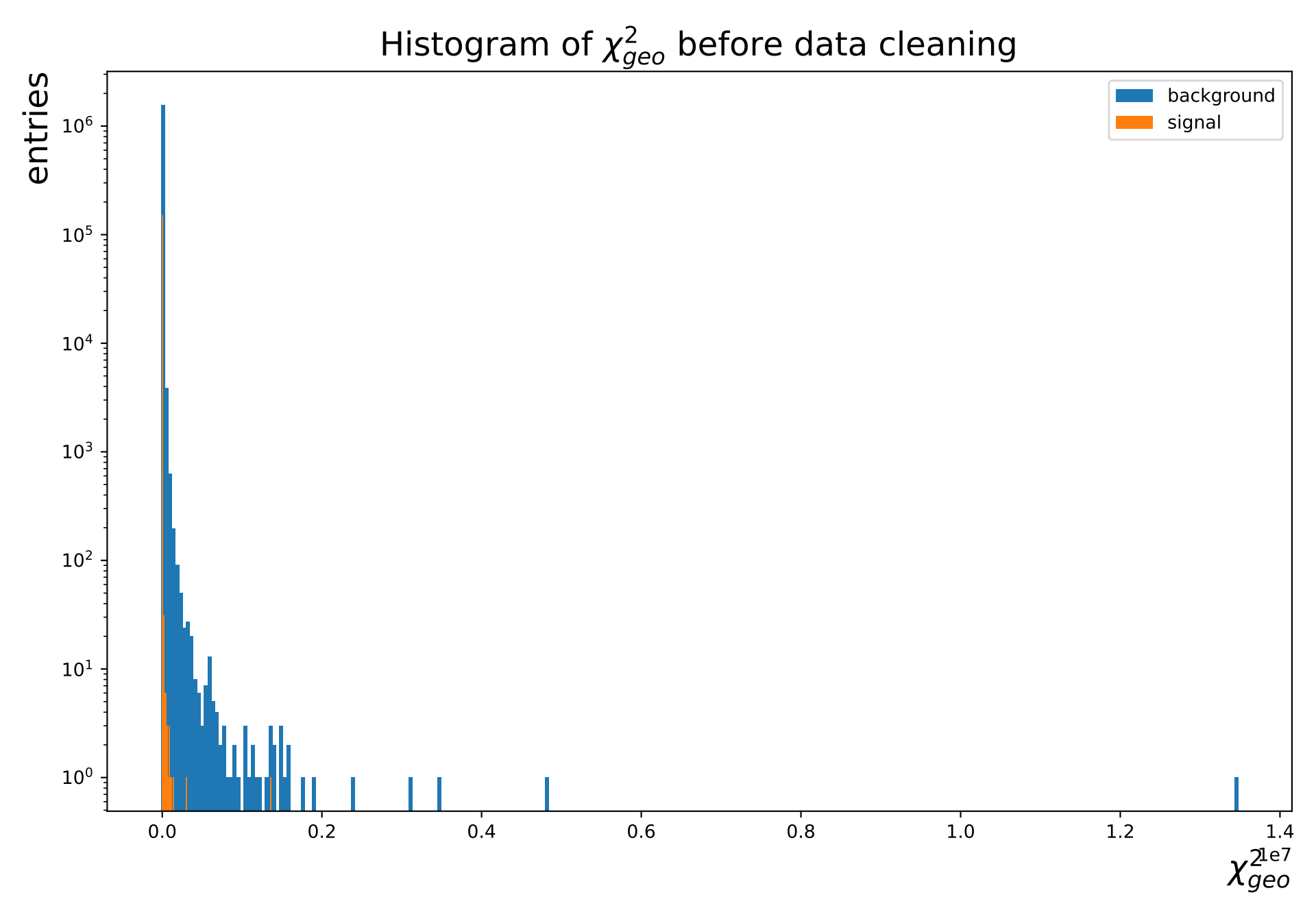
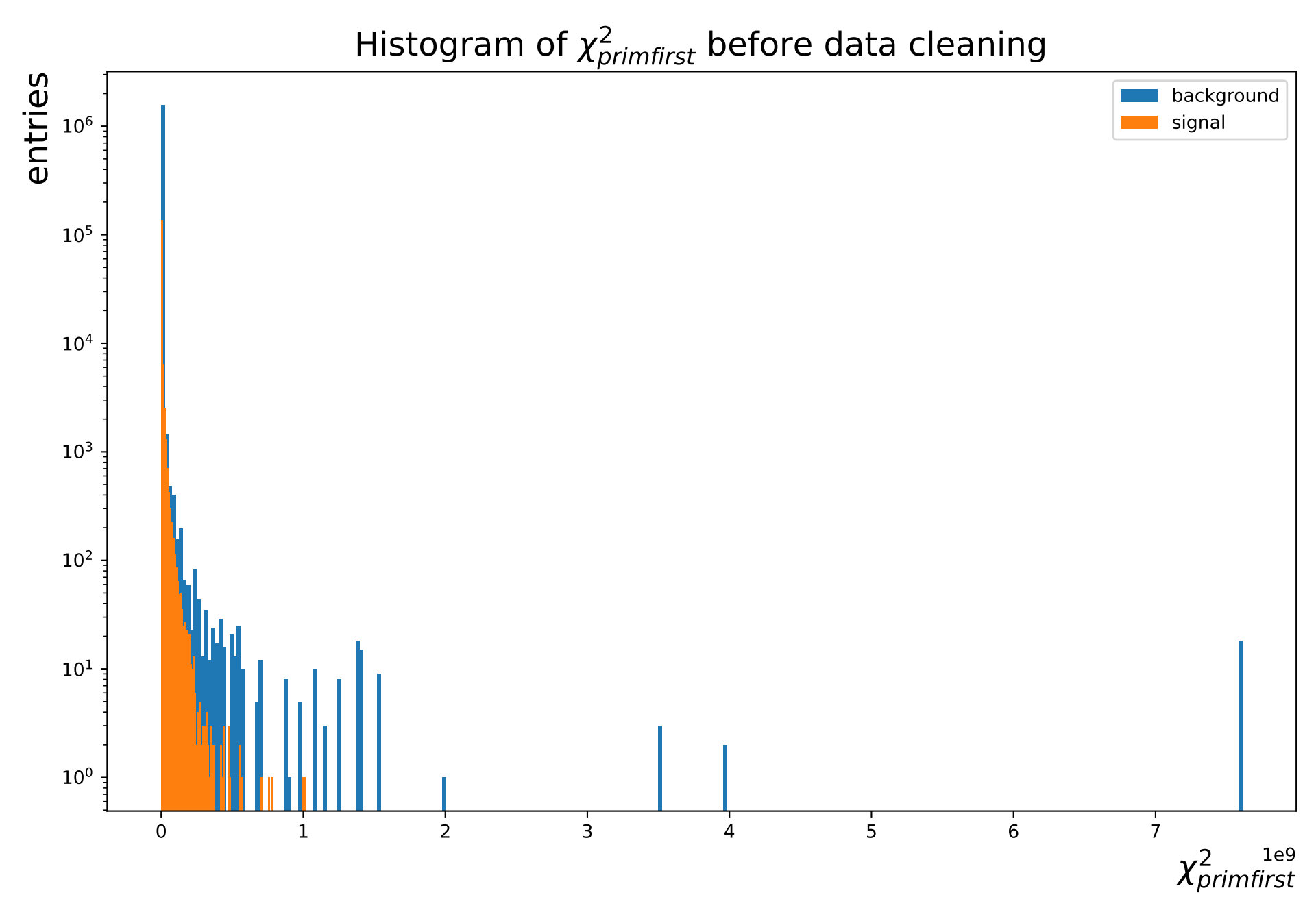
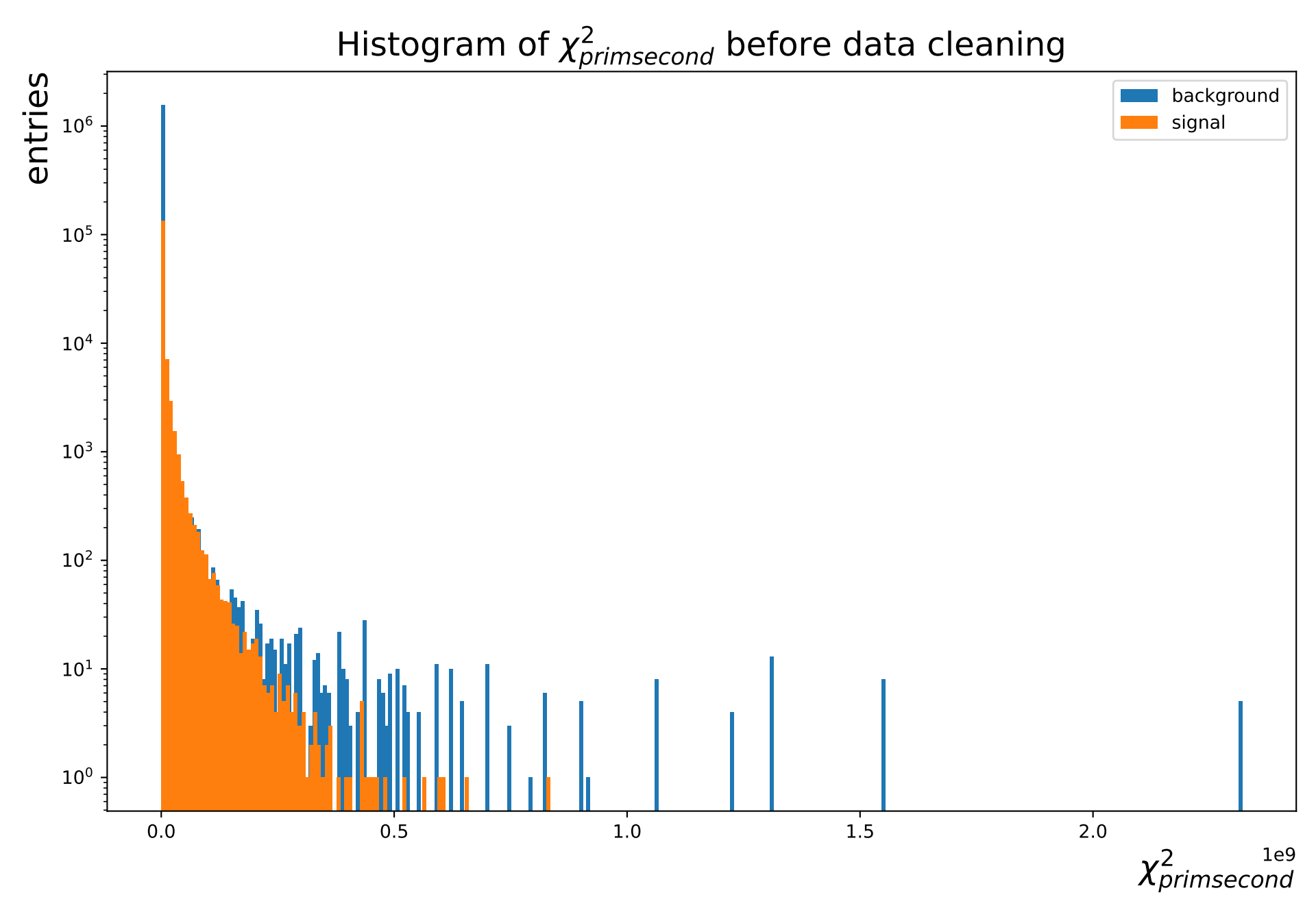
