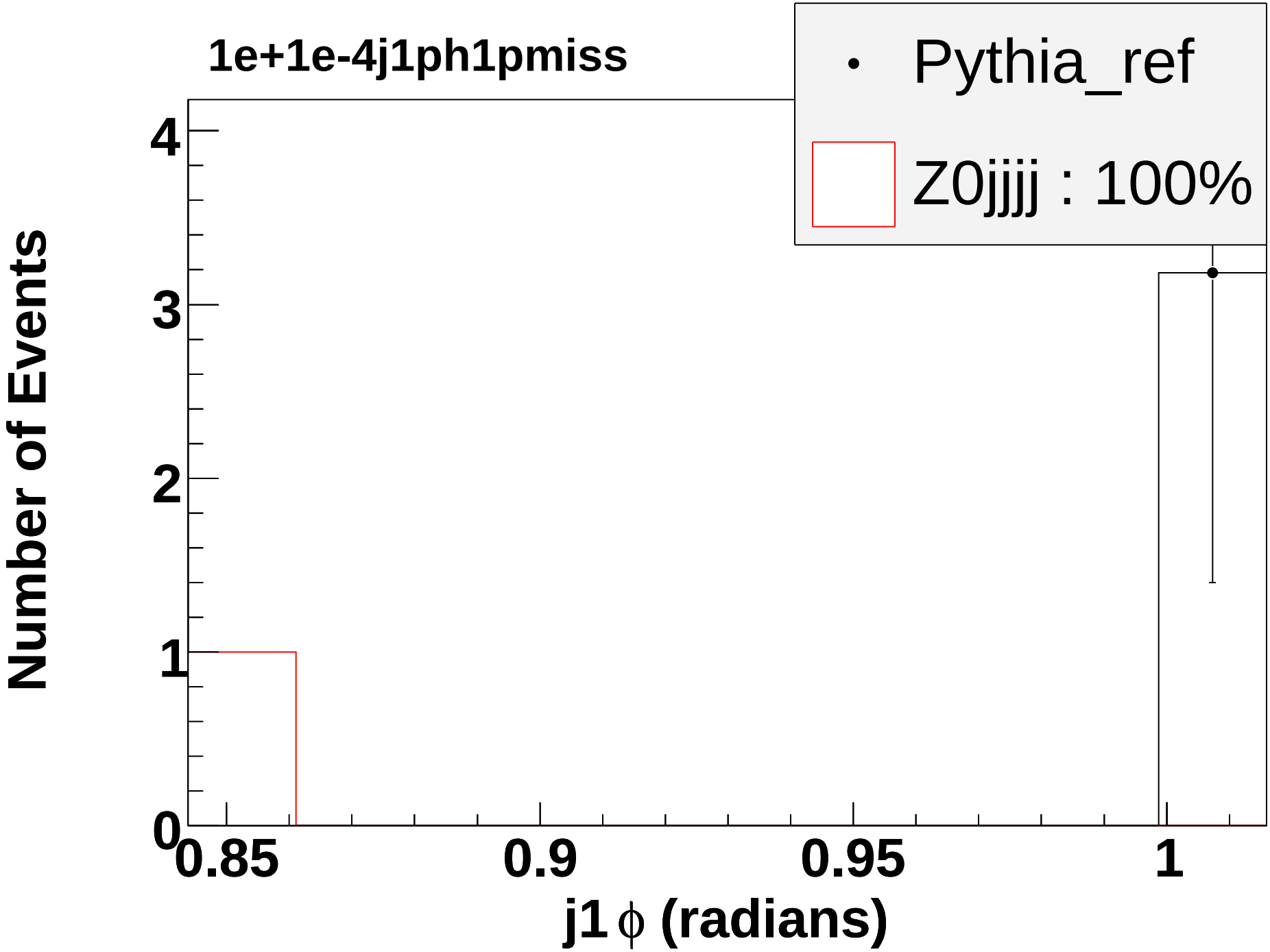

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
1.8
2
2.2
minΔR(γ,j)

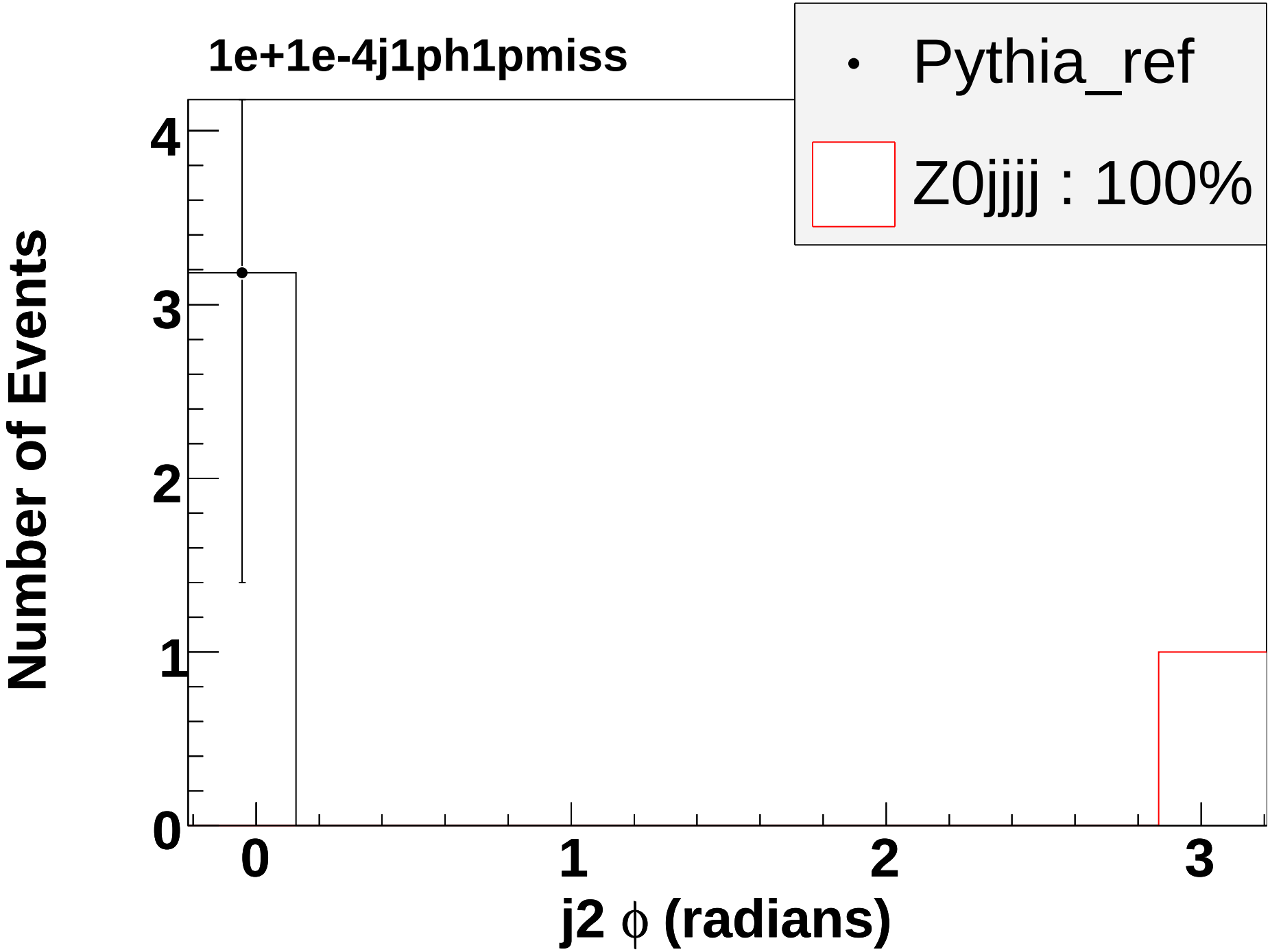

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
1.4
1.45
1.5
1.55
1.6
minΔR(j,j)

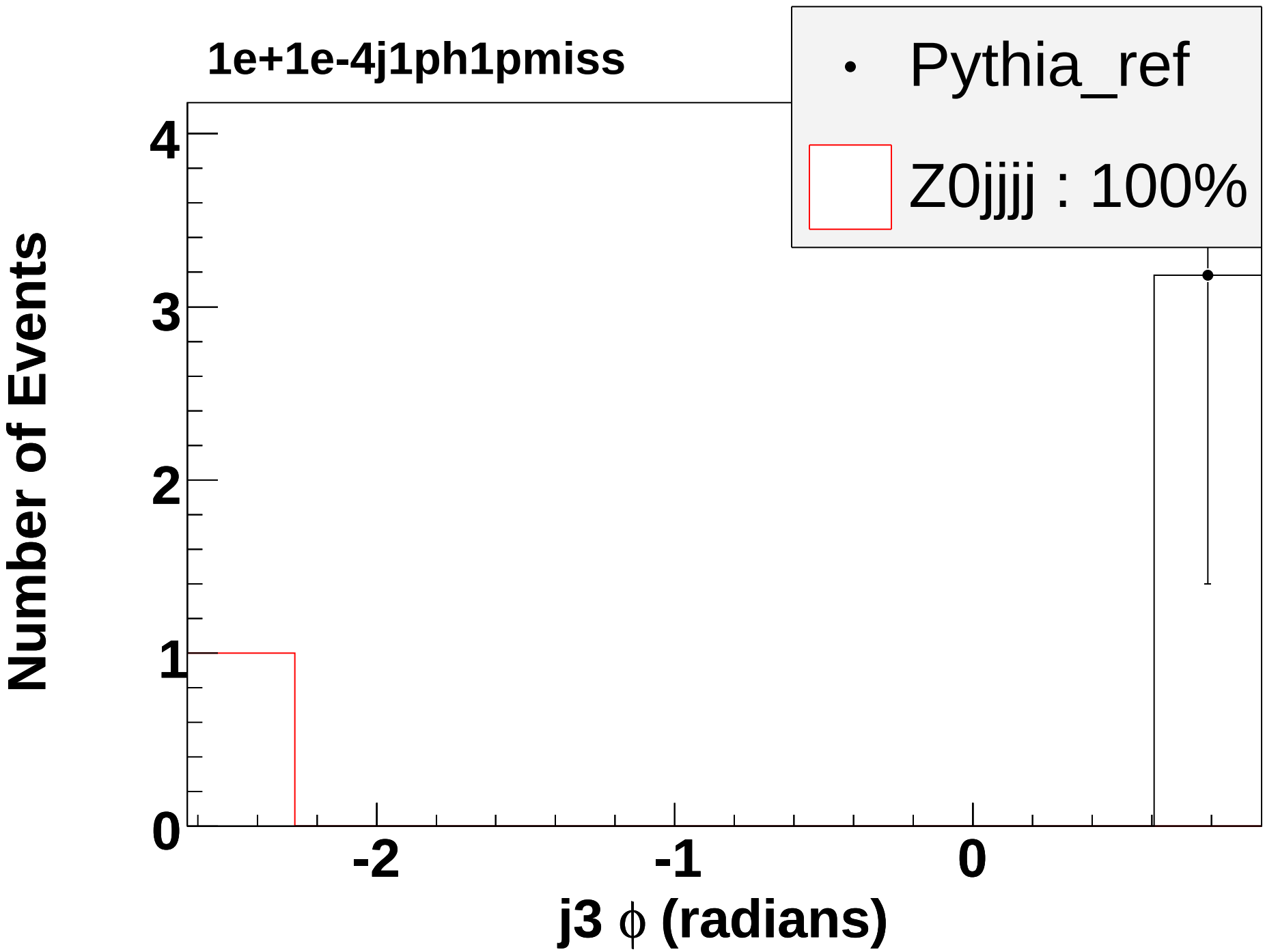

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
-3
-2.5
-2
e+ ϕ (radians)

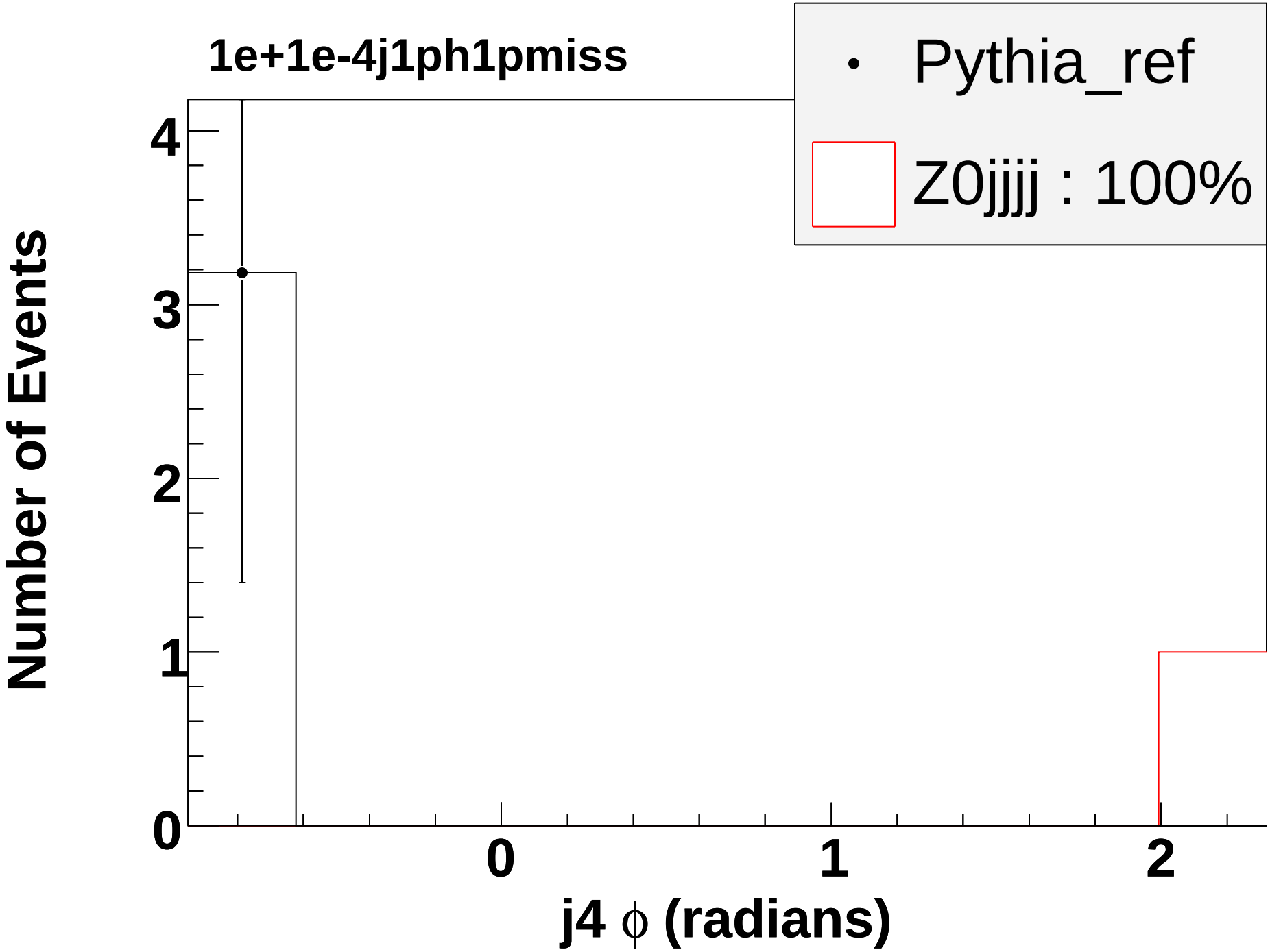

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
-1.5
-1
-0.5
0
e- ϕ (radians)

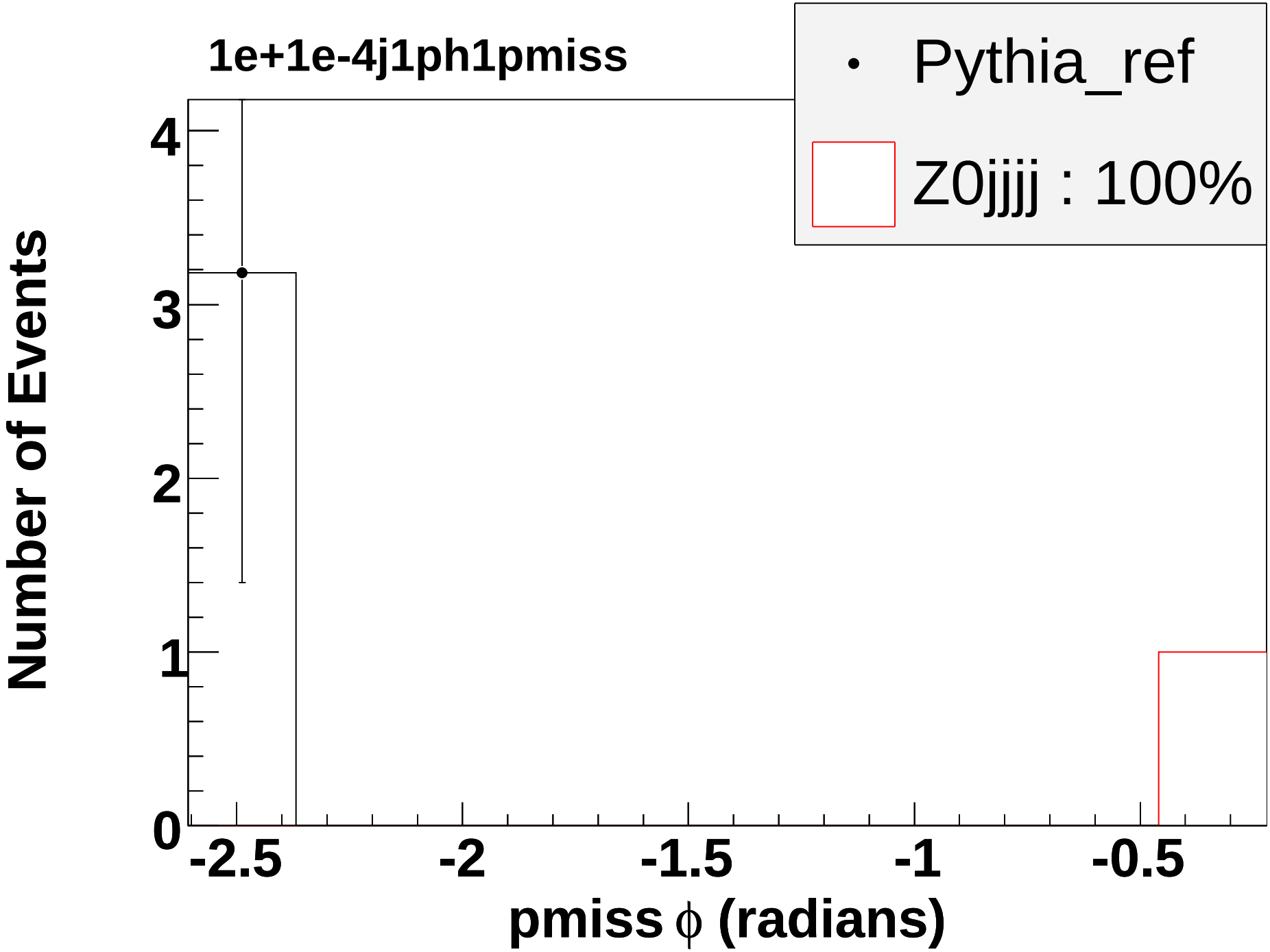

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
-1.8
-1.75
-1.7
-1.65
-1.6
γ ϕ (radians)

