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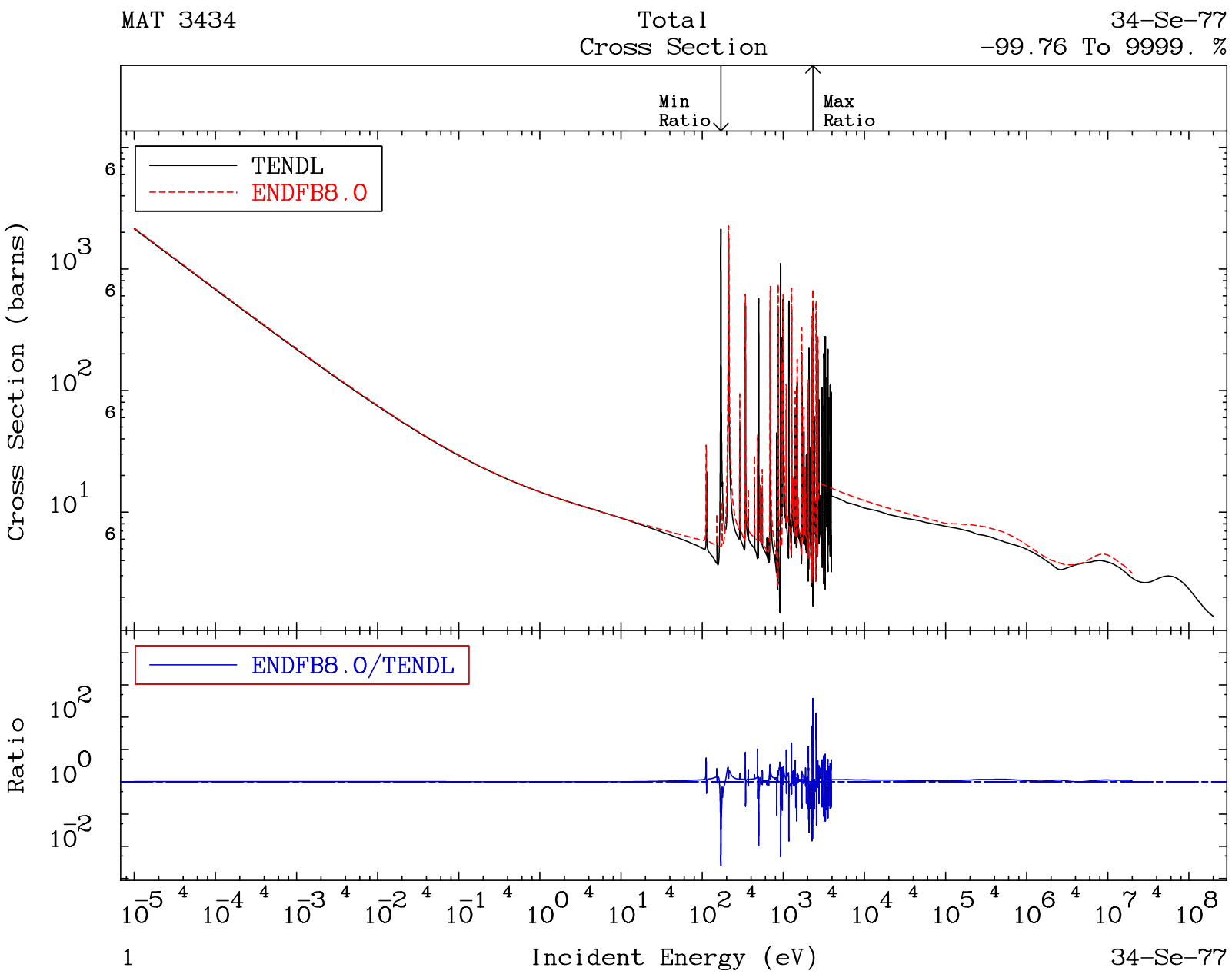
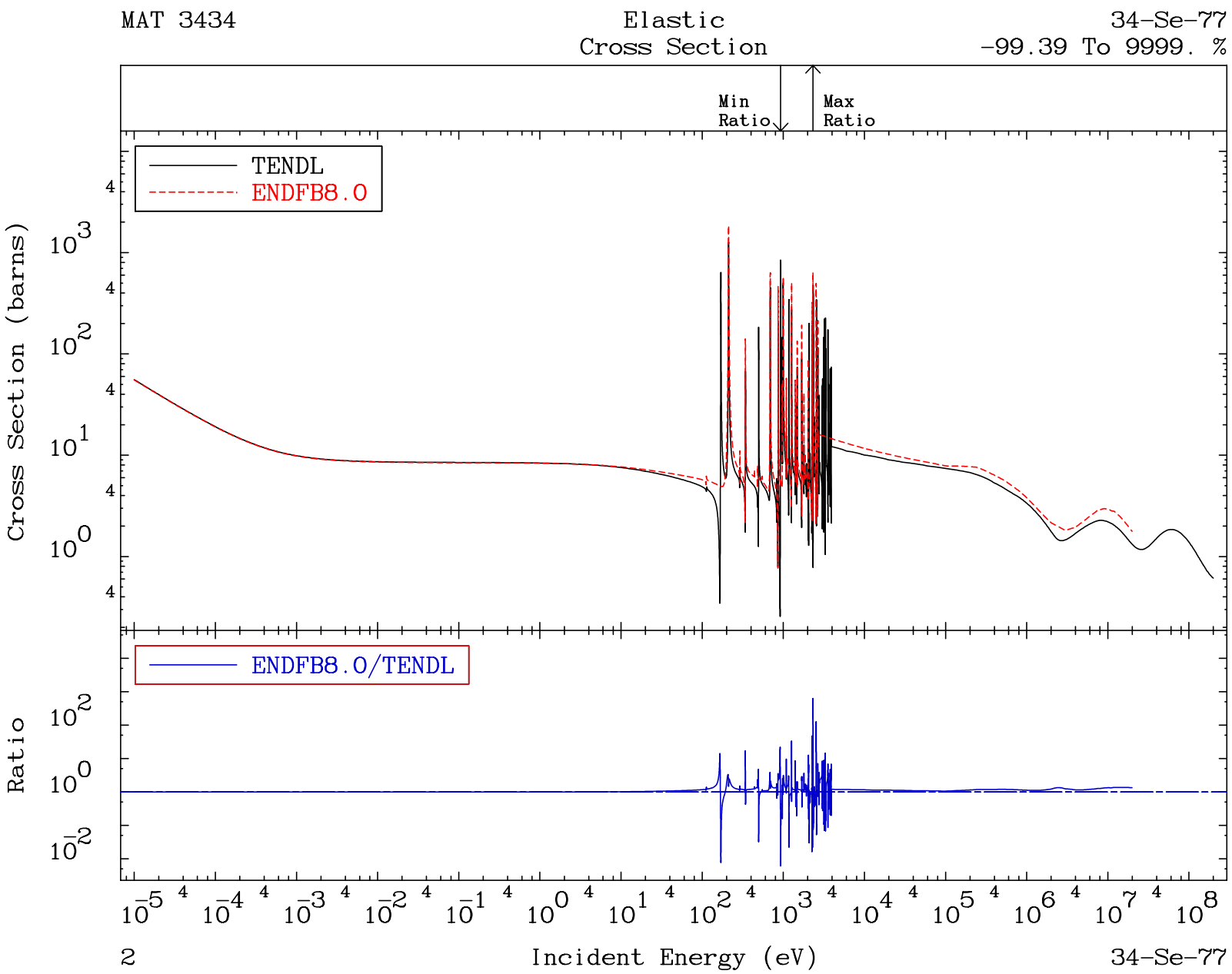
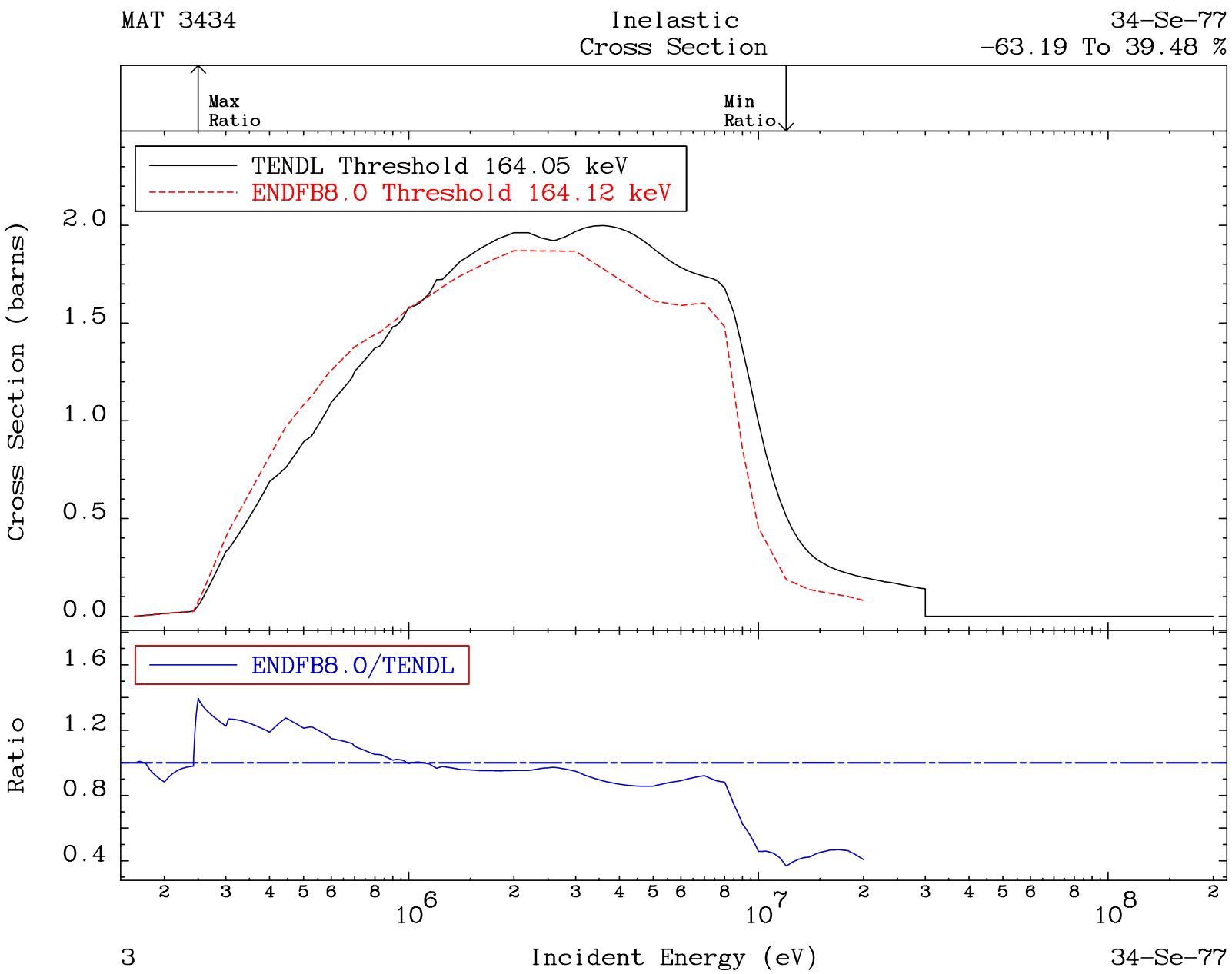
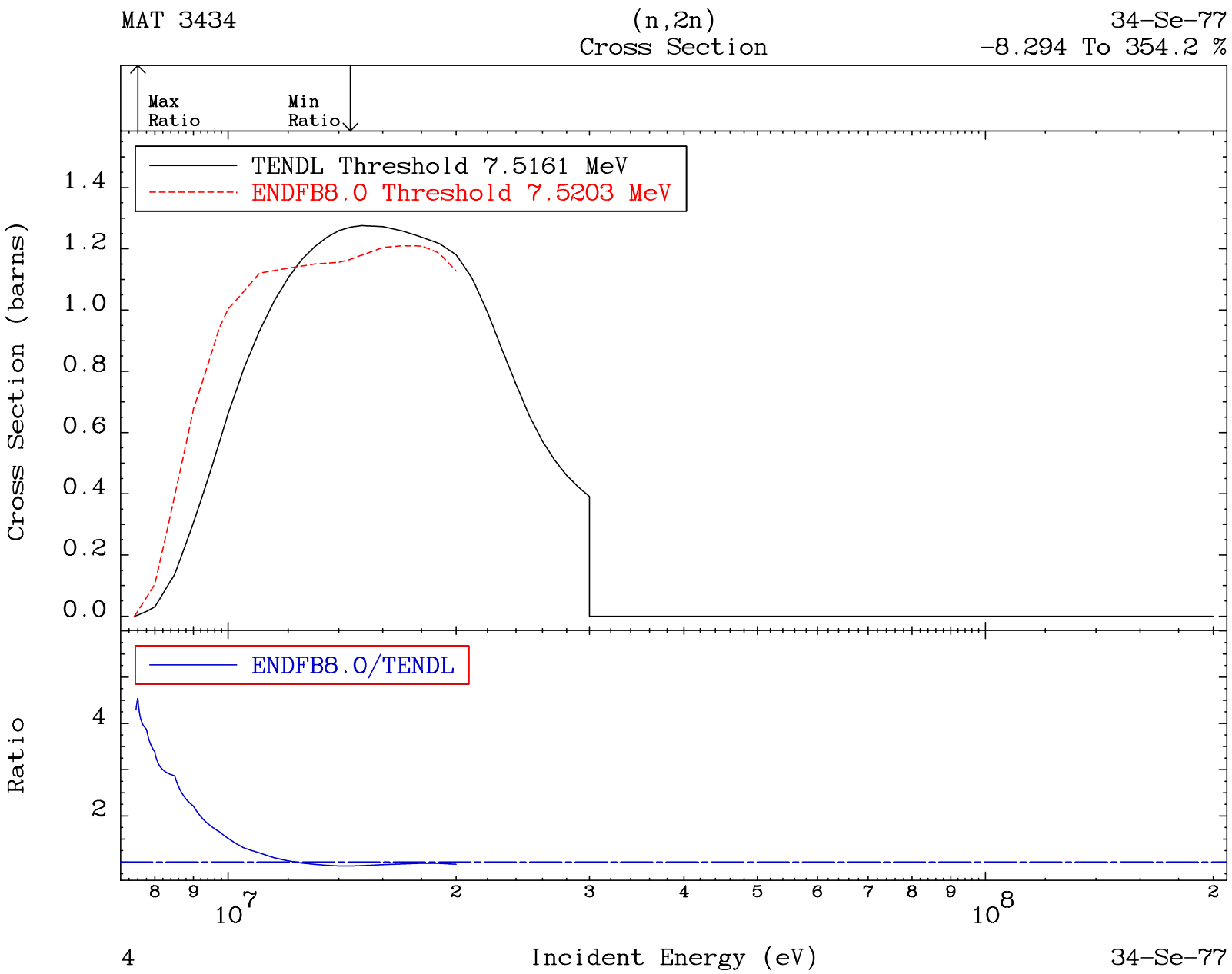
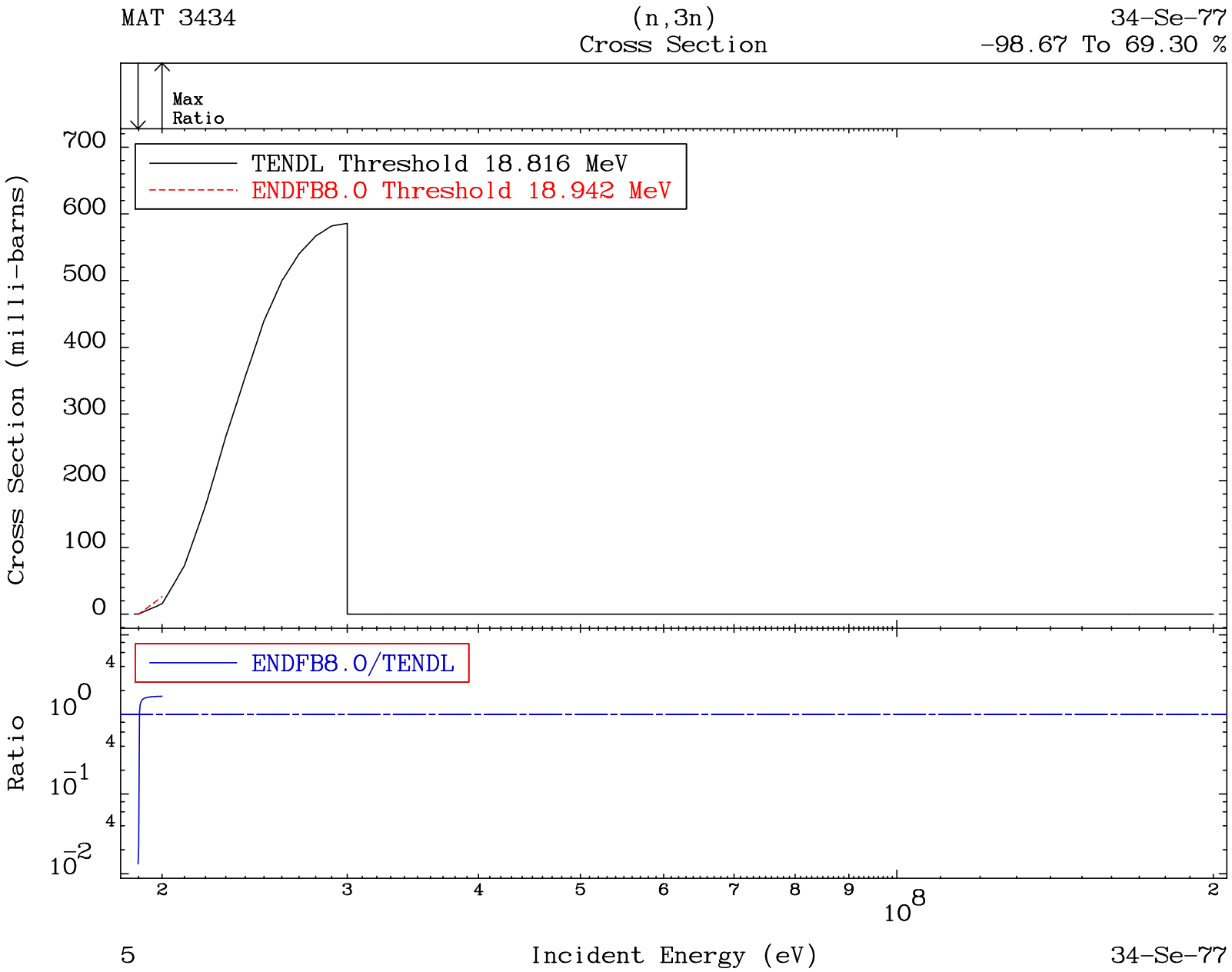
Press Mouse Button to Start

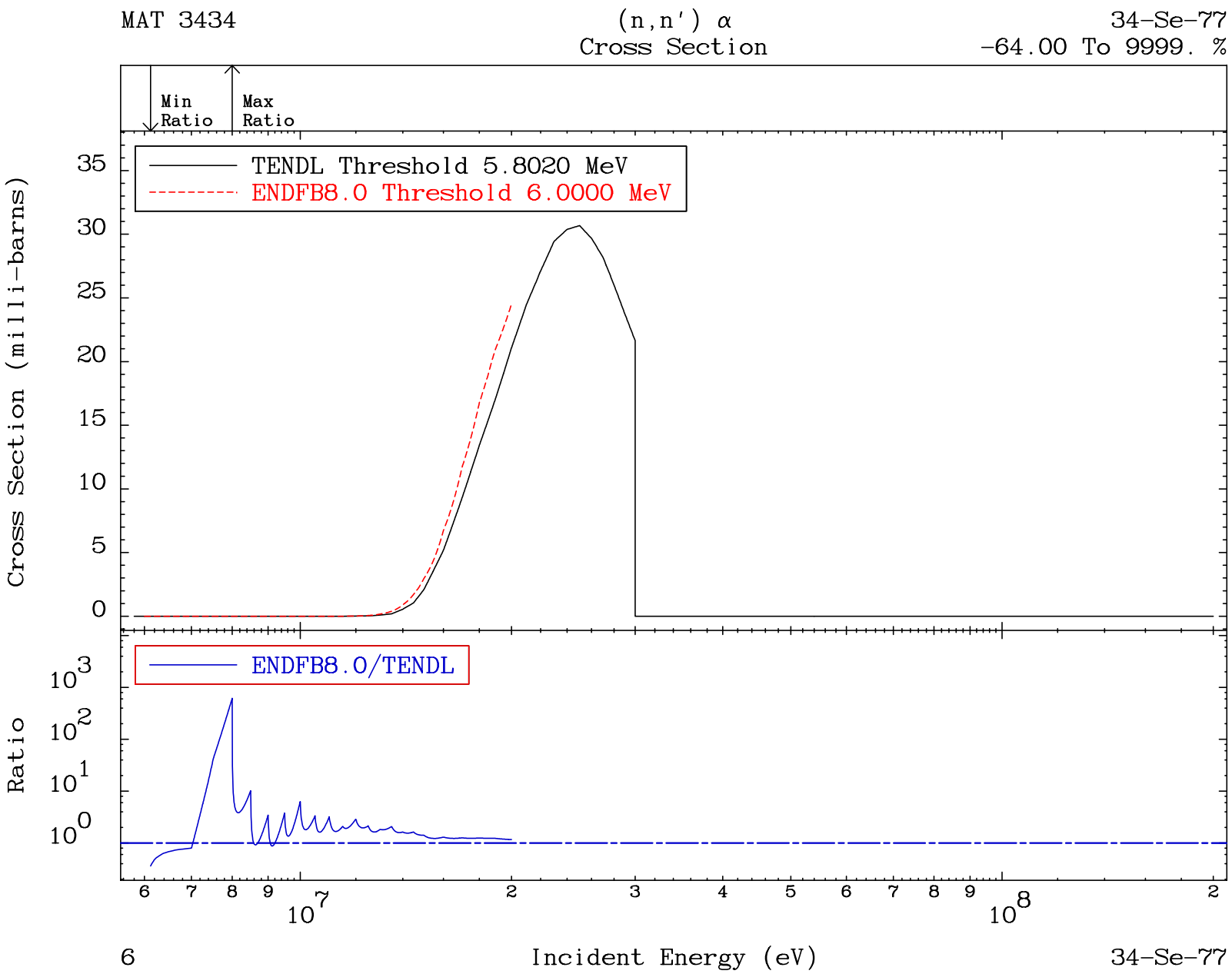

MAT 3434
Total
Cross Section
34-Se-77
-99.76 To 9999. %
Min
Ratio
Max
Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
1
34-Se-77

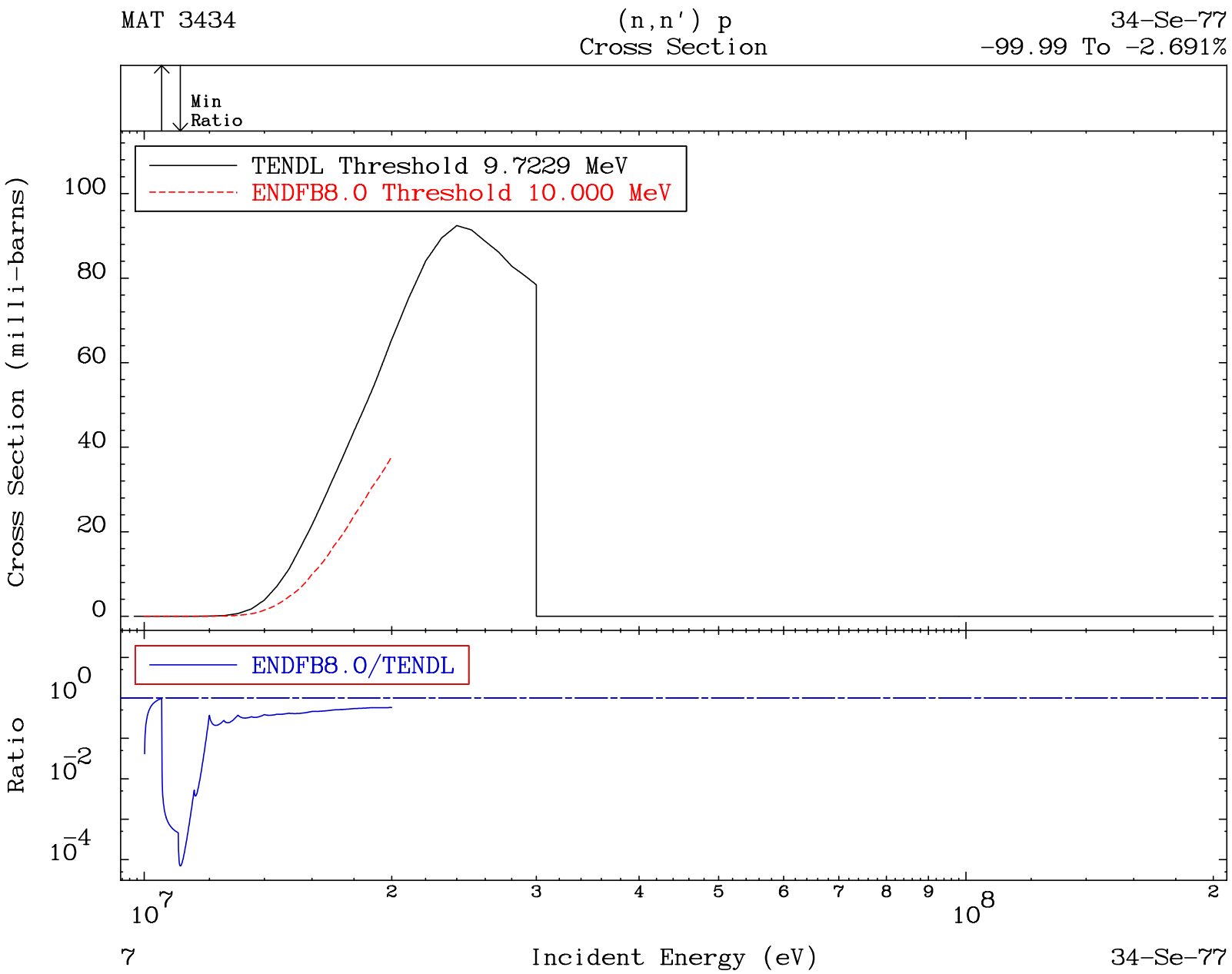

MAT 3434
Elastic
Cross Section
34-Se-77
-99.39 To 9999. %
Min
Ratio
Max
Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
2
34-Se-77

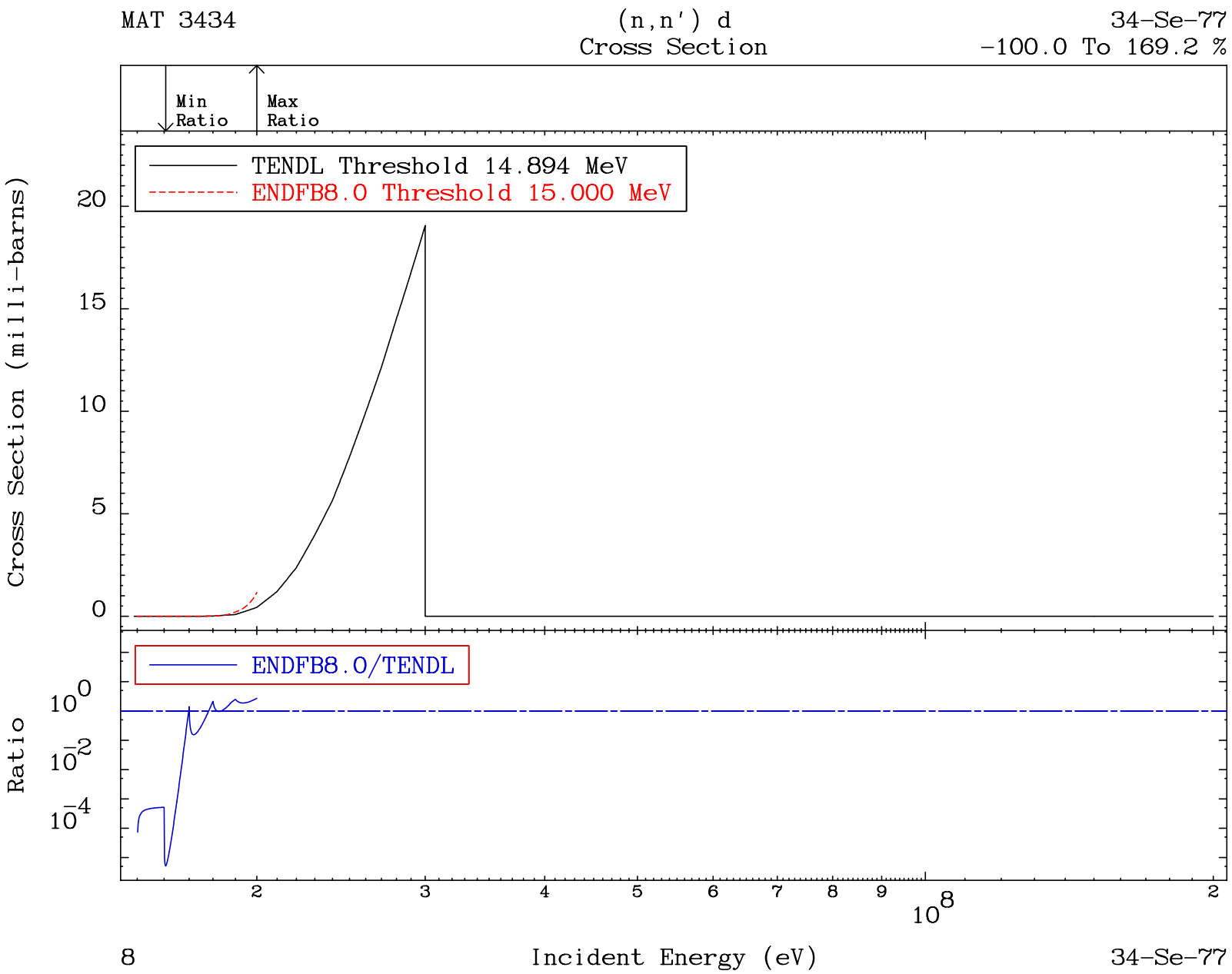

MAT 3434
Inelastic
Cross Section
34-Se-77
-63.19 To 39.48 %
Max
Ratio
Min
Ratio
TENDL Threshold 164.05 keV
ENDFB8.0 Threshold 164.12 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
1.6
1.2
0.8
0.4
2
3
4
5
6
8
10^6
10^7
10^8
3
Incident Energy (eV)
34-Se-77

