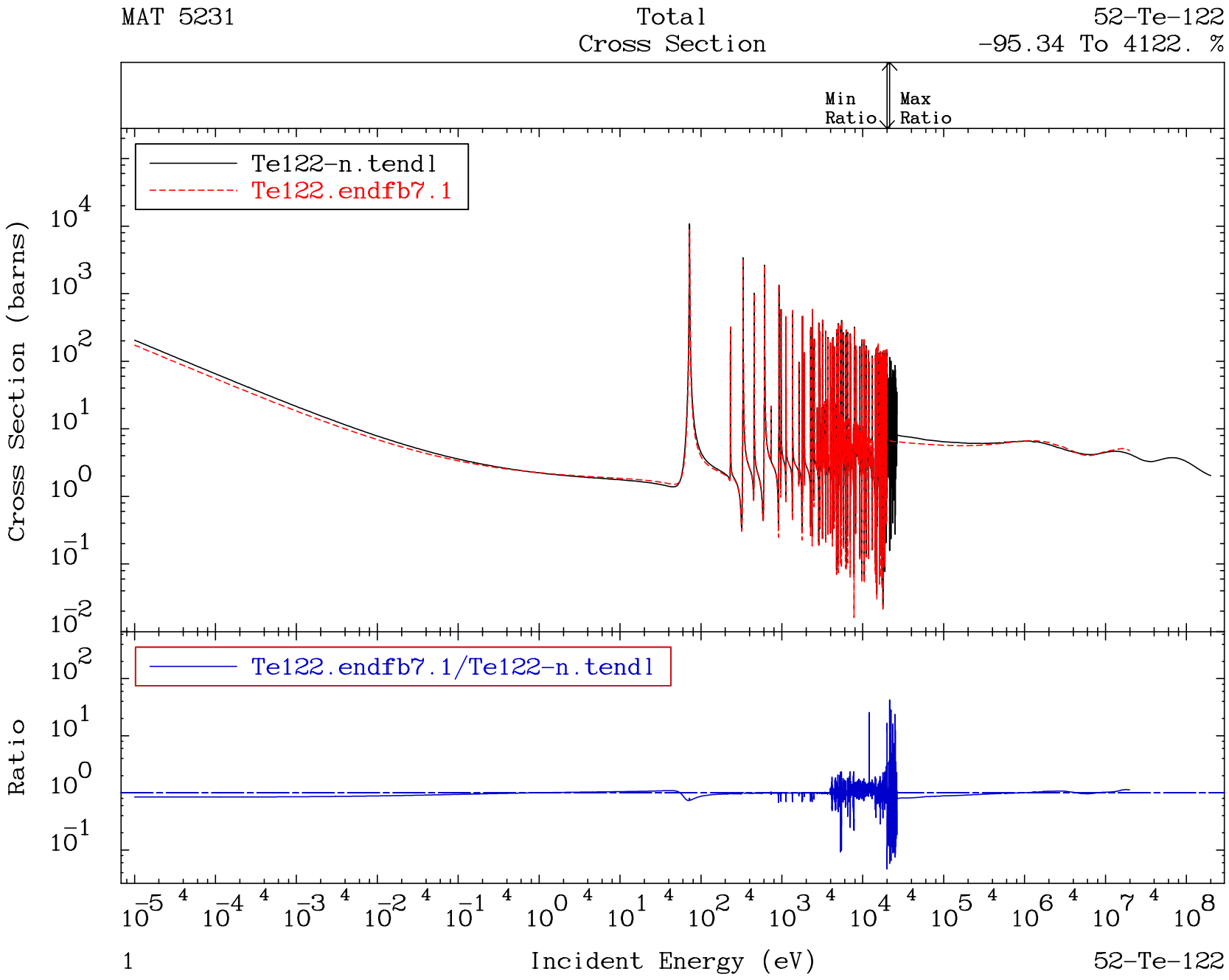
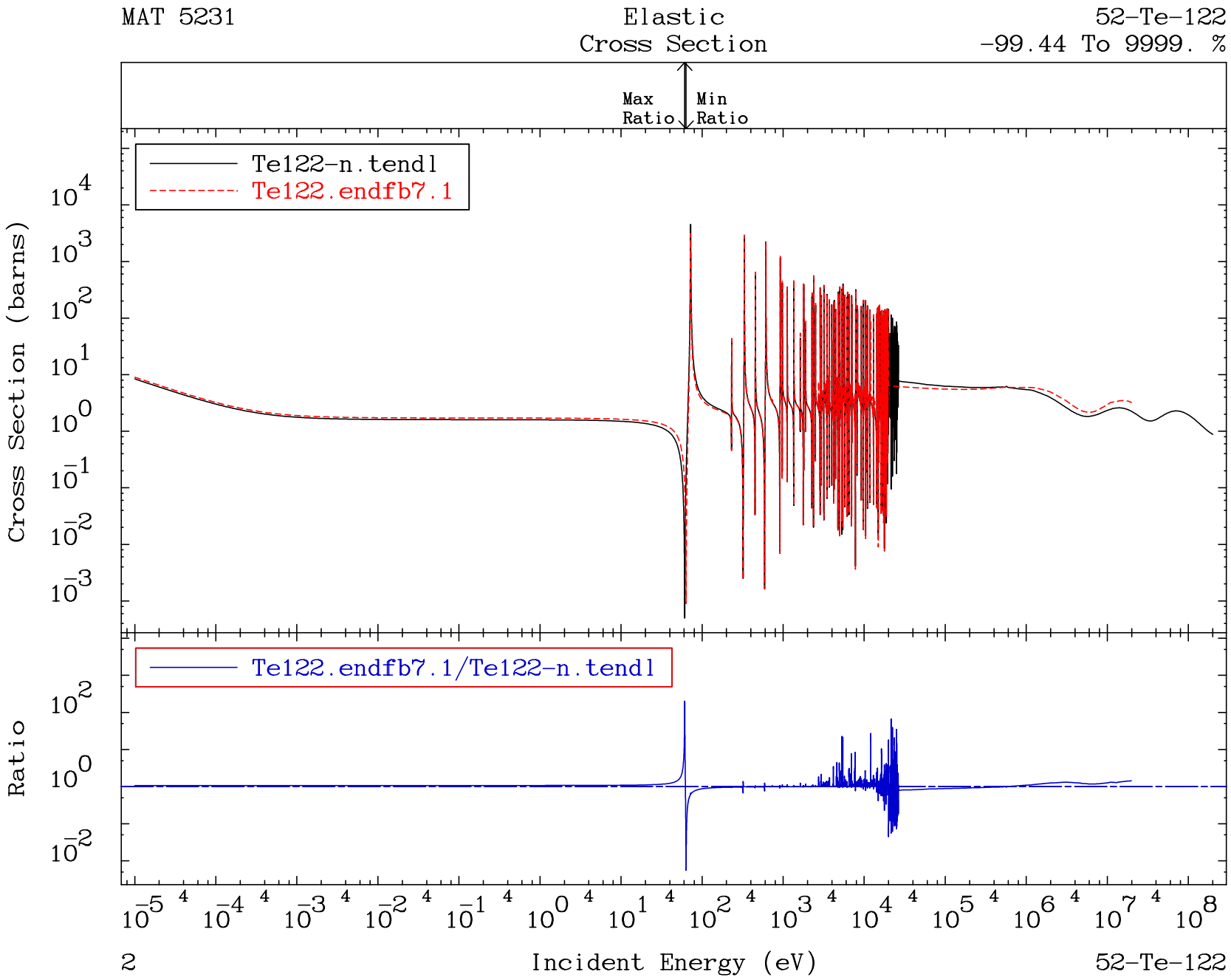
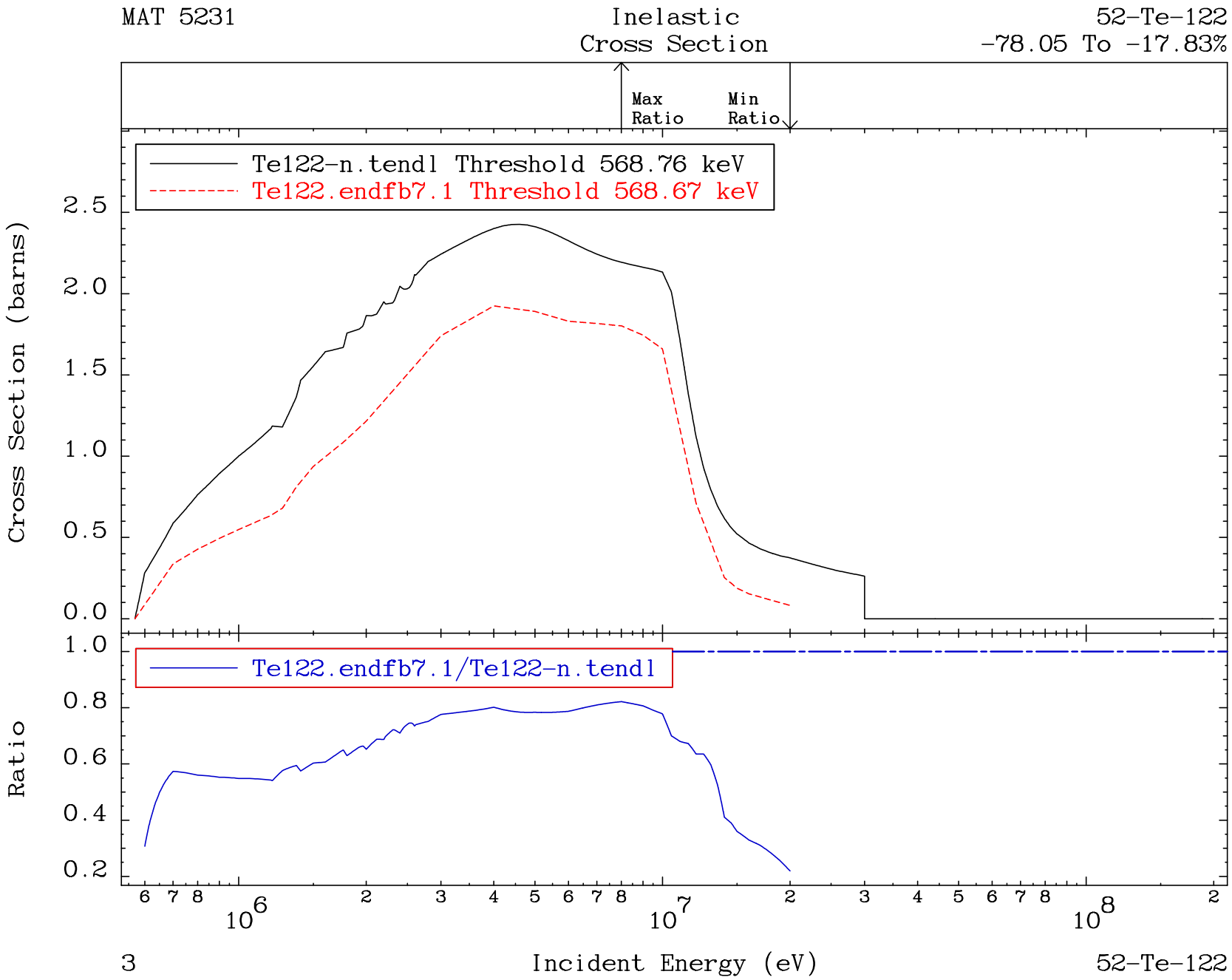
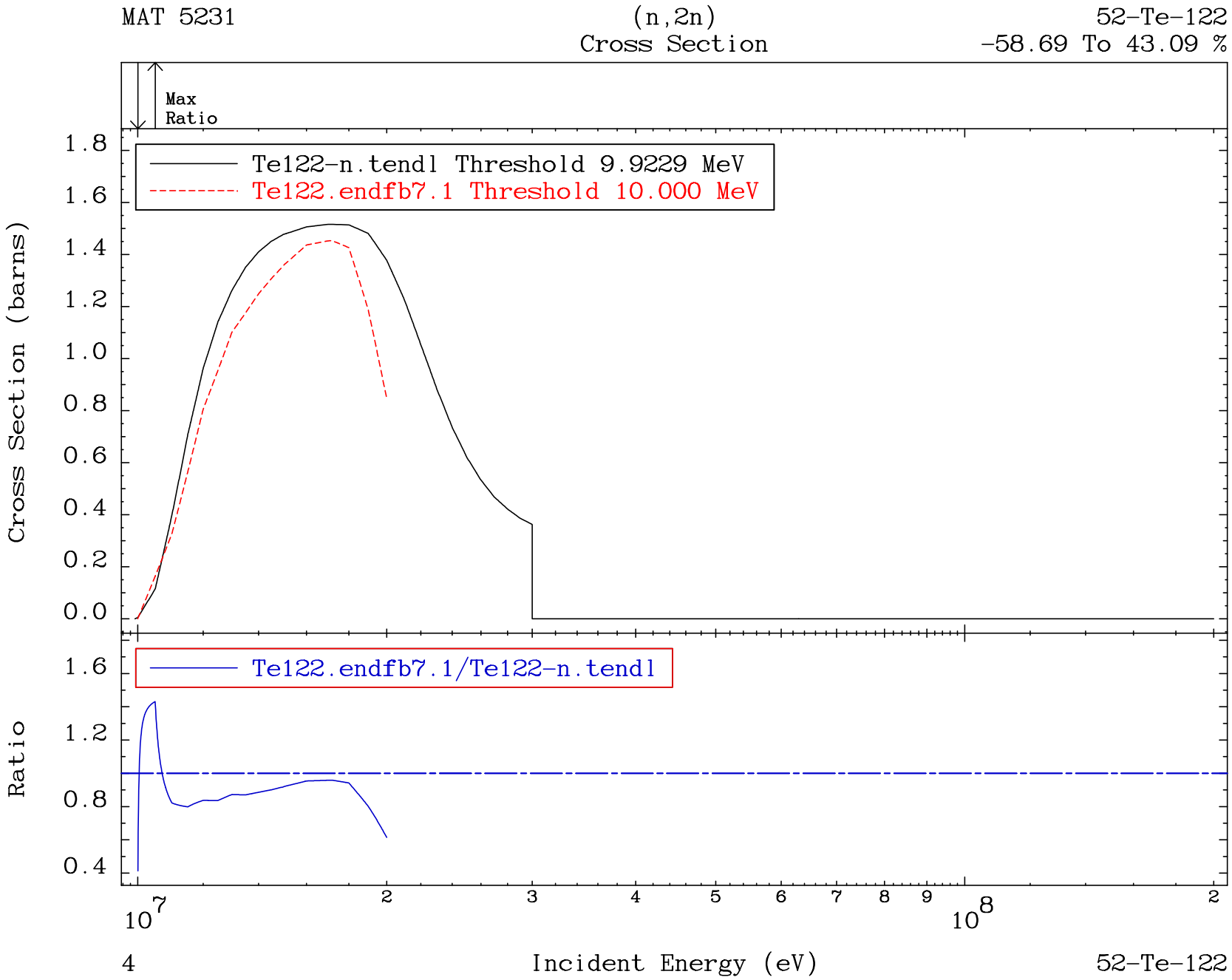
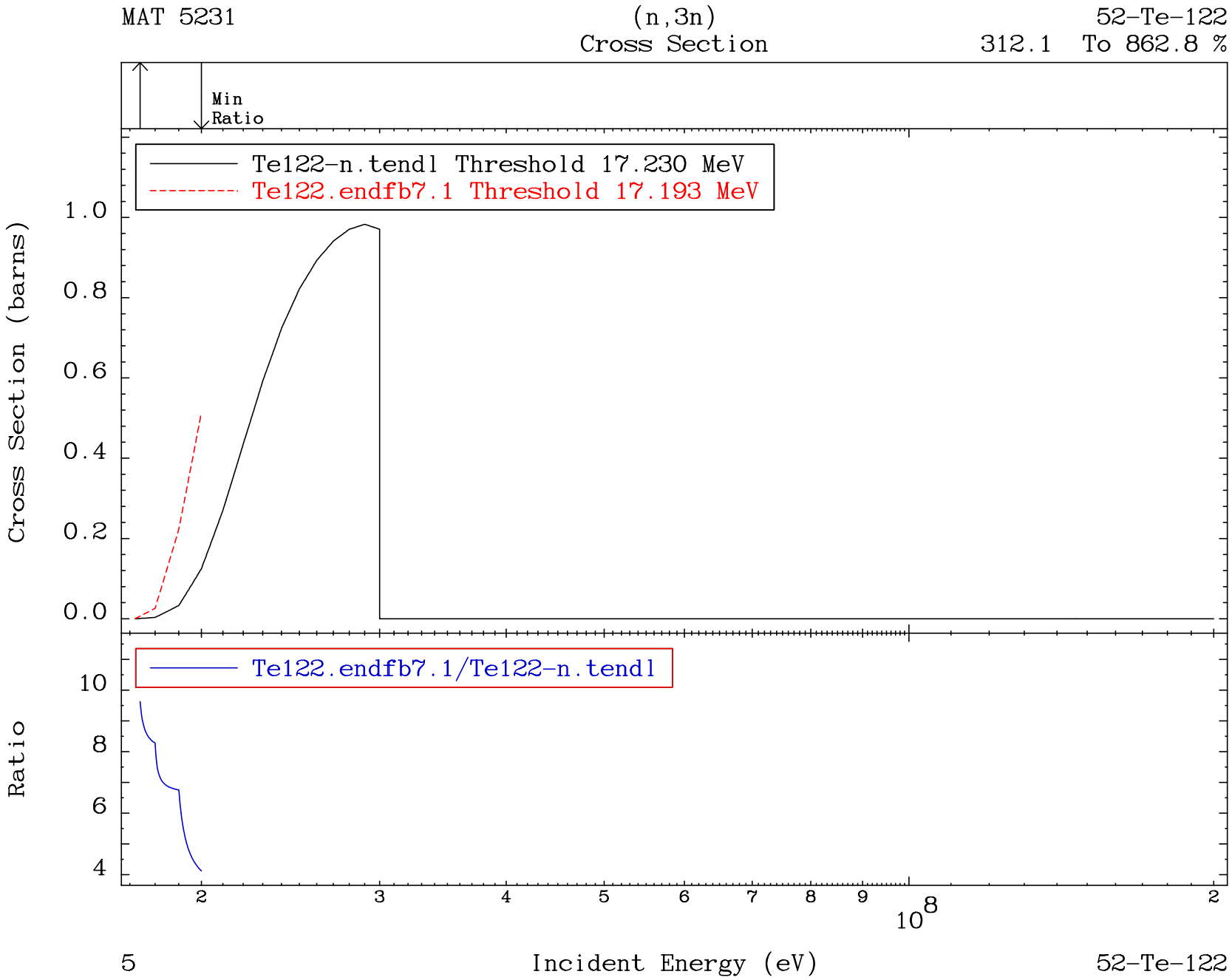
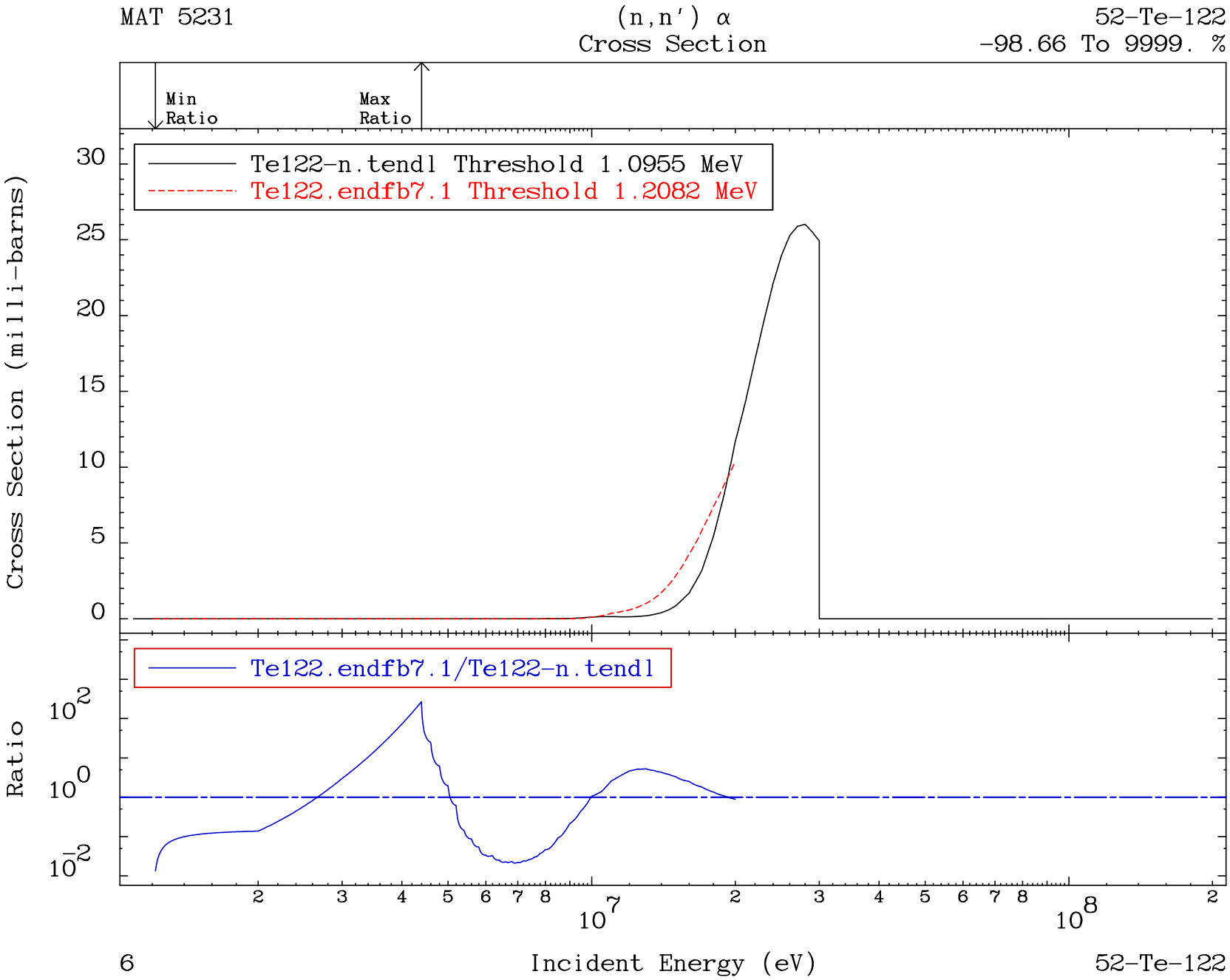

