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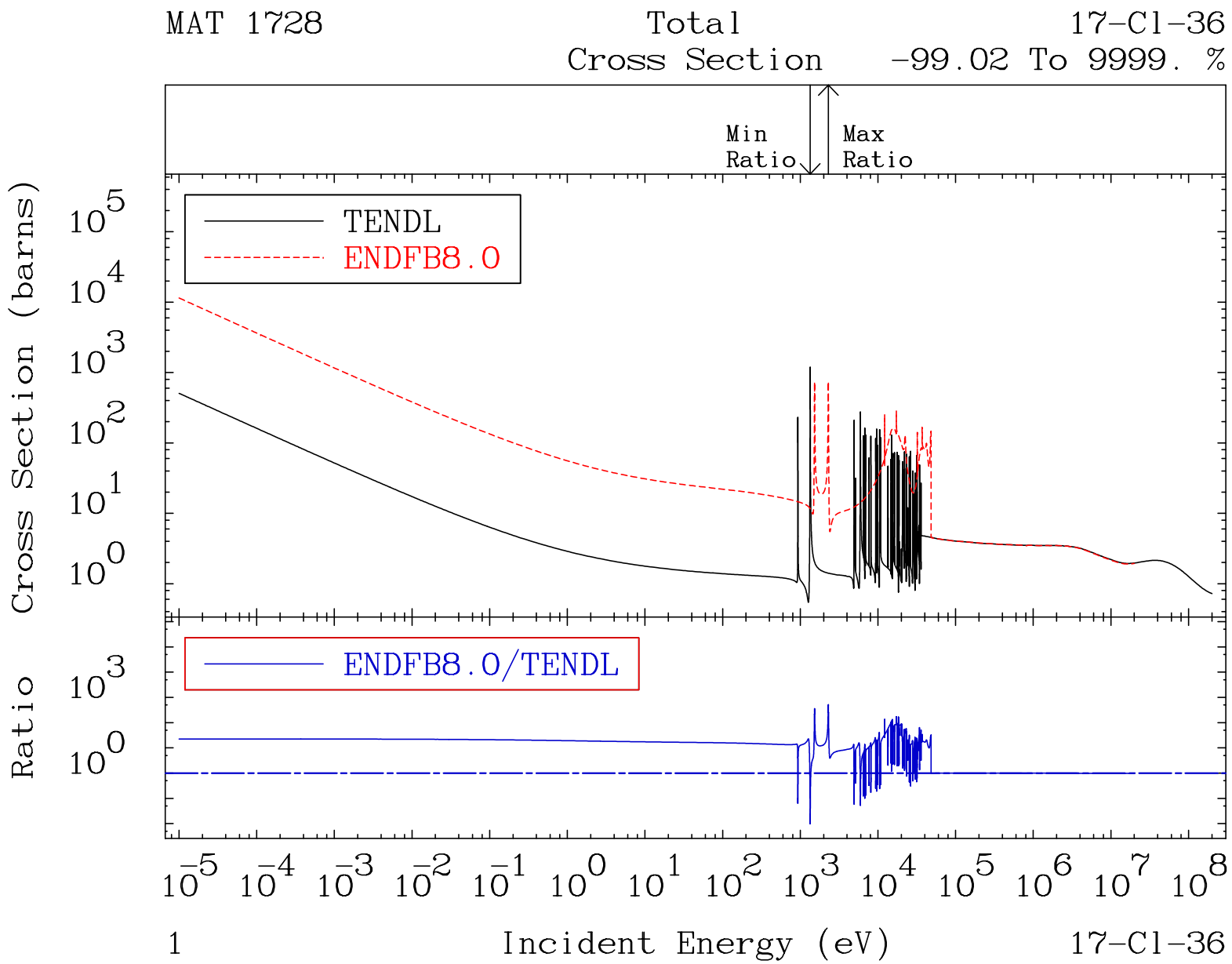
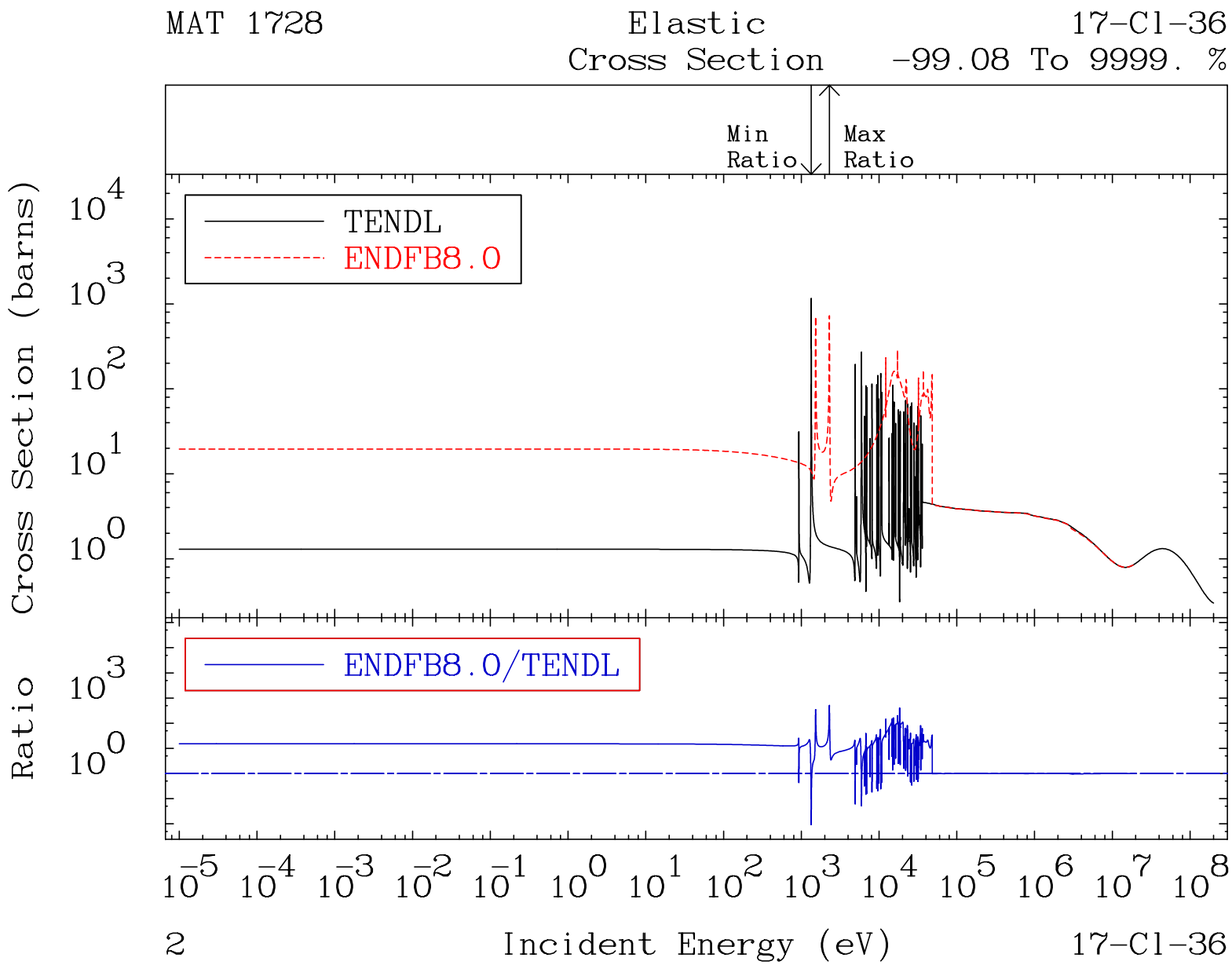
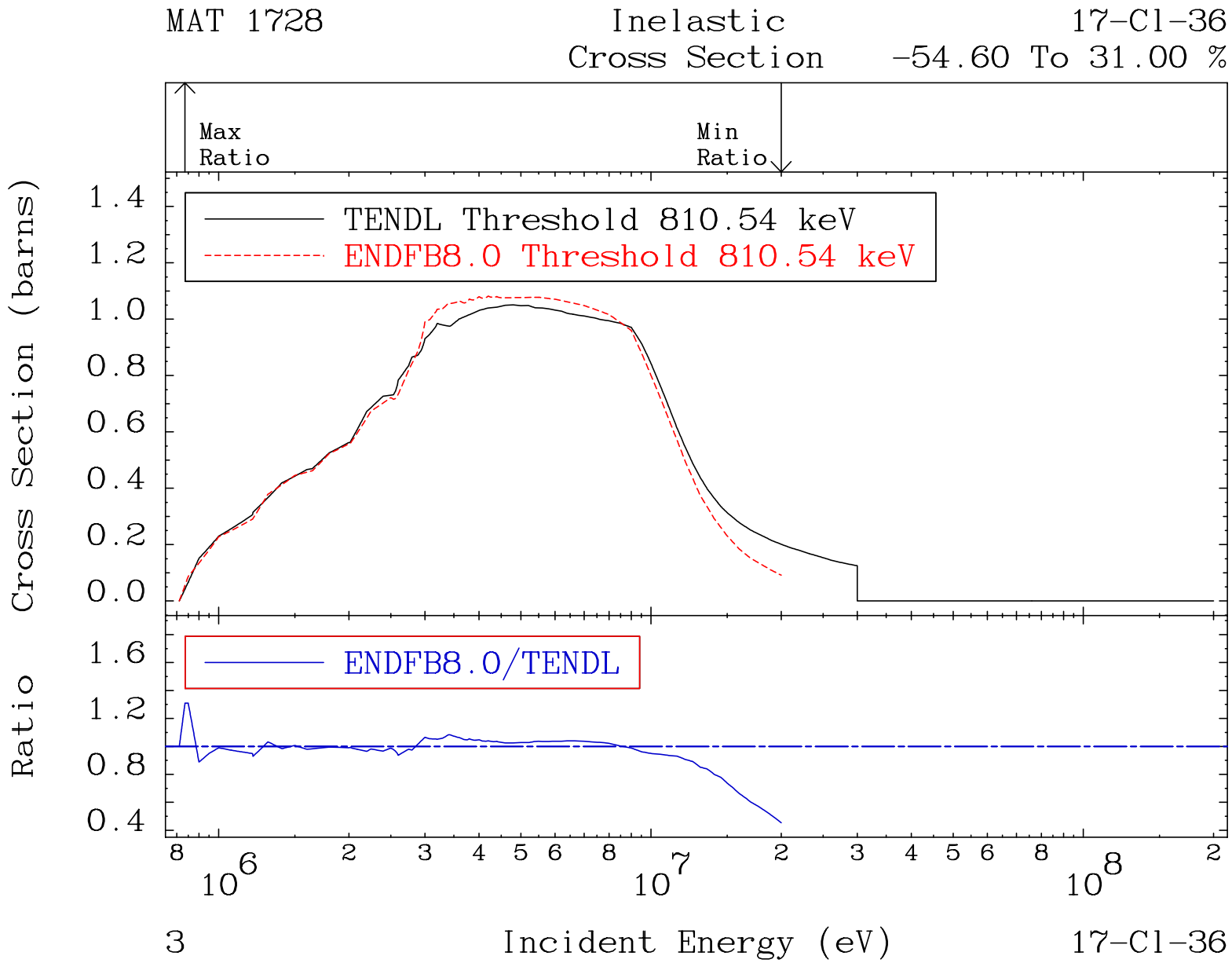
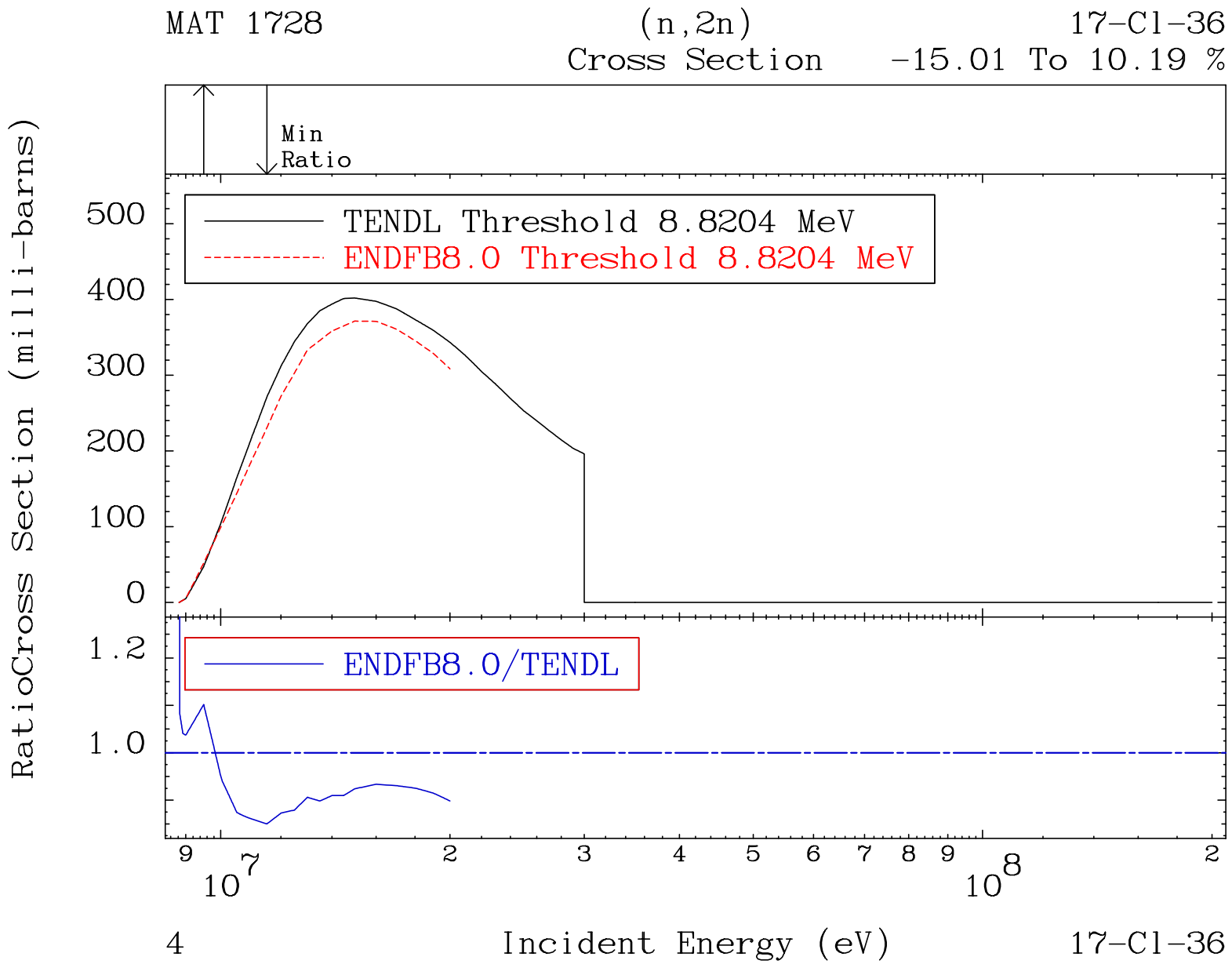
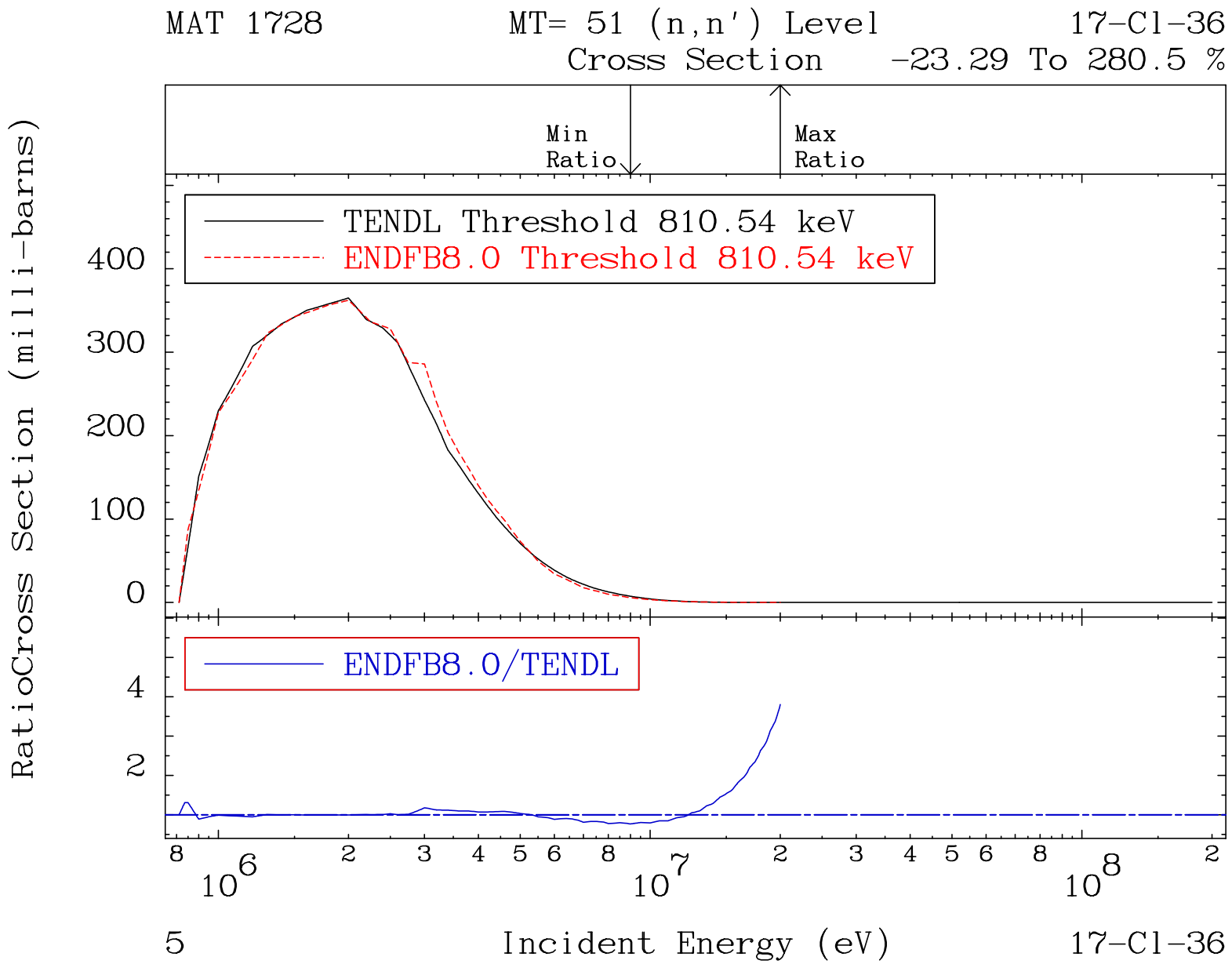
Press Mouse Button to Start

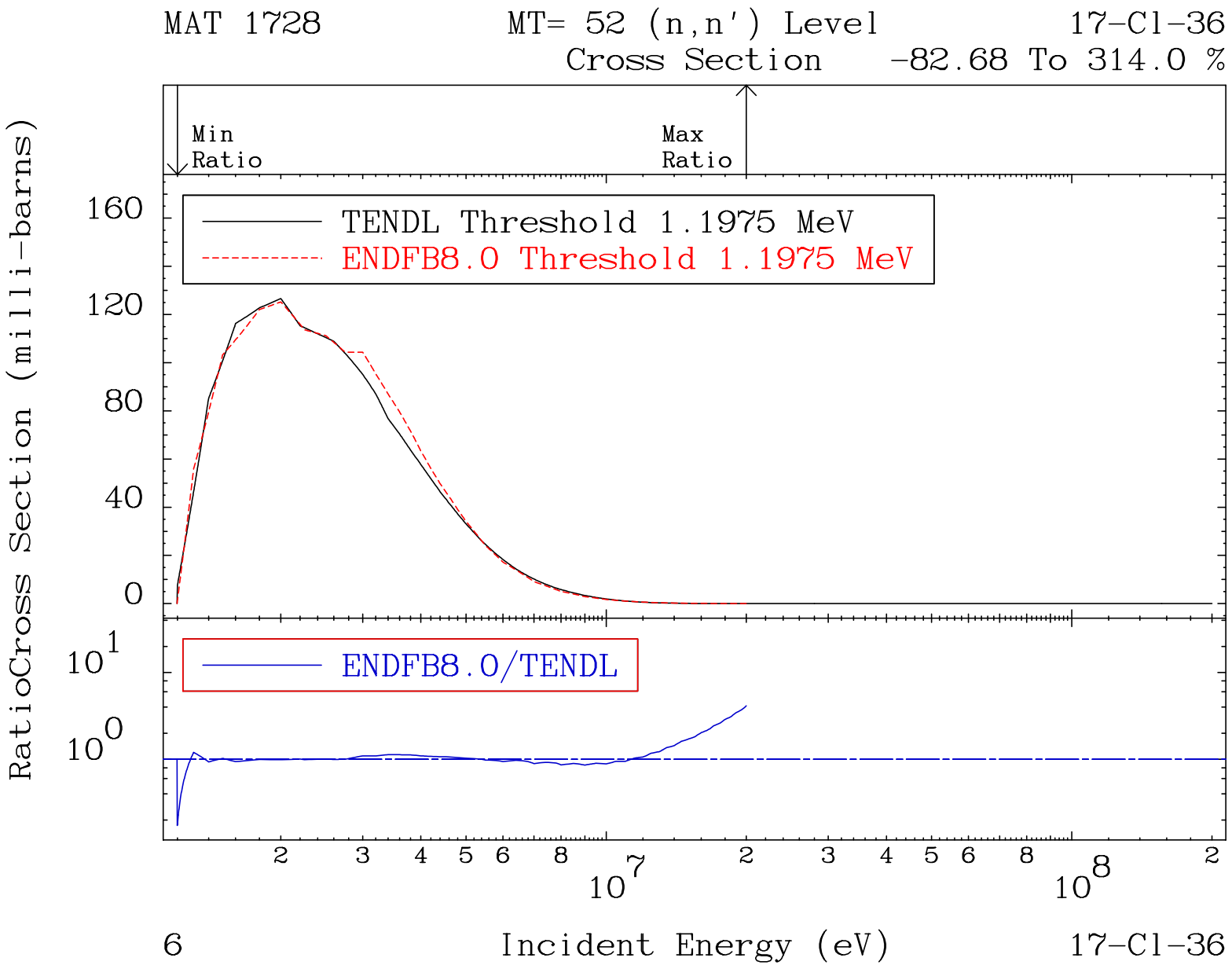

MAT 1728
Total
Cross Section
17-Cl-36
-99.02 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
17-Cl-36

