Program Complot
(Version 2021-1)
by
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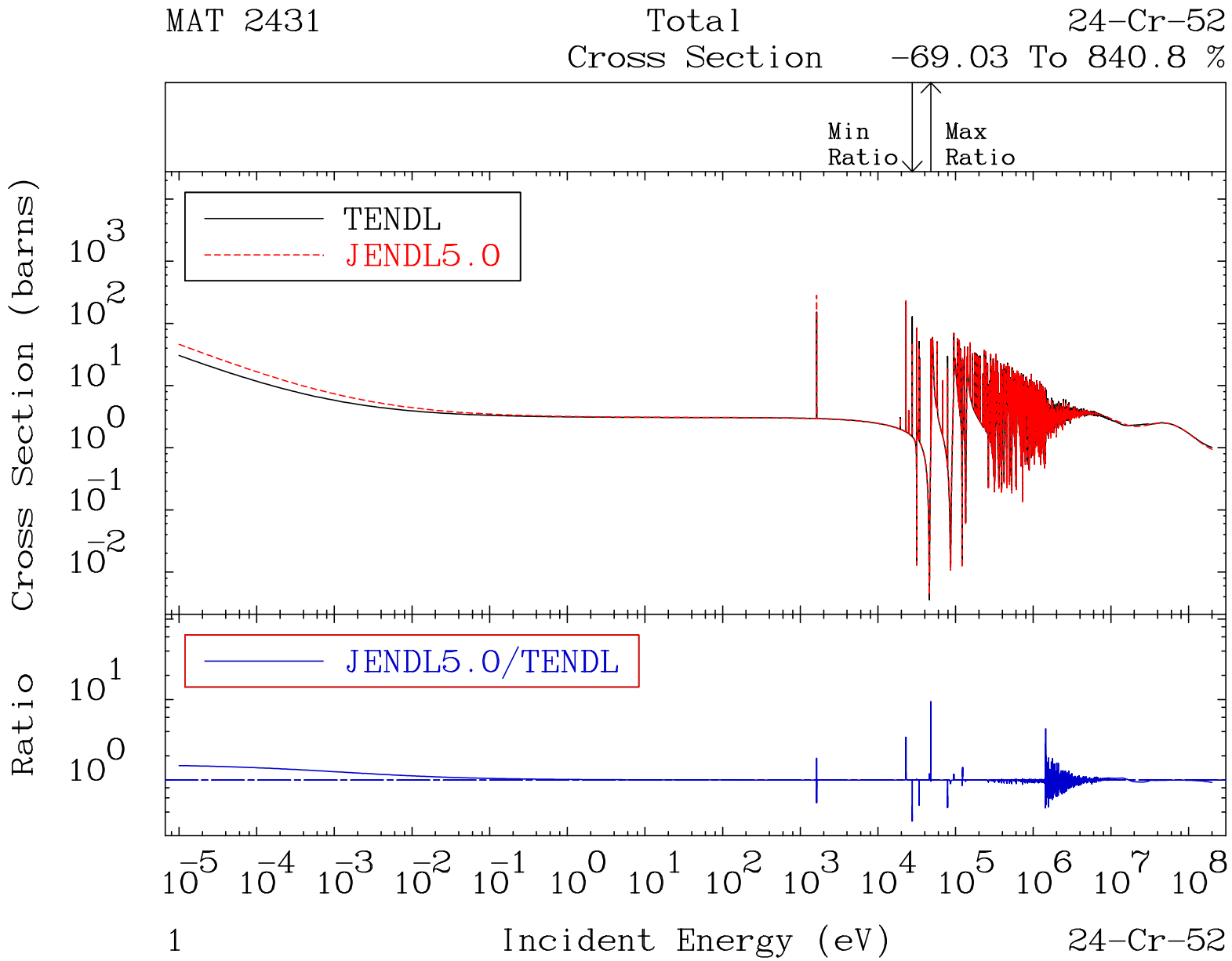
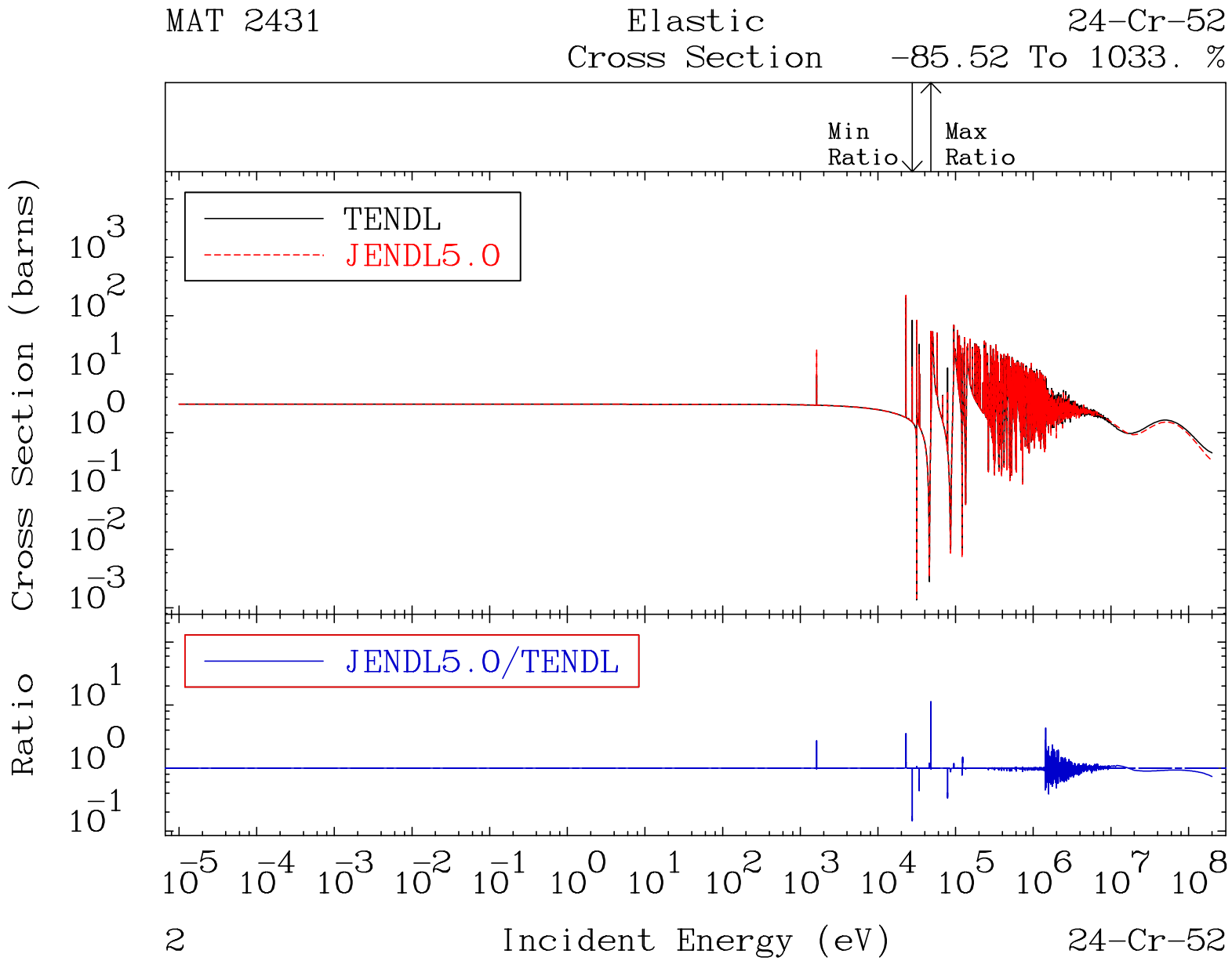
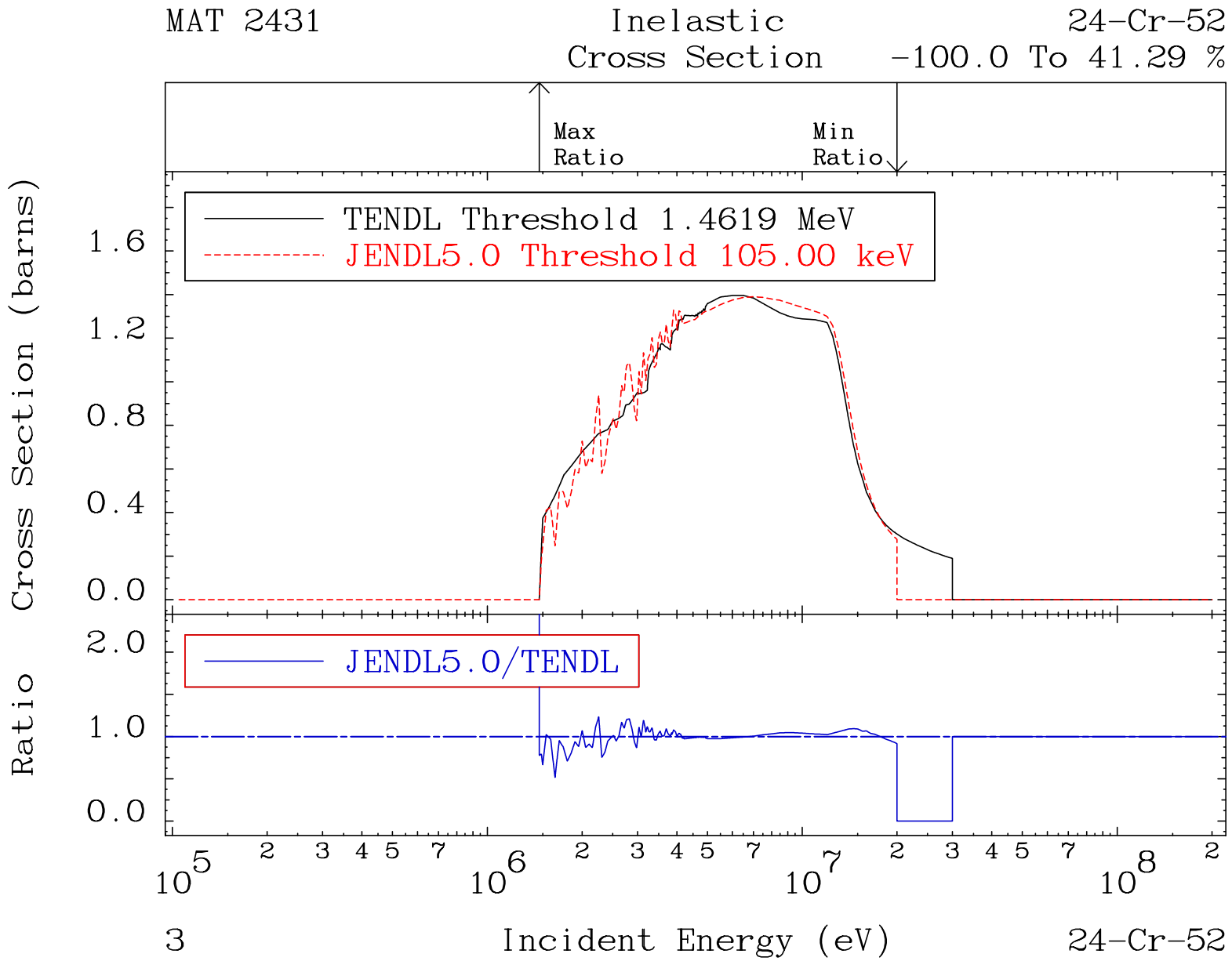
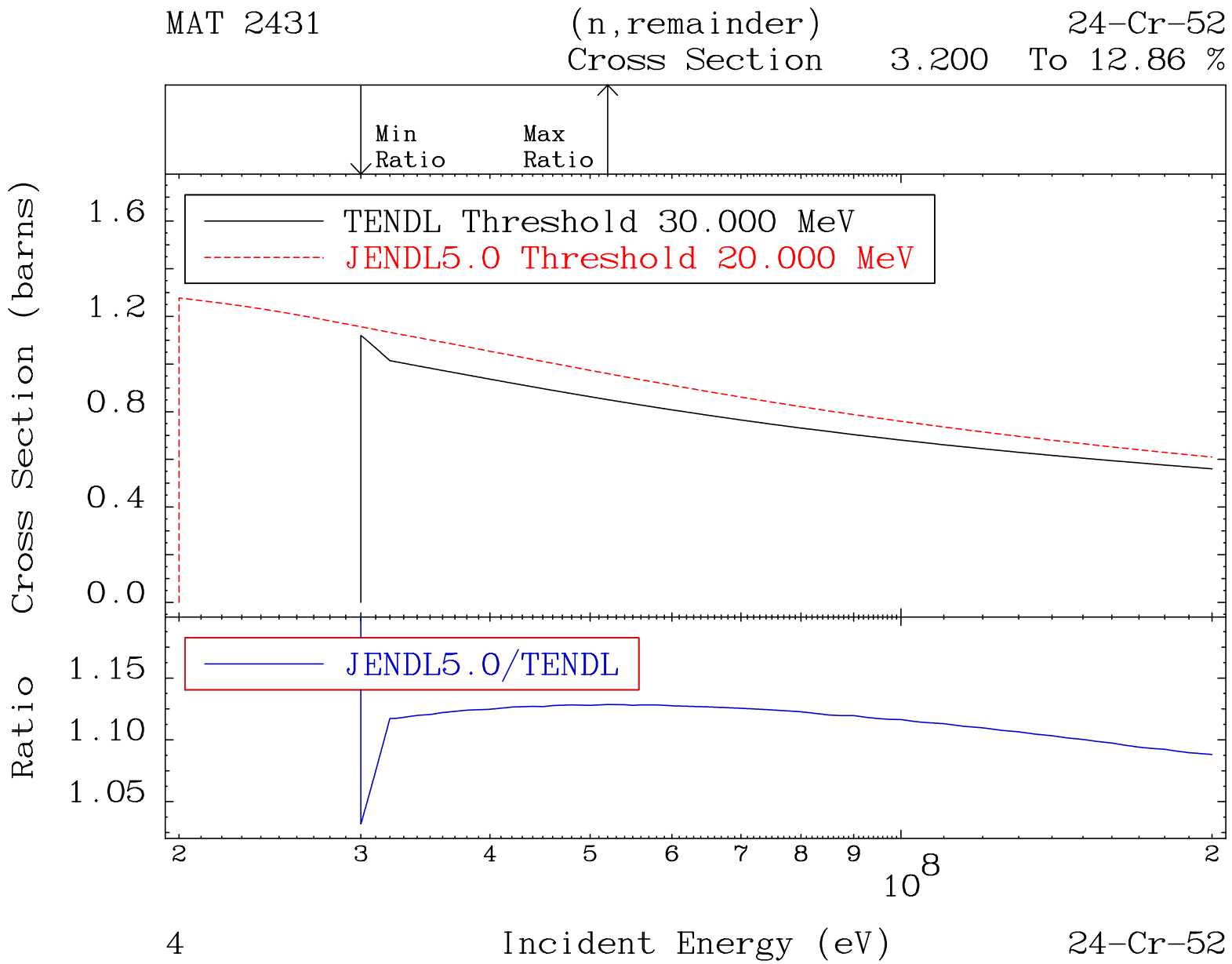
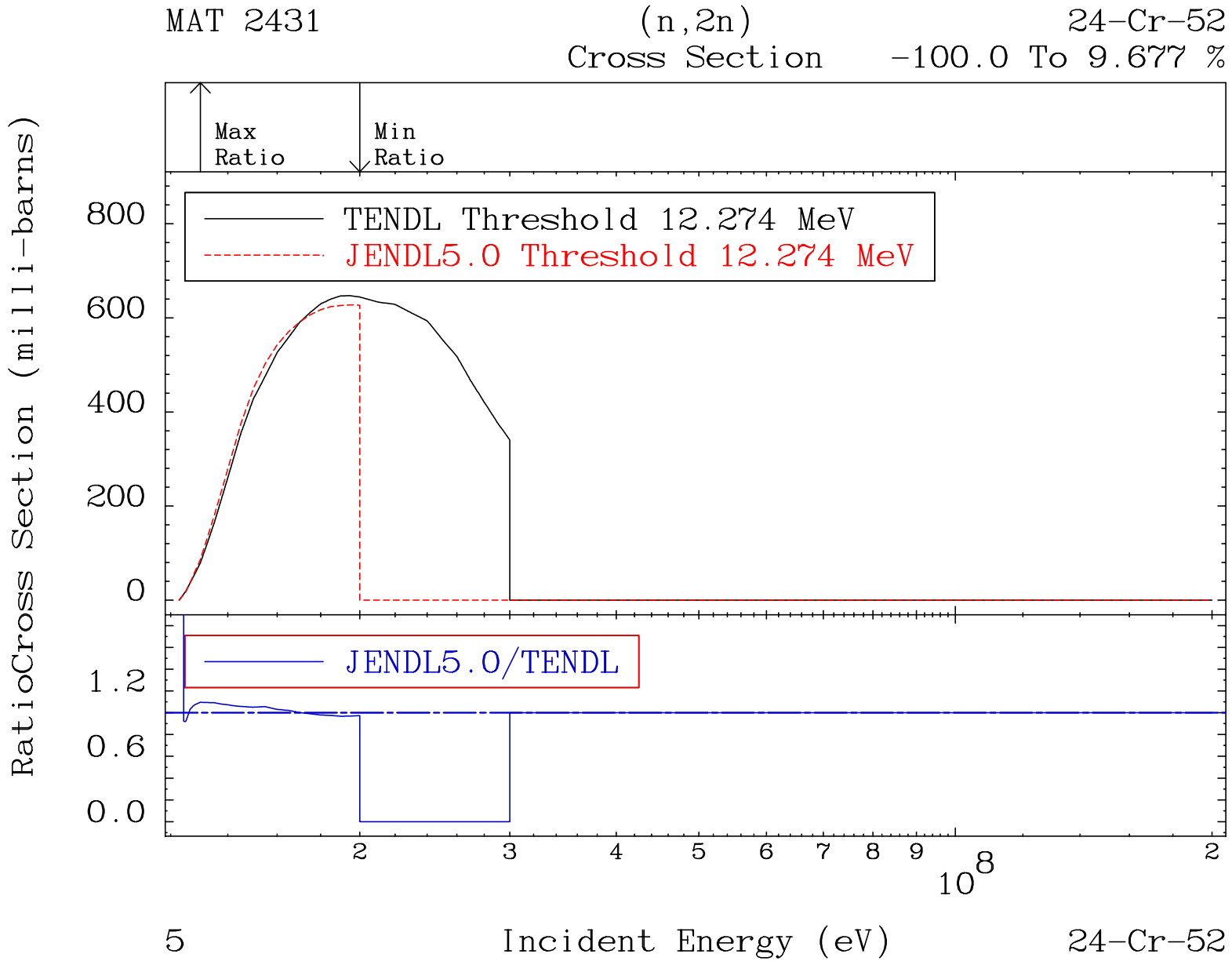
Press Mouse Button to Start

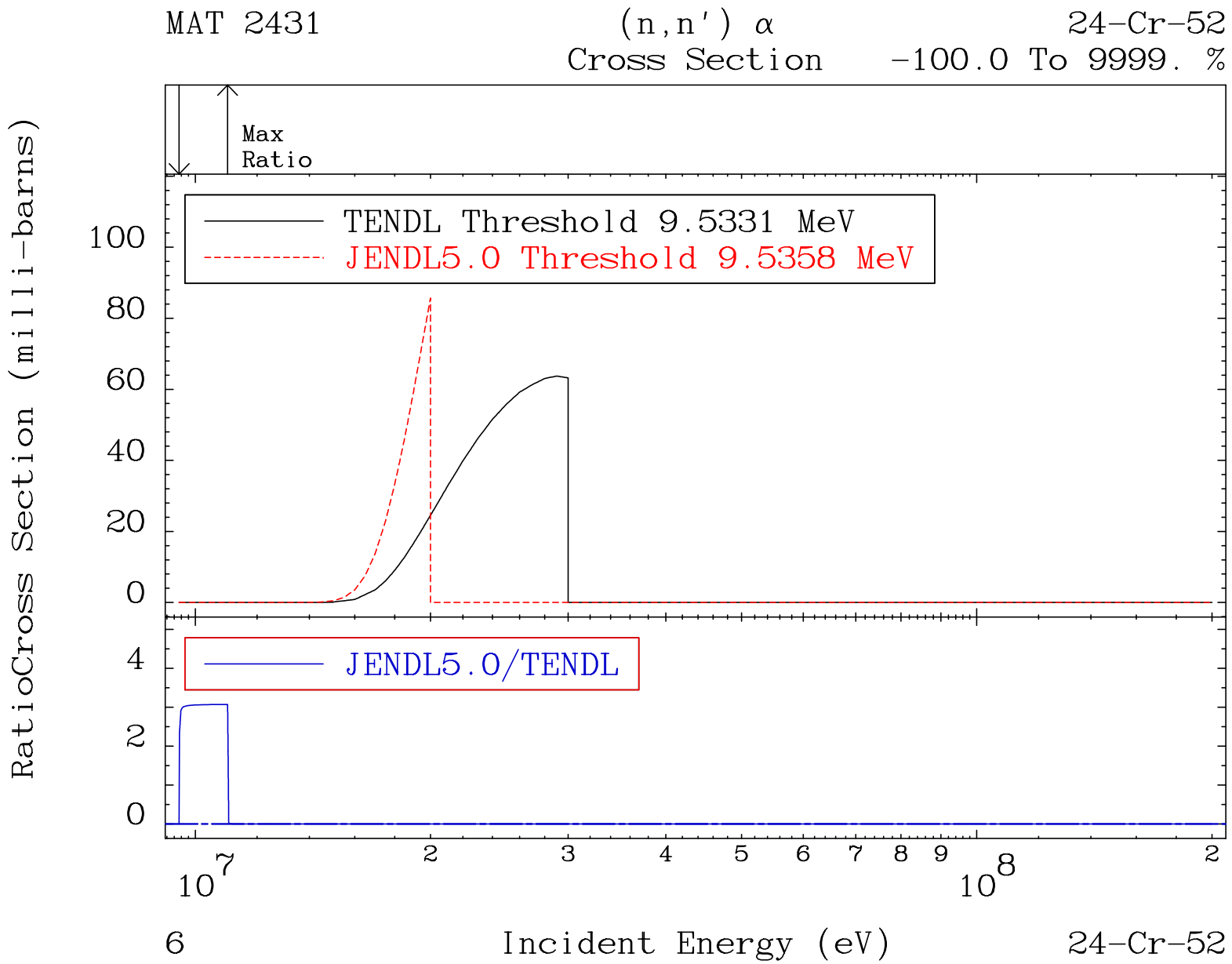

MAT 2431
Total
Cross Section
24-Cr-52
-69.03 To 840.8 %
Min
Ratio
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
1
24-Cr-52

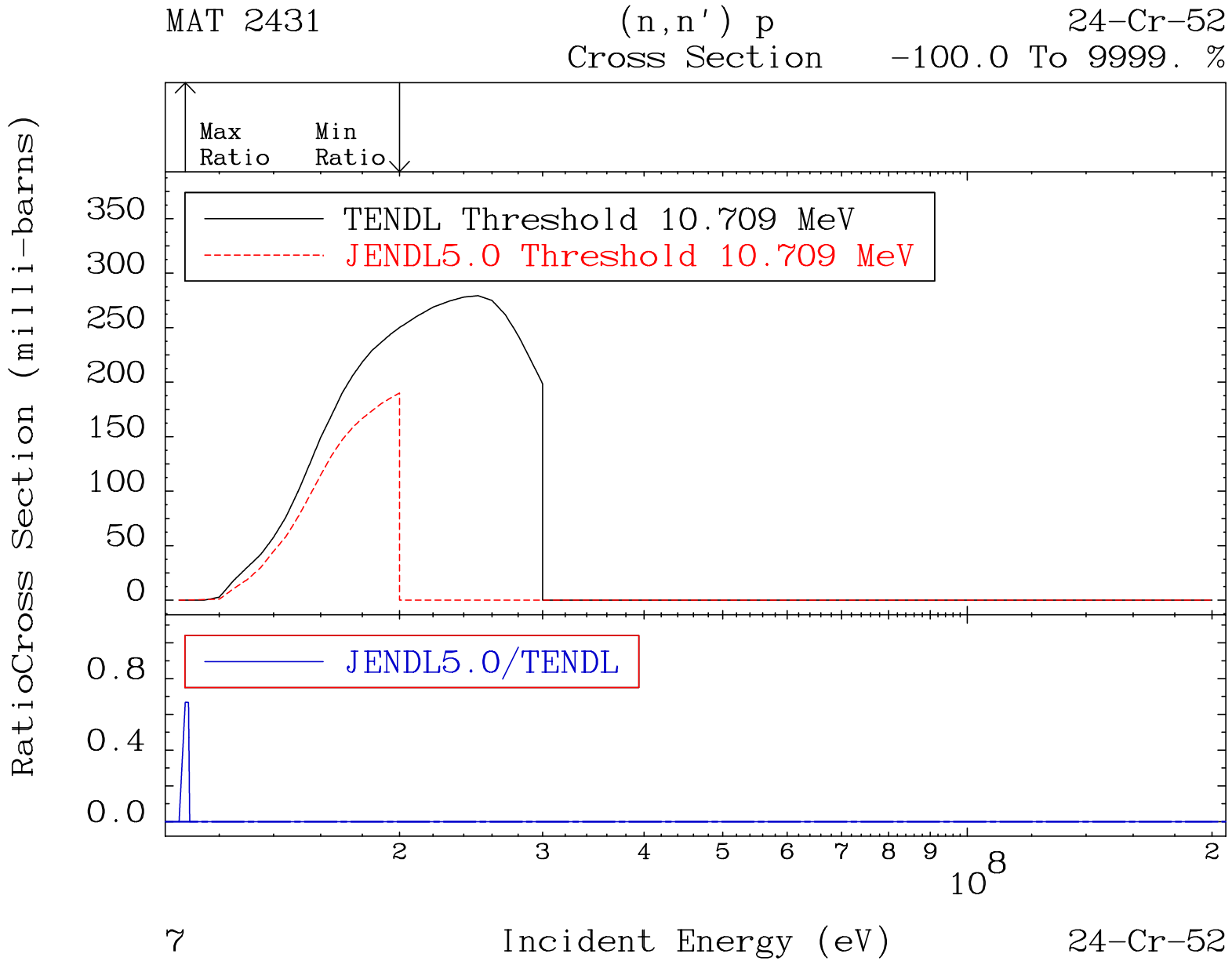

MAT 2431
Elastic
Cross Section
24-Cr-52
-85.52 To 1033. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
24-Cr-52

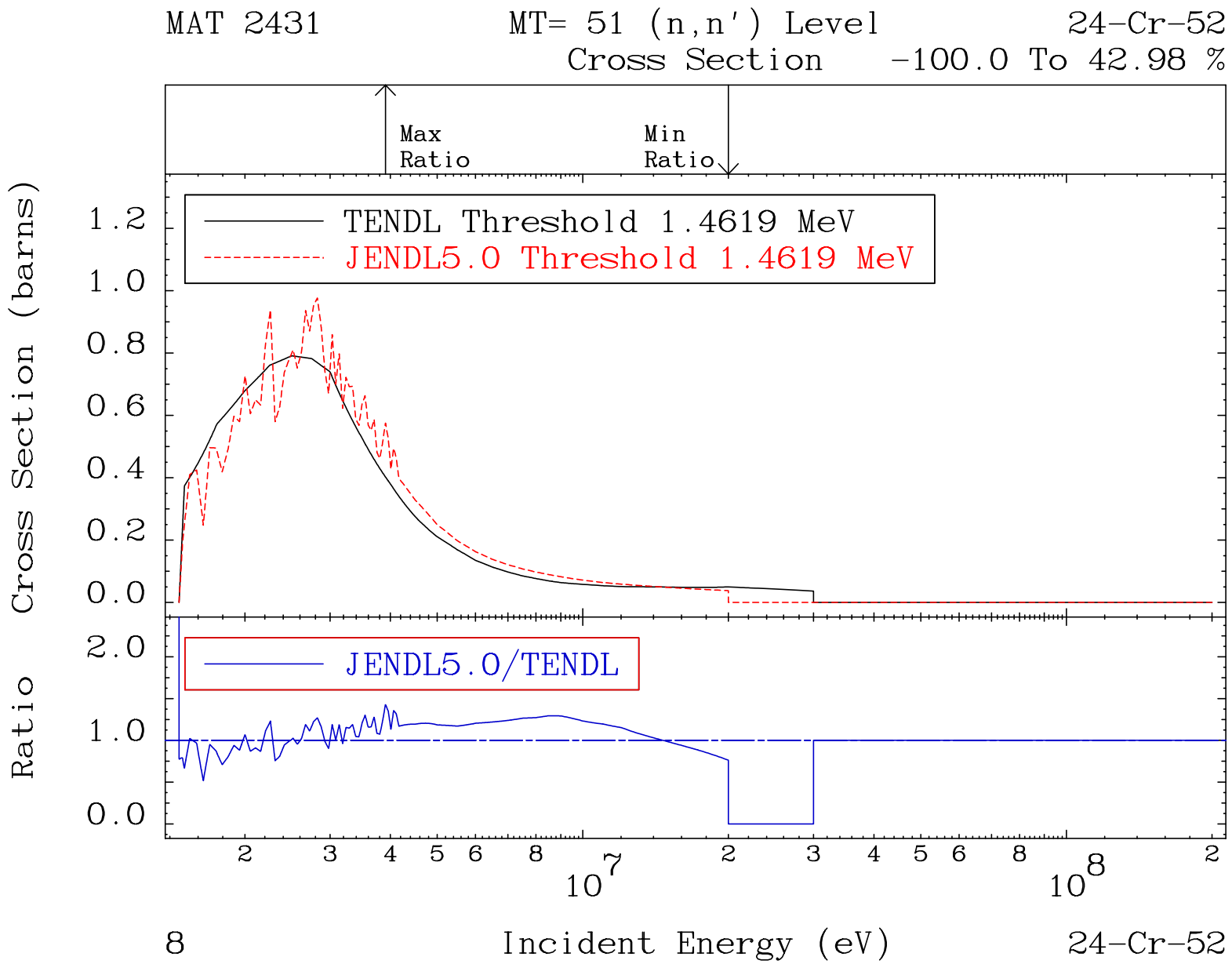

MAT 2431
Inelastic
Cross Section
24-Cr-52
-100.0 To 41.29 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.4619 MeV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
2.0
1.0
0.0
10^5
10^6
10^7
10^8
Incident Energy (eV)
3
24-Cr-52