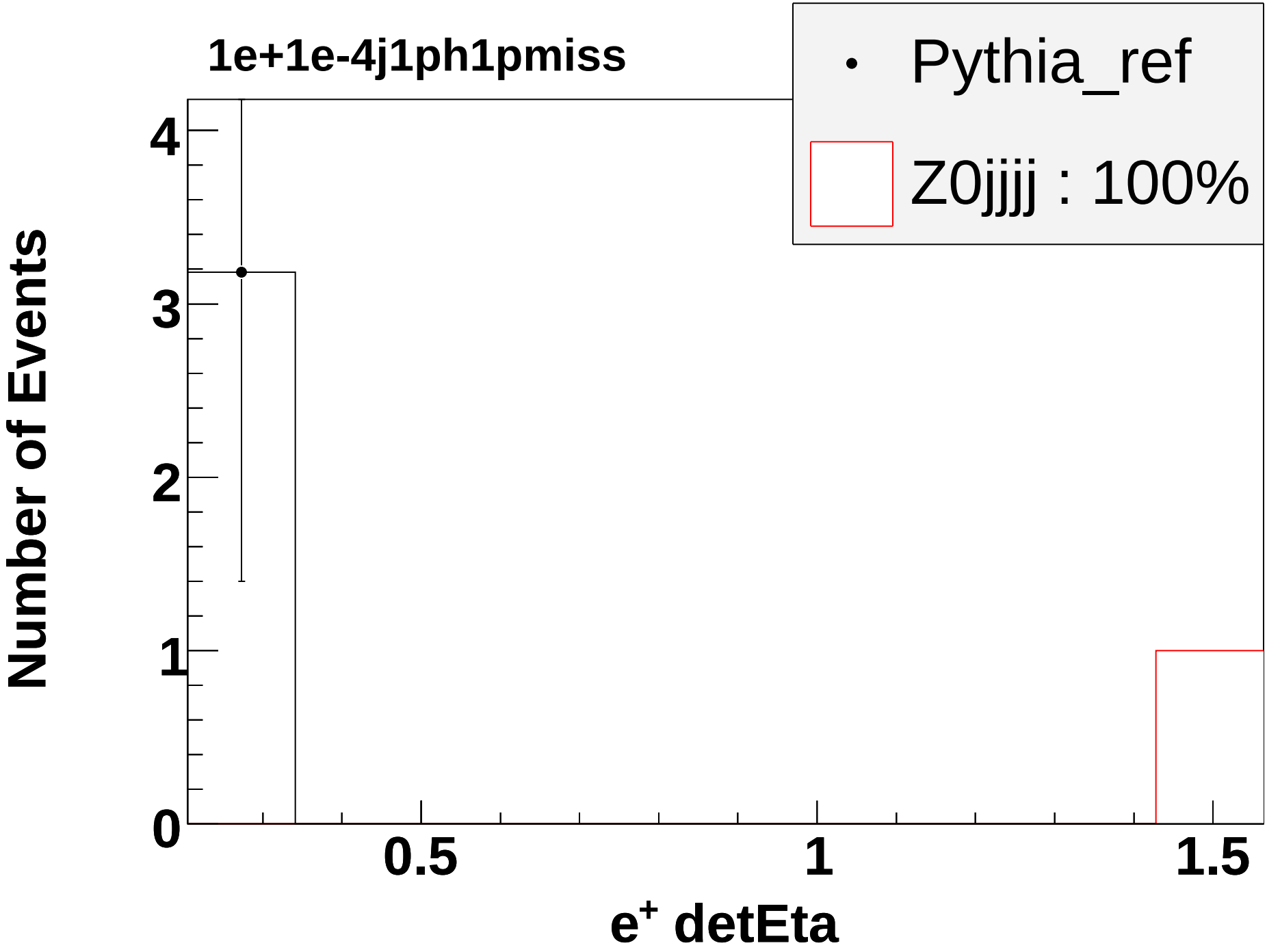

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
0.85
0.9
0.95
1
j1 ϕ (radians)

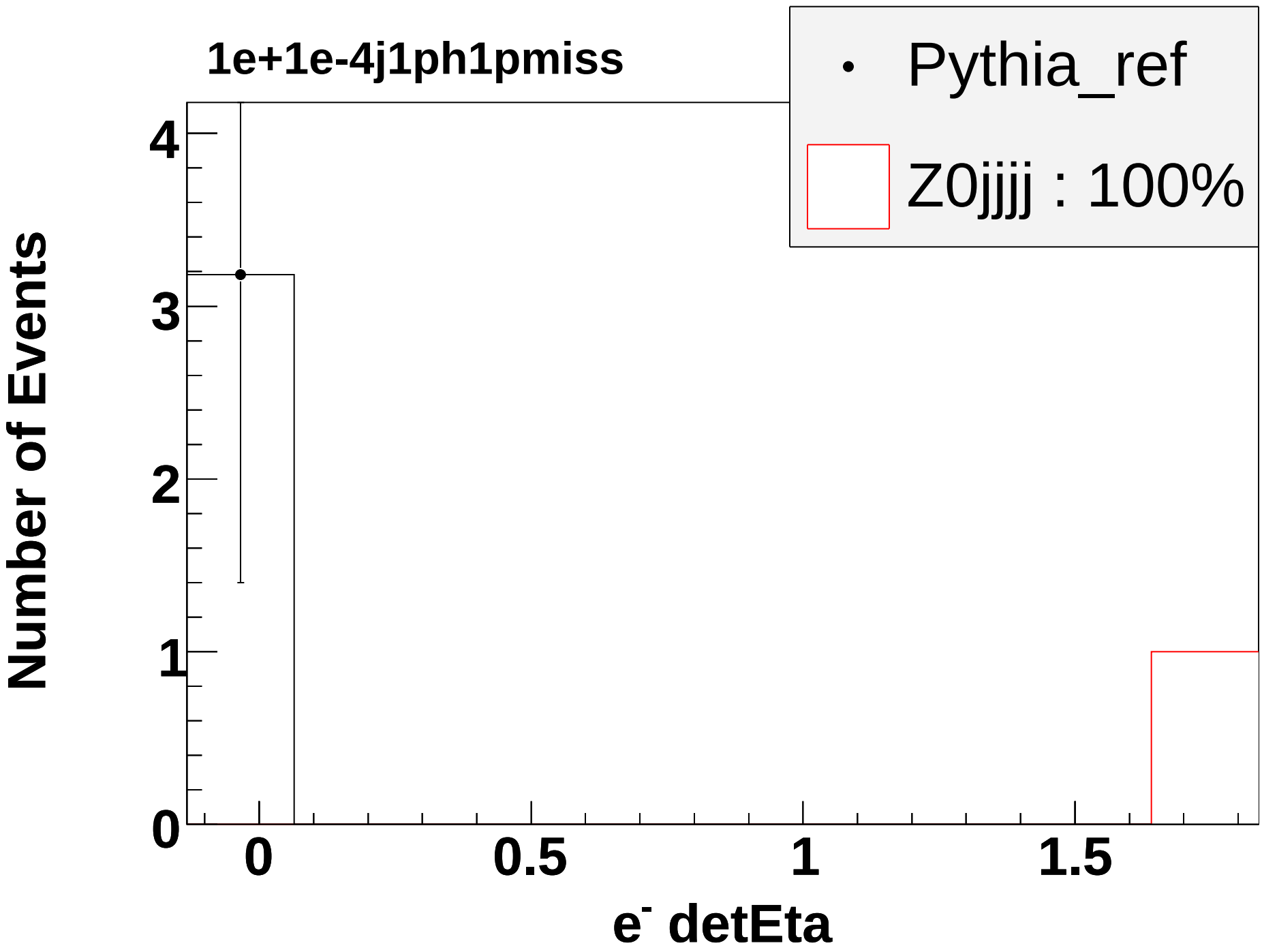

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
0
1
2
3
j2 ϕ (radians)

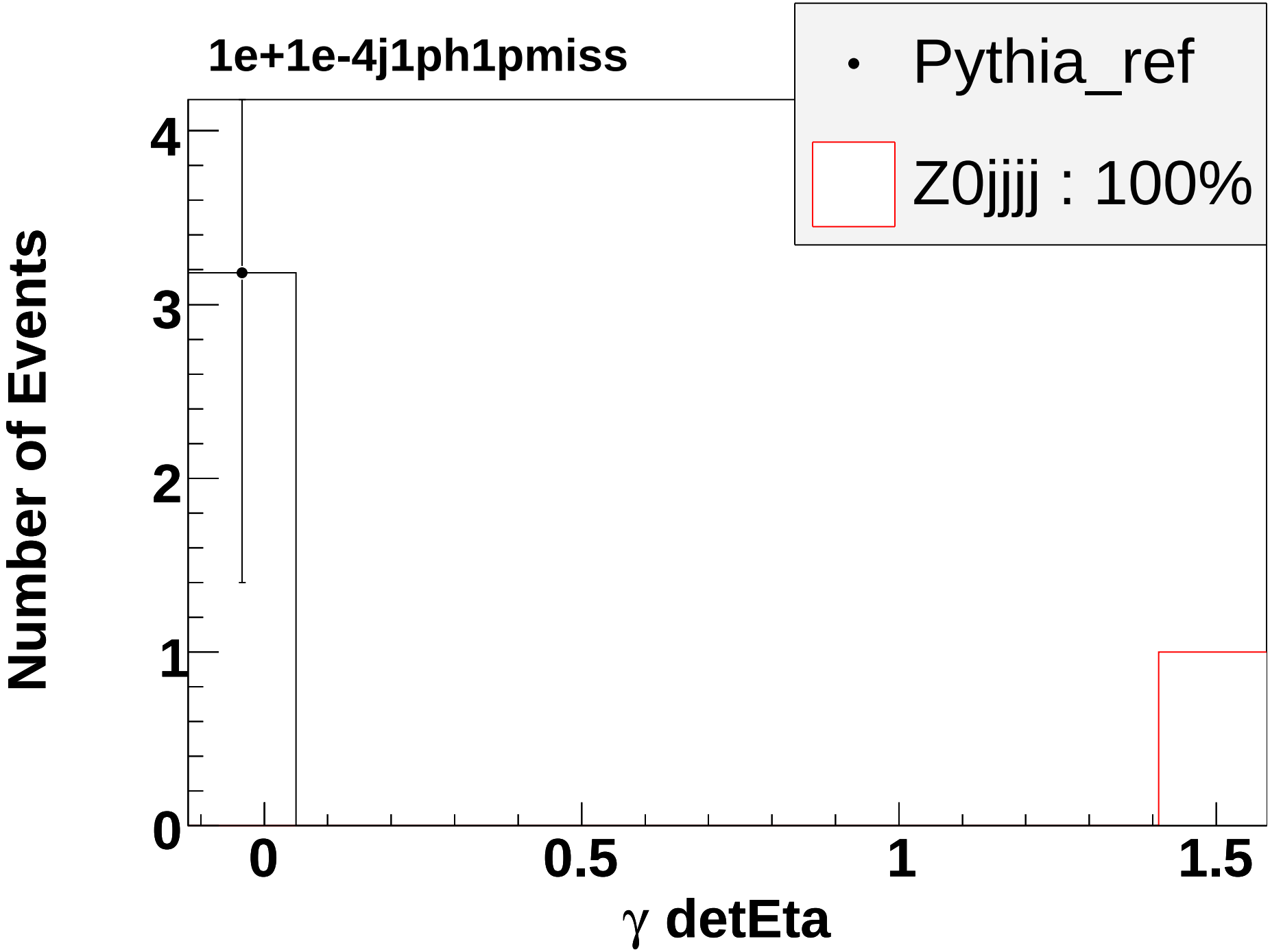

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
-2
-1
0
j3 ϕ (radians)

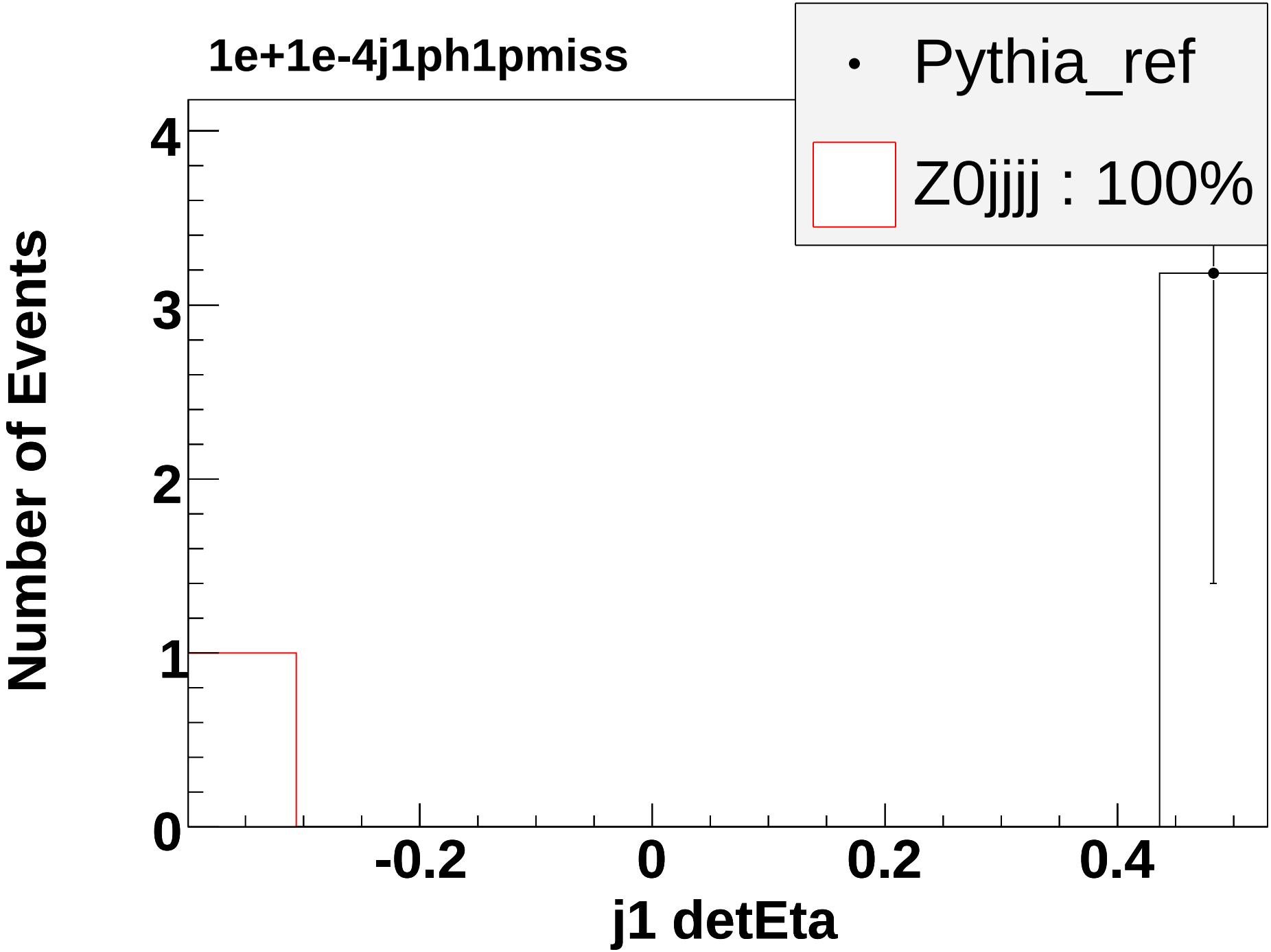

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
0
1
2
j4 ϕ (radians)

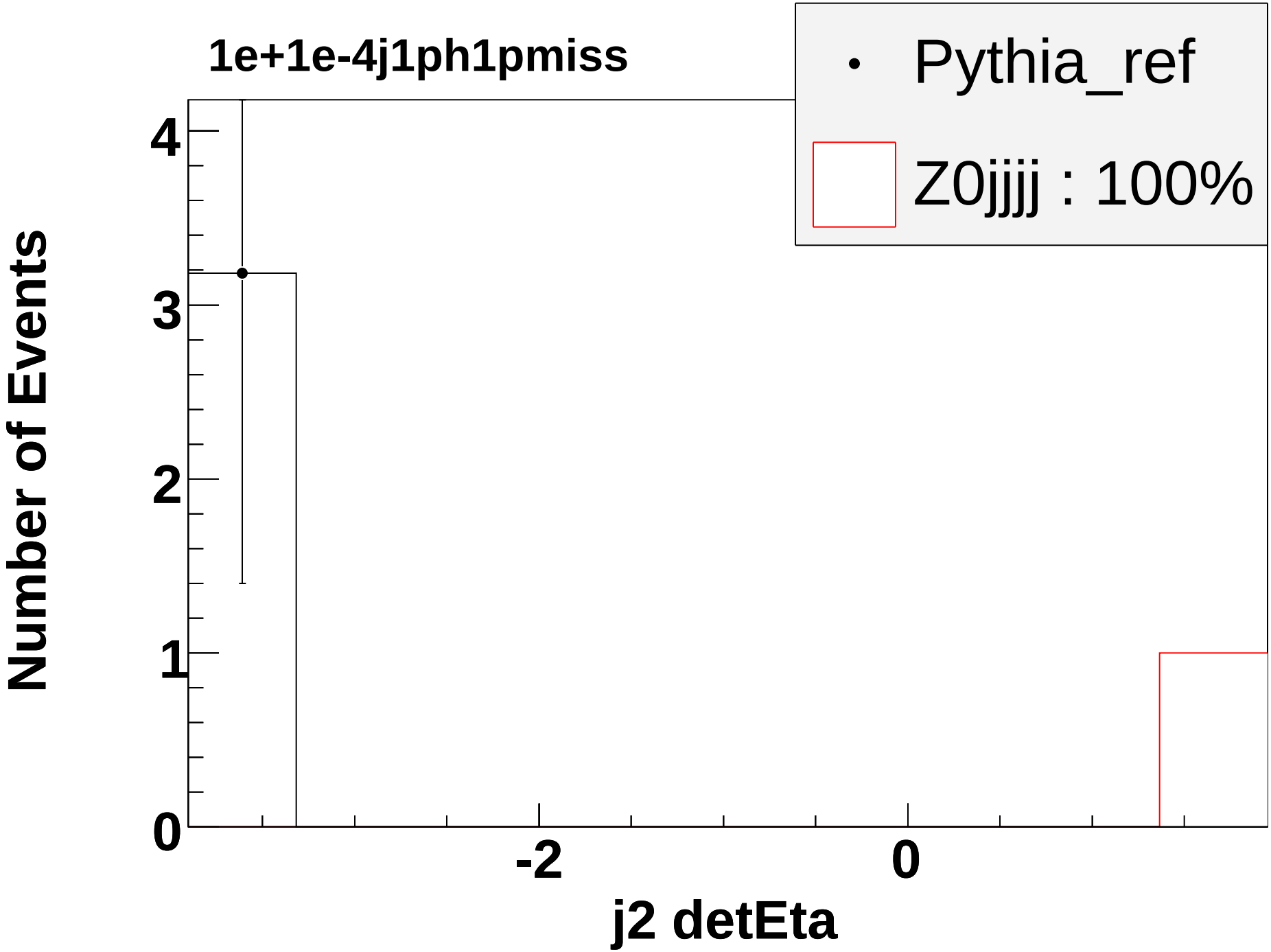

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
-2.5
-2
-1.5
-1
-0.5
pmiss ϕ (radians)

