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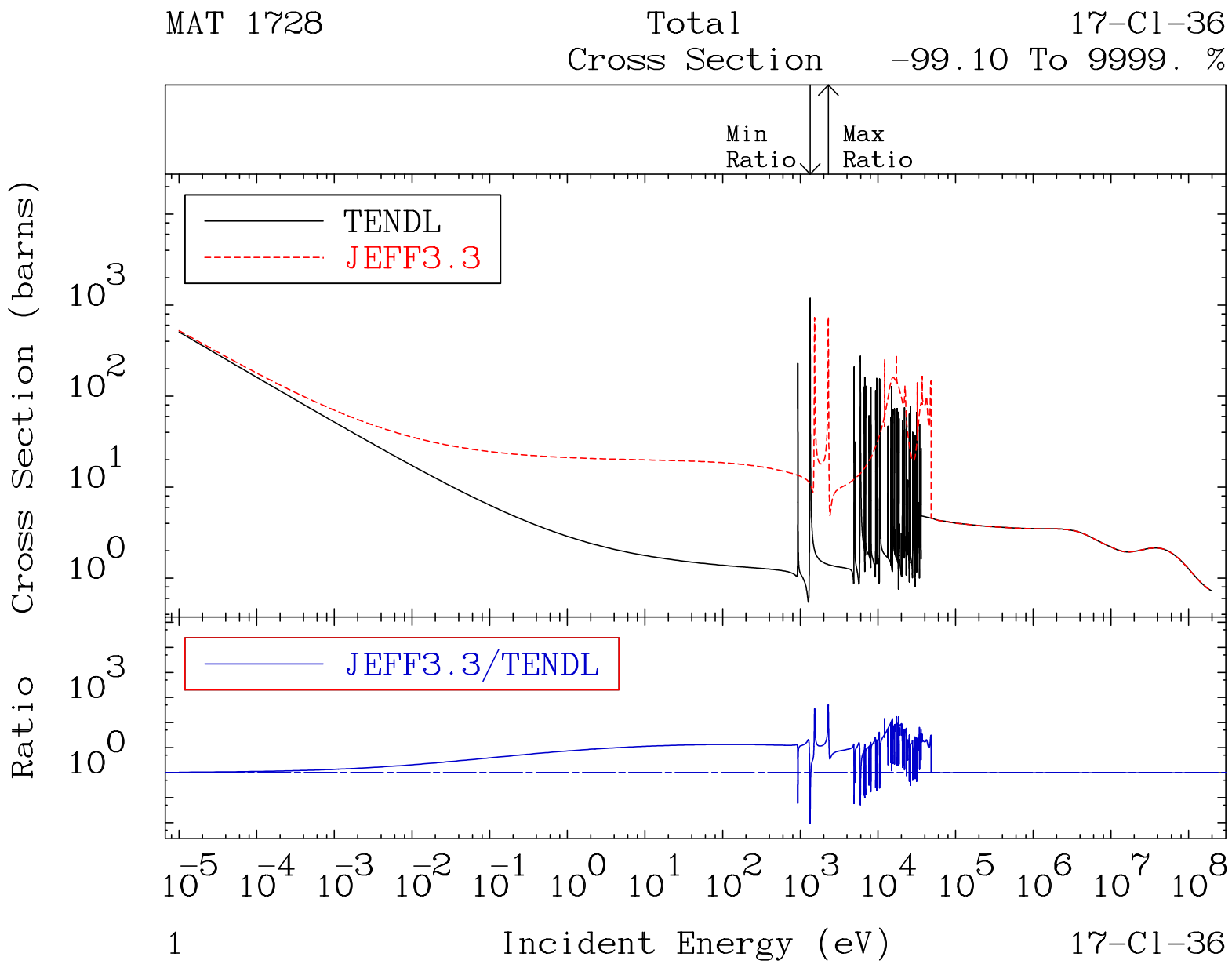
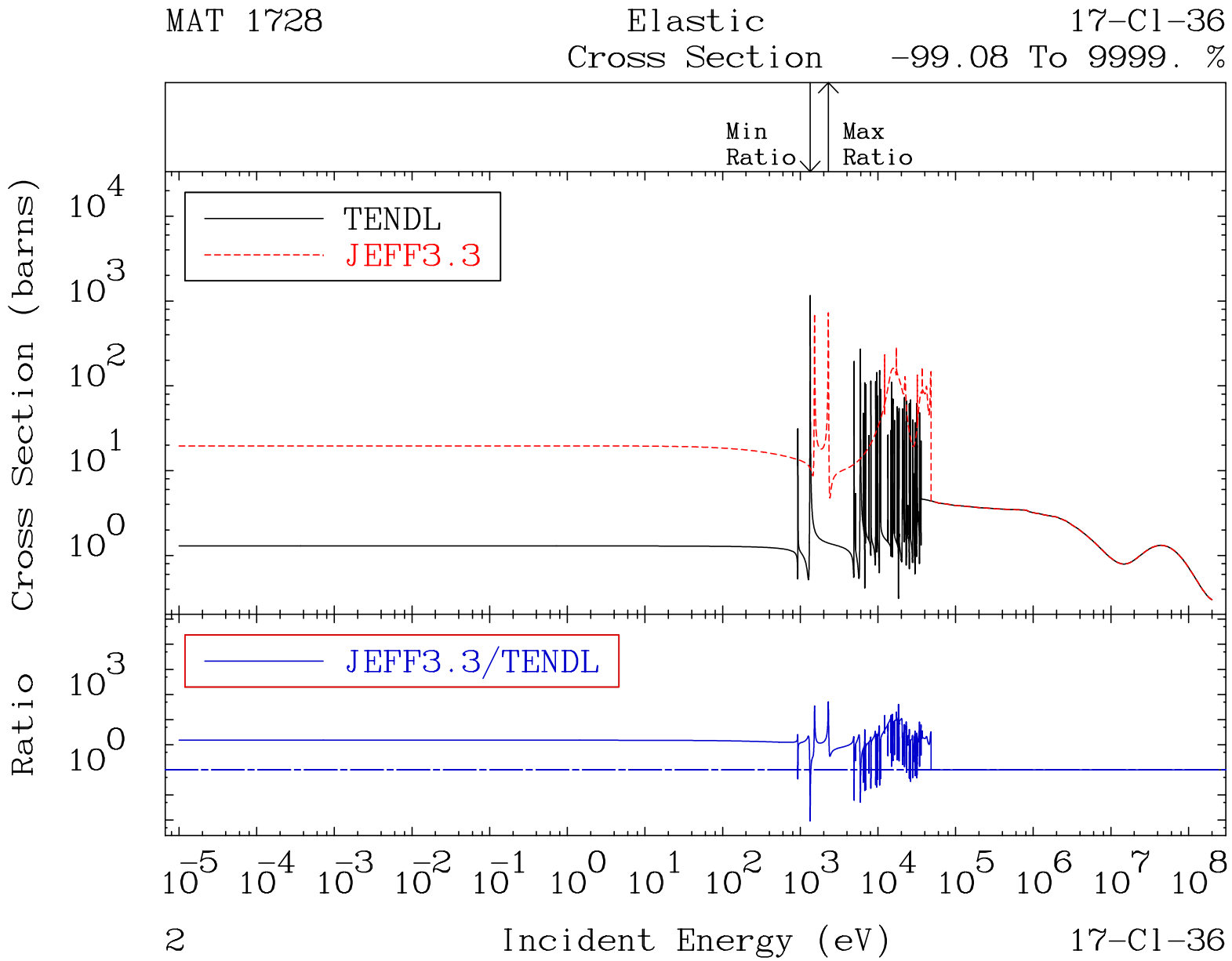
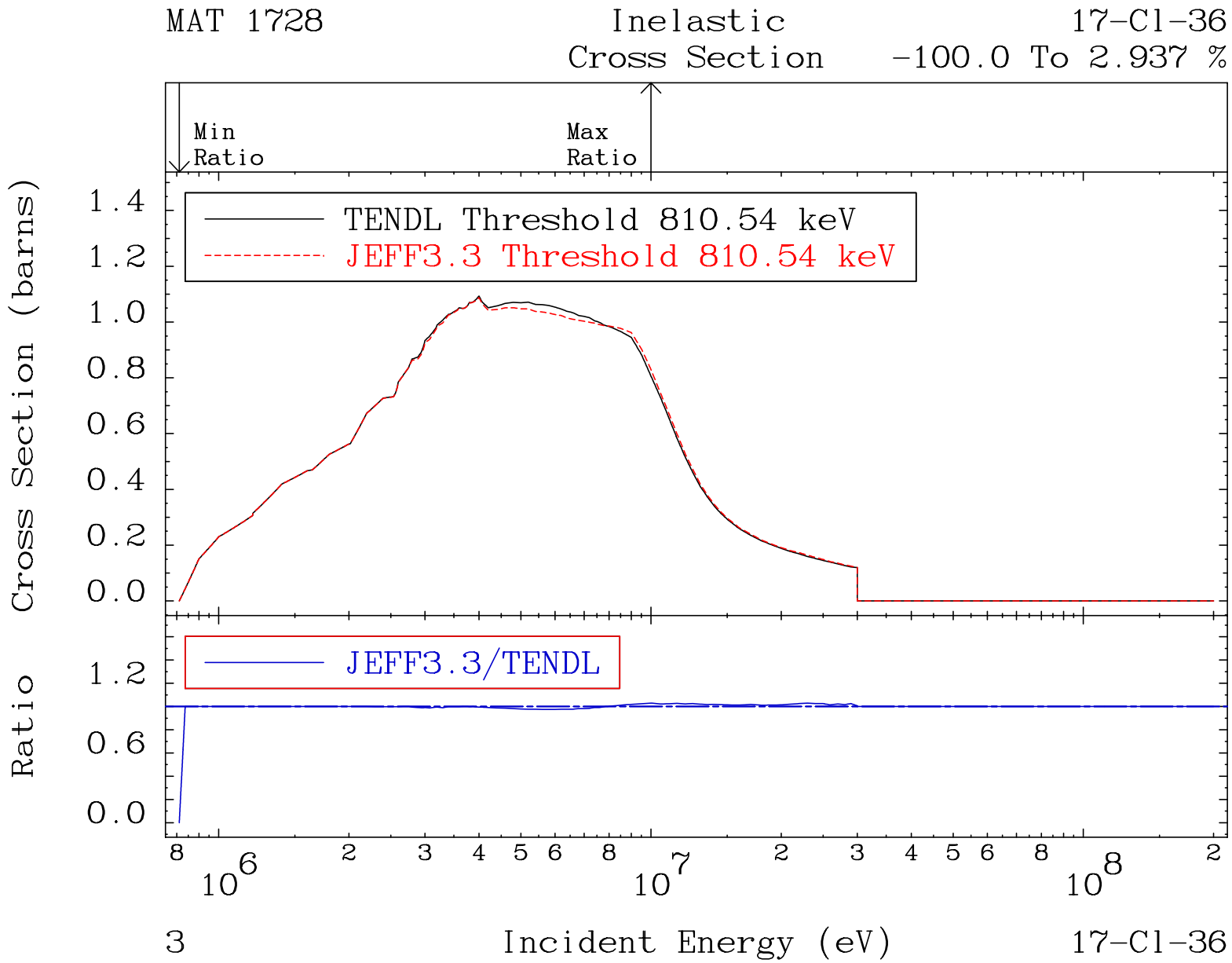
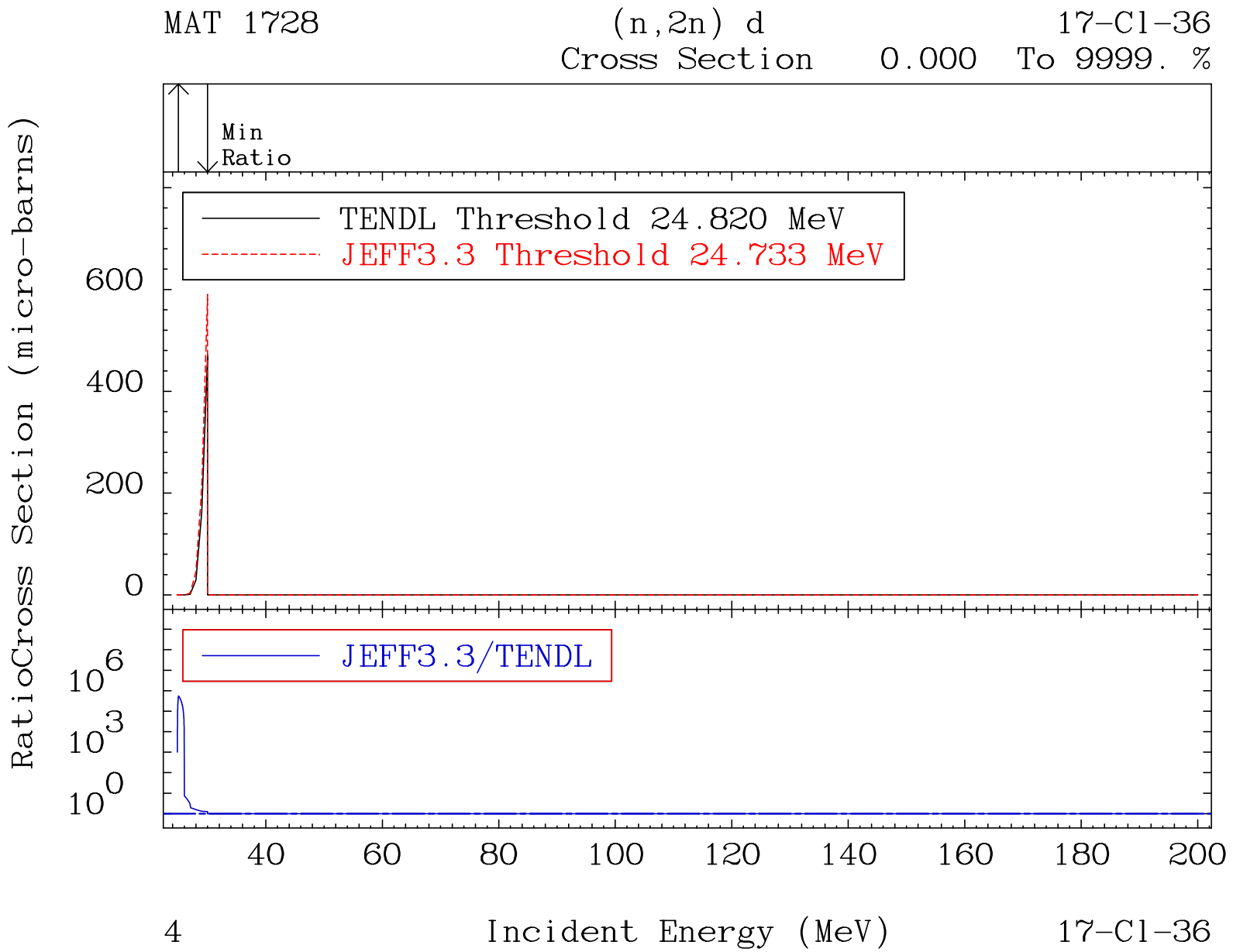
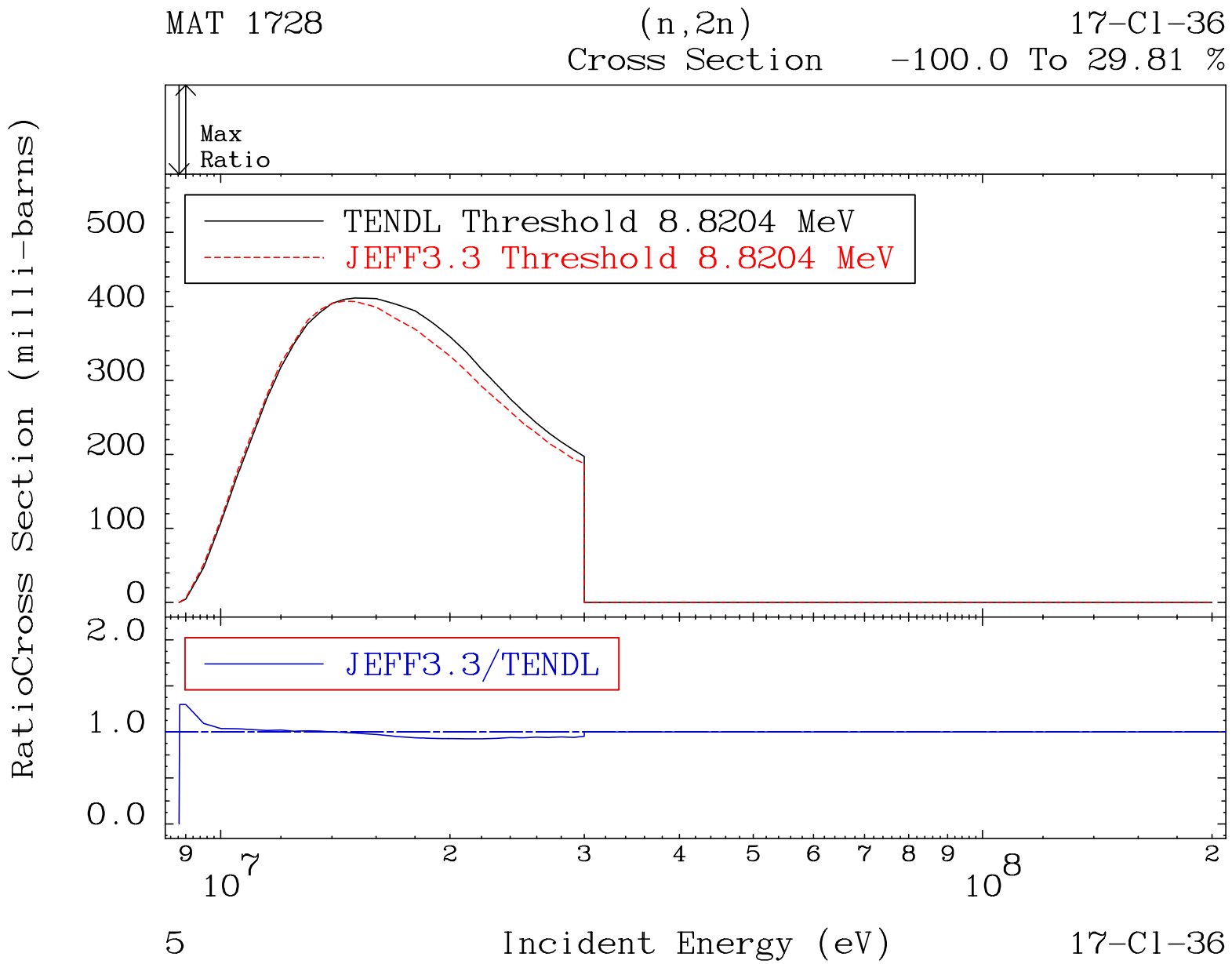
Press Mouse Button to Start

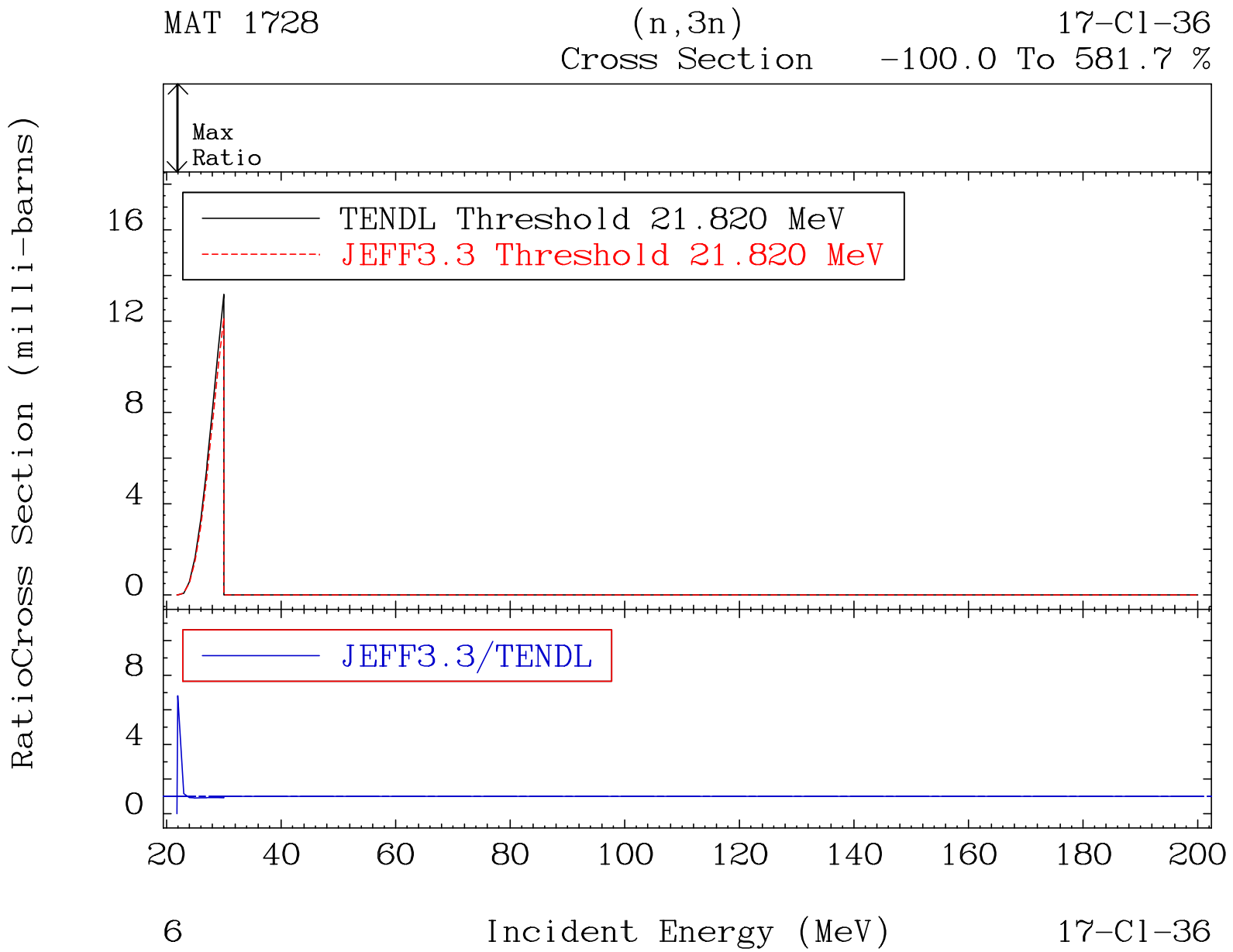

MAT 1728
Total
Cross Section
17-Cl-36
-99.10 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
17-Cl-36

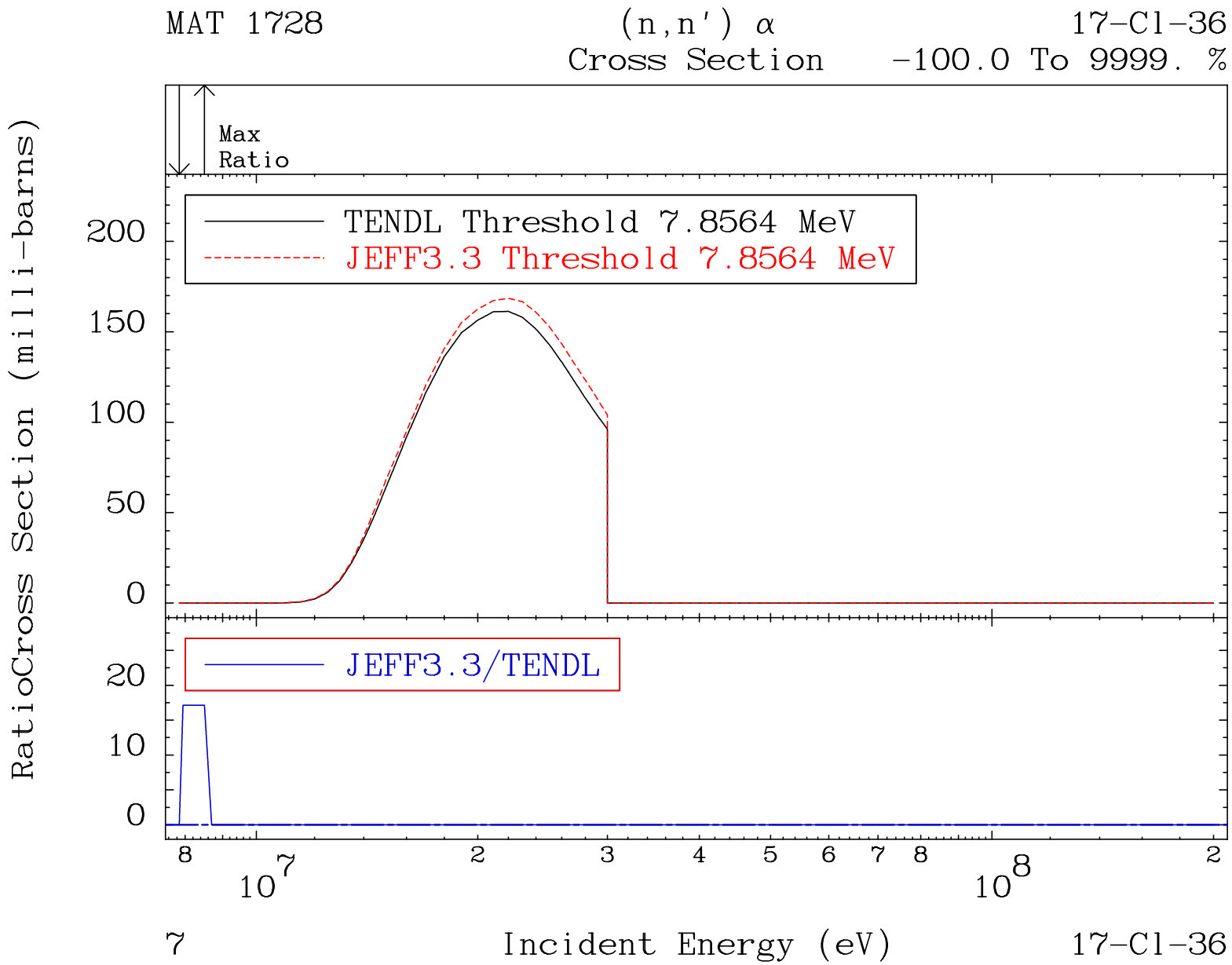

MAT 1728
Elastic
Cross Section
17-Cl-36
-99.08 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
17-Cl-36

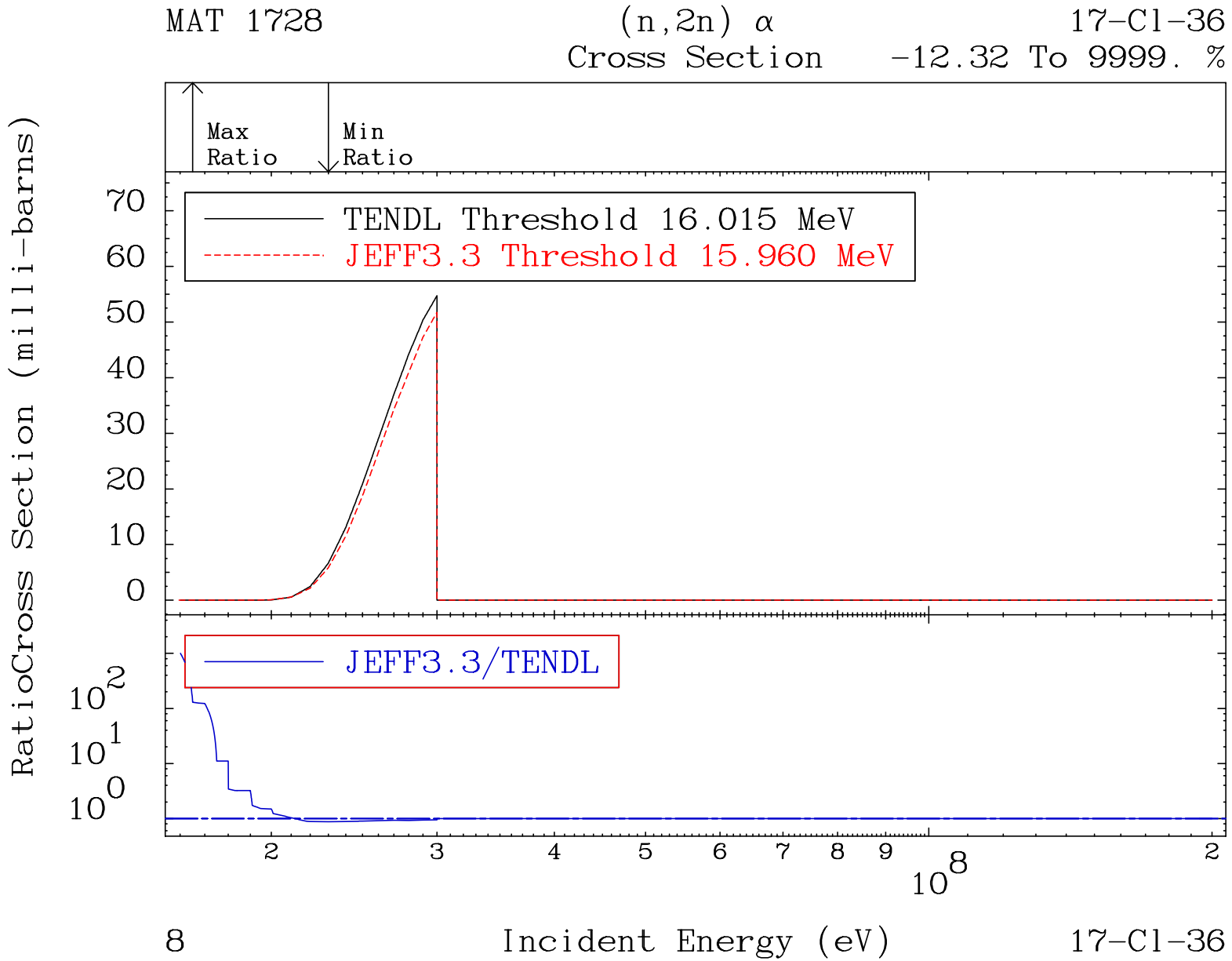

MAT 1728
Inelastic
Cross Section
17-Cl-36
-100.0 To 2.937 %
Min Ratio
Max Ratio
TENDL Threshold 810.54 keV
JEFF3.3 Threshold 810.54 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
17-Cl-36

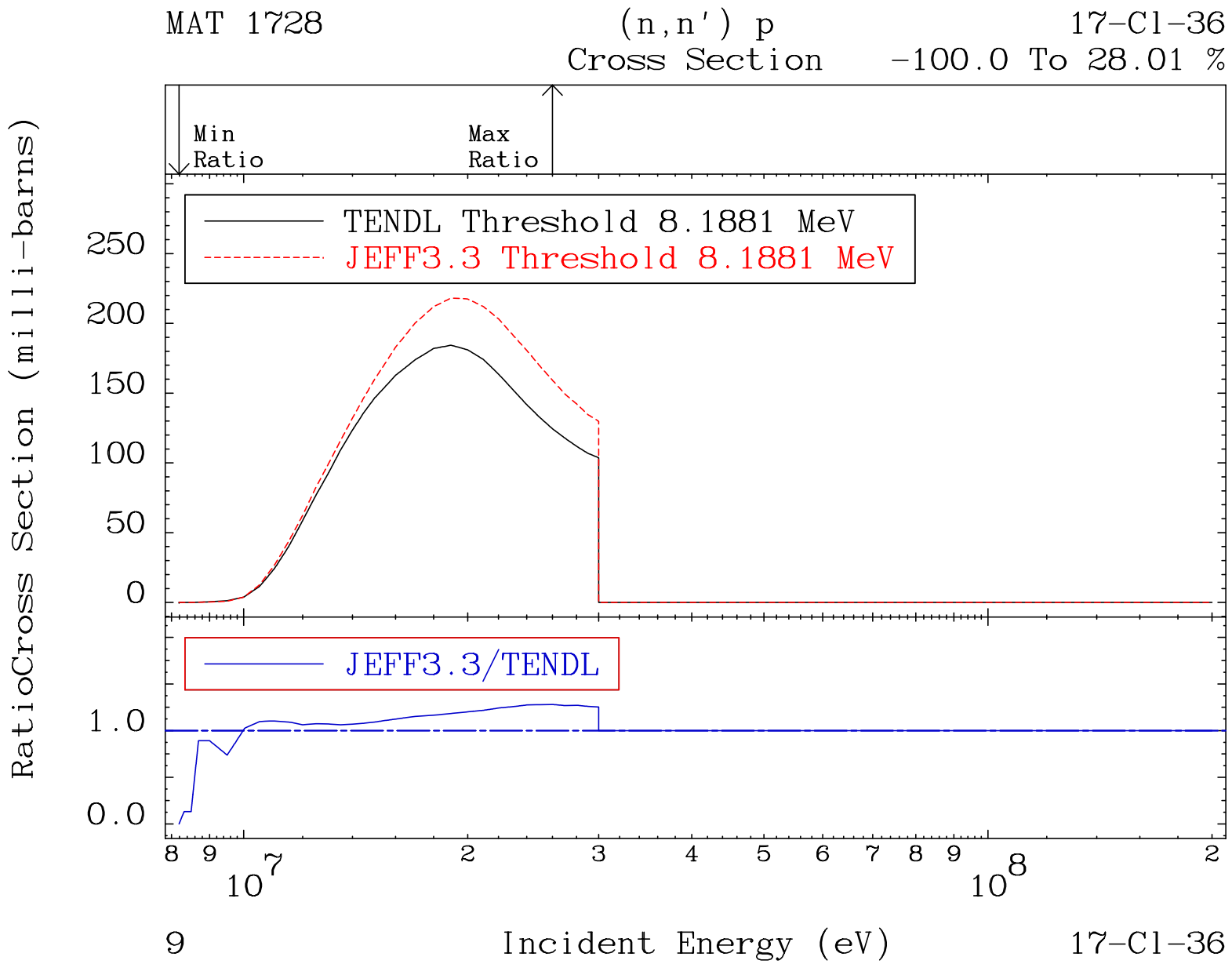

MAT 1728
(n,2n) d
17-Cl-36
Cross Section 0.000 To 9999. %
Min
Ratio
TENDL Threshold 24.820 MeV
JEFF3.3 Threshold 24.733 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
600
400
200
0
10^6
10^3
10^0
40
60
80
100
120
140
160
180
200
4
Incident Energy (MeV)
17-Cl-36

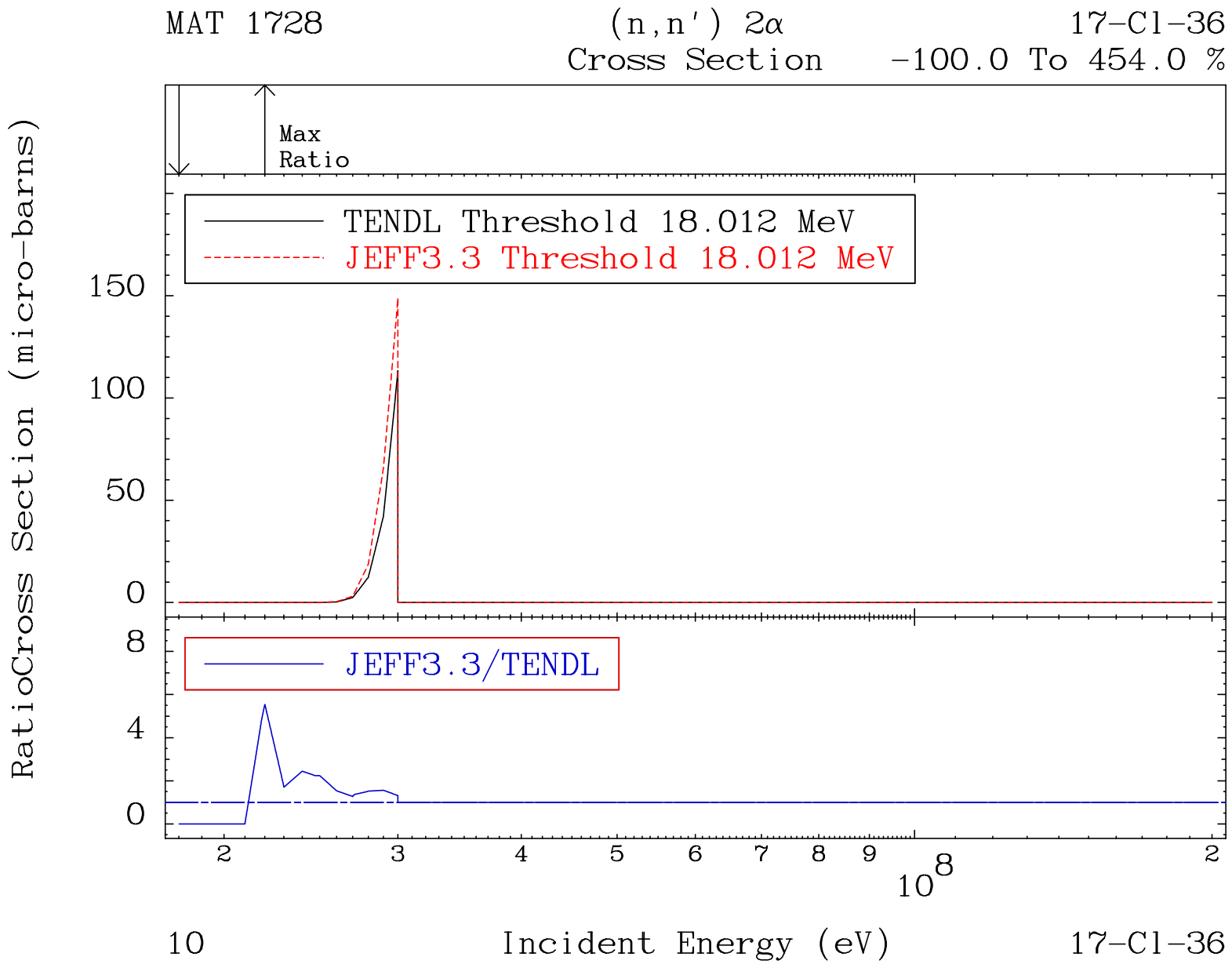

MAT 1728
(n,2n)
Cross Section
17-Cl-36
-100.0 To 29.81 %
Max
Ratio
TENDL Threshold 8.8204 MeV
JEFF3.3 Threshold 8.8204 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
2.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
17-Cl-36

