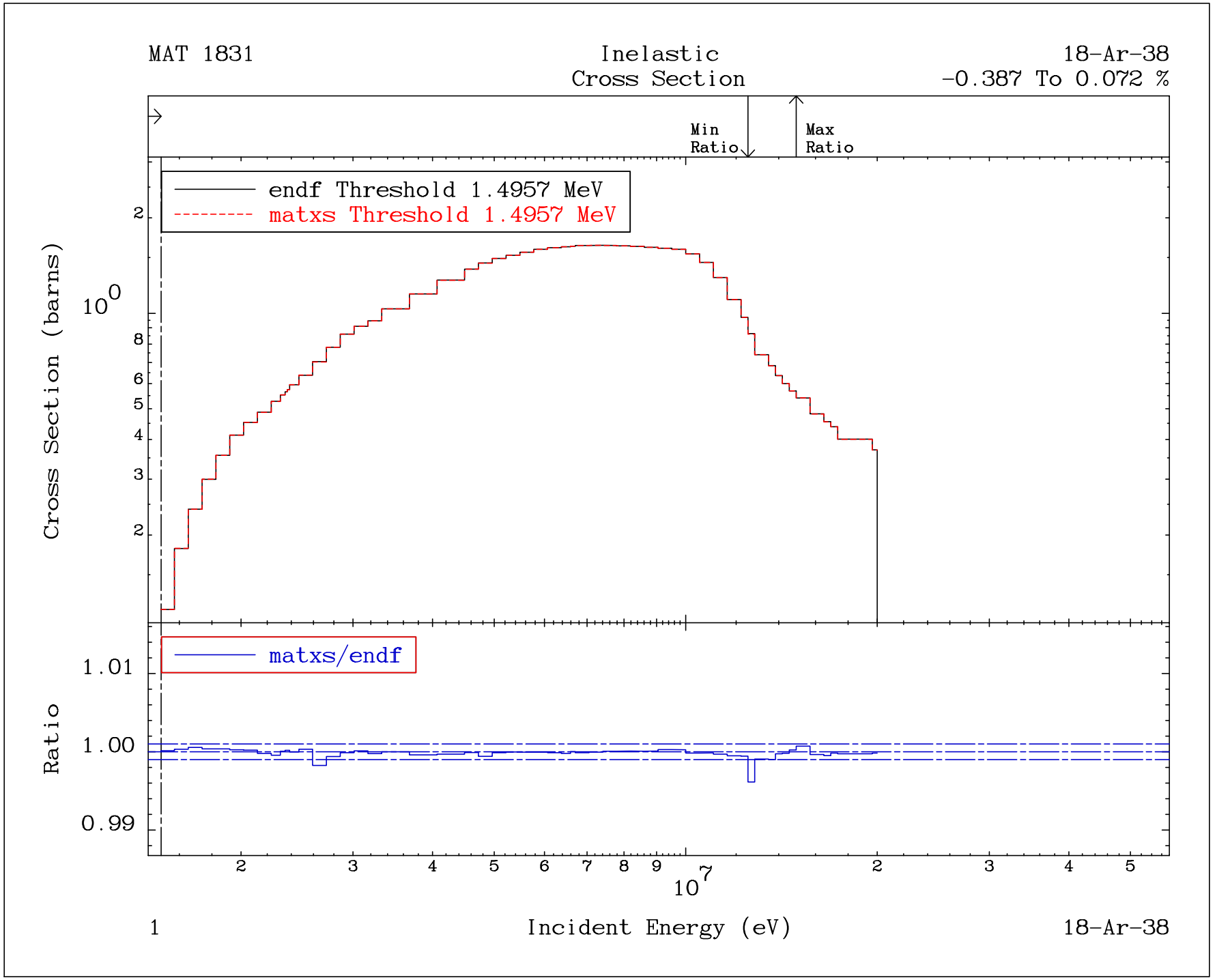
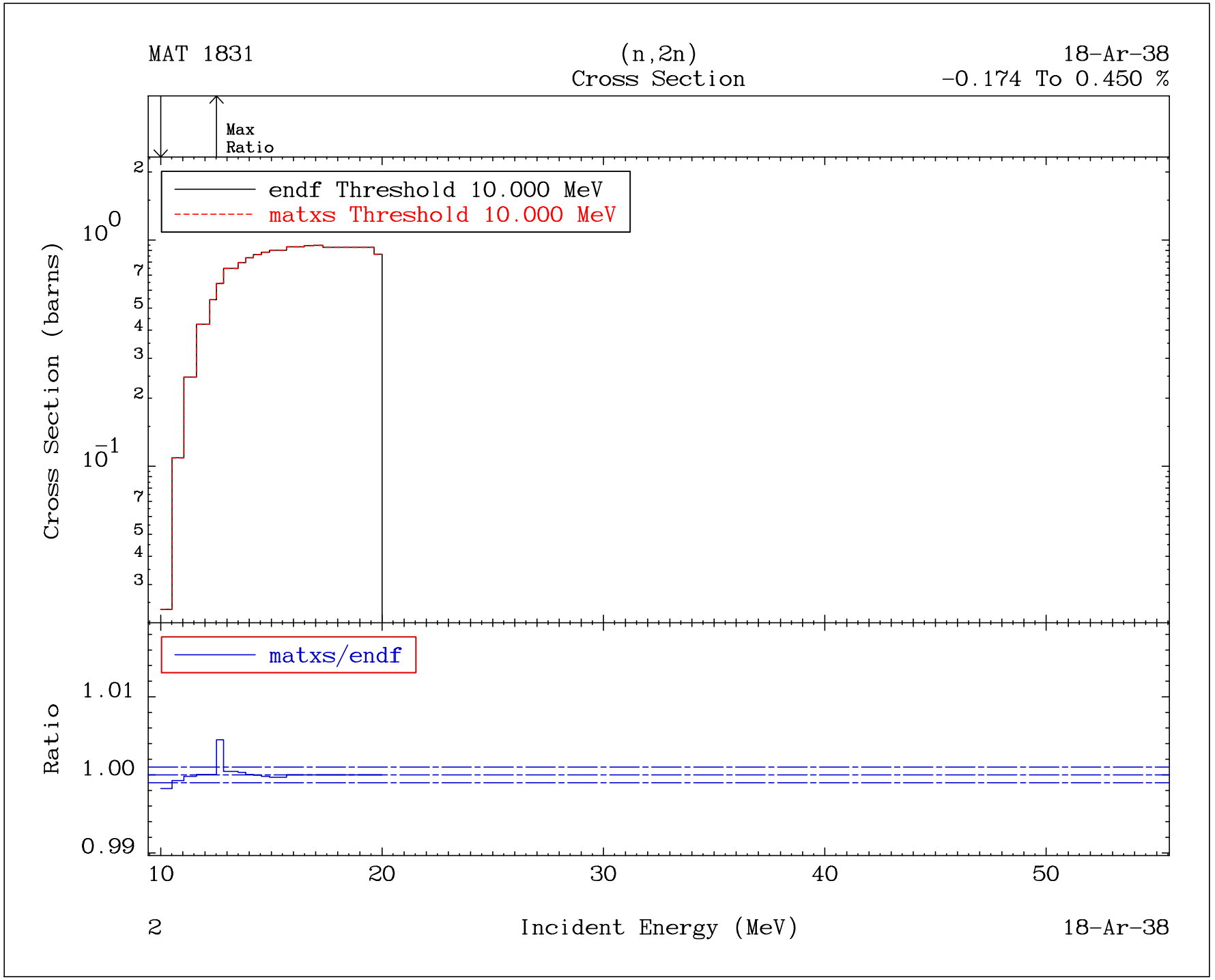
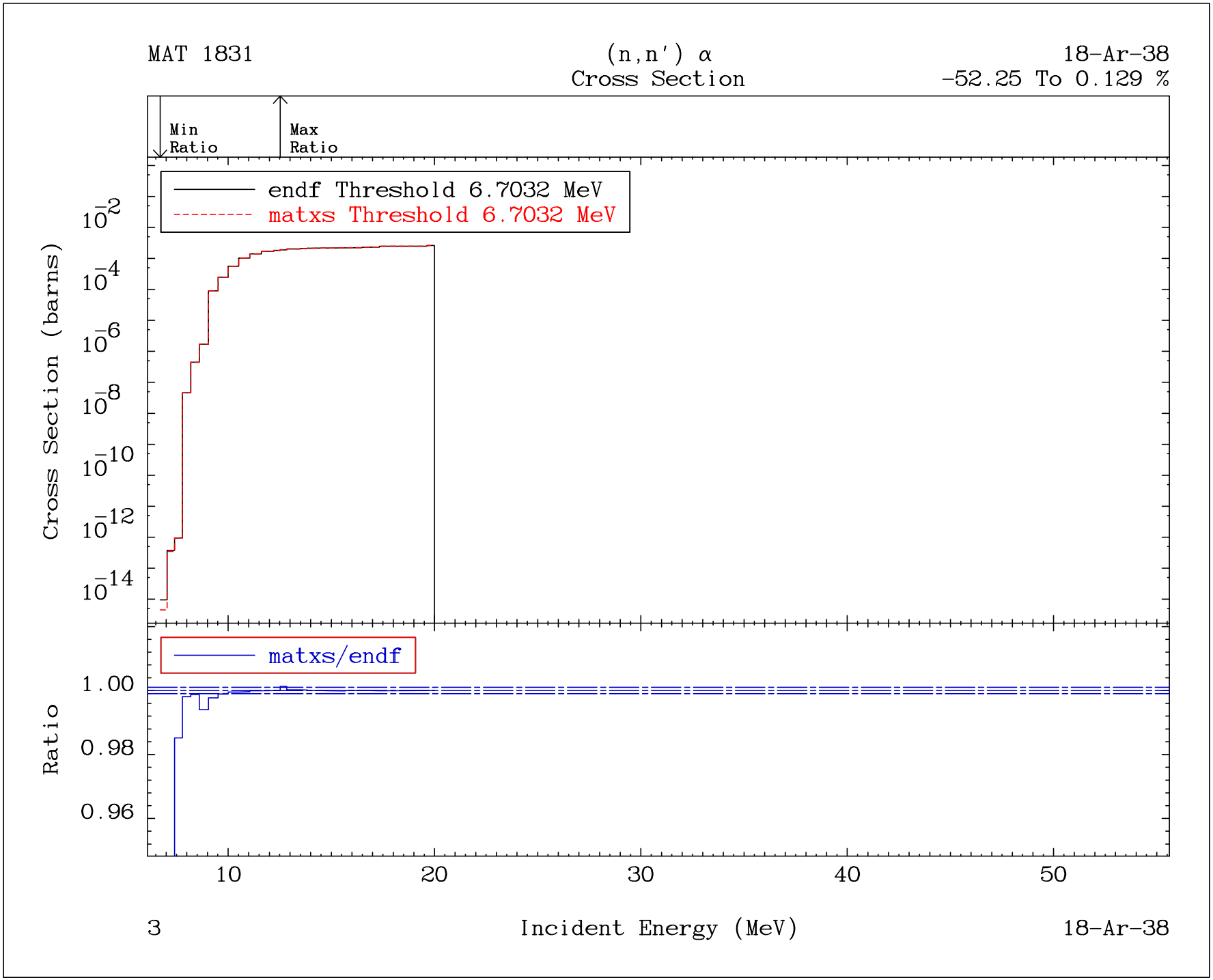
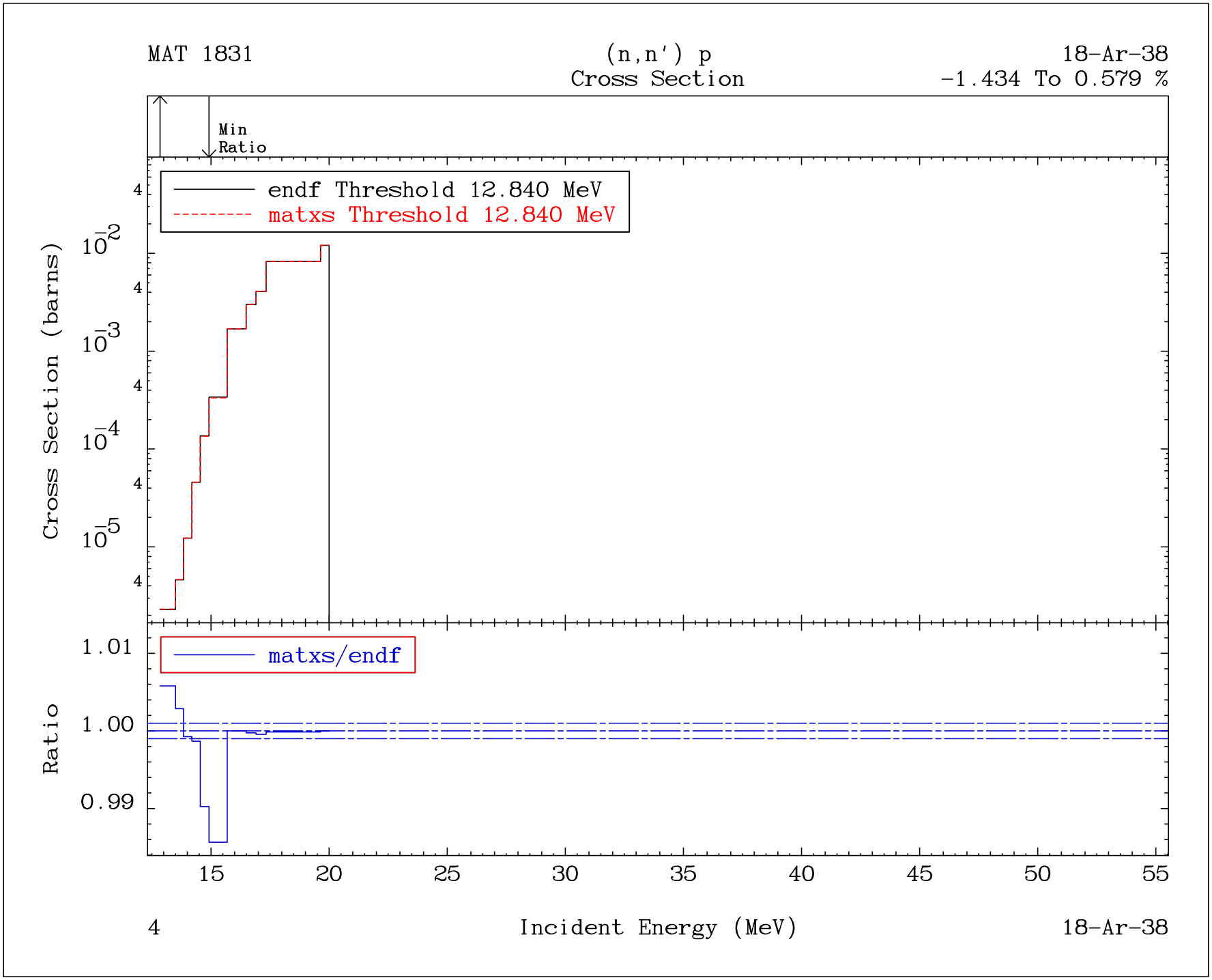
Program Complot
(Version 2015-2)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