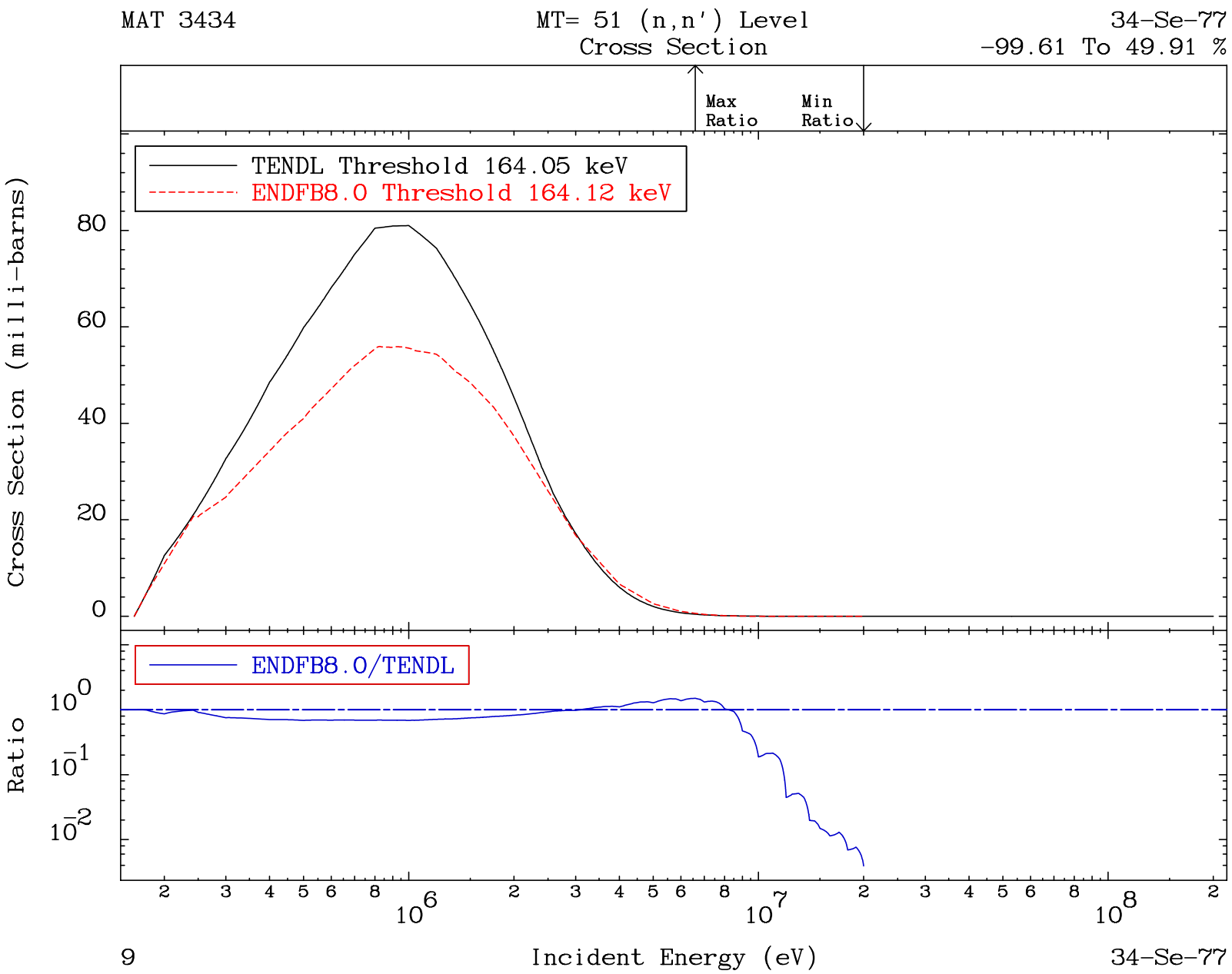

MAT 3434
(n,2n)
Cross Section
34-Se-77
-8.294 To 354.2 %
Max Ratio
Min Ratio
TENDL Threshold 7.5161 MeV
ENDFB8.0 Threshold 7.5203 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
ENDFB8.0/TENDL
Ratio
4
2
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
4
Incident Energy (eV)
34-Se-77

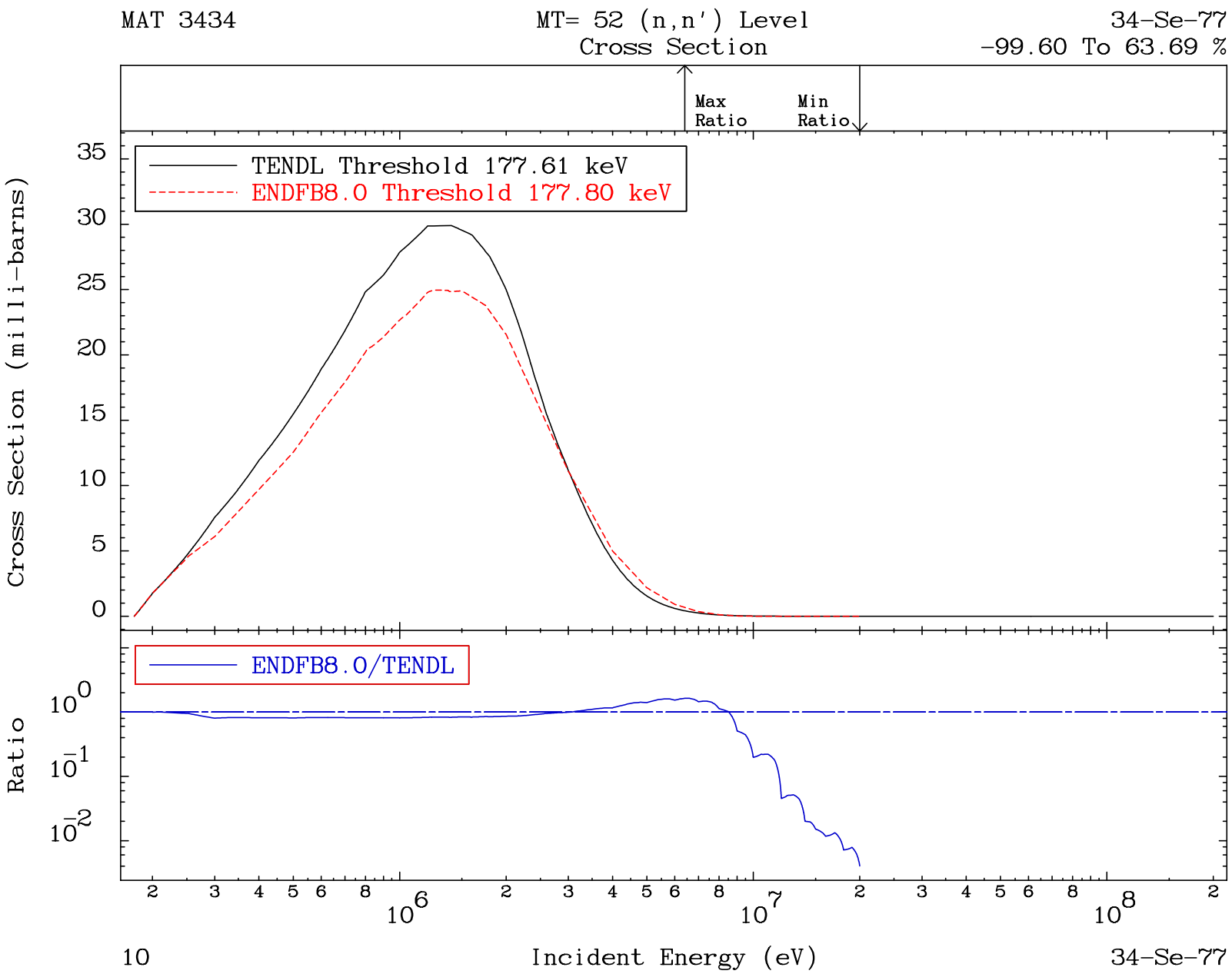

MAT 3434
(n,3n)
Cross Section
34-Se-77
-98.67 To 69.30 %
Max
Ratio
TENDL Threshold 18.816 MeV
ENDFB8.0 Threshold 18.942 MeV
Cross Section (milli-barns)
700
600
500
400
300
200
100
0
ENDFB8.0/TENDL
Ratio
10^0
10^-1
10^-2
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
34-Se-77

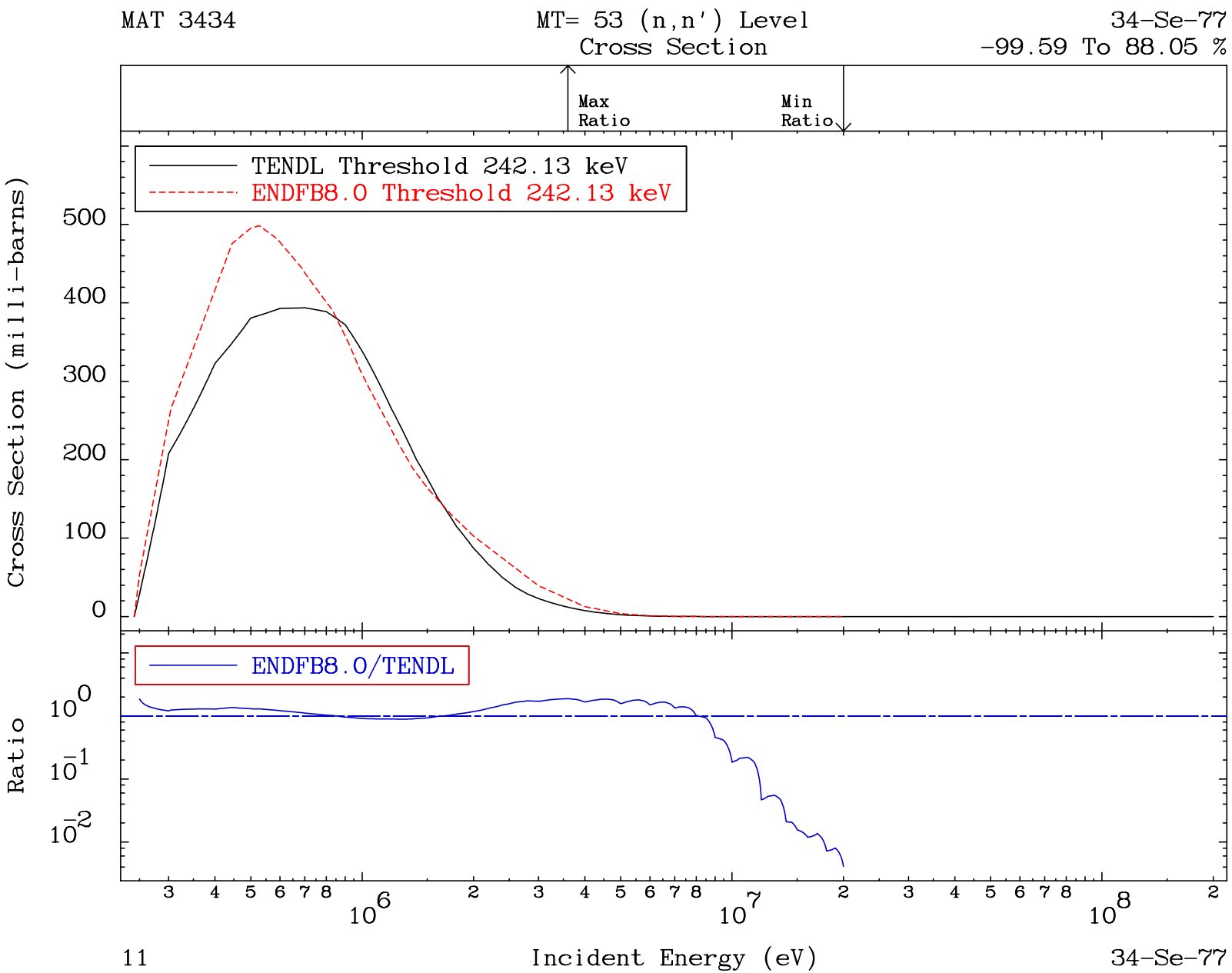

MAT 3434
(n,n') α
Cross Section
34-Se-77
-64.00 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.8020 MeV
ENDFB8.0 Threshold 6.0000 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
10^3
10^2
10^1
10^0
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
6
Incident Energy (eV)
34-Se-77

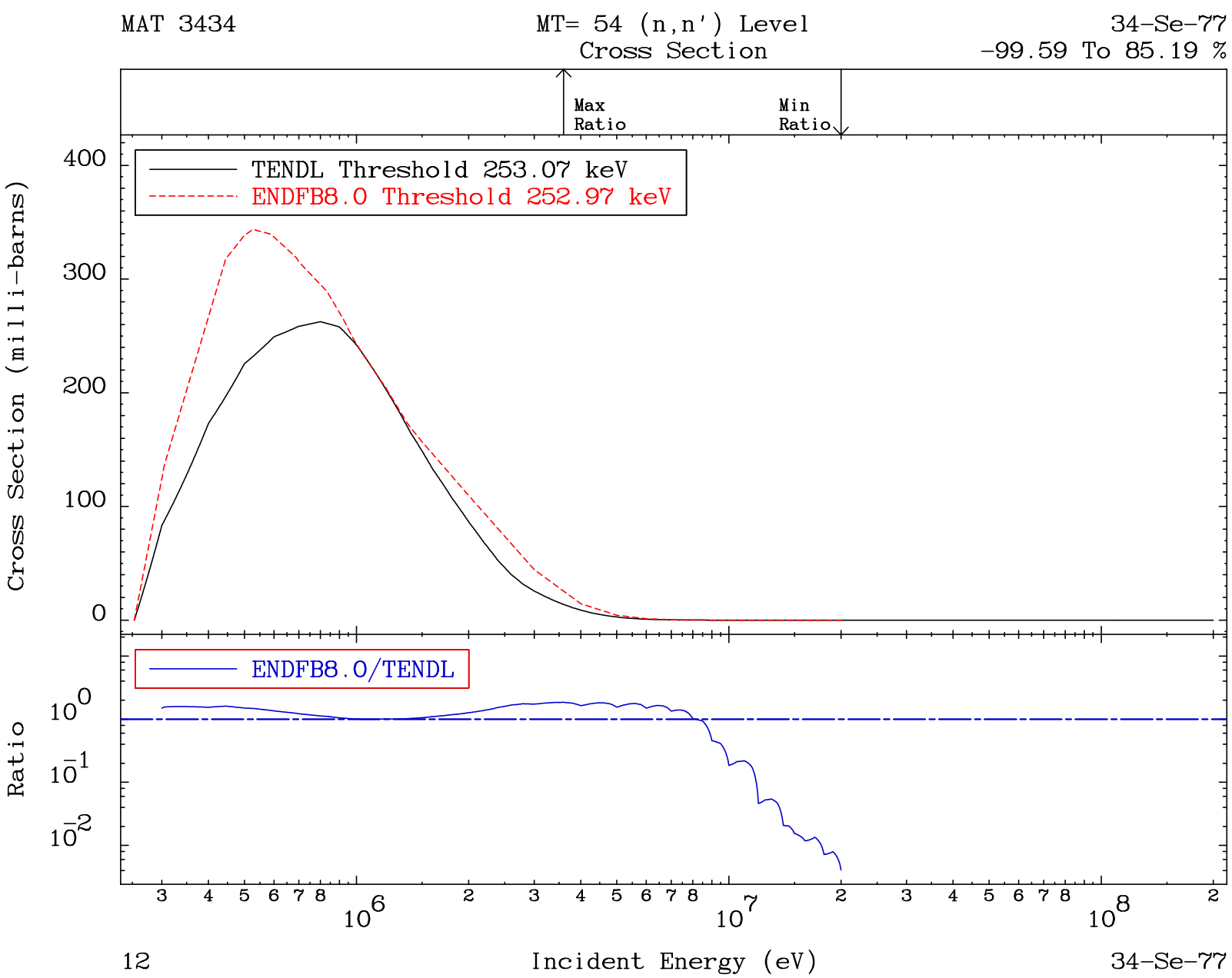

MAT 3434
(n,n') p
Cross Section
34-Se-77
-99.99 To -2.691%
Min
Ratio
TENDL Threshold 9.7229 MeV
ENDFB8.0 Threshold 10.000 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
10^-4
10^7
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
34-Se-77

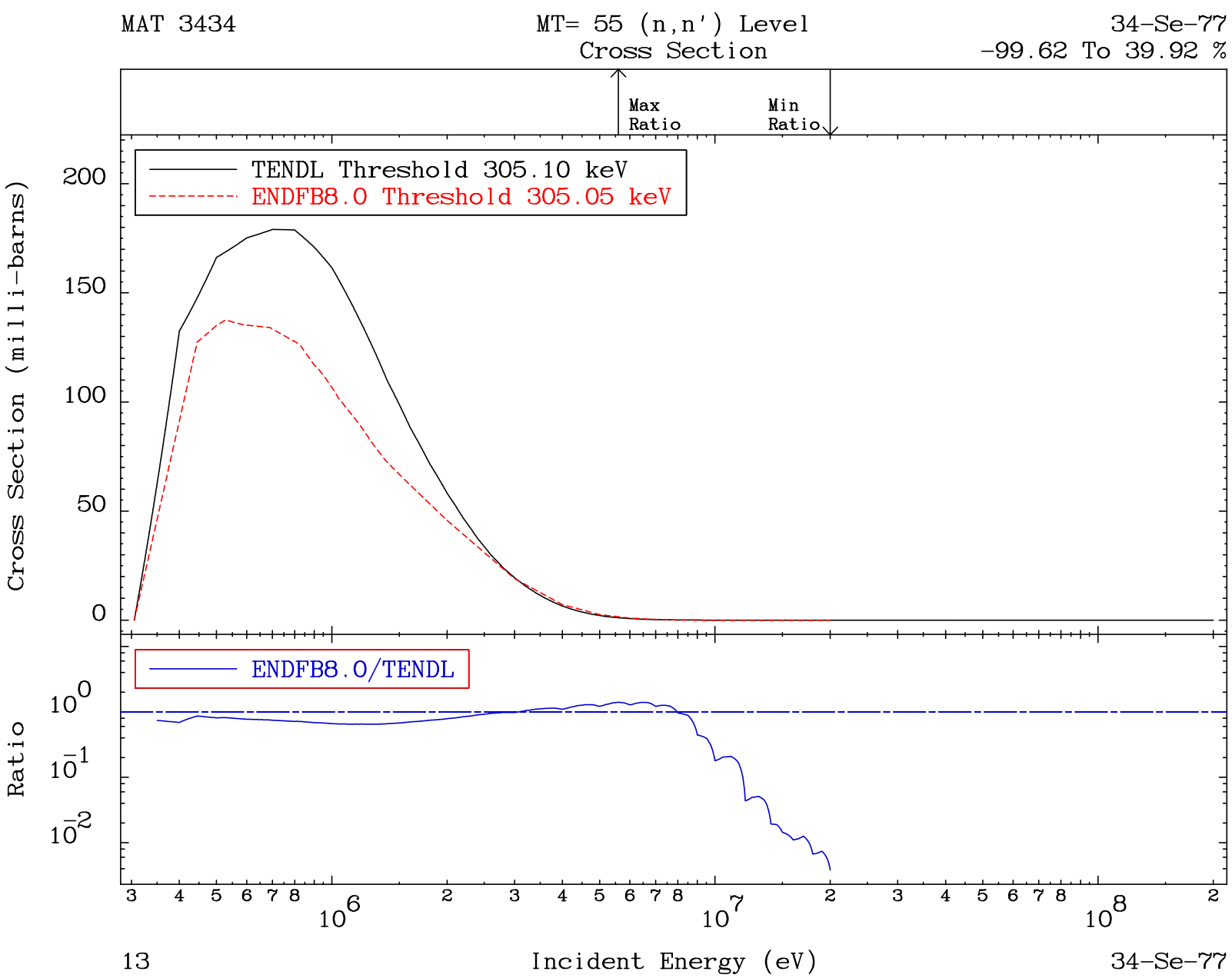

MAT 3434
(n,n') d
Cross Section
34-Se-77
-100.0 To 169.2 %
Min Ratio
Max Ratio
TENDL Threshold 14.894 MeV
ENDFB8.0 Threshold 15.000 MeV
Cross Section (milli-barns)
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
10^-4
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
34-Se-77

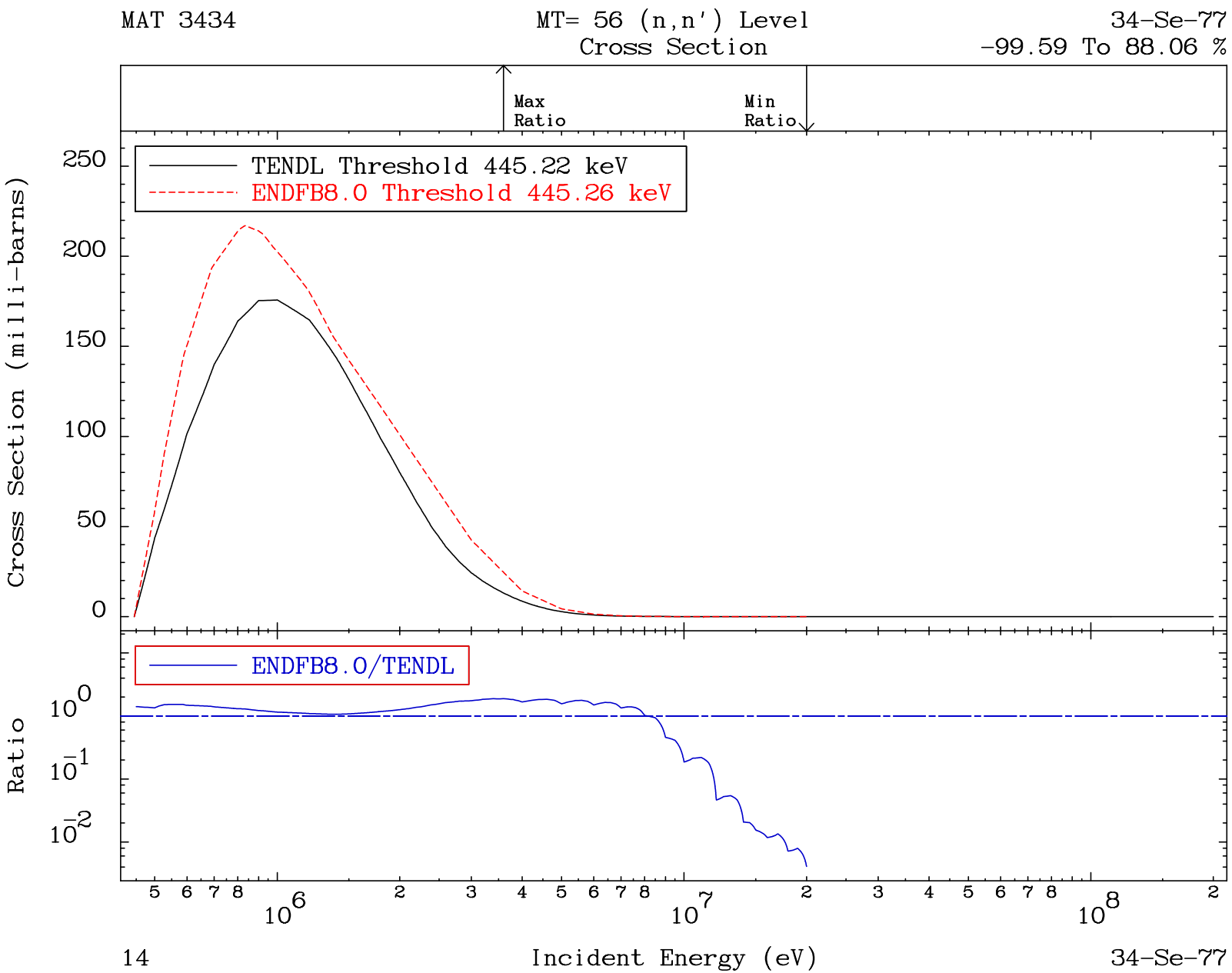

MAT 3434
MT= 51 (n,n') Level
Cross Section
34-Se-77
-99.61 To 49.91 %
Max Ratio
Min Ratio
TENDL Threshold 164.05 keV
ENDFB8.0 Threshold 164.12 keV
Cross Section (milli-barns)
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-1
10^-2
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
9
Incident Energy (eV)
34-Se-77

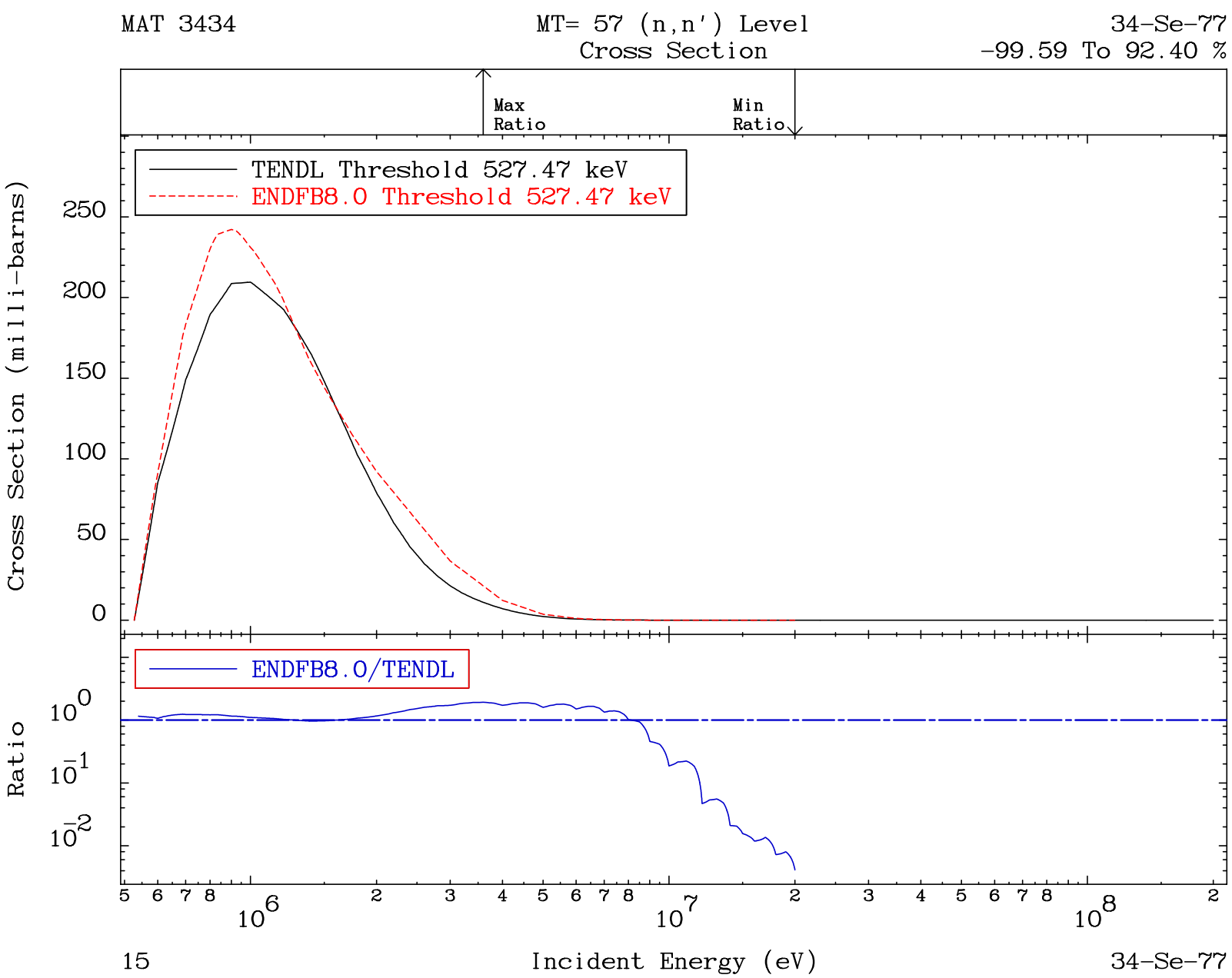

MAT 3434
MT= 52 (n,n') Level
Cross Section
34-Se-77
-99.60 To 63.69 %
Max Ratio
Min Ratio
TENDL Threshold 177.61 keV
ENDFB8.0 Threshold 177.80 keV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
10^0
10^-1
10^-2
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
10
Incident Energy (eV)
34-Se-77

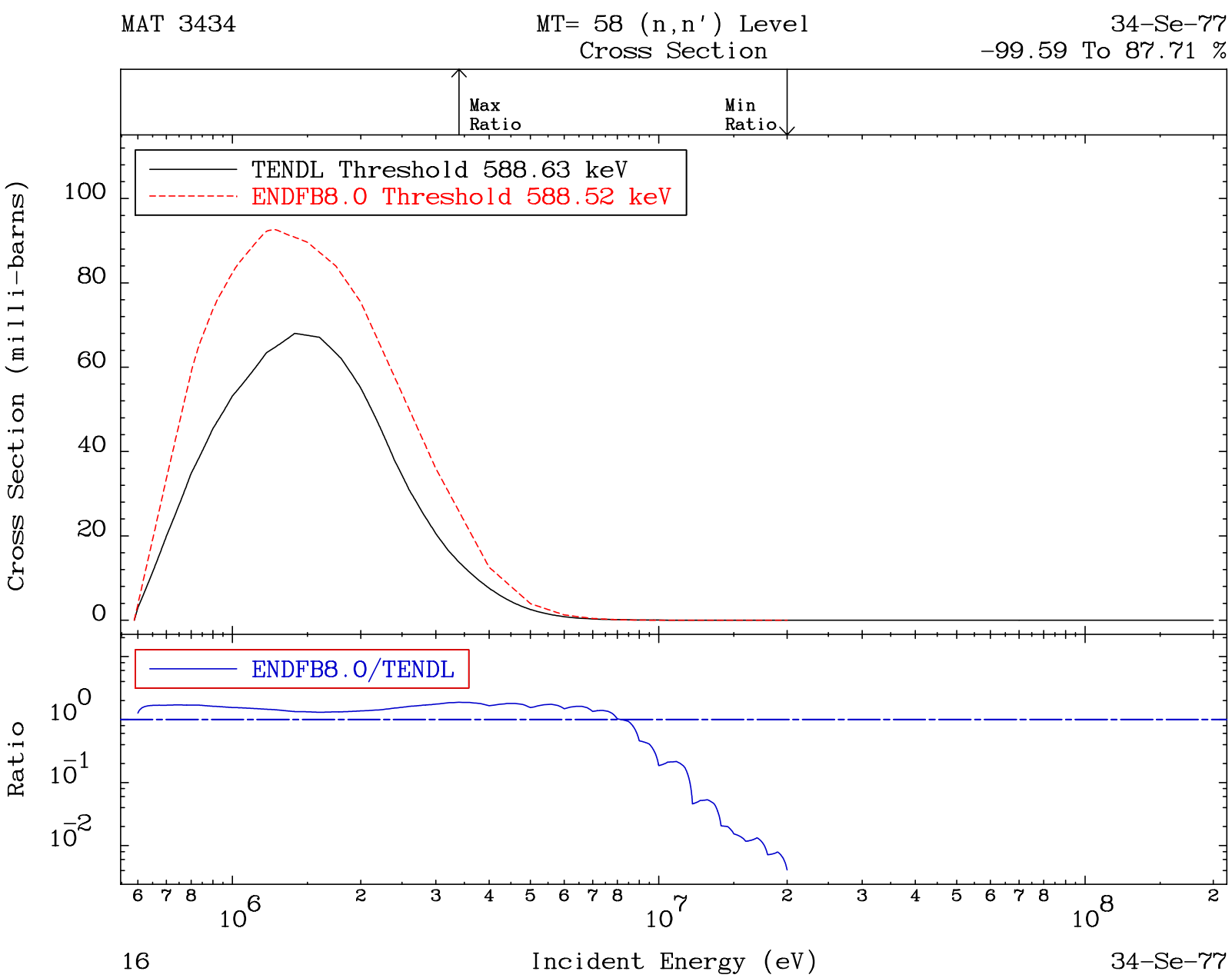

MAT 3434
MT= 53 (n,n') Level
Cross Section
34-Se-77
-99.59 To 88.05 %
Max
Ratio
Min
Ratio
TENDL Threshold 242.13 keV
ENDFB8.0 Threshold 242.13 keV
Cross Section (milli-barns)
500
400
300
200
100
0
ENDFB8.0/TENDL
Ratio
10^0
10^-1
10^-2
3 4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
11
Incident Energy (eV)
34-Se-77

