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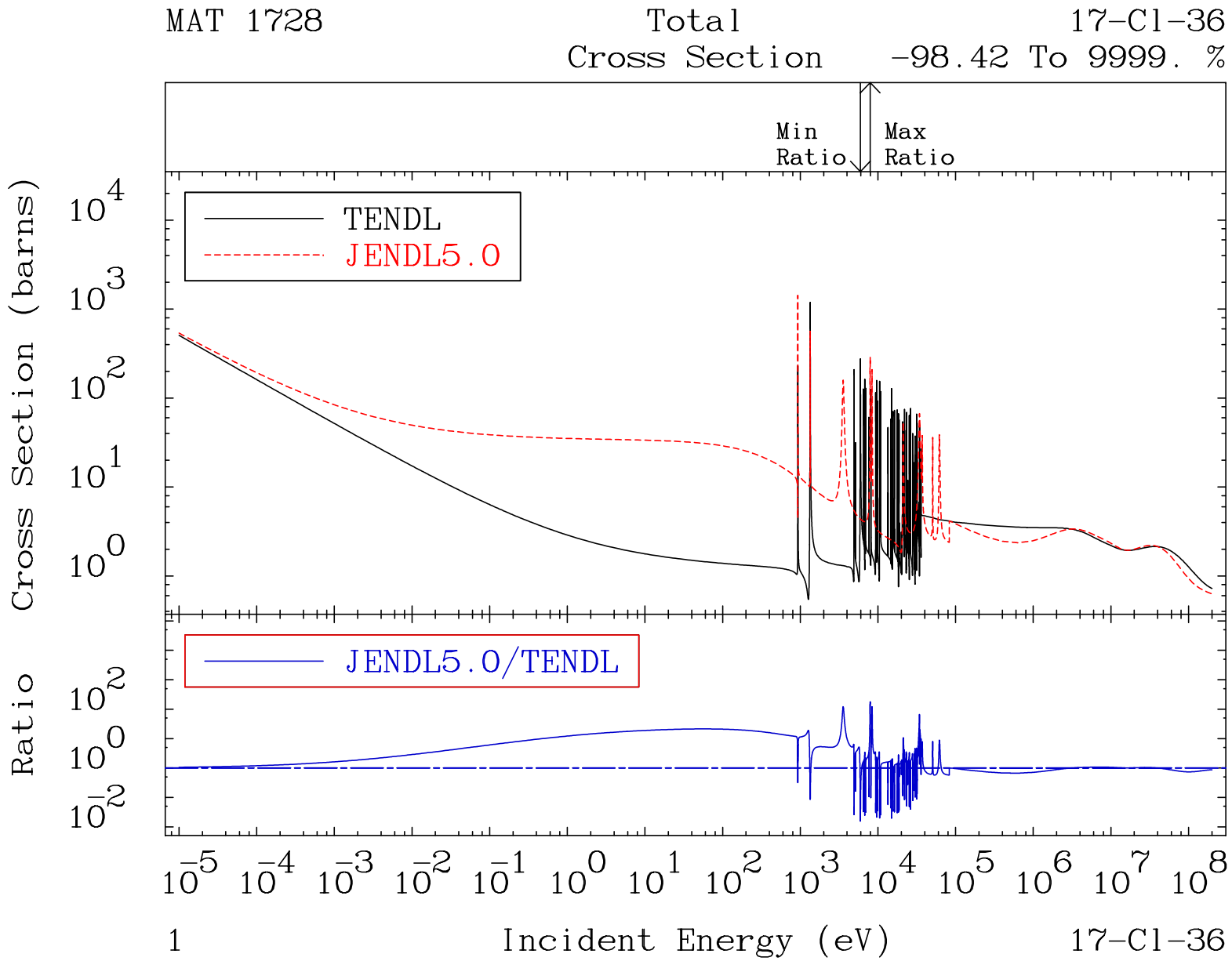
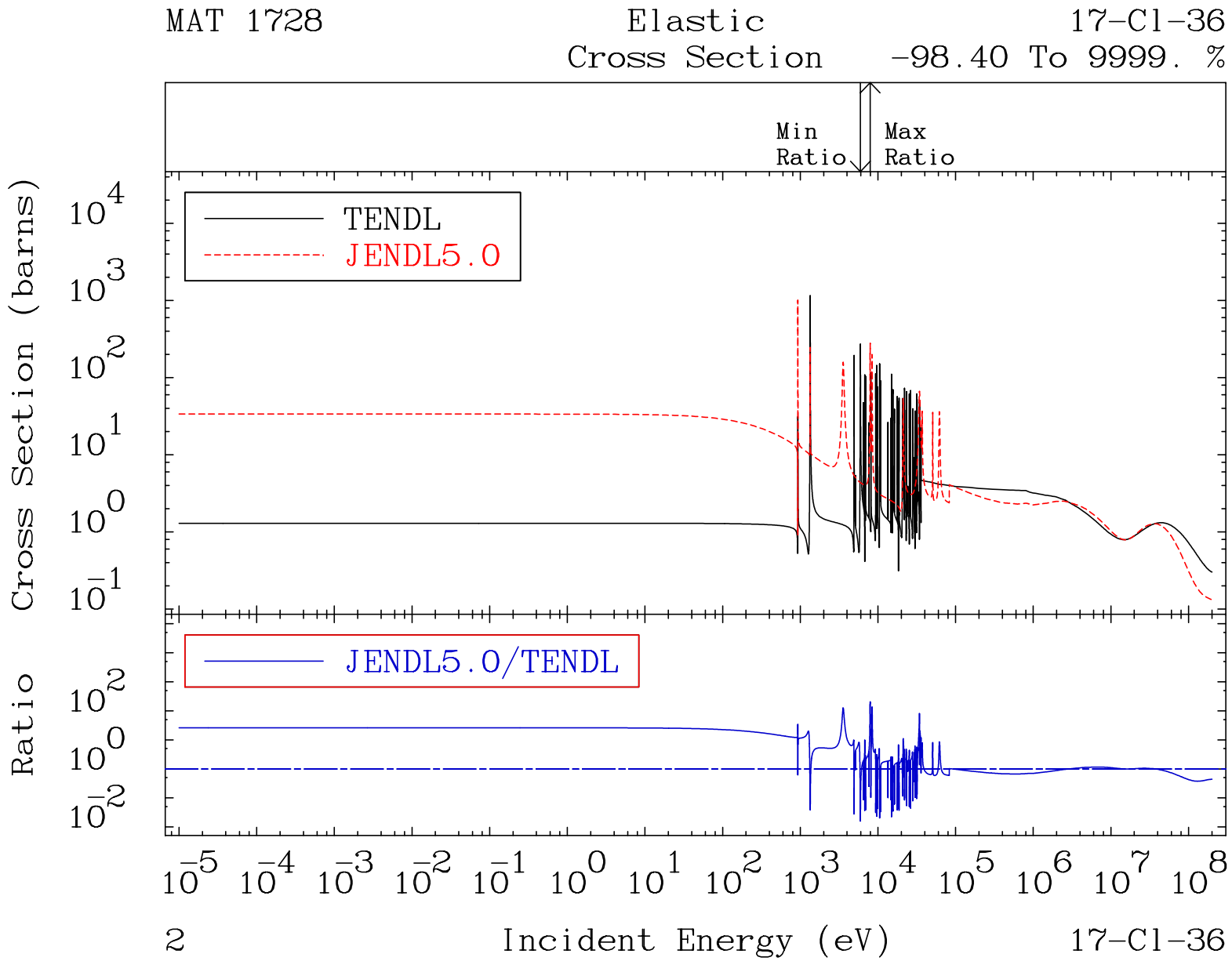
