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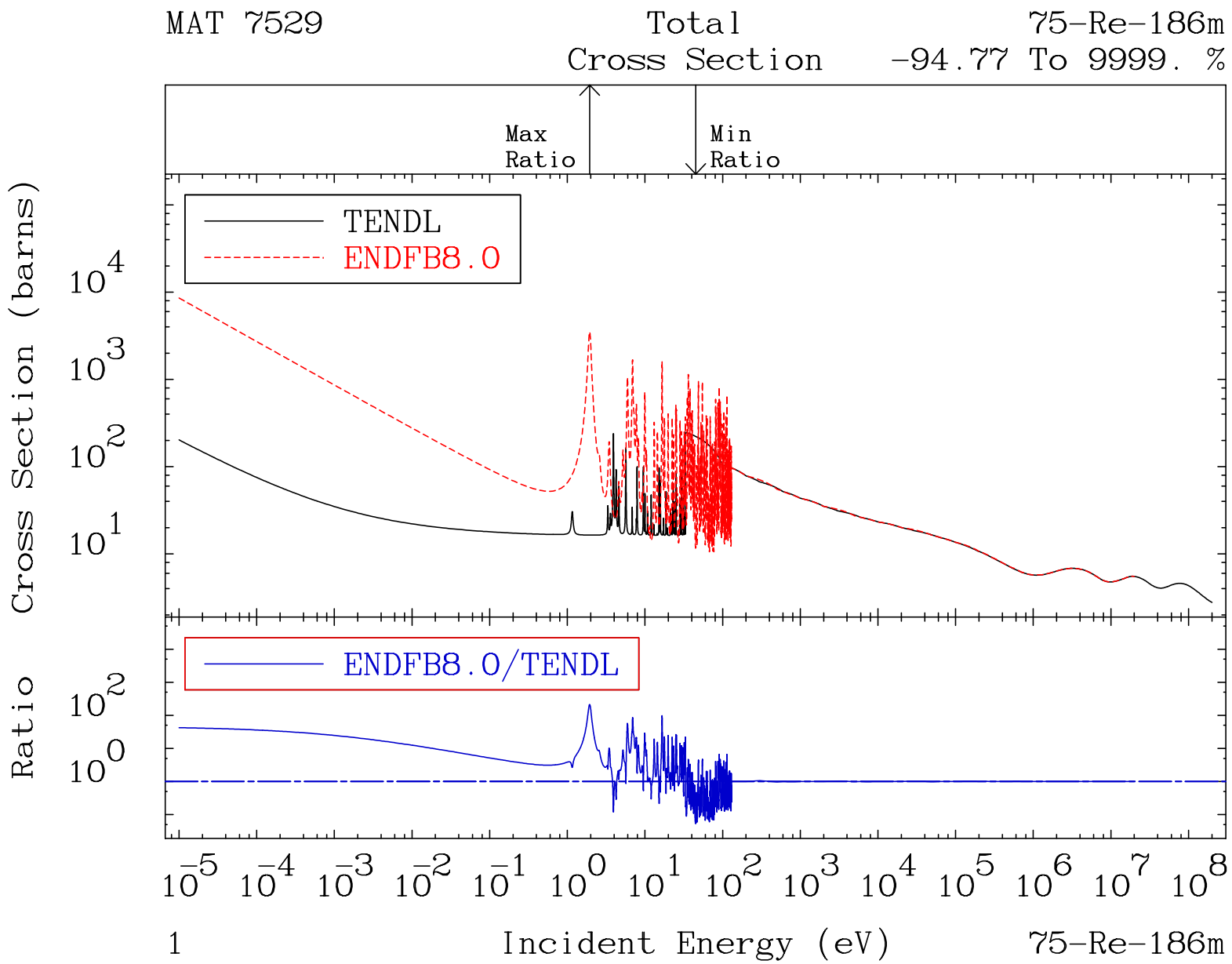
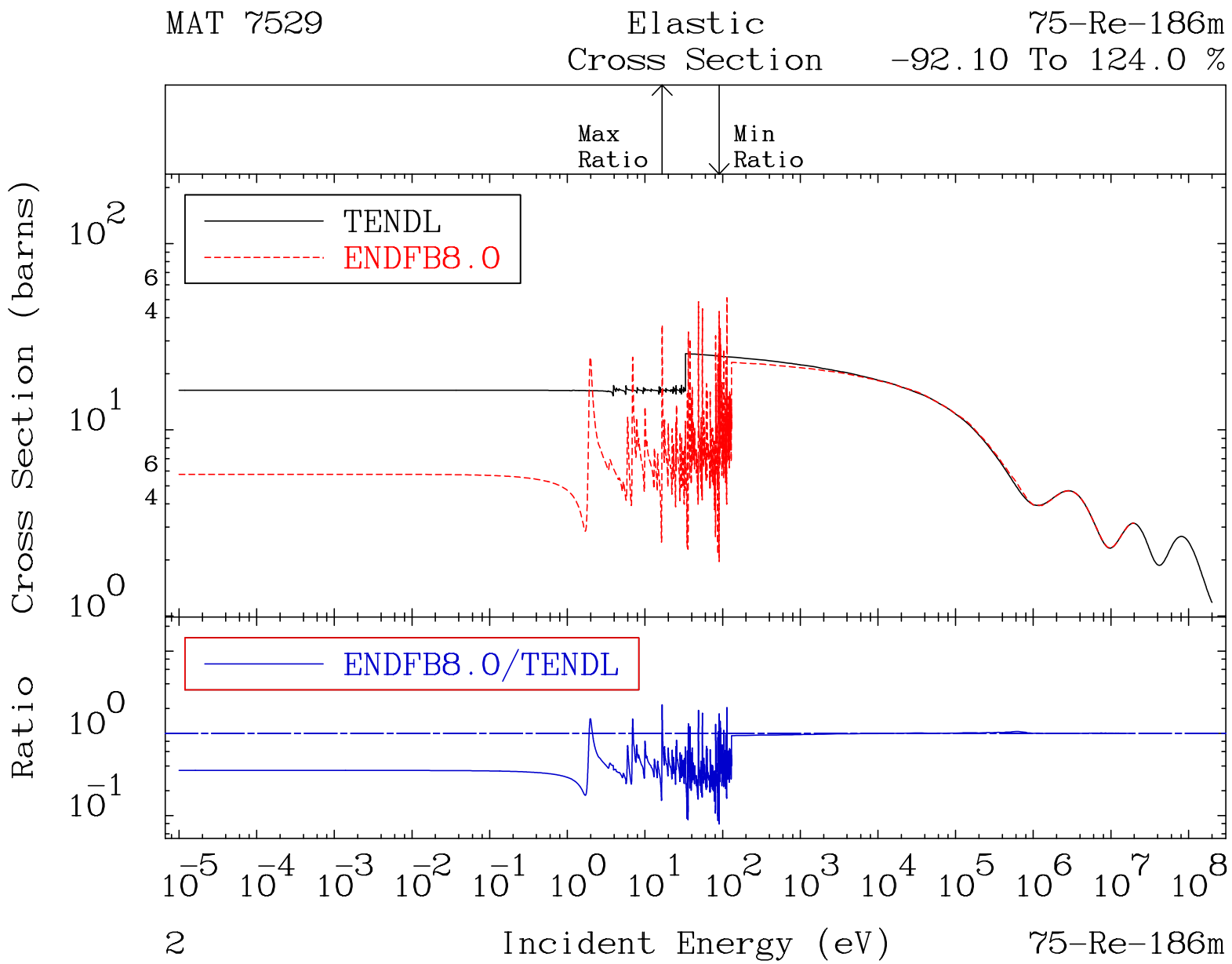
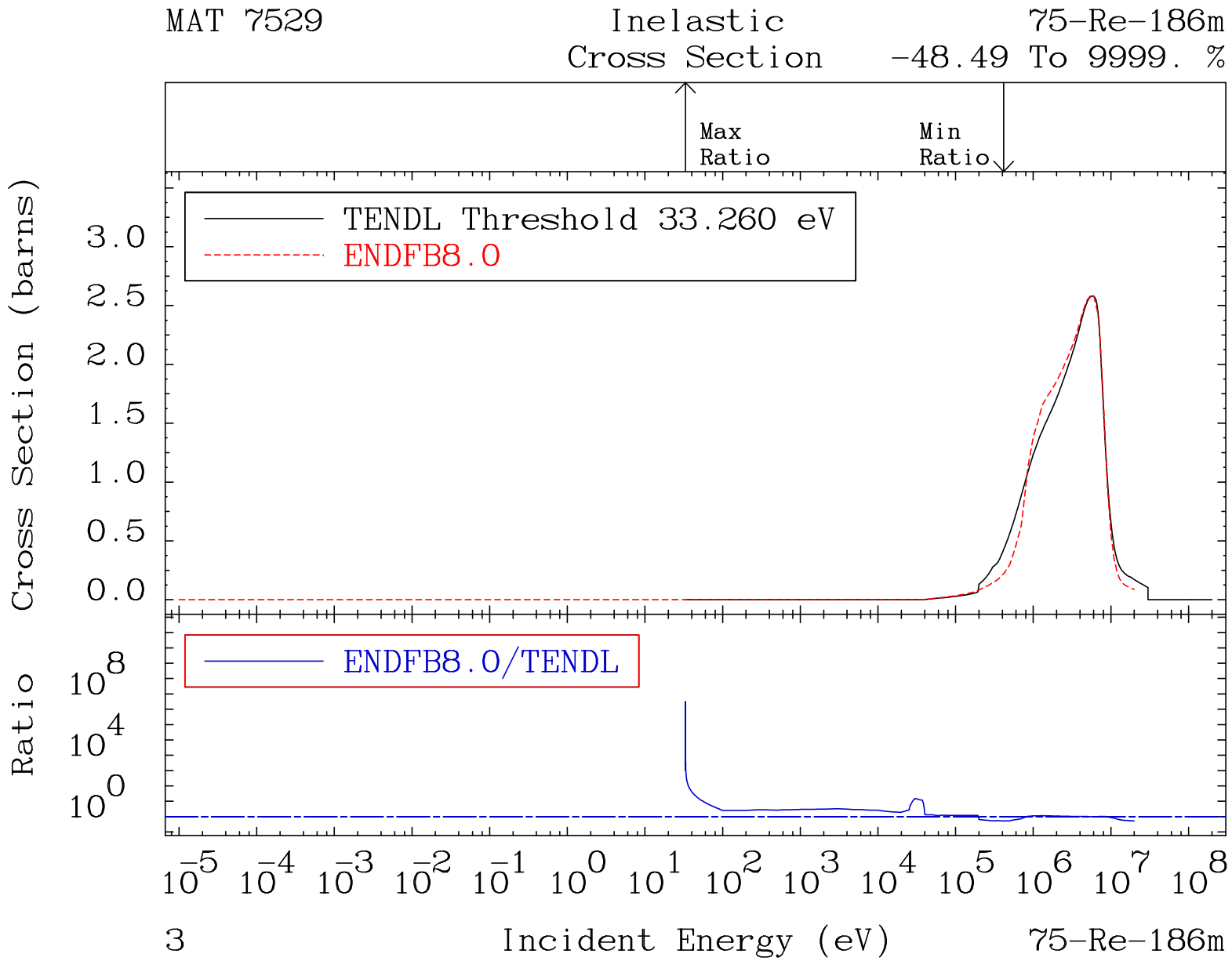
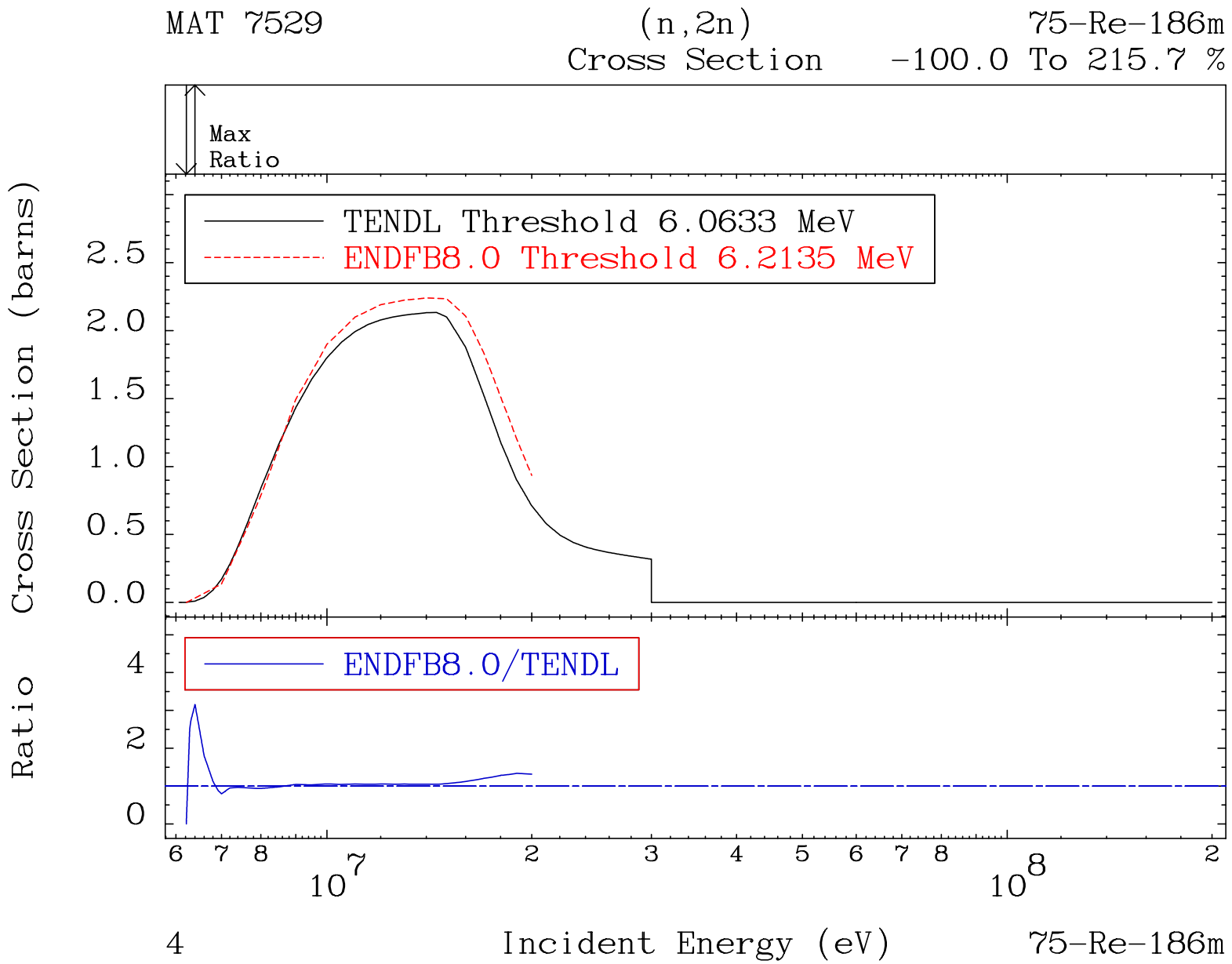
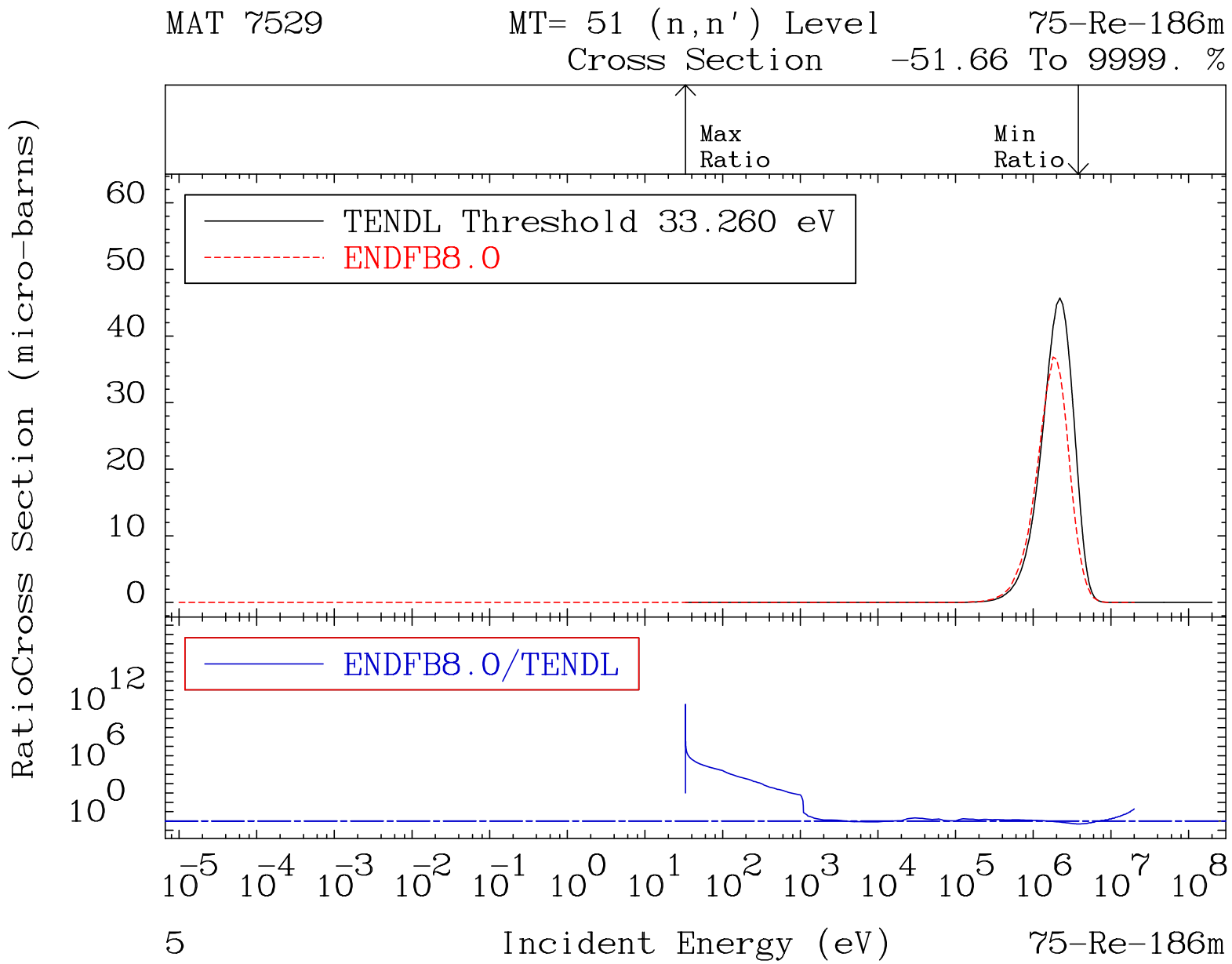
Press Mouse Button to Start

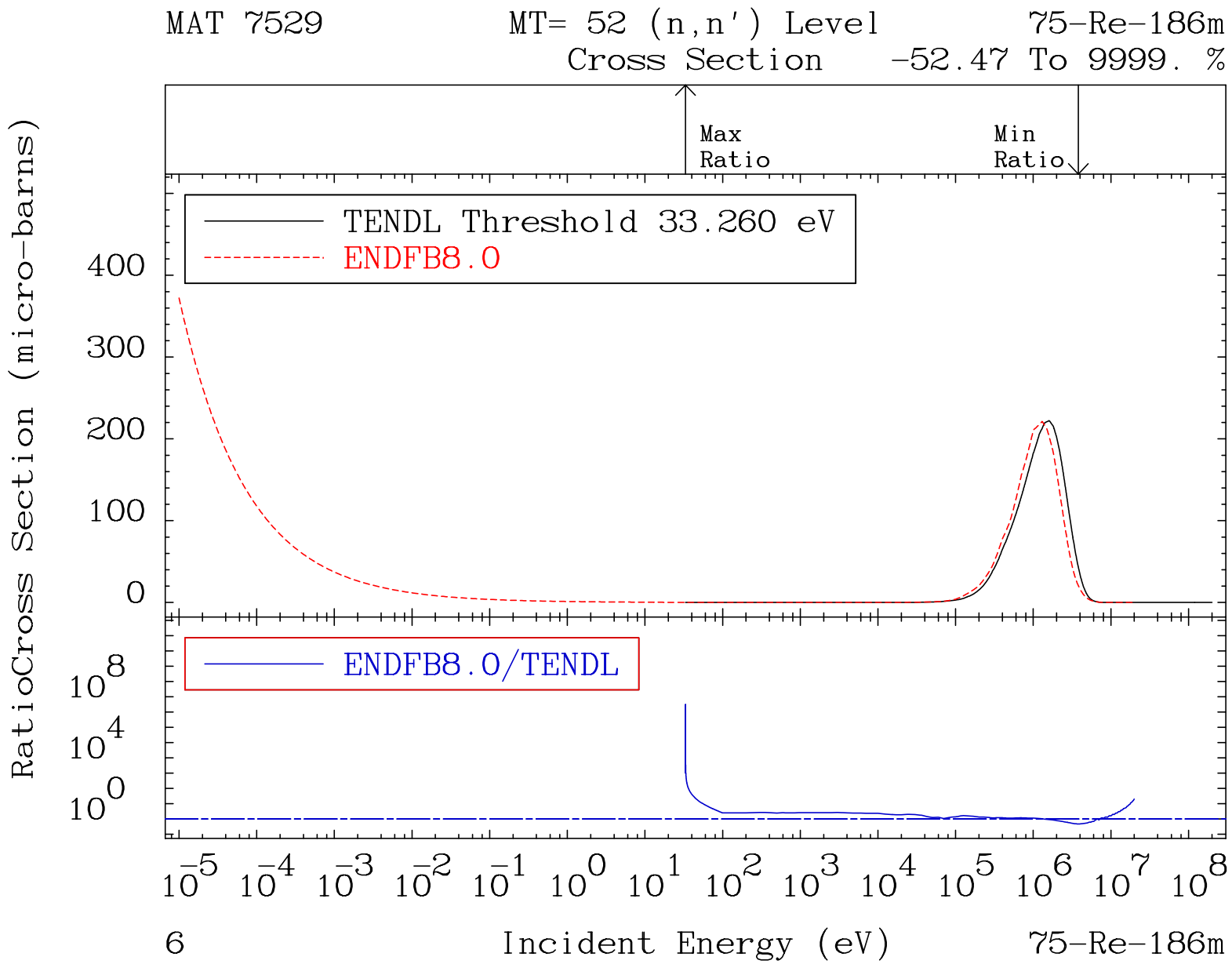

MAT 7529
Total
Cross Section
75-Re-186m
-94.77 To 9999. %
Max
Ratio
Min
Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
75-Re-186m

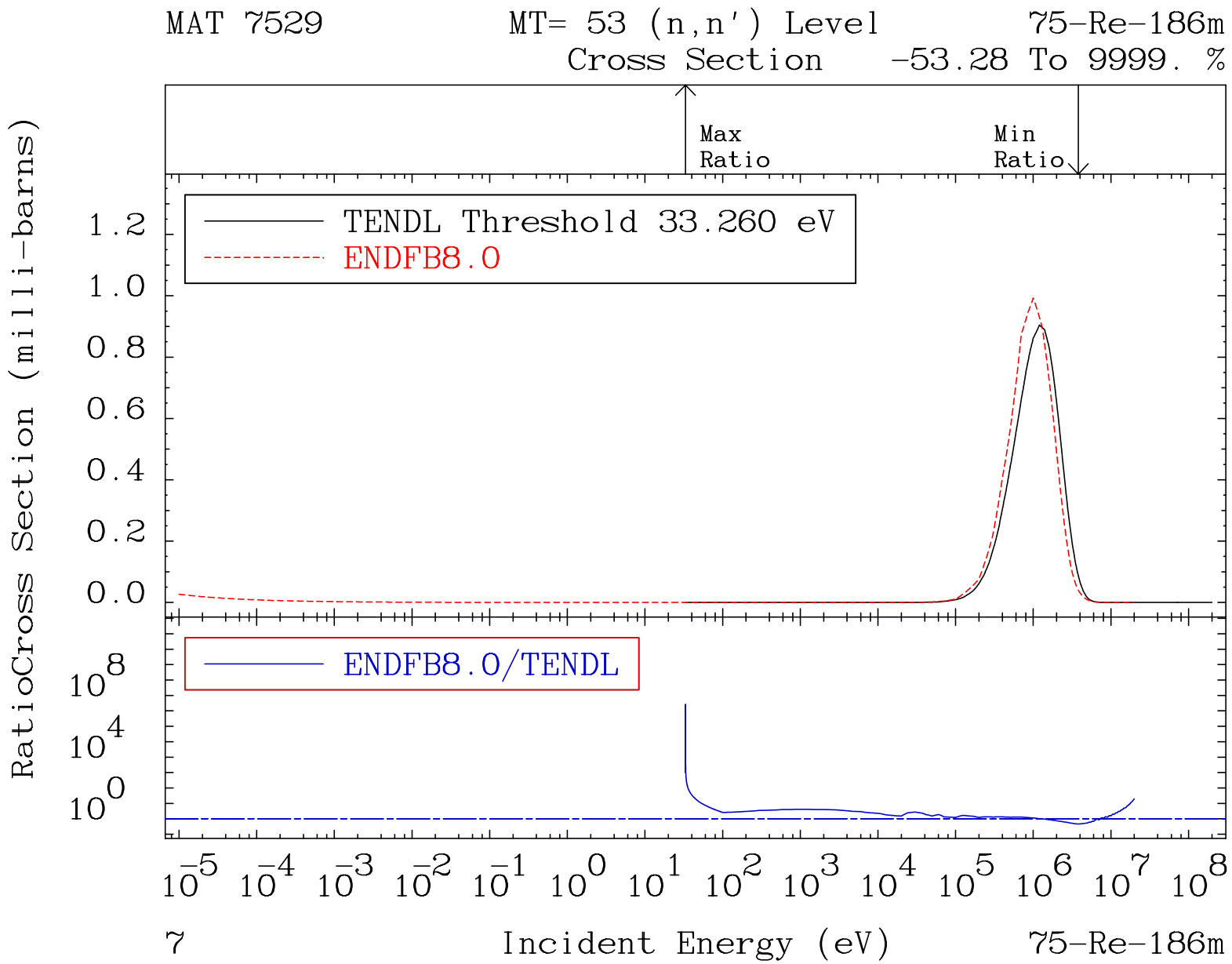

MAT 7529
Elastic
Cross Section
75-Re-186m
-92.10 To 124.0 %
Max
Ratio
Min
Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
75-Re-186m