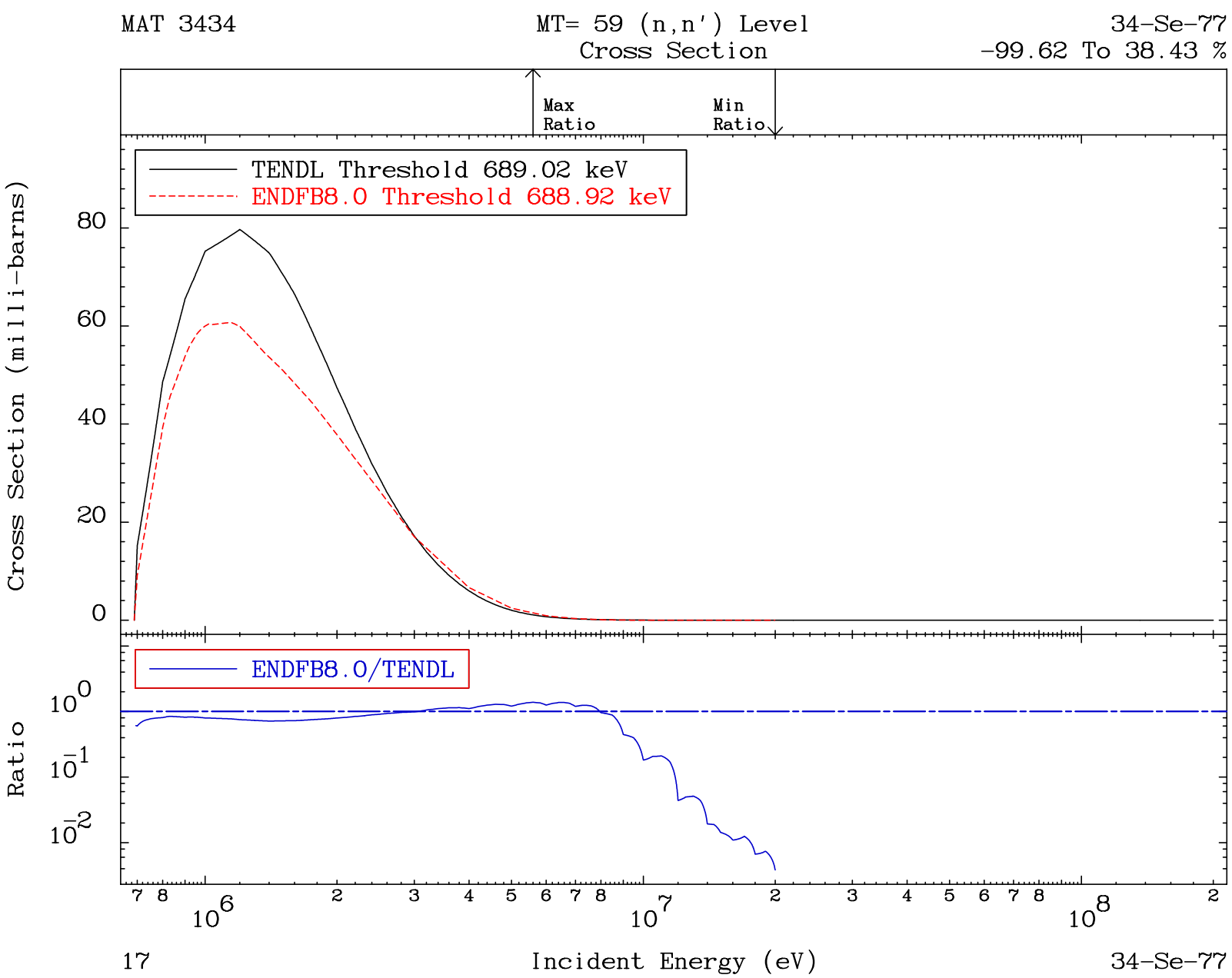

MAT 3434
MT= 54 (n,n') Level
Cross Section
34-Se-77
-99.59 To 85.19 %
Max
Ratio
Min
Ratio
TENDL Threshold 253.07 keV
ENDFB8.0 Threshold 252.97 keV
Cross Section (milli-barns)
400
300
200
100
0
ENDFB8.0/TENDL
Ratio
10^0
10^-1
10^-2
3 4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
34-Se-77

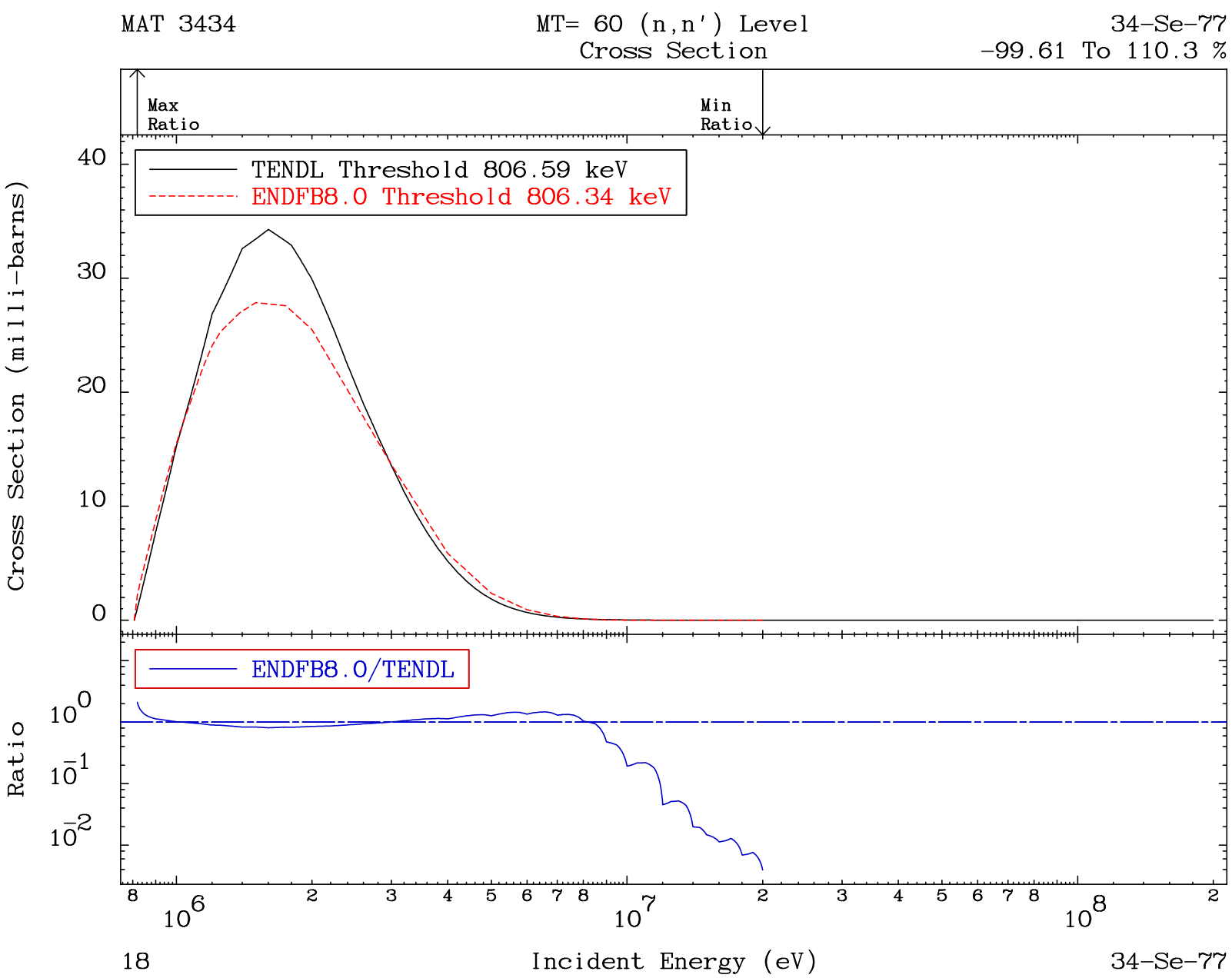

MAT 3434
MT= 55 (n,n') Level
Cross Section
34-Se-77
-99.62 To 39.92 %
Max Ratio
Min Ratio
TENDL Threshold 305.10 keV
ENDFB8.0 Threshold 305.05 keV
Cross Section (milli-barns)
200
150
100
50
0
ENDFB8.0/TENDL
Ratio
10^0
10^-1
10^-2
3 4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
34-Se-77

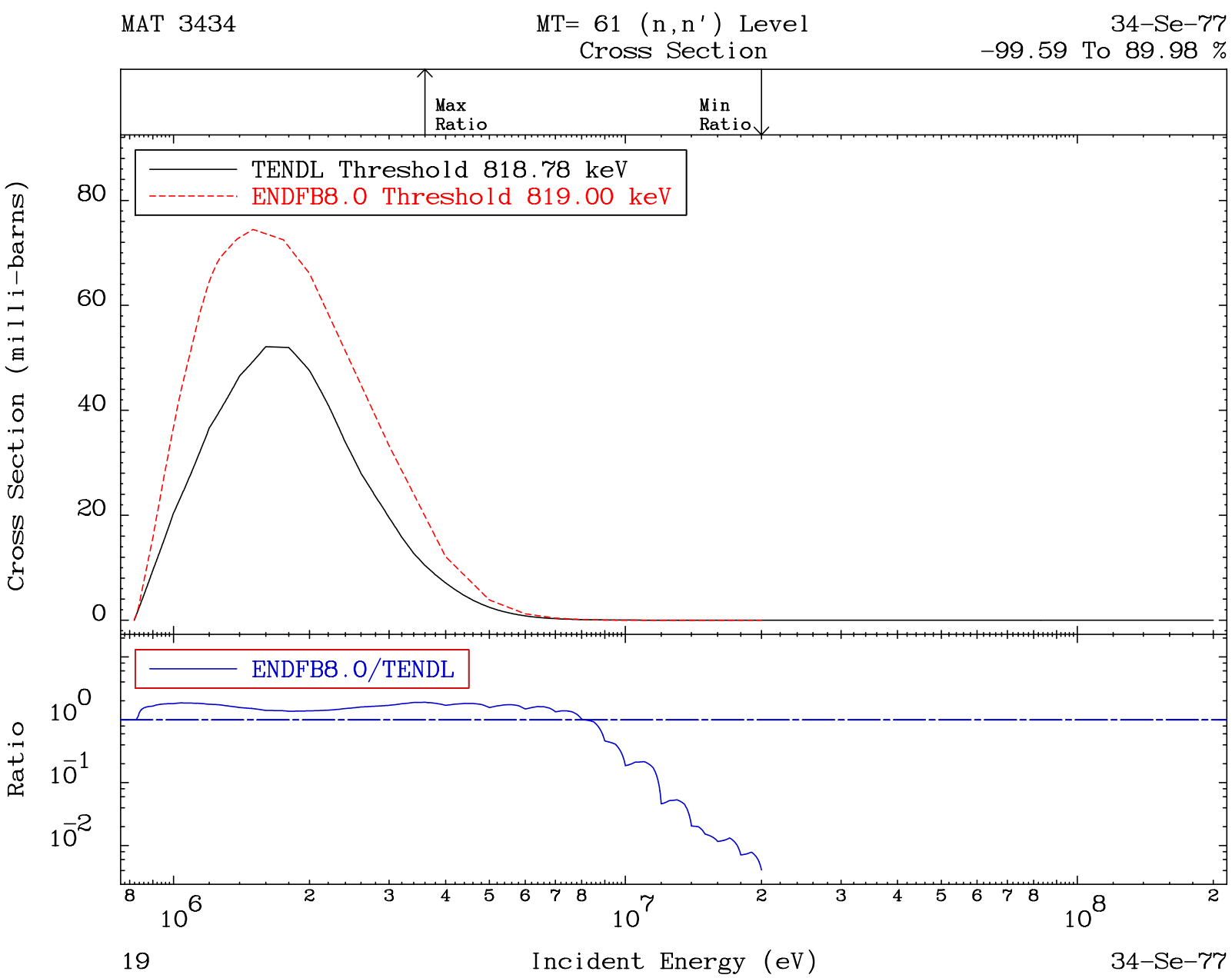

MAT 3434
MT= 56 (n,n') Level
Cross Section
34-Se-77
-99.59 To 88.06 %
Max
Ratio
Min
Ratio
TENDL Threshold 445.22 keV
ENDFB8.0 Threshold 445.26 keV
Cross Section (milli-barns)
250
200
150
100
50
0
ENDFB8.0/TENDL
Ratio
10^0
10^-1
10^-2
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
34-Se-77

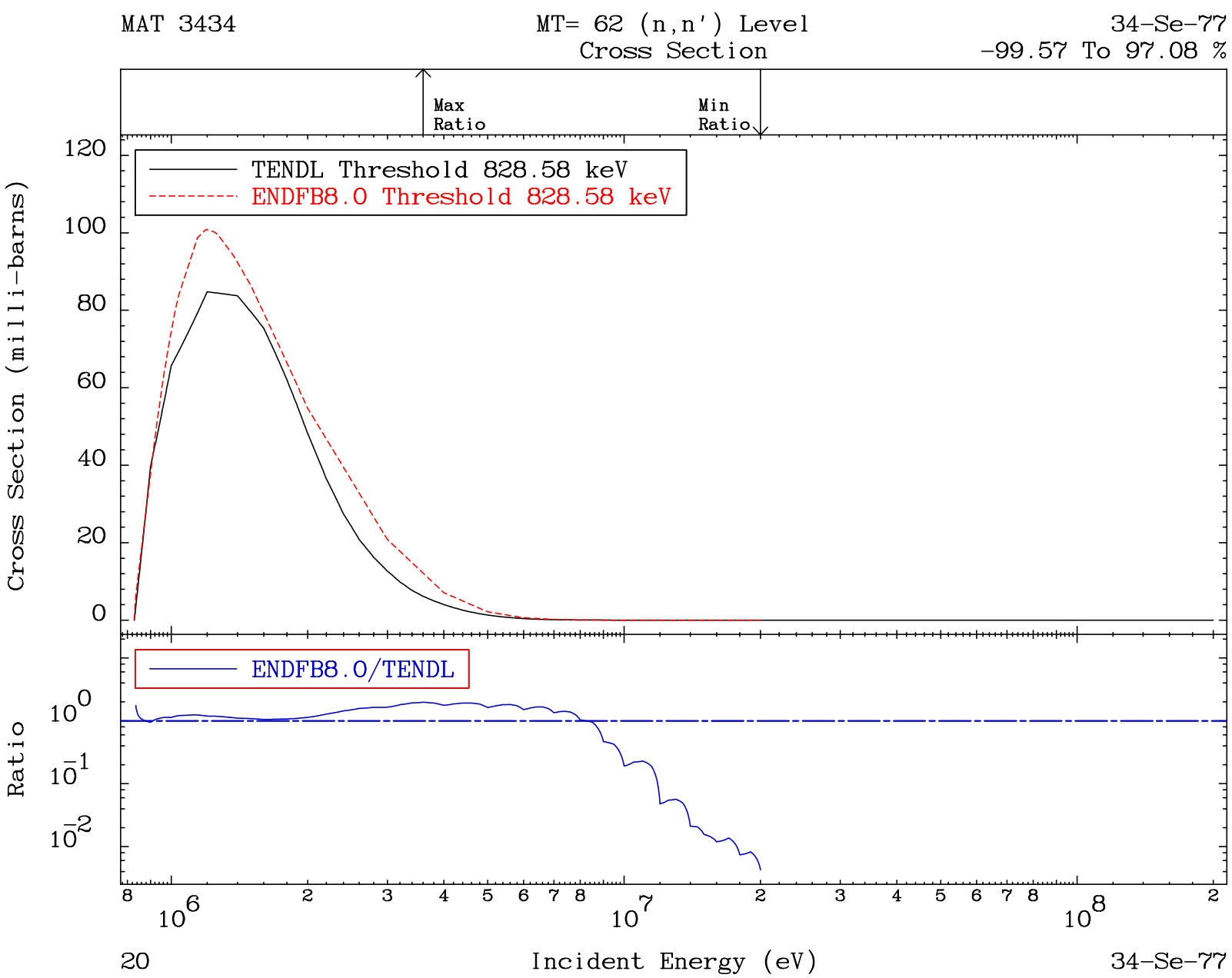

MAT 3434
MT= 57 (n,n') Level
Cross Section
34-Se-77
-99.59 To 92.40 %
Max
Ratio
Min
Ratio
TENDL Threshold 527.47 keV
ENDFB8.0 Threshold 527.47 keV
Cross Section (milli-barns)
250
200
150
100
50
0
ENDFB8.0/TENDL
Ratio
10^0
10^-1
10^-2
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
34-Se-77

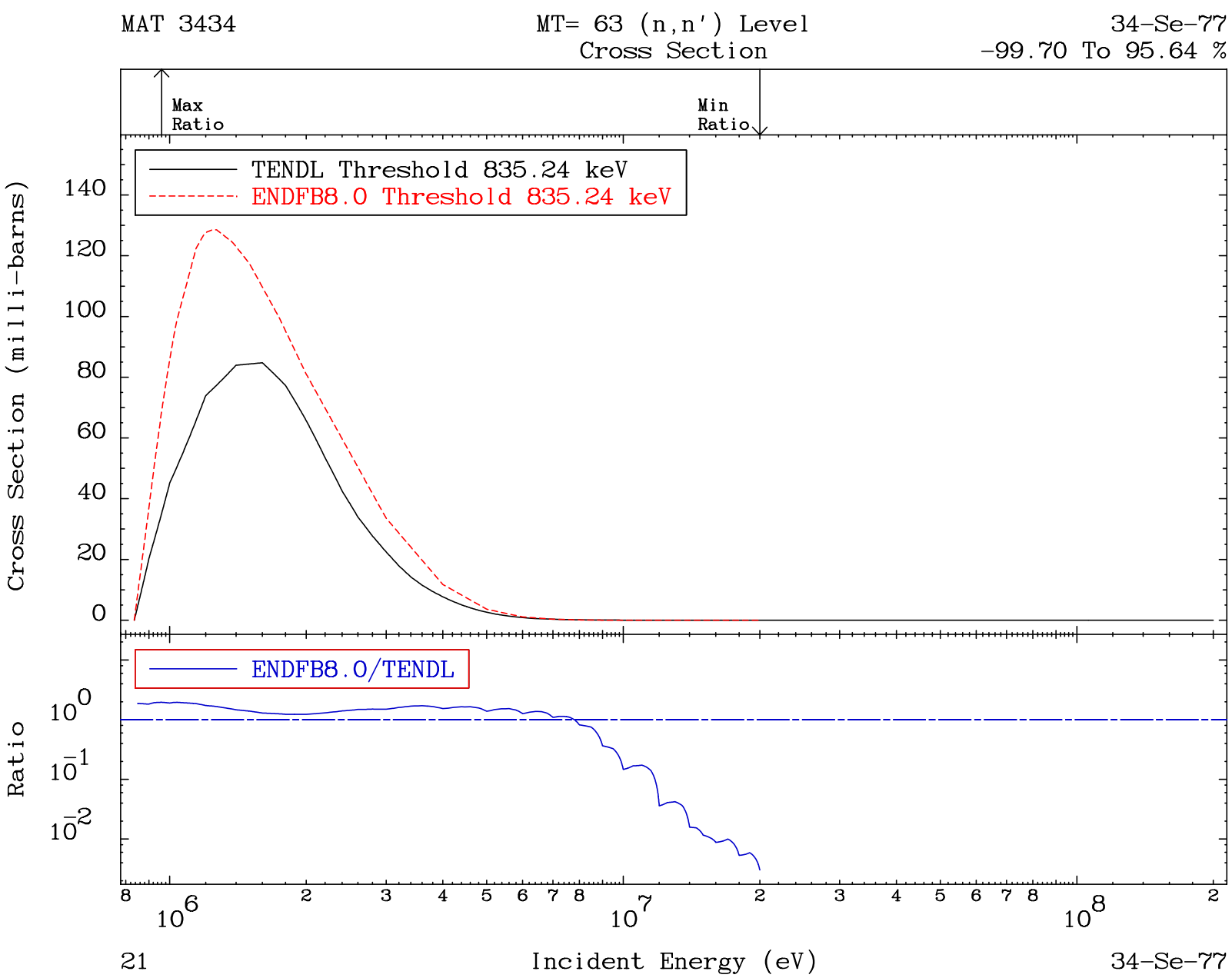

MAT 3434
MT= 58 (n,n') Level
Cross Section
34-Se-77
-99.59 To 87.71 %
Max
Ratio
Min
Ratio
TENDL Threshold 588.63 keV
ENDFB8.0 Threshold 588.52 keV
Cross Section (milli-barns)
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-1
10^-2
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
34-Se-77

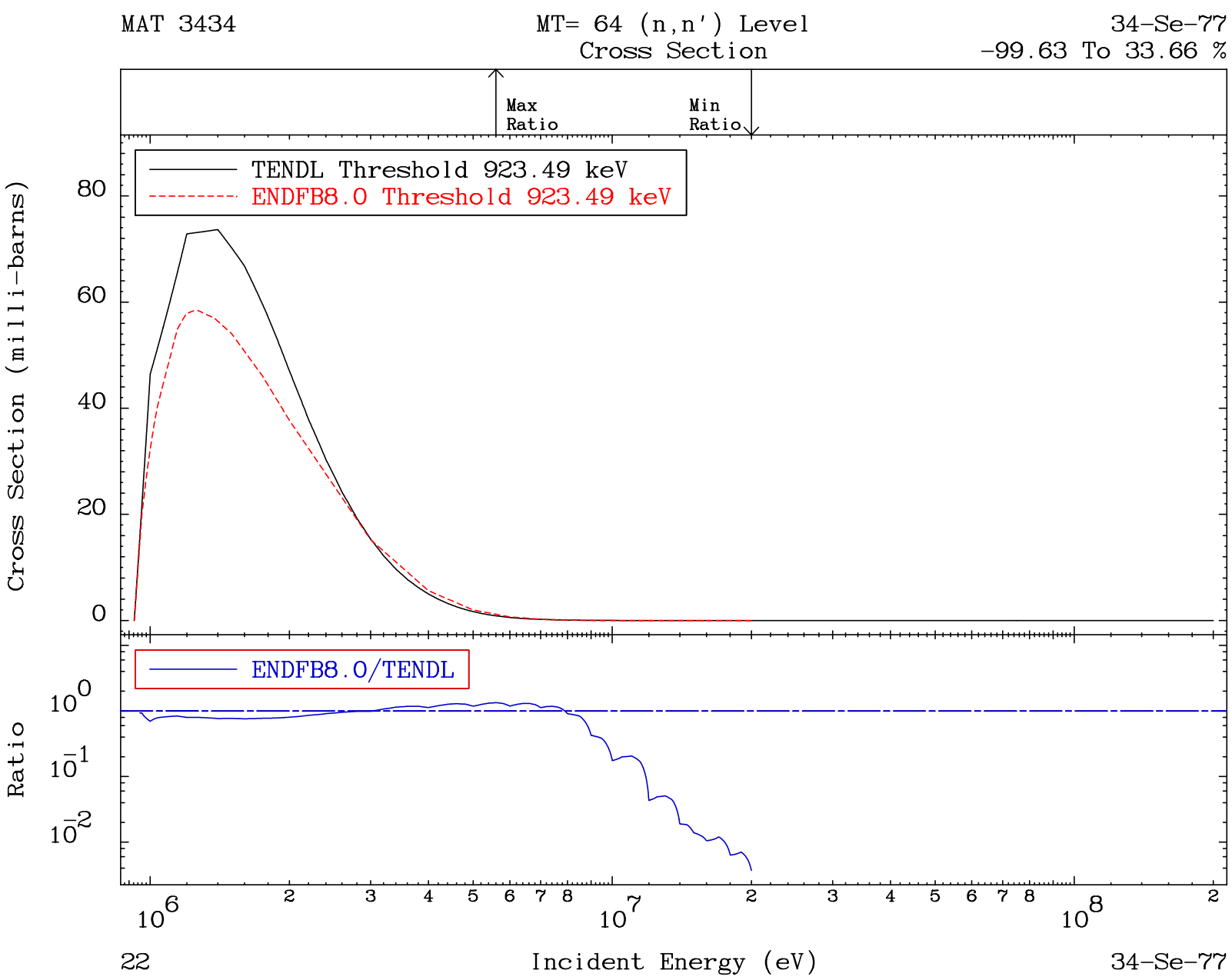

MAT 3434
MT= 59 (n,n') Level
Cross Section
34-Se-77
-99.62 To 38.43 %
Max
Ratio
Min
Ratio
TENDL Threshold 689.02 keV
ENDFB8.0 Threshold 688.92 keV
Cross Section (milli-barns)
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-1
10^-2
7 8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
17
Incident Energy (eV)
34-Se-77

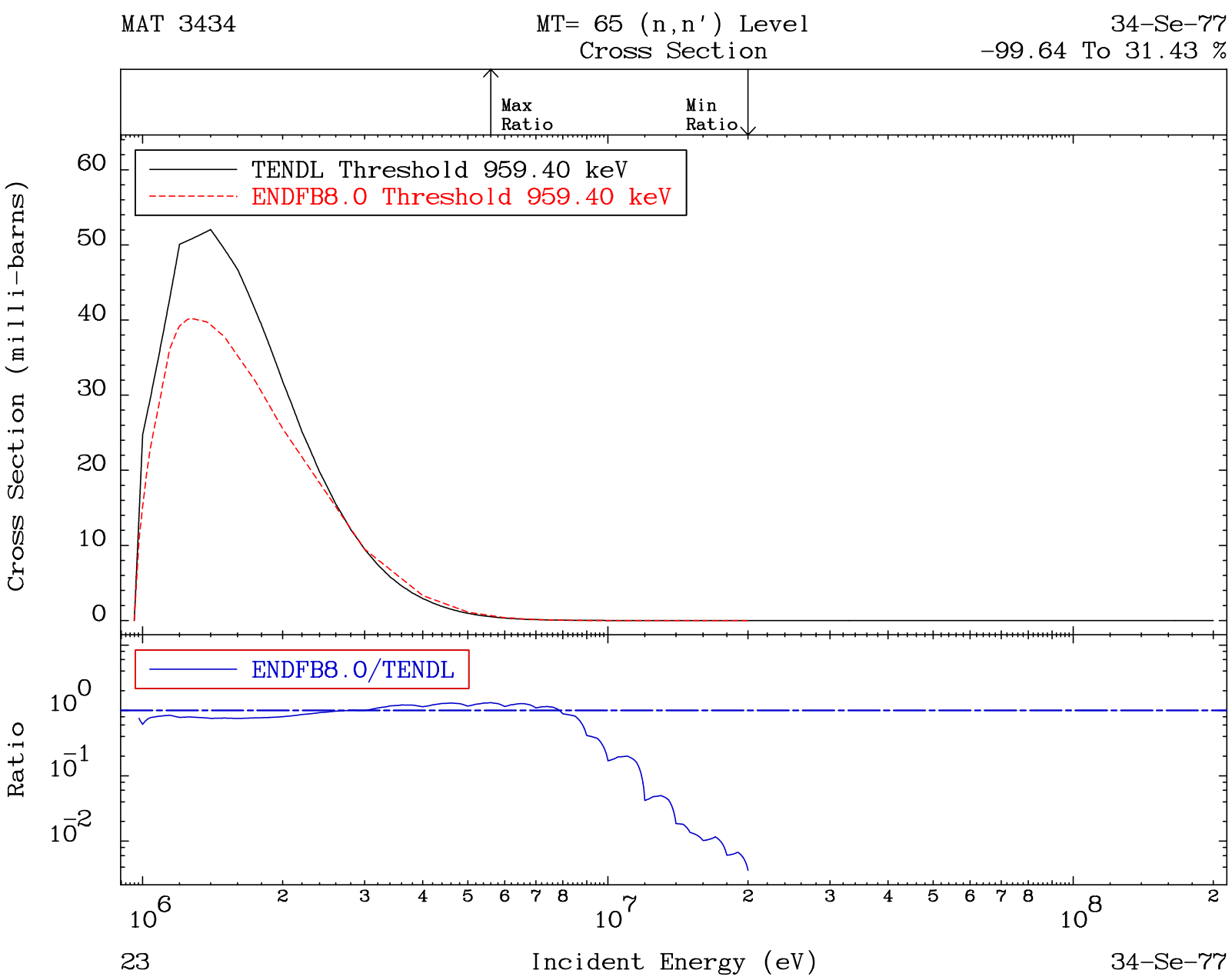

MAT 3434
MT= 60 (n,n') Level
Cross Section
34-Se-77
-99.61 To 110.3 %
Max
Ratio
Min
Ratio
TENDL Threshold 806.59 keV
ENDFB8.0 Threshold 806.34 keV
Cross Section (milli-barns)
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^0
10^-1
10^-2
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
18
Incident Energy (eV)
34-Se-77

