Program Complot
(Version 2018-1)
by
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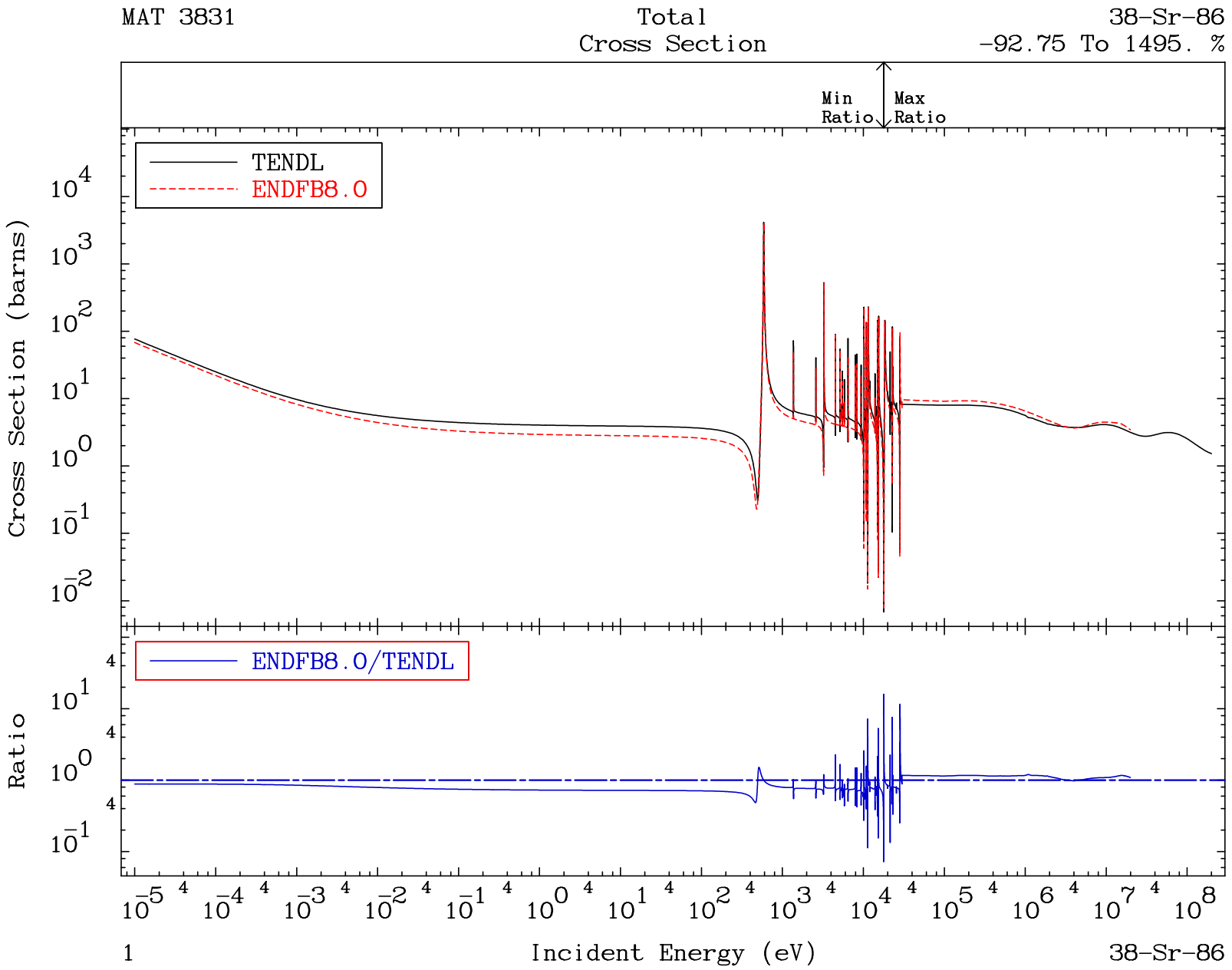
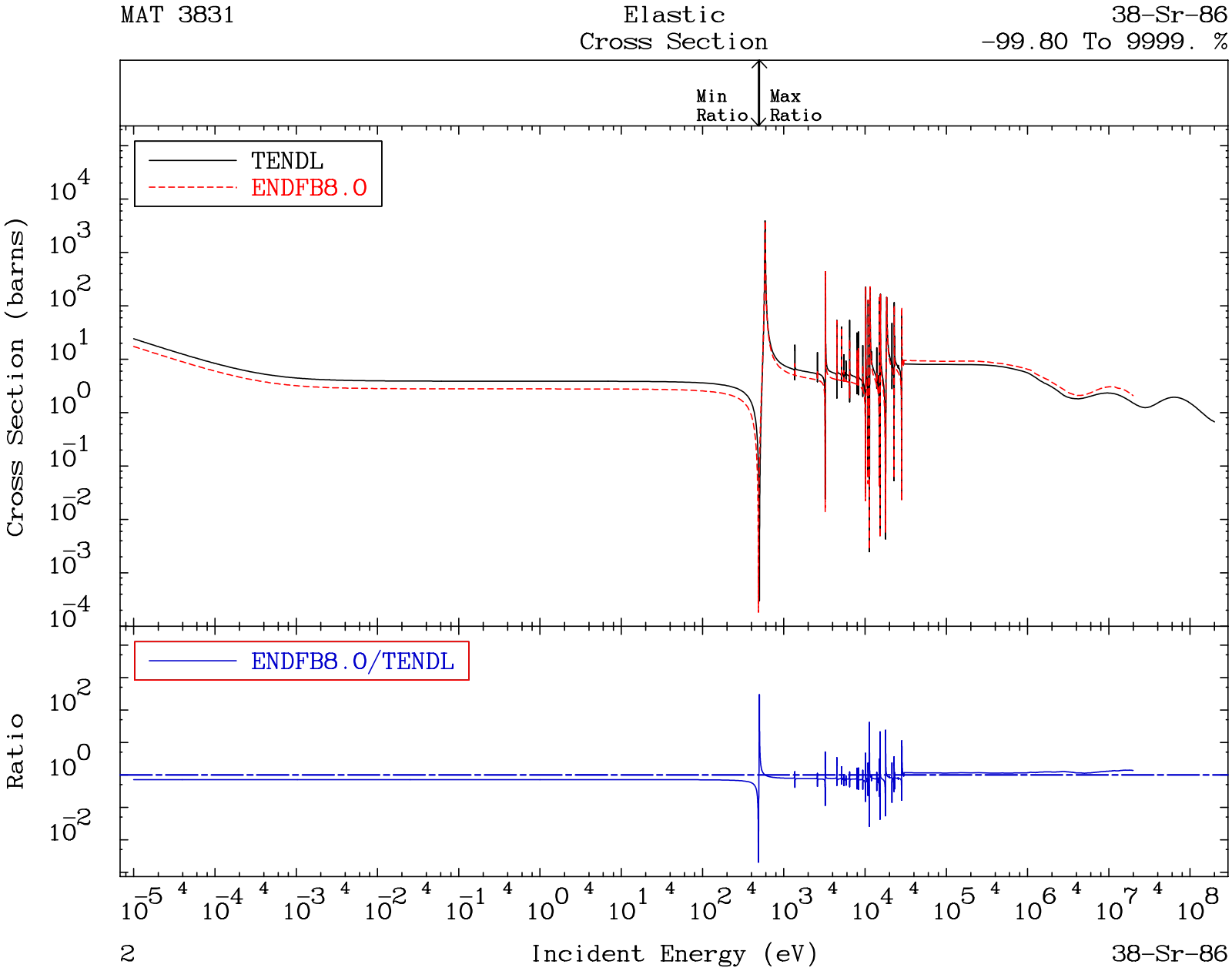
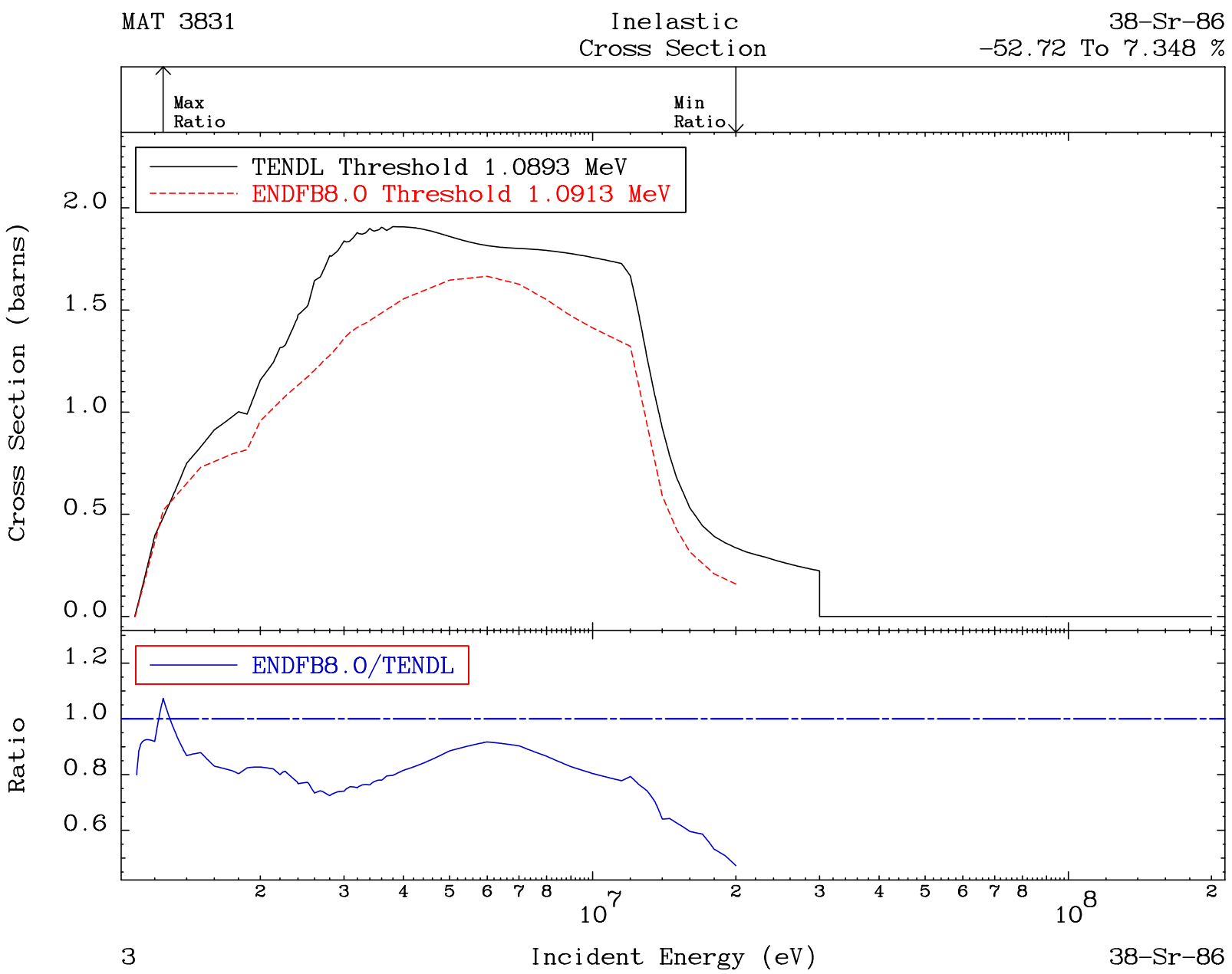
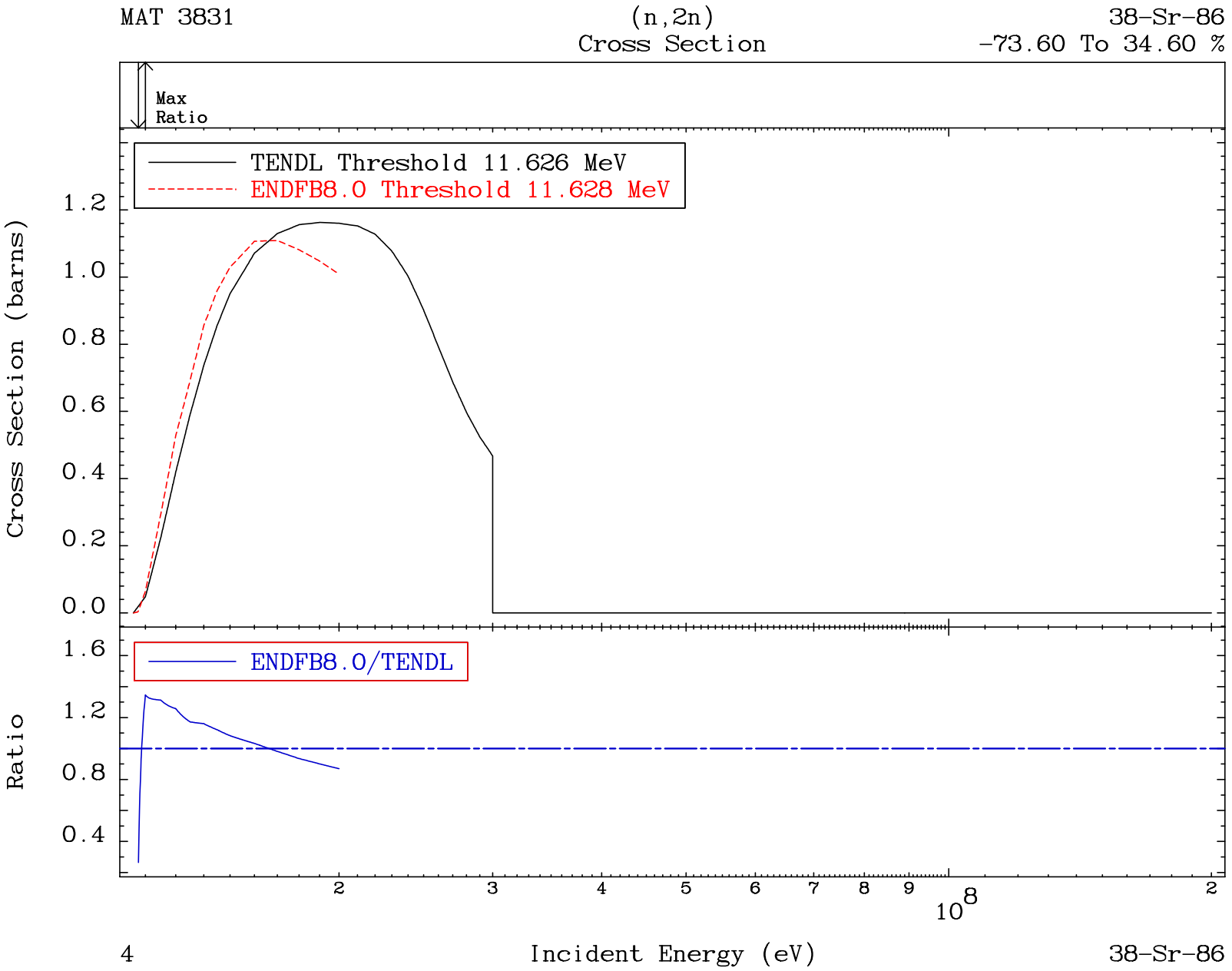
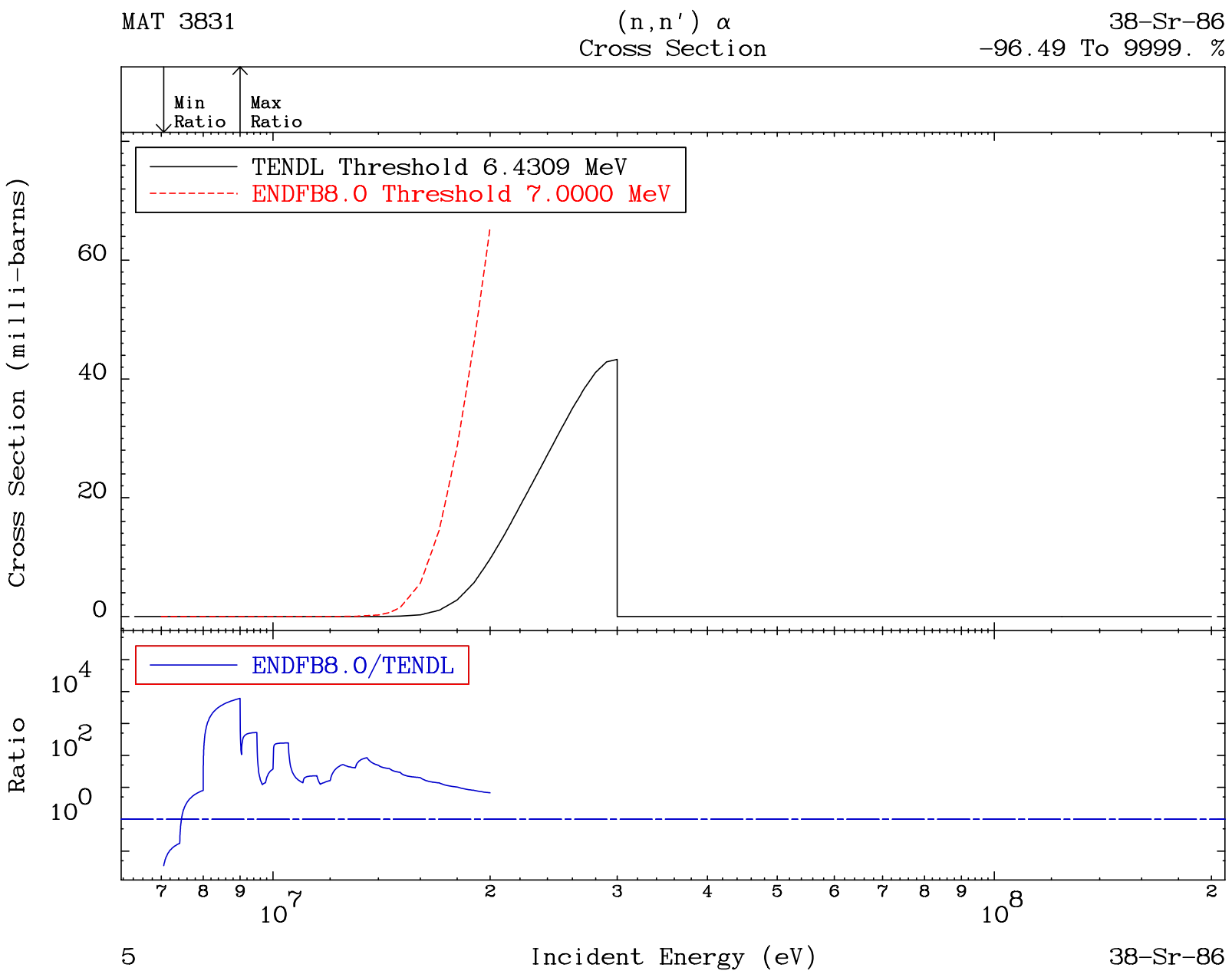
Press Mouse Button to Start

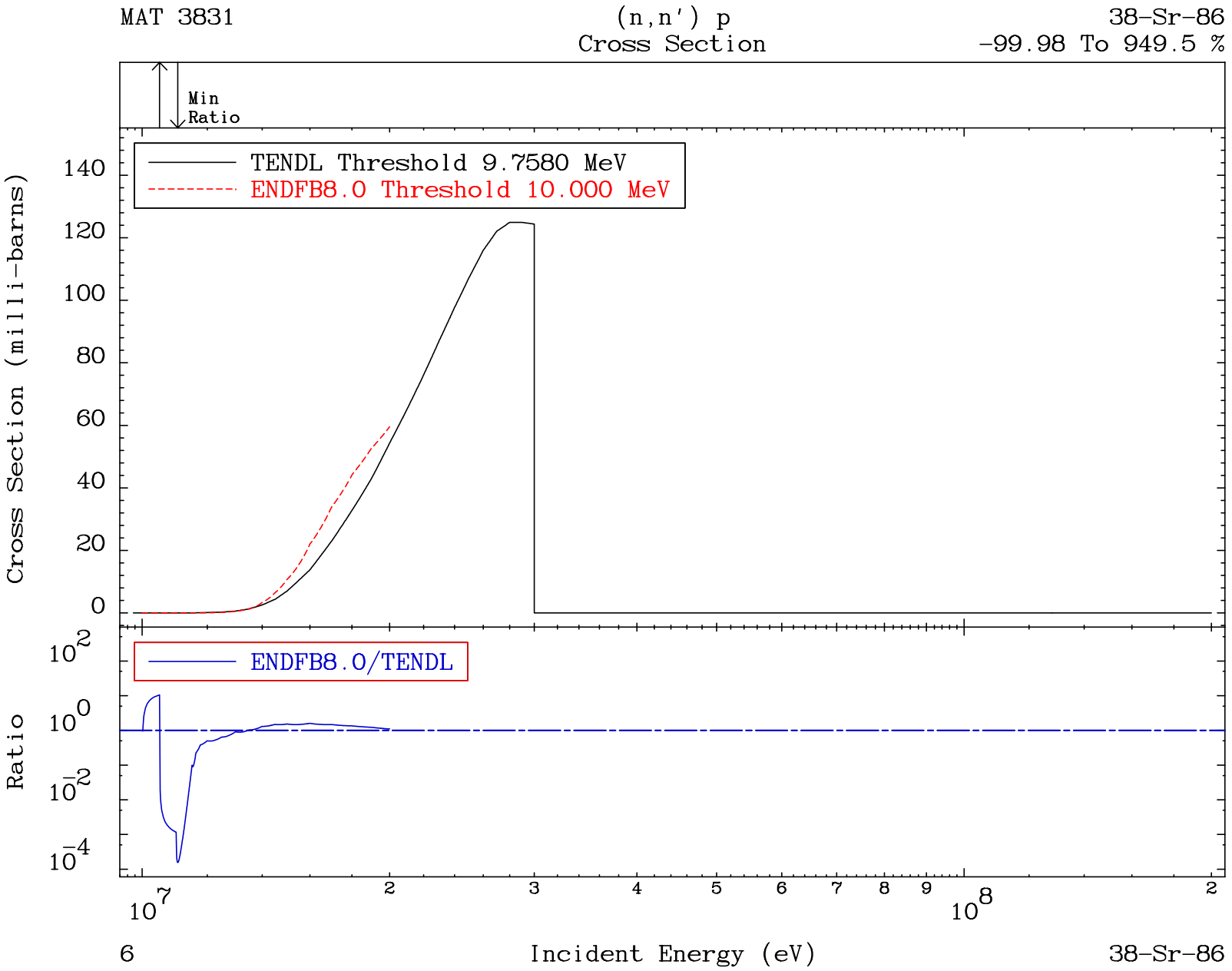

MAT 3831
Total
Cross Section
38-Sr-86
-92.75 To 1495. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
38-Sr-86
1