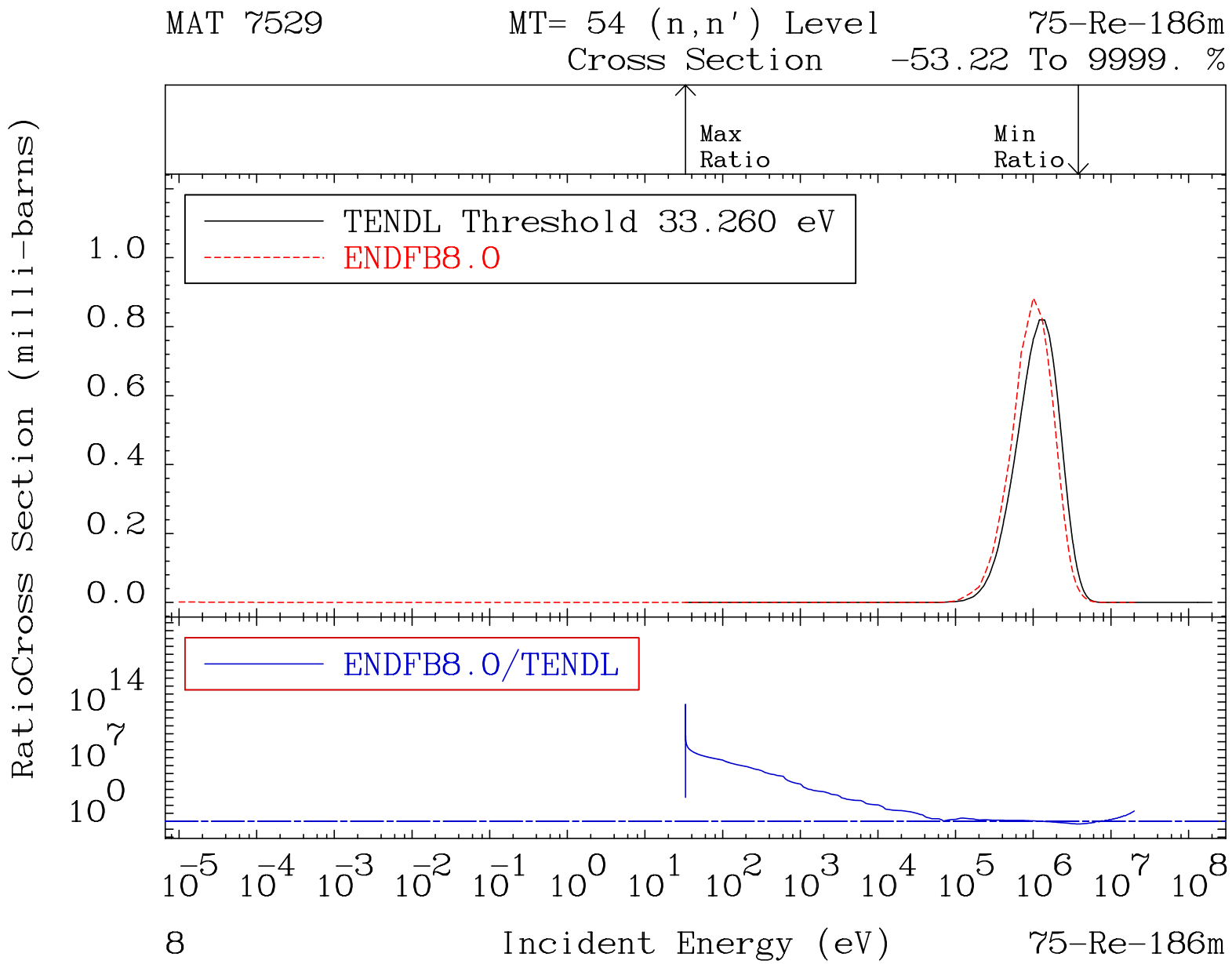

MAT 7529
Inelastic
Cross Section
75-Re-186m
-48.49 To 9999. %
Max
Ratio
Min
Ratio
TENDL Threshold 33.260 eV
ENDFB8.0
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
10^8
10^4
10^0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
Incident Energy (eV)
3
75-Re-186m

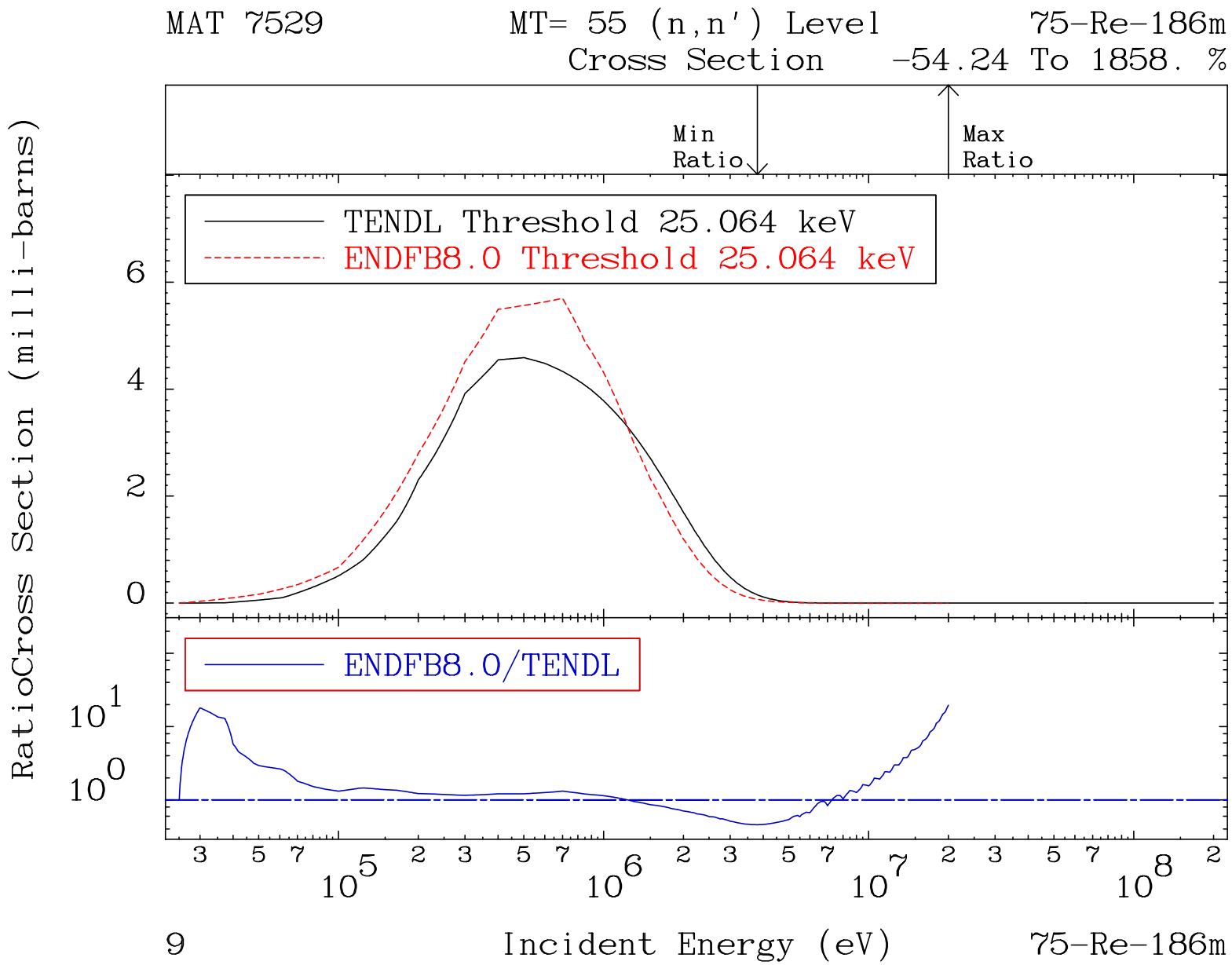

MAT 7529
(n,2n)
Cross Section
75-Re-186m
-100.0 To 215.7 %
Max
Ratio
TENDL Threshold 6.0633 MeV
ENDFB8.0 Threshold 6.2135 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
4
2
0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
4
75-Re-186m

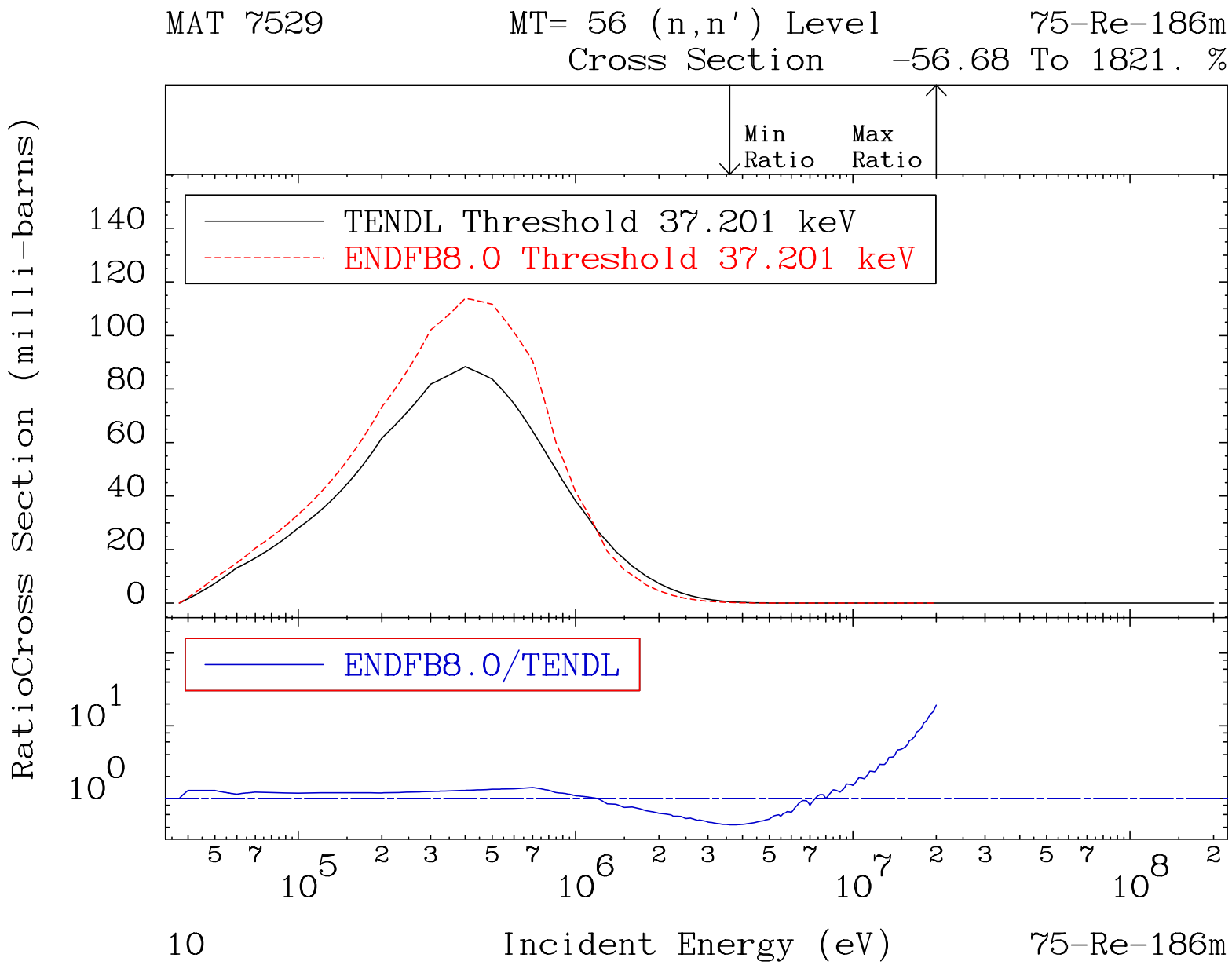

MAT 7529
MT= 51 (n,n') Level
75-Re-186m
Cross Section -51.66 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 33.260 eV
ENDFB8.0
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
5
75-Re-186m

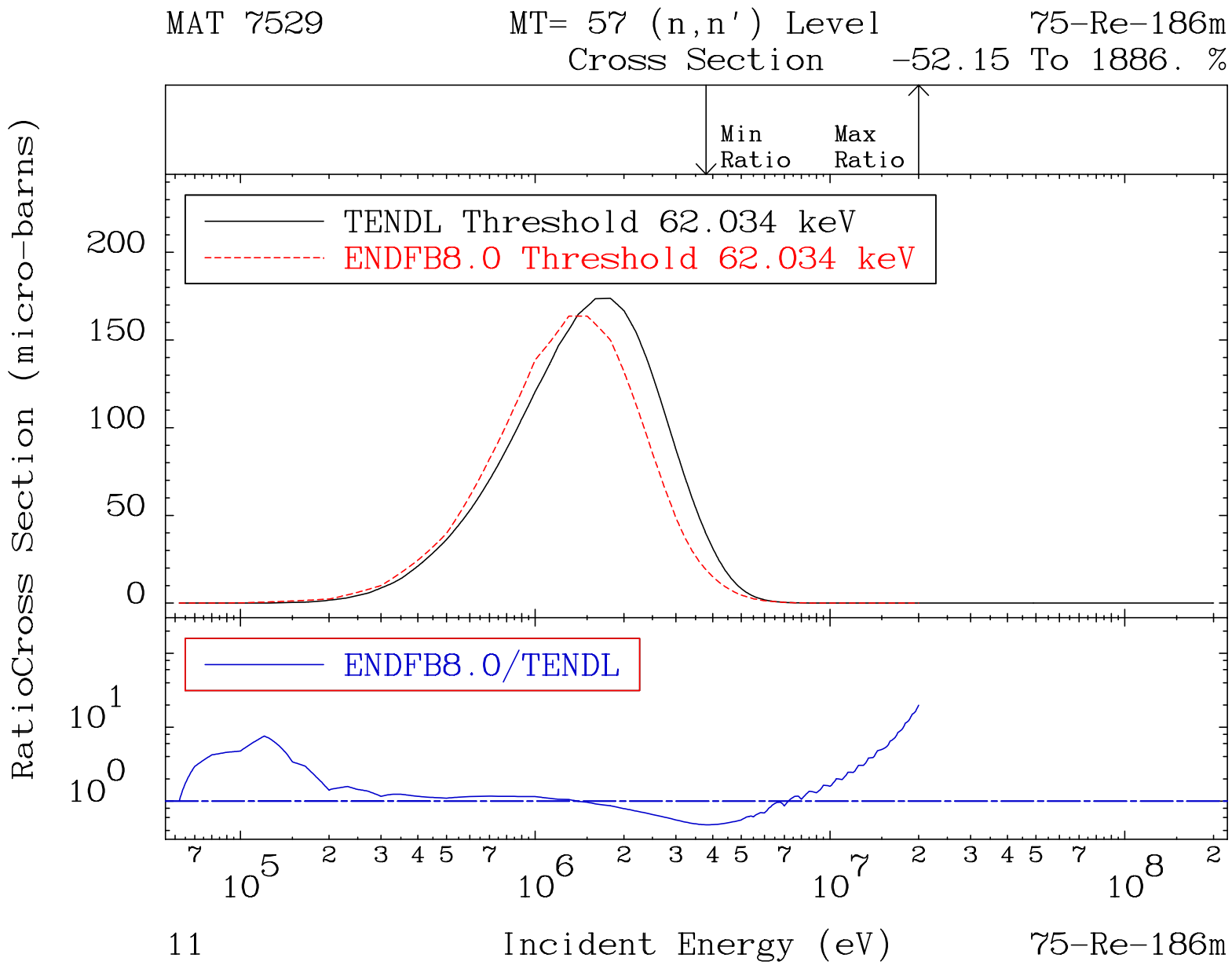

MAT 7529
MT= 52 (n,n') Level
75-Re-186m
Cross Section -52.47 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 33.260 eV
ENDFB8.0
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
6
75-Re-186m

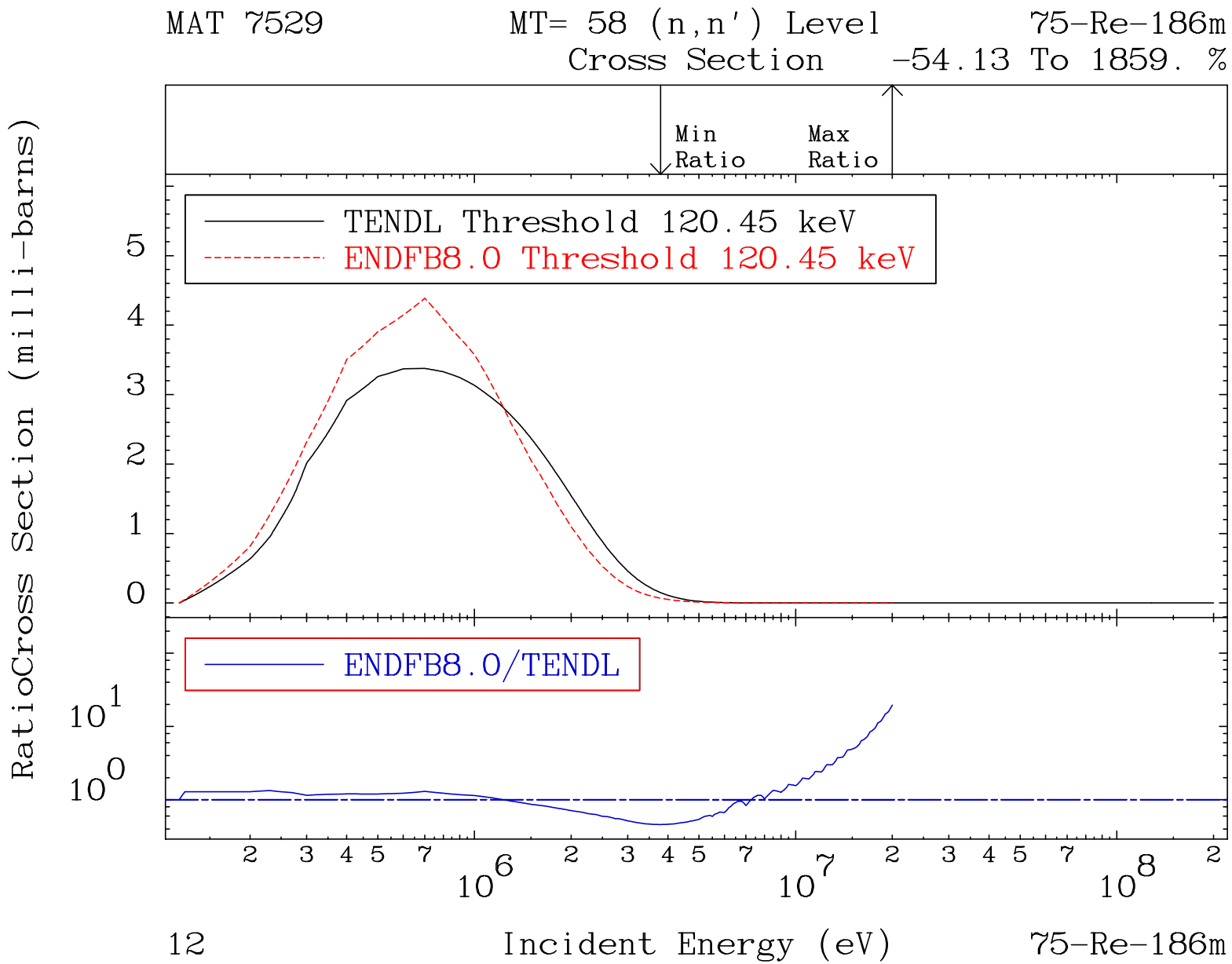

MAT 7529
MT= 53 (n,n') Level
75-Re-186m
Cross Section -53.28 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 33.260 eV
ENDFB8.0
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
10^8
10^4
10^0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
7
Incident Energy (eV)
75-Re-186m

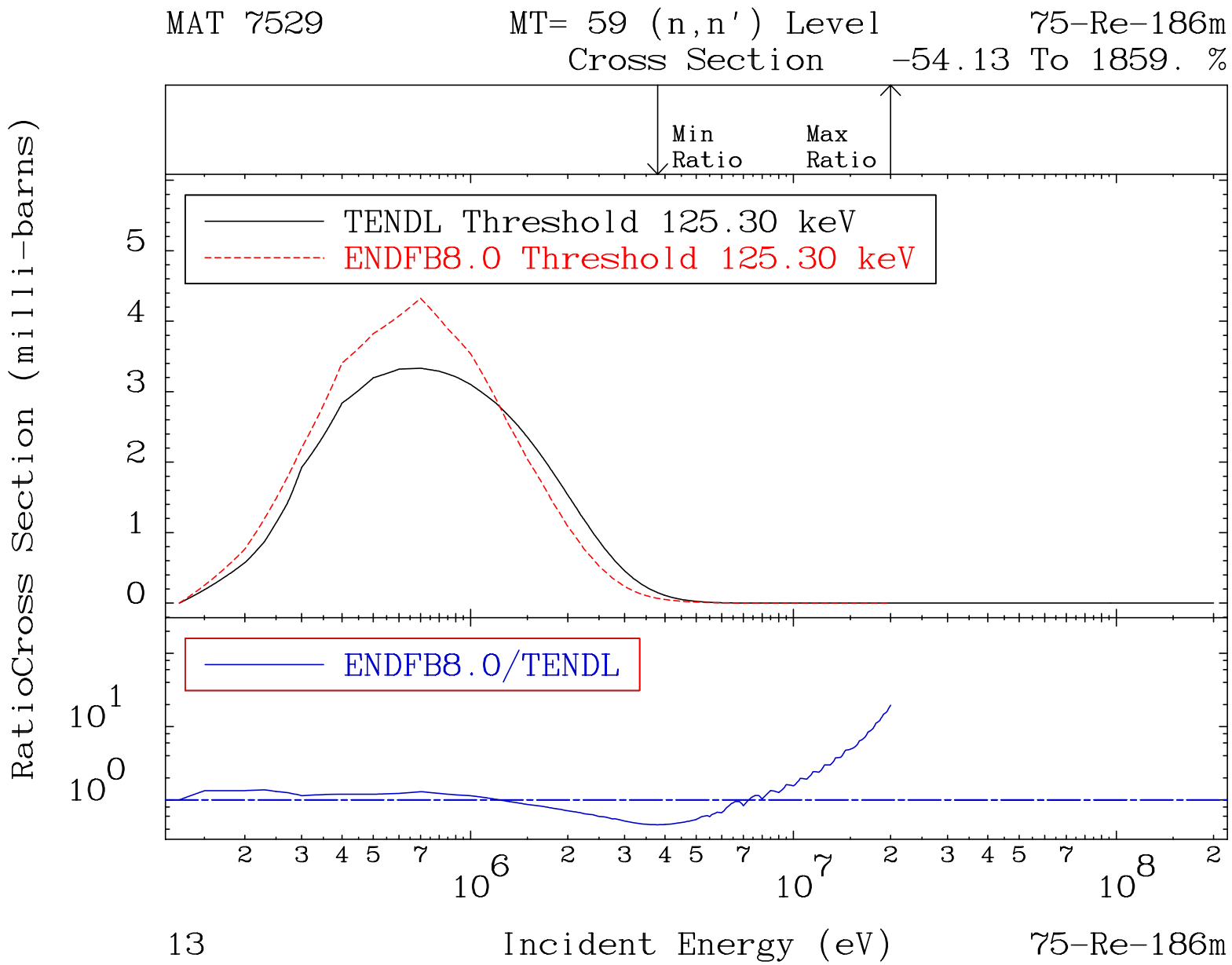

MAT 7529
MT= 54 (n,n') Level
75-Re-186m
Cross Section -53.22 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 33.260 eV
ENDFB8.0
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
10^14
10^7
10^0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
Incident Energy (eV)
8
75-Re-186m