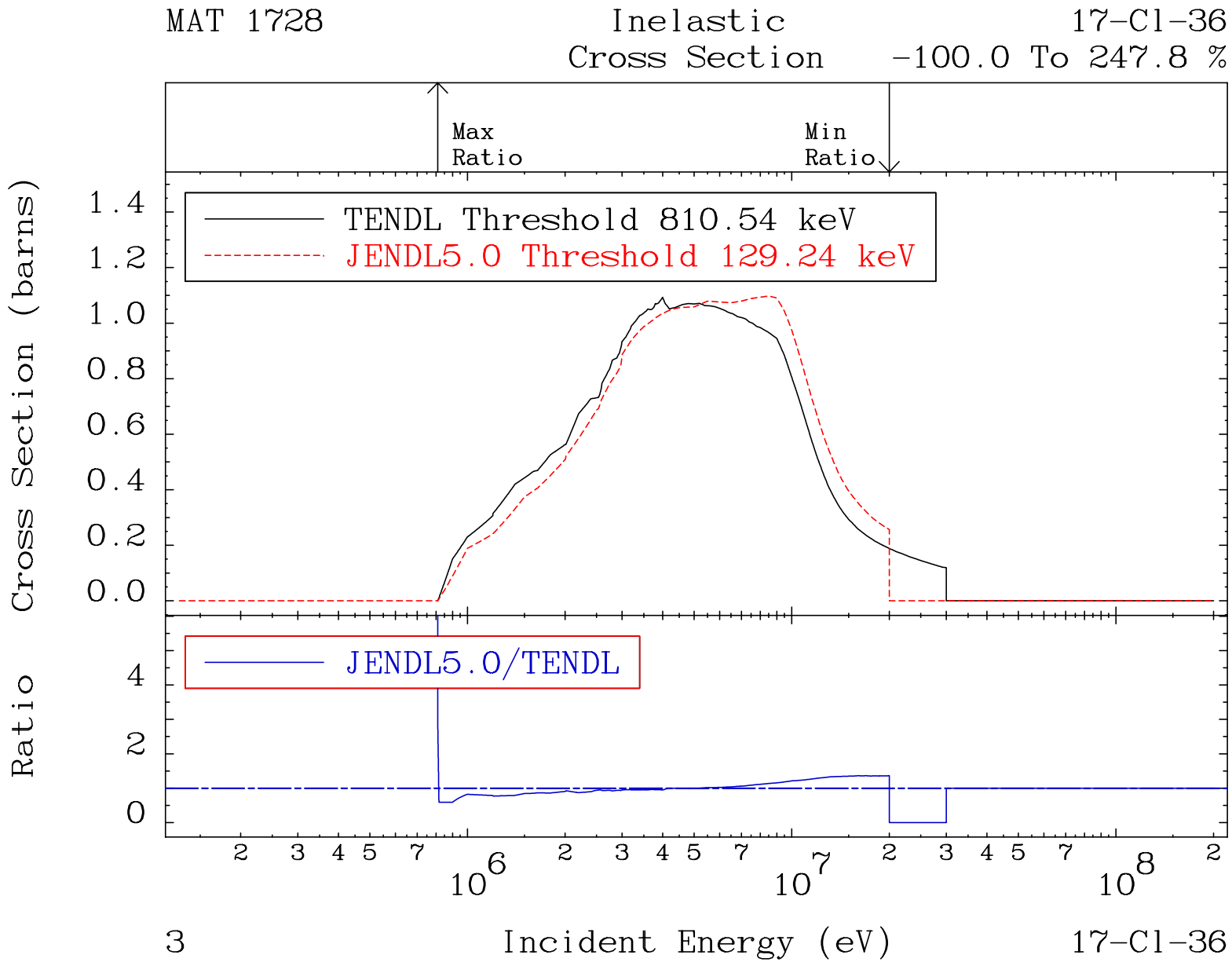
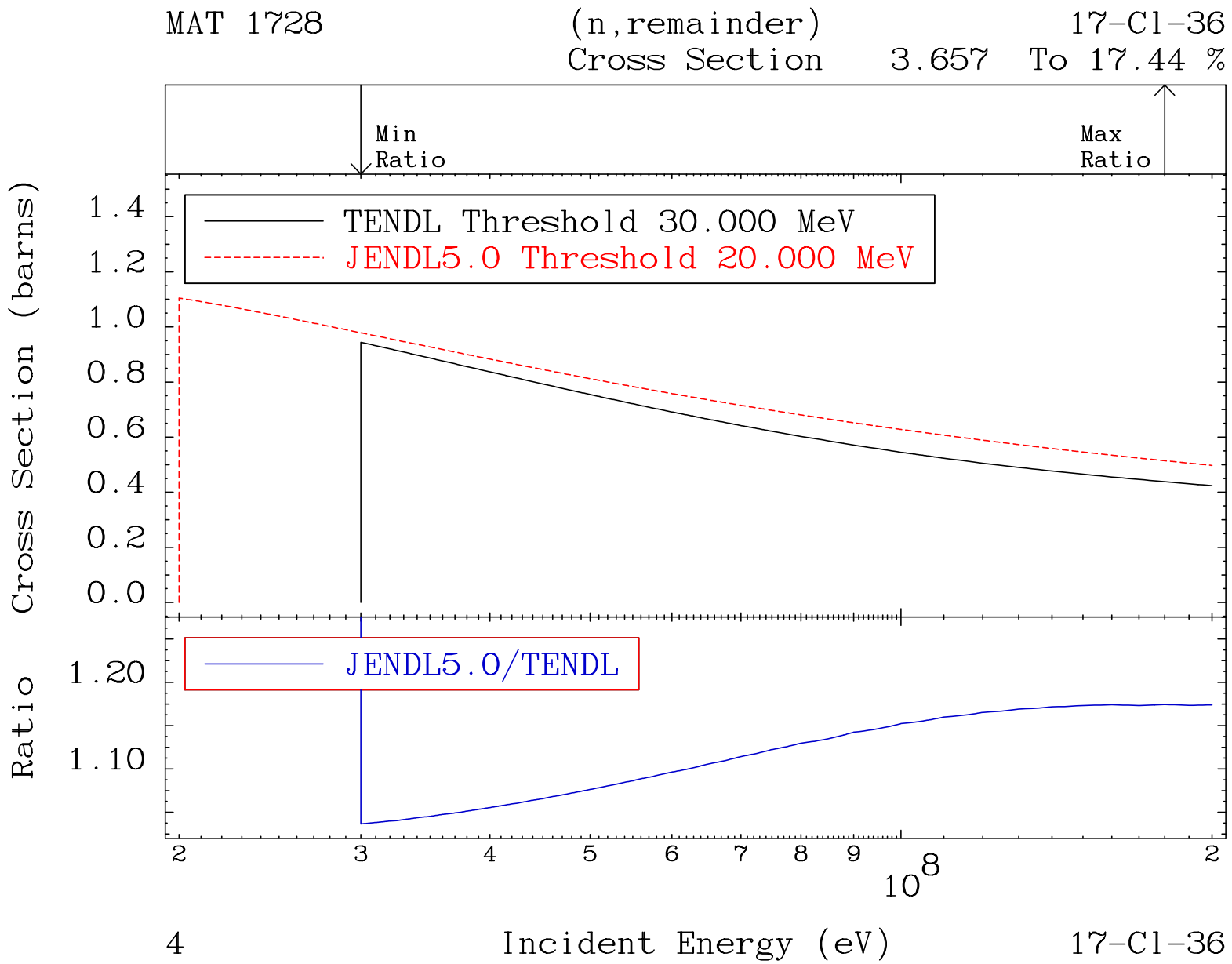
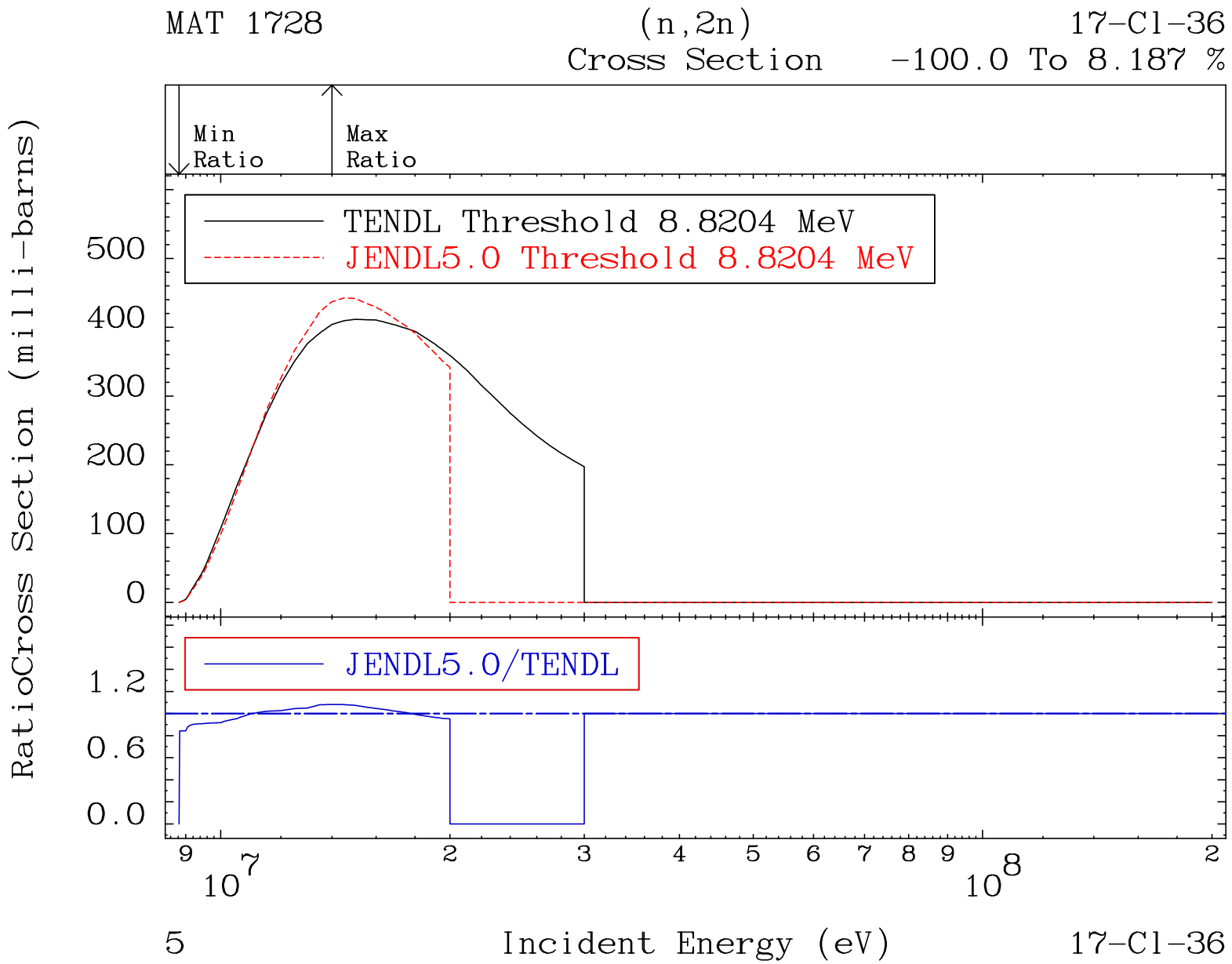
Press Mouse Button to Start