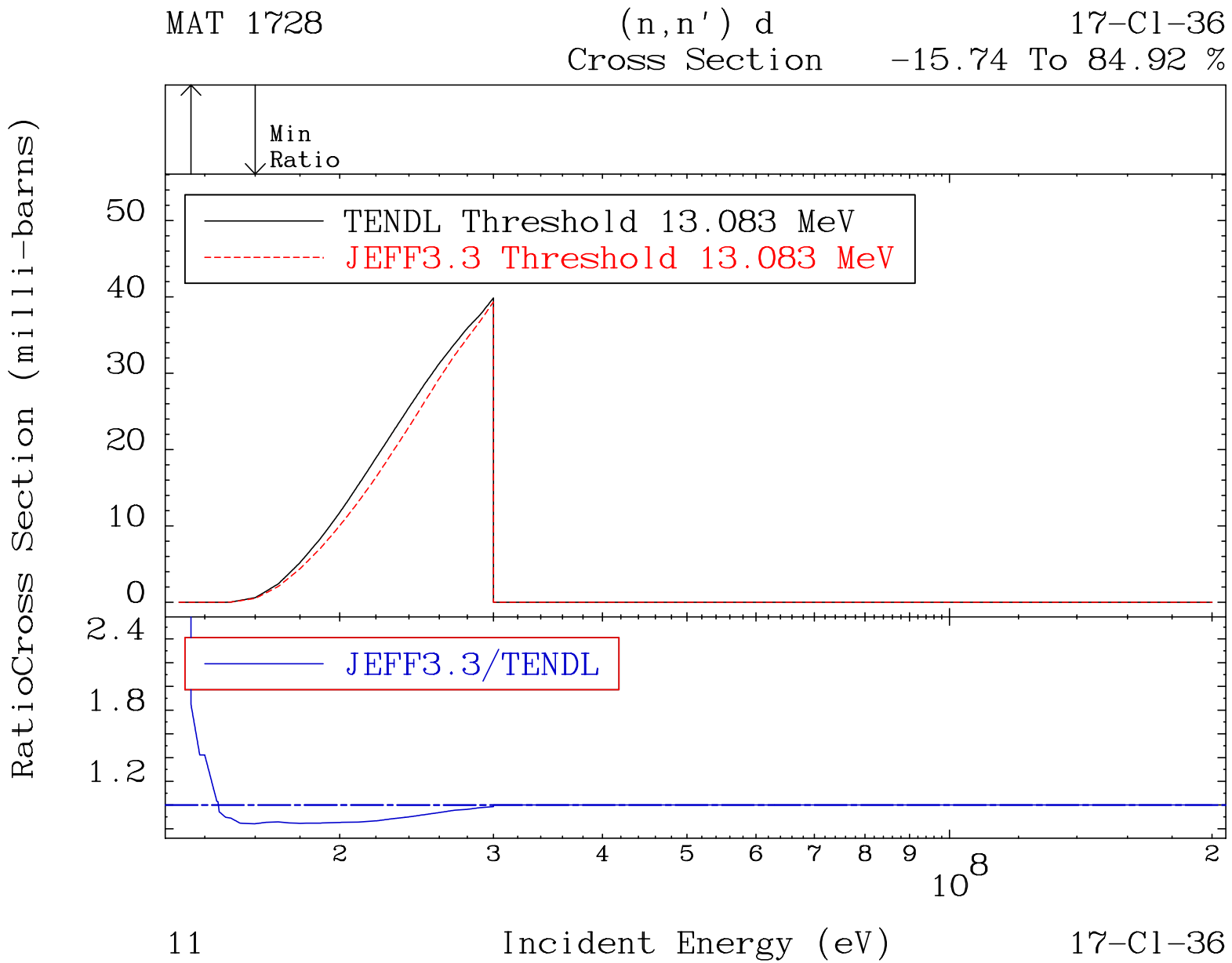

MAT 1728
(n,3n)
17-Cl-36
Cross Section
-100.0 To 581.7 %
Max
Ratio
TENDL Threshold 21.820 MeV
JEFF3.3 Threshold 21.820 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
8
4
0
20
40
60
80
100
120
140
160
180
200
6
Incident Energy (MeV)
17-Cl-36

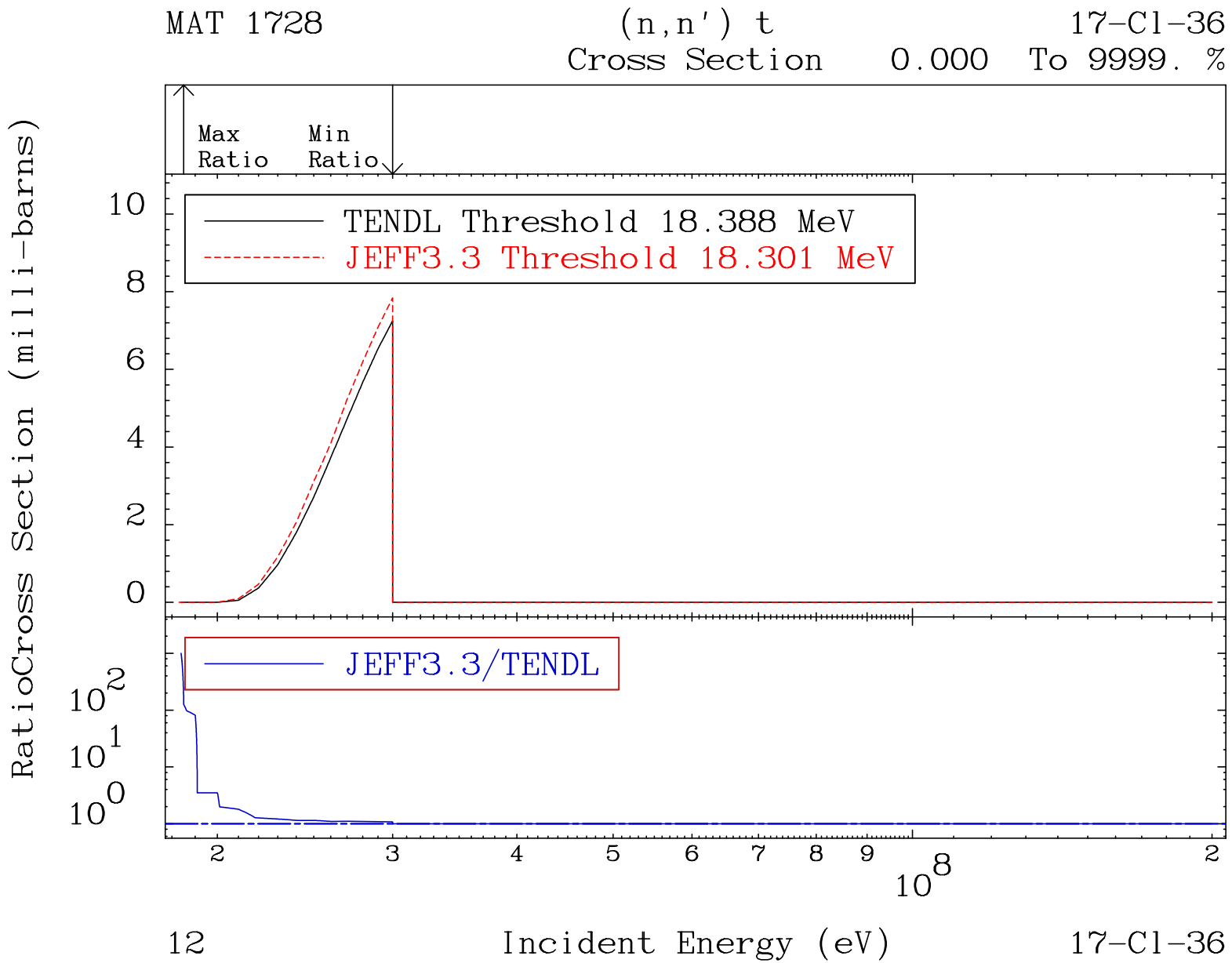

MAT 1728
(n,n') α
17-Cl-36
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 7.8564 MeV
JEFF3.3 Threshold 7.8564 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
20
10
0
8
10^7
2
3
4
5
6
7
8
10^8
2
7
Incident Energy (eV)
17-Cl-36

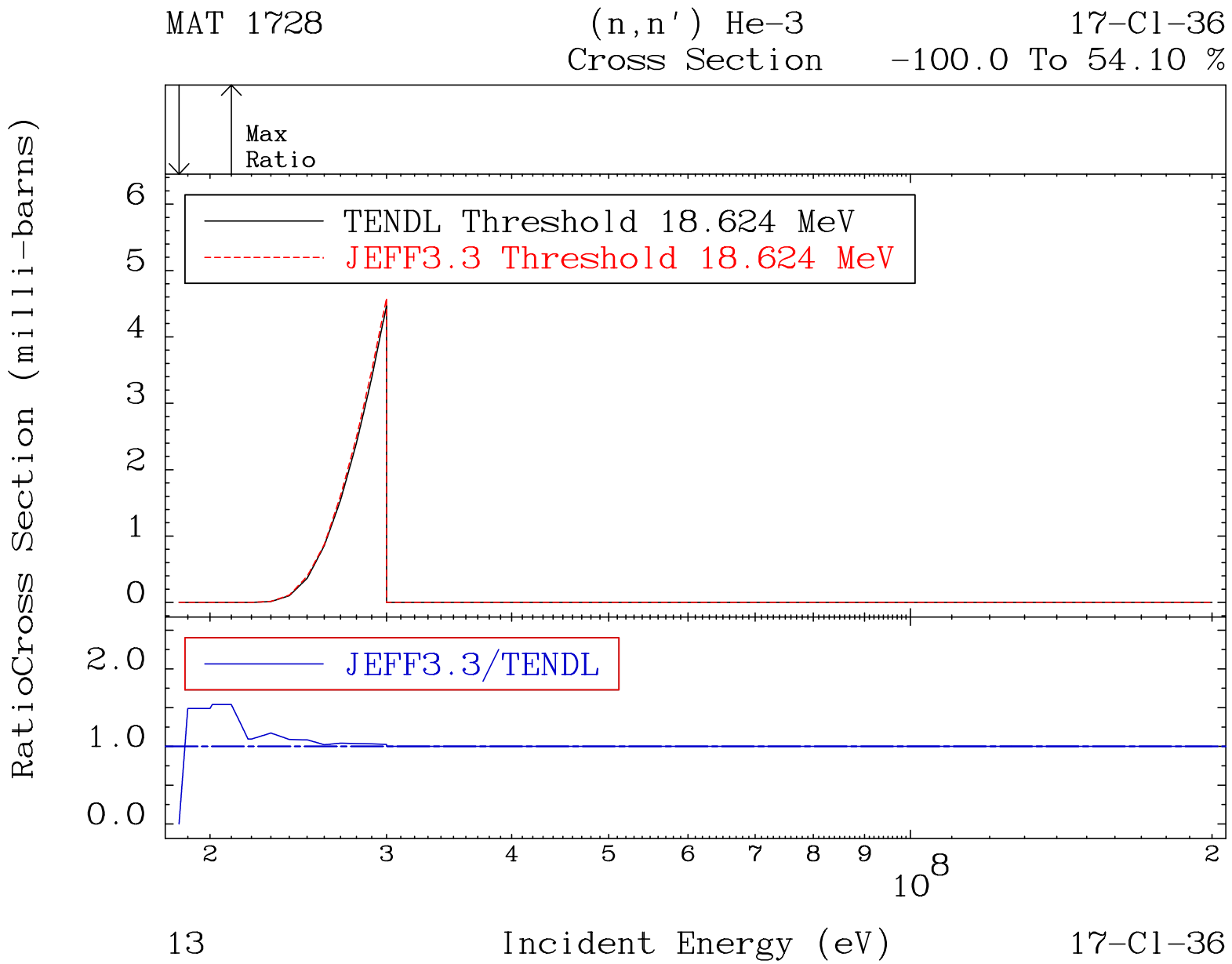

MAT 1728
(n,2n) α
17-Cl-36
Cross Section
-12.32 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 16.015 MeV
JEFF3.3 Threshold 15.960 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
17-Cl-36

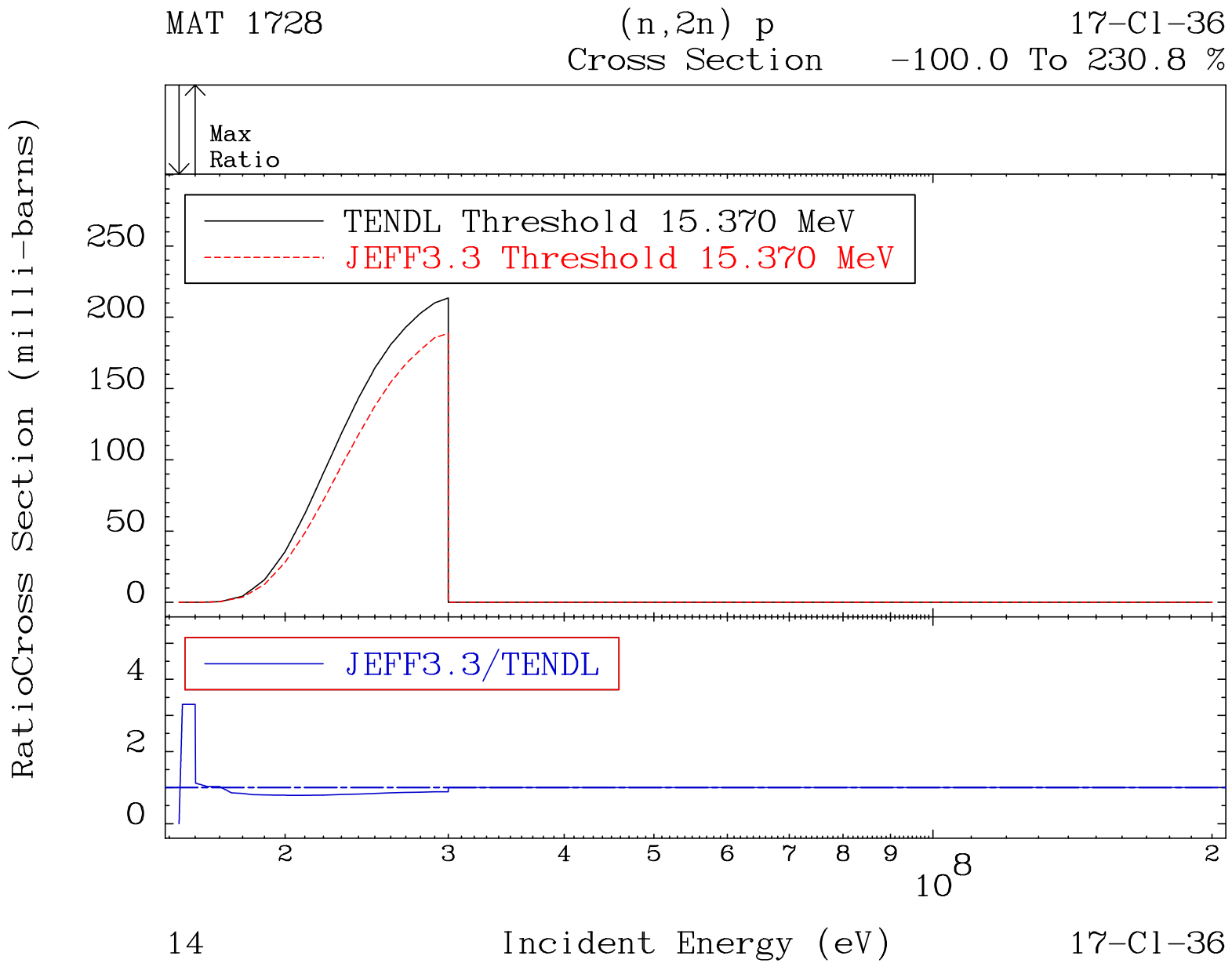

MAT 1728
(n,n') p
Cross Section
17-Cl-36
-100.0 To 28.01 %
Min Ratio
Max Ratio
TENDL Threshold 8.1881 MeV
JEFF3.3 Threshold 8.1881 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
1.0
0.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
9
Incident Energy (eV)
17-Cl-36

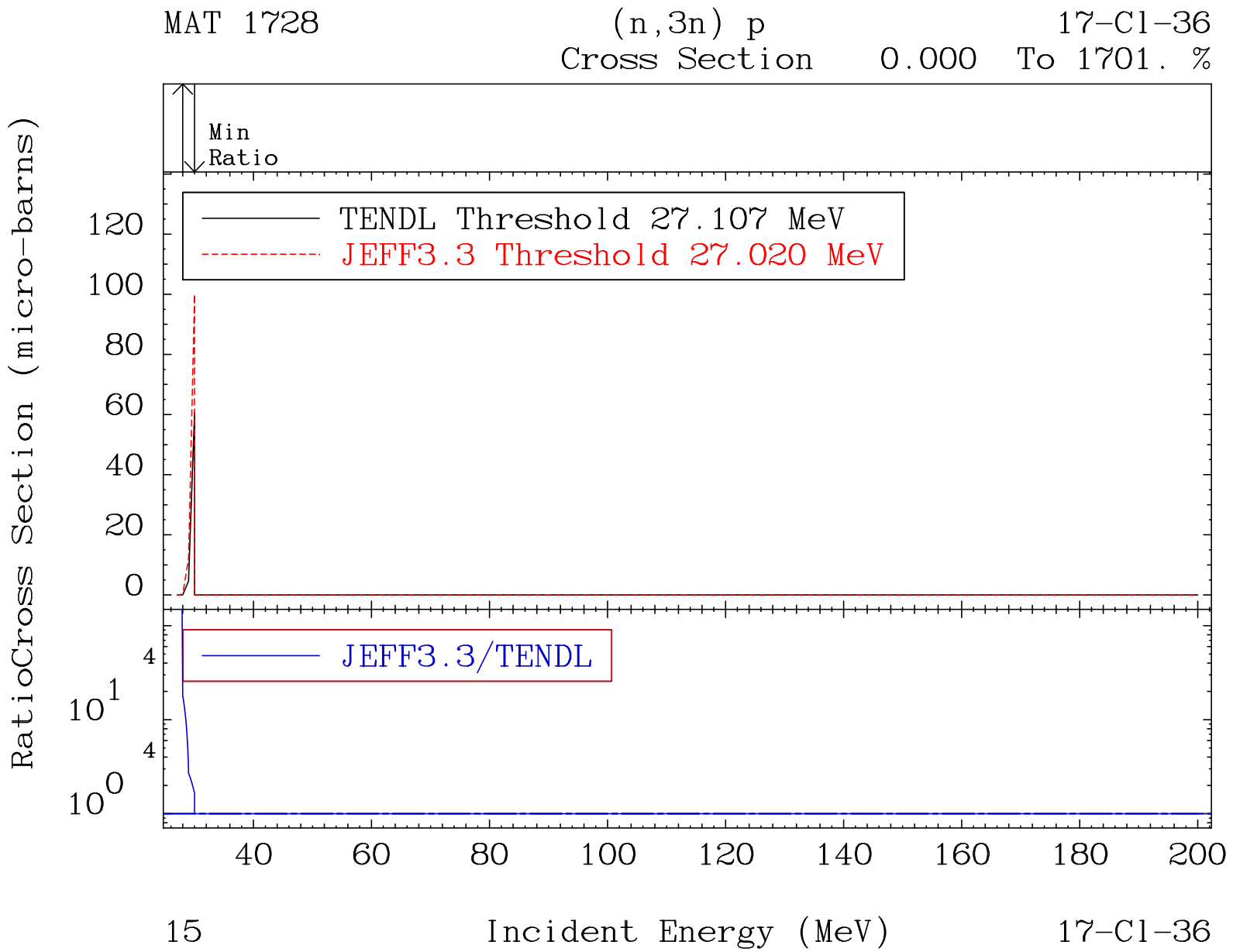

MAT 1728
(n,n') 2α
Cross Section
17-Cl-36
-100.0 To 454.0 %
Max
Ratio
TENDL Threshold 18.012 MeV
JEFF3.3 Threshold 18.012 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
150
100
50
0
8
4
0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
17-Cl-36

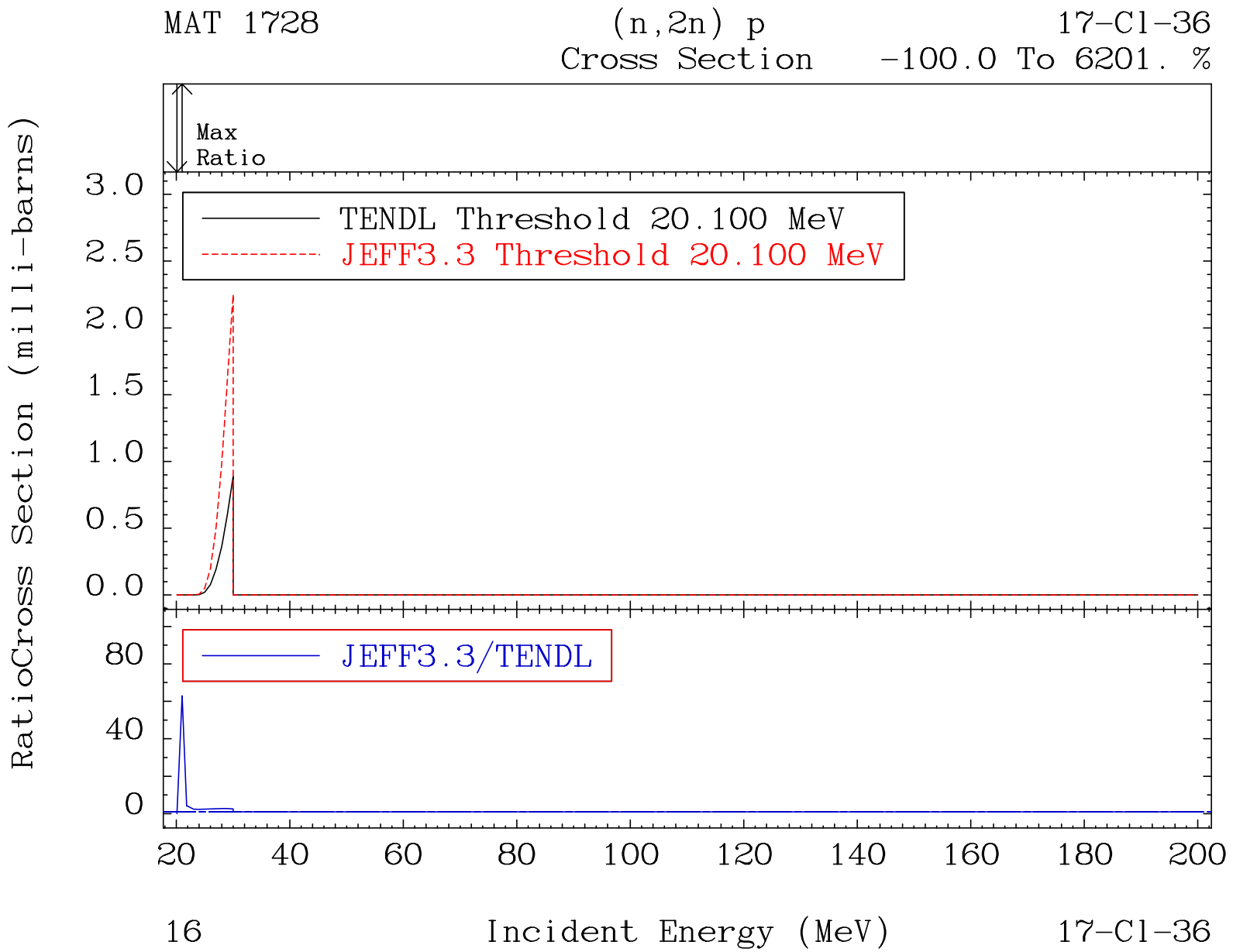

MAT 1728
(n,n') d
Cross Section
17-Cl-36
-15.74 To 84.92 %
Min
Ratio
TENDL Threshold 13.083 MeV
JEFF3.3 Threshold 13.083 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
2.4
1.8
1.2
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
17-Cl-36

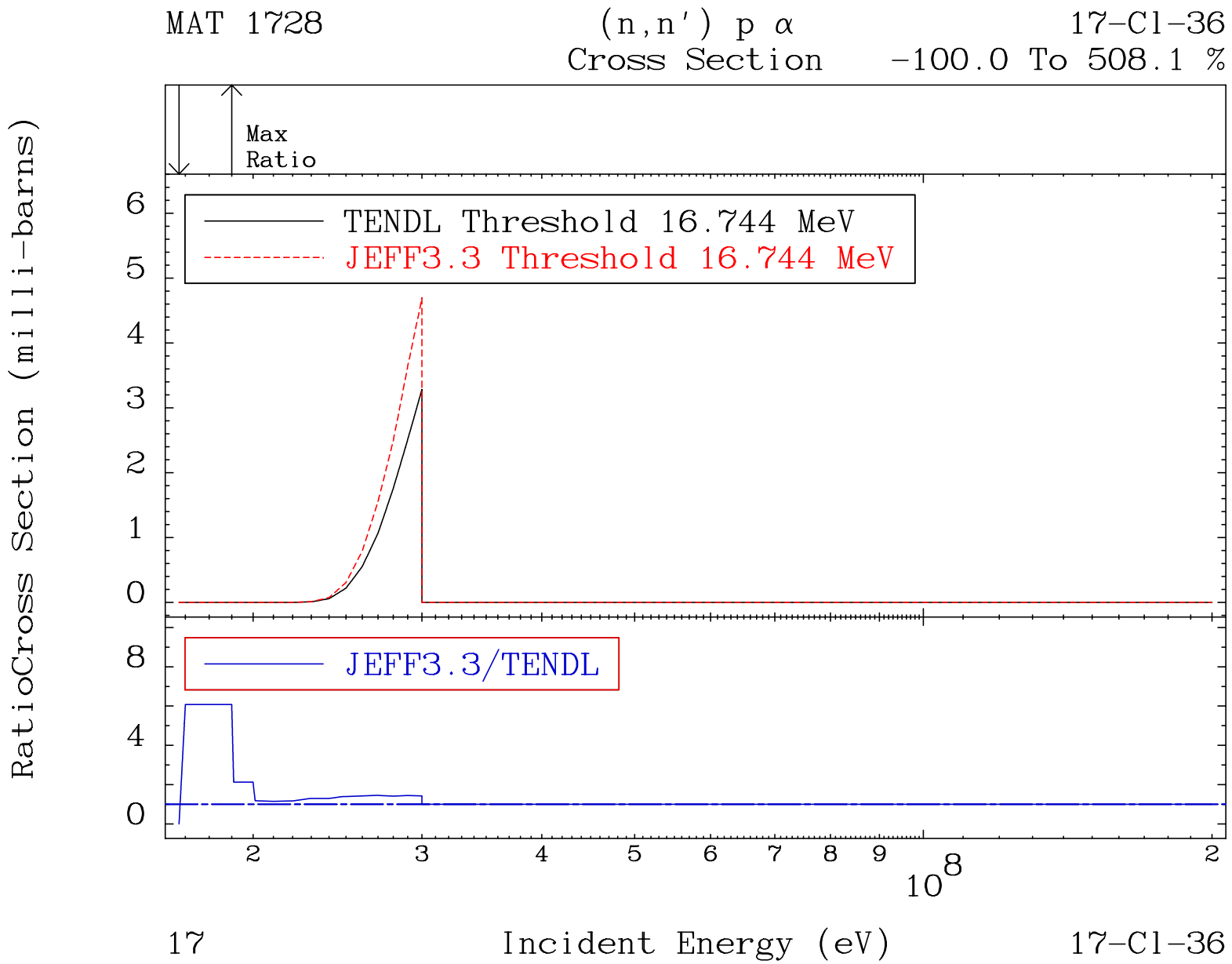

MAT 1728
(n,n') t
17-Cl-36
Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 18.388 MeV
JEFF3.3 Threshold 18.301 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
17-Cl-36

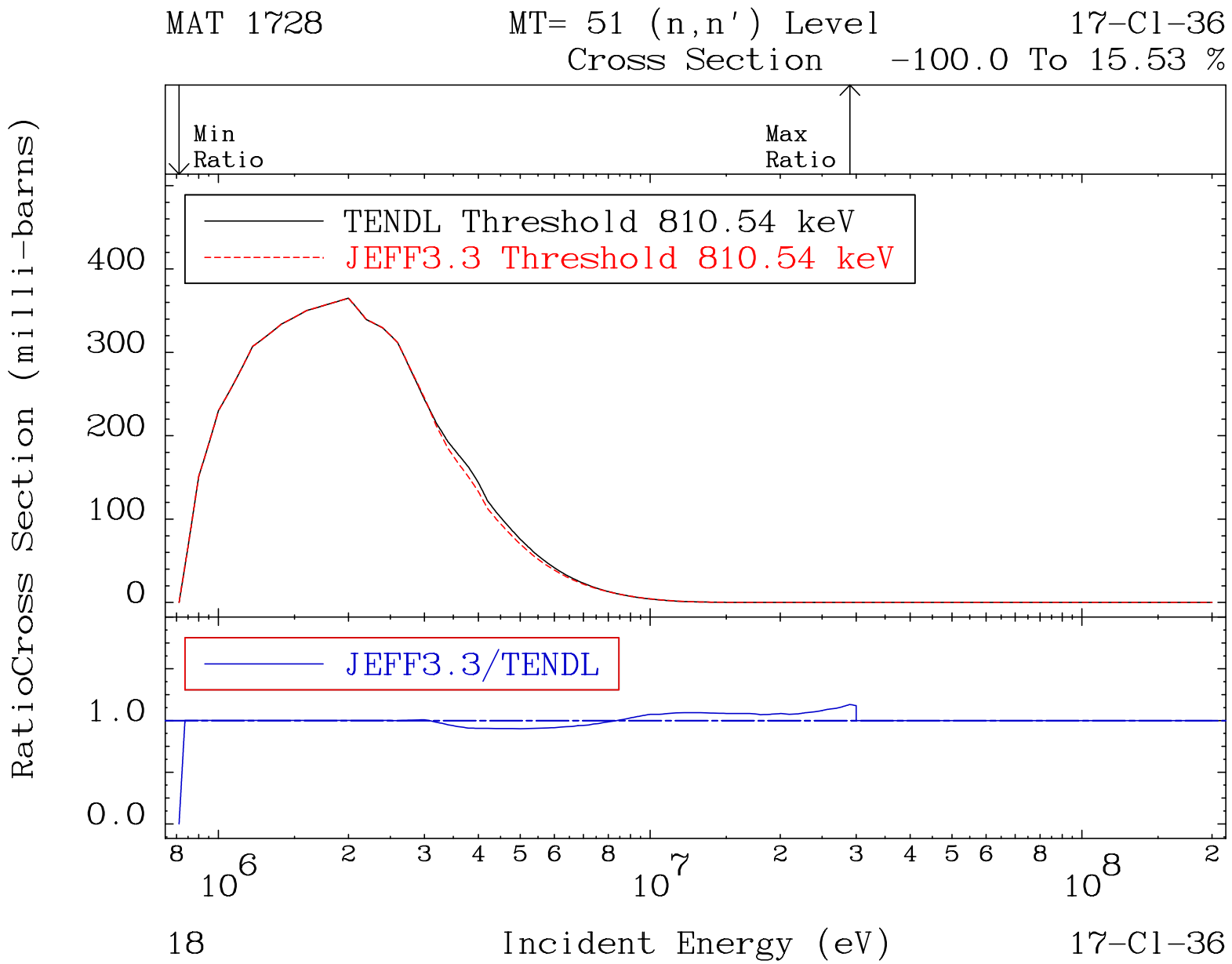

MAT 1728
(n,n') He-3
Cross Section
17-Cl-36
-100.0 To 54.10 %
Max
Ratio
TENDL Threshold 18.624 MeV
JEFF3.3 Threshold 18.624 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
6
5
4
3
2
1
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
17-Cl-36

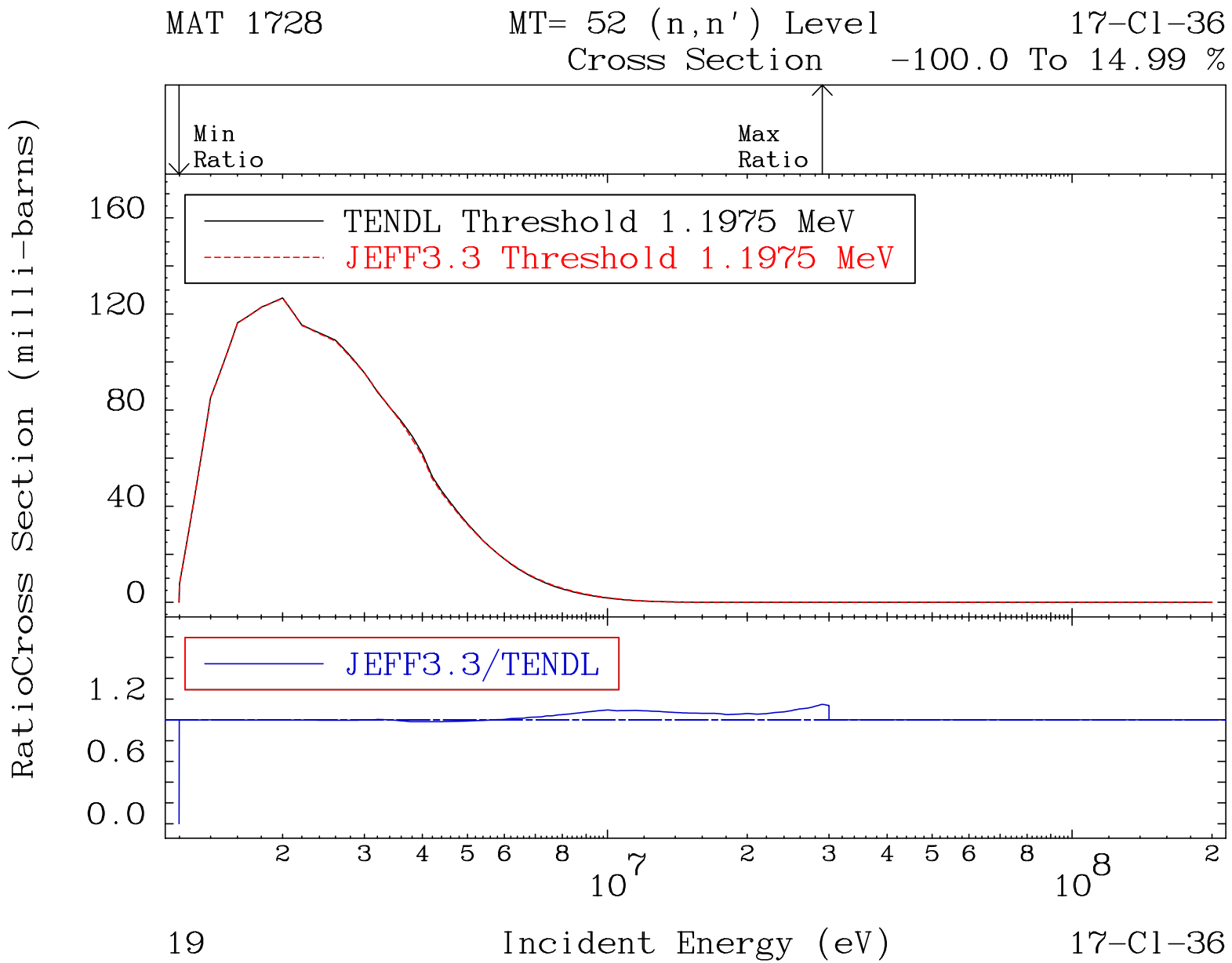

MAT 1728
(n,2n) p
17-Cl-36
Cross Section
-100.0 To 230.8 %
Max
Ratio
TENDL Threshold 15.370 MeV
JEFF3.3 Threshold 15.370 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
14
Incident Energy (eV)
17-Cl-36

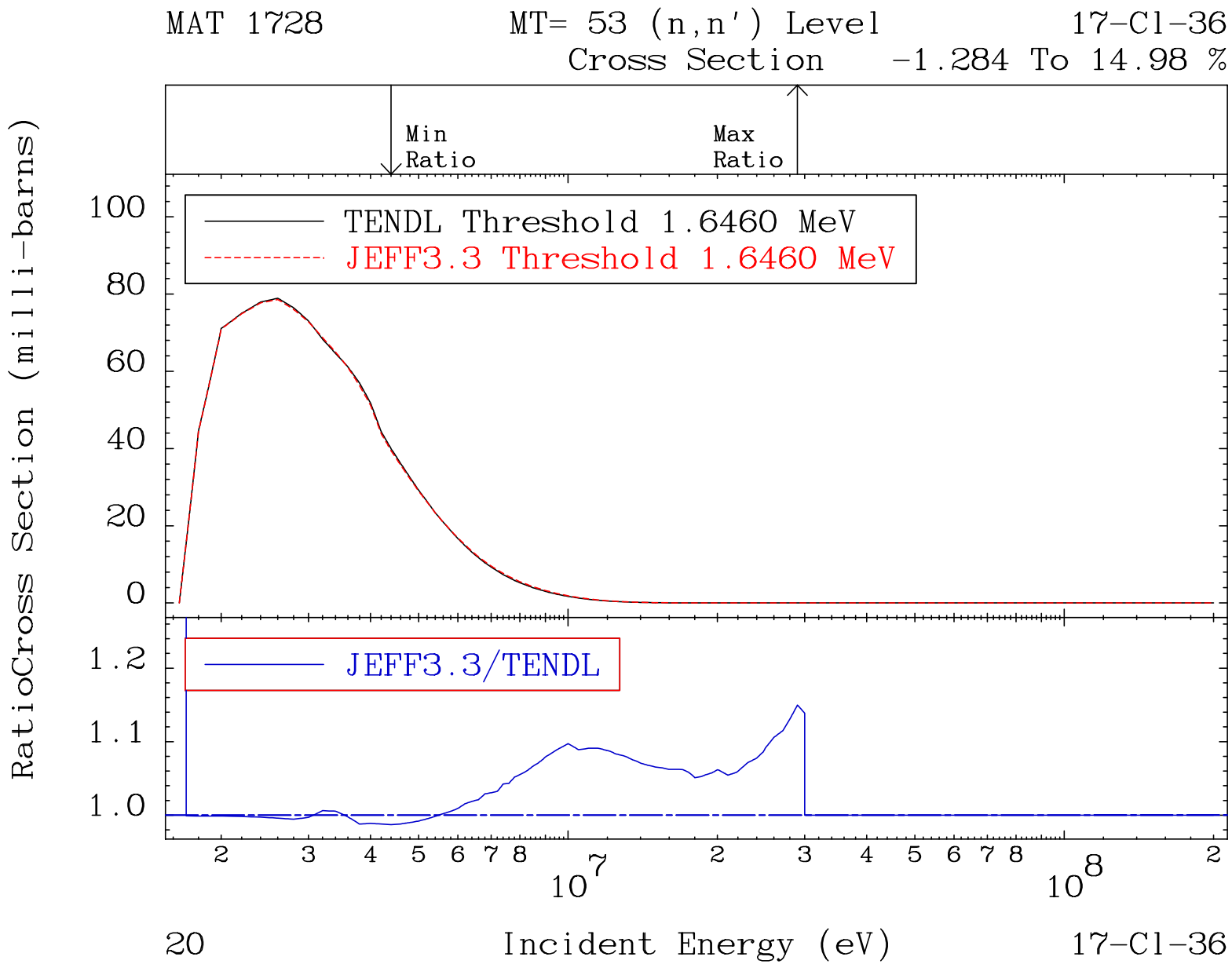

MAT 1728
(n,3n) p
17-Cl-36
Cross Section 0.000 To 1701. %
Min
Ratio
TENDL Threshold 27.107 MeV
JEFF3.3 Threshold 27.020 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
120
100
80
60
40
20
0
4
10^1
4
10^0
40
60
80
100
120
140
160
180
200
15
Incident Energy (MeV)
17-Cl-36

