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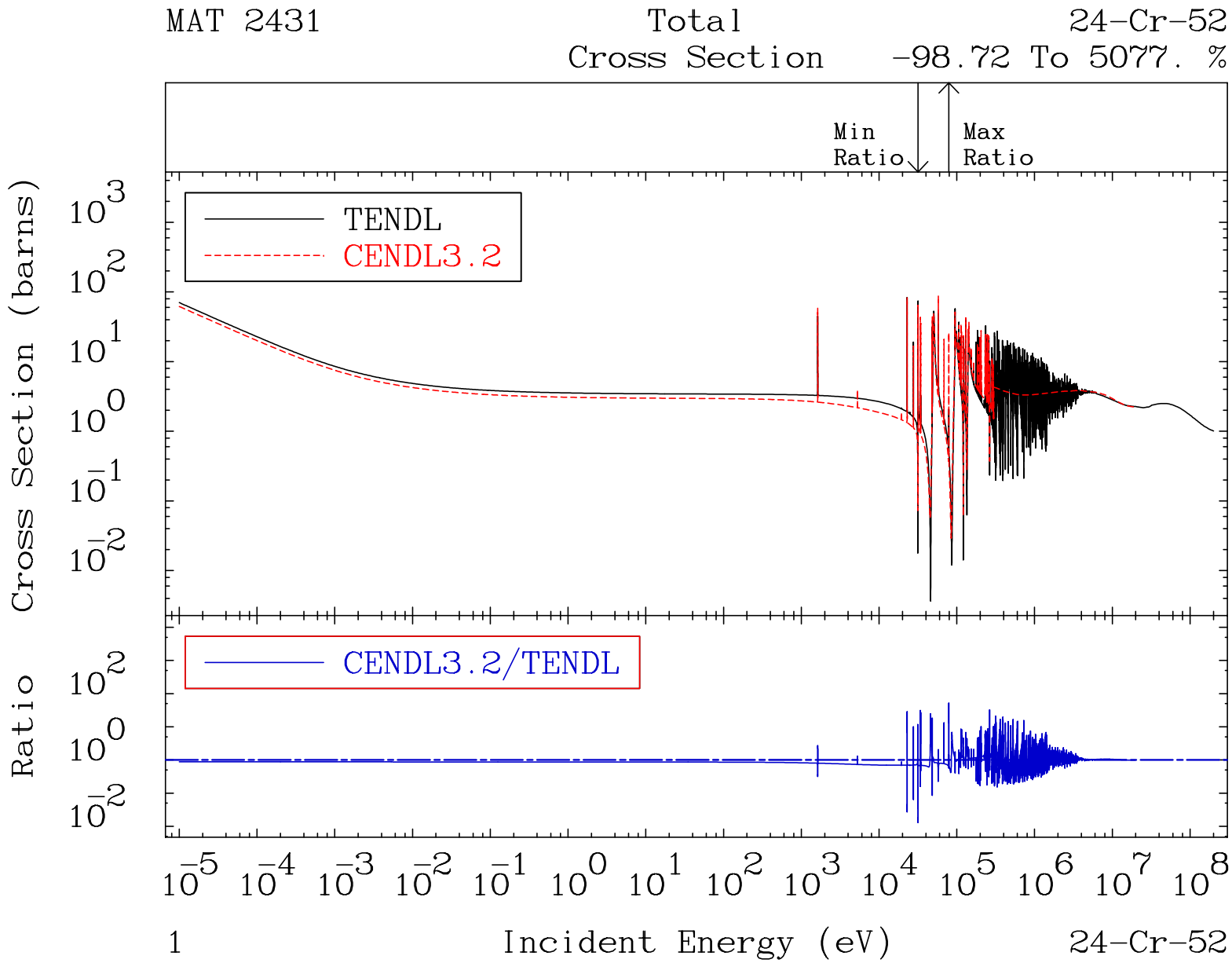
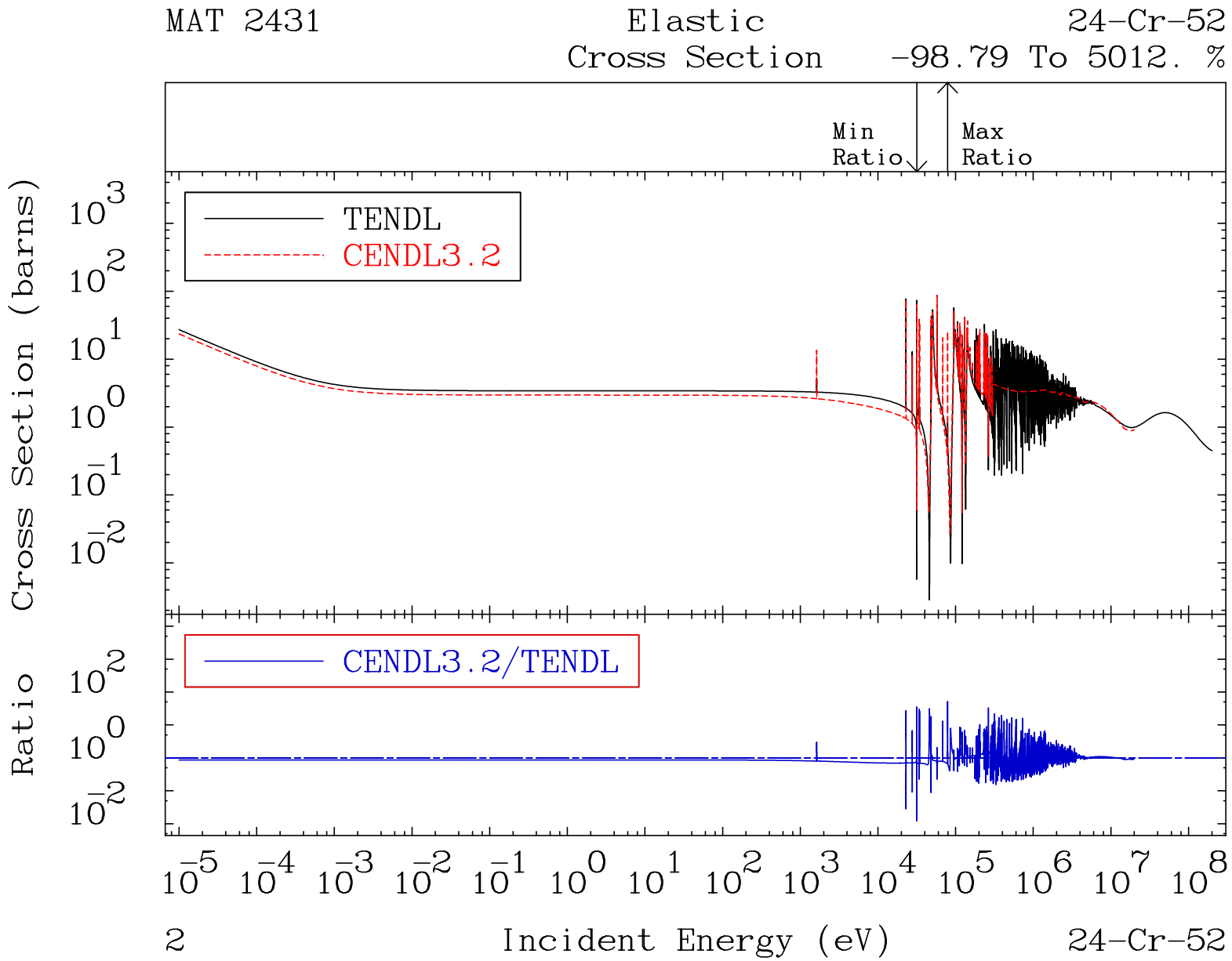
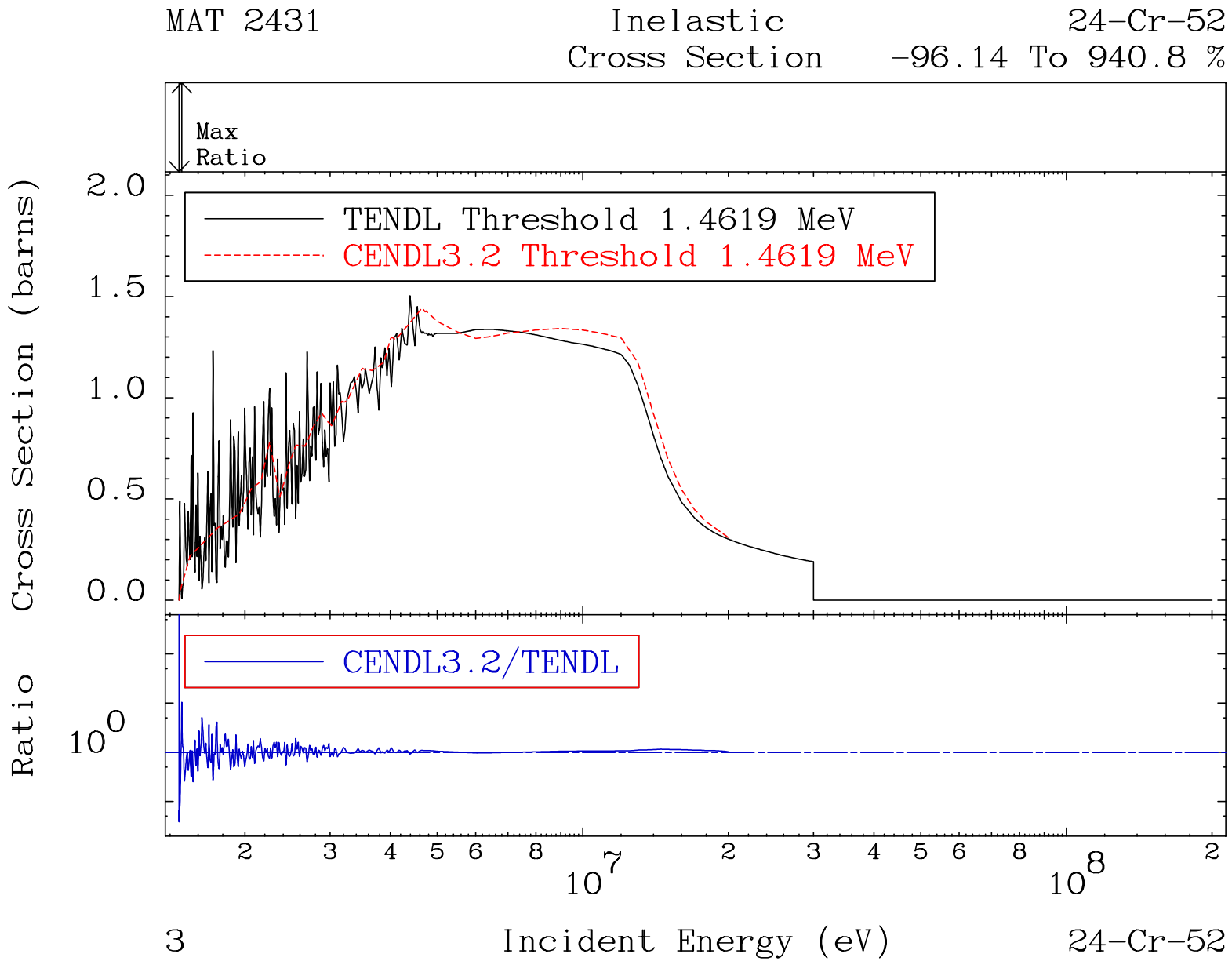
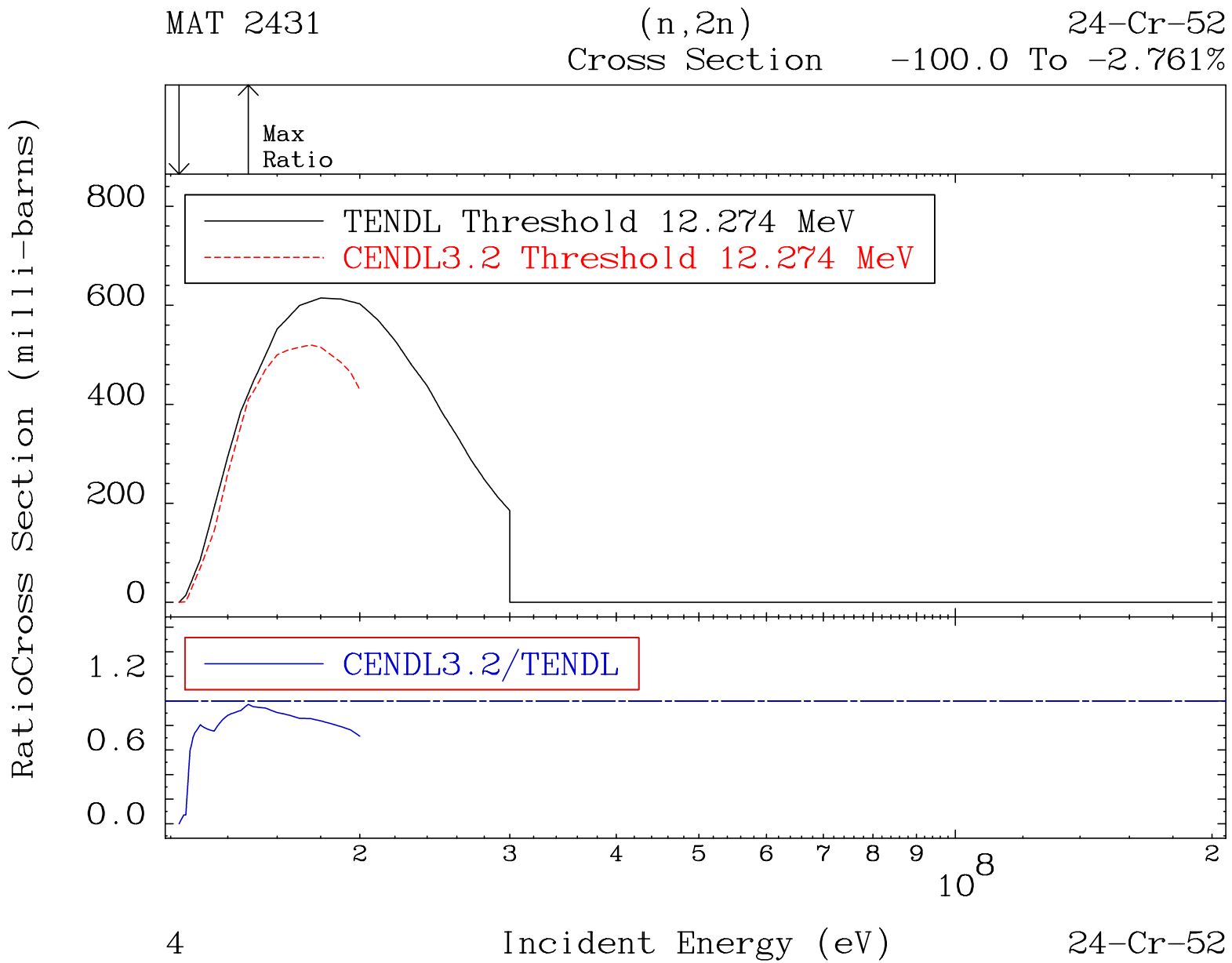
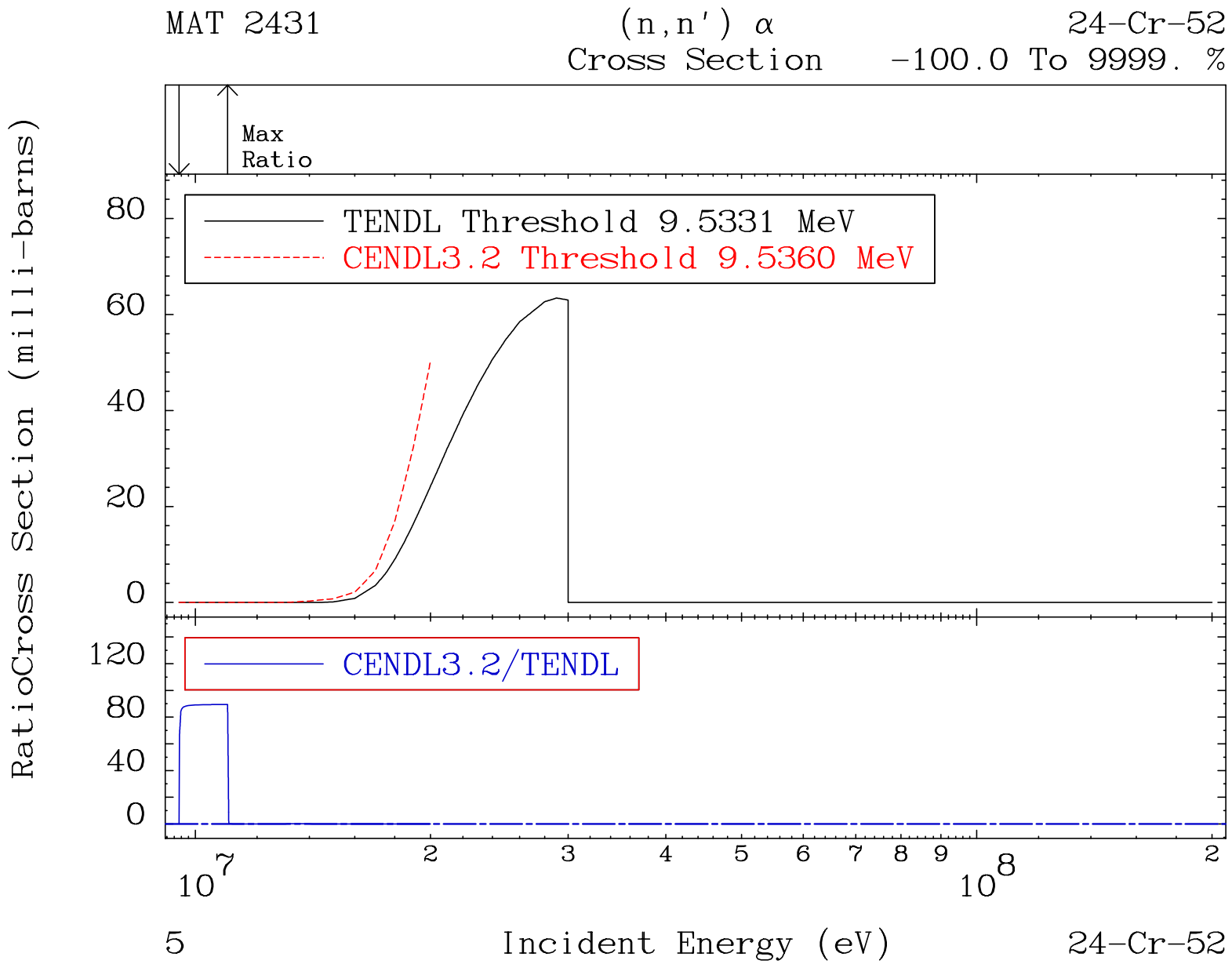
Press Mouse Button to Start

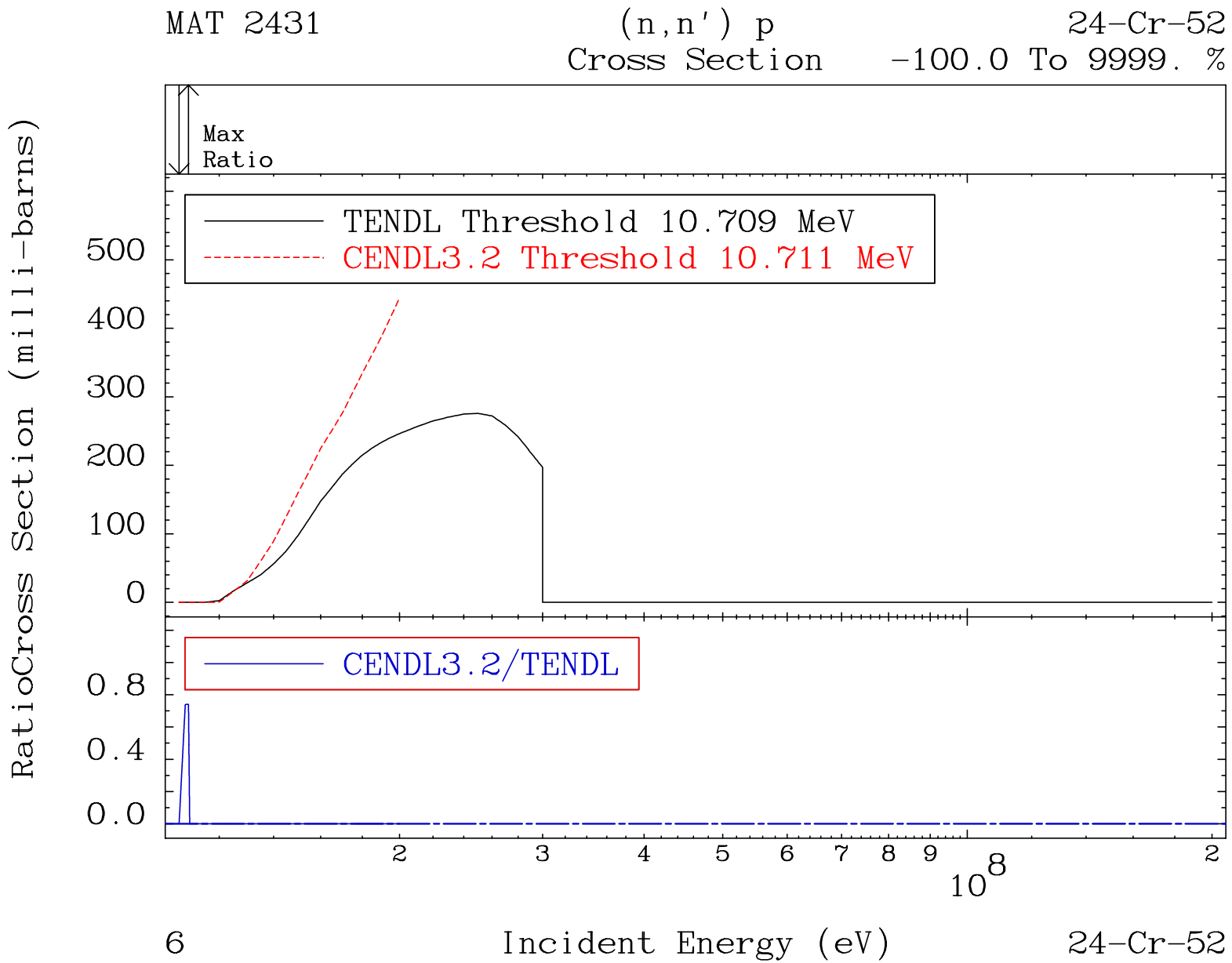

MAT 2431
Total
Cross Section
24-Cr-52
-98.72 To 5077. %
Min
Ratio
Max
Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
24-Cr-52

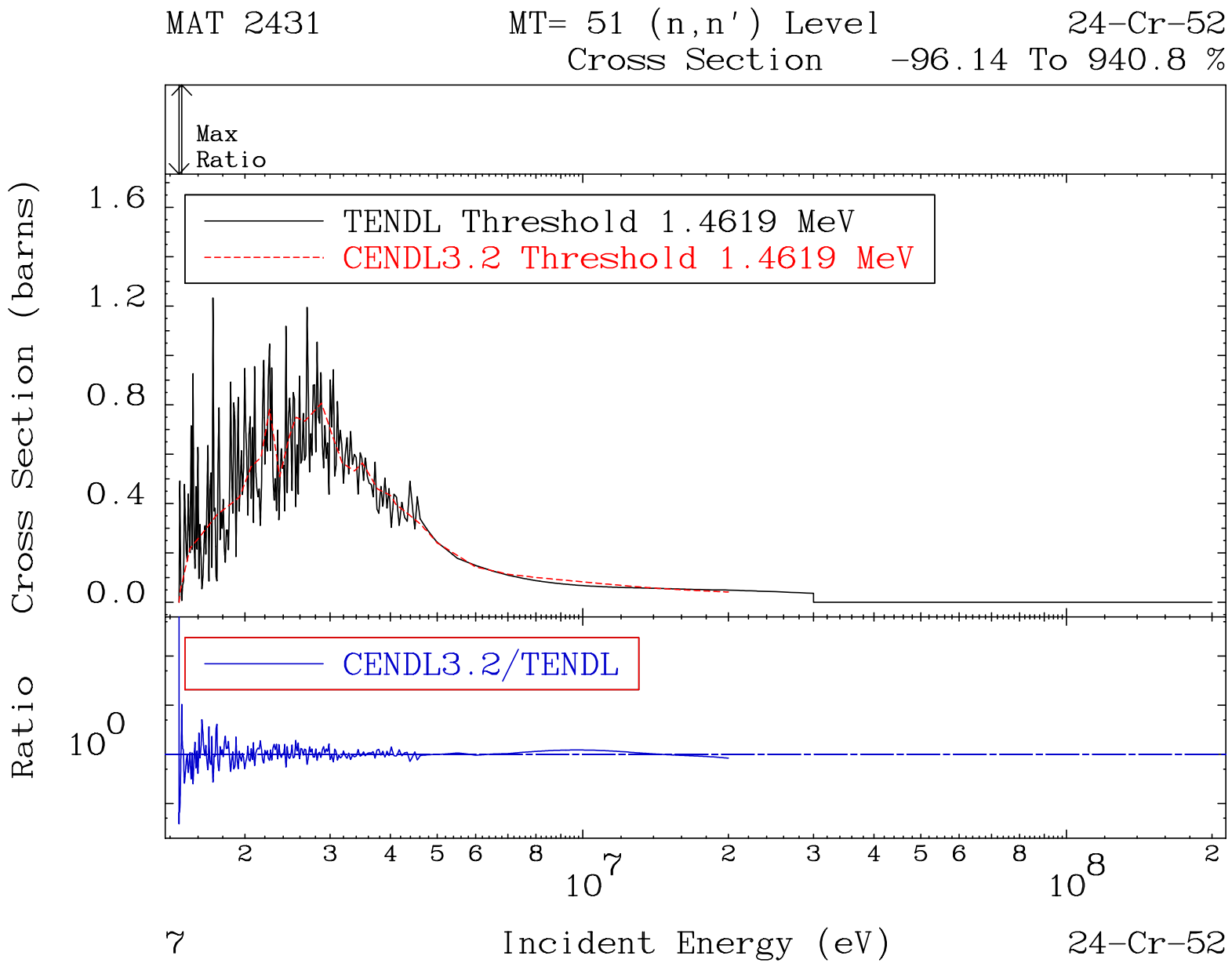

MAT 2431
Elastic
Cross Section
24-Cr-52
-98.79 To 5012. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
24-Cr-52

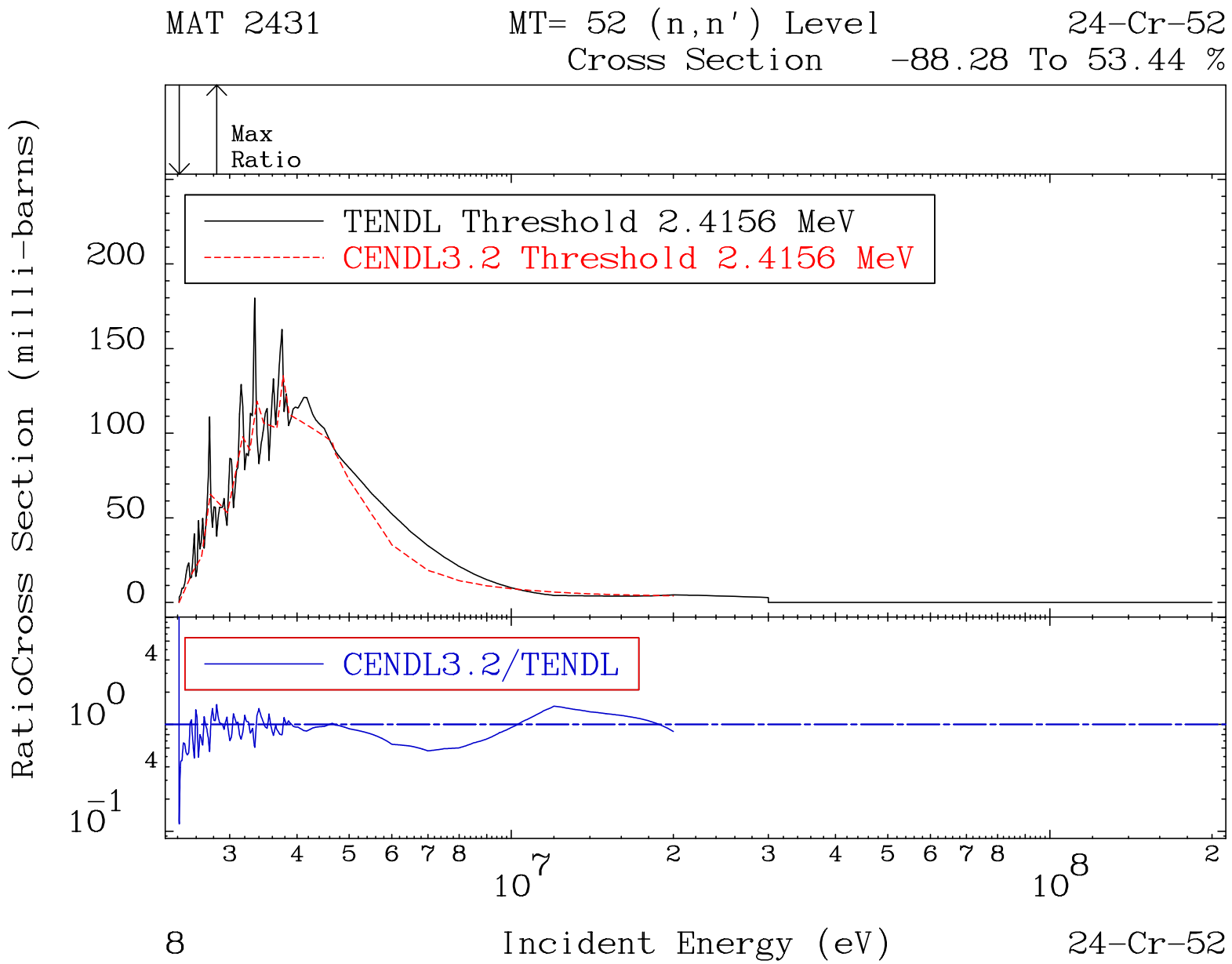

MAT 2431
Inelastic
Cross Section
24-Cr-52
-96.14 To 940.8 %
Max
Ratio
TENDL Threshold 1.4619 MeV
CENDL3.2 Threshold 1.4619 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
10^0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
3
Incident Energy (eV)
24-Cr-52

