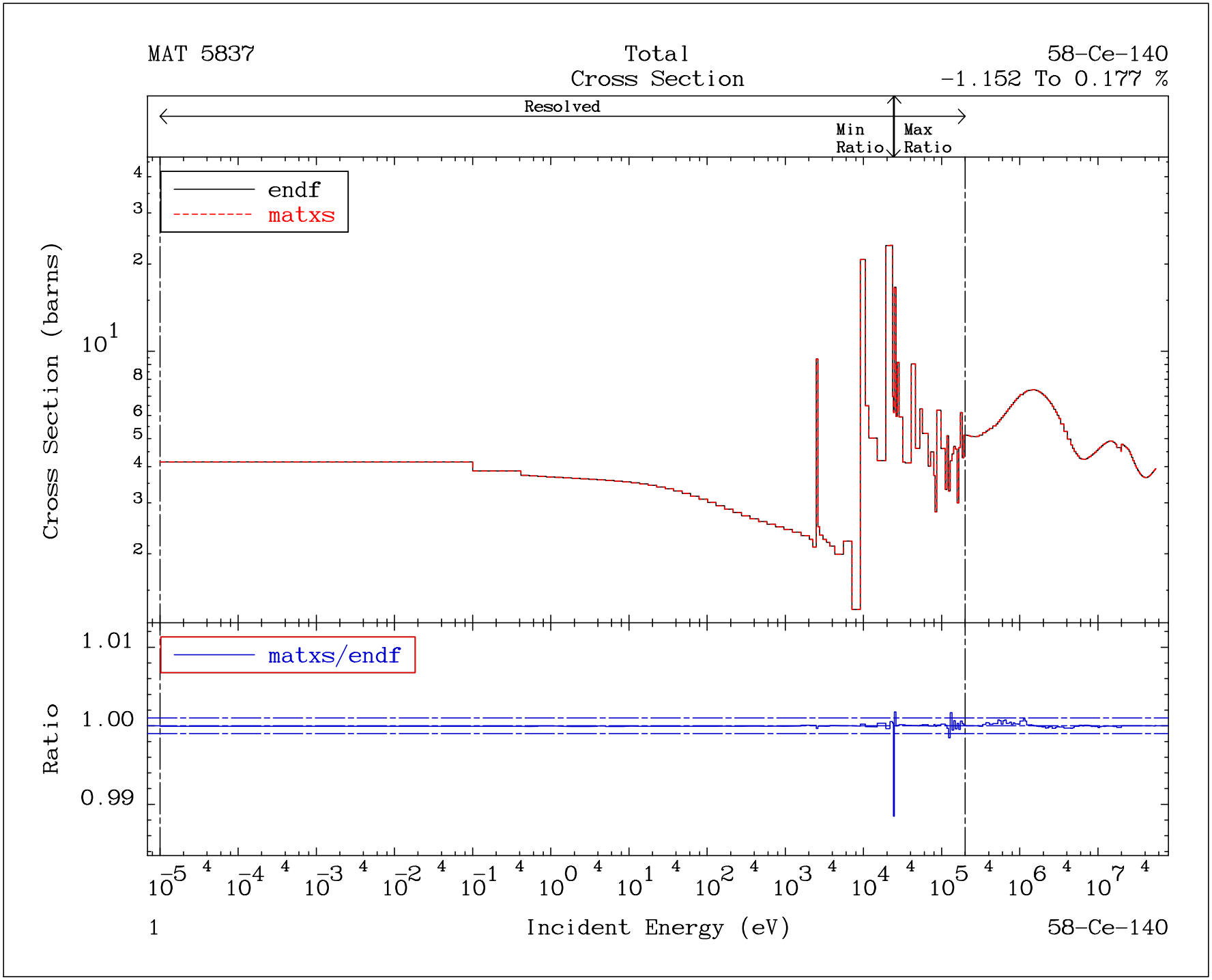
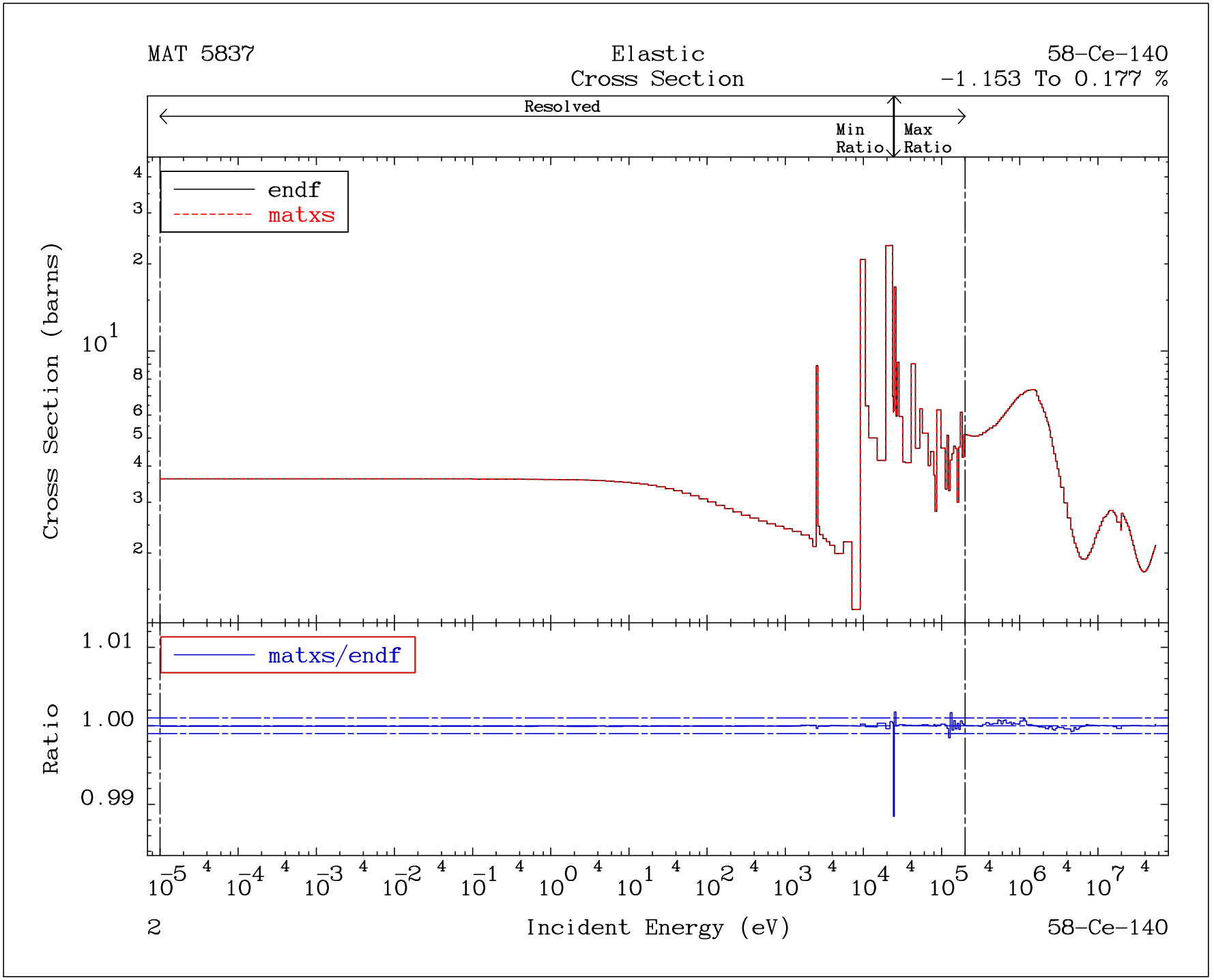
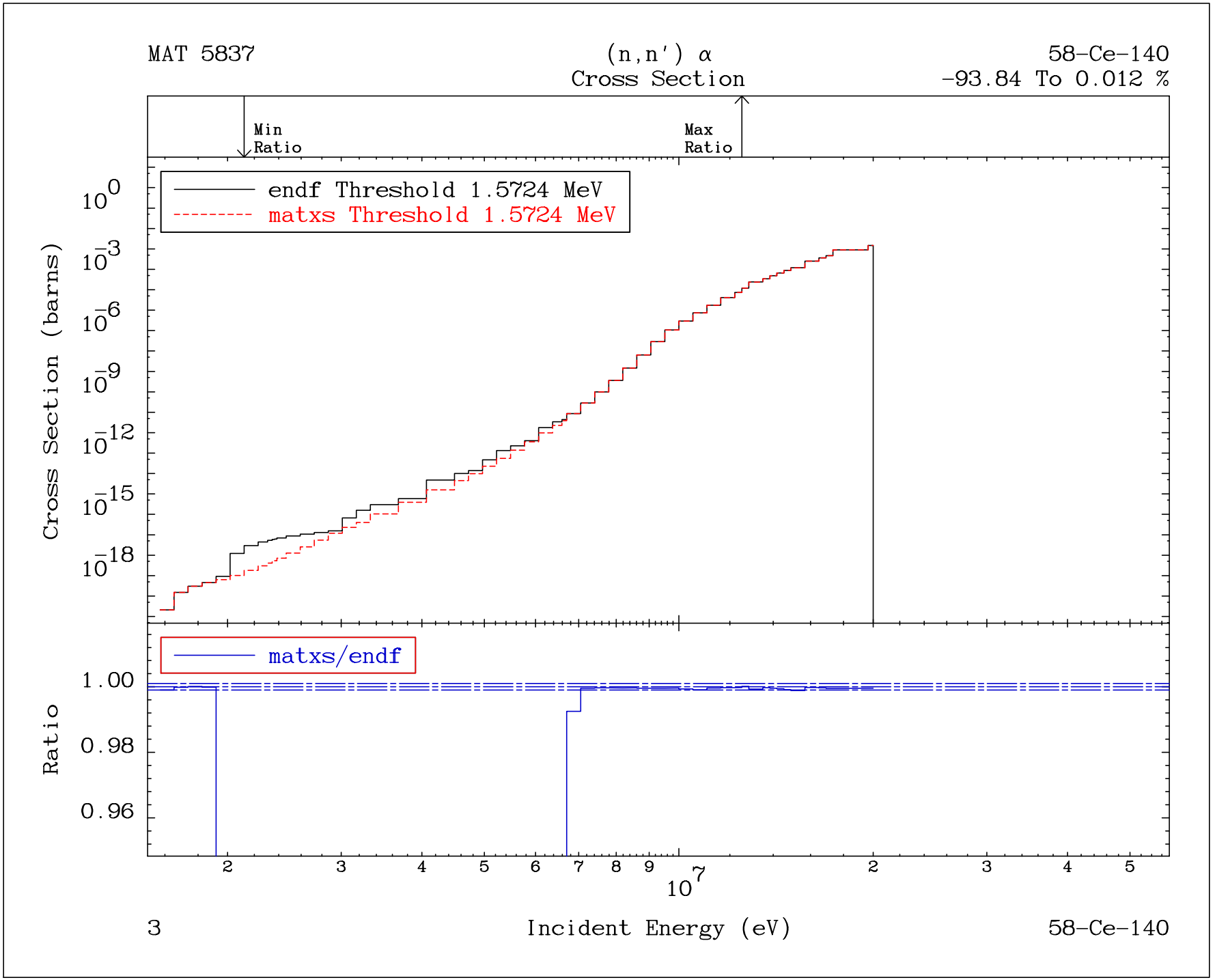
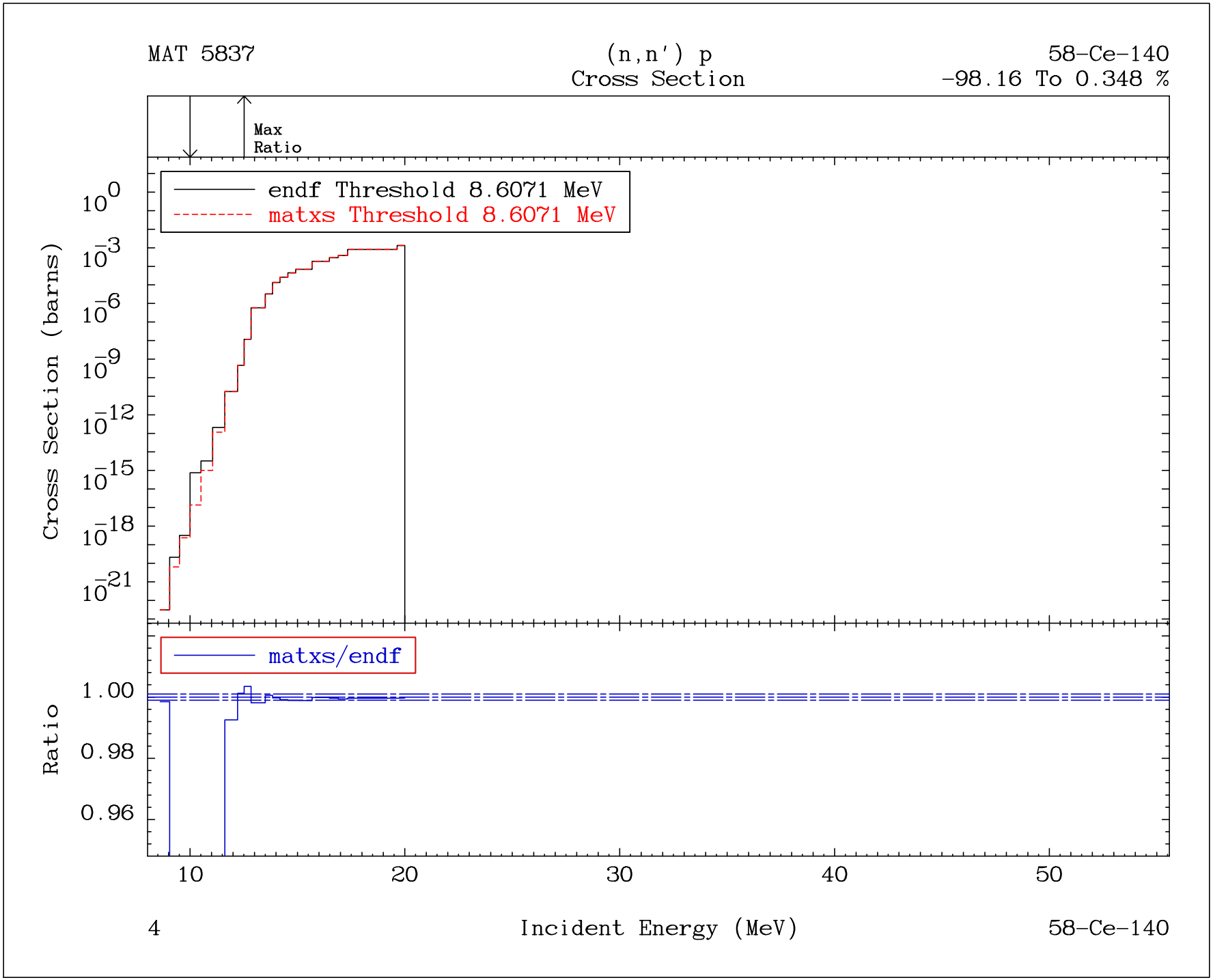
Program Complot
(Version 2015-2)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