MAT 5231
Total
Cross Section
52-Te-122
-95.34 To 4122. %
Min Ratio
Max Ratio
Te122-n.tendl
Te122.endfb7.1
Cross Section (barns)
Te122.endfb7.1/Te122-n.tendl
Ratio
Incident Energy (eV)
1
52-Te-122

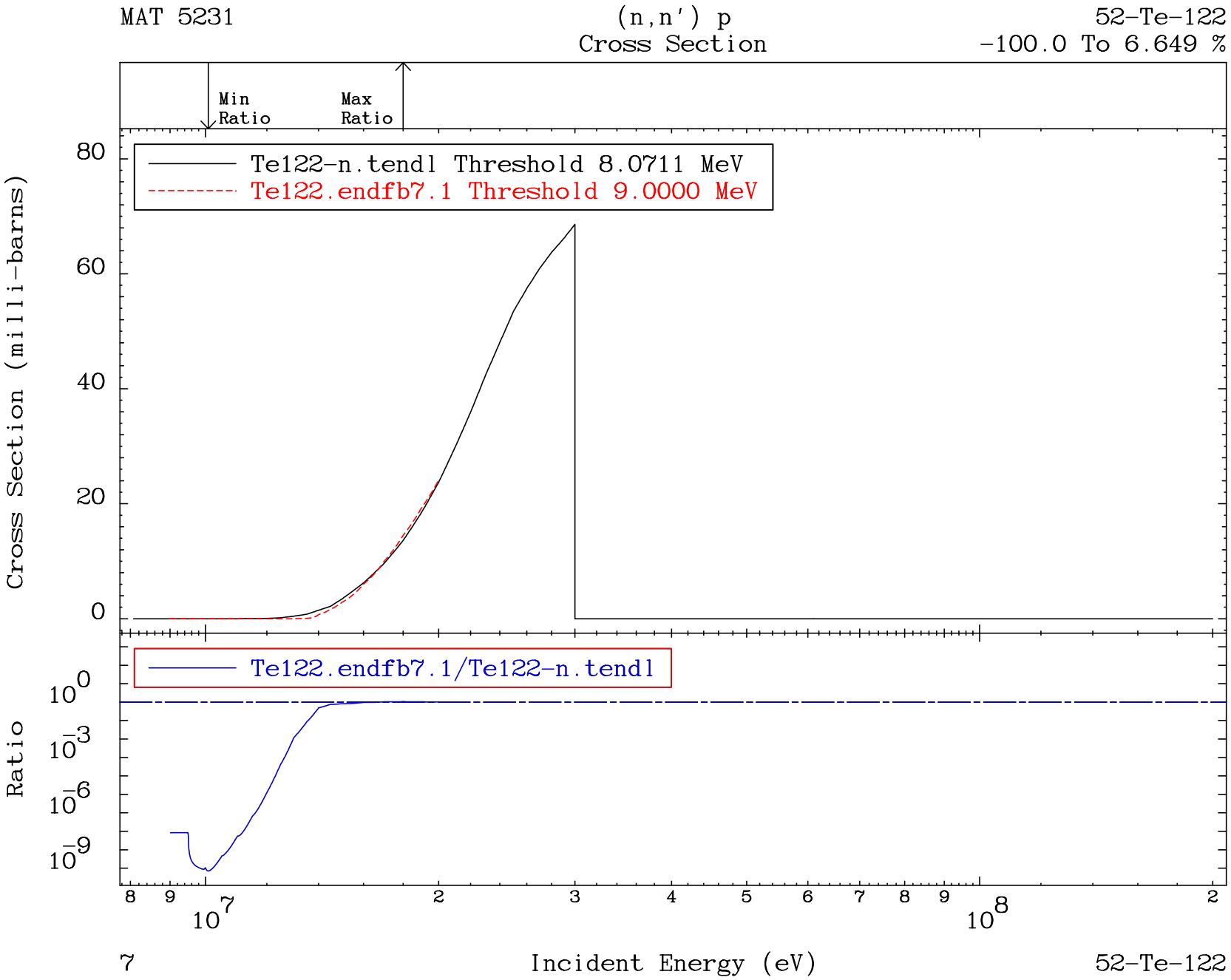

MAT 5231
Elastic
Cross Section
52-Te-122
-99.44 To 9999. %
Max Ratio
Min Ratio
Te122-n.tendl
Te122.endfb7.1
Cross Section (barns)
Te122.endfb7.1/Te122-n.tendl
Ratio
Incident Energy (eV)
2
52-Te-122

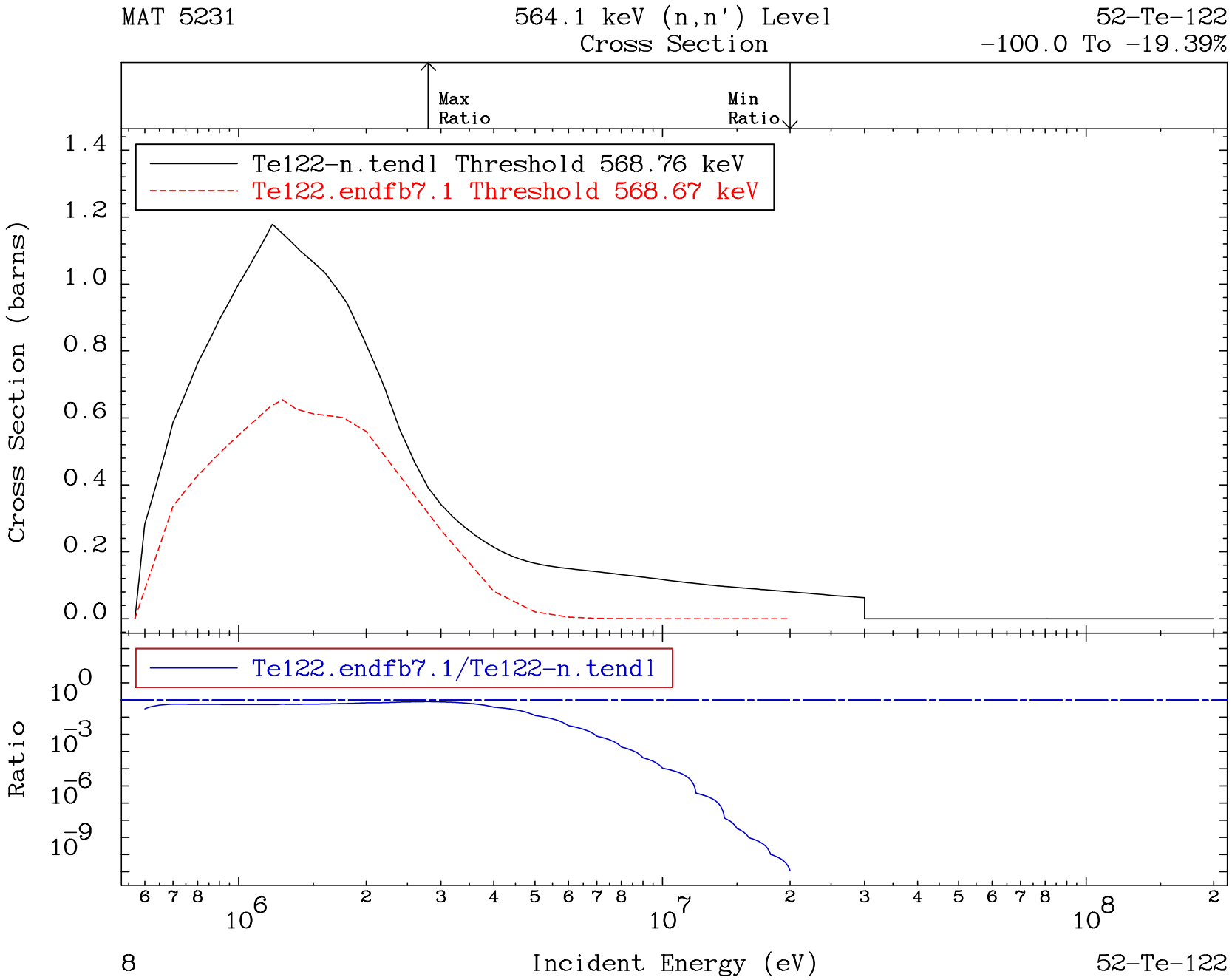

MAT 5231
Inelastic
Cross Section
52-Te-122
-78.05 To -17.83%
Max
Ratio
Min
Ratio
Te122-n.tendl Threshold 568.76 keV
Te122.endfb7.1 Threshold 568.67 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
Te122.endfb7.1/Te122-n.tendl
Ratio
1.0
0.8
0.6
0.4
0.2
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
3
Incident Energy (eV)
52-Te-122

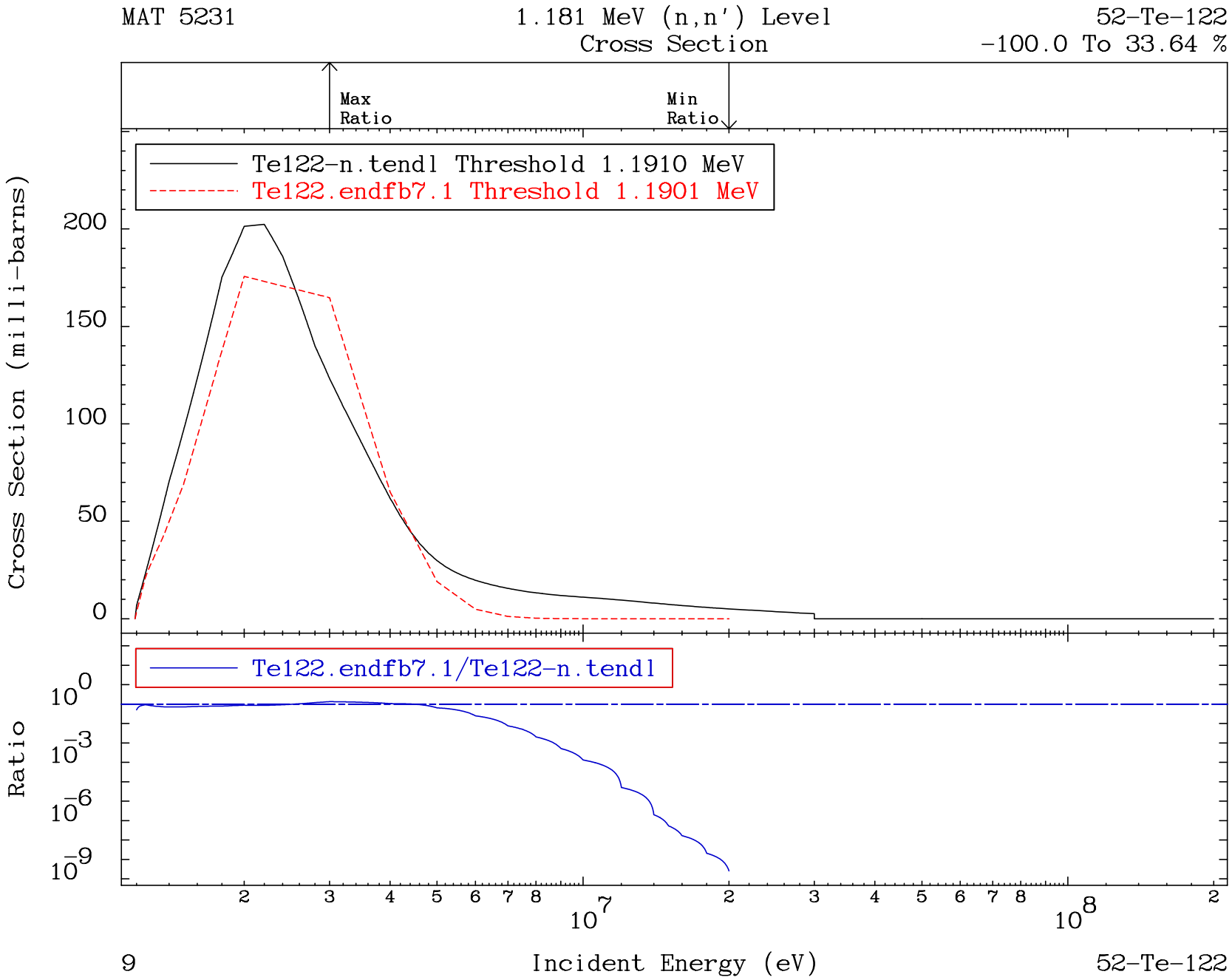

MAT 5231
(n,2n)
Cross Section
52-Te-122
-58.69 To 43.09 %
Max
Ratio
Te122-n.tendl Threshold 9.9229 MeV
Te122.endfb7.1 Threshold 10.000 MeV
Cross Section (barns)
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Te122.endfb7.1/Te122-n.tendl
Ratio
1.6
1.2
0.8
0.4
10^7
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
52-Te-122