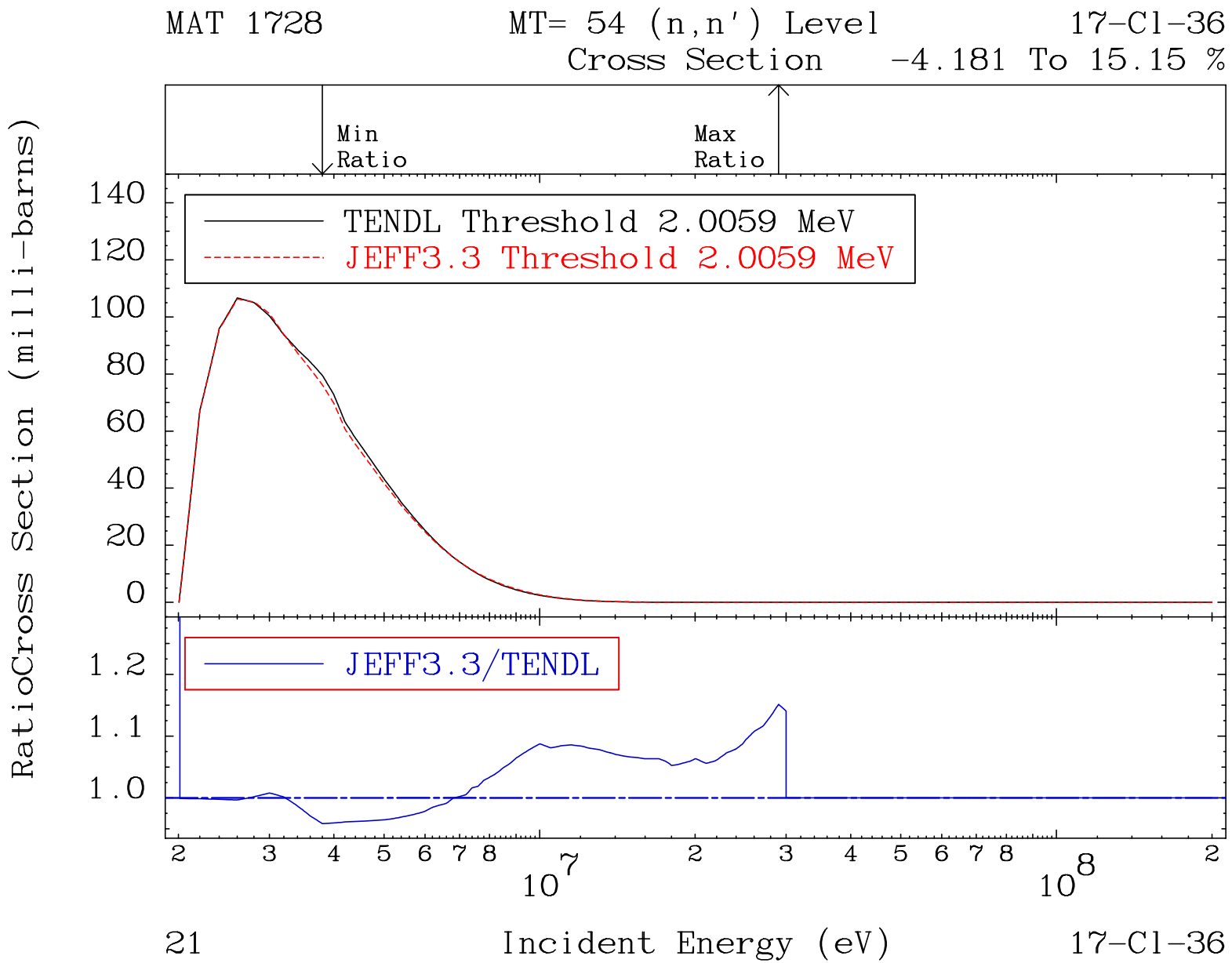

MAT 1728
(n,2n) p
17-Cl-36
Cross Section
-100.0 To 6201. %
Max
Ratio
TENDL Threshold 20.100 MeV
JEFF3.3 Threshold 20.100 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
80
40
0
20
40
60
80
100
120
140
160
180
200
16
Incident Energy (MeV)
17-Cl-36

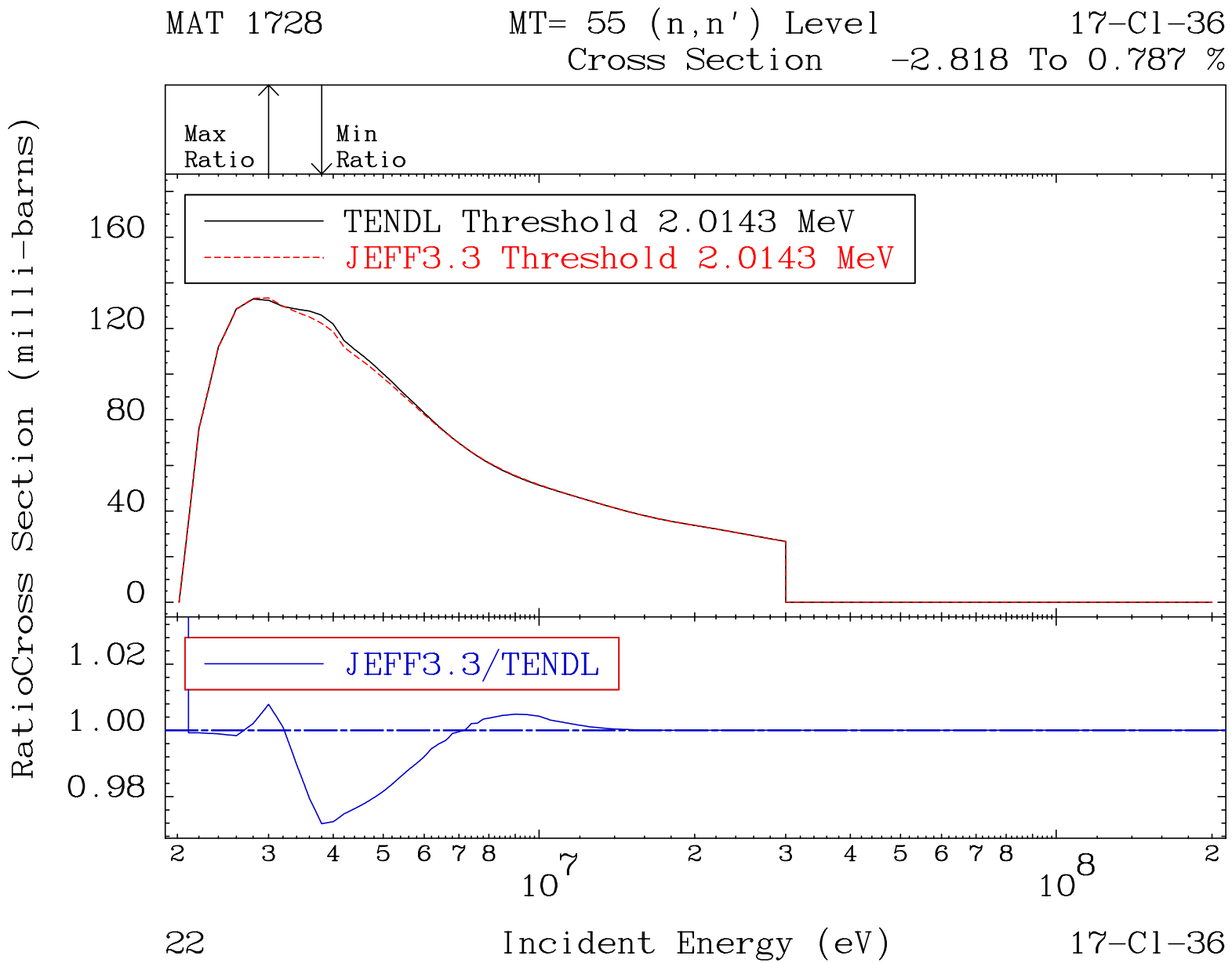

MAT 1728
(n,n') p α
17-Cl-36
Cross Section
-100.0 To 508.1 %
Max
Ratio
TENDL Threshold 16.744 MeV
JEFF3.3 Threshold 16.744 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
17
17-Cl-36
10^8

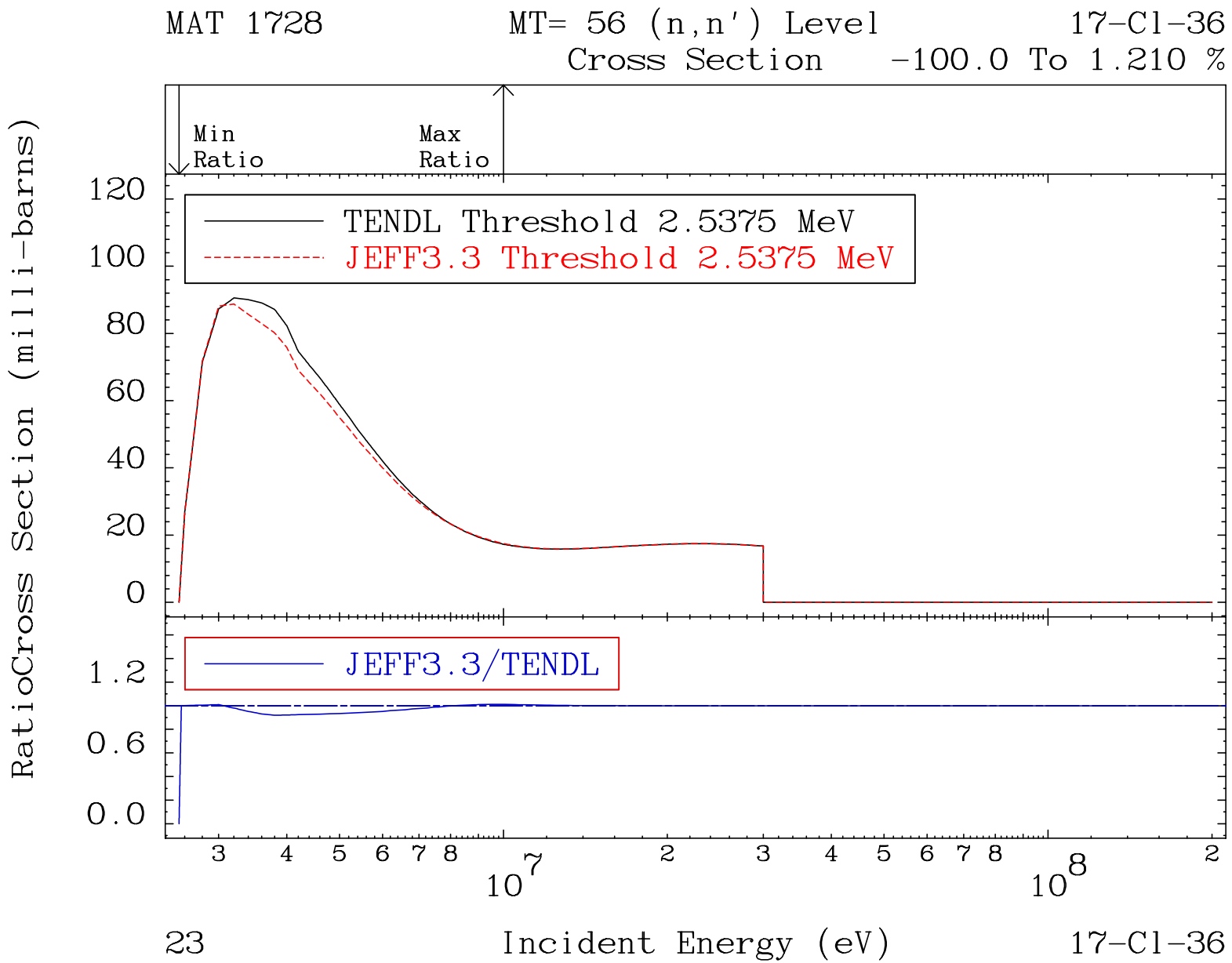

MAT 1728
MT= 51 (n,n') Level
17-Cl-36
Cross Section -100.0 To 15.53 %
Min Ratio
Max Ratio
TENDL Threshold 810.54 keV
JEFF3.3 Threshold 810.54 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
1.0
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
18
Incident Energy (eV)
17-Cl-36

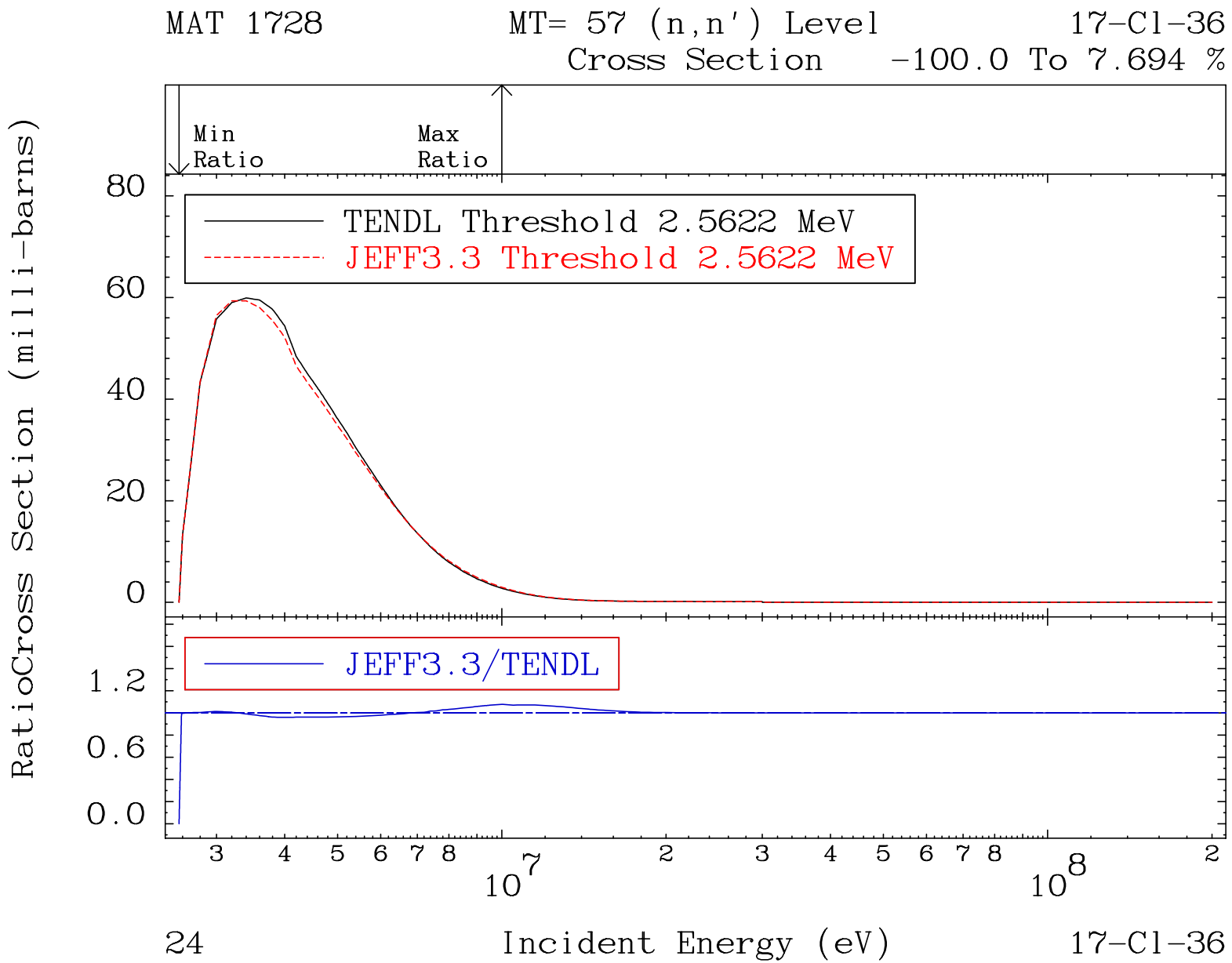

MAT 1728
MT= 52 (n,n') Level
17-Cl-36
Cross Section -100.0 To 14.99 %
Min Ratio
Max Ratio
TENDL Threshold 1.1975 MeV
JEFF3.3 Threshold 1.1975 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.2
0.6
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
19
Incident Energy (eV)
17-Cl-36

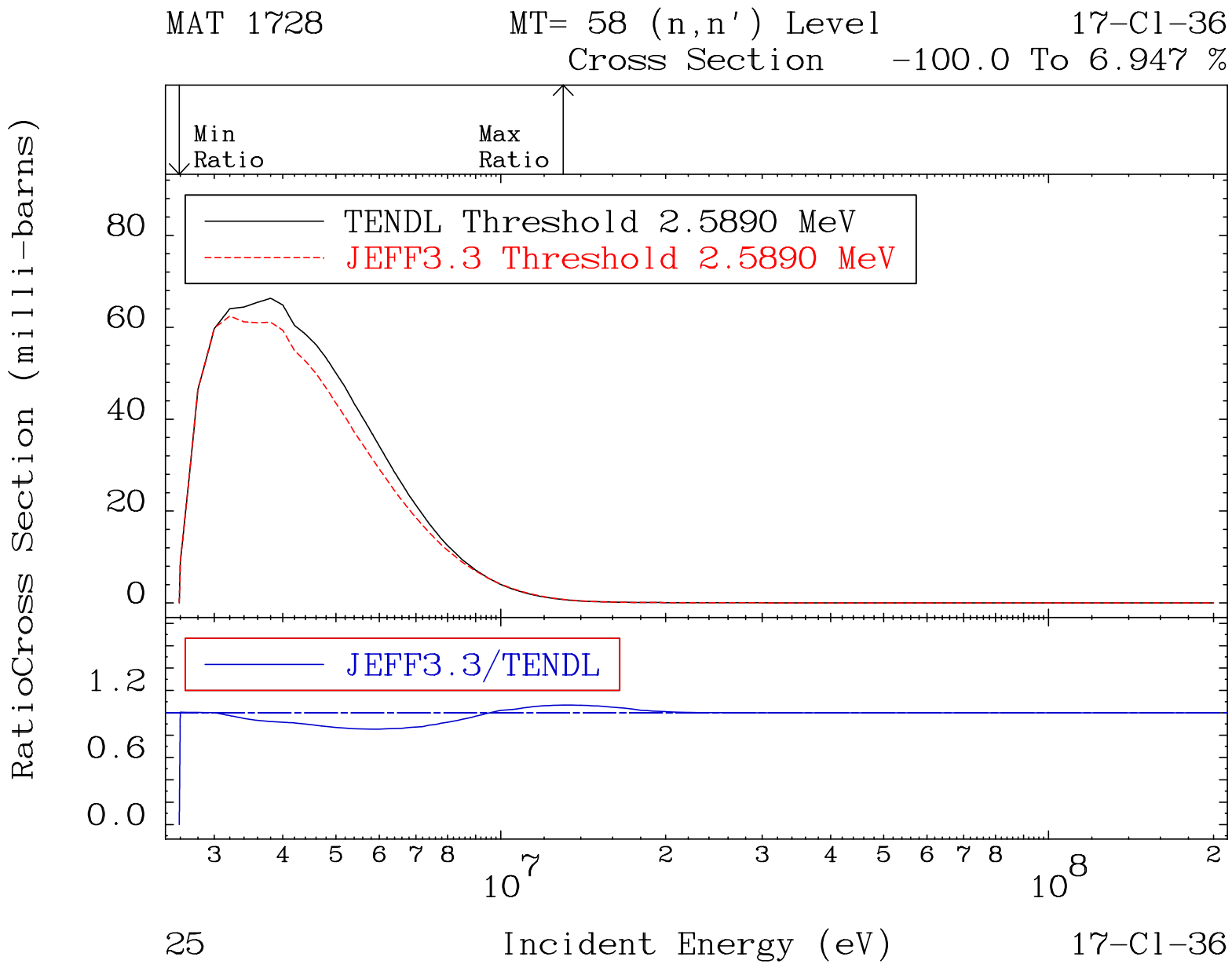

MAT 1728
MT= 53 (n,n') Level
17-Cl-36
Cross Section -1.284 To 14.98 %
Min Ratio
Max Ratio
TENDL Threshold 1.6460 MeV
JEFF3.3 Threshold 1.6460 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
1.1
1.0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
17-Cl-36

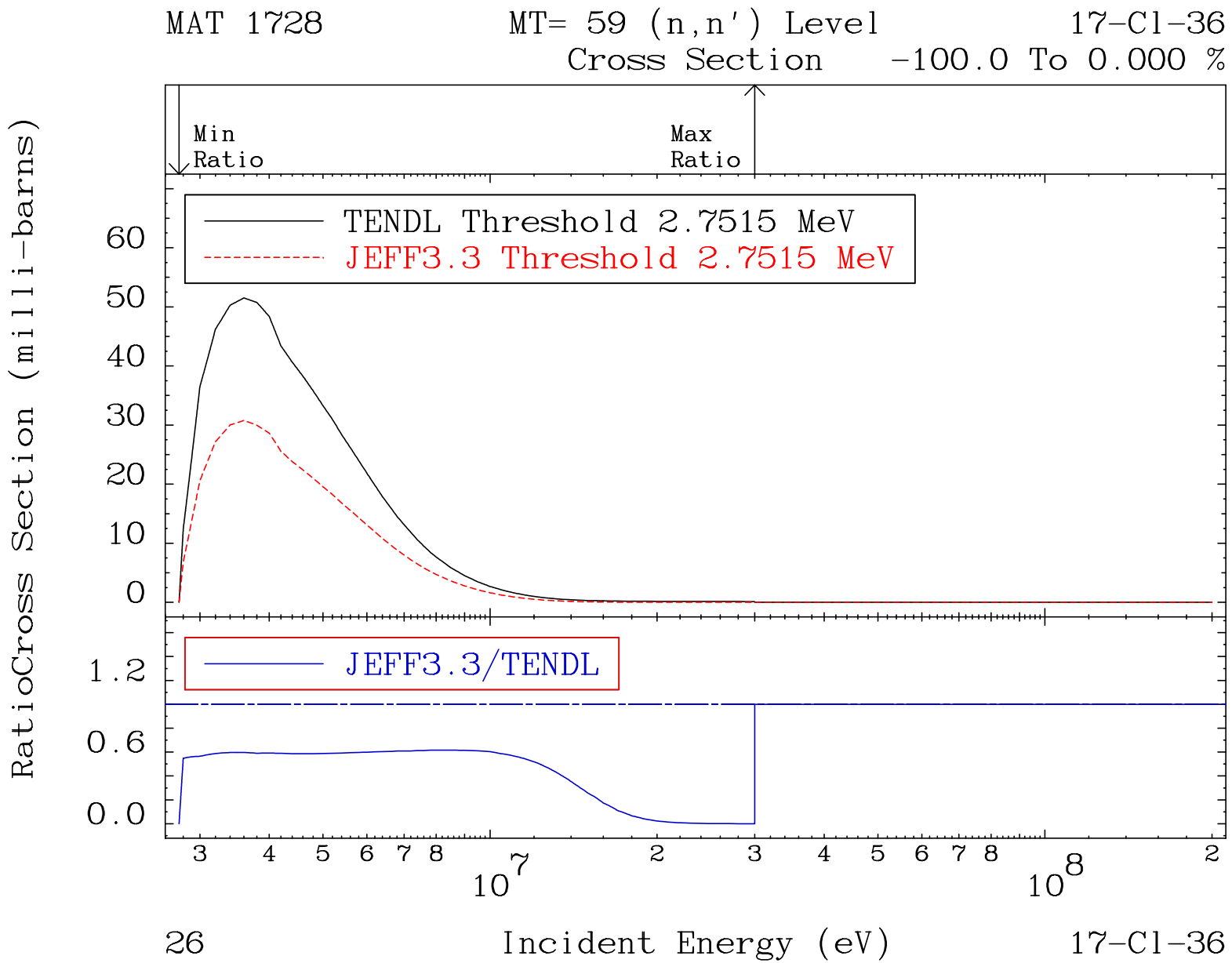

MAT 1728
MT= 54 (n,n') Level
17-Cl-36
Cross Section -4.181 To 15.15 %
Min Ratio
Max Ratio
TENDL Threshold 2.0059 MeV
JEFF3.3 Threshold 2.0059 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
1.2
1.1
1.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
17-Cl-36

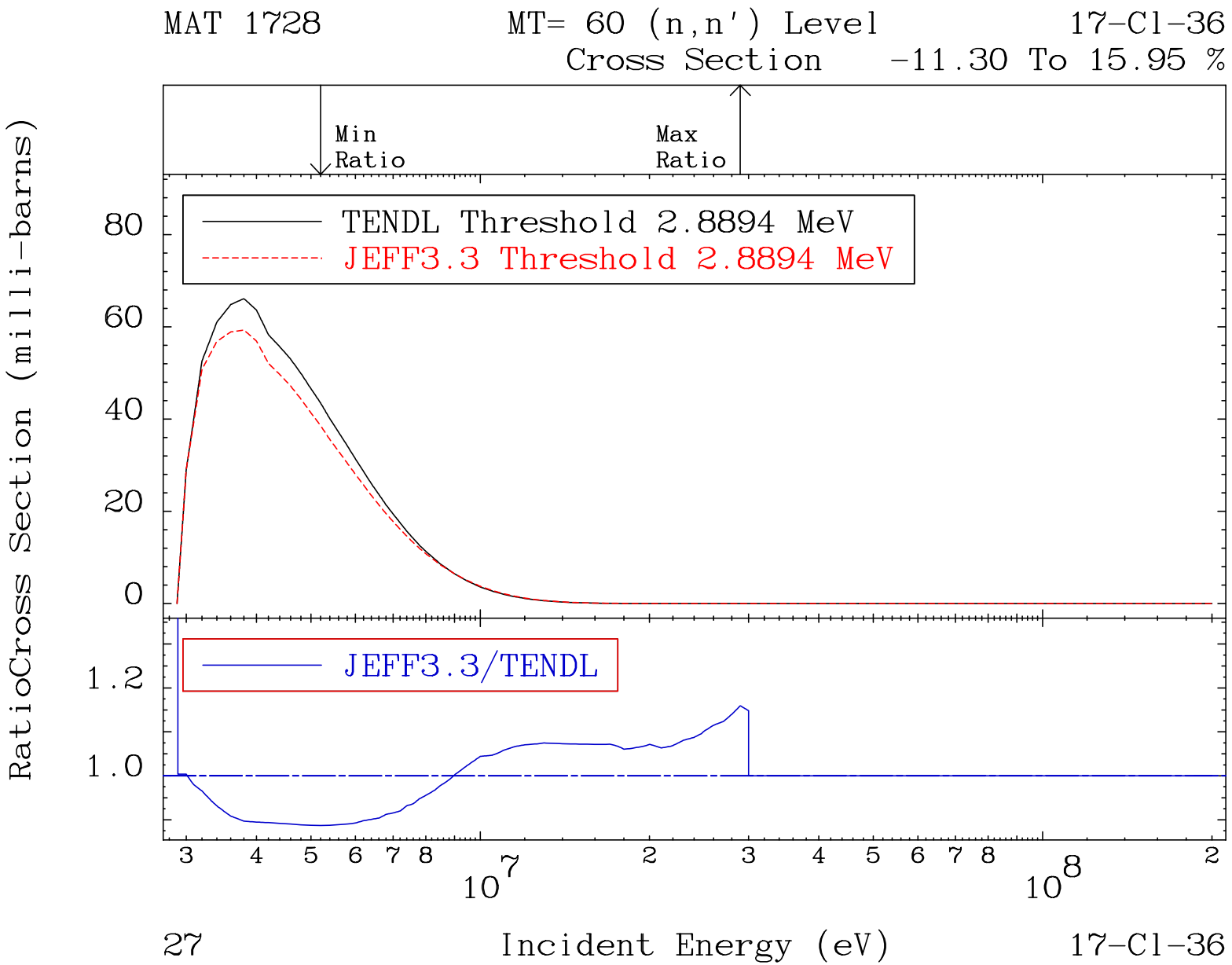

MAT 1728
MT= 55 (n,n') Level
17-Cl-36
Cross Section -2.818 To 0.787 %
Max Ratio
Min Ratio
TENDL Threshold 2.0143 MeV
JEFF3.3 Threshold 2.0143 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.02
1.00
0.98
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
17-Cl-36

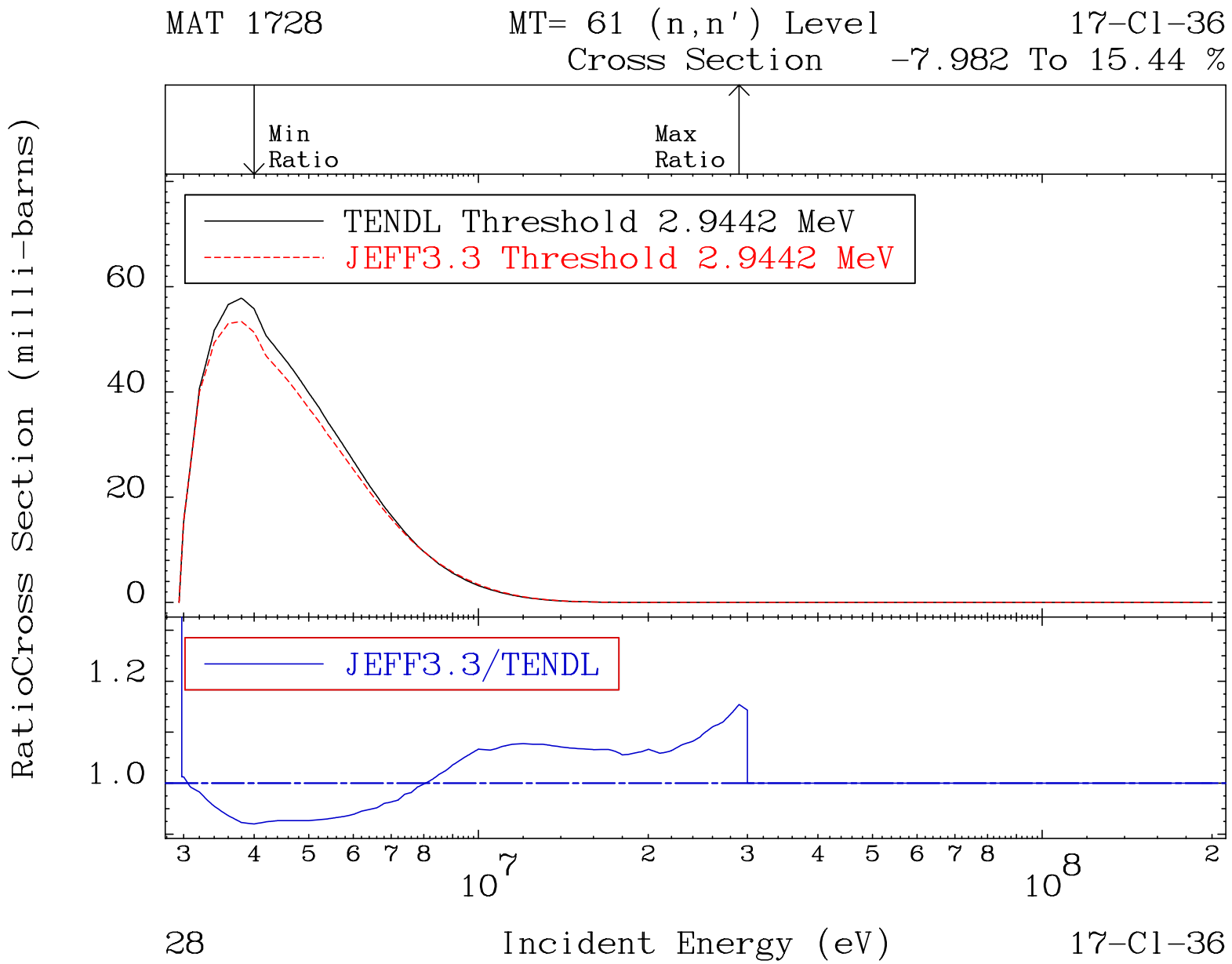

MAT 1728
MT= 56 (n,n') Level
17-Cl-36
Cross Section -100.0 To 1.210 %
Min Ratio
Max Ratio
TENDL Threshold 2.5375 MeV
JEFF3.3 Threshold 2.5375 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
17-Cl-36

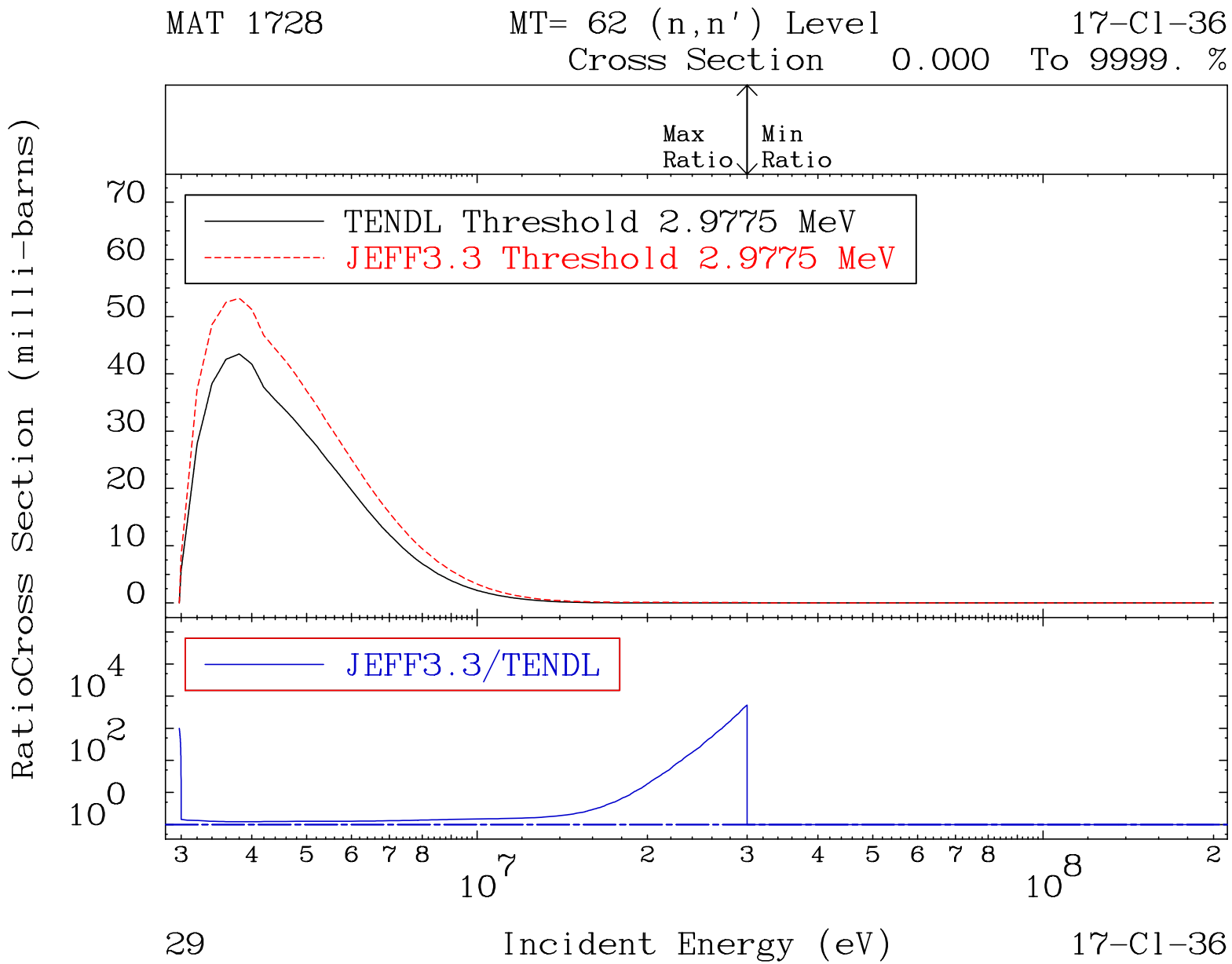

MAT 1728
MT= 57 (n,n') Level
17-Cl-36
Cross Section -100.0 To 7.694 %
Min Ratio
Max Ratio
TENDL Threshold 2.5622 MeV
JEFF3.3 Threshold 2.5622 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
24
Incident Energy (eV)
17-Cl-36