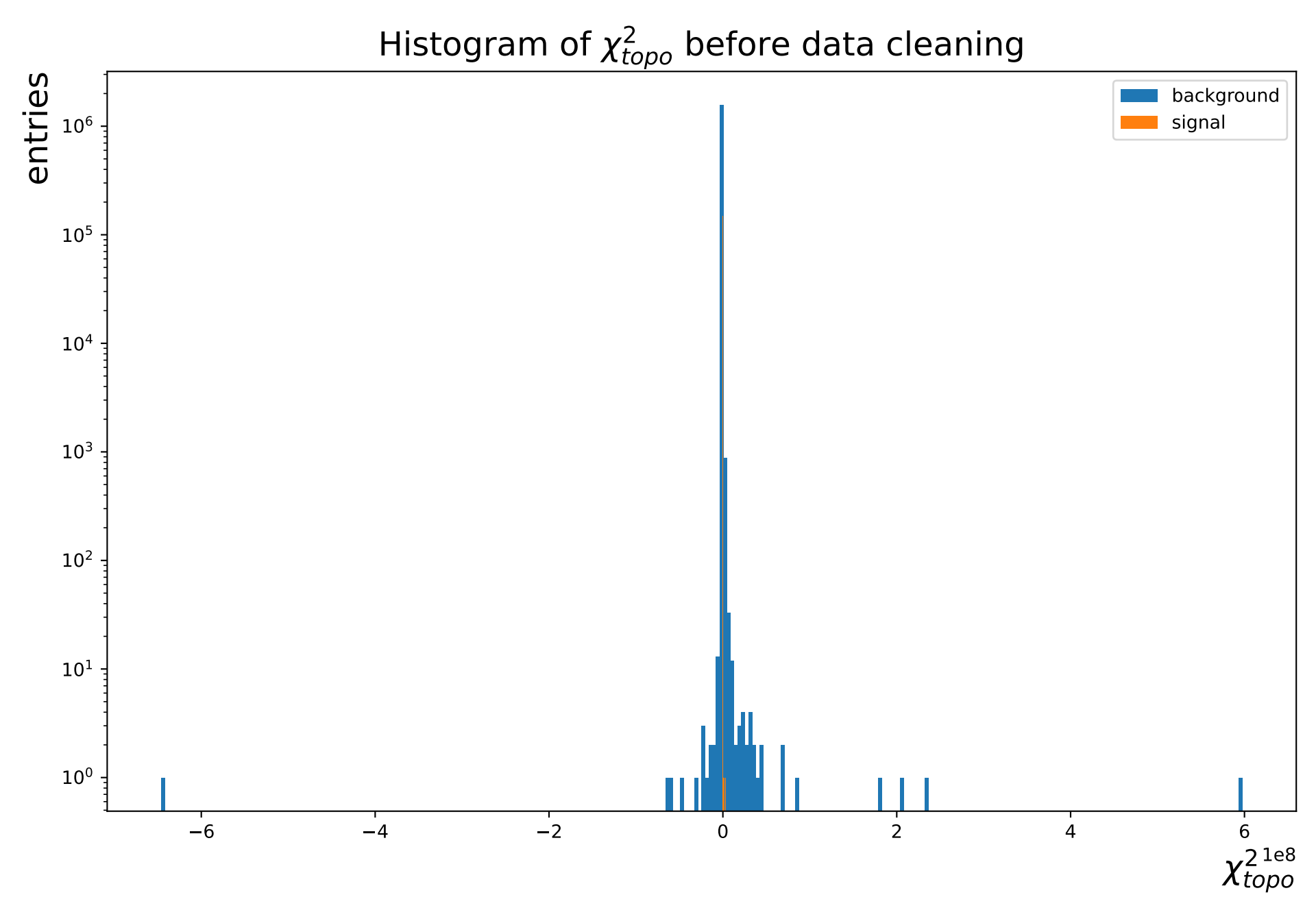
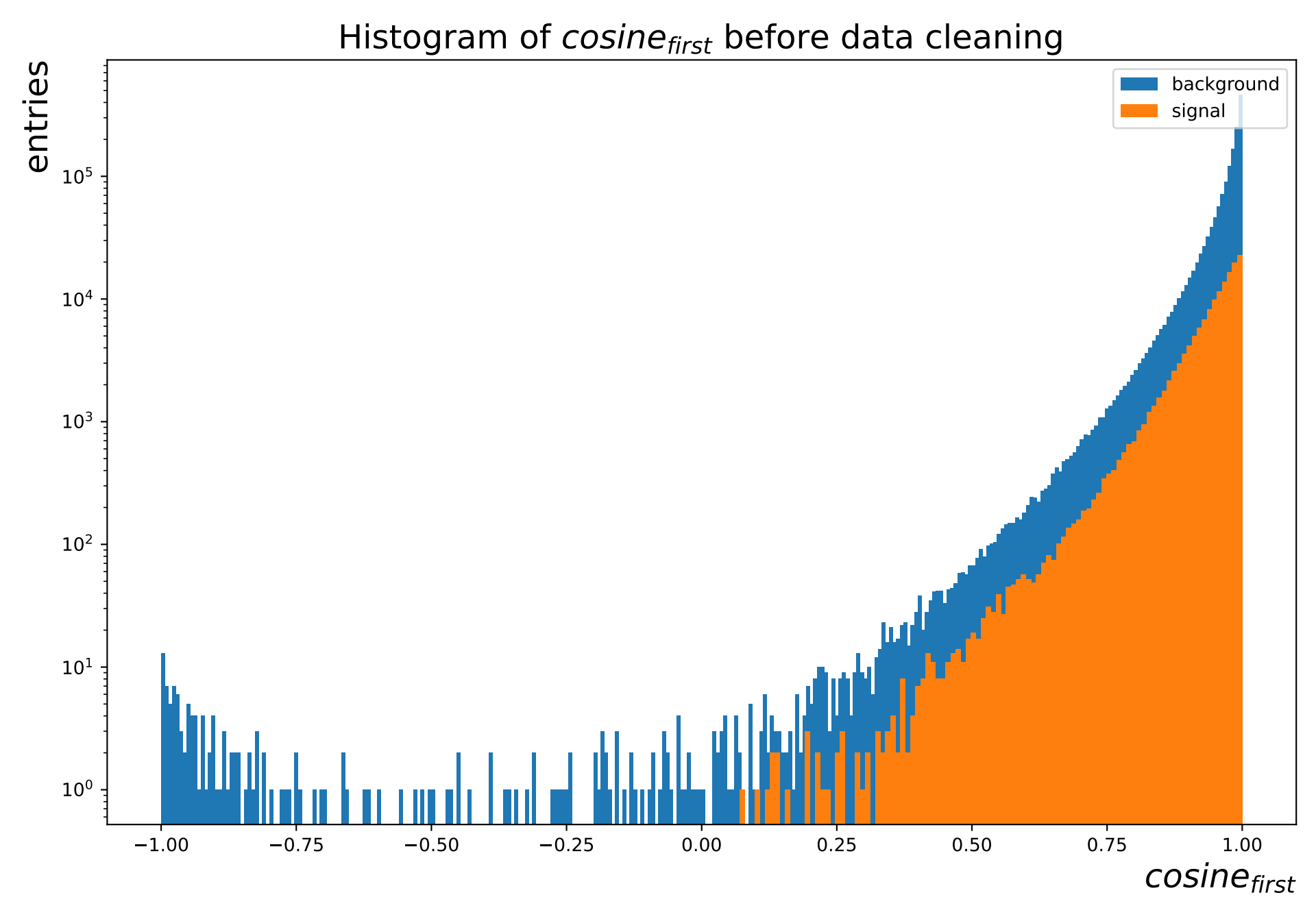
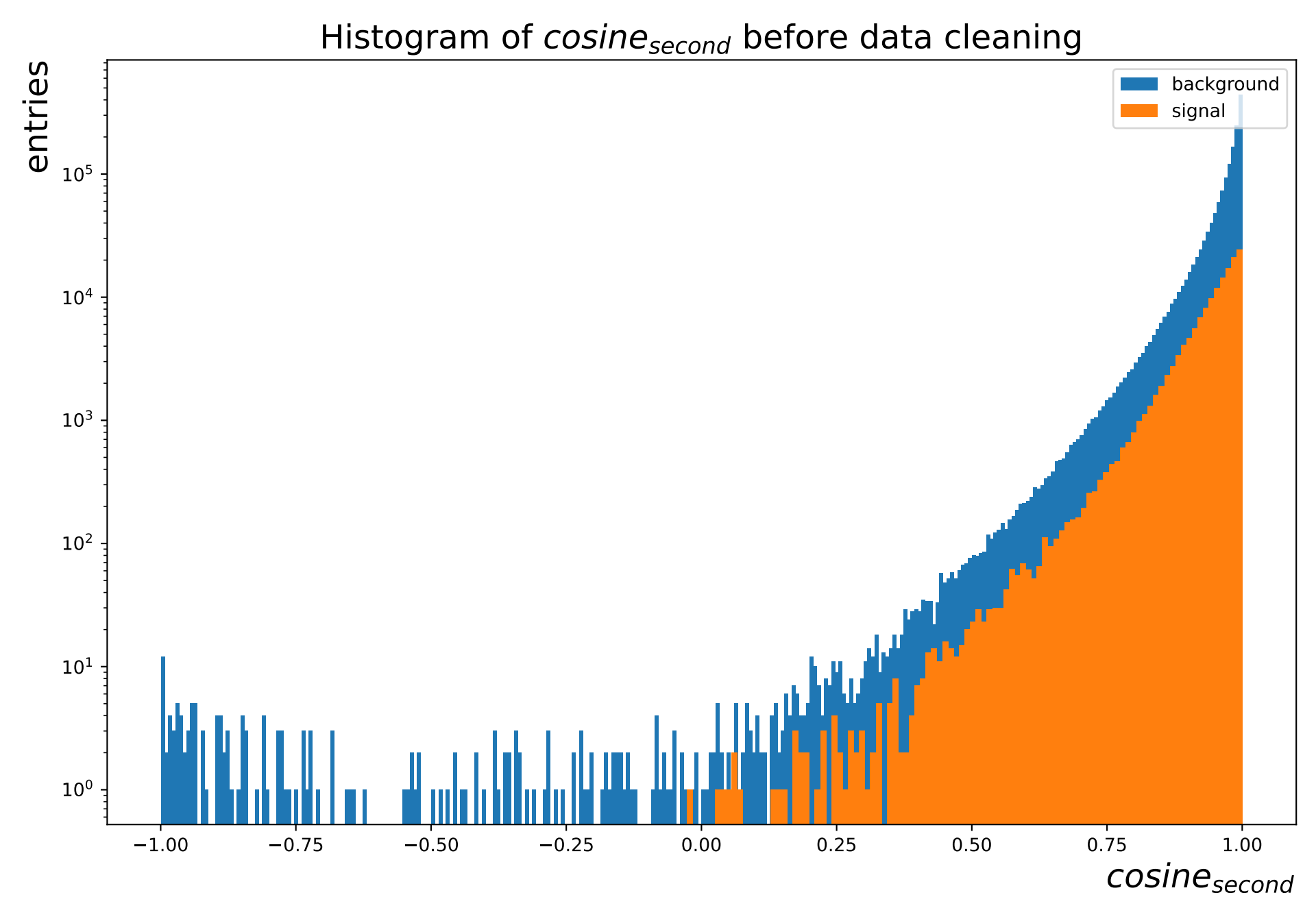