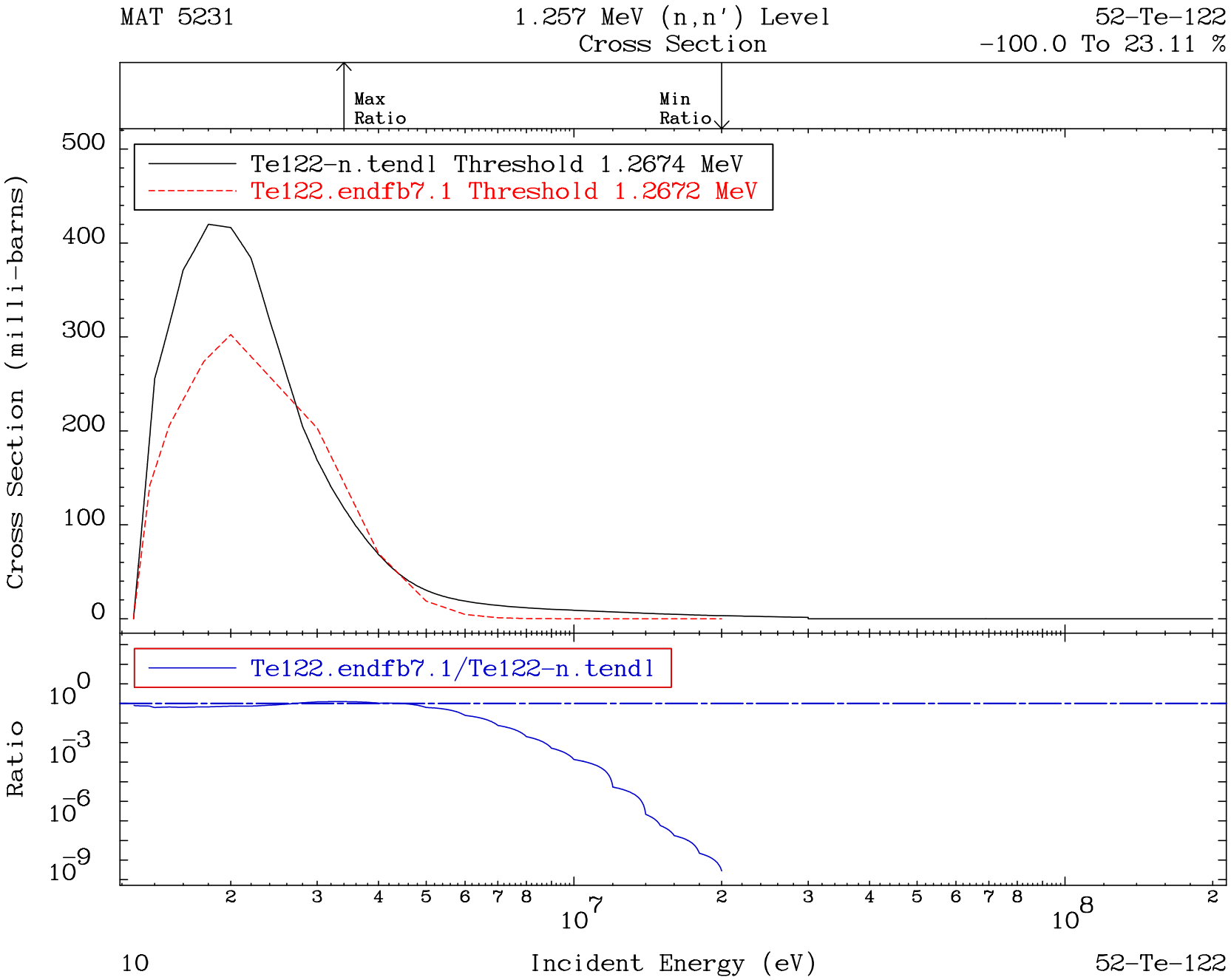

MAT 5231
(n,3n)
Cross Section
52-Te-122
312.1 To 862.8 %
Min
Ratio
Te122-n.tendl Threshold 17.230 MeV
Te122.endfb7.1 Threshold 17.193 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
Te122.endfb7.1/Te122-n.tendl
Ratio
10
8
6
4
2
3
4
5
6
7
8
9
2
10^8
5
Incident Energy (eV)
52-Te-122

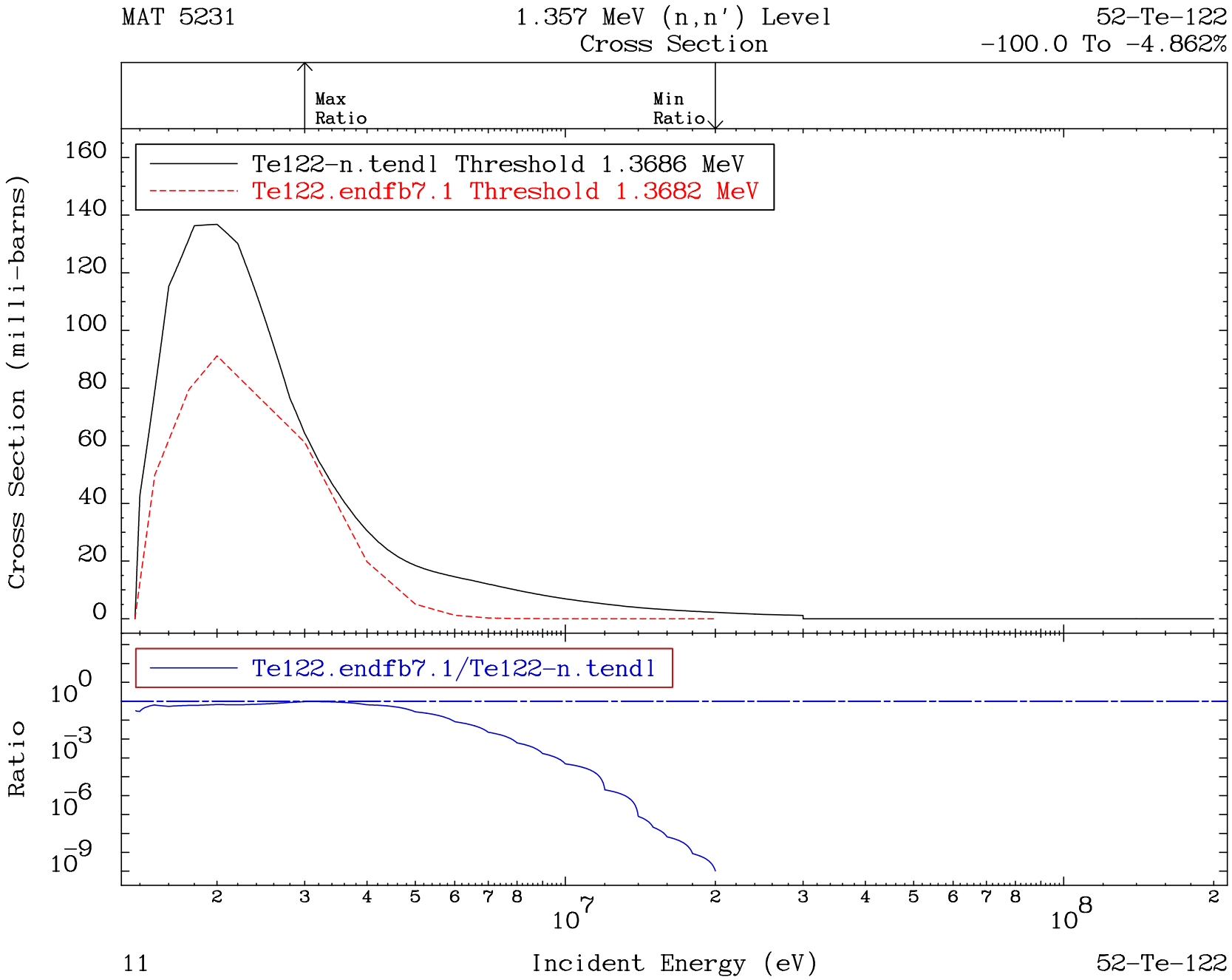

MAT 5231
(n,n') α
Cross Section
52-Te-122
-98.66 To 9999. %
Min Ratio
Max Ratio
Te122-n.tendl Threshold 1.0955 MeV
Te122.endfb7.1 Threshold 1.2082 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
Te122.endfb7.1/Te122-n.tendl
Ratio
10^2
10^0
10^-2
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
6
Incident Energy (eV)
52-Te-122

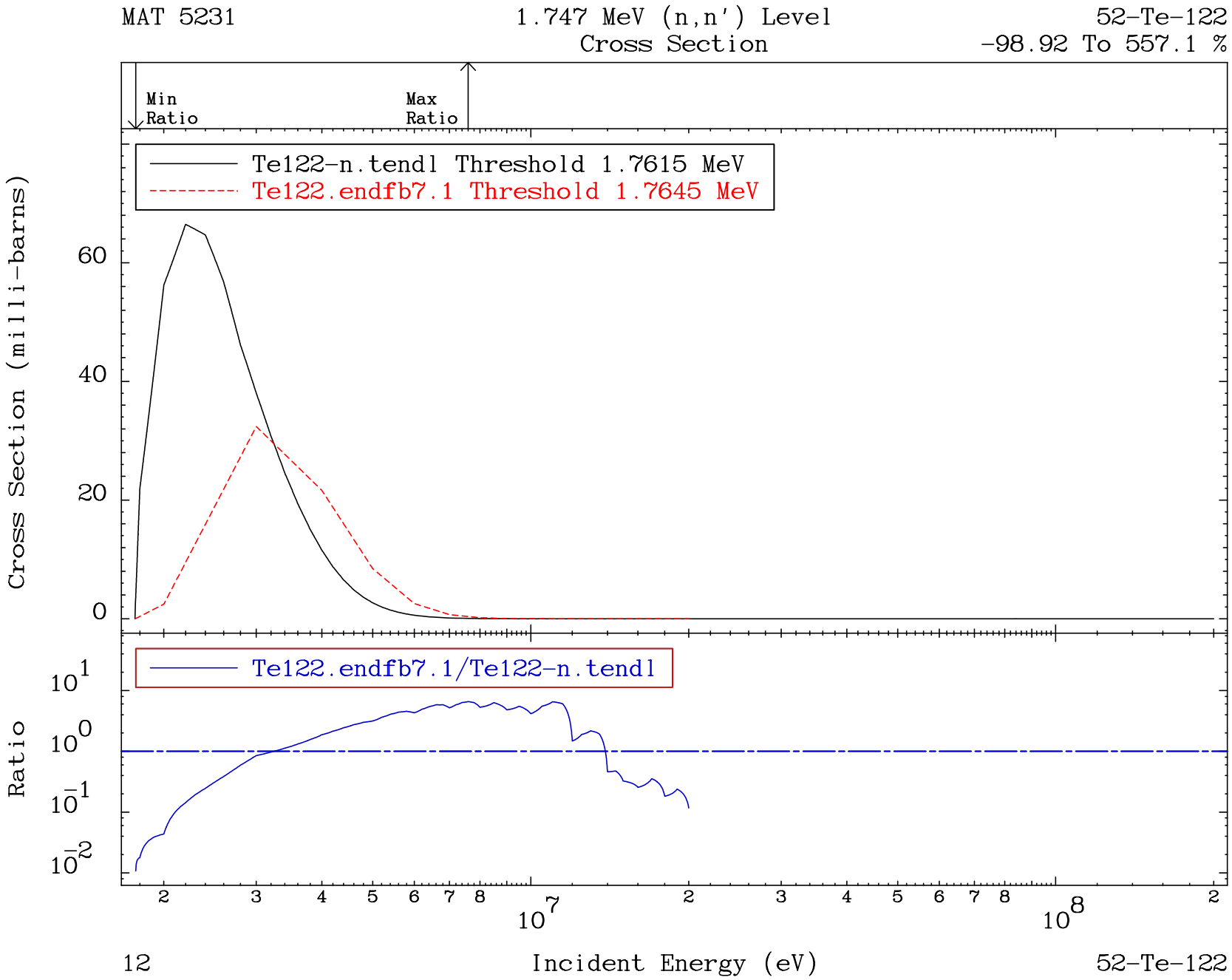

MAT 5231
(n,n') p
Cross Section
52-Te-122
-100.0 To 6.649 %
Min Ratio
Max Ratio
Te122-n.tendl Threshold 8.0711 MeV
Te122.endfb7.1 Threshold 9.0000 MeV
Cross Section (milli-barns)
80
60
40
20
0
Te122.endfb7.1/Te122-n.tendl
Ratio
10^0
10^-3
10^-6
10^-9
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
7
Incident Energy (eV)
52-Te-122

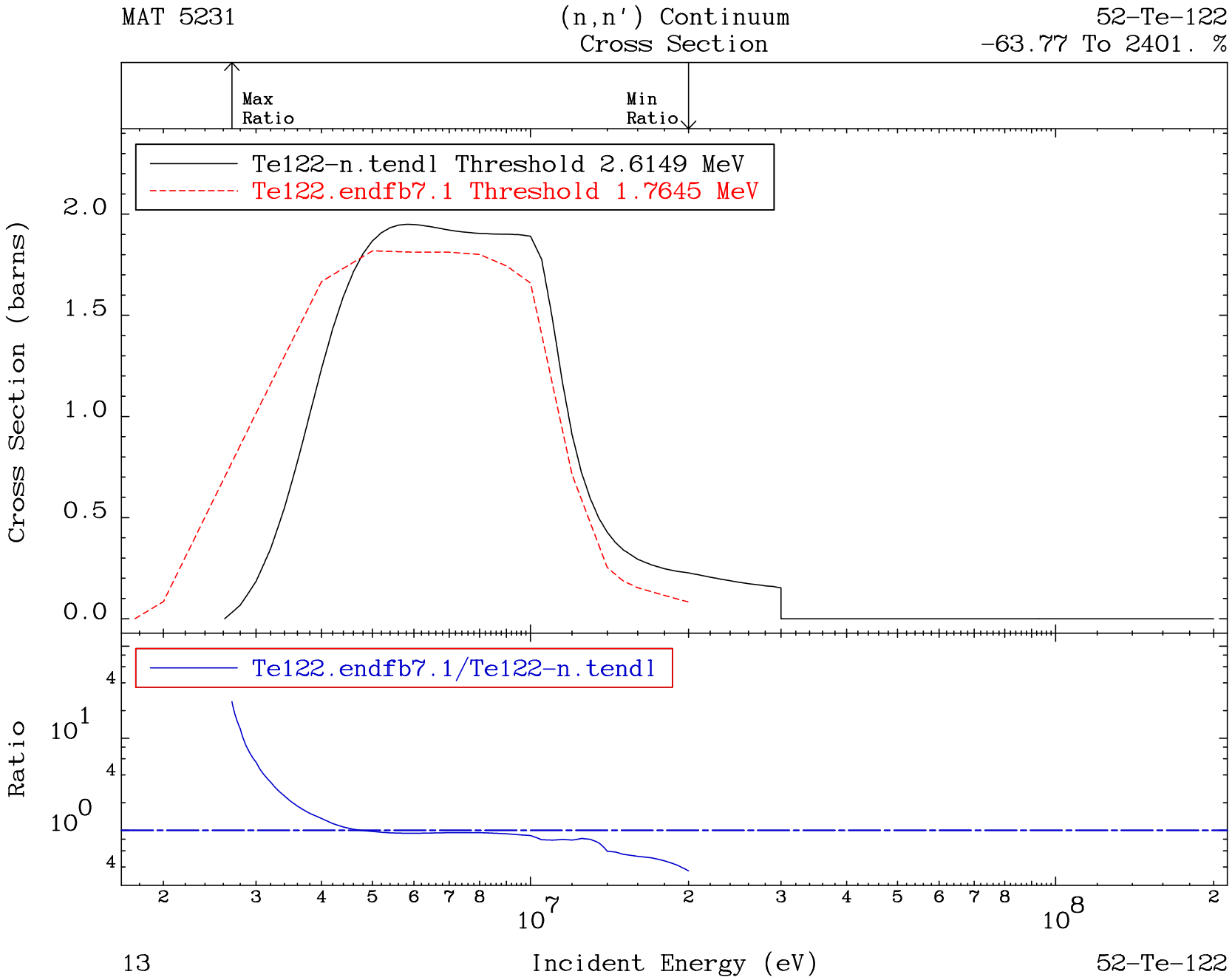

MAT 5231
564.1 keV (n,n') Level
Cross Section
52-Te-122
-100.0 To -19.39%
Max
Ratio
Min
Ratio
Te122-n.tendl Threshold 568.76 keV
Te122.endfb7.1 Threshold 568.67 keV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Te122.endfb7.1/Te122-n.tendl
Ratio
10^0
10^-3
10^-6
10^-9
6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
8
Incident Energy (eV)
52-Te-122

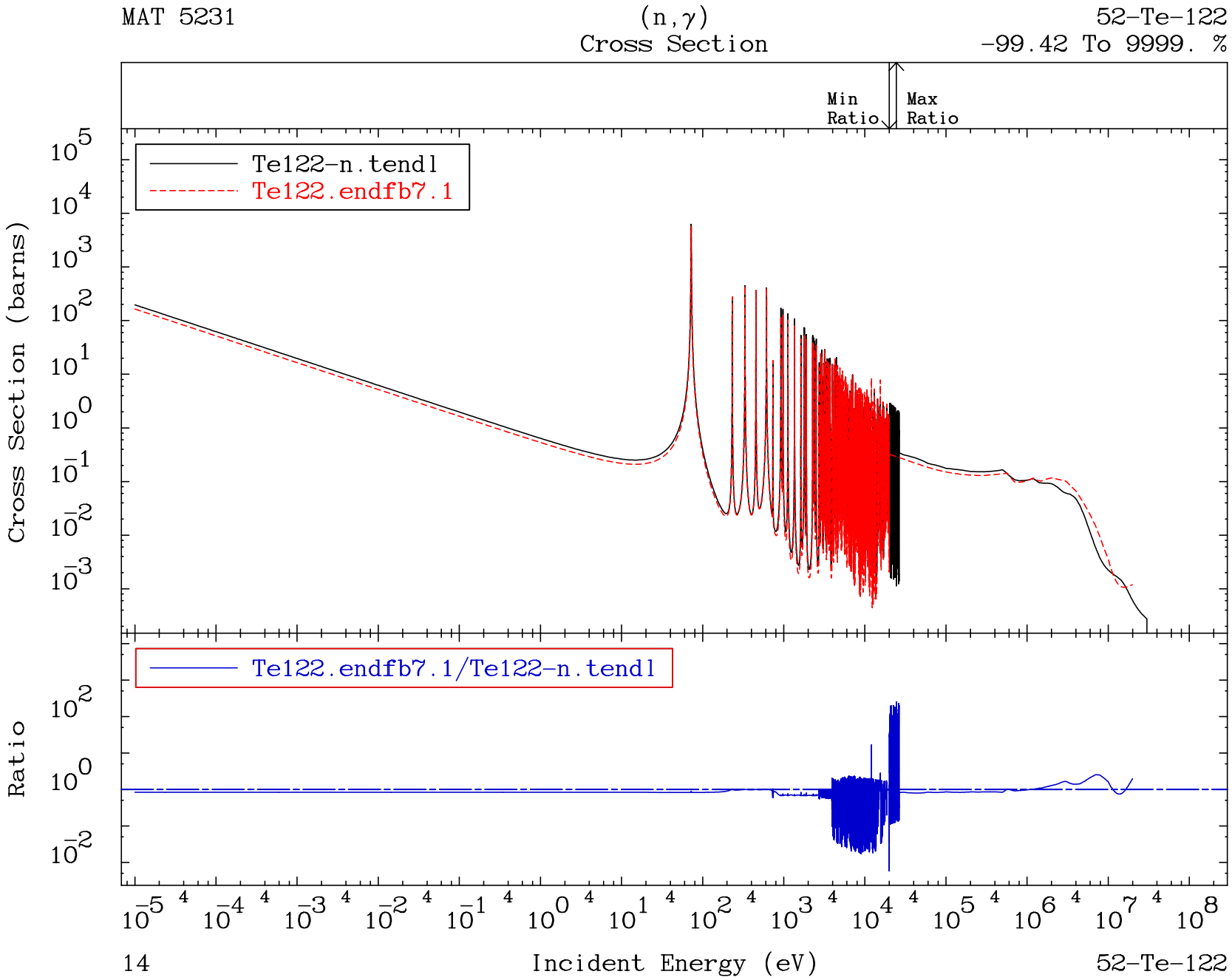

MAT 5231
1.181 MeV (n,n') Level
Cross Section
52-Te-122
-100.0 To 33.64 %
Max Ratio
Min Ratio
Te122-n.tendl Threshold 1.1910 MeV
Te122.endfb7.1 Threshold 1.1901 MeV
Cross Section (milli-barns)
200
150
100
50
0
Te122.endfb7.1/Te122-n.tendl
Ratio
10^0
10^-3
10^-6
10^-9
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
9
Incident Energy (eV)
52-Te-122