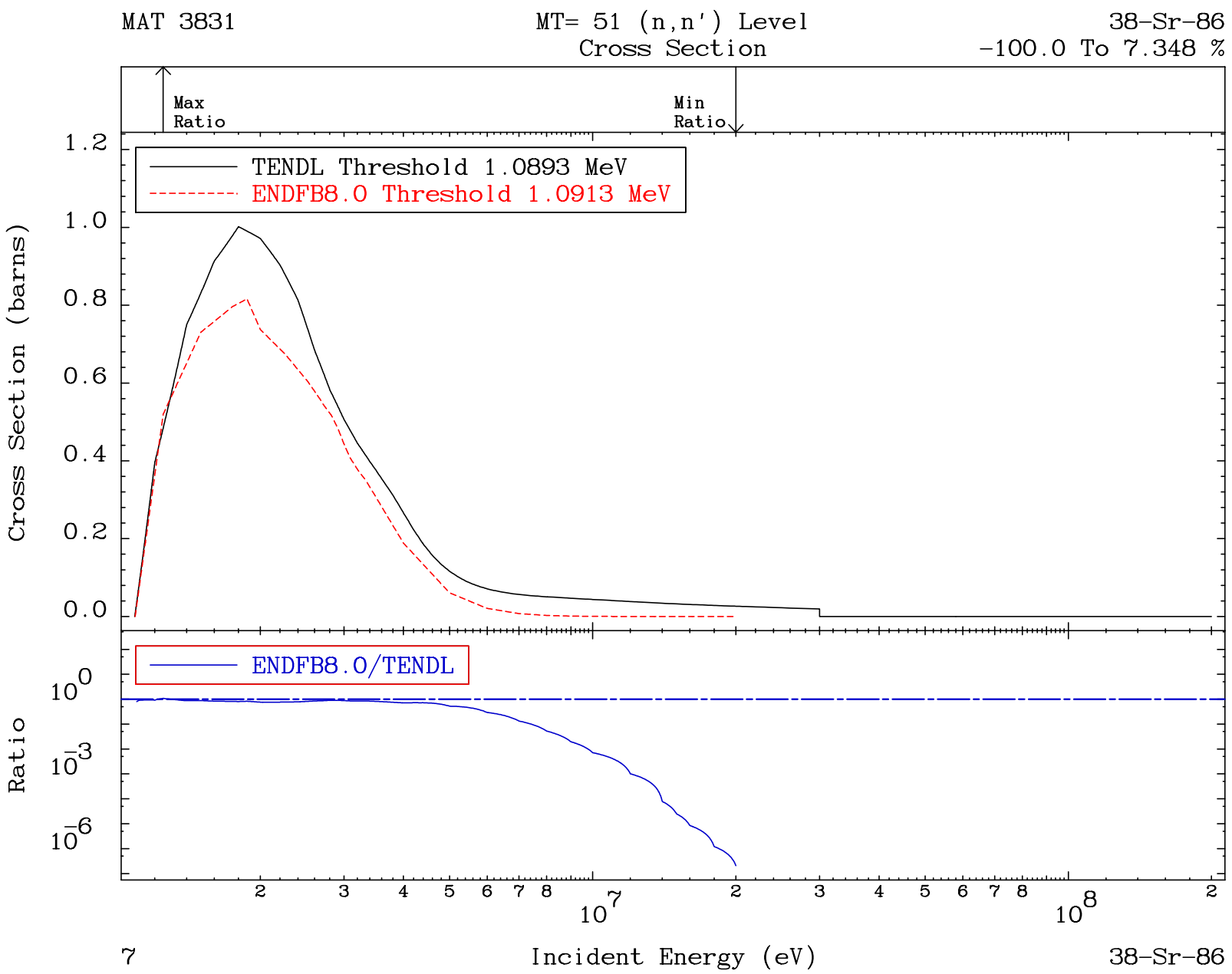

MAT 3831
Elastic
Cross Section
38-Sr-86
-99.80 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
2
38-Sr-86

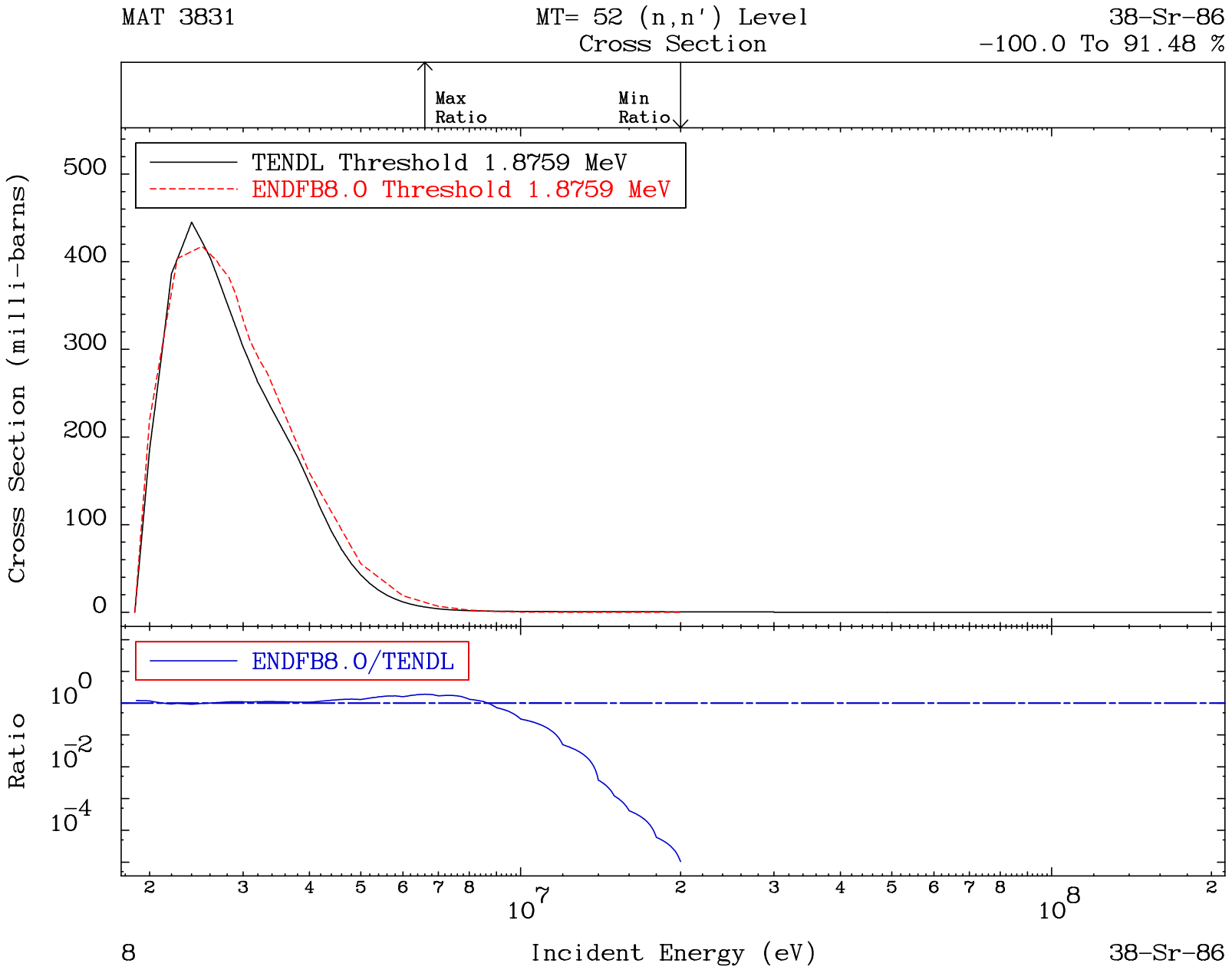

MAT 3831
Inelastic
Cross Section
38-Sr-86
-52.72 To 7.348 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.0893 MeV
ENDFB8.0 Threshold 1.0913 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
1.2
1.0
0.8
0.6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
3
Incident Energy (eV)
38-Sr-86

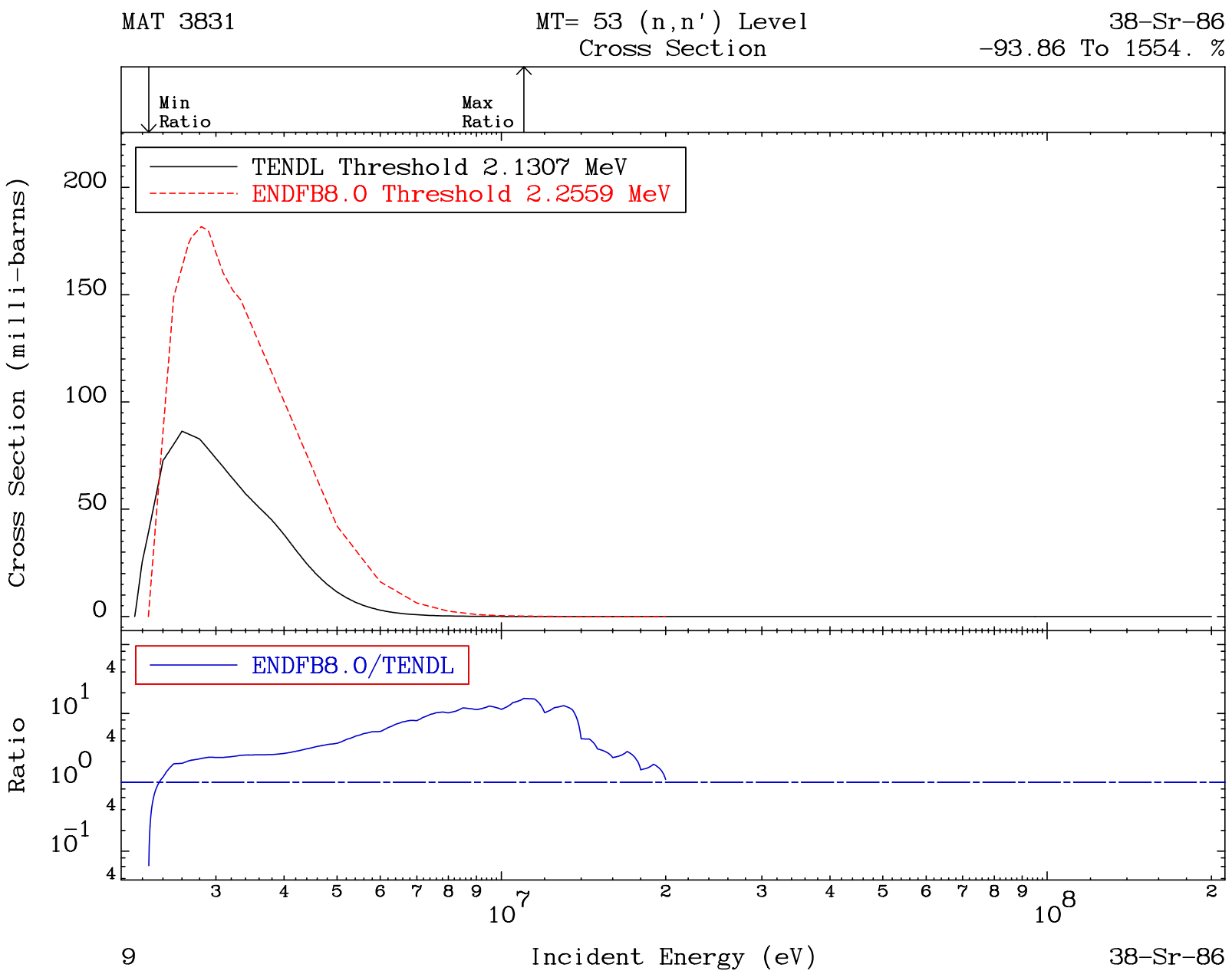

MAT 3831
(n,2n)
Cross Section
38-Sr-86
-73.60 To 34.60 %
Max
Ratio
TENDL Threshold 11.626 MeV
ENDFB8.0 Threshold 11.628 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
ENDFB8.0/TENDL
Ratio
1.6
1.2
0.8
0.4
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
38-Sr-86

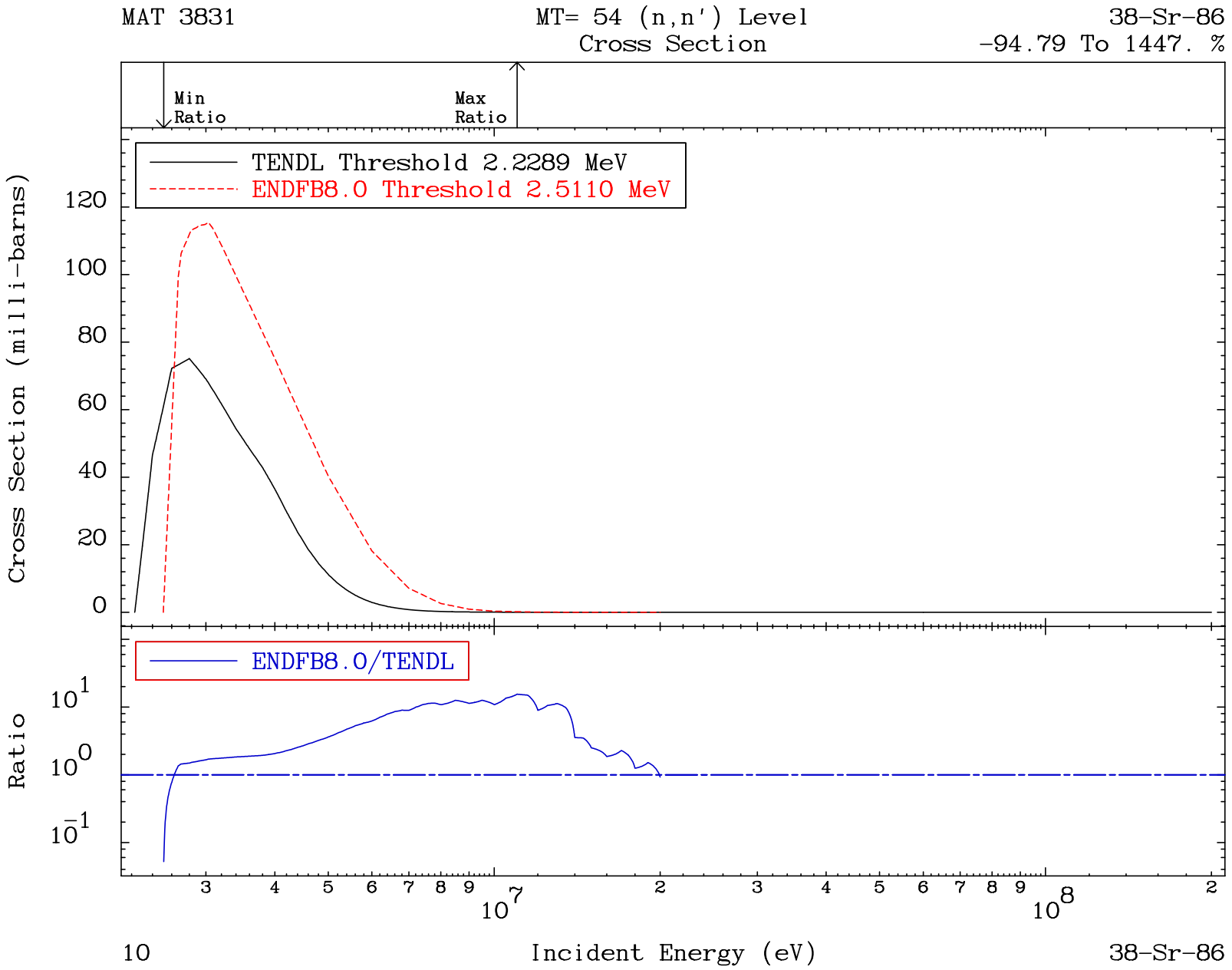

MAT 3831
(n,n') α
Cross Section
38-Sr-86
-96.49 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.4309 MeV
ENDFB8.0 Threshold 7.0000 MeV
Cross Section (milli-barns)
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^4
10^2
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
5
Incident Energy (eV)
38-Sr-86

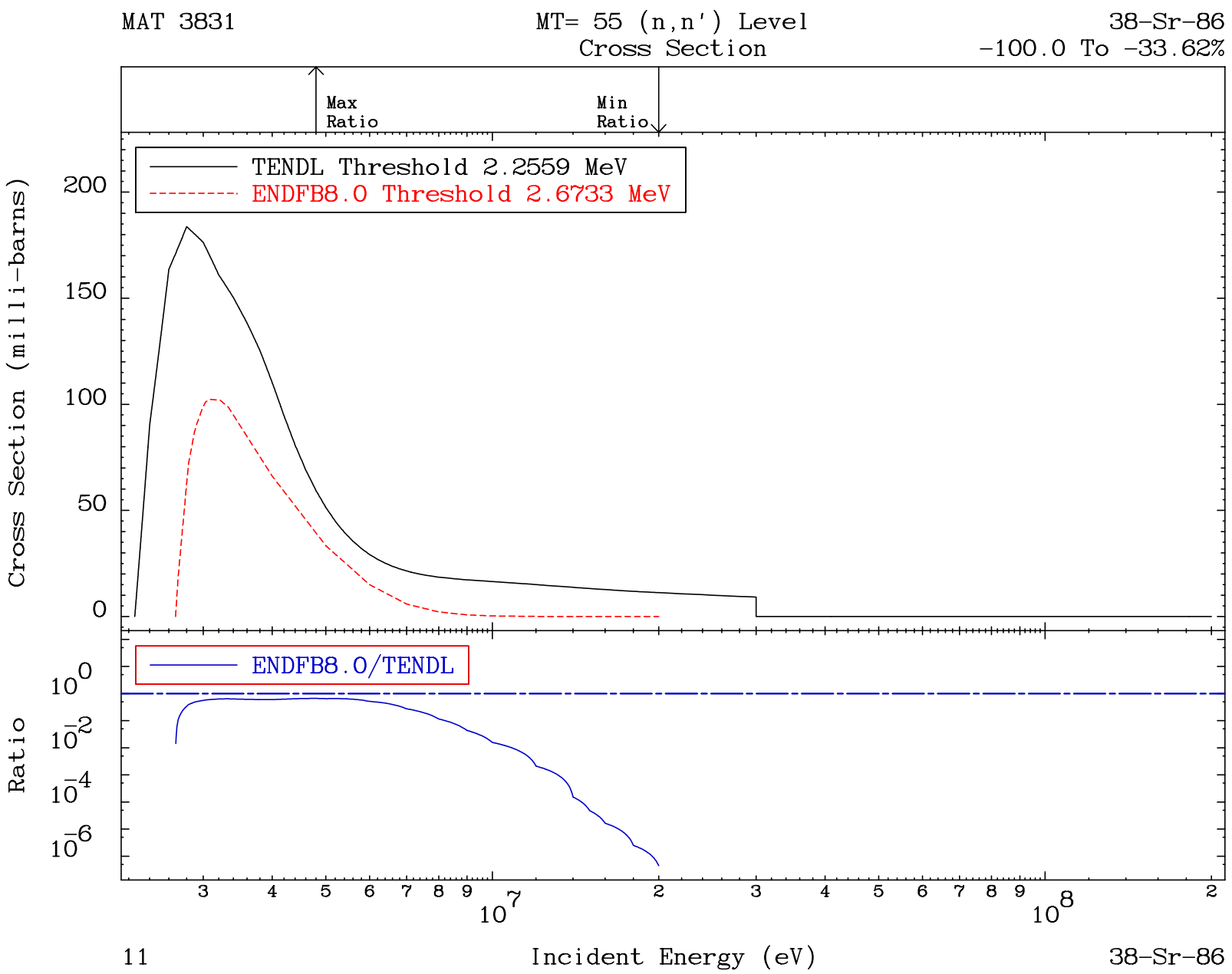

MAT 3831
(n,n') p
Cross Section
38-Sr-86
-99.98 To 949.5 %
Min
Ratio
TENDL Threshold 9.7580 MeV
ENDFB8.0 Threshold 10.000 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^2
10^0
10^-2
10^-4
10^7
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
38-Sr-86