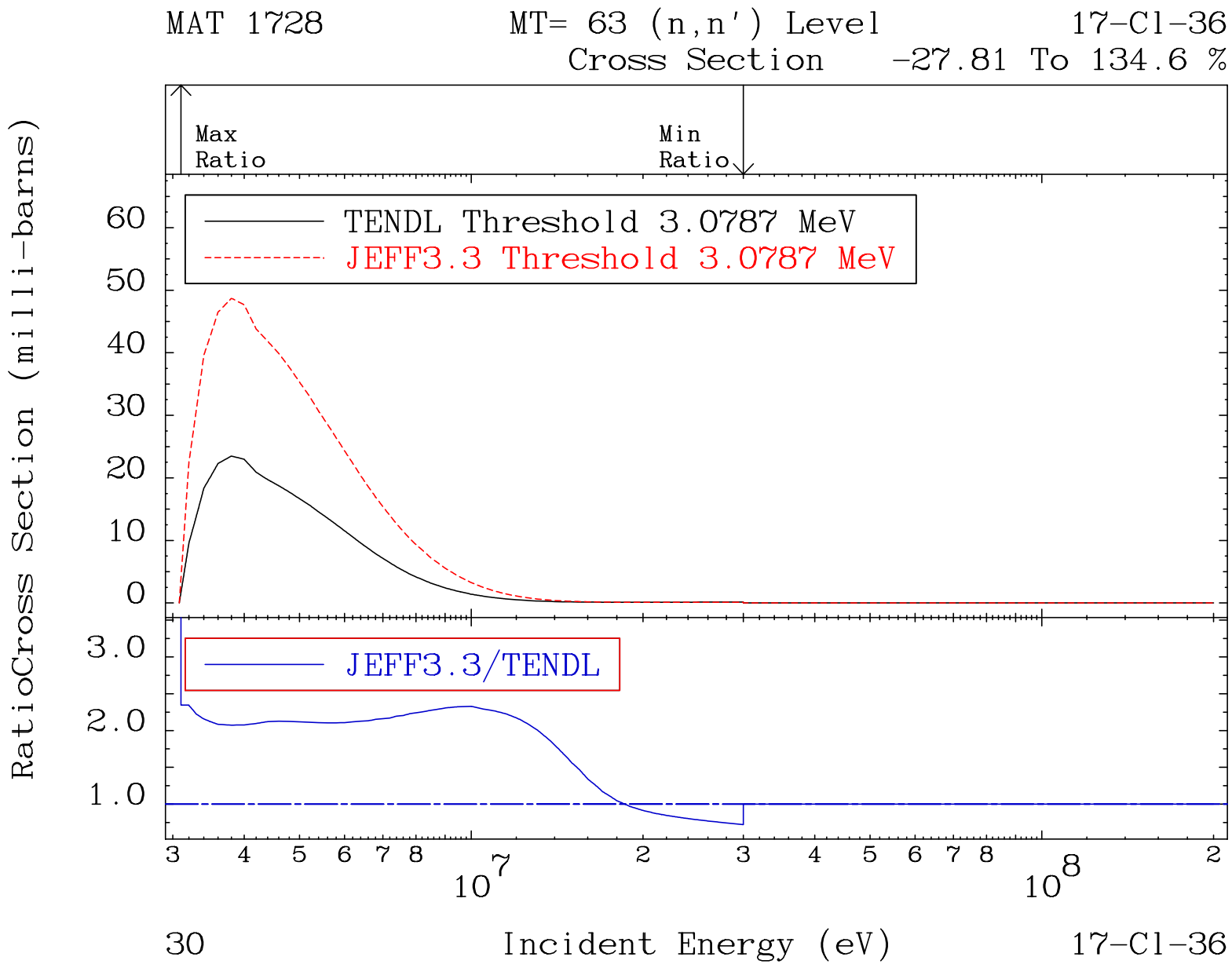

MAT 1728
MT= 58 (n,n') Level
17-Cl-36
Cross Section -100.0 To 6.947 %
Min Ratio
Max Ratio
TENDL Threshold 2.5890 MeV
JEFF3.3 Threshold 2.5890 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
25
Incident Energy (eV)
17-Cl-36

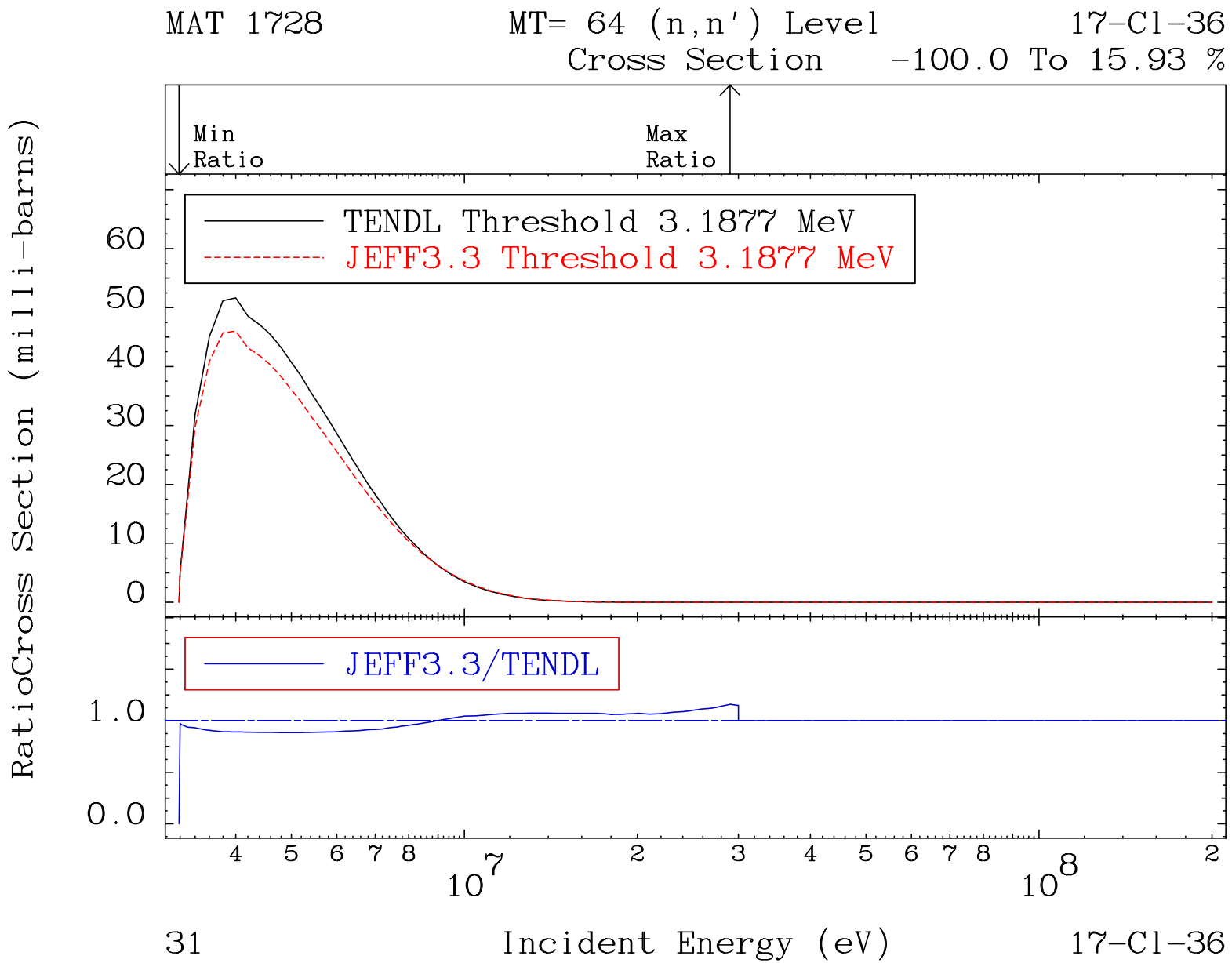

MAT 1728
MT= 59 (n,n') Level
17-Cl-36
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.7515 MeV
JEFF3.3 Threshold 2.7515 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
26
Incident Energy (eV)
17-Cl-36

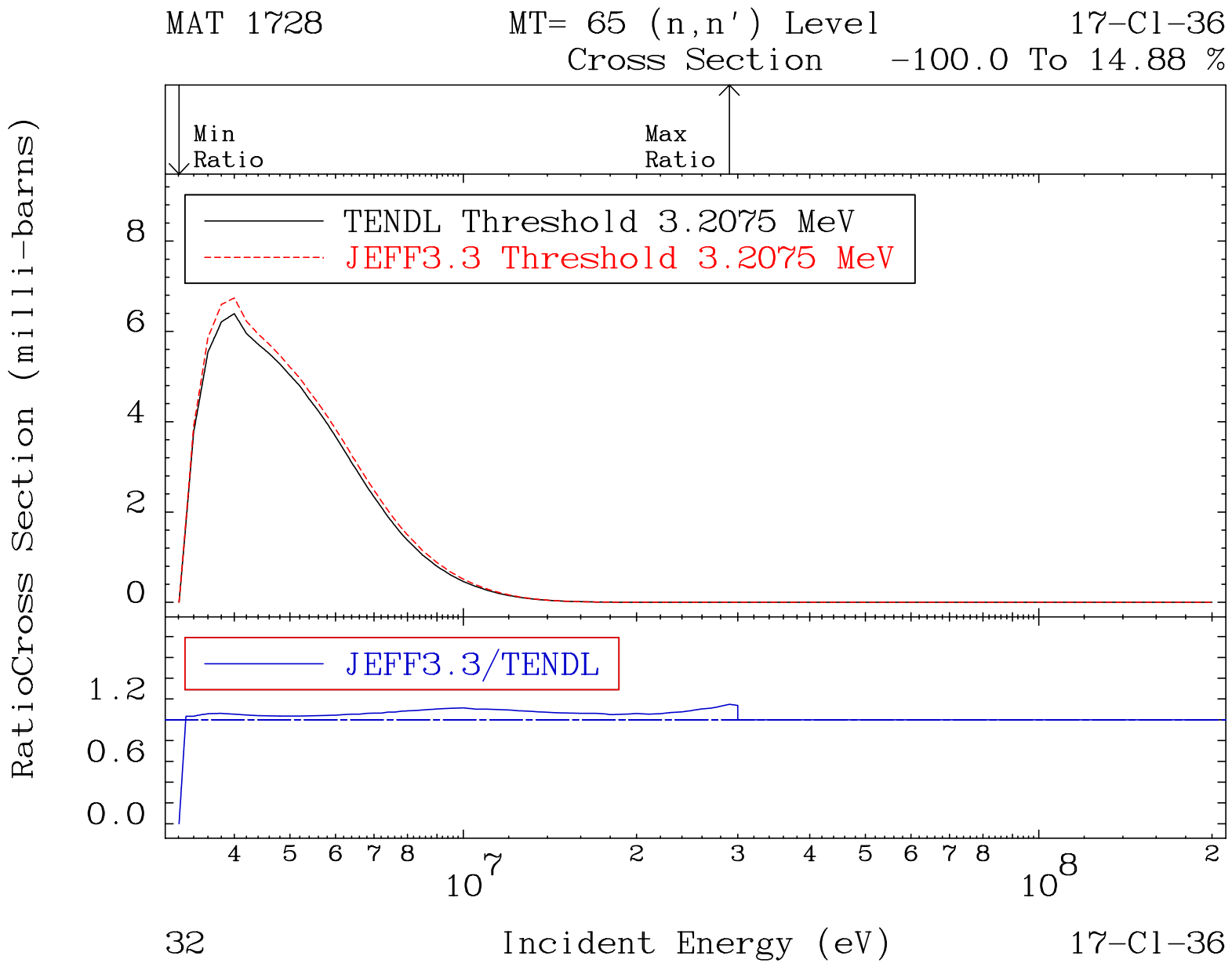

MAT 1728
MT= 60 (n,n') Level
17-Cl-36
Cross Section -11.30 To 15.95 %
Min Ratio
Max Ratio
TENDL Threshold 2.8894 MeV
JEFF3.3 Threshold 2.8894 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
1.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
27
Incident Energy (eV)
17-Cl-36

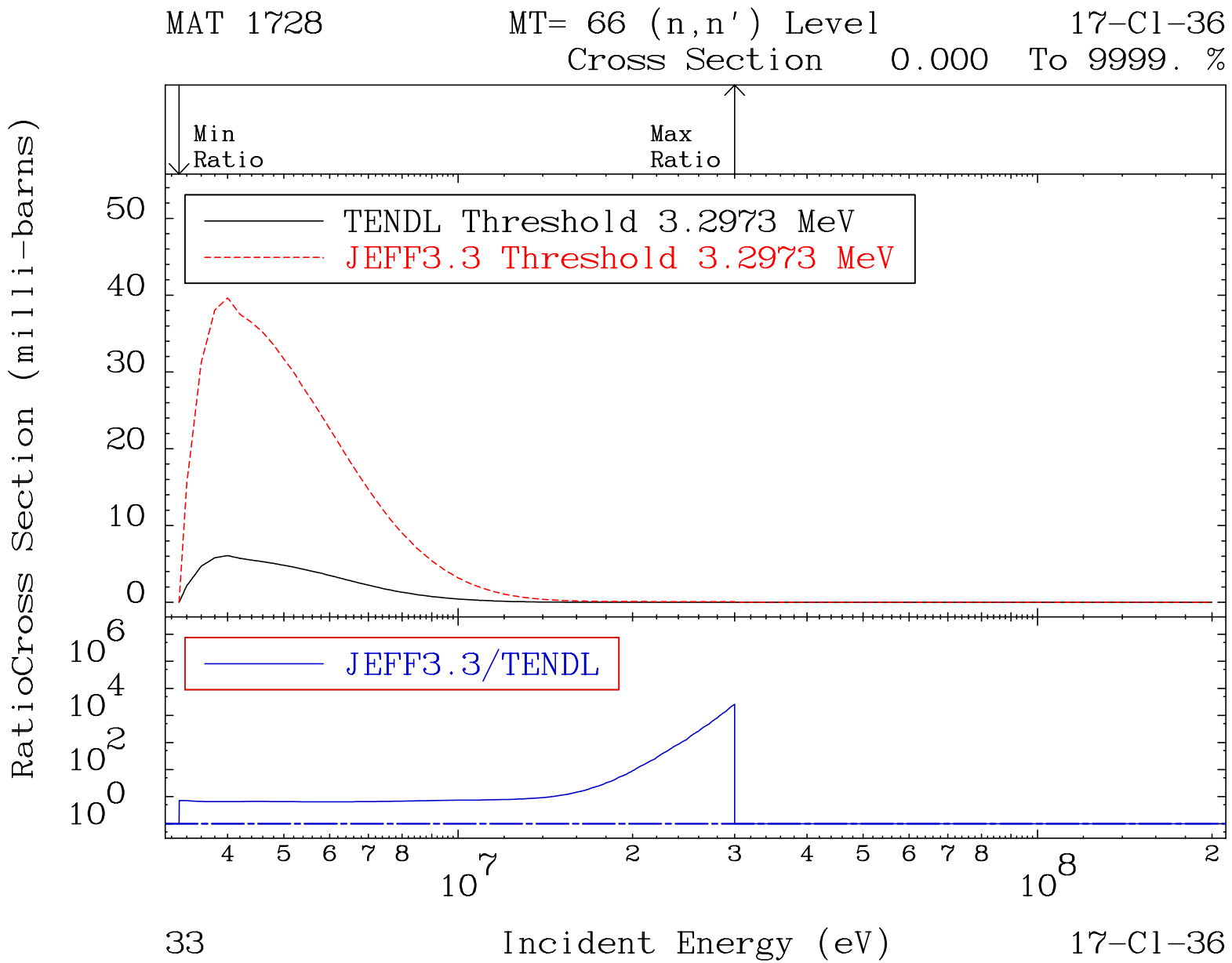

MAT 1728
MT= 61 (n,n') Level
17-Cl-36
Cross Section
-7.982 To 15.44 %
Min Ratio
Max Ratio
TENDL Threshold 2.9442 MeV
JEFF3.3 Threshold 2.9442 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
40
20
0
1.2
1.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
17-Cl-36

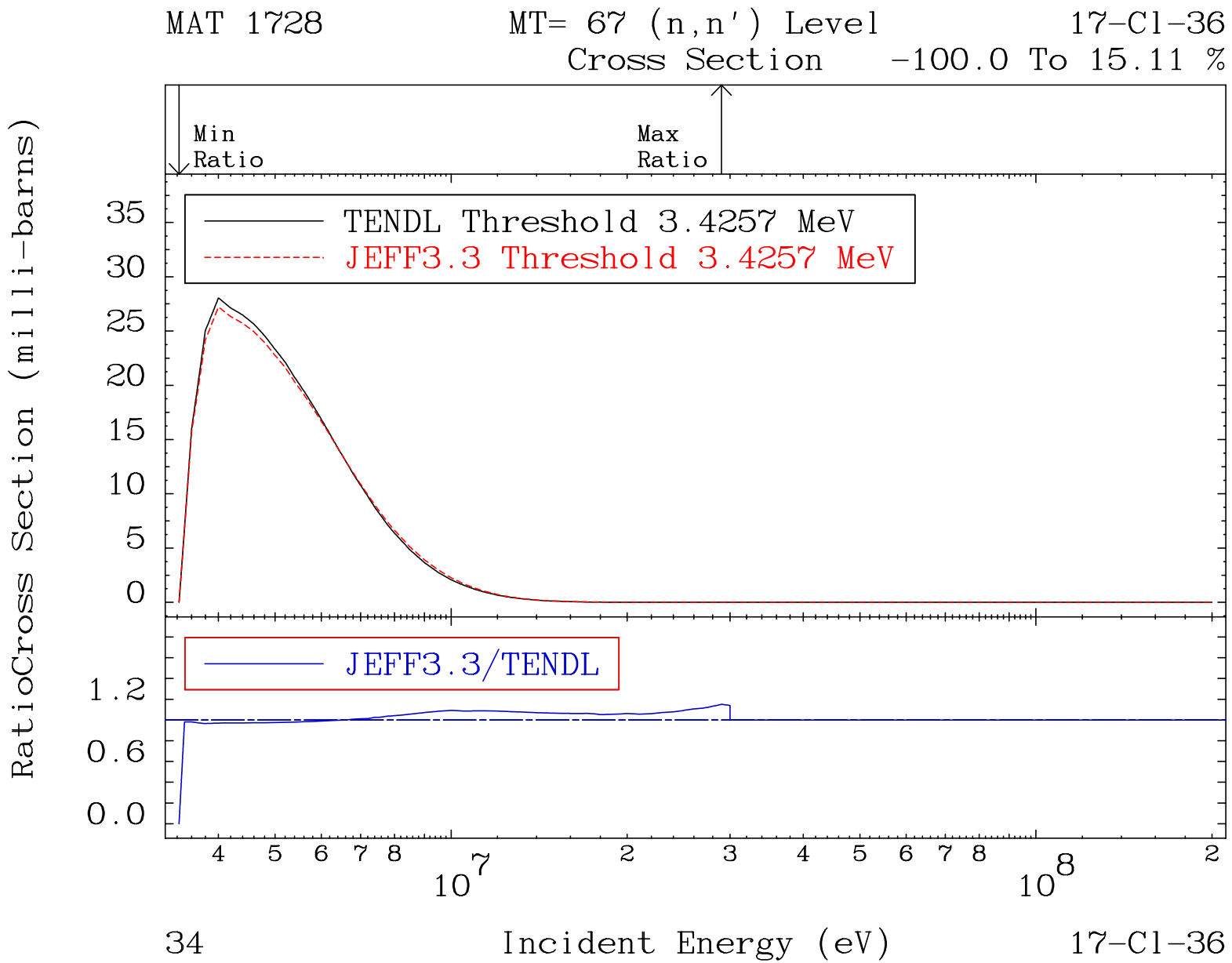

MAT 1728
MT= 62 (n,n') Level
17-Cl-36
Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.9775 MeV
JEFF3.3 Threshold 2.9775 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
29
17-Cl-36

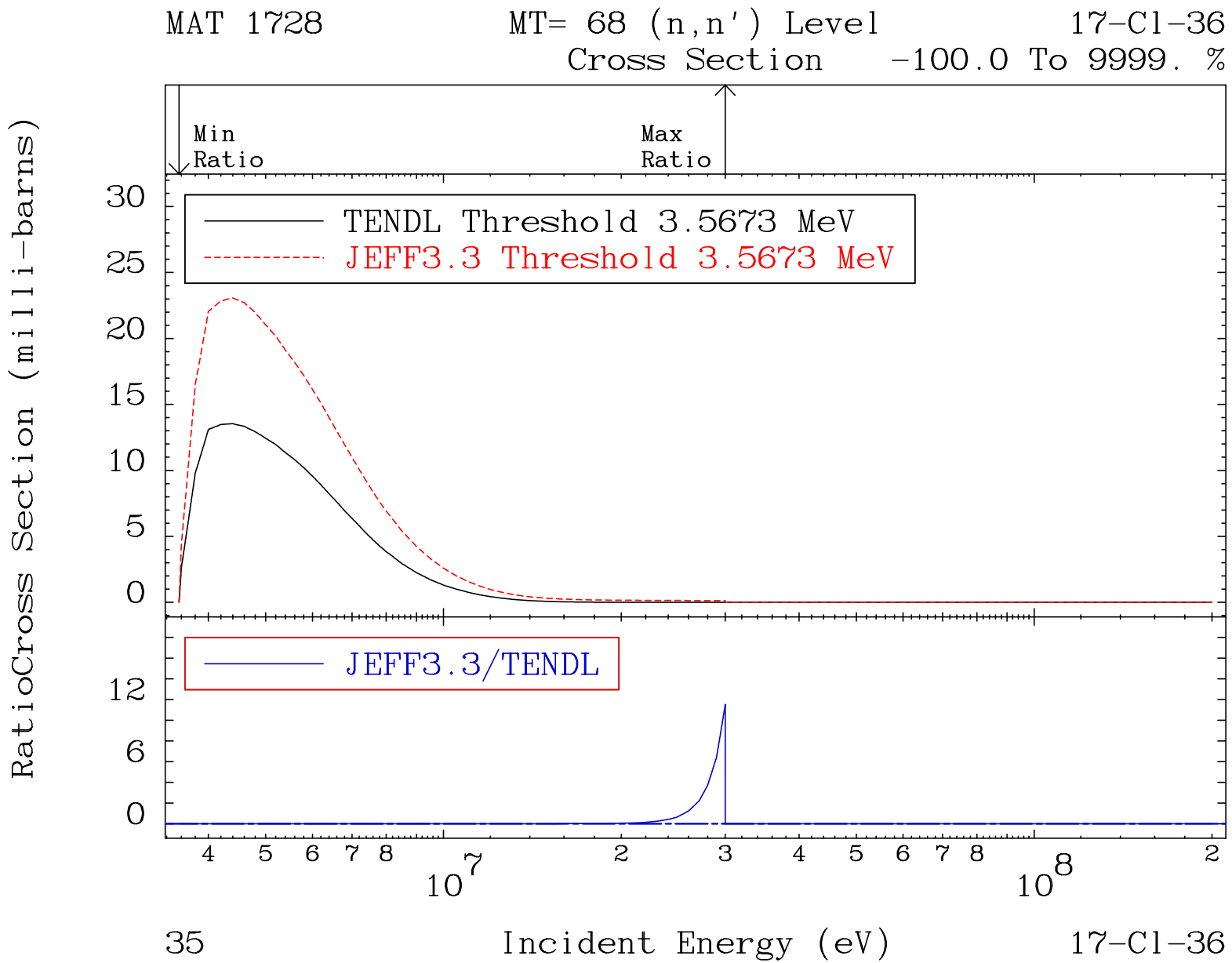

MAT 1728
MT= 63 (n,n') Level
17-Cl-36
Cross Section -27.81 To 134.6 %
Max Ratio
Min Ratio
TENDL Threshold 3.0787 MeV
JEFF3.3 Threshold 3.0787 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
3.0
2.0
1.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
30
Incident Energy (eV)
17-Cl-36

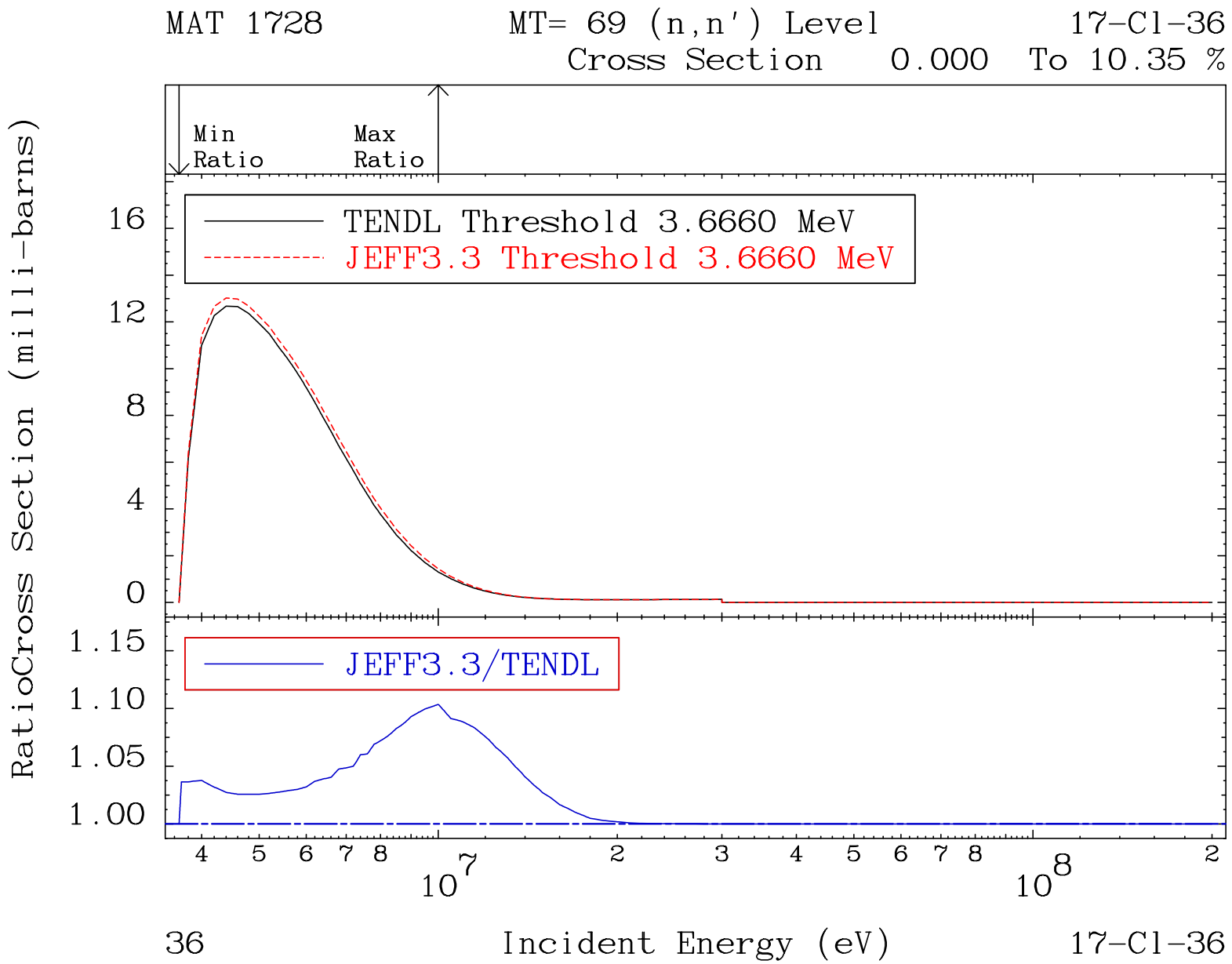

MAT 1728
MT= 64 (n,n') Level
17-Cl-36
Cross Section -100.0 To 15.93 %
Min Ratio
Max Ratio
TENDL Threshold 3.1877 MeV
JEFF3.3 Threshold 3.1877 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.0
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
31
Incident Energy (eV)
17-Cl-36

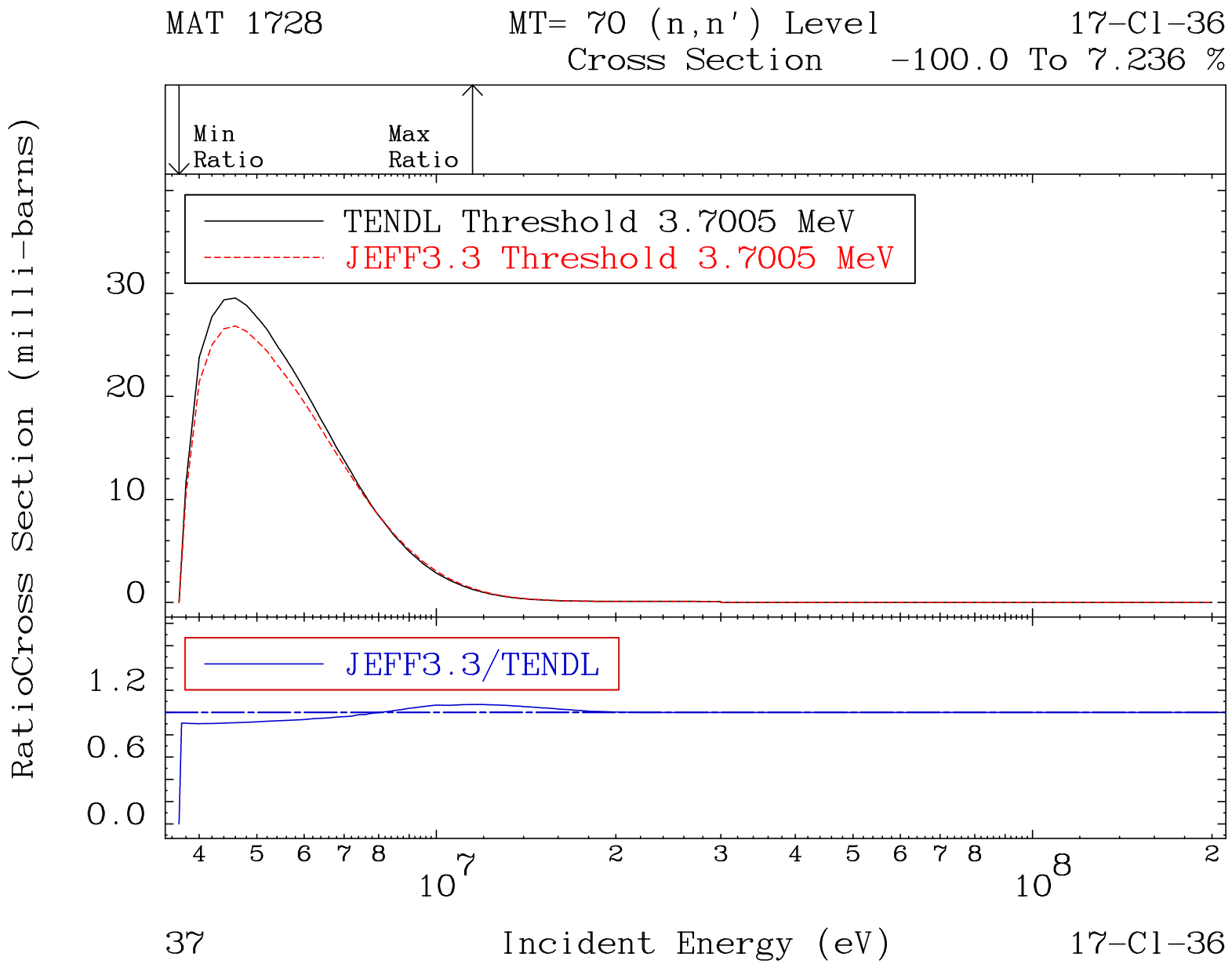

MAT 1728
MT= 65 (n,n') Level
17-Cl-36
Cross Section
-100.0 To 14.88 %
Min Ratio
Max Ratio
TENDL Threshold 3.2075 MeV
JEFF3.3 Threshold 3.2075 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
32
17-Cl-36

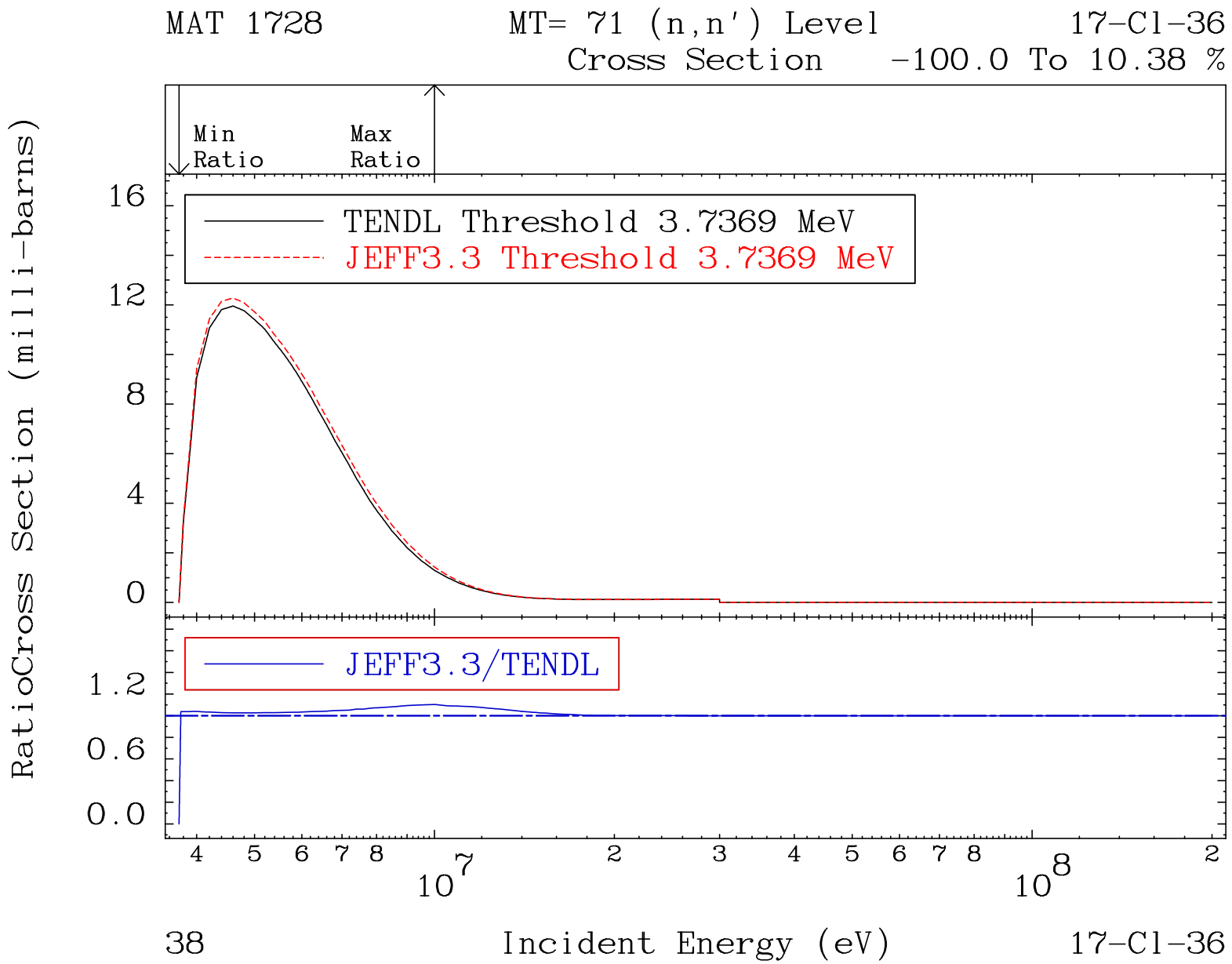

MAT 1728
MT= 66 (n,n') Level
17-Cl-36
Cross Section 0.000 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.2973 MeV
JEFF3.3 Threshold 3.2973 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
33
17-Cl-36

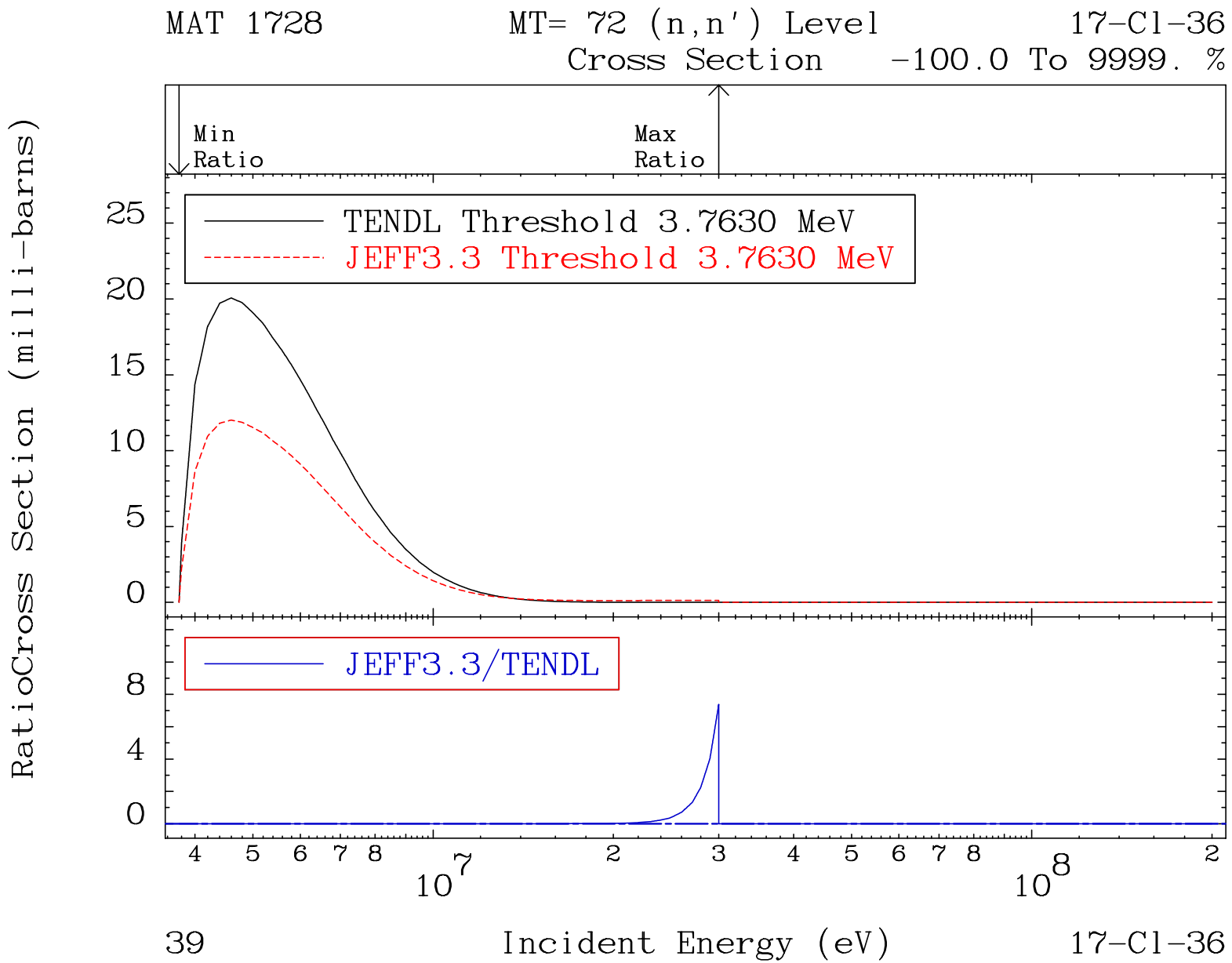

MAT 1728
MT= 67 (n,n') Level
17-Cl-36
Cross Section -100.0 To 15.11 %
Min Ratio
Max Ratio
TENDL Threshold 3.4257 MeV
JEFF3.3 Threshold 3.4257 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
1.2
0.6
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
17-Cl-36