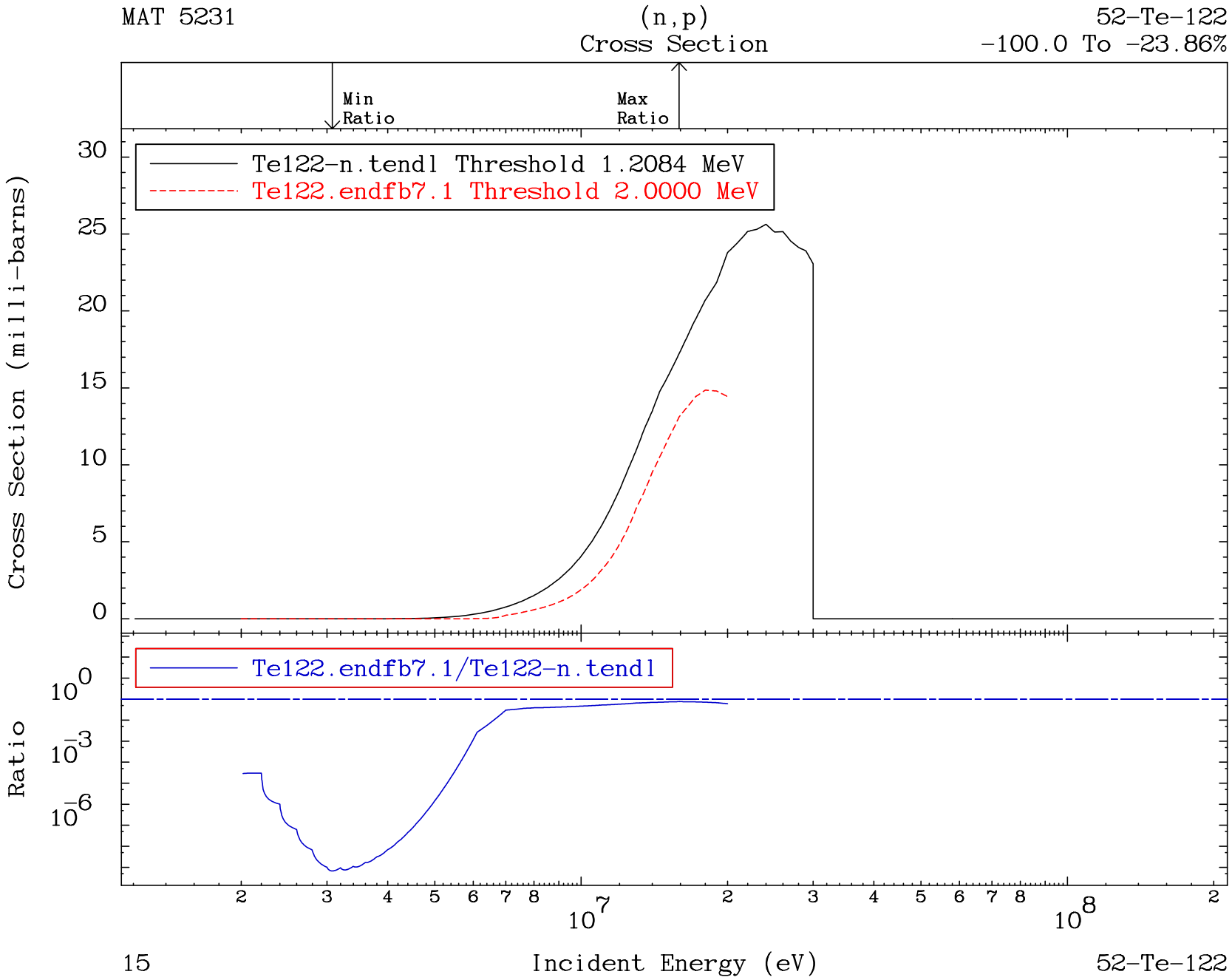

MAT 5231
1.257 MeV (n,n') Level
Cross Section
52-Te-122
-100.0 To 23.11 %
Max Ratio
Min Ratio
Te122-n.tendl Threshold 1.2674 MeV
Te122.endfb7.1 Threshold 1.2672 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
Te122.endfb7.1/Te122-n.tendl
Ratio
10^0
10^-3
10^-6
10^-9
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
10
Incident Energy (eV)
52-Te-122

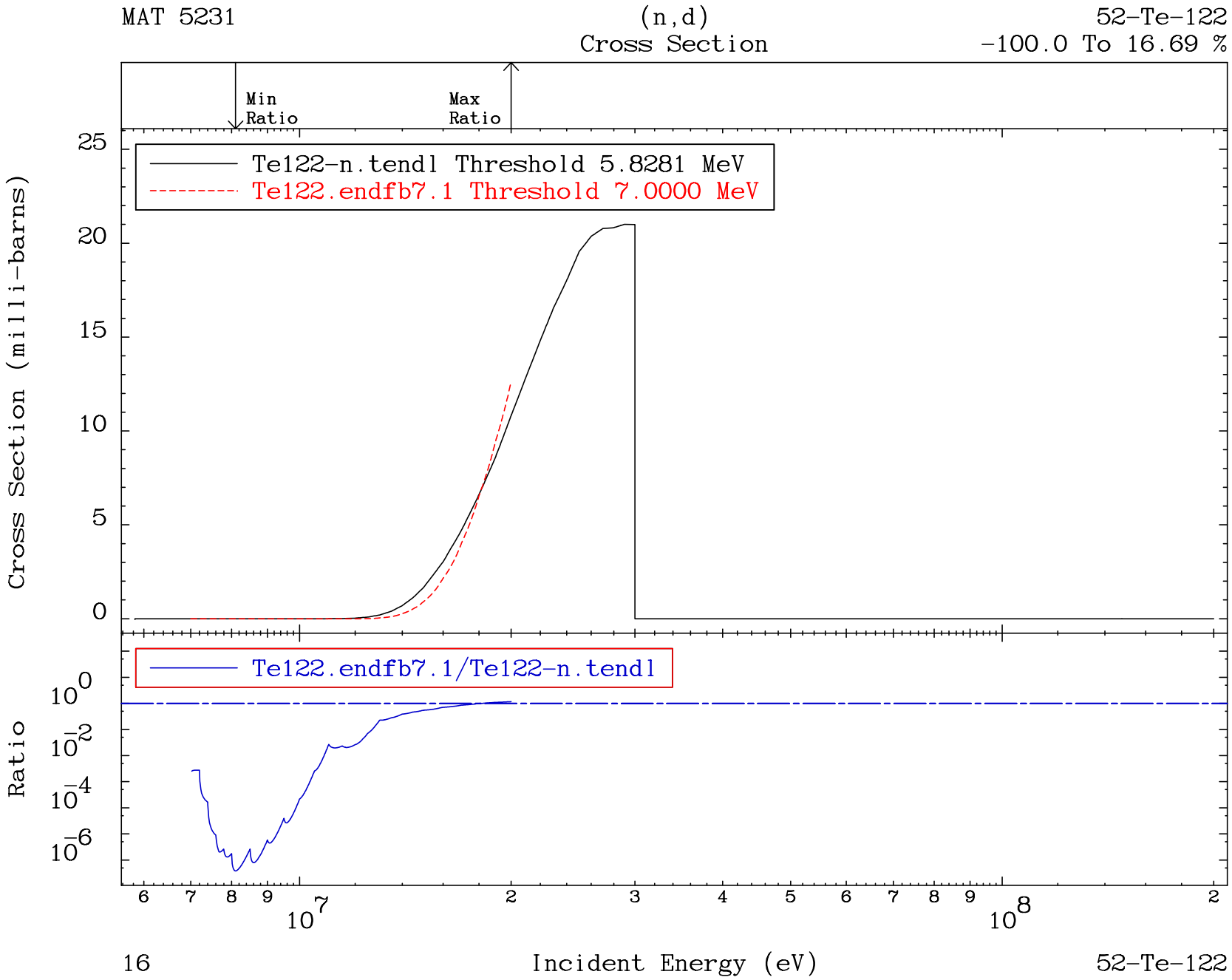

MAT 5231
1.357 MeV (n,n') Level
Cross Section
52-Te-122
-100.0 To -4.862%
Max Ratio
Min Ratio
Te122-n.tendl Threshold 1.3686 MeV
Te122.endfb7.1 Threshold 1.3682 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
Te122.endfb7.1/Te122-n.tendl
Ratio
10^0
10^-3
10^-6
10^-9
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
11
Incident Energy (eV)
52-Te-122

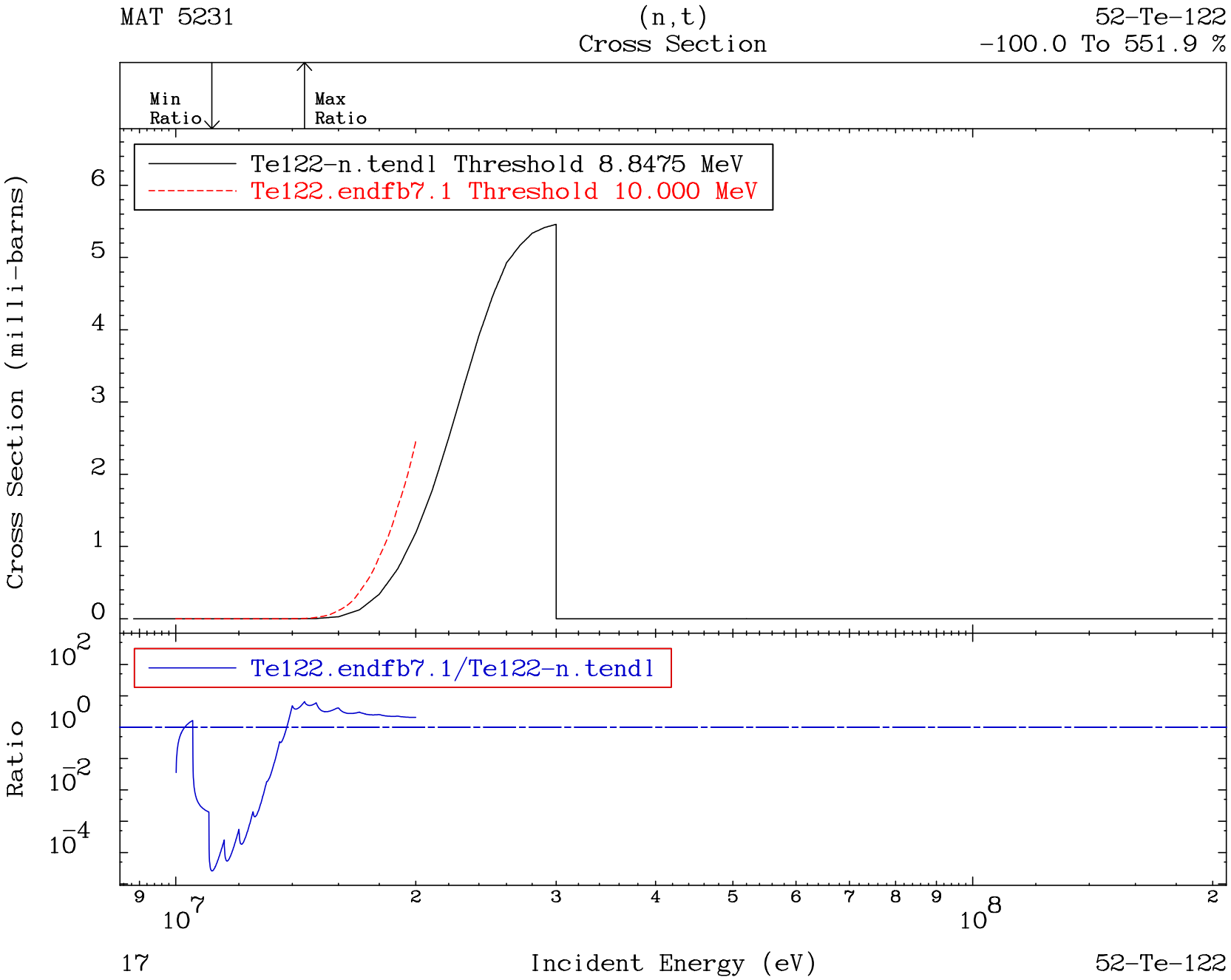

MAT 5231
1.747 MeV (n,n') Level
Cross Section
52-Te-122
-98.92 To 557.1 %
Min Ratio
Max Ratio
Te122-n.tendl Threshold 1.7615 MeV
Te122.endfb7.1 Threshold 1.7645 MeV
Cross Section (milli-barns)
60
40
20
0
Te122.endfb7.1/Te122-n.tendl
Ratio
10^1
10^0
10^-1
10^-2
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
52-Te-122

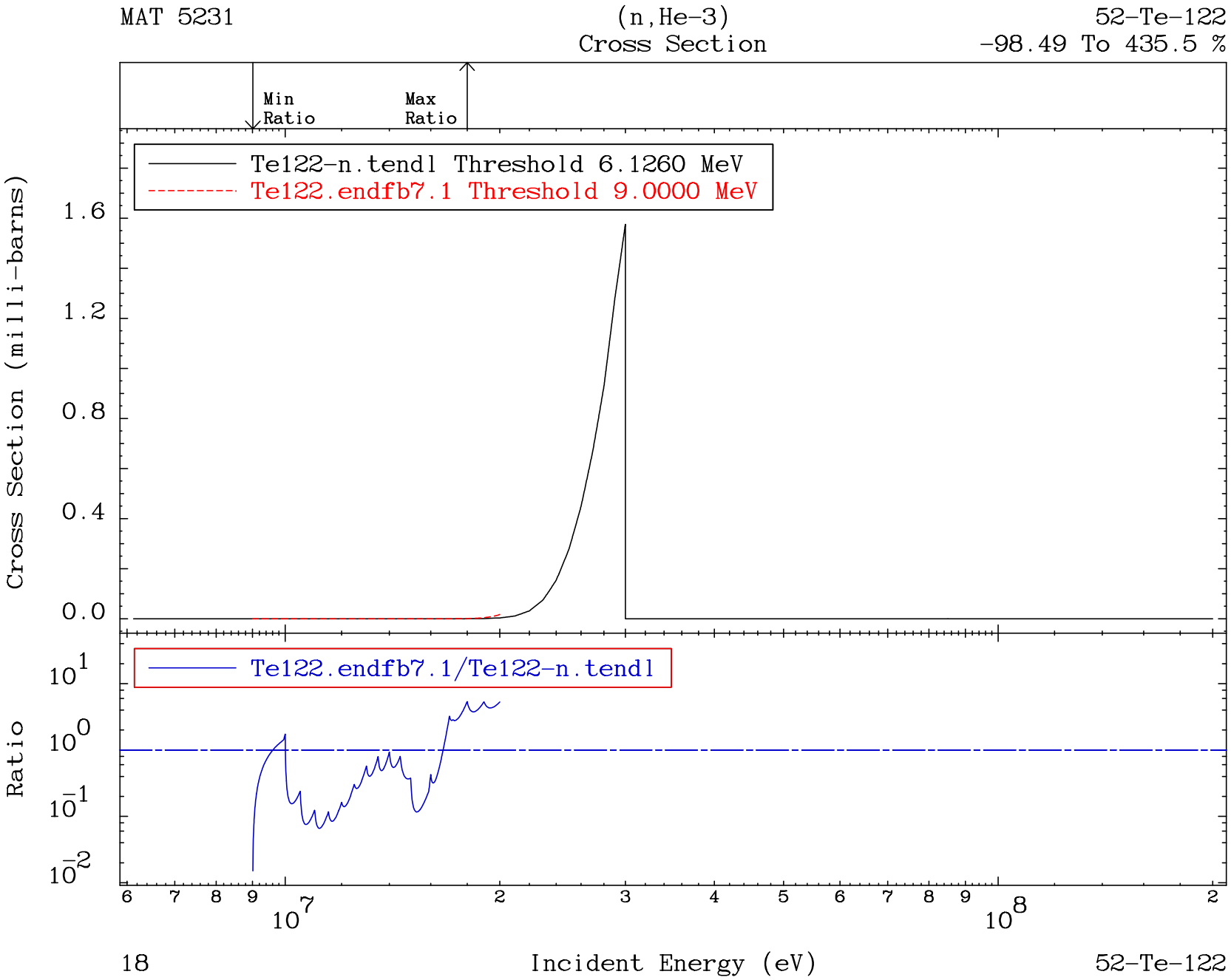

MAT 5231
(n,n') Continuum
Cross Section
52-Te-122
-63.77 To 2401. %
Max
Ratio
Min
Ratio
Te122-n.tendl Threshold 2.6149 MeV
Te122.endfb7.1 Threshold 1.7645 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
Te122.endfb7.1/Te122-n.tendl
Ratio
10^1
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
52-Te-122

