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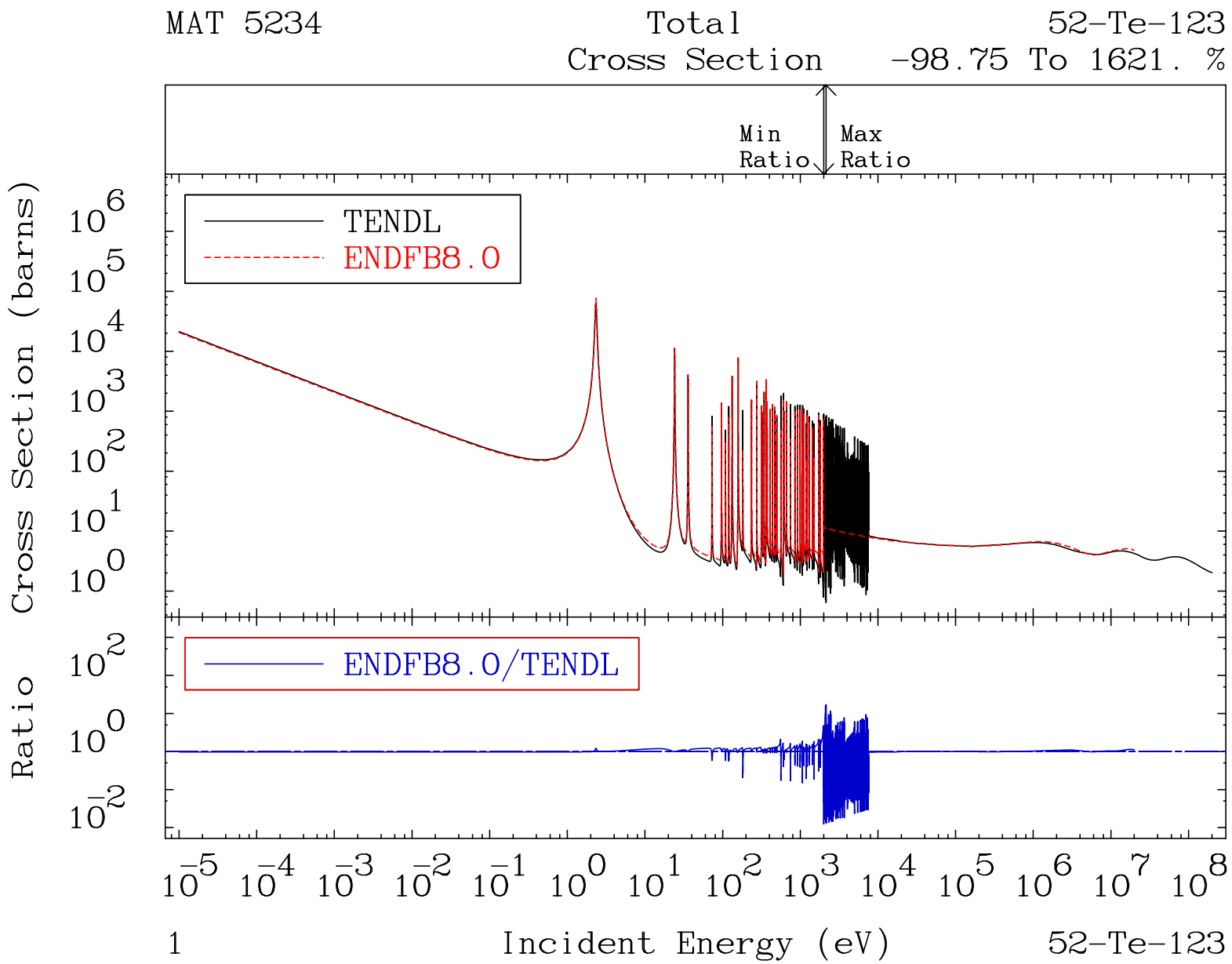
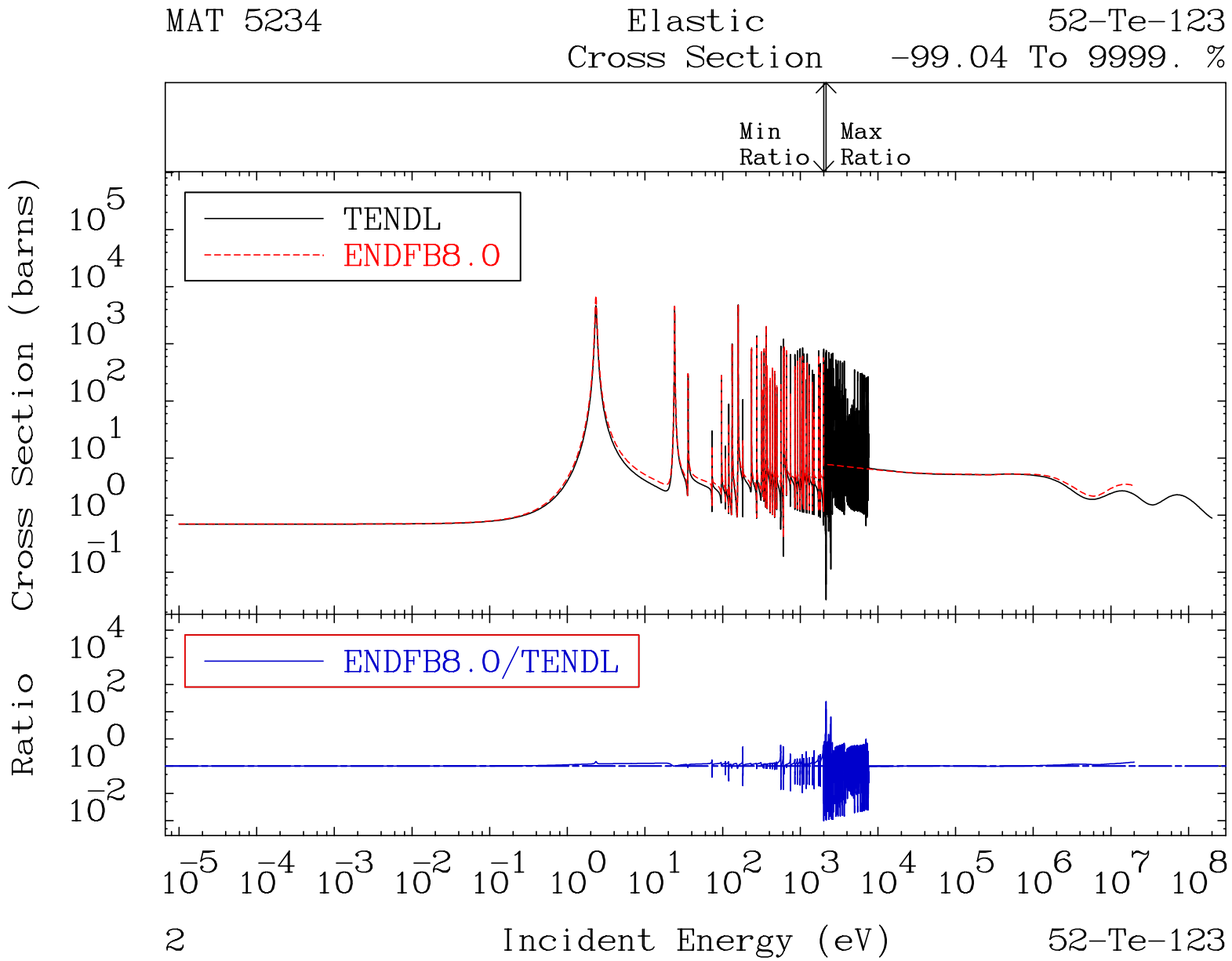
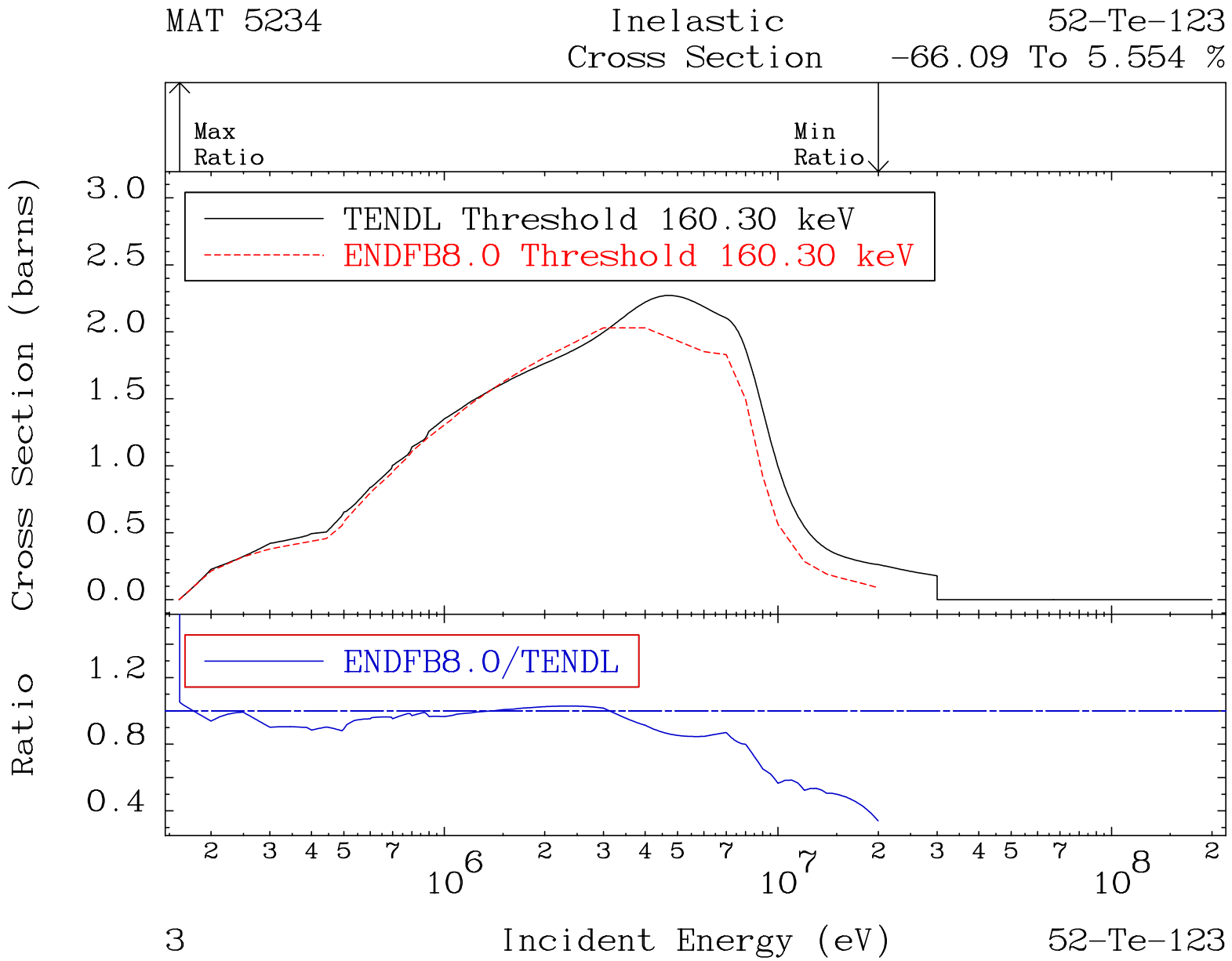
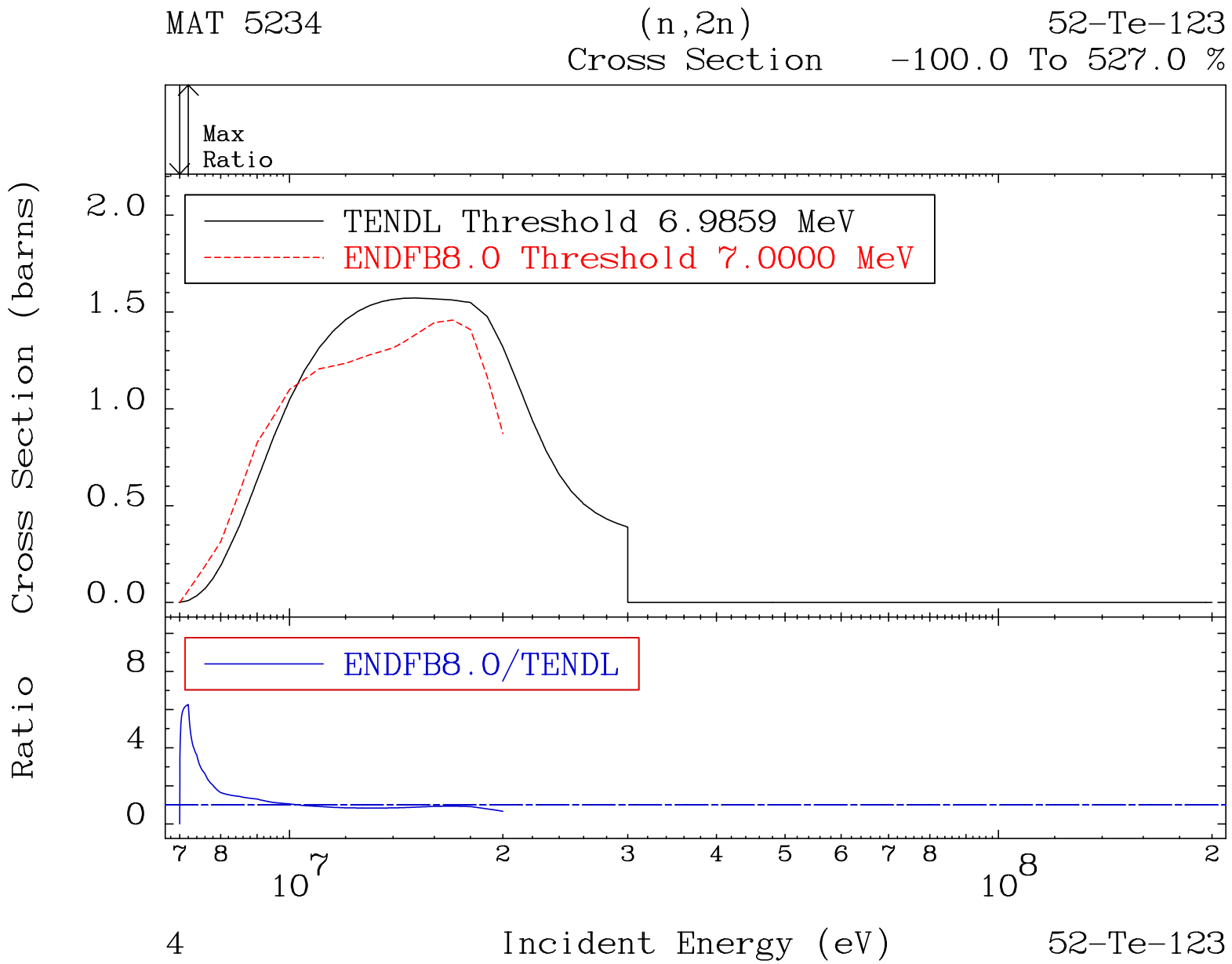
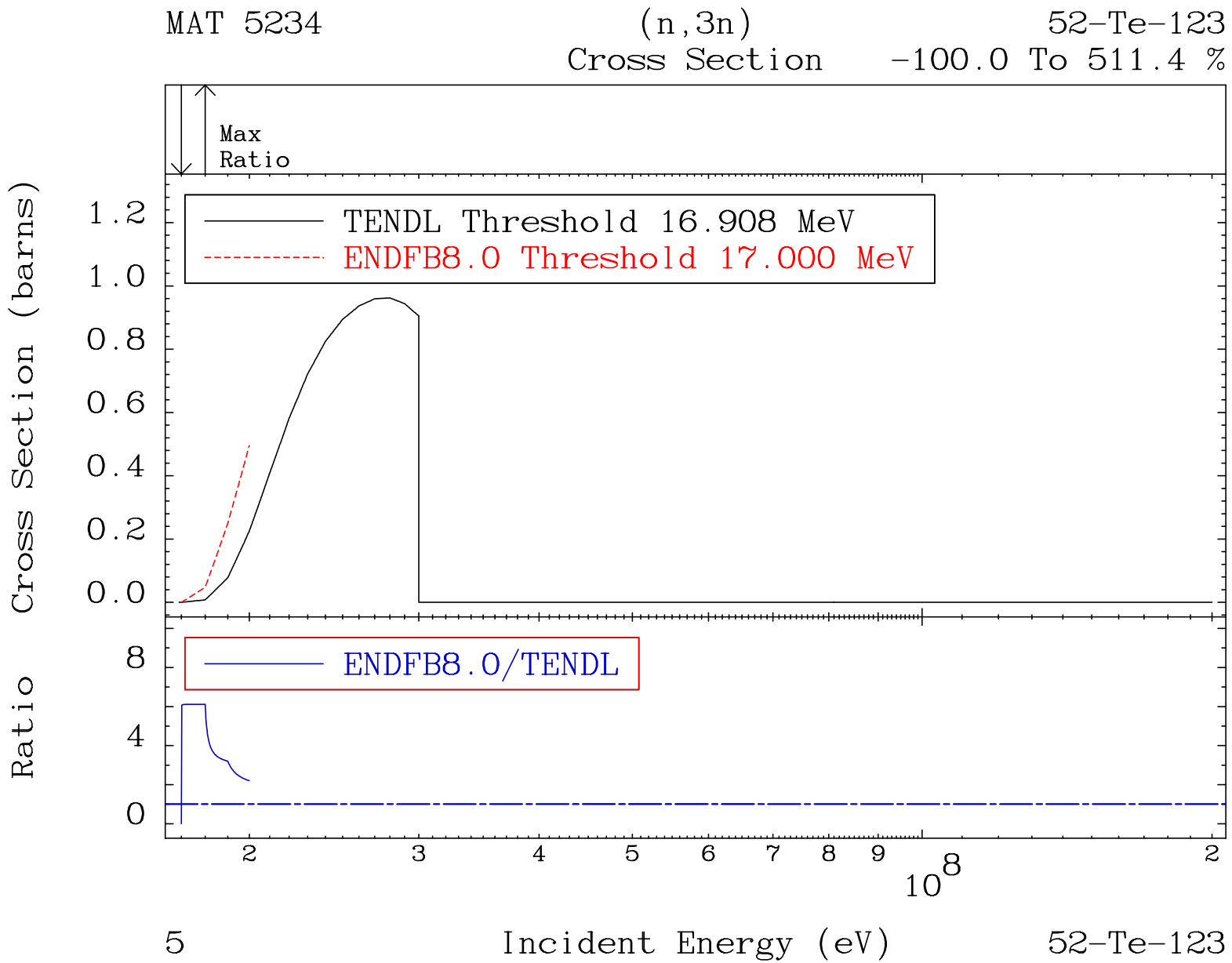
Press Mouse Button to Start

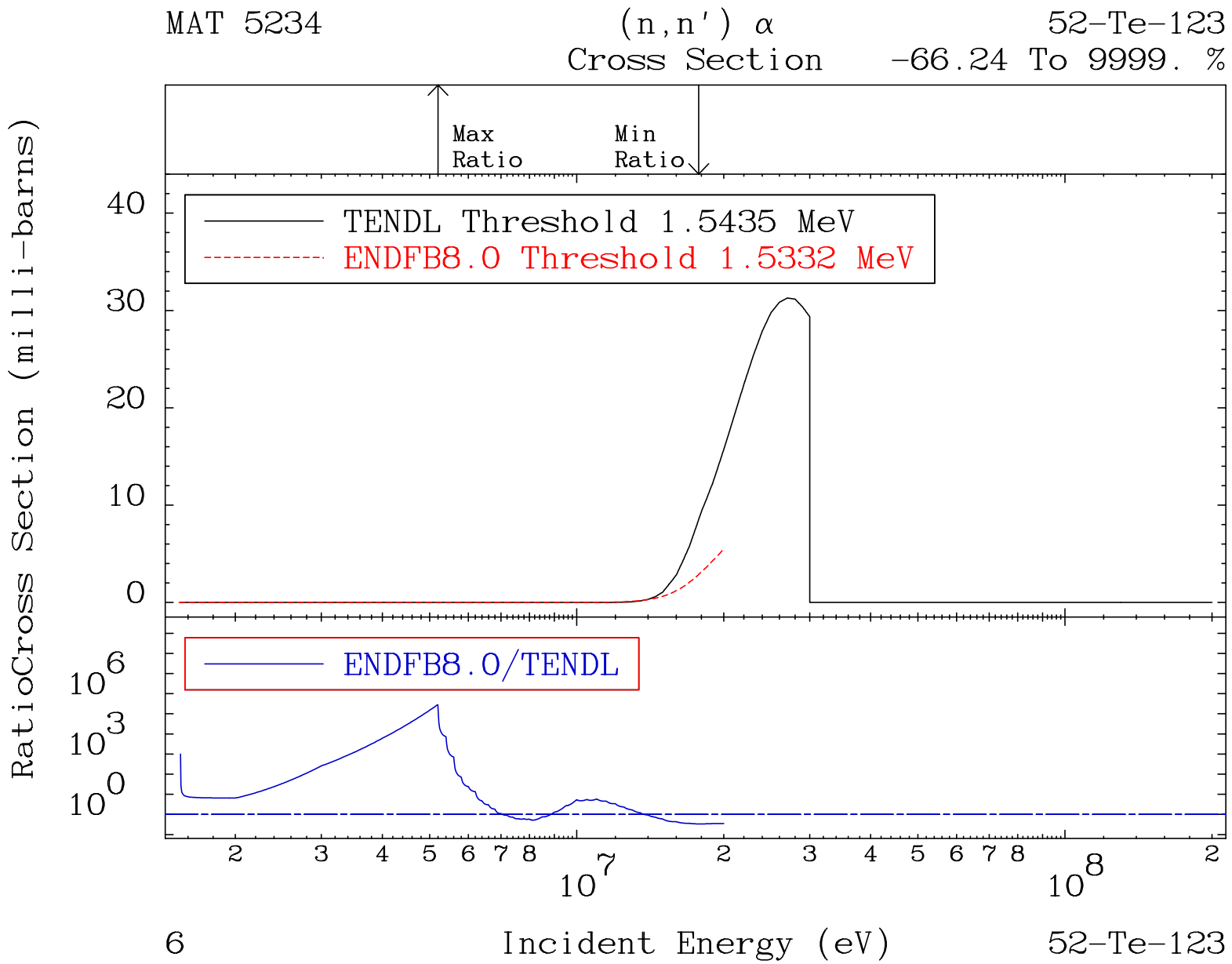

MAT 5234
Total
Cross Section
52-Te-123
-98.75 To 1621. %
Min
Ratio
Max
Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
52-Te-123