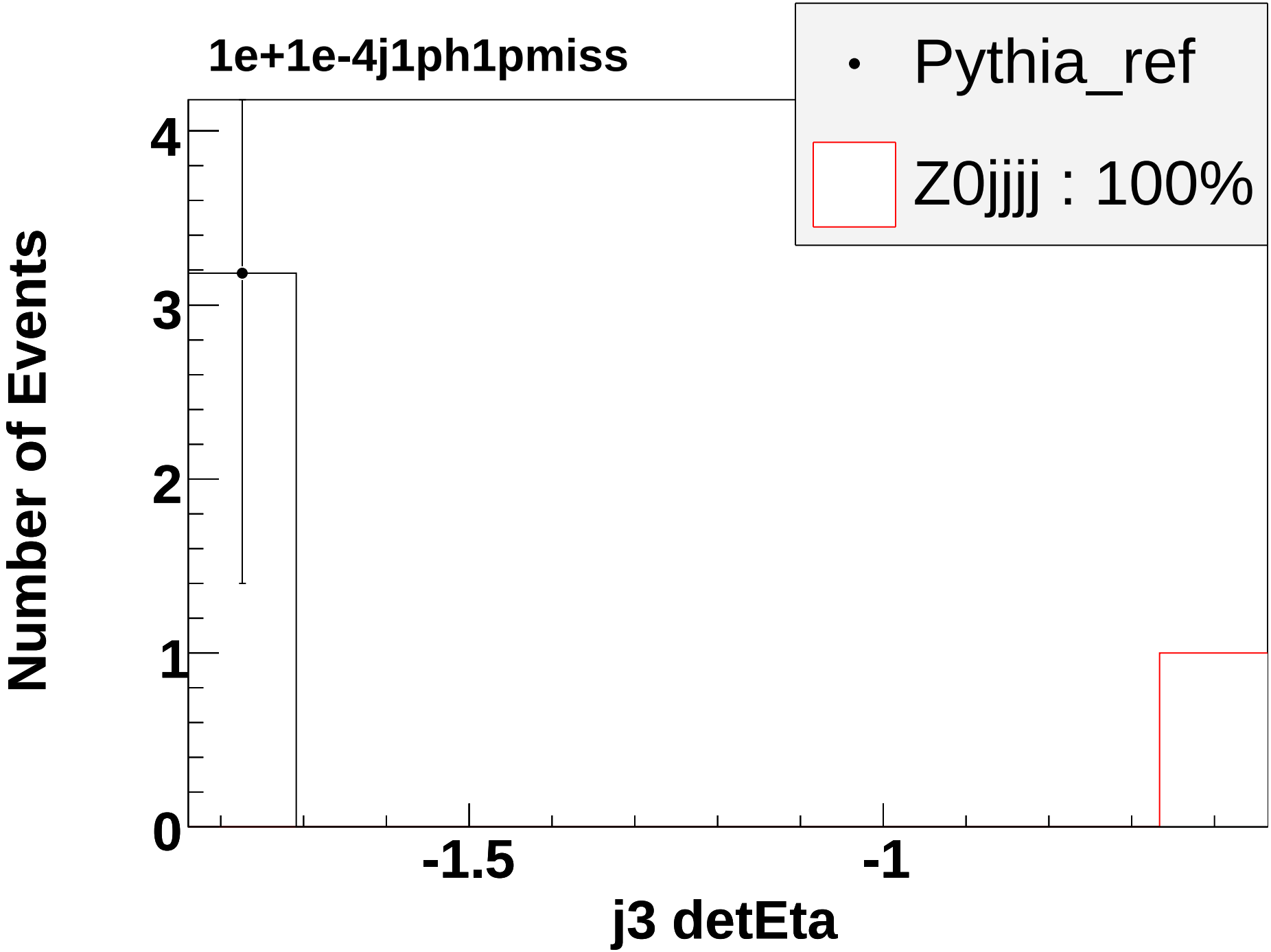

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
0.5
1
1.5
e+ detEta

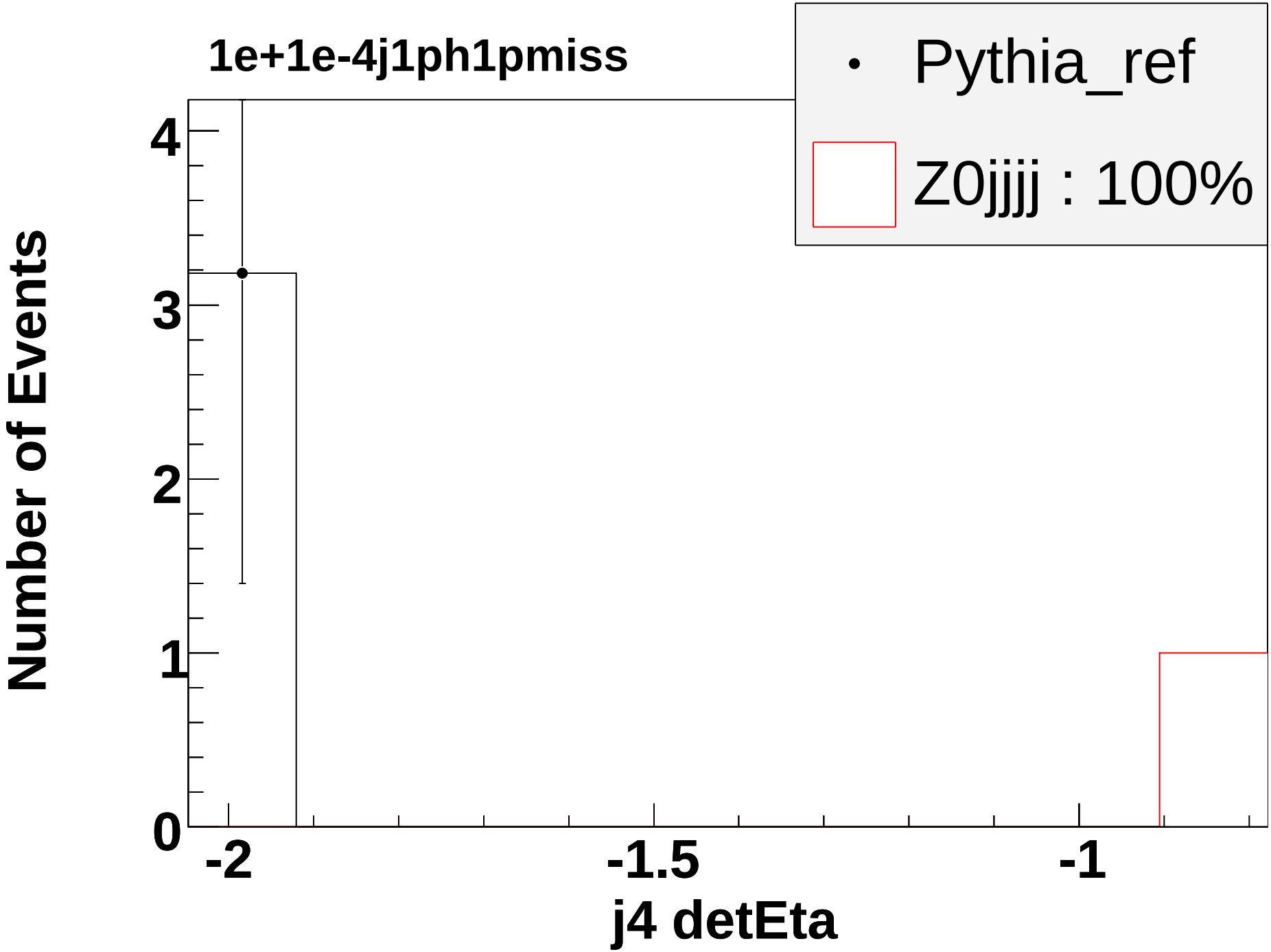

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
0
0.5
1
1.5
e- detEta

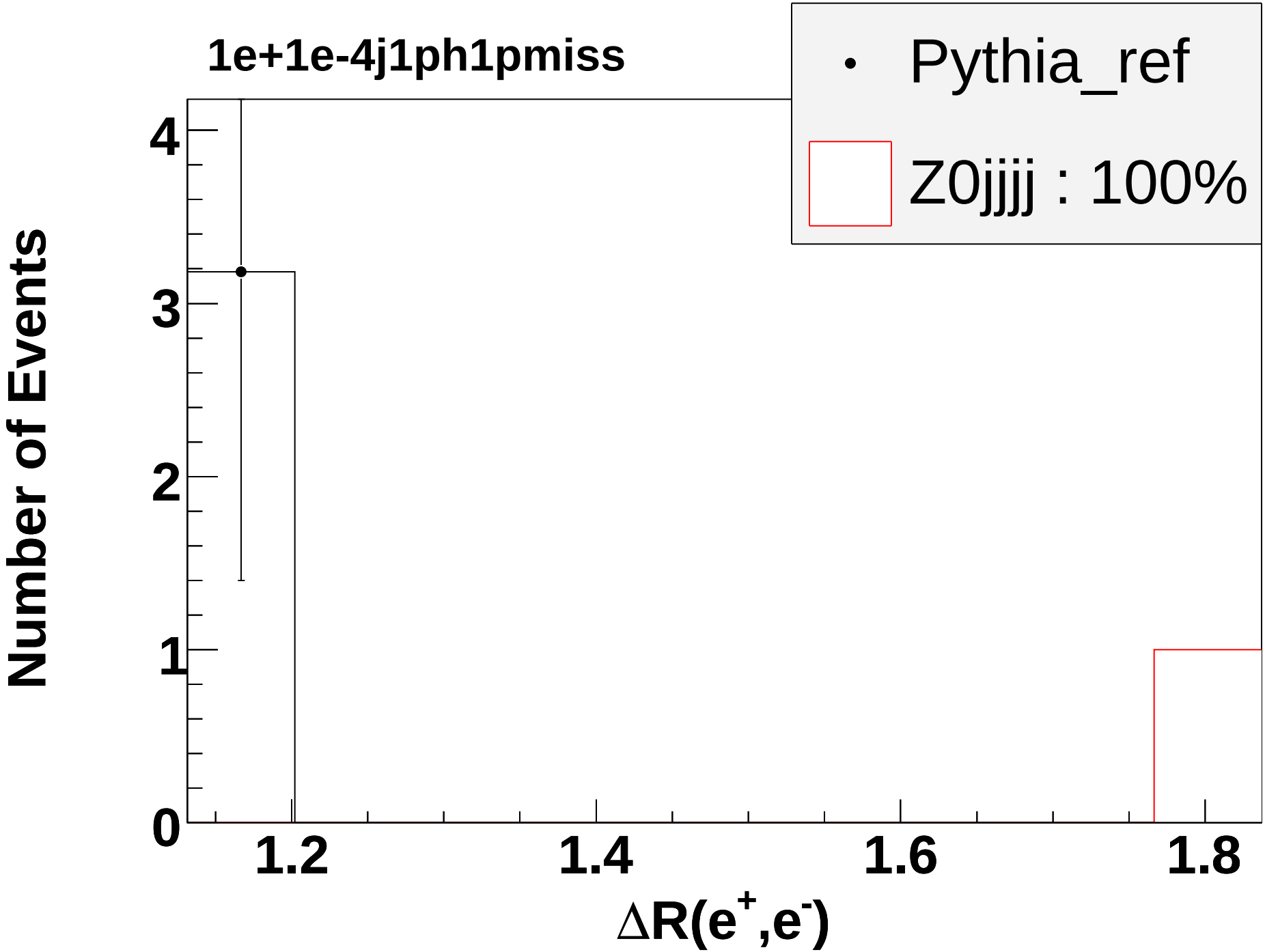

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
0
0.5
1
1.5
γ detEta

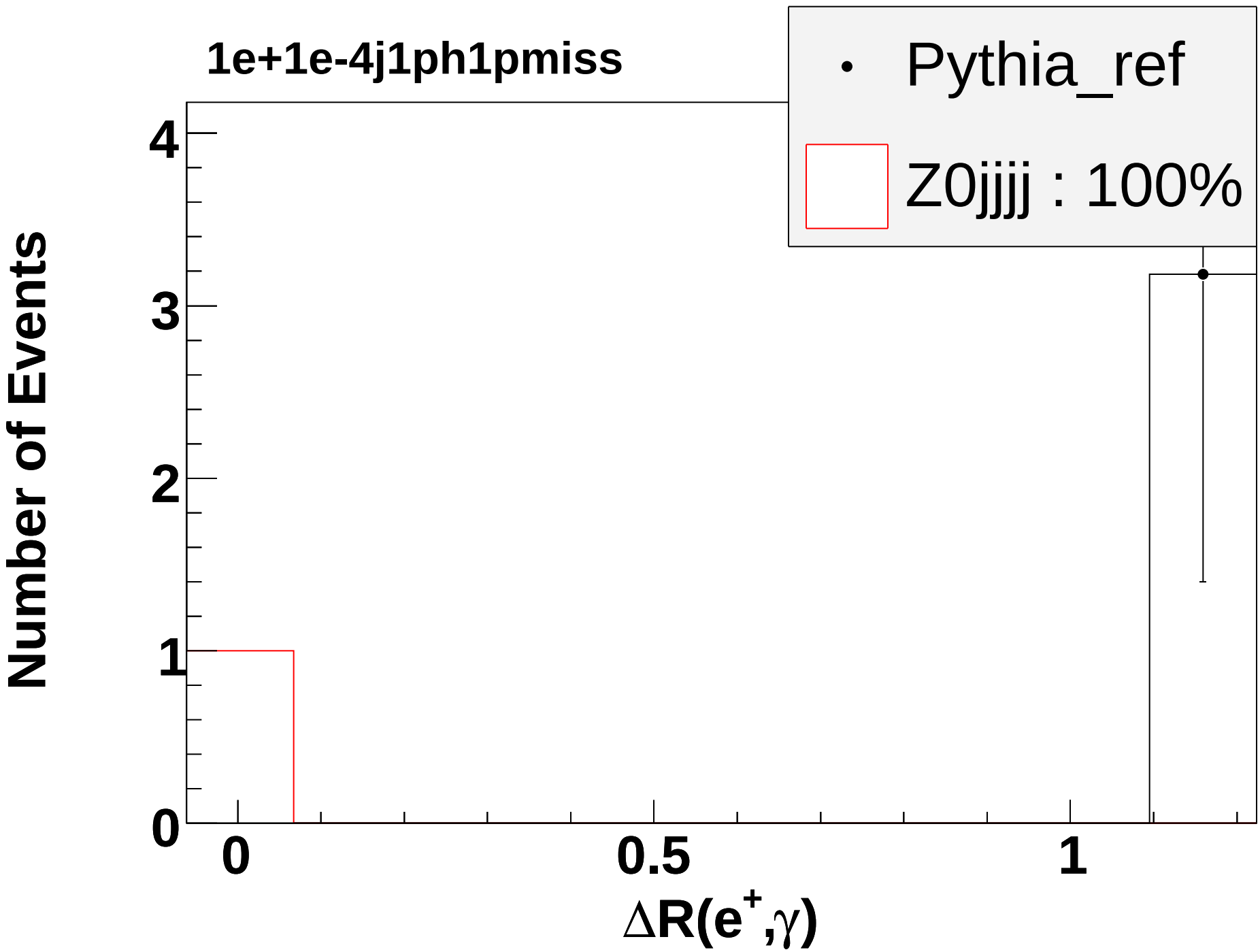

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
-0.2
0
0.2
0.4
j1 detEta

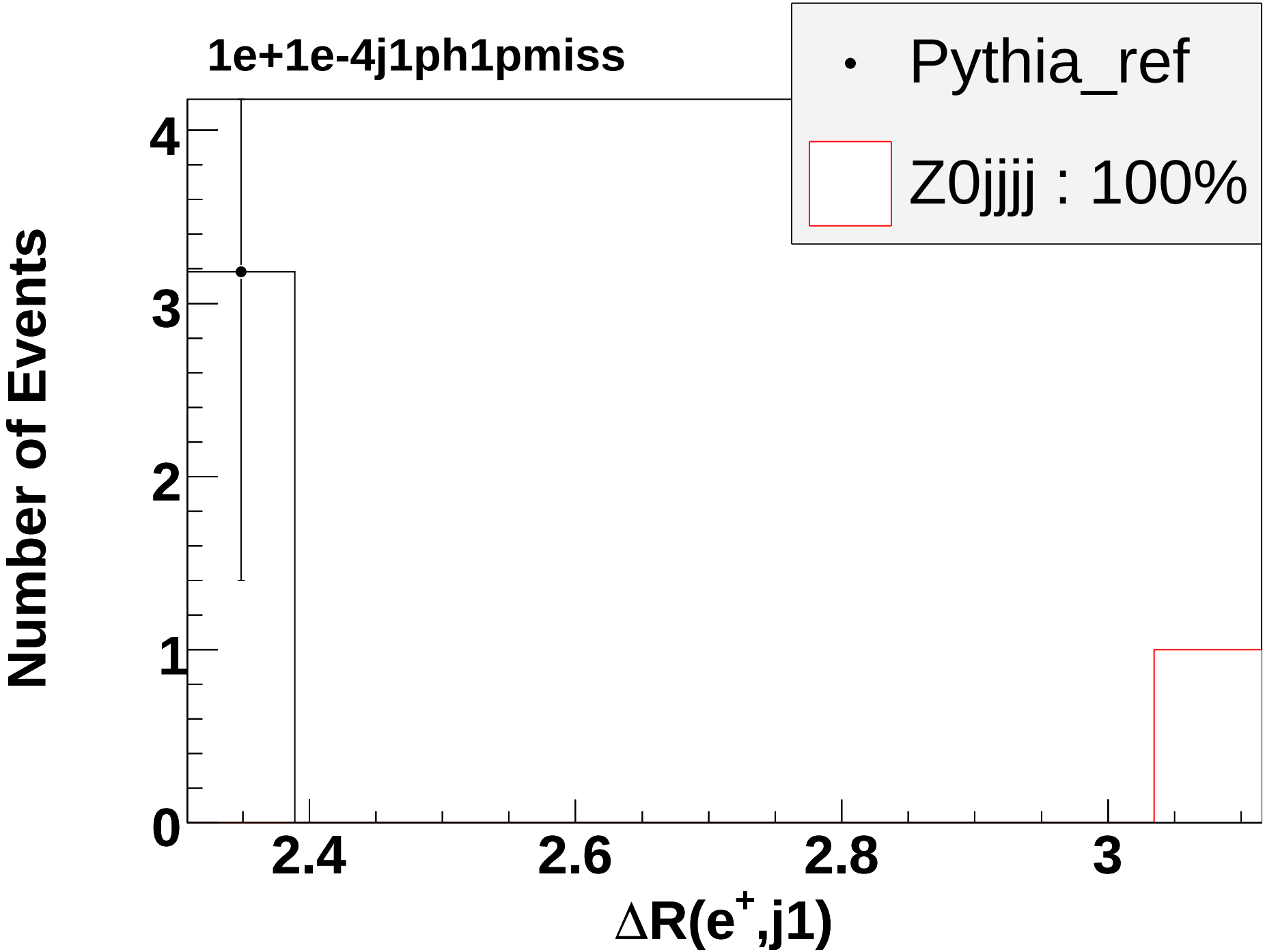