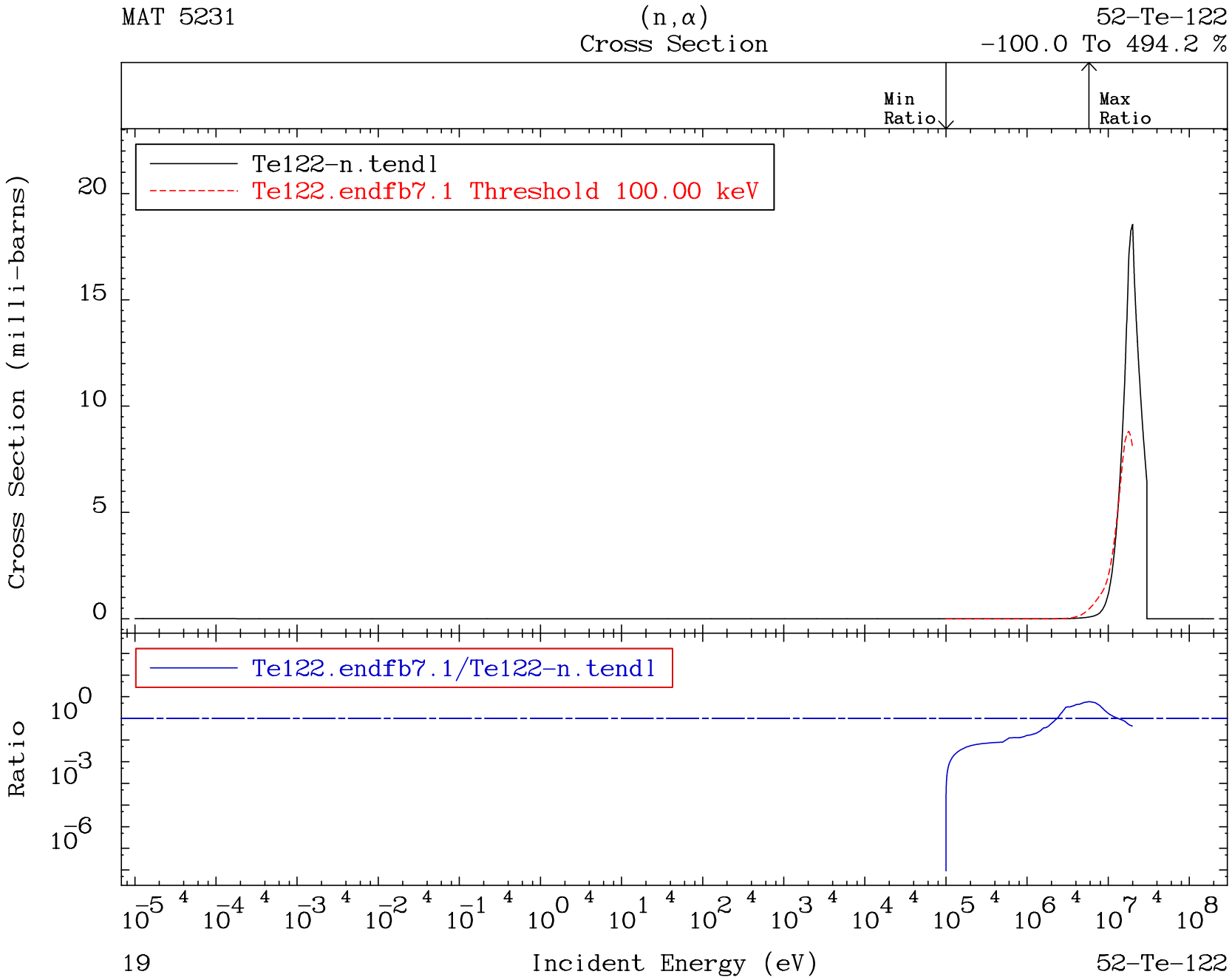

MAT 5231
(n,γ)
Cross Section
52-Te-122
-99.42 To 9999. %
Min Ratio
Max Ratio
Te122-n.tendl
Te122.endfb7.1
Cross Section (barns)
Te122.endfb7.1/Te122-n.tendl
Ratio
Incident Energy (eV)
14
52-Te-122

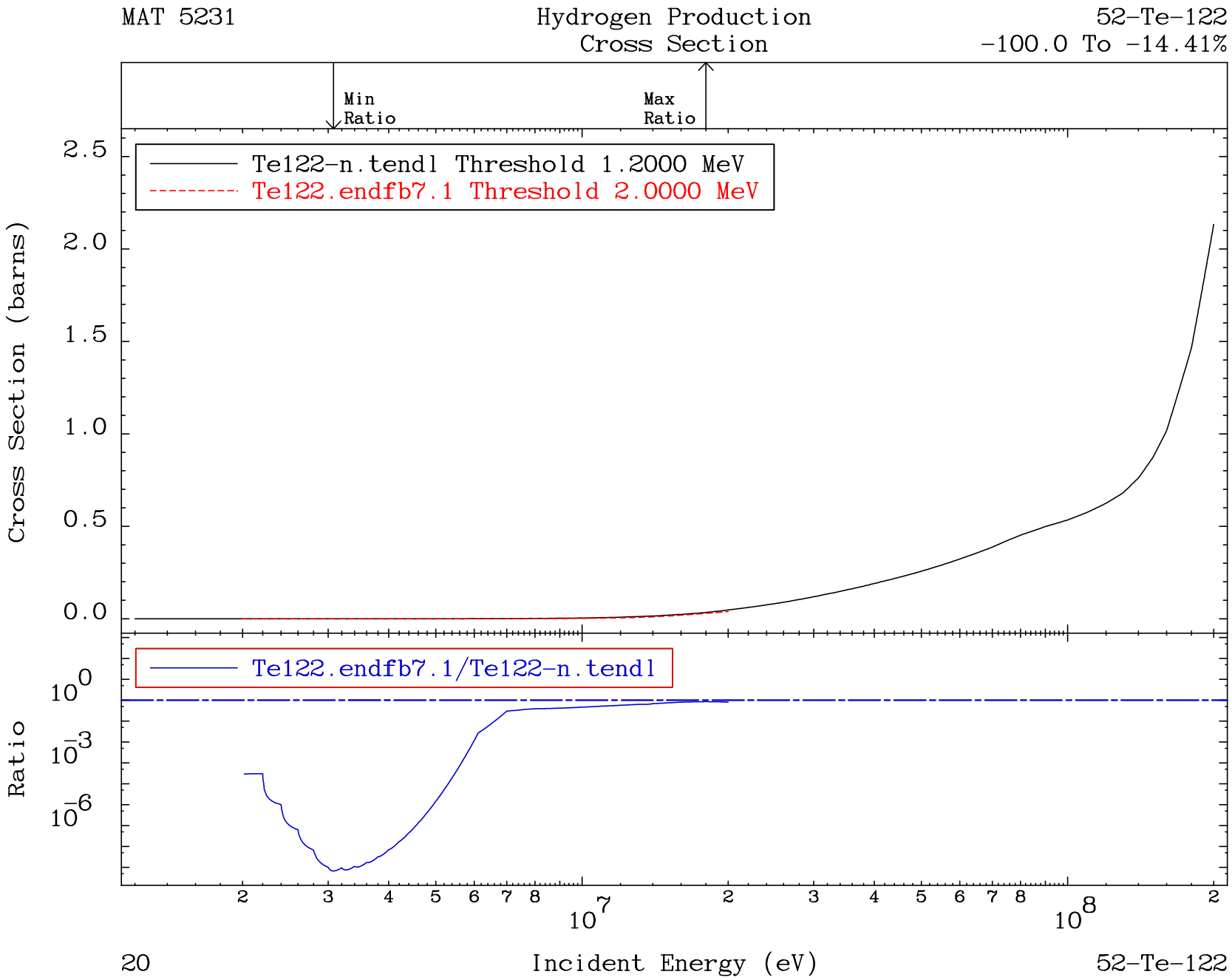

MAT 5231
(n,p)
Cross Section
52-Te-122
-100.0 To -23.86%
Min Ratio
Max Ratio
Te122-n.tendl Threshold 1.2084 MeV
Te122.endfb7.1 Threshold 2.0000 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
Te122.endfb7.1/Te122-n.tendl
Ratio
10^0
10^-3
10^-6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
52-Te-122

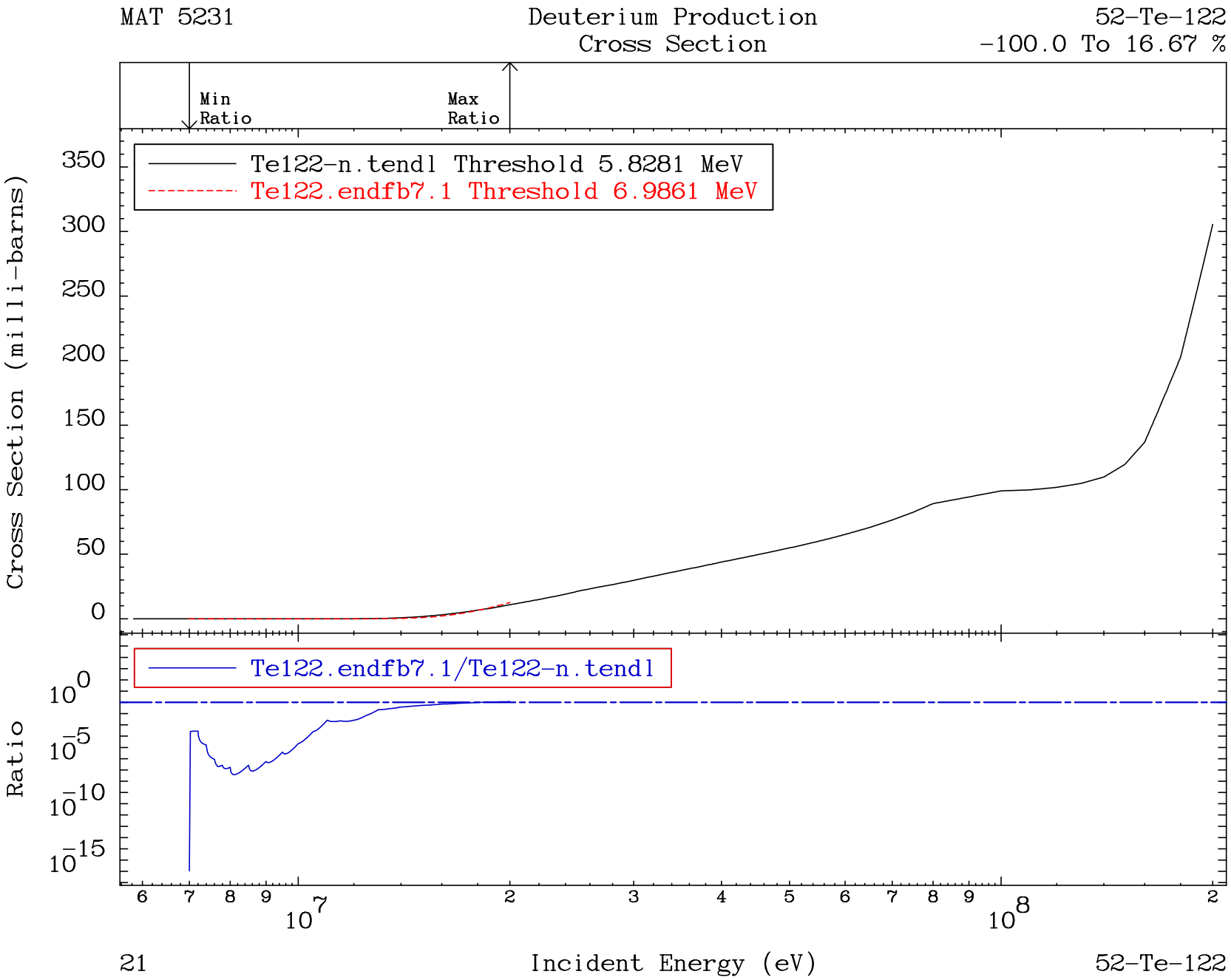

MAT 5231
(n,d)
Cross Section
52-Te-122
-100.0 To 16.69 %
Min Ratio
Max Ratio
Te122-n.tendl Threshold 5.8281 MeV
Te122.endfb7.1 Threshold 7.0000 MeV
Cross Section (milli-barns)
Te122.endfb7.1/Te122-n.tendl
Ratio
Incident Energy (eV)
16
52-Te-122

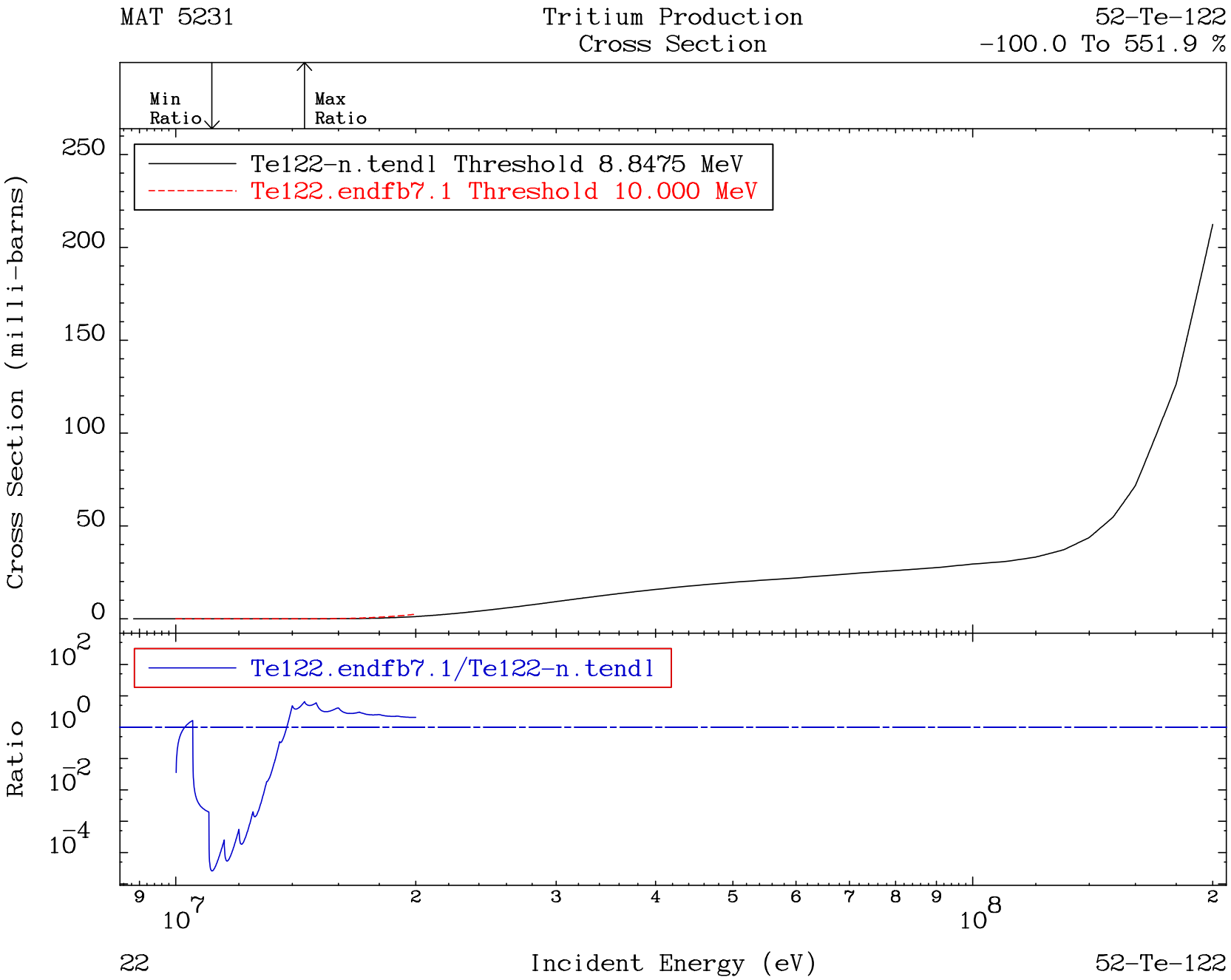

MAT 5231
(n,t)
Cross Section
52-Te-122
-100.0 To 551.9 %
Min Ratio
Max Ratio
Te122-n.tendl Threshold 8.8475 MeV
Te122.endfb7.1 Threshold 10.000 MeV
Cross Section (milli-barns)
Te122.endfb7.1/Te122-n.tendl
Ratio
Incident Energy (eV)
17
52-Te-122

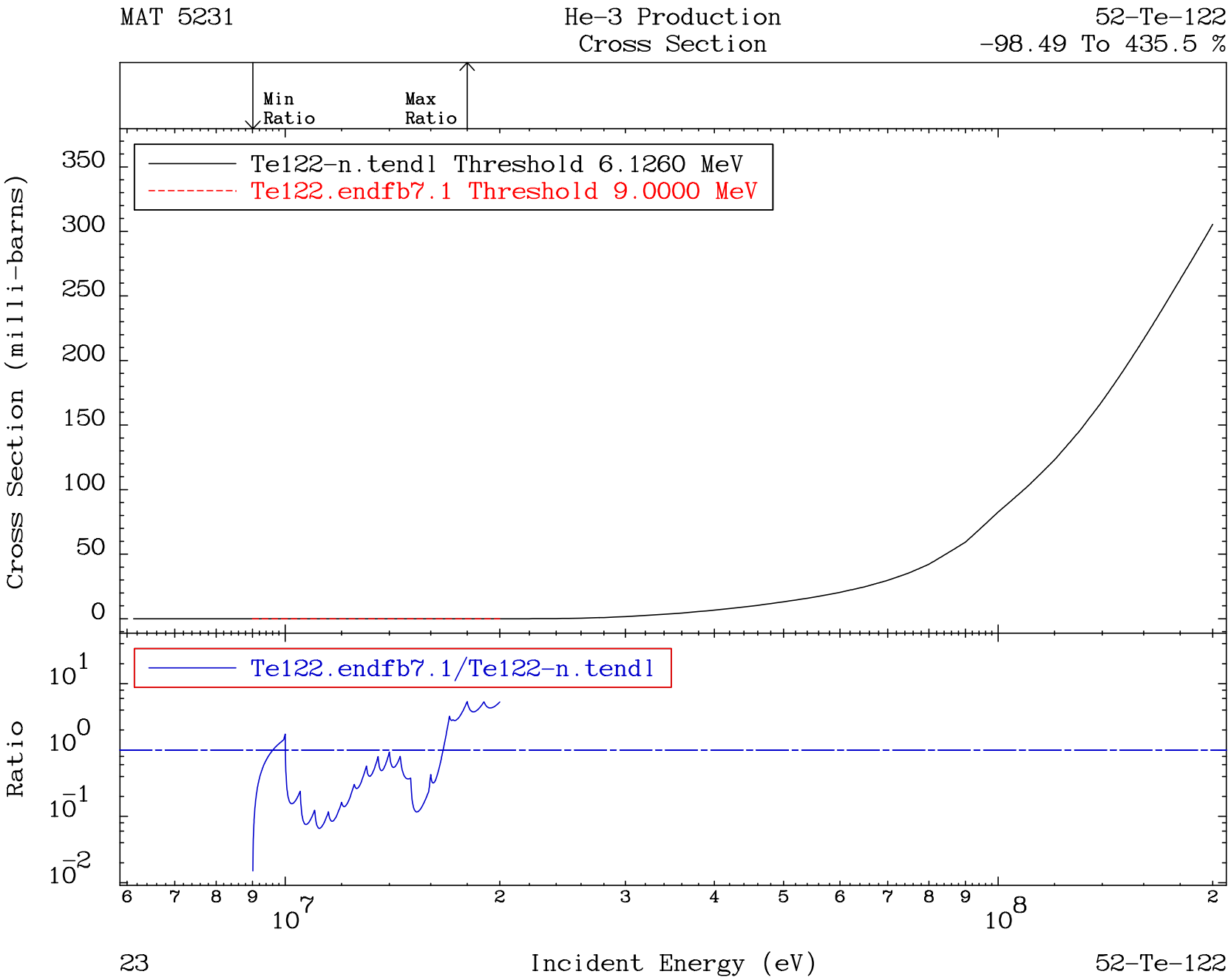

MAT 5231
(n,He-3)
Cross Section
52-Te-122
-98.49 To 435.5 %
Min Ratio
Max Ratio
Te122-n.tendl Threshold 6.1260 MeV
Te122.endfb7.1 Threshold 9.0000 MeV
Cross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
Te122.endfb7.1/Te122-n.tendl
Ratio
10^1
10^0
10^-1
10^-2
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
18
Incident Energy (eV)
52-Te-122