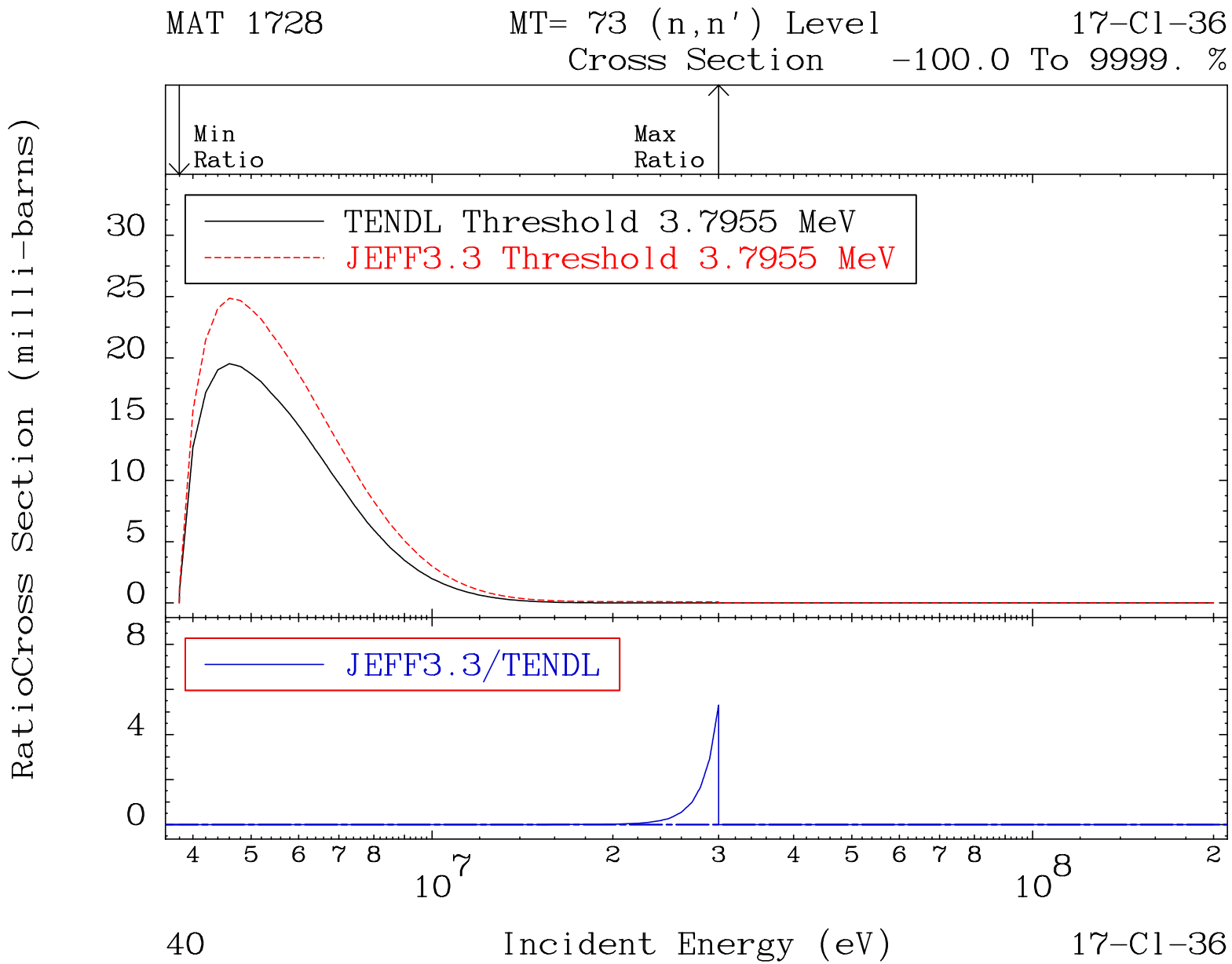

MAT 1728
MT= 68 (n,n') Level
17-Cl-36
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.5673 MeV
JEFF3.3 Threshold 3.5673 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
12
6
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
17-Cl-36

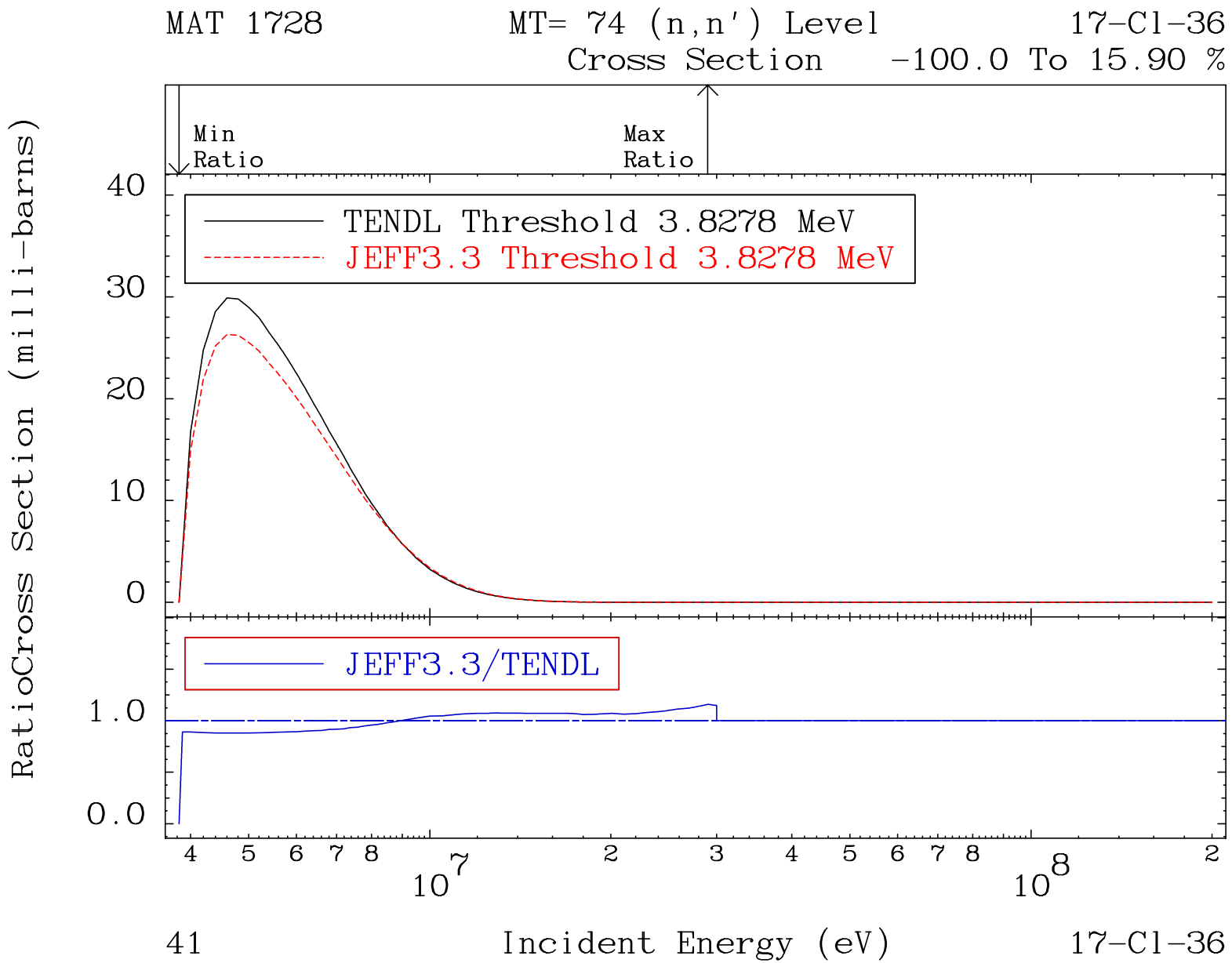

MAT 1728
MT= 69 (n,n') Level
17-Cl-36
Cross Section 0.000 To 10.35 %
Min Ratio
Max Ratio
TENDL Threshold 3.6660 MeV
JEFF3.3 Threshold 3.6660 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
1.15
1.10
1.05
1.00
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
36
Incident Energy (eV)
17-Cl-36

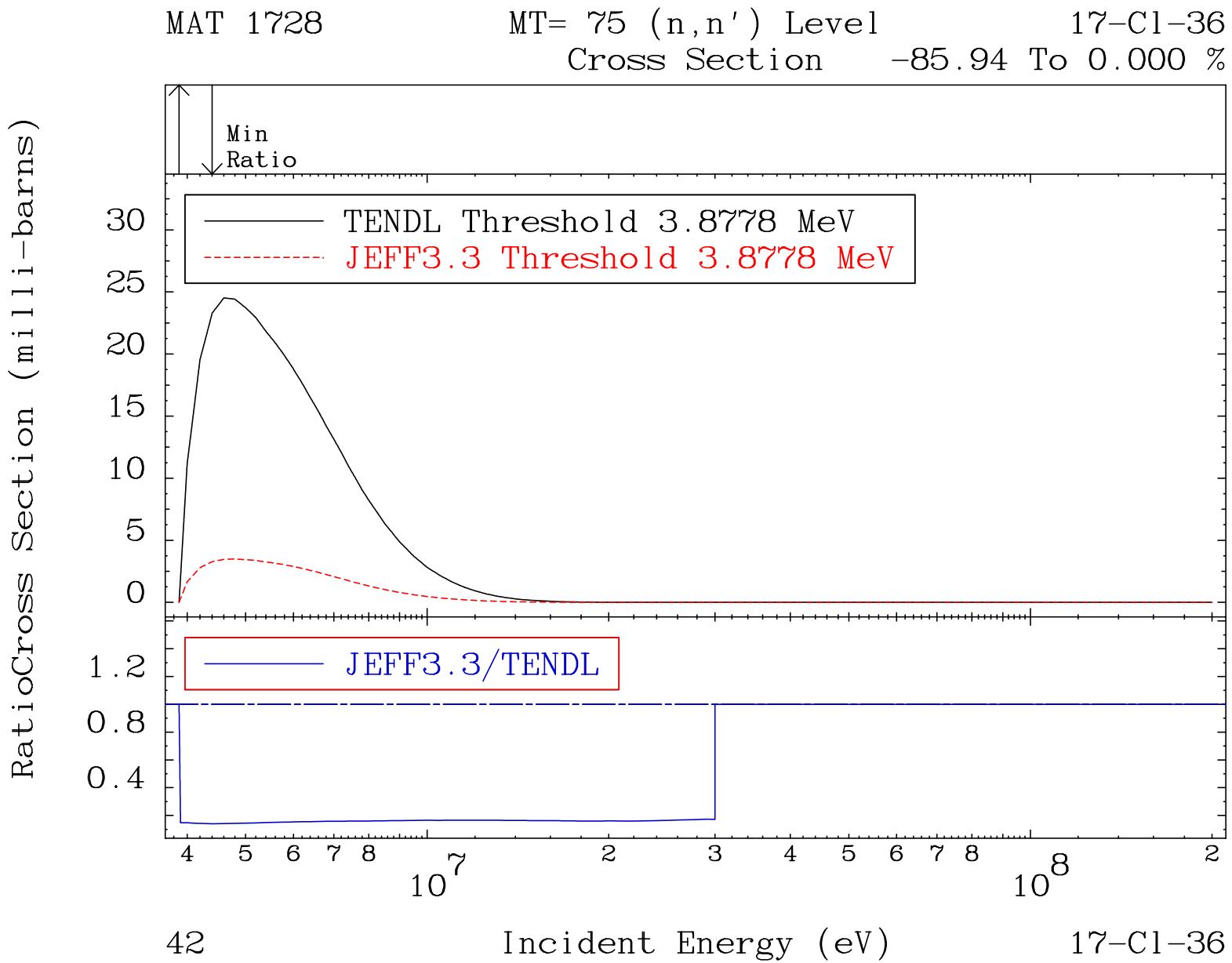

MAT 1728
MT= 70 (n,n') Level
17-Cl-36
Cross Section -100.0 To 7.236 %
Min Ratio
Max Ratio
TENDL Threshold 3.7005 MeV
JEFF3.3 Threshold 3.7005 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
20
10
0
1.2
0.6
0.0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
37
Incident Energy (eV)
17-Cl-36

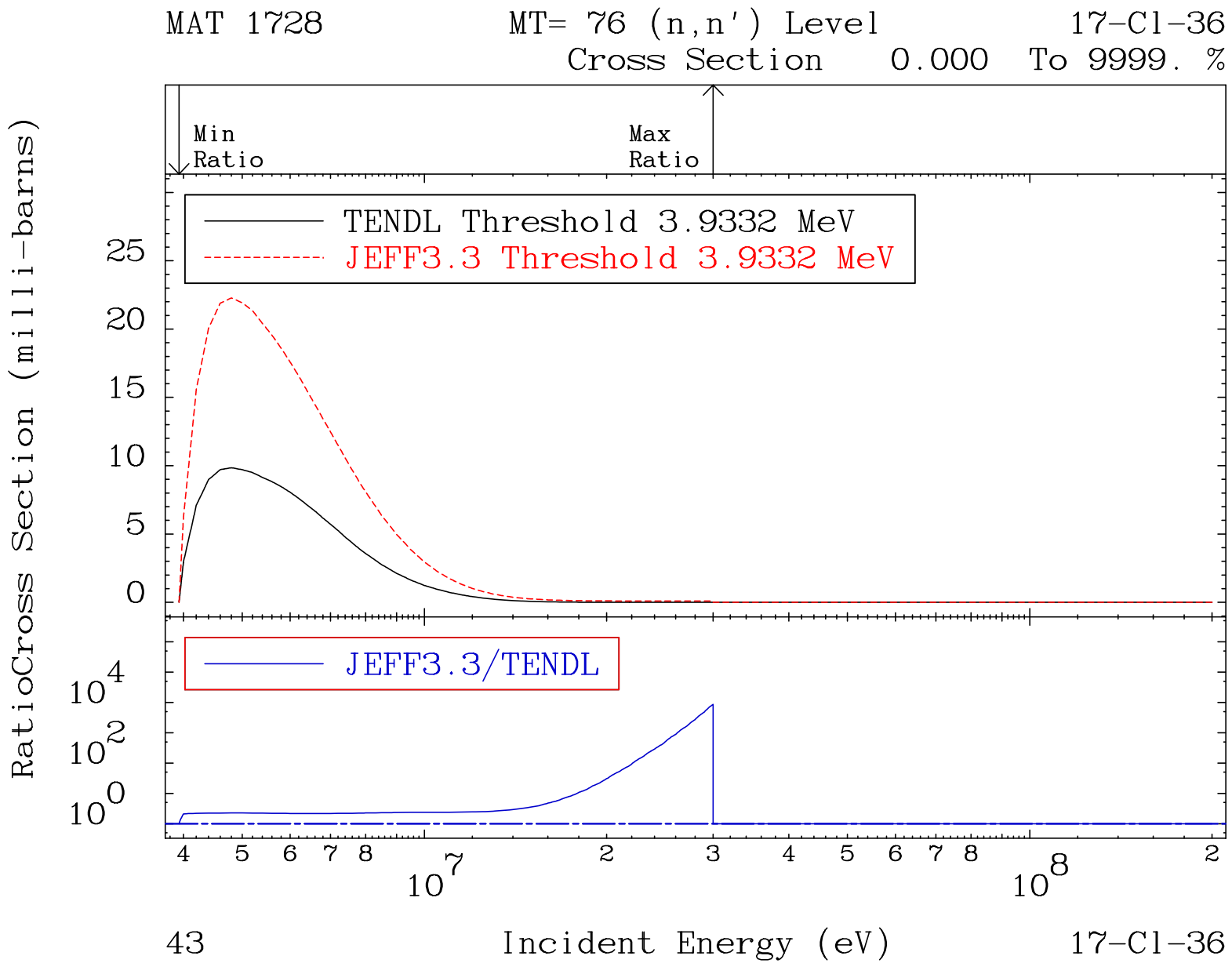

MAT 1728
MT= 71 (n,n') Level
17-Cl-36
Cross Section -100.0 To 10.38 %
Min Ratio
Max Ratio
TENDL Threshold 3.7369 MeV
JEFF3.3 Threshold 3.7369 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
1.2
0.6
0.0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
38
Incident Energy (eV)
17-Cl-36

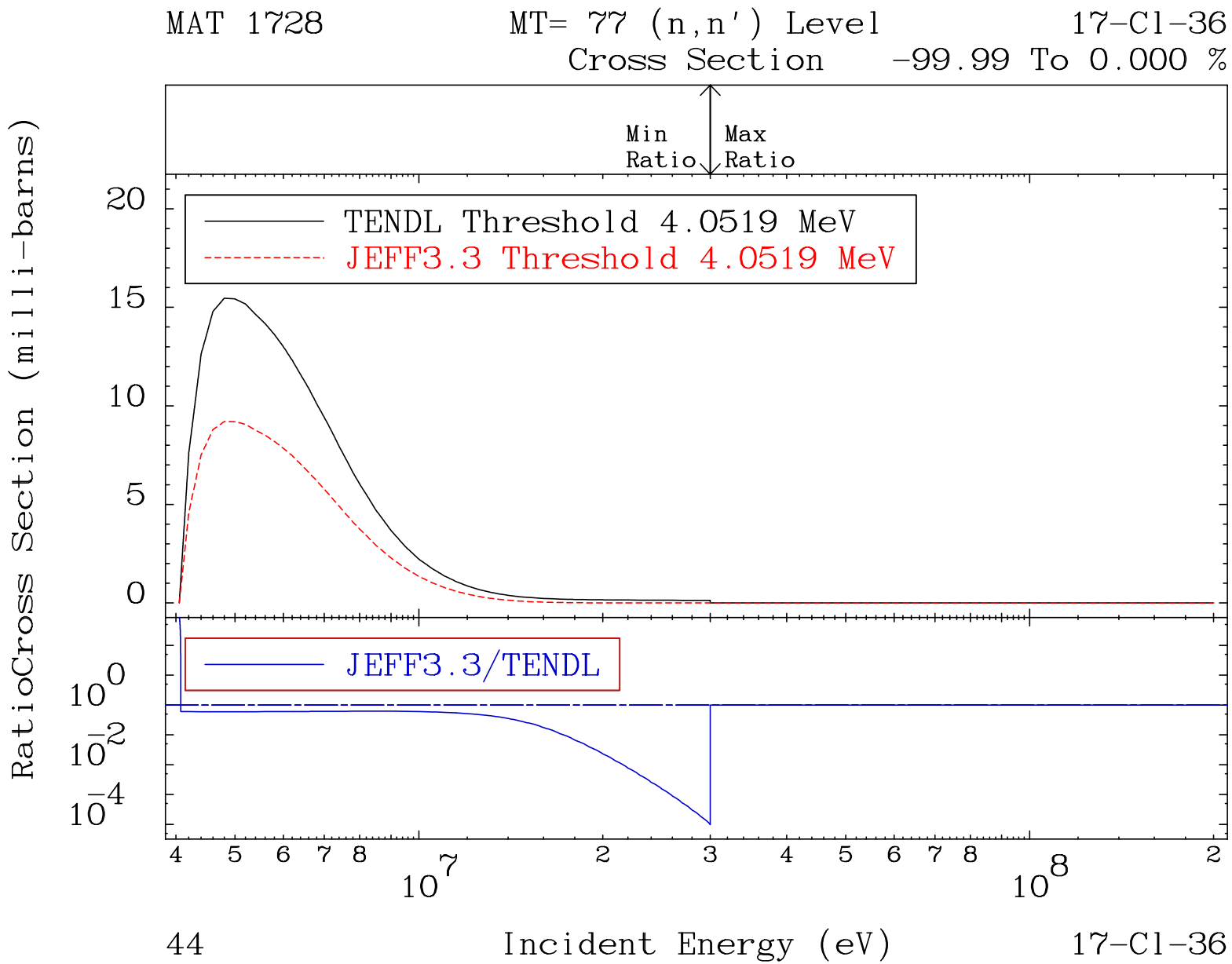

MAT 1728
MT= 72 (n,n') Level
17-Cl-36
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.7630 MeV
JEFF3.3 Threshold 3.7630 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
39
17-Cl-36

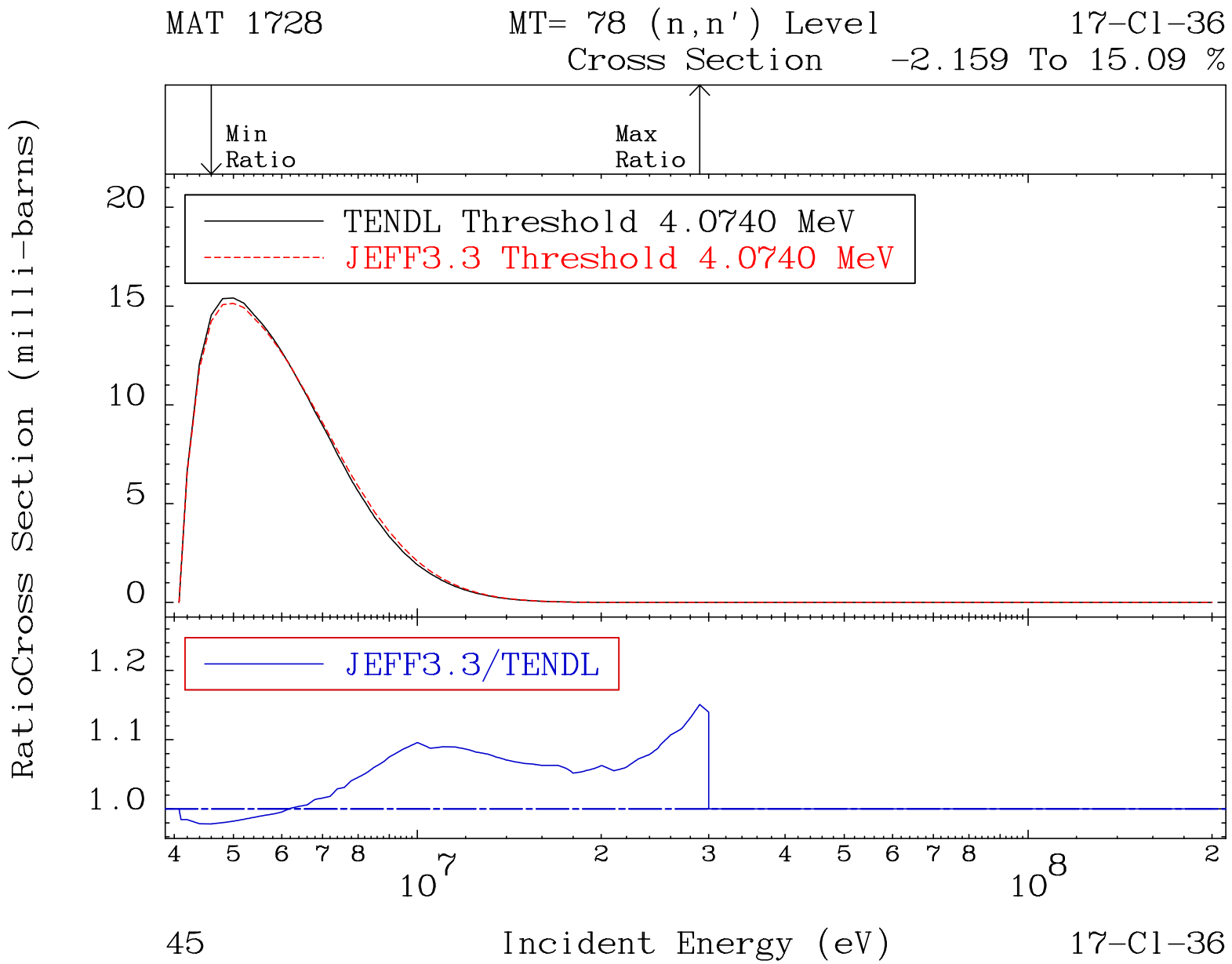

MAT 1728
MT= 73 (n,n') Level
17-Cl-36
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.7955 MeV
JEFF3.3 Threshold 3.7955 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
8
4
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
40
Incident Energy (eV)
17-Cl-36

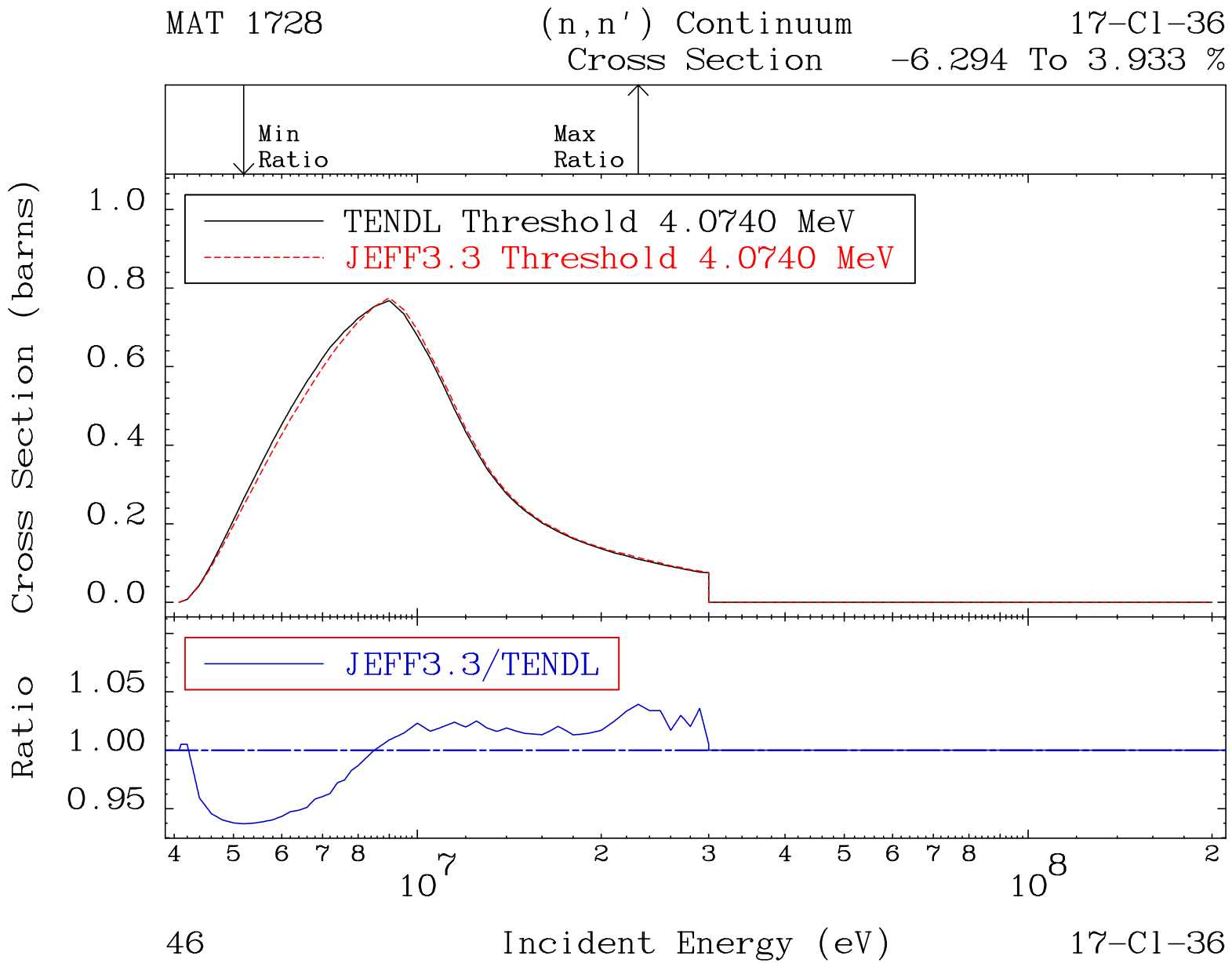

MAT 1728
MT= 74 (n,n') Level
17-Cl-36
Cross Section -100.0 To 15.90 %
Min Ratio
Max Ratio
TENDL Threshold 3.8278 MeV
JEFF3.3 Threshold 3.8278 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.0
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
41
Incident Energy (eV)
17-Cl-36

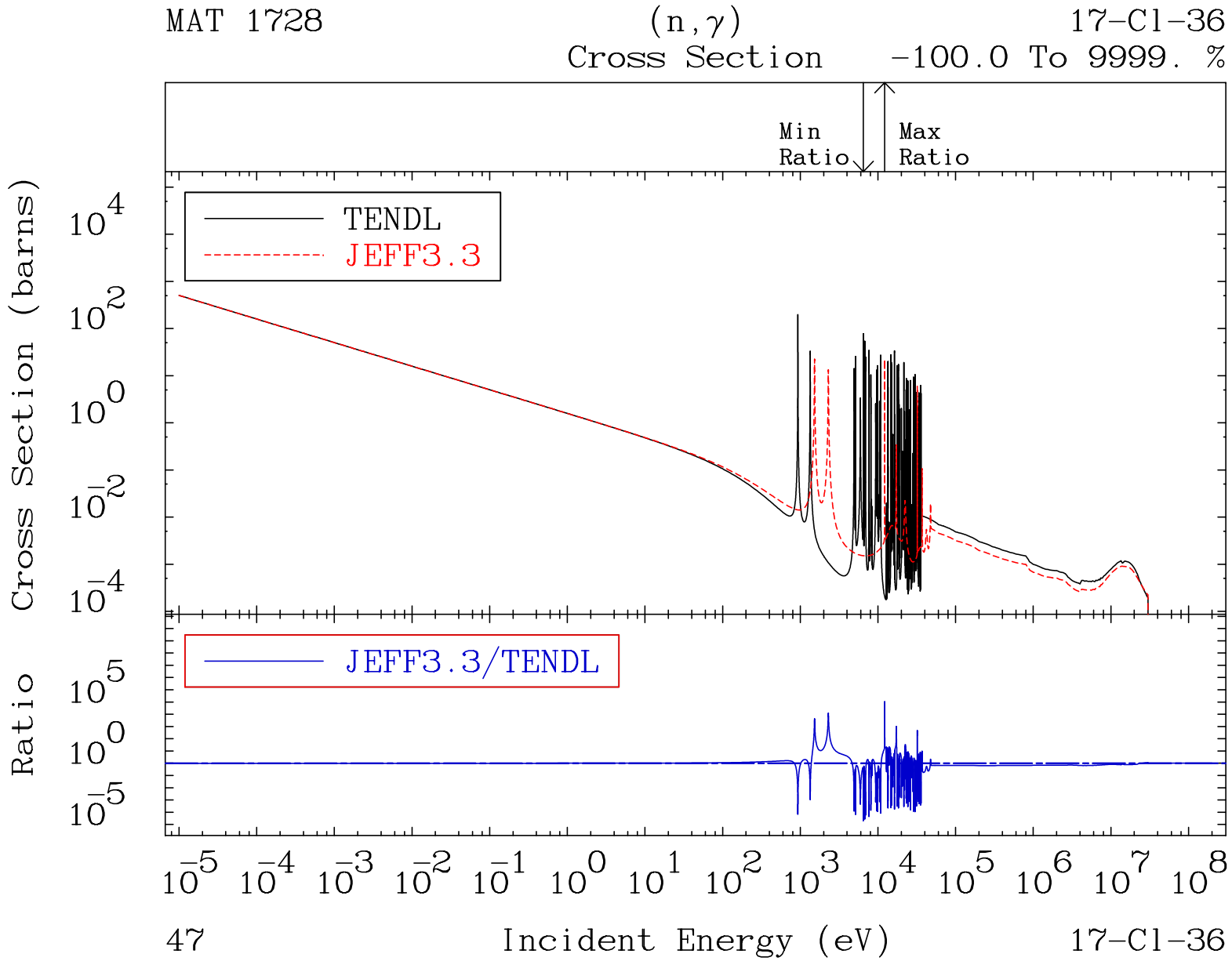

MAT 1728
MT= 75 (n,n') Level
17-Cl-36
Cross Section -85.94 To 0.000 %
Min
Ratio
TENDL Threshold 3.8778 MeV
JEFF3.3 Threshold 3.8778 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
1.2
0.8
0.4
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
42
Incident Energy (eV)
17-Cl-36

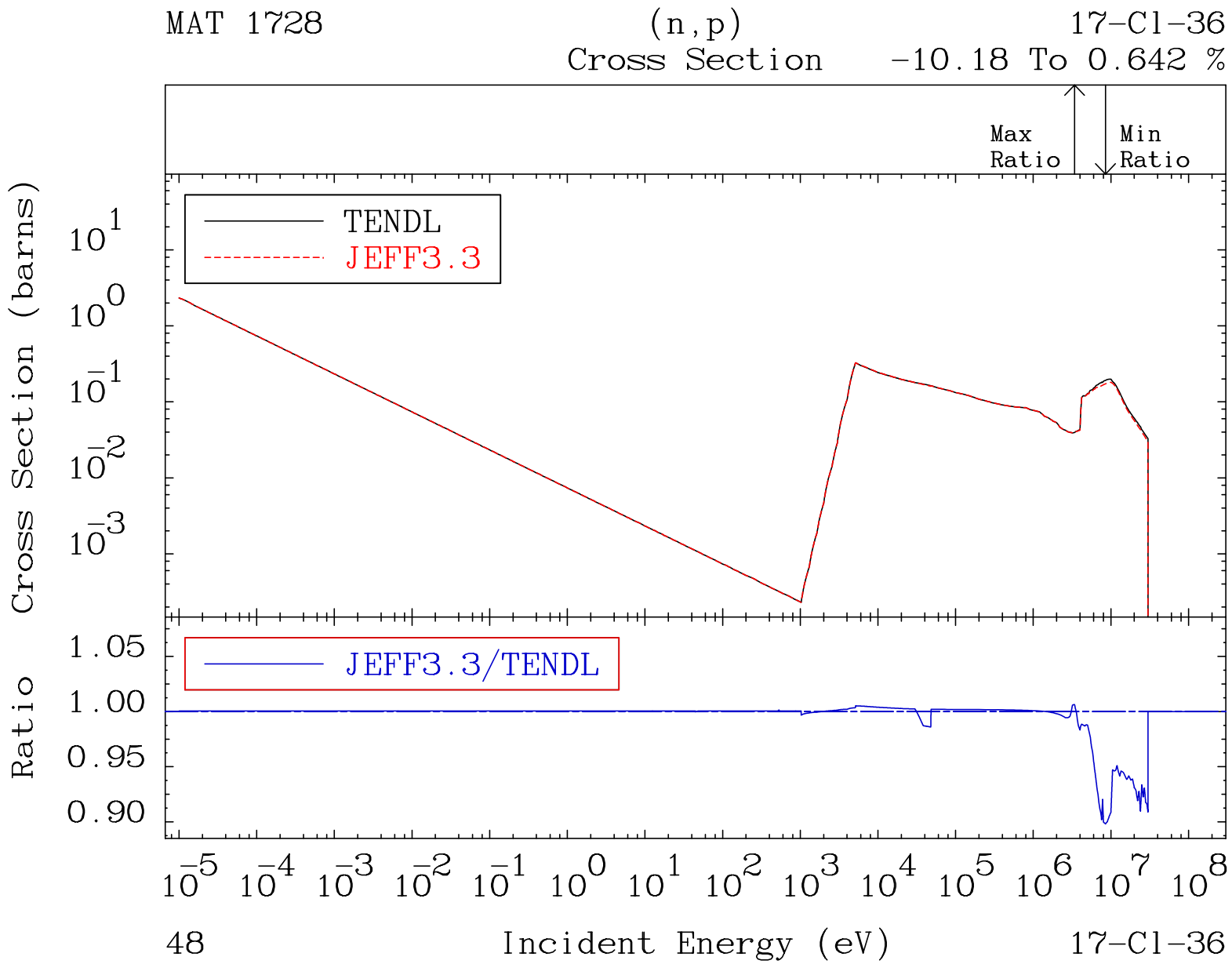

MAT 1728
MT= 76 (n,n') Level
17-Cl-36
Cross Section 0.000 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.9332 MeV
JEFF3.3 Threshold 3.9332 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
10^4
10^2
10^0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
43
Incident Energy (eV)
17-Cl-36