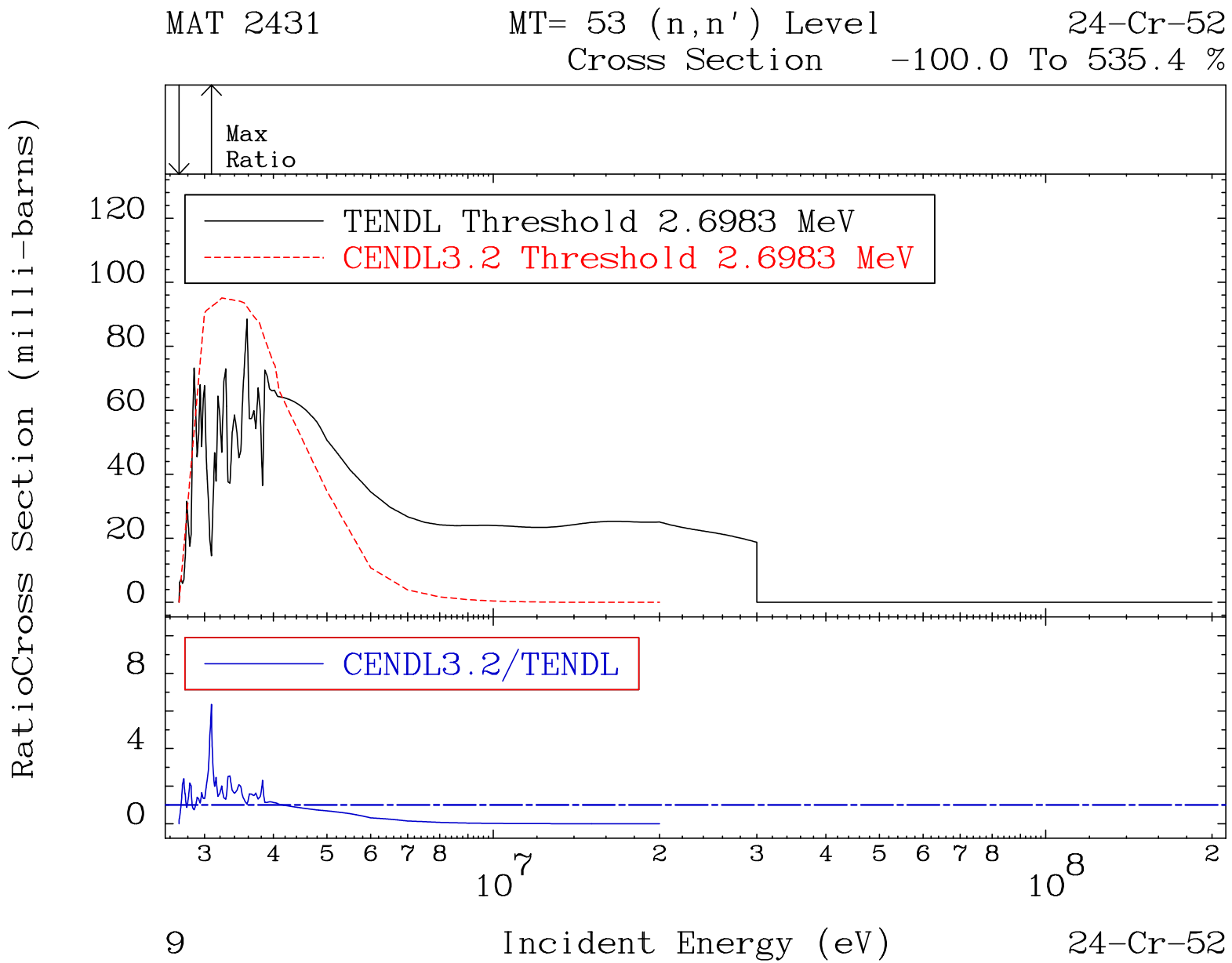

MAT 2431
(n,2n)
Cross Section
24-Cr-52
-100.0 To -2.761%
Max
Ratio
TENDL Threshold 12.274 MeV
CENDL3.2 Threshold 12.274 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
24-Cr-52

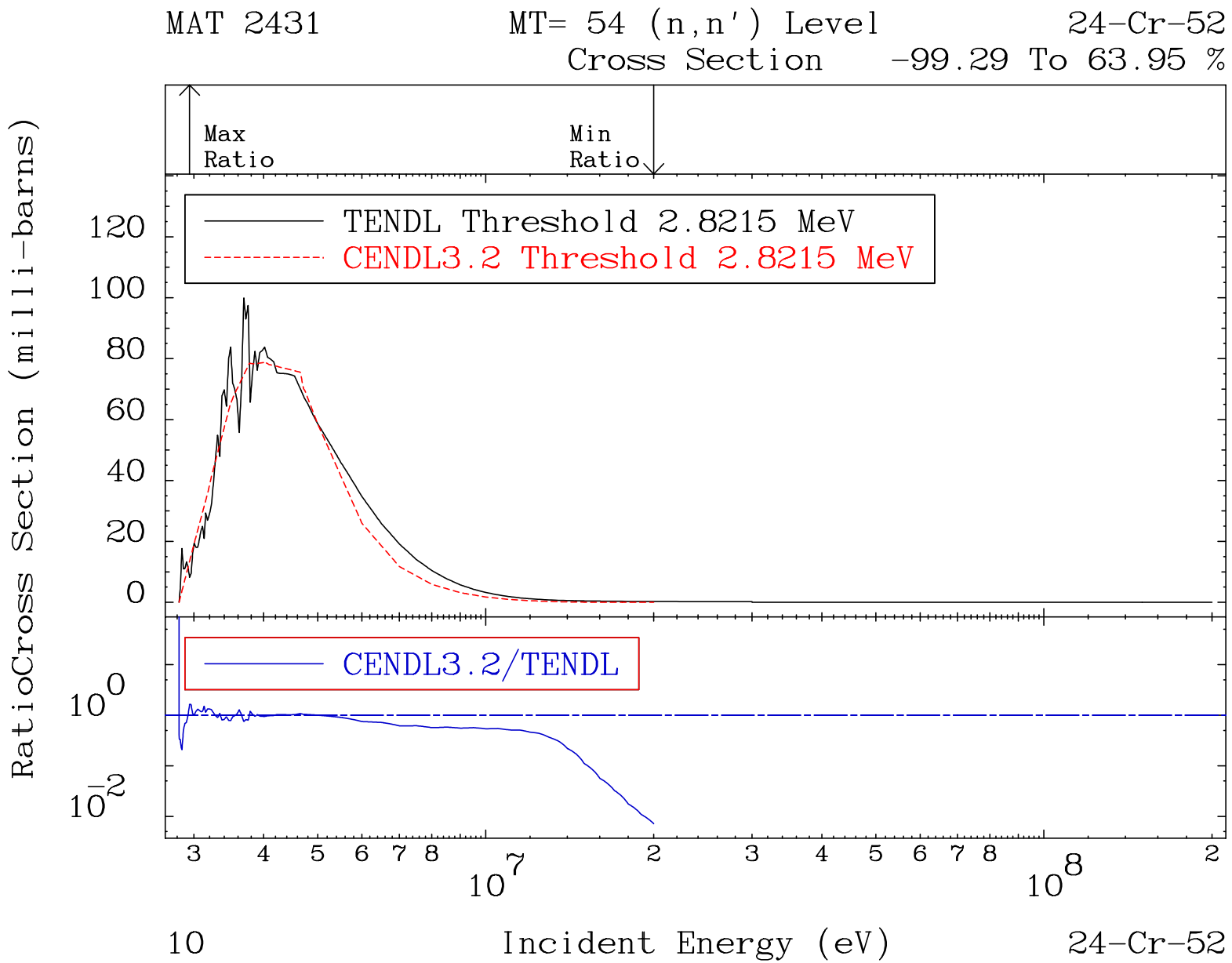

MAT 2431
(n,n') α
Cross Section
24-Cr-52
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 9.5331 MeV
CENDL3.2 Threshold 9.5360 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
24-Cr-52
5

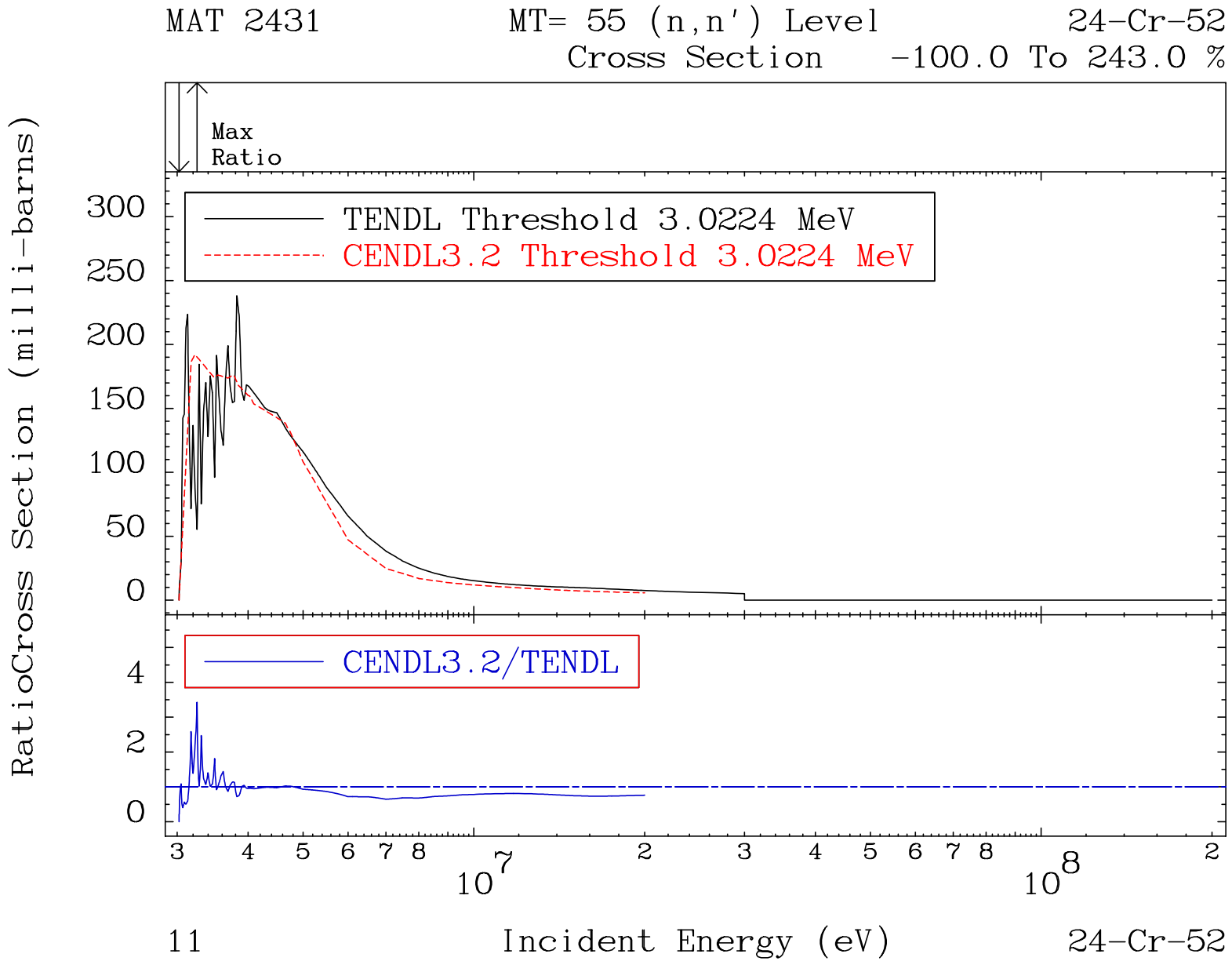

MAT 2431
(n,n') p
Cross Section
24-Cr-52
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 10.709 MeV
CENDL3.2 Threshold 10.711 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
0.8
0.4
0.0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
24-Cr-52

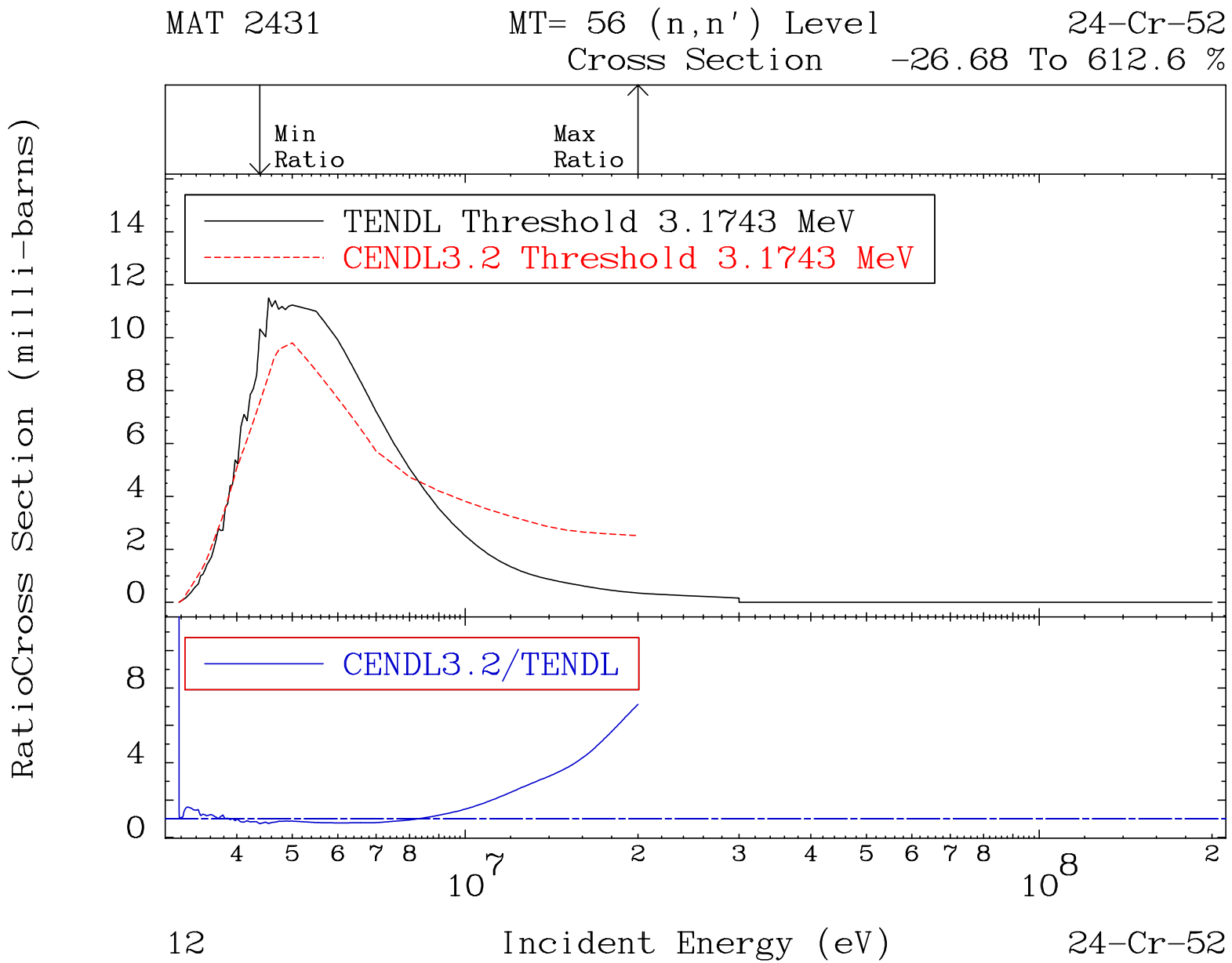

MAT 2431
MT= 51 (n,n') Level
24-Cr-52
Cross Section -96.14 To 940.8 %
Max
Ratio
TENDL Threshold 1.4619 MeV
CENDL3.2 Threshold 1.4619 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
10^0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
7
Incident Energy (eV)
24-Cr-52

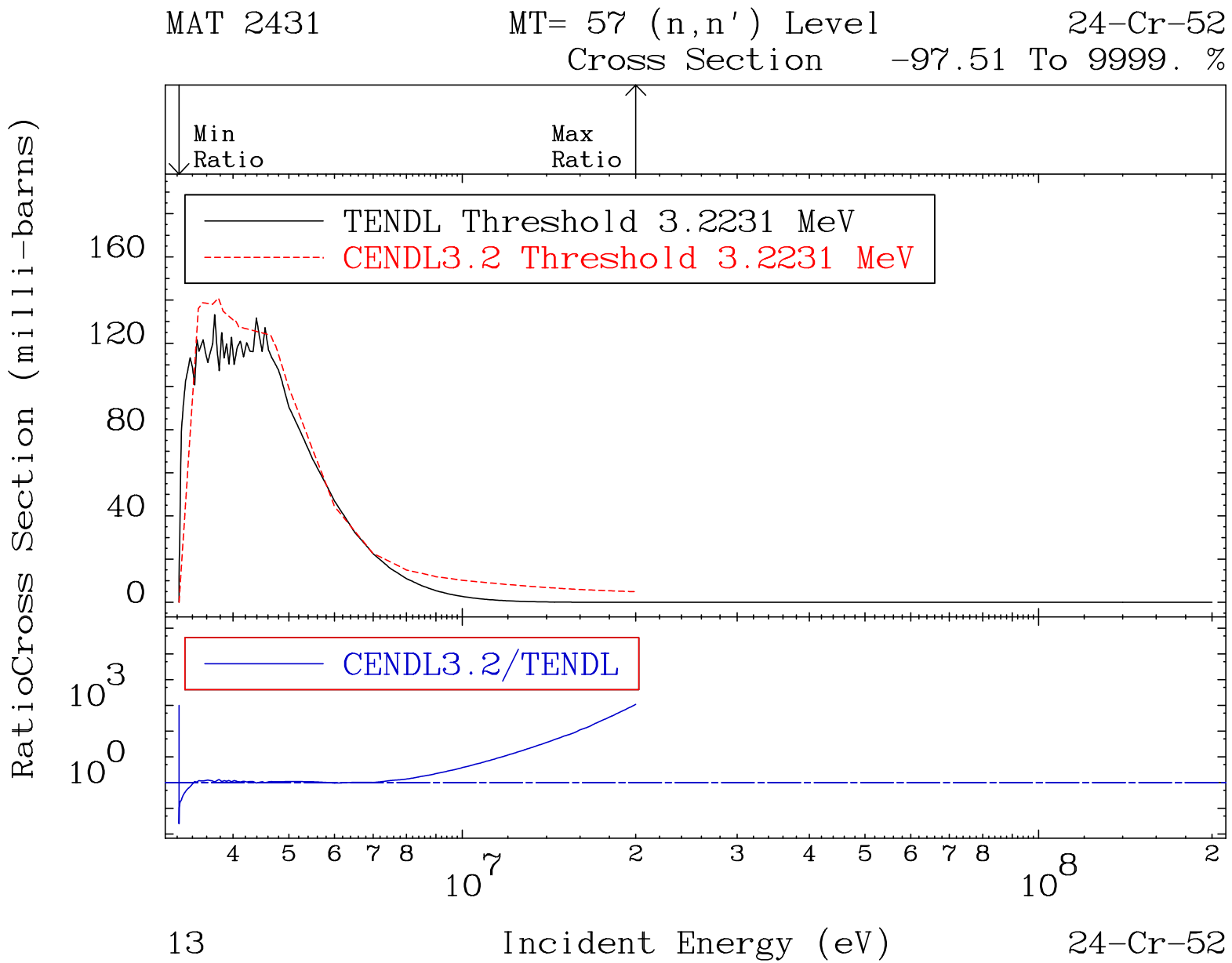

MAT 2431
MT= 52 (n,n') Level
Cross Section
24-Cr-52
-88.28 To 53.44 %
Max
Ratio
TENDL Threshold 2.4156 MeV
CENDL3.2 Threshold 2.4156 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
4
10^{0}
4
10^{-1}
3 4 5 6 7 8 10^{7} 2 3 4 5 6 7 8 10^{8} 2
8
Incident Energy (eV)
24-Cr-52

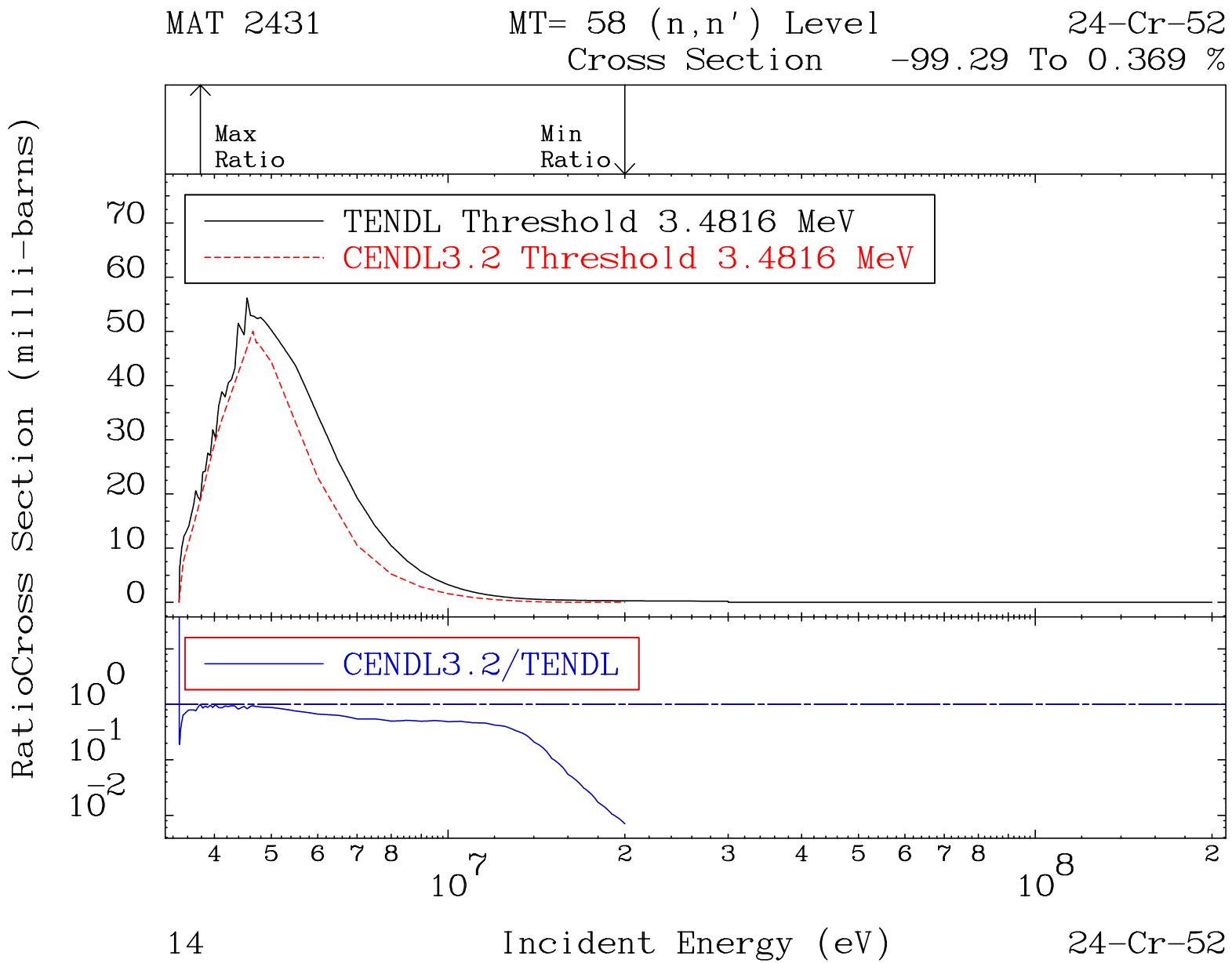

MAT 2431
MT= 53 (n,n') Level
24-Cr-52
Cross Section -100.0 To 535.4 %
Max
Ratio
TENDL Threshold 2.6983 MeV
CENDL3.2 Threshold 2.6983 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
8
4
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
9
24-Cr-52

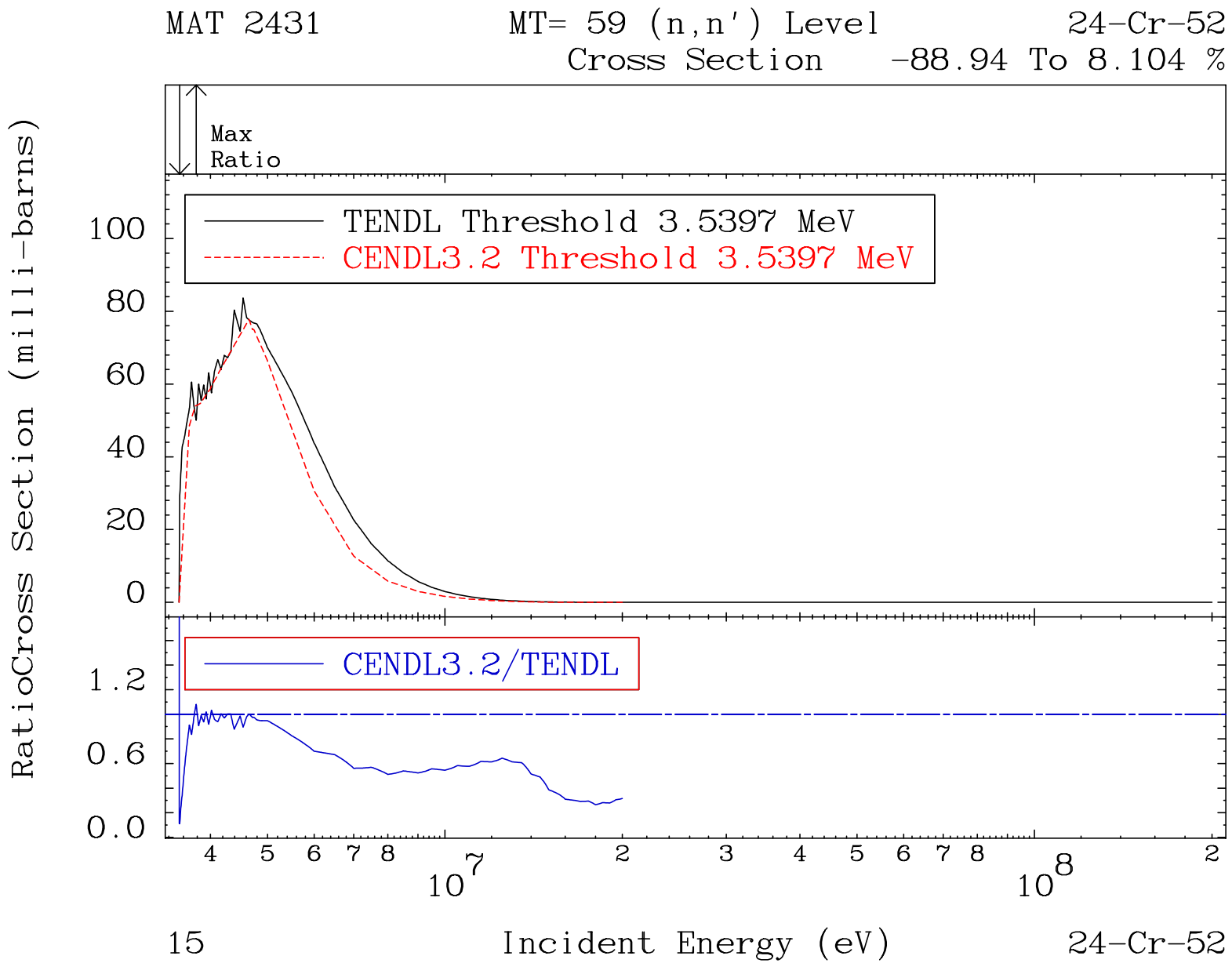

MAT 2431
MT= 54 (n,n') Level
24-Cr-52
Cross Section -99.29 To 63.95 %
Max Ratio
Min Ratio
TENDL Threshold 2.8215 MeV
CENDL3.2 Threshold 2.8215 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
10^{0}
10^{-2}
3 4 5 6 7 8 10^{7} 2 3 4 5 6 7 8 10^{8} 2
10
Incident Energy (eV)
24-Cr-52

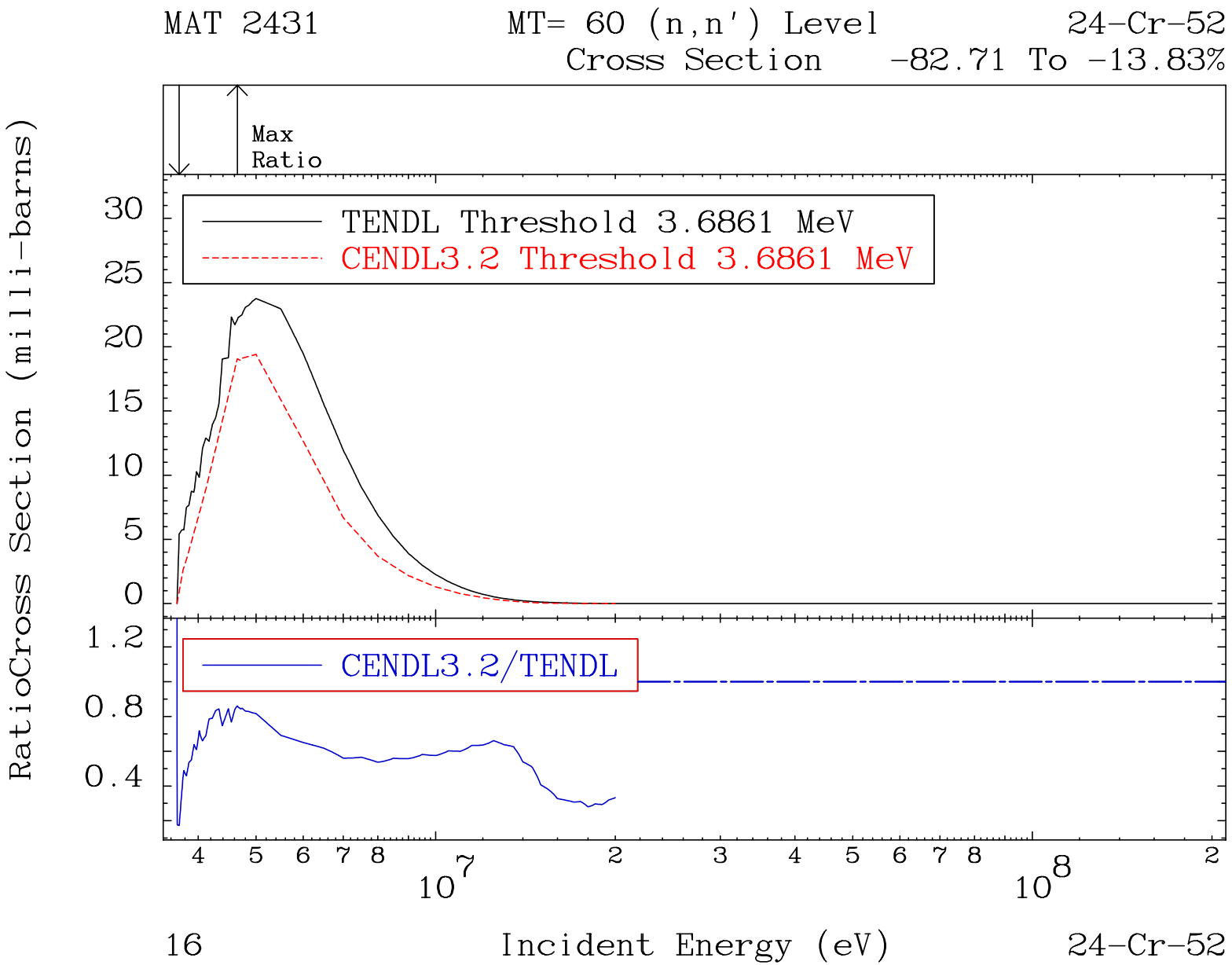

MAT 2431
MT= 55 (n,n') Level
Cross Section
24-Cr-52
-100.0 To 243.0 %
Max
Ratio
TENDL Threshold 3.0224 MeV
CENDL3.2 Threshold 3.0224 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
4
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
11
Incident Energy (eV)
24-Cr-52