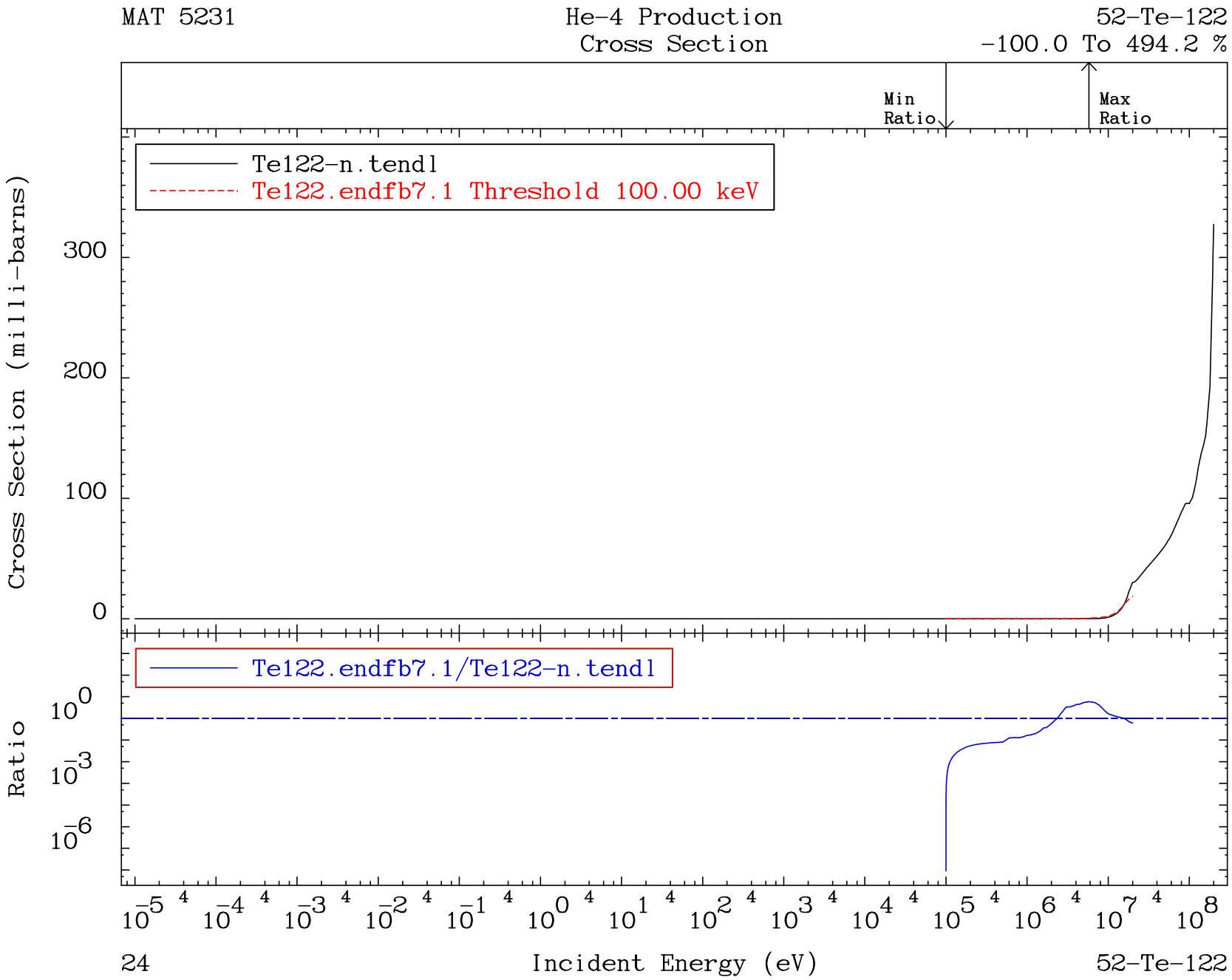

MAT 5231
(n,α)
Cross Section
52-Te-122
-100.0 To 494.2 %
Min Ratio
Max Ratio
Te122-n.tendl
Te122.endfb7.1 Threshold 100.00 keV
Cross Section (milli-barns)
20
15
10
5
0
Te122.endfb7.1/Te122-n.tendl
Ratio
10^0
10^-3
10^-6
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
19
Incident Energy (eV)
52-Te-122

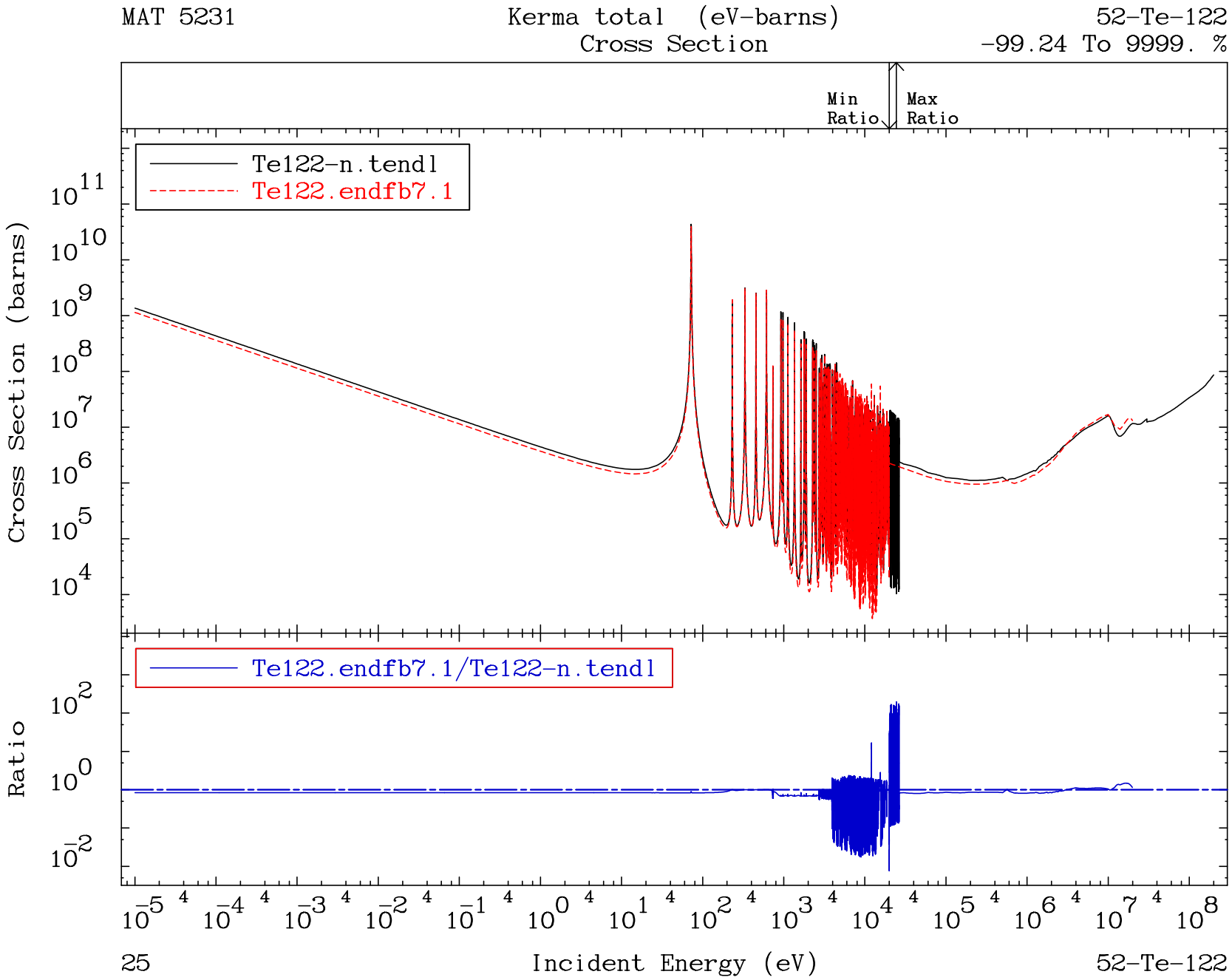

MAT 5231
Hydrogen Production
Cross Section
52-Te-122
-100.0 To -14.41%
Min Ratio
Max Ratio
Te122-n.tendl Threshold 1.2000 MeV
Te122.endfb7.1 Threshold 2.0000 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
Te122.endfb7.1/Te122-n.tendl
Ratio
10^0
10^-3
10^-6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
20
Incident Energy (eV)
52-Te-122

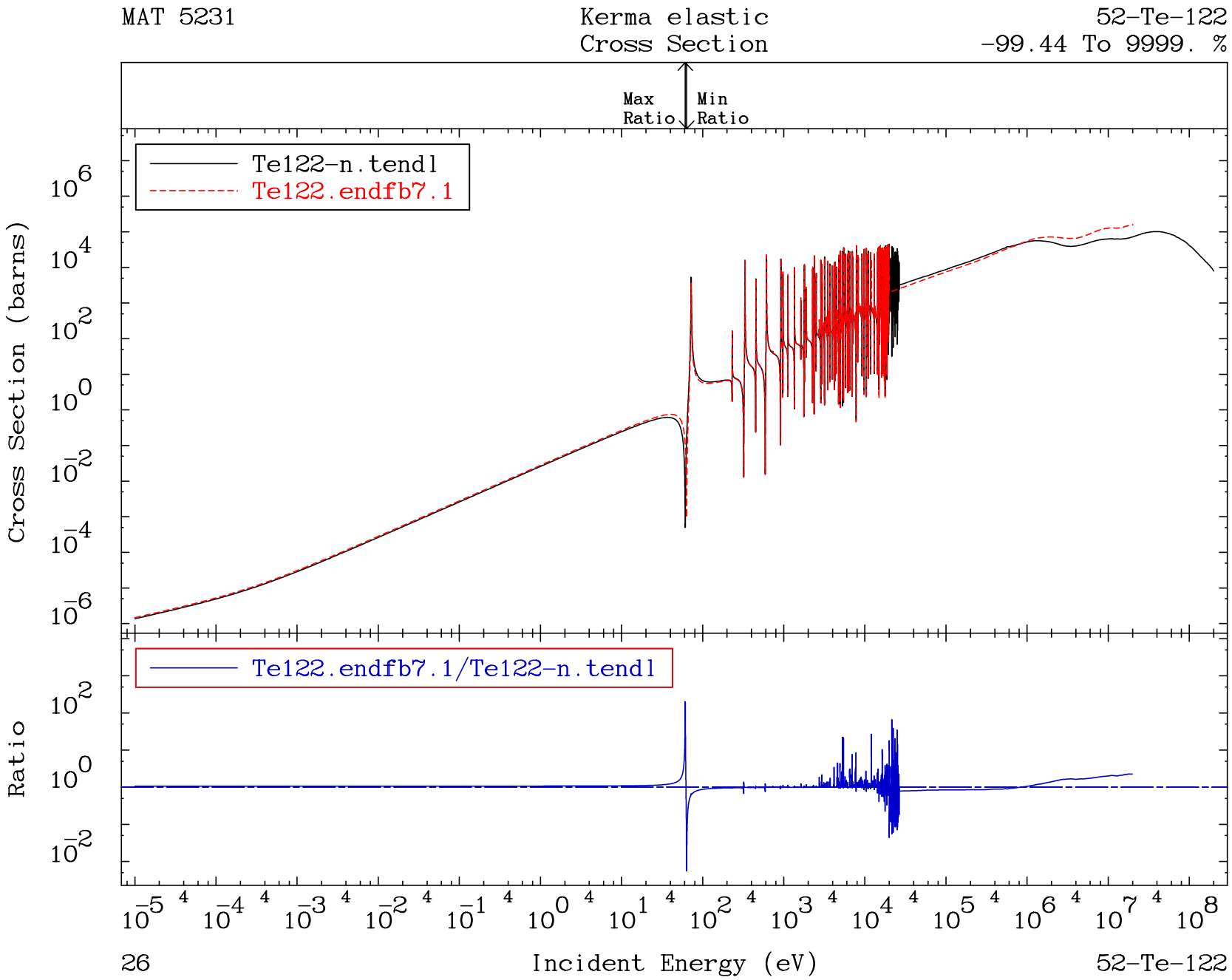

MAT 5231
Deuterium Production
Cross Section
52-Te-122
-100.0 To 16.67 %
Min Ratio
Max Ratio
Te122-n.tendl Threshold 5.8281 MeV
Te122.endfb7.1 Threshold 6.9861 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
Te122.endfb7.1/Te122-n.tendl
Ratio
10^0
10^-5
10^-10
10^-15
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
21
Incident Energy (eV)
52-Te-122

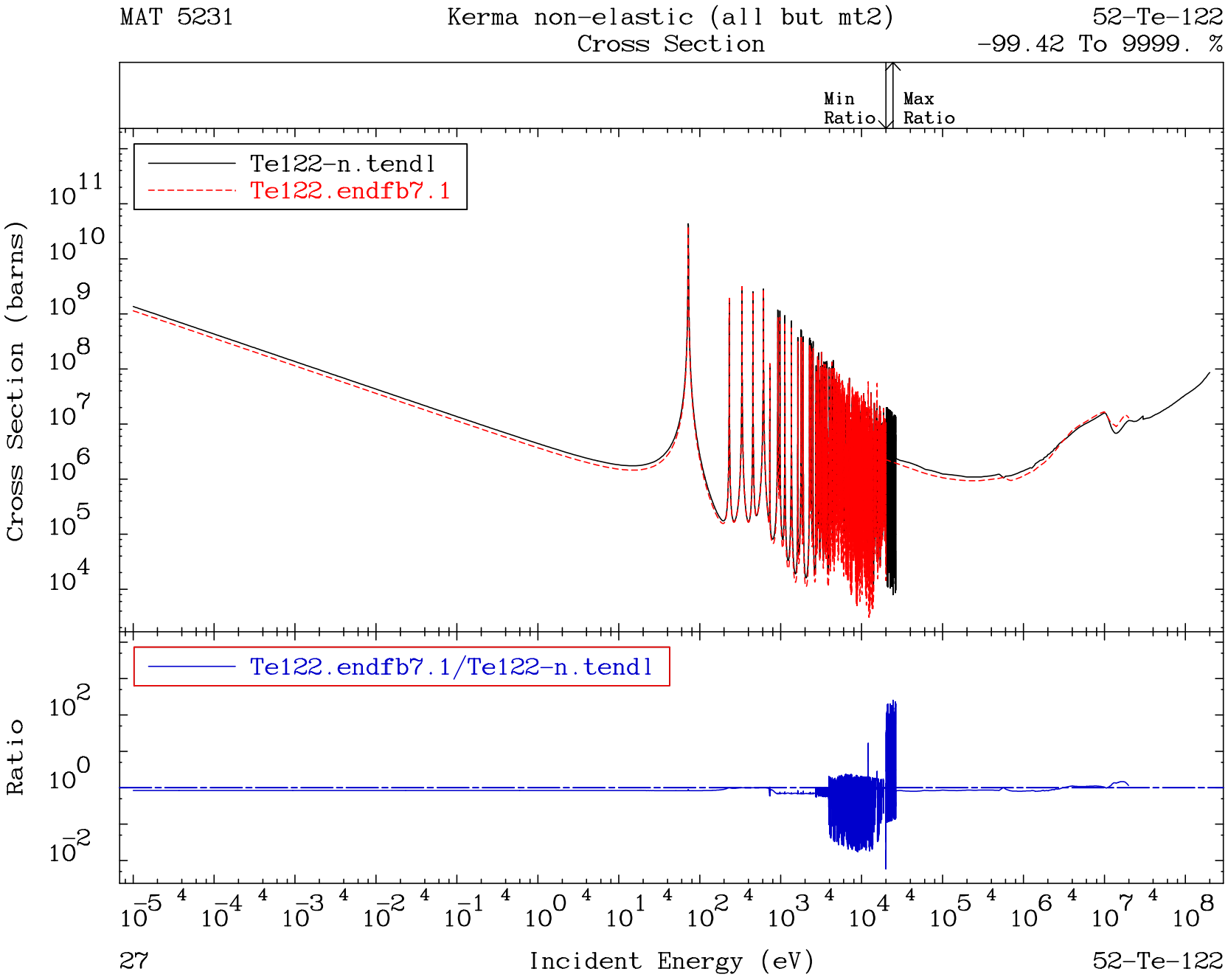

MAT 5231
Tritium Production
Cross Section
52-Te-122
-100.0 To 551.9 %
Min Ratio
Max Ratio
Te122-n.tendl Threshold 8.8475 MeV
Te122.endfb7.1 Threshold 10.000 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
Te122.endfb7.1/Te122-n.tendl
Ratio
10^2
10^0
10^-2
10^-4
9
10^7
2
3
4
5
6
7
8
9
10^8
2
22
Incident Energy (eV)
52-Te-122