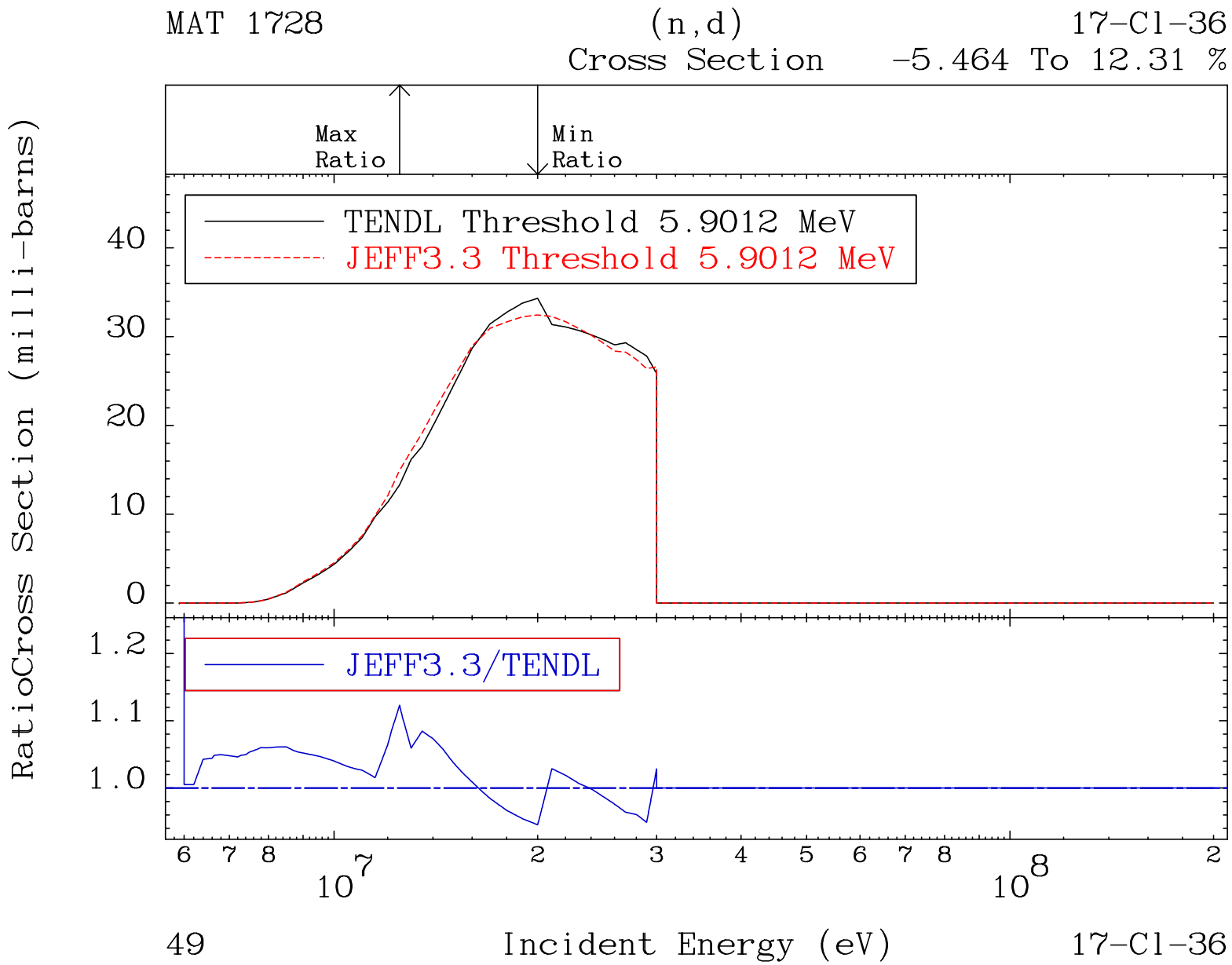

MAT 1728
MT= 77 (n,n') Level
17-Cl-36
Cross Section -99.99 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 4.0519 MeV
JEFF3.3 Threshold 4.0519 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
44
17-Cl-36

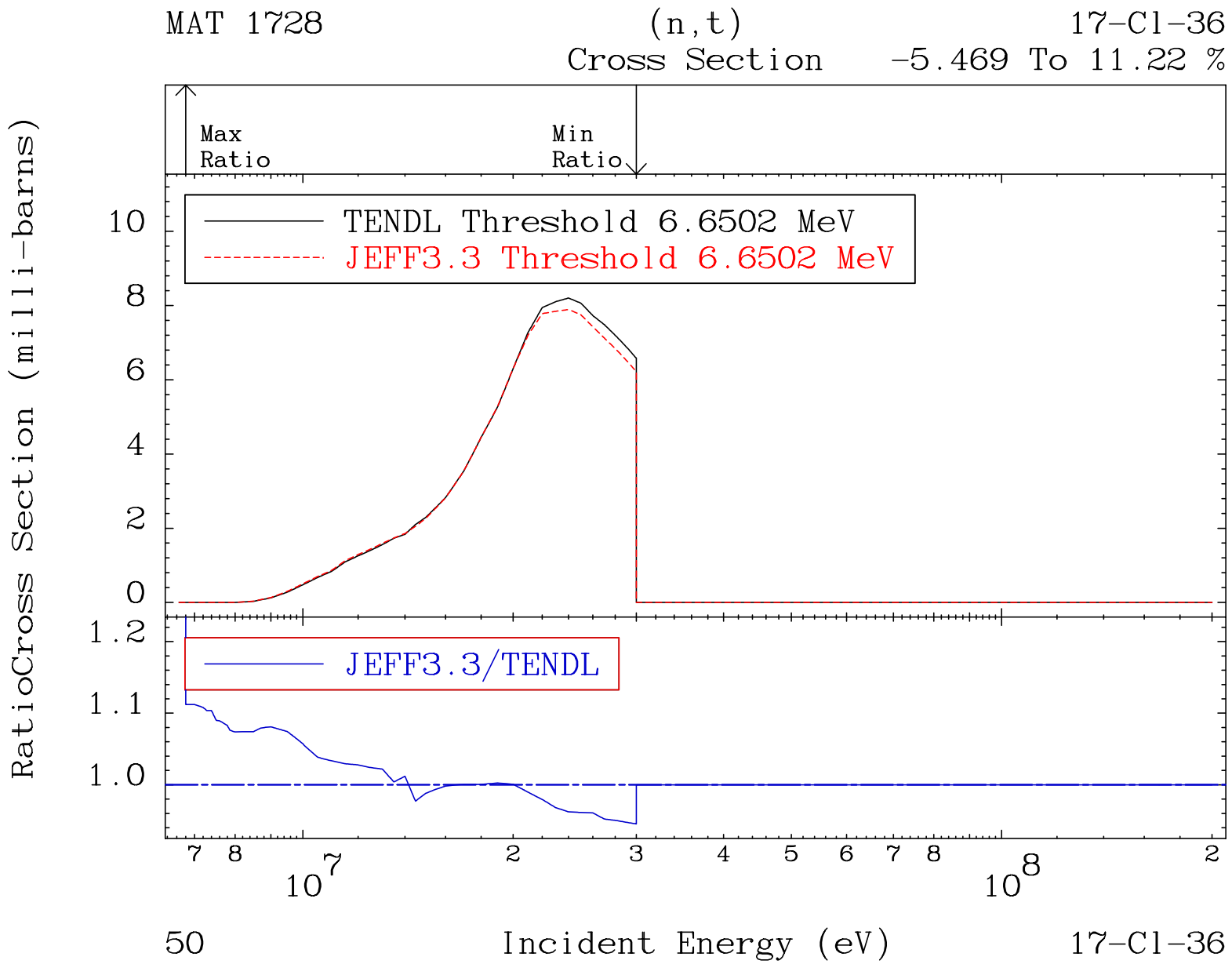

MAT 1728
MT= 78 (n,n') Level
17-Cl-36
Cross Section -2.159 To 15.09 %
Min Ratio
Max Ratio
TENDL Threshold 4.0740 MeV
JEFF3.3 Threshold 4.0740 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
45
17-Cl-36

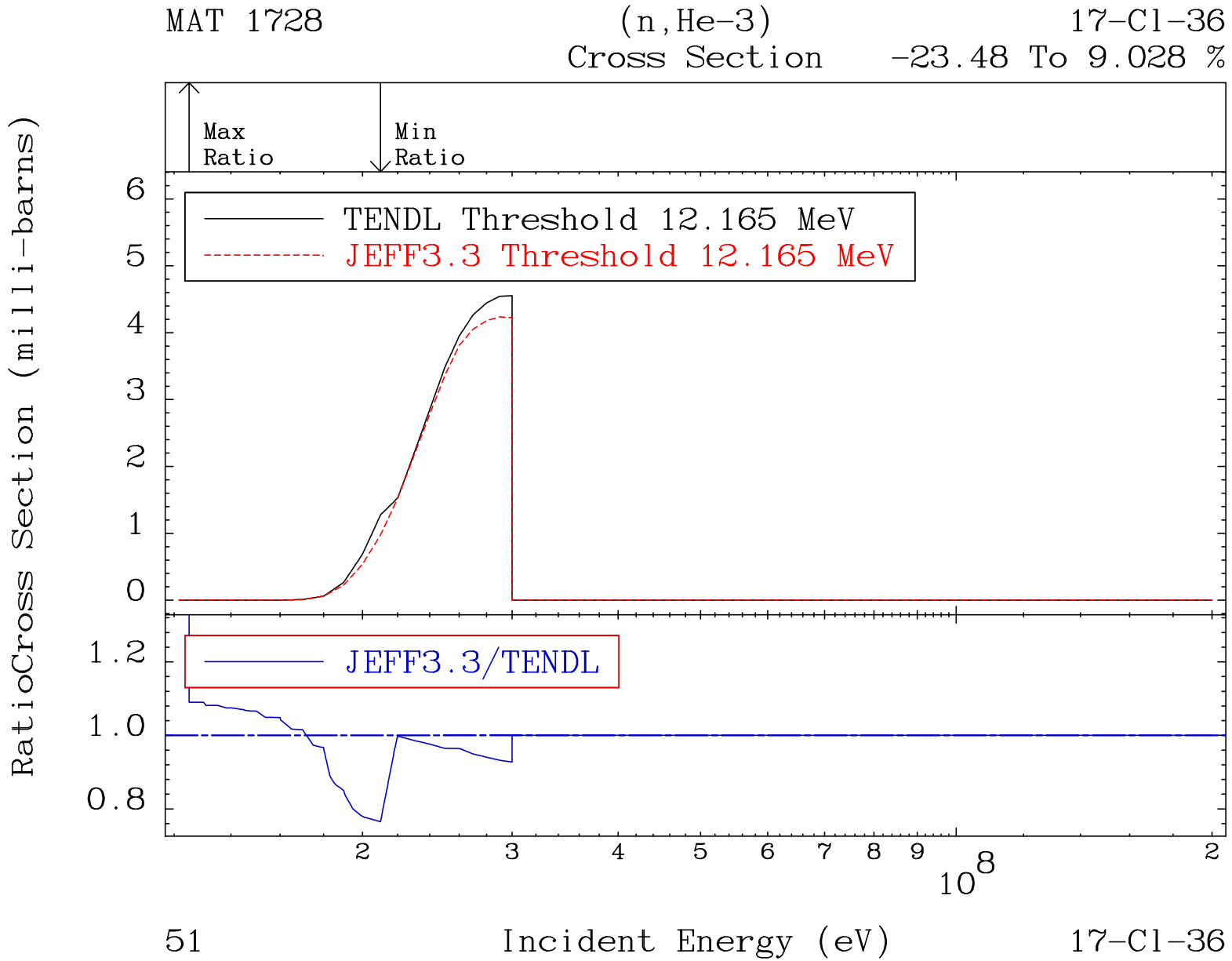

MAT 1728
(n,n') Continuum
Cross Section
17-Cl-36
-6.294 To 3.933 %
Min Ratio
Max Ratio
TENDL Threshold 4.0740 MeV
JEFF3.3 Threshold 4.0740 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.05
1.00
0.95
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
46
Incident Energy (eV)
17-Cl-36

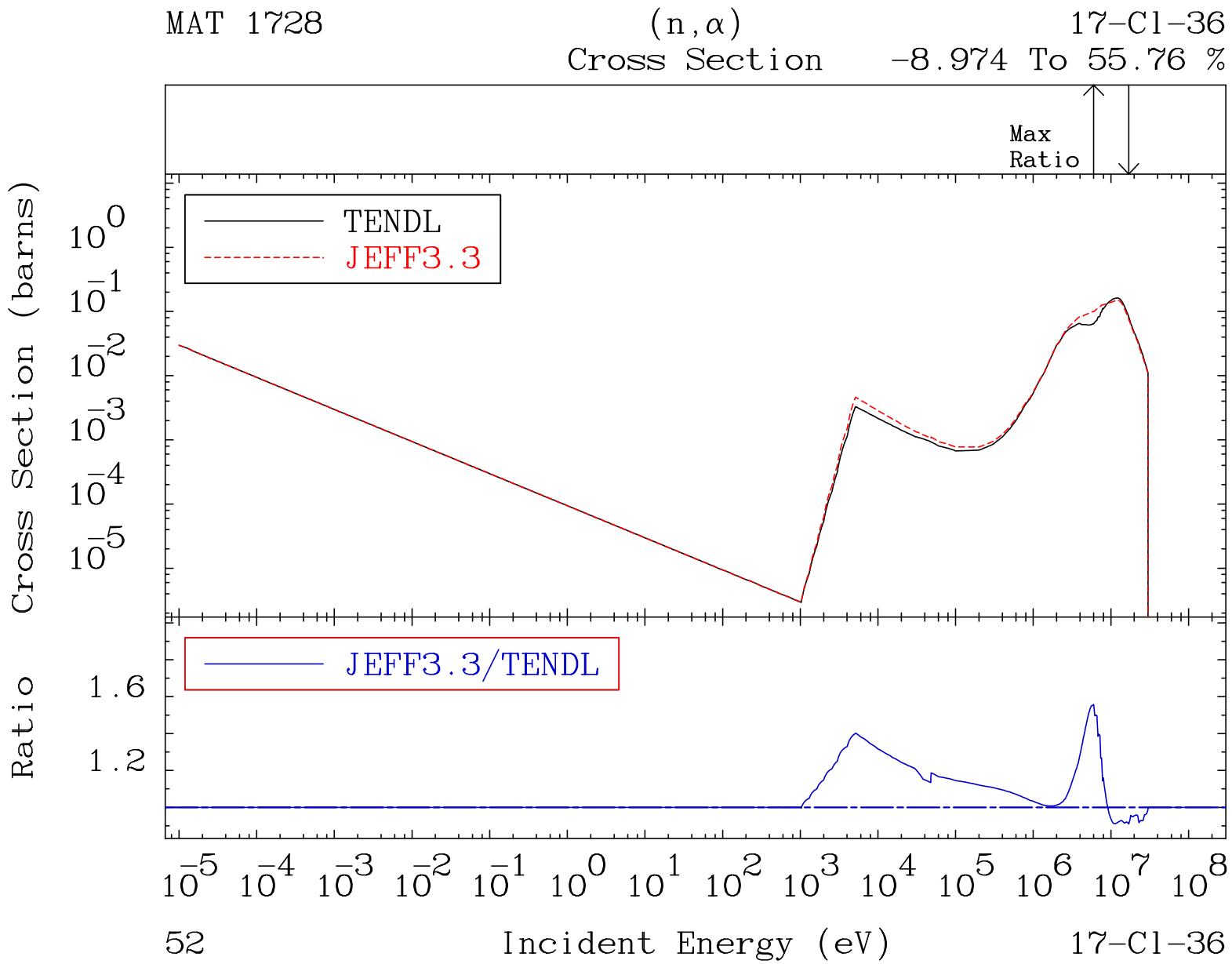

MAT 1728
(n,γ)
17-Cl-36
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47
17-Cl-36

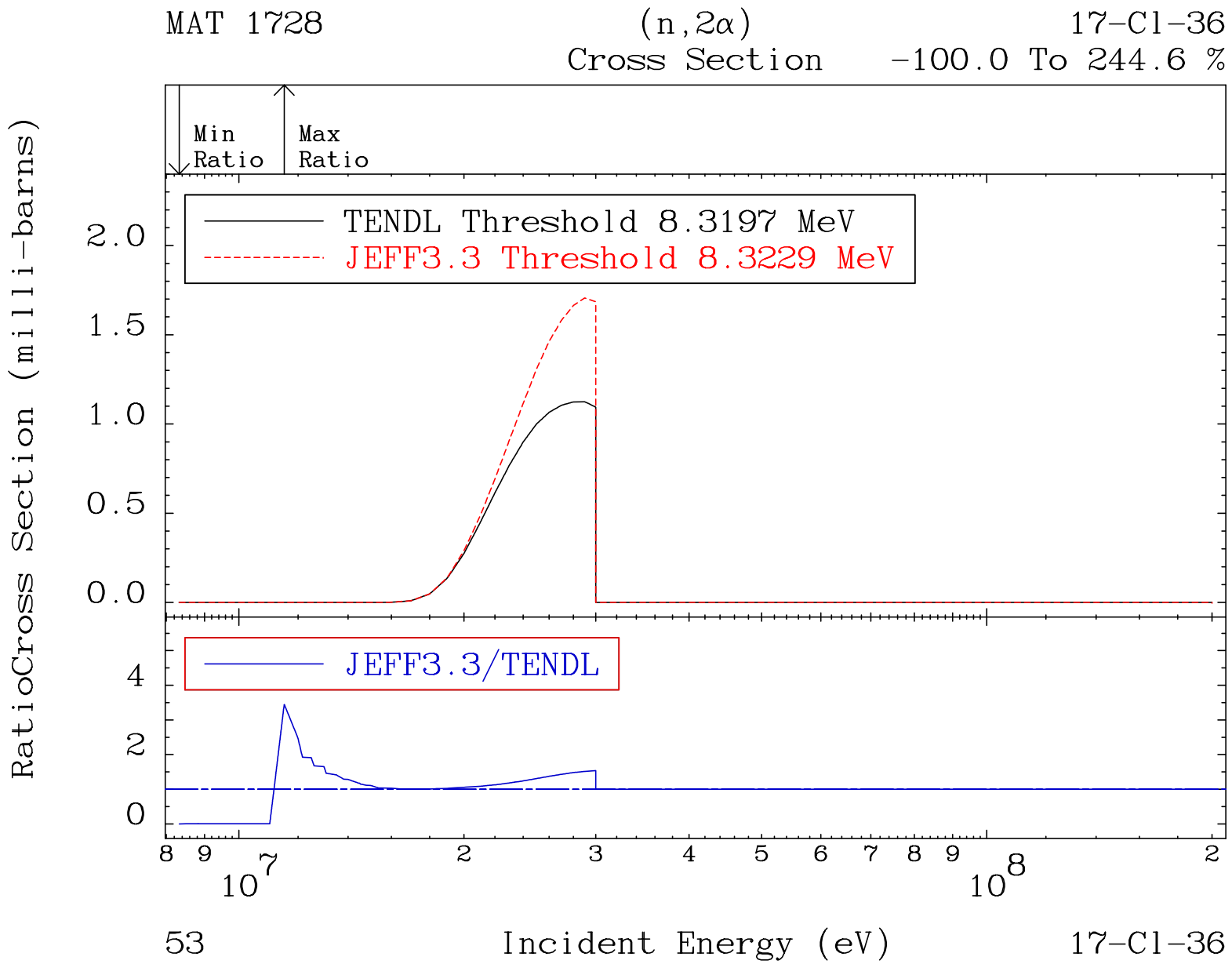

MAT 1728
(n,p)
17-Cl-36
Cross Section
-10.18 To 0.642 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48
17-Cl-36

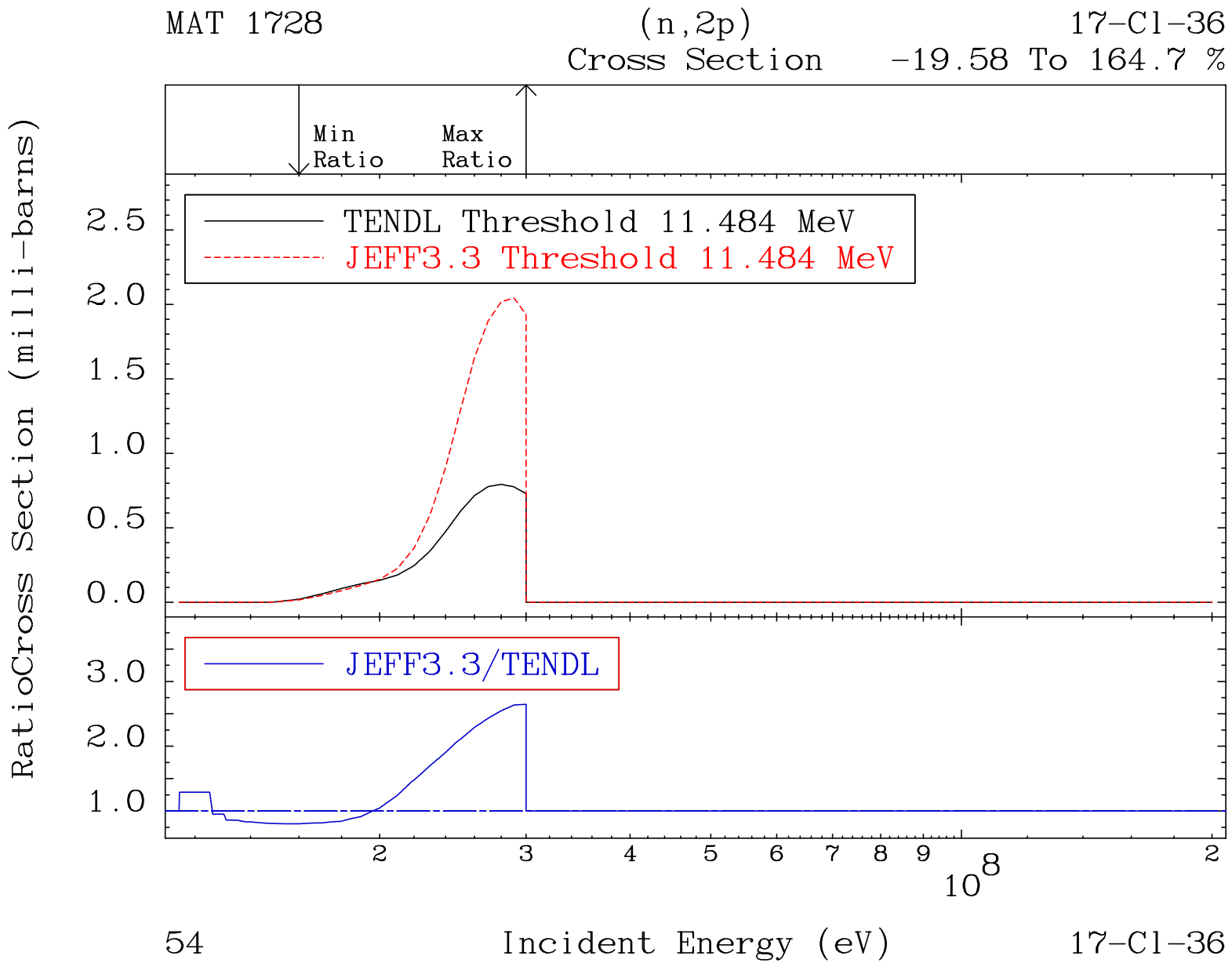

MAT 1728
(n,d)
17-Cl-36
Cross Section
-5.464 To 12.31 %
Max Ratio
Min Ratio
TENDL Threshold 5.9012 MeV
JEFF3.3 Threshold 5.9012 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.2
1.1
1.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
49
Incident Energy (eV)
17-Cl-36

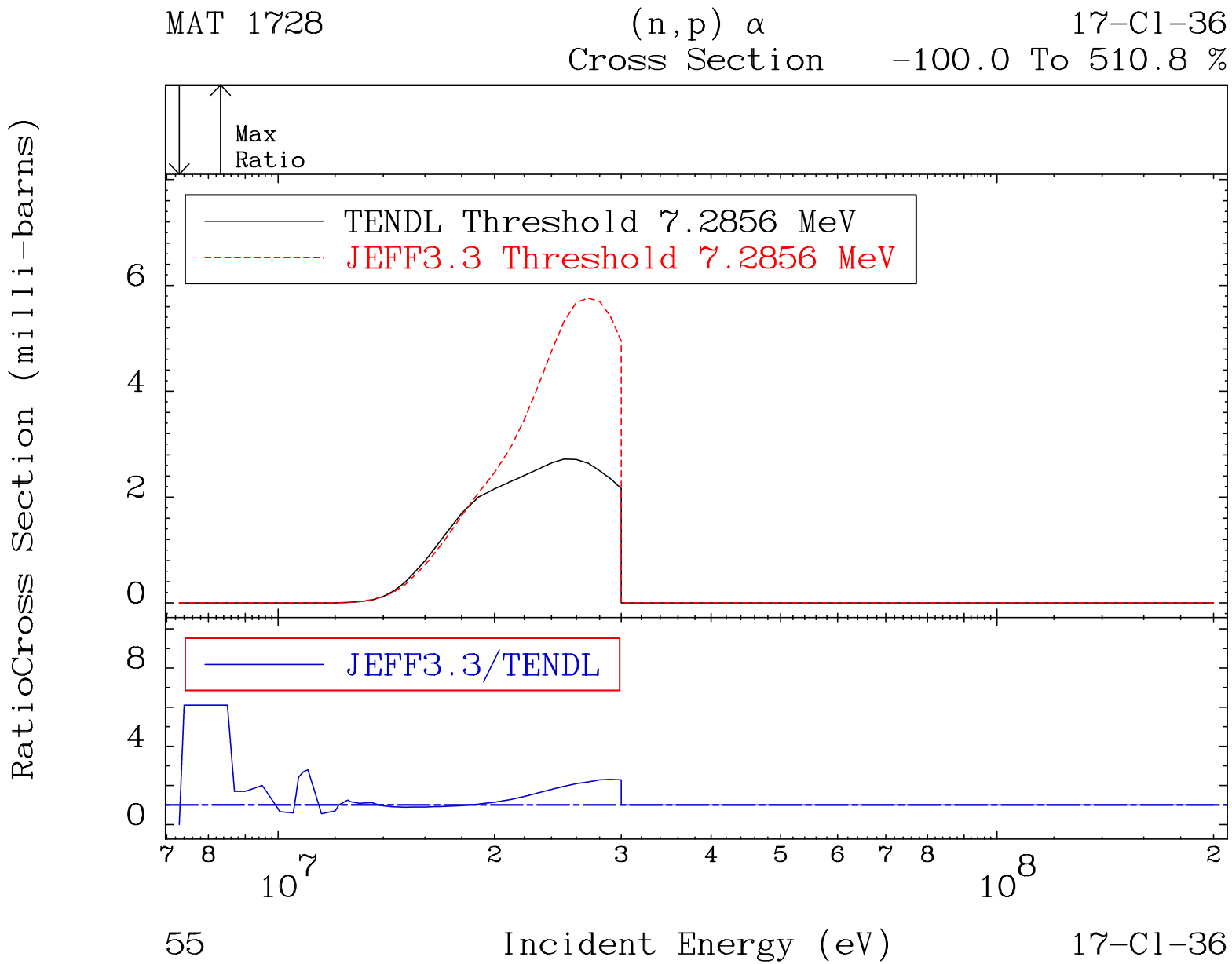

MAT 1728
(n,t)
17-Cl-36
Cross Section
-5.469 To 11.22 %
Max Ratio
Min Ratio
TENDL Threshold 6.6502 MeV
JEFF3.3 Threshold 6.6502 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
50
17-Cl-36

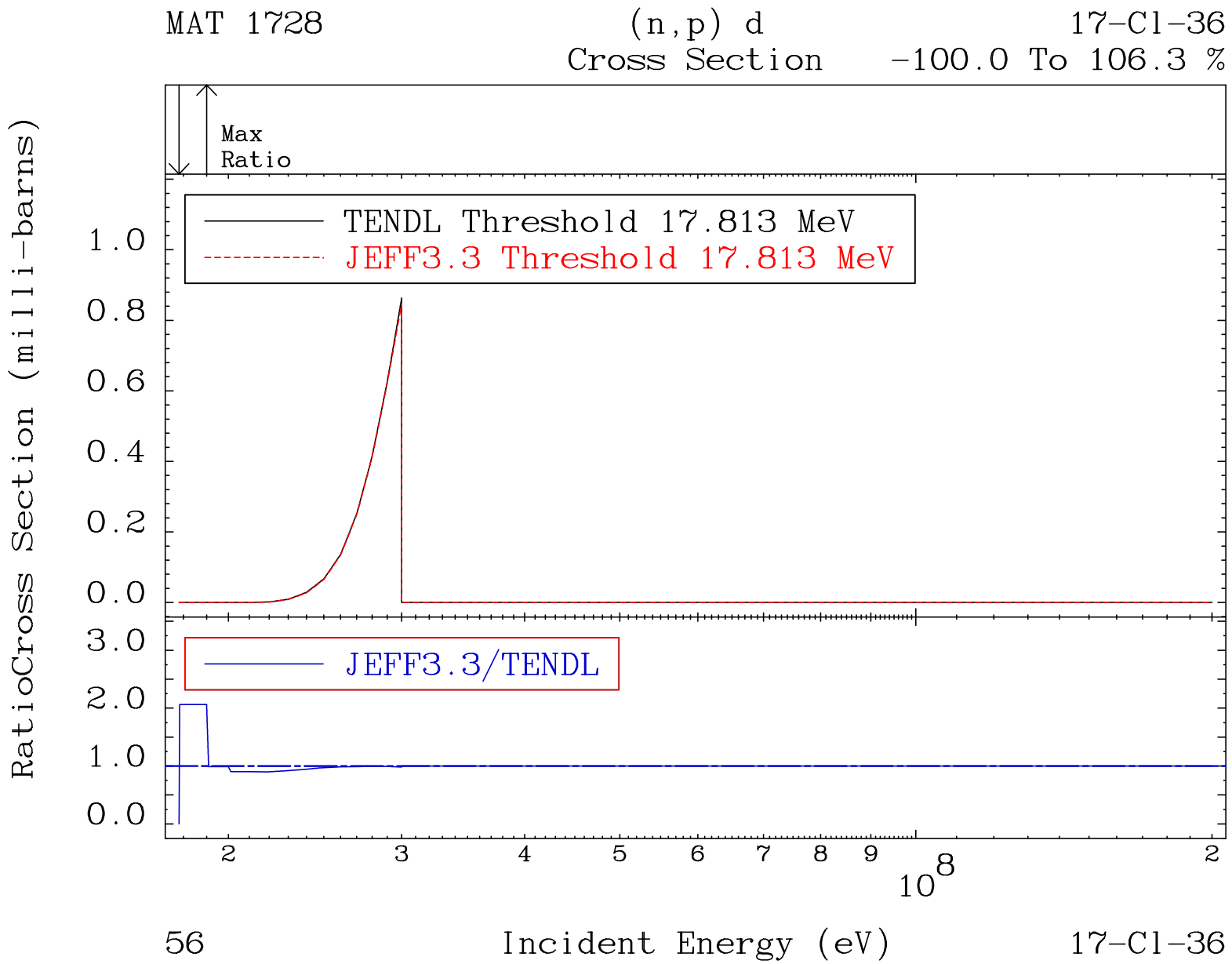

MAT 1728
(n,He-3)
Cross Section
17-Cl-36
-23.48 To 9.028 %
Max Ratio
Min Ratio
TENDL Threshold 12.165 MeV
JEFF3.3 Threshold 12.165 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
51
17-Cl-36

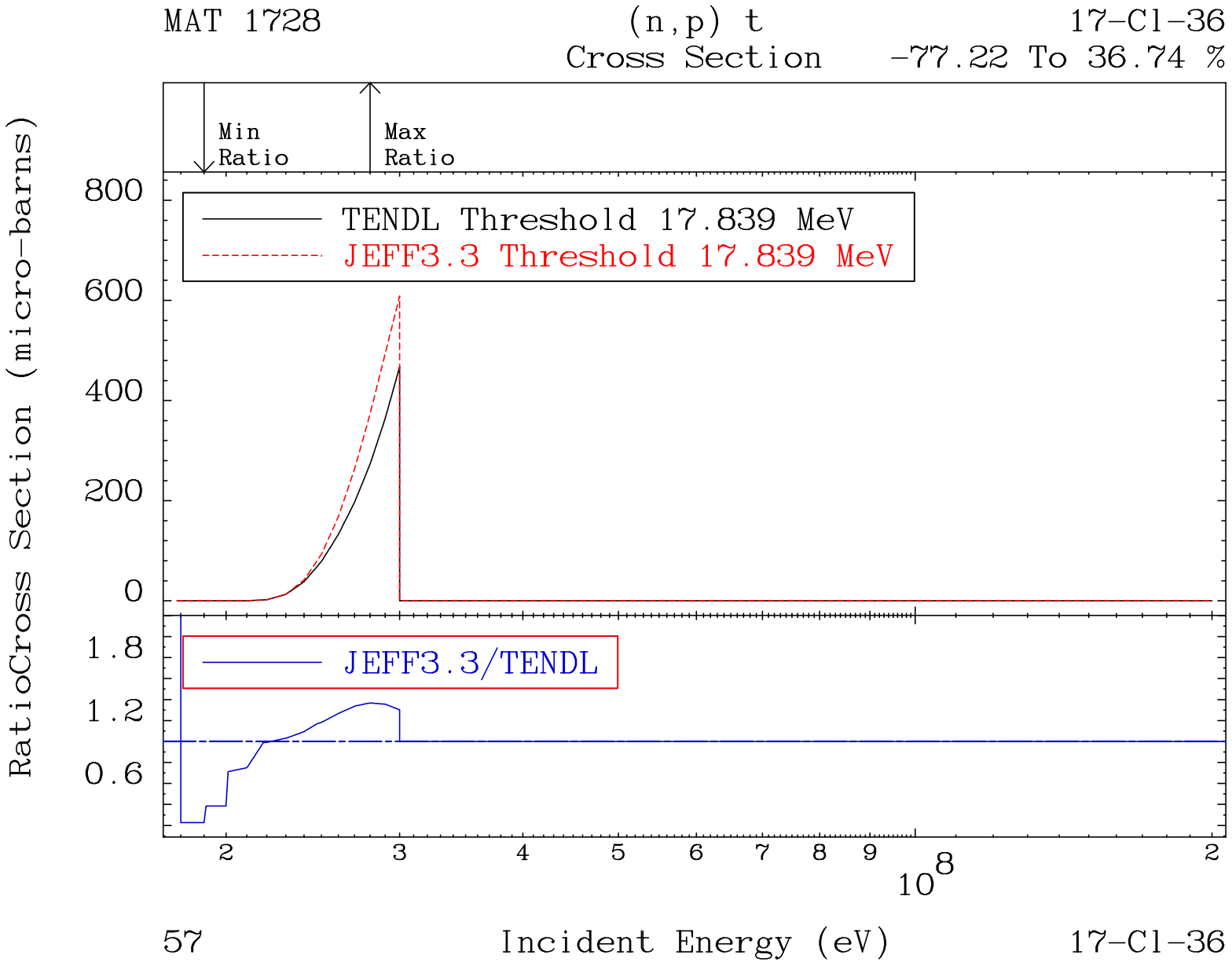

MAT 1728
(n,α)
Cross Section
17-Cl-36
-8.974 To 55.76 %
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
17-Cl-36

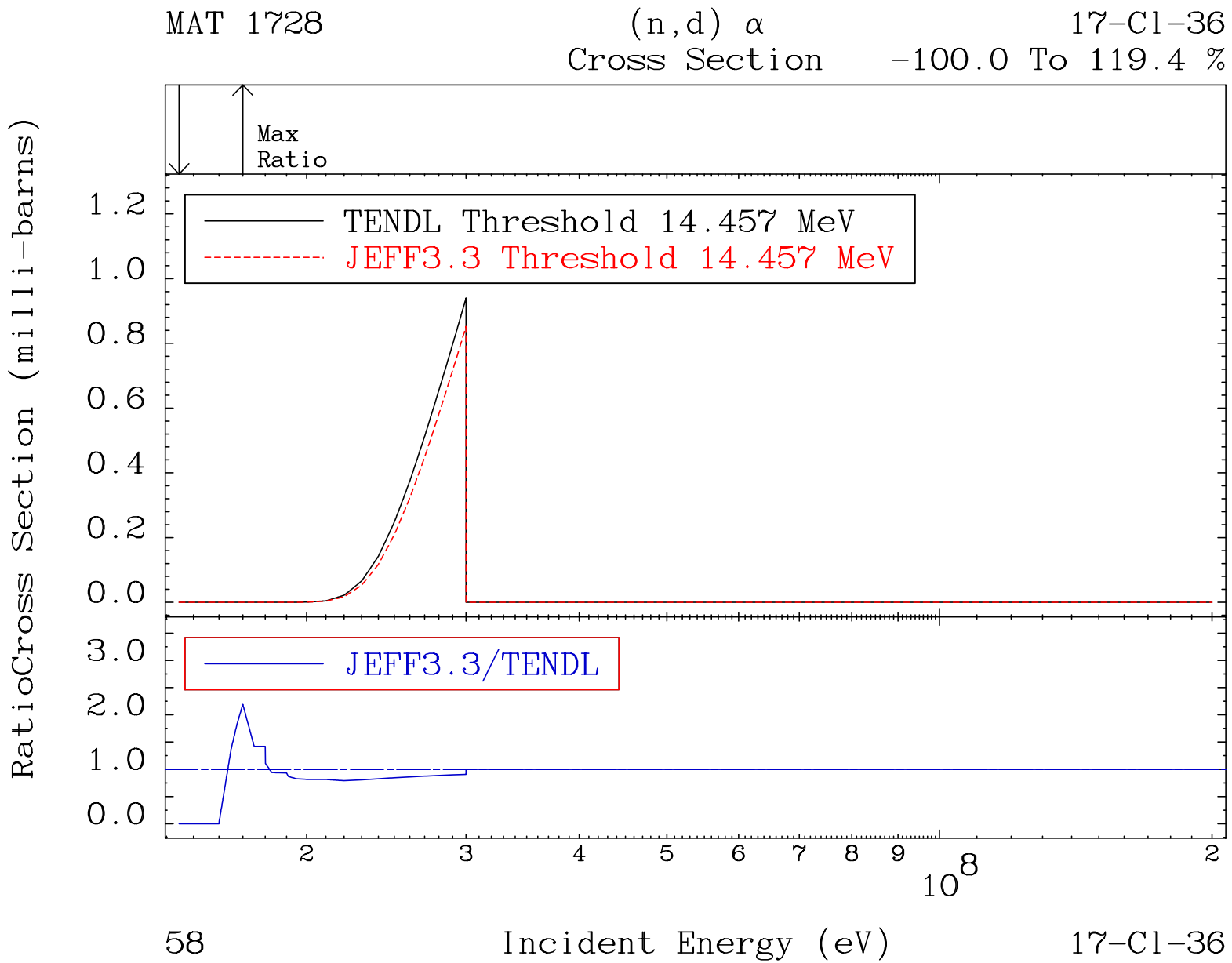

MAT 1728
(n,2α)
17-Cl-36
Cross Section
-100.0 To 244.6 %
Min Ratio
Max Ratio
TENDL Threshold 8.3197 MeV
JEFF3.3 Threshold 8.3229 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
4
2
0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
53
Incident Energy (eV)
17-Cl-36