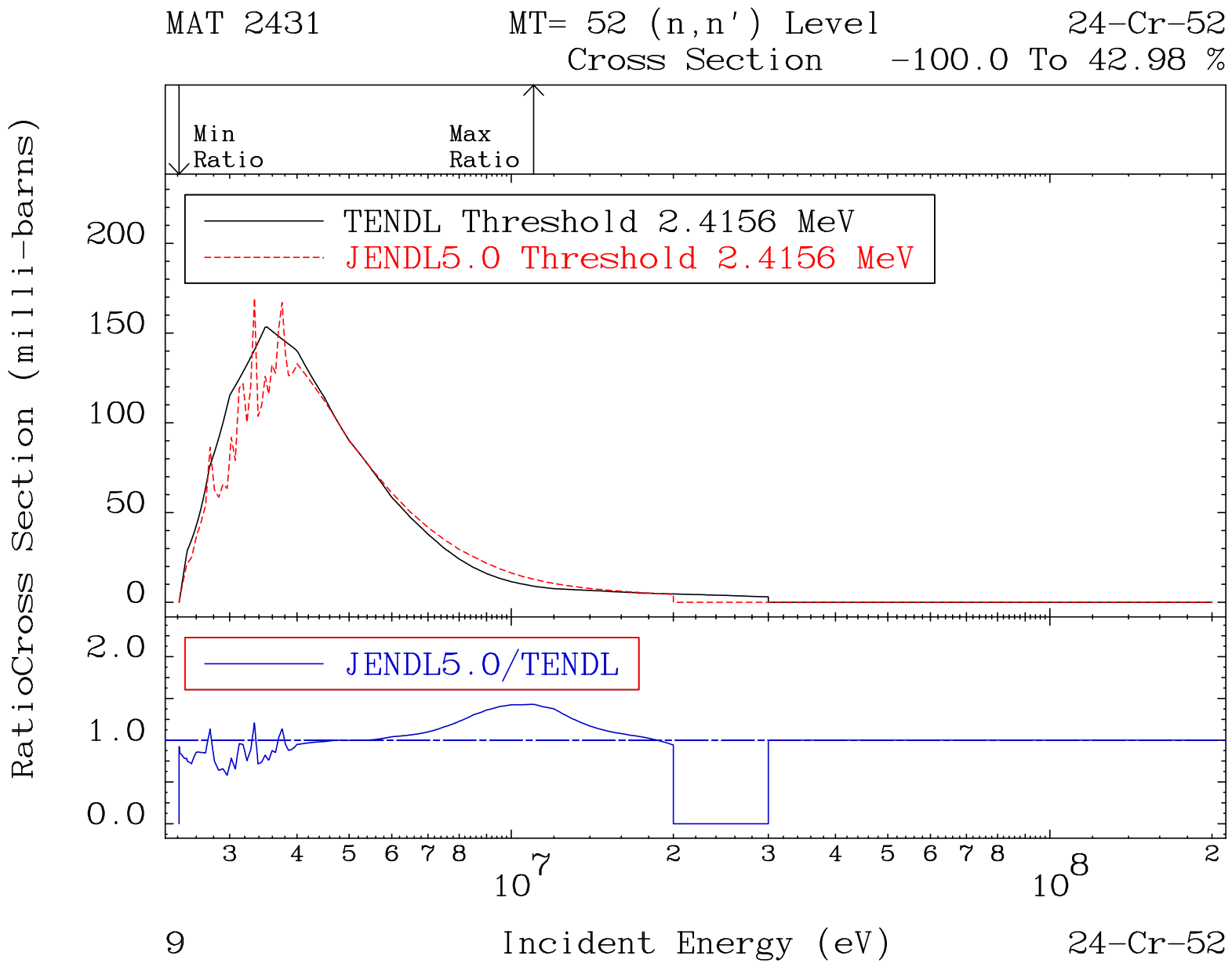

MAT 2431
(n,remainder)
24-Cr-52
Cross Section 3.200 To 12.86 %
Min Ratio
Max Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
JENDL5.0/TENDL
Ratio
1.15
1.10
1.05
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
24-Cr-52

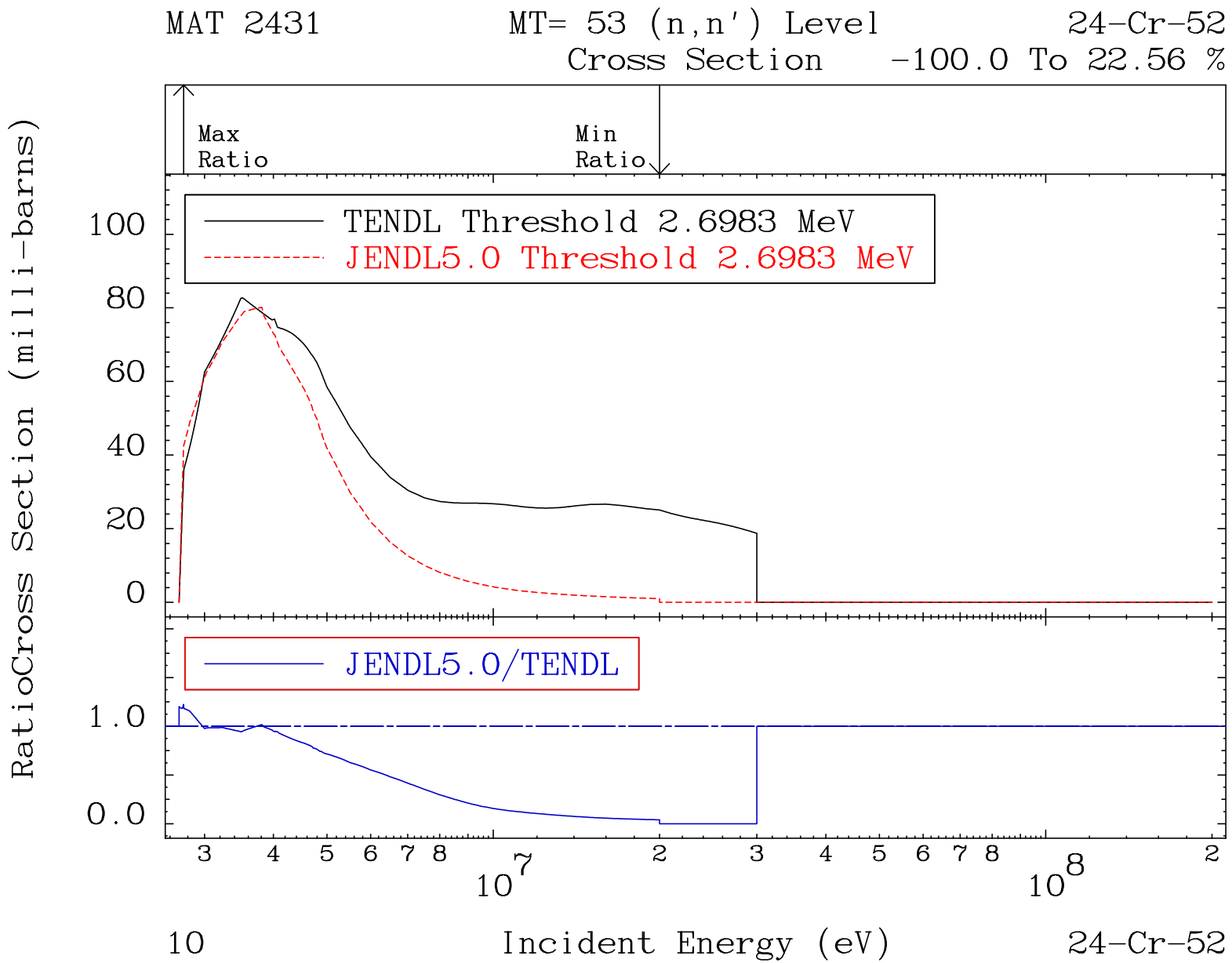

MAT 2431
(n,2n)
Cross Section
24-Cr-52
-100.0 To 9.677 %
Max Ratio
Min Ratio
TENDL Threshold 12.274 MeV
JENDL5.0 Threshold 12.274 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
24-Cr-52

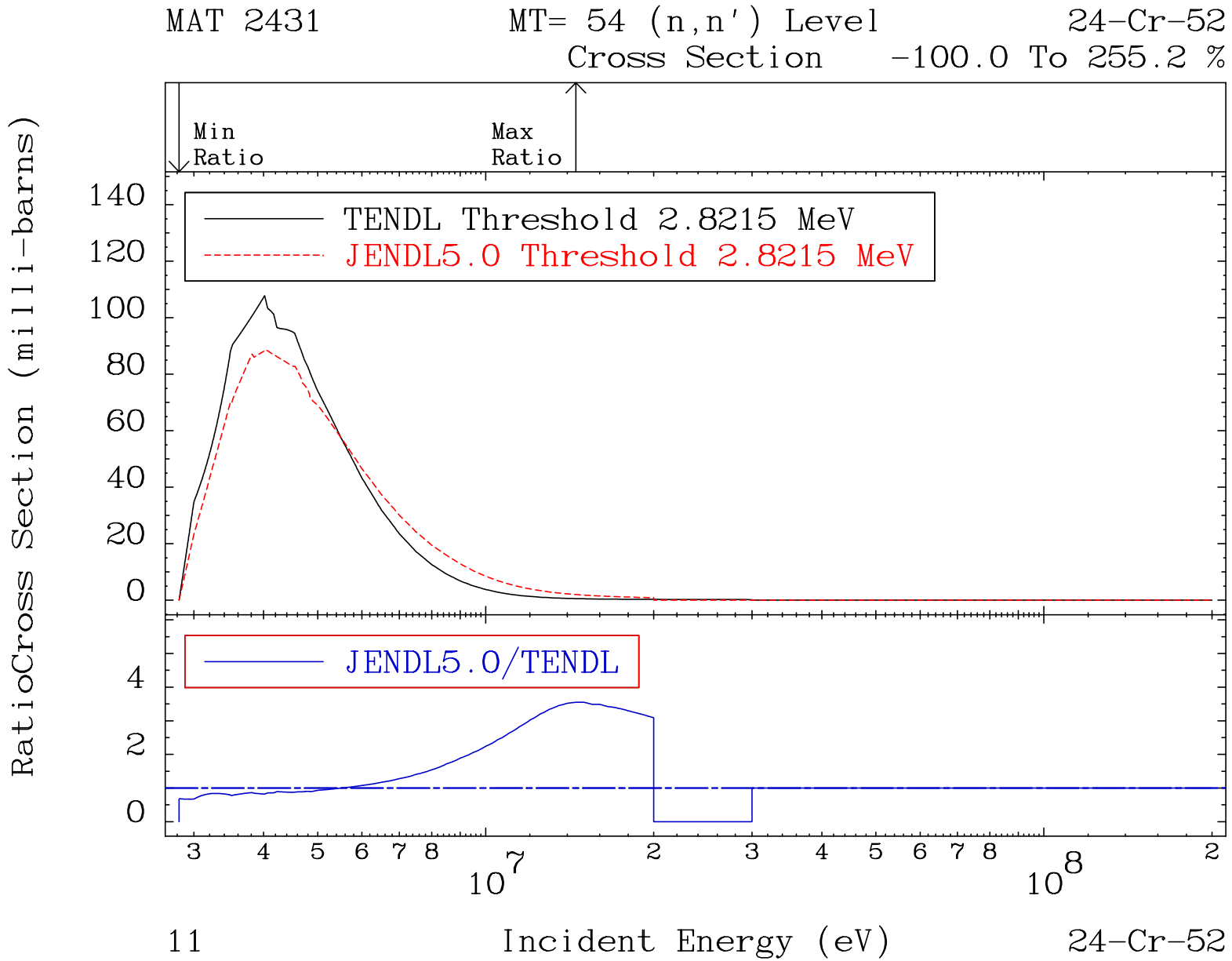

MAT 2431
(n,n') α
Cross Section
24-Cr-52
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 9.5331 MeV
JENDL5.0 Threshold 9.5358 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
4
2
0
10^7
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
24-Cr-52

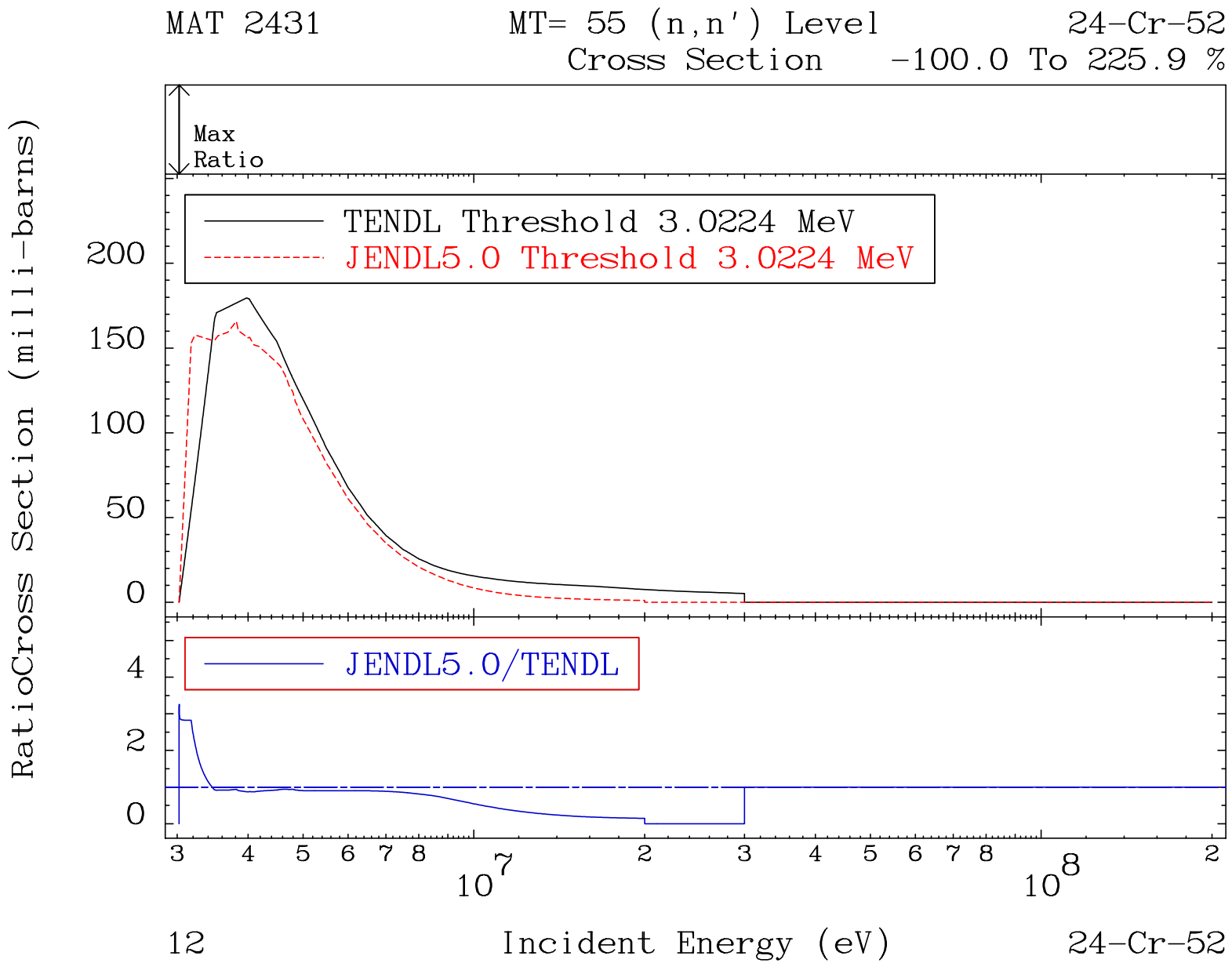

MAT 2431
(n,n') p
Cross Section
24-Cr-52
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 10.709 MeV
JENDL5.0 Threshold 10.709 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
0.8
0.4
0.0
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
24-Cr-52

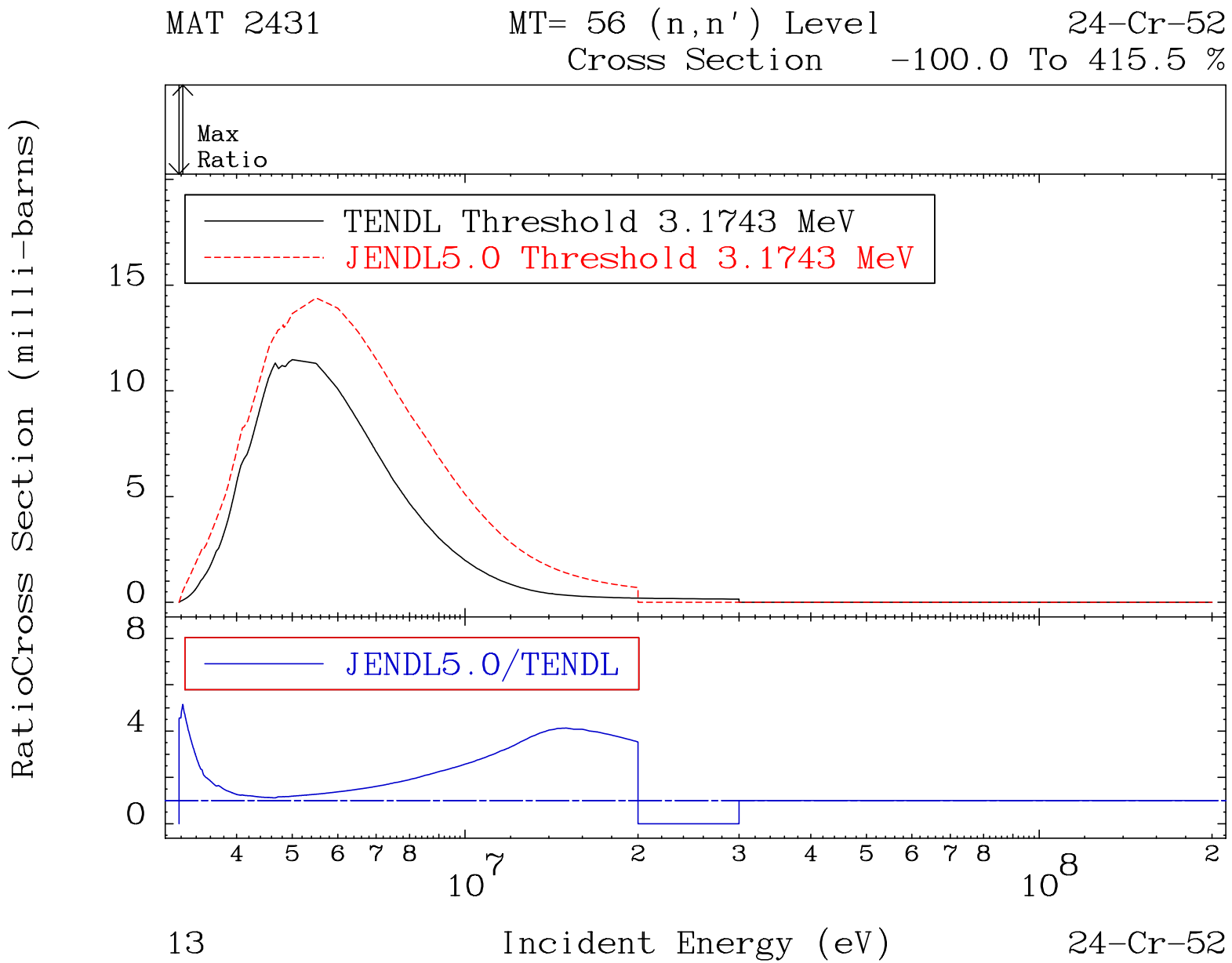

MAT 2431
MT= 51 (n,n') Level
24-Cr-52
Cross Section -100.0 To 42.98 %
Max Ratio
Min Ratio
TENDL Threshold 1.4619 MeV
JENDL5.0 Threshold 1.4619 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
8
24-Cr-52

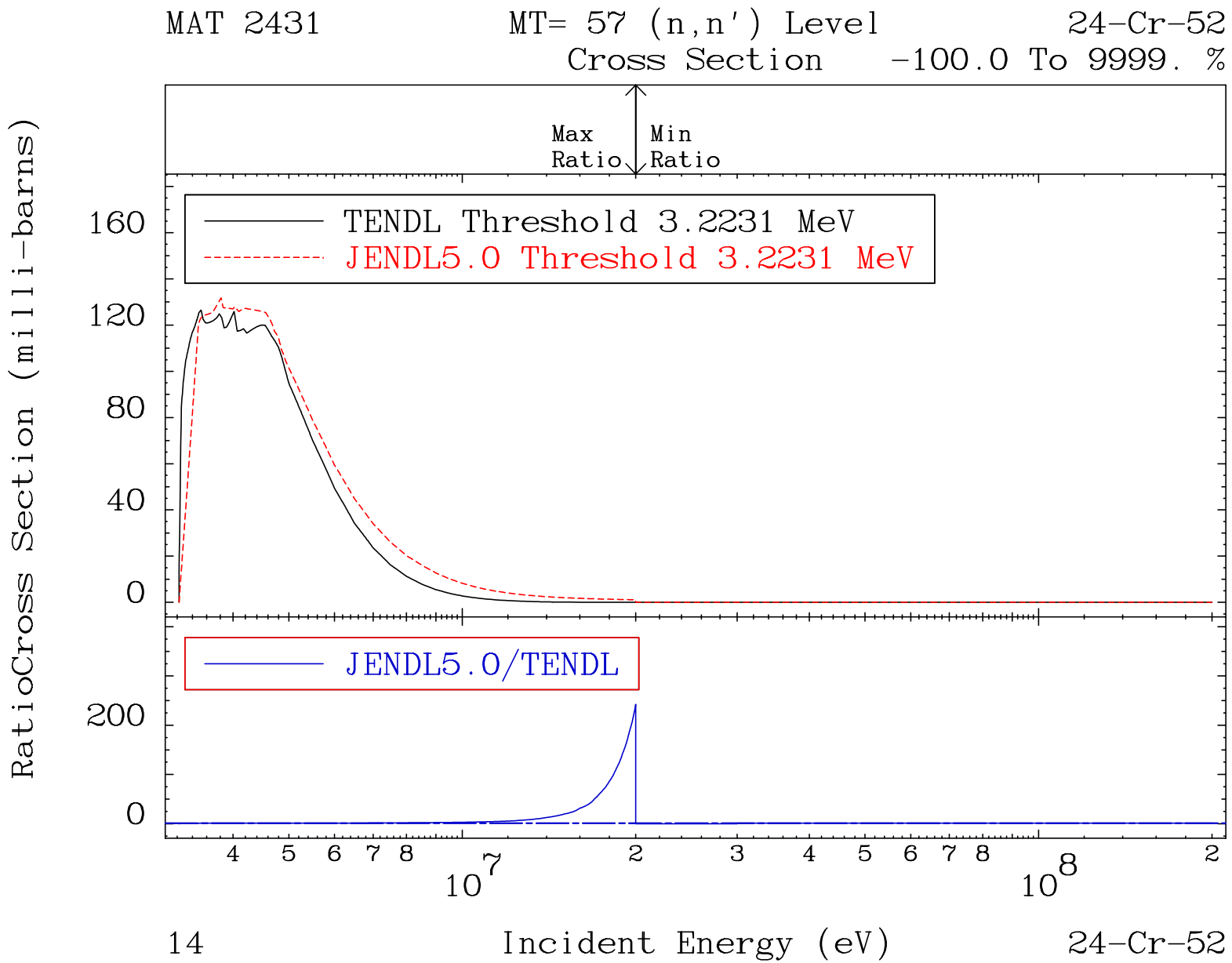

MAT 2431
MT= 52 (n,n') Level
Cross Section
24-Cr-52
-100.0 To 42.98 %
Min Ratio
Max Ratio
TENDL Threshold 2.4156 MeV
JENDL5.0 Threshold 2.4156 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
9
Incident Energy (eV)
24-Cr-52

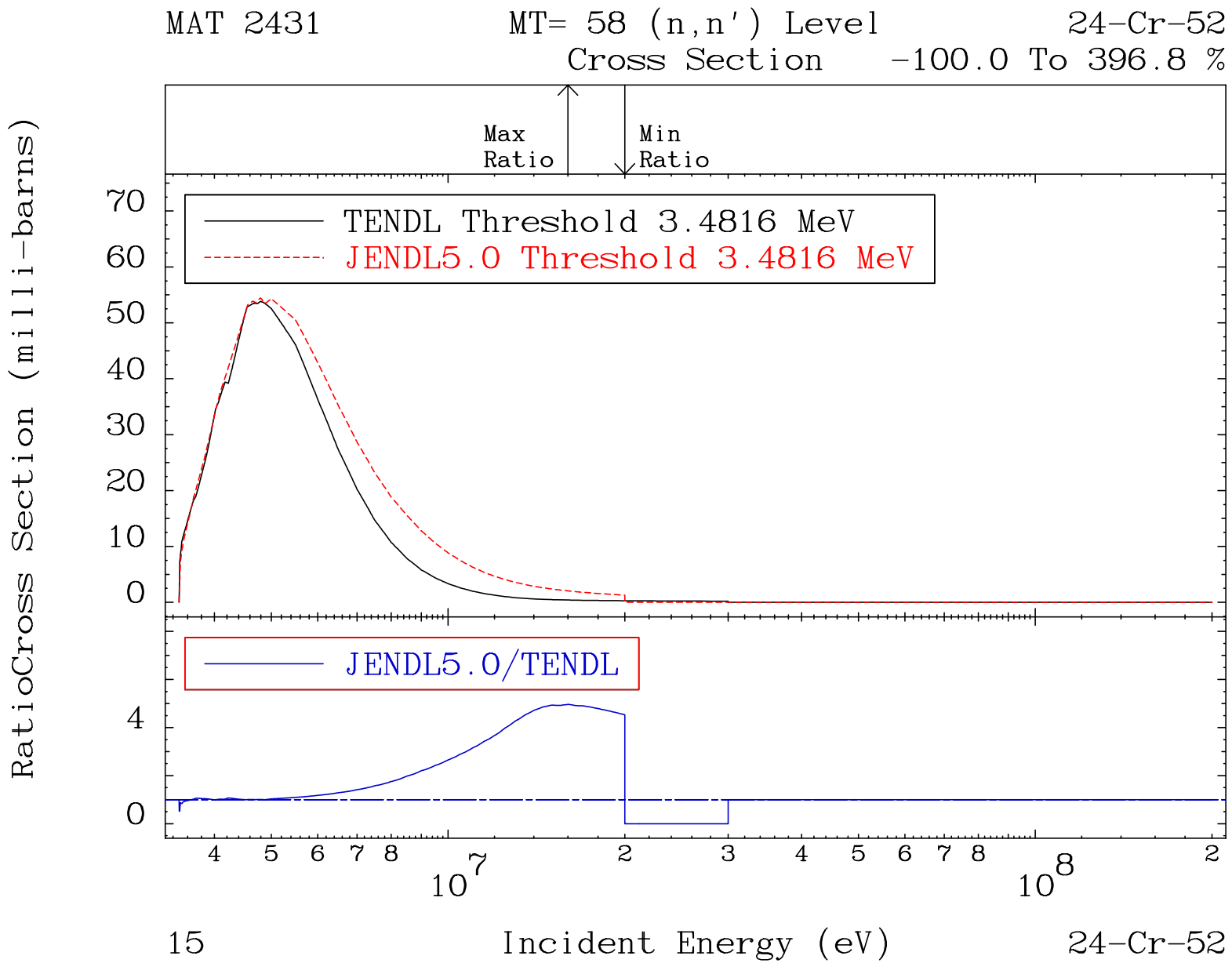

MAT 2431
MT= 53 (n,n') Level
24-Cr-52
Cross Section -100.0 To 22.56 %
Max Ratio
Min Ratio
TENDL Threshold 2.6983 MeV
JENDL5.0 Threshold 2.6983 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
10
Incident Energy (eV)
24-Cr-52

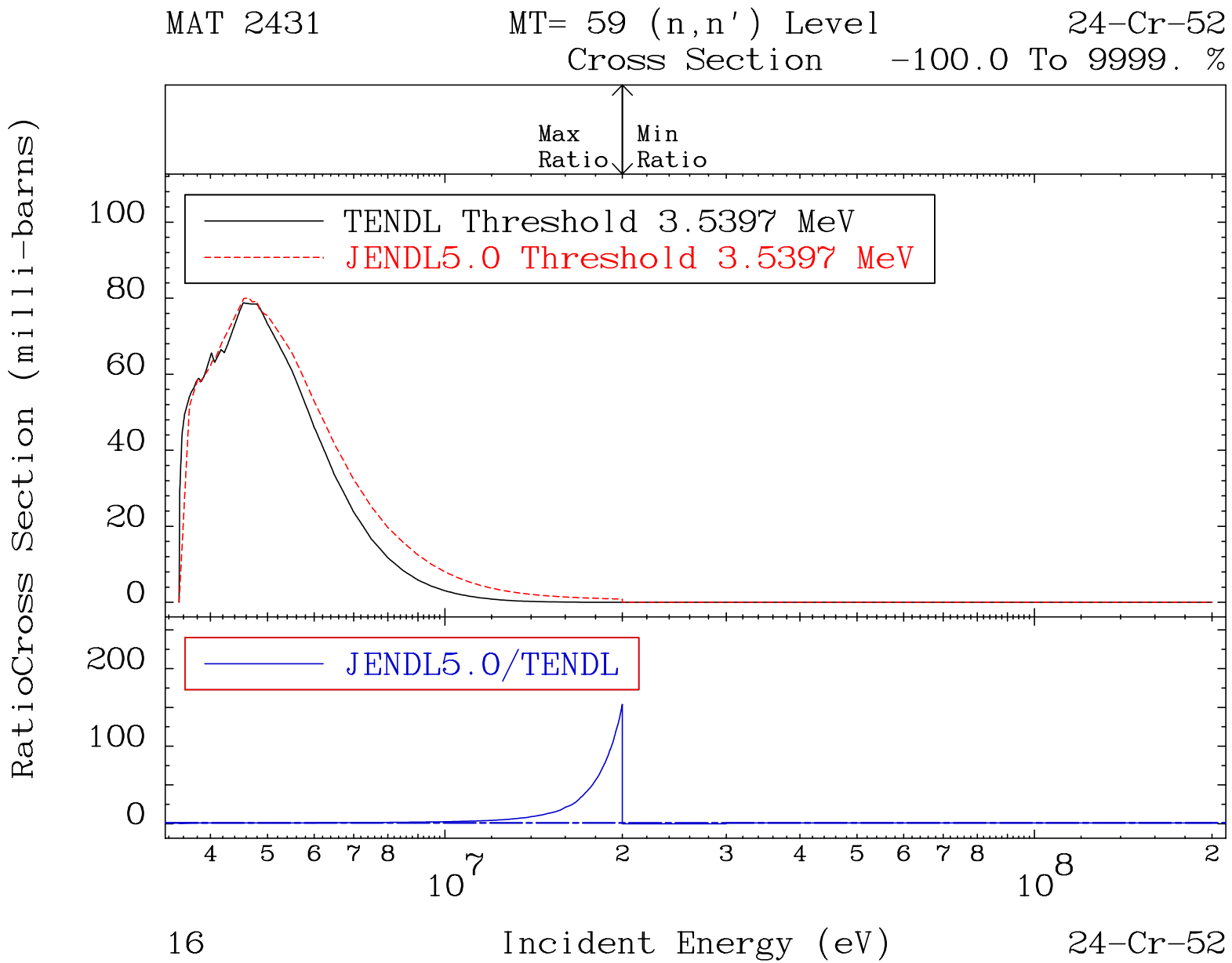

MAT 2431
MT= 54 (n,n') Level
24-Cr-52
Cross Section -100.0 To 255.2 %
Min Ratio
Max Ratio
TENDL Threshold 2.8215 MeV
JENDL5.0 Threshold 2.8215 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
4
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
11
Incident Energy (eV)
24-Cr-52