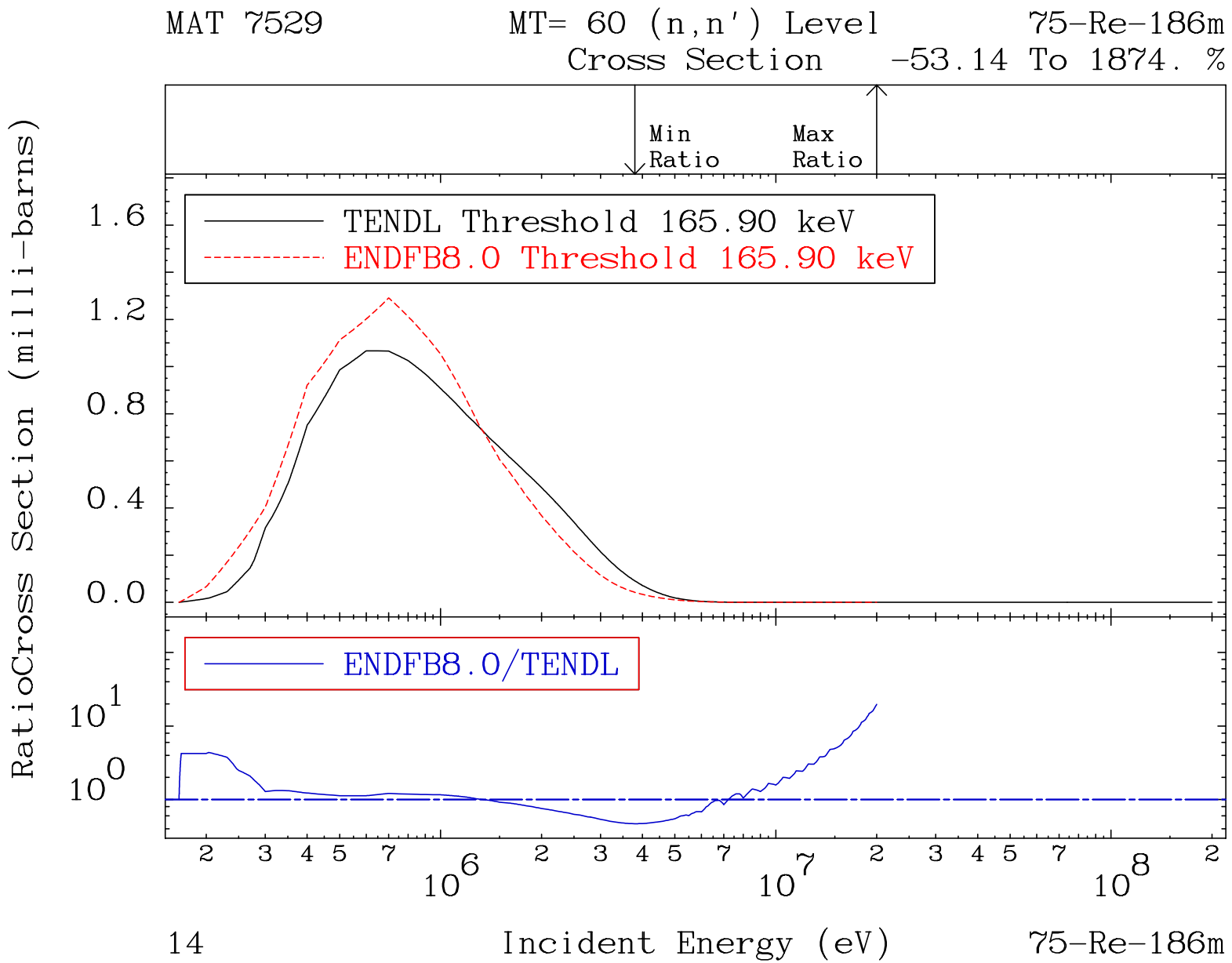

MAT 7529
MT= 55 (n,n') Level
75-Re-186m
Cross Section -54.24 To 1858. %
Min Ratio
Max Ratio
TENDL Threshold 25.064 keV
ENDFB8.0 Threshold 25.064 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
9
75-Re-186m

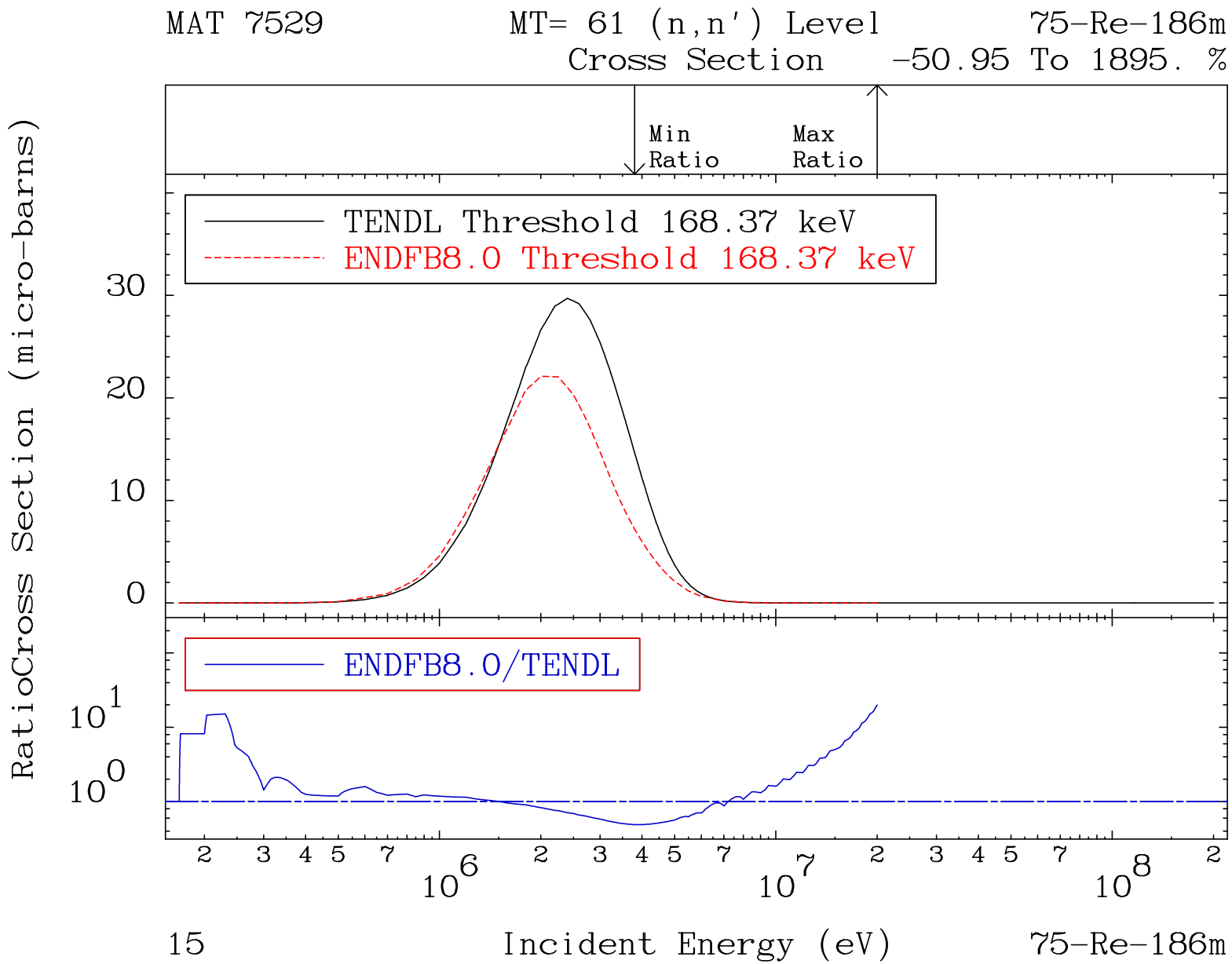

MAT 7529
MT= 56 (n,n') Level
75-Re-186m
Cross Section -56.68 To 1821. %
Min Ratio
Max Ratio
TENDL Threshold 37.201 keV
ENDFB8.0 Threshold 37.201 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
10^1
10^0
5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
10
Incident Energy (eV)
75-Re-186m

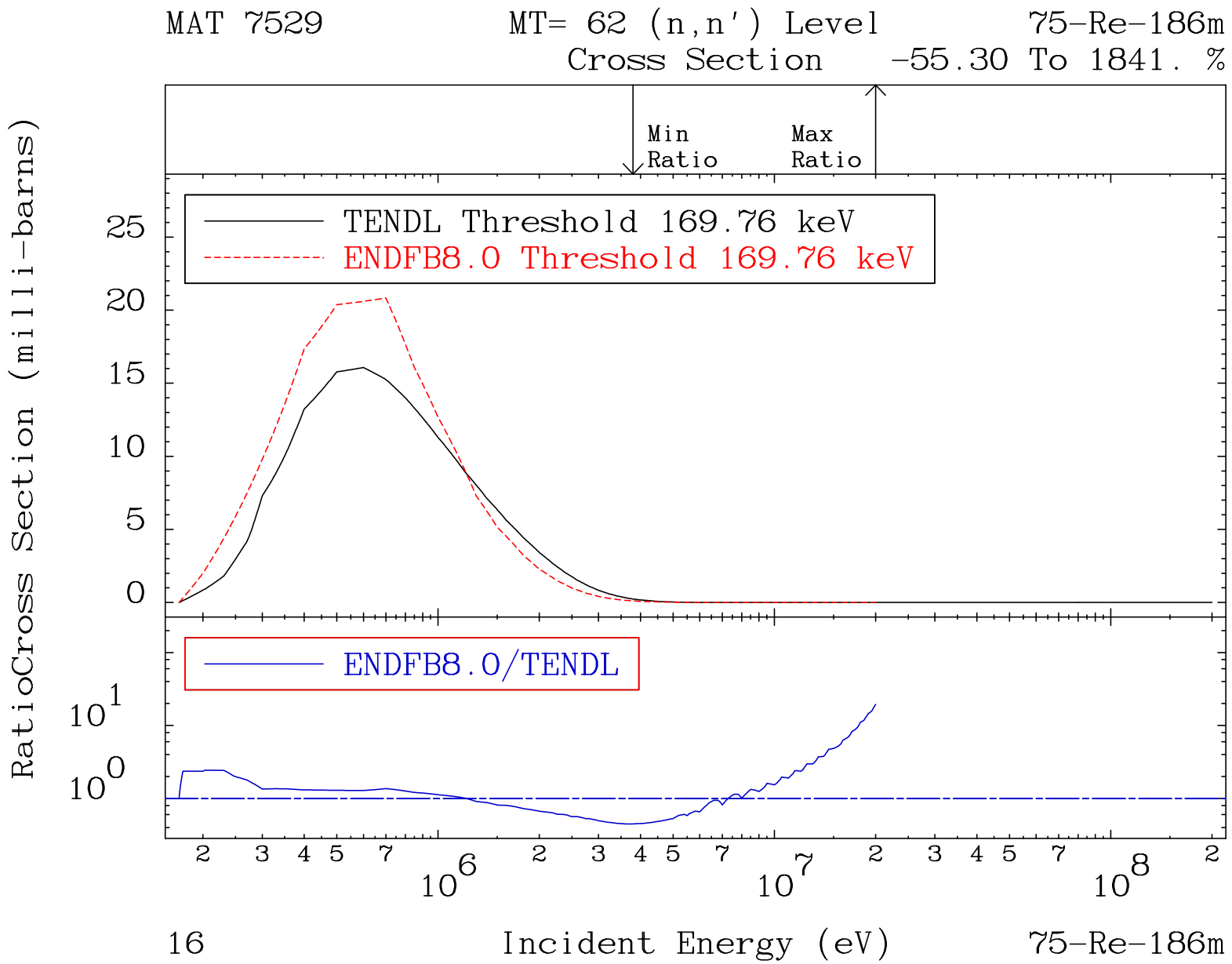

MAT 7529
MT= 57 (n,n') Level
75-Re-186m
Cross Section -52.15 To 1886. %
Min Ratio
Max Ratio
TENDL Threshold 62.034 keV
ENDFB8.0 Threshold 62.034 keV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
200
150
100
50
0
10^1
10^0
7 10^5 2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
11
Incident Energy (eV)
75-Re-186m

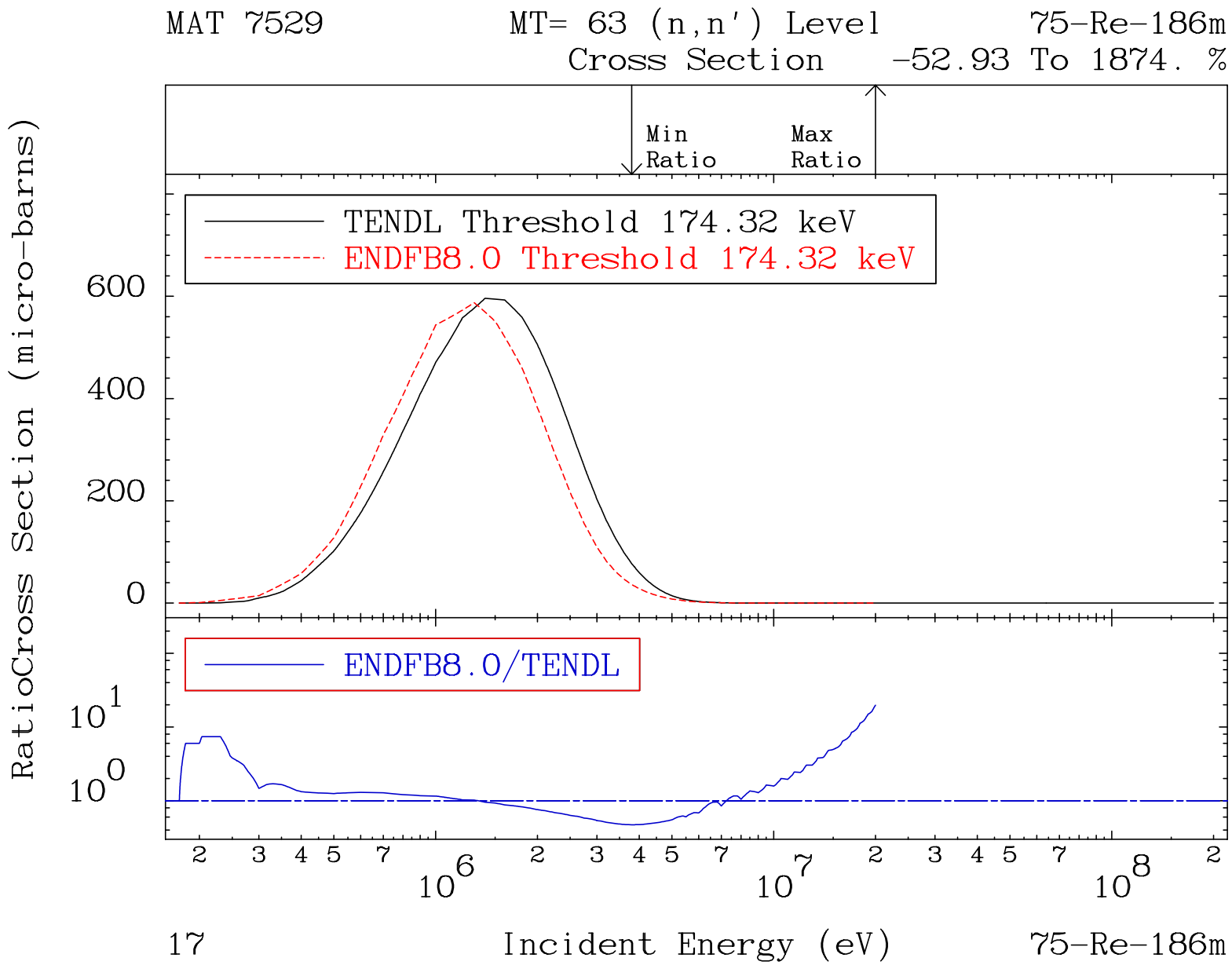

MAT 7529
MT= 58 (n,n') Level
75-Re-186m
Cross Section -54.13 To 1859. %
Min Ratio
Max Ratio
TENDL Threshold 120.45 keV
ENDFB8.0 Threshold 120.45 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
12
75-Re-186m

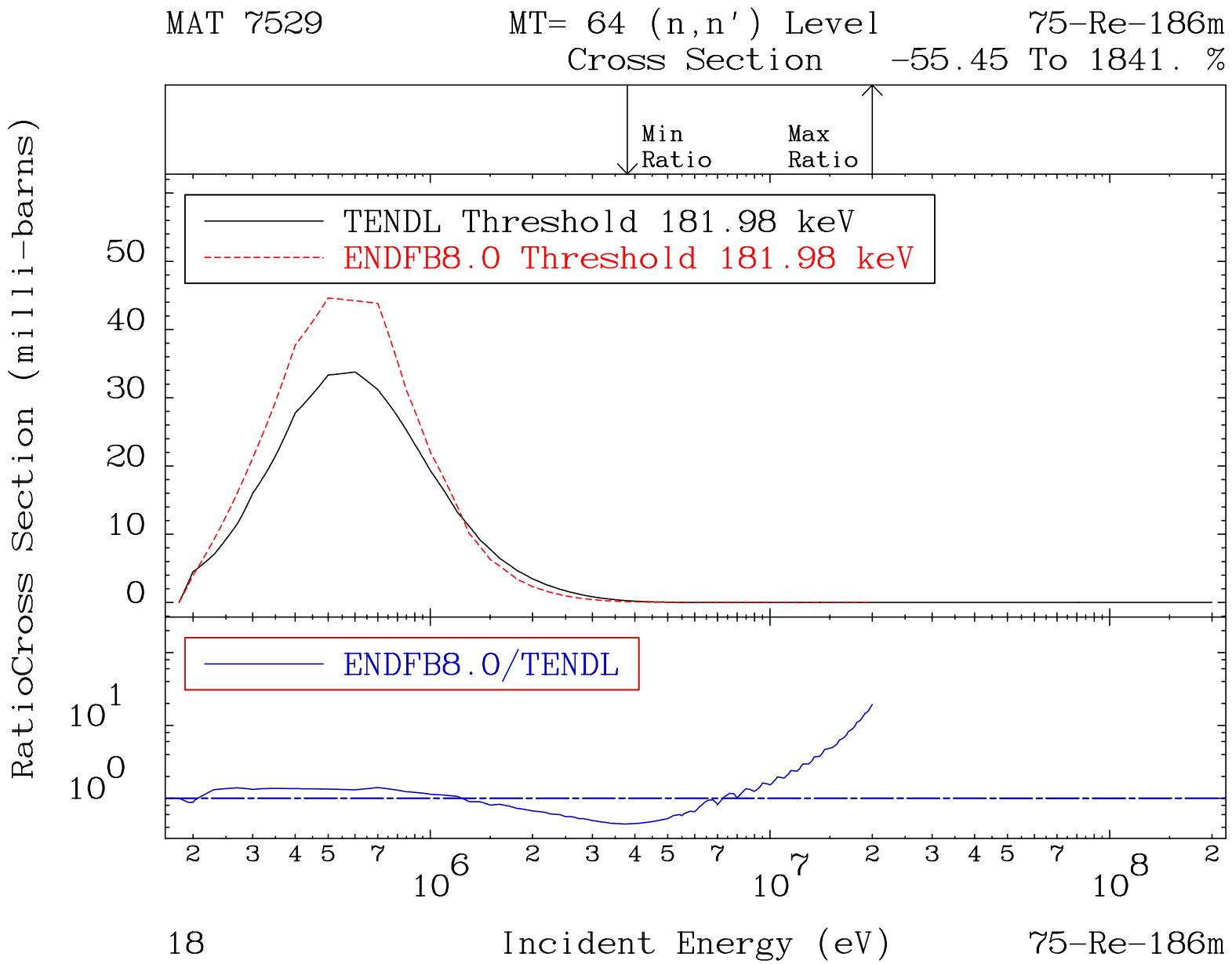

MAT 7529
MT= 59 (n,n') Level
75-Re-186m
Cross Section -54.13 To 1859. %
Min Ratio
Max Ratio
TENDL Threshold 125.30 keV
ENDFB8.0 Threshold 125.30 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
13
75-Re-186m

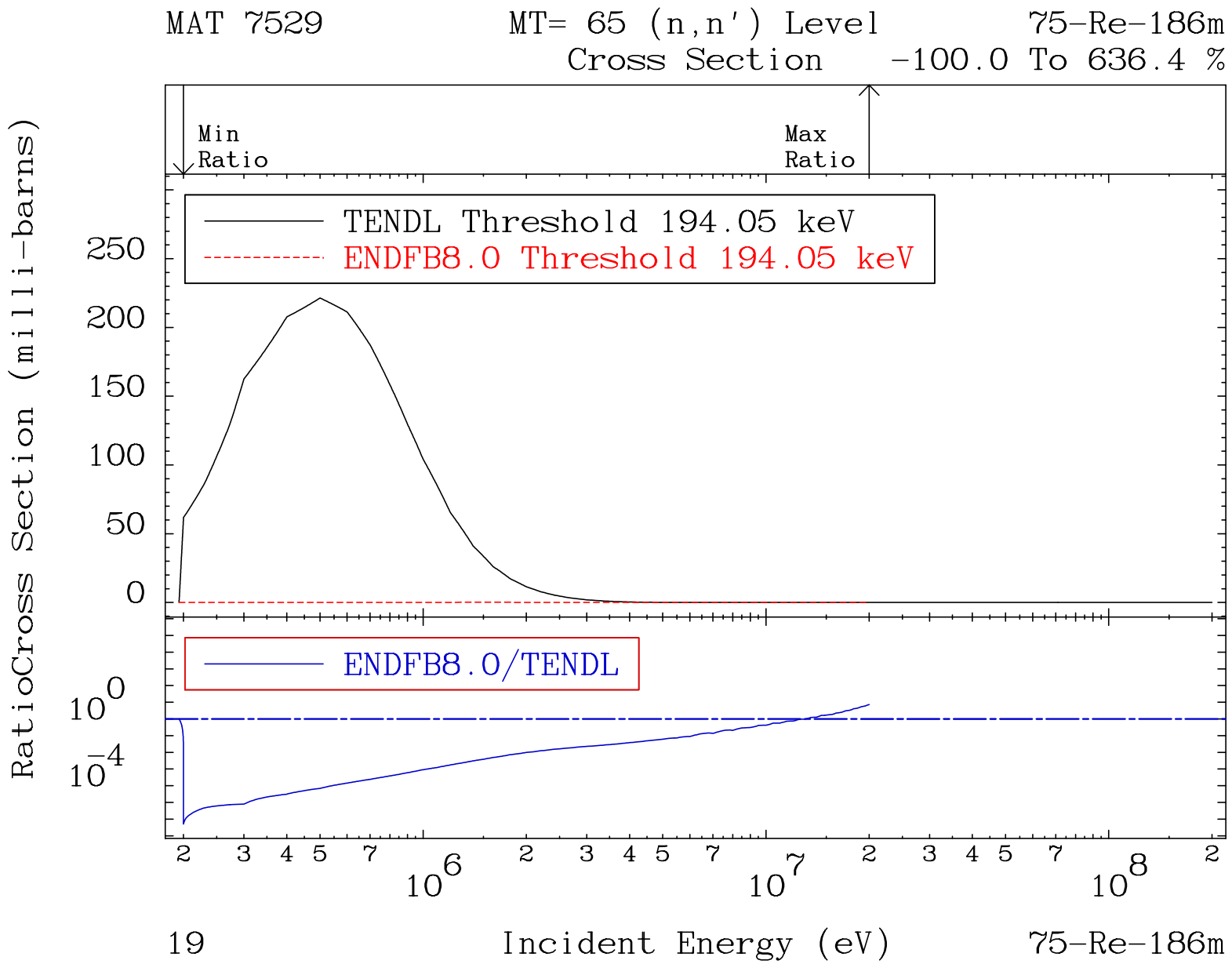

MAT 7529
MT= 60 (n,n') Level
75-Re-186m
Cross Section -53.14 To 1874. %
Min Ratio
Max Ratio
TENDL Threshold 165.90 keV
ENDFB8.0 Threshold 165.90 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
10^1
10^0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
14
Incident Energy (eV)
75-Re-186m

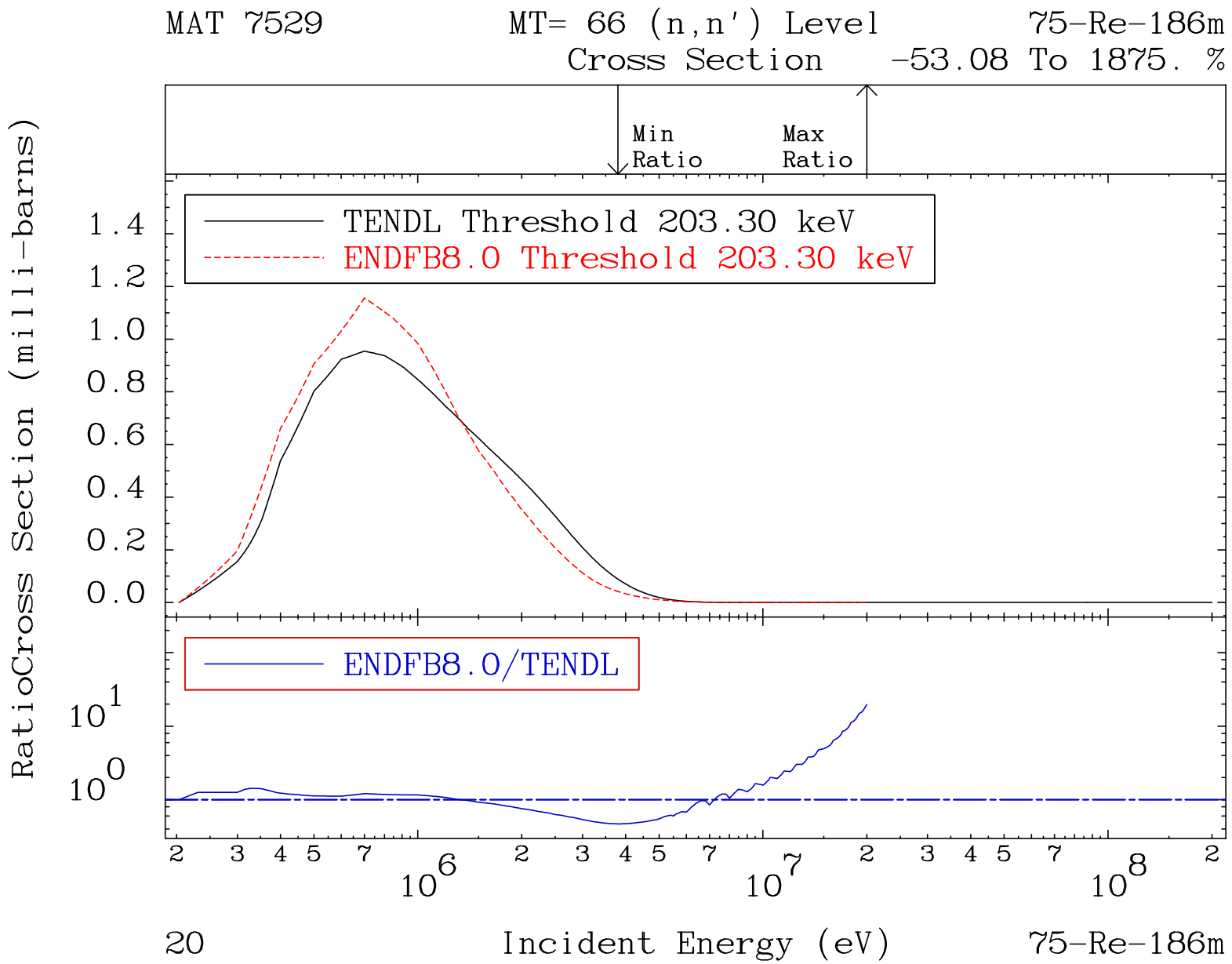

MAT 7529
MT= 61 (n,n') Level
75-Re-186m
Cross Section -50.95 To 1895. %
Min Ratio
Max Ratio
TENDL Threshold 168.37 keV
ENDFB8.0 Threshold 168.37 keV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
30
20
10
0
10^1
10^0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
15
Incident Energy (eV)
75-Re-186m