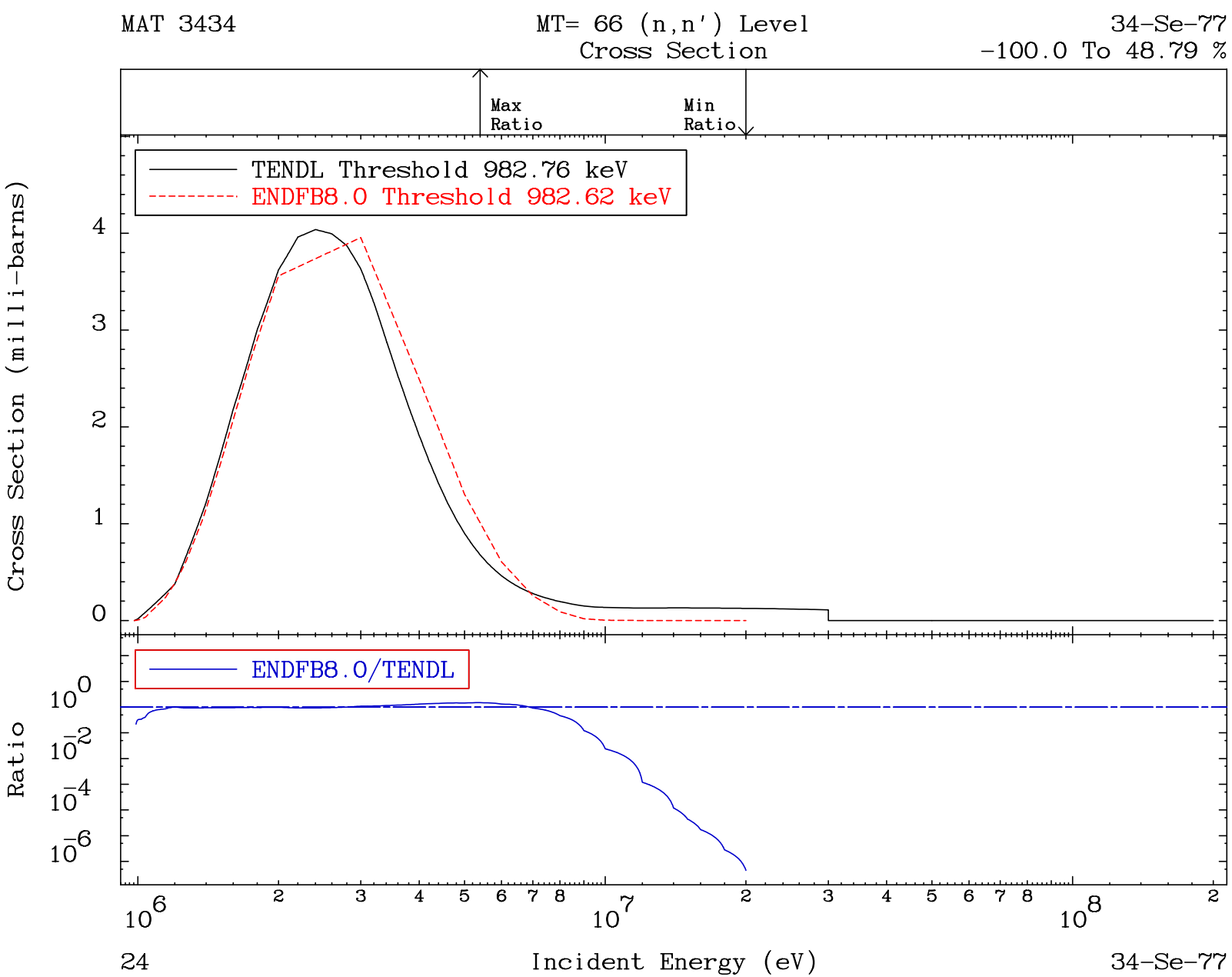

MAT 3434
MT= 61 (n,n') Level
Cross Section
34-Se-77
-99.59 To 89.98 %
Max
Ratio
Min
Ratio
TENDL Threshold 818.78 keV
ENDFB8.0 Threshold 819.00 keV
Cross Section (milli-barns)
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-1
10^-2
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
19
Incident Energy (eV)
34-Se-77

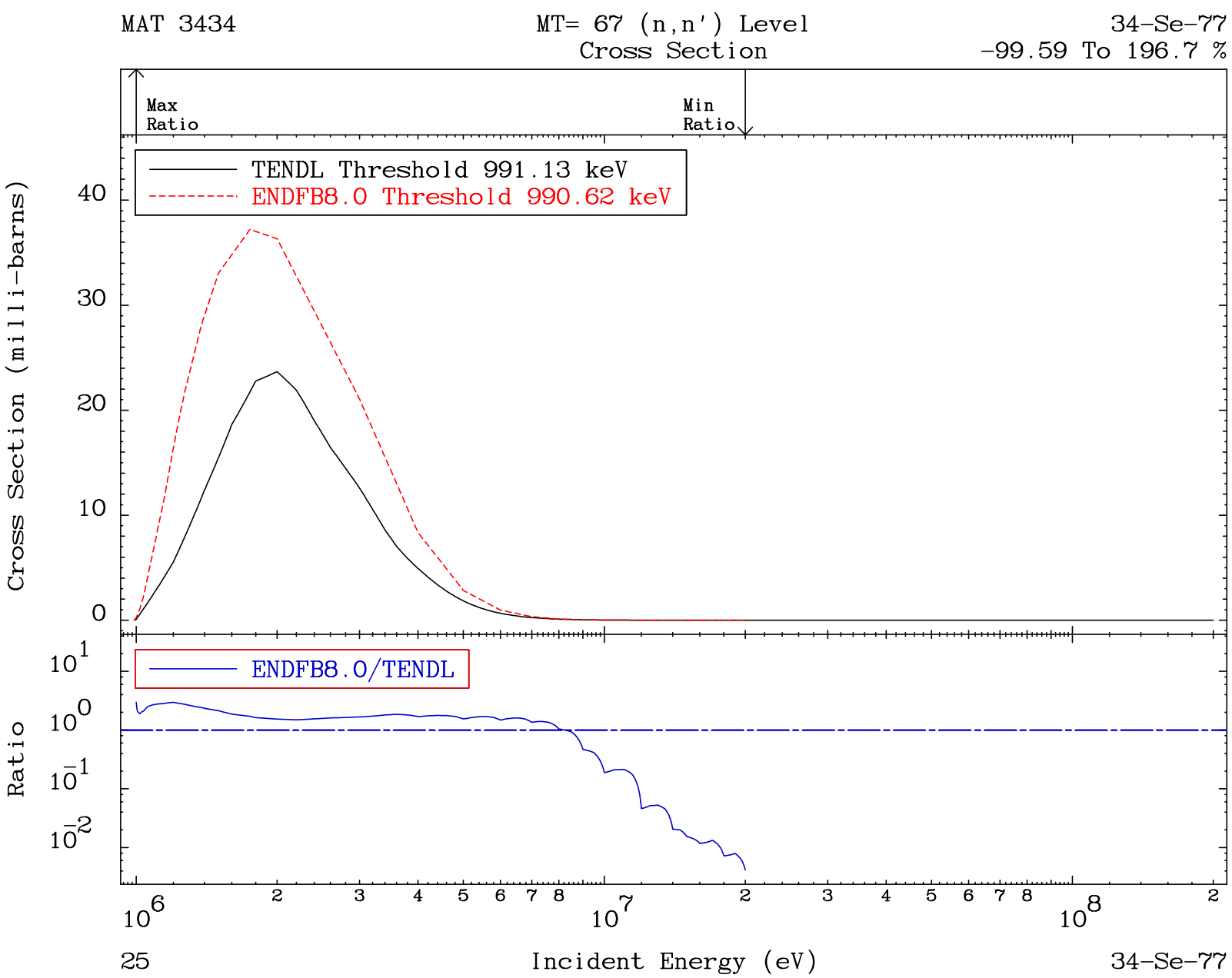

MAT 3434
MT= 62 (n,n') Level
Cross Section
34-Se-77
-99.57 To 97.08 %
Max
Ratio
Min
Ratio
TENDL Threshold 828.58 keV
ENDFB8.0 Threshold 828.58 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-1
10^-2
8
2
3
4
5
6
7
8
10^6
10^7
10^8
20
Incident Energy (eV)
34-Se-77

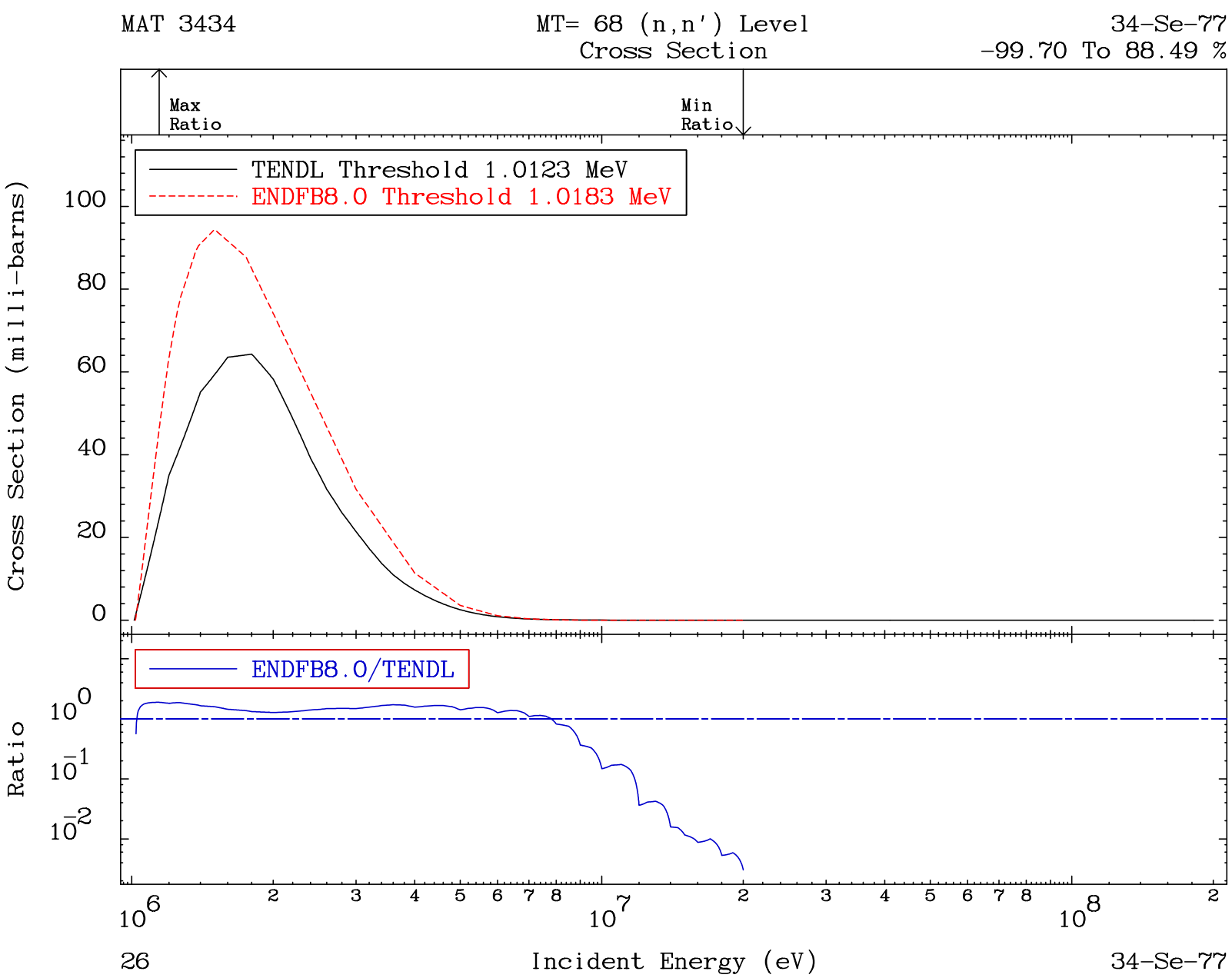

MAT 3434
MT= 63 (n,n') Level
Cross Section
34-Se-77
-99.70 To 95.64 %
Max
Ratio
Min
Ratio
TENDL Threshold 835.24 keV
ENDFB8.0 Threshold 835.24 keV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-1
10^-2
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
21
Incident Energy (eV)
34-Se-77

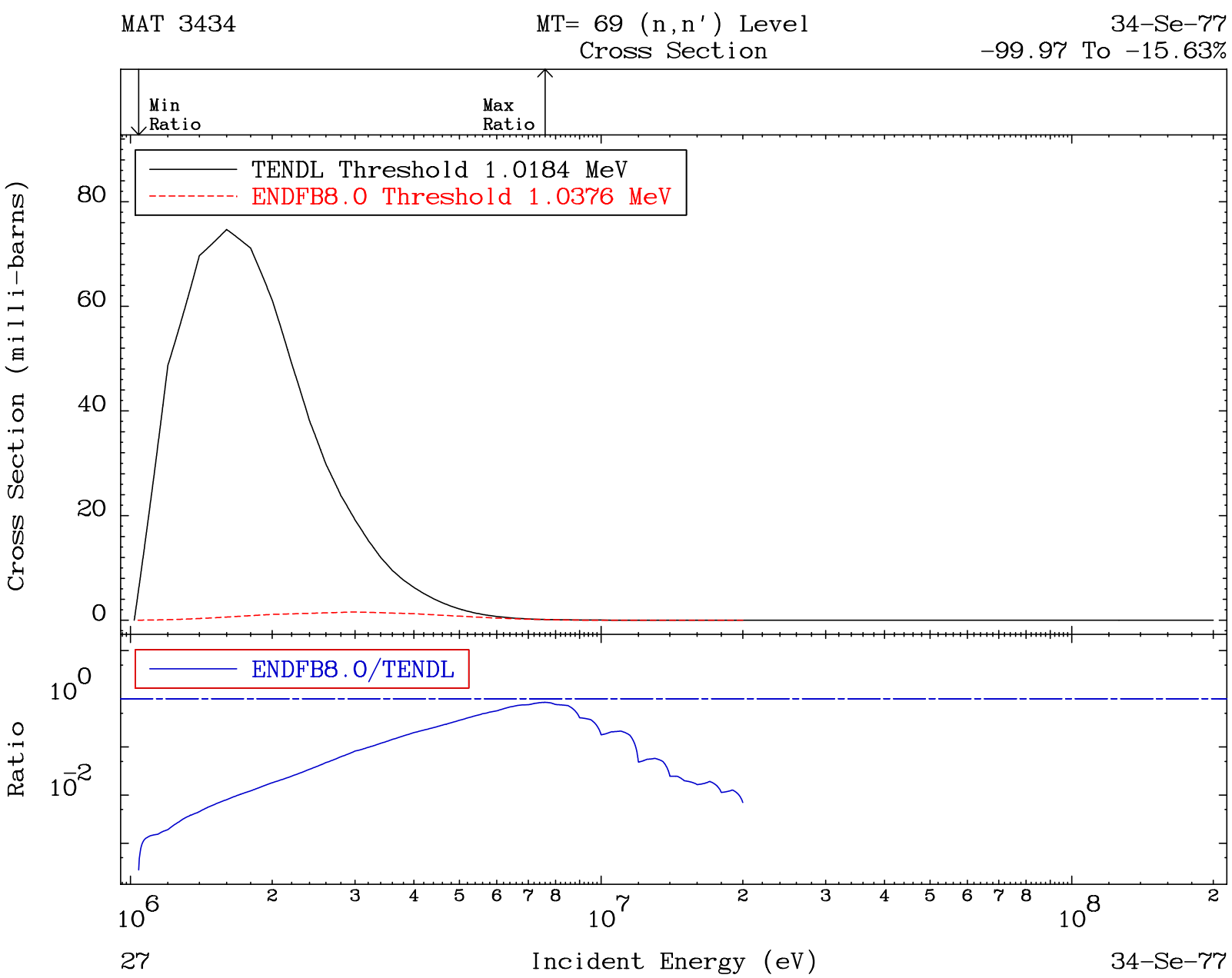

MAT 3434
MT= 64 (n,n') Level
Cross Section
34-Se-77
-99.63 To 33.66 %
Max
Ratio
Min
Ratio
TENDL Threshold 923.49 keV
ENDFB8.0 Threshold 923.49 keV
Cross Section (milli-barns)
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-1
10^-2
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
22
Incident Energy (eV)
34-Se-77

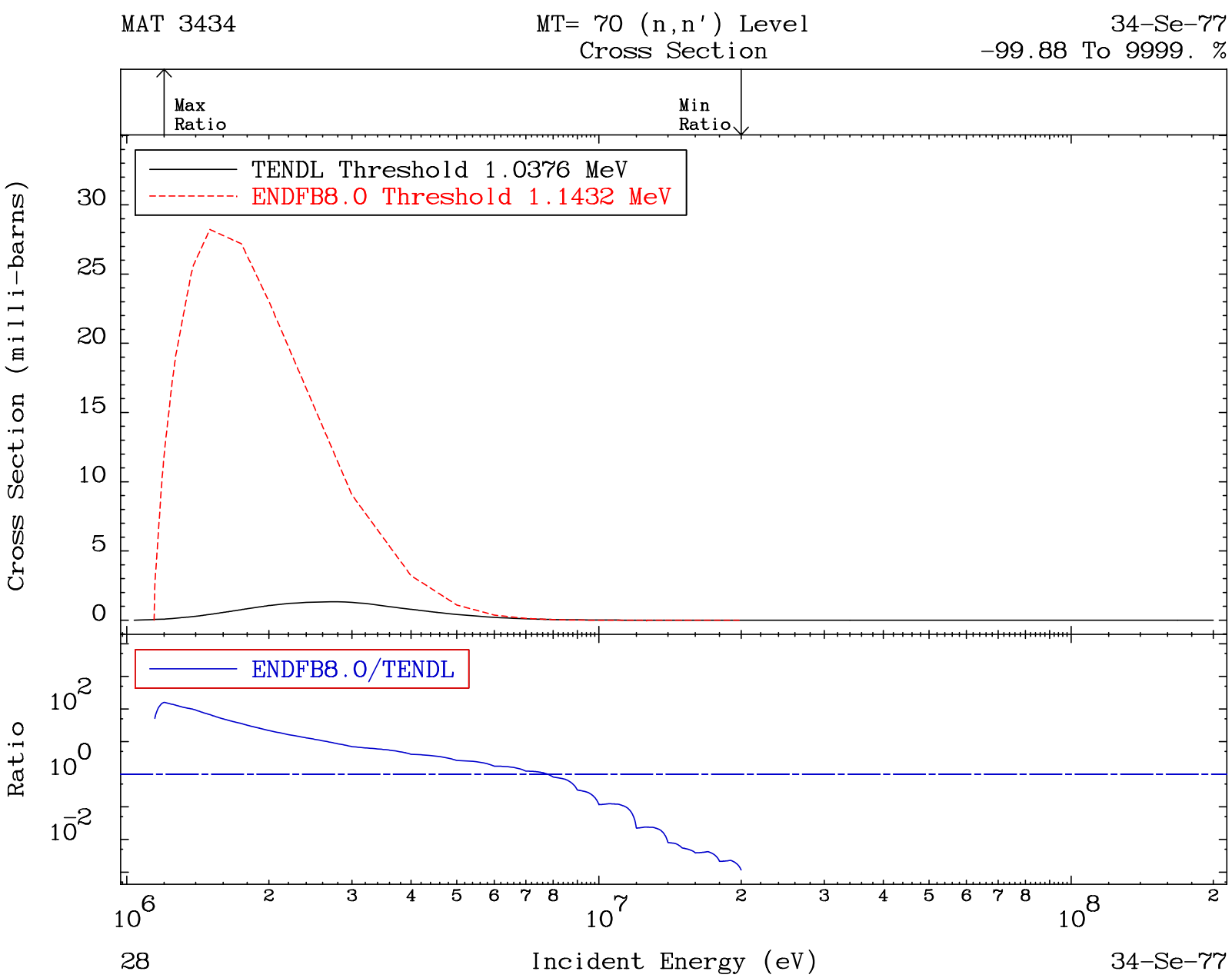

MAT 3434
MT= 65 (n,n') Level
Cross Section
34-Se-77
-99.64 To 31.43 %
Max
Ratio
Min
Ratio
TENDL Threshold 959.40 keV
ENDFB8.0 Threshold 959.40 keV
Cross Section (milli-barns)
60
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^0
10^-1
10^-2
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
23
Incident Energy (eV)
34-Se-77

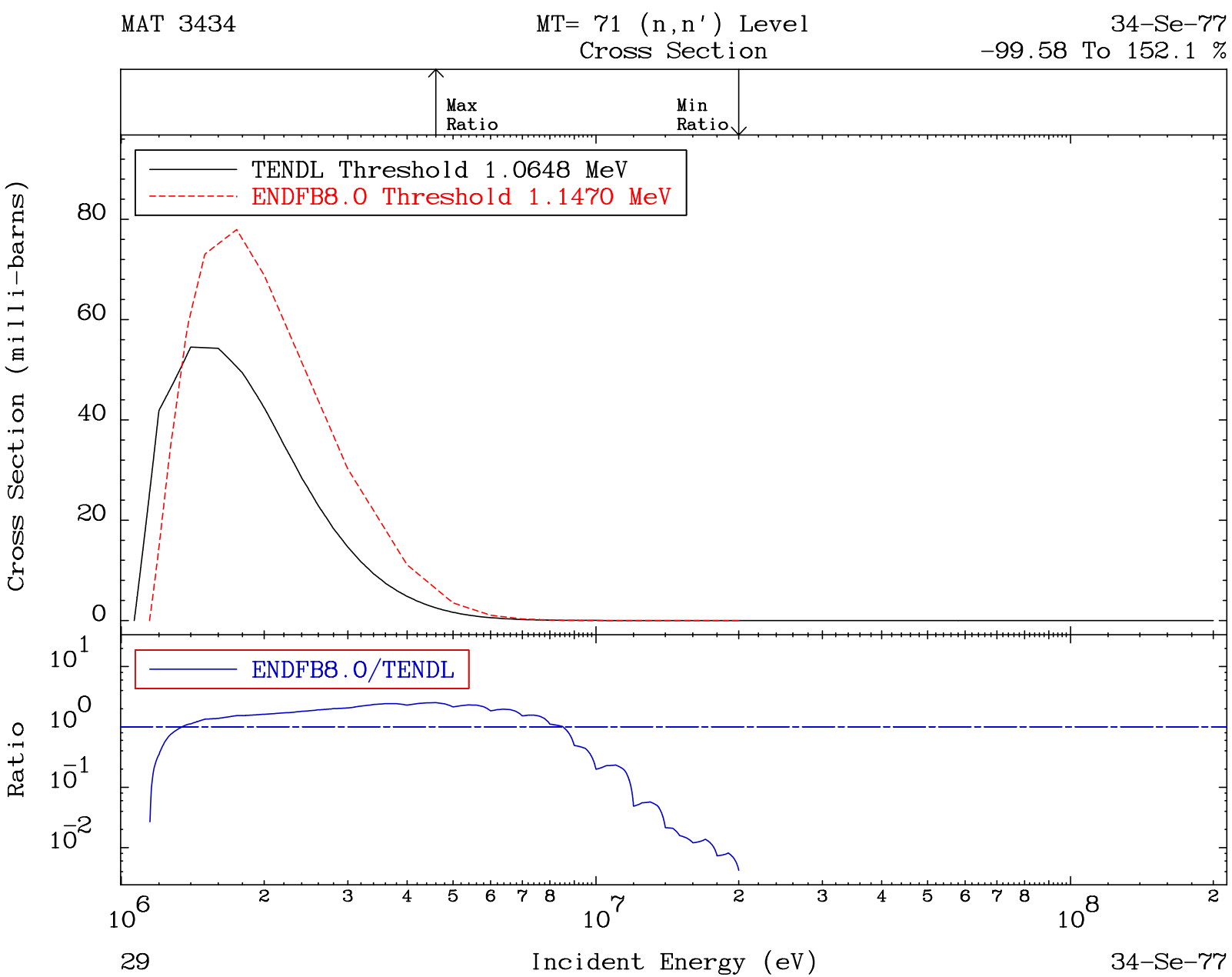

MAT 3434
MT= 66 (n,n') Level
Cross Section
34-Se-77
-100.0 To 48.79 %
Max
Ratio
Min
Ratio
TENDL Threshold 982.76 keV
ENDFB8.0 Threshold 982.62 keV
Cross Section (milli-barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
24
34-Se-77

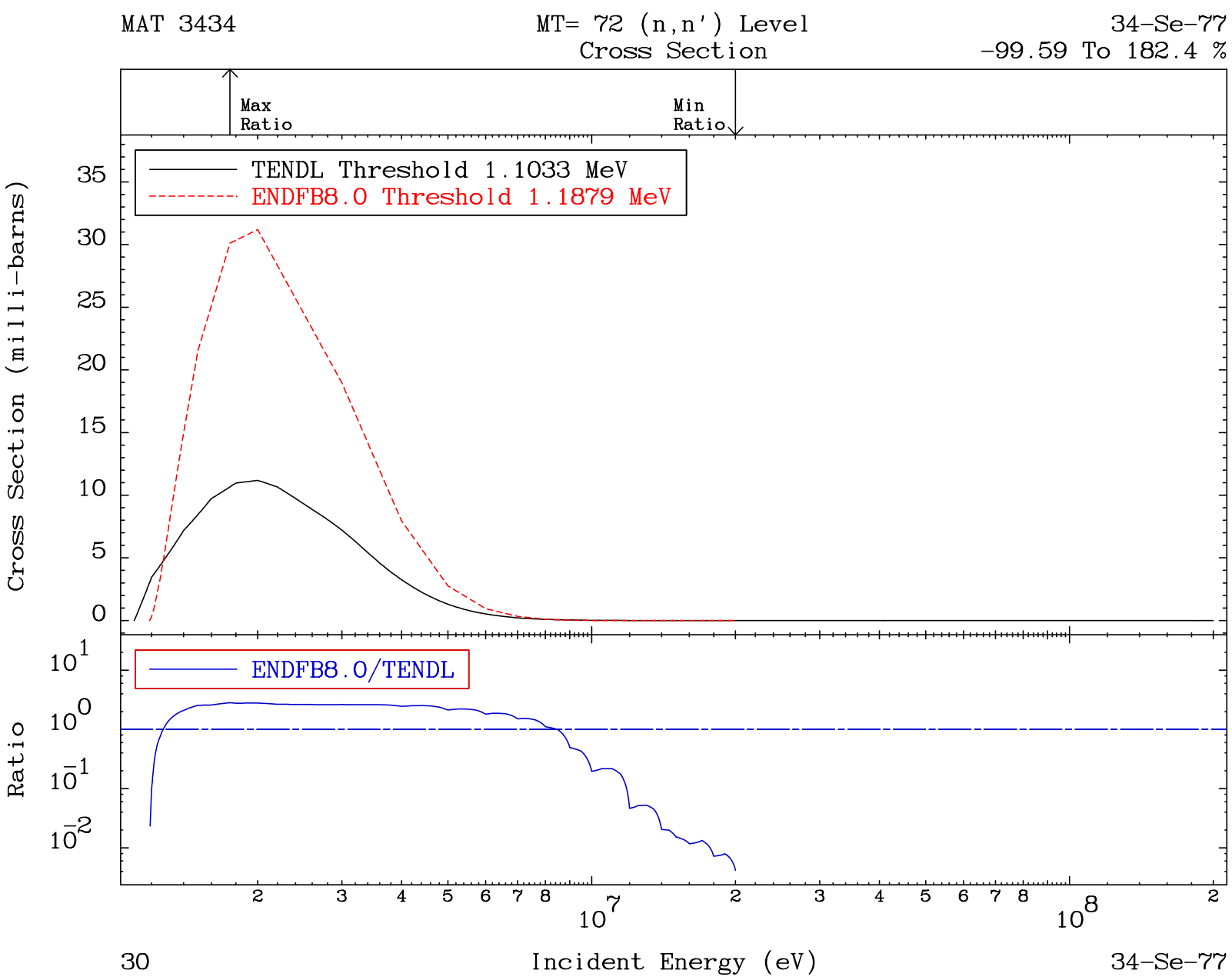

MAT 3434
MT= 67 (n,n') Level
Cross Section
34-Se-77
-99.59 To 196.7 %
Max
Ratio
Min
Ratio
TENDL Threshold 991.13 keV
ENDFB8.0 Threshold 990.62 keV
Cross Section (milli-barns)
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^1
10^0
10^-1
10^-2
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
25
Incident Energy (eV)
34-Se-77

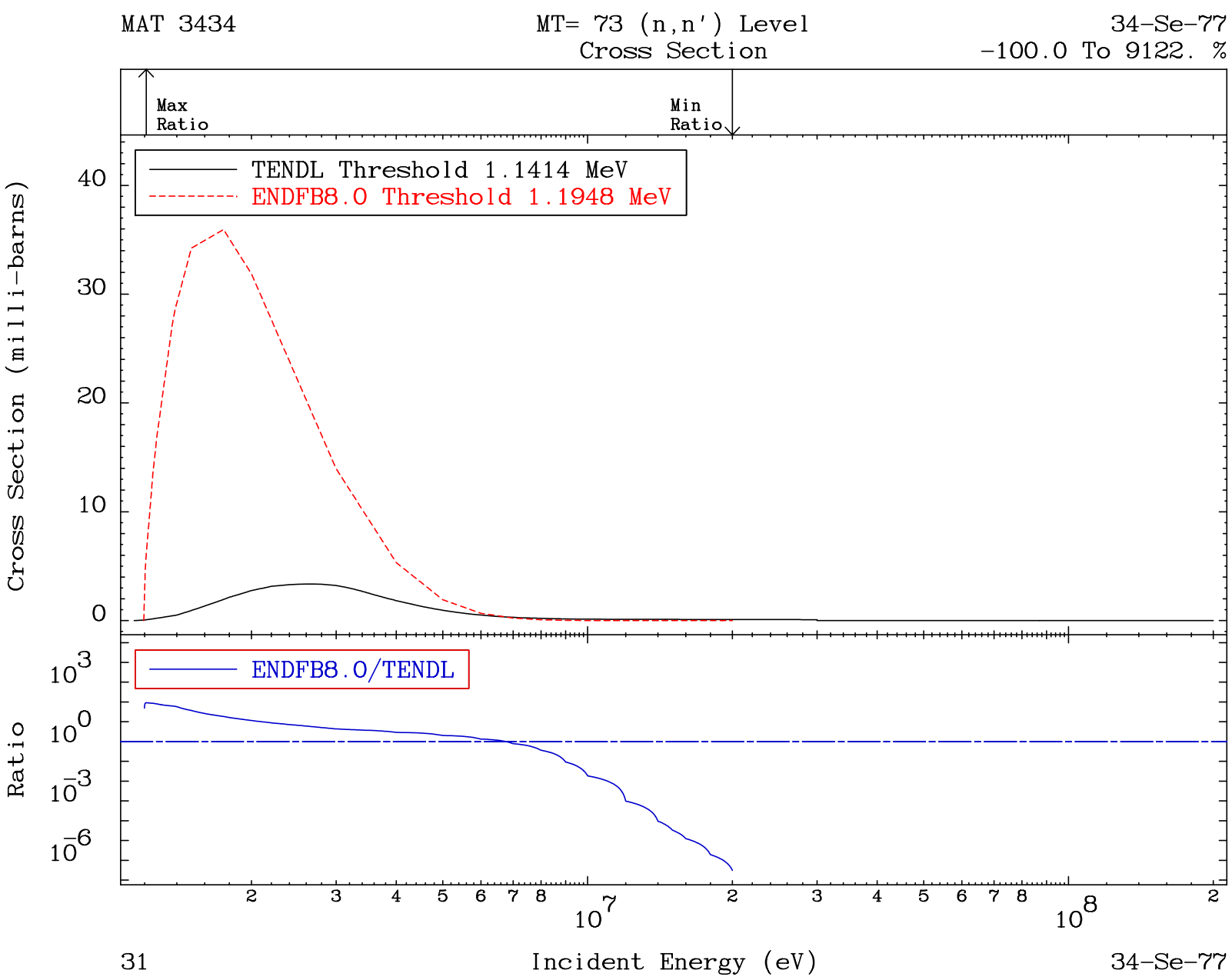

MAT 3434
MT= 68 (n,n') Level
Cross Section
34-Se-77
-99.70 To 88.49 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.0123 MeV
ENDFB8.0 Threshold 1.0183 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-1
10^-2
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
26
Incident Energy (eV)
34-Se-77