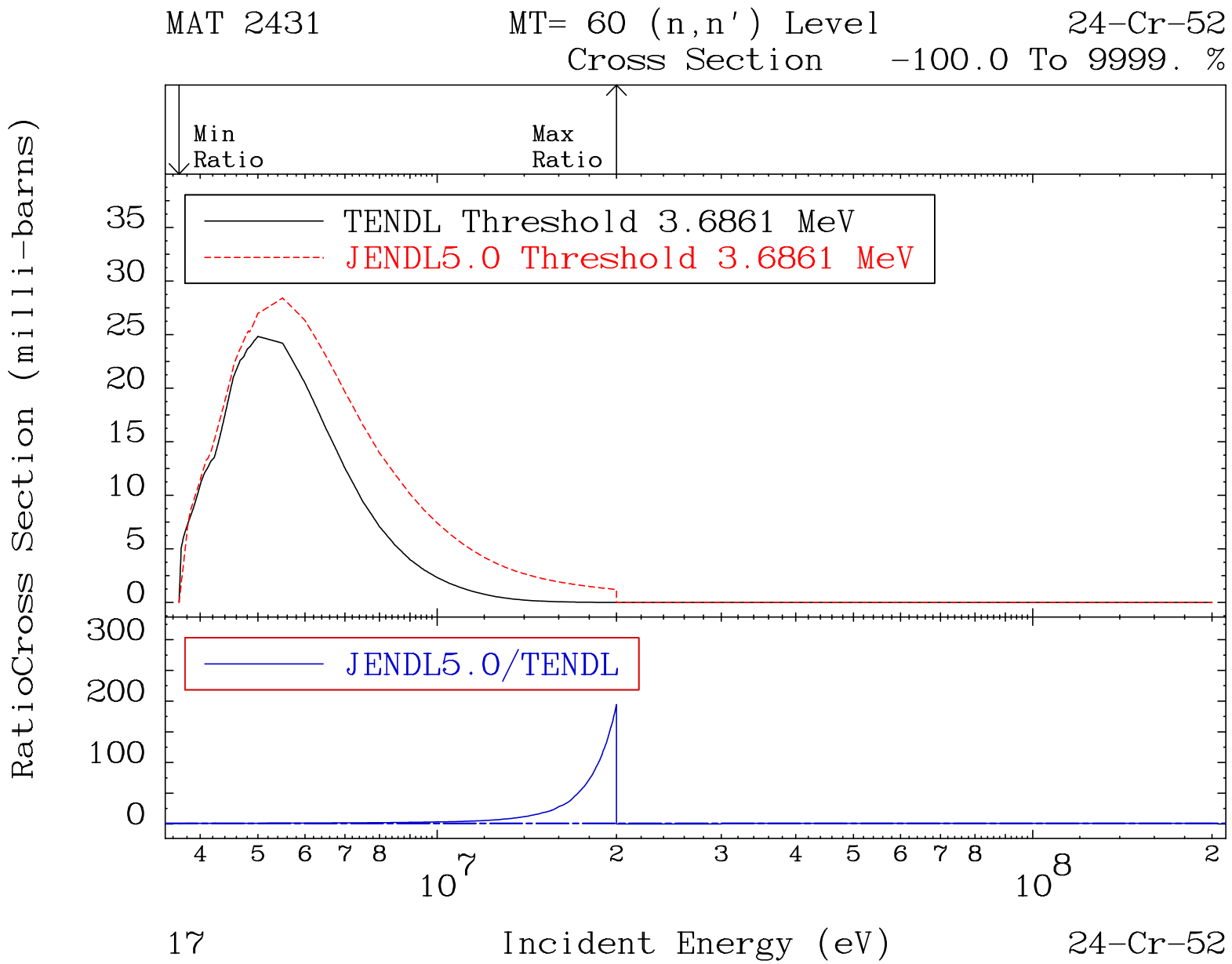

MAT 2431
MT= 55 (n,n') Level
24-Cr-52
Cross Section
-100.0 To 225.9 %
Max
Ratio
TENDL Threshold 3.0224 MeV
JENDL5.0 Threshold 3.0224 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
4
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
12
Incident Energy (eV)
24-Cr-52

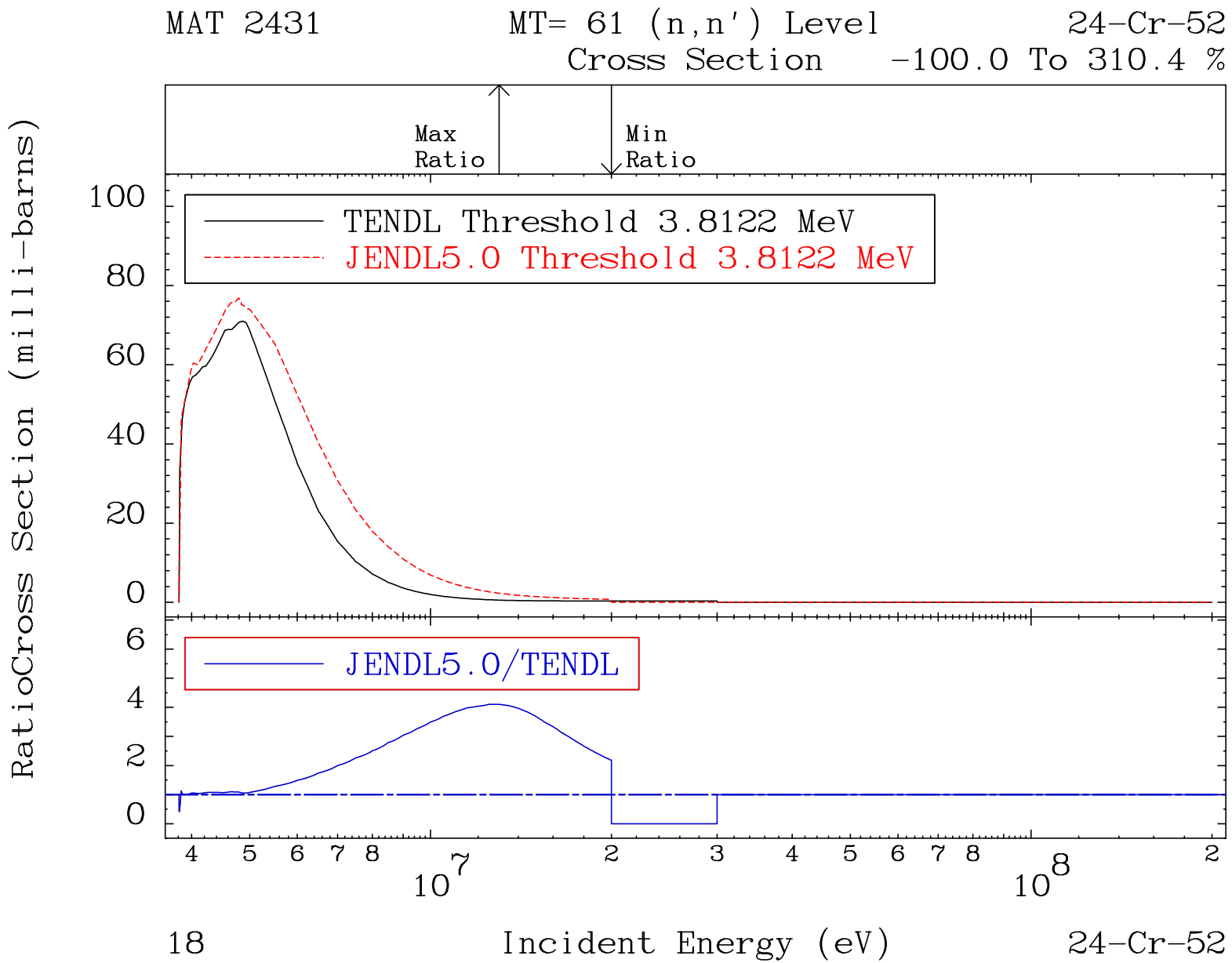

MAT 2431
MT= 56 (n,n') Level
Cross Section
24-Cr-52
-100.0 To 415.5 %
Max
Ratio
TENDL Threshold 3.1743 MeV
JENDL5.0 Threshold 3.1743 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
15
10
5
0
8
4
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
24-Cr-52

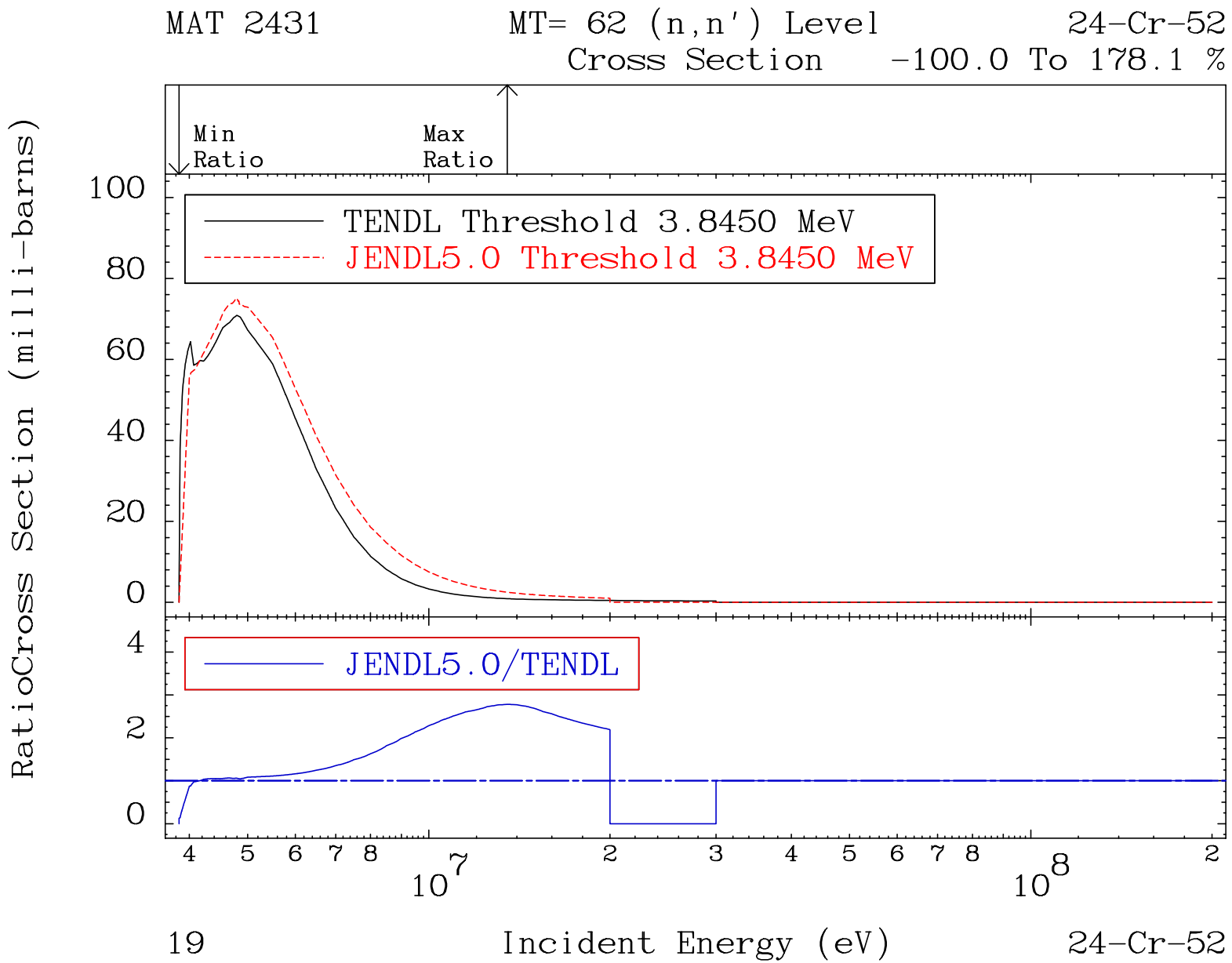

MAT 2431
MT= 57 (n,n') Level
24-Cr-52
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.2231 MeV
JENDL5.0 Threshold 3.2231 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
200
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
14
Incident Energy (eV)
24-Cr-52

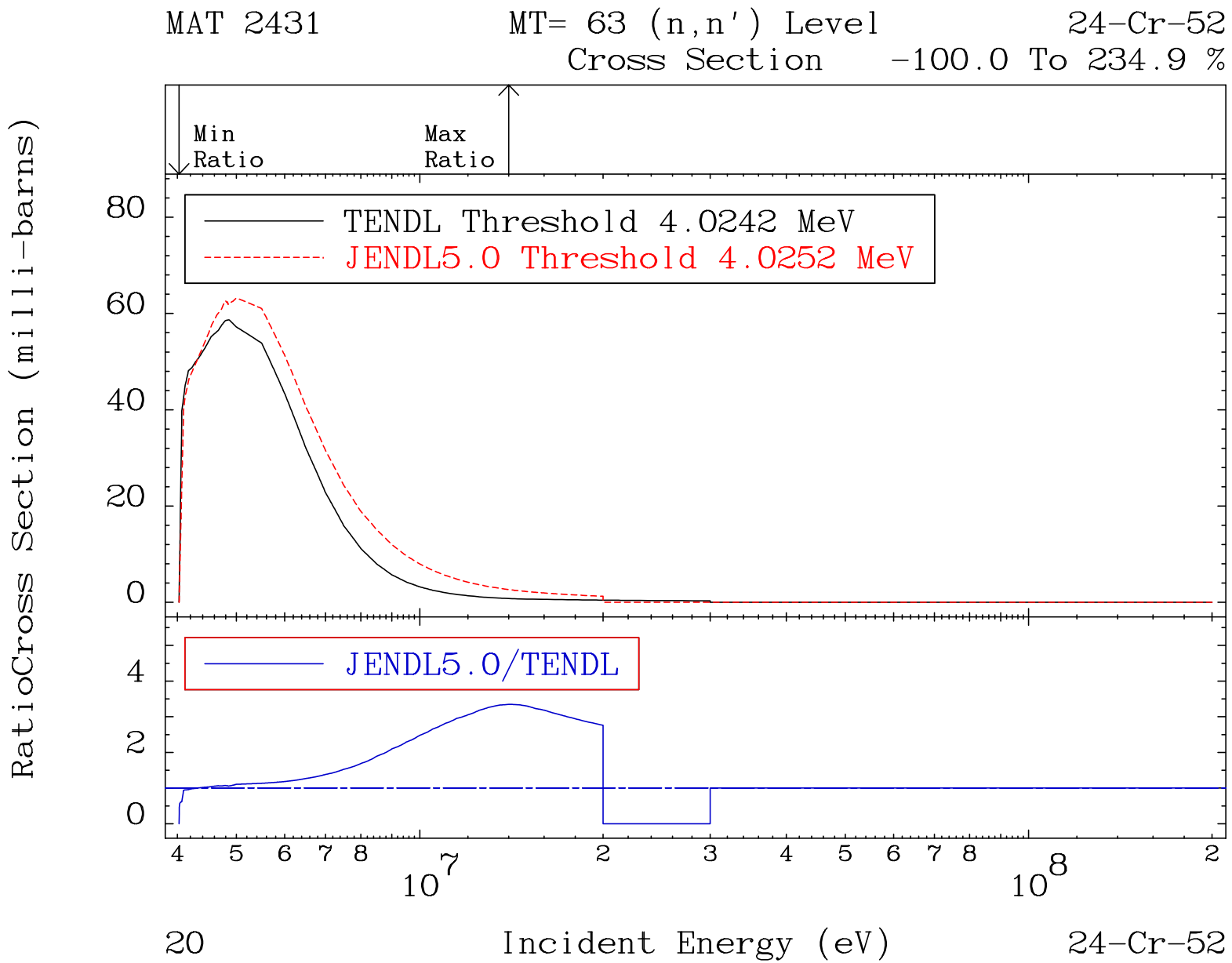

MAT 2431
MT= 58 (n,n') Level
24-Cr-52
Cross Section -100.0 To 396.8 %
Max Ratio
Min Ratio
TENDL Threshold 3.4816 MeV
JENDL5.0 Threshold 3.4816 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
4
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
24-Cr-52

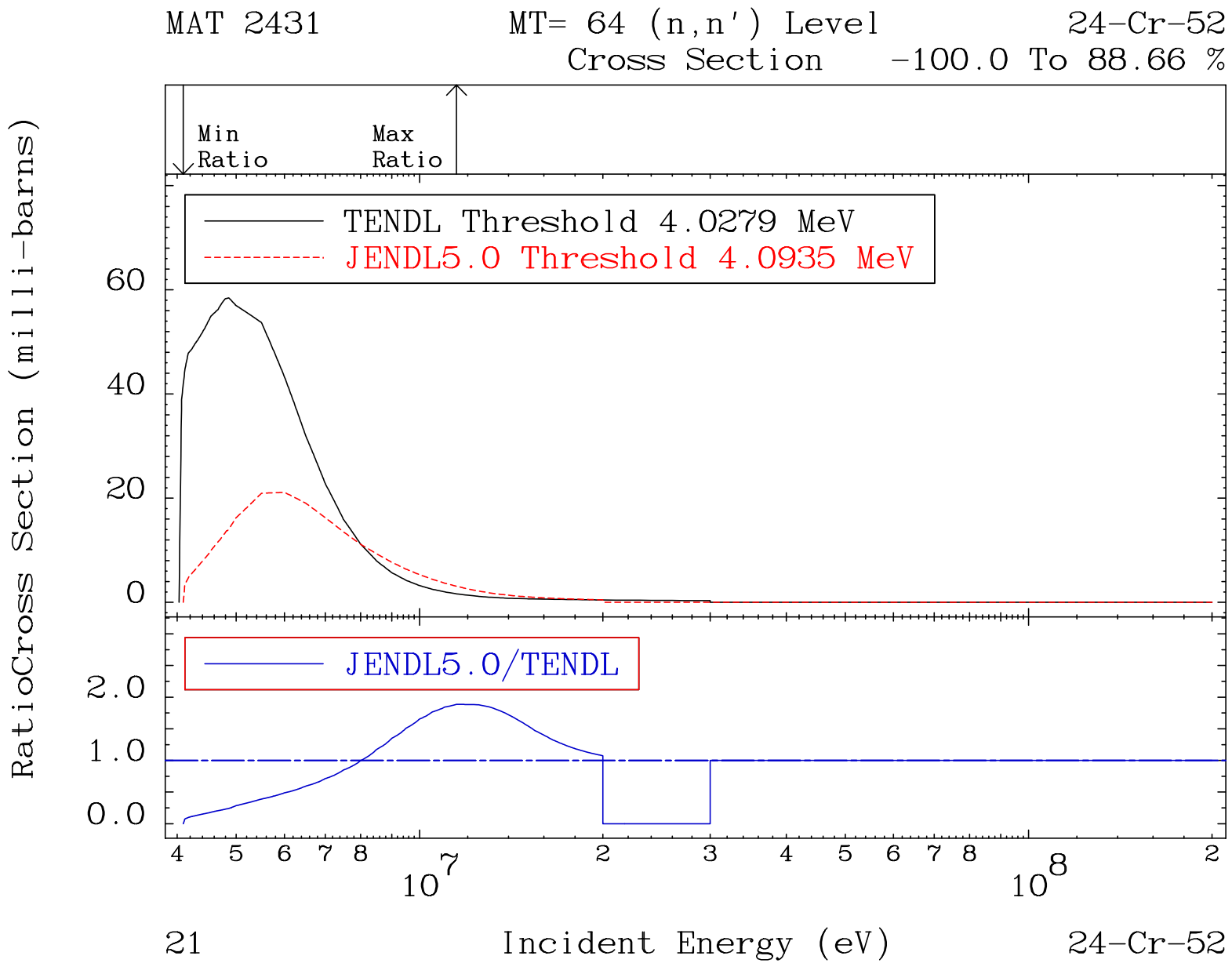

MAT 2431
MT= 59 (n,n') Level
24-Cr-52
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.5397 MeV
JENDL5.0 Threshold 3.5397 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
200
100
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
24-Cr-52

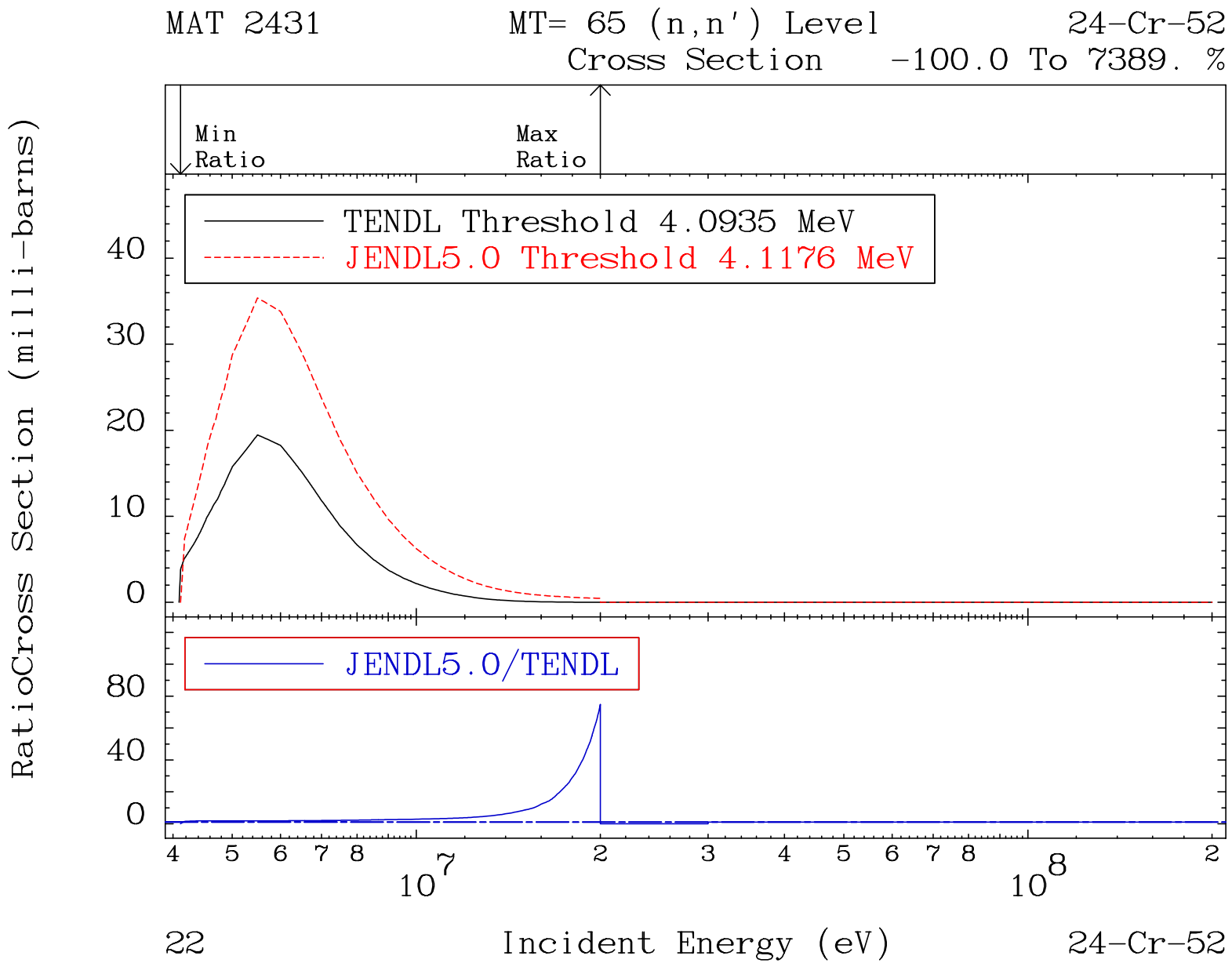

MAT 2431
MT= 60 (n,n') Level
24-Cr-52
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.6861 MeV
JENDL5.0 Threshold 3.6861 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
300
200
100
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
24-Cr-52

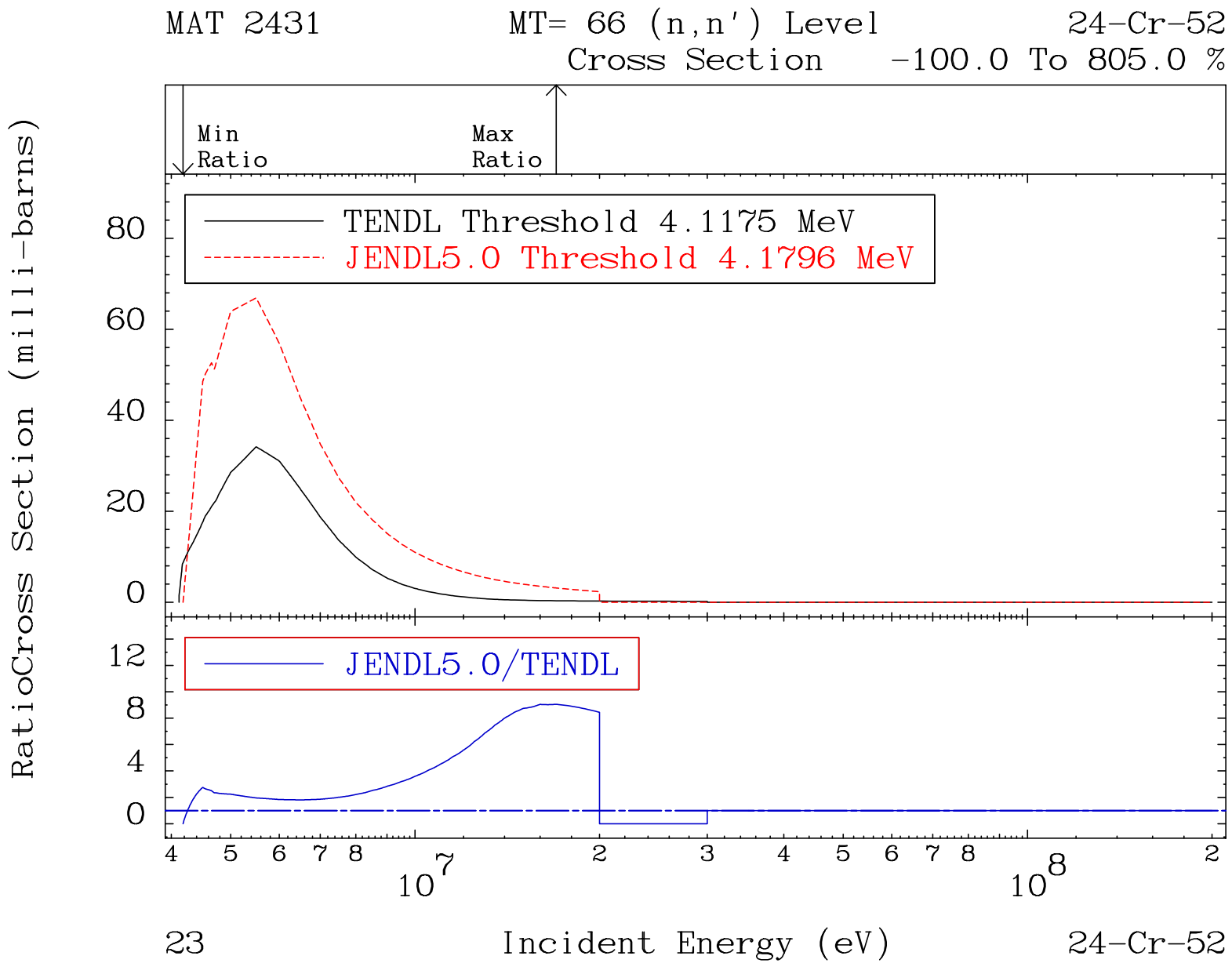

MAT 2431
MT= 61 (n,n') Level
24-Cr-52
Cross Section -100.0 To 310.4 %
Max Ratio
Min Ratio
TENDL Threshold 3.8122 MeV
JENDL5.0 Threshold 3.8122 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
18
24-Cr-52