Histogram of χ^2_{geo} before data cleaning
entries
background
signal
10^6
10^5
10^4
10^3
10^2
10^1
10^0
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1e7
χ^2_{geo}

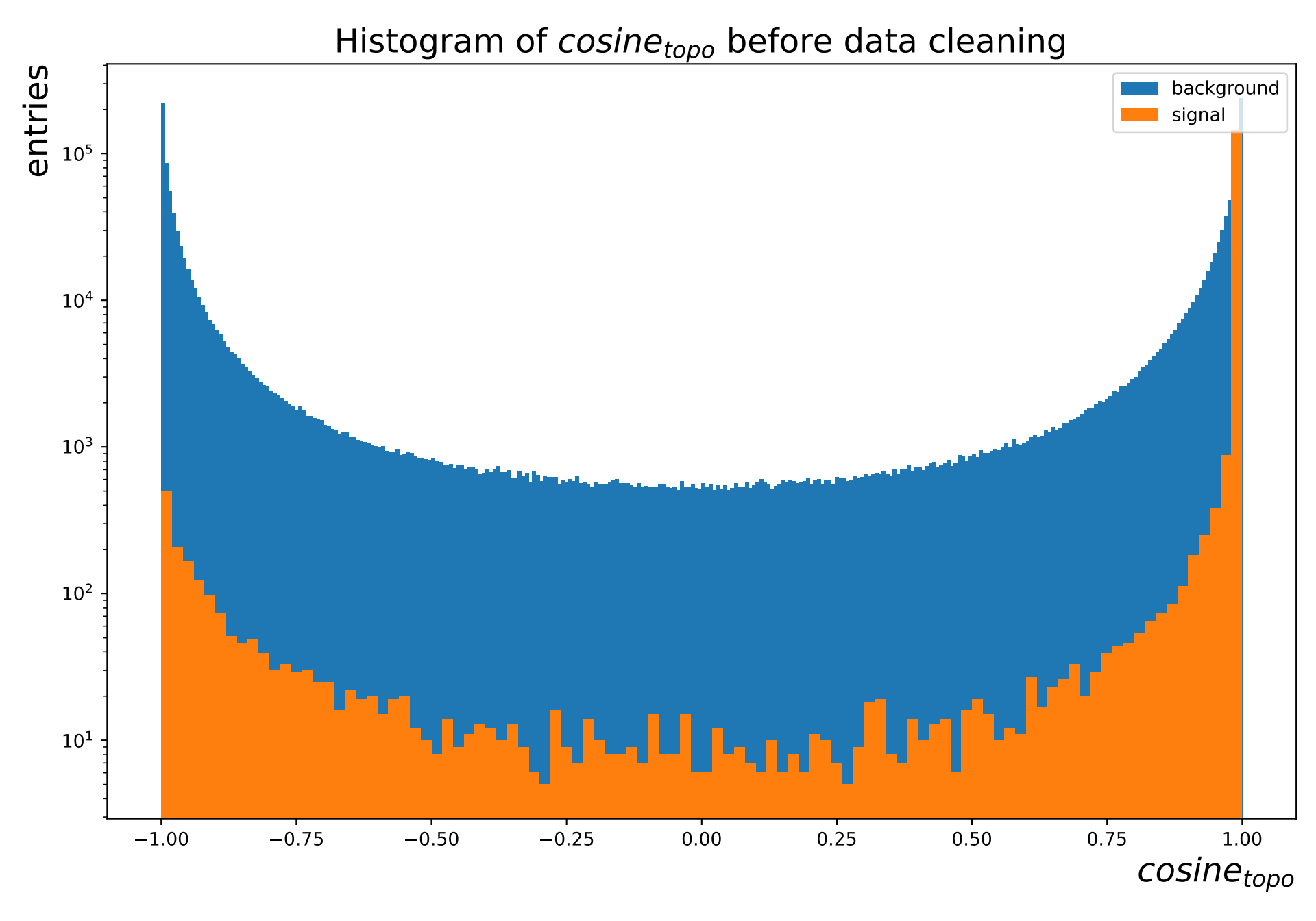

Histogram of $\chi^2_{primfirst}$ before data cleaning
entries
background
signal
10^6
10^5
10^4
10^3
10^2
10^1
10^0
0
1
2
3
4
5
6
7
1e9
$\chi^2_{primfirst}$

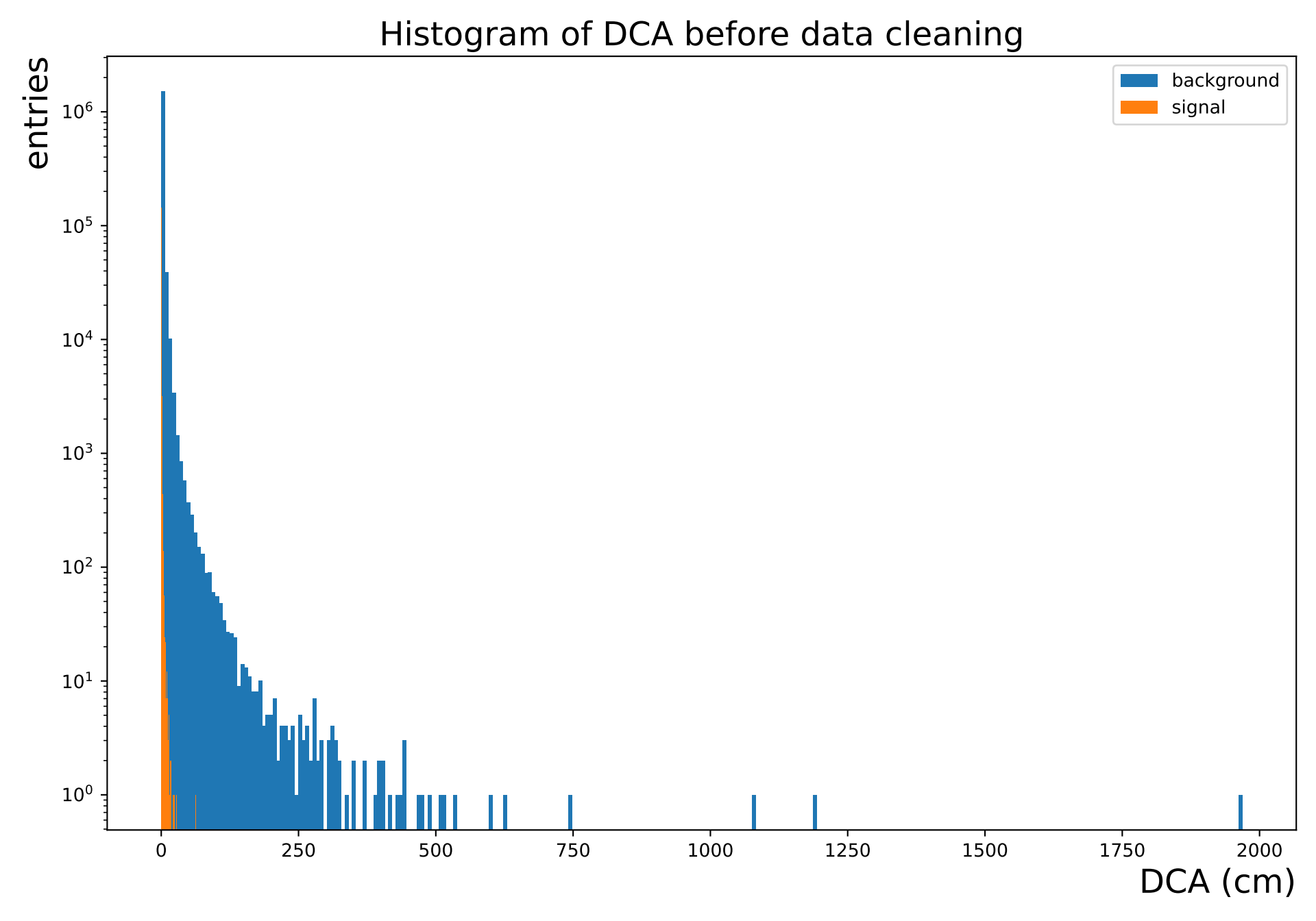

Histogram of $\chi^2_{primsecond}$ before data cleaning
entries
background
signal
10^6
10^5
10^4
10^3
10^2
10^1
10^0
0.0
0.5
1.0
1.5
2.0
1e9
$\chi^2_{primsecond}$