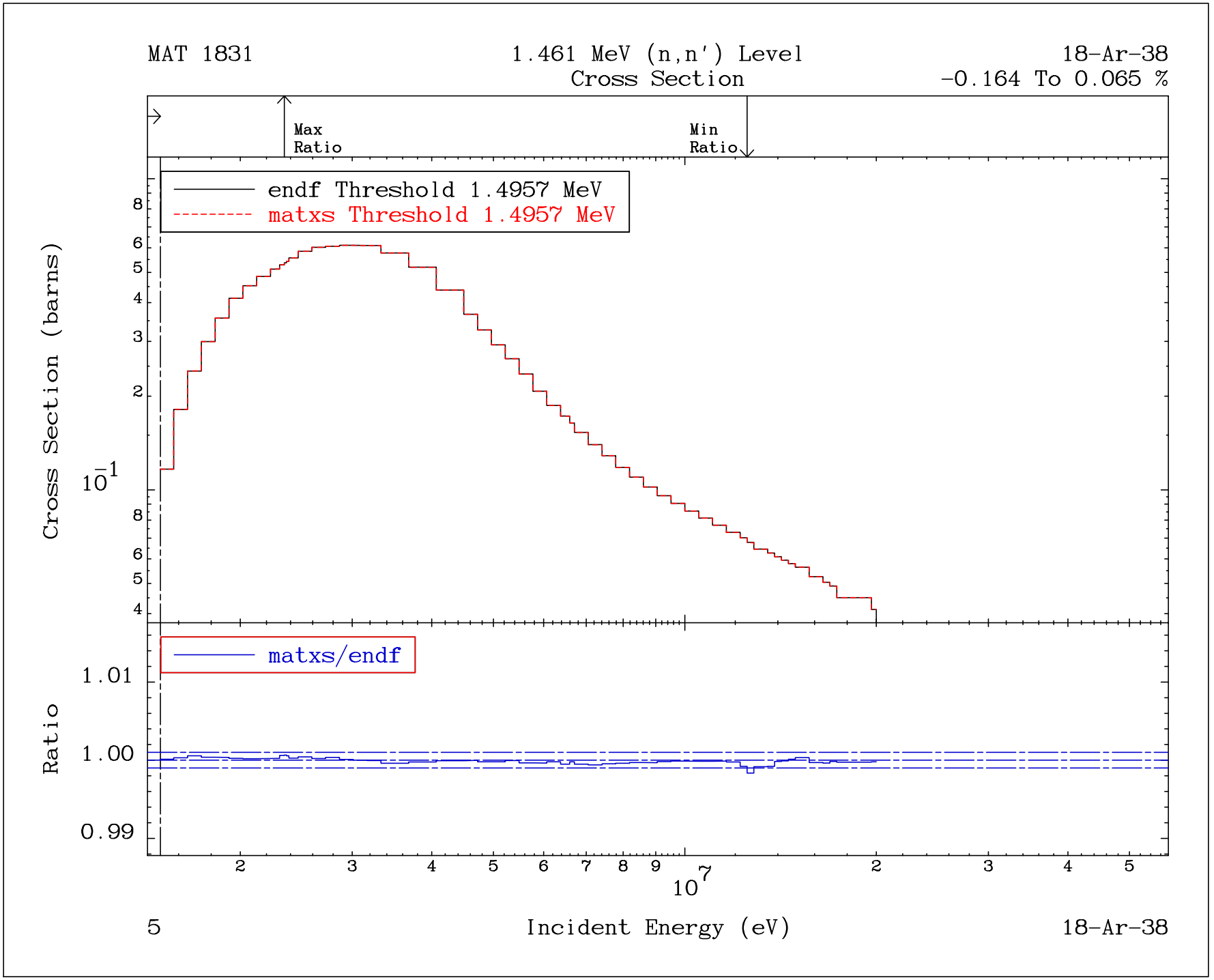
Press Mouse Button to Start

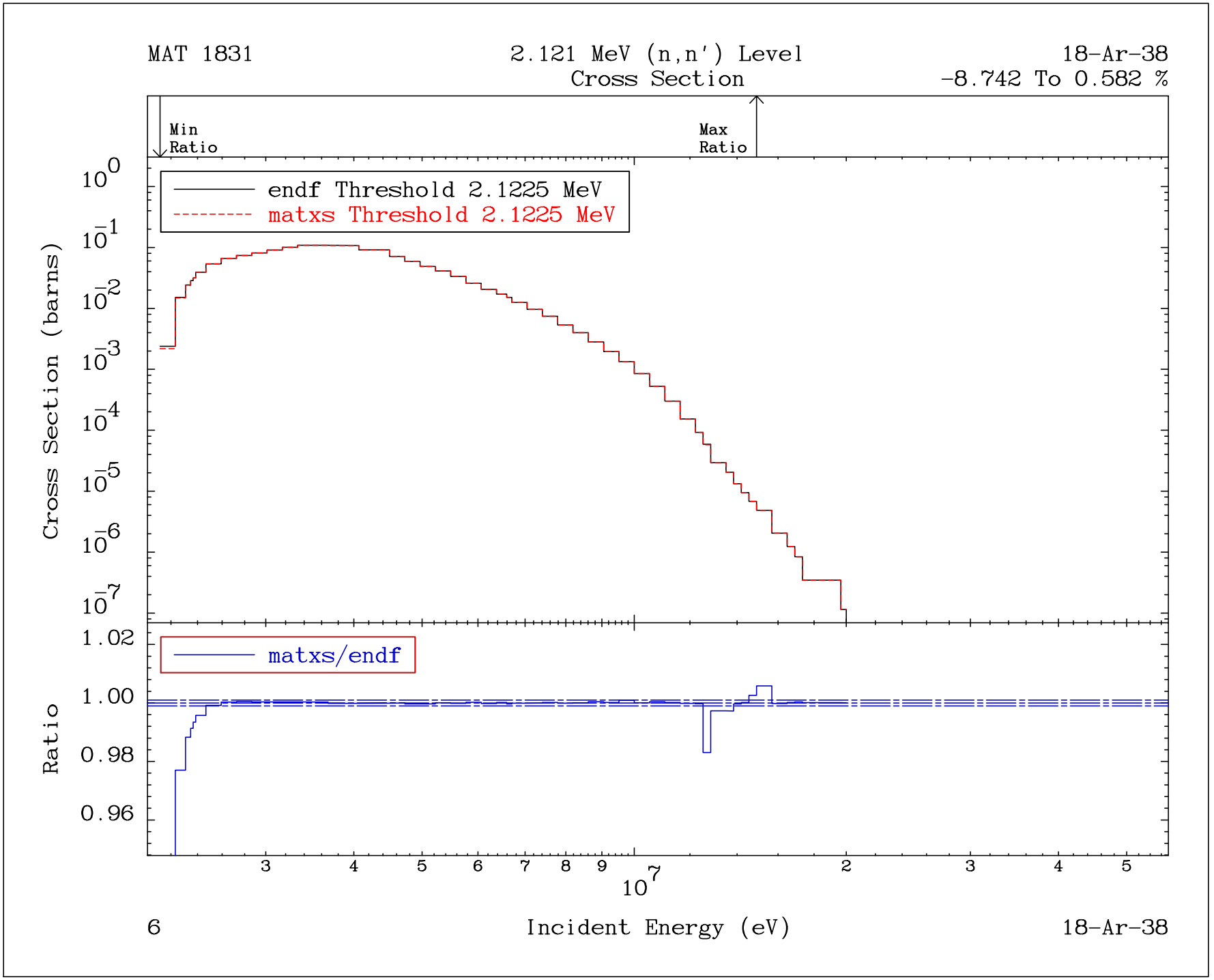

MAT 1831
Inelastic
Cross Section
18-Ar-38
-0.387 To 0.072 %
Min
Ratio
Max
Ratio
endf Threshold 1.4957 MeV
matxs Threshold 1.4957 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
1
18-Ar-38

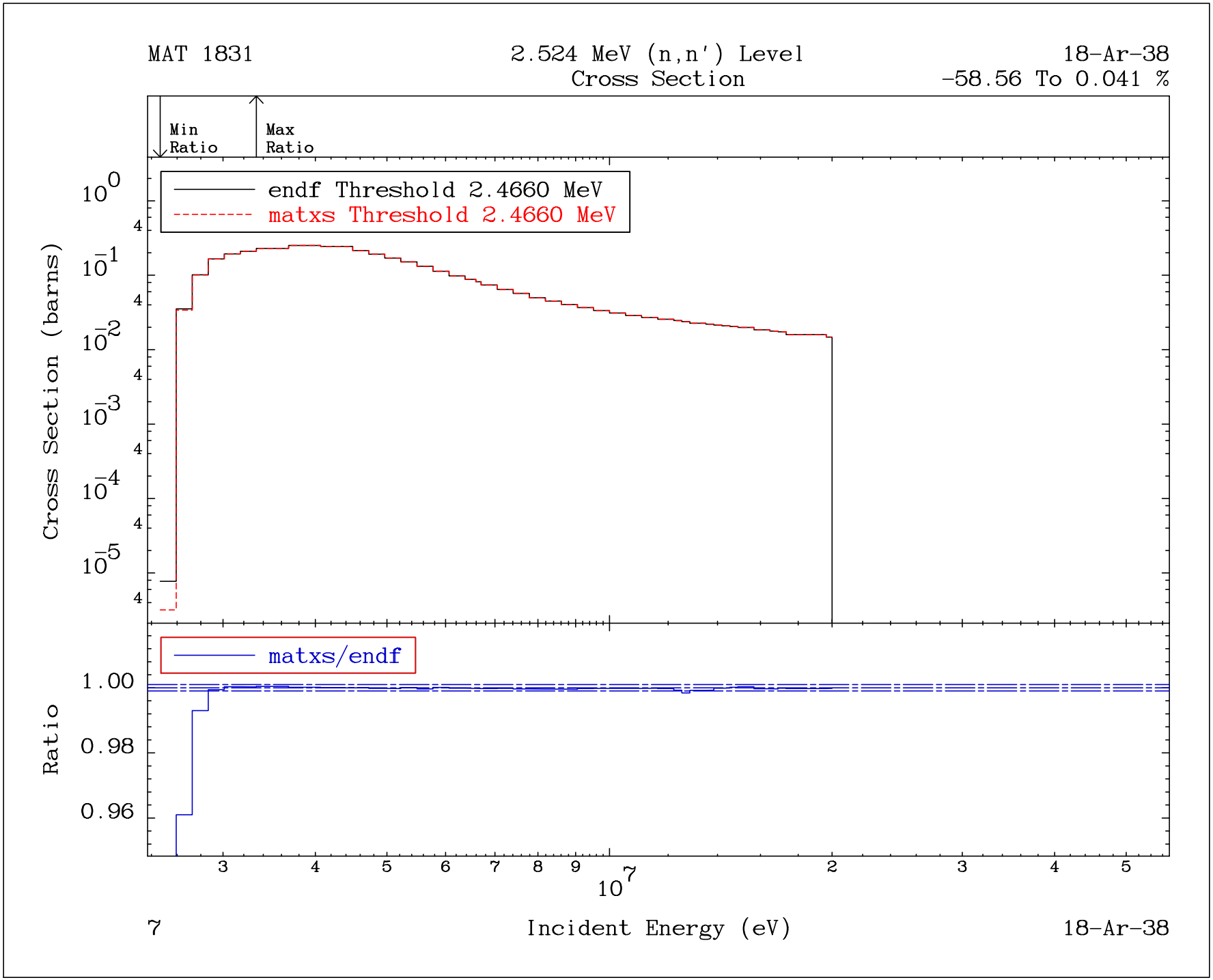

MAT 1831
(n,2n)
Cross Section
18-Ar-38
-0.174 To 0.450 %
Max
Ratio
endf Threshold 10.000 MeV
matxs Threshold 10.000 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (MeV)
18-Ar-38

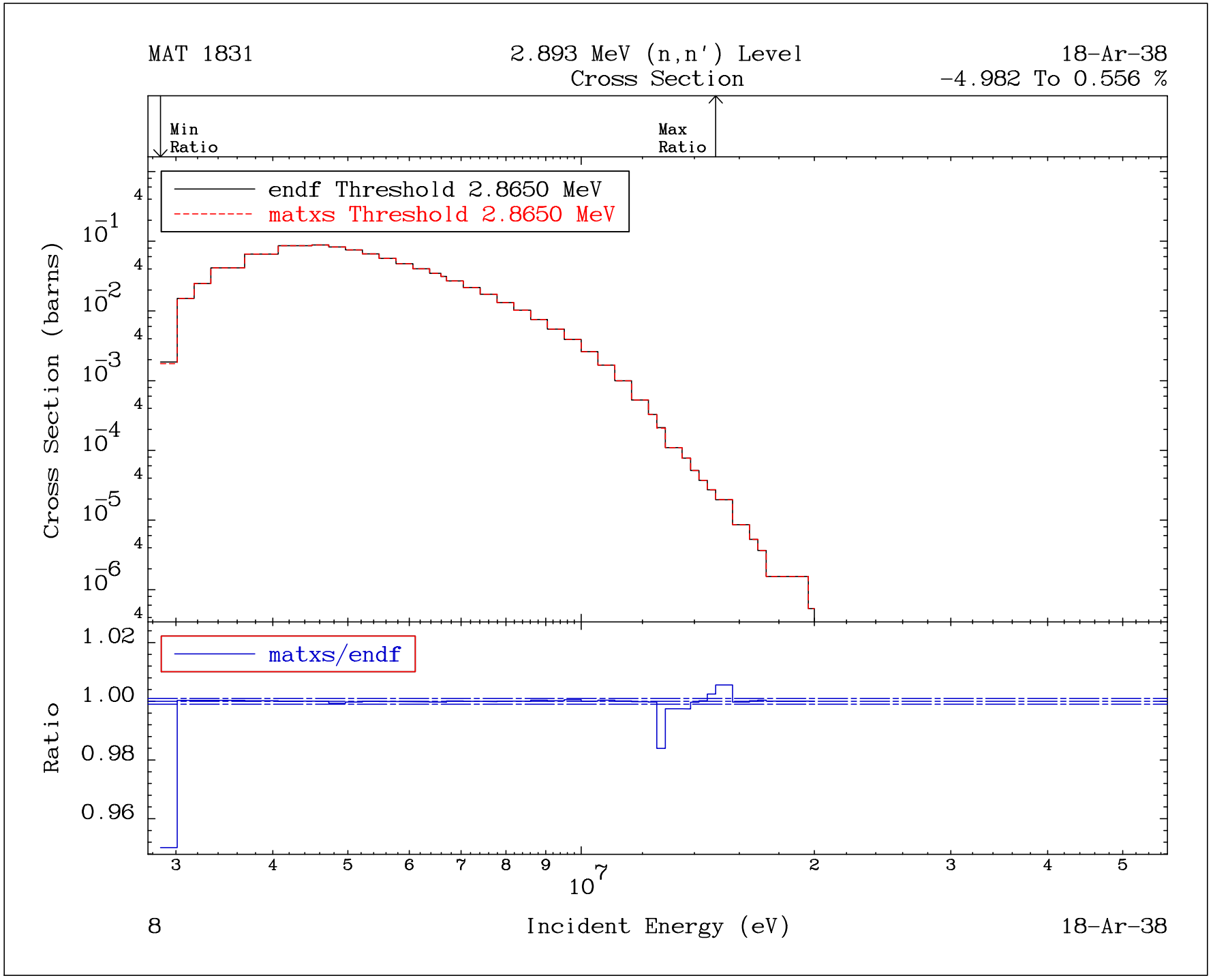

MAT 1831
(n,n') α
Cross Section
18-Ar-38
-52.25 To 0.129 %
Min Ratio
Max Ratio
endf Threshold 6.7032 MeV
matxs Threshold 6.7032 MeV
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
10^-12
10^-14
matxs/endf
Ratio
1.00
0.98
0.96
10
20
30
40
50
3
Incident Energy (MeV)
18-Ar-38

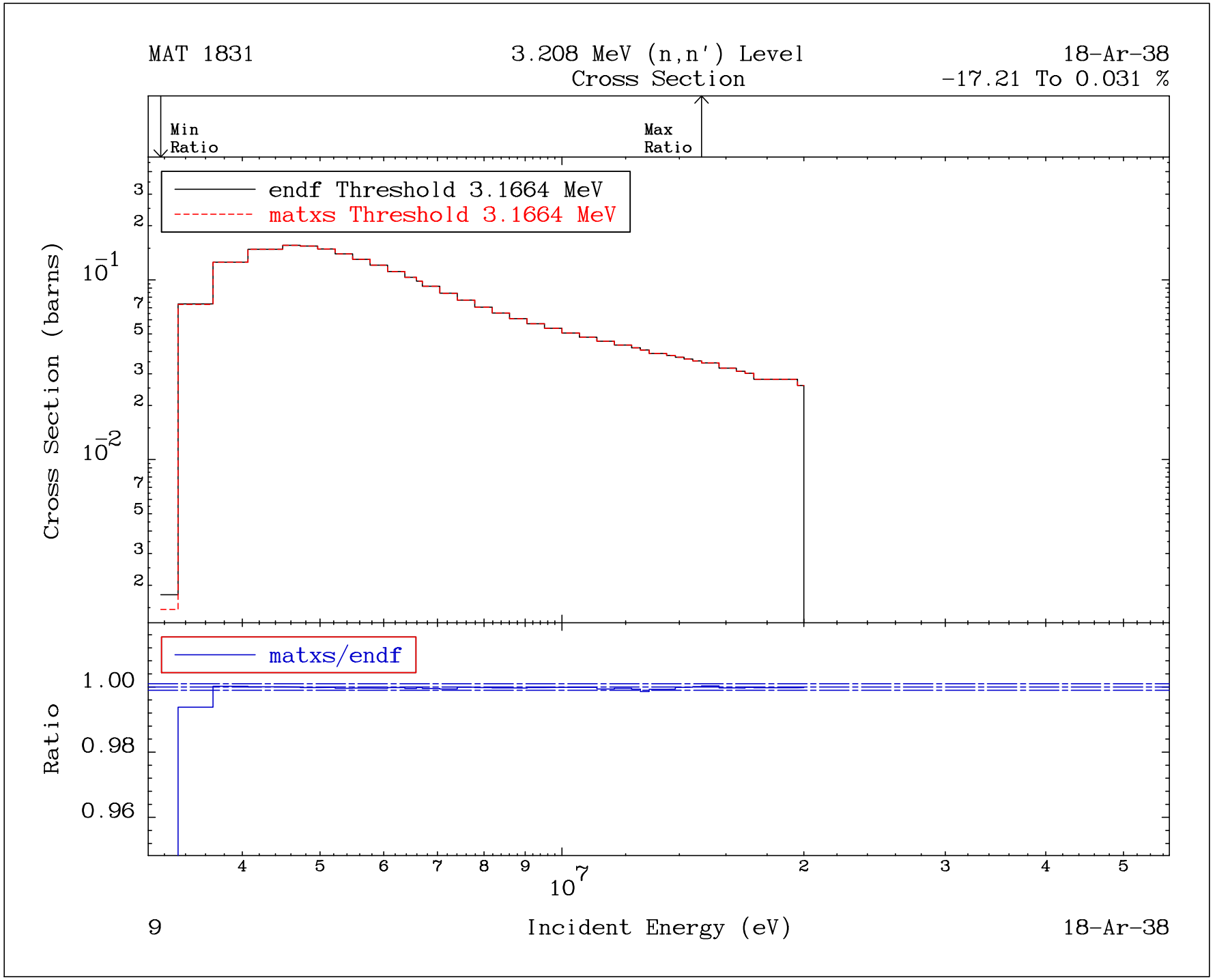

MAT 1831
(n,n') p
Cross Section
18-Ar-38
-1.434 To 0.579 %
Min
Ratio
endf Threshold 12.840 MeV
matxs Threshold 12.840 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (MeV)
18-Ar-38