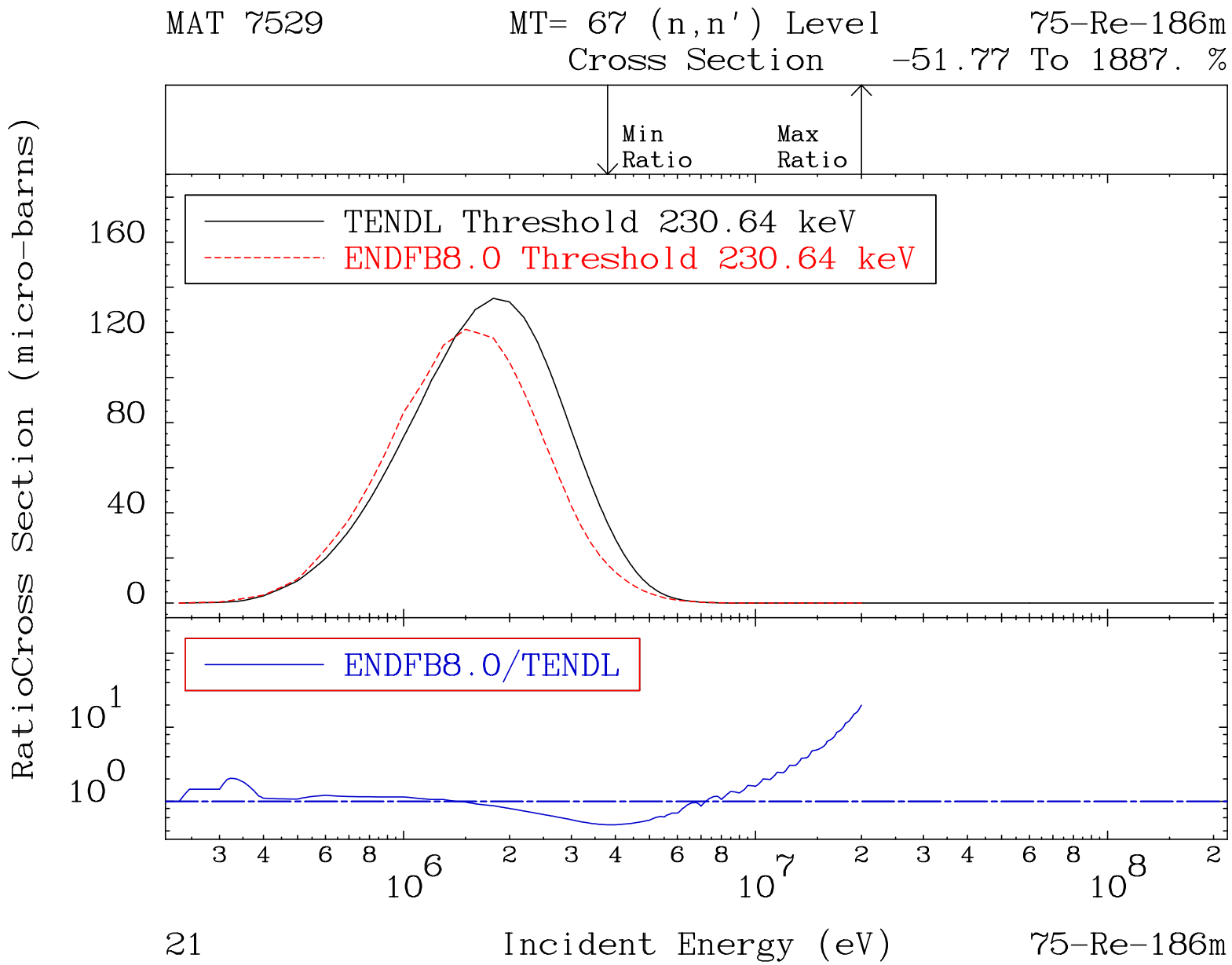

MAT 7529
MT= 62 (n,n') Level
75-Re-186m
Cross Section -55.30 To 1841. %
Min Ratio
Max Ratio
TENDL Threshold 169.76 keV
ENDFB8.0 Threshold 169.76 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
16
75-Re-186m

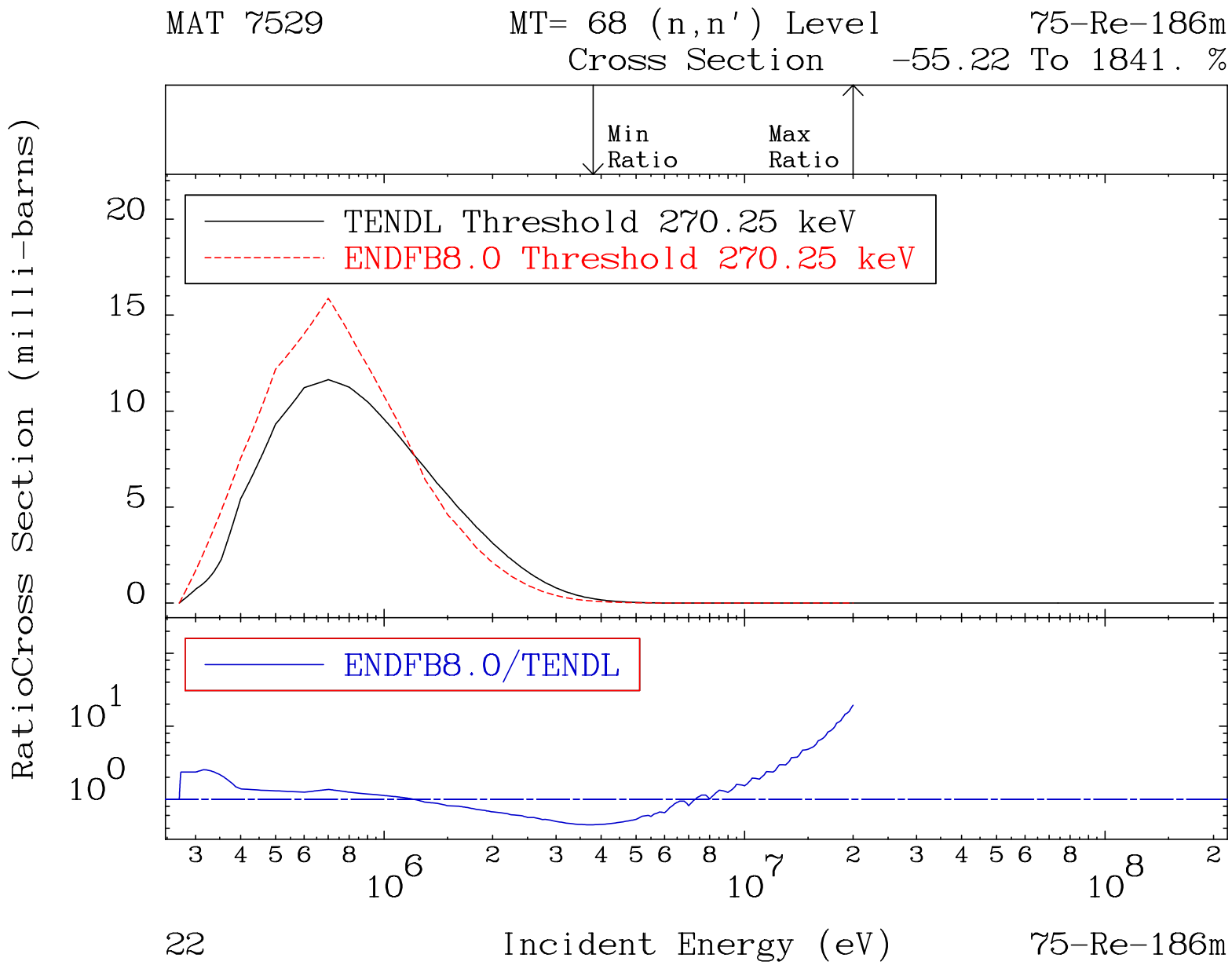

MAT 7529
MT= 63 (n,n') Level
75-Re-186m
Cross Section -52.93 To 1874. %
Min Ratio
Max Ratio
TENDL Threshold 174.32 keV
ENDFB8.0 Threshold 174.32 keV
600
400
200
0
ENDFB8.0/TENDL
10^1
10^0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
RatioCross Section (micro-barns)
17
Incident Energy (eV)
75-Re-186m

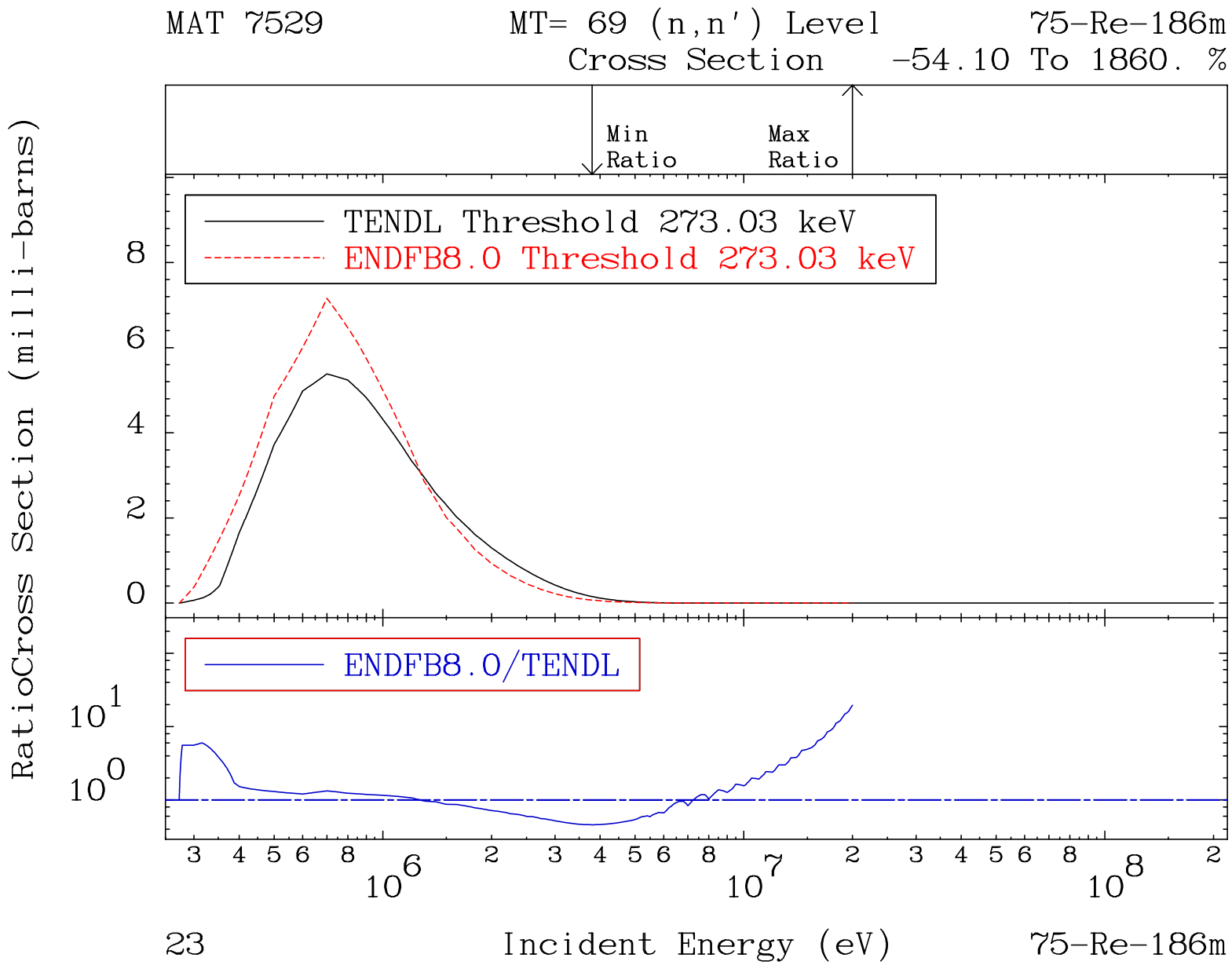

MAT 7529
MT= 64 (n,n') Level
75-Re-186m
Cross Section -55.45 To 1841. %
Min Ratio
Max Ratio
TENDL Threshold 181.98 keV
ENDFB8.0 Threshold 181.98 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
18
75-Re-186m

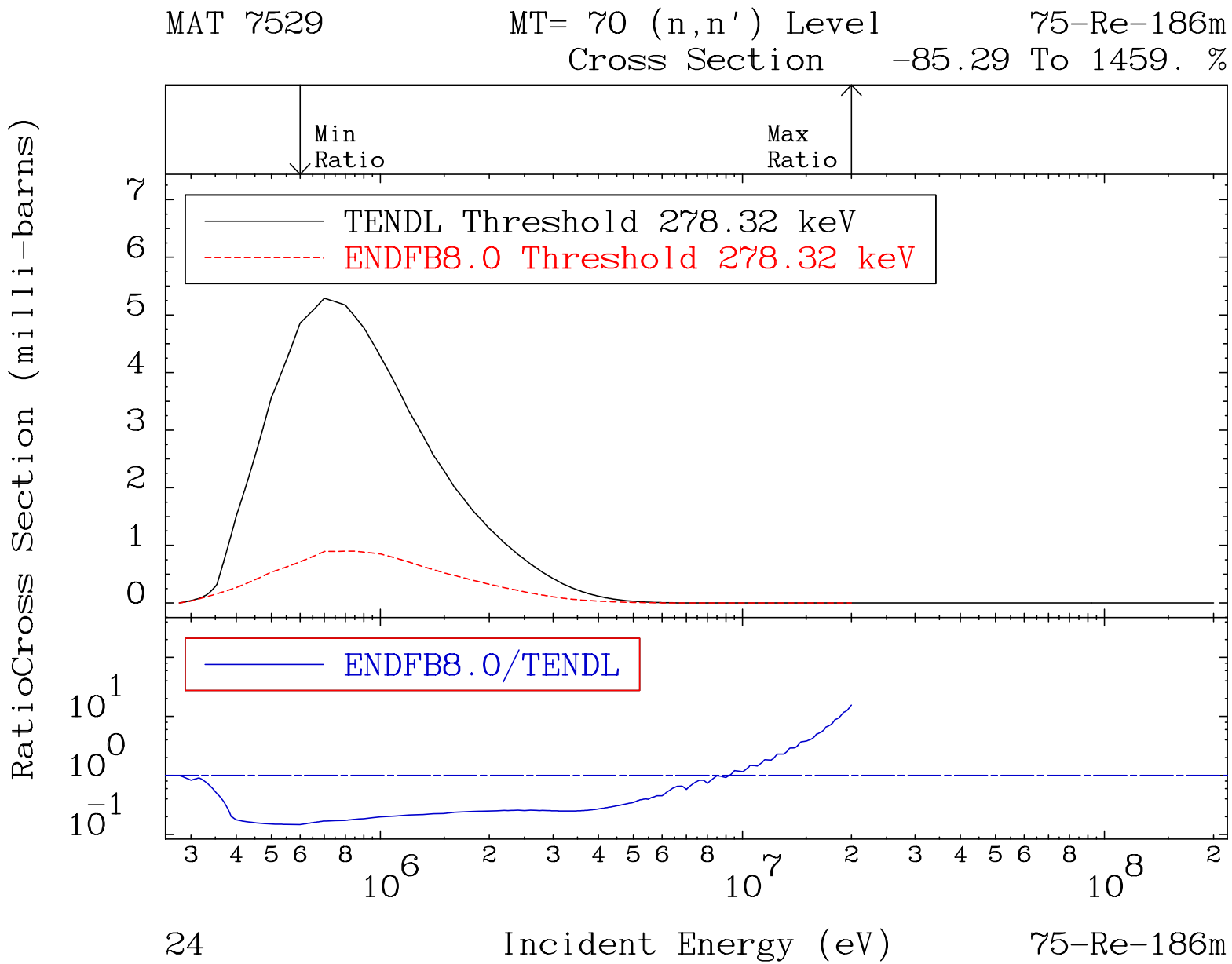

MAT 7529
MT= 65 (n,n') Level
75-Re-186m
Cross Section
-100.0 To 636.4 %
Min Ratio
Max Ratio
TENDL Threshold 194.05 keV
ENDFB8.0 Threshold 194.05 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
10^0
10^-4
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
19
Incident Energy (eV)
75-Re-186m

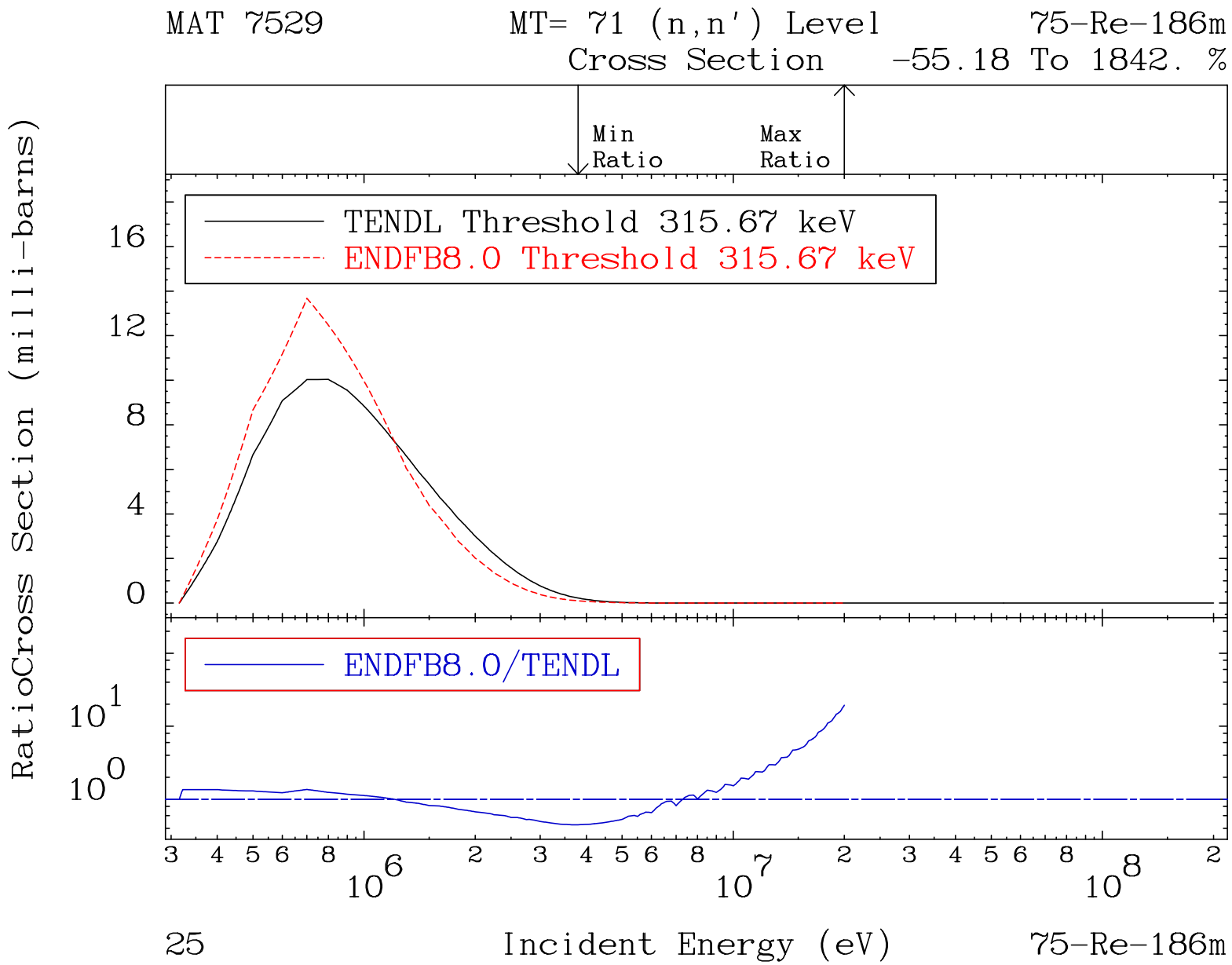

MAT 7529
MT= 66 (n,n') Level
75-Re-186m
Cross Section -53.08 To 1875. %
Min Ratio
Max Ratio
TENDL Threshold 203.30 keV
ENDFB8.0 Threshold 203.30 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
10^1
10^0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
20
Incident Energy (eV)
75-Re-186m

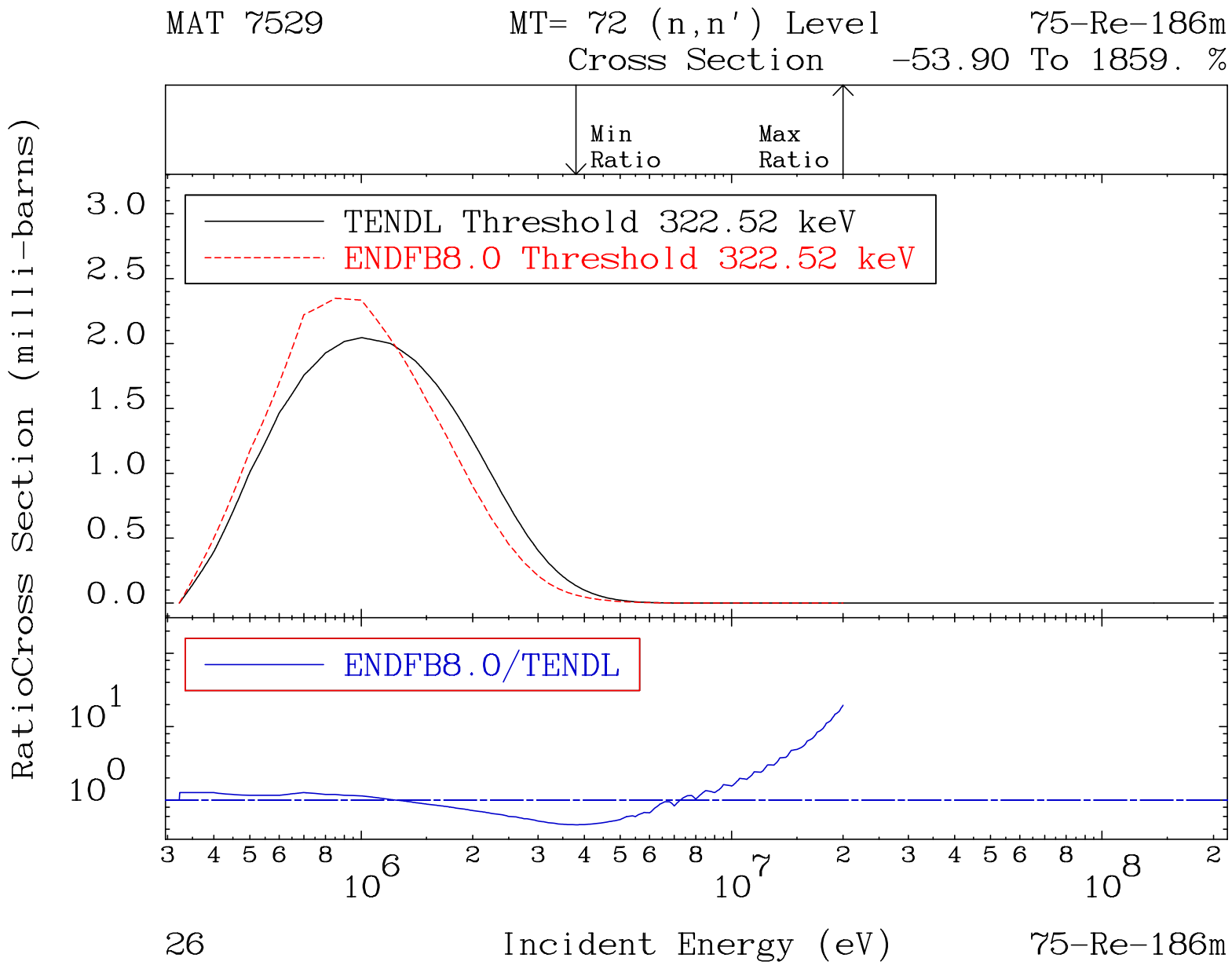

MAT 7529
MT= 67 (n,n') Level
75-Re-186m
Cross Section -51.77 To 1887. %
Min Ratio
Max Ratio
TENDL Threshold 230.64 keV
ENDFB8.0 Threshold 230.64 keV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
160
120
80
40
0
10^1
10^0
3 4 6 8 10^6 2 3 4 6 8 10^7 2 3 4 6 8 10^8 2
21
Incident Energy (eV)
75-Re-186m