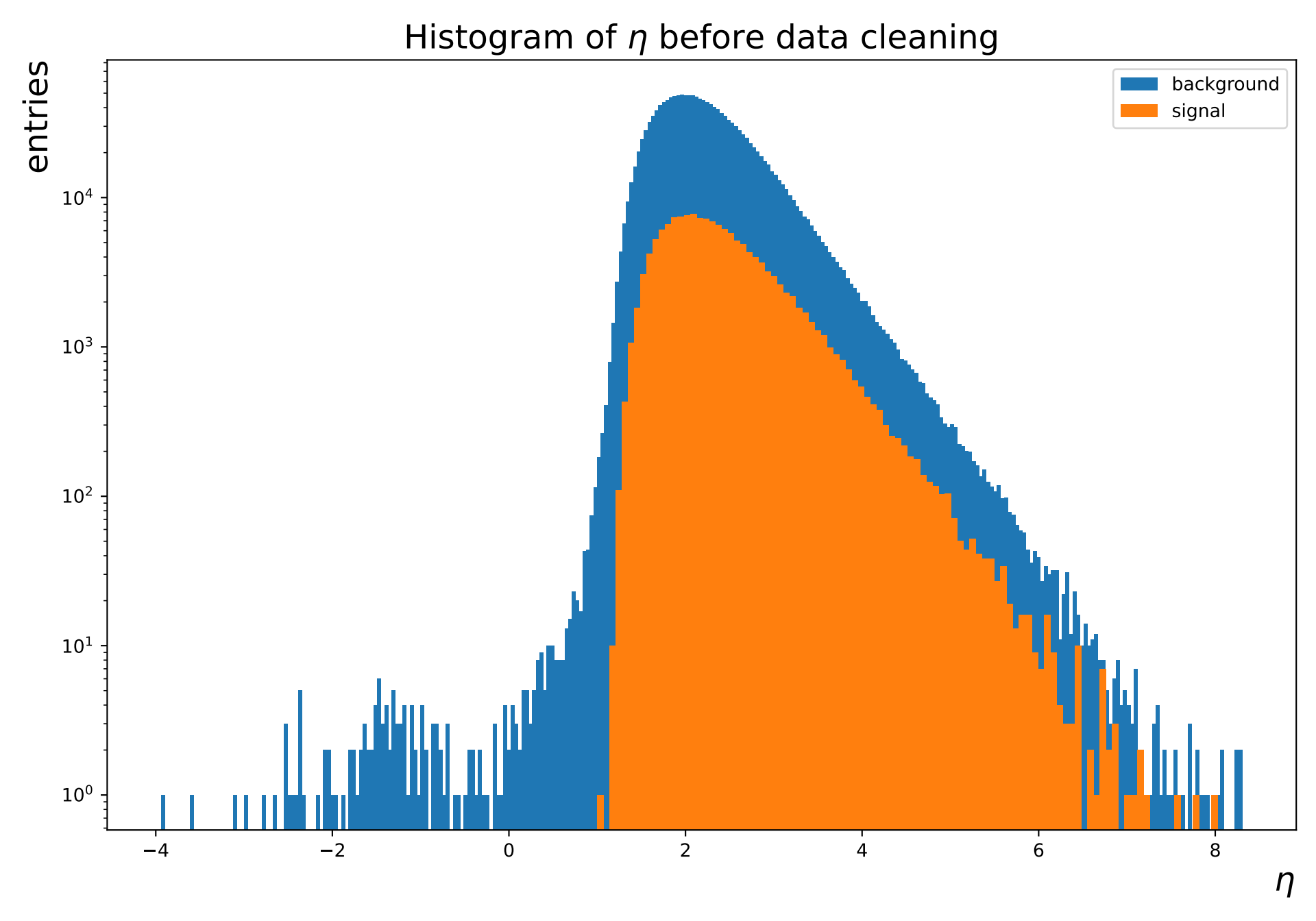

Histogram of χ^2_{topo} before data cleaning
entries
background
signal
10^6
10^5
10^4
10^3
10^2
10^1
10^0
−6
−4
−2
0
2
4
6
1e8
χ^2_{topo}

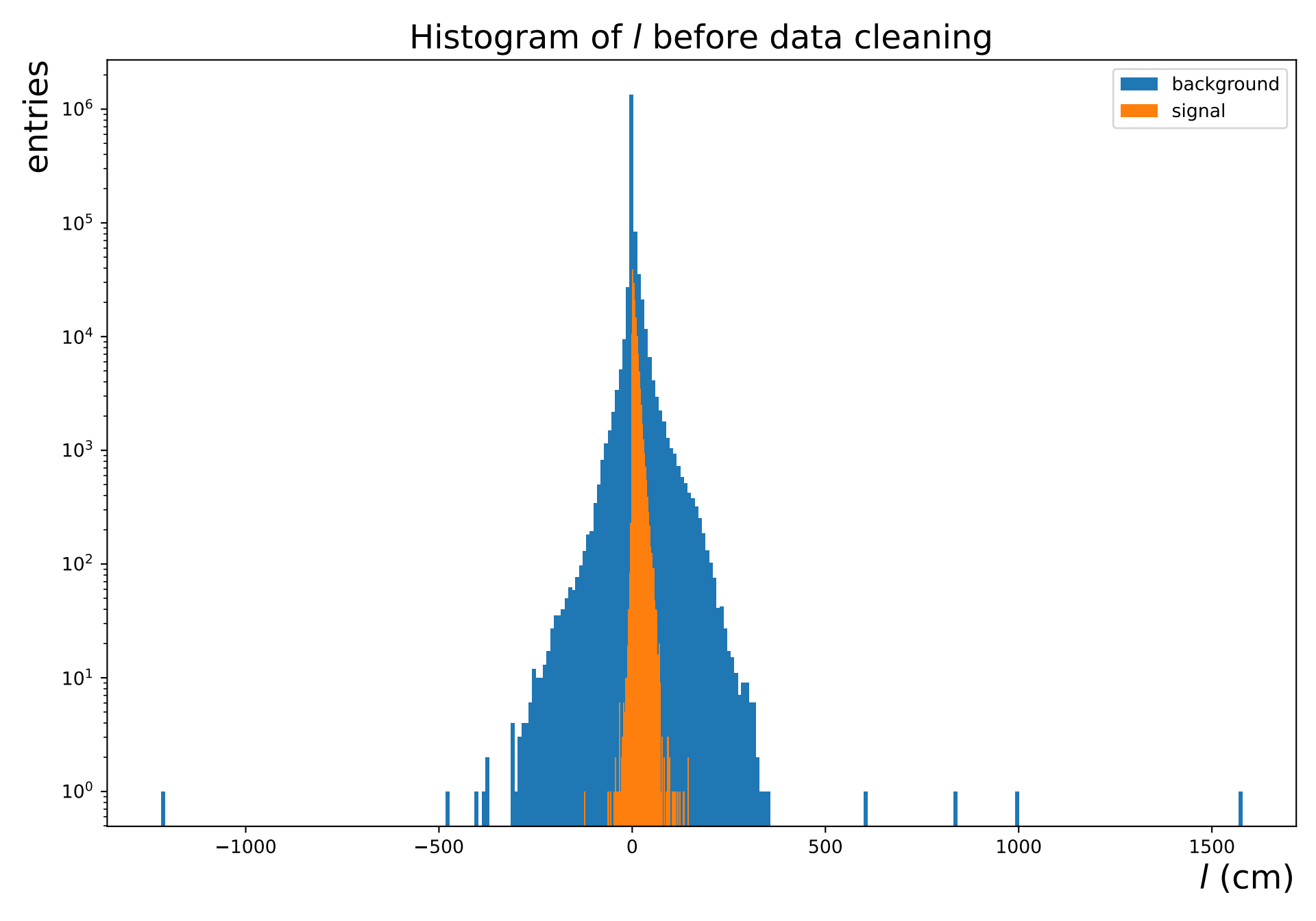

Histogram of $cosine_{first}$ before data cleaning
entries
background
signal
10^5
10^4
10^3
10^2
10^1
10^0
−1.00
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
1.00
$cosine_{first}$

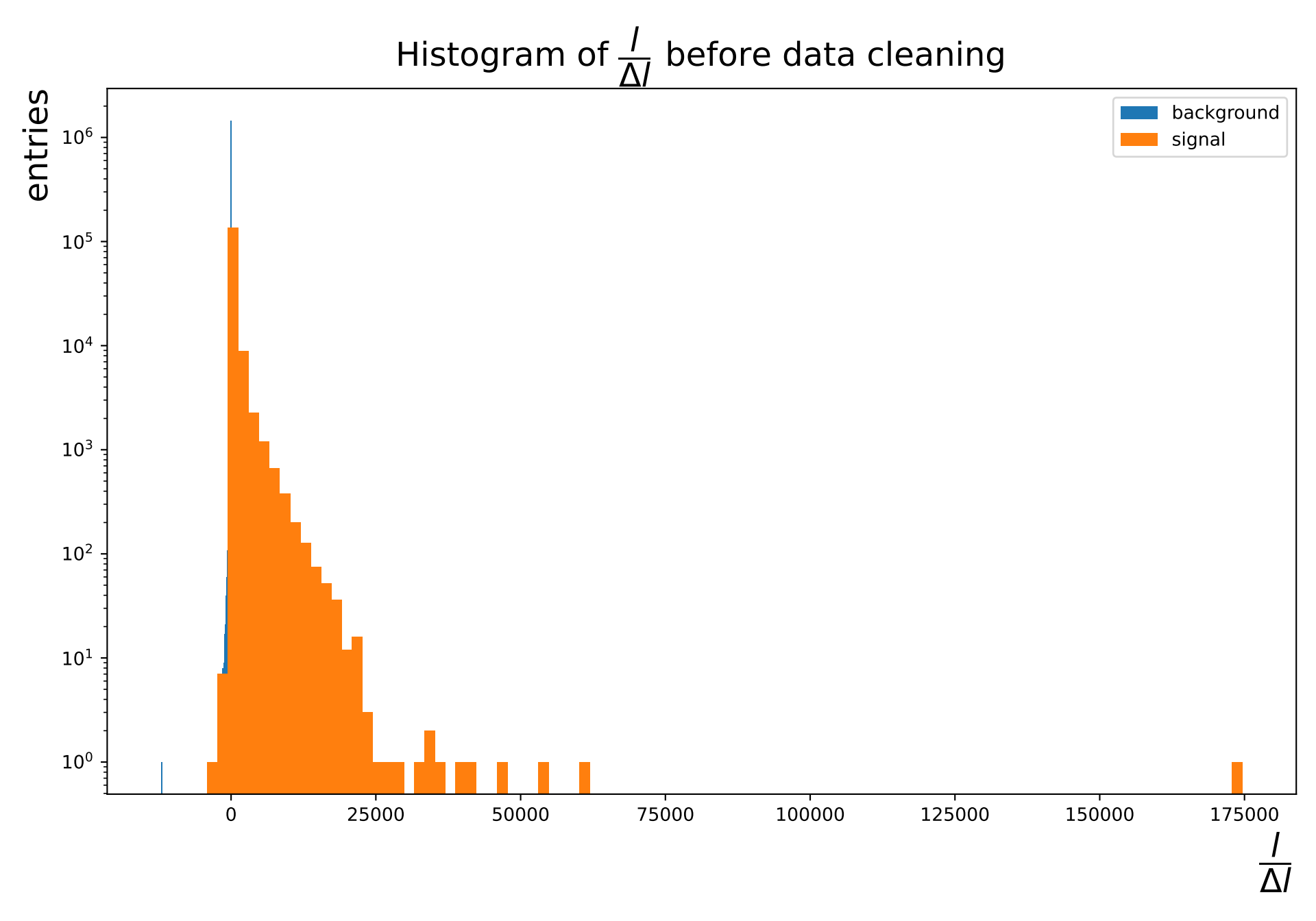

Histogram of $cosine_{second}$ before data cleaning
entries
background
signal
10^5
10^4
10^3
10^2
10^1
10^0
−1.00
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
1.00
$cosine_{second}$