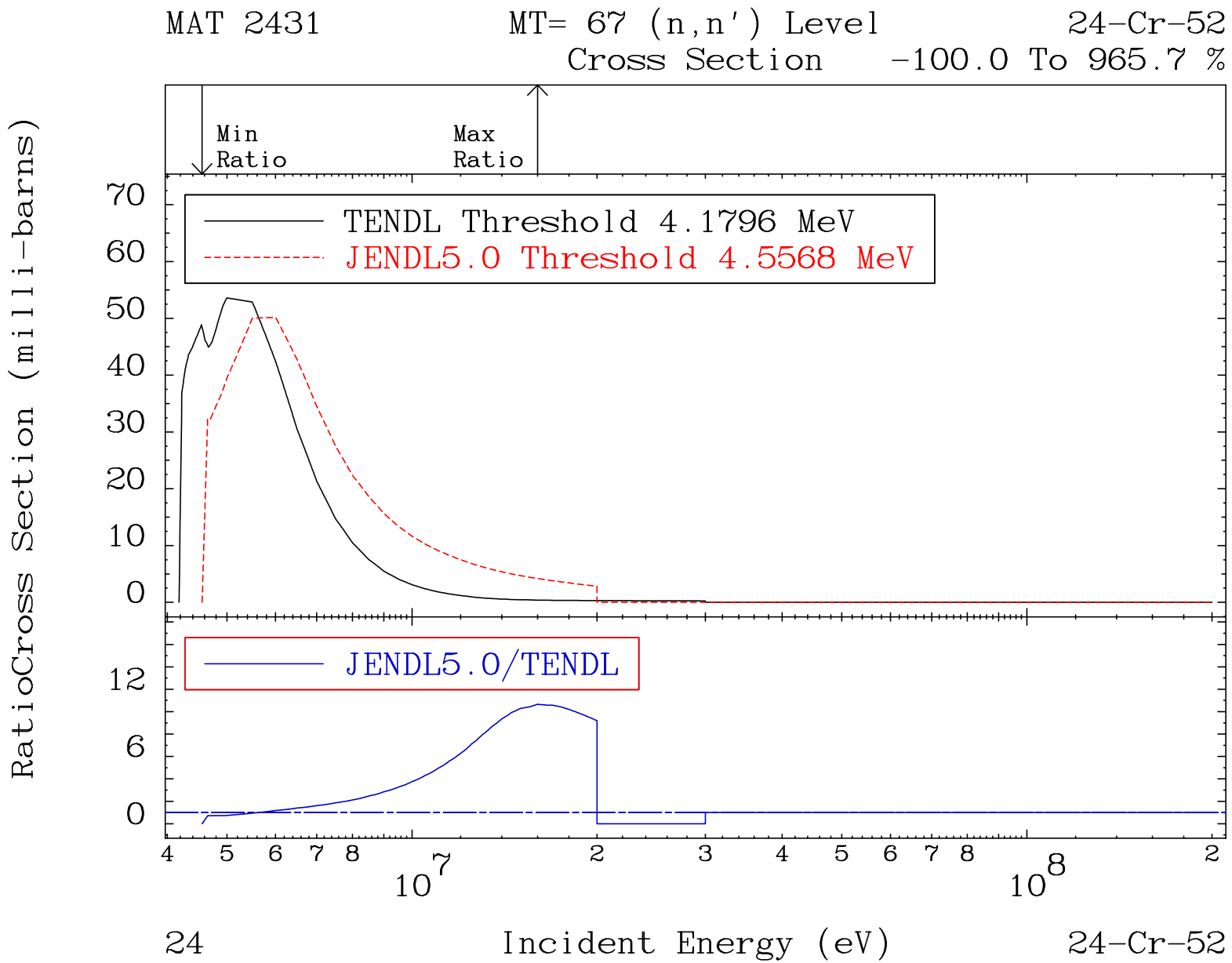

MAT 2431
MT= 62 (n,n') Level
24-Cr-52
Cross Section -100.0 To 178.1 %
Min Ratio
Max Ratio
TENDL Threshold 3.8450 MeV
JENDL5.0 Threshold 3.8450 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
19
24-Cr-52

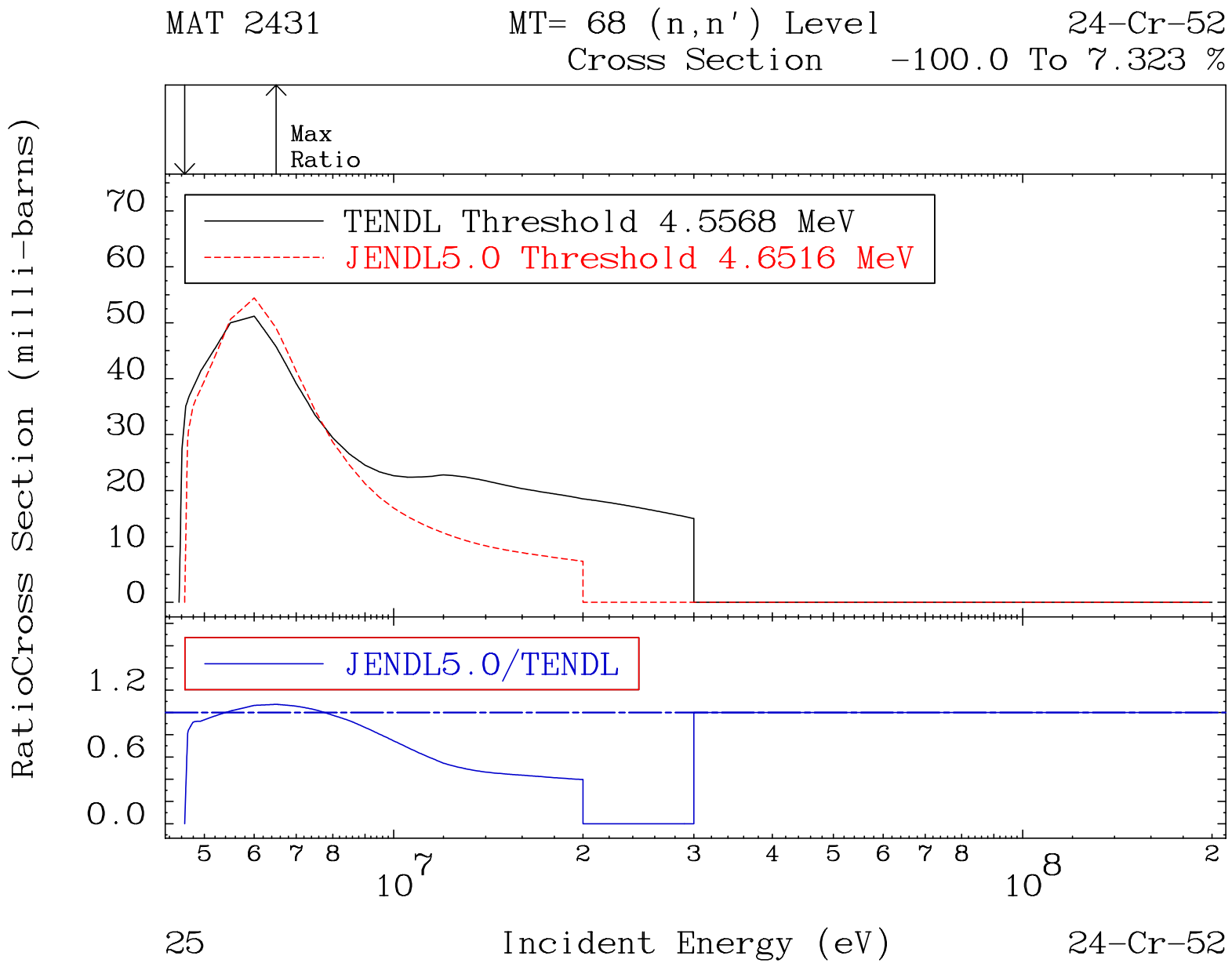

MAT 2431
MT= 63 (n,n') Level
24-Cr-52
Cross Section
-100.0 To 234.9 %
Min Ratio
Max Ratio
TENDL Threshold 4.0242 MeV
JENDL5.0 Threshold 4.0252 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
20
24-Cr-52

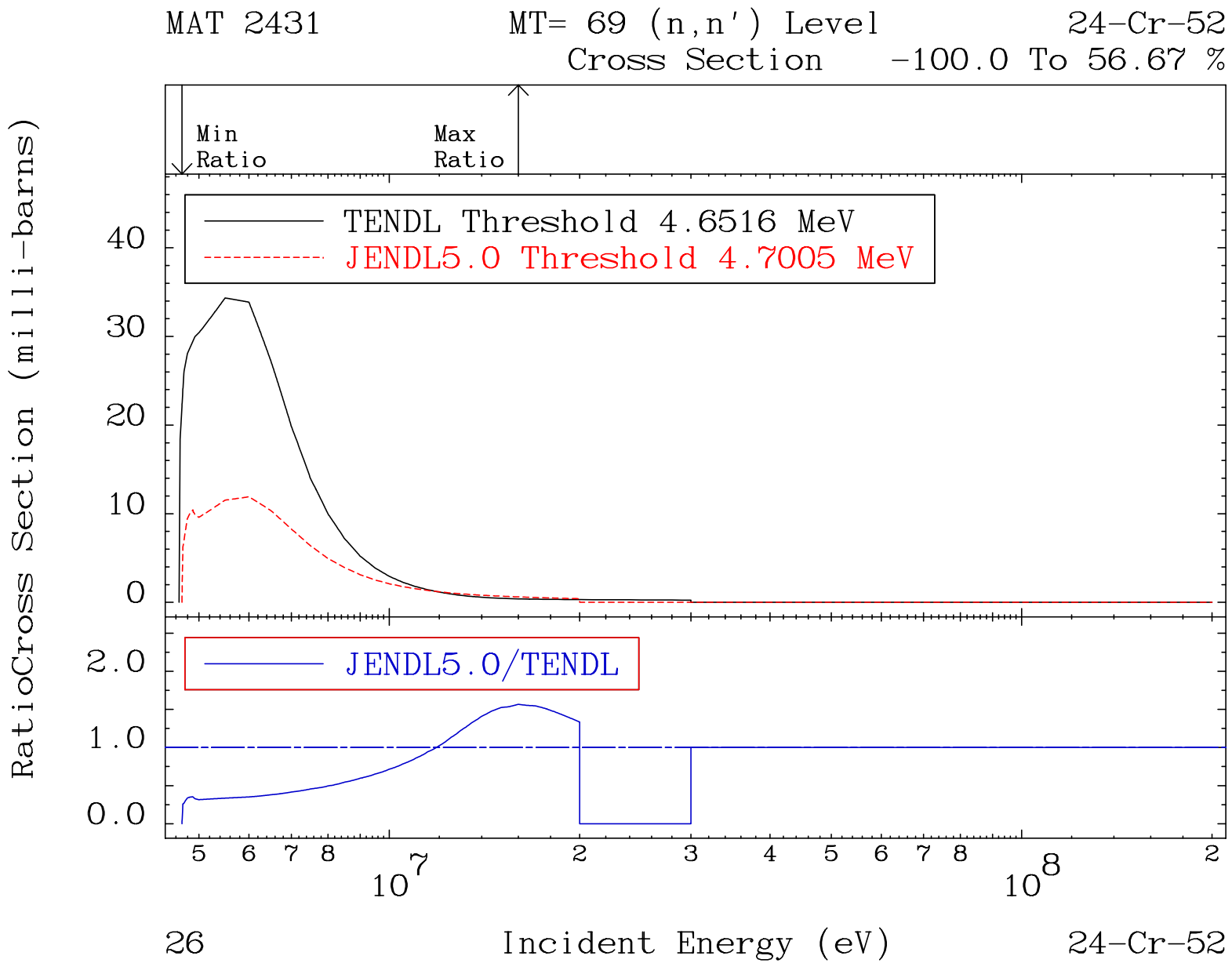

MAT 2431
MT= 64 (n,n') Level
24-Cr-52
Cross Section -100.0 To 88.66 %
Min Ratio
Max Ratio
TENDL Threshold 4.0279 MeV
JENDL5.0 Threshold 4.0935 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
2.0
1.0
0.0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
21
Incident Energy (eV)
24-Cr-52

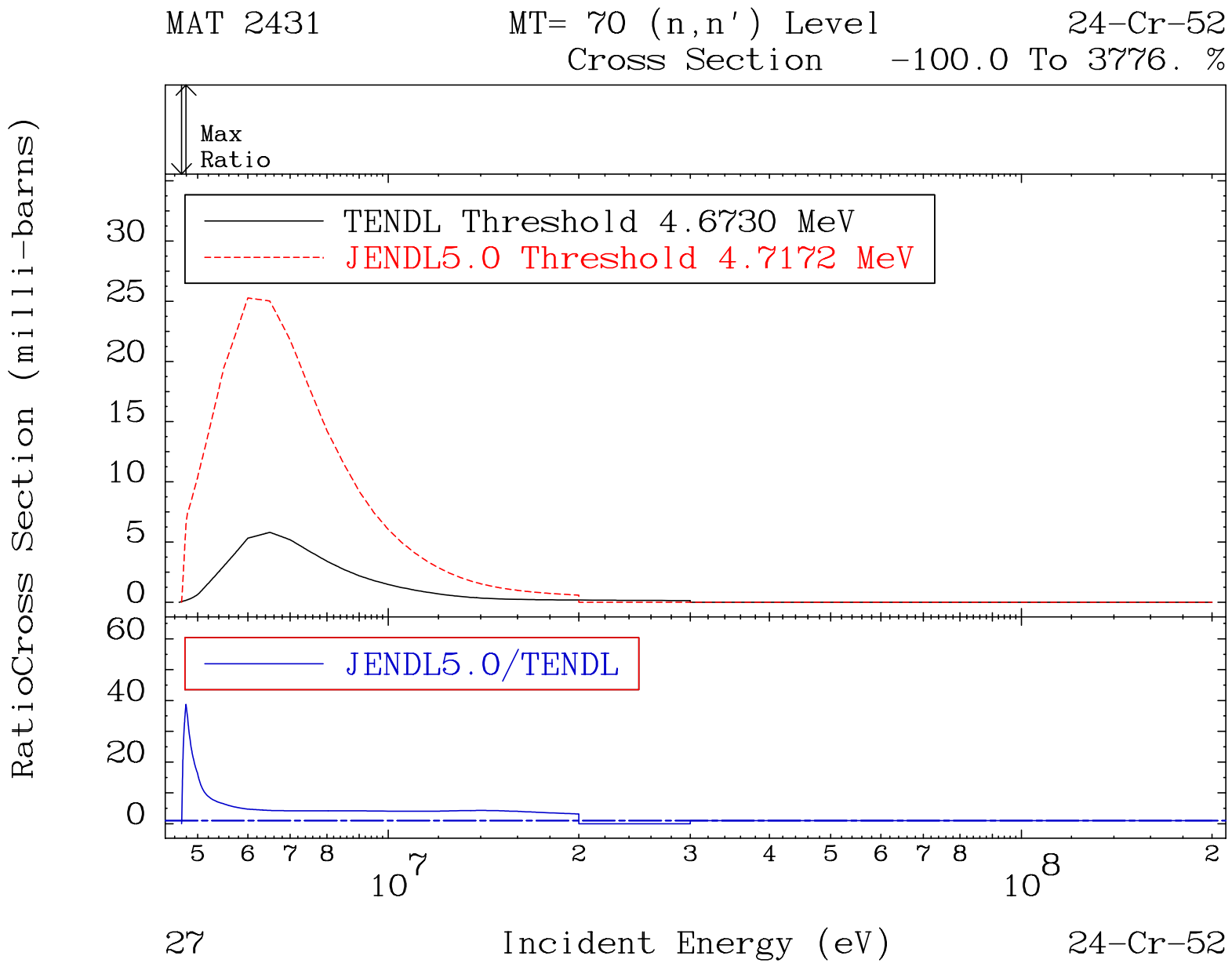

MAT 2431
MT= 65 (n,n') Level
24-Cr-52
Cross Section -100.0 To 7389. %
Min Ratio
Max Ratio
TENDL Threshold 4.0935 MeV
JENDL5.0 Threshold 4.1176 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
80
40
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
24-Cr-52

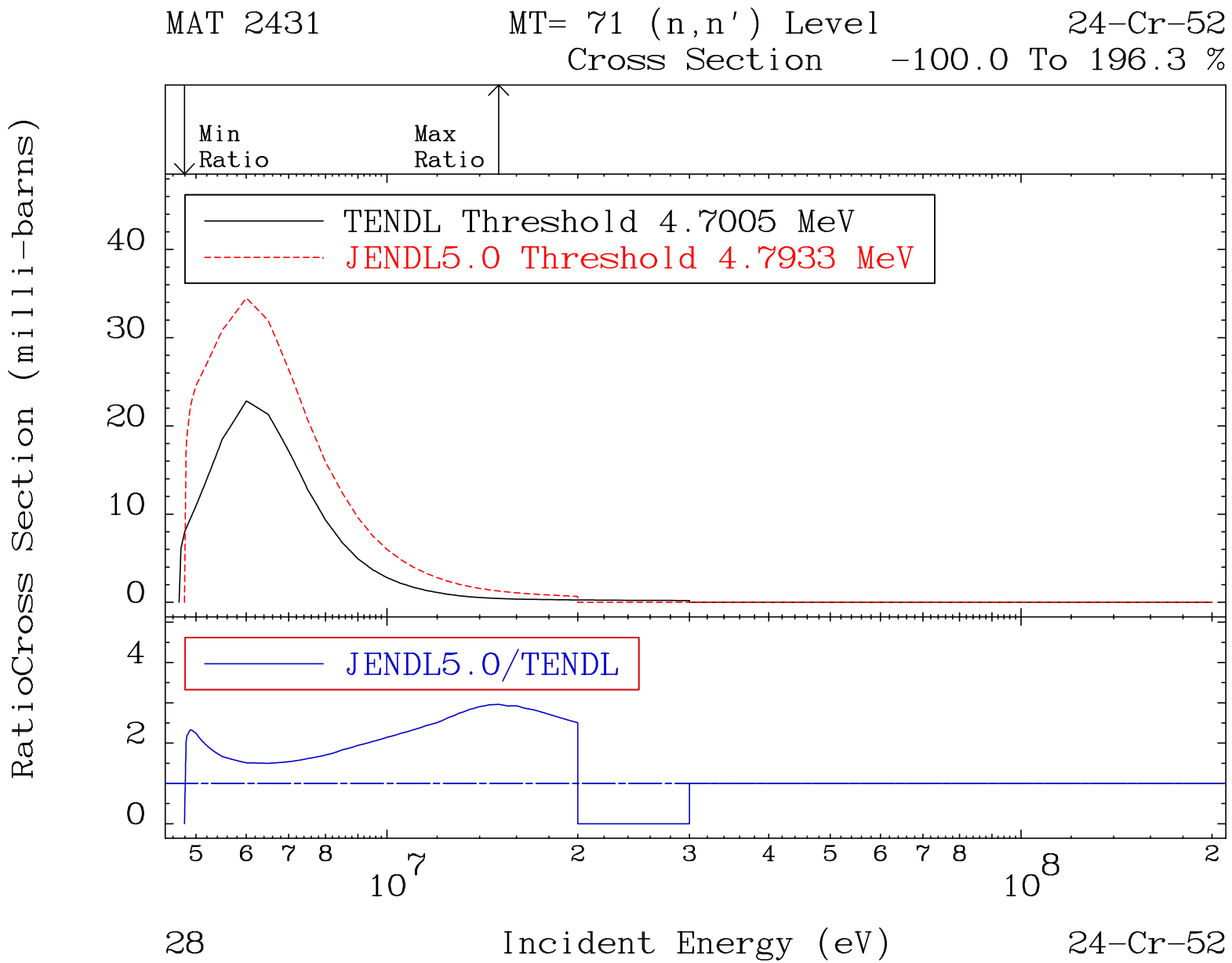

MAT 2431
MT= 66 (n,n') Level
24-Cr-52
Cross Section
-100.0 To 805.0 %
Min Ratio
Max Ratio
TENDL Threshold 4.1175 MeV
JENDL5.0 Threshold 4.1796 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
12
8
4
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
24-Cr-52

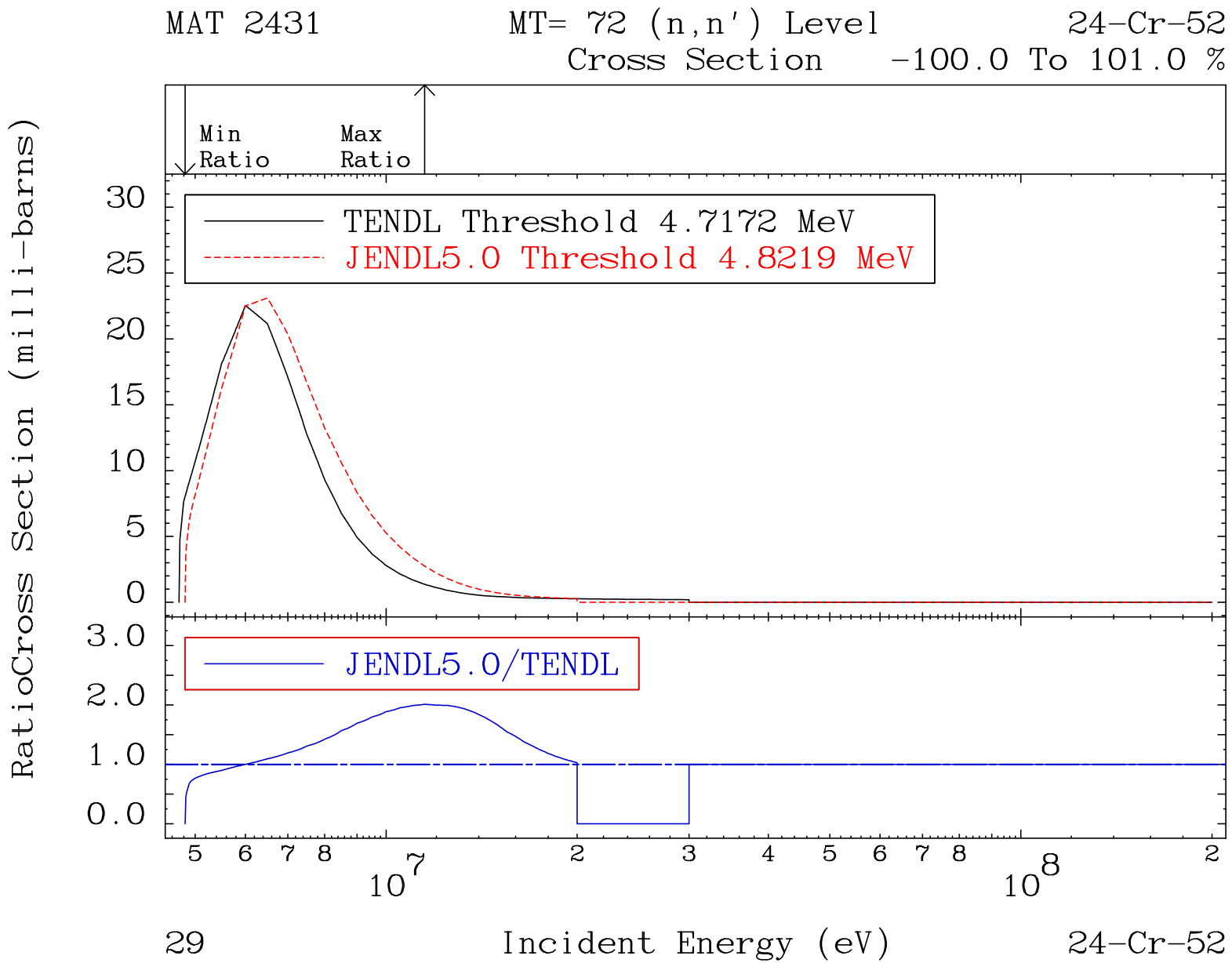

MAT 2431
MT= 67 (n,n') Level
24-Cr-52
Cross Section -100.0 To 965.7 %
Min Ratio
Max Ratio
TENDL Threshold 4.1796 MeV
JENDL5.0 Threshold 4.5568 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
24
24-Cr-52

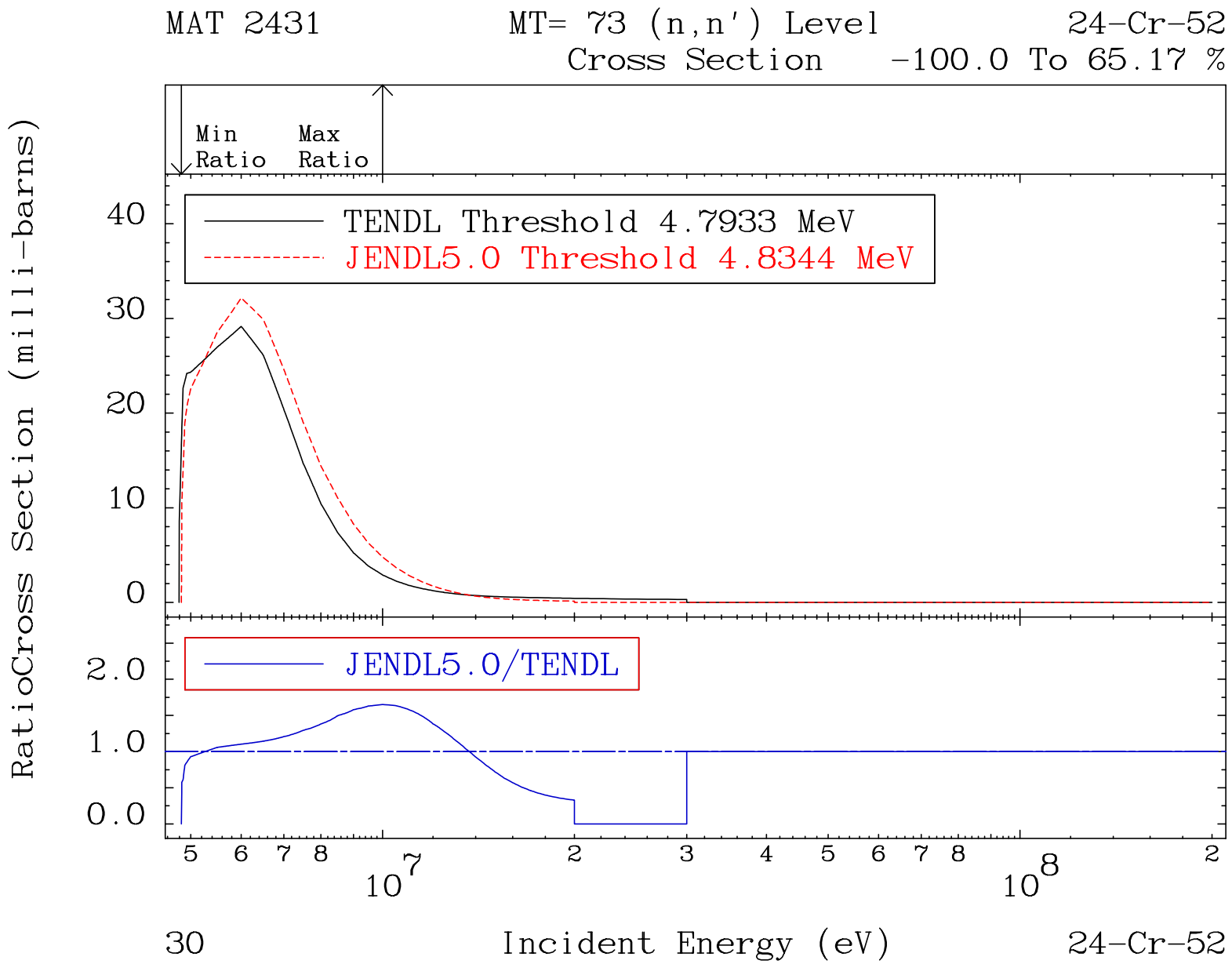

MAT 2431
MT= 68 (n,n') Level
24-Cr-52
Cross Section
-100.0 To 7.323 %
Max
Ratio
TENDL Threshold 4.5568 MeV
JENDL5.0 Threshold 4.6516 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
1.2
0.6
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
24-Cr-52

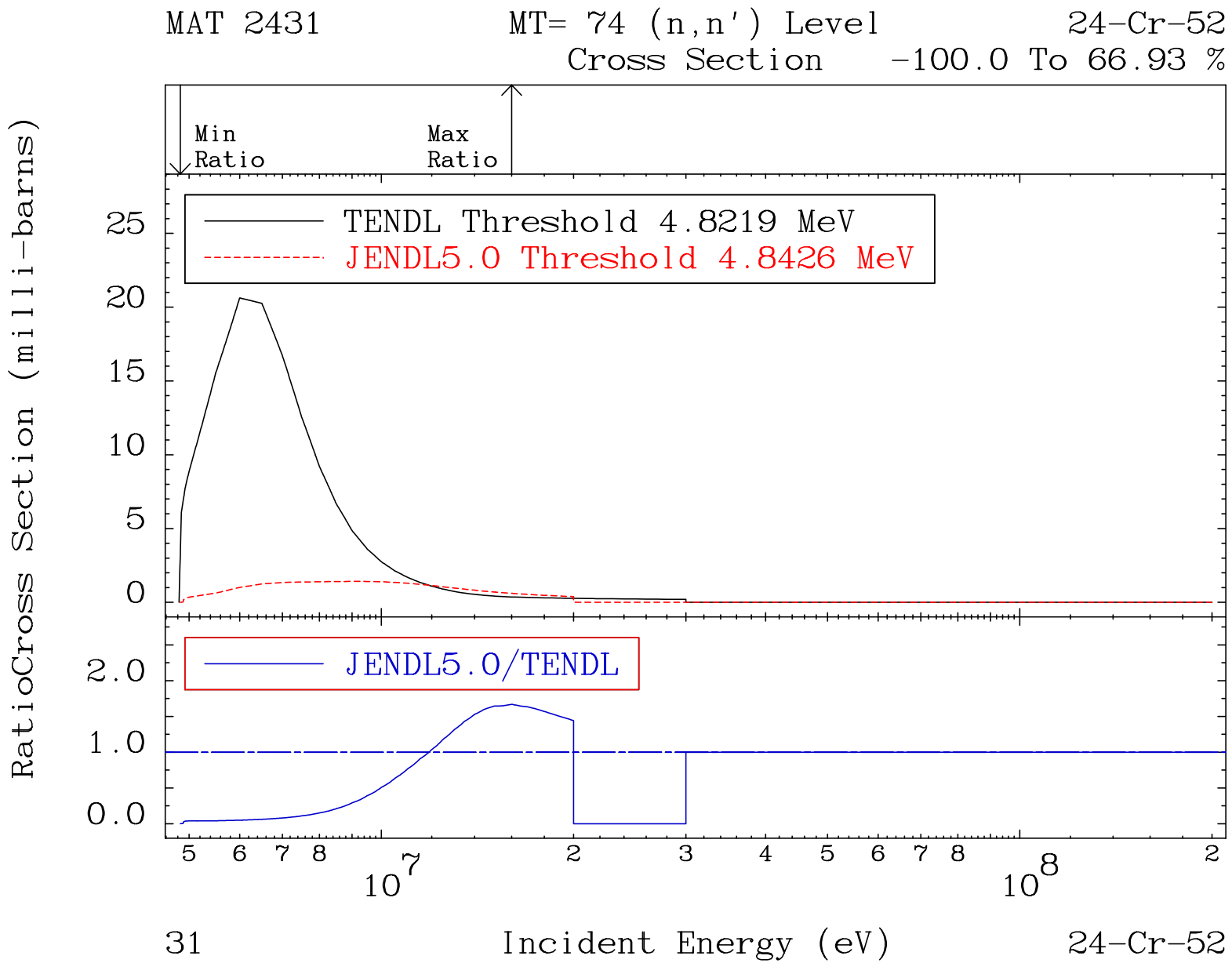

MAT 2431
MT= 69 (n,n') Level
24-Cr-52
Cross Section -100.0 To 56.67 %
Min Ratio
Max Ratio
TENDL Threshold 4.6516 MeV
JENDL5.0 Threshold 4.7005 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
0.0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
26
Incident Energy (eV)
24-Cr-52

