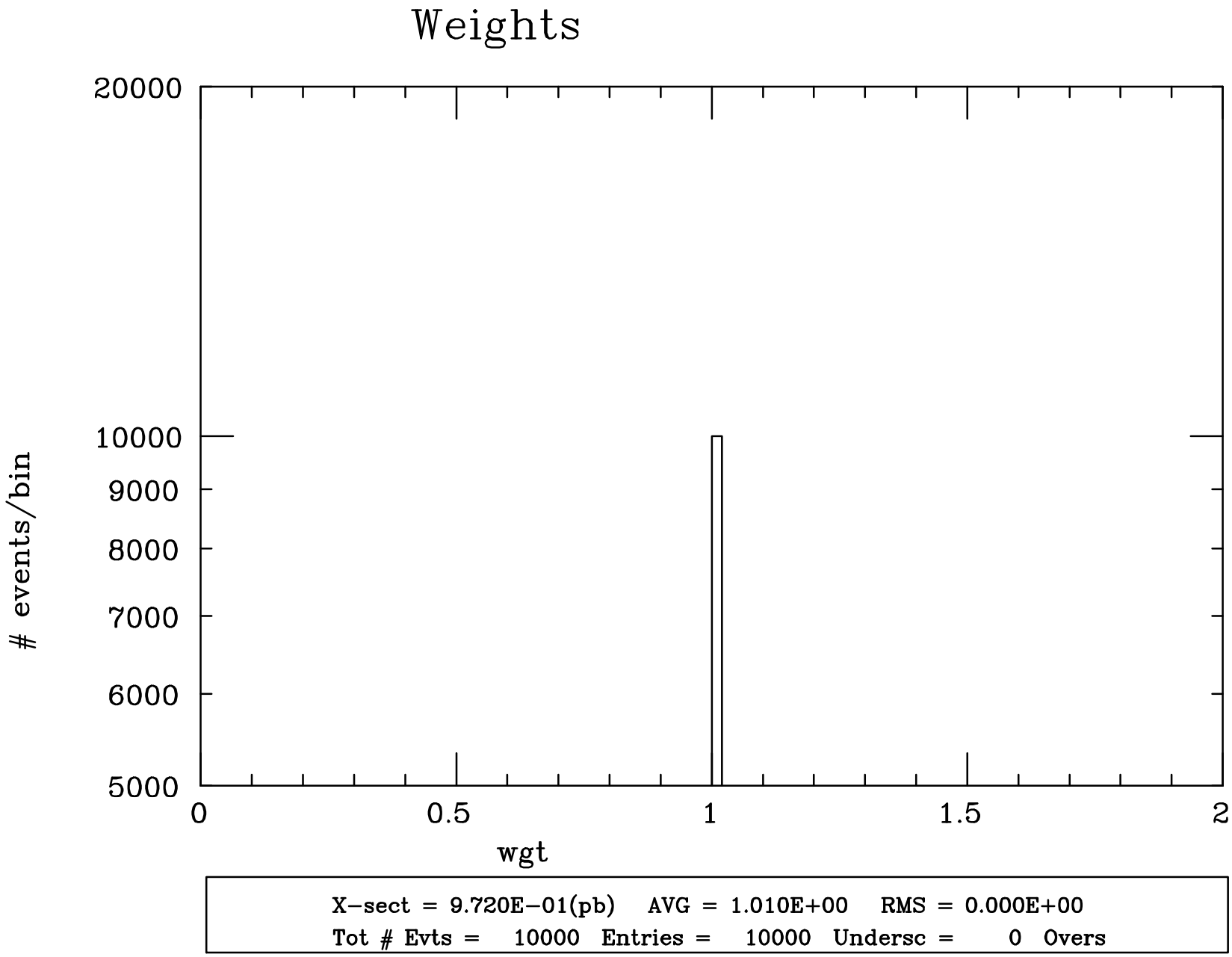
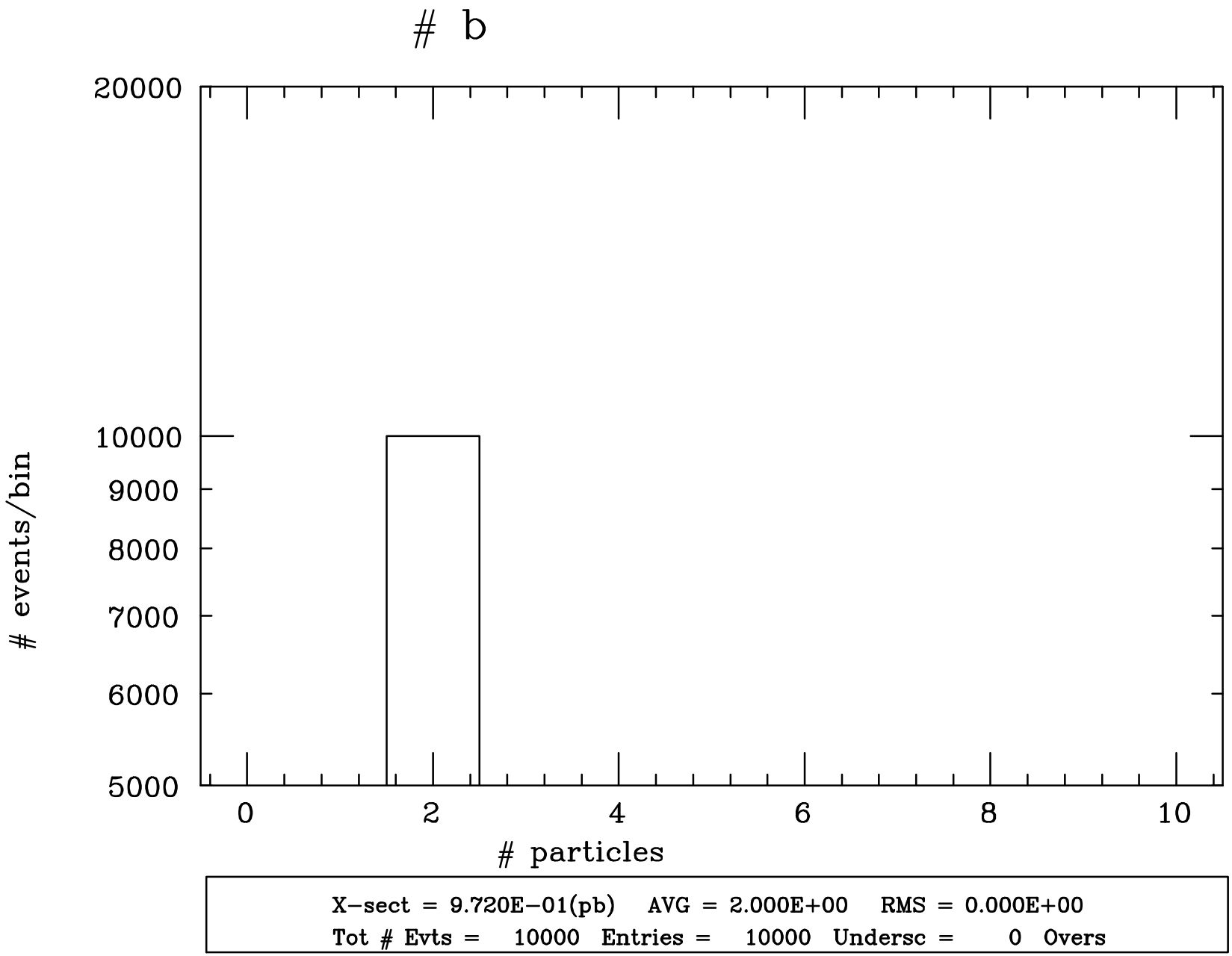
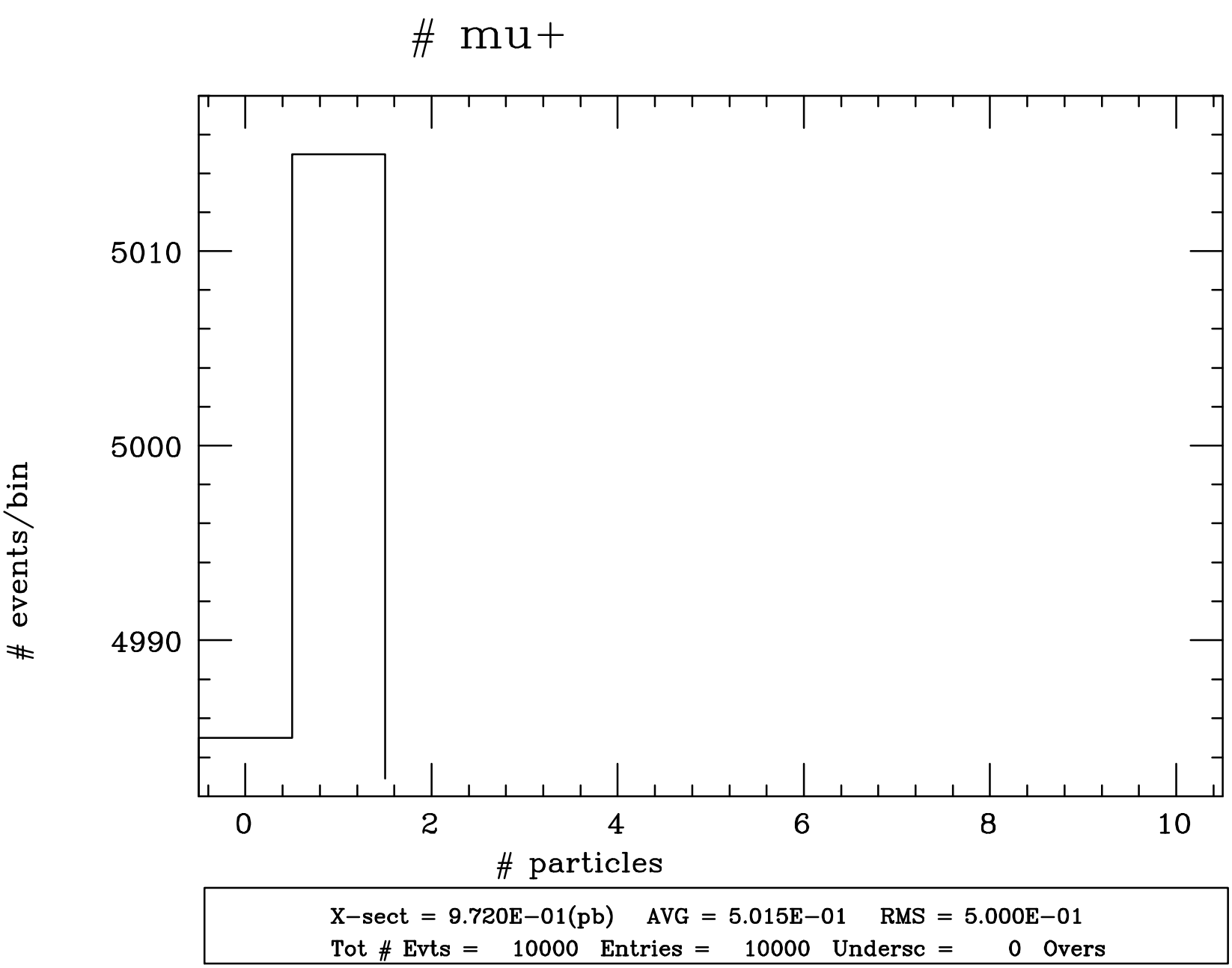
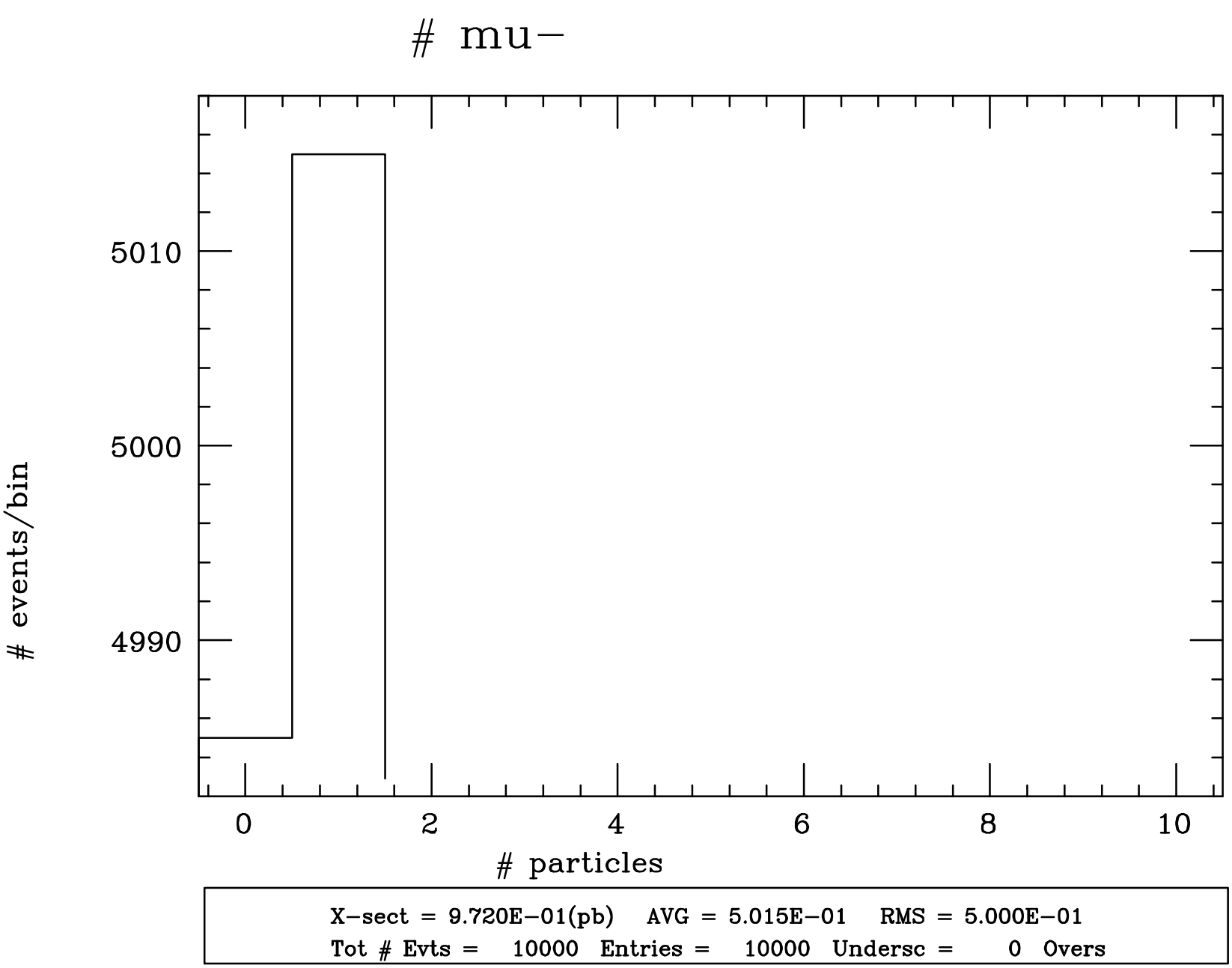
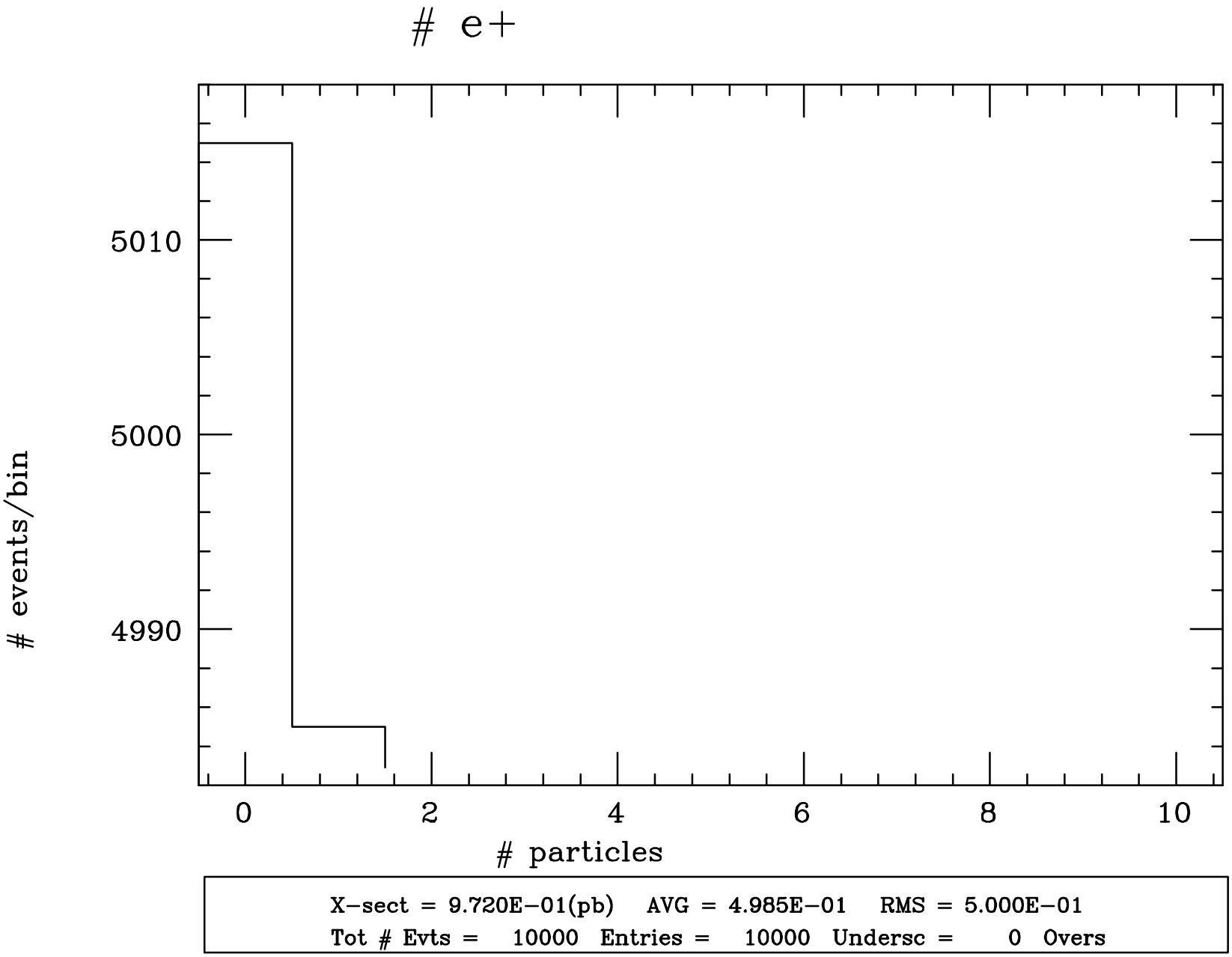
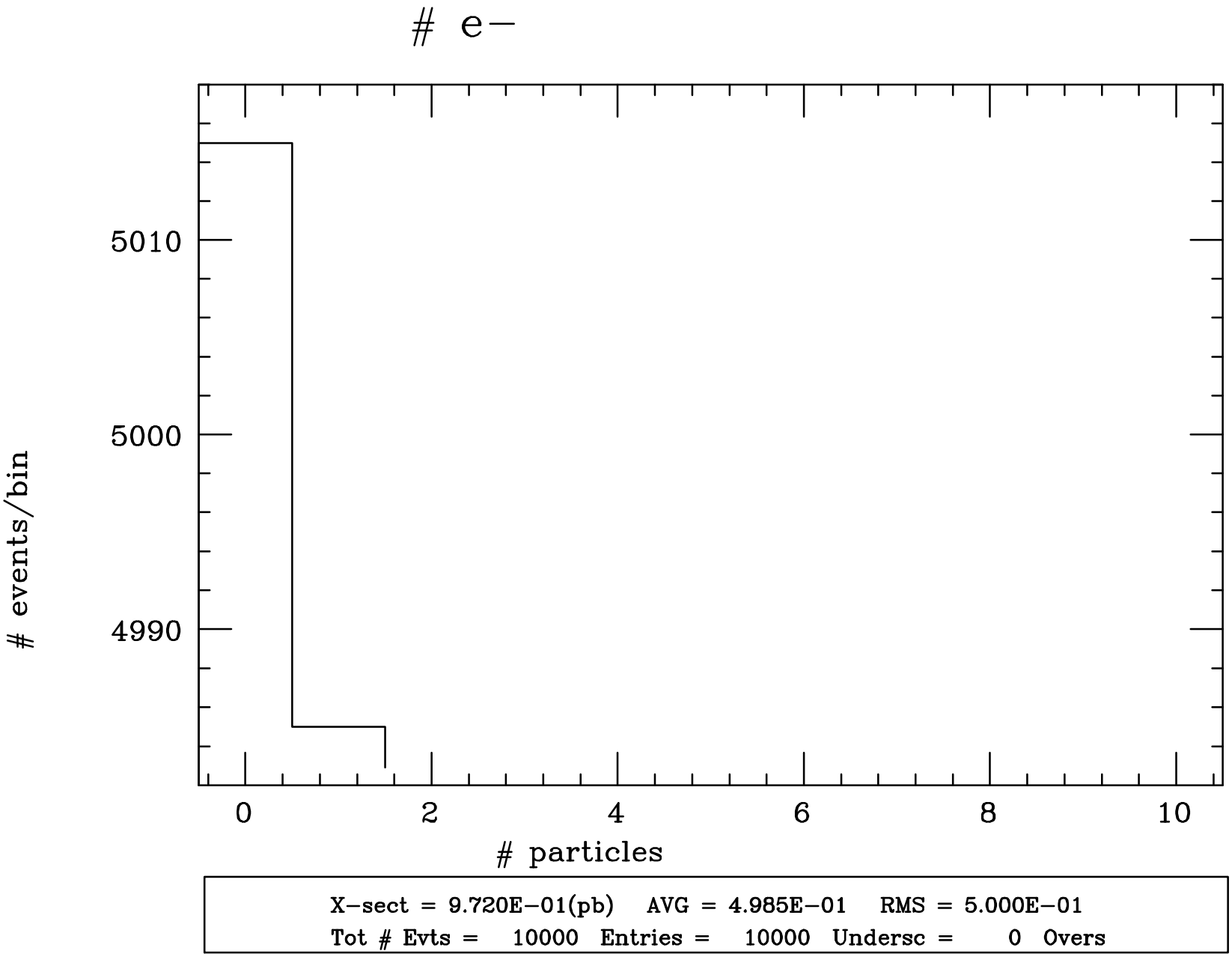