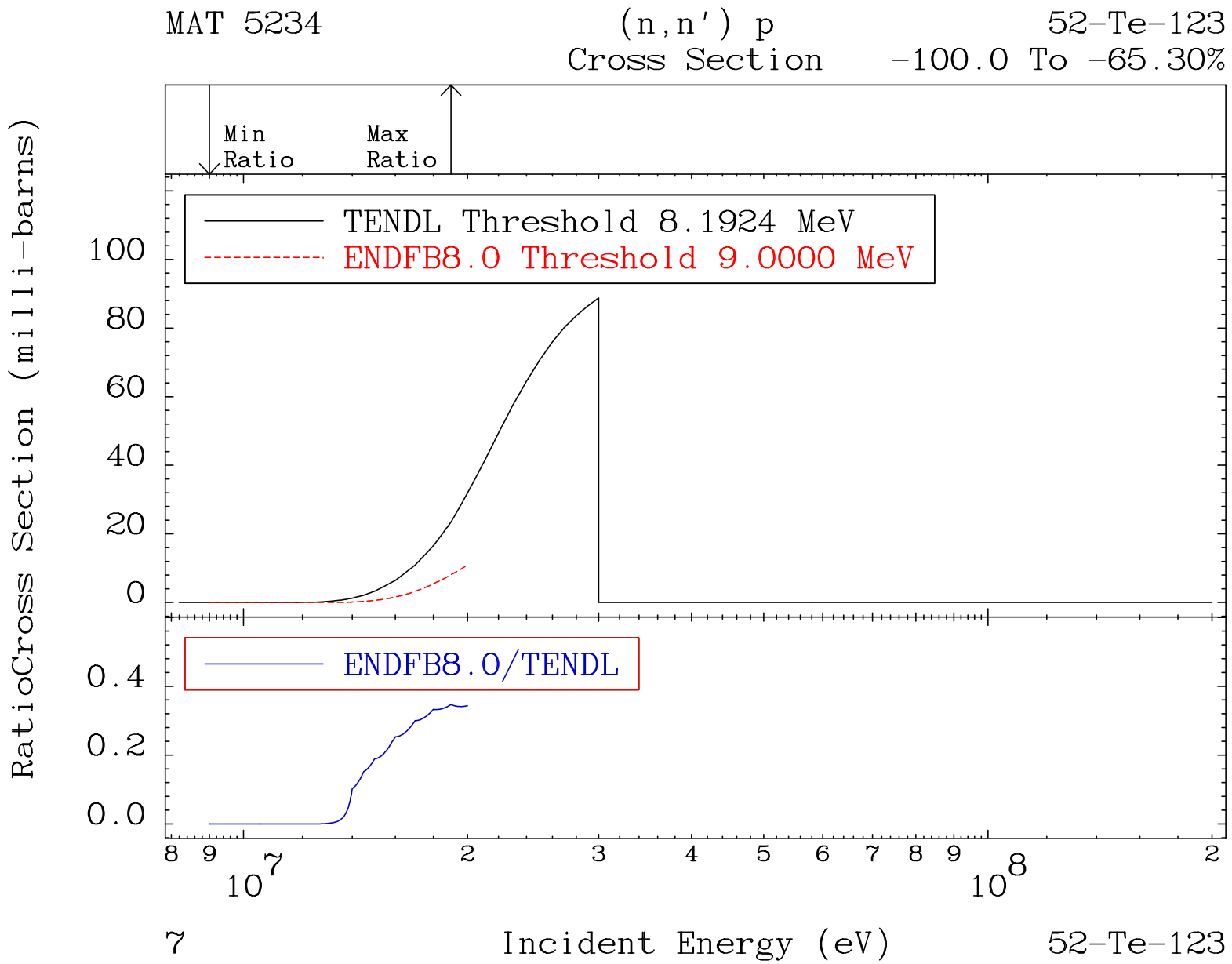

MAT 5234
Elastic
Cross Section
52-Te-123
-99.04 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
52-Te-123

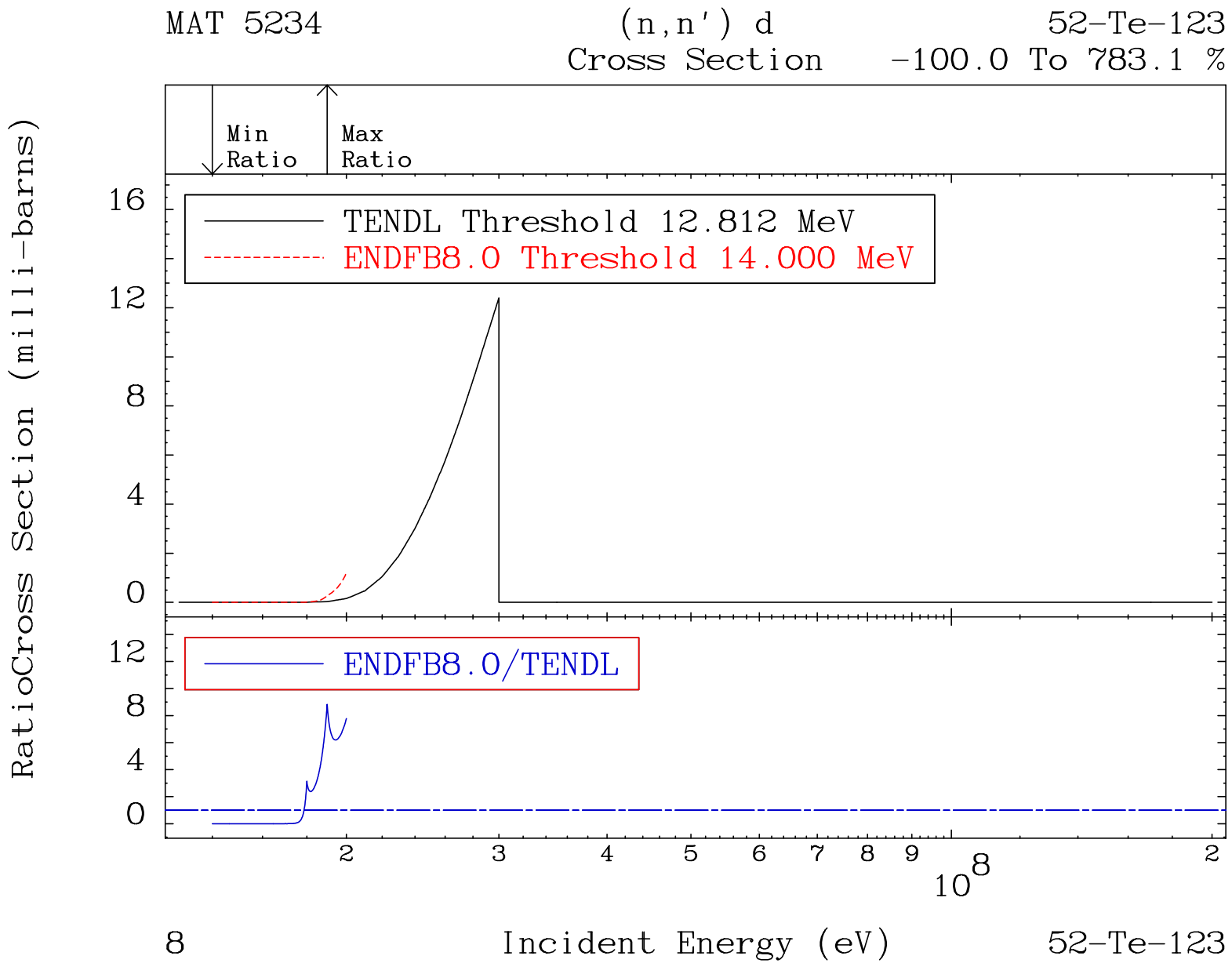

MAT 5234
Inelastic
Cross Section
52-Te-123
-66.09 To 5.554 %
Max
Ratio
Min
Ratio
TENDL Threshold 160.30 keV
ENDFB8.0 Threshold 160.30 keV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
1.2
0.8
0.4
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
3
Incident Energy (eV)
52-Te-123

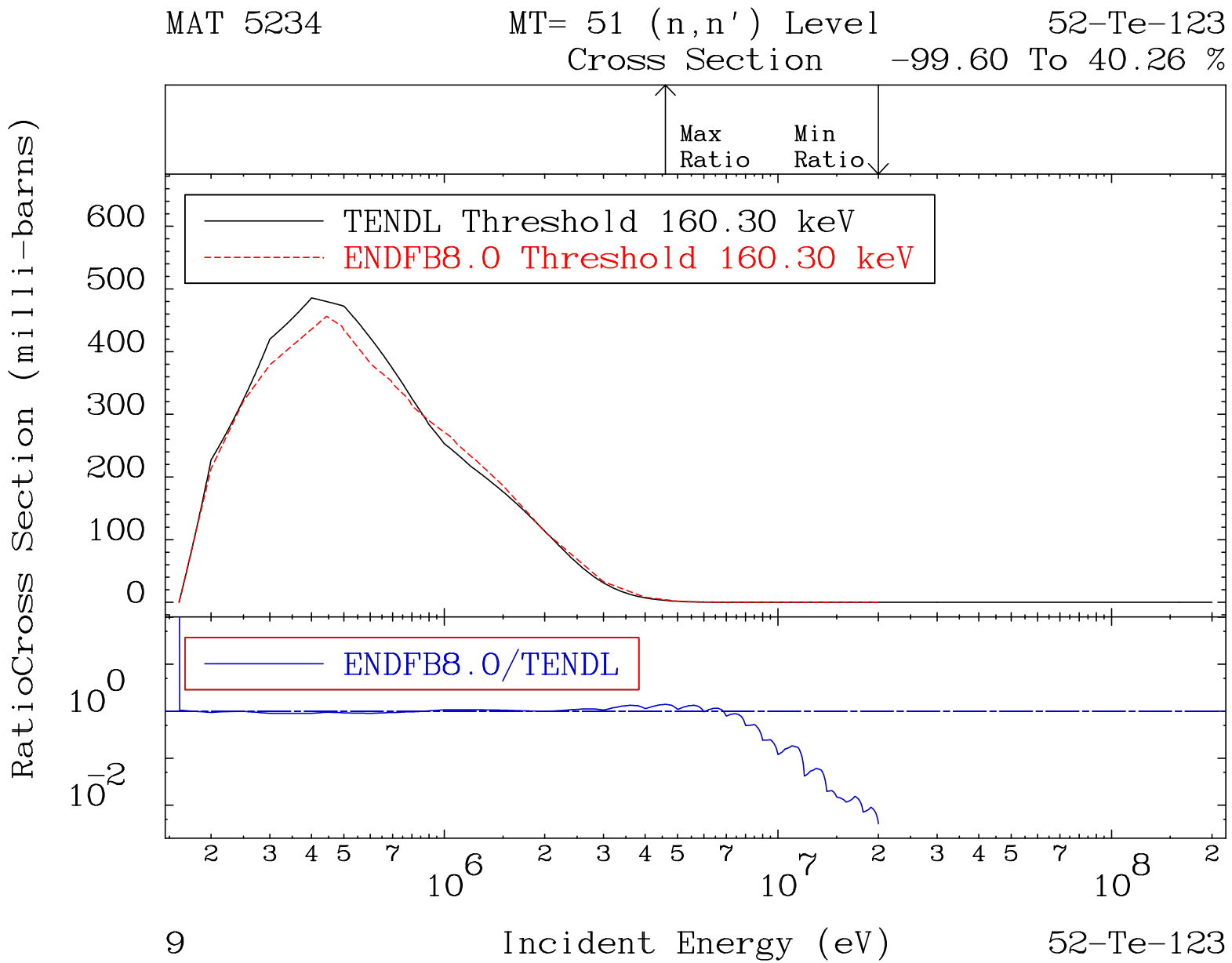

MAT 5234
(n,2n)
Cross Section
52-Te-123
-100.0 To 527.0 %
Max
Ratio
TENDL Threshold 6.9859 MeV
ENDFB8.0 Threshold 7.0000 MeV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
8
4
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
4
52-Te-123

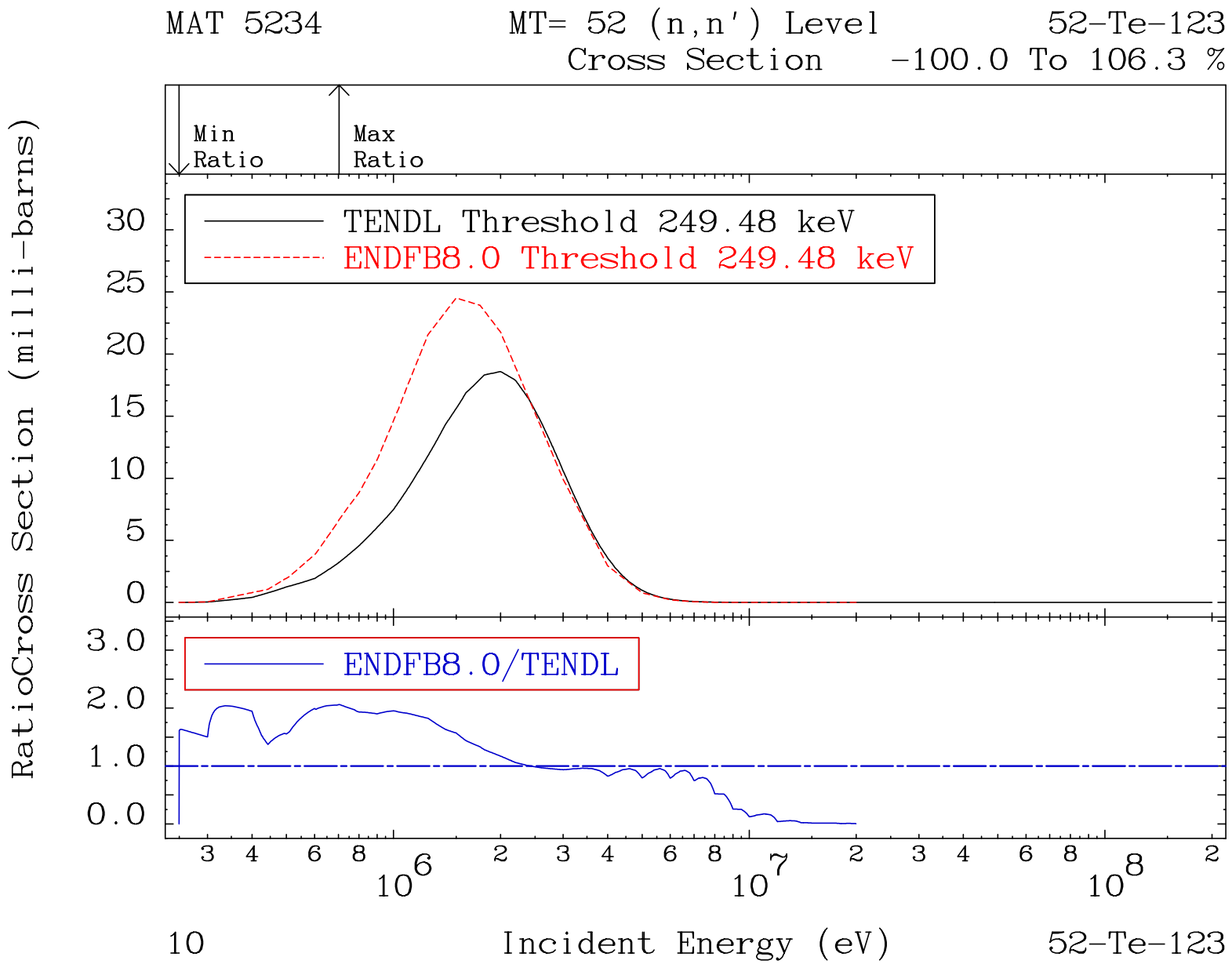

MAT 5234
(n,3n)
Cross Section
52-Te-123
-100.0 To 511.4 %
Max
Ratio
TENDL Threshold 16.908 MeV
ENDFB8.0 Threshold 17.000 MeV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
8
4
0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
52-Te-123

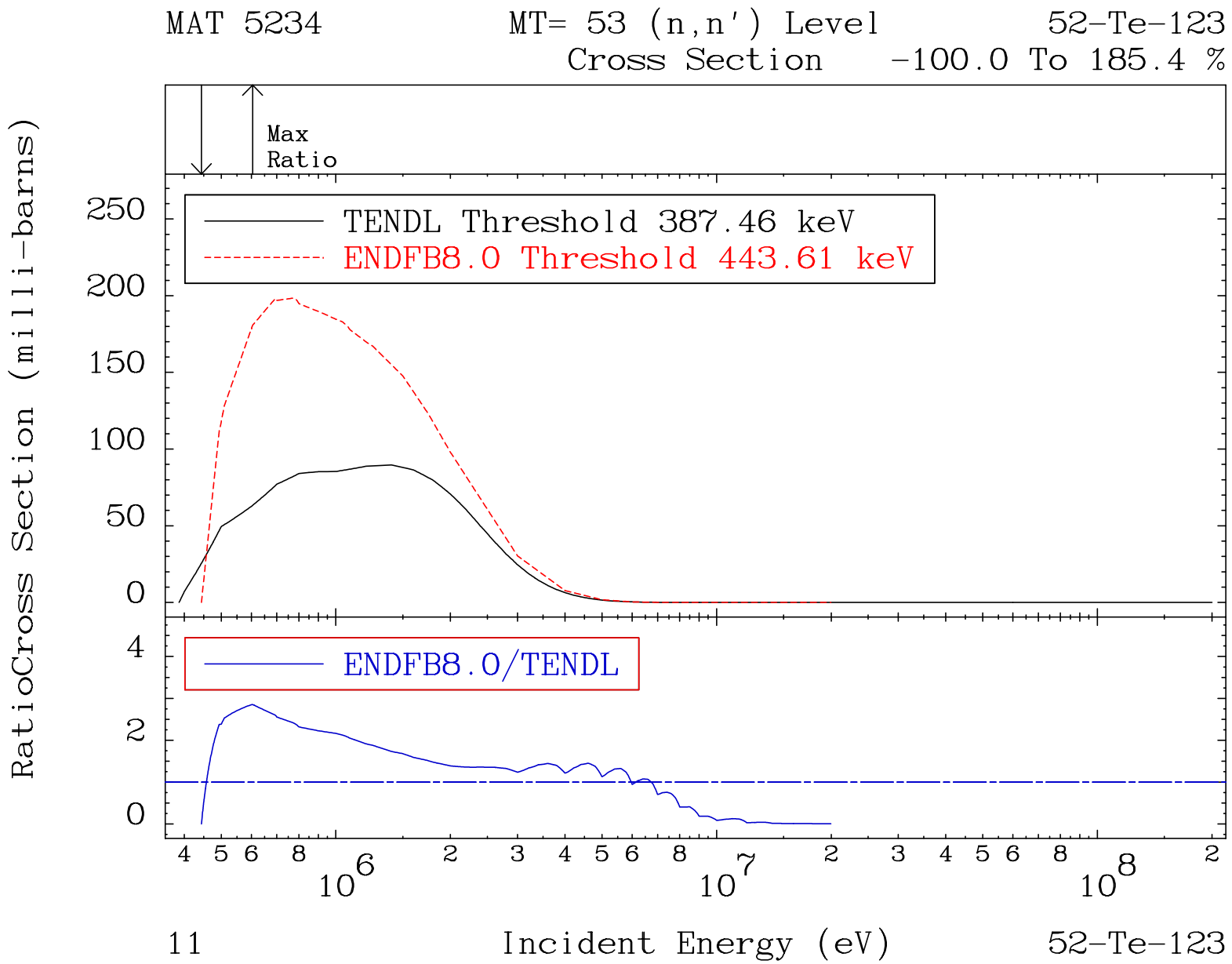

MAT 5234
(n,n') α
Cross Section
52-Te-123
-66.24 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.5435 MeV
ENDFB8.0 Threshold 1.5332 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
6
52-Te-123

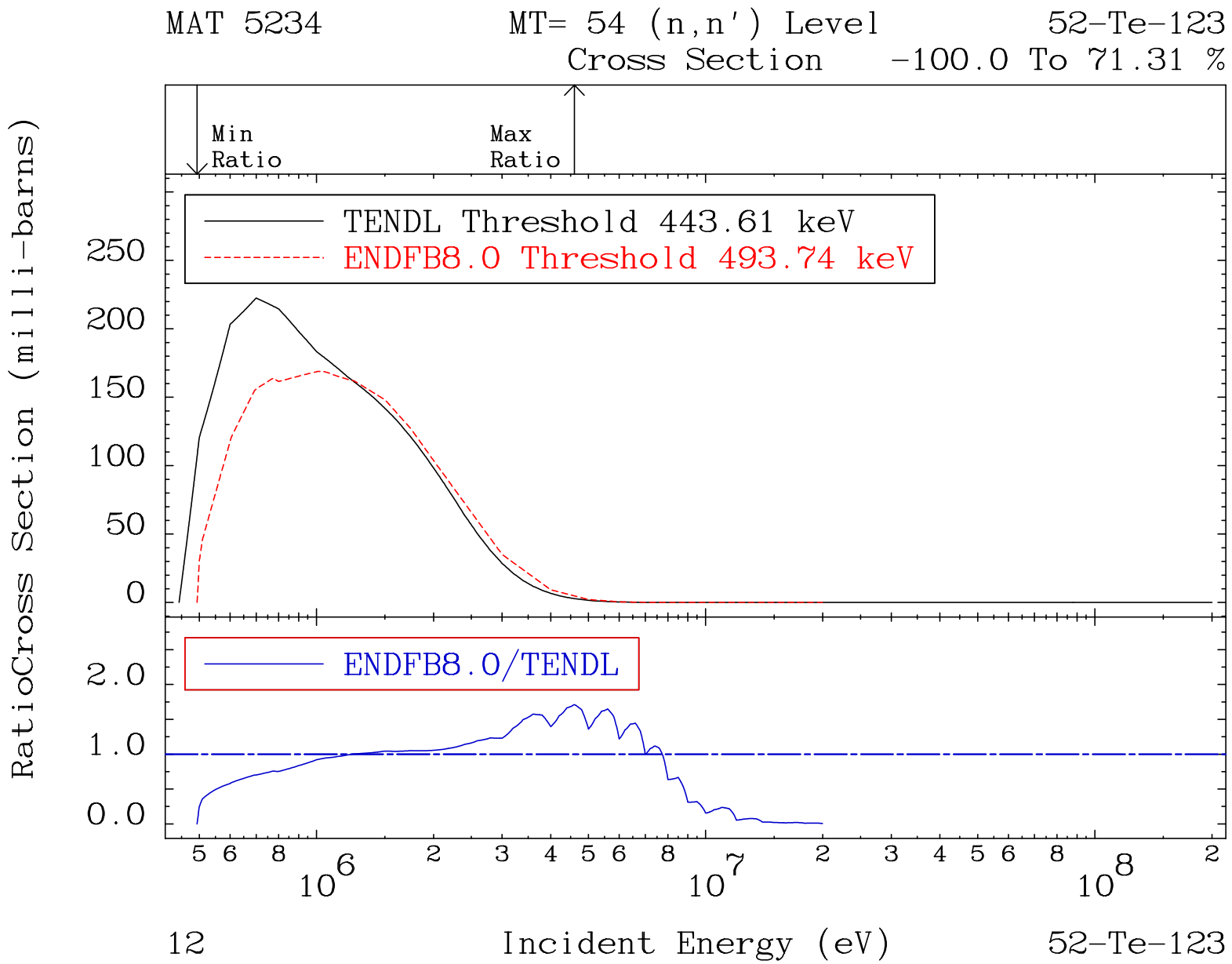

MAT 5234
(n,n') p
Cross Section
52-Te-123
-100.0 To -65.30%
Min Ratio
Max Ratio
TENDL Threshold 8.1924 MeV
ENDFB8.0 Threshold 9.0000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
0.4
0.2
0.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
7
Incident Energy (eV)
52-Te-123