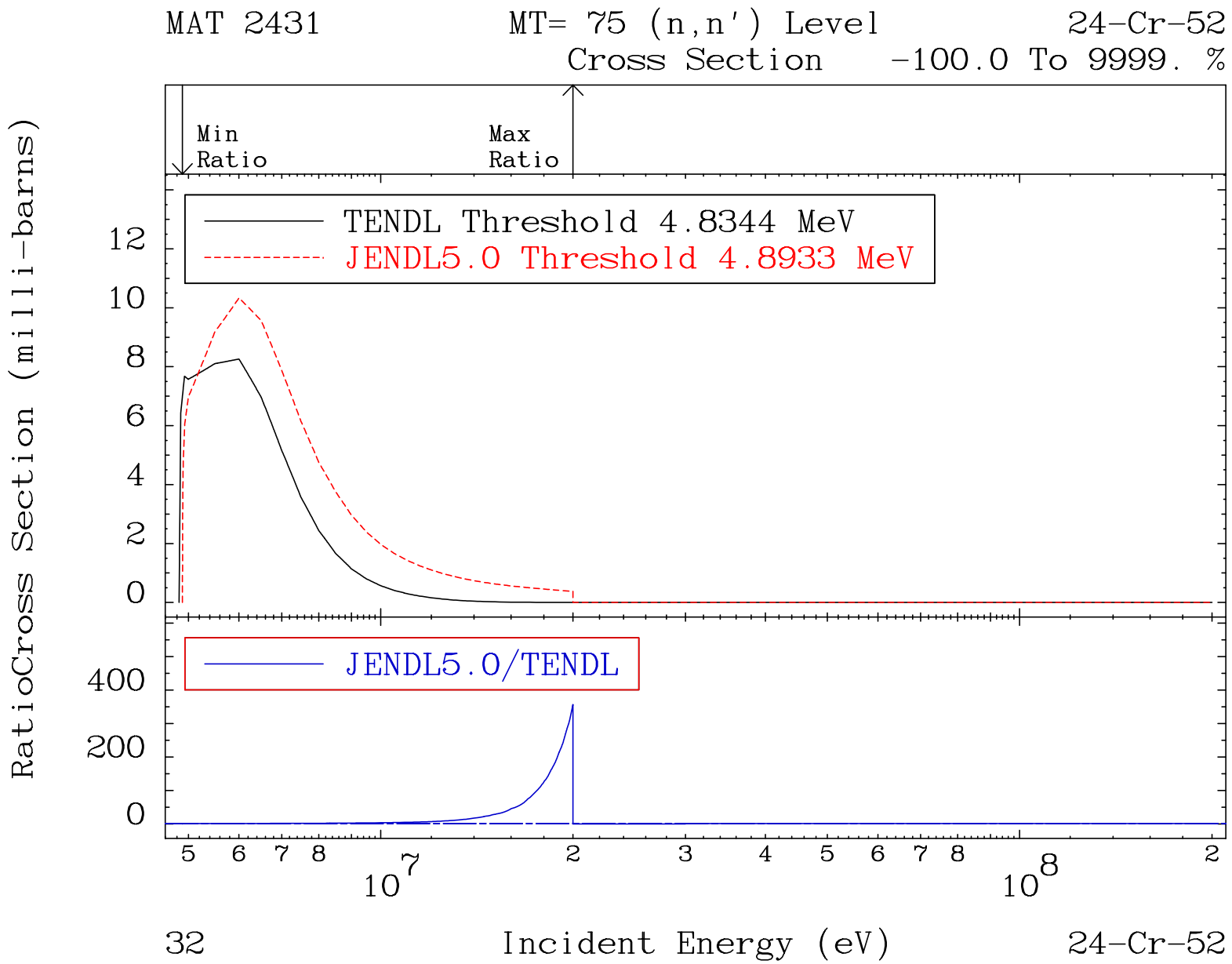

MAT 2431
MT= 70 (n,n') Level
24-Cr-52
Cross Section -100.0 To 3776. %
Max
Ratio
TENDL Threshold 4.6730 MeV
JENDL5.0 Threshold 4.7172 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
27
24-Cr-52

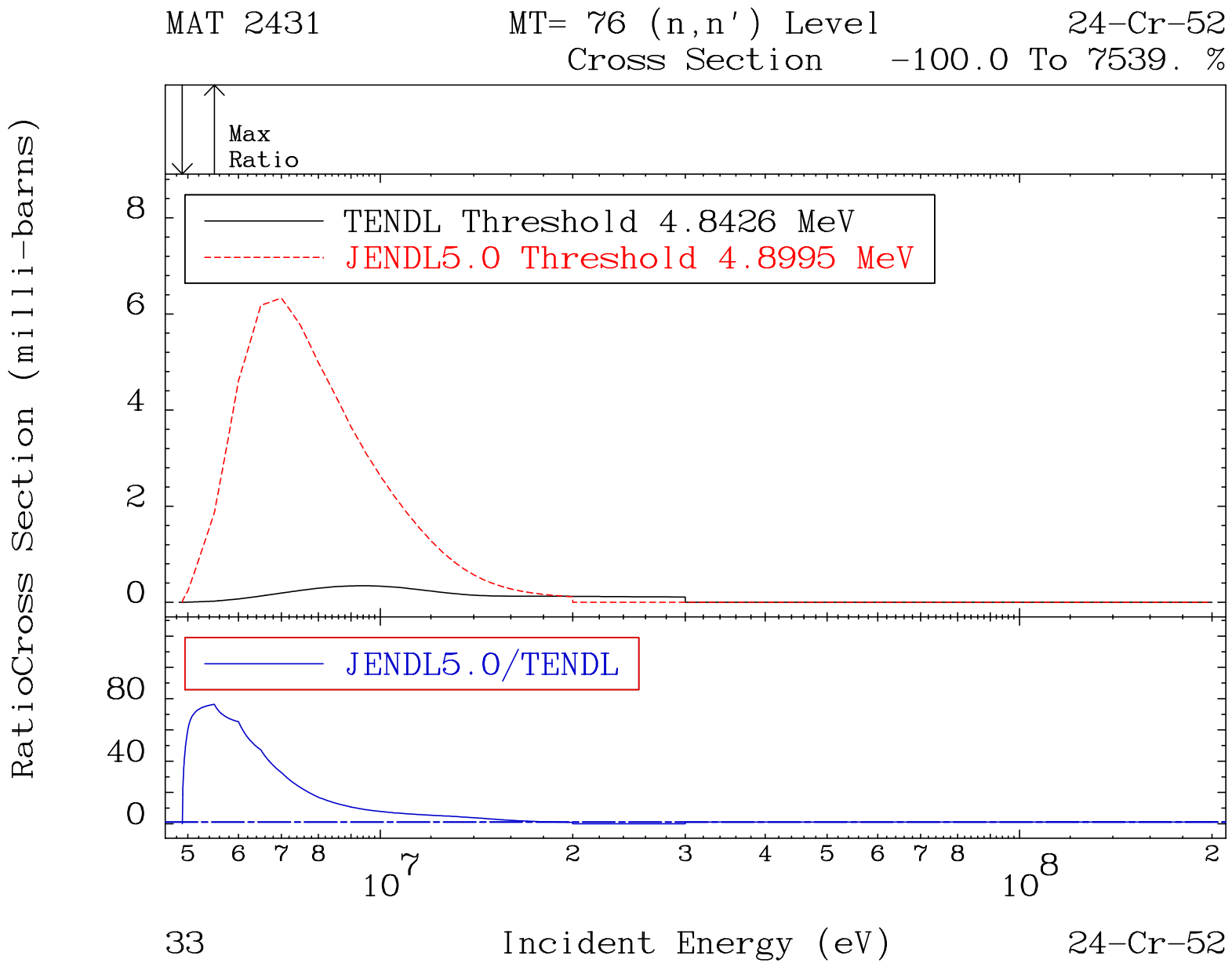

MAT 2431
MT= 71 (n,n') Level
24-Cr-52
Cross Section -100.0 To 196.3 %
Min Ratio
Max Ratio
TENDL Threshold 4.7005 MeV
JENDL5.0 Threshold 4.7933 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
4
2
0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
24-Cr-52

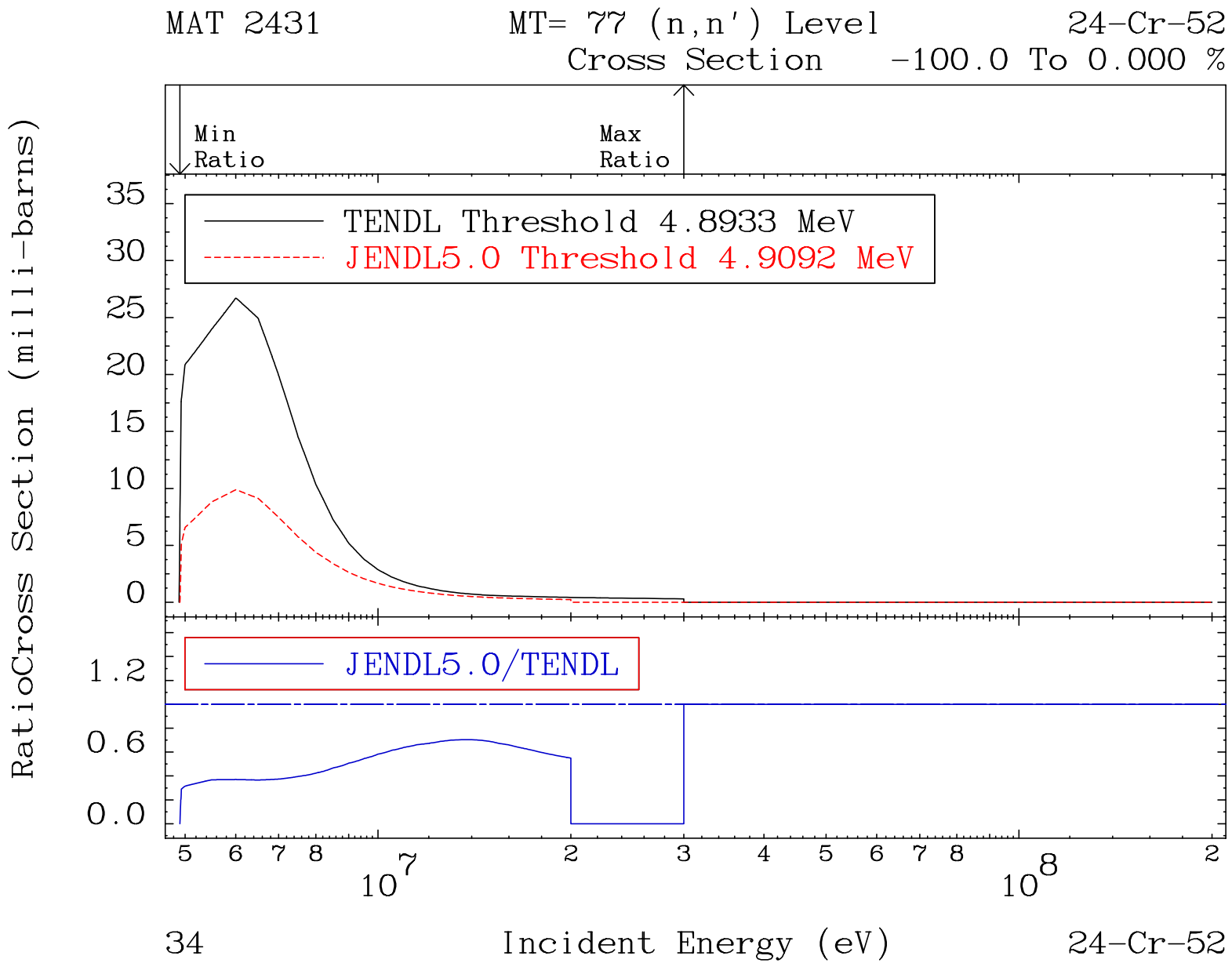

MAT 2431
MT= 72 (n,n') Level
24-Cr-52
Cross Section -100.0 To 101.0 %
Min Ratio
Max Ratio
TENDL Threshold 4.7172 MeV
JENDL5.0 Threshold 4.8219 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
3.0
2.0
1.0
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
24-Cr-52

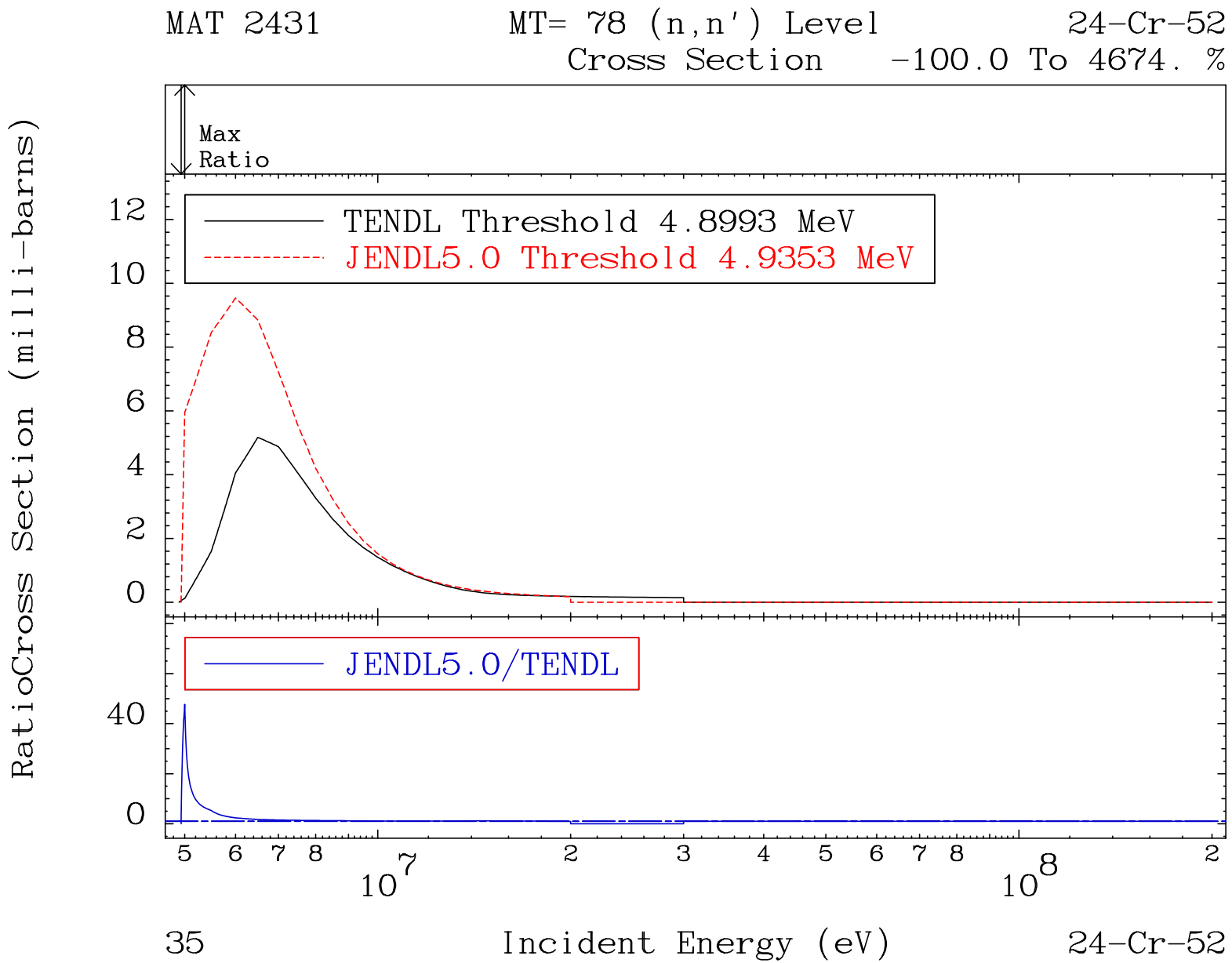

MAT 2431
MT= 73 (n,n') Level
24-Cr-52
Cross Section
-100.0 To 65.17 %
Min Ratio
Max Ratio
TENDL Threshold 4.7933 MeV
JENDL5.0 Threshold 4.8344 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
24-Cr-52

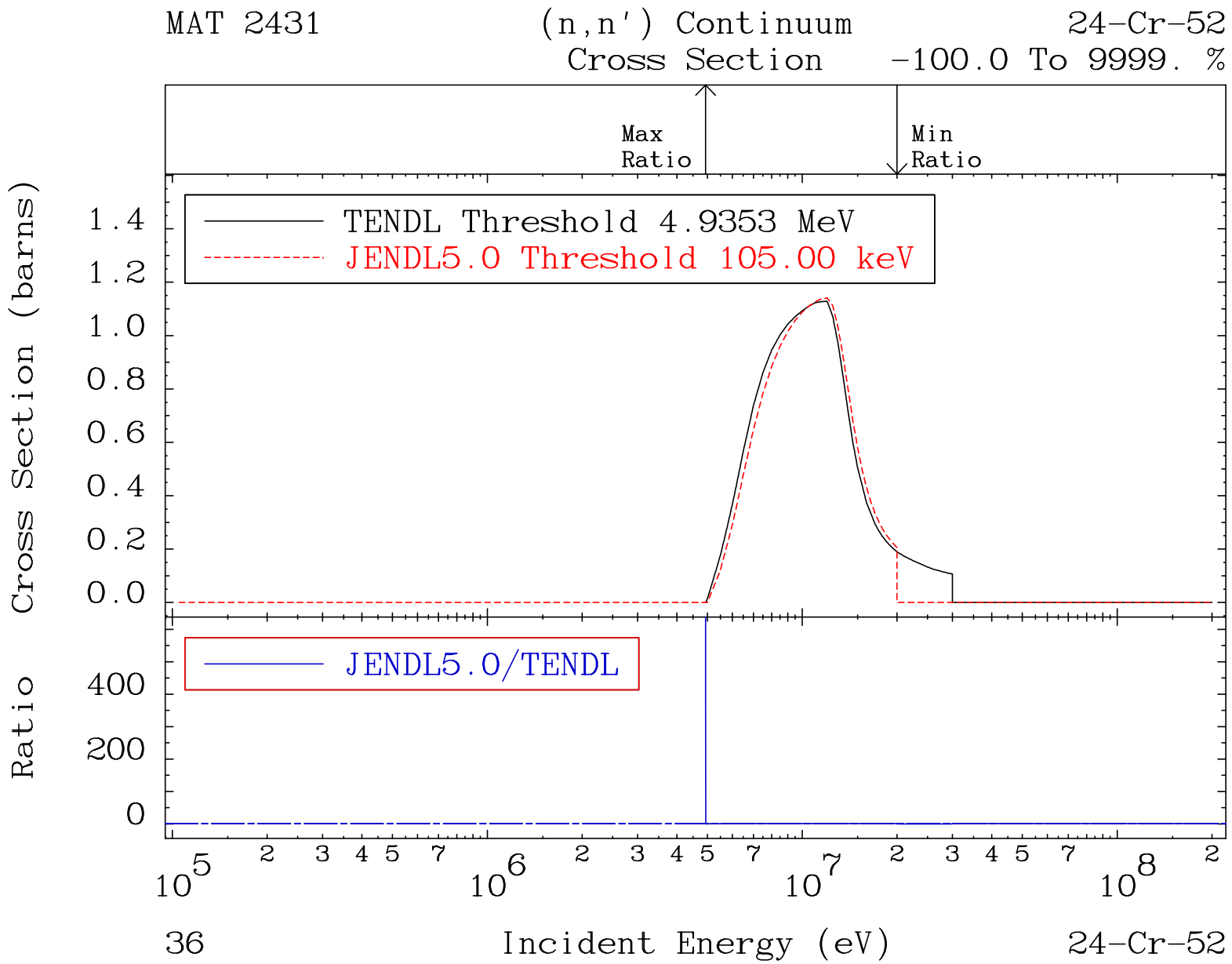

MAT 2431
MT= 74 (n,n') Level
24-Cr-52
Cross Section -100.0 To 66.93 %
Min Ratio
Max Ratio
TENDL Threshold 4.8219 MeV
JENDL5.0 Threshold 4.8426 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
2.0
1.0
0.0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
24-Cr-52

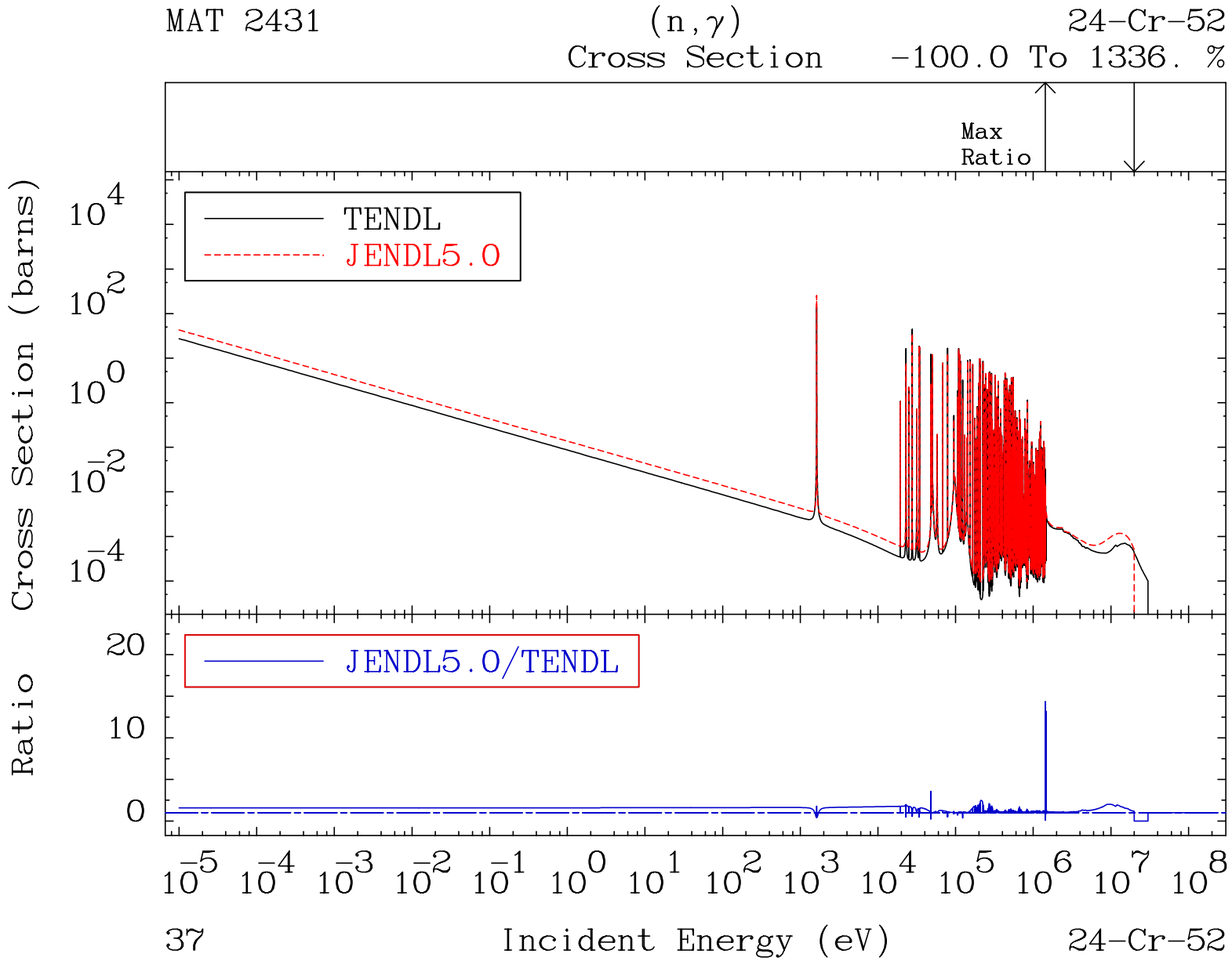

MAT 2431
MT= 75 (n,n') Level
24-Cr-52
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.8344 MeV
JENDL5.0 Threshold 4.8933 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
32
24-Cr-52

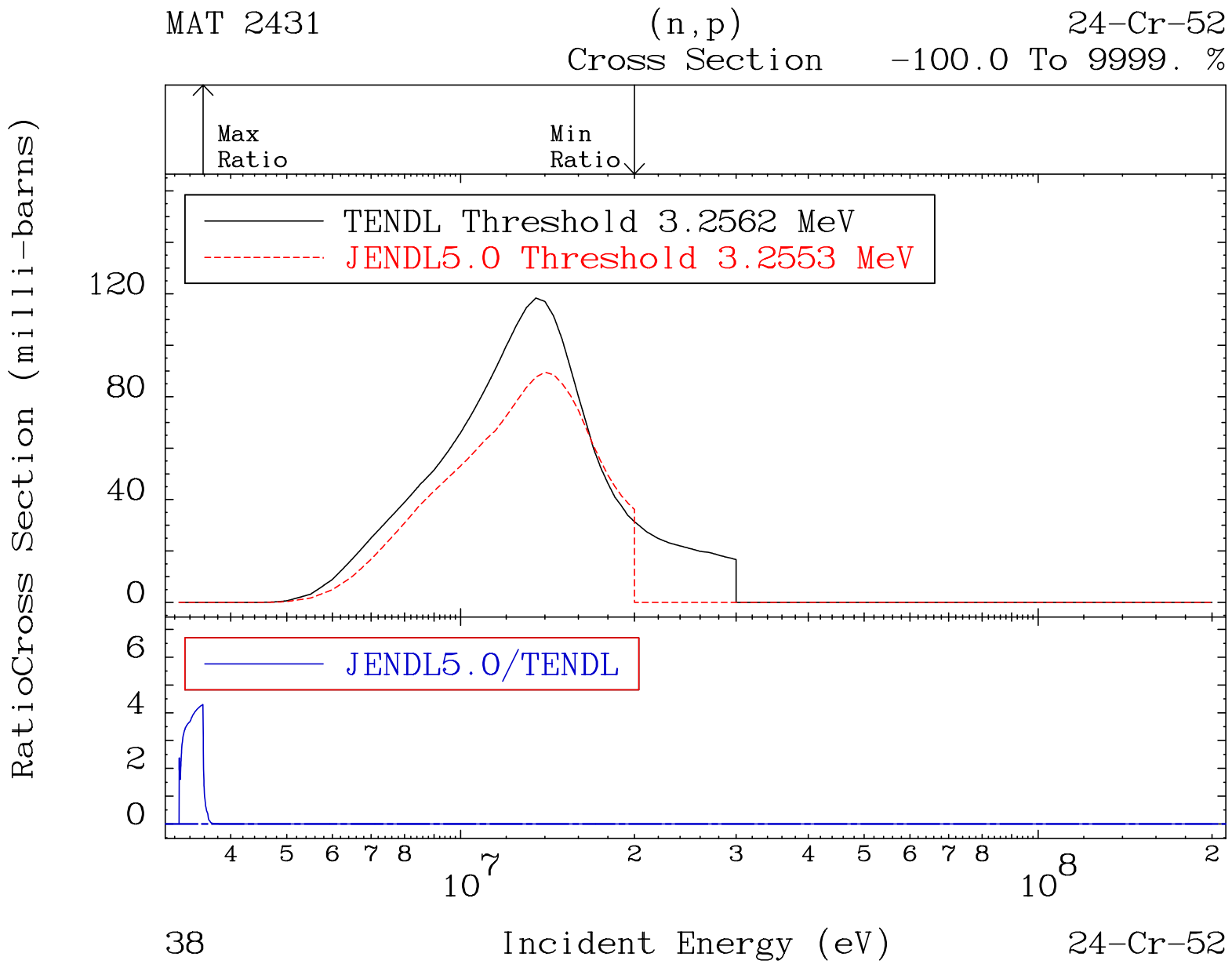

MAT 2431
MT= 76 (n,n') Level
24-Cr-52
Cross Section -100.0 To 7539. %
Max
Ratio
TENDL Threshold 4.8426 MeV
JENDL5.0 Threshold 4.8995 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
33
24-Cr-52

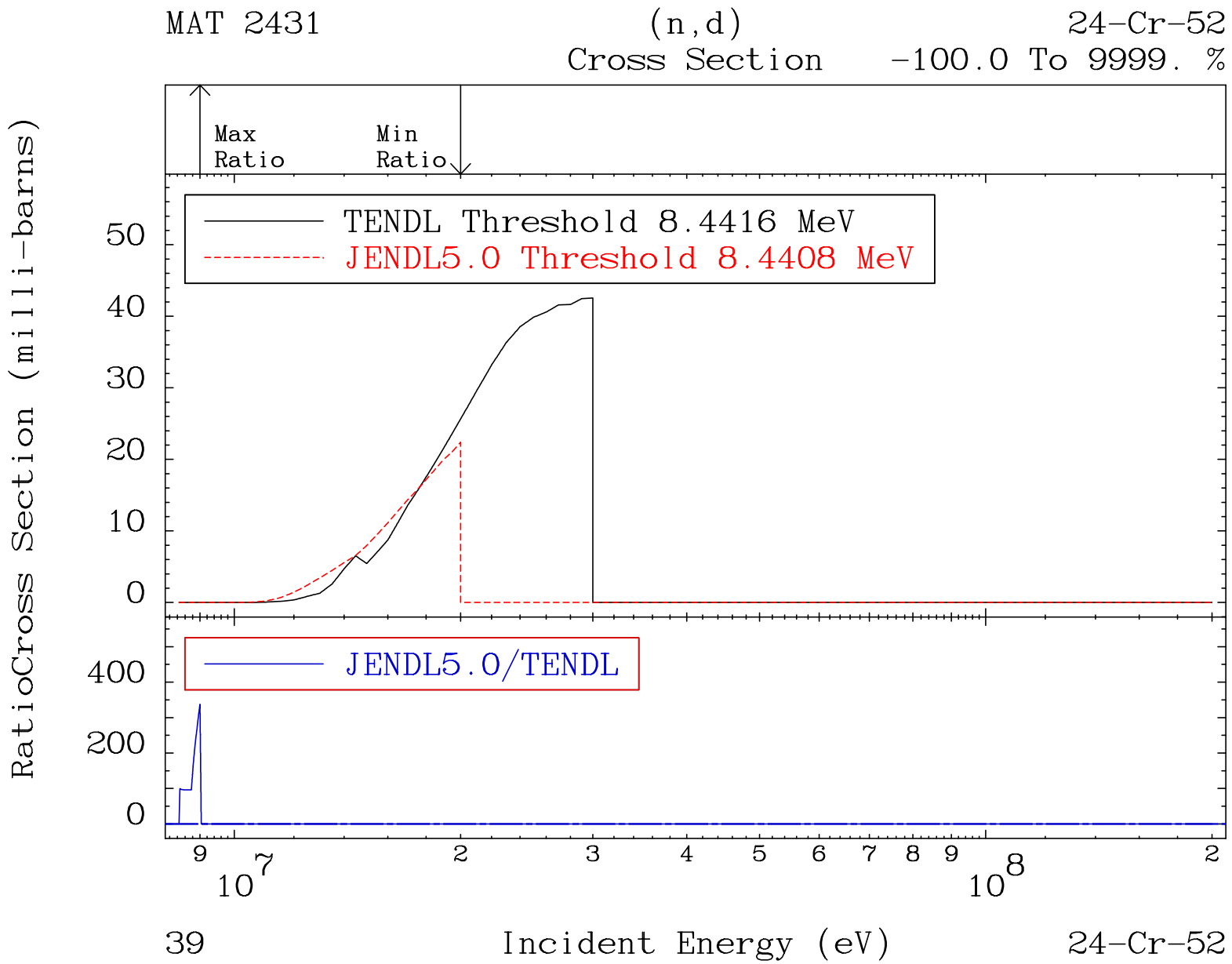

MAT 2431
MT= 77 (n,n') Level
24-Cr-52
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 4.8933 MeV
JENDL5.0 Threshold 4.9092 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
1.2
0.6
0.0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
34
Incident Energy (eV)
24-Cr-52