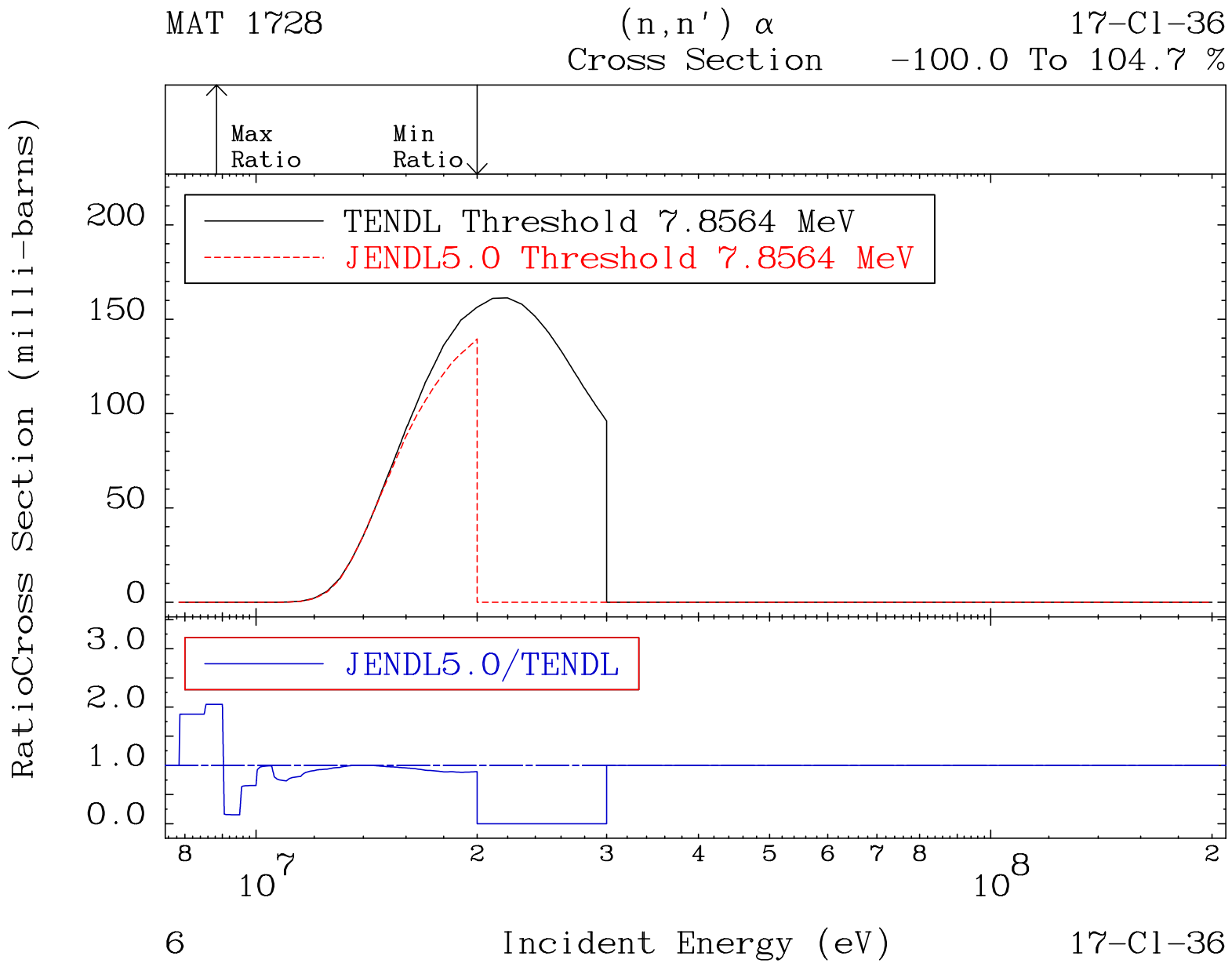

MAT 1728
Total
Cross Section
17-Cl-36
-98.42 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
17-Cl-36

