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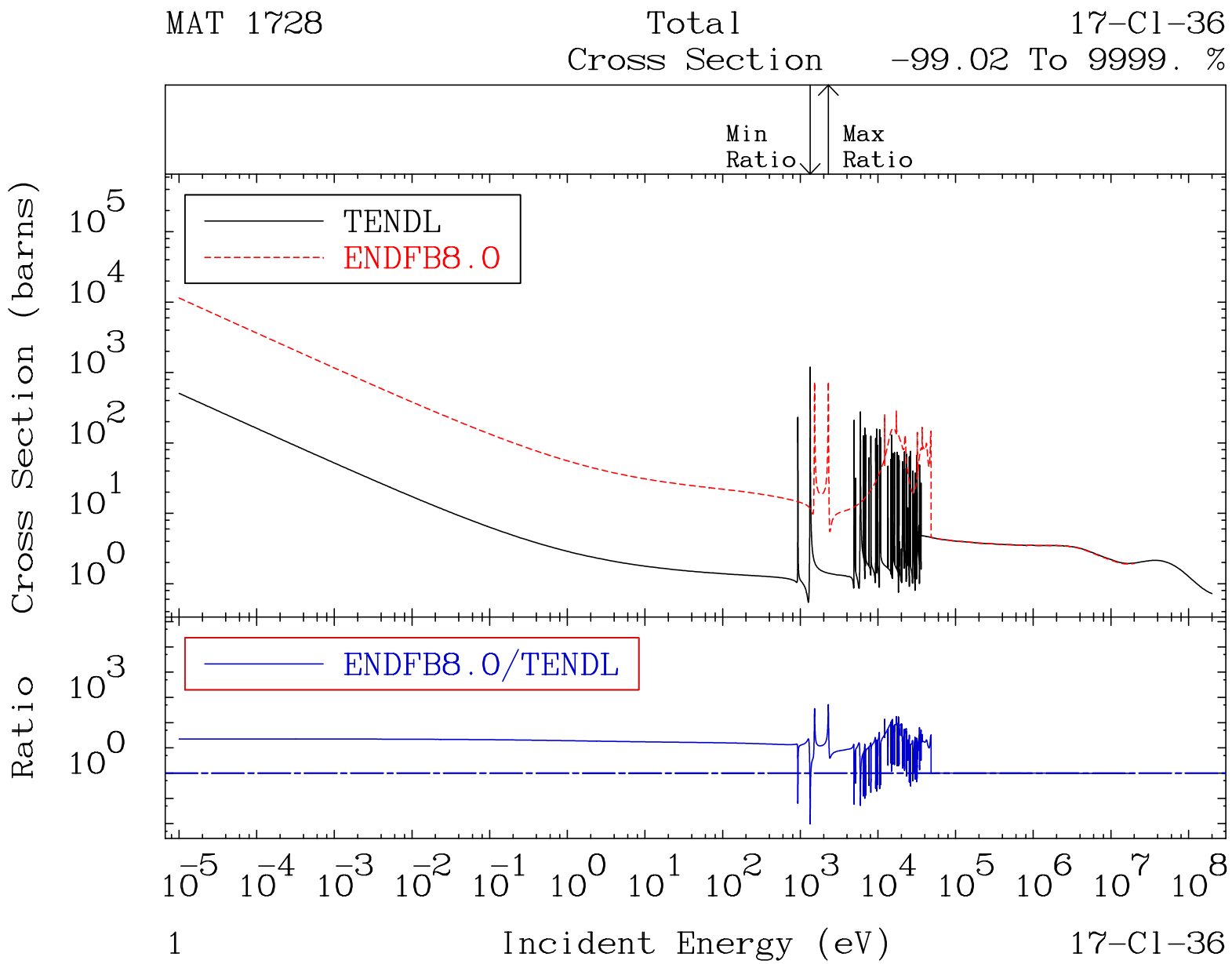
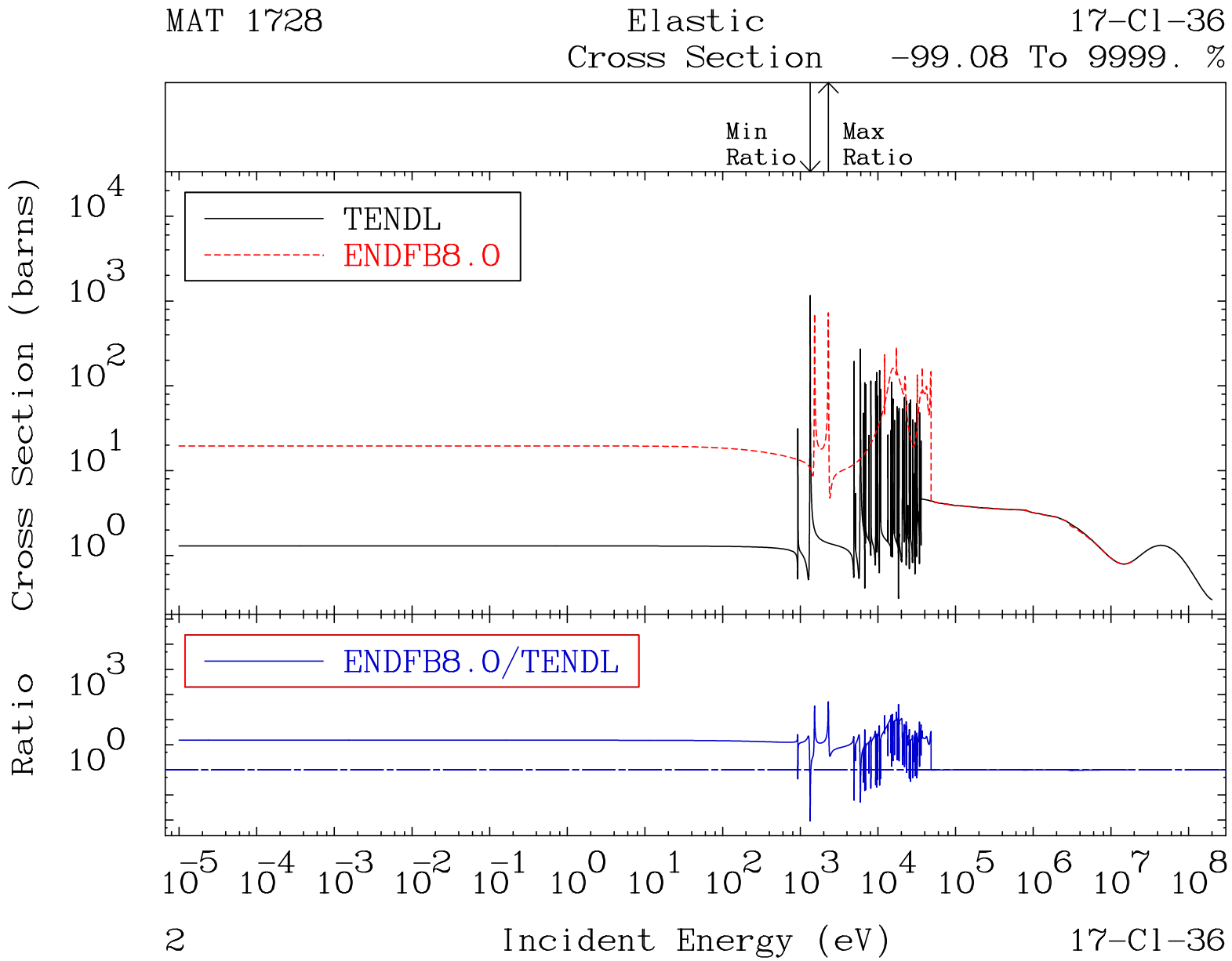
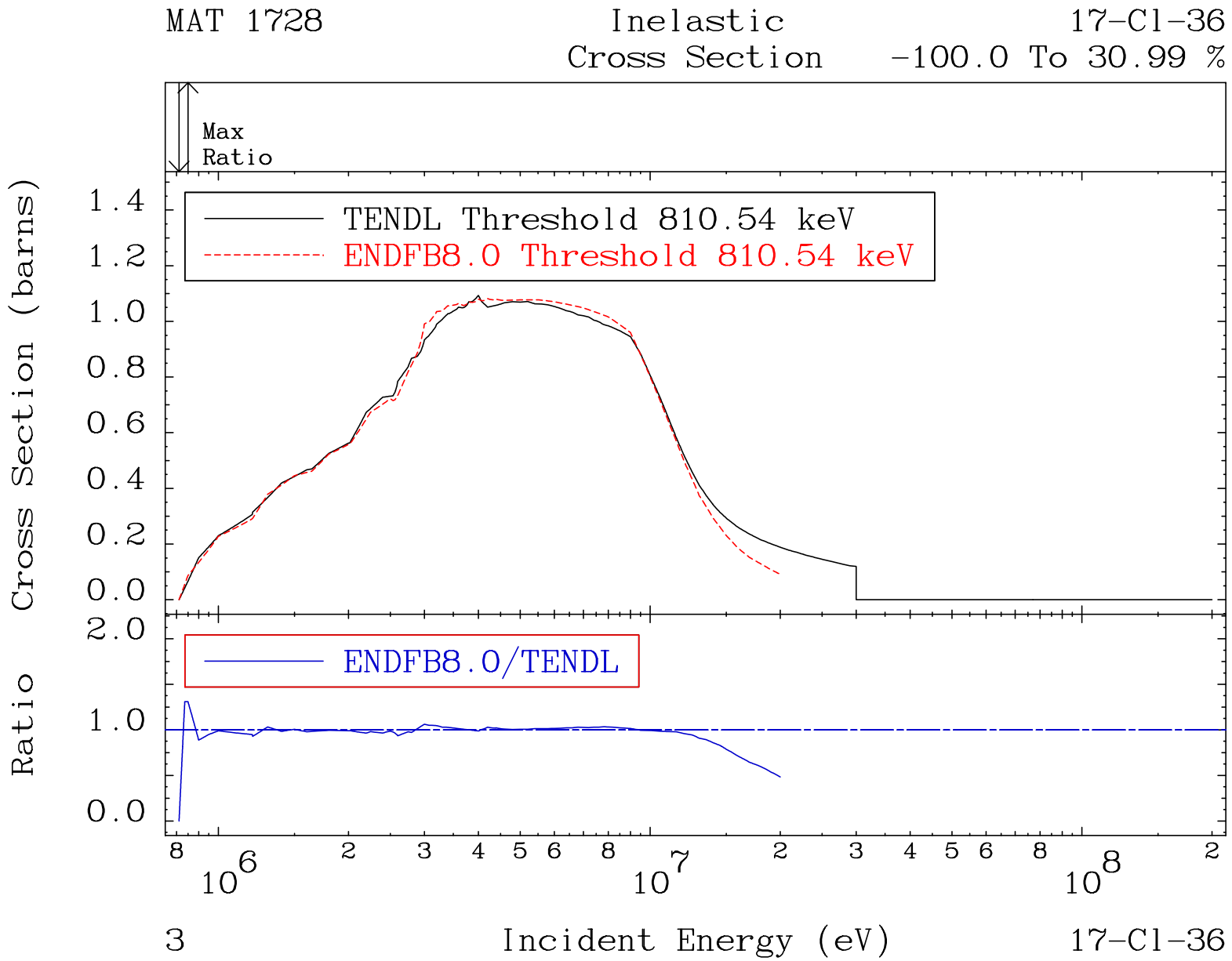
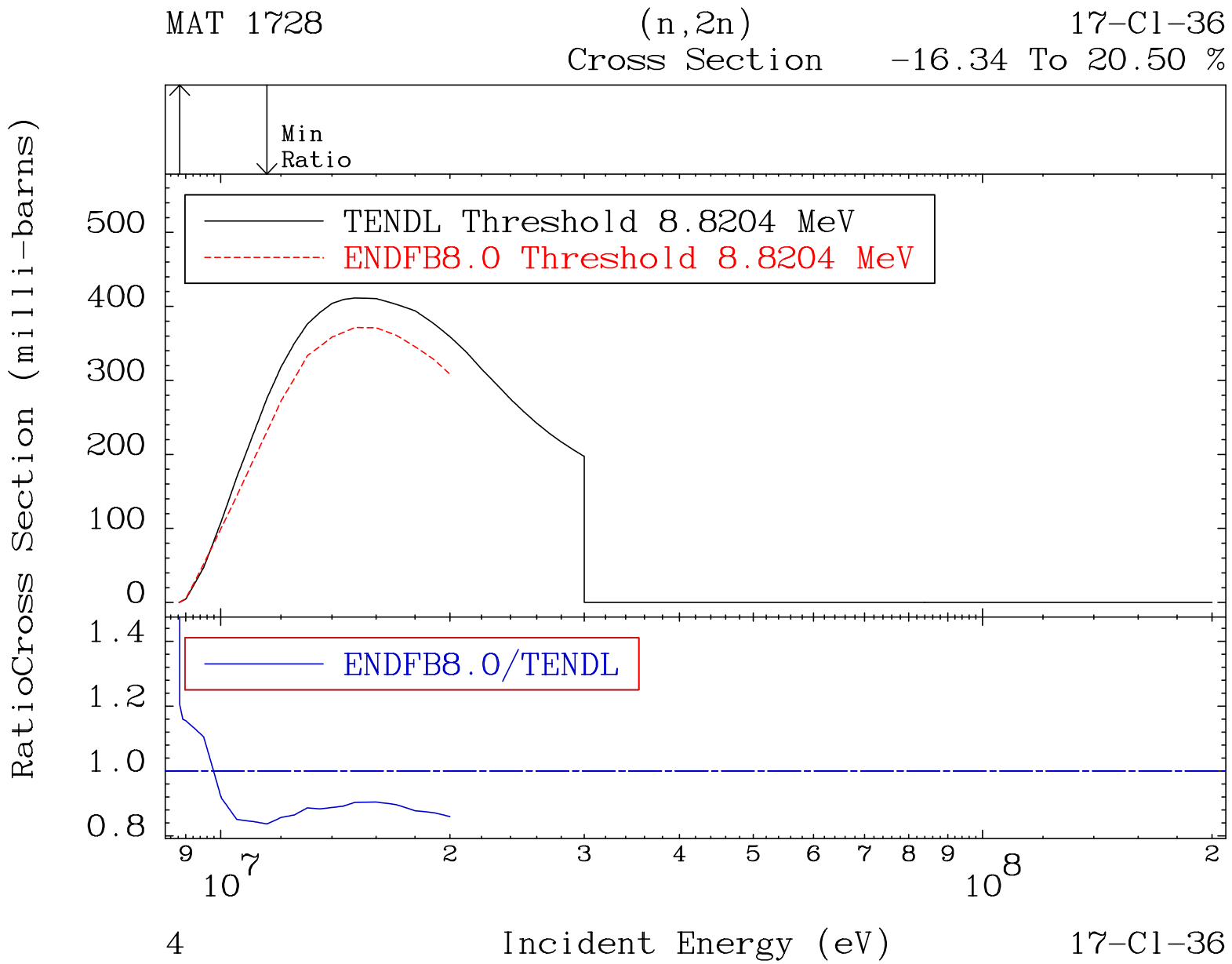
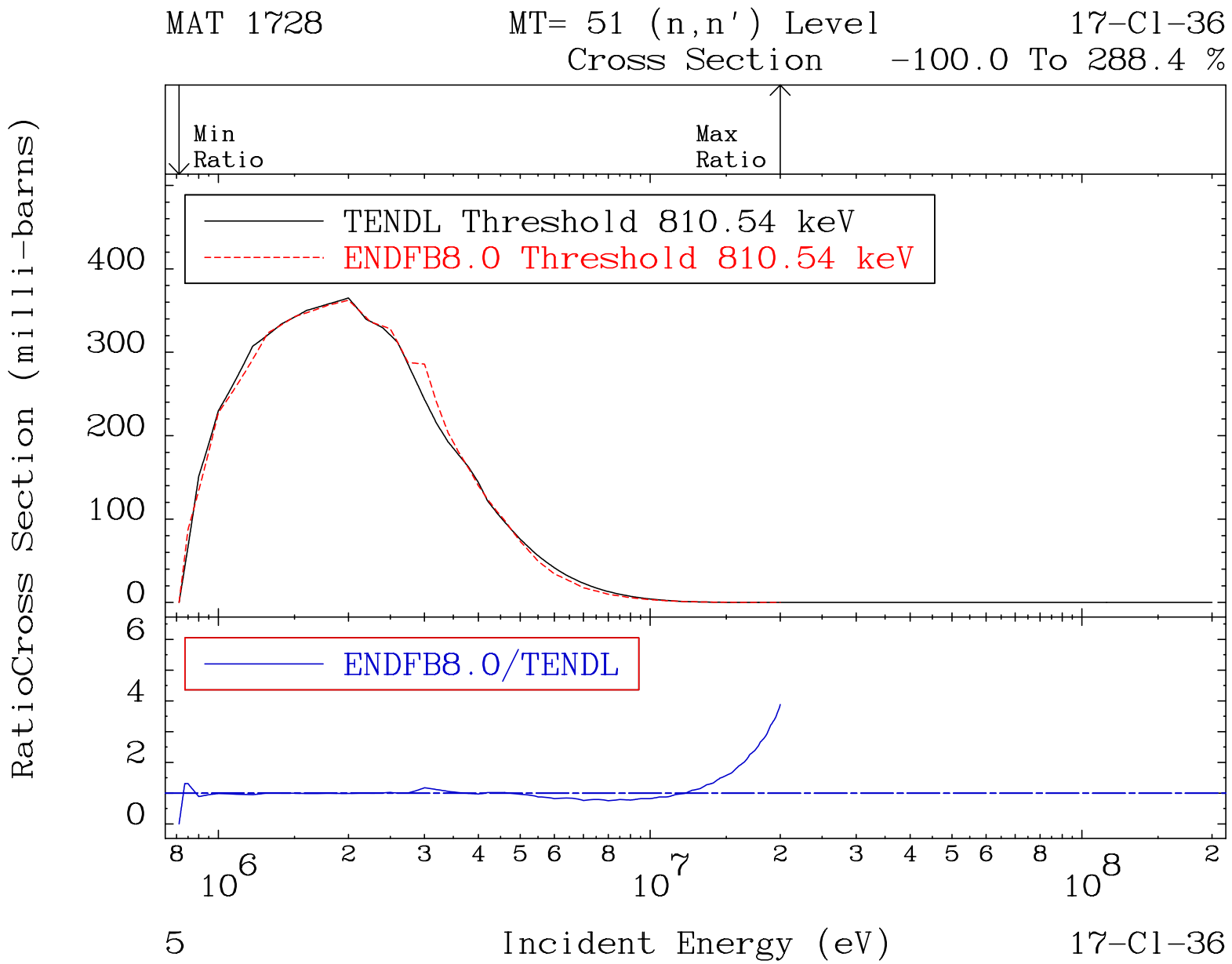
Press Mouse Button to Start

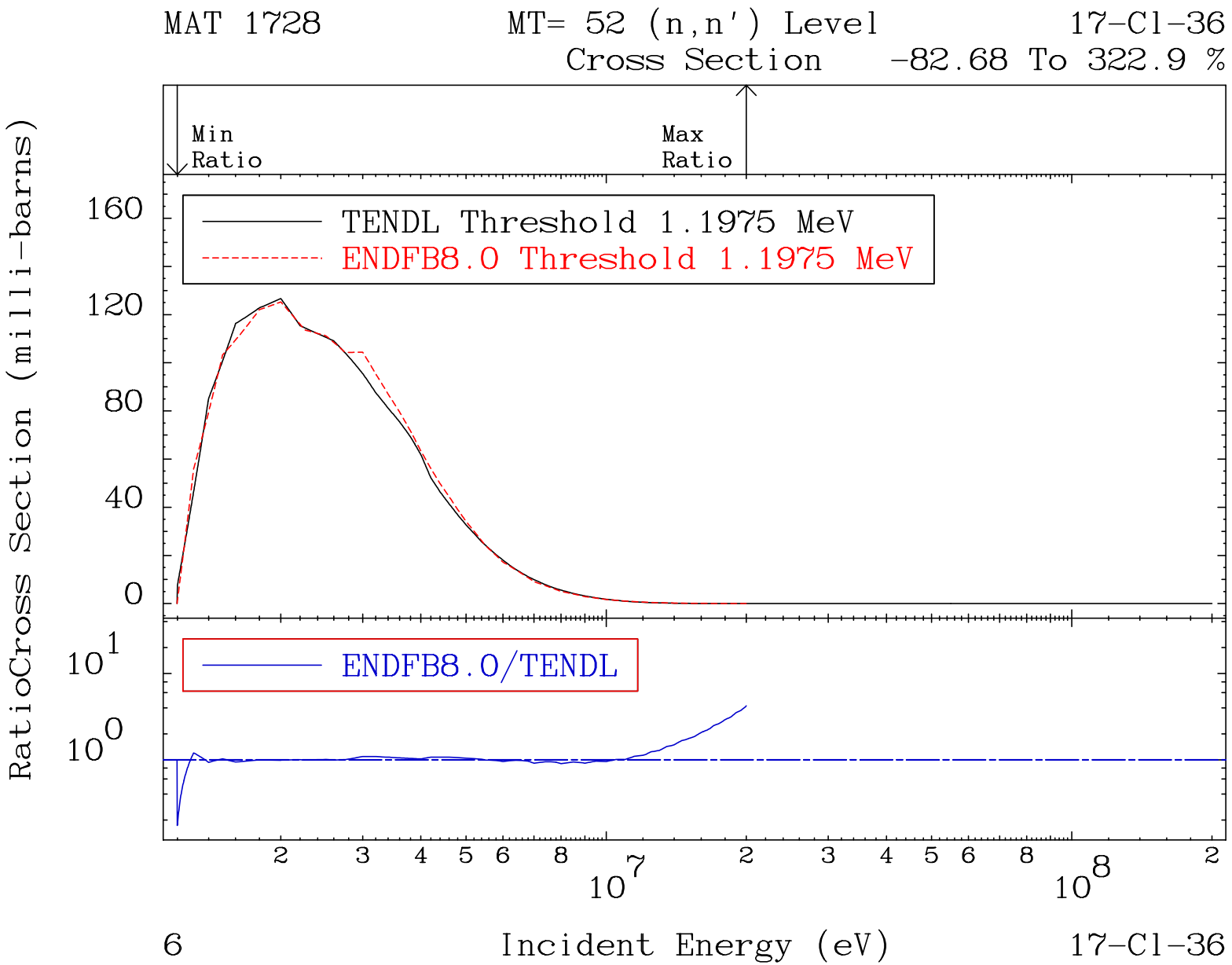

MAT 1728
Total
Cross Section
17-Cl-36
-99.02 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
17-Cl-36

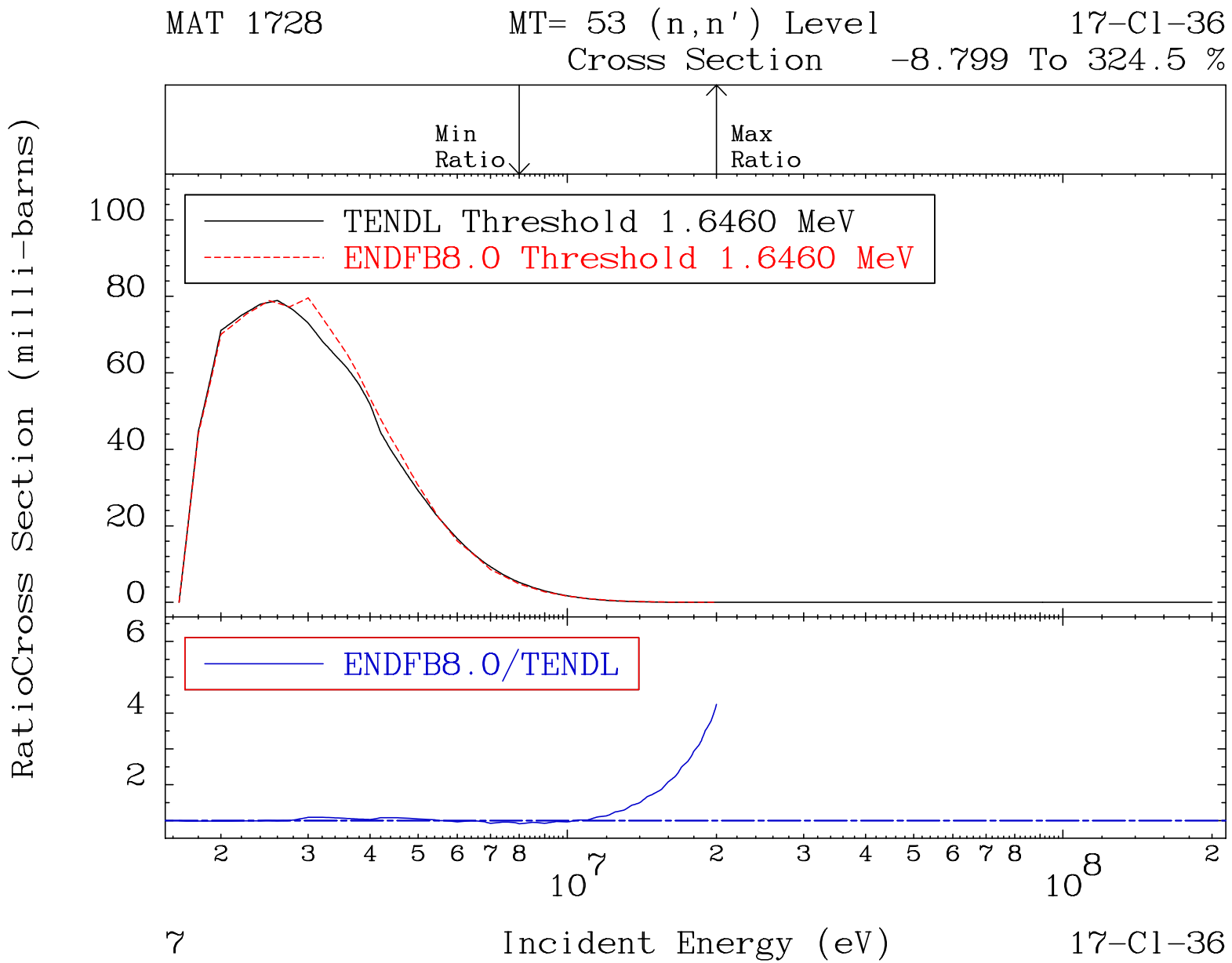

MAT 1728
Elastic
Cross Section
17-Cl-36
-99.08 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
17-Cl-36