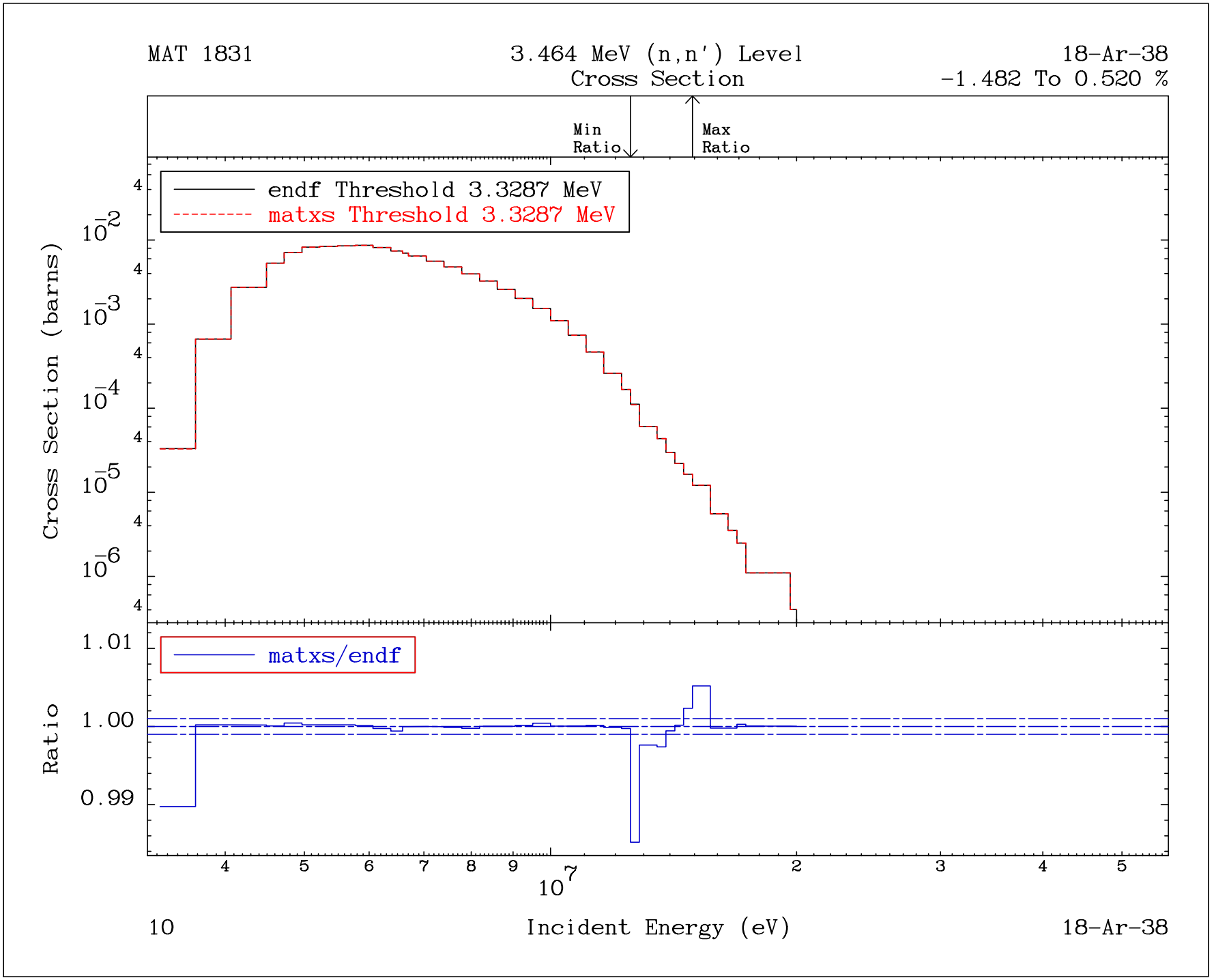

MAT 1831
1.461 MeV (n,n') Level
Cross Section
18-Ar-38
-0.164 To 0.065 %
Max
Ratio
Min
Ratio
endf Threshold 1.4957 MeV
matxs Threshold 1.4957 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
5
18-Ar-38

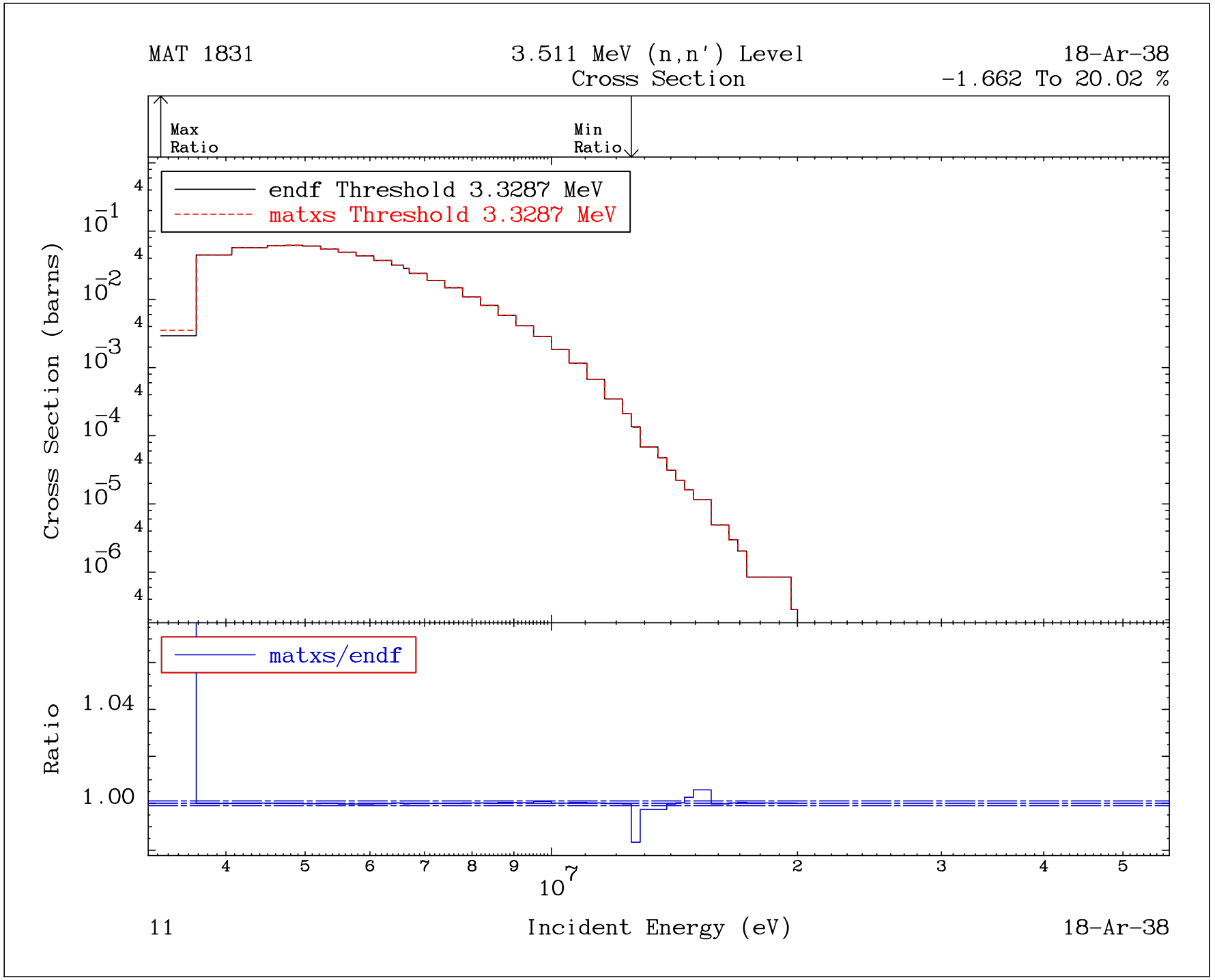

MAT 1831
2.121 MeV (n,n') Level
Cross Section
18-Ar-38
-8.742 To 0.582 %
Min Ratio
Max Ratio
endf Threshold 2.1225 MeV
matxs Threshold 2.1225 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
6
18-Ar-38

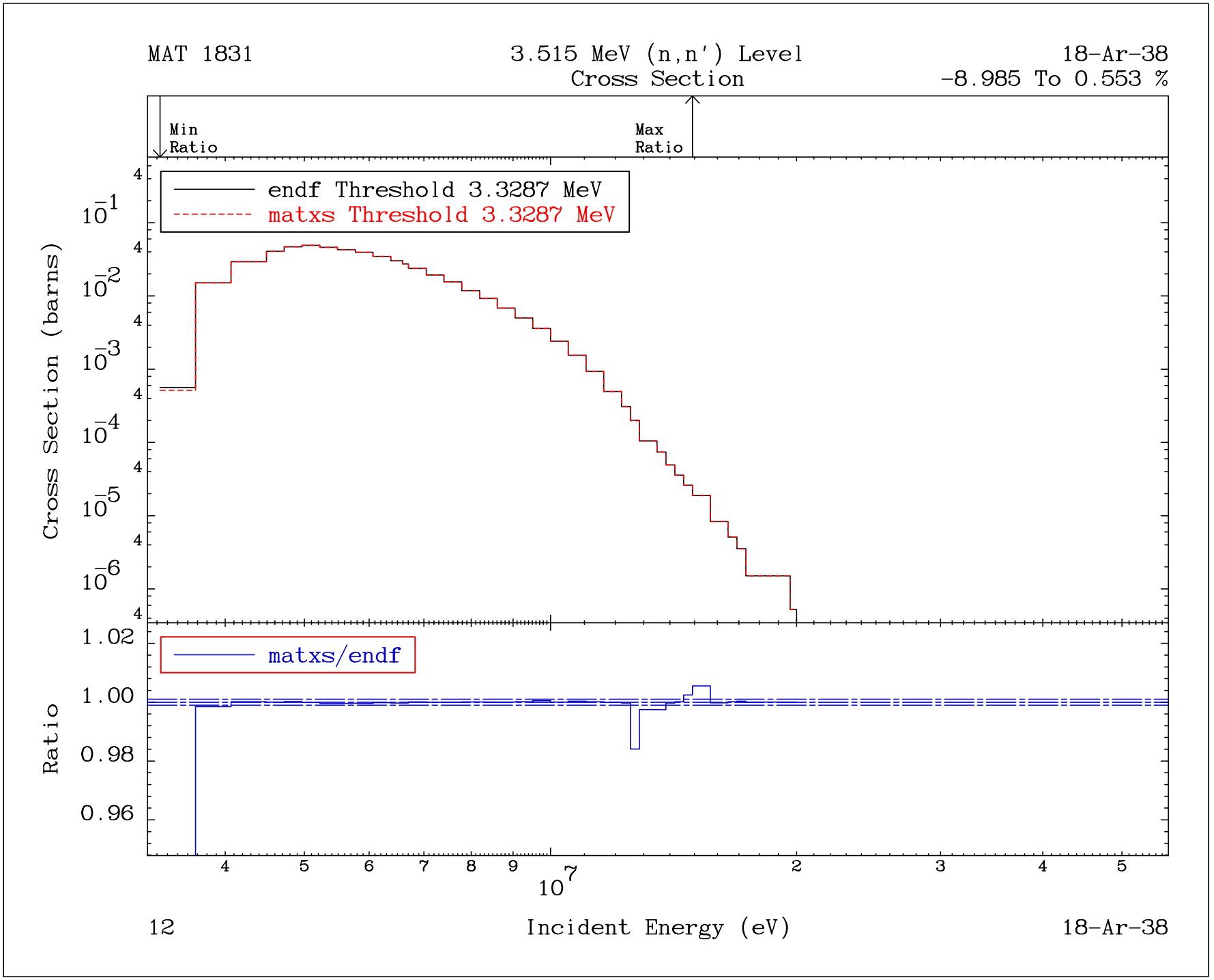

MAT 1831
2.524 MeV (n,n') Level
Cross Section
18-Ar-38
-58.56 To 0.041 %
Min Ratio
Max Ratio
endf Threshold 2.4660 MeV
matxs Threshold 2.4660 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
18-Ar-38

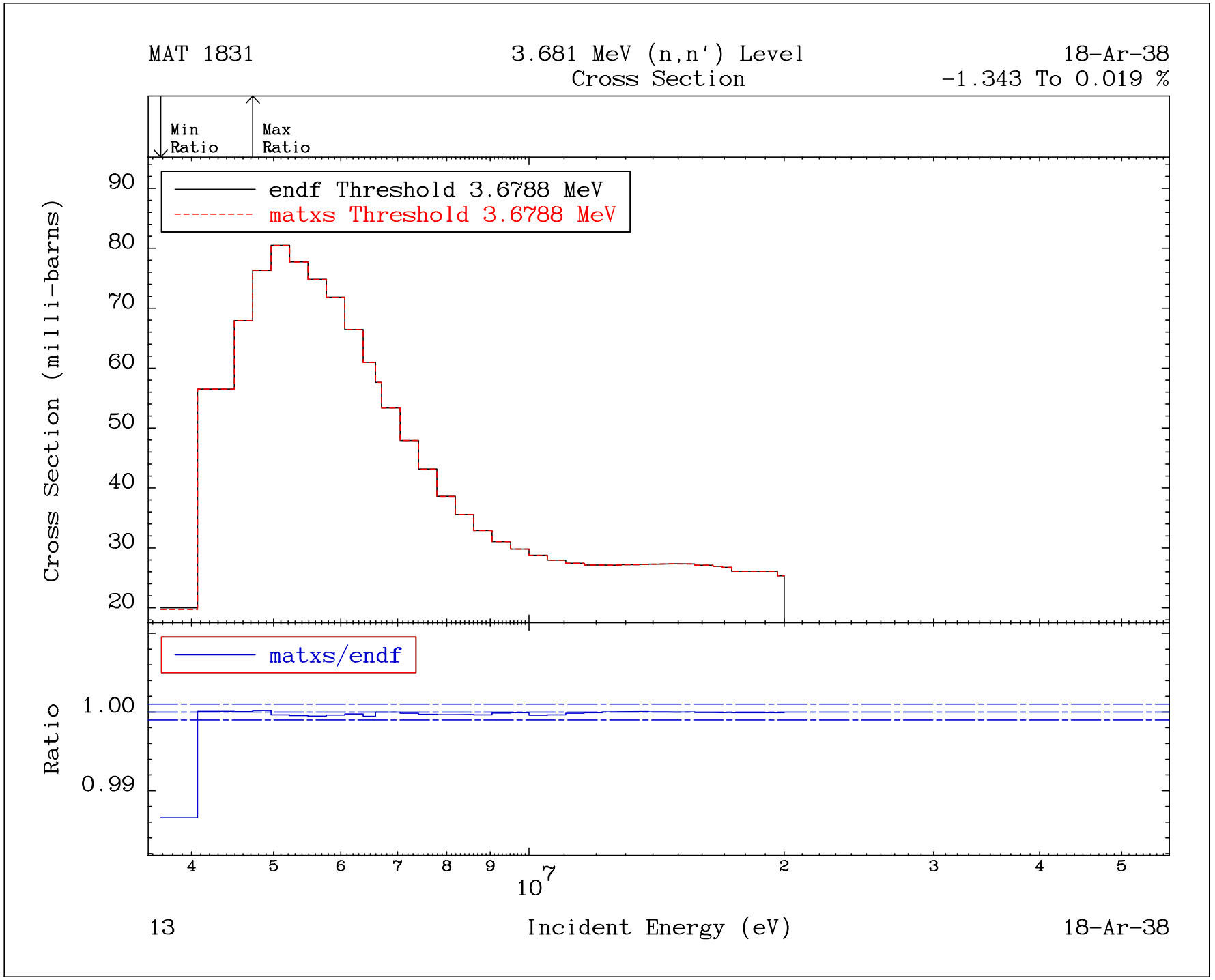

MAT 1831
2.893 MeV (n,n') Level
Cross Section
18-Ar-38
-4.982 To 0.556 %
Min
Ratio
Max
Ratio
endf Threshold 2.8650 MeV
matxs Threshold 2.8650 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
8
18-Ar-38