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
-2
0
j2 detEta

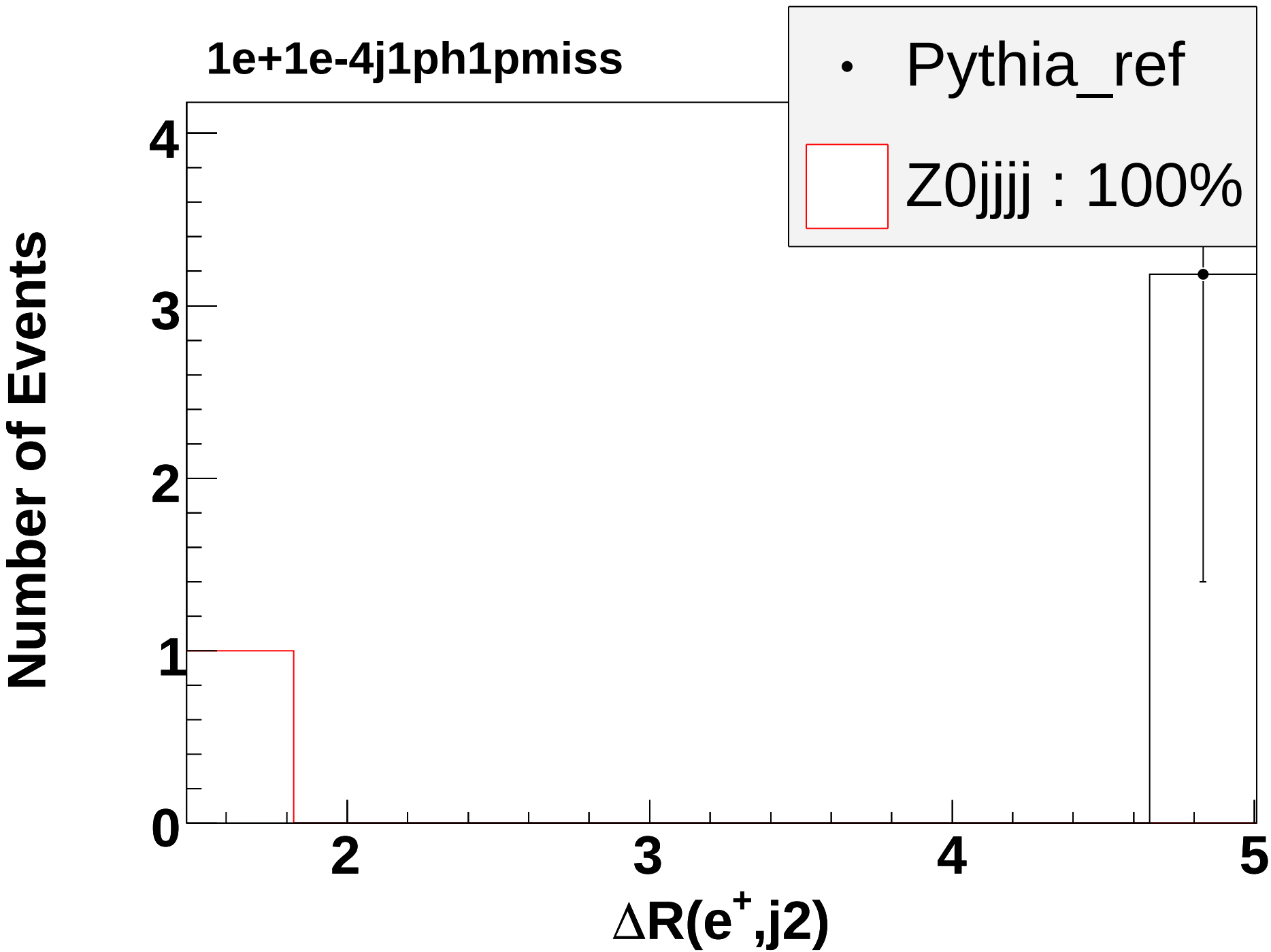

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
-1.5
-1
j3 detEta

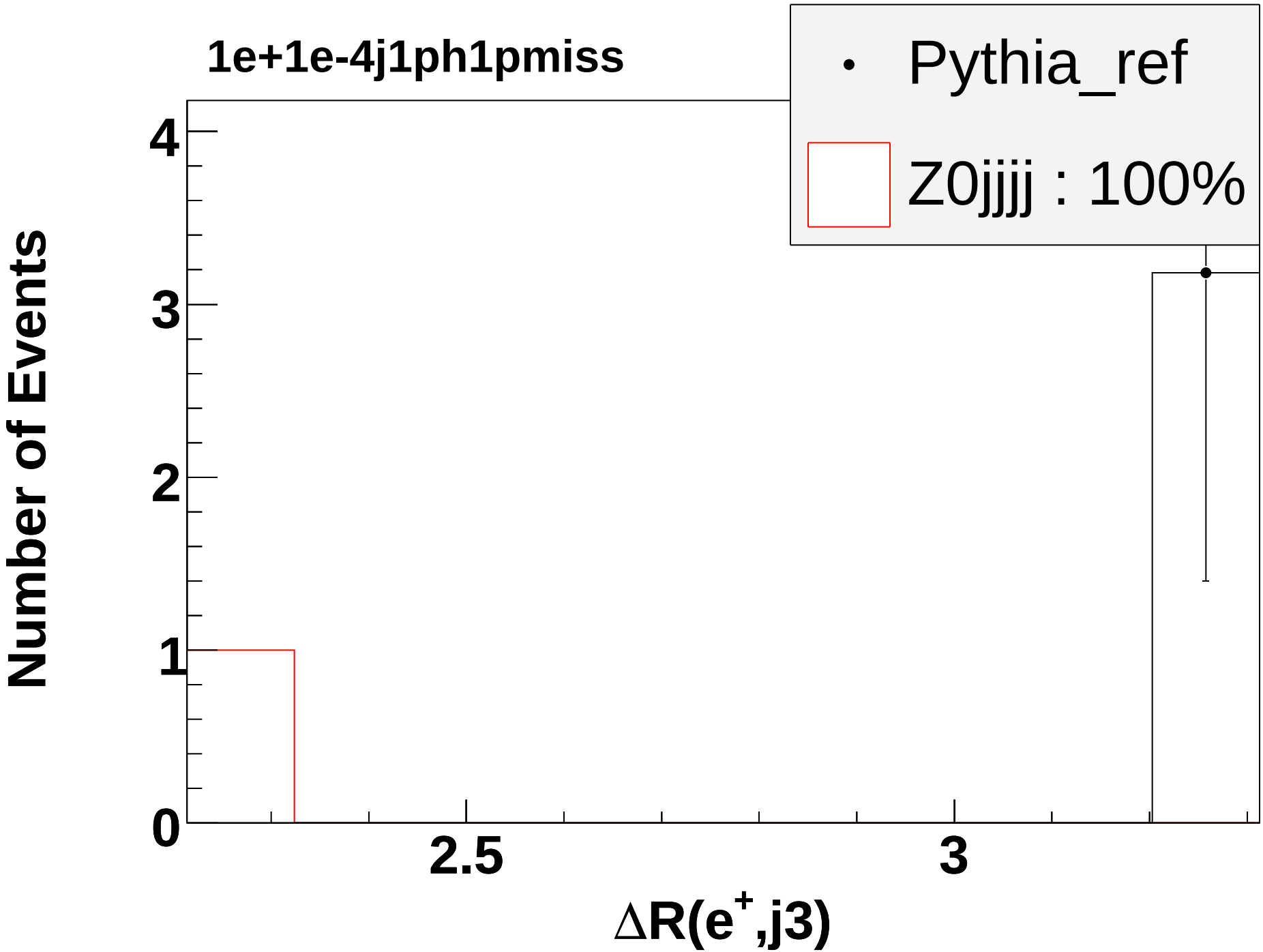

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
-2
-1.5
-1
j4 detEta

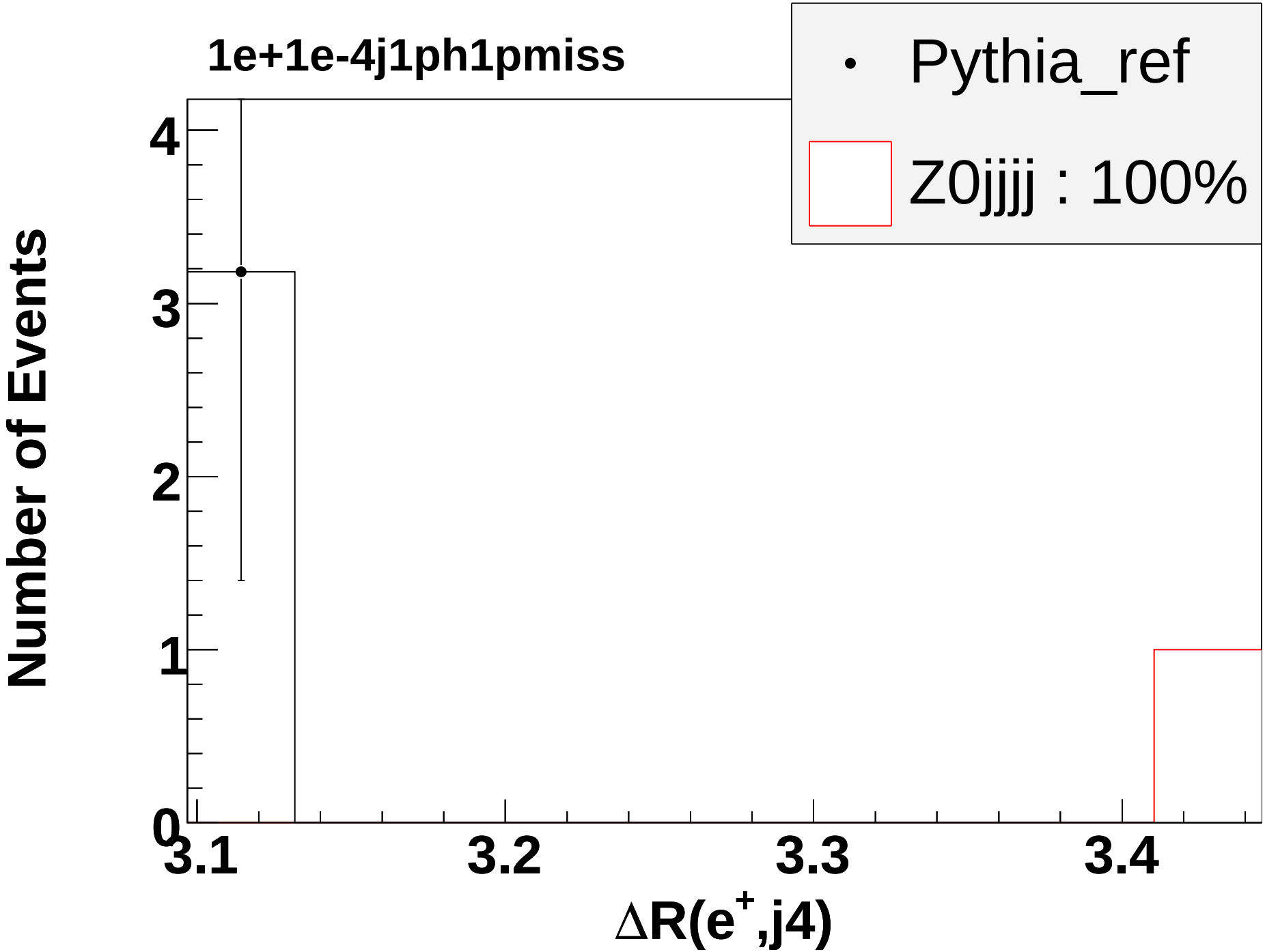

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
1.2
1.4
1.6
1.8
ΔR(e+,e-)

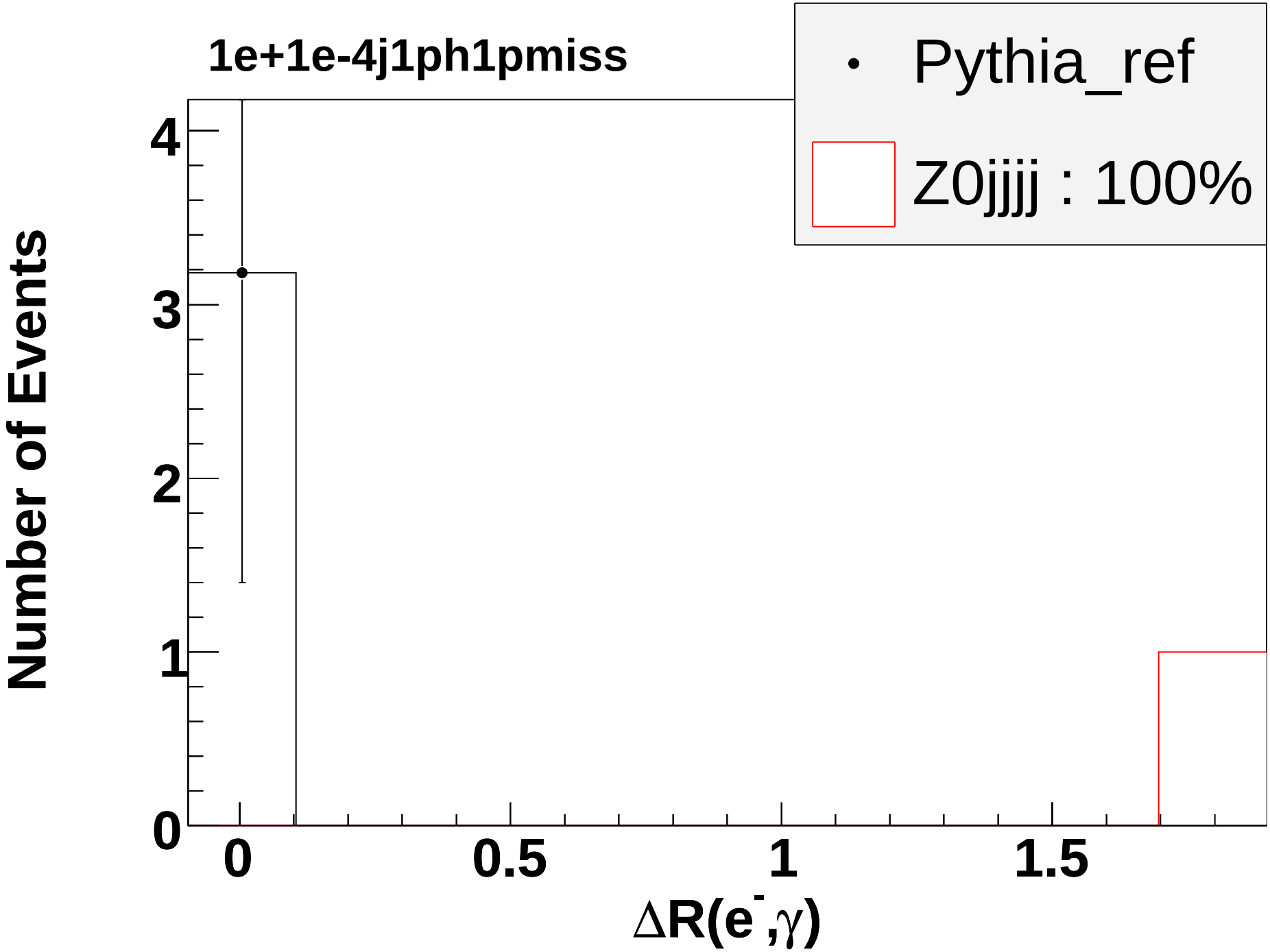

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
0
0.5
1
ΔR(e+,γ)