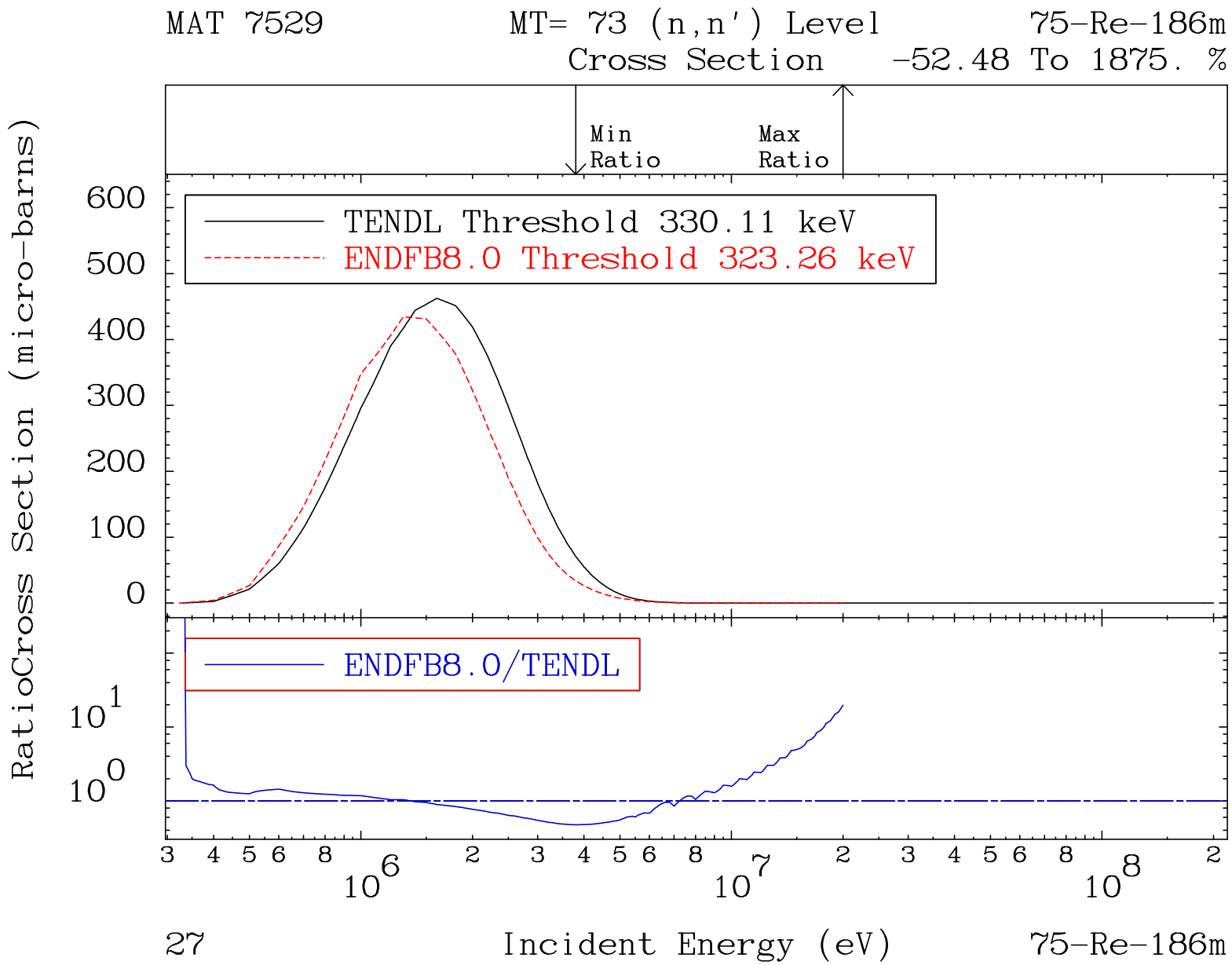

MAT 7529
MT= 68 (n,n') Level
75-Re-186m
Cross Section -55.22 To 1841. %
Min Ratio
Max Ratio
TENDL Threshold 270.25 keV
ENDFB8.0 Threshold 270.25 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
22
75-Re-186m

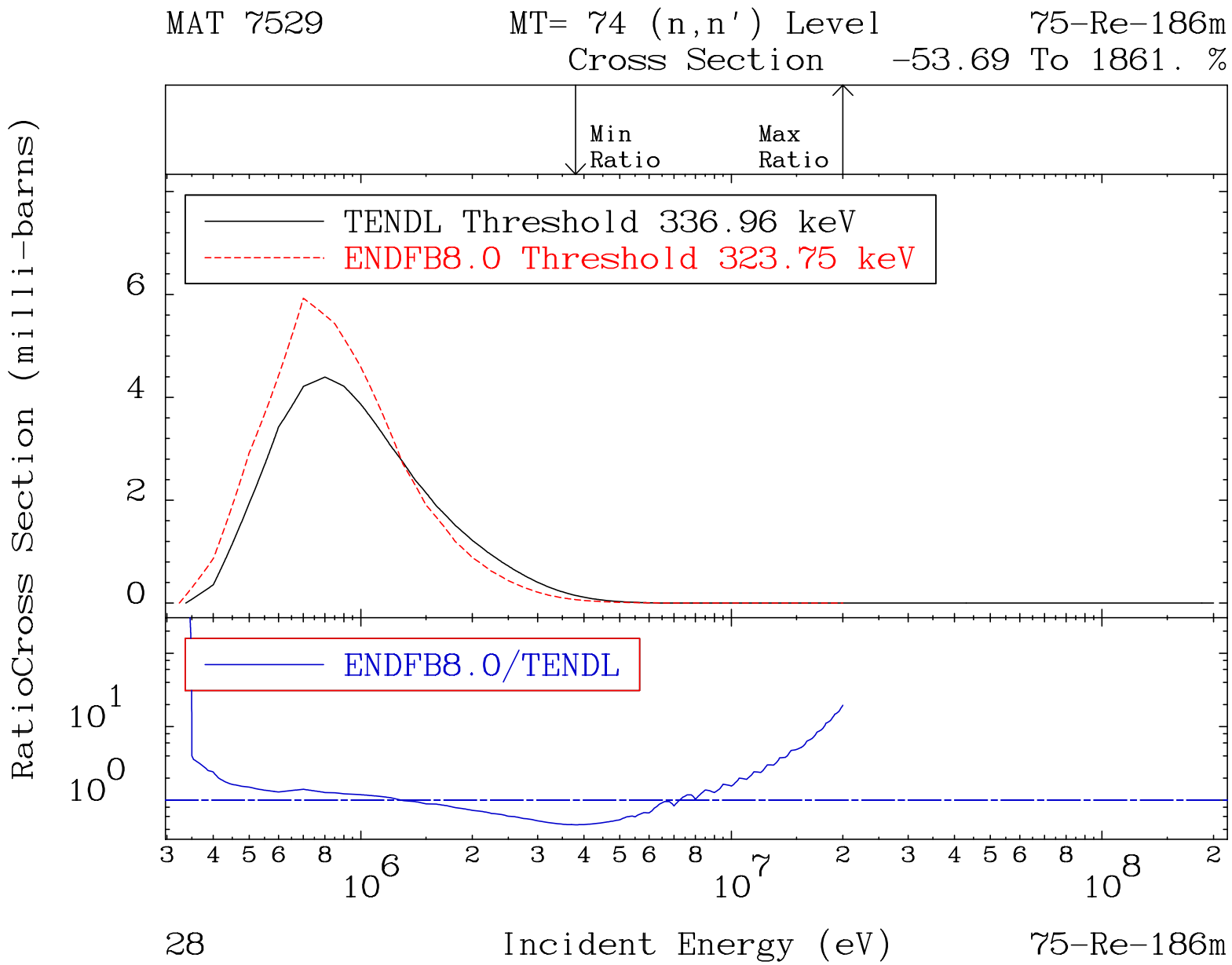

MAT 7529
MT= 69 (n,n') Level
75-Re-186m
Cross Section -54.10 To 1860. %
Min Ratio
Max Ratio
TENDL Threshold 273.03 keV
ENDFB8.0 Threshold 273.03 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
23
75-Re-186m

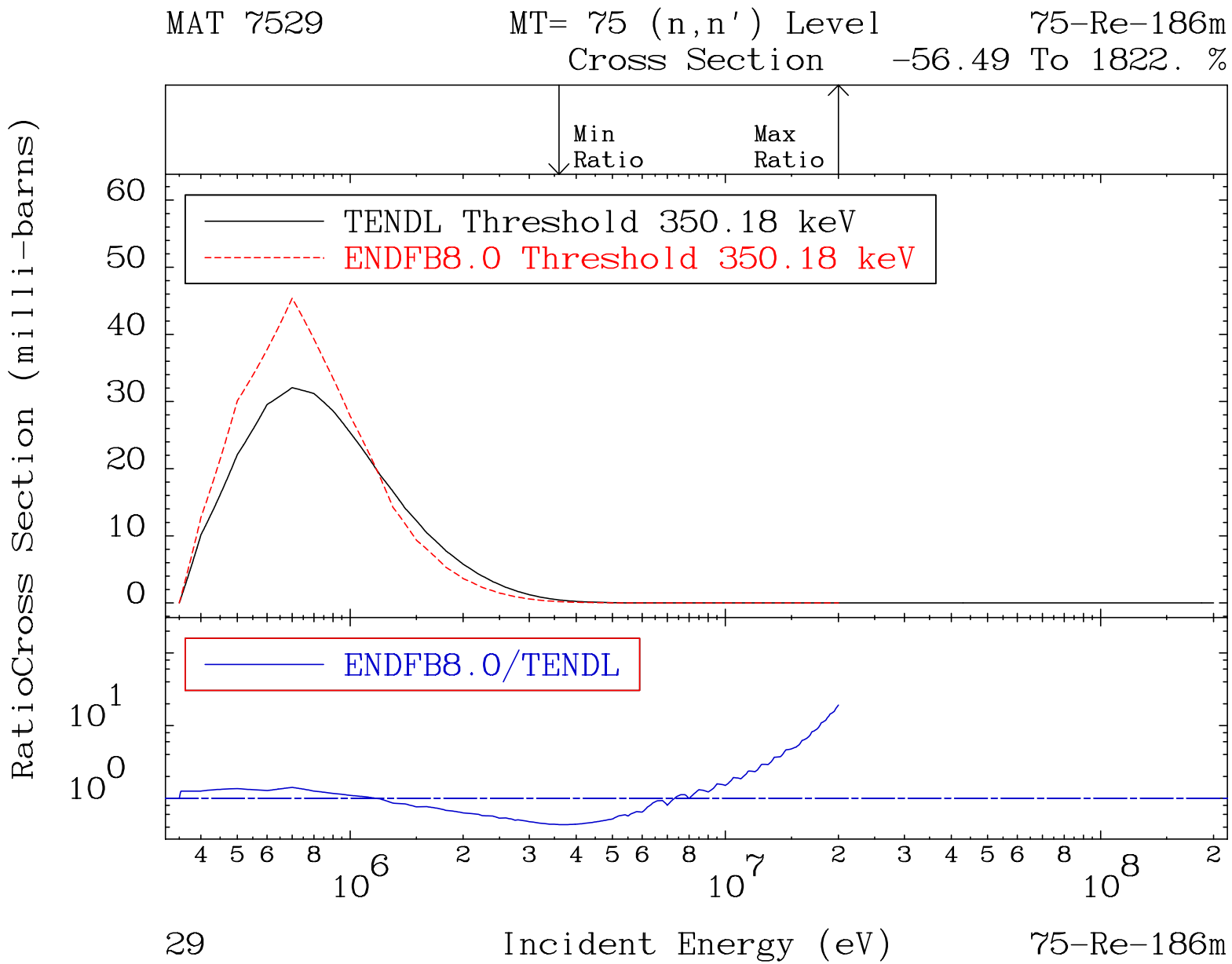

MAT 7529
MT= 70 (n,n') Level
75-Re-186m
Cross Section -85.29 To 1459. %
Min Ratio
Max Ratio
TENDL Threshold 278.32 keV
ENDFB8.0 Threshold 278.32 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
24
75-Re-186m

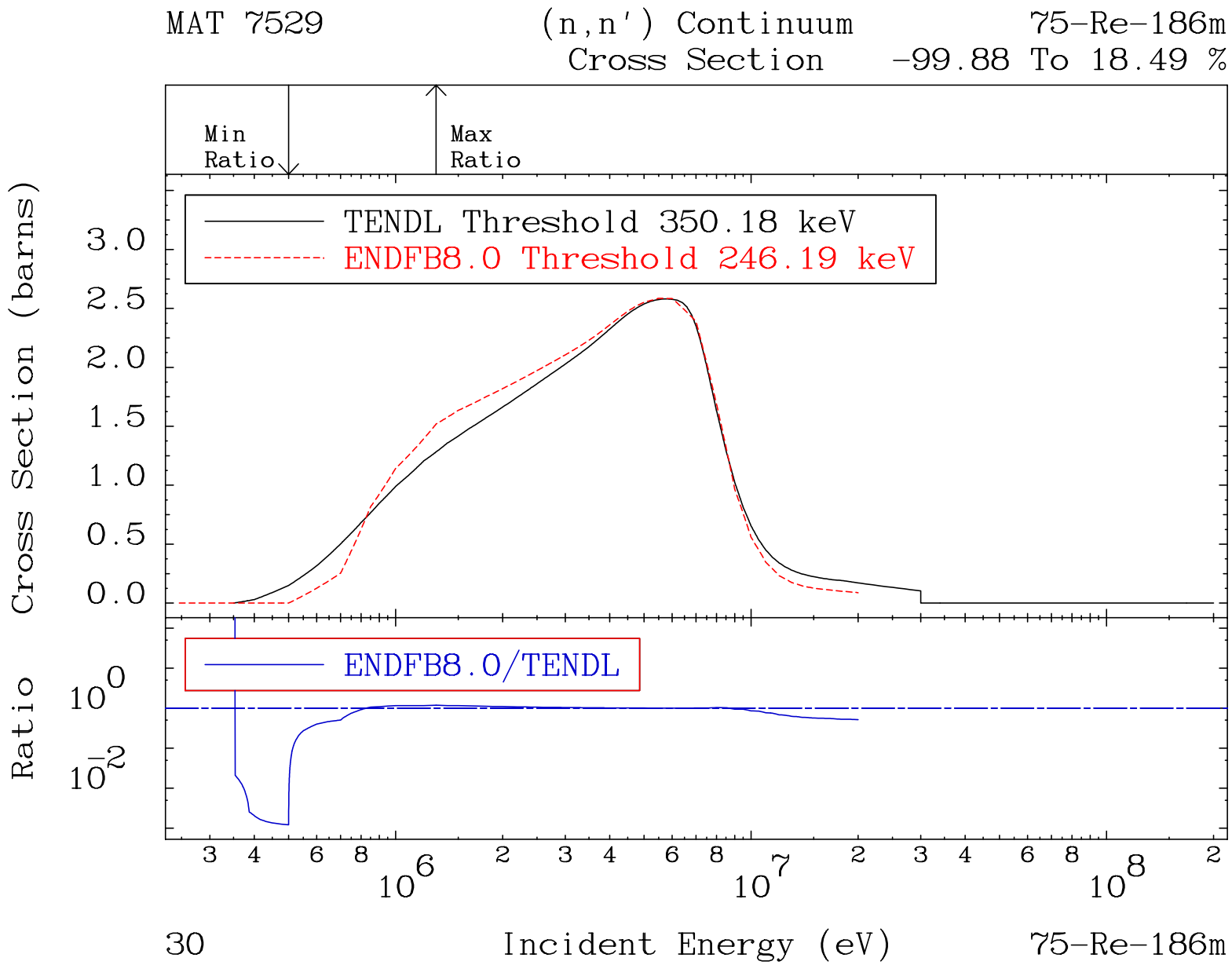

MAT 7529
MT= 71 (n,n') Level
75-Re-186m
Cross Section -55.18 To 1842. %
Min Ratio
Max Ratio
TENDL Threshold 315.67 keV
ENDFB8.0 Threshold 315.67 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
10^1
10^0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
25
Incident Energy (eV)
75-Re-186m

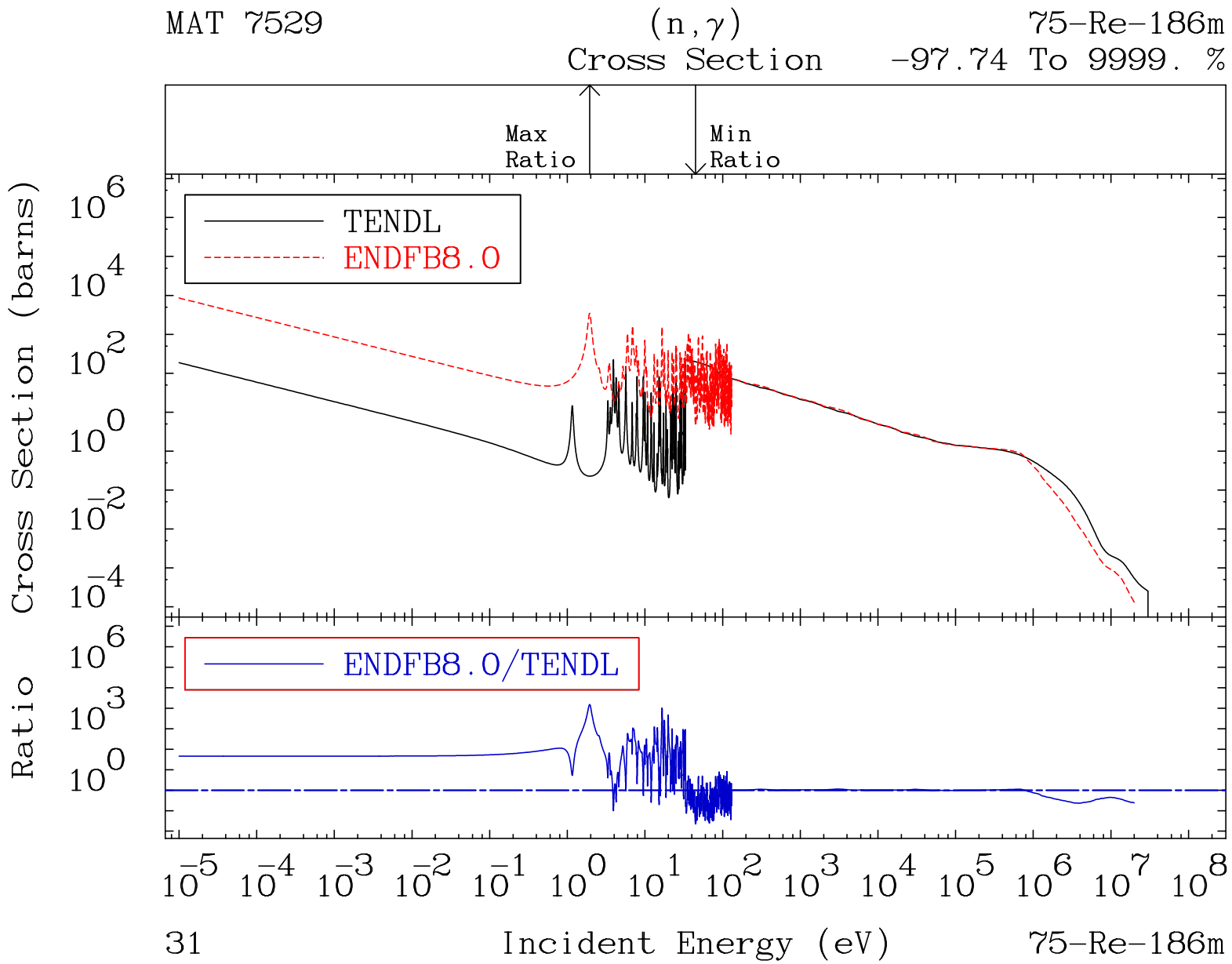

MAT 7529
MT= 72 (n,n') Level
75-Re-186m
Cross Section -53.90 To 1859. %
Min Ratio
Max Ratio
TENDL Threshold 322.52 keV
ENDFB8.0 Threshold 322.52 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
26
75-Re-186m

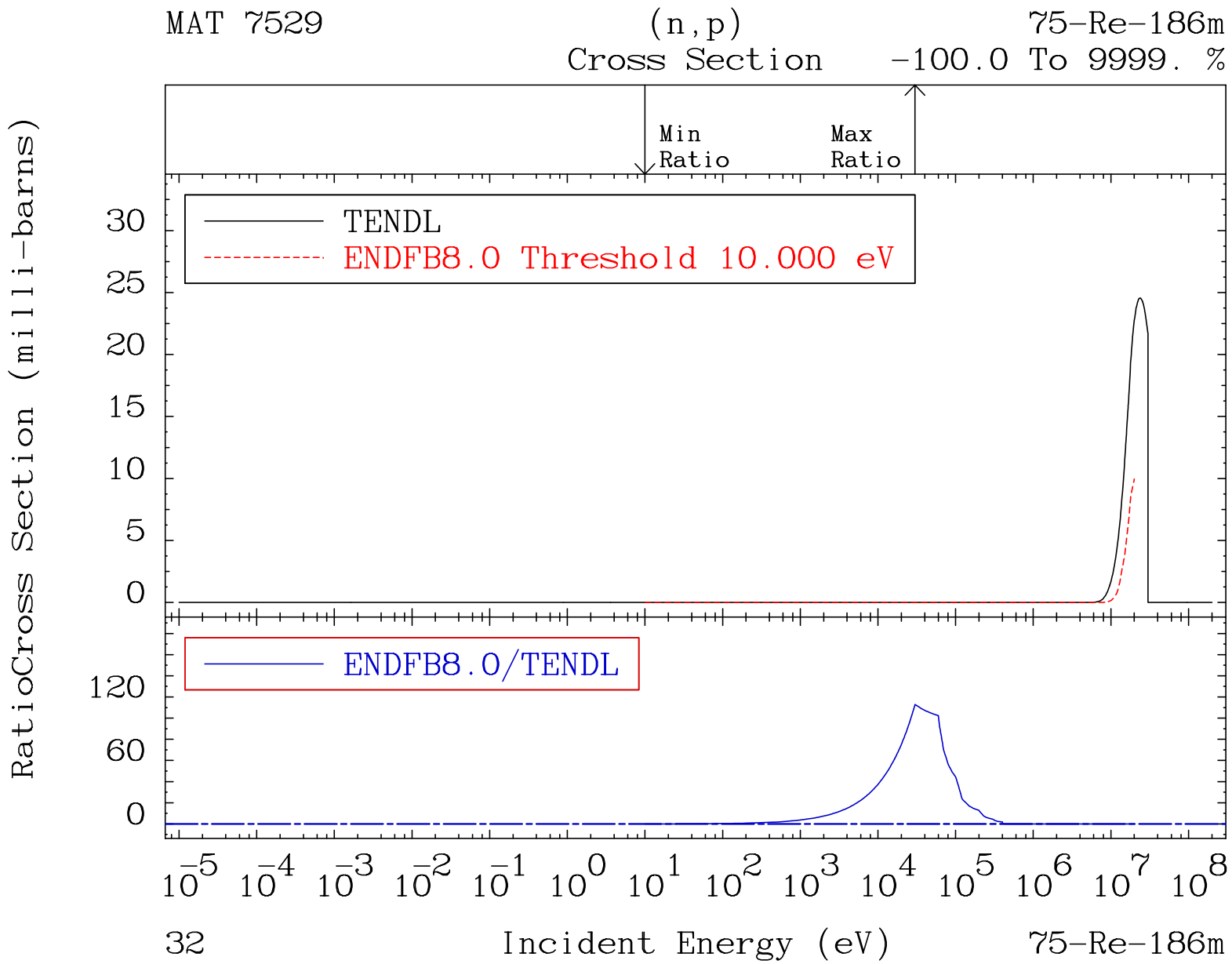

MAT 7529
MT= 73 (n,n') Level
75-Re-186m
Cross Section -52.48 To 1875. %
Min Ratio
Max Ratio
TENDL Threshold 330.11 keV
ENDFB8.0 Threshold 323.26 keV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
600
500
400
300
200
100
0
10^1
10^0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
27
Incident Energy (eV)
75-Re-186m

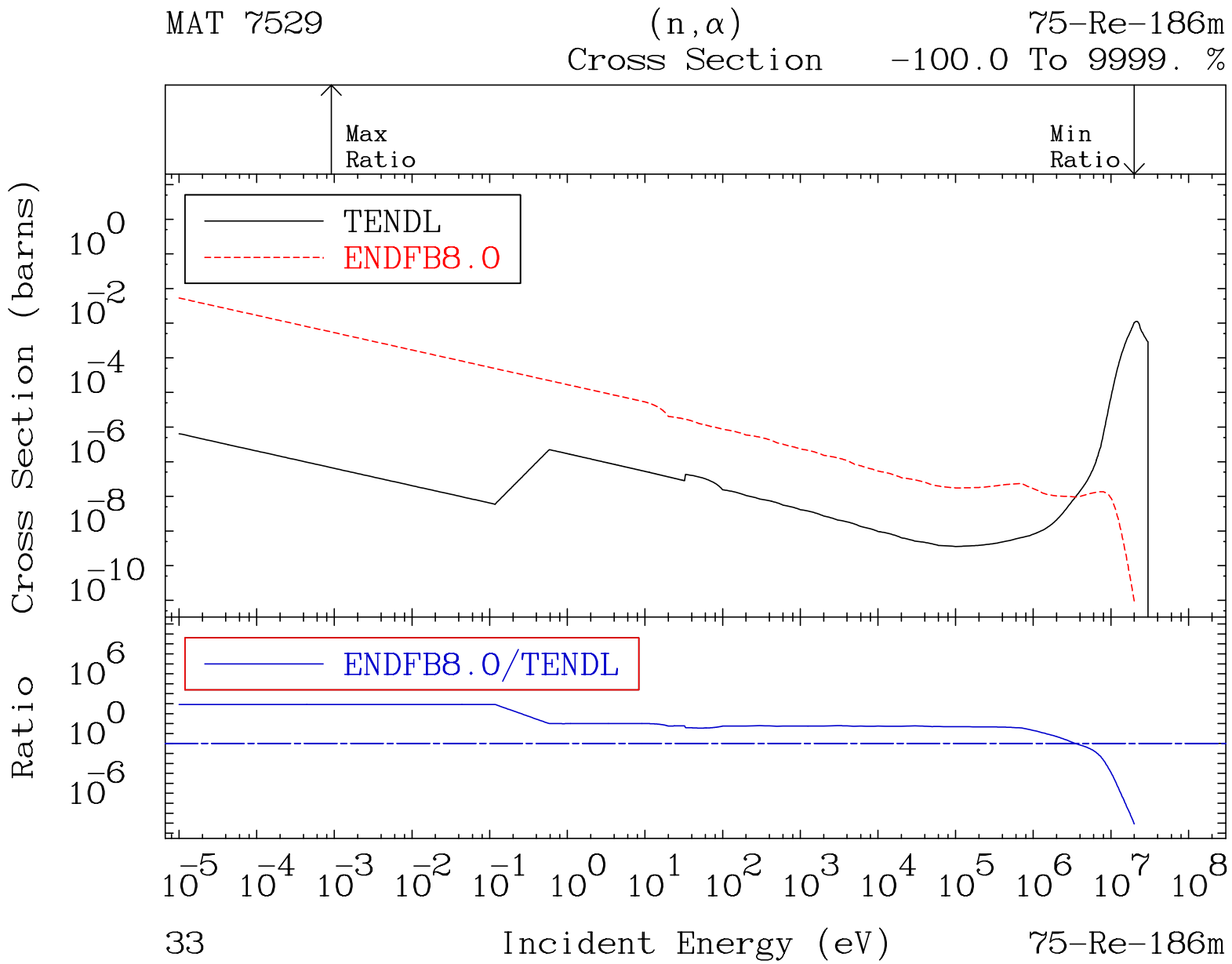

MAT 7529
MT= 74 (n,n') Level
75-Re-186m
Cross Section -53.69 To 1861. %
Min Ratio
Max Ratio
TENDL Threshold 336.96 keV
ENDFB8.0 Threshold 323.75 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
28
75-Re-186m