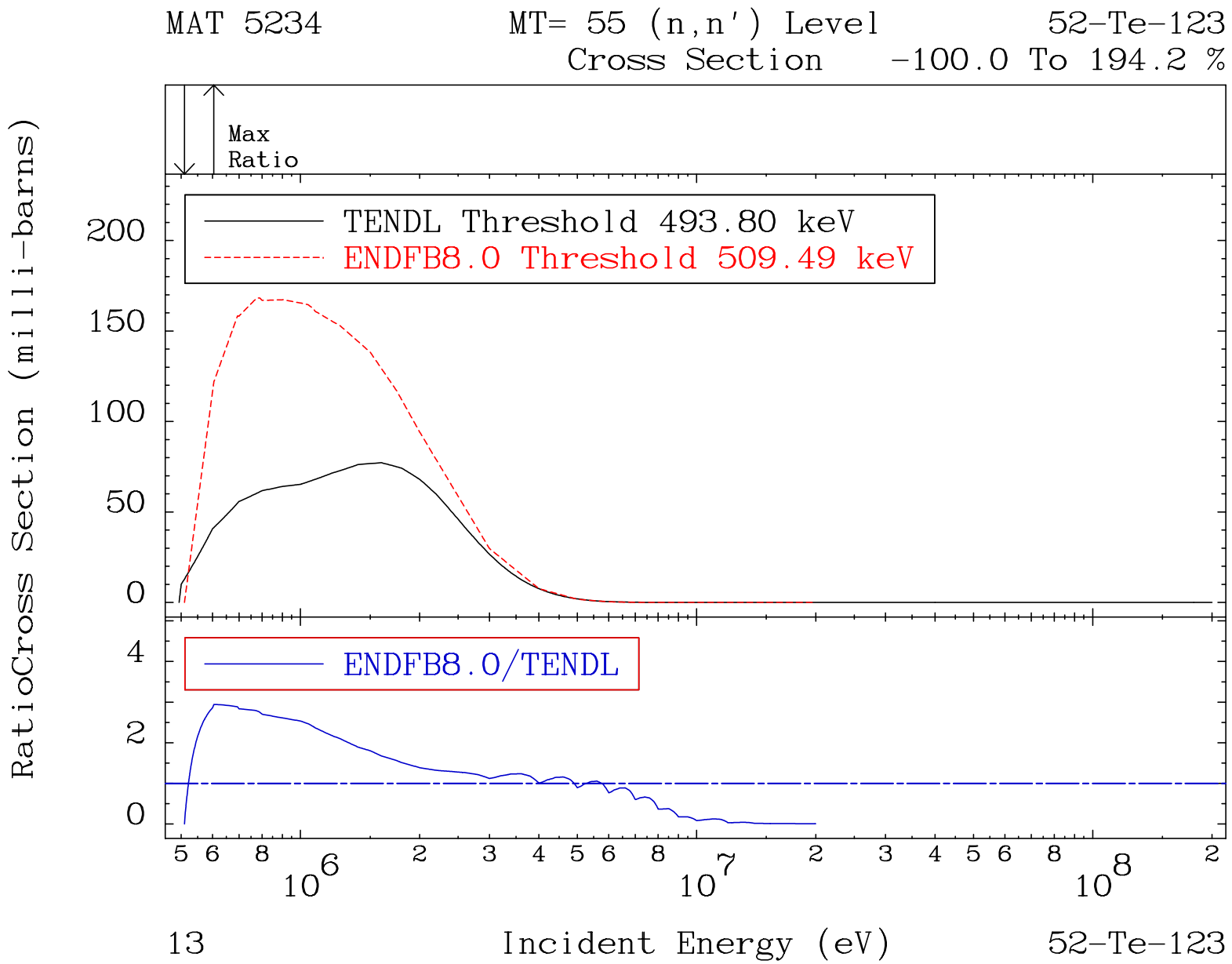

MAT 5234
(n,n') d
52-Te-123
Cross Section
-100.0 To 783.1 %
Min Ratio
Max Ratio
TENDL Threshold 12.812 MeV
ENDFB8.0 Threshold 14.000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
12
8
4
0
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
52-Te-123

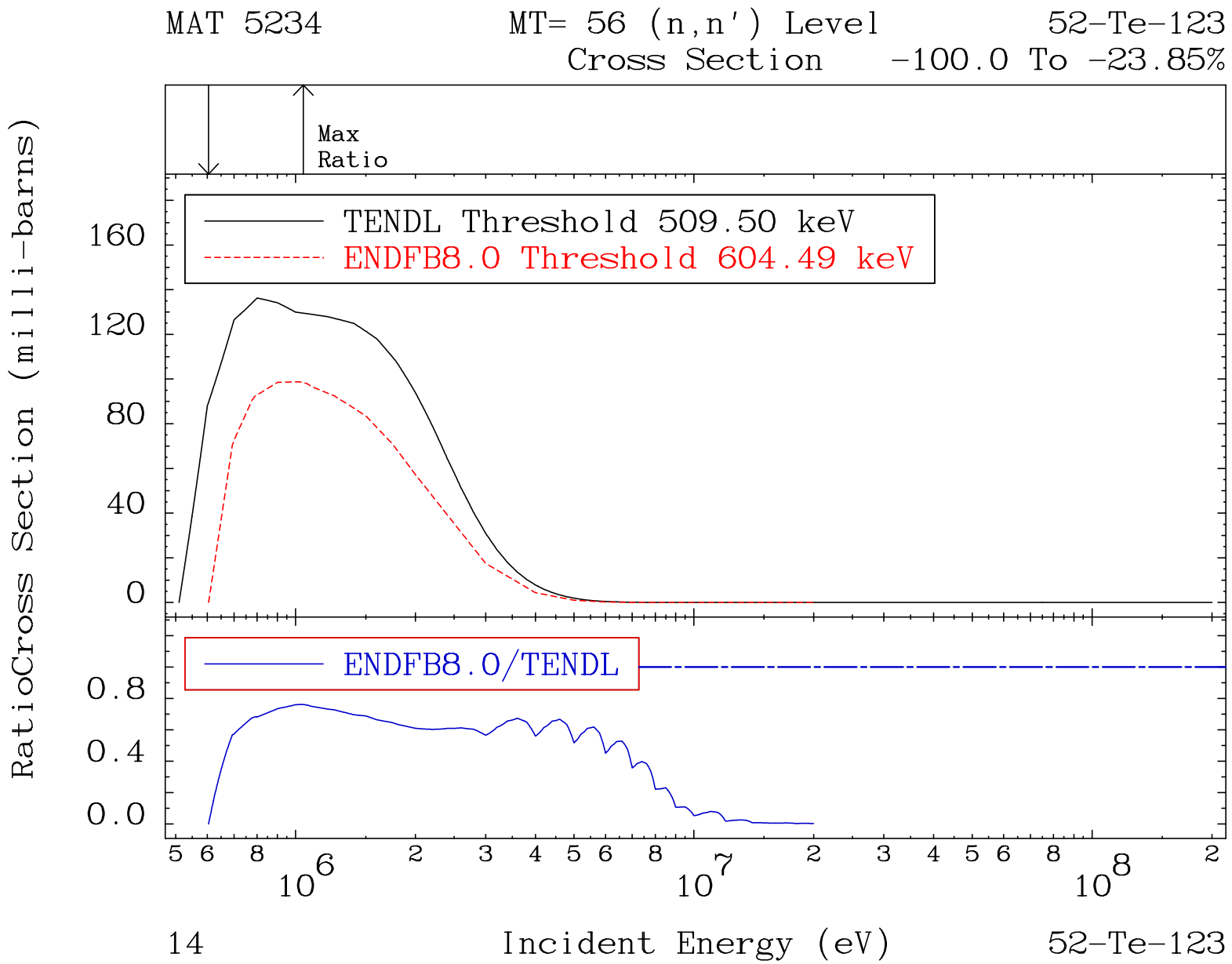

MAT 5234
MT= 51 (n,n') Level
52-Te-123
Cross Section
-99.60 To 40.26 %
Max Ratio
Min Ratio
TENDL Threshold 160.30 keV
ENDFB8.0 Threshold 160.30 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
10^0
10^-2
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
Incident Energy (eV)
9
52-Te-123

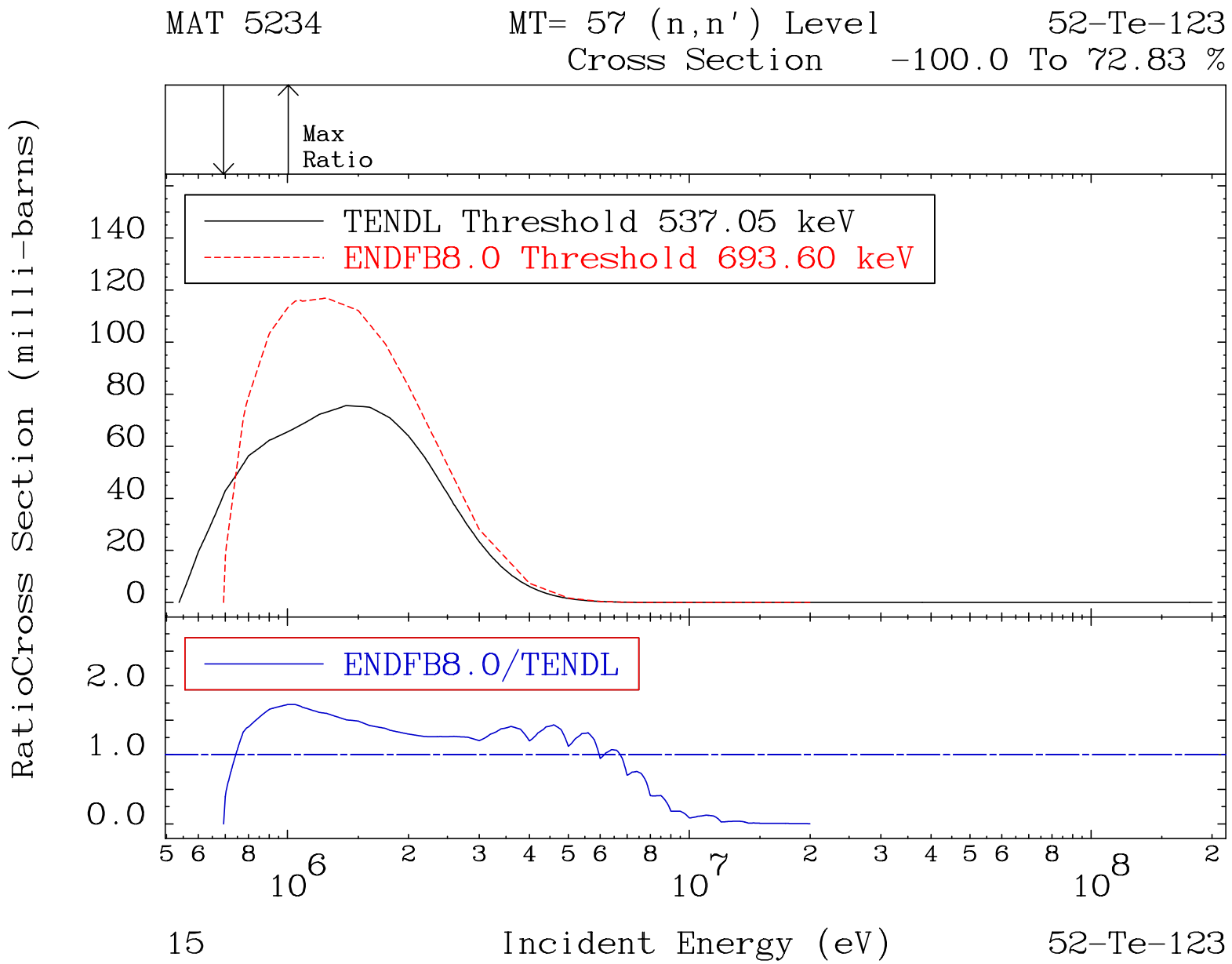

MAT 5234
MT= 52 (n,n') Level
52-Te-123
Cross Section
-100.0 To 106.3 %
Min Ratio
Max Ratio
TENDL Threshold 249.48 keV
ENDFB8.0 Threshold 249.48 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
52-Te-123

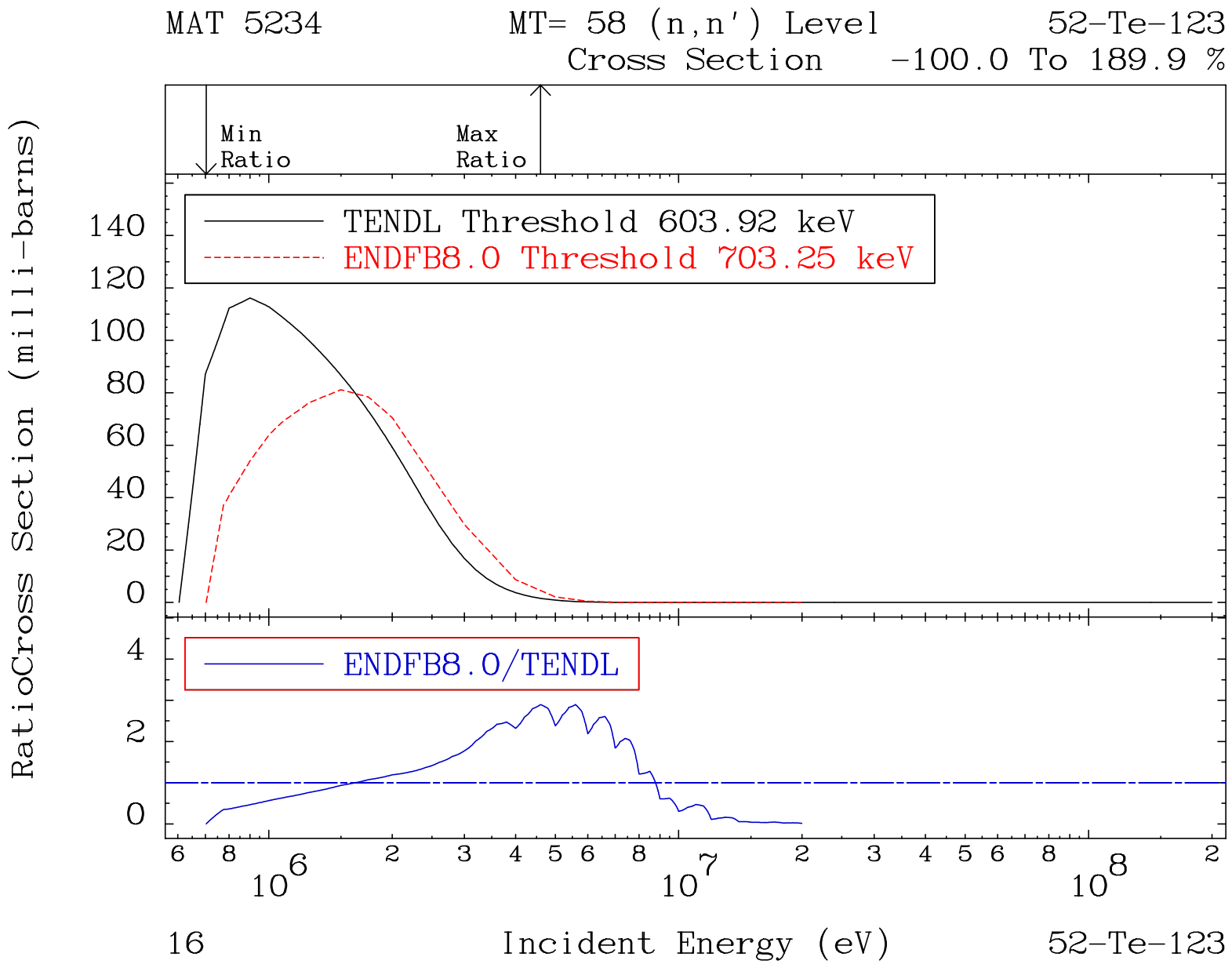

MAT 5234
MT= 53 (n,n') Level
52-Te-123
Cross Section
-100.0 To 185.4 %
Max
Ratio
TENDL Threshold 387.46 keV
ENDFB8.0 Threshold 443.61 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
4
2
0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
11
Incident Energy (eV)
52-Te-123

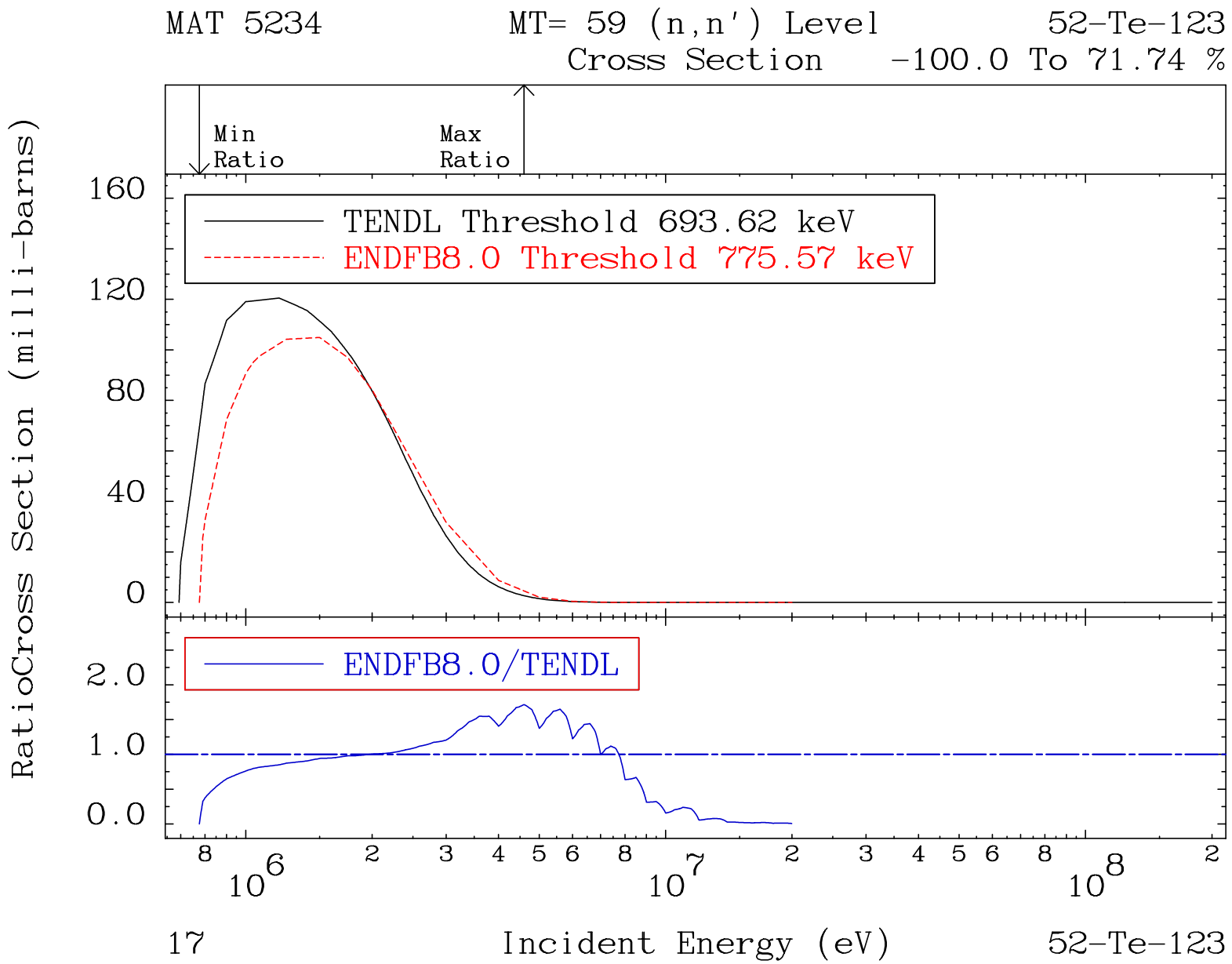

MAT 5234
MT= 54 (n,n') Level
52-Te-123
Cross Section
-100.0 To 71.31 %
Min Ratio
Max Ratio
TENDL Threshold 443.61 keV
ENDFB8.0 Threshold 493.74 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
2.0
1.0
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
12
Incident Energy (eV)
52-Te-123

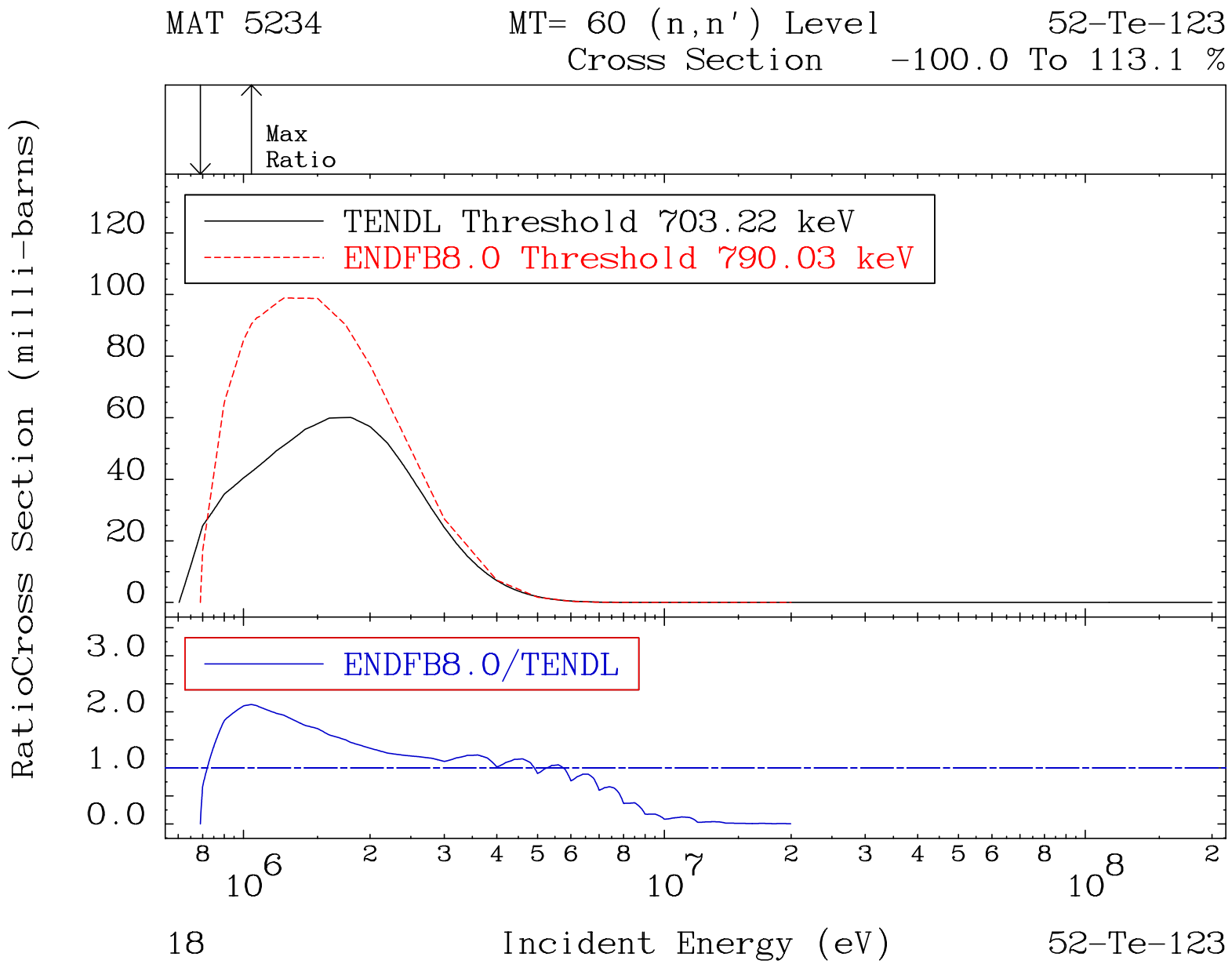

MAT 5234
MT= 55 (n,n') Level
52-Te-123
Cross Section
-100.0 To 194.2 %
Max
Ratio
TENDL Threshold 493.80 keV
ENDFB8.0 Threshold 509.49 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
4
2
0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
13
Incident Energy (eV)
52-Te-123