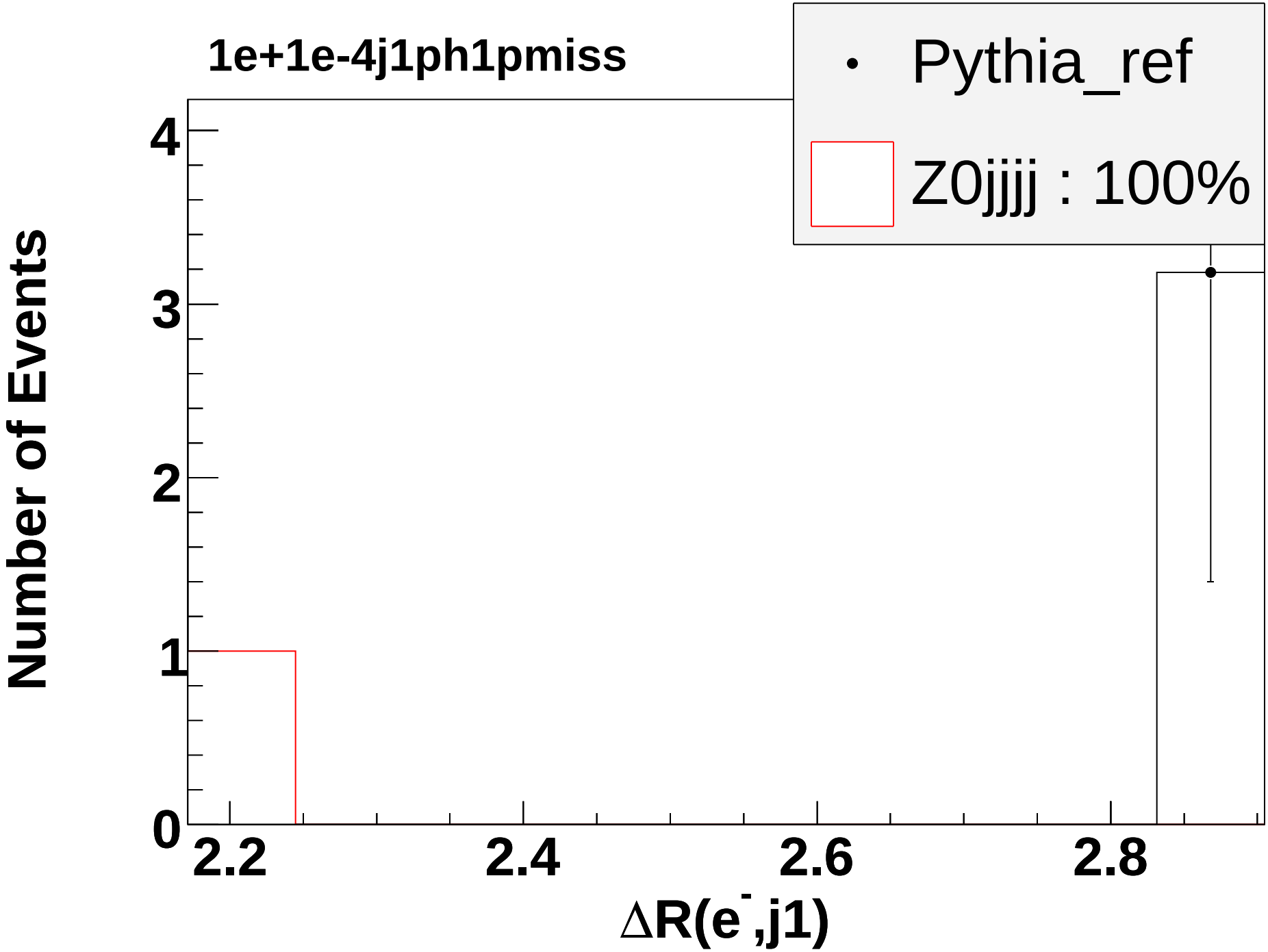

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
2.4
2.6
2.8
3
ΔR(e+,j1)

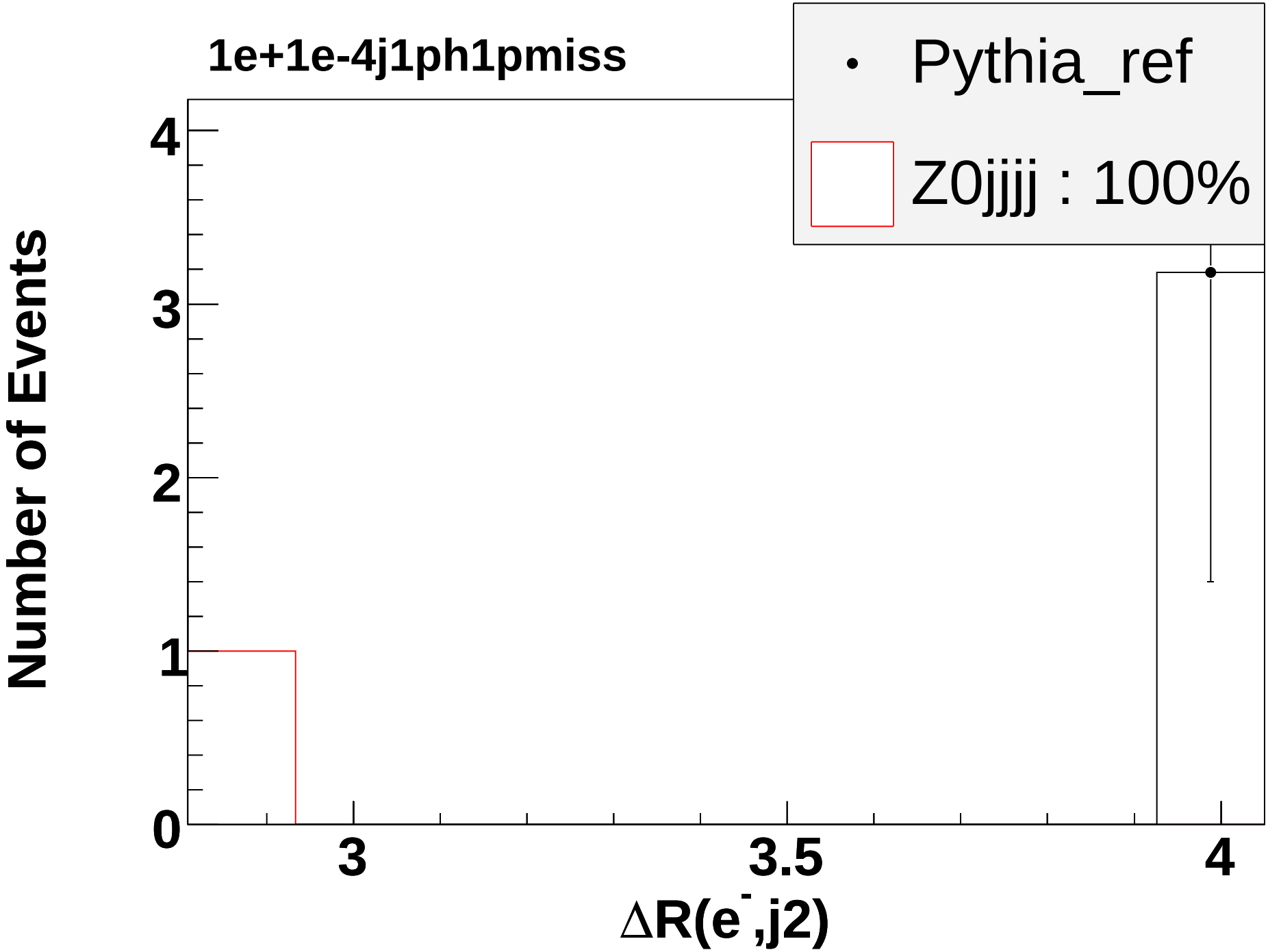

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
2
3
4
5
ΔR(e+,j2)

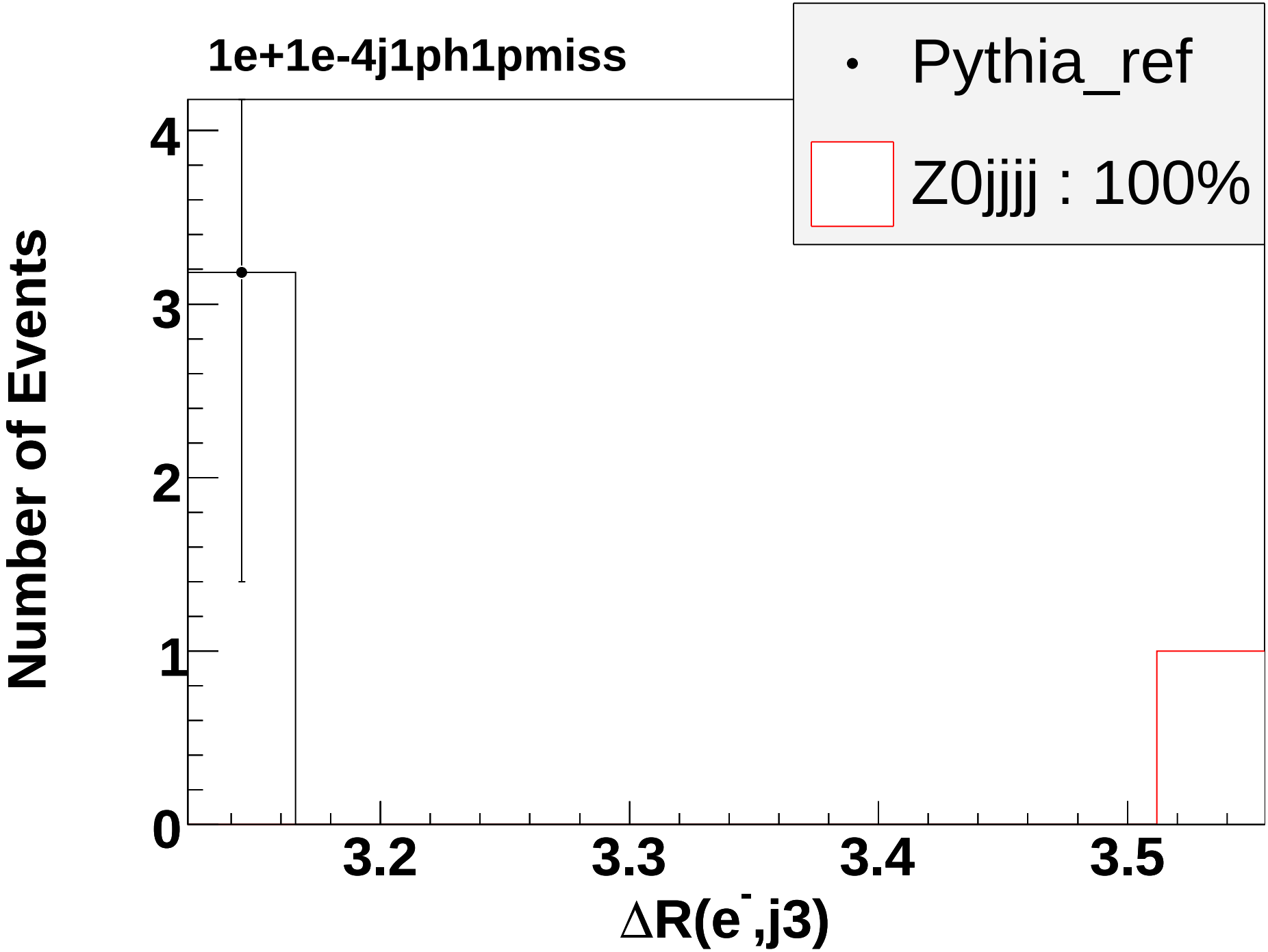

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
2.5
3
ΔR(e+,j3)

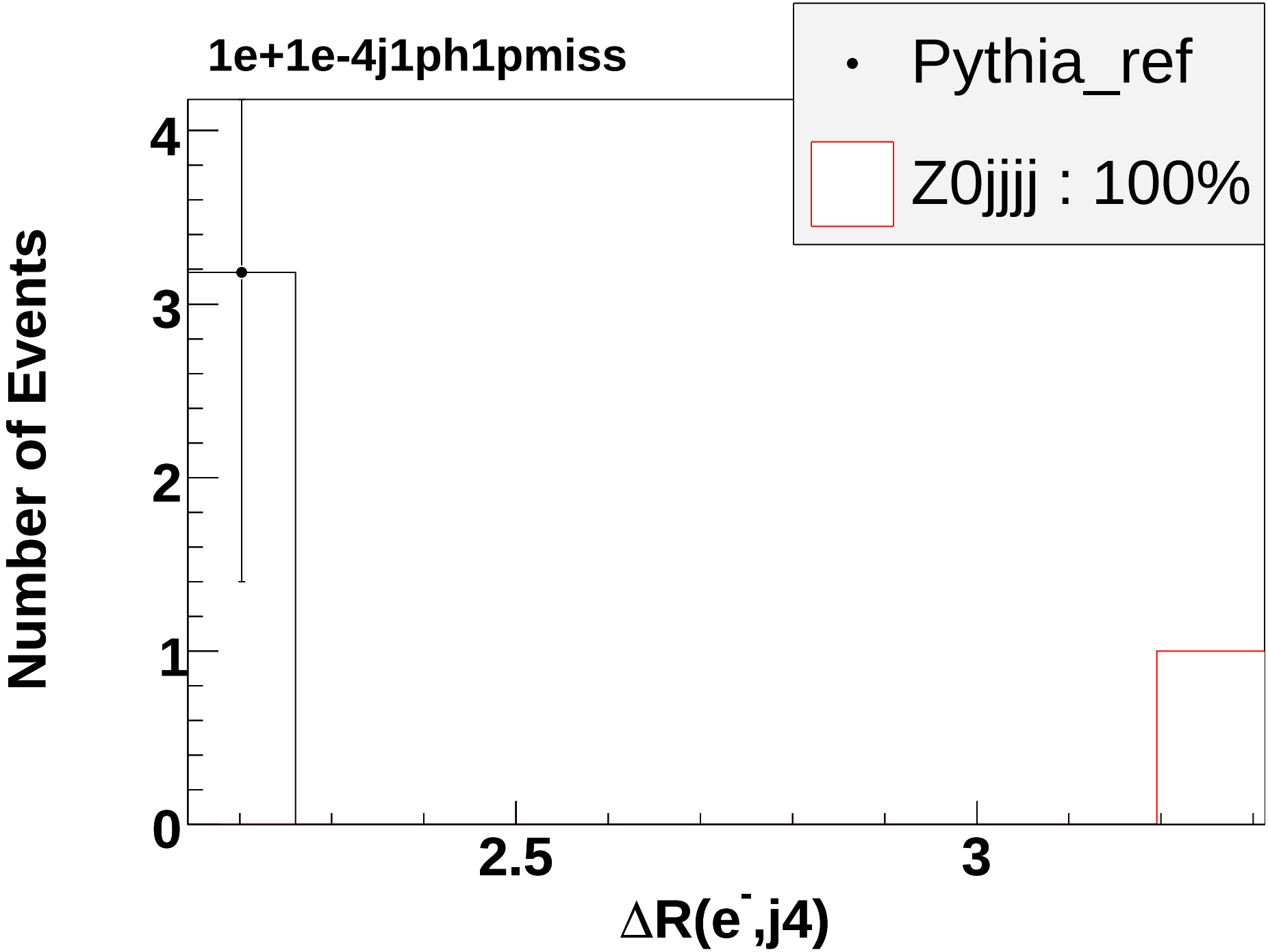

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
3.1
3.2
3.3
3.4
ΔR(e+,j4)

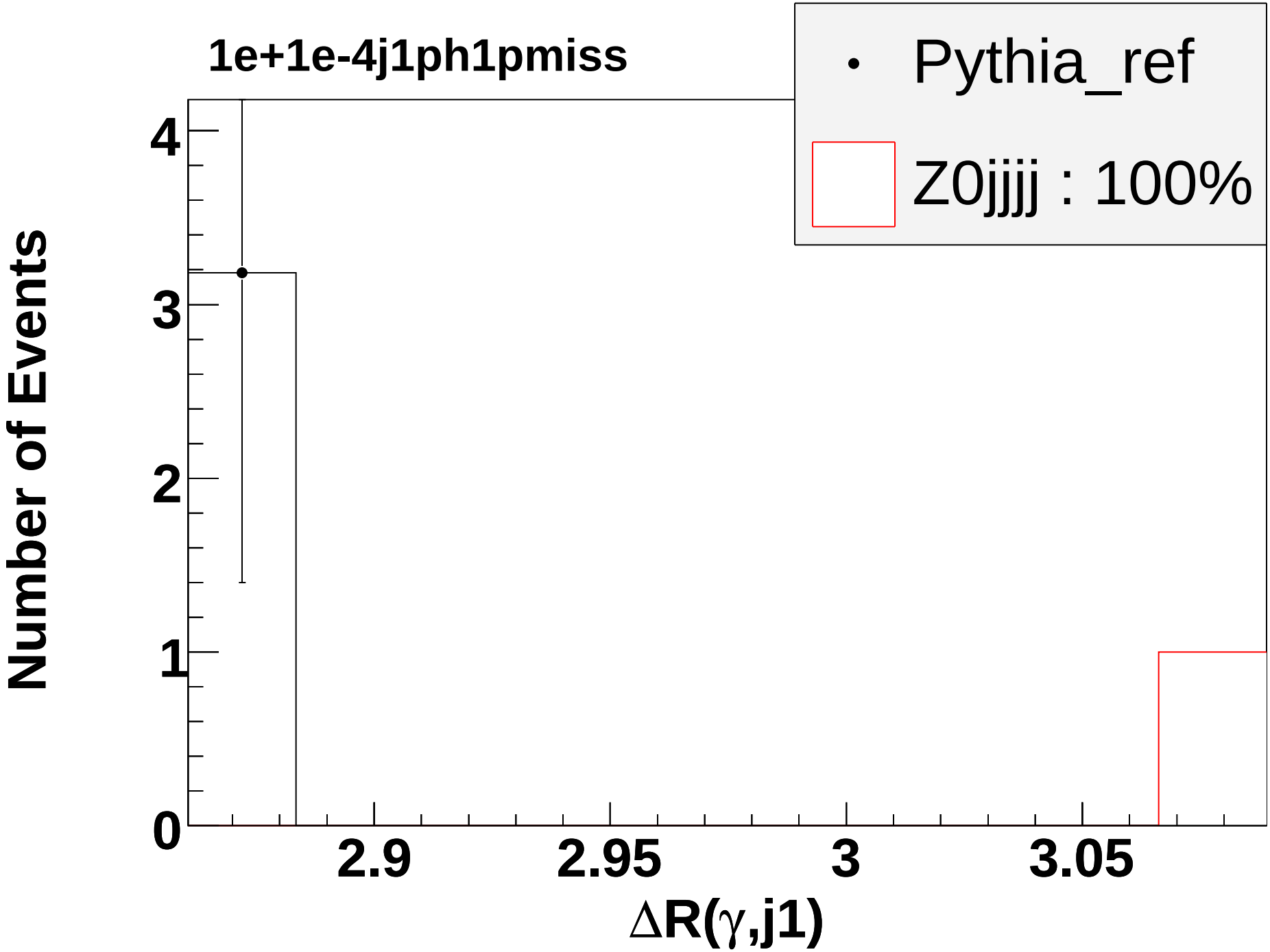

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
0
0.5
1
1.5
ΔR(e⁻,γ)