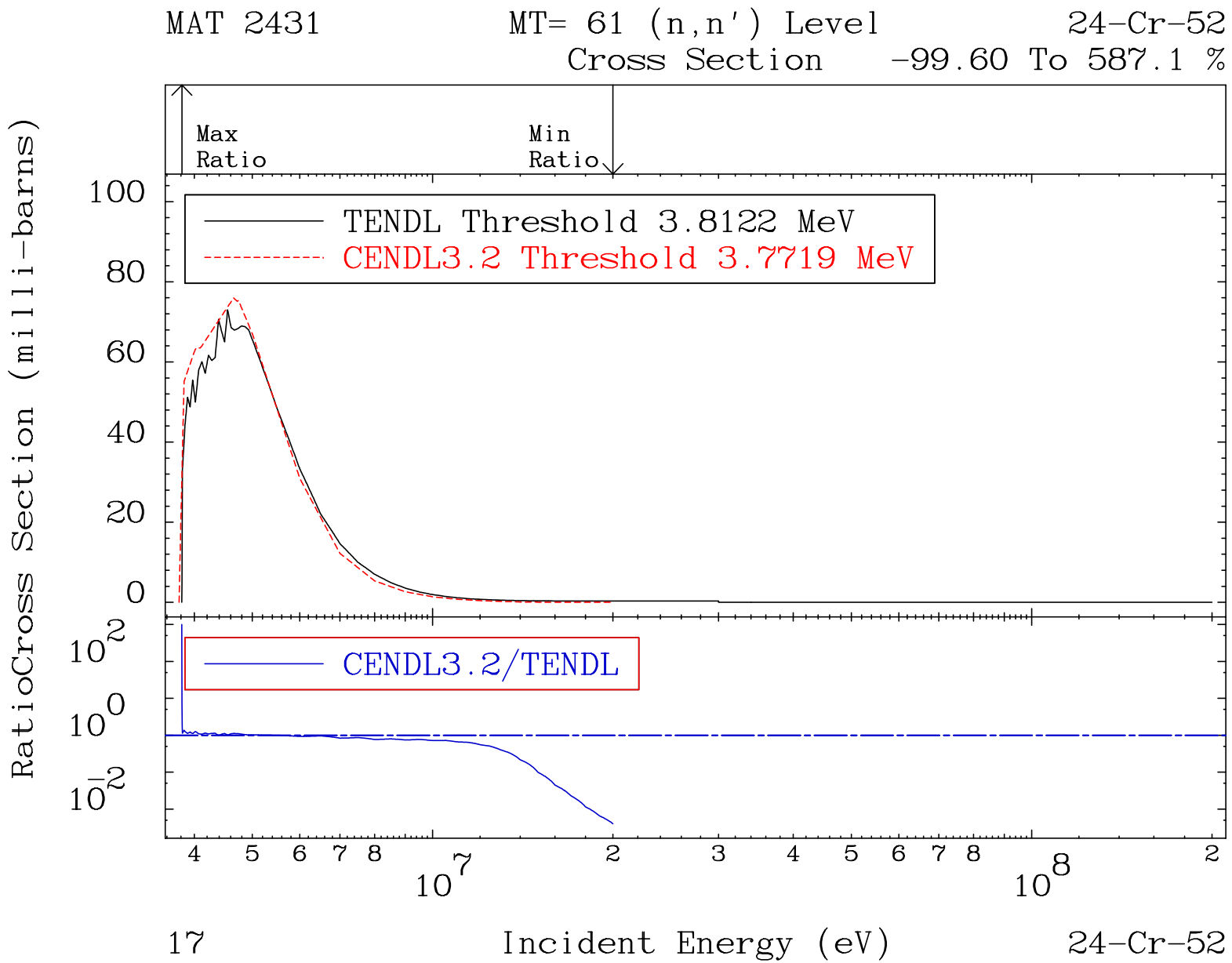

MAT 2431
MT= 56 (n,n') Level
24-Cr-52
Cross Section -26.68 To 612.6 %
Min Ratio
Max Ratio
TENDL Threshold 3.1743 MeV
CENDL3.2 Threshold 3.1743 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
14
12
10
8
6
4
2
0
8
4
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
24-Cr-52

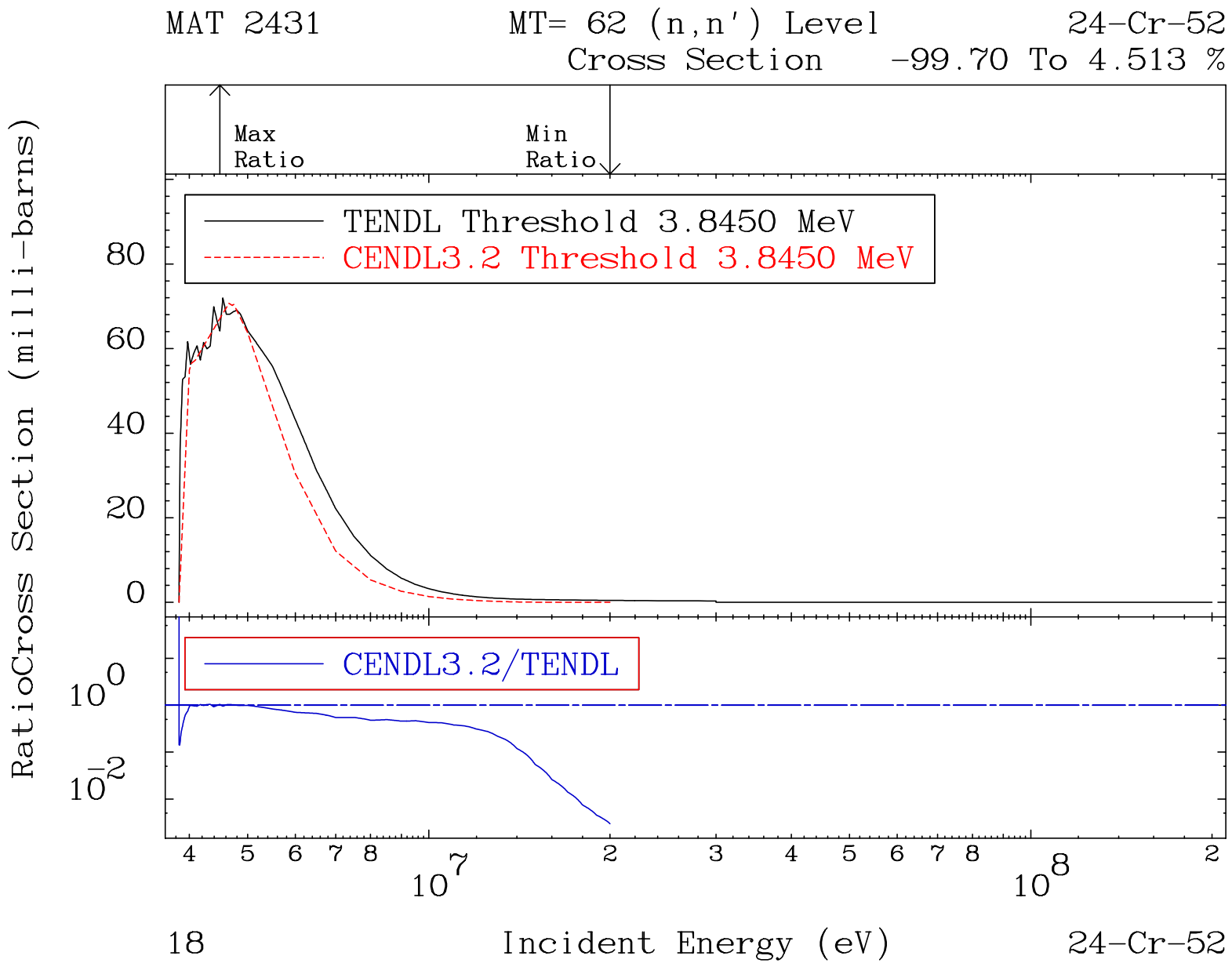

MAT 2431
MT= 57 (n,n') Level
24-Cr-52
Cross Section -97.51 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.2231 MeV
CENDL3.2 Threshold 3.2231 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^3
10^0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
13
Incident Energy (eV)
24-Cr-52

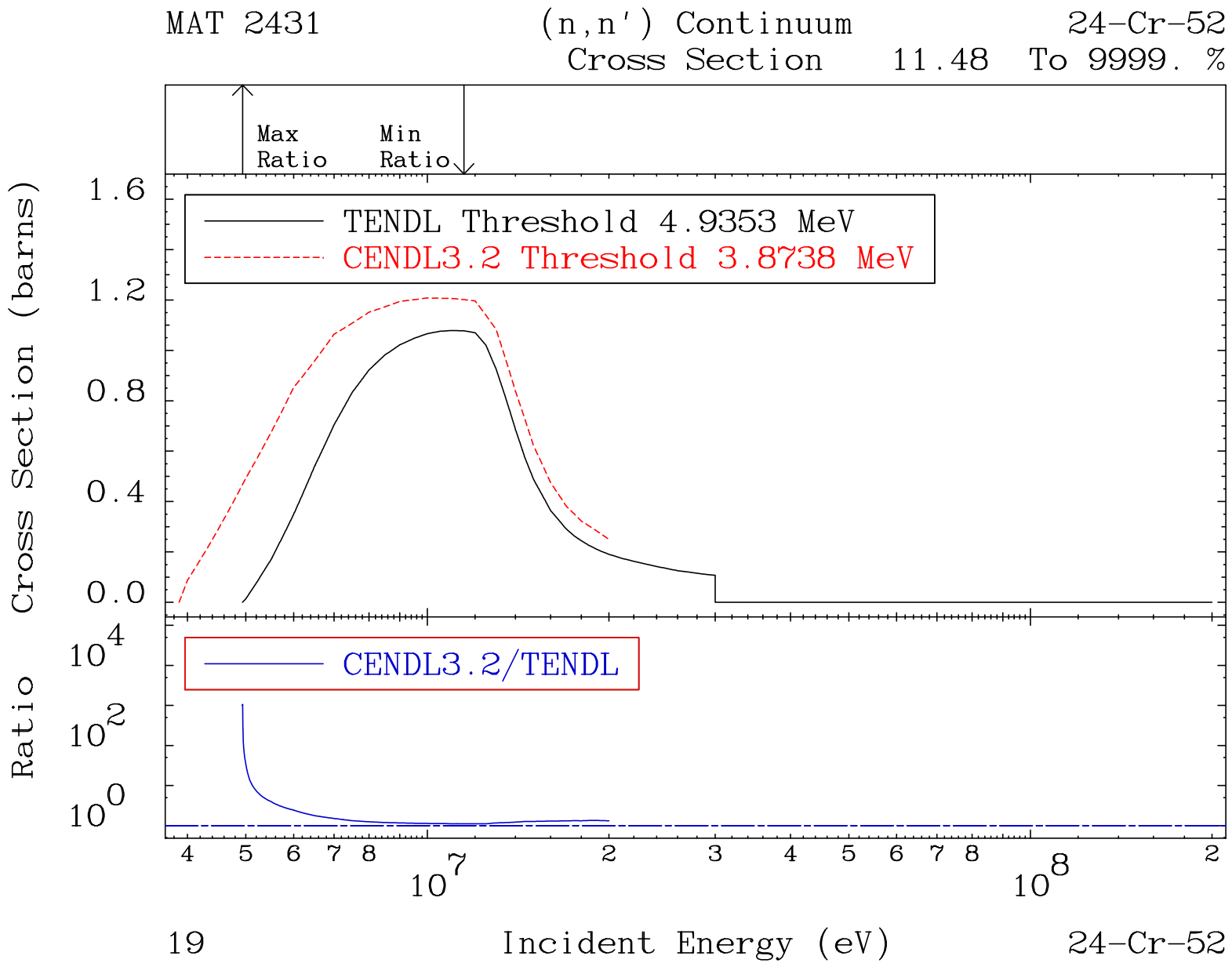

MAT 2431
MT= 58 (n,n') Level
24-Cr-52
Cross Section
-99.29 To 0.369 %
Max Ratio
Min Ratio
TENDL Threshold 3.4816 MeV
CENDL3.2 Threshold 3.4816 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
10^{0}
10^{-1}
10^{-2}
4 5 6 7 8
10^{7}
2 3 4 5 6 7 8
10^{8}
2
14
Incident Energy (eV)
24-Cr-52

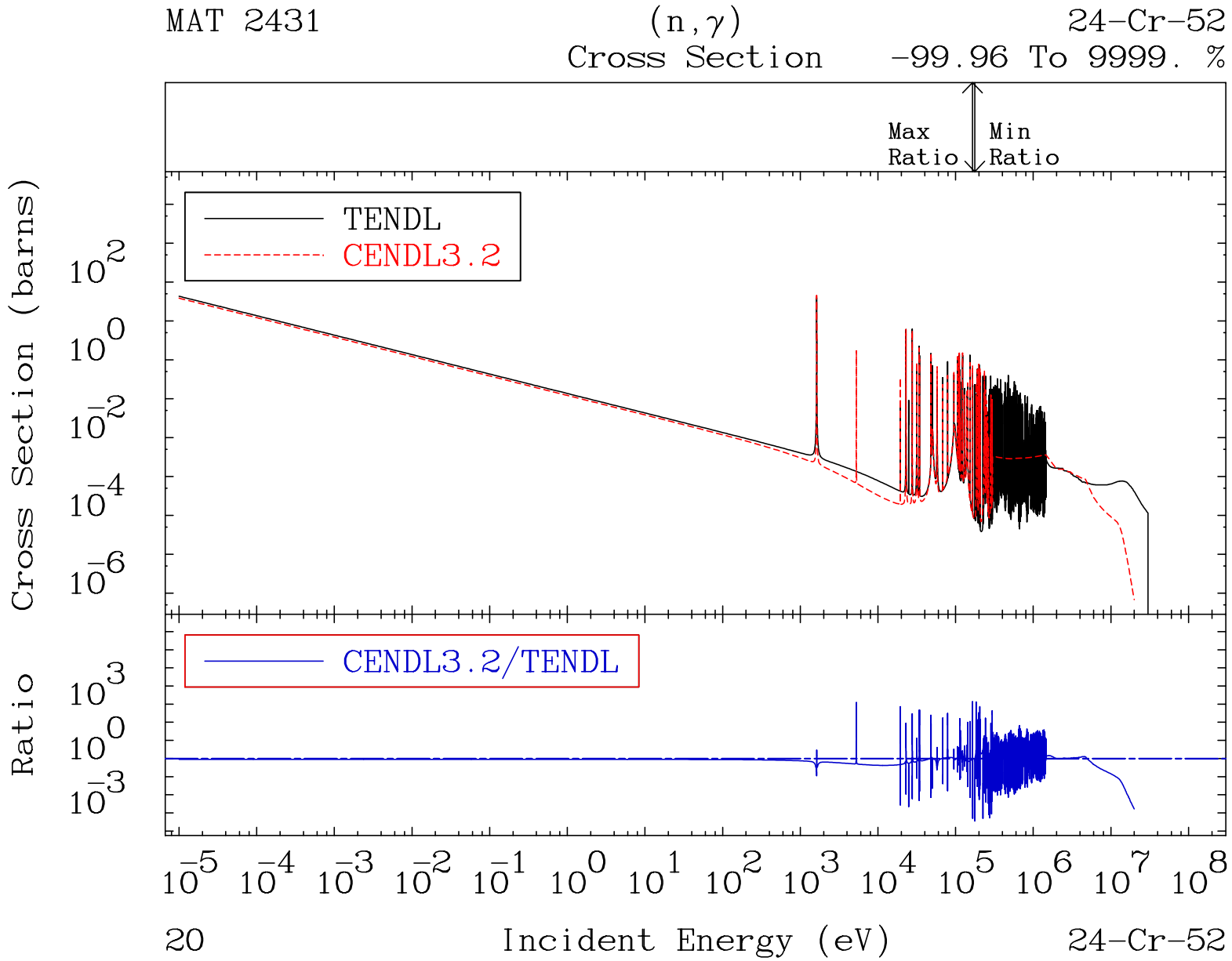

MAT 2431
MT= 59 (n,n') Level
24-Cr-52
Cross Section
-88.94 To 8.104 %
Max
Ratio
TENDL Threshold 3.5397 MeV
CENDL3.2 Threshold 3.5397 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.6
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
24-Cr-52

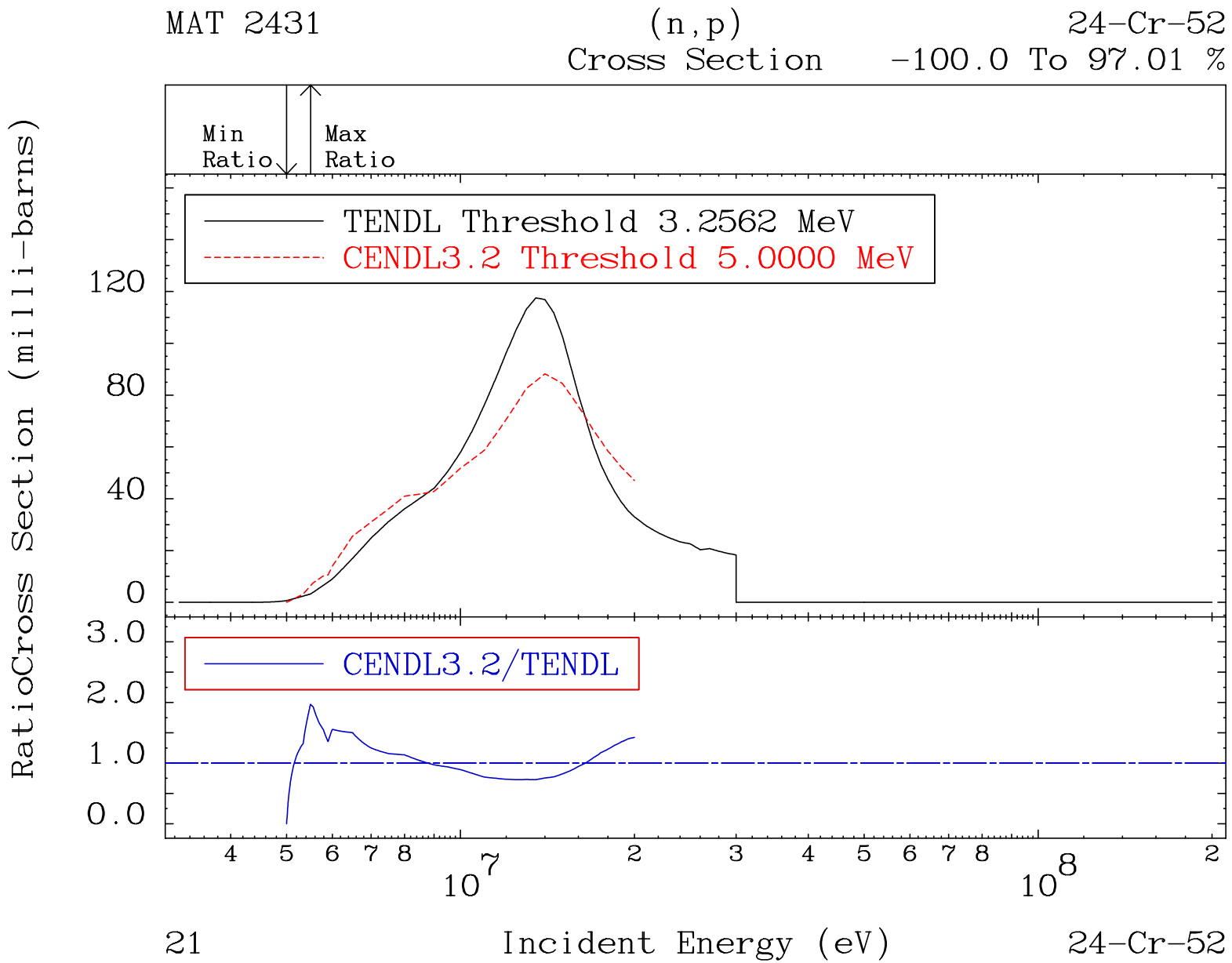

MAT 2431
MT= 60 (n,n') Level
24-Cr-52
Cross Section -82.71 To -13.83%
Max
Ratio
TENDL Threshold 3.6861 MeV
CENDL3.2 Threshold 3.6861 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
1.2
0.8
0.4
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
24-Cr-52

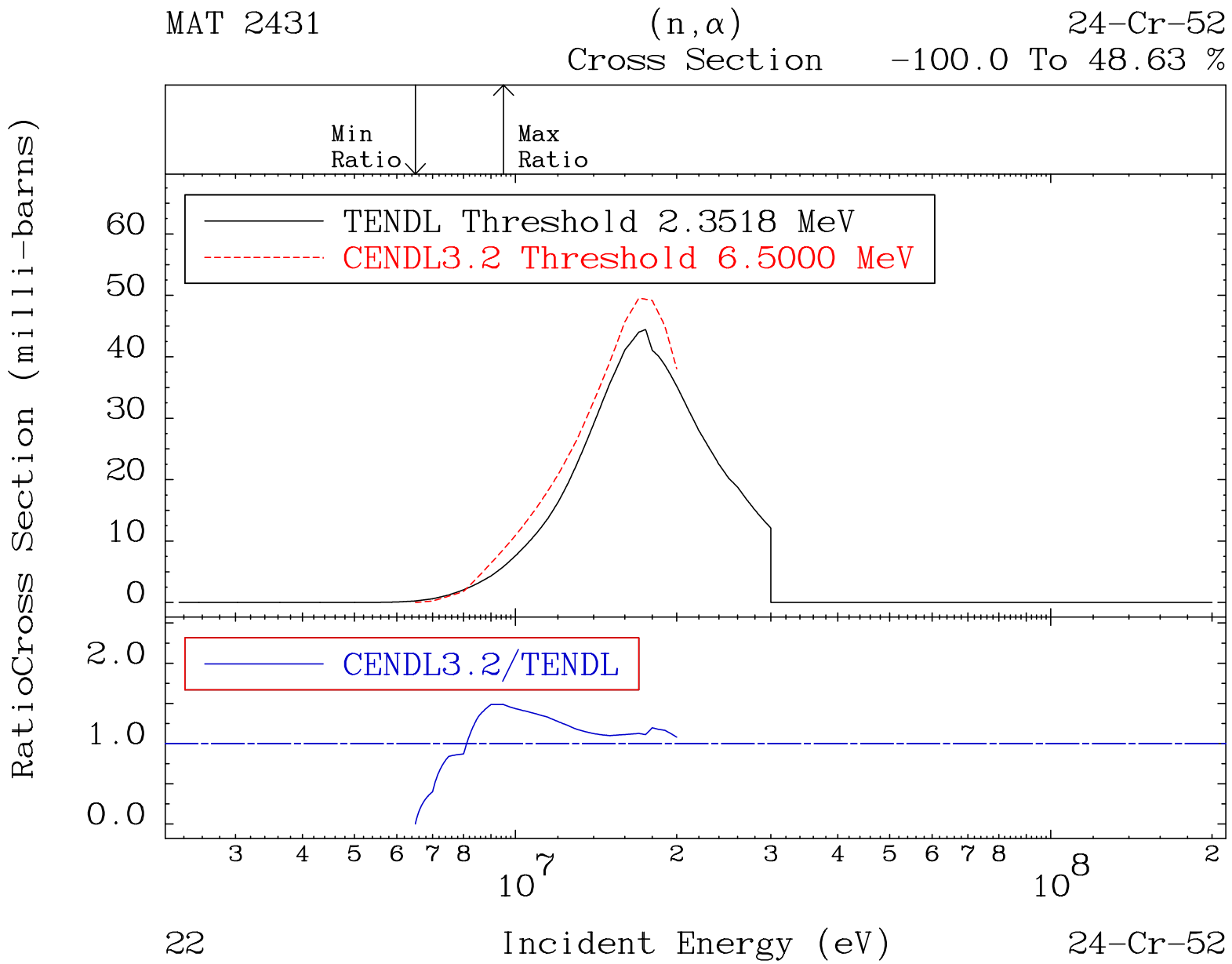

MAT 2431
MT= 61 (n,n') Level
24-Cr-52
Cross Section -99.60 To 587.1 %
Max Ratio
Min Ratio
TENDL Threshold 3.8122 MeV
CENDL3.2 Threshold 3.7719 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
17
24-Cr-52

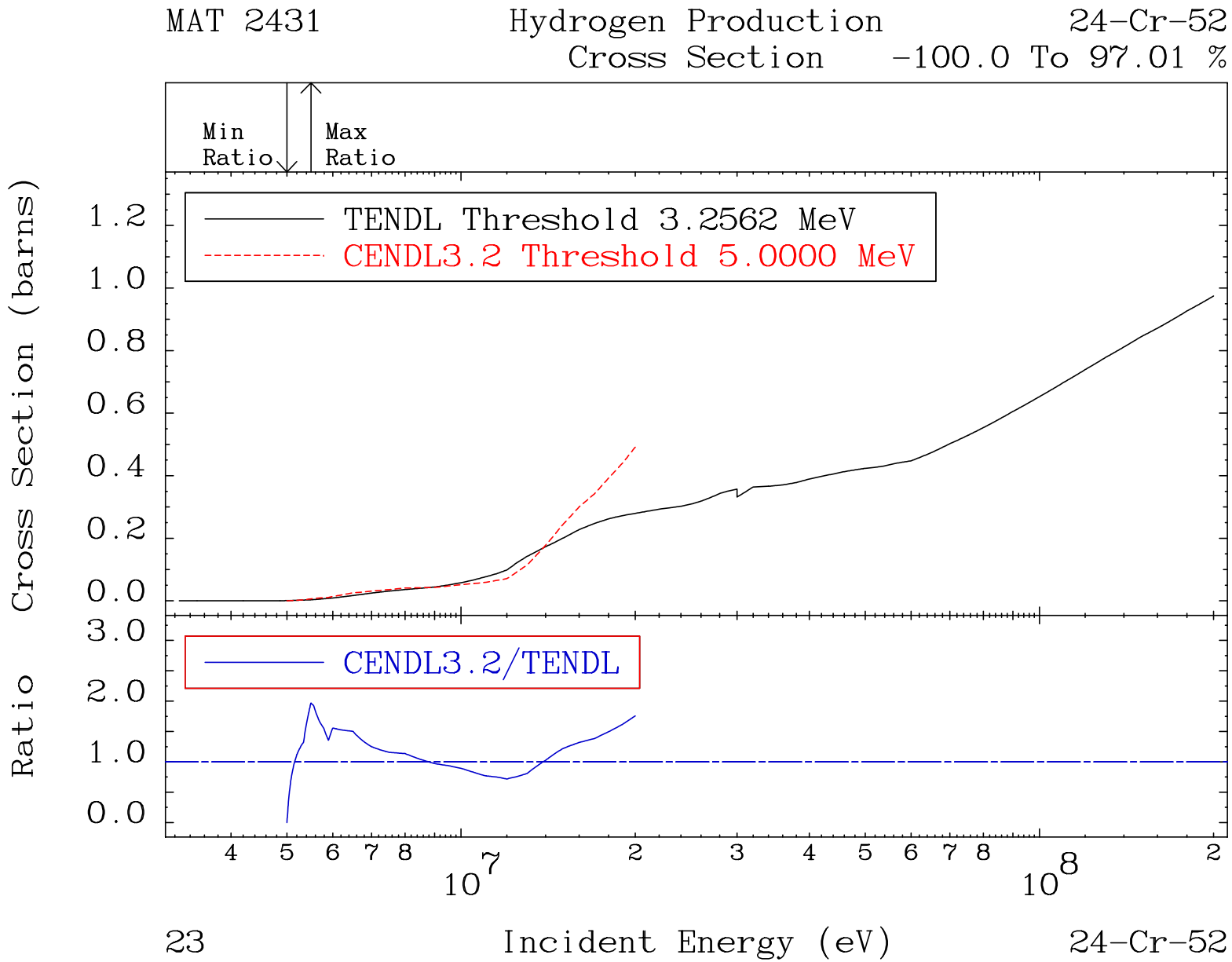

MAT 2431
MT= 62 (n,n') Level
24-Cr-52
Cross Section -99.70 To 4.513 %
Max Ratio
Min Ratio
TENDL Threshold 3.8450 MeV
CENDL3.2 Threshold 3.8450 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
10^0
10^-2
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
24-Cr-52