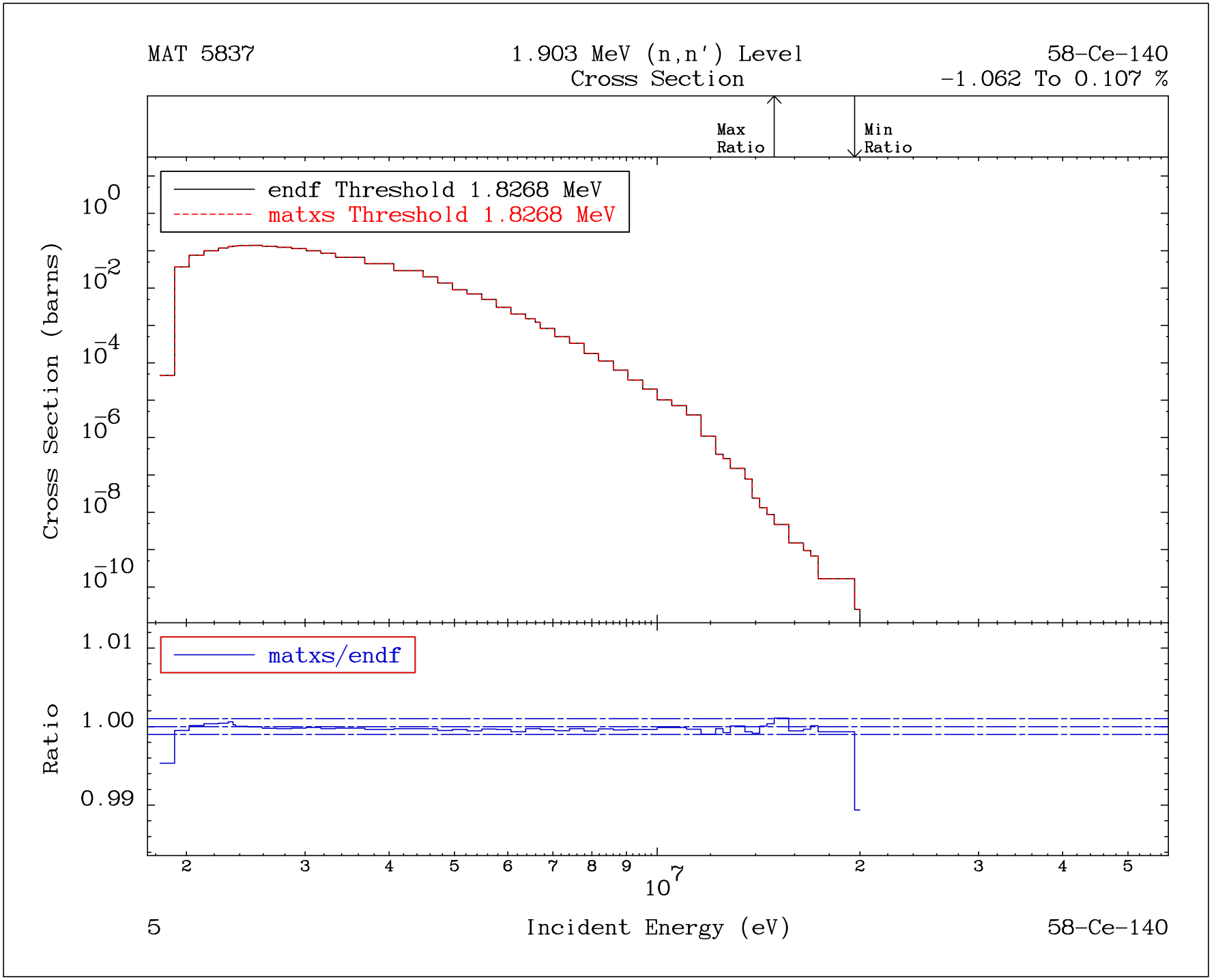
Press Mouse Button to Start

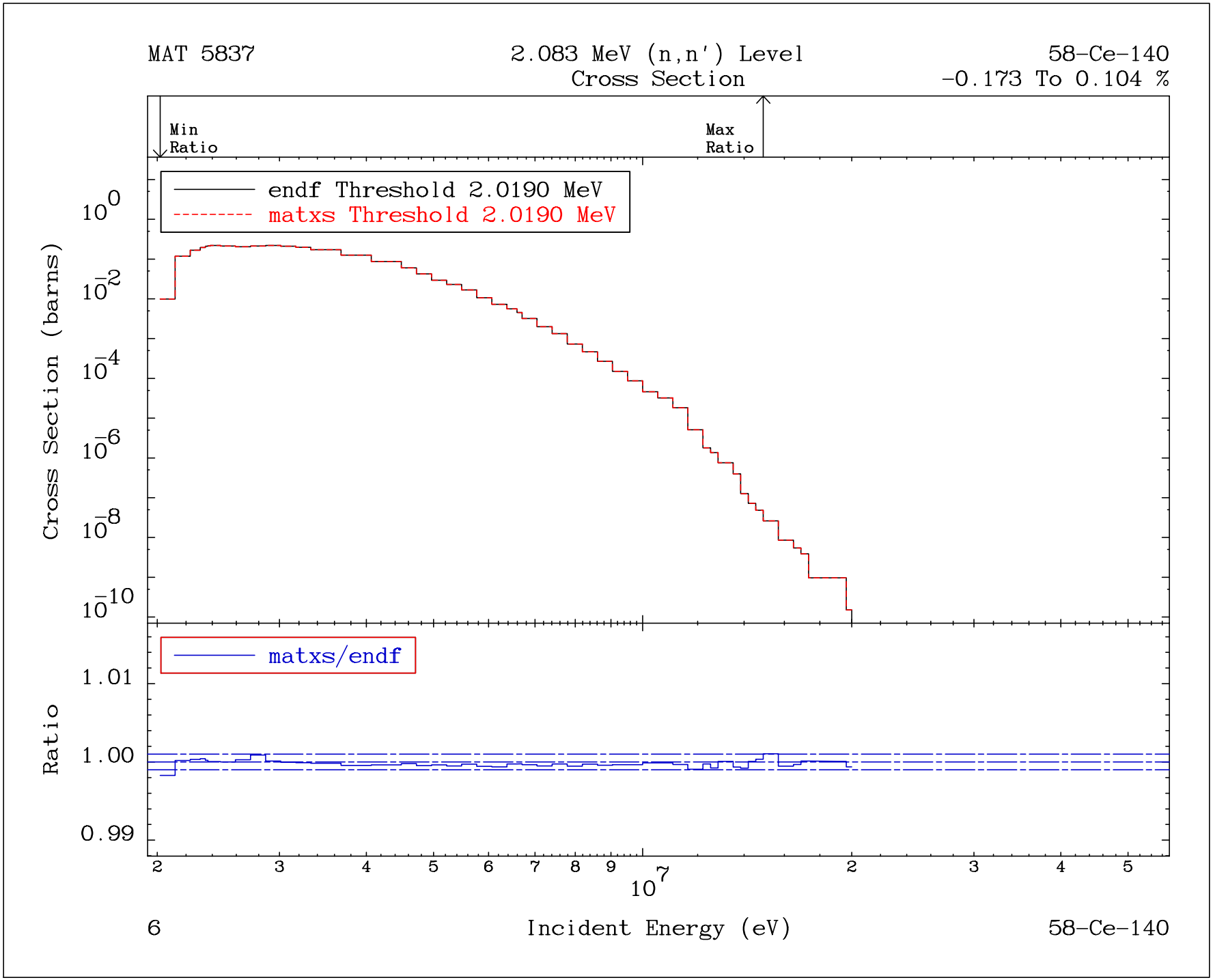

MAT 5837
Total
Cross Section
58-Ce-140
-1.152 To 0.177 %
Resolved
Min Ratio
Max Ratio
endf
matxs
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
58-Ce-140

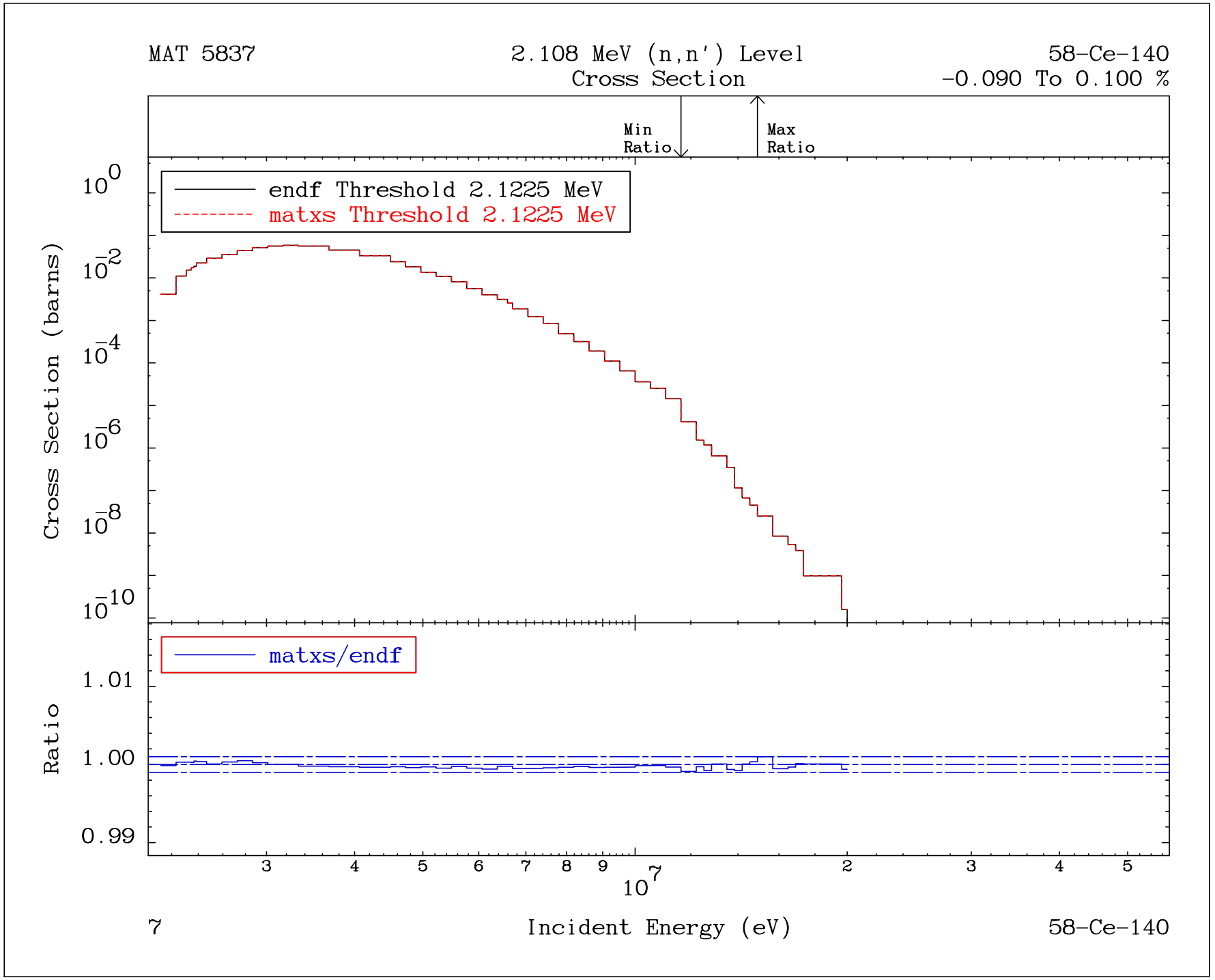

MAT 5837
Elastic
Cross Section
58-Ce-140
-1.153 To 0.177 %
Resolved
Min Ratio
Max Ratio
endf
matxs
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
58-Ce-140
2

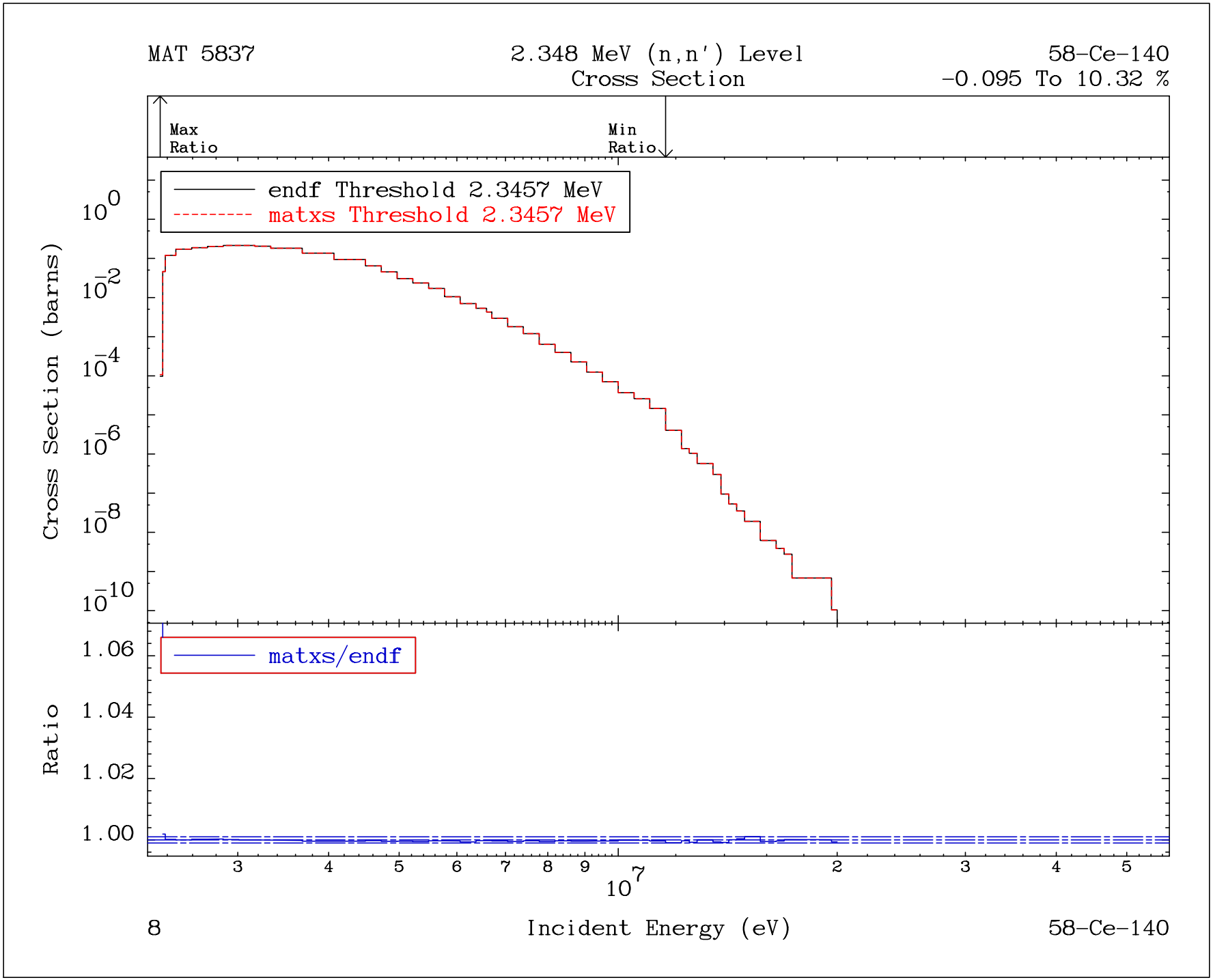

MAT 5837
(n,n') α
Cross Section
58-Ce-140
-93.84 To 0.012 %
Min Ratio
Max Ratio
endf Threshold 1.5724 MeV
matxs Threshold 1.5724 MeV
Cross Section (barns)
10^0
10^-3
10^-6
10^-9
10^-12
10^-15
10^-18
matxs/endf
Ratio
1.00
0.98
0.96
2
3
4
5
6
7
8
9
10^7
2
3
4
5
3
Incident Energy (eV)
58-Ce-140