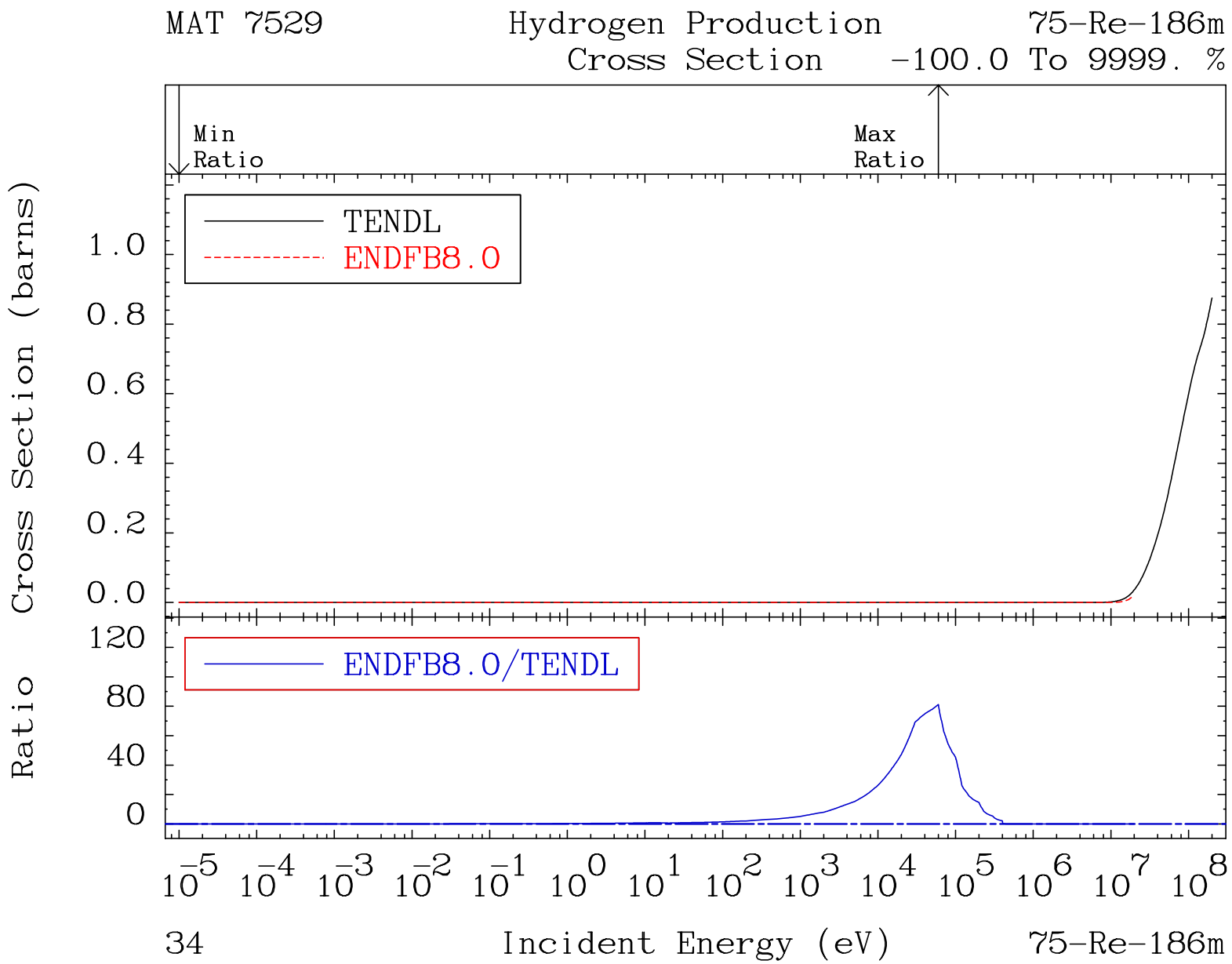

MAT 7529
MT= 75 (n,n') Level
75-Re-186m
Cross Section -56.49 To 1822. %
Min Ratio
Max Ratio
TENDL Threshold 350.18 keV
ENDFB8.0 Threshold 350.18 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
29
75-Re-186m

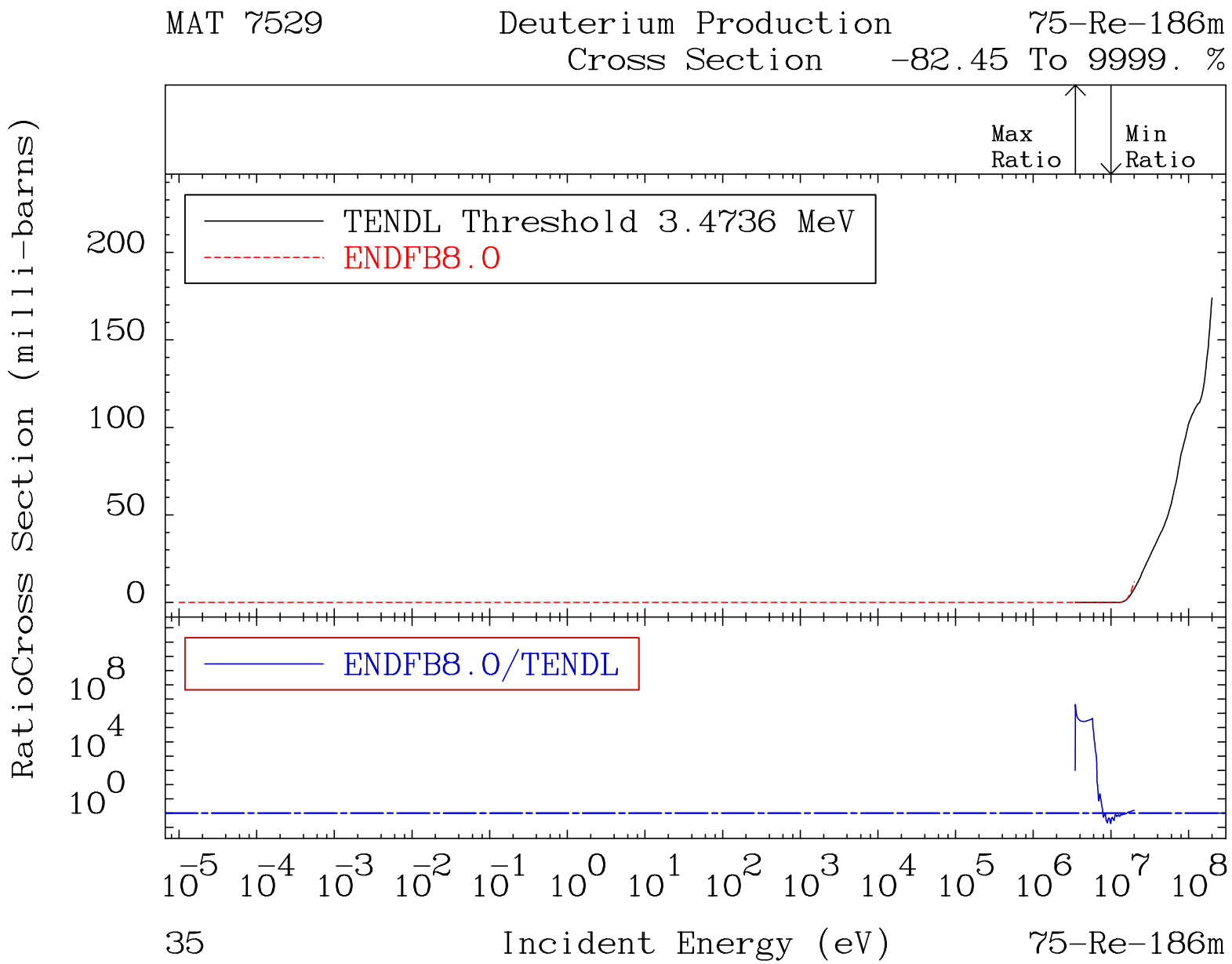

MAT 7529
(n,n') Continuum
Cross Section
75-Re-186m
-99.88 To 18.49 %
Min Ratio
Max Ratio
TENDL Threshold 350.18 keV
ENDFB8.0 Threshold 246.19 keV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
3 4 6 8 10^6 2 3 4 6 8 10^7 2 3 4 6 8 10^8 2
30
Incident Energy (eV)
75-Re-186m

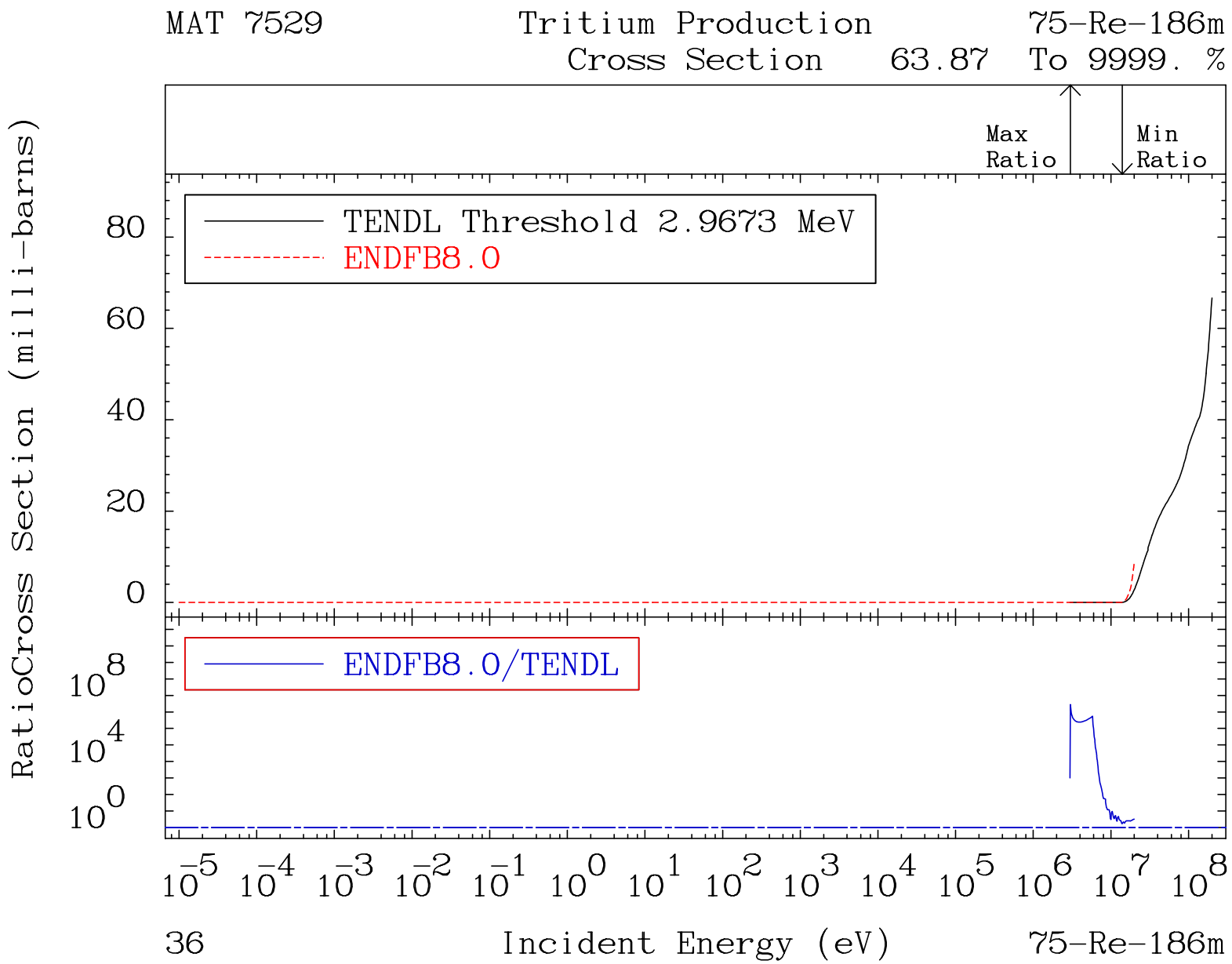

MAT 7529
(n,γ)
Cross Section
75-Re-186m
-97.74 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
31
75-Re-186m

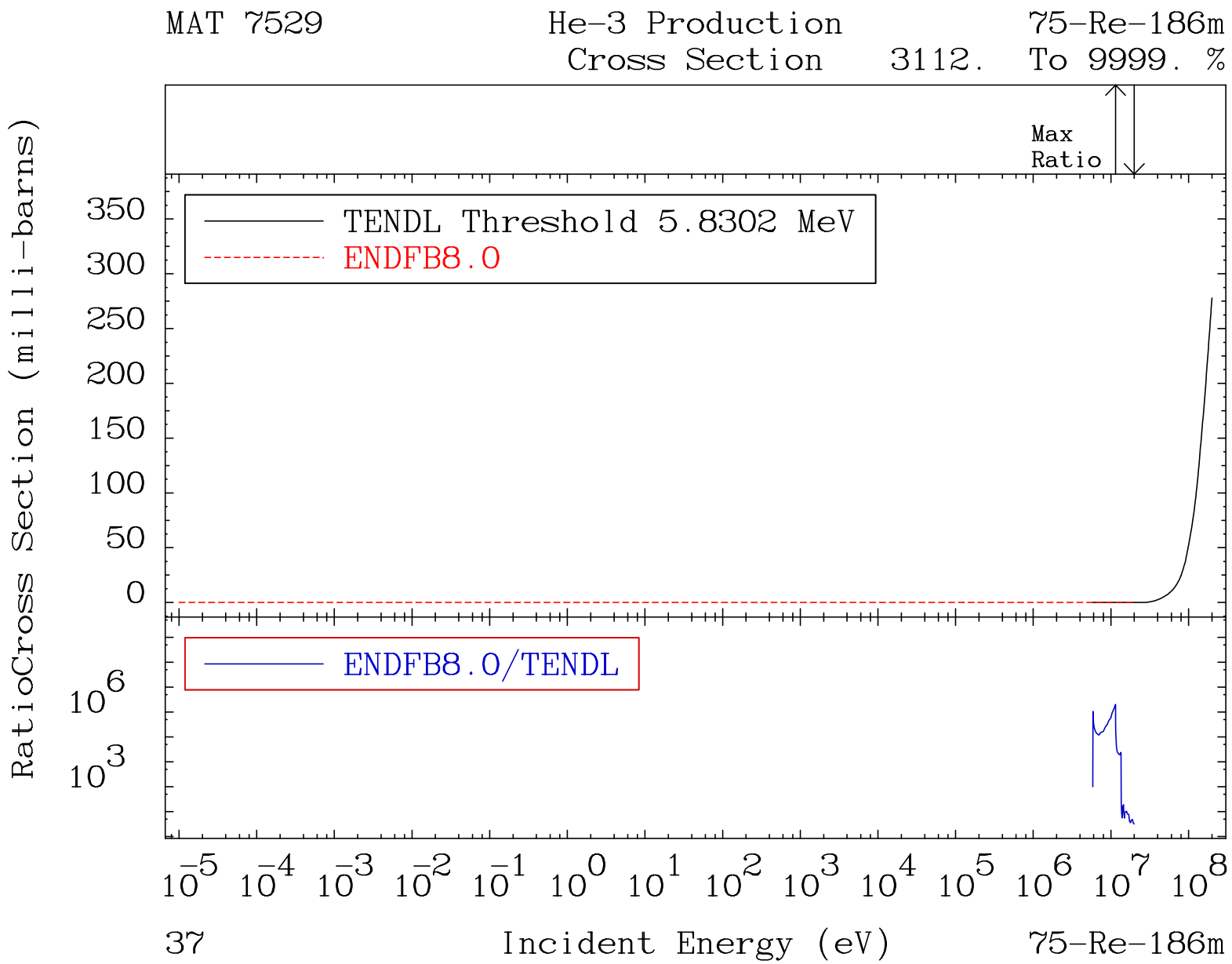

MAT 7529
(n,p)
Cross Section
75-Re-186m
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0 Threshold 10.000 eV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
120
60
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
32
Incident Energy (eV)
75-Re-186m

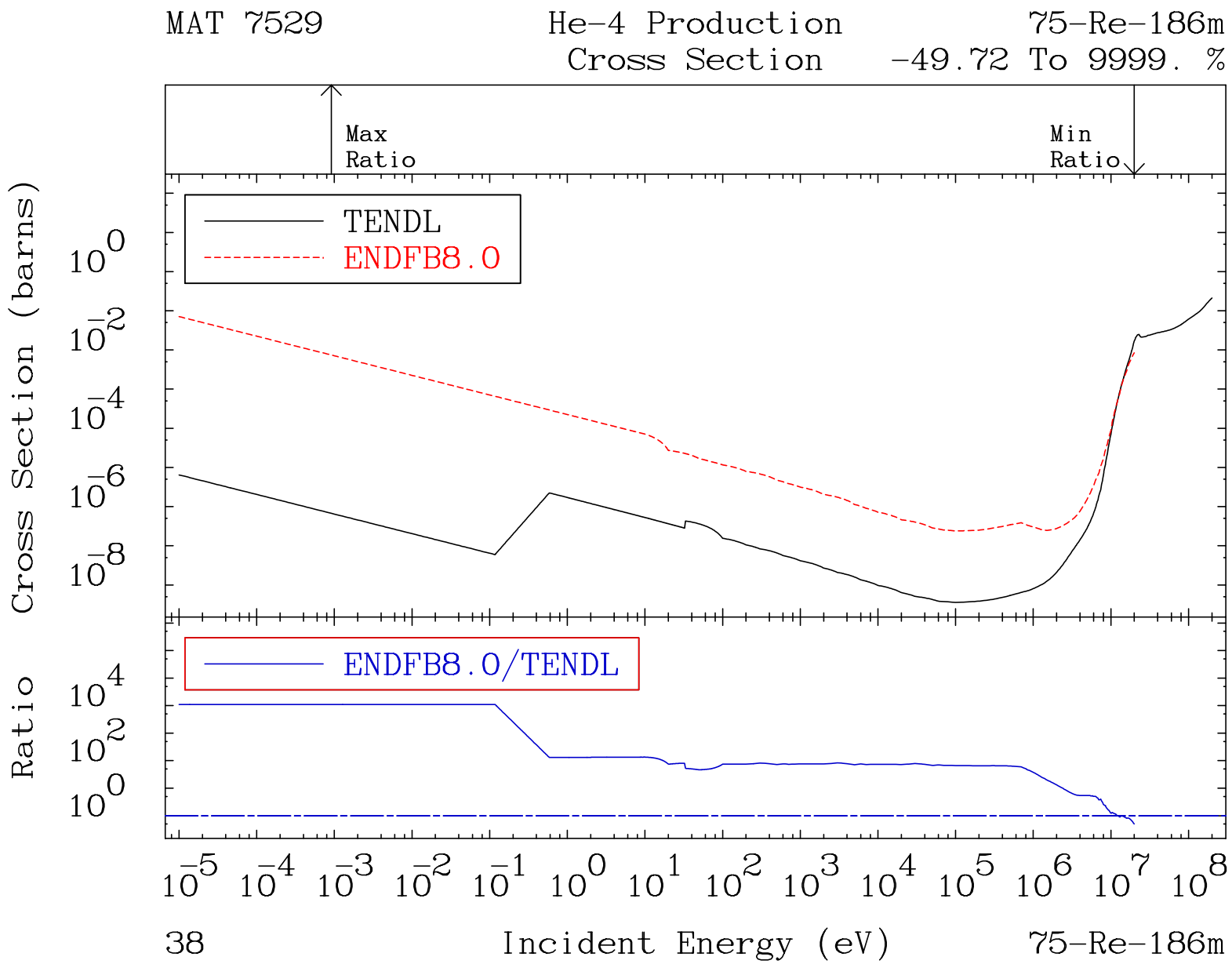

MAT 7529
(n,α)
75-Re-186m
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
33
75-Re-186m

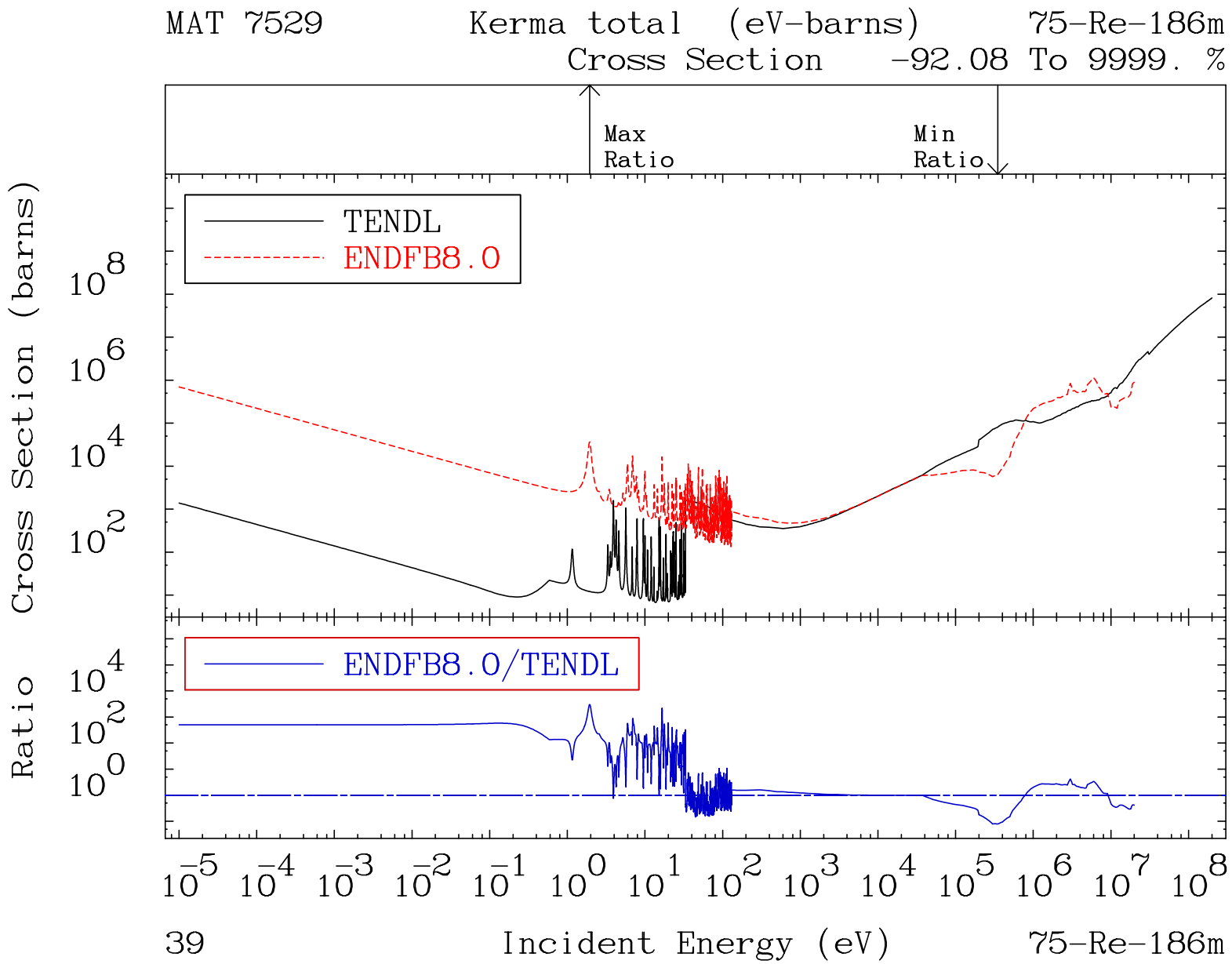

MAT 7529
Hydrogen Production
75-Re-186m
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
120
80
40
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
34
Incident Energy (eV)
75-Re-186m

