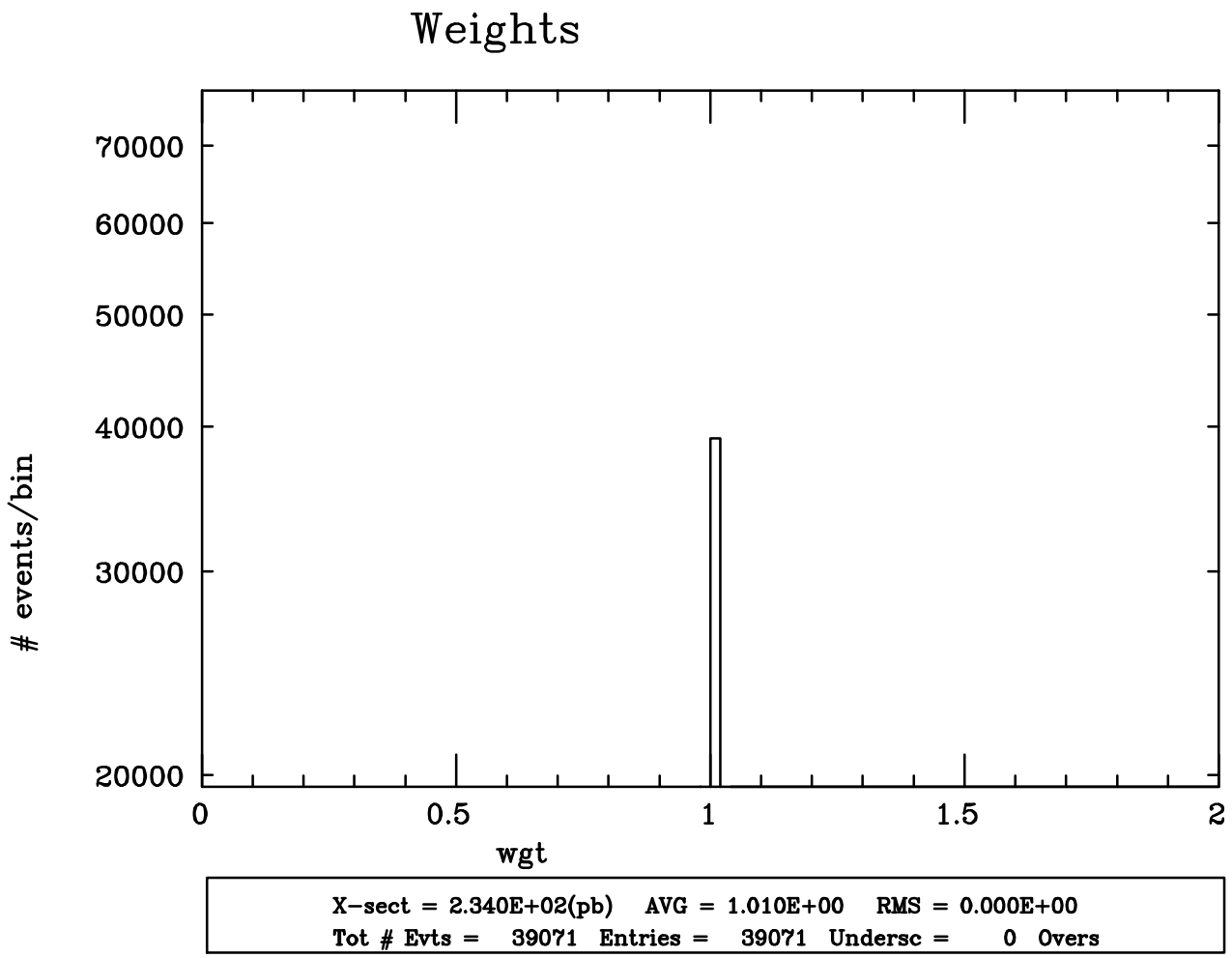
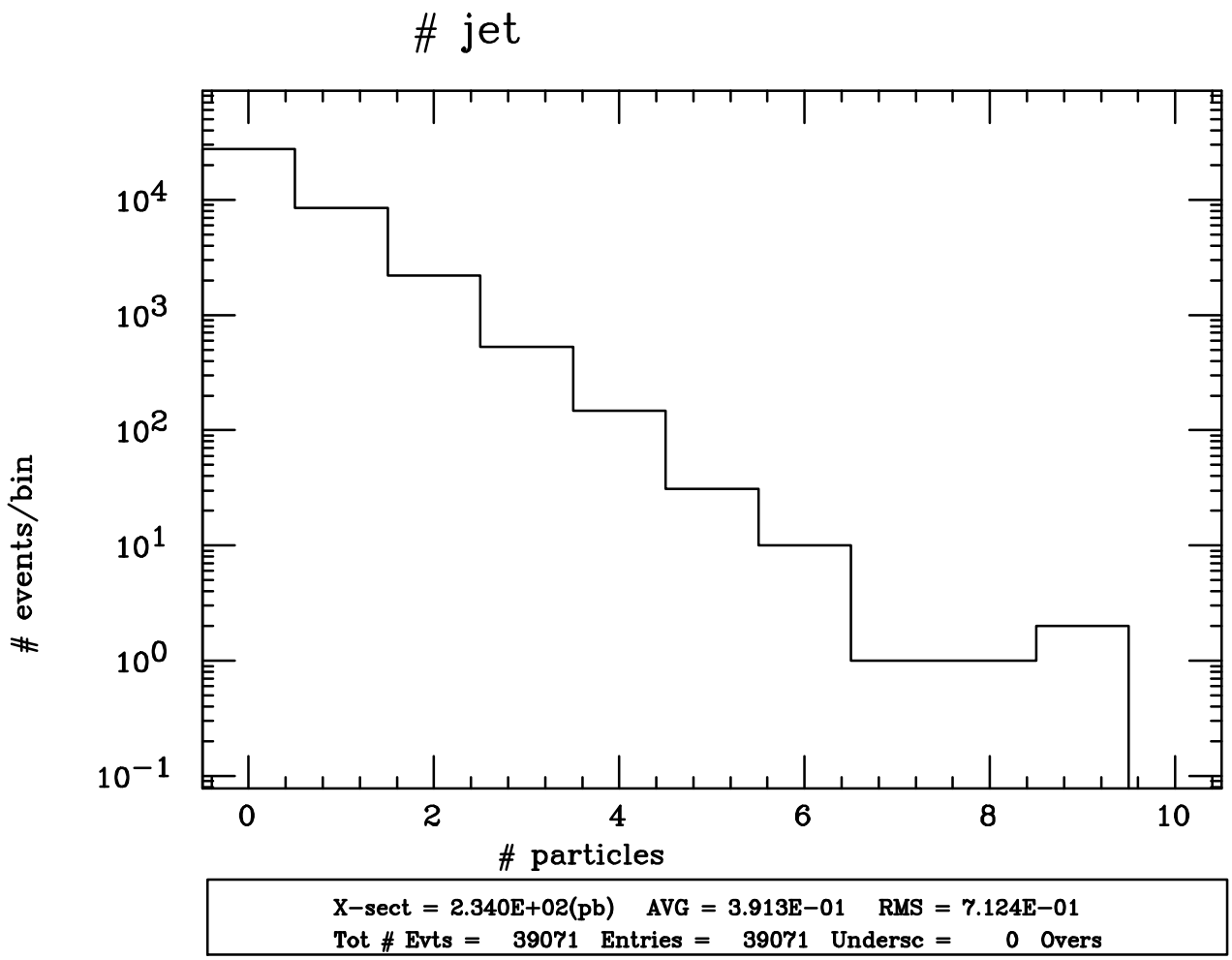
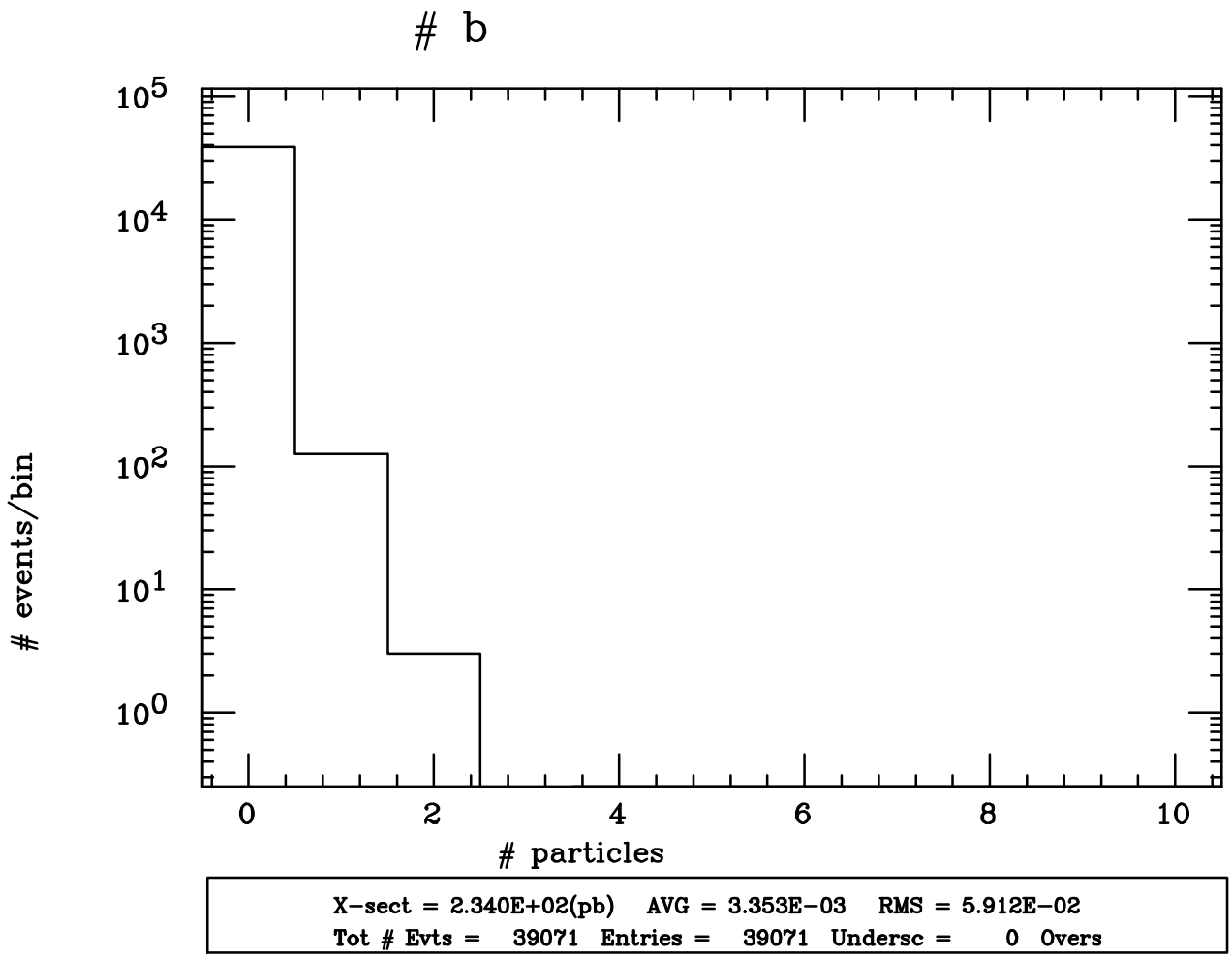
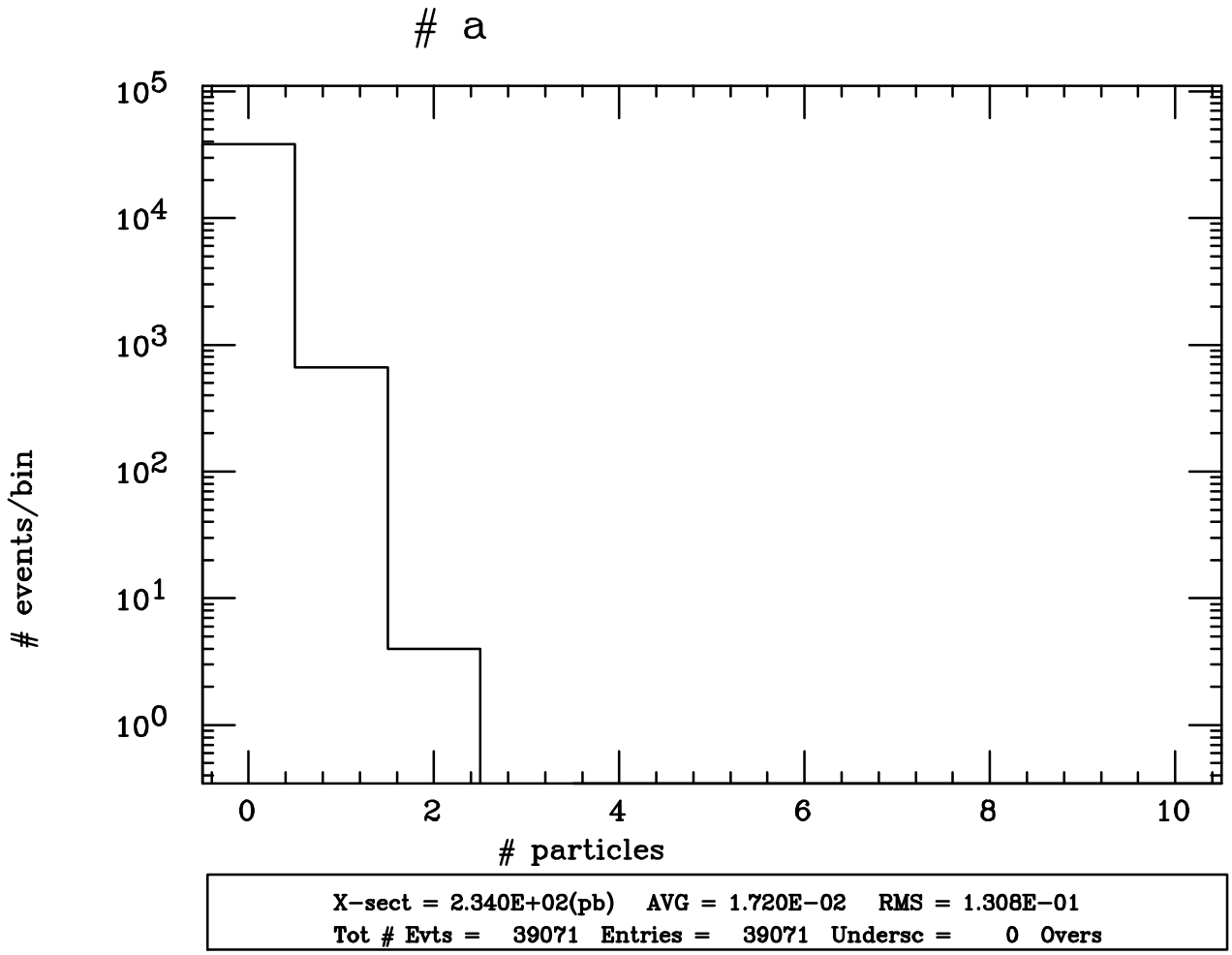
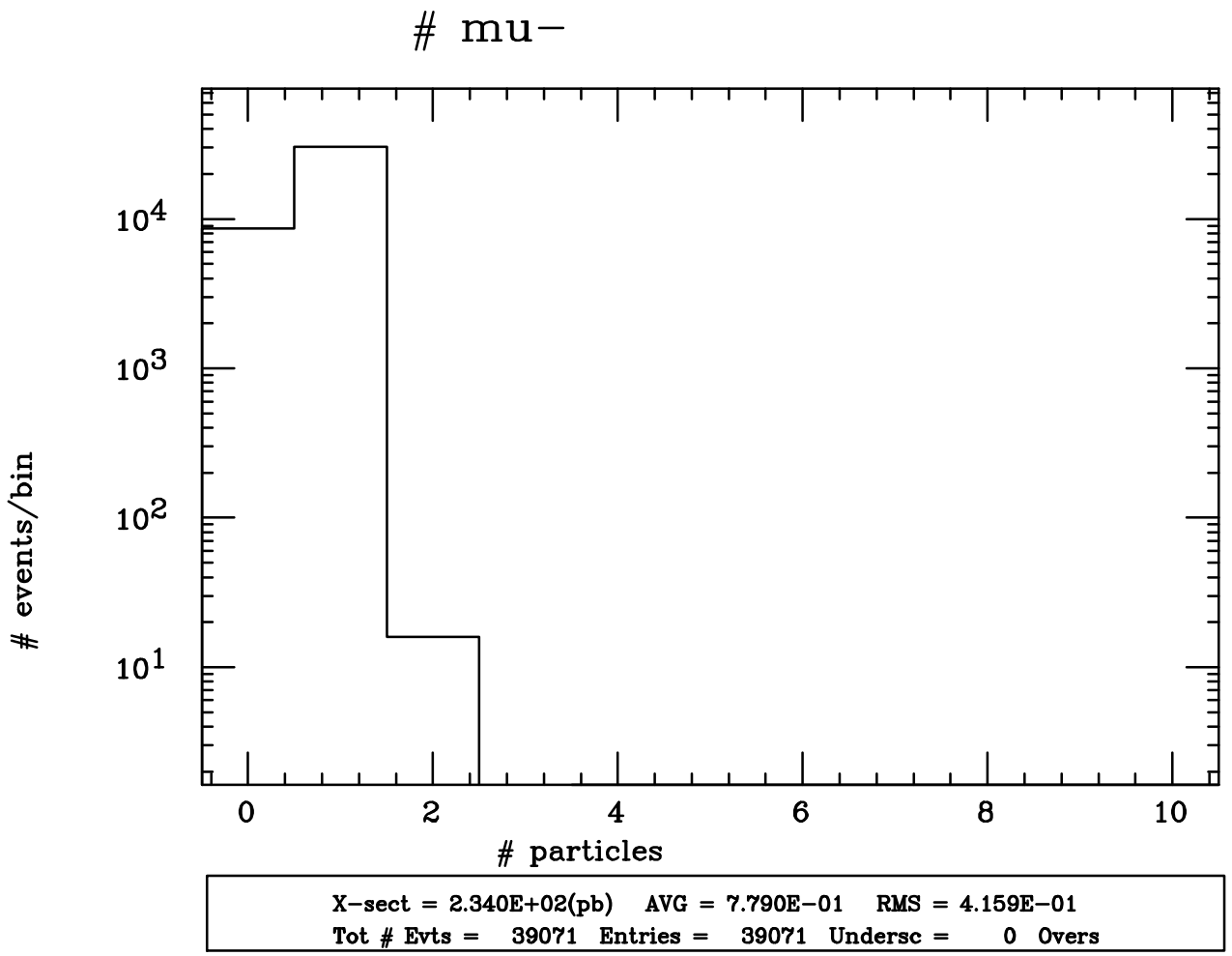
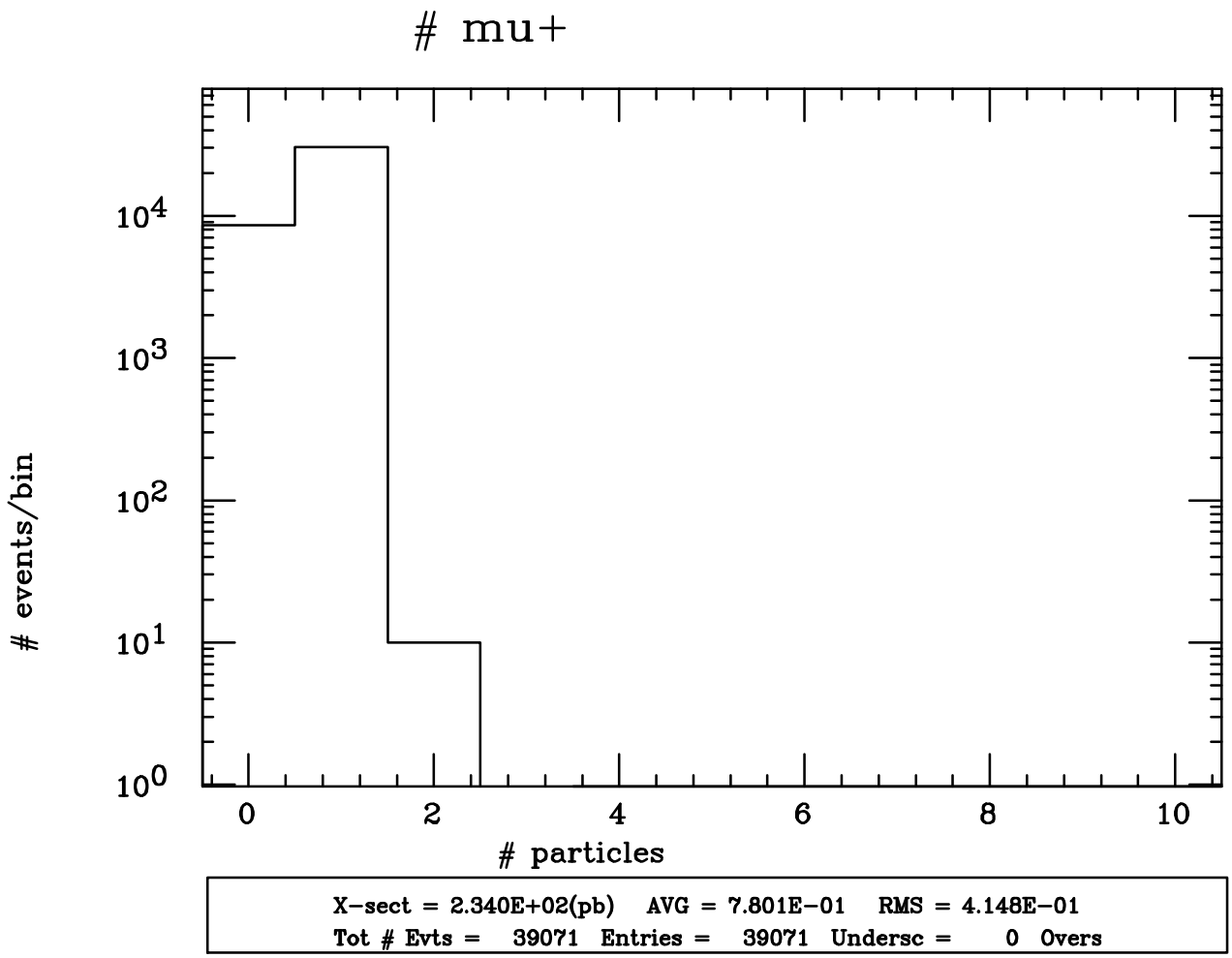

Weights
70000
60000
50000
40000
30000
20000
events/bin
0
0.5
1
1.5
2
wgt
X-sect = 2.340E+02(pb) AVG = 1.010E+00 RMS = 0.000E+00
Tot # Evts = 39071 Entries = 39071 Undersc = 0 Overs

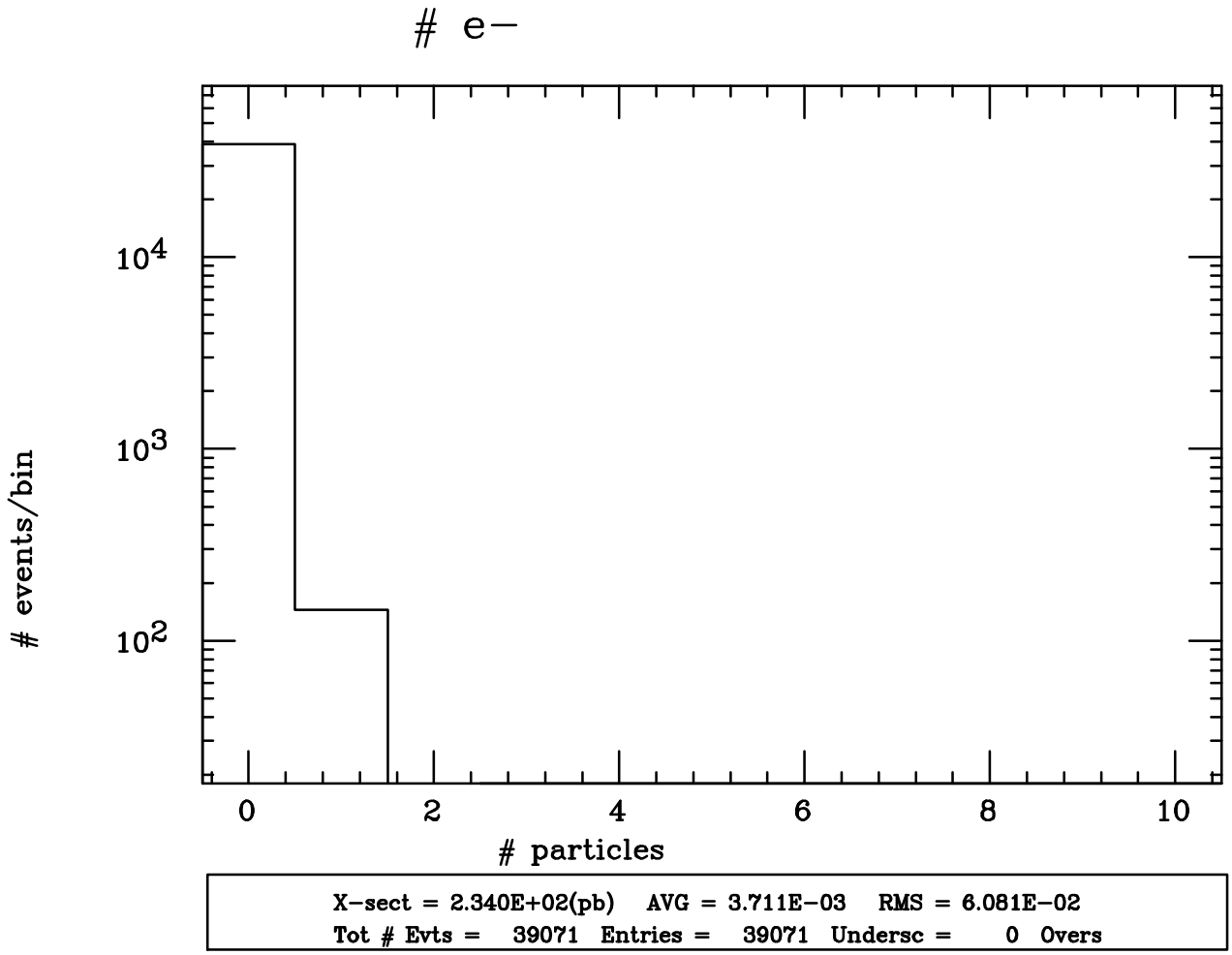

jet
events/bin
10^4
10^3
10^2
10^1
10^0
10^{-1}
0
2
4
6
8
10
particles
X-sect = 2.340E+02(pb) AVG = 3.913E-01 RMS = 7.124E-01
Tot # Evts = 39071 Entries = 39071 Undersc = 0 Overs

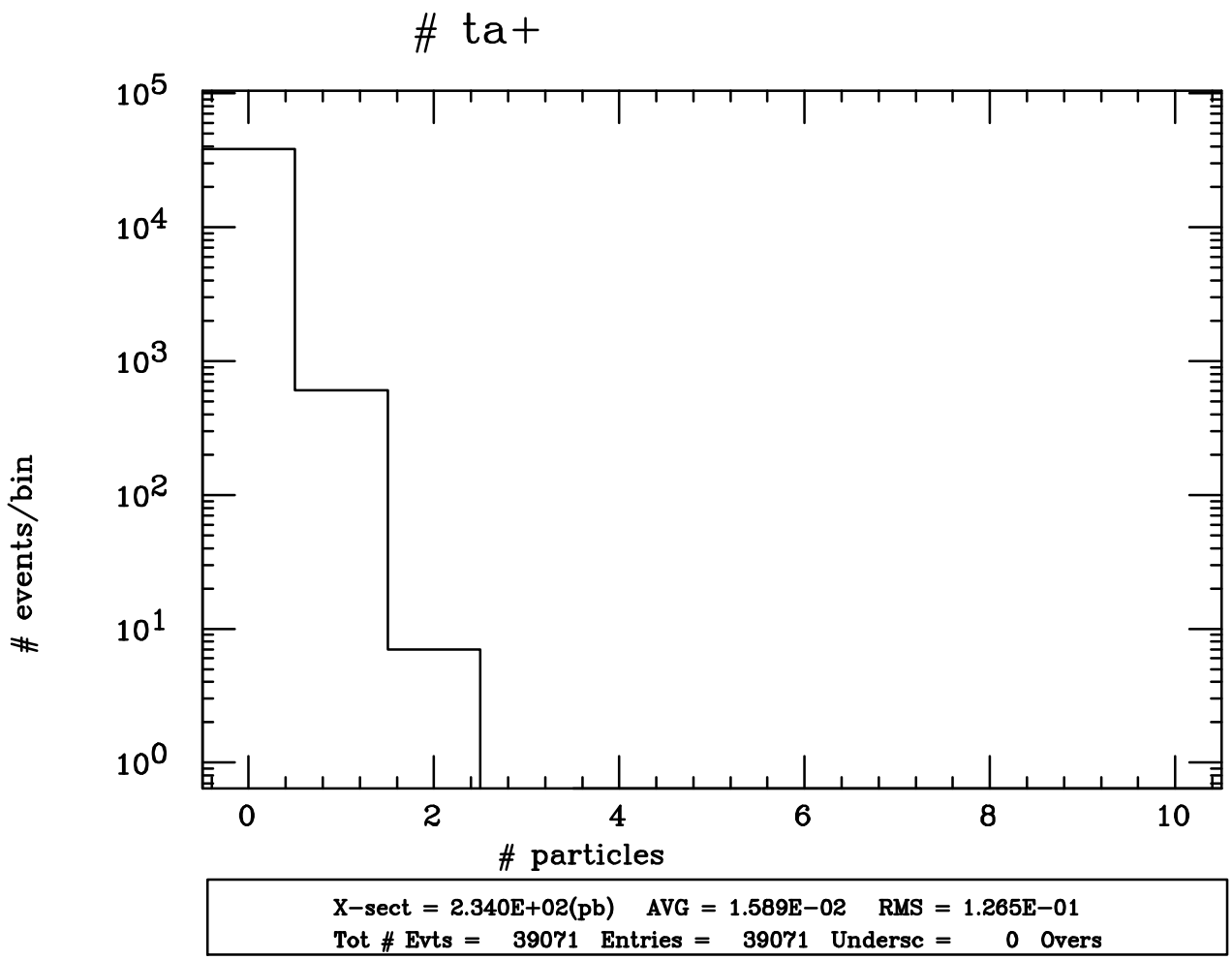

b
events/bin
10^5
10^4
10^3
10^2
10^1
10^0
0
2
4
6
8
10
particles
X-sect = 2.340E+02(pb) AVG = 3.353E-03 RMS = 5.912E-02
Tot # Evts = 39071 Entries = 39071 Undersc = 0 Overs

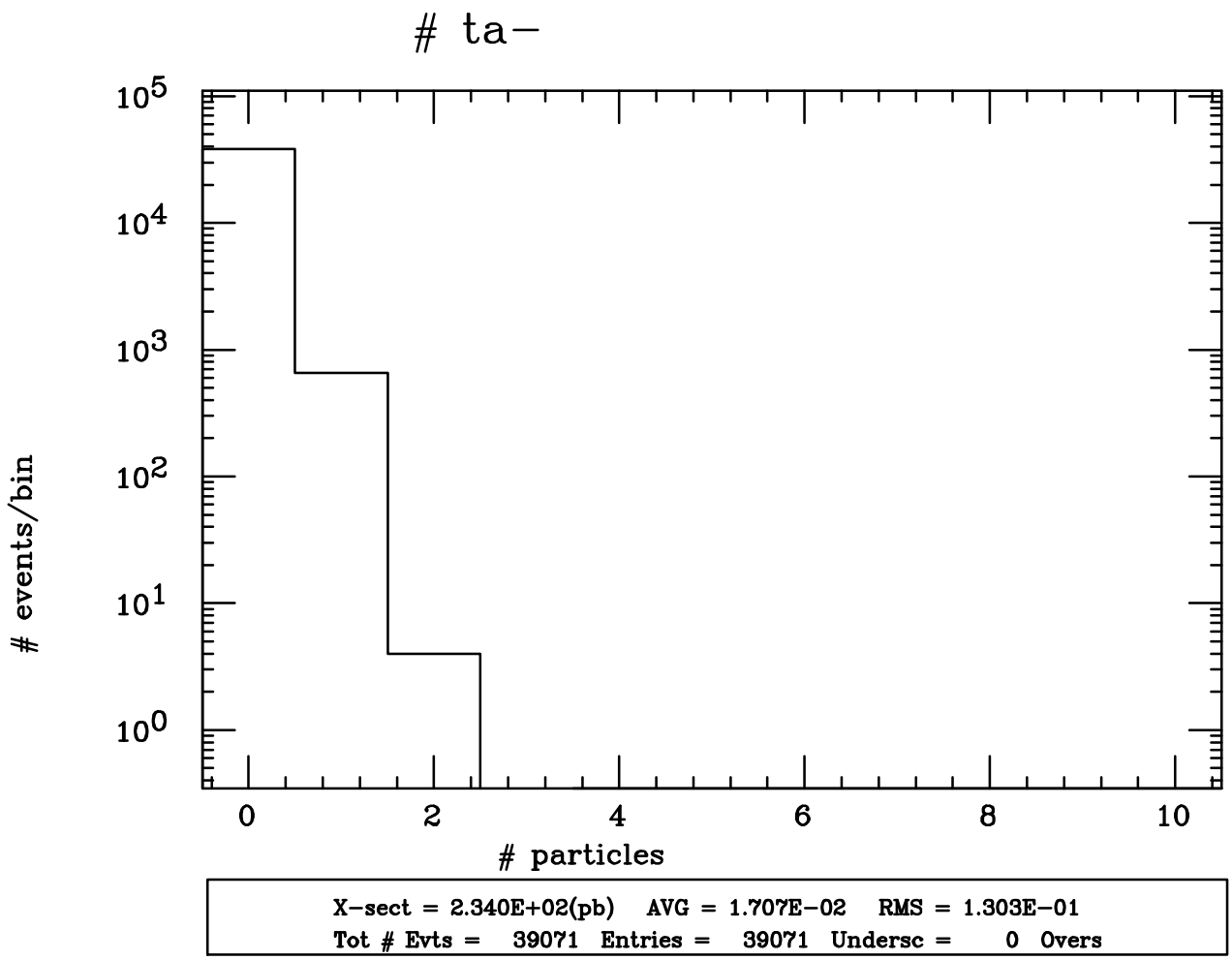

a
events/bin
10^5
10^4
10^3
10^2
10^1
10^0
0
2
4
6
8
10
particles
X-sect = 2.340E+02(pb) AVG = 1.720E-02 RMS = 1.308E-01
Tot # Evts = 39071 Entries = 39071 Undersc = 0 Overs

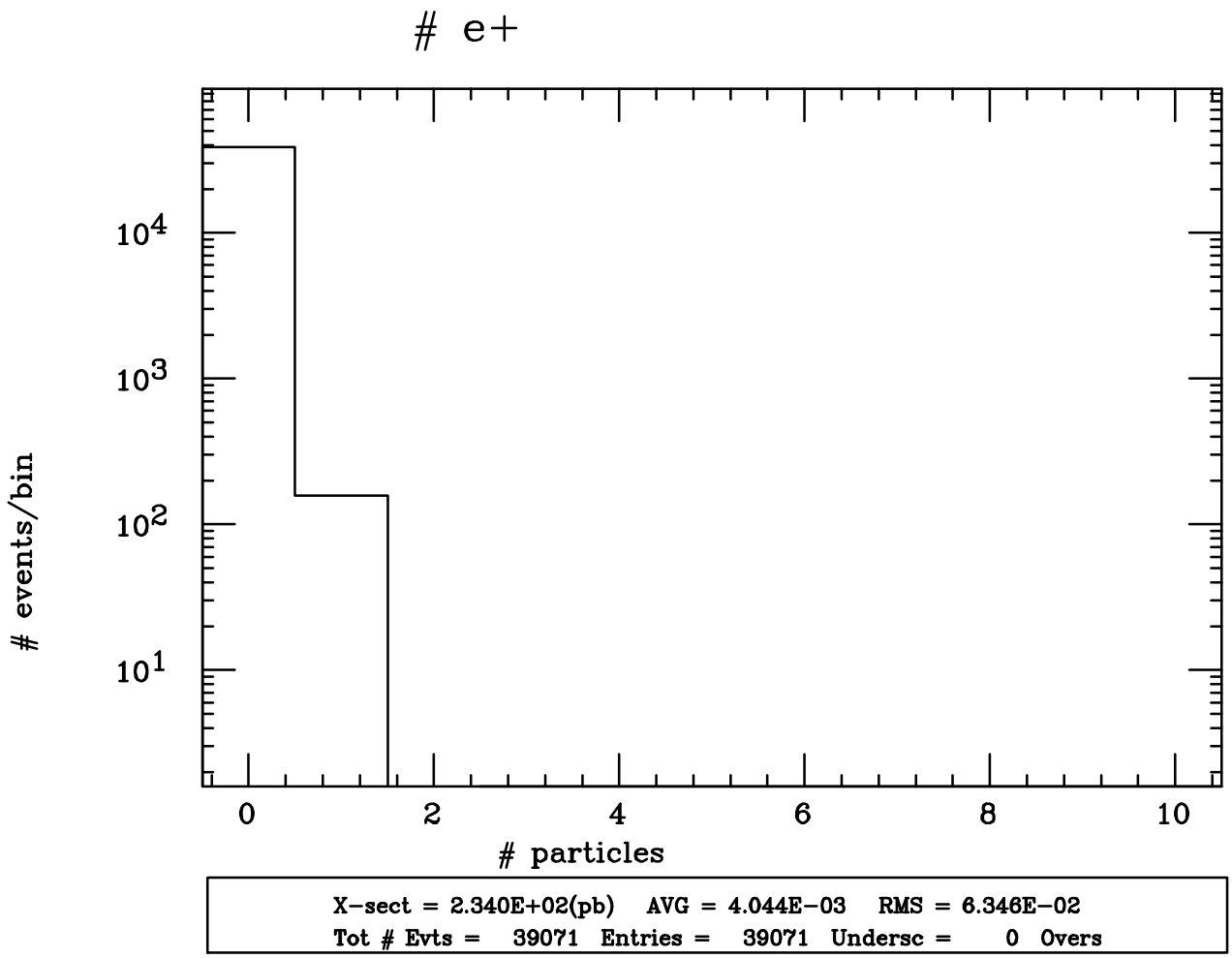

mu−
events/bin
10^4
10^3
10^2
10^1
0
2
4
6
8
10
particles
X−sect = 2.340E+02(pb) AVG = 7.790E−01 RMS = 4.159E−01
Tot # Evts = 39071 Entries = 39071 Undersc = 0 Overs

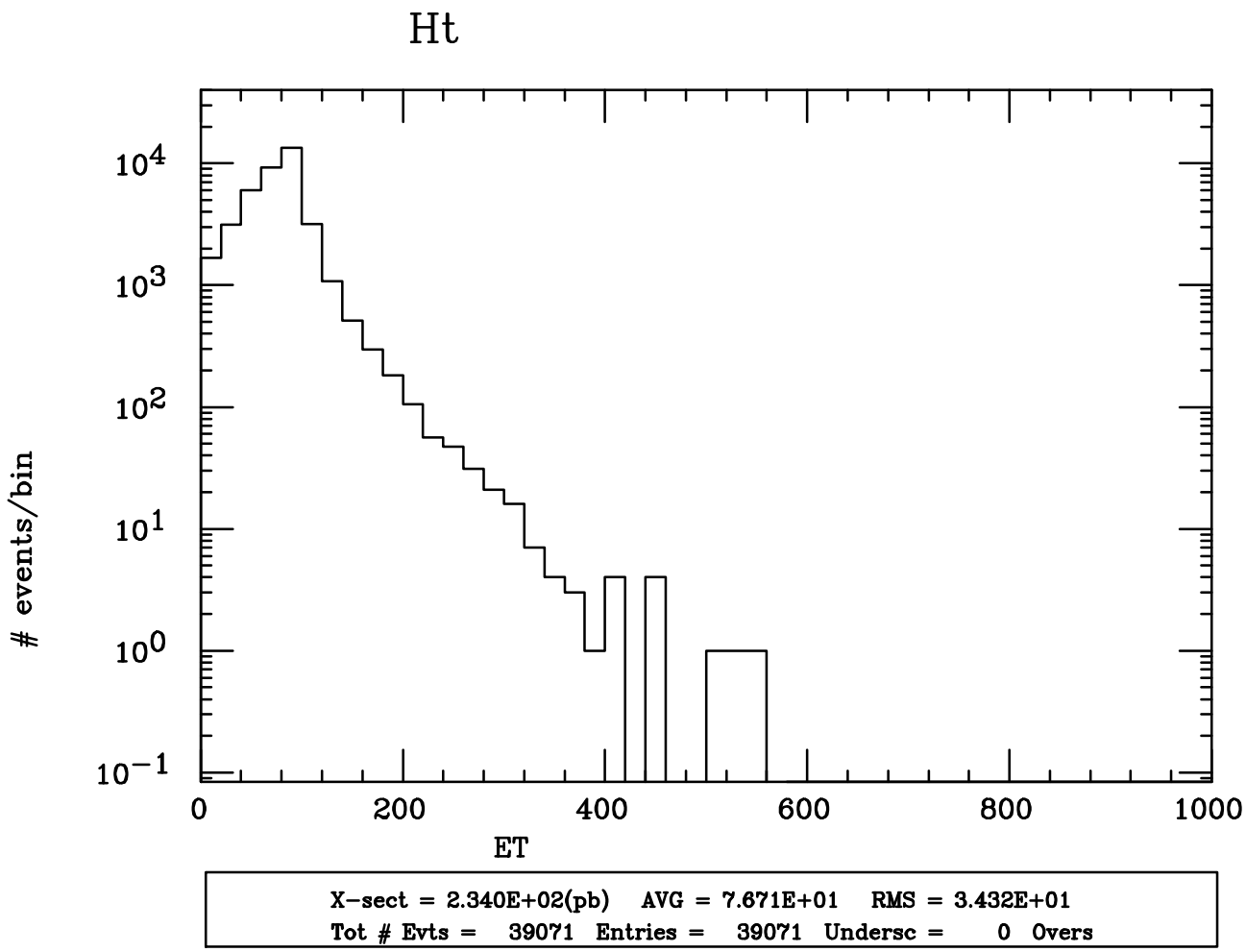

mu+
events/bin
10^4
10^3
10^2
10^1
10^0
0
2
4
6
8
10
particles
X-sect = 2.340E+02(pb) AVG = 7.801E-01 RMS = 4.148E-01
Tot # Evts = 39071 Entries = 39071 Undersc = 0 Overs

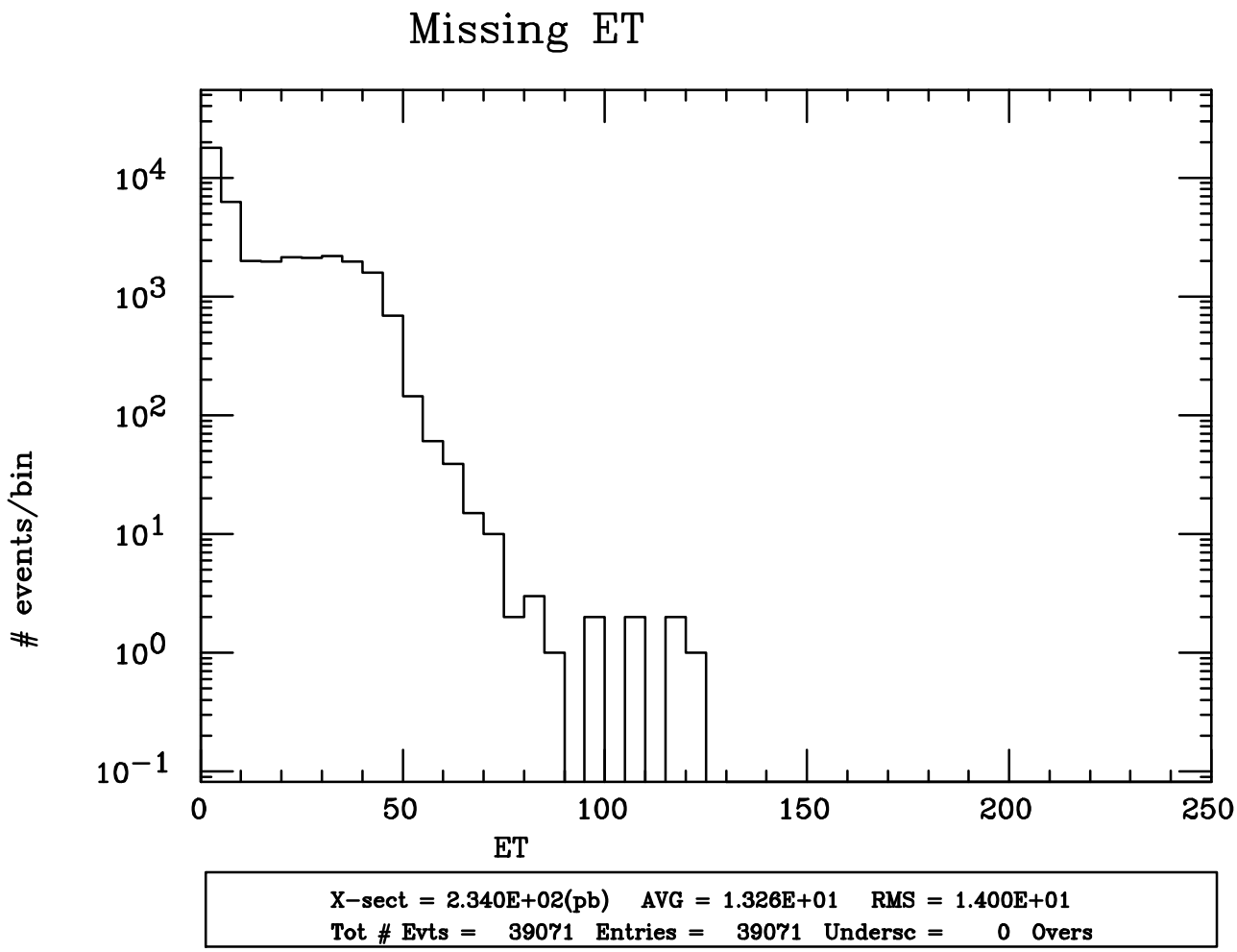

e−
events/bin
10^4
10^3
10^2
0
2
4
6
8
10
particles
X−sect = 2.340E+02(pb) AVG = 3.711E−03 RMS = 6.081E−02
Tot # Evts = 39071 Entries = 39071 Undersc = 0 Overs

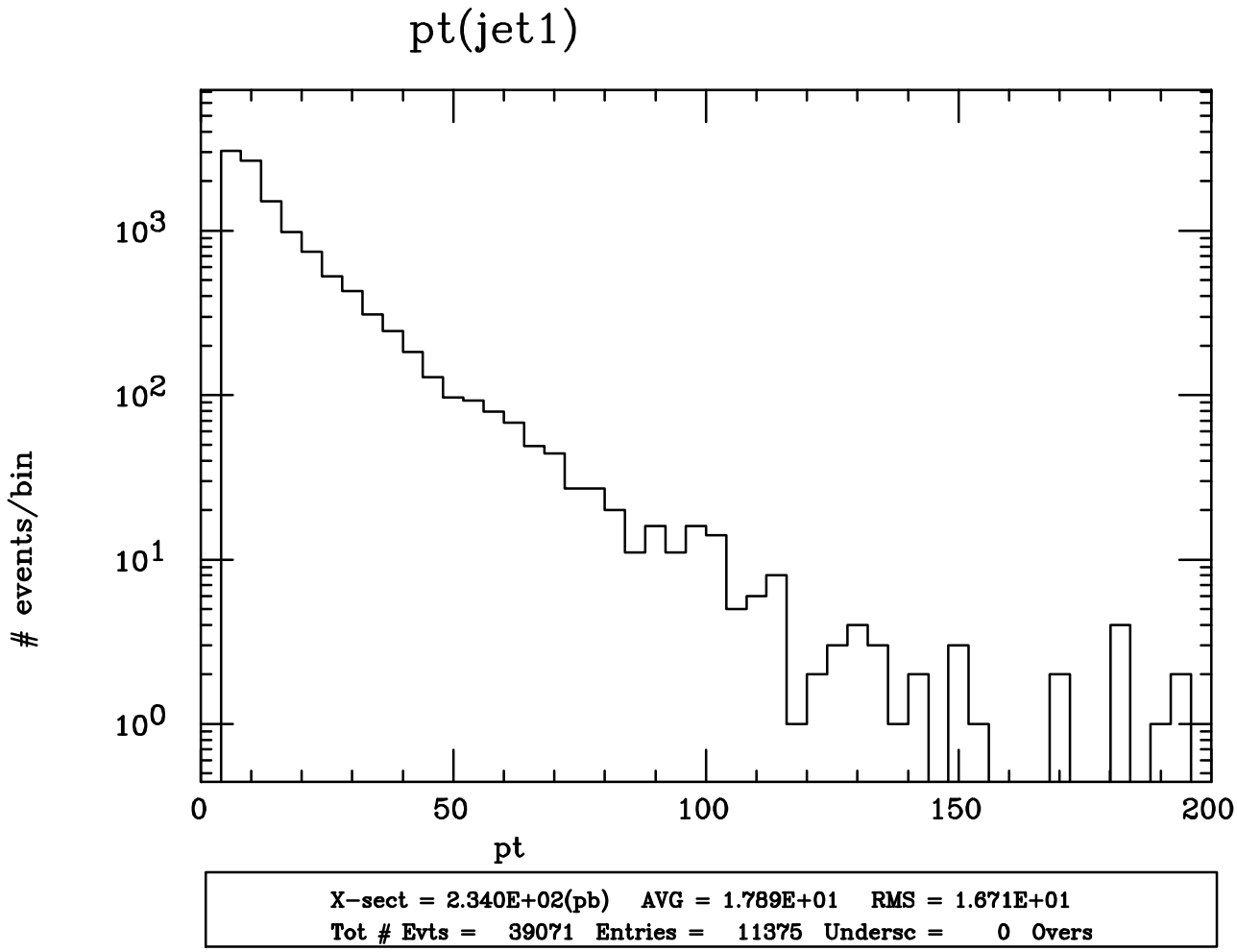

ta+
events/bin
10^5
10^4
10^3
10^2
10^1
10^0
0
2
4
6
8
10
particles
X-sect = 2.340E+02(pb) AVG = 1.589E-02 RMS = 1.265E-01
Tot # Evts = 39071 Entries = 39071 Undersc = 0 Overs

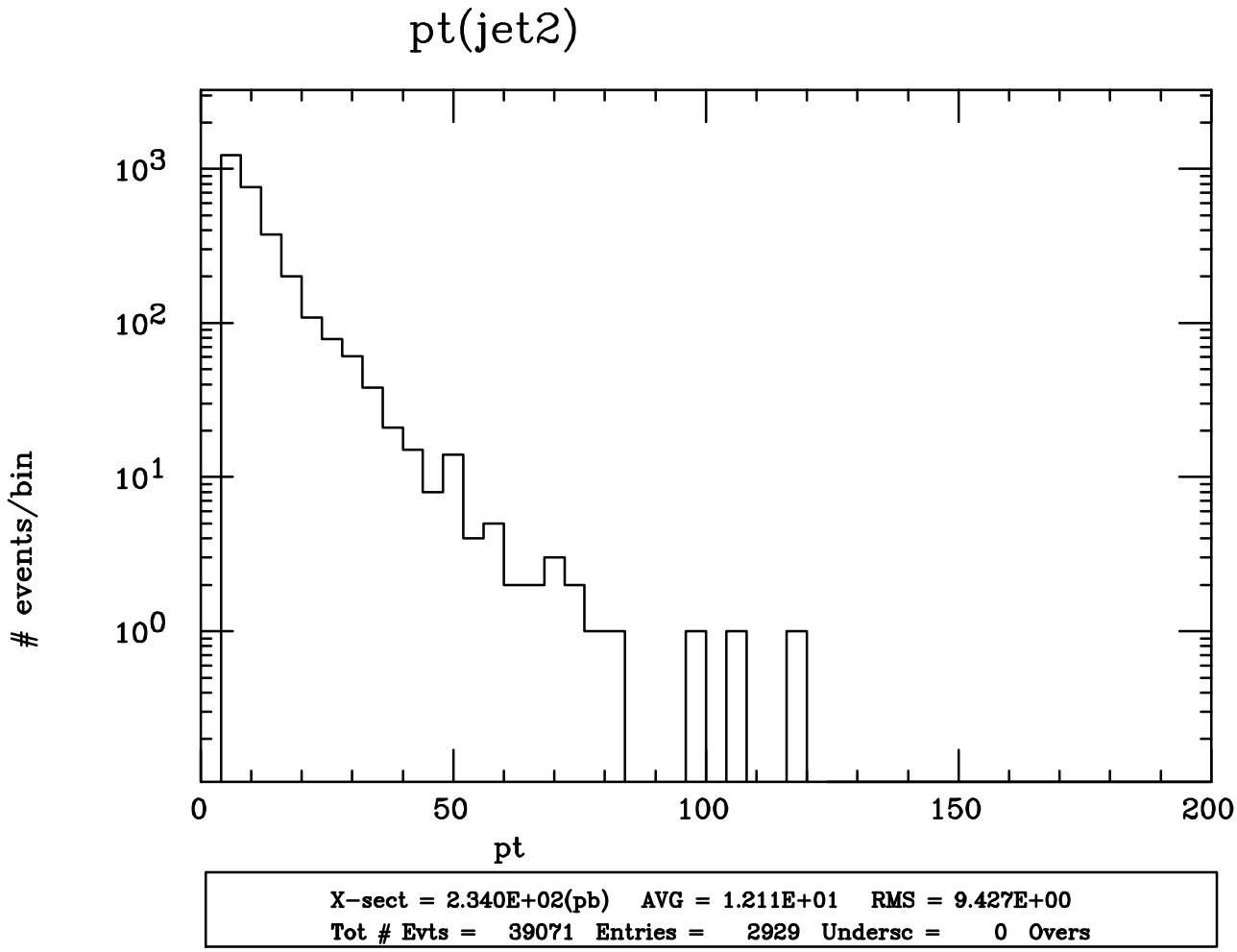

ta−
events/bin
10^5
10^4
10^3
10^2
10^1
10^0
0
2
4
6
8
10
particles
X−sect = 2.340E+02(pb) AVG = 1.707E−02 RMS = 1.303E−01
Tot # Evts = 39071 Entries = 39071 Undersc = 0 Overs

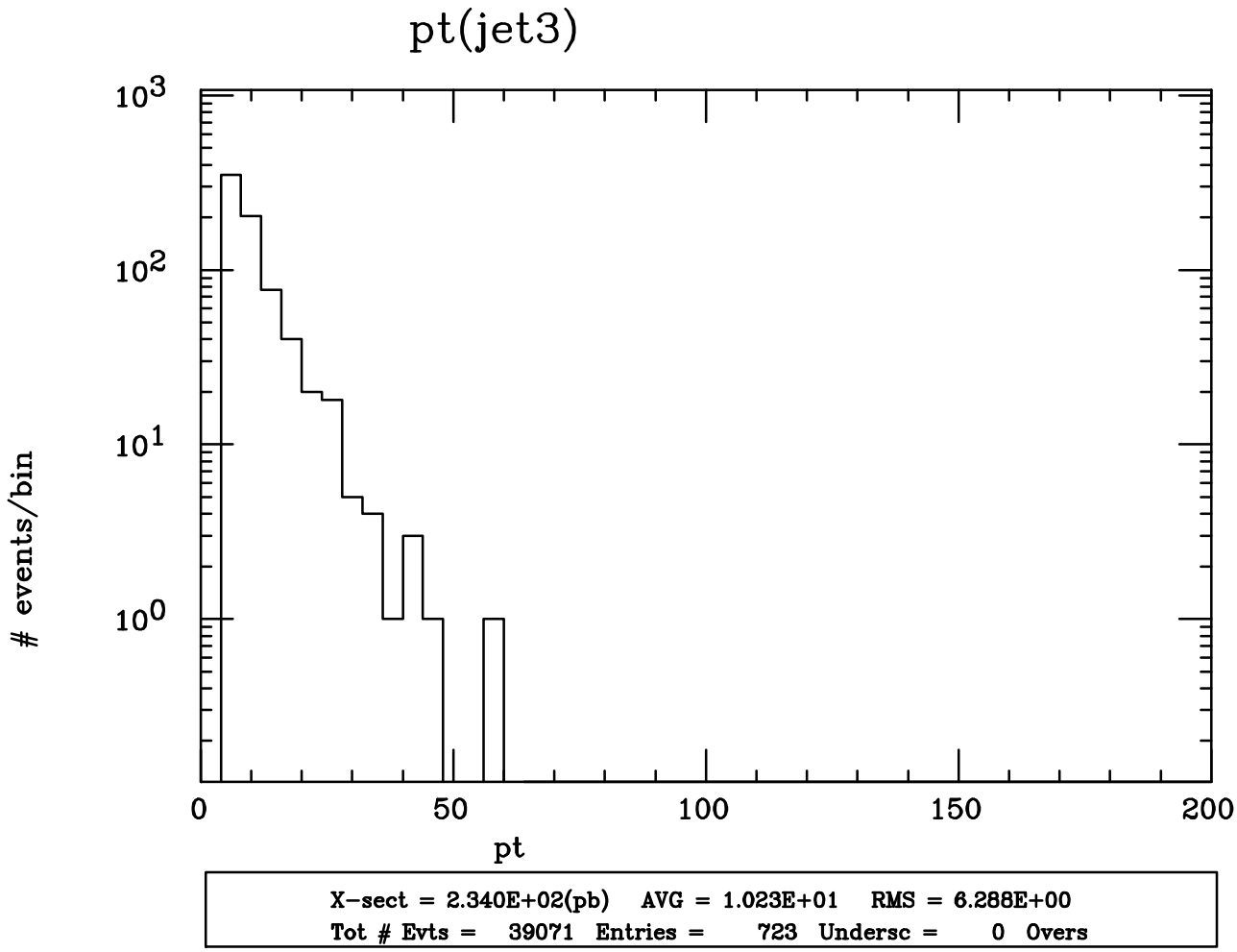

e+
events/bin
10^4
10^3
10^2
10^1
0
2
4
6
8
10
particles
X-sect = 2.340E+02(pb) AVG = 4.044E-03 RMS = 6.346E-02
Tot # Evts = 39071 Entries = 39071 Undersc = 0 Overs

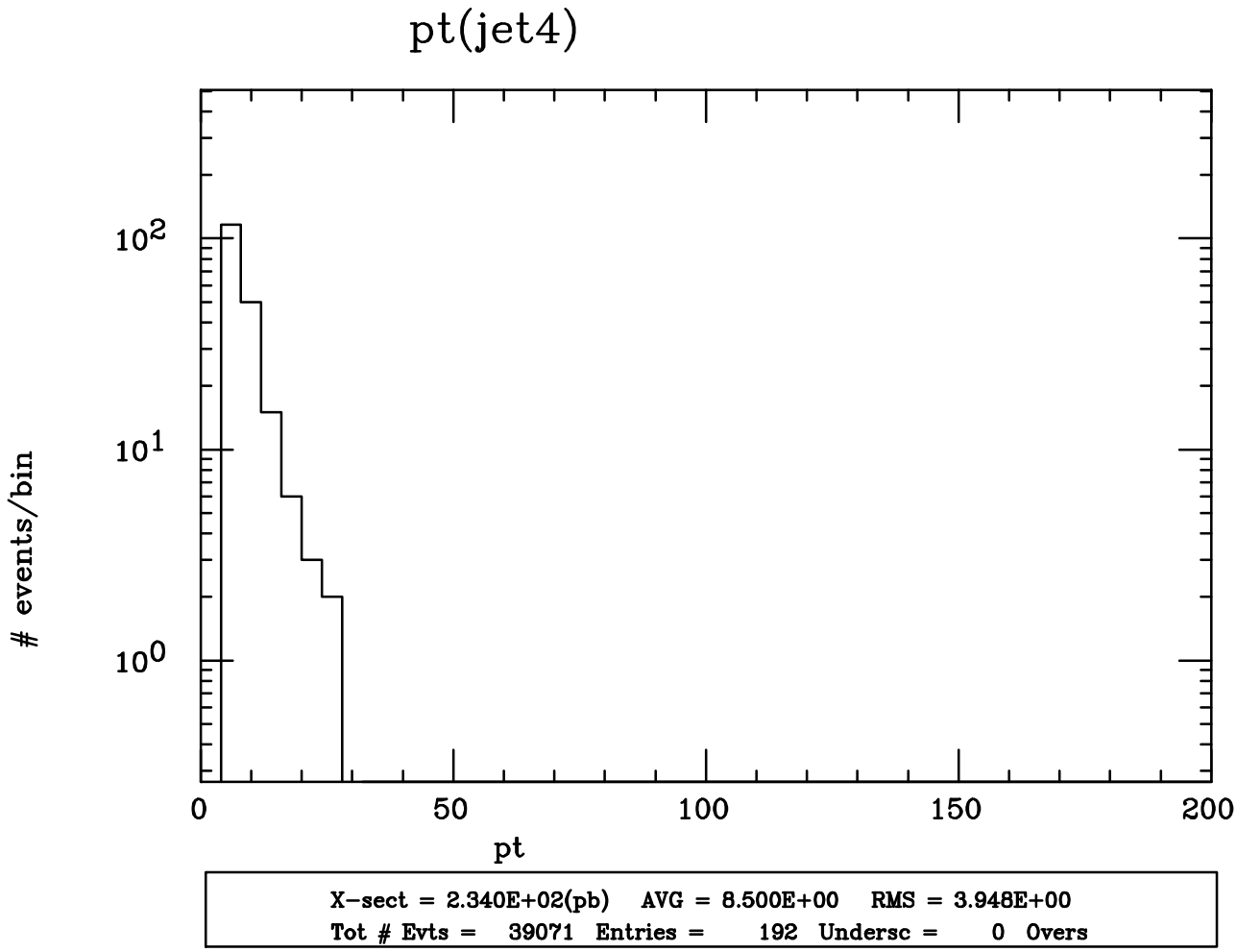

Ht
events/bin
10^4
10^3
10^2
10^1
10^0
10^{-1}
0
200
400
600
800
1000
ET
X-sect = 2.340E+02(pb) AVG = 7.671E+01 RMS = 3.432E+01
Tot # Evts = 39071 Entries = 39071 Undersc = 0 Overs

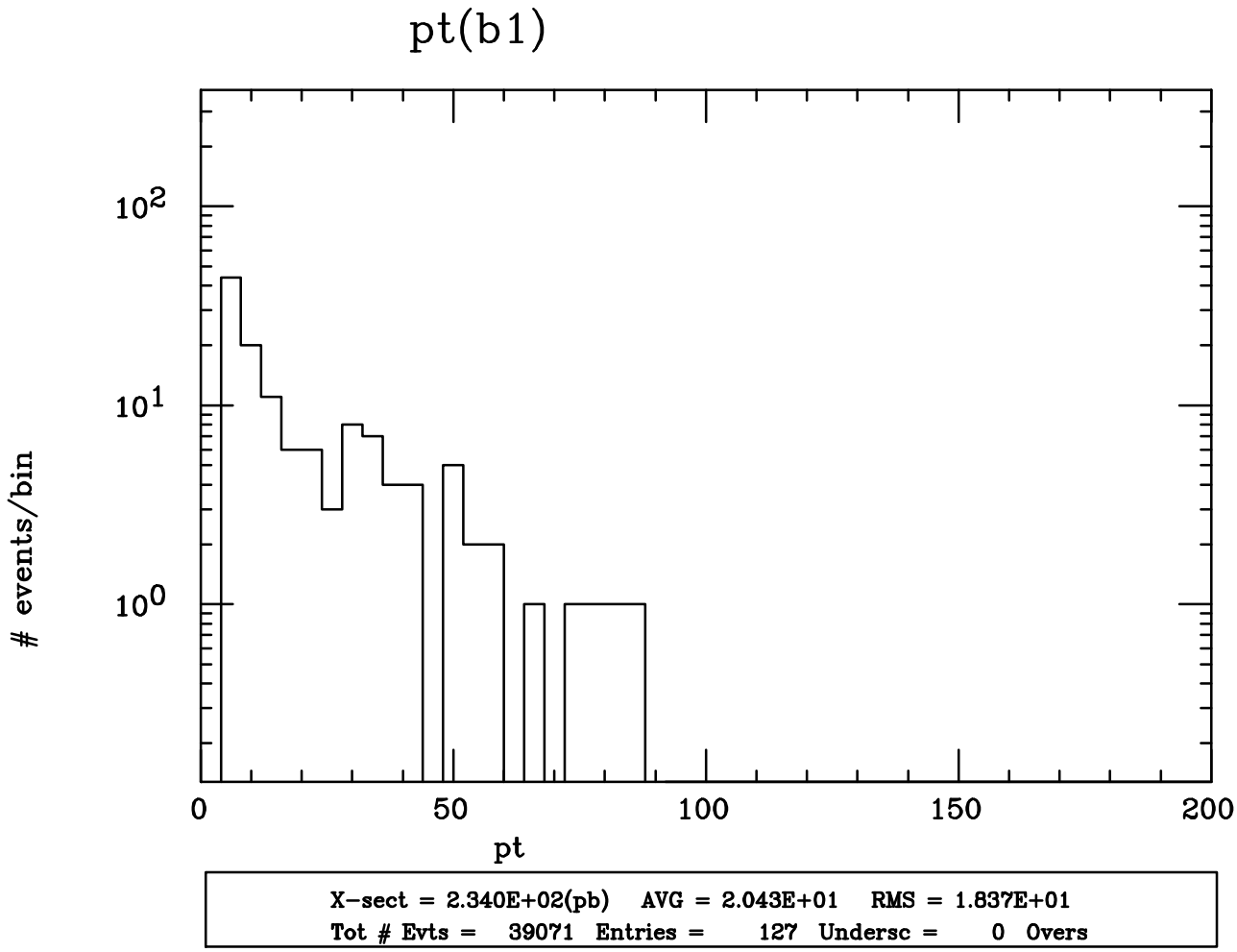

Missing ET
events/bin
10^4
10^3
10^2
10^1
10^0
10^{-1}
0
50
100
150
200
250
ET
X-sect = 2.340E+02(pb) AVG = 1.326E+01 RMS = 1.400E+01
Tot # Evts = 39071 Entries = 39071 Undersc = 0 Overs

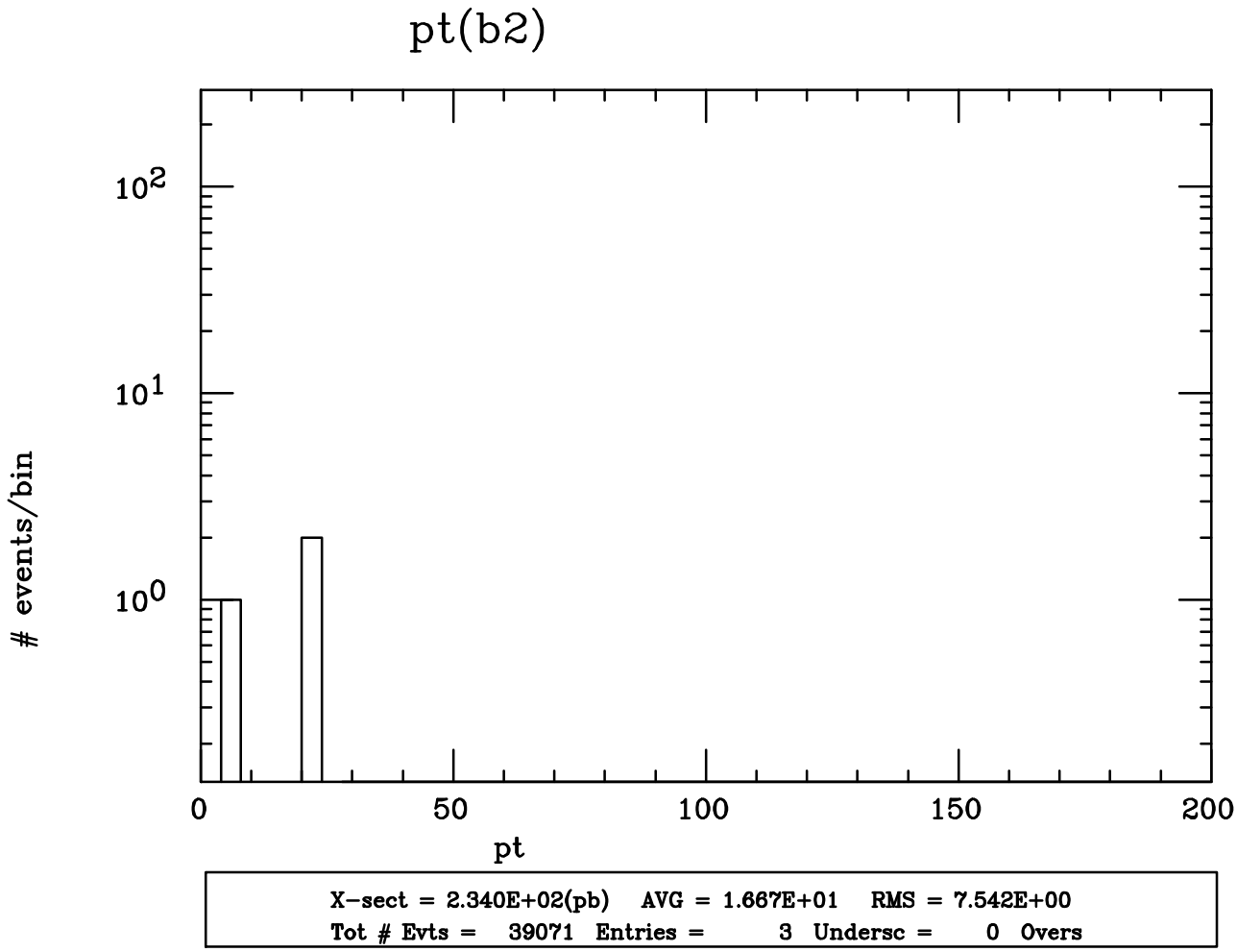

pt(jet1)
# events/bin
10^3
10^2
10^1
10^0
0
50
100
150
200
pt
X-sect = 2.340E+02(pb) AVG = 1.789E+01 RMS = 1.671E+01
Tot # Evts = 39071 Entries = 11375 Undersc = 0 Overs

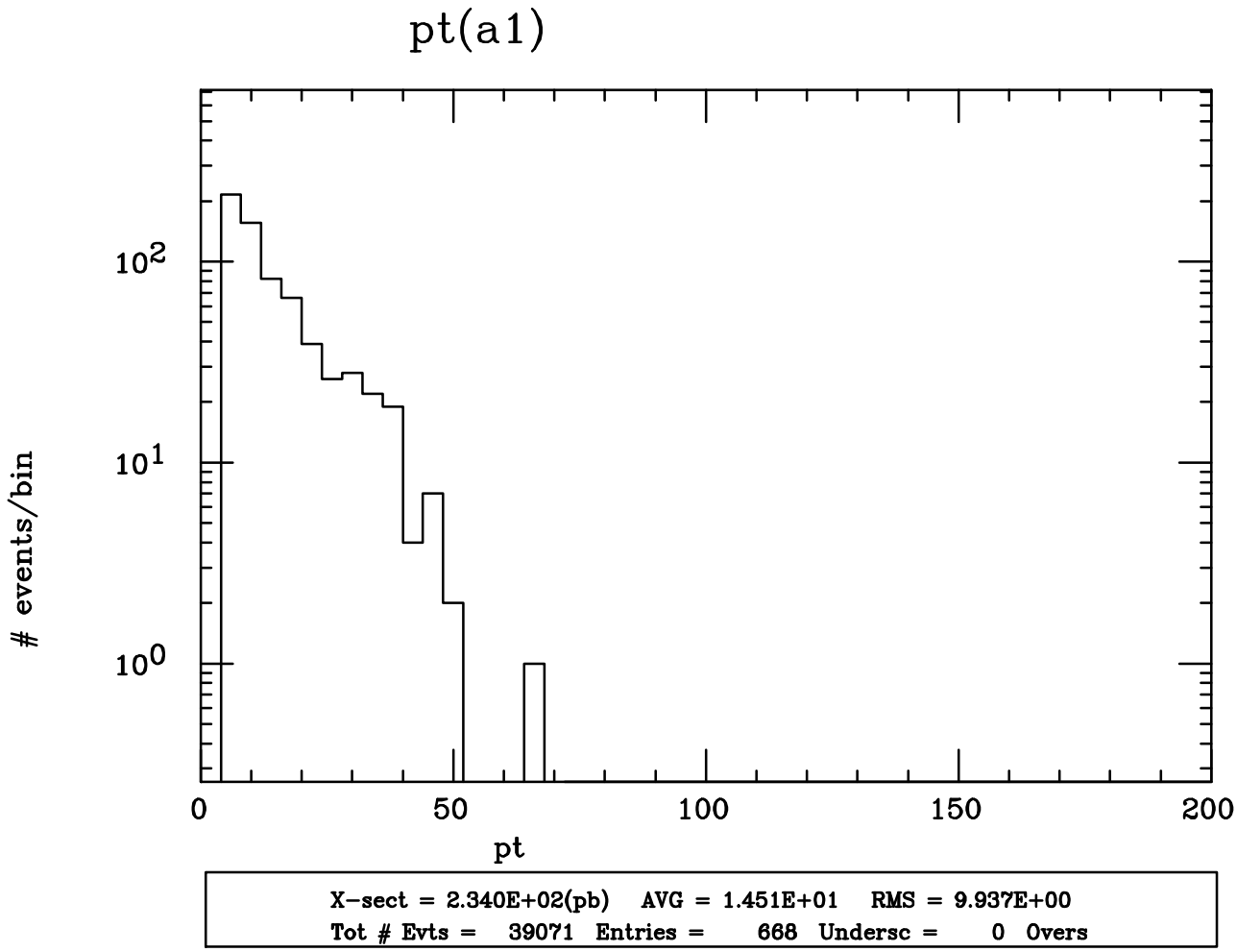

pt(jet2)
# events/bin
10^3
10^2
10^1
10^0
0
50
100
150
200
pt
X-sect = 2.340E+02(pb) AVG = 1.211E+01 RMS = 9.427E+00
Tot # Evts = 39071 Entries = 2929 Undersc = 0 Overs