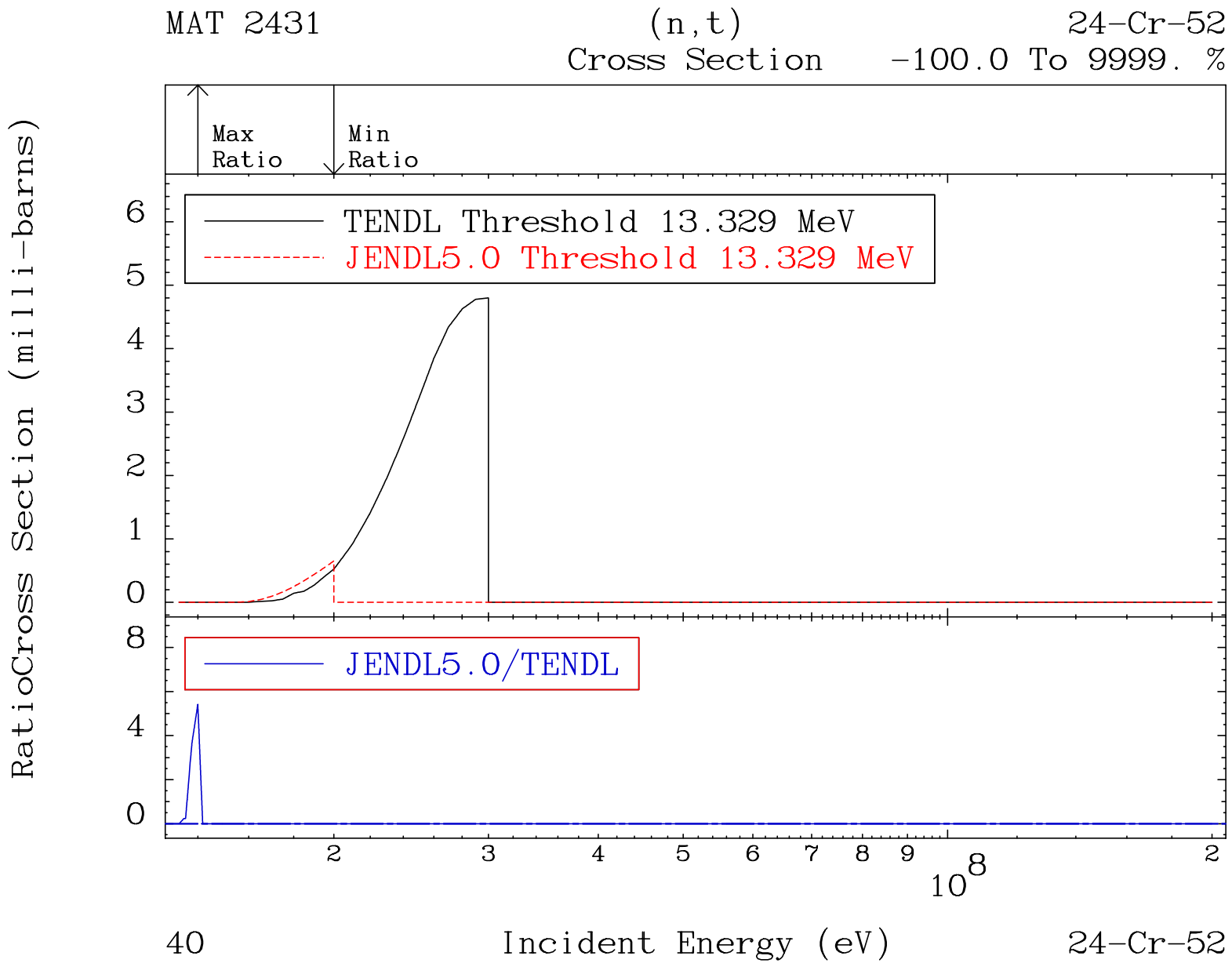

MAT 2431
MT= 78 (n,n') Level
24-Cr-52
Cross Section -100.0 To 4674. %
Max
Ratio
TENDL Threshold 4.8993 MeV
JENDL5.0 Threshold 4.9353 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
40
0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
35
Incident Energy (eV)
24-Cr-52

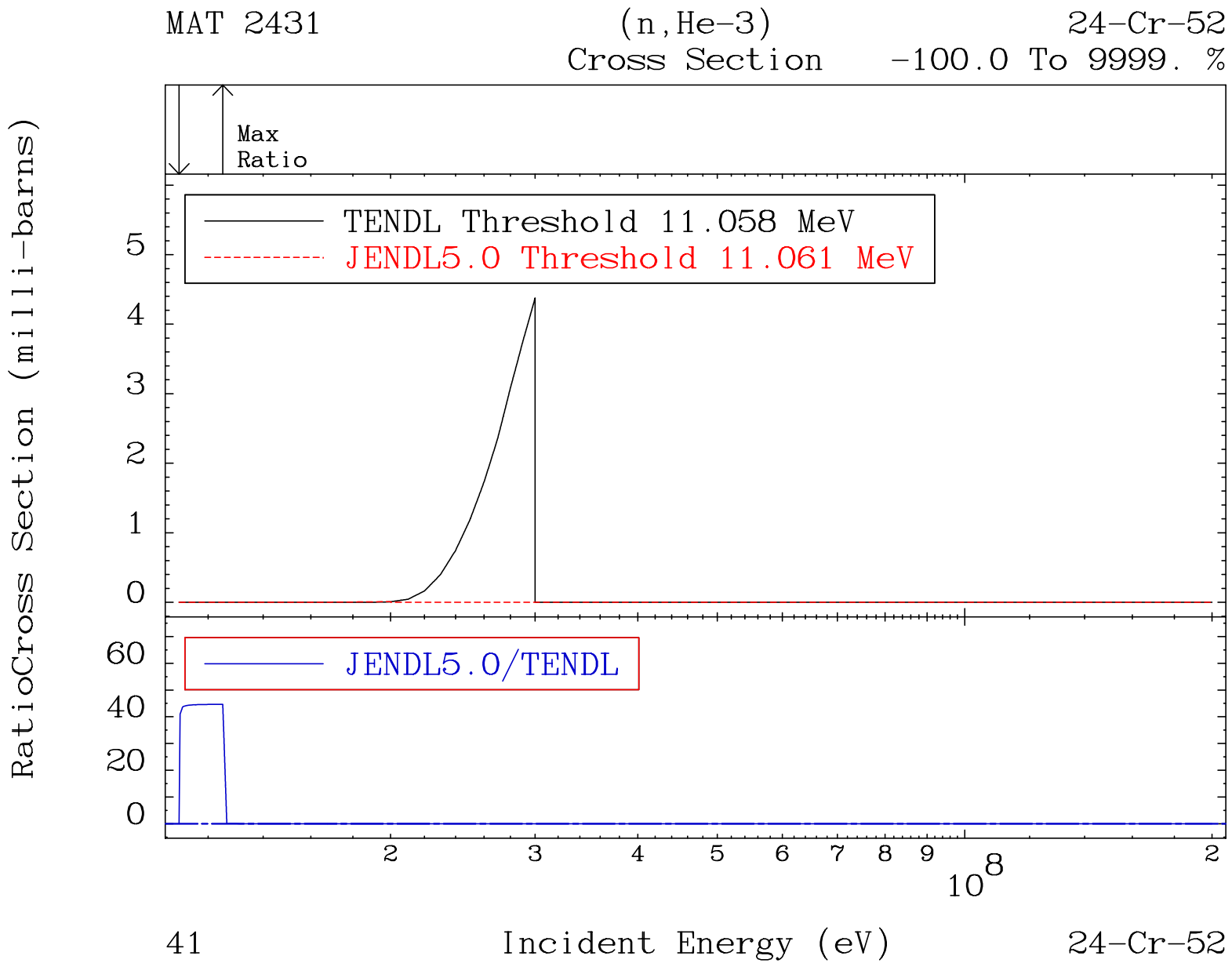

MAT 2431
(n,n') Continuum
Cross Section
24-Cr-52
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.9353 MeV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
400
200
0
10^5
10^6
10^7
10^8
36
Incident Energy (eV)
24-Cr-52

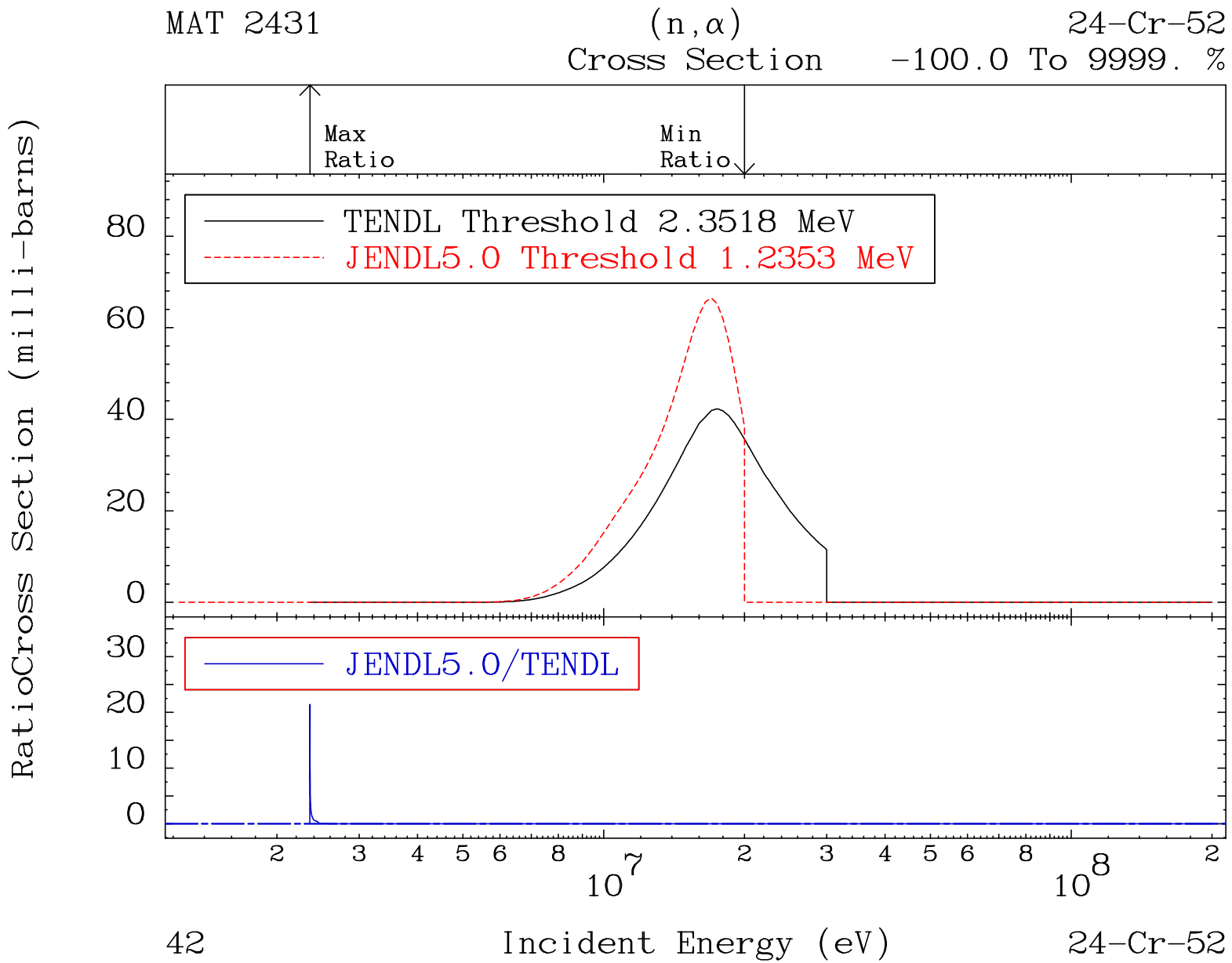

MAT 2431
(n,γ)
Cross Section
24-Cr-52
-100.0 To 1336. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
37
24-Cr-52

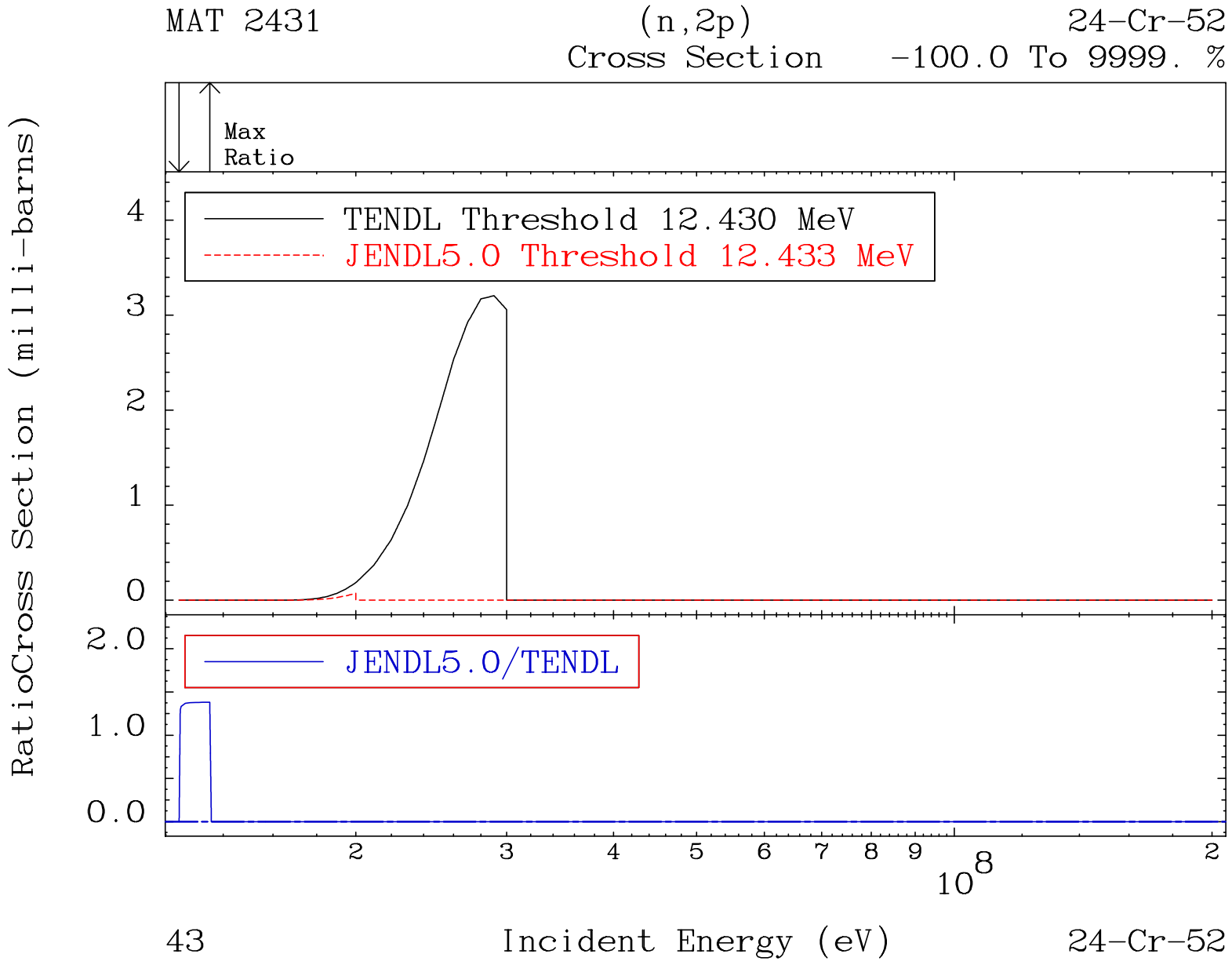

MAT 2431
(n,p)
24-Cr-52
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.2562 MeV
JENDL5.0 Threshold 3.2553 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
80
40
0
6
4
2
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
38
Incident Energy (eV)
24-Cr-52

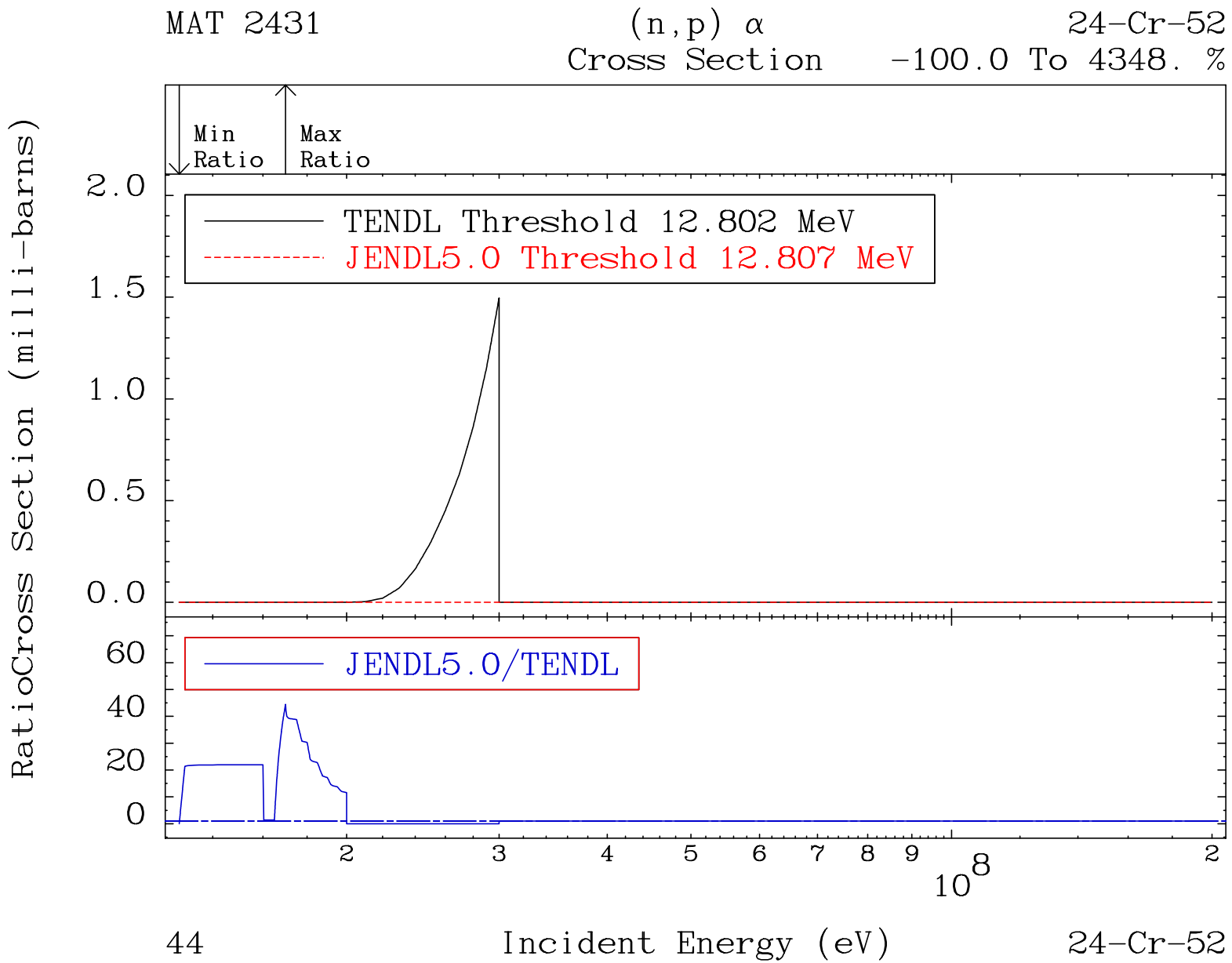

MAT 2431
(n,d)
24-Cr-52
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 8.4416 MeV
JENDL5.0 Threshold 8.4408 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
400
200
0
9
2
3
4
5
6
7
8
9
2
10^7
10^8
39
Incident Energy (eV)
24-Cr-52

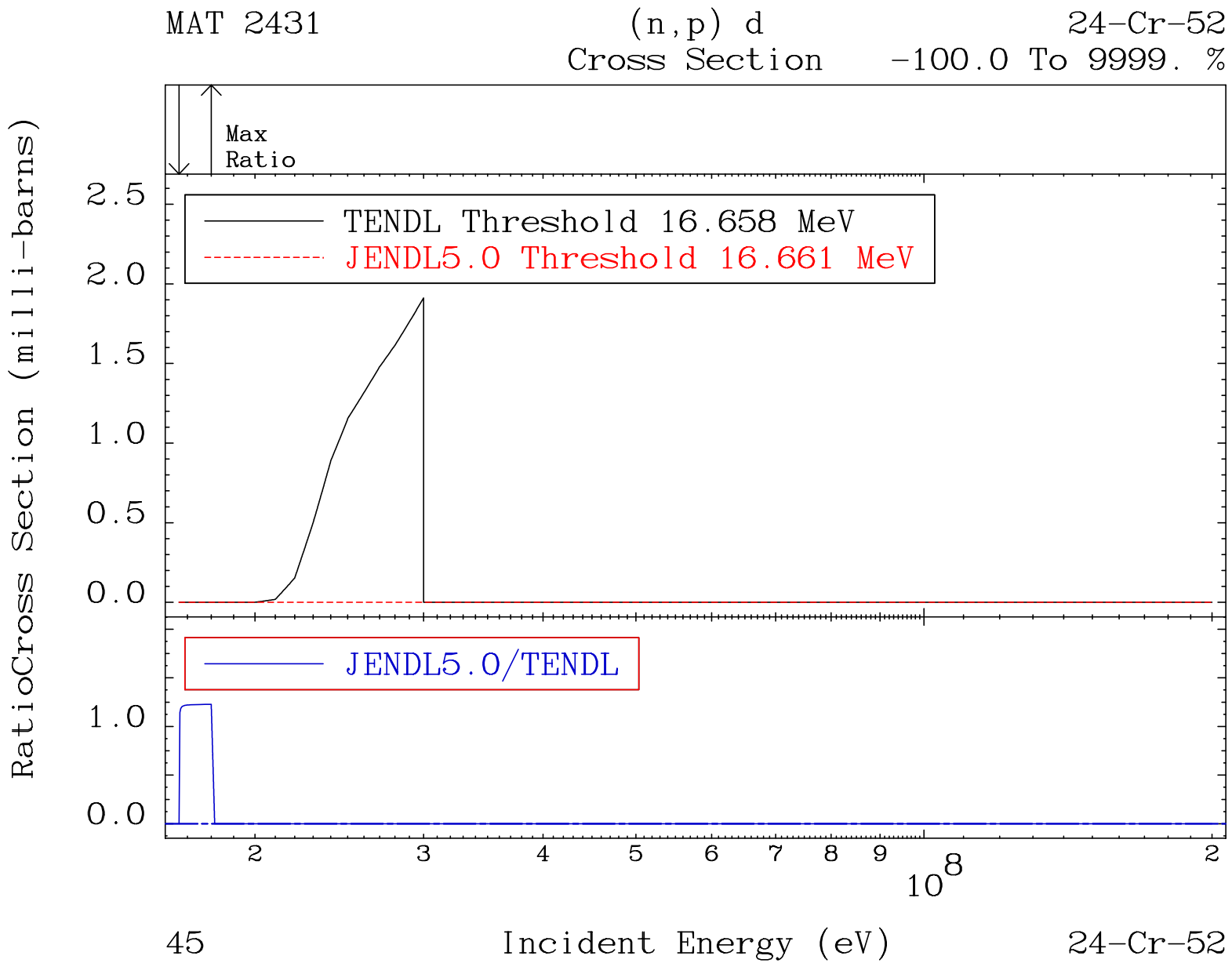

MAT 2431
(n,t)
24-Cr-52
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 13.329 MeV
JENDL5.0 Threshold 13.329 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
40
24-Cr-52

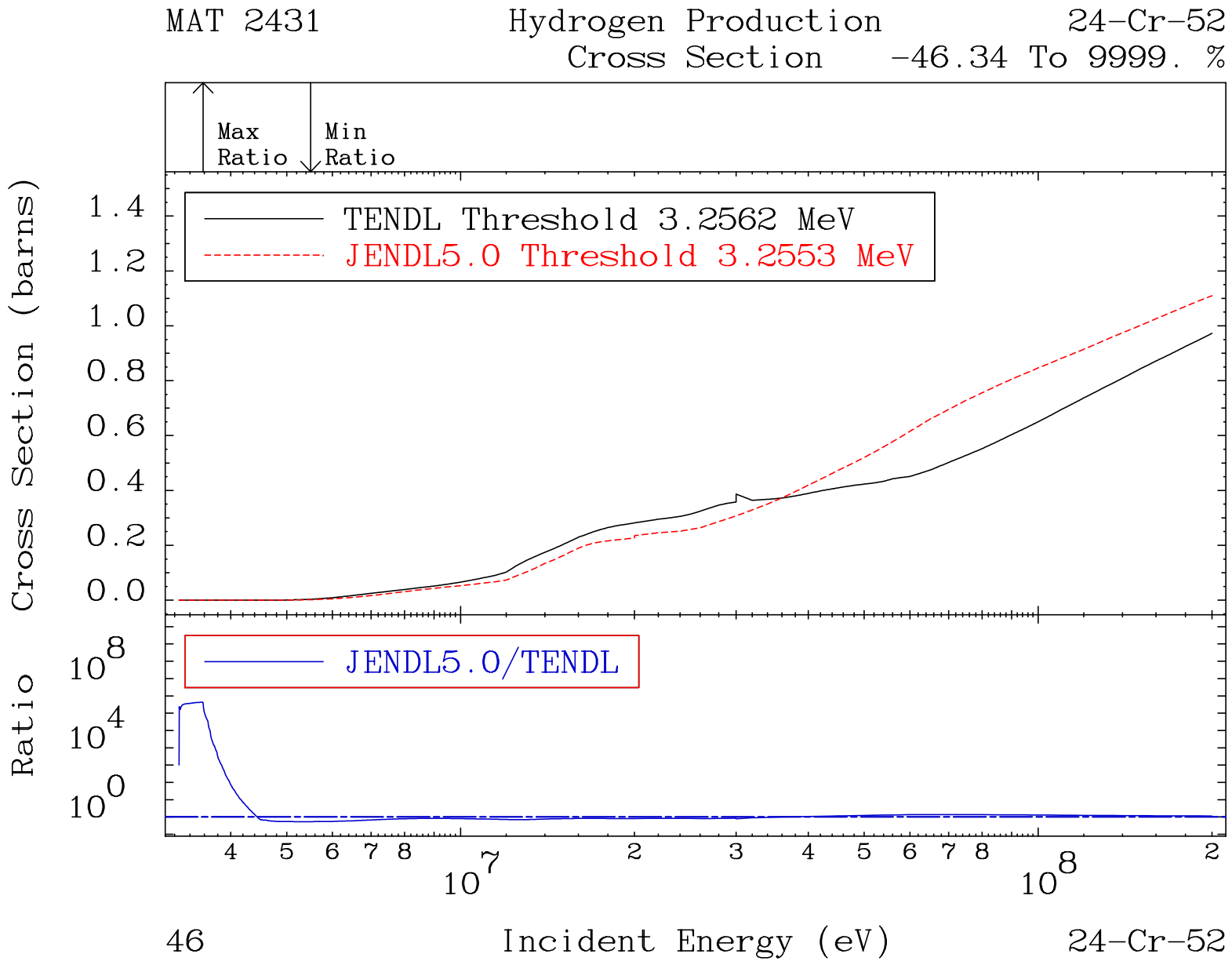

MAT 2431
(n,He-3)
24-Cr-52
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 11.058 MeV
JENDL5.0 Threshold 11.061 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
0
1
2
3
4
5
0
20
40
60
2
3
4
5
6
7
8
9
2
10^8
41
Incident Energy (eV)
24-Cr-52

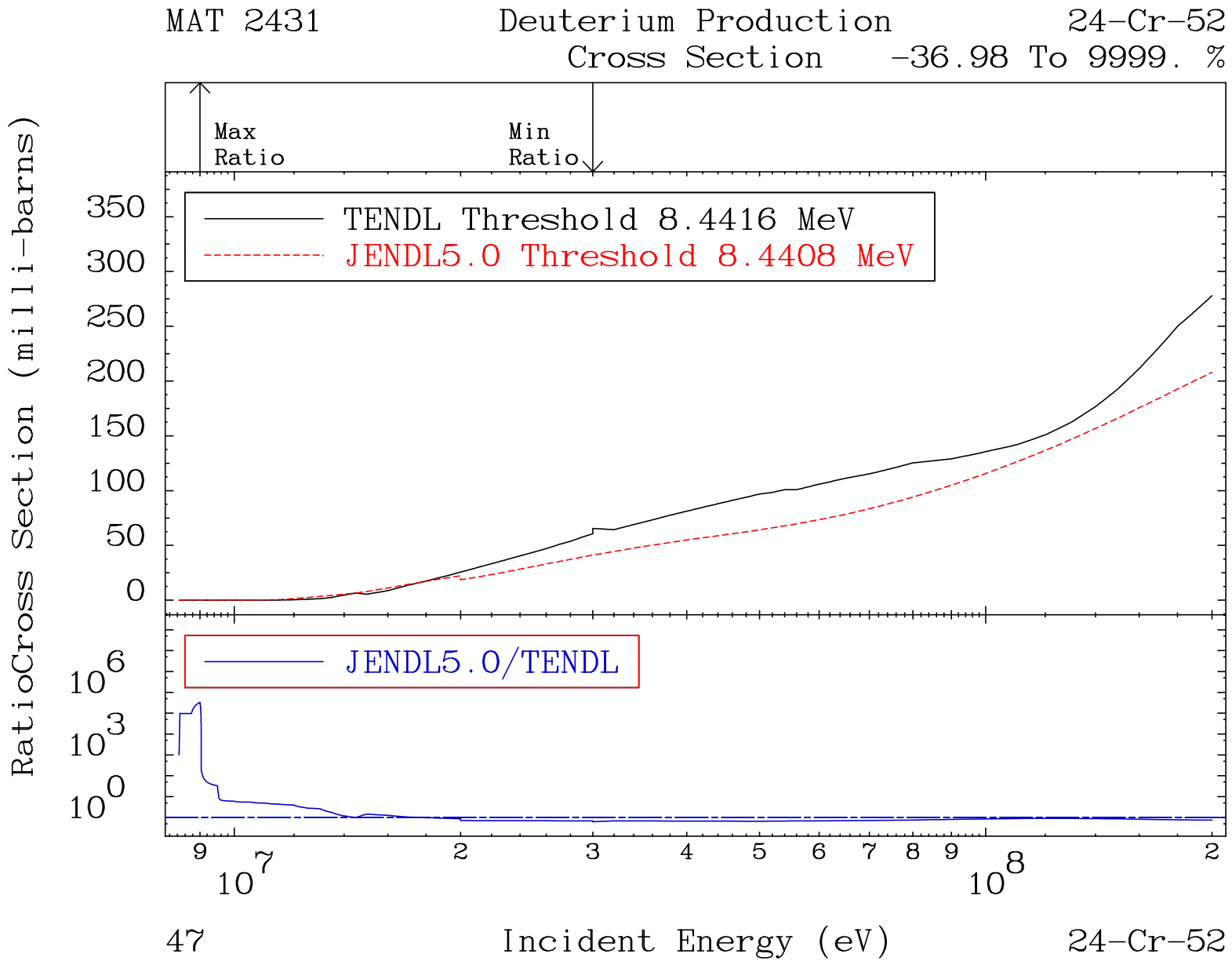

MAT 2431
(n,α)
24-Cr-52
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.3518 MeV
JENDL5.0 Threshold 1.2353 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
30
20
10
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
42
Incident Energy (eV)
24-Cr-52