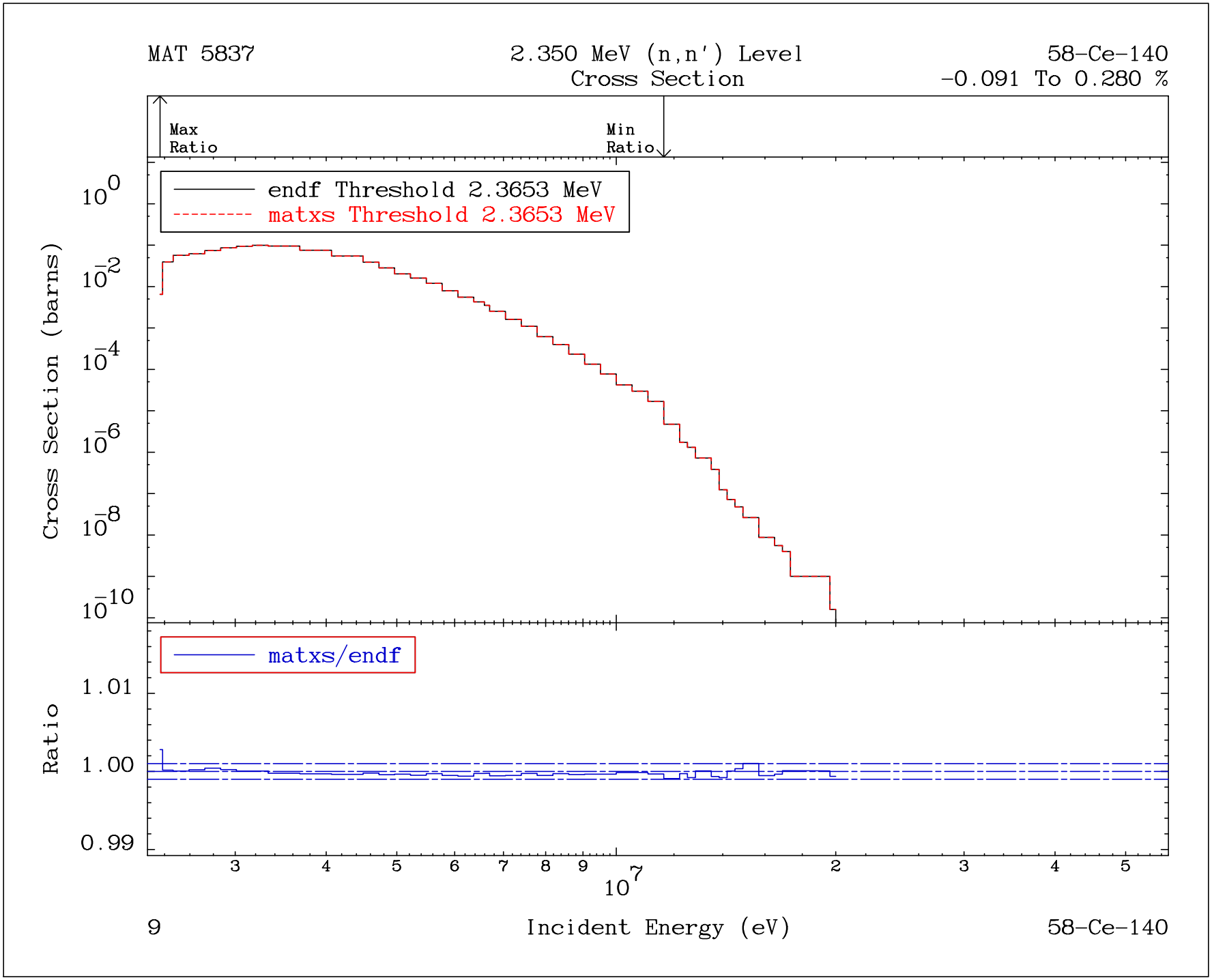

MAT 5837
(n,n') p
Cross Section
58-Ce-140
-98.16 To 0.348 %
Max
Ratio
endf Threshold 8.6071 MeV
matxs Threshold 8.6071 MeV
Cross Section (barns)
10^0
10^-3
10^-6
10^-9
10^-12
10^-15
10^-18
10^-21
matxs/endf
Ratio
1.00
0.98
0.96
10
20
30
40
50
4
Incident Energy (MeV)
58-Ce-140

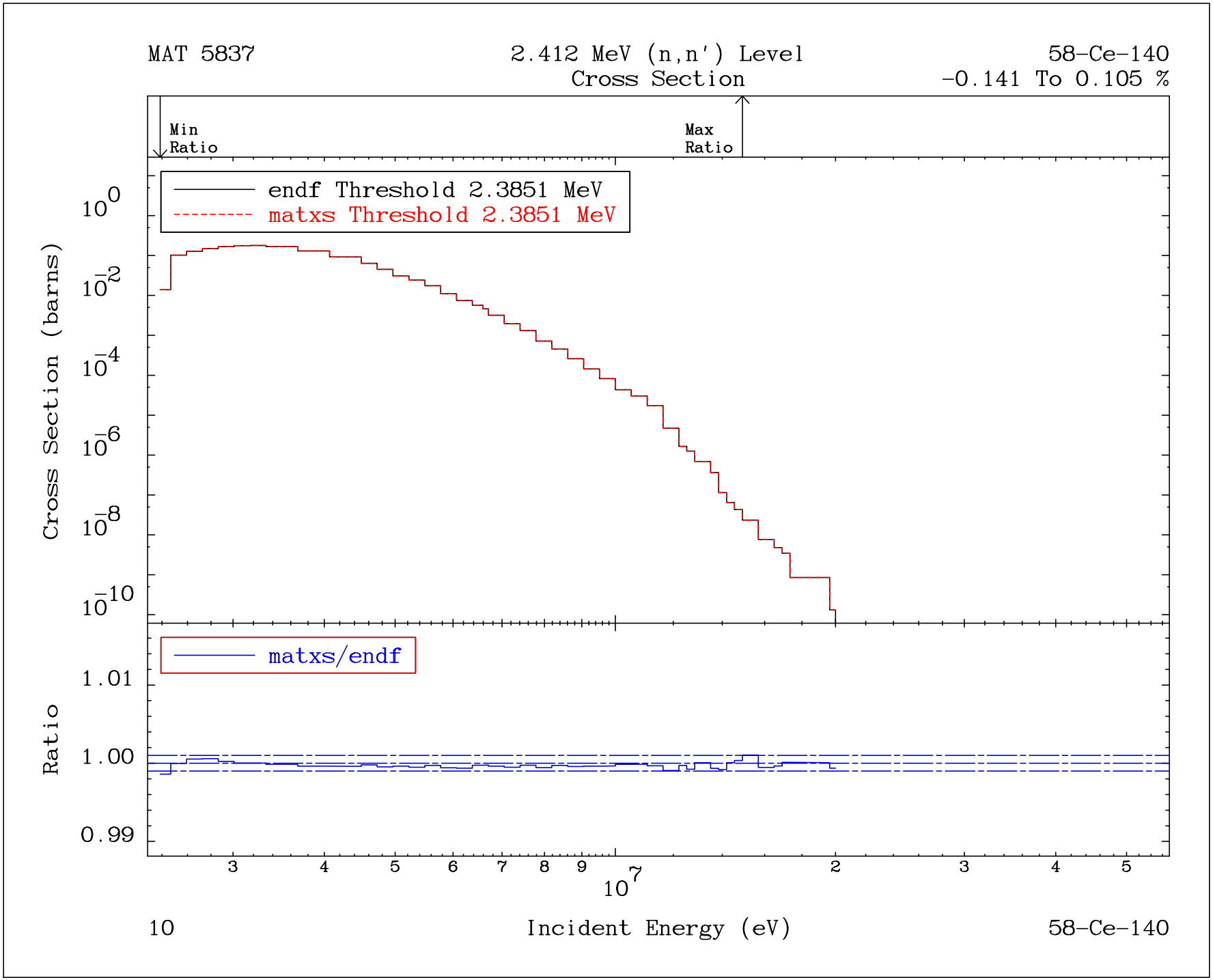

MAT 5837
1.903 MeV (n,n') Level
Cross Section
58-Ce-140
-1.062 To 0.107 %
Max Ratio
Min Ratio
endf Threshold 1.8268 MeV
matxs Threshold 1.8268 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
5
58-Ce-140

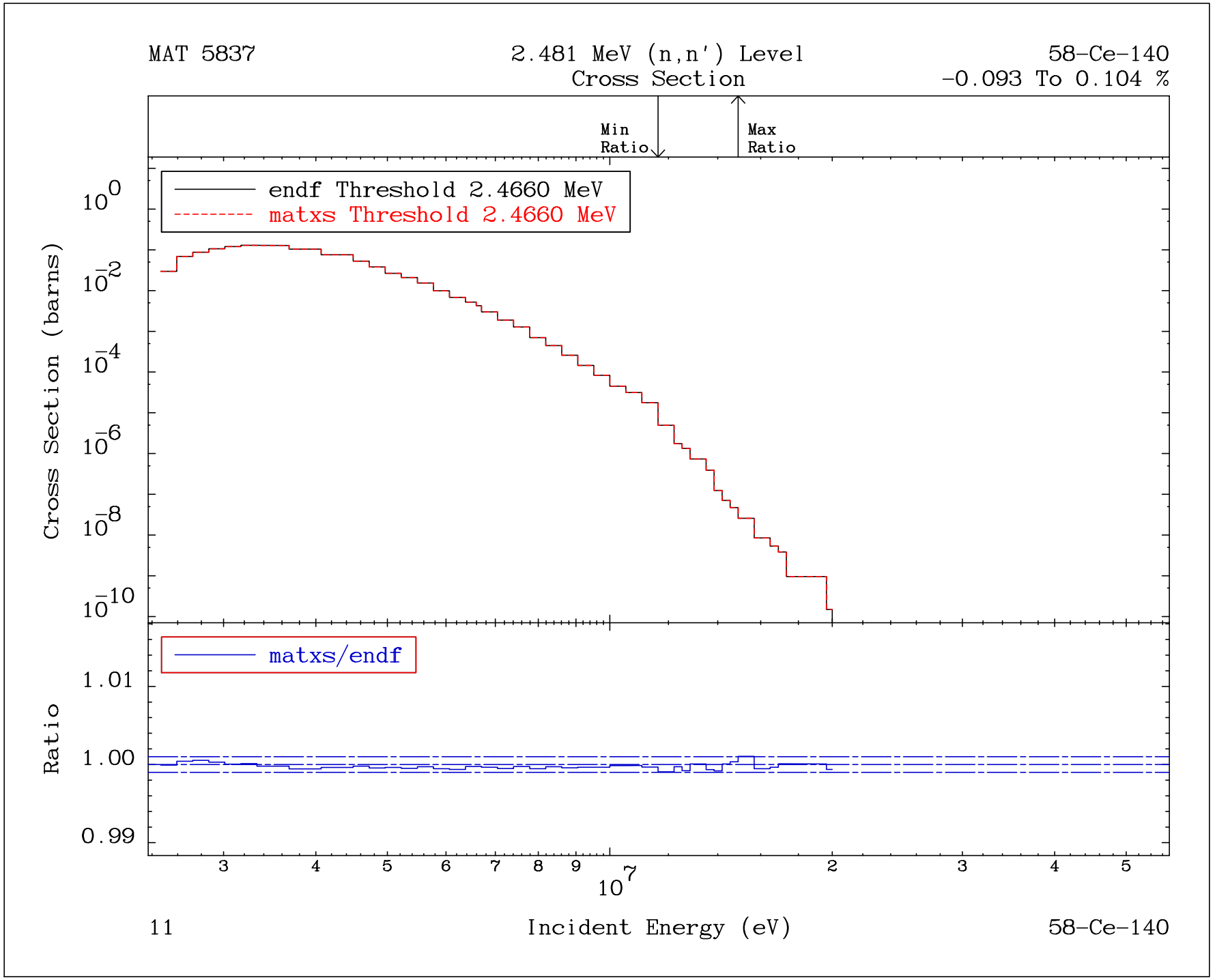

MAT 5837
2.083 MeV (n,n') Level
Cross Section
58-Ce-140
-0.173 To 0.104 %
Min Ratio
Max Ratio
endf Threshold 2.0190 MeV
matxs Threshold 2.0190 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
6
58-Ce-140

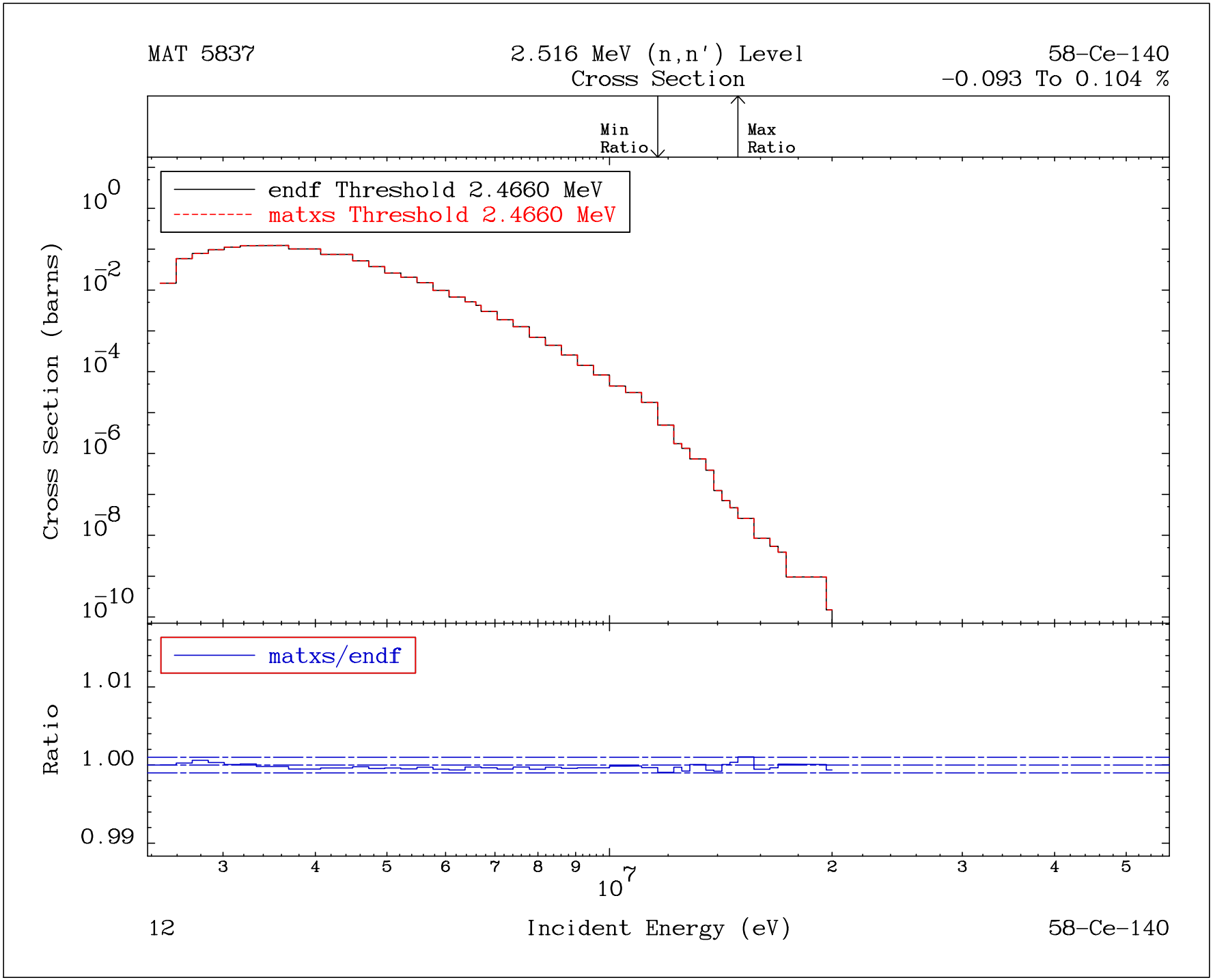

MAT 5837
2.108 MeV (n,n') Level
Cross Section
58-Ce-140
-0.090 To 0.100 %
Min Ratio
Max Ratio
endf Threshold 2.1225 MeV
matxs Threshold 2.1225 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
58-Ce-140