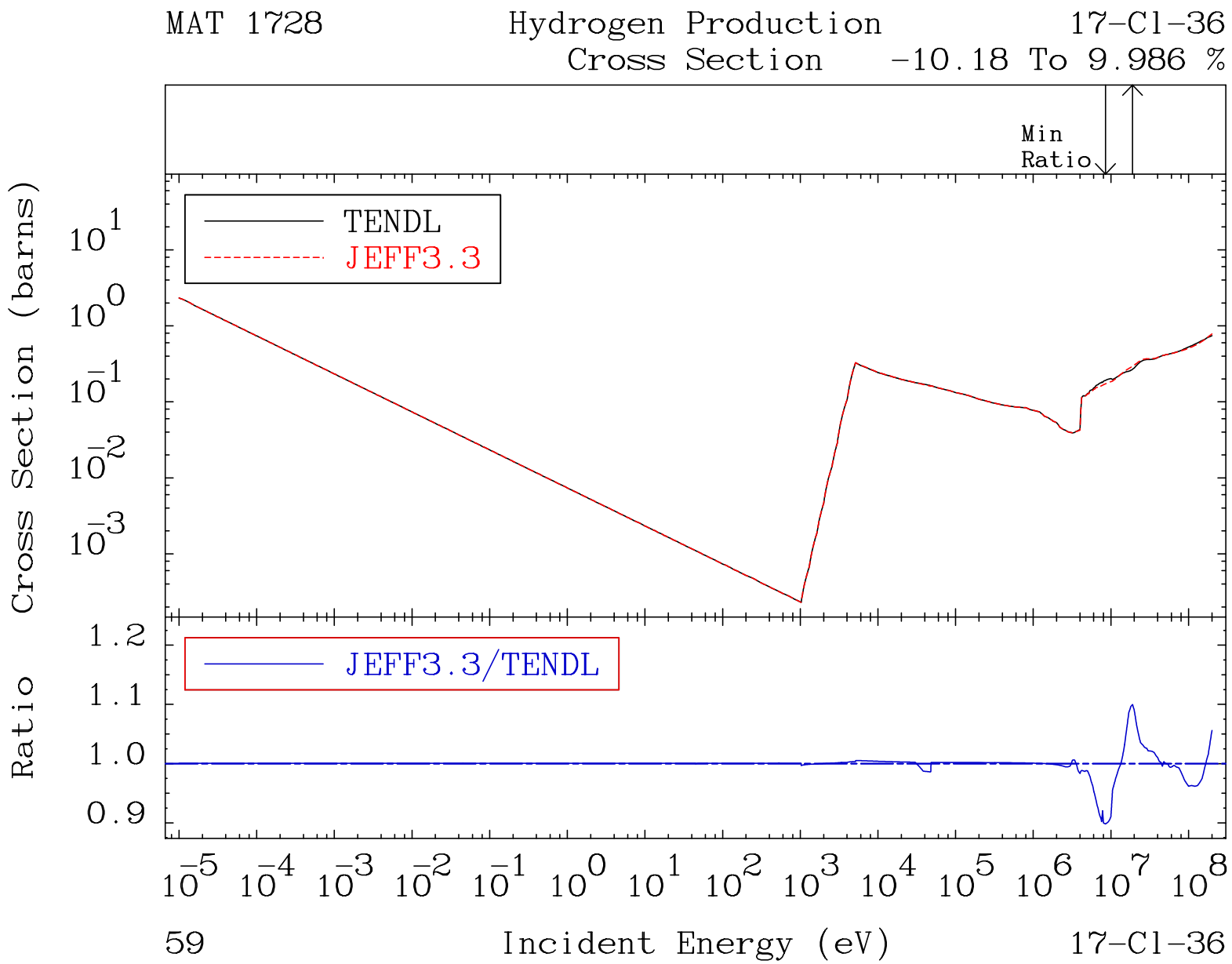

MAT 1728
(n,2p)
17-Cl-36
Cross Section
-19.58 To 164.7 %
Min Ratio
Max Ratio
TENDL Threshold 11.484 MeV
JEFF3.3 Threshold 11.484 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
3.0
2.0
1.0
2
3
4
5
6
7
8
9
2
10^8
54
Incident Energy (eV)
17-Cl-36

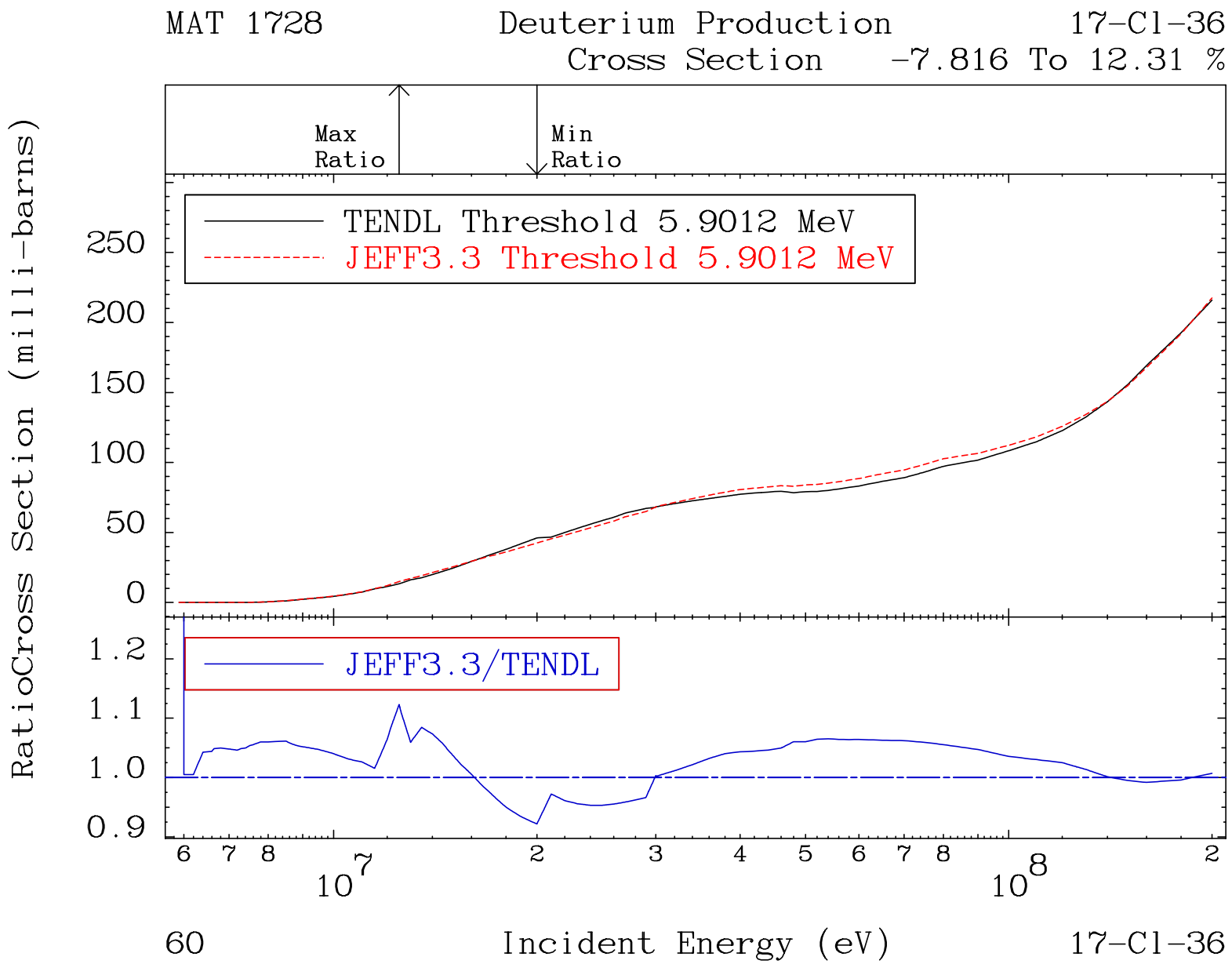

MAT 1728
(n,p) α
17-Cl-36
Cross Section
-100.0 To 510.8 %
Max
Ratio
TENDL Threshold 7.2856 MeV
JEFF3.3 Threshold 7.2856 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
55
17-Cl-36

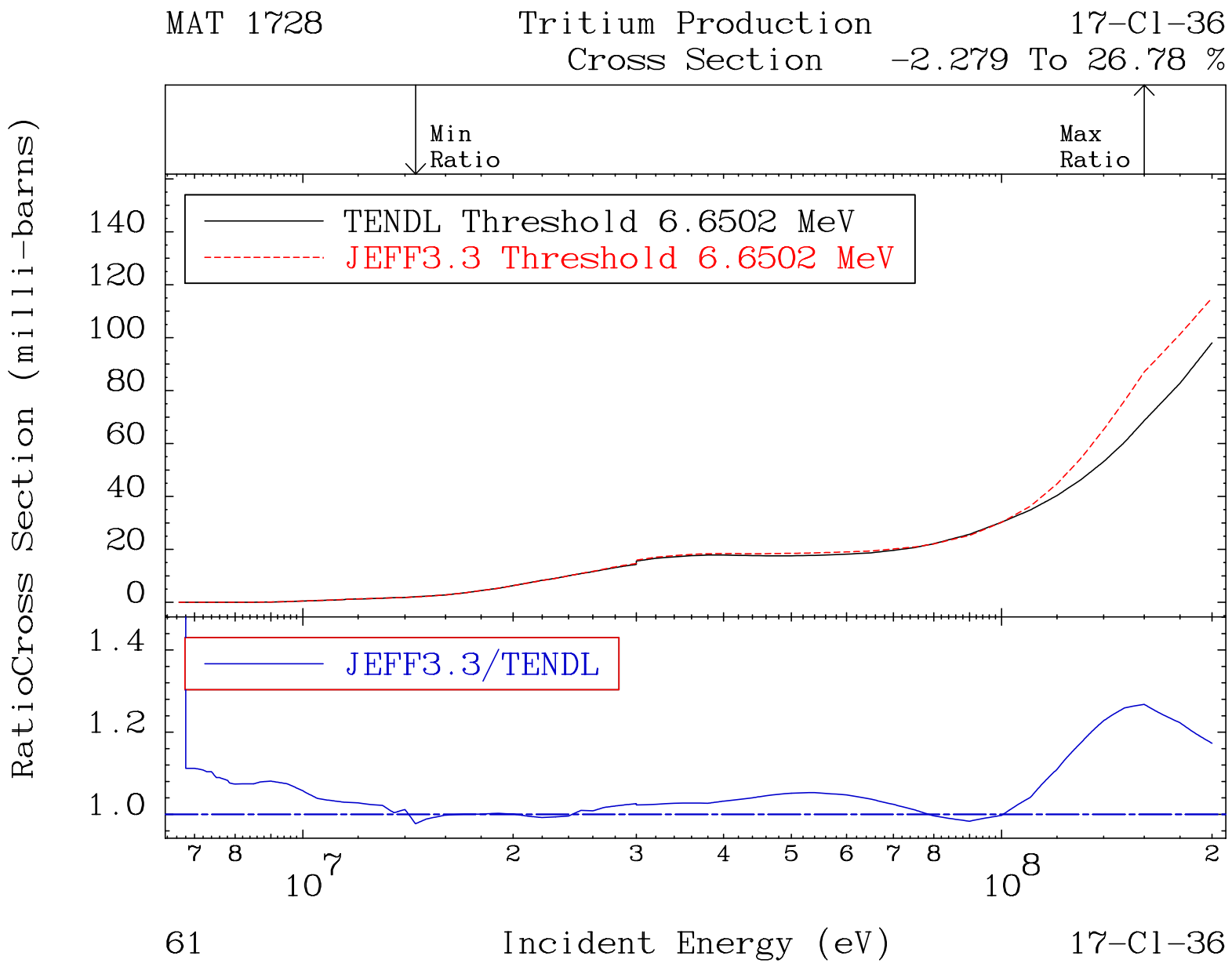

MAT 1728
(n,p) d
Cross Section
17-Cl-36
-100.0 To 106.3 %
Max
Ratio
TENDL Threshold 17.813 MeV
JEFF3.3 Threshold 17.813 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
3.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
56
Incident Energy (eV)
17-Cl-36

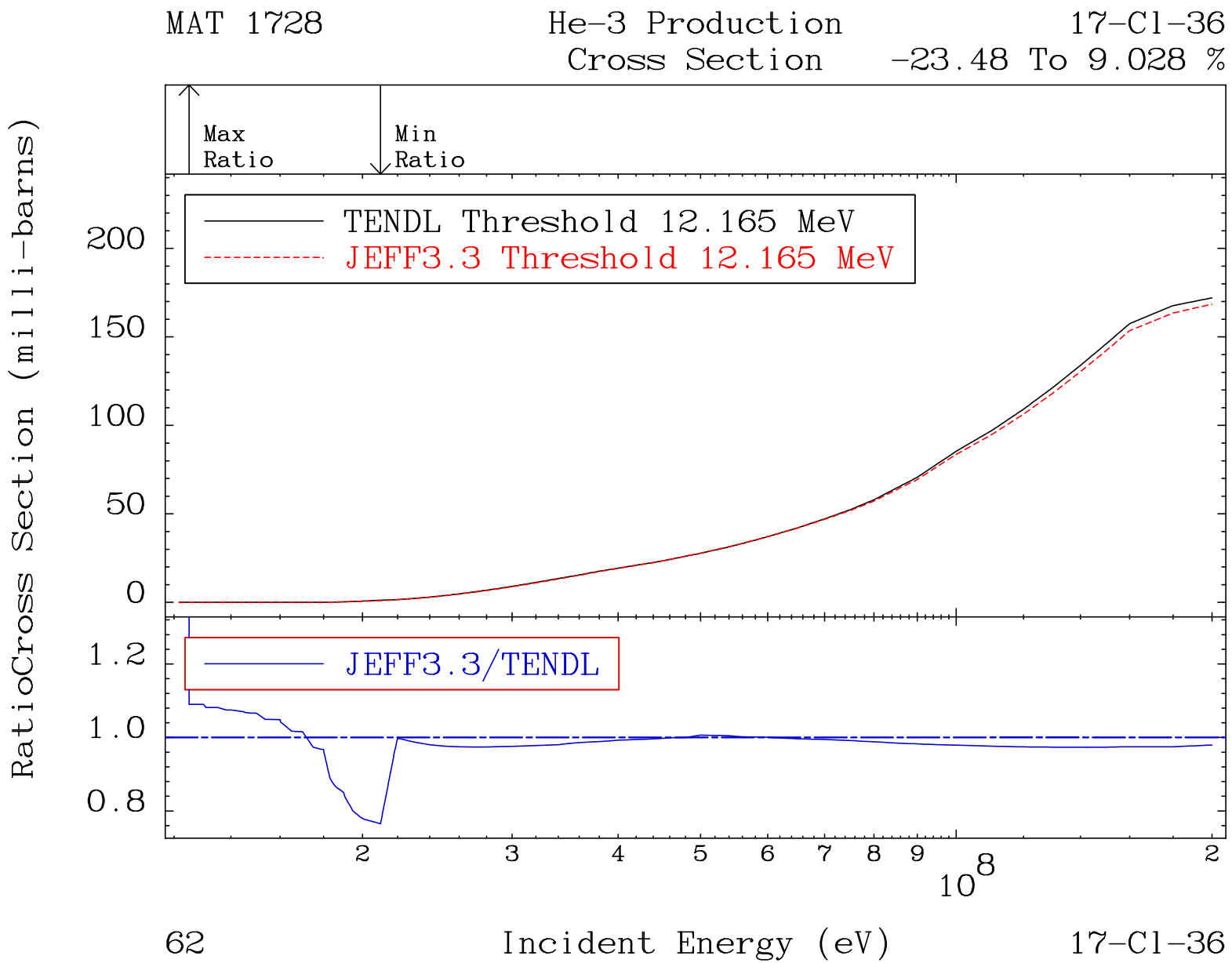

MAT 1728
(n,p) t
Cross Section
17-Cl-36
-77.22 To 36.74 %
Min Ratio
Max Ratio
TENDL Threshold 17.839 MeV
JEFF3.3 Threshold 17.839 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
800
600
400
200
0
1.8
1.2
0.6
2
3
4
5
6
7
8
9
10^8
2
57
Incident Energy (eV)
17-Cl-36

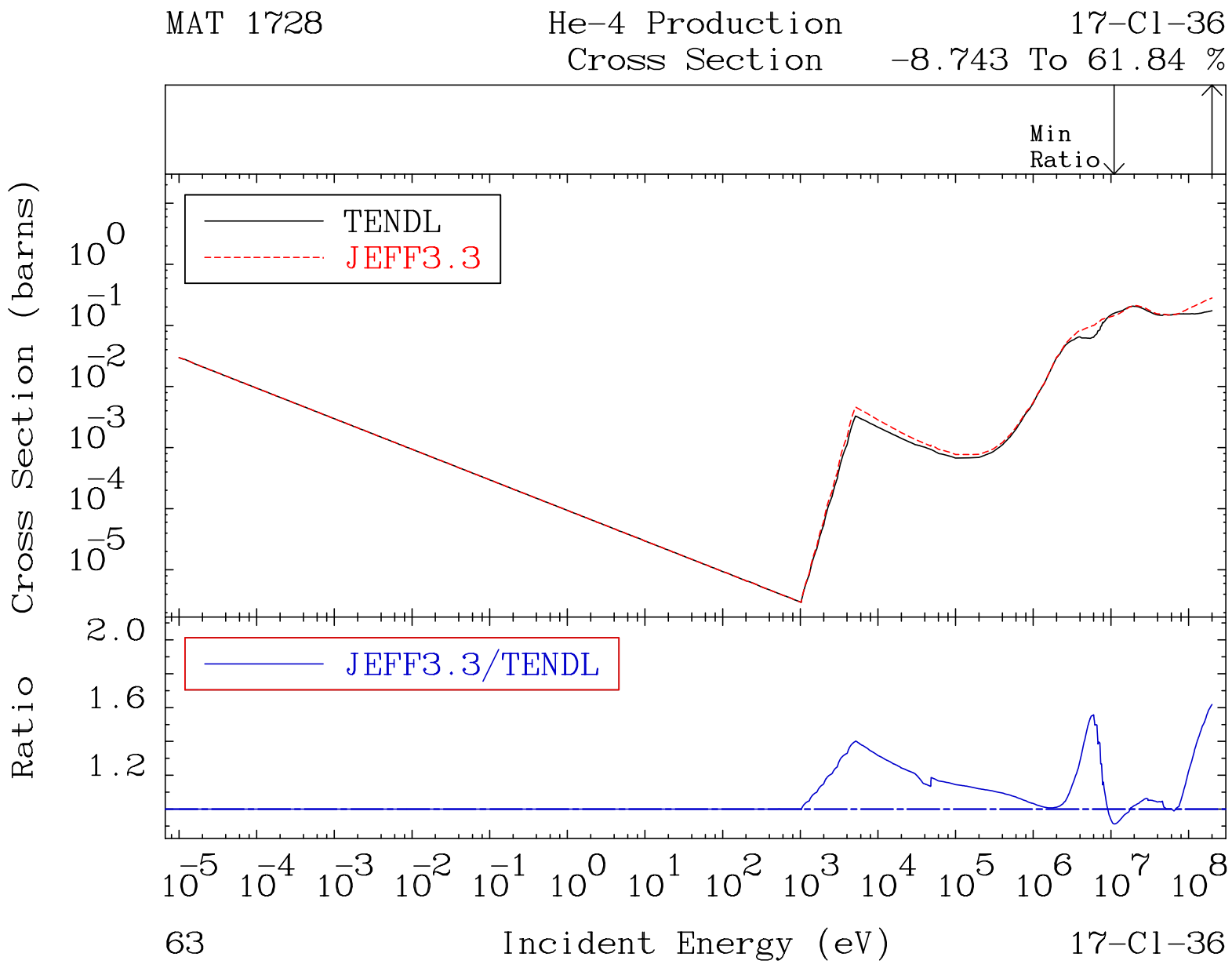

MAT 1728
(n,d) α
17-Cl-36
Cross Section
-100.0 To 119.4 %
Max
Ratio
TENDL Threshold 14.457 MeV
JEFF3.3 Threshold 14.457 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
3.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
58
Incident Energy (eV)
17-Cl-36

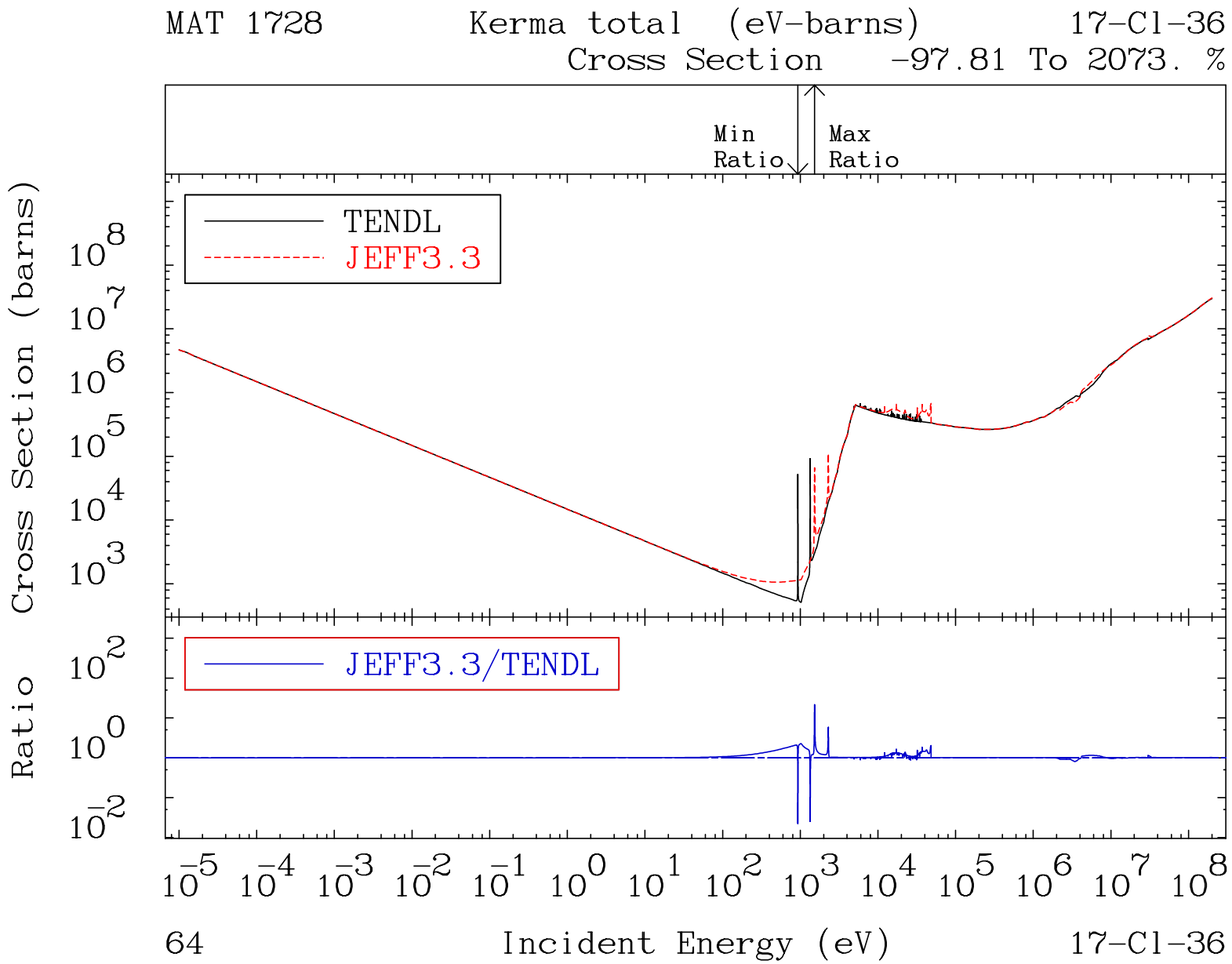

MAT 1728
Hydrogen Production
17-Cl-36
Cross Section
-10.18 To 9.986 %
Min
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
17-Cl-36

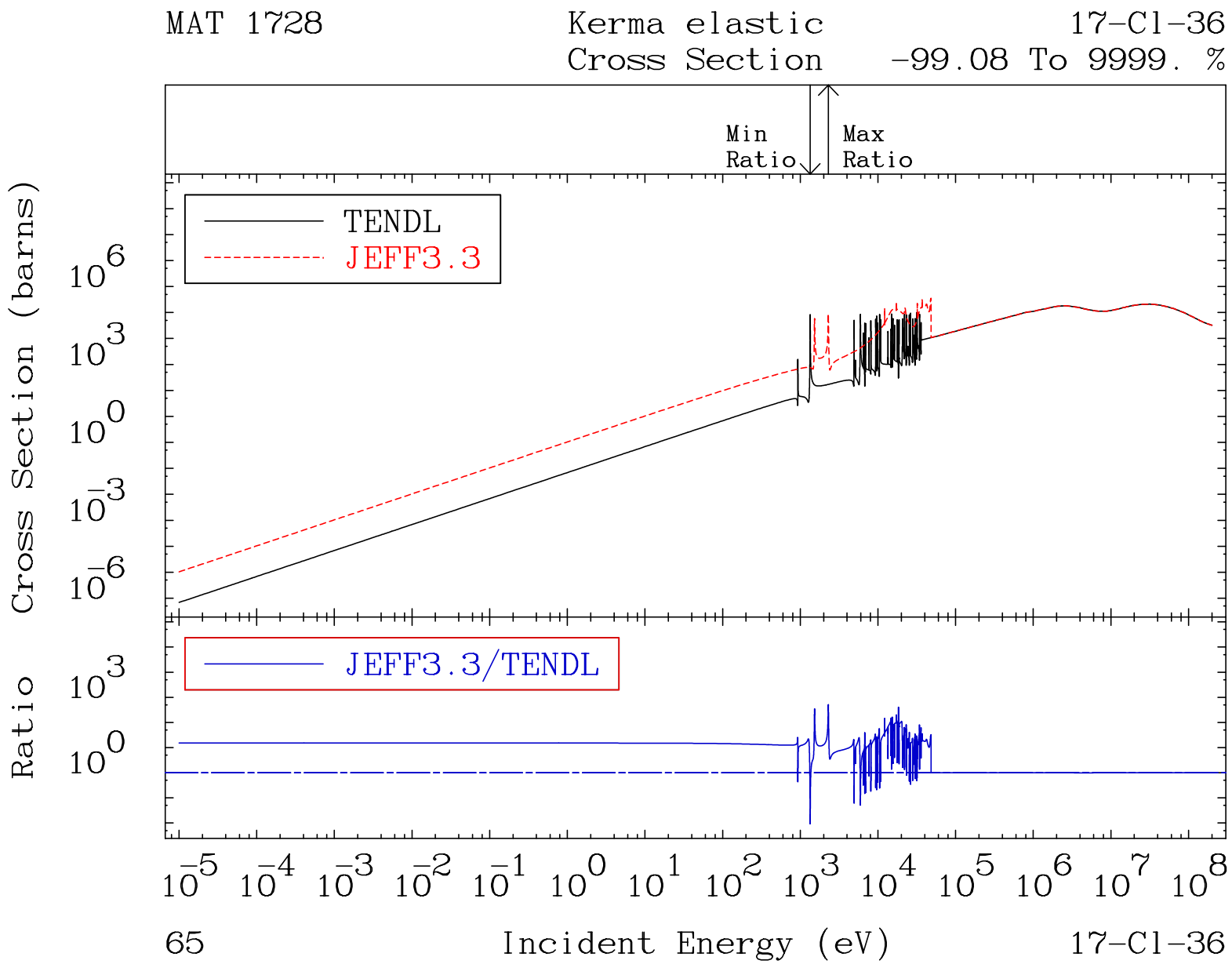

MAT 1728
Deuterium Production
17-Cl-36
Cross Section
-7.816 To 12.31 %
Max Ratio
Min Ratio
TENDL Threshold 5.9012 MeV
JEFF3.3 Threshold 5.9012 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
1.2
1.1
1.0
0.9
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
60
Incident Energy (eV)
17-Cl-36

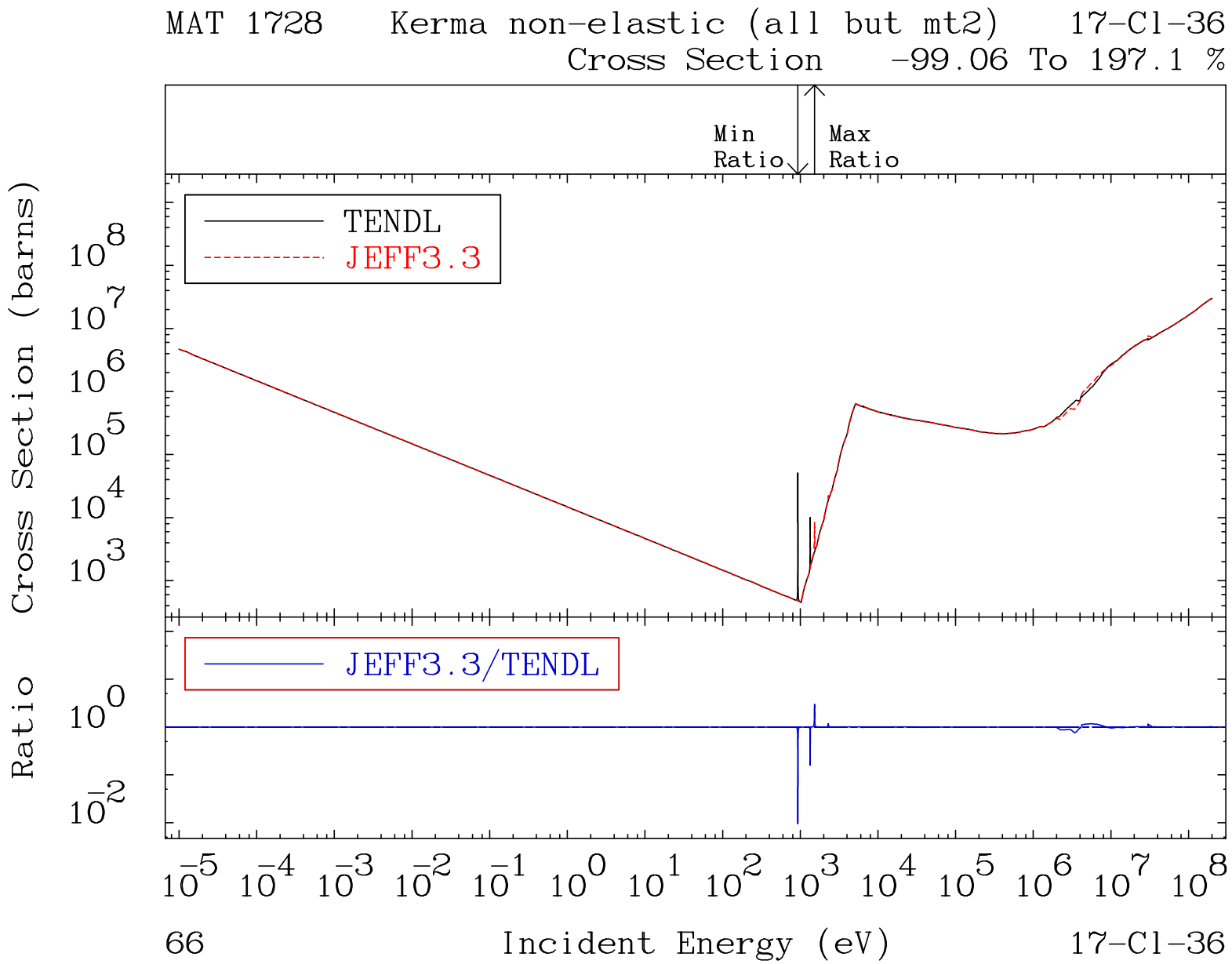

MAT 1728
Tritium Production
Cross Section
17-Cl-36
-2.279 To 26.78 %
Min
Ratio
Max
Ratio
TENDL Threshold 6.6502 MeV
JEFF3.3 Threshold 6.6502 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
1.4
1.2
1.0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
61
Incident Energy (eV)
17-Cl-36

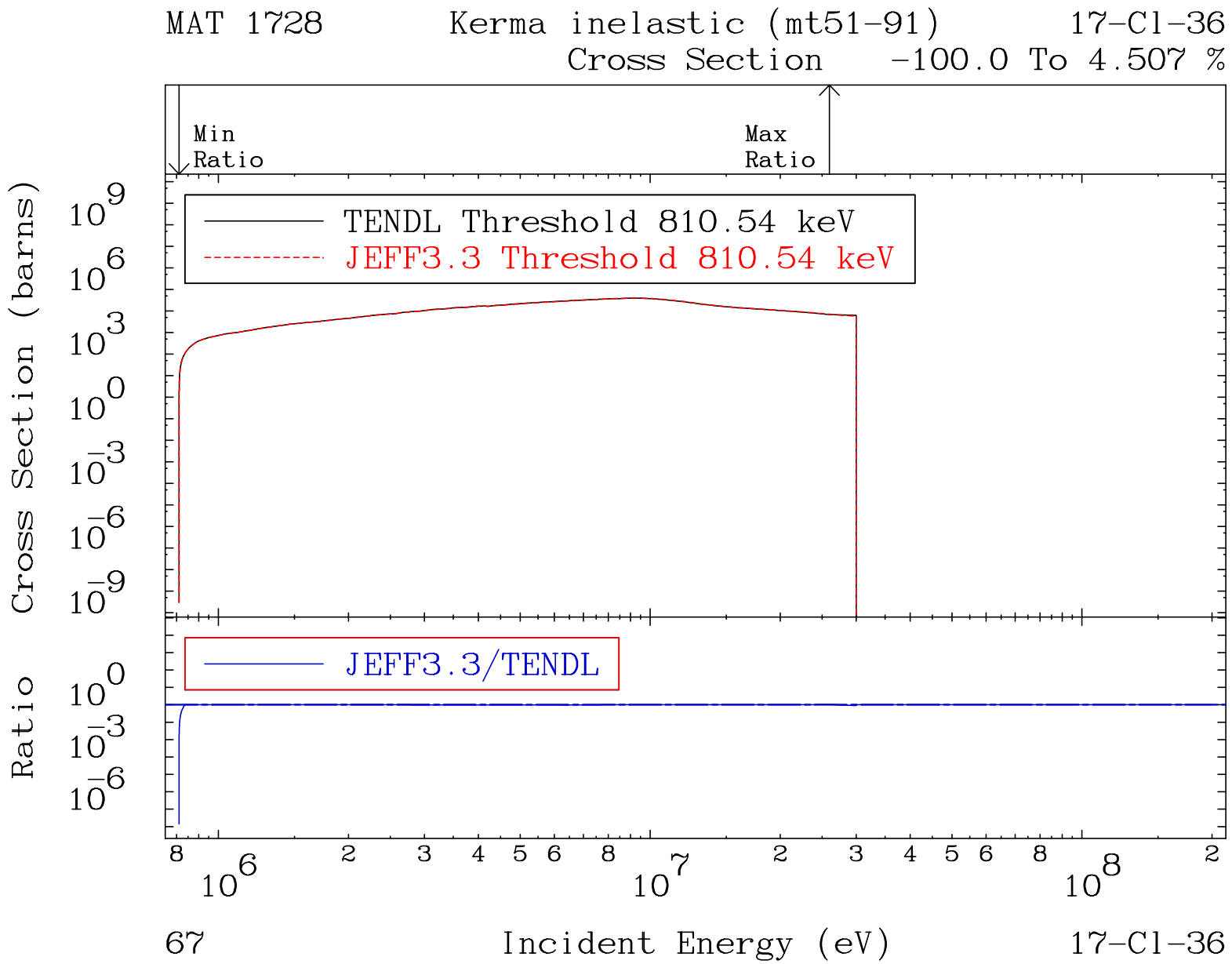

MAT 1728
He-3 Production
Cross Section
17-Cl-36
-23.48 To 9.028 %
Max Ratio
Min Ratio
TENDL Threshold 12.165 MeV
JEFF3.3 Threshold 12.165 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.2
1.0
0.8
2
3
4
5
6
7
8
9
10^8
2
62
Incident Energy (eV)
17-Cl-36