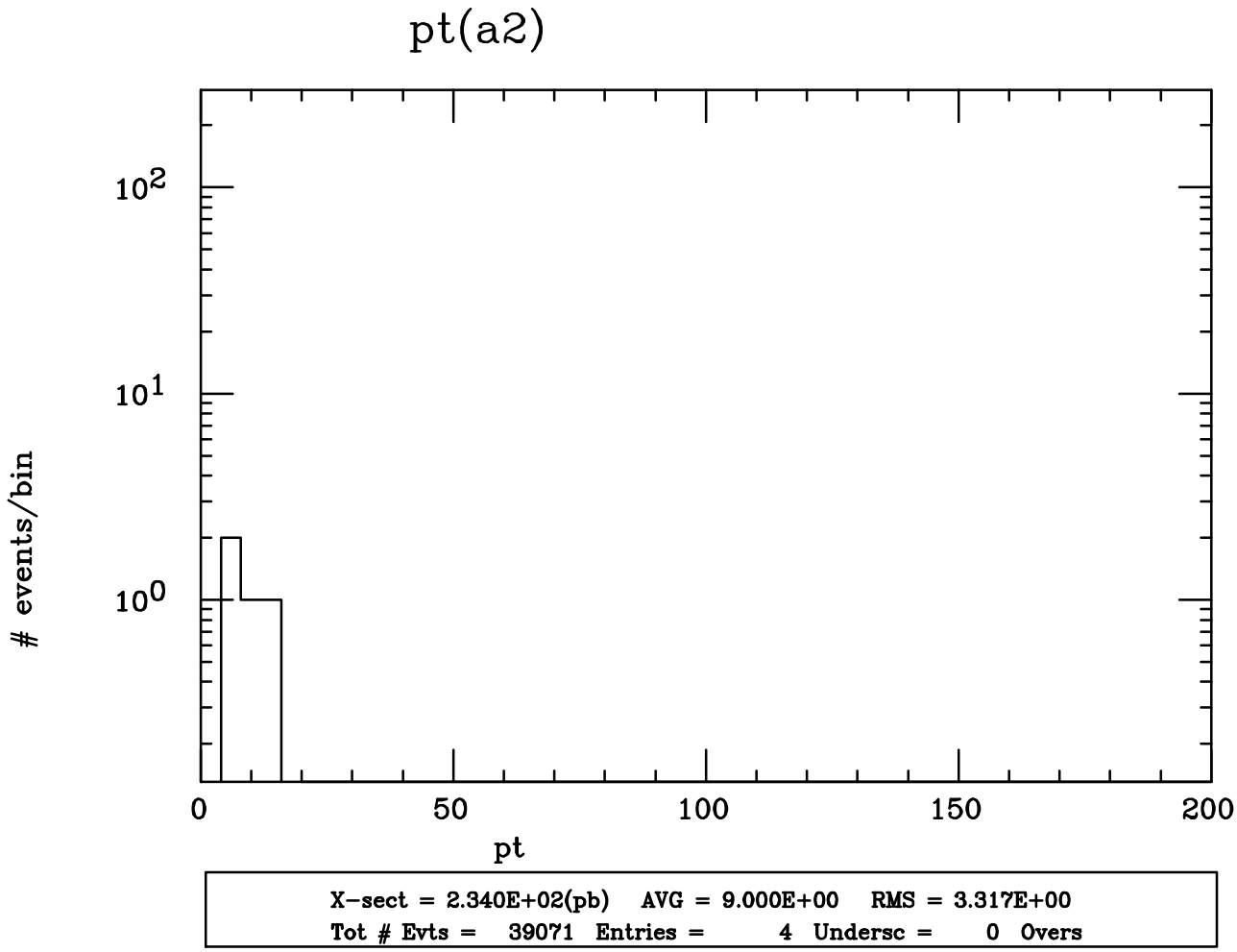

pt(jet3)
# events/bin
10^3
10^2
10^1
10^0
0
50
100
150
200
pt
X-sect = 2.340E+02(pb) AVG = 1.023E+01 RMS = 6.288E+00
Tot # Evts = 39071 Entries = 723 Undersc = 0 Overs

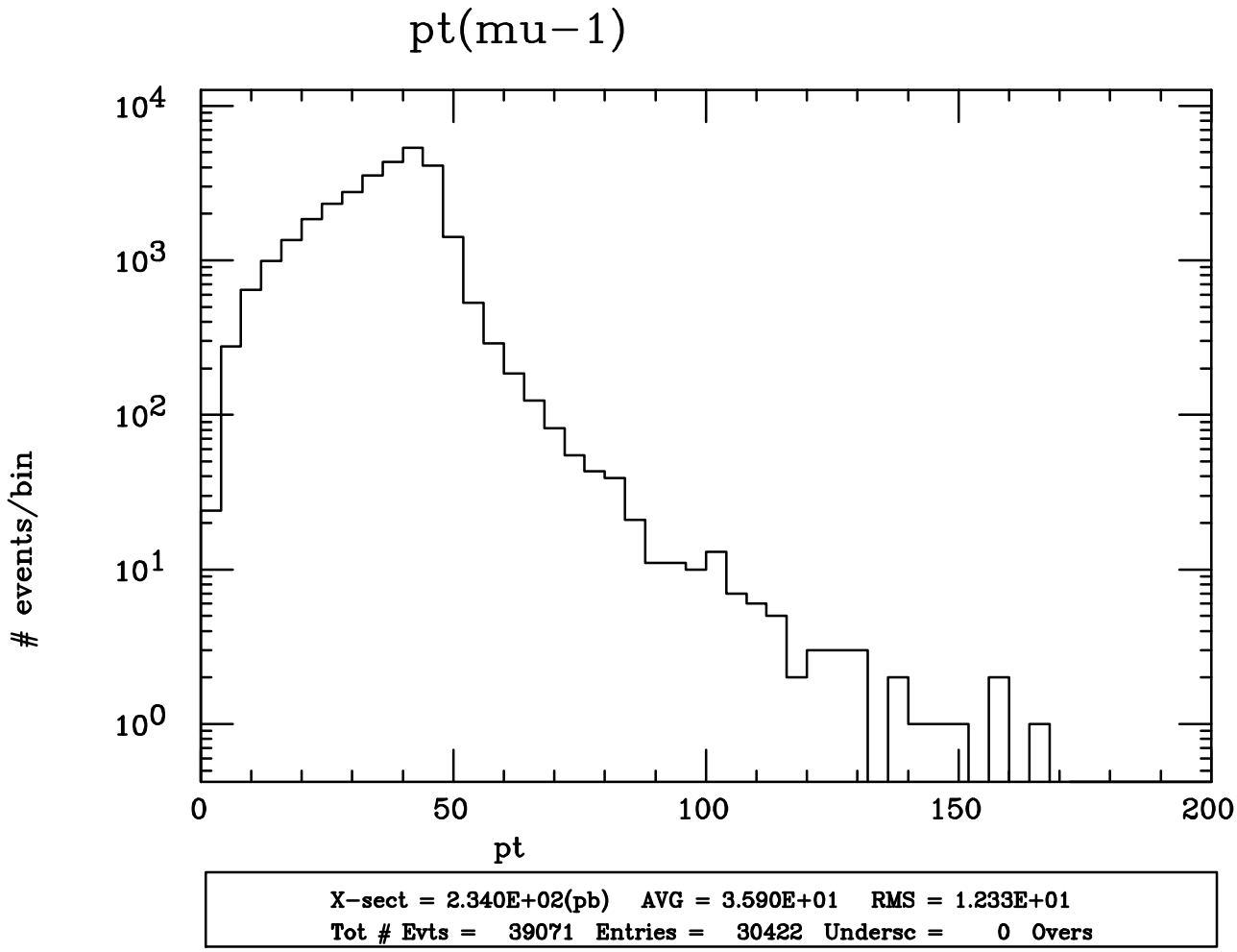

pt(jet4)
# events/bin
10^2
10^1
10^0
0
50
100
150
200
pt
X-sect = 2.340E+02(pb) AVG = 8.500E+00 RMS = 3.948E+00
Tot # Evts = 39071 Entries = 192 Undersc = 0 Overs

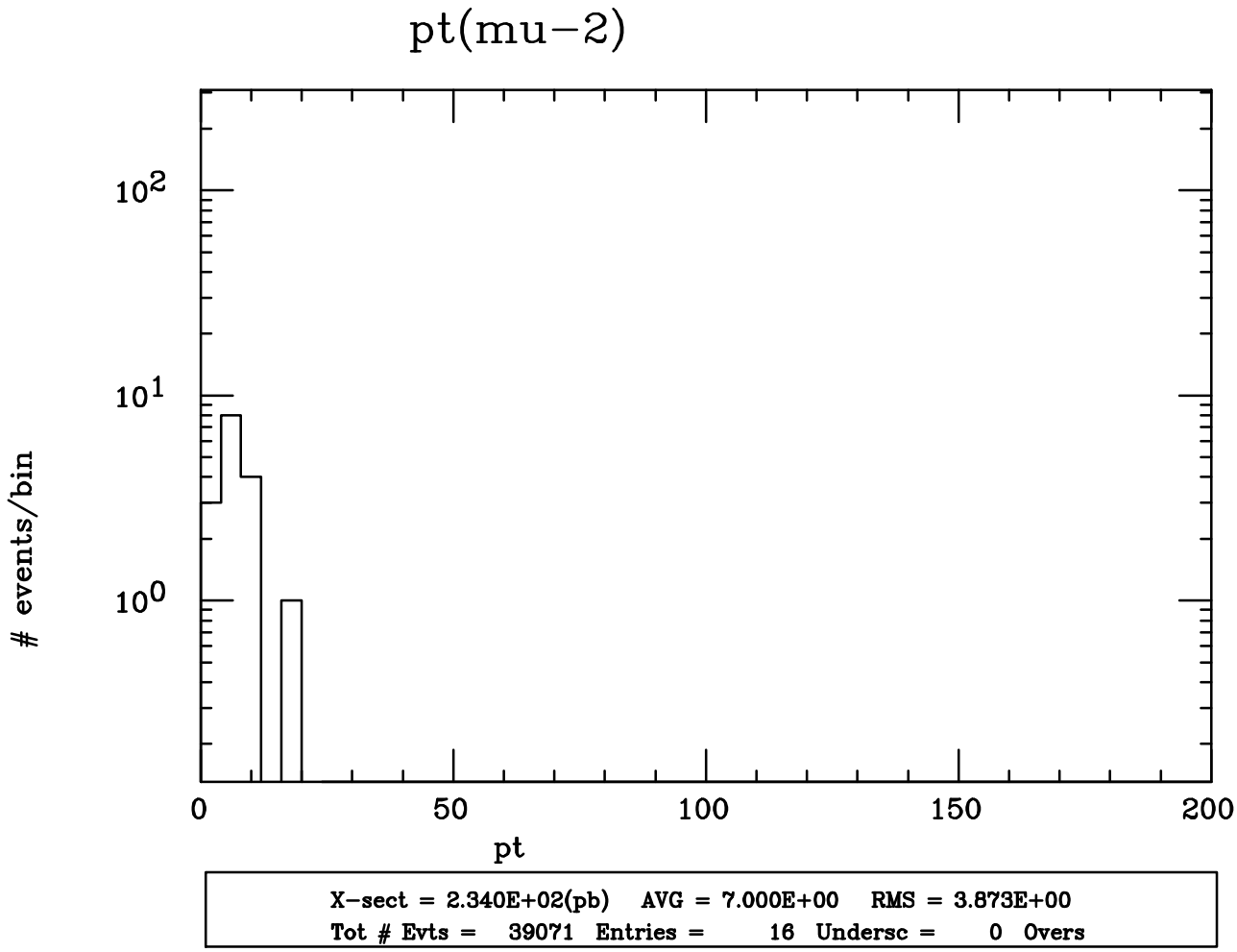

pt(b1)
# events/bin
10^2
10^1
10^0
0
50
100
150
200
pt
X-sect = 2.340E+02(pb) AVG = 2.043E+01 RMS = 1.837E+01
Tot # Evts = 39071 Entries = 127 Undersc = 0 Overs

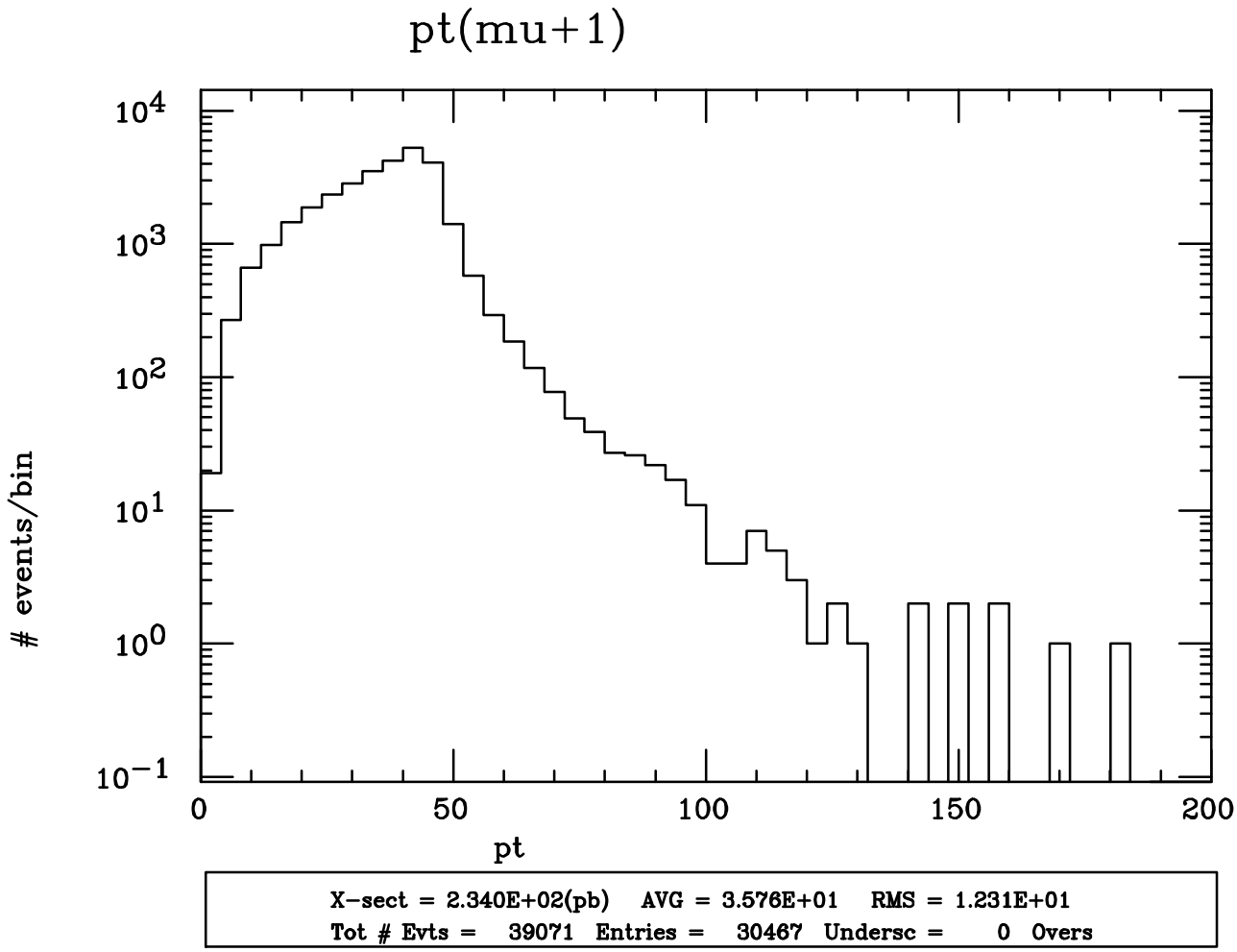

pt(b2)
# events/bin
10^2
10^1
10^0
0
50
100
150
200
pt
X-sect = 2.340E+02(pb) AVG = 1.667E+01 RMS = 7.542E+00
Tot # Evts = 39071 Entries = 3 Undersc = 0 Overs

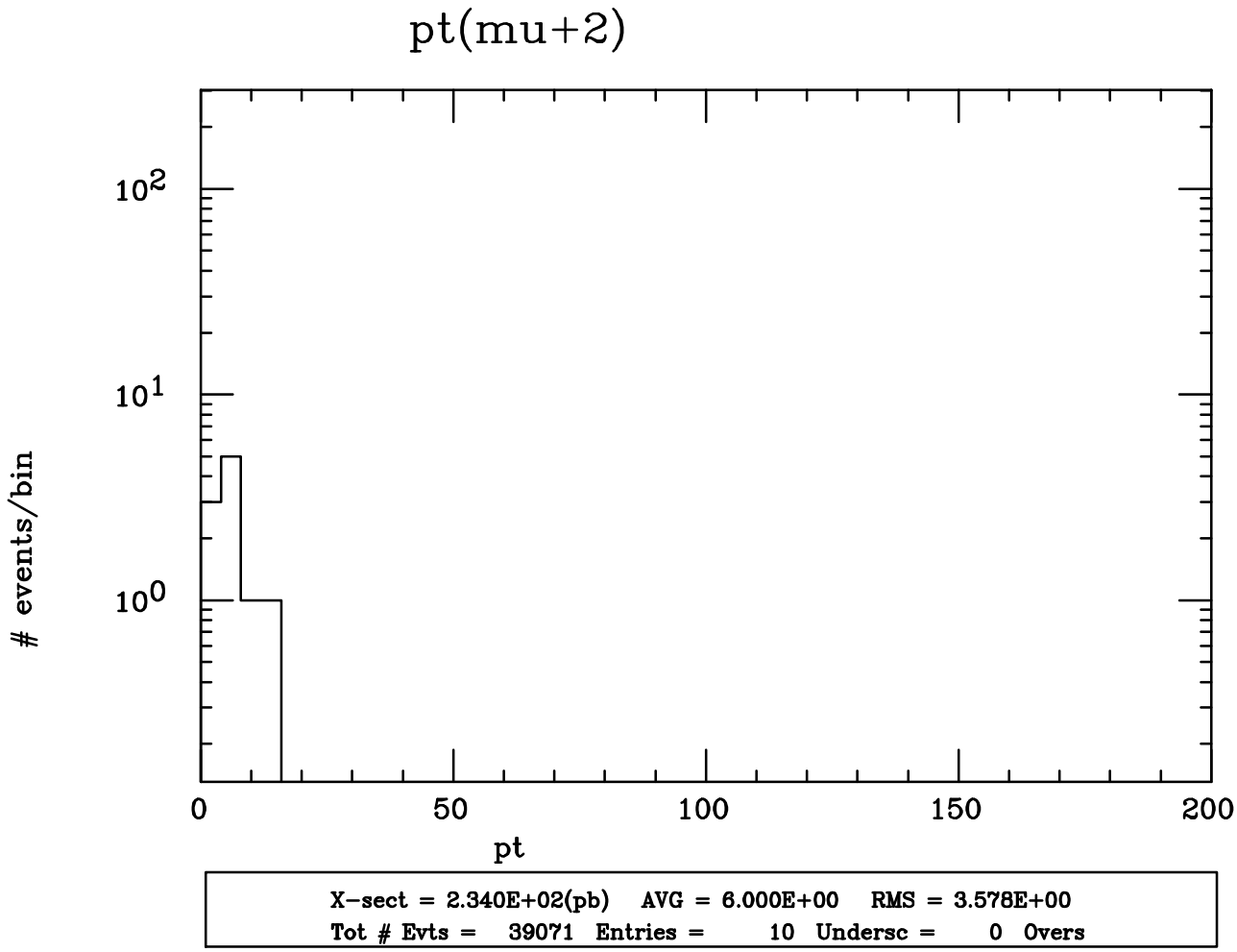

pt(a1)
# events/bin
10^2
10^1
10^0
0
50
100
150
200
pt
X-sect = 2.340E+02(pb) AVG = 1.451E+01 RMS = 9.937E+00
Tot # Evts = 39071 Entries = 668 Undersc = 0 Overs

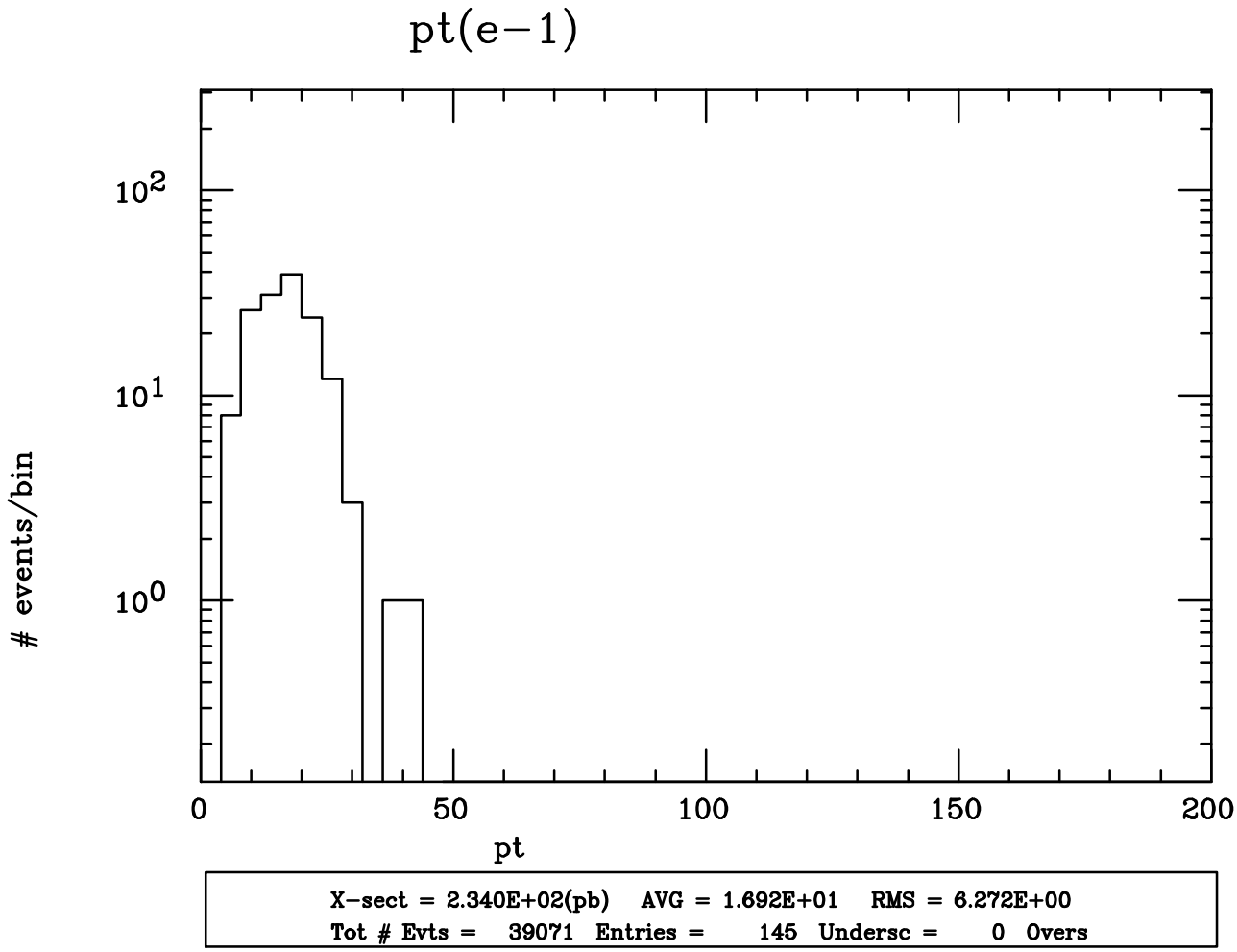

pt(a2)
# events/bin
10^2
10^1
10^0
0
50
100
150
200
pt
X-sect = 2.340E+02(pb) AVG = 9.000E+00 RMS = 3.317E+00
Tot # Evts = 39071 Entries = 4 Undersc = 0 Overs

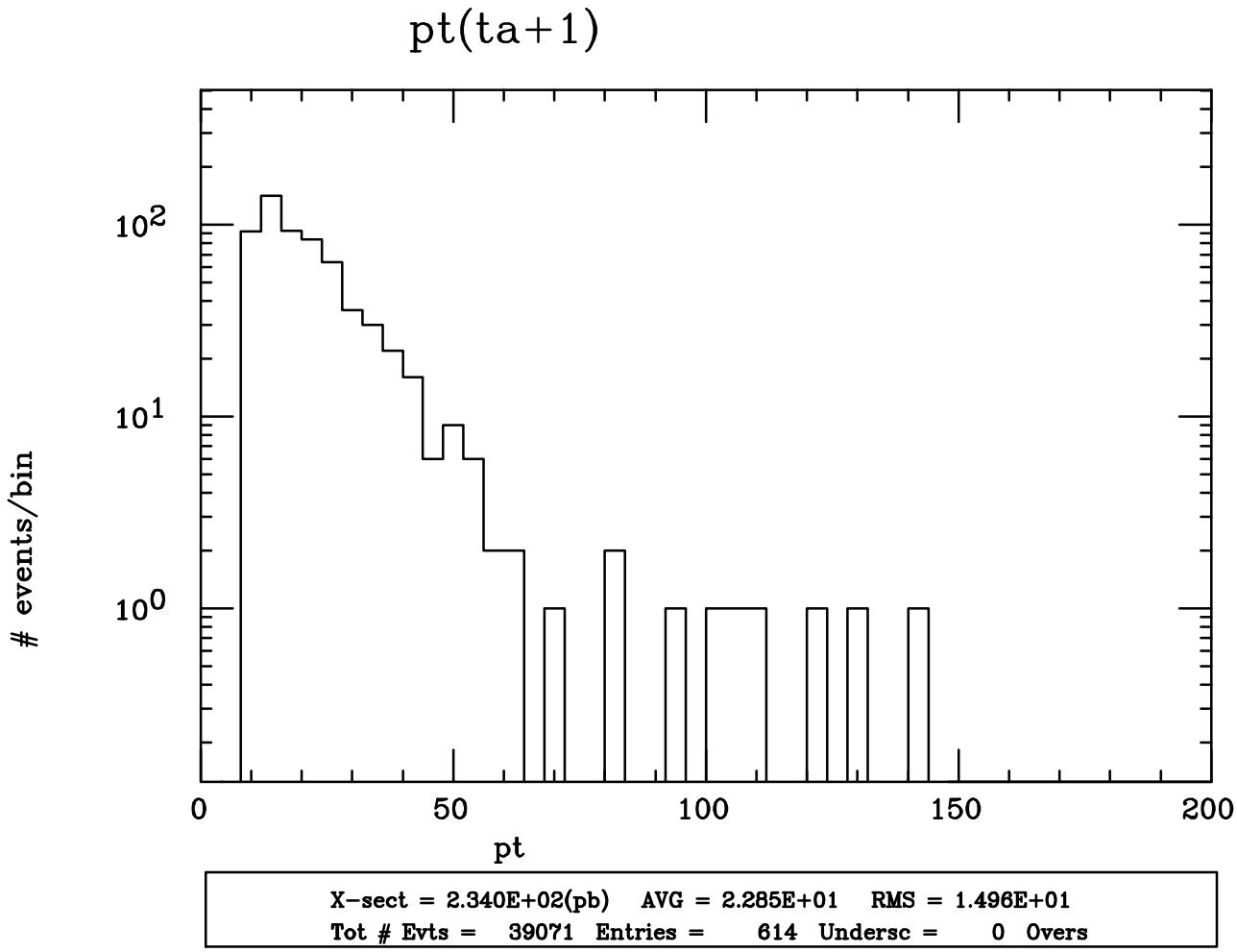

pt(mu−1)
# events/bin
10^4
10^3
10^2
10^1
10^0
0
50
100
150
200
pt
X−sect = 2.340E+02(pb) AVG = 3.590E+01 RMS = 1.233E+01
Tot # Evts = 39071 Entries = 30422 Undersc = 0 Overs

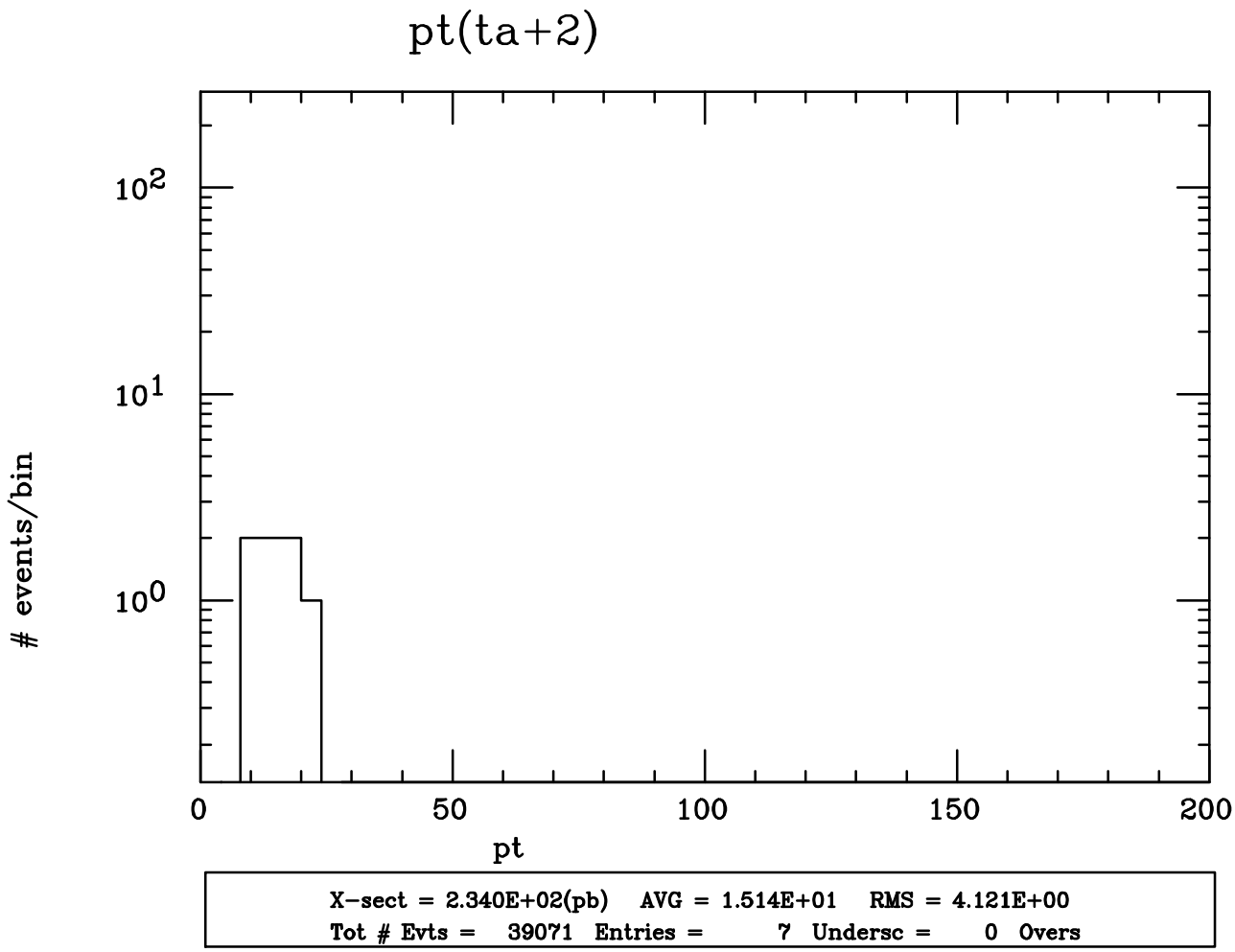

pt(mu−2)
# events/bin
10^2
10^1
10^0
0
50
100
150
200
pt
X−sect = 2.340E+02(pb) AVG = 7.000E+00 RMS = 3.873E+00
Tot # Evts = 39071 Entries = 16 Undersc = 0 Overs

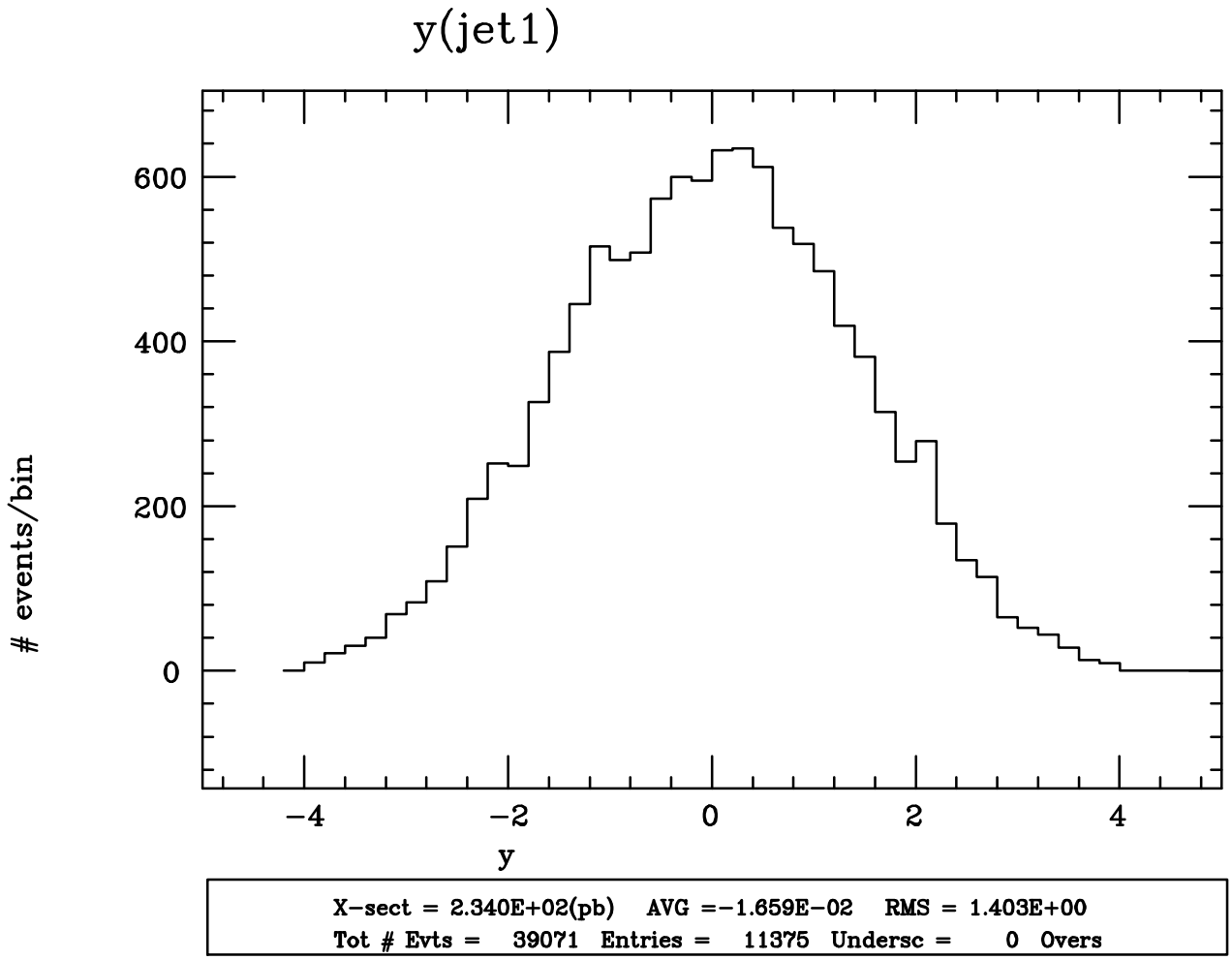

pt(mu+1)
# events/bin
10^4
10^3
10^2
10^1
10^0
10^{-1}
0
50
100
150
200
pt
X-sect = 2.340E+02(pb) AVG = 3.576E+01 RMS = 1.231E+01
Tot # Evts = 39071 Entries = 30467 Undersc = 0 Overs

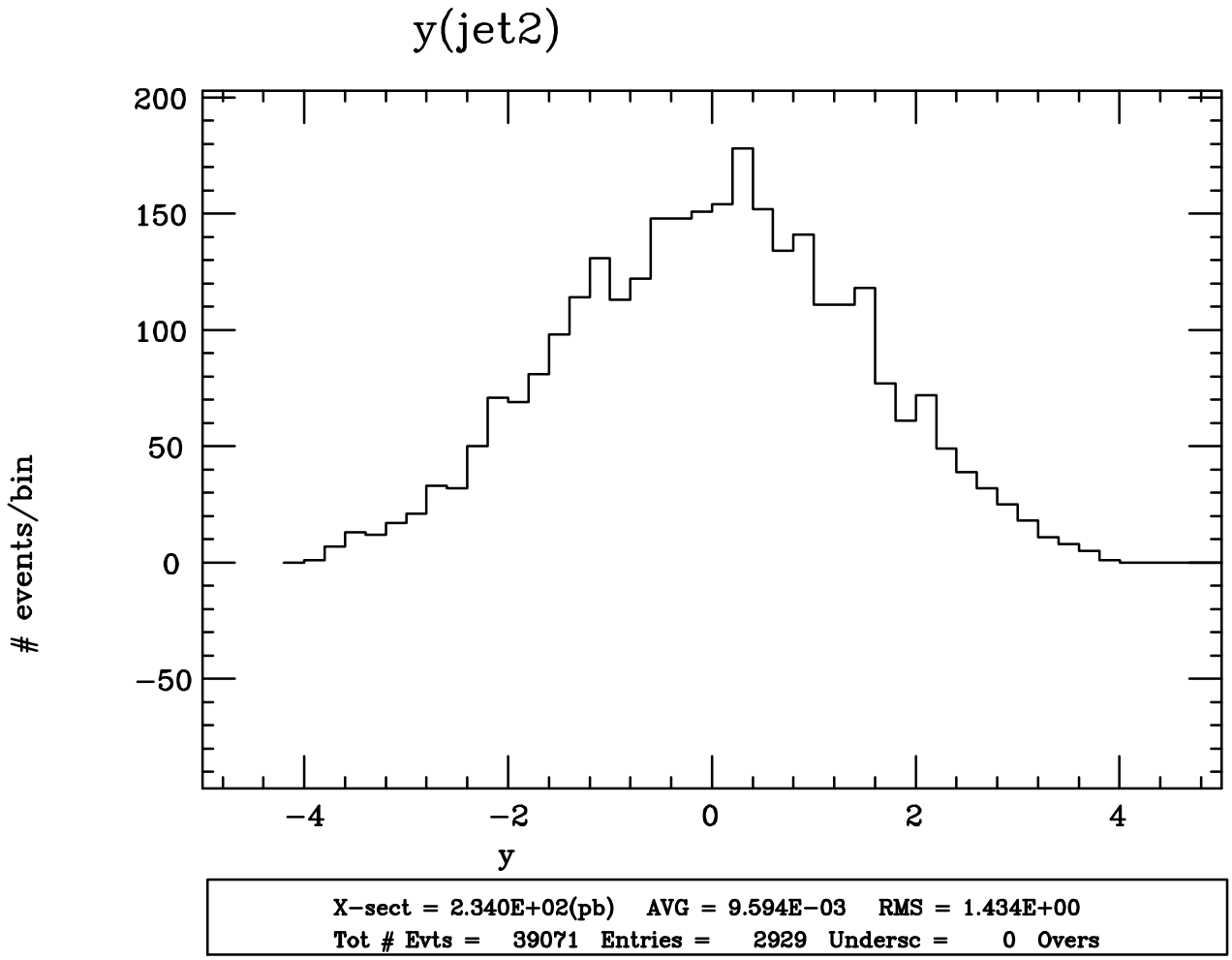

pt(mu+2)
# events/bin
10^2
10^1
10^0
0
50
100
150
200
pt
X-sect = 2.340E+02(pb) AVG = 6.000E+00 RMS = 3.578E+00
Tot # Evts = 39071 Entries = 10 Undersc = 0 Overs

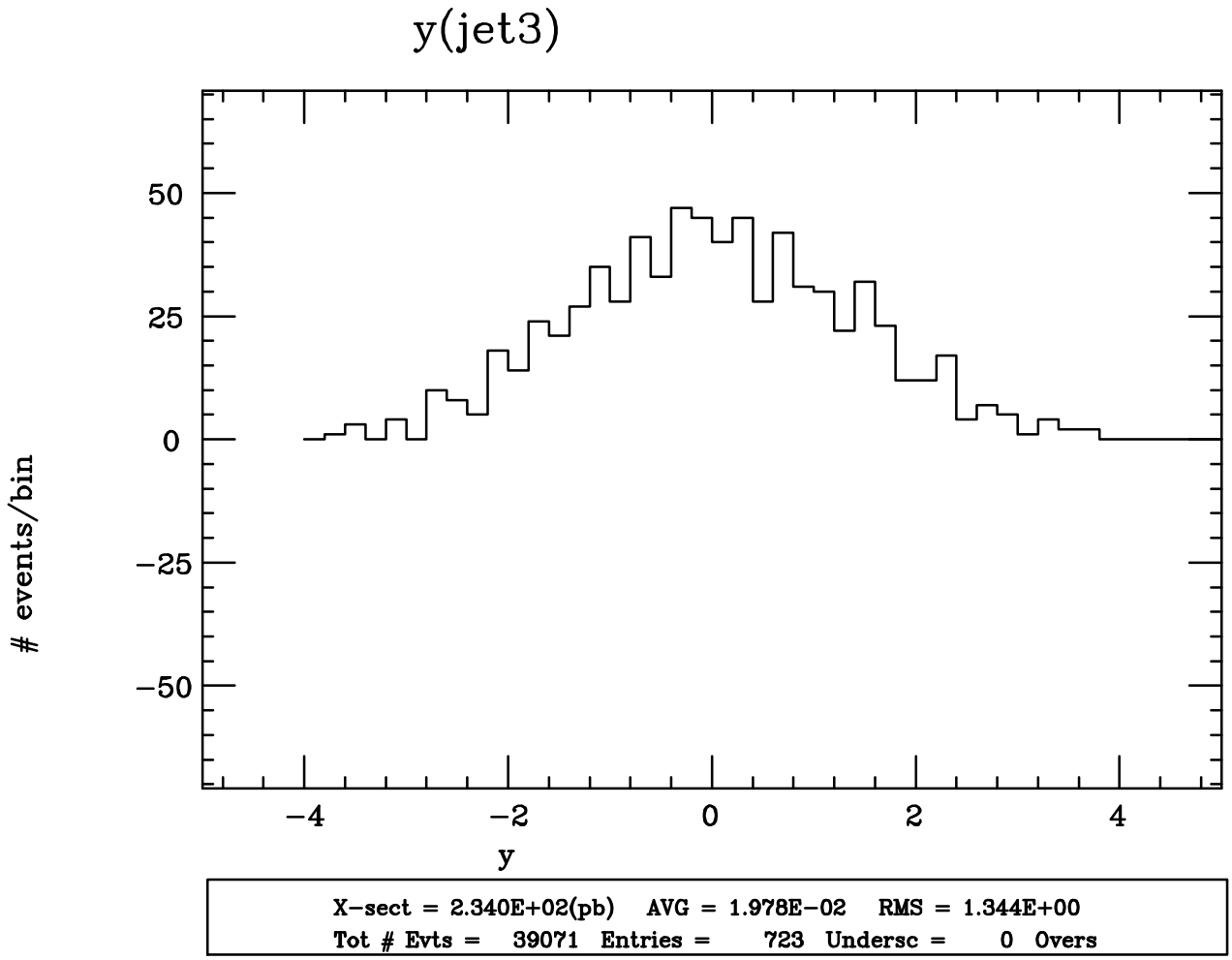

pt(e−1)
# events/bin
10^2
10^1
10^0
0
50
100
150
200
pt
X−sect = 2.340E+02(pb) AVG = 1.692E+01 RMS = 6.272E+00
Tot # Evts = 39071 Entries = 145 Undersc = 0 Overs

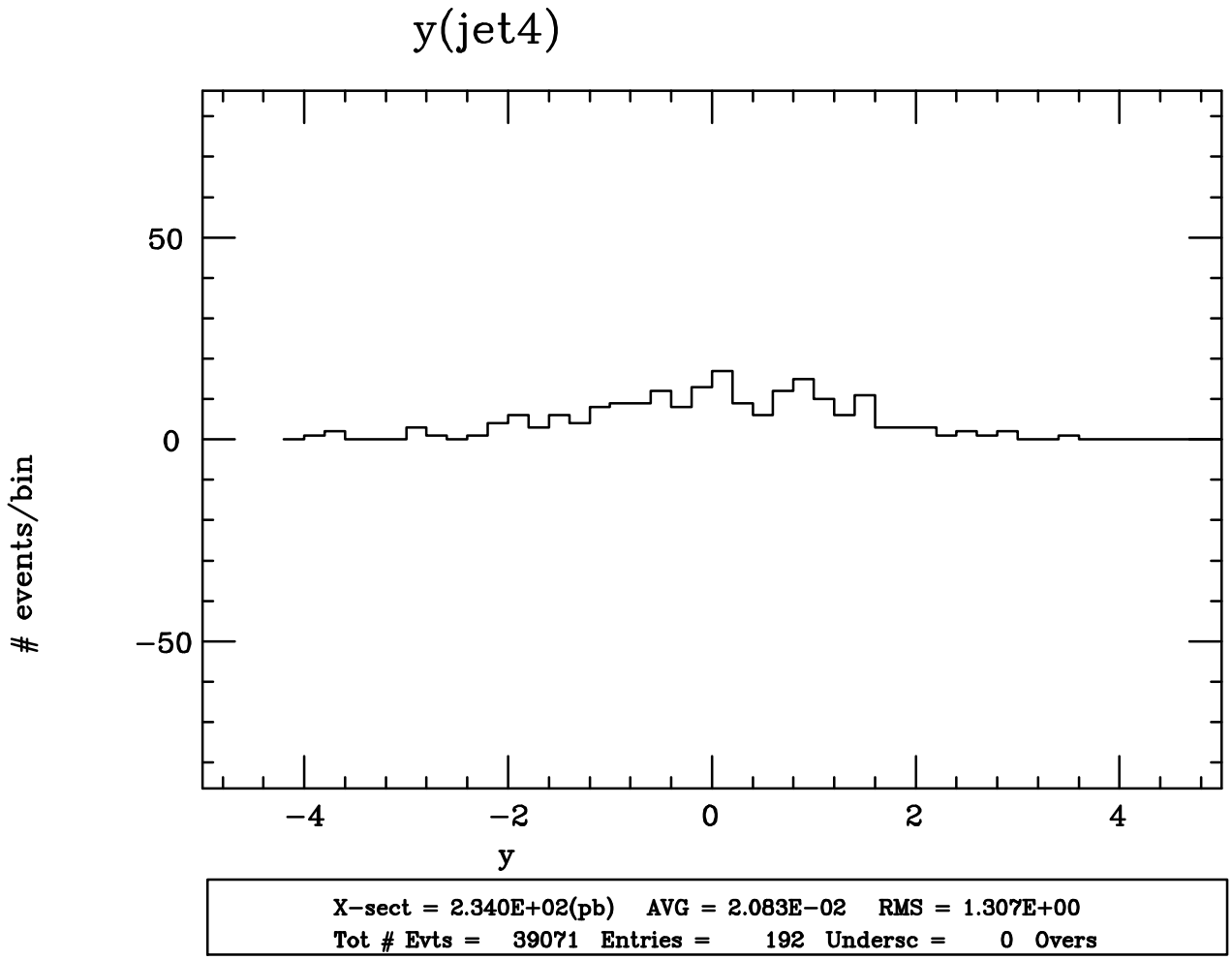

pt(ta+1)
# events/bin
10^2
10^1
10^0
0
50
100
150
200
pt
X-sect = 2.340E+02(pb) AVG = 2.285E+01 RMS = 1.496E+01
Tot # Evts = 39071 Entries = 614 Undersc = 0 Overs

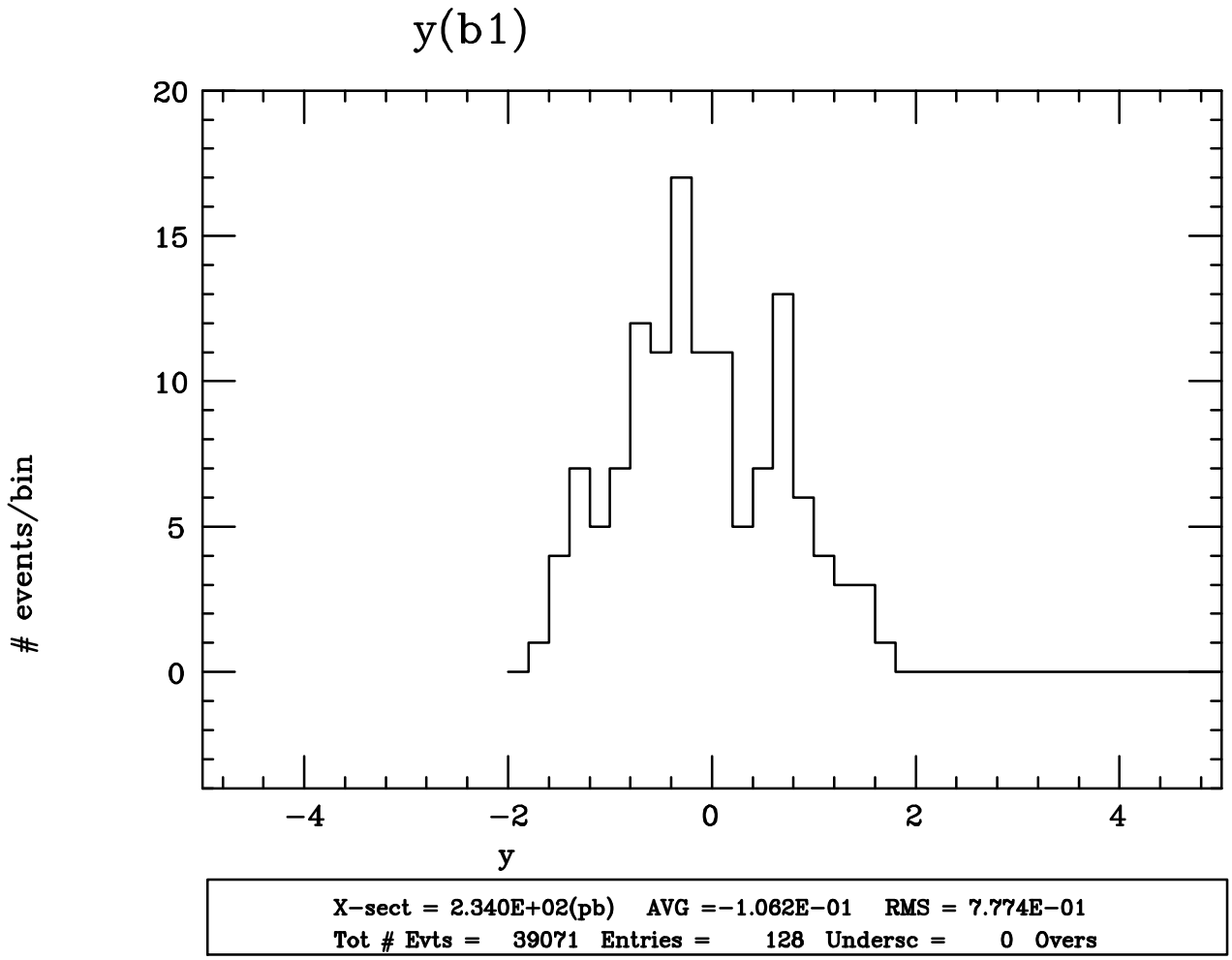

pt(ta+2)
# events/bin
10^2
10^1
10^0
0
50
100
150
200
pt
X-sect = 2.340E+02(pb) AVG = 1.514E+01 RMS = 4.121E+00
Tot # Evts = 39071 Entries = 7 Undersc = 0 Overs

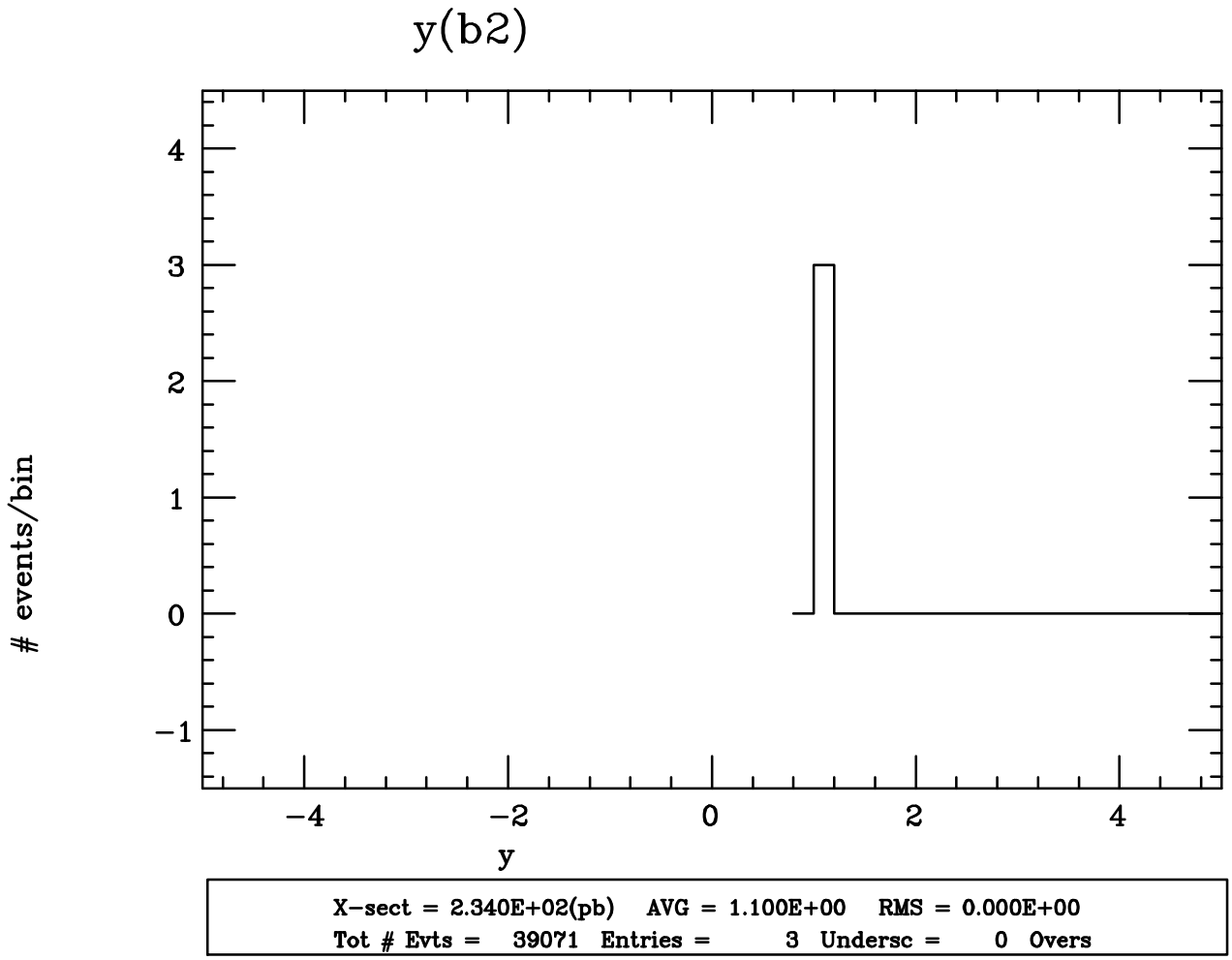

y(jet1)
# events/bin
600
400
200
0
−4
−2
0
2
4
y
X−sect = 2.340E+02(pb) AVG =−1.659E−02 RMS = 1.403E+00
Tot # Evts = 39071 Entries = 11375 Undersc = 0 Overs

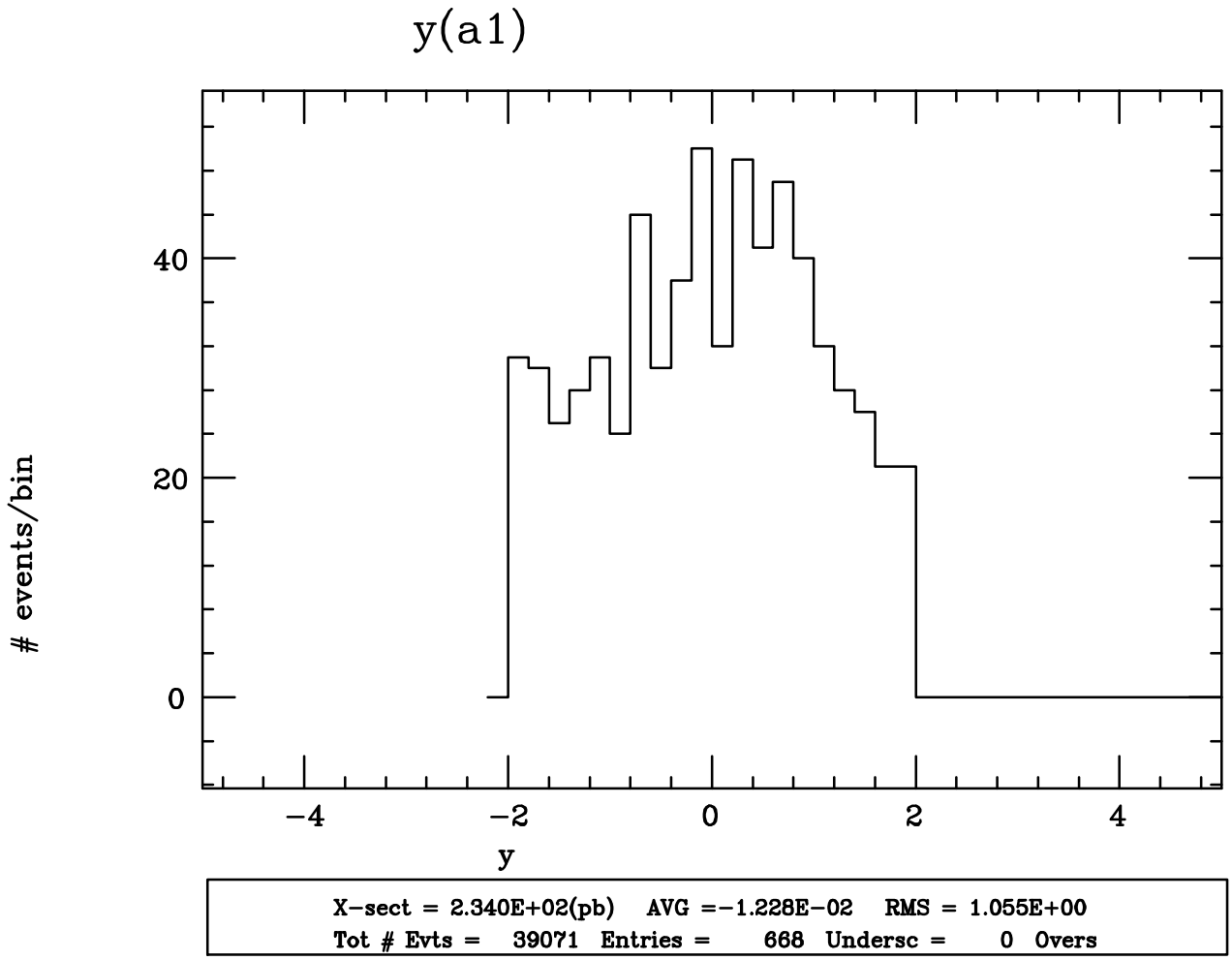

y(jet2)
200
150
100
50
0
−50
events/bin
−4
−2
0
2
4
y
X−sect = 2.340E+02(pb) AVG = 9.594E−03 RMS = 1.434E+00
Tot # Evts = 39071 Entries = 2929 Undersc = 0 Overs

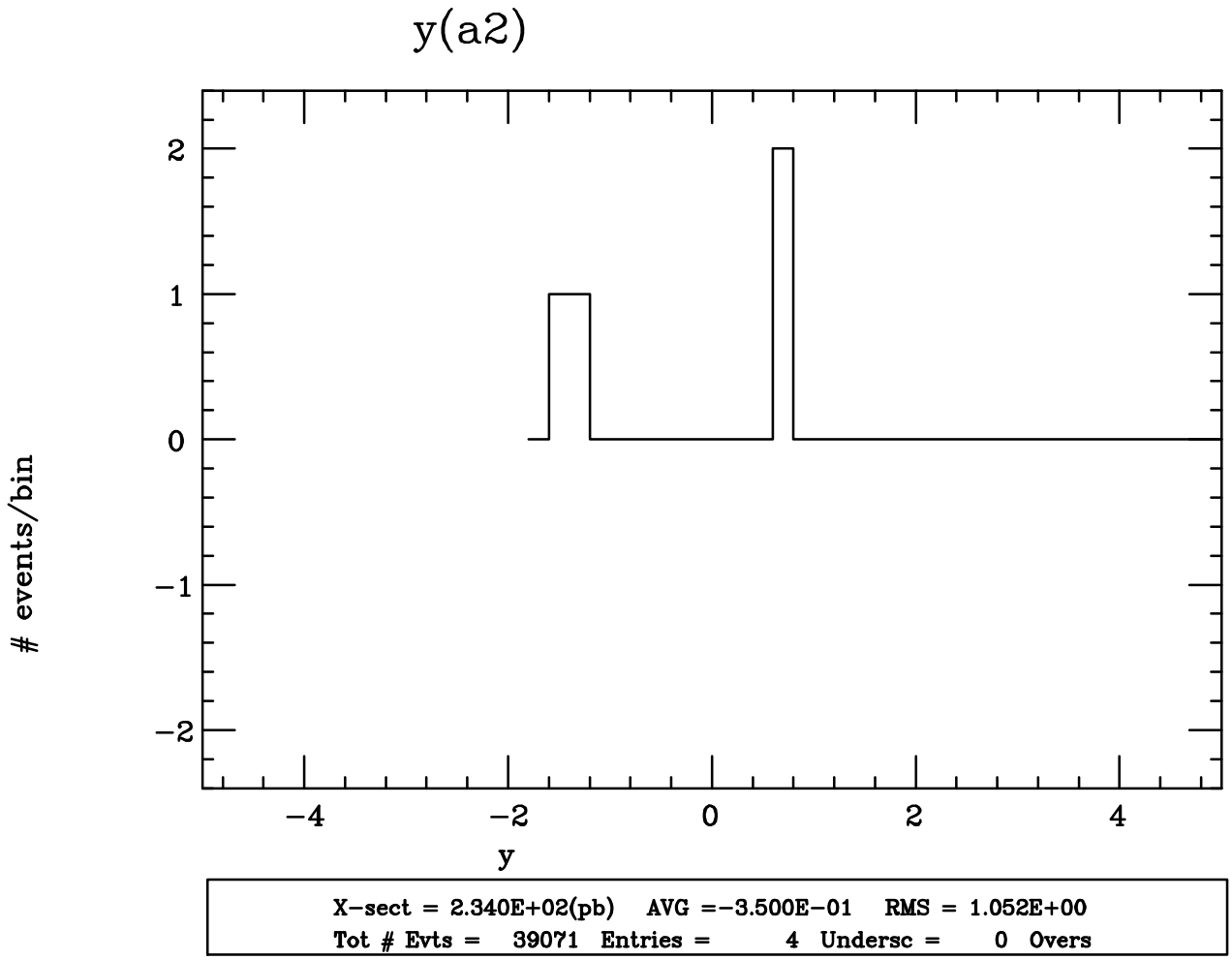

y(jet3)
# events/bin
50
25
0
−25
−50
−4
−2
0
2
4
y
X−sect = 2.340E+02(pb) AVG = 1.978E−02 RMS = 1.344E+00
Tot # Evts = 39071 Entries = 723 Undersc = 0 Overs

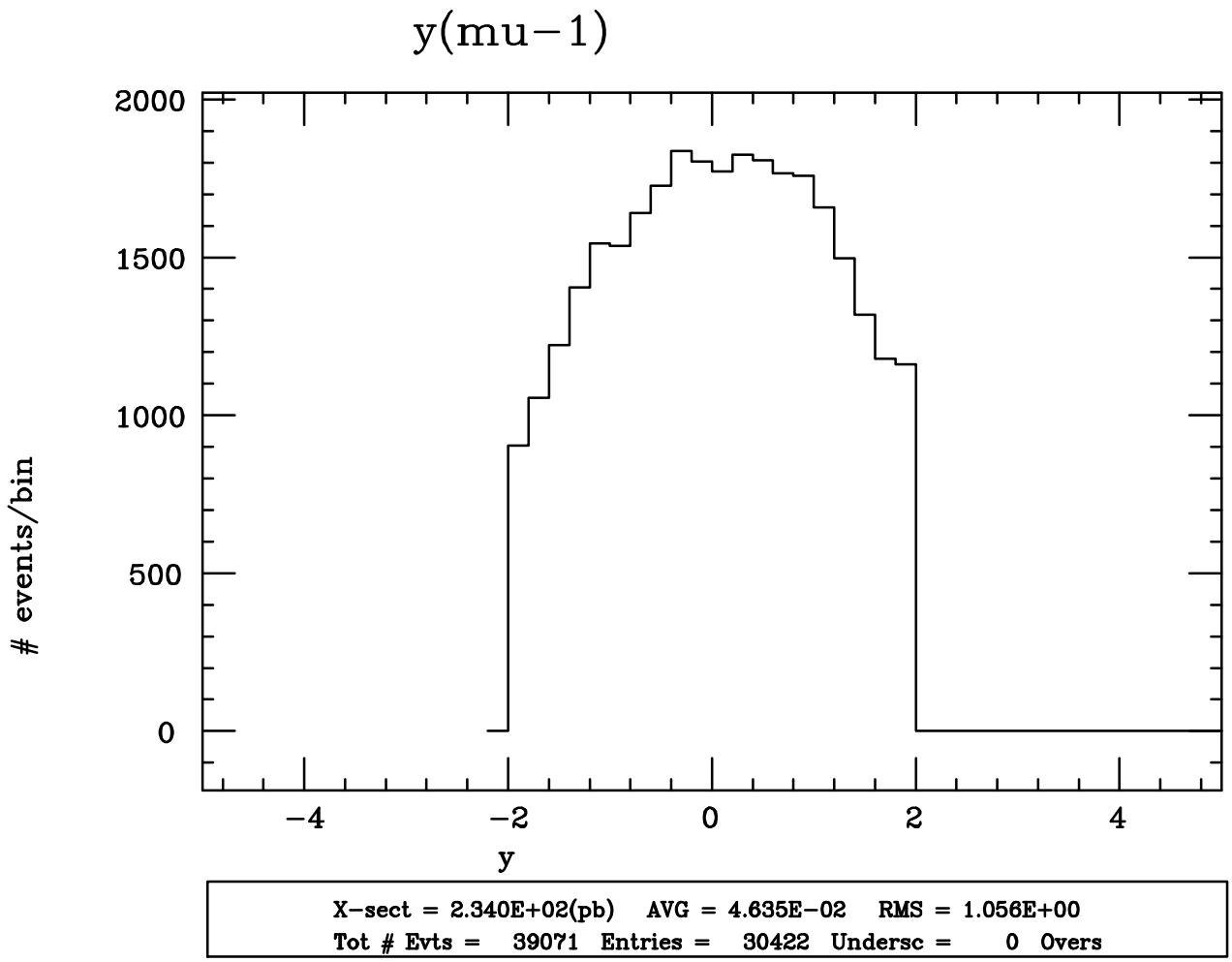

y(jet4)
50
0
−50
events/bin
−4
−2
0
2
4
y
X−sect = 2.340E+02(pb) AVG = 2.083E−02 RMS = 1.307E+00
Tot # Evts = 39071 Entries = 192 Undersc = 0 Overs

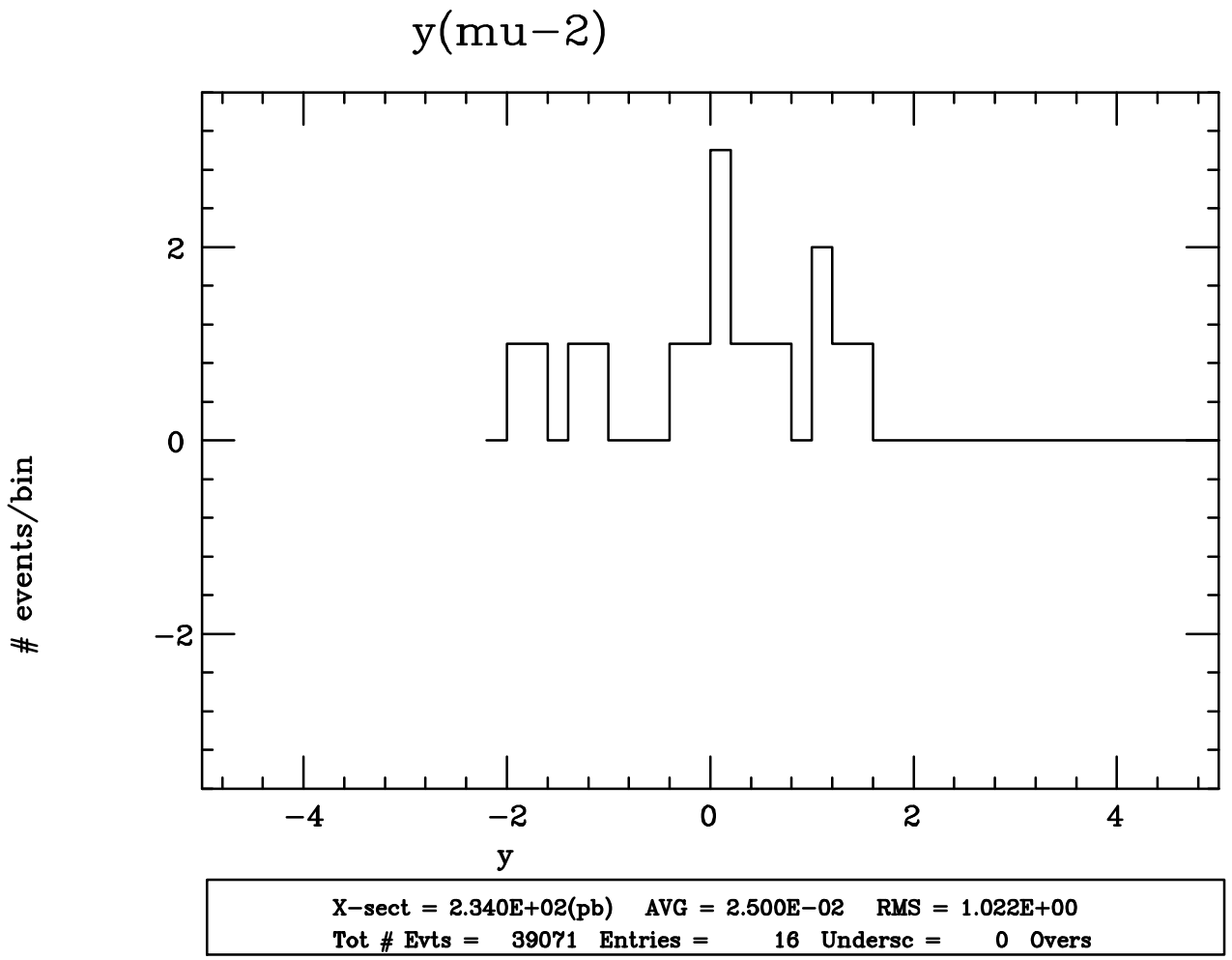

y(b1)
# events/bin
20
15
10
5
0
−4
−2
0
2
4
y
X−sect = 2.340E+02(pb) AVG =−1.062E−01 RMS = 7.774E−01
Tot # Evts = 39071 Entries = 128 Undersc = 0 Overs

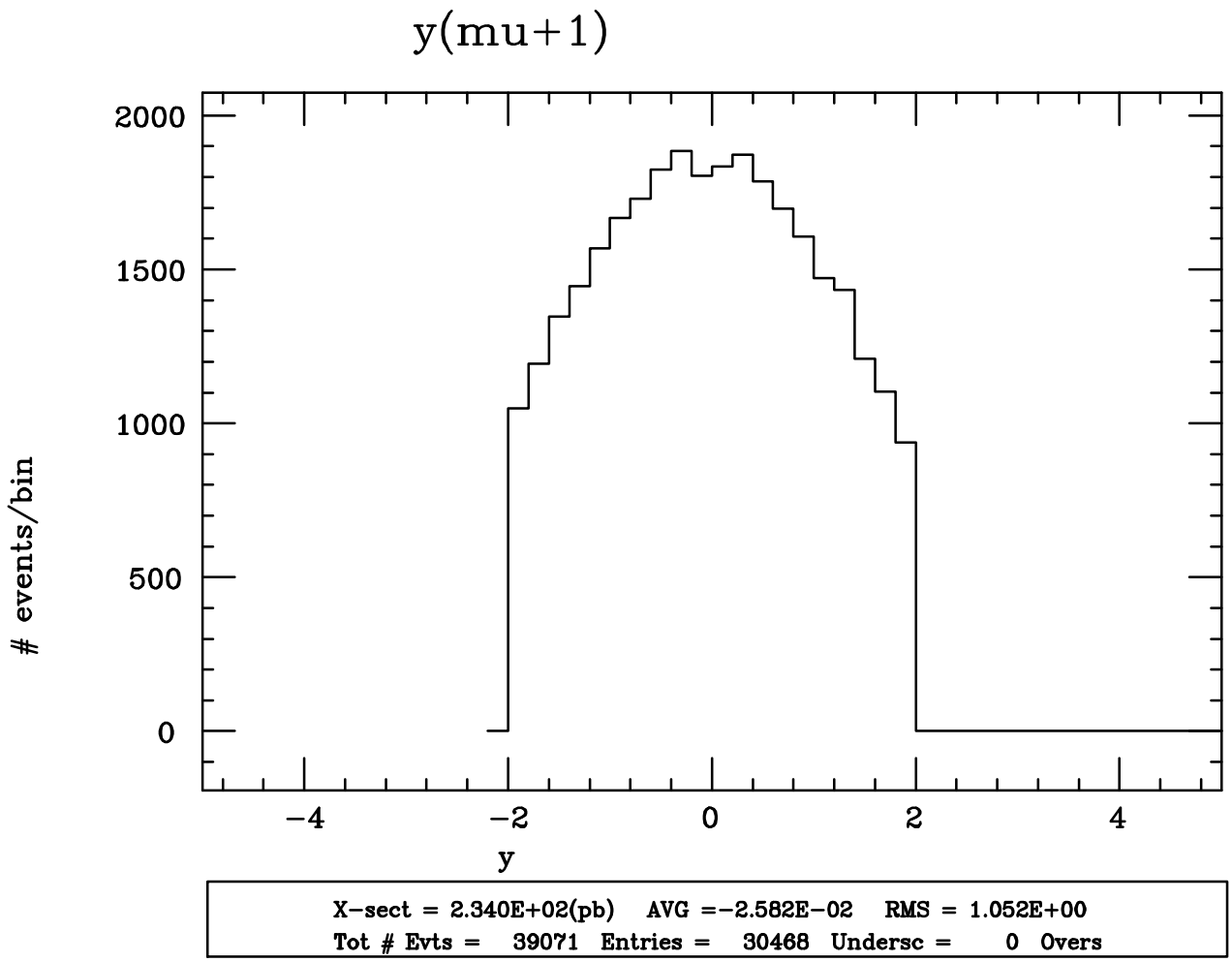

y(b2)
# events/bin
4
3
2
1
0
−1
−4
−2
0
2
4
y
X−sect = 2.340E+02(pb) AVG = 1.100E+00 RMS = 0.000E+00
Tot # Evts = 39071 Entries = 3 Undersc = 0 Overs