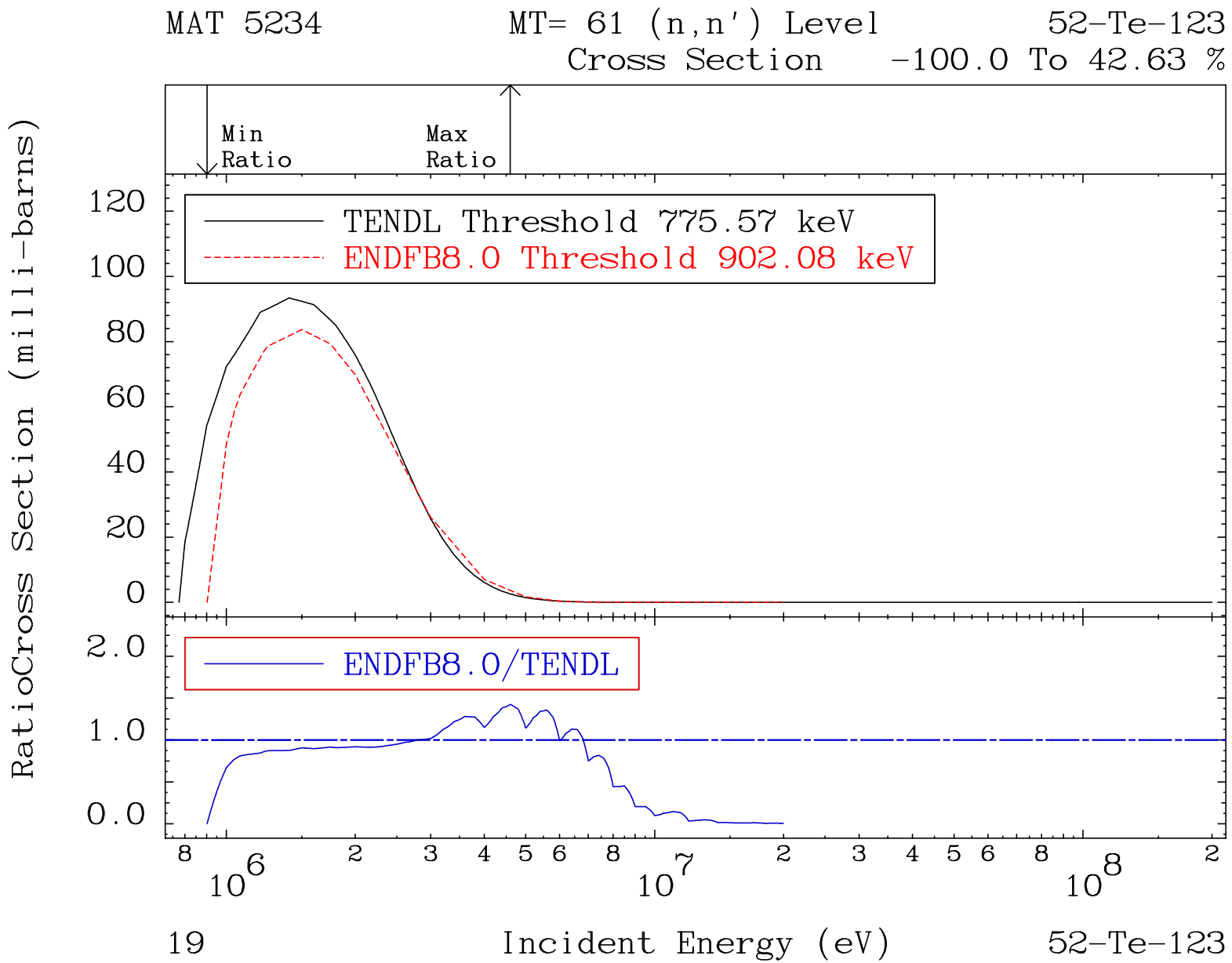

MAT 5234
MT= 56 (n,n') Level
52-Te-123
Cross Section
-100.0 To -23.85%
Max
Ratio
TENDL Threshold 509.50 keV
ENDFB8.0 Threshold 604.49 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
0.8
0.4
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
14
Incident Energy (eV)
52-Te-123

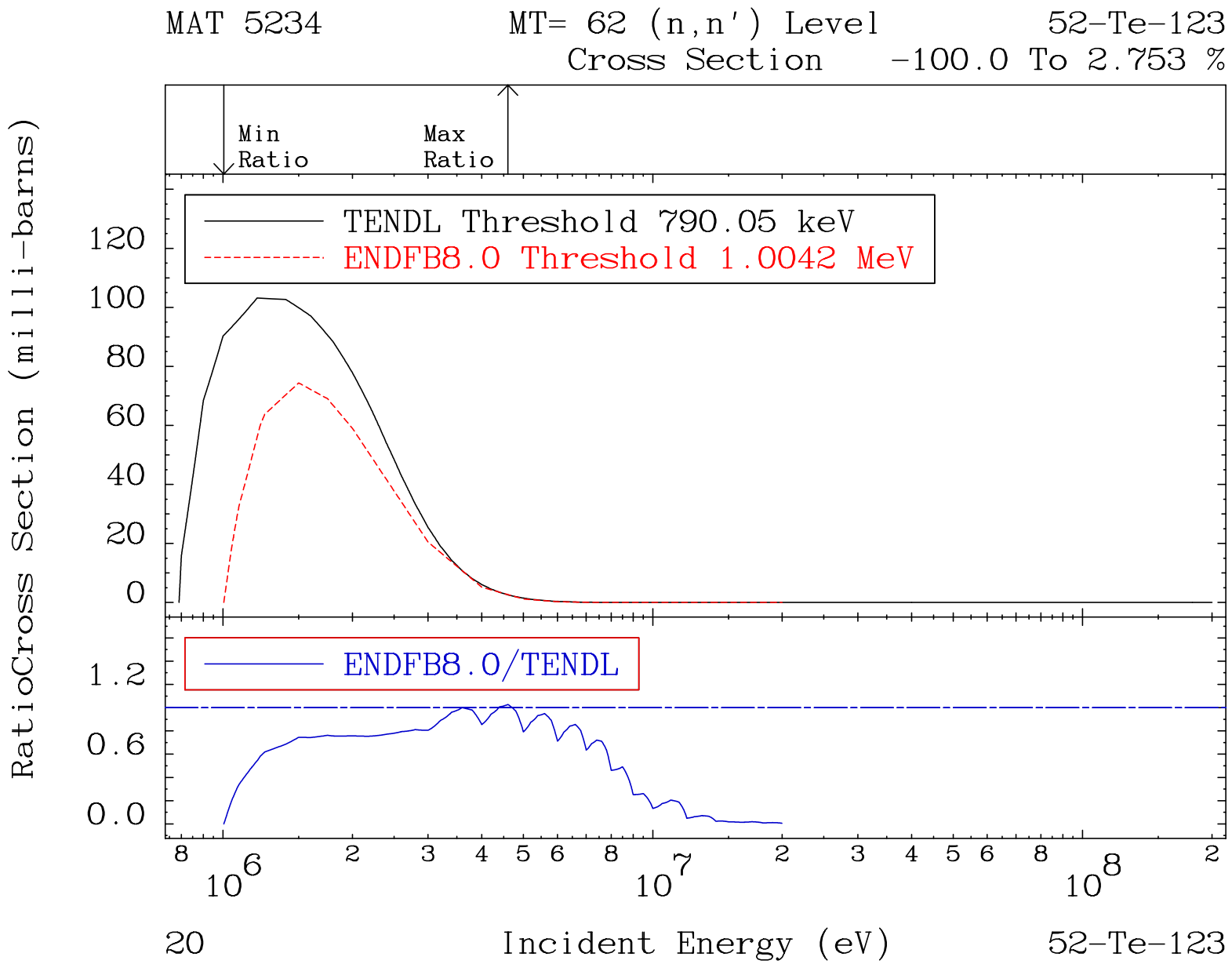

MAT 5234
MT= 57 (n,n') Level
52-Te-123
Cross Section
-100.0 To 72.83 %
Max
Ratio
TENDL Threshold 537.05 keV
ENDFB8.0 Threshold 693.60 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
2.0
1.0
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
15
52-Te-123

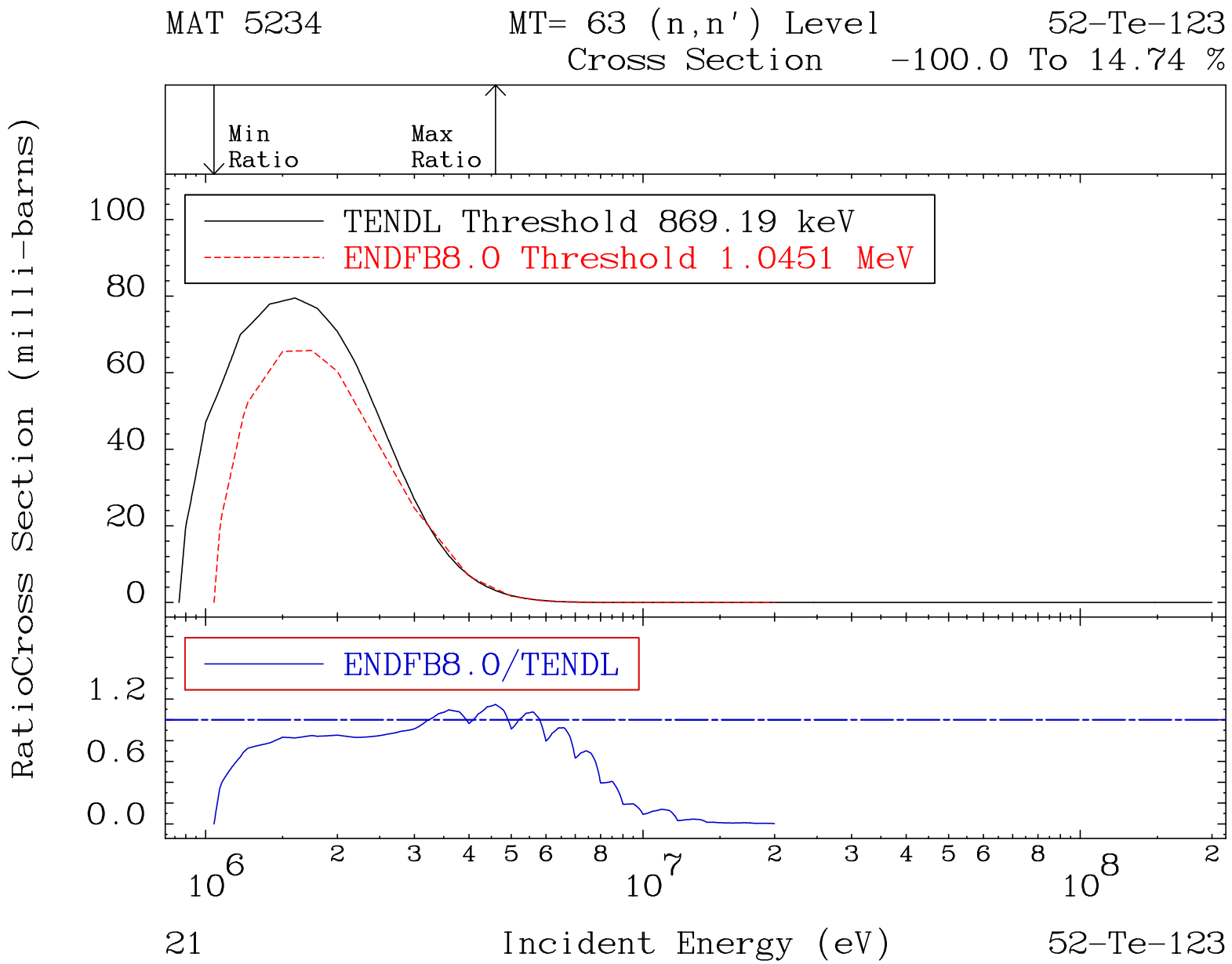

MAT 5234
MT= 58 (n,n') Level
52-Te-123
Cross Section
-100.0 To 189.9 %
Min Ratio
Max Ratio
TENDL Threshold 603.92 keV
ENDFB8.0 Threshold 703.25 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
4
2
0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
16
Incident Energy (eV)
52-Te-123

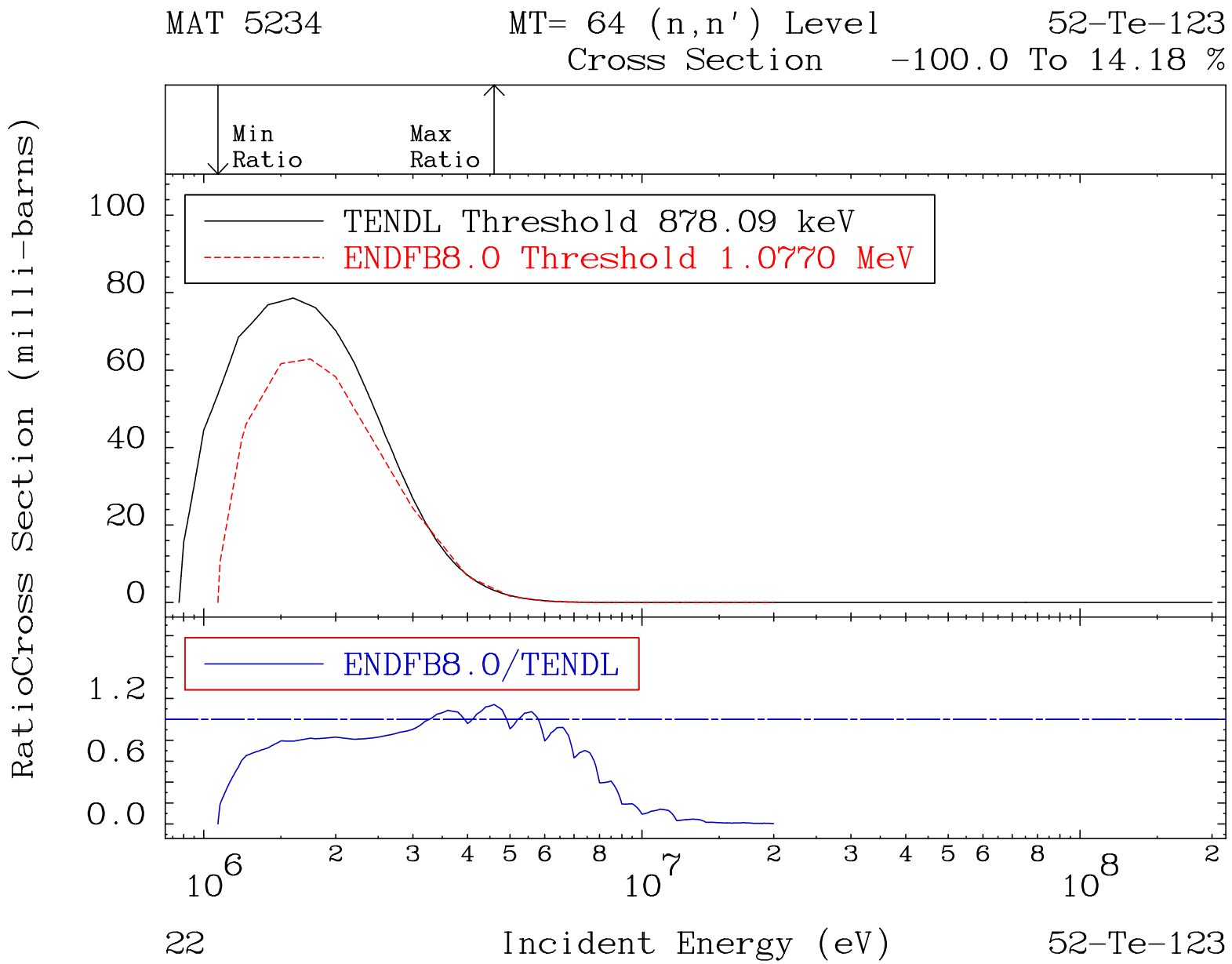

MAT 5234
MT= 59 (n,n') Level
52-Te-123
Cross Section
-100.0 To 71.74 %
Min Ratio
Max Ratio
TENDL Threshold 693.62 keV
ENDFB8.0 Threshold 775.57 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2.0
1.0
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
17
Incident Energy (eV)
52-Te-123

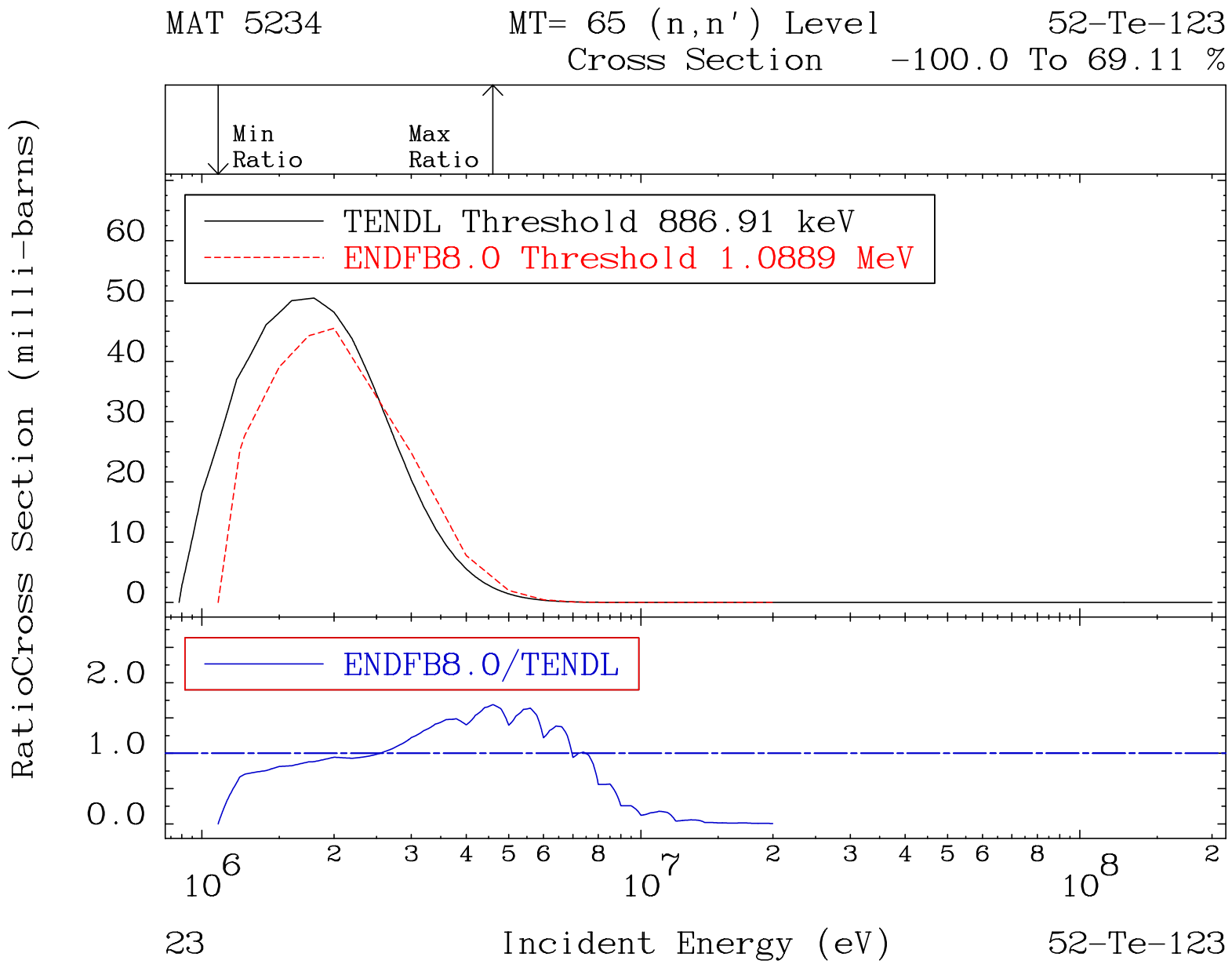

MAT 5234
MT= 60 (n,n') Level
52-Te-123
Cross Section
-100.0 To 113.1 %
Max
Ratio
TENDL Threshold 703.22 keV
ENDFB8.0 Threshold 790.03 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
3.0
2.0
1.0
0.0
8
2
3
4
5
6
8
2
3
4
5
6
8
2
10^6
10^7
10^8
18
Incident Energy (eV)
52-Te-123

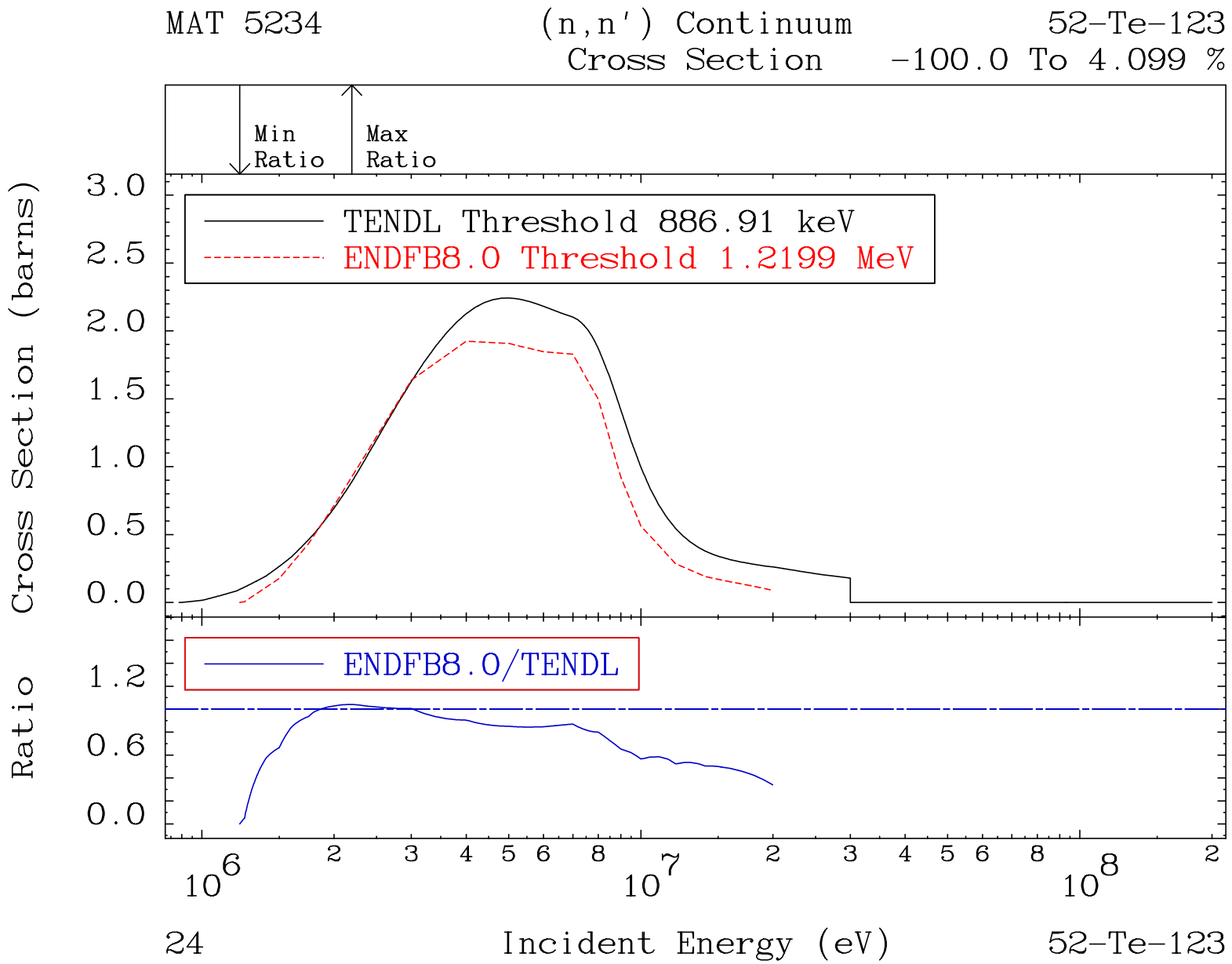

MAT 5234
MT= 61 (n,n') Level
52-Te-123
Cross Section
-100.0 To 42.63 %
Min Ratio
Max Ratio
TENDL Threshold 775.57 keV
ENDFB8.0 Threshold 902.08 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
2.0
1.0
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
19
Incident Energy (eV)
52-Te-123