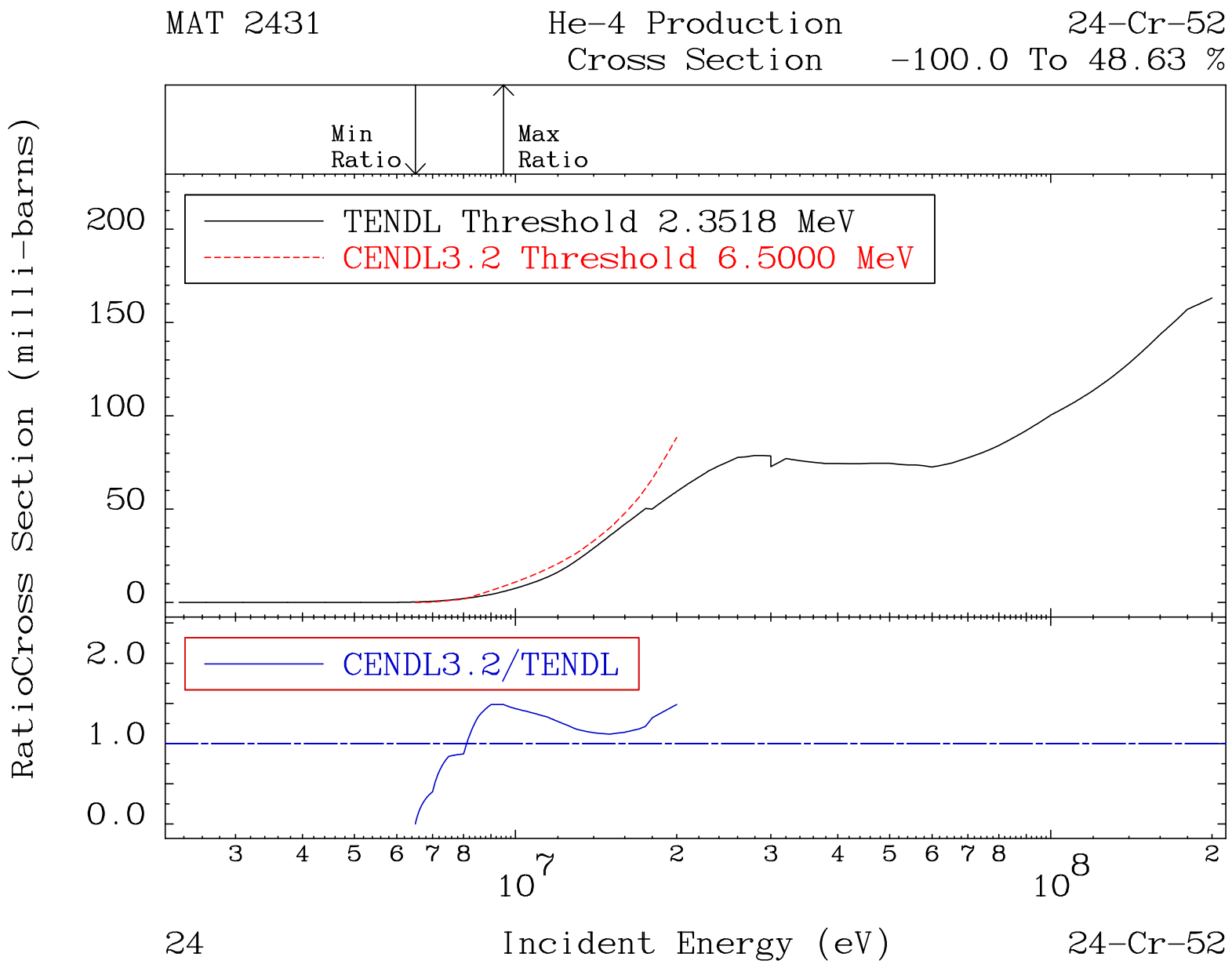

MAT 2431
(n,n') Continuum
Cross Section
24-Cr-52
11.48 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.9353 MeV
CENDL3.2 Threshold 3.8738 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
19
24-Cr-52

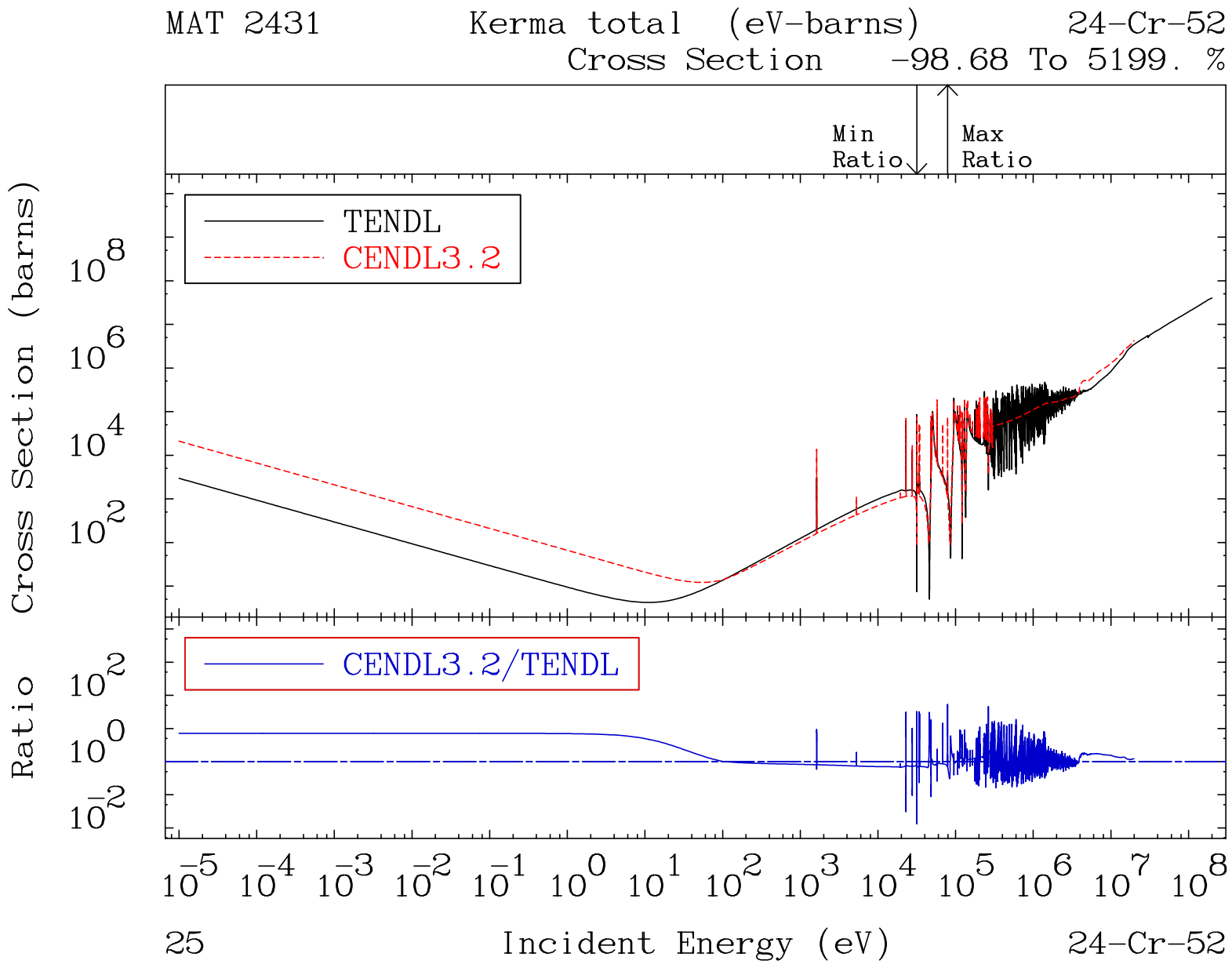

MAT 2431
(n,γ)
Cross Section
24-Cr-52
-99.96 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
20
24-Cr-52

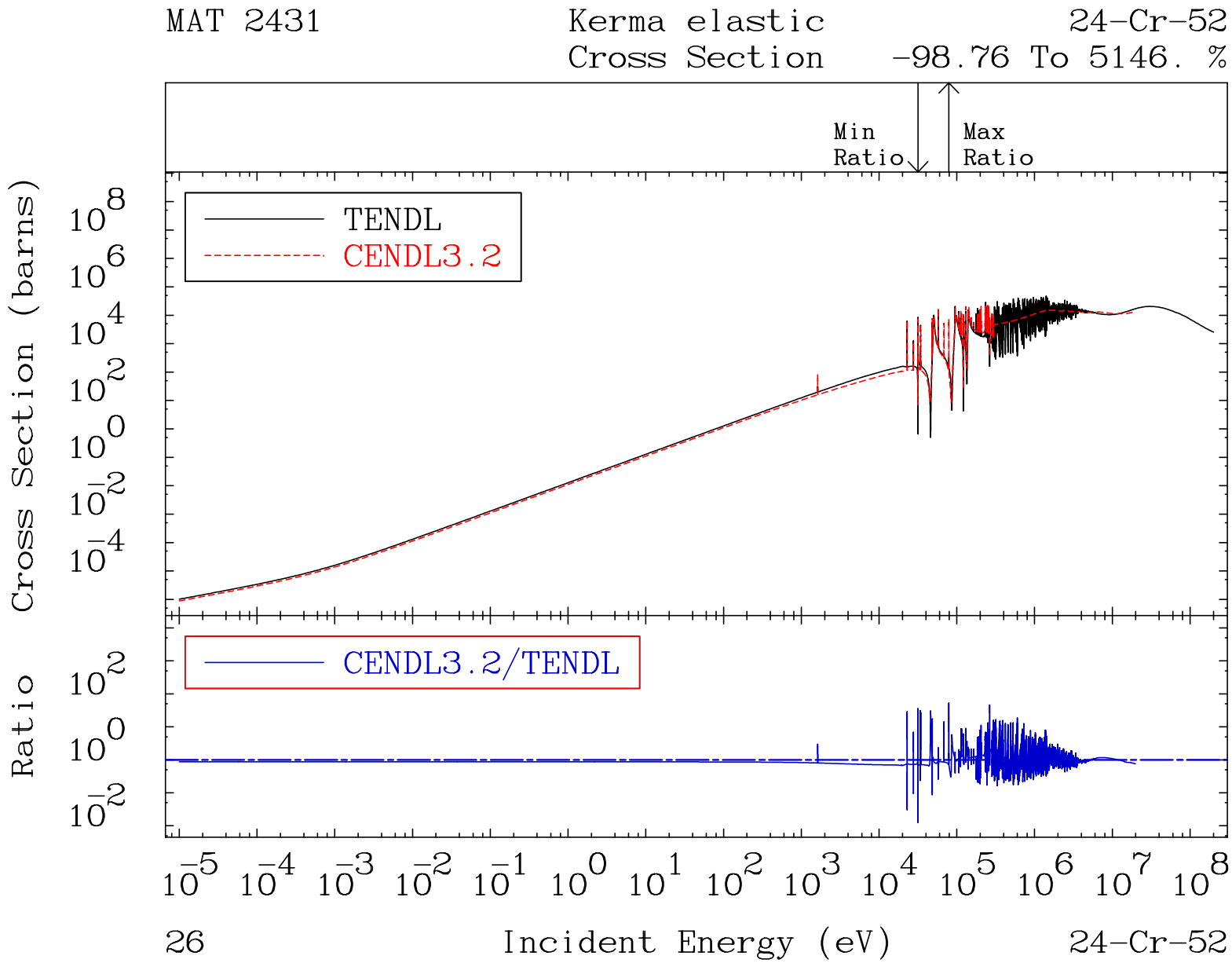

MAT 2431
(n,p)
24-Cr-52
Cross Section
-100.0 To 97.01 %
Min Ratio
Max Ratio
TENDL Threshold 3.2562 MeV
CENDL3.2 Threshold 5.0000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
120
80
40
0
3.0
2.0
1.0
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
24-Cr-52

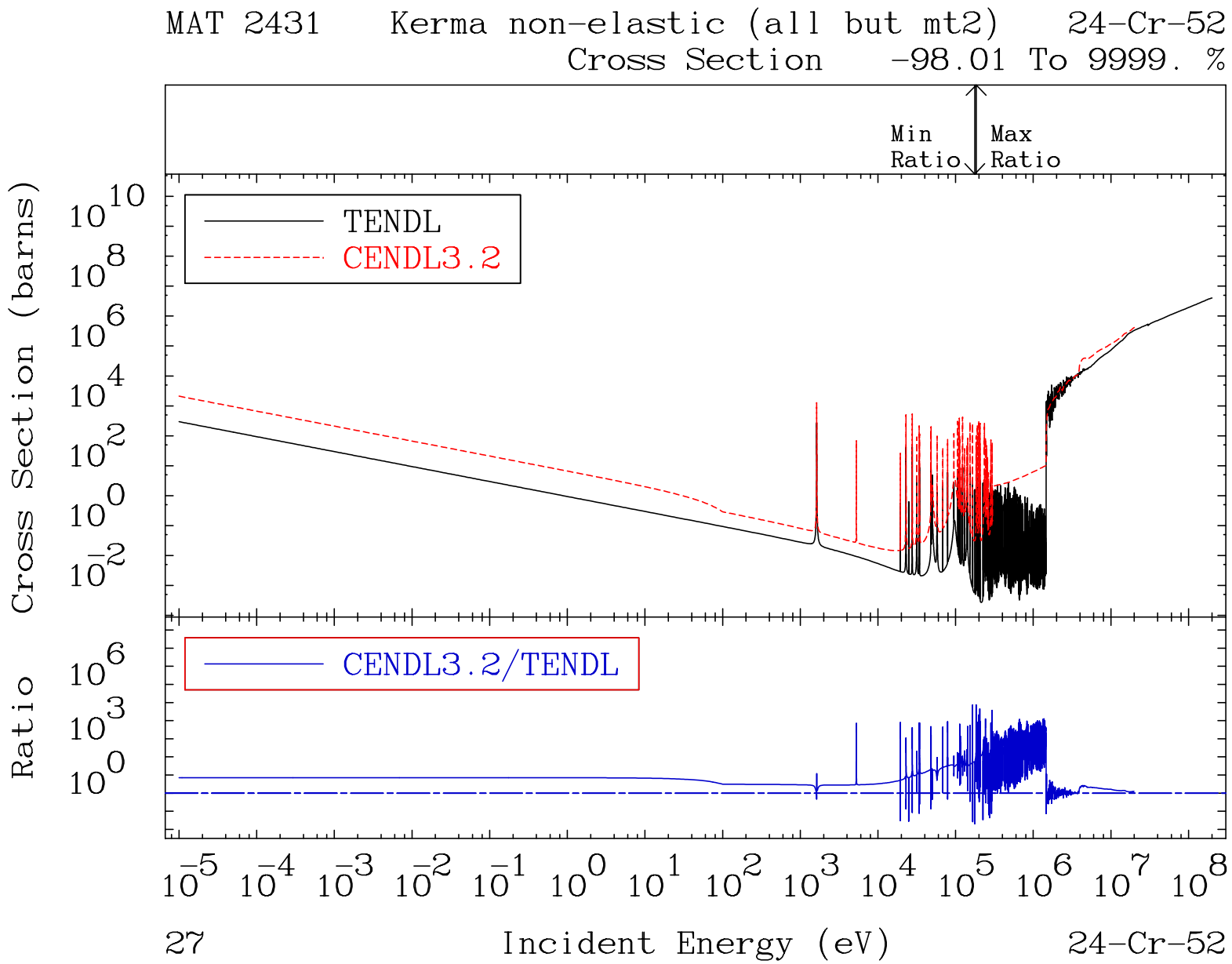

MAT 2431
(n,α)
24-Cr-52
Cross Section
-100.0 To 48.63 %
Min Ratio
Max Ratio
TENDL Threshold 2.3518 MeV
CENDL3.2 Threshold 6.5000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
24-Cr-52

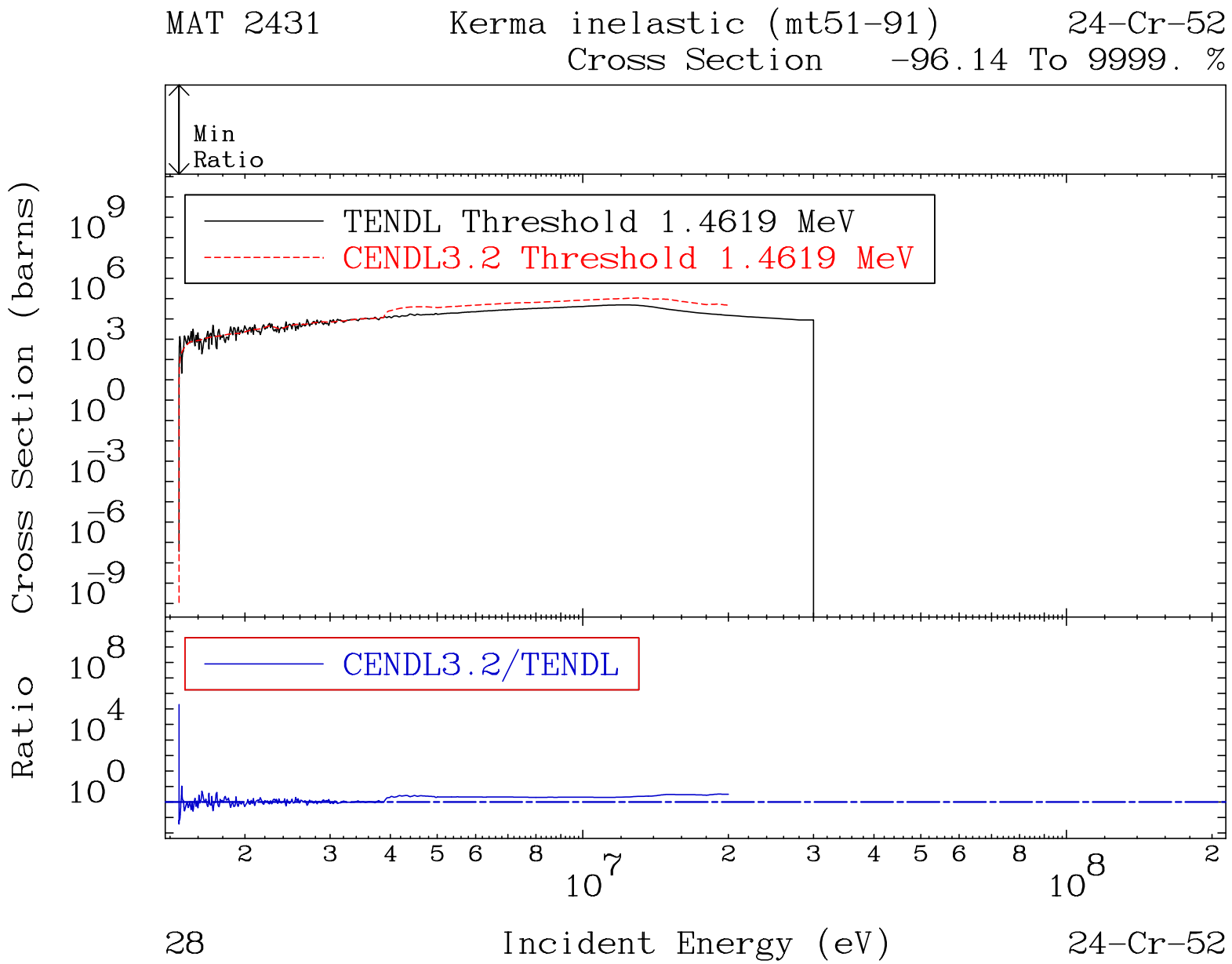

MAT 2431
Hydrogen Production
24-Cr-52
Cross Section
-100.0 To 97.01 %
Min Ratio
Max Ratio
TENDL Threshold 3.2562 MeV
CENDL3.2 Threshold 5.0000 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
3.0
2.0
1.0
0.0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
24-Cr-52

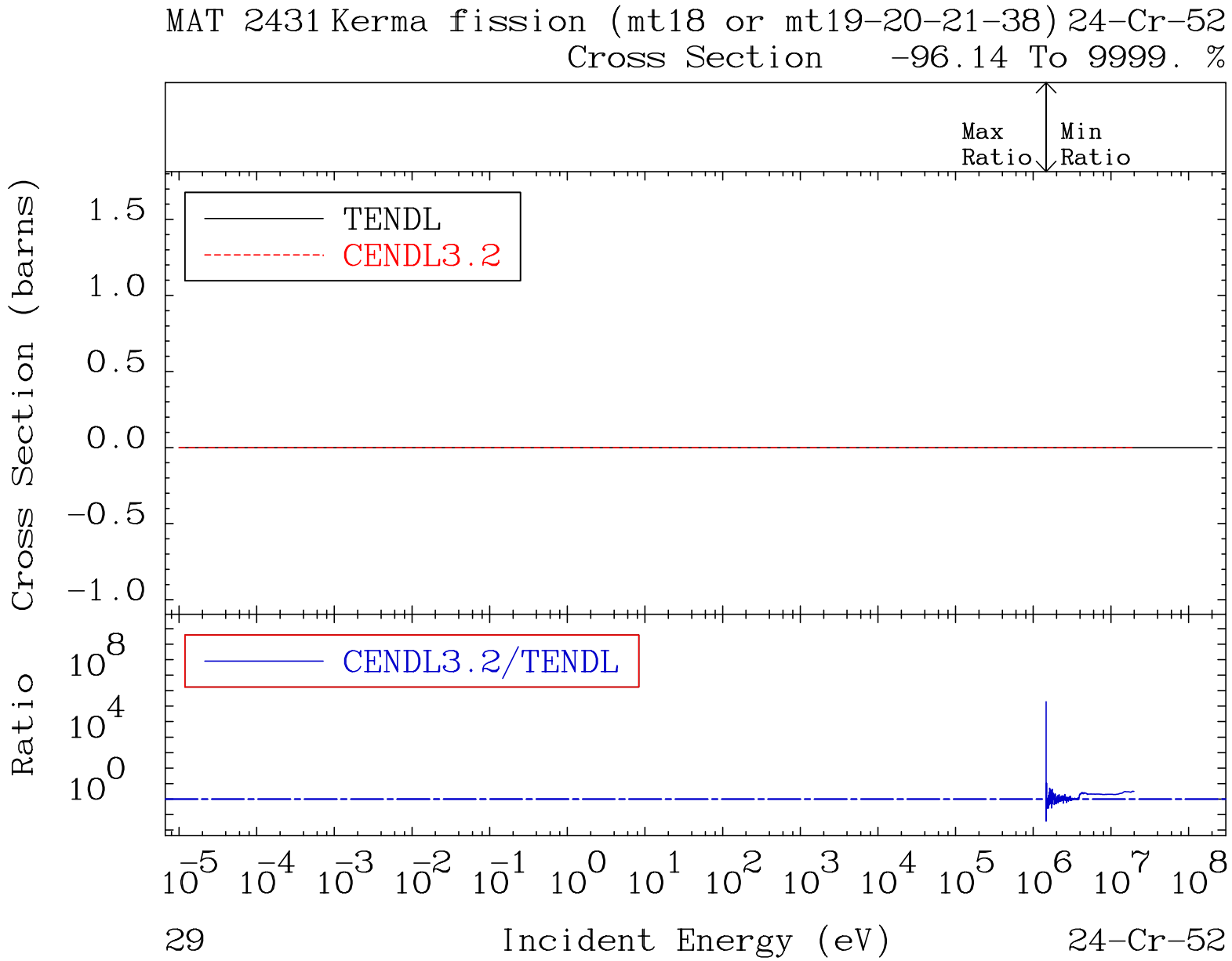

MAT 2431
He-4 Production
Cross Section
24-Cr-52
-100.0 To 48.63 %
Min Ratio
Max Ratio
TENDL Threshold 2.3518 MeV
CENDL3.2 Threshold 6.5000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
24-Cr-52

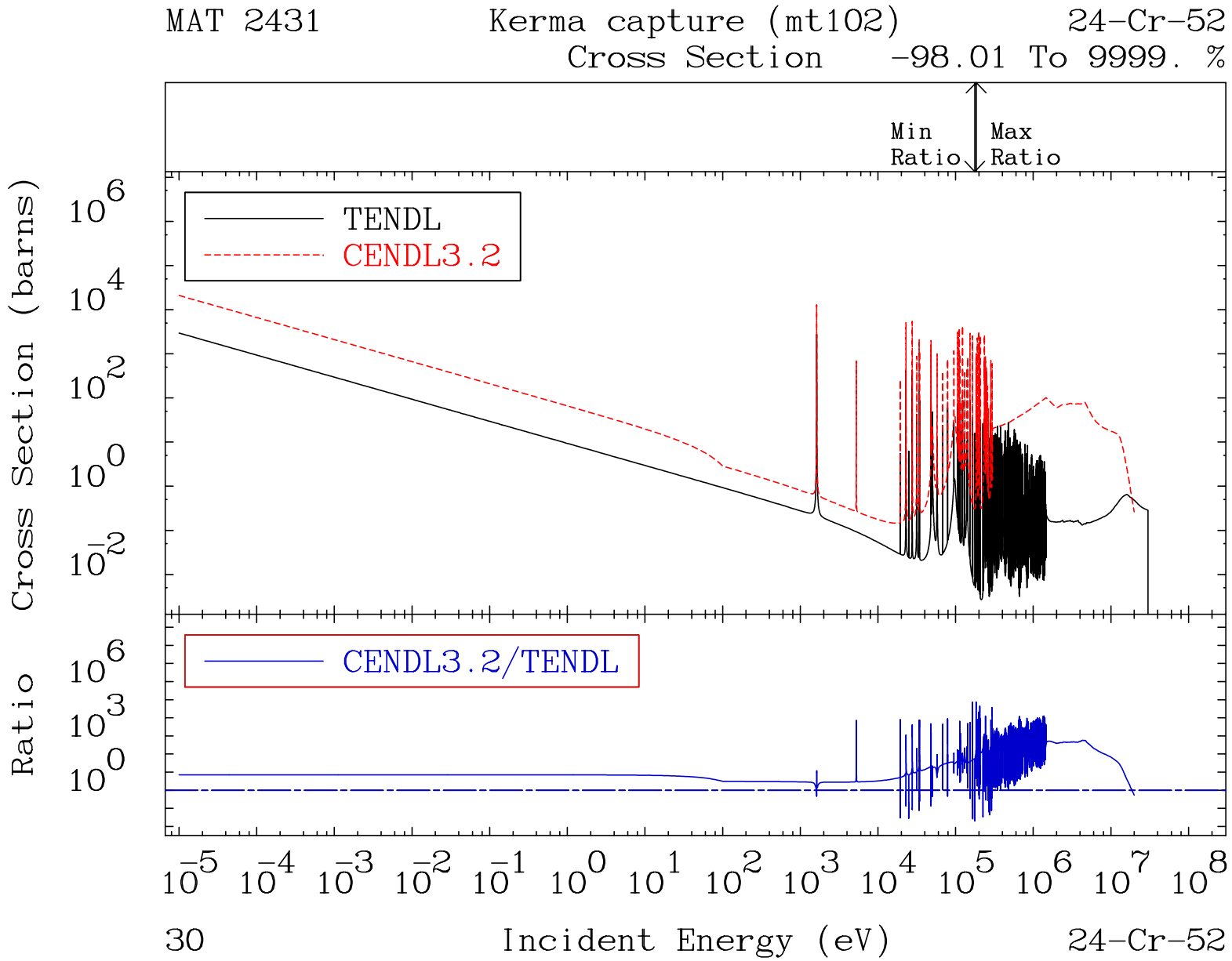

MAT 2431
Kerma total (eV-barns)
24-Cr-52
Cross Section -98.68 To 5199. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
25
24-Cr-52

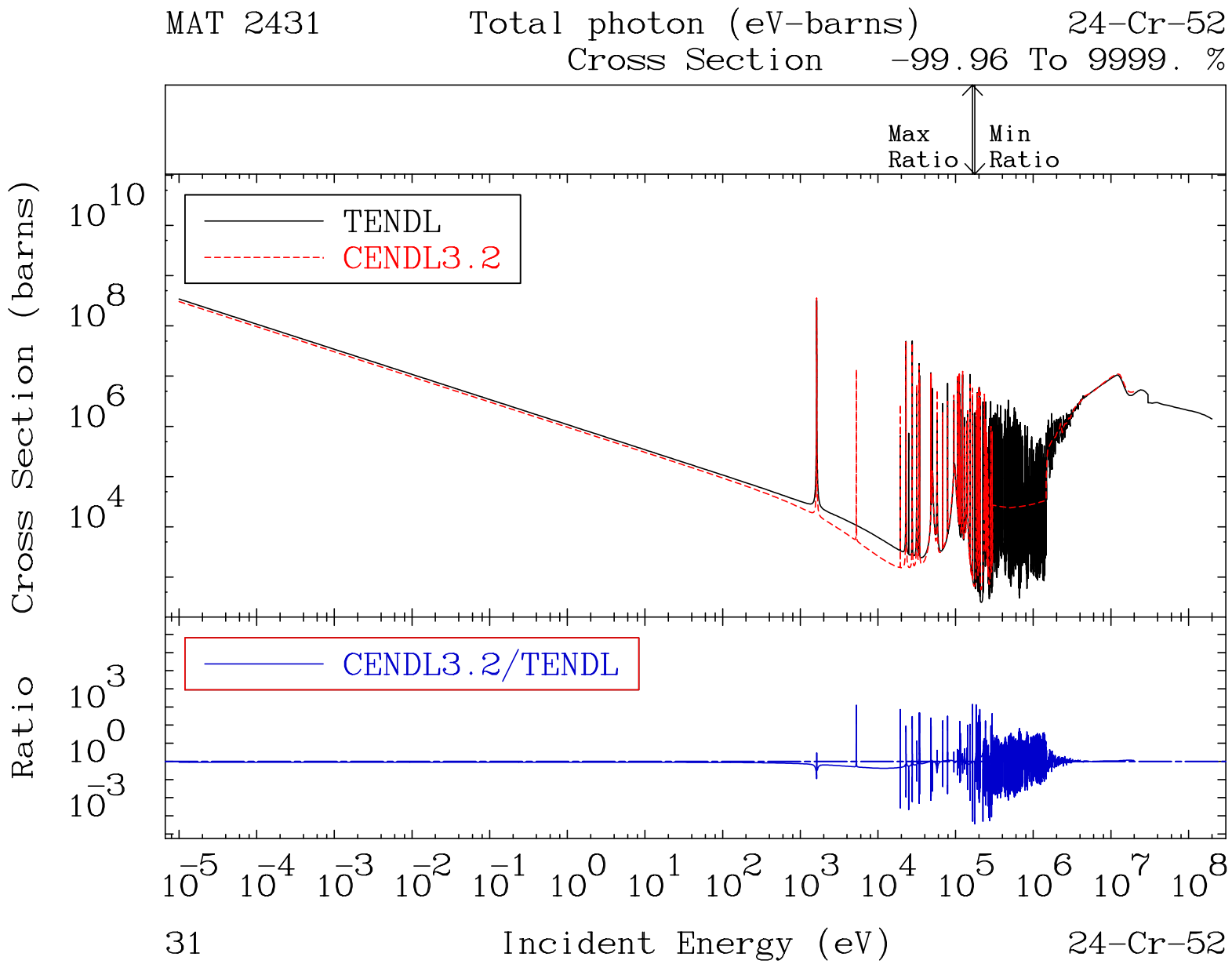

MAT 2431
Kerma elastic
Cross Section
24-Cr-52
-98.76 To 5146. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
26
24-Cr-52