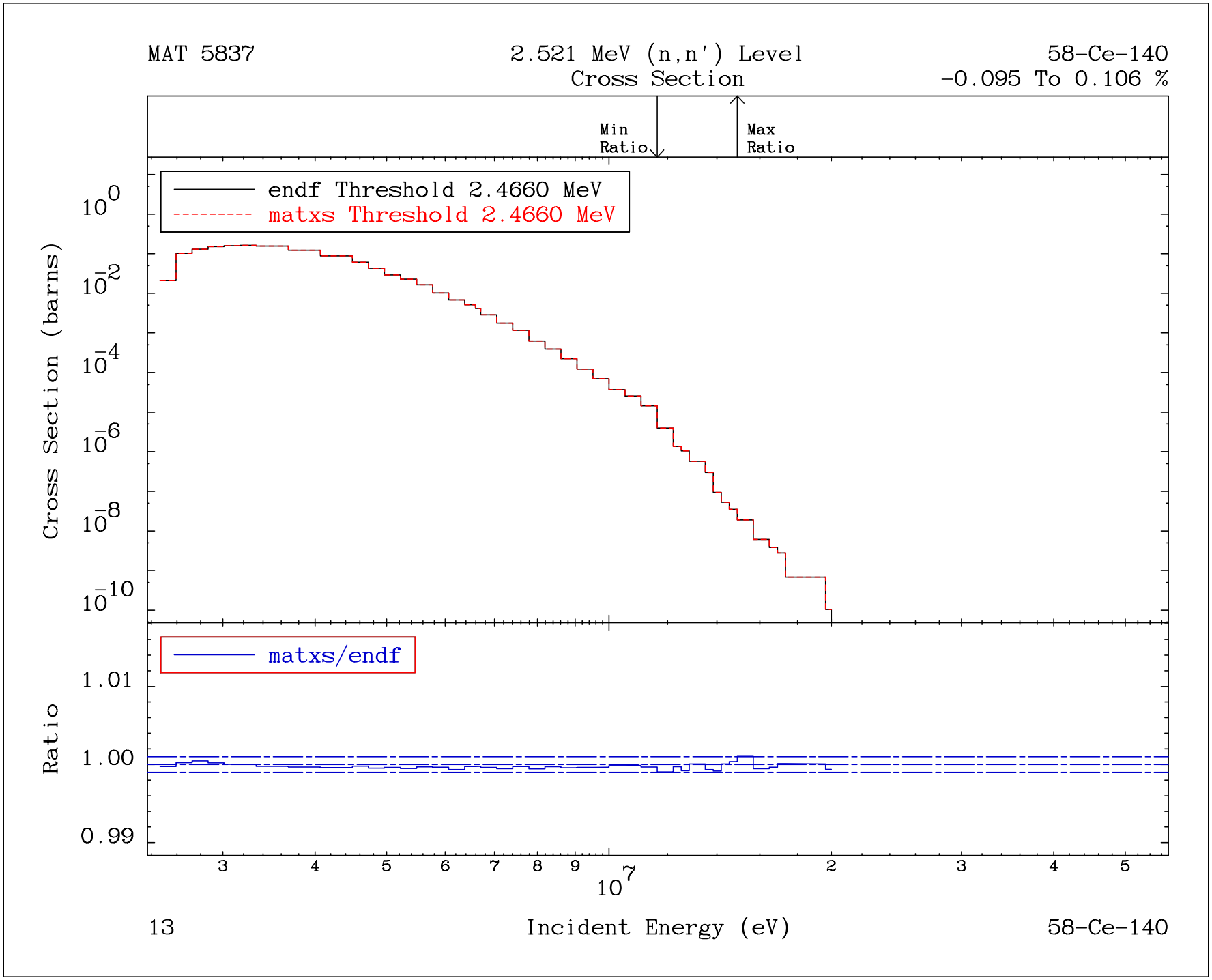

MAT 5837
2.348 MeV (n,n') Level
Cross Section
58-Ce-140
-0.095 To 10.32 %
Max Ratio
Min Ratio
endf Threshold 2.3457 MeV
matxs Threshold 2.3457 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
8
58-Ce-140

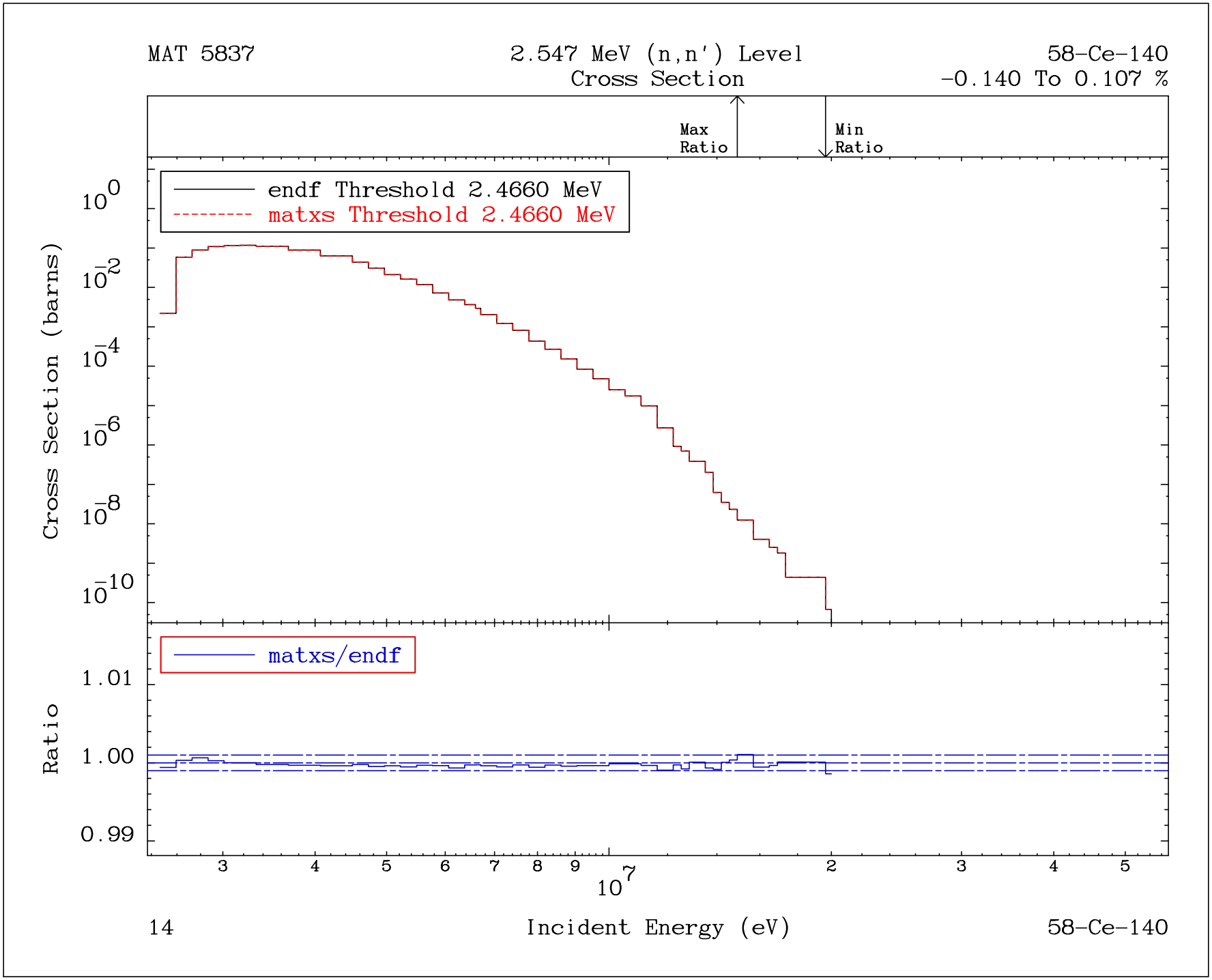

MAT 5837
2.350 MeV (n,n') Level
Cross Section
58-Ce-140
-0.091 To 0.280 %
Max Ratio
Min Ratio
endf Threshold 2.3653 MeV
matxs Threshold 2.3653 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
9
58-Ce-140

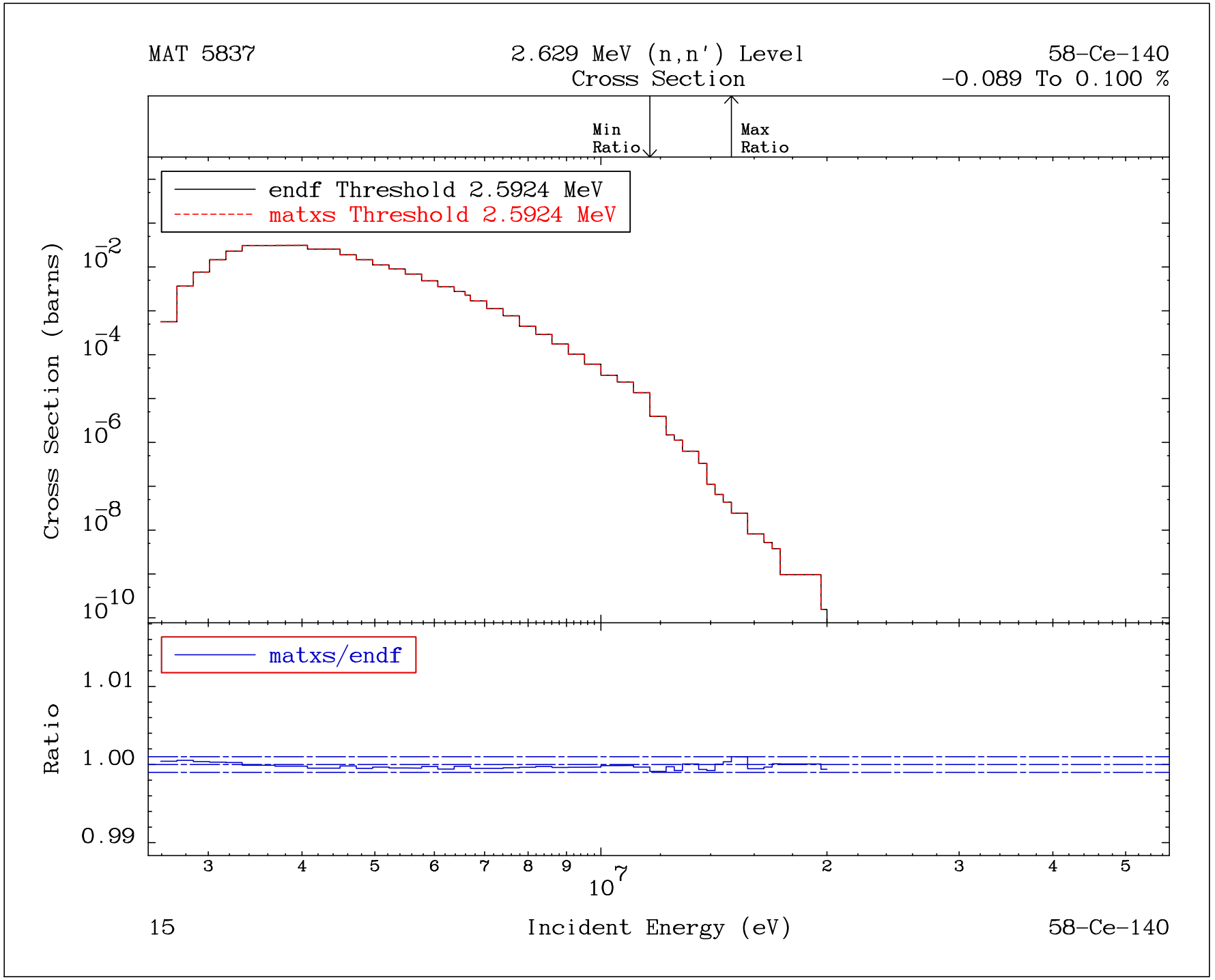

MAT 5837
2.412 MeV (n,n') Level
Cross Section
58-Ce-140
-0.141 To 0.105 %
Min Ratio
Max Ratio
endf Threshold 2.3851 MeV
matxs Threshold 2.3851 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
58-Ce-140