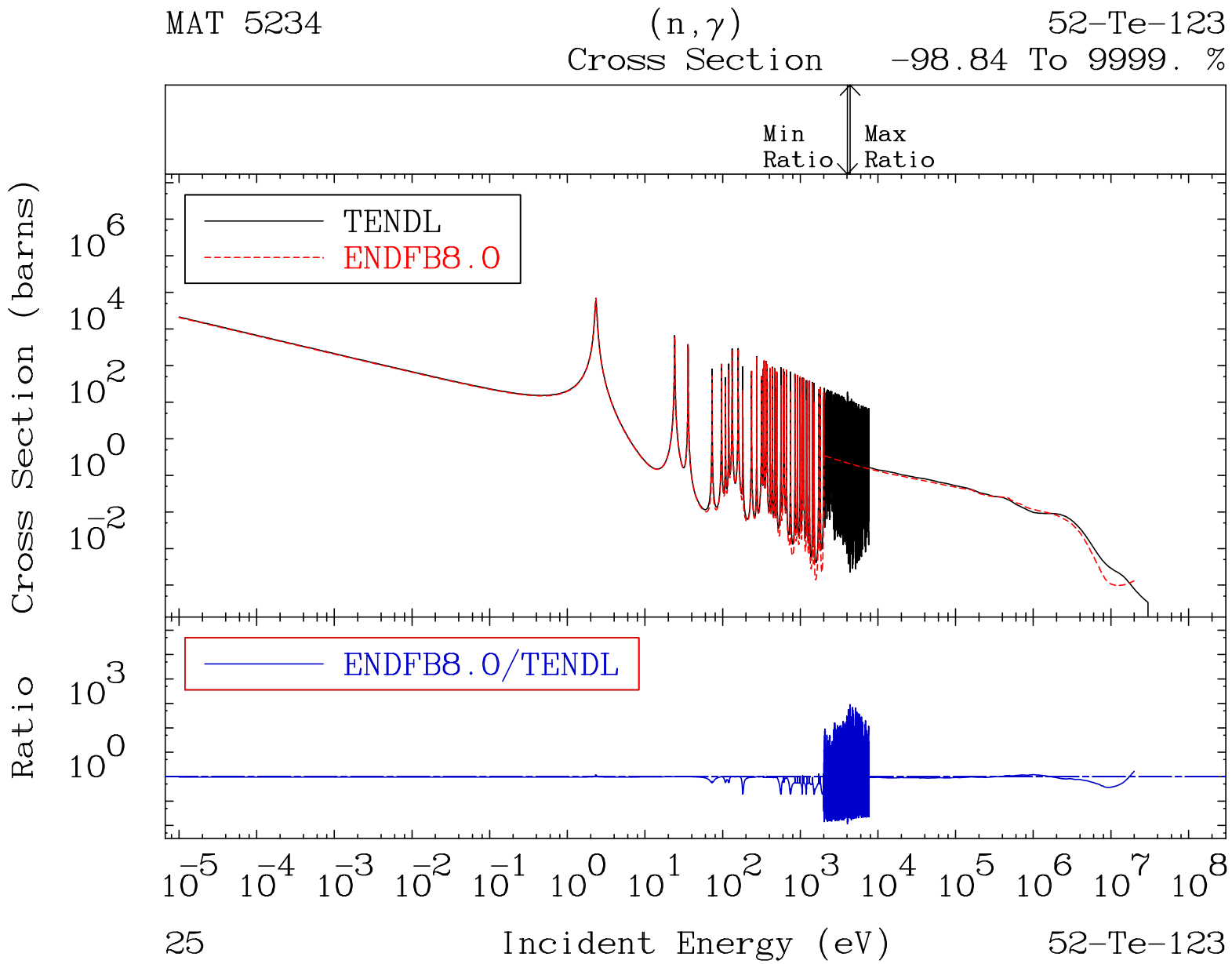

MAT 5234
MT= 62 (n,n') Level
52-Te-123
Cross Section
-100.0 To 2.753 %
Min Ratio
Max Ratio
TENDL Threshold 790.05 keV
ENDFB8.0 Threshold 1.0042 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.2
0.6
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
20
Incident Energy (eV)
52-Te-123

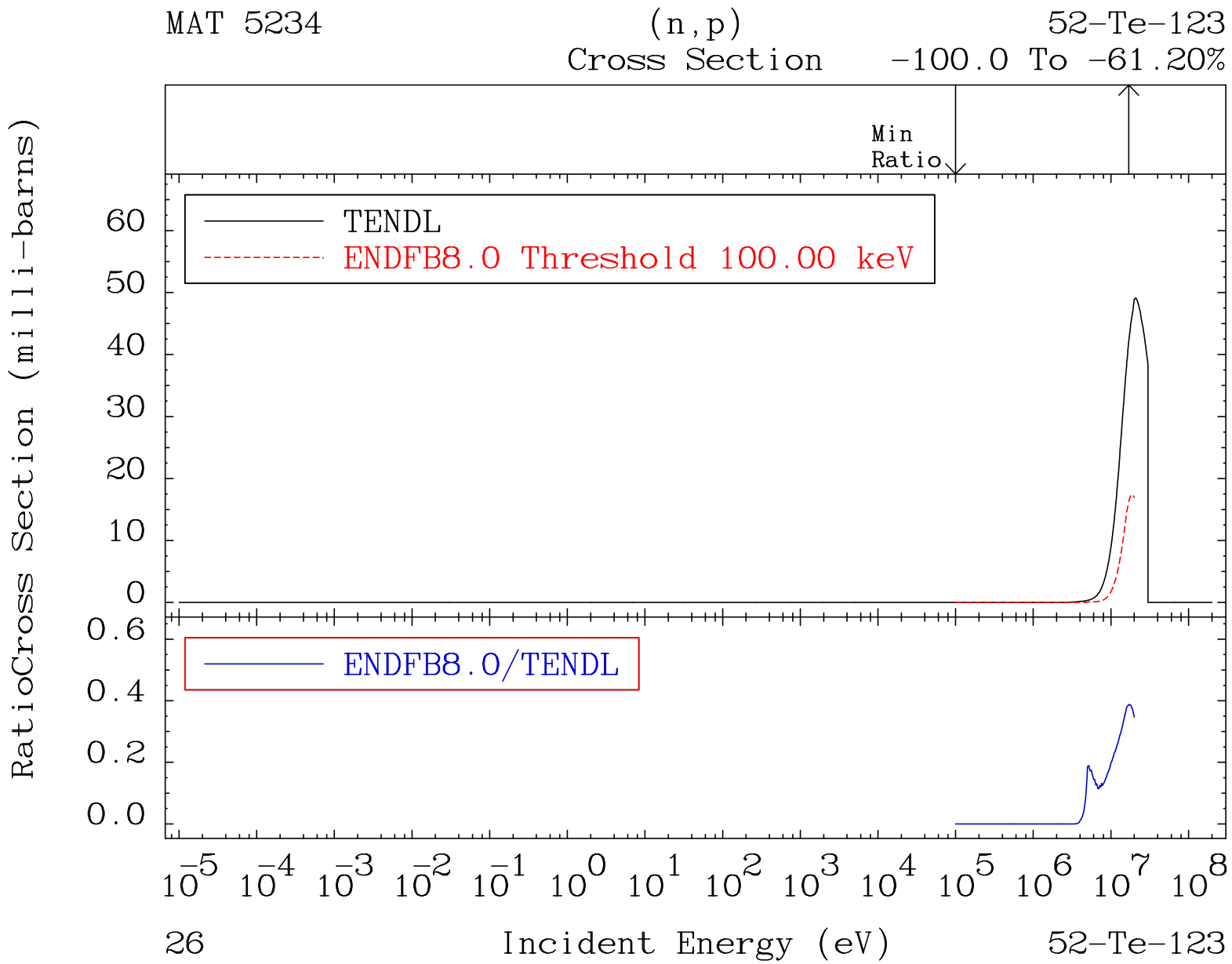

MAT 5234
MT= 63 (n,n') Level
52-Te-123
Cross Section
-100.0 To 14.74 %
Min Ratio
Max Ratio
TENDL Threshold 869.19 keV
ENDFB8.0 Threshold 1.0451 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.6
0.0
10^6
10^7
10^8
2
3
4
5
6
8
21
Incident Energy (eV)
52-Te-123

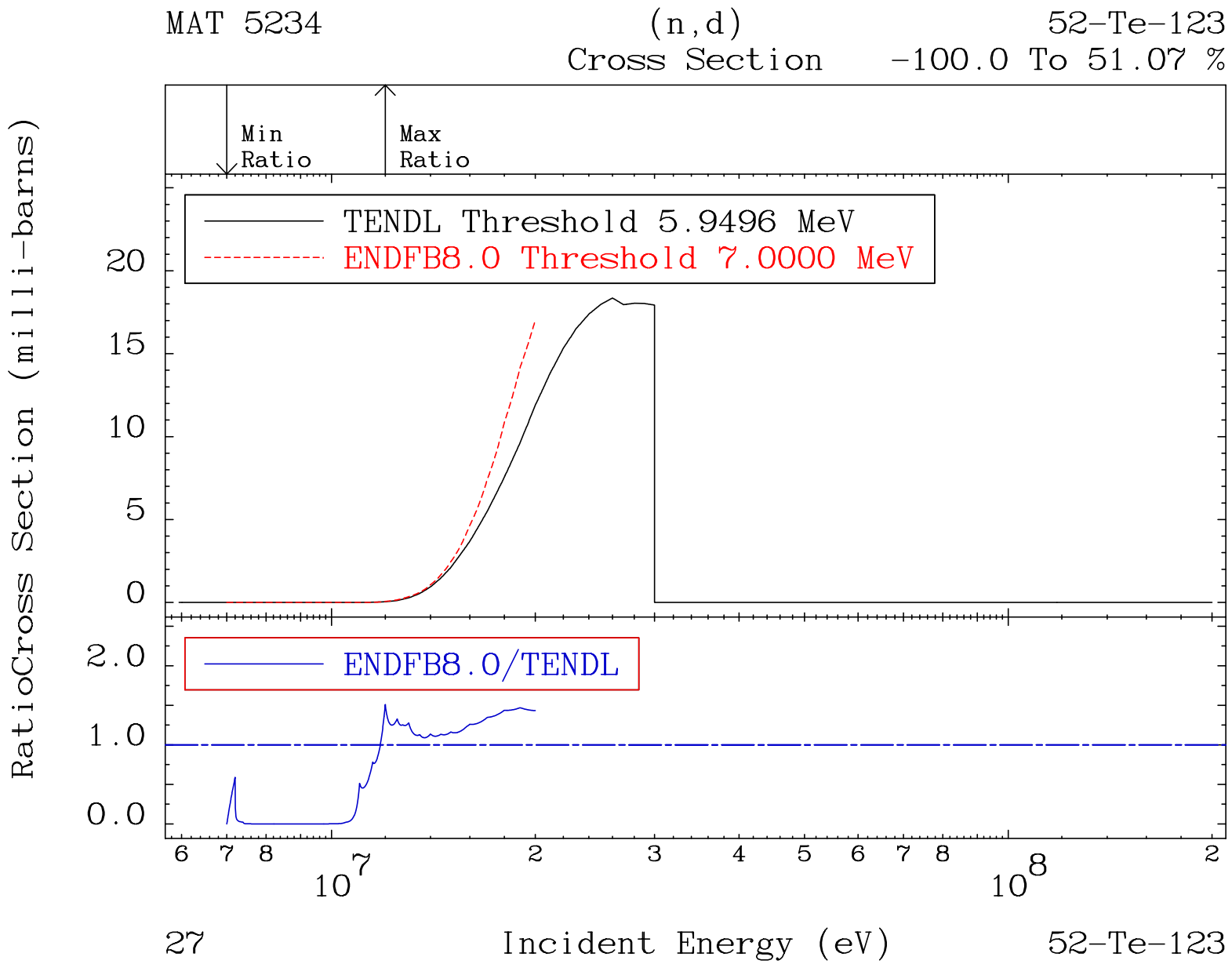

MAT 5234
MT= 64 (n,n') Level
52-Te-123
Cross Section
-100.0 To 14.18 %
Min Ratio
Max Ratio
TENDL Threshold 878.09 keV
ENDFB8.0 Threshold 1.0770 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.6
0.0
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
22
Incident Energy (eV)
52-Te-123

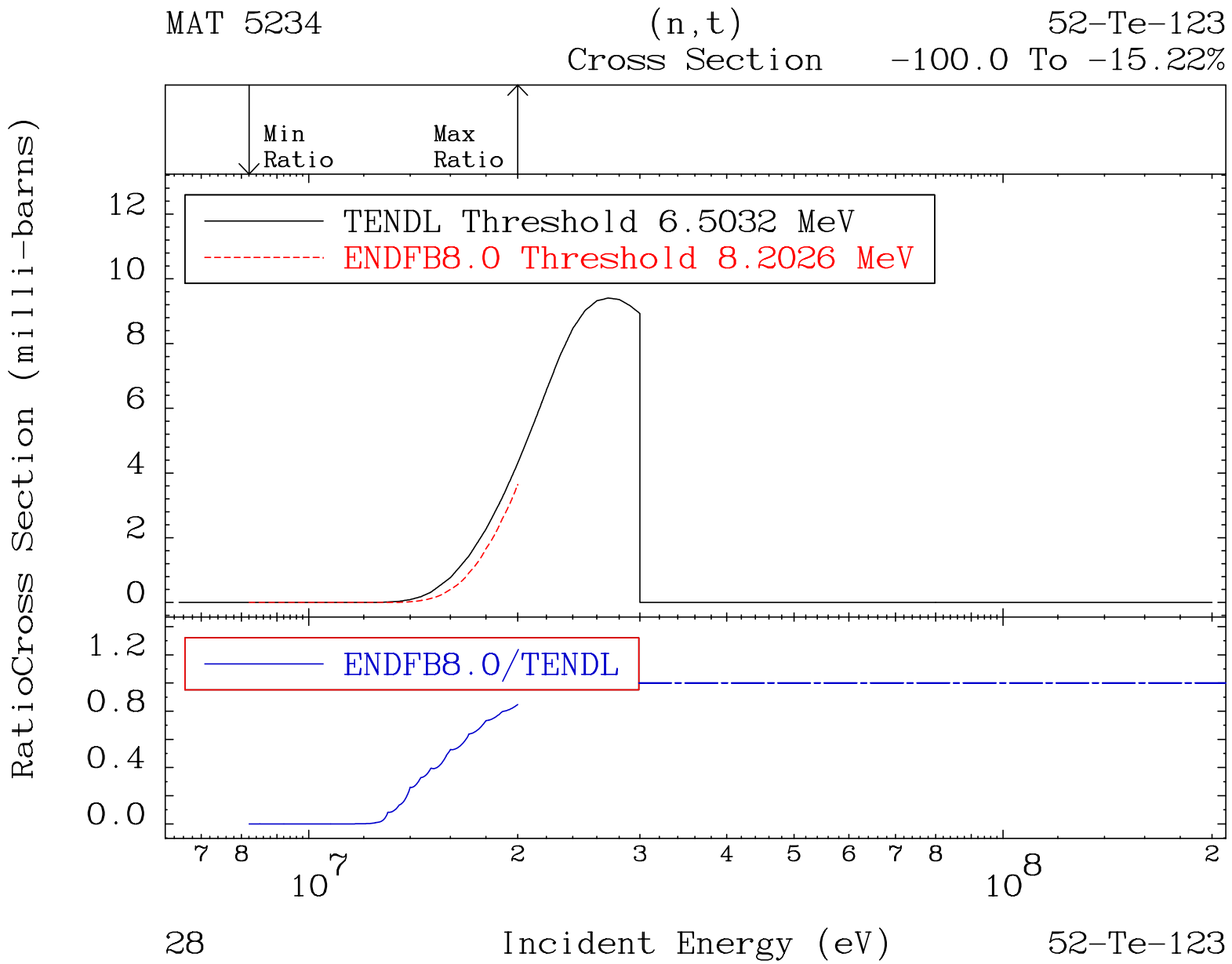

MAT 5234
MT= 65 (n,n') Level
52-Te-123
Cross Section
-100.0 To 69.11 %
Min Ratio
Max Ratio
TENDL Threshold 886.91 keV
ENDFB8.0 Threshold 1.0889 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
2.0
1.0
0.0
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
23
Incident Energy (eV)
52-Te-123

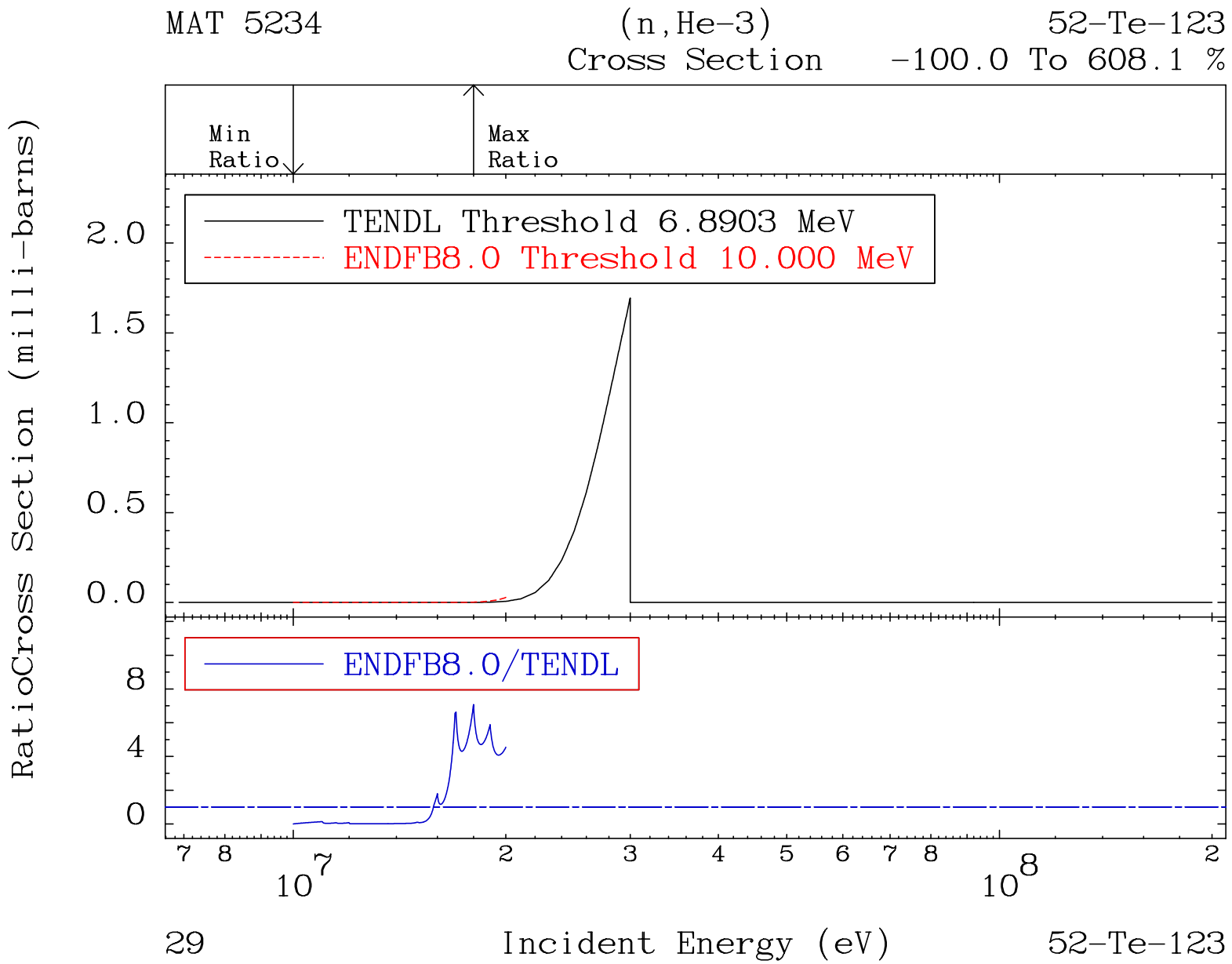

MAT 5234
(n,n') Continuum
Cross Section
52-Te-123
-100.0 To 4.099 %
Min Ratio
Max Ratio
TENDL Threshold 886.91 keV
ENDFB8.0 Threshold 1.2199 MeV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.2
0.6
0.0
10^6
10^7
10^8
Incident Energy (eV)
24
52-Te-123