Weights
20000
10000
9000
8000
7000
6000
5000
events/bin
0
0.5
1
1.5
2
wgt
X-sect = 9.720E-01(pb) AVG = 1.010E+00 RMS = 0.000E+00
Tot # Evts = 10000 Entries = 10000 Undersc = 0 Overs

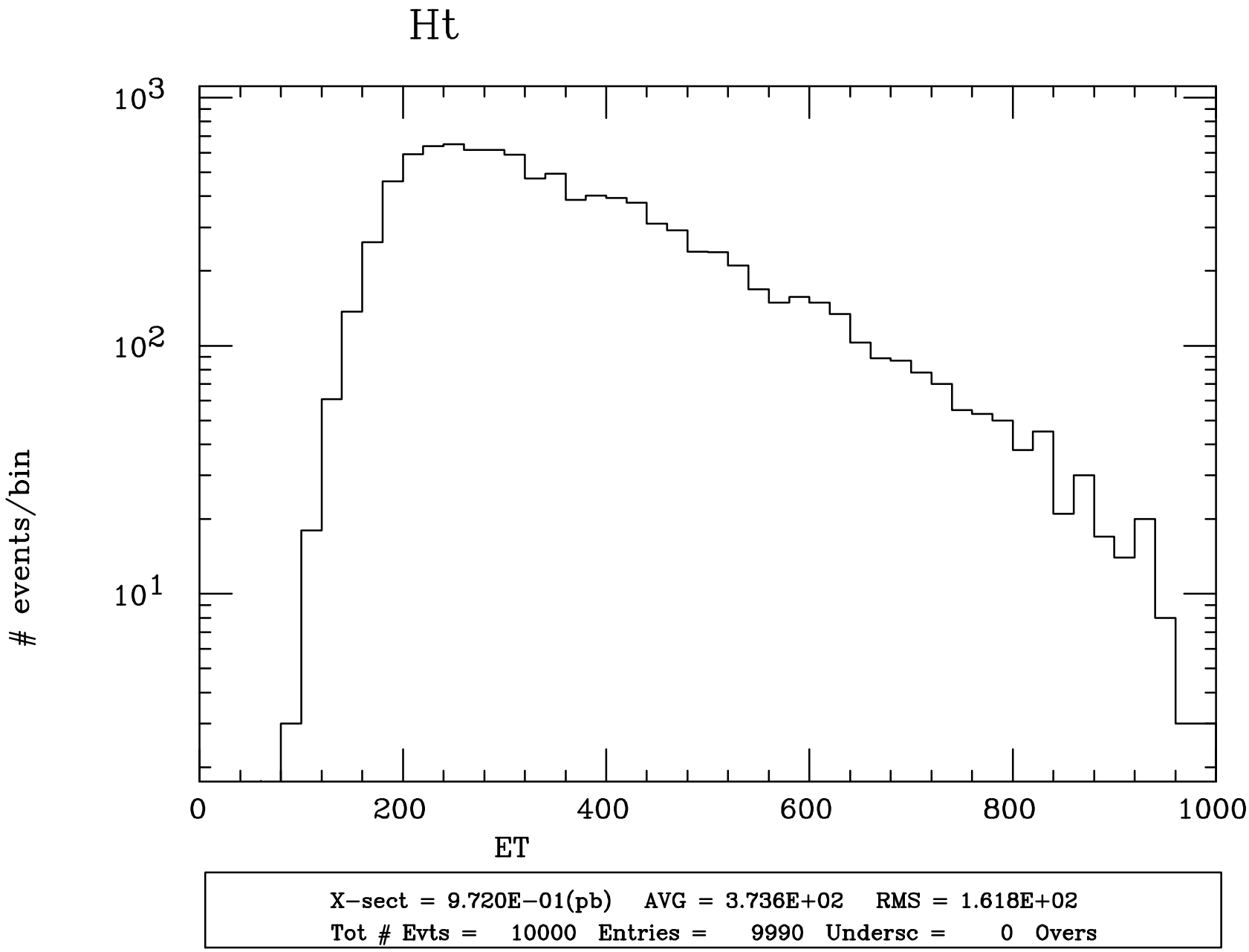

b
20000
10000
9000
8000
7000
6000
5000
events/bin
0
2
4
6
8
10
particles
X-sect = 9.720E-01(pb) AVG = 2.000E+00 RMS = 0.000E+00
Tot # Evts = 10000 Entries = 10000 Undersc = 0 Overs

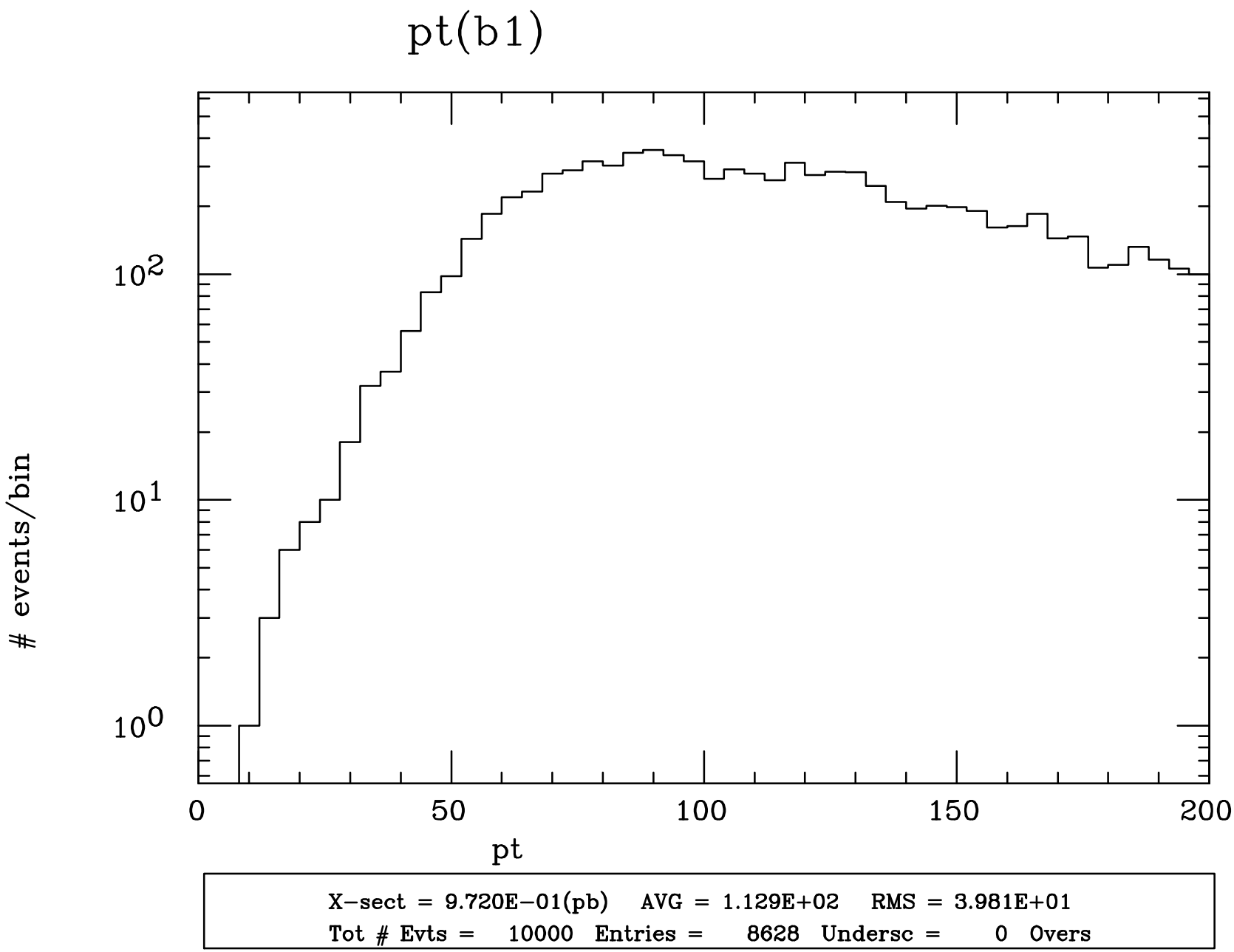

mu+
5010
5000
4990
events/bin
0
2
4
6
8
10
particles
X-sect = 9.720E-01(pb) AVG = 5.015E-01 RMS = 5.000E-01
Tot # Evts = 10000 Entries = 10000 Undersc = 0 Overs

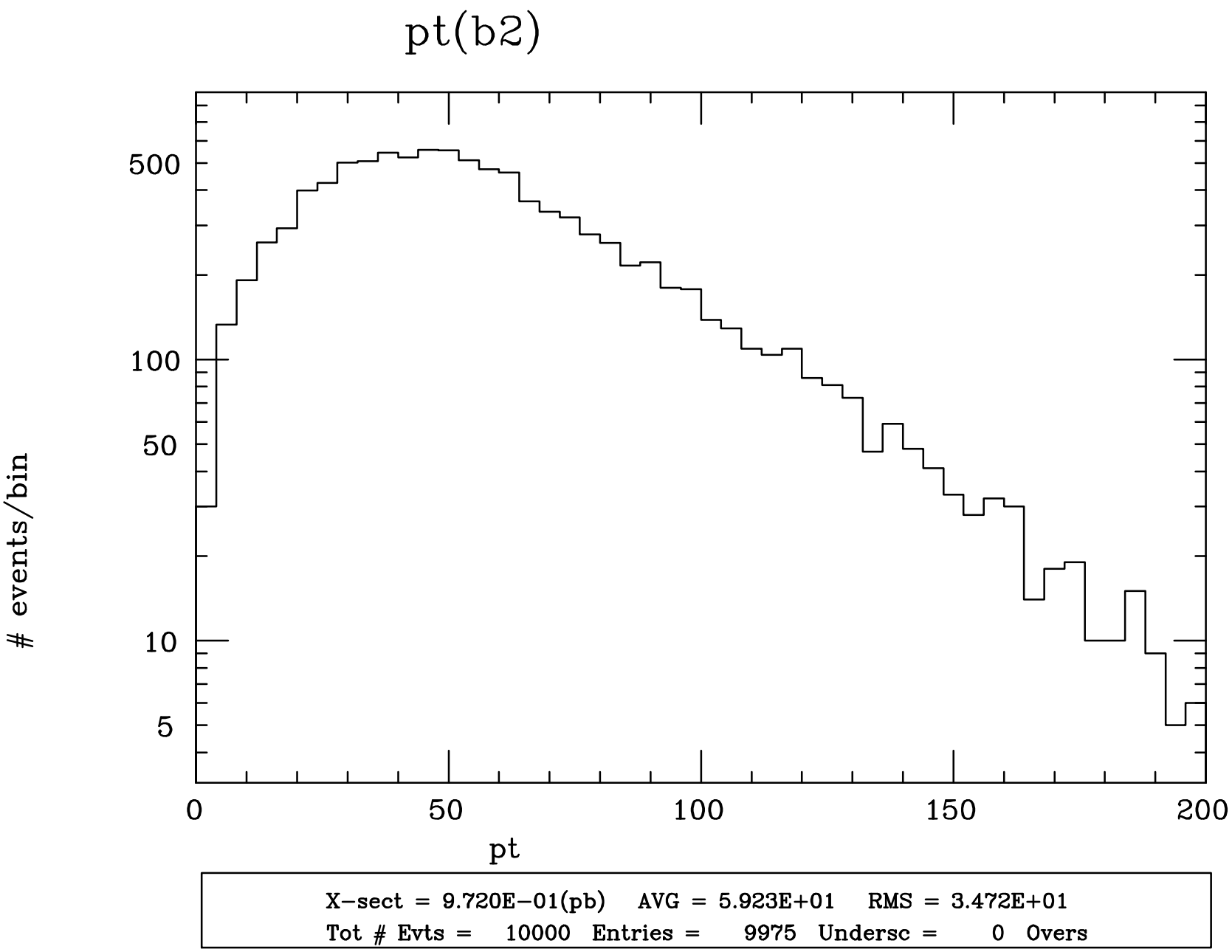

mu-
5010
5000
4990
events/bin
0
2
4
6
8
10
particles
X-sect = 9.720E-01(pb) AVG = 5.015E-01 RMS = 5.000E-01
Tot # Evts = 10000 Entries = 10000 Undersc = 0 Overs

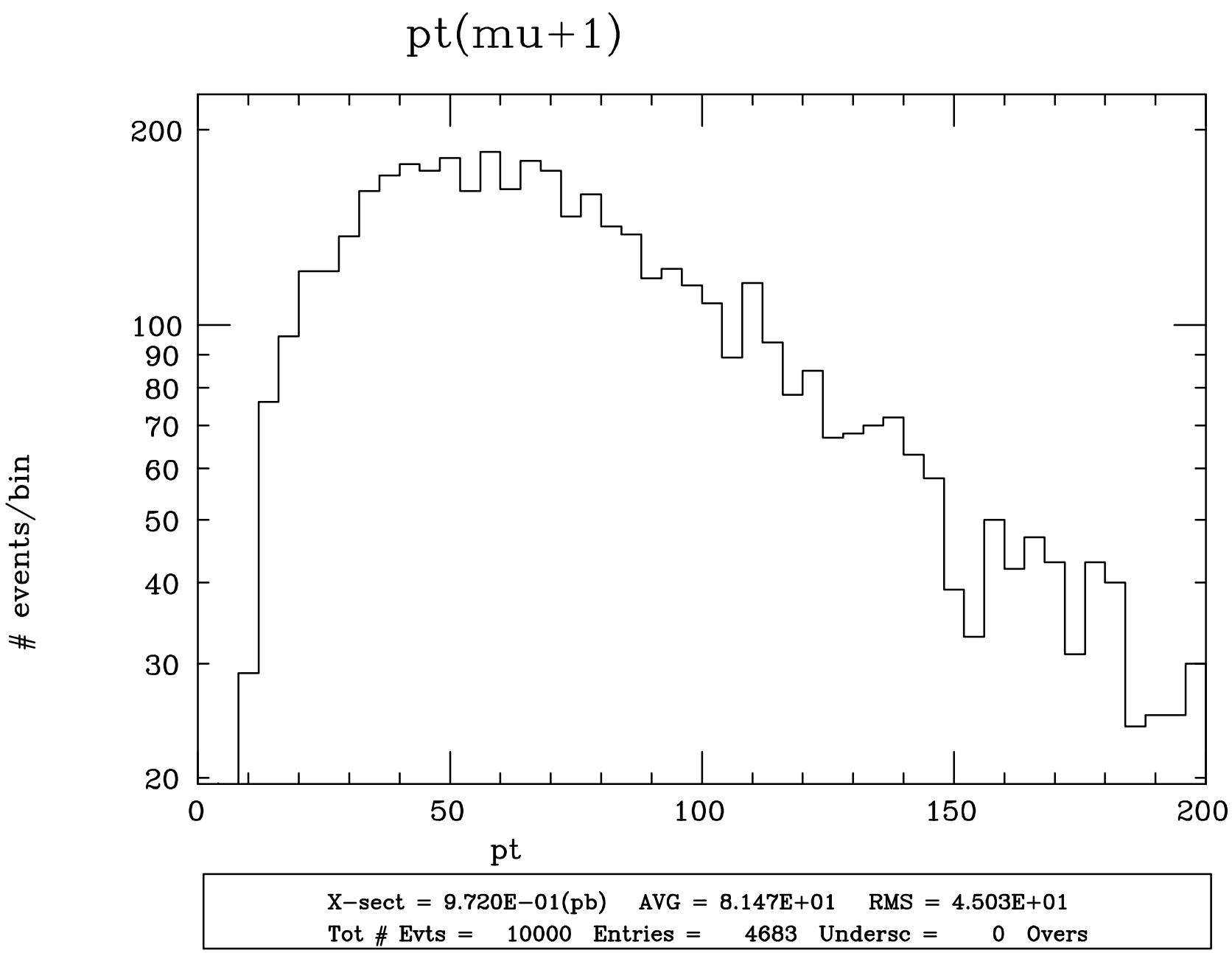

e+
5010
5000
4990
events/bin
0
2
4
6
8
10
particles
X-sect = 9.720E-01(pb) AVG = 4.985E-01 RMS = 5.000E-01
Tot # Evts = 10000 Entries = 10000 Undersc = 0 Overs

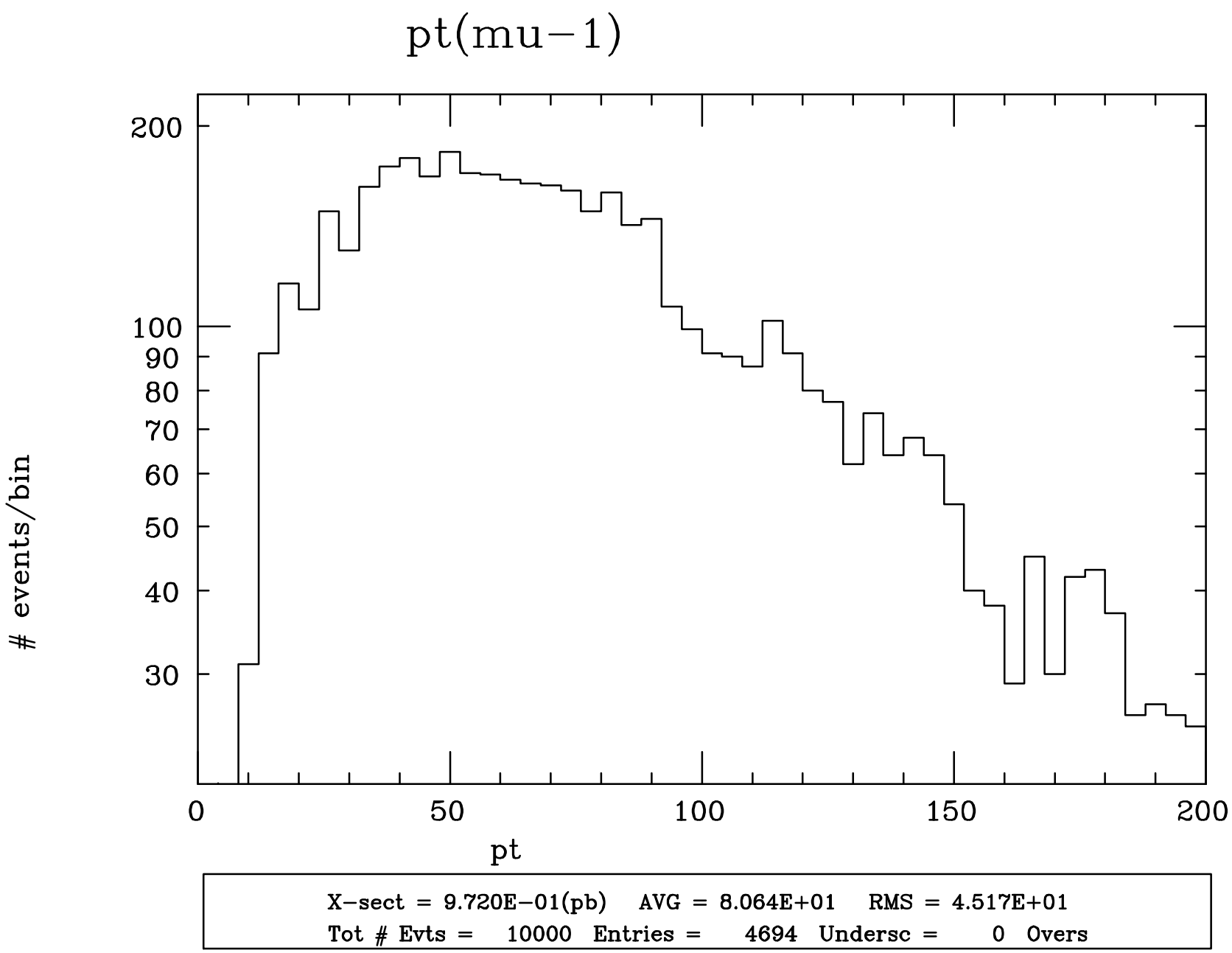

e−
5010
5000
4990
events/bin
0
2
4
6
8
10
particles
X−sect = 9.720E−01(pb) AVG = 4.985E−01 RMS = 5.000E−01
Tot # Evts = 10000 Entries = 10000 Undersc = 0 Overs