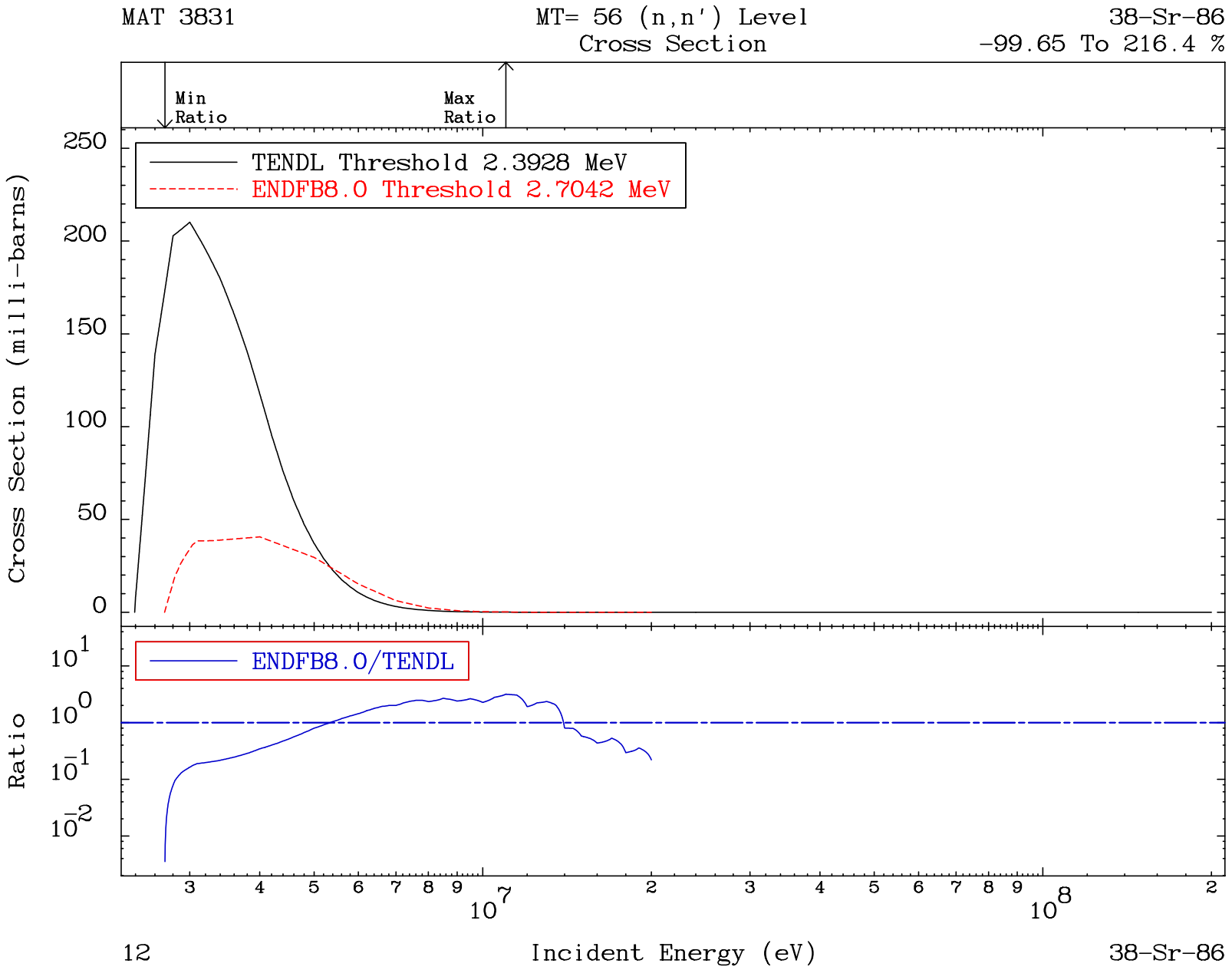

MAT 3831
MT= 51 (n,n') Level
Cross Section
38-Sr-86
-100.0 To 7.348 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.0893 MeV
ENDFB8.0 Threshold 1.0913 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
7
Incident Energy (eV)
38-Sr-86

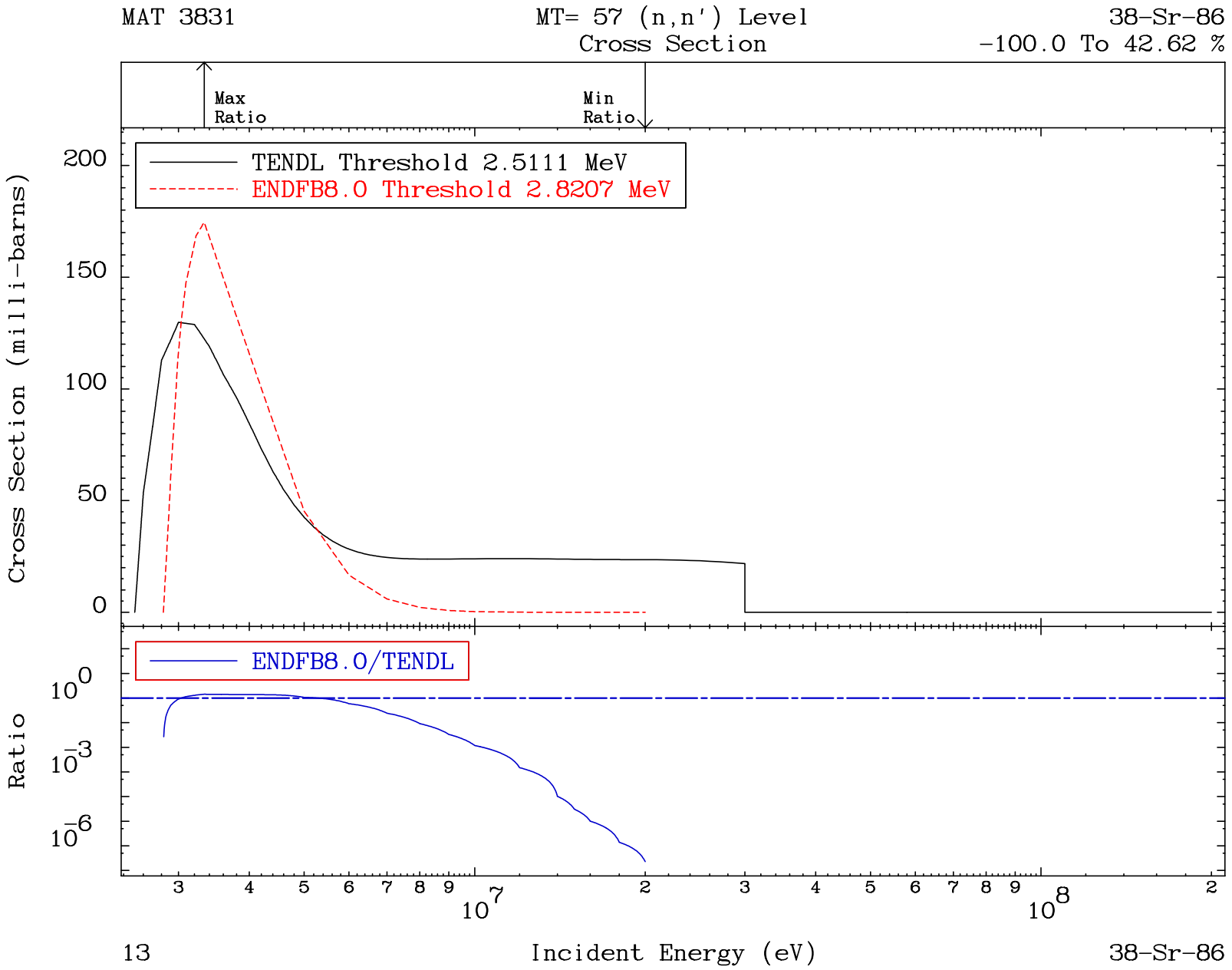

MAT 3831
MT= 52 (n,n') Level
Cross Section
38-Sr-86
-100.0 To 91.48 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.8759 MeV
ENDFB8.0 Threshold 1.8759 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
10^-4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
8
Incident Energy (eV)
38-Sr-86

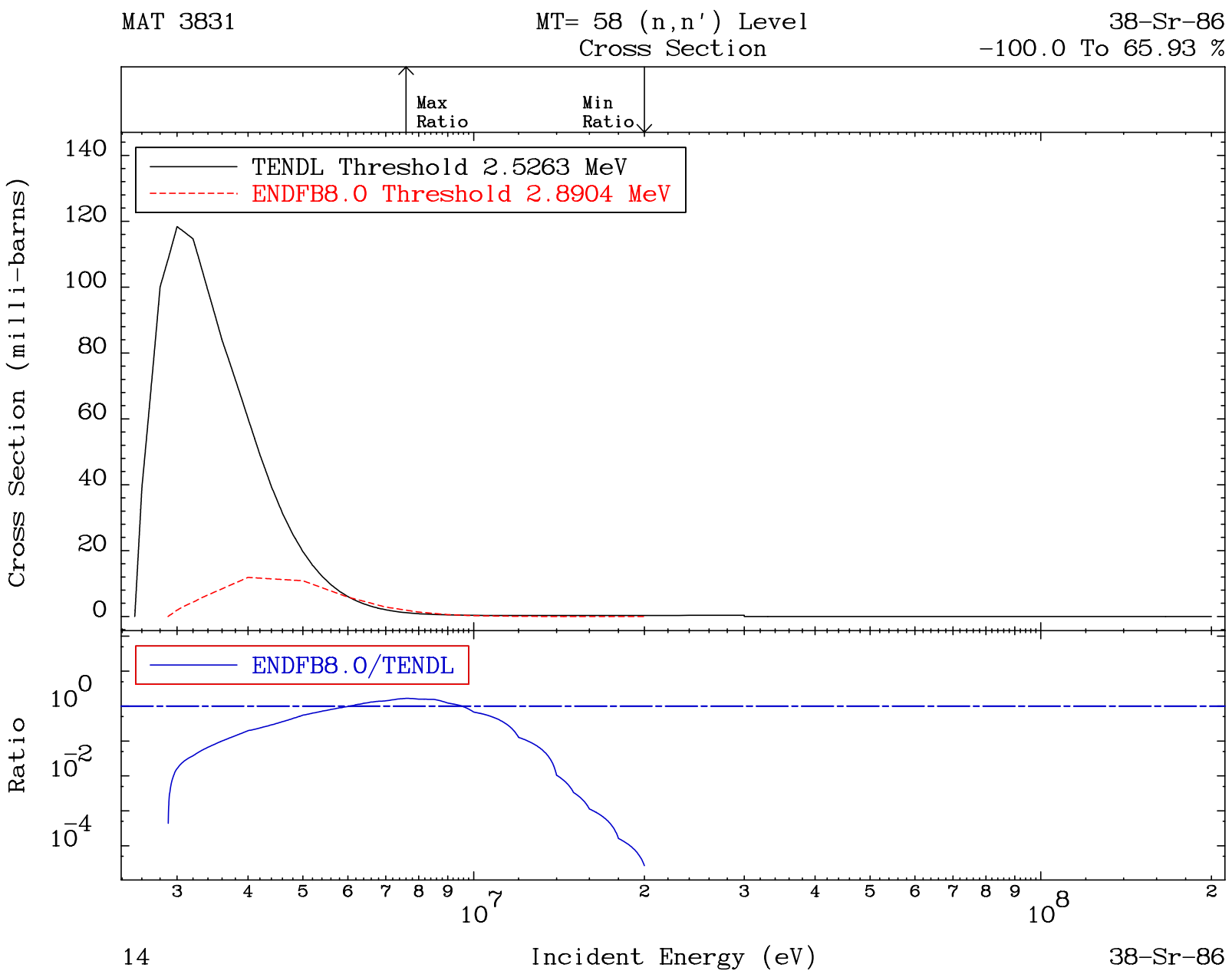

MAT 3831
MT= 53 (n,n') Level
Cross Section
38-Sr-86
-93.86 To 1554. %
Min Ratio
Max Ratio
TENDL Threshold 2.1307 MeV
ENDFB8.0 Threshold 2.2559 MeV
Cross Section (milli-barns)
200
150
100
50
0
ENDFB8.0/TENDL
Ratio
10^1
10^0
10^-1
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
9
Incident Energy (eV)
38-Sr-86

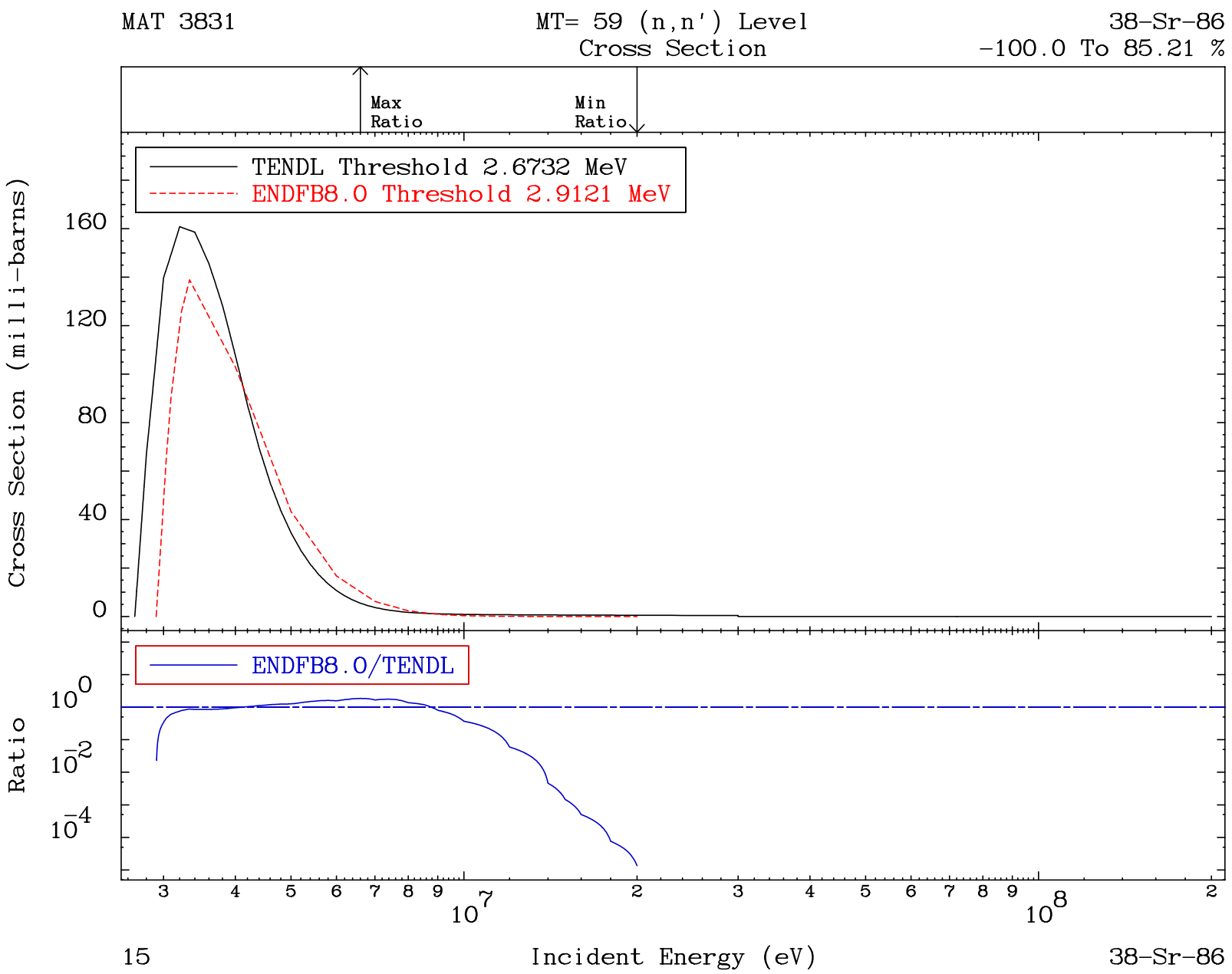

MAT 3831
MT= 54 (n,n') Level
Cross Section
38-Sr-86
-94.79 To 1447. %
Min Ratio
Max Ratio
TENDL Threshold 2.2289 MeV
ENDFB8.0 Threshold 2.5110 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^1
10^0
10^-1
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
10
Incident Energy (eV)
38-Sr-86

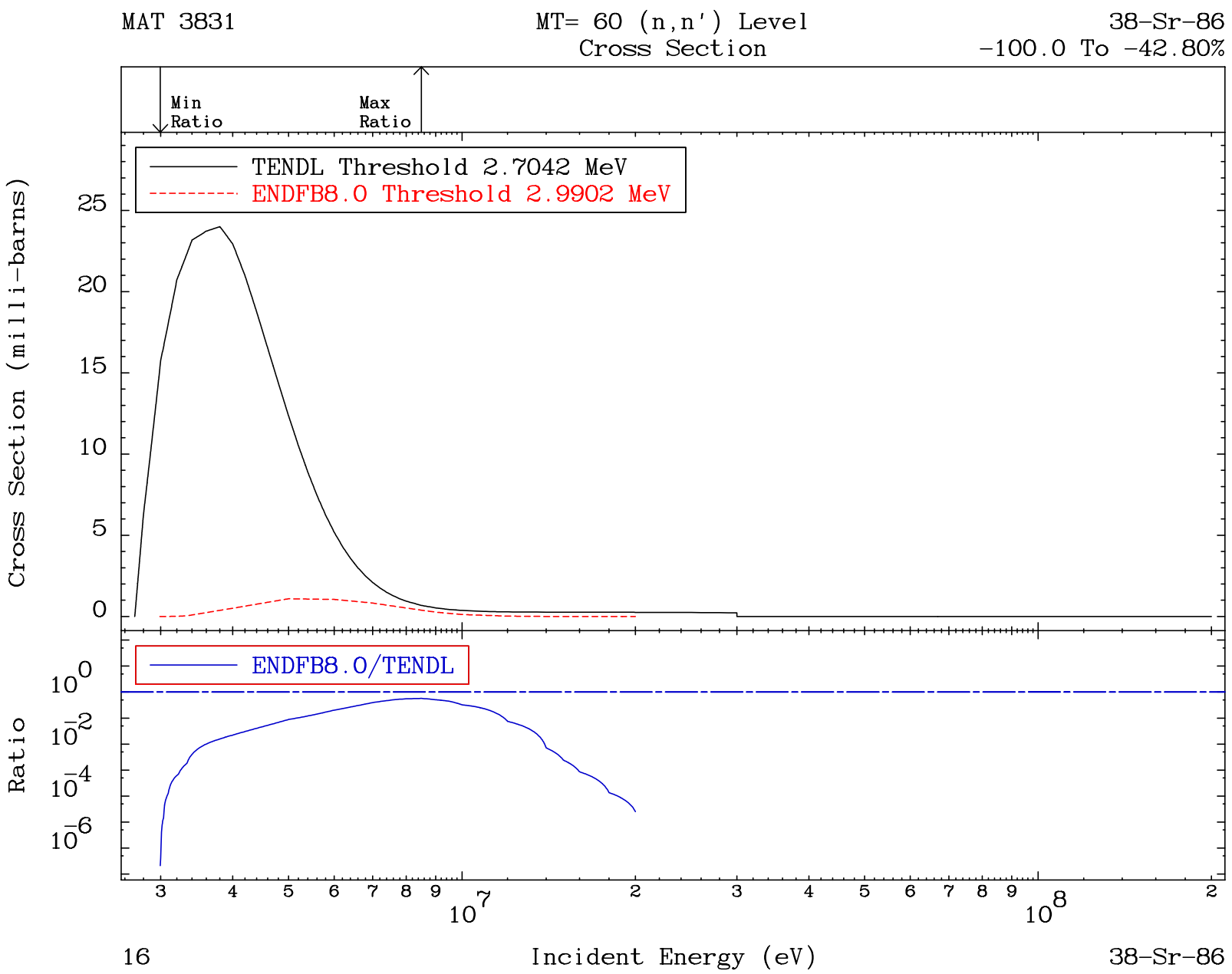

MAT 3831
MT= 55 (n,n') Level
Cross Section
38-Sr-86
-100.0 To -33.62%
Max Ratio
Min Ratio
TENDL Threshold 2.2559 MeV
ENDFB8.0 Threshold 2.6733 MeV
Cross Section (milli-barns)
200
150
100
50
0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
10^-4
10^-6
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
11
Incident Energy (eV)
38-Sr-86