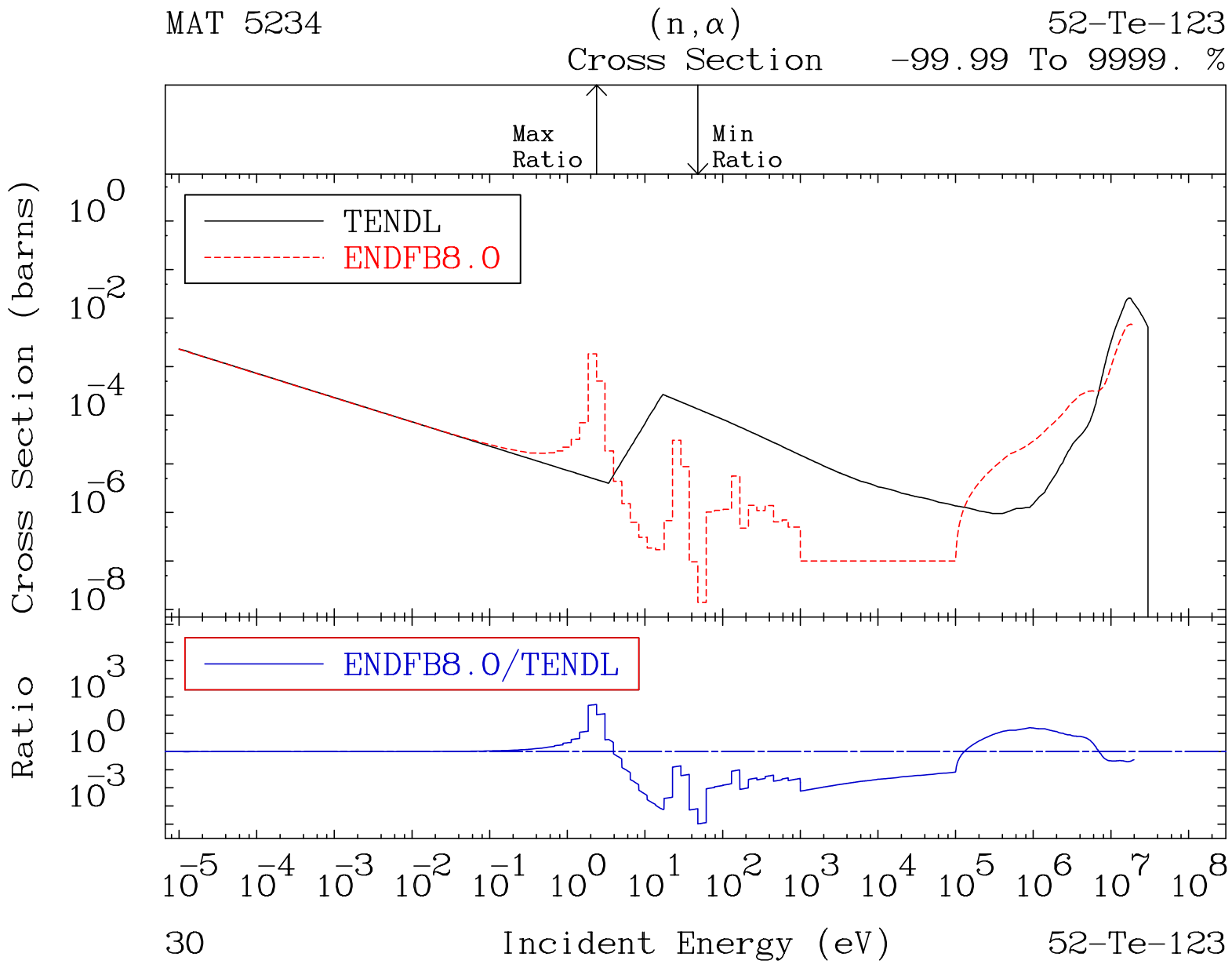

MAT 5234
(n,γ)
Cross Section
52-Te-123
-98.84 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
25
52-Te-123

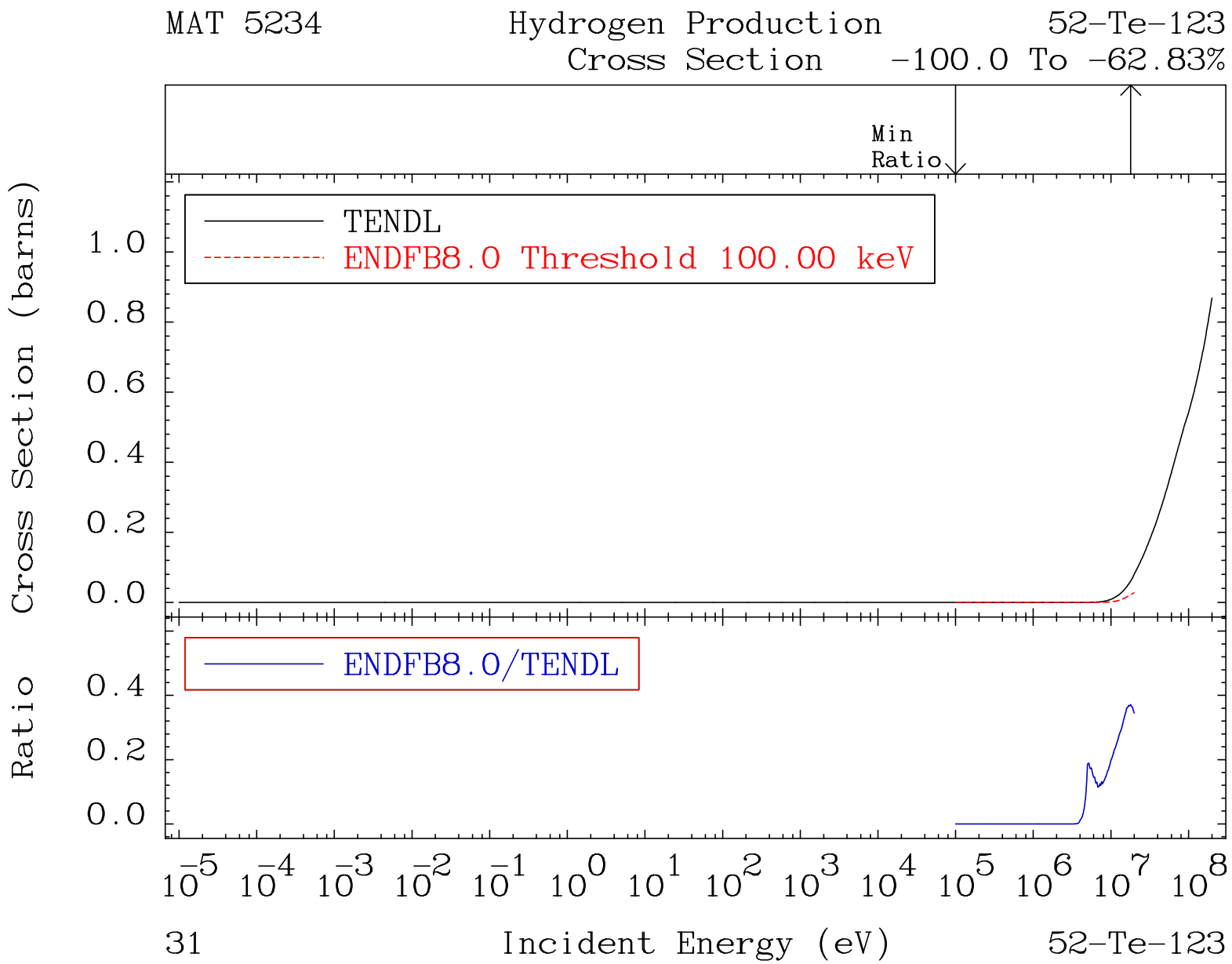

MAT 5234
(n,p)
Cross Section
52-Te-123
-100.0 To -61.20%
Min
Ratio
TENDL
ENDFB8.0 Threshold 100.00 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
0.6
0.4
0.2
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
26
Incident Energy (eV)
52-Te-123

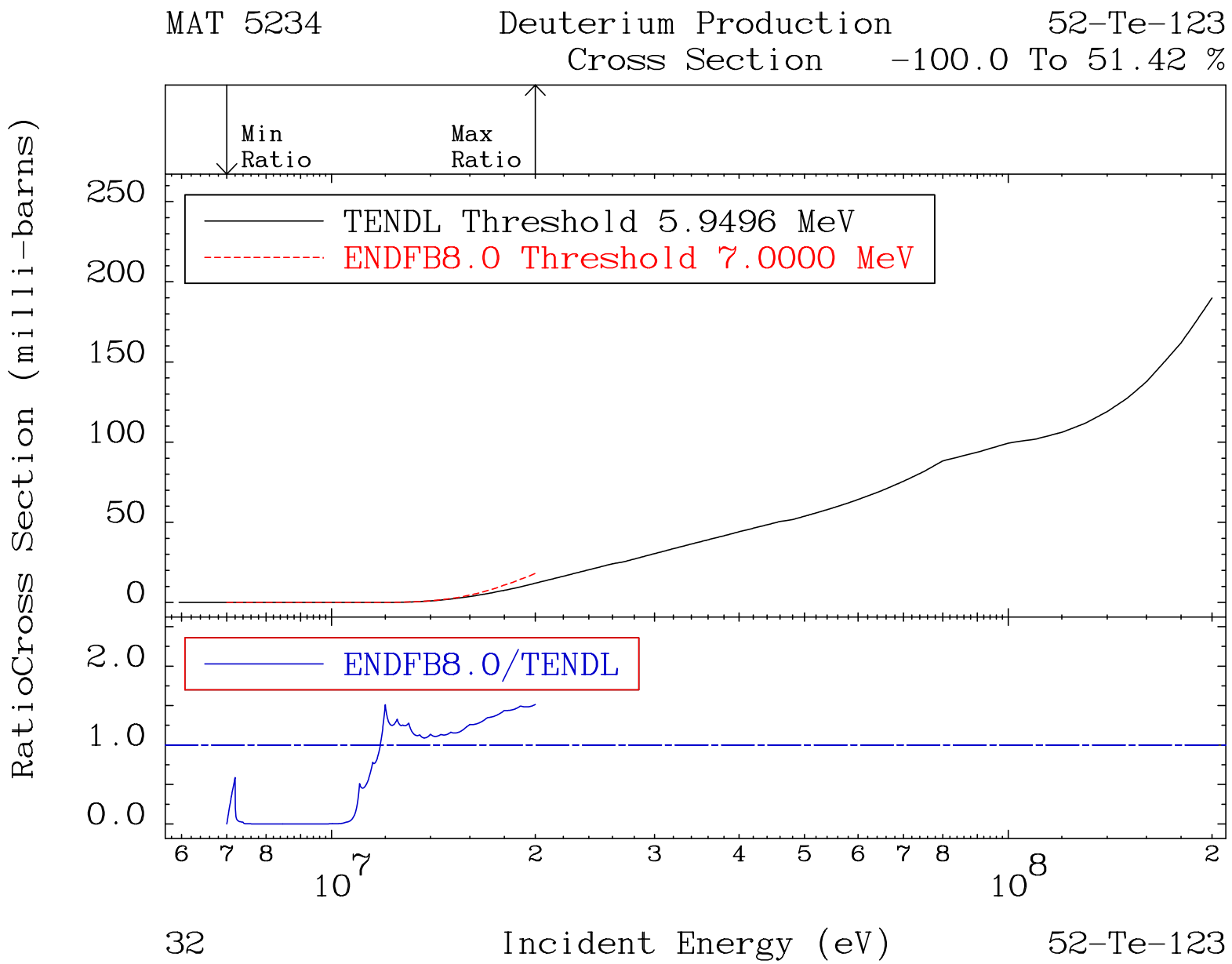

MAT 5234
(n,d)
Cross Section
52-Te-123
-100.0 To 51.07 %
Min Ratio
Max Ratio
TENDL Threshold 5.9496 MeV
ENDFB8.0 Threshold 7.0000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
2.0
1.0
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
27
Incident Energy (eV)
52-Te-123

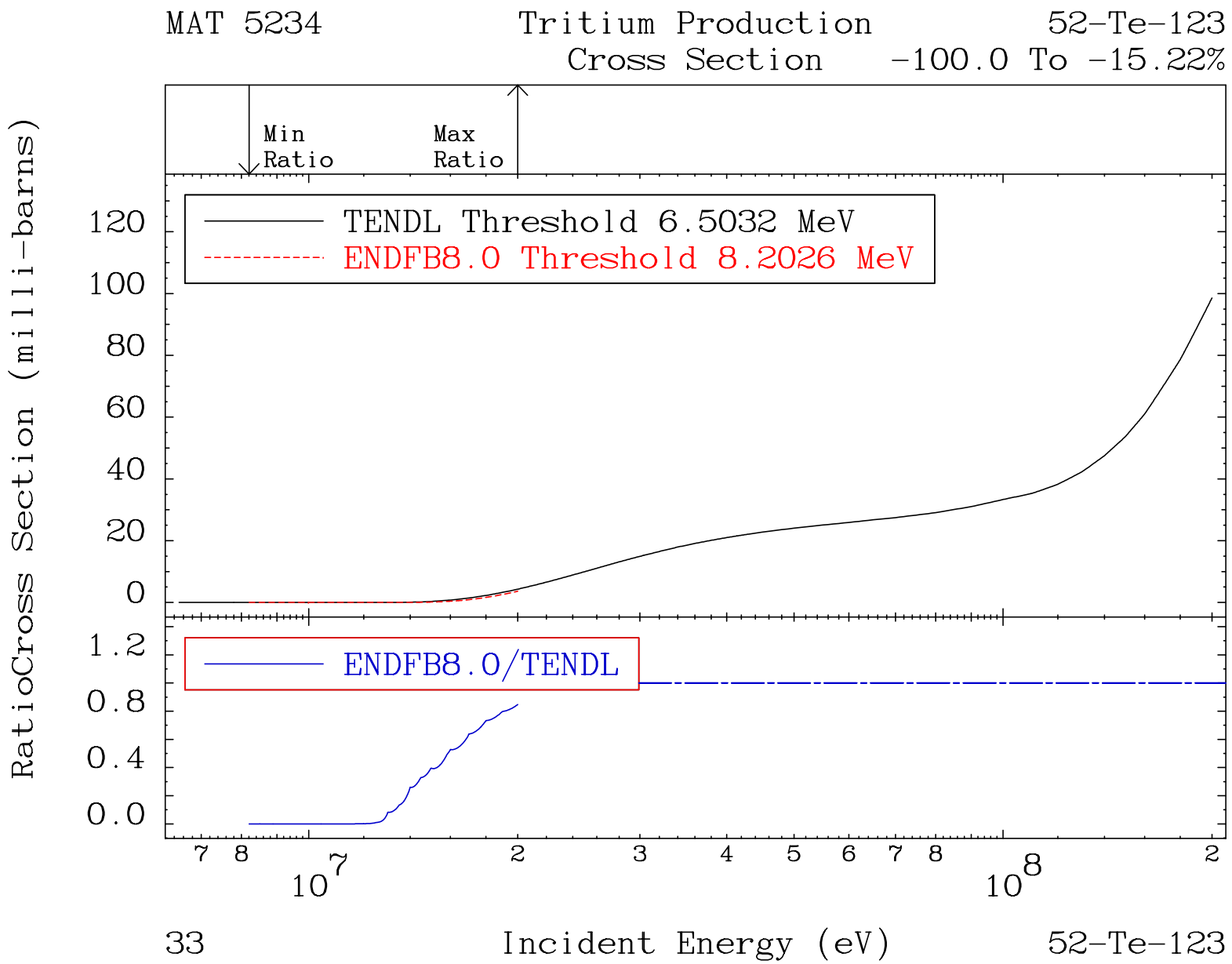

MAT 5234
(n,t)
52-Te-123
Cross Section
-100.0 To -15.22%
Min Ratio
Max Ratio
TENDL Threshold 6.5032 MeV
ENDFB8.0 Threshold 8.2026 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
1.2
0.8
0.4
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
52-Te-123

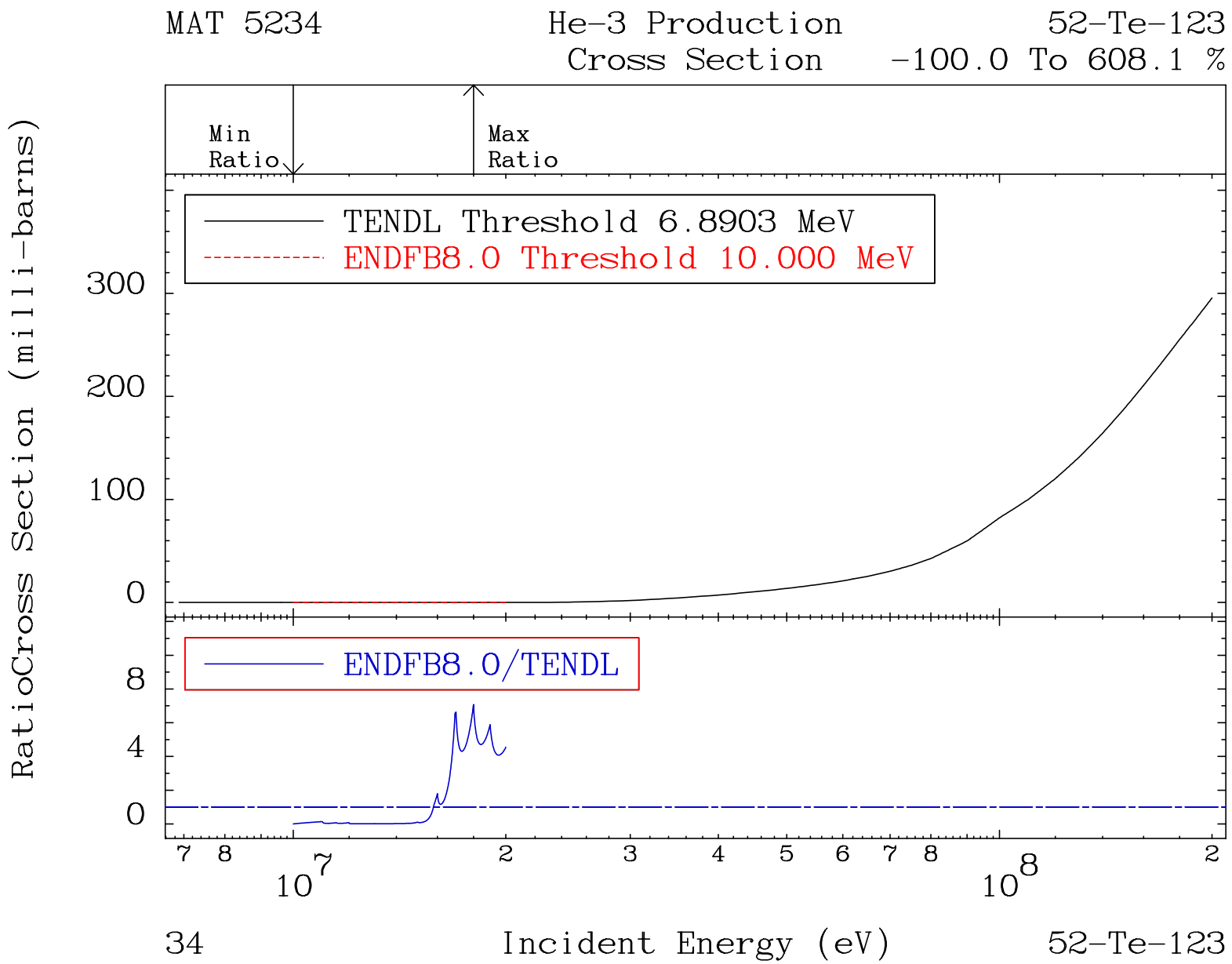

MAT 5234
(n,He-3)
Cross Section
52-Te-123
-100.0 To 608.1 %
Min Ratio
Max Ratio
TENDL Threshold 6.8903 MeV
ENDFB8.0 Threshold 10.000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
8
4
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
29
Incident Energy (eV)
52-Te-123

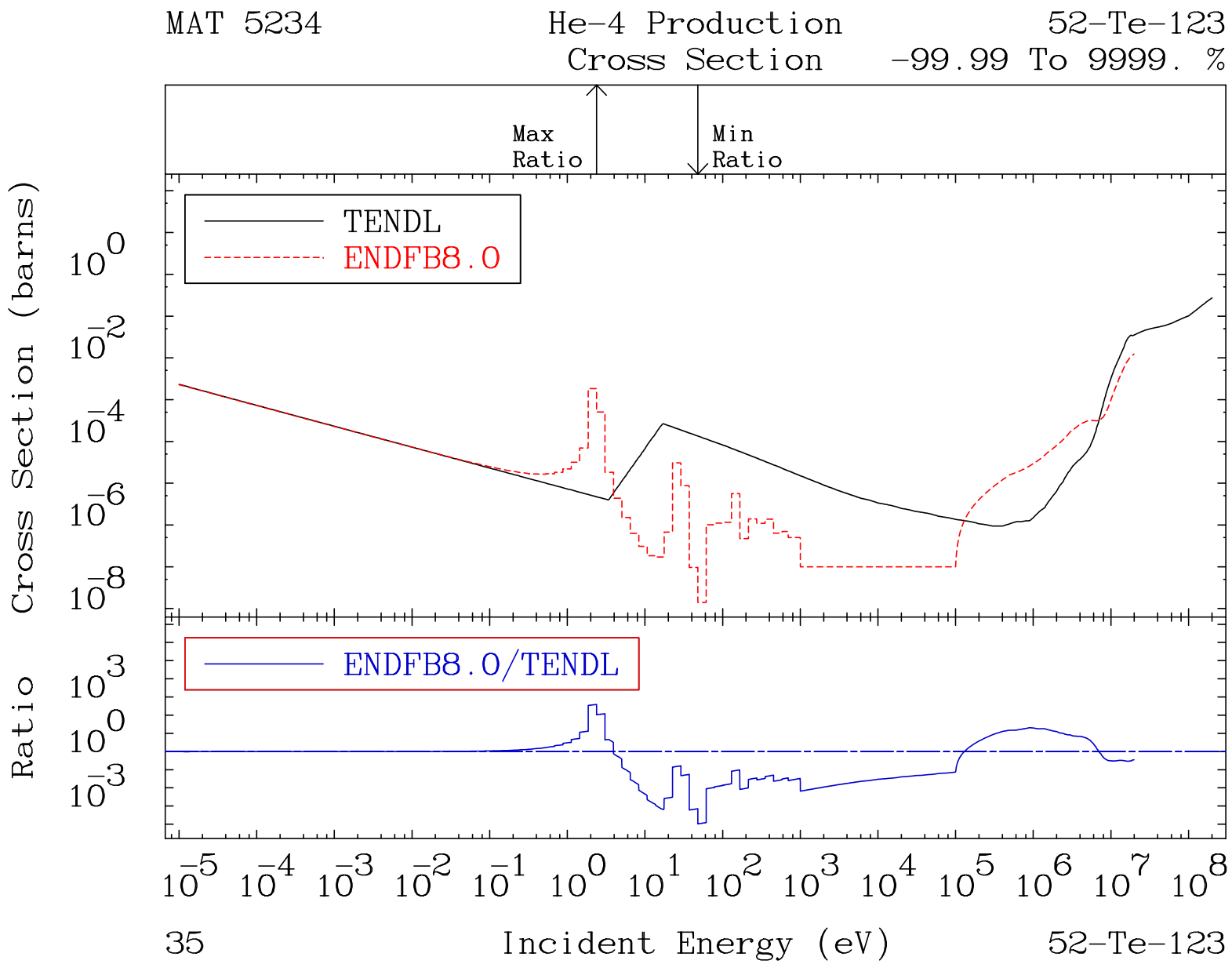

MAT 5234
(n,α)
52-Te-123
Cross Section
-99.99 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
30
52-Te-123