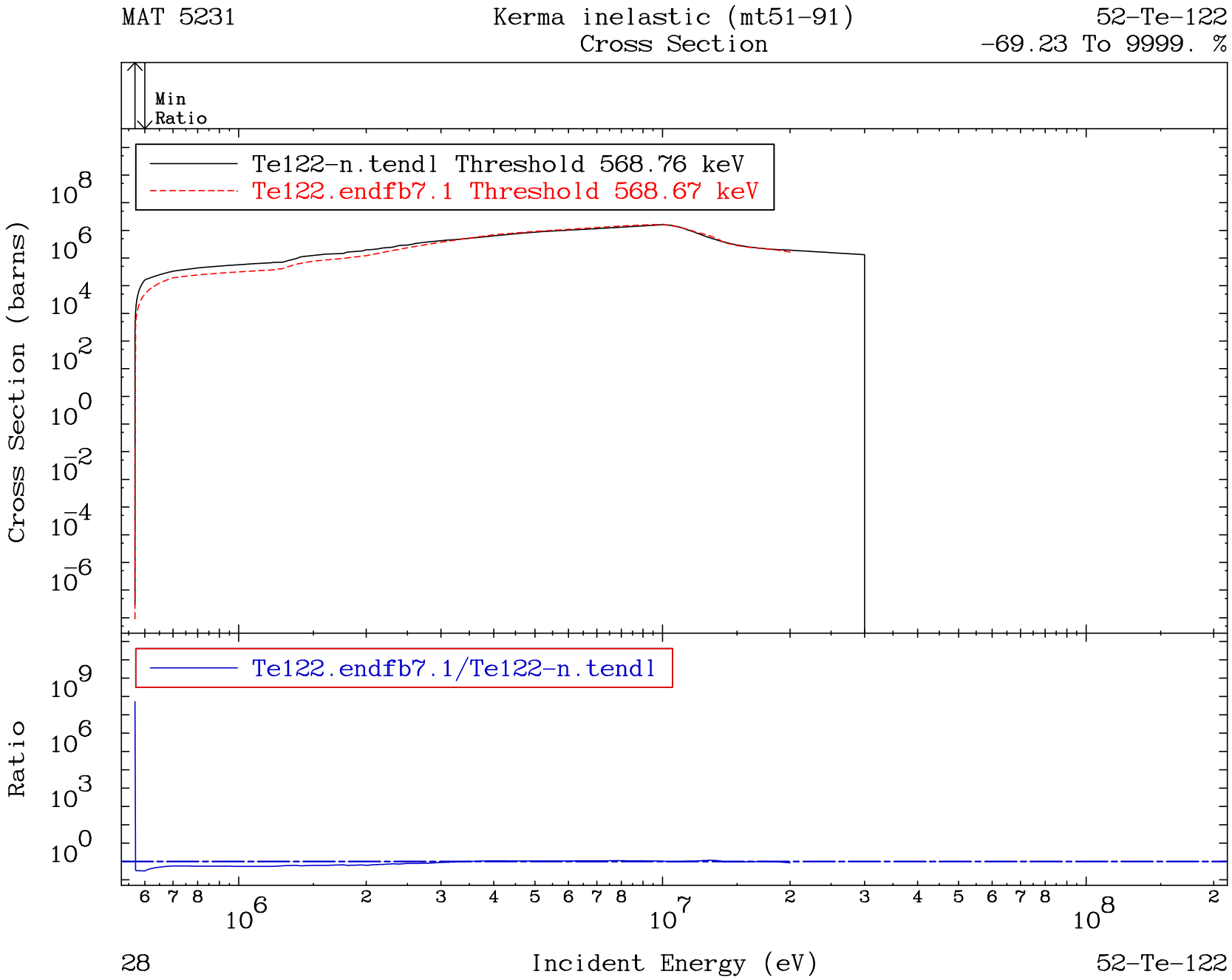

MAT 5231
He-3 Production
Cross Section
52-Te-122
-98.49 To 435.5 %
Min Ratio
Max Ratio
Te122-n.tendl Threshold 6.1260 MeV
Te122.endfb7.1 Threshold 9.0000 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
Te122.endfb7.1/Te122-n.tendl
Ratio
10^1
10^0
10^-1
10^-2
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
23
Incident Energy (eV)
52-Te-122

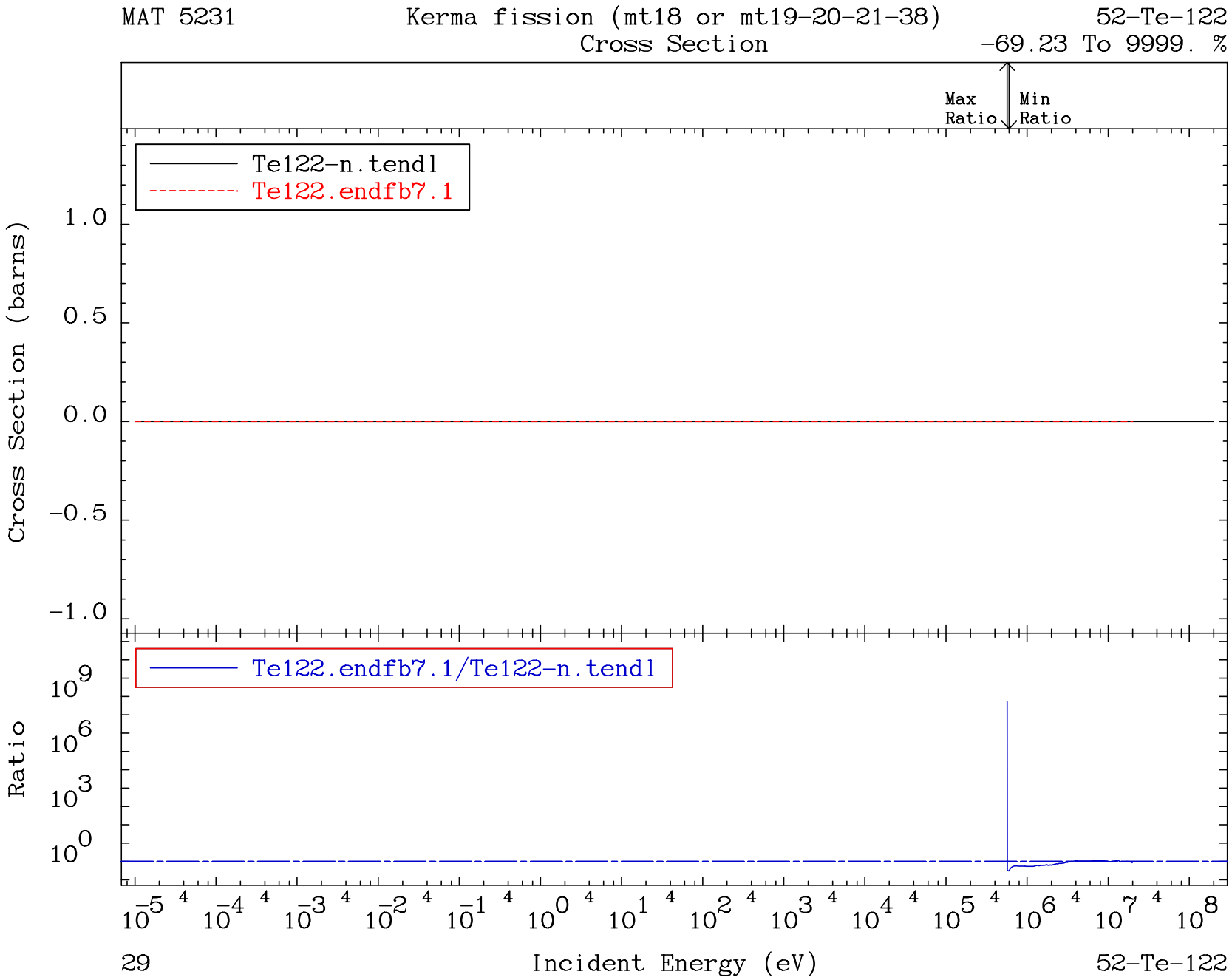

MAT 5231
He-4 Production
Cross Section
52-Te-122
-100.0 To 494.2 %
Min Ratio
Max Ratio
Te122-n.tendl
Te122.endfb7.1 Threshold 100.00 keV
Cross Section (milli-barns)
300
200
100
0
Te122.endfb7.1/Te122-n.tendl
Ratio
10^0
10^-3
10^-6
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
24
Incident Energy (eV)
52-Te-122

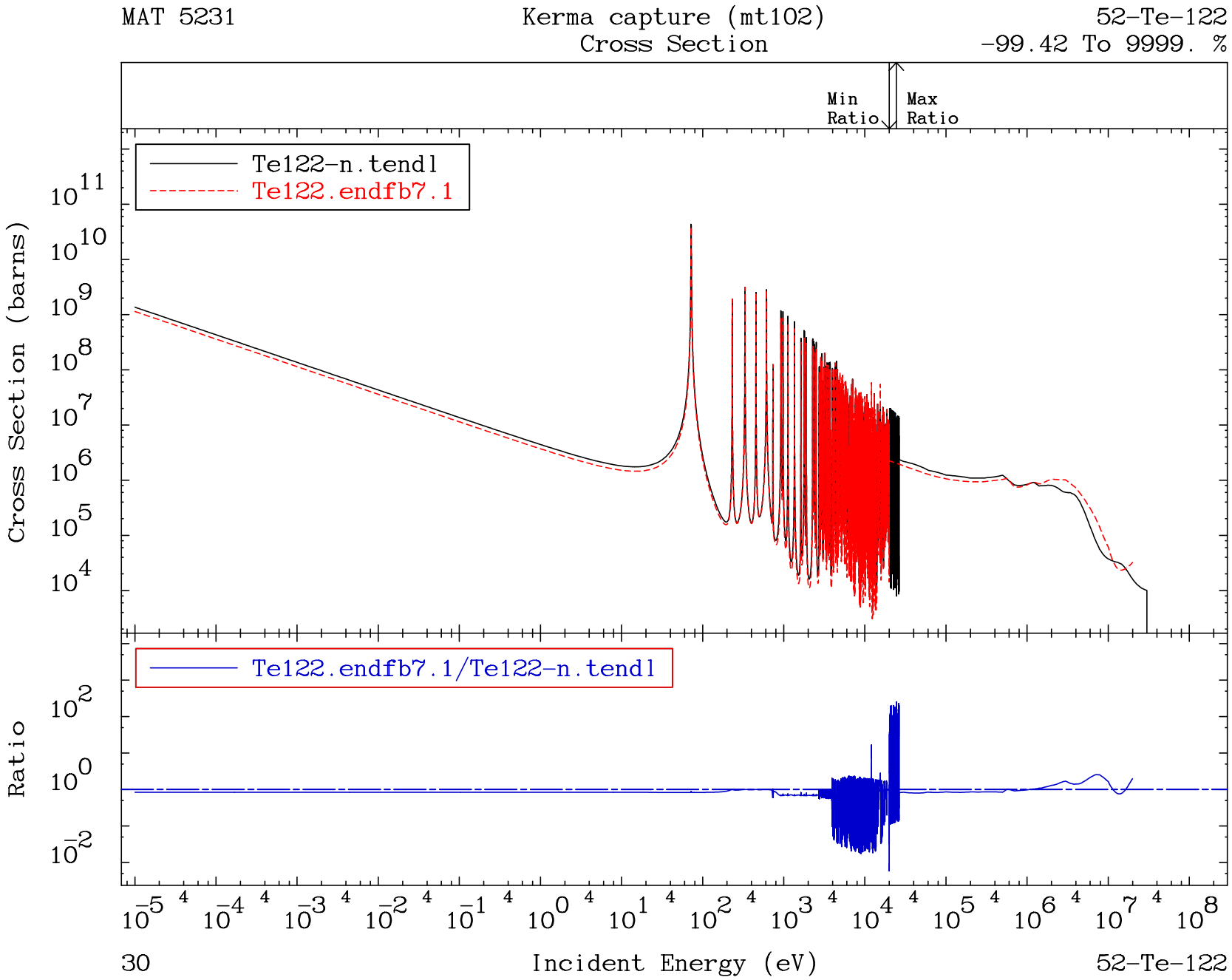

MAT 5231
Kerma total (eV-barns)
Cross Section
52-Te-122
-99.24 To 9999. %
Min Ratio
Max Ratio
Te122-n.tendl
Te122.endfb7.1
Cross Section (barns)
Te122.endfb7.1/Te122-n.tendl
Ratio
Incident Energy (eV)
25
52-Te-122

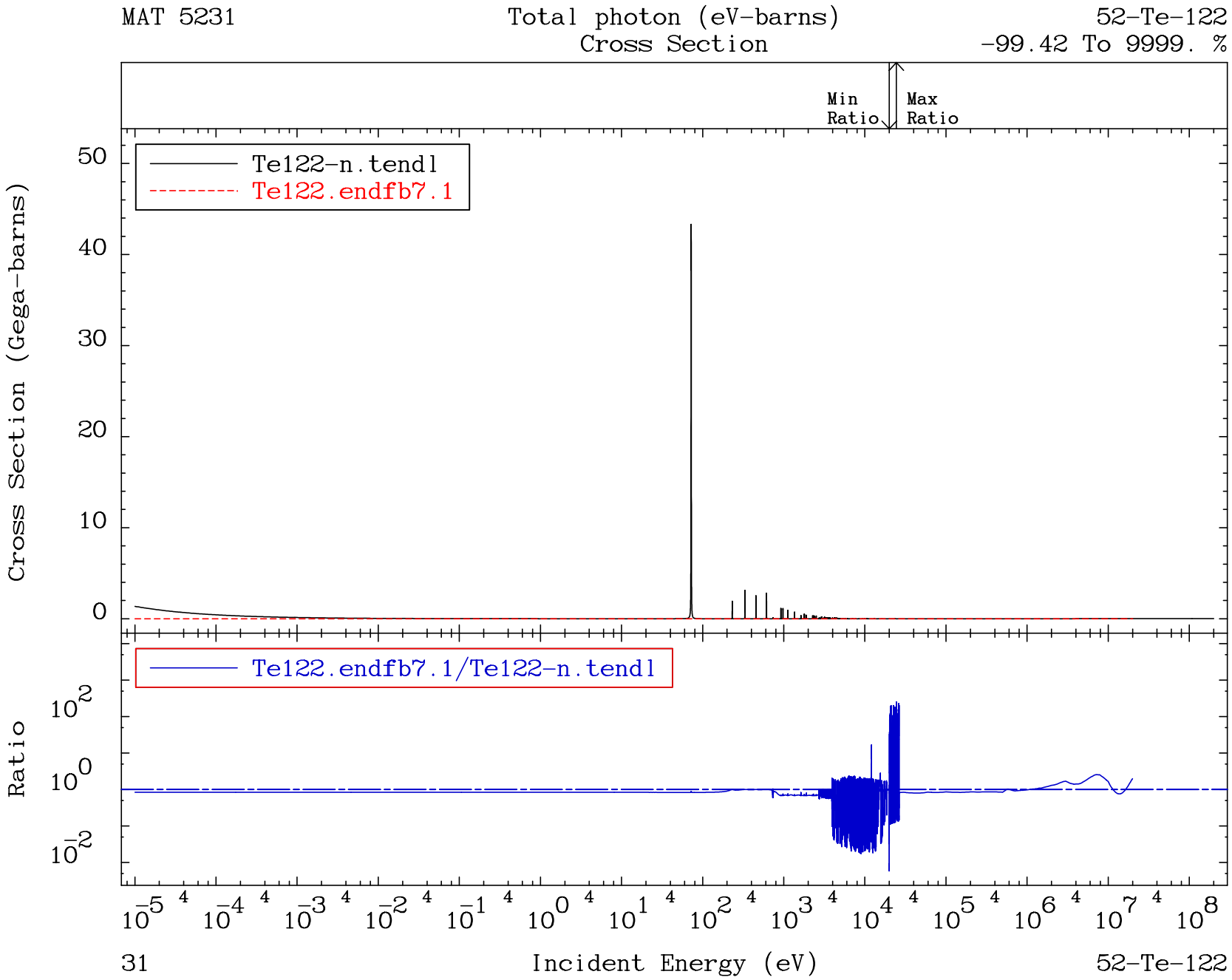

MAT 5231
Kerma elastic
Cross Section
52-Te-122
-99.44 To 9999. %
Max Ratio
Min Ratio
Te122-n.tendl
Te122.endfb7.1
Cross Section (barns)
Te122.endfb7.1/Te122-n.tendl
Ratio
Incident Energy (eV)
26
52-Te-122

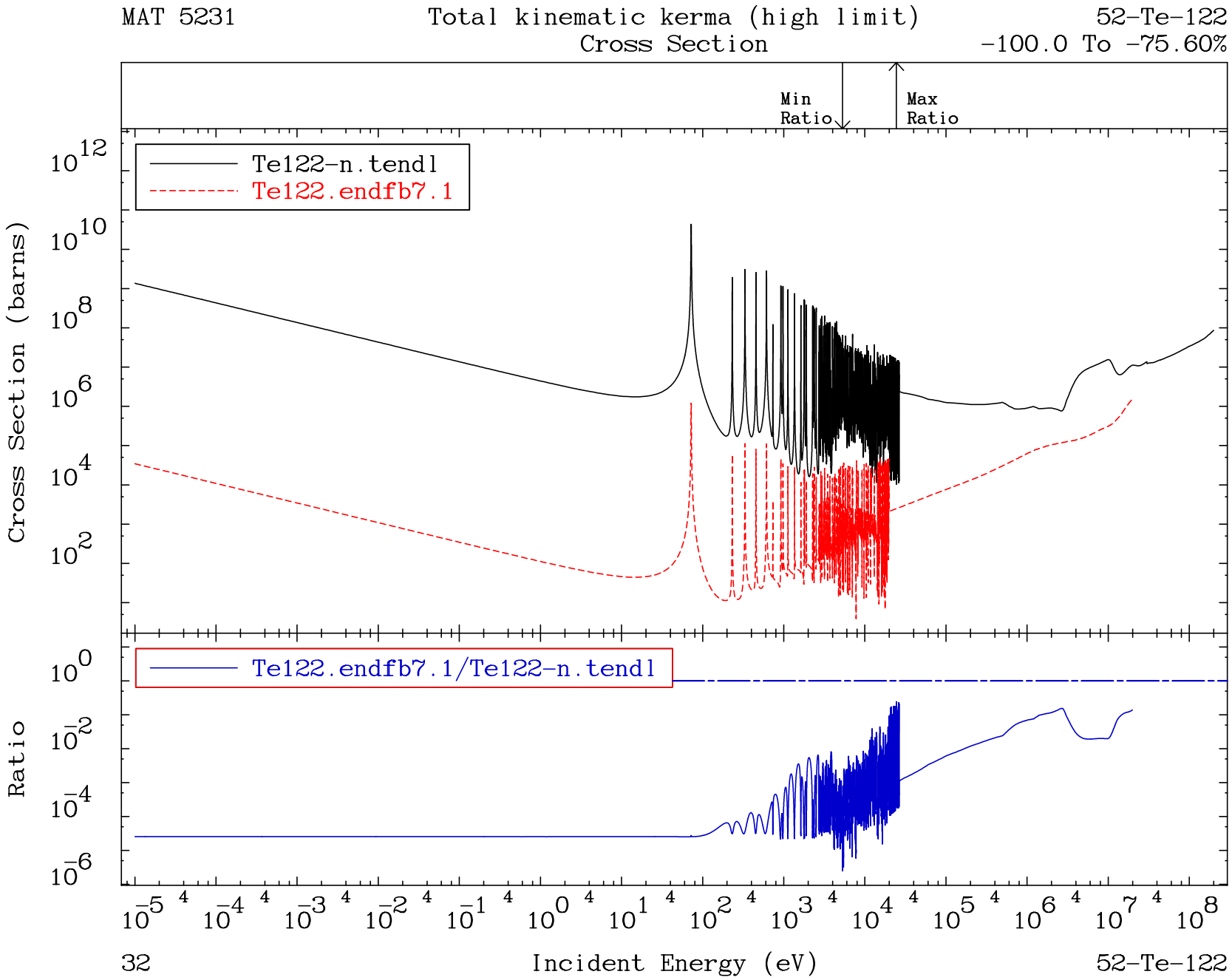

MAT 5231
Kerma non-elastic (all but mt2)
Cross Section
52-Te-122
-99.42 To 9999. %
Min Ratio
Max Ratio
Te122-n.tendl
Te122.endfb7.1
Cross Section (barns)
Te122.endfb7.1/Te122-n.tendl
Ratio
Incident Energy (eV)
27
52-Te-122