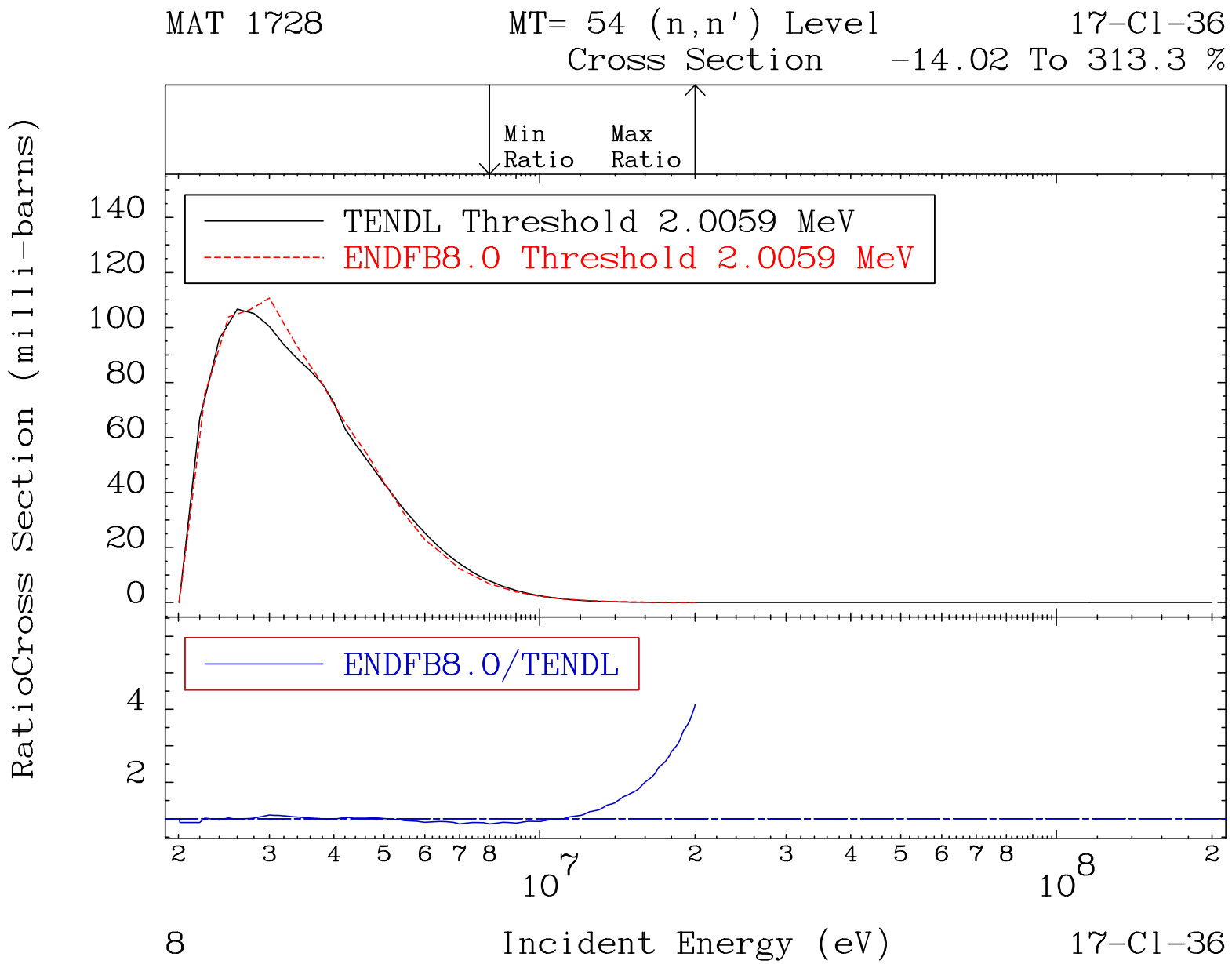

MAT 1728
Inelastic
Cross Section
17-Cl-36
-100.0 To 30.99 %
Max
Ratio
TENDL Threshold 810.54 keV
ENDFB8.0 Threshold 810.54 keV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
17-Cl-36

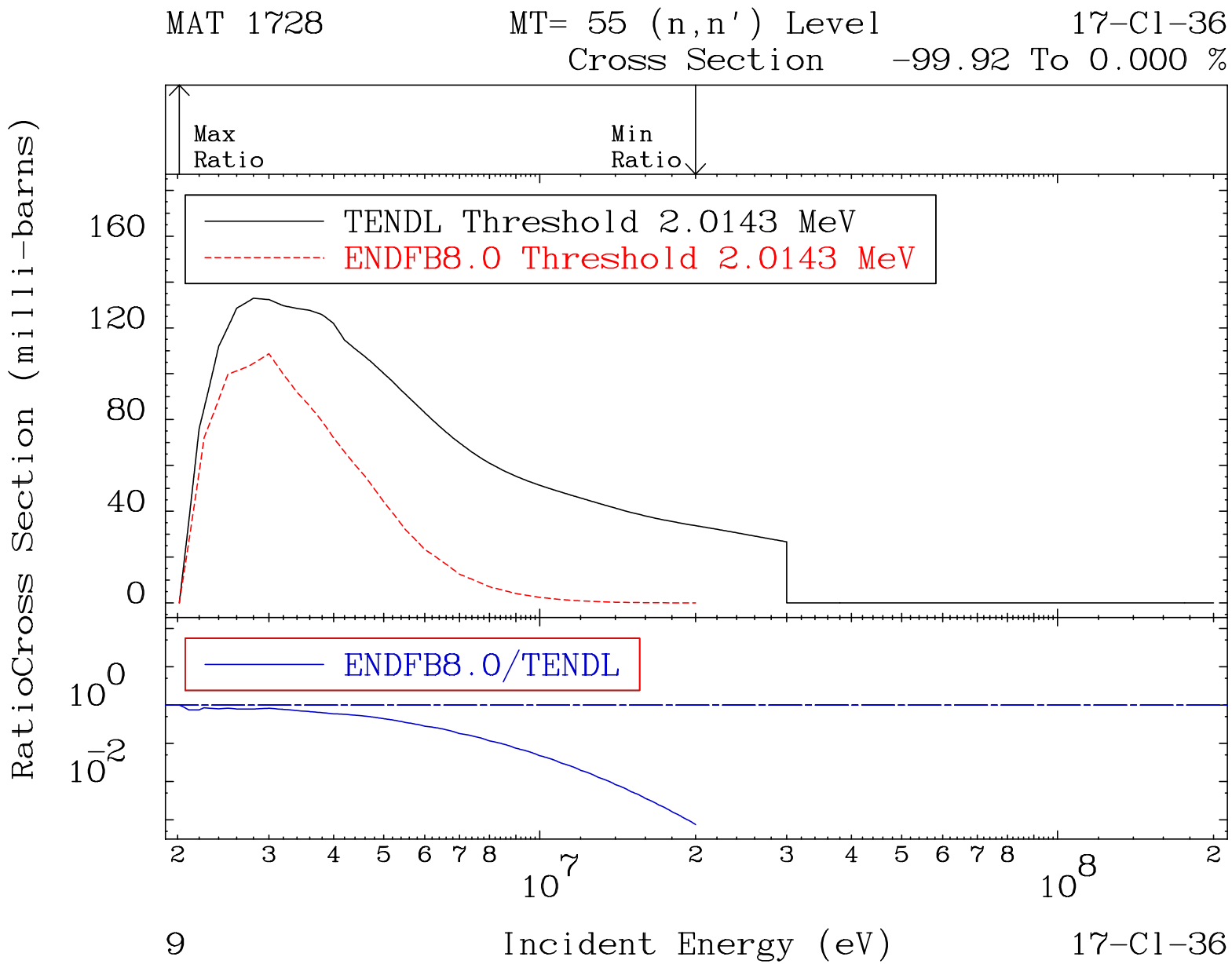

MAT 1728
(n,2n)
Cross Section
17-Cl-36
-16.34 To 20.50 %
Min
Ratio
TENDL Threshold 8.8204 MeV
ENDFB8.0 Threshold 8.8204 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
1.4
1.2
1.0
0.8
9
2
3
4
5
6
7
8
9
2
10^7
10^8
4
Incident Energy (eV)
17-Cl-36

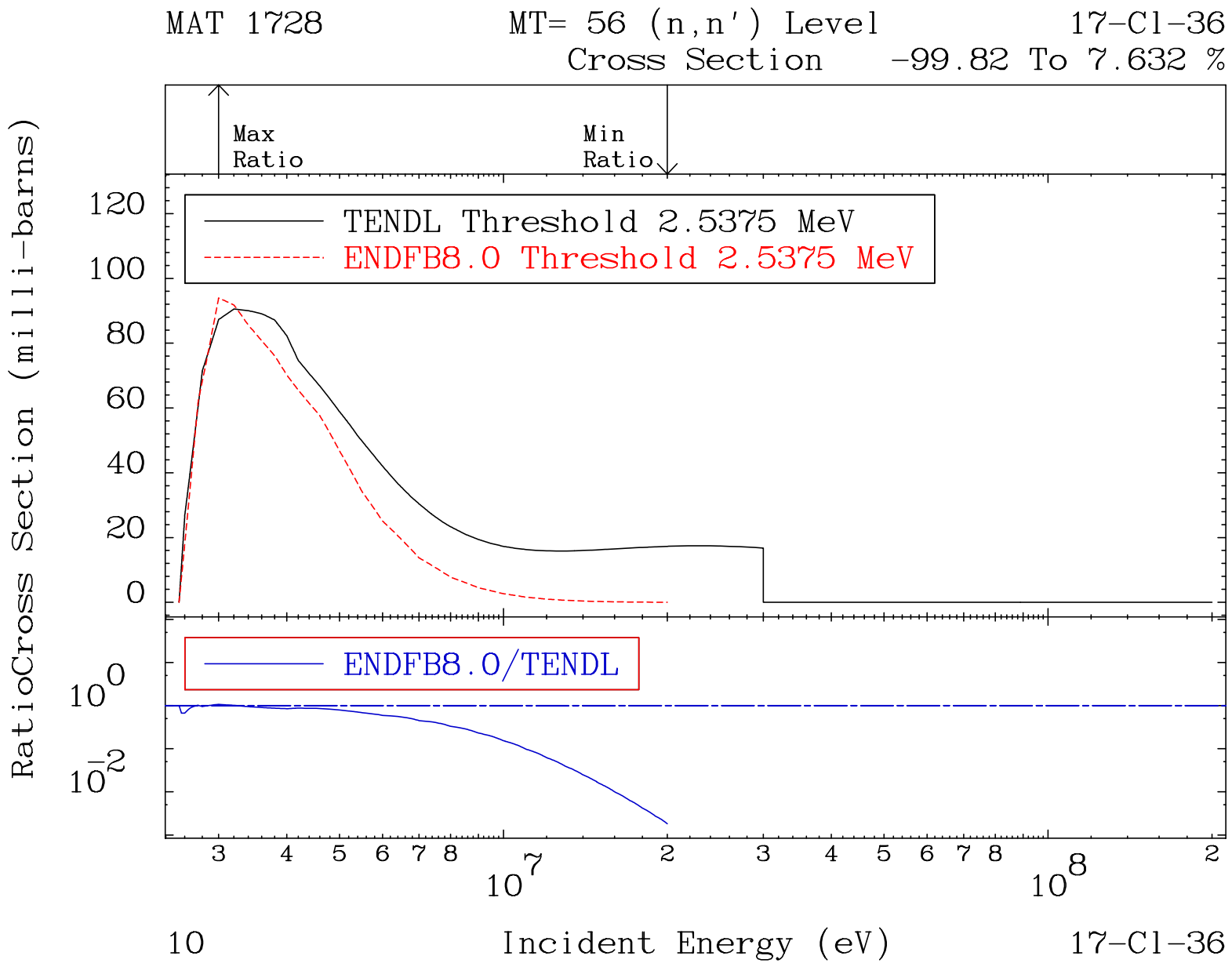

MAT 1728
MT= 51 (n,n') Level
17-Cl-36
Cross Section -100.0 To 288.4 %
Min Ratio
Max Ratio
TENDL Threshold 810.54 keV
ENDFB8.0 Threshold 810.54 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
17-Cl-36
5

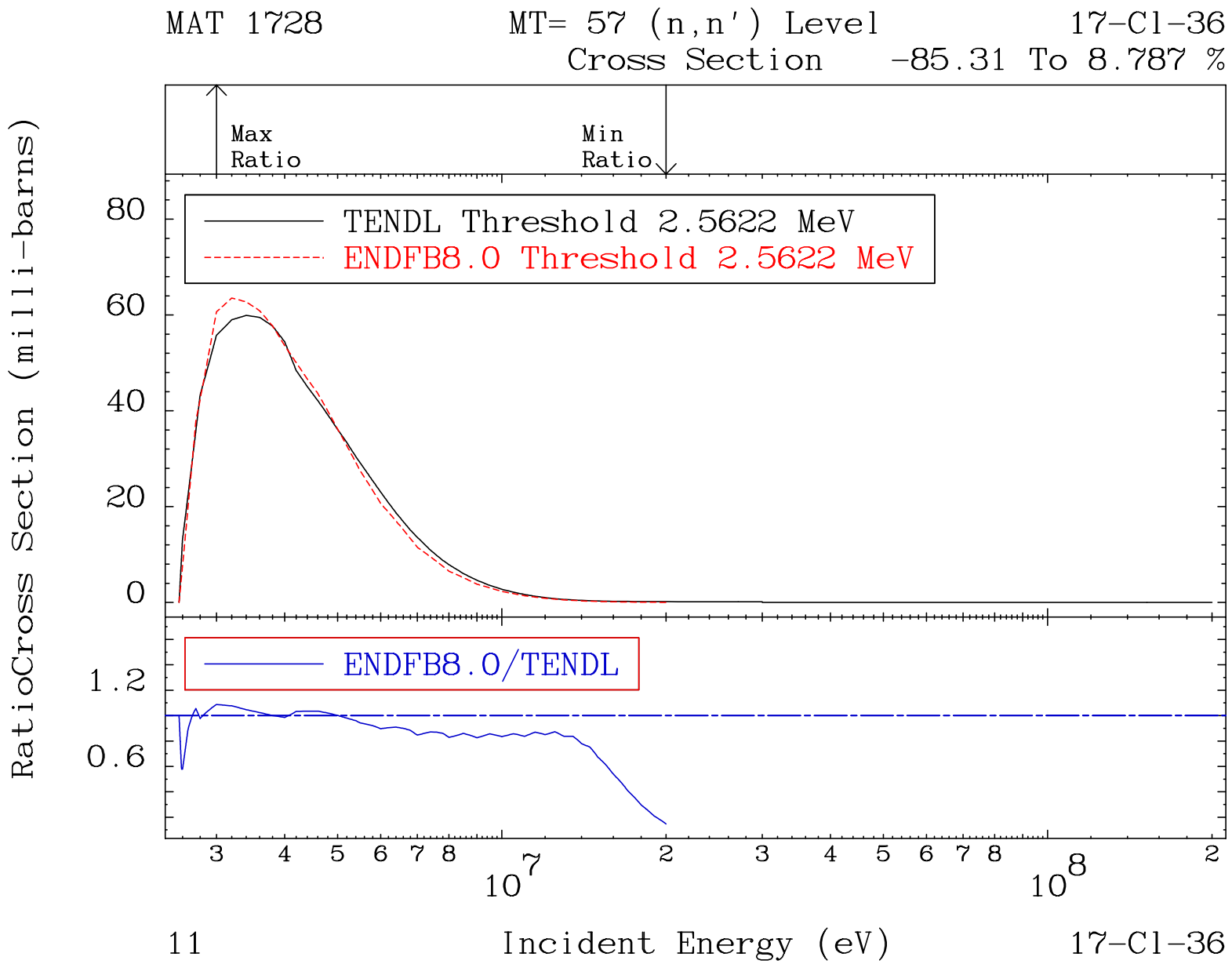

MAT 1728
MT= 52 (n,n') Level
17-Cl-36
Cross Section -82.68 To 322.9 %
Min Ratio
Max Ratio
TENDL Threshold 1.1975 MeV
ENDFB8.0 Threshold 1.1975 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^1
10^0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
6
Incident Energy (eV)
17-Cl-36

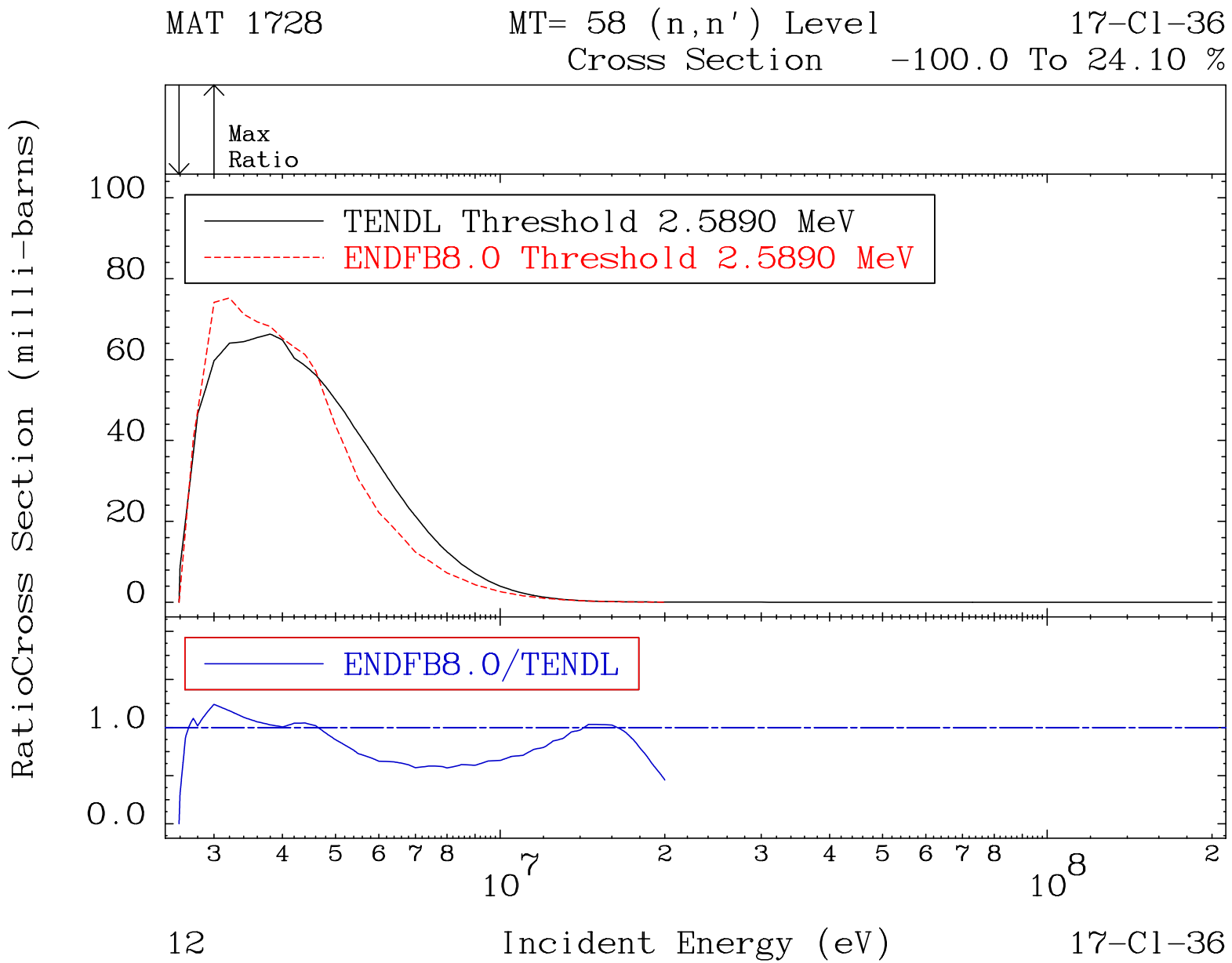

MAT 1728
MT= 53 (n,n') Level
17-Cl-36
Cross Section
-8.799 To 324.5 %
Min Ratio
Max Ratio
TENDL Threshold 1.6460 MeV
ENDFB8.0 Threshold 1.6460 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
17-Cl-36

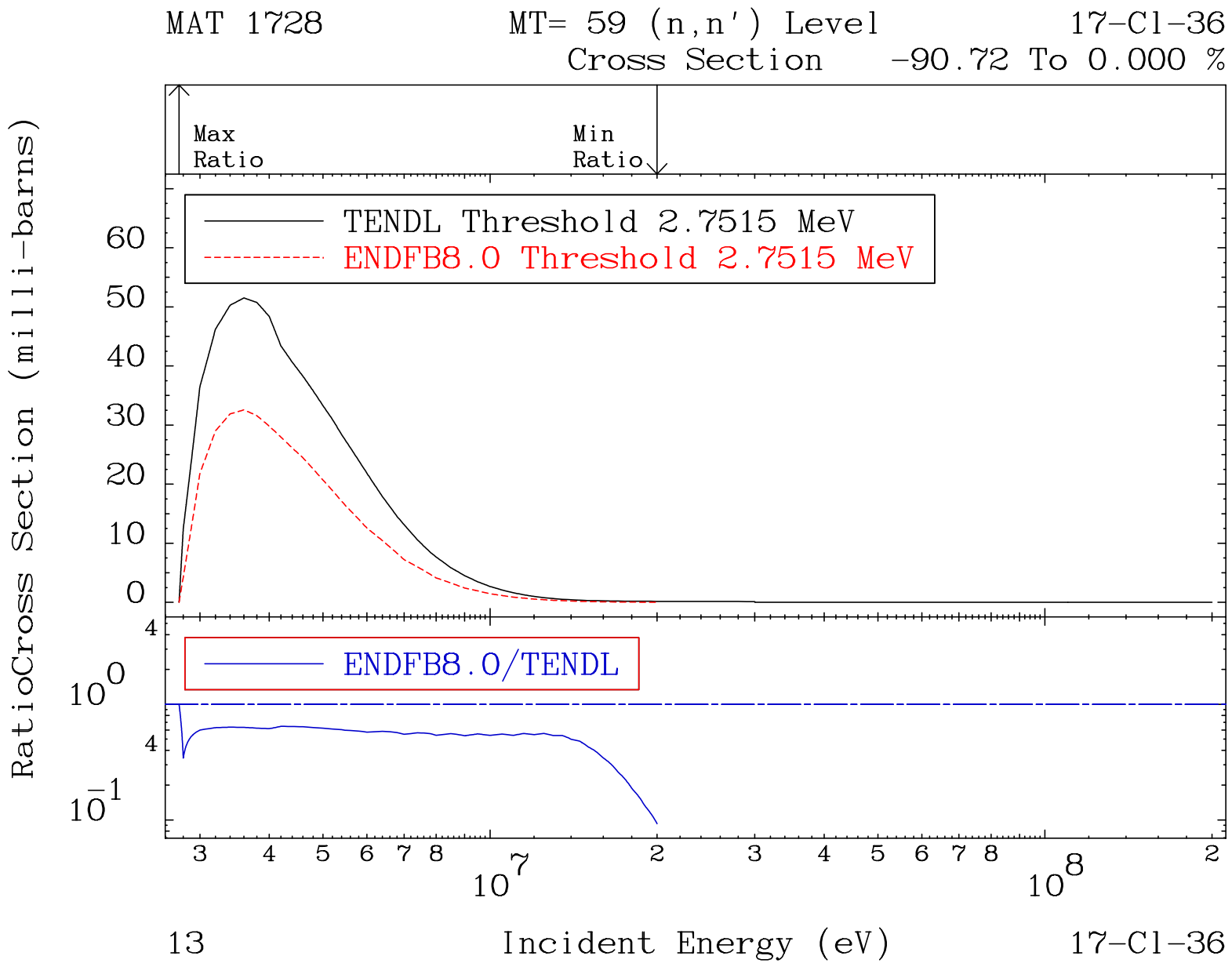

MAT 1728
MT= 54 (n,n') Level
17-Cl-36
Cross Section -14.02 To 313.3 %
Min Ratio
Max Ratio
TENDL Threshold 2.0059 MeV
ENDFB8.0 Threshold 2.0059 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
8
17-Cl-36

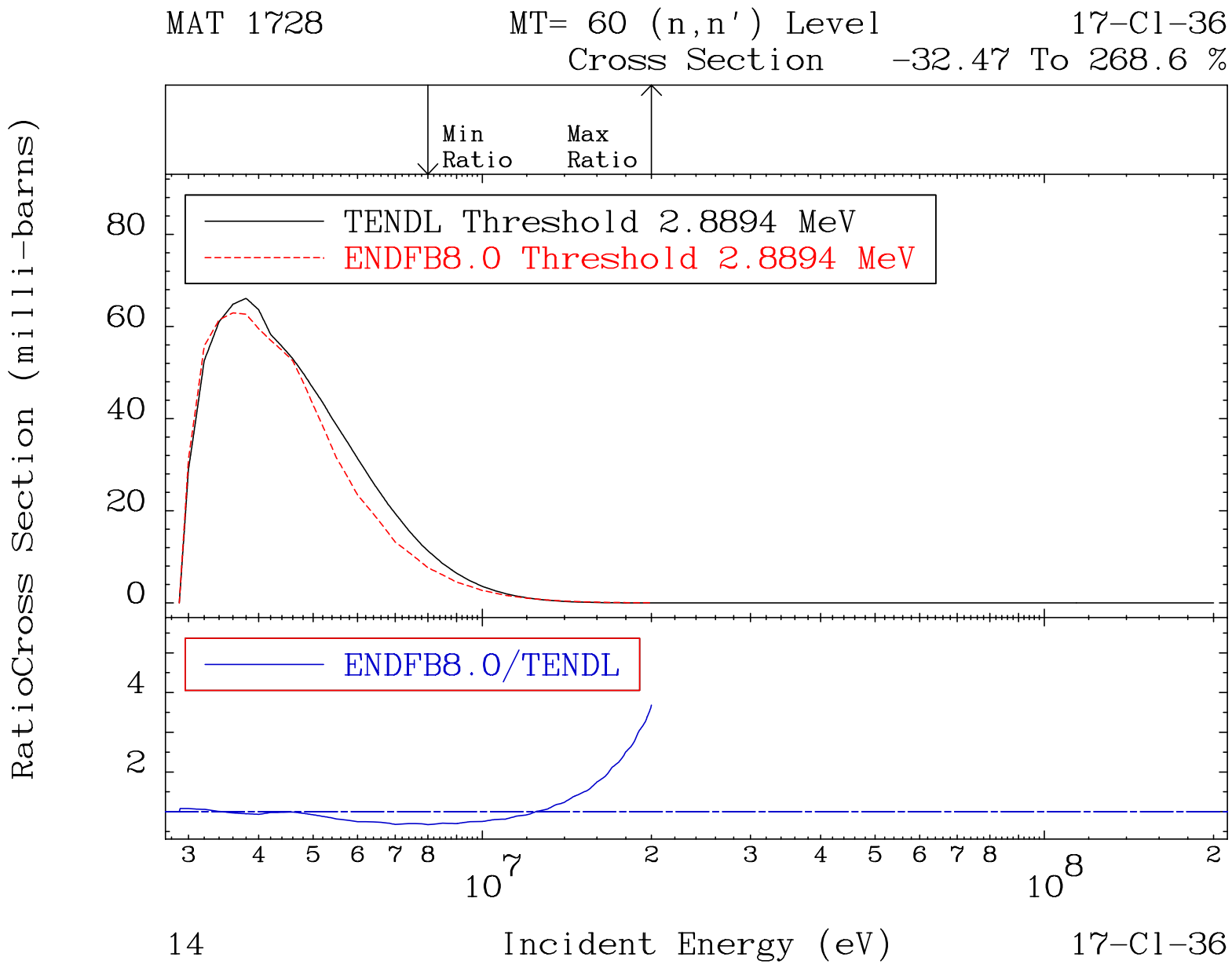

MAT 1728
MT= 55 (n,n') Level
17-Cl-36
Cross Section -99.92 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 2.0143 MeV
ENDFB8.0 Threshold 2.0143 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^0
10^-2
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
9
17-Cl-36