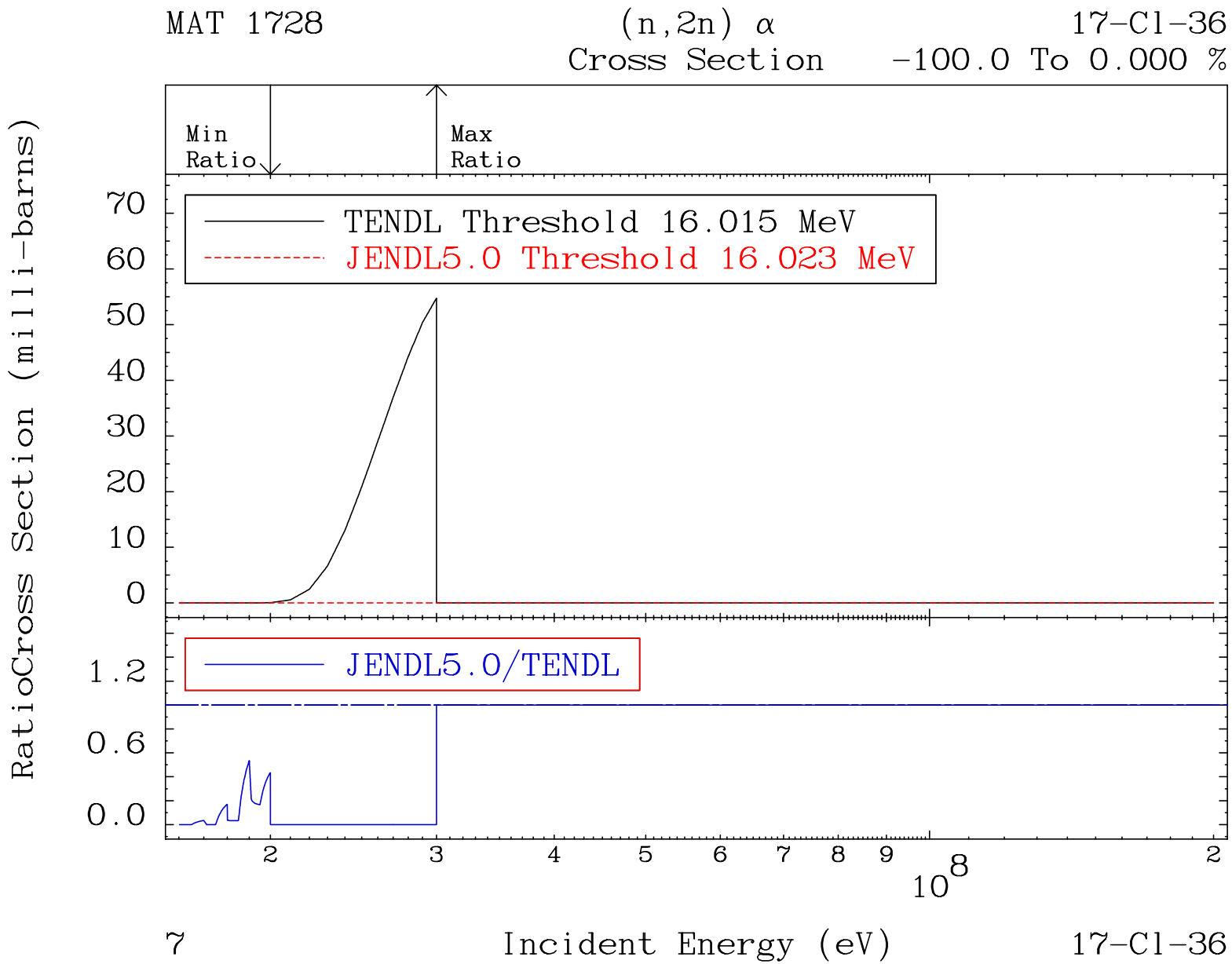

MAT 1728
Elastic
Cross Section
17-Cl-36
-98.40 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
17-Cl-36