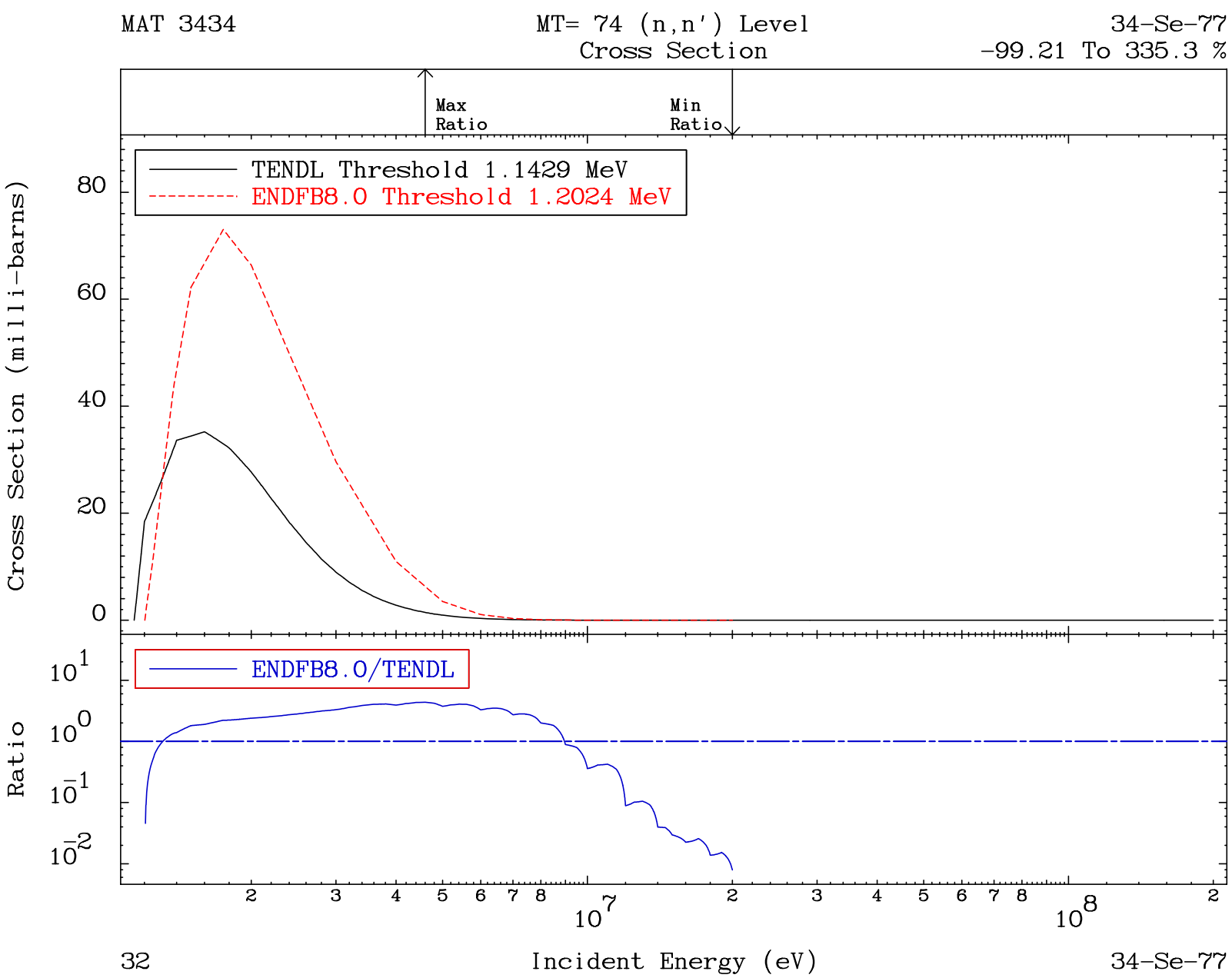

MAT 3434
MT= 69 (n,n') Level
Cross Section
34-Se-77
-99.97 To -15.63%
Min
Ratio
Max
Ratio
TENDL Threshold 1.0184 MeV
ENDFB8.0 Threshold 1.0376 MeV
Cross Section (milli-barns)
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
27
Incident Energy (eV)
34-Se-77

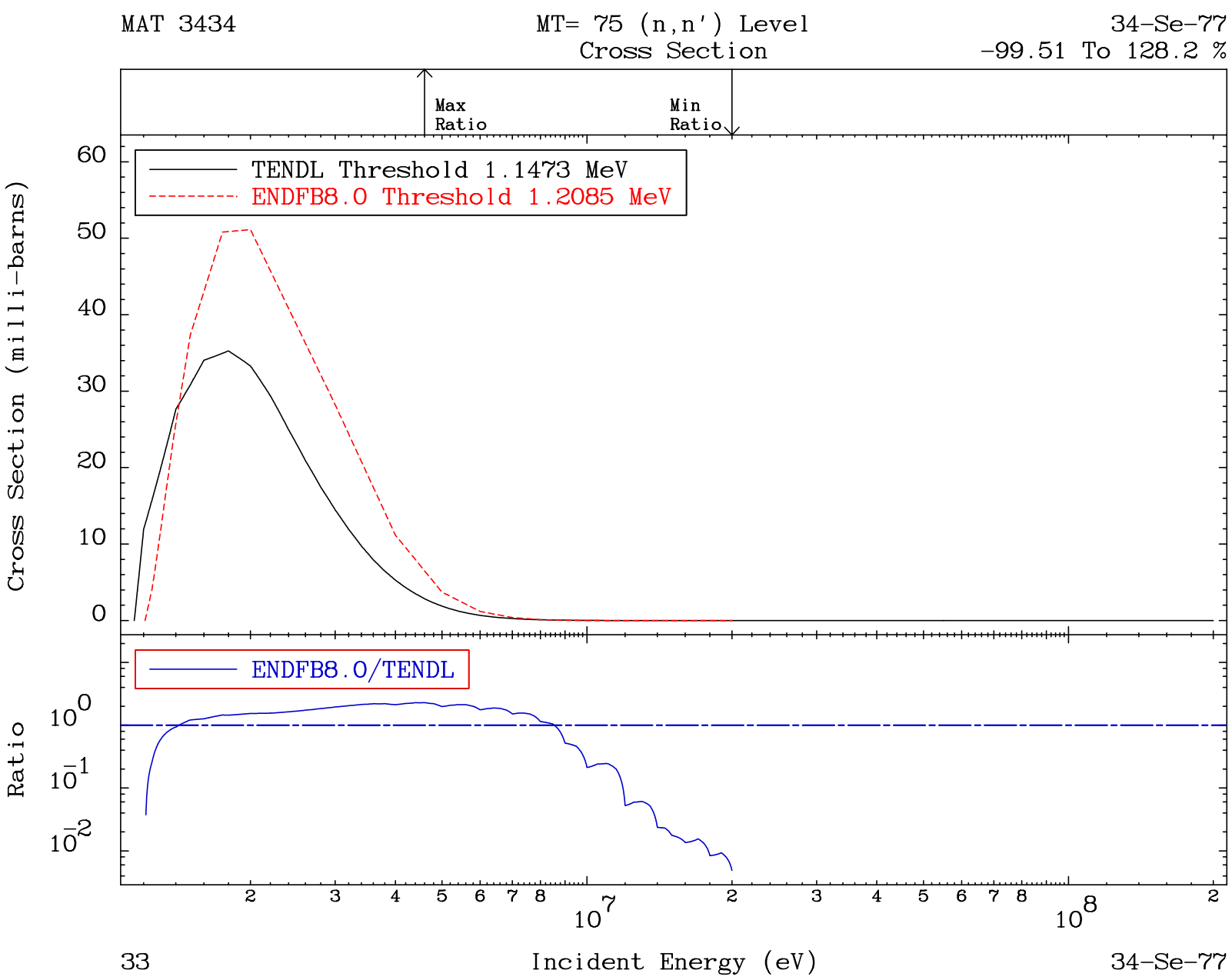

MAT 3434
MT= 70 (n,n') Level
Cross Section
34-Se-77
-99.88 To 9999. %
Max
Ratio
Min
Ratio
TENDL Threshold 1.0376 MeV
ENDFB8.0 Threshold 1.1432 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
10^2
10^0
10^-2
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
28
Incident Energy (eV)
34-Se-77

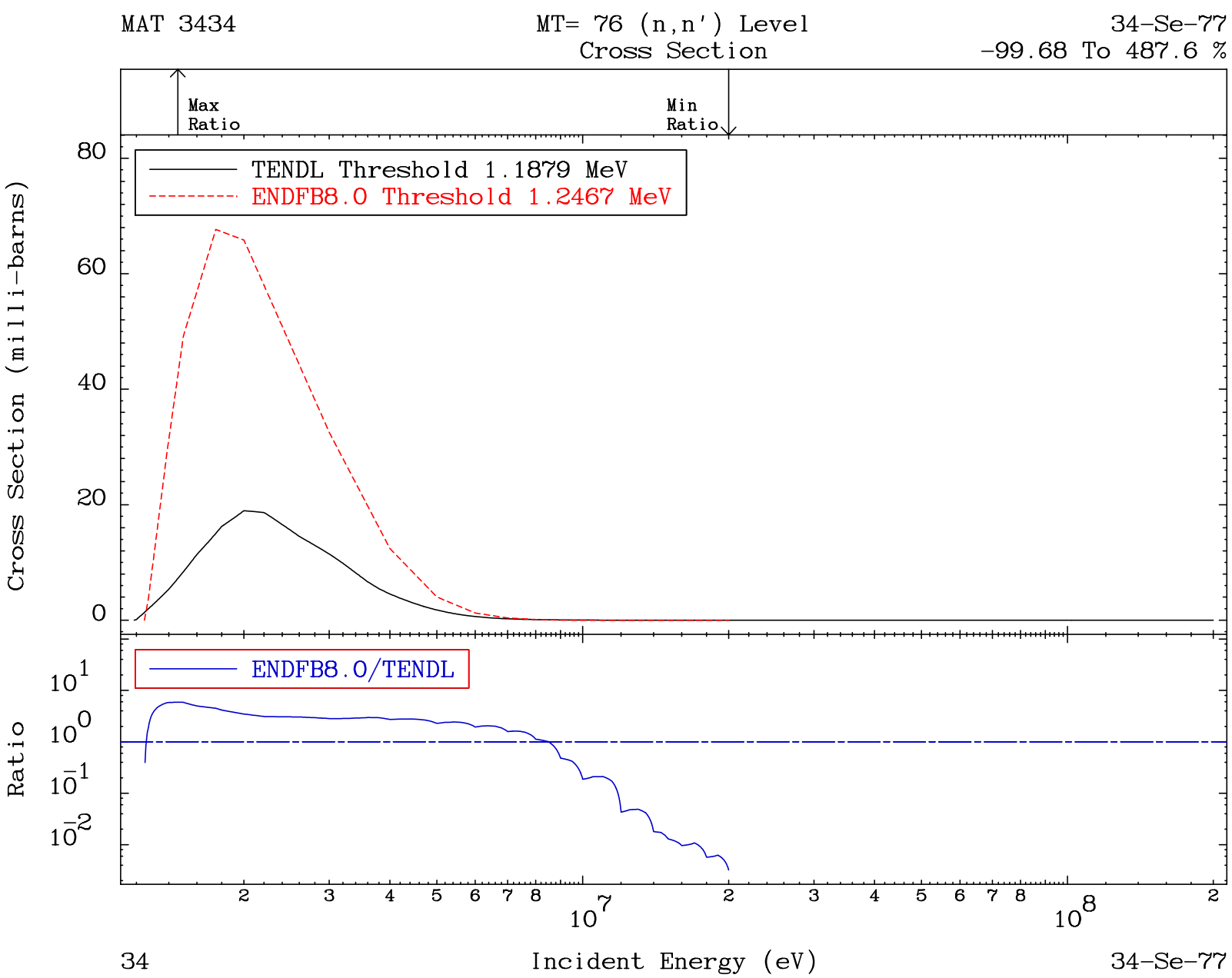

MAT 3434
MT= 71 (n,n') Level
Cross Section
34-Se-77
-99.58 To 152.1 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.0648 MeV
ENDFB8.0 Threshold 1.1470 MeV
Cross Section (milli-barns)
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^1
10^0
10^-1
10^-2
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
29
Incident Energy (eV)
34-Se-77

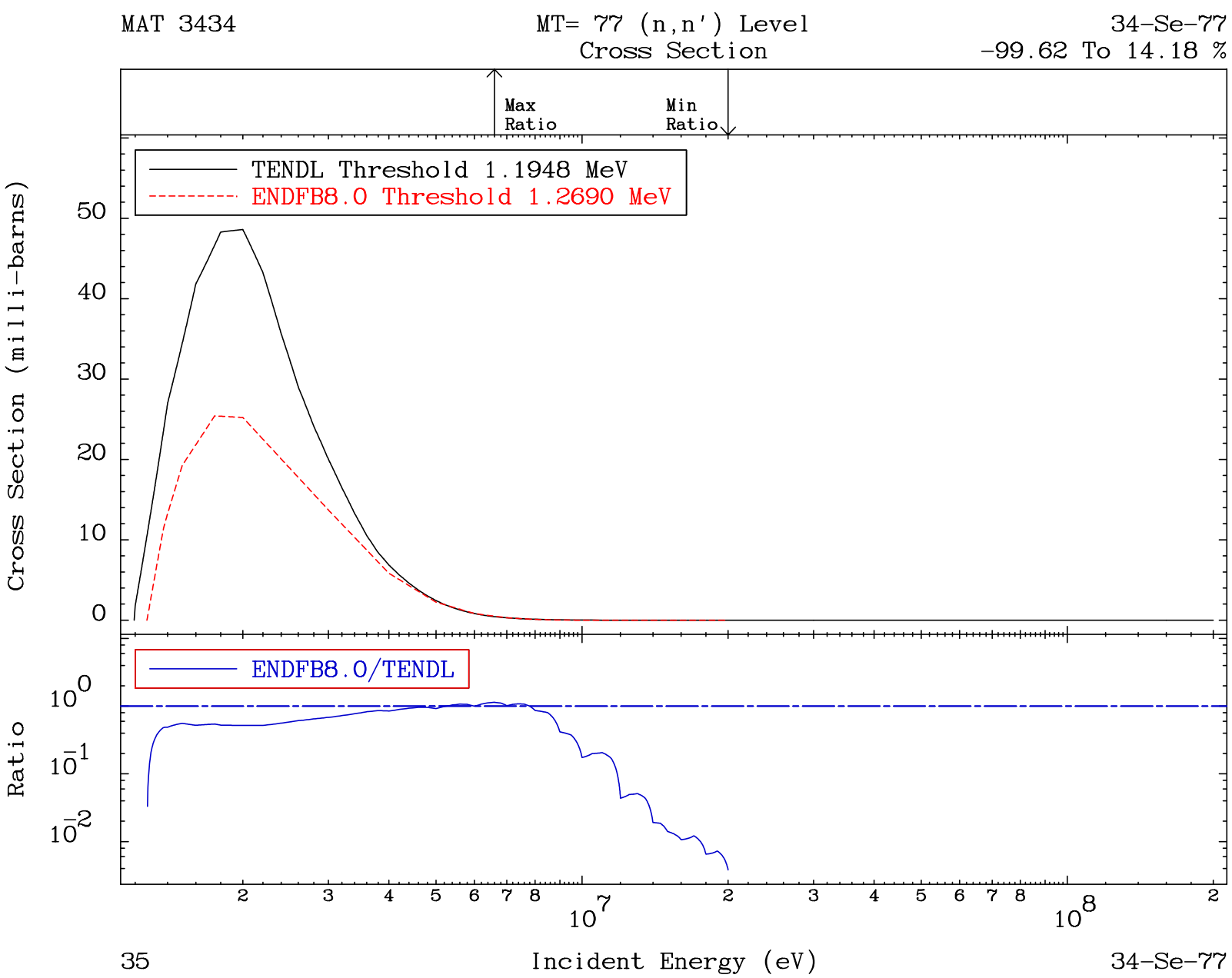

MAT 3434
MT= 72 (n,n') Level
Cross Section
34-Se-77
-99.59 To 182.4 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.1033 MeV
ENDFB8.0 Threshold 1.1879 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
10^1
10^0
10^-1
10^-2
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
30
Incident Energy (eV)
34-Se-77

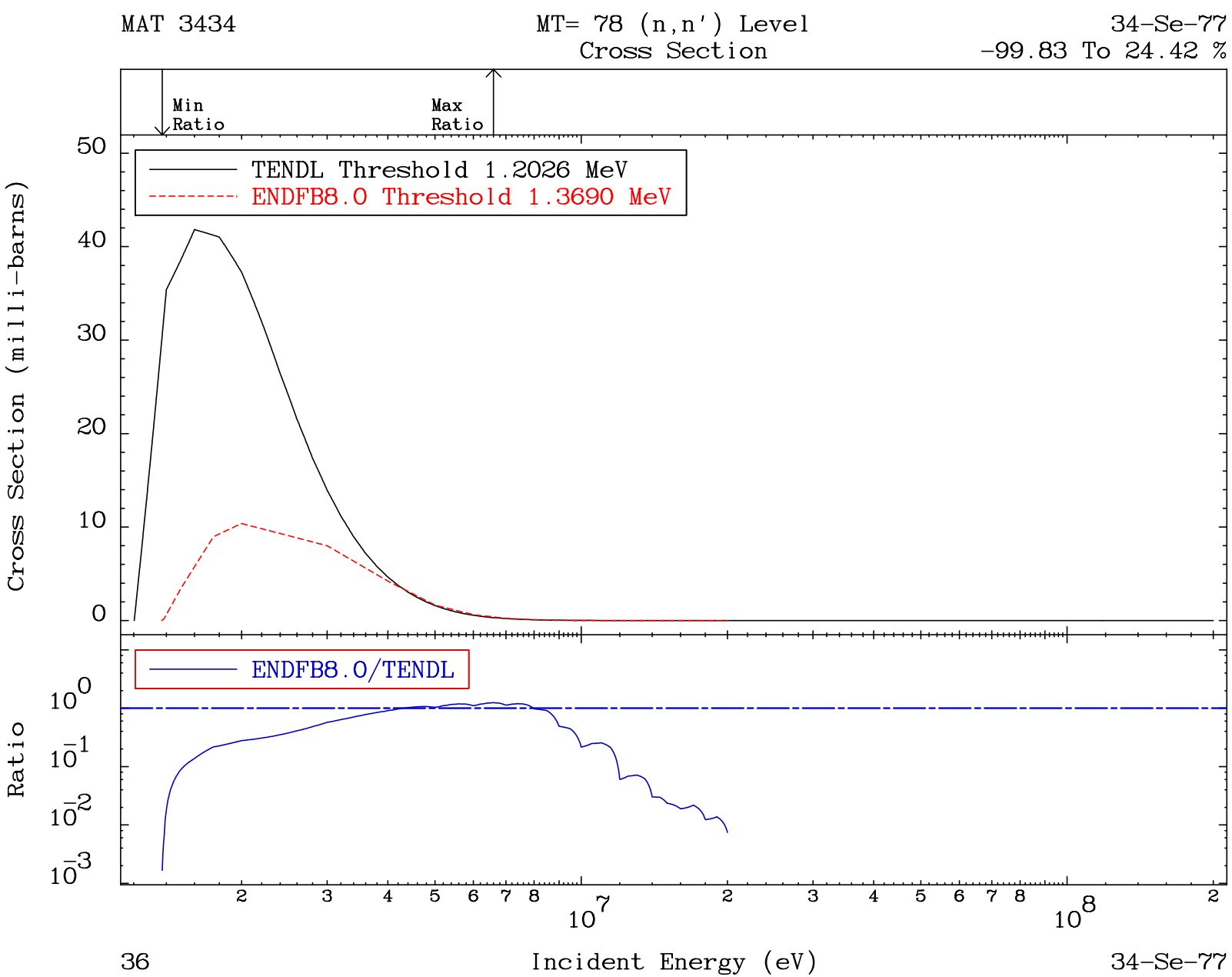

MAT 3434
MT= 73 (n,n') Level
Cross Section
34-Se-77
-100.0 To 9122. %
Max
Ratio
Min
Ratio
TENDL Threshold 1.1414 MeV
ENDFB8.0 Threshold 1.1948 MeV
Cross Section (milli-barns)
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^3
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
31
Incident Energy (eV)
34-Se-77

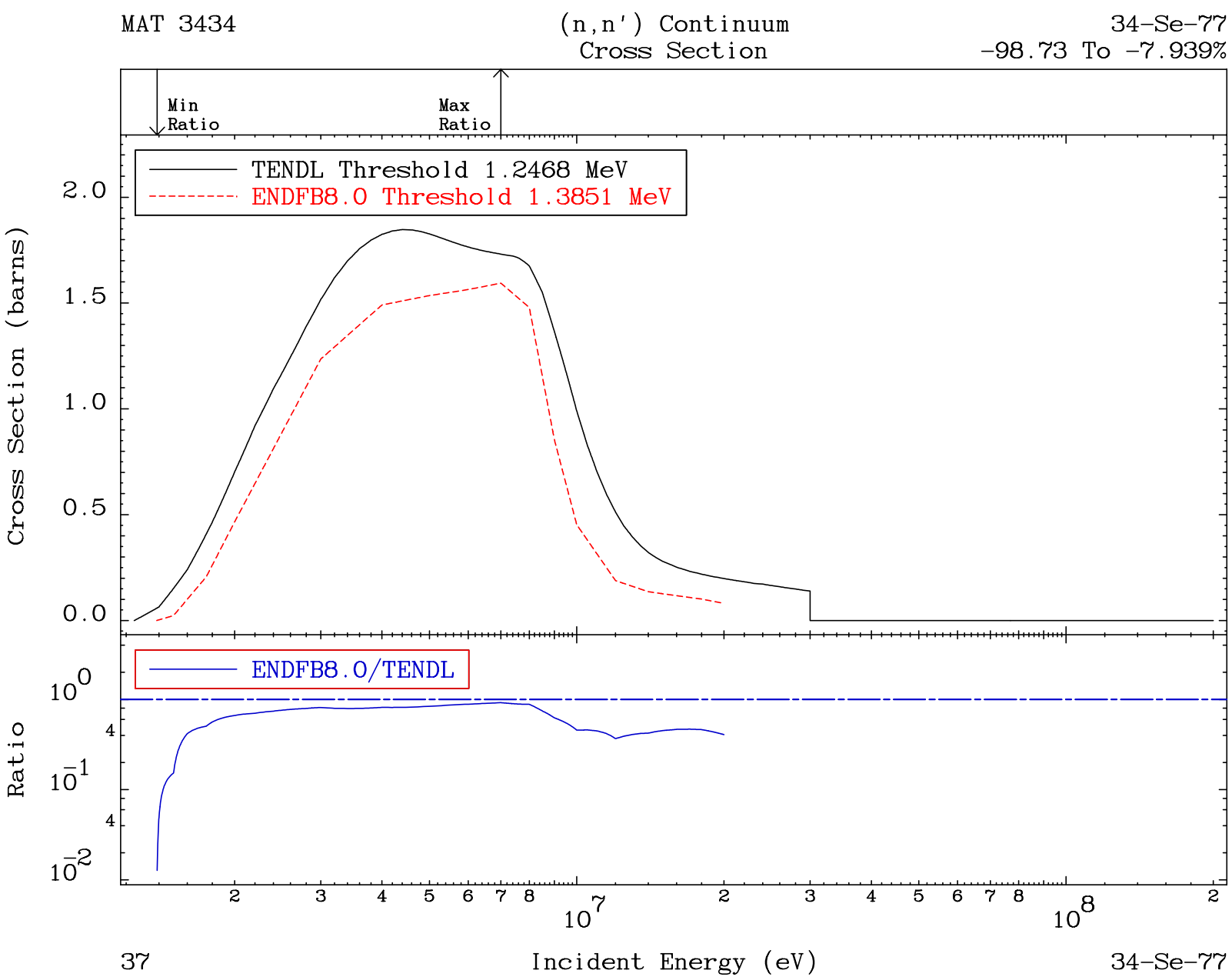

MAT 3434
MT= 74 (n,n') Level
Cross Section
34-Se-77
-99.21 To 335.3 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.1429 MeV
ENDFB8.0 Threshold 1.2024 MeV
Cross Section (milli-barns)
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^1
10^0
10^-1
10^-2
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
34-Se-77

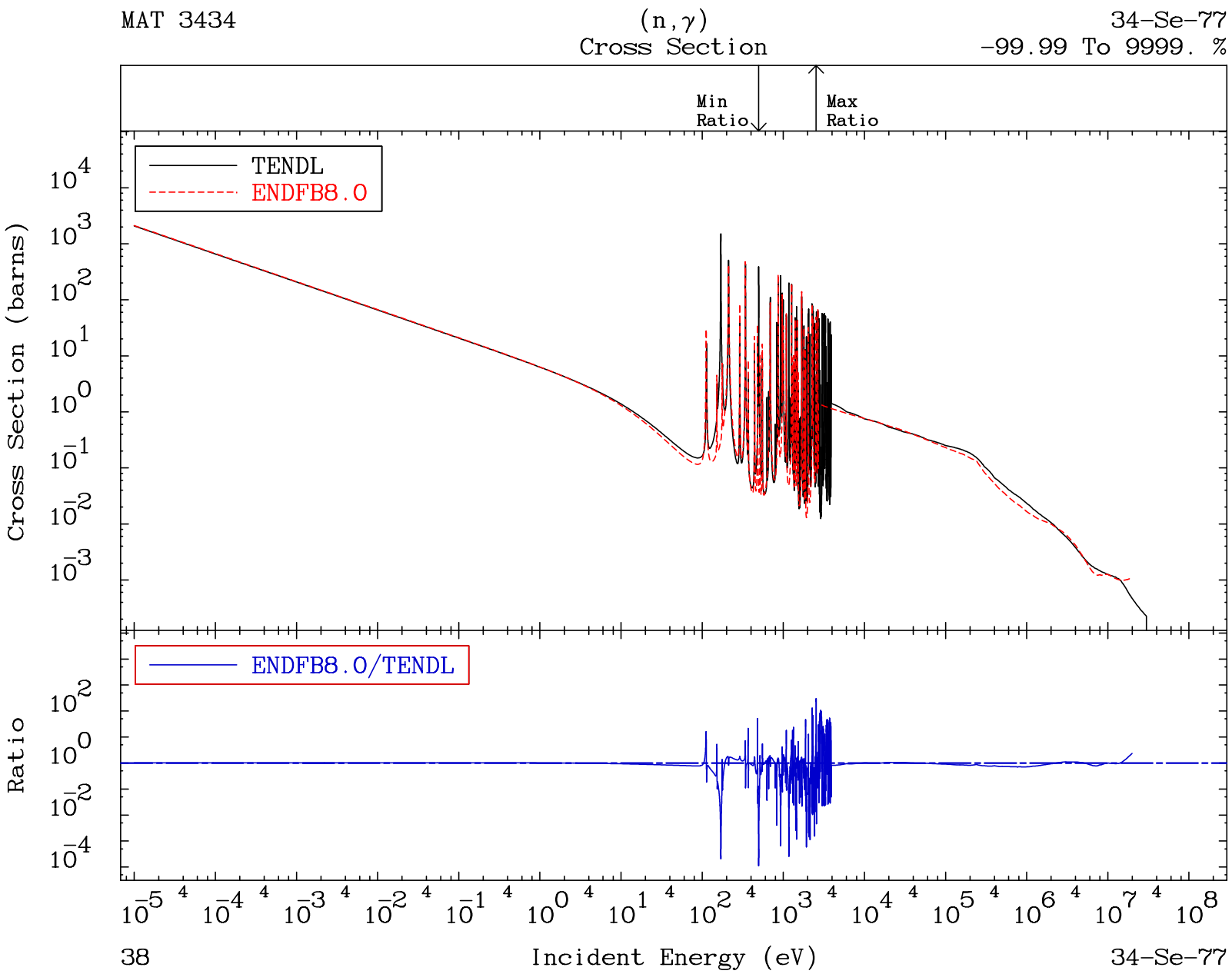

MAT 3434
MT= 75 (n,n') Level
Cross Section
34-Se-77
-99.51 To 128.2 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.1473 MeV
ENDFB8.0 Threshold 1.2085 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^0
10^-1
10^-2
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
33
Incident Energy (eV)
34-Se-77