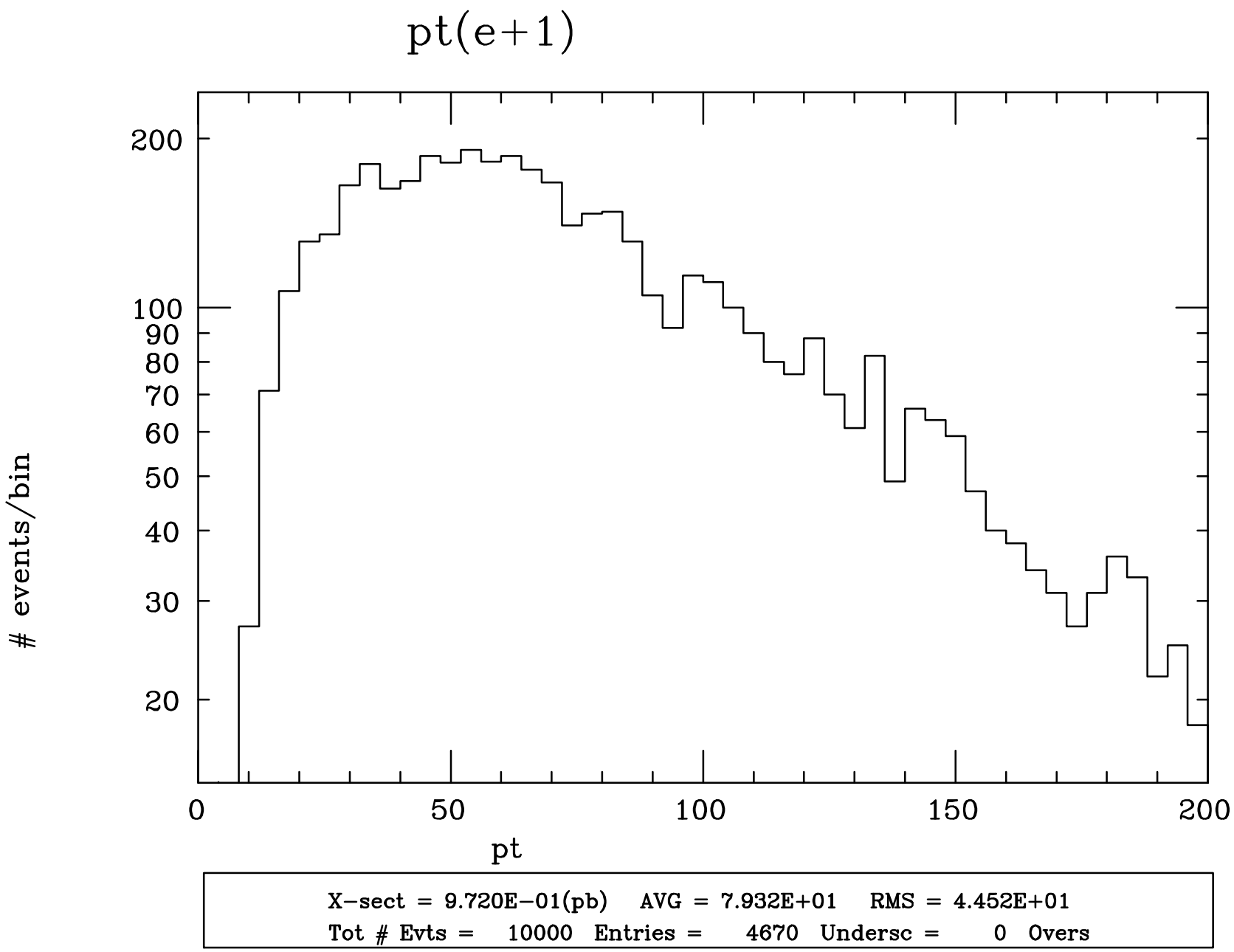

Ht
10^3
10^2
10^1
events/bin
0
200
400
600
800
1000
ET
X-sect = 9.720E-01(pb) AVG = 3.736E+02 RMS = 1.618E+02
Tot # Evts = 10000 Entries = 9990 Undersc = 0 Overs

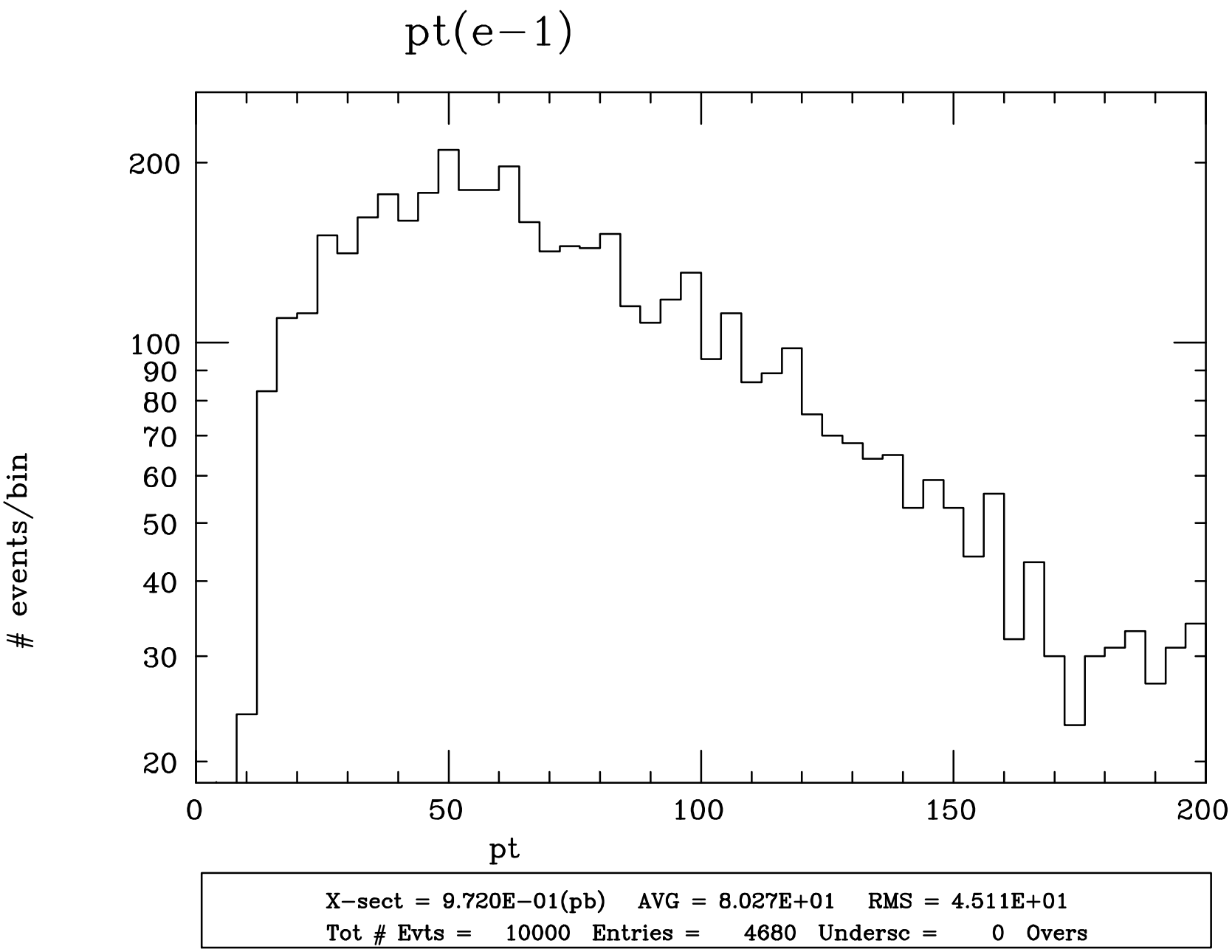

pt(b1)
# events/bin
10^2
10^1
10^0
0
50
100
150
200
pt
X-sect = 9.720E-01(pb) AVG = 1.129E+02 RMS = 3.981E+01
Tot # Evts = 10000 Entries = 8628 Undersc = 0 Overs

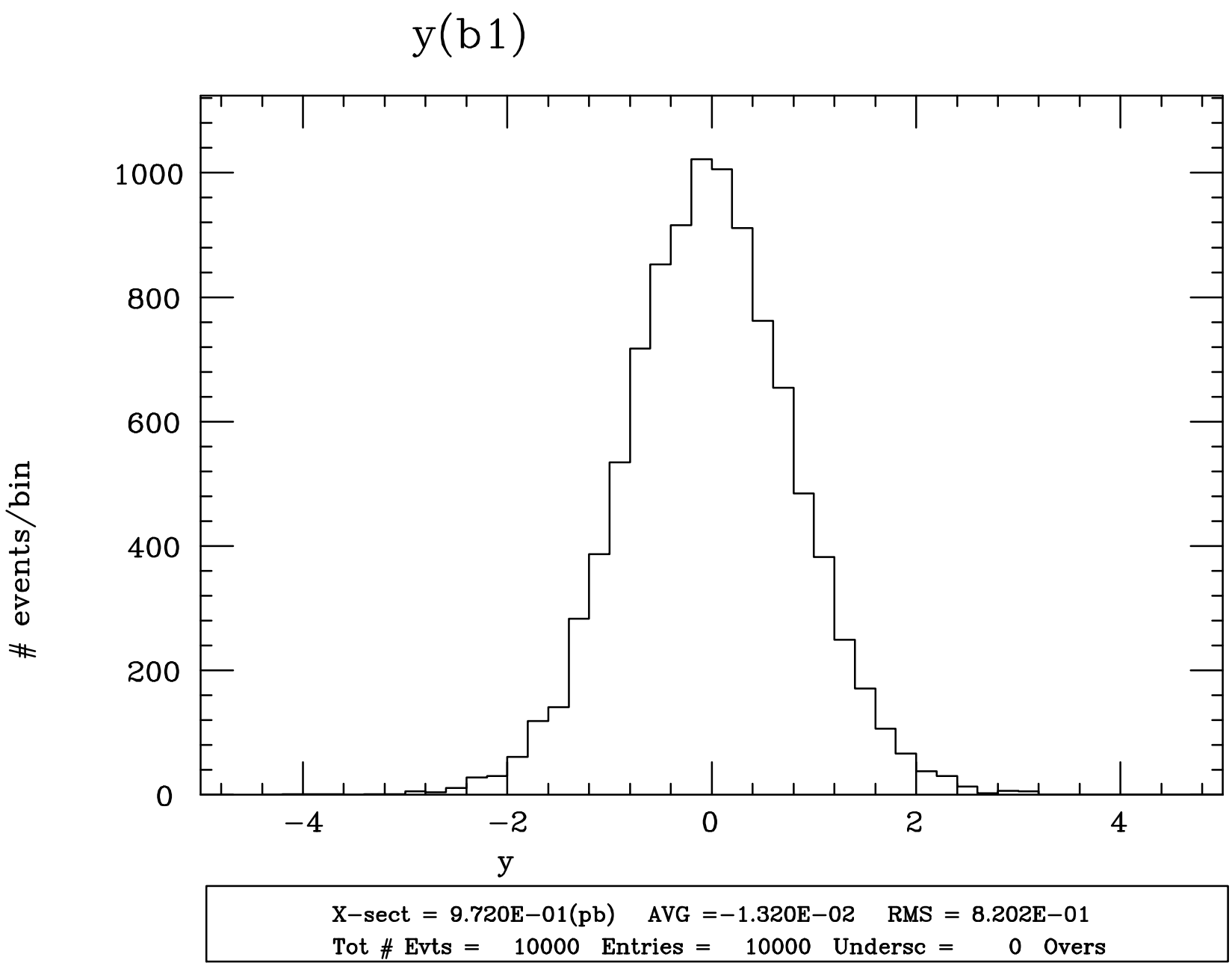

pt(b2)
500
100
50
10
5
events/bin
0
50
100
150
200
pt
X-sect = 9.720E-01(pb) AVG = 5.923E+01 RMS = 3.472E+01
Tot # Evts = 10000 Entries = 9975 Undersc = 0 Overs

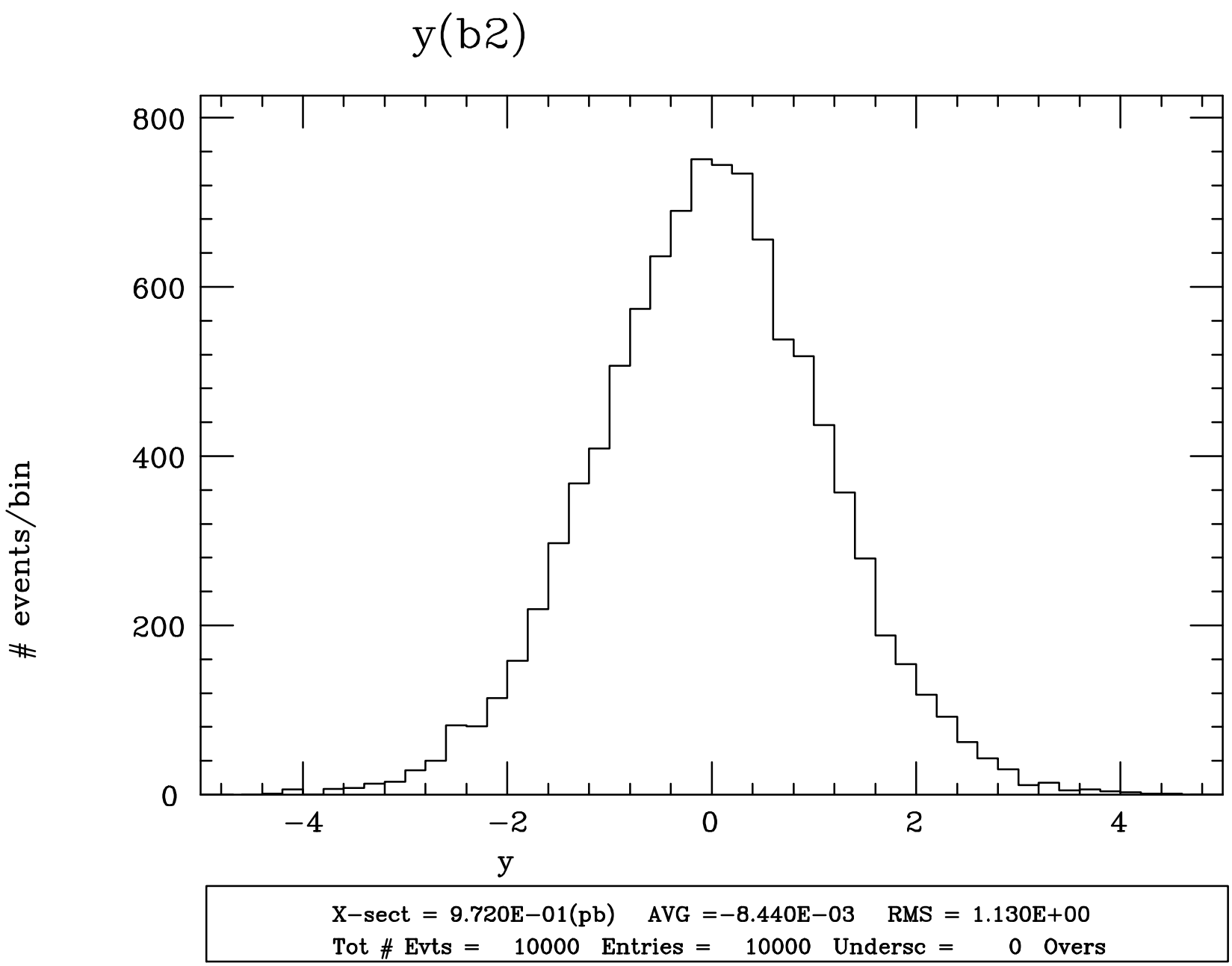

pt(mu+1)
# events/bin
200
100
90
80
70
60
50
40
30
20
0
50
100
150
200
pt
X-sect = 9.720E-01(pb) AVG = 8.147E+01 RMS = 4.503E+01
Tot # Evts = 10000 Entries = 4683 Undersc = 0 Overs

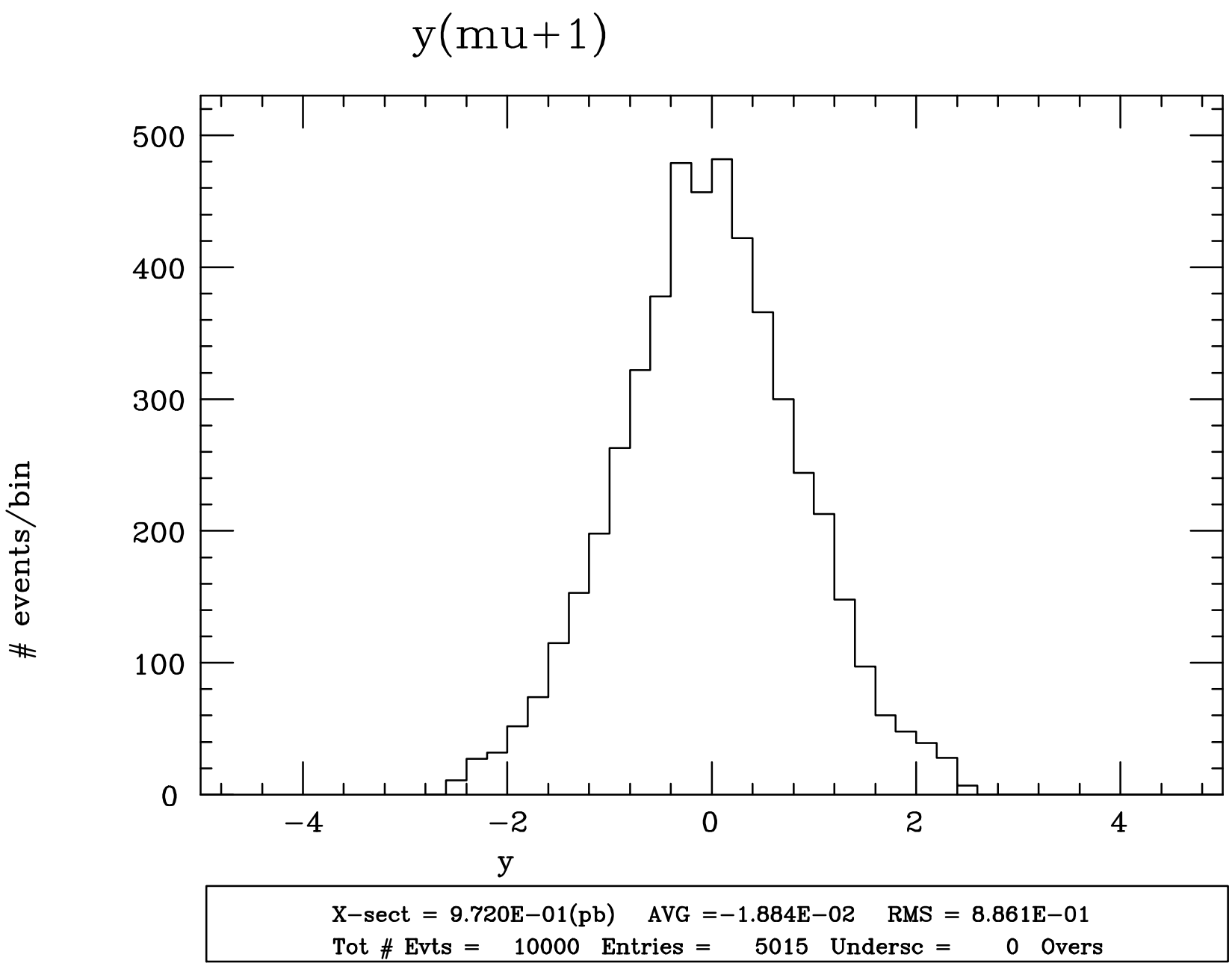

pt(mu−1)
# events/bin
200
100
90
80
70
60
50
40
30
0
50
100
150
200
pt
X−sect = 9.720E−01(pb) AVG = 8.064E+01 RMS = 4.517E+01
Tot # Evts = 10000 Entries = 4694 Undersc = 0 Overs