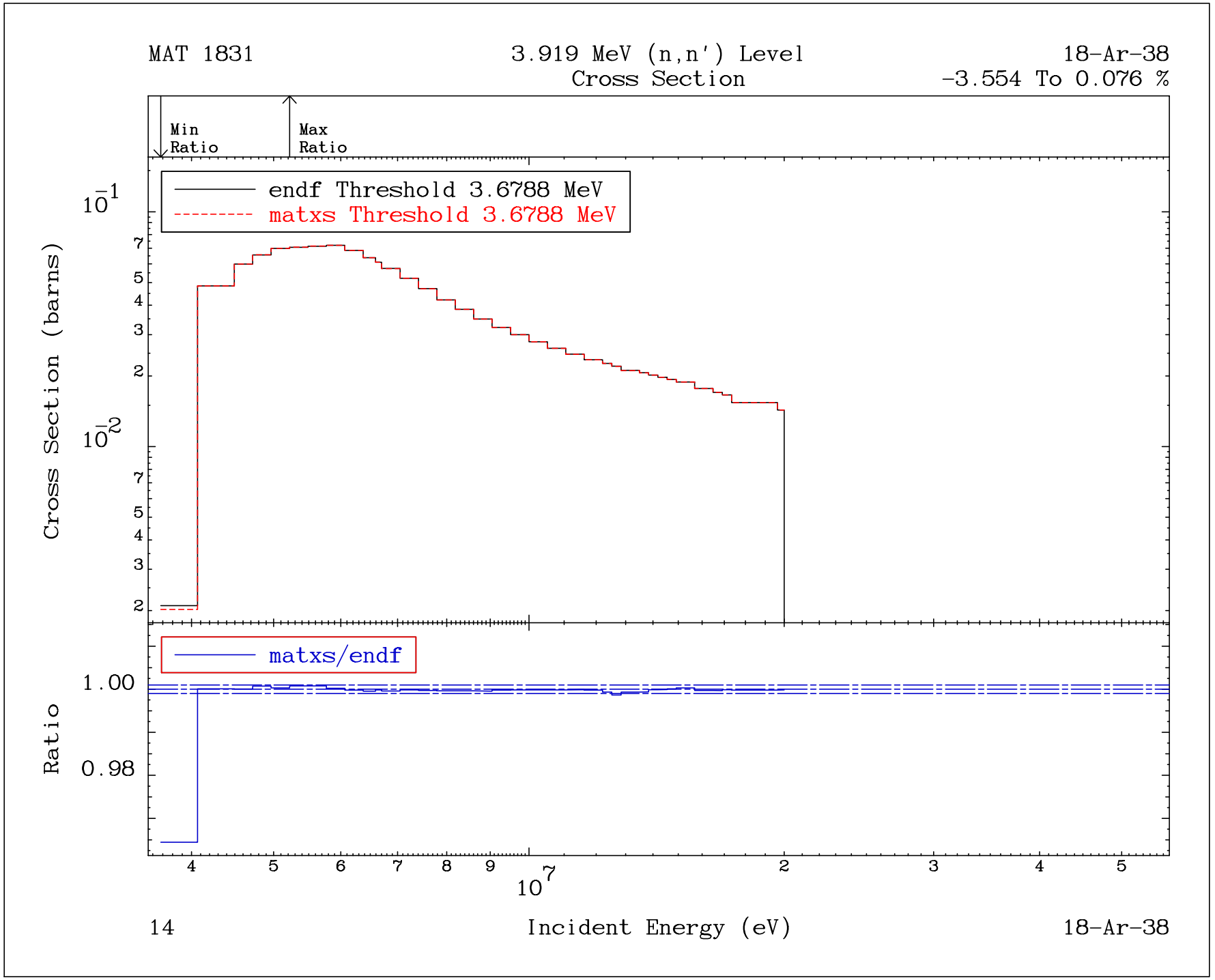

MAT 1831
3.208 MeV (n,n') Level
Cross Section
18-Ar-38
-17.21 To 0.031 %
Min Ratio
Max Ratio
endf Threshold 3.1664 MeV
matxs Threshold 3.1664 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
9
18-Ar-38

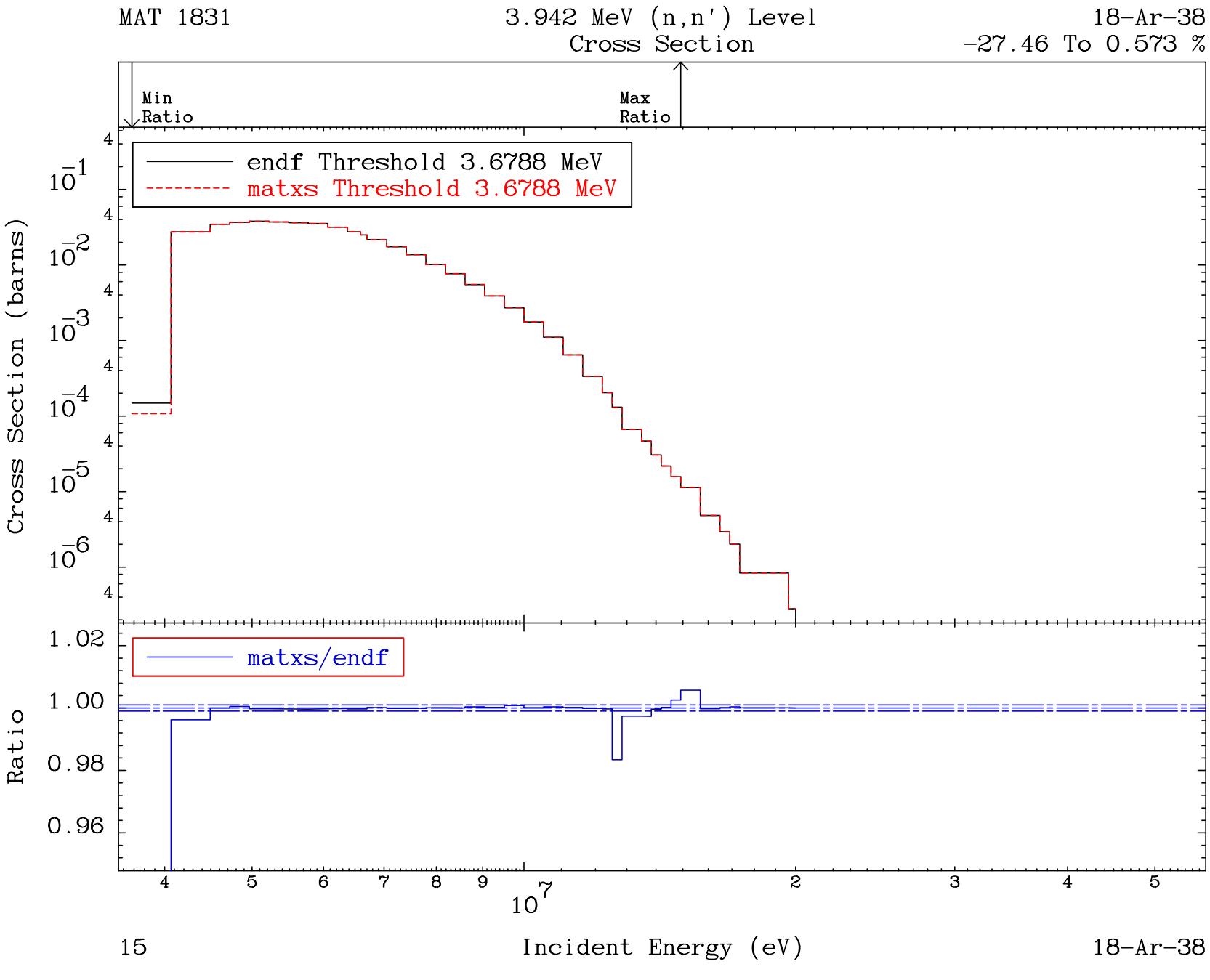

MAT 1831
3.464 MeV (n,n') Level
Cross Section
18-Ar-38
-1.482 To 0.520 %
Min Ratio
Max Ratio
endf Threshold 3.3287 MeV
matxs Threshold 3.3287 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
10
18-Ar-38

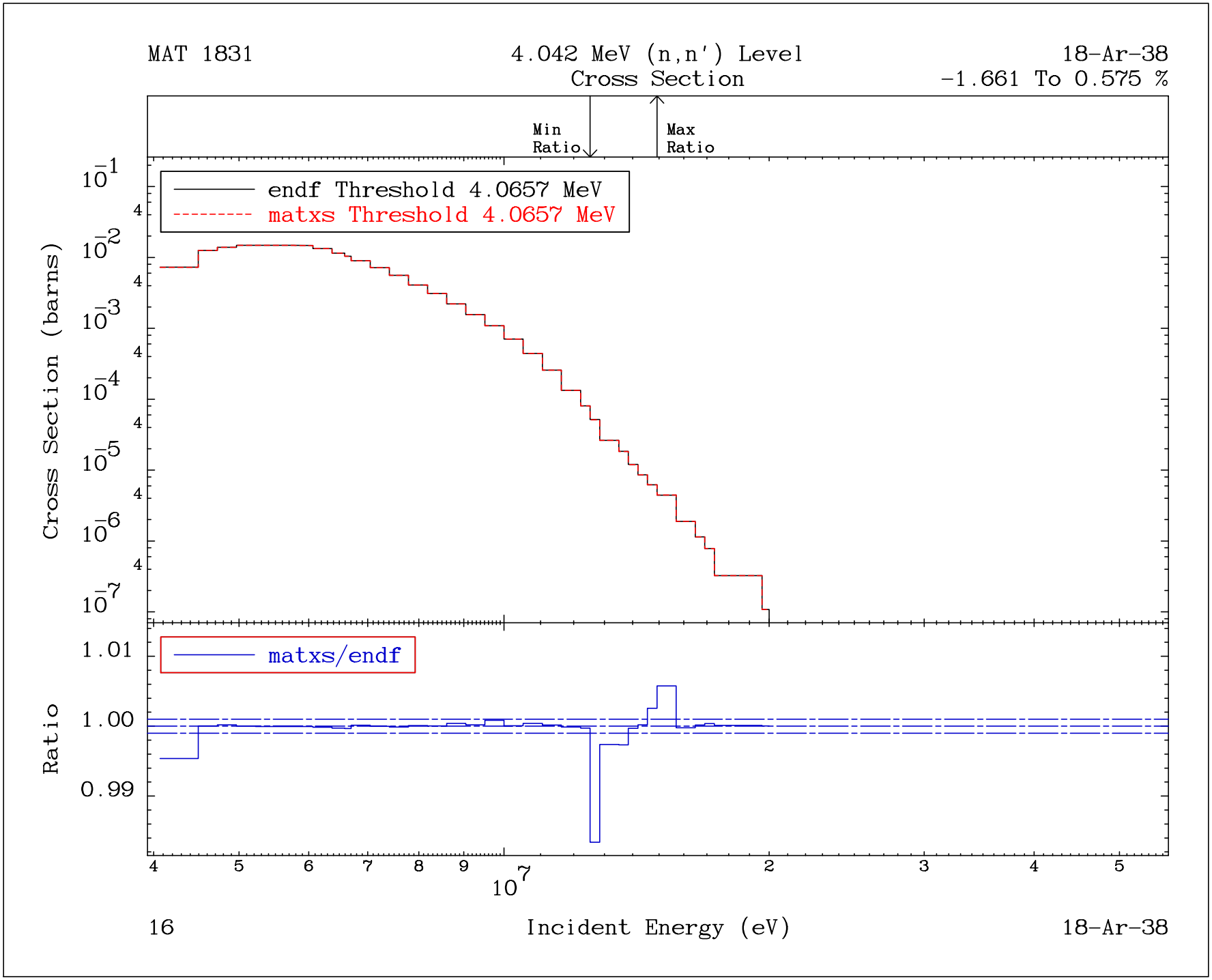

MAT 1831
3.511 MeV (n,n') Level
Cross Section
18-Ar-38
-1.662 To 20.02 %
Max Ratio
Min Ratio
endf Threshold 3.3287 MeV
matxs Threshold 3.3287 MeV
Cross Section (barns)
matxs/endf
Ratio
1.04
1.00
Incident Energy (eV)
11
18-Ar-38

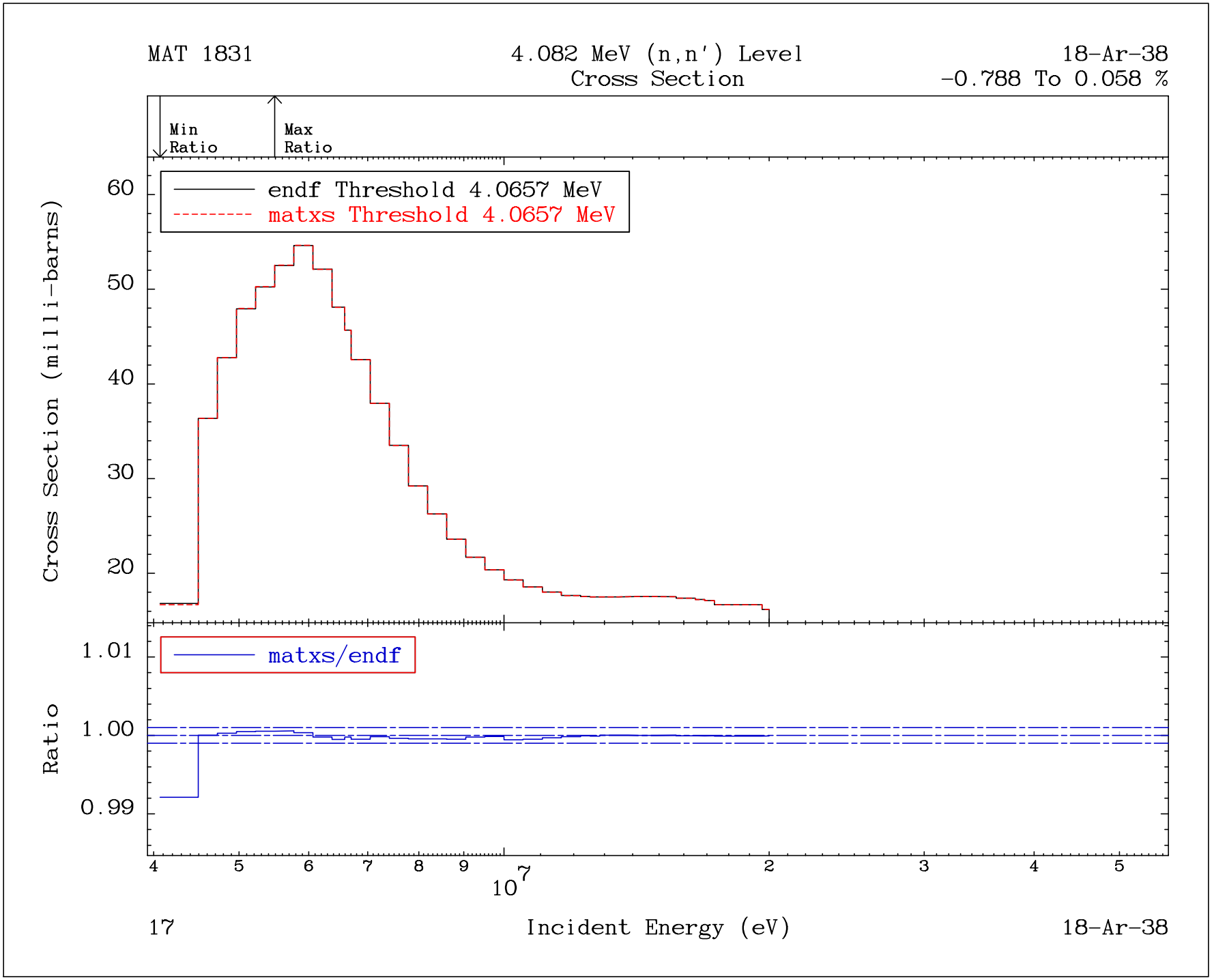

MAT 1831
3.515 MeV (n,n') Level
Cross Section
18-Ar-38
-8.985 To 0.553 %
Min Ratio
Max Ratio
endf Threshold 3.3287 MeV
matxs Threshold 3.3287 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
12
18-Ar-38