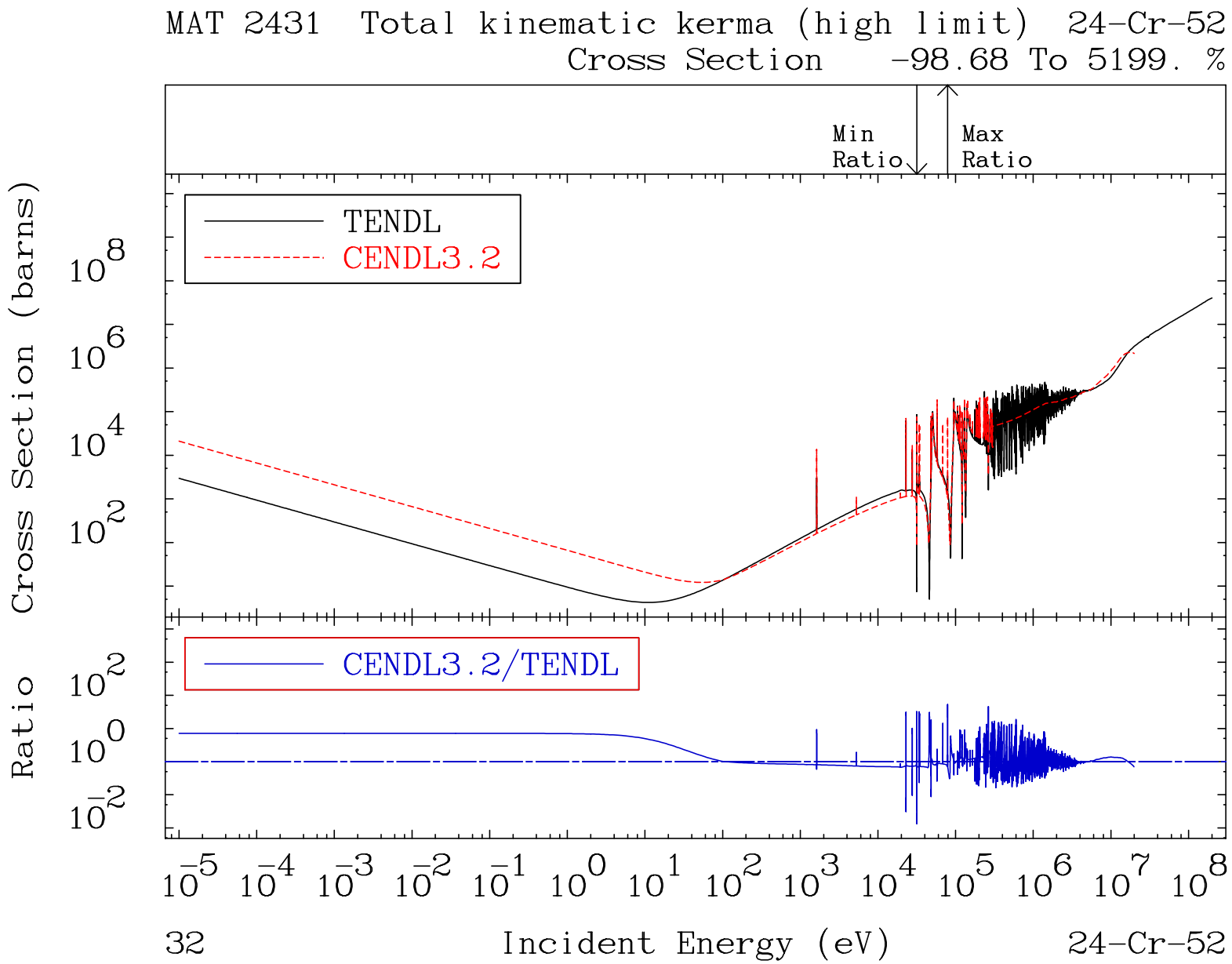

MAT 2431 Kerma non-elastic (all but mt2) 24-Cr-52
Cross Section -98.01 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
27
24-Cr-52

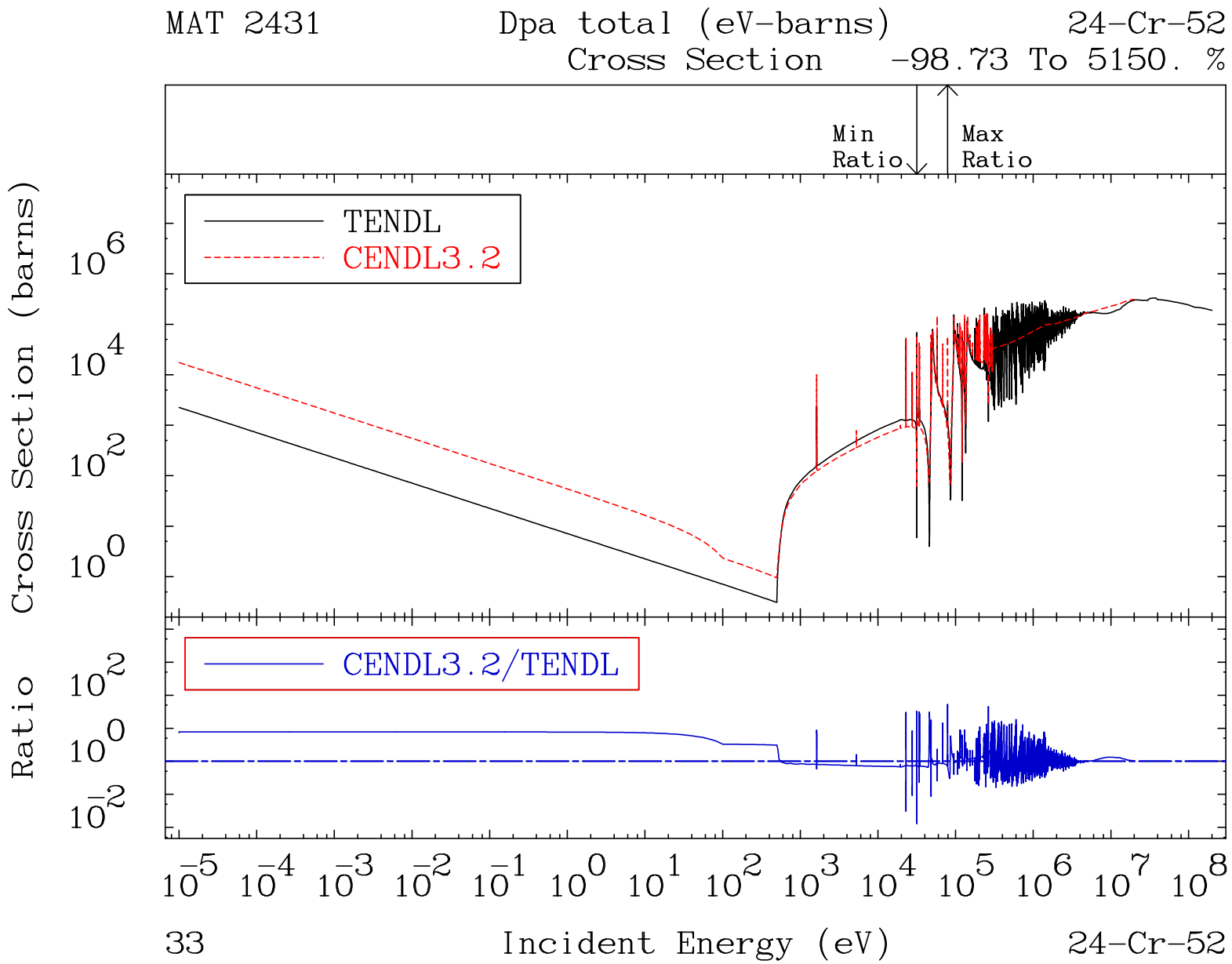

MAT 2431
Kerma inelastic (mt51-91)
24-Cr-52
Cross Section -96.14 To 9999. %
Min
Ratio
TENDL Threshold 1.4619 MeV
CENDL3.2 Threshold 1.4619 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
28
24-Cr-52

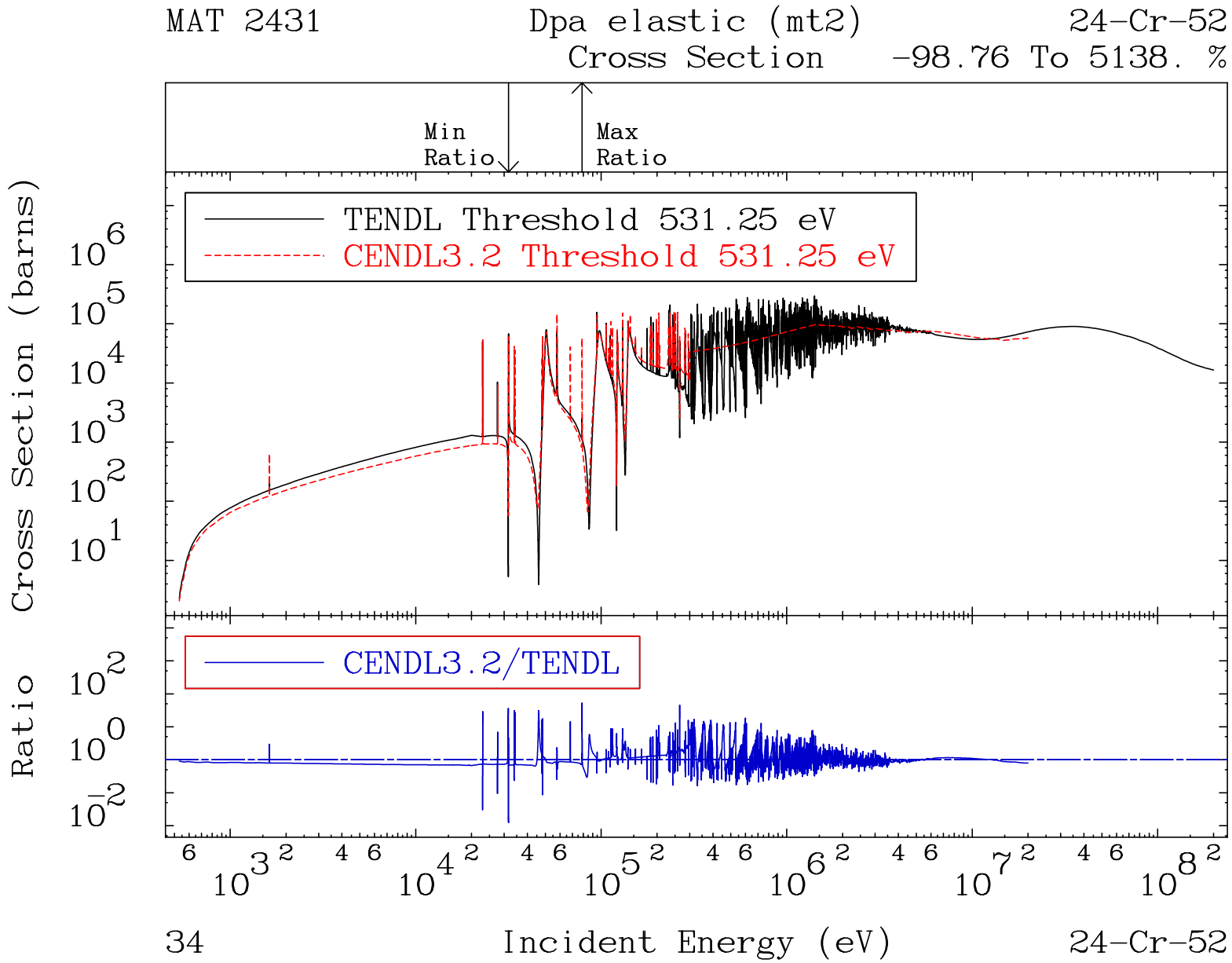

MAT 2431 Kerma fission (mt18 or mt19-20-21-38) 24-Cr-52
Cross Section -96.14 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{8}
10^{4}
10^{0}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
29
Incident Energy (eV)
24-Cr-52

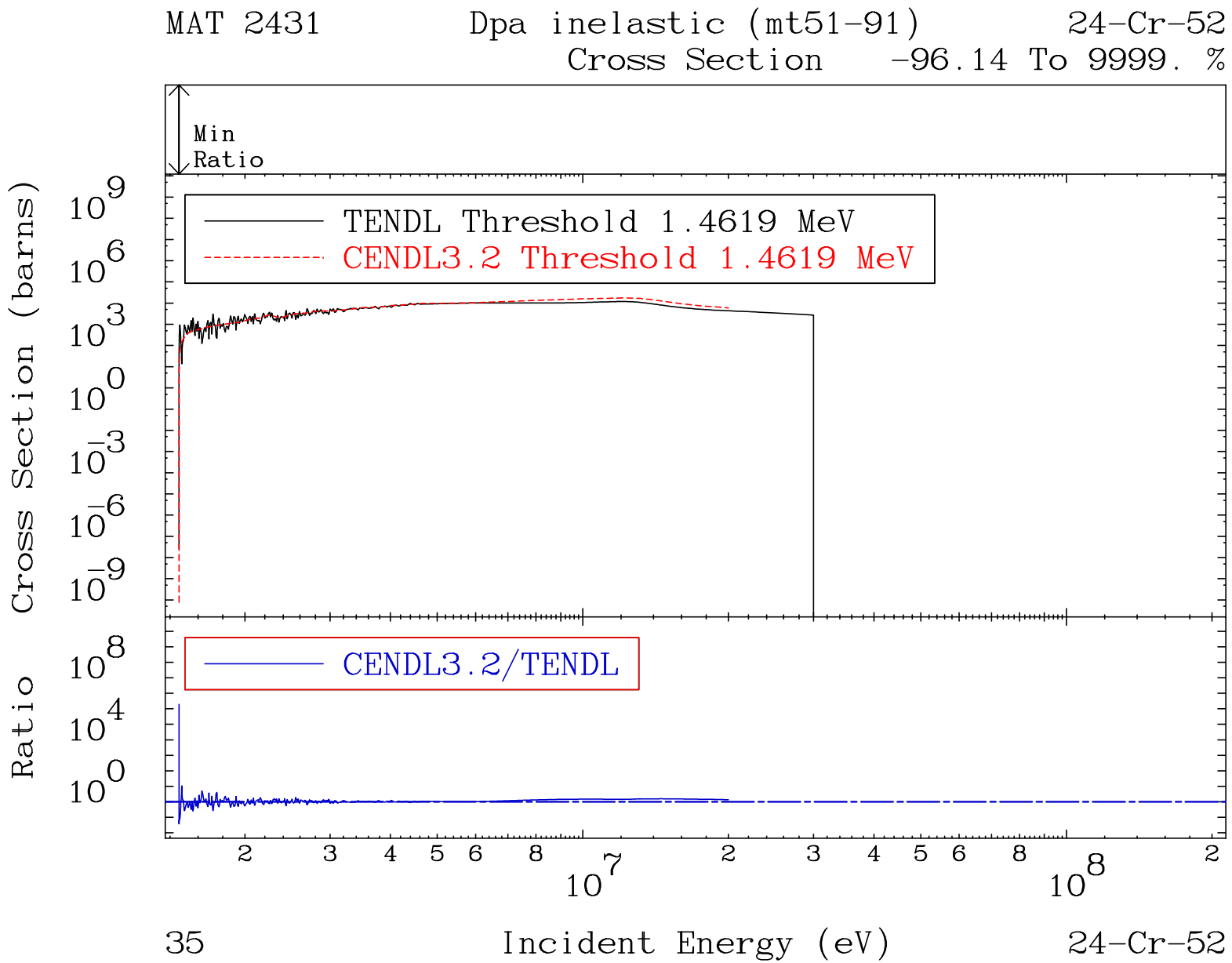

MAT 2431
Kerma capture (mt102)
24-Cr-52
Cross Section -98.01 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
30
24-Cr-52

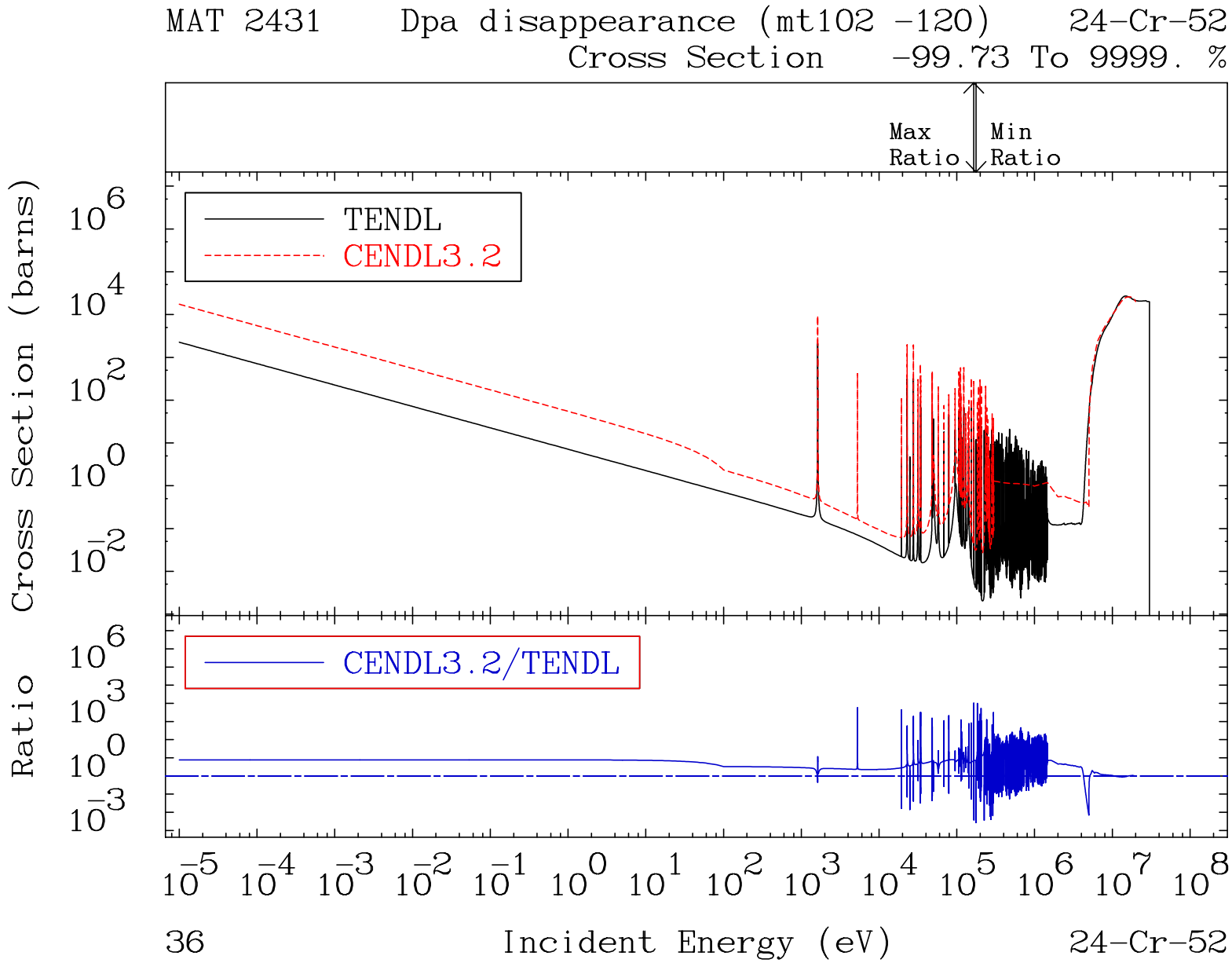

MAT 2431
Total photon (eV-barns)
24-Cr-52
Cross Section -99.96 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
31
24-Cr-52

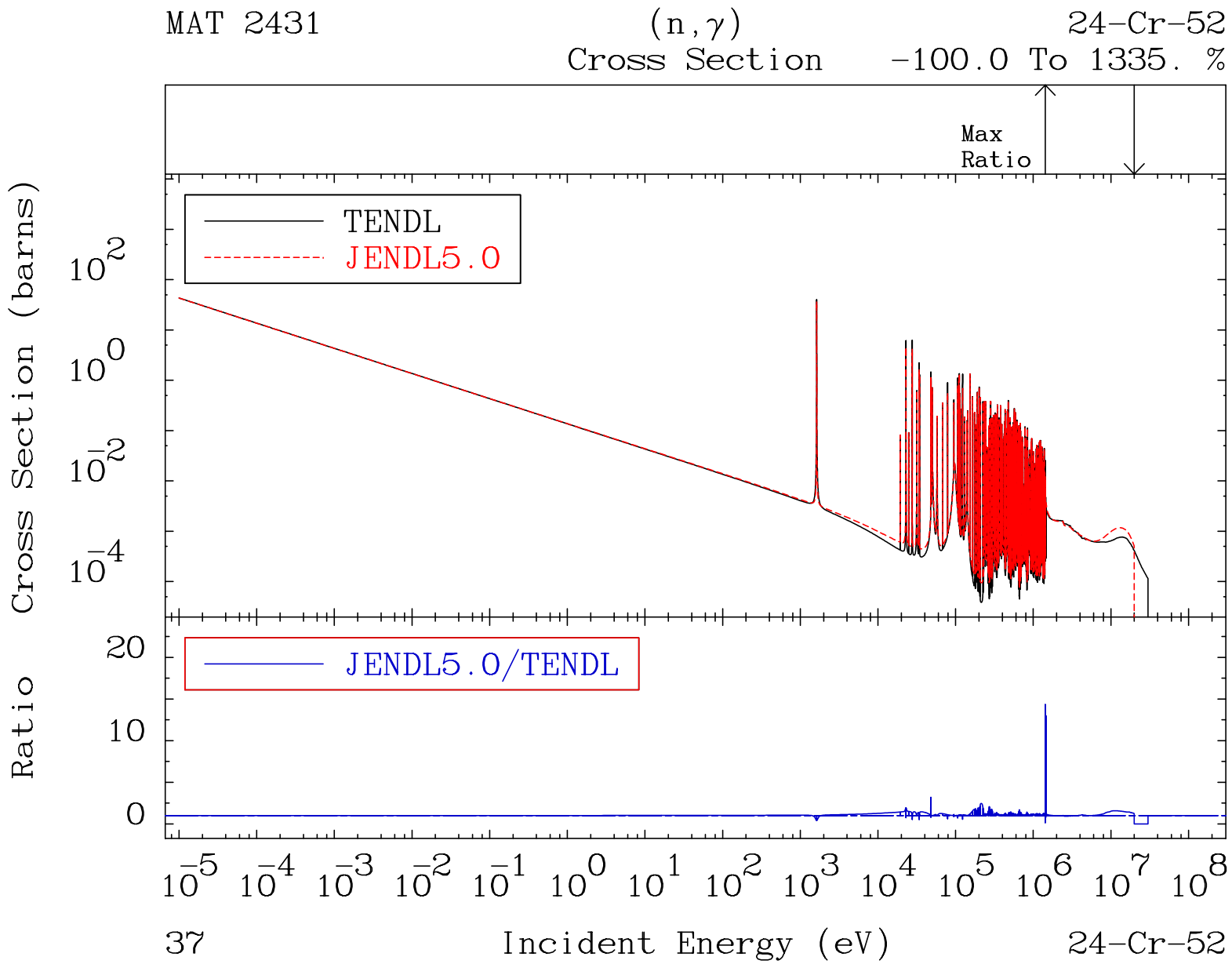

MAT 2431 Total kinematic kerma (high limit) 24-Cr-52
Cross Section -98.68 To 5199. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
32
24-Cr-52

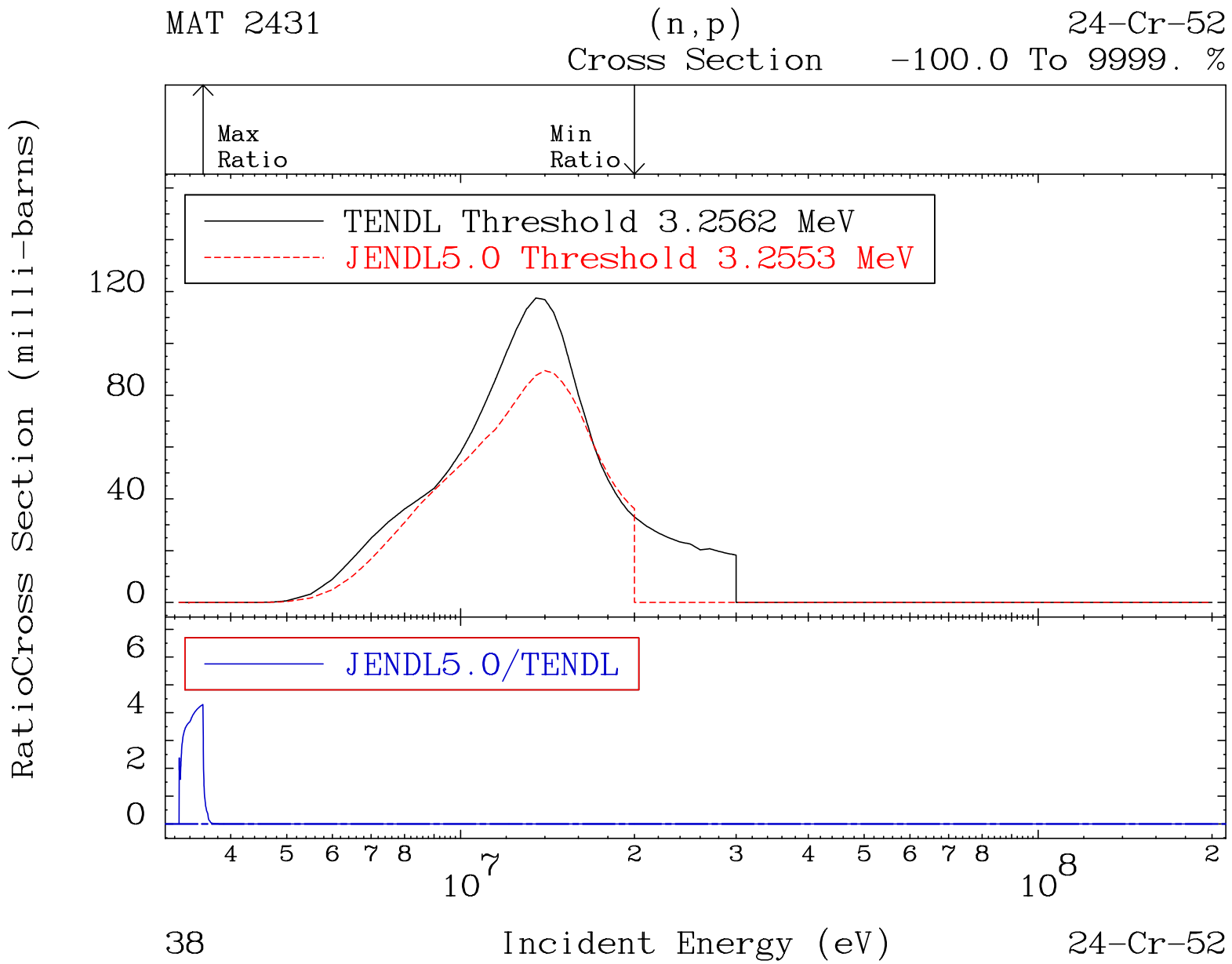

MAT 2431
Dpa total (eV-barns)
24-Cr-52
Cross Section
-98.73 To 5150. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
33
24-Cr-52

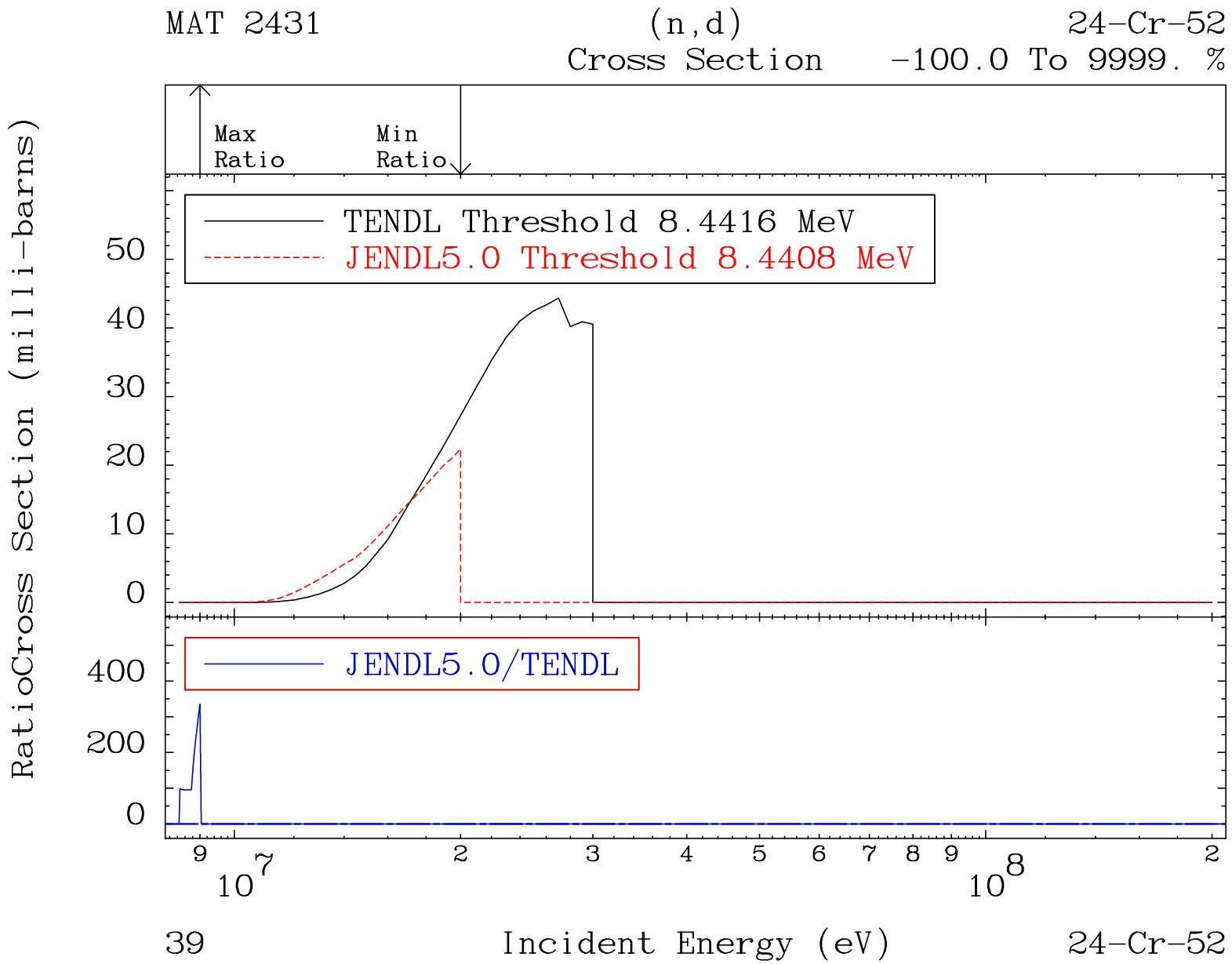

MAT 2431
Dpa elastic (mt2)
Cross Section
24-Cr-52
-98.76 To 5138. %
Min Ratio
Max Ratio
TENDL Threshold 531.25 eV
CENDL3.2 Threshold 531.25 eV
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
34
24-Cr-52