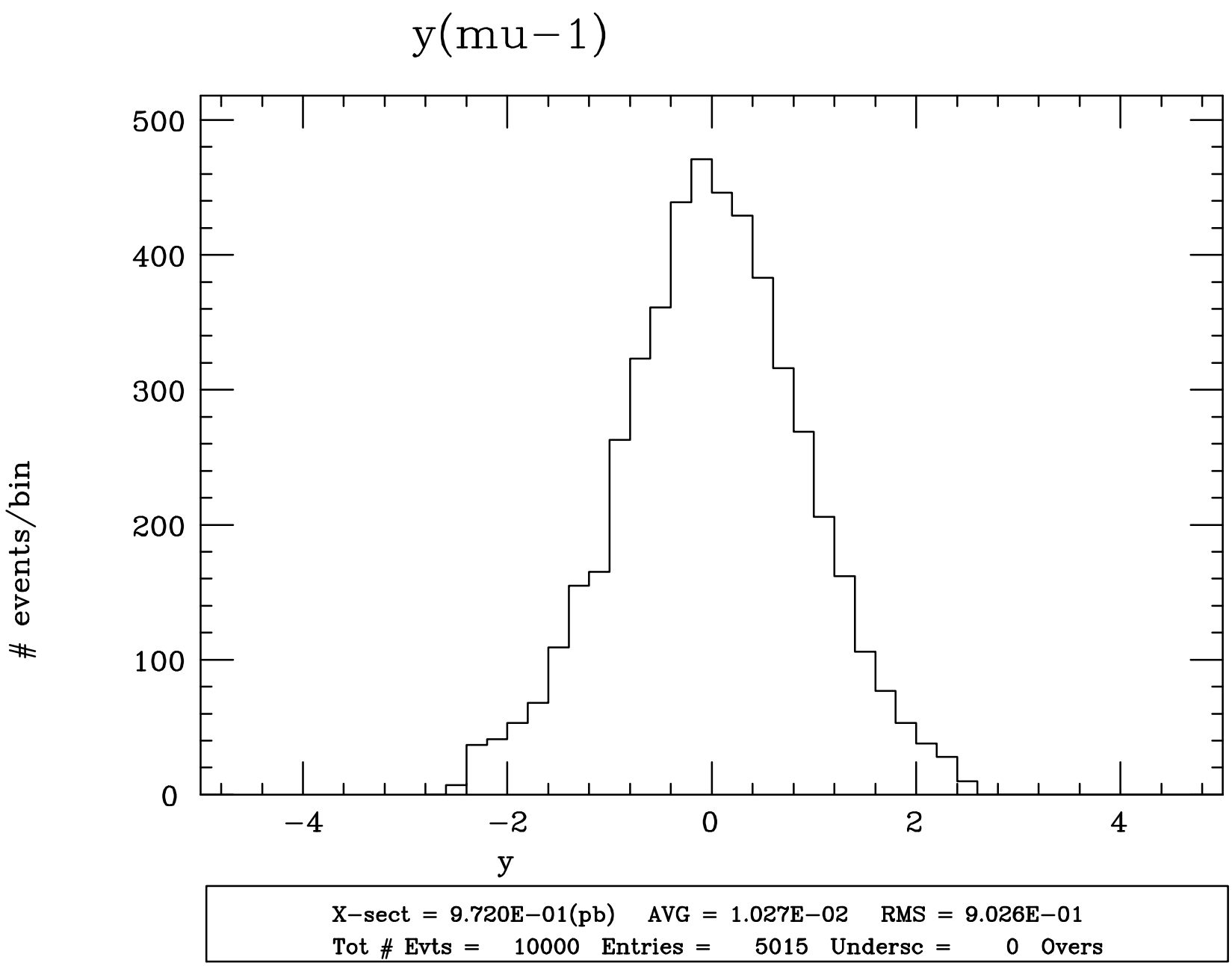

pt(e+1)
# events/bin
200
100
90
80
70
60
50
40
30
20
0
50
100
150
200
pt
X-sect = 9.720E-01(pb) AVG = 7.932E+01 RMS = 4.452E+01
Tot # Evts = 10000 Entries = 4670 Undersc = 0 Overs

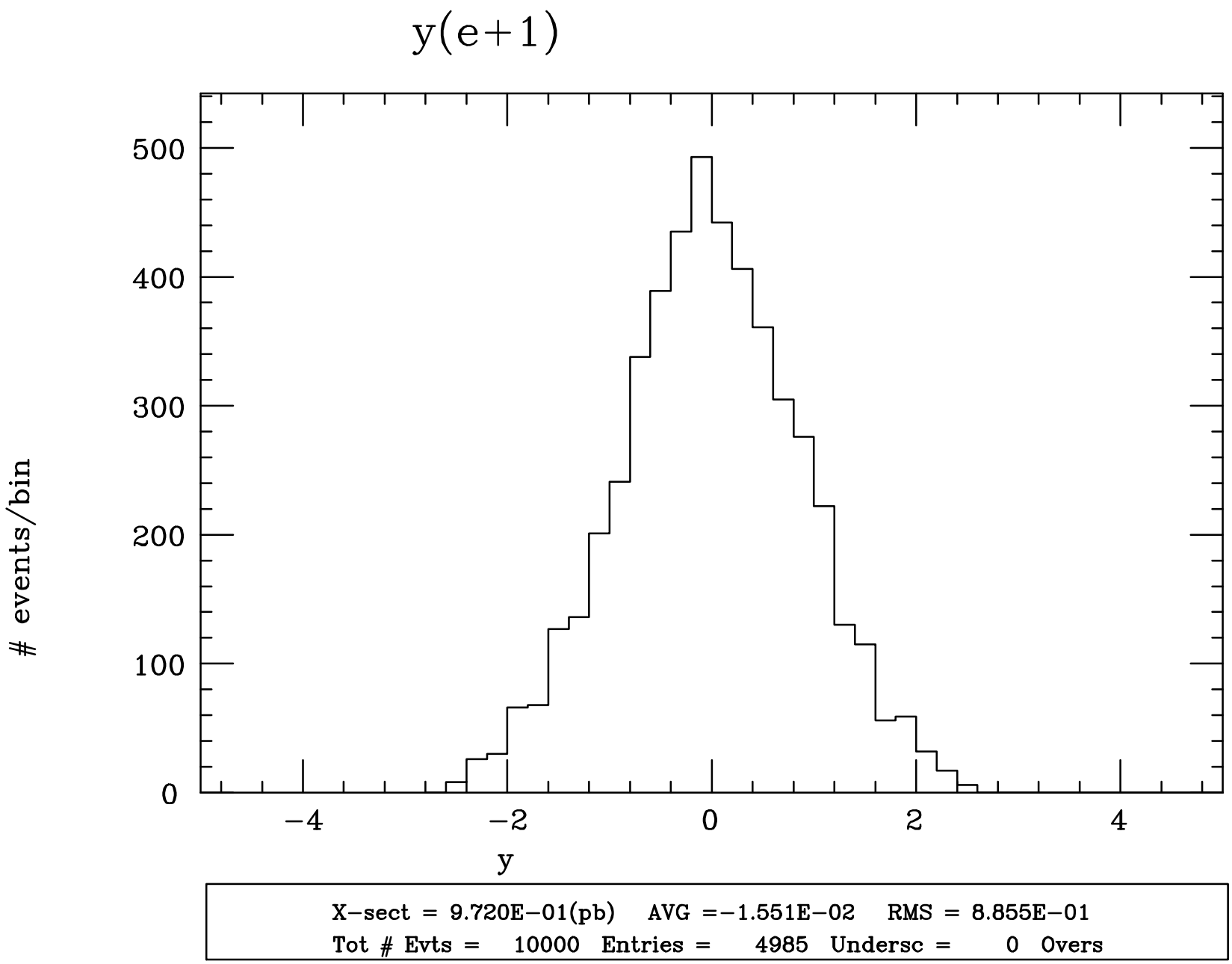

pt(e−1)
# events/bin
200
100
90
80
70
60
50
40
30
20
0
50
100
150
200
pt
X−sect = 9.720E−01(pb) AVG = 8.027E+01 RMS = 4.511E+01
Tot # Evts = 10000 Entries = 4680 Undersc = 0 Overs

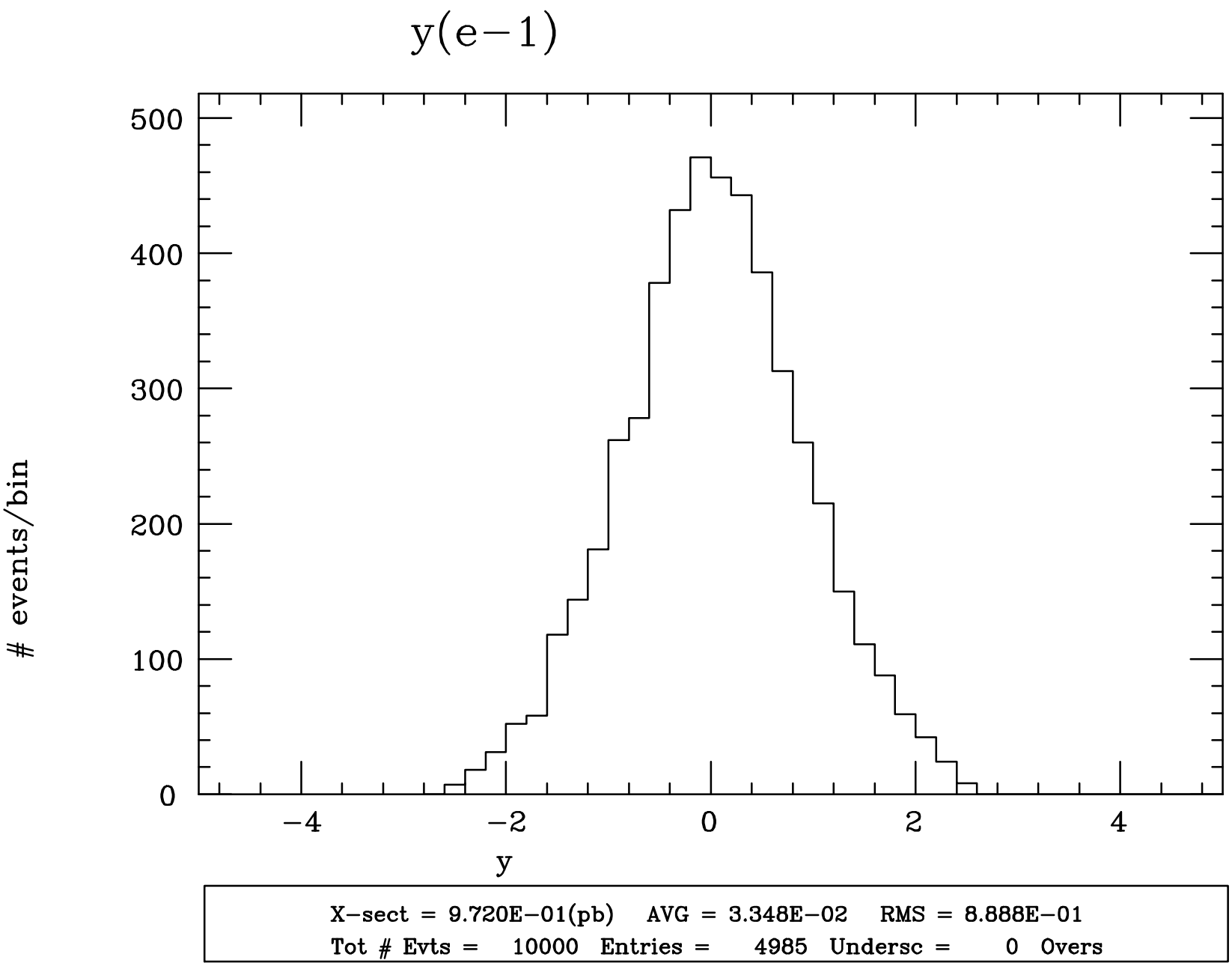

y(b1)
1000
800
600
400
200
0
events/bin
−4
−2
0
2
4
y
X−sect = 9.720E−01(pb) AVG =−1.320E−02 RMS = 8.202E−01
Tot # Evts = 10000 Entries = 10000 Undersc = 0 Overs

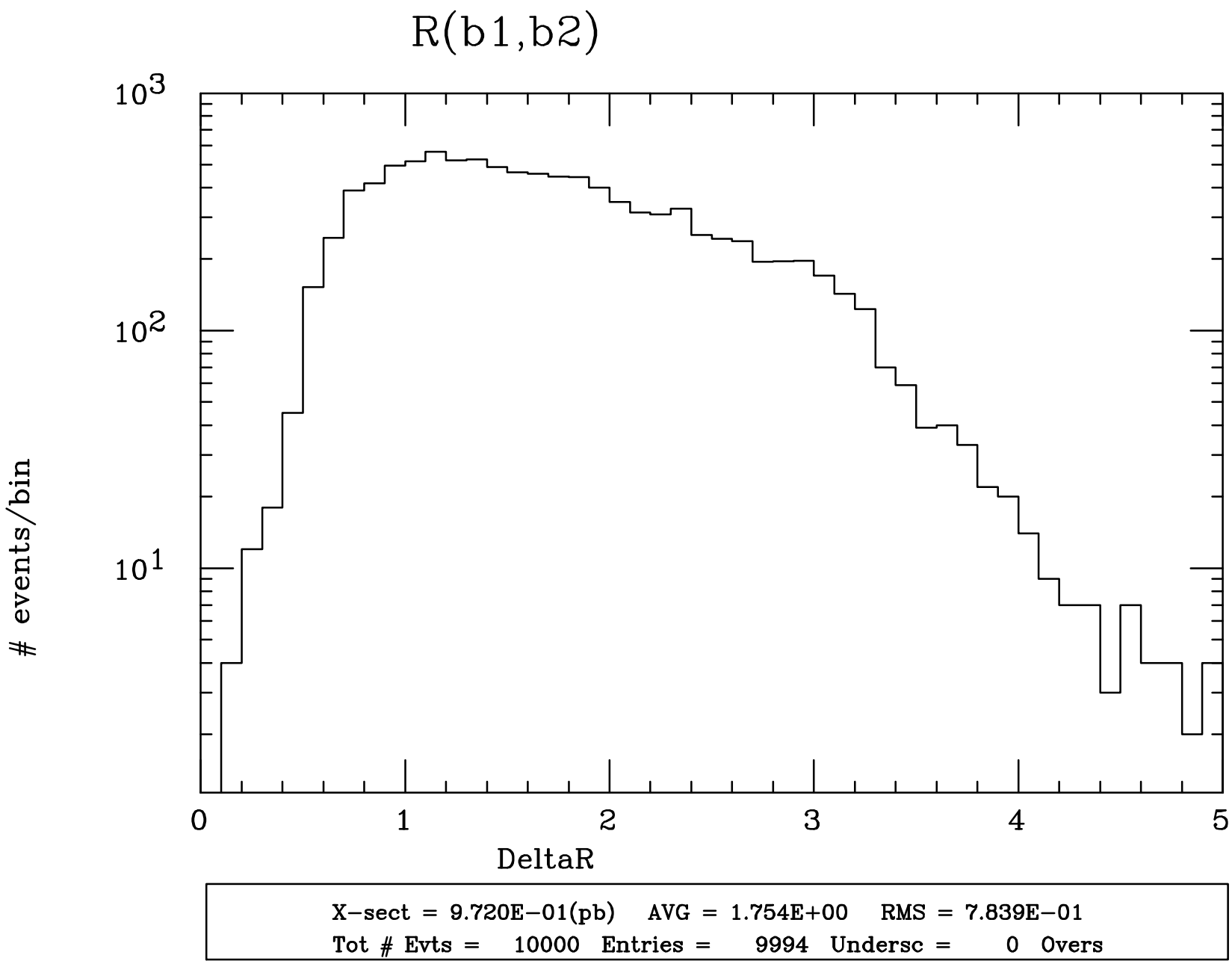

y(b2)
800
600
400
200
0
events/bin
−4
−2
0
2
4
y
X−sect = 9.720E−01(pb) AVG =−8.440E−03 RMS = 1.130E+00
Tot # Evts = 10000 Entries = 10000 Undersc = 0 Overs

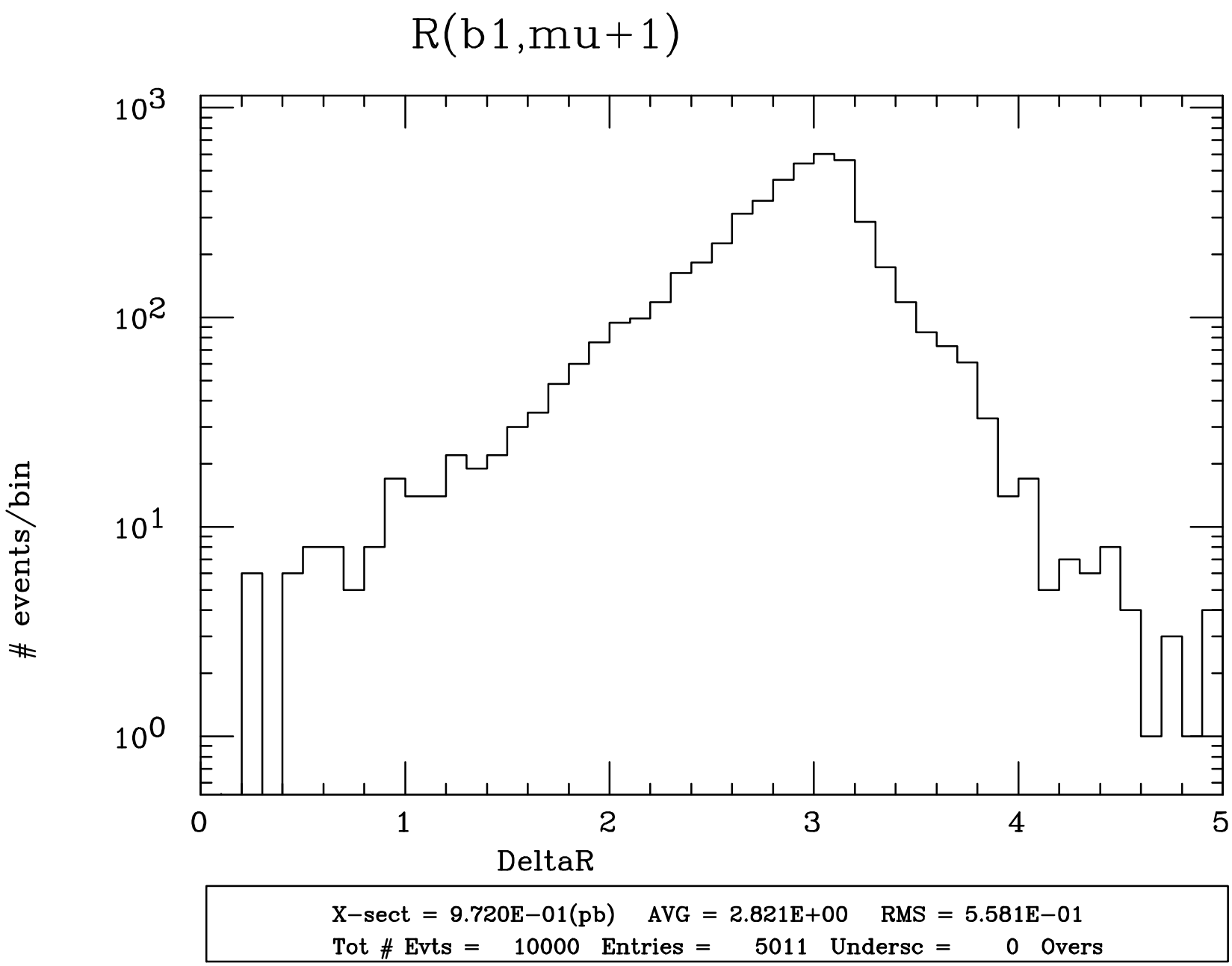

y(mu+1)
# events/bin
500
400
300
200
100
0
−4
−2
0
2
4
y
X−sect = 9.720E−01(pb) AVG =−1.884E−02 RMS = 8.861E−01
Tot # Evts = 10000 Entries = 5015 Undersc = 0 Overs