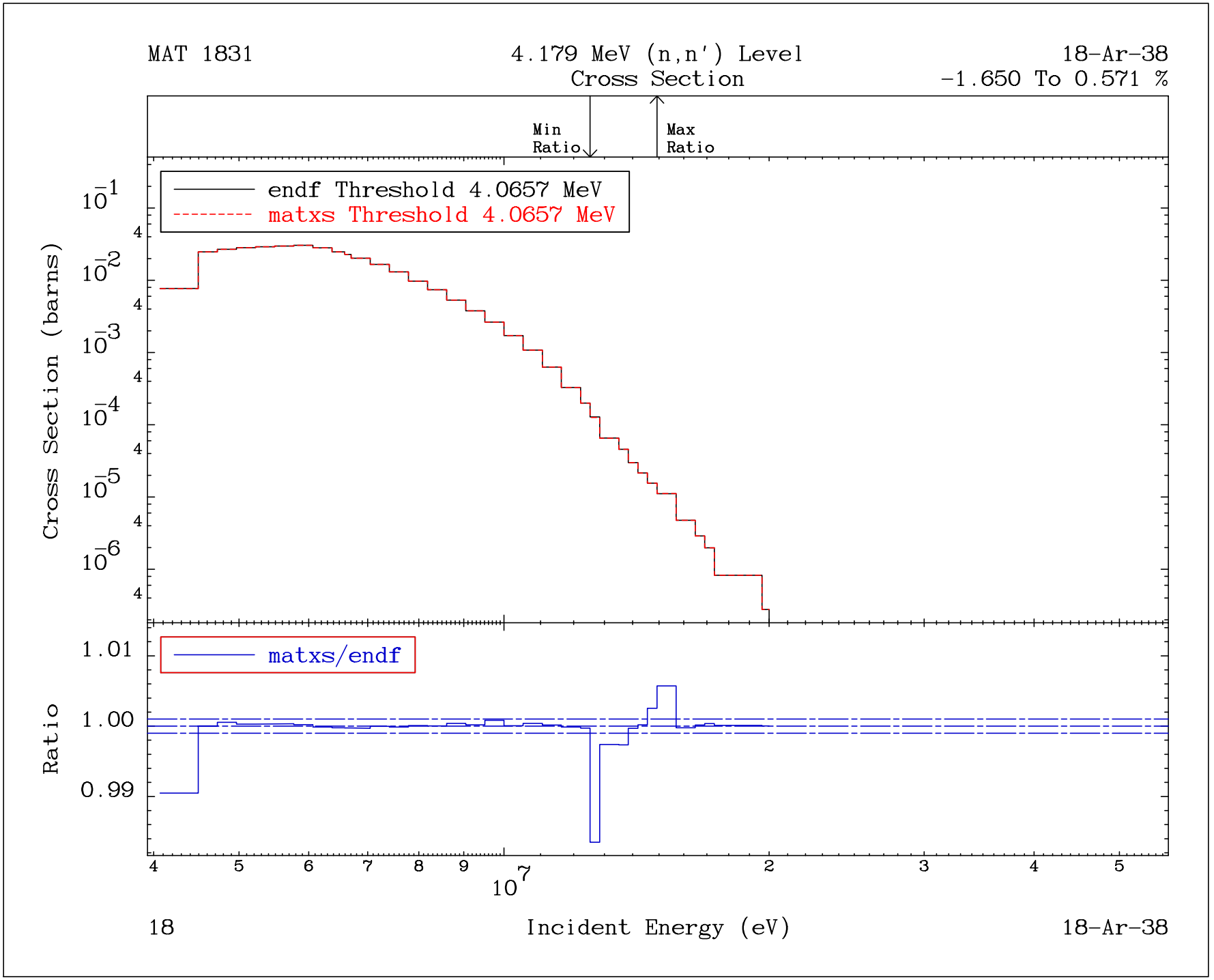

MAT 1831
3.681 MeV (n,n') Level
Cross Section
18-Ar-38
-1.343 To 0.019 %
Min Ratio
Max Ratio
endf Threshold 3.6788 MeV
matxs Threshold 3.6788 MeV
Cross Section (milli-barns)
90
80
70
60
50
40
30
20
matxs/endf
Ratio
1.00
0.99
4
5
6
7
8
9
10^7
2
3
4
5
13
Incident Energy (eV)
18-Ar-38

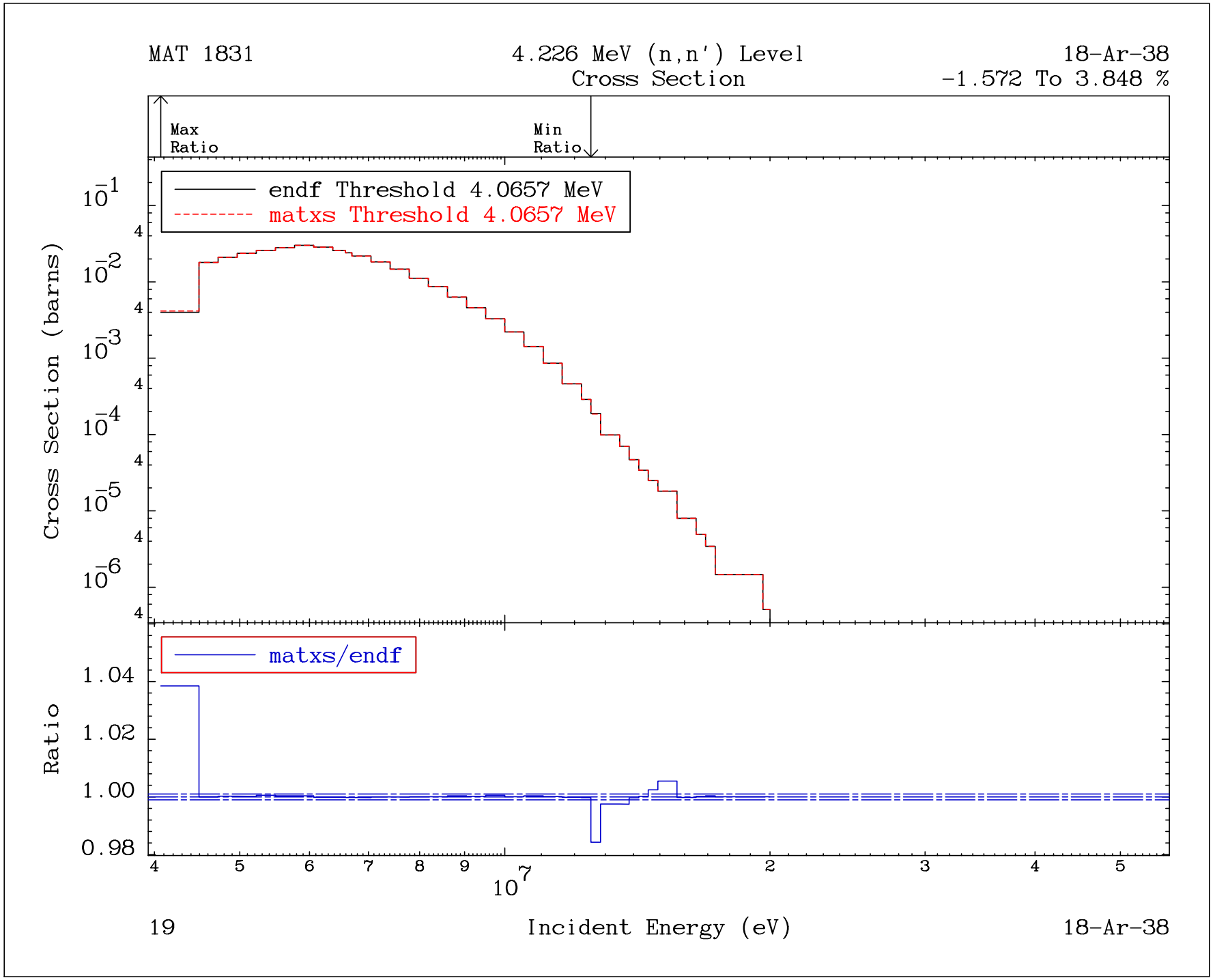

MAT 1831
3.919 MeV (n,n') Level
Cross Section
18-Ar-38
-3.554 To 0.076 %
Min Ratio
Max Ratio
endf Threshold 3.6788 MeV
matxs Threshold 3.6788 MeV
Cross Section (barns)
matxs/endf
Ratio
1.00
0.98
Incident Energy (eV)
14
18-Ar-38

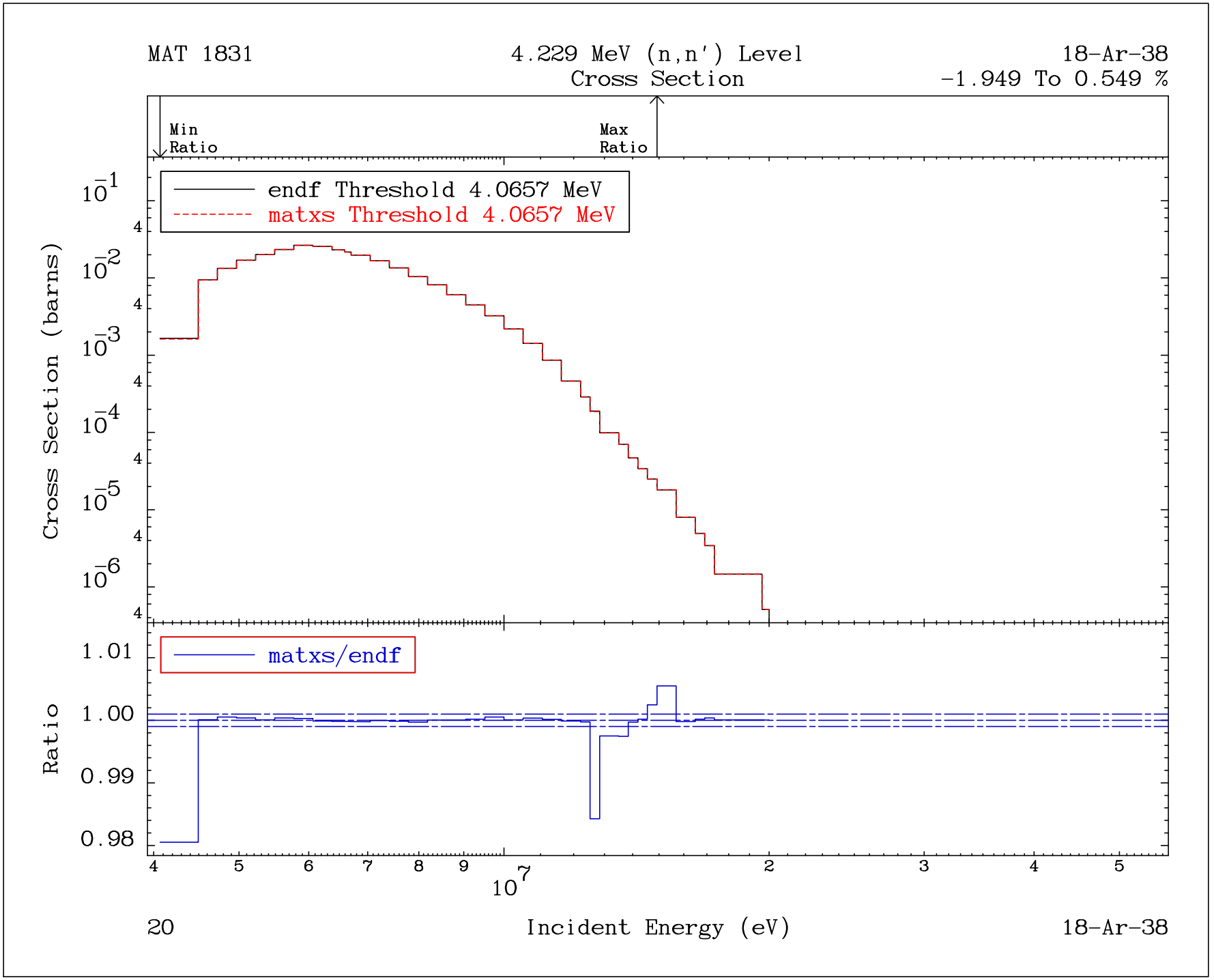

MAT 1831
3.942 MeV (n,n') Level
Cross Section
18-Ar-38
-27.46 To 0.573 %
Min Ratio
Max Ratio
endf Threshold 3.6788 MeV
matxs Threshold 3.6788 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
15
18-Ar-38

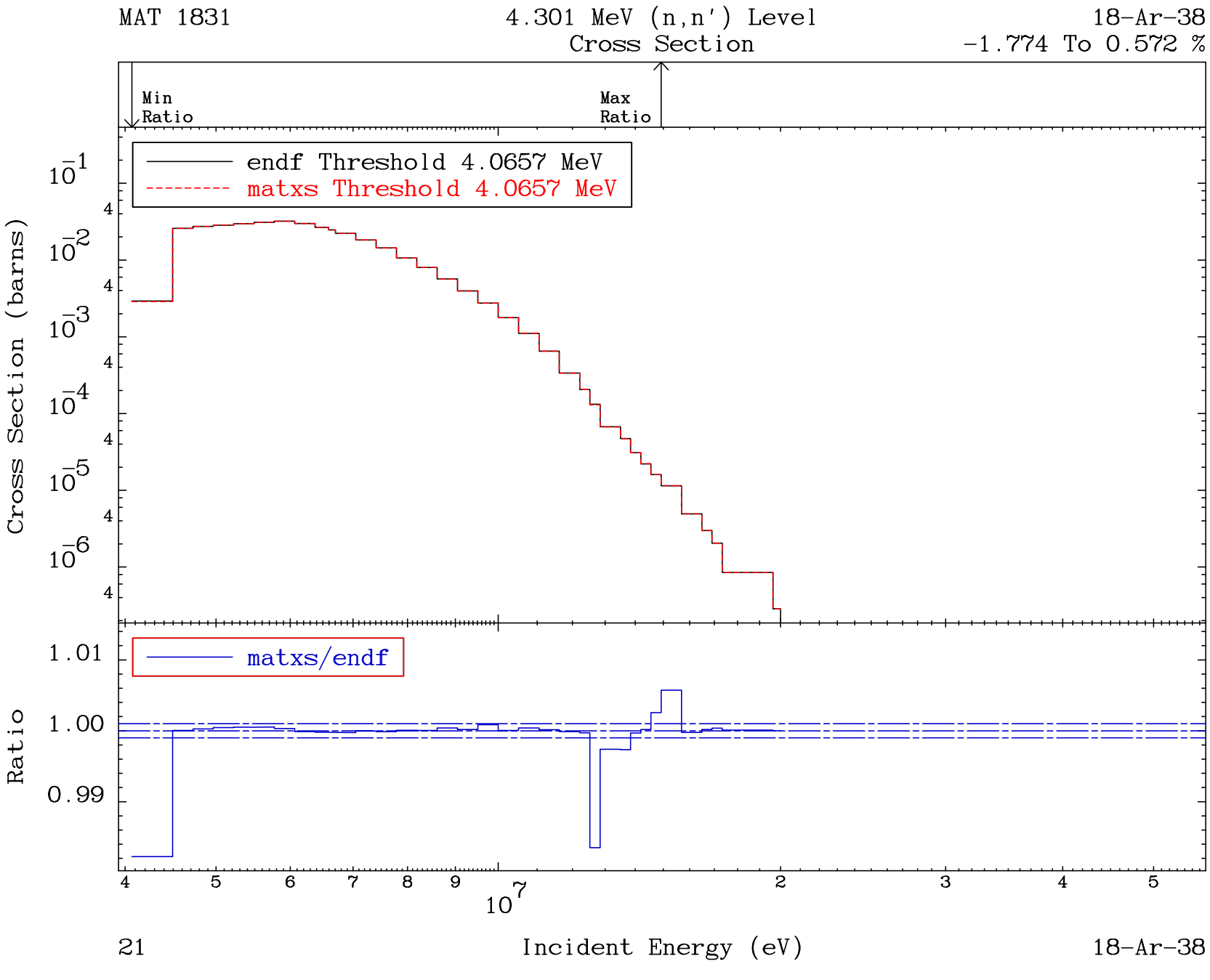

MAT 1831
4.042 MeV (n,n') Level
Cross Section
18-Ar-38
-1.661 To 0.575 %
Min Ratio
Max Ratio
endf Threshold 4.0657 MeV
matxs Threshold 4.0657 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
16
18-Ar-38

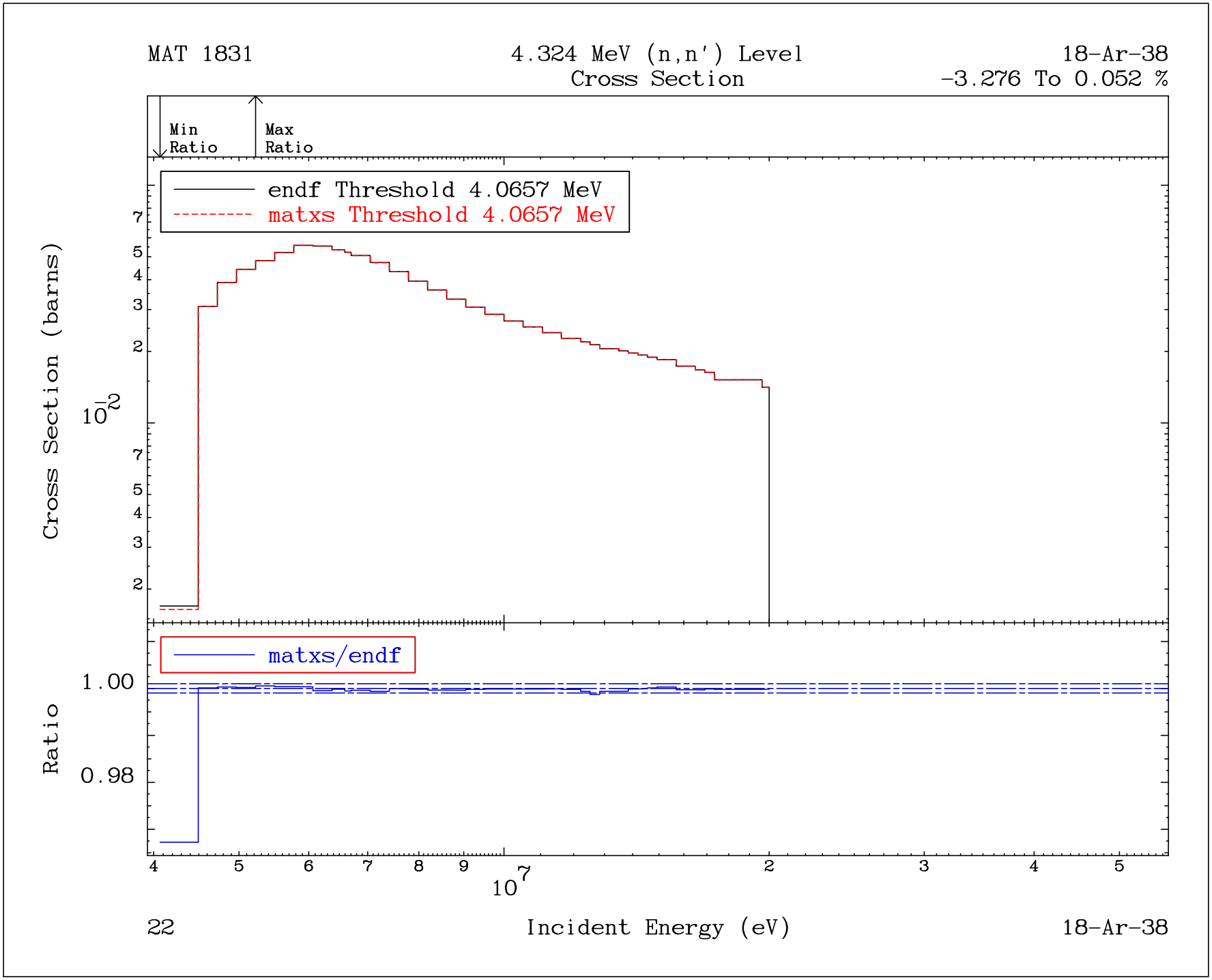

MAT 1831
4.082 MeV (n,n') Level
Cross Section
18-Ar-38
-0.788 To 0.058 %
Min Ratio
Max Ratio
endf Threshold 4.0657 MeV
matxs Threshold 4.0657 MeV
Cross Section (milli-barns)
60
50
40
30
20
matxs/endf
Ratio
1.01
1.00
0.99
4
5
6
7
8
9
10^7
2
3
4
5
17
Incident Energy (eV)
18-Ar-38