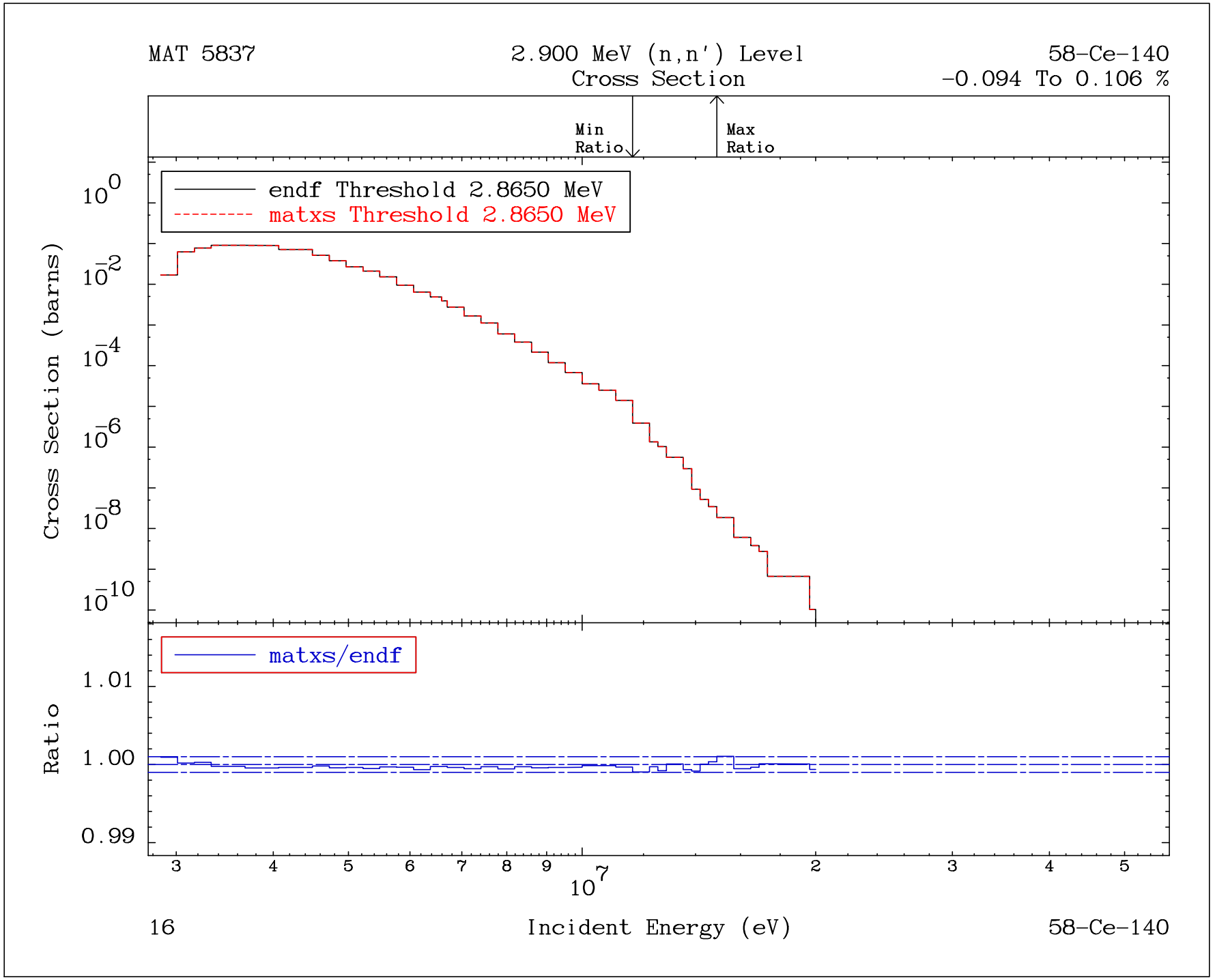

MAT 5837
2.481 MeV (n,n') Level
Cross Section
58-Ce-140
-0.093 To 0.104 %
Min Ratio
Max Ratio
endf Threshold 2.4660 MeV
matxs Threshold 2.4660 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
11
58-Ce-140

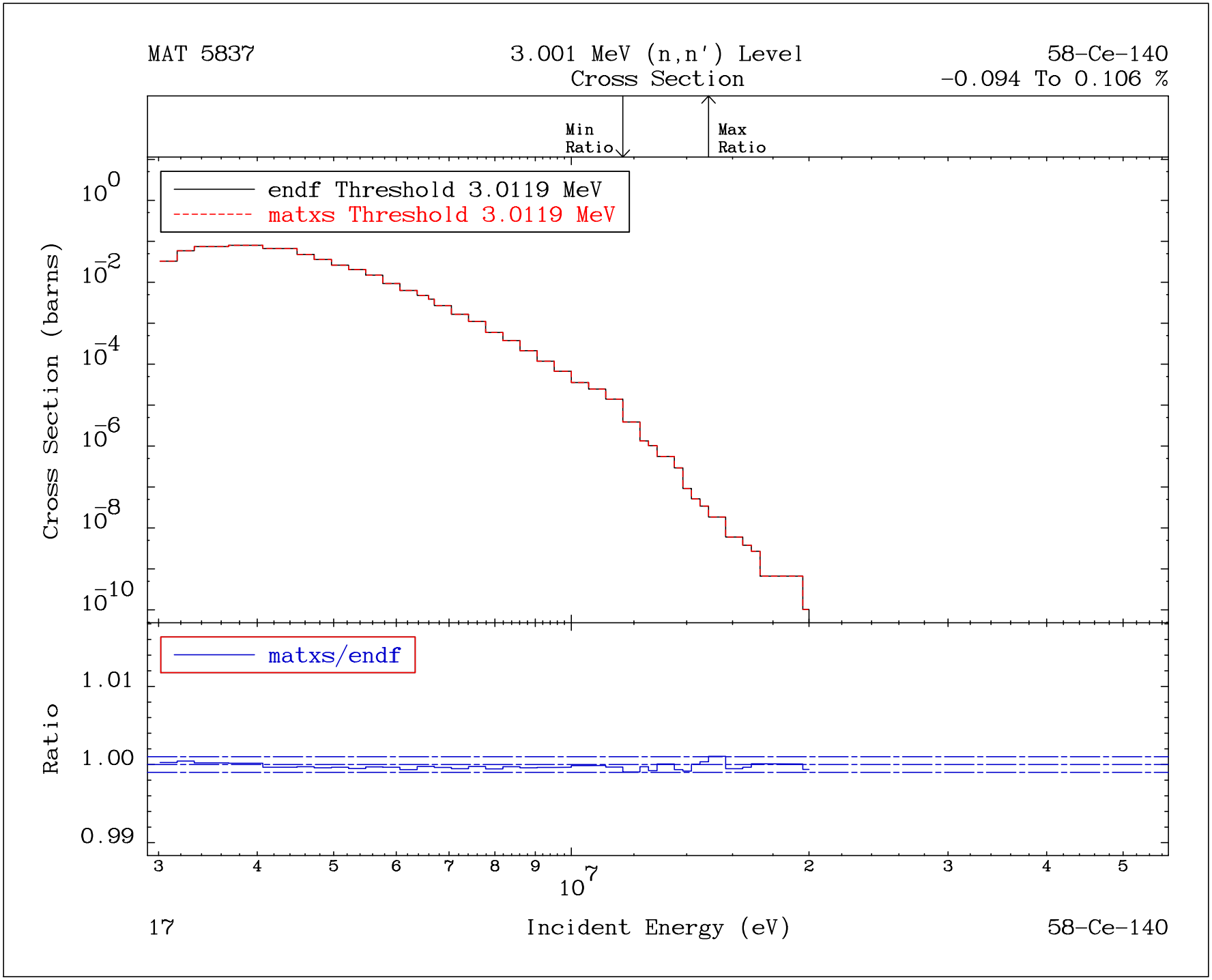

MAT 5837
2.516 MeV (n,n') Level
Cross Section
58-Ce-140
-0.093 To 0.104 %
Min Ratio
Max Ratio
endf Threshold 2.4660 MeV
matxs Threshold 2.4660 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
12
58-Ce-140

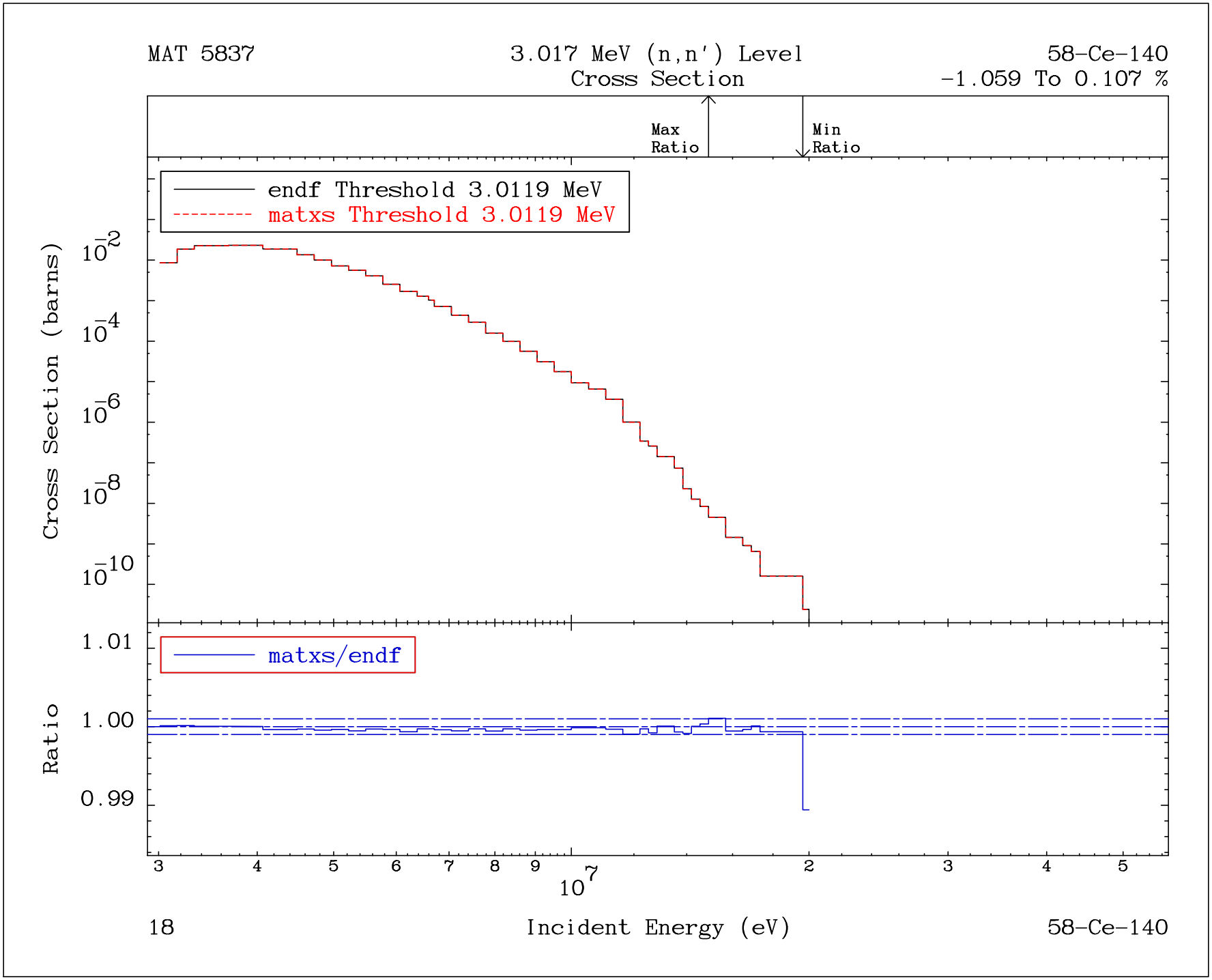

MAT 5837
2.521 MeV (n,n') Level
Cross Section
58-Ce-140
-0.095 To 0.106 %
Min Ratio
Max Ratio
endf Threshold 2.4660 MeV
matxs Threshold 2.4660 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
13
58-Ce-140

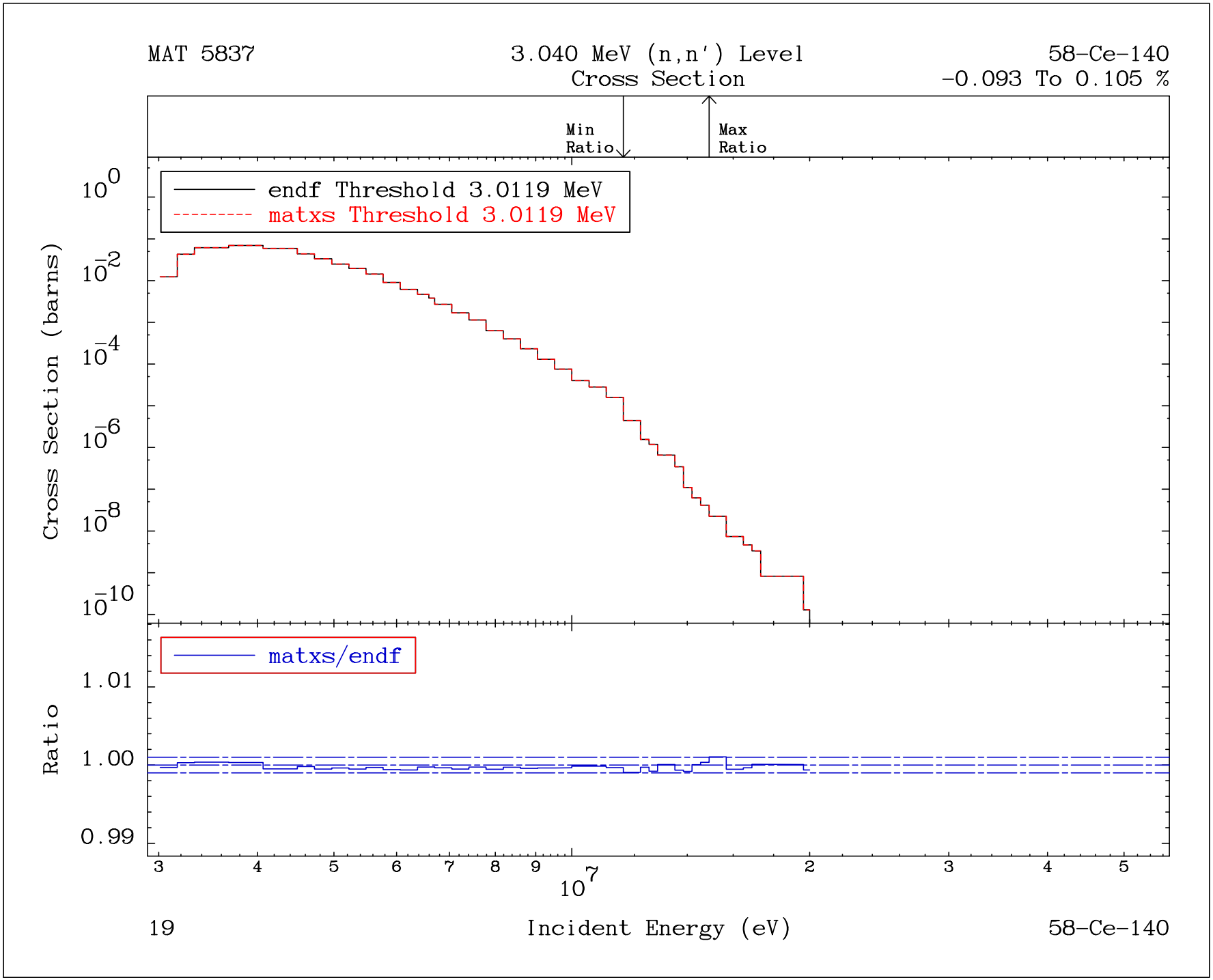

MAT 5837
2.547 MeV (n,n') Level
Cross Section
58-Ce-140
-0.140 To 0.107 %
Max Ratio
Min Ratio
endf Threshold 2.4660 MeV
matxs Threshold 2.4660 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
14
58-Ce-140