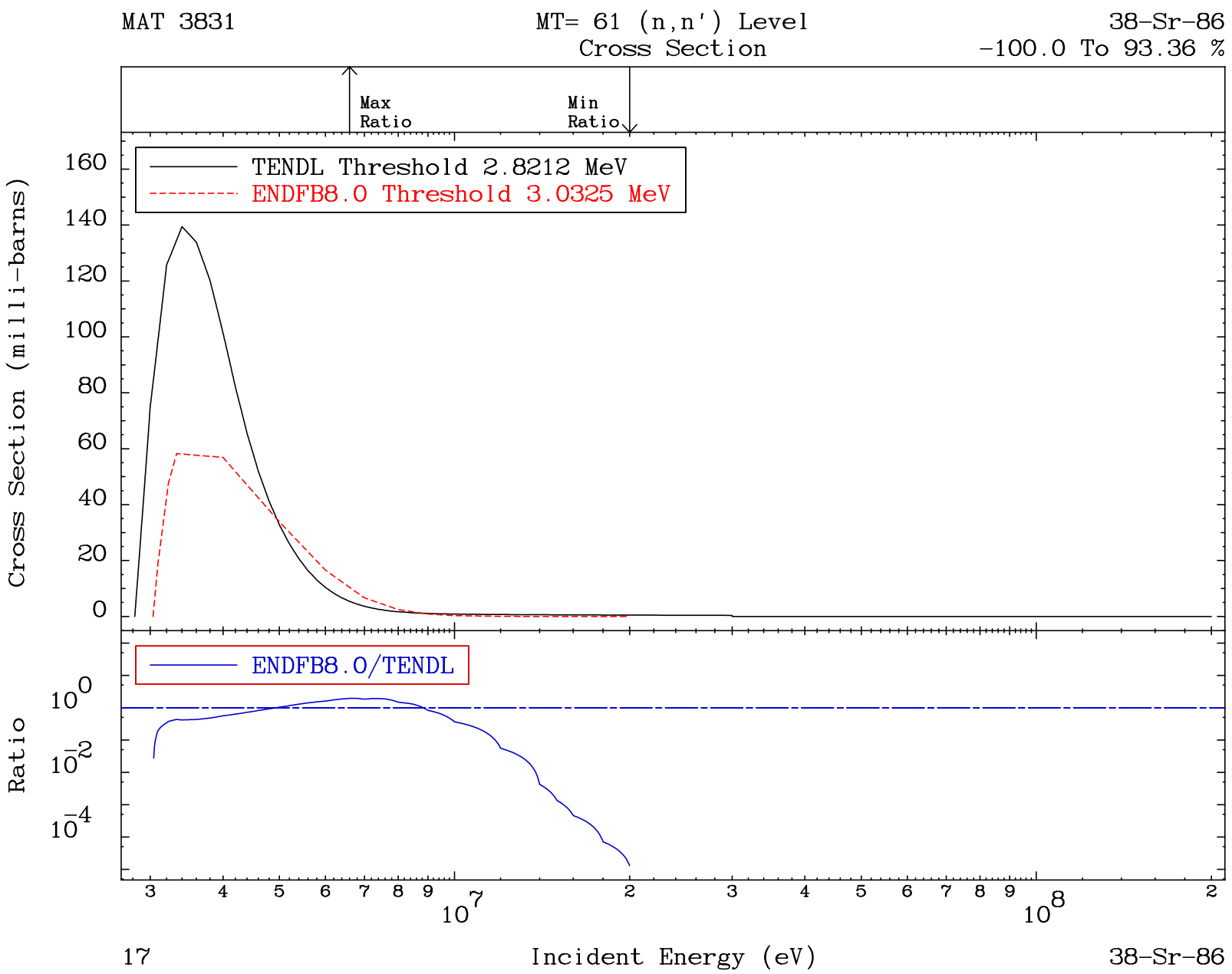

MAT 3831
MT= 56 (n,n') Level
Cross Section
38-Sr-86
-99.65 To 216.4 %
Min Ratio
Max Ratio
TENDL Threshold 2.3928 MeV
ENDFB8.0 Threshold 2.7042 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
ENDFB8.0/TENDL
Ratio
10^1
10^0
10^-1
10^-2
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
12
Incident Energy (eV)
38-Sr-86

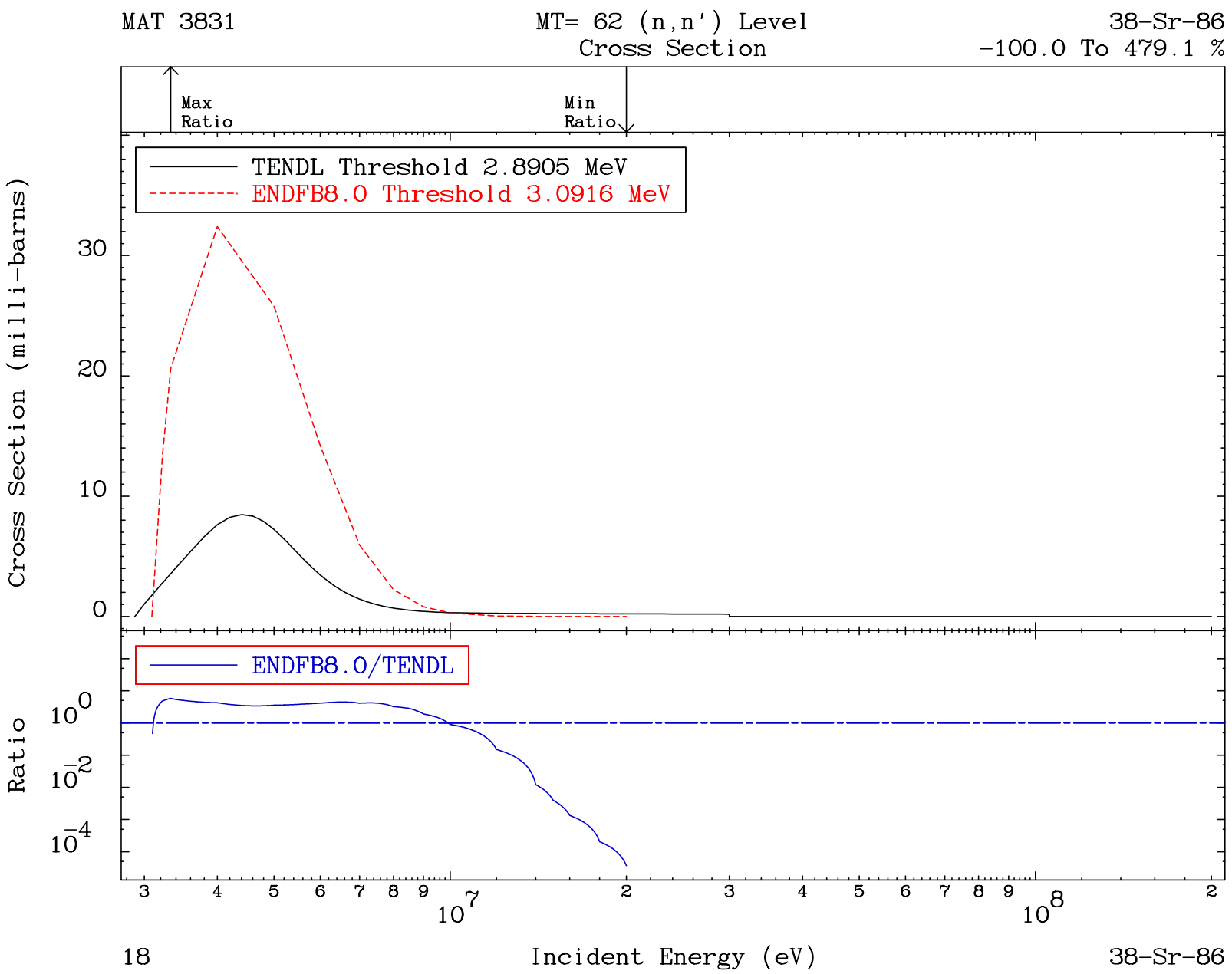

MAT 3831
MT= 57 (n,n') Level
Cross Section
38-Sr-86
-100.0 To 42.62 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.5111 MeV
ENDFB8.0 Threshold 2.8207 MeV
Cross Section (milli-barns)
200
150
100
50
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
13
Incident Energy (eV)
38-Sr-86

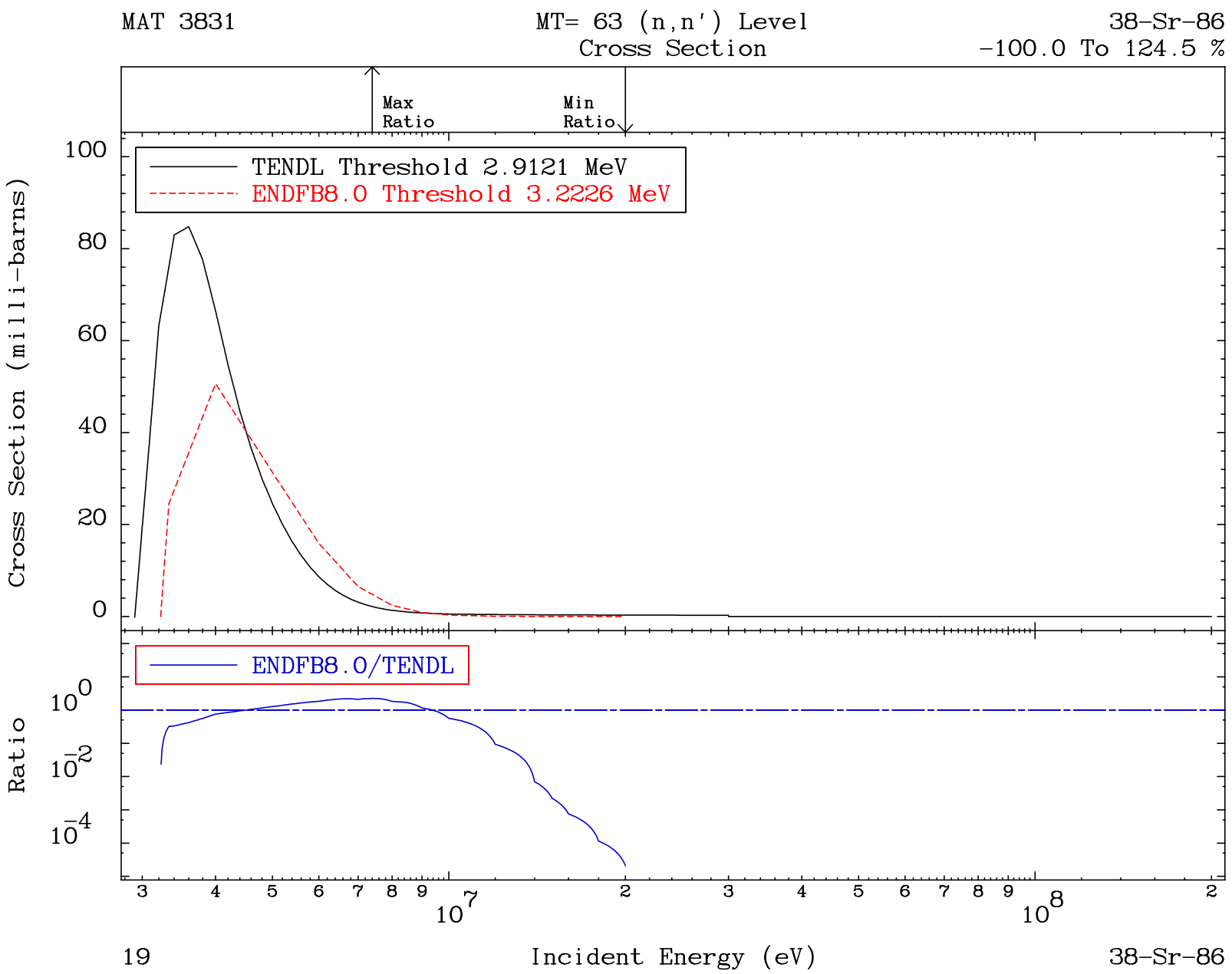

MAT 3831
MT= 58 (n,n') Level
Cross Section
38-Sr-86
-100.0 To 65.93 %
Max Ratio
Min Ratio
TENDL Threshold 2.5263 MeV
ENDFB8.0 Threshold 2.8904 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
10^-4
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
14
Incident Energy (eV)
38-Sr-86

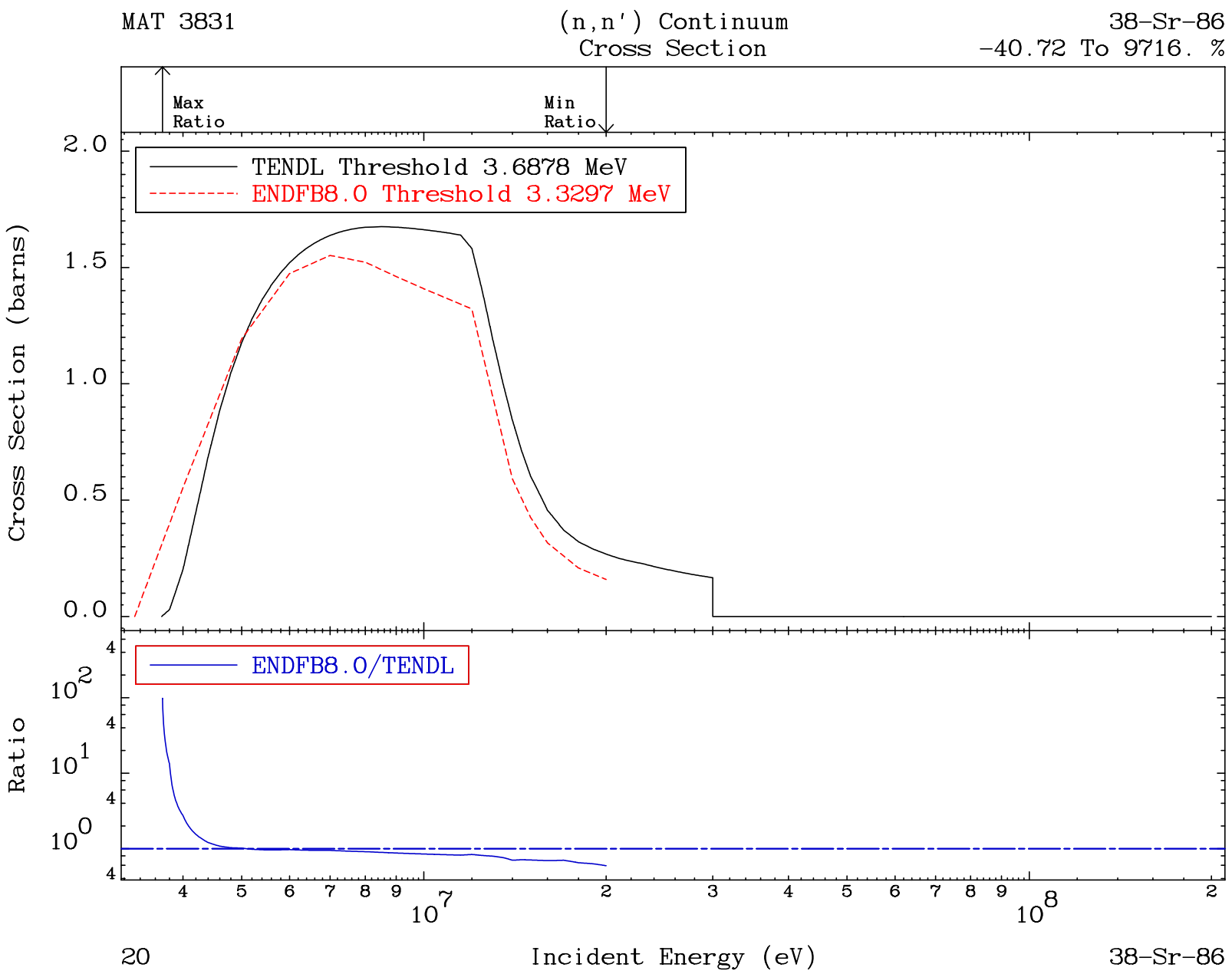

MAT 3831
MT= 59 (n,n') Level
Cross Section
38-Sr-86
-100.0 To 85.21 %
Max Ratio
Min Ratio
TENDL Threshold 2.6732 MeV
ENDFB8.0 Threshold 2.9121 MeV
Cross Section (milli-barns)
160
120
80
40
0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
10^-4
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
15
Incident Energy (eV)
38-Sr-86

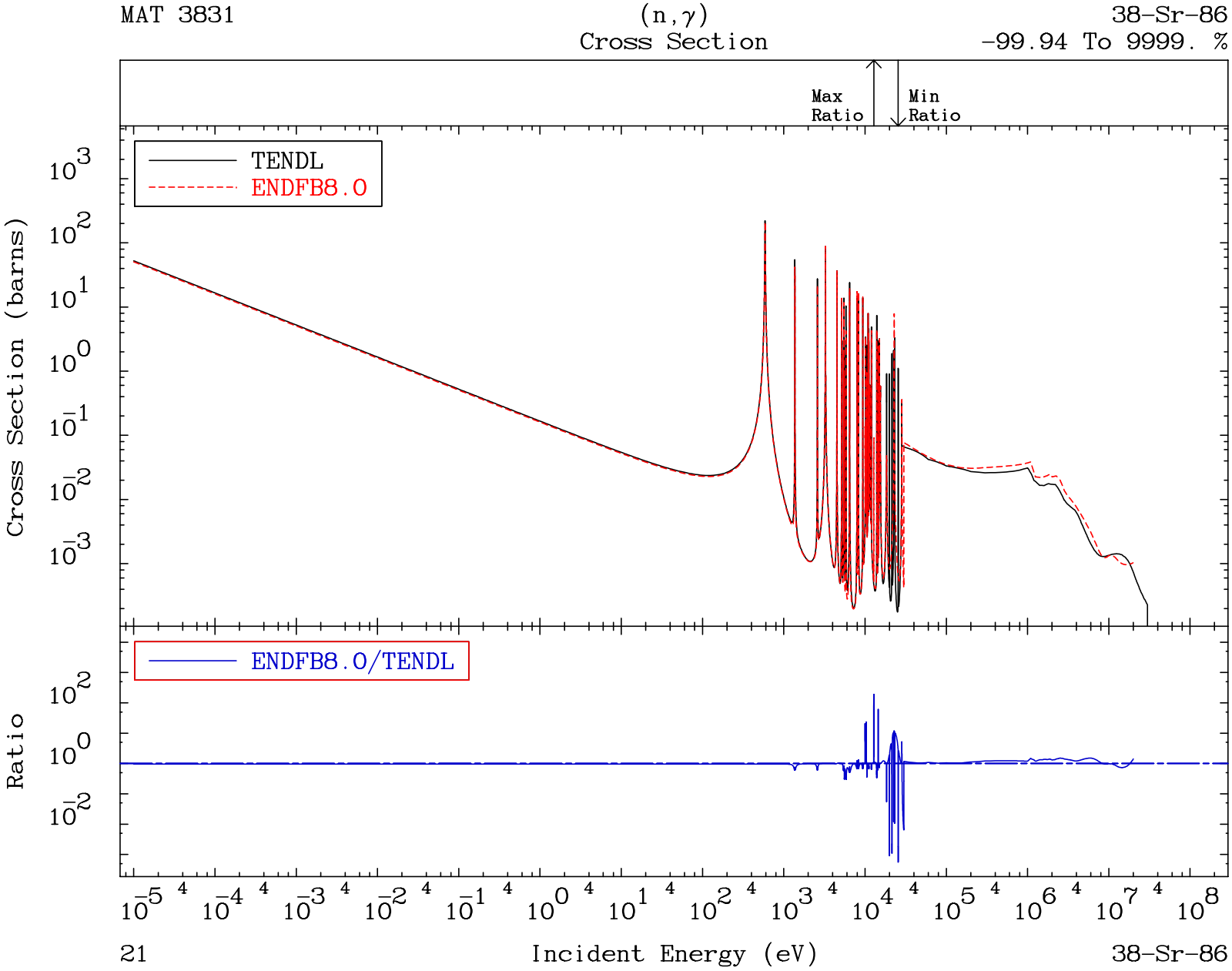

MAT 3831
MT= 60 (n,n') Level
Cross Section
38-Sr-86
-100.0 To -42.80%
Min Ratio
Max Ratio
TENDL Threshold 2.7042 MeV
ENDFB8.0 Threshold 2.9902 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
10^-4
10^-6
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
16
Incident Energy (eV)
38-Sr-86