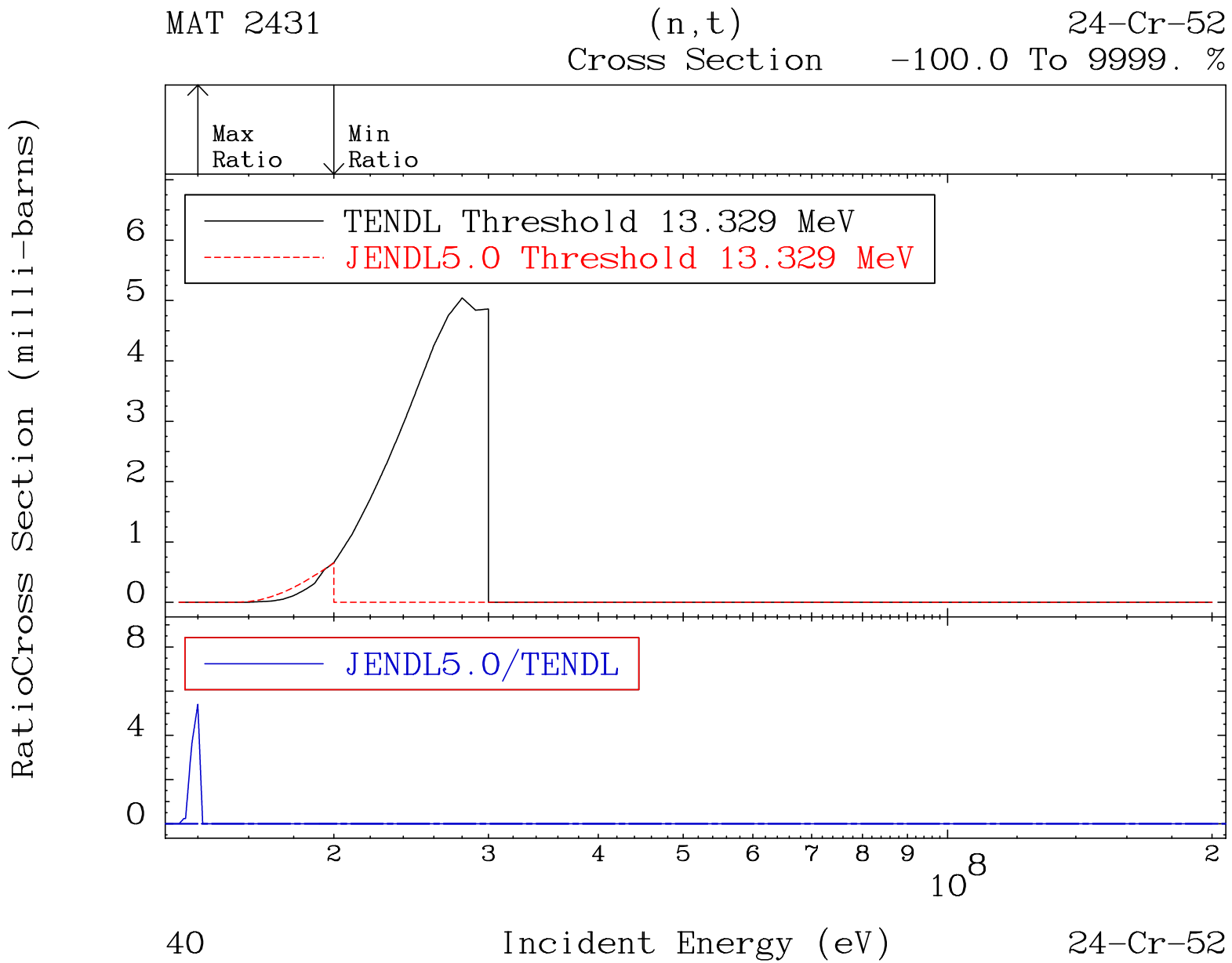

MAT 2431
Dpa inelastic (mt51-91)
24-Cr-52
Cross Section -96.14 To 9999. %
Min
Ratio
TENDL Threshold 1.4619 MeV
CENDL3.2 Threshold 1.4619 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
35
24-Cr-52

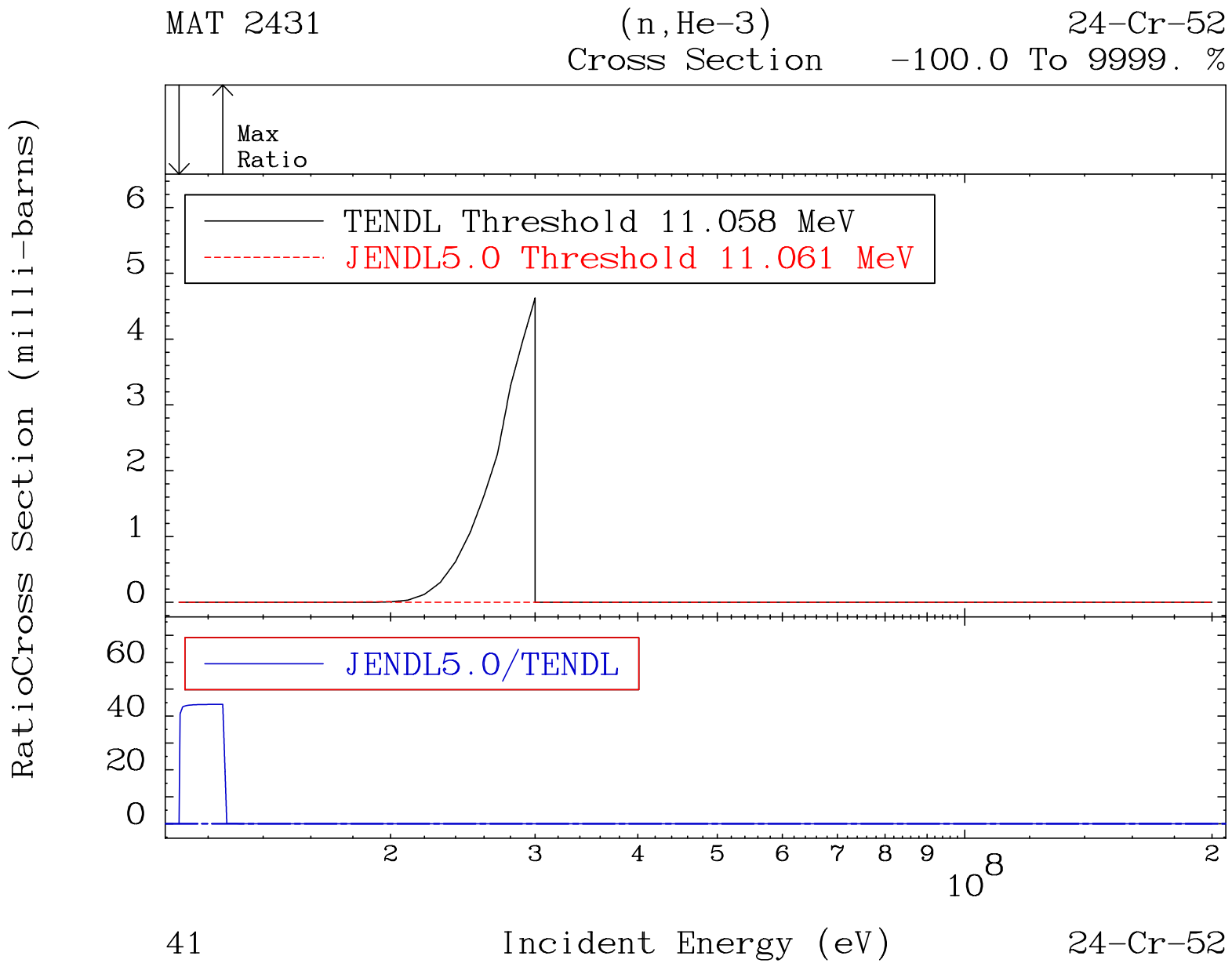

MAT 2431 Dpa disappearance (mt102 -120) 24-Cr-52
Cross Section -99.73 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
36
24-Cr-52

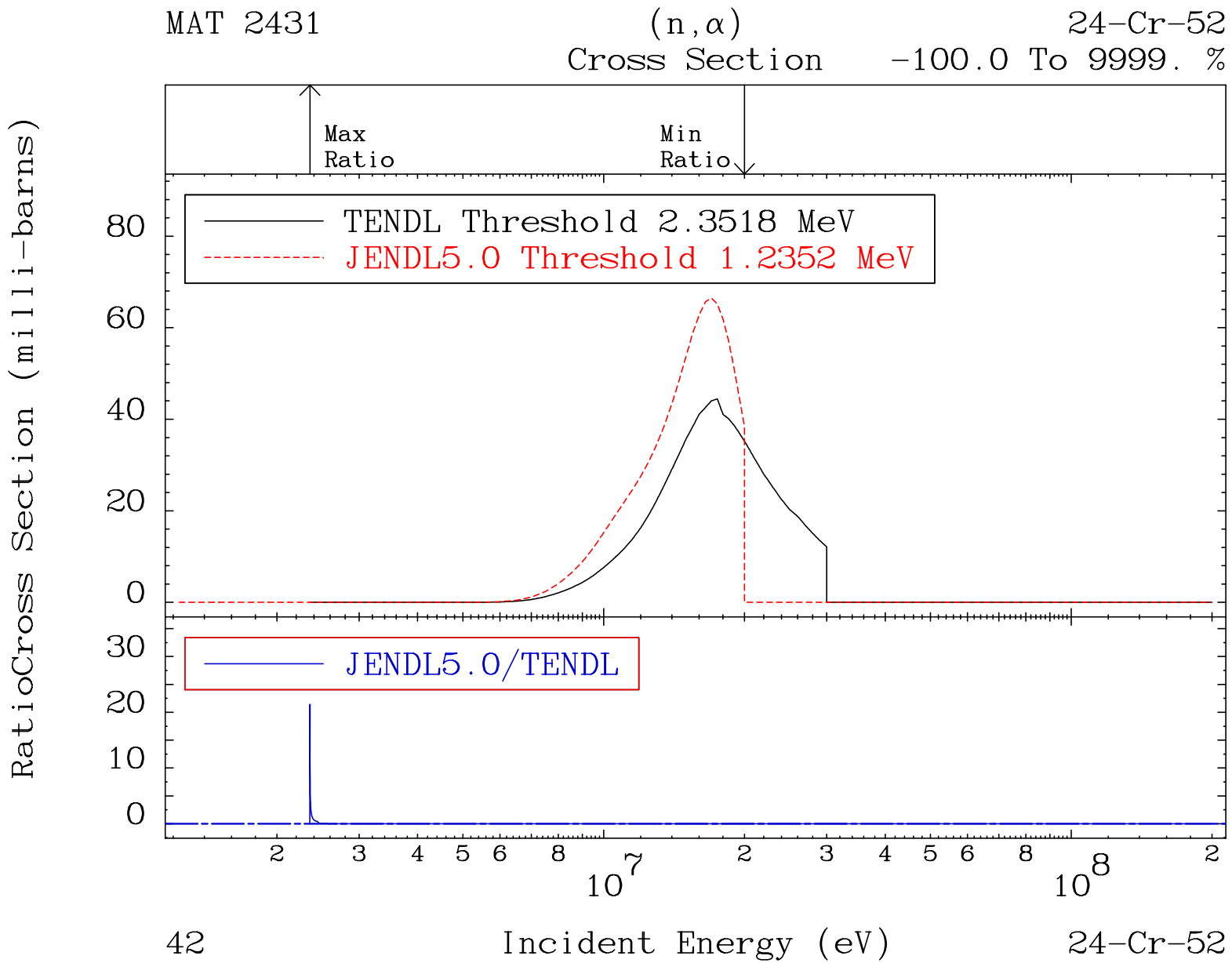

MAT 2431
(n,γ)
Cross Section
24-Cr-52
-100.0 To 1335. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
37
24-Cr-52

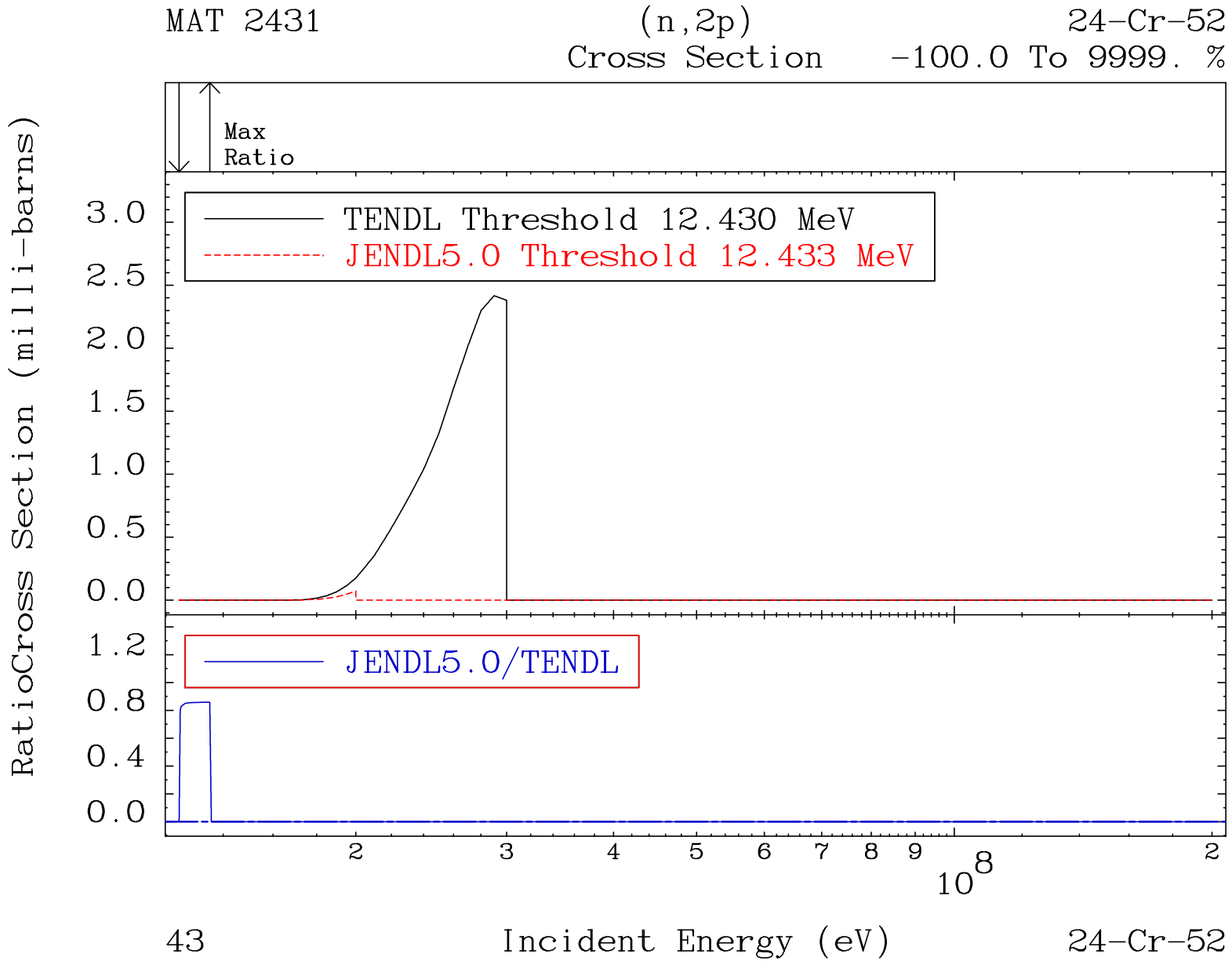

MAT 2431
(n,p)
24-Cr-52
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.2562 MeV
JENDL5.0 Threshold 3.2553 MeV
120
80
40
0
JENDL5.0/TENDL
6
4
2
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
RatioCross Section (milli-barns)
38
Incident Energy (eV)
24-Cr-52

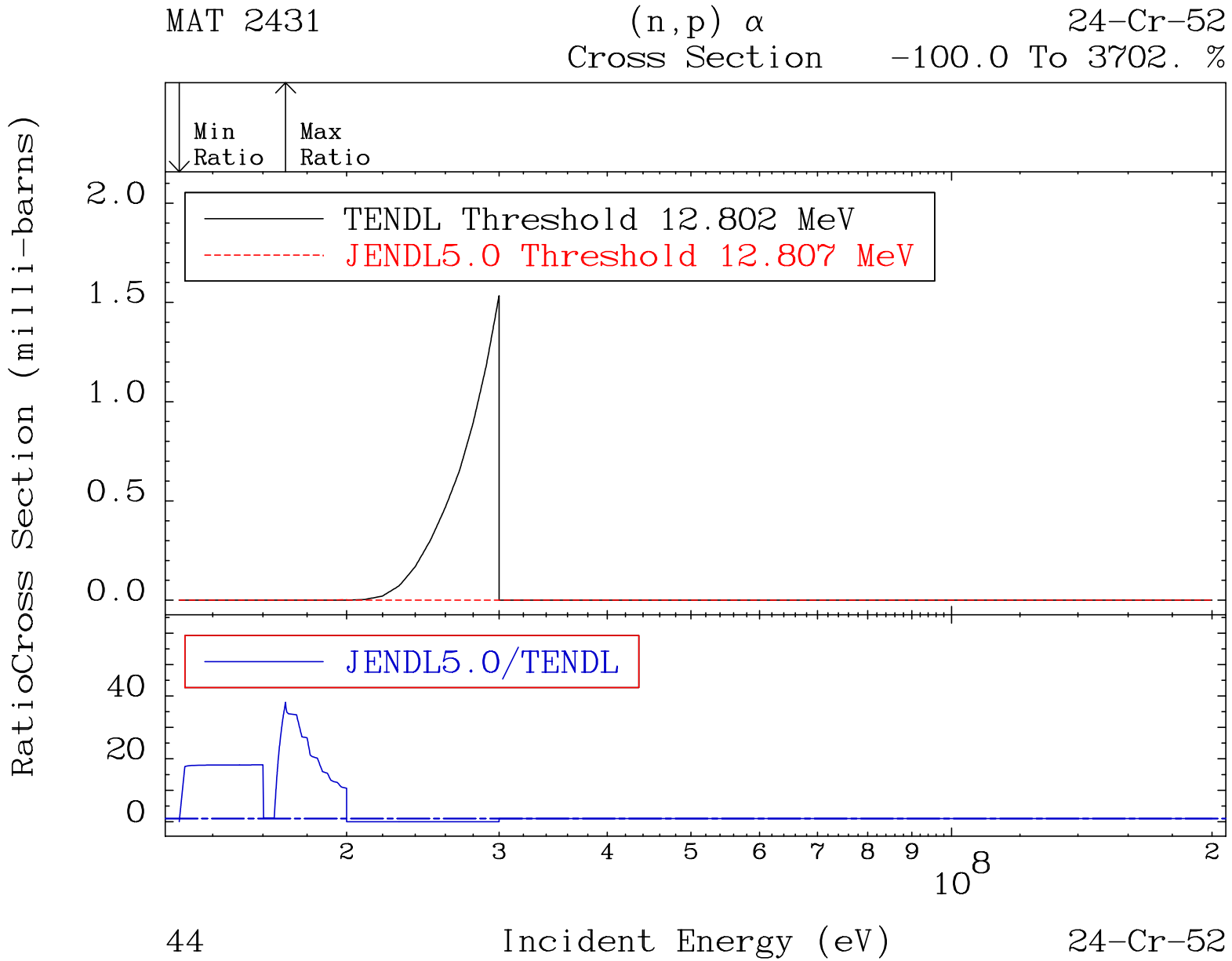

MAT 2431
(n,d)
24-Cr-52
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 8.4416 MeV
JENDL5.0 Threshold 8.4408 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
400
200
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
39
Incident Energy (eV)
24-Cr-52

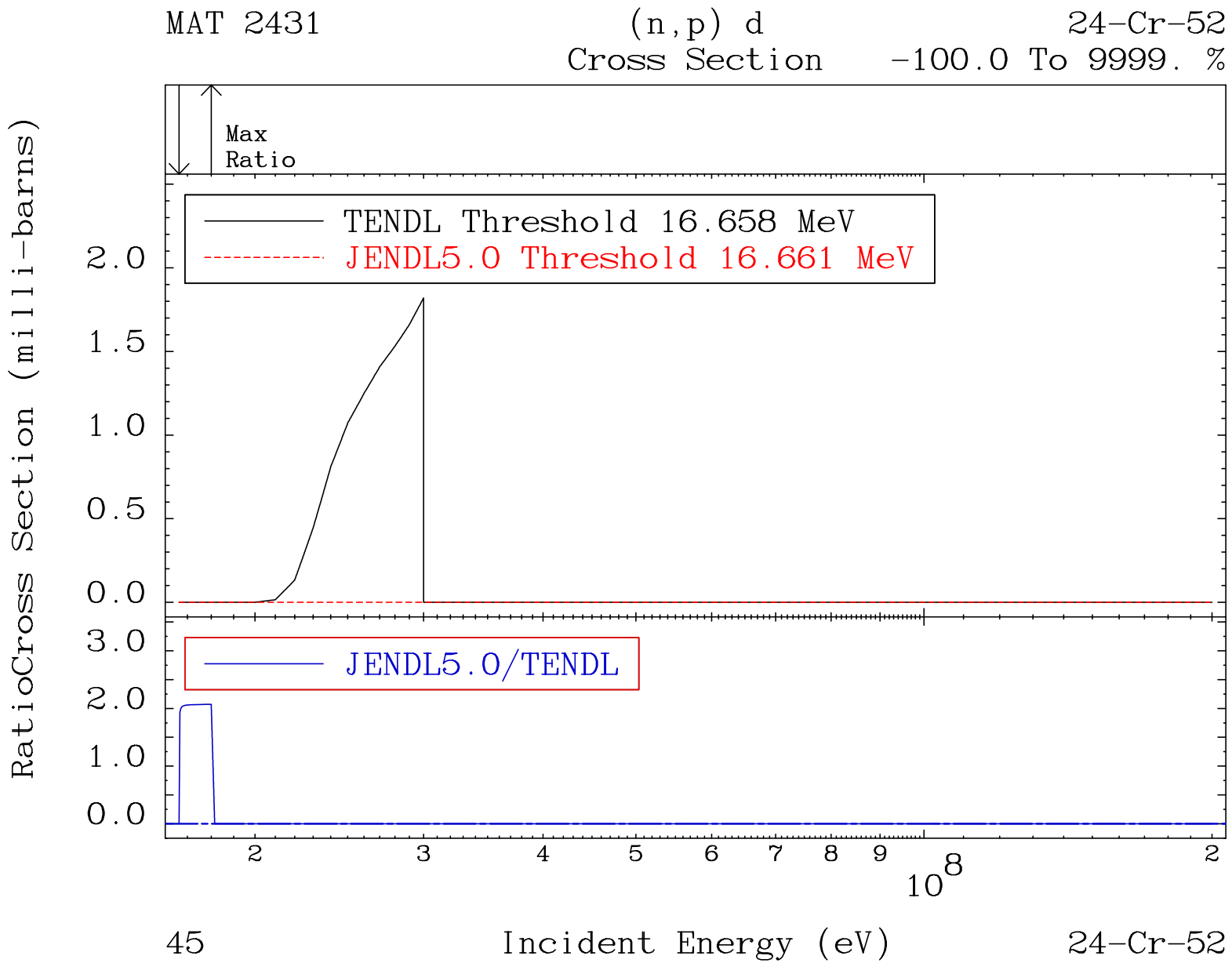

MAT 2431
(n,t)
24-Cr-52
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 13.329 MeV
JENDL5.0 Threshold 13.329 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
40
24-Cr-52

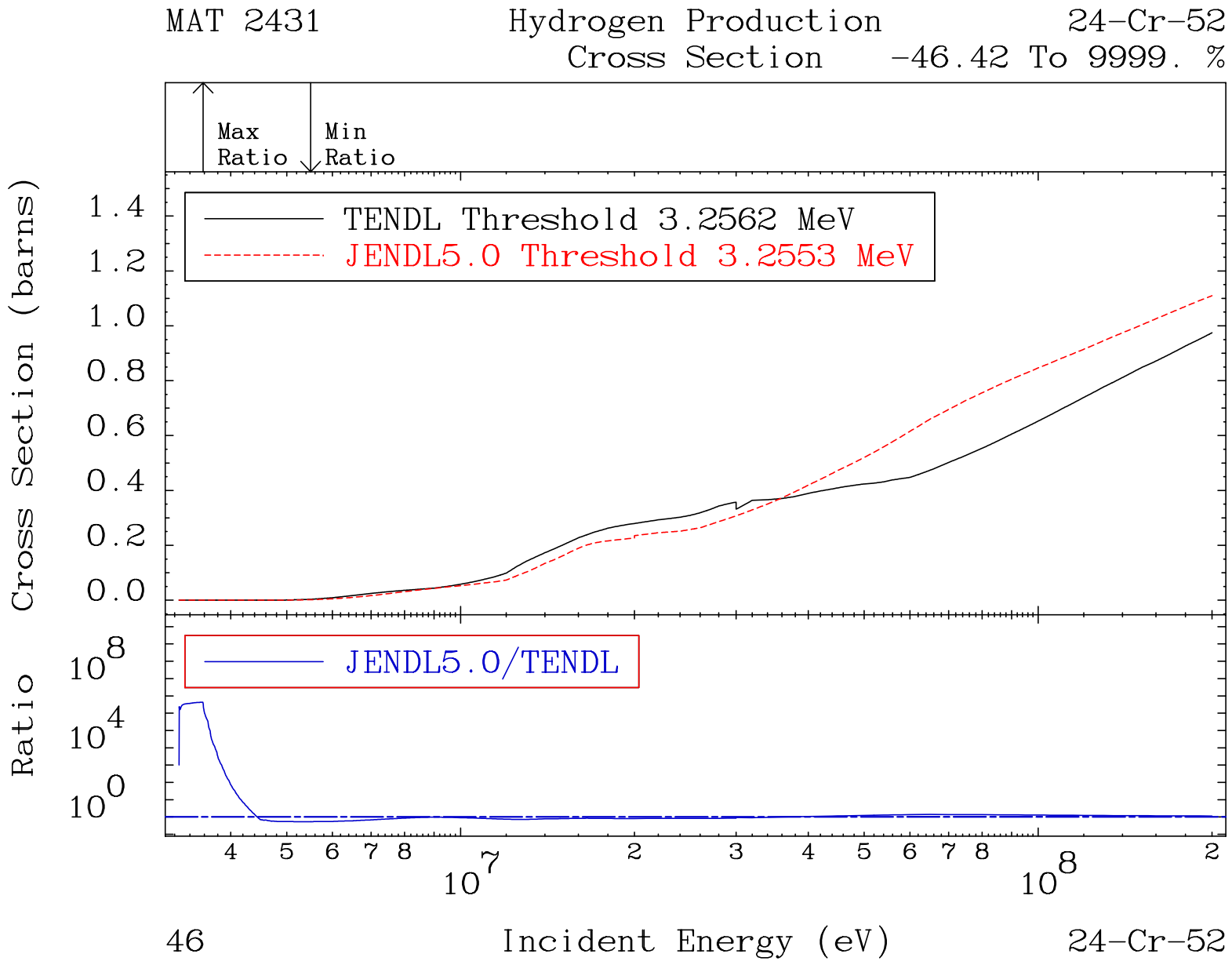

MAT 2431
(n,He-3)
24-Cr-52
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 11.058 MeV
JENDL5.0 Threshold 11.061 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
41
24-Cr-52

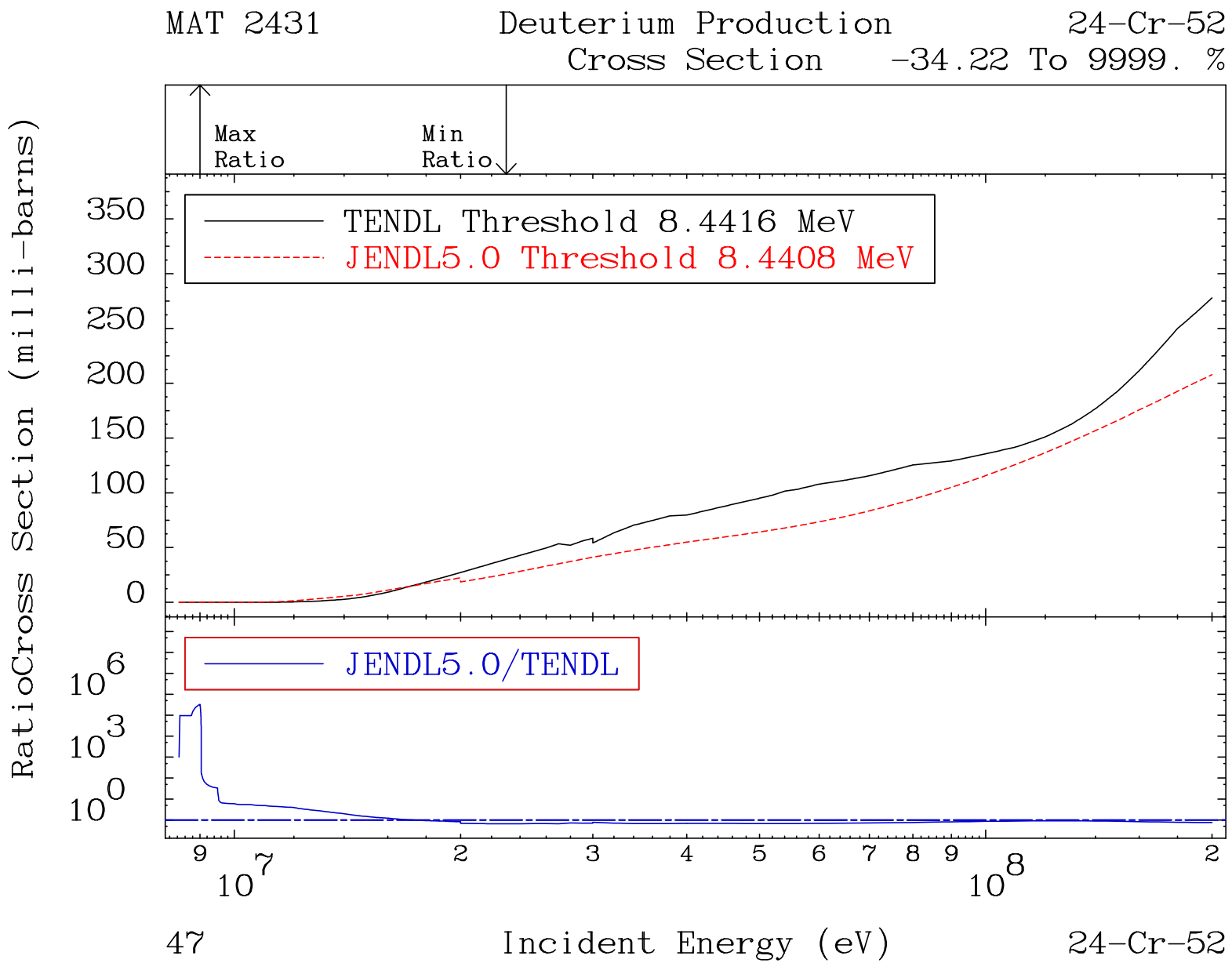

MAT 2431
(n,α)
24-Cr-52
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.3518 MeV
JENDL5.0 Threshold 1.2352 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
30
20
10
0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
42
Incident Energy (eV)
24-Cr-52