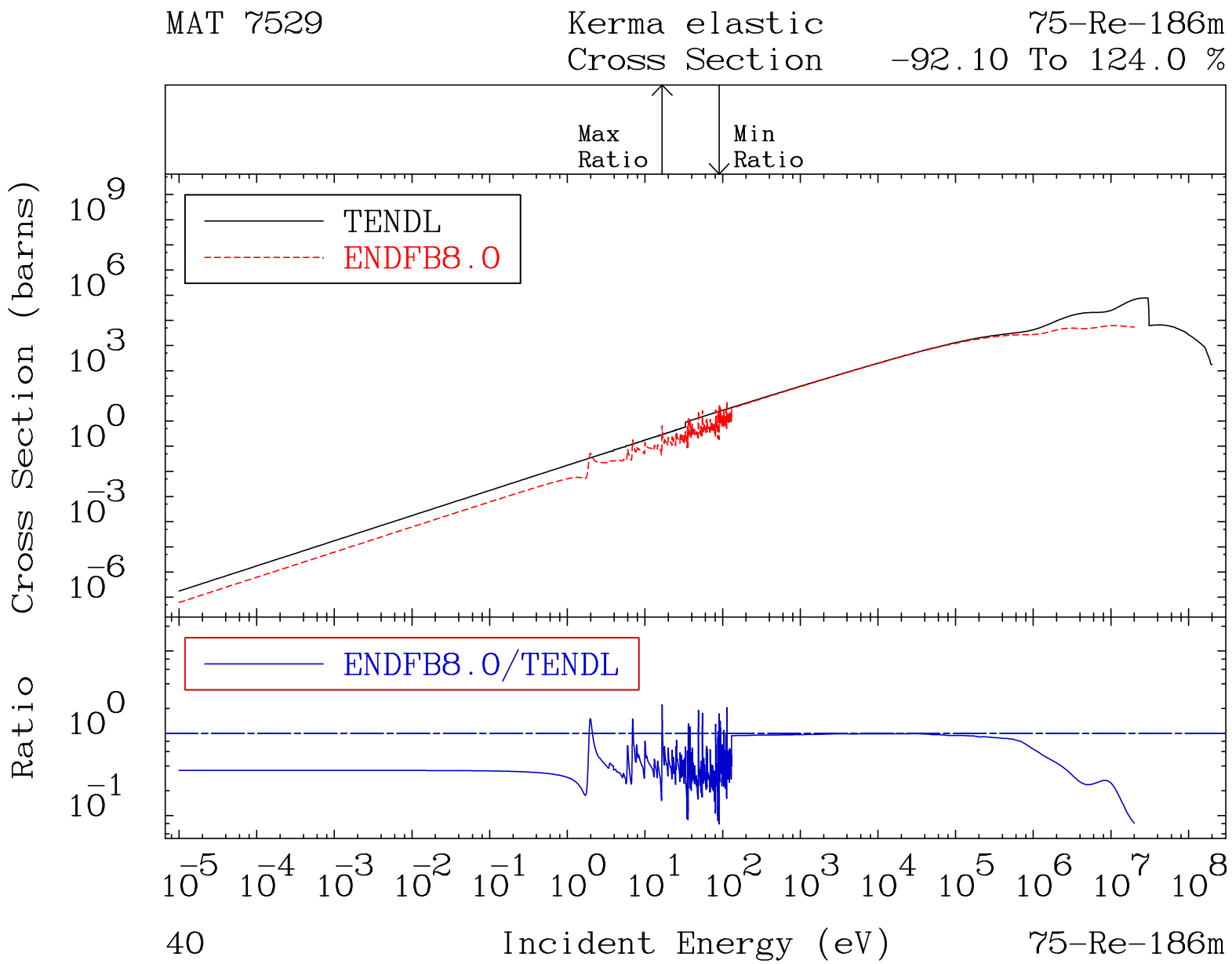

MAT 7529
Deuterium Production
75-Re-186m
Cross Section
-82.45 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.4736 MeV
ENDFB8.0
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
10^8
10^4
10^0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
35
Incident Energy (eV)
75-Re-186m

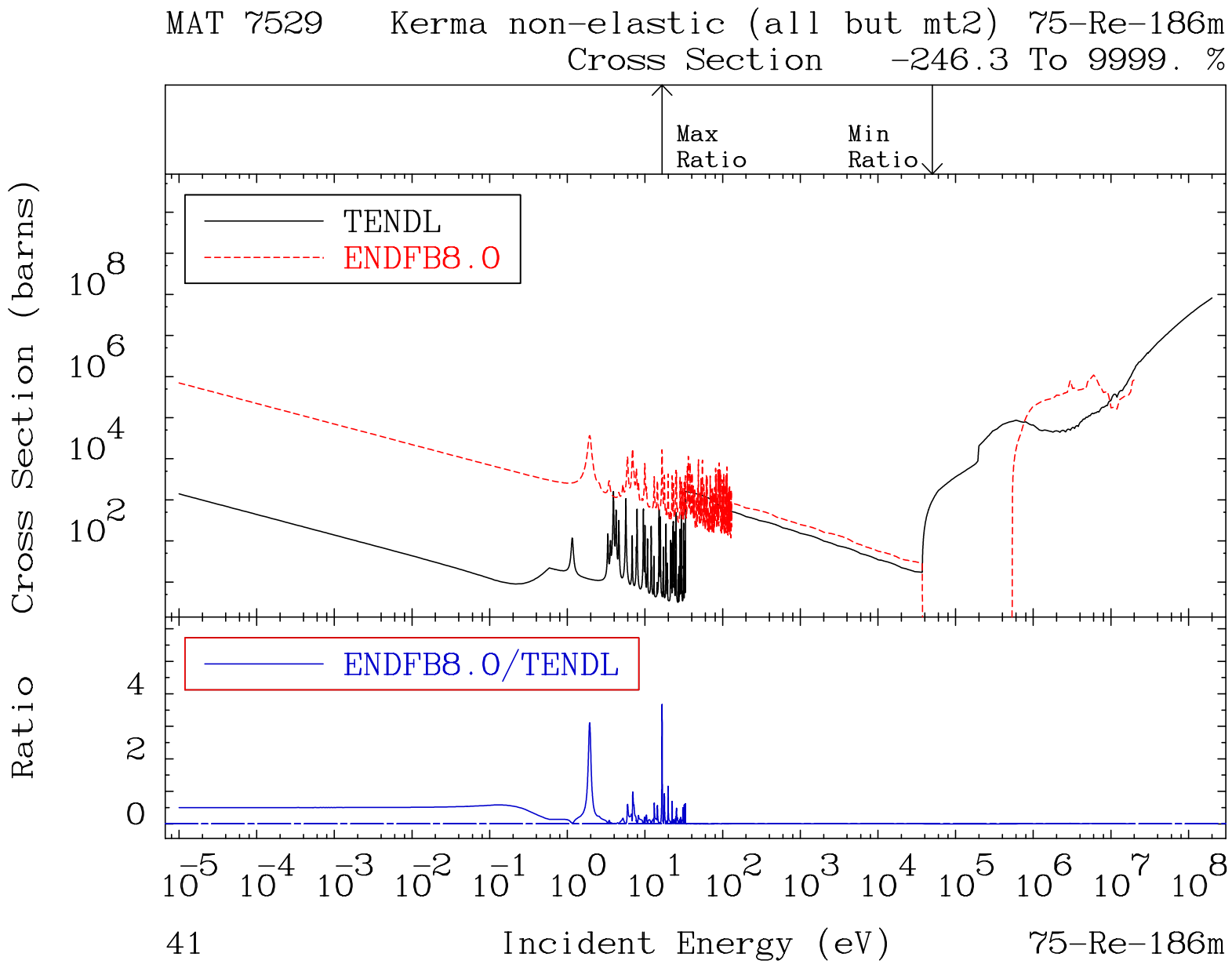

MAT 7529
Tritium Production
Cross Section
63.87 To 9999. %
75-Re-186m
Max Ratio
Min Ratio
TENDL Threshold 2.9673 MeV
ENDFB8.0
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
10^8
10^4
10^0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
36
Incident Energy (eV)
75-Re-186m

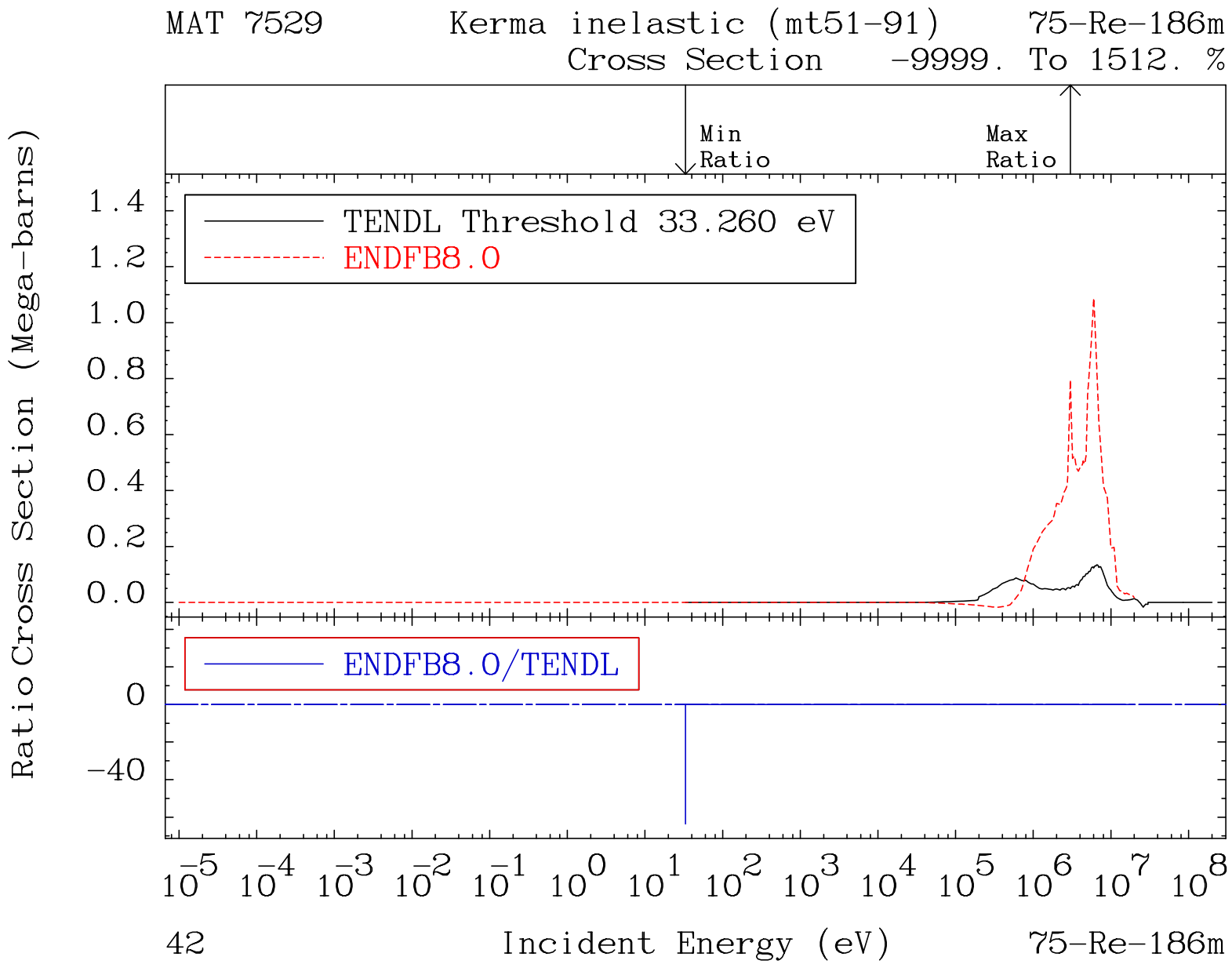

MAT 7529
He-3 Production
Cross Section
3112.
75-Re-186m
To 9999. %
Max
Ratio
TENDL Threshold 5.8302 MeV
ENDFB8.0
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
10^6
10^3
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
37
Incident Energy (eV)
75-Re-186m

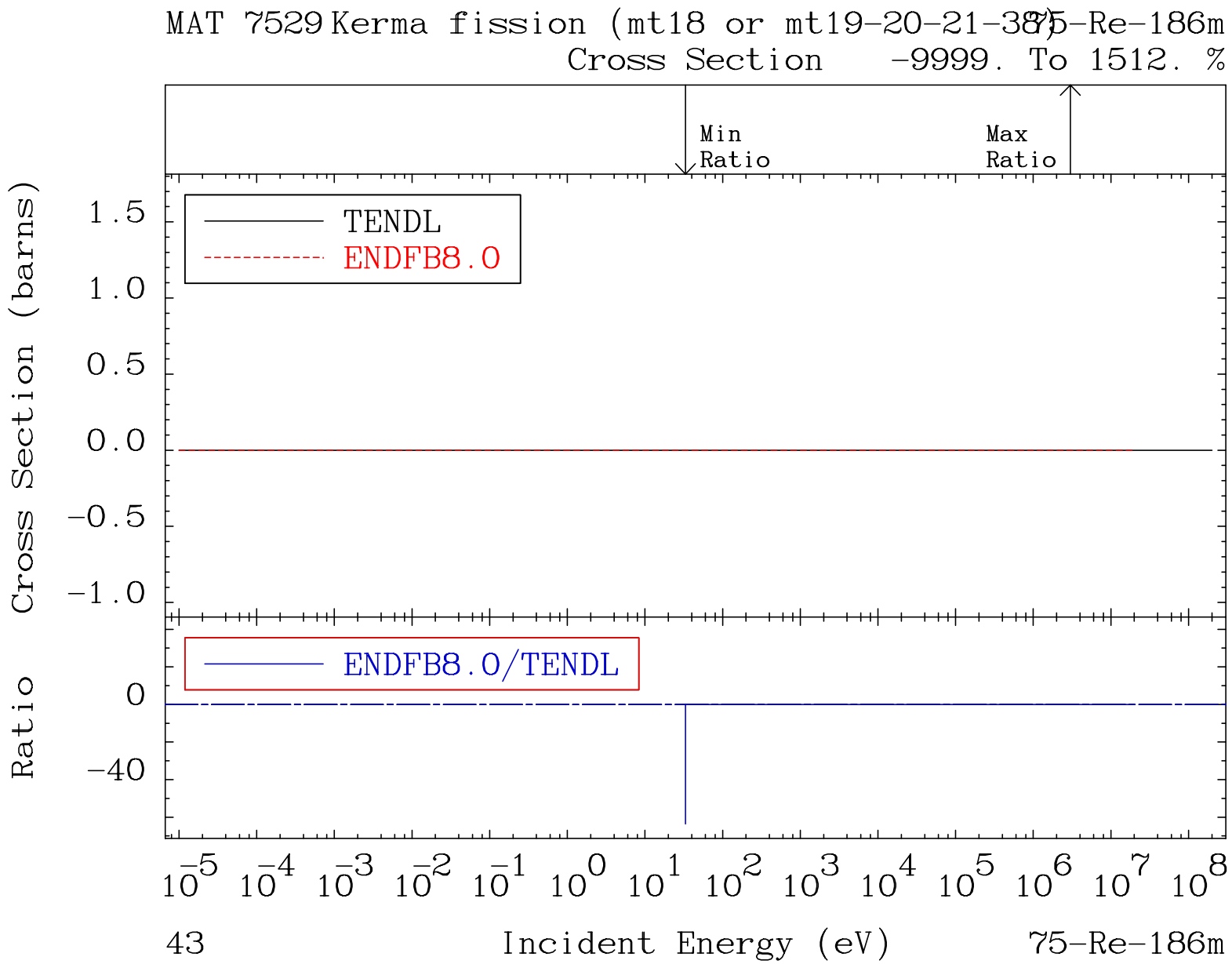

MAT 7529
He-4 Production
Cross Section
75-Re-186m
-49.72 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
38
75-Re-186m

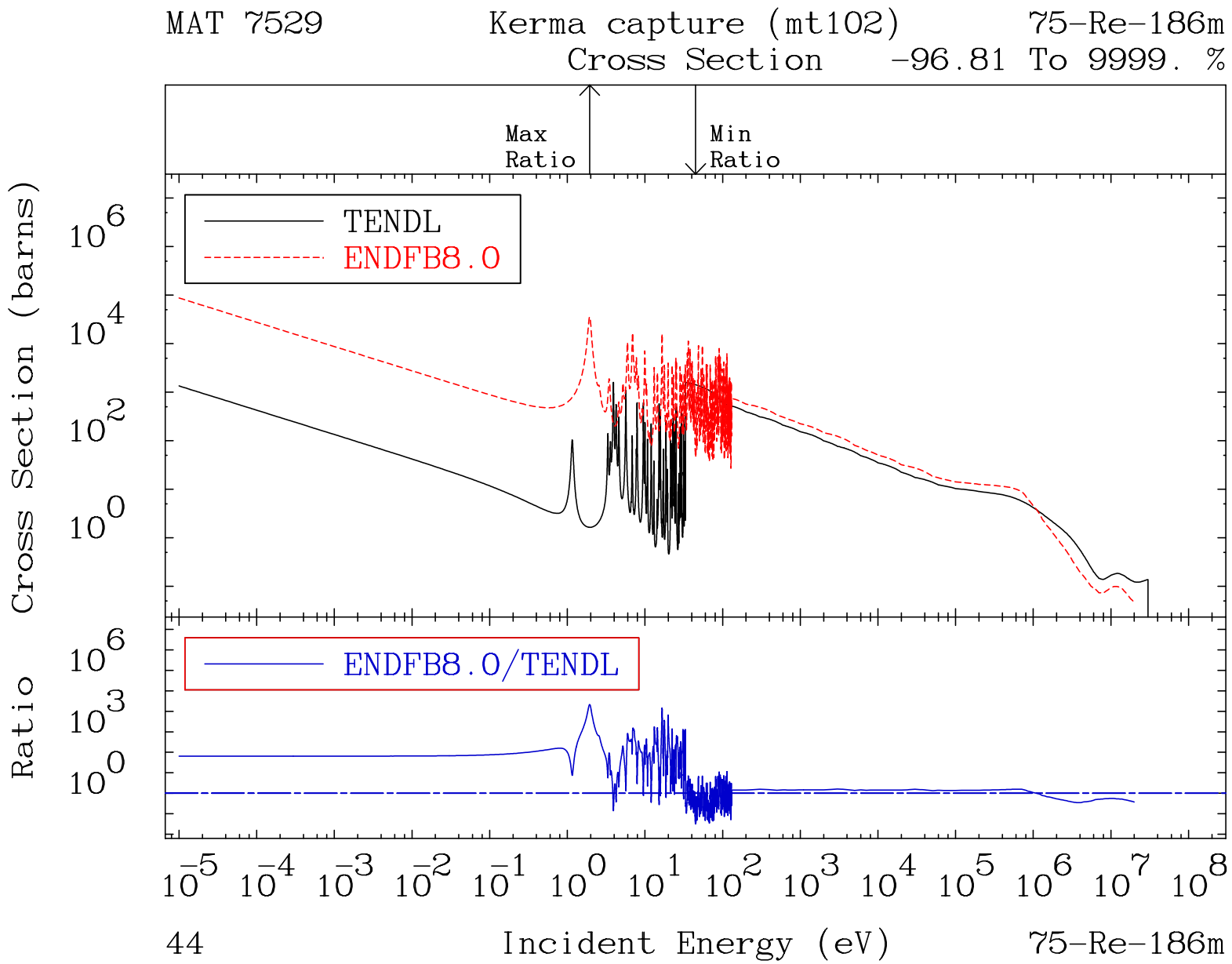

MAT 7529
Kerma total (eV-barns)
75-Re-186m
Cross Section -92.08 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
Ratio
ENDFB8.0/TENDL
Incident Energy (eV)
39
75-Re-186m

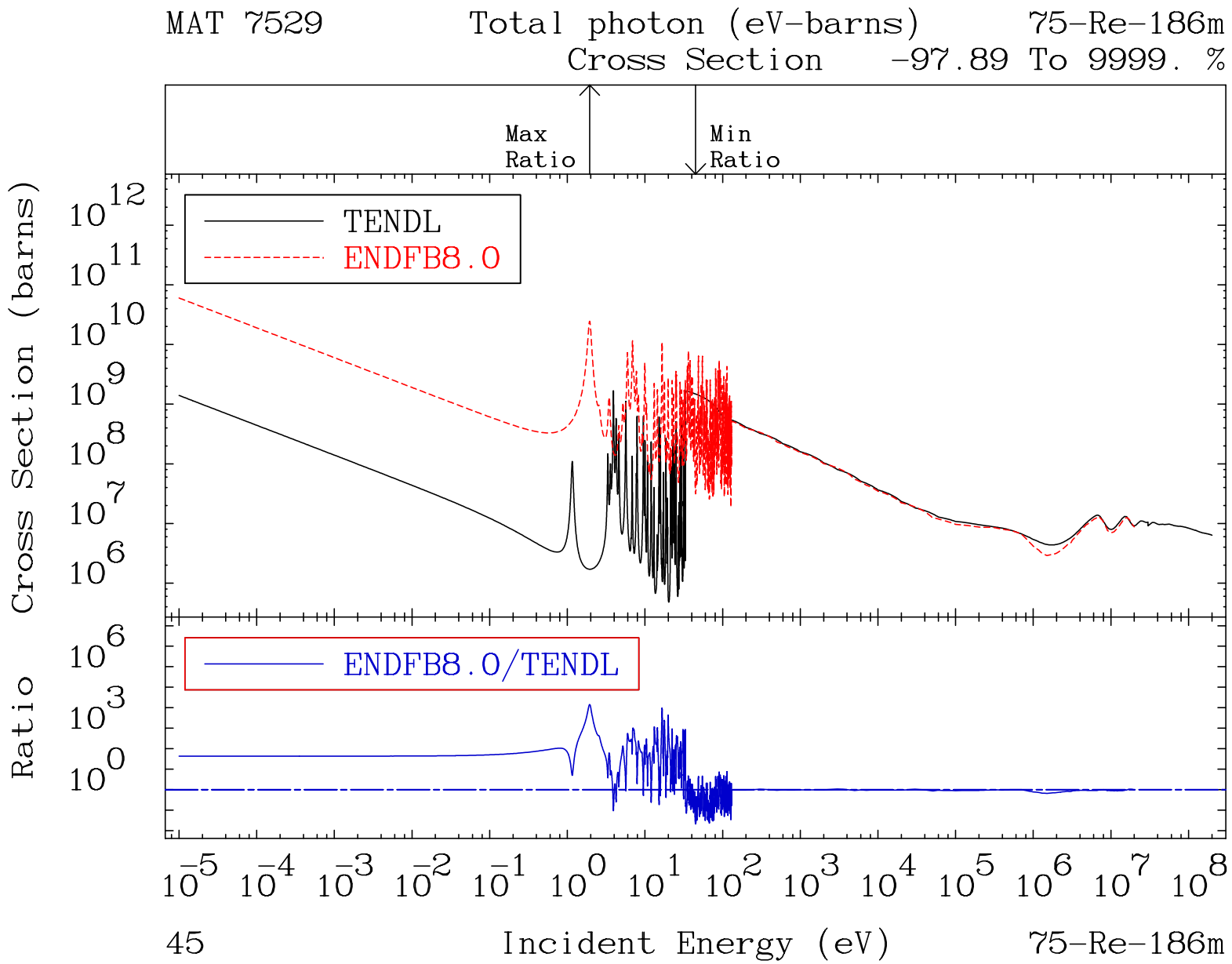

MAT 7529
Kerma elastic
Cross Section
75-Re-186m
-92.10 To 124.0 %
Max
Ratio
Min
Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
40
75-Re-186m

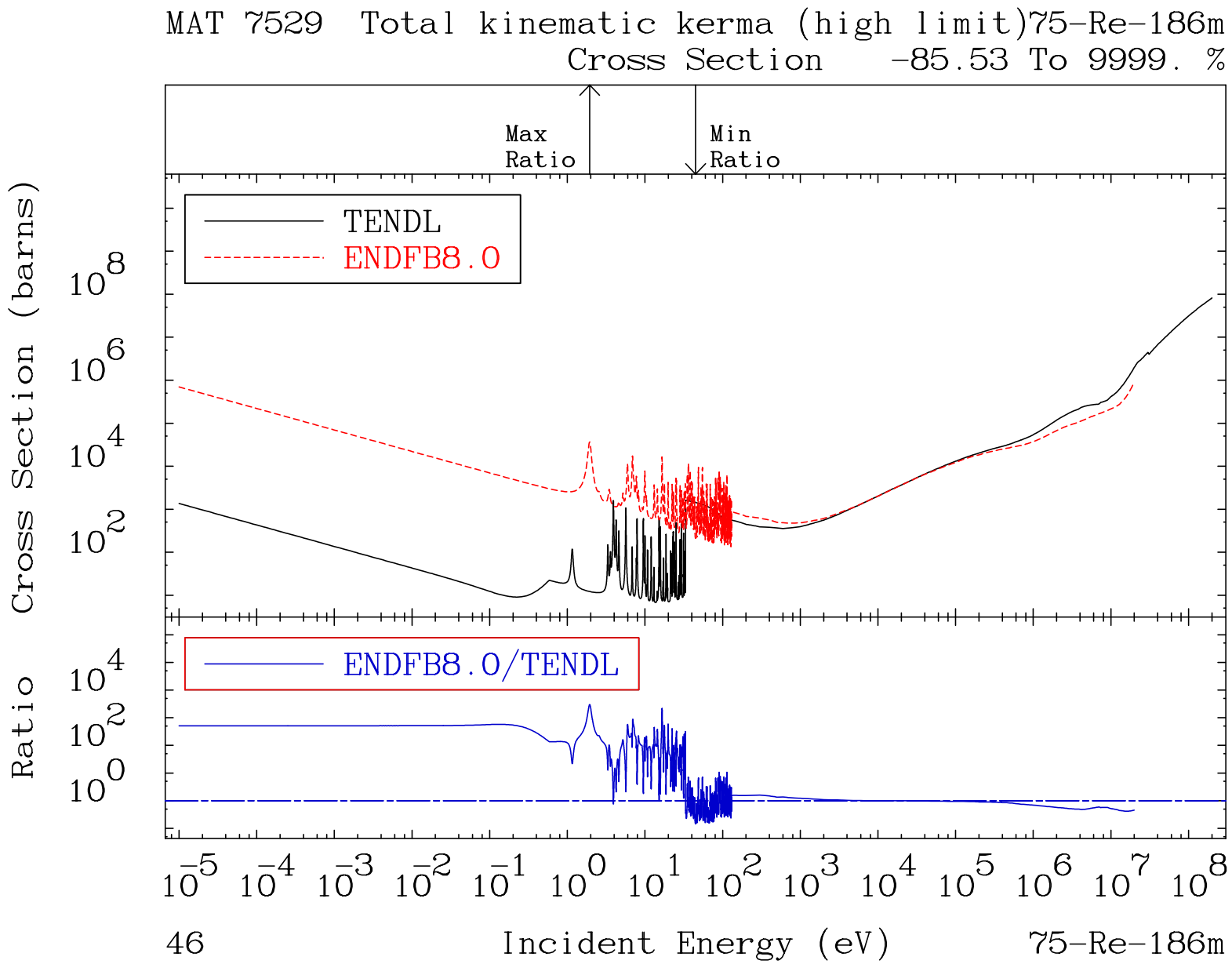

MAT 7529 Kerma non-elastic (all but mt2) 75-Re-186m
Cross Section -246.3 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
41
75-Re-186m