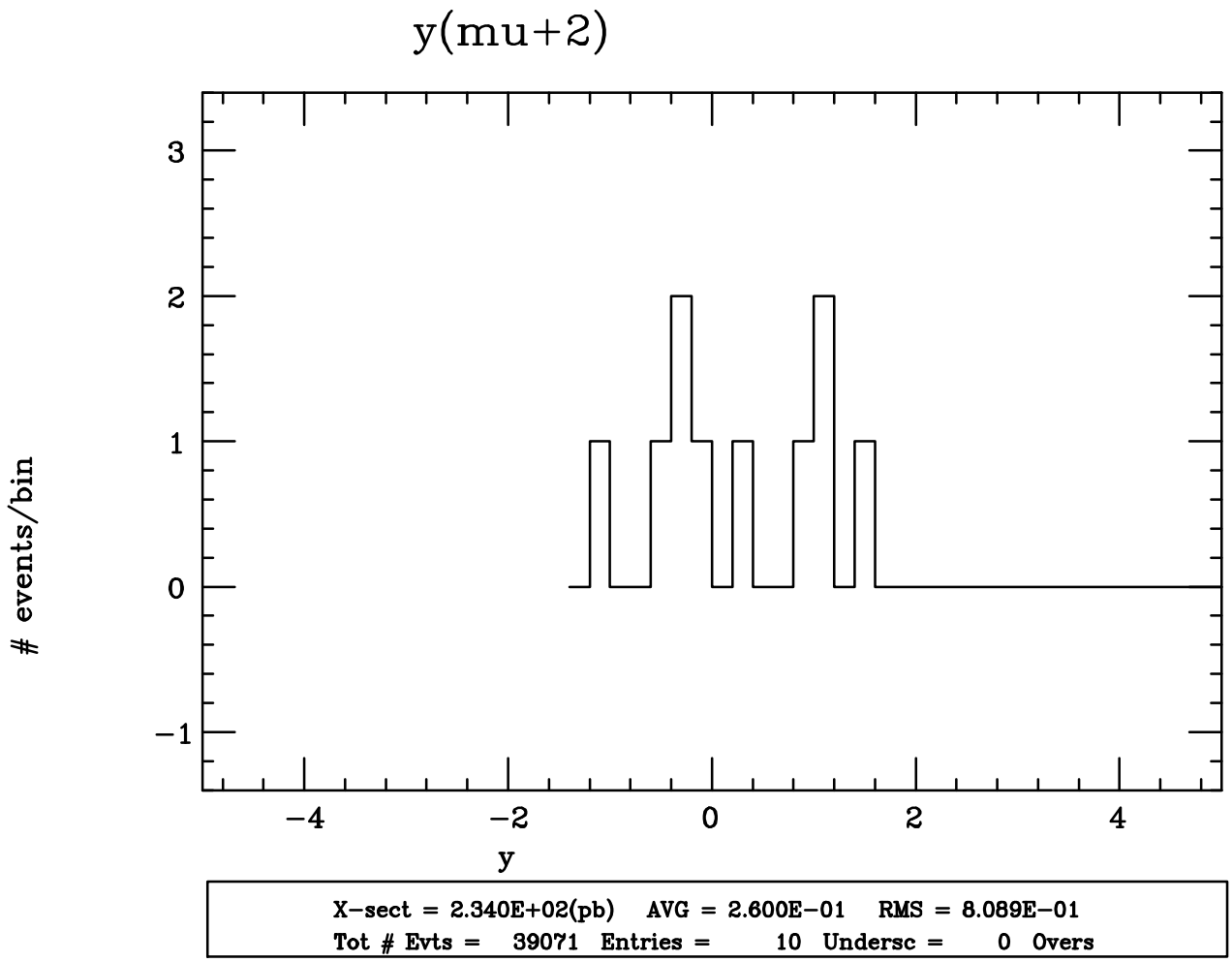

y(a1)
# events/bin
40
20
0
−4
−2
0
2
4
y
X−sect = 2.340E+02(pb) AVG =−1.228E−02 RMS = 1.055E+00
Tot # Evts = 39071 Entries = 668 Undersc = 0 Overs

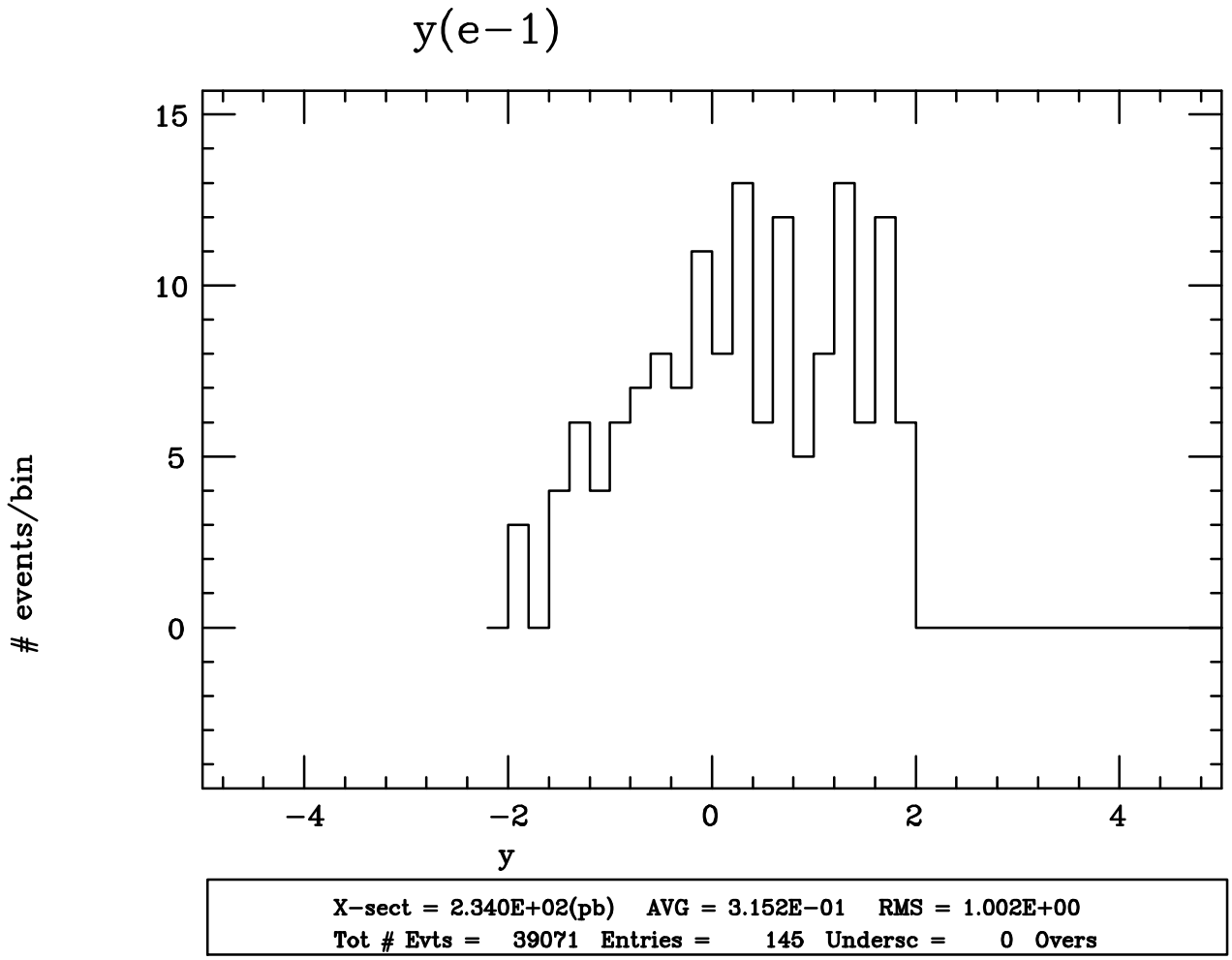

y(a2)
# events/bin
2
1
0
−1
−2
−4
−2
0
2
4
y
X−sect = 2.340E+02(pb) AVG =−3.500E−01 RMS = 1.052E+00
Tot # Evts = 39071 Entries = 4 Undersc = 0 Overs

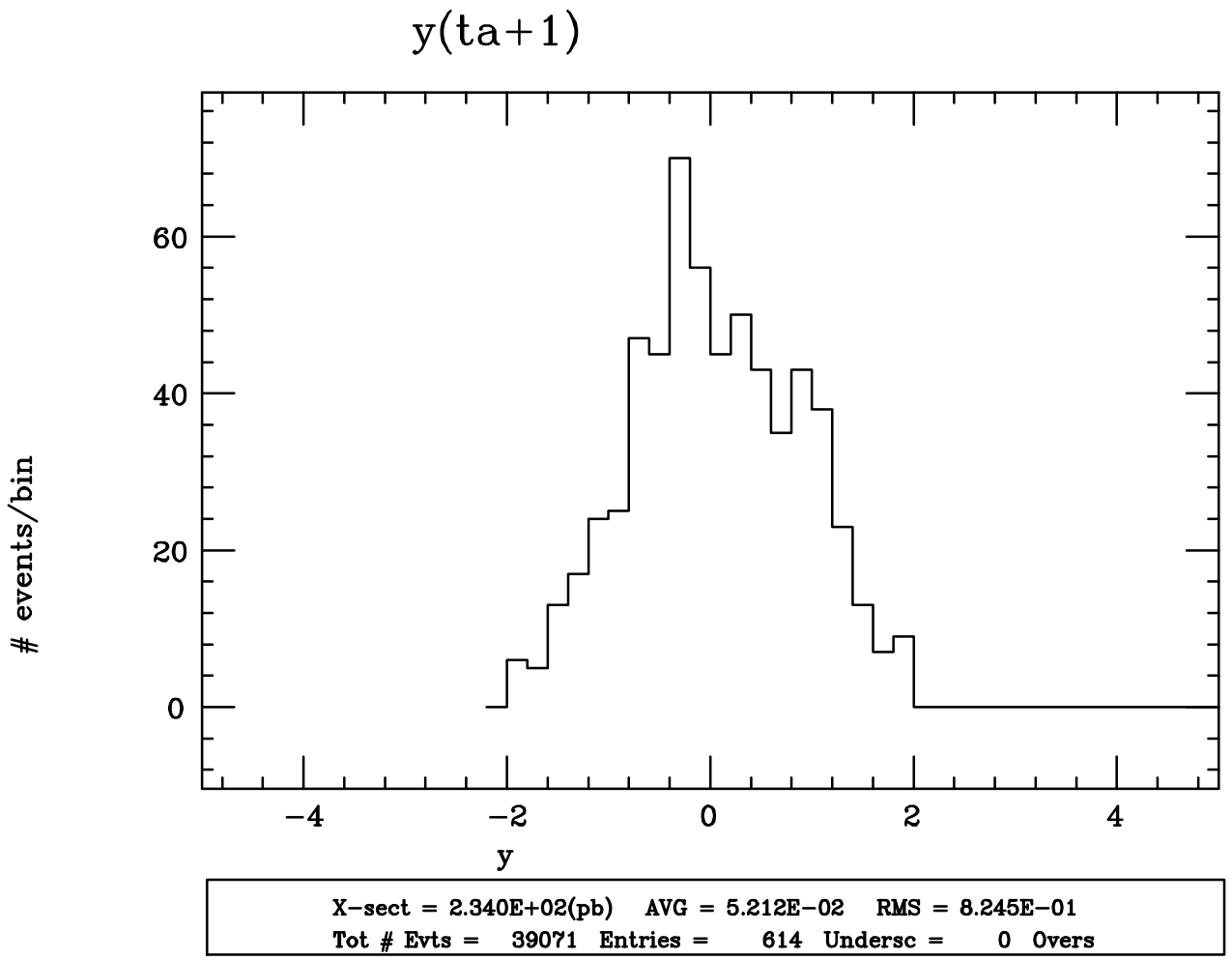

y(mu−1)
2000
1500
1000
500
0
events/bin
−4
−2
0
2
4
y
X−sect = 2.340E+02(pb) AVG = 4.635E−02 RMS = 1.056E+00
Tot # Evts = 39071 Entries = 30422 Undersc = 0 Overs

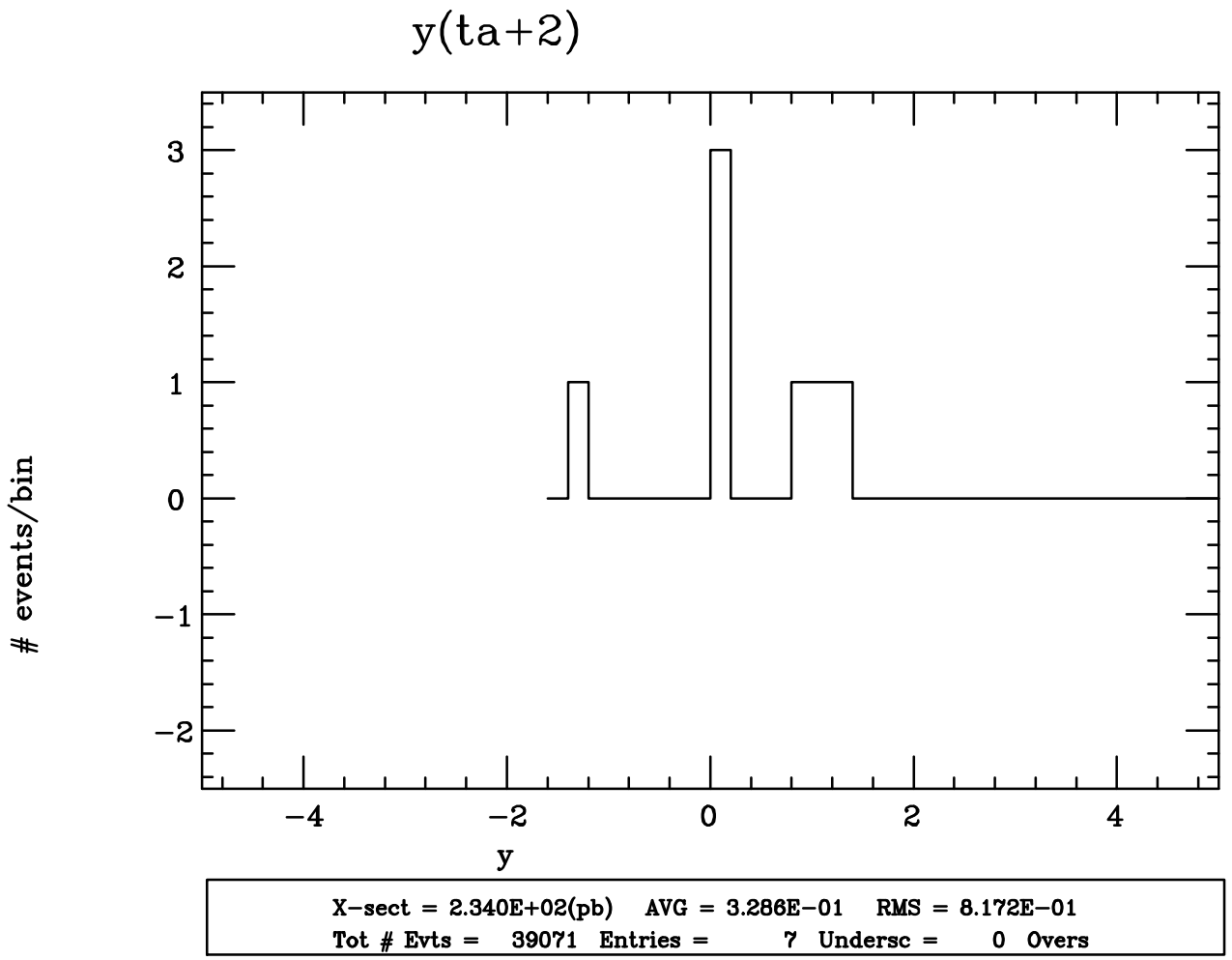

y(mu−2)
# events/bin
2
0
−2
−4
−2
0
2
4
y
X−sect = 2.340E+02(pb) AVG = 2.500E−02 RMS = 1.022E+00
Tot # Evts = 39071 Entries = 16 Undersc = 0 Overs

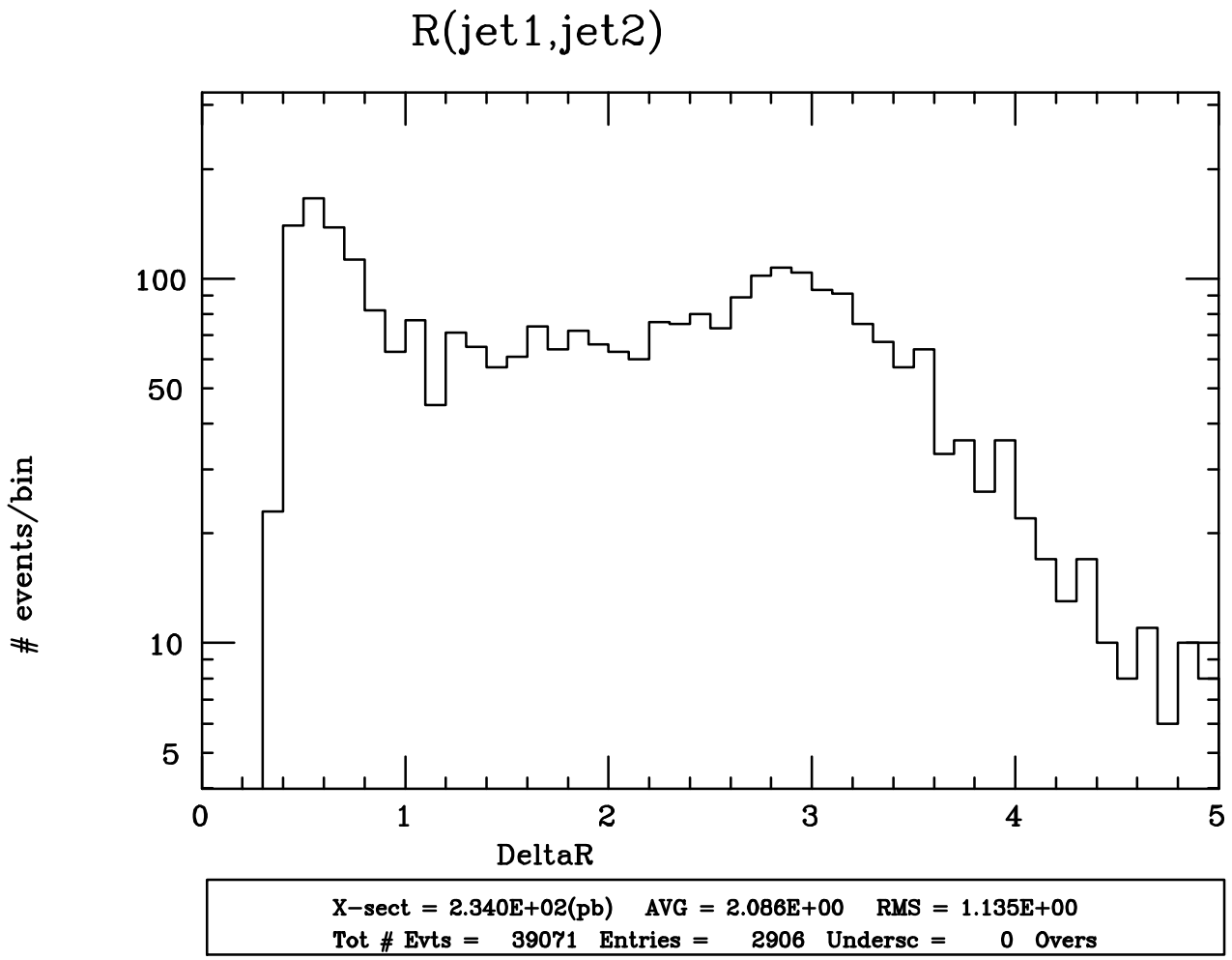

y(mu+1)
2000
1500
1000
500
0
events/bin
−4
−2
0
2
4
y
X−sect = 2.340E+02(pb) AVG =−2.582E−02 RMS = 1.052E+00
Tot # Evts = 39071 Entries = 30468 Undersc = 0 Overs

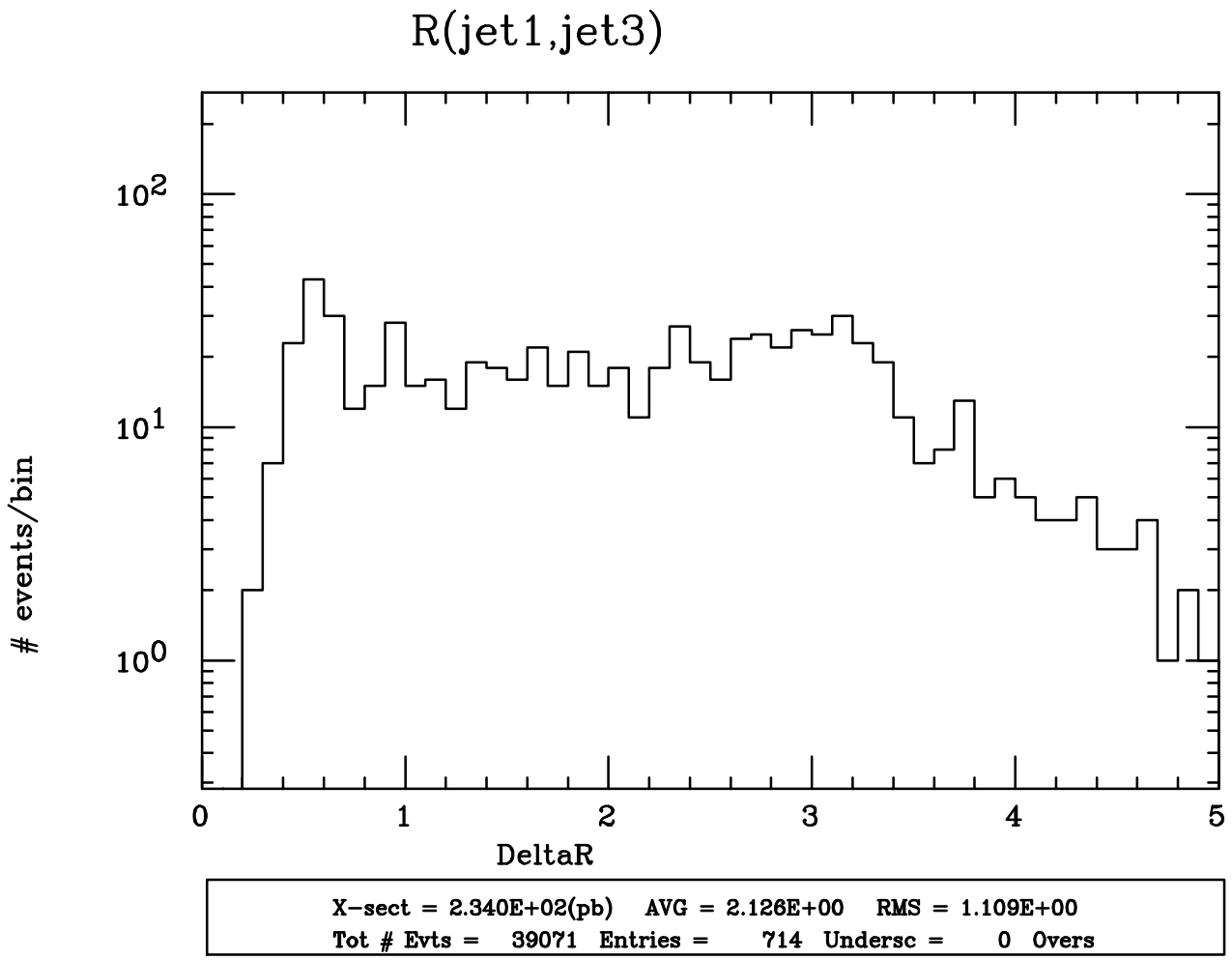

y(mu+2)
# events/bin
3
2
1
0
−1
−4
−2
0
2
4
y
X−sect = 2.340E+02(pb) AVG = 2.600E−01 RMS = 8.089E−01
Tot # Evts = 39071 Entries = 10 Undersc = 0 Overs

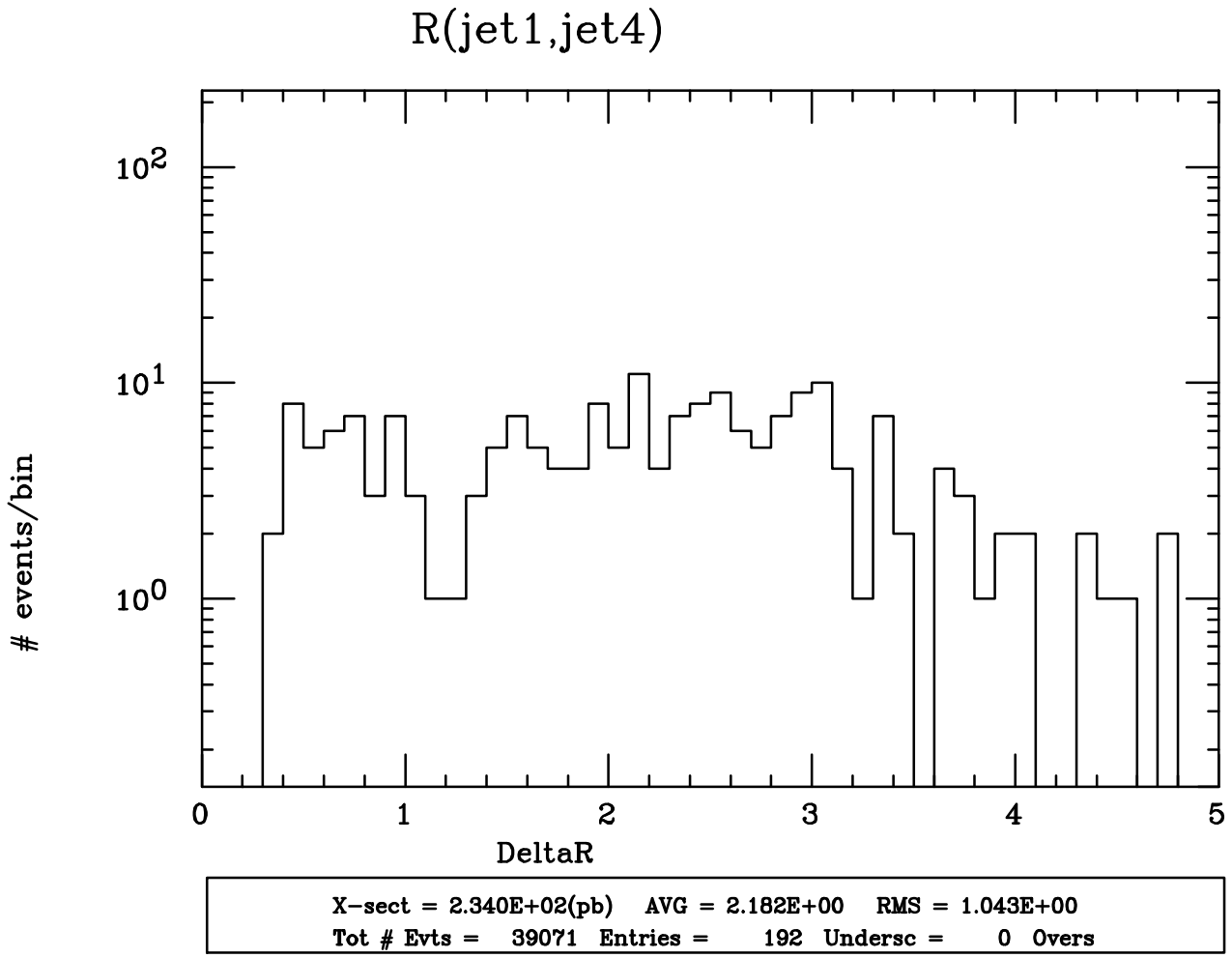

y(e−1)
15
10
5
0
events/bin
−4
−2
0
2
4
y
X−sect = 2.340E+02(pb) AVG = 3.152E−01 RMS = 1.002E+00
Tot # Evts = 39071 Entries = 145 Undersc = 0 Overs

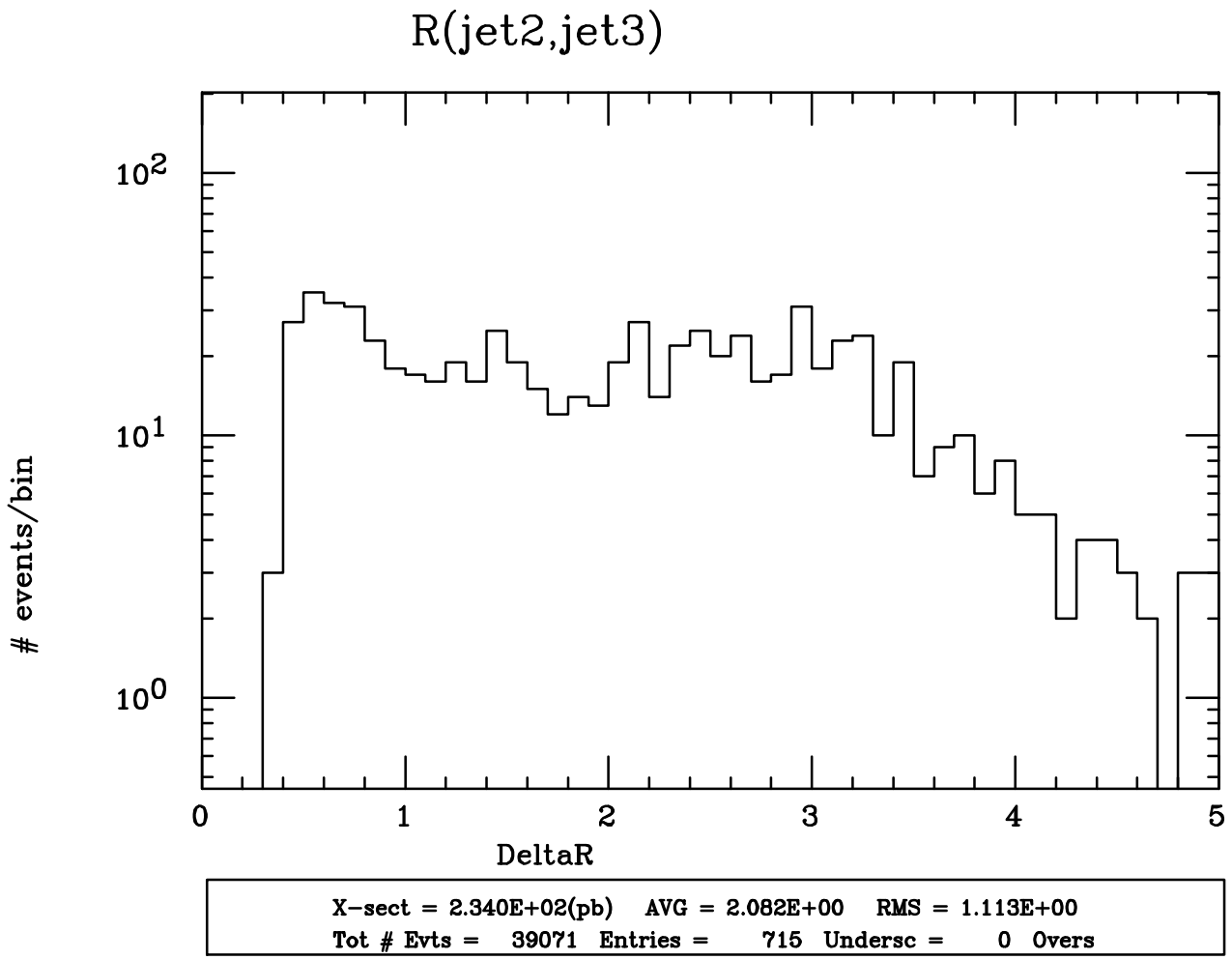

y(ta+1)
# events/bin
60
40
20
0
−4
−2
0
2
4
y
X−sect = 2.340E+02(pb) AVG = 5.212E−02 RMS = 8.245E−01
Tot # Evts = 39071 Entries = 614 Undersc = 0 Overs

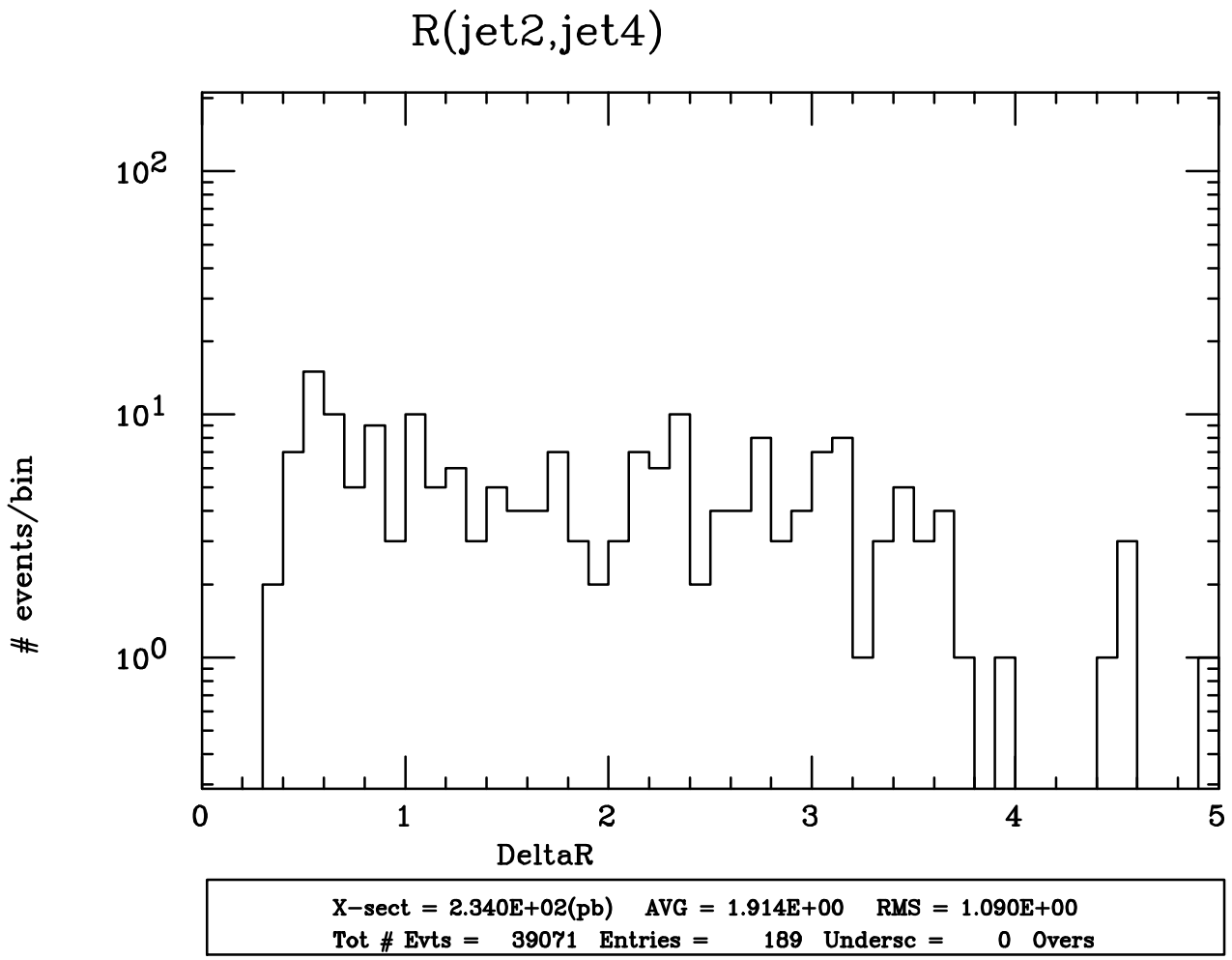

y(ta+2)
# events/bin
3
2
1
0
−1
−2
−4
−2
0
2
4
y
X−sect = 2.340E+02(pb) AVG = 3.286E−01 RMS = 8.172E−01
Tot # Evts = 39071 Entries = 7 Undersc = 0 Overs

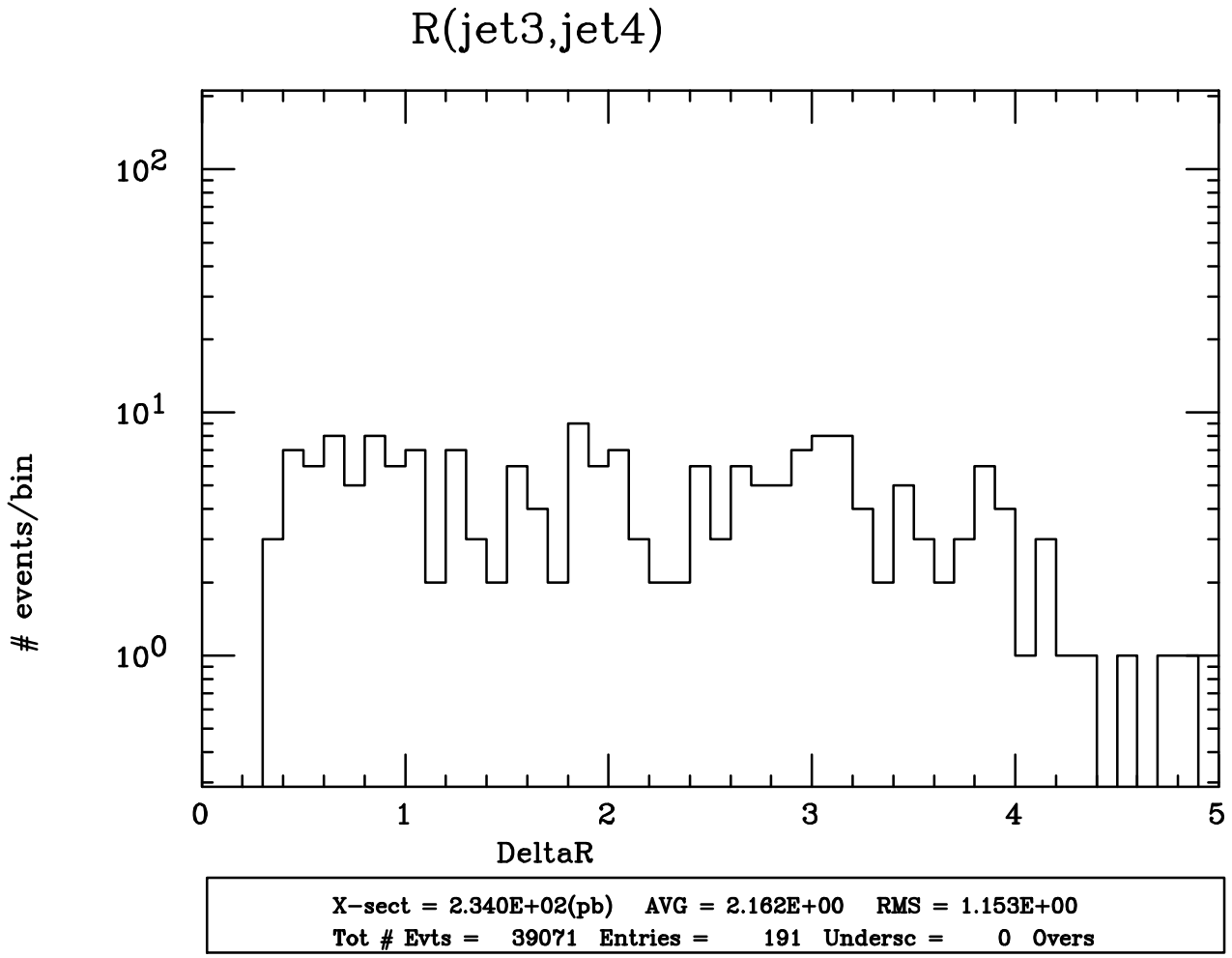

R(jet1,jet2)
# events/bin
100
50
10
5
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 2.086E+00 RMS = 1.135E+00
Tot # Evts = 39071 Entries = 2906 Undersc = 0 Overs

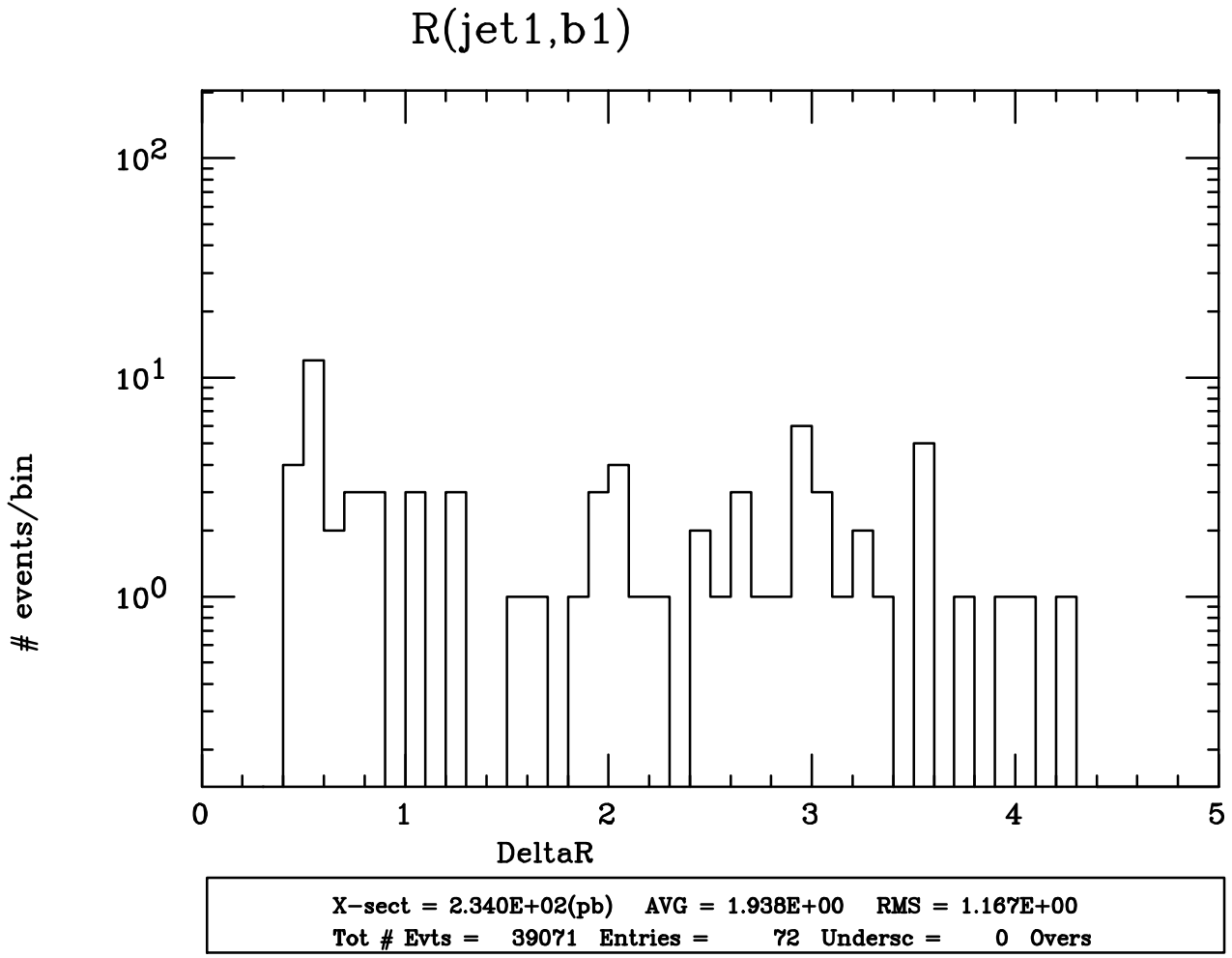

R(jet1,jet3)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 2.126E+00 RMS = 1.109E+00
Tot # Evts = 39071 Entries = 714 Undersc = 0 Overs

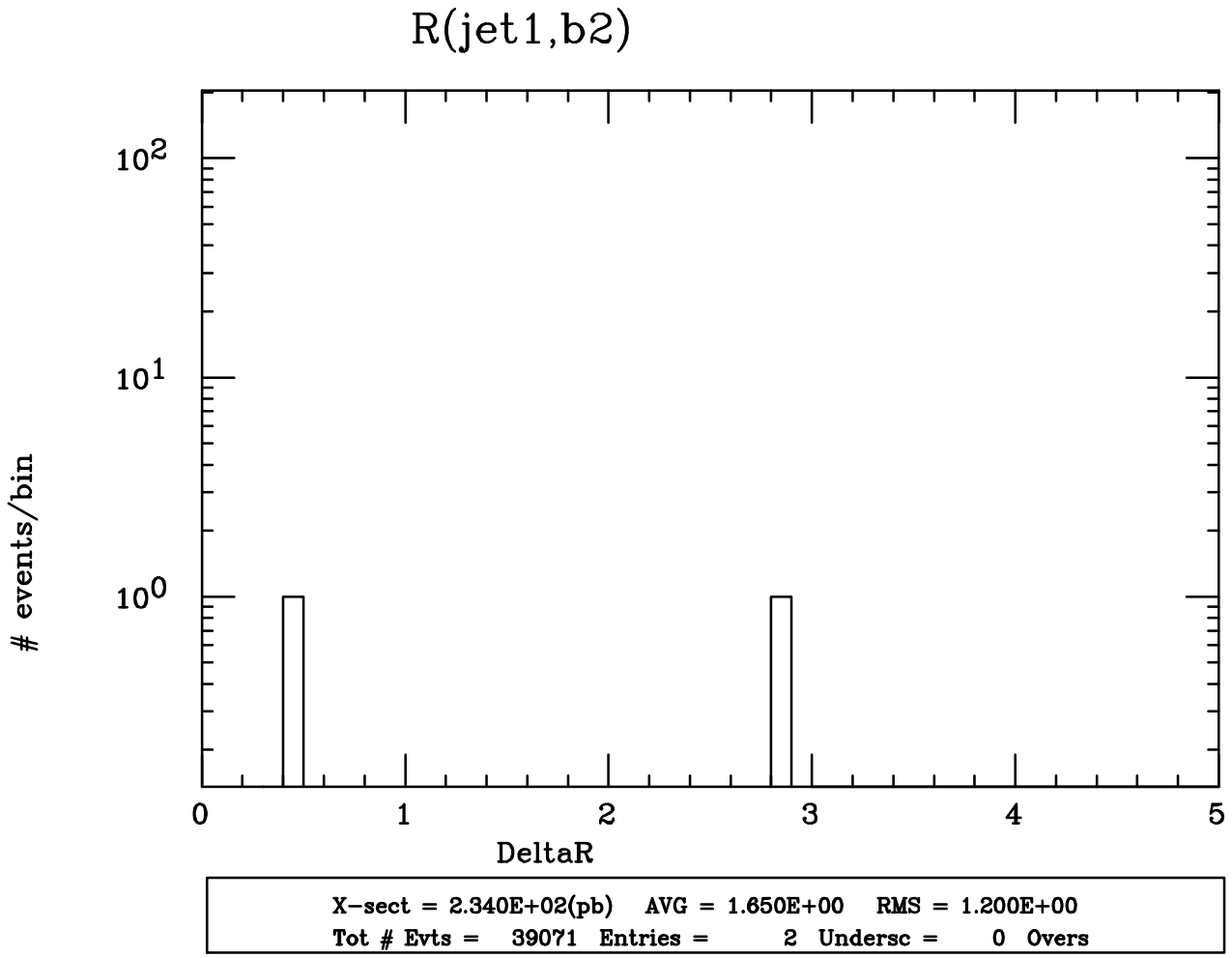

R(jet1,jet4)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 2.182E+00 RMS = 1.043E+00
Tot # Evts = 39071 Entries = 192 Undersc = 0 Overs

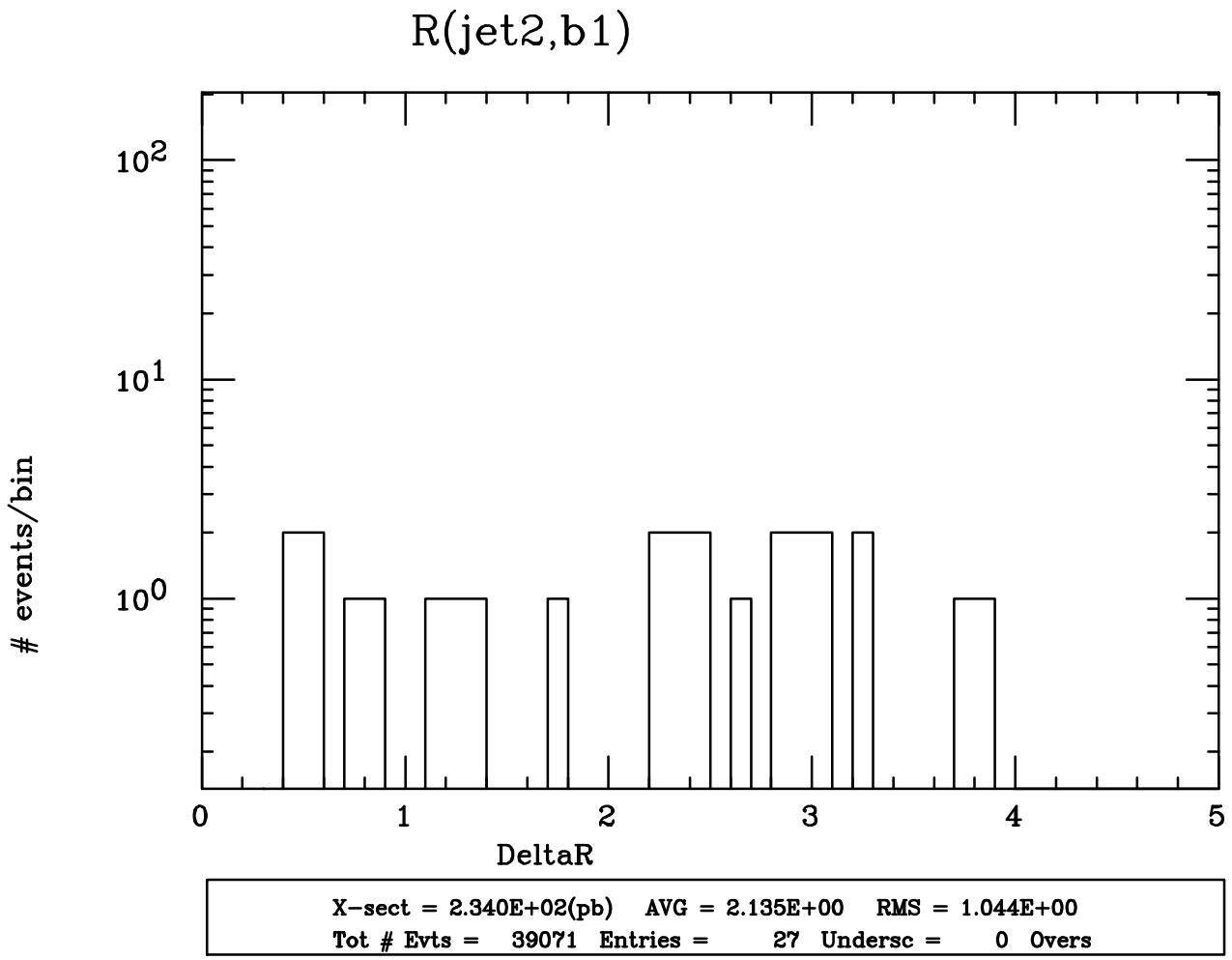

R(jet2,jet3)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 2.082E+00 RMS = 1.113E+00
Tot # Evts = 39071 Entries = 715 Undersc = 0 Overs

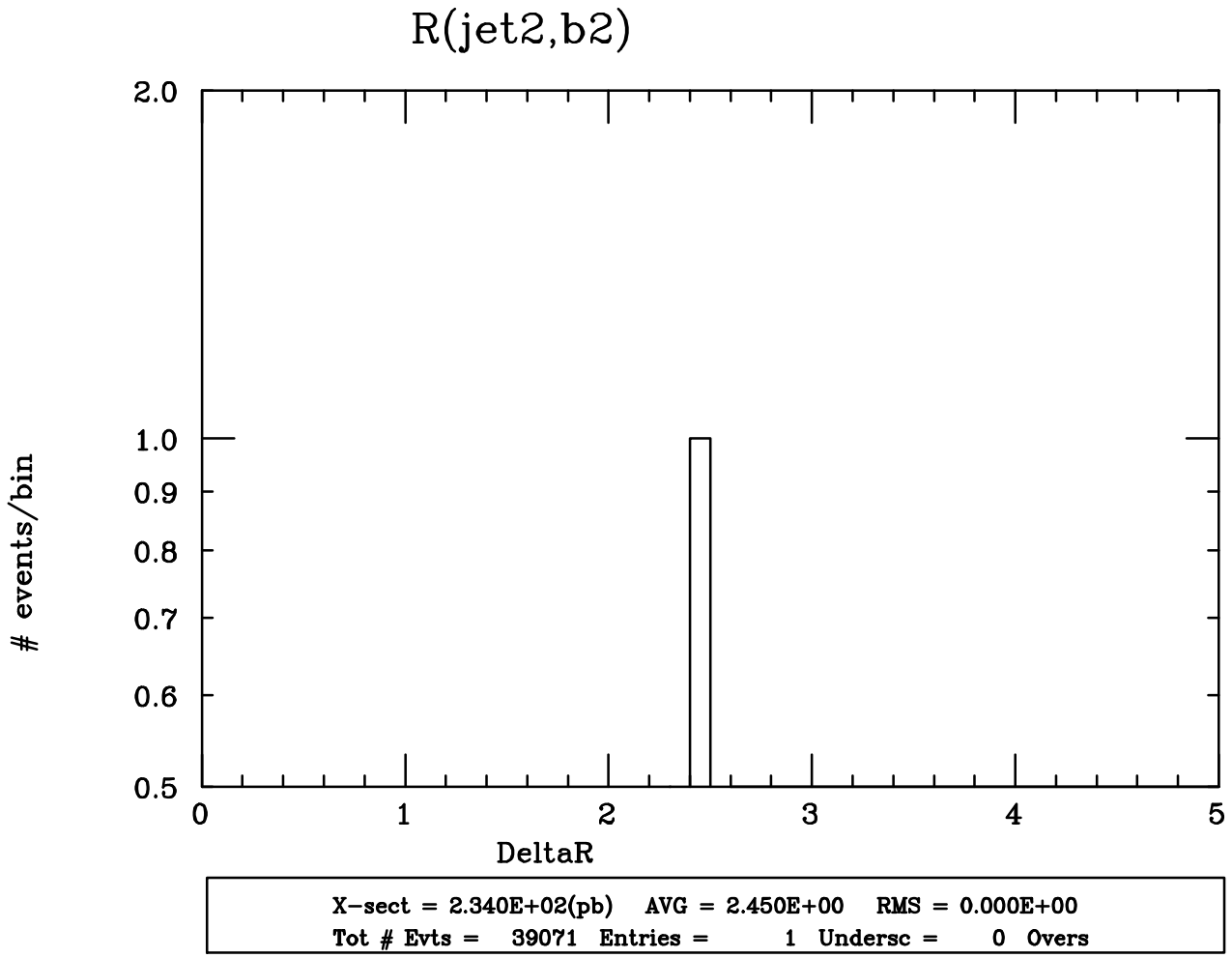

R(jet2,jet4)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 1.914E+00 RMS = 1.090E+00
Tot # Evts = 39071 Entries = 189 Undersc = 0 Overs

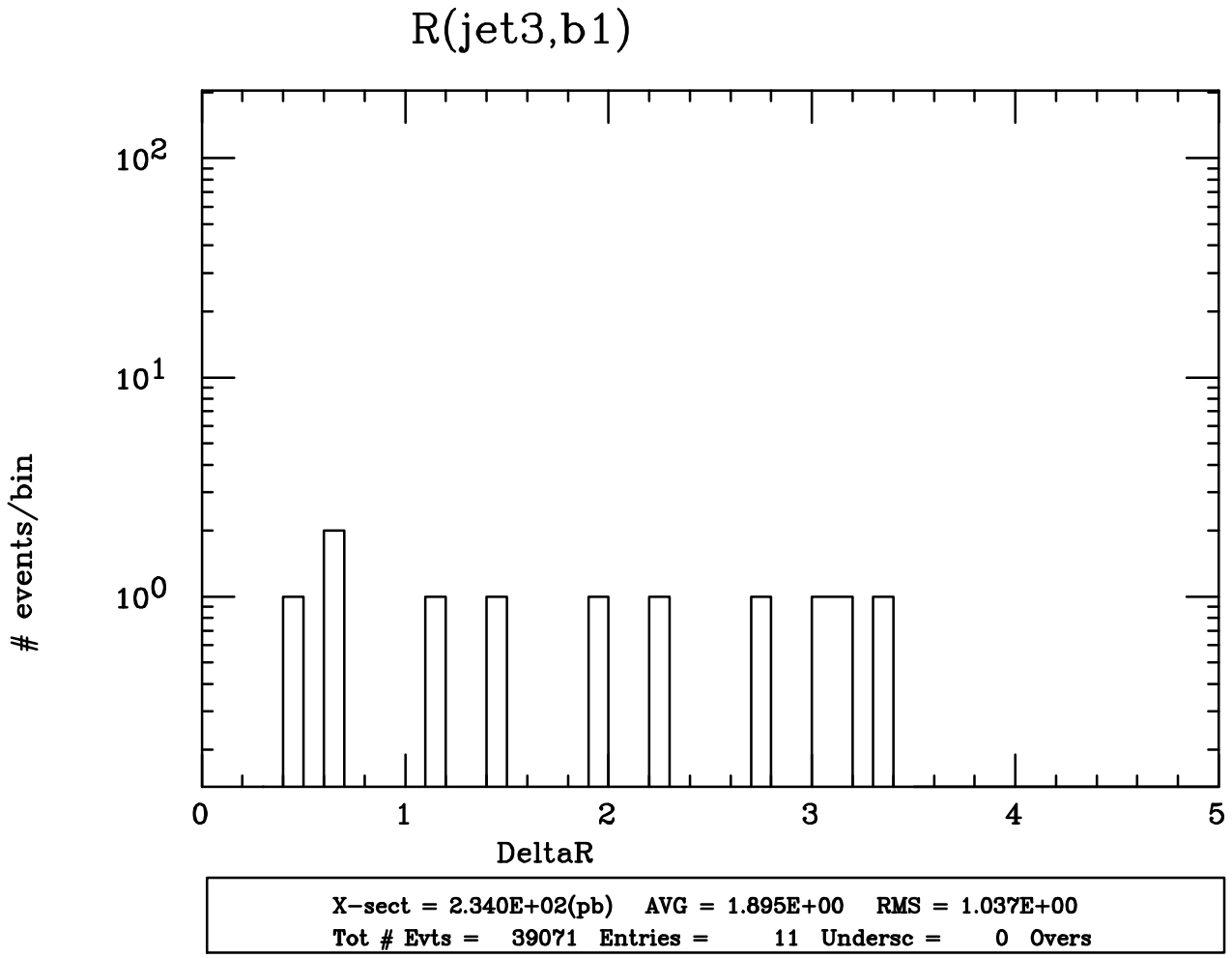

R(jet3,jet4)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 2.162E+00 RMS = 1.153E+00
Tot # Evts = 39071 Entries = 191 Undersc = 0 Overs

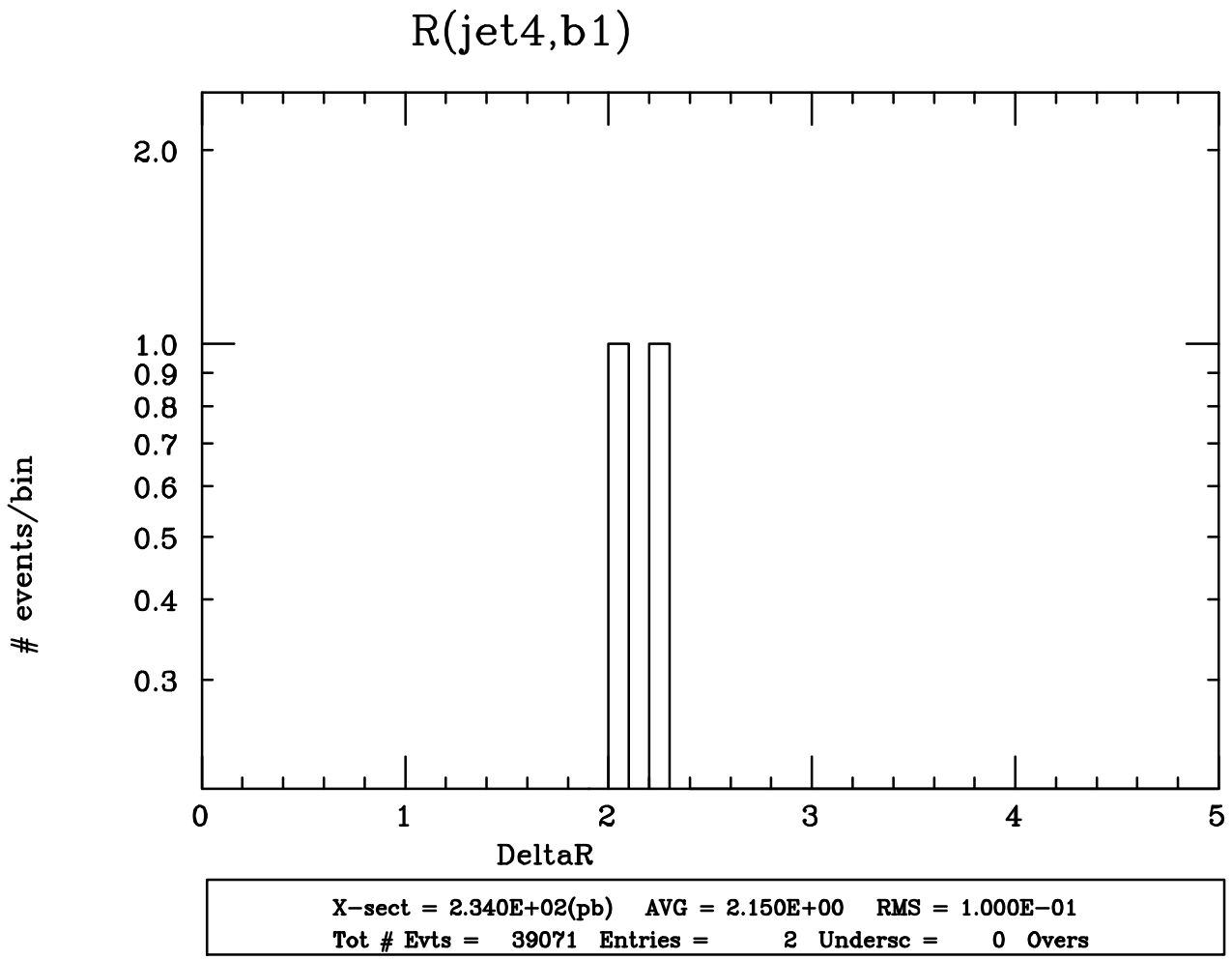

R(jet1,b1)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 1.938E+00 RMS = 1.167E+00
Tot # Evts = 39071 Entries = 72 Undersc = 0 Overs

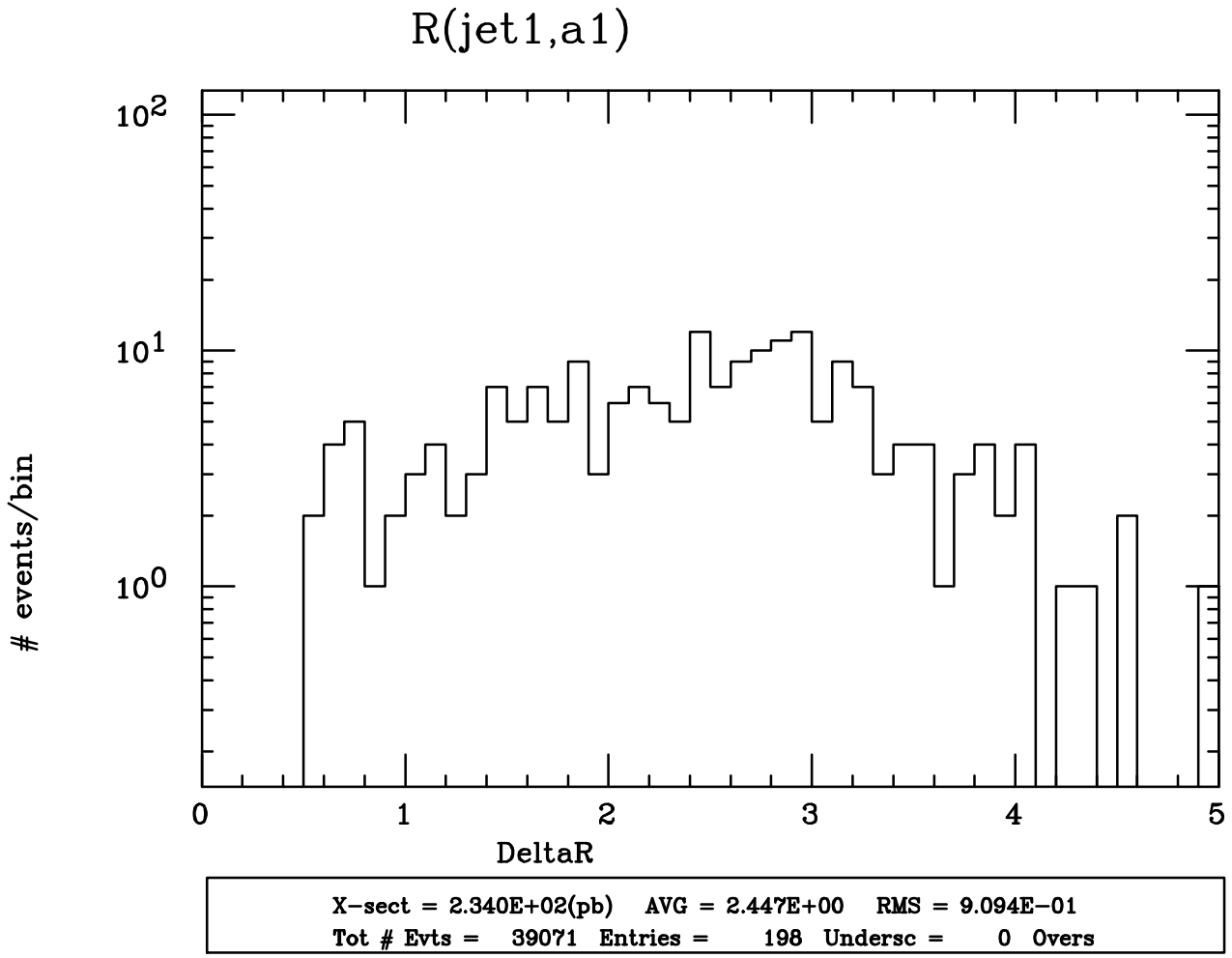

R(jet1,b2)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 1.650E+00 RMS = 1.200E+00
Tot # Evts = 39071 Entries = 2 Undersc = 0 Overs

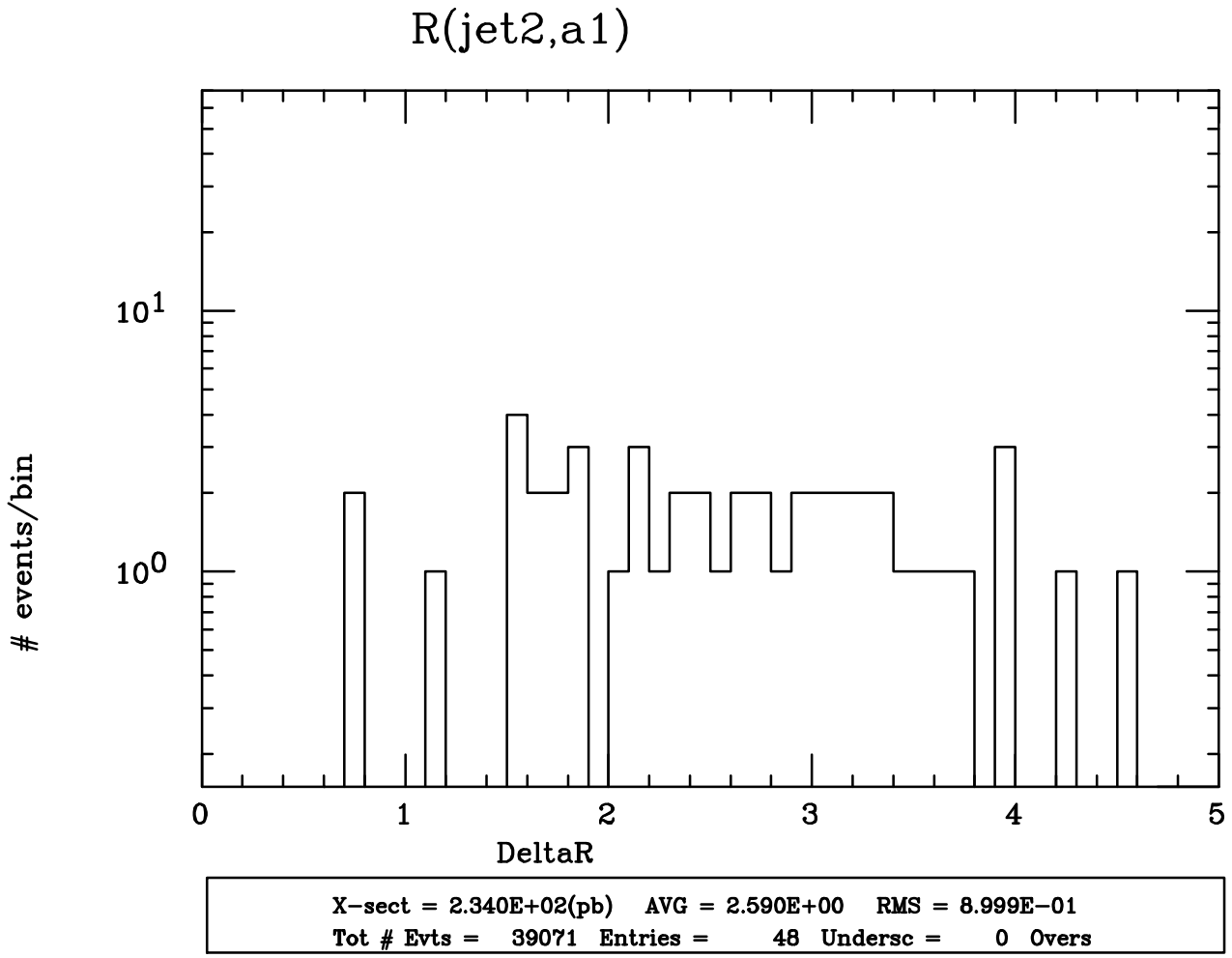

R(jet2,b1)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 2.135E+00 RMS = 1.044E+00
Tot # Evts = 39071 Entries = 27 Undersc = 0 Overs

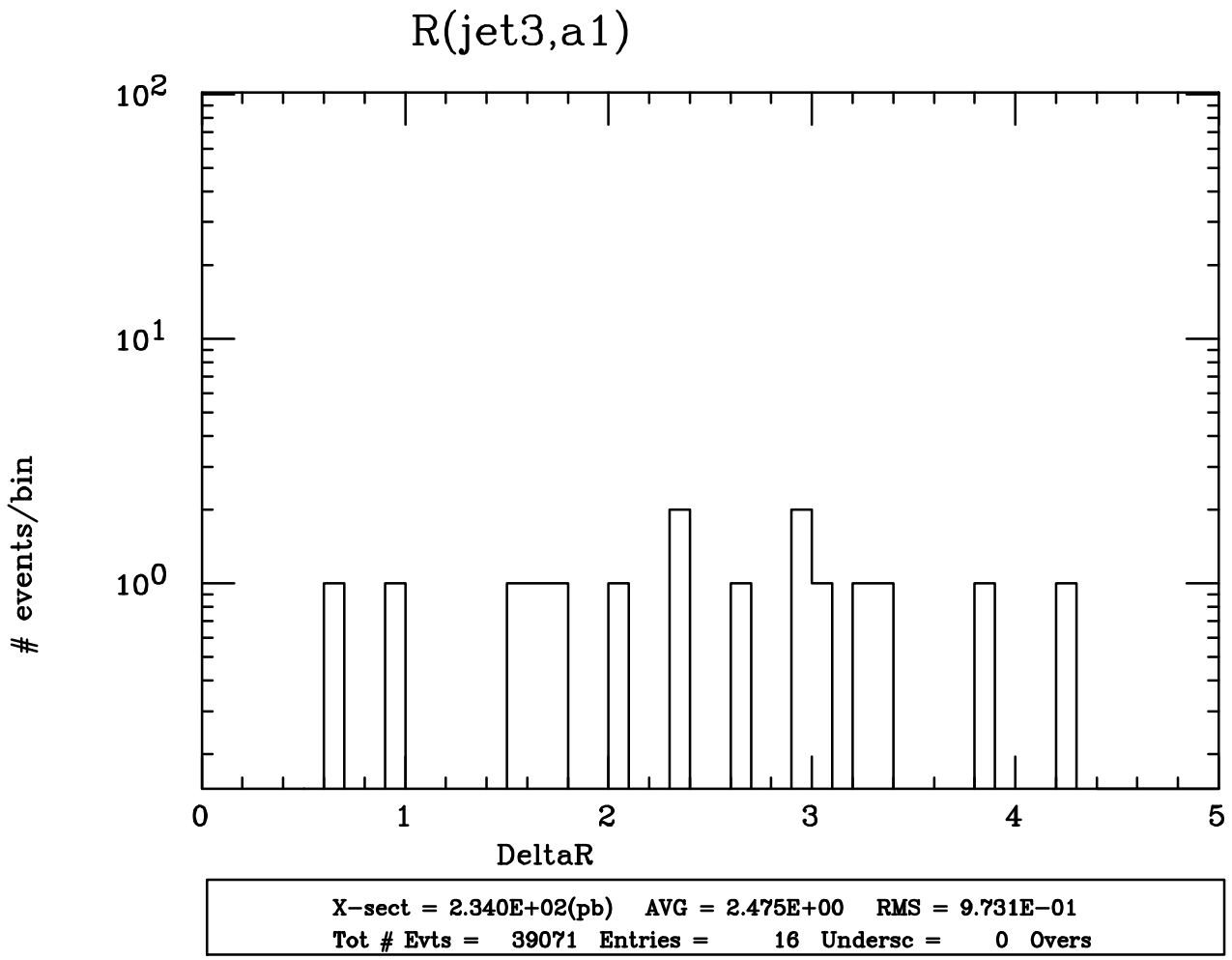

R(jet2,b2)
2.0
1.0
0.9
0.8
0.7
0.6
0.5
events/bin
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 2.450E+00 RMS = 0.000E+00
Tot # Evts = 39071 Entries = 1 Undersc = 0 Overs

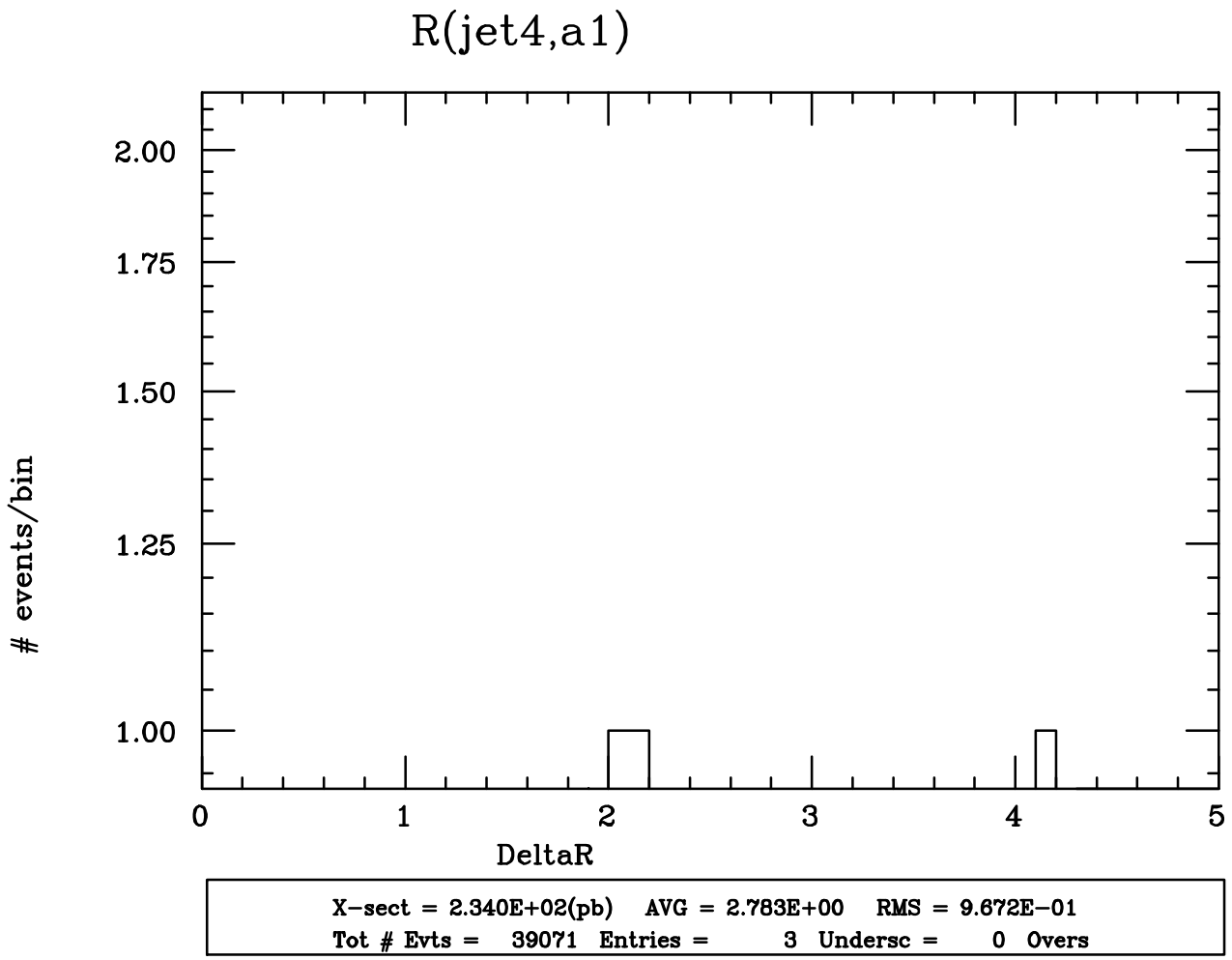

R(jet3,b1)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 1.895E+00 RMS = 1.037E+00
Tot # Evts = 39071 Entries = 11 Undersc = 0 Overs