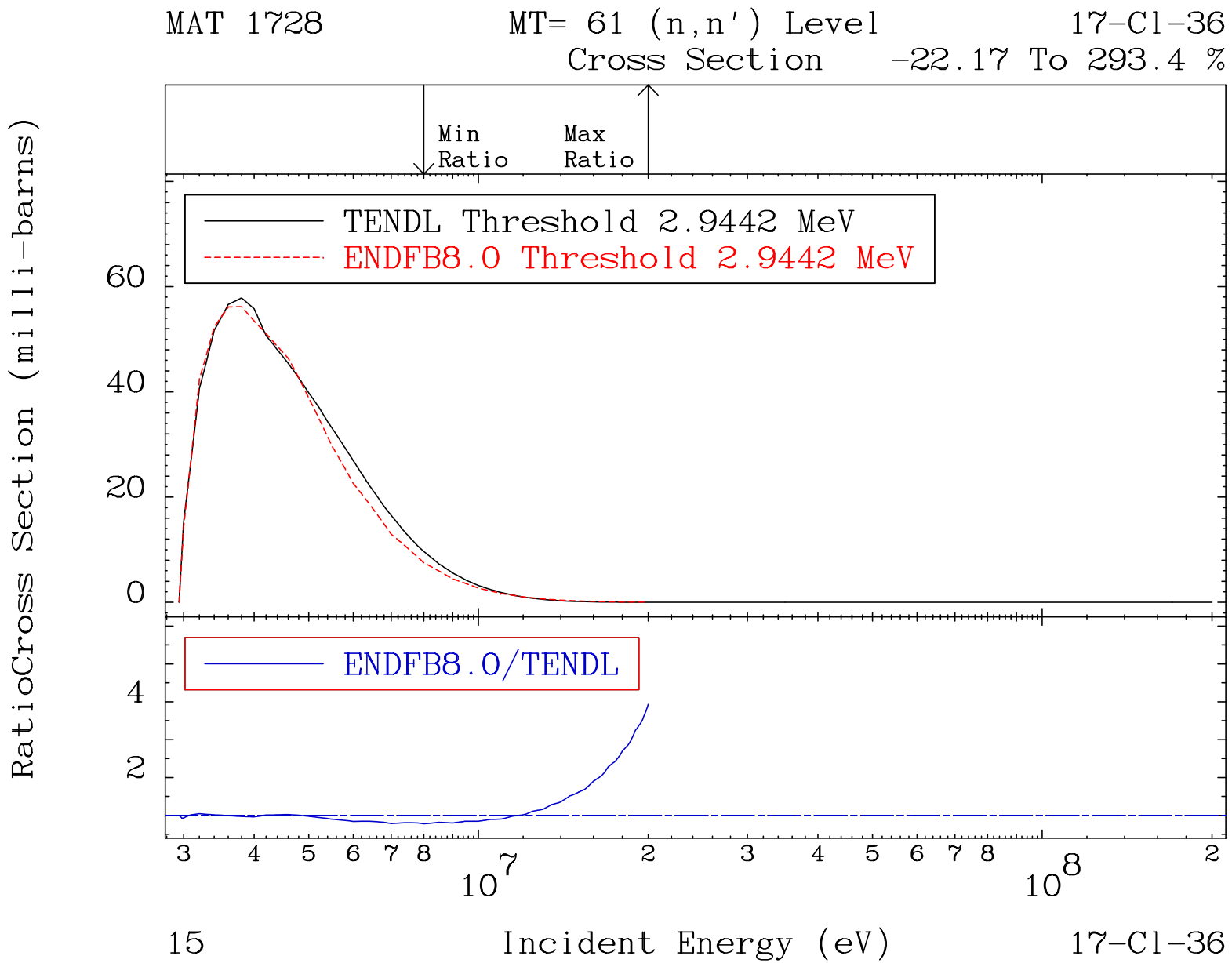

MAT 1728
MT= 56 (n,n') Level
17-Cl-36
Cross Section -99.82 To 7.632 %
Max Ratio
Min Ratio
TENDL Threshold 2.5375 MeV
ENDFB8.0 Threshold 2.5375 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
10
17-Cl-36

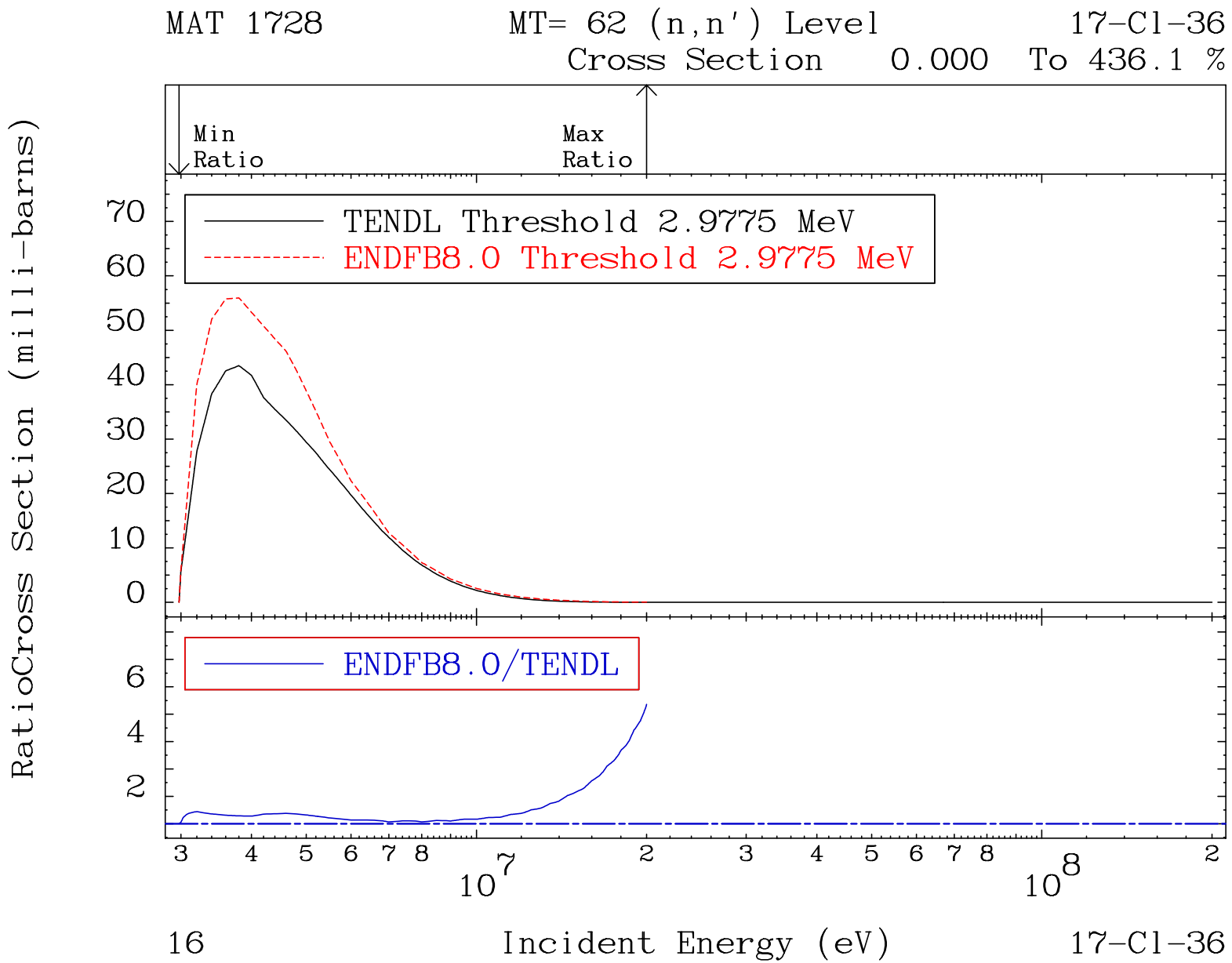

MAT 1728
MT= 57 (n,n') Level
17-Cl-36
Cross Section -85.31 To 8.787 %
Max Ratio
Min Ratio
TENDL Threshold 2.5622 MeV
ENDFB8.0 Threshold 2.5622 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
11
Incident Energy (eV)
17-Cl-36

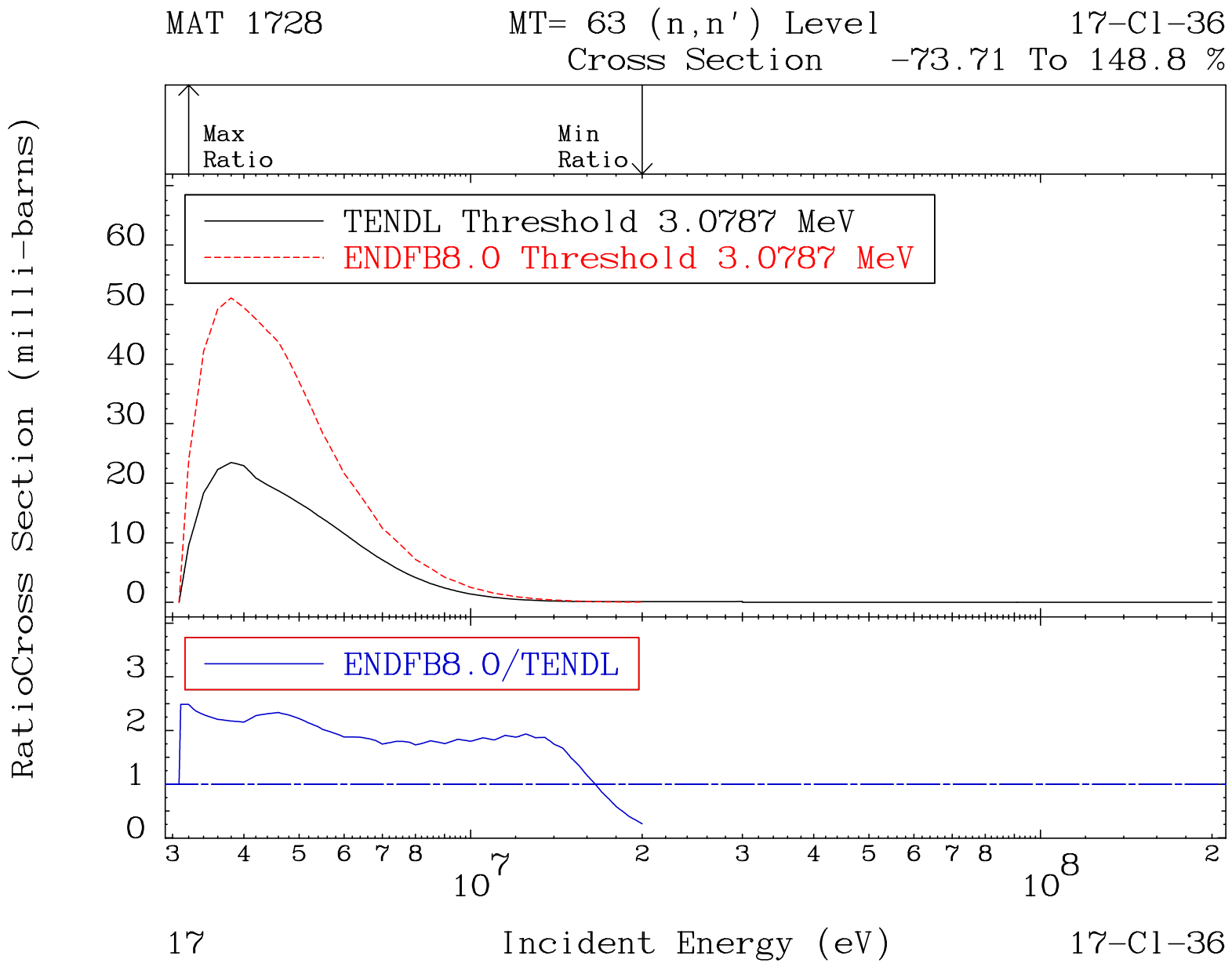

MAT 1728
MT= 58 (n,n') Level
17-Cl-36
Cross Section -100.0 To 24.10 %
Max
Ratio
TENDL Threshold 2.5890 MeV
ENDFB8.0 Threshold 2.5890 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
17-Cl-36

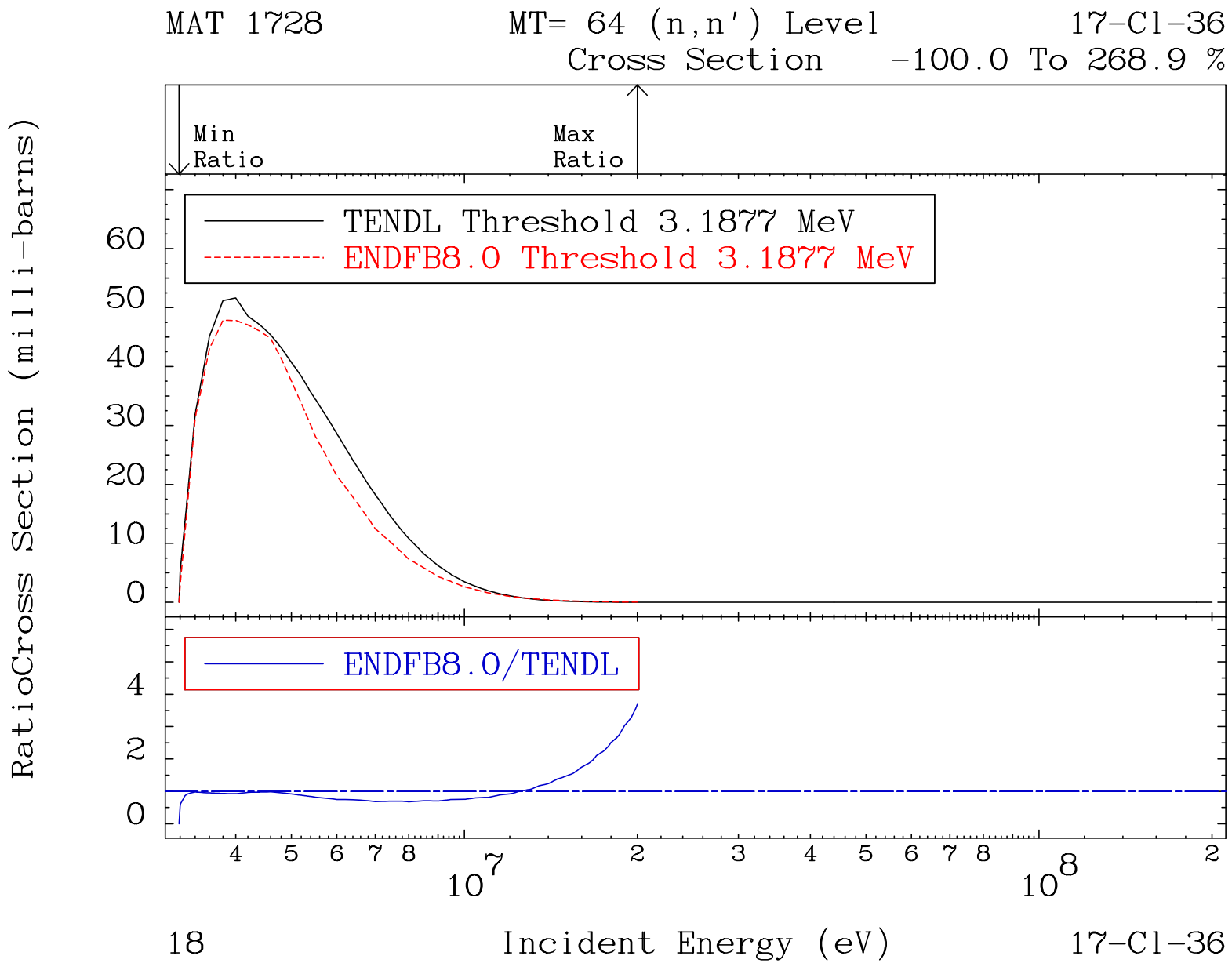

MAT 1728
MT= 59 (n,n') Level
17-Cl-36
Cross Section
-90.72 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 2.7515 MeV
ENDFB8.0 Threshold 2.7515 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
13
17-Cl-36

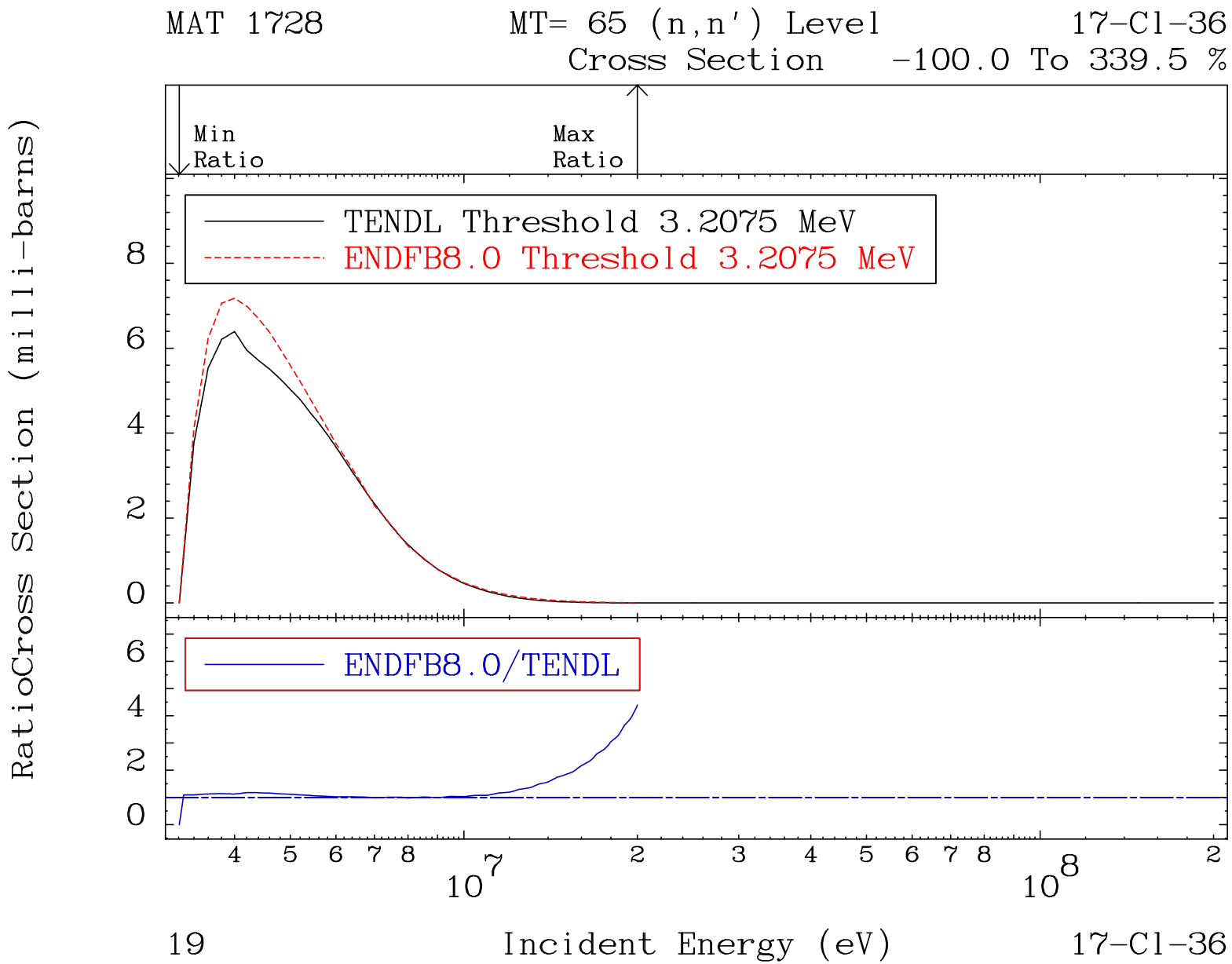

MAT 1728
MT= 60 (n,n') Level
17-Cl-36
Cross Section -32.47 To 268.6 %
Min Ratio
Max Ratio
TENDL Threshold 2.8894 MeV
ENDFB8.0 Threshold 2.8894 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
4
2
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
14
Incident Energy (eV)
17-Cl-36

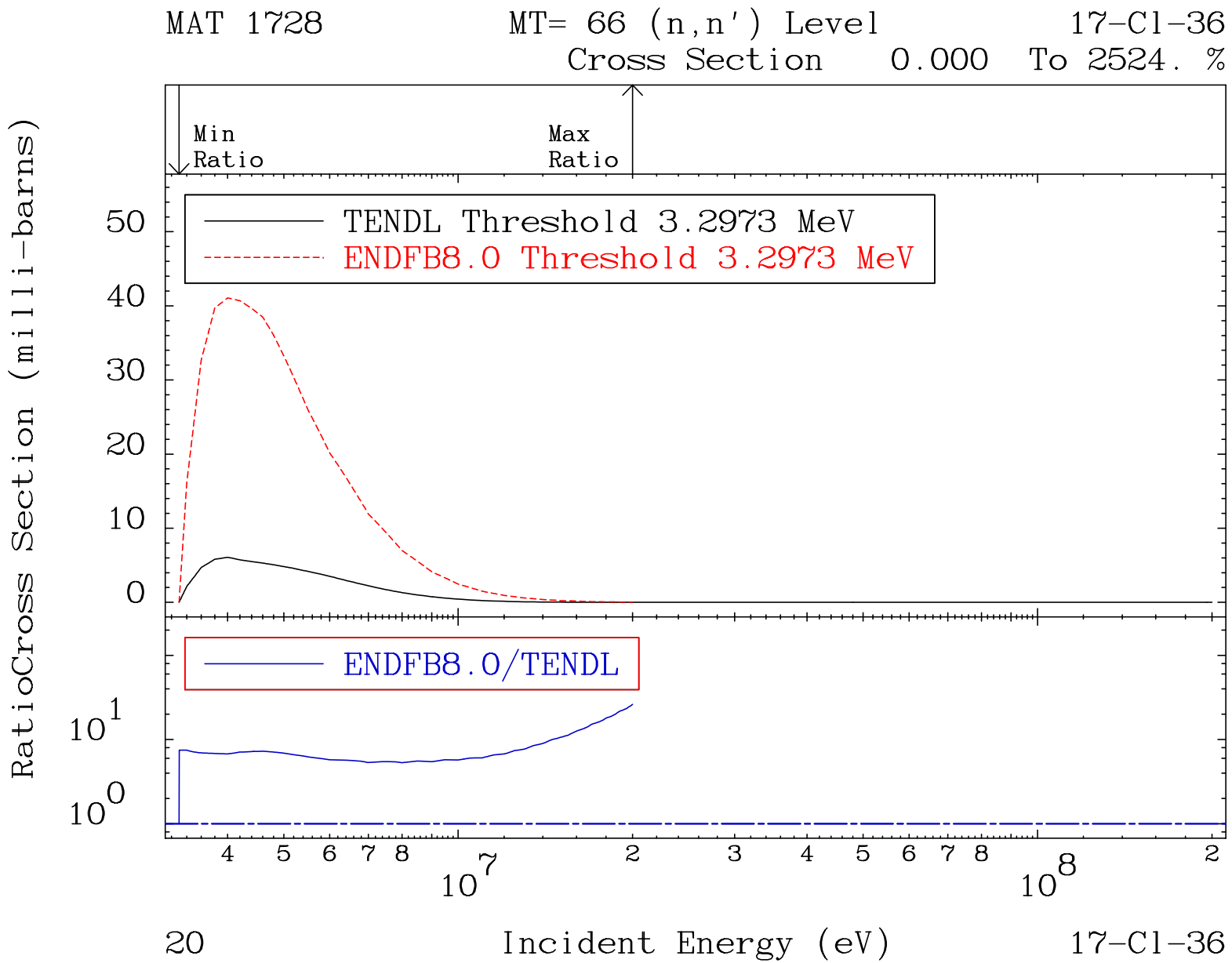

MAT 1728
MT= 61 (n,n') Level
17-Cl-36
Cross Section -22.17 To 293.4 %
Min Ratio
Max Ratio
TENDL Threshold 2.9442 MeV
ENDFB8.0 Threshold 2.9442 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
4
2
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
15
Incident Energy (eV)
17-Cl-36