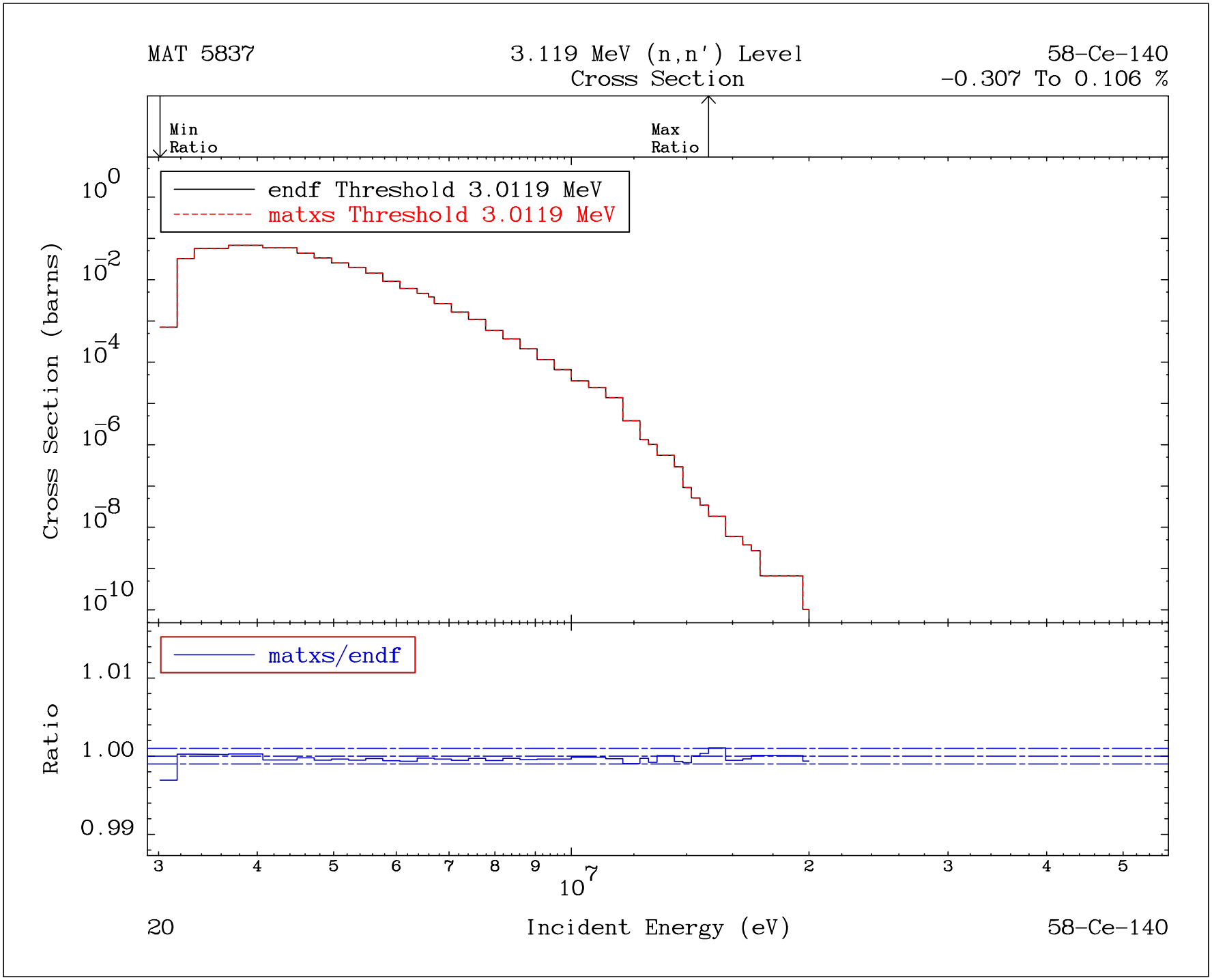

MAT 5837
2.629 MeV (n,n') Level
Cross Section
58-Ce-140
-0.089 To 0.100 %
Min Ratio
Max Ratio
endf Threshold 2.5924 MeV
matxs Threshold 2.5924 MeV
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
matxs/endf
Ratio
1.01
1.00
0.99
3
4
5
6
7
8
9
10 7
2
3
4
5
15
Incident Energy (eV)
58-Ce-140

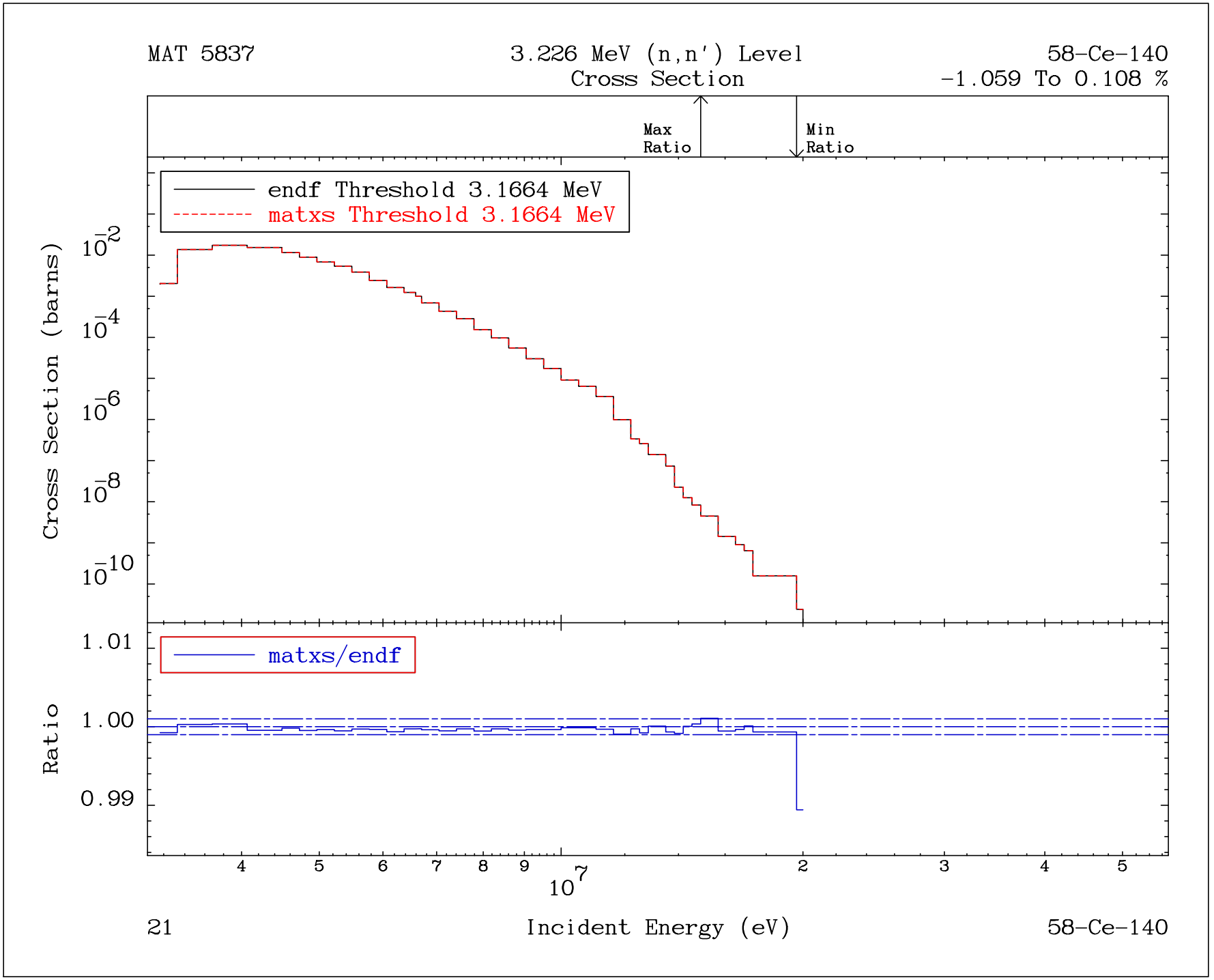

MAT 5837
2.900 MeV (n,n') Level
Cross Section
58-Ce-140
-0.094 To 0.106 %
Min Ratio
Max Ratio
endf Threshold 2.8650 MeV
matxs Threshold 2.8650 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
16
58-Ce-140

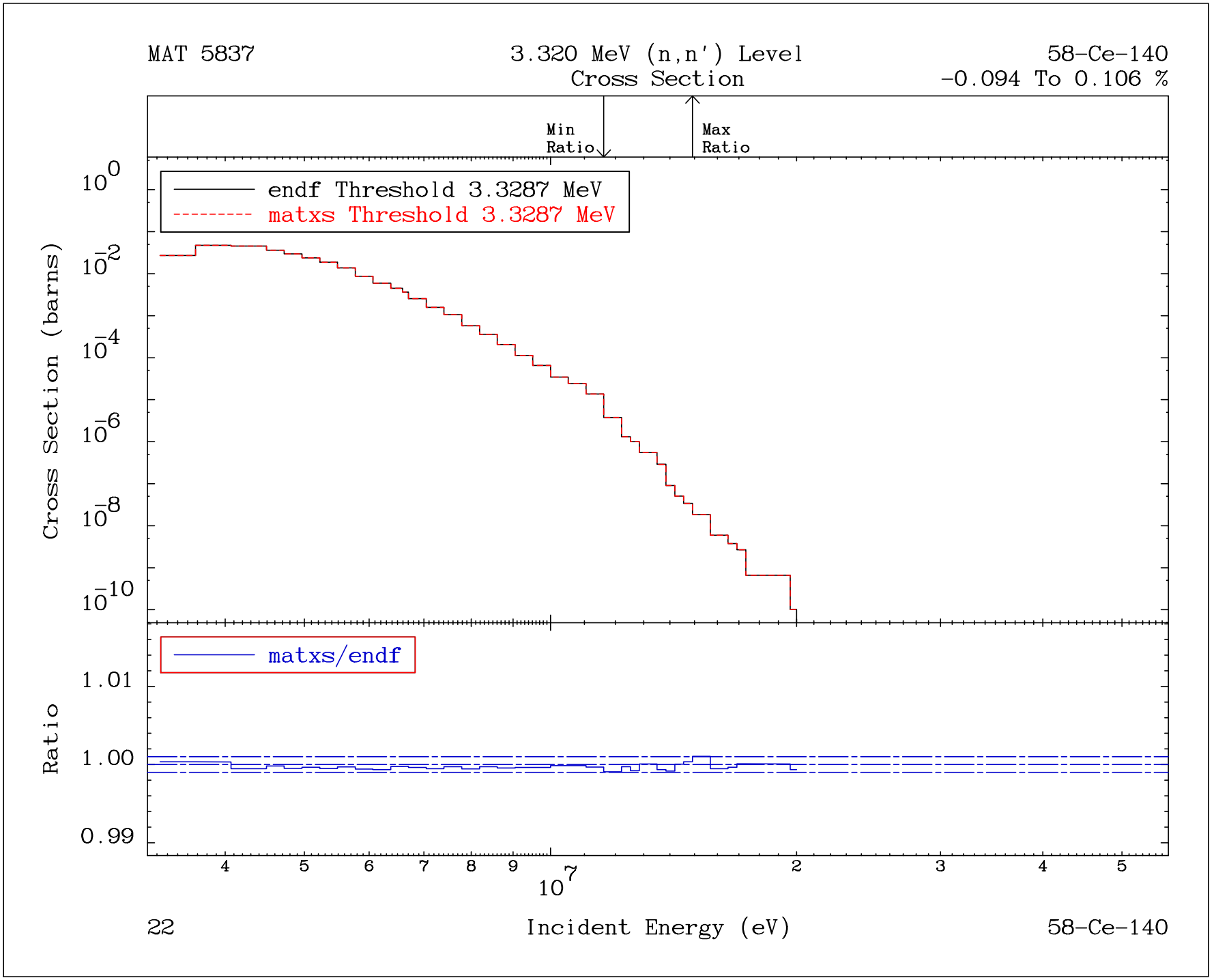

MAT 5837
3.001 MeV (n,n') Level
Cross Section
58-Ce-140
-0.094 To 0.106 %
Min Ratio
Max Ratio
endf Threshold 3.0119 MeV
matxs Threshold 3.0119 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
17
58-Ce-140

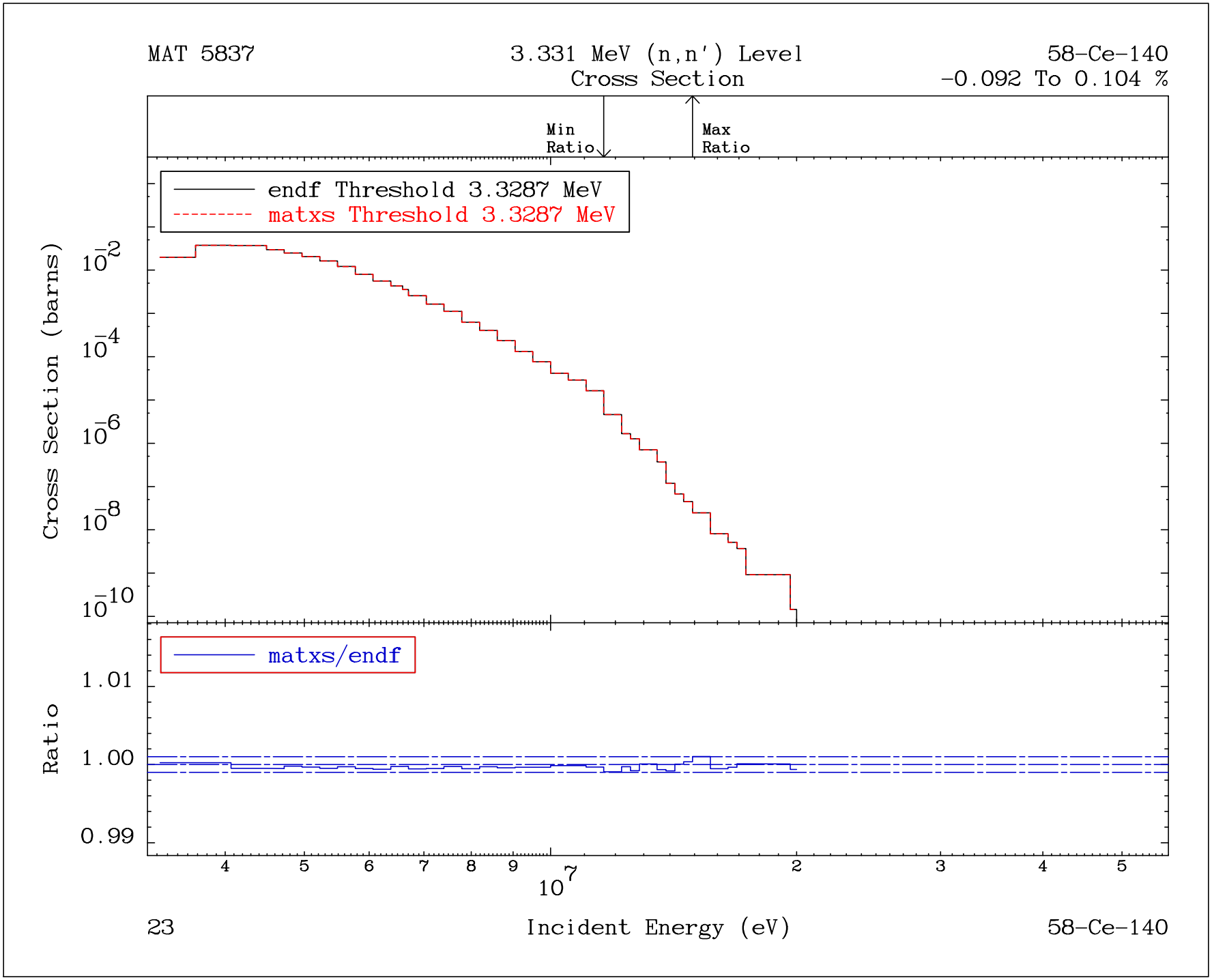

MAT 5837
3.017 MeV (n,n') Level
Cross Section
58-Ce-140
-1.059 To 0.107 %
Max Ratio
Min Ratio
endf Threshold 3.0119 MeV
matxs Threshold 3.0119 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
18
58-Ce-140