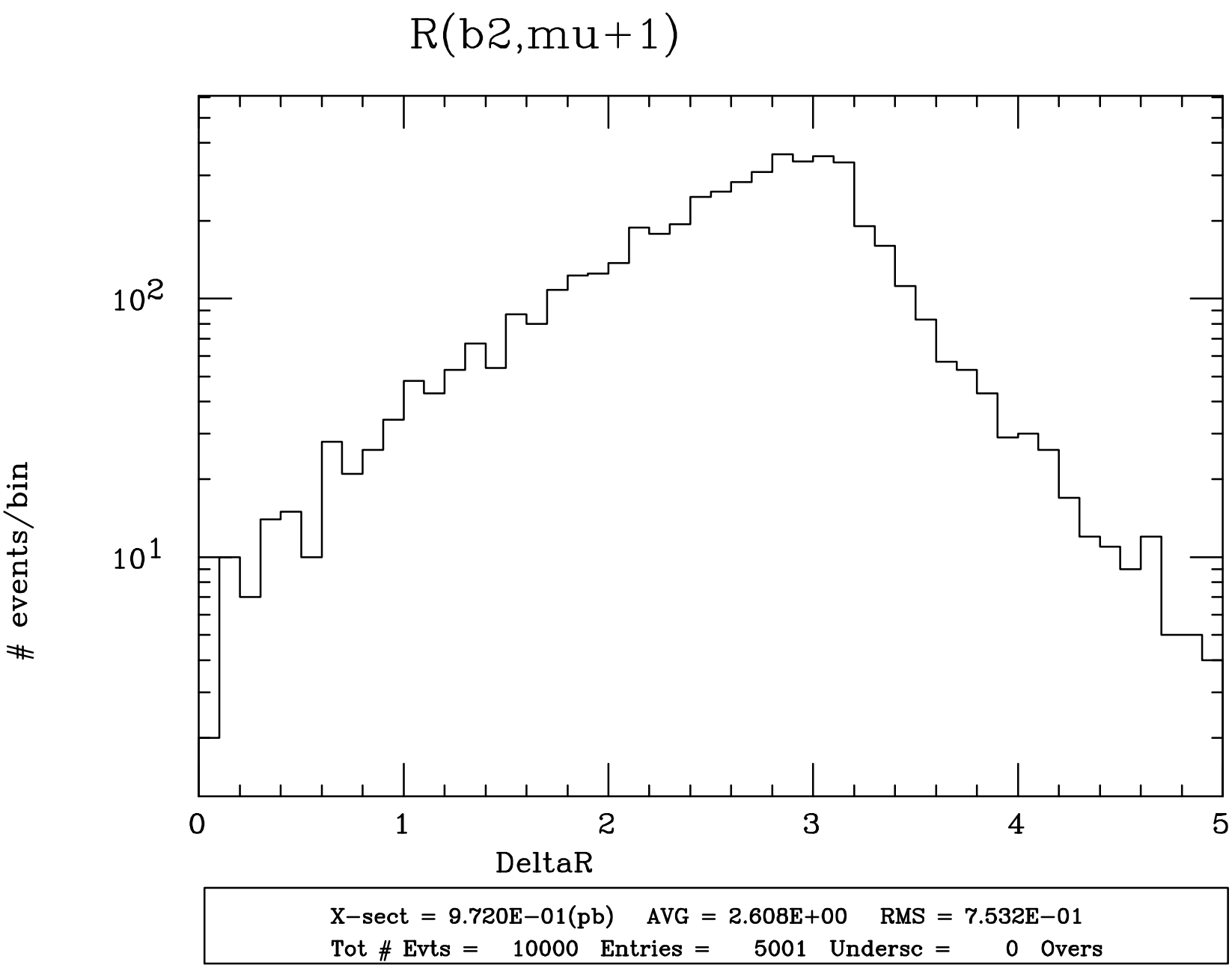

y(mu−1)
# events/bin
500
400
300
200
100
0
−4
−2
0
2
4
y
X−sect = 9.720E−01(pb) AVG = 1.027E−02 RMS = 9.026E−01
Tot # Evts = 10000 Entries = 5015 Undersc = 0 Overs

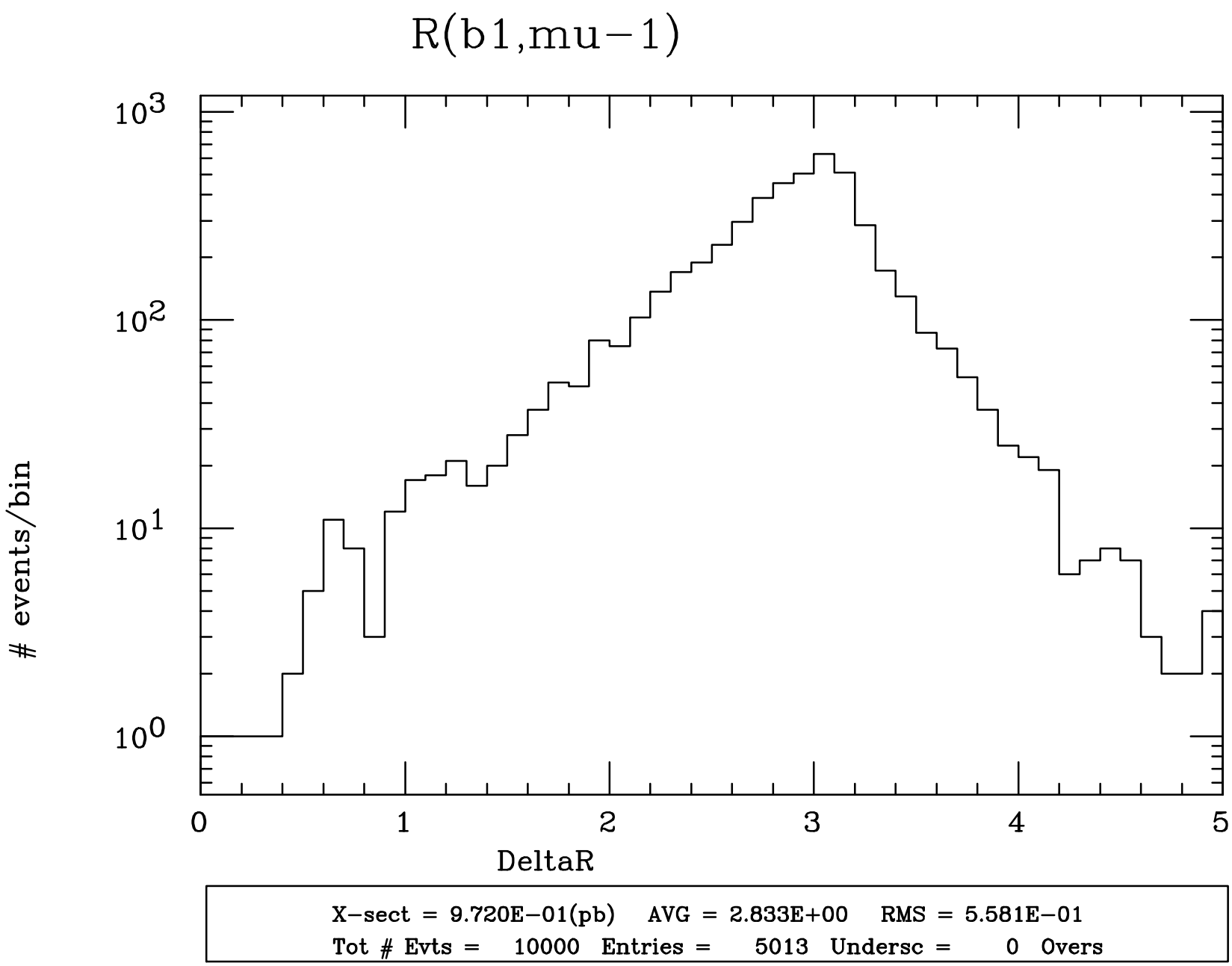

y(e+1)
# events/bin
500
400
300
200
100
0
−4
−2
0
2
4
y
X−sect = 9.720E−01(pb) AVG =−1.551E−02 RMS = 8.855E−01
Tot # Evts = 10000 Entries = 4985 Undersc = 0 Overs

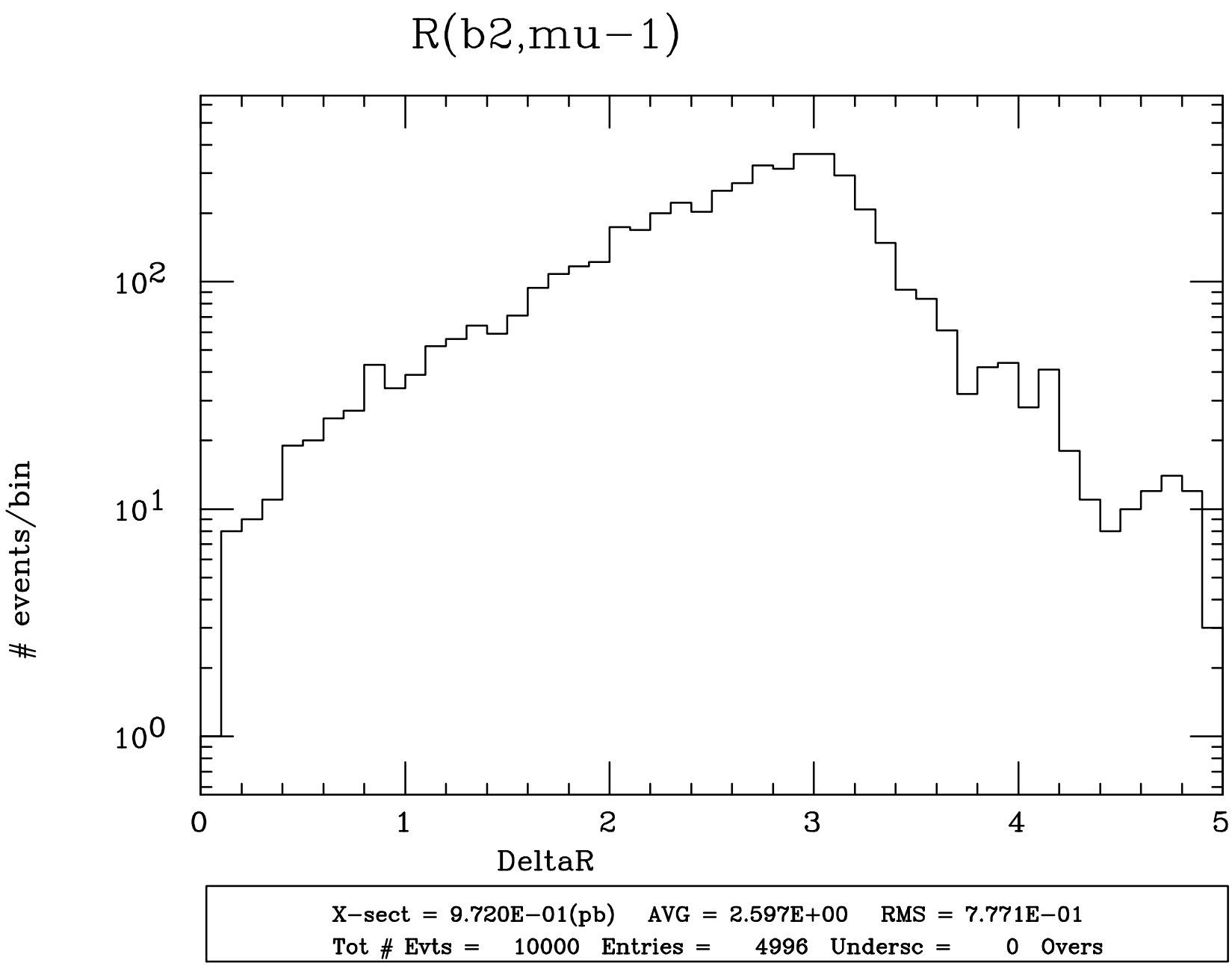

y(e−1)
# events/bin
500
400
300
200
100
0
−4
−2
0
2
4
y
X−sect = 9.720E−01(pb) AVG = 3.348E−02 RMS = 8.888E−01
Tot # Evts = 10000 Entries = 4985 Undersc = 0 Overs

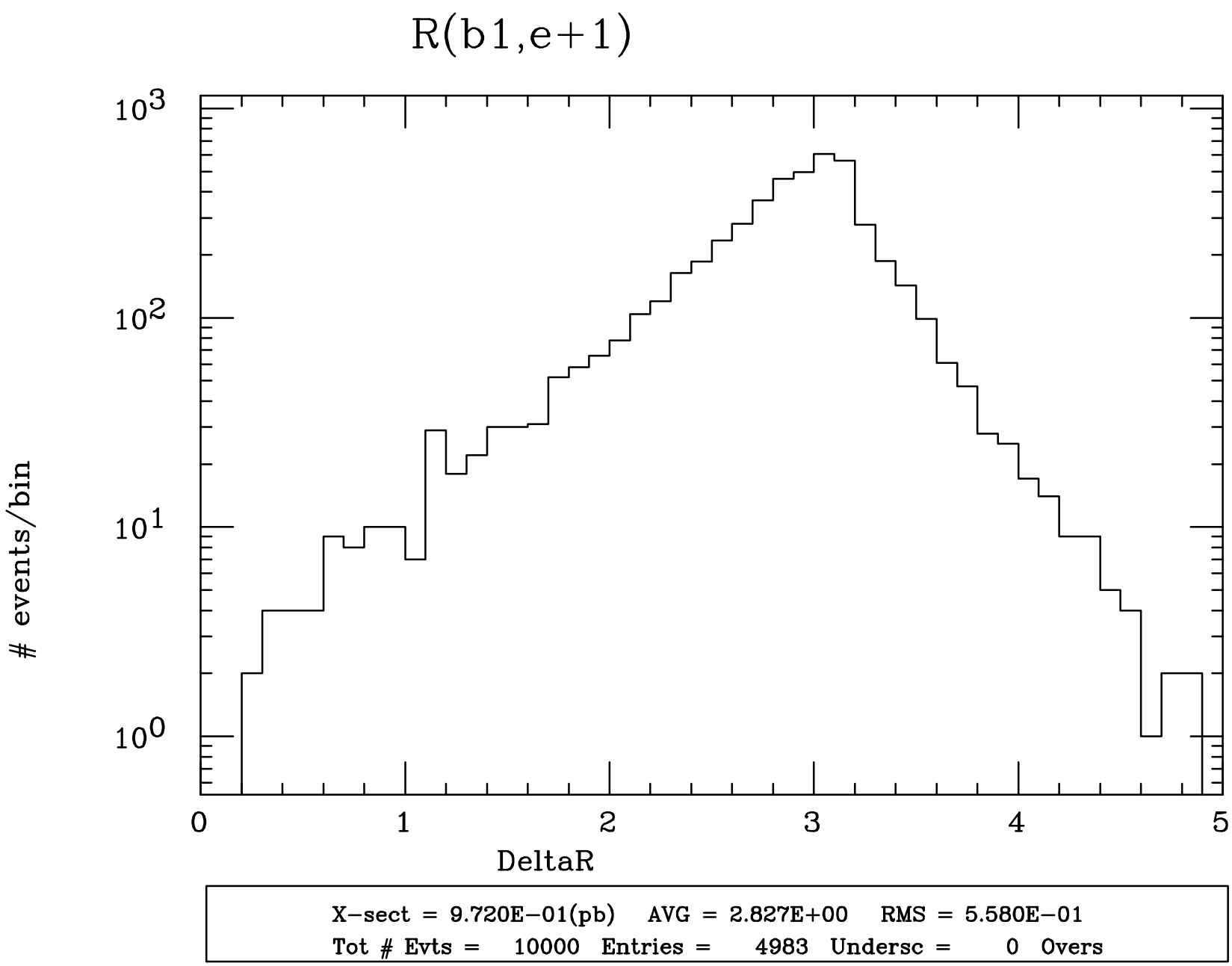

R(b1,b2)
10^3
10^2
10^1
events/bin
0
1
2
3
4
5
DeltaR
X-sect = 9.720E-01(pb) AVG = 1.754E+00 RMS = 7.839E-01
Tot # Evts = 10000 Entries = 9994 Undersc = 0 Overs

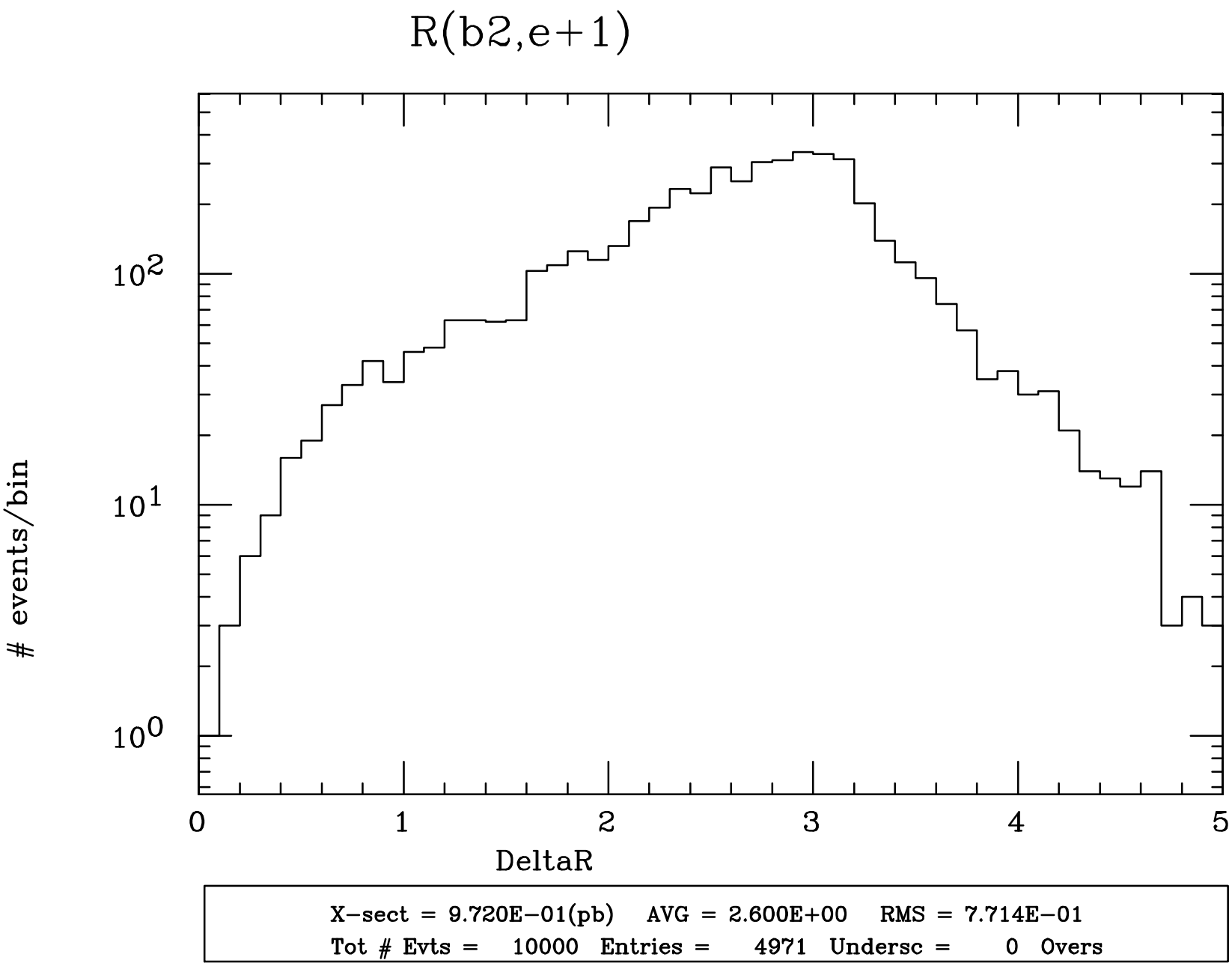

R(b1,mu+1)
10^3
10^2
10^1
10^0
events/bin
0
1
2
3
4
5
DeltaR
X-sect = 9.720E-01(pb) AVG = 2.821E+00 RMS = 5.581E-01
Tot # Evts = 10000 Entries = 5011 Undersc = 0 Overs