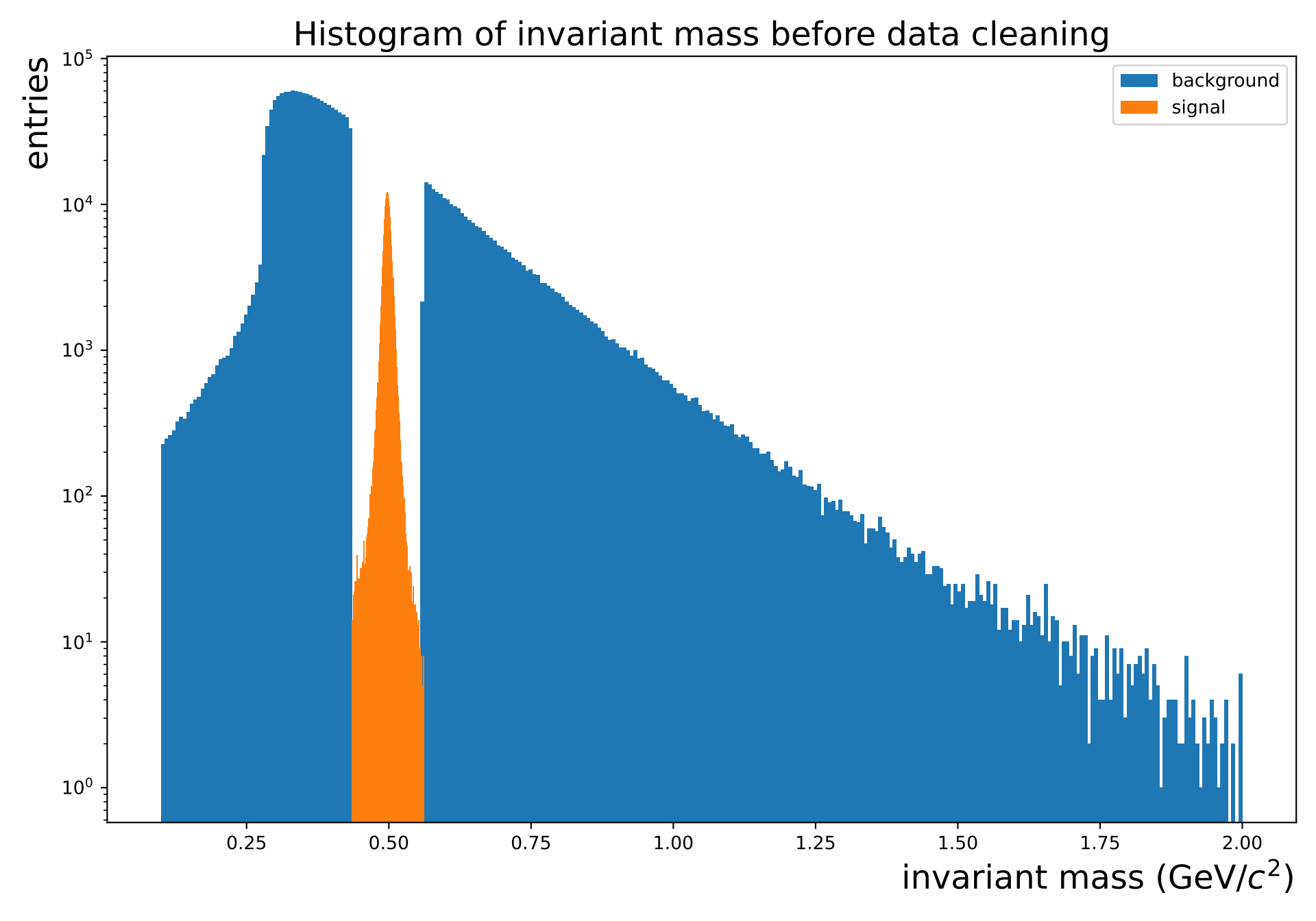

Histogram of $cosine_{topo}$ before data cleaning
entries
background
signal
10^5
10^4
10^3
10^2
10^1
−1.00
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
1.00
$cosine_{topo}$

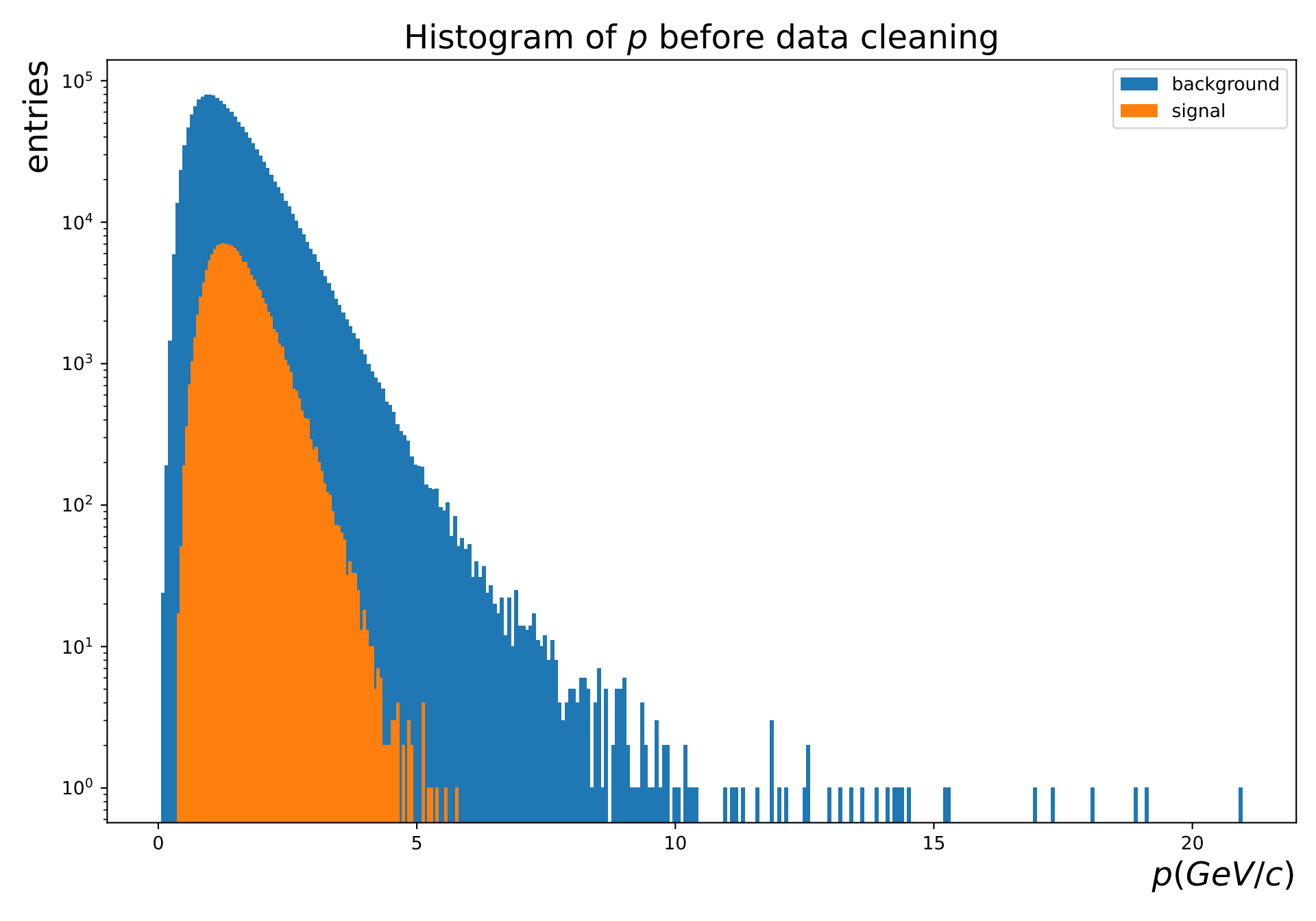

Histogram of DCA before data cleaning
entries
DCA (cm)
background
signal
10^0
10^1
10^2
10^3
10^4
10^5
10^6
0
250
500
750
1000
1250
1500
1750
2000

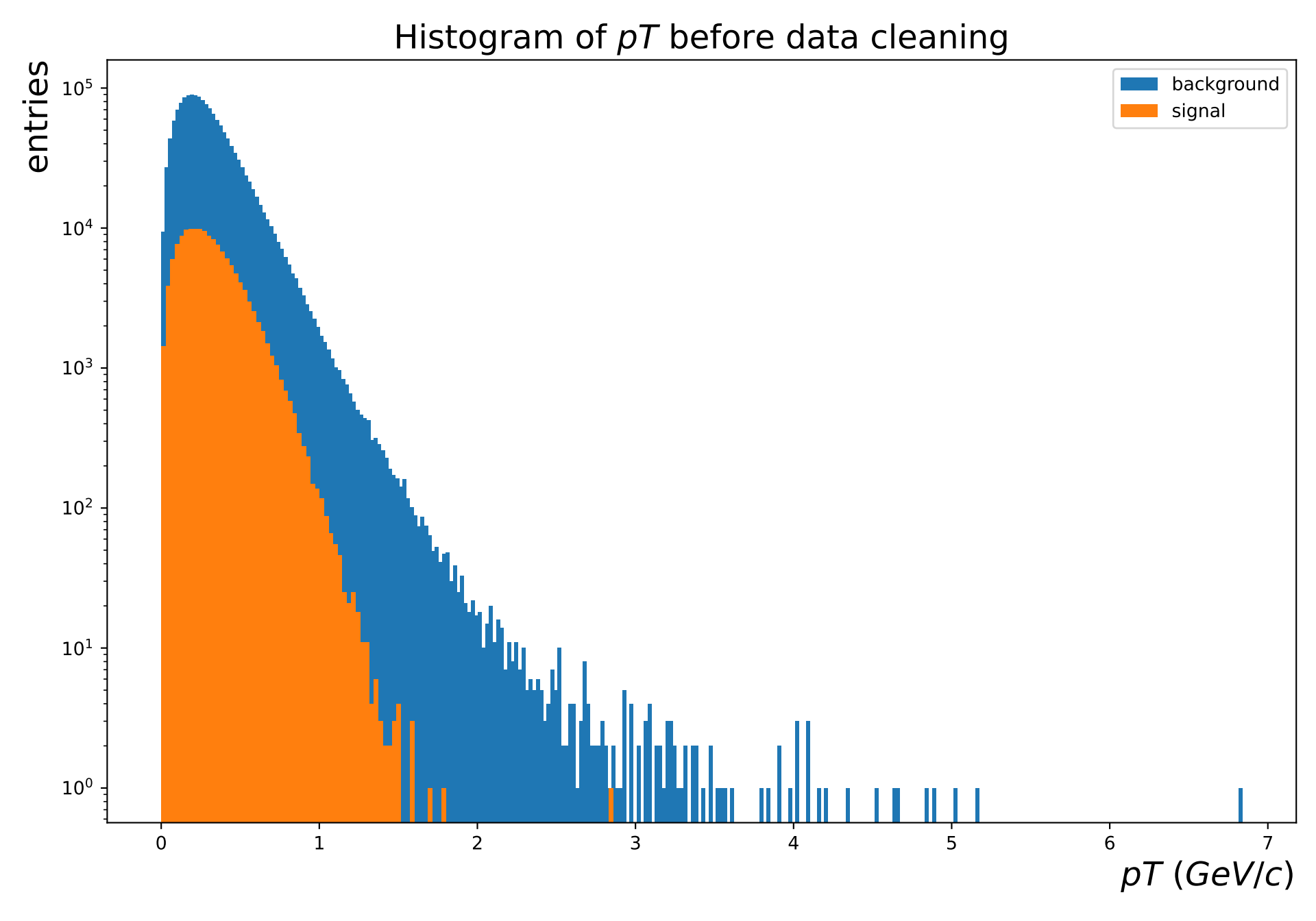

Histogram of η before data cleaning
entries
10^4
10^3
10^2
10^1
10^0
background
signal
−4
−2
0
2
4
6
8
η