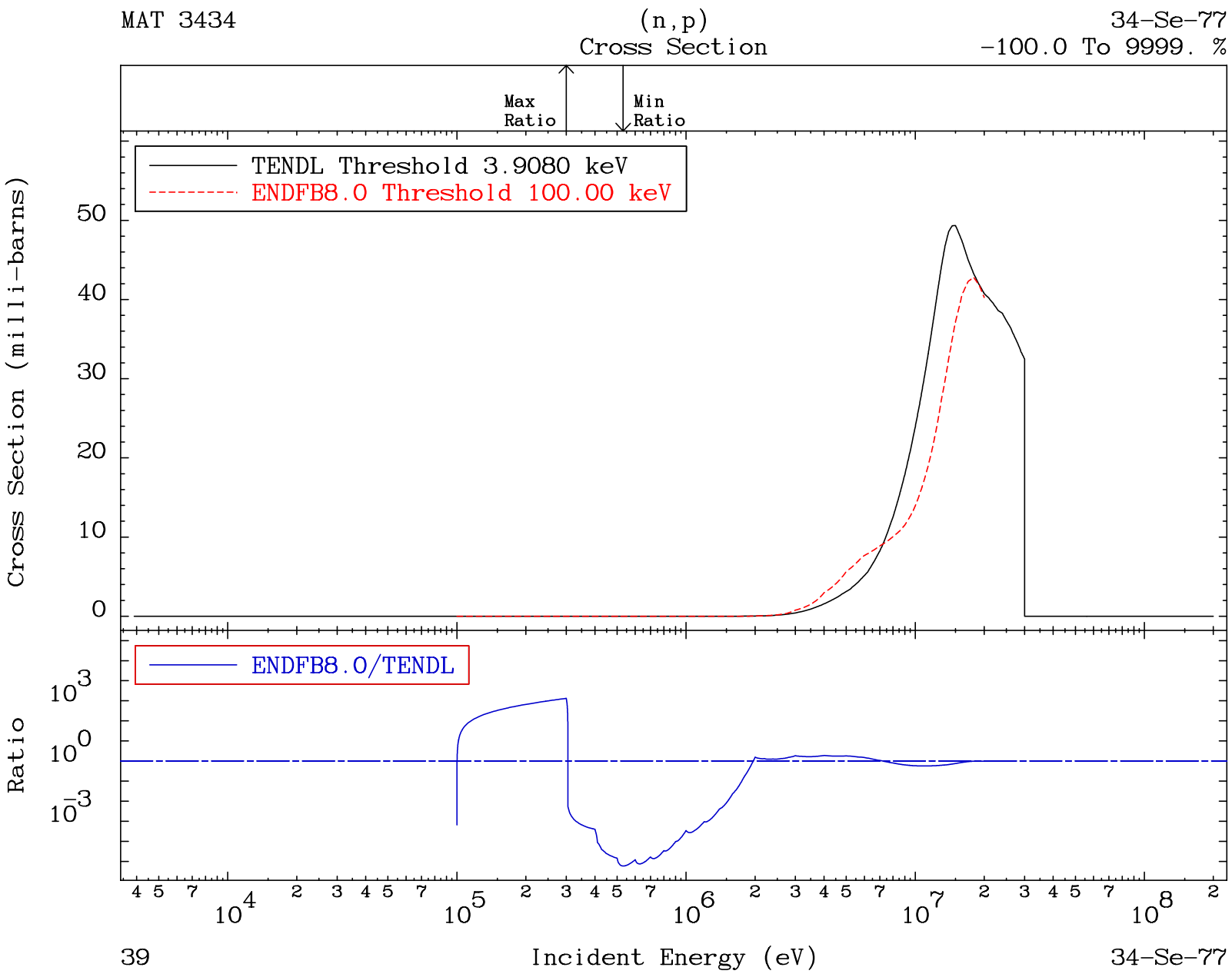

MAT 3434
MT= 76 (n,n') Level
Cross Section
34-Se-77
-99.68 To 487.6 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.1879 MeV
ENDFB8.0 Threshold 1.2467 MeV
Cross Section (milli-barns)
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
$10^{1}$
$10^{0}$
$10^{-1}$
$10^{-2}$
2 3 4 5 6 7 8
$10^{7}$
2 3 4 5 6 7 8
$10^{8}$
2
34
Incident Energy (eV)
34-Se-77

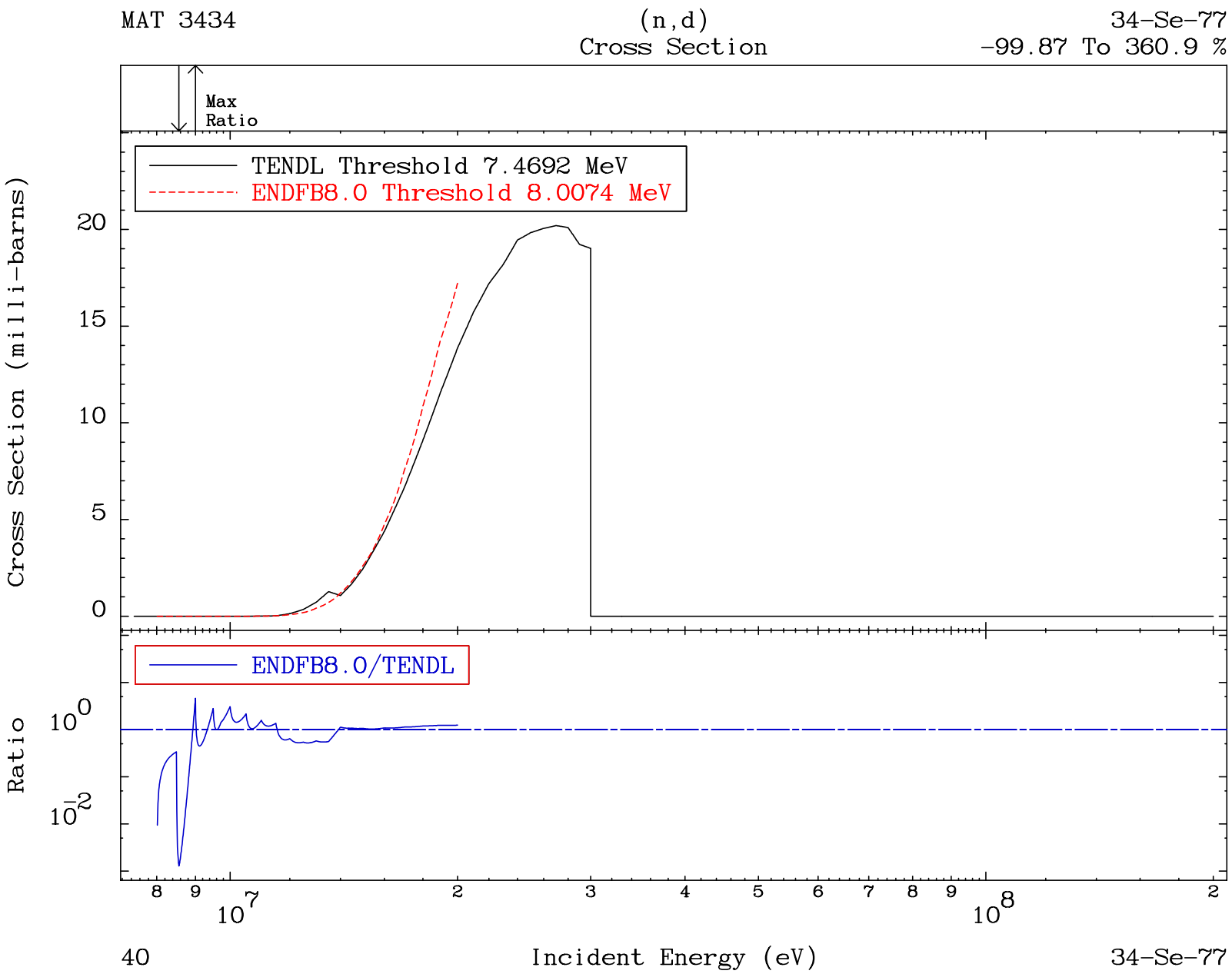

MAT 3434
MT= 77 (n,n') Level
Cross Section
34-Se-77
-99.62 To 14.18 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.1948 MeV
ENDFB8.0 Threshold 1.2690 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^0
10^-1
10^-2
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
35
Incident Energy (eV)
34-Se-77

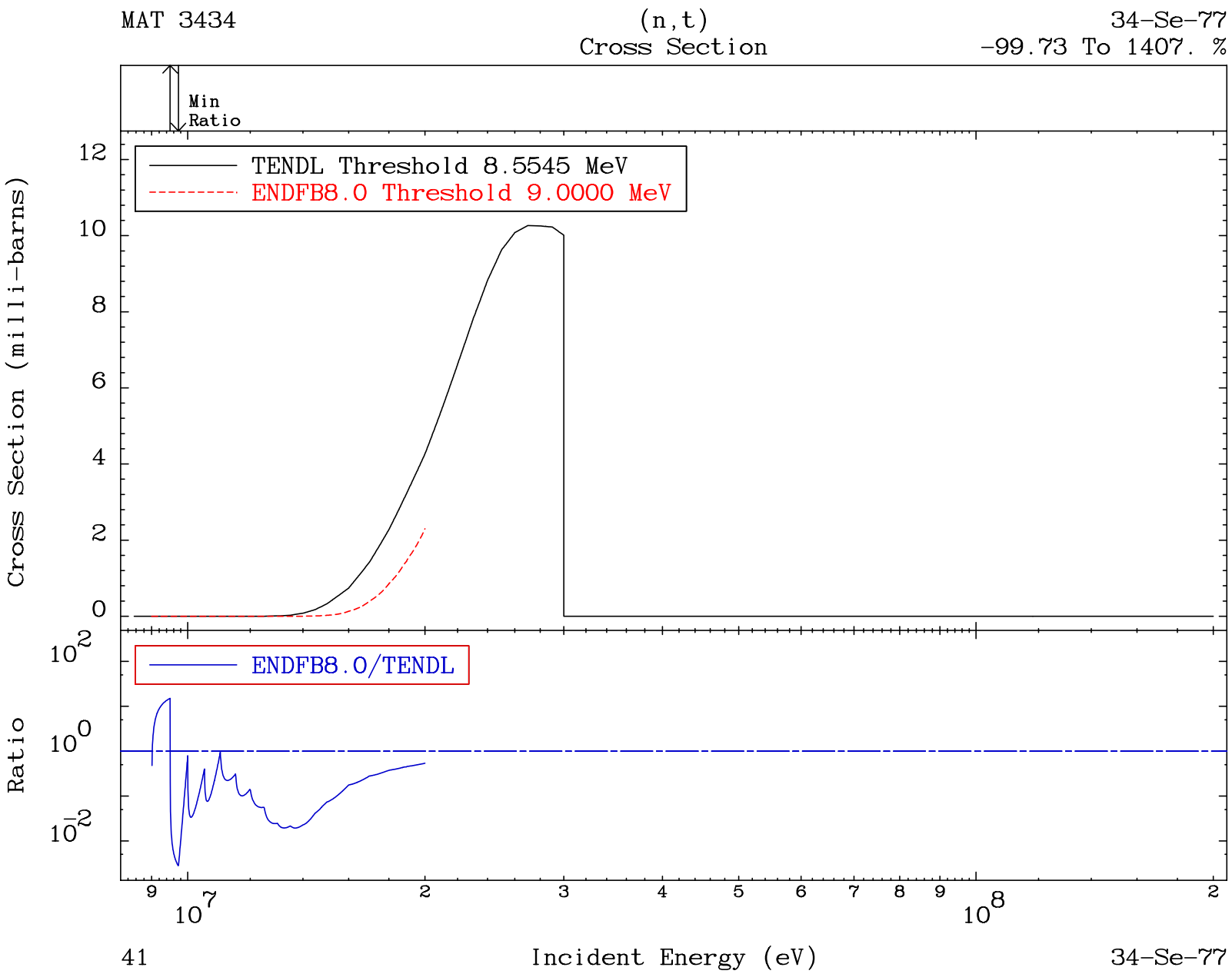

MAT 3434
MT= 78 (n,n') Level
Cross Section
34-Se-77
-99.83 To 24.42 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.2026 MeV
ENDFB8.0 Threshold 1.3690 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^0
10^-1
10^-2
10^-3
2
3
4
5
6
7
8
10^7
10^8
36
Incident Energy (eV)
34-Se-77

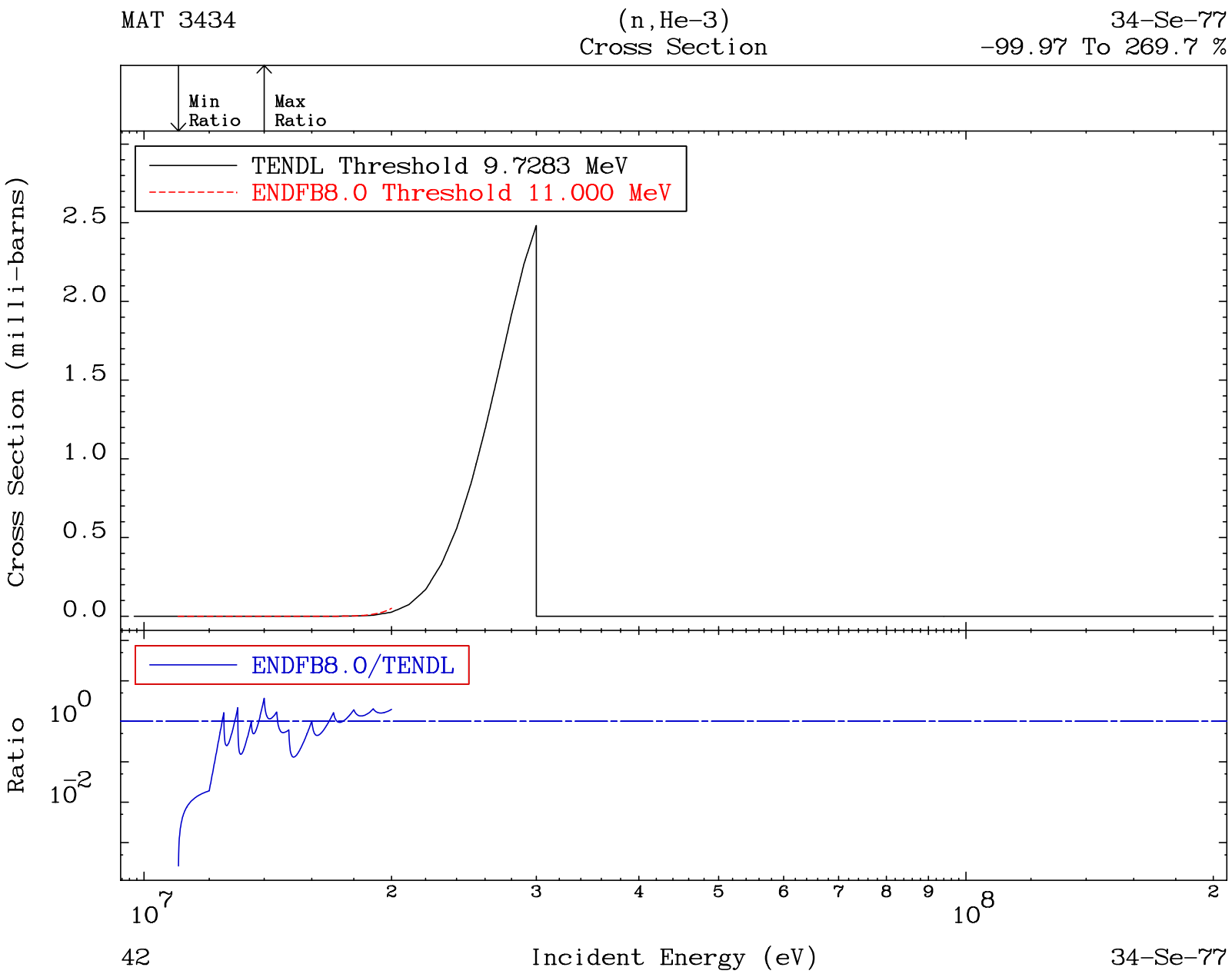

MAT 3434
(n,n') Continuum
Cross Section
34-Se-77
-98.73 To -7.939%
Min Ratio
Max Ratio
TENDL Threshold 1.2468 MeV
ENDFB8.0 Threshold 1.3851 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
10^0
4
10^-1
4
10^-2
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
37
Incident Energy (eV)
34-Se-77

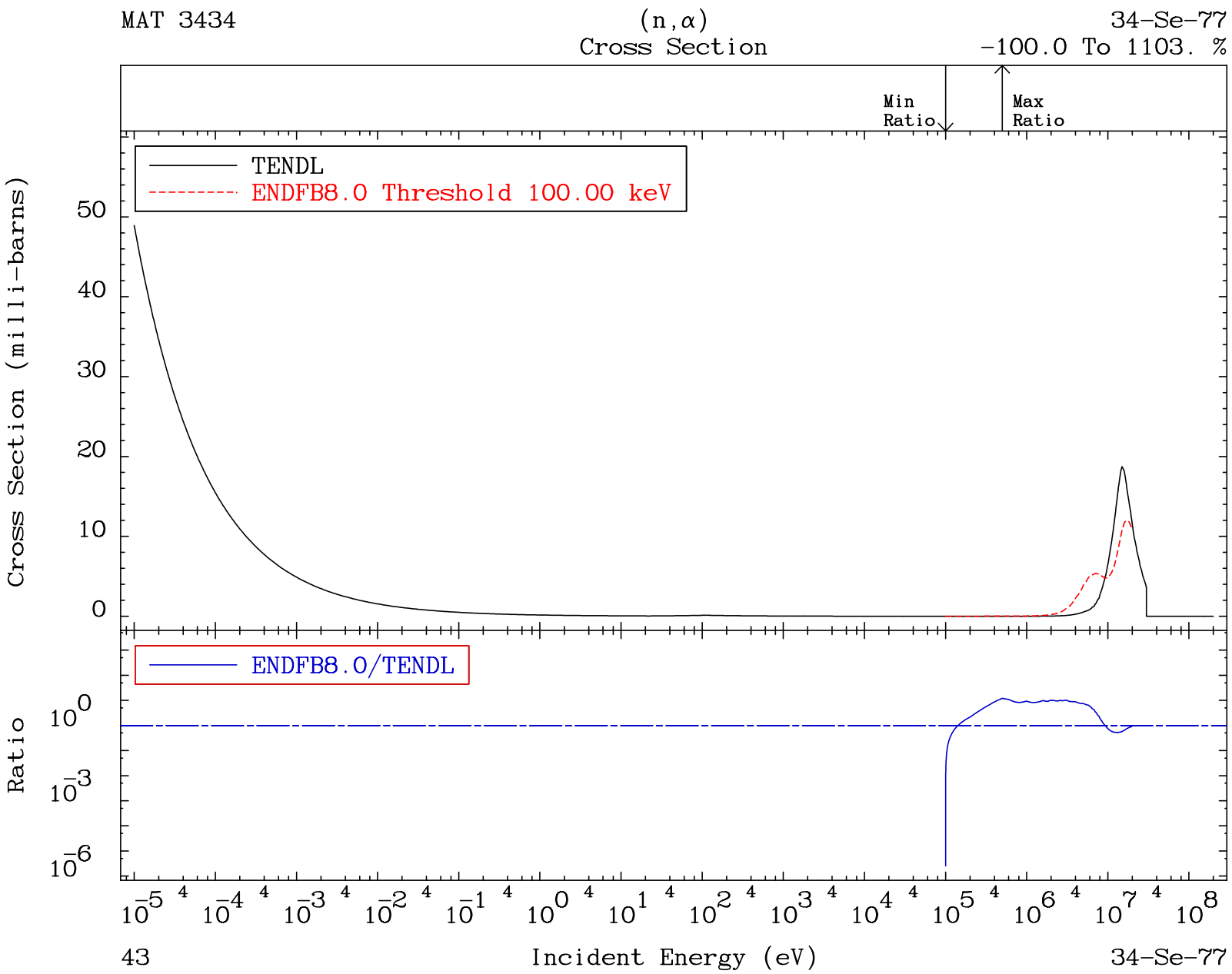

MAT 3434
(n,γ)
Cross Section
34-Se-77
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
38
34-Se-77

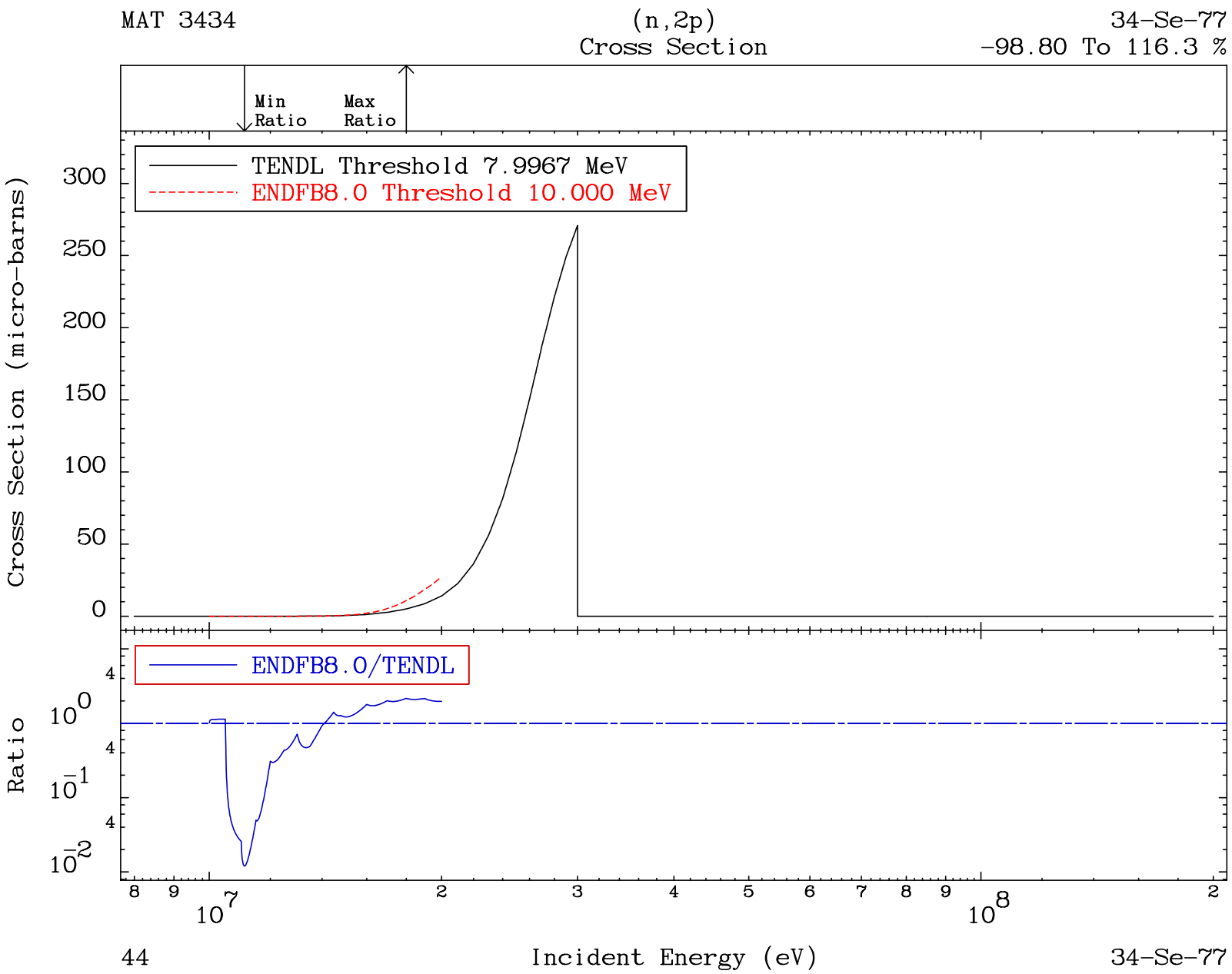

MAT 3434
(n,p)
Cross Section
34-Se-77
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.9080 keV
ENDFB8.0 Threshold 100.00 keV
Cross Section (milli-barns)
0
10
20
30
40
50
ENDFB8.0/TENDL
Ratio
10^3
10^0
10^-3
4 5 7 10^4 2 3 4 5 7 10^5 2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
39
Incident Energy (eV)
34-Se-77

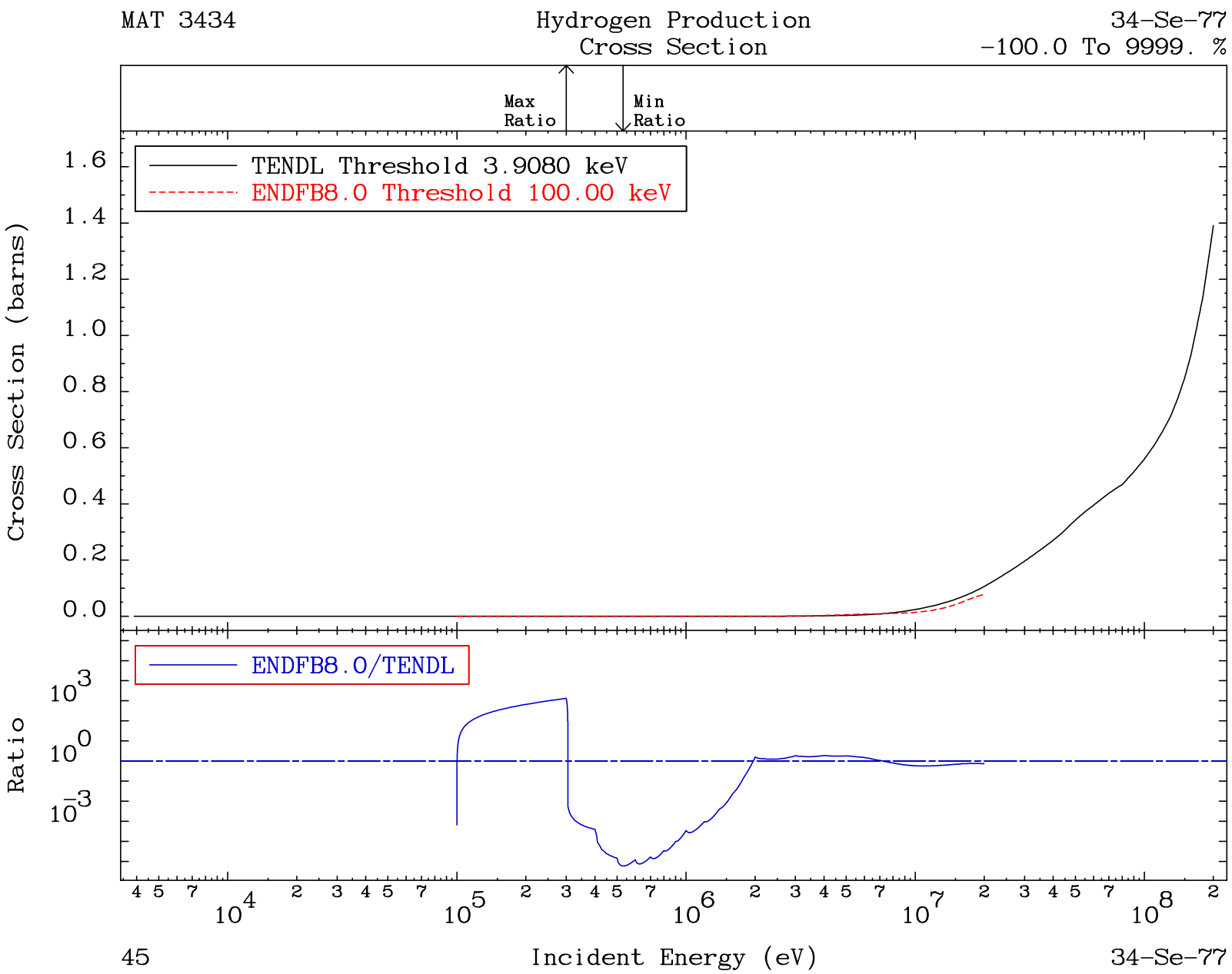

MAT 3434
(n,d)
Cross Section
34-Se-77
-99.87 To 360.9 %
Max
Ratio
TENDL Threshold 7.4692 MeV
ENDFB8.0 Threshold 8.0074 MeV
Cross Section (milli-barns)
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
40
Incident Energy (eV)
34-Se-77

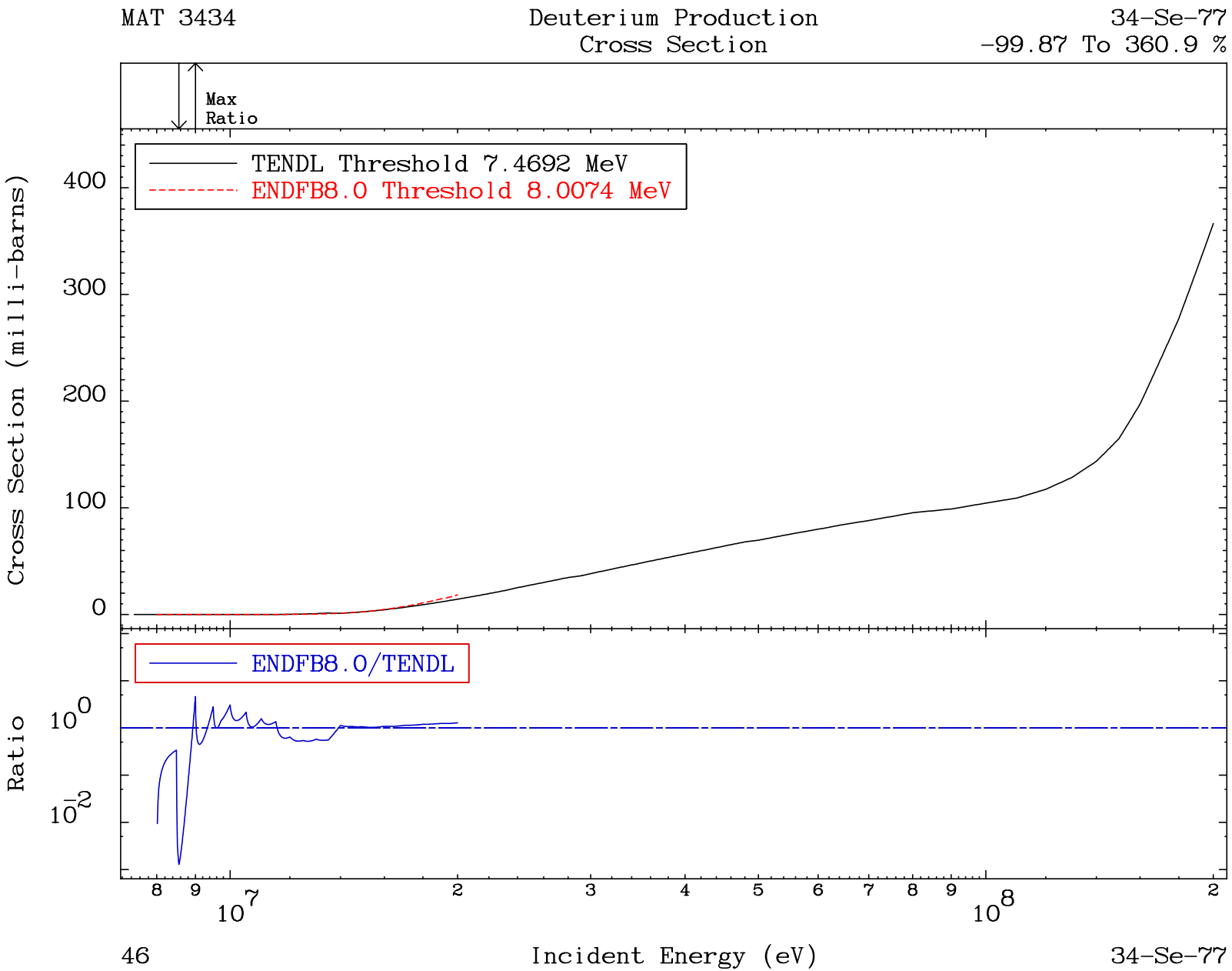

MAT 3434
(n,t)
Cross Section
34-Se-77
-99.73 To 1407. %
Min
Ratio
TENDL Threshold 8.5545 MeV
ENDFB8.0 Threshold 9.0000 MeV
Cross Section (milli-barns)
12
10
8
6
4
2
0
ENDFB8.0/TENDL
Ratio
10^2
10^0
10^-2
9
10^7
2
3
4
5
6
7
8
9
10^8
2
41
Incident Energy (eV)
34-Se-77