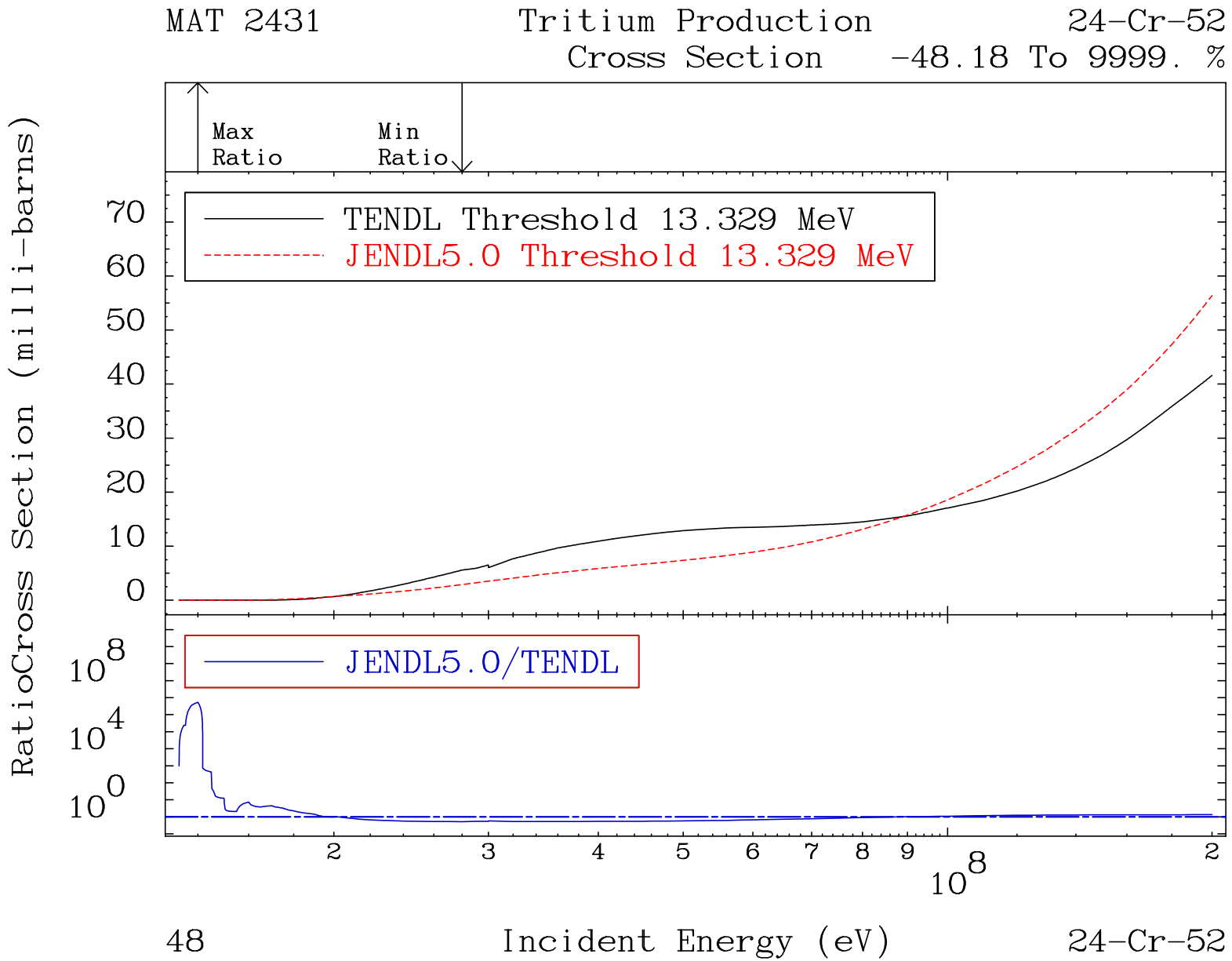

MAT 2431
(n,2p)
24-Cr-52
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 12.430 MeV
JENDL5.0 Threshold 12.433 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.2
0.8
0.4
0.0
2
3
4
5
6
7
8
9
10^8
2
43
Incident Energy (eV)
24-Cr-52

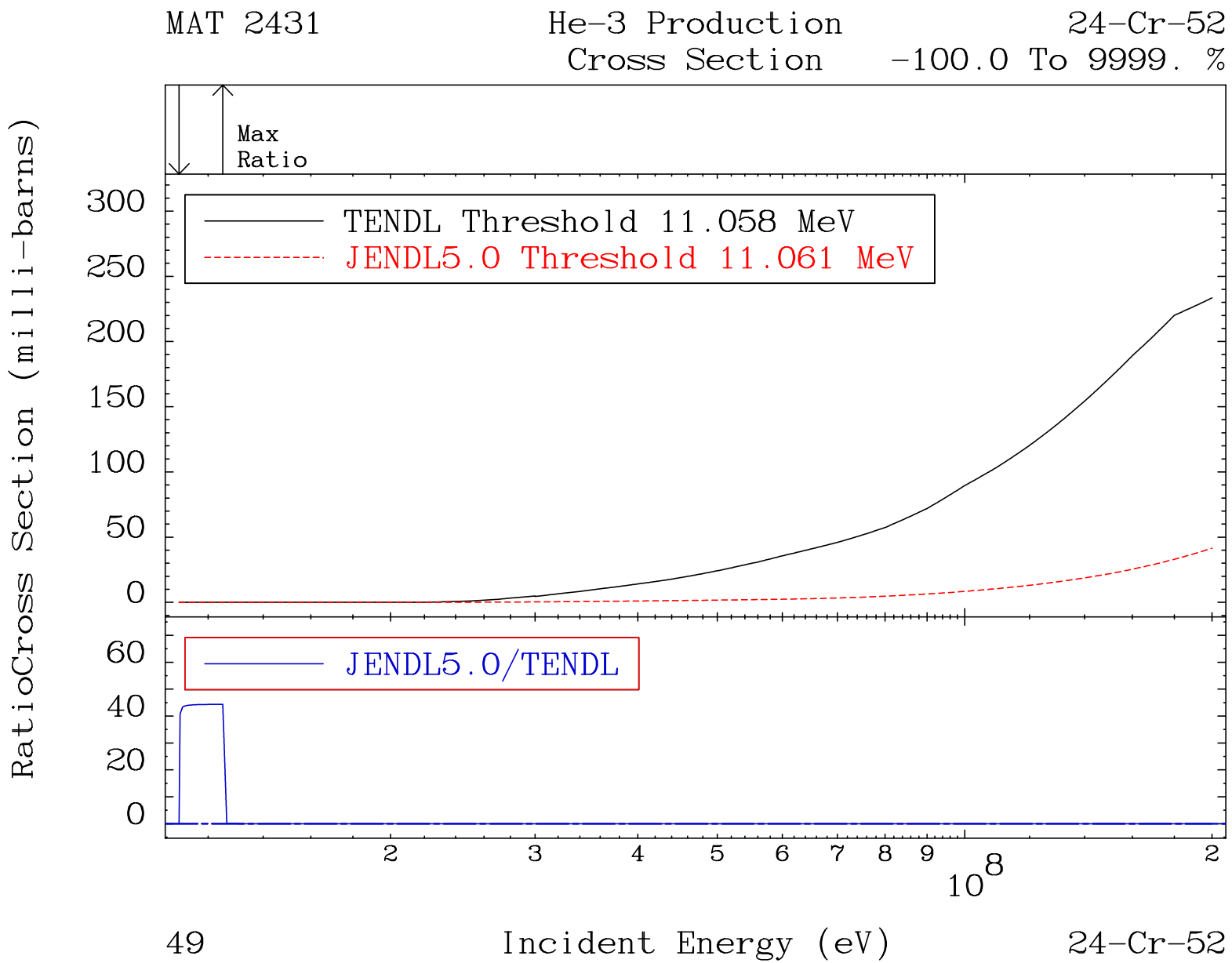

MAT 2431
(n,p) α
24-Cr-52
Cross Section
-100.0 To 3702. %
Min Ratio
Max Ratio
TENDL Threshold 12.802 MeV
JENDL5.0 Threshold 12.807 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
40
20
0
2
3
4
5
6
7
8
9
2
10^8
44
Incident Energy (eV)
24-Cr-52

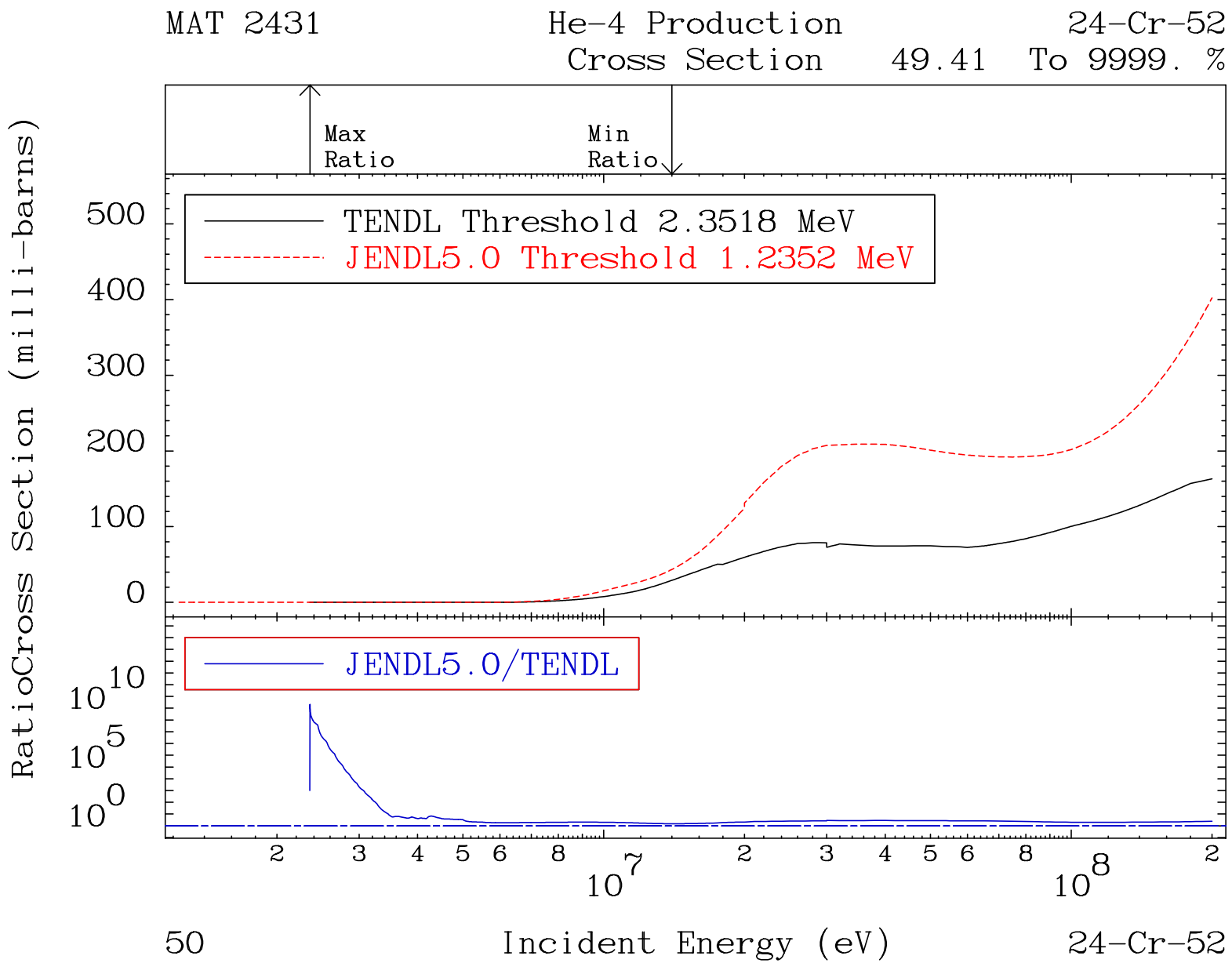

MAT 2431
(n,p) d
Cross Section
24-Cr-52
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 16.658 MeV
JENDL5.0 Threshold 16.661 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
3.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
45
Incident Energy (eV)
24-Cr-52

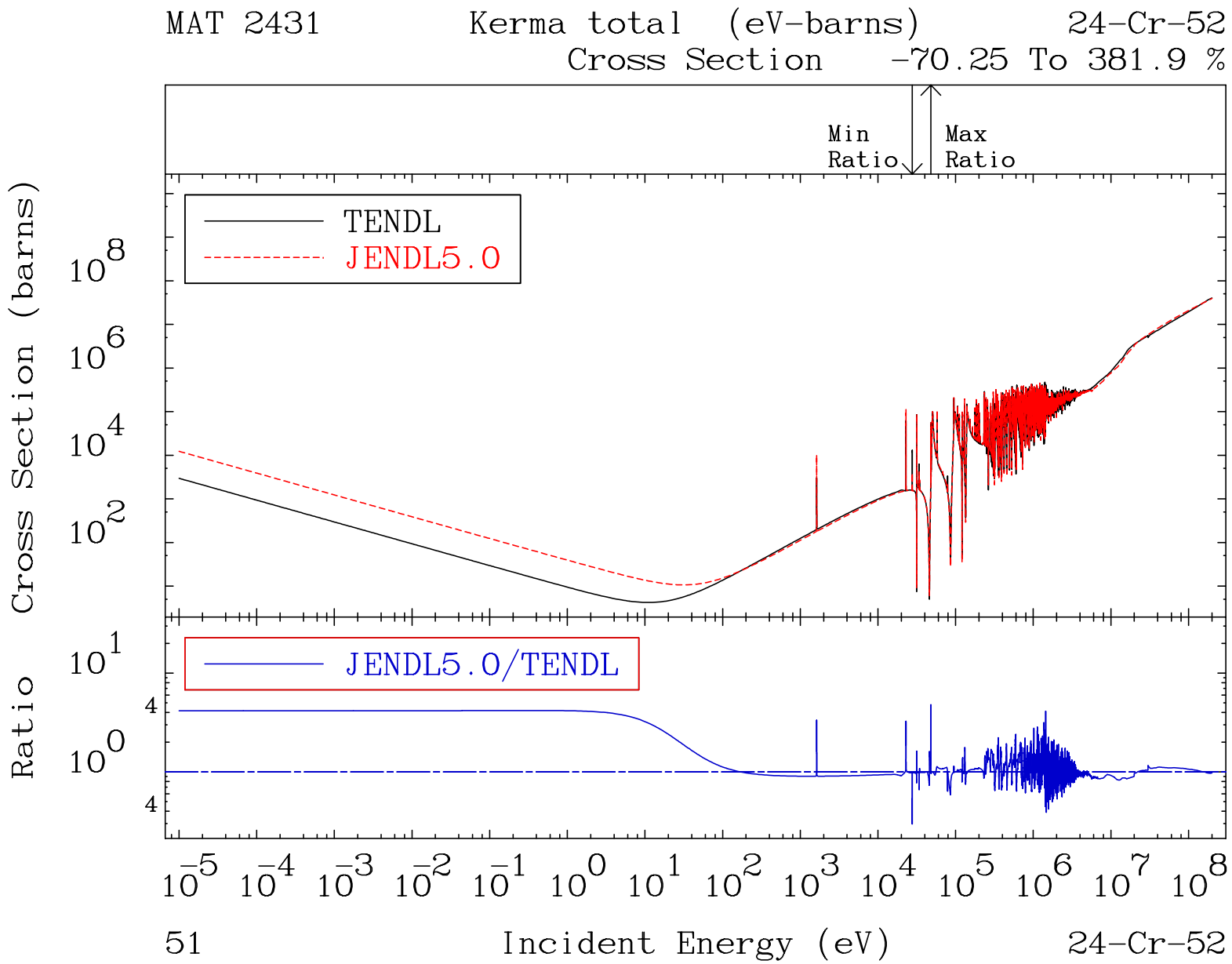

MAT 2431
Hydrogen Production
24-Cr-52
Cross Section
-46.42 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.2562 MeV
JENDL5.0 Threshold 3.2553 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
24-Cr-52

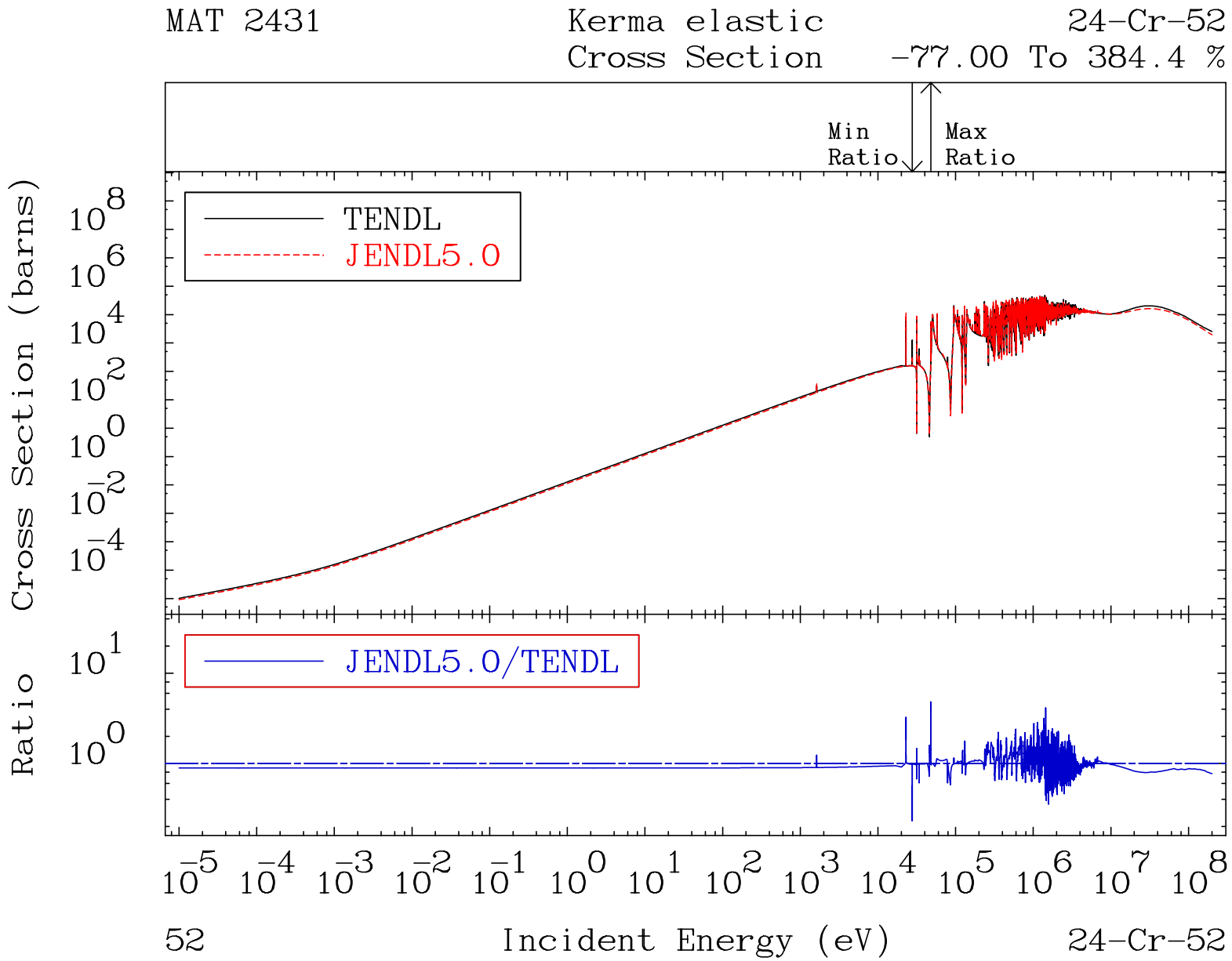

MAT 2431
Deuterium Production
24-Cr-52
Cross Section -34.22 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 8.4416 MeV
JENDL5.0 Threshold 8.4408 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
10^6
10^3
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
47
Incident Energy (eV)
24-Cr-52

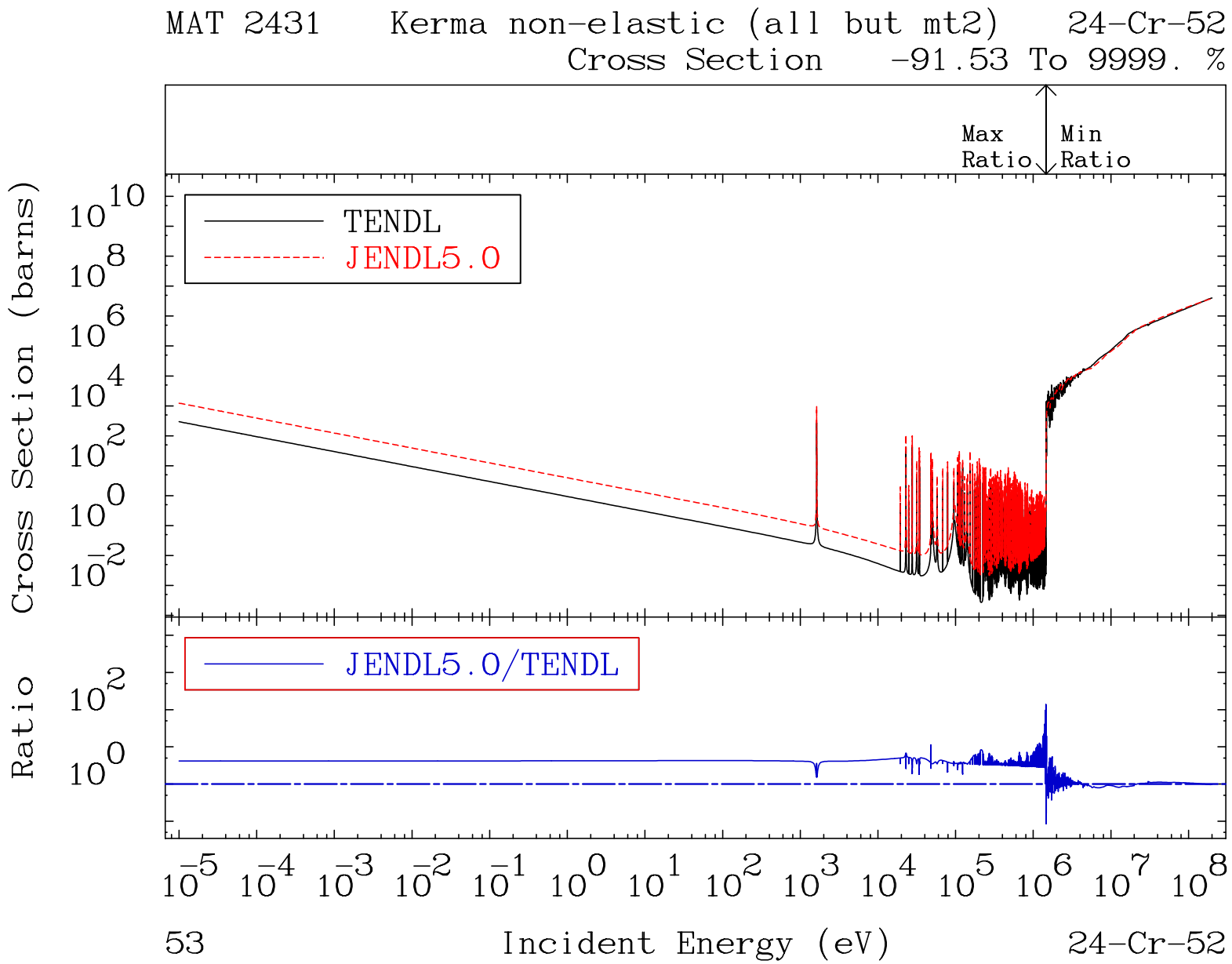

MAT 2431
Tritium Production
24-Cr-52
Cross Section
-48.18 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 13.329 MeV
JENDL5.0 Threshold 13.329 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
10^8
10^4
10^0
2
3
4
5
6
7
8
9
10^8
2
48
Incident Energy (eV)
24-Cr-52

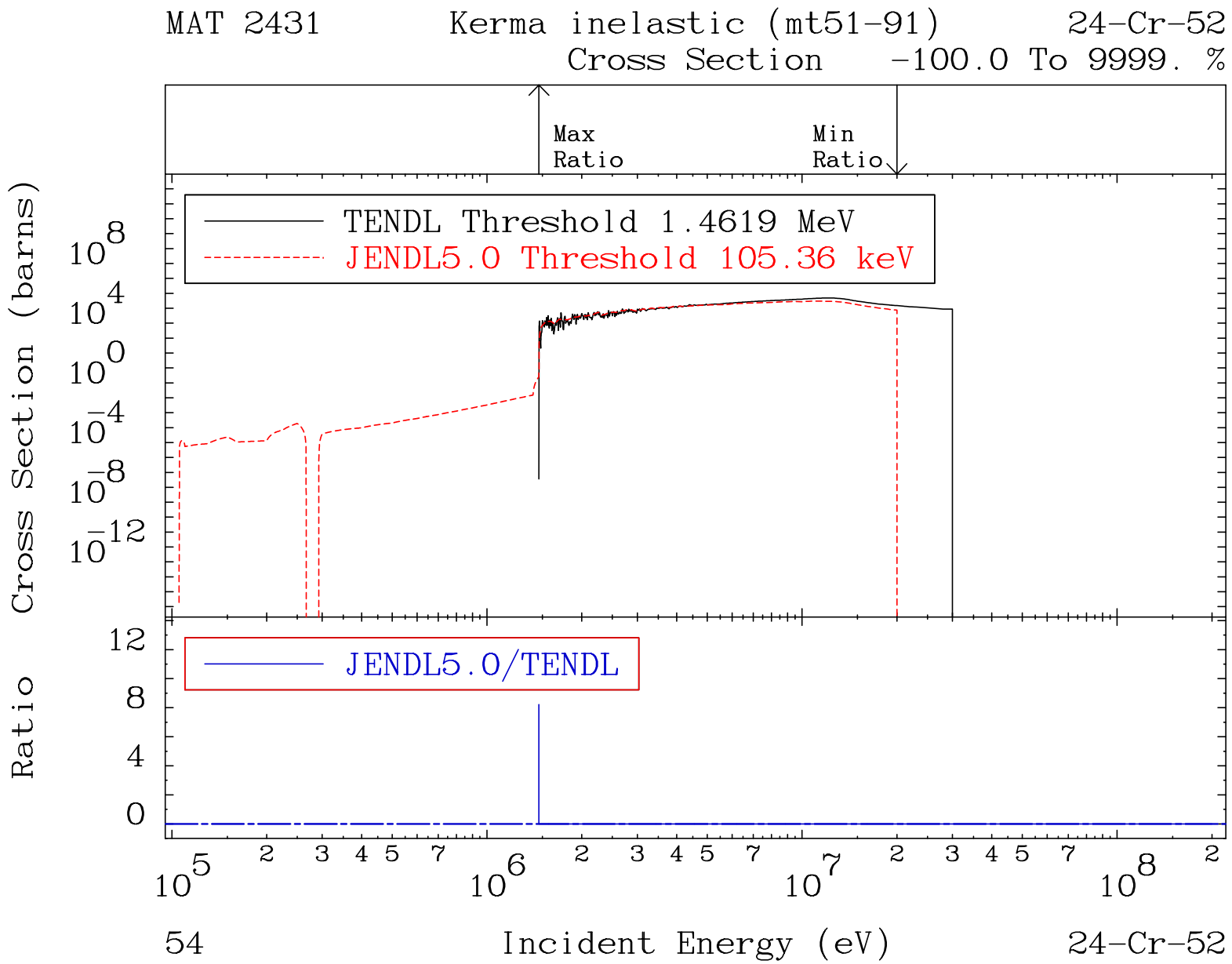

MAT 2431
He-3 Production
Cross Section
24-Cr-52
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 11.058 MeV
JENDL5.0 Threshold 11.061 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
60
40
20
0
2
3
4
5
6
7
8
9
10^8
2
49
Incident Energy (eV)
24-Cr-52