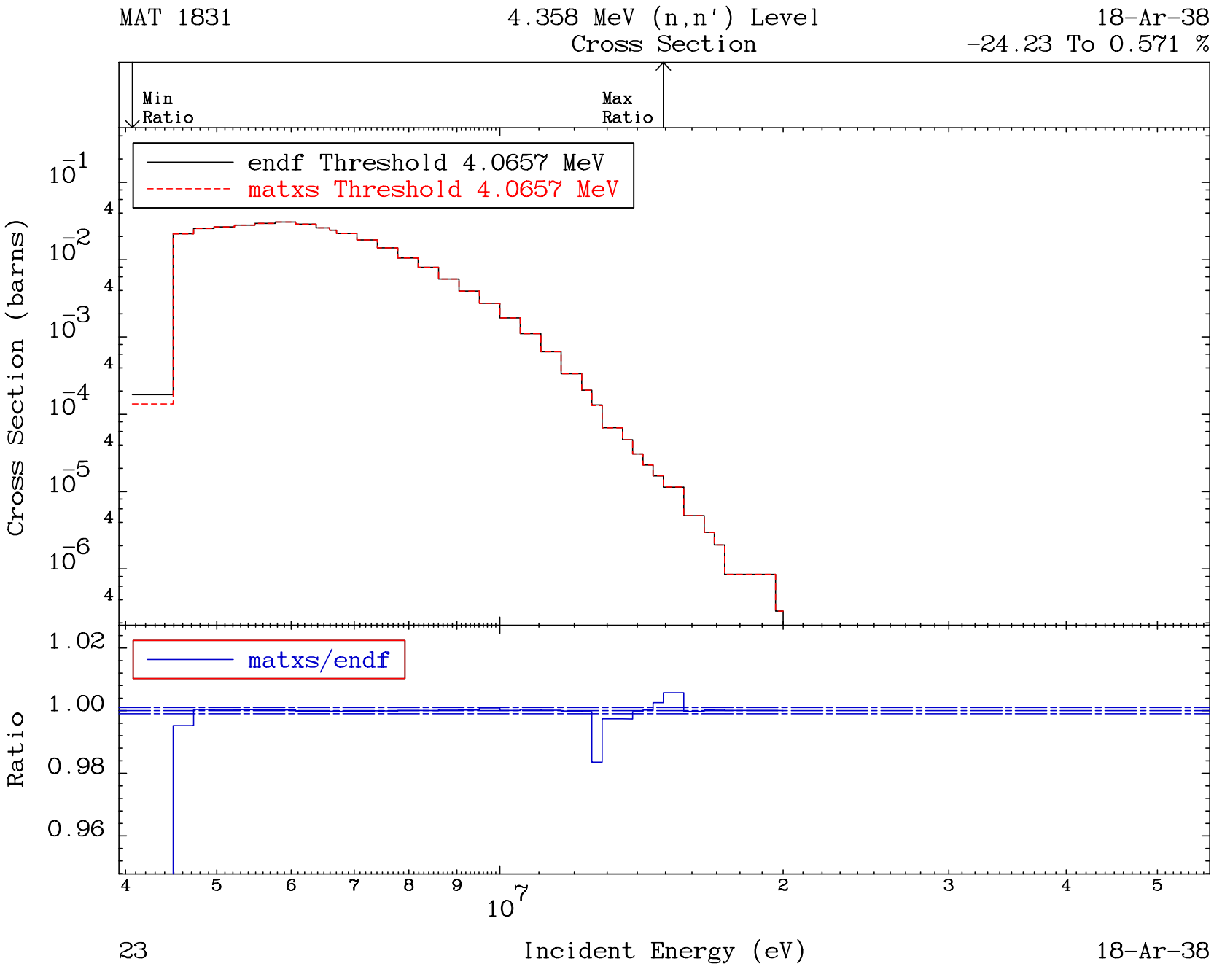

MAT 1831
4.179 MeV (n,n') Level
Cross Section
18-Ar-38
-1.650 To 0.571 %
Min Ratio
Max Ratio
endf Threshold 4.0657 MeV
matxs Threshold 4.0657 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
18
18-Ar-38

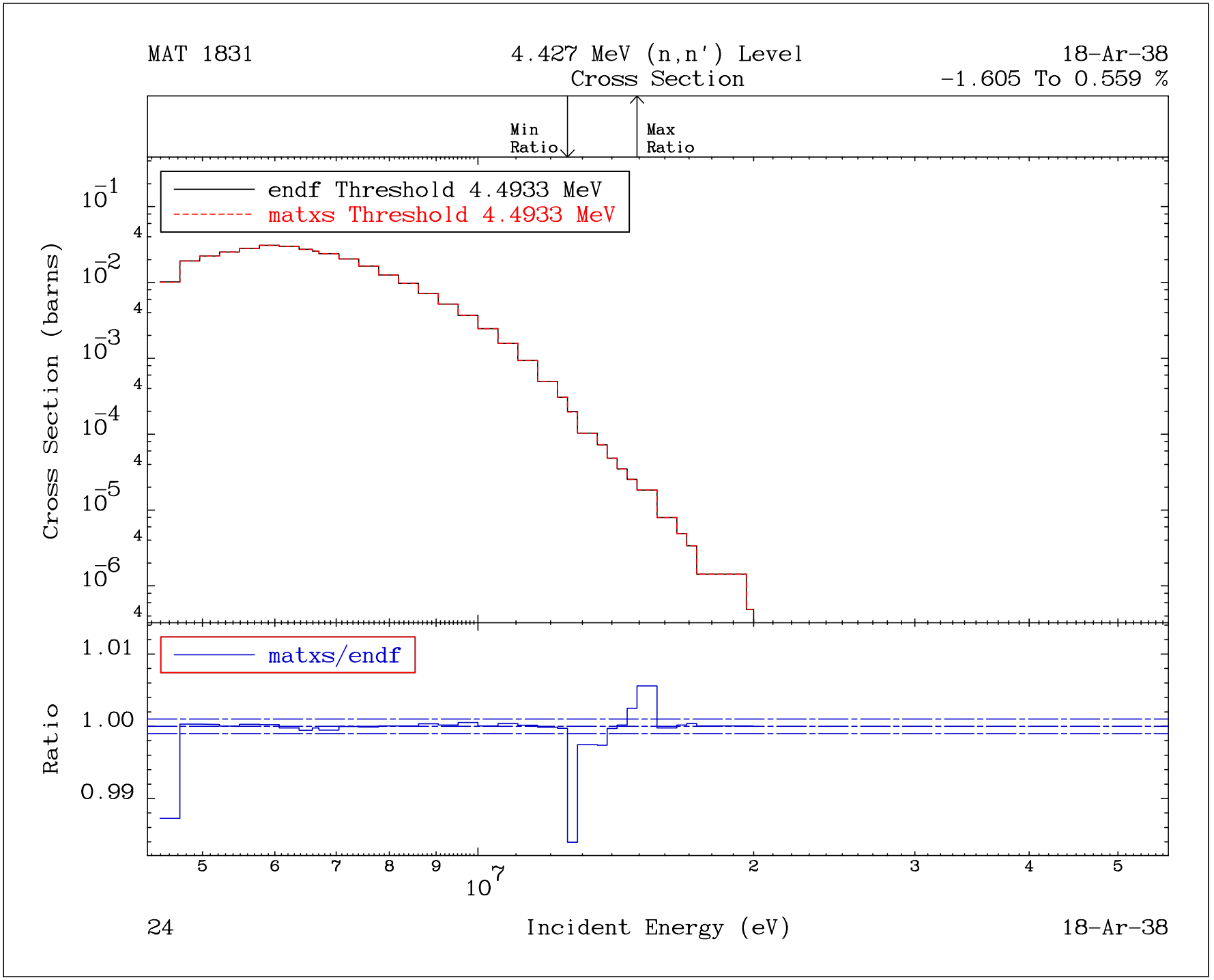

MAT 1831
4.226 MeV (n,n') Level
Cross Section
18-Ar-38
-1.572 To 3.848 %
Max Ratio
Min Ratio
endf Threshold 4.0657 MeV
matxs Threshold 4.0657 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
19
18-Ar-38

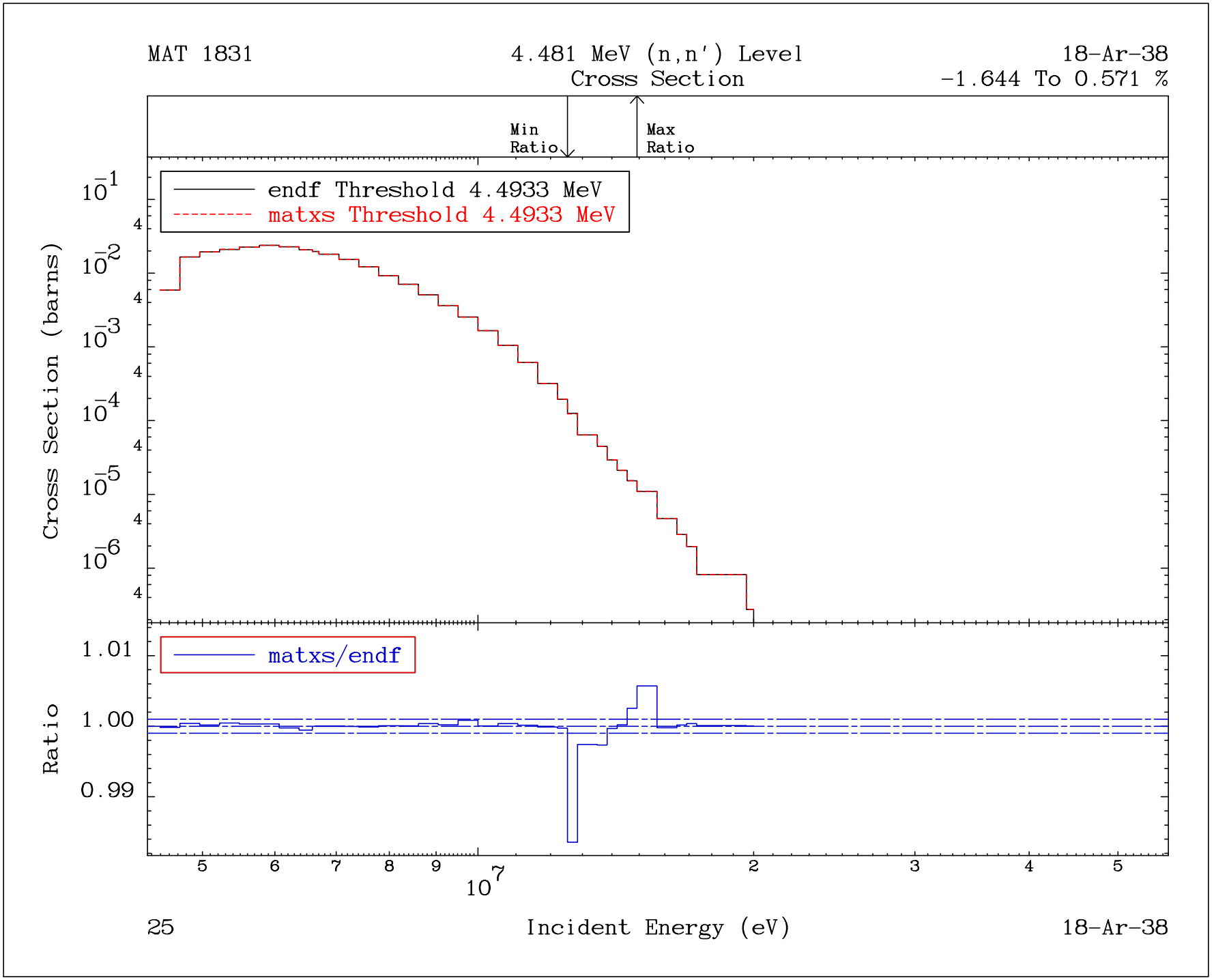

MAT 1831
4.229 MeV (n,n') Level
Cross Section
18-Ar-38
-1.949 To 0.549 %
Min Ratio
Max Ratio
endf Threshold 4.0657 MeV
matxs Threshold 4.0657 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
20
18-Ar-38

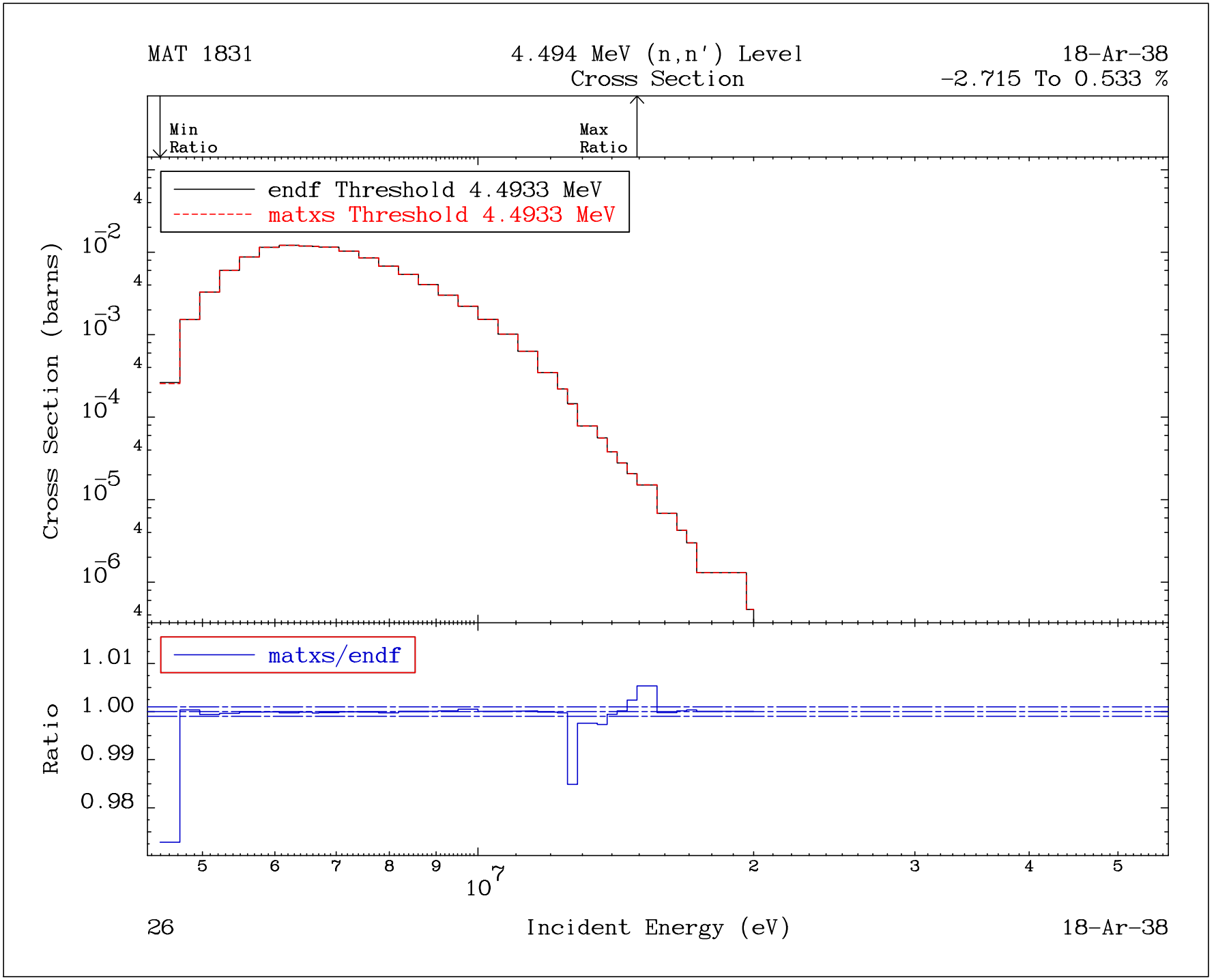

MAT 1831
4.301 MeV (n,n') Level
Cross Section
18-Ar-38
-1.774 To 0.572 %
Min Ratio
Max Ratio
endf Threshold 4.0657 MeV
matxs Threshold 4.0657 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
21
18-Ar-38