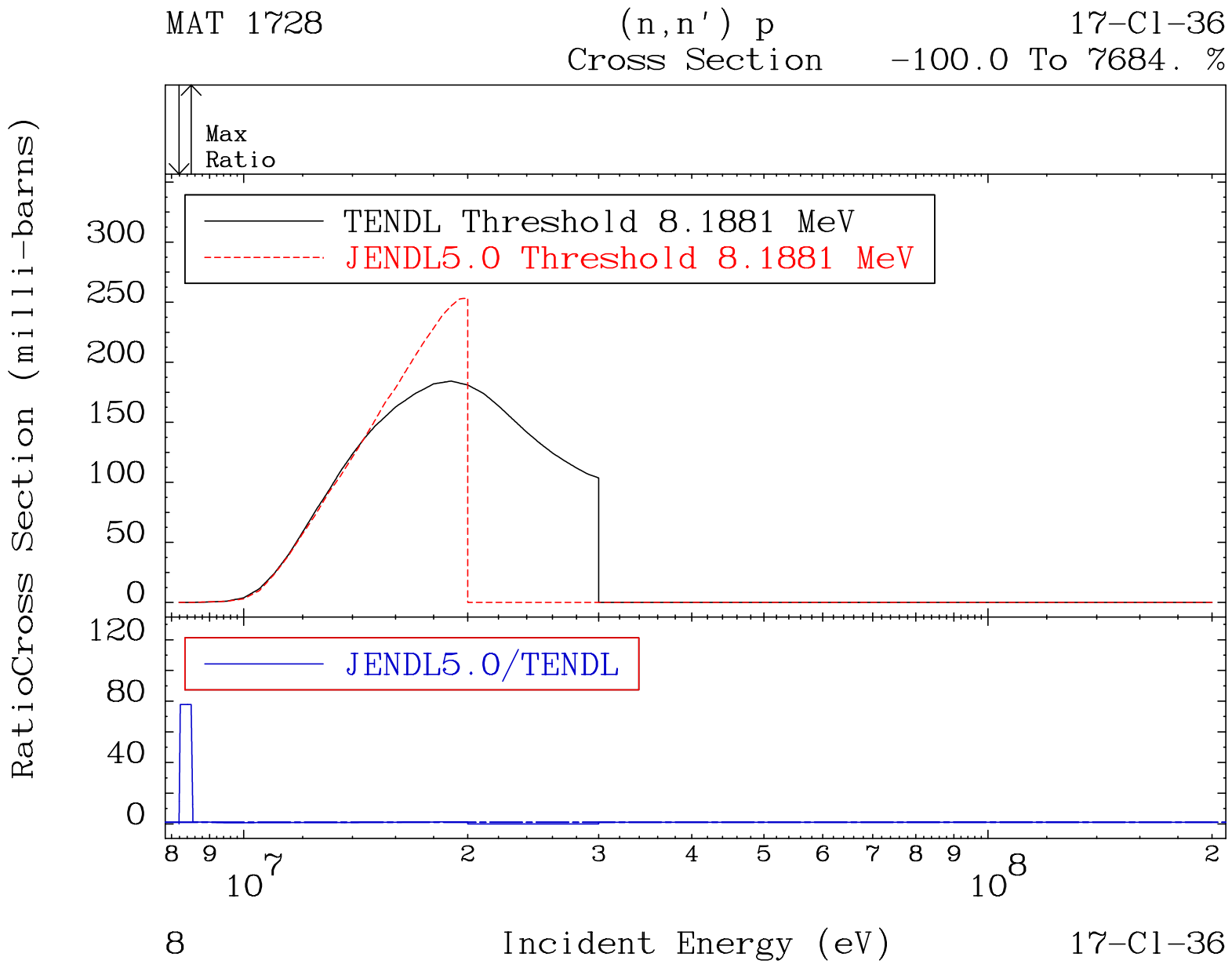

MAT 1728
Inelastic
Cross Section
17-Cl-36
-100.0 To 247.8 %
Max
Ratio
Min
Ratio
TENDL Threshold 810.54 keV
JENDL5.0 Threshold 129.24 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
4
2
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
Incident Energy (eV)
3
17-Cl-36

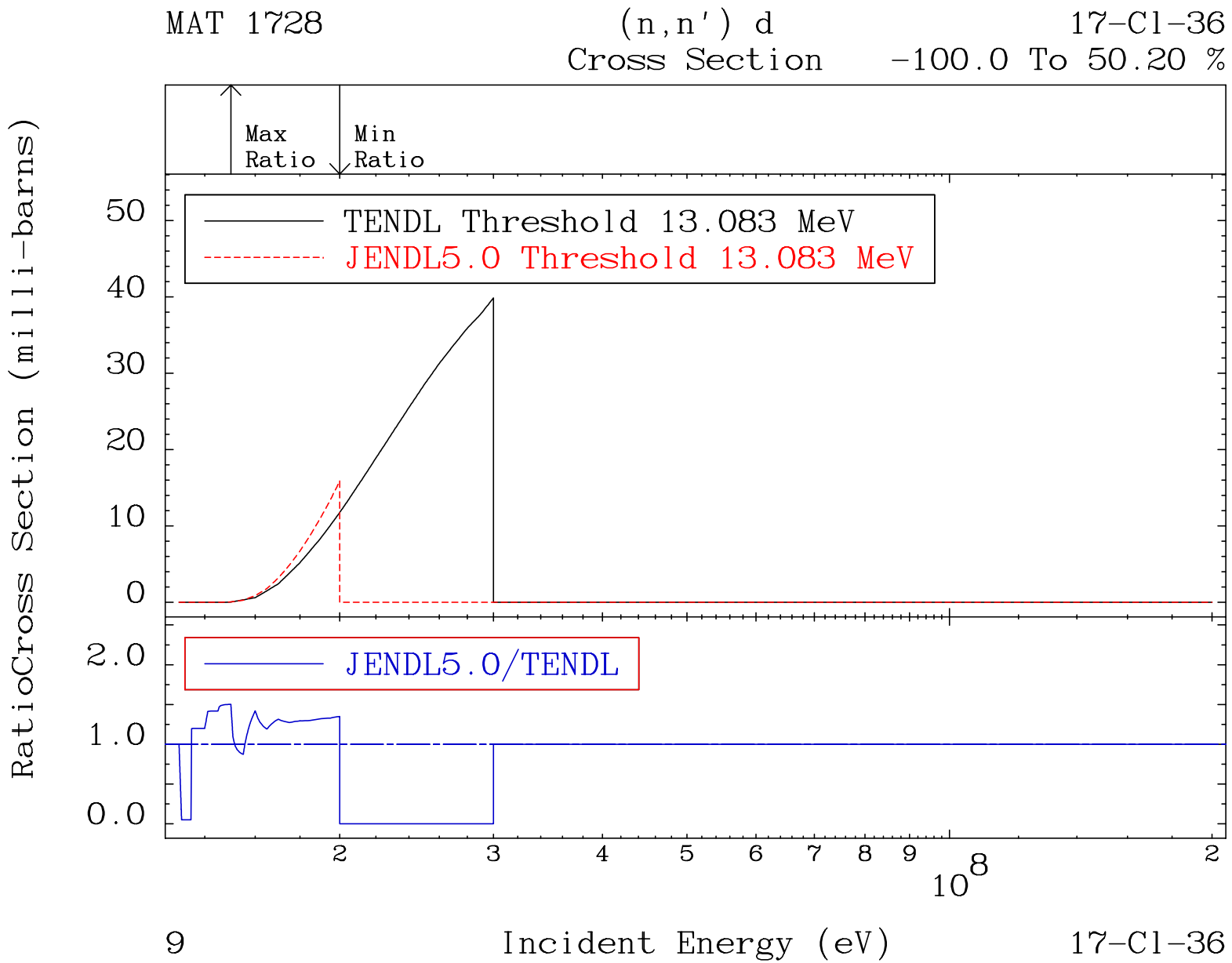

MAT 1728
(n,remainder)
17-Cl-36
Cross Section 3.657 To 17.44 %
Min Ratio
Max Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
1.20
1.10
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
17-Cl-36