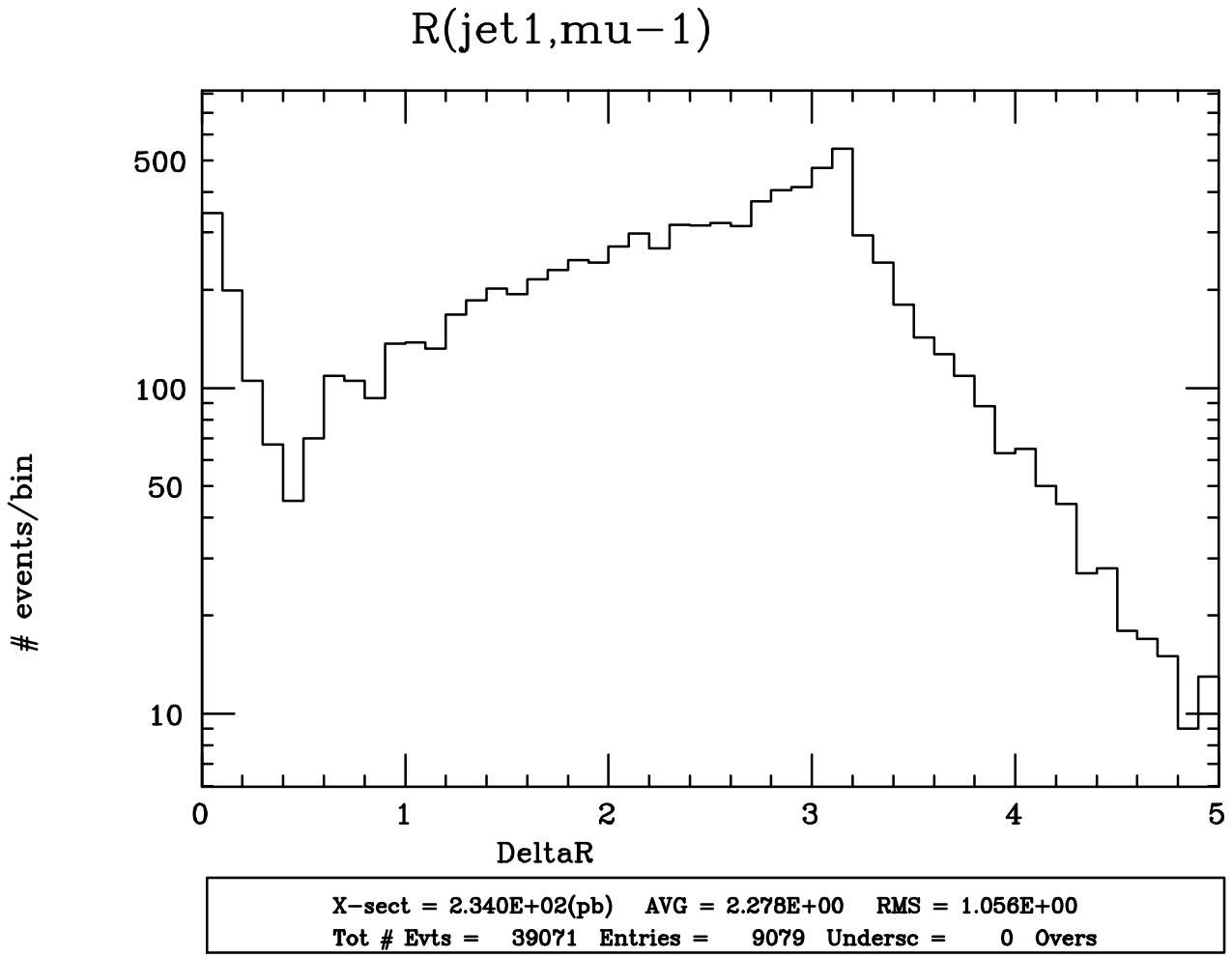

R(jet4,b1)
# events/bin
2.0
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 2.150E+00 RMS = 1.000E-01
Tot # Evts = 39071 Entries = 2 Undersc = 0 Overs

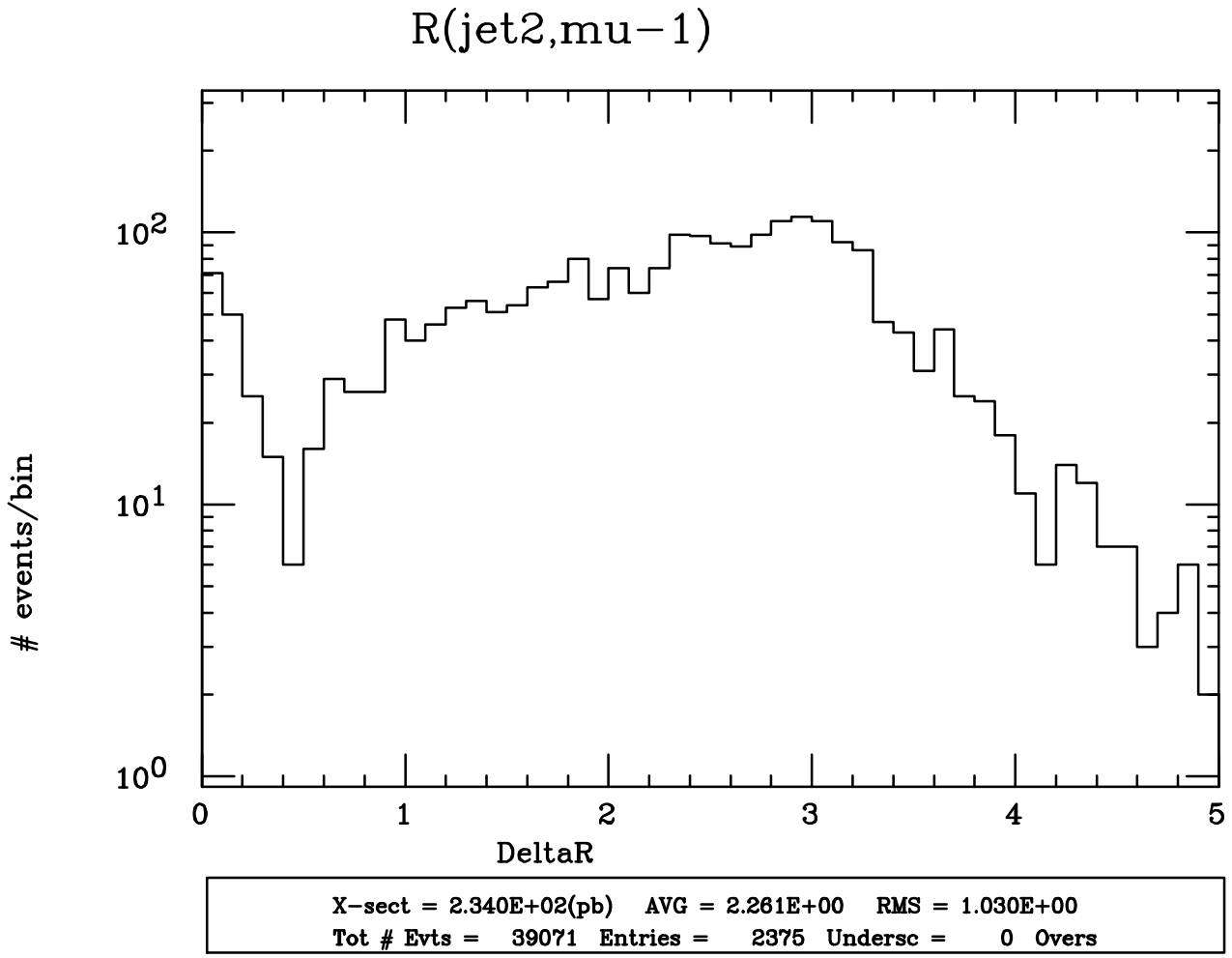

R(jet1,a1)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 2.447E+00 RMS = 9.094E-01
Tot # Evts = 39071 Entries = 198 Undersc = 0 Overs

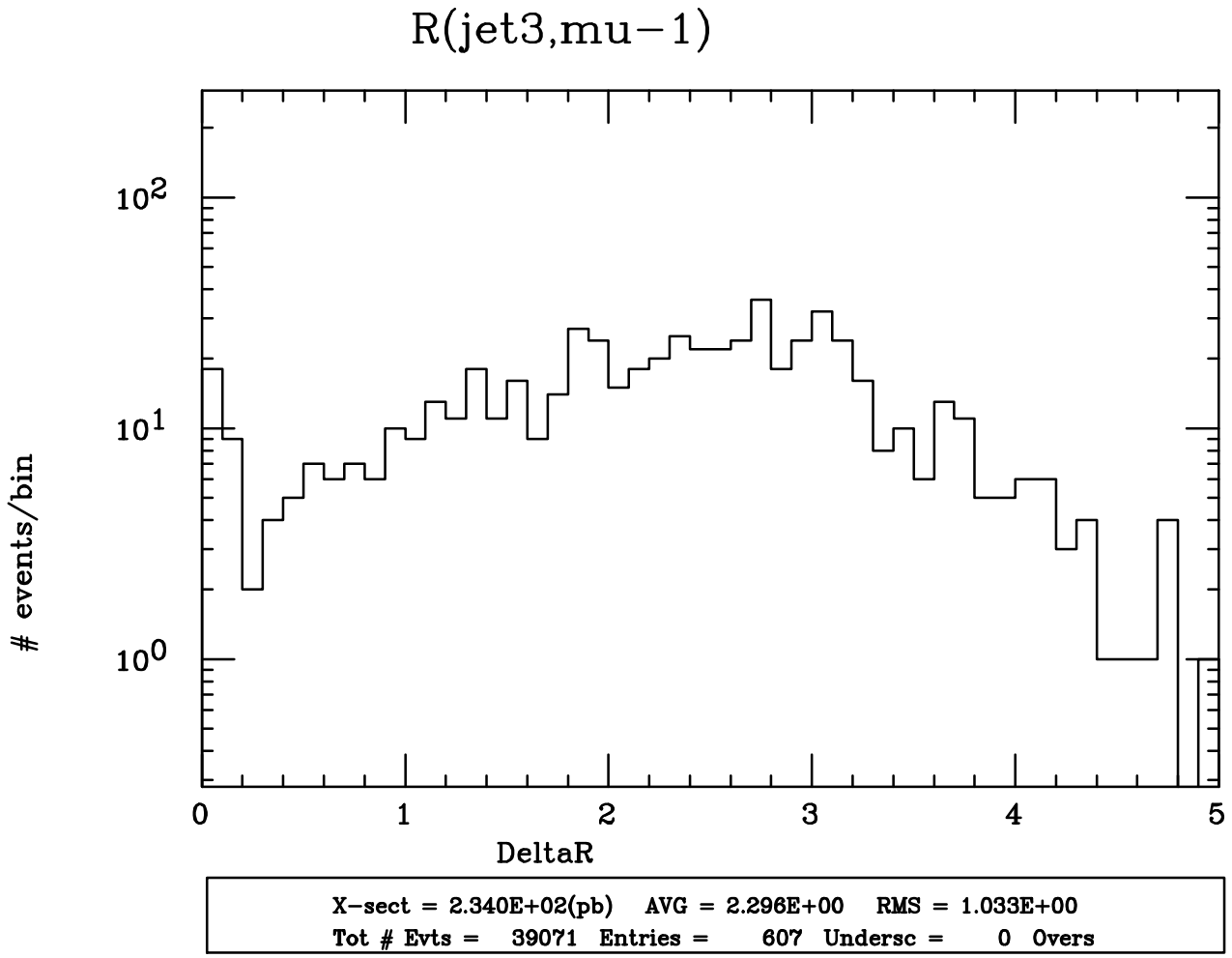

R(jet2,a1)
# events/bin
10^1
10^0
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 2.590E+00 RMS = 8.999E-01
Tot # Evts = 39071 Entries = 48 Undersc = 0 Overs

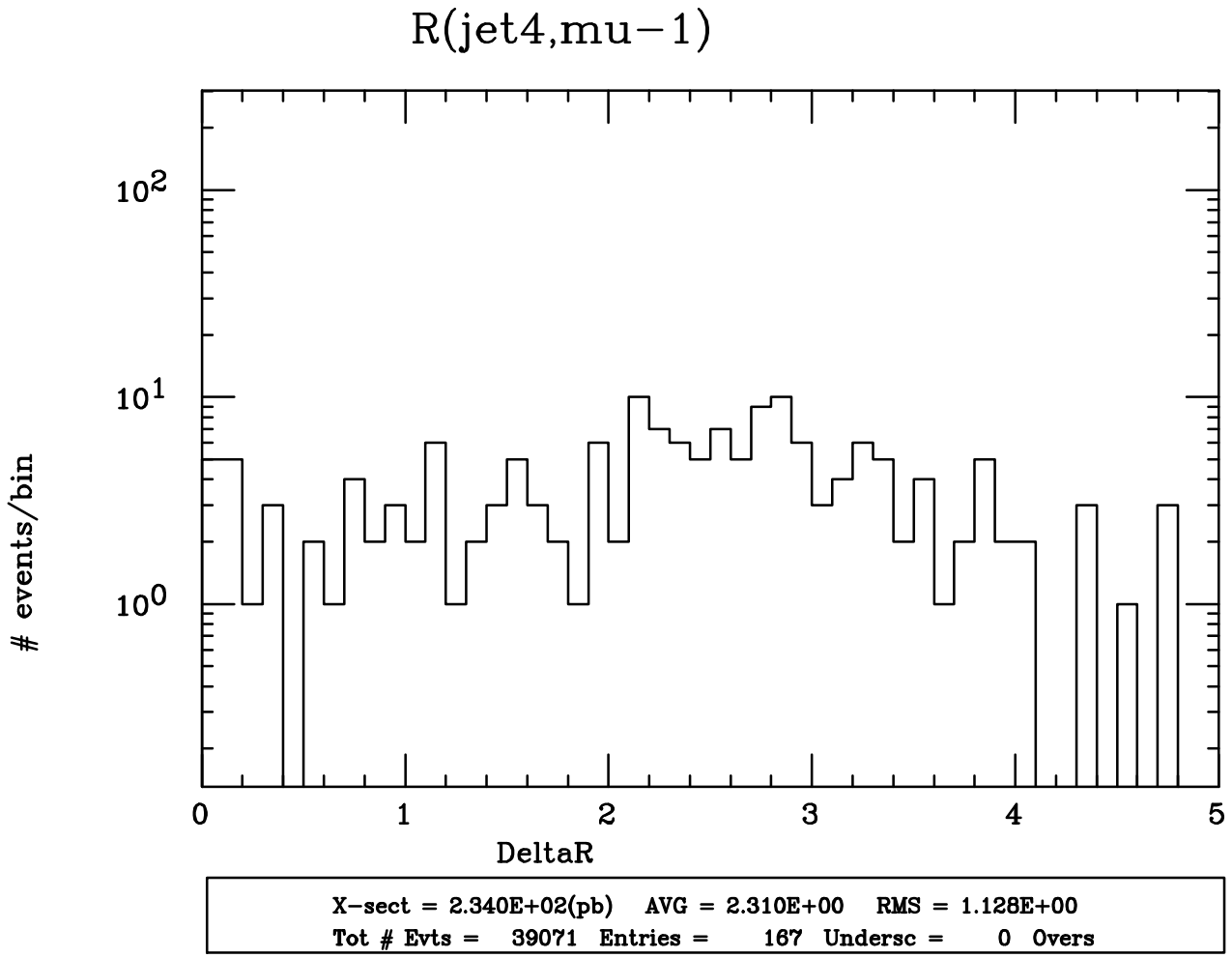

R(jet3,a1)
10^2
10^1
10^0
events/bin
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 2.475E+00 RMS = 9.731E-01
Tot # Evts = 39071 Entries = 16 Undersc = 0 Overs

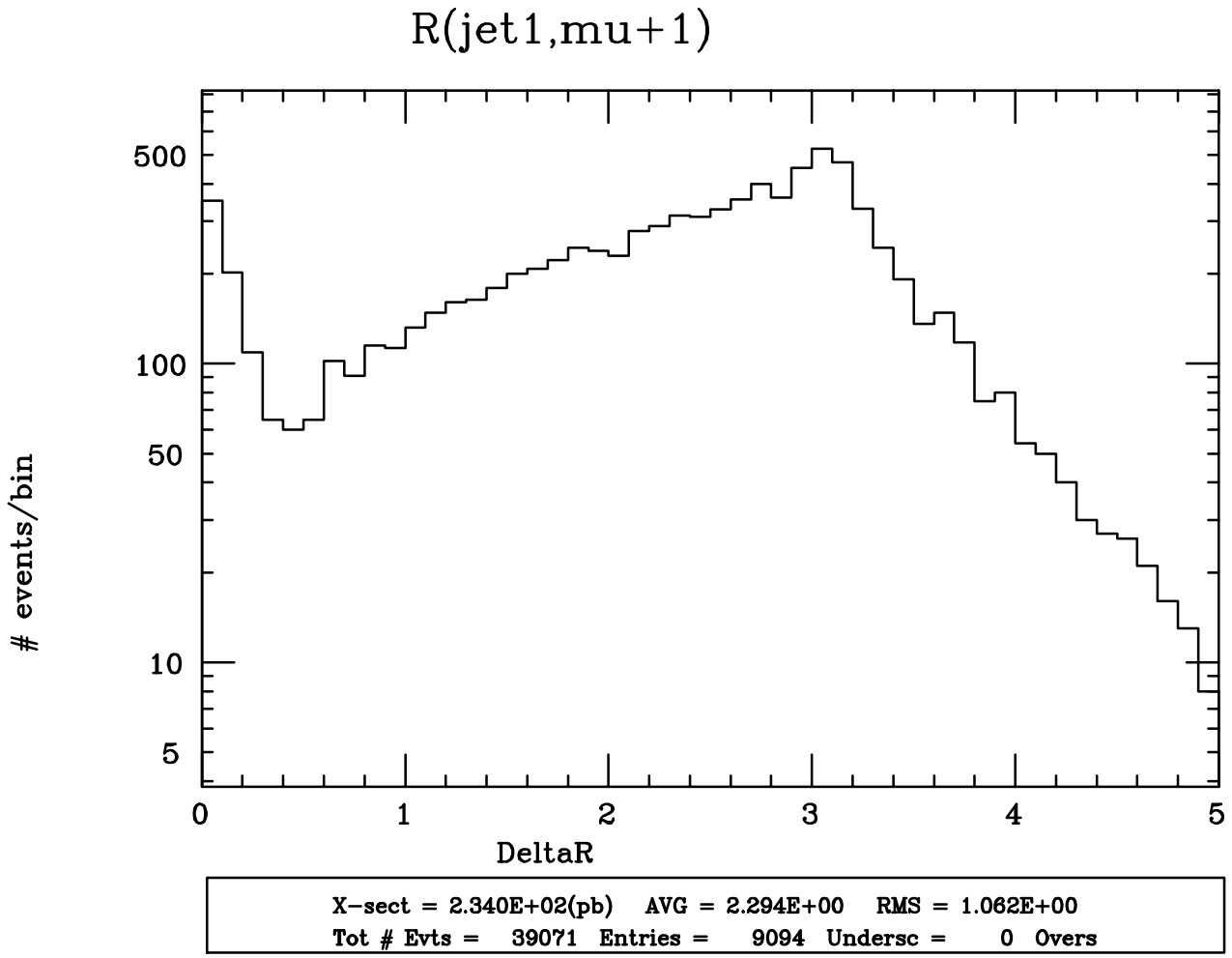

R(jet4,a1)
# events/bin
2.00
1.75
1.50
1.25
1.00
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 2.783E+00 RMS = 9.672E-01
Tot # Evts = 39071 Entries = 3 Undersc = 0 Overs

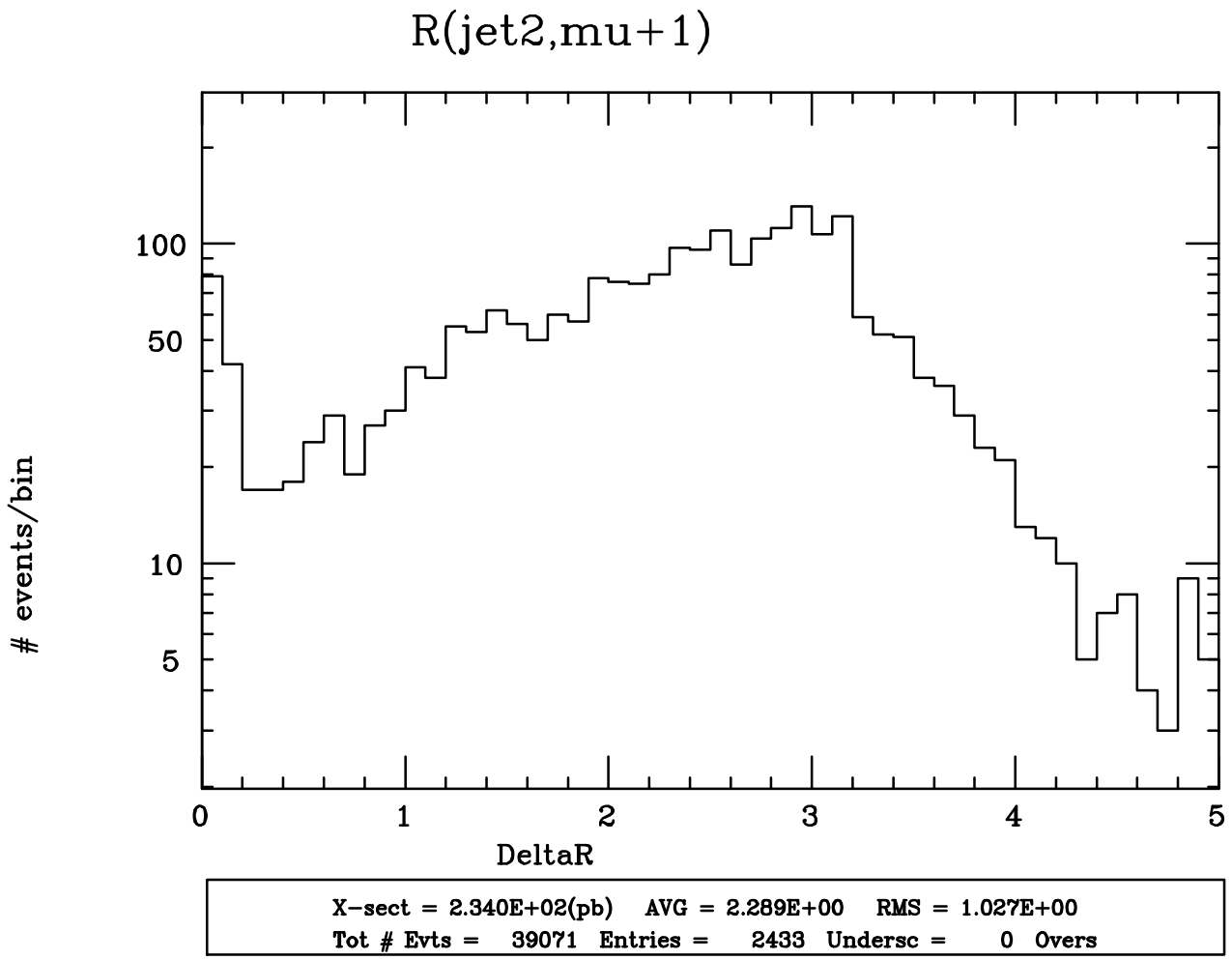

R(jet1,mu−1)
500
100
50
10
events/bin
0
1
2
3
4
5
DeltaR
X−sect = 2.340E+02(pb) AVG = 2.278E+00 RMS = 1.056E+00
Tot # Evts = 39071 Entries = 9079 Undersc = 0 Overs

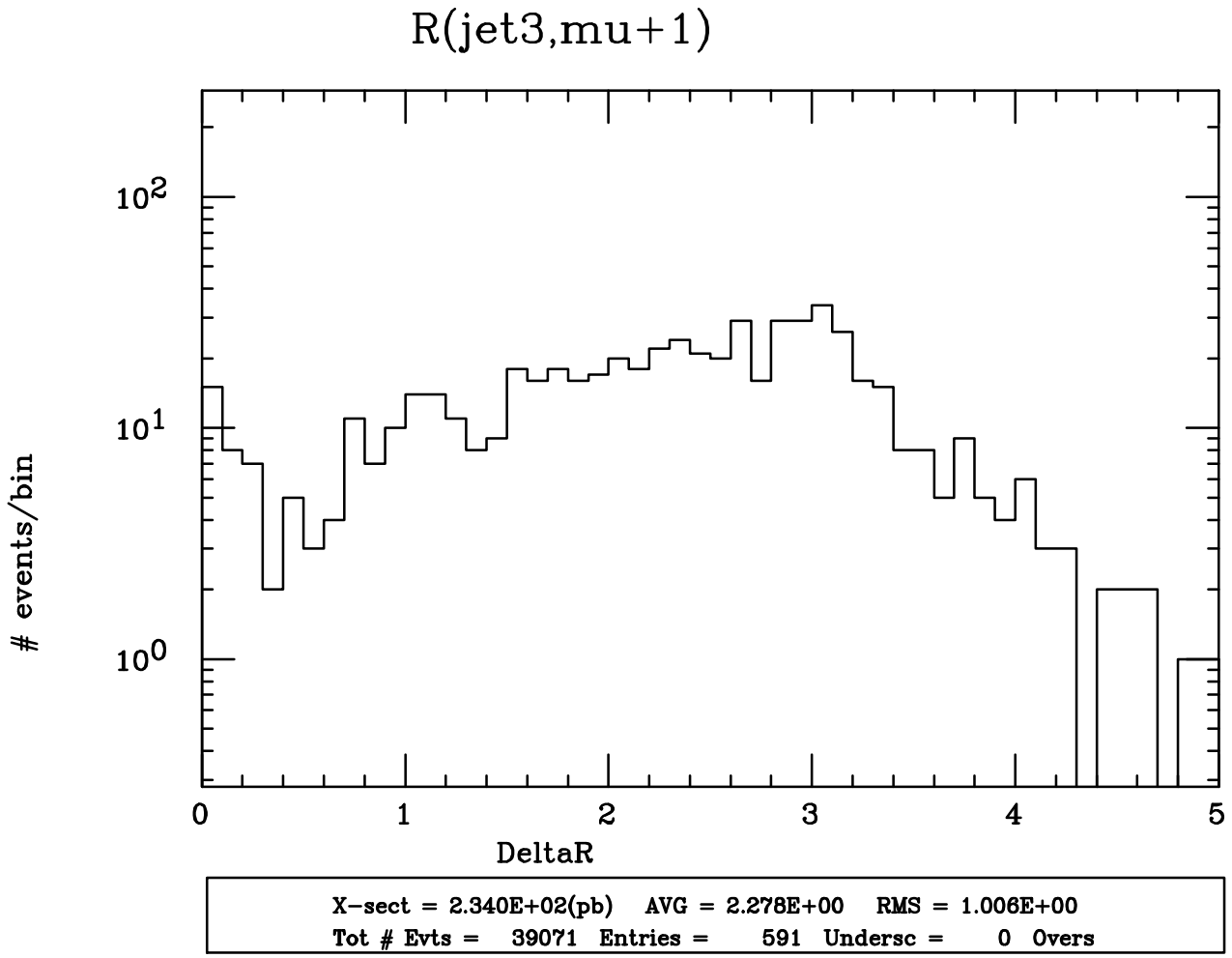

R(jet2,mu−1)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X−sect = 2.340E+02(pb) AVG = 2.261E+00 RMS = 1.030E+00
Tot # Evts = 39071 Entries = 2375 Undersc = 0 Overs

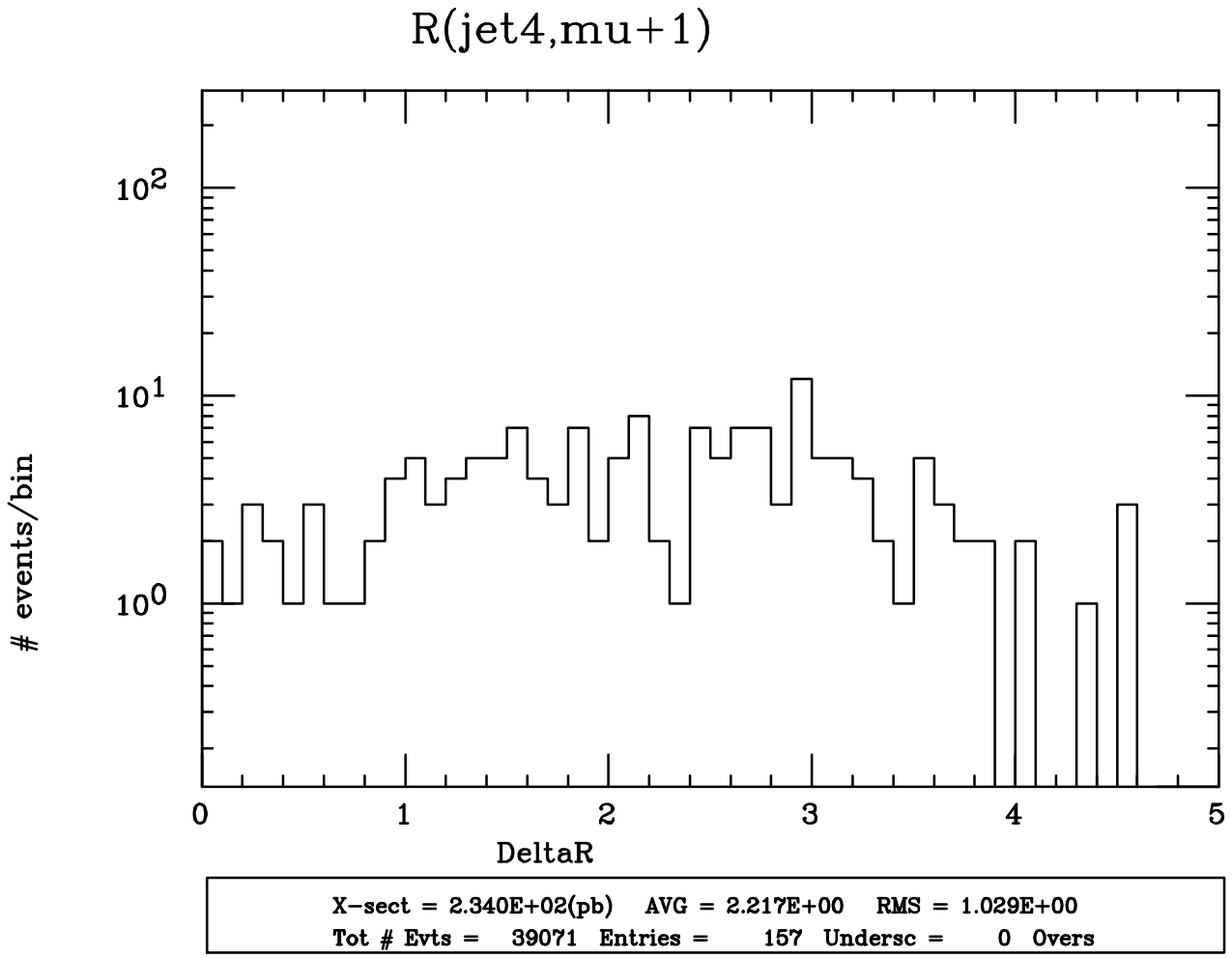

R(jet3,mu−1)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X−sect = 2.340E+02(pb) AVG = 2.296E+00 RMS = 1.033E+00
Tot # Evts = 39071 Entries = 607 Undersc = 0 Overs

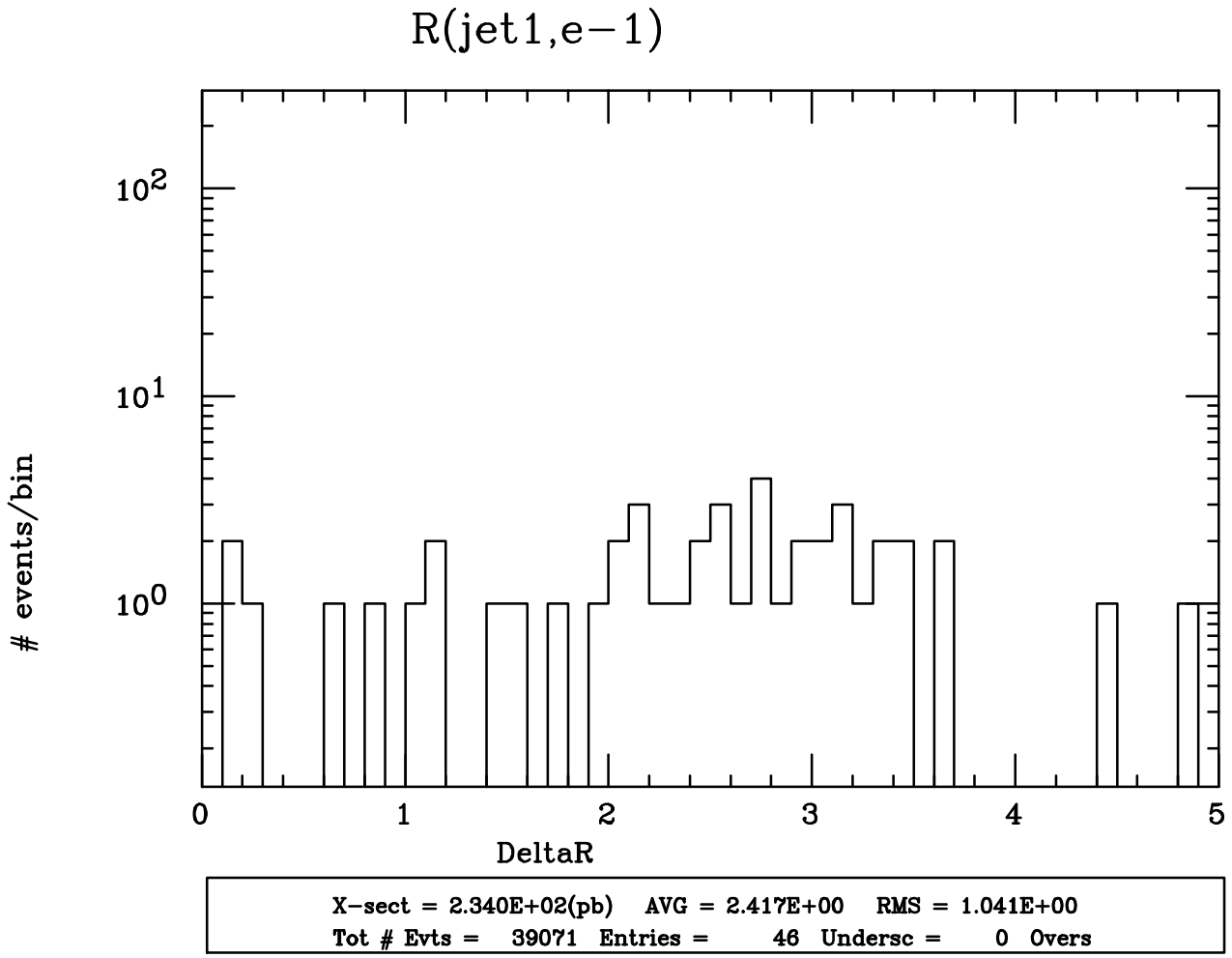

R(jet4,mu−1)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X−sect = 2.340E+02(pb) AVG = 2.310E+00 RMS = 1.128E+00
Tot # Evts = 39071 Entries = 167 Undersc = 0 Overs

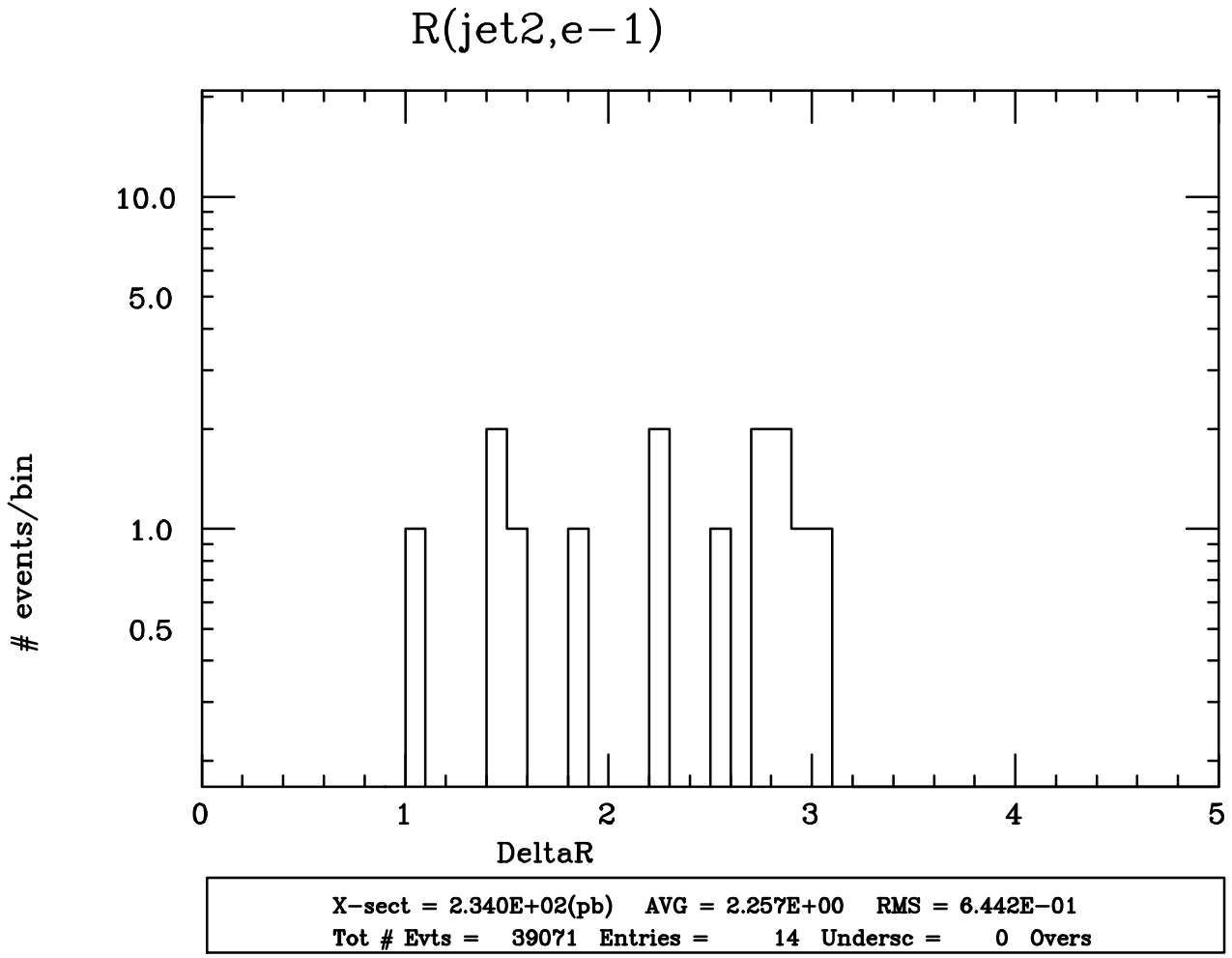

R(jet1,mu+1)
# events/bin
500
100
50
10
5
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 2.294E+00 RMS = 1.062E+00
Tot # Evts = 39071 Entries = 9094 Undersc = 0 Overs

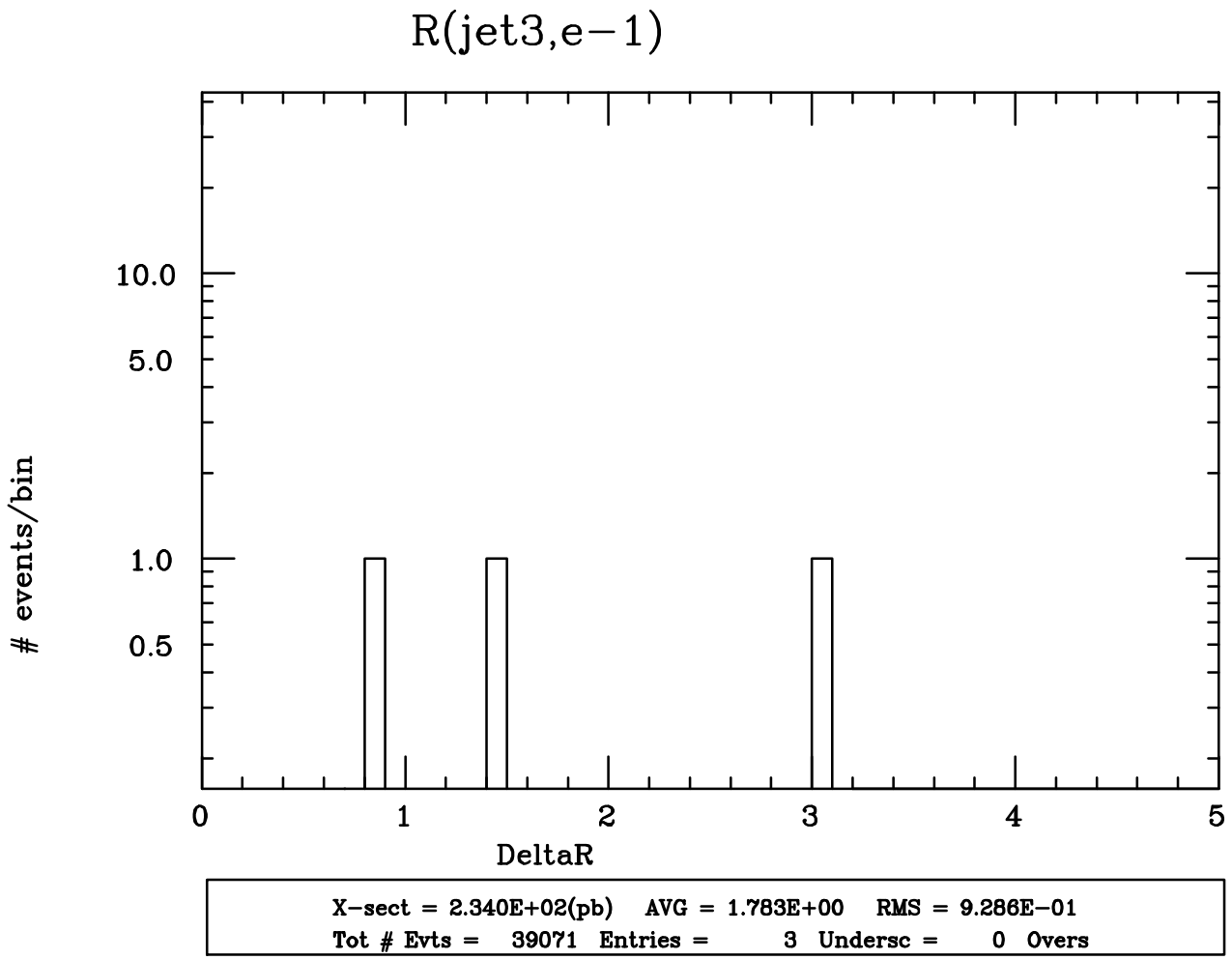

R(jet2,mu+1)
# events/bin
100
50
10
5
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 2.289E+00 RMS = 1.027E+00
Tot # Evts = 39071 Entries = 2433 Undersc = 0 Overs

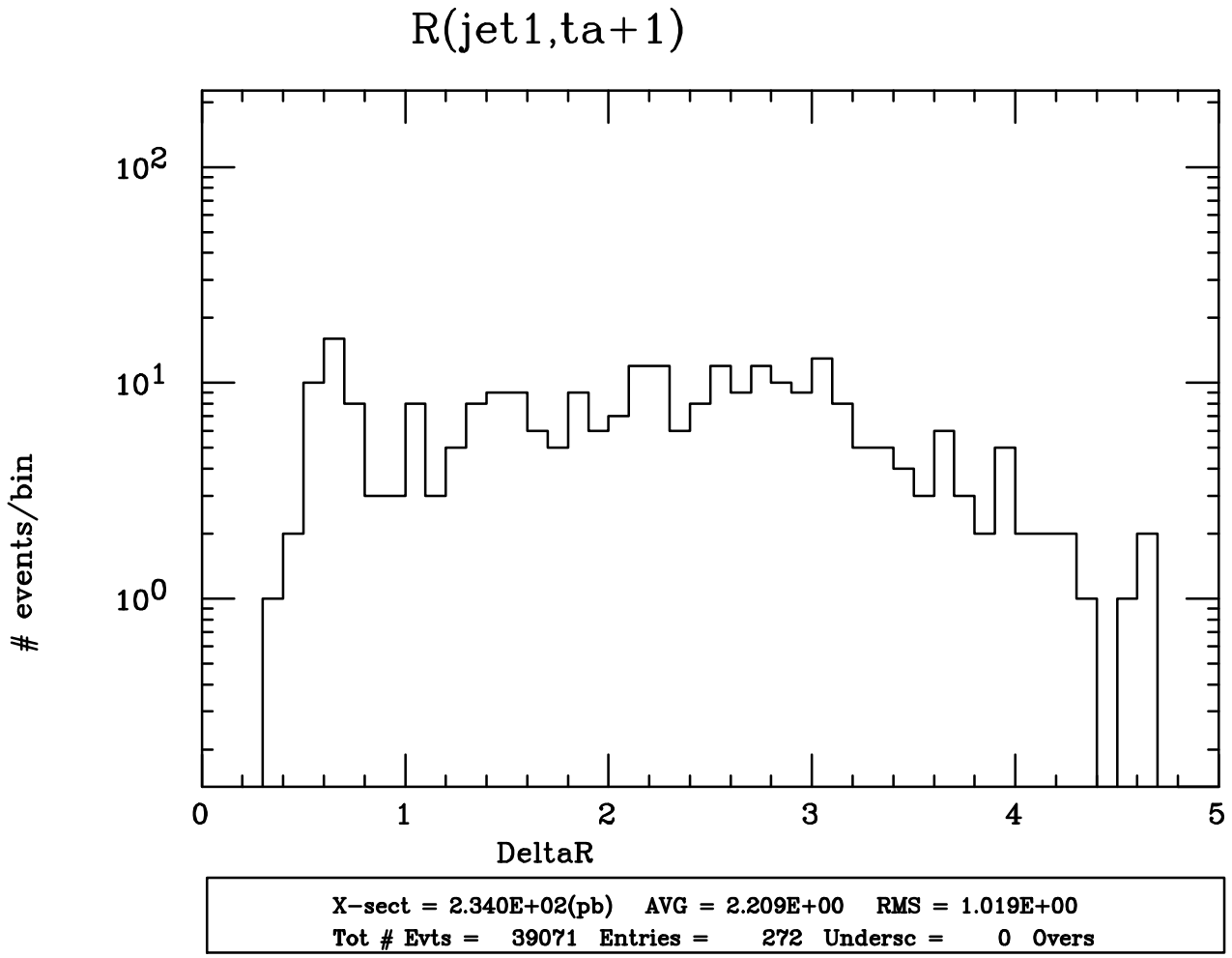

R(jet3,mu+1)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 2.278E+00 RMS = 1.006E+00
Tot # Evts = 39071 Entries = 591 Undersc = 0 Overs

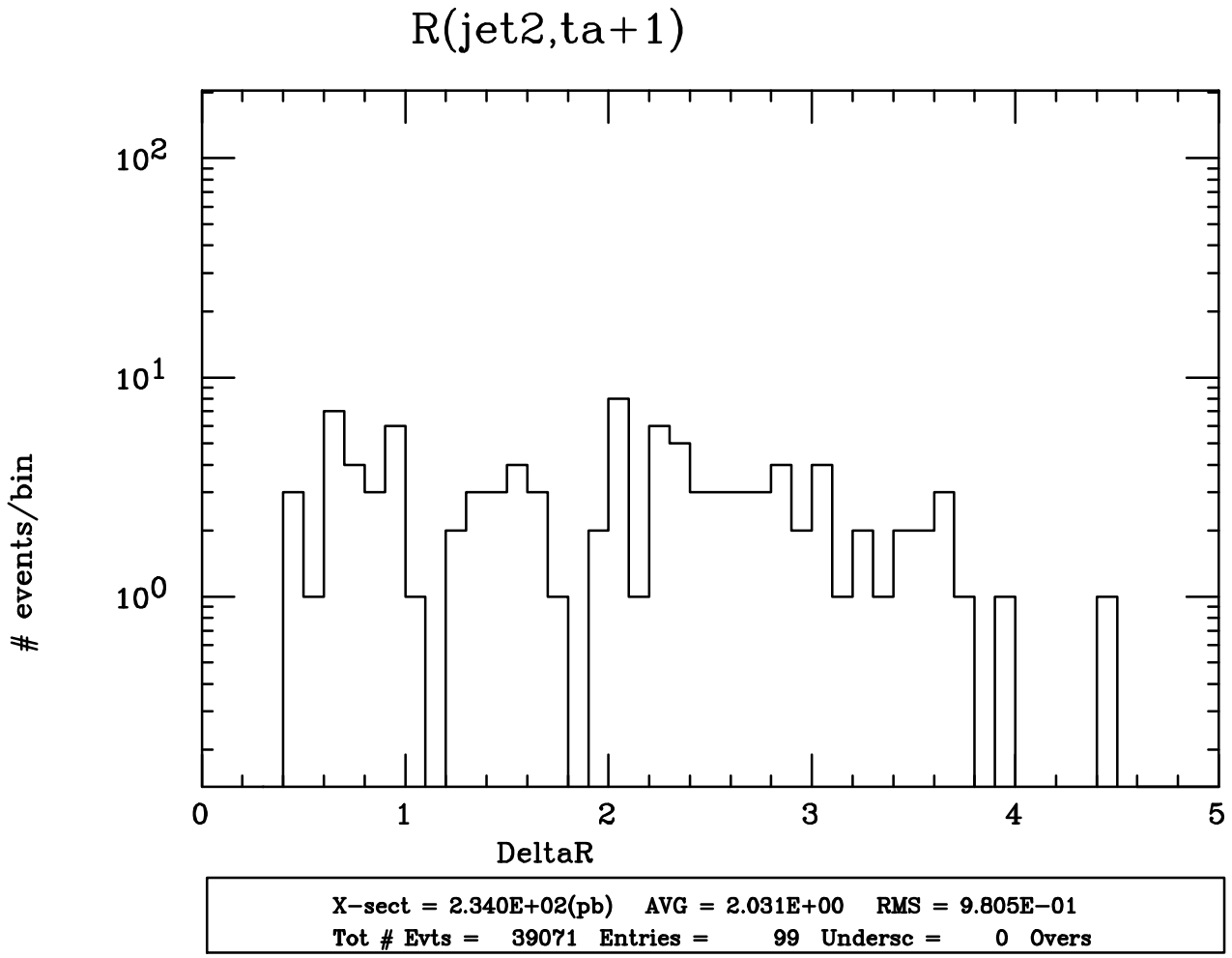

R(jet4,mu+1)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 2.217E+00 RMS = 1.029E+00
Tot # Evts = 39071 Entries = 157 Undersc = 0 Overs

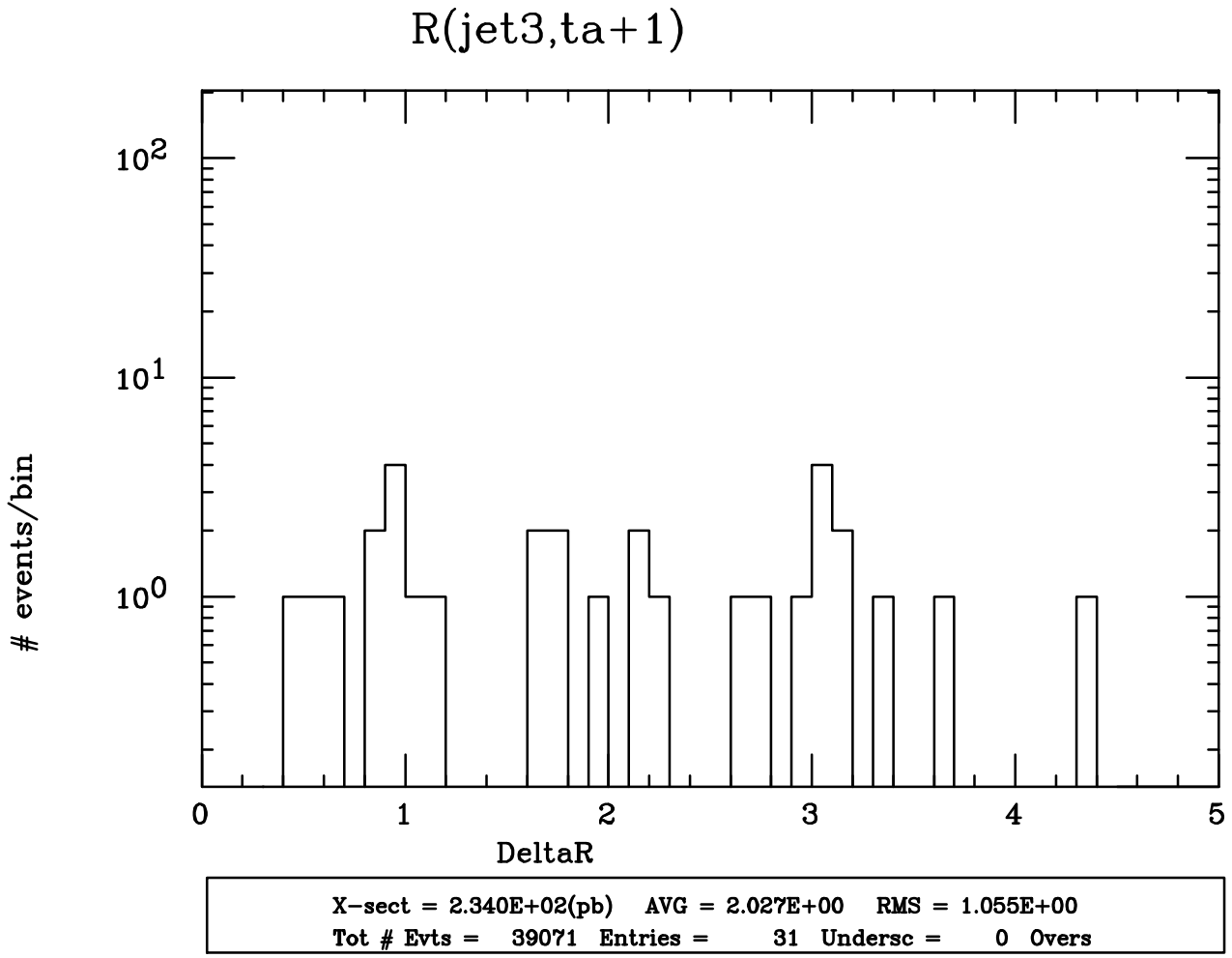

R(jet1,e−1)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X−sect = 2.340E+02(pb) AVG = 2.417E+00 RMS = 1.041E+00
Tot # Evts = 39071 Entries = 46 Undersc = 0 Overs

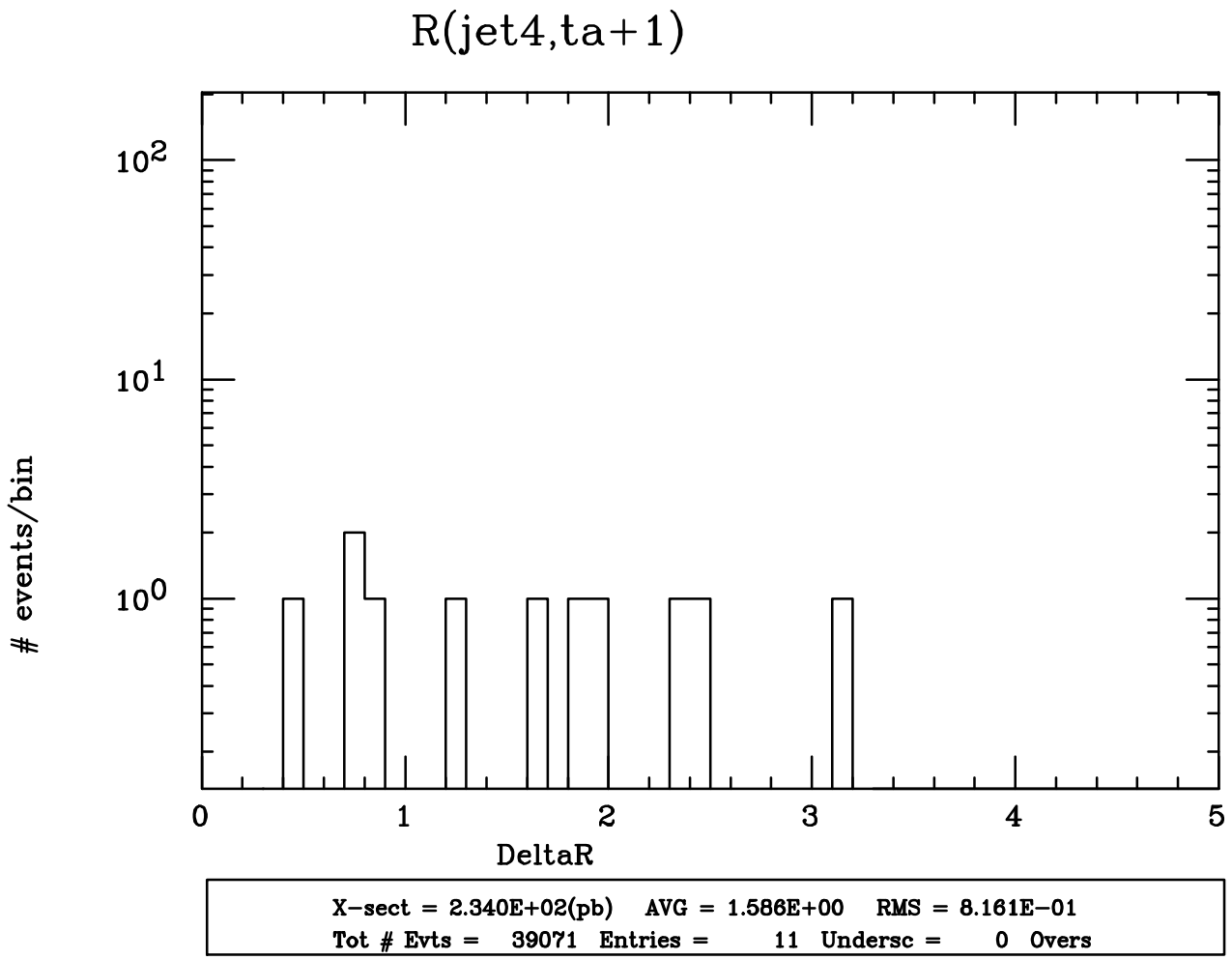

R(jet2,e−1)
10.0
5.0
1.0
0.5
events/bin
0
1
2
3
4
5
DeltaR
X−sect = 2.340E+02(pb) AVG = 2.257E+00 RMS = 6.442E−01
Tot # Evts = 39071 Entries = 14 Undersc = 0 Overs

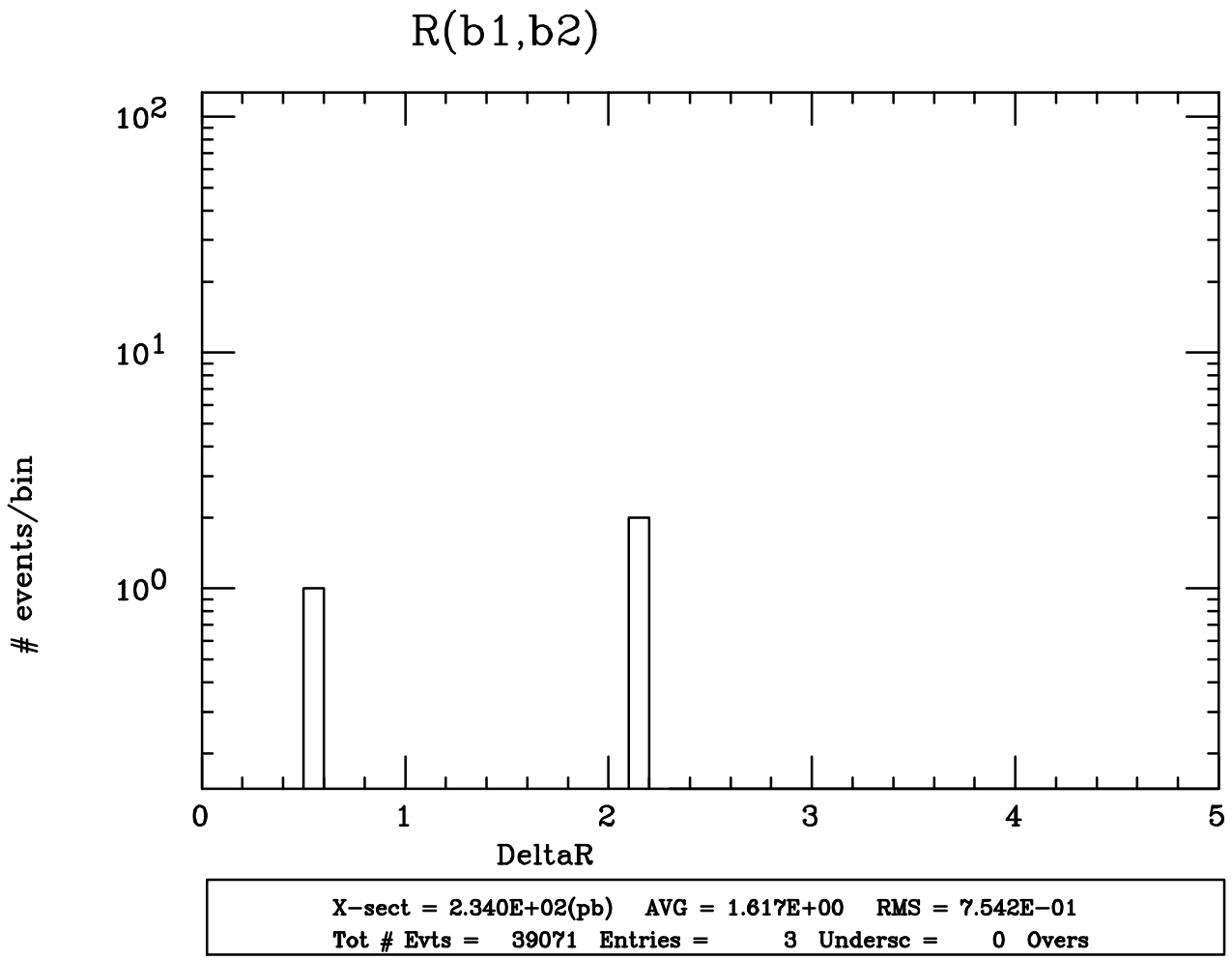

R(jet3,e−1)
# events/bin
10.0
5.0
1.0
0.5
0
1
2
3
4
5
DeltaR
X−sect = 2.340E+02(pb) AVG = 1.783E+00 RMS = 9.286E−01
Tot # Evts = 39071 Entries = 3 Undersc = 0 Overs

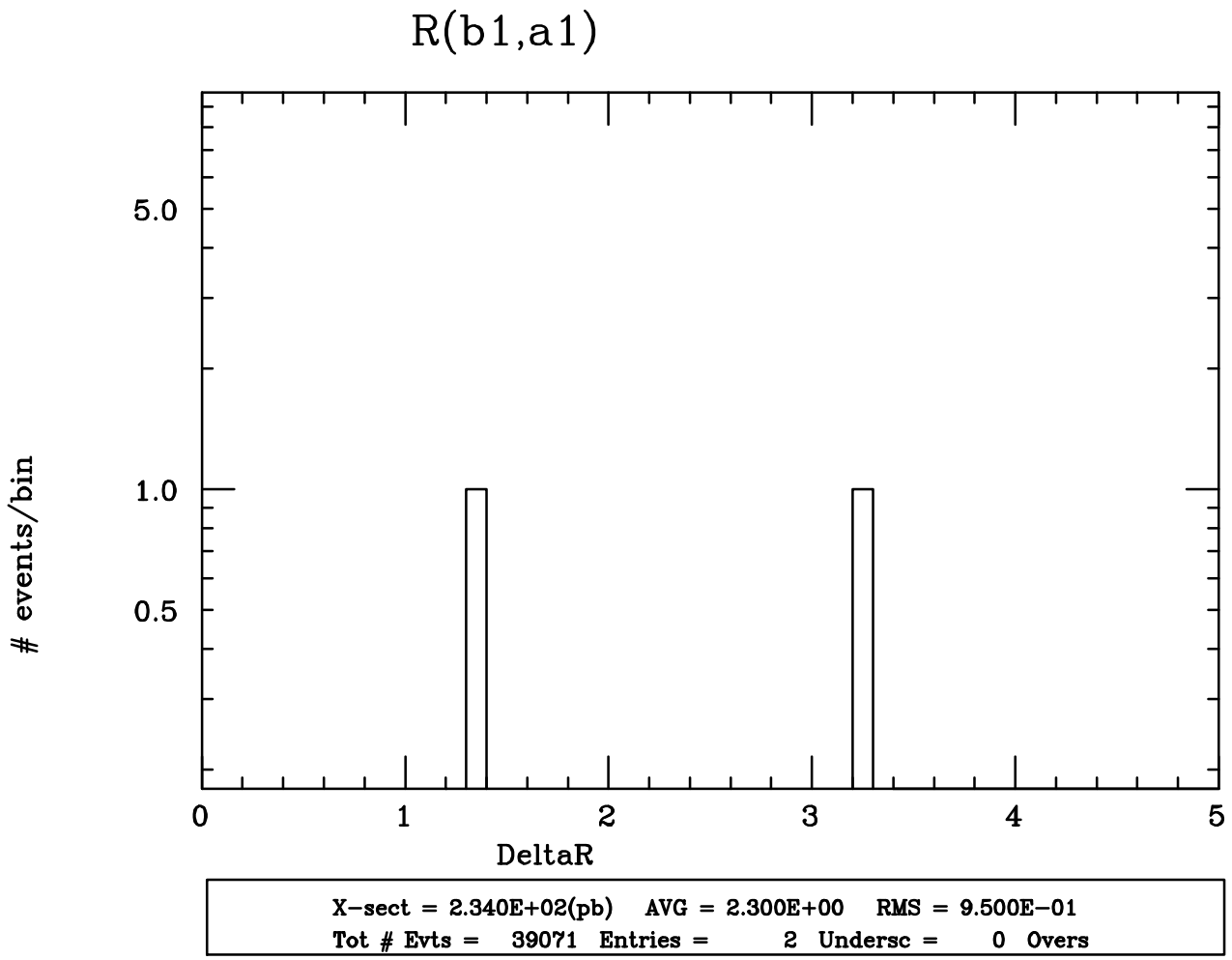

R(jet1,ta+1)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 2.209E+00 RMS = 1.019E+00
Tot # Evts = 39071 Entries = 272 Undersc = 0 Overs

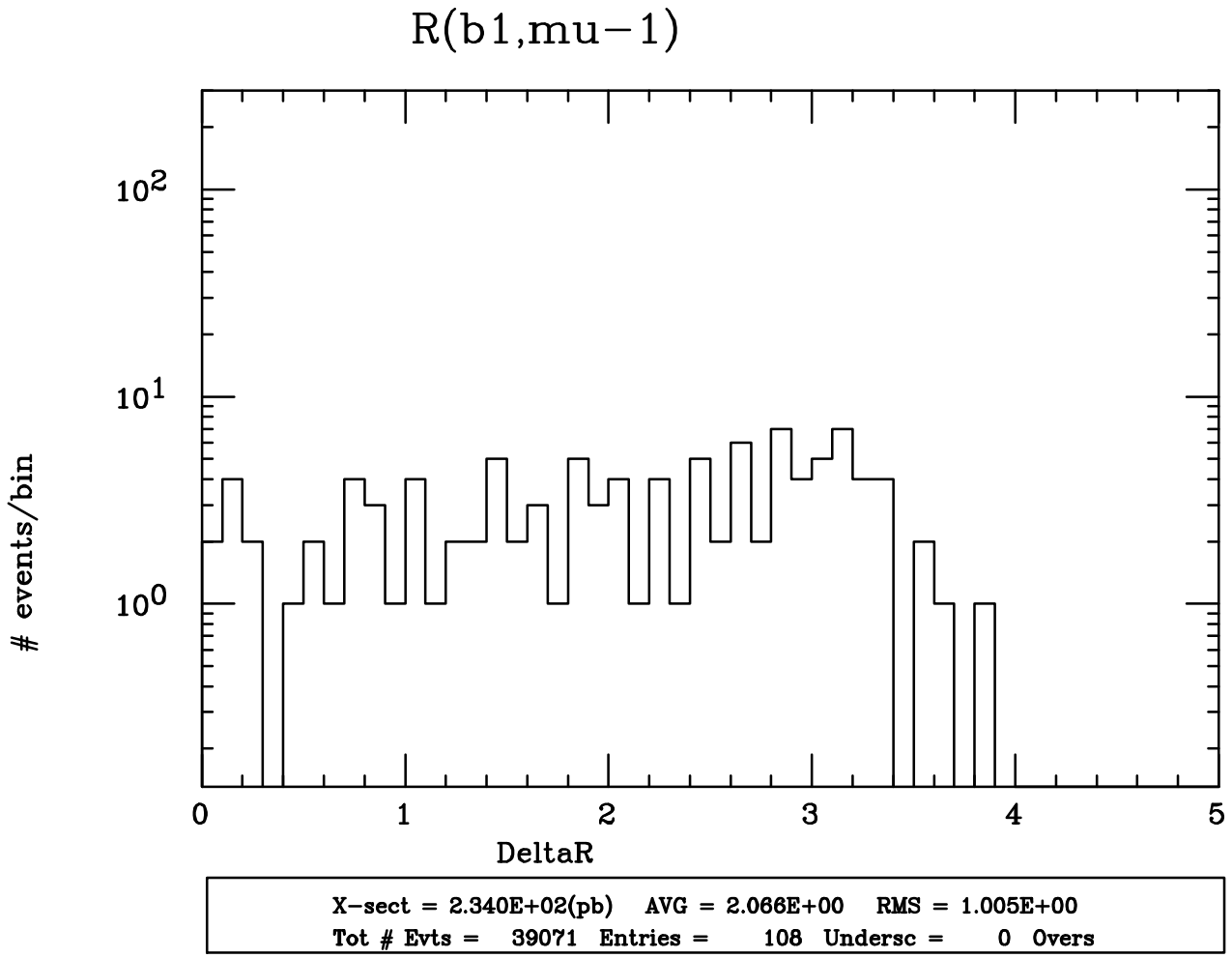

R(jet2,ta+1)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 2.031E+00 RMS = 9.805E-01
Tot # Evts = 39071 Entries = 99 Undersc = 0 Overs

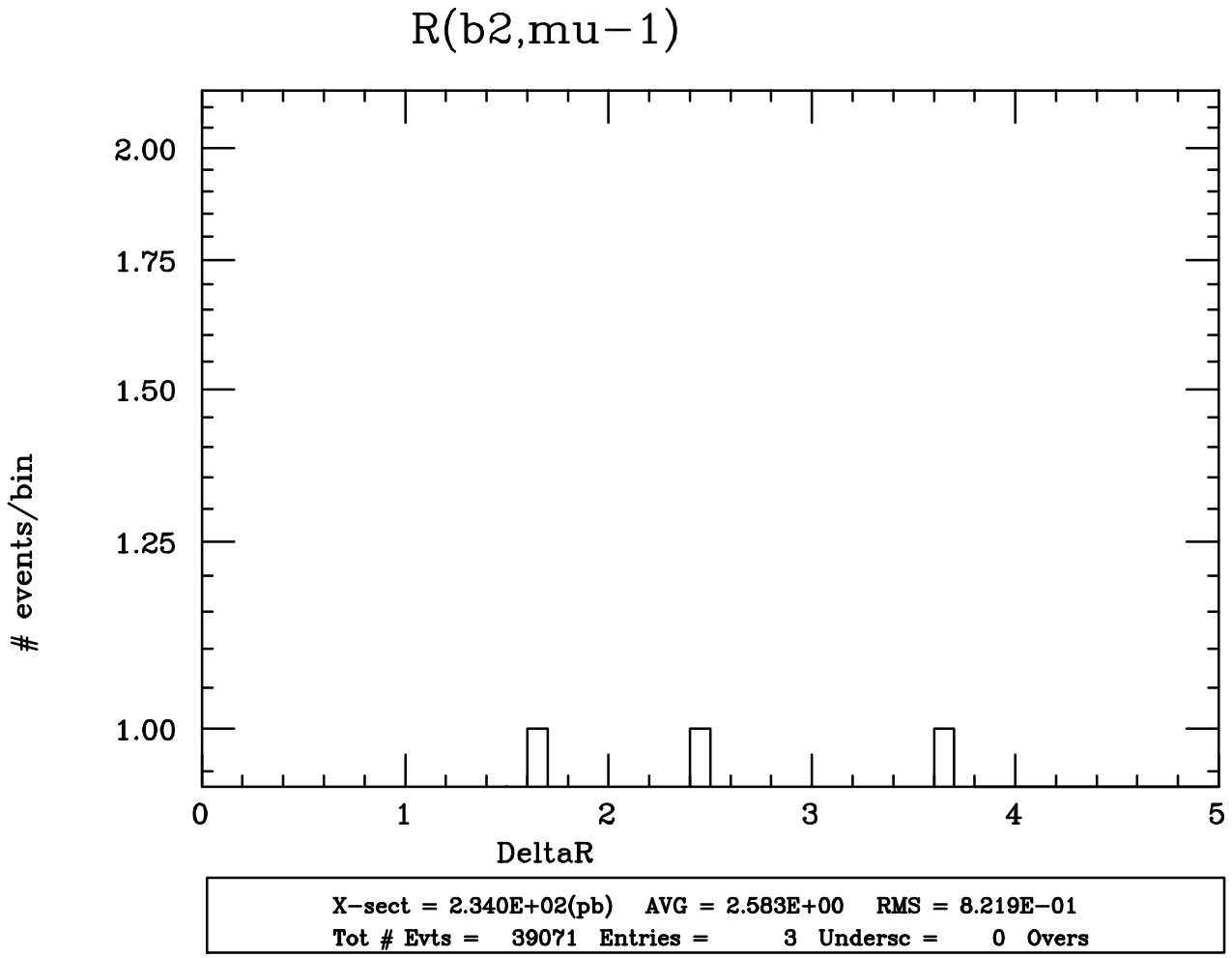

R(jet3,ta+1)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 2.027E+00 RMS = 1.055E+00
Tot # Evts = 39071 Entries = 31 Undersc = 0 Overs