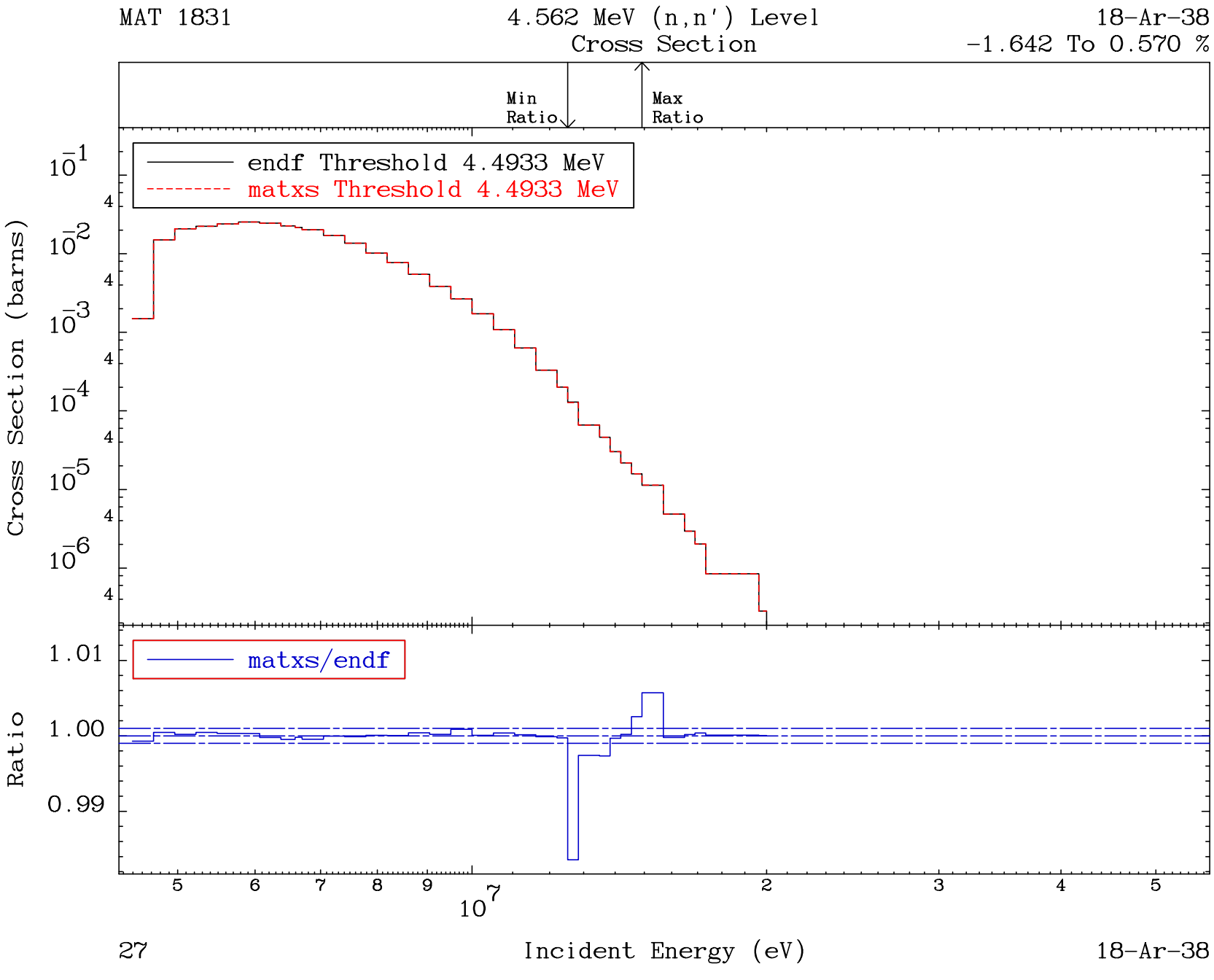

MAT 1831
4.324 MeV (n,n') Level
Cross Section
18-Ar-38
-3.276 To 0.052 %
Min Ratio
Max Ratio
endf Threshold 4.0657 MeV
matxs Threshold 4.0657 MeV
Cross Section (barns)
10^-2
matxs/endf
Ratio
1.00
0.98
10^7
22
Incident Energy (eV)
18-Ar-38

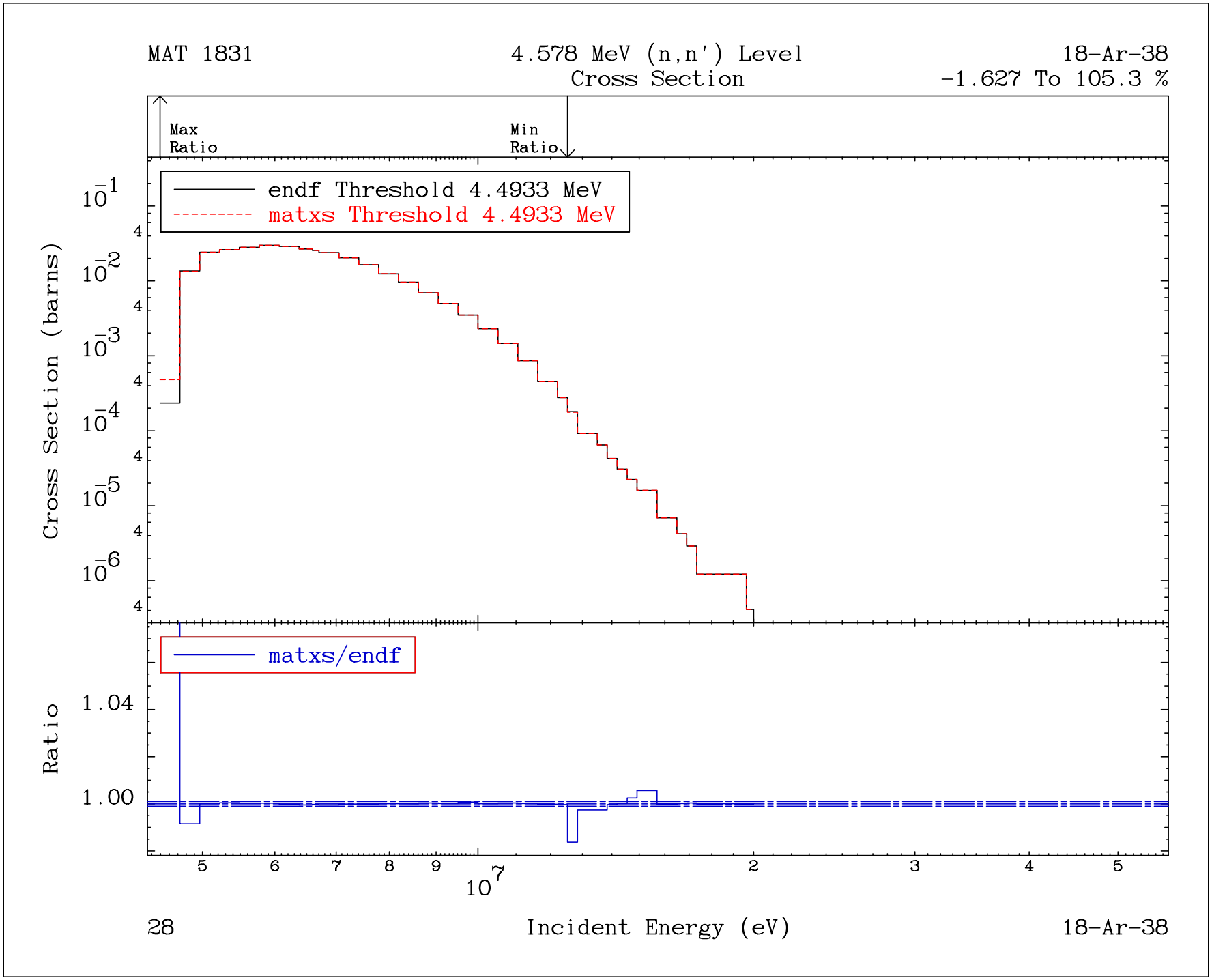

MAT 1831
4.358 MeV (n,n') Level
Cross Section
18-Ar-38
-24.23 To 0.571 %
Min Ratio
Max Ratio
endf Threshold 4.0657 MeV
matxs Threshold 4.0657 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
23
18-Ar-38

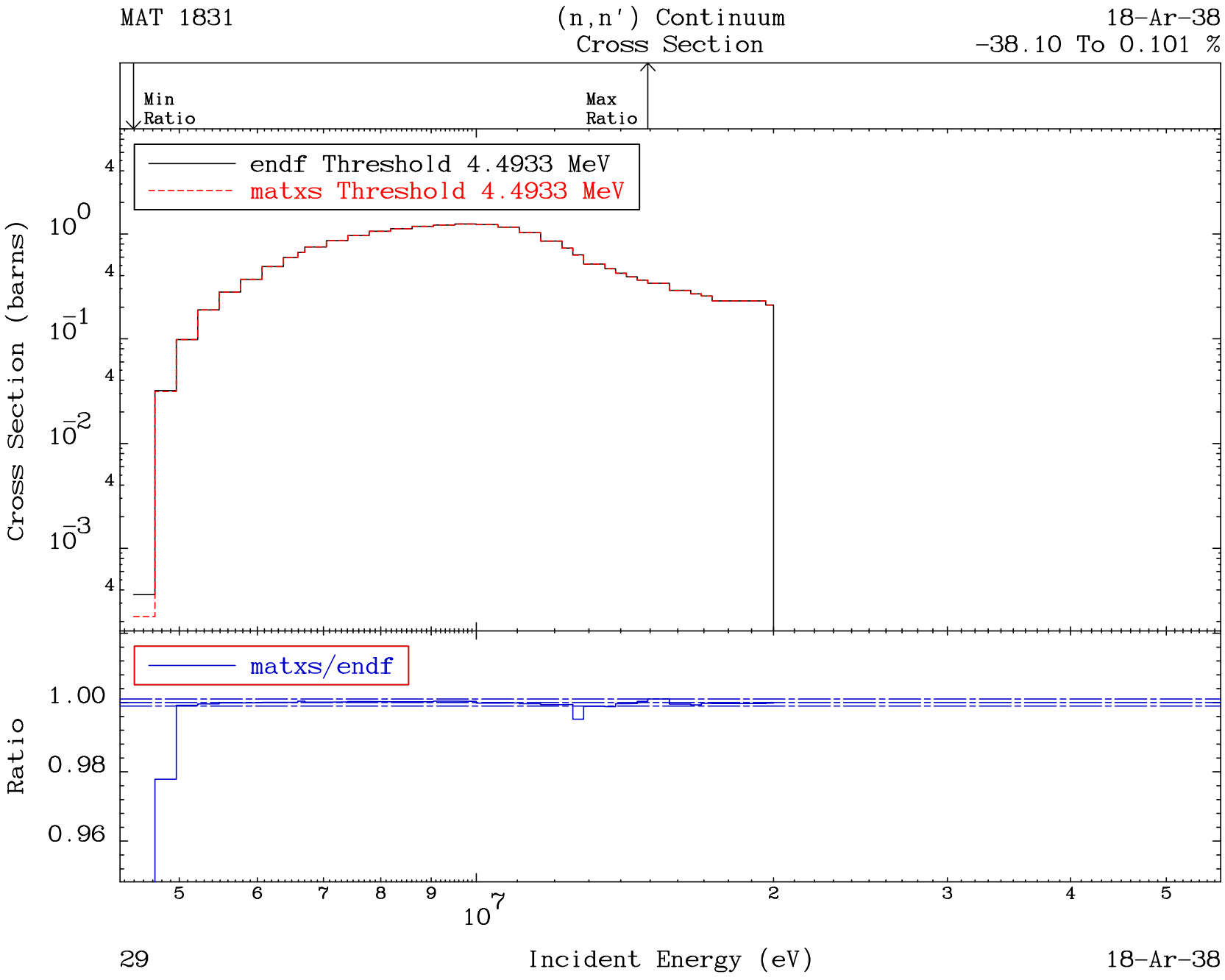

MAT 1831
4.427 MeV (n,n') Level
Cross Section
18-Ar-38
-1.605 To 0.559 %
Min Ratio
Max Ratio
endf Threshold 4.4933 MeV
matxs Threshold 4.4933 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
24
18-Ar-38

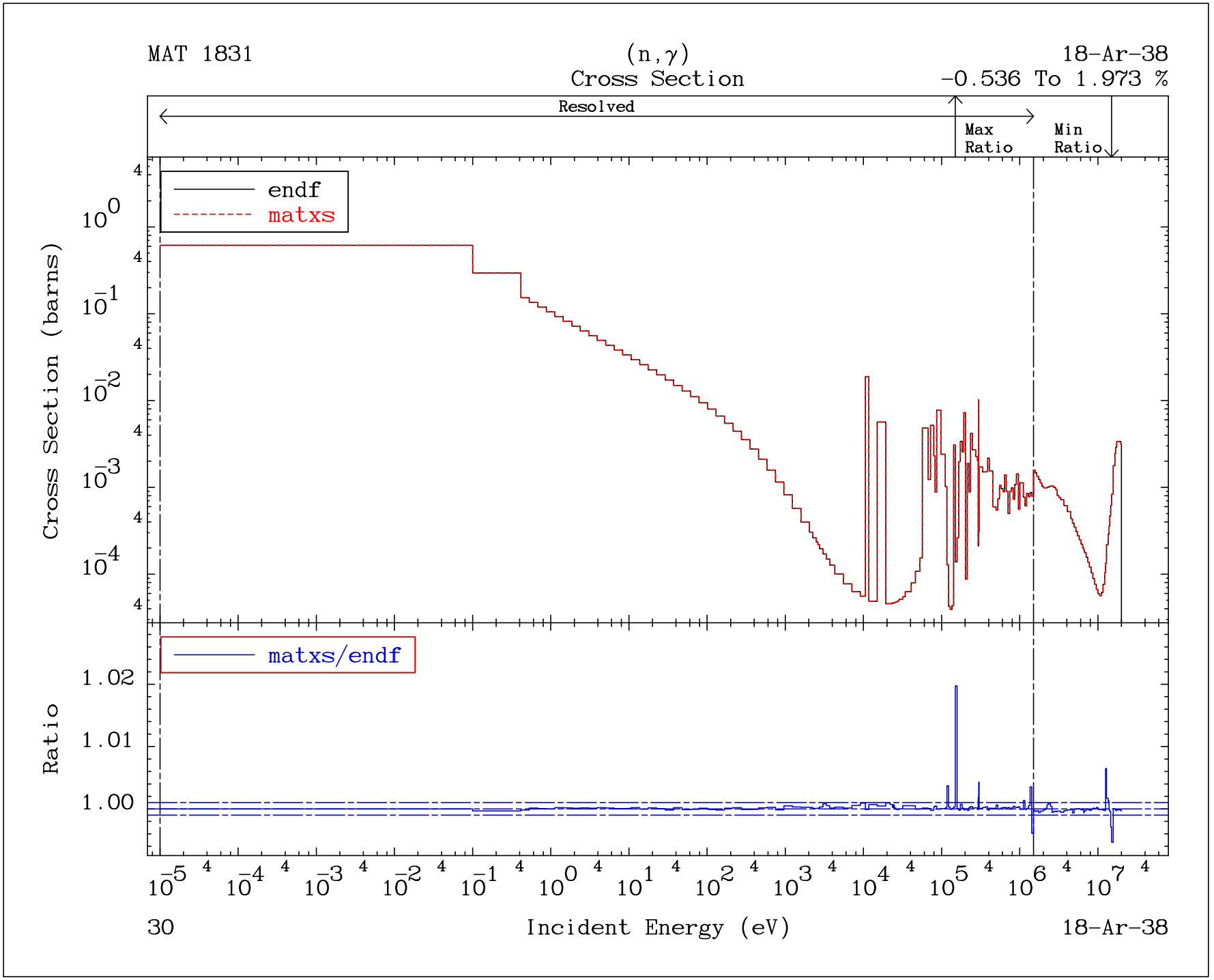

MAT 1831
4.481 MeV (n,n') Level
Cross Section
18-Ar-38
-1.644 To 0.571 %
Min Ratio
Max Ratio
endf Threshold 4.4933 MeV
matxs Threshold 4.4933 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
25
18-Ar-38