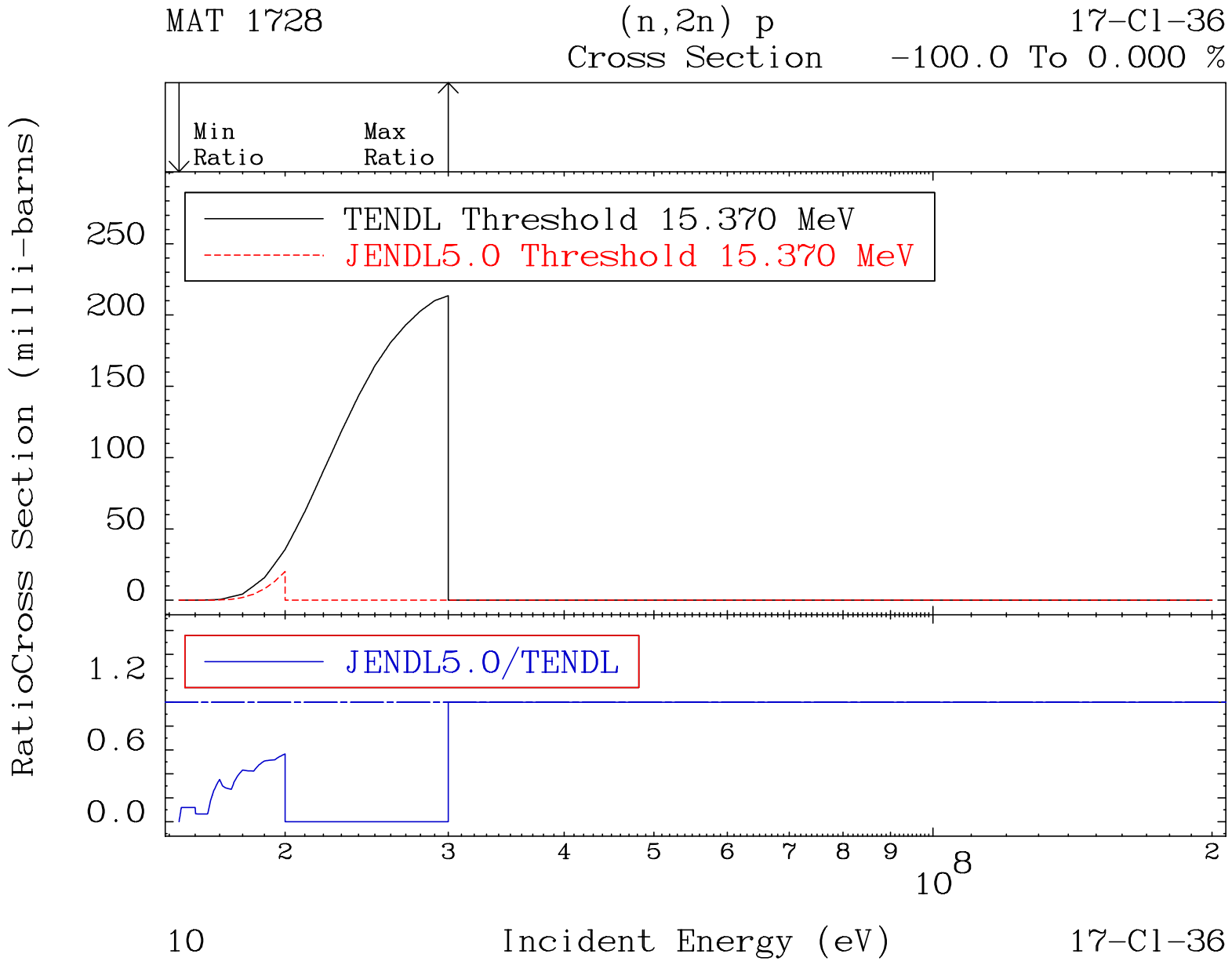

MAT 1728
(n,2n)
Cross Section
17-Cl-36
-100.0 To 8.187 %
Min Ratio
Max Ratio
TENDL Threshold 8.8204 MeV
JENDL5.0 Threshold 8.8204 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
1.2
0.6
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
17-Cl-36

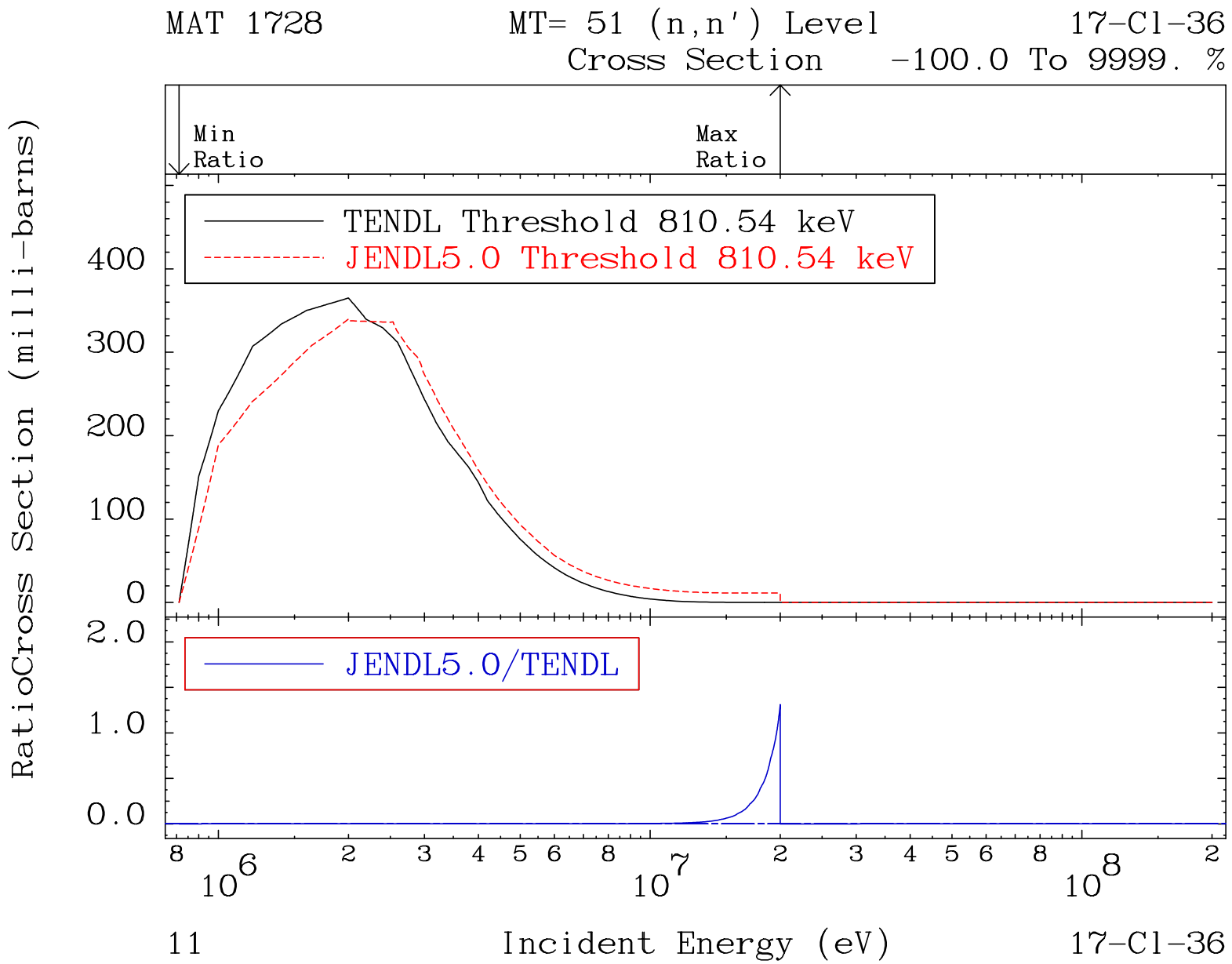

MAT 1728
(n,n') α
17-Cl-36
Cross Section
-100.0 To 104.7 %
Max Ratio
Min Ratio
TENDL Threshold 7.8564 MeV
JENDL5.0 Threshold 7.8564 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
3.0
2.0
1.0
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
6
Incident Energy (eV)
17-Cl-36