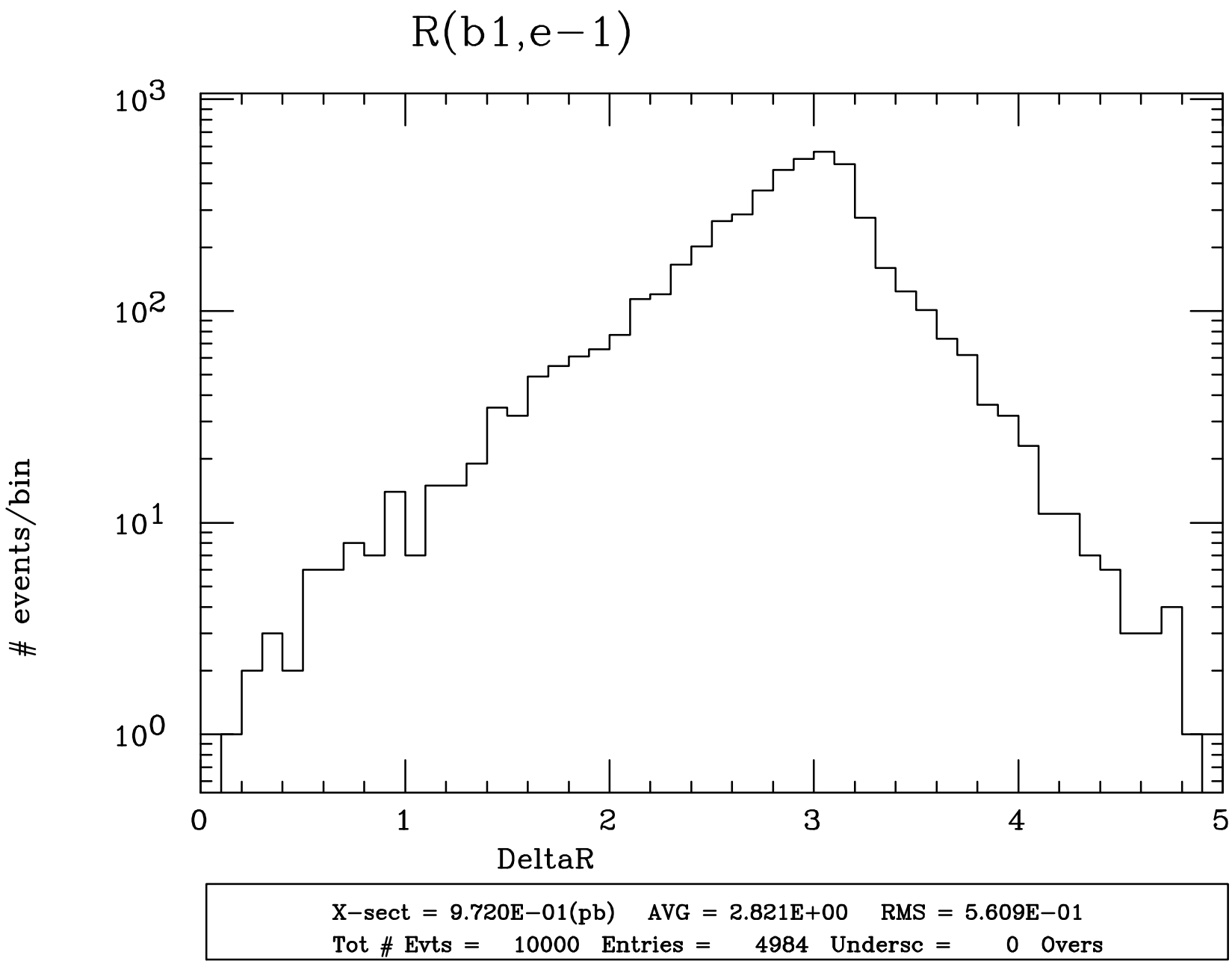

R(b2,mu+1)
# events/bin
10^2
10^1
0
1
2
3
4
5
DeltaR
X-sect = 9.720E-01(pb) AVG = 2.608E+00 RMS = 7.532E-01
Tot # Evts = 10000 Entries = 5001 Undersc = 0 Overs

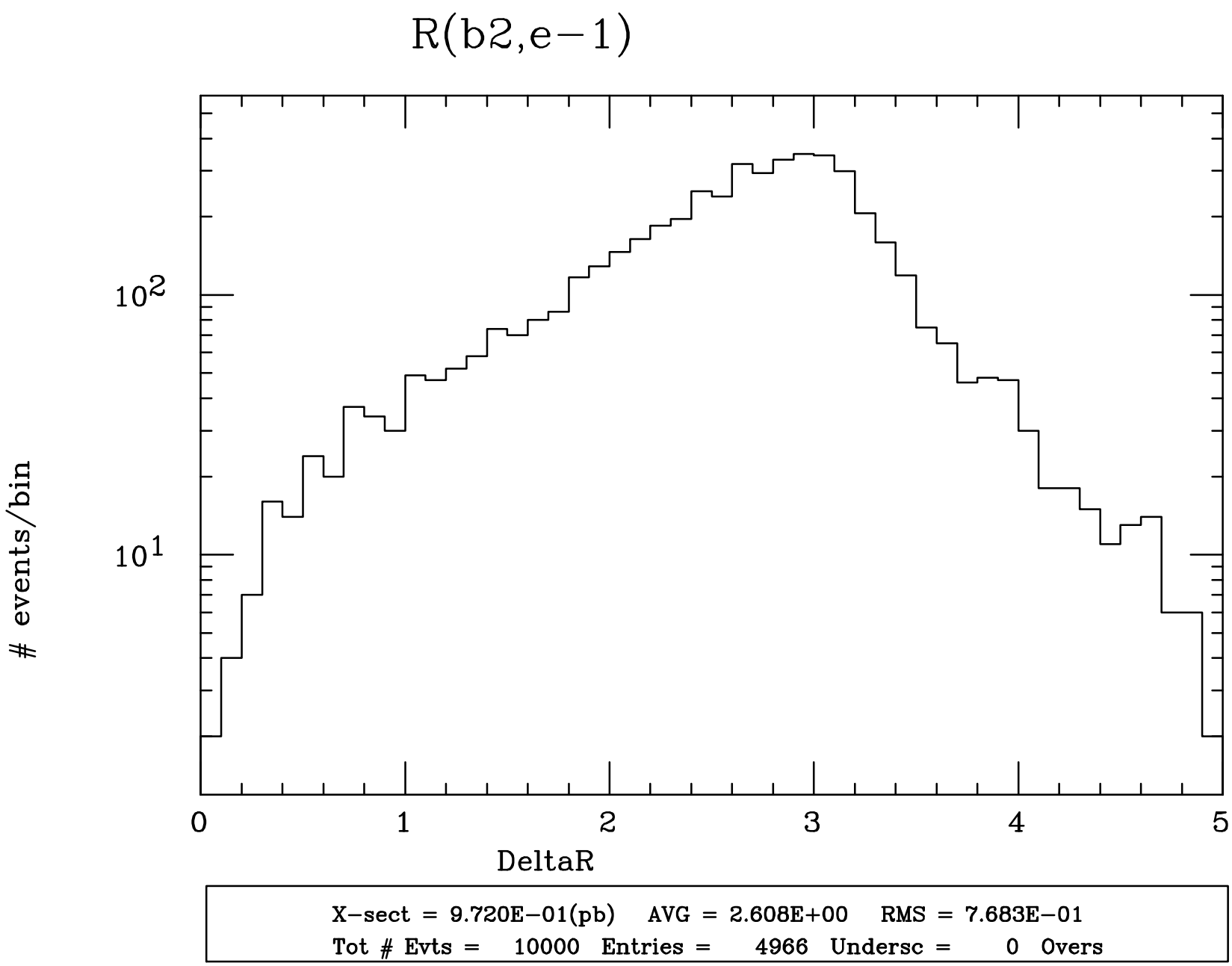

R(b1,mu−1)
# events/bin
DeltaR
X−sect = 9.720E−01(pb) AVG = 2.833E+00 RMS = 5.581E−01
Tot # Evts = 10000 Entries = 5013 Undersc = 0 Overs

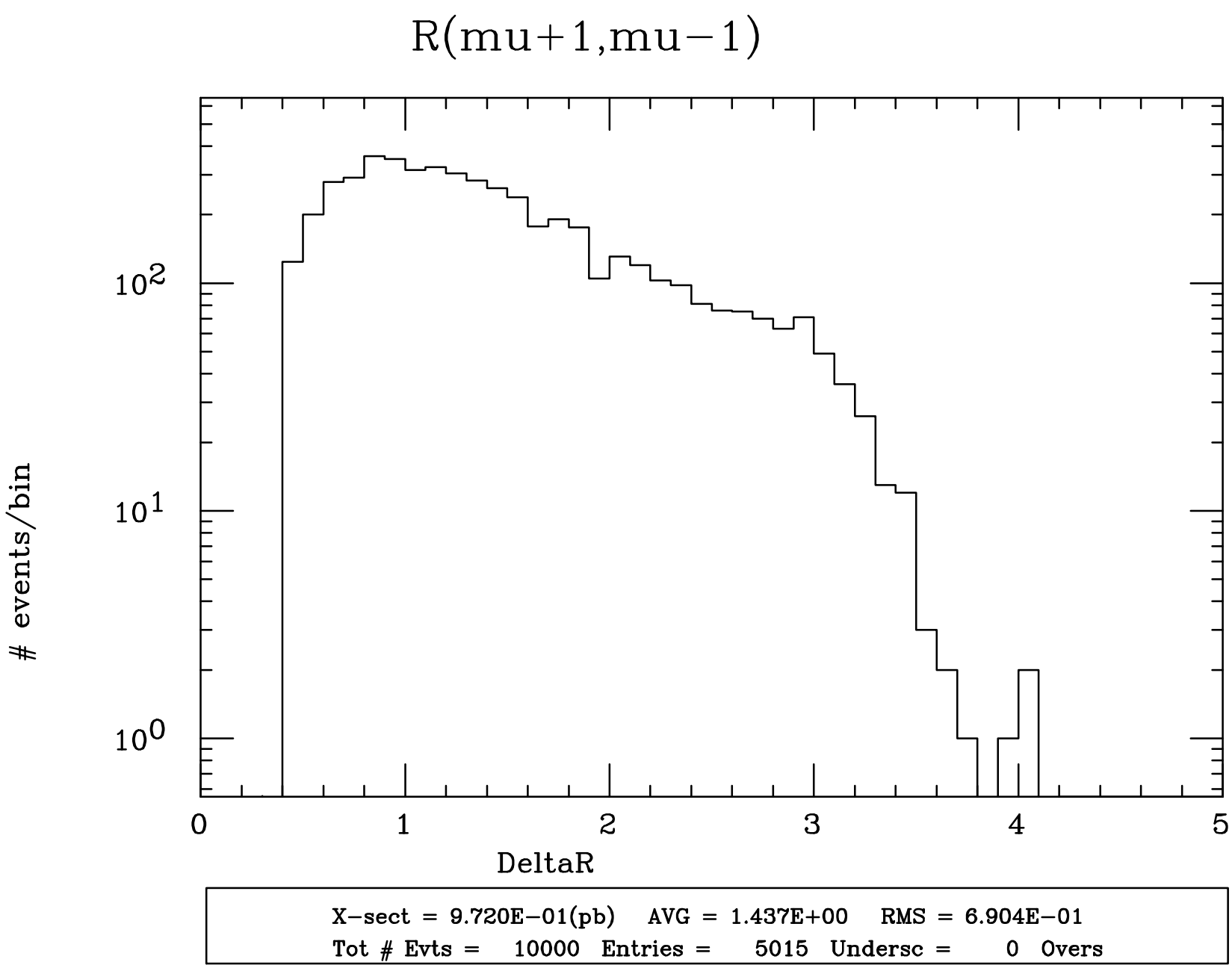

R(b2,mu-1)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X-sect = 9.720E-01(pb) AVG = 2.597E+00 RMS = 7.771E-01
Tot # Evts = 10000 Entries = 4996 Undersc = 0 Overs

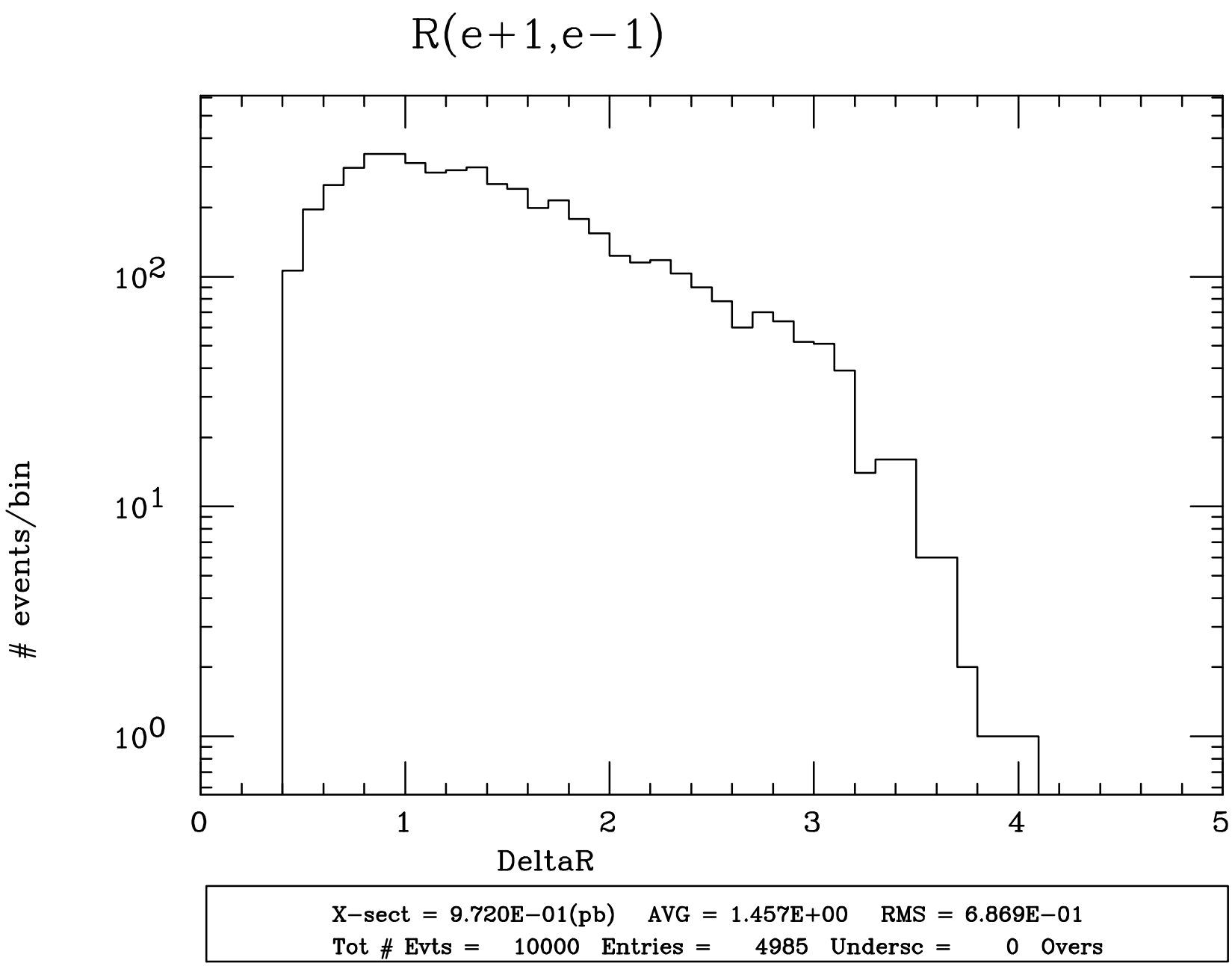

R(b1,e+1)
10^3
10^2
10^1
10^0
events/bin
0
1
2
3
4
5
DeltaR
X-sect = 9.720E-01(pb) AVG = 2.827E+00 RMS = 5.580E-01
Tot # Evts = 10000 Entries = 4983 Undersc = 0 Overs

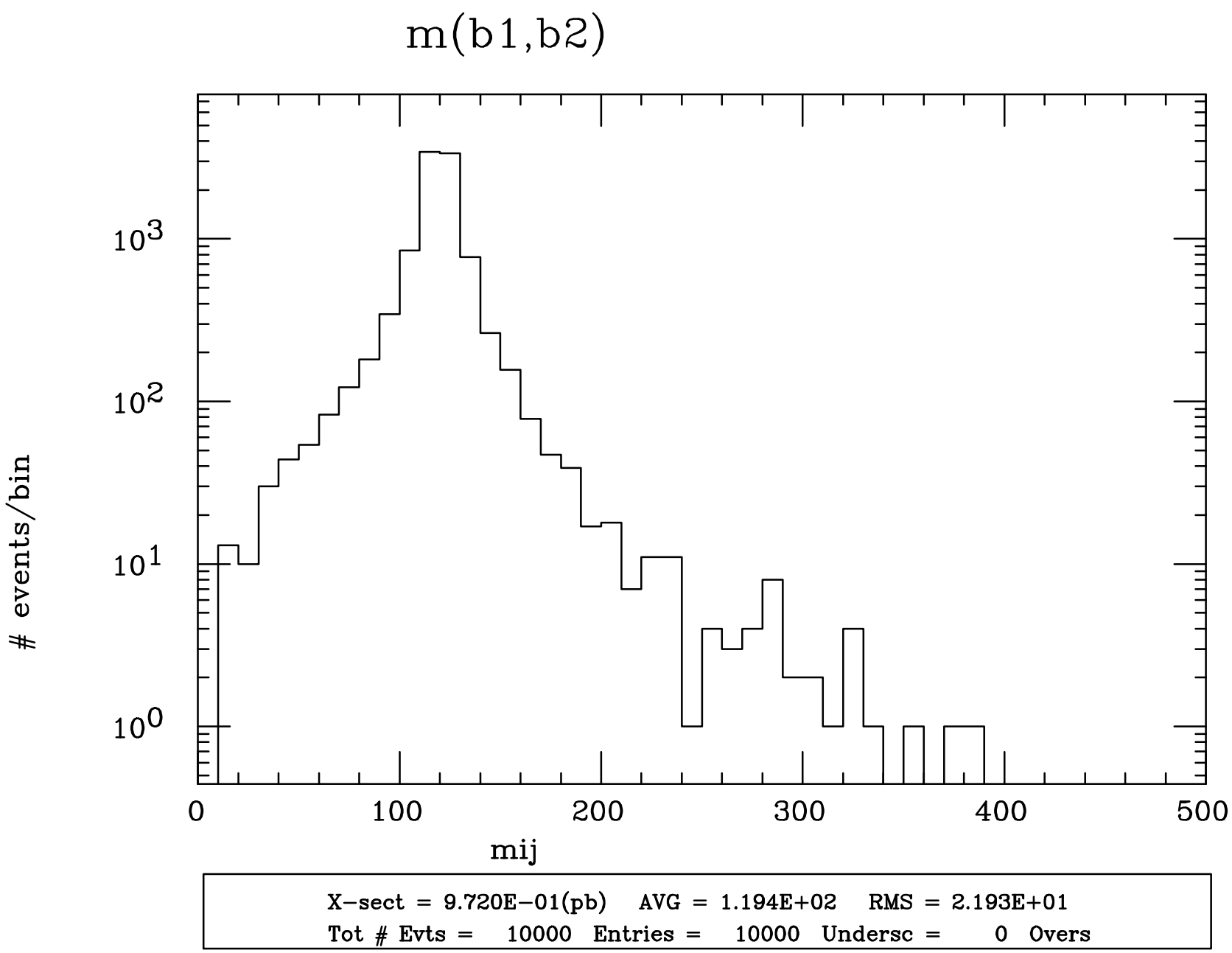

R(b2,e+1)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X-sect = 9.720E-01(pb) AVG = 2.600E+00 RMS = 7.714E-01
Tot # Evts = 10000 Entries = 4971 Undersc = 0 Overs