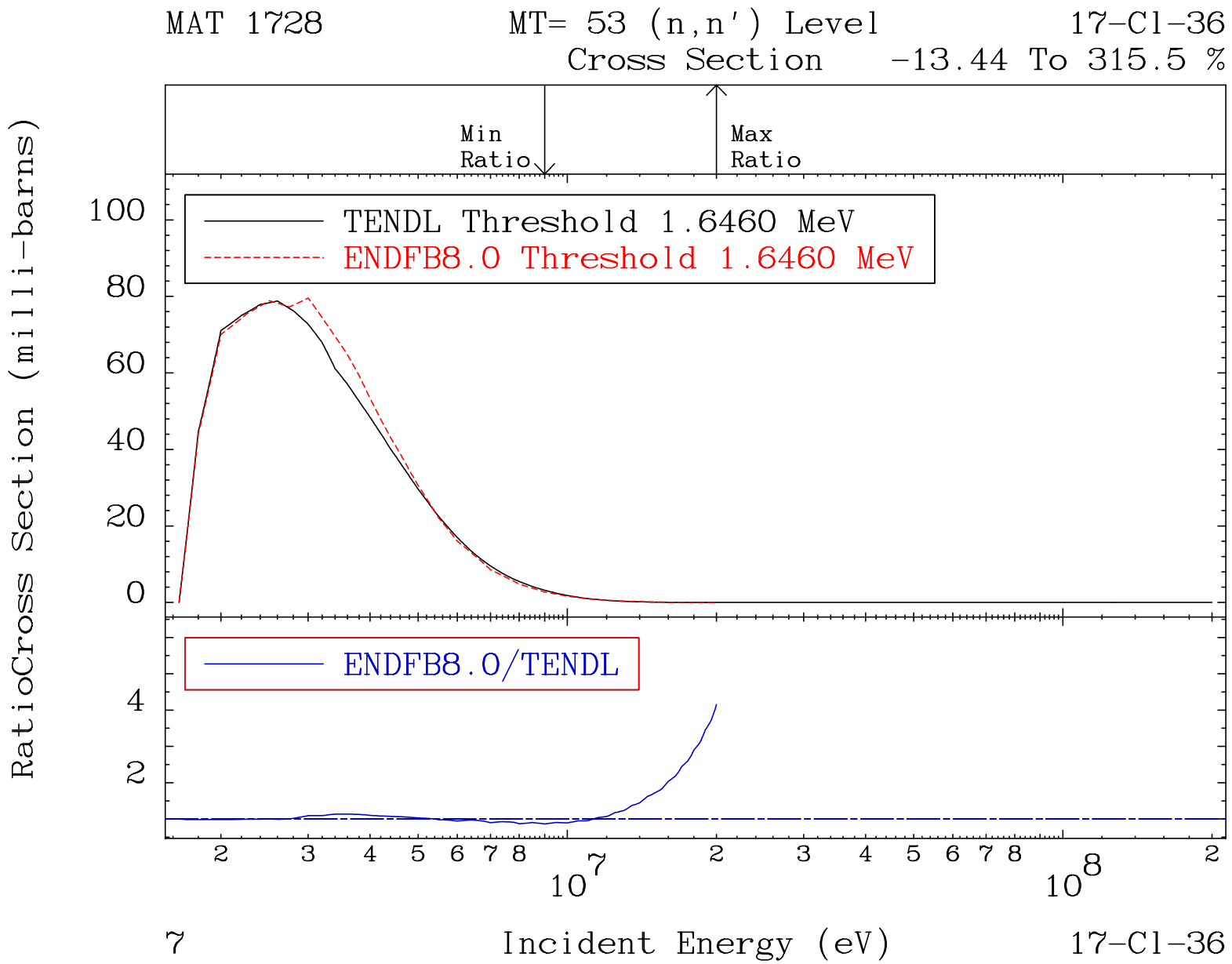

MAT 1728
Elastic
Cross Section
17-Cl-36
-99.08 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
17-Cl-36

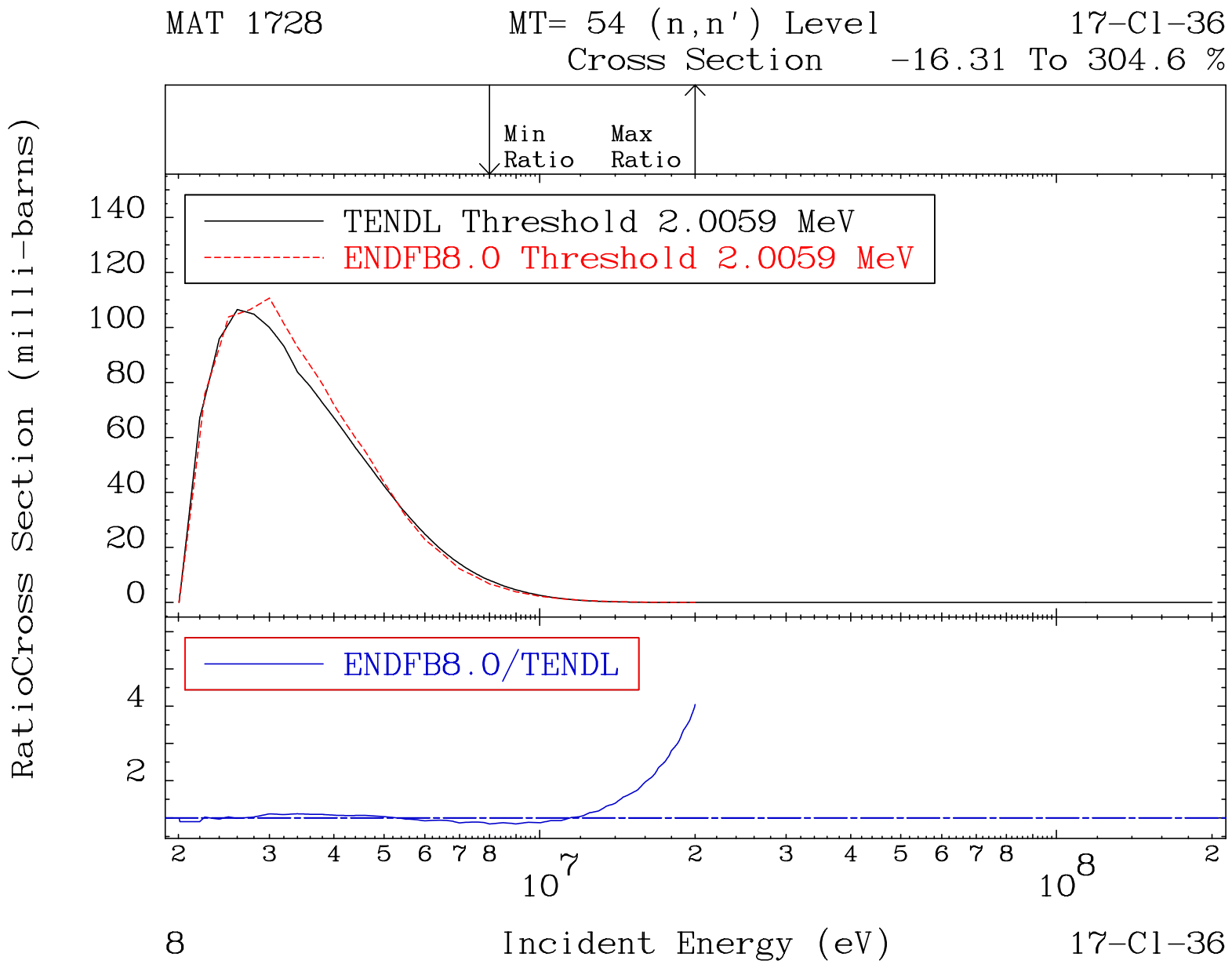

MAT 1728
Inelastic
Cross Section
17-Cl-36
-54.60 To 31.00 %
Max
Ratio
Min
Ratio
TENDL Threshold 810.54 keV
ENDFB8.0 Threshold 810.54 keV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
ENDFB8.0/TENDL
Ratio
1.6
1.2
0.8
0.4
8
2
3
4
5
6
8
10^6
10^7
10^8
Incident Energy (eV)
3
17-Cl-36

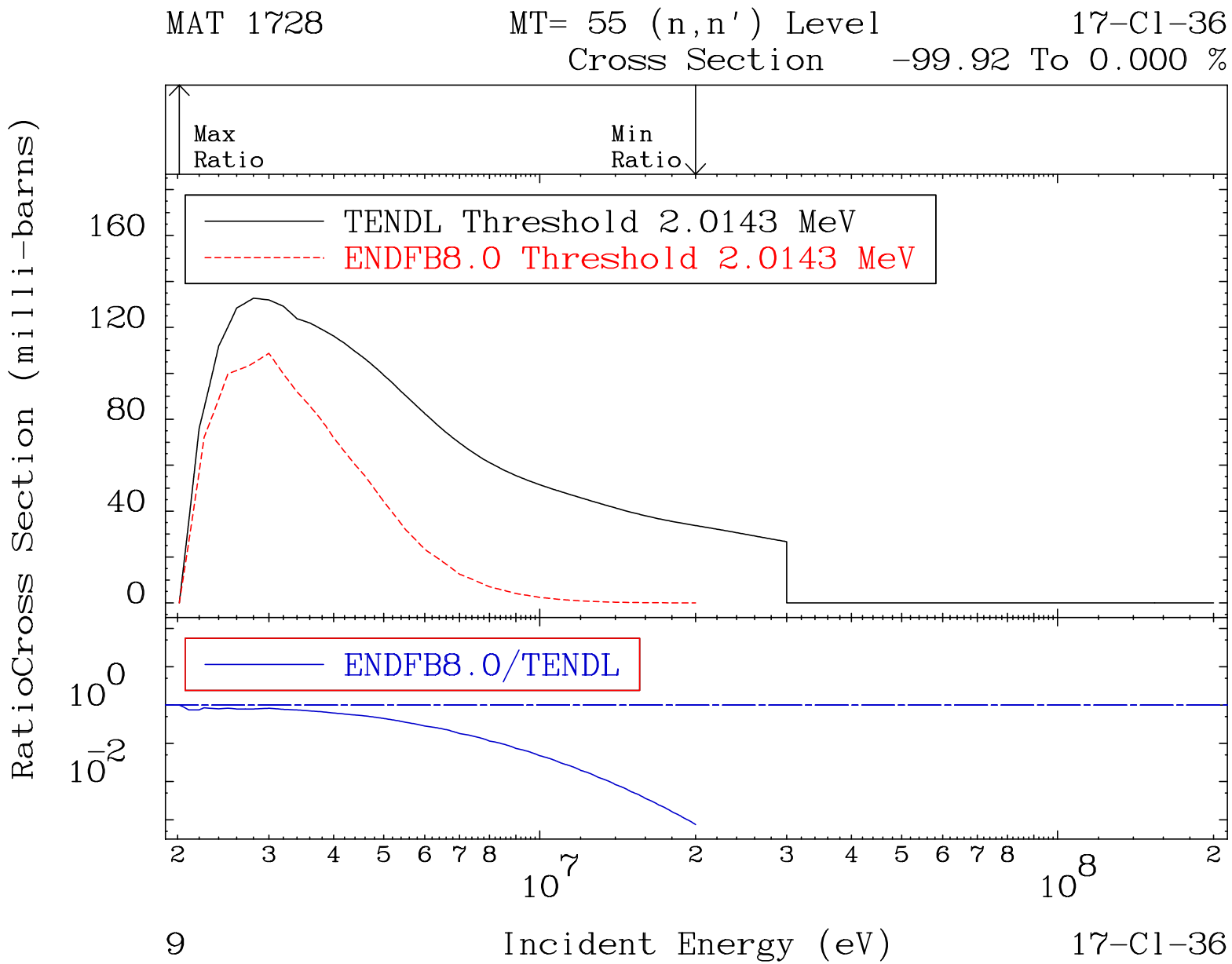

MAT 1728
(n,2n)
17-Cl-36
Cross Section
-15.01 To 10.19 %
Min
Ratio
TENDL Threshold 8.8204 MeV
ENDFB8.0 Threshold 8.8204 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
1.2
1.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
17-Cl-36

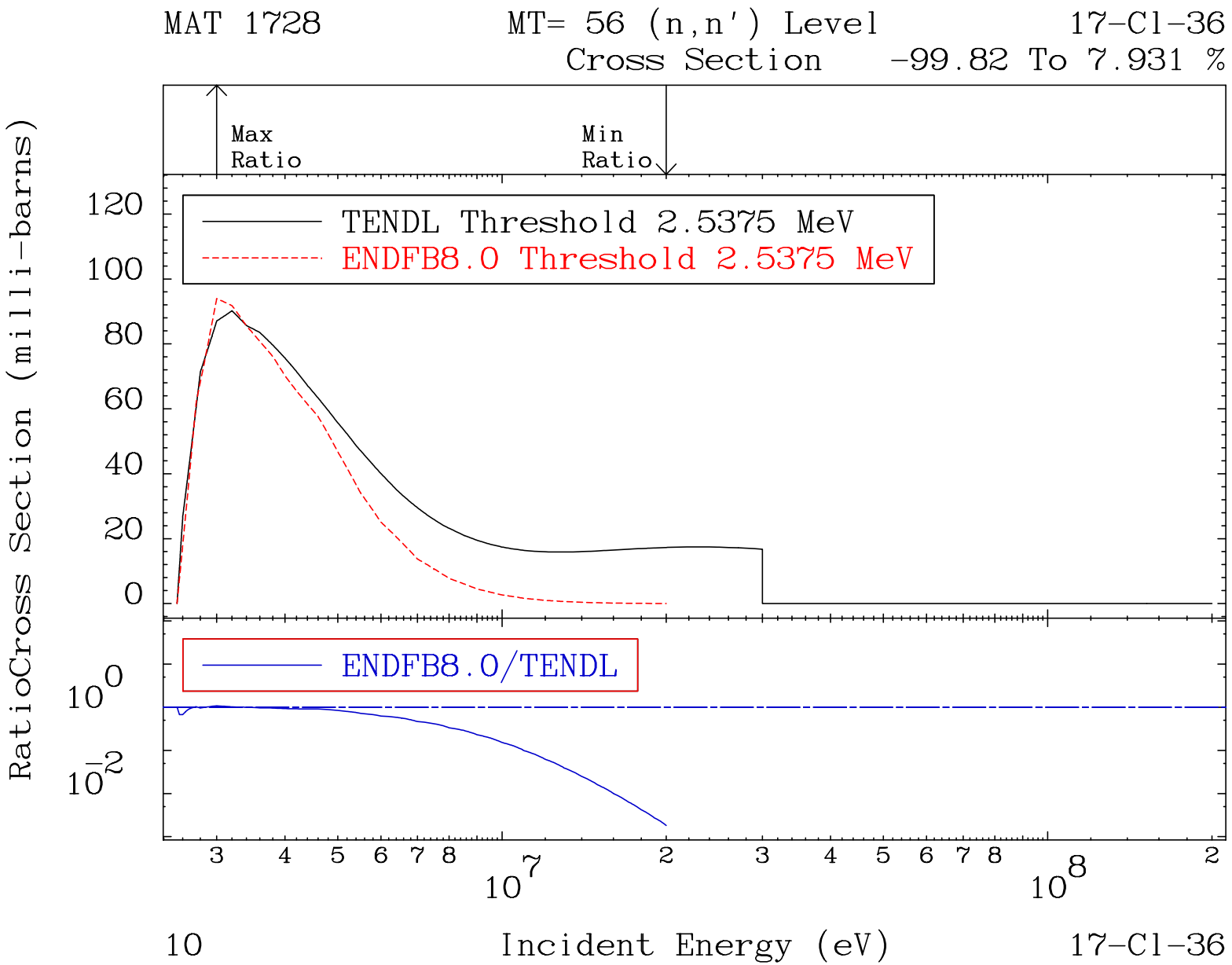

MAT 1728
MT= 51 (n,n') Level
17-Cl-36
Cross Section
-23.29 To 280.5 %
Min Ratio
Max Ratio
TENDL Threshold 810.54 keV
ENDFB8.0 Threshold 810.54 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
17-Cl-36
5

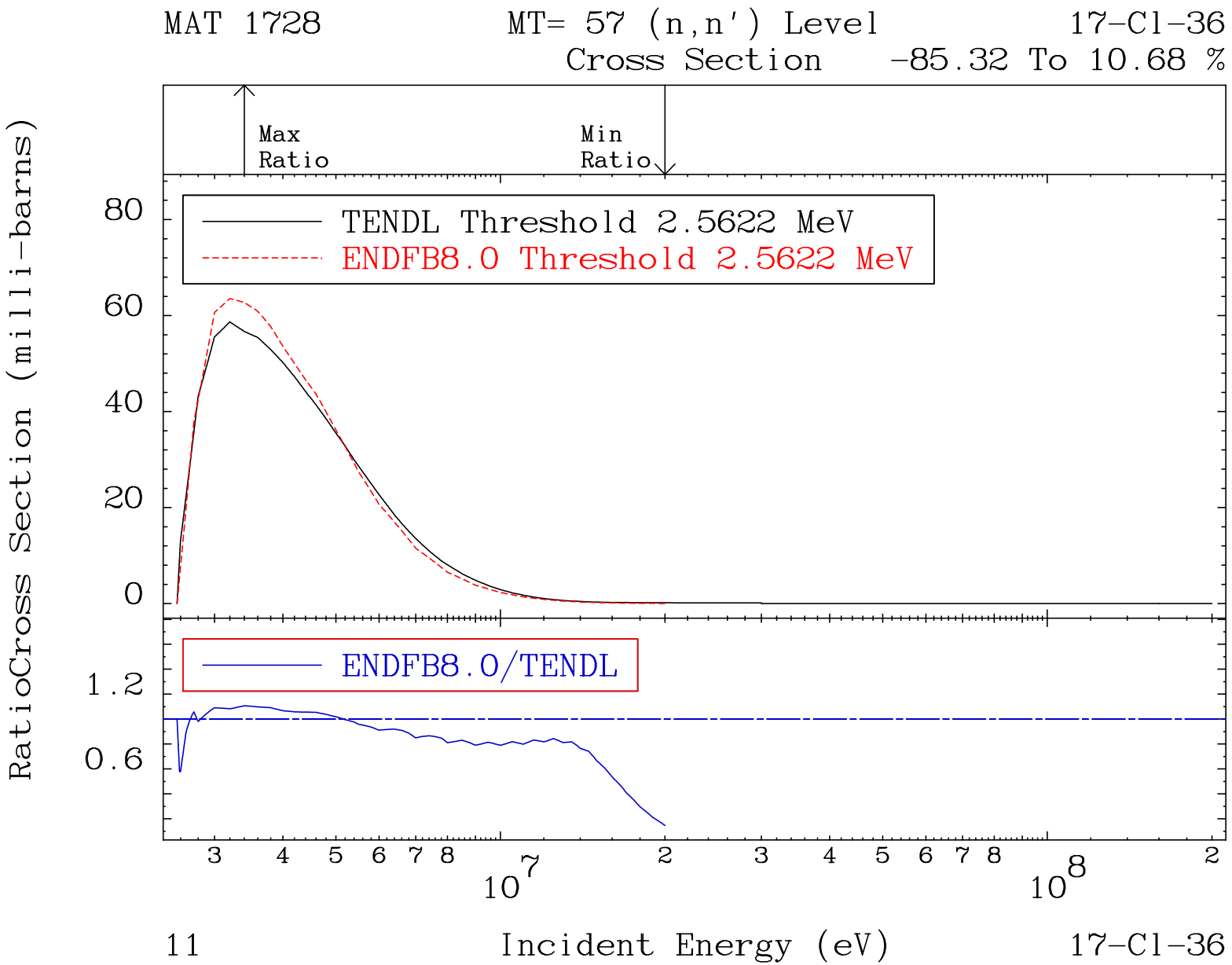

MAT 1728
MT= 52 (n,n') Level
17-Cl-36
Cross Section -82.68 To 314.0 %
Min Ratio
Max Ratio
TENDL Threshold 1.1975 MeV
ENDFB8.0 Threshold 1.1975 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^1
10^0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
6
17-Cl-36