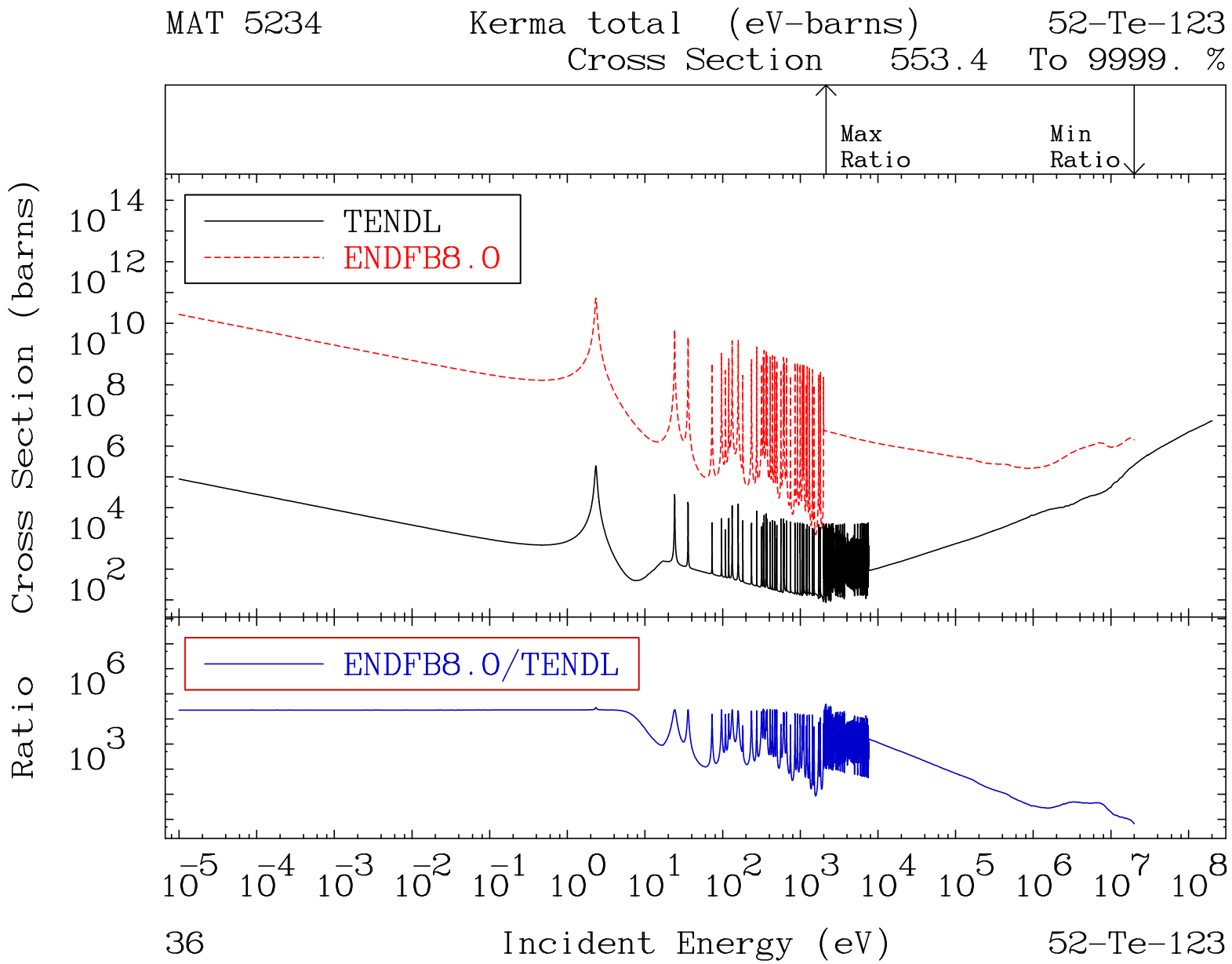

MAT 5234
Hydrogen Production
52-Te-123
Cross Section
-100.0 To -62.83%
Min
Ratio
TENDL
ENDFB8.0 Threshold 100.00 keV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
0.4
0.2
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
31
Incident Energy (eV)
52-Te-123

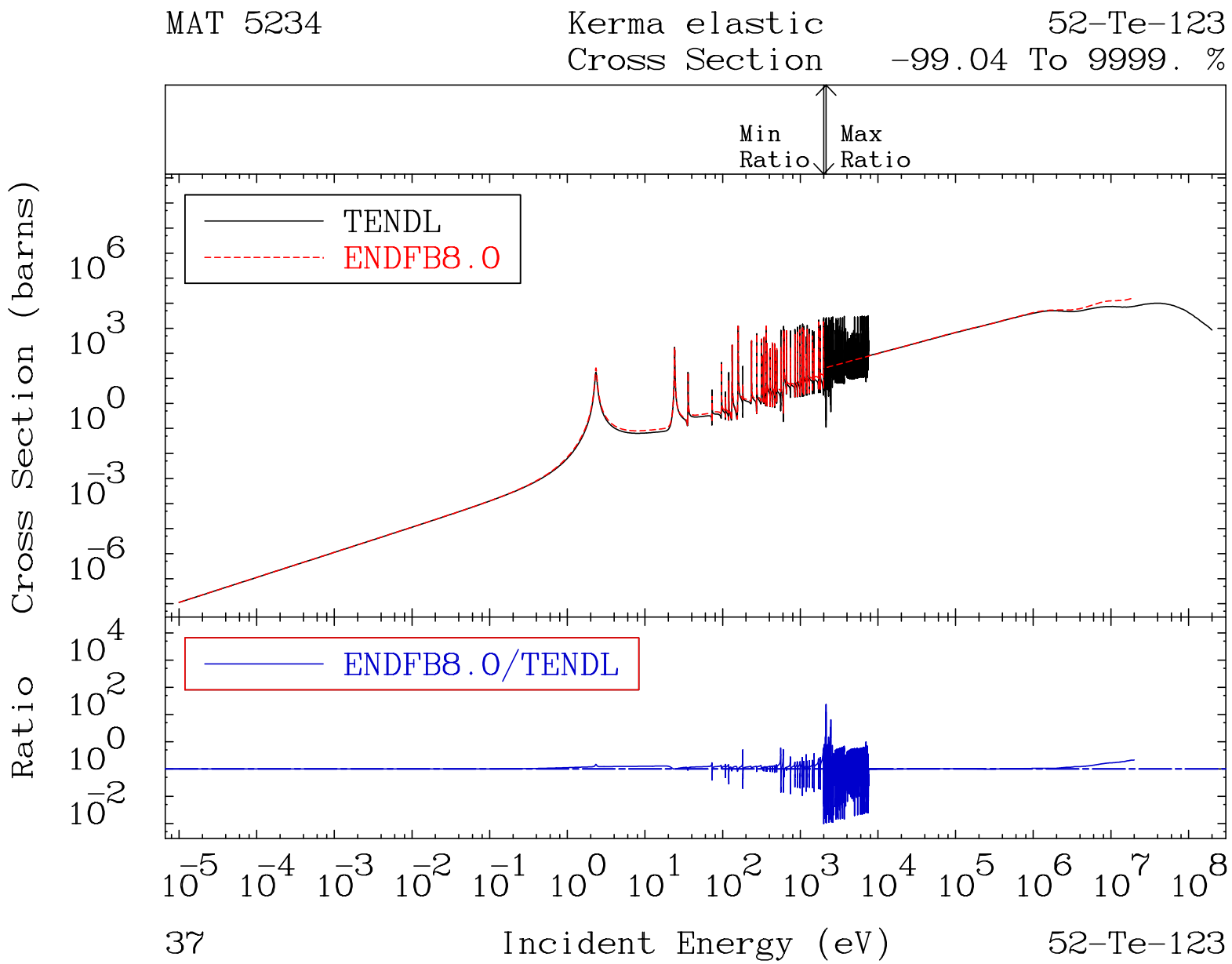

MAT 5234
Deuterium Production
52-Te-123
Cross Section
-100.0 To 51.42 %
Min Ratio
Max Ratio
TENDL Threshold 5.9496 MeV
ENDFB8.0 Threshold 7.0000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
2.0
1.0
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
52-Te-123

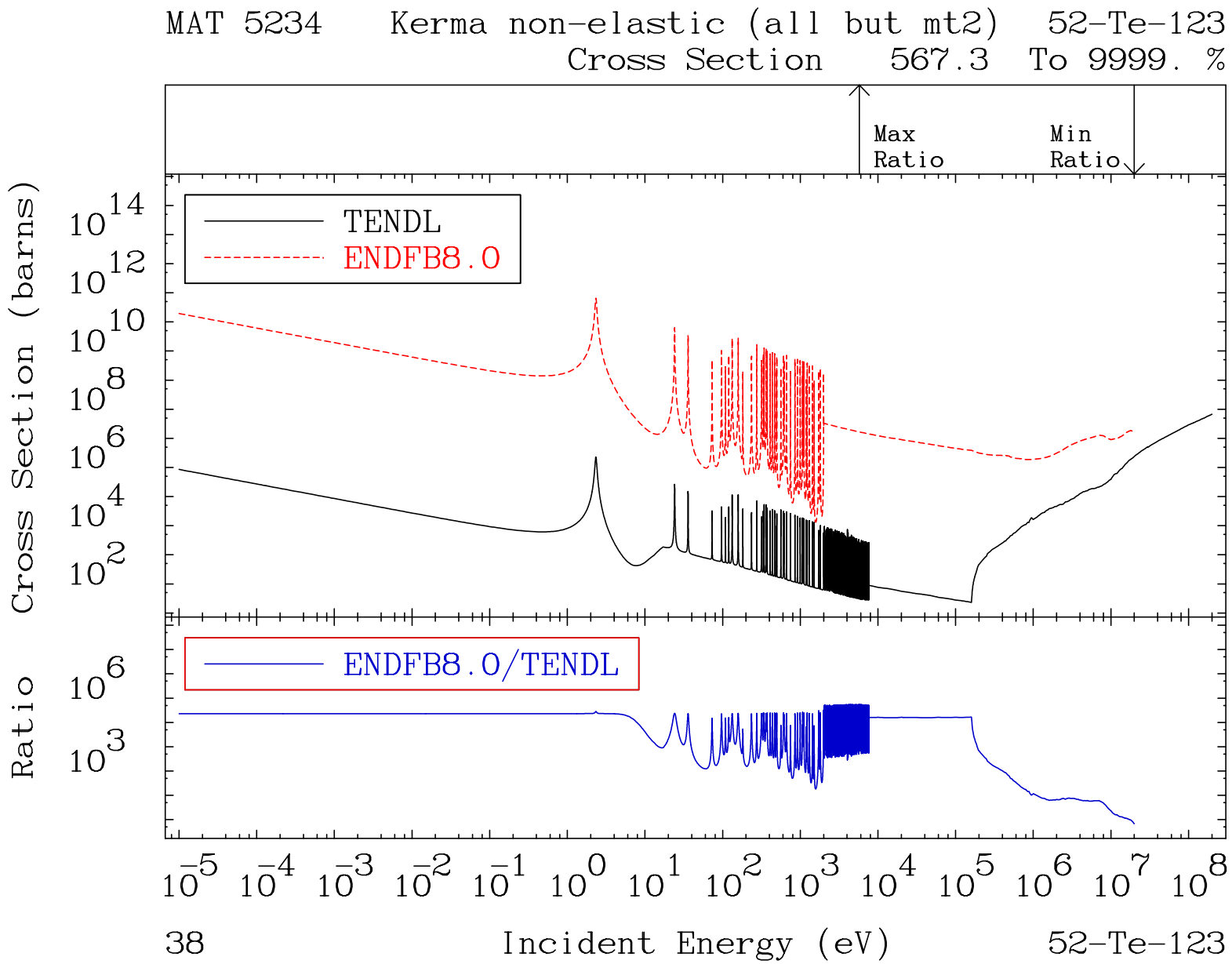

MAT 5234
Tritium Production
52-Te-123
Cross Section
-100.0 To -15.22%
Min Ratio
Max Ratio
TENDL Threshold 6.5032 MeV
ENDFB8.0 Threshold 8.2026 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.2
0.8
0.4
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
33
Incident Energy (eV)
52-Te-123

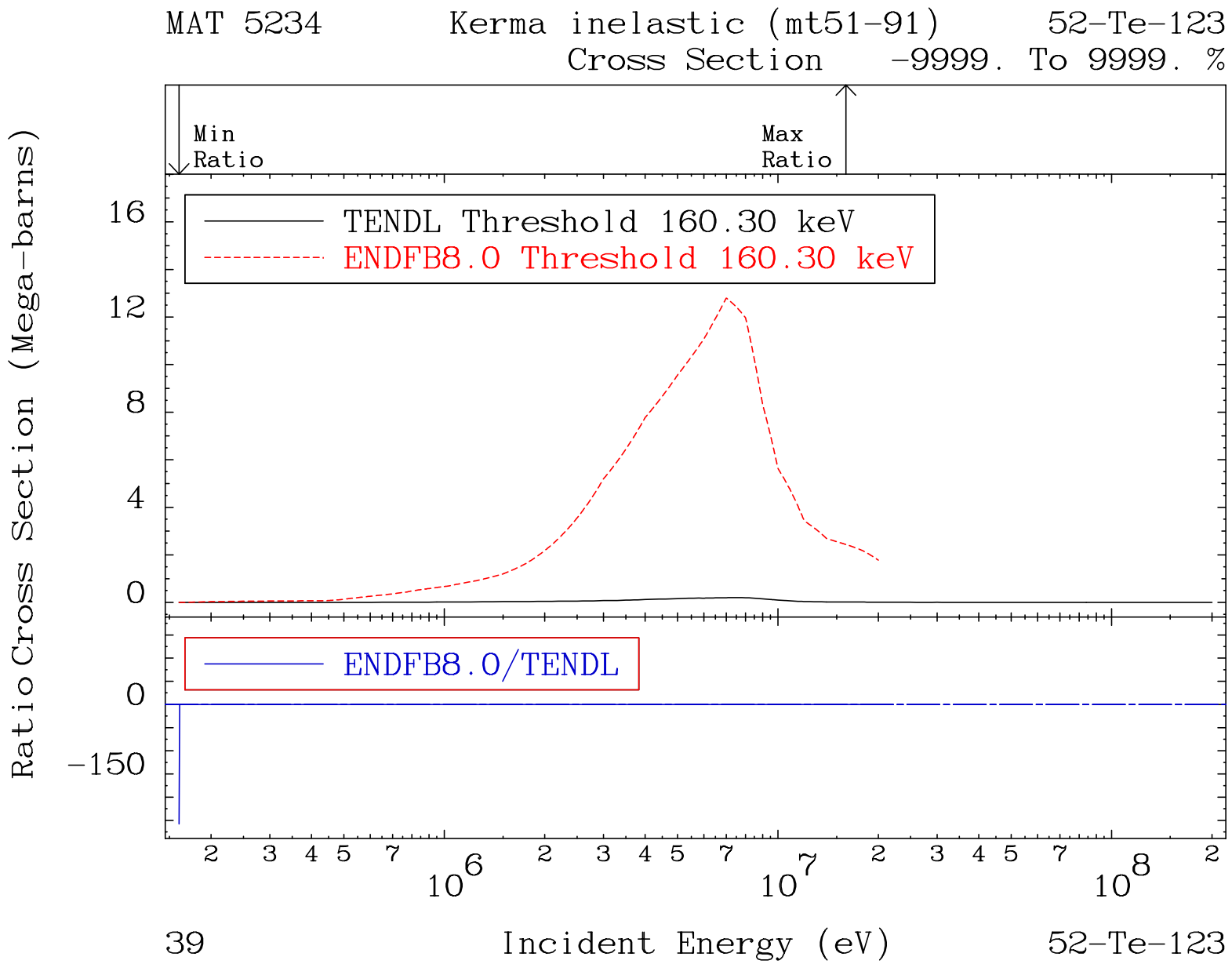

MAT 5234
He-3 Production
Cross Section
52-Te-123
-100.0 To 608.1 %
Min Ratio
Max Ratio
TENDL Threshold 6.8903 MeV
ENDFB8.0 Threshold 10.000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
300
200
100
0
8
4
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
34
Incident Energy (eV)
52-Te-123

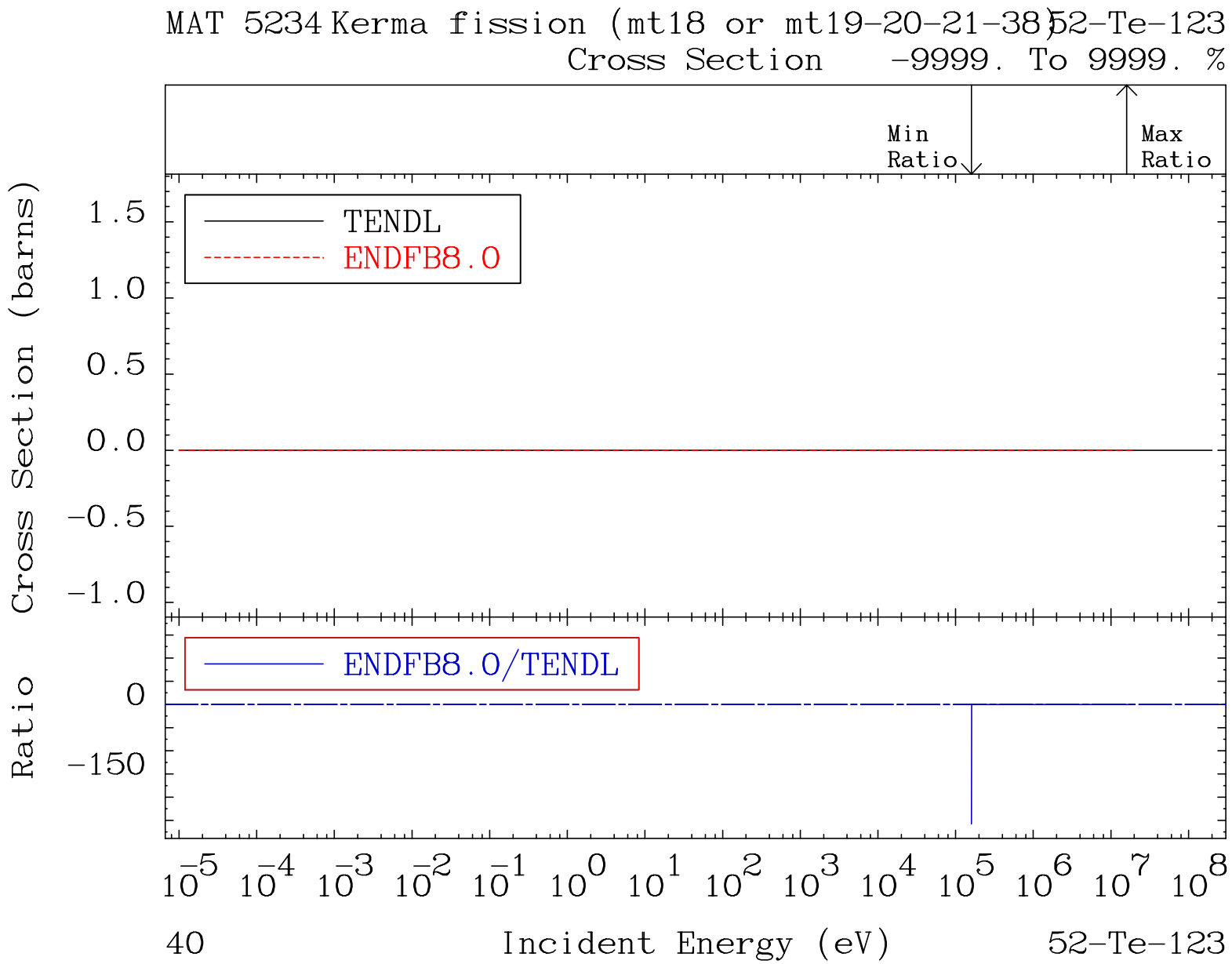

MAT 5234
He-4 Production
Cross Section
52-Te-123
-99.99 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
35
52-Te-123

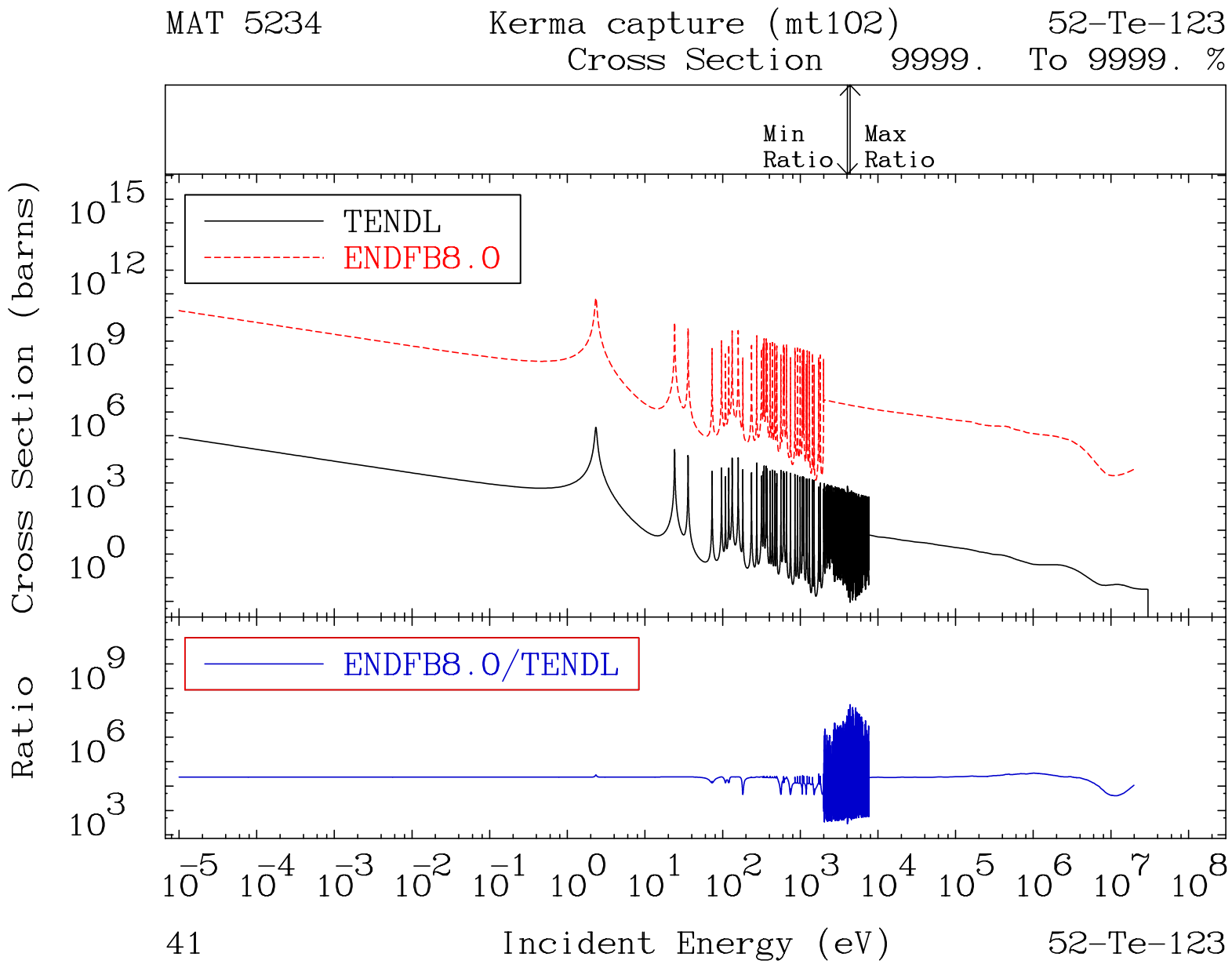

MAT 5234
Kerma total (eV-barns)
52-Te-123
Cross Section 553.4 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
36
52-Te-123