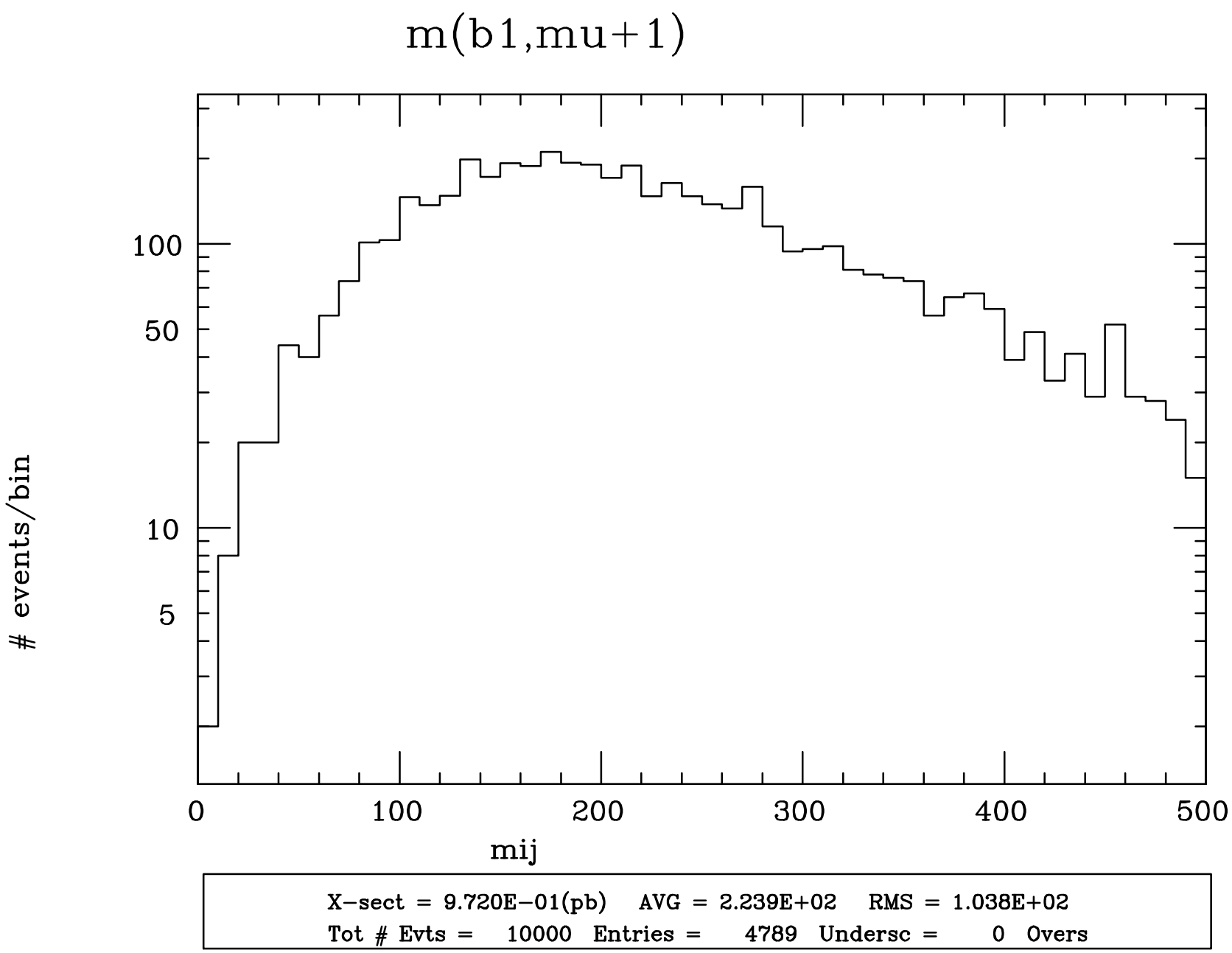

R(b1,e−1)
10^3
10^2
10^1
10^0
events/bin
0
1
2
3
4
5
DeltaR
X−sect = 9.720E−01(pb) AVG = 2.821E+00 RMS = 5.609E−01
Tot # Evts = 10000 Entries = 4984 Undersc = 0 Overs

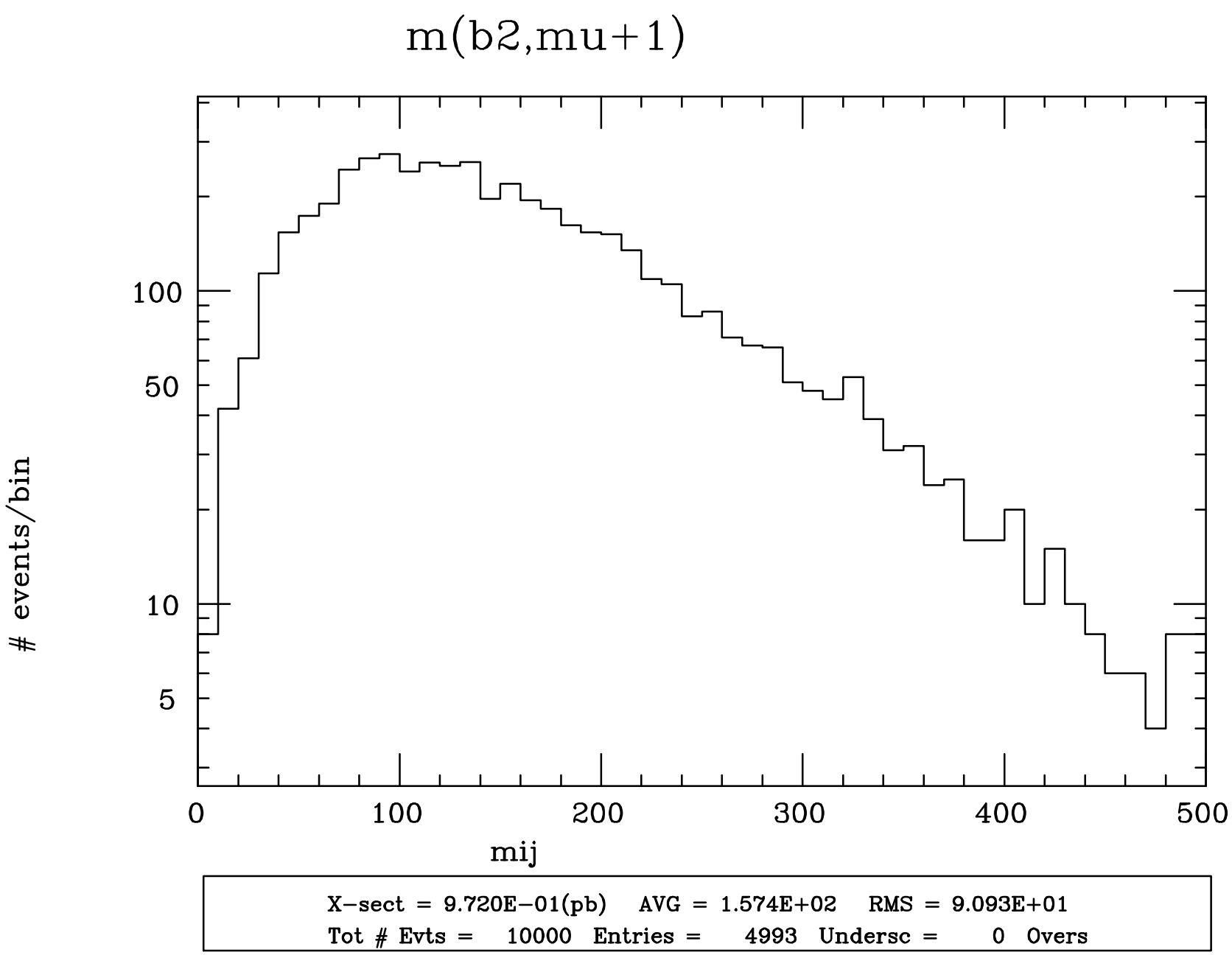

R(b2,e−1)
# events/bin
10^2
10^1
0
1
2
3
4
5
DeltaR
X−sect = 9.720E−01(pb) AVG = 2.608E+00 RMS = 7.683E−01
Tot # Evts = 10000 Entries = 4966 Undersc = 0 Overs

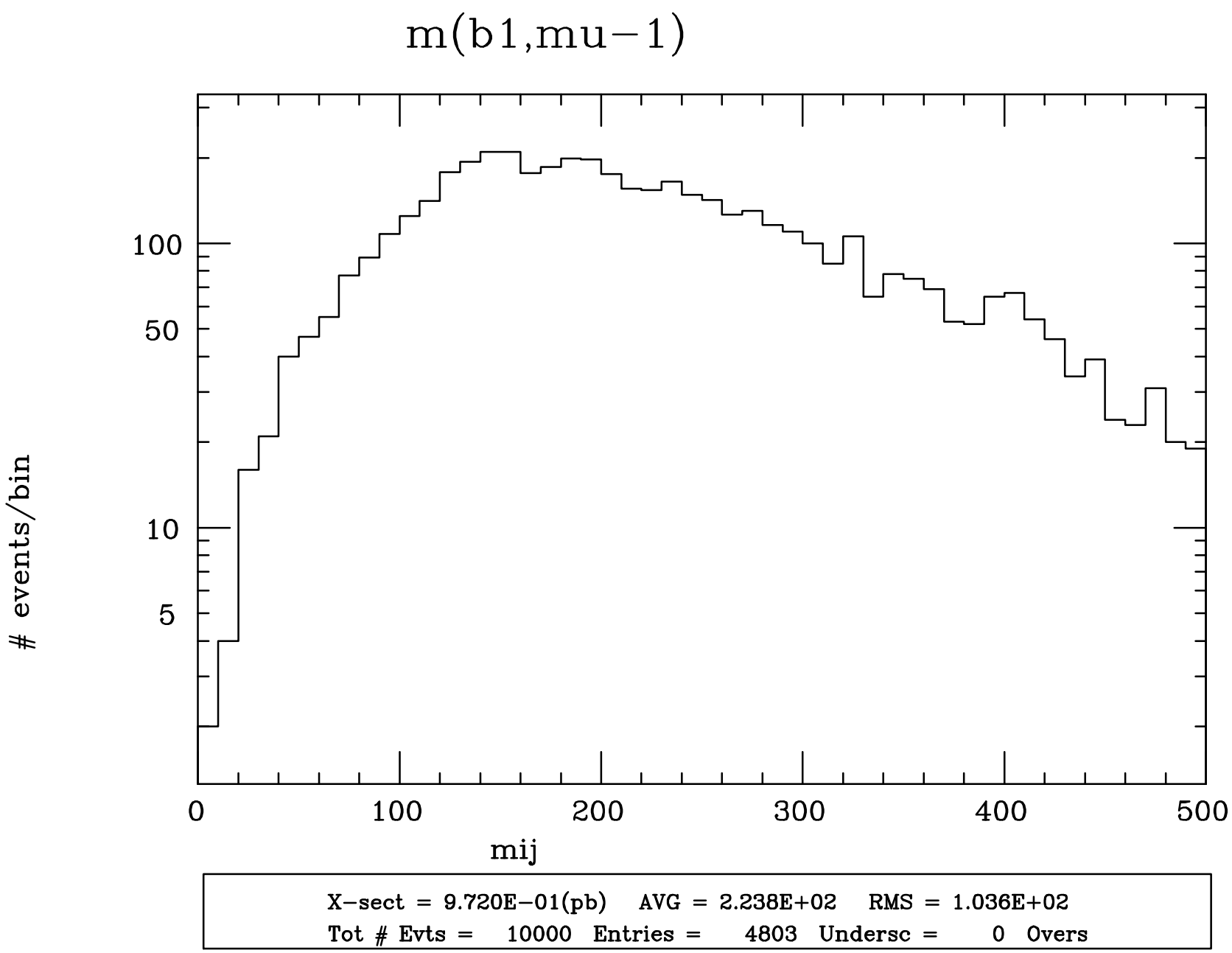

R(mu+1,mu−1)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X−sect = 9.720E−01(pb) AVG = 1.437E+00 RMS = 6.904E−01
Tot # Evts = 10000 Entries = 5015 Undersc = 0 Overs

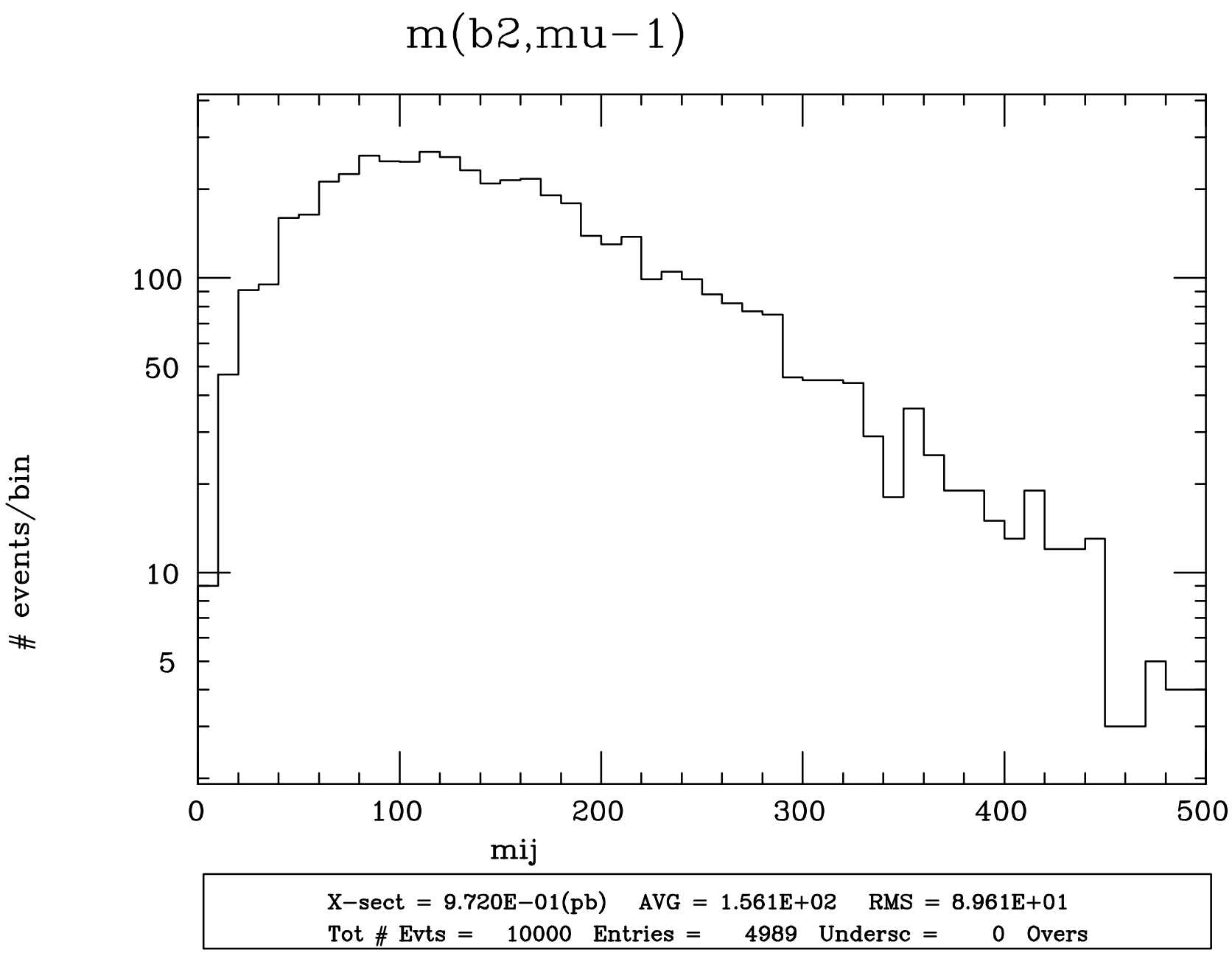

R(e+1,e−1)
# events/bin
10^2
10^1
10^0
0
1
2
3
4
5
DeltaR
X−sect = 9.720E−01(pb) AVG = 1.457E+00 RMS = 6.869E−01
Tot # Evts = 10000 Entries = 4985 Undersc = 0 Overs

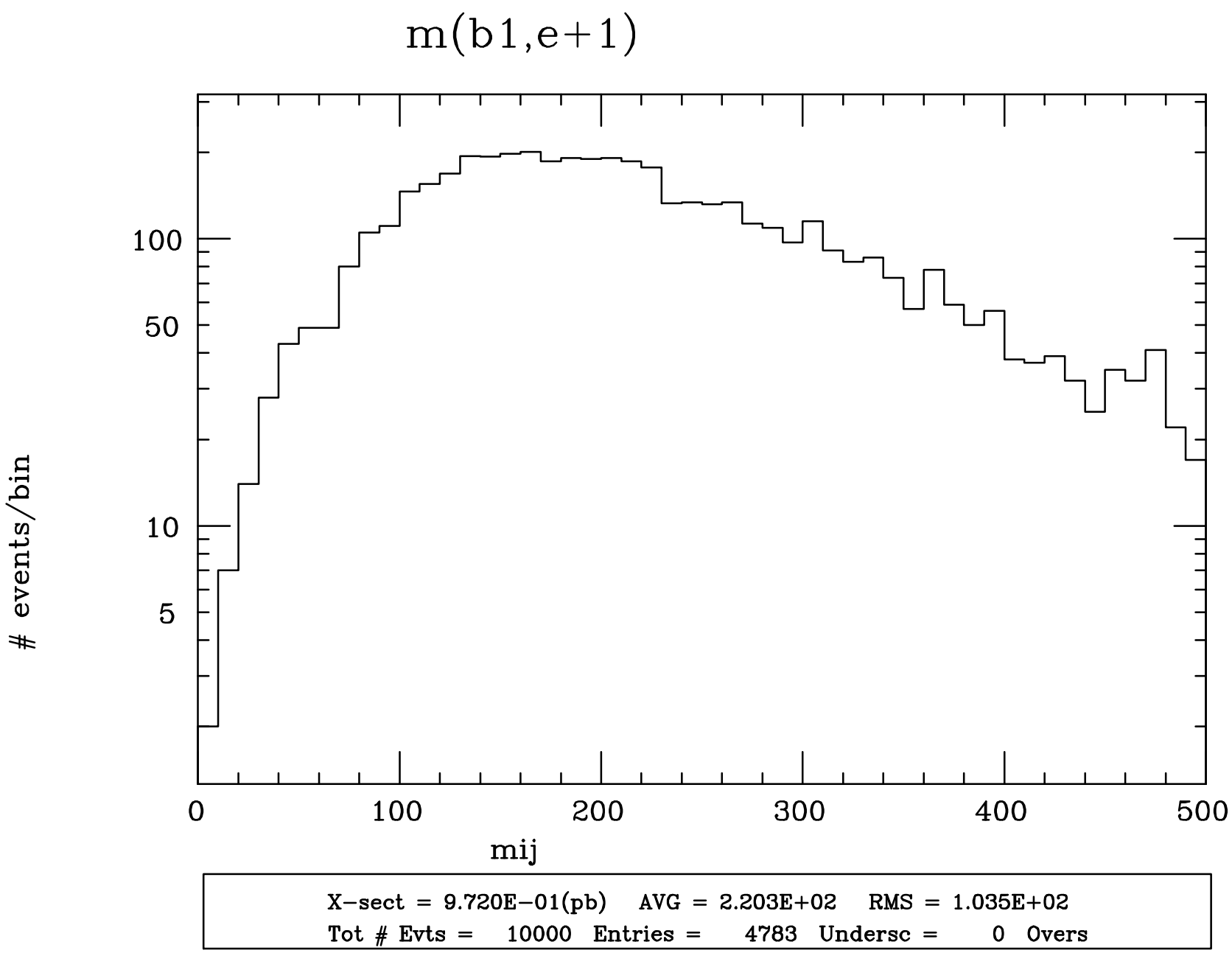

m(b1,b2)
# events/bin
10^3
10^2
10^1
10^0
0
100
200
300
400
500
mij
X-sect = 9.720E-01(pb) AVG = 1.194E+02 RMS = 2.193E+01
Tot # Evts = 10000 Entries = 10000 Undersc = 0 Overs