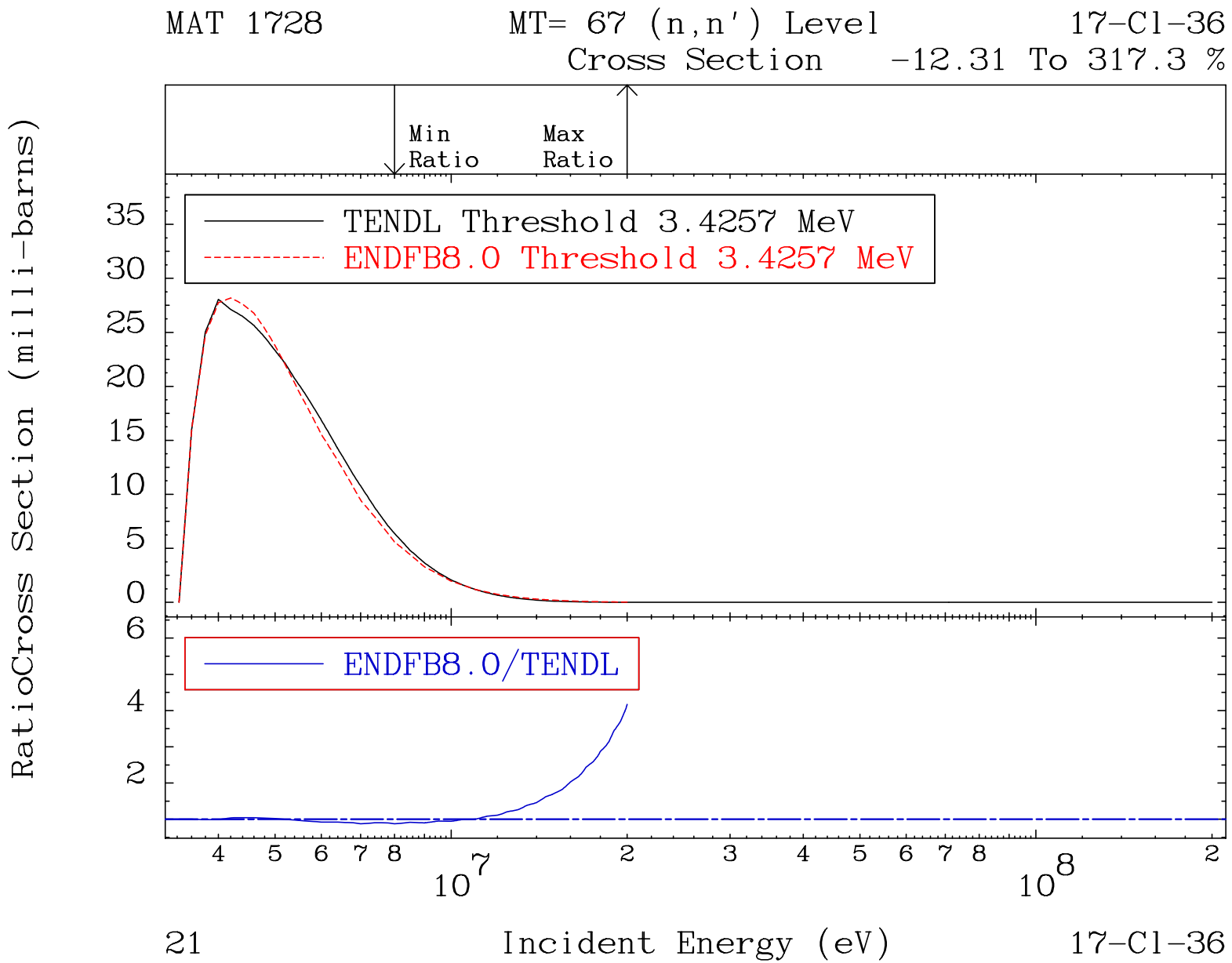

MAT 1728
MT= 62 (n,n') Level
17-Cl-36
Cross Section 0.000 To 436.1 %
Min Ratio
Max Ratio
TENDL Threshold 2.9775 MeV
ENDFB8.0 Threshold 2.9775 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
6
4
2
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
16
Incident Energy (eV)
17-Cl-36

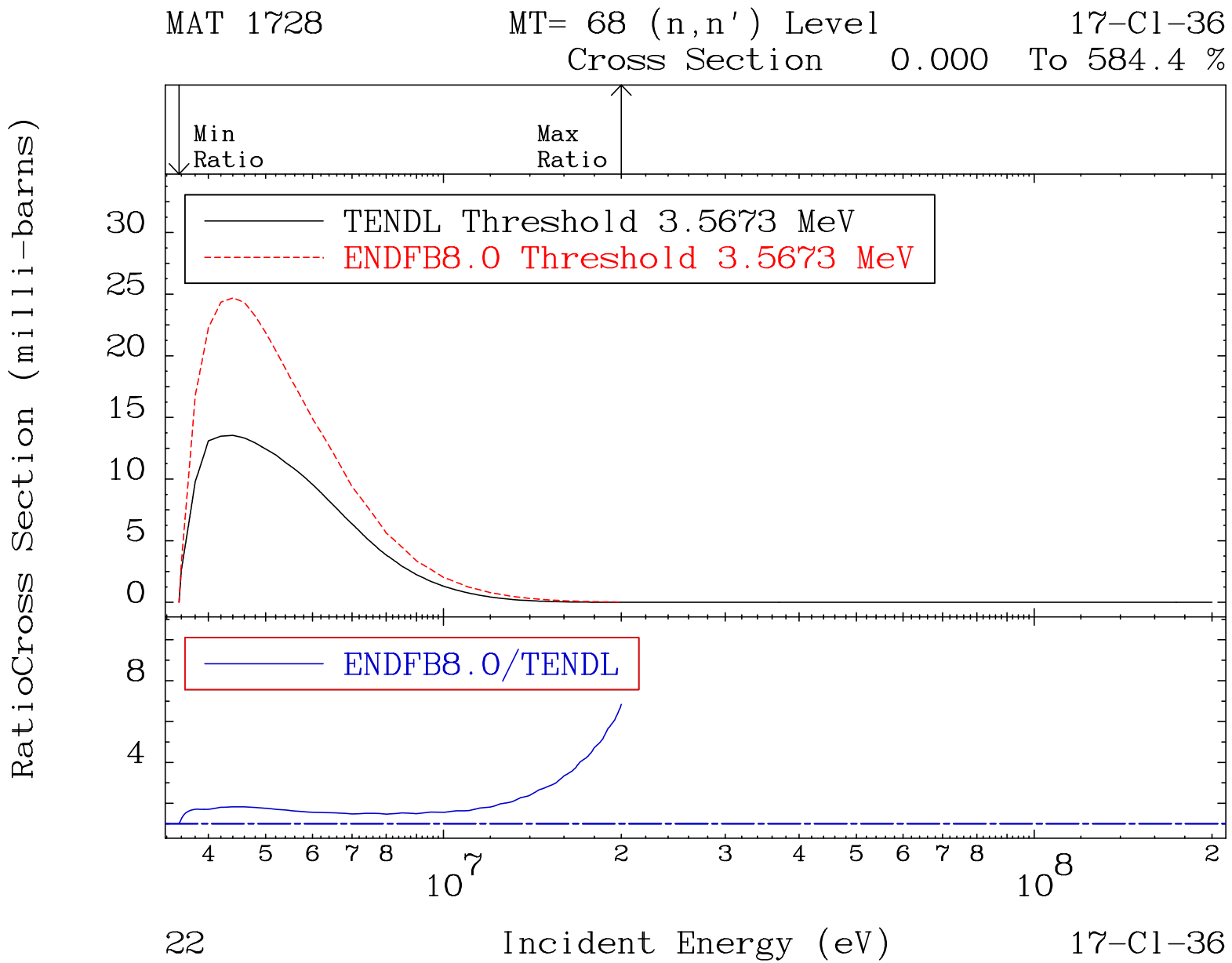

MAT 1728
MT= 63 (n,n') Level
17-Cl-36
Cross Section -73.71 To 148.8 %
Max Ratio
Min Ratio
TENDL Threshold 3.0787 MeV
ENDFB8.0 Threshold 3.0787 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
17
17-Cl-36

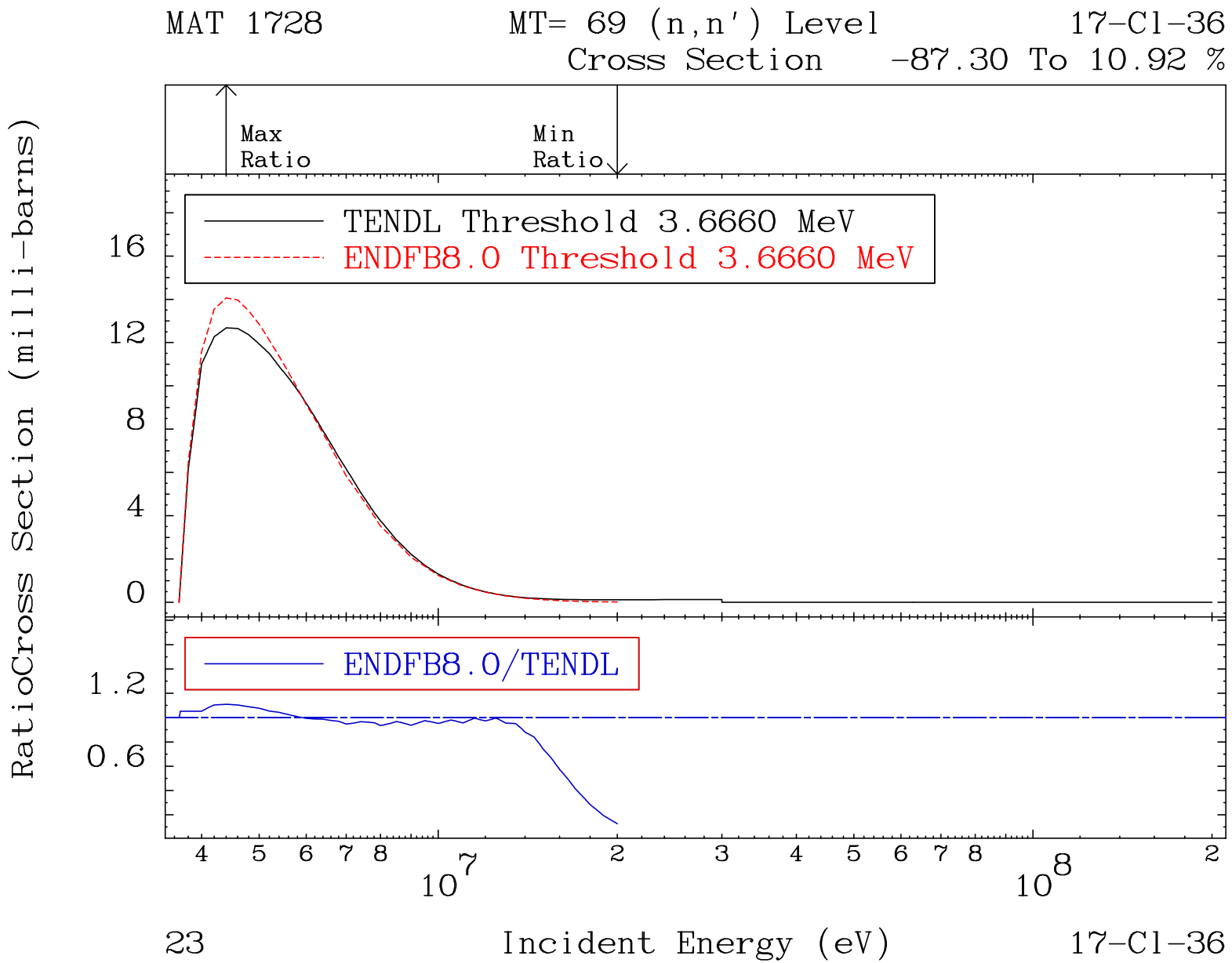

MAT 1728
MT= 64 (n,n') Level
17-Cl-36
Cross Section -100.0 To 268.9 %
Min Ratio
Max Ratio
TENDL Threshold 3.1877 MeV
ENDFB8.0 Threshold 3.1877 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
18
17-Cl-36

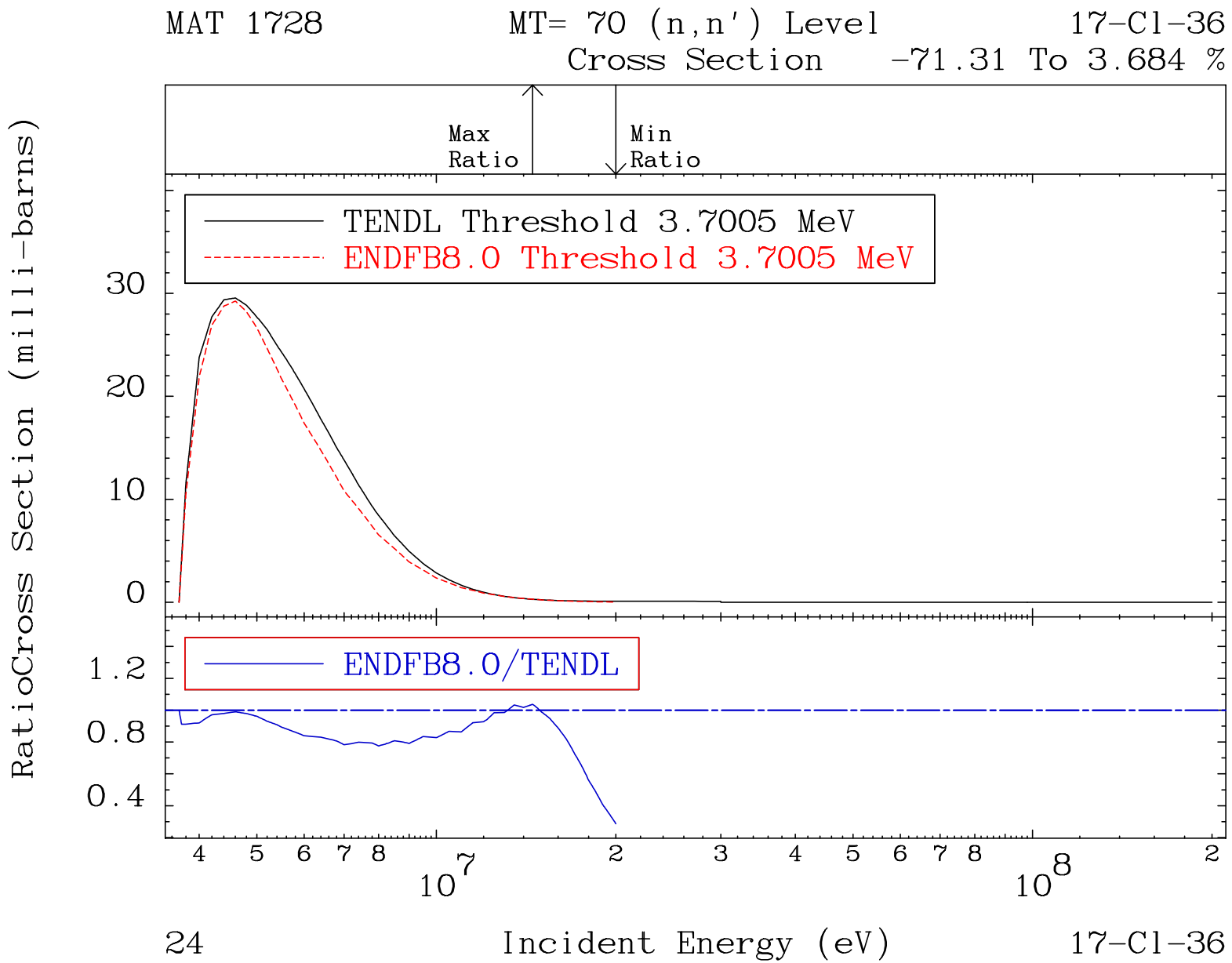

MAT 1728
MT= 65 (n,n') Level
17-Cl-36
Cross Section
-100.0 To 339.5 %
Min Ratio
Max Ratio
TENDL Threshold 3.2075 MeV
ENDFB8.0 Threshold 3.2075 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
19
17-Cl-36

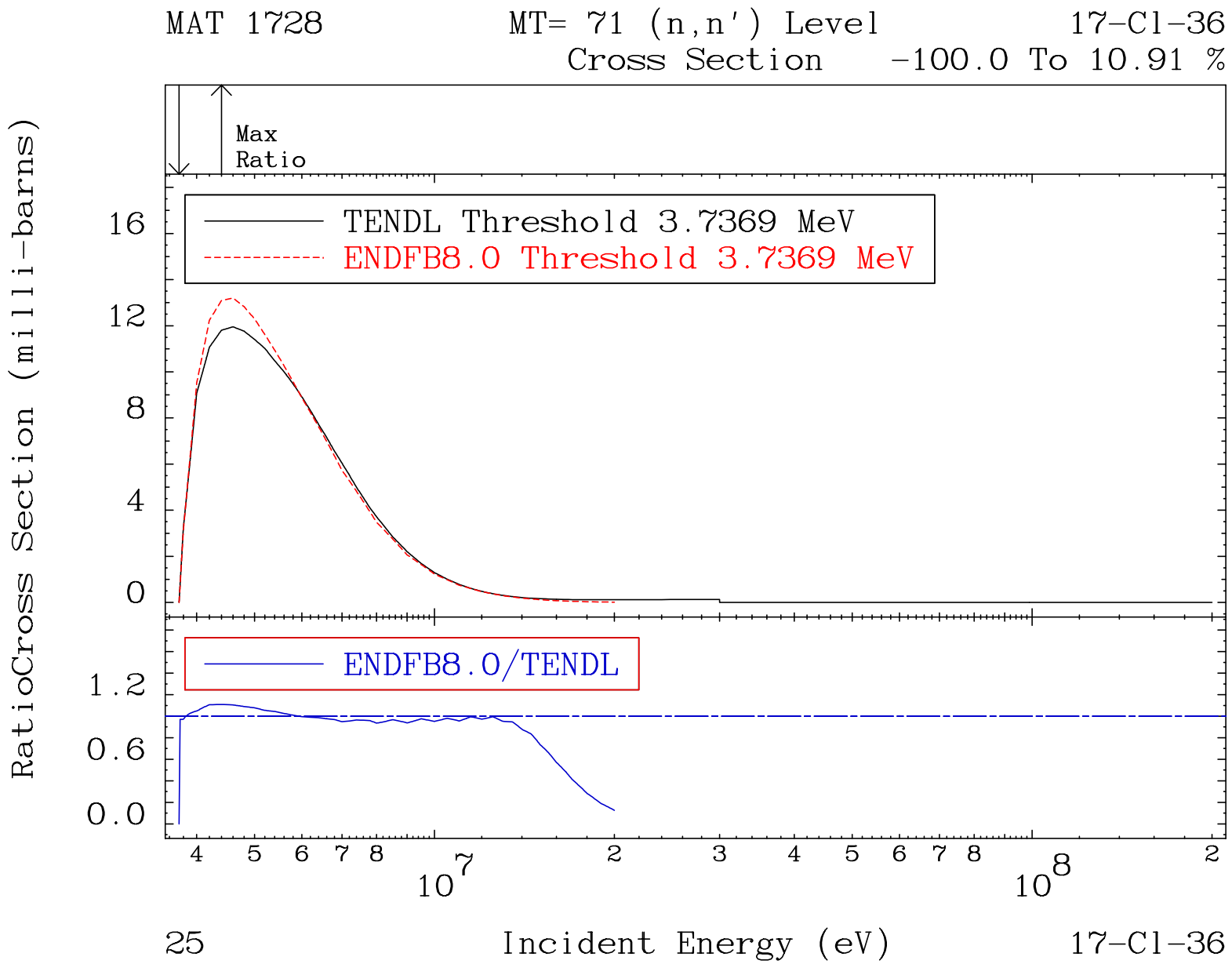

MAT 1728
MT= 66 (n,n') Level
17-Cl-36
Cross Section 0.000 To 2524. %
Min Ratio
Max Ratio
TENDL Threshold 3.2973 MeV
ENDFB8.0 Threshold 3.2973 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
10^1
10^0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
17-Cl-36

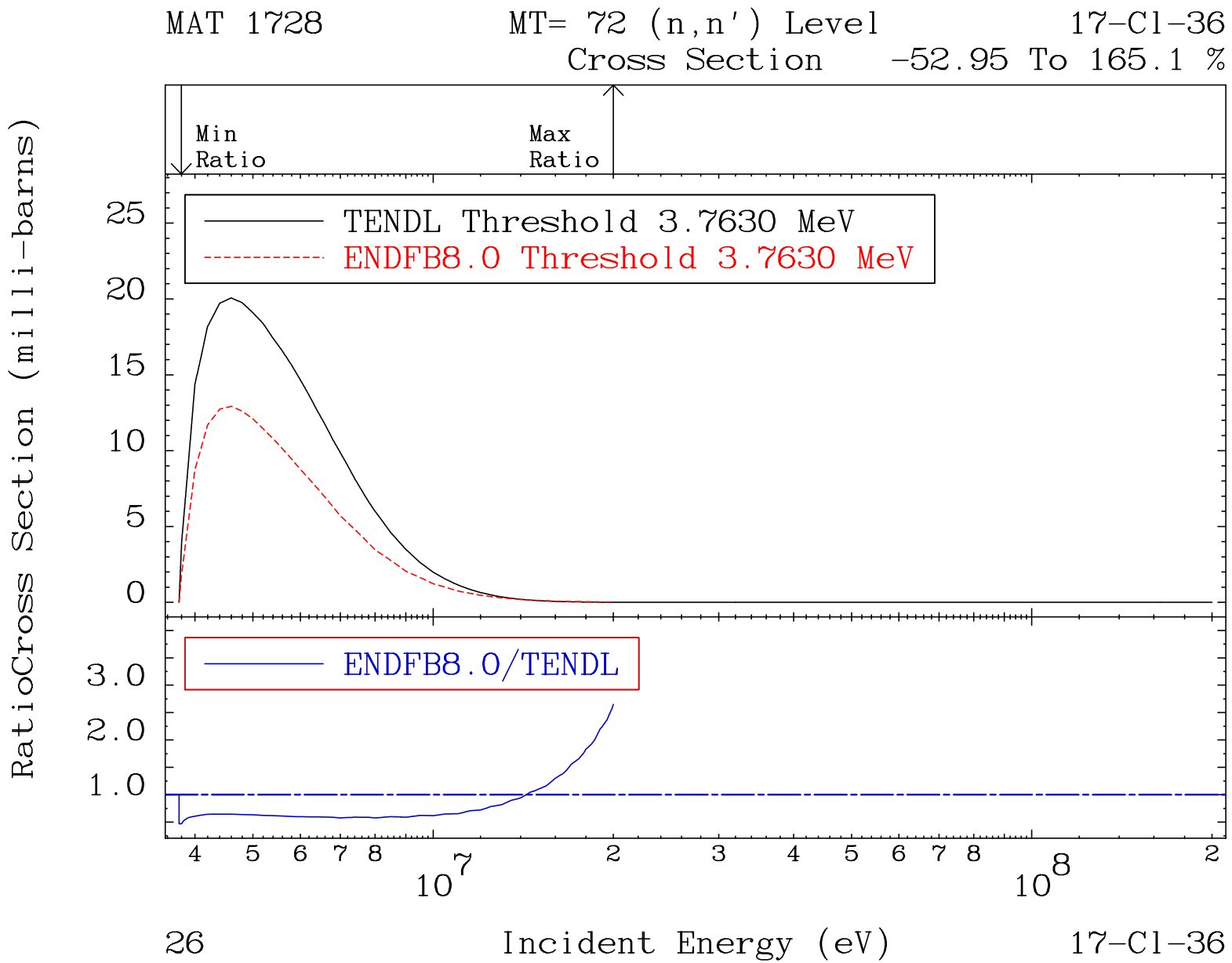

MAT 1728
MT= 67 (n,n') Level
17-Cl-36
Cross Section -12.31 To 317.3 %
Min Ratio
Max Ratio
TENDL Threshold 3.4257 MeV
ENDFB8.0 Threshold 3.4257 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
21
17-Cl-36

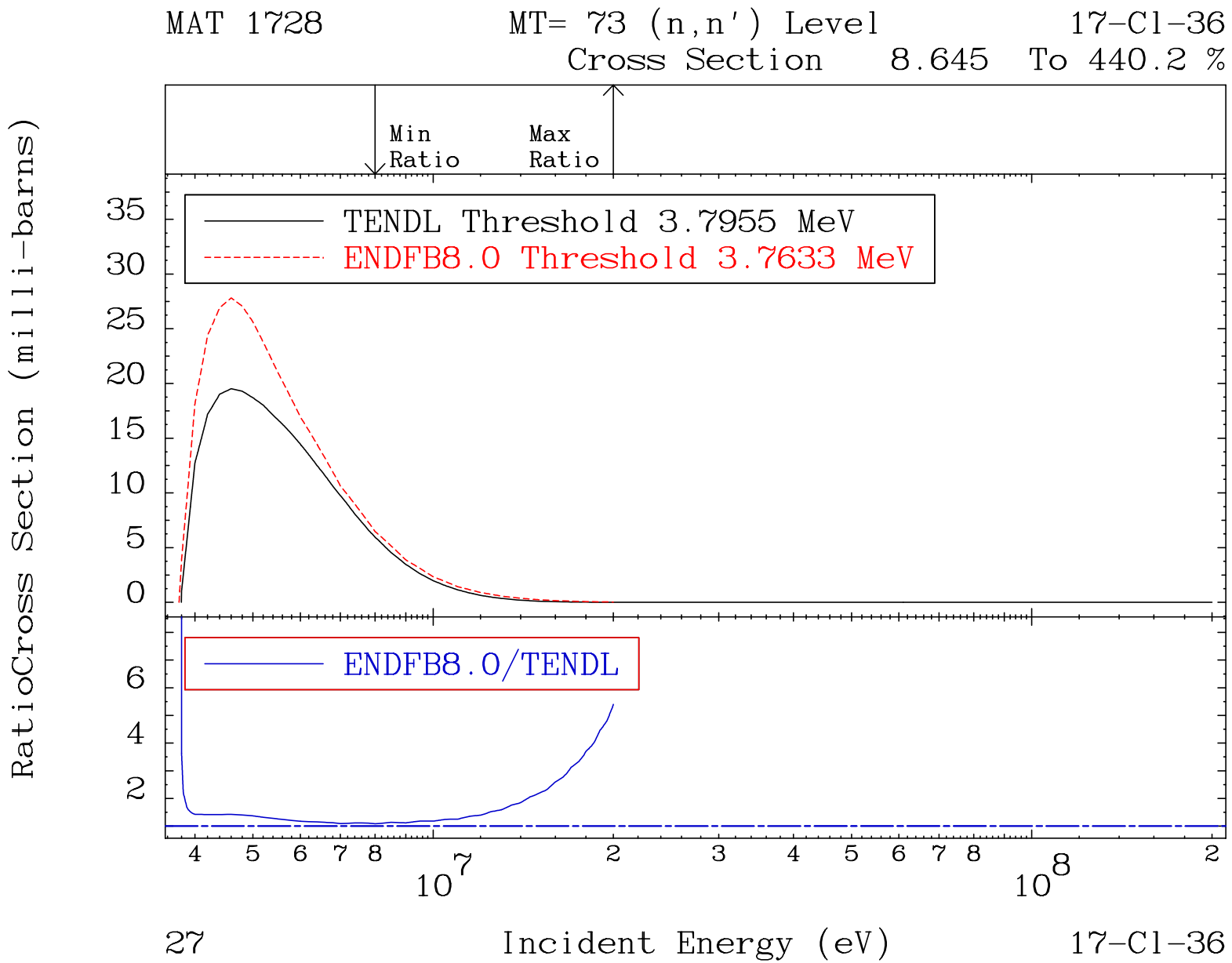

MAT 1728
MT= 68 (n,n') Level
17-Cl-36
Cross Section 0.000 To 584.4 %
Min Ratio
Max Ratio
TENDL Threshold 3.5673 MeV
ENDFB8.0 Threshold 3.5673 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
22
17-Cl-36