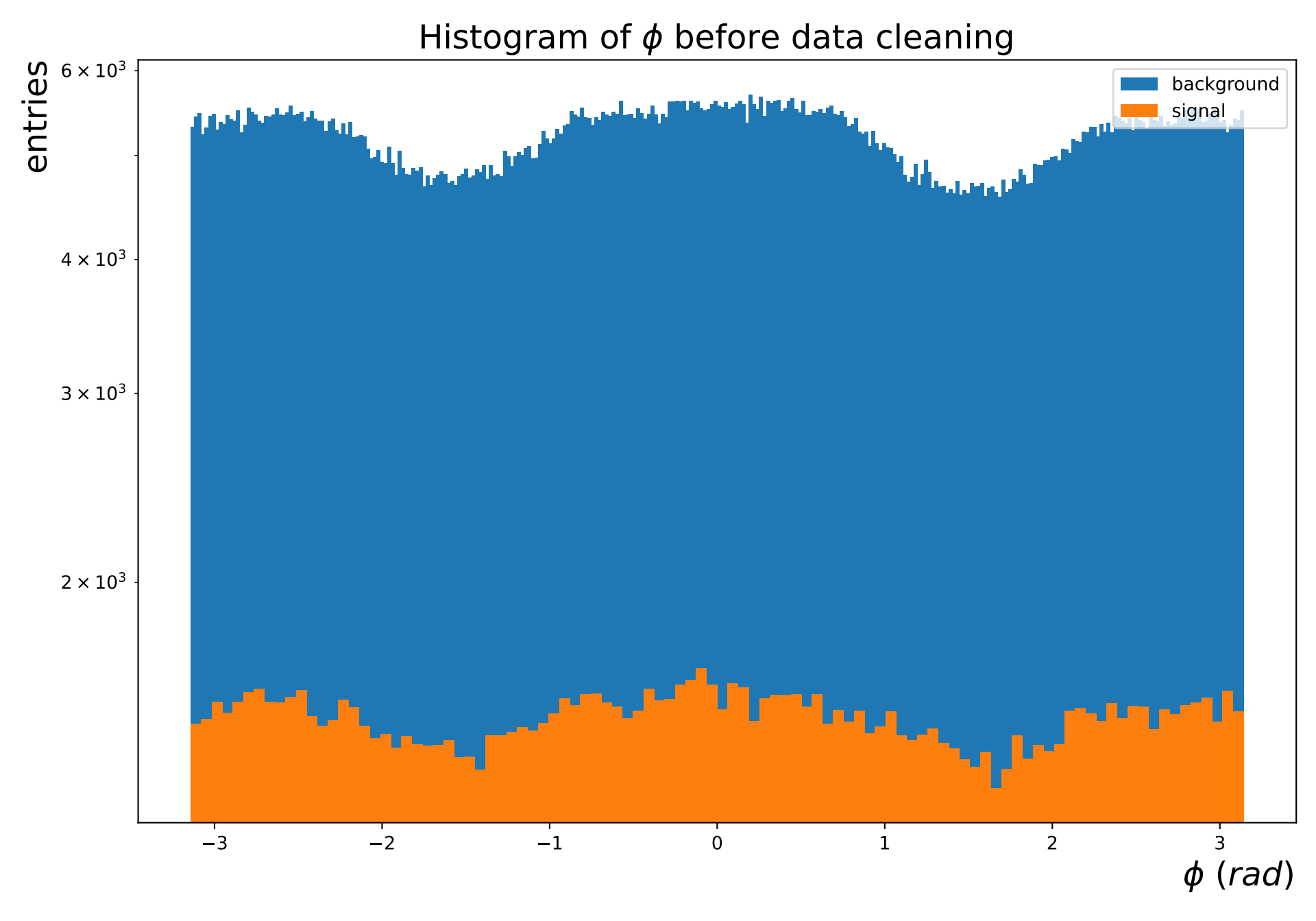

Histogram of l before data cleaning
entries
background
signal
10^6
10^5
10^4
10^3
10^2
10^1
10^0
−1000
−500
0
500
1000
1500
l (cm)

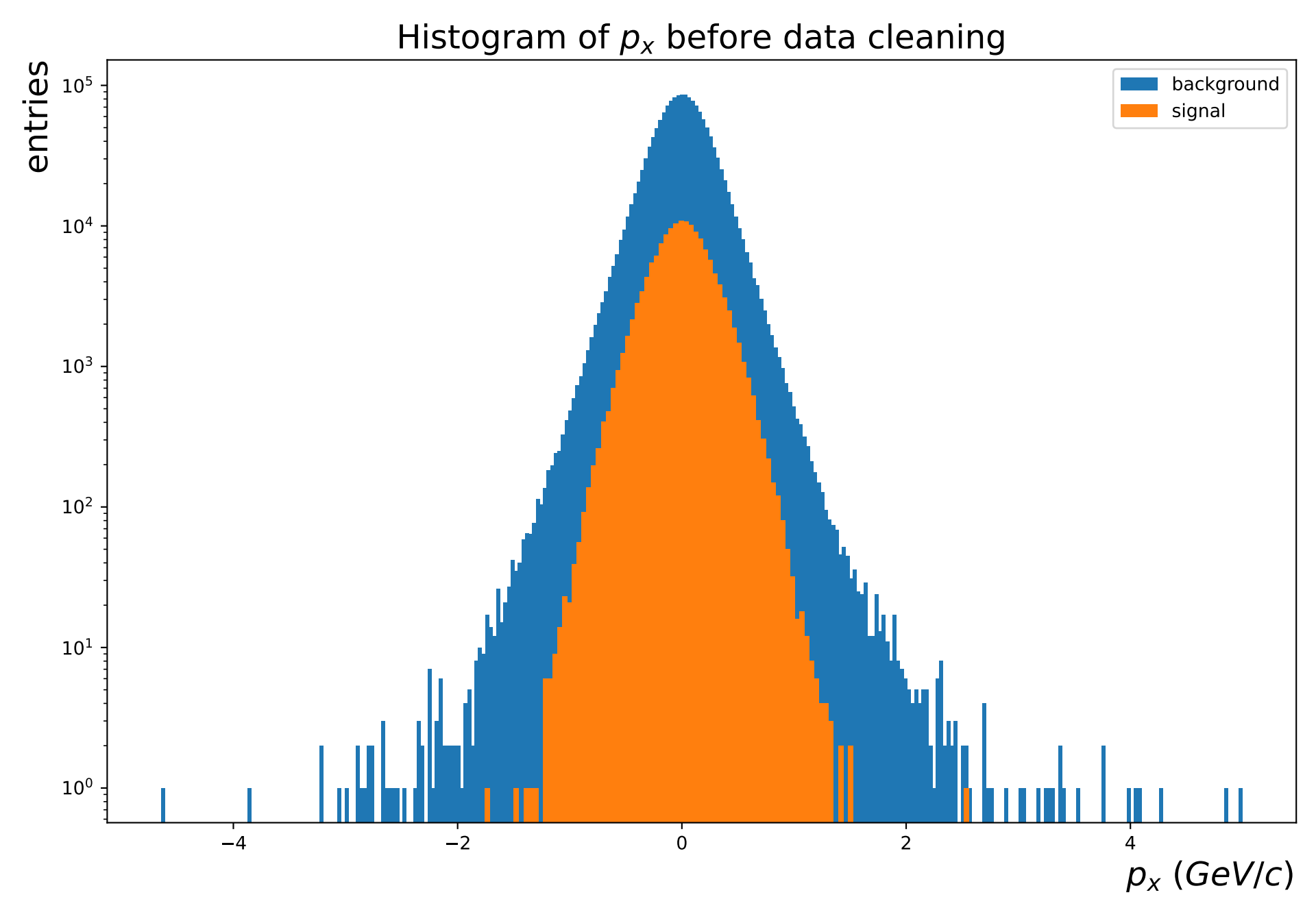

Histogram of $\frac{I}{\Delta I}$ before data cleaning
entries
background
signal
10^6
10^5
10^4
10^3
10^2
10^1
10^0
0
25000
50000
75000
100000
125000
150000
175000
$\frac{I}{\Delta I}$

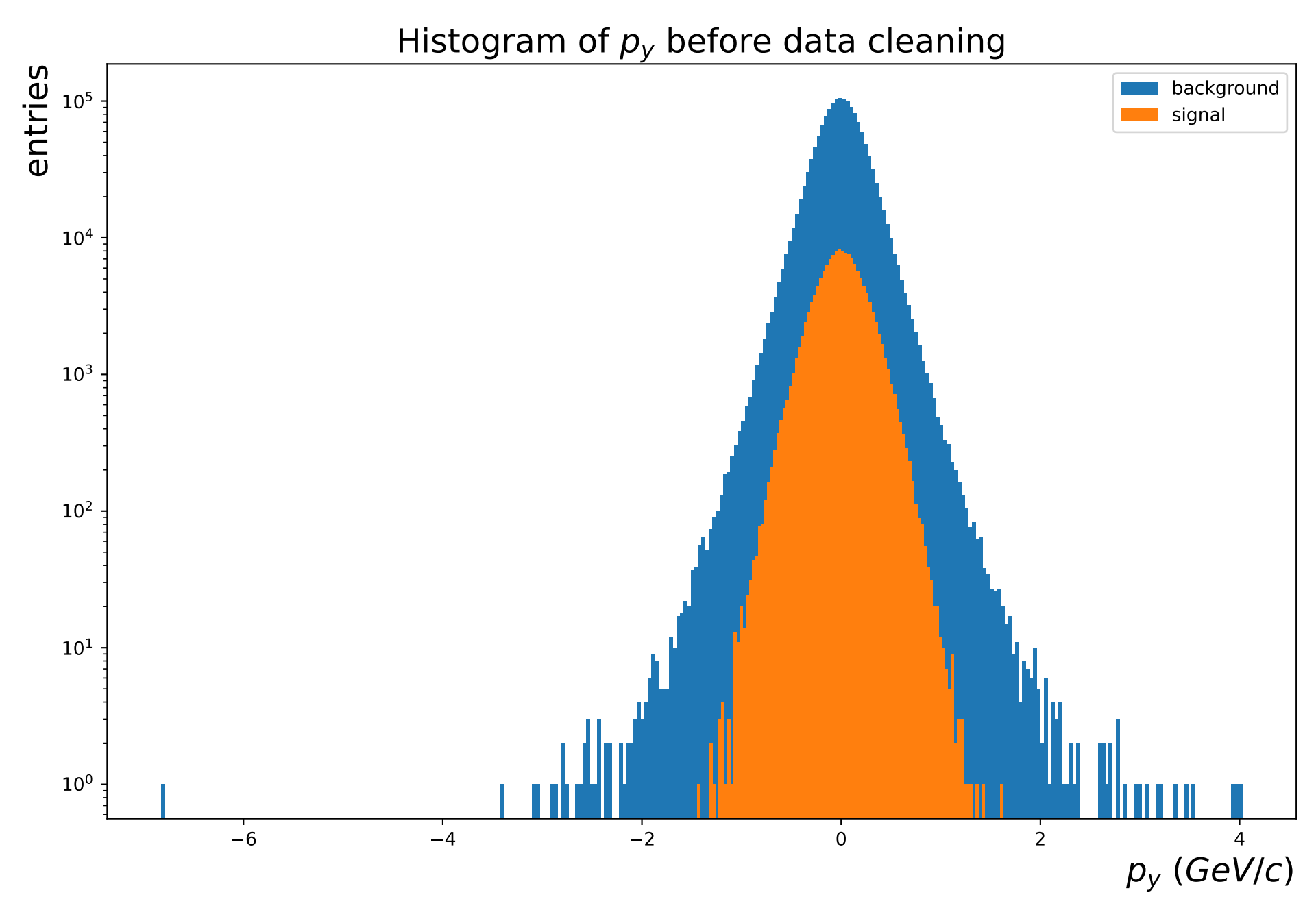

Histogram of invariant mass before data cleaning
entries
10^5
10^4
10^3
10^2
10^1
10^0
background
signal
0.25
0.50
0.75
1.00
1.25
1.50
1.75
2.00
invariant mass (GeV/c^2)