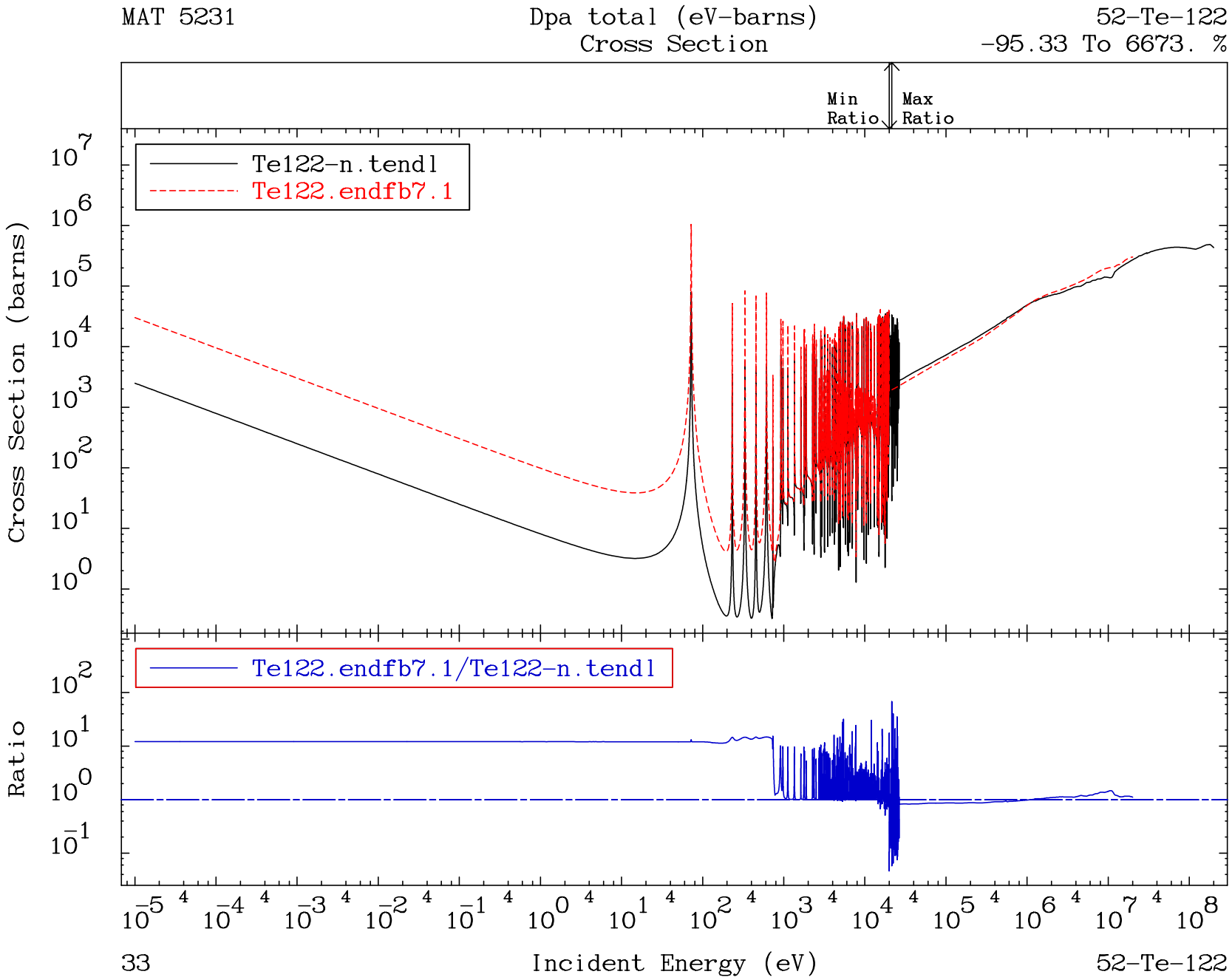

MAT 5231
Kerma inelastic (mt51-91)
Cross Section
52-Te-122
-69.23 To 9999. %
Min
Ratio
Te122-n.tendl Threshold 568.76 keV
Te122.endfb7.1 Threshold 568.67 keV
Cross Section (barns)
Te122.endfb7.1/Te122-n.tendl
Ratio
Incident Energy (eV)
28
52-Te-122

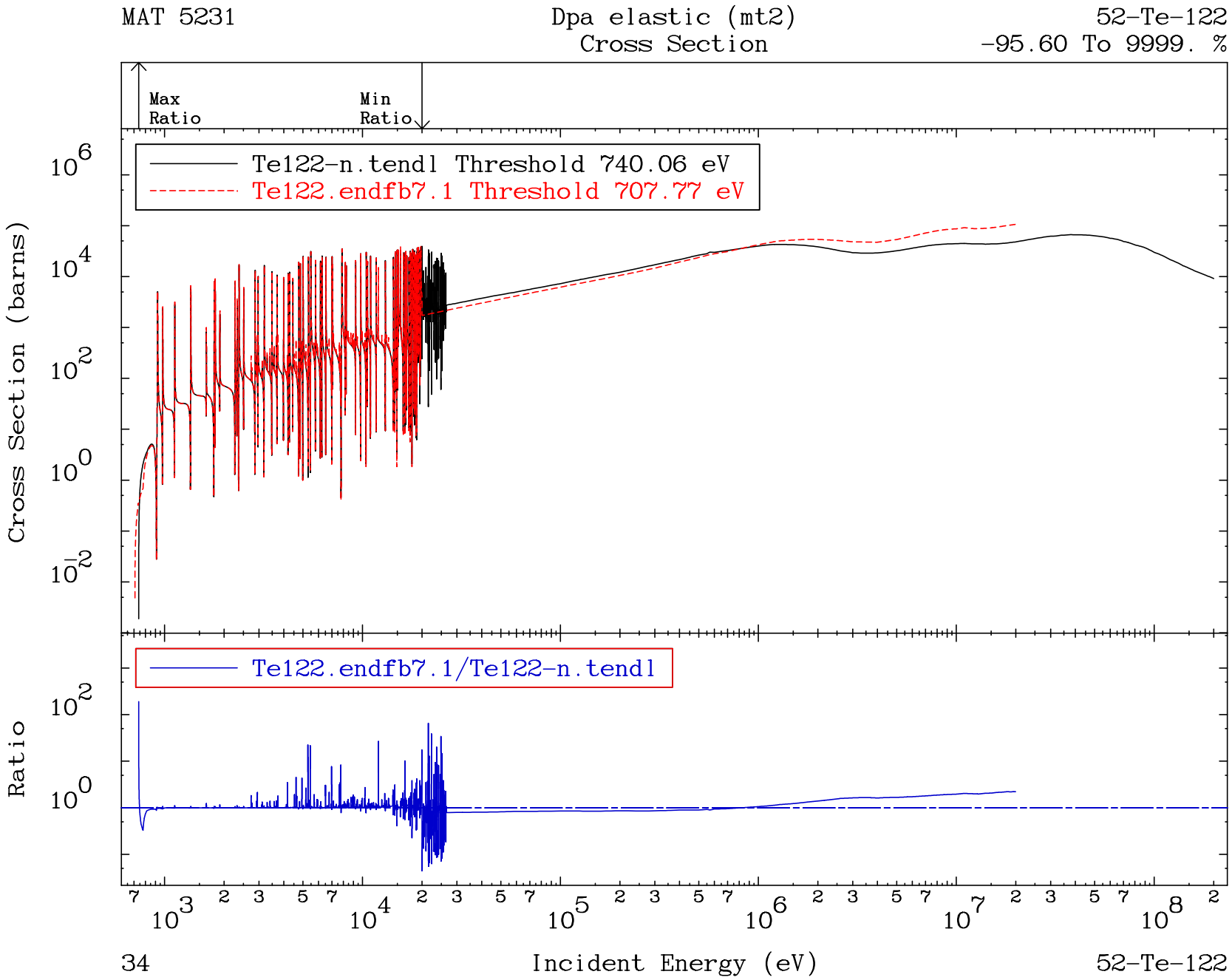

MAT 5231
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
52-Te-122
-69.23 To 9999. %
Max Ratio
Min Ratio
Te122-n.tendl
Te122.endfb7.1
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
Te122.endfb7.1/Te122-n.tendl
Ratio
10^9
10^6
10^3
10^0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
29
Incident Energy (eV)
52-Te-122

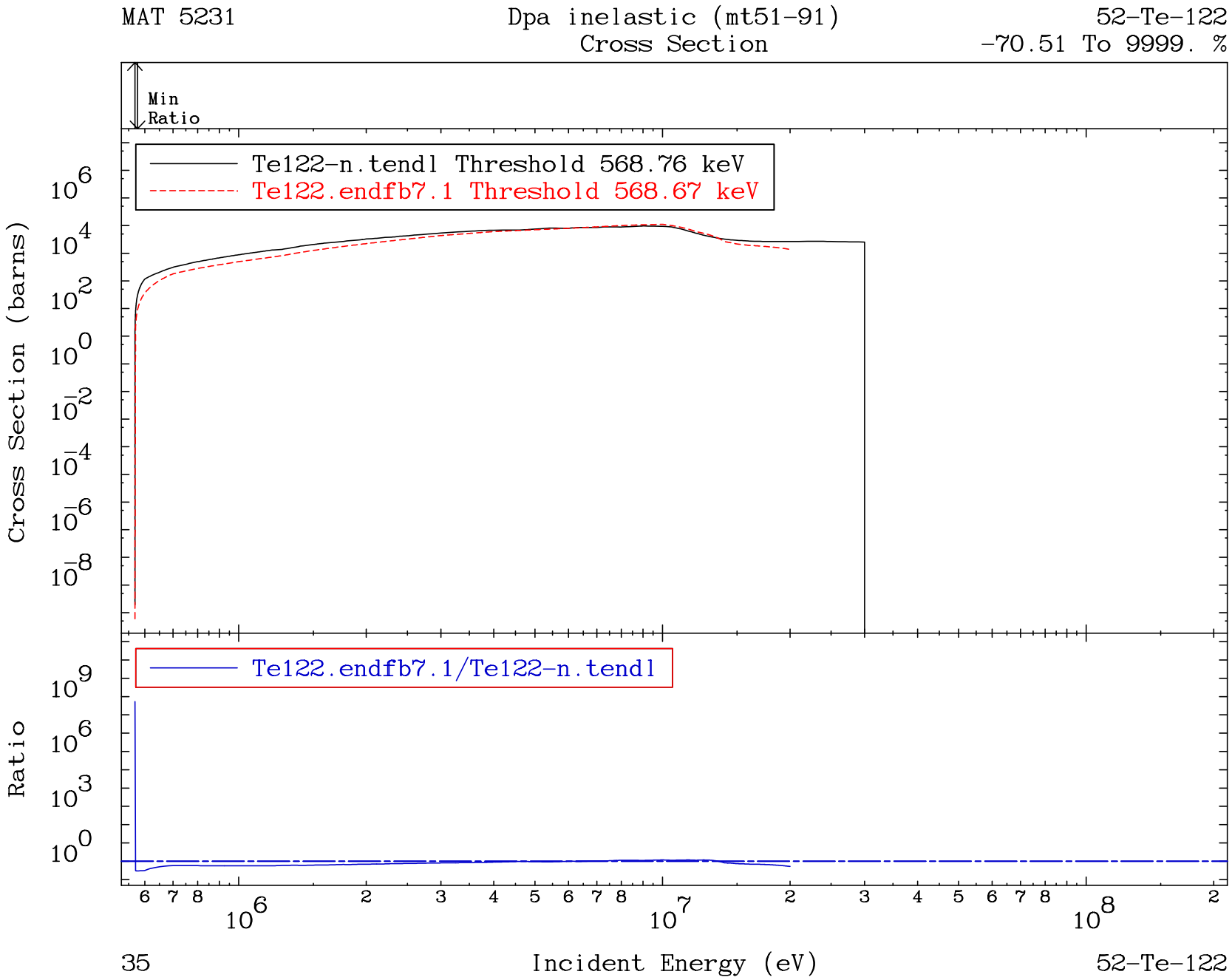

MAT 5231
Kerma capture (mt102)
Cross Section
52-Te-122
-99.42 To 9999. %
Min Ratio
Max Ratio
Te122-n.tendl
Te122.endfb7.1
Cross Section (barns)
Te122.endfb7.1/Te122-n.tendl
Ratio
Incident Energy (eV)
30
52-Te-122

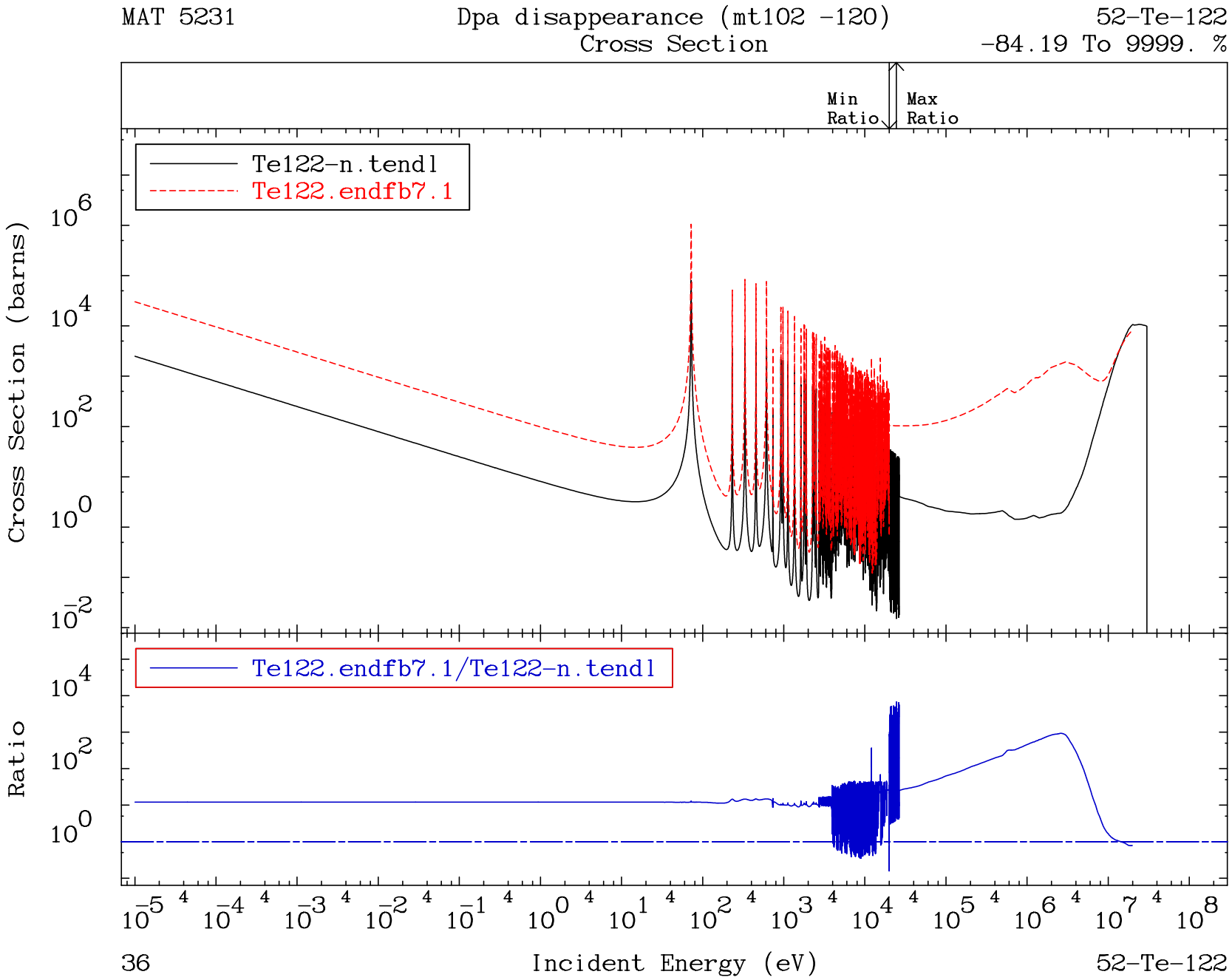

MAT 5231
Total photon (eV-barns)
Cross Section
52-Te-122
-99.42 To 9999. %
Min Ratio
Max Ratio
Te122-n.tendl
Te122.endfb7.1
Cross Section (Gega-barns)
50
40
30
20
10
0
Te122.endfb7.1/Te122-n.tendl
Ratio
10^2
10^0
10^-2
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
31
Incident Energy (eV)
52-Te-122


MAT 5231
Total kinematic kerma (high limit)
Cross Section
52-Te-122
-100.0 To -75.60%
Min Ratio
Max Ratio
Te122-n.tendl
Te122.endfb7.1
Cross Section (barns)
Te122.endfb7.1/Te122-n.tendl
Ratio
Incident Energy (eV)
32
52-Te-122


MAT 5231
Dpa total (eV-barns)
Cross Section
52-Te-122
-95.33 To 6673. %
Min Ratio
Max Ratio
Te122-n.tendl
Te122.endfb7.1
Cross Section (barns)
Te122.endfb7.1/Te122-n.tendl
Ratio
33
Incident Energy (eV)
52-Te-122


MAT 5231
Dpa elastic (mt2)
Cross Section
52-Te-122
-95.60 To 9999. %
Max Ratio
Min Ratio
Te122-n.tendl Threshold 740.06 eV
Te122.endfb7.1 Threshold 707.77 eV
Cross Section (barns)
Te122.endfb7.1/Te122-n.tendl
Ratio
Incident Energy (eV)
34
52-Te-122


MAT 5231
Dpa inelastic (mt51-91)
Cross Section
52-Te-122
-70.51 To 9999. %
Min
Ratio
Te122-n.tendl Threshold 568.76 keV
Te122.endfb7.1 Threshold 568.67 keV
Cross Section (barns)
Te122.endfb7.1/Te122-n.tendl
Ratio
Incident Energy (eV)
35
52-Te-122


MAT 5231
Dpa disappearance (mt102 -120)
Cross Section
52-Te-122
-84.19 To 9999. %
Min Ratio
Max Ratio
Te122-n.tendl
Te122.endfb7.1
Cross Section (barns)
Te122.endfb7.1/Te122-n.tendl
Ratio
Incident Energy (eV)
36
52-Te-122