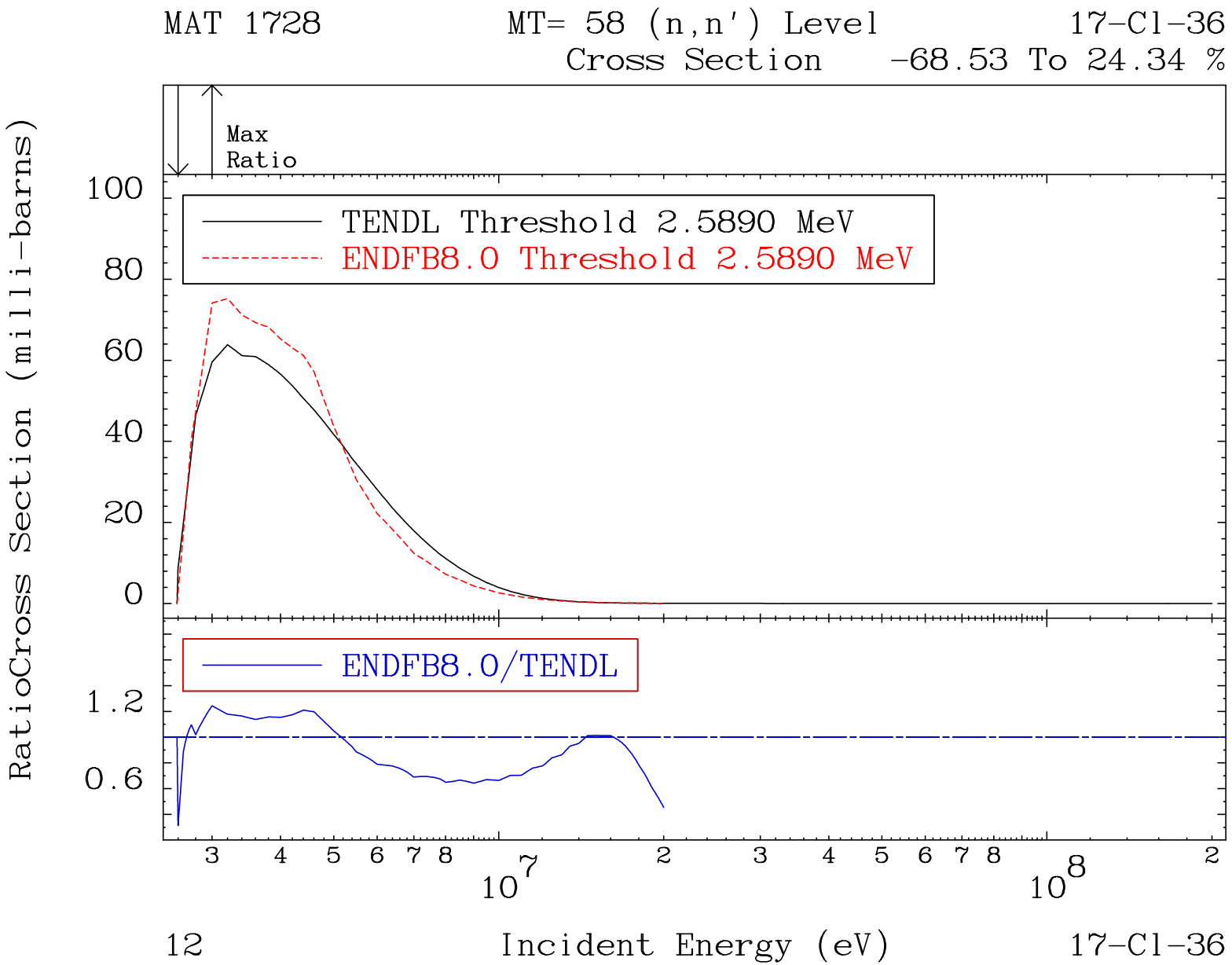

MAT 1728
MT= 53 (n,n') Level
17-Cl-36
Cross Section -13.44 To 315.5 %
Min Ratio
Max Ratio
TENDL Threshold 1.6460 MeV
ENDFB8.0 Threshold 1.6460 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
17-Cl-36

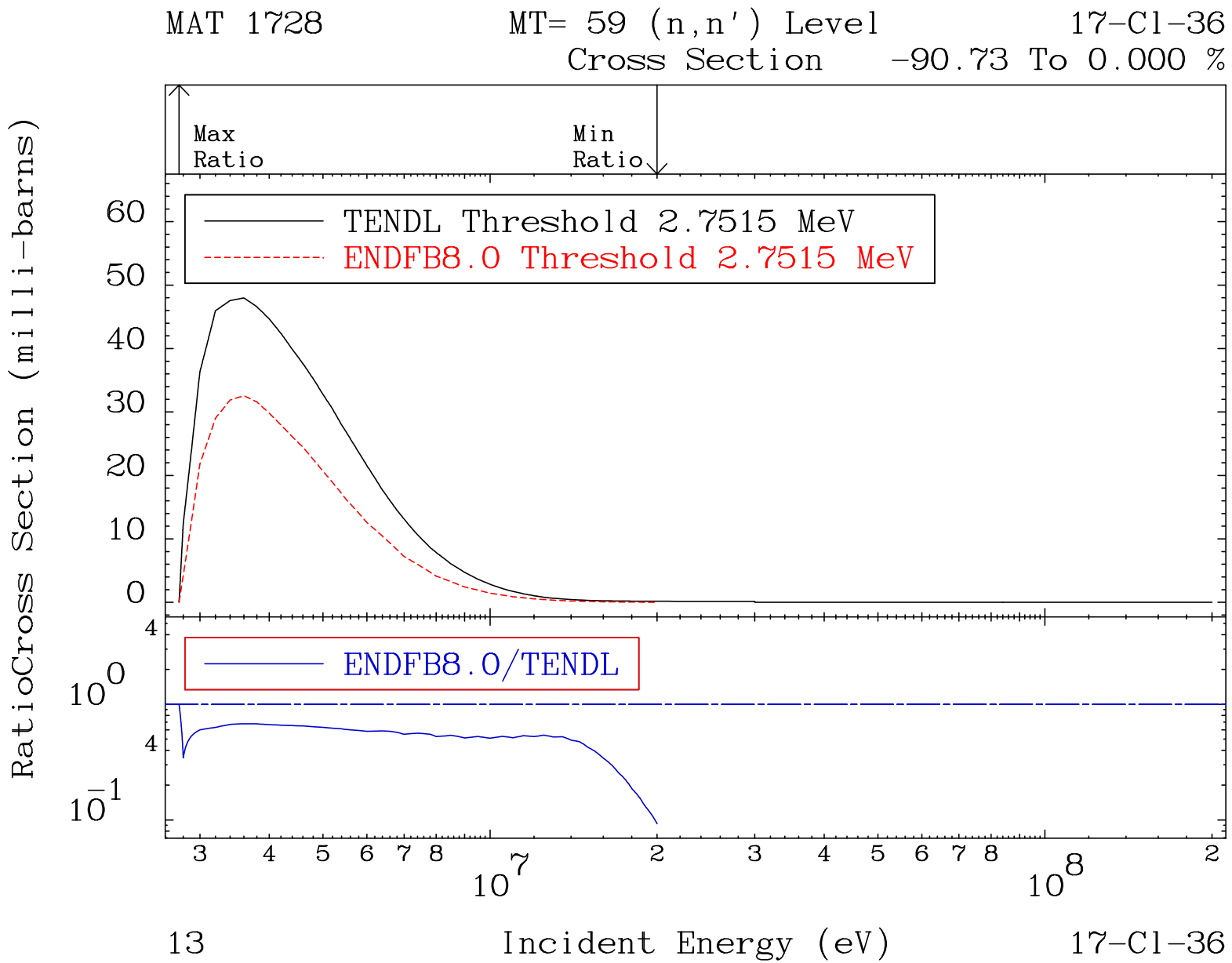

MAT 1728
MT= 54 (n,n') Level
17-Cl-36
Cross Section -16.31 To 304.6 %
Min Ratio
Max Ratio
TENDL Threshold 2.0059 MeV
ENDFB8.0 Threshold 2.0059 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
8
17-Cl-36

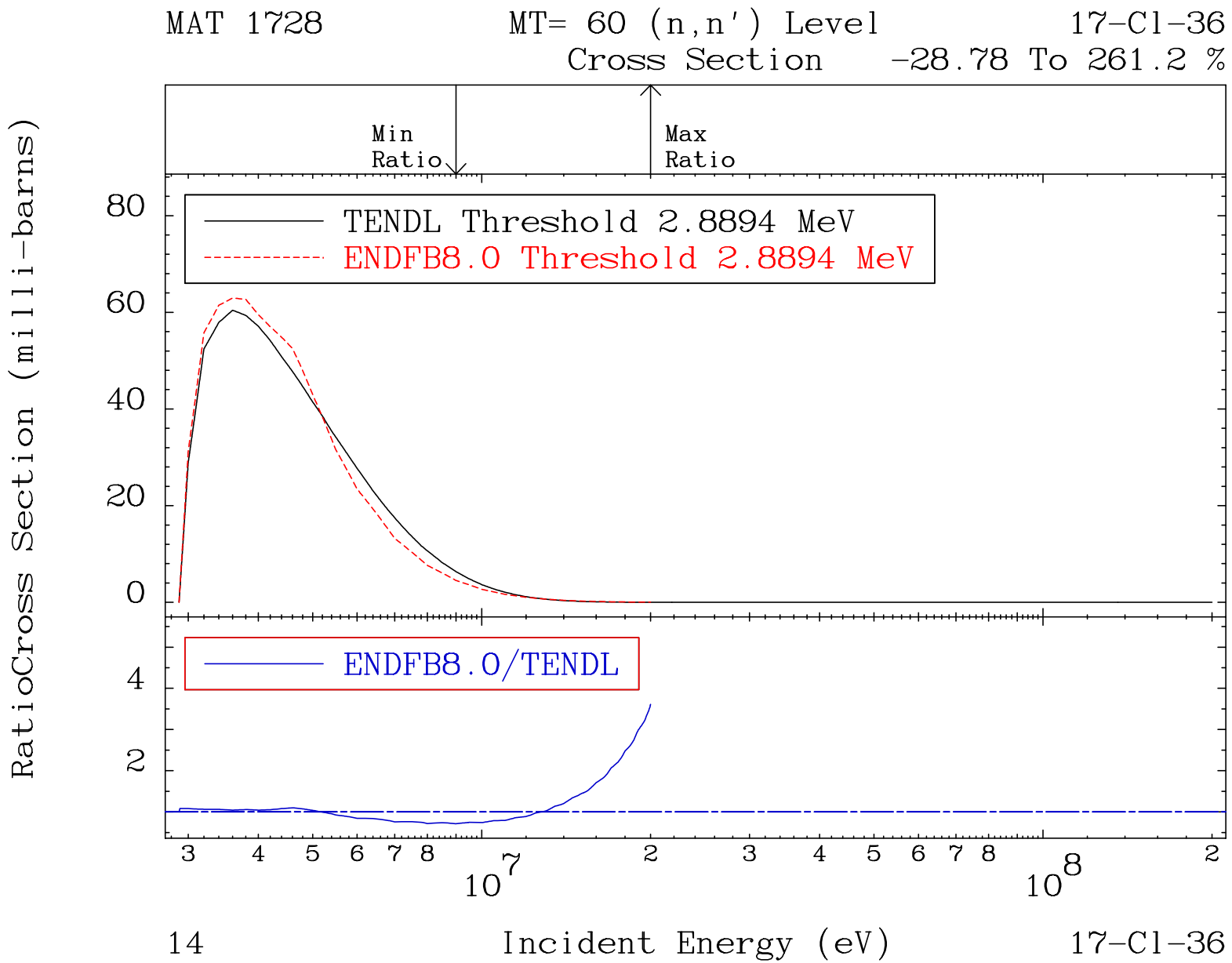

MAT 1728
MT= 55 (n,n') Level
17-Cl-36
Cross Section -99.92 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 2.0143 MeV
ENDFB8.0 Threshold 2.0143 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^0
10^-2
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
9
17-Cl-36

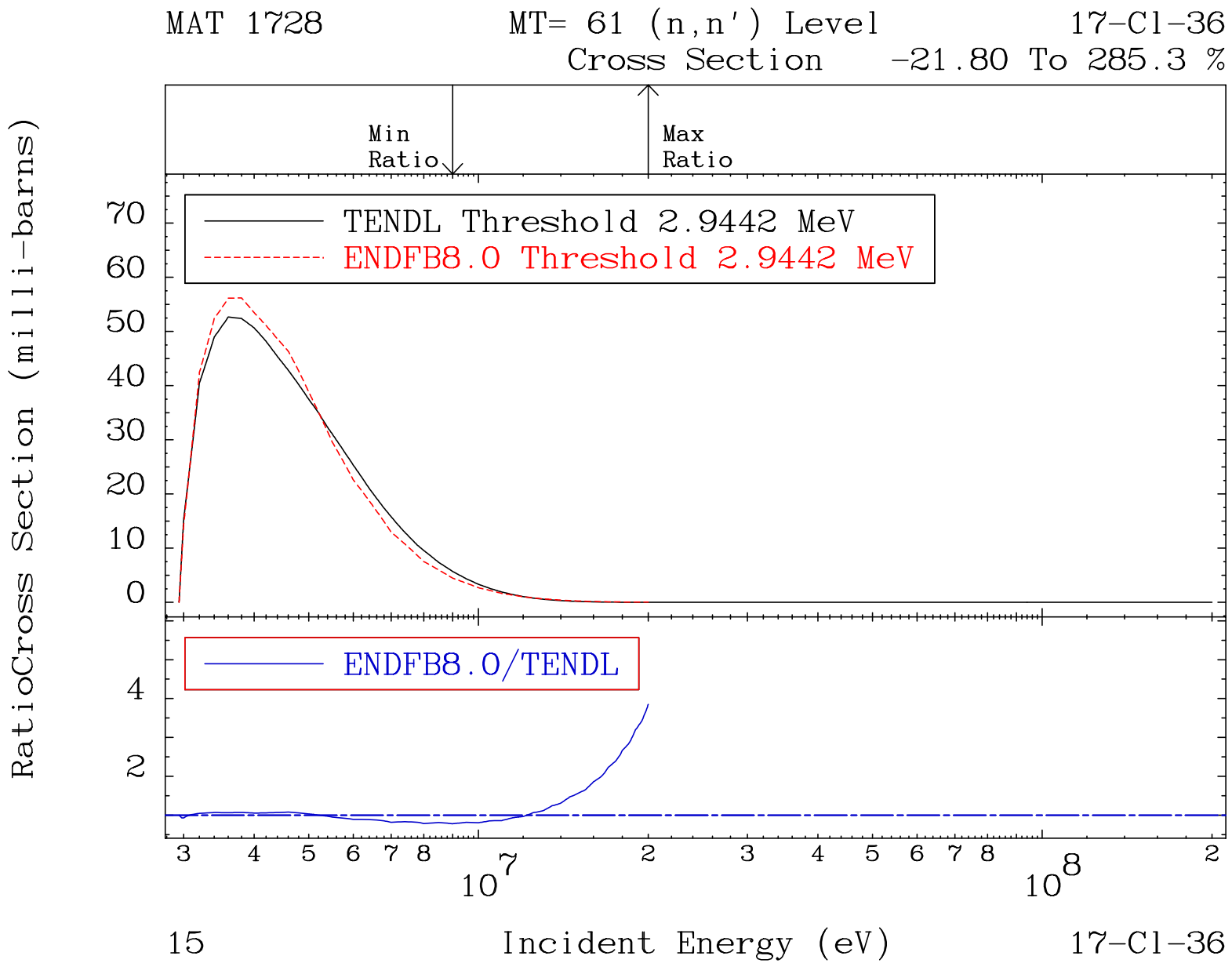

MAT 1728
MT= 56 (n,n') Level
17-Cl-36
Cross Section
-99.82 To 7.931 %
Max Ratio
Min Ratio
TENDL Threshold 2.5375 MeV
ENDFB8.0 Threshold 2.5375 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
10^{0}
10^{-2}
3 4 5 6 7 8
10^{7}
2 3 4 5 6 7 8
10^{8}
2
10
Incident Energy (eV)
17-Cl-36

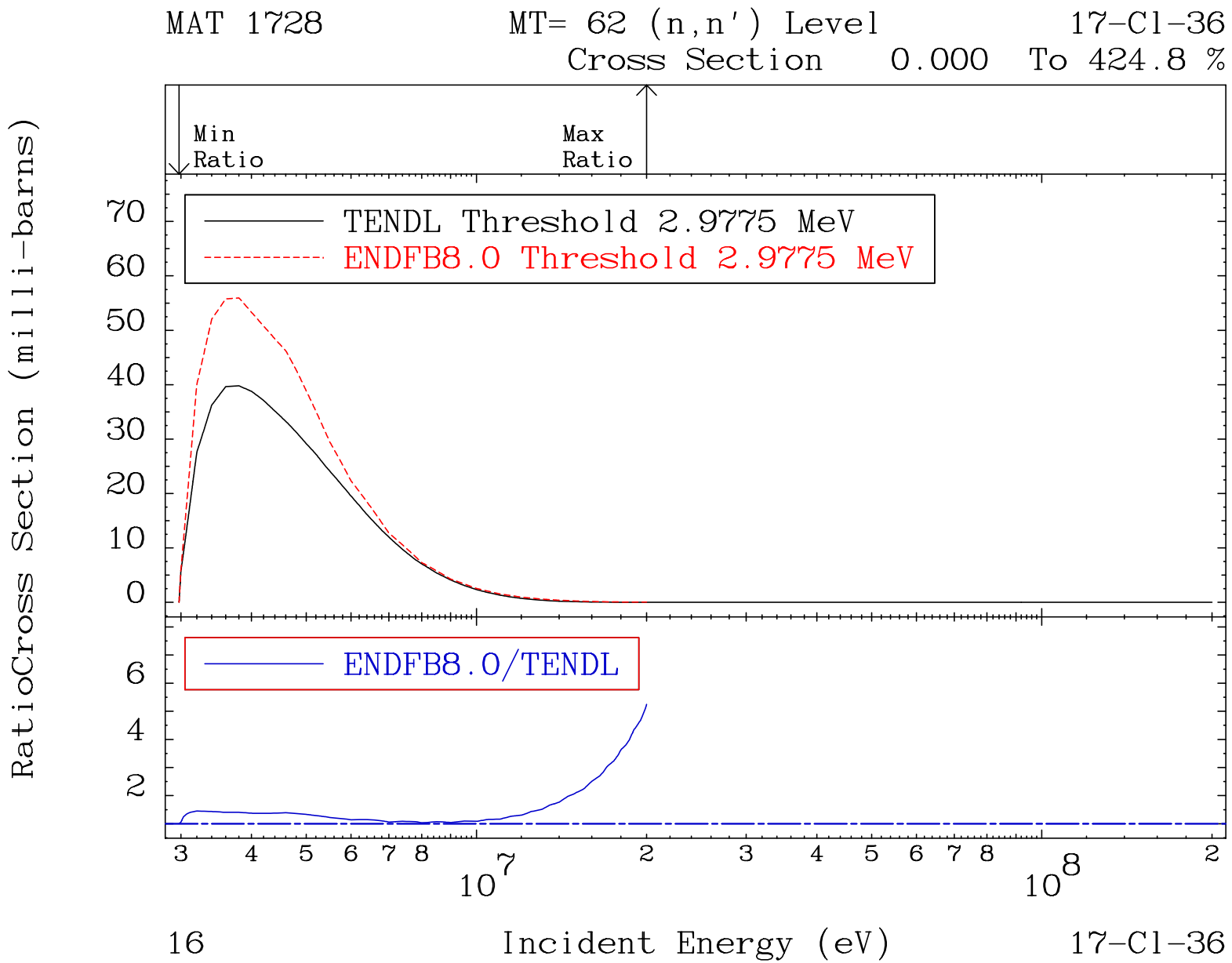

MAT 1728
MT= 57 (n,n') Level
17-Cl-36
Cross Section -85.32 To 10.68 %
Max Ratio
Min Ratio
TENDL Threshold 2.5622 MeV
ENDFB8.0 Threshold 2.5622 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
11
Incident Energy (eV)
17-Cl-36