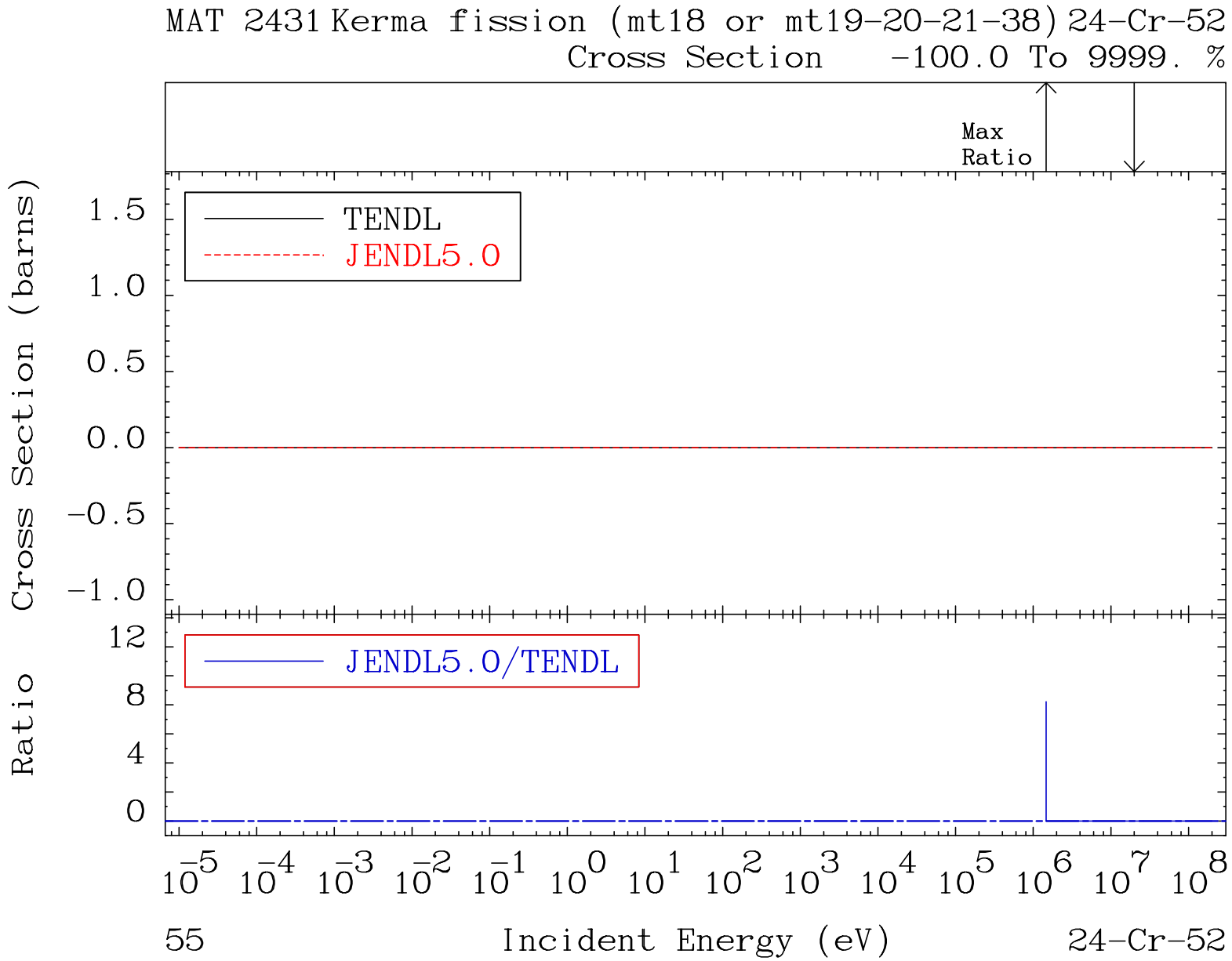

MAT 2431
He-4 Production
Cross Section
24-Cr-52
49.41 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.3518 MeV
JENDL5.0 Threshold 1.2352 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
10^10
10^5
10^0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
50
Incident Energy (eV)
24-Cr-52

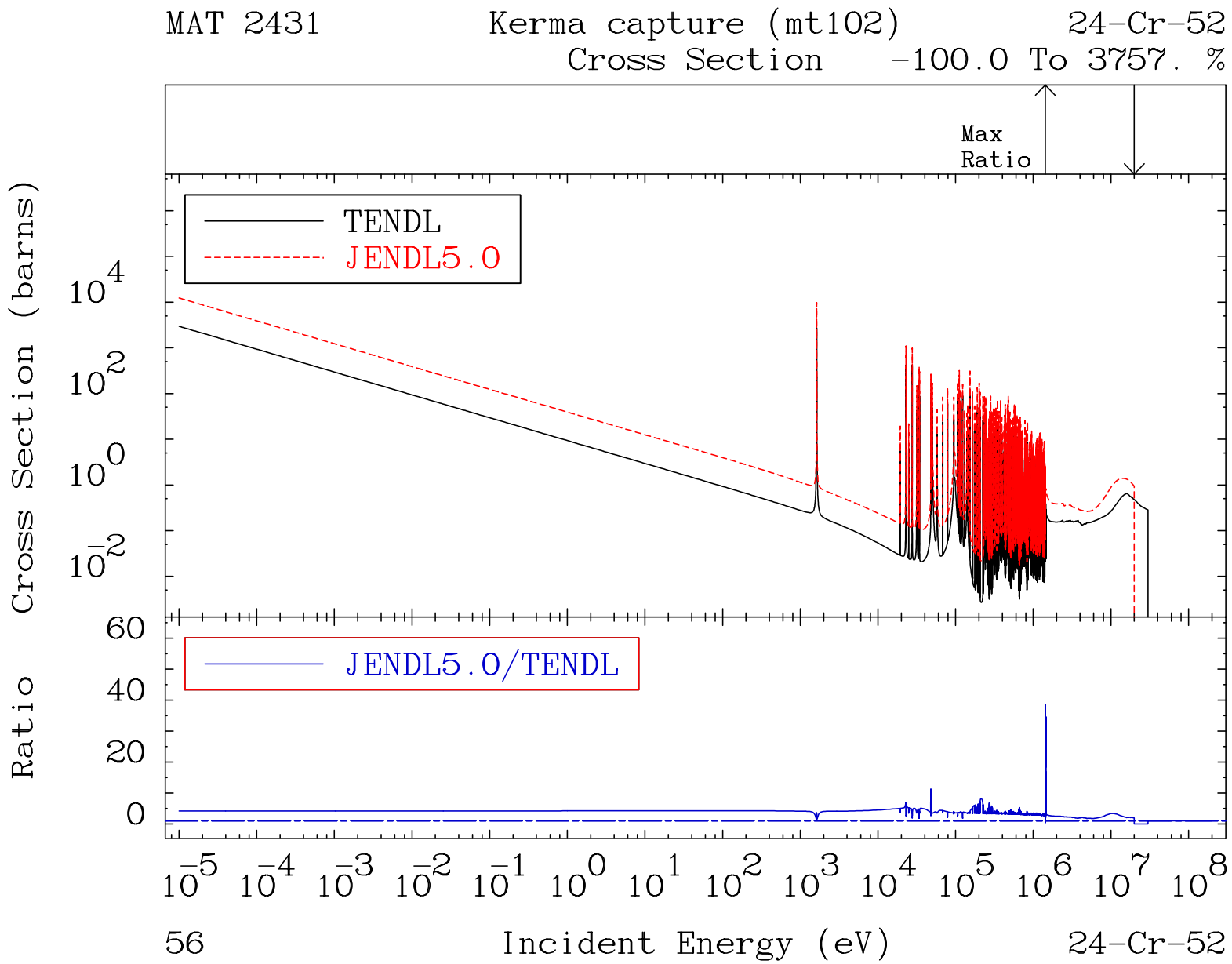

MAT 2431
Kerma total (eV-barns)
24-Cr-52
Cross Section -70.25 To 381.9 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
51
24-Cr-52

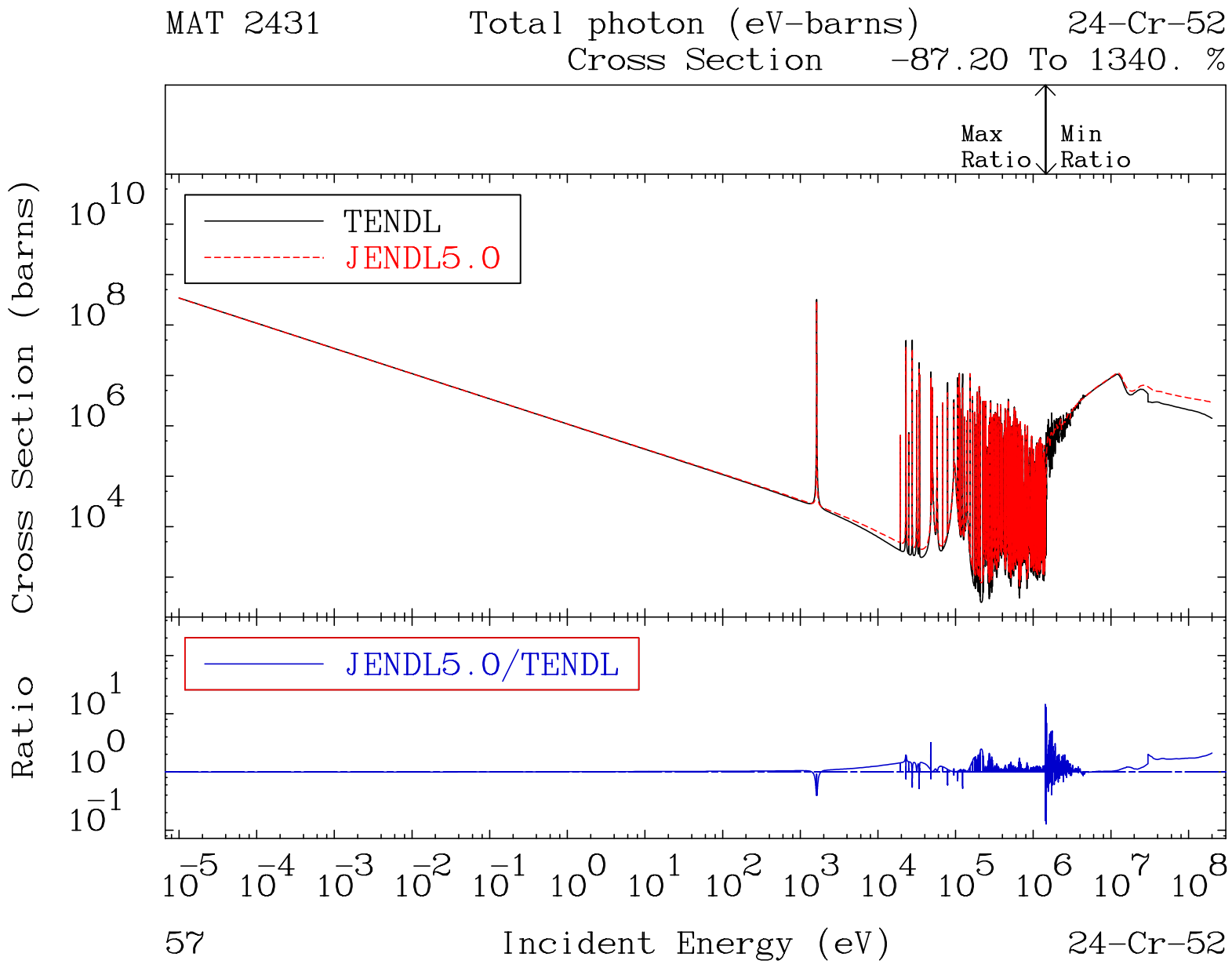

MAT 2431
Kerma elastic
Cross Section
24-Cr-52
-77.00 To 384.4 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
24-Cr-52

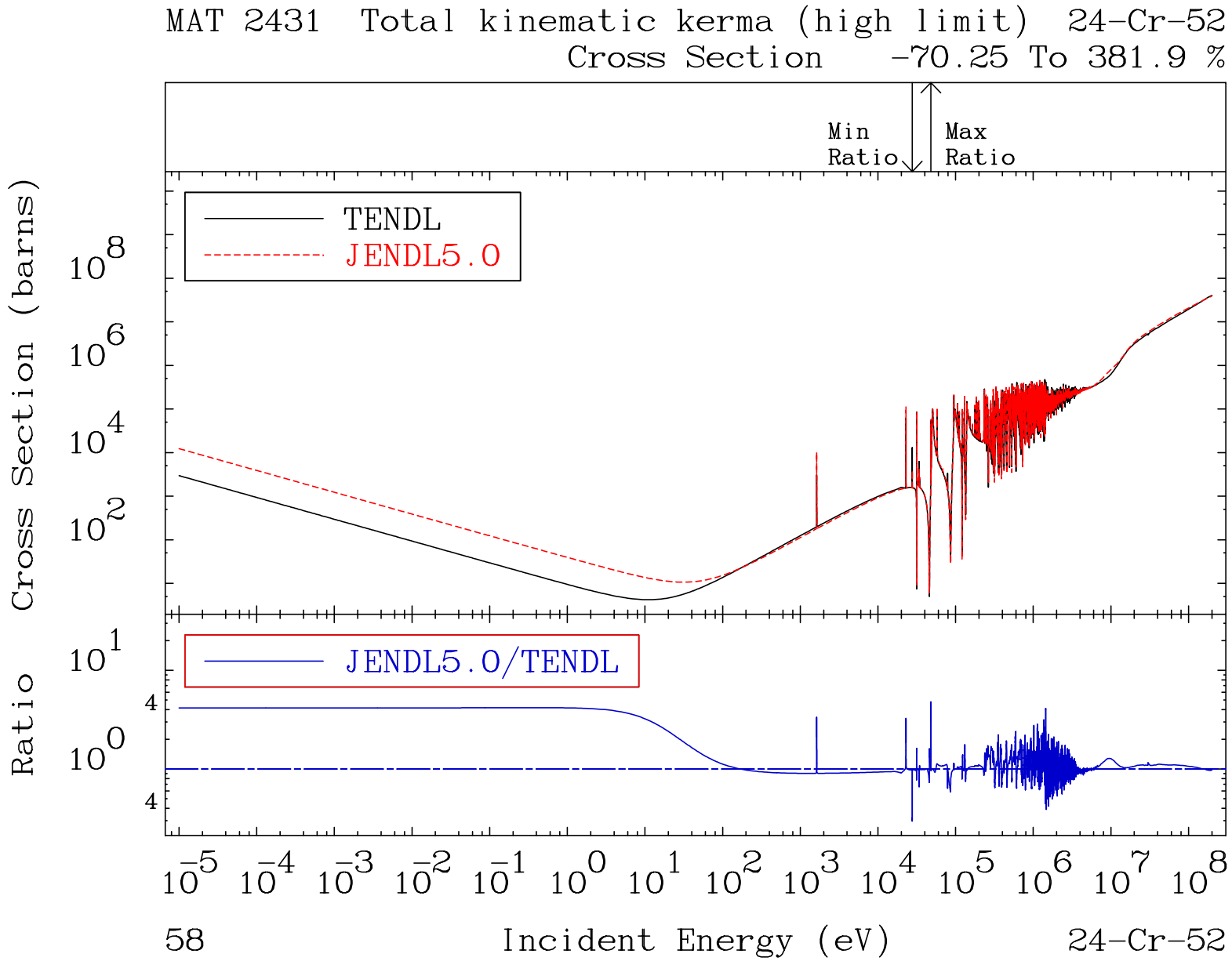

MAT 2431 Kerma non-elastic (all but mt2) 24-Cr-52
Cross Section -91.53 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
24-Cr-52

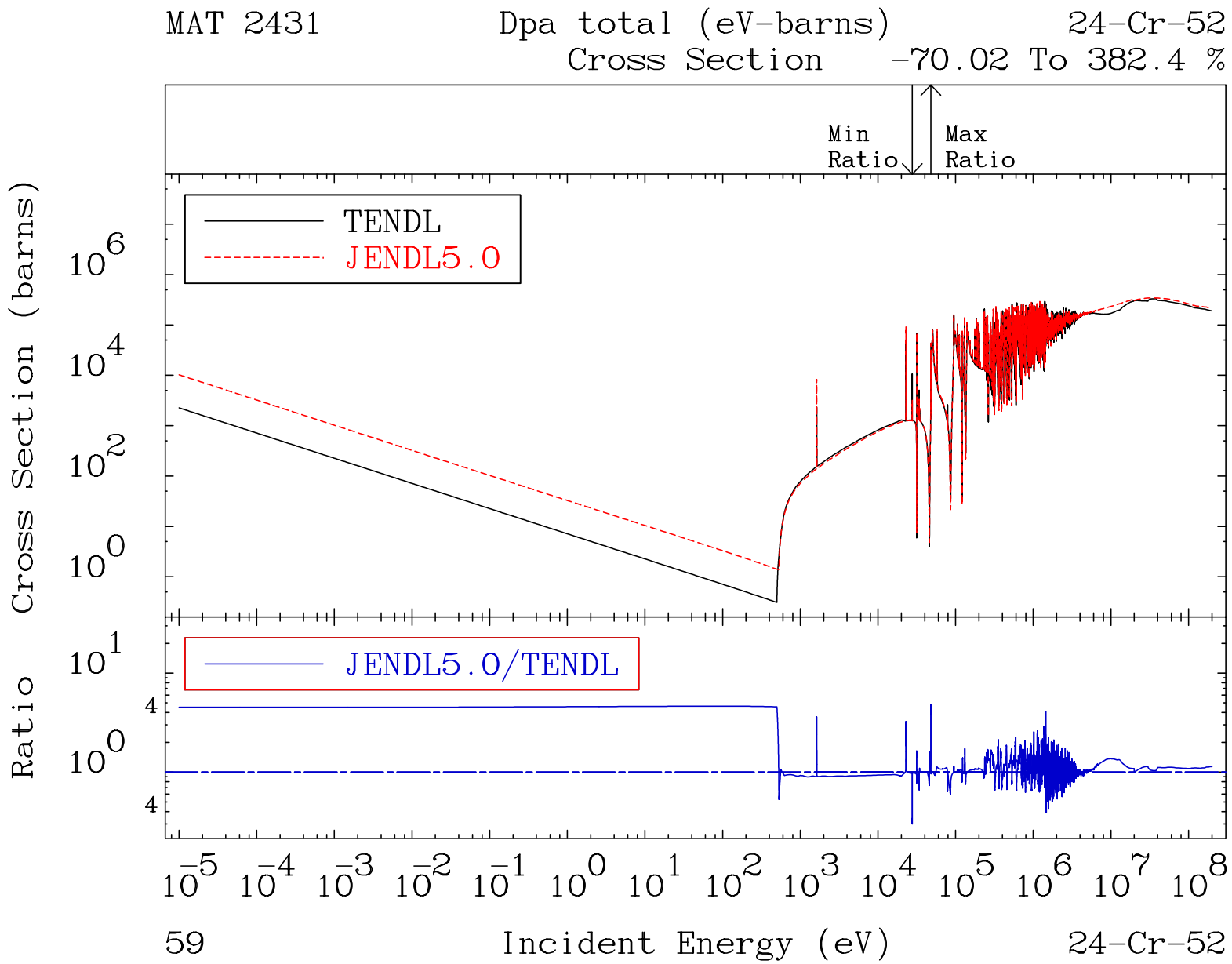

MAT 2431
Kerma inelastic (mt51-91)
24-Cr-52
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.4619 MeV
JENDL5.0 Threshold 105.36 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
24-Cr-52

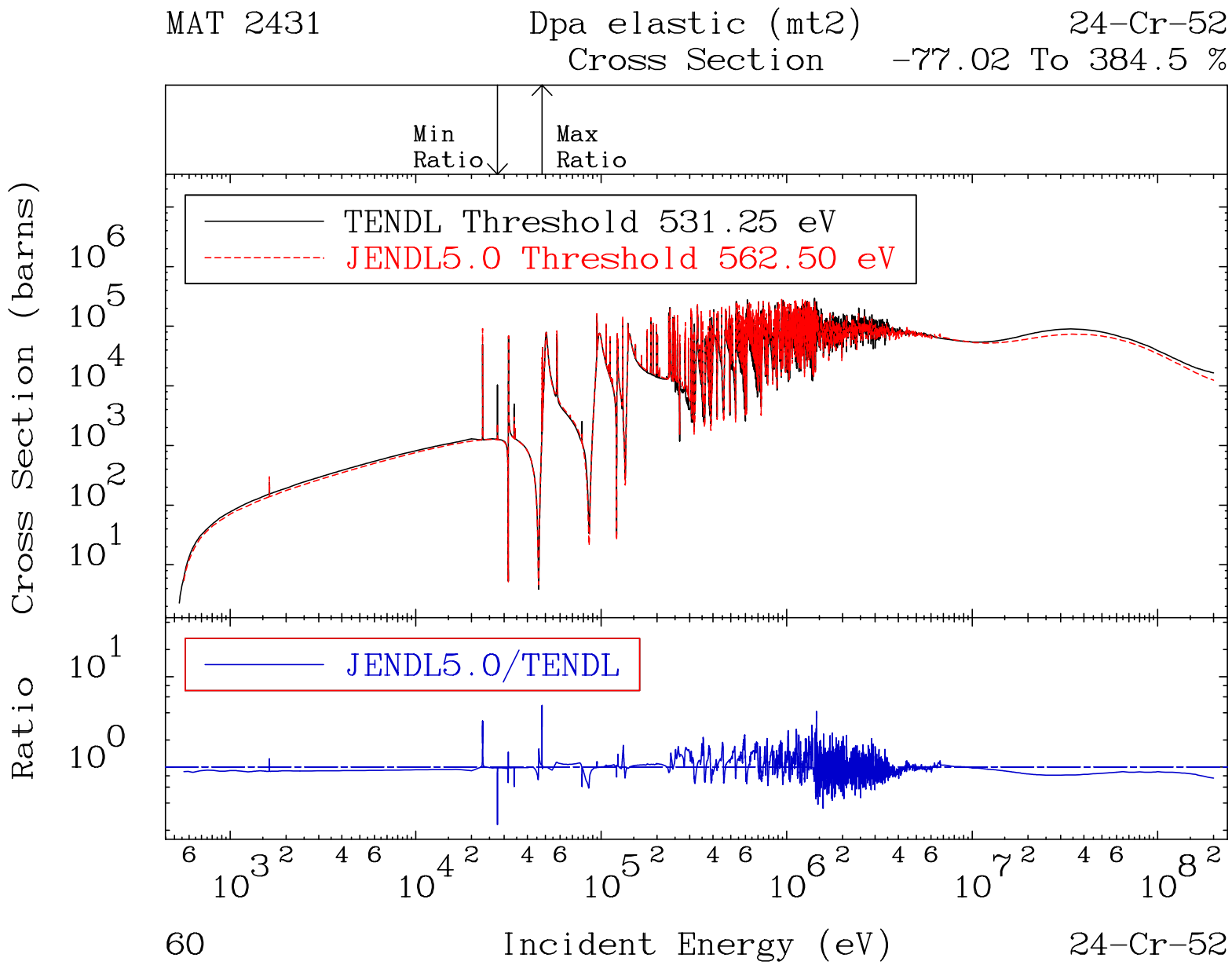

MAT 2431 Kerma fission (mt18 or mt19-20-21-38) 24-Cr-52
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
12
8
4
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
55
Incident Energy (eV)
24-Cr-52

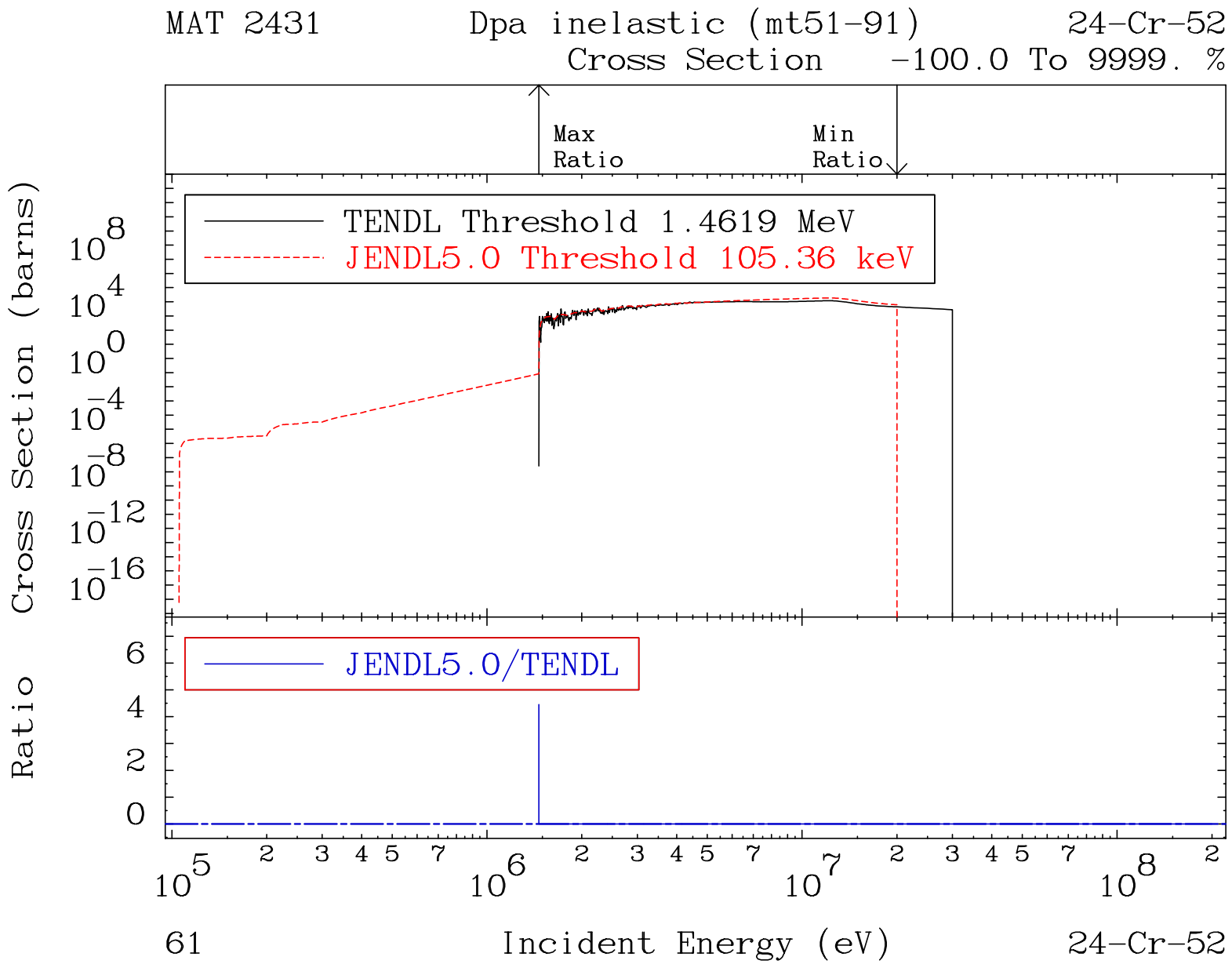

MAT 2431
Kerma capture (mt102)
24-Cr-52
Cross Section -100.0 To 3757. %
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^{4}
10^{2}
10^{0}
10^{-2}
JENDL5.0/TENDL
Ratio
60
40
20
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
56
Incident Energy (eV)
24-Cr-52

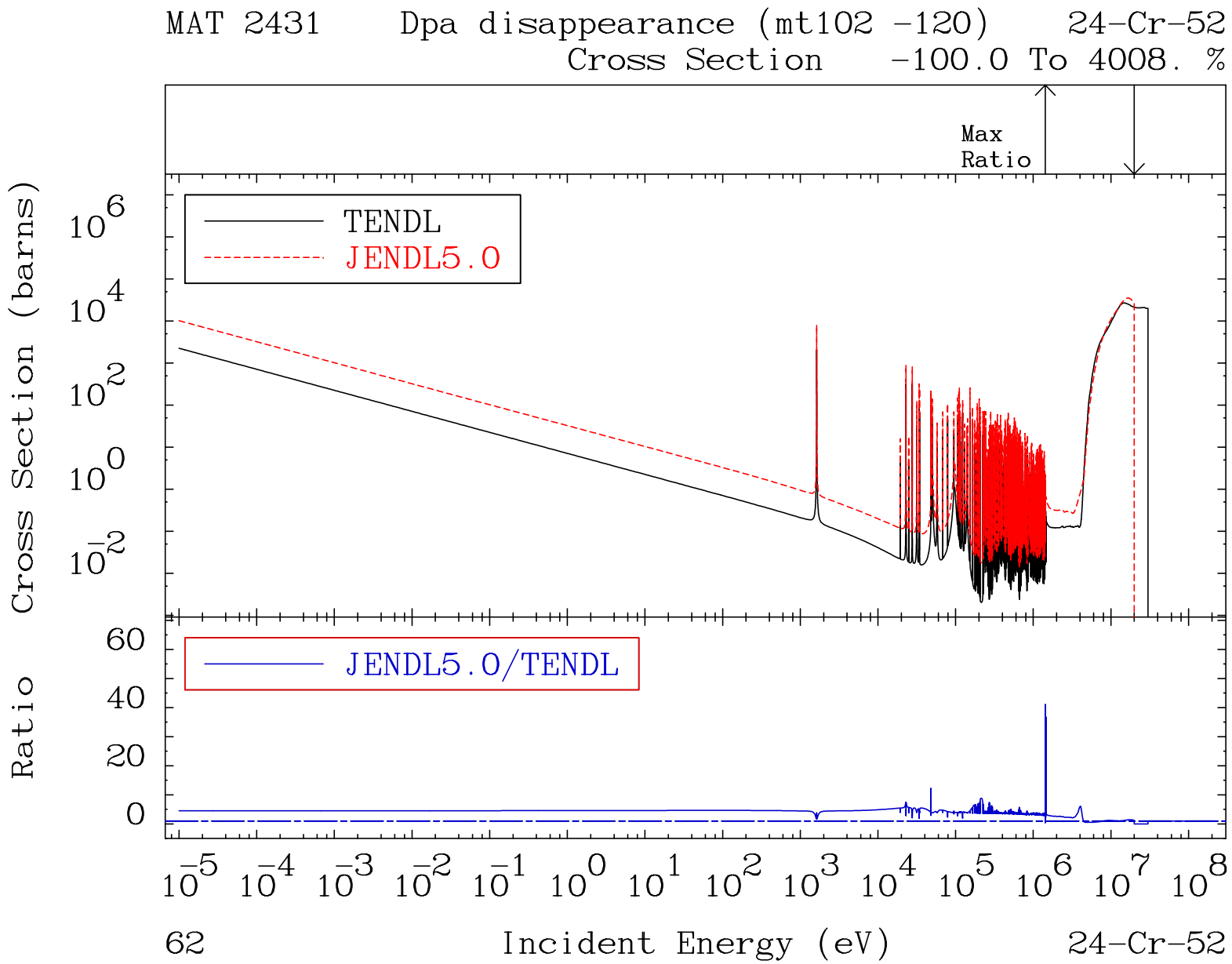

MAT 2431
Total photon (eV-barns)
24-Cr-52
Cross Section -87.20 To 1340. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
24-Cr-52


MAT 2431 Total kinematic kerma (high limit) 24-Cr-52
Cross Section -70.25 To 381.9 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
24-Cr-52


MAT 2431
Dpa total (eV-barns)
24-Cr-52
Cross Section
-70.02 To 382.4 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
24-Cr-52


MAT 2431
Dpa elastic (mt2)
Cross Section
24-Cr-52
-77.02 To 384.5 %
Min Ratio
Max Ratio
TENDL Threshold 531.25 eV
JENDL5.0 Threshold 562.50 eV
JENDL5.0/TENDL
Cross Section (barns)
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 105.36 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 4008. %
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
62
24-Cr-52