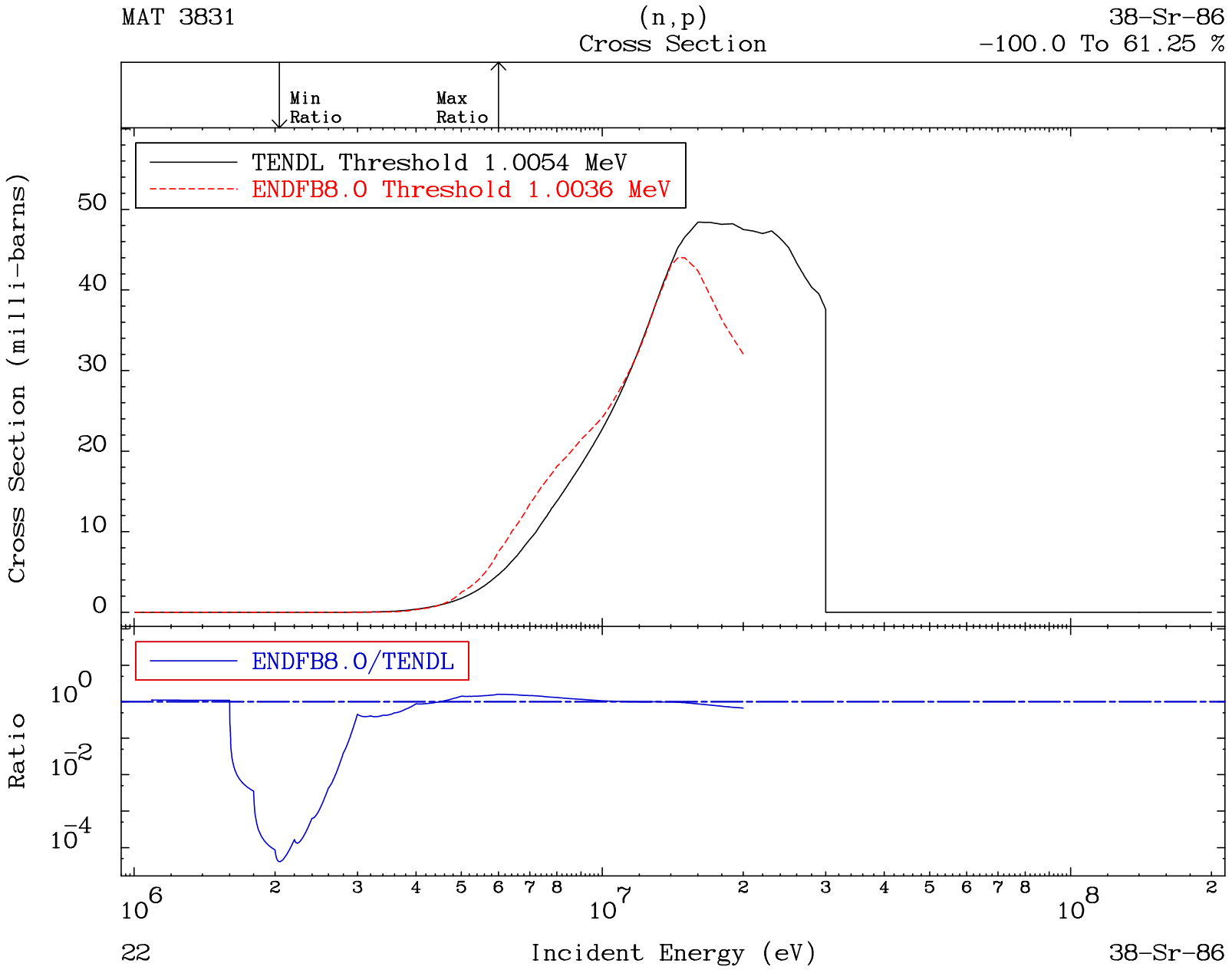

MAT 3831
MT= 61 (n,n') Level
Cross Section
38-Sr-86
-100.0 To 93.36 %
Max Ratio
Min Ratio
TENDL Threshold 2.8212 MeV
ENDFB8.0 Threshold 3.0325 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
10^-4
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
17
Incident Energy (eV)
38-Sr-86

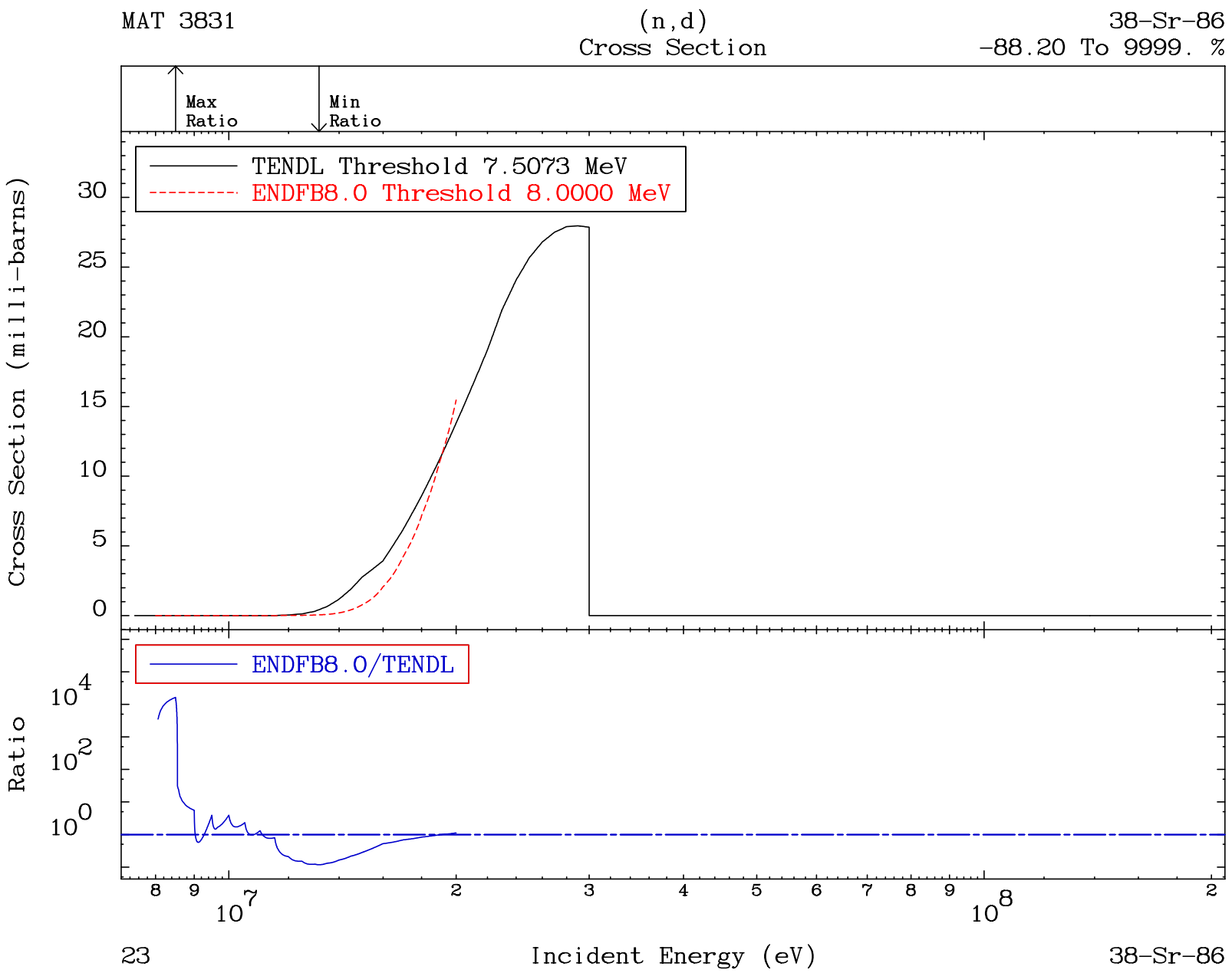

MAT 3831
MT= 62 (n,n') Level
Cross Section
38-Sr-86
-100.0 To 479.1 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.8905 MeV
ENDFB8.0 Threshold 3.0916 MeV
Cross Section (milli-barns)
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
10^-4
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
18
Incident Energy (eV)
38-Sr-86

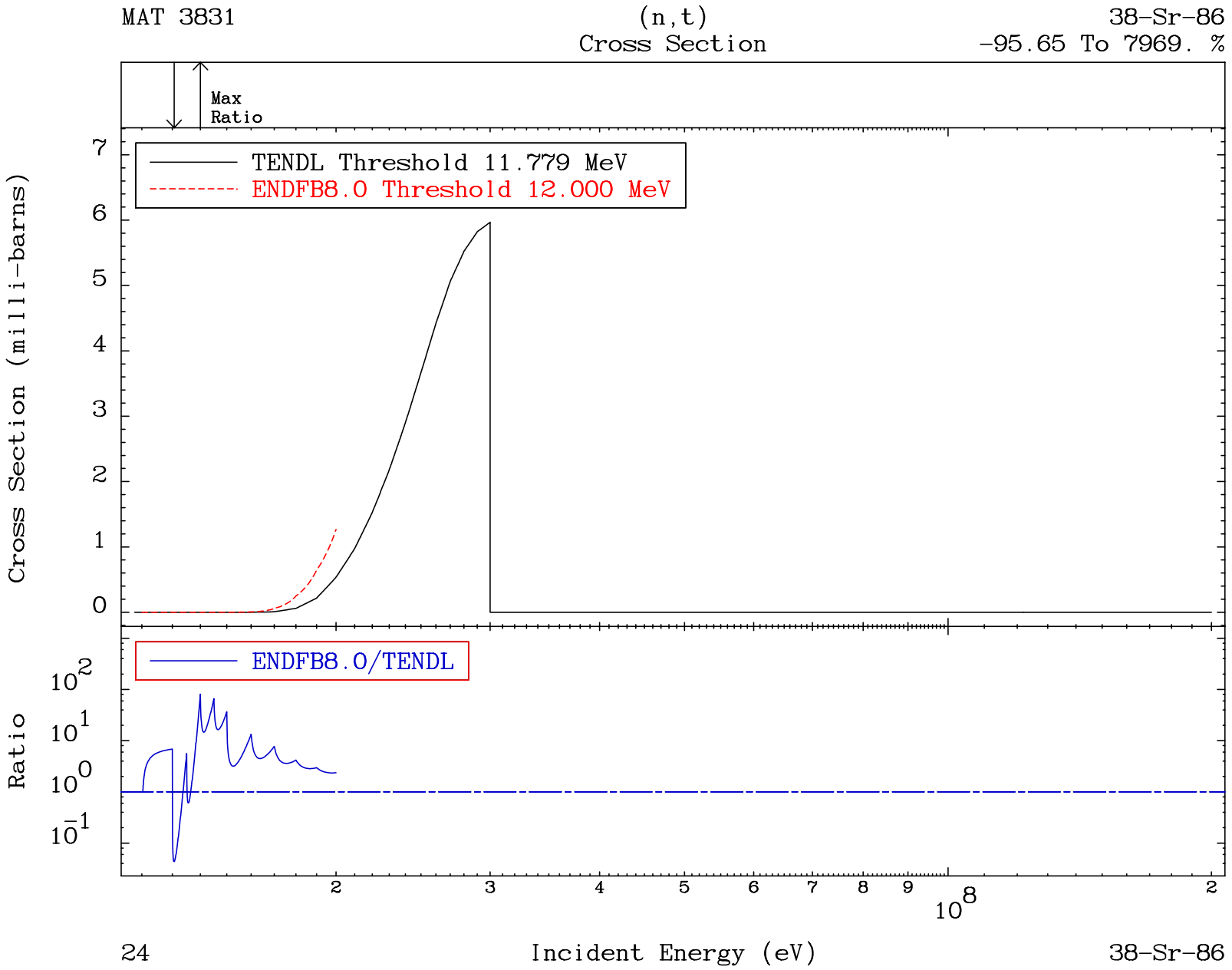

MAT 3831
MT= 63 (n,n') Level
Cross Section
38-Sr-86
-100.0 To 124.5 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.9121 MeV
ENDFB8.0 Threshold 3.2226 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
10^-4
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
19
Incident Energy (eV)
38-Sr-86

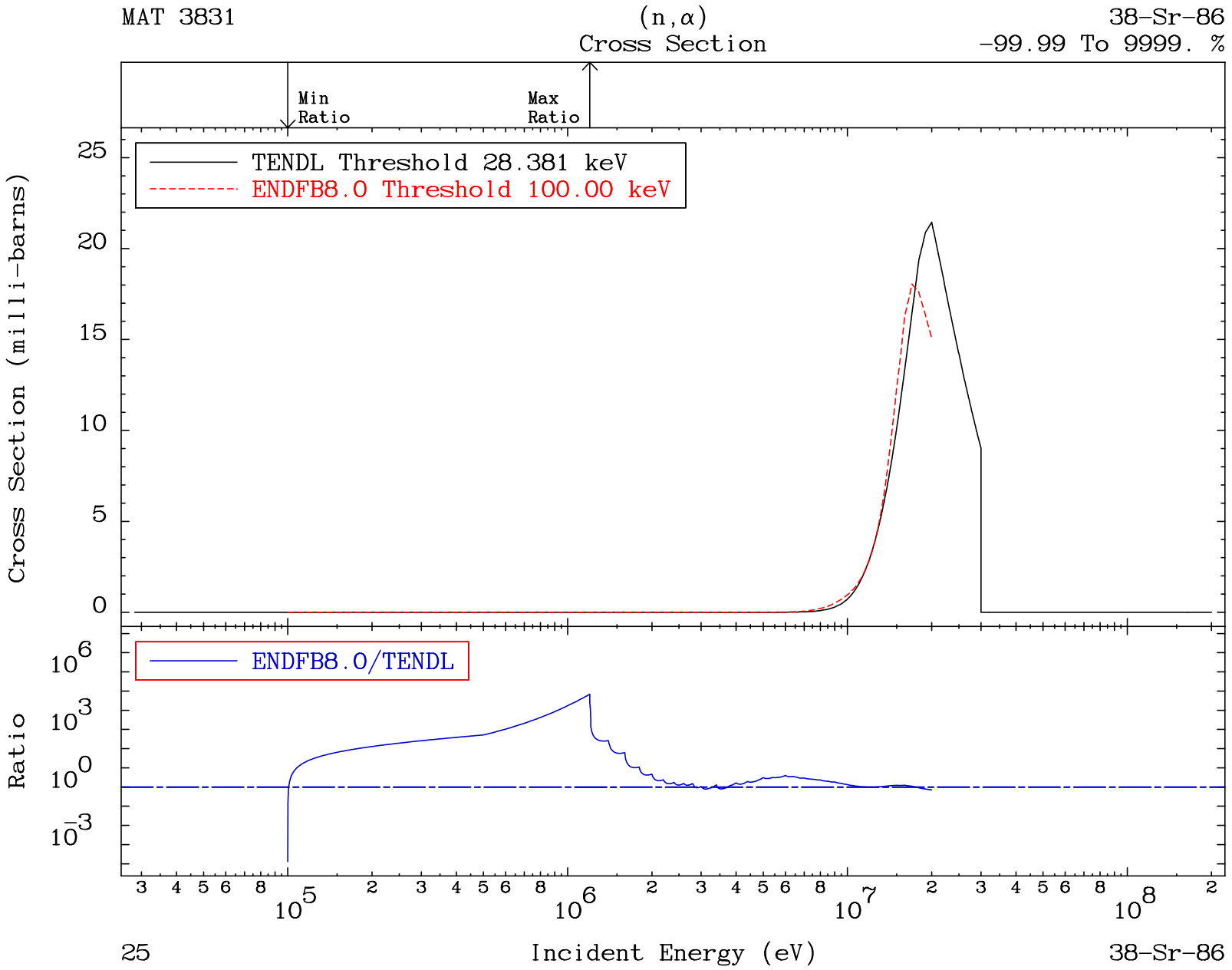

MAT 3831
(n,n') Continuum
Cross Section
38-Sr-86
-40.72 To 9716. %
Max
Ratio
Min
Ratio
TENDL Threshold 3.6878 MeV
ENDFB8.0 Threshold 3.3297 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
10^2
10^1
10^0
4
10^7
10^8
2
3
5
6
7
8
9
20
Incident Energy (eV)
38-Sr-86

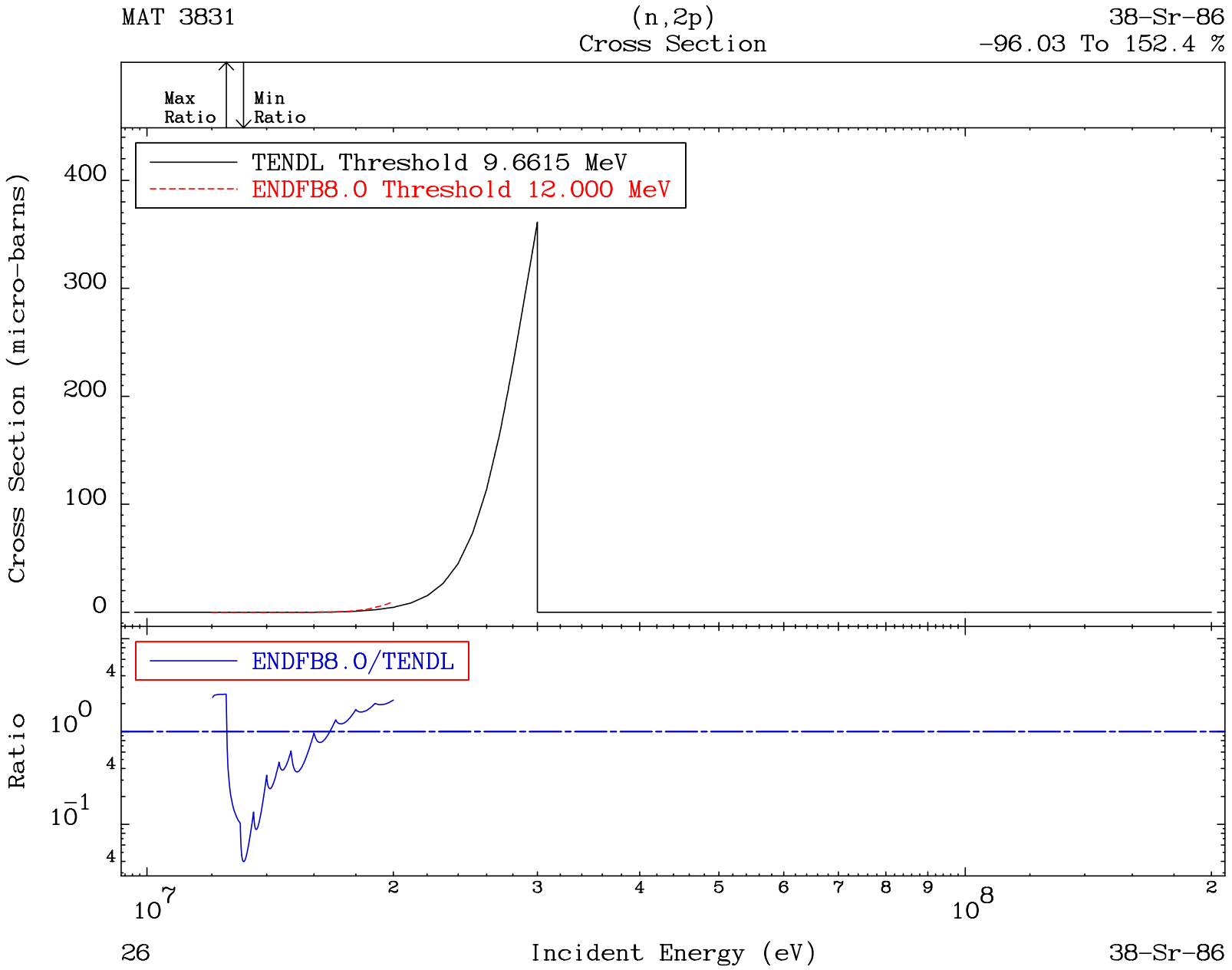

MAT 3831
(n,γ)
Cross Section
38-Sr-86
-99.94 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
21
38-Sr-86