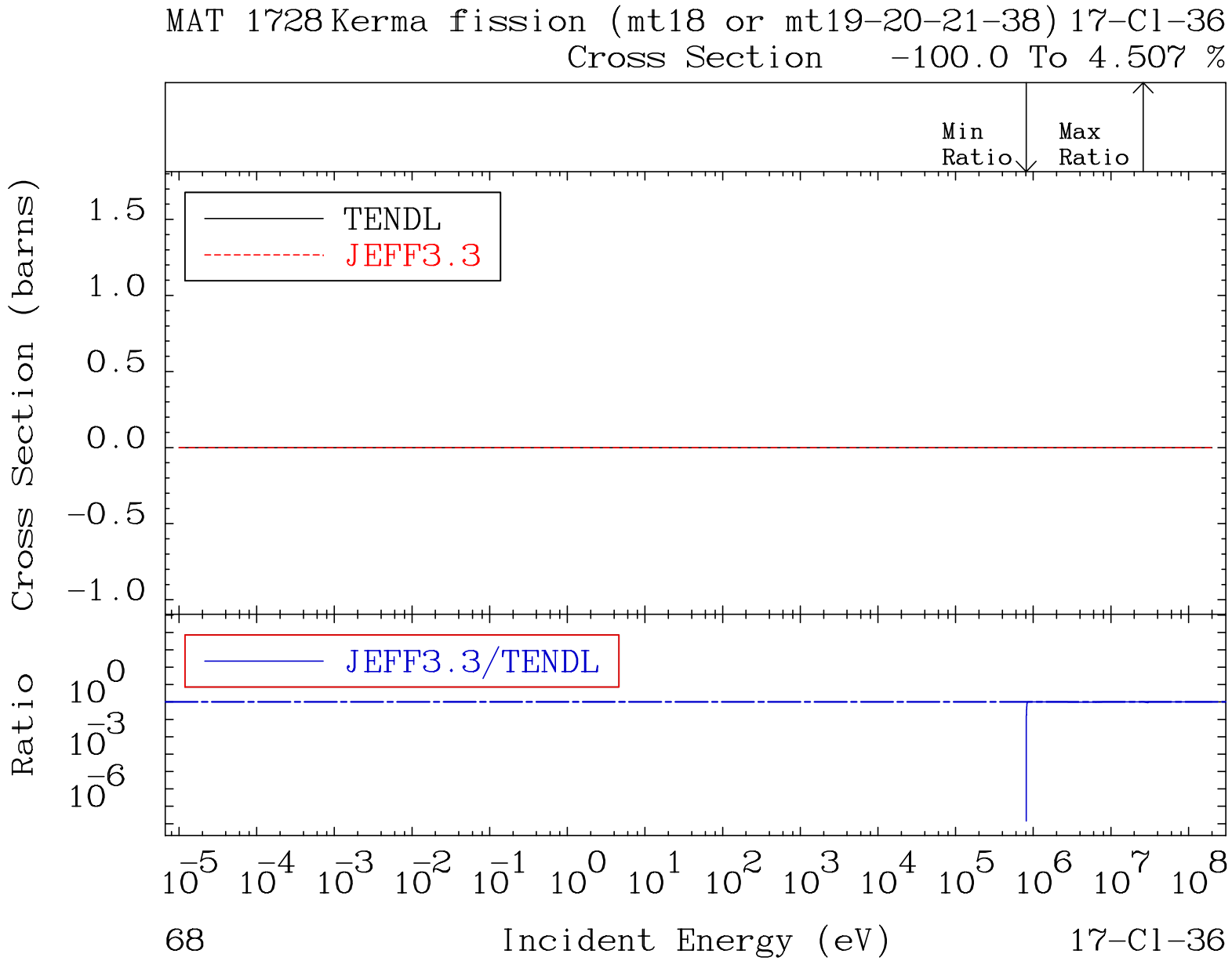

MAT 1728
He-4 Production
Cross Section
17-Cl-36
-8.743 To 61.84 %
Min
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
17-Cl-36

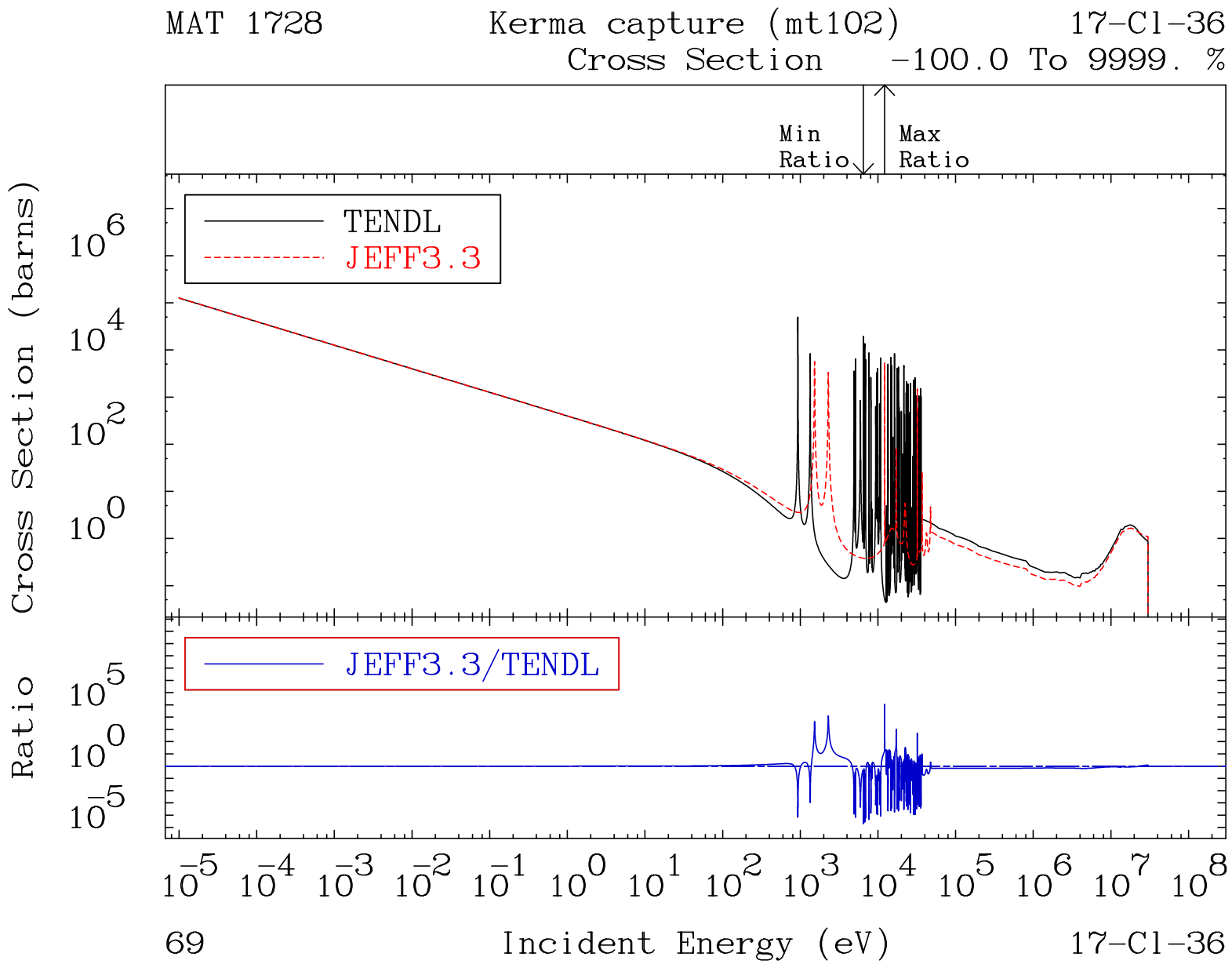

MAT 1728
Kerma total (eV-barns)
17-Cl-36
Cross Section -97.81 To 2073. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
17-Cl-36

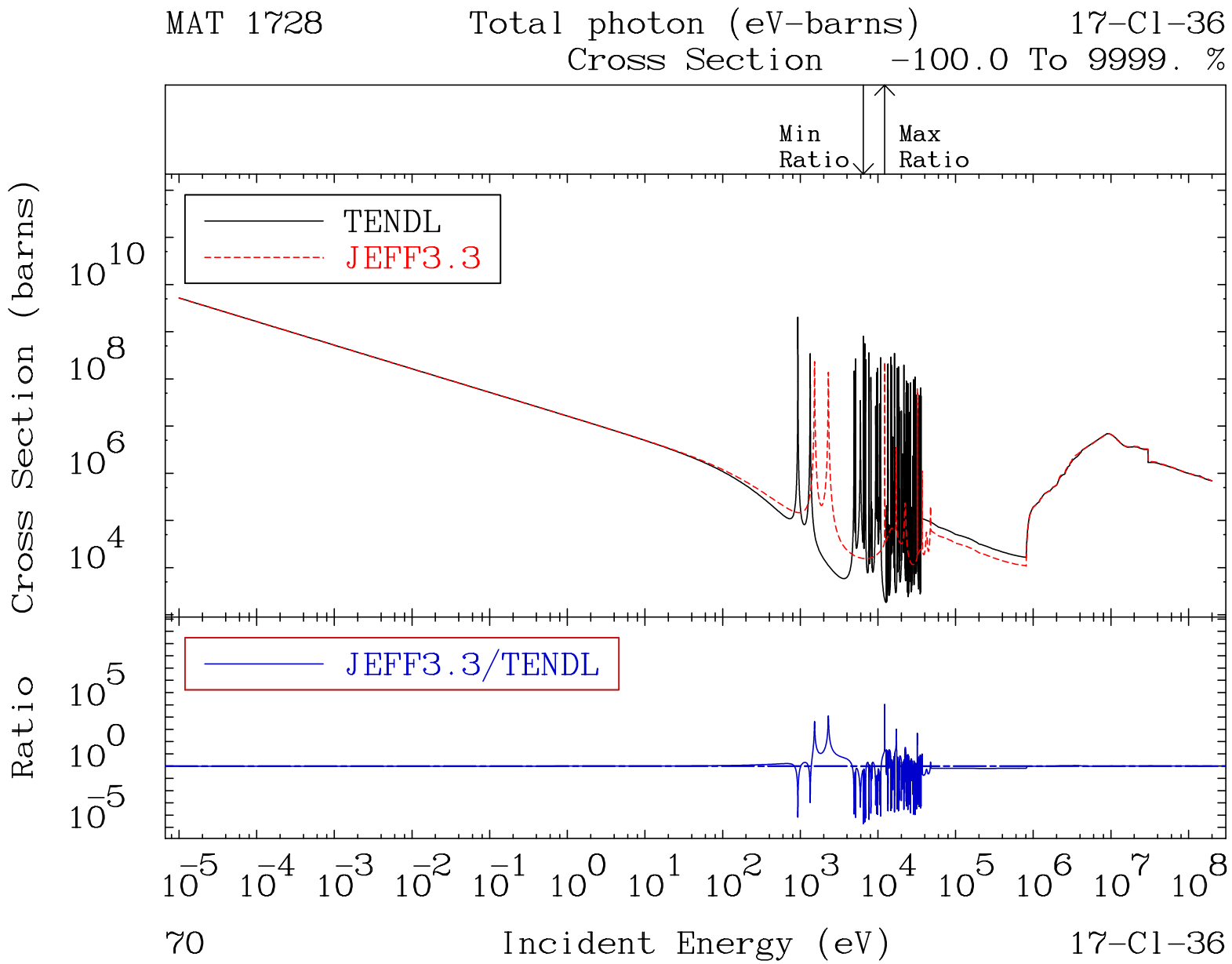

MAT 1728
Kerma elastic
Cross Section
17-Cl-36
-99.08 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
65
17-Cl-36

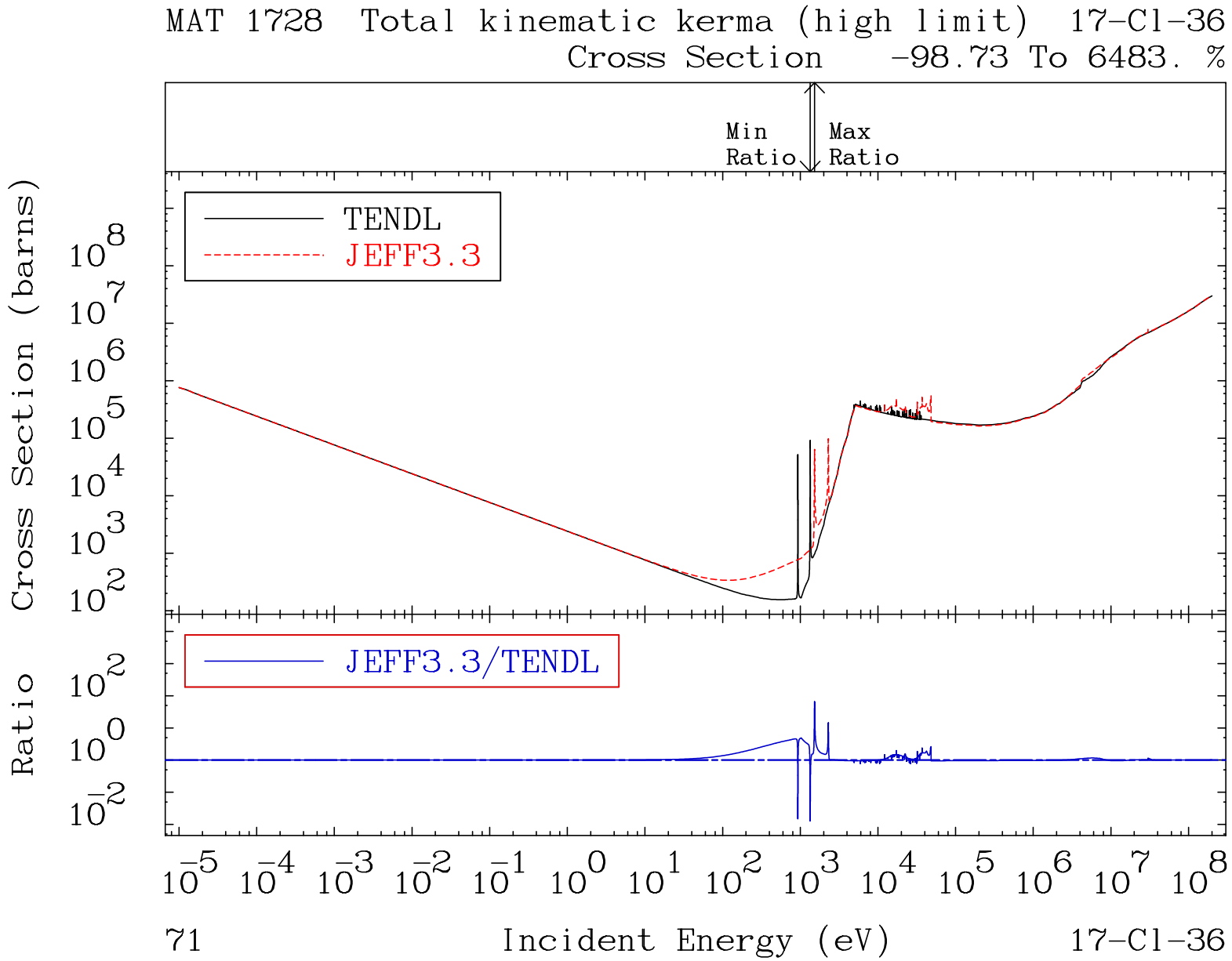

MAT 1728 Kerma non-elastic (all but mt2) 17-Cl-36
Cross Section -99.06 To 197.1 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
66
17-Cl-36

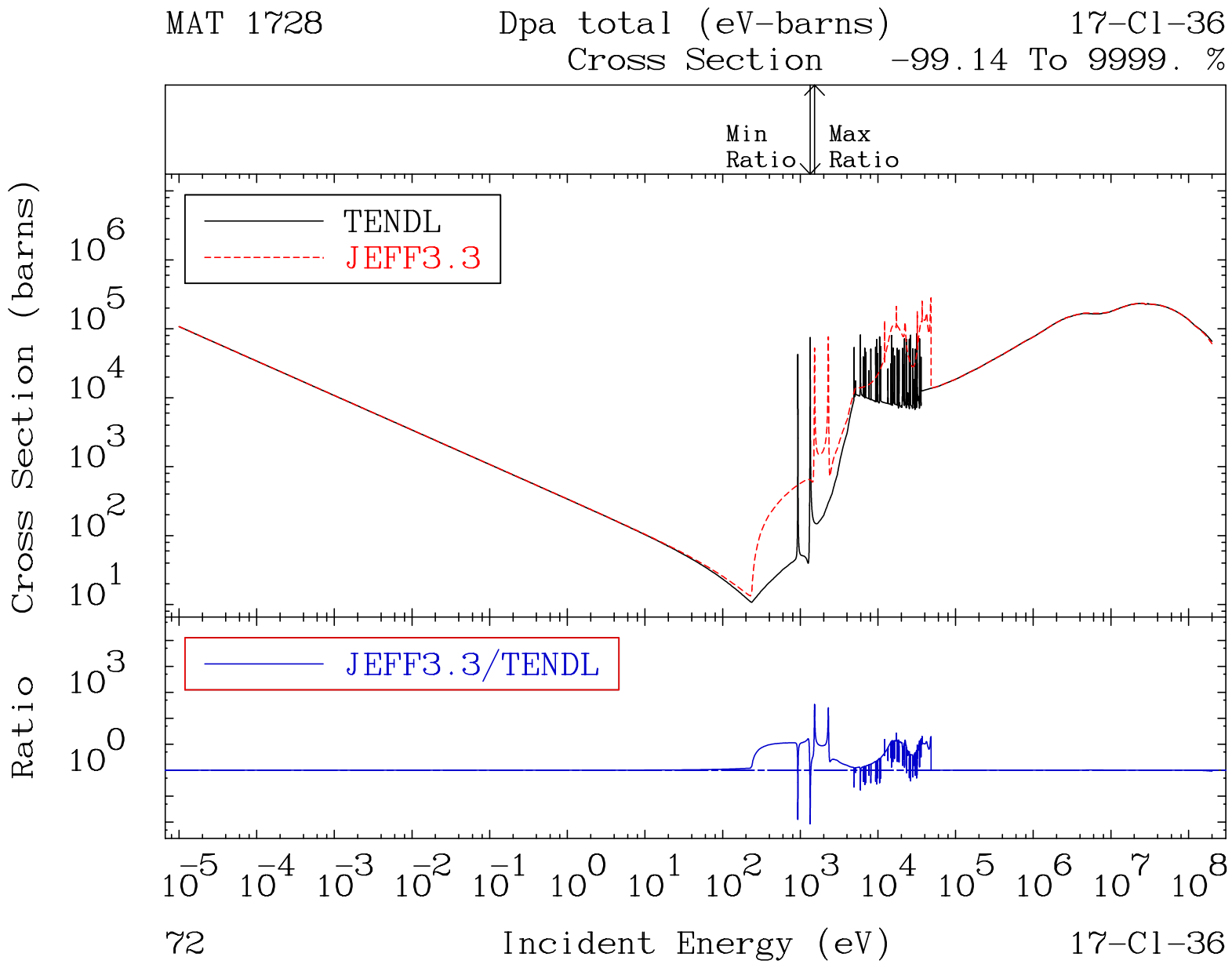

MAT 1728
Kerma inelastic (mt51-91)
17-Cl-36
Cross Section -100.0 To 4.507 %
Min Ratio
Max Ratio
TENDL Threshold 810.54 keV
JEFF3.3 Threshold 810.54 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
67
17-Cl-36

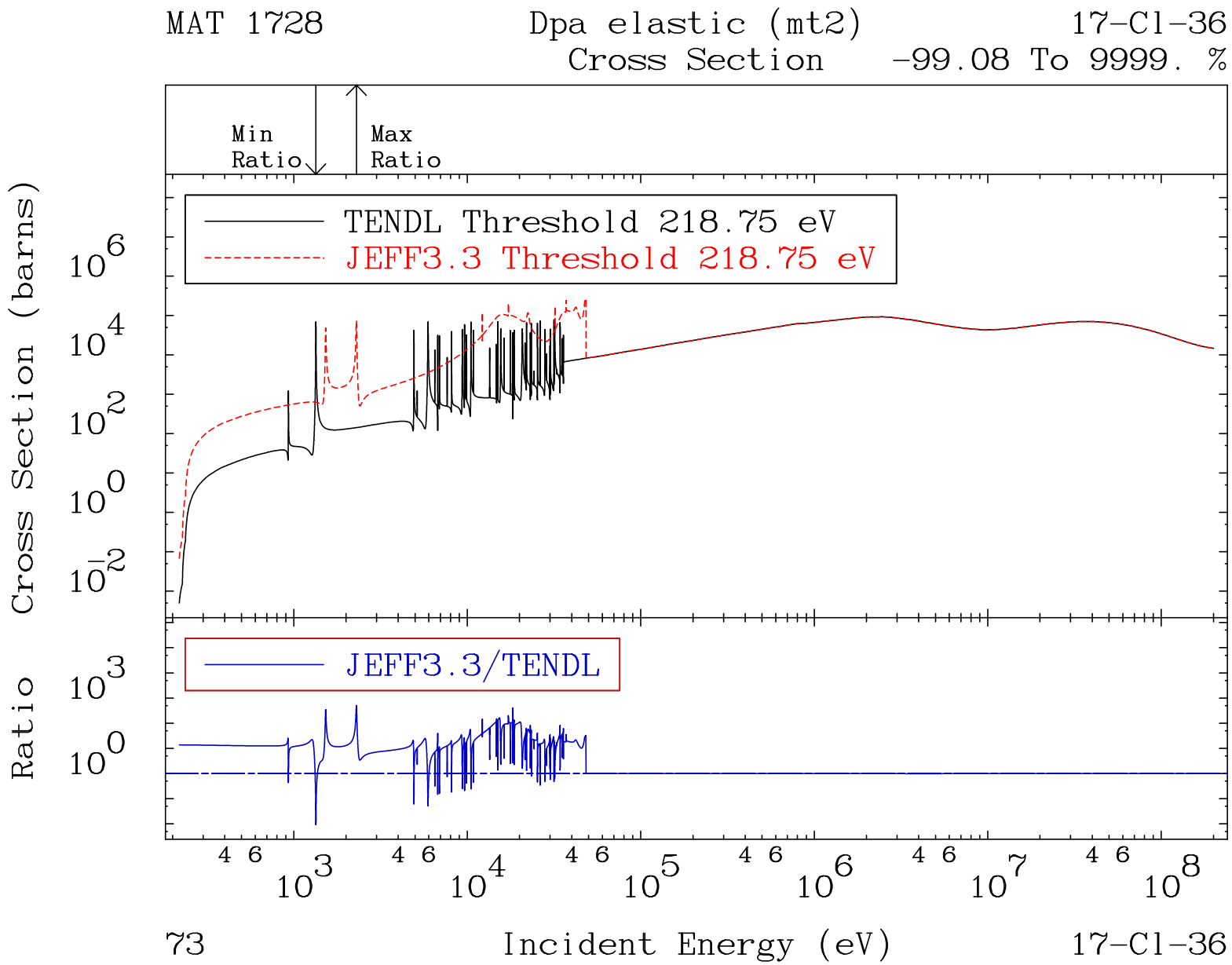

MAT 1728 Kerma fission (mt18 or mt19-20-21-38) 17-Cl-36
Cross Section -100.0 To 4.507 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{0}
10^{-3}
10^{-6}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
68
Incident Energy (eV)
17-Cl-36

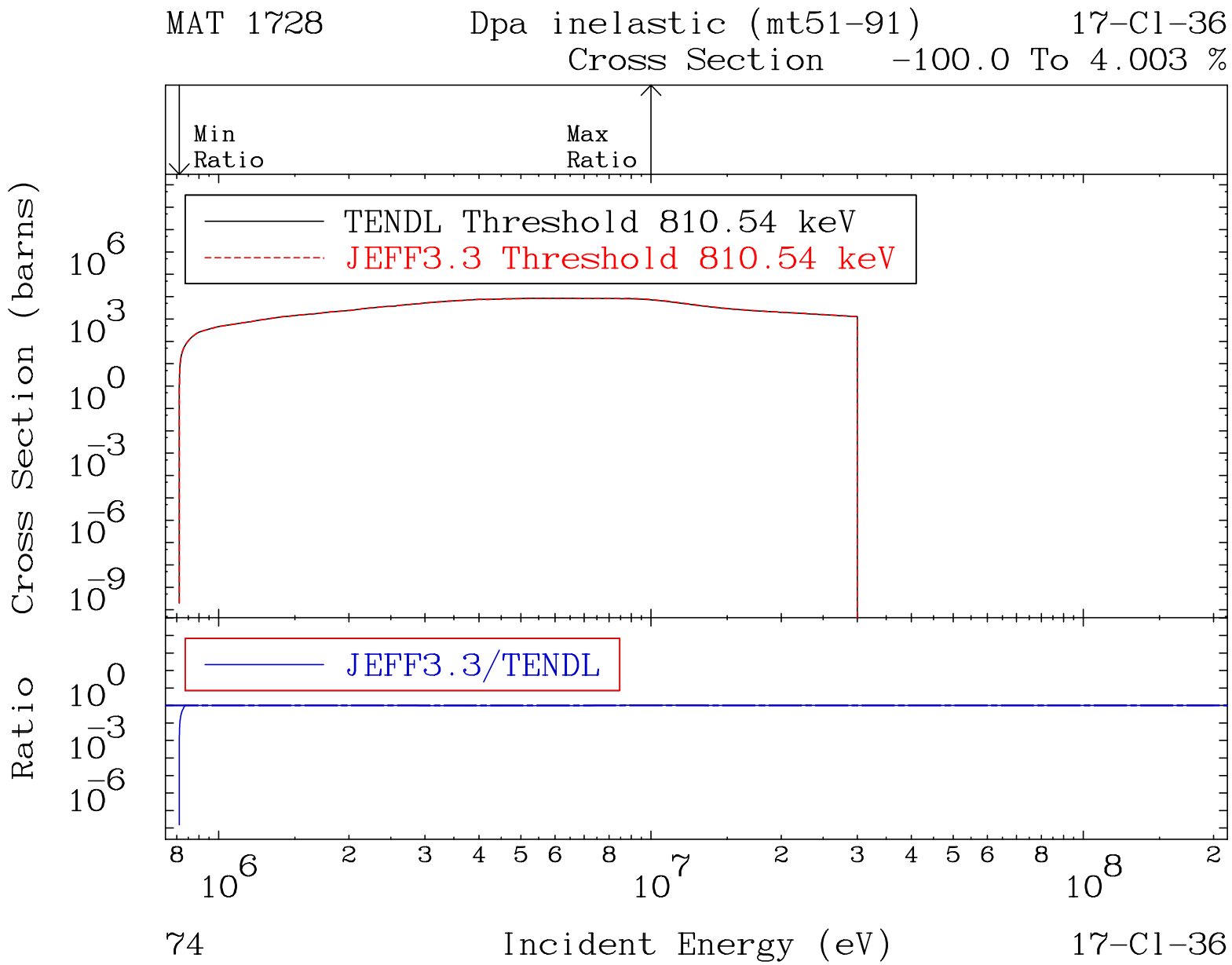

MAT 1728
Kerma capture (mt102)
17-Cl-36
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
69
17-Cl-36

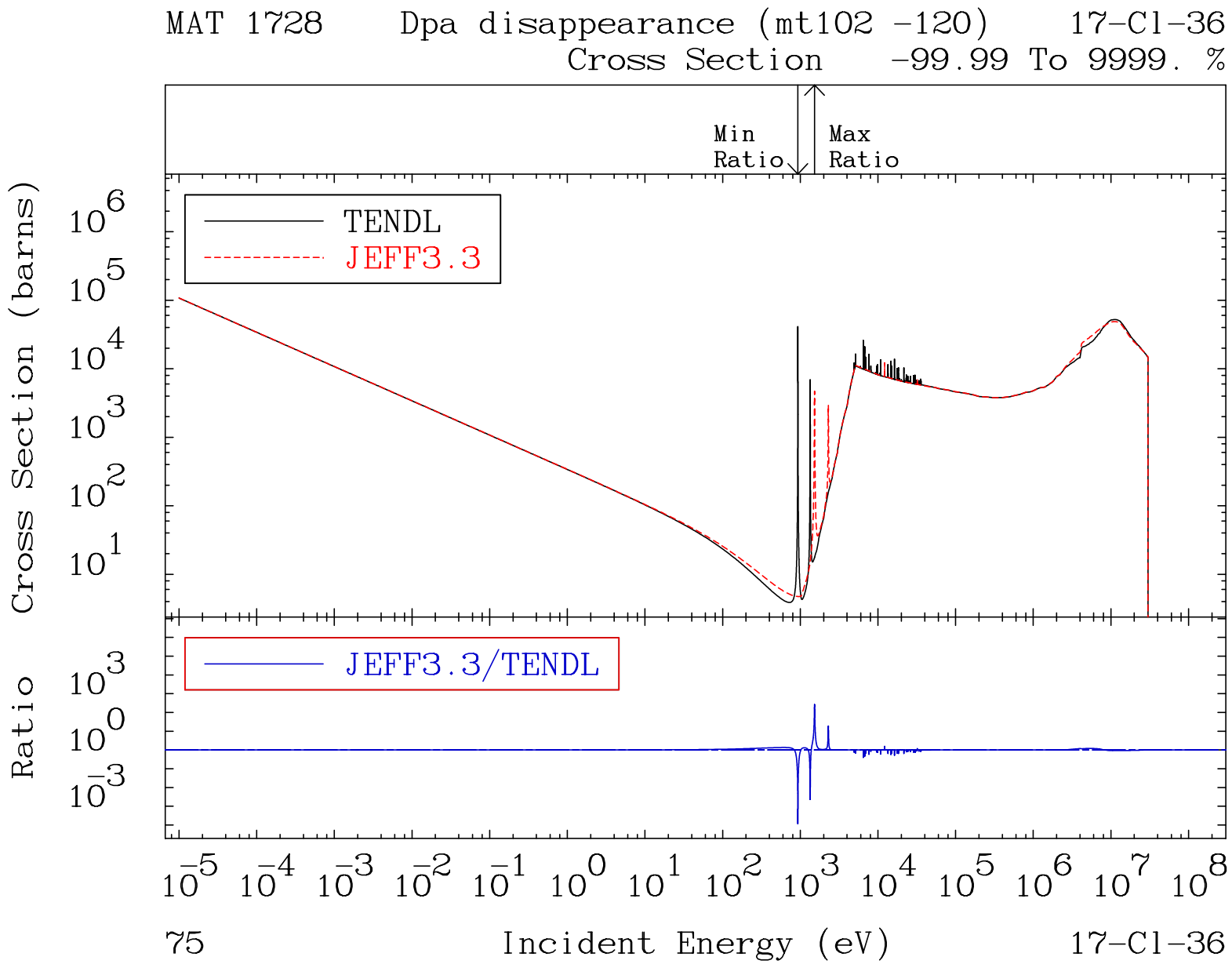

MAT 1728
Total photon (eV-barns)
17-Cl-36
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
70
17-Cl-36

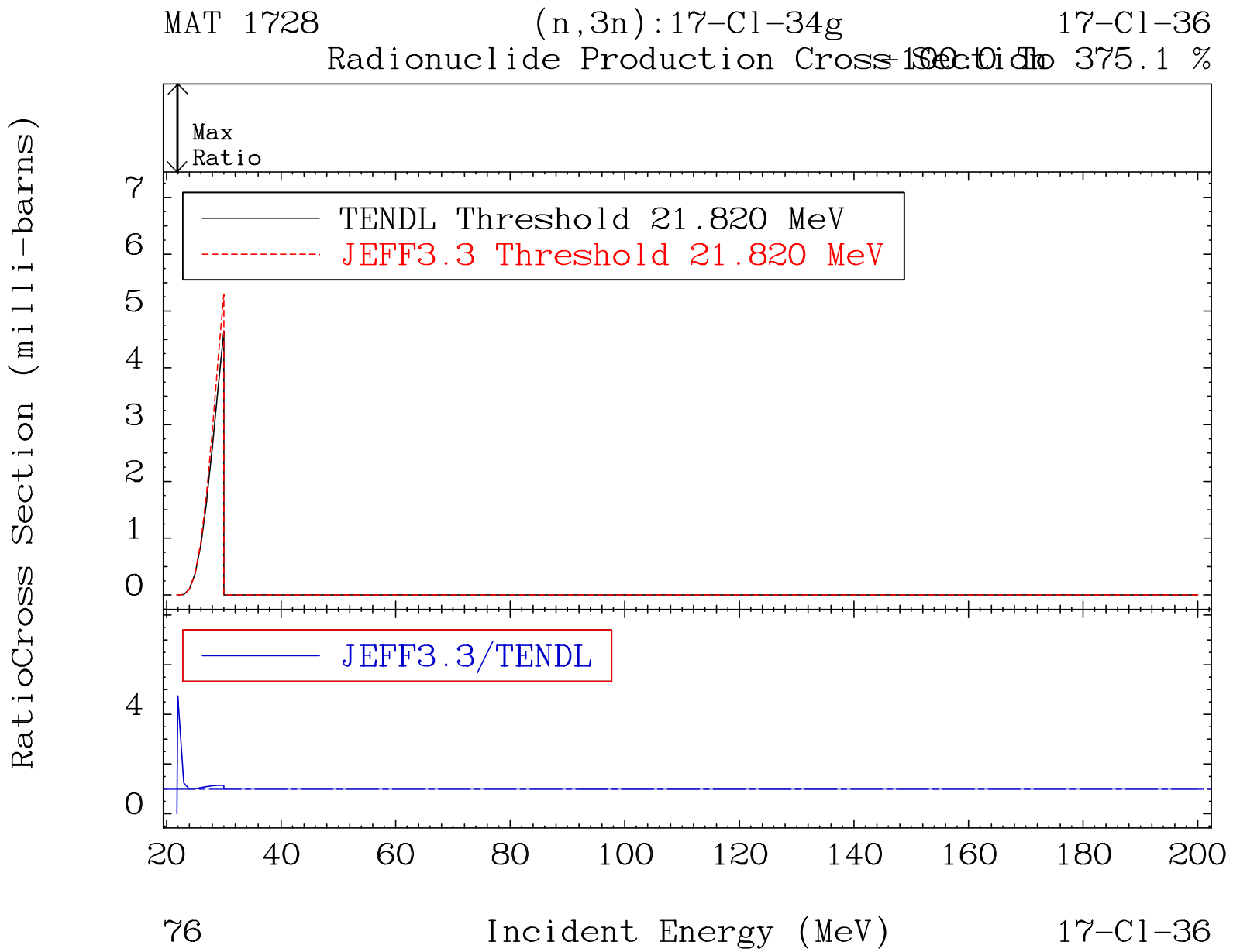

MAT 1728 Total kinematic kerma (high limit) 17-Cl-36
Cross Section -98.73 To 6483. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
71
17-Cl-36

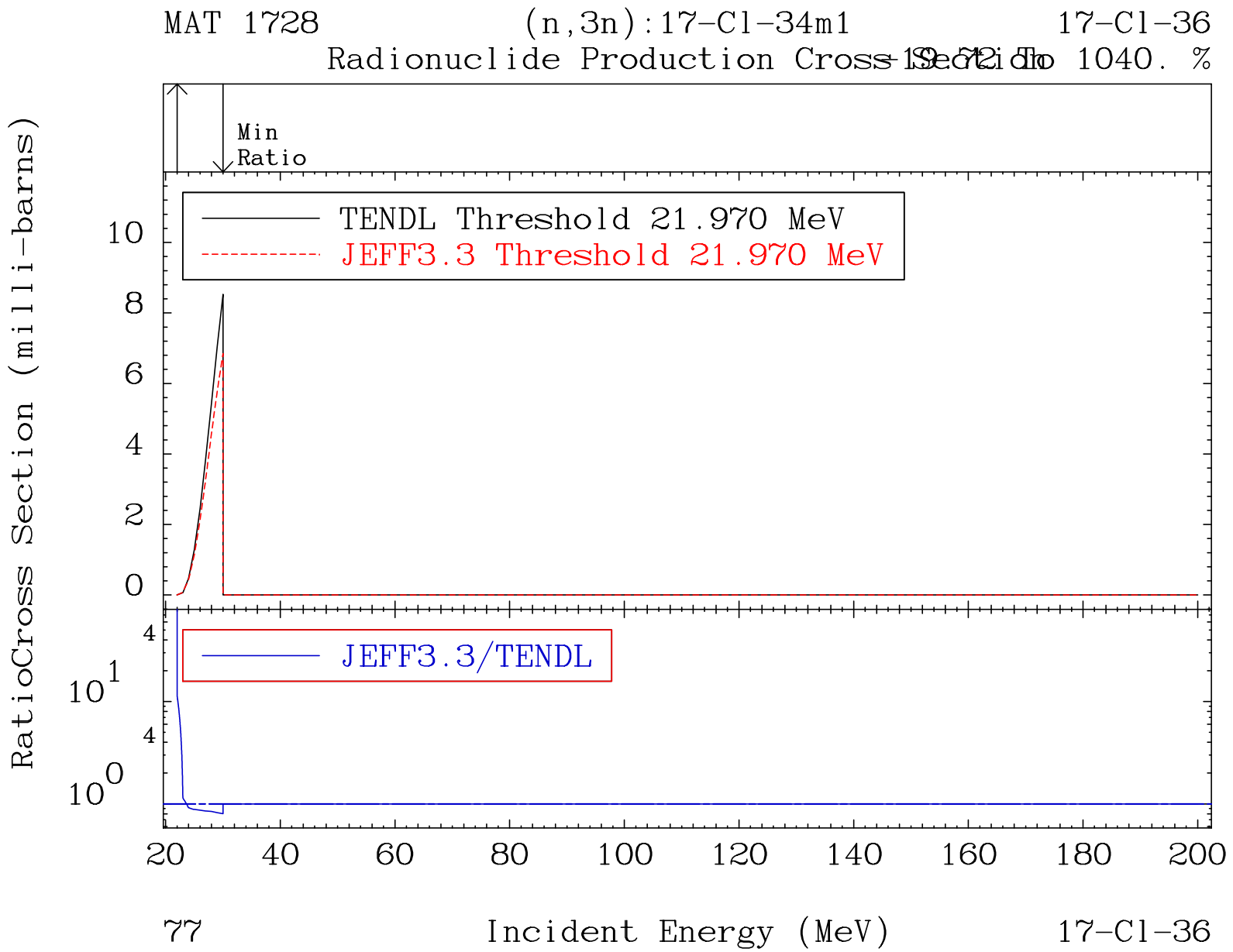

MAT 1728
Dpa total (eV-barns)
17-Cl-36
Cross Section -99.14 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
72
17-Cl-36


MAT 1728
Dpa elastic (mt2)
Cross Section
17-Cl-36
-99.08 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 218.75 eV
JEFF3.3 Threshold 218.75 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
73
17-Cl-36


MAT 1728
Dpa inelastic (mt51-91)
17-Cl-36
Cross Section
-100.0 To 4.003 %
Min Ratio
Max Ratio
TENDL Threshold 810.54 keV
JEFF3.3 Threshold 810.54 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
74
17-Cl-36


MAT 1728 Dpa disappearance (mt102 -120) 17-Cl-36
Cross Section -99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
75
17-Cl-36


MAT 1728
(n,3n):17-Cl-34g
17-Cl-36
Radionuclide Production Cross Section To 375.1 %
Max
Ratio
TENDL Threshold 21.820 MeV
JEFF3.3 Threshold 21.820 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (MeV)
76
17-Cl-36


MAT 1728
(n,3n):17-Cl-34m1
17-Cl-36
Radionuclide Production Cross Section
19.72 To 1040. %
Min
Ratio
TENDL Threshold 21.970 MeV
JEFF3.3 Threshold 21.970 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (MeV)
77
17-Cl-36