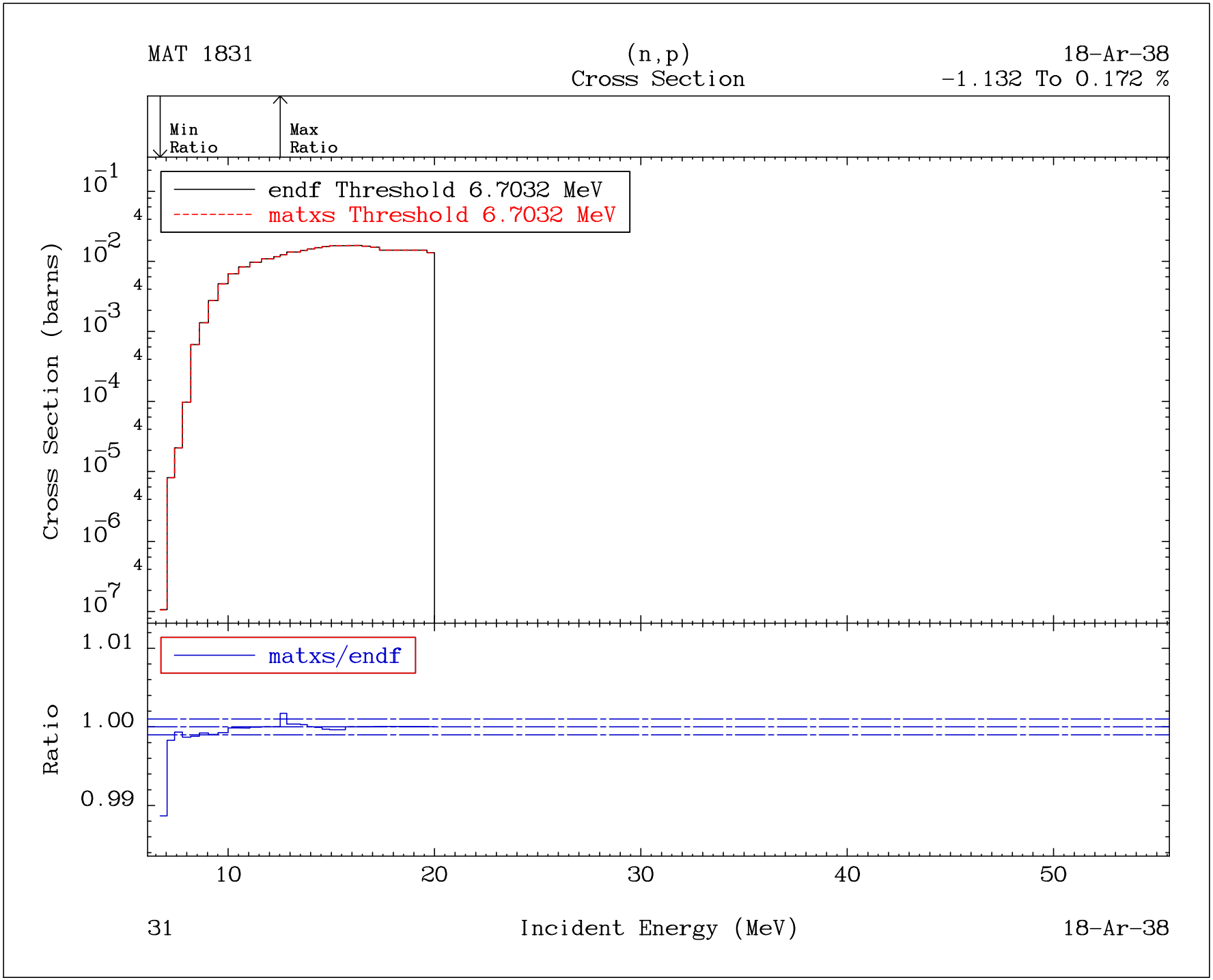

MAT 1831
4.494 MeV (n,n') Level
Cross Section
18-Ar-38
-2.715 To 0.533 %
Min Ratio
Max Ratio
endf Threshold 4.4933 MeV
matxs Threshold 4.4933 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
26
18-Ar-38

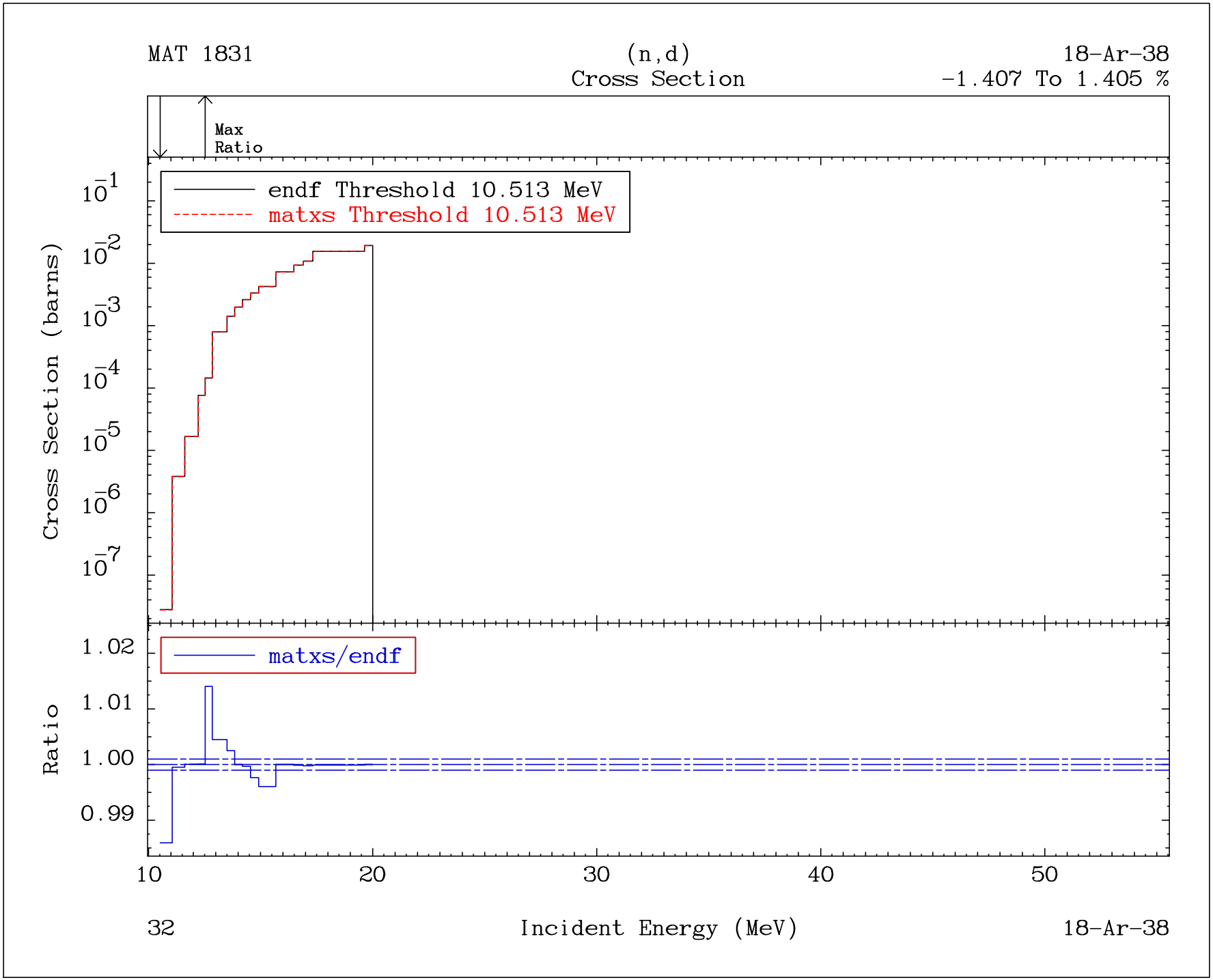

MAT 1831
4.562 MeV (n,n') Level
Cross Section
18-Ar-38
-1.642 To 0.570 %
Min Ratio
Max Ratio
endf Threshold 4.4933 MeV
matxs Threshold 4.4933 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
27
18-Ar-38

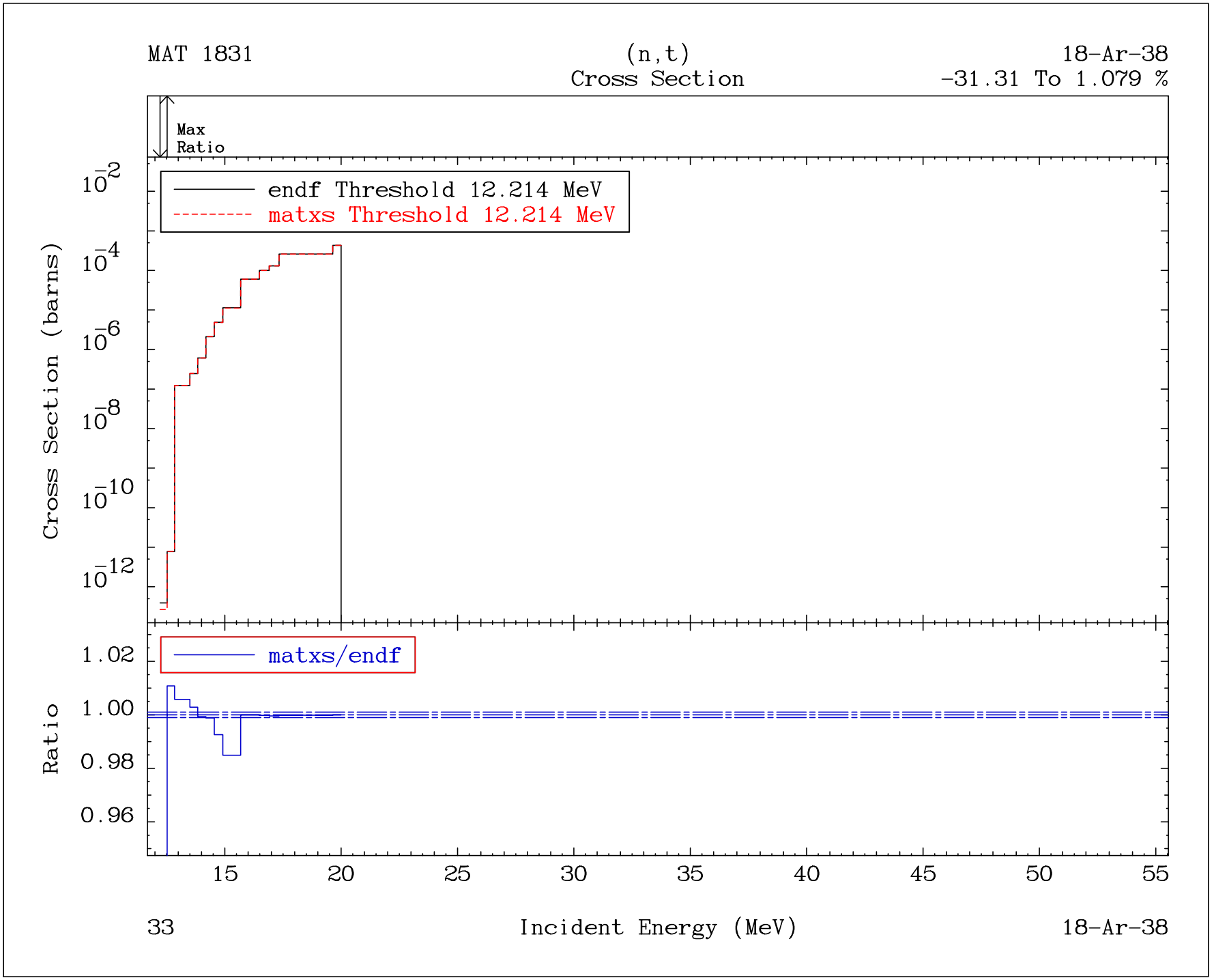

MAT 1831
4.578 MeV (n,n') Level
Cross Section
18-Ar-38
-1.627 To 105.3 %
Max Ratio
Min Ratio
endf Threshold 4.4933 MeV
matxs Threshold 4.4933 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
28
18-Ar-38

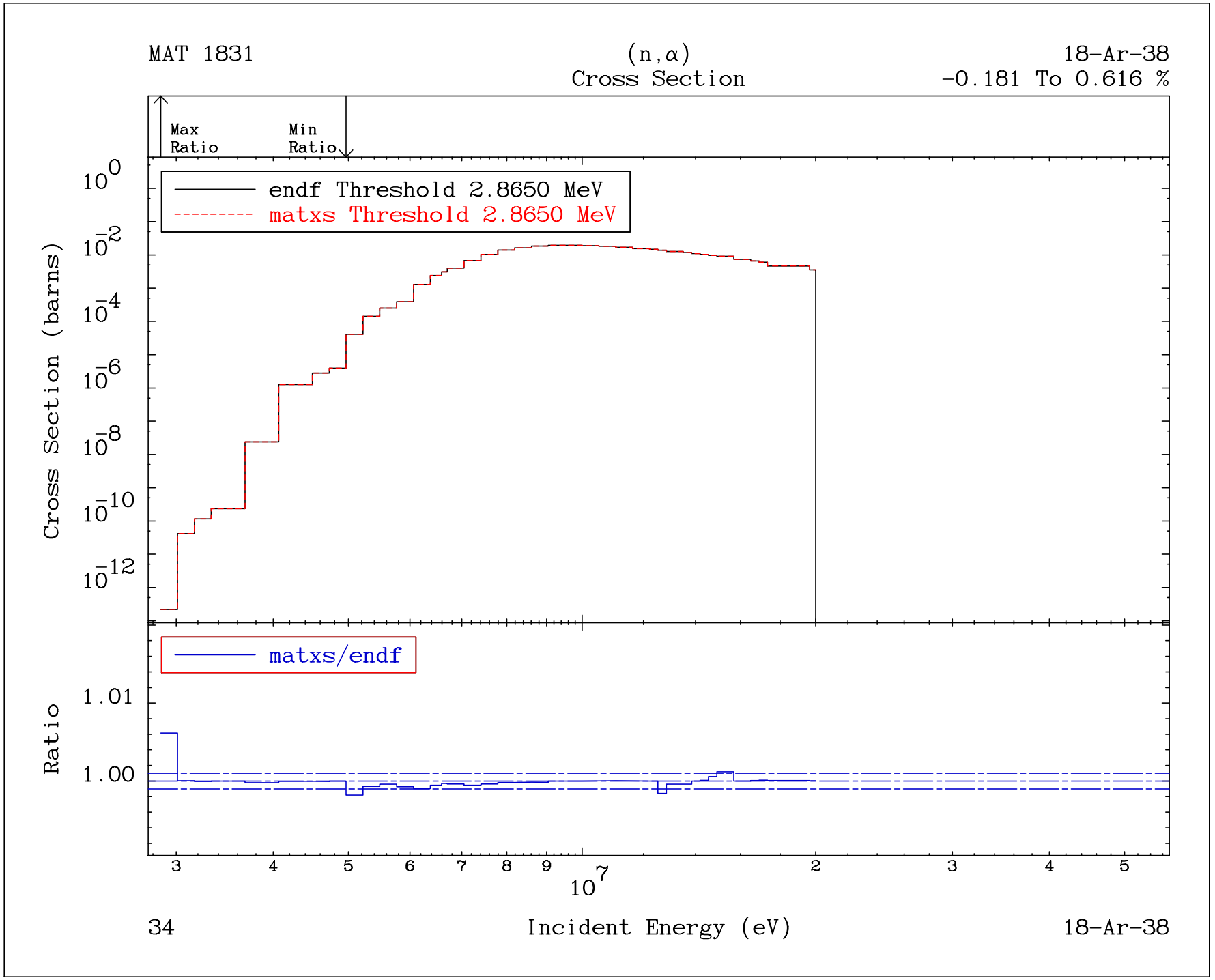

MAT 1831
(n,n') Continuum
Cross Section
18-Ar-38
-38.10 To 0.101 %
Min Ratio
Max Ratio
endf Threshold 4.4933 MeV
matxs Threshold 4.4933 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
29
18-Ar-38


MAT 1831
(n,γ)
Cross Section
18-Ar-38
-0.536 To 1.973 %
Resolved
Max Ratio
Min Ratio
endf
matxs
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
30
18-Ar-38


MAT 1831
(n,p)
Cross Section
18-Ar-38
-1.132 To 0.172 %
Min Ratio
Max Ratio
endf Threshold 6.7032 MeV
matxs Threshold 6.7032 MeV
Cross Section (barns)
matxs/endf
Ratio
1.01
1.00
0.99
10
20
30
40
50
31
Incident Energy (MeV)
18-Ar-38


MAT 1831
(n,d)
Cross Section
18-Ar-38
-1.407 To 1.405 %
Max
Ratio
endf Threshold 10.513 MeV
matxs Threshold 10.513 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (MeV)
32
18-Ar-38


MAT 1831
(n,t)
Cross Section
18-Ar-38
-31.31 To 1.079 %
Max
Ratio
endf Threshold 12.214 MeV
matxs Threshold 12.214 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (MeV)
33
18-Ar-38


MAT 1831
(n,α)
Cross Section
18-Ar-38
-0.181 To 0.616 %
Max Ratio
Min Ratio
endf Threshold 2.8650 MeV
matxs Threshold 2.8650 MeV
Cross Section (barns)
matxs/endf
Ratio
Incident Energy (eV)
34
18-Ar-38