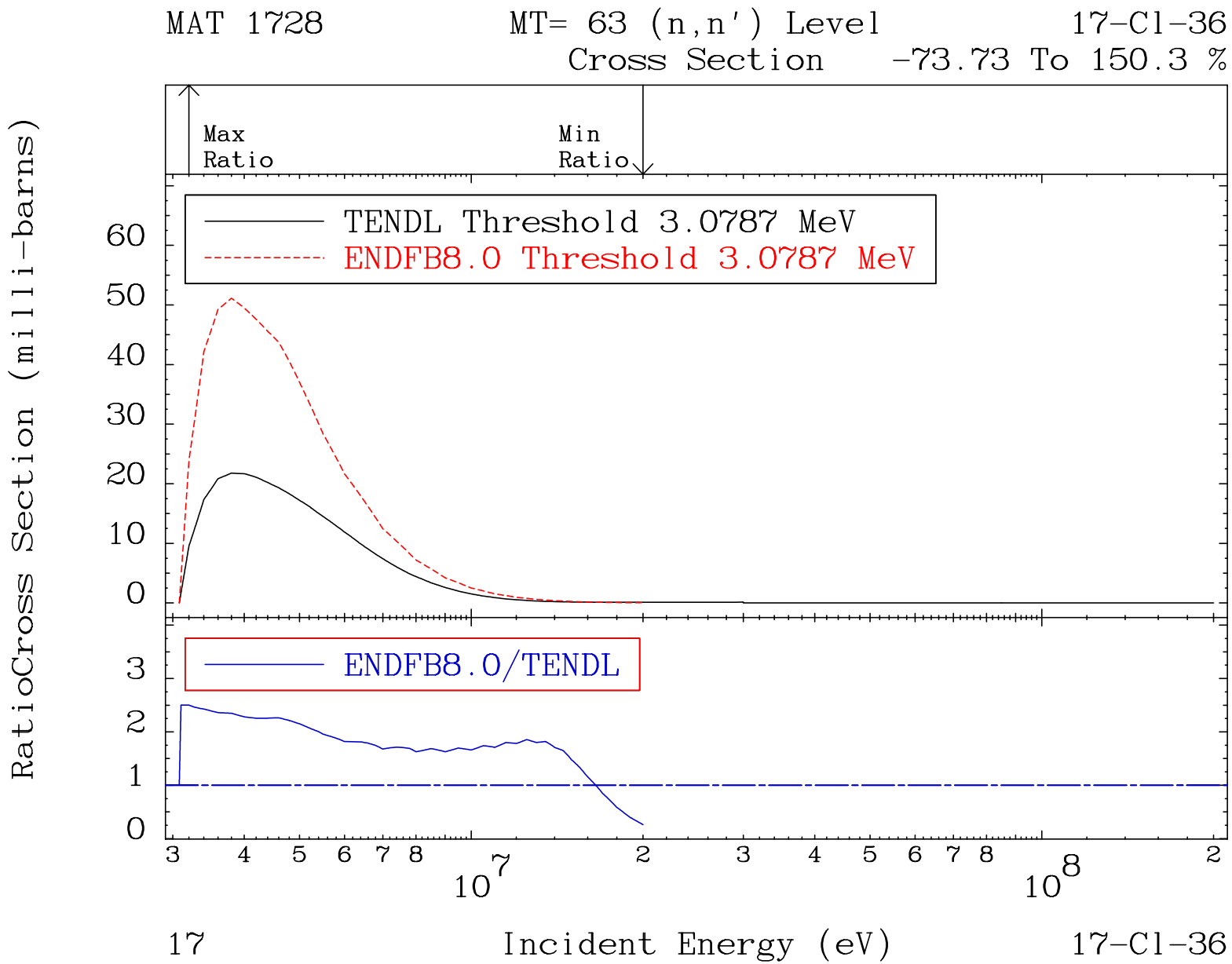

MAT 1728
MT= 58 (n,n') Level
17-Cl-36
Cross Section
-68.53 To 24.34 %
Max
Ratio
TENDL Threshold 2.5890 MeV
ENDFB8.0 Threshold 2.5890 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.6
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
17-Cl-36

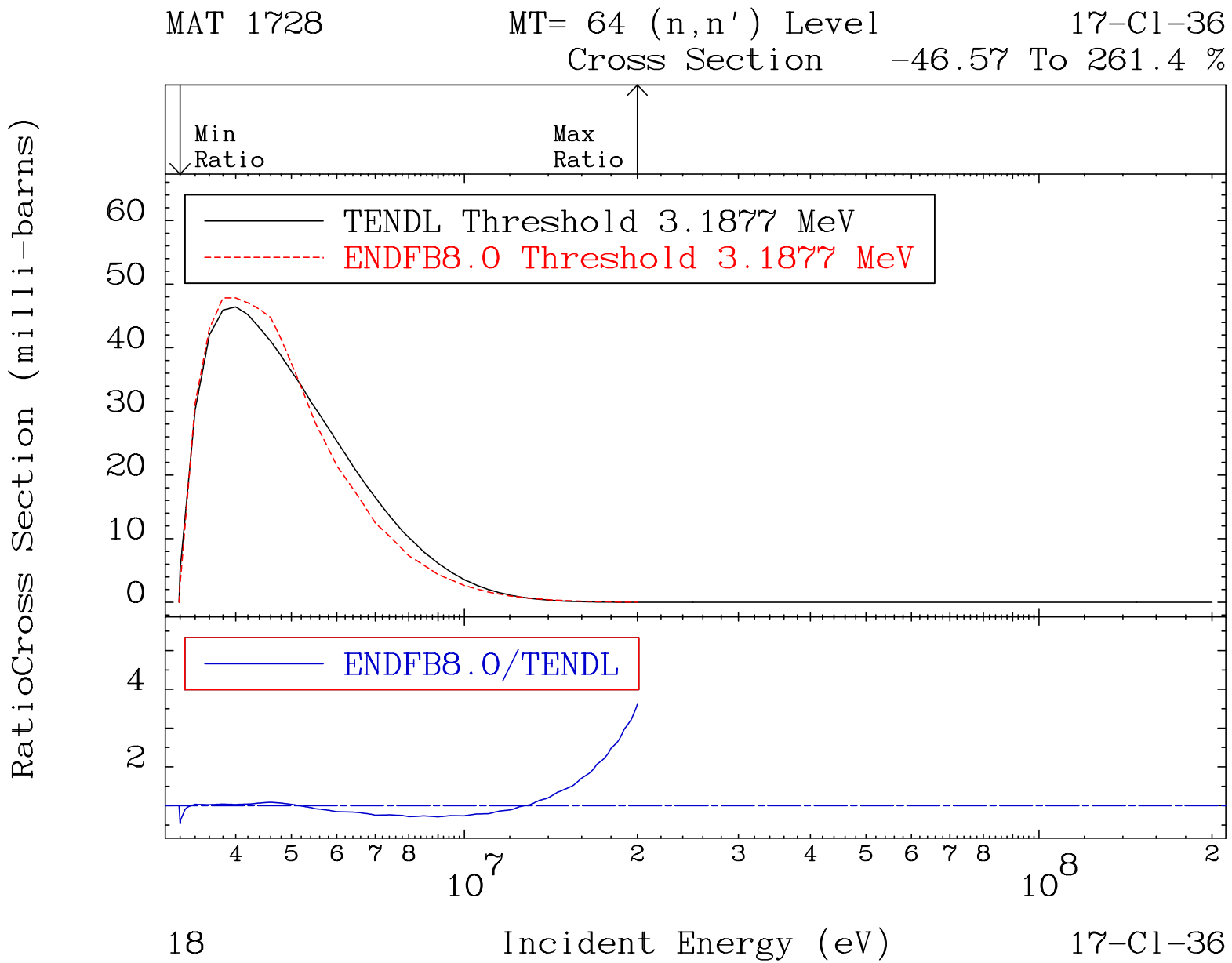

MAT 1728
MT= 59 (n,n') Level
17-Cl-36
Cross Section -90.73 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 2.7515 MeV
ENDFB8.0 Threshold 2.7515 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
13
17-Cl-36

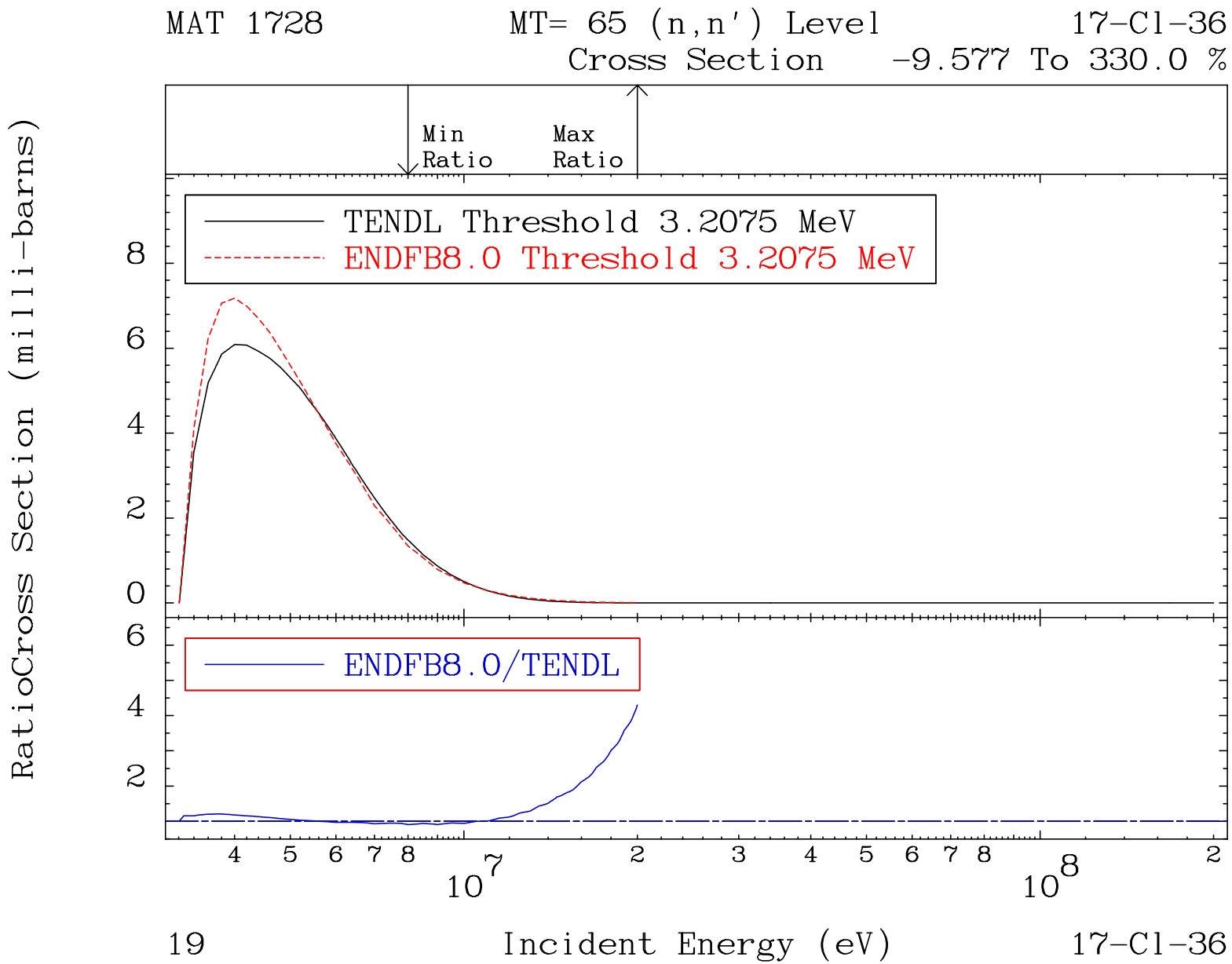

MAT 1728
MT= 60 (n,n') Level
17-Cl-36
Cross Section -28.78 To 261.2 %
Min Ratio
Max Ratio
TENDL Threshold 2.8894 MeV
ENDFB8.0 Threshold 2.8894 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
4
2
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
14
Incident Energy (eV)
17-Cl-36

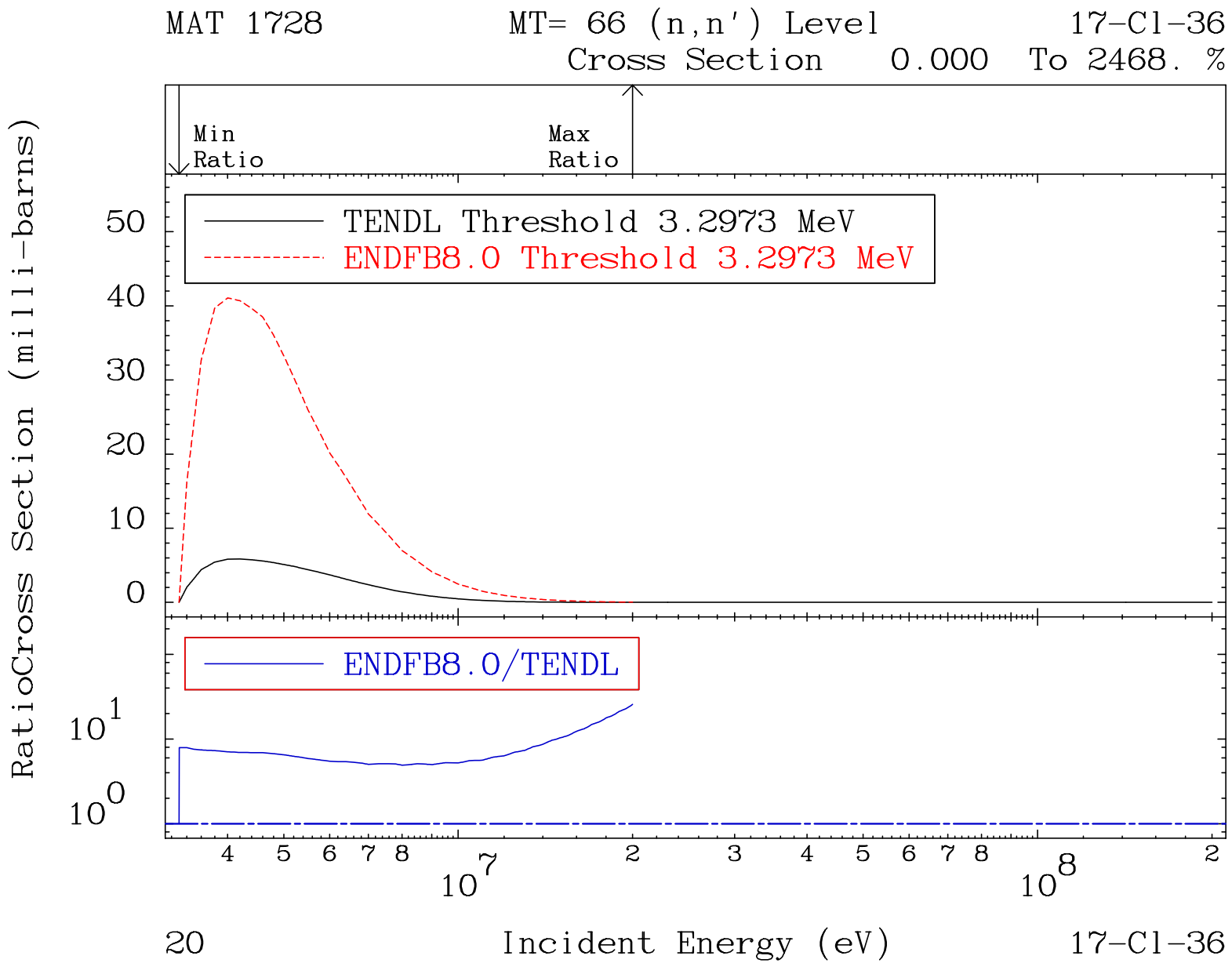

MAT 1728
MT= 61 (n,n') Level
17-Cl-36
Cross Section -21.80 To 285.3 %
Min Ratio
Max Ratio
TENDL Threshold 2.9442 MeV
ENDFB8.0 Threshold 2.9442 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
4
2
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
15
Incident Energy (eV)
17-Cl-36

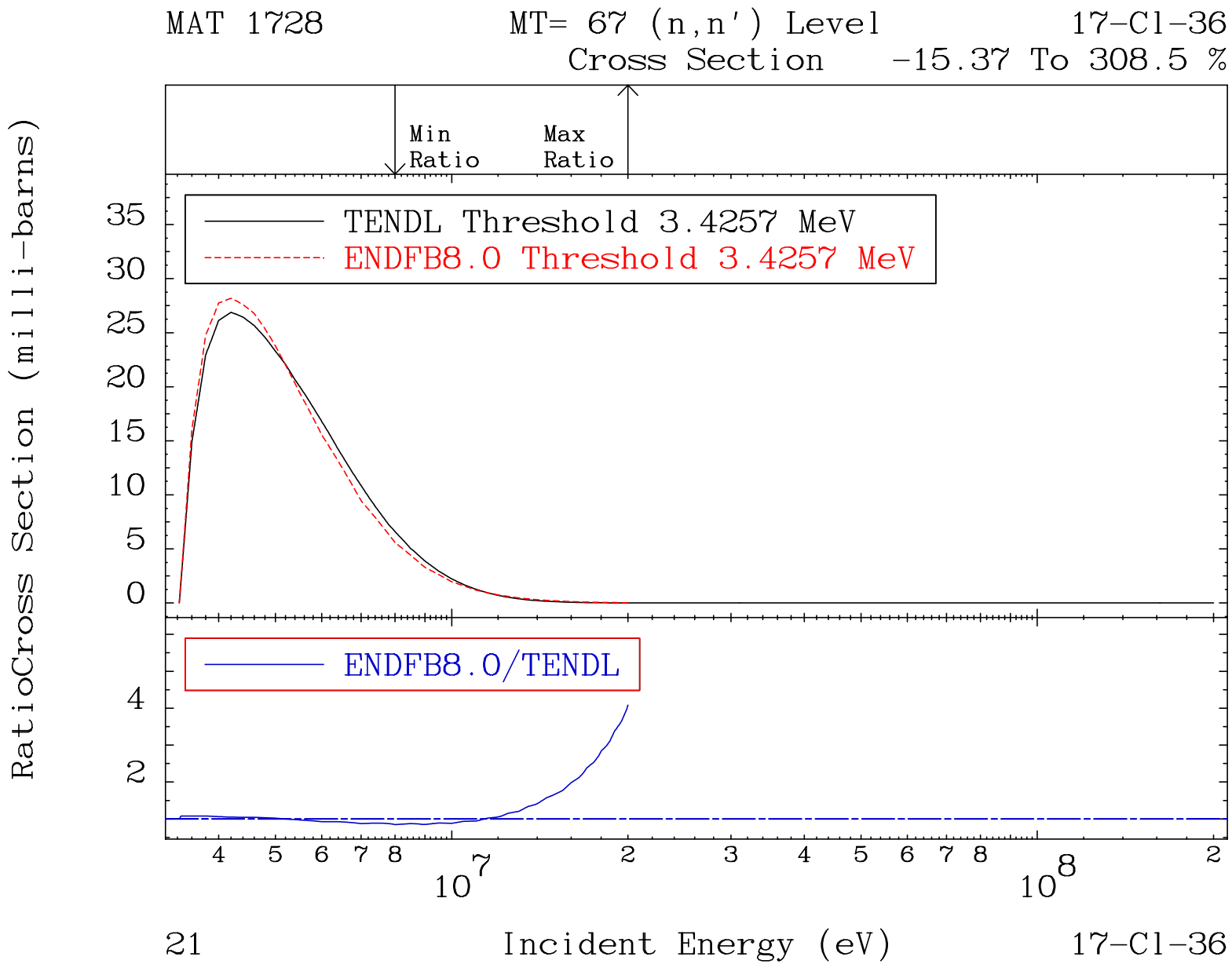

MAT 1728
MT= 62 (n,n') Level
17-Cl-36
Cross Section 0.000 To 424.8 %
Min Ratio
Max Ratio
TENDL Threshold 2.9775 MeV
ENDFB8.0 Threshold 2.9775 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
6
4
2
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
16
Incident Energy (eV)
17-Cl-36