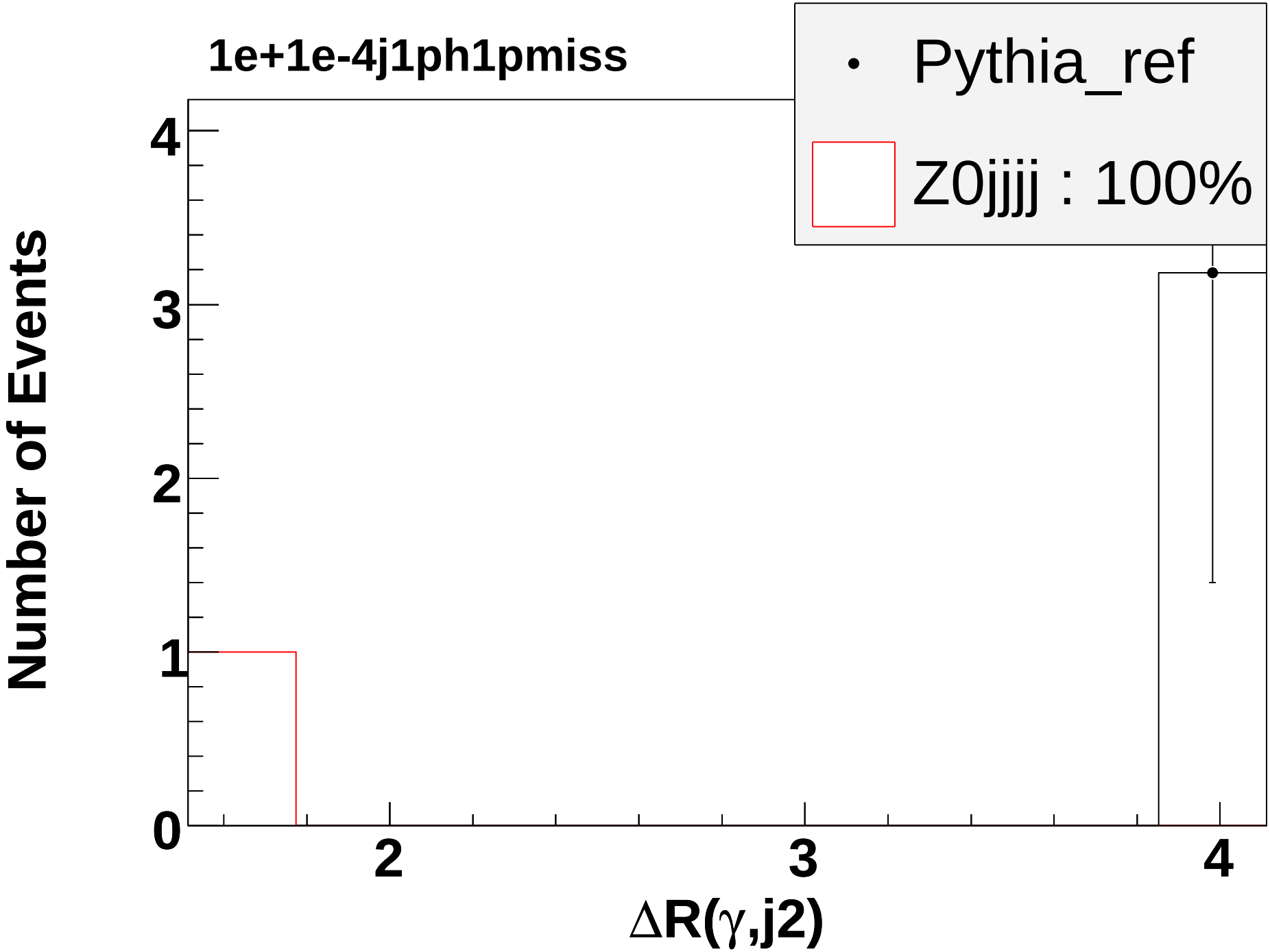

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
2.2
2.4
2.6
2.8
ΔR(e⁻,j1)

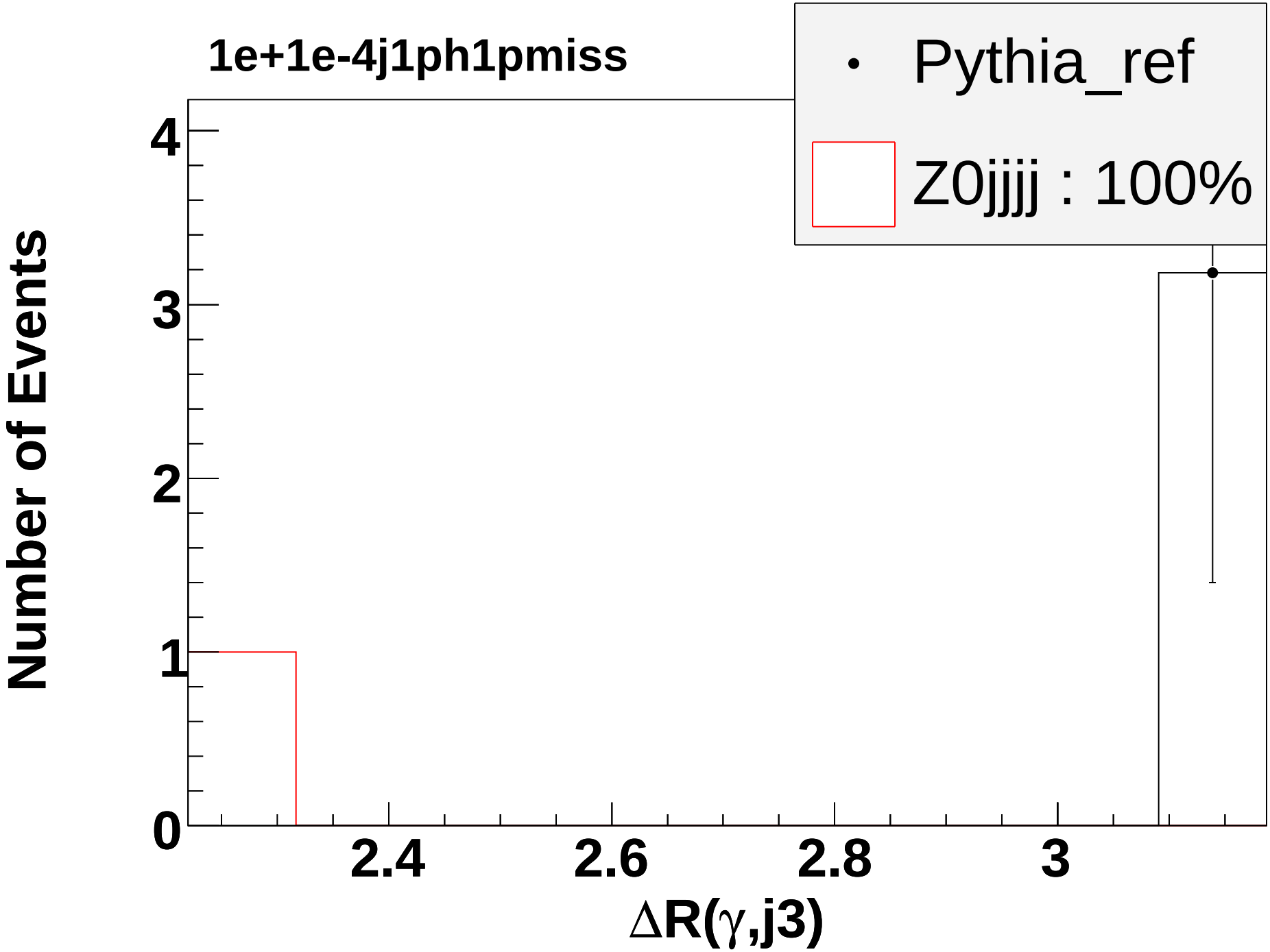

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
3
3.5
4
ΔR(e⁻,j2)

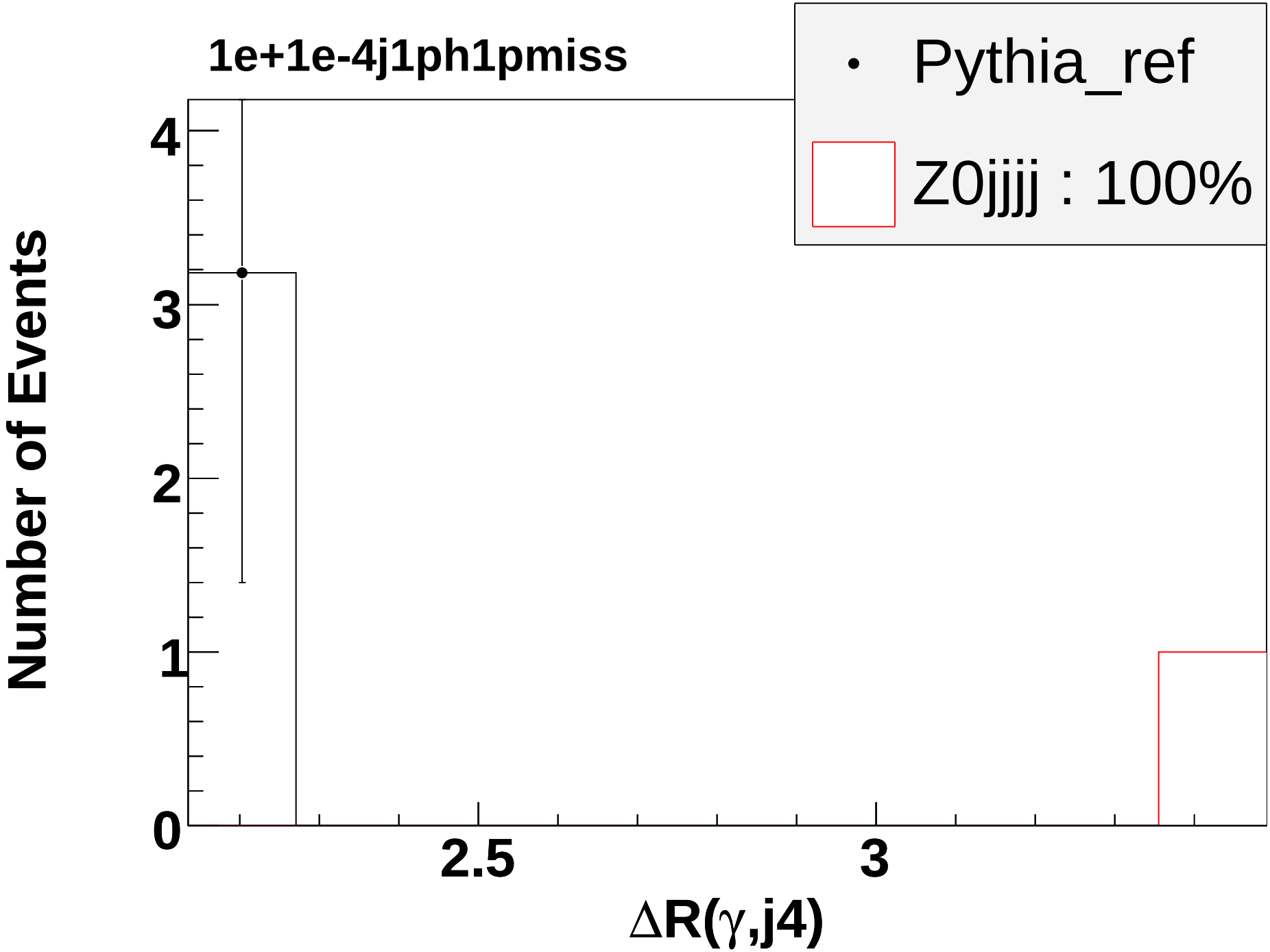

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
3.2
3.3
3.4
3.5
ΔR(e⁻,j3)

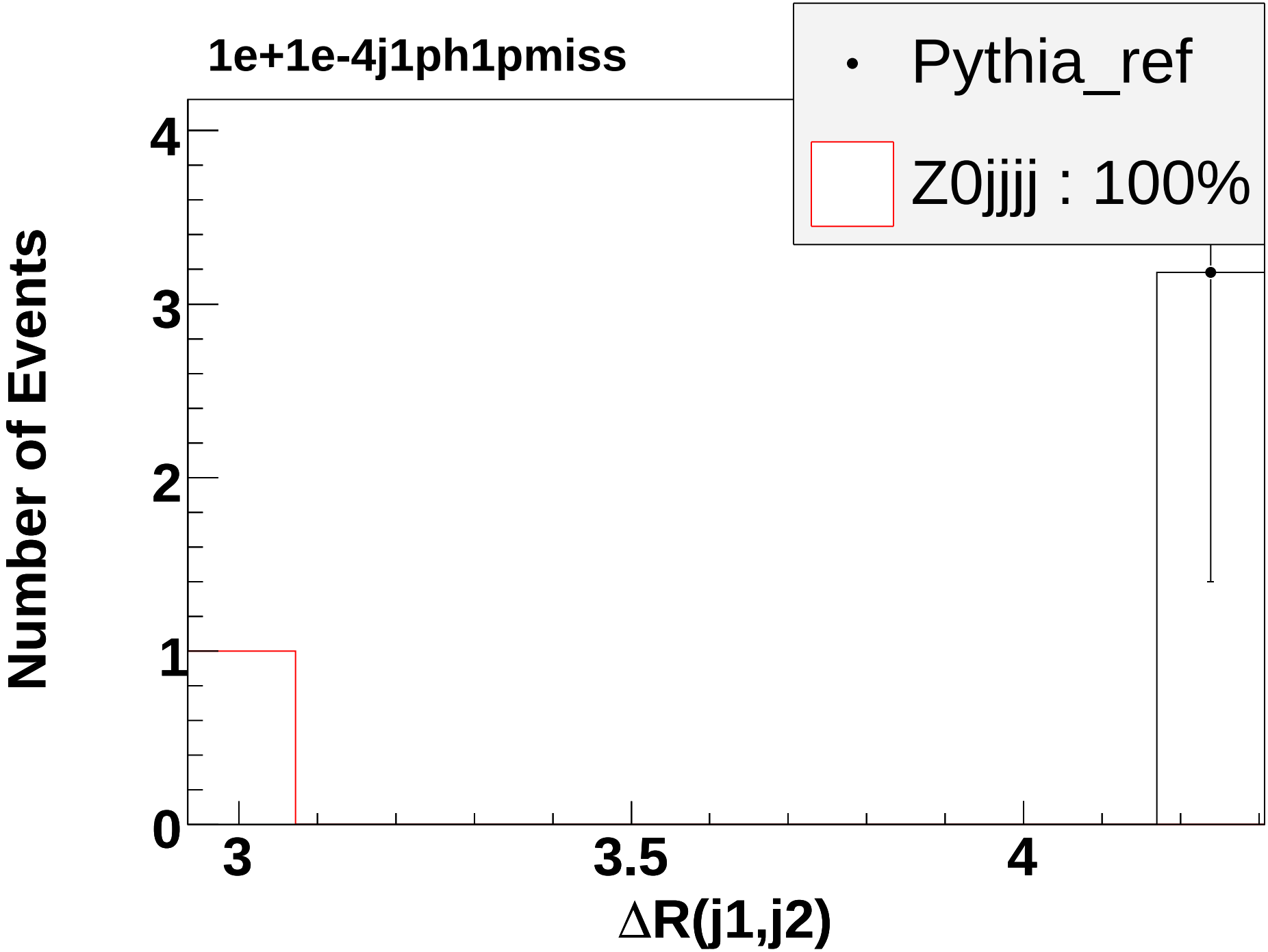

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
2.5
3
ΔR(e⁻,j4)

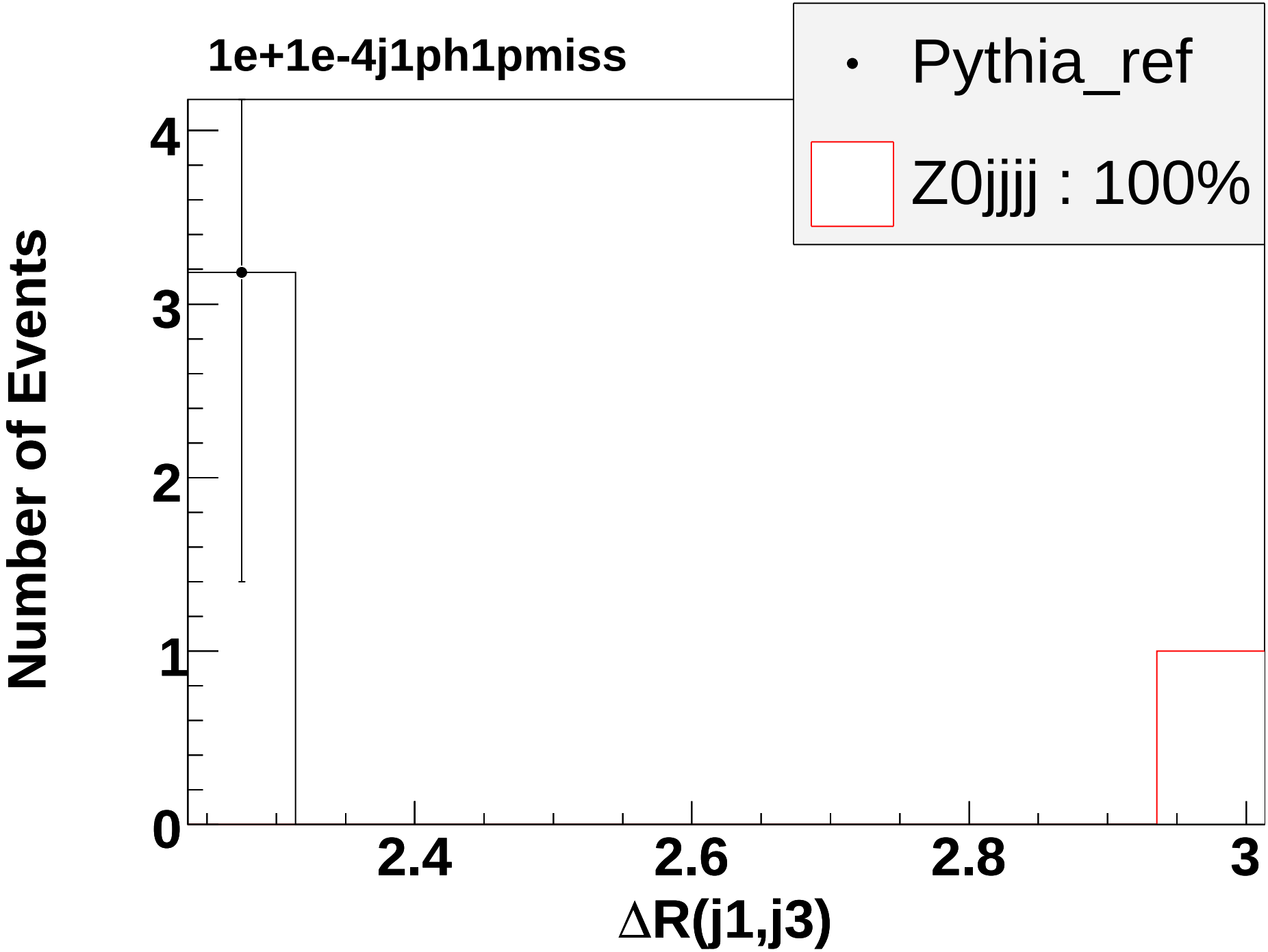

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
2.9
2.95
3
3.05
ΔR(γ,j1)