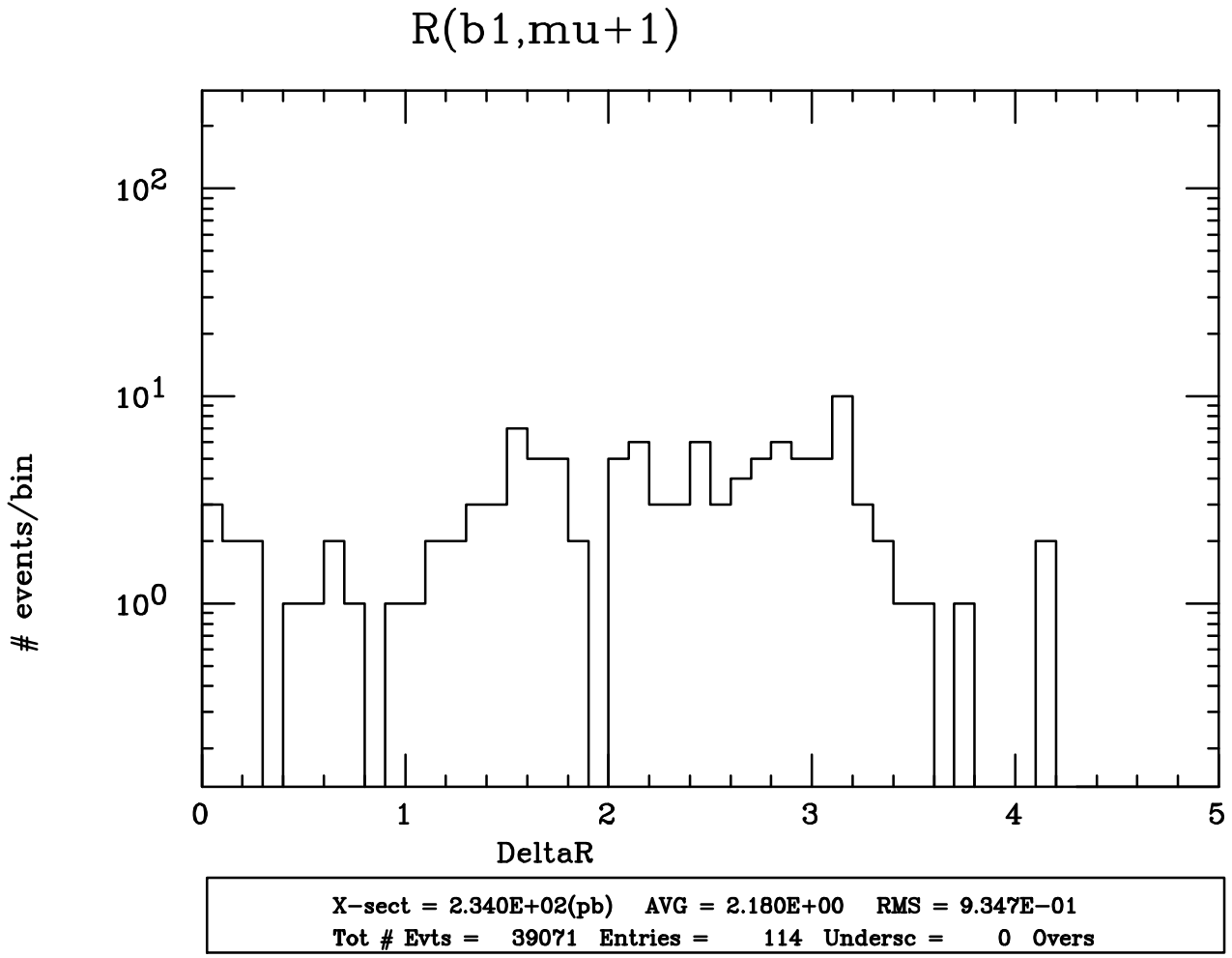

R(jet4,ta+1)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 1.586E+00 RMS = 8.161E-01
Tot # Evts = 39071 Entries = 11 Undersc = 0 Overs

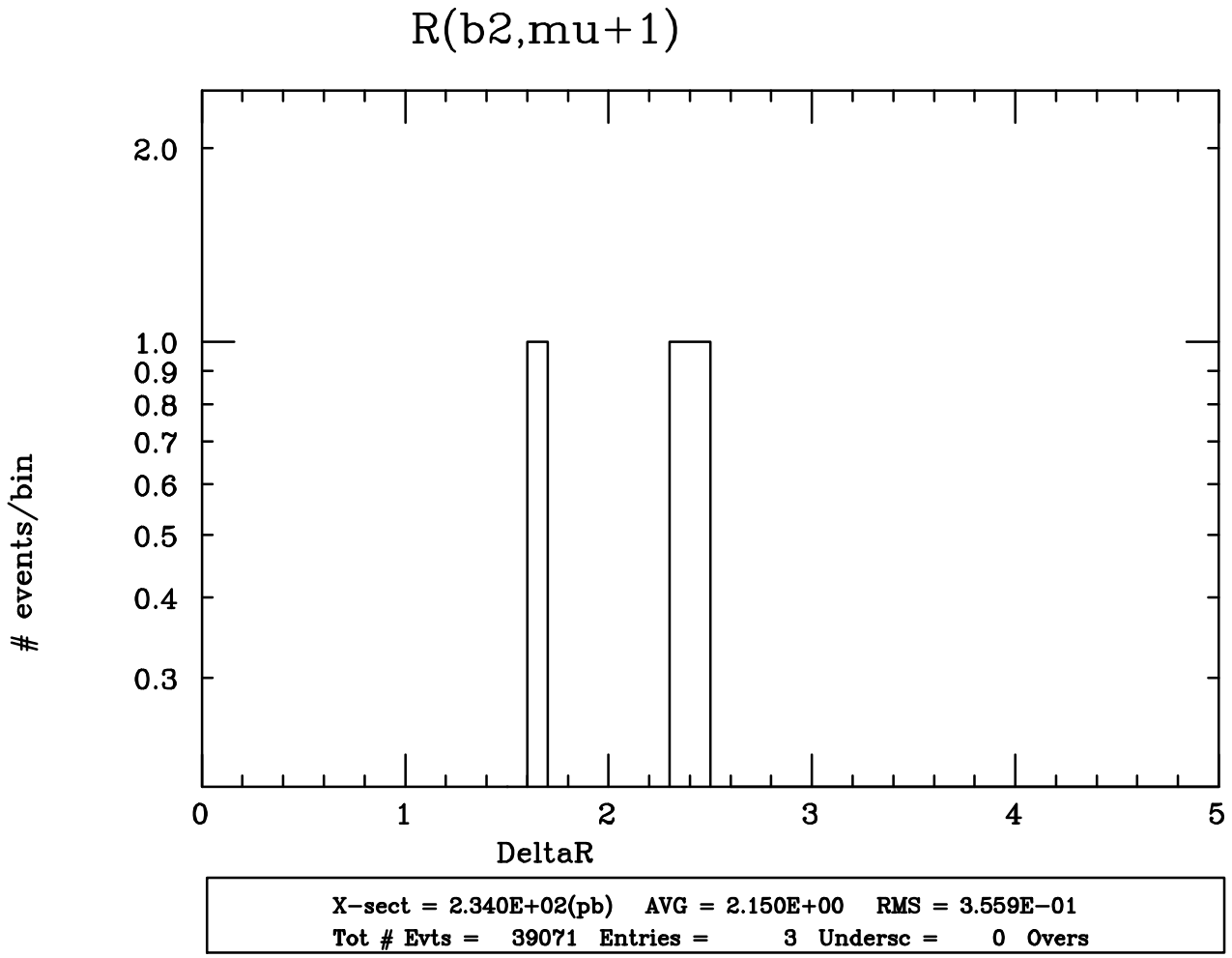

R(b1,b2)
10^2
10^1
10^0
events/bin
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 1.617E+00 RMS = 7.542E-01
Tot # Evts = 39071 Entries = 3 Undersc = 0 Overs

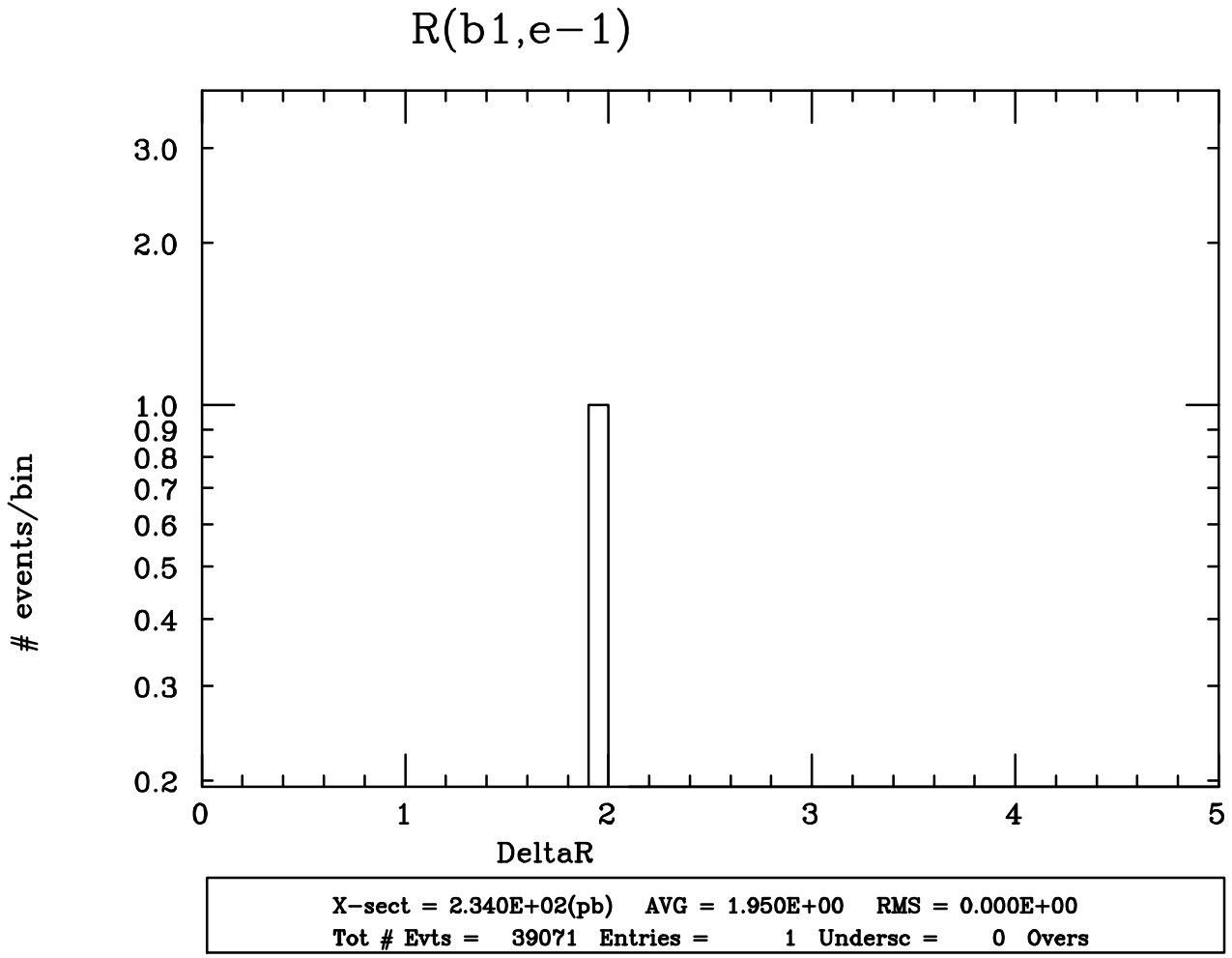

R(b1,a1)
# events/bin
5.0
1.0
0.5
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 2.300E+00 RMS = 9.500E-01
Tot # Evts = 39071 Entries = 2 Undersc = 0 Overs

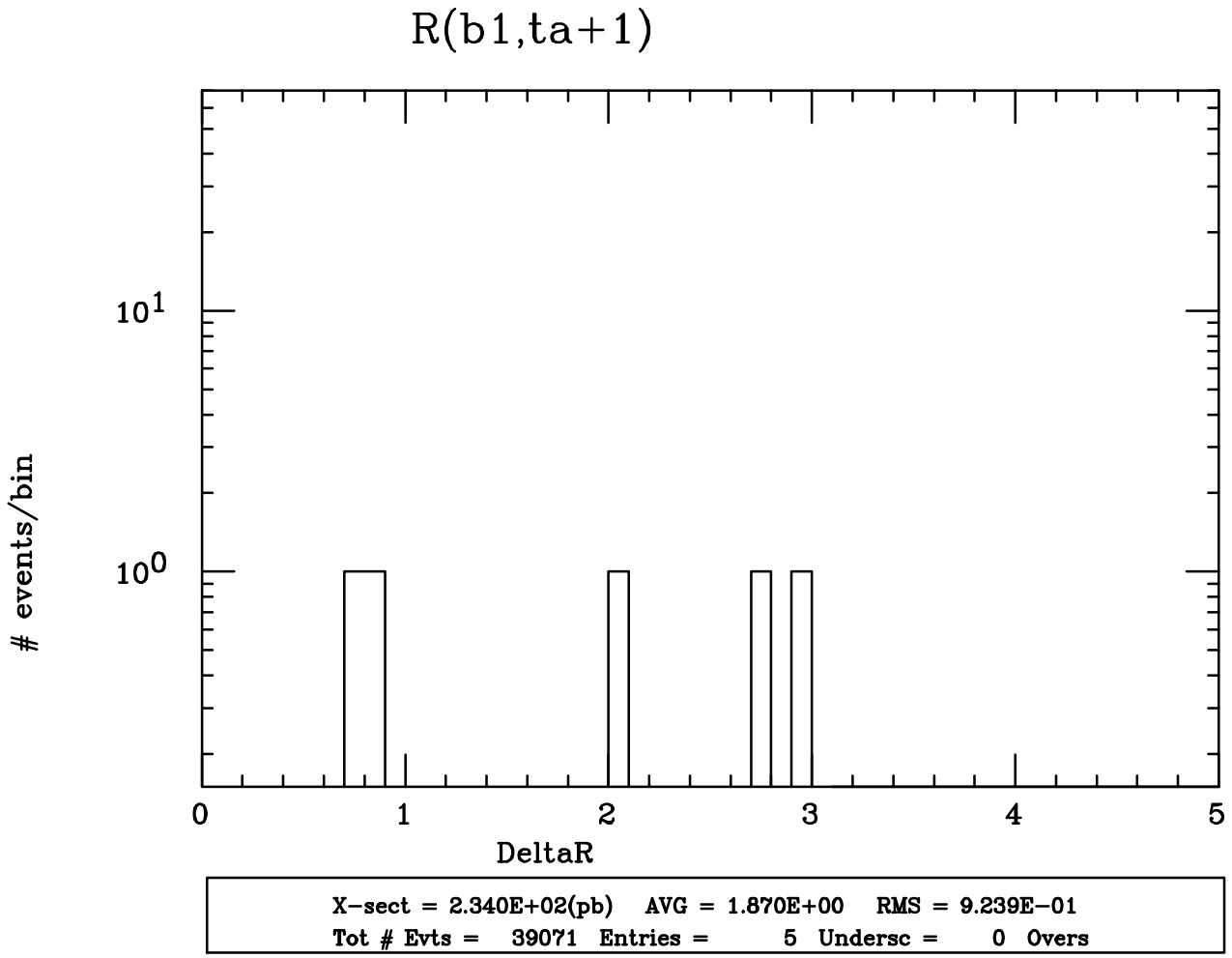

R(b1,mu−1)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X−sect = 2.340E+02(pb) AVG = 2.066E+00 RMS = 1.005E+00
Tot # Evts = 39071 Entries = 108 Undersc = 0 Overs

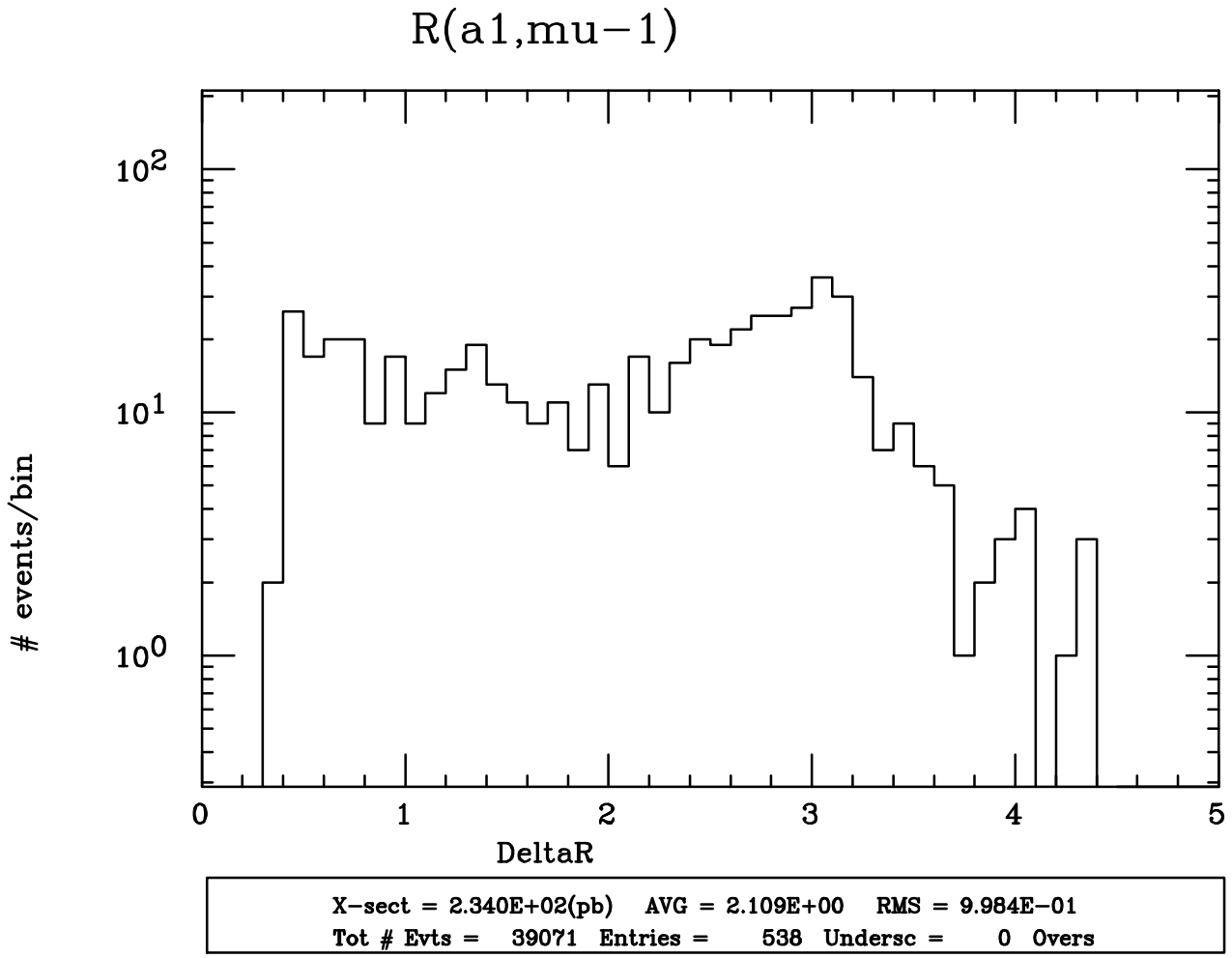

R(b2,mu−1)
# events/bin
2.00
1.75
1.50
1.25
1.00
0
1
2
3
4
5
DeltaR
X−sect = 2.340E+02(pb) AVG = 2.583E+00 RMS = 8.219E−01
Tot # Evts = 39071 Entries = 3 Undersc = 0 Overs

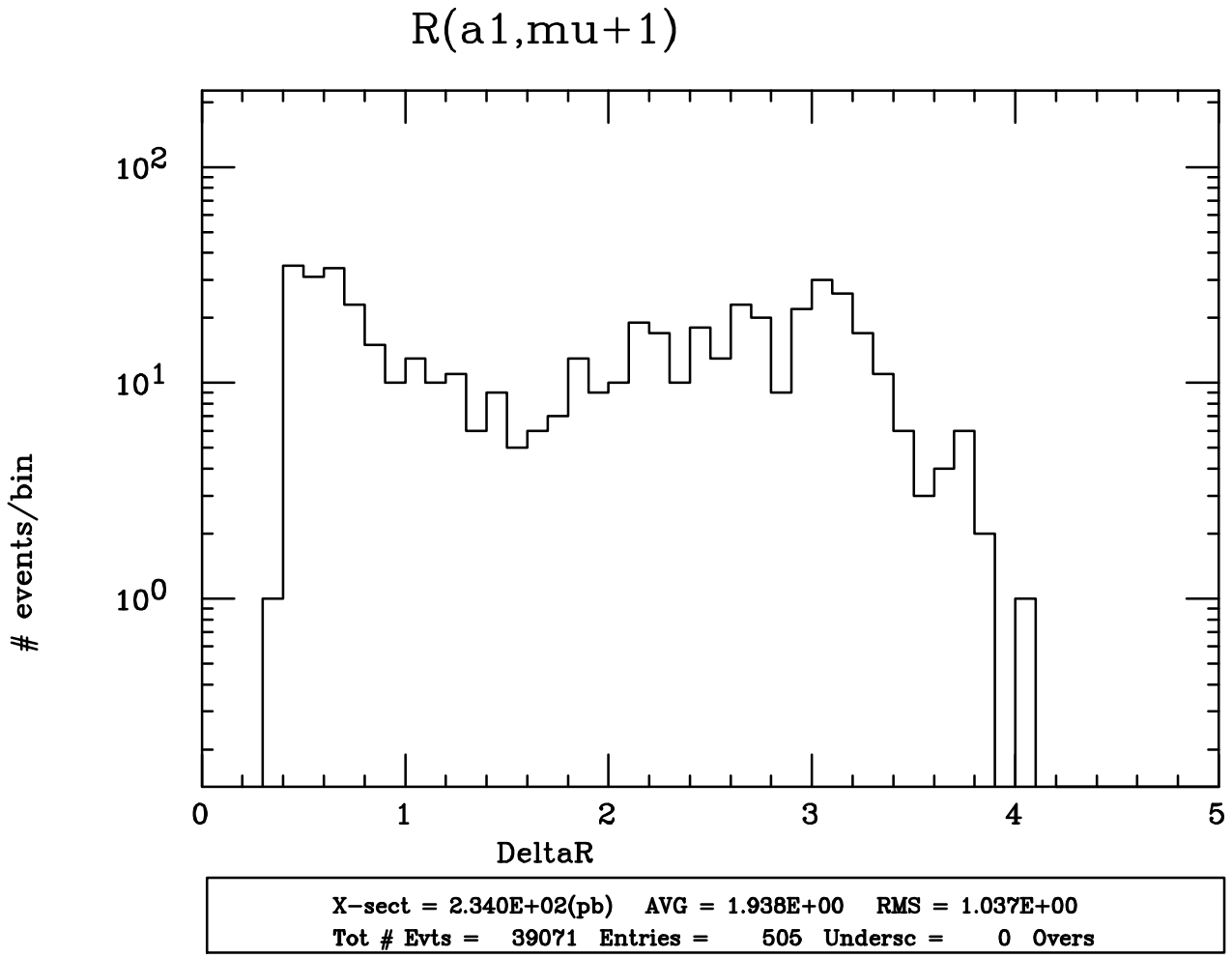

R(b1,mu+1)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 2.180E+00 RMS = 9.347E-01
Tot # Evts = 39071 Entries = 114 Undersc = 0 Overs

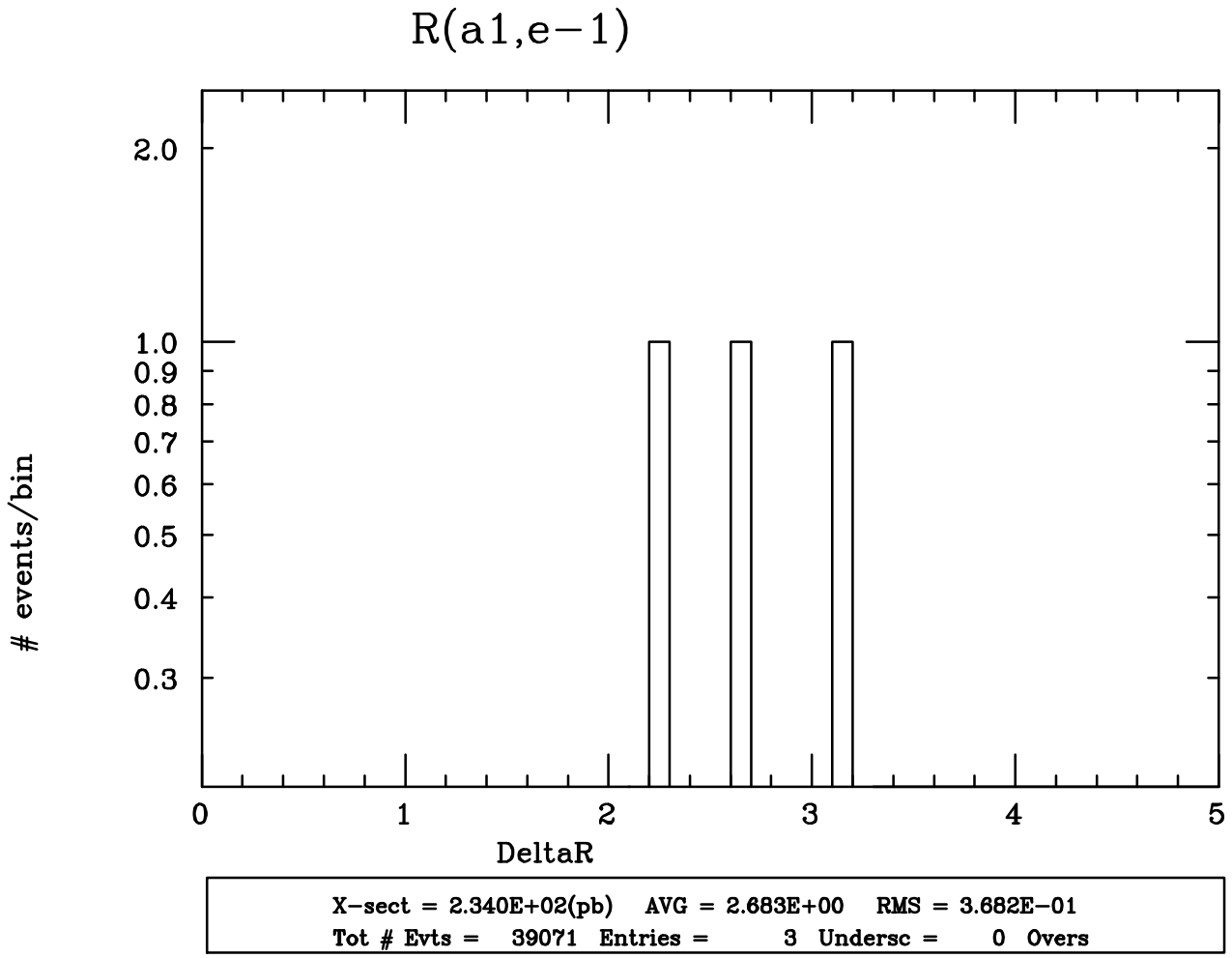

R(b2,mu+1)
# events/bin
2.0
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 2.150E+00 RMS = 3.559E-01
Tot # Evts = 39071 Entries = 3 Undersc = 0 Overs

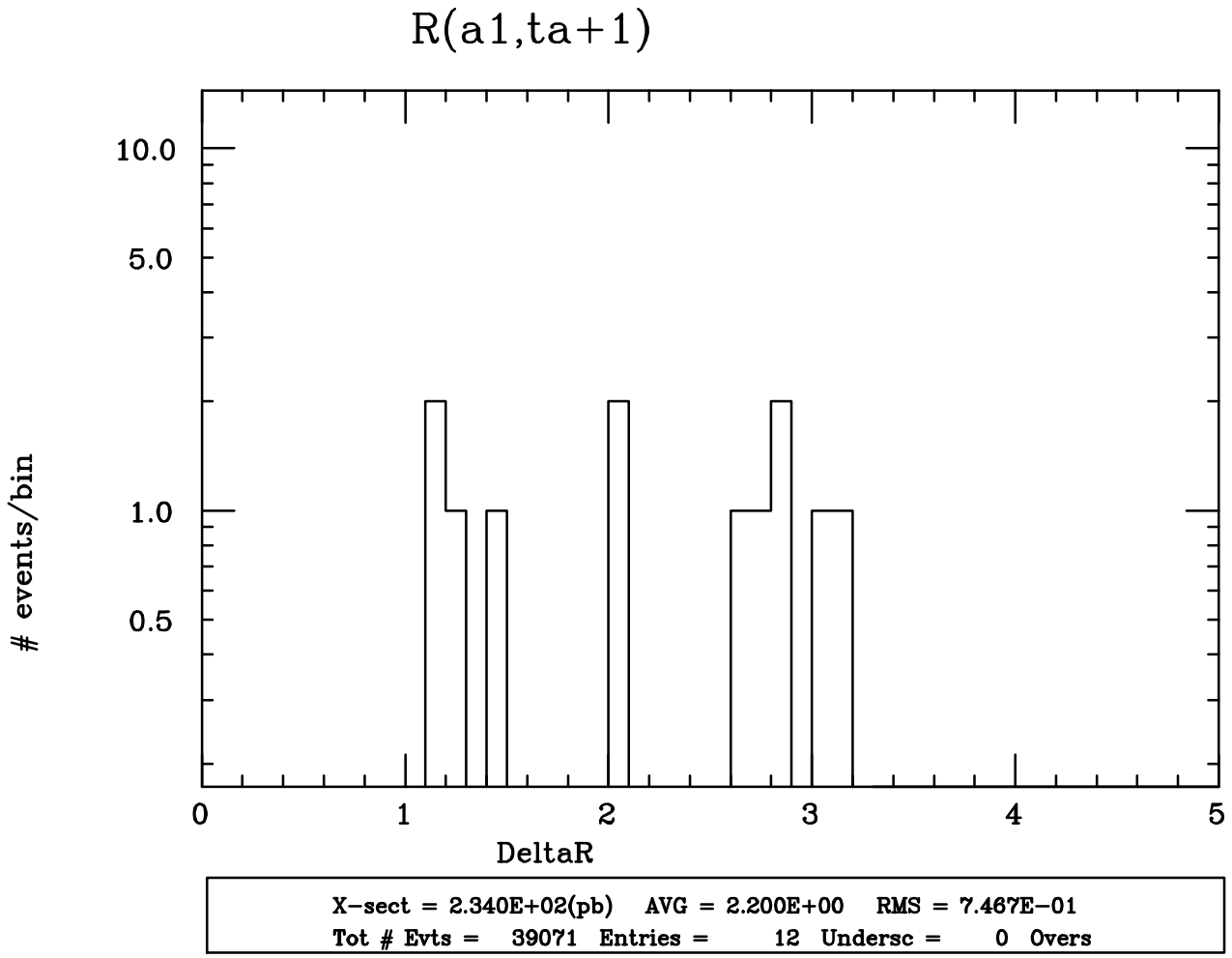

R(b1,e−1)
# events/bin
3.0
2.0
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0
1
2
3
4
5
DeltaR
X−sect = 2.340E+02(pb) AVG = 1.950E+00 RMS = 0.000E+00
Tot # Evts = 39071 Entries = 1 Undersc = 0 Overs

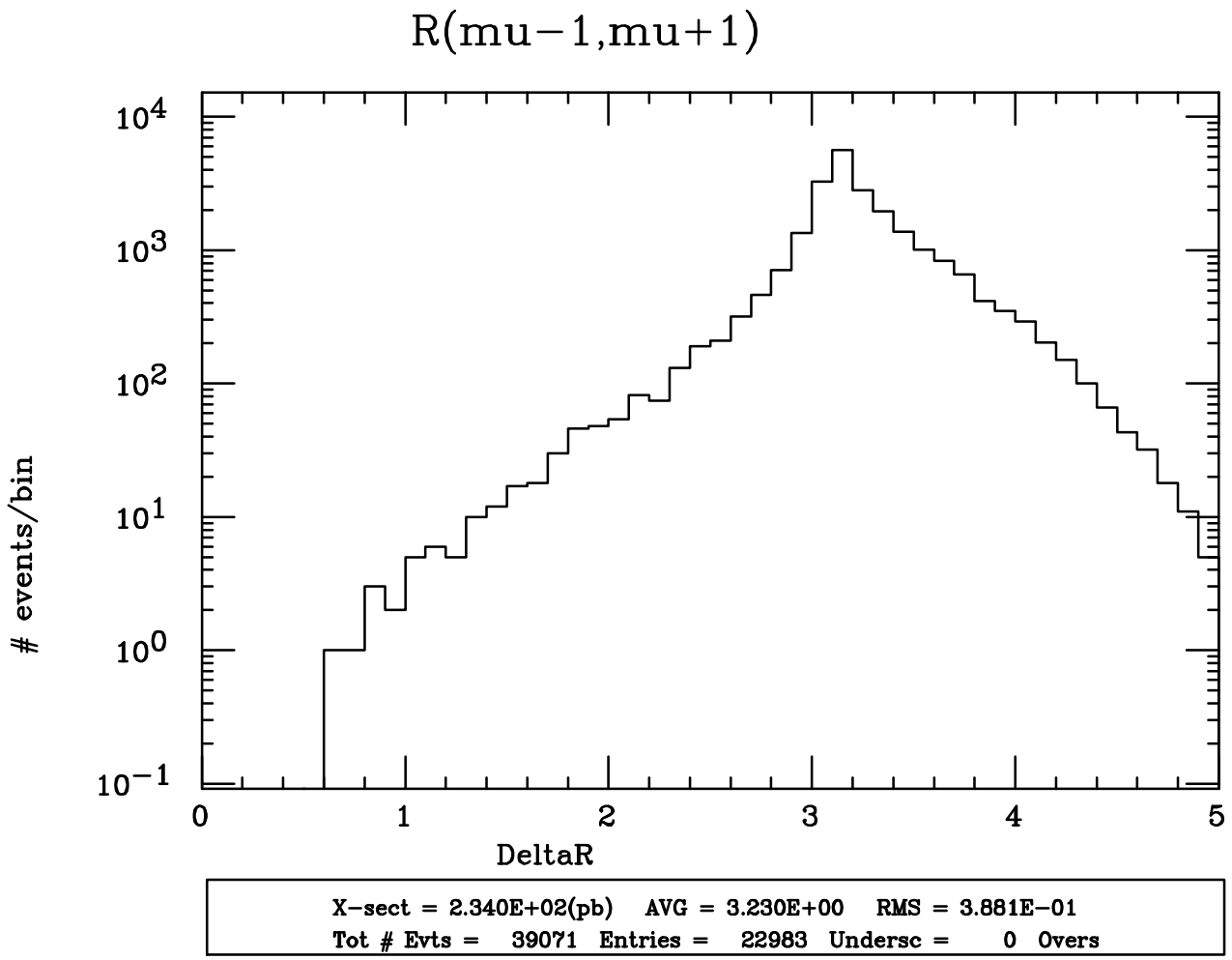

R(b1,ta+1)
# events/bin
10^1
10^0
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 1.870E+00 RMS = 9.239E-01
Tot # Evts = 39071 Entries = 5 Undersc = 0 Overs

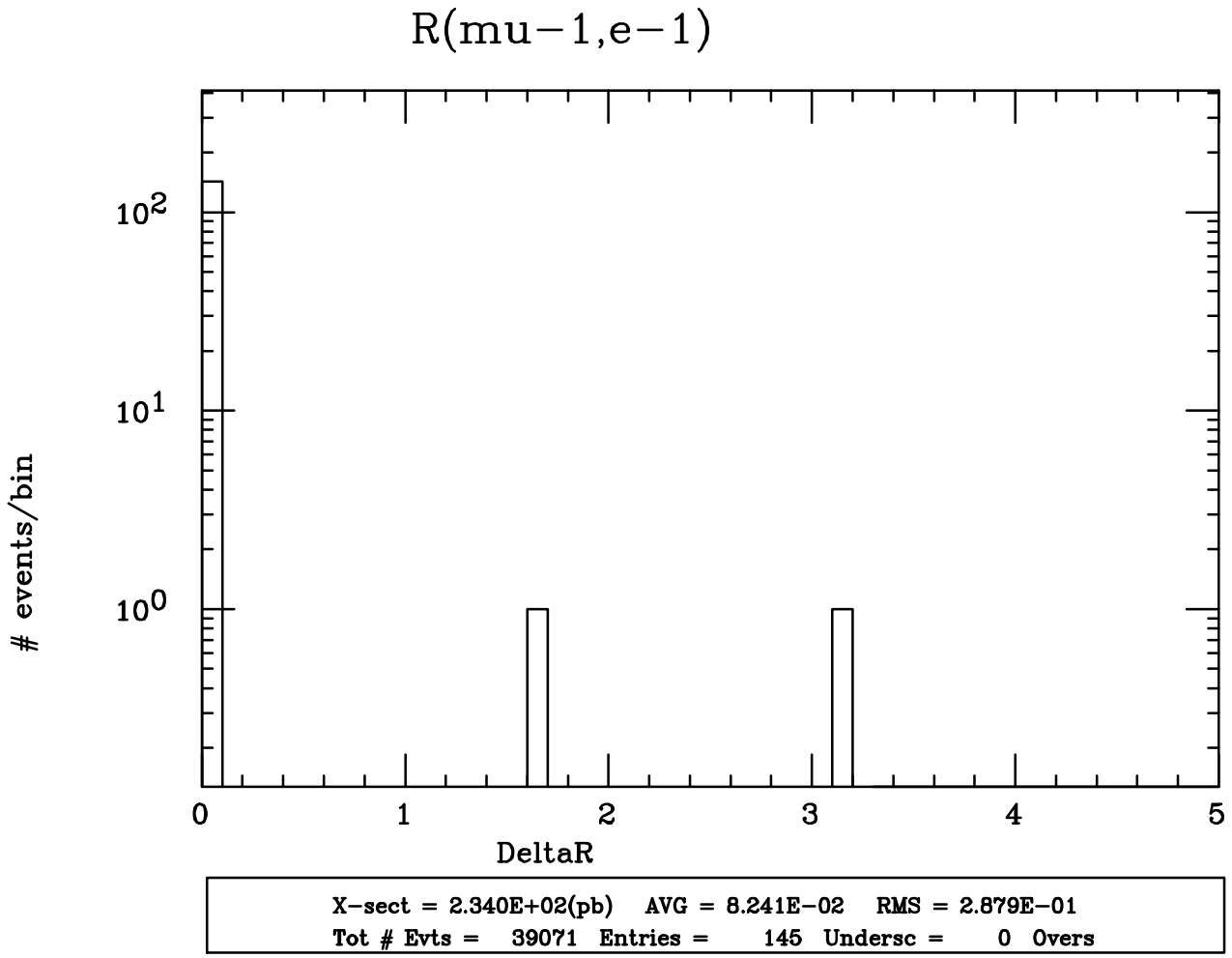

R(a1,mu−1)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X−sect = 2.340E+02(pb) AVG = 2.109E+00 RMS = 9.984E−01
Tot # Evts = 39071 Entries = 538 Undersc = 0 Overs

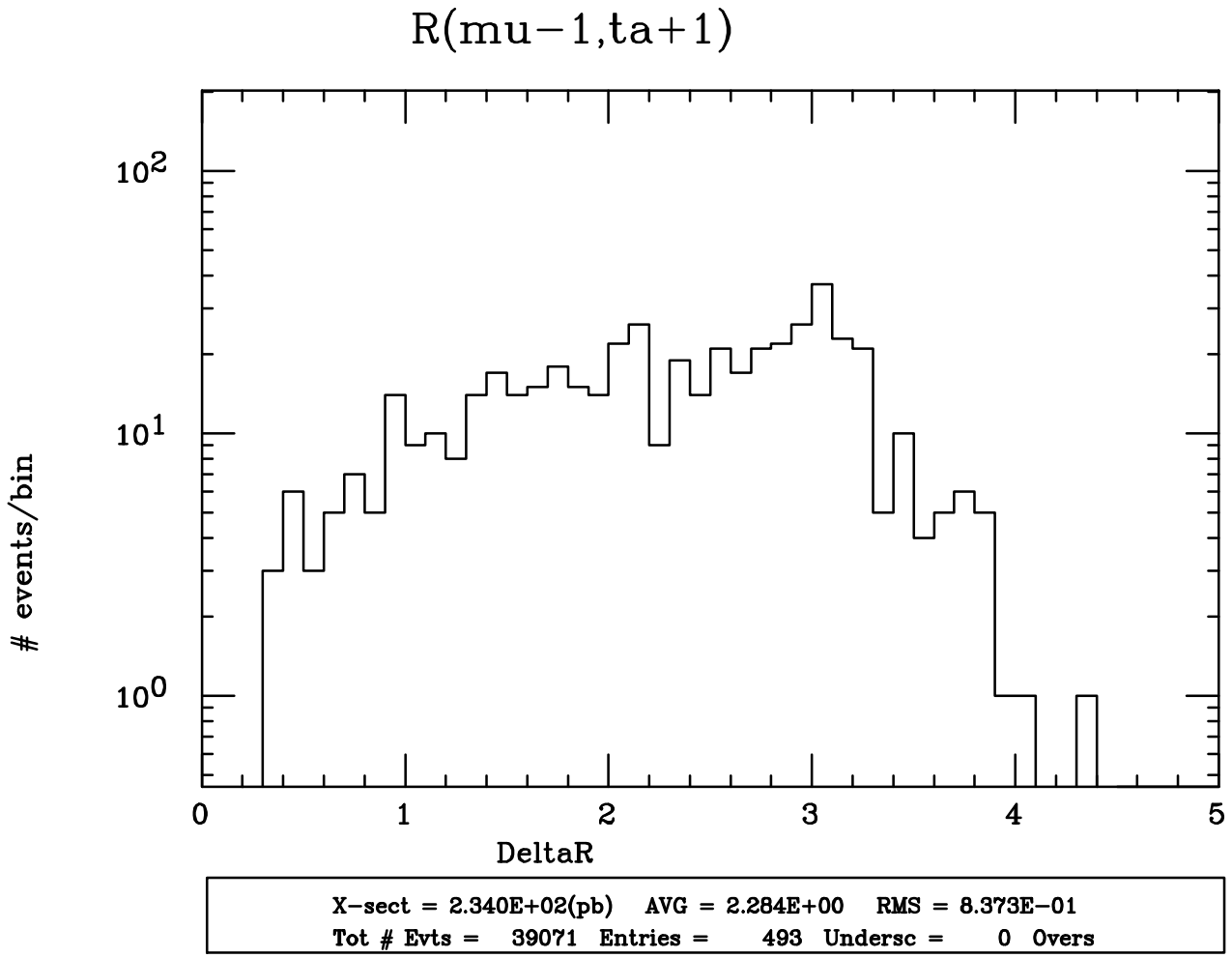

R(a1,mu+1)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 1.938E+00 RMS = 1.037E+00
Tot # Evts = 39071 Entries = 505 Undersc = 0 Overs

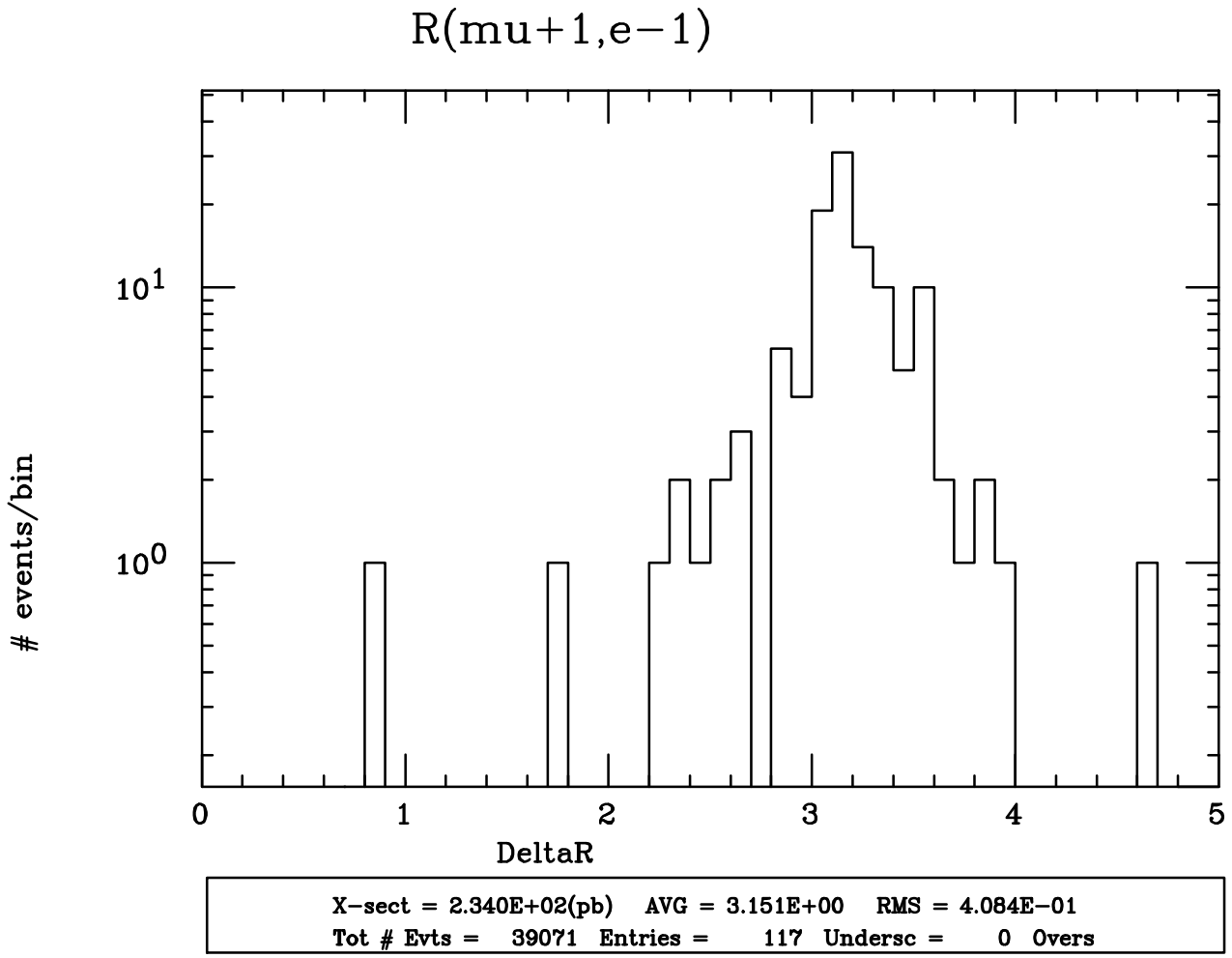

R(a1,e−1)
# events/bin
2.0
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0
1
2
3
4
5
DeltaR
X−sect = 2.340E+02(pb) AVG = 2.683E+00 RMS = 3.682E−01
Tot # Evts = 39071 Entries = 3 Undersc = 0 Overs

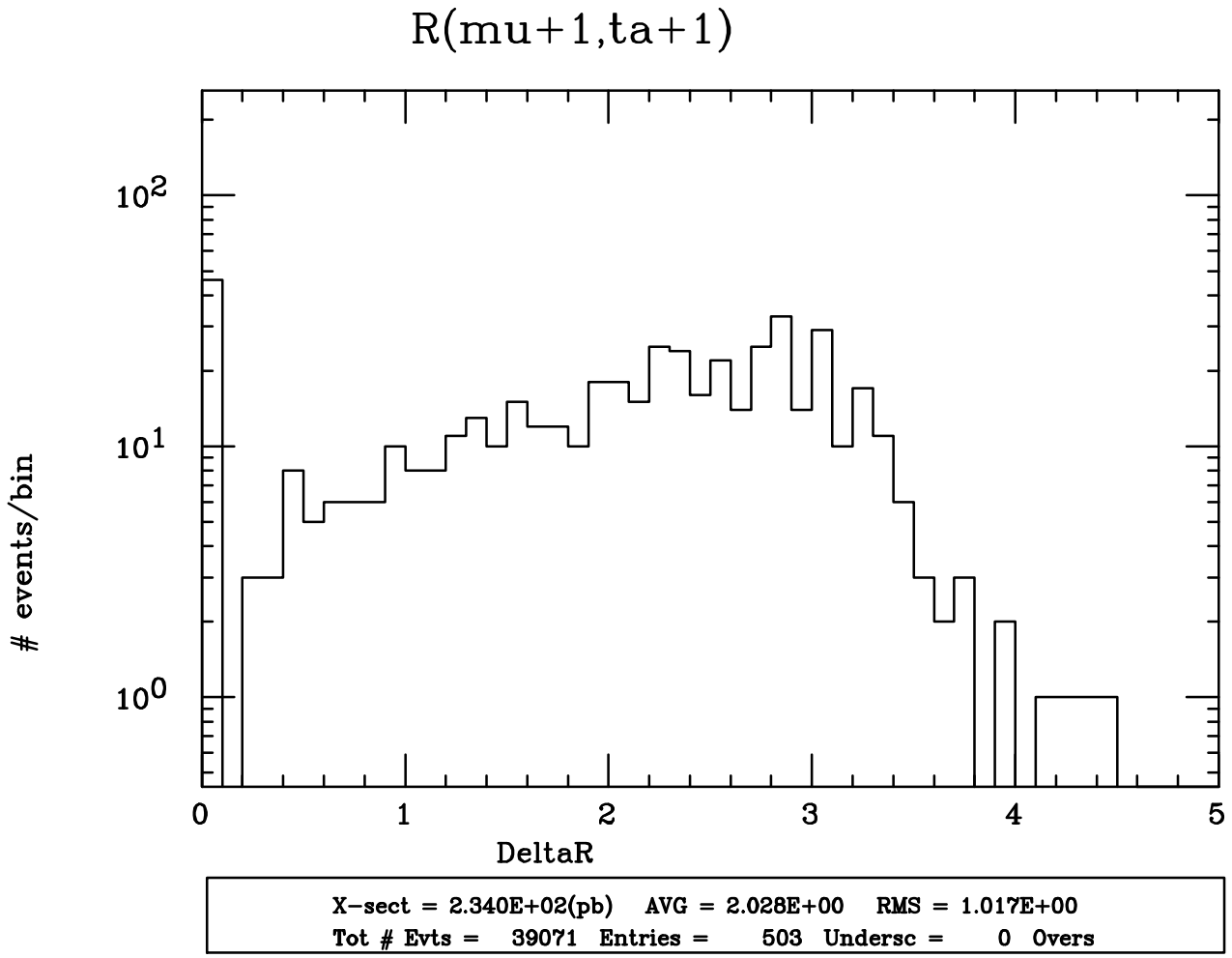

R(a1,ta+1)
10.0
5.0
1.0
0.5
events/bin
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 2.200E+00 RMS = 7.467E-01
Tot # Evts = 39071 Entries = 12 Undersc = 0 Overs

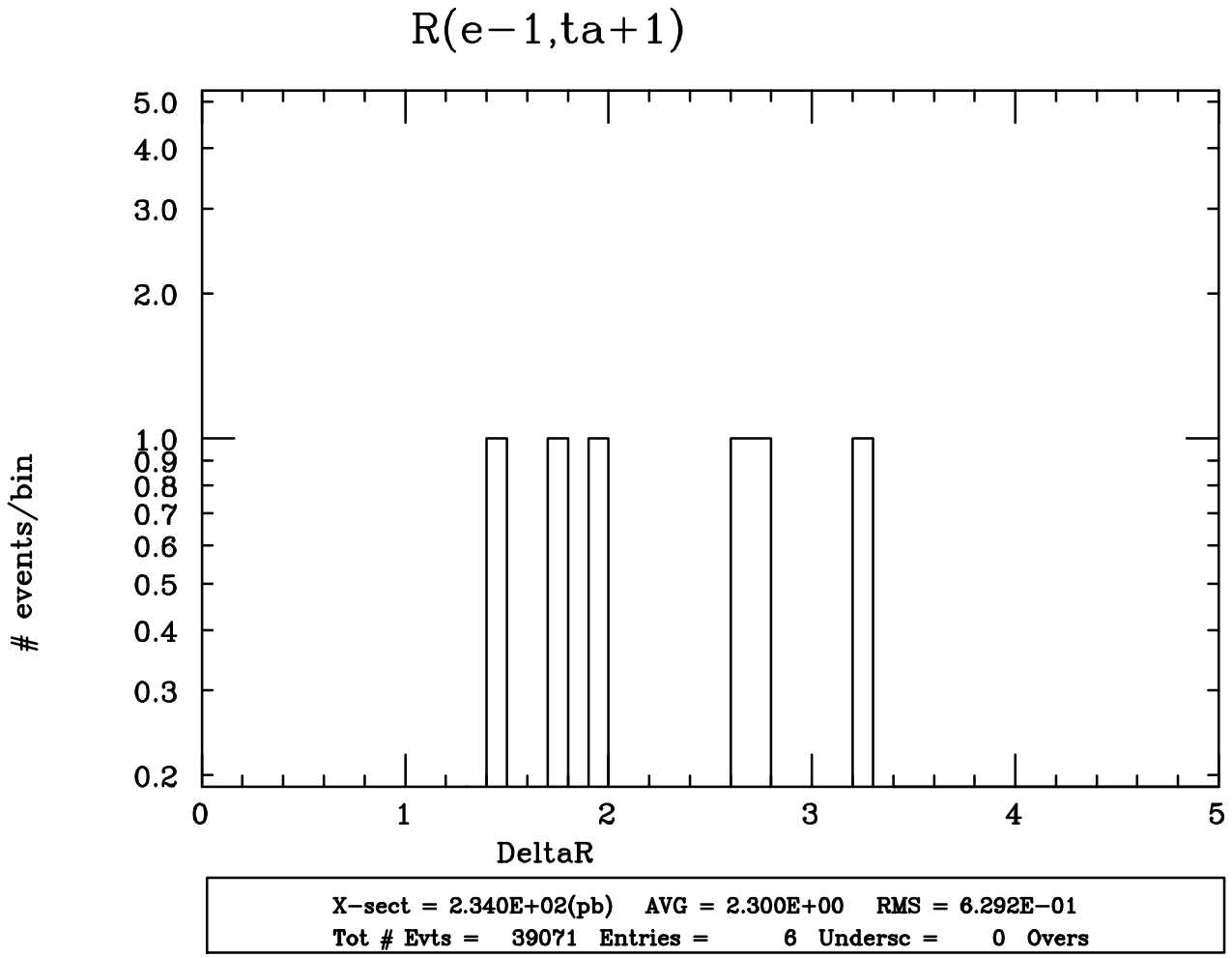

R(mu−1,mu+1)
# events/bin
DeltaR
X−sect = 2.340E+02(pb) AVG = 3.230E+00 RMS = 3.881E−01
Tot # Evts = 39071 Entries = 22983 Undersc = 0 Overs

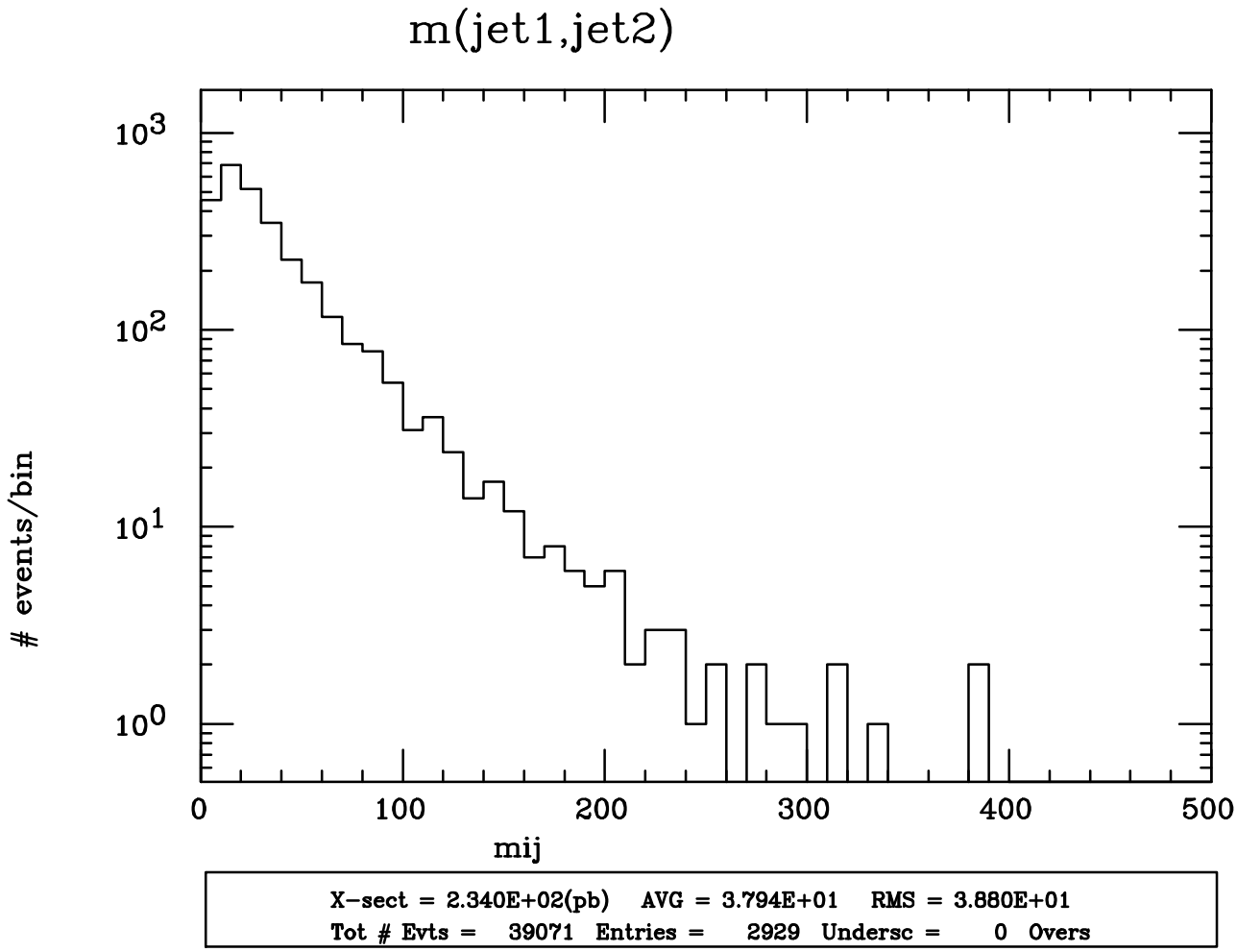

R(mu−1,e−1)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X−sect = 2.340E+02(pb) AVG = 8.241E−02 RMS = 2.879E−01
Tot # Evts = 39071 Entries = 145 Undersc = 0 Overs

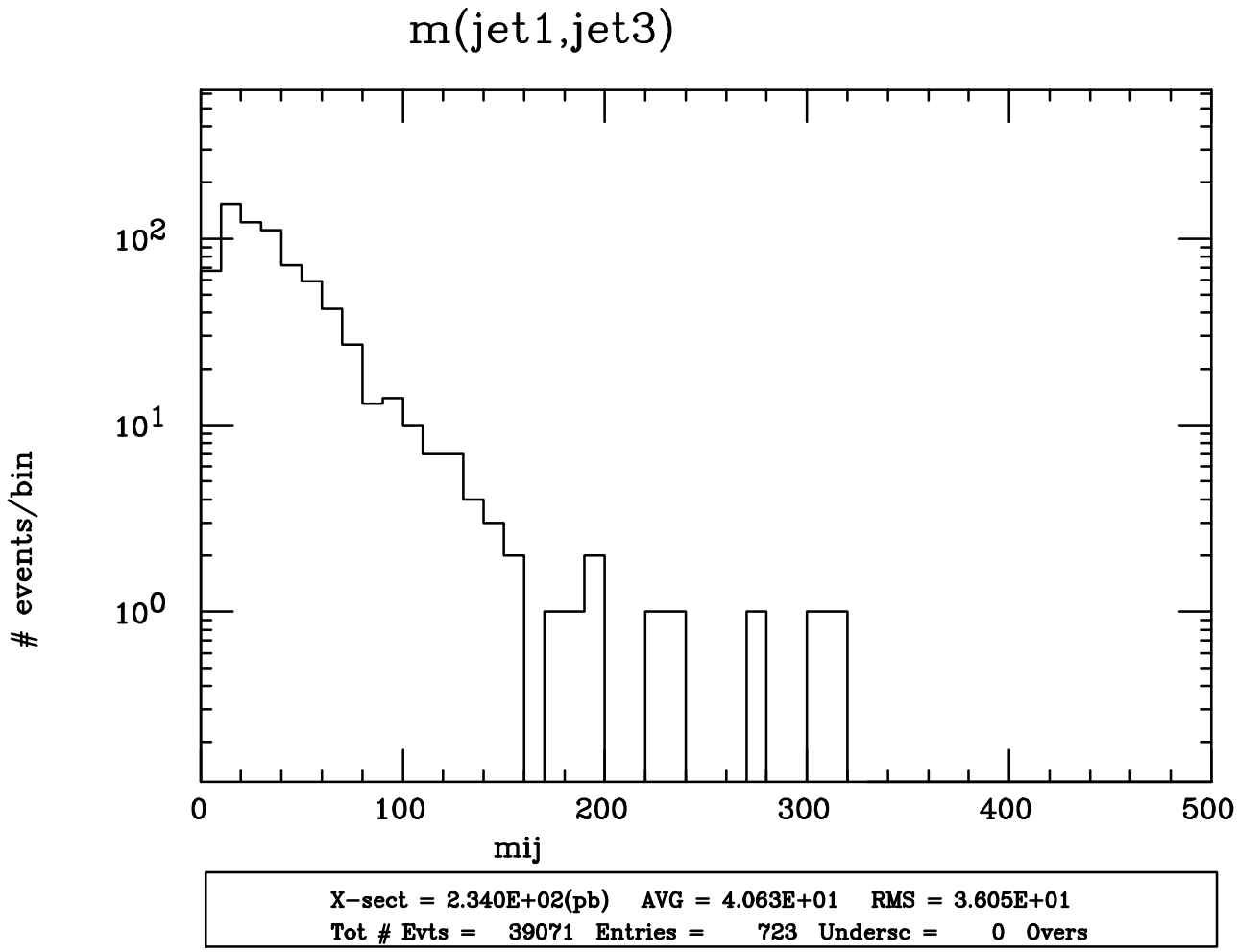

R(mu−1,ta+1)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X−sect = 2.340E+02(pb) AVG = 2.284E+00 RMS = 8.373E−01
Tot # Evts = 39071 Entries = 493 Undersc = 0 Overs

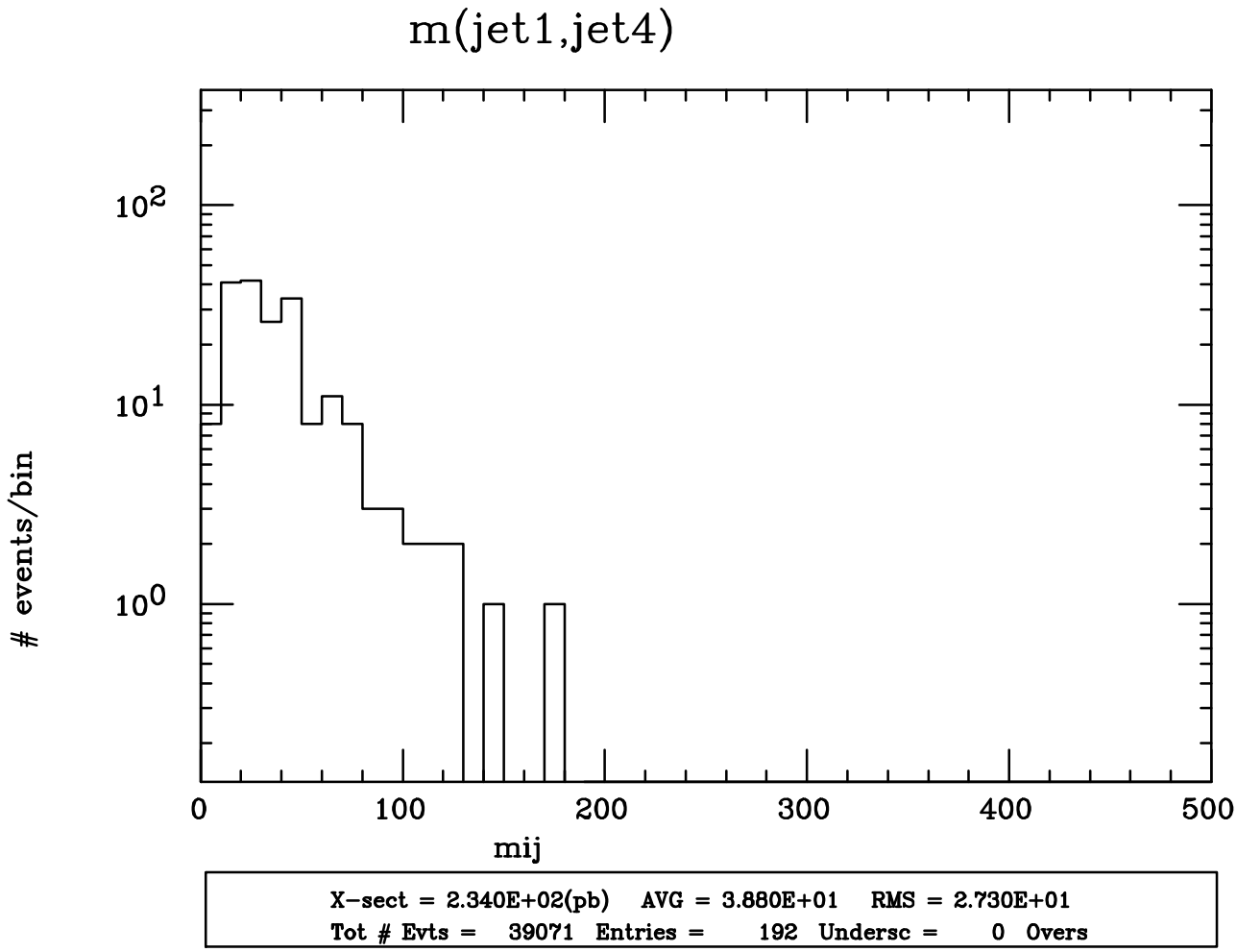

R(mu+1,e−1)
# events/bin
10^1
10^0
0
1
2
3
4
5
DeltaR
X−sect = 2.340E+02(pb) AVG = 3.151E+00 RMS = 4.084E−01
Tot # Evts = 39071 Entries = 117 Undersc = 0 Overs

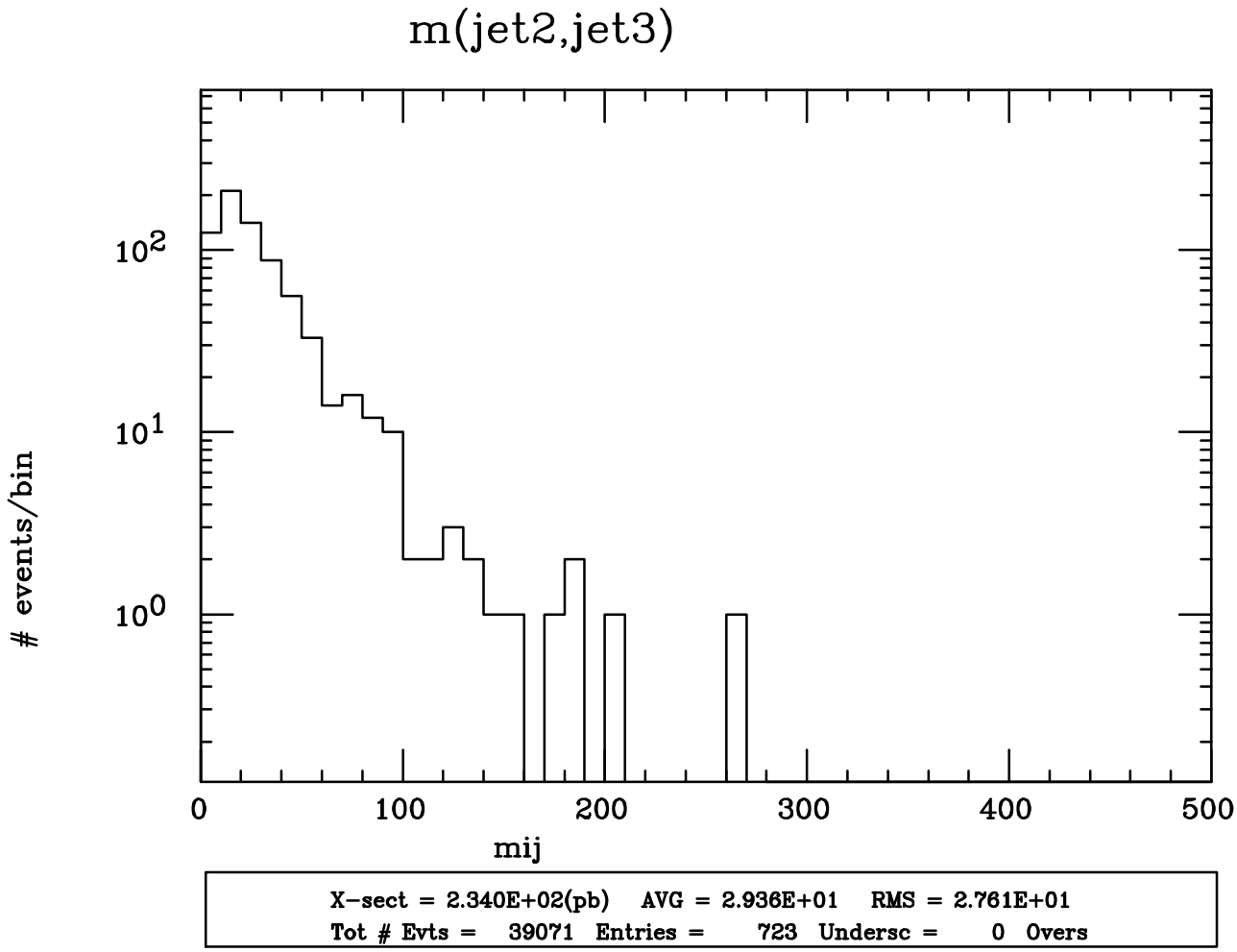

R(mu+1,ta+1)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X-sect = 2.340E+02(pb) AVG = 2.028E+00 RMS = 1.017E+00
Tot # Evts = 39071 Entries = 503 Undersc = 0 Overs

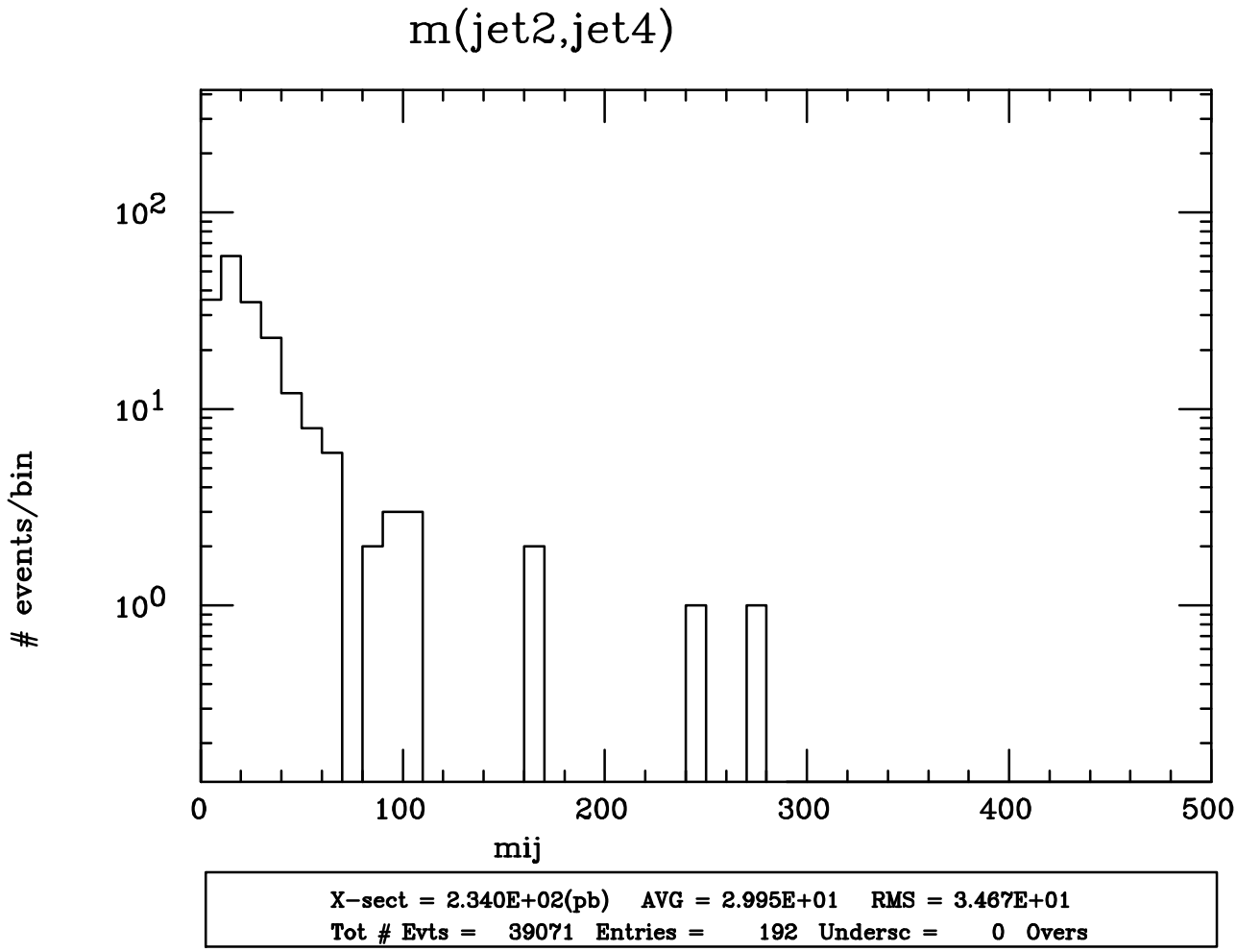

R(e−1,ta+1)
# events/bin
5.0
4.0
3.0
2.0
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0
1
2
3
4
5
DeltaR
X−sect = 2.340E+02(pb) AVG = 2.300E+00 RMS = 6.292E−01
Tot # Evts = 39071 Entries = 6 Undersc = 0 Overs