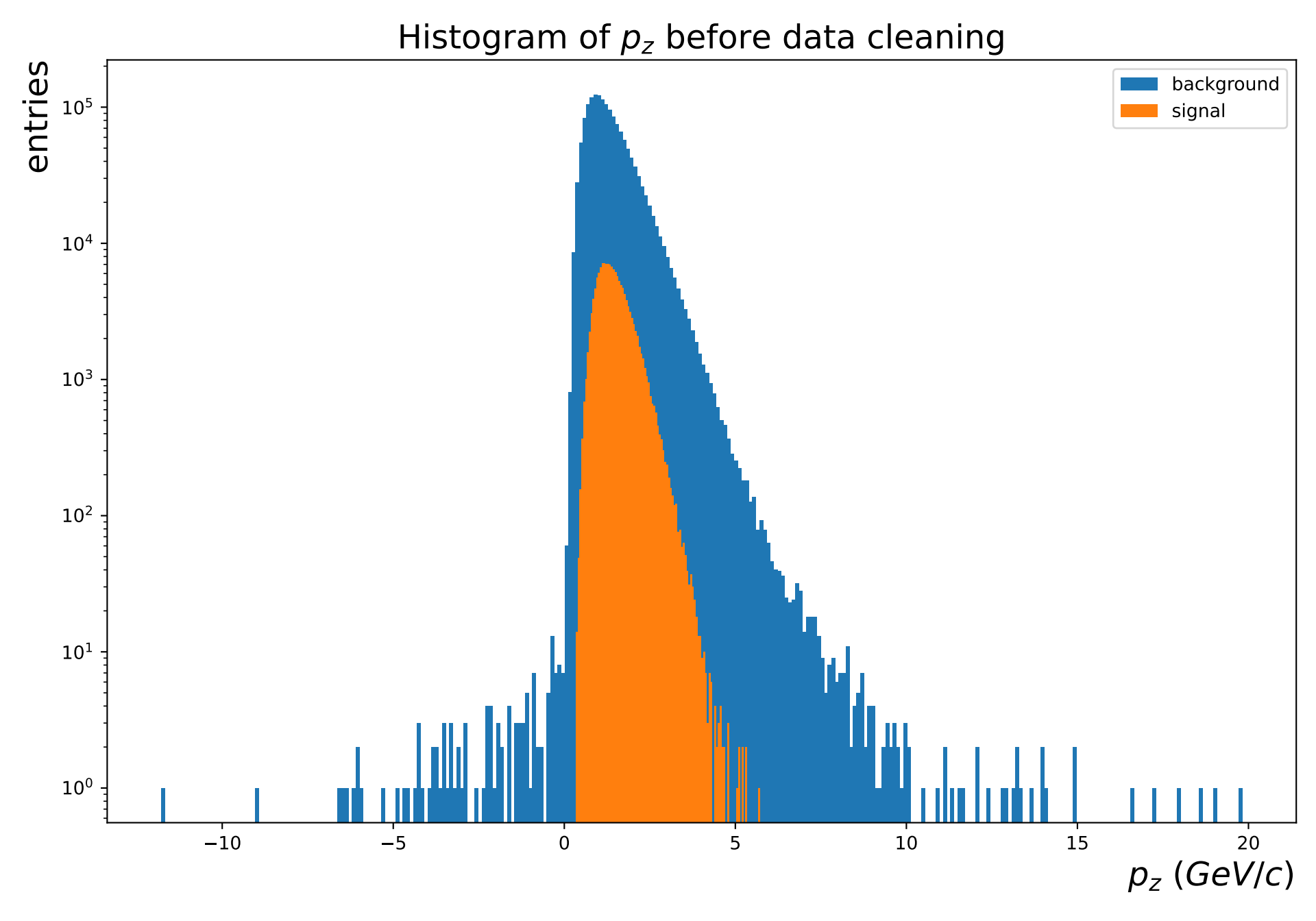

Histogram of p before data cleaning
entries
10^5
10^4
10^3
10^2
10^1
10^0
background
signal
0
5
10
15
20
$p(GeV/c)$

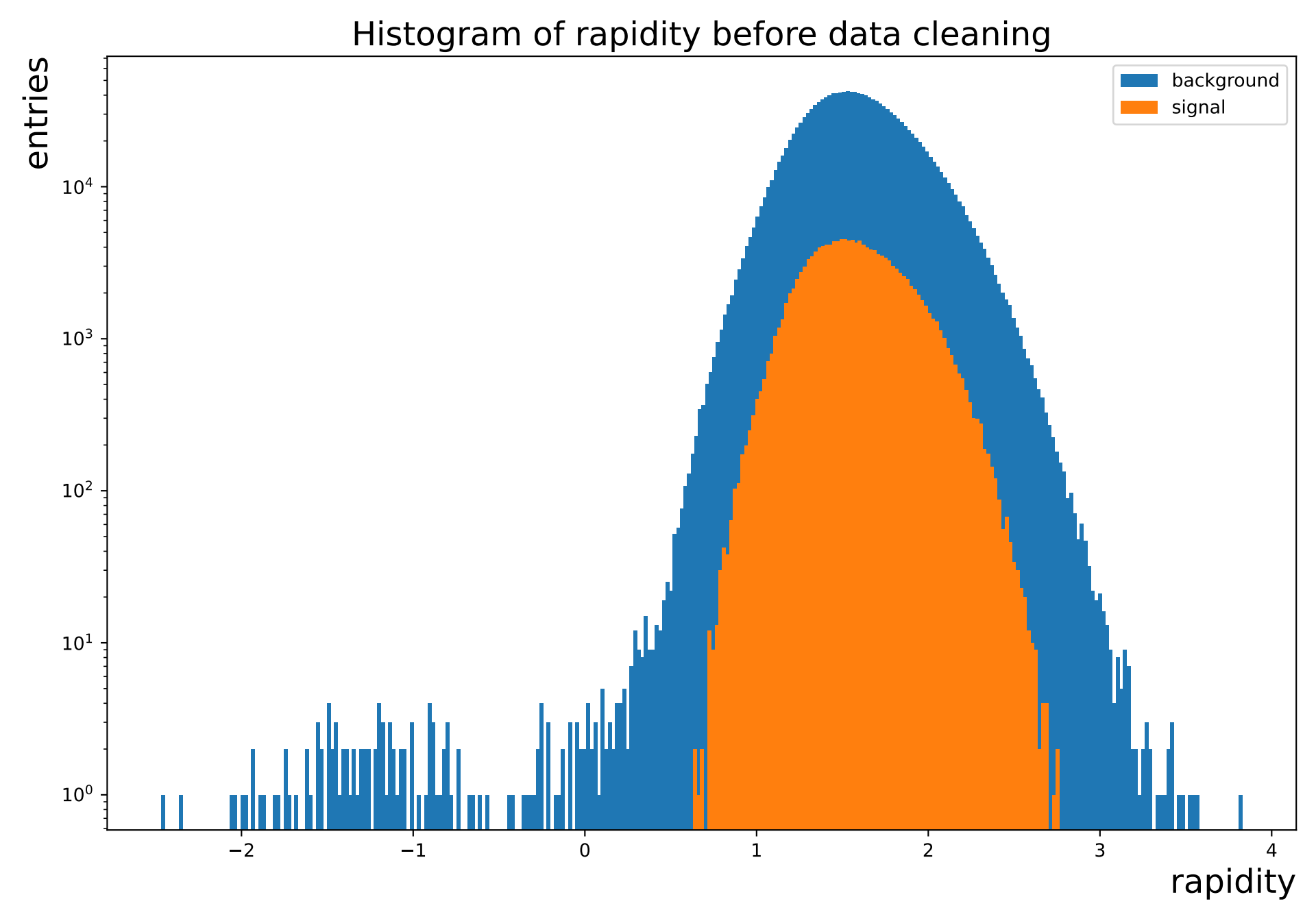

Histogram of pT before data cleaning
entries
background
signal
10^5
10^4
10^3
10^2
10^1
10^0
0
1
2
3
4
5
6
7
pT (GeV/c)