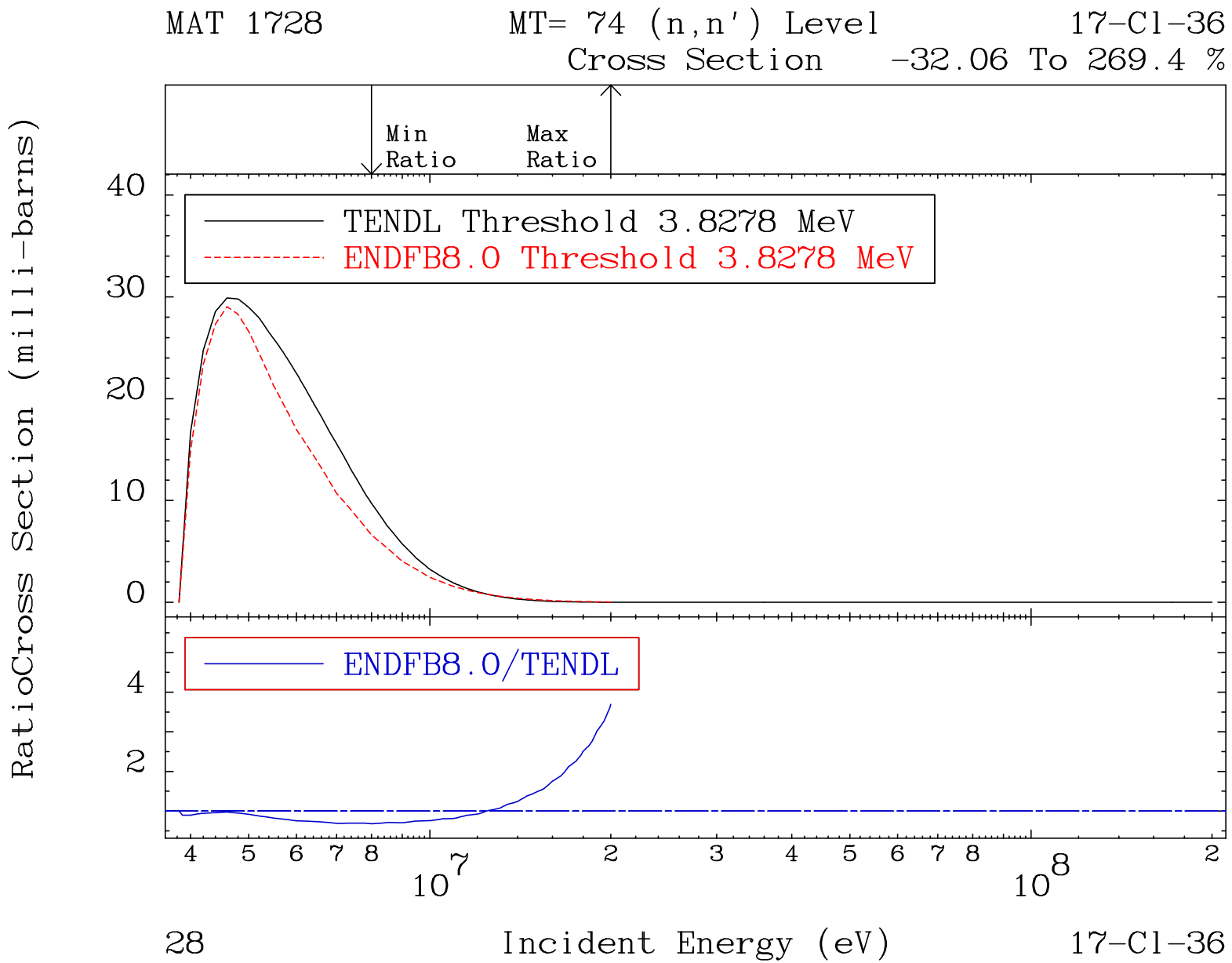

MAT 1728
MT= 69 (n,n') Level
17-Cl-36
Cross Section -87.30 To 10.92 %
Max Ratio
Min Ratio
TENDL Threshold 3.6660 MeV
ENDFB8.0 Threshold 3.6660 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
1.2
0.6
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
17-Cl-36

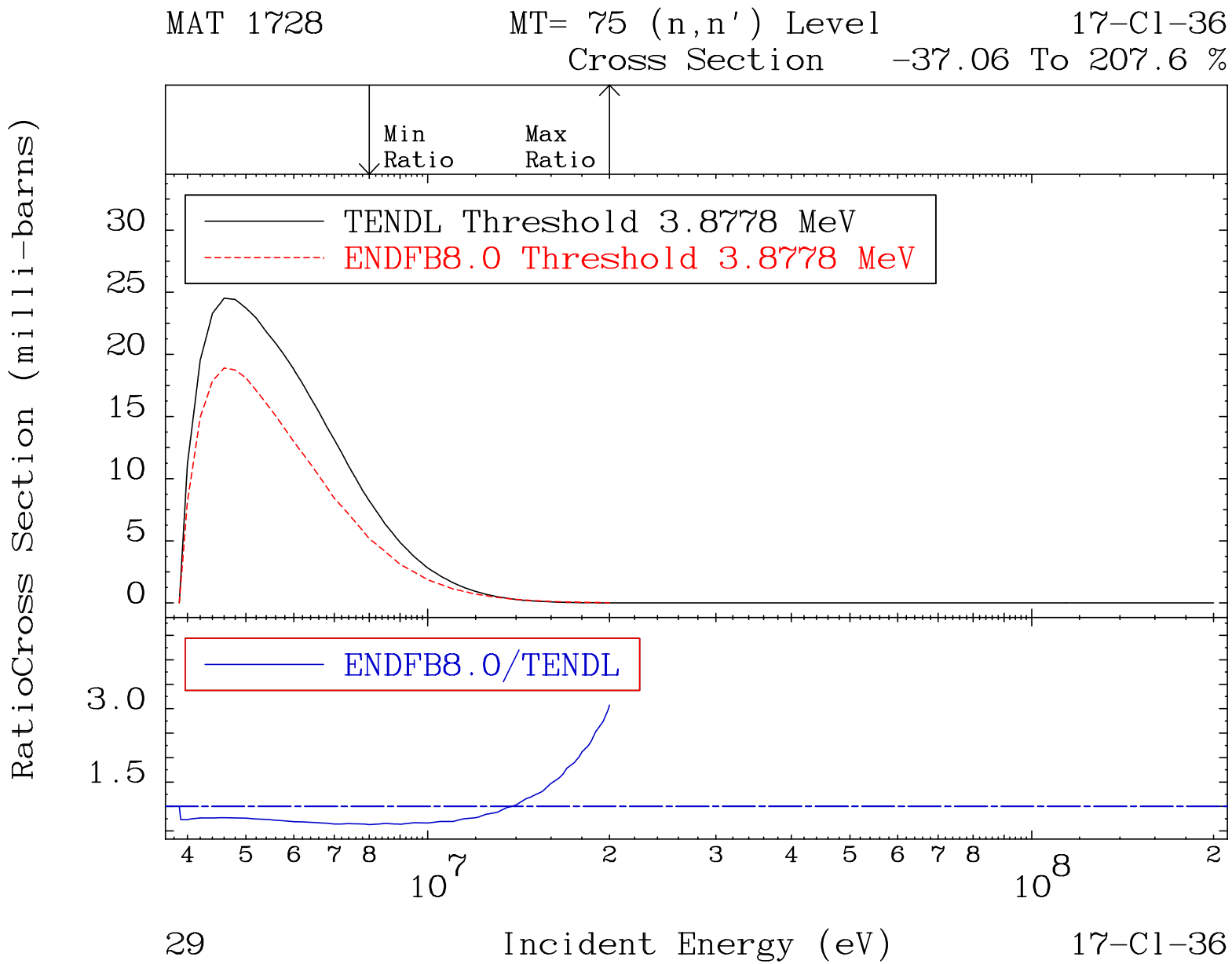

MAT 1728
MT= 70 (n,n') Level
17-Cl-36
Cross Section -71.31 To 3.684 %
Max Ratio
Min Ratio
TENDL Threshold 3.7005 MeV
ENDFB8.0 Threshold 3.7005 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
30
20
10
0
1.2
0.8
0.4
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
24
Incident Energy (eV)
17-Cl-36

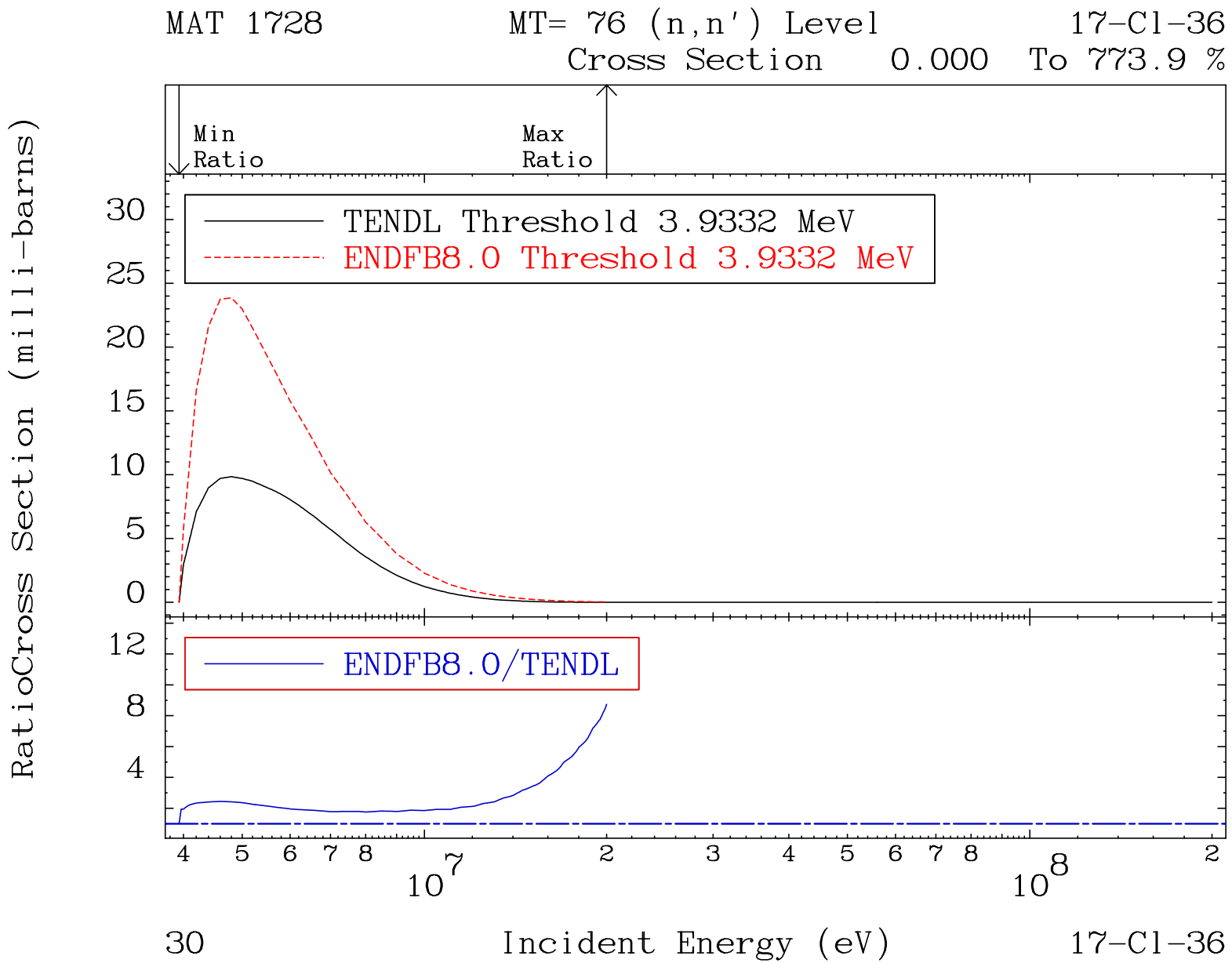

MAT 1728
MT= 71 (n,n') Level
17-Cl-36
Cross Section -100.0 To 10.91 %
Max
Ratio
TENDL Threshold 3.7369 MeV
ENDFB8.0 Threshold 3.7369 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
1.2
0.6
0.0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
25
17-Cl-36

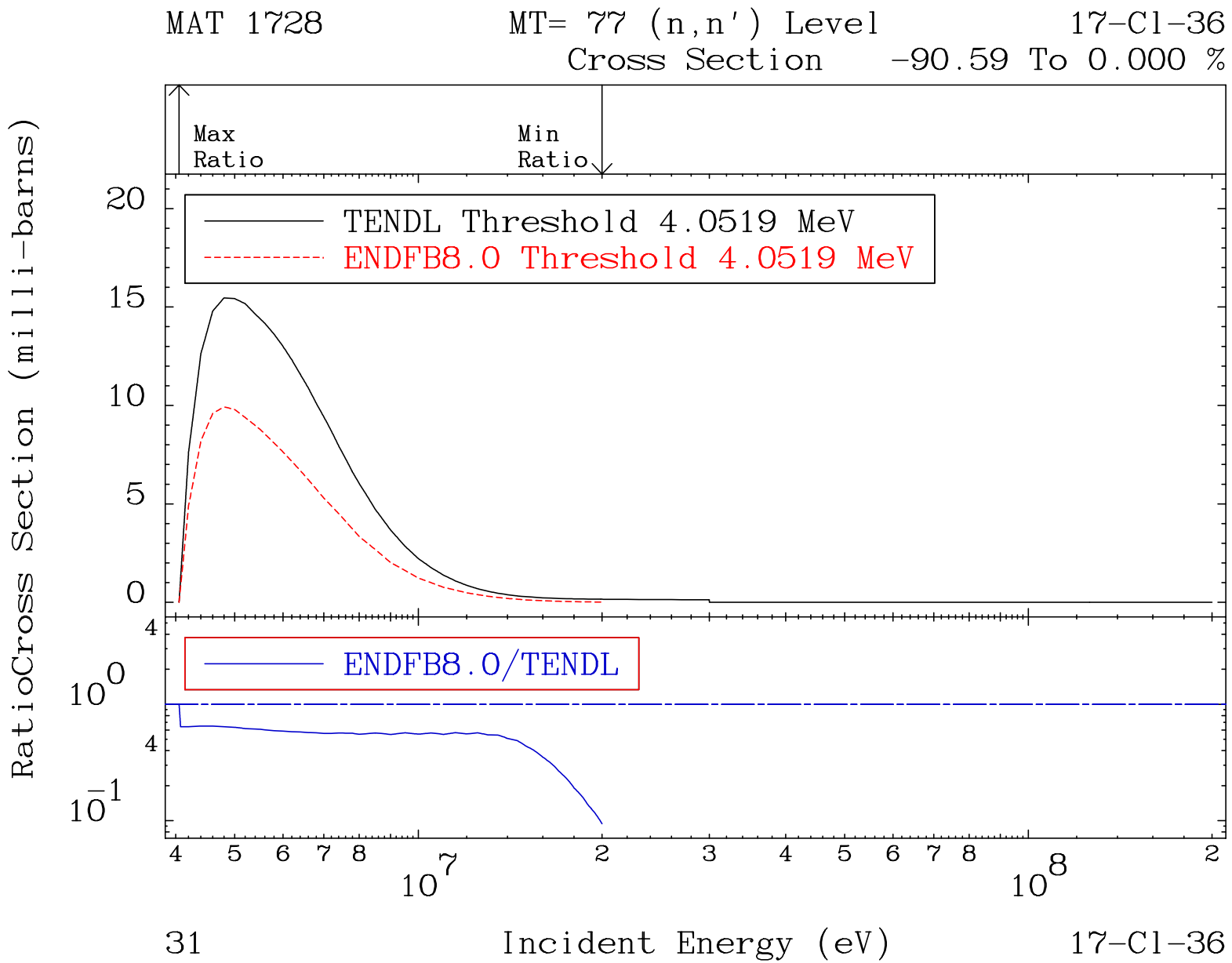

MAT 1728
MT= 72 (n,n') Level
17-Cl-36
Cross Section -52.95 To 165.1 %
Min Ratio
Max Ratio
TENDL Threshold 3.7630 MeV
ENDFB8.0 Threshold 3.7630 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
3.0
2.0
1.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
17-Cl-36

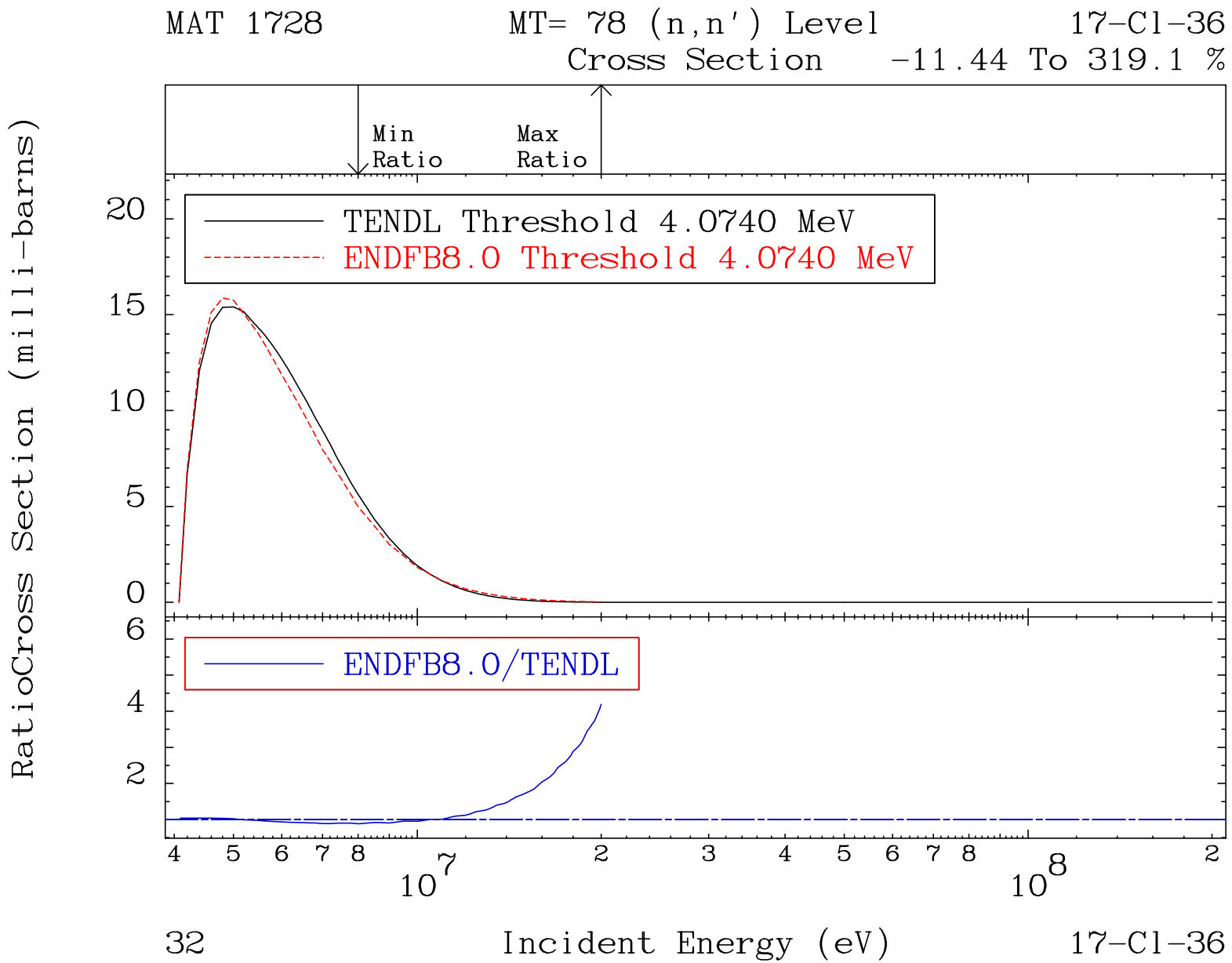

MAT 1728
MT= 73 (n,n') Level
17-Cl-36
Cross Section 8.645 To 440.2 %
Min Ratio
Max Ratio
TENDL Threshold 3.7955 MeV
ENDFB8.0 Threshold 3.7633 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
6
4
2
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
27
Incident Energy (eV)
17-Cl-36

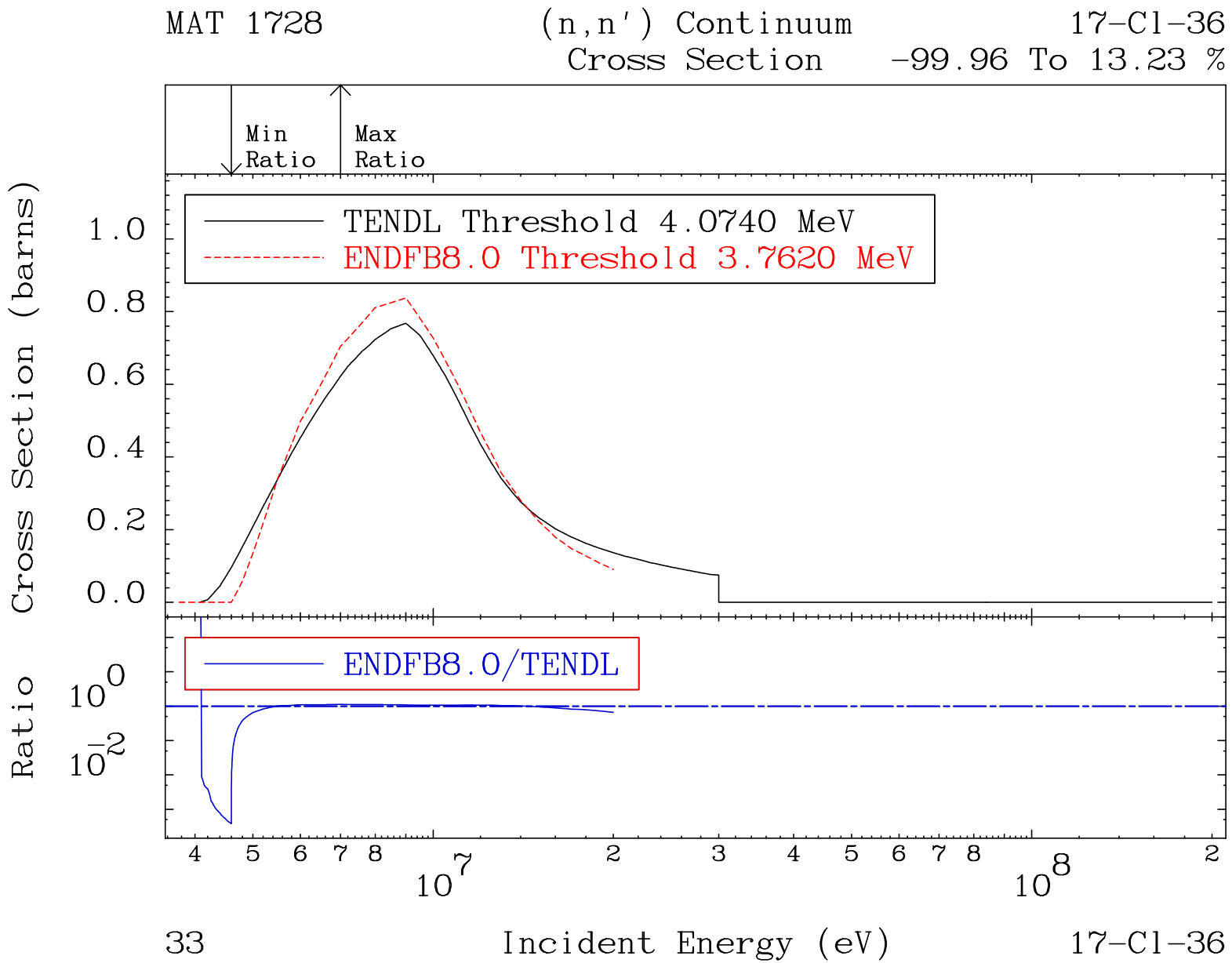

MAT 1728
MT= 74 (n,n') Level
17-Cl-36
Cross Section -32.06 To 269.4 %
Min Ratio
Max Ratio
TENDL Threshold 3.8278 MeV
ENDFB8.0 Threshold 3.8278 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
4
2
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
17-Cl-36