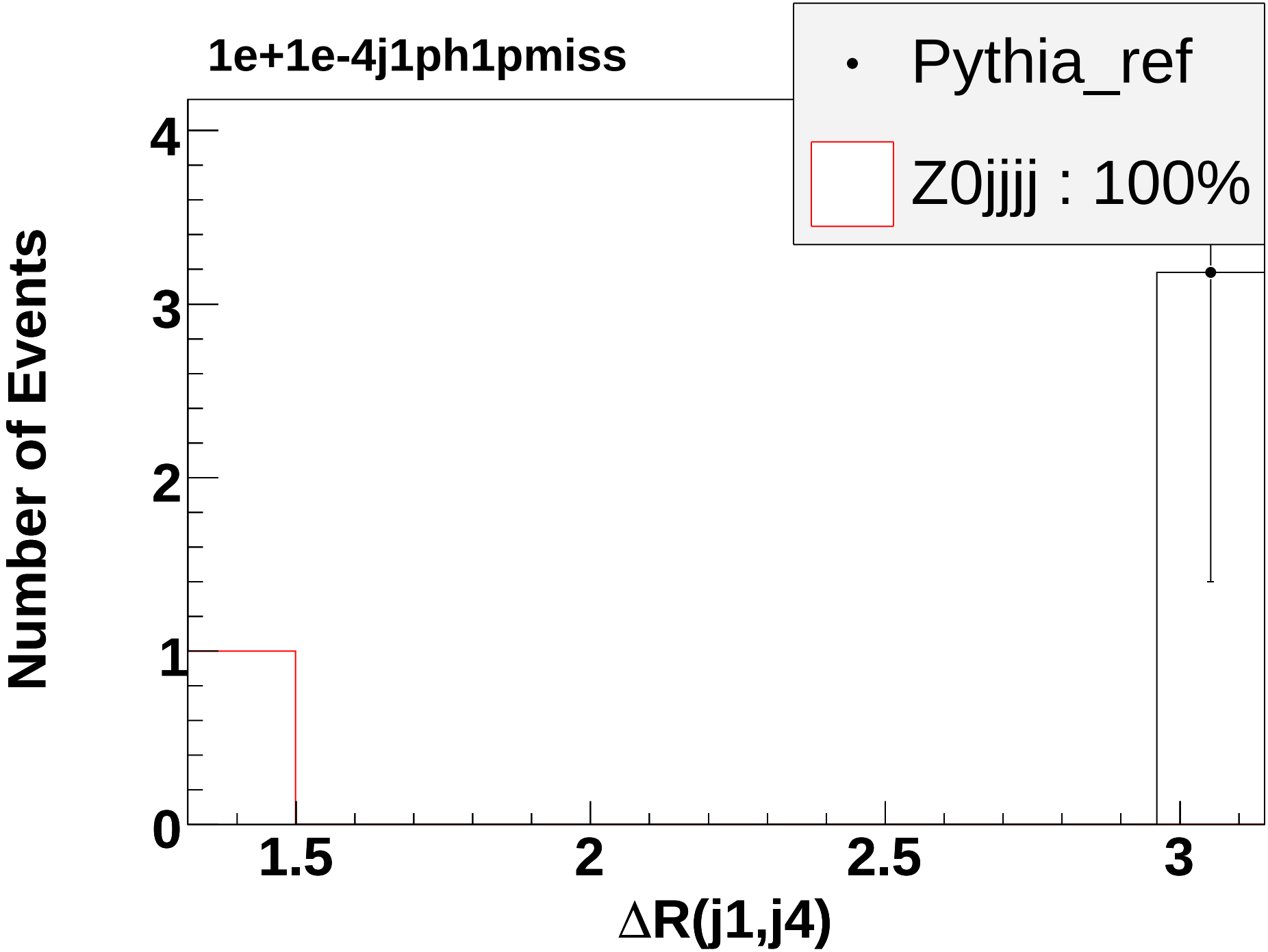

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
2
3
4
ΔR(γ,j2)

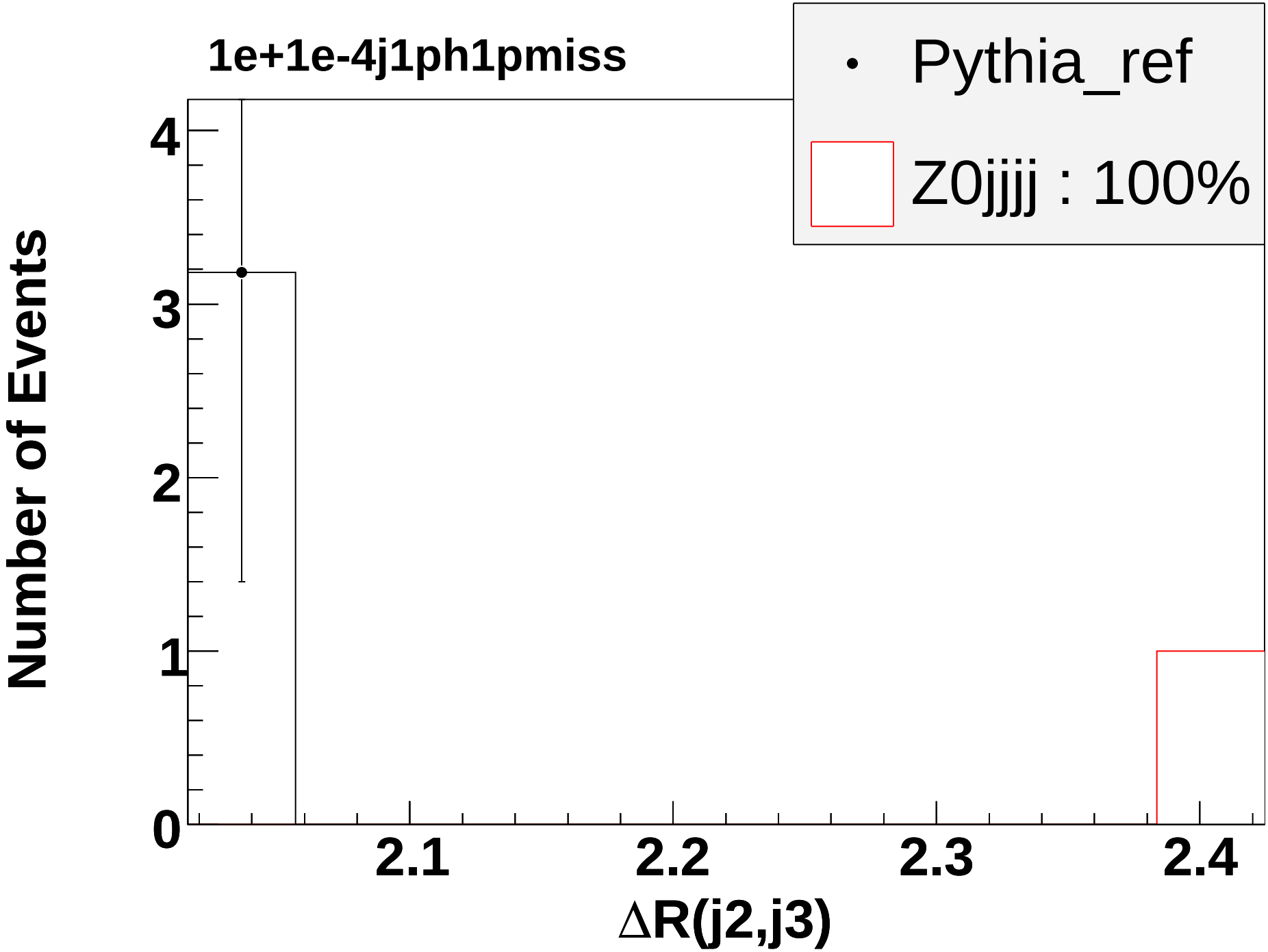

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
2.4
2.6
2.8
3
ΔR(γ,j3)

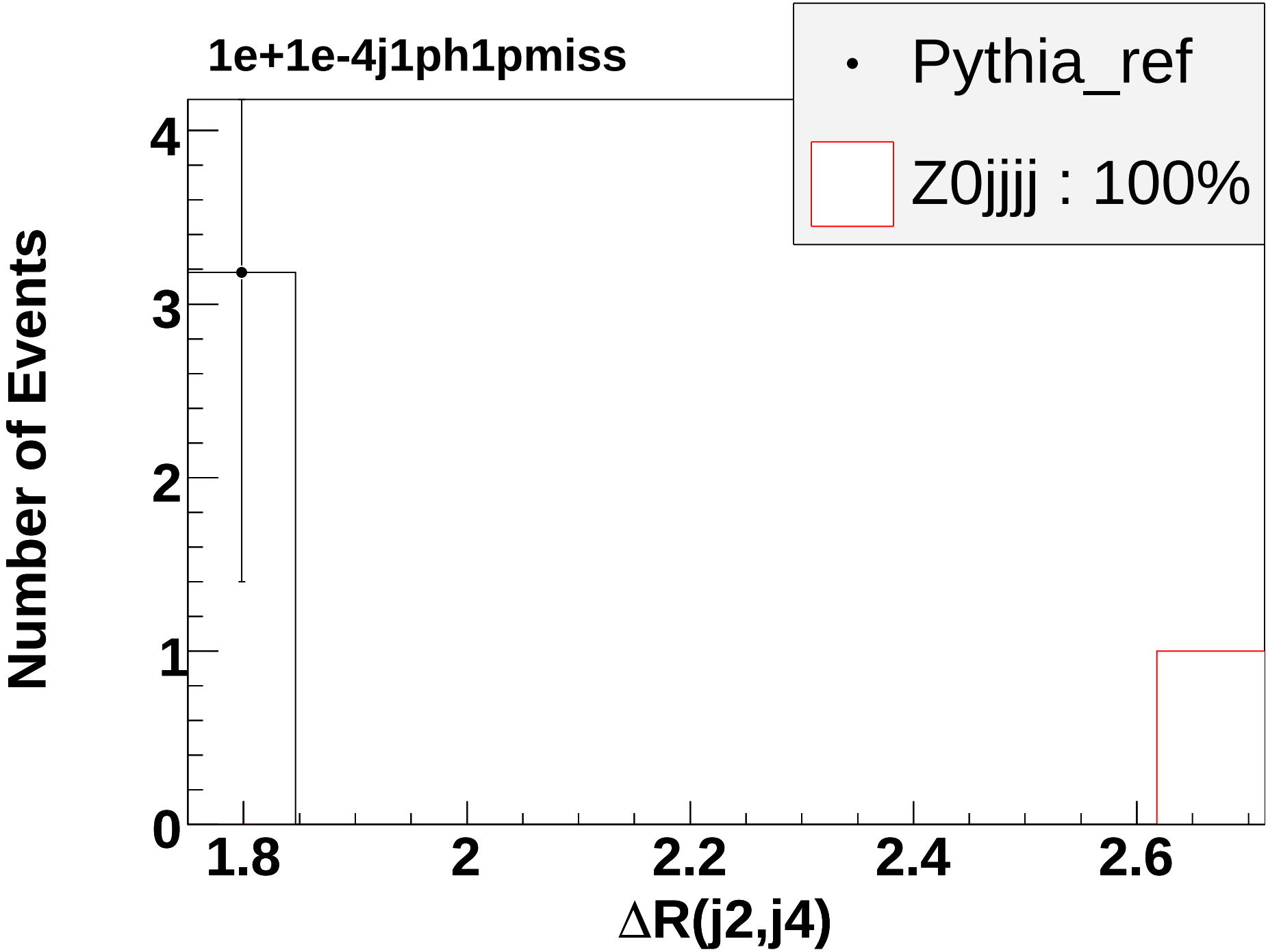

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
2.5
3
ΔR(γ,j4)

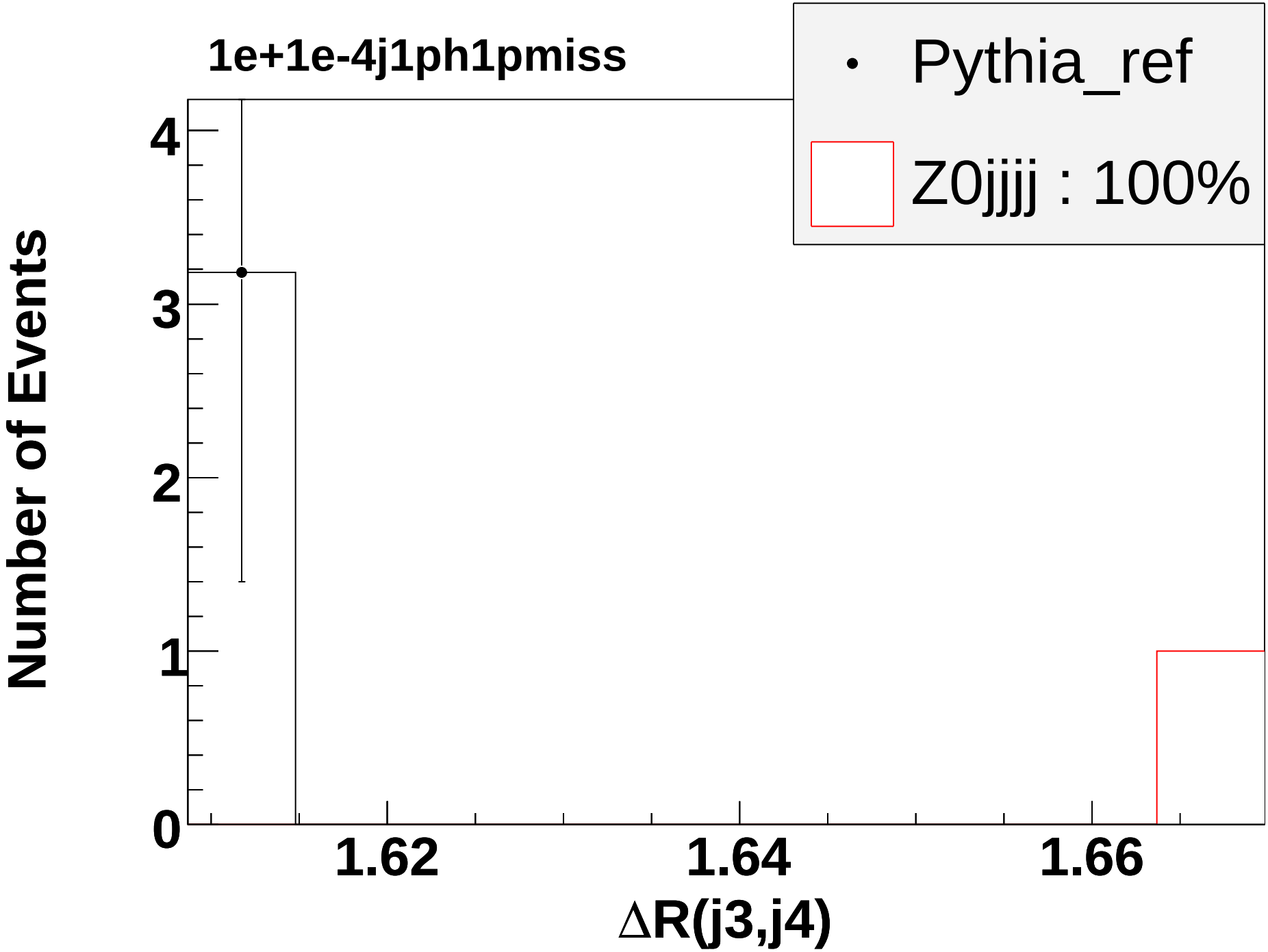

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
3
3.5
4
ΔR(j1,j2)