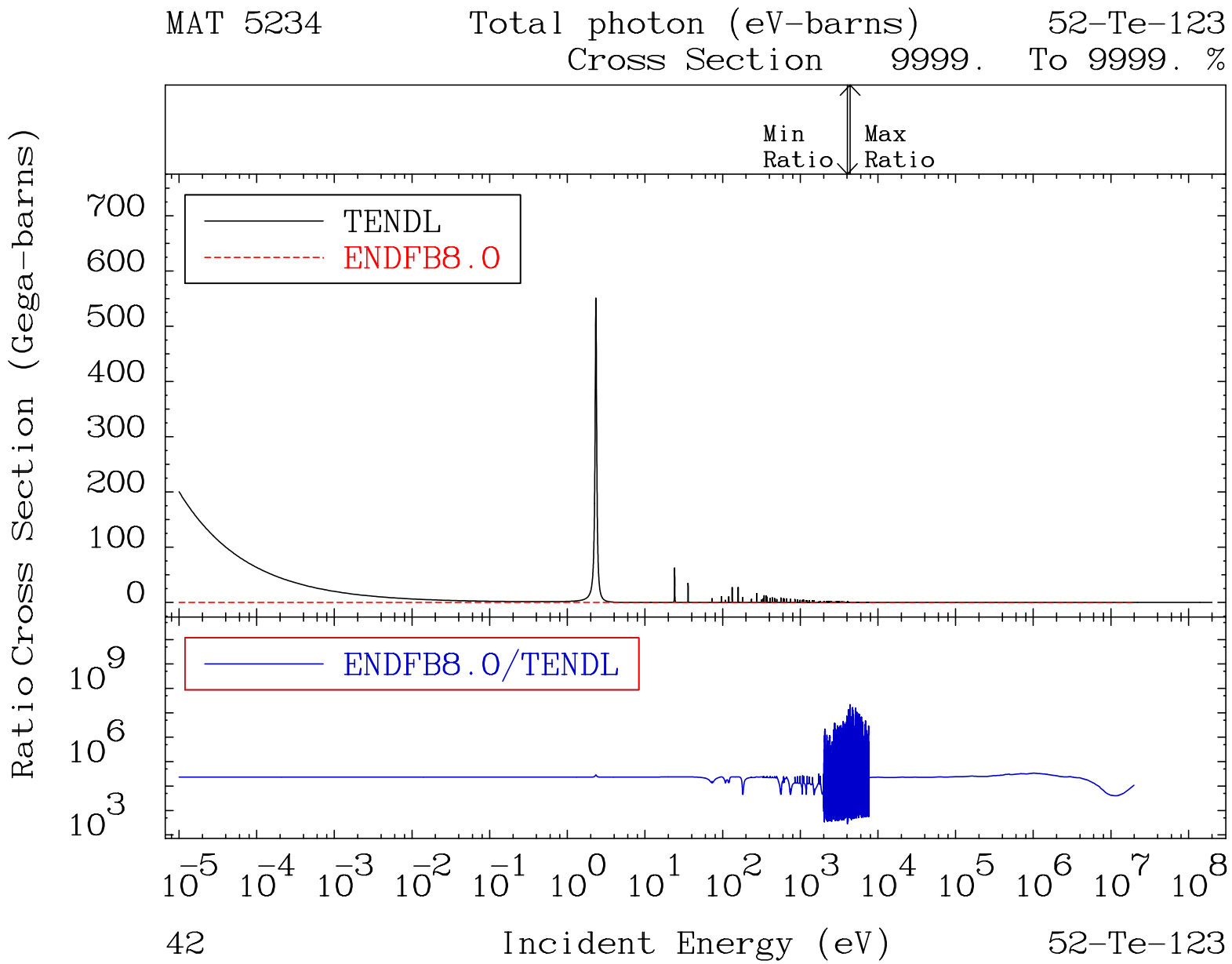

MAT 5234
Kerma elastic
Cross Section
52-Te-123
-99.04 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
37
52-Te-123

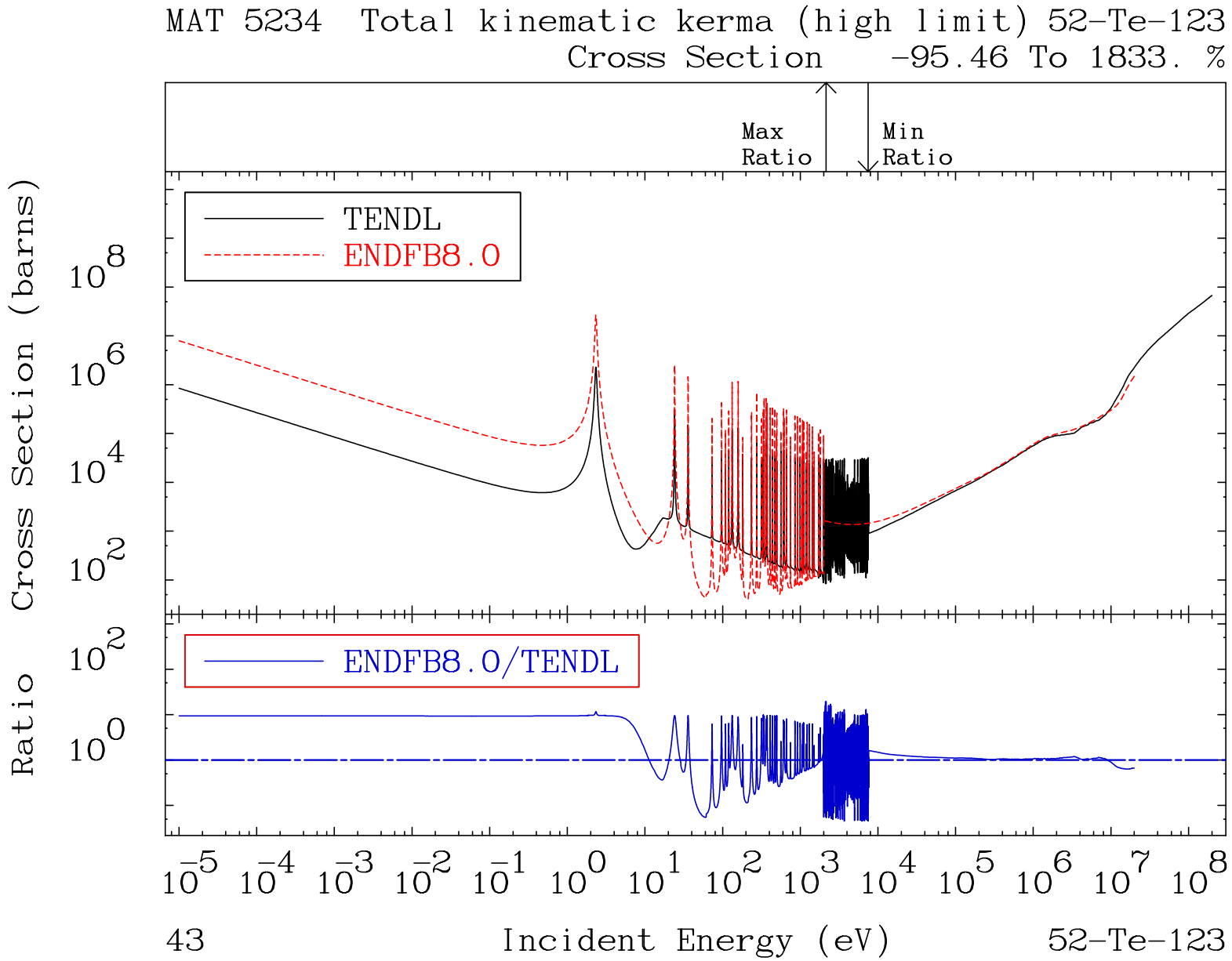

MAT 5234 Kerma non-elastic (all but mt2) 52-Te-123
Cross Section 567.3 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
38
52-Te-123

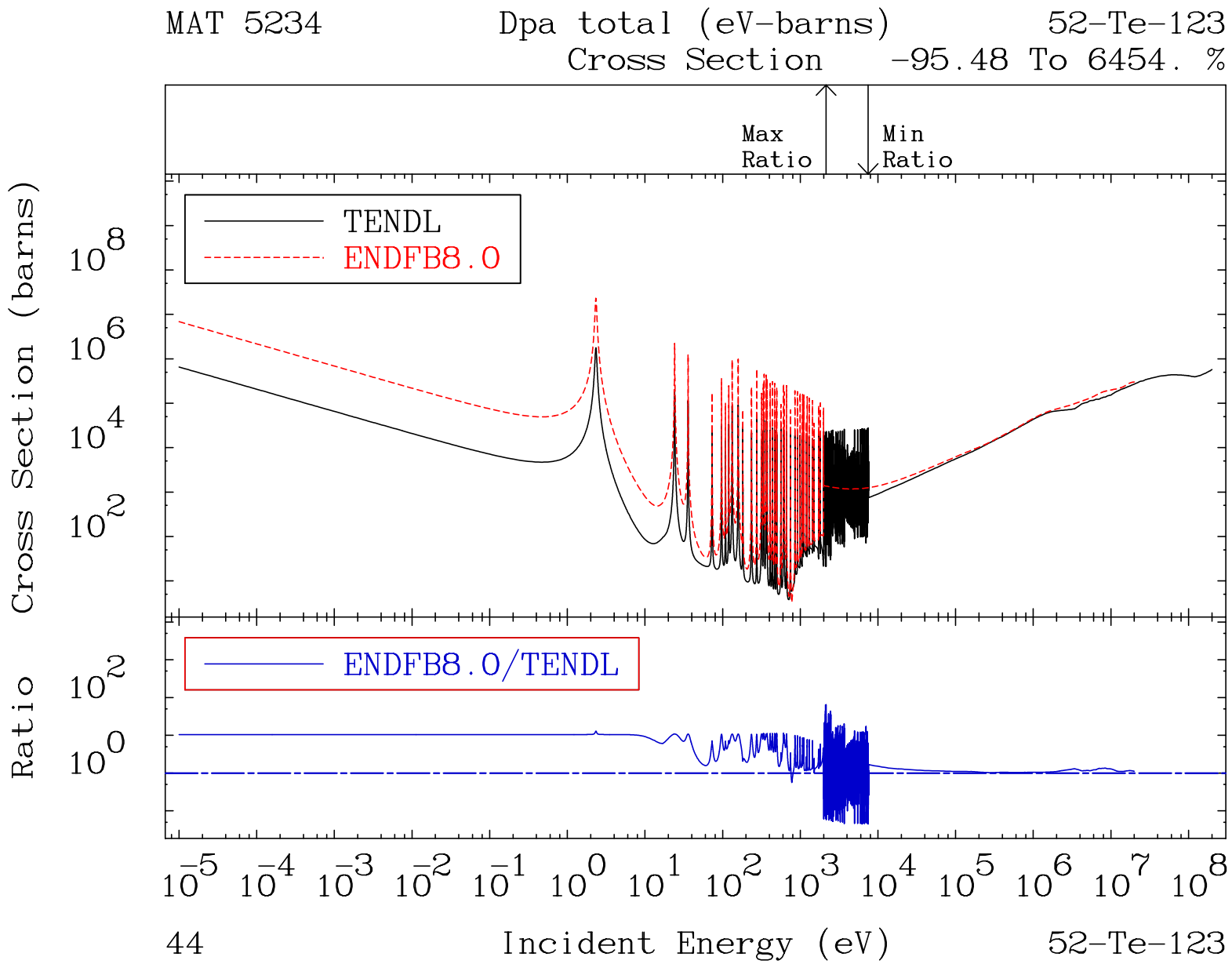

MAT 5234
Kerma inelastic (mt51-91)
52-Te-123
Cross Section -9999. To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 160.30 keV
ENDFB8.0 Threshold 160.30 keV
ENDFB8.0/TENDL
Ratio Cross Section (Mega-barns)
16
12
8
4
0
0
-150
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
39
Incident Energy (eV)
52-Te-123

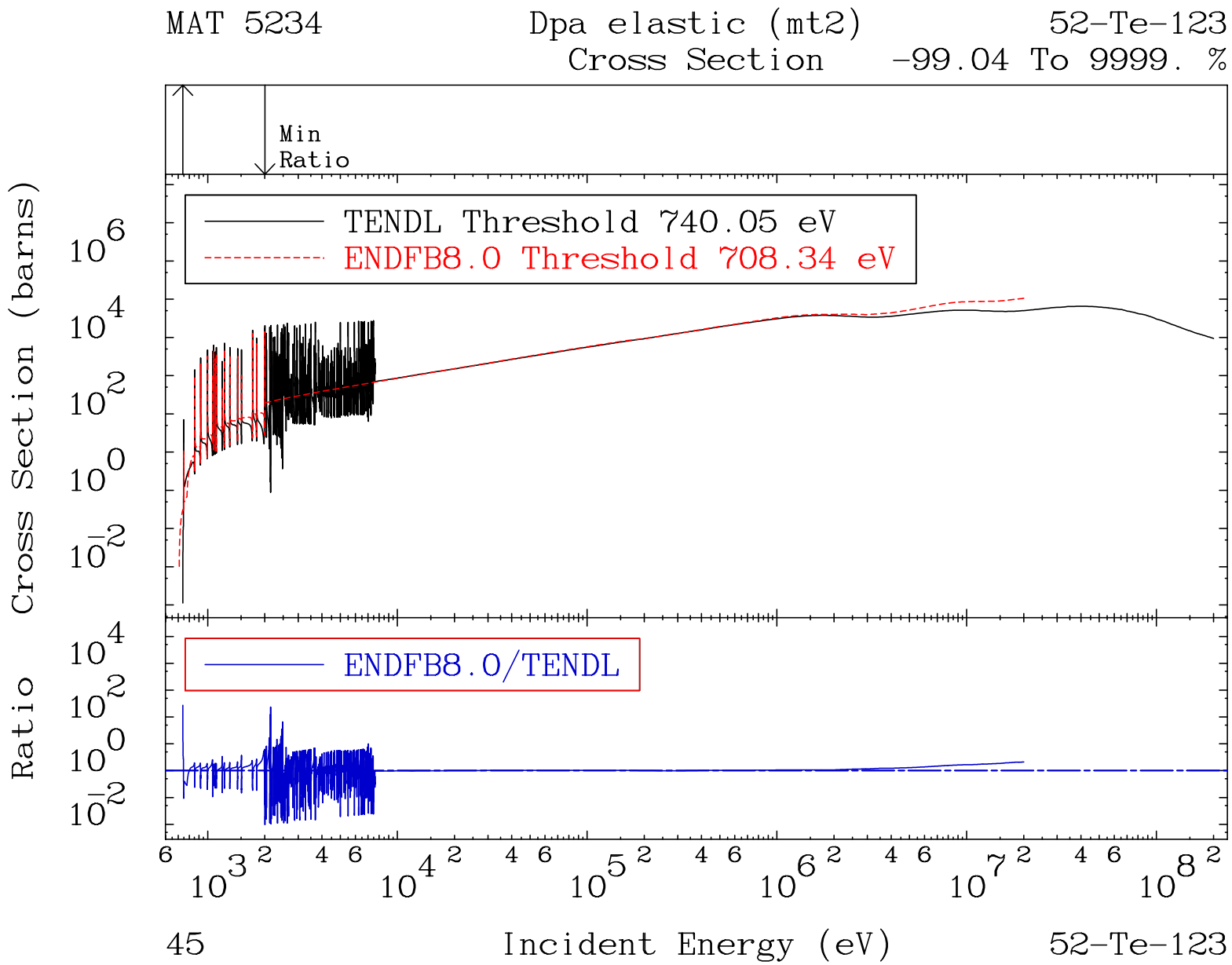

MAT 5234 Kerma fission (mt18 or mt19-20-21-38) 52-Te-123
Cross Section -9999. To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
0
-150
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
Incident Energy (eV)
40
52-Te-123

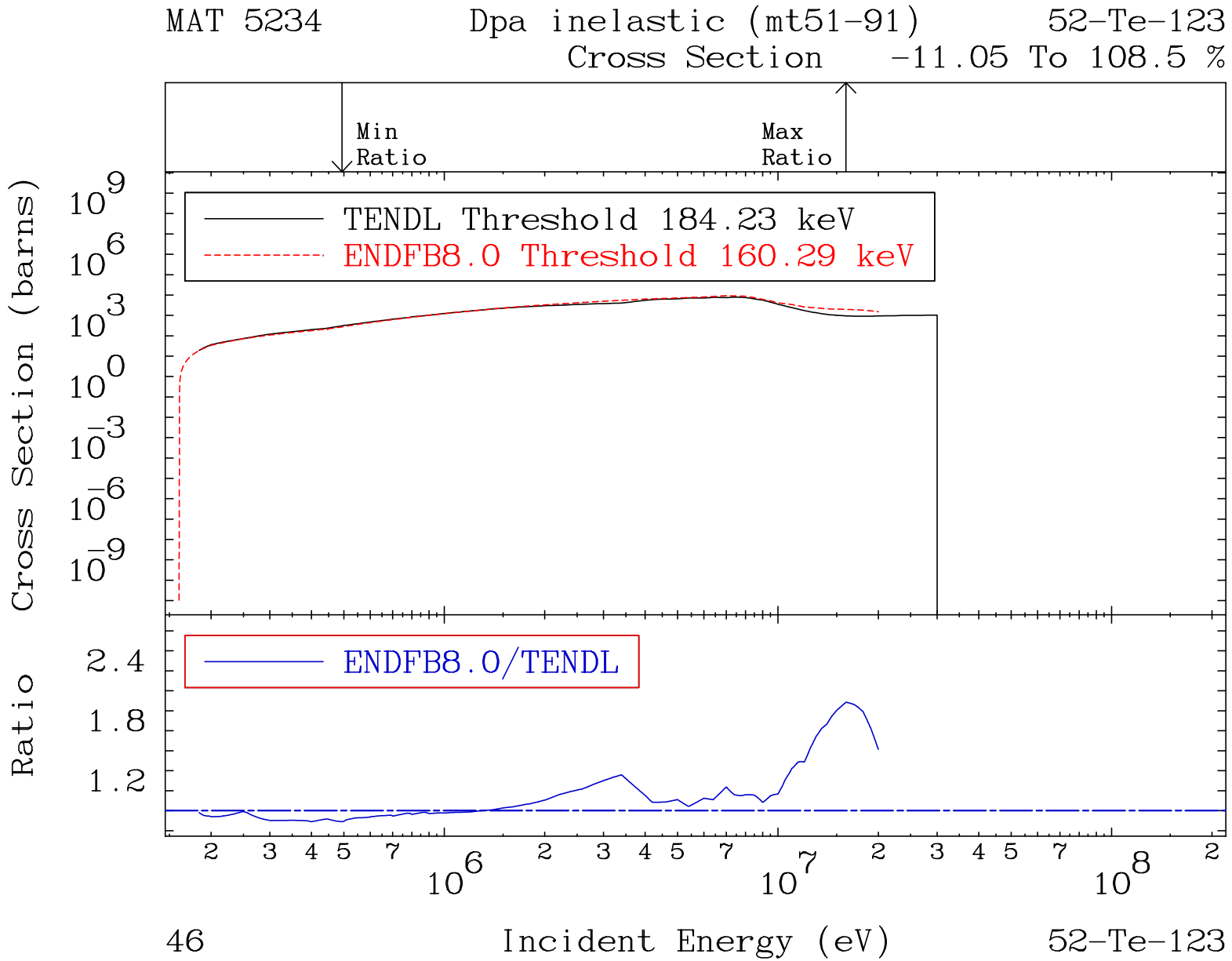

MAT 5234
Kerma capture (mt102)
52-Te-123
Cross Section 9999. To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
41
52-Te-123

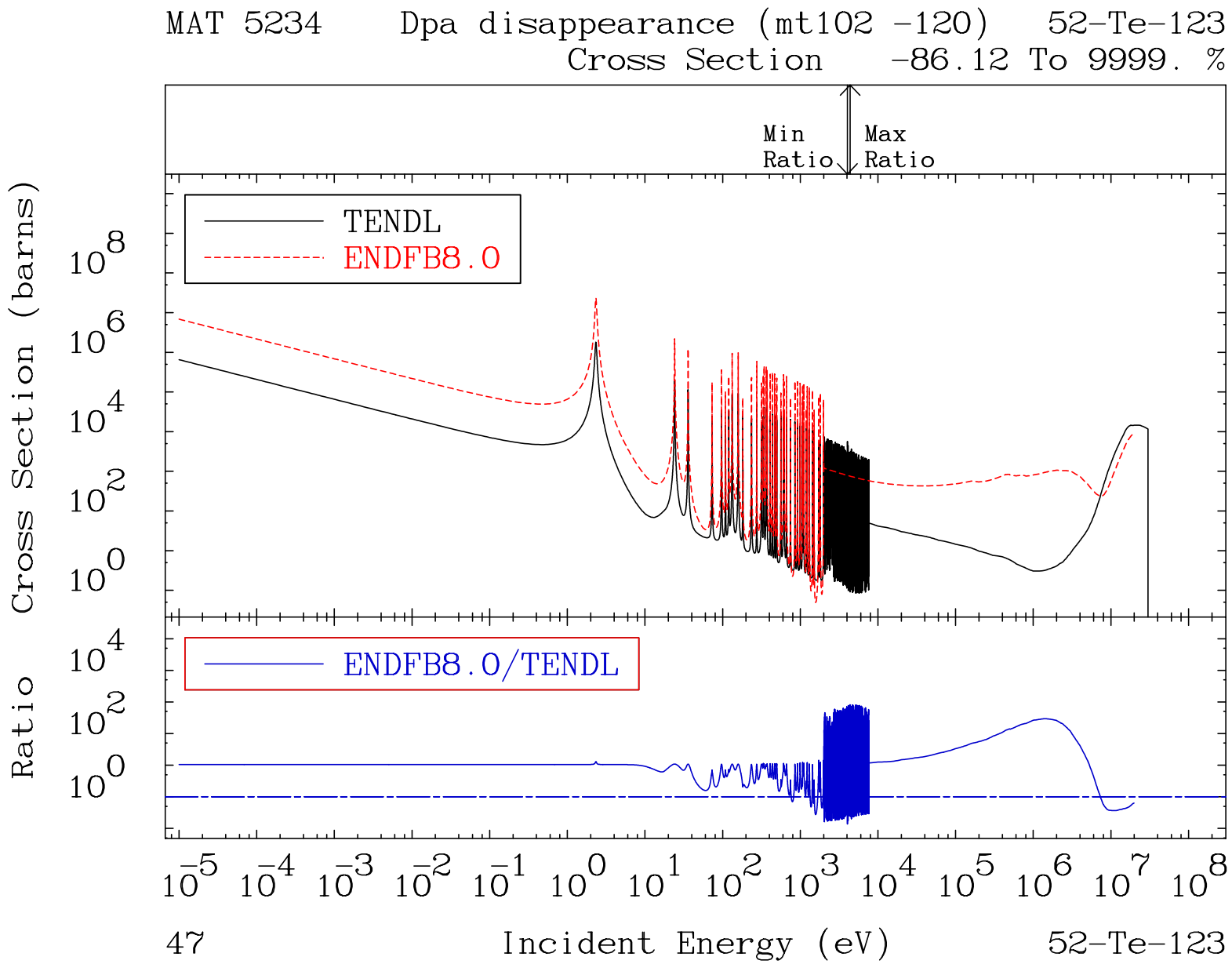

MAT 5234
Total photon (eV-barns)
52-Te-123
Cross Section 9999. To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Ratio Cross Section (Giga-barns)
700
600
500
400
300
200
100
0
10^9
10^6
10^3
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
42
Incident Energy (eV)
52-Te-123


MAT 5234 Total kinematic kerma (high limit) 52-Te-123
Cross Section -95.46 To 1833. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
43
52-Te-123


MAT 5234
Dpa total (eV-barns)
52-Te-123
Cross Section -95.48 To 6454. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
44
52-Te-123


MAT 5234
Dpa elastic (mt2)
Cross Section
52-Te-123
-99.04 To 9999. %
Min
Ratio
TENDL Threshold 740.05 eV
ENDFB8.0 Threshold 708.34 eV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
45
52-Te-123


MAT 5234
Dpa inelastic (mt51-91)
52-Te-123
Cross Section -11.05 To 108.5 %
Min Ratio
Max Ratio
TENDL Threshold 184.23 keV
ENDFB8.0 Threshold 160.29 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
46
52-Te-123


MAT 5234 Dpa disappearance (mt102 -120) 52-Te-123
Cross Section -86.12 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47
52-Te-123