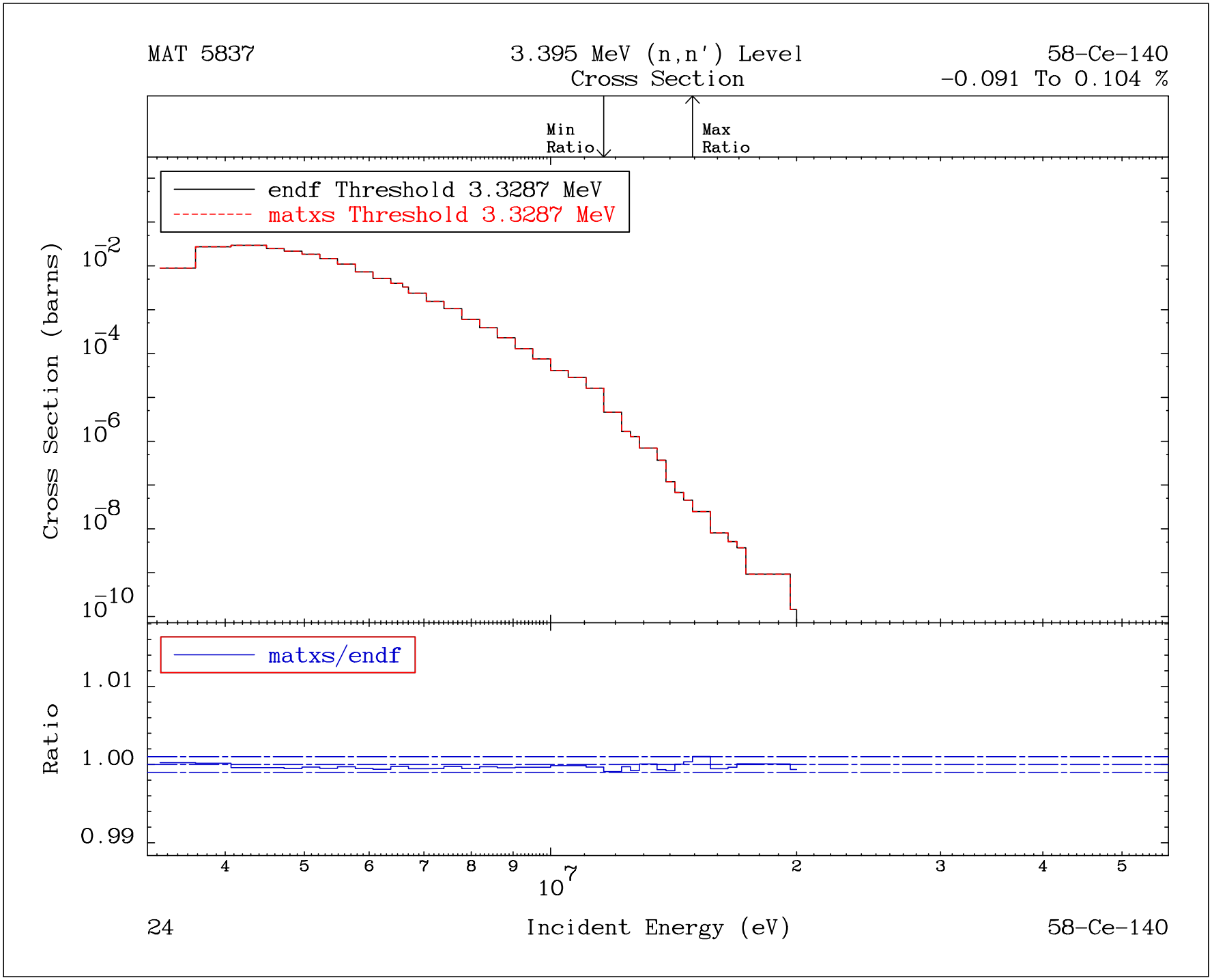

MAT 5837
3.040 MeV (n,n') Level
Cross Section
58-Ce-140
-0.093 To 0.105 %
Min Ratio
Max Ratio
endf Threshold 3.0119 MeV
matxs Threshold 3.0119 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
19
58-Ce-140

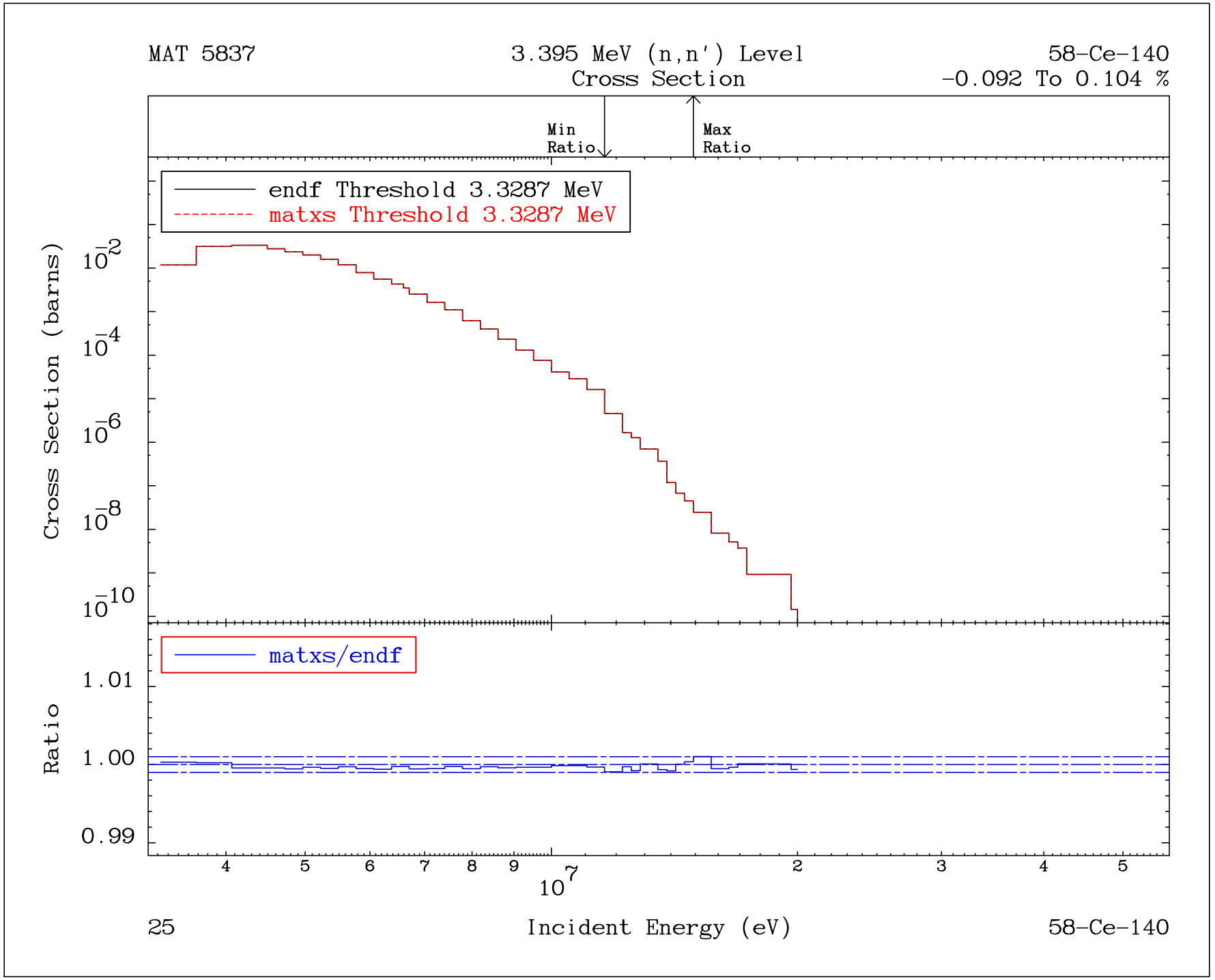

MAT 5837
3.119 MeV (n,n') Level
Cross Section
58-Ce-140
-0.307 To 0.106 %
Min Ratio
Max Ratio
endf Threshold 3.0119 MeV
matxs Threshold 3.0119 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
20
58-Ce-140

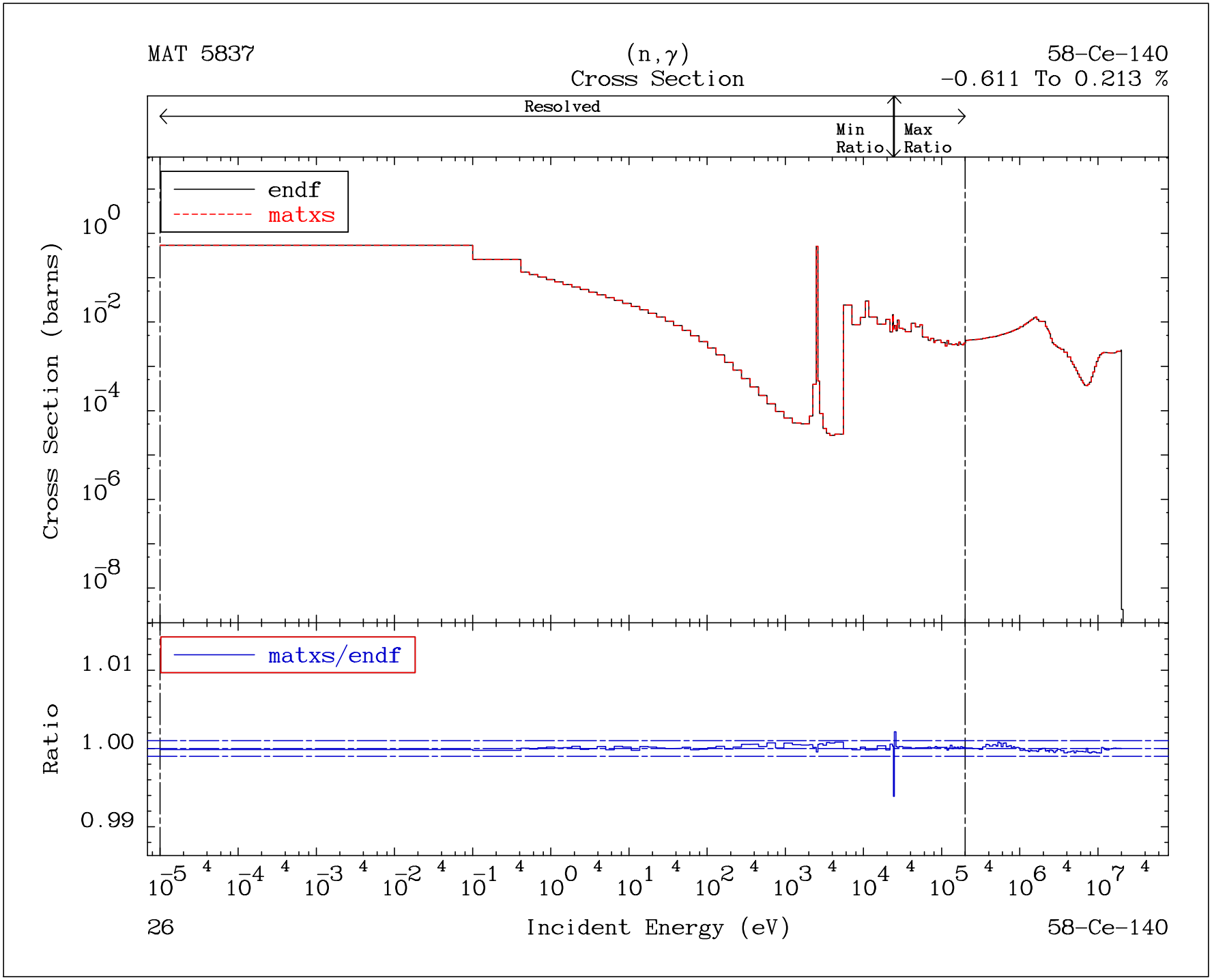

MAT 5837
3.226 MeV (n,n') Level
Cross Section
58-Ce-140
-1.059 To 0.108 %
Max Ratio
Min Ratio
endf Threshold 3.1664 MeV
matxs Threshold 3.1664 MeV
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
matxs/endf
Ratio
1.01
1.00
0.99
4
5
6
7
8
9
10 7
2
3
4
5
21
Incident Energy (eV)
58-Ce-140

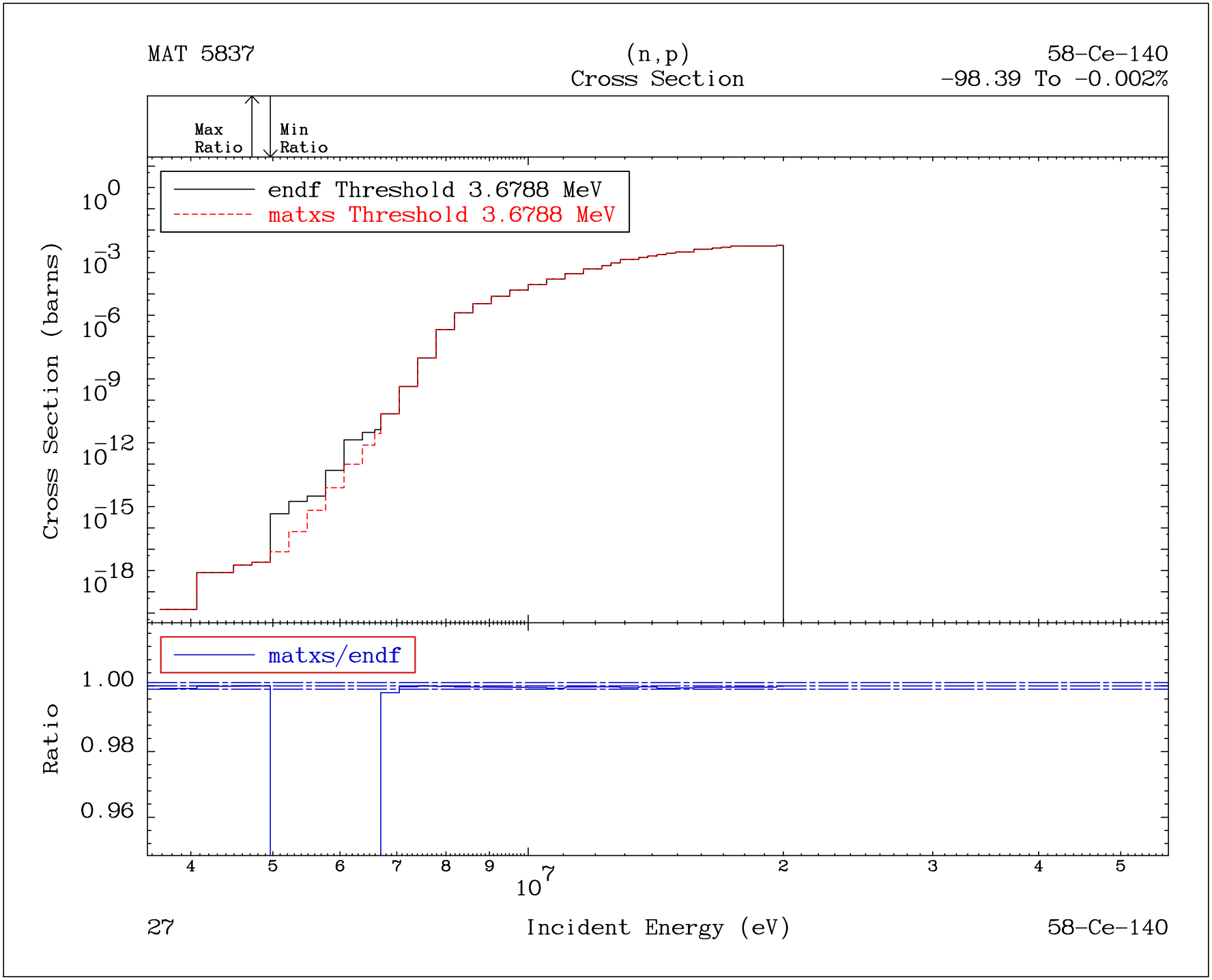

MAT 5837
3.320 MeV (n,n') Level
Cross Section
58-Ce-140
-0.094 To 0.106 %
Min Ratio
Max Ratio
endf Threshold 3.3287 MeV
matxs Threshold 3.3287 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
22
58-Ce-140