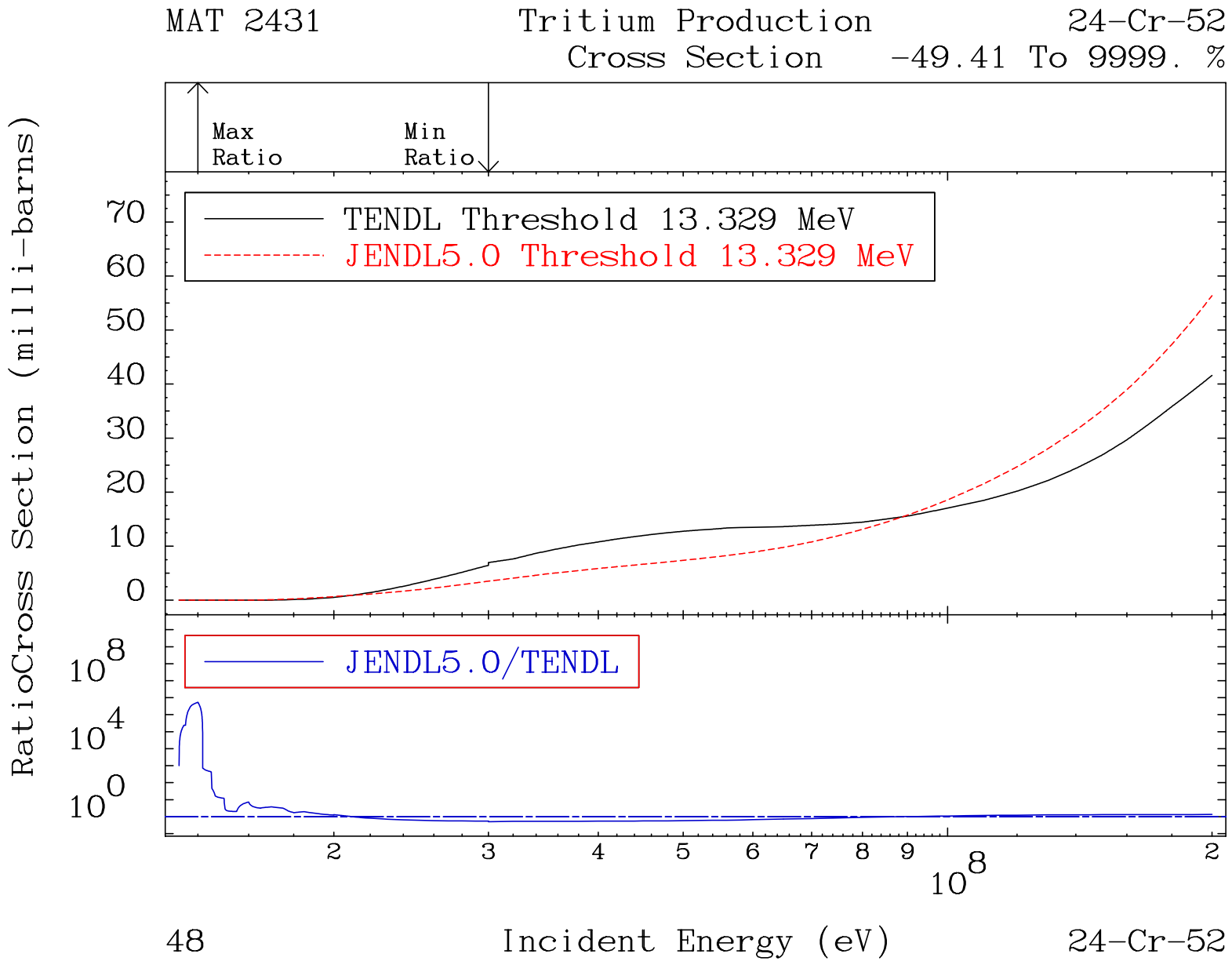

MAT 2431
(n,2p)
24-Cr-52
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 12.430 MeV
JENDL5.0 Threshold 12.433 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
4
3
2
1
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
43
Incident Energy (eV)
24-Cr-52

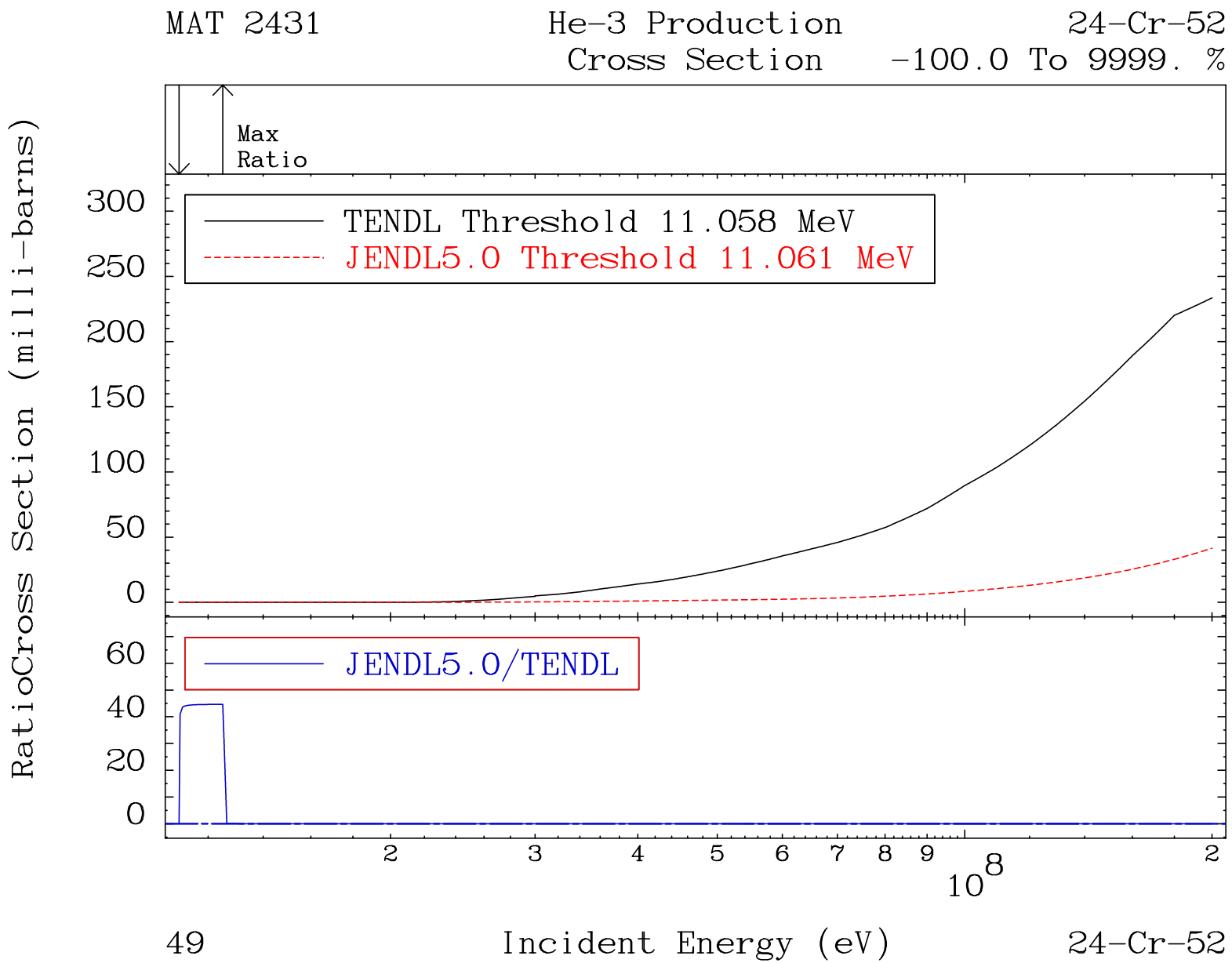

MAT 2431
(n,p) α
24-Cr-52
Cross Section
-100.0 To 4348. %
Min Ratio
Max Ratio
TENDL Threshold 12.802 MeV
JENDL5.0 Threshold 12.807 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
60
40
20
0
2
3
4
5
6
7
8
9
2
10^8
44
Incident Energy (eV)
24-Cr-52

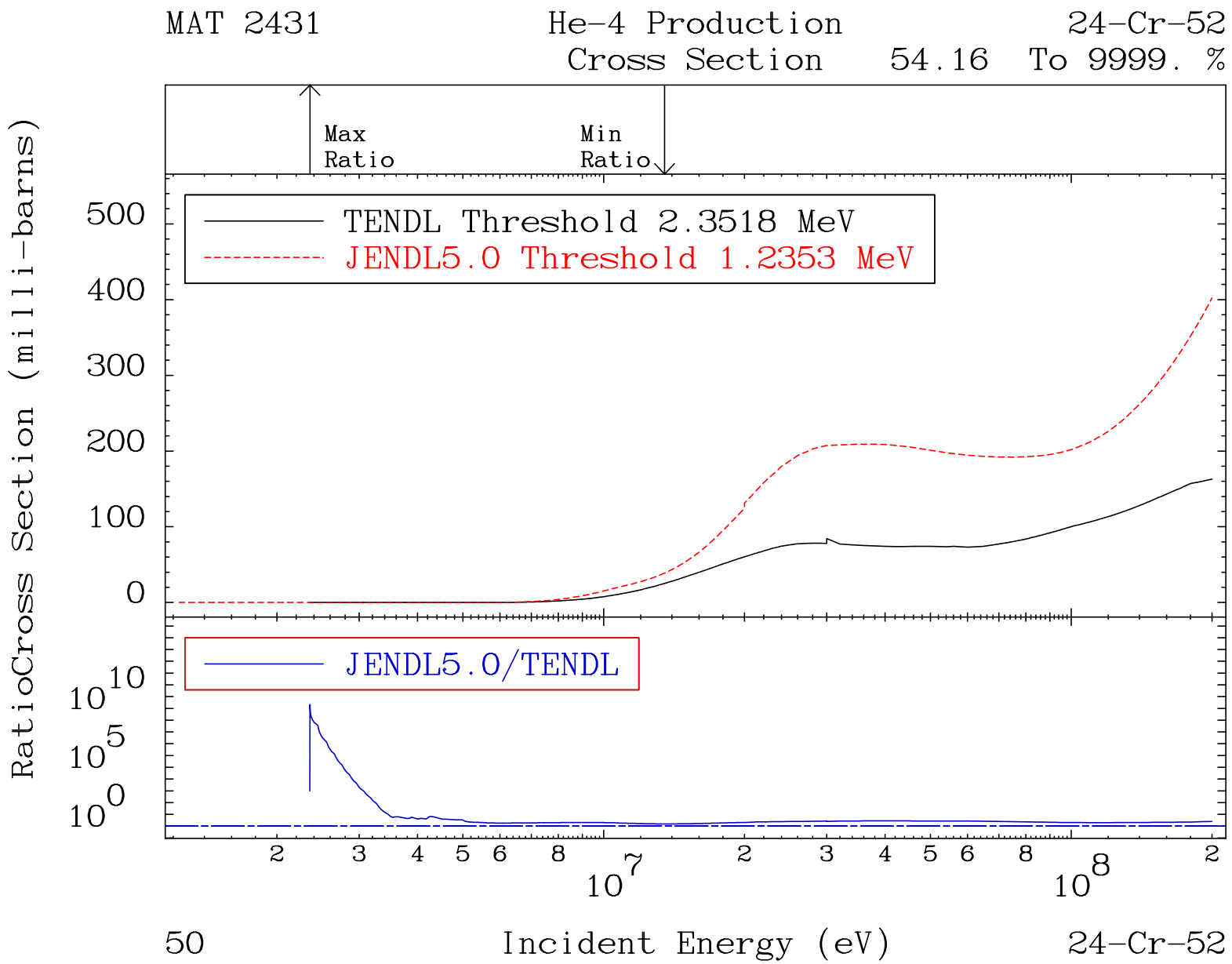

MAT 2431
(n,p) d
Cross Section
24-Cr-52
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 16.658 MeV
JENDL5.0 Threshold 16.661 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
45
Incident Energy (eV)
24-Cr-52

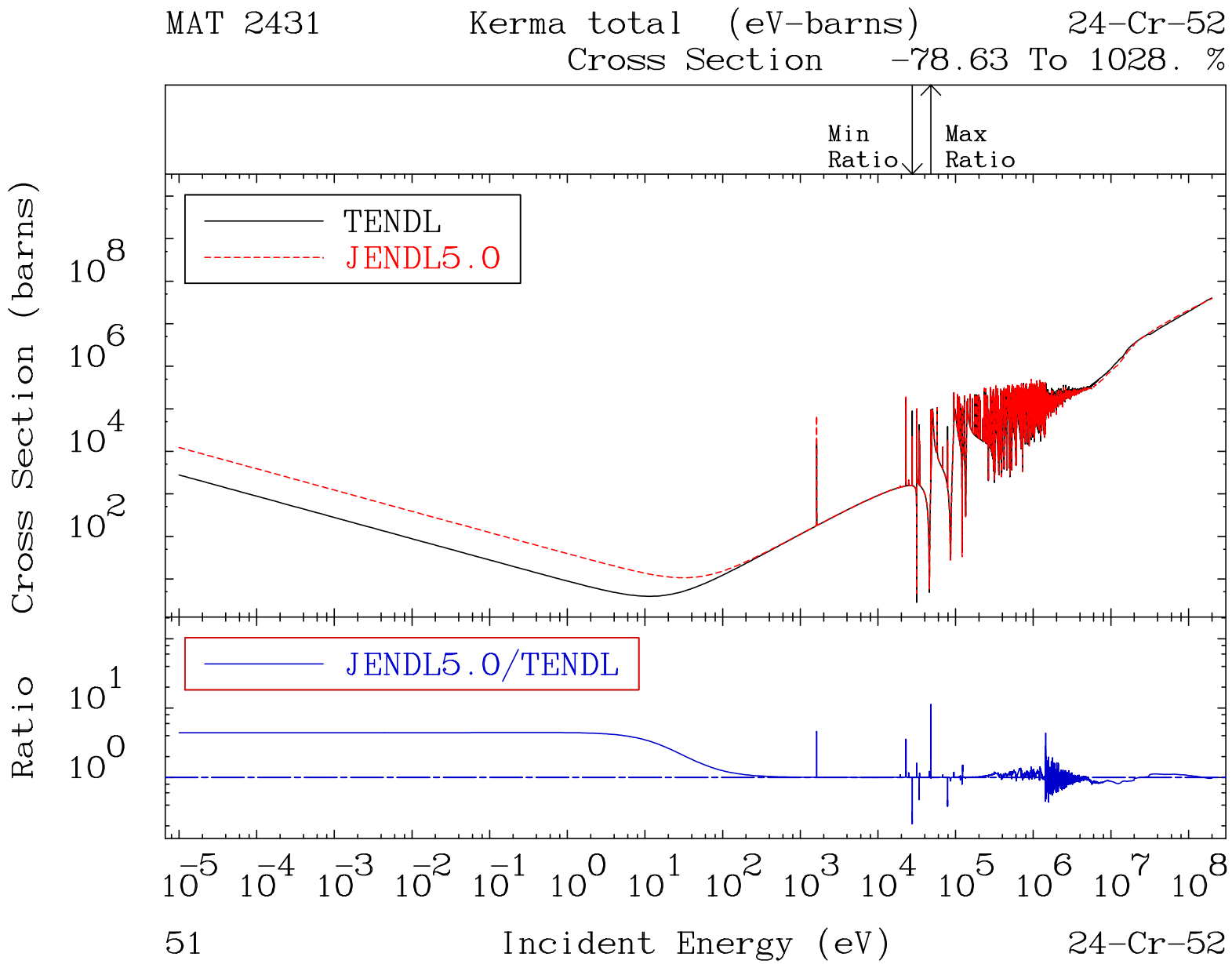

MAT 2431
Hydrogen Production
24-Cr-52
Cross Section
-46.34 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.2562 MeV
JENDL5.0 Threshold 3.2553 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
24-Cr-52

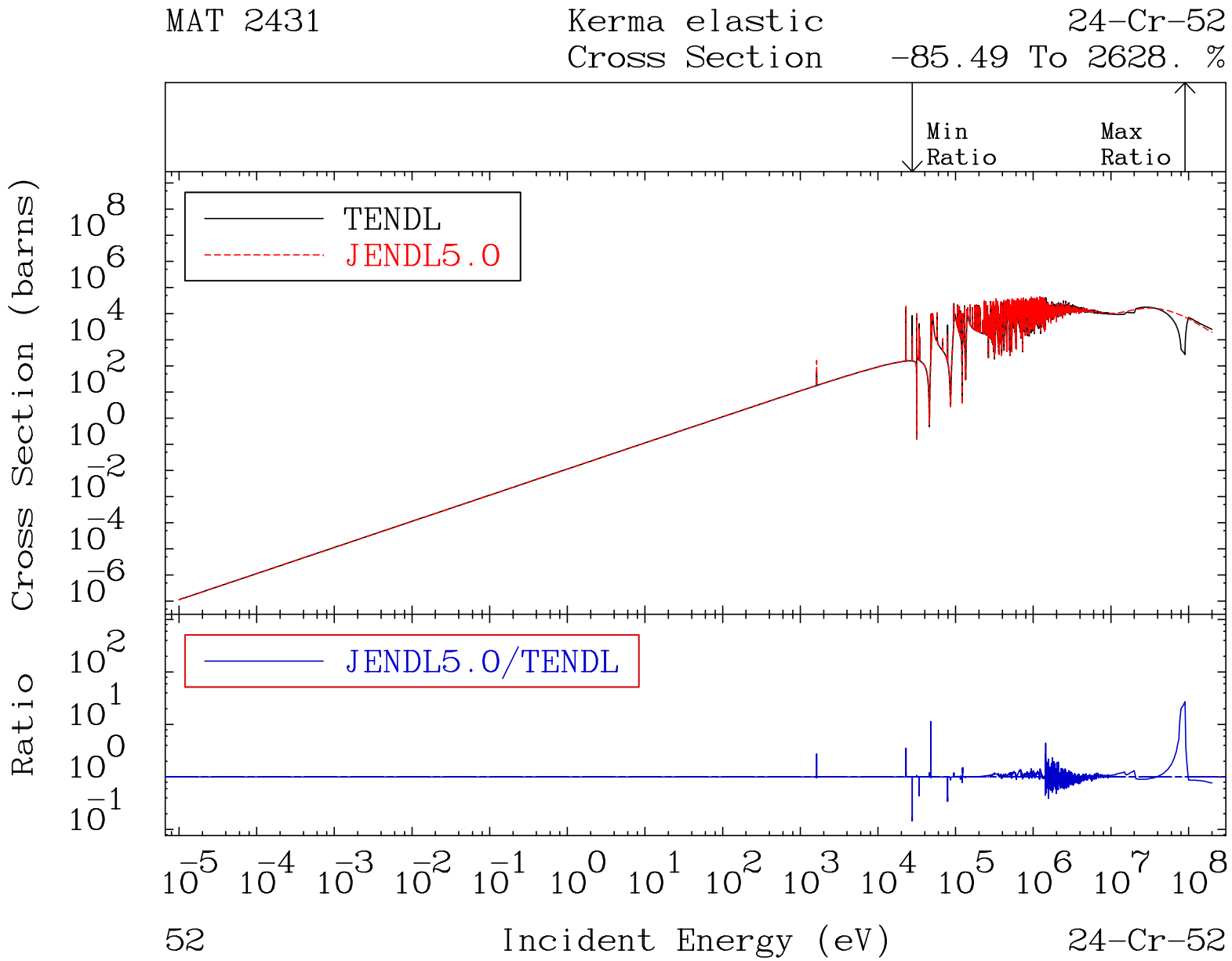

MAT 2431
Deuterium Production
24-Cr-52
Cross Section -36.98 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 8.4416 MeV
JENDL5.0 Threshold 8.4408 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
10^6
10^3
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
47
Incident Energy (eV)
24-Cr-52

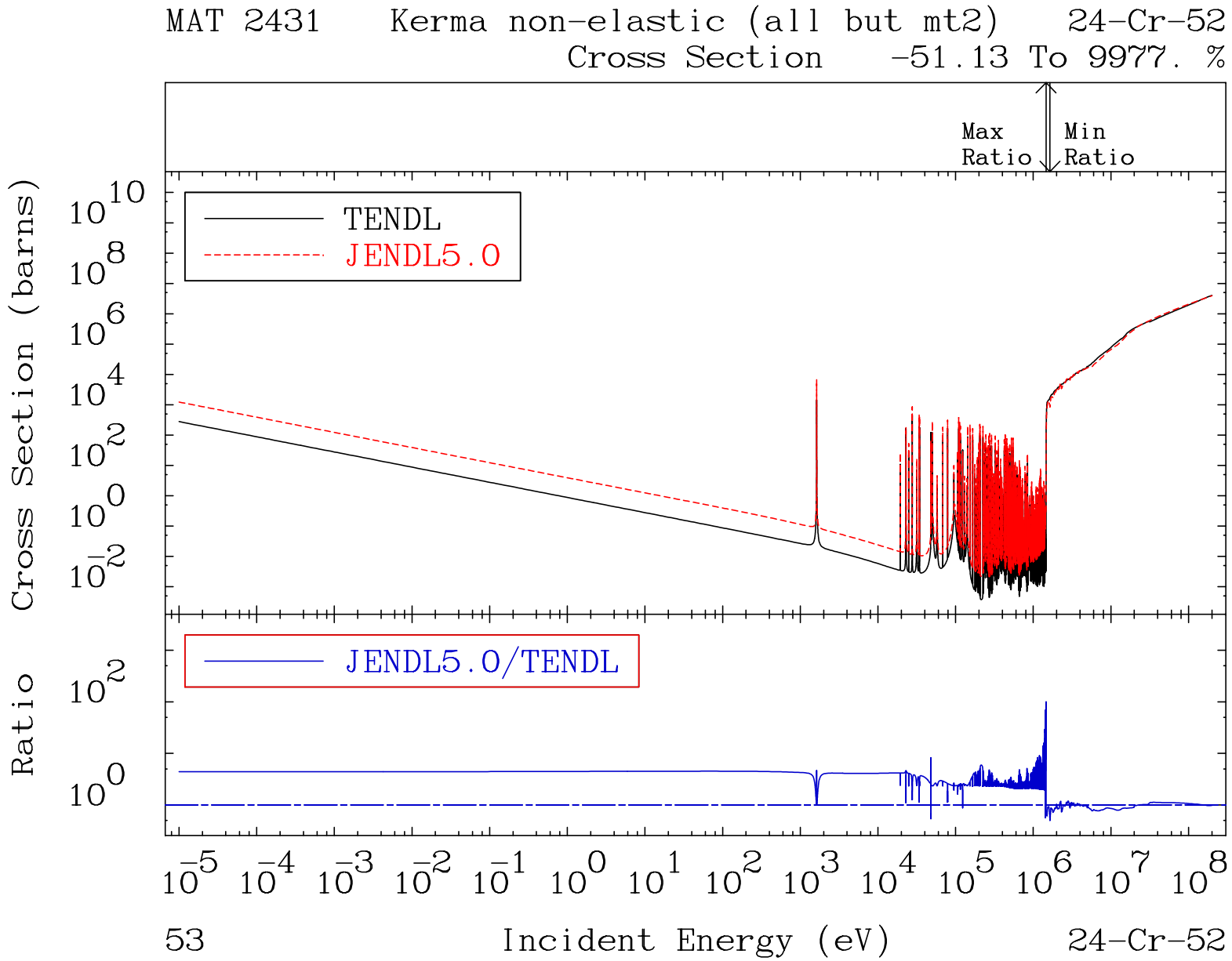

MAT 2431
Tritium Production
24-Cr-52
Cross Section
-49.41 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 13.329 MeV
JENDL5.0 Threshold 13.329 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
10^8
10^4
10^0
2
3
4
5
6
7
8
9
10^8
2
48
Incident Energy (eV)
24-Cr-52

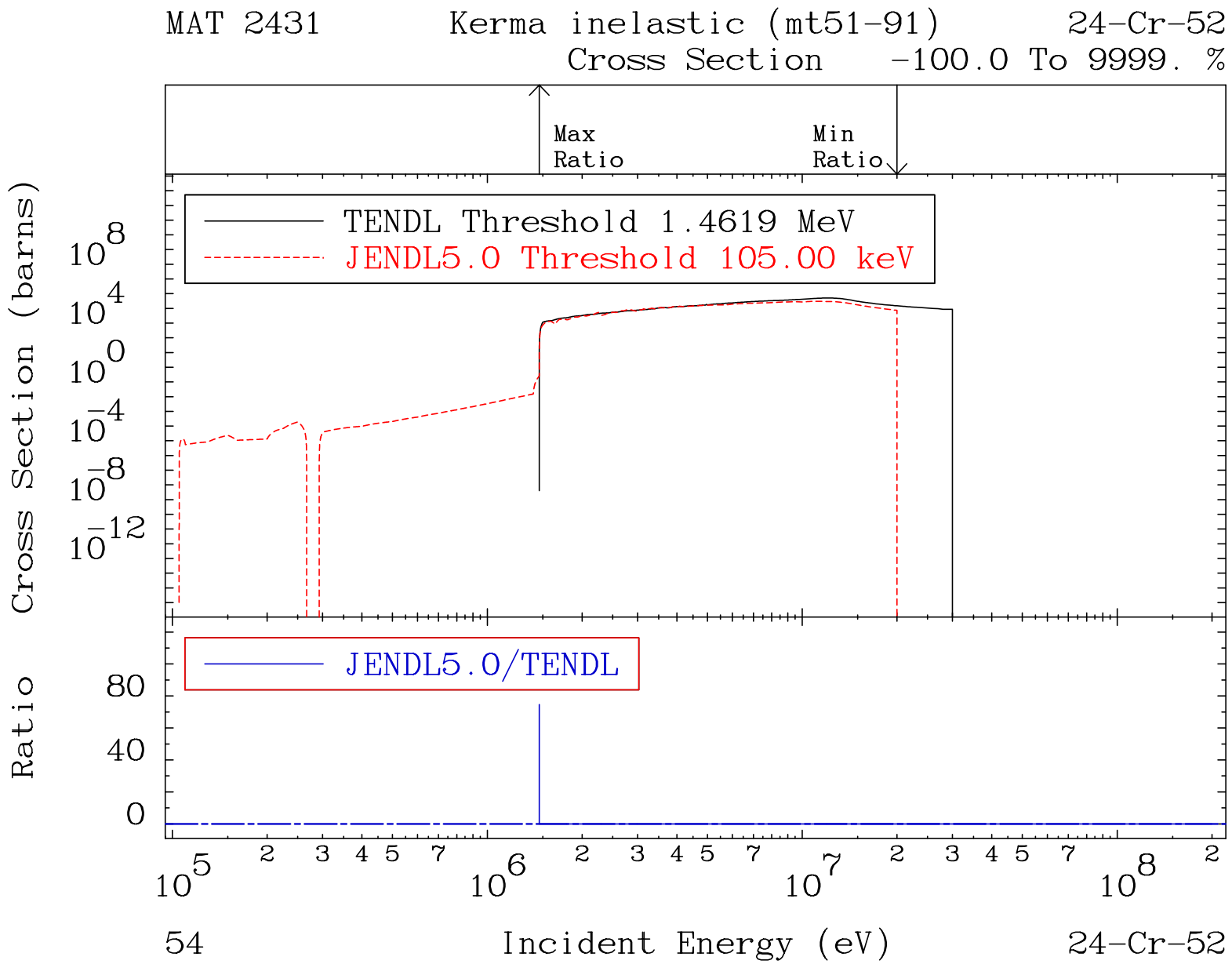

MAT 2431
He-3 Production
Cross Section
24-Cr-52
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 11.058 MeV
JENDL5.0 Threshold 11.061 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
60
40
20
0
2
3
4
5
6
7
8
9
10^8
2
49
Incident Energy (eV)
24-Cr-52