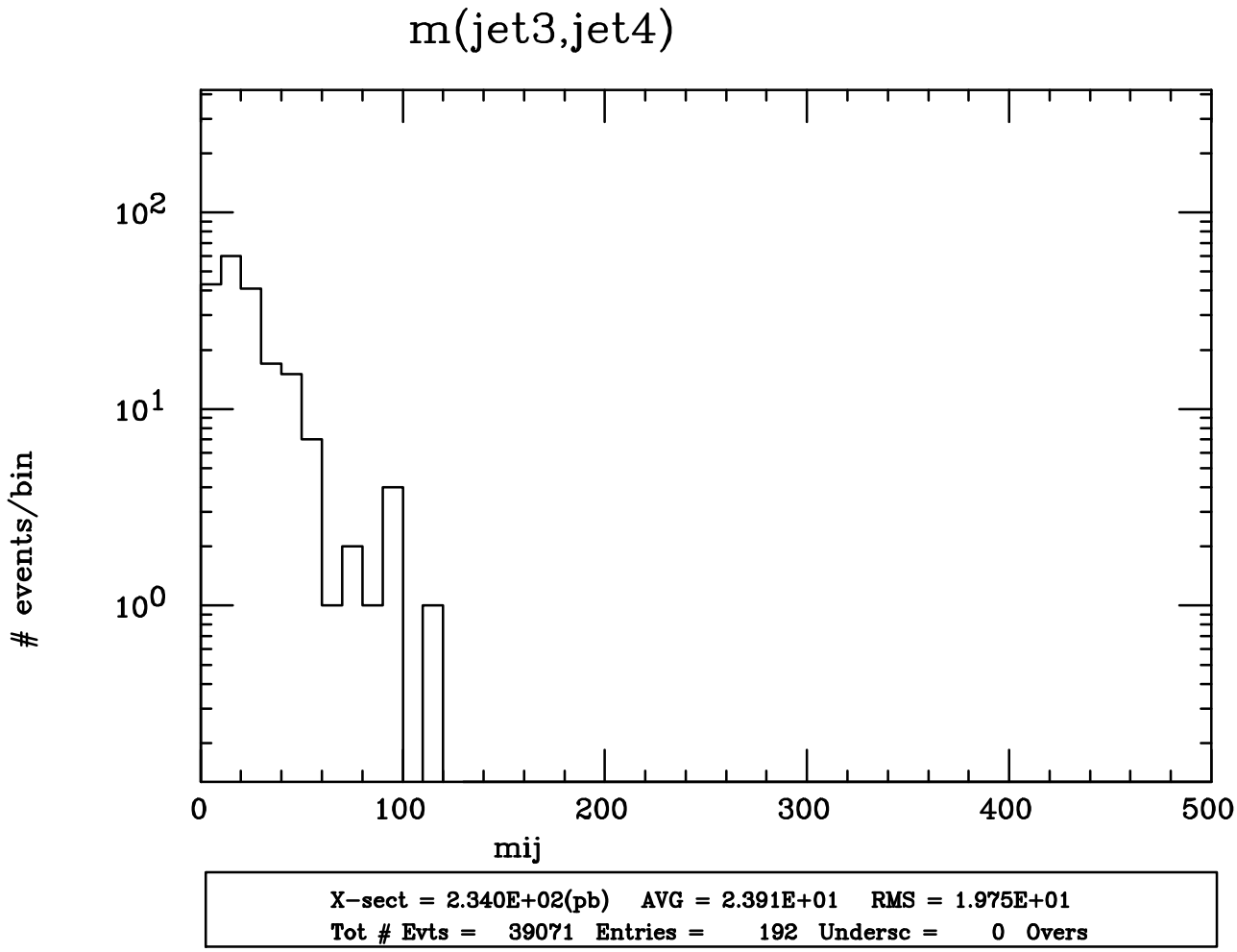

m(jet1,jet2)
# events/bin
10^3
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 3.794E+01 RMS = 3.880E+01
Tot # Evts = 39071 Entries = 2929 Undersc = 0 Overs

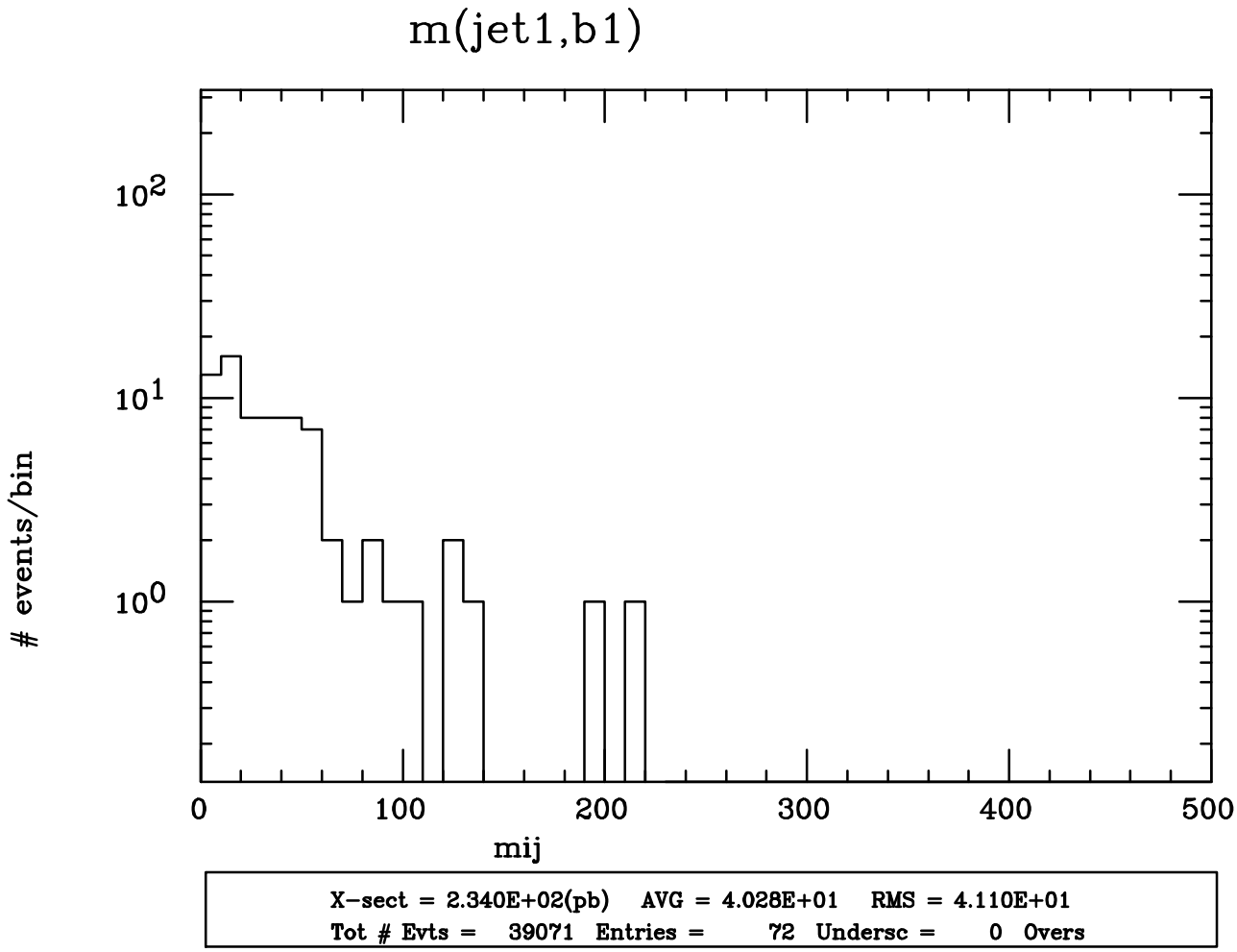

m(jet1,jet3)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 4.063E+01 RMS = 3.605E+01
Tot # Evts = 39071 Entries = 723 Undersc = 0 Overs

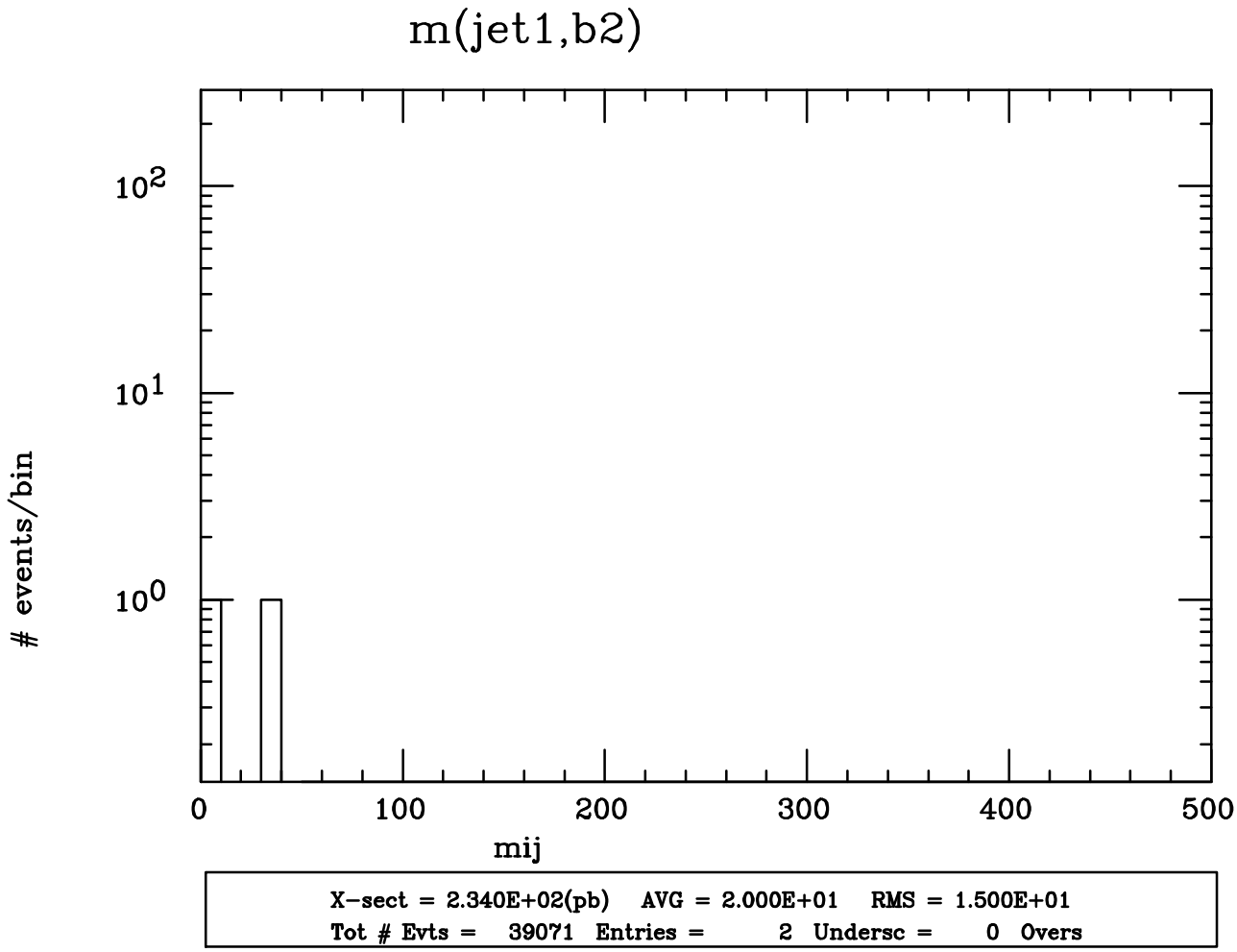

m(jet1,jet4)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 3.880E+01 RMS = 2.730E+01
Tot # Evts = 39071 Entries = 192 Undersc = 0 Overs

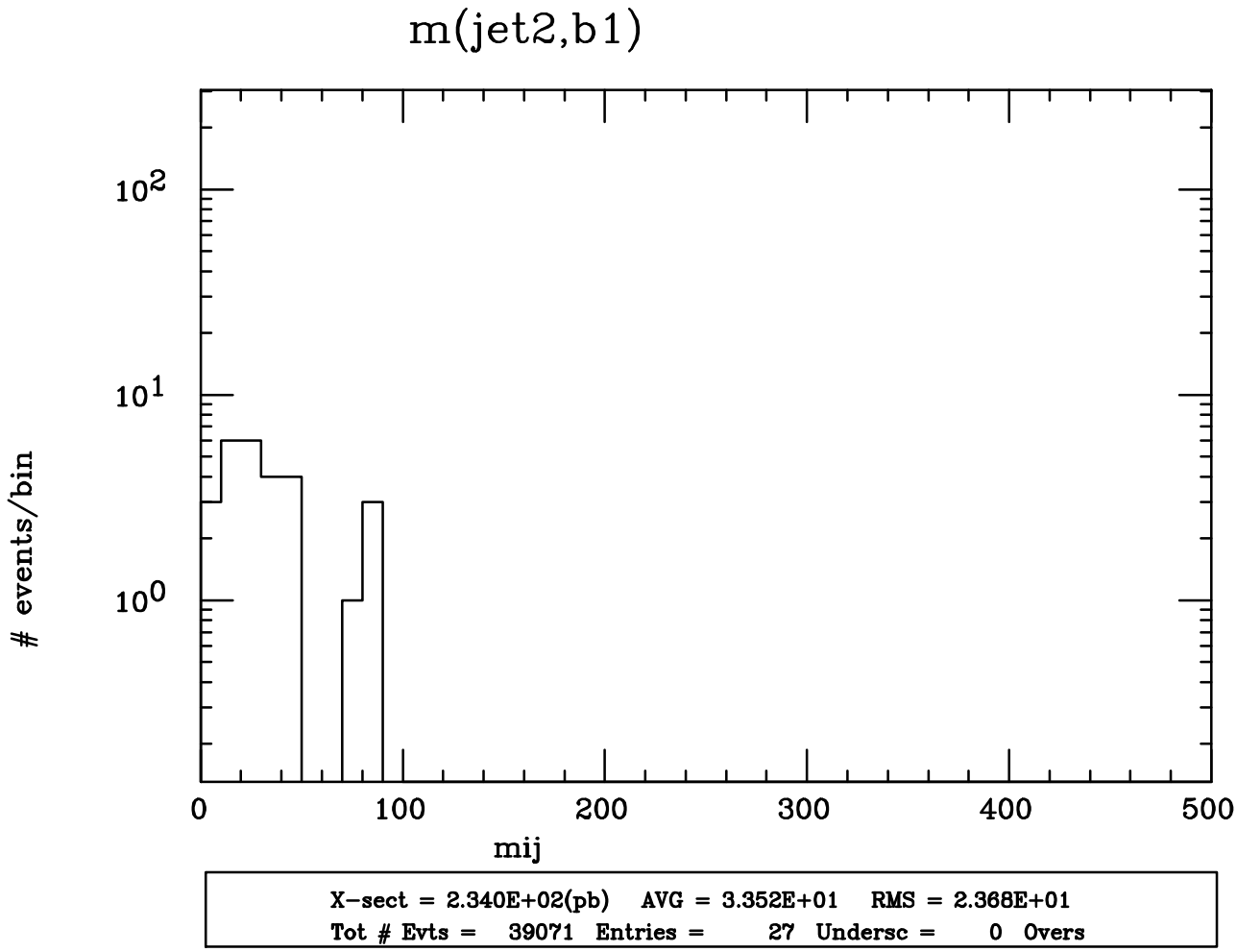

m(jet2,jet3)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 2.936E+01 RMS = 2.761E+01
Tot # Evts = 39071 Entries = 723 Undersc = 0 Overs

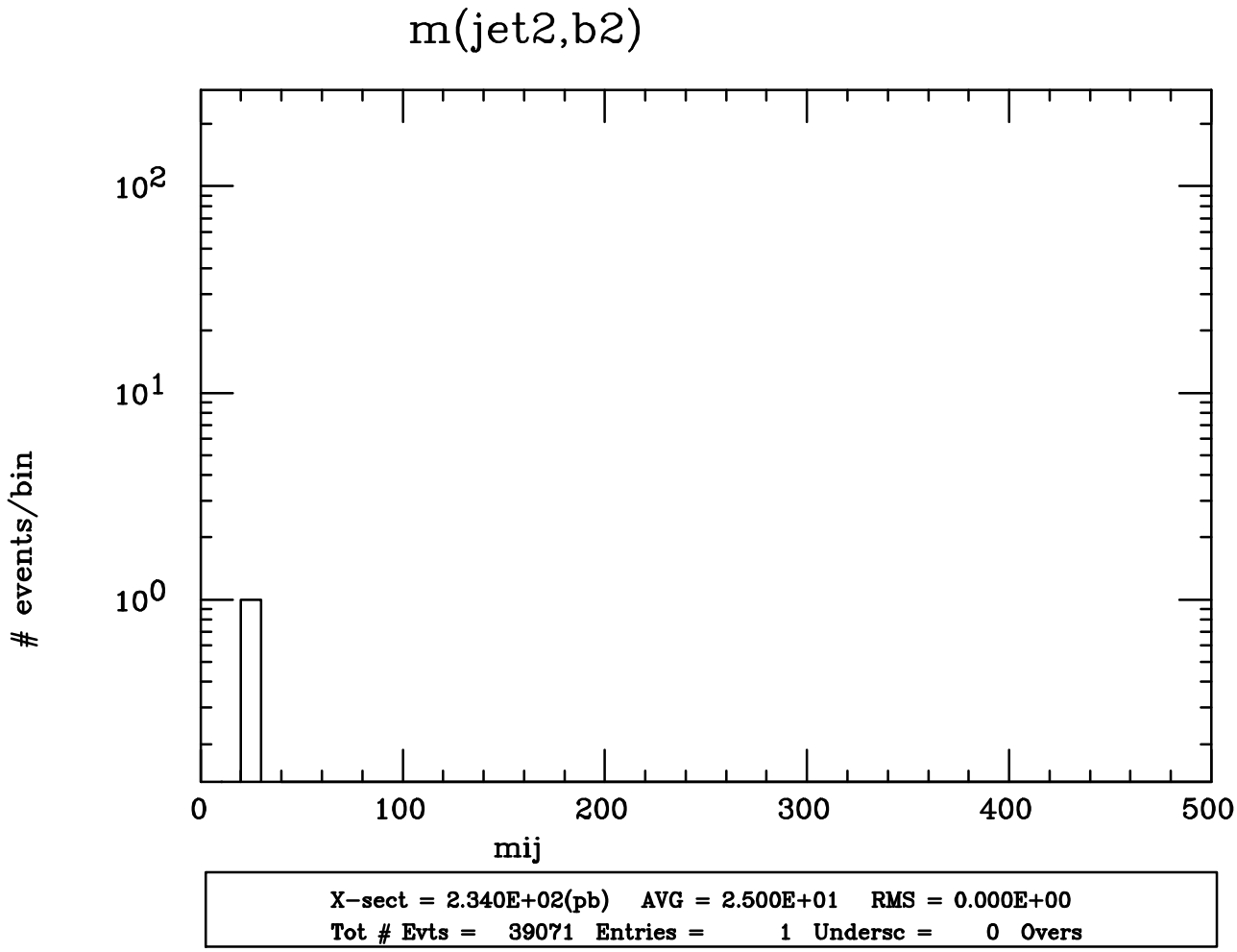

m(jet2,jet4)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 2.995E+01 RMS = 3.467E+01
Tot # Evts = 39071 Entries = 192 Undersc = 0 Overs

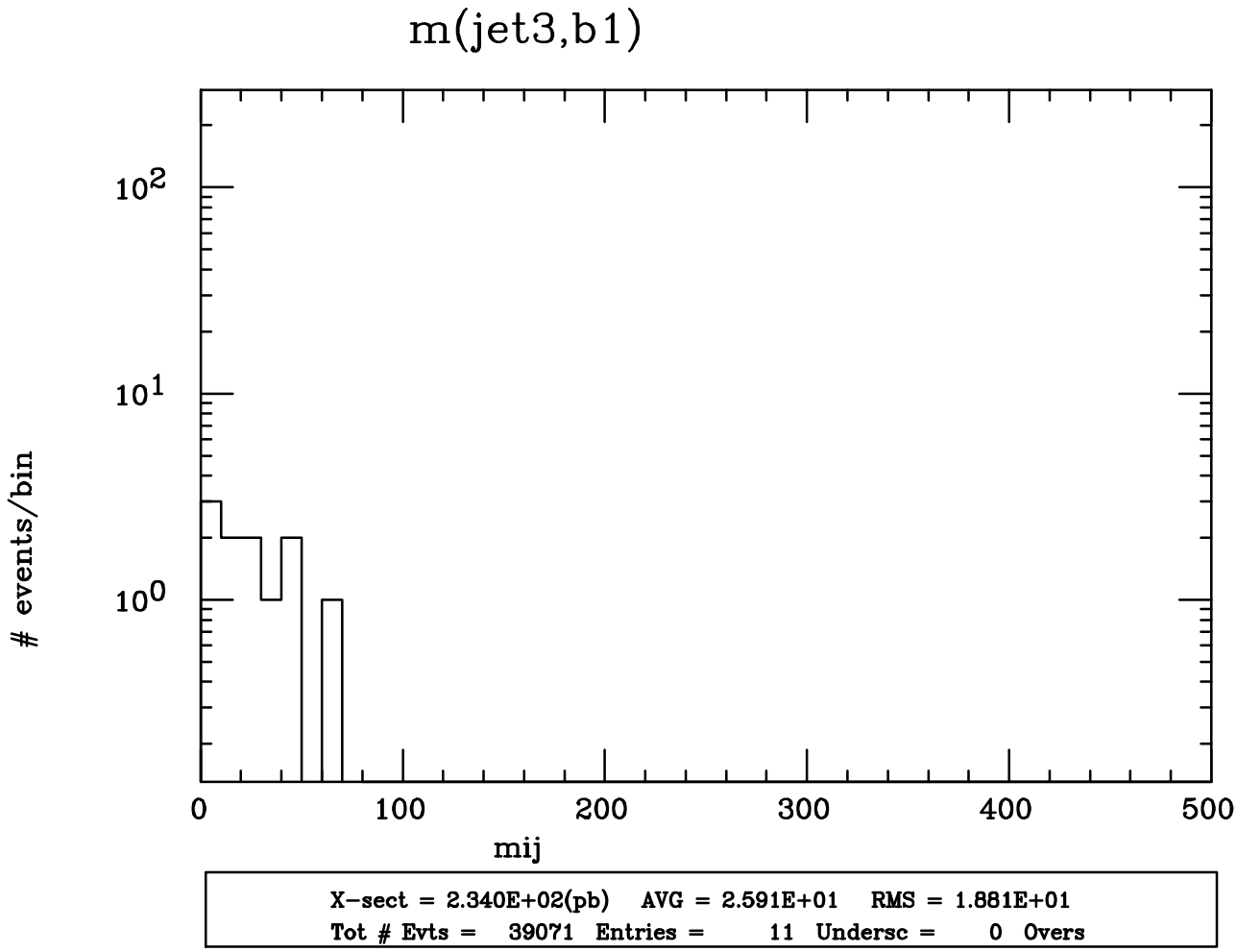

m(jet3,jet4)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 2.391E+01 RMS = 1.975E+01
Tot # Evts = 39071 Entries = 192 Undersc = 0 Overs

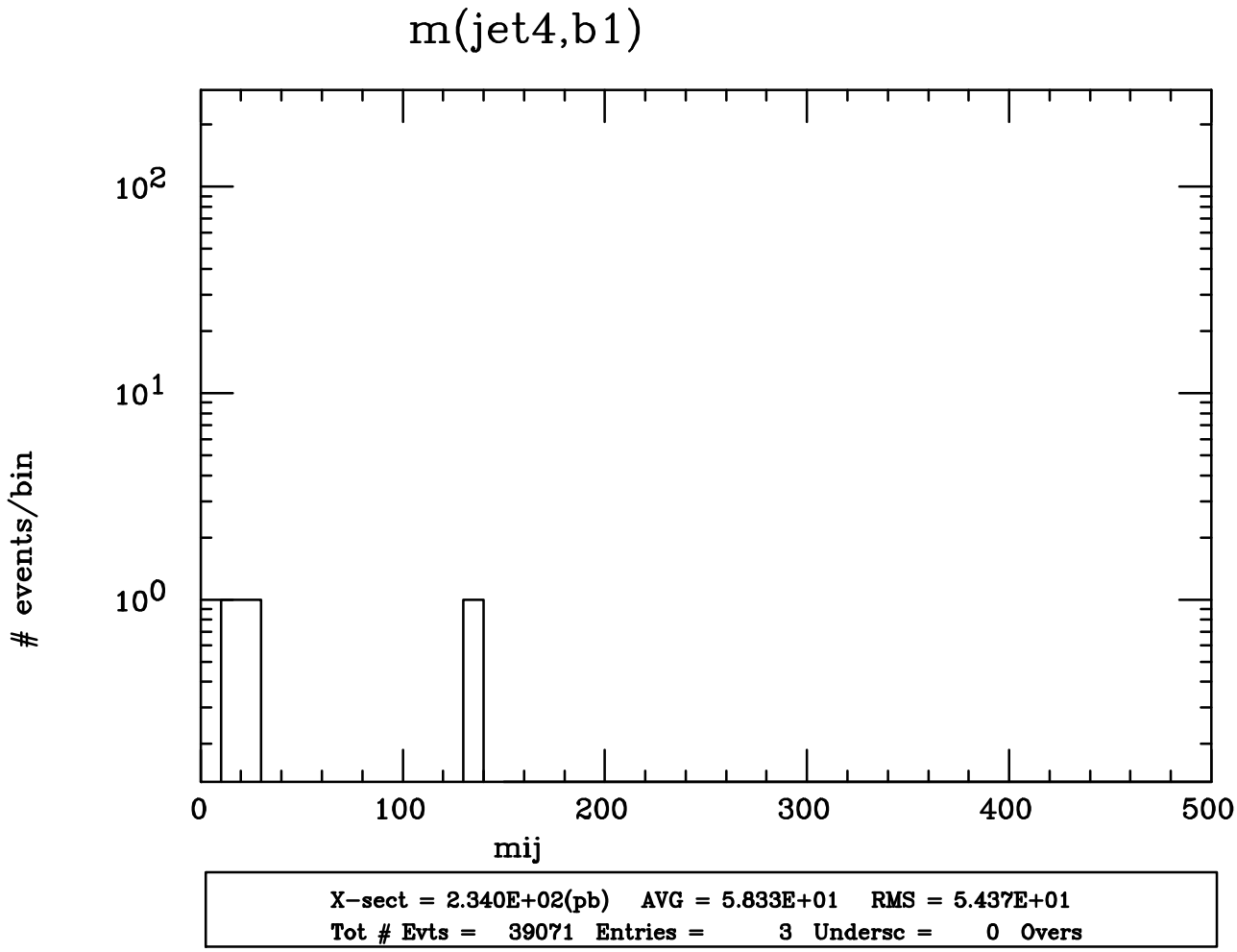

m(jet1,b1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 4.028E+01 RMS = 4.110E+01
Tot # Evts = 39071 Entries = 72 Undersc = 0 Overs

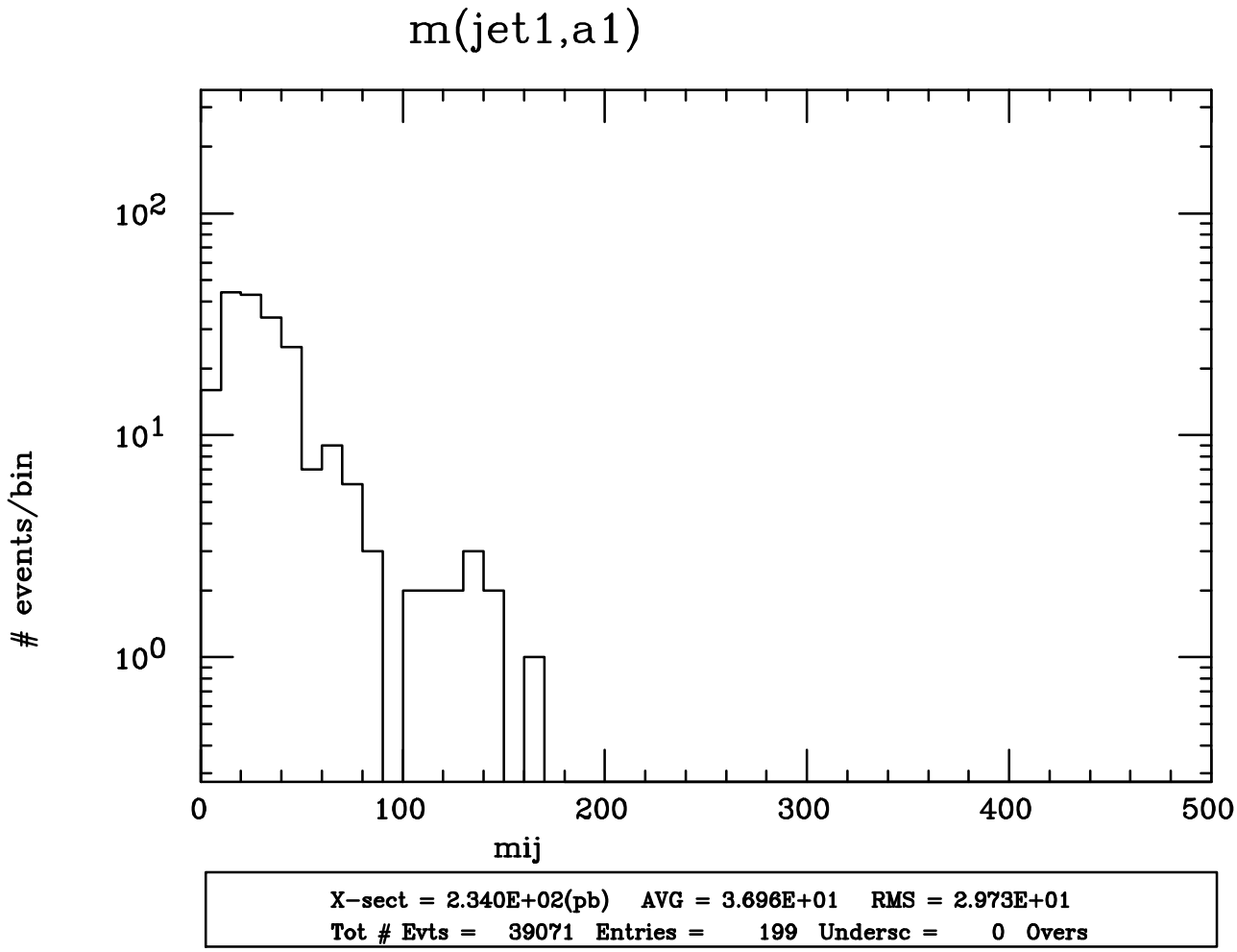

m(jet1,b2)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 2.000E+01 RMS = 1.500E+01
Tot # Evts = 39071 Entries = 2 Undersc = 0 Overs

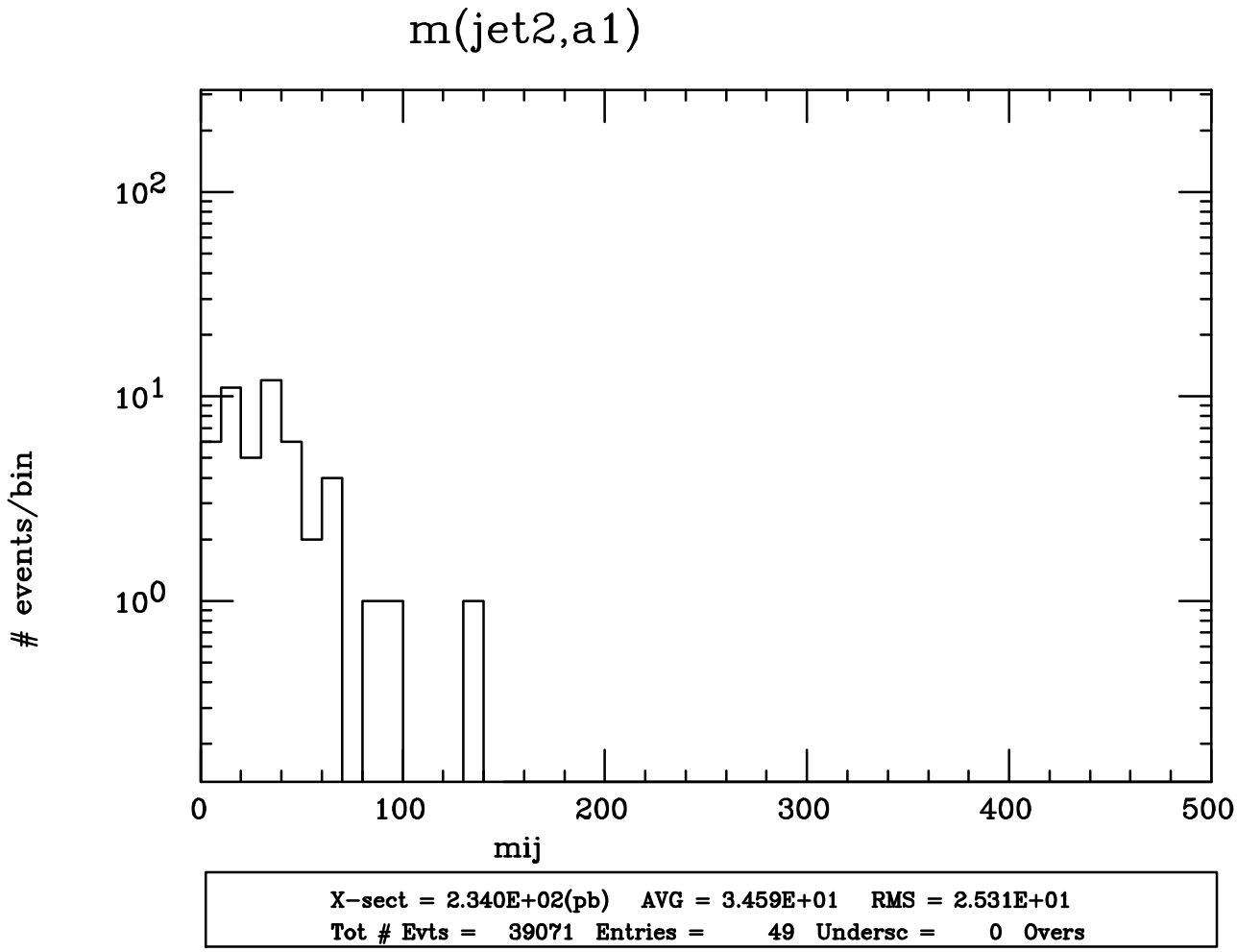

m(jet2,b1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 3.352E+01 RMS = 2.368E+01
Tot # Evts = 39071 Entries = 27 Undersc = 0 Overs

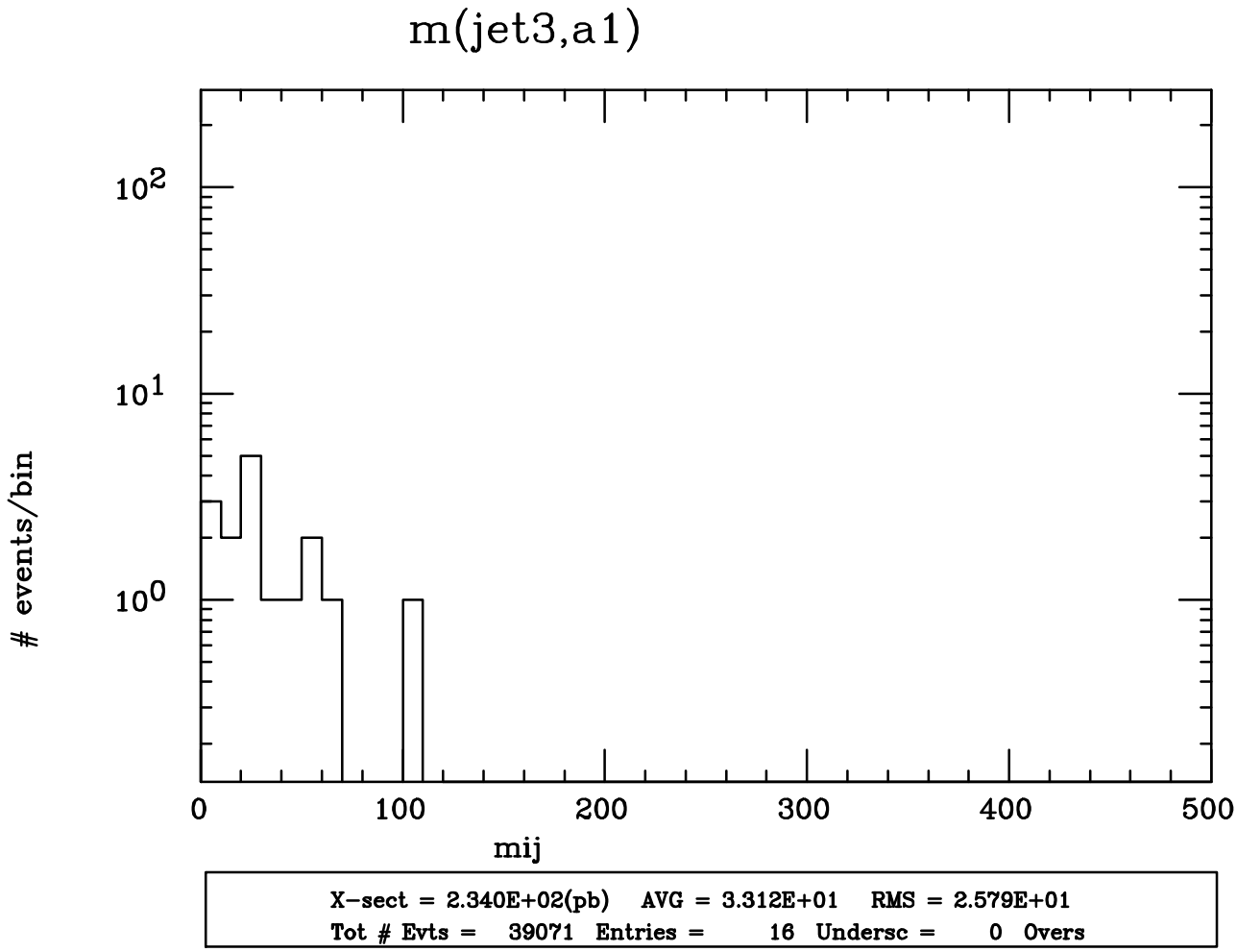

m(jet2,b2)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 2.500E+01 RMS = 0.000E+00
Tot # Evts = 39071 Entries = 1 Undersc = 0 Overs

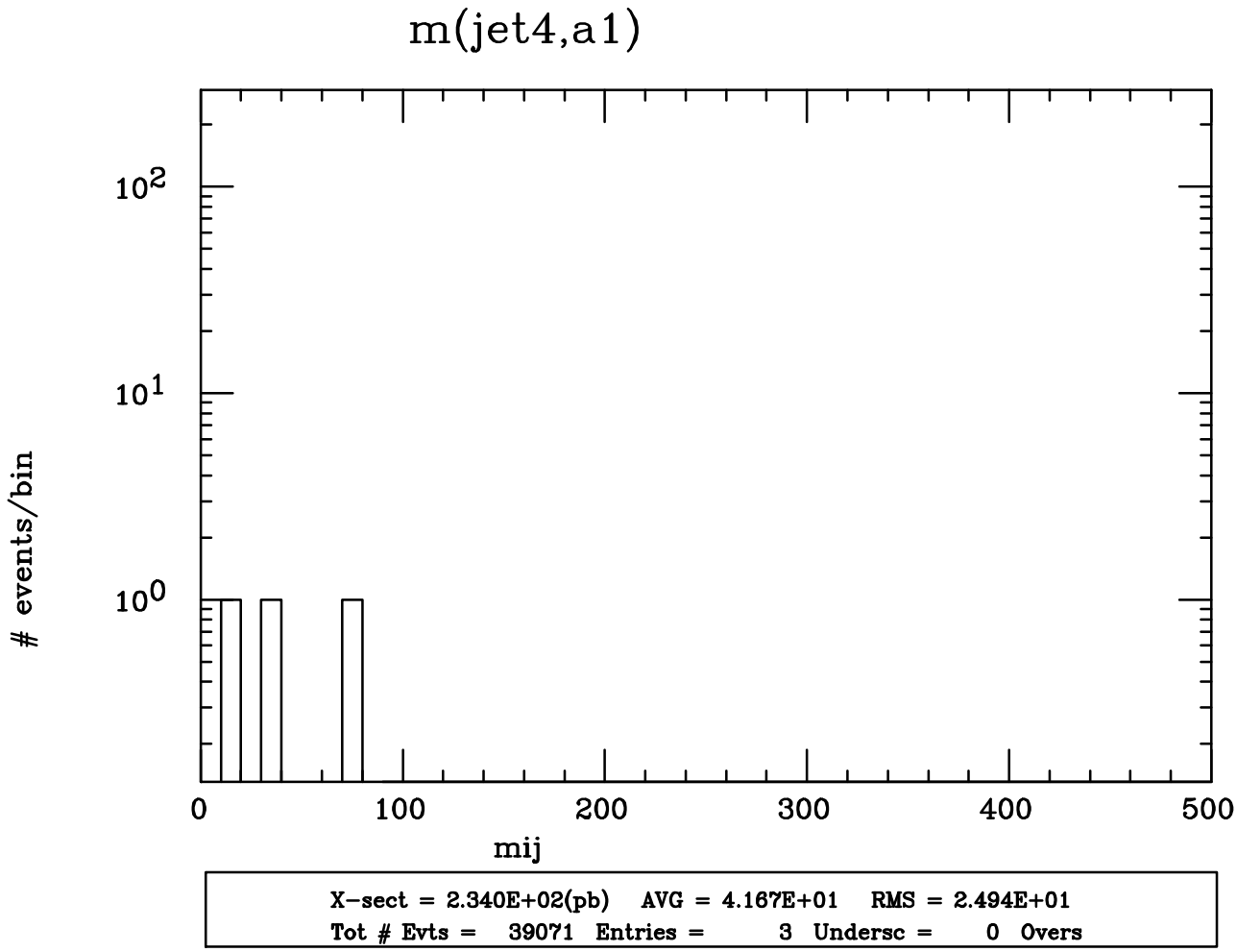

m(jet3,b1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 2.591E+01 RMS = 1.881E+01
Tot # Evts = 39071 Entries = 11 Undersc = 0 Overs

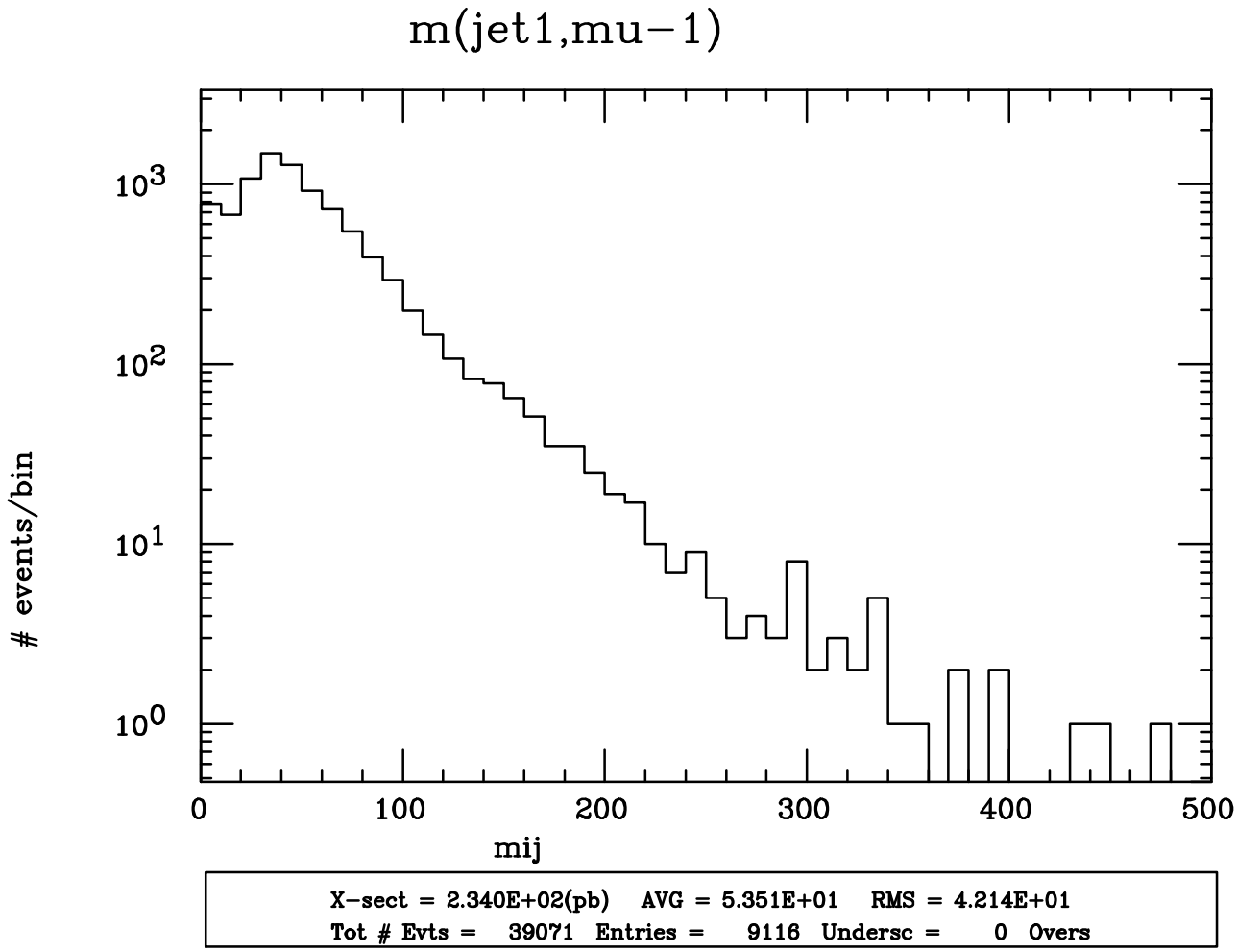

m(jet4,b1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 5.833E+01 RMS = 5.437E+01
Tot # Evts = 39071 Entries = 3 Undersc = 0 Overs

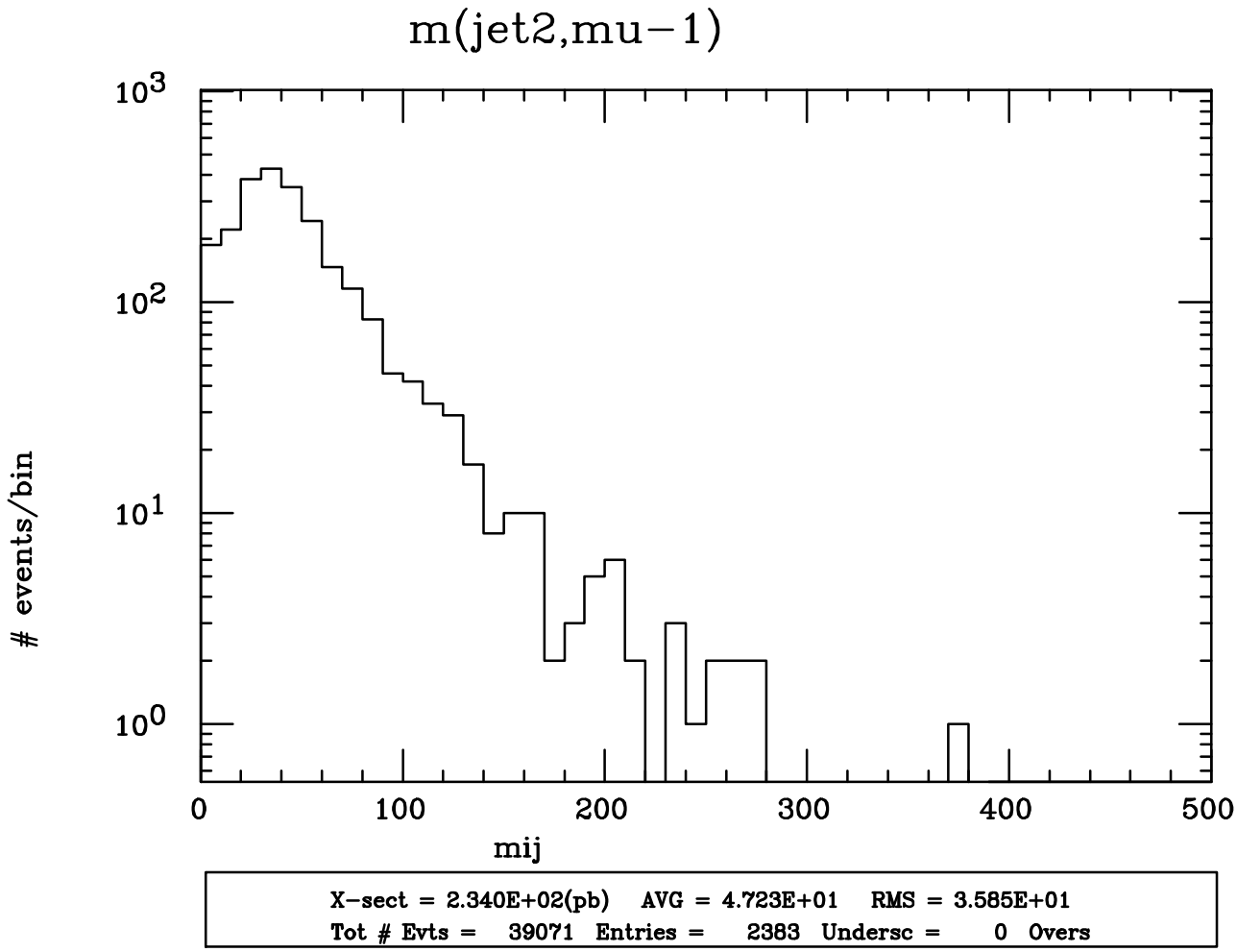

m(jet1,a1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 3.696E+01 RMS = 2.973E+01
Tot # Evts = 39071 Entries = 199 Undersc = 0 Overs

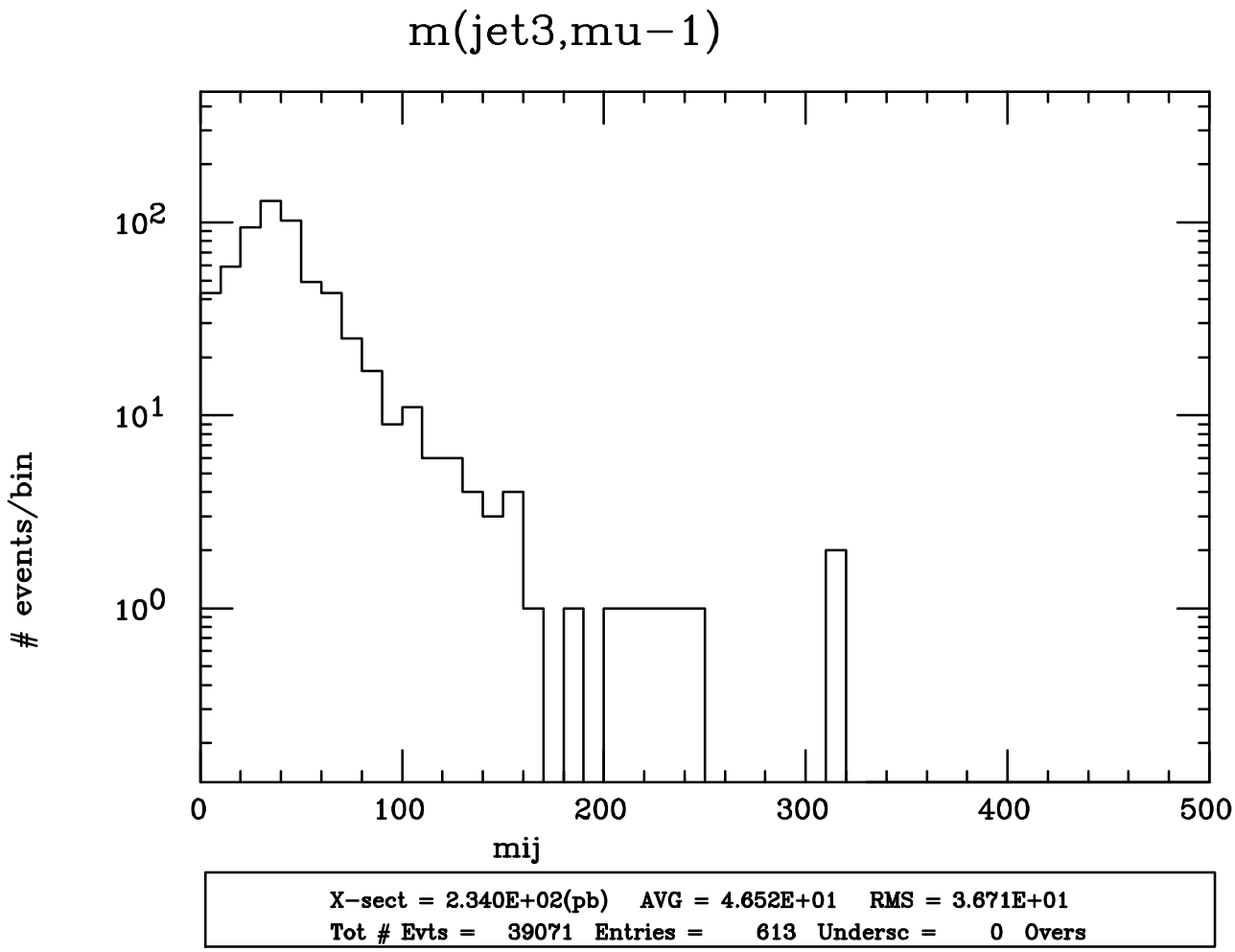

m(jet2,a1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 3.459E+01 RMS = 2.531E+01
Tot # Evts = 39071 Entries = 49 Undersc = 0 Overs

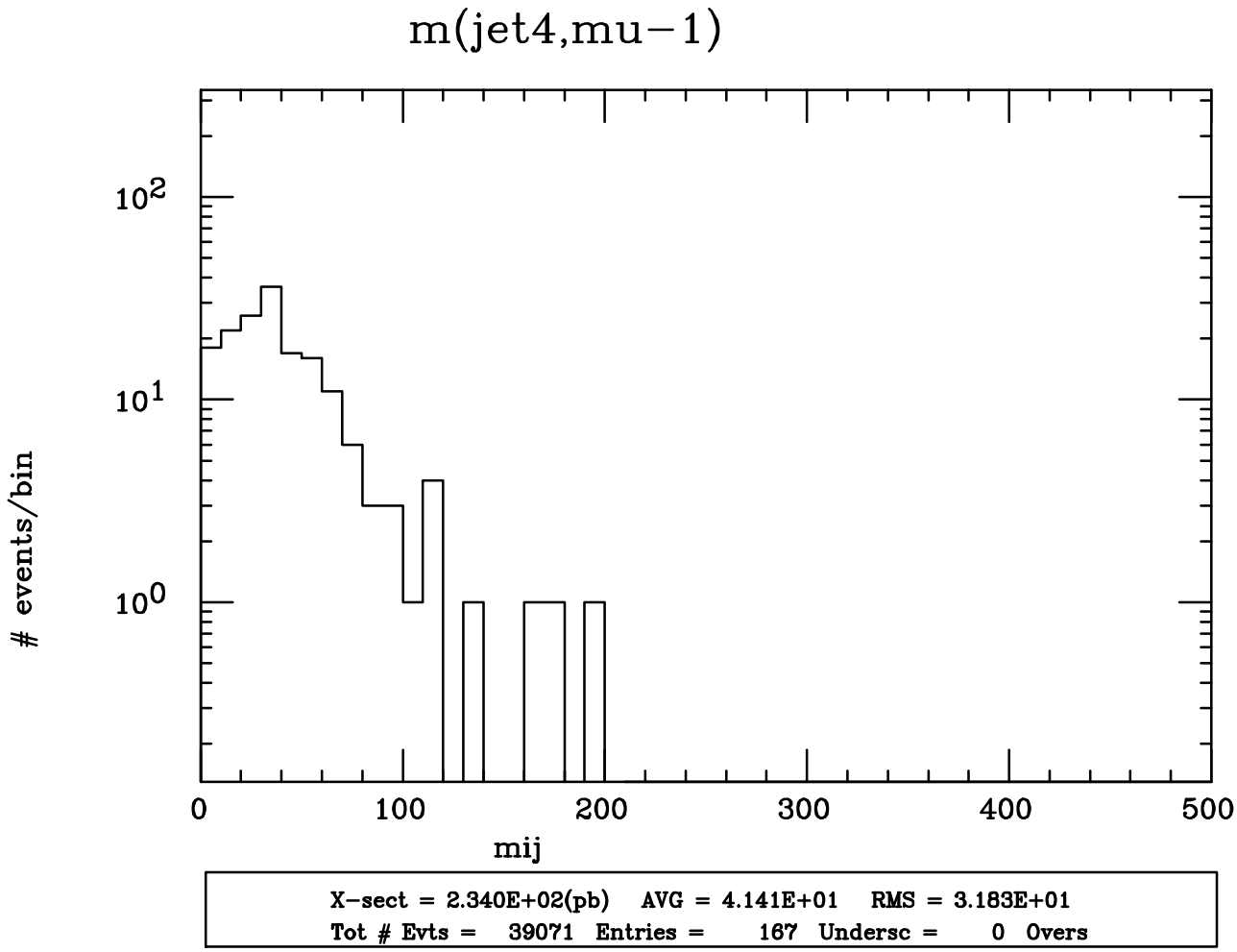

m(jet3,a1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 3.312E+01 RMS = 2.579E+01
Tot # Evts = 39071 Entries = 16 Undersc = 0 Overs

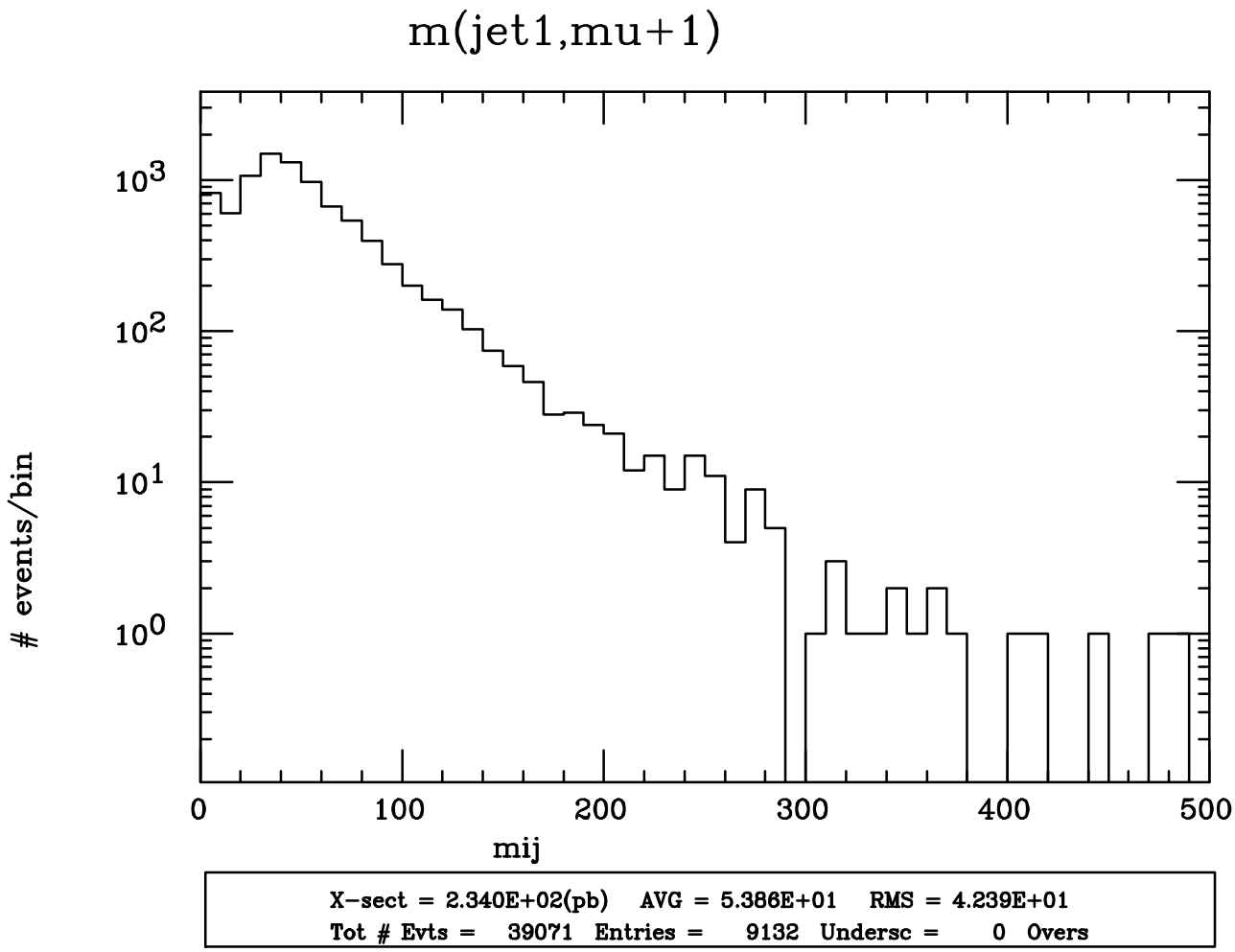

m(jet4,a1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 4.167E+01 RMS = 2.494E+01
Tot # Evts = 39071 Entries = 3 Undersc = 0 Overs

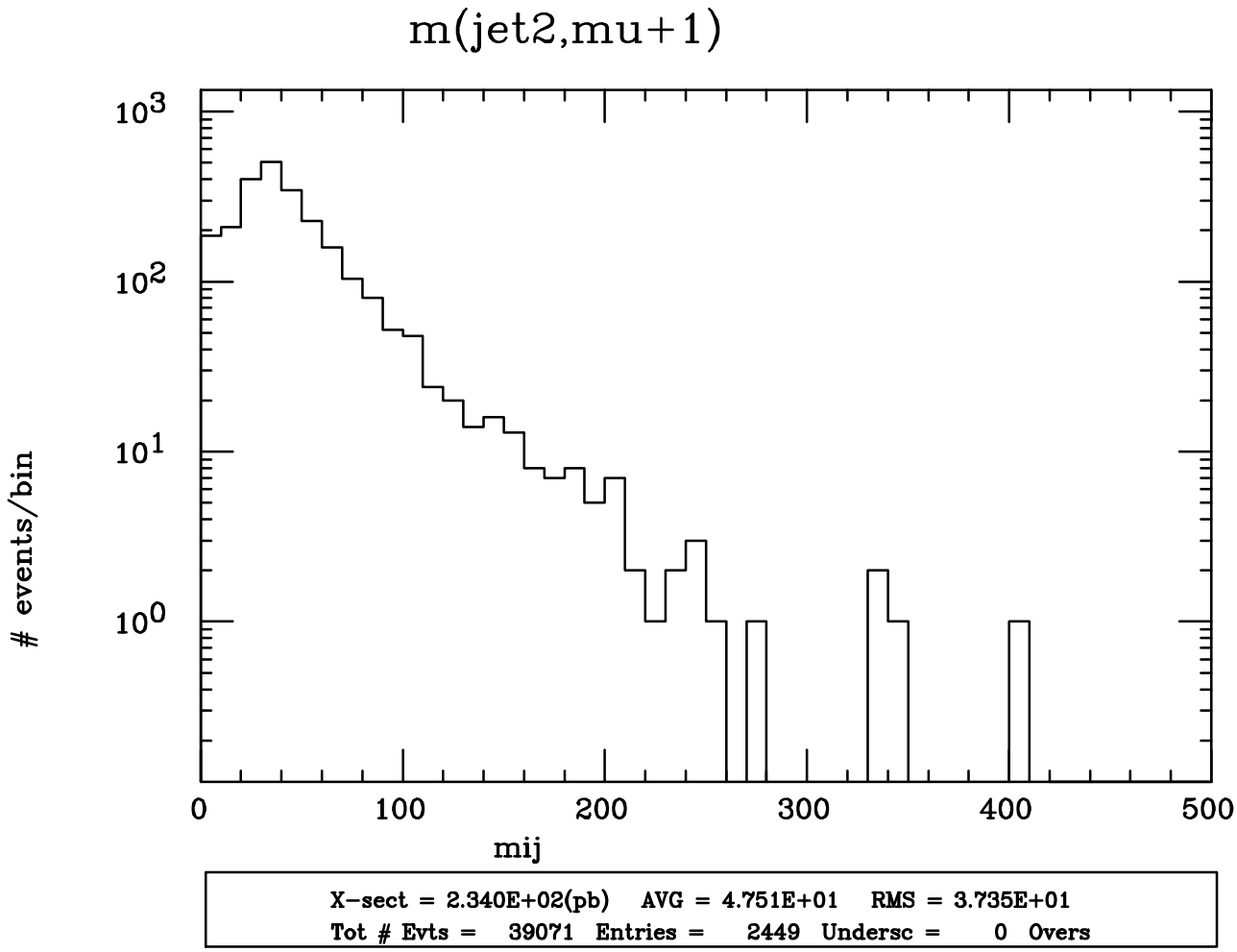

m(jet1,mu−1)
# events/bin
10^3
10^2
10^1
10^0
0
100
200
300
400
500
mij
X−sect = 2.340E+02(pb) AVG = 5.351E+01 RMS = 4.214E+01
Tot # Evts = 39071 Entries = 9116 Undersc = 0 Overs

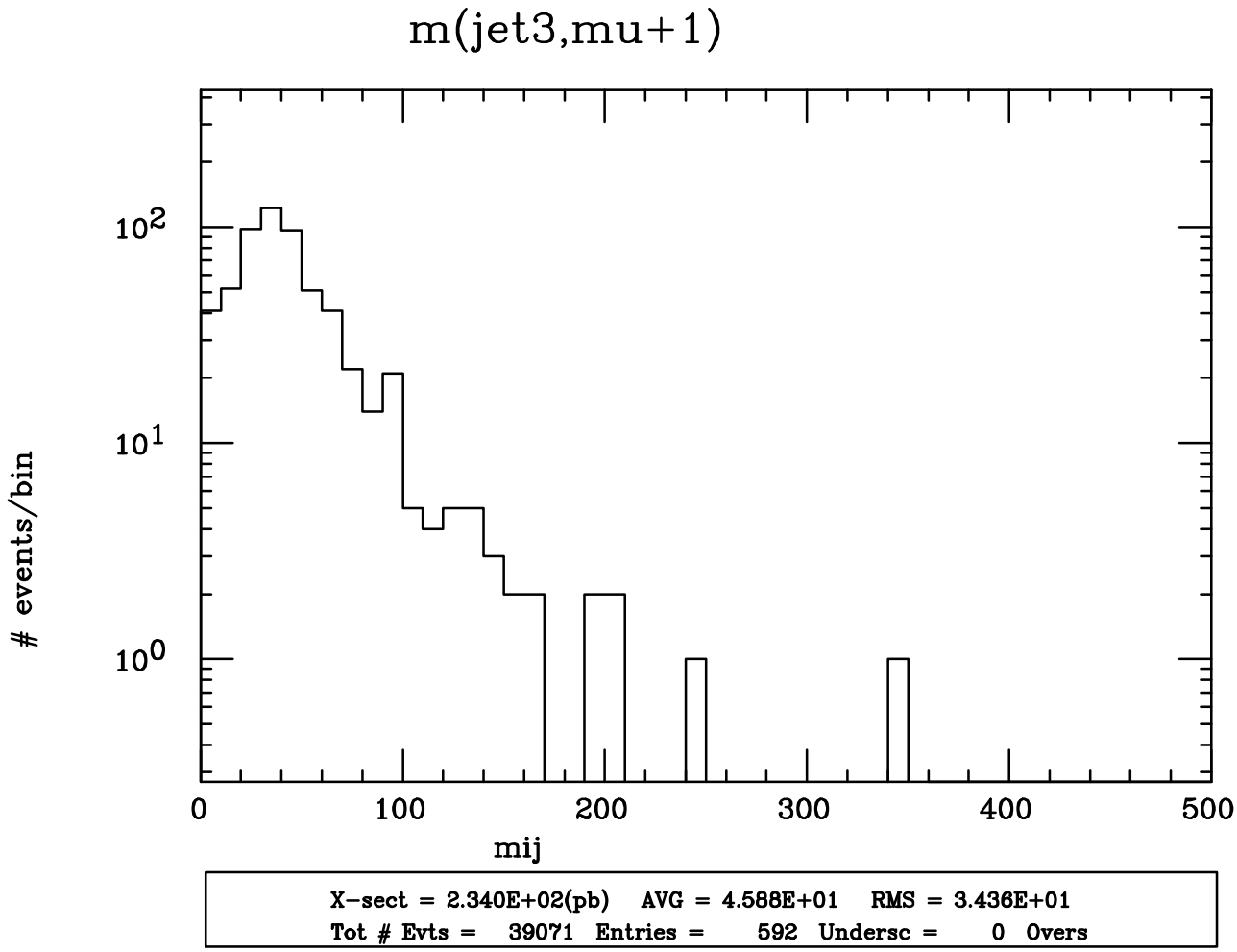

m(jet2,mu−1)
# events/bin
10^3
10^2
10^1
10^0
0
100
200
300
400
500
mij
X−sect = 2.340E+02(pb) AVG = 4.723E+01 RMS = 3.585E+01
Tot # Evts = 39071 Entries = 2383 Undersc = 0 Overs

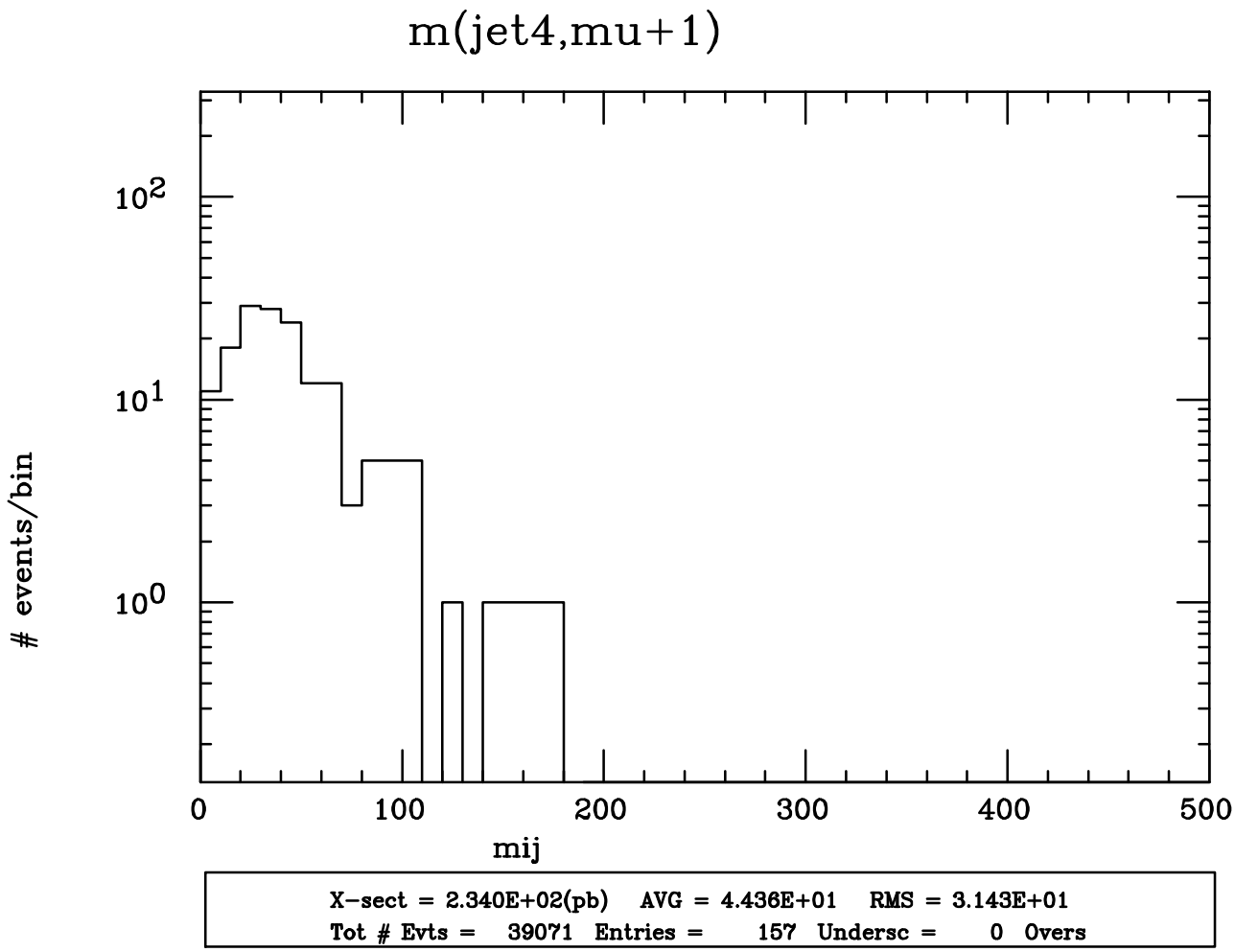

m(jet3,mu−1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X−sect = 2.340E+02(pb) AVG = 4.652E+01 RMS = 3.671E+01
Tot # Evts = 39071 Entries = 613 Undersc = 0 Overs

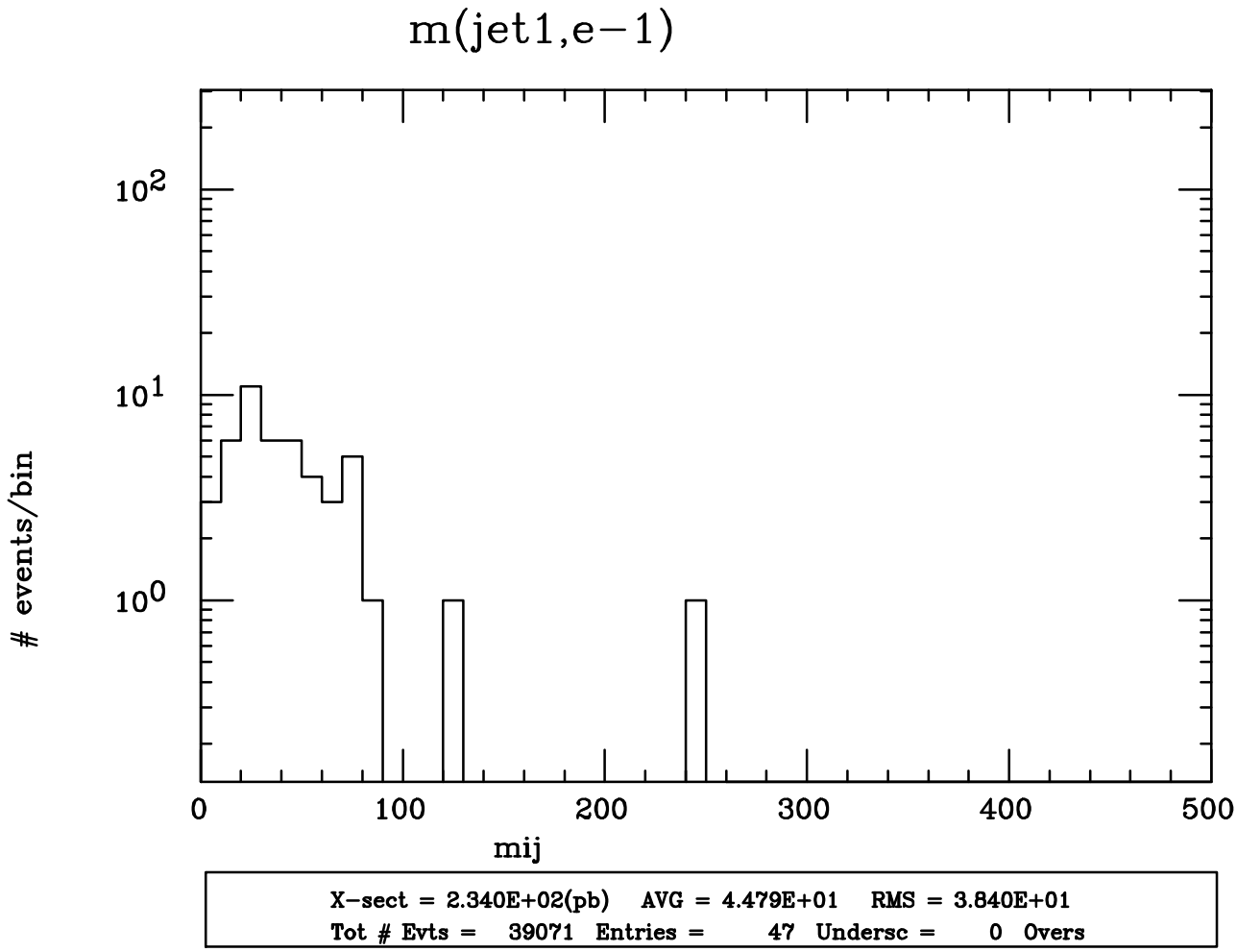

m(jet4,mu−1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X−sect = 2.340E+02(pb) AVG = 4.141E+01 RMS = 3.183E+01
Tot # Evts = 39071 Entries = 167 Undersc = 0 Overs