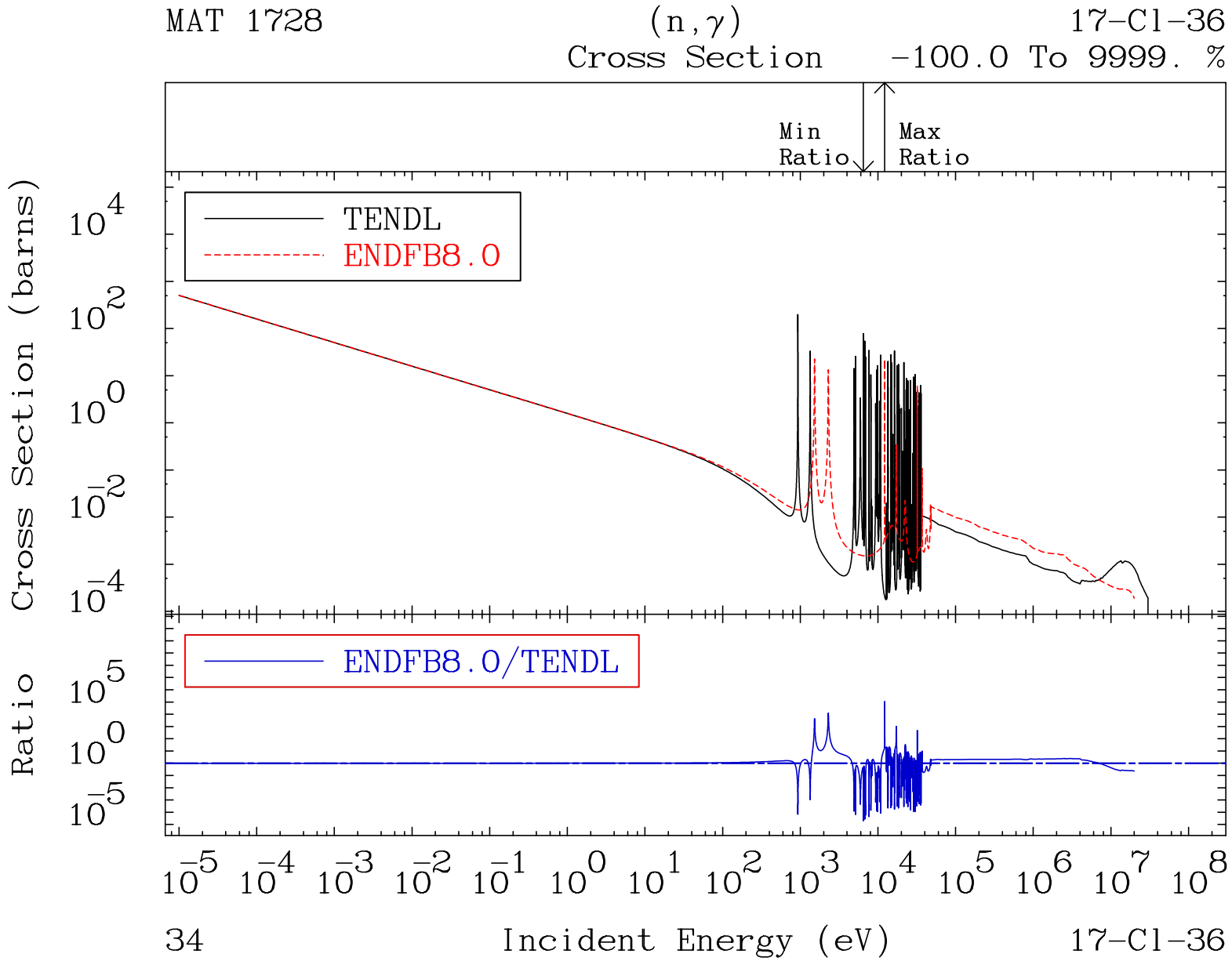

MAT 1728
MT= 75 (n,n') Level
17-Cl-36
Cross Section -37.06 To 207.6 %
Min Ratio
Max Ratio
TENDL Threshold 3.8778 MeV
ENDFB8.0 Threshold 3.8778 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
3.0
1.5
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
17-Cl-36

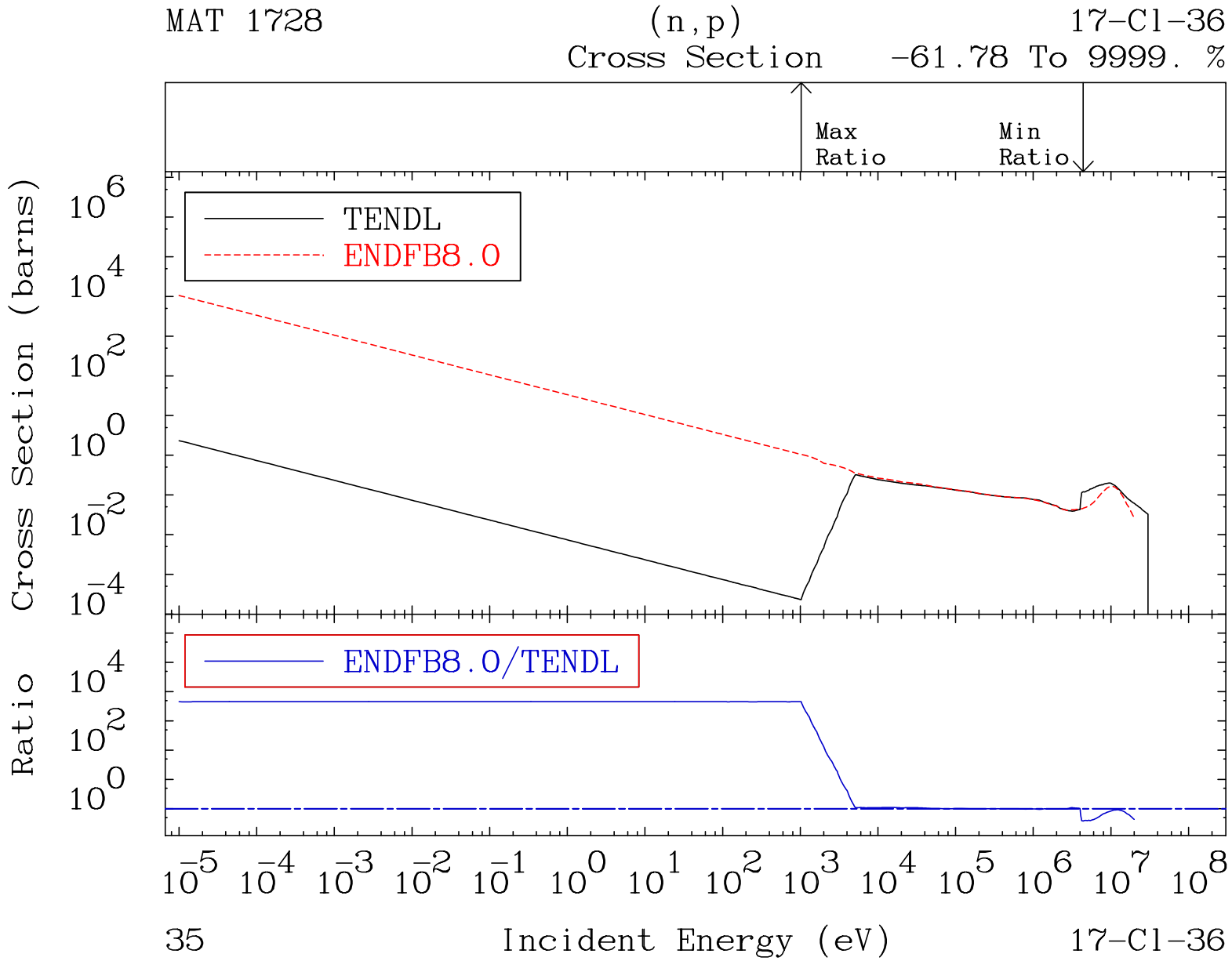

MAT 1728
MT= 76 (n,n') Level
17-Cl-36
Cross Section 0.000 To 773.9 %
Min Ratio
Max Ratio
TENDL Threshold 3.9332 MeV
ENDFB8.0 Threshold 3.9332 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
30
17-Cl-36

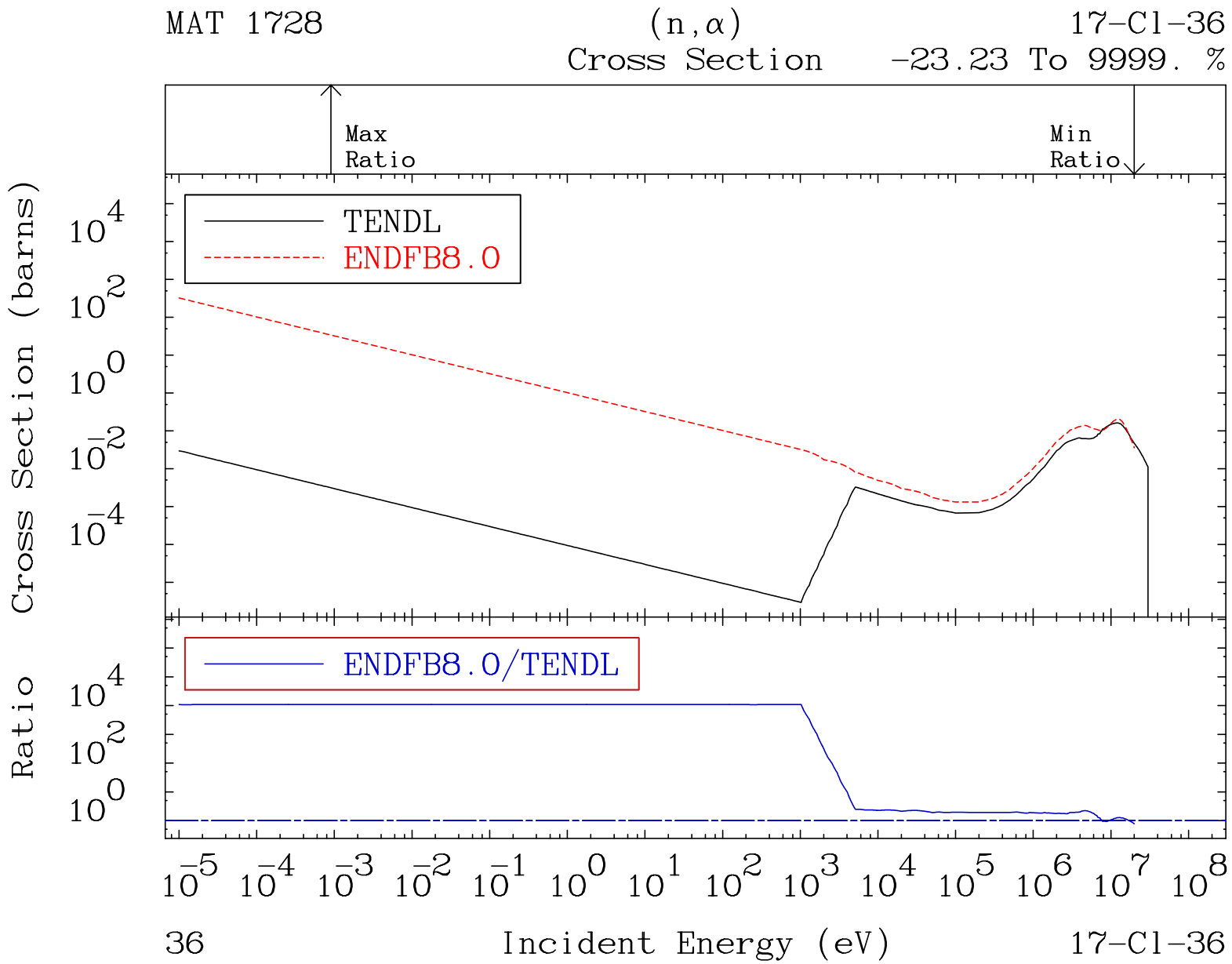

MAT 1728
MT= 77 (n,n') Level
17-Cl-36
Cross Section -90.59 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 4.0519 MeV
ENDFB8.0 Threshold 4.0519 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
31
17-Cl-36

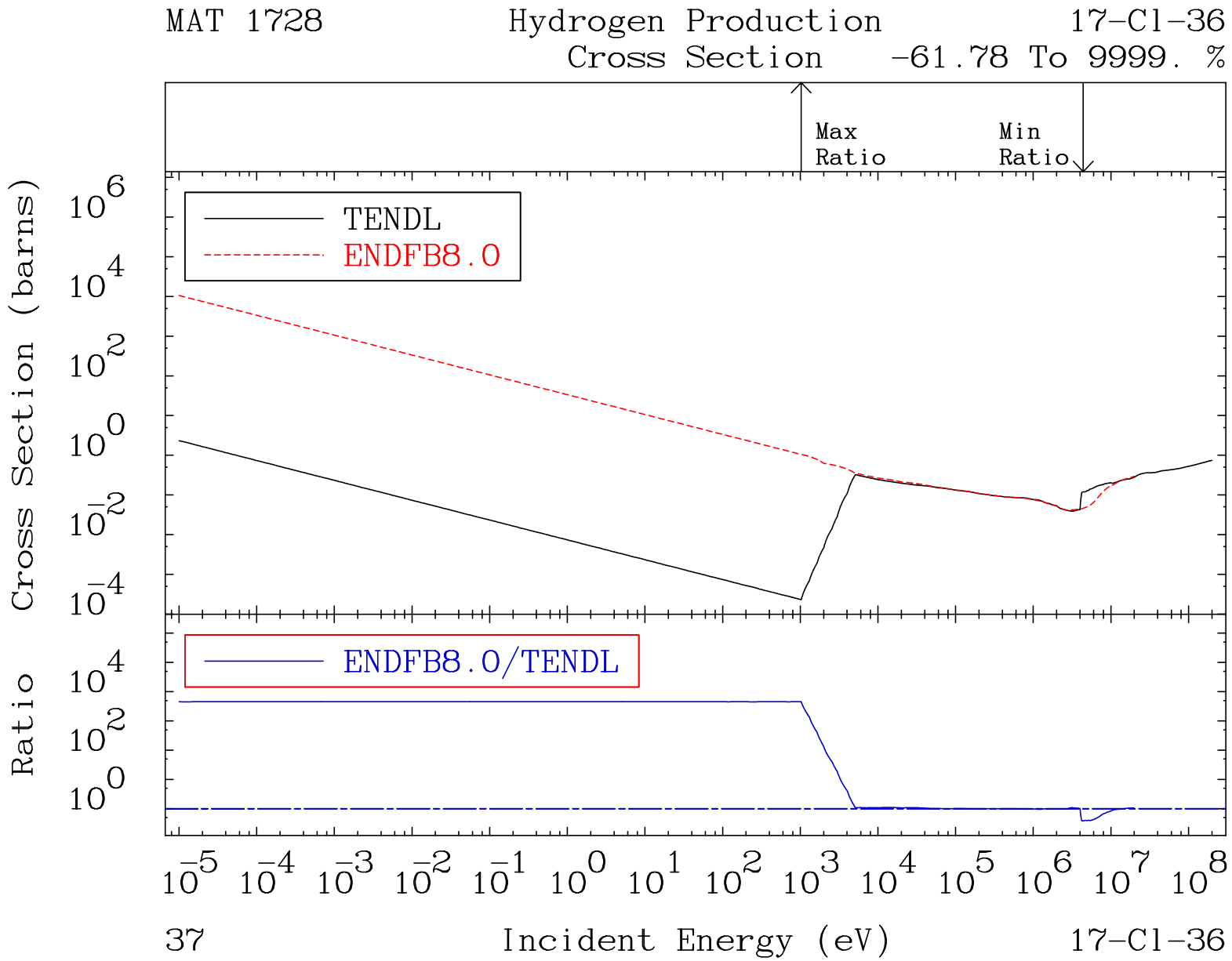

MAT 1728
MT= 78 (n,n') Level
17-Cl-36
Cross Section -11.44 To 319.1 %
Min Ratio
Max Ratio
TENDL Threshold 4.0740 MeV
ENDFB8.0 Threshold 4.0740 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
32
17-Cl-36

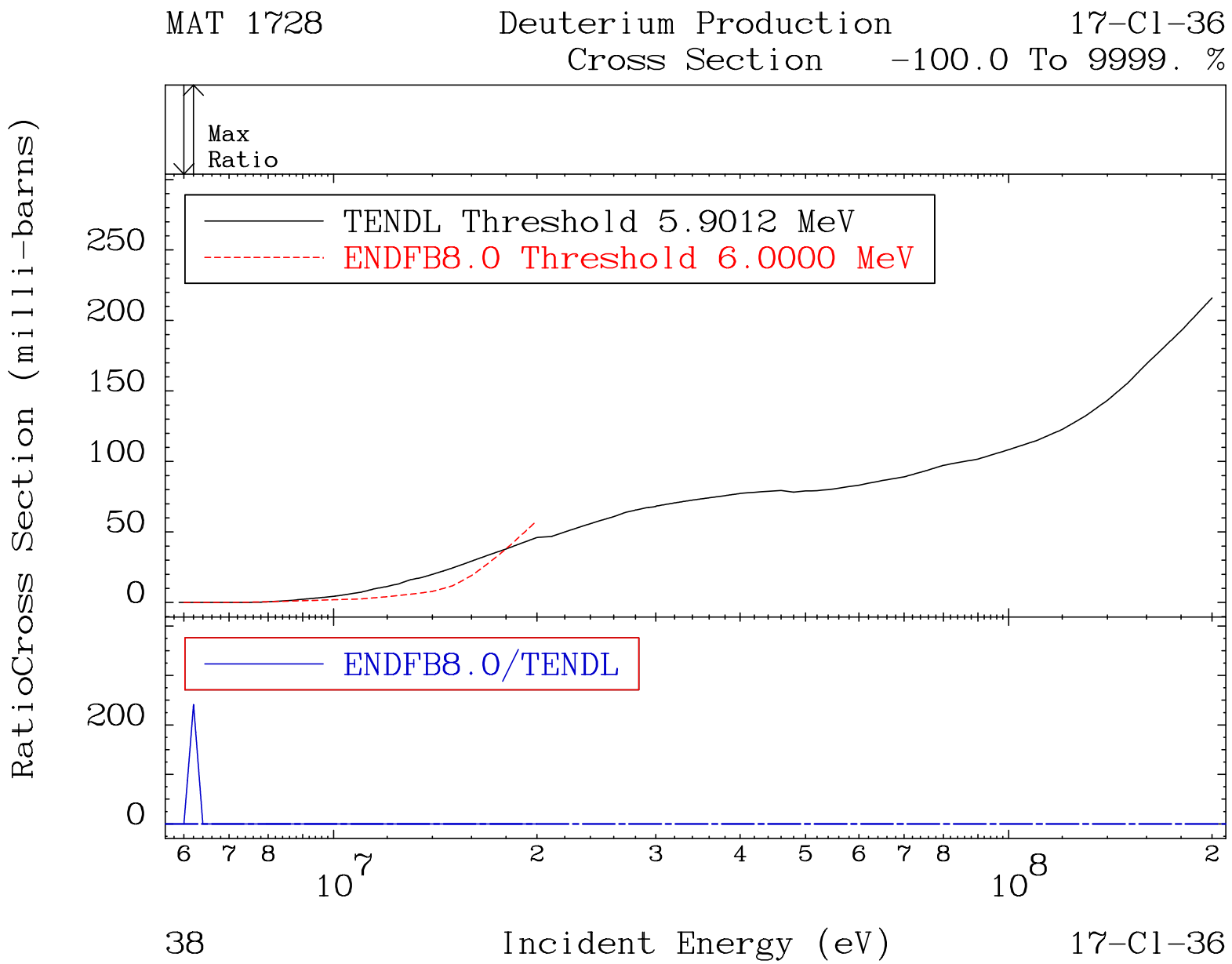

MAT 1728
(n,n') Continuum
Cross Section
17-Cl-36
-99.96 To 13.23 %
Min Ratio
Max Ratio
TENDL Threshold 4.0740 MeV
ENDFB8.0 Threshold 3.7620 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
33
17-Cl-36

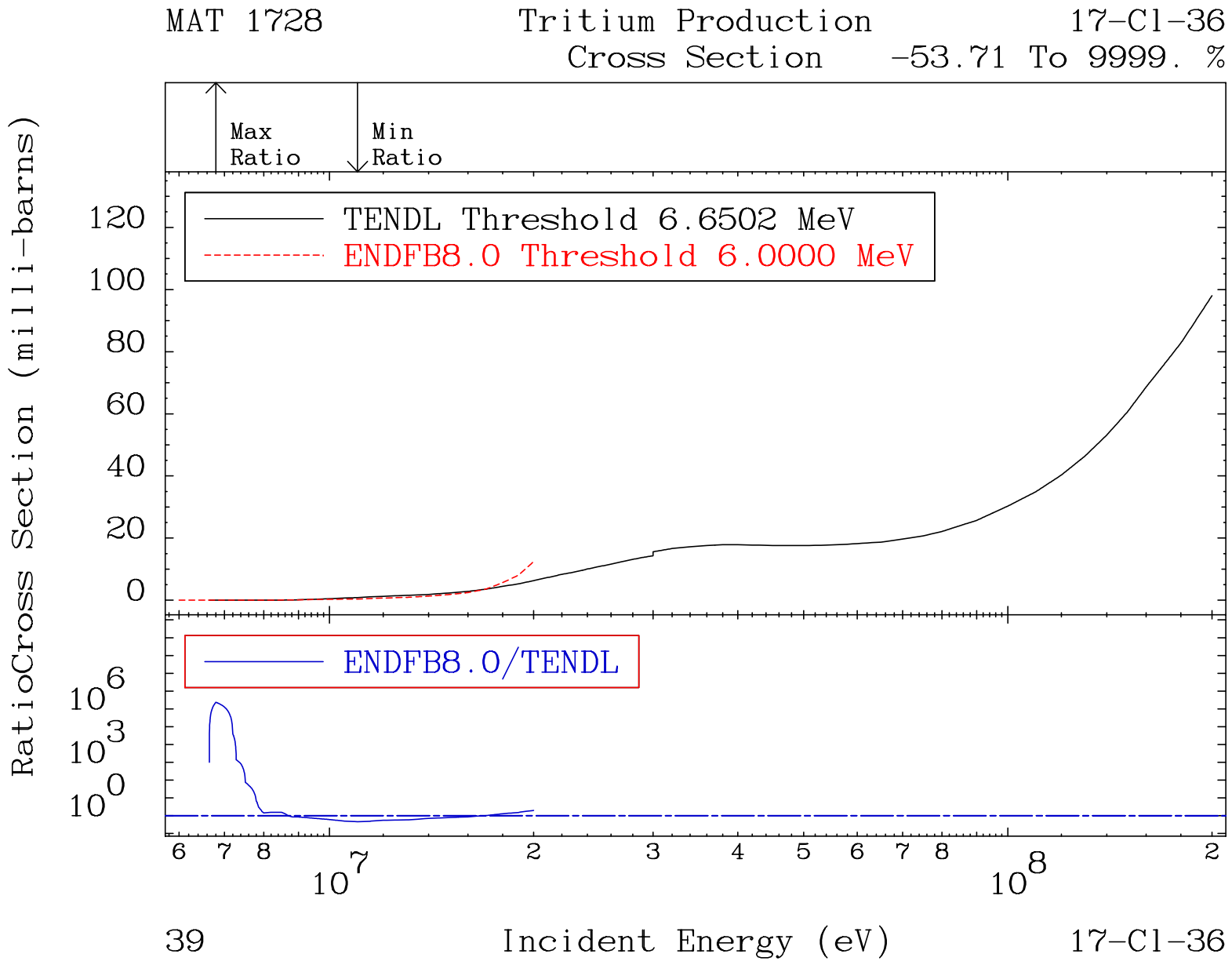

MAT 1728
(n,γ)
17-Cl-36
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
34
17-Cl-36

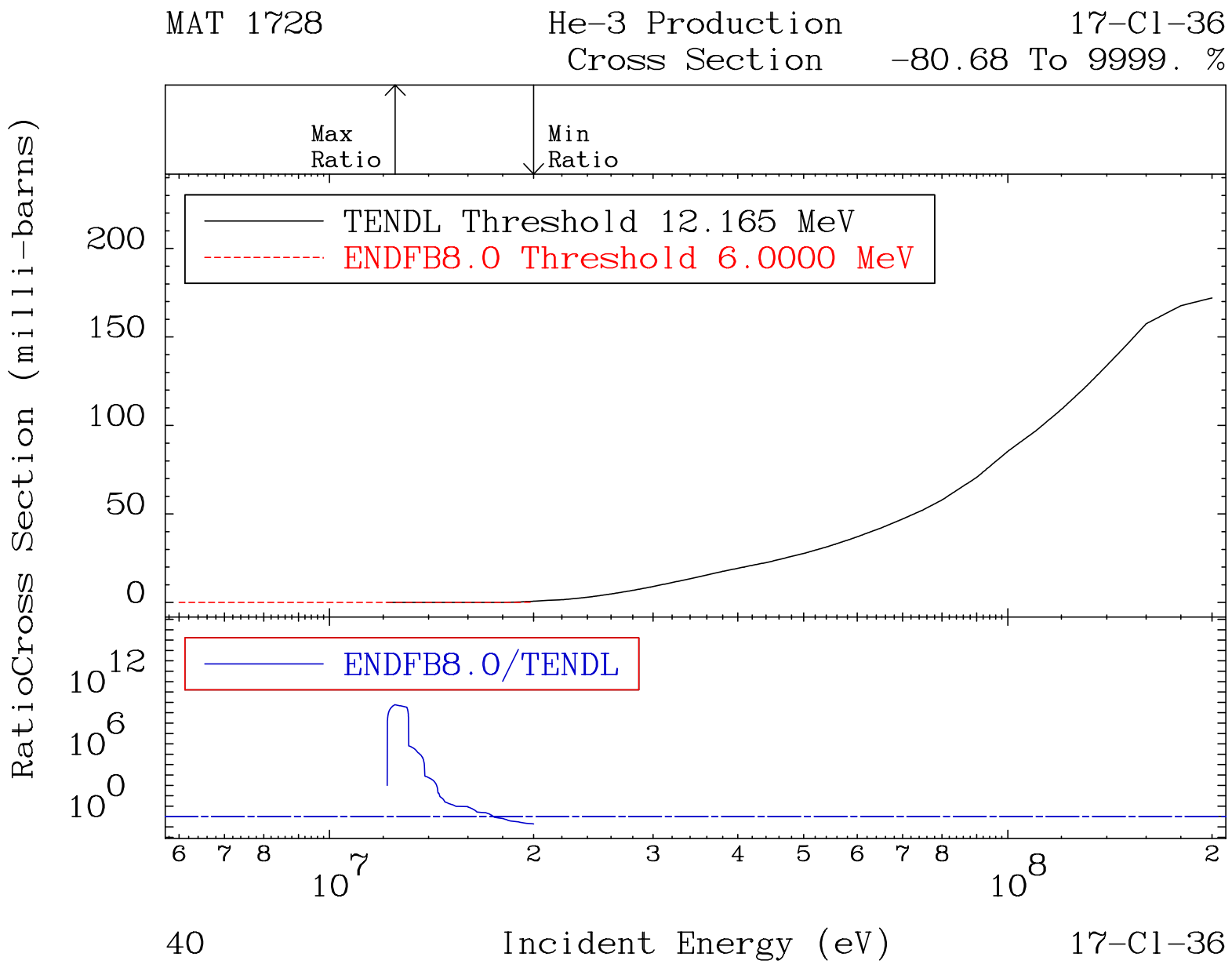

MAT 1728
(n,p)
17-Cl-36
Cross Section
-61.78 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
35
17-Cl-36