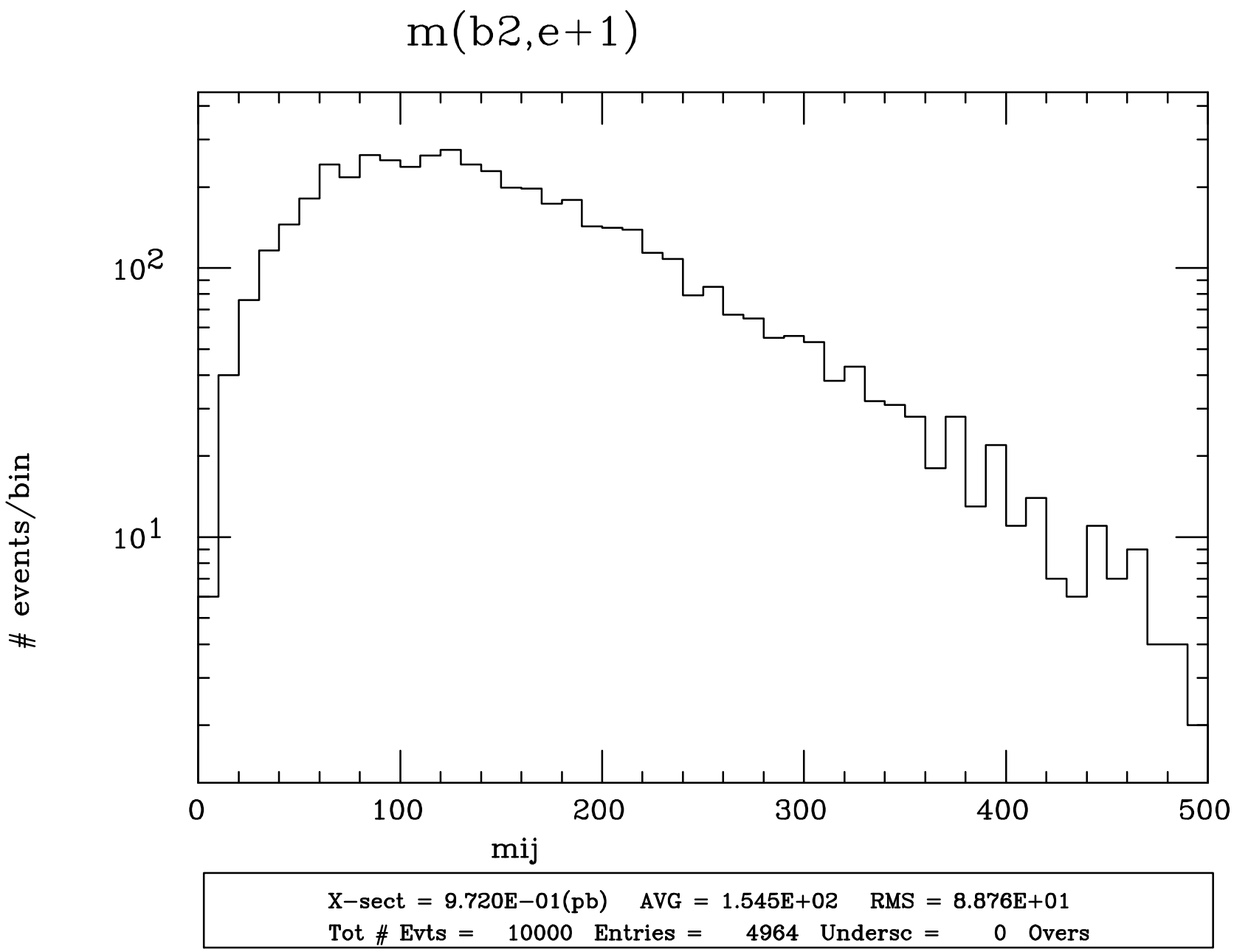

m(b1,mu+1)
# events/bin
100
50
10
5
0
100
200
300
400
500
mij
X-sect = 9.720E-01(pb) AVG = 2.239E+02 RMS = 1.038E+02
Tot # Evts = 10000 Entries = 4789 Undersc = 0 Overs

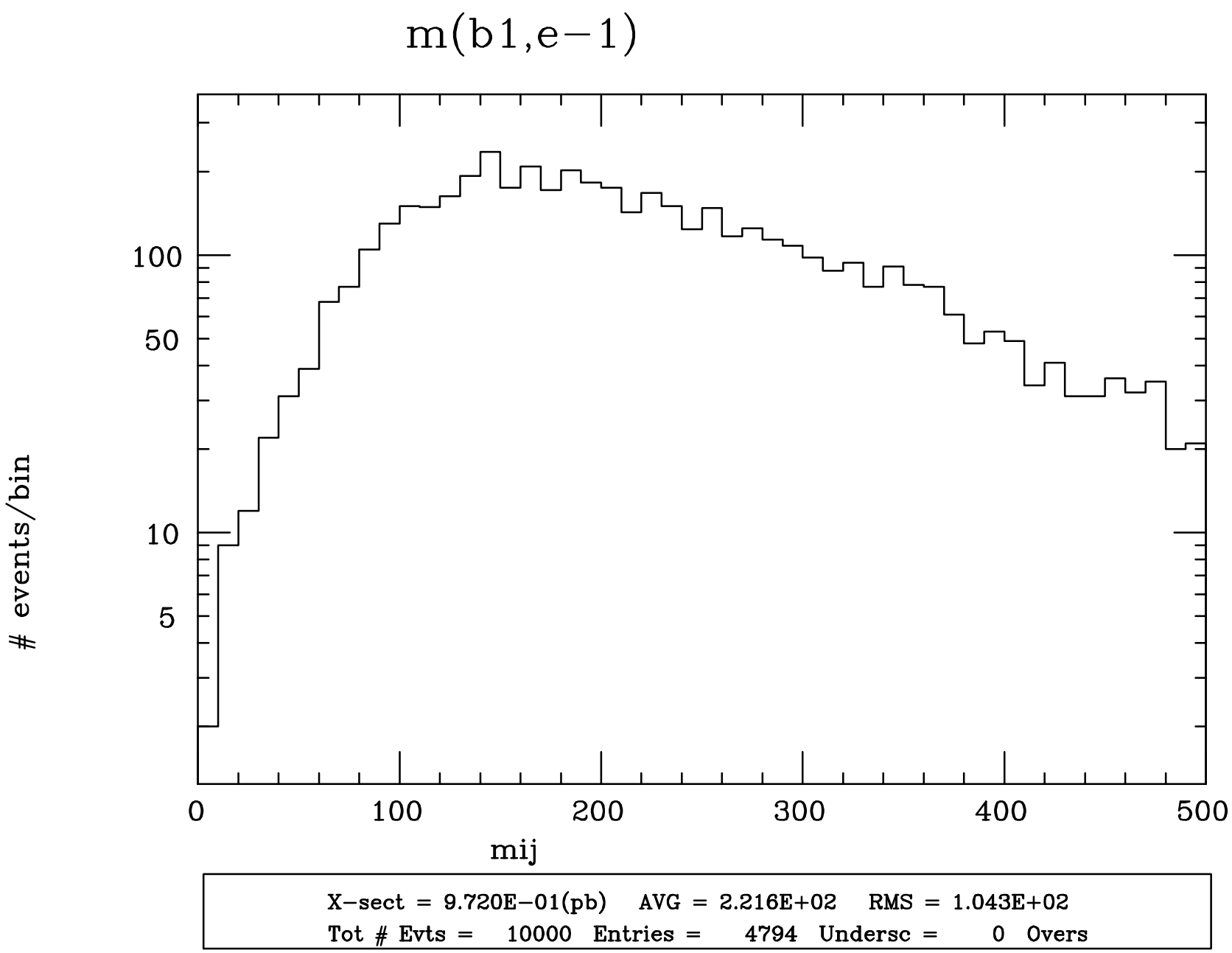

m(b2,mu+1)
# events/bin
100
50
10
5
0
100
200
300
400
500
mij
X-sect = 9.720E-01(pb) AVG = 1.574E+02 RMS = 9.093E+01
Tot # Evts = 10000 Entries = 4993 Undersc = 0 Overs

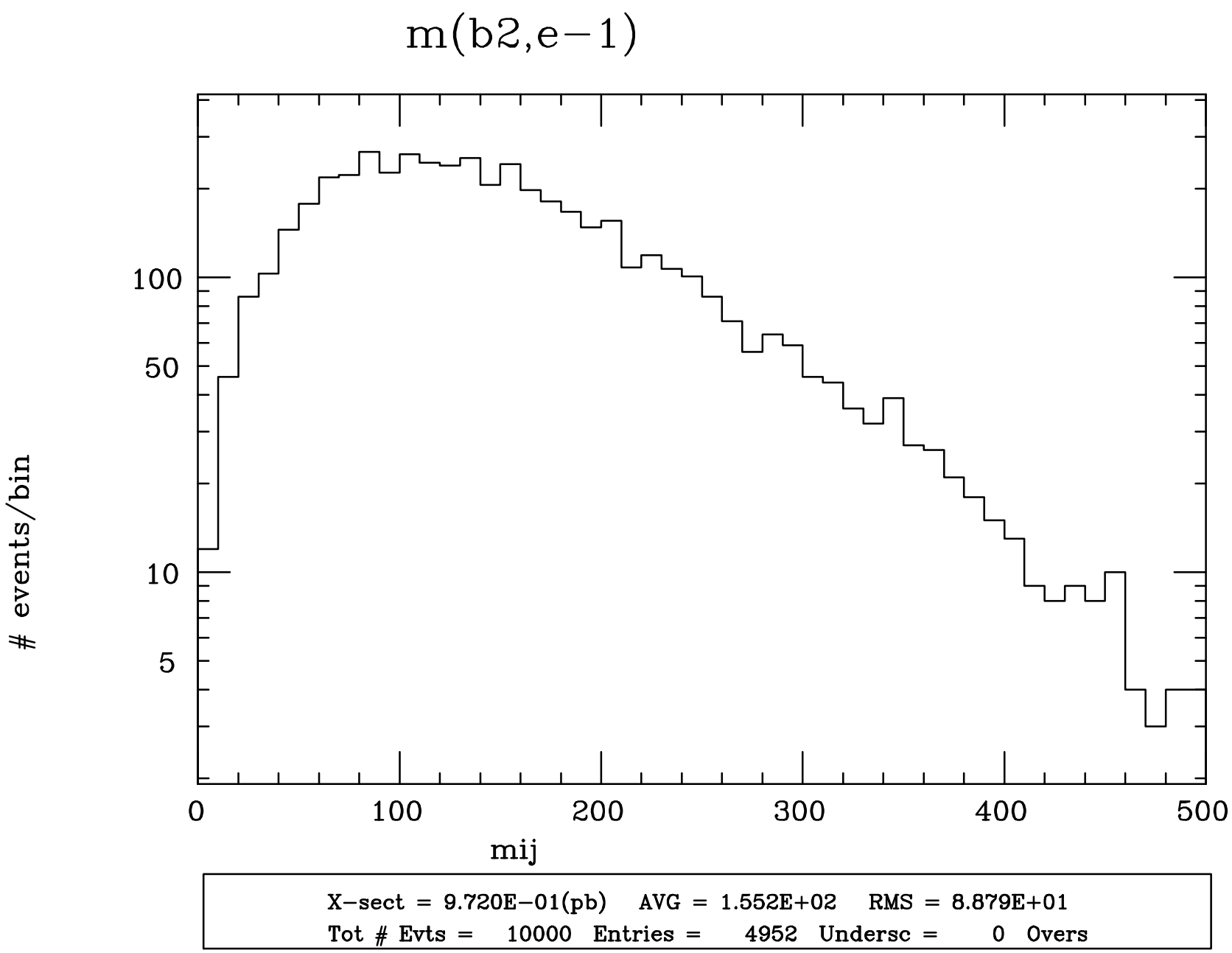

m(b1,mu−1)
# events/bin
100
50
10
5
0
100
200
300
400
500
mij
X−sect = 9.720E−01(pb) AVG = 2.238E+02 RMS = 1.036E+02
Tot # Evts = 10000 Entries = 4803 Undersc = 0 Overs

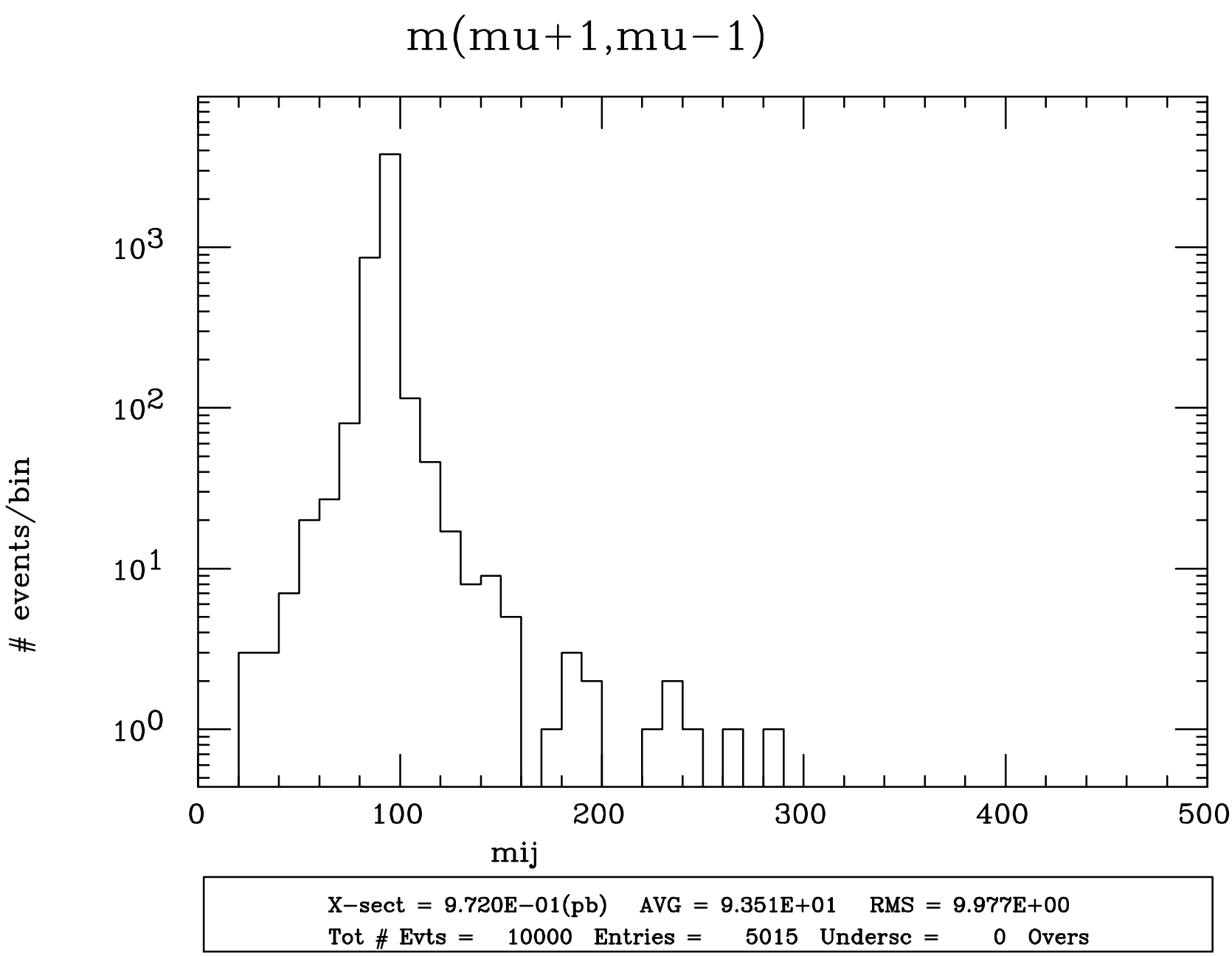

m(b2,mu−1)
# events/bin
100
50
10
5
0
100
200
300
400
500
mij
X−sect = 9.720E−01(pb) AVG = 1.561E+02 RMS = 8.961E+01
Tot # Evts = 10000 Entries = 4989 Undersc = 0 Overs

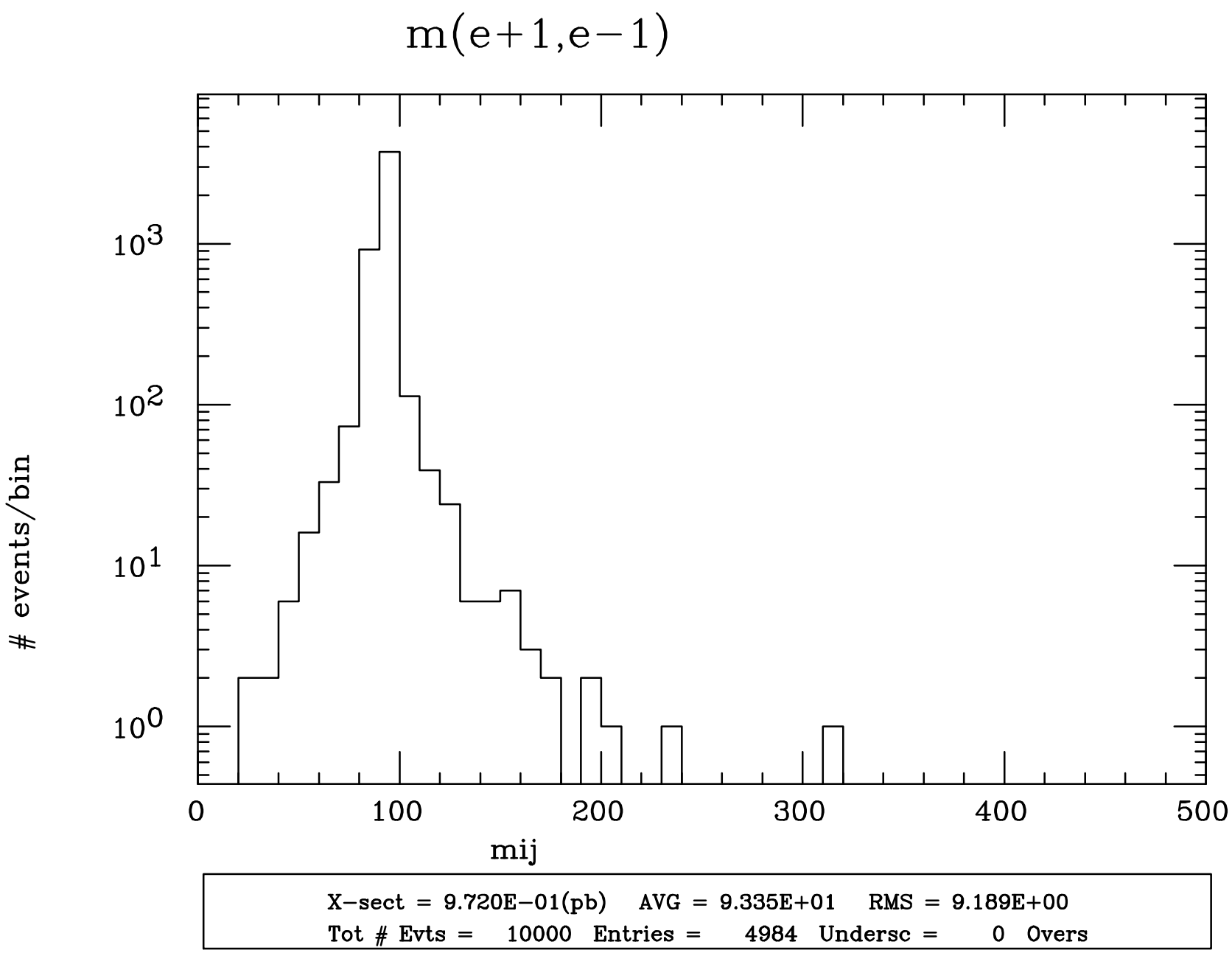

m(b1,e+1)
# events/bin
100
50
10
5
0
100
200
300
400
500
mij
X-sect = 9.720E-01(pb) AVG = 2.203E+02 RMS = 1.035E+02
Tot # Evts = 10000 Entries = 4783 Undersc = 0 Overs


m(b2,e+1)
# events/bin
10^2
10^1
0
100
200
300
400
500
mij
X-sect = 9.720E-01(pb) AVG = 1.545E+02 RMS = 8.876E+01
Tot # Evts = 10000 Entries = 4964 Undersc = 0 Overs


m(b1,e−1)
# events/bin
100
50
10
5
0
100
200
300
400
500
mij
X−sect = 9.720E−01(pb) AVG = 2.216E+02 RMS = 1.043E+02
Tot # Evts = 10000 Entries = 4794 Undersc = 0 Overs


m(b2,e−1)
# events/bin
100
50
10
5
0
100
200
300
400
500
mij
X−sect = 9.720E−01(pb) AVG = 1.552E+02 RMS = 8.879E+01
Tot # Evts = 10000 Entries = 4952 Undersc = 0 Overs


m(mu+1,mu−1)
# events/bin
10^3
10^2
10^1
10^0
0
100
200
300
400
500
mij
X−sect = 9.720E−01(pb) AVG = 9.351E+01 RMS = 9.977E+00
Tot # Evts = 10000 Entries = 5015 Undersc = 0 Overs


m(e+1,e−1)
# events/bin
10^3
10^2
10^1
10^0
0
100
200
300
400
500
mij
X−sect = 9.720E−01(pb) AVG = 9.335E+01 RMS = 9.189E+00
Tot # Evts = 10000 Entries = 4984 Undersc = 0 Overs