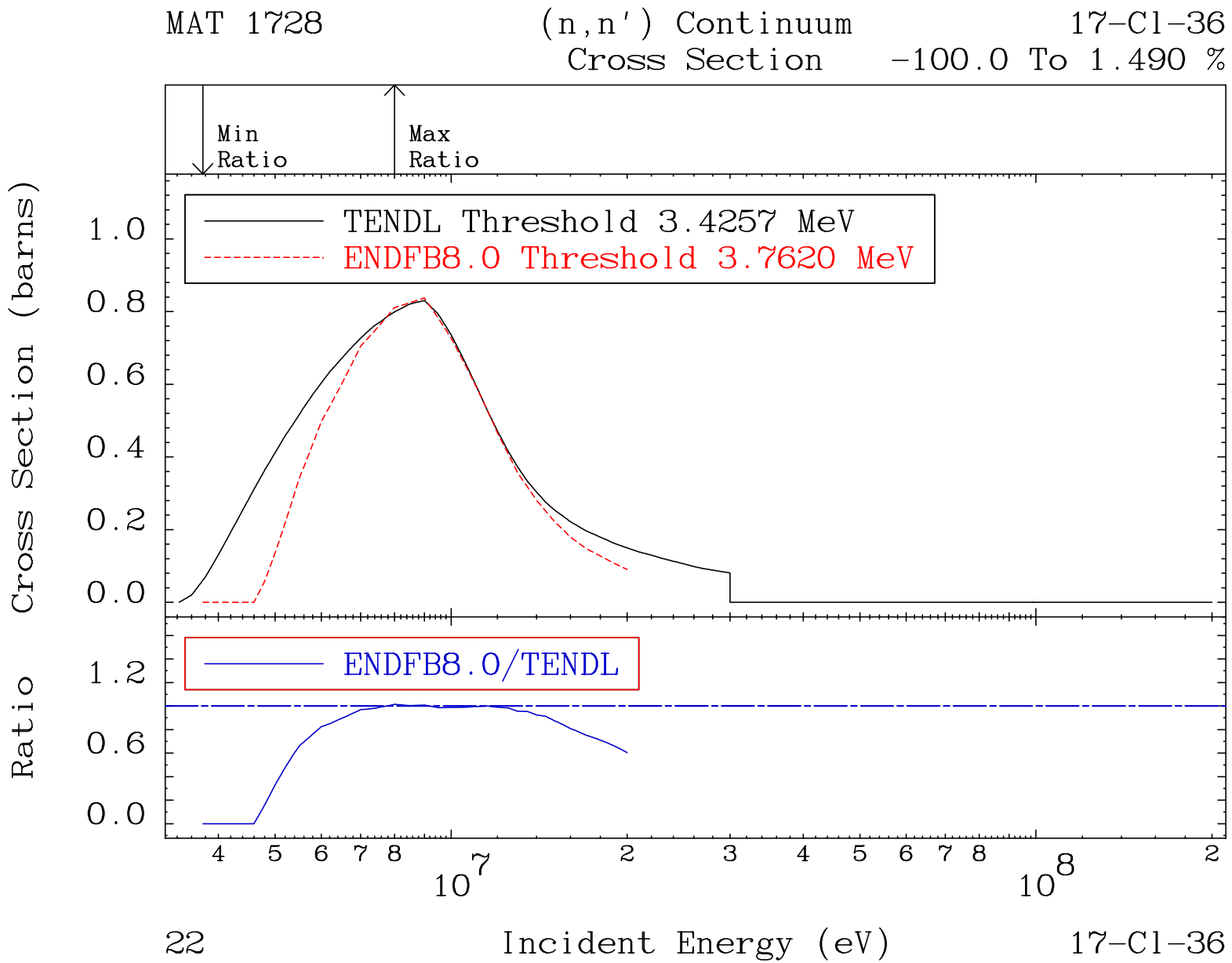

MAT 1728
MT= 63 (n,n') Level
17-Cl-36
Cross Section
-73.73 To 150.3 %
Max Ratio
Min Ratio
TENDL Threshold 3.0787 MeV
ENDFB8.0 Threshold 3.0787 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
17
17-Cl-36

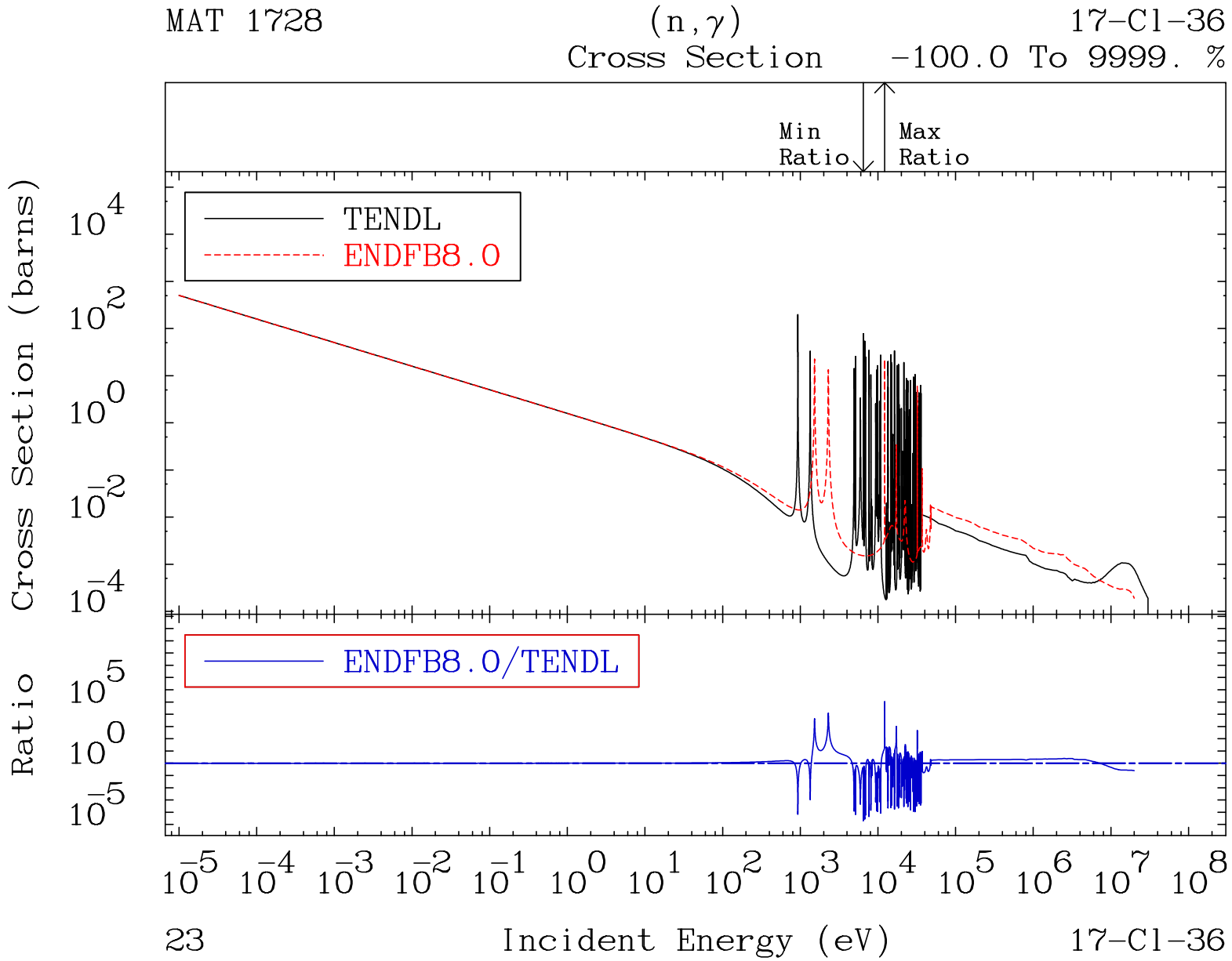

MAT 1728
MT= 64 (n,n') Level
17-Cl-36
Cross Section -46.57 To 261.4 %
Min Ratio
Max Ratio
TENDL Threshold 3.1877 MeV
ENDFB8.0 Threshold 3.1877 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
18
17-Cl-36

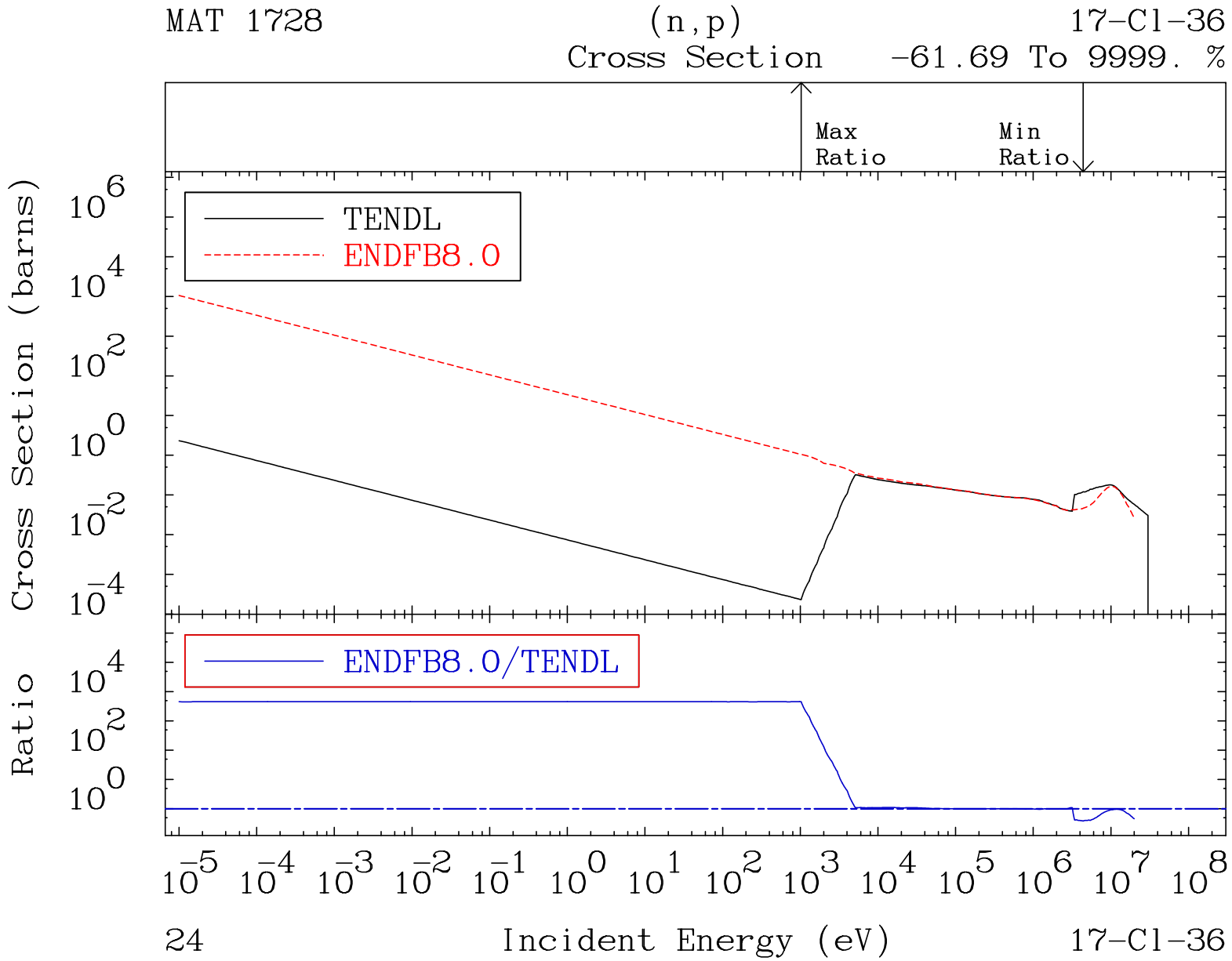

MAT 1728
MT= 65 (n,n') Level
17-Cl-36
Cross Section -9.577 To 330.0 %
Min Ratio
Max Ratio
TENDL Threshold 3.2075 MeV
ENDFB8.0 Threshold 3.2075 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
19
17-Cl-36

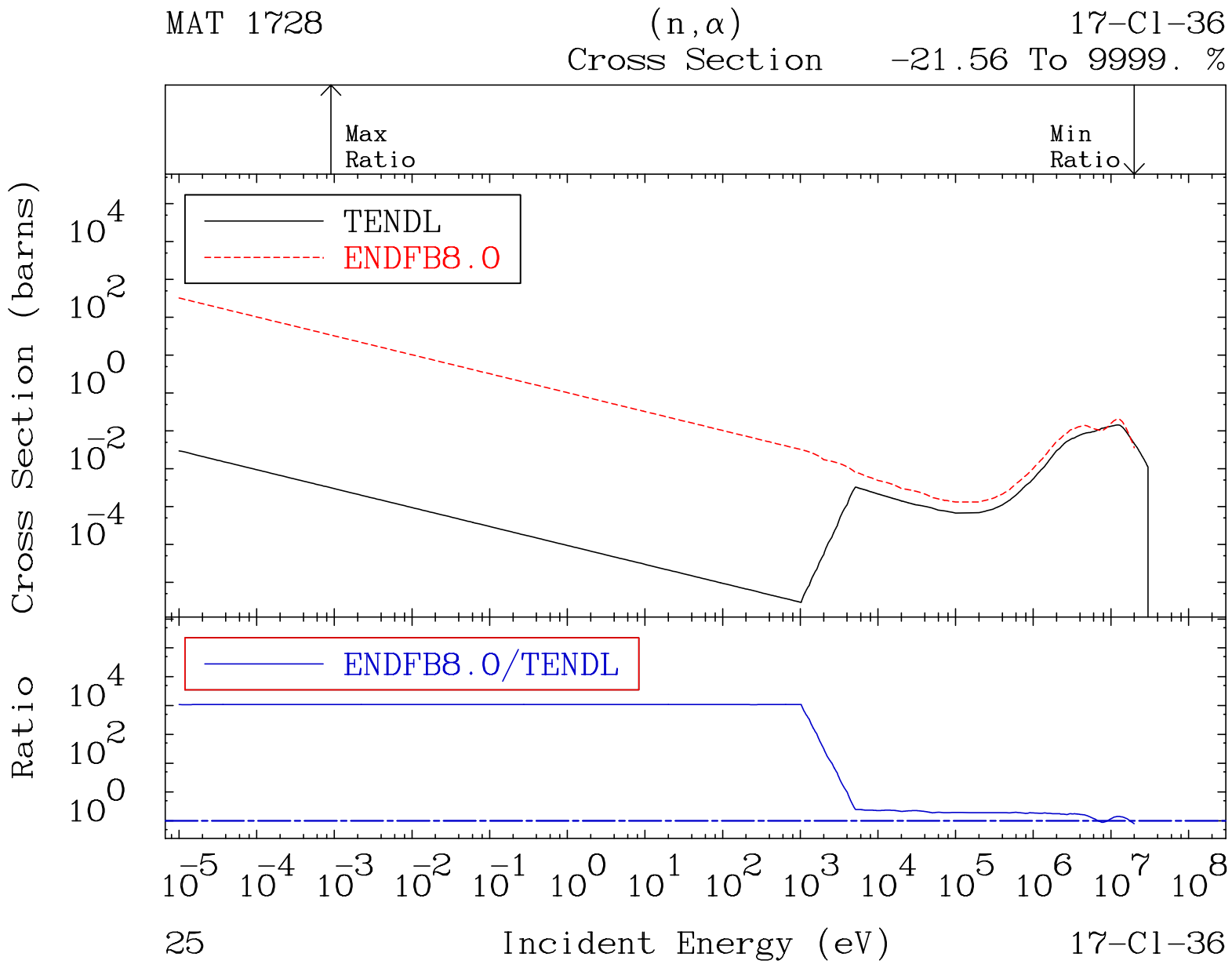

MAT 1728
MT= 66 (n,n') Level
17-Cl-36
Cross Section 0.000 To 2468. %
Min Ratio
Max Ratio
TENDL Threshold 3.2973 MeV
ENDFB8.0 Threshold 3.2973 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
10^1
10^0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
17-Cl-36

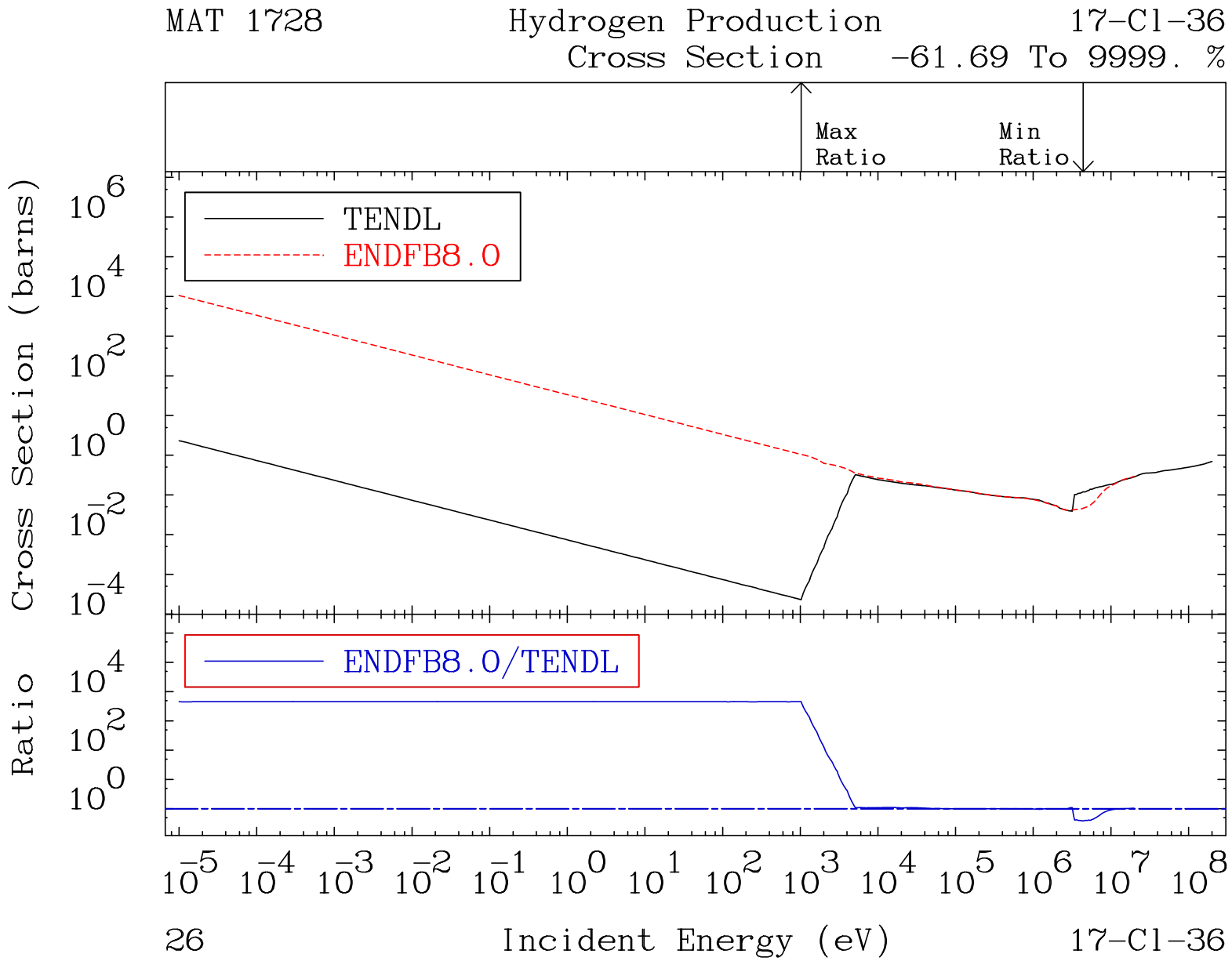

MAT 1728
MT= 67 (n,n') Level
17-Cl-36
Cross Section -15.37 To 308.5 %
Min Ratio
Max Ratio
TENDL Threshold 3.4257 MeV
ENDFB8.0 Threshold 3.4257 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
4
2
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
21
Incident Energy (eV)
17-Cl-36