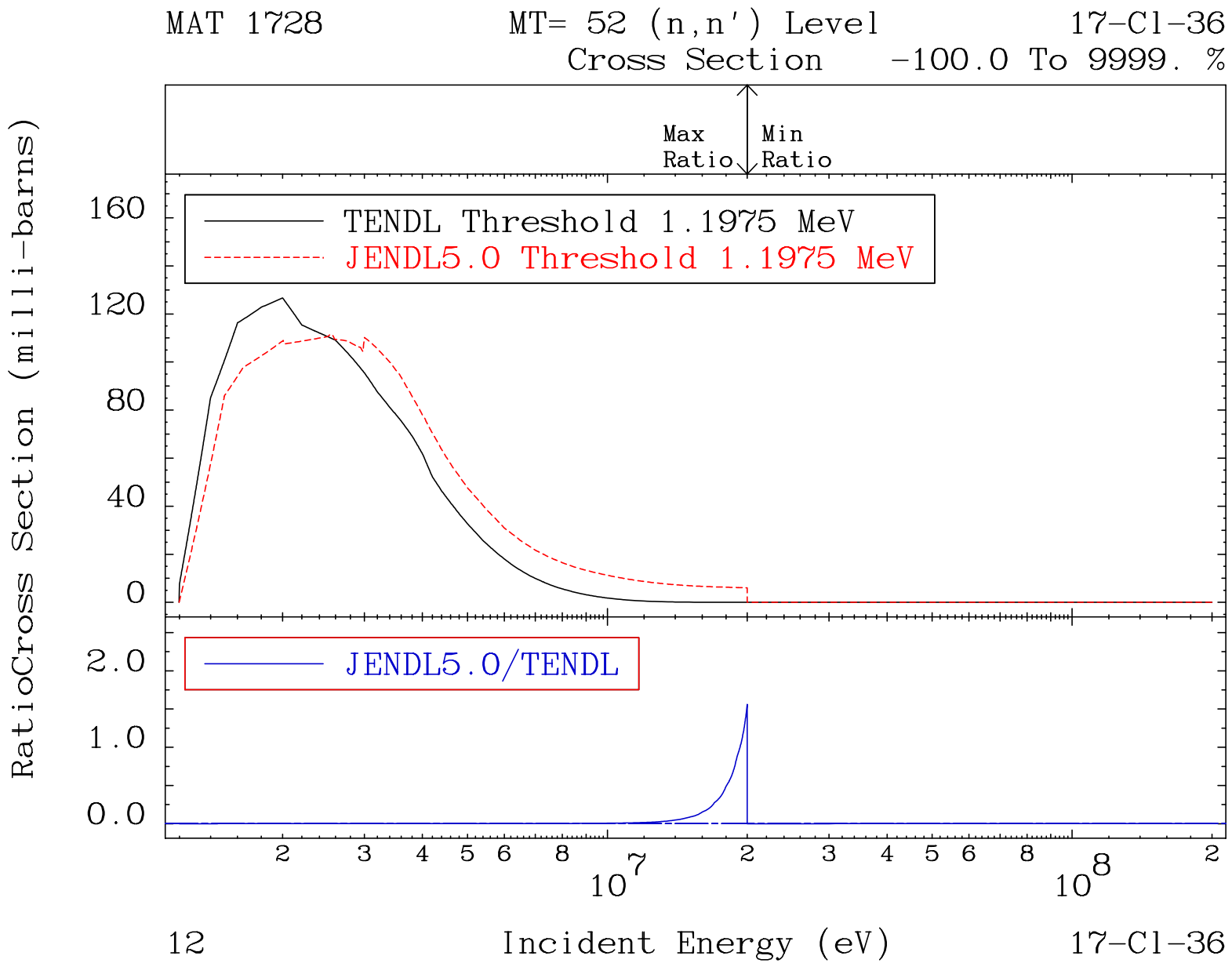

MAT 1728
(n,2n) α
17-Cl-36
Cross Section
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 16.015 MeV
JENDL5.0 Threshold 16.023 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
2
10^8
7
Incident Energy (eV)
17-Cl-36

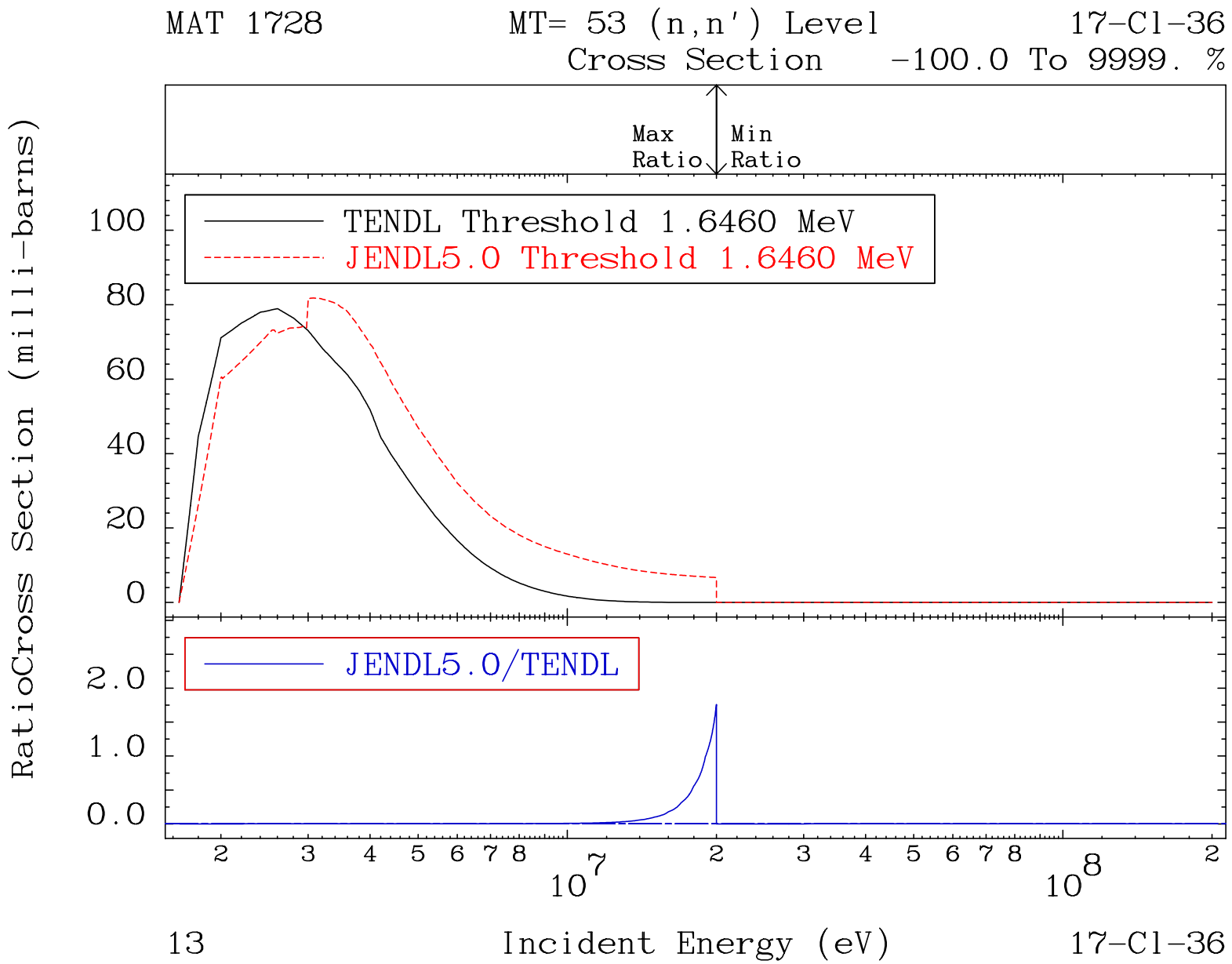

MAT 1728
(n,n') p
Cross Section
17-Cl-36
-100.0 To 7684. %
Max
Ratio
TENDL Threshold 8.1881 MeV
JENDL5.0 Threshold 8.1881 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
120
80
40
0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
8
Incident Energy (eV)
17-Cl-36