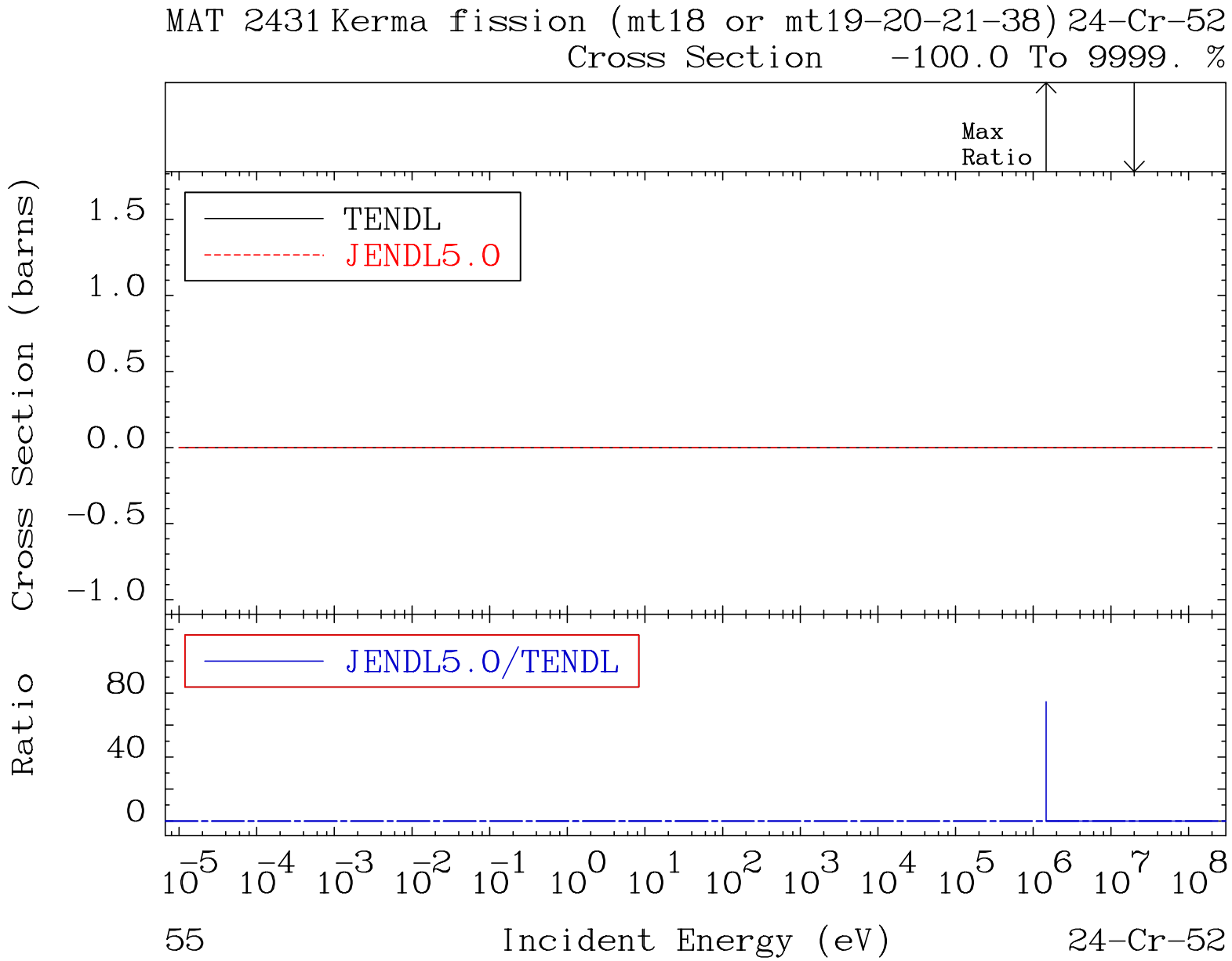

MAT 2431
He-4 Production
Cross Section
24-Cr-52
54.16 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.3518 MeV
JENDL5.0 Threshold 1.2353 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
10^{10}
10^{5}
10^{0}
2 3 4 5 6 8 10^{7} 2 3 4 5 6 8 10^{8} 2
50
Incident Energy (eV)
24-Cr-52

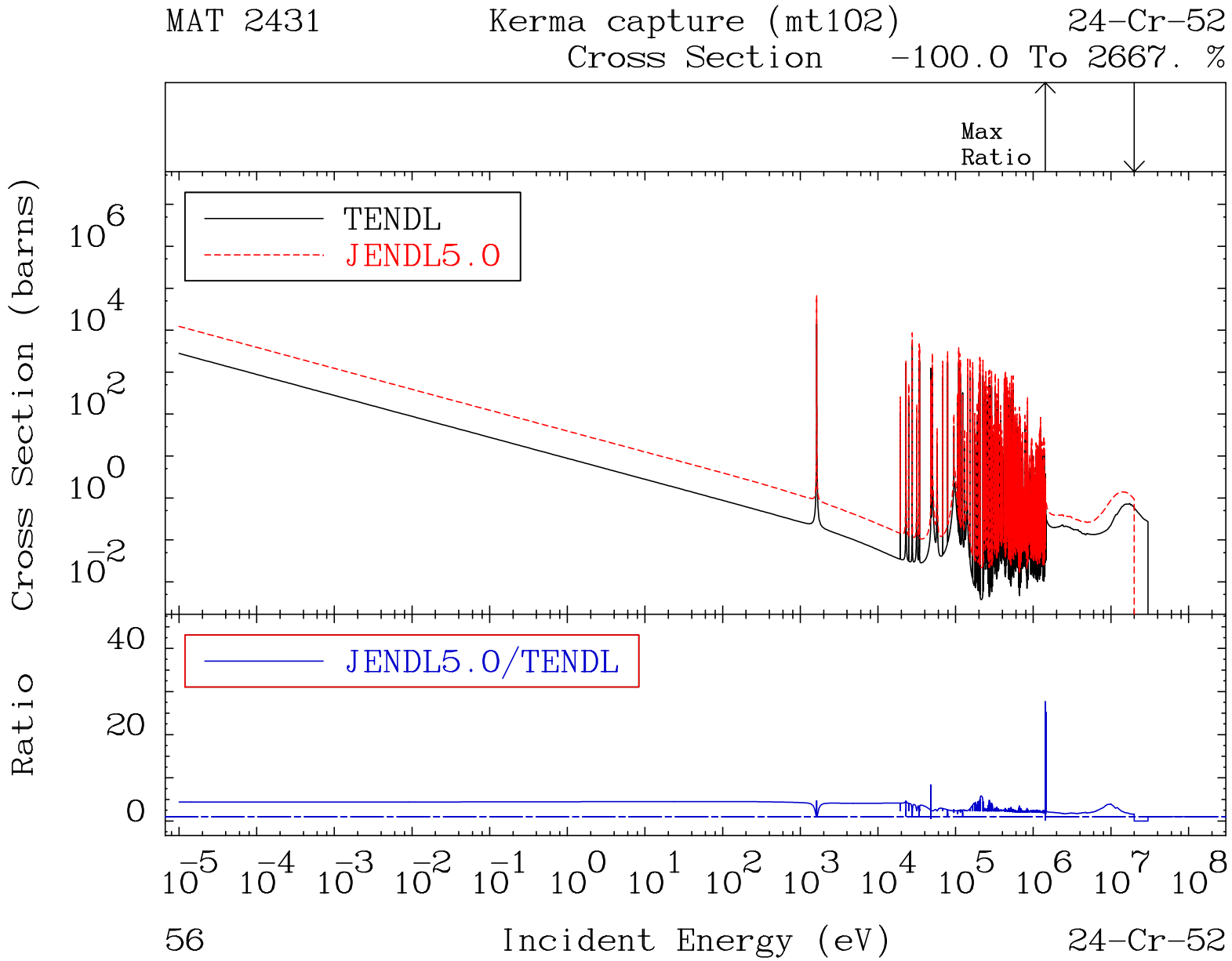

MAT 2431
Kerma total (eV-barns)
24-Cr-52
Cross Section -78.63 To 1028. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
51
24-Cr-52

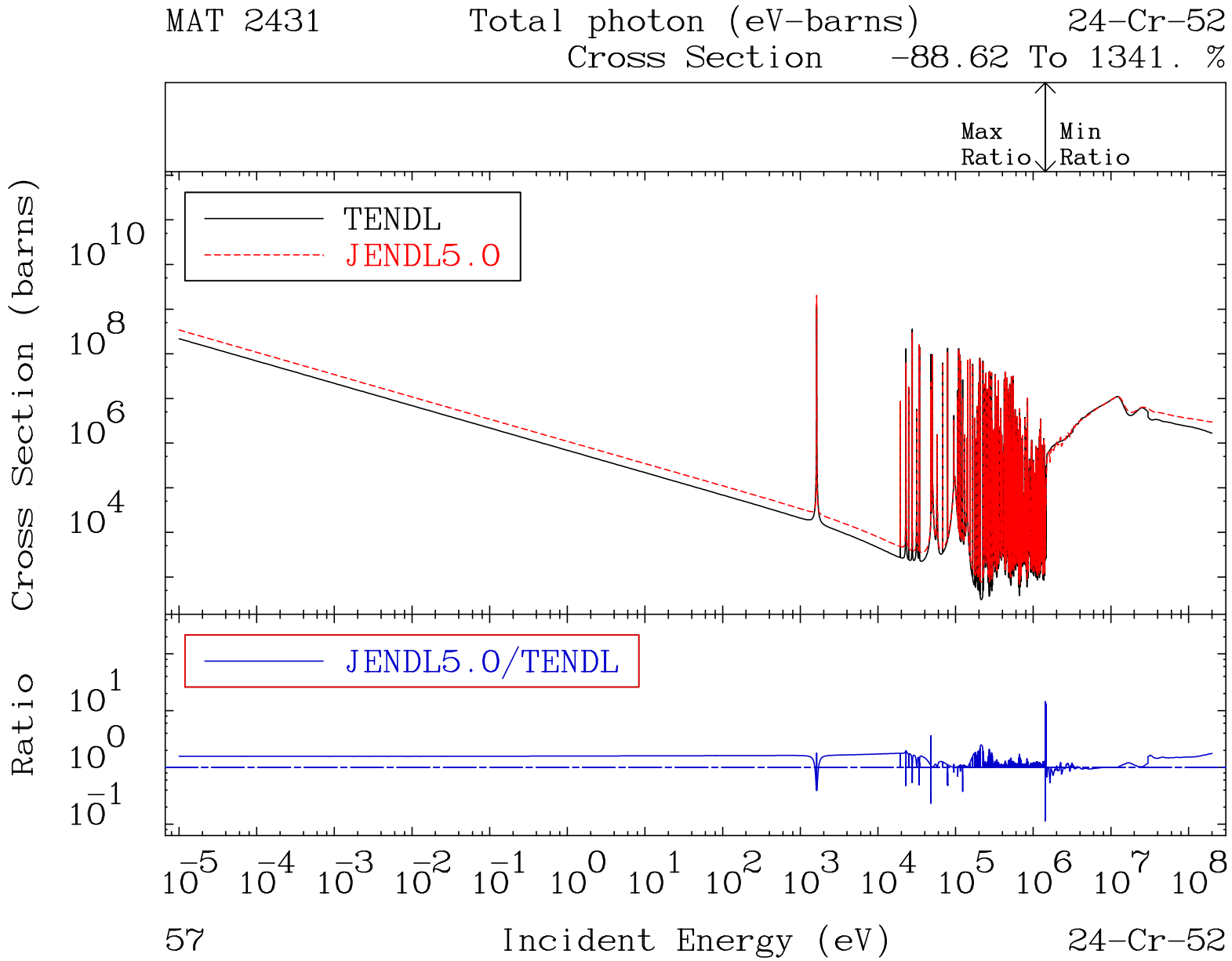

MAT 2431
Kerma elastic
Cross Section
24-Cr-52
-85.49 To 2628. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
24-Cr-52

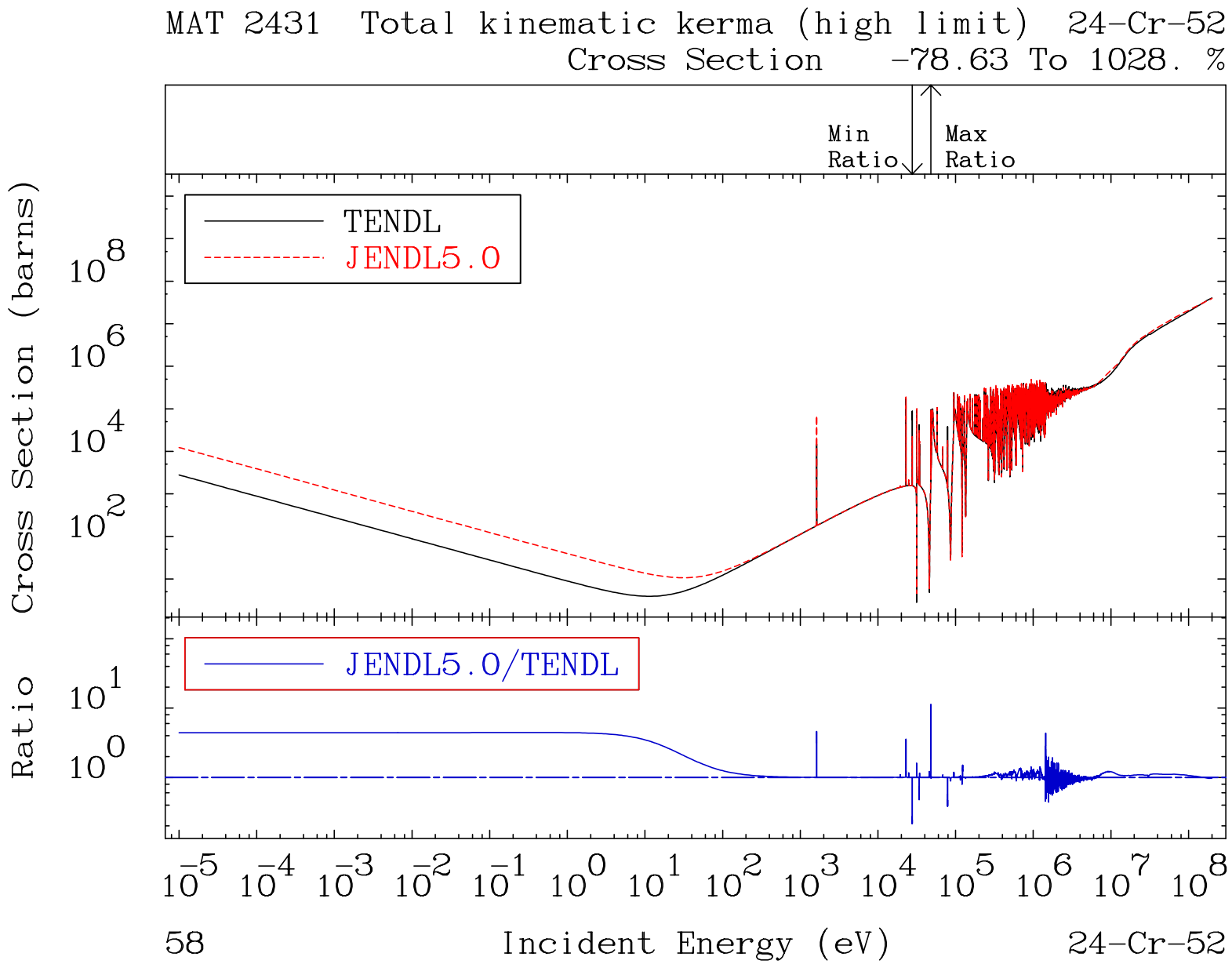

MAT 2431 Kerma non-elastic (all but mt2) 24-Cr-52
Cross Section -51.13 To 9977. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
24-Cr-52

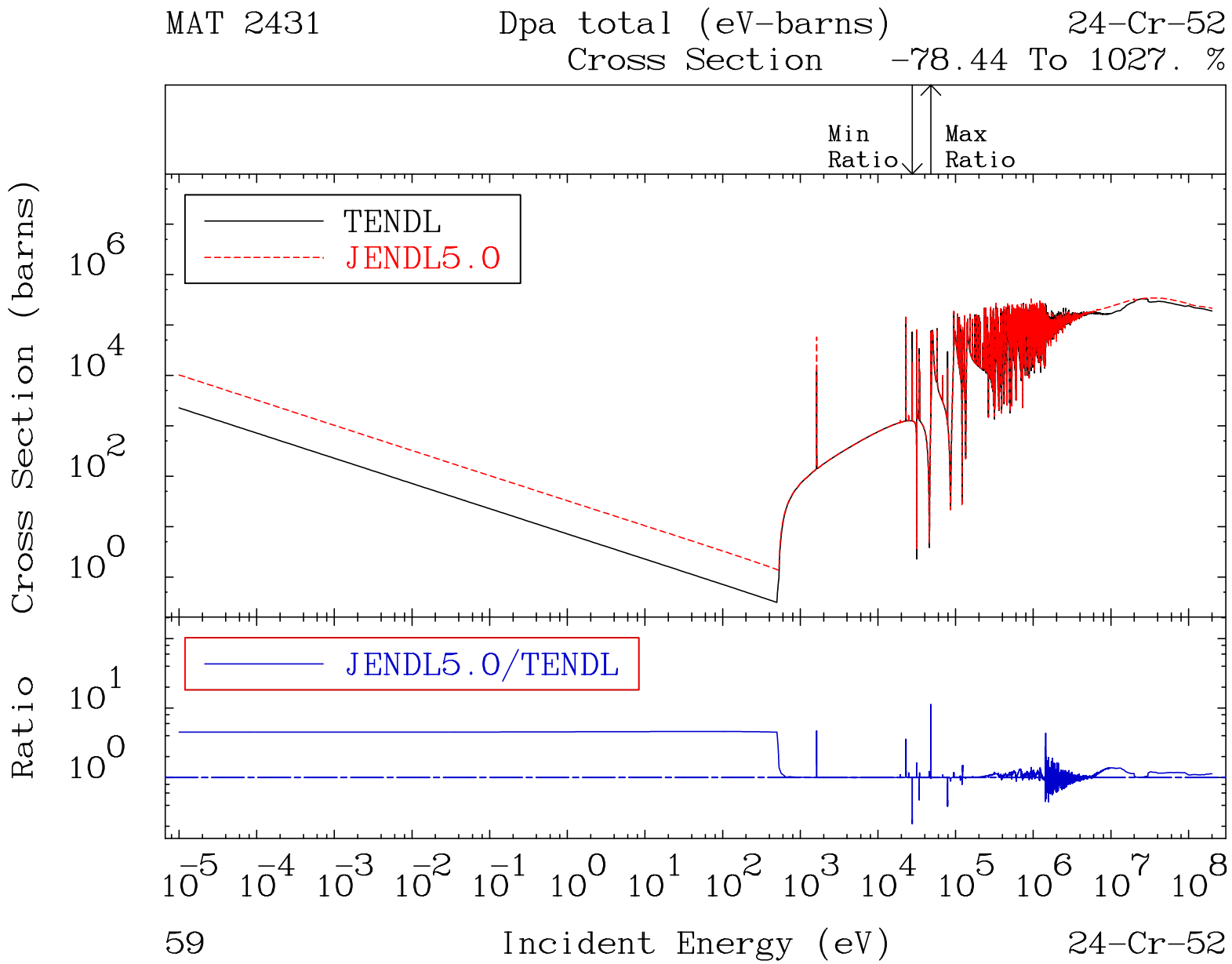

MAT 2431
Kerma inelastic (mt51-91)
24-Cr-52
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.4619 MeV
JENDL5.0 Threshold 105.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
54
24-Cr-52

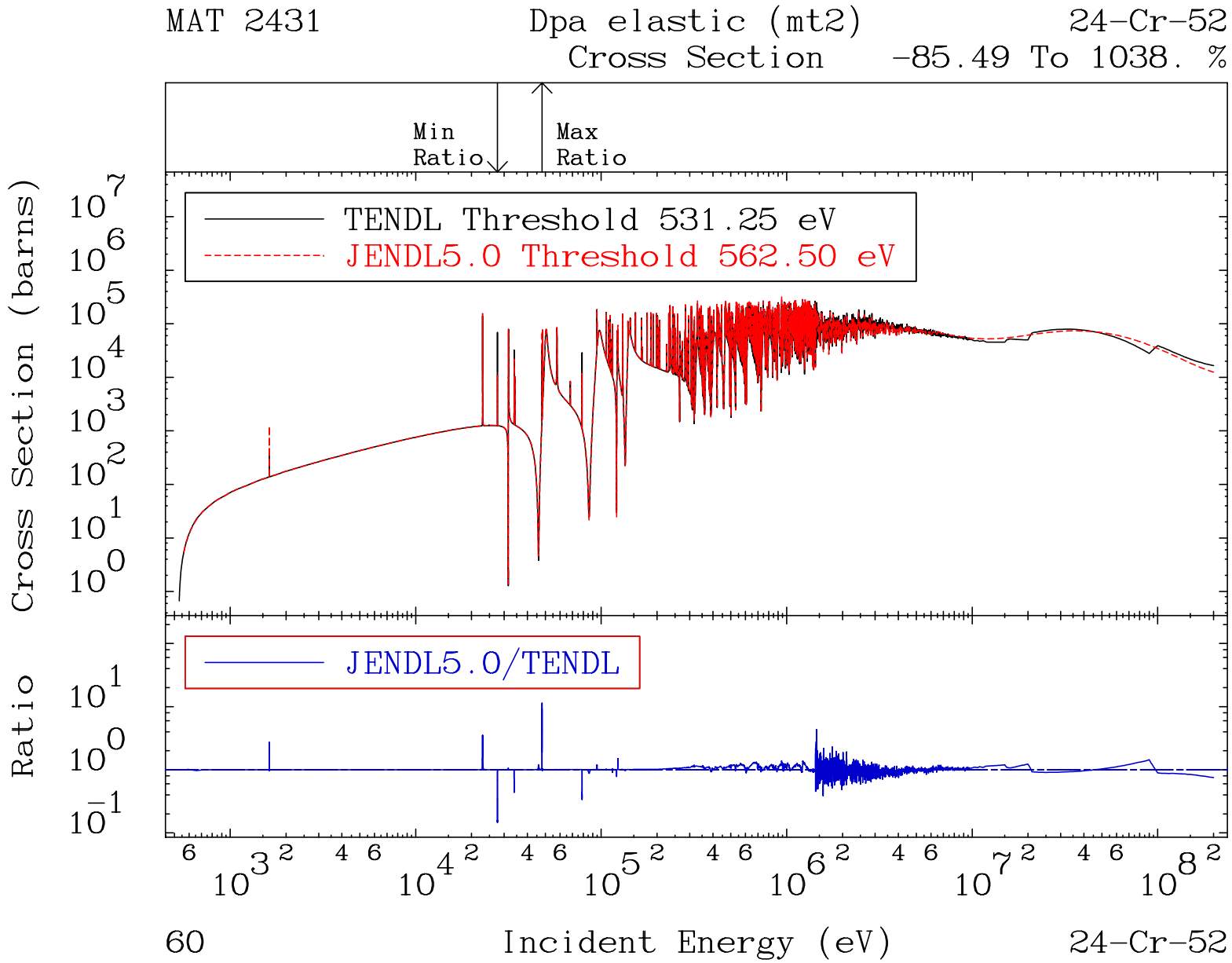

MAT 2431 Kerma fission (mt18 or mt19-20-21-38) 24-Cr-52
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
80
40
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
55
Incident Energy (eV)
24-Cr-52

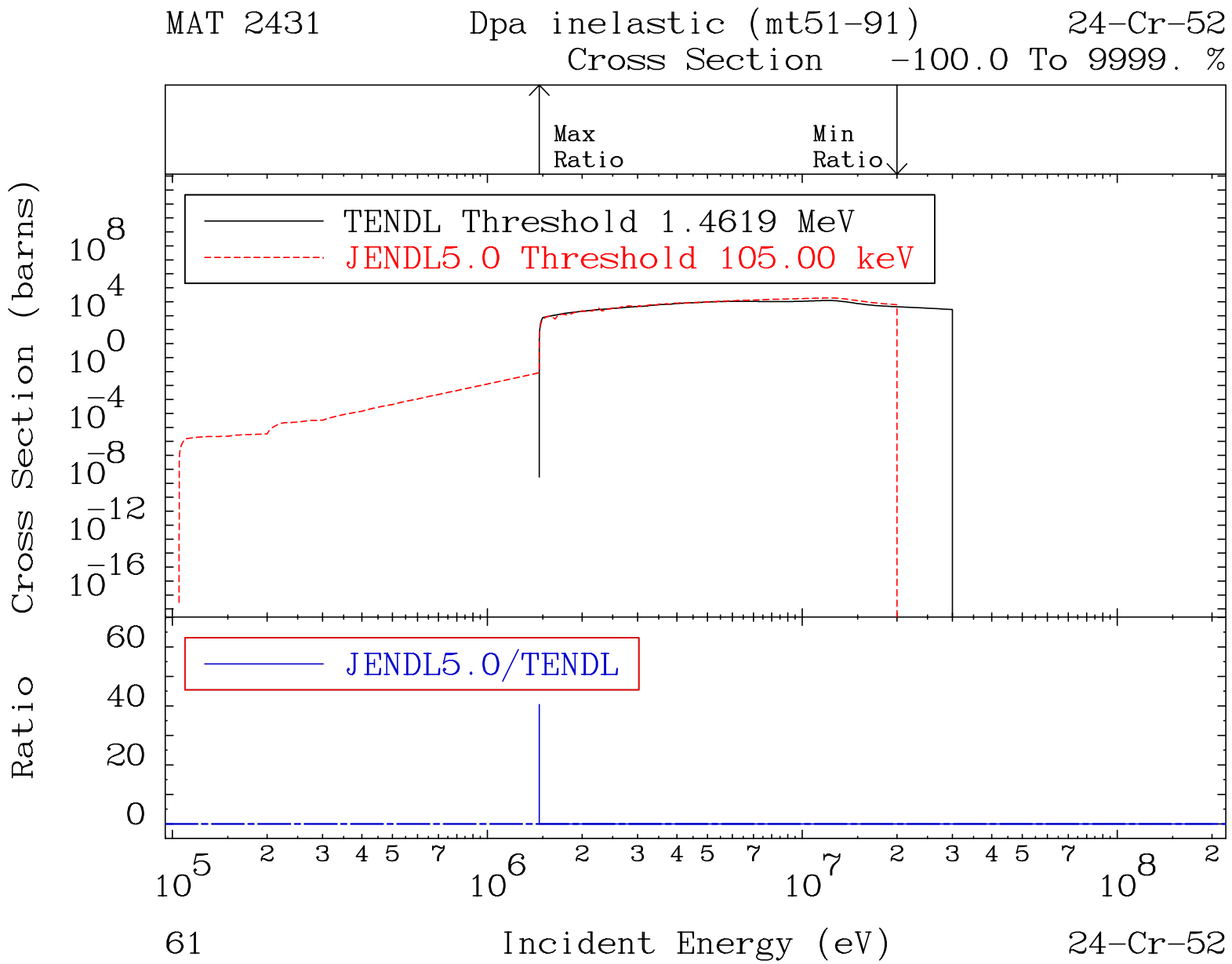

MAT 2431
Kerma capture (mt102)
24-Cr-52
Cross Section -100.0 To 2667. %
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
56
24-Cr-52

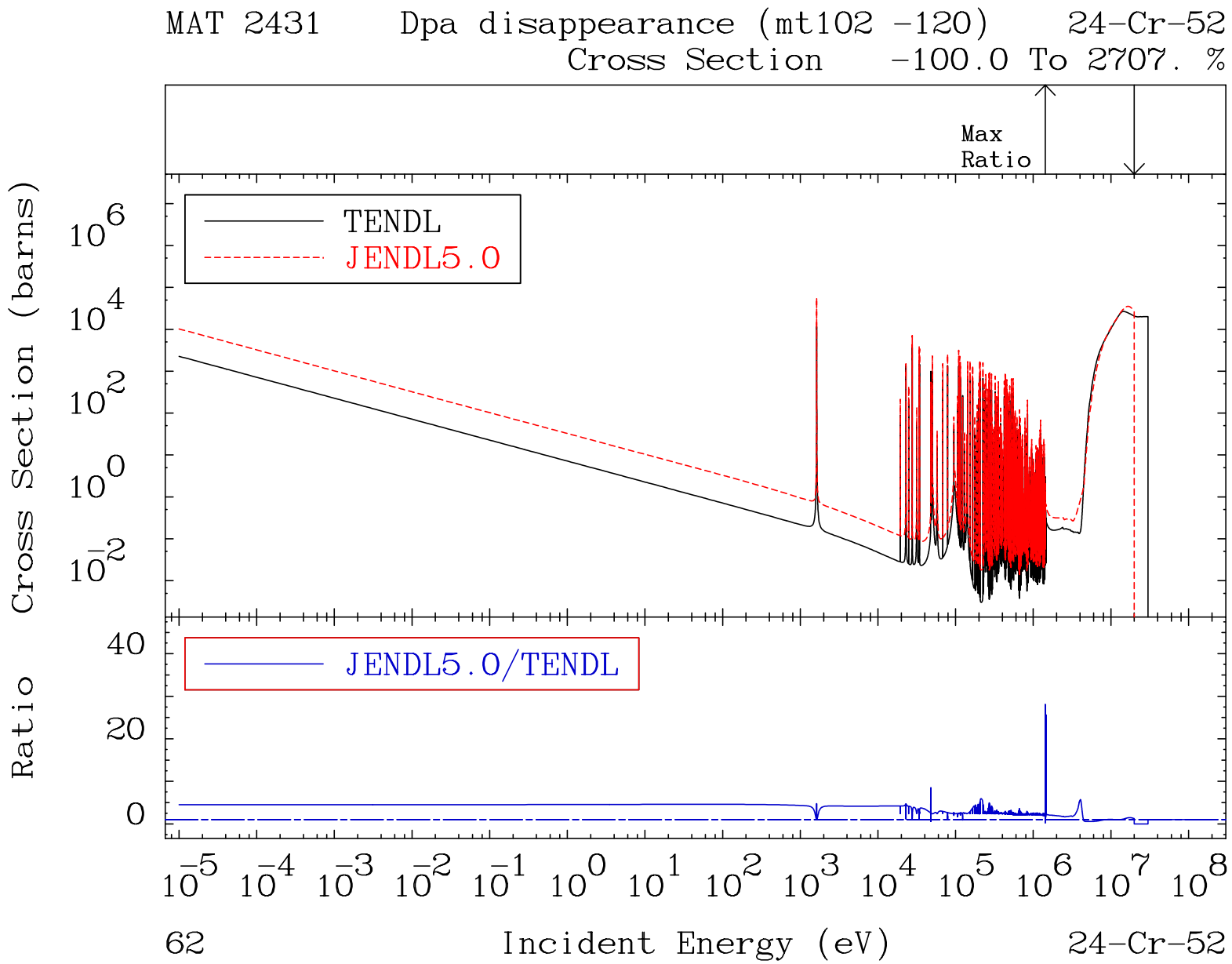

MAT 2431
Total photon (eV-barns)
24-Cr-52
Cross Section -88.62 To 1341. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
24-Cr-52


MAT 2431 Total kinematic kerma (high limit) 24-Cr-52
Cross Section -78.63 To 1028. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
58
24-Cr-52


MAT 2431
Dpa total (eV-barns)
24-Cr-52
Cross Section -78.44 To 1027. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
59
Incident Energy (eV)
24-Cr-52


MAT 2431
Dpa elastic (mt2)
Cross Section
24-Cr-52
-85.49 To 1038. %
Min Ratio
Max Ratio
TENDL Threshold 531.25 eV
JENDL5.0 Threshold 562.50 eV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
60
24-Cr-52


MAT 2431
Dpa inelastic (mt51-91)
24-Cr-52
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.4619 MeV
JENDL5.0 Threshold 105.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
61
24-Cr-52


MAT 2431 Dpa disappearance (mt102 -120) 24-Cr-52
Cross Section -100.0 To 2707. %
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
62
24-Cr-52