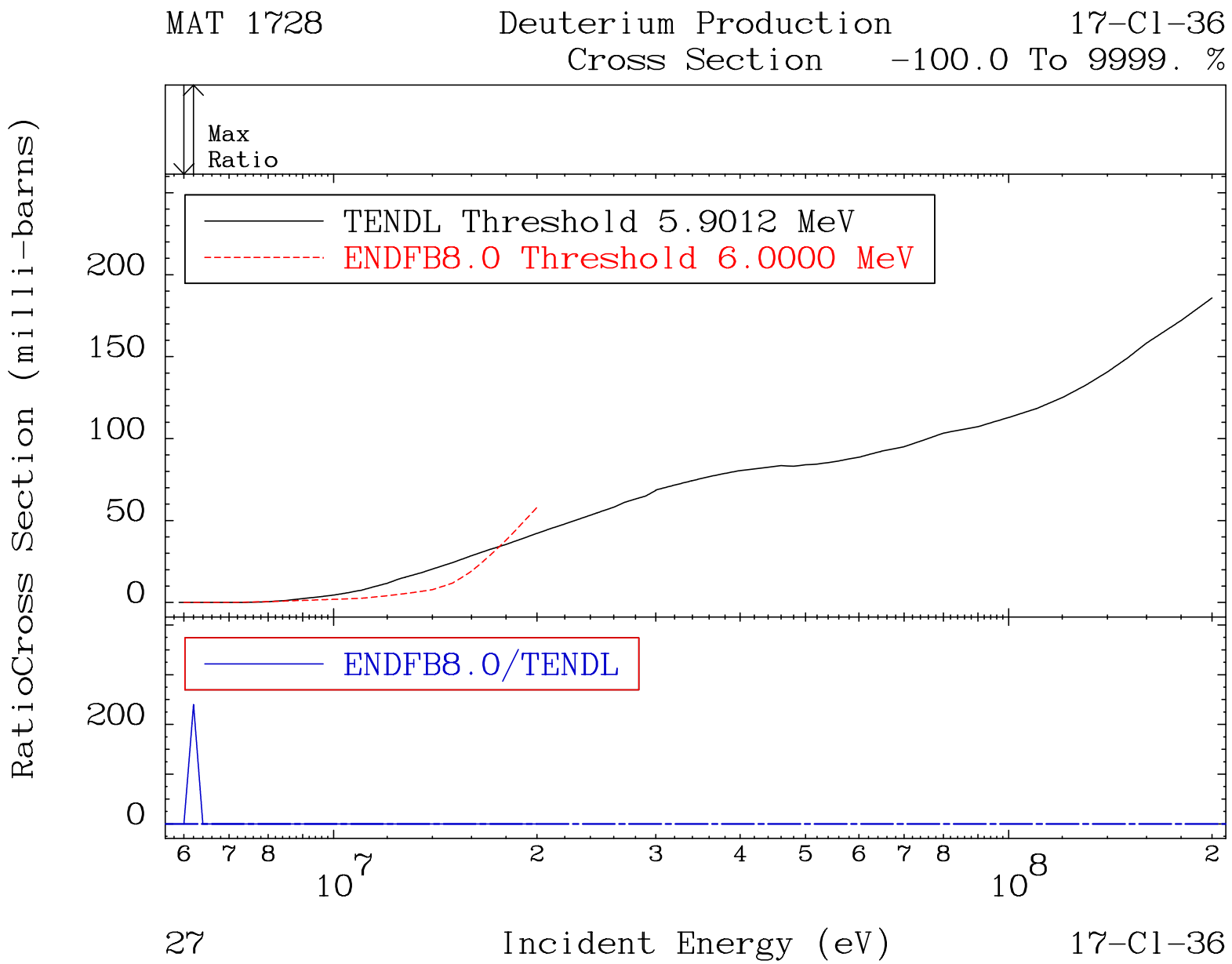

MAT 1728
(n,n') Continuum
Cross Section
17-Cl-36
-100.0 To 1.490 %
Min Ratio
Max Ratio
TENDL Threshold 3.4257 MeV
ENDFB8.0 Threshold 3.7620 MeV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
1.2
0.6
0.0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
17-Cl-36

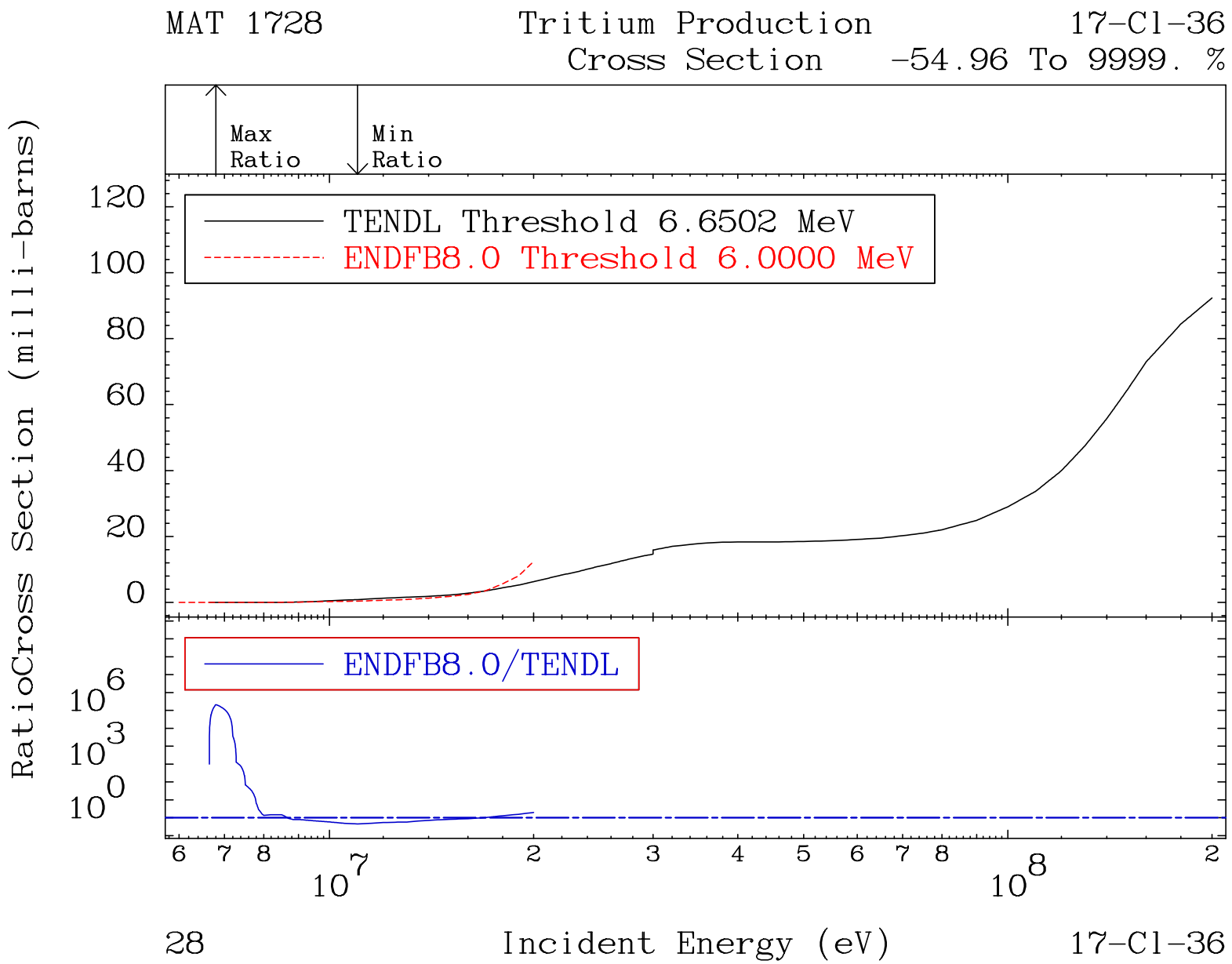

MAT 1728
(n,γ)
17-Cl-36
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
23
17-Cl-36

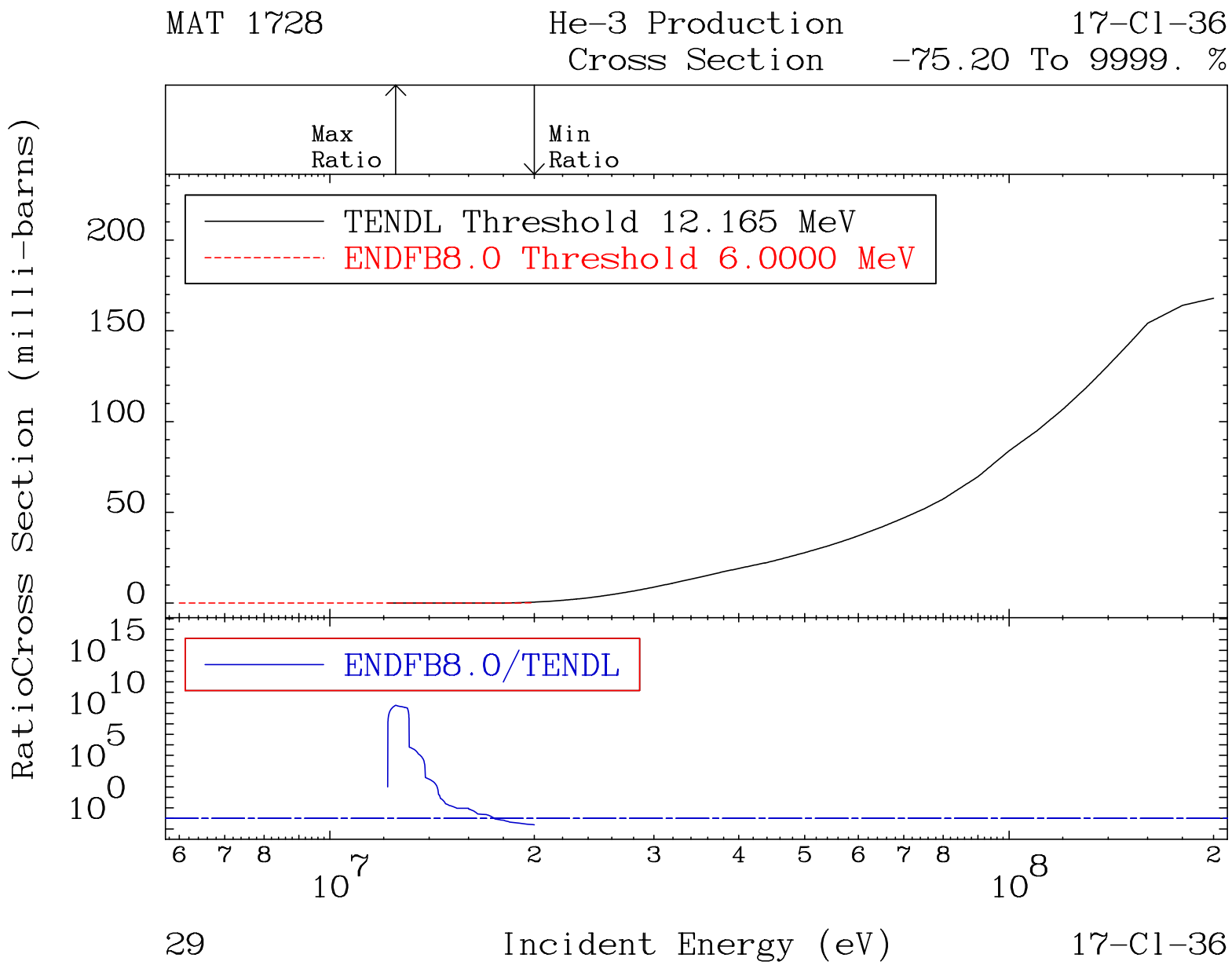

MAT 1728
(n,p)
17-Cl-36
Cross Section
-61.69 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
24
17-Cl-36

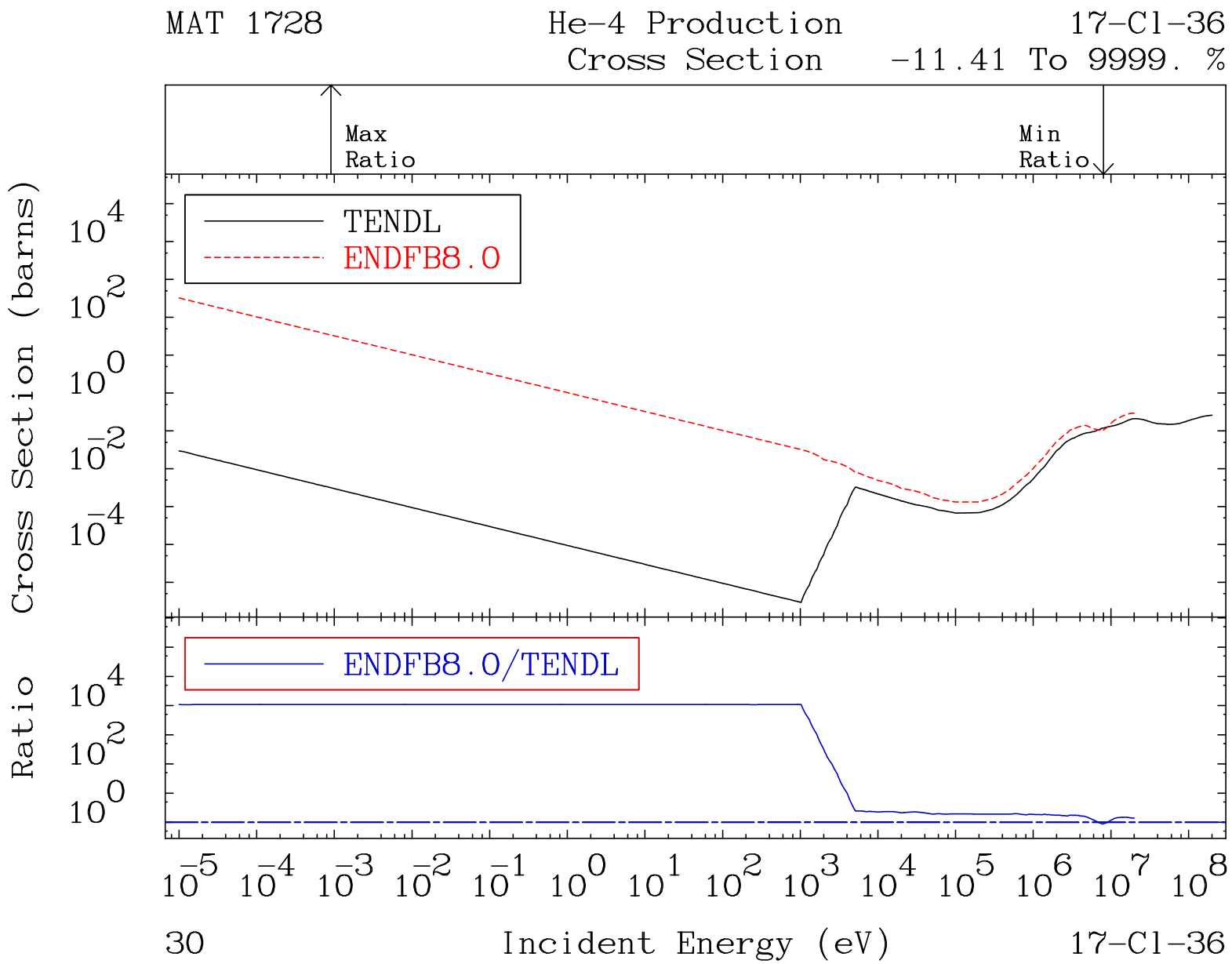

MAT 1728
(n,α)
17-Cl-36
Cross Section
-21.56 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
25
17-Cl-36

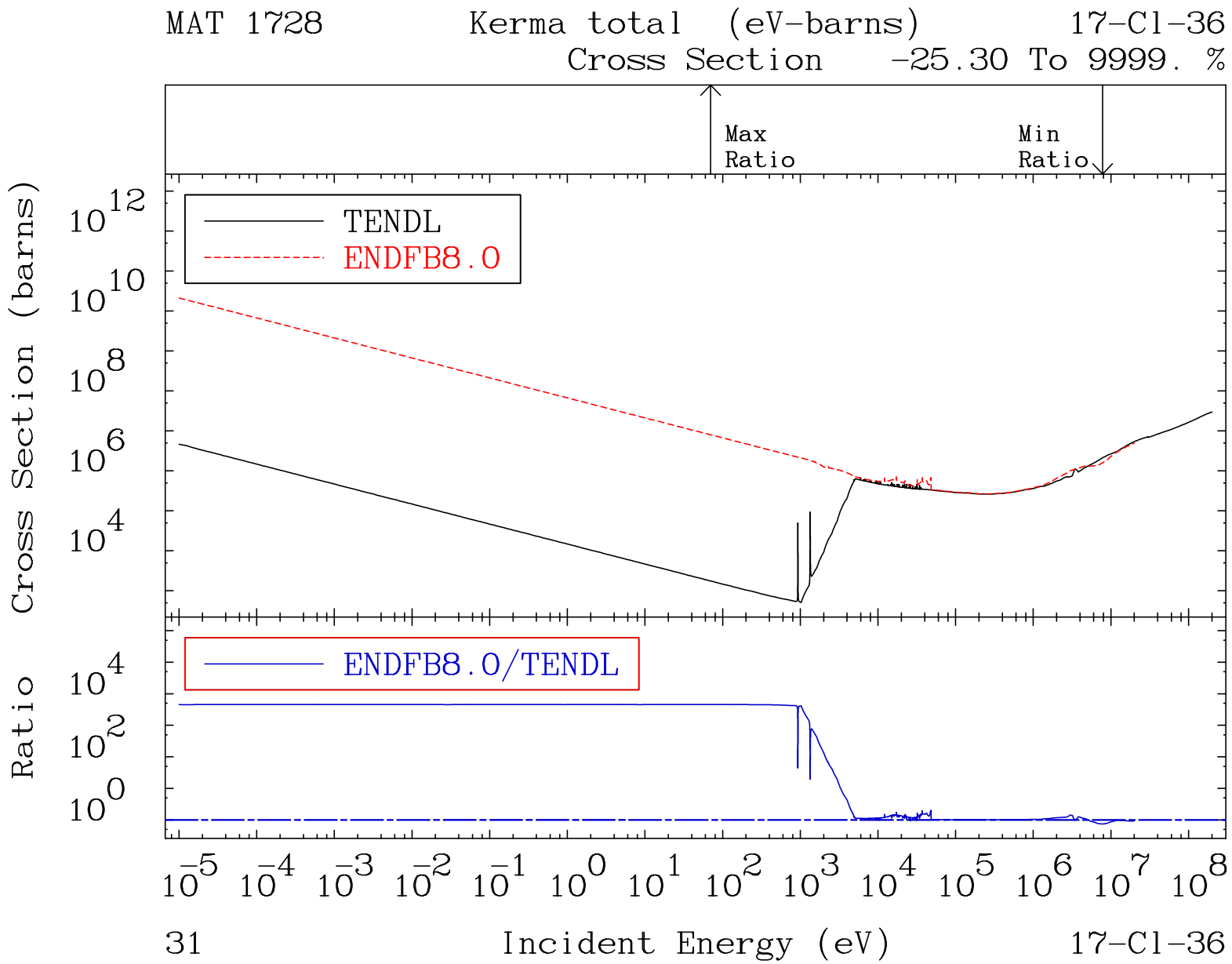

MAT 1728
Hydrogen Production
17-Cl-36
Cross Section -61.69 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
26
17-Cl-36

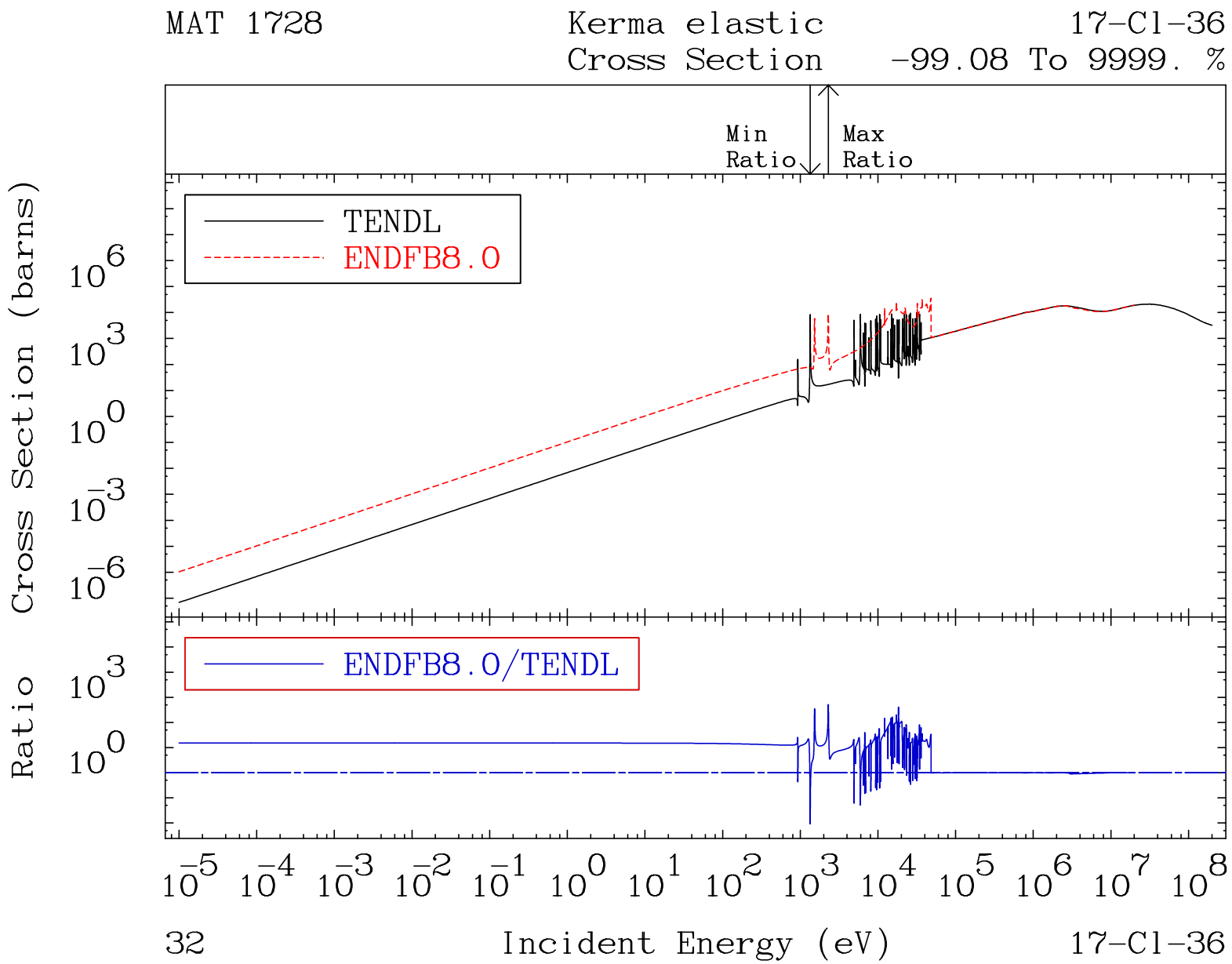

MAT 1728
Deuterium Production
17-Cl-36
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 5.9012 MeV
ENDFB8.0 Threshold 6.0000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
200
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
27
Incident Energy (eV)
17-Cl-36