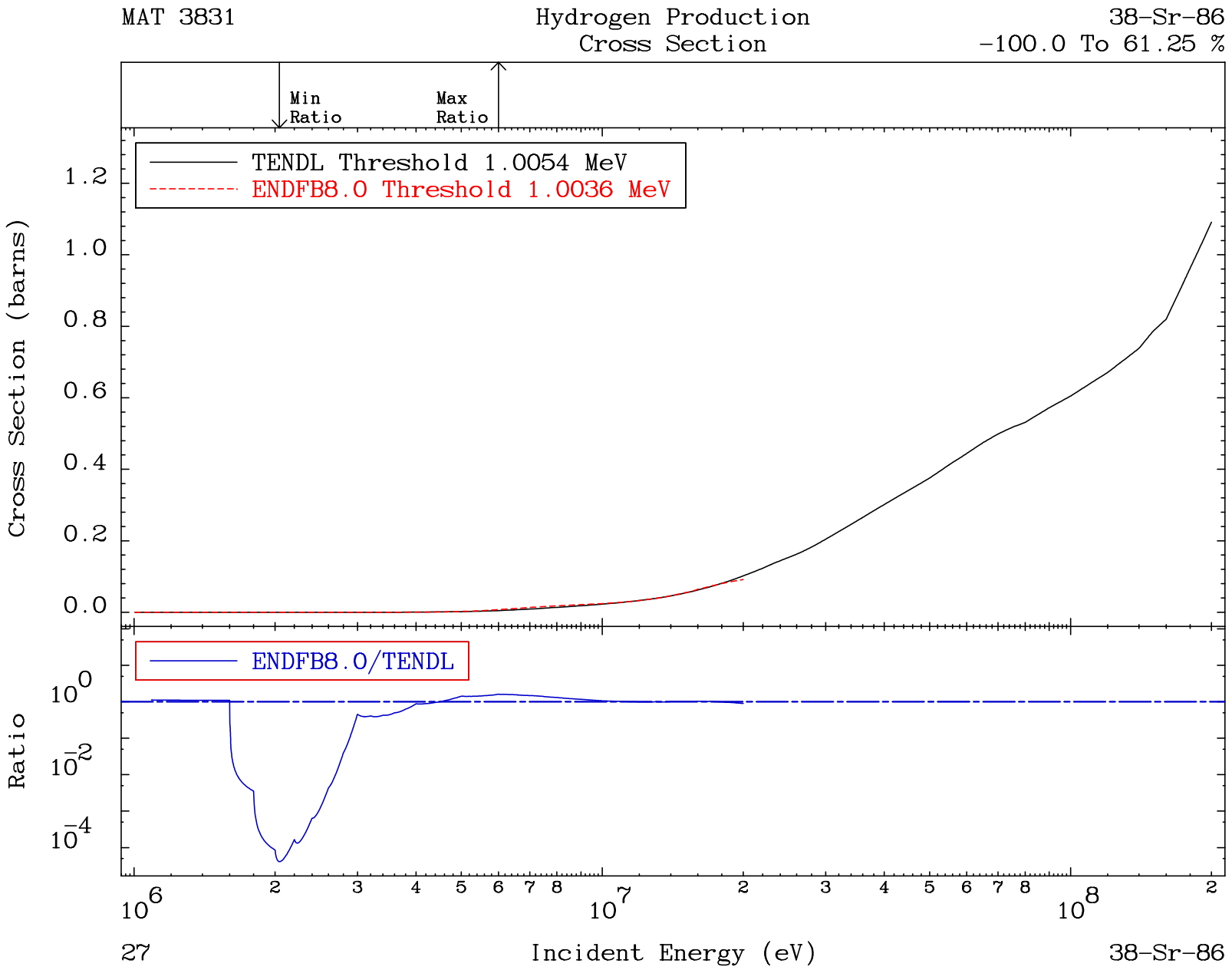

MAT 3831
(n,p)
Cross Section
38-Sr-86
-100.0 To 61.25 %
Min Ratio
Max Ratio
TENDL Threshold 1.0054 MeV
ENDFB8.0 Threshold 1.0036 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
10^-4
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
22
Incident Energy (eV)
38-Sr-86

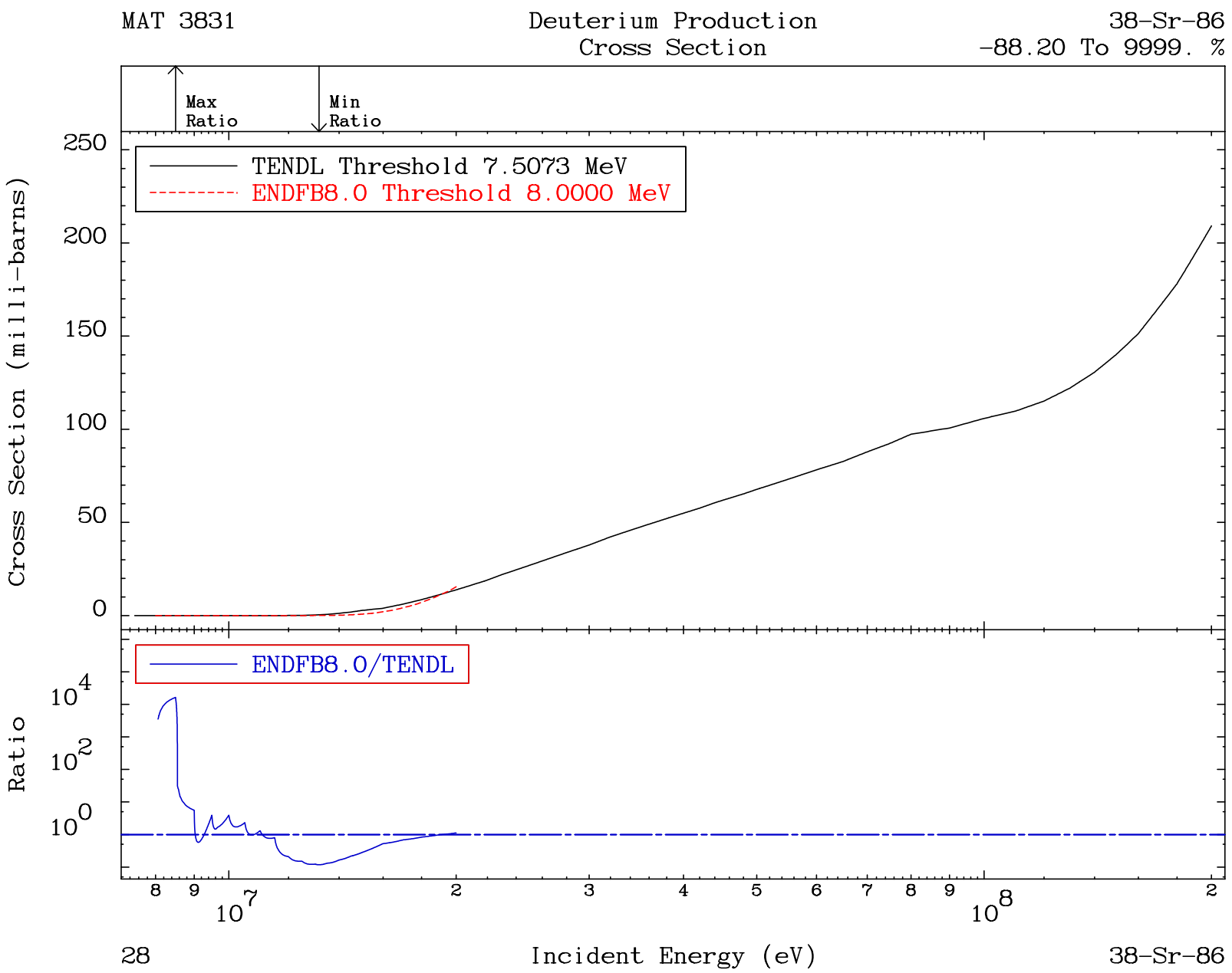

MAT 3831
(n,d)
Cross Section
38-Sr-86
-88.20 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 7.5073 MeV
ENDFB8.0 Threshold 8.0000 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
10^4
10^2
10^0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
23
Incident Energy (eV)
38-Sr-86

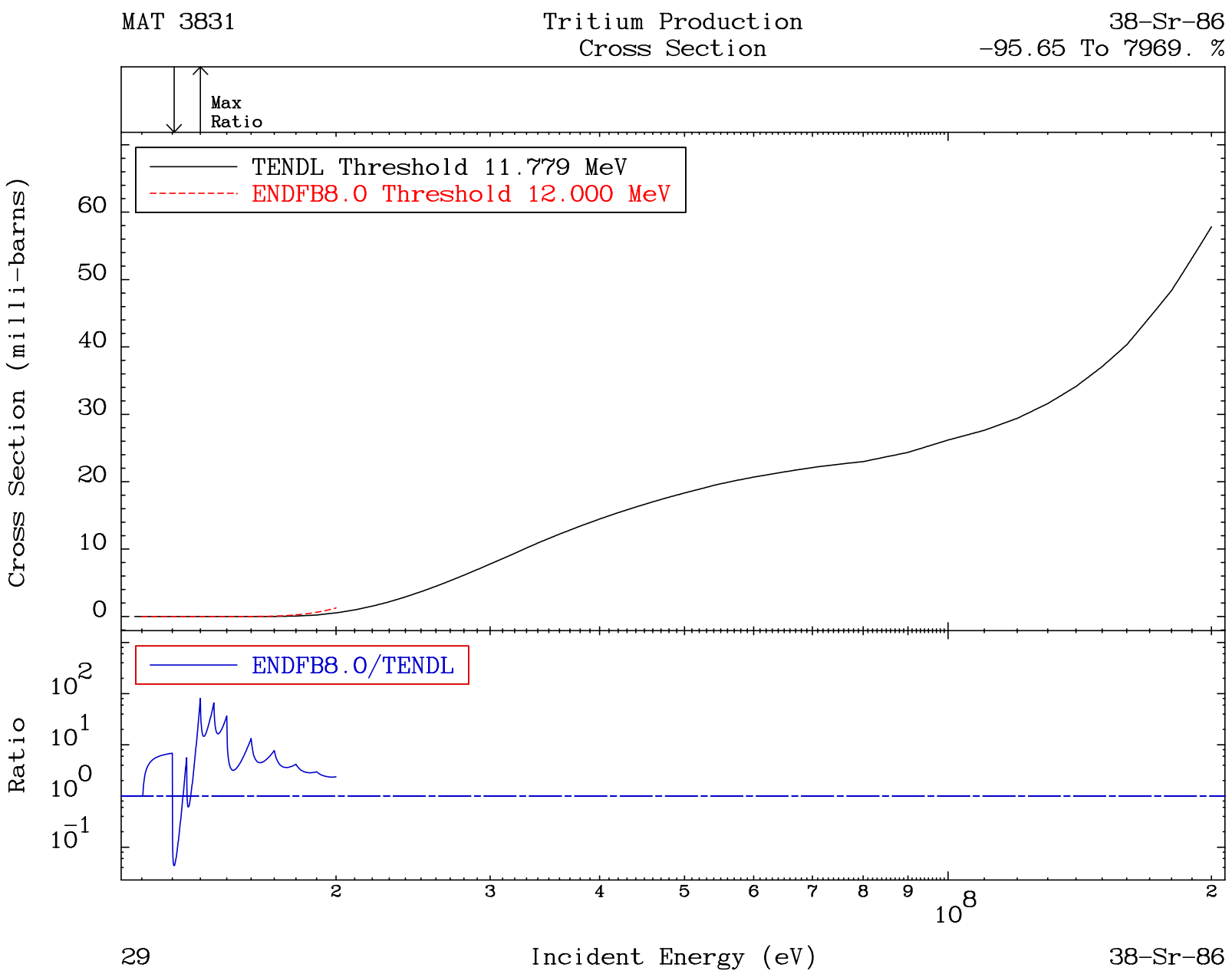

MAT 3831
(n,t)
Cross Section
38-Sr-86
-95.65 To 7969. %
Max
Ratio
TENDL Threshold 11.779 MeV
ENDFB8.0 Threshold 12.000 MeV
Cross Section (milli-barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
24
38-Sr-86

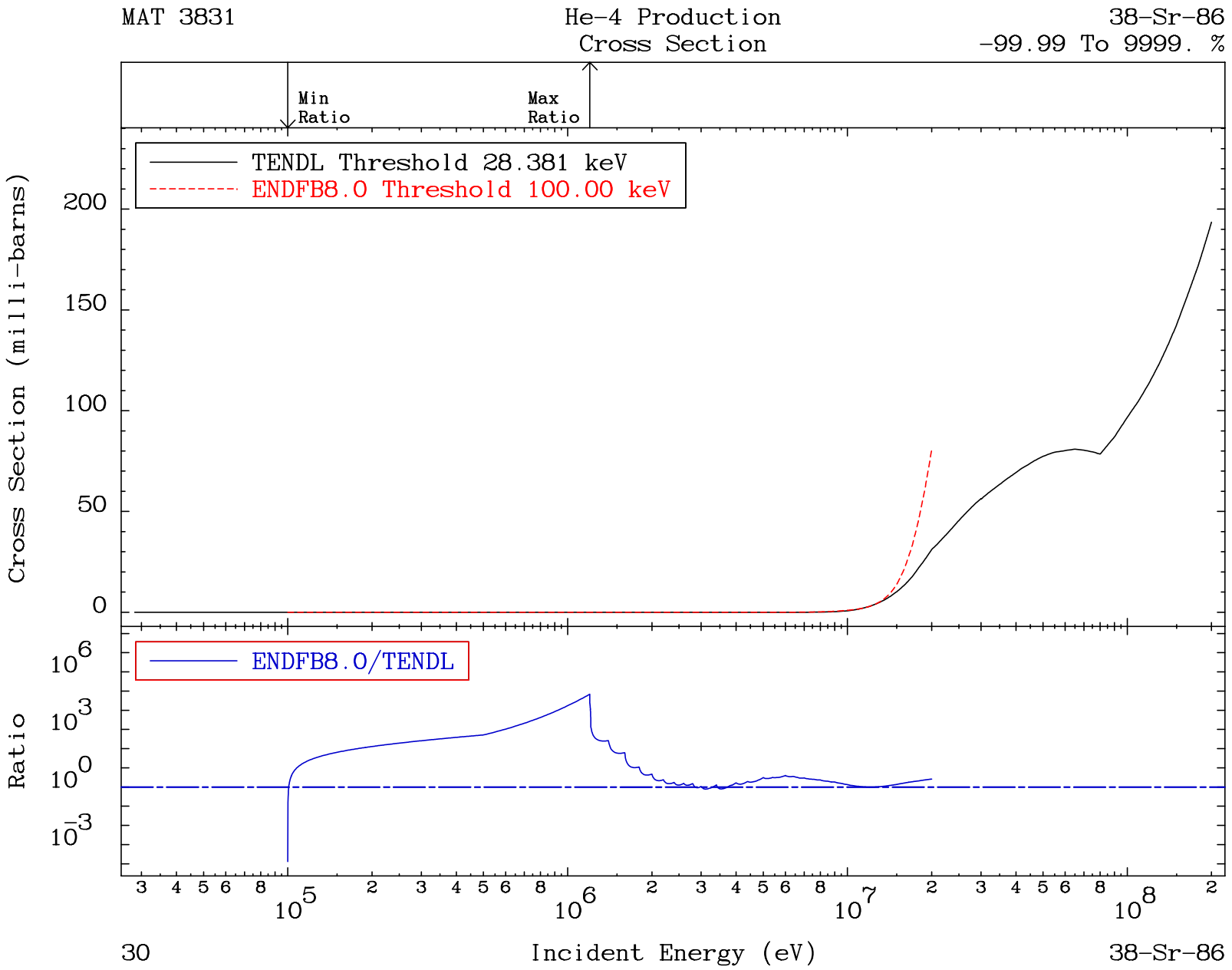

MAT 3831
(n,α)
Cross Section
38-Sr-86
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 28.381 keV
ENDFB8.0 Threshold 100.00 keV
Cross Section (milli-barns)
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
10^6
10^3
10^0
10^-3
3 4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
25
Incident Energy (eV)
38-Sr-86

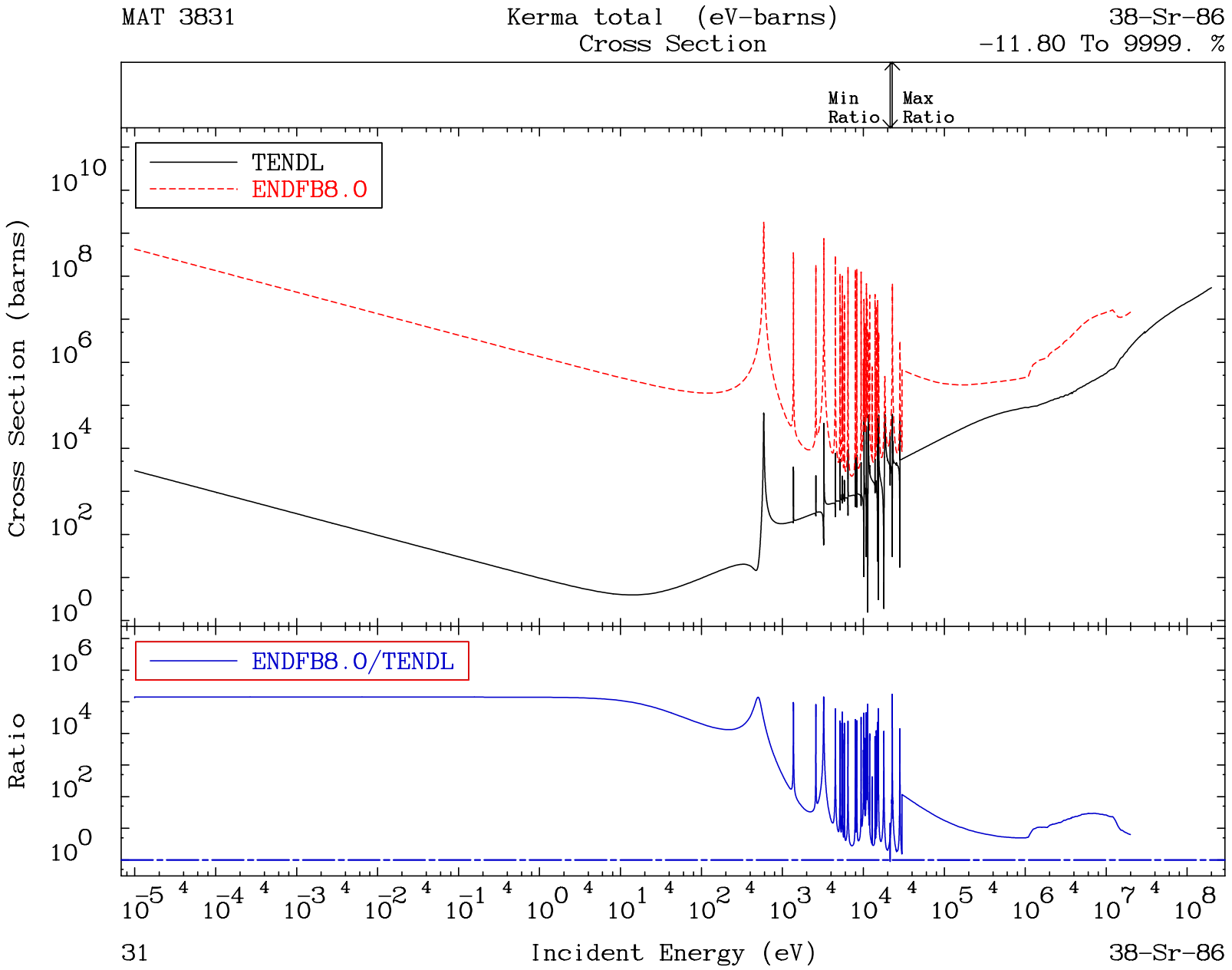

MAT 3831
(n,2p)
Cross Section
38-Sr-86
-96.03 To 152.4 %
Max Ratio
Min Ratio
TENDL Threshold 9.6615 MeV
ENDFB8.0 Threshold 12.000 MeV
Cross Section (micro-barns)
400
300
200
100
0
ENDFB8.0/TENDL
Ratio
10^0
10^-1
10^7
10^8
2
3
4
5
6
7
8
9
26
Incident Energy (eV)
38-Sr-86

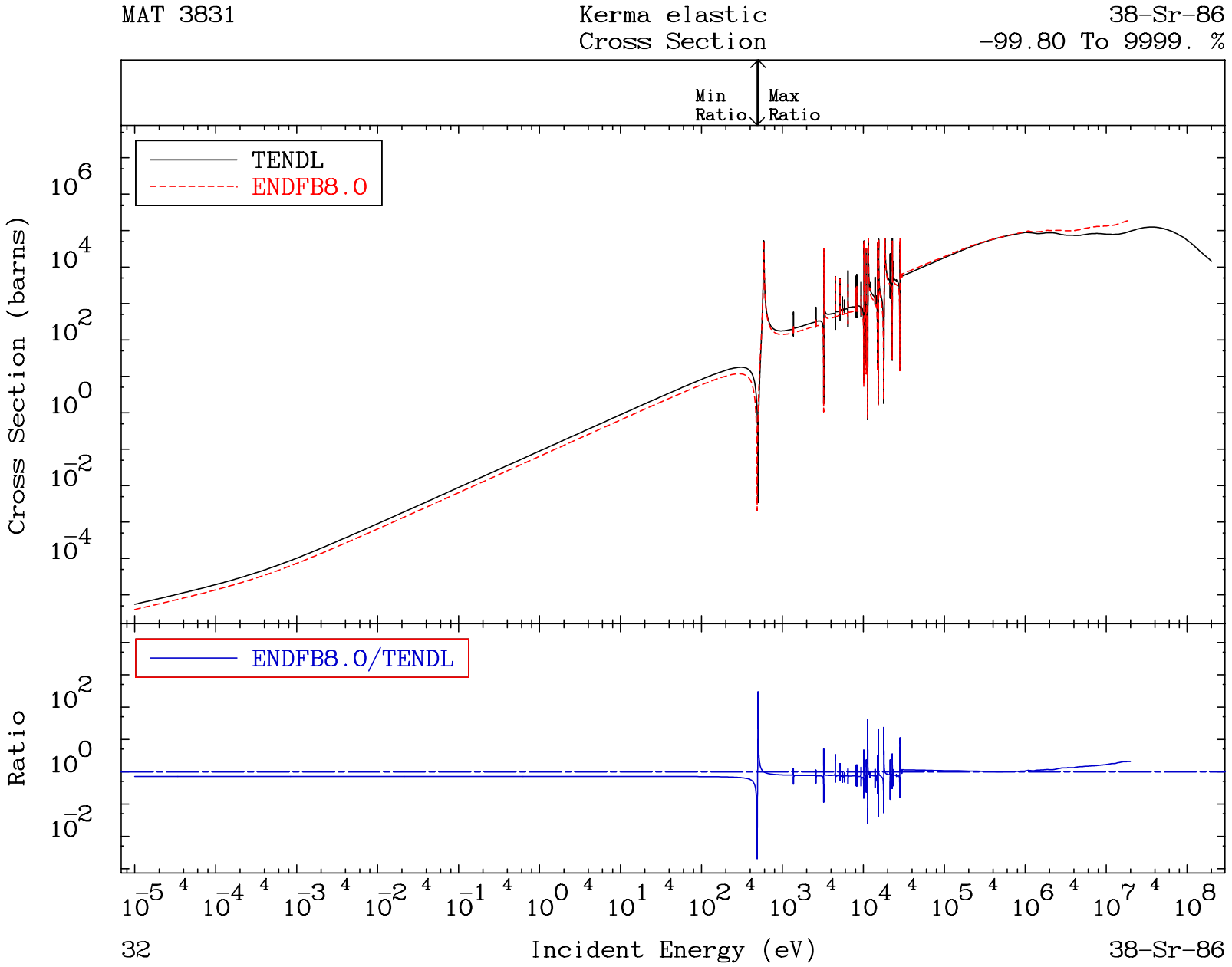

MAT 3831
Hydrogen Production
Cross Section
38-Sr-86
-100.0 To 61.25 %
Min Ratio
Max Ratio
TENDL Threshold 1.0054 MeV
ENDFB8.0 Threshold 1.0036 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
10^-4
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
27
Incident Energy (eV)
38-Sr-86