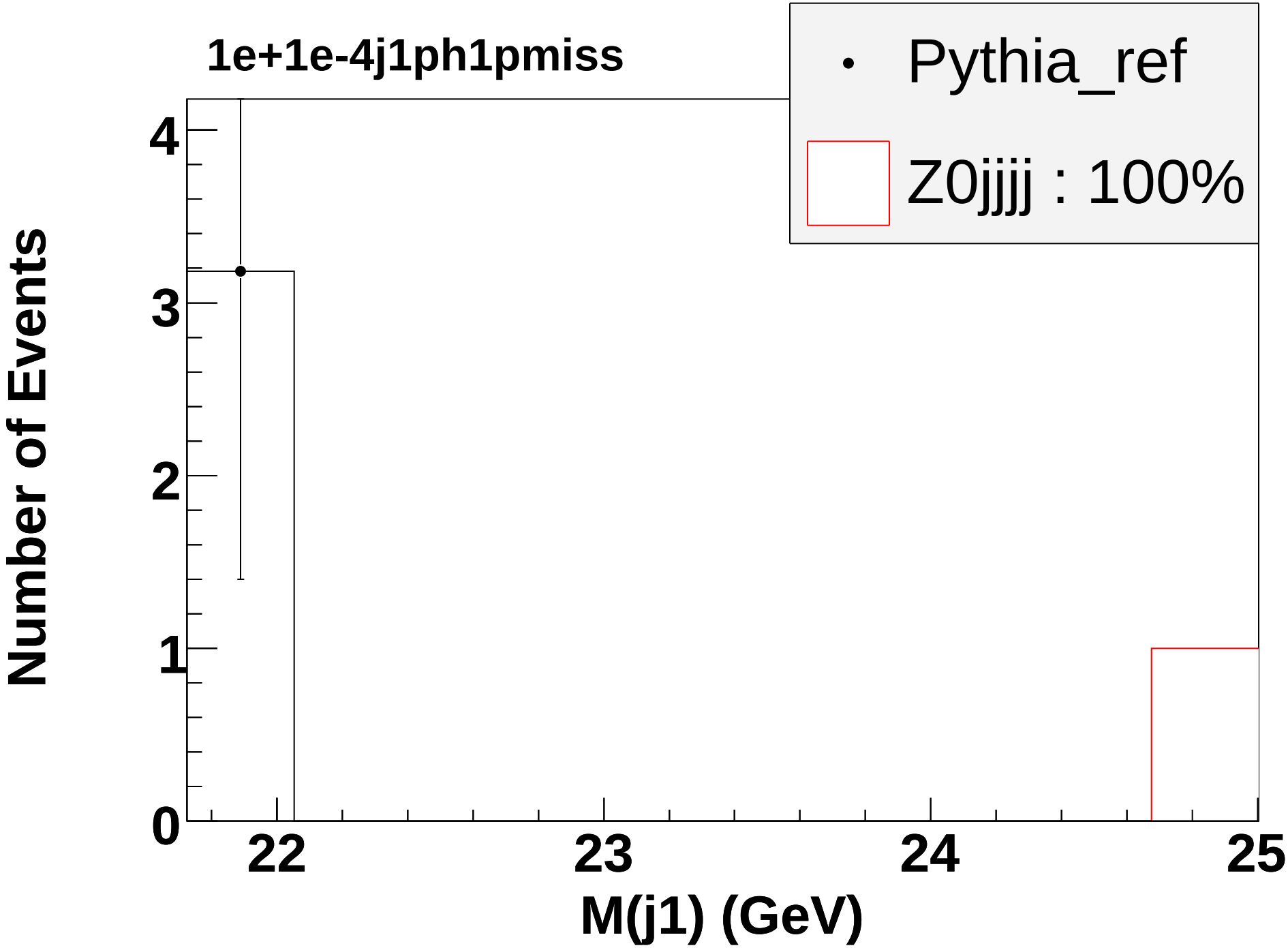

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
2.4
2.6
2.8
3
ΔR(j1,j3)

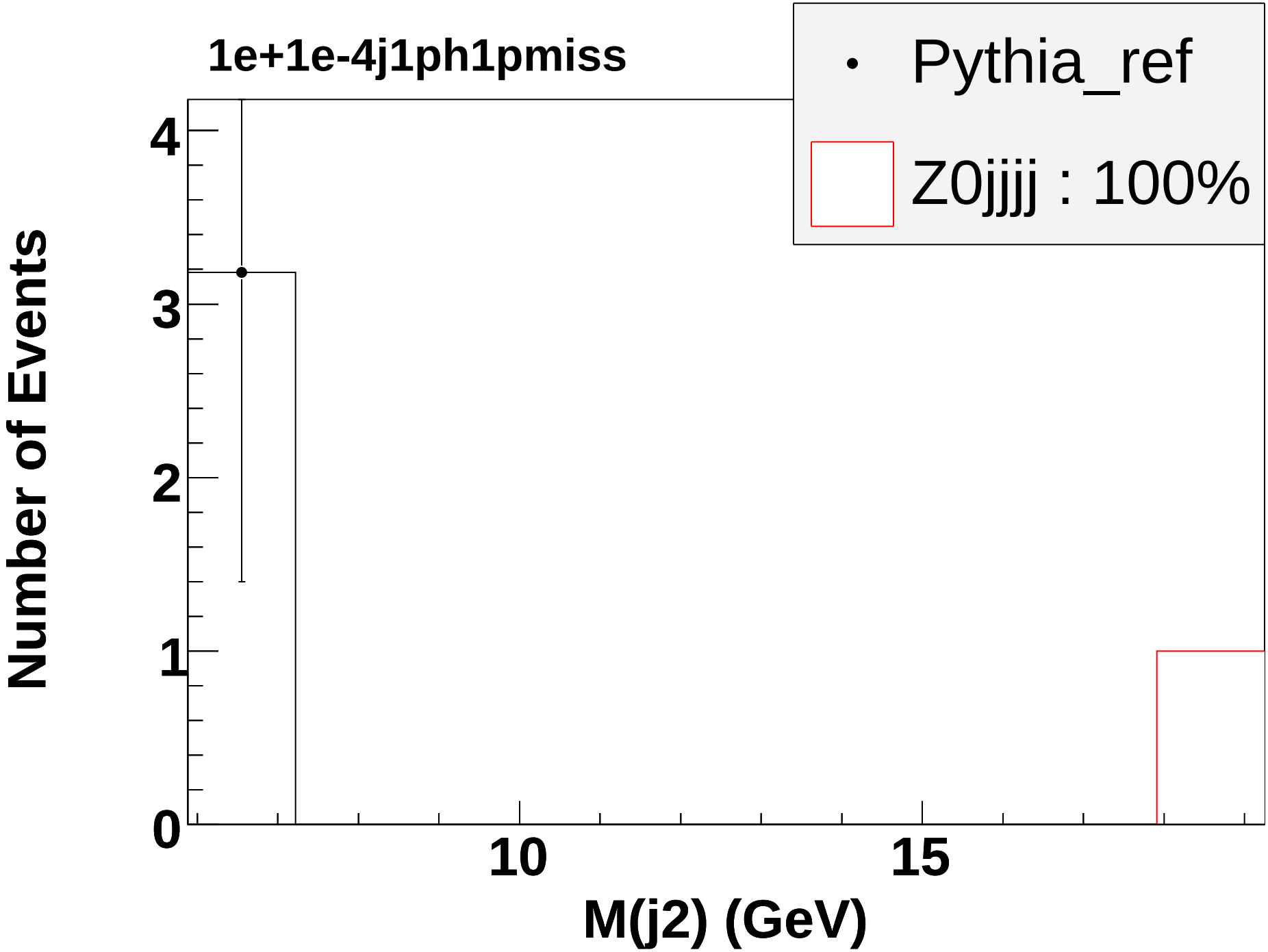

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
1.5
2
2.5
3
ΔR(j1,j4)

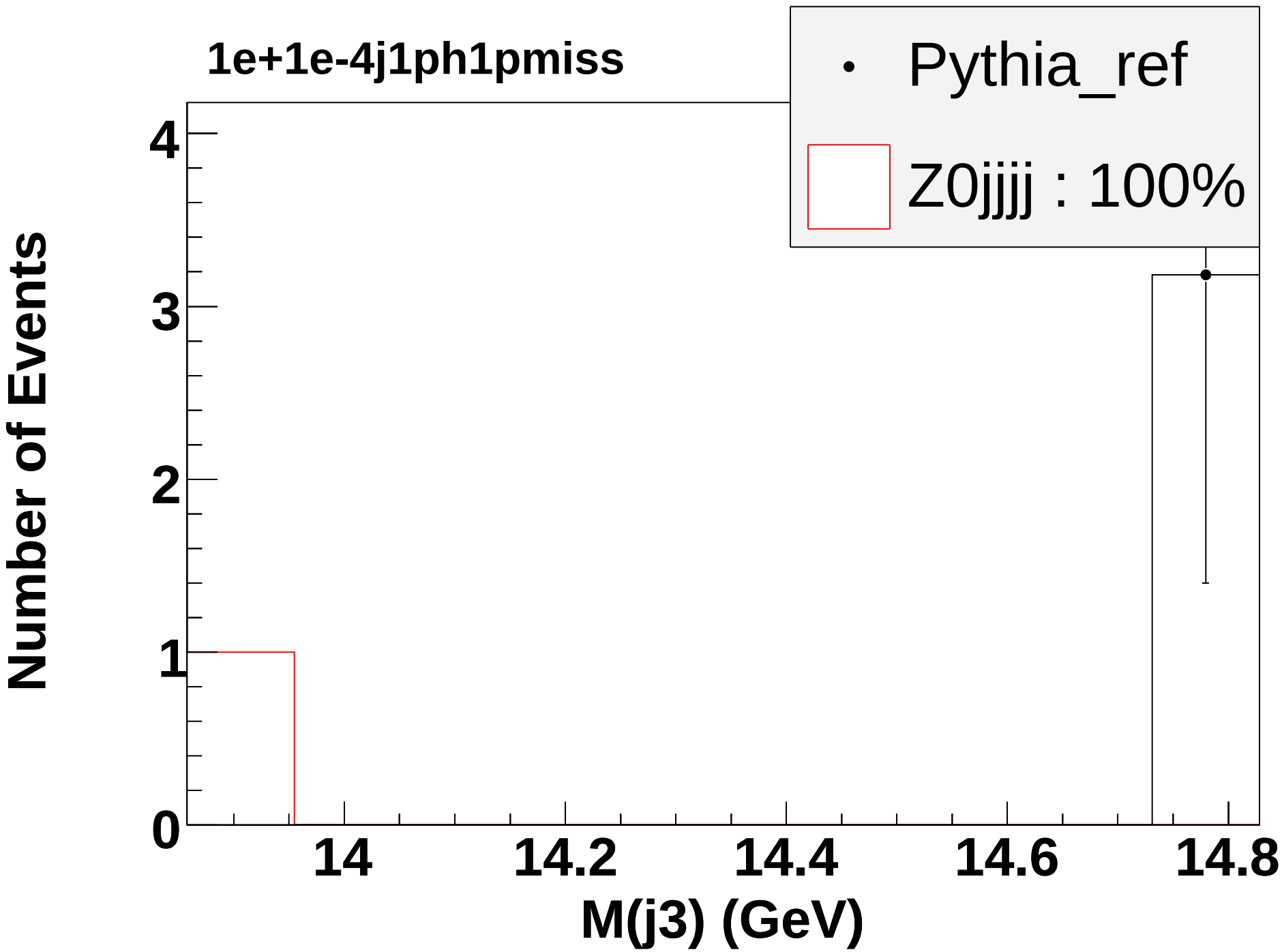

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
2.1
2.2
2.3
2.4
ΔR(j2,j3)

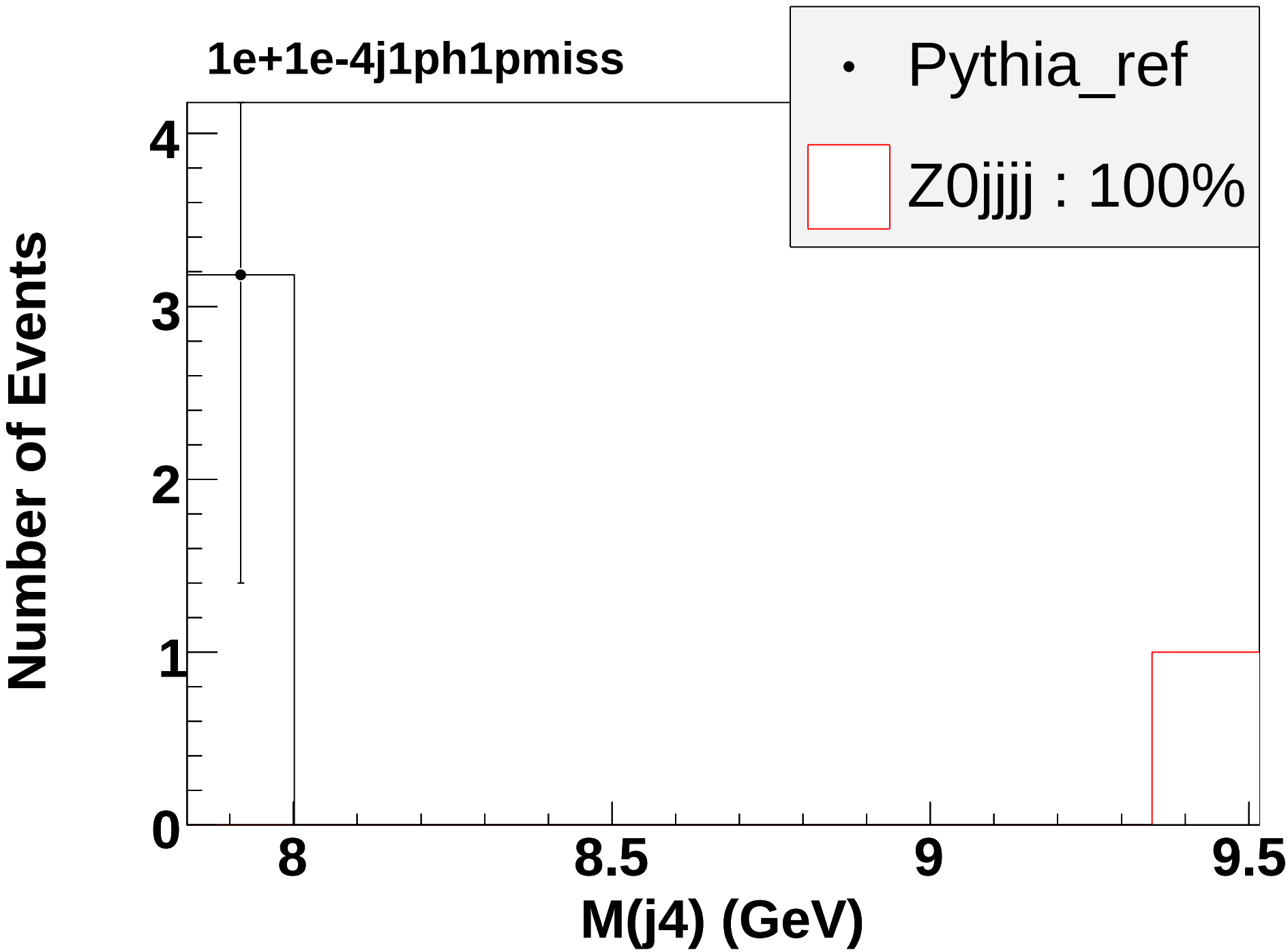

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
1.8
2
2.2
2.4
2.6
ΔR(j2,j4)

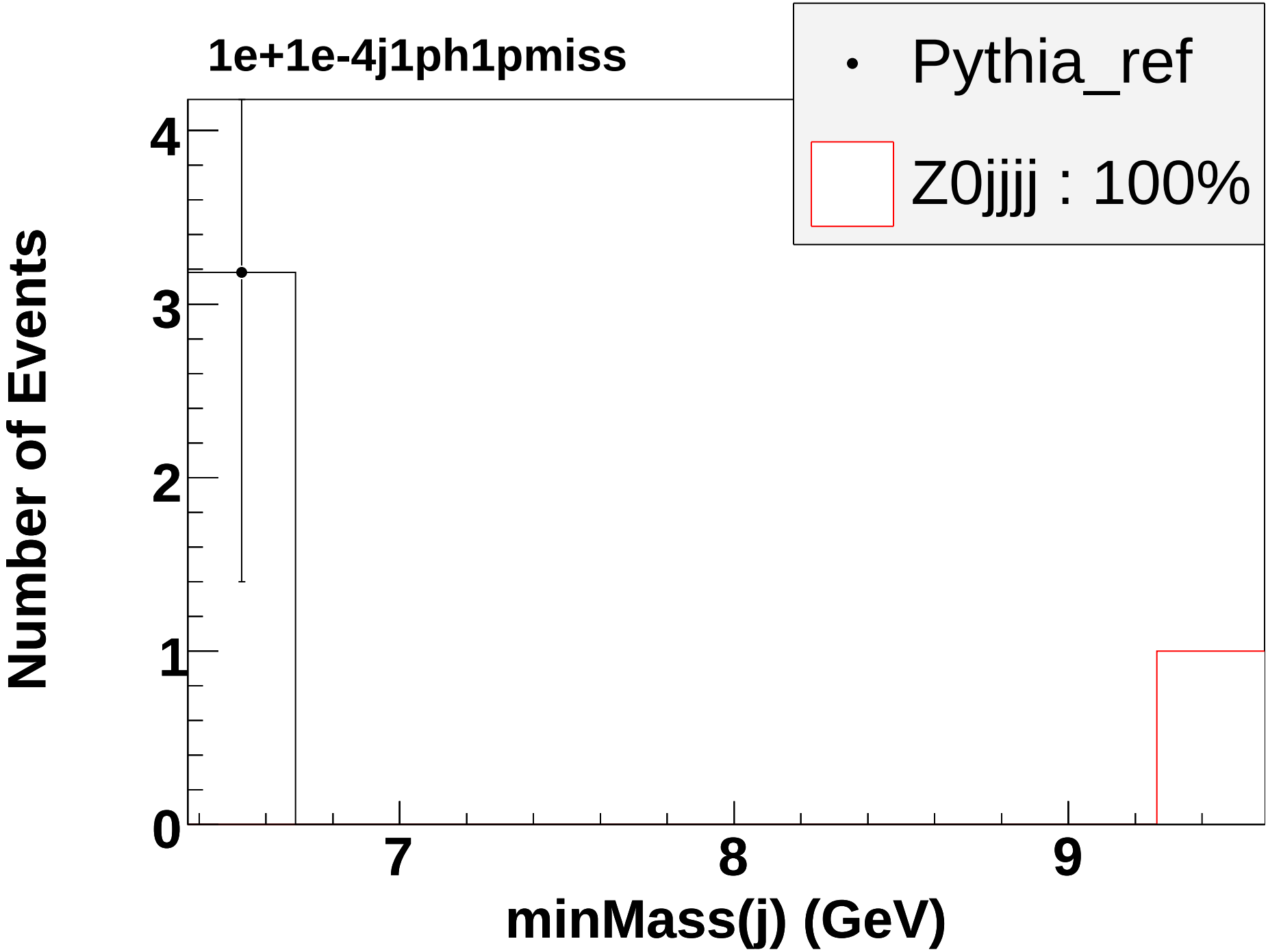

1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
1.62
1.64
1.66
ΔR(j3,j4)


1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
22
23
24
25
M(j1) (GeV)


1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
10
15
M(j2) (GeV)


1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
14
14.2
14.4
14.6
14.8
M(j3) (GeV)


1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
8
8.5
9
9.5
M(j4) (GeV)


1e+1e-4j1ph1pmiss
Pythia_ref
Z0jjjj : 100%
Number of Events
0
1
2
3
4
7
8
9
minMass(j) (GeV)