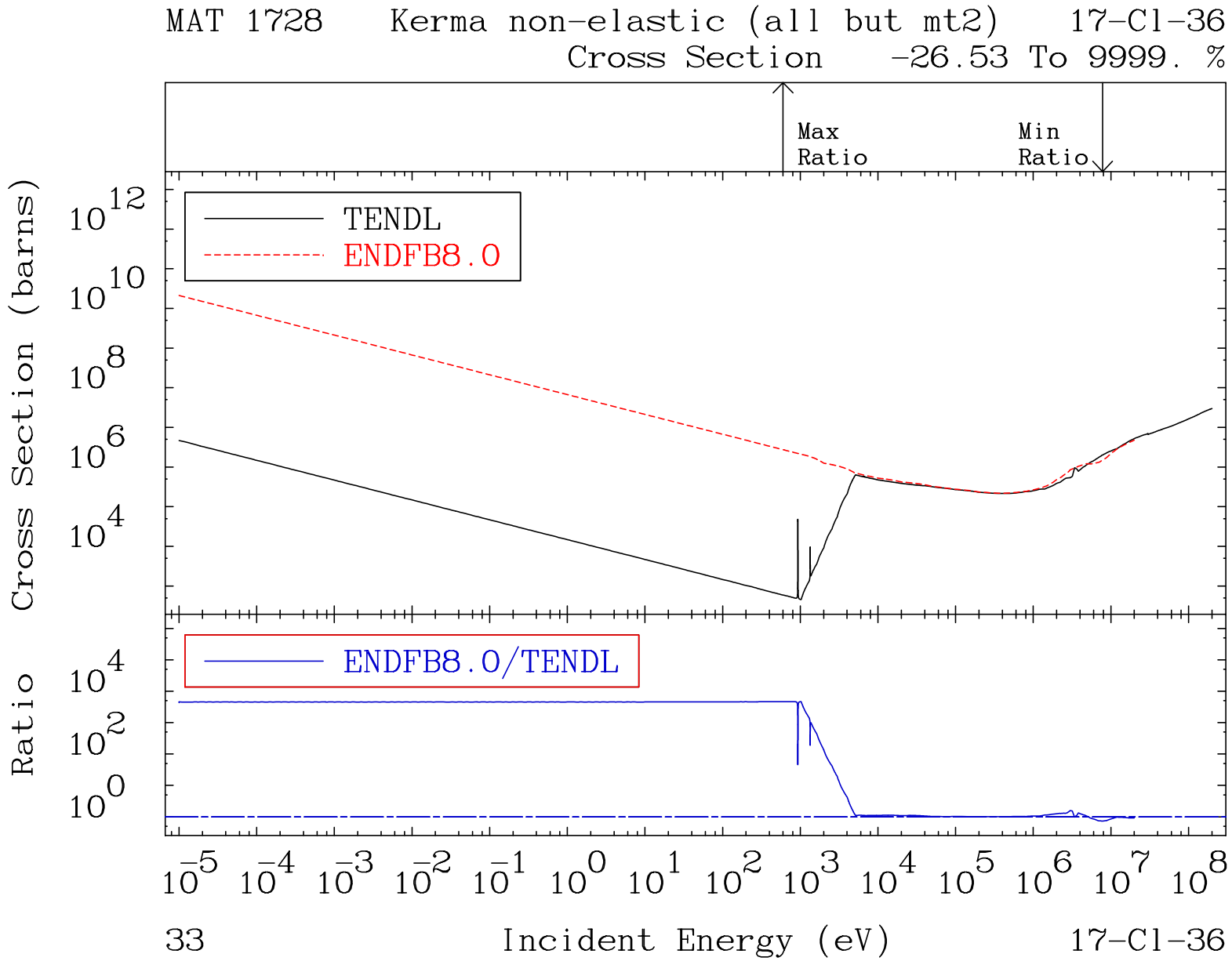

MAT 1728
Tritium Production
17-Cl-36
Cross Section
-54.96 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.6502 MeV
ENDFB8.0 Threshold 6.0000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
10^6
10^3
10^0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
17-Cl-36

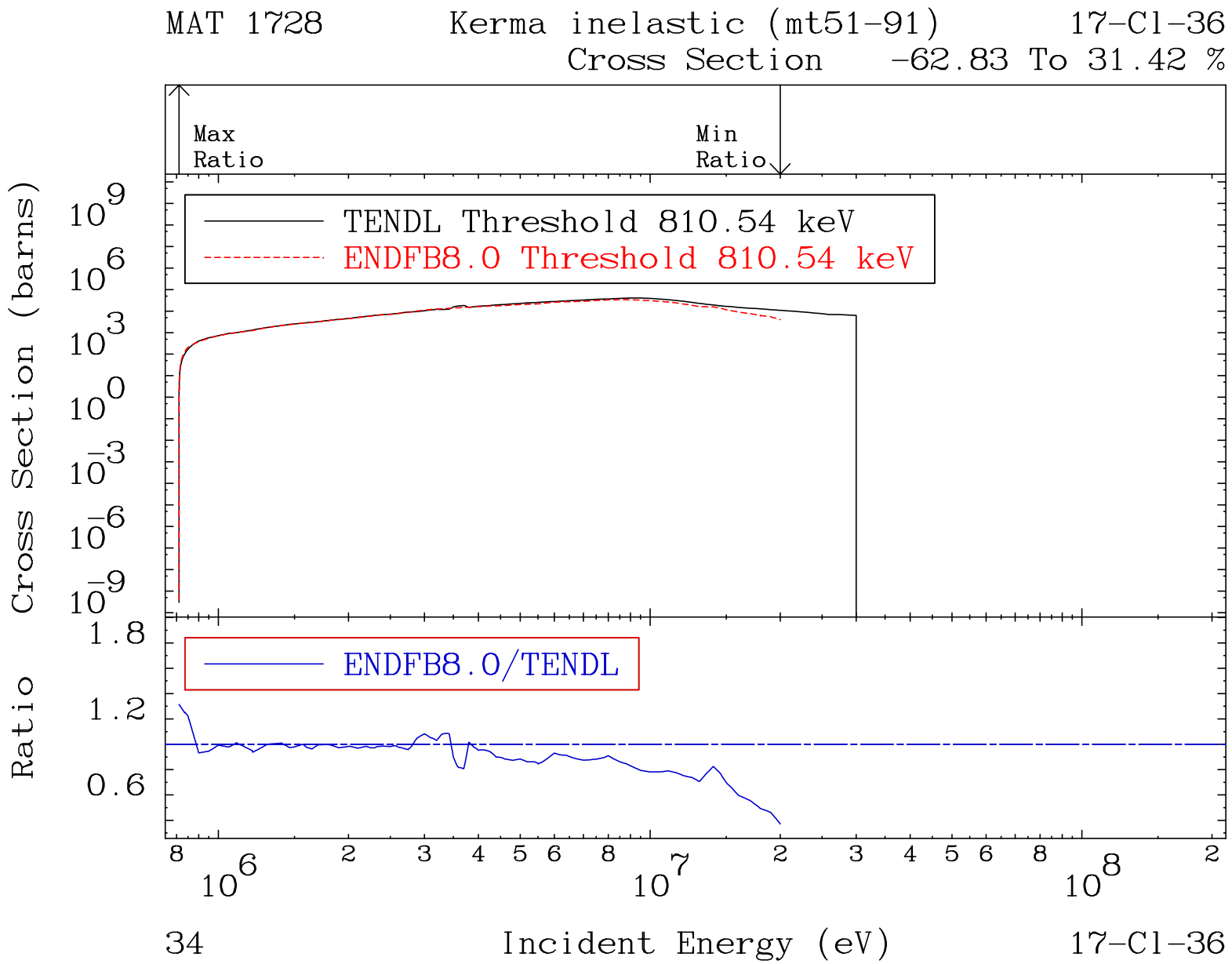

MAT 1728
He-3 Production
Cross Section
17-Cl-36
-75.20 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 12.165 MeV
ENDFB8.0 Threshold 6.0000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
10^15
10^10
10^5
10^0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
29
Incident Energy (eV)
17-Cl-36

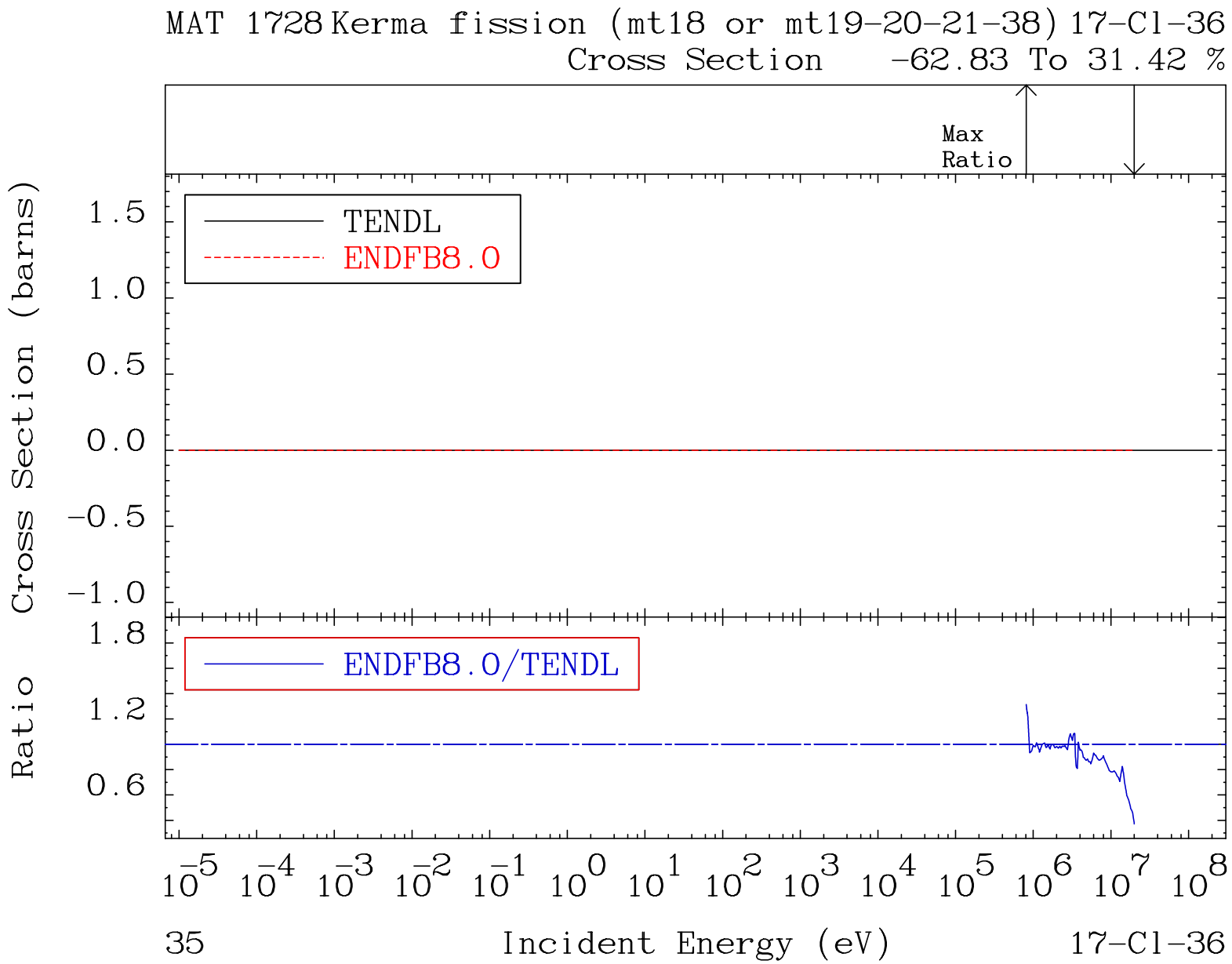

MAT 1728
He-4 Production
Cross Section
17-Cl-36
-11.41 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
30
17-Cl-36

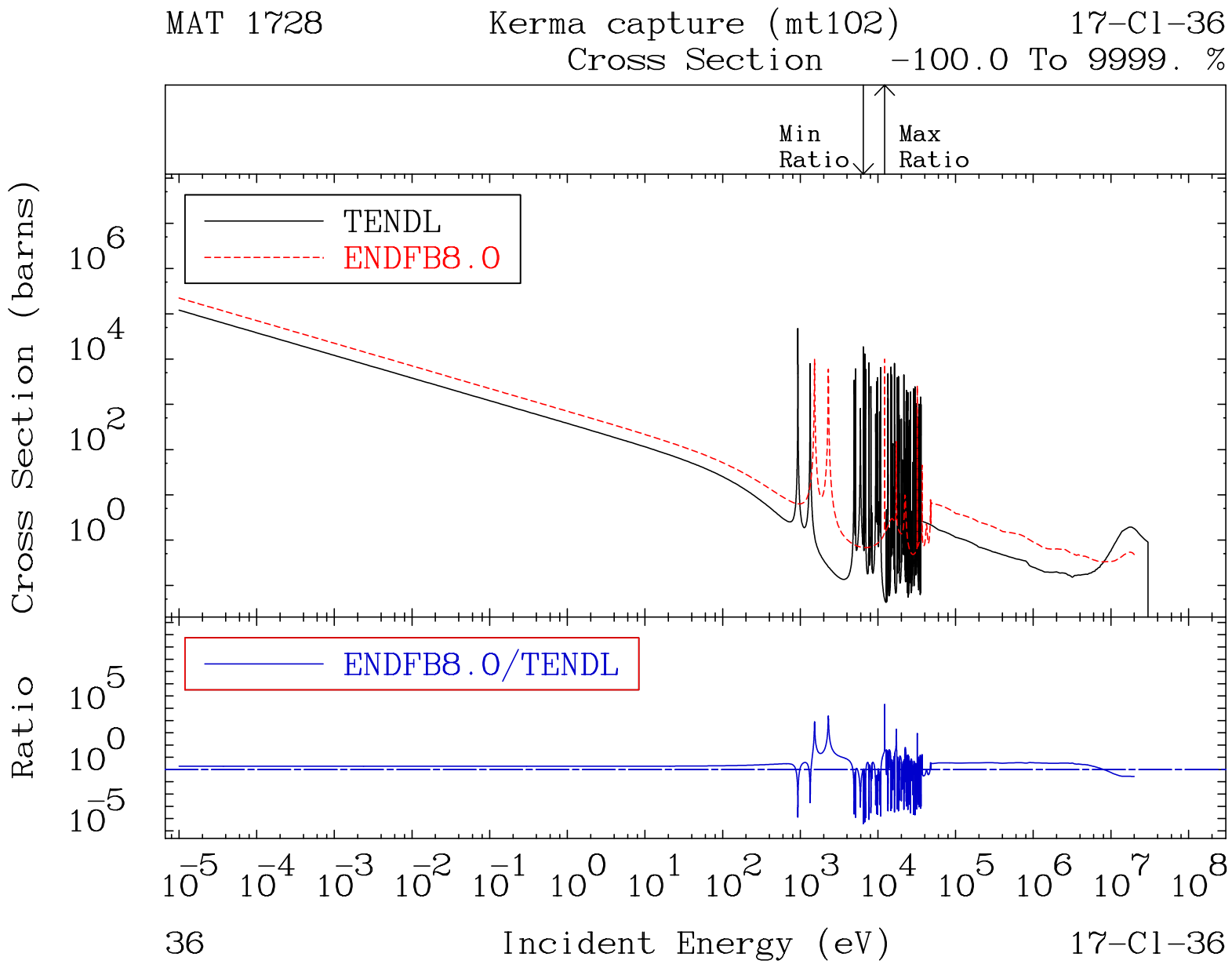

MAT 1728
Kerma total (eV-barns)
17-Cl-36
Cross Section -25.30 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
31
17-Cl-36

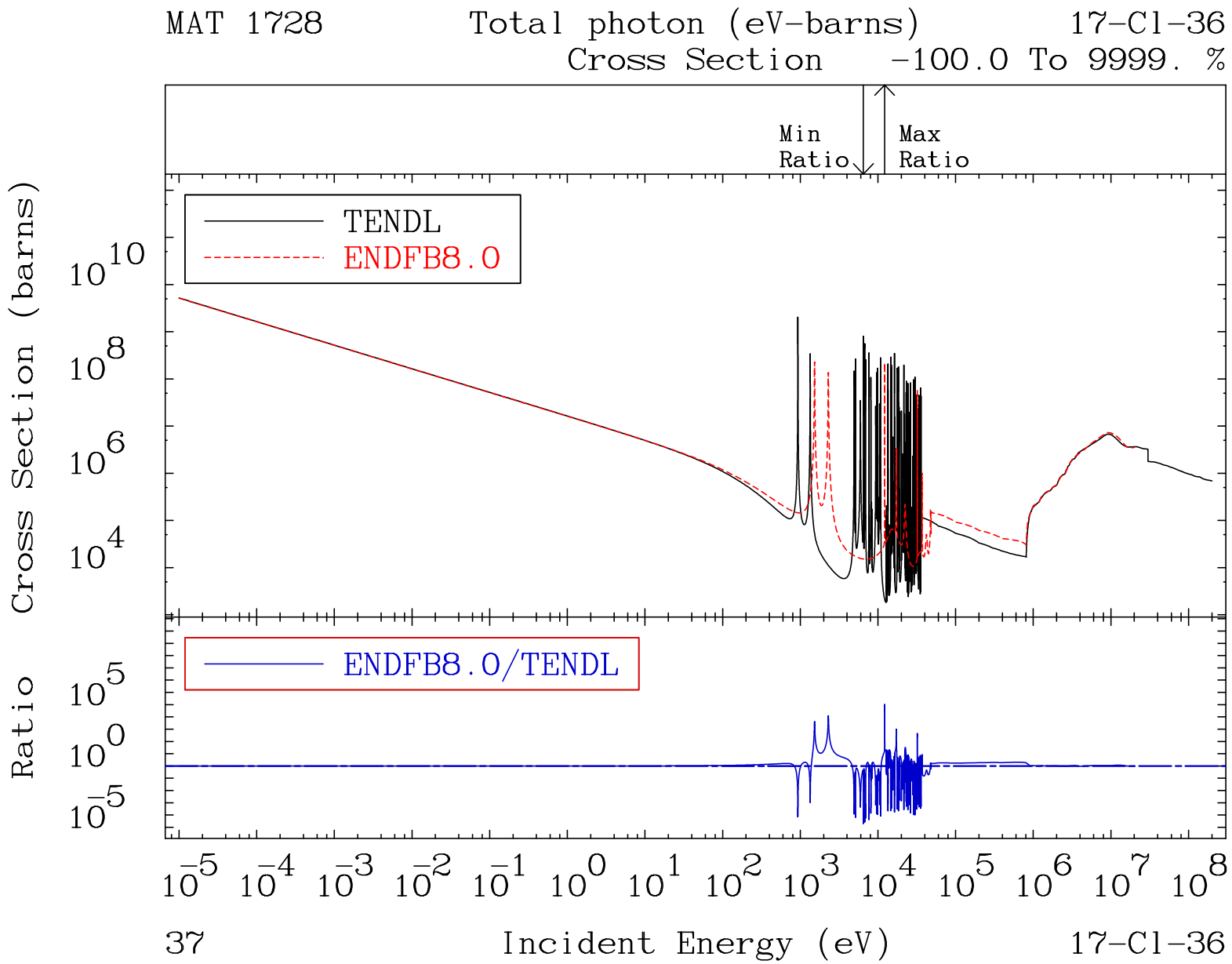

MAT 1728
Kerma elastic
Cross Section
17-Cl-36
-99.08 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
32
17-Cl-36