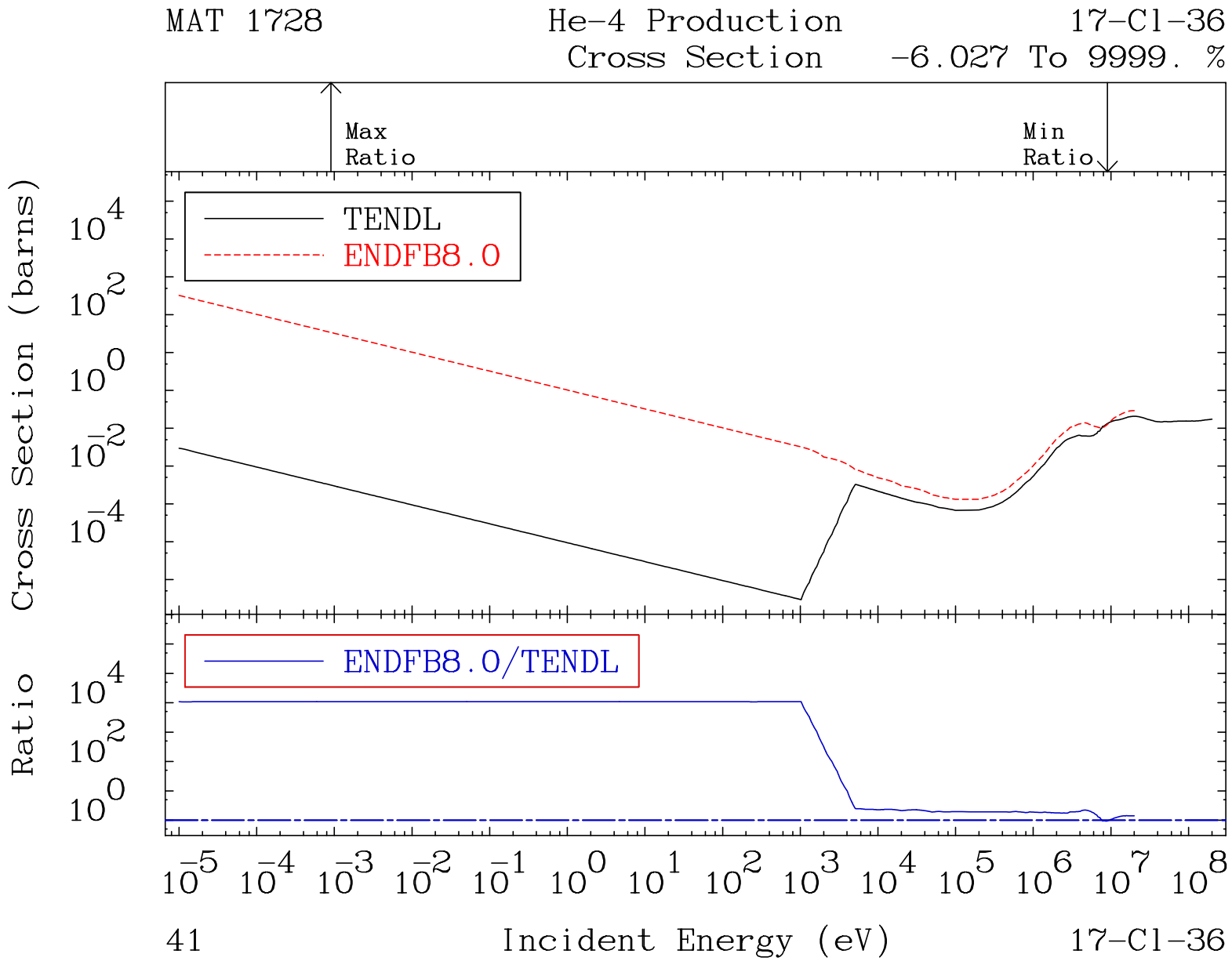

MAT 1728
(n,α)
17-Cl-36
Cross Section
-23.23 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
36
17-Cl-36

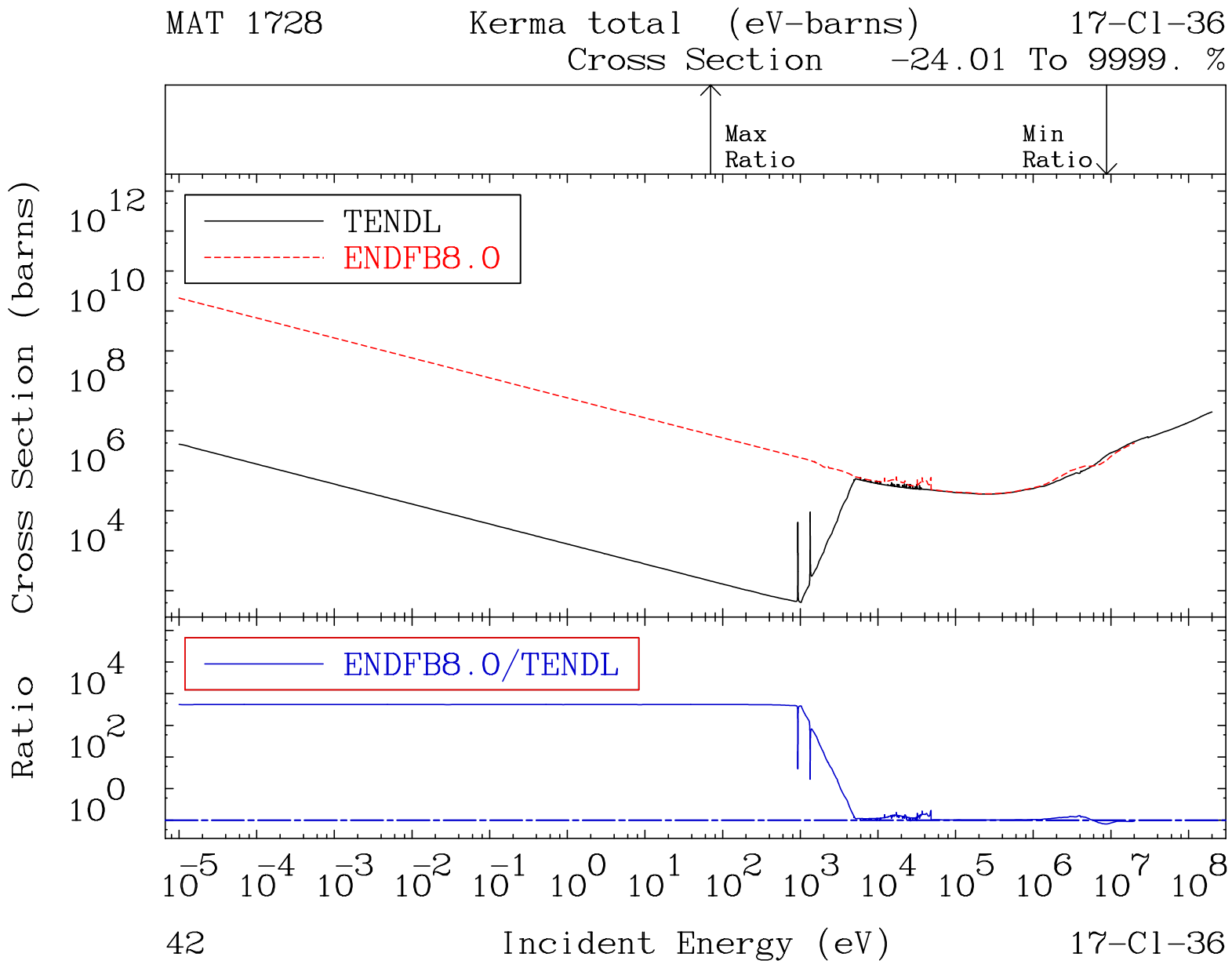

MAT 1728
Hydrogen Production
17-Cl-36
Cross Section -61.78 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
37
17-Cl-36

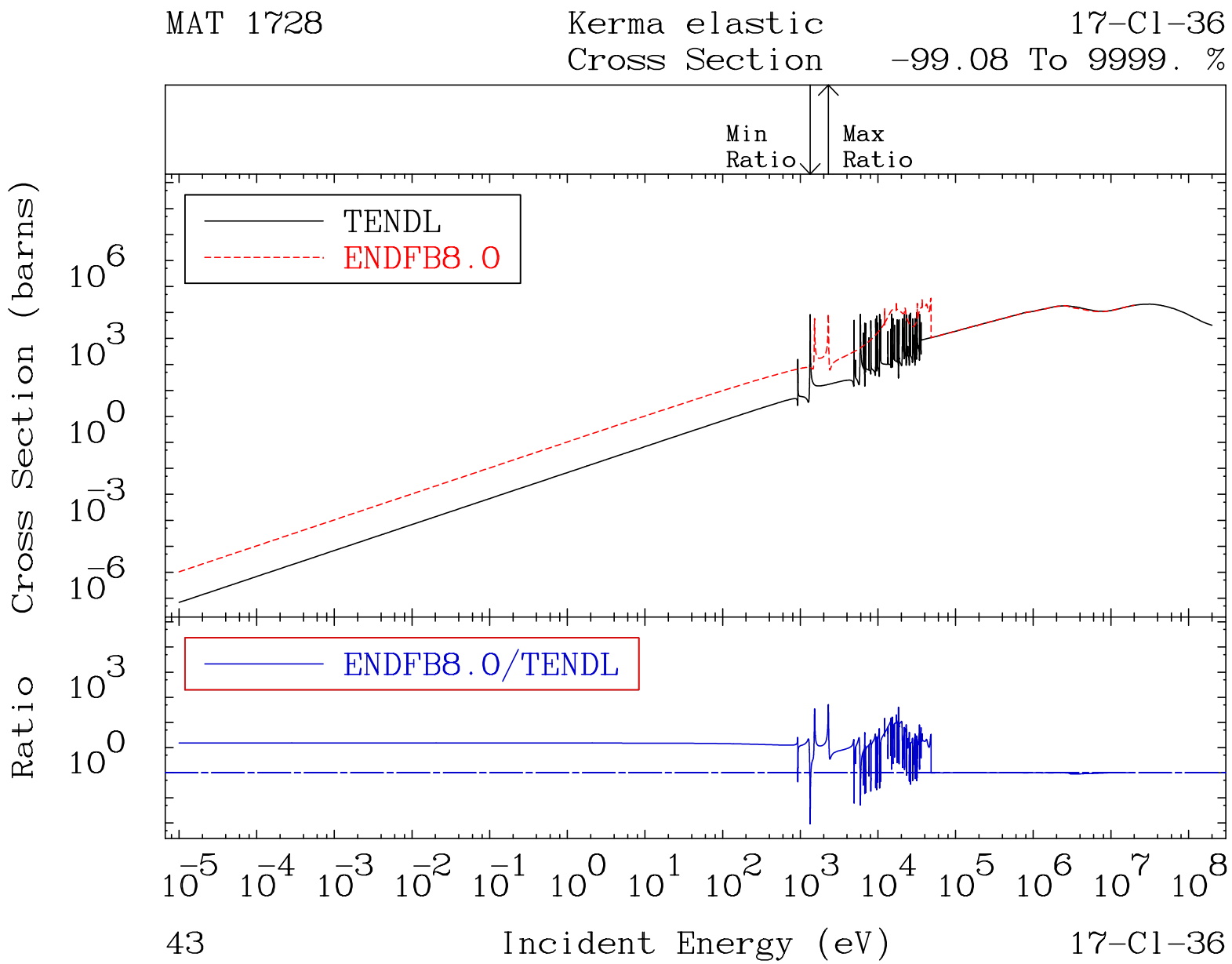

MAT 1728
Deuterium Production
17-Cl-36
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 5.9012 MeV
ENDFB8.0 Threshold 6.0000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
200
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
38
Incident Energy (eV)
17-Cl-36

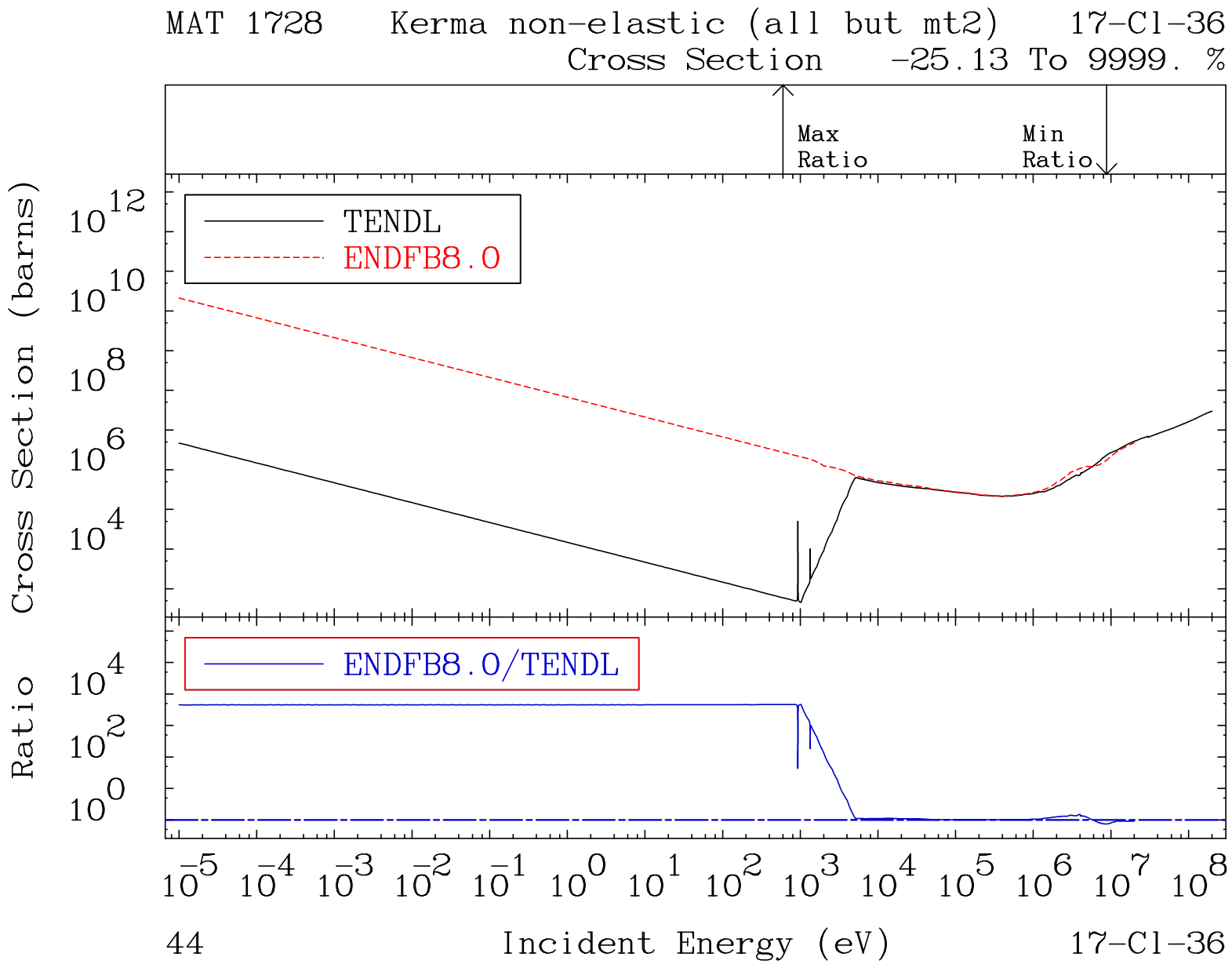

MAT 1728
Tritium Production
17-Cl-36
Cross Section
-53.71 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.6502 MeV
ENDFB8.0 Threshold 6.0000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
10^6
10^3
10^0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
39
Incident Energy (eV)
17-Cl-36

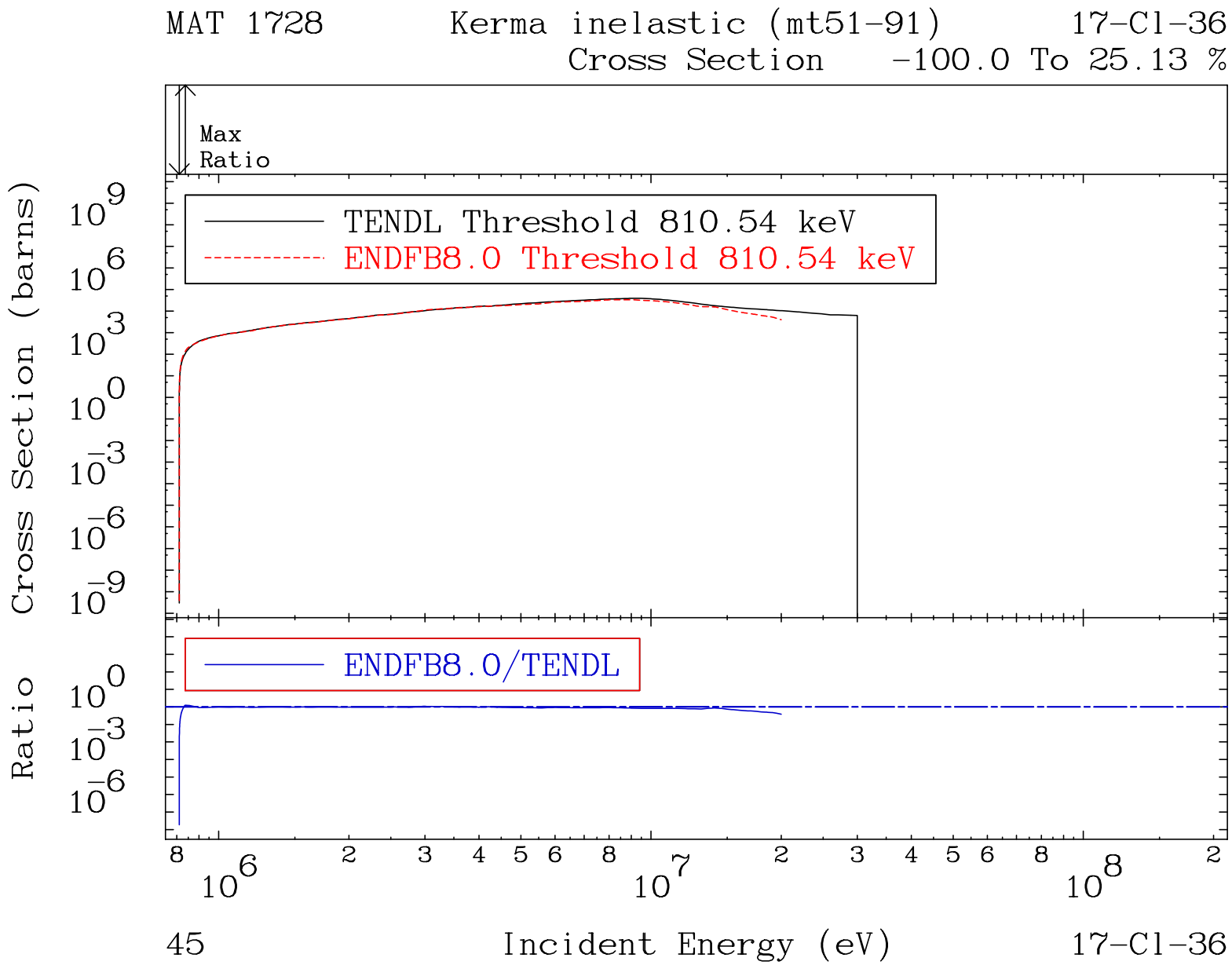

MAT 1728
He-3 Production
Cross Section
17-Cl-36
-80.68 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 12.165 MeV
ENDFB8.0 Threshold 6.0000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
10^12
10^6
10^0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
40
17-Cl-36

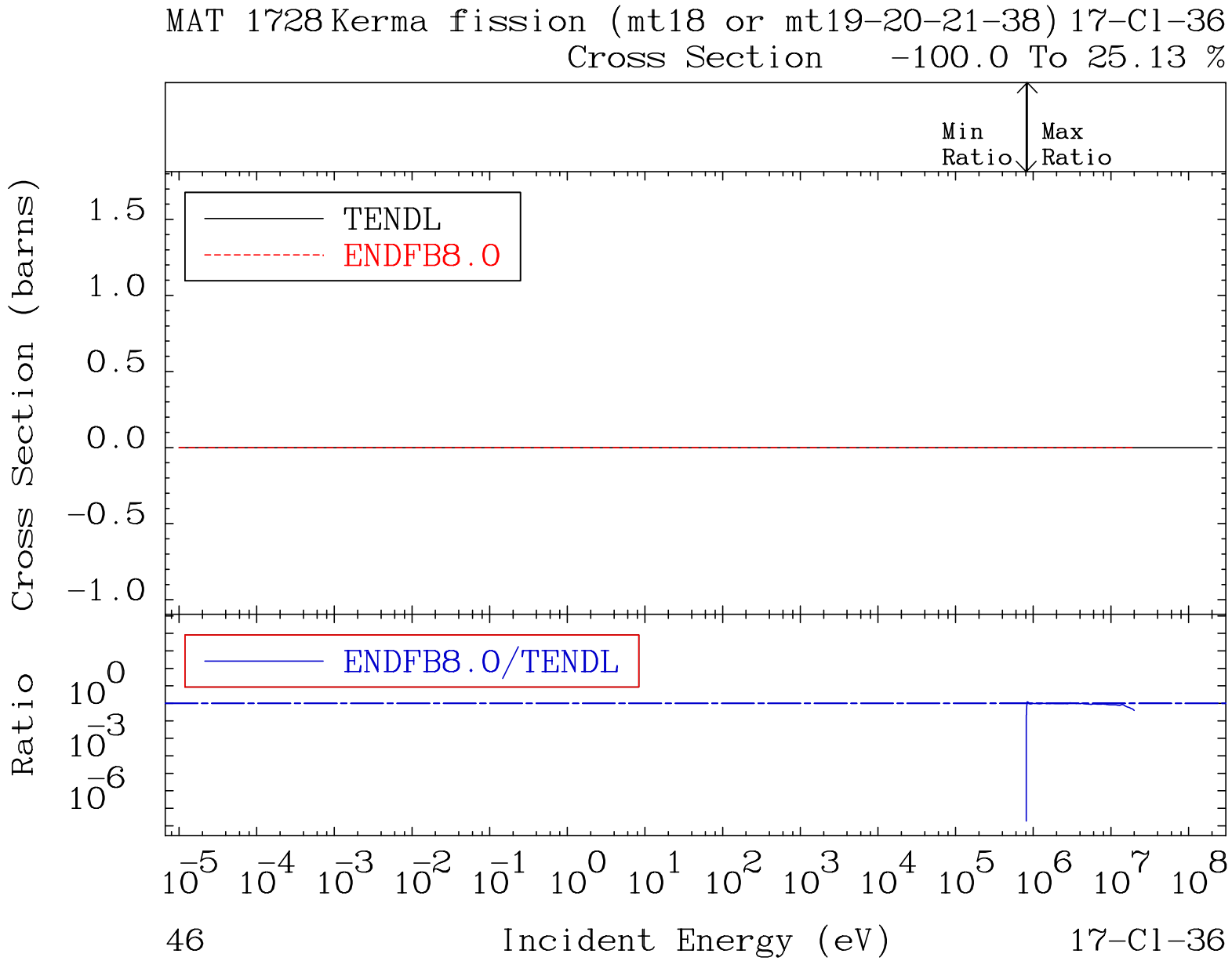

MAT 1728
He-4 Production
Cross Section
17-Cl-36
-6.027 To 9999. %
Max
Ratio
Min
Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
41
17-Cl-36

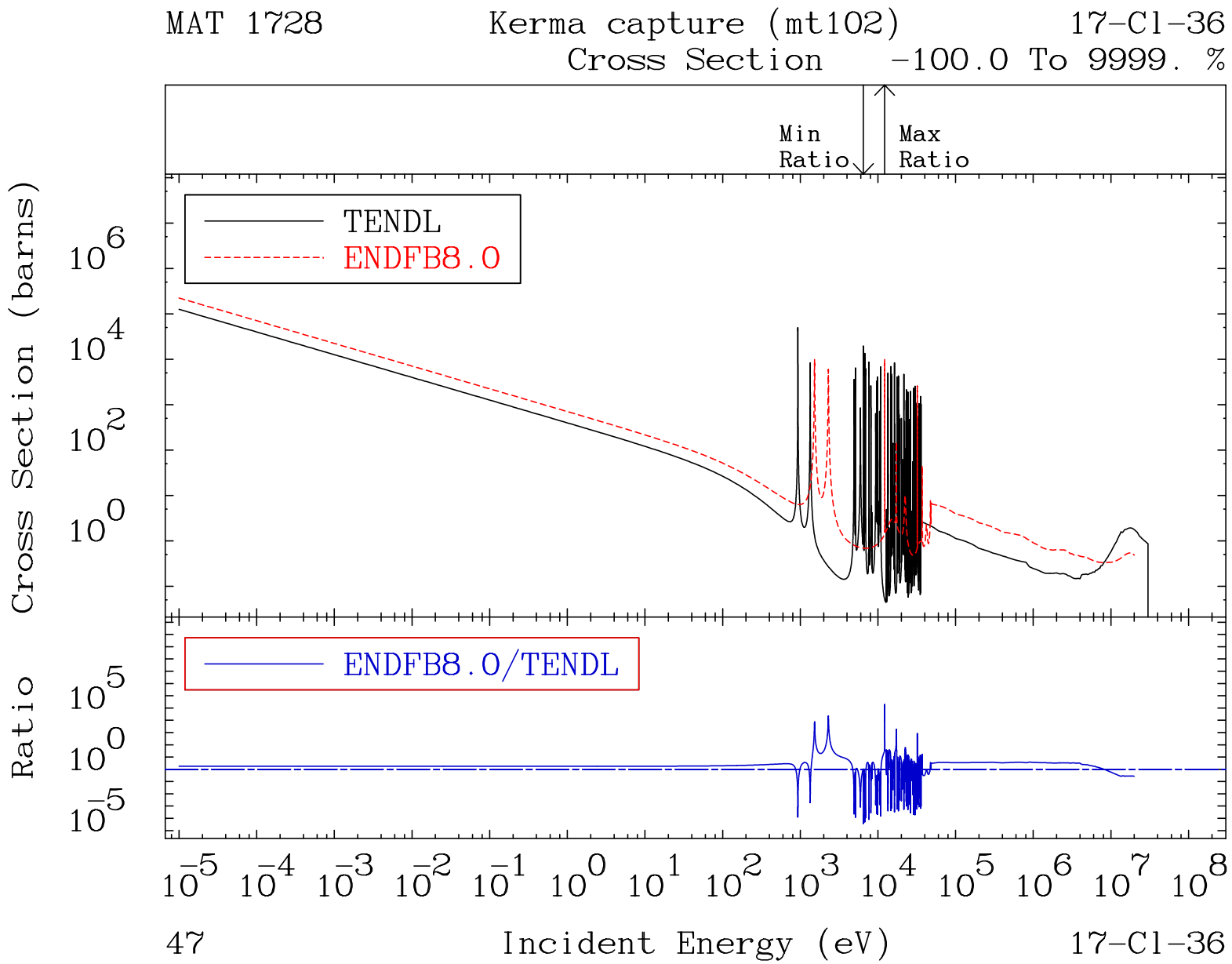

MAT 1728
Kerma total (eV-barns)
17-Cl-36
Cross Section -24.01 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
42
17-Cl-36