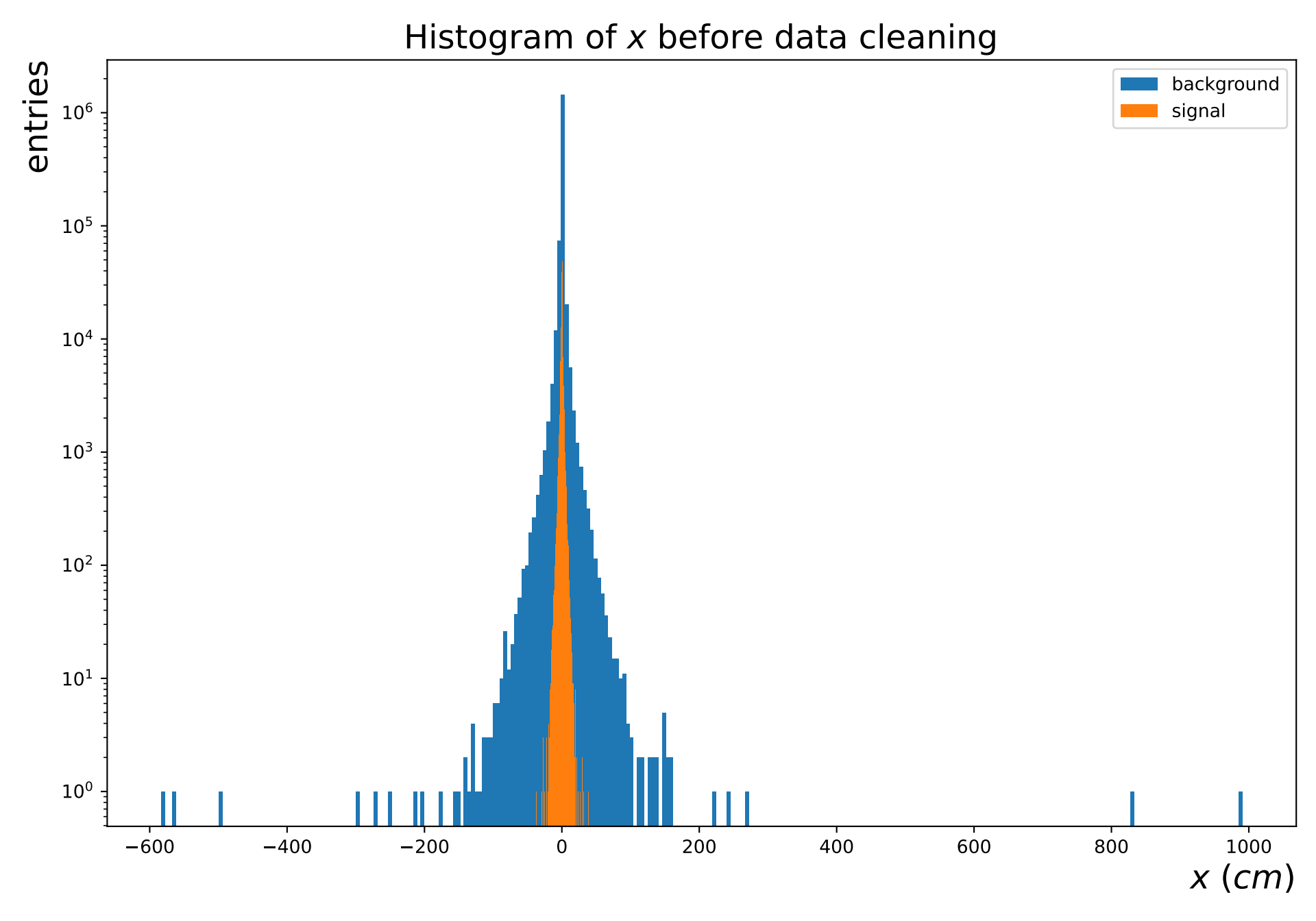

Histogram of ϕ before data cleaning
entries
6×10^3
4×10^3
3×10^3
2×10^3
background
signal
−3
−2
−1
0
1
2
3
ϕ (rad)

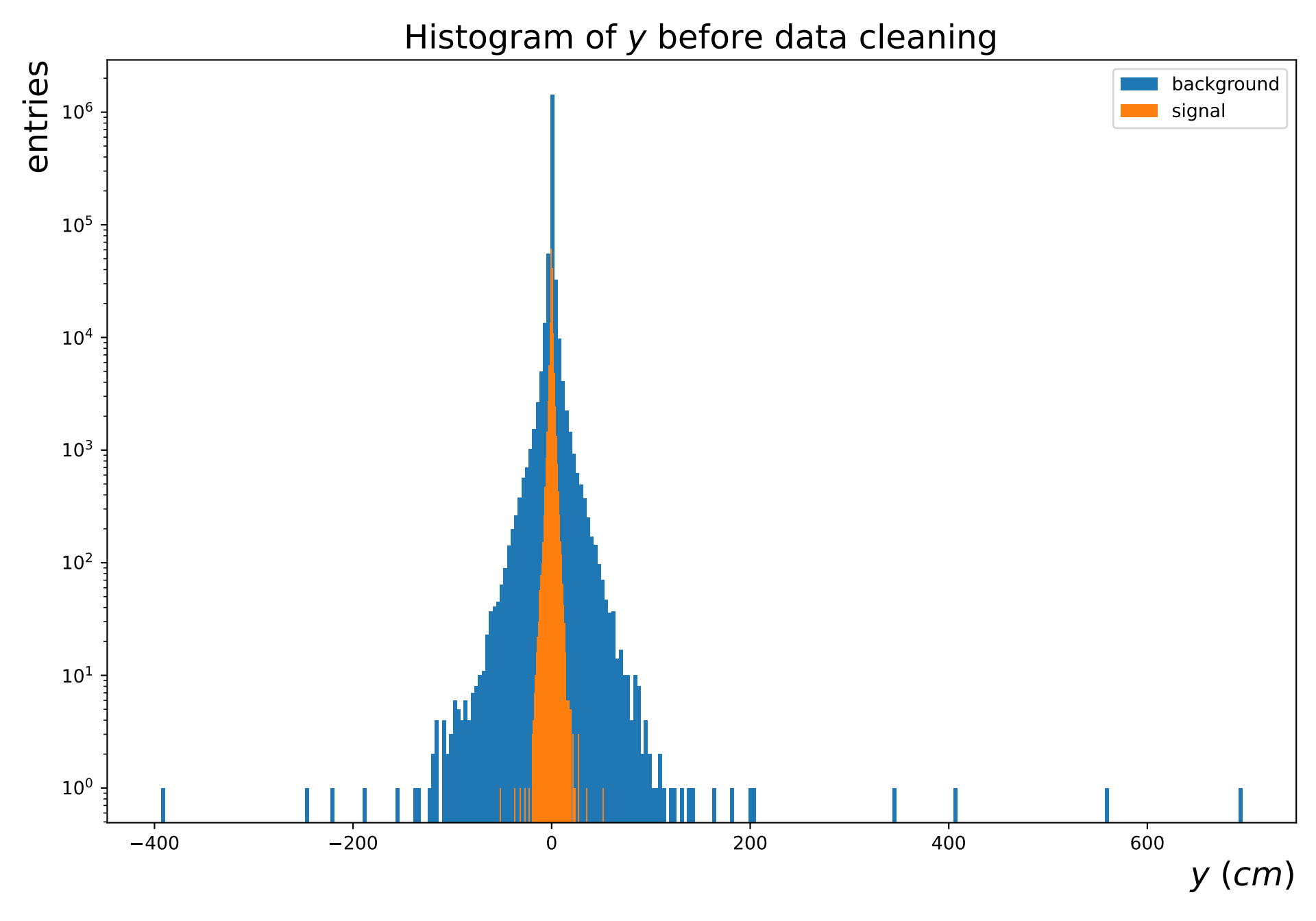

Histogram of p_x before data cleaning
entries
10^5
10^4
10^3
10^2
10^1
10^0
background
signal
−4
−2
0
2
4
p_x (GeV/c)

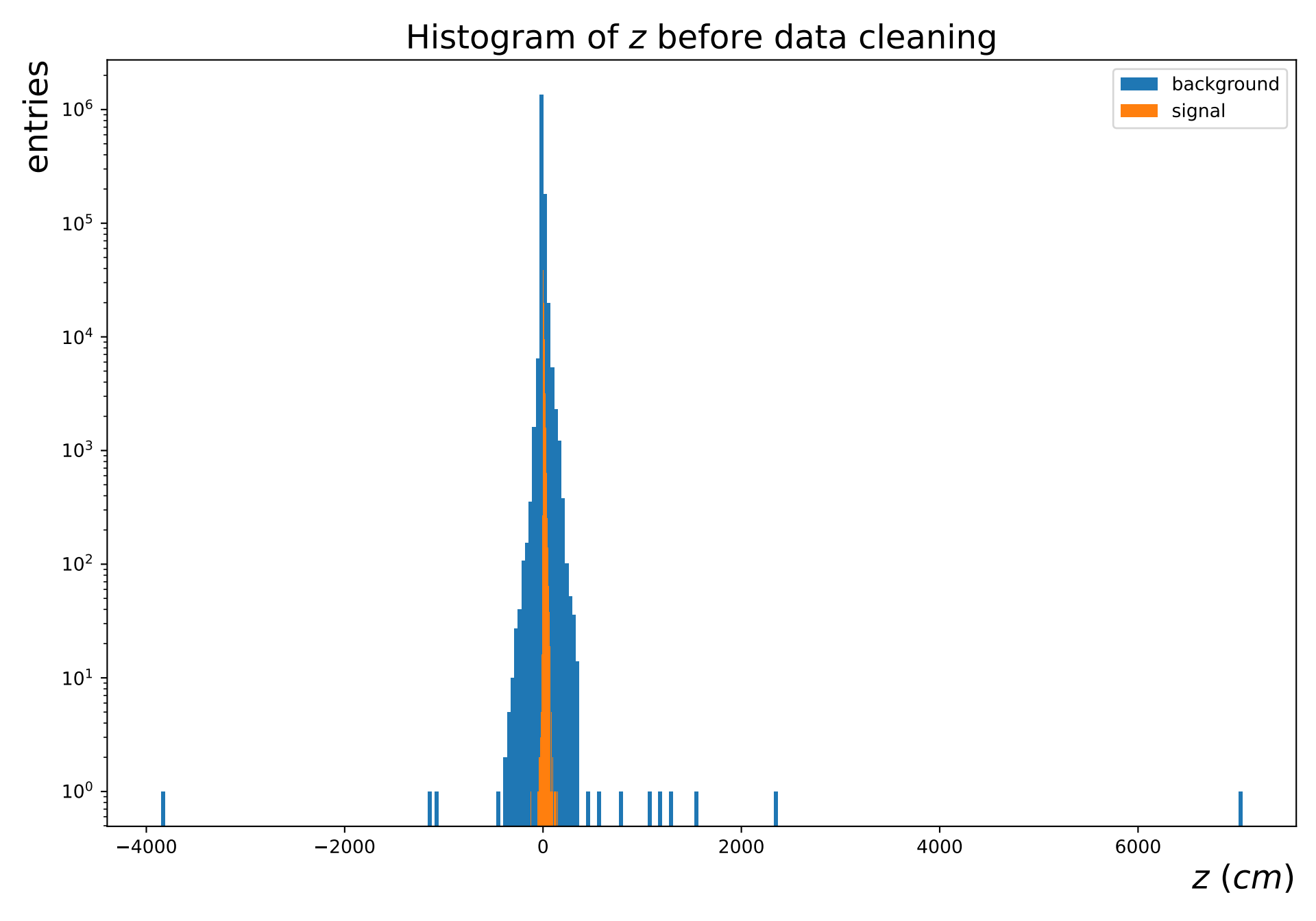

Histogram of p_y before data cleaning
entries
10^5
10^4
10^3
10^2
10^1
10^0
background
signal
−6
−4
−2
0
2
4
p_y (GeV/c)


Histogram of p_z before data cleaning
entries
10^5
10^4
10^3
10^2
10^1
10^0
background
signal
−10
−5
0
5
10
15
20
p_z (GeV/c)


Histogram of rapidity before data cleaning
entries
rapidity
background
signal
10^4
10^3
10^2
10^1
10^0
−2
−1
0
1
2
3
4


Histogram of x before data cleaning
entries
10^6
10^5
10^4
10^3
10^2
10^1
10^0
background
signal
−600
−400
−200
0
200
400
600
800
1000
x (cm)


Histogram of y before data cleaning
entries
10^6
10^5
10^4
10^3
10^2
10^1
10^0
background
signal
−400
−200
0
200
400
600
y (cm)


Histogram of z before data cleaning
entries
10^6
10^5
10^4
10^3
10^2
10^1
10^0
background
signal
−4000
−2000
0
2000
4000
6000
z (cm)