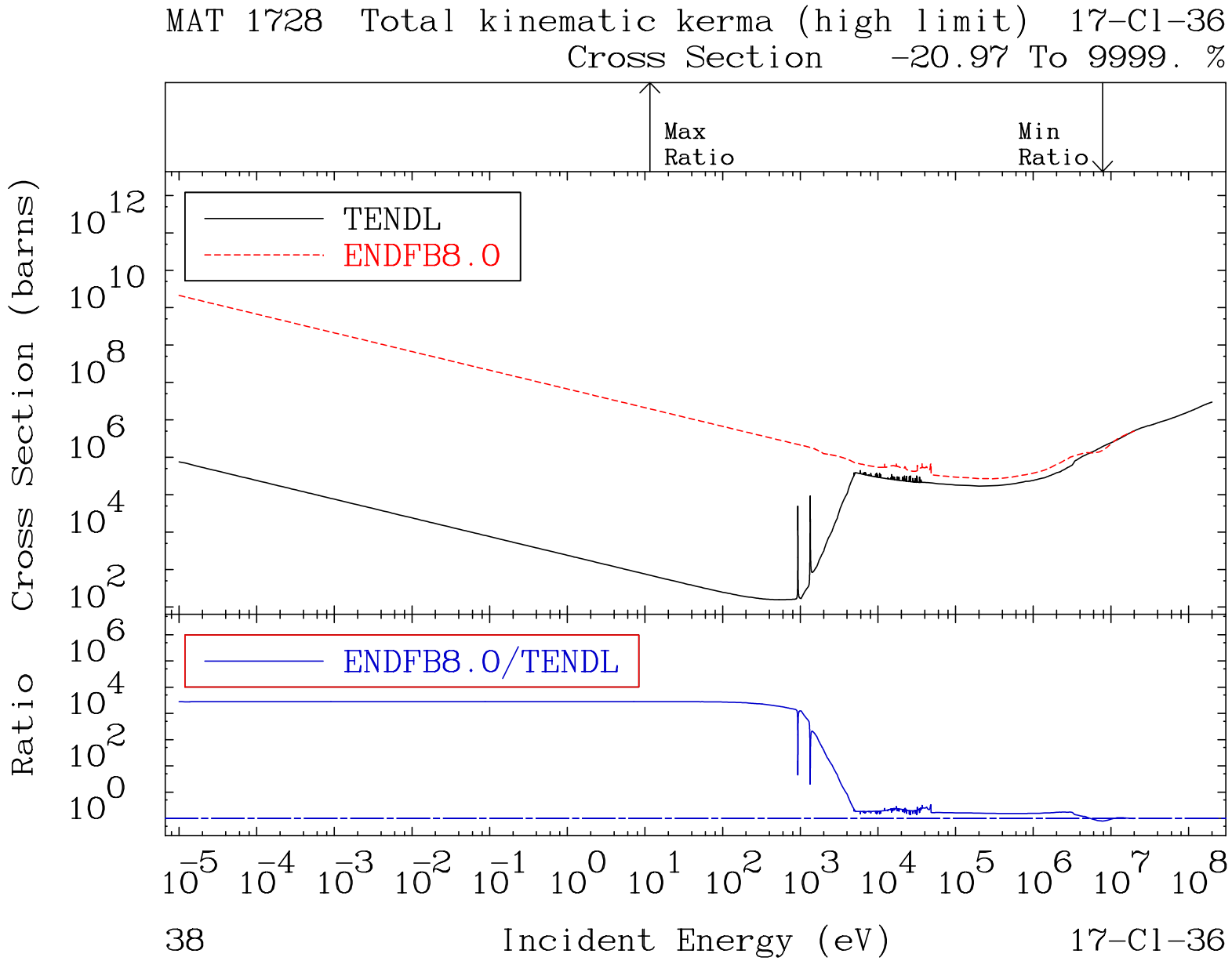

MAT 1728 Kerma non-elastic (all but mt2) 17-Cl-36
Cross Section -26.53 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
33
17-Cl-36

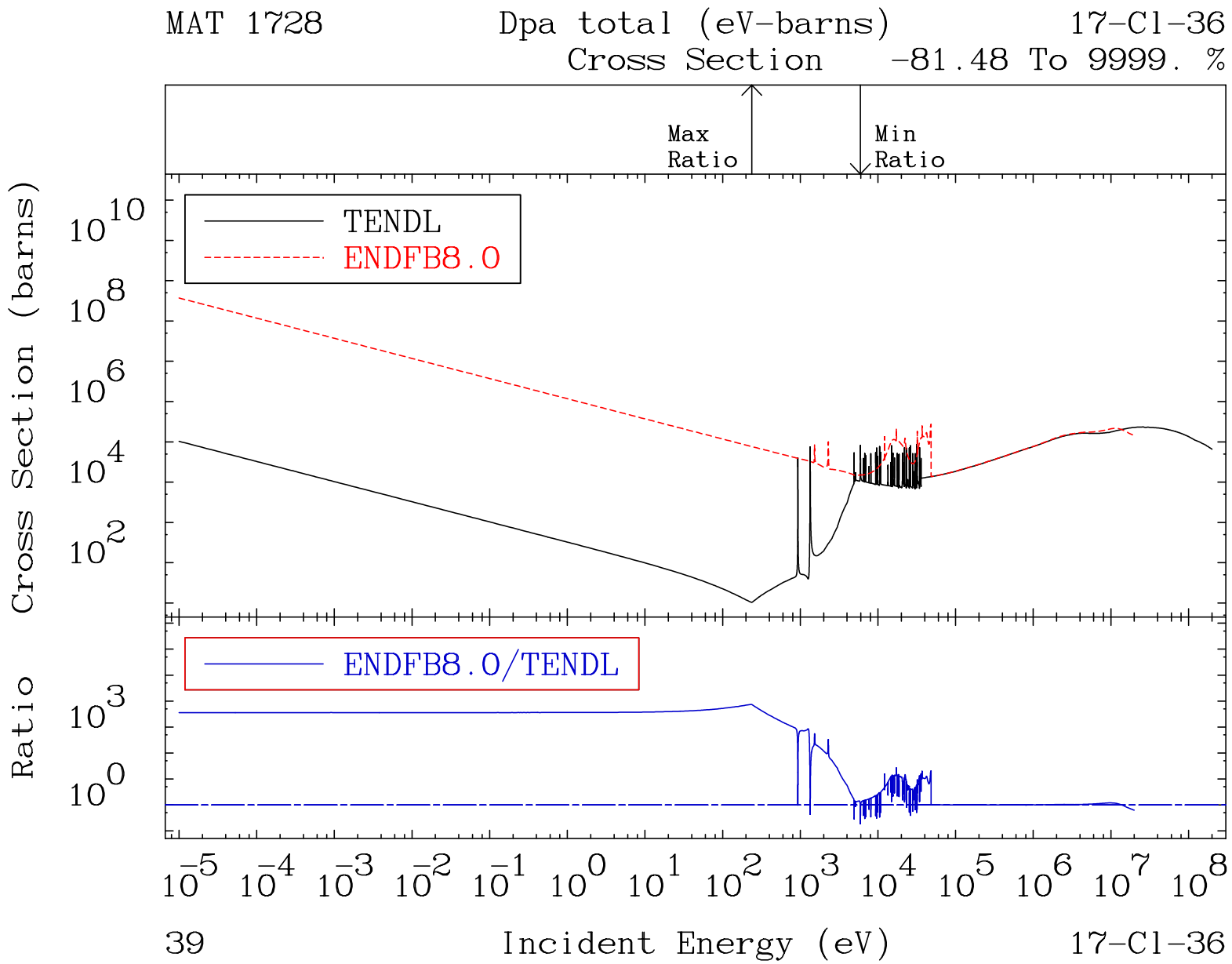

MAT 1728
Kerma inelastic (mt51-91)
17-Cl-36
Cross Section
-62.83 To 31.42 %
Max Ratio
Min Ratio
TENDL Threshold 810.54 keV
ENDFB8.0 Threshold 810.54 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
34
Incident Energy (eV)
17-Cl-36

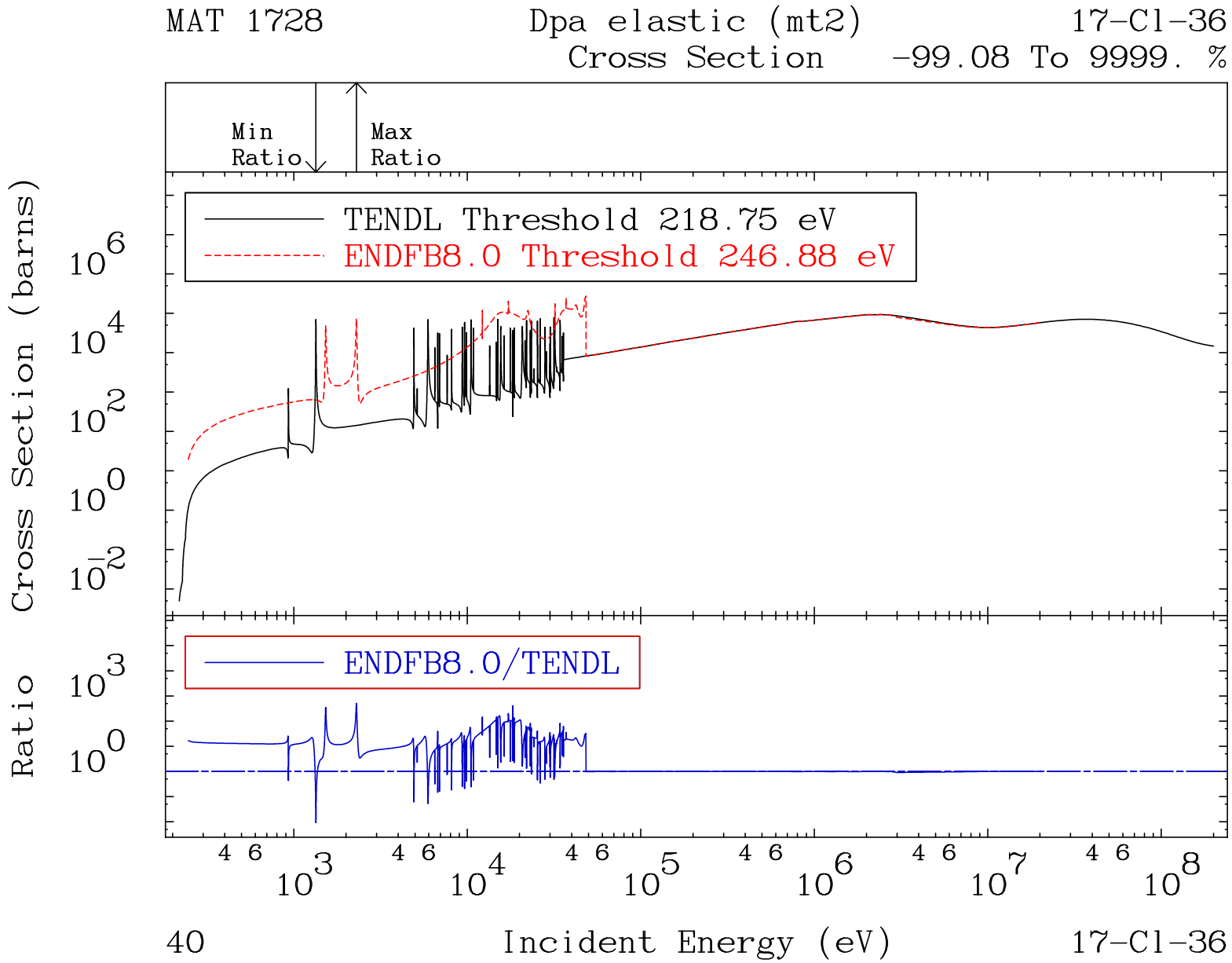

MAT 1728 Kerma fission (mt18 or mt19-20-21-38) 17-Cl-36
Cross Section -62.83 To 31.42 %
Max
Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
1.8
1.2
0.6
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
35
Incident Energy (eV)
17-Cl-36

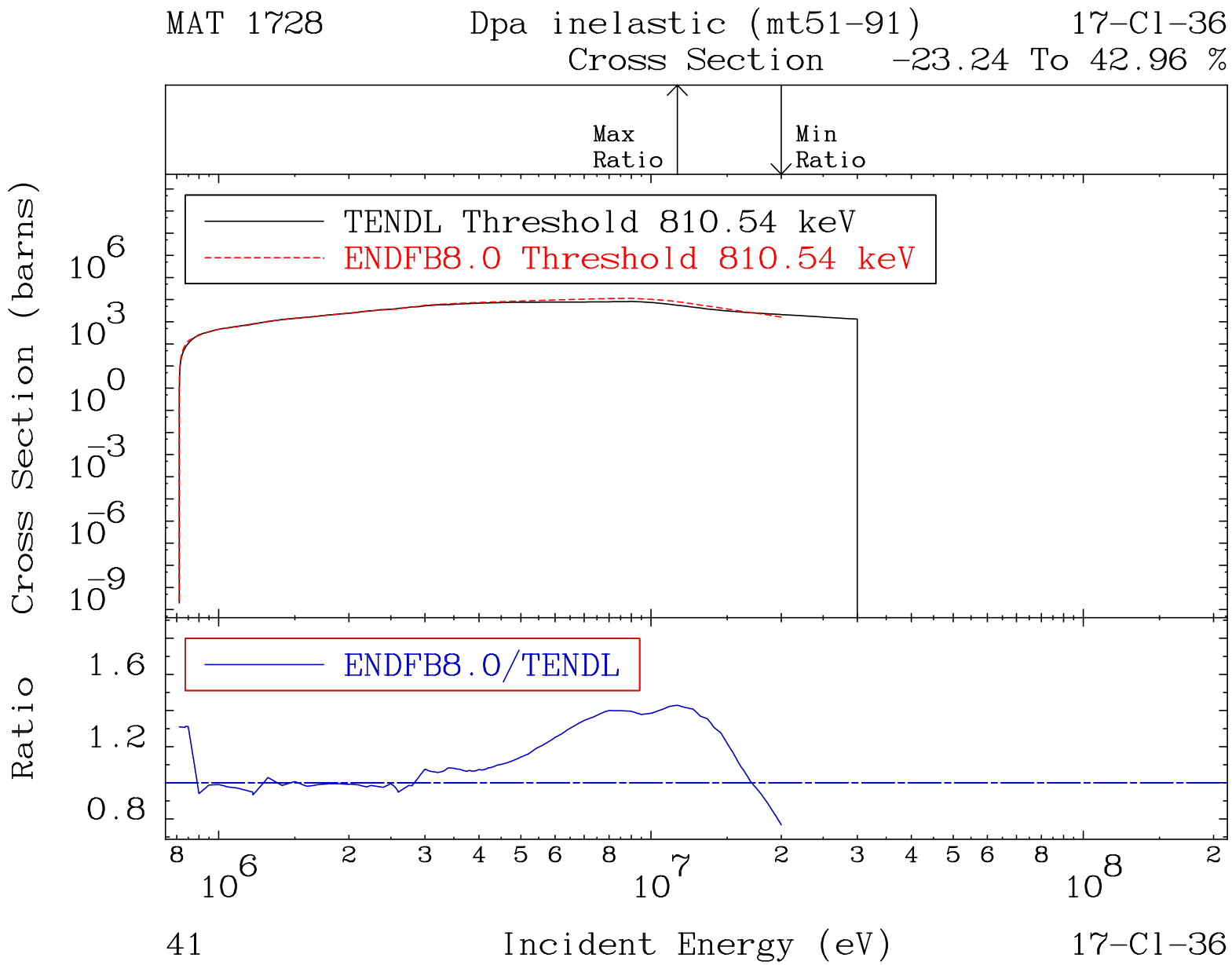

MAT 1728
Kerma capture (mt102)
17-Cl-36
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
36
17-Cl-36

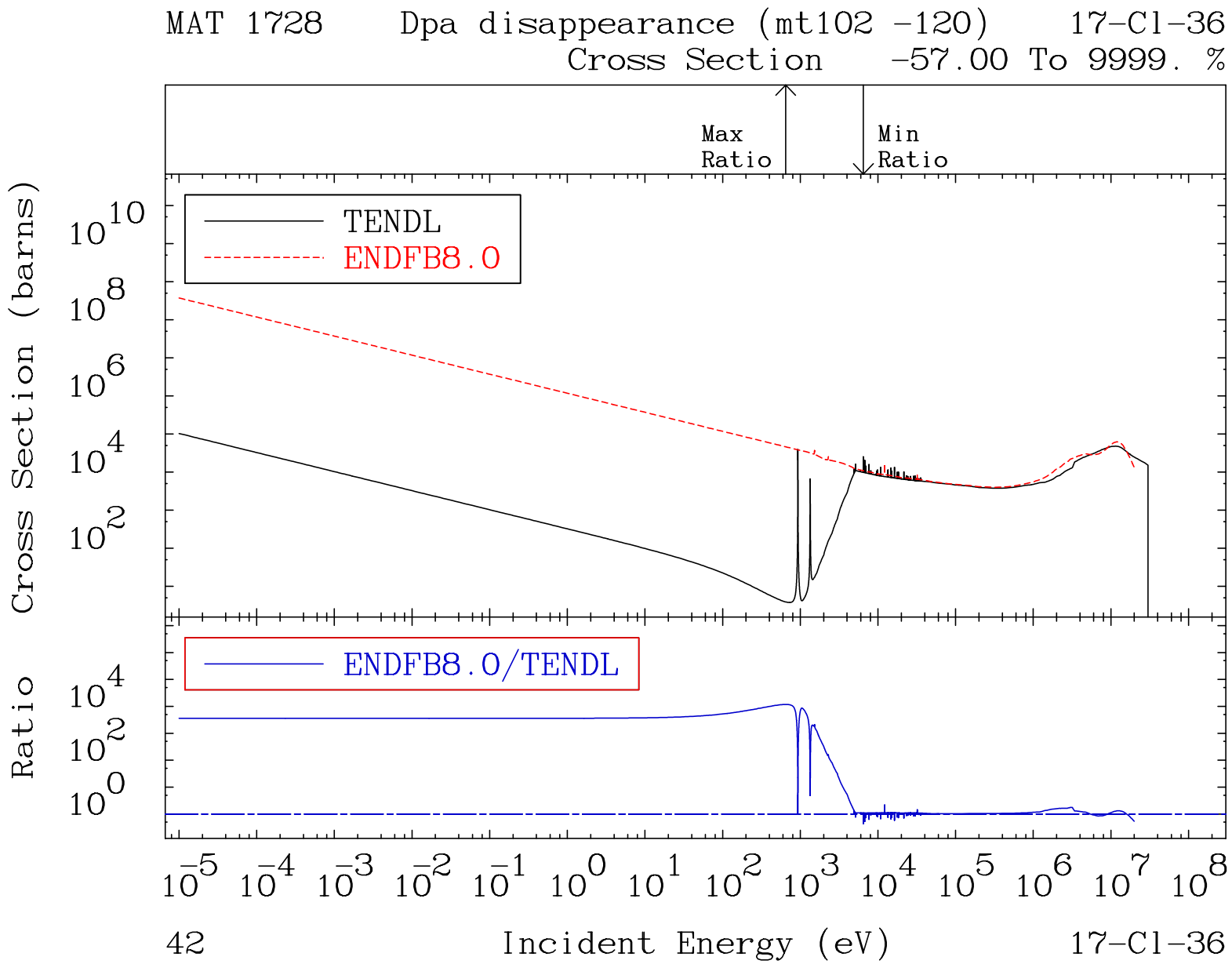

MAT 1728
Total photon (eV-barns)
17-Cl-36
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
10^{10}
10^{8}
10^{6}
10^{4}
ENDFB8.0/TENDL
Ratio
10^{5}
10^{0}
10^{-5}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
37
Incident Energy (eV)
17-Cl-36


MAT 1728 Total kinematic kerma (high limit) 17-Cl-36
Cross Section -20.97 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
38
17-Cl-36


MAT 1728
Dpa total (eV-barns)
17-Cl-36
Cross Section
-81.48 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
39
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)
40
17-Cl-36


MAT 1728
Dpa inelastic (mt51-91)
17-Cl-36
Cross Section
-23.24 To 42.96 %
Max Ratio
Min Ratio
TENDL Threshold 810.54 keV
ENDFB8.0 Threshold 810.54 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
41
Incident Energy (eV)
17-Cl-36


MAT 1728 Dpa disappearance (mt102 -120) 17-Cl-36
Cross Section -57.00 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
42
17-Cl-36