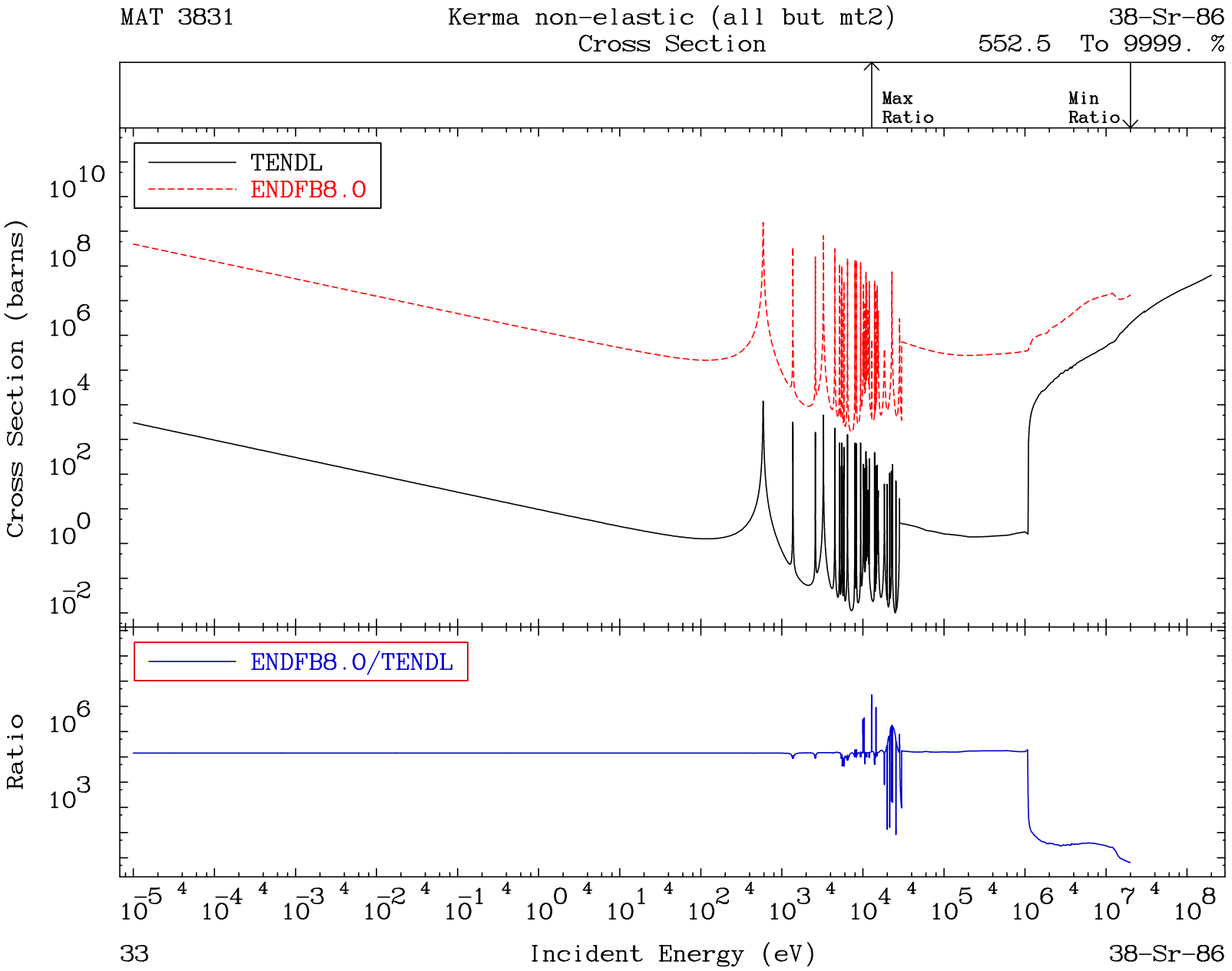

MAT 3831
Deuterium Production
Cross Section
38-Sr-86
-88.20 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 7.5073 MeV
ENDFB8.0 Threshold 8.0000 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
ENDFB8.0/TENDL
Ratio
10^4
10^2
10^0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
28
Incident Energy (eV)
38-Sr-86

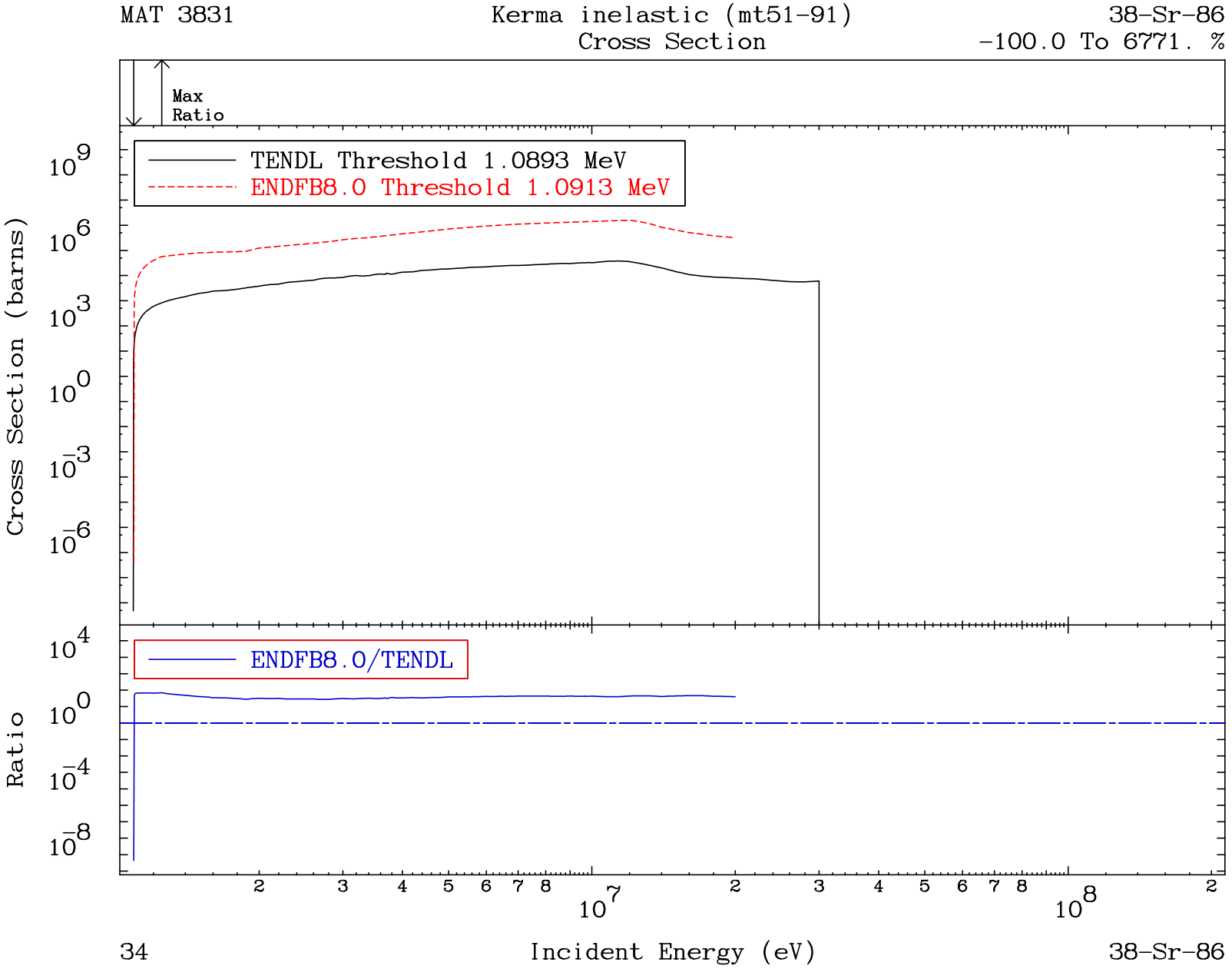

MAT 3831
Tritium Production
Cross Section
38-Sr-86
-95.65 To 7969. %
Max
Ratio
TENDL Threshold 11.779 MeV
ENDFB8.0 Threshold 12.000 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^2
10^1
10^0
10^-1
2
3
4
5
6
7
8
9
10^8
2
29
Incident Energy (eV)
38-Sr-86

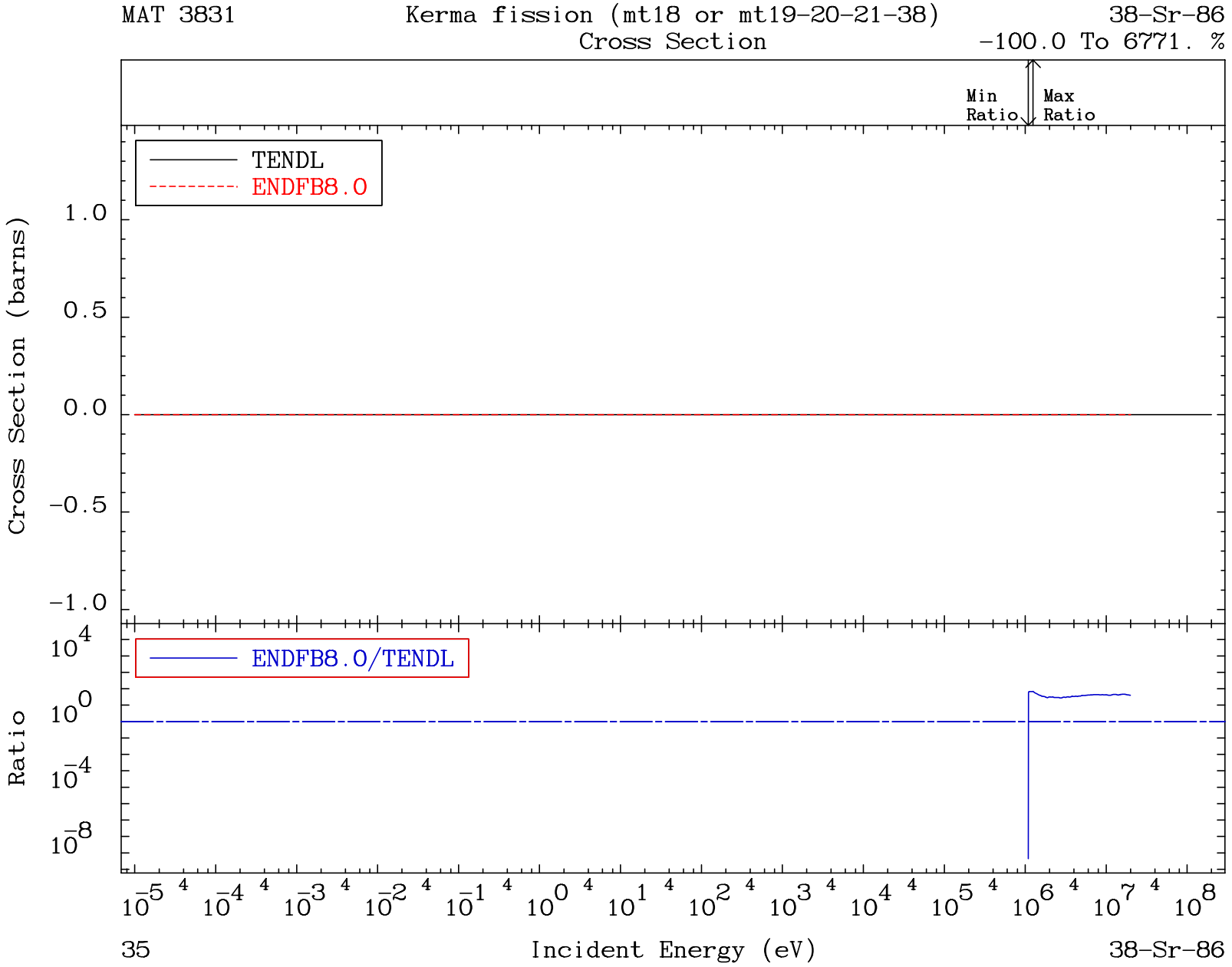

MAT 3831
He-4 Production
Cross Section
38-Sr-86
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 28.381 keV
ENDFB8.0 Threshold 100.00 keV
Cross Section (milli-barns)
200
150
100
50
0
ENDFB8.0/TENDL
Ratio
10^6
10^3
10^0
10^-3
3 4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
30
Incident Energy (eV)
38-Sr-86

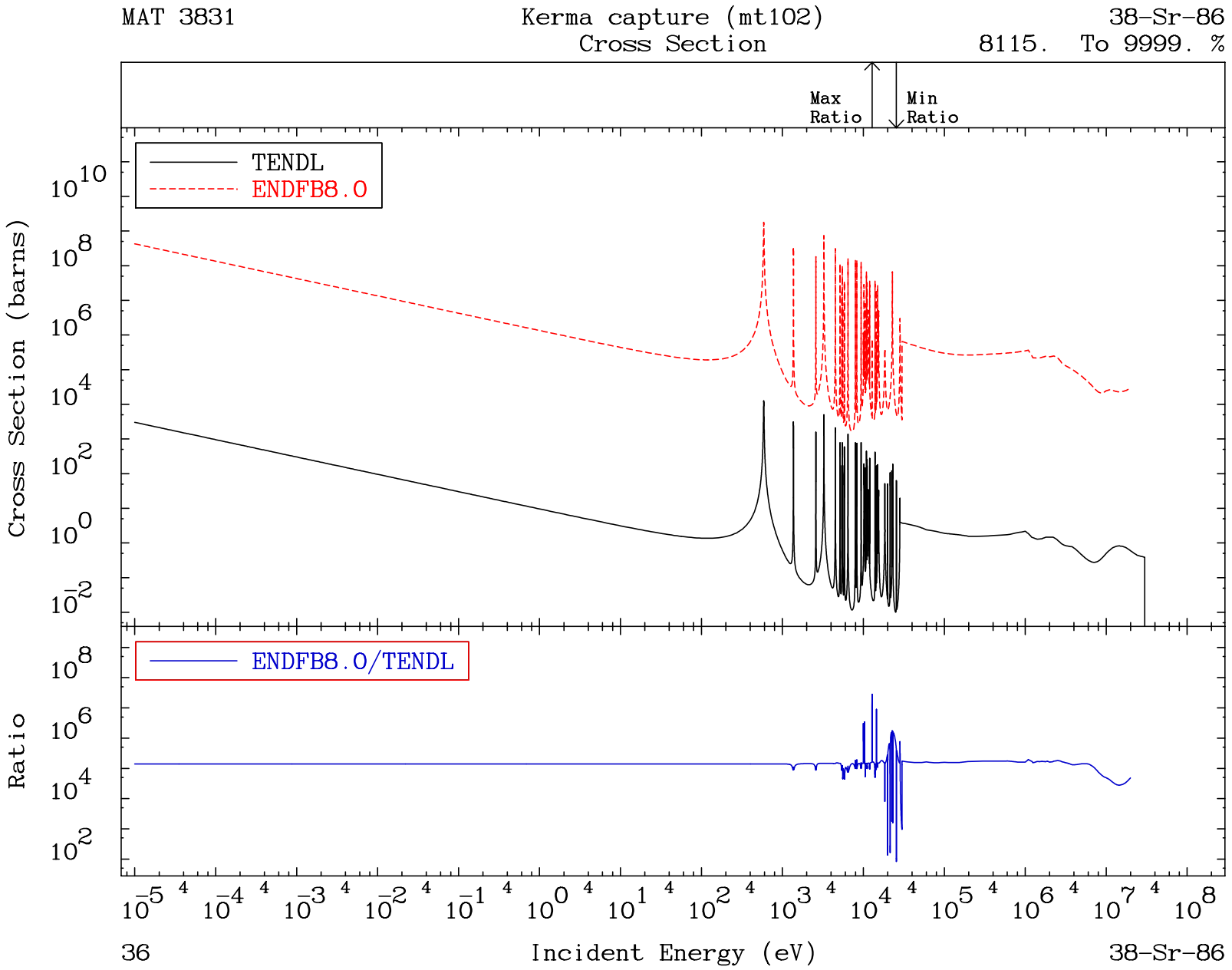

MAT 3831
Kerma total (eV-barns)
Cross Section
38-Sr-86
-11.80 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
31
38-Sr-86

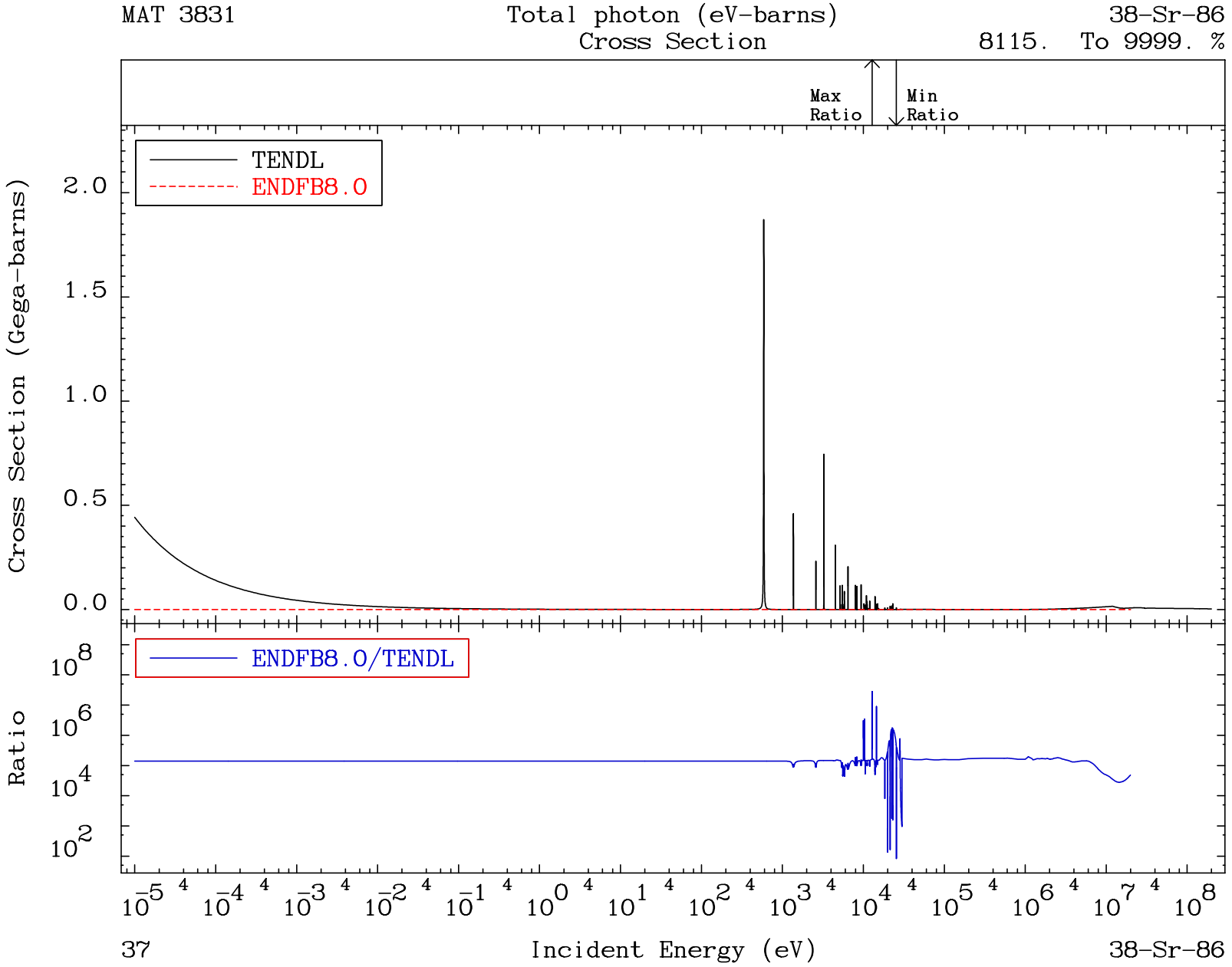

MAT 3831
Kerma elastic
Cross Section
38-Sr-86
-99.80 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
32
38-Sr-86