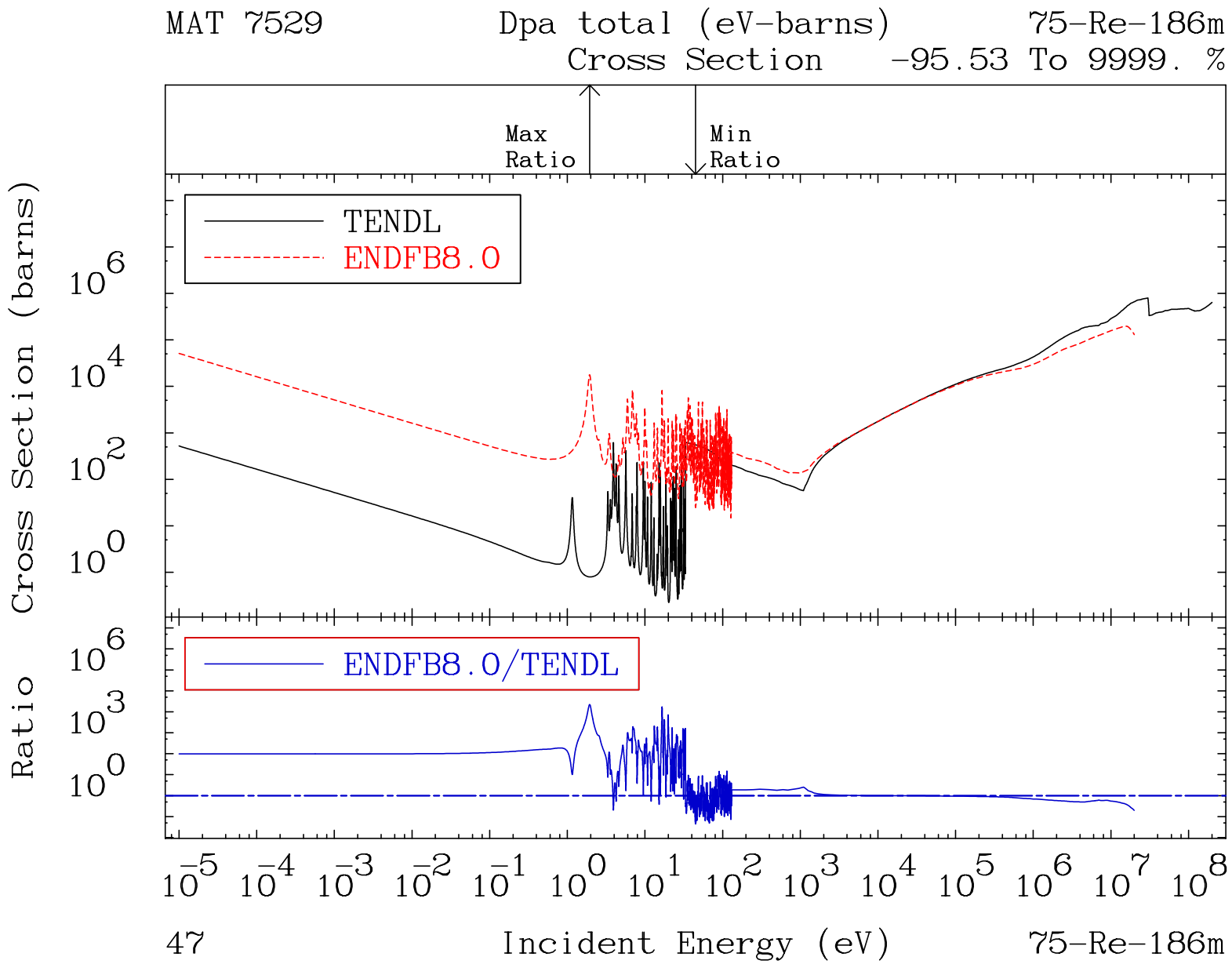

MAT 7529
Kerma inelastic (mt51-91)
75-Re-186m
Cross Section -9999. To 1512. %
Min Ratio
Max Ratio
TENDL Threshold 33.260 eV
ENDFB8.0
ENDFB8.0/TENDL
Ratio Cross Section (Mega-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
-40
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
42
Incident Energy (eV)
75-Re-186m

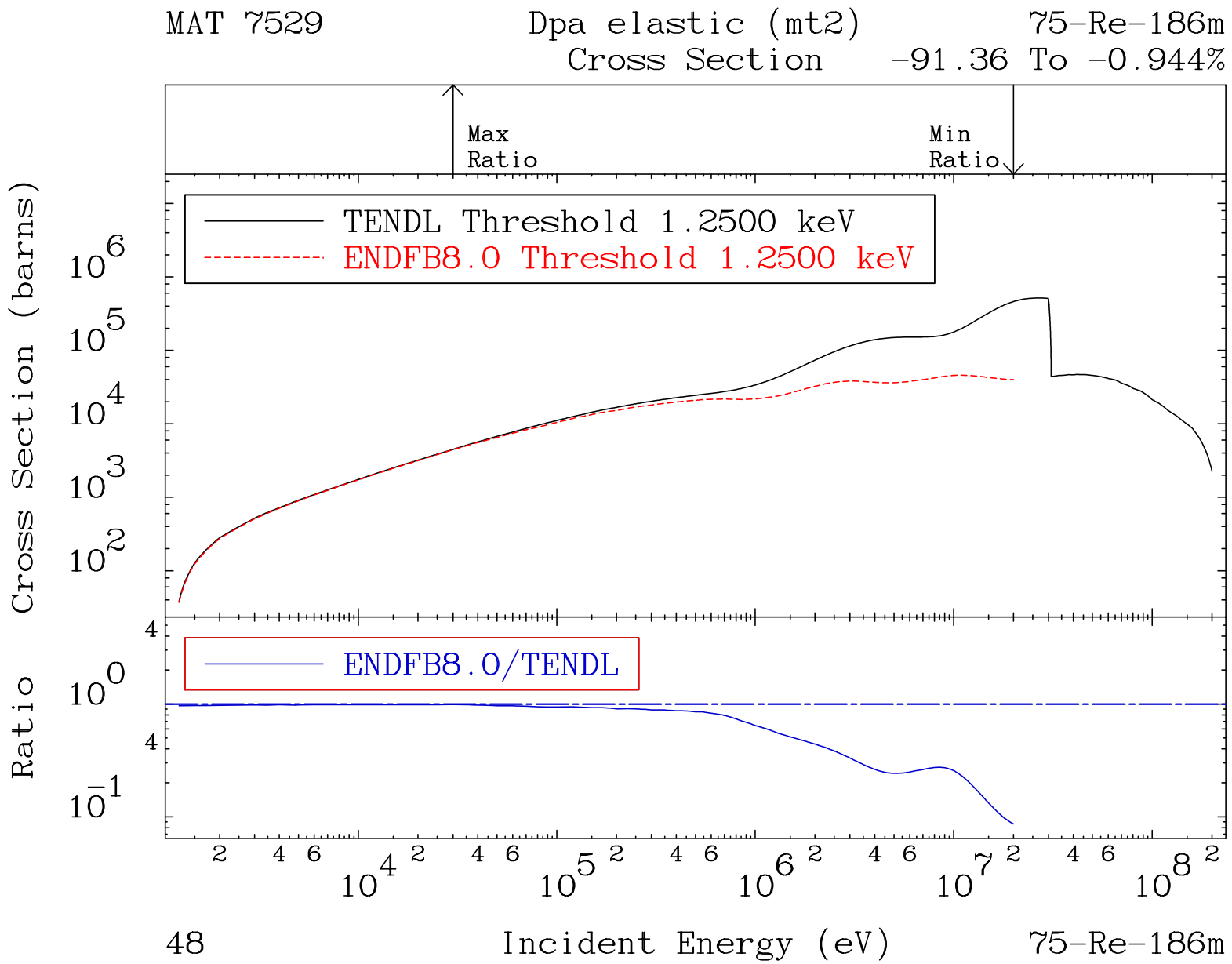

MAT 7529 Kerma fission (mt18 or mt19-20-21-38) 75-Re-186m
Cross Section -9999. To 1512. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
0
-40
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
43
Incident Energy (eV)
75-Re-186m

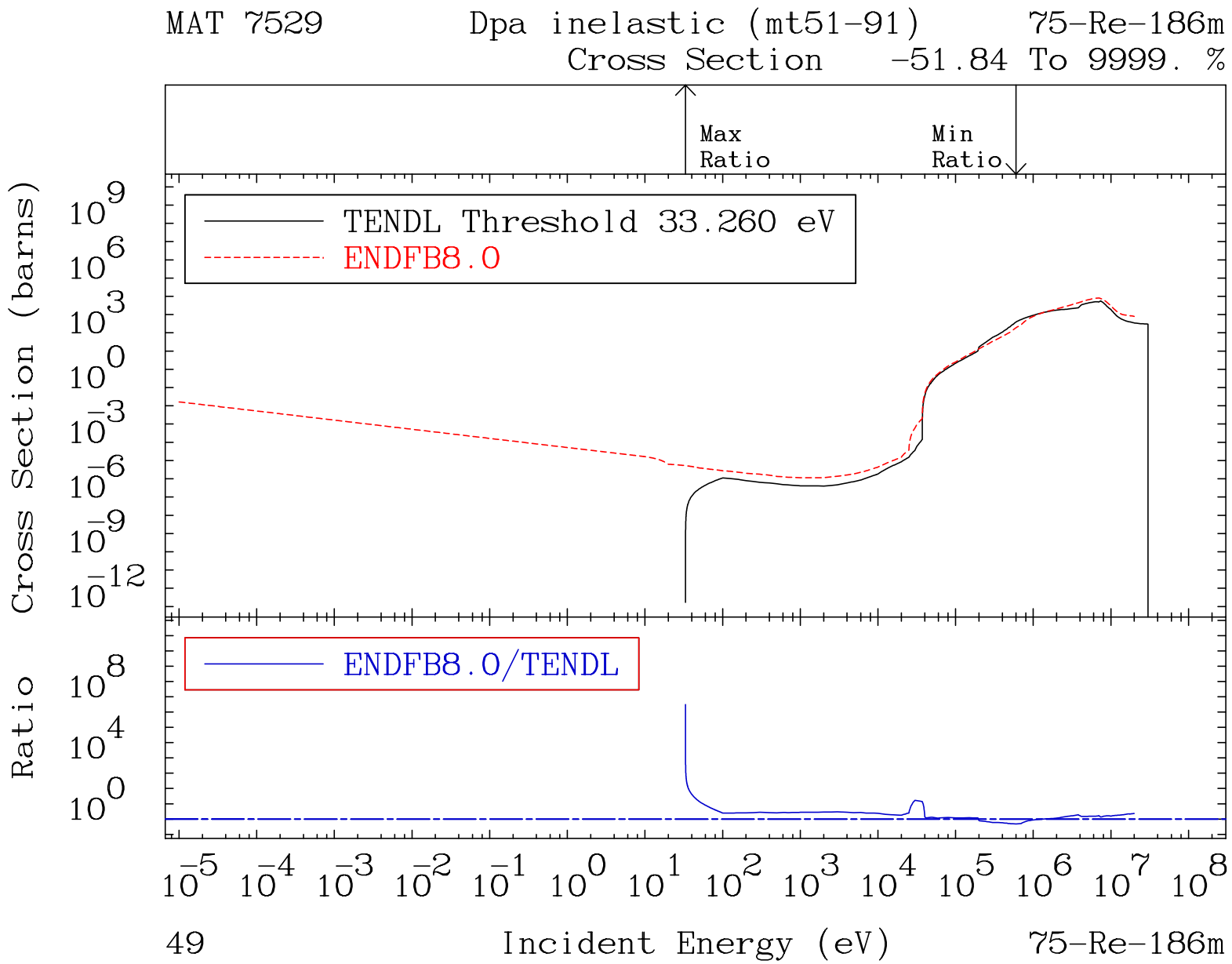

MAT 7529
Kerma capture (mt102)
75-Re-186m
Cross Section -96.81 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
44
75-Re-186m

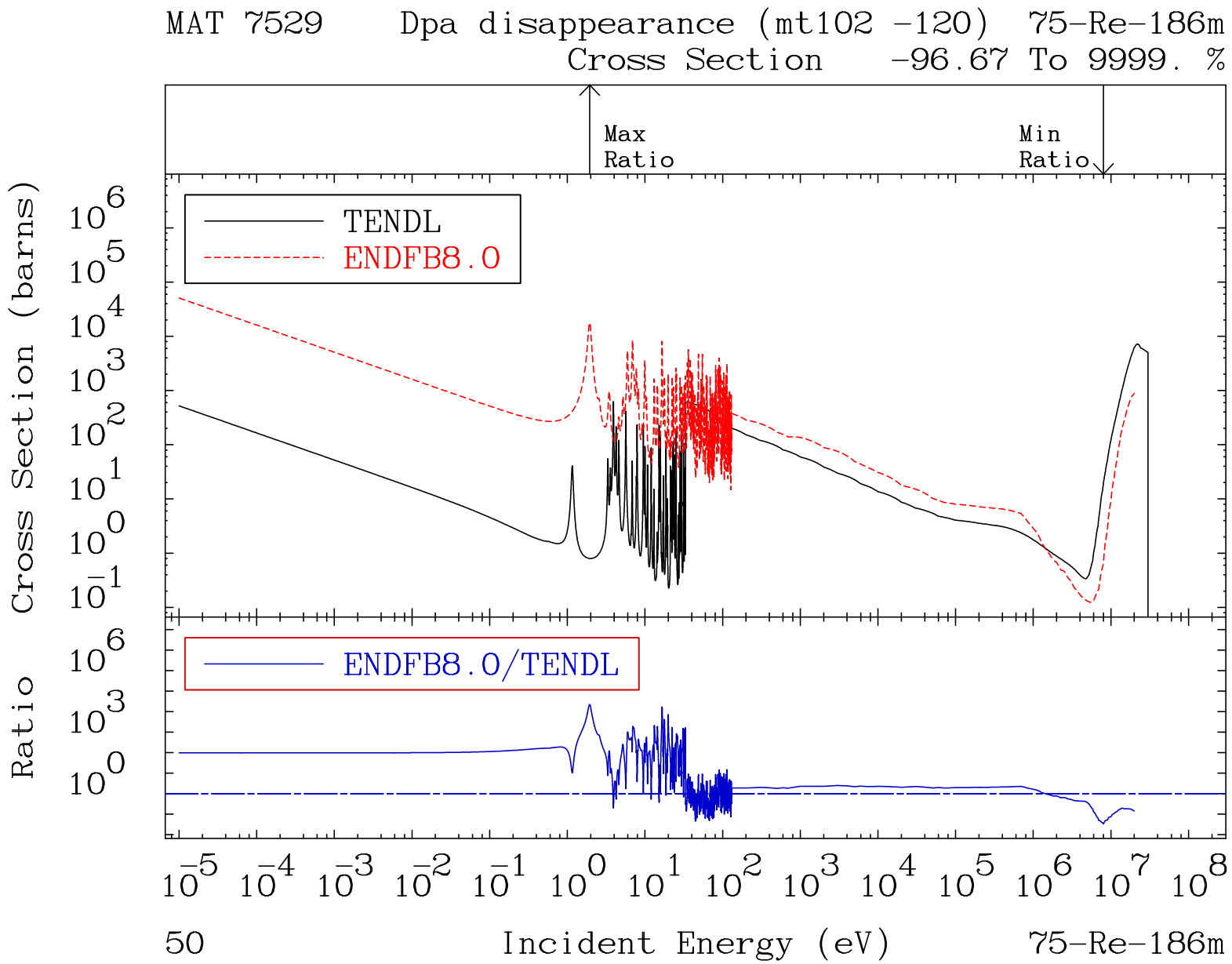

MAT 7529
Total photon (eV-barns)
75-Re-186m
Cross Section -97.89 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
45
75-Re-186m

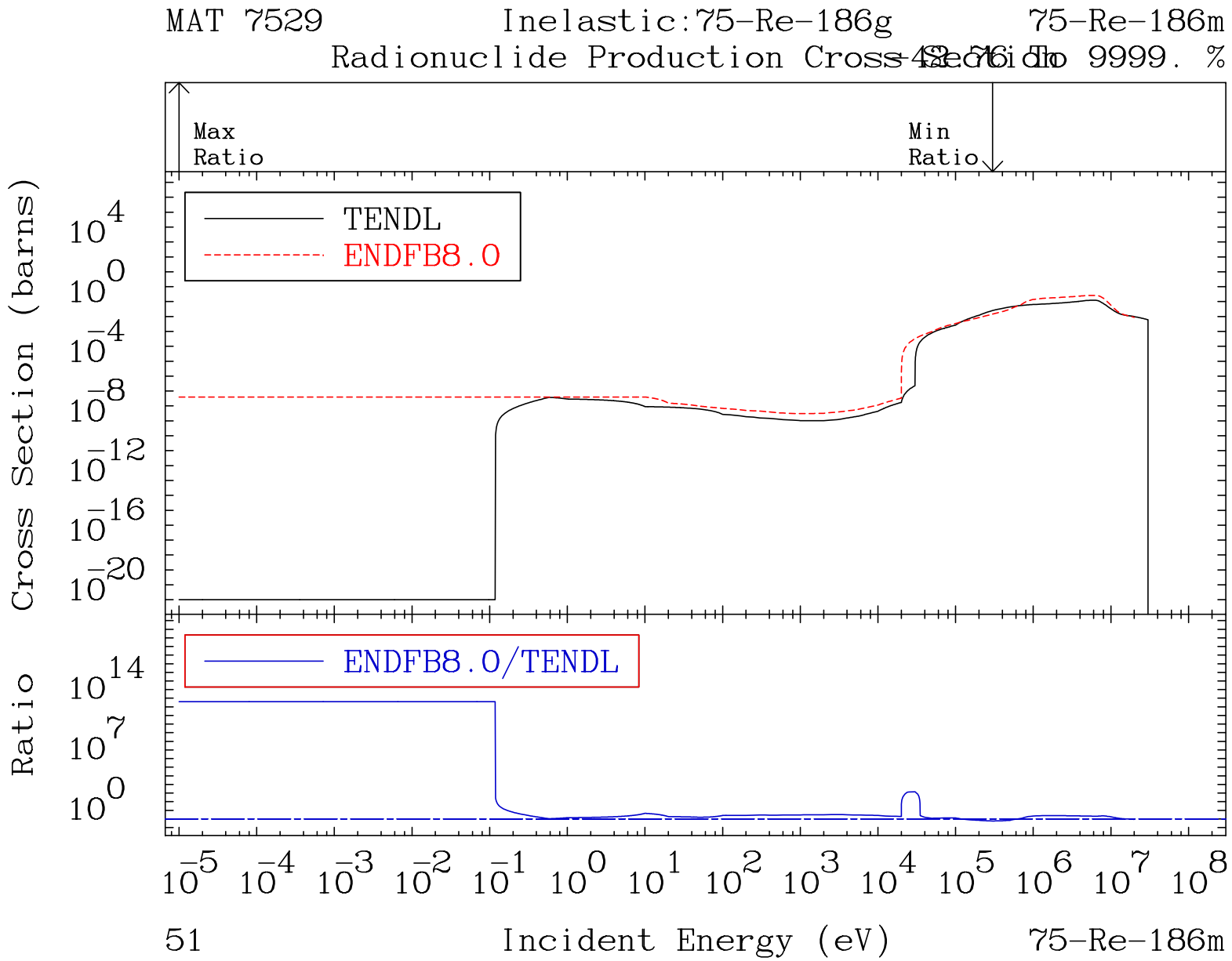

MAT 7529 Total kinematic kerma (high limit)75-Re-186m
Cross Section -85.53 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
10^8
10^6
10^4
10^2
ENDFB8.0/TENDL
Ratio
10^4
10^2
10^0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
46
Incident Energy (eV)
75-Re-186m

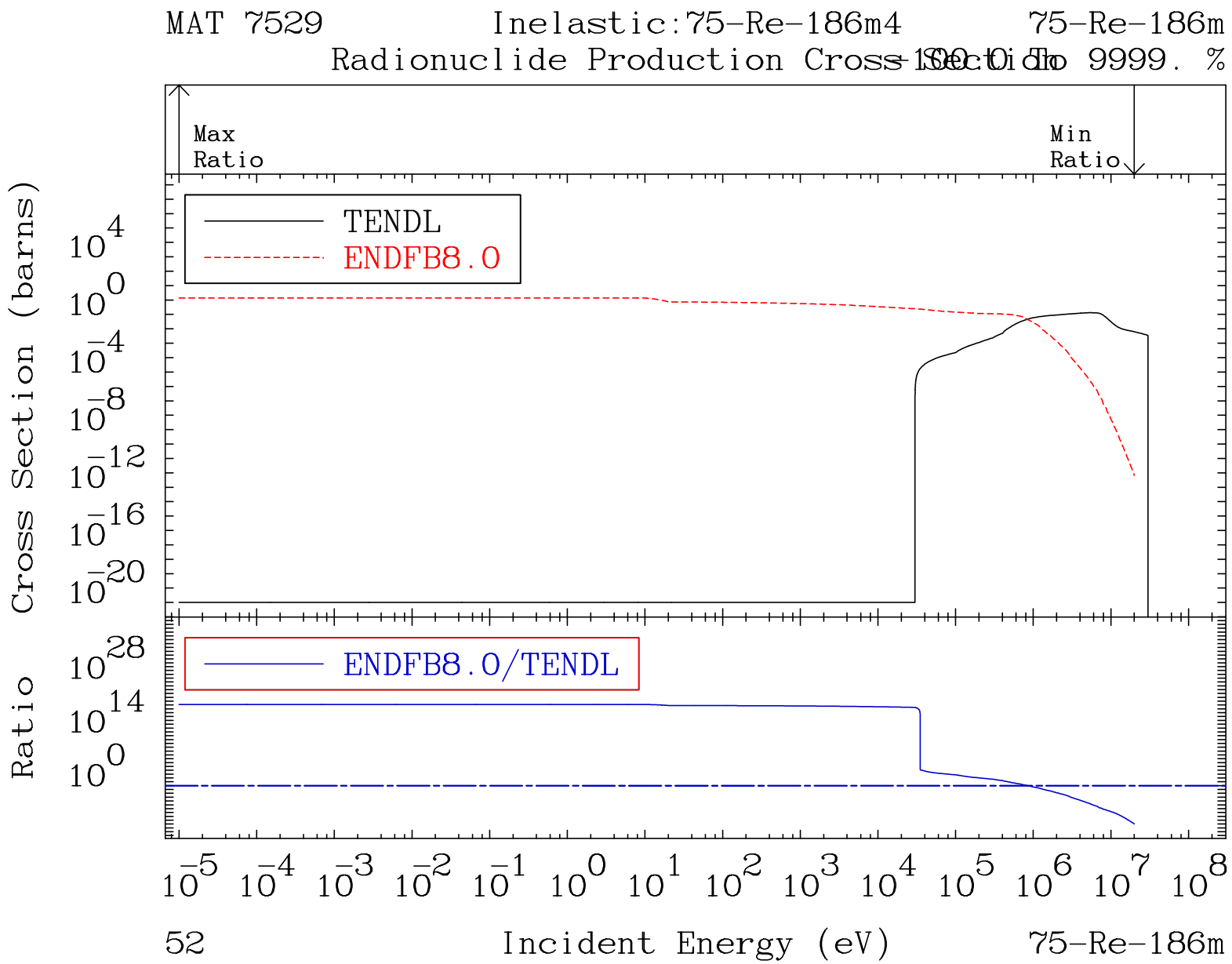

MAT 7529
Dpa total (eV-barns)
75-Re-186m
Cross Section -95.53 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47
75-Re-186m


MAT 7529
Dpa elastic (mt2)
Cross Section
75-Re-186m
-91.36 To -0.944%
Max
Ratio
Min
Ratio
TENDL Threshold 1.2500 keV
ENDFB8.0 Threshold 1.2500 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
48
75-Re-186m


MAT 7529
Dpa inelastic (mt51-91)
75-Re-186m
Cross Section -51.84 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 33.260 eV
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
49
75-Re-186m


MAT 7529 Dpa disappearance (mt102 -120) 75-Re-186m
Cross Section -96.67 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
50
75-Re-186m


MAT 7529
Inelastic:75-Re-186g
75-Re-186m
Radionuclide Production Cross Section
42.76 To 9999. %
Max
Ratio
Min
Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
75-Re-186m


MAT 7529
Inelastic:75-Re-186m4
75-Re-186m
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
75-Re-186m