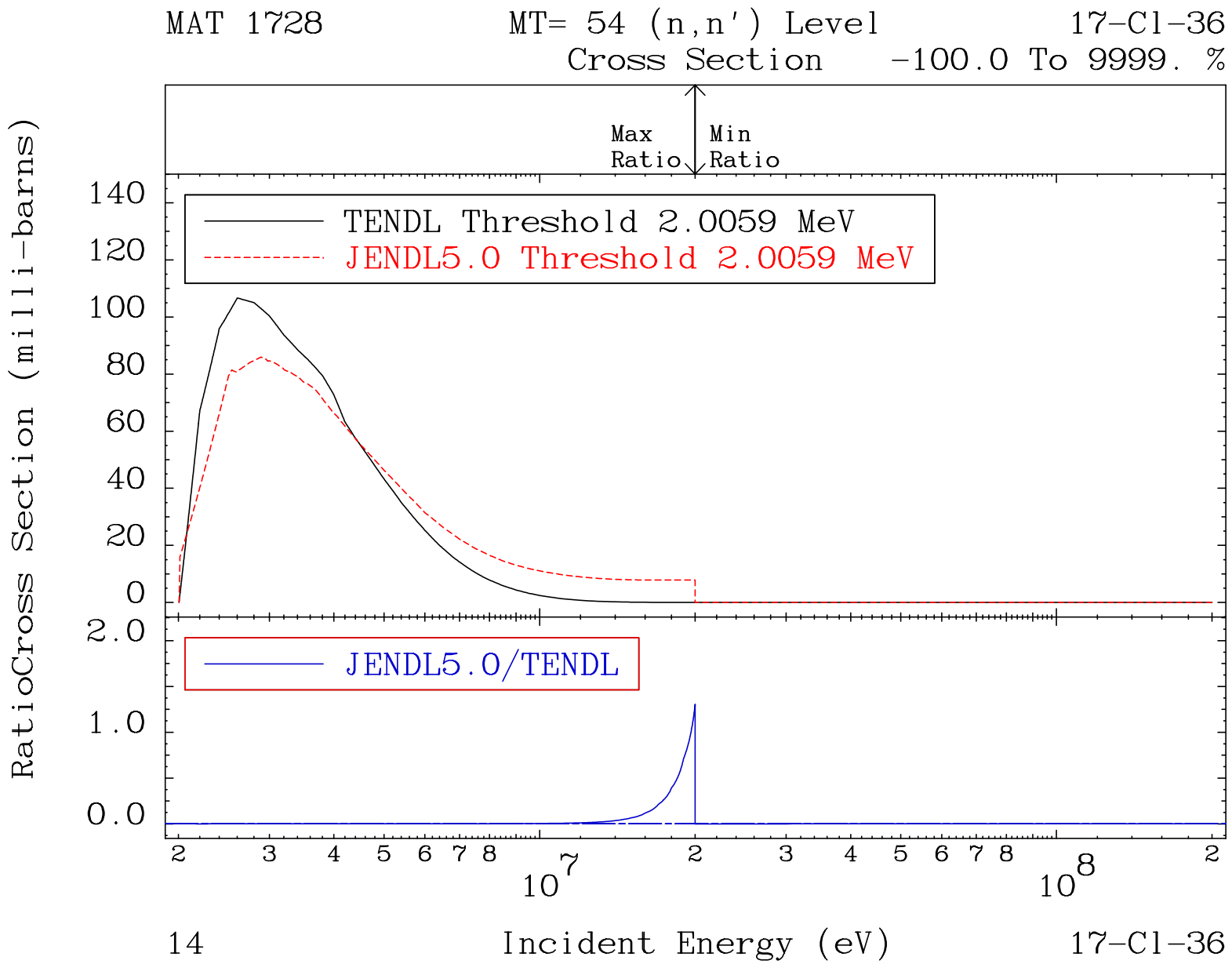

MAT 1728
(n,n') d
Cross Section
17-Cl-36
-100.0 To 50.20 %
Max Ratio
Min Ratio
TENDL Threshold 13.083 MeV
JENDL5.0 Threshold 13.083 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
17-Cl-36

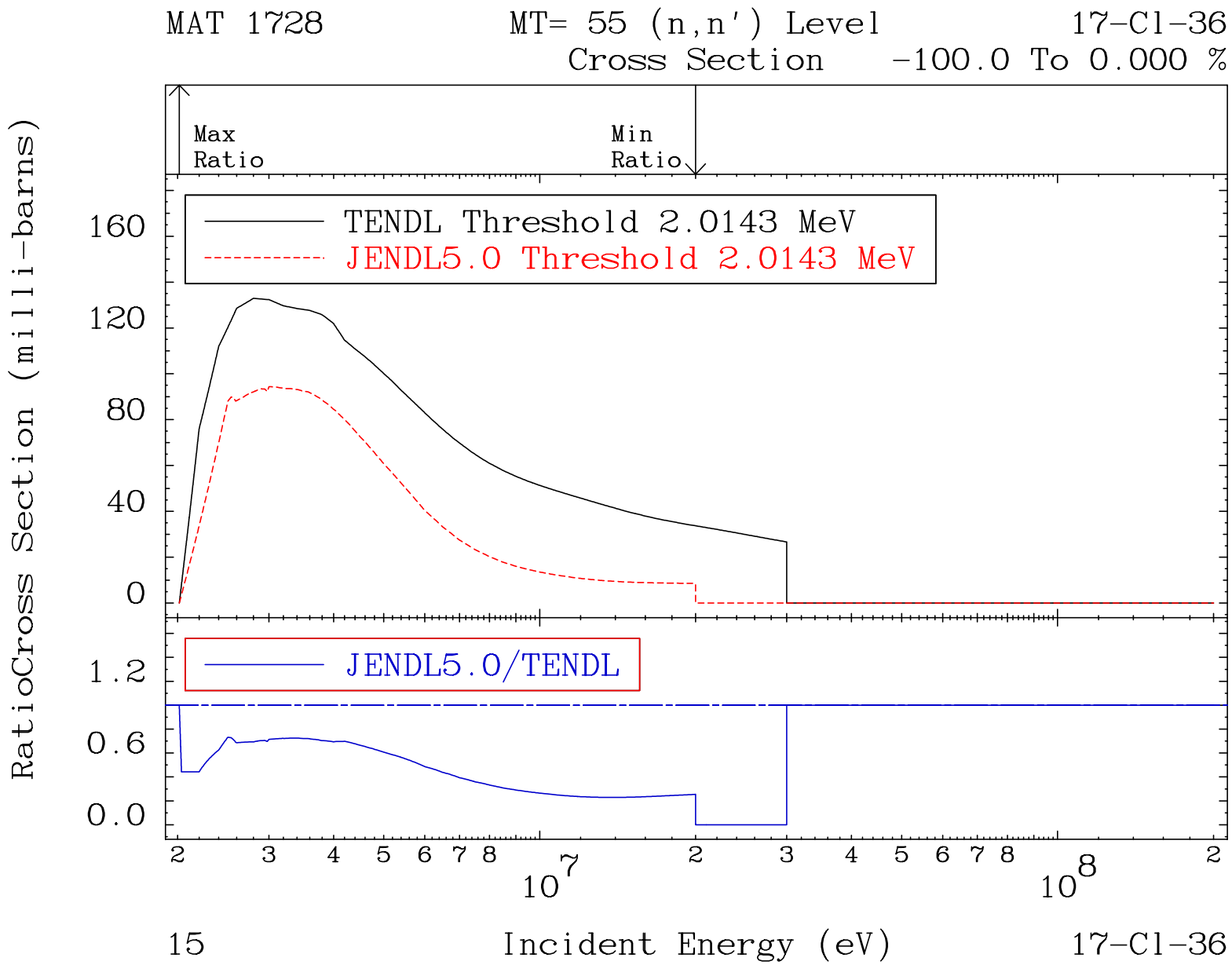

MAT 1728
(n,2n) p
17-Cl-36
Cross Section
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 15.370 MeV
JENDL5.0 Threshold 15.370 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
17-Cl-36