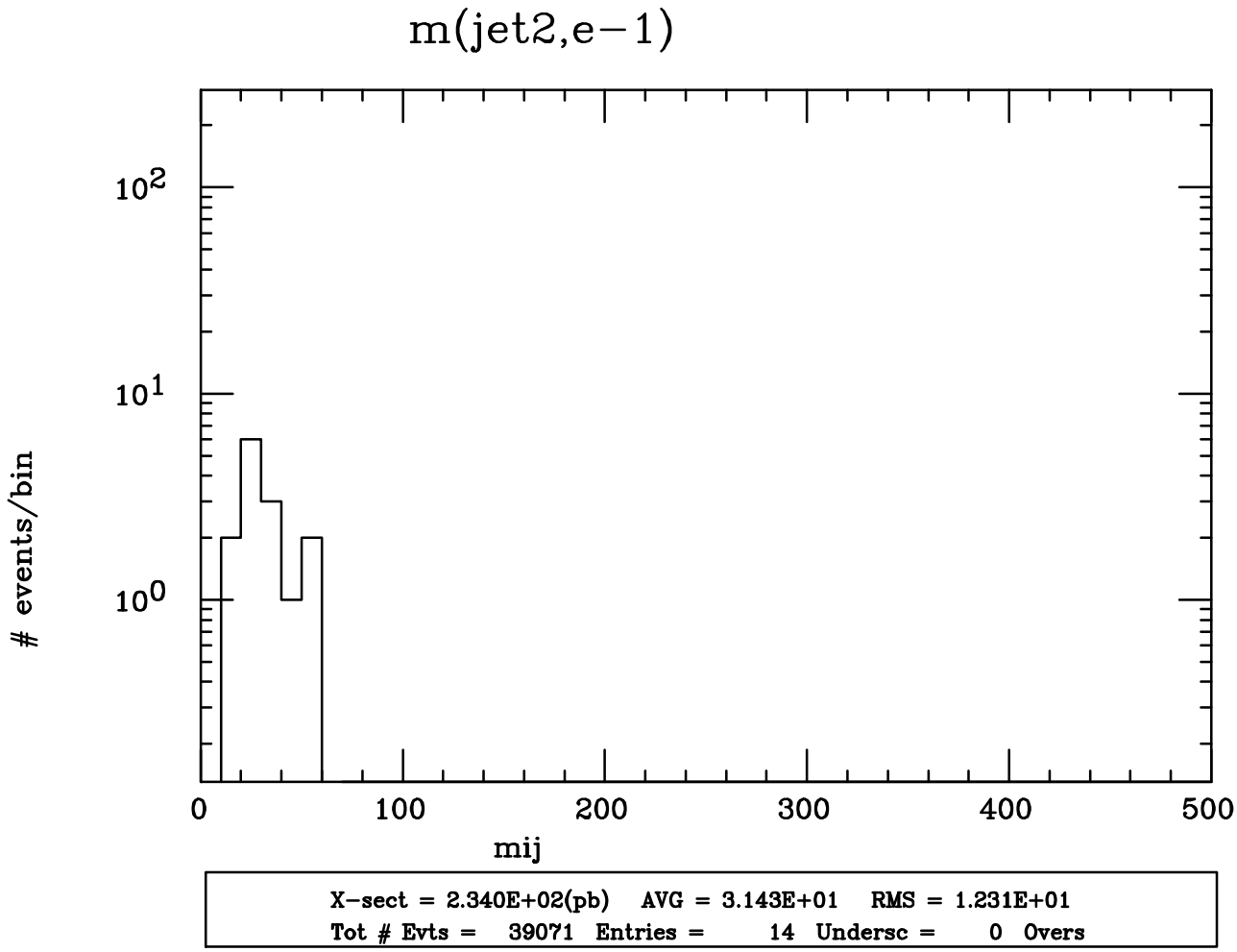

m(jet1,mu+1)
# events/bin
10^3
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 5.386E+01 RMS = 4.239E+01
Tot # Evts = 39071 Entries = 9132 Undersc = 0 Overs

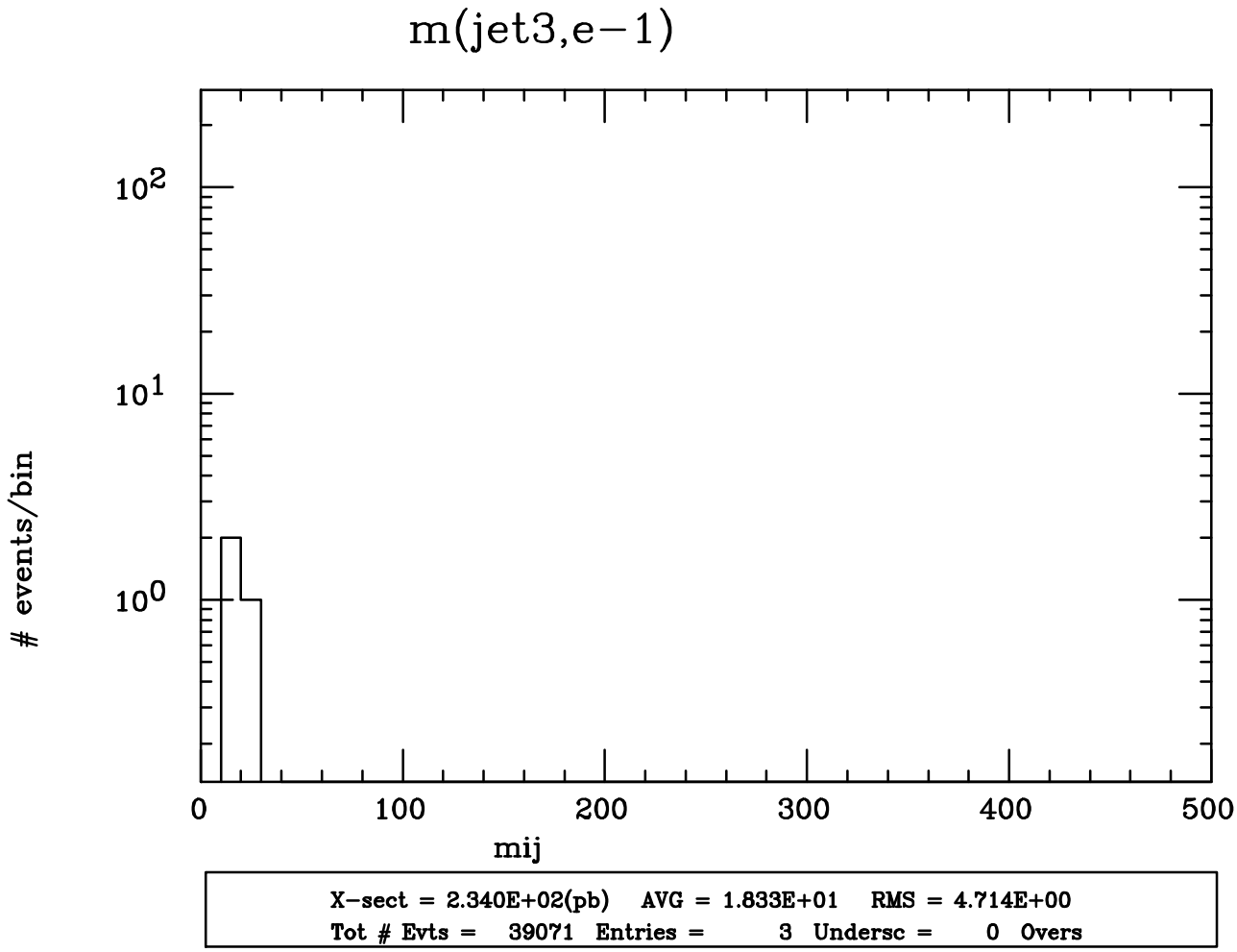

m(jet2,mu+1)
# events/bin
10^3
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 4.751E+01 RMS = 3.735E+01
Tot # Evts = 39071 Entries = 2449 Undersc = 0 Overs

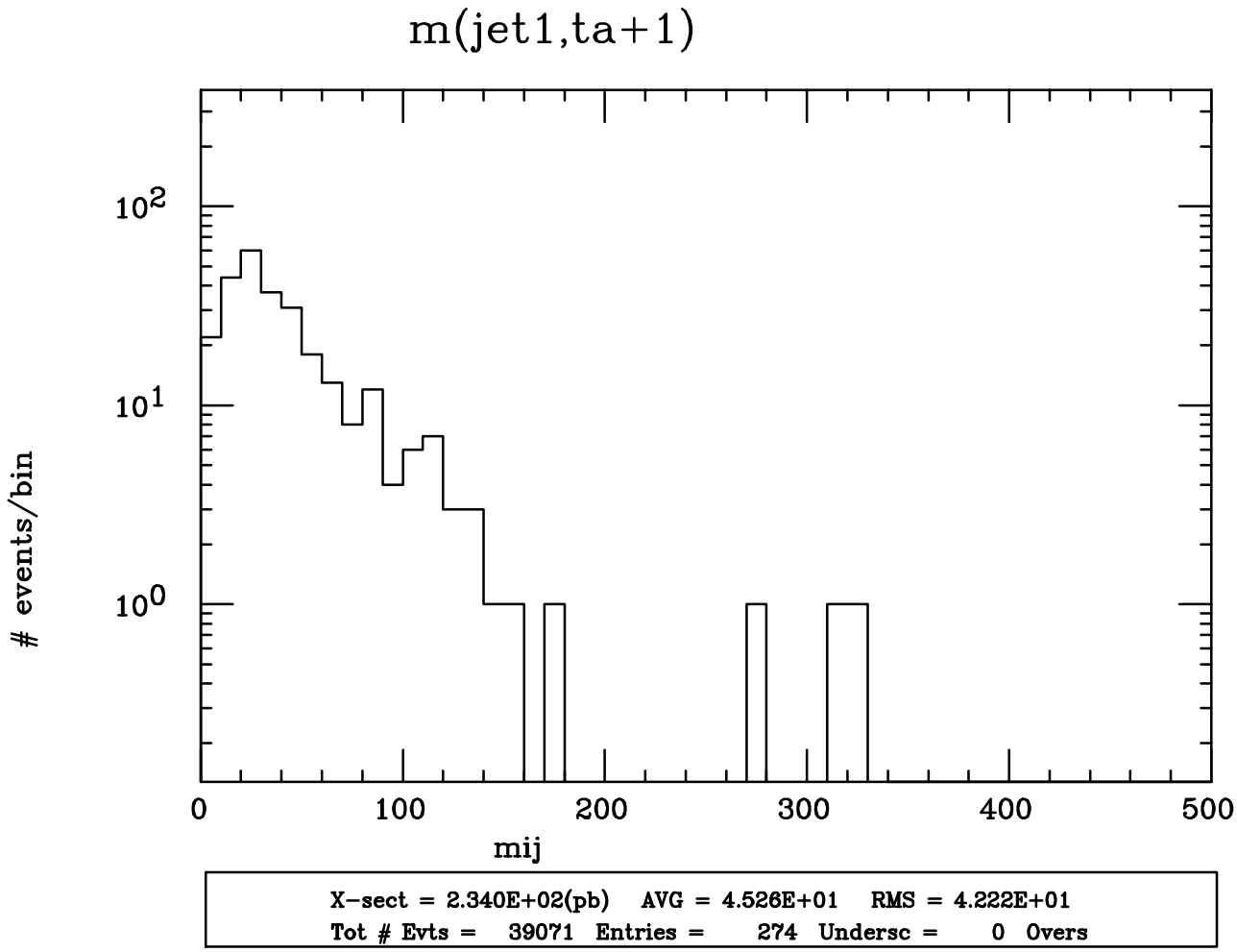

m(jet3,mu+1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 4.588E+01 RMS = 3.436E+01
Tot # Evts = 39071 Entries = 592 Undersc = 0 Overs

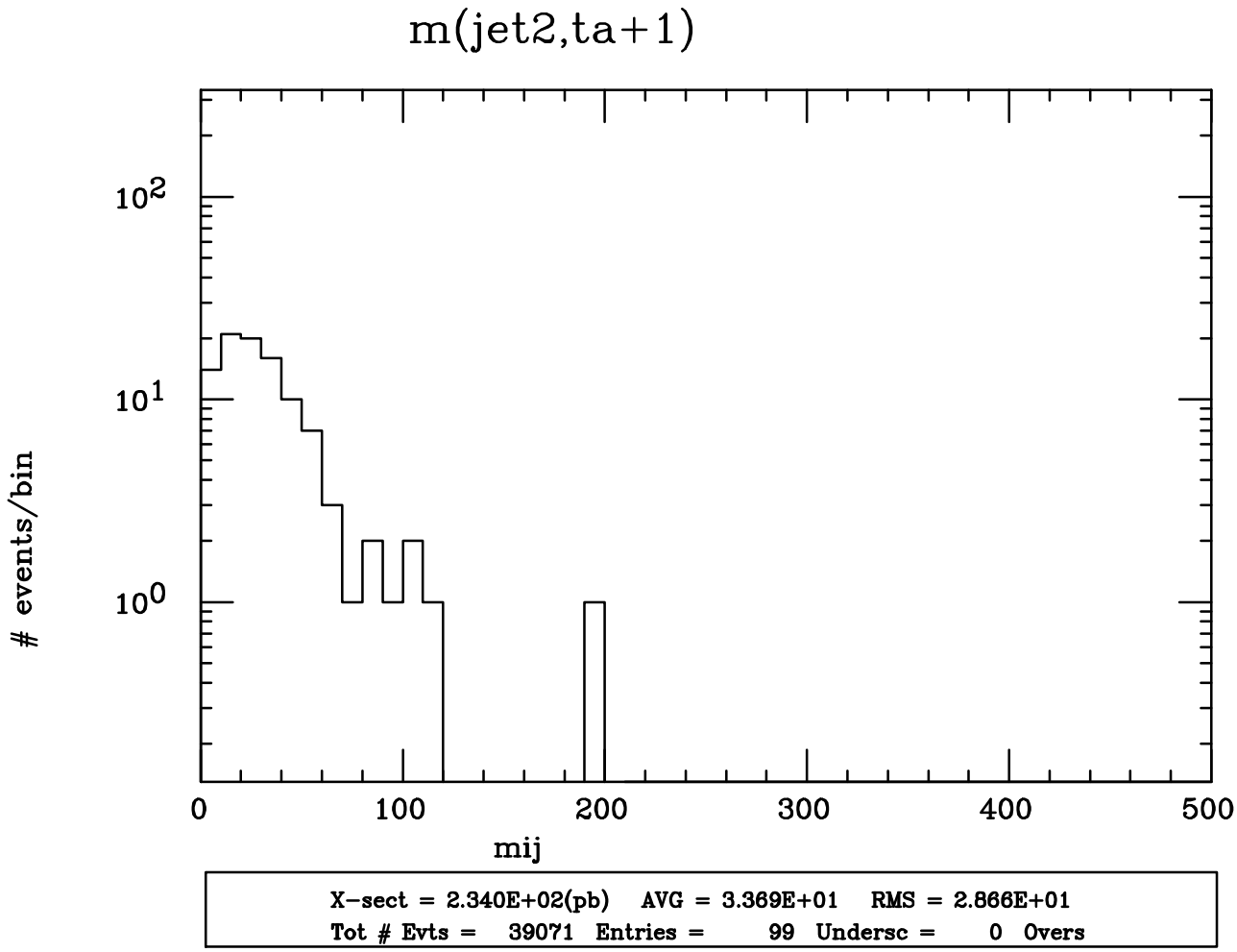

m(jet4,mu+1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 4.436E+01 RMS = 3.143E+01
Tot # Evts = 39071 Entries = 157 Undersc = 0 Overs

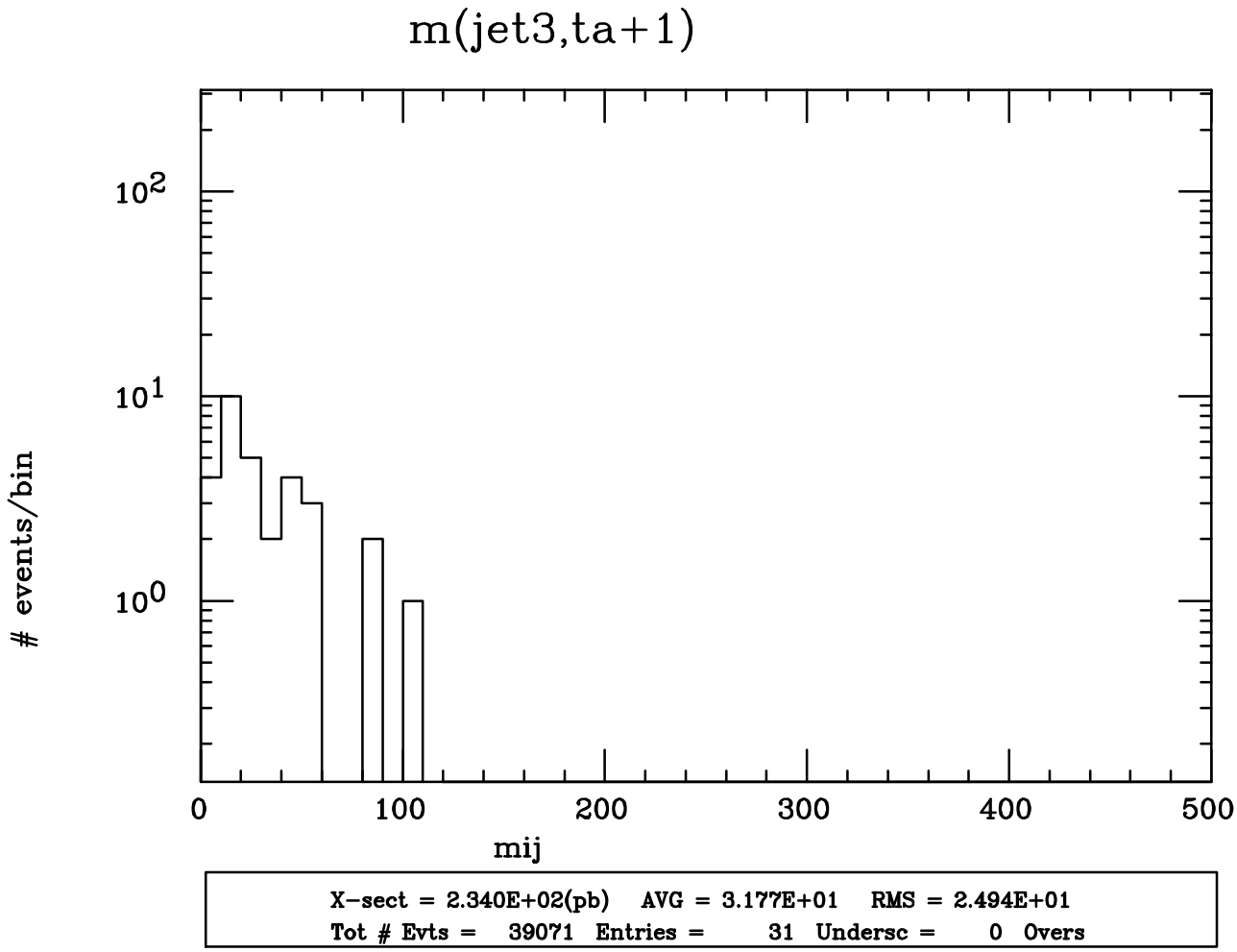

m(jet1,e−1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X−sect = 2.340E+02(pb) AVG = 4.479E+01 RMS = 3.840E+01
Tot # Evts = 39071 Entries = 47 Undersc = 0 Overs

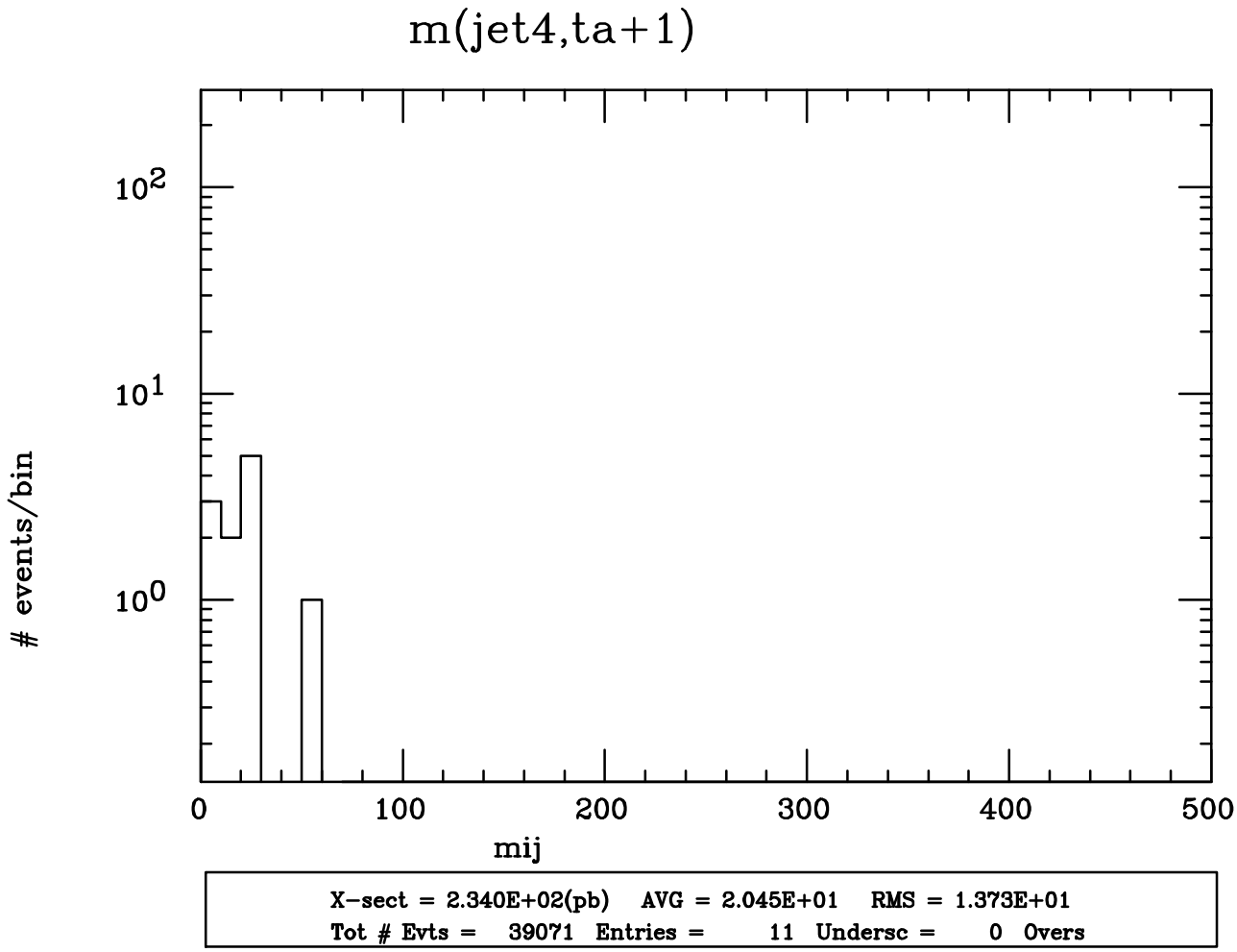

m(jet2,e−1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X−sect = 2.340E+02(pb) AVG = 3.143E+01 RMS = 1.231E+01
Tot # Evts = 39071 Entries = 14 Undersc = 0 Overs

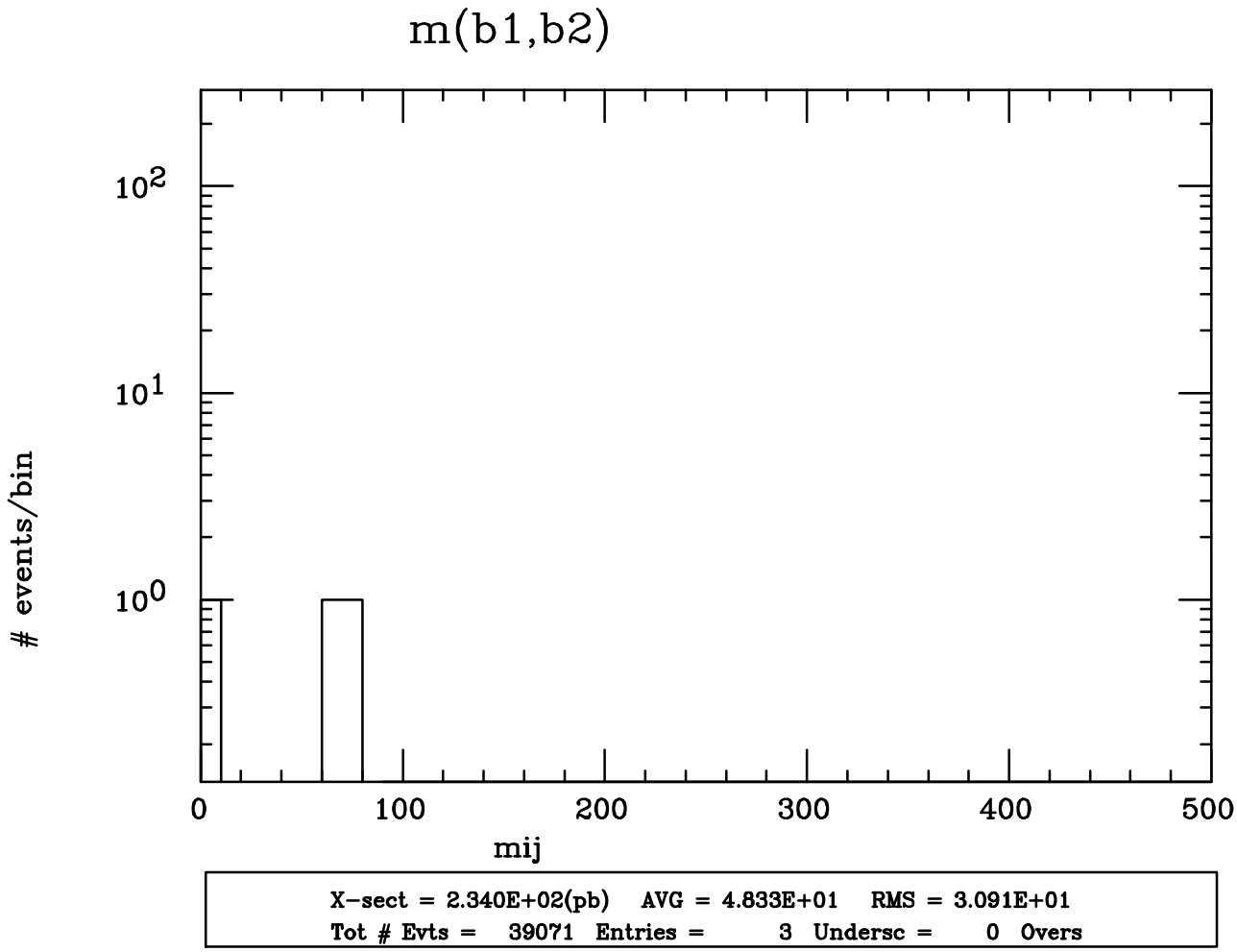

m(jet3,e−1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X−sect = 2.340E+02(pb) AVG = 1.833E+01 RMS = 4.714E+00
Tot # Evts = 39071 Entries = 3 Undersc = 0 Overs

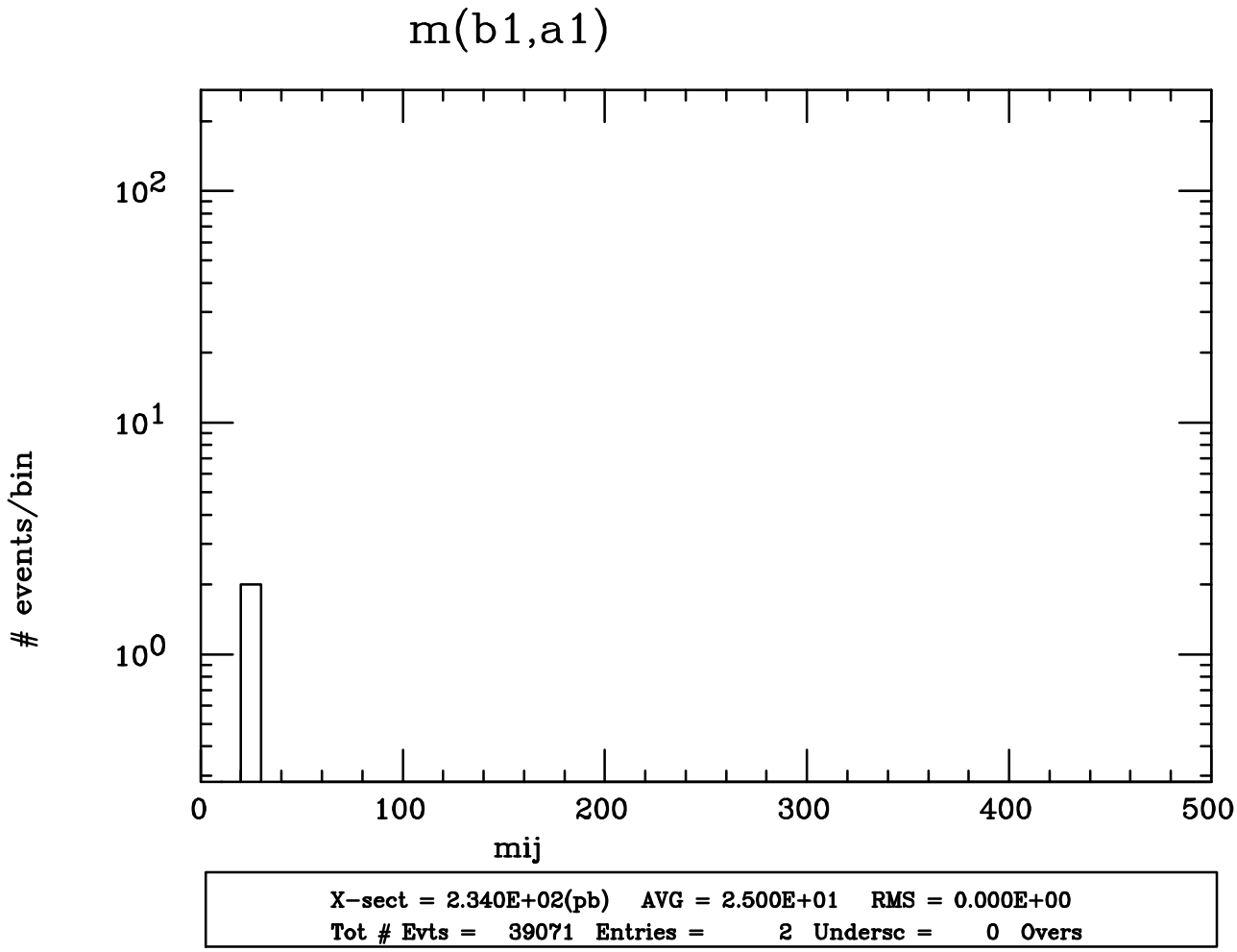

m(jet1,ta+1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 4.526E+01 RMS = 4.222E+01
Tot # Evts = 39071 Entries = 274 Undersc = 0 Overs

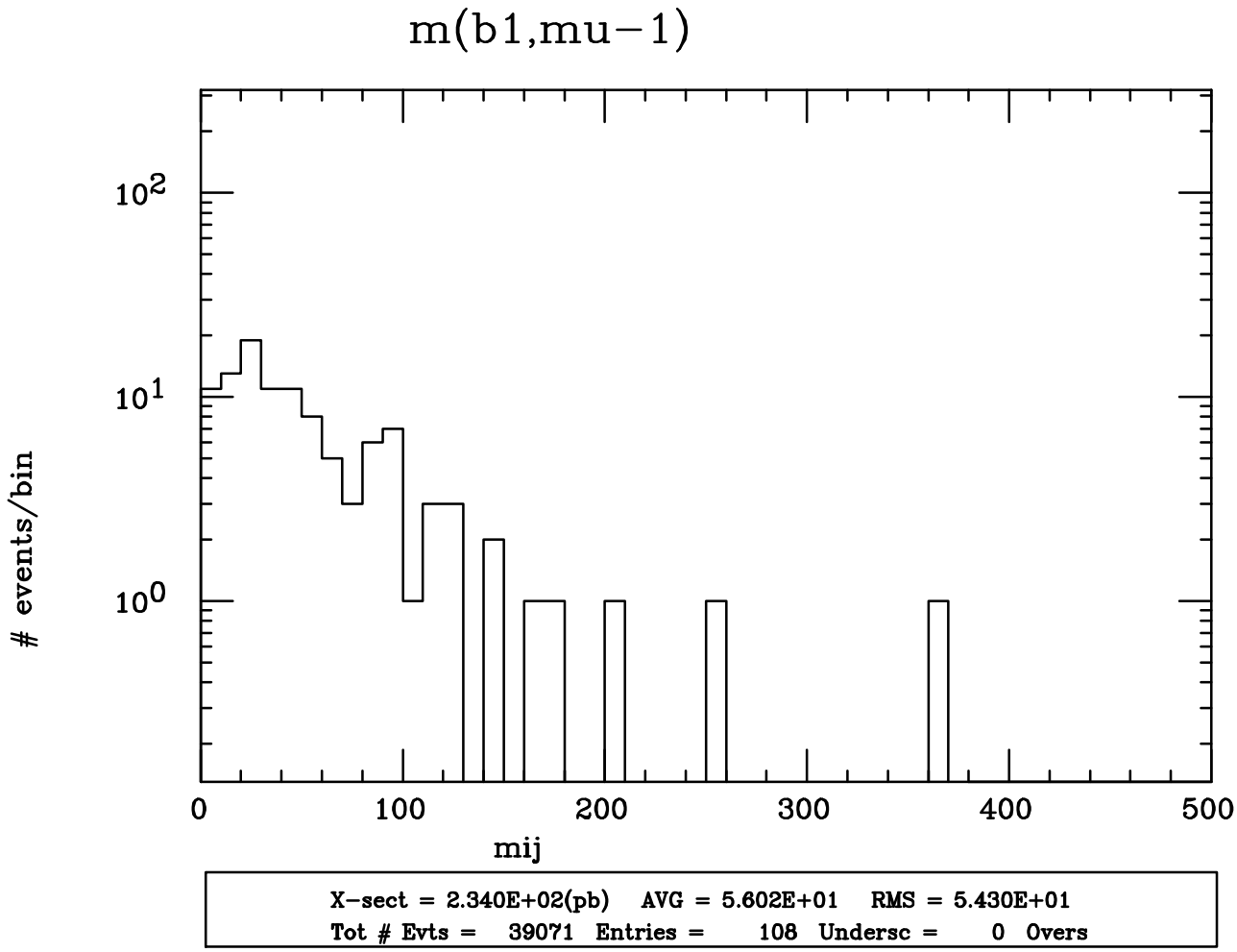

m(jet2,ta+1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 3.369E+01 RMS = 2.866E+01
Tot # Evts = 39071 Entries = 99 Undersc = 0 Overs

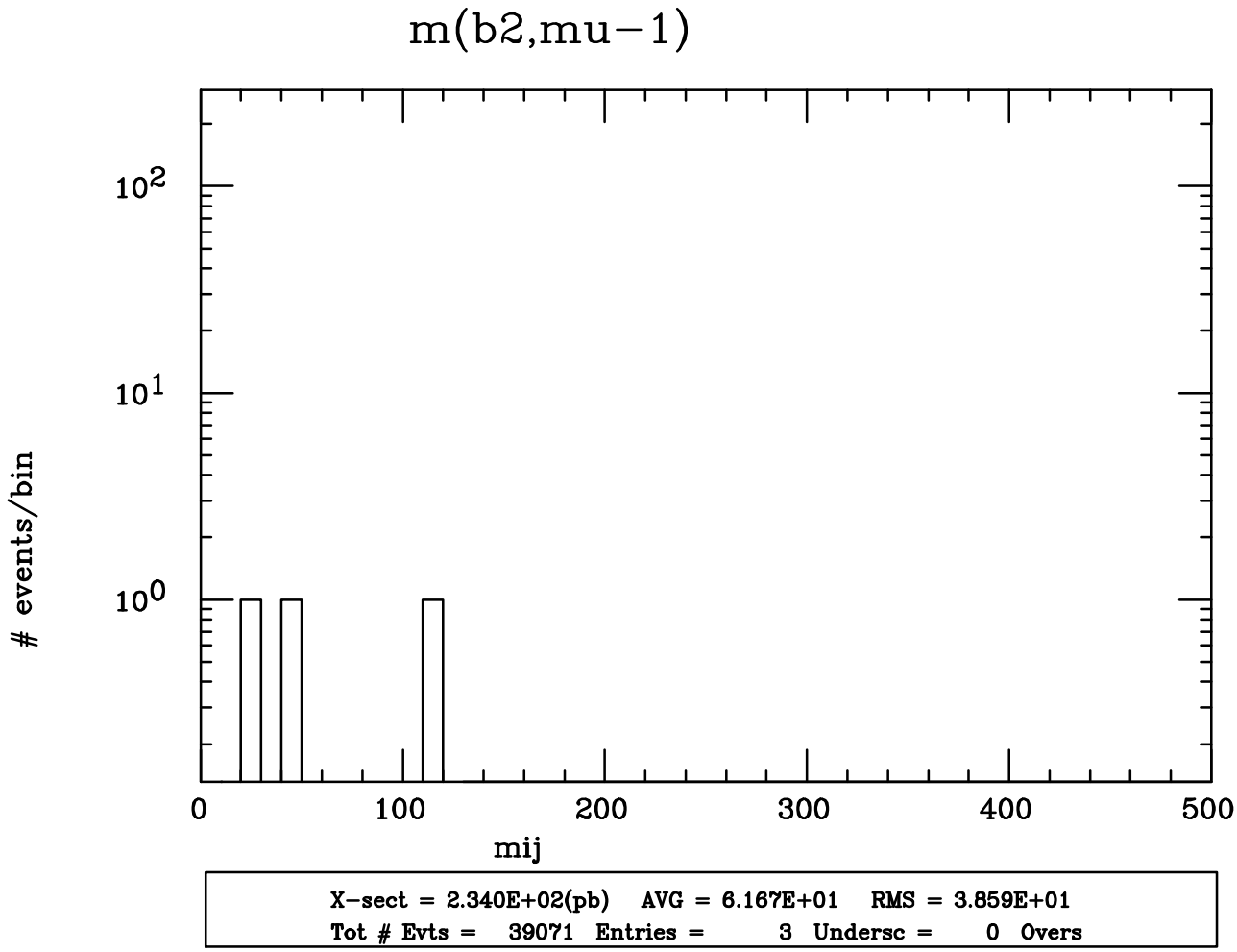

m(jet3,ta+1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 3.177E+01 RMS = 2.494E+01
Tot # Evts = 39071 Entries = 31 Undersc = 0 Overs

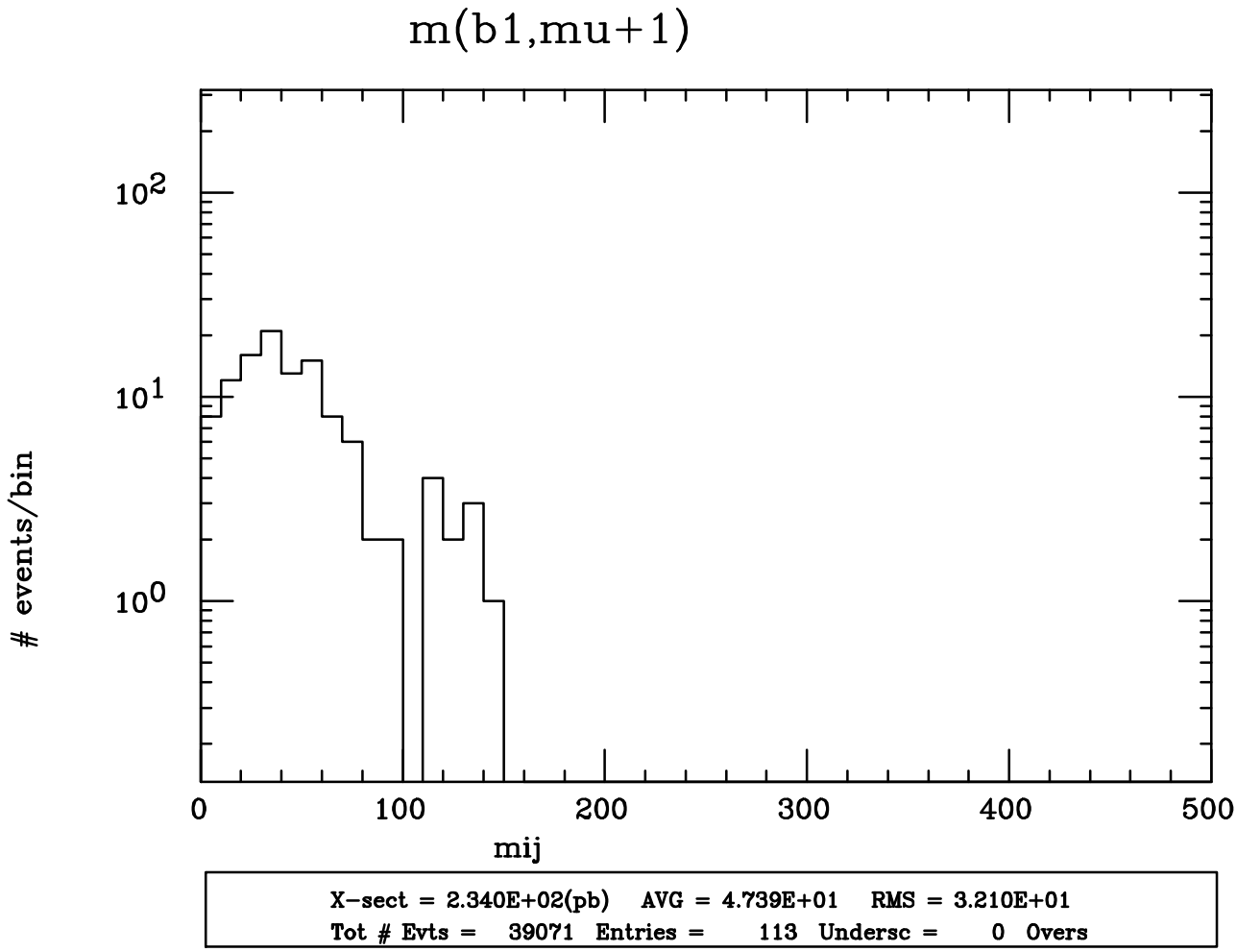

m(jet4,ta+1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 2.045E+01 RMS = 1.373E+01
Tot # Evts = 39071 Entries = 11 Undersc = 0 Overs

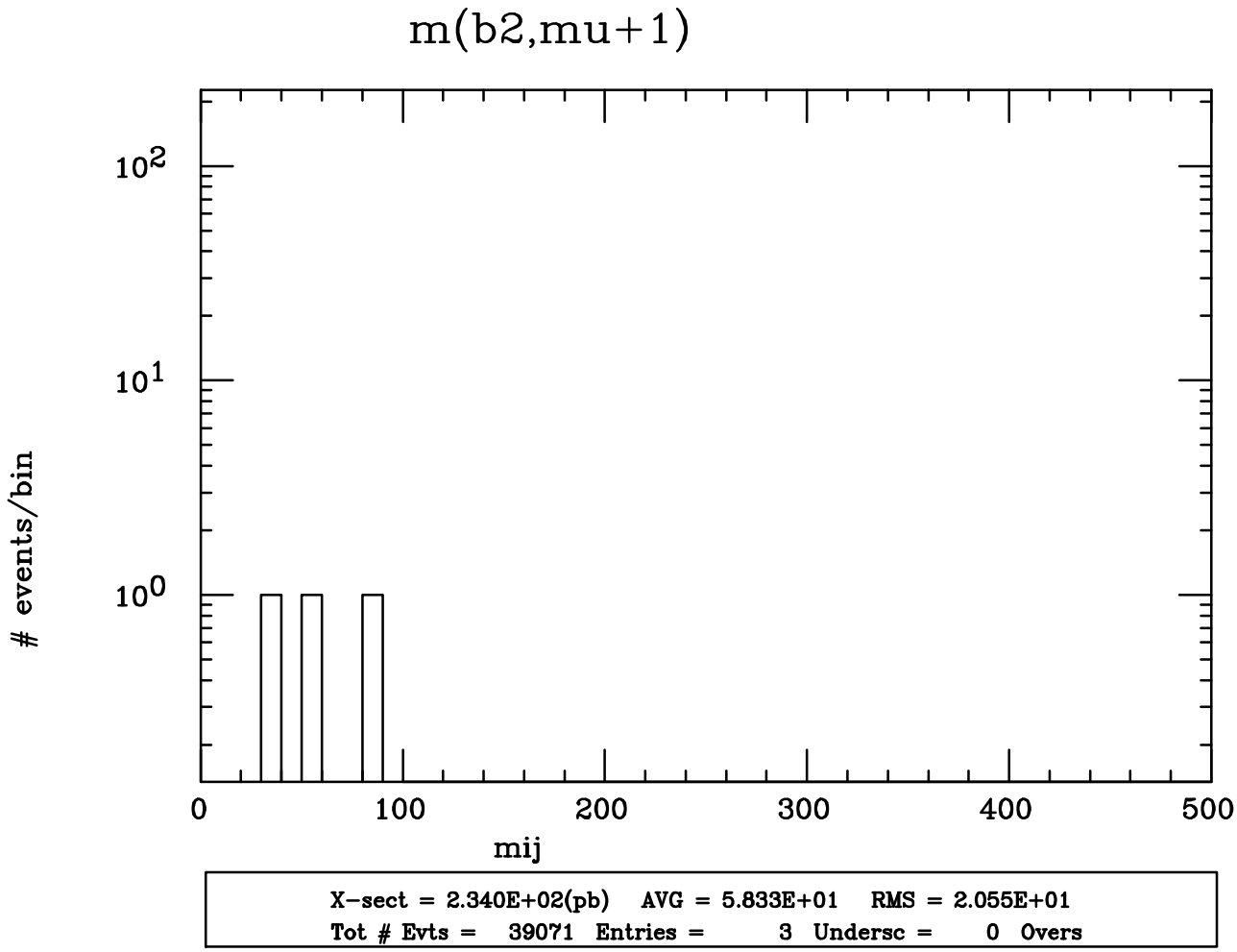

m(b1,b2)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 4.833E+01 RMS = 3.091E+01
Tot # Evts = 39071 Entries = 3 Undersc = 0 Overs

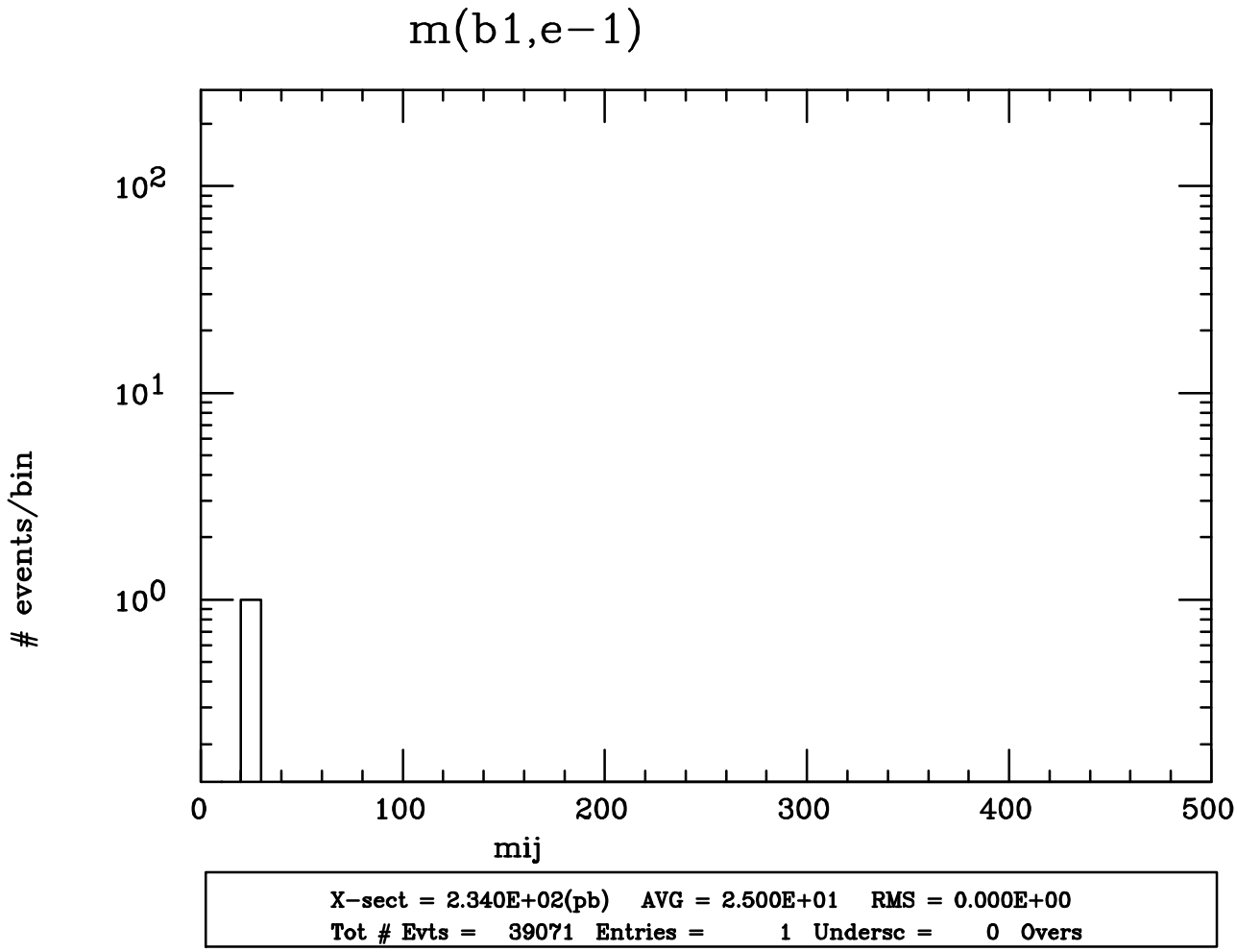

m(b1,a1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 2.500E+01 RMS = 0.000E+00
Tot # Evts = 39071 Entries = 2 Undersc = 0 Overs

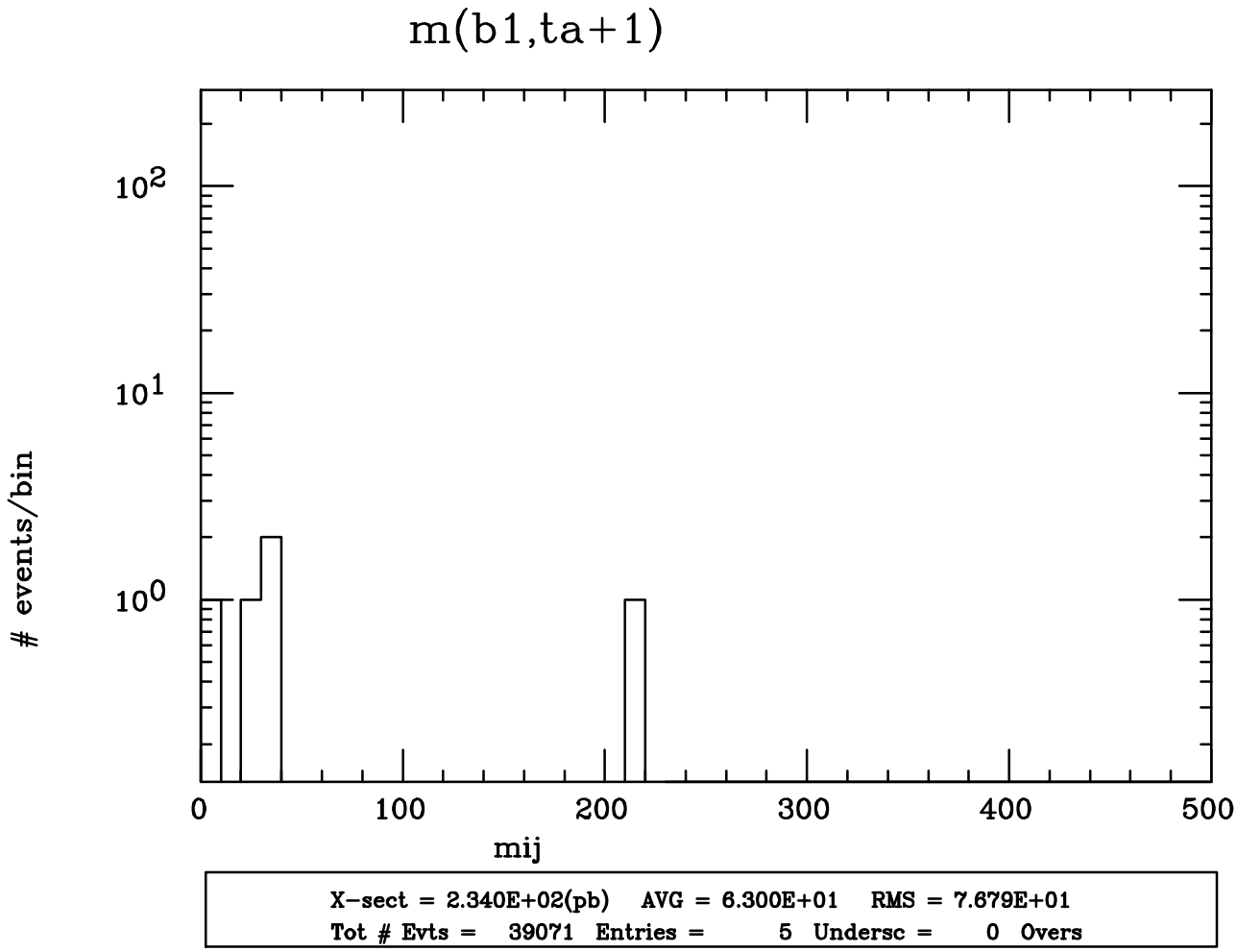

m(b1,mu−1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X−sect = 2.340E+02(pb) AVG = 5.602E+01 RMS = 5.430E+01
Tot # Evts = 39071 Entries = 108 Undersc = 0 Overs

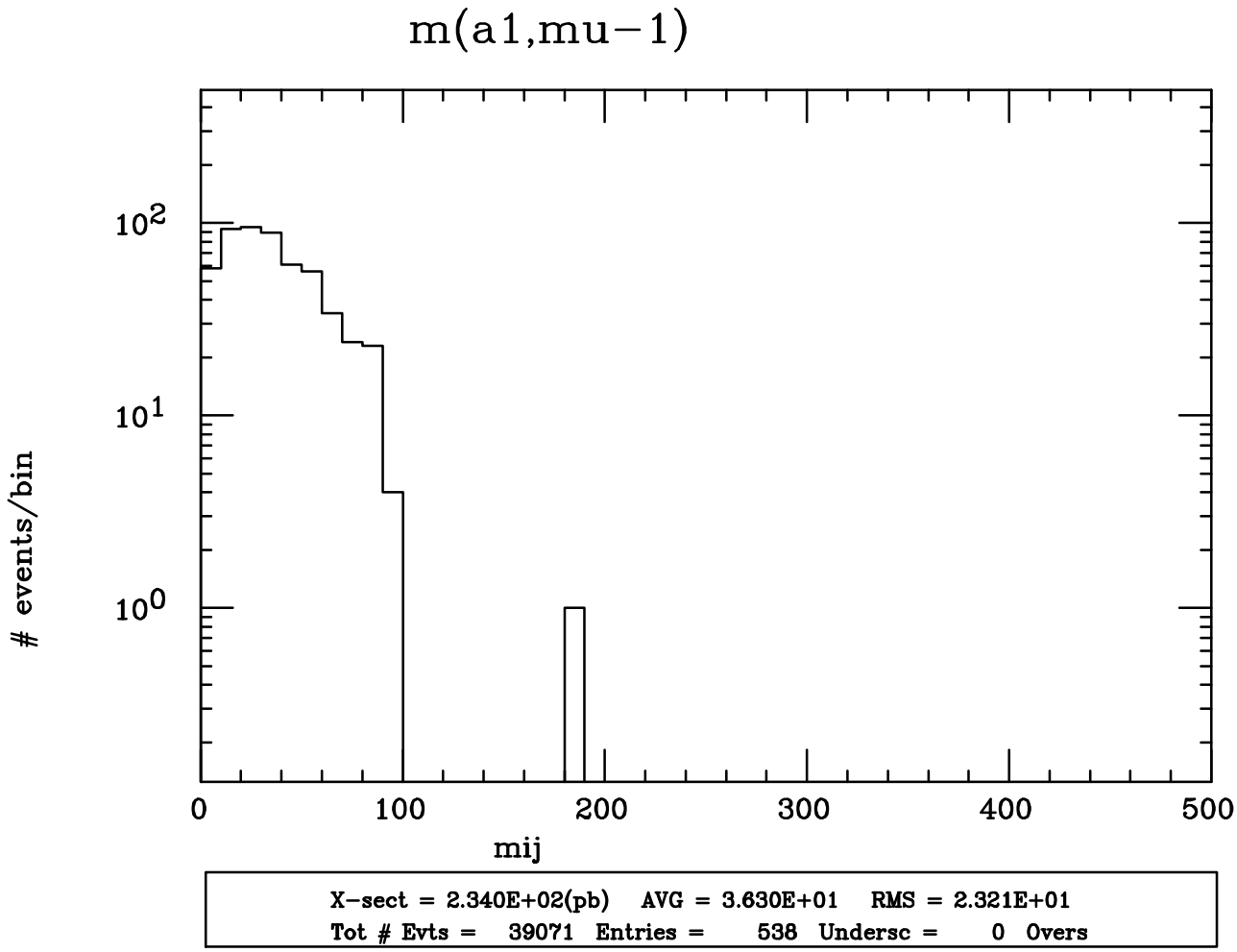

m(b2,mu−1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X−sect = 2.340E+02(pb) AVG = 6.167E+01 RMS = 3.859E+01
Tot # Evts = 39071 Entries = 3 Undersc = 0 Overs

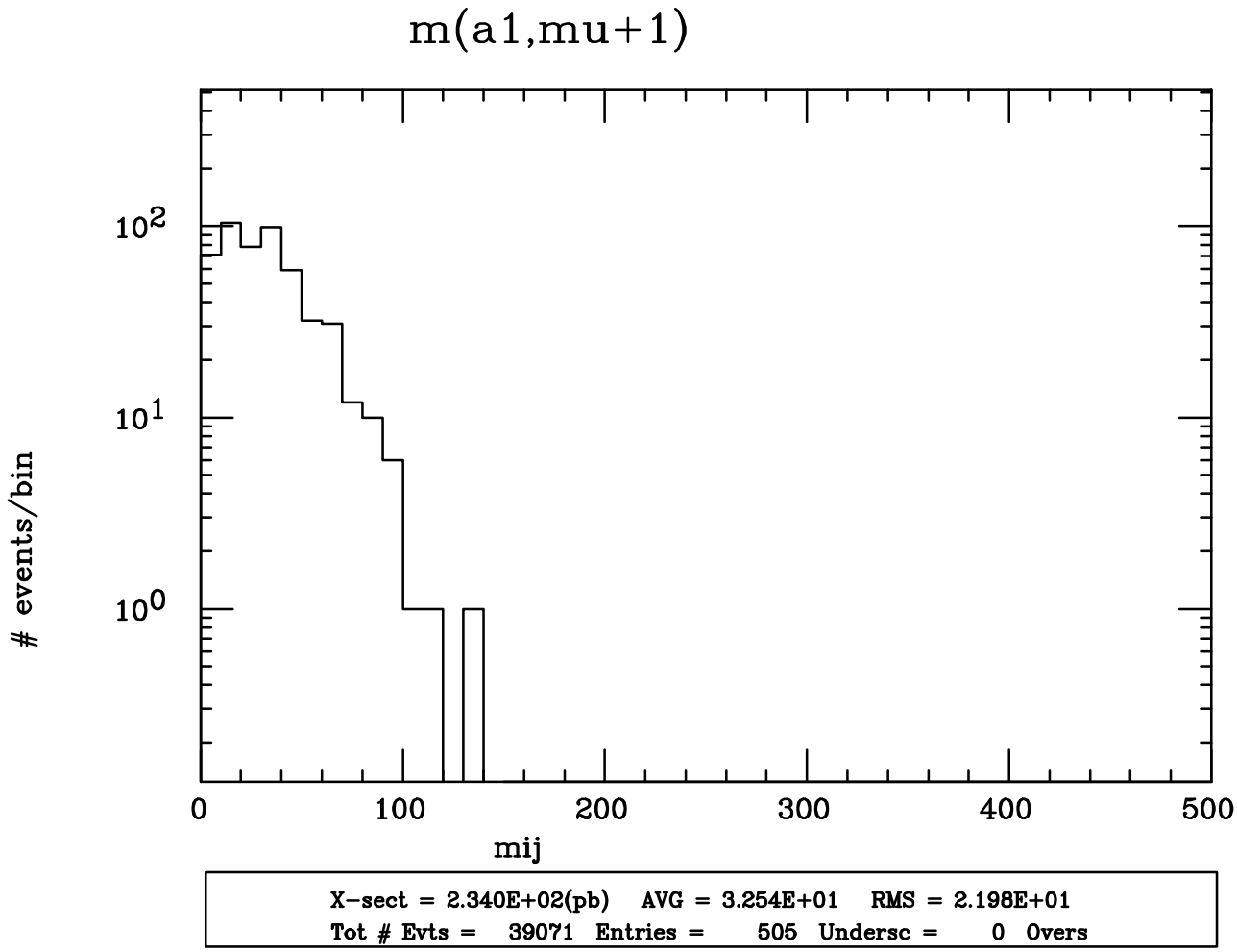

m(b1,mu+1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 4.739E+01 RMS = 3.210E+01
Tot # Evts = 39071 Entries = 113 Undersc = 0 Overs

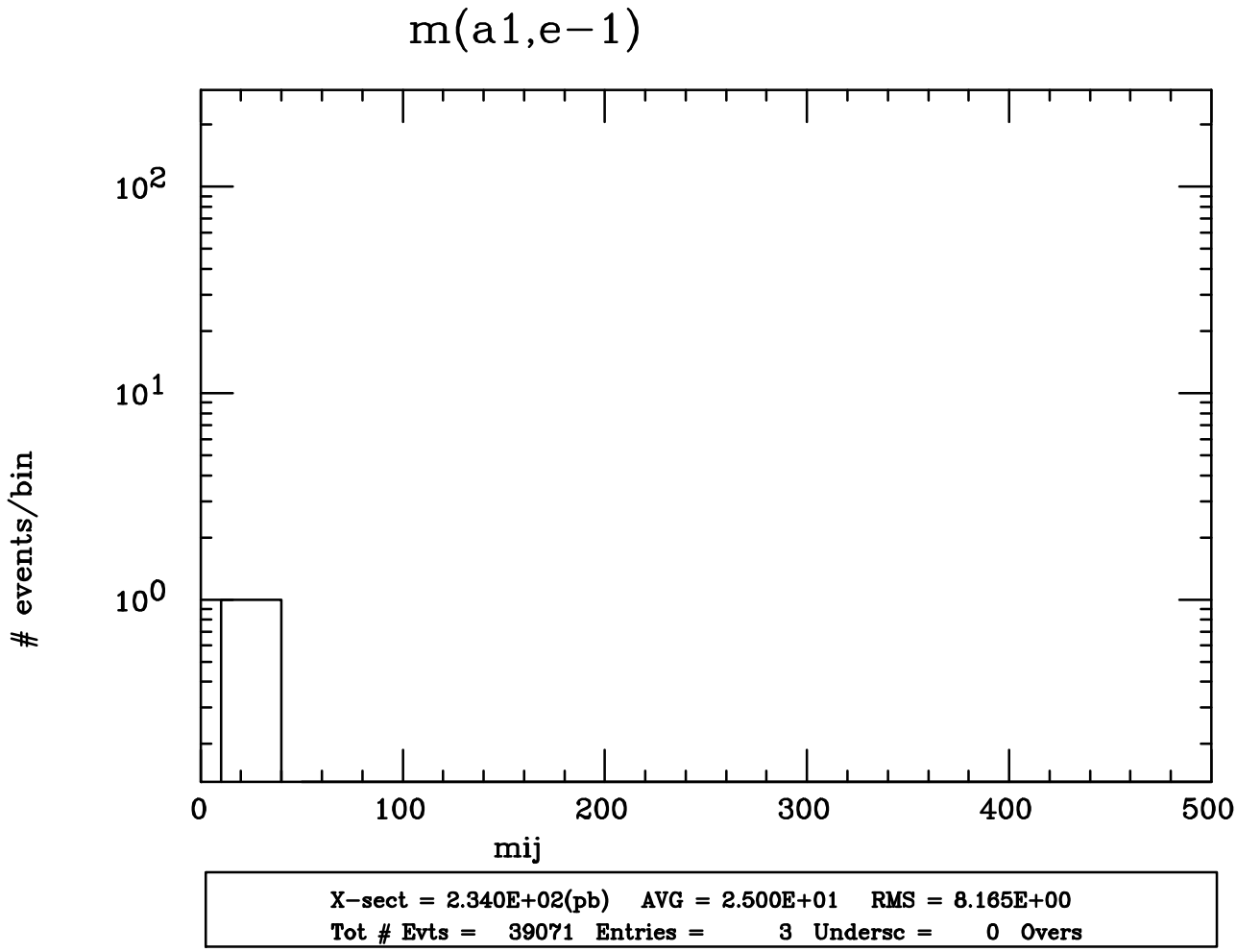

m(b2,mu+1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 5.833E+01 RMS = 2.055E+01
Tot # Evts = 39071 Entries = 3 Undersc = 0 Overs

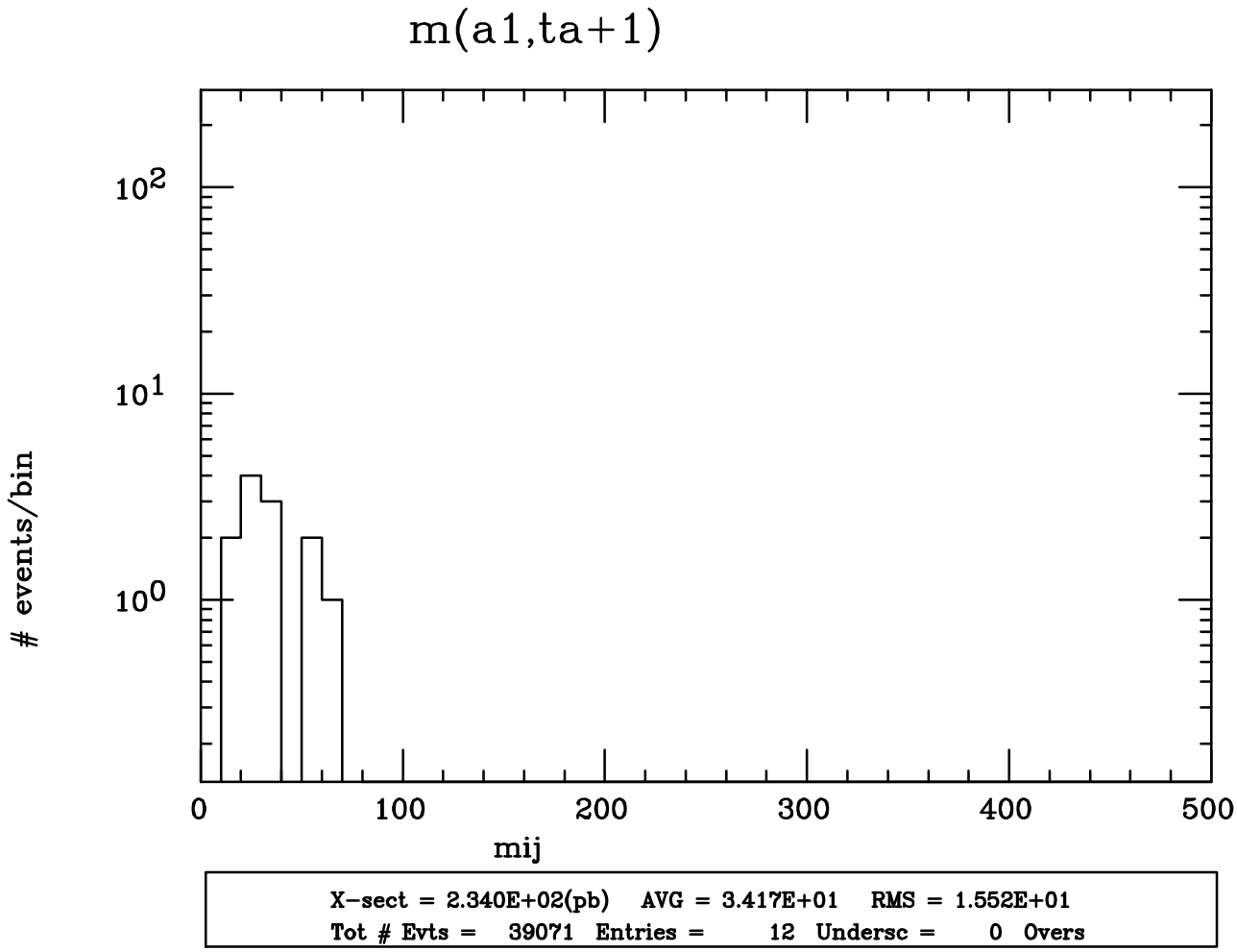

m(b1,e−1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X−sect = 2.340E+02(pb) AVG = 2.500E+01 RMS = 0.000E+00
Tot # Evts = 39071 Entries = 1 Undersc = 0 Overs

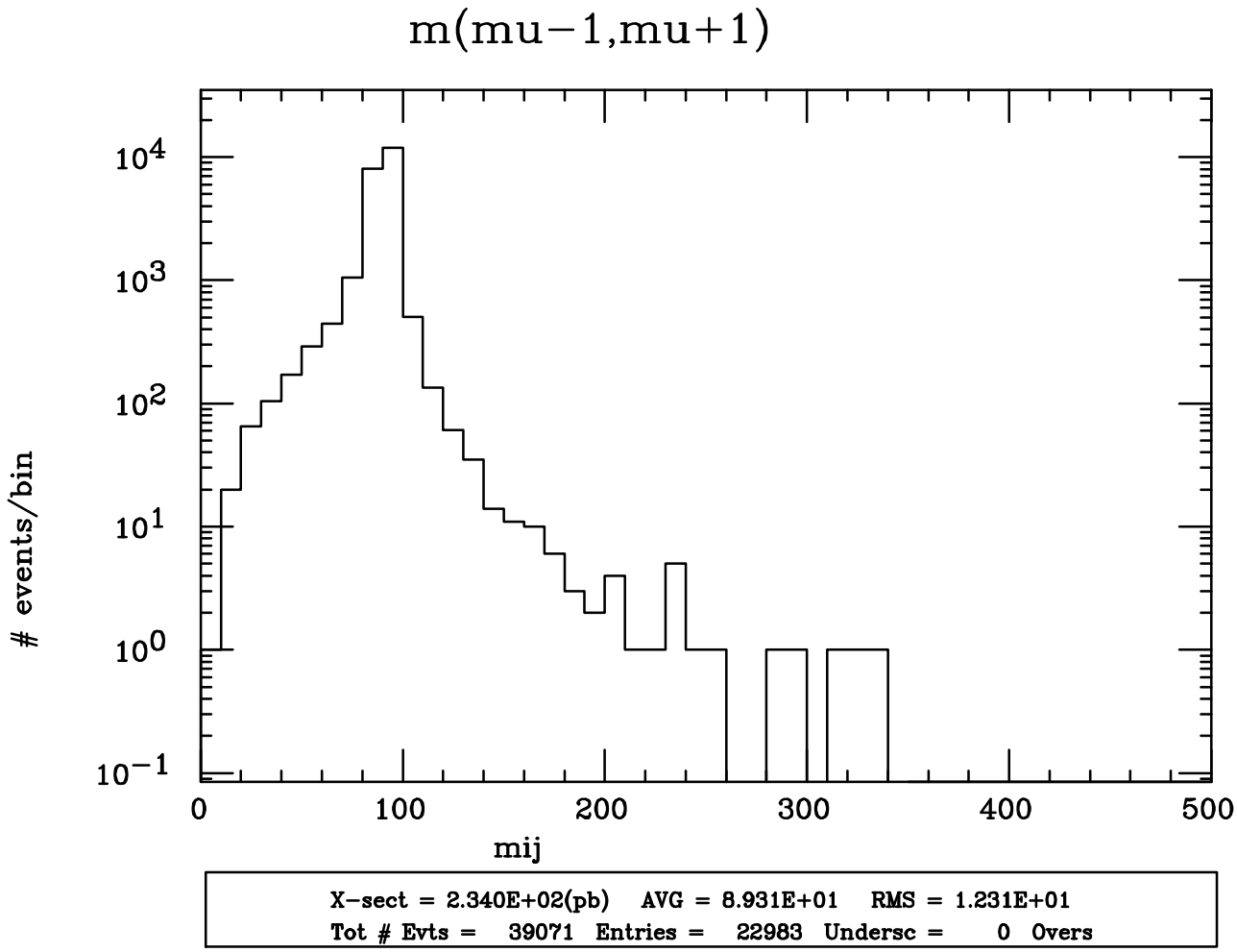

m(b1,ta+1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 6.300E+01 RMS = 7.679E+01
Tot # Evts = 39071 Entries = 5 Undersc = 0 Overs