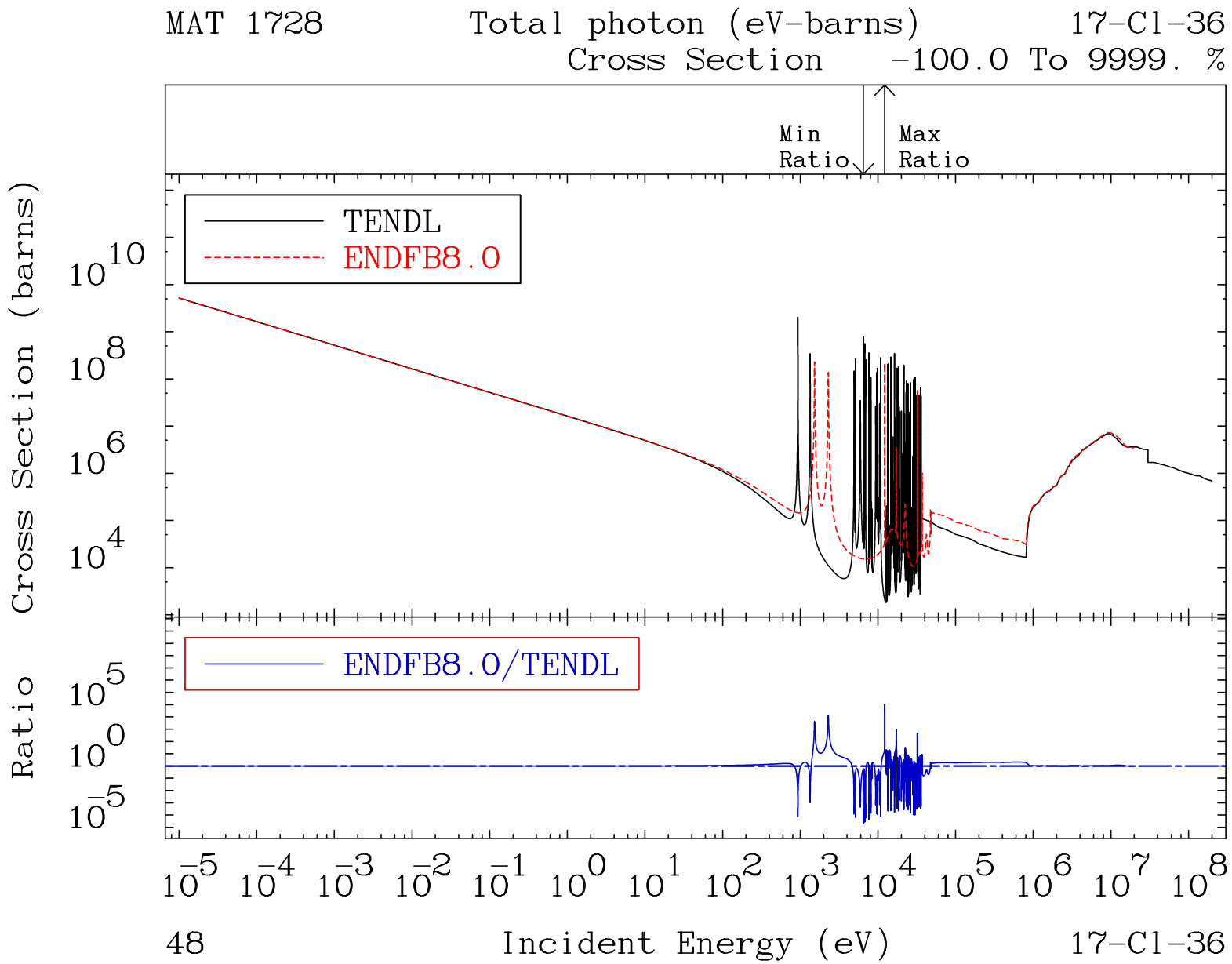

MAT 1728
Kerma elastic
Cross Section
17-Cl-36
-99.08 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
43
17-Cl-36

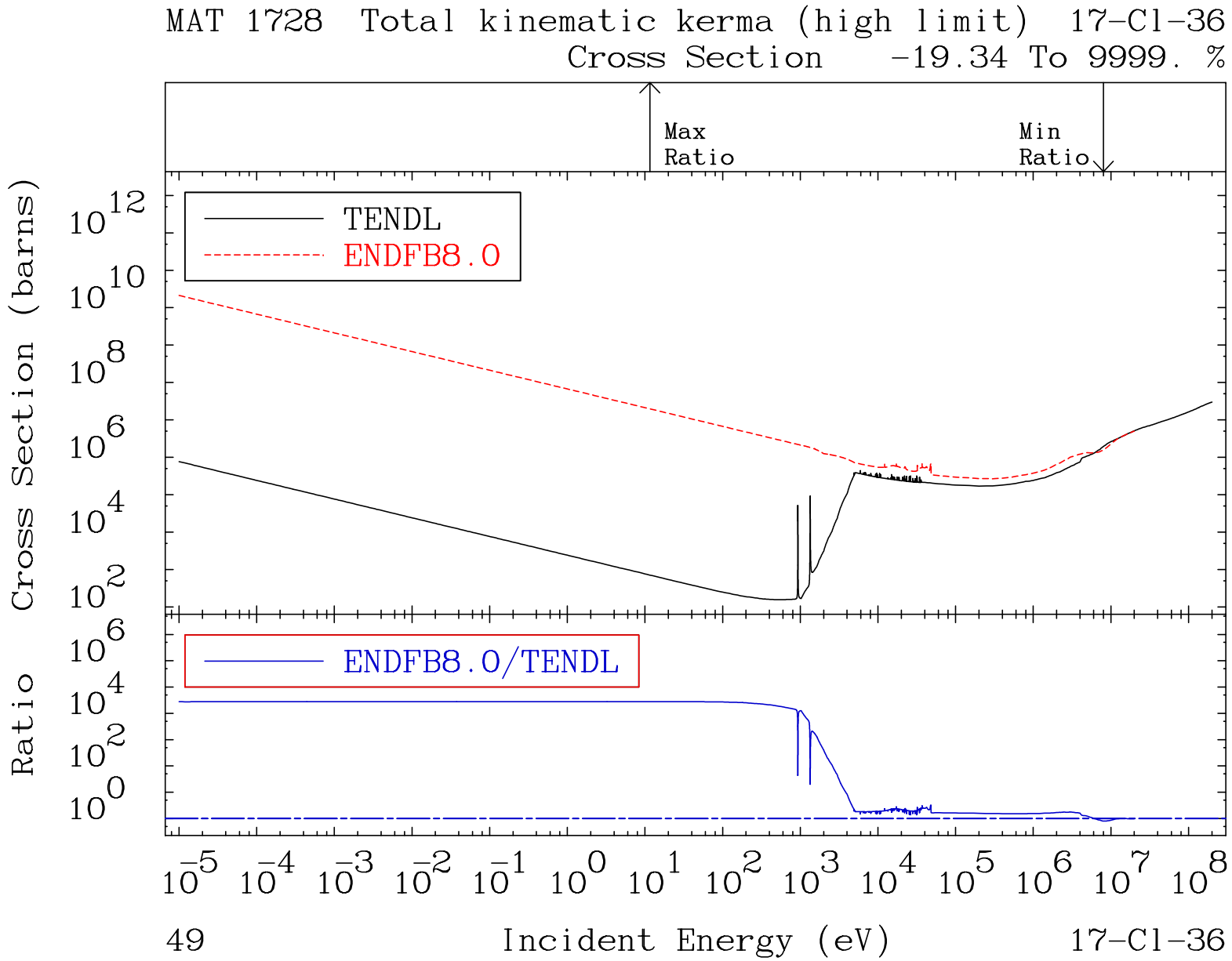

MAT 1728 Kerma non-elastic (all but mt2) 17-Cl-36
Cross Section -25.13 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
44
17-Cl-36

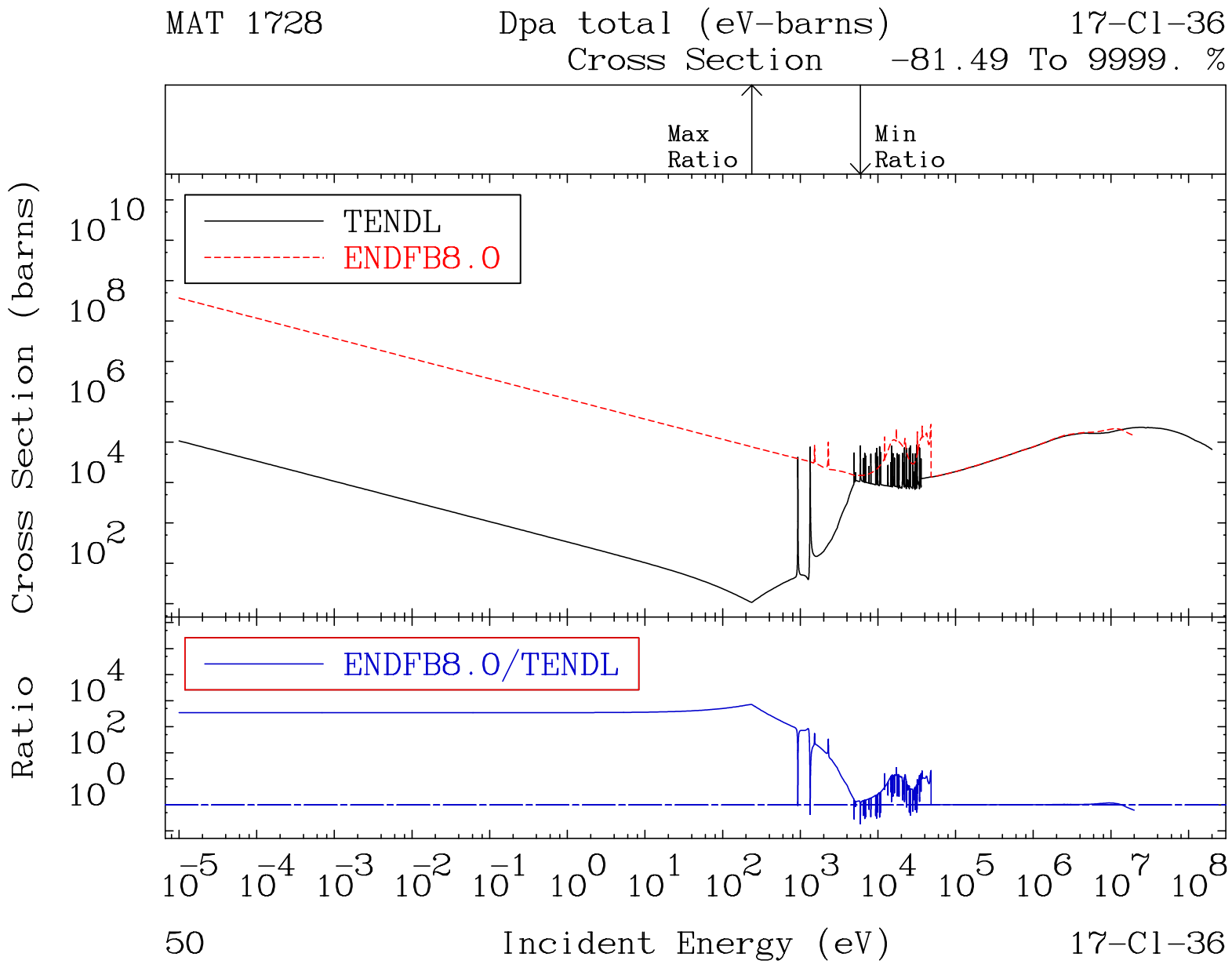

MAT 1728
Kerma inelastic (mt51-91)
17-Cl-36
Cross Section
-100.0 To 25.13 %
Max
Ratio
TENDL Threshold 810.54 keV
ENDFB8.0 Threshold 810.54 keV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
45
17-Cl-36

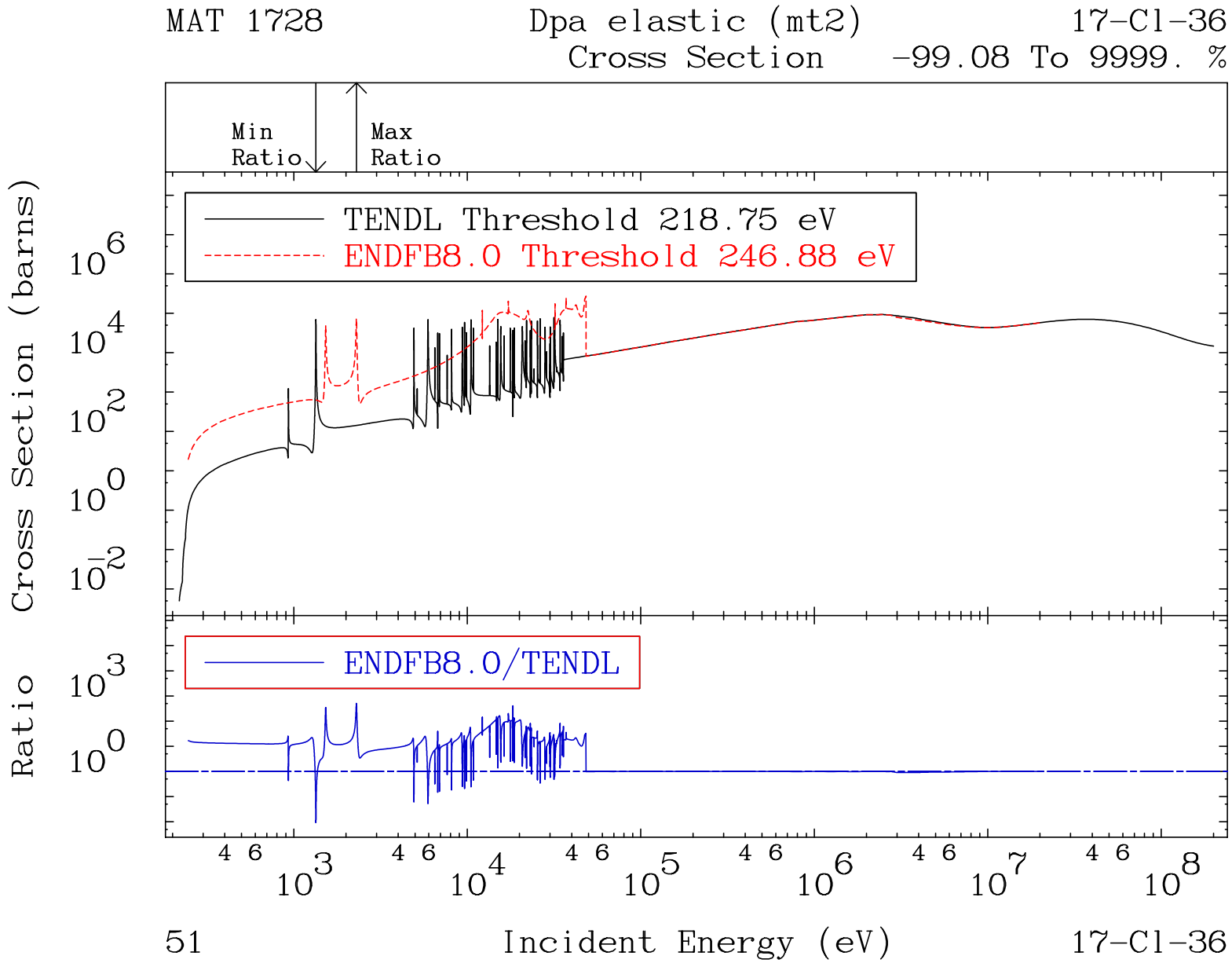

MAT 1728 Kerma fission (mt18 or mt19-20-21-38) 17-Cl-36
Cross Section -100.0 To 25.13 %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{0}
10^{-3}
10^{-6}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
46
Incident Energy (eV)
17-Cl-36

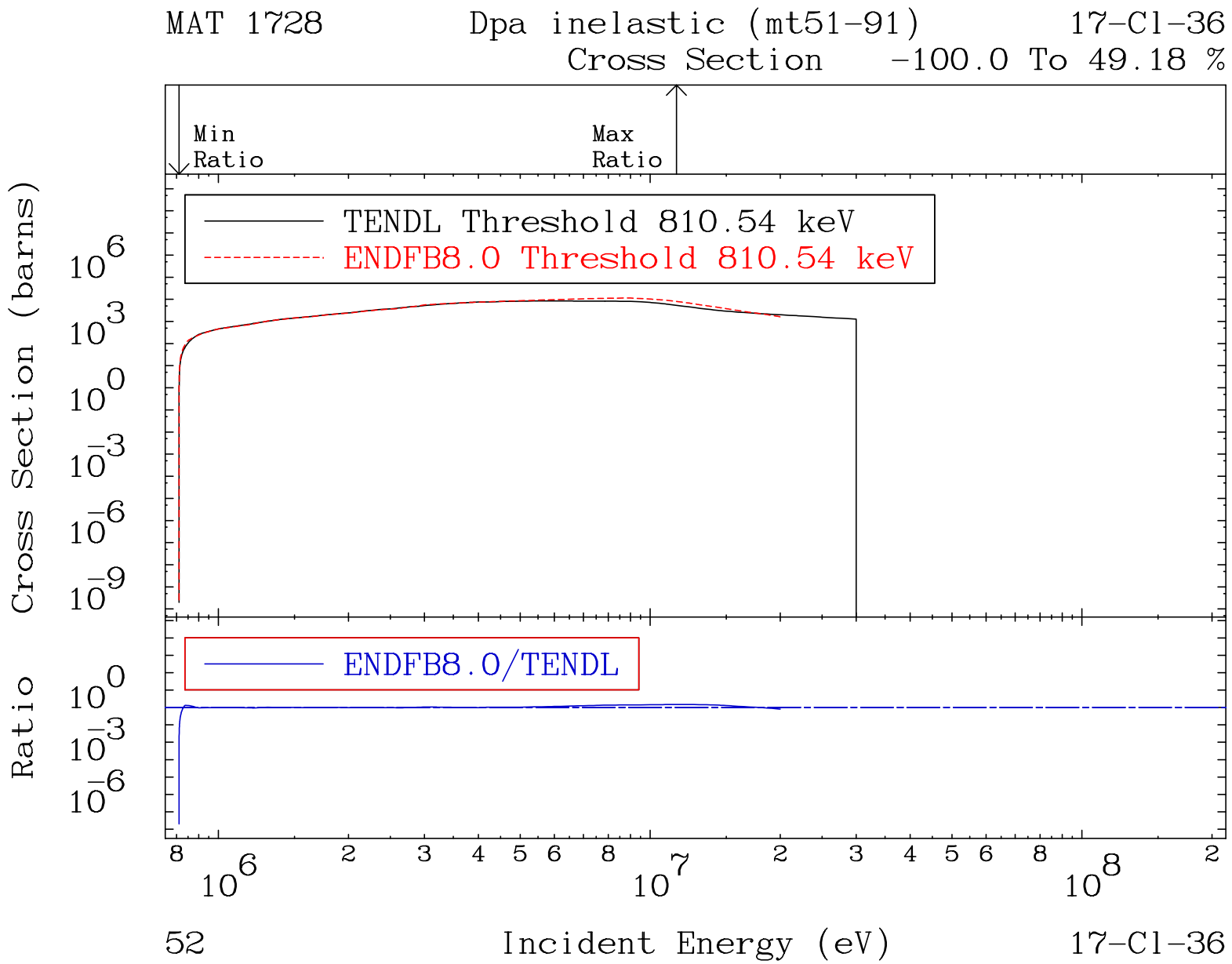

MAT 1728
Kerma capture (mt102)
17-Cl-36
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
47
17-Cl-36

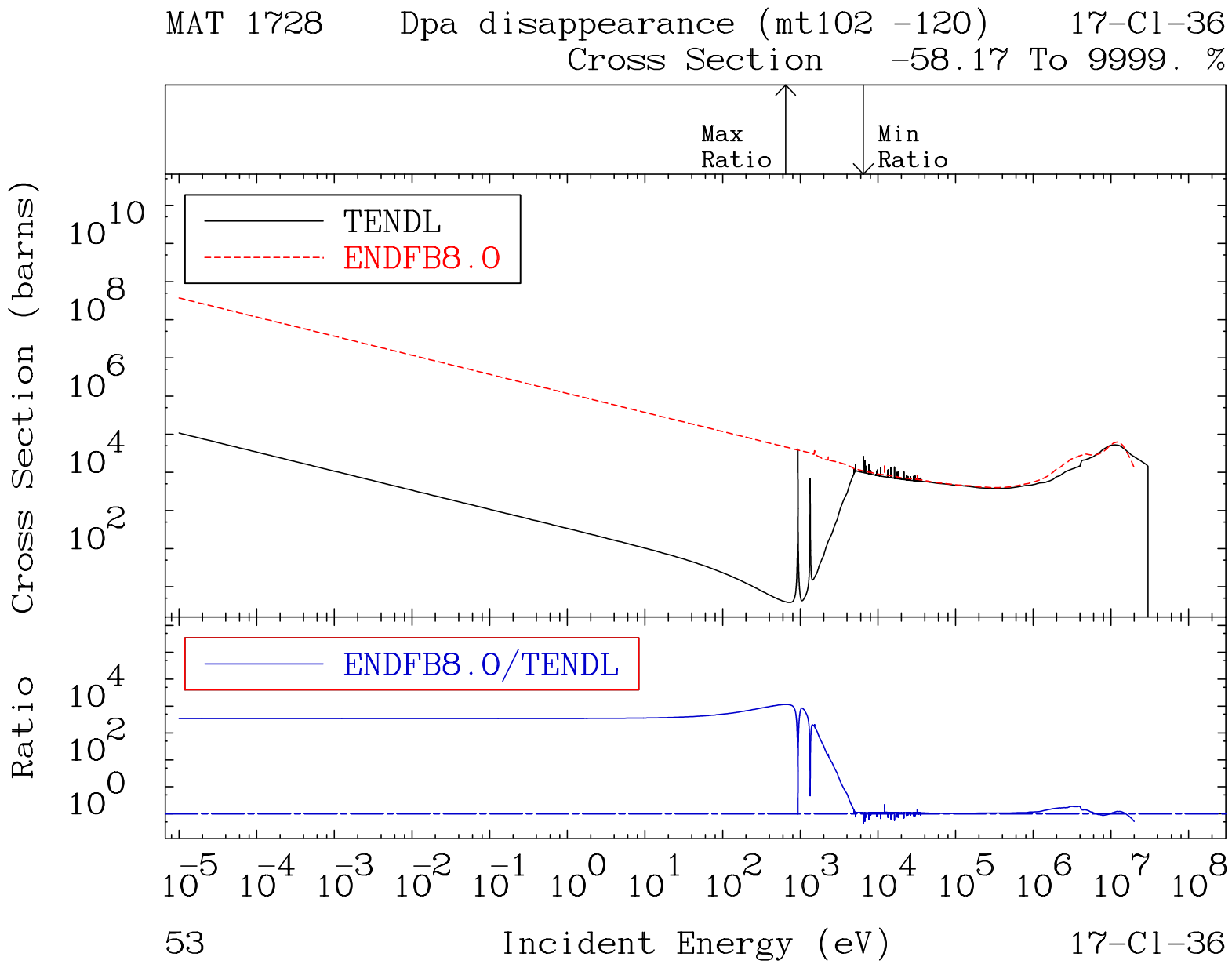

MAT 1728
Total photon (eV-barns)
17-Cl-36
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
10^{10}
10^{8}
10^{6}
10^{4}
ENDFB8.0/TENDL
Ratio
10^{5}
10^{0}
10^{-5}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
48
Incident Energy (eV)
17-Cl-36


MAT 1728 Total kinematic kerma (high limit) 17-Cl-36
Cross Section -19.34 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
49
17-Cl-36


MAT 1728
Dpa total (eV-barns)
17-Cl-36
Cross Section -81.49 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
50
17-Cl-36


MAT 1728
Dpa elastic (mt2)
Cross Section
17-Cl-36
-99.08 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 218.75 eV
ENDFB8.0 Threshold 246.88 eV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
17-Cl-36


MAT 1728
Dpa inelastic (mt51-91)
17-Cl-36
Cross Section
-100.0 To 49.18 %
Min Ratio
Max Ratio
TENDL Threshold 810.54 keV
ENDFB8.0 Threshold 810.54 keV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
17-Cl-36


MAT 1728 Dpa disappearance (mt102 -120) 17-Cl-36
Cross Section -58.17 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
17-Cl-36