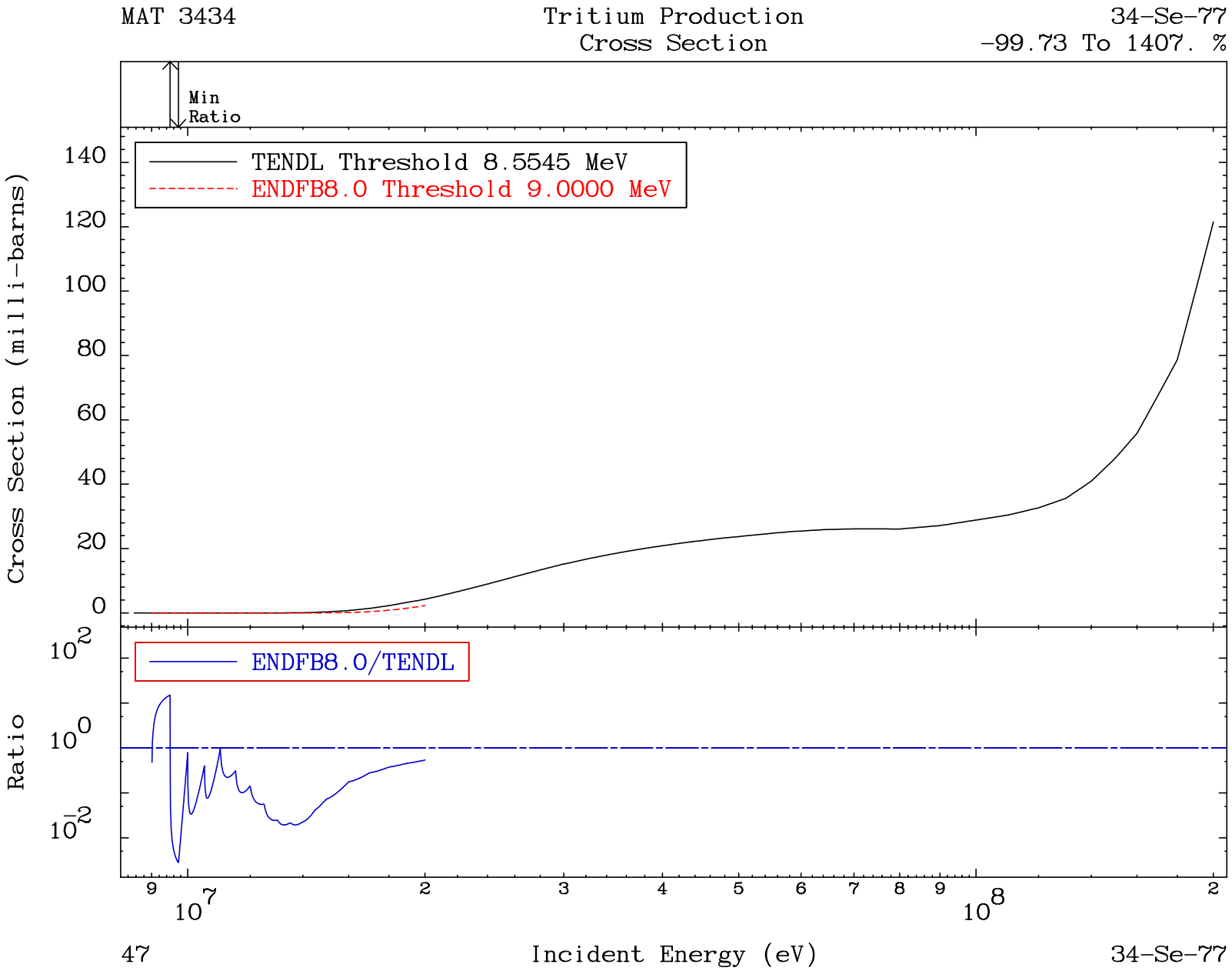

MAT 3434
(n,He-3)
Cross Section
34-Se-77
-99.97 To 269.7 %
Min Ratio
Max Ratio
TENDL Threshold 9.7283 MeV
ENDFB8.0 Threshold 11.000 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
10^7
2
3
4
5
6
7
8
9
10^8
2
42
Incident Energy (eV)
34-Se-77

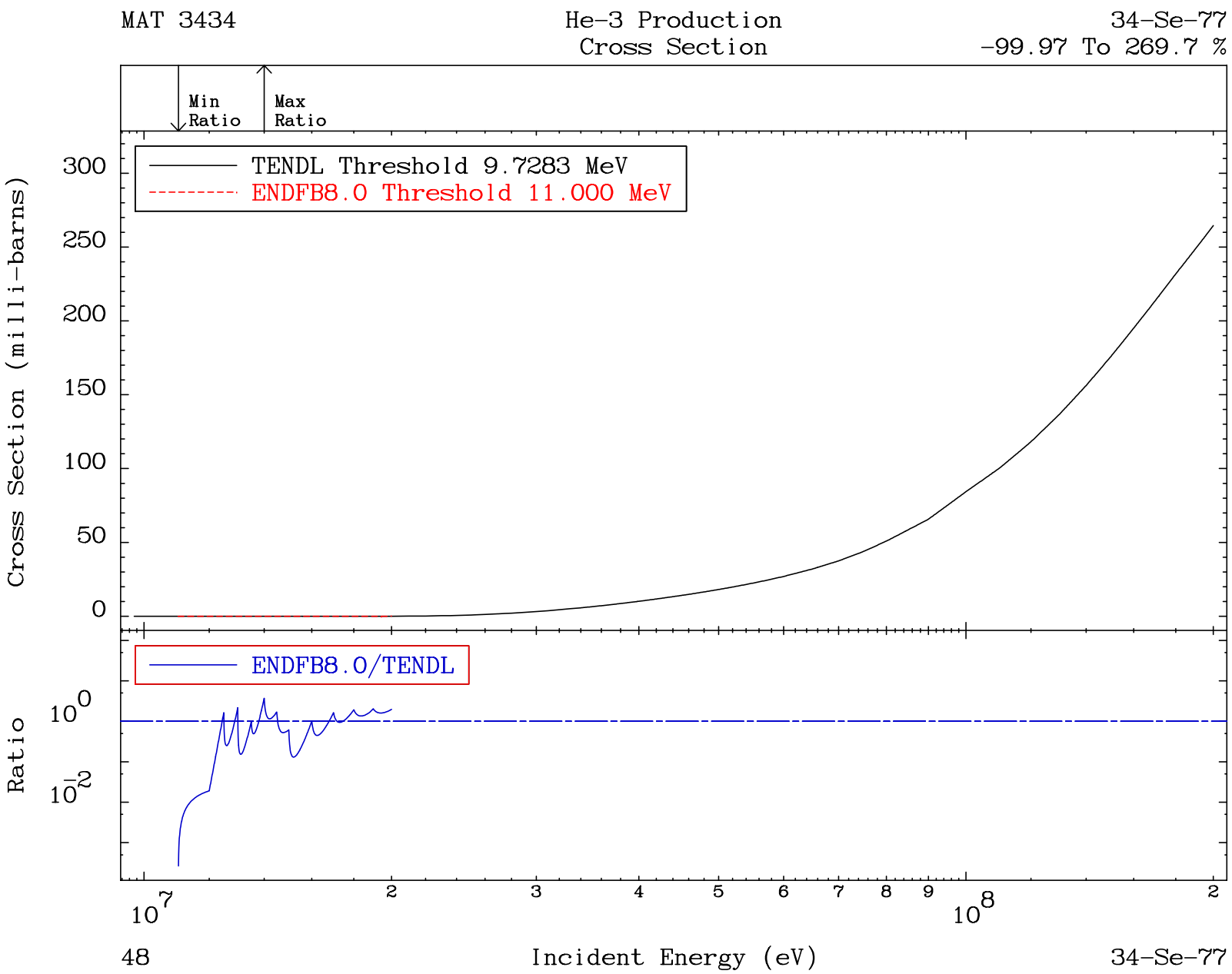

MAT 3434
(n,α)
Cross Section
34-Se-77
-100.0 To 1103. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0 Threshold 100.00 keV
Cross Section (milli-barns)
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
43
Incident Energy (eV)
34-Se-77

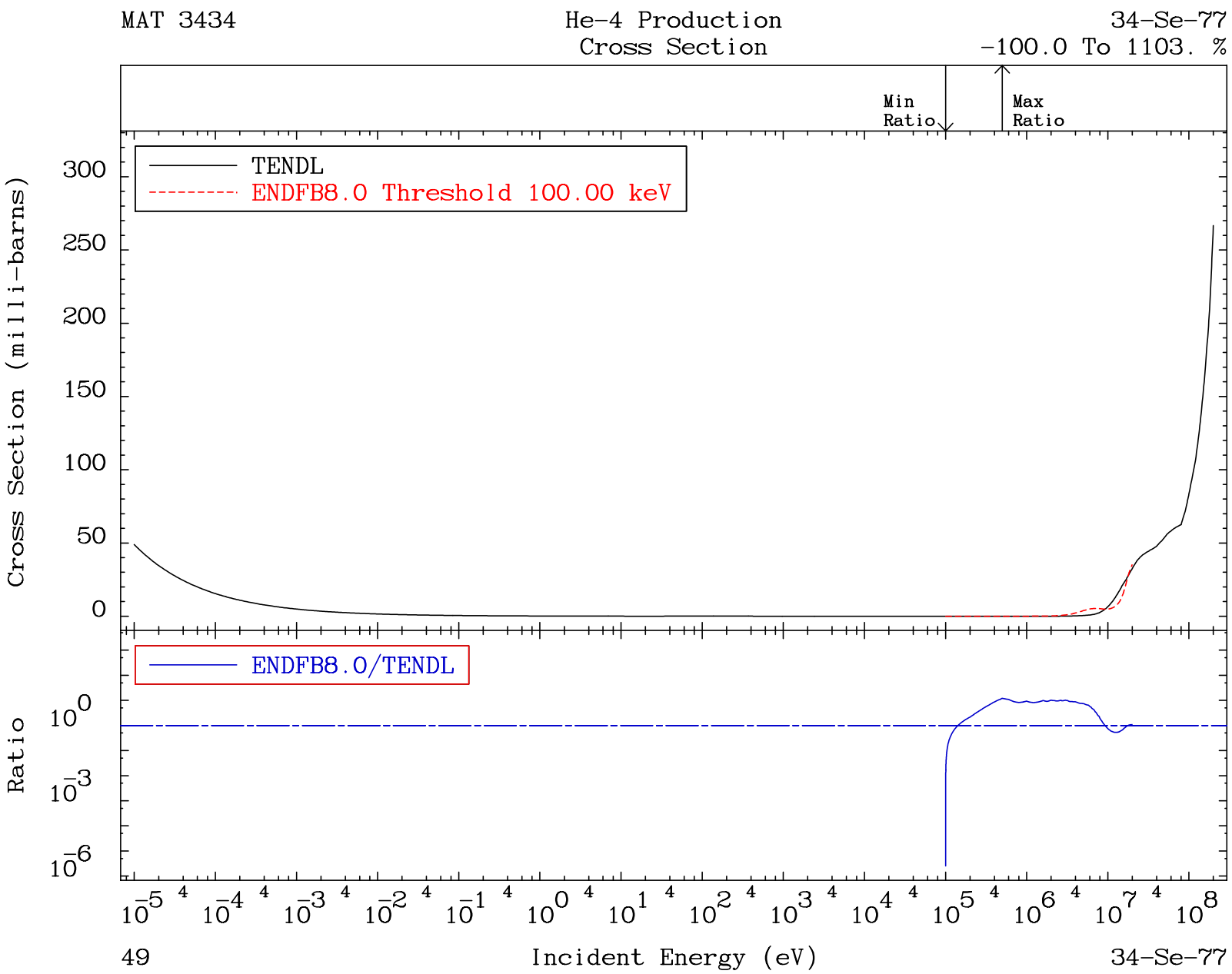

MAT 3434
(n,2p)
Cross Section
34-Se-77
-98.80 To 116.3 %
Min Ratio
Max Ratio
TENDL Threshold 7.9967 MeV
ENDFB8.0 Threshold 10.000 MeV
Cross Section (micro-barns)
300
250
200
150
100
50
0
ENDFB8.0/TENDL
Ratio
$10^{0}$
$10^{-1}$
$10^{-2}$
$10^{7}$
$10^{8}$
Incident Energy (eV)
44
34-Se-77

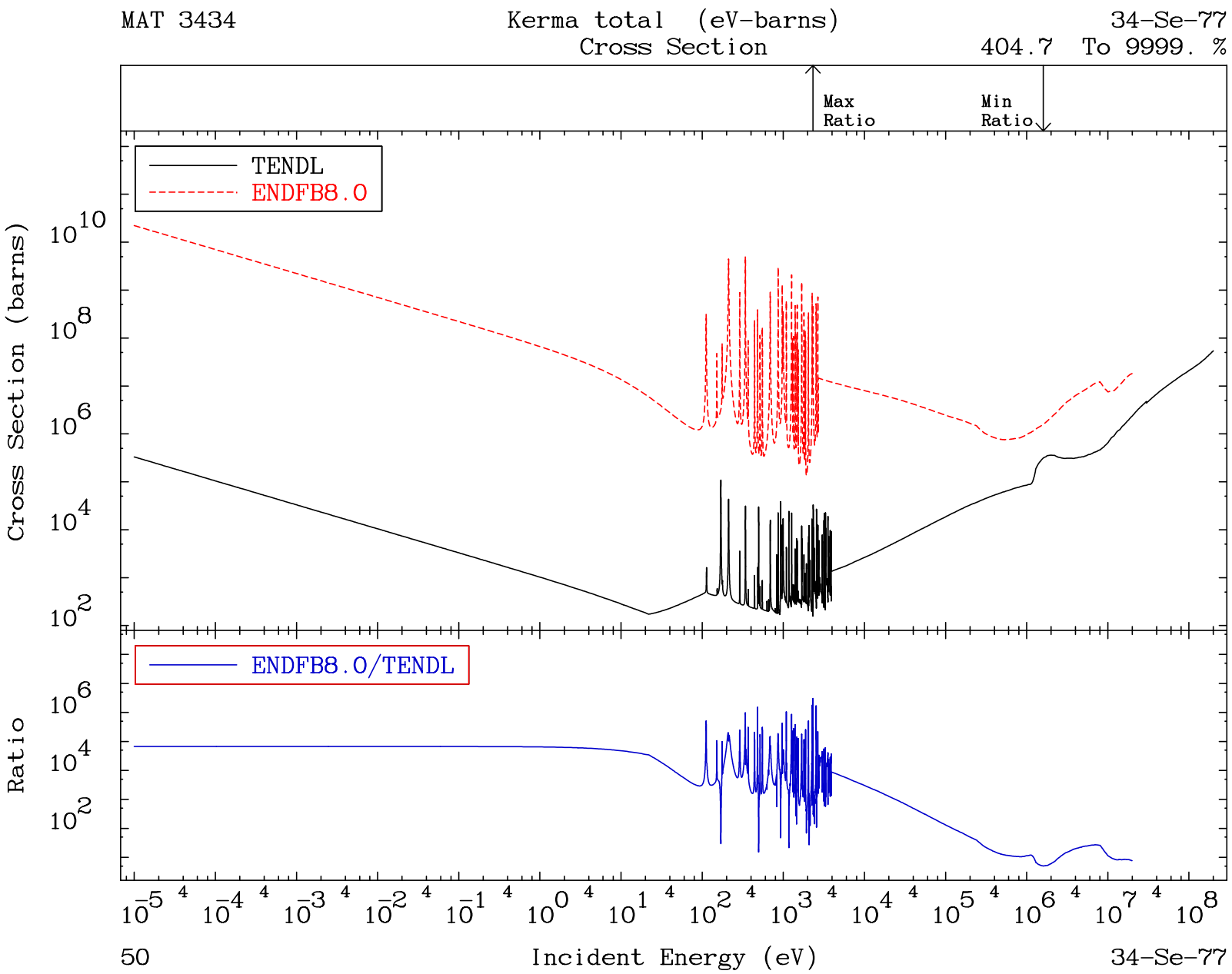

MAT 3434
Hydrogen Production
Cross Section
34-Se-77
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.9080 keV
ENDFB8.0 Threshold 100.00 keV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
ENDFB8.0/TENDL
Ratio
10^3
10^0
10^-3
10^4
10^5
10^6
10^7
10^8
45
Incident Energy (eV)
34-Se-77

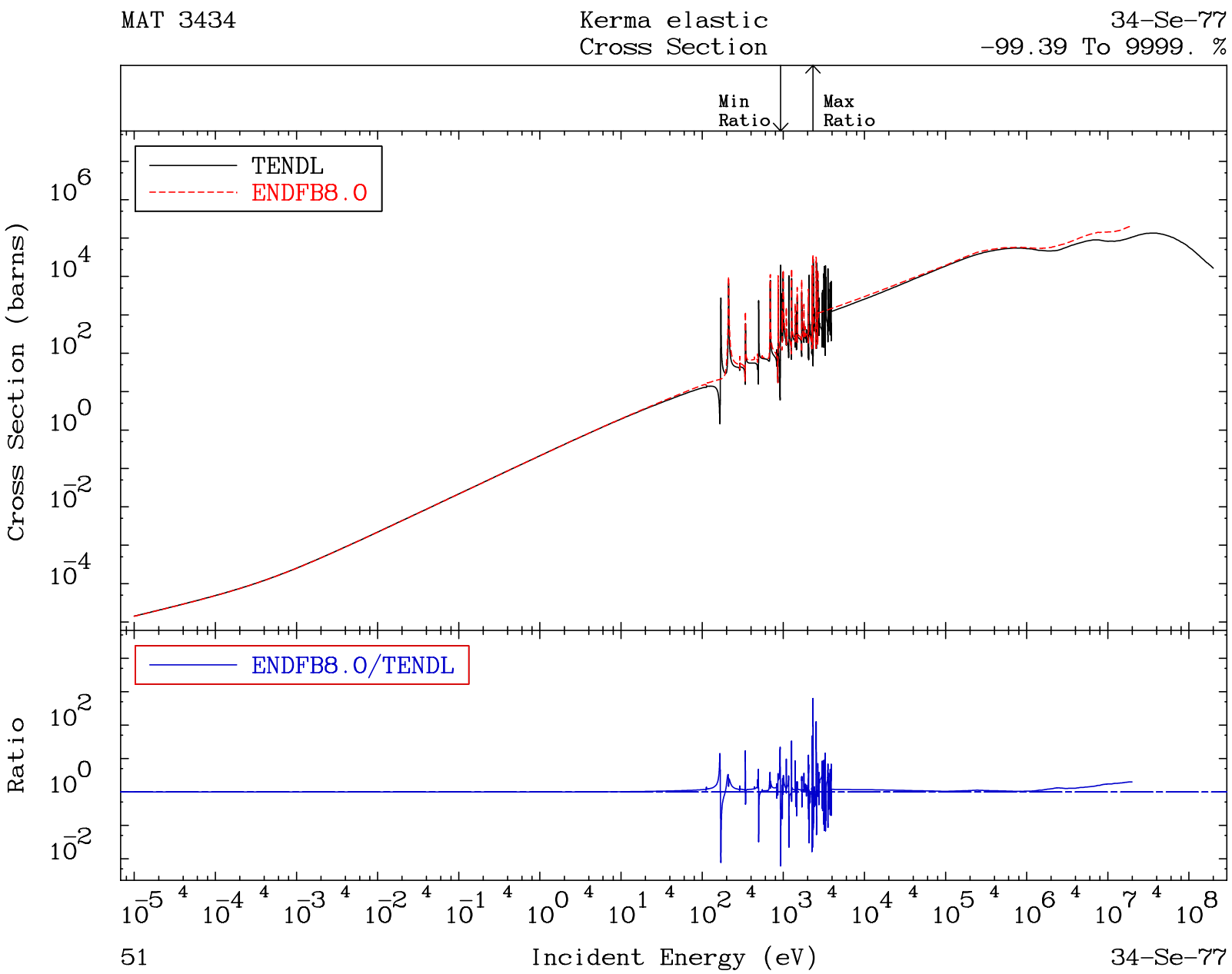

MAT 3434
Deuterium Production
Cross Section
34-Se-77
-99.87 To 360.9 %
Max
Ratio
TENDL Threshold 7.4692 MeV
ENDFB8.0 Threshold 8.0074 MeV
Cross Section (milli-barns)
400
300
200
100
0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
46
Incident Energy (eV)
34-Se-77

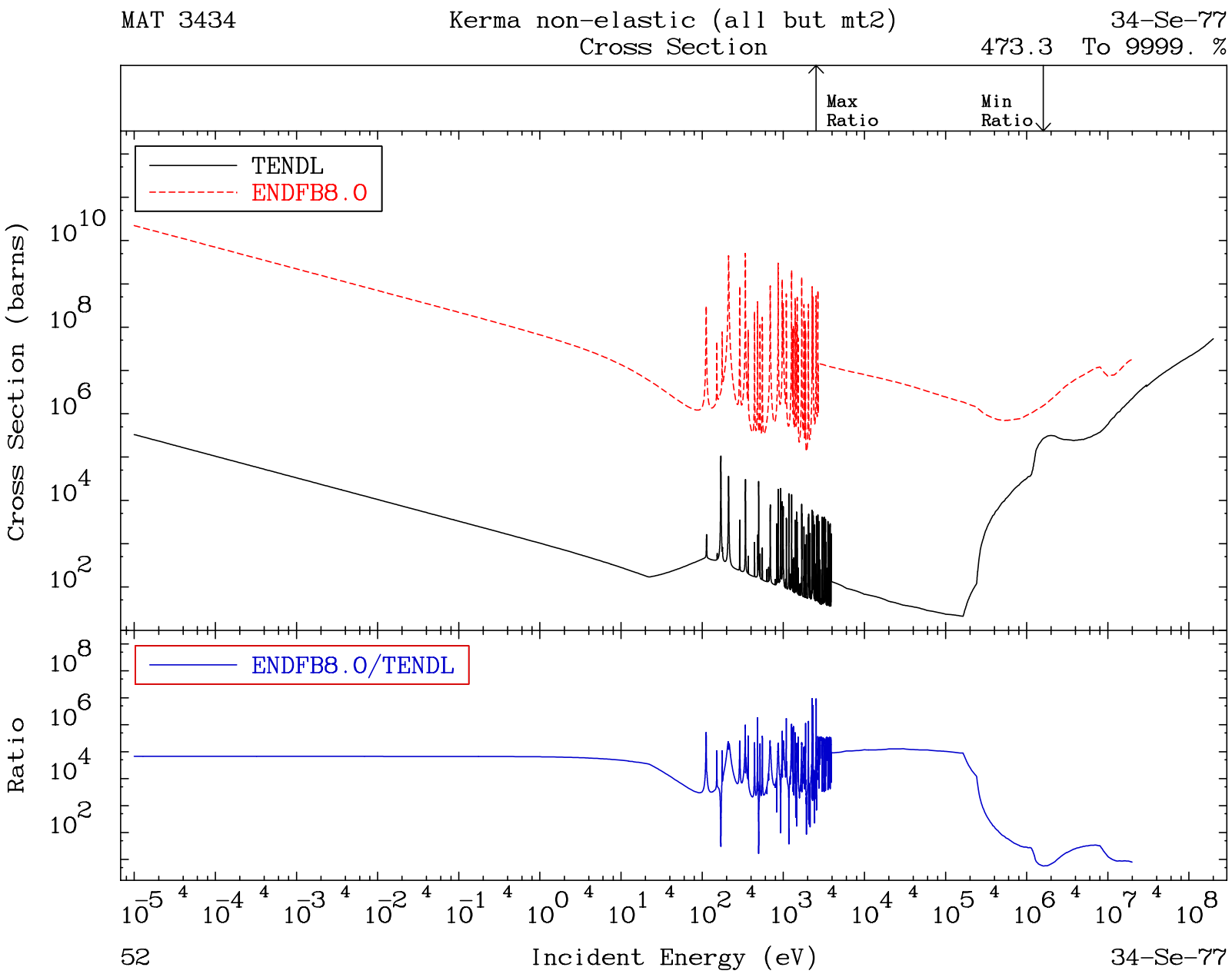

MAT 3434
Tritium Production
Cross Section
34-Se-77
-99.73 To 1407. %
Min
Ratio
TENDL Threshold 8.5545 MeV
ENDFB8.0 Threshold 9.0000 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^2
10^0
10^-2
9
10^7
2
3
4
5
6
7
8
9
10^8
2
47
Incident Energy (eV)
34-Se-77

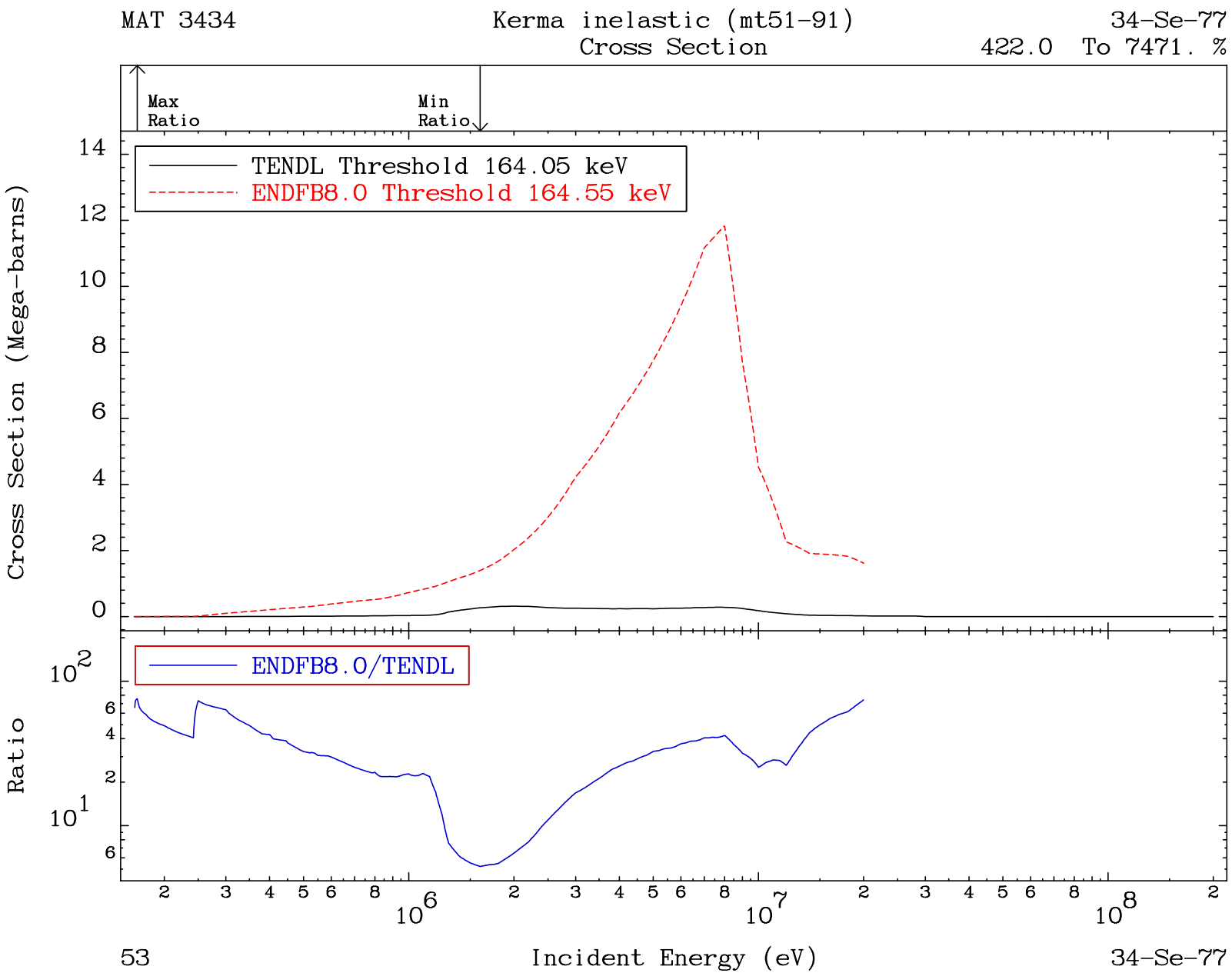

MAT 3434
He-3 Production
Cross Section
34-Se-77
-99.97 To 269.7 %
Min Ratio
Max Ratio
TENDL Threshold 9.7283 MeV
ENDFB8.0 Threshold 11.000 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
10^7
2
3
4
5
6
7
8
9
10^8
2
48
Incident Energy (eV)
34-Se-77