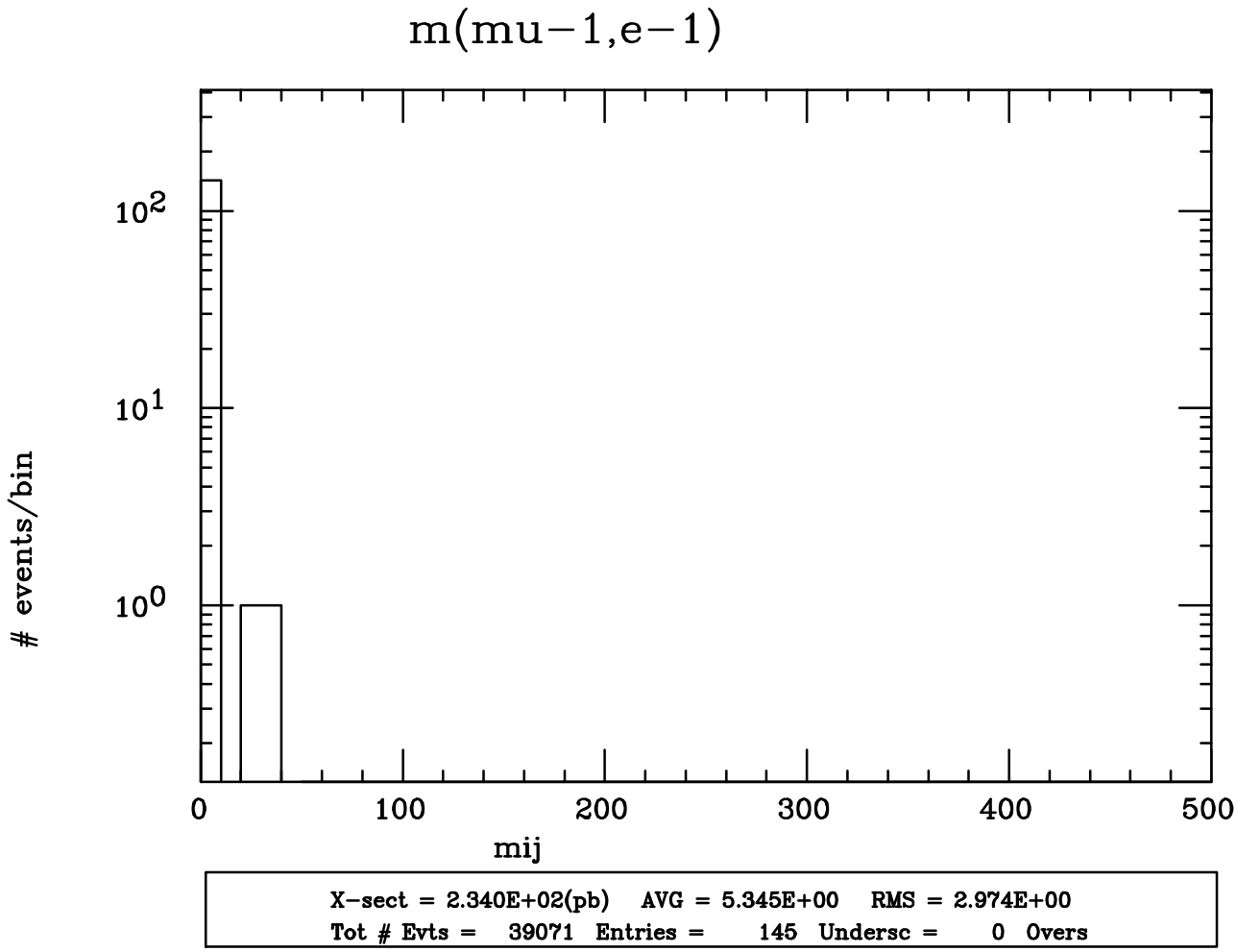

m(a1,mu−1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X−sect = 2.340E+02(pb) AVG = 3.630E+01 RMS = 2.321E+01
Tot # Evts = 39071 Entries = 538 Undersc = 0 Overs

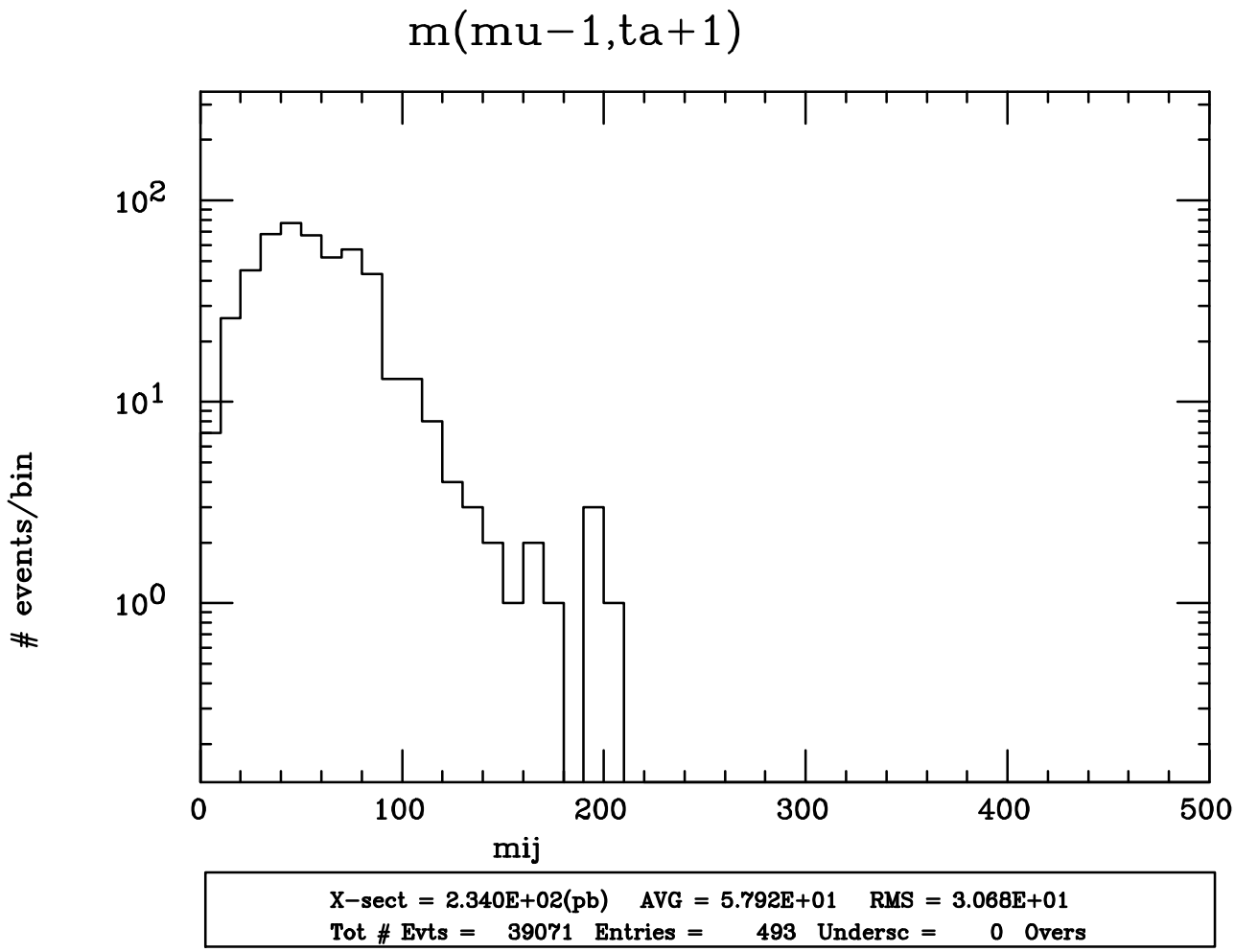

m(a1,mu+1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 3.254E+01 RMS = 2.198E+01
Tot # Evts = 39071 Entries = 505 Undersc = 0 Overs

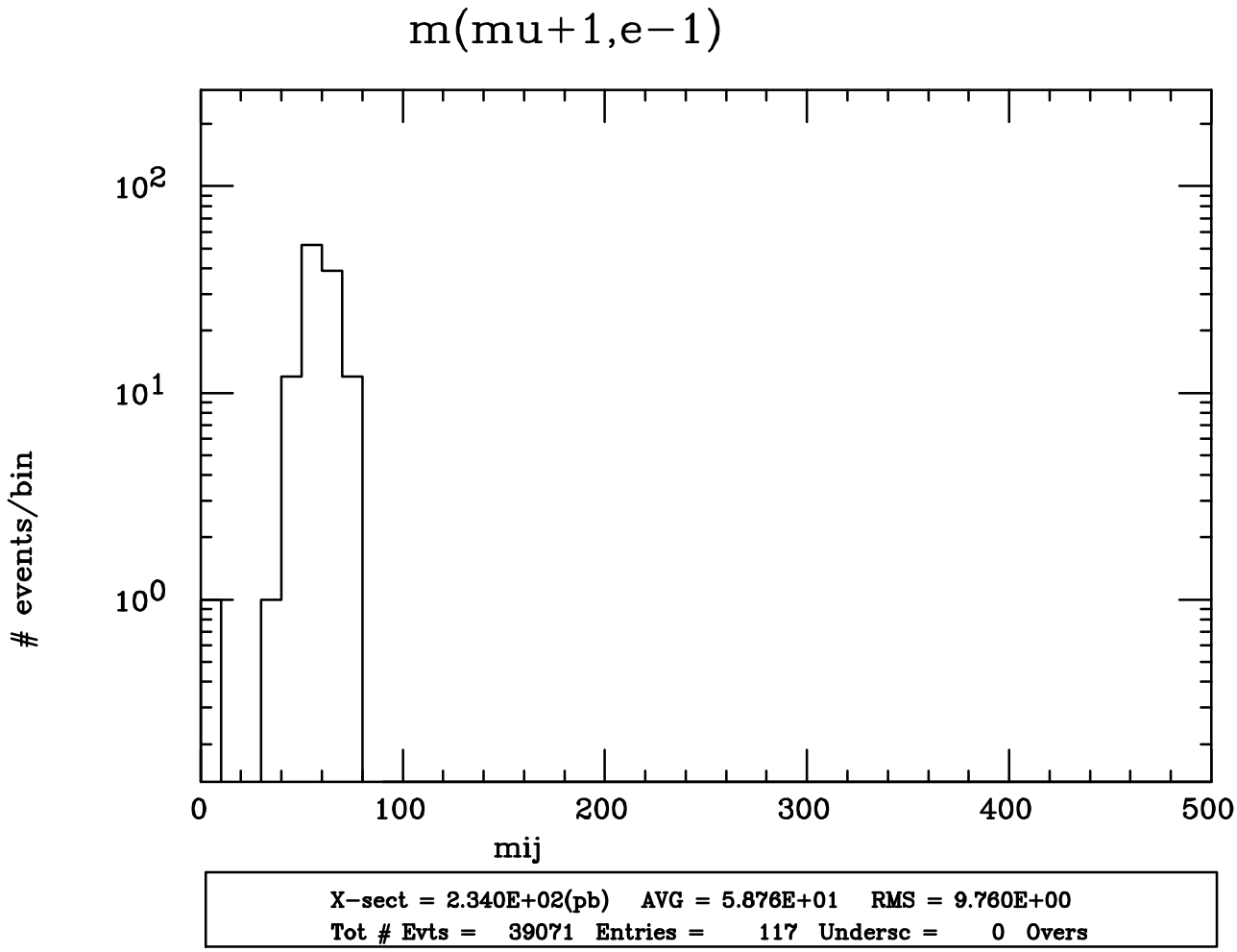

m(a1,e−1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X−sect = 2.340E+02(pb) AVG = 2.500E+01 RMS = 8.165E+00
Tot # Evts = 39071 Entries = 3 Undersc = 0 Overs

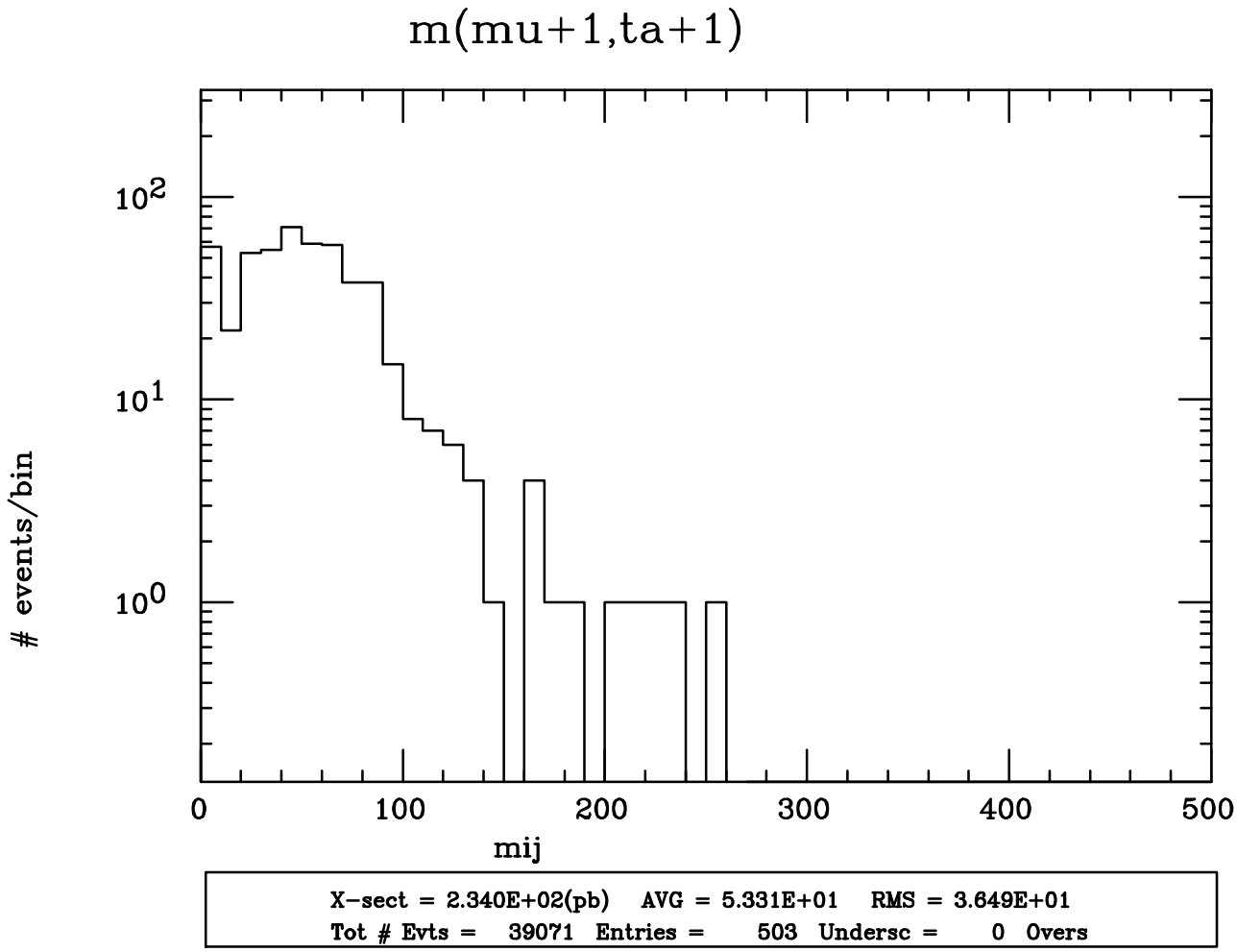

m(a1,ta+1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 3.417E+01 RMS = 1.552E+01
Tot # Evts = 39071 Entries = 12 Undersc = 0 Overs

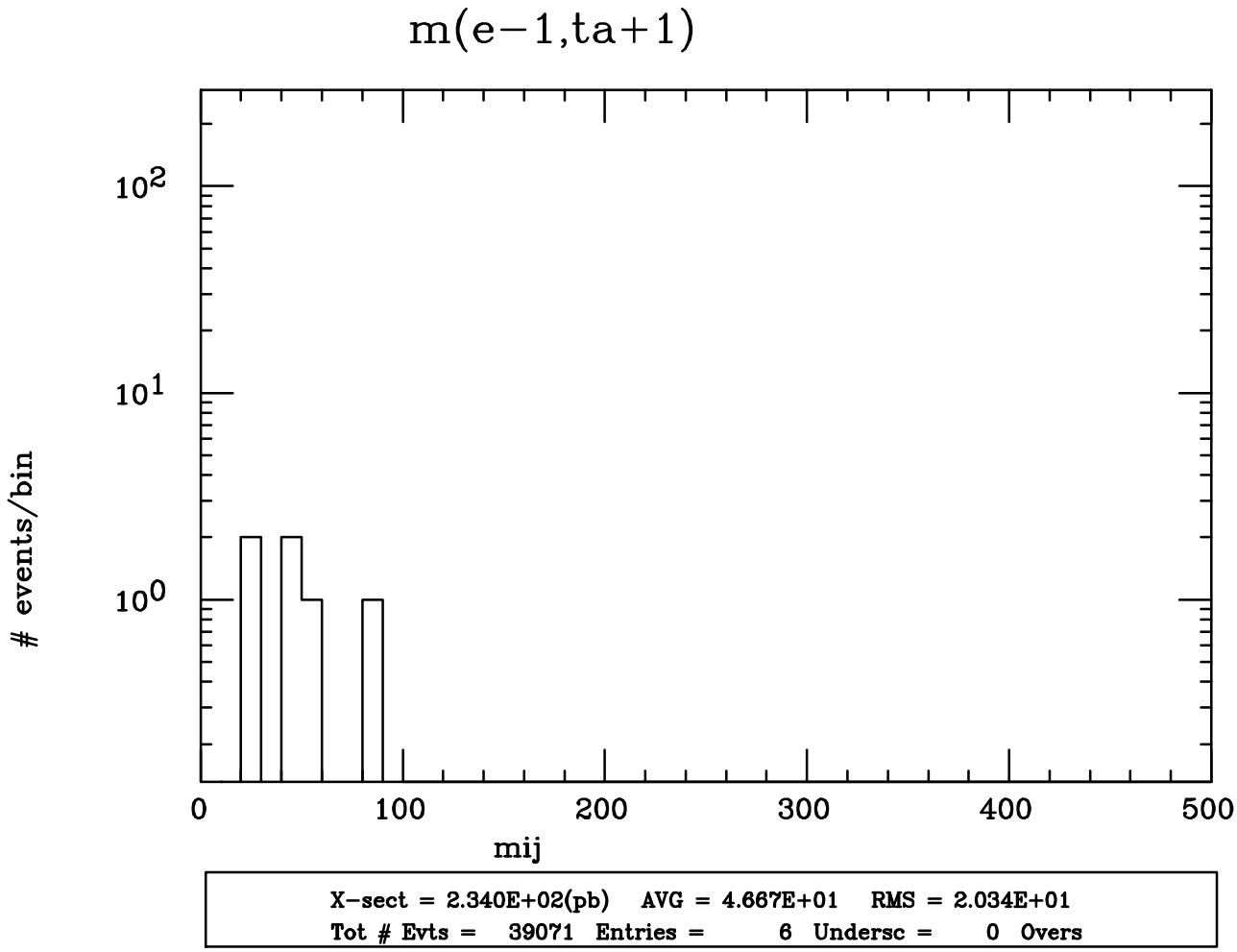

m(mu−1,mu+1)
# events/bin
10^4
10^3
10^2
10^1
10^0
10^{-1}
0
100
200
300
400
500
mij
X−sect = 2.340E+02(pb) AVG = 8.931E+01 RMS = 1.231E+01
Tot # Evts = 39071 Entries = 22983 Undersc = 0 Overs

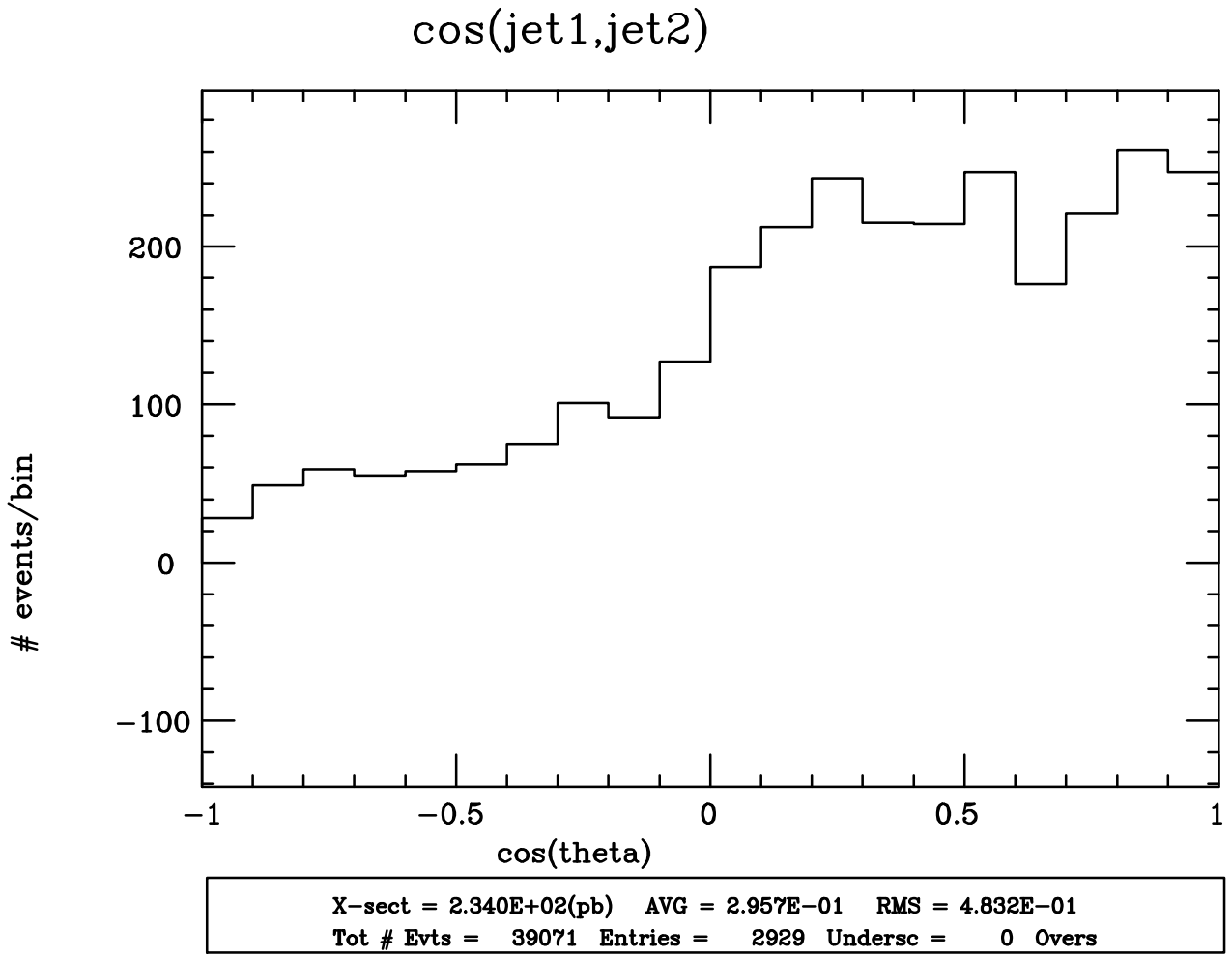

m(mu−1,e−1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X−sect = 2.340E+02(pb) AVG = 5.345E+00 RMS = 2.974E+00
Tot # Evts = 39071 Entries = 145 Undersc = 0 Overs

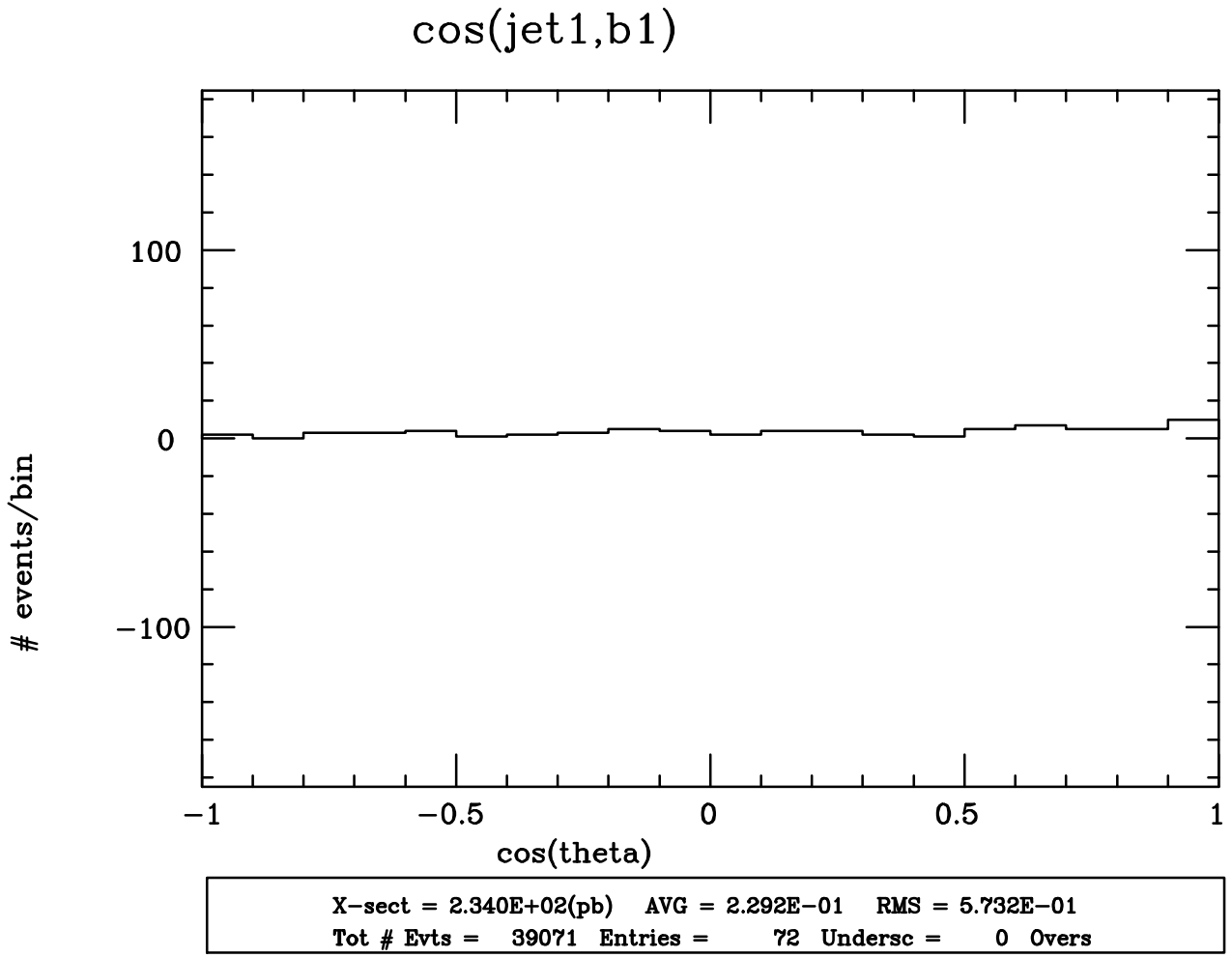

m(mu−1,ta+1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X−sect = 2.340E+02(pb) AVG = 5.792E+01 RMS = 3.068E+01
Tot # Evts = 39071 Entries = 493 Undersc = 0 Overs

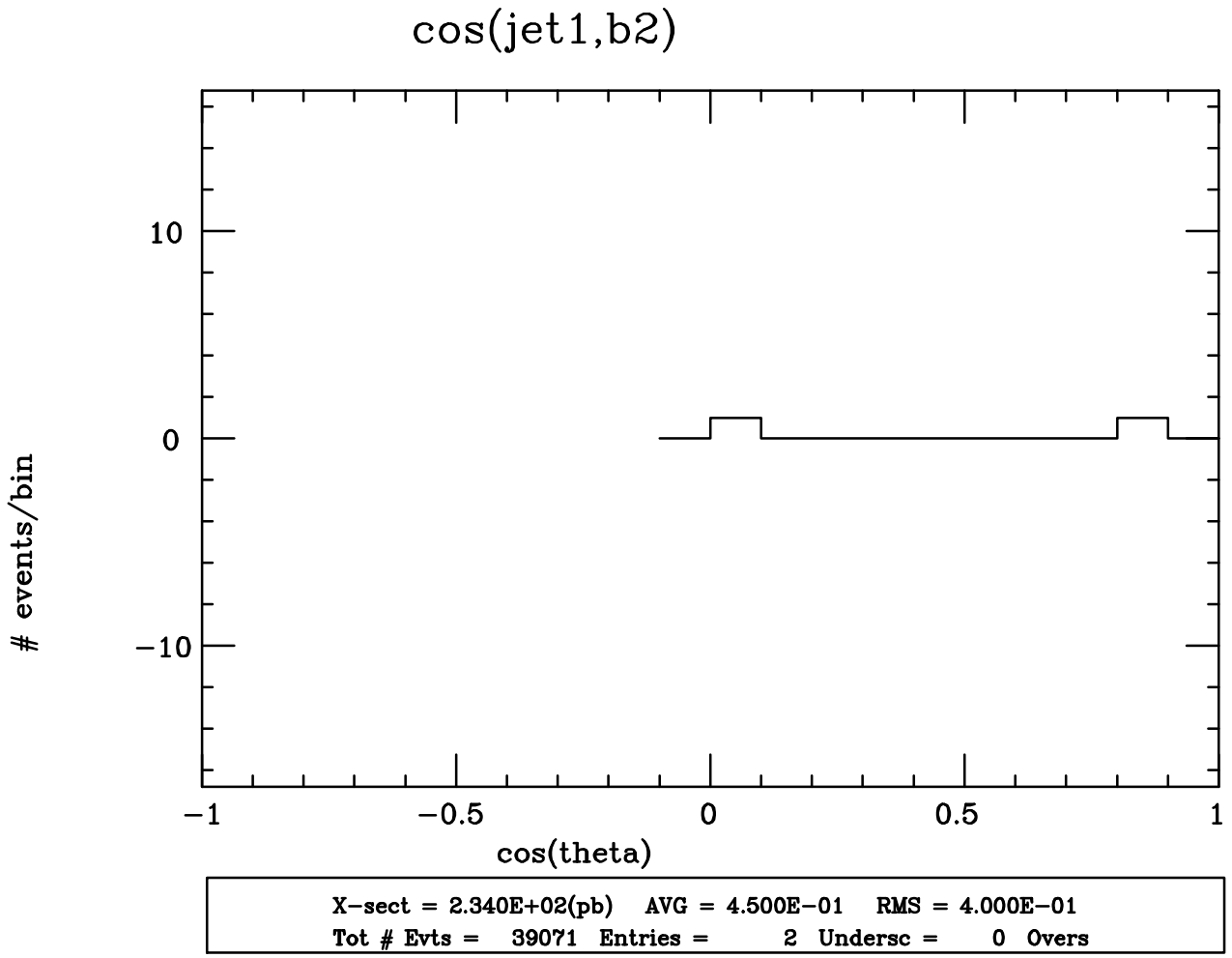

m(mu+1,e−1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X−sect = 2.340E+02(pb) AVG = 5.876E+01 RMS = 9.760E+00
Tot # Evts = 39071 Entries = 117 Undersc = 0 Overs

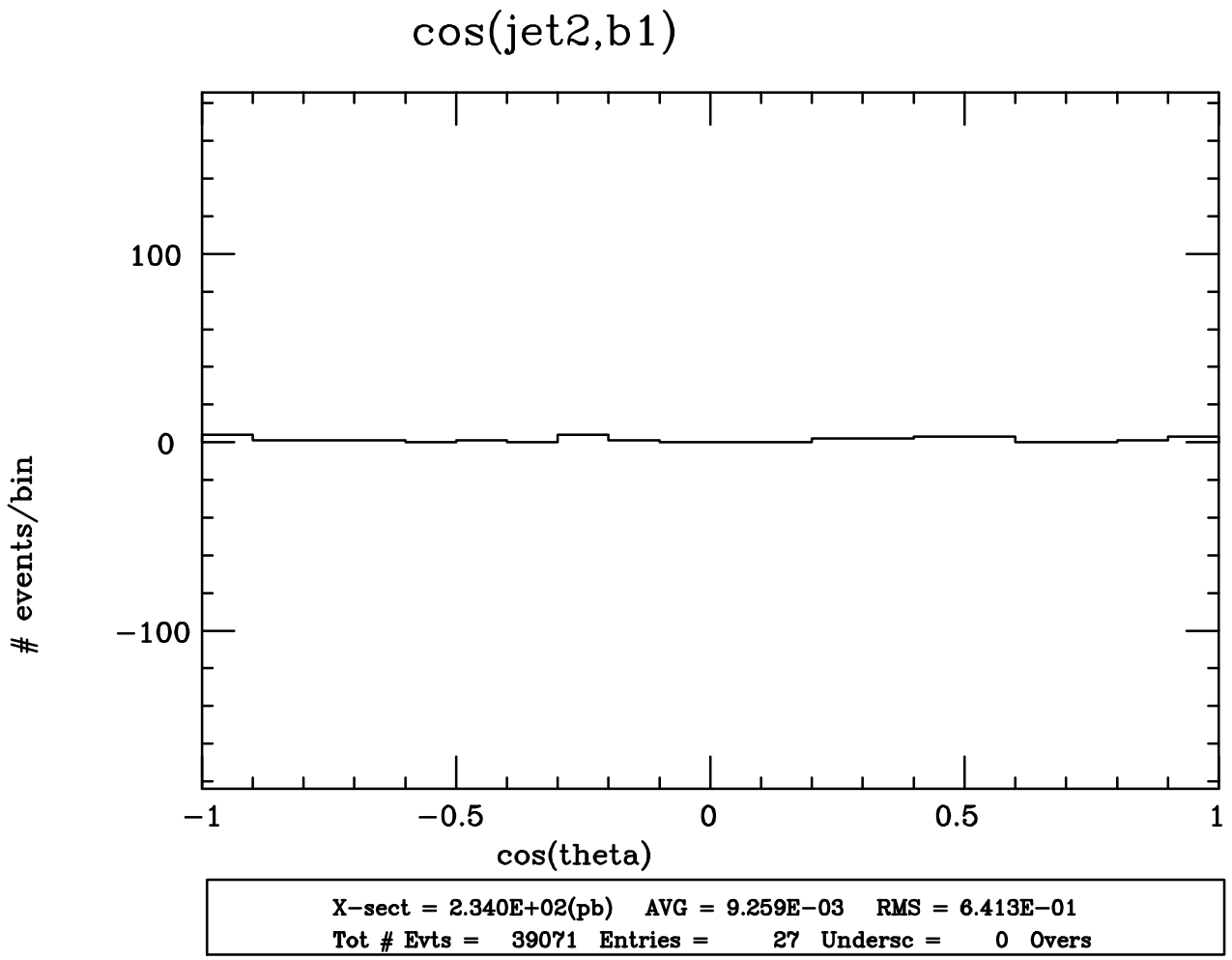

m(mu+1,ta+1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 2.340E+02(pb) AVG = 5.331E+01 RMS = 3.649E+01
Tot # Evts = 39071 Entries = 503 Undersc = 0 Overs

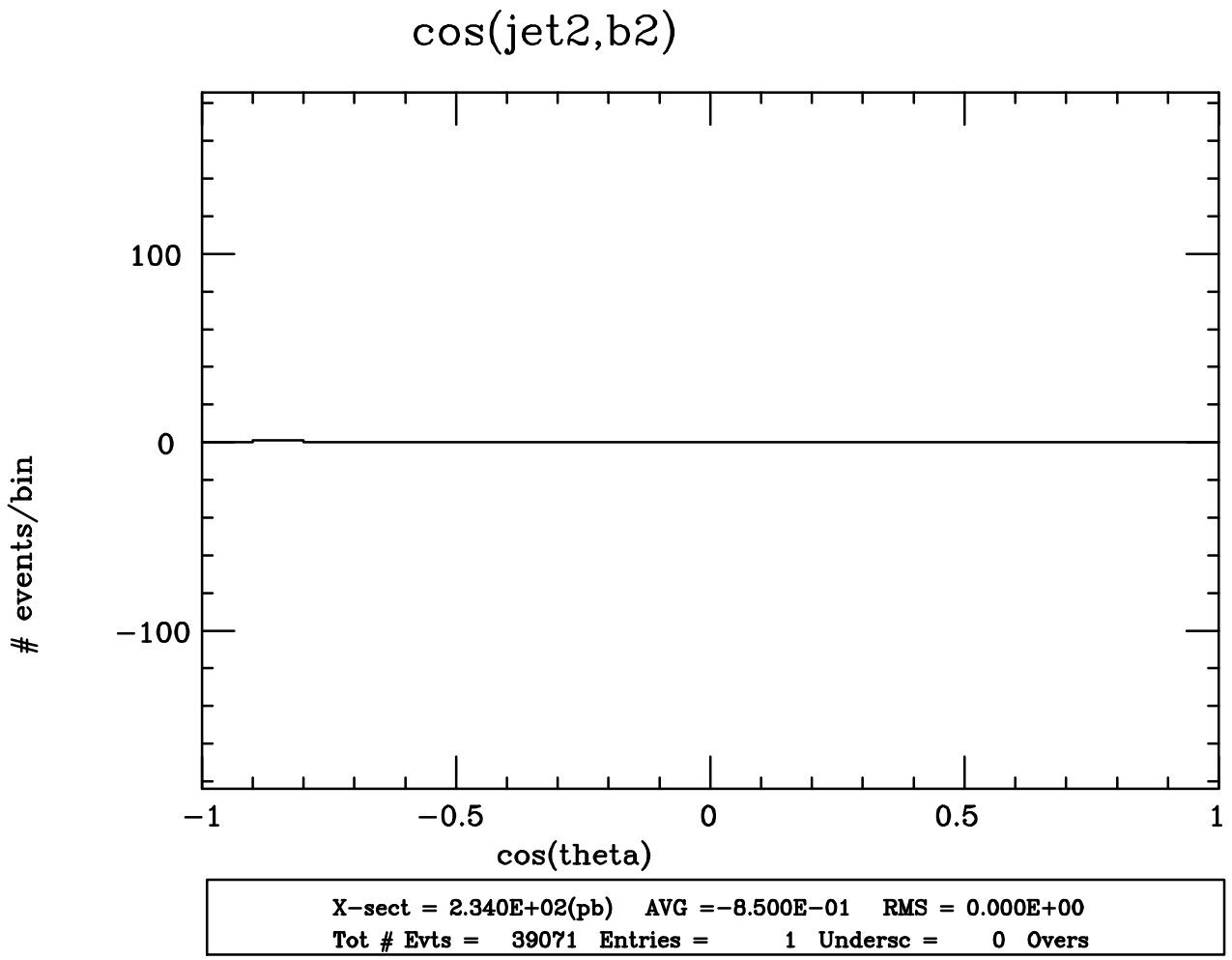

m(e−1,ta+1)
# events/bin
10^2
10^1
10^0
0
100
200
300
400
500
mij
X−sect = 2.340E+02(pb) AVG = 4.667E+01 RMS = 2.034E+01
Tot # Evts = 39071 Entries = 6 Undersc = 0 Overs

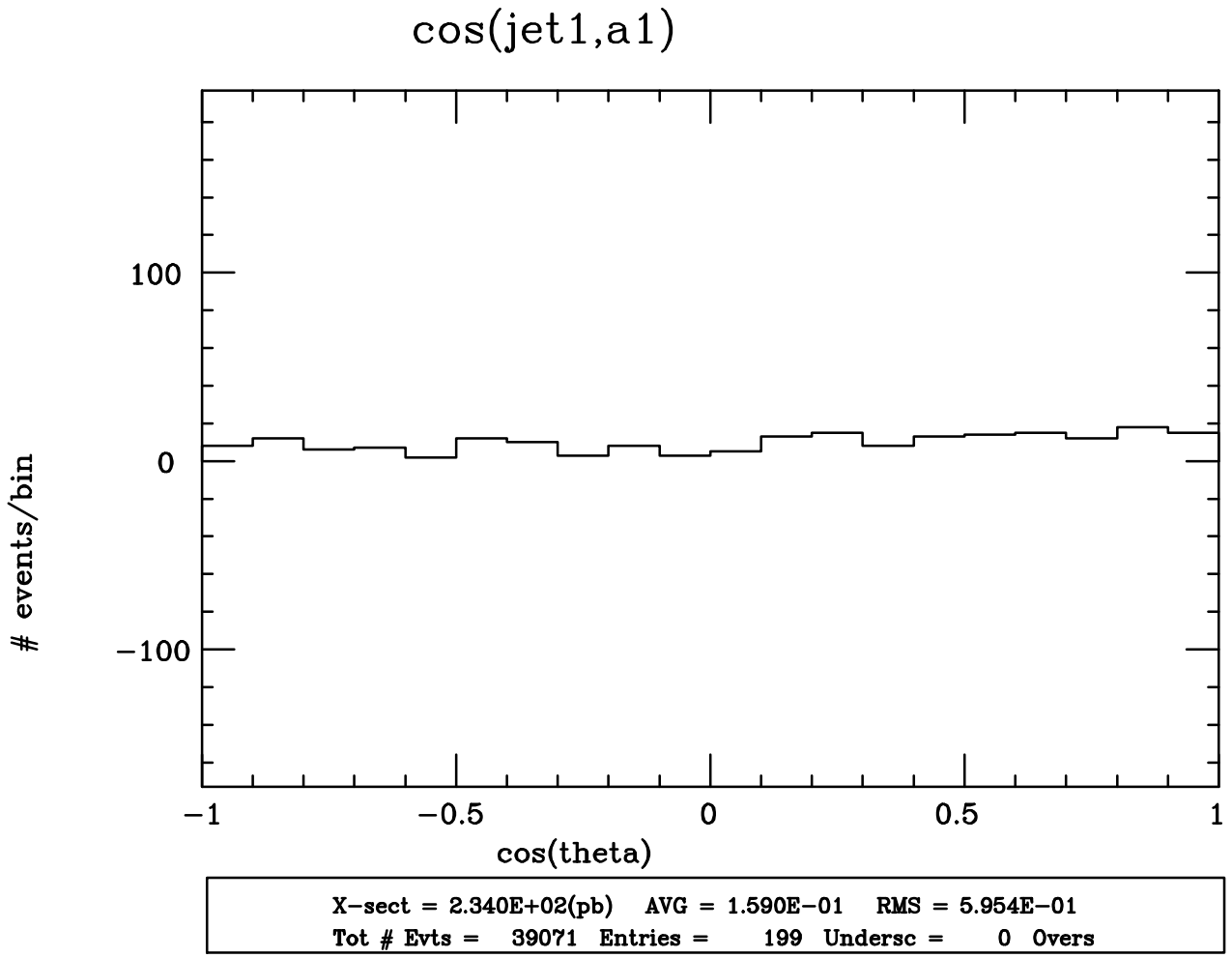

cos(jet1,jet2)
# events/bin
200
100
0
−100
−1
−0.5
0
0.5
1
cos(theta)
X−sect = 2.340E+02(pb) AVG = 2.957E−01 RMS = 4.832E−01
Tot # Evts = 39071 Entries = 2929 Undersc = 0 Overs

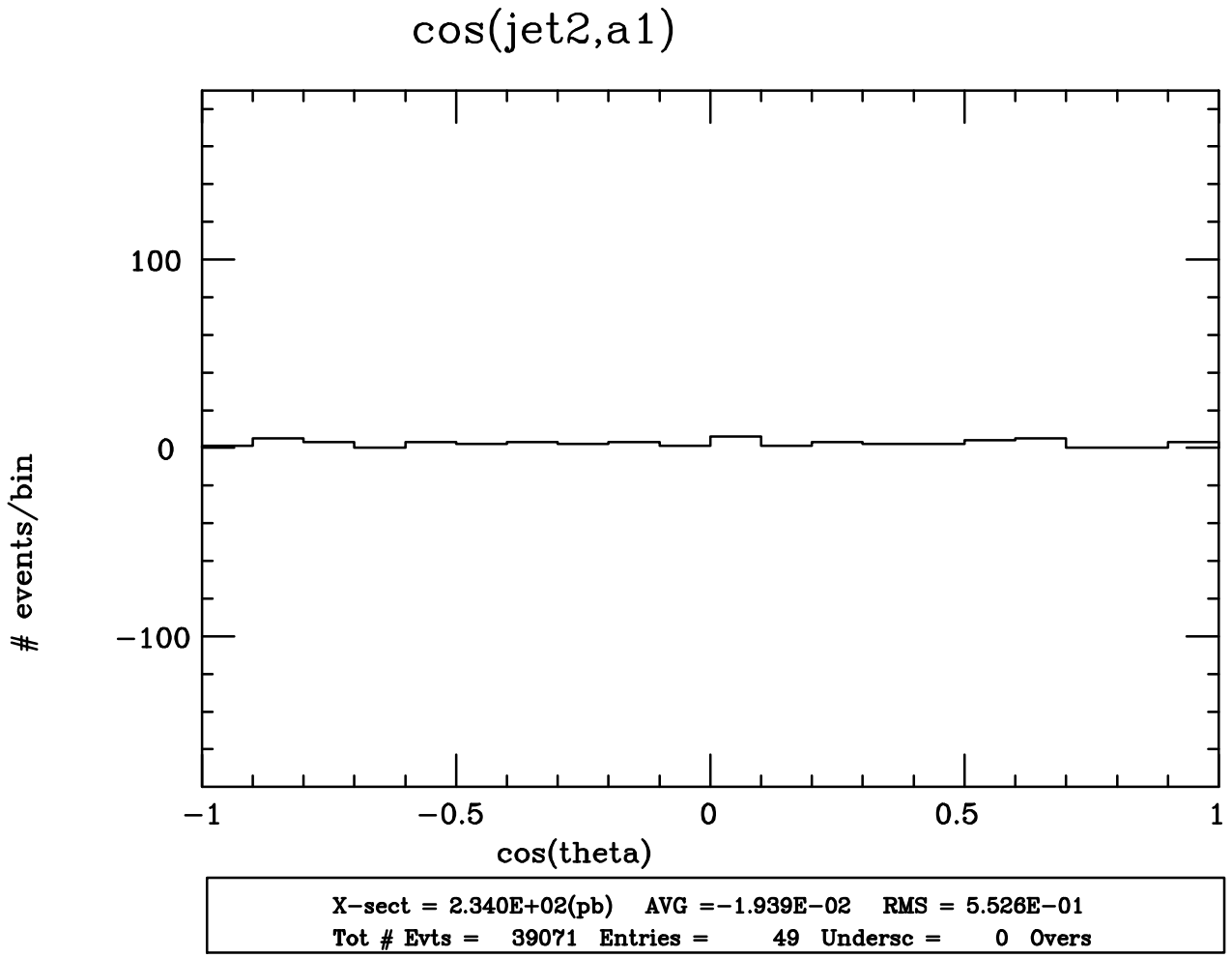

cos(jet1,b1)
100
0
−100
events/bin
−1
−0.5
0
0.5
1
cos(theta)
X−sect = 2.340E+02(pb) AVG = 2.292E−01 RMS = 5.732E−01
Tot # Evts = 39071 Entries = 72 Undersc = 0 Overs

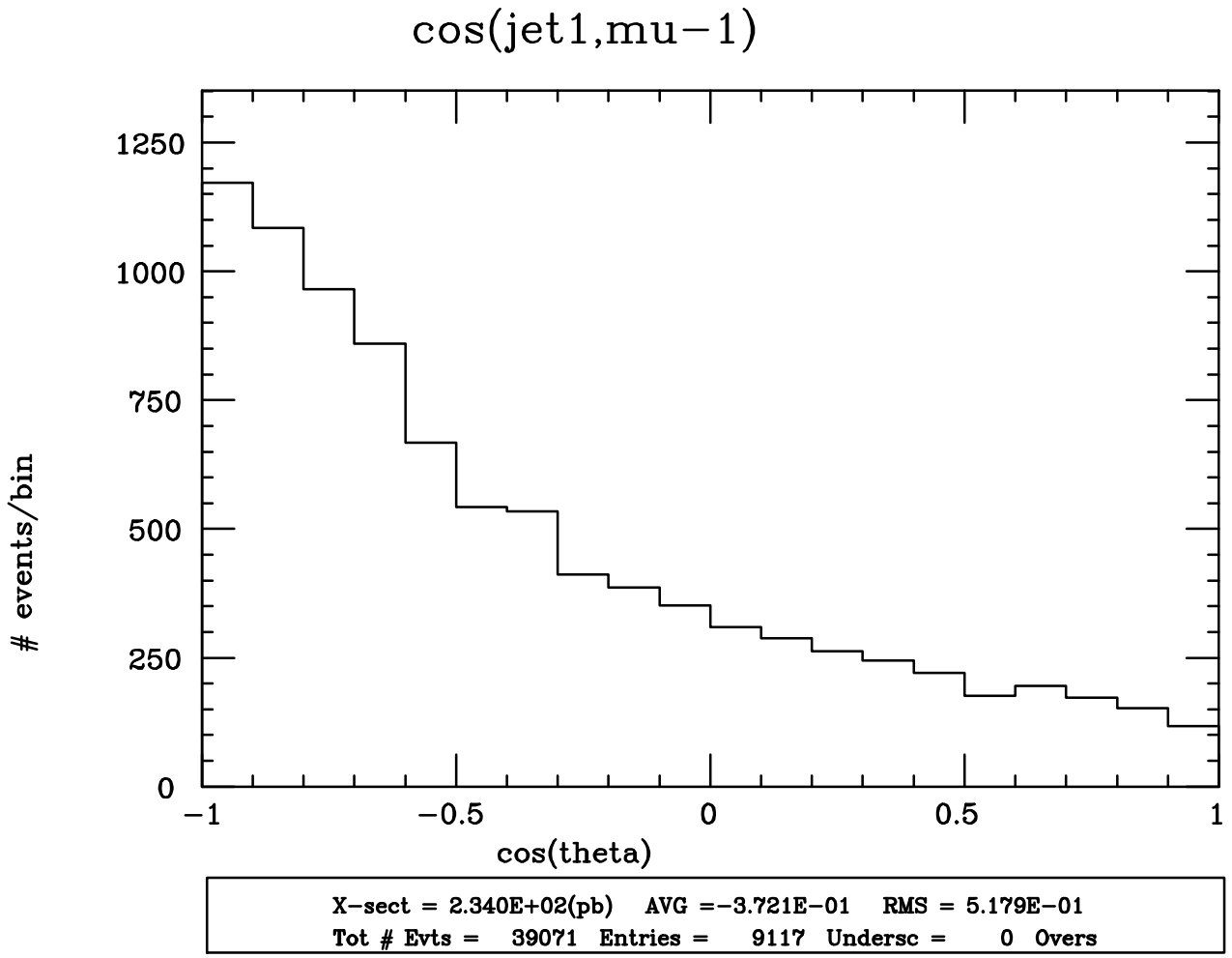

cos(jet1,b2)
10
0
−10
events/bin
−1
−0.5
0
0.5
1
cos(theta)
X−sect = 2.340E+02(pb) AVG = 4.500E−01 RMS = 4.000E−01
Tot # Evts = 39071 Entries = 2 Undersc = 0 Overs

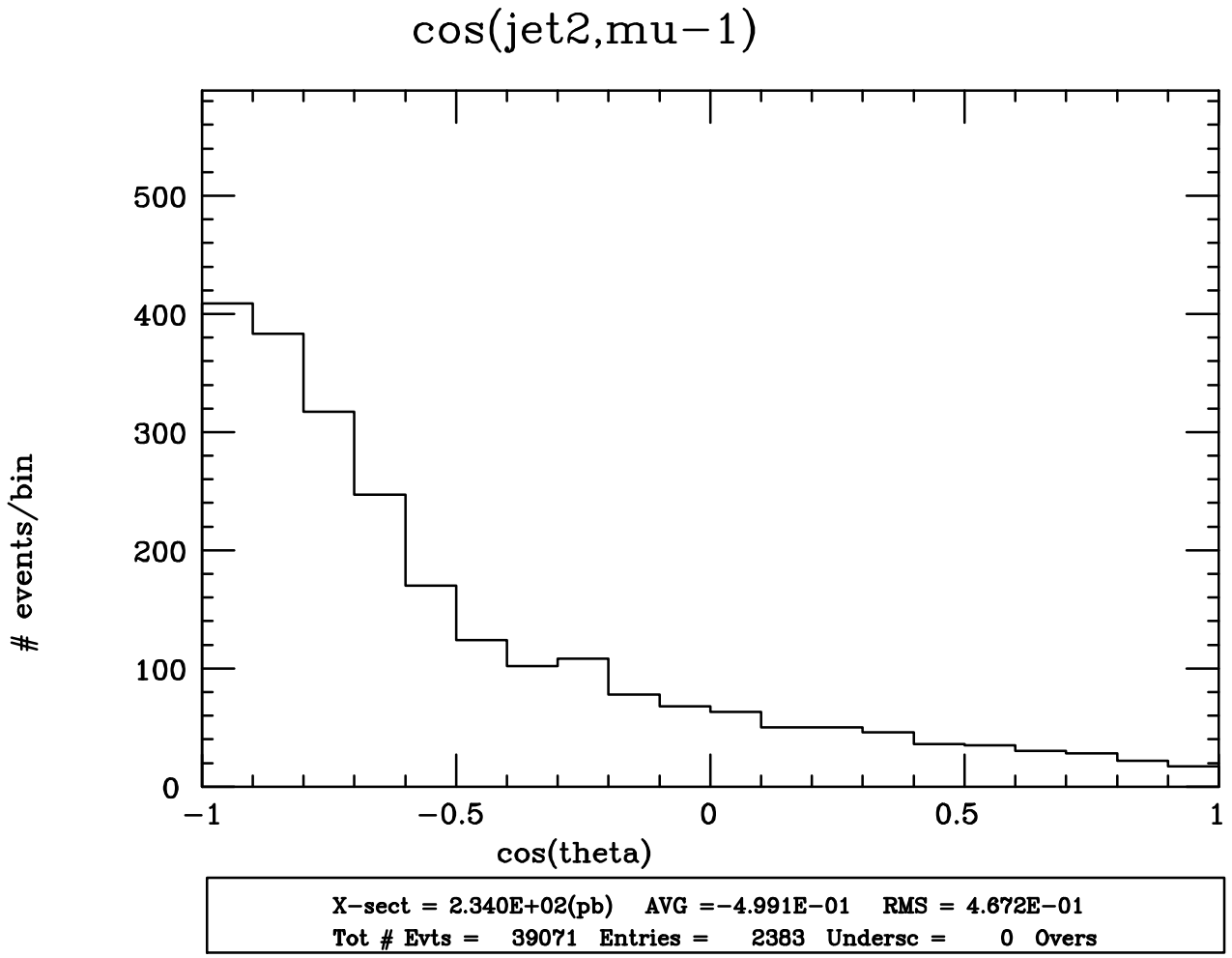

cos(jet2,b1)
100
0
−100
events/bin
−1
−0.5
0
0.5
1
cos(theta)
X−sect = 2.340E+02(pb) AVG = 9.259E−03 RMS = 6.413E−01
Tot # Evts = 39071 Entries = 27 Undersc = 0 Overs

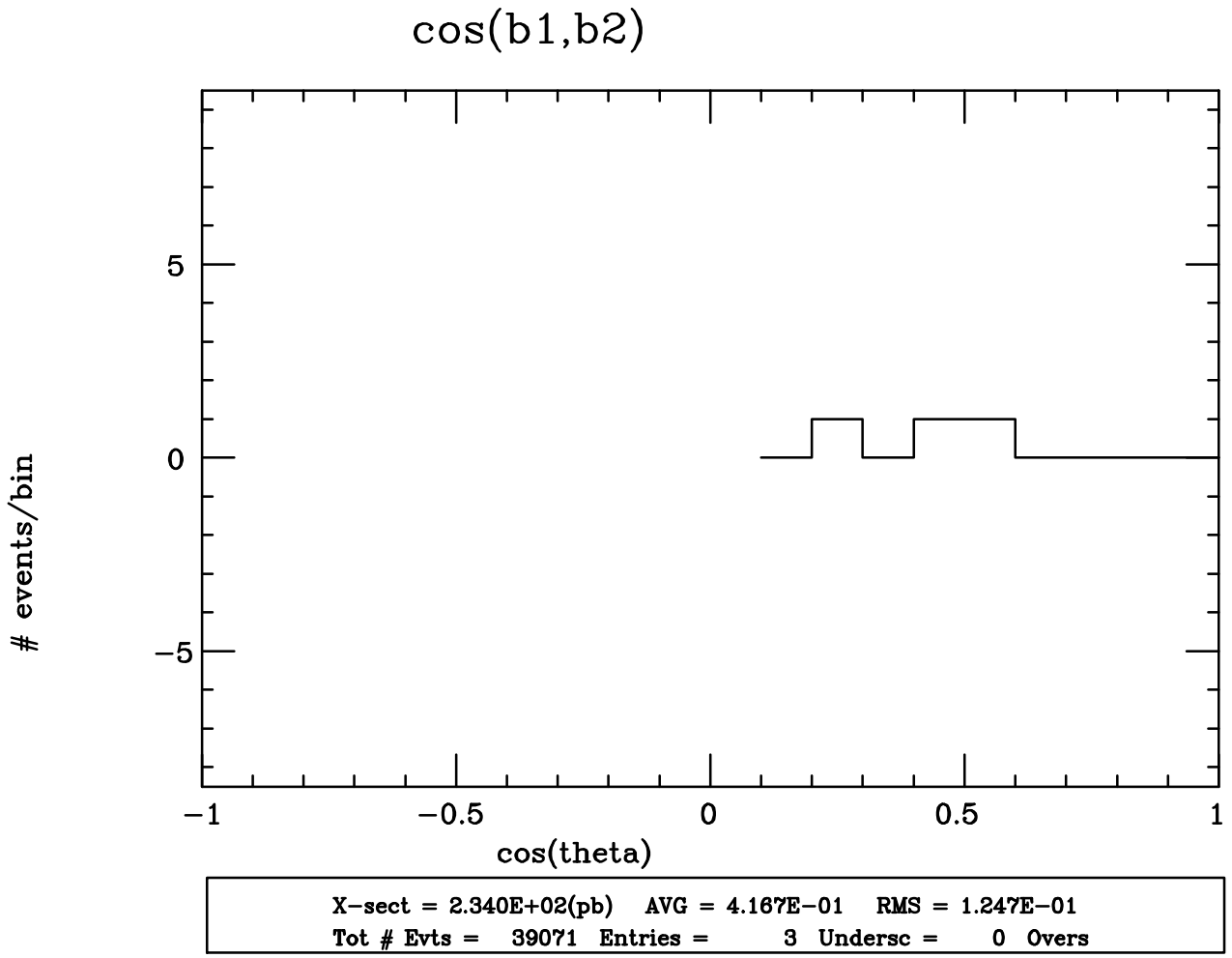

cos(jet2,b2)
100
0
−100
events/bin
−1
−0.5
0
0.5
1
cos(theta)
X−sect = 2.340E+02(pb) AVG =−8.500E−01 RMS = 0.000E+00
Tot # Evts = 39071 Entries = 1 Undersc = 0 Overs

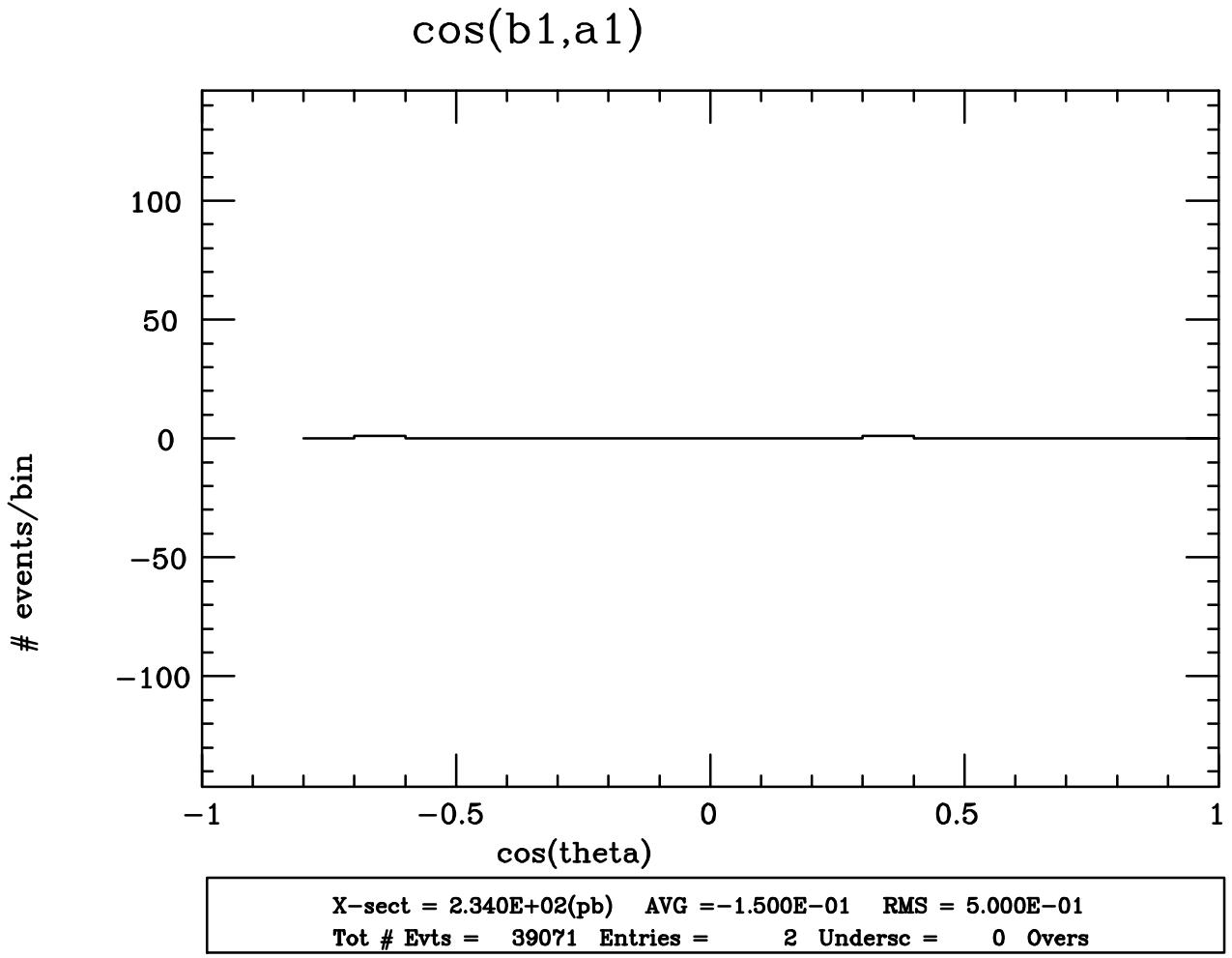

cos(jet1,a1)
100
0
−100
events/bin
−1
−0.5
0
0.5
1
cos(theta)
X−sect = 2.340E+02(pb) AVG = 1.590E−01 RMS = 5.954E−01
Tot # Evts = 39071 Entries = 199 Undersc = 0 Overs

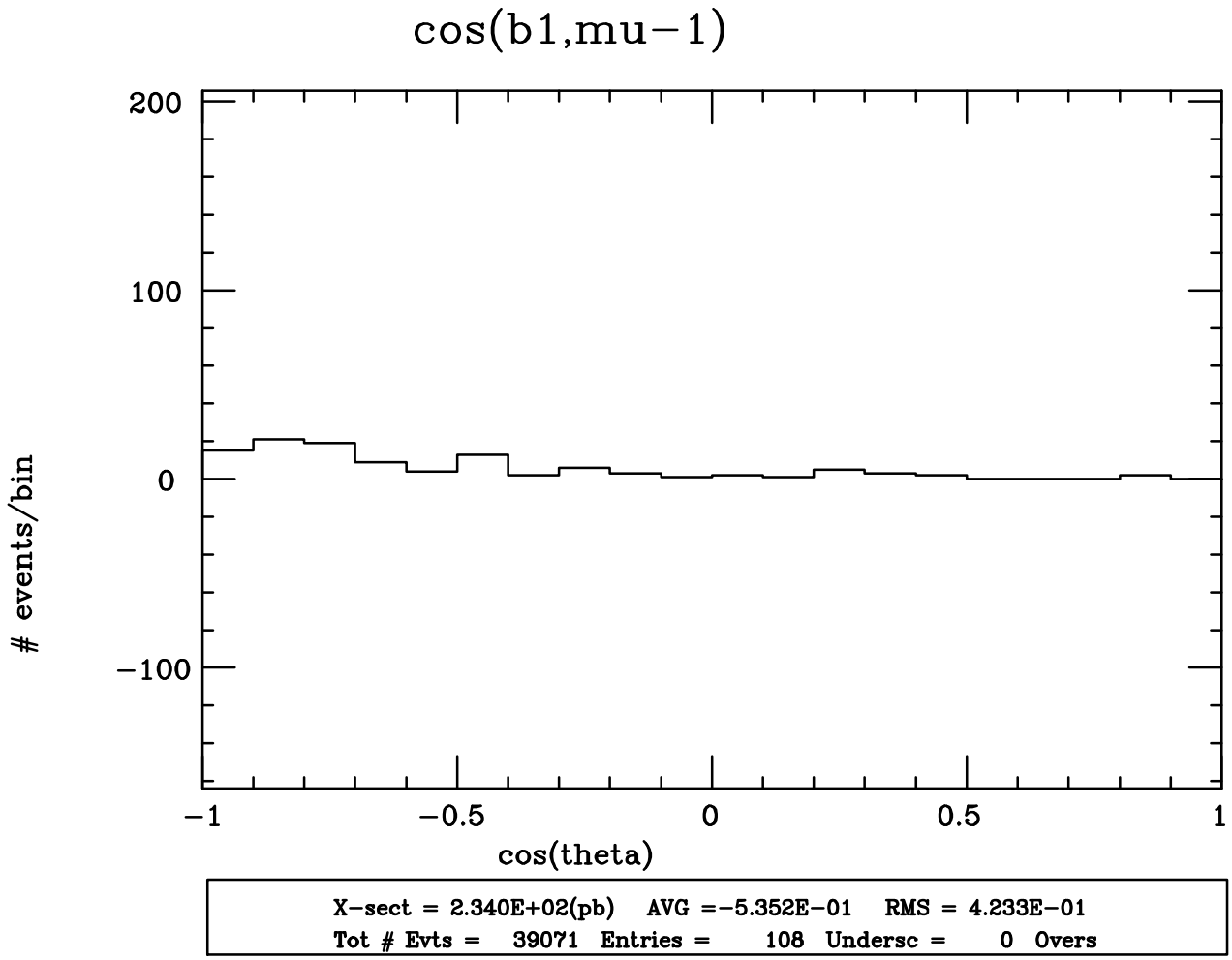

cos(jet2,a1)
100
0
−100
events/bin
−1
−0.5
0
0.5
1
cos(theta)
X−sect = 2.340E+02(pb) AVG =−1.939E−02 RMS = 5.526E−01
Tot # Evts = 39071 Entries = 49 Undersc = 0 Overs

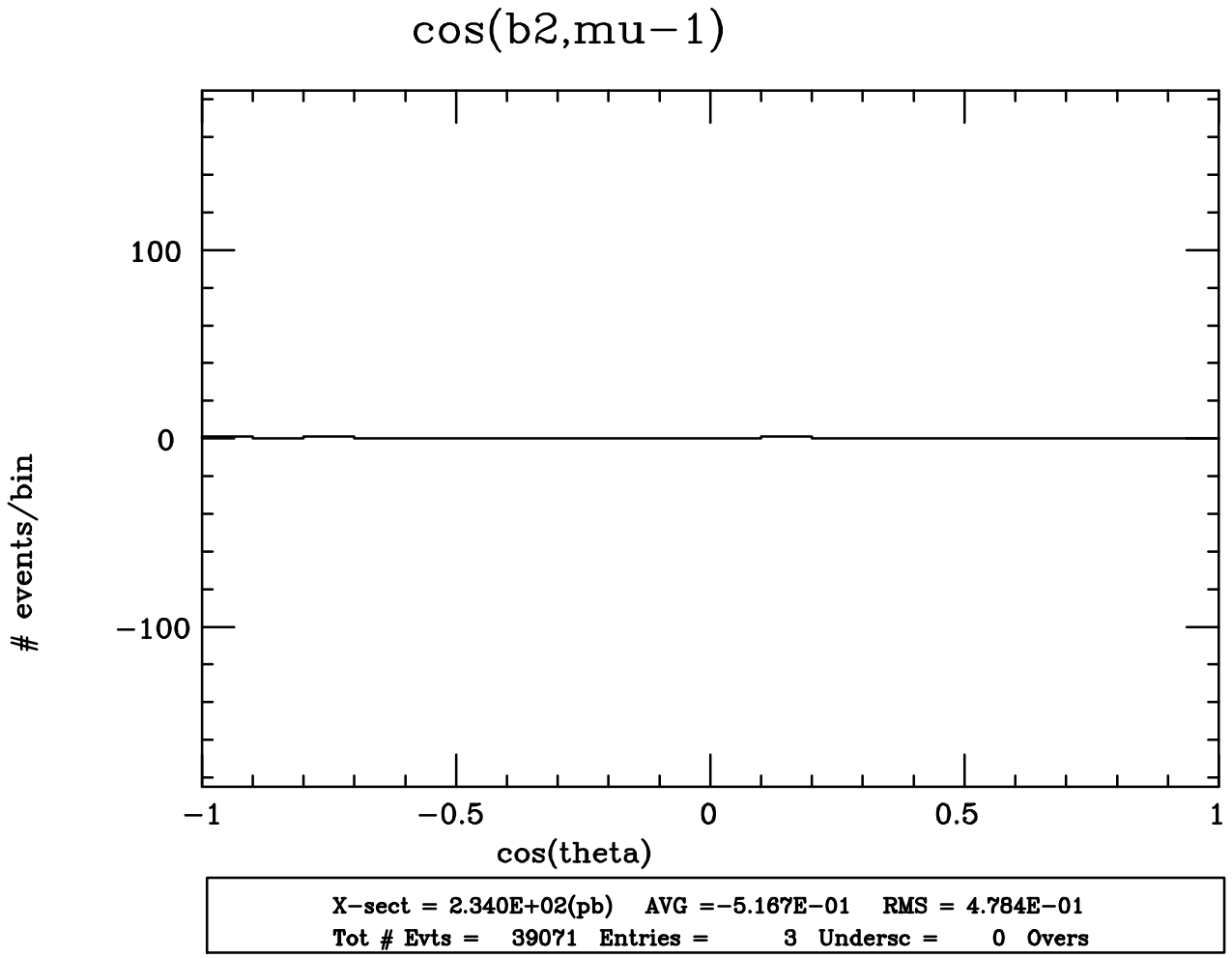

cos(jet1,mu−1)
# events/bin
1250
1000
750
500
250
0
−1
−0.5
0
0.5
1
cos(theta)
X−sect = 2.340E+02(pb) AVG =−3.721E−01 RMS = 5.179E−01
Tot # Evts = 39071 Entries = 9117 Undersc = 0 Overs

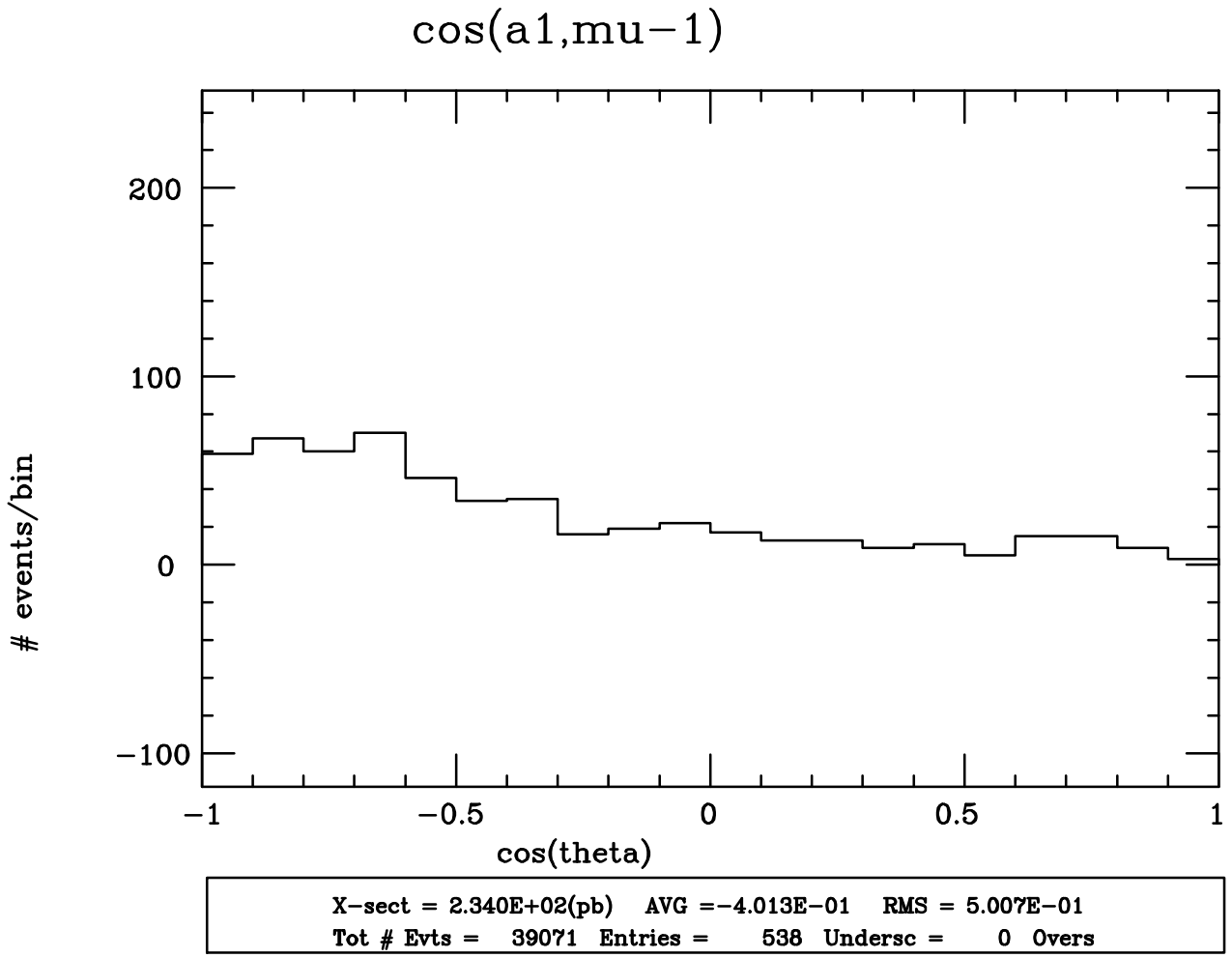

cos(jet2,mu−1)
# events/bin
500
400
300
200
100
0
−1
−0.5
0
0.5
1
cos(theta)
X−sect = 2.340E+02(pb) AVG =−4.991E−01 RMS = 4.672E−01
Tot # Evts = 39071 Entries = 2383 Undersc = 0 Overs


cos(b1,b2)
# events/bin
5
0
−5
−1
−0.5
0
0.5
1
cos(theta)
X−sect = 2.340E+02(pb) AVG = 4.167E−01 RMS = 1.247E−01
Tot # Evts = 39071 Entries = 3 Undersc = 0 Overs


cos(b1,a1)
100
50
0
−50
−100
events/bin
−1
−0.5
0
0.5
1
cos(theta)
X−sect = 2.340E+02(pb) AVG =−1.500E−01 RMS = 5.000E−01
Tot # Evts = 39071 Entries = 2 Undersc = 0 Overs


cos(b1,mu−1)
200
100
0
−100
events/bin
−1
−0.5
0
0.5
1
cos(theta)
X−sect = 2.340E+02(pb) AVG =−5.352E−01 RMS = 4.233E−01
Tot # Evts = 39071 Entries = 108 Undersc = 0 Overs


cos(b2,mu−1)
100
0
−100
events/bin
−1
−0.5
0
0.5
1
cos(theta)
X−sect = 2.340E+02(pb) AVG =−5.167E−01 RMS = 4.784E−01
Tot # Evts = 39071 Entries = 3 Undersc = 0 Overs


cos(a1,mu−1)
200
100
0
−100
events/bin
−1
−0.5
0
0.5
1
cos(theta)
X−sect = 2.340E+02(pb) AVG =−4.013E−01 RMS = 5.007E−01
Tot # Evts = 39071 Entries = 538 Undersc = 0 Overs