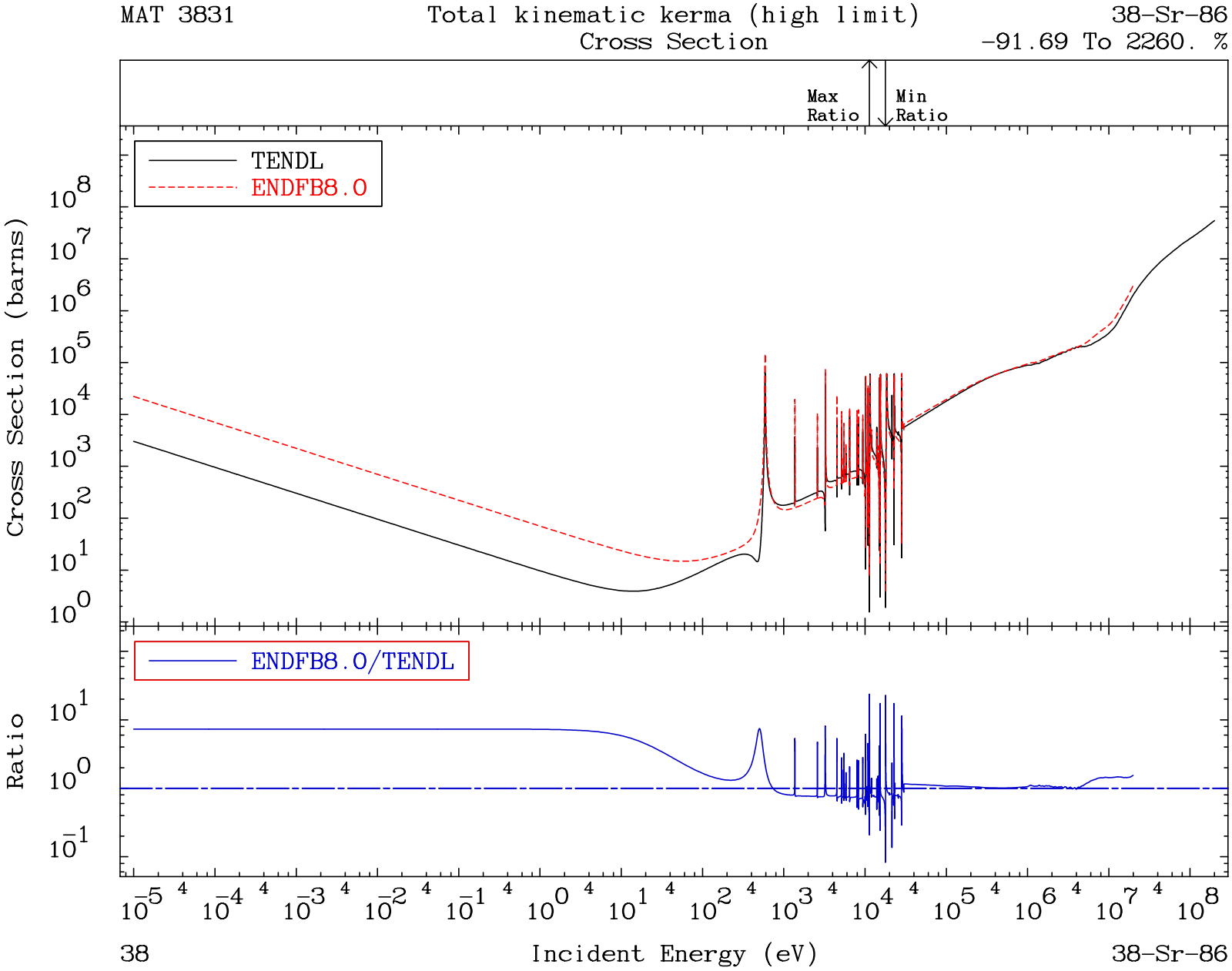

MAT 3831
Kerma non-elastic (all but mt2)
Cross Section
38-Sr-86
552.5 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
33
38-Sr-86

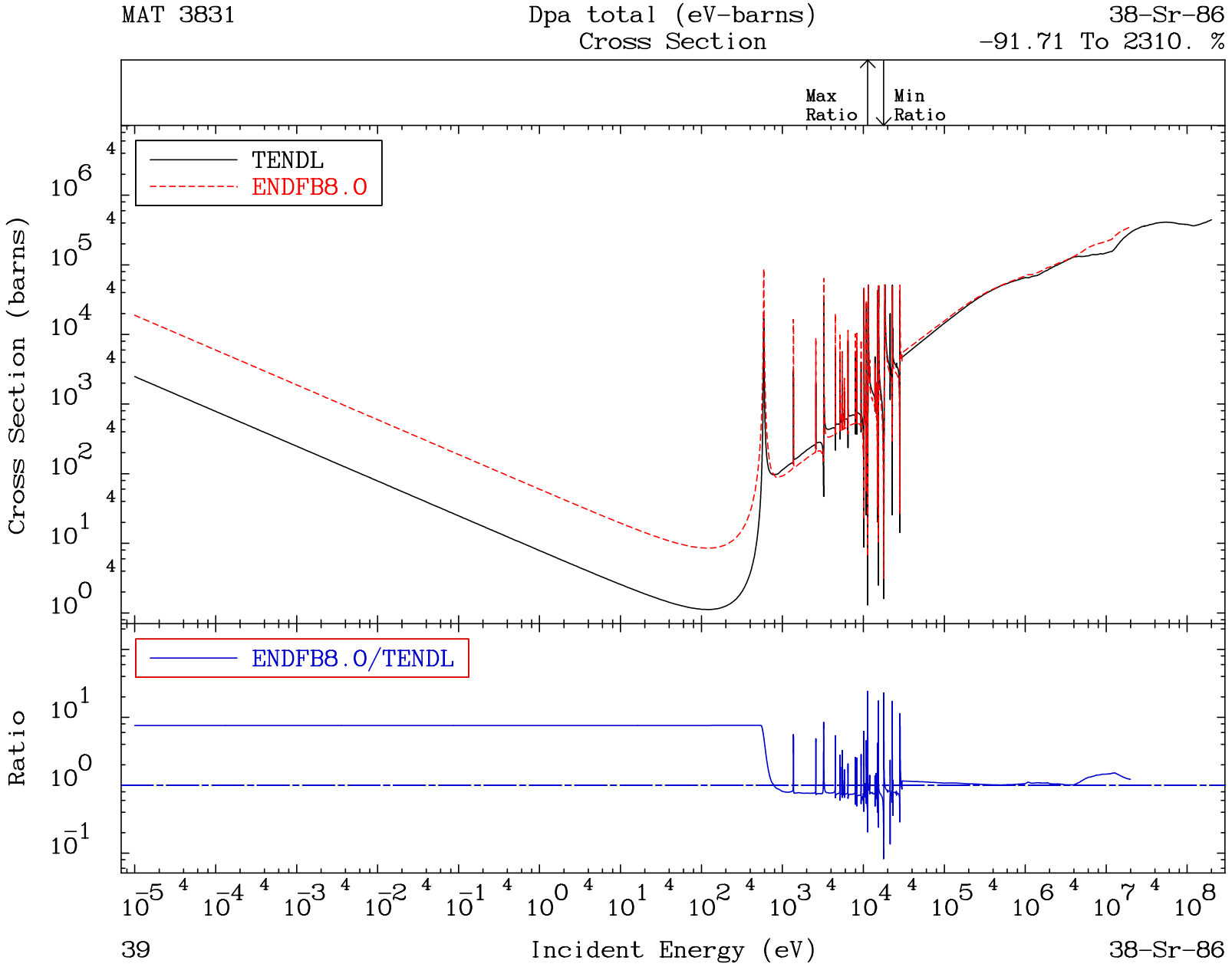

MAT 3831
Kerma inelastic (mt51-91)
Cross Section
38-Sr-86
-100.0 To 6771. %
Max
Ratio
TENDL Threshold 1.0893 MeV
ENDFB8.0 Threshold 1.0913 MeV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
34
38-Sr-86

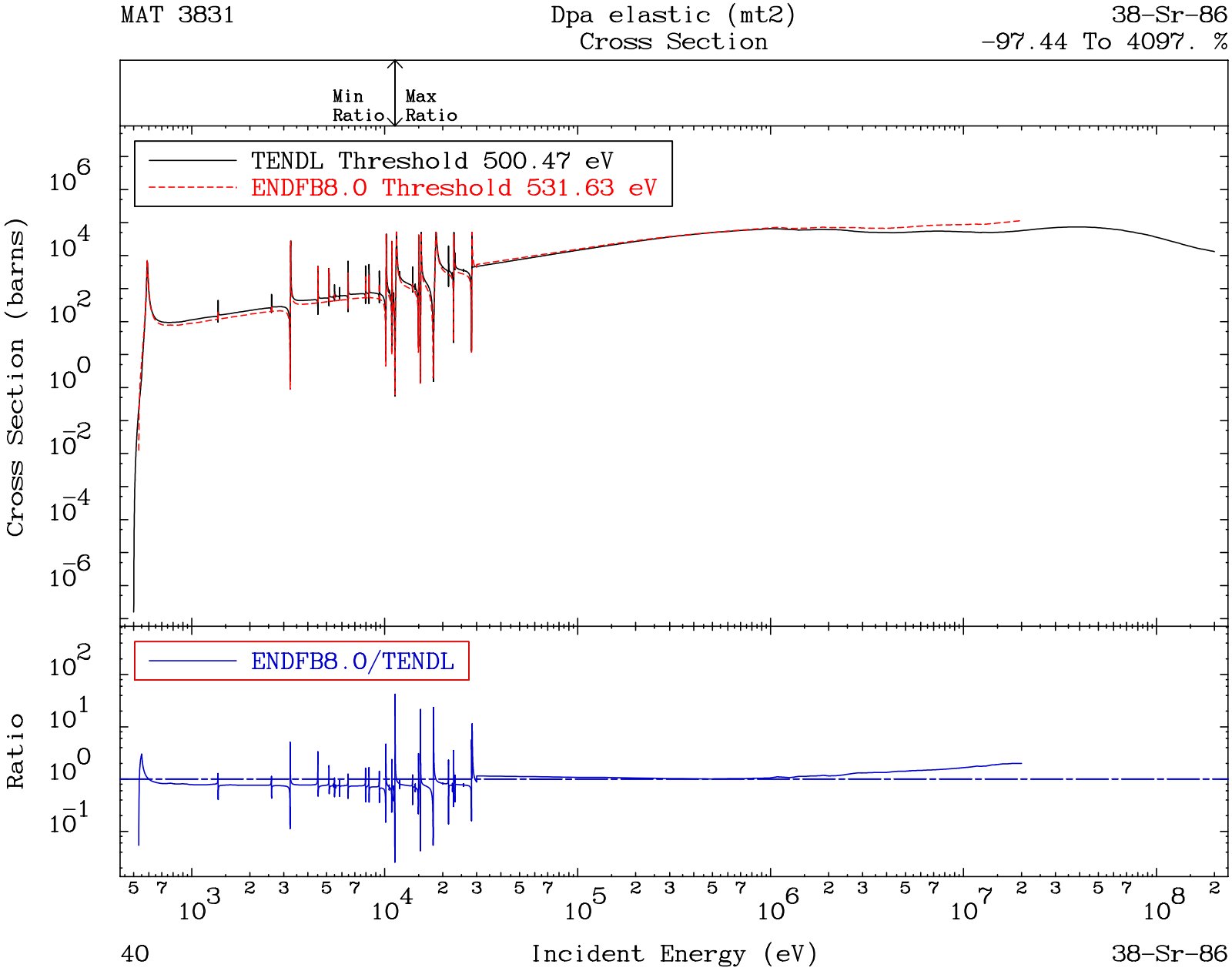

MAT 3831
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
38-Sr-86
-100.0 To 6771. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
ENDFB8.0/TENDL
Ratio
10^4
10^0
10^-4
10^-8
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
35
Incident Energy (eV)
38-Sr-86

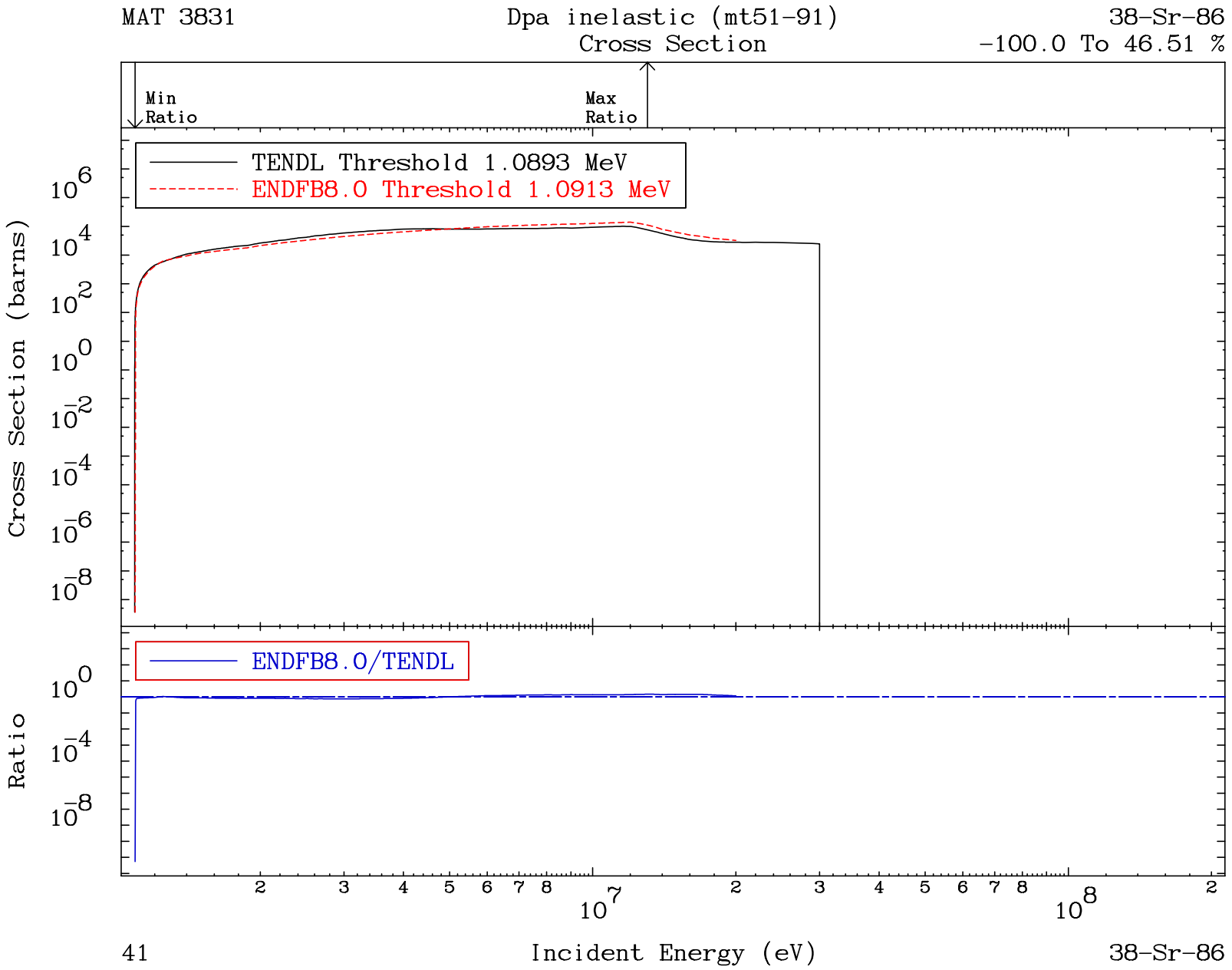

MAT 3831
Kerma capture (mt102)
Cross Section
38-Sr-86
8115. To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
36
38-Sr-86

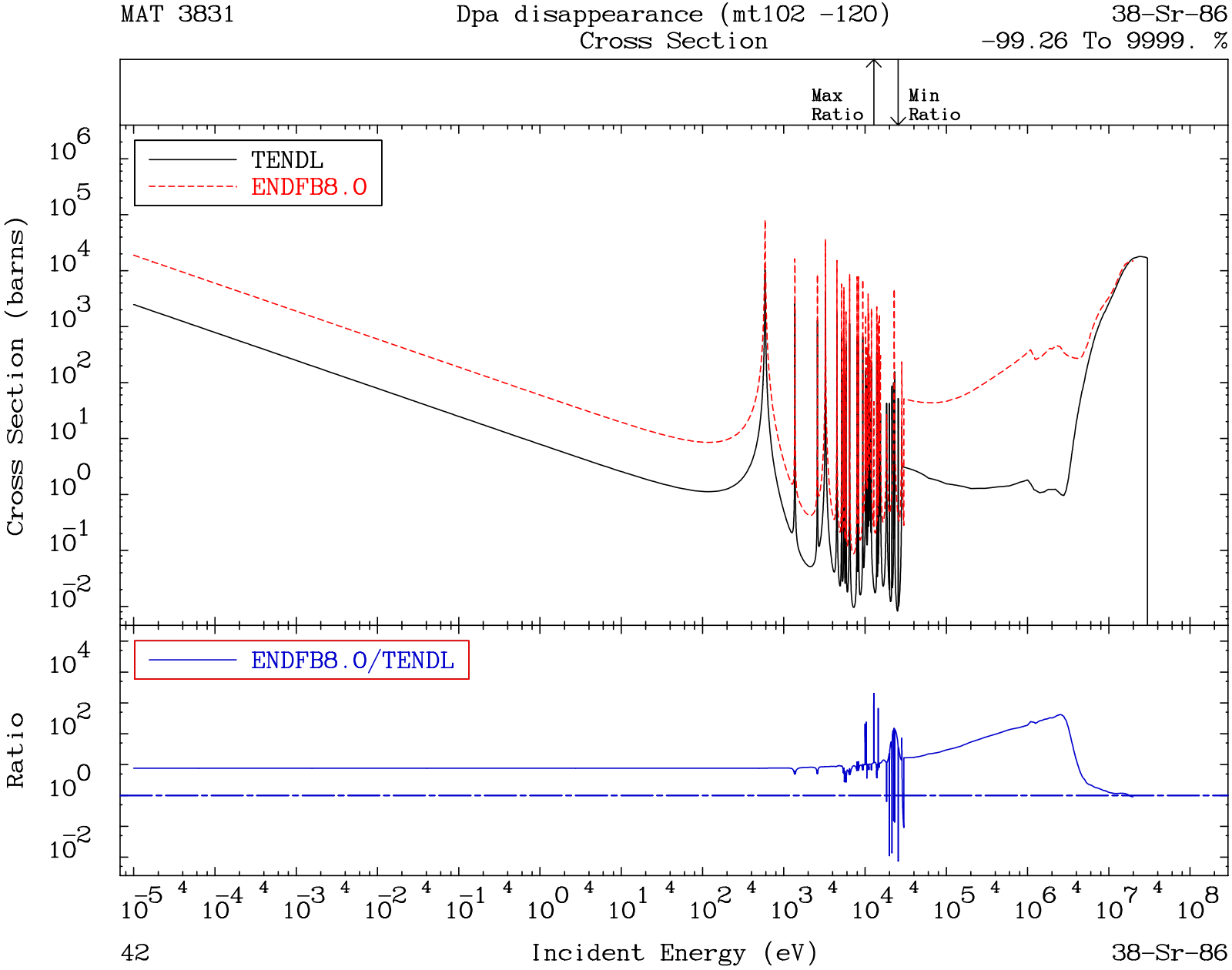

MAT 3831
Total photon (eV-barns)
Cross Section
38-Sr-86
8115. To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (Giga-barns)
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
10^8
10^6
10^4
10^2
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
37
Incident Energy (eV)
38-Sr-86


MAT 3831
Total kinematic kerma (high limit)
Cross Section
38-Sr-86
-91.69 To 2260. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
38
38-Sr-86


MAT 3831
Dpa total (eV-barns)
Cross Section
38-Sr-86
-91.71 To 2310. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
39
38-Sr-86


MAT 3831
Dpa elastic (mt2)
Cross Section
38-Sr-86
-97.44 To 4097. %
Min Ratio
Max Ratio
TENDL Threshold 500.47 eV
ENDFB8.0 Threshold 531.63 eV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
40
38-Sr-86


MAT 3831
Dpa inelastic (mt51-91)
Cross Section
38-Sr-86
-100.0 To 46.51 %
Min Ratio
Max Ratio
TENDL Threshold 1.0893 MeV
ENDFB8.0 Threshold 1.0913 MeV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
41
38-Sr-86


MAT 3831
Dpa disappearance (mt102 -120)
Cross Section
38-Sr-86
-99.26 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
42
38-Sr-86