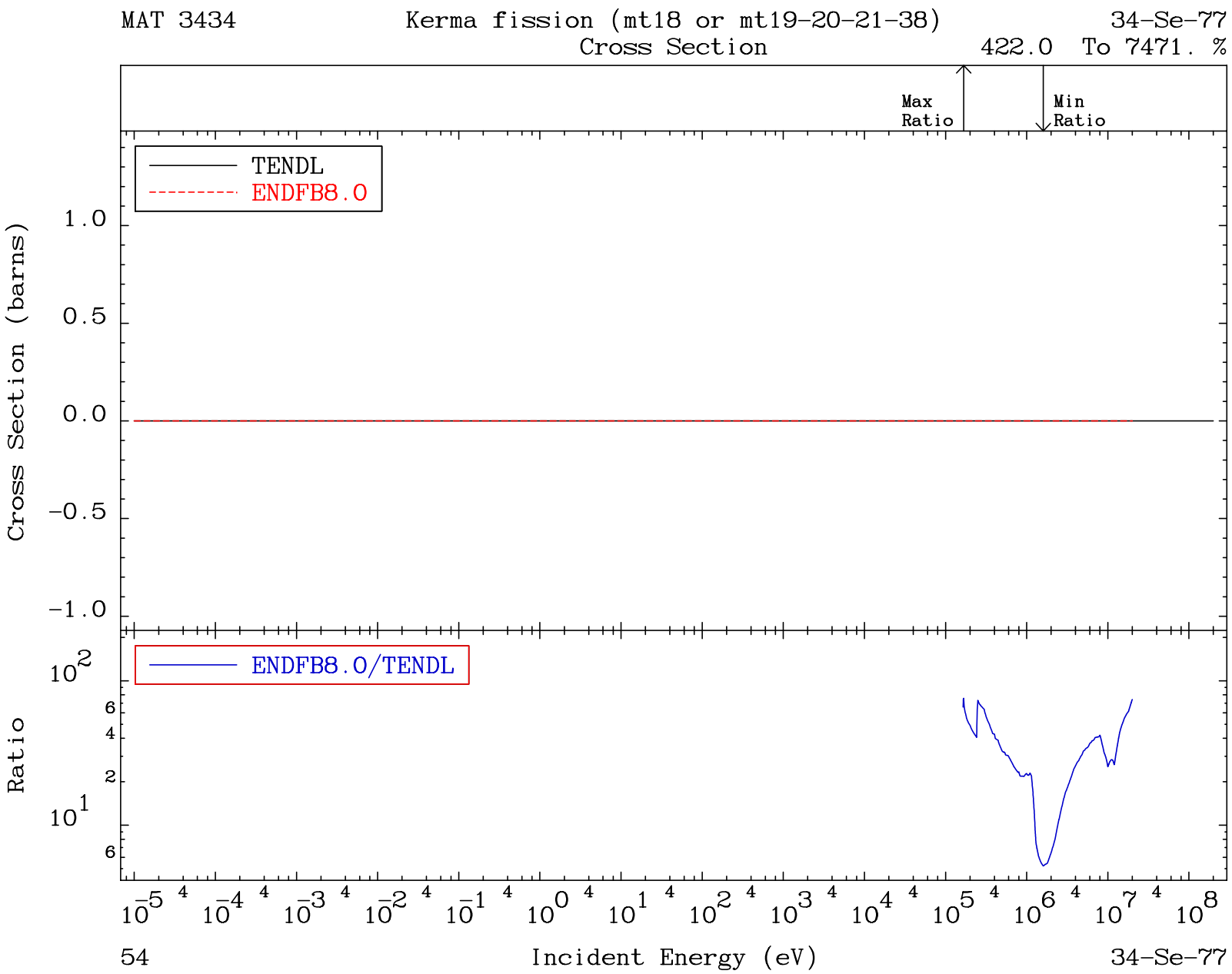

MAT 3434
He-4 Production
Cross Section
34-Se-77
-100.0 To 1103. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0 Threshold 100.00 keV
Cross Section (milli-barns)
300
250
200
150
100
50
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
49
Incident Energy (eV)
34-Se-77

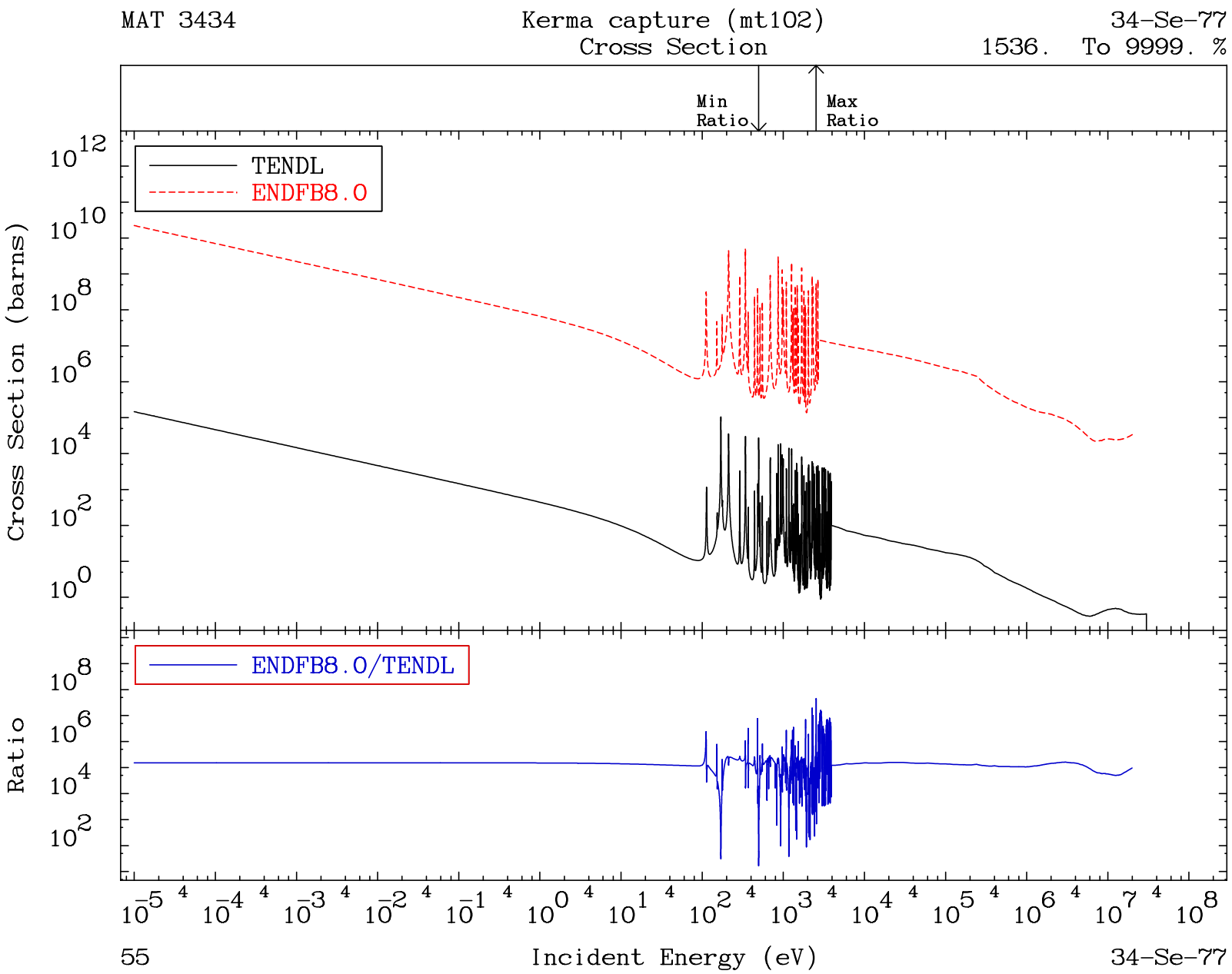

MAT 3434
Kerma total (eV-barns)
Cross Section
34-Se-77
404.7 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
50
34-Se-77

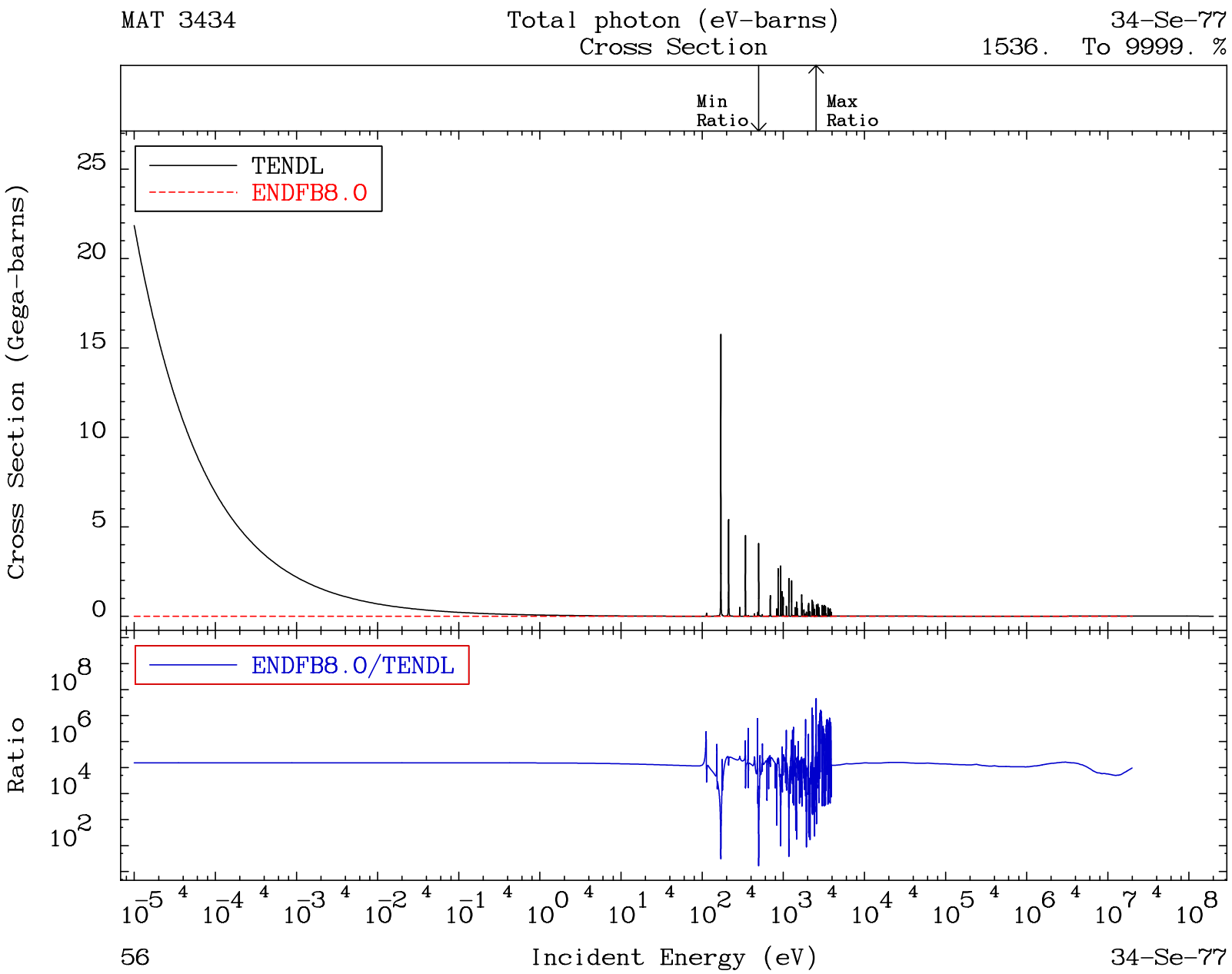

MAT 3434
Kerma elastic
Cross Section
34-Se-77
-99.39 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
51
34-Se-77

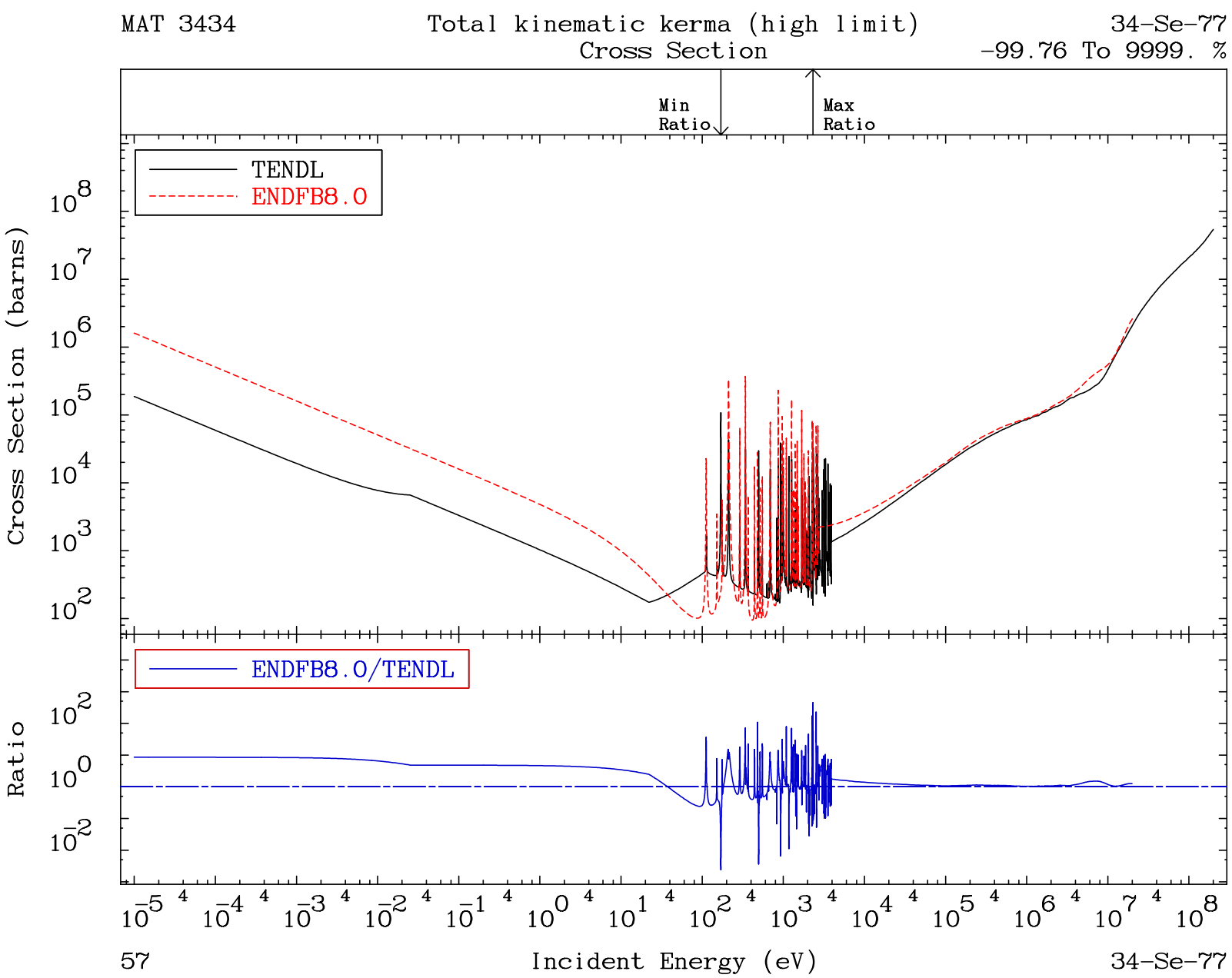

MAT 3434
Kerma non-elastic (all but mt2)
Cross Section
34-Se-77
473.3 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
52
34-Se-77

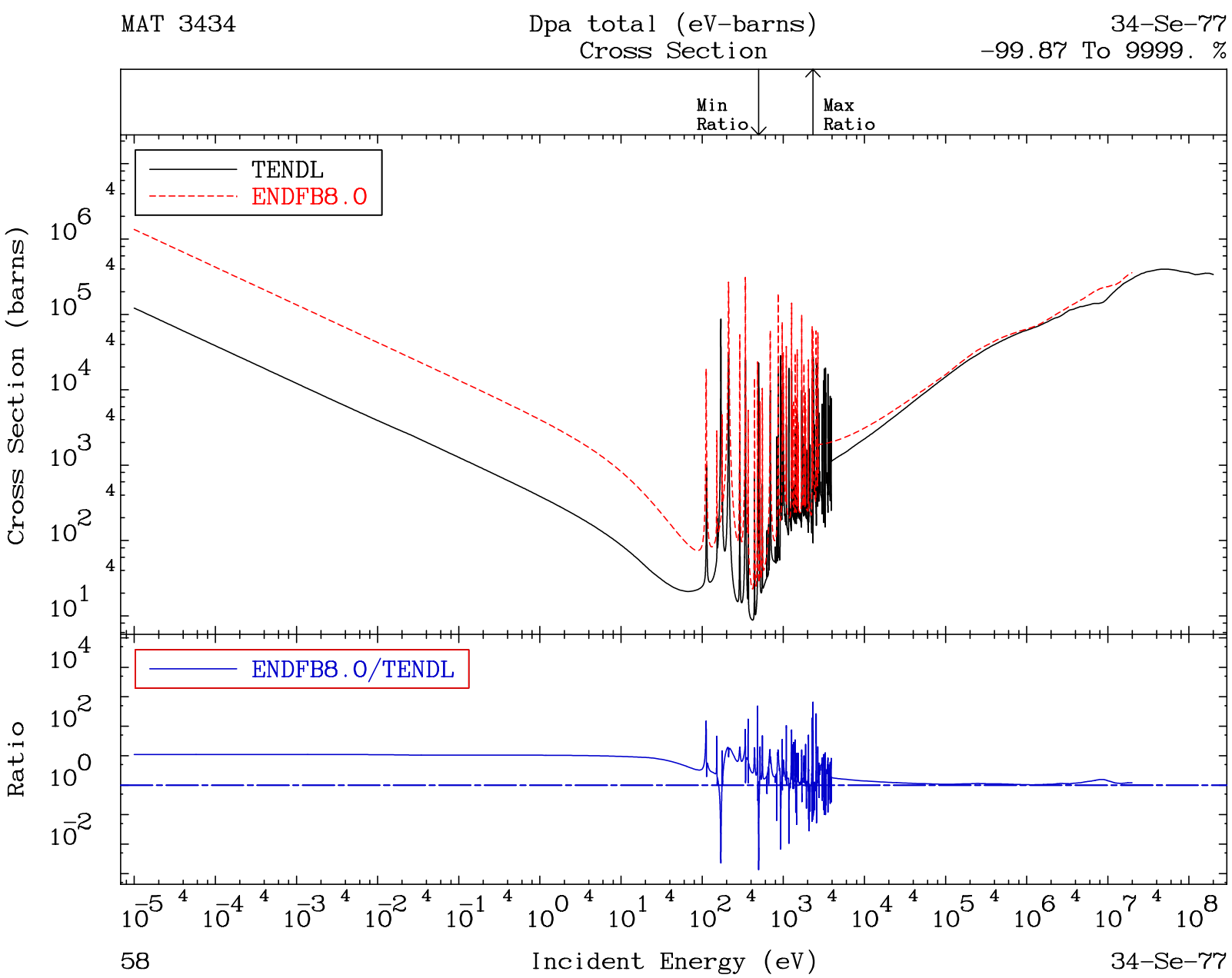

MAT 3434
Kerma inelastic (mt51-91)
Cross Section
34-Se-77
422.0 To 7471. %
Max Ratio
Min Ratio
TENDL Threshold 164.05 keV
ENDFB8.0 Threshold 164.55 keV
Cross Section (Mega-barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
53
34-Se-77

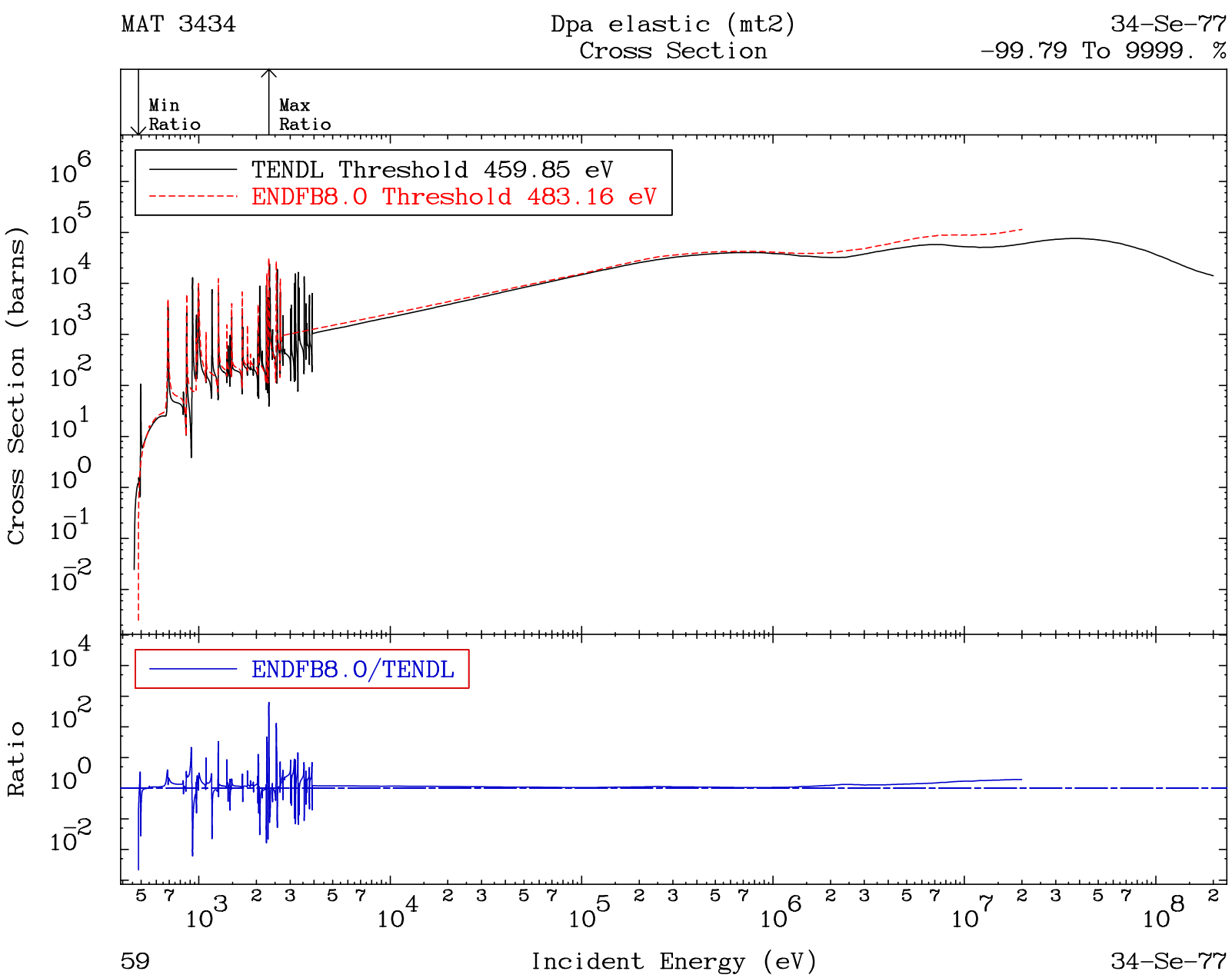

MAT 3434
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
34-Se-77
422.0 To 7471. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
ENDFB8.0/TENDL
Ratio
10^2
10^1
Incident Energy (eV)
54
34-Se-77

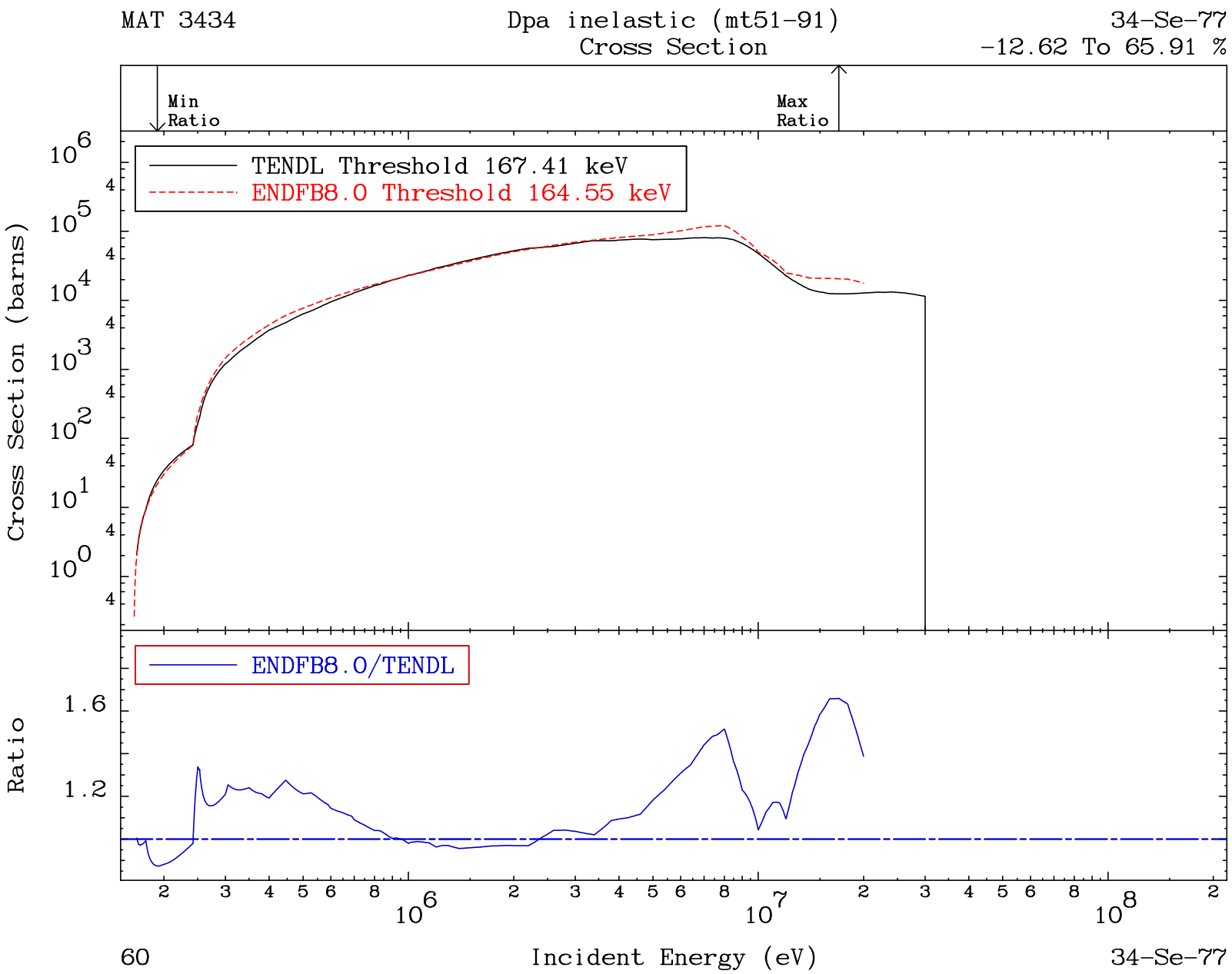

MAT 3434
Kerma capture (mt102)
Cross Section
34-Se-77
1536. To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
55
34-Se-77

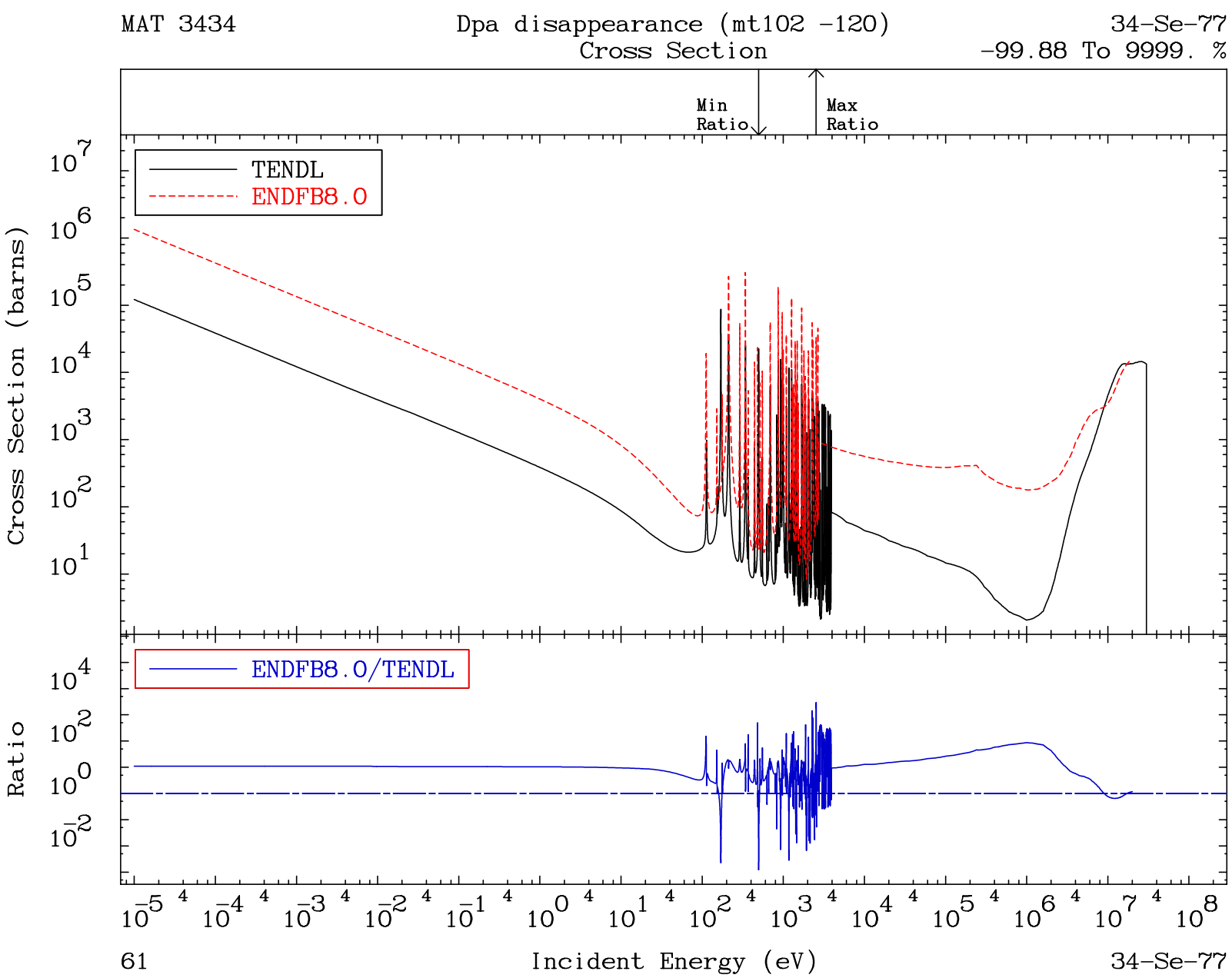

MAT 3434
Total photon (eV-barns)
Cross Section
34-Se-77
1536. To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (Giga-barns)
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
10^8
10^6
10^4
10^2
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
56
Incident Energy (eV)
34-Se-77


MAT 3434
Total kinematic kerma (high limit)
Cross Section
34-Se-77
-99.76 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
57
34-Se-77


MAT 3434
Dpa total (eV-barns)
Cross Section
34-Se-77
-99.87 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
58
34-Se-77


MAT 3434
Dpa elastic (mt2)
Cross Section
34-Se-77
-99.79 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 459.85 eV
ENDFB8.0 Threshold 483.16 eV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
59
Incident Energy (eV)
34-Se-77


MAT 3434
Dpa inelastic (mt51-91)
Cross Section
34-Se-77
-12.62 To 65.91 %
Min Ratio
Max Ratio
TENDL Threshold 167.41 keV
ENDFB8.0 Threshold 164.55 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
60
34-Se-77


MAT 3434
Dpa disappearance (mt102 -120)
Cross Section
34-Se-77
-99.88 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
61
34-Se-77