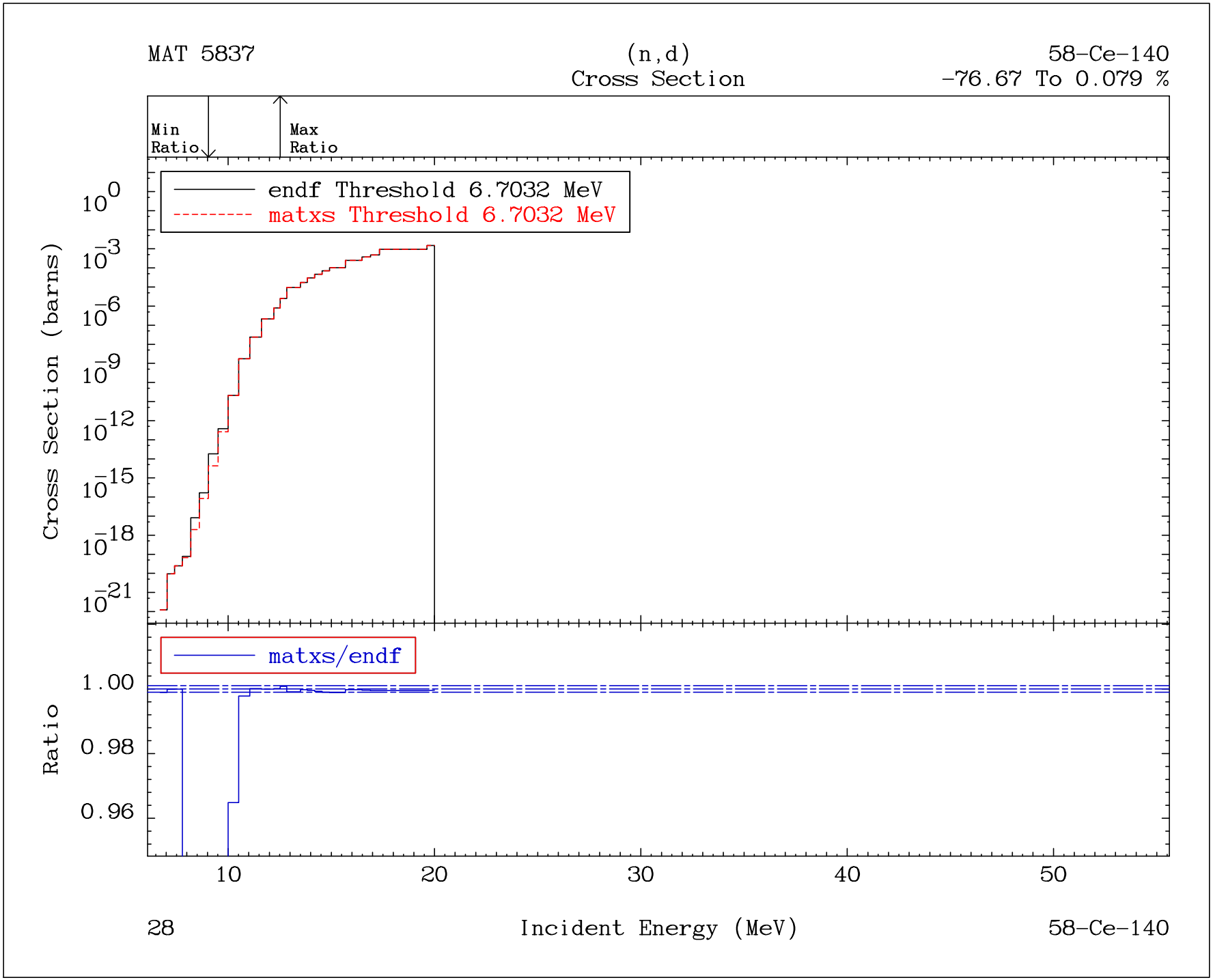

MAT 5837
3.331 MeV (n,n') Level
Cross Section
58-Ce-140
-0.092 To 0.104 %
Min Ratio
Max Ratio
endf Threshold 3.3287 MeV
matxs Threshold 3.3287 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
23
58-Ce-140

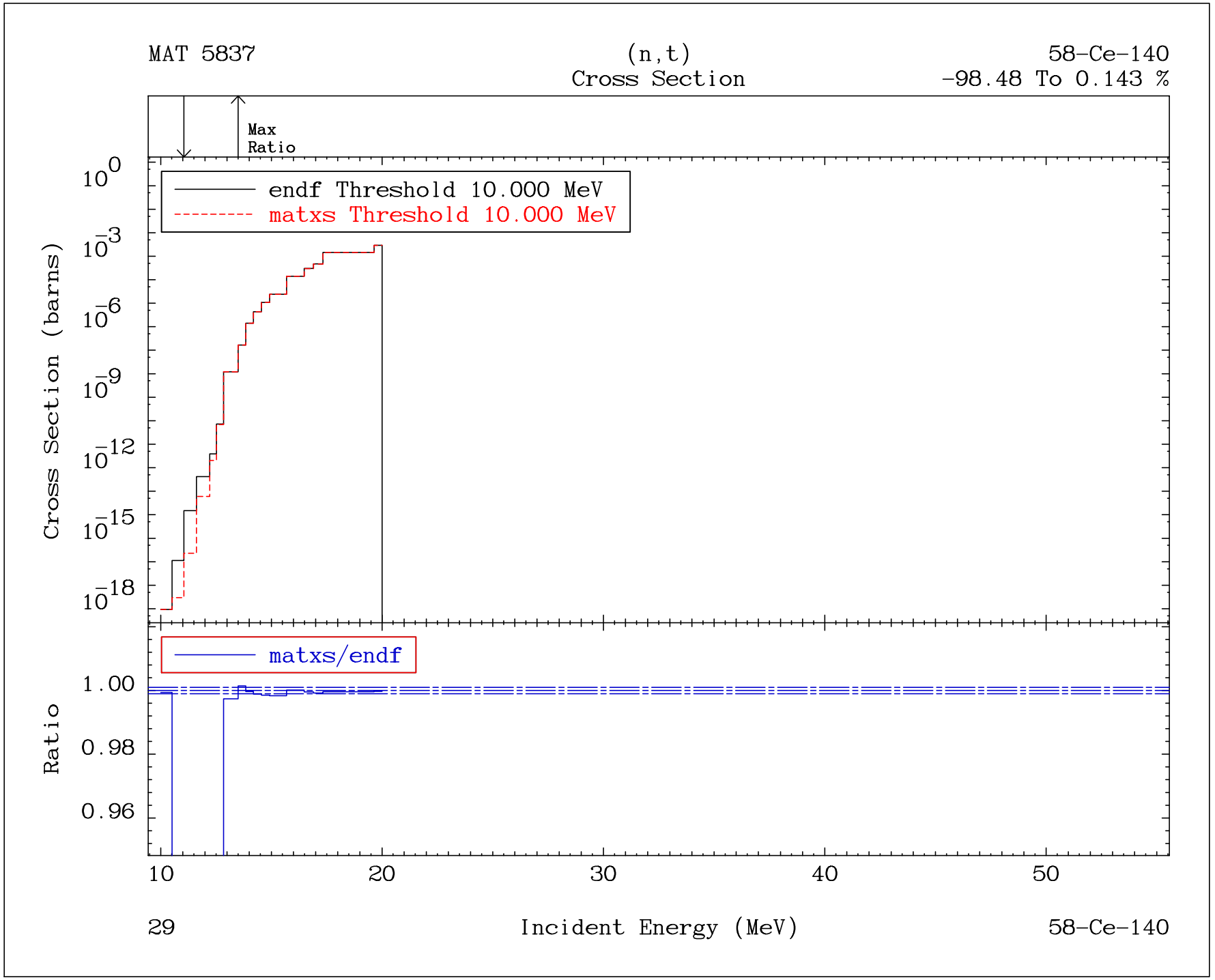

MAT 5837
3.395 MeV (n,n') Level
Cross Section
58-Ce-140
-0.091 To 0.104 %
Min Ratio
Max Ratio
endf Threshold 3.3287 MeV
matxs Threshold 3.3287 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
24
58-Ce-140

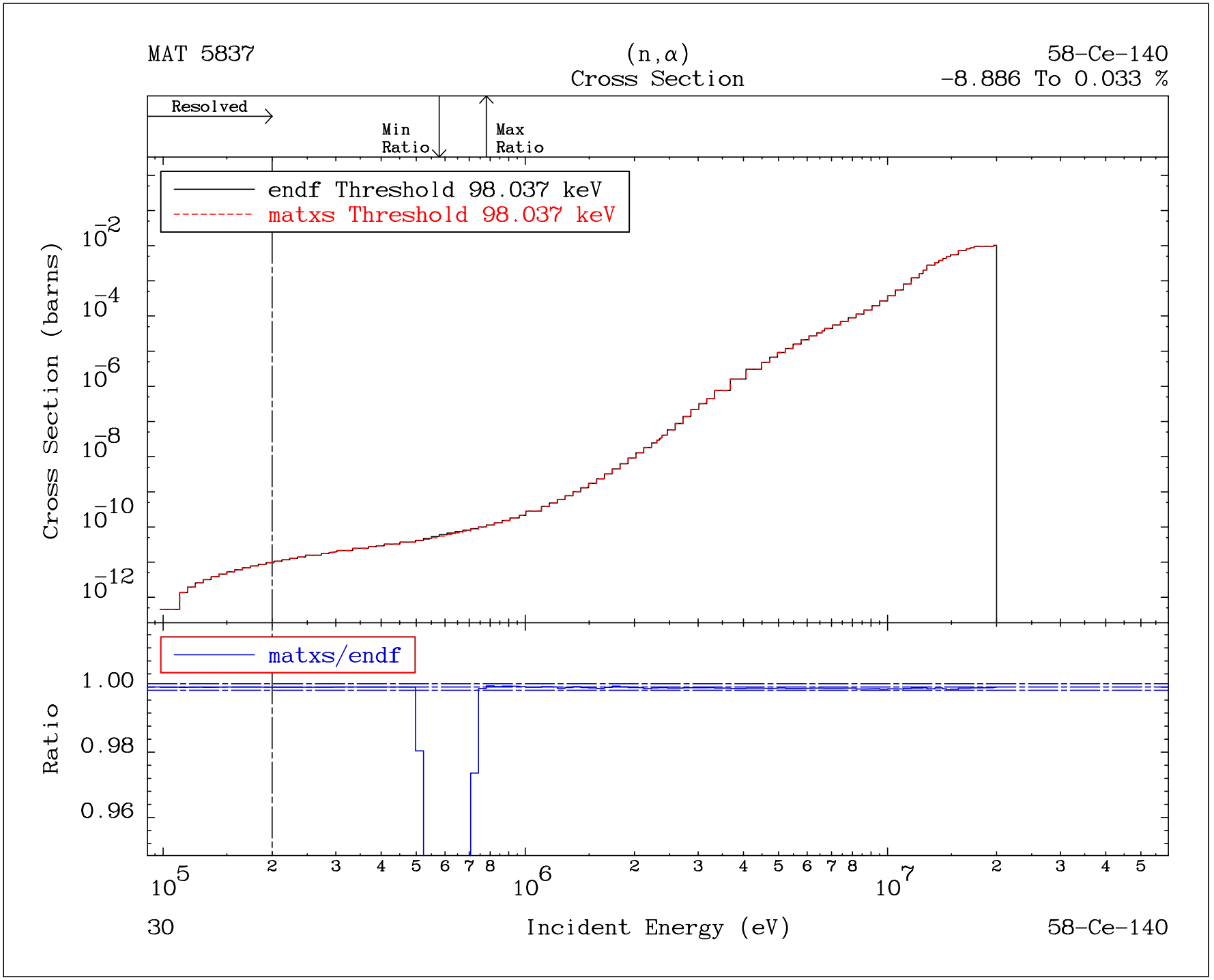

MAT 5837
3.395 MeV (n,n') Level
Cross Section
58-Ce-140
-0.092 To 0.104 %
Min Ratio
Max Ratio
endf Threshold 3.3287 MeV
matxs Threshold 3.3287 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
25
58-Ce-140


MAT 5837
(n,γ)
Cross Section
58-Ce-140
-0.611 To 0.213 %
Resolved
Min Ratio
Max Ratio
endf
matxs
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
26
58-Ce-140


MAT 5837
(n,p)
Cross Section
58-Ce-140
-98.39 To -0.002%
Max Ratio
Min Ratio
endf Threshold 3.6788 MeV
matxs Threshold 3.6788 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
27
58-Ce-140


MAT 5837
(n,d)
Cross Section
58-Ce-140
-76.67 To 0.079 %
Min Ratio
Max Ratio
endf Threshold 6.7032 MeV
matxs Threshold 6.7032 MeV
Cross Section (barns)
10^0
10^-3
10^-6
10^-9
10^-12
10^-15
10^-18
10^-21
matxs/endf
Ratio
1.00
0.98
0.96
10
20
30
40
50
28
Incident Energy (MeV)
58-Ce-140


MAT 5837
(n,t)
Cross Section
58-Ce-140
-98.48 To 0.143 %
Max
Ratio
endf Threshold 10.000 MeV
matxs Threshold 10.000 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (MeV)
29
58-Ce-140


MAT 5837
(n,α)
Cross Section
58-Ce-140
-8.886 To 0.033 %
Resolved
Min Ratio
Max Ratio
endf Threshold 98.037 keV
matxs Threshold 98.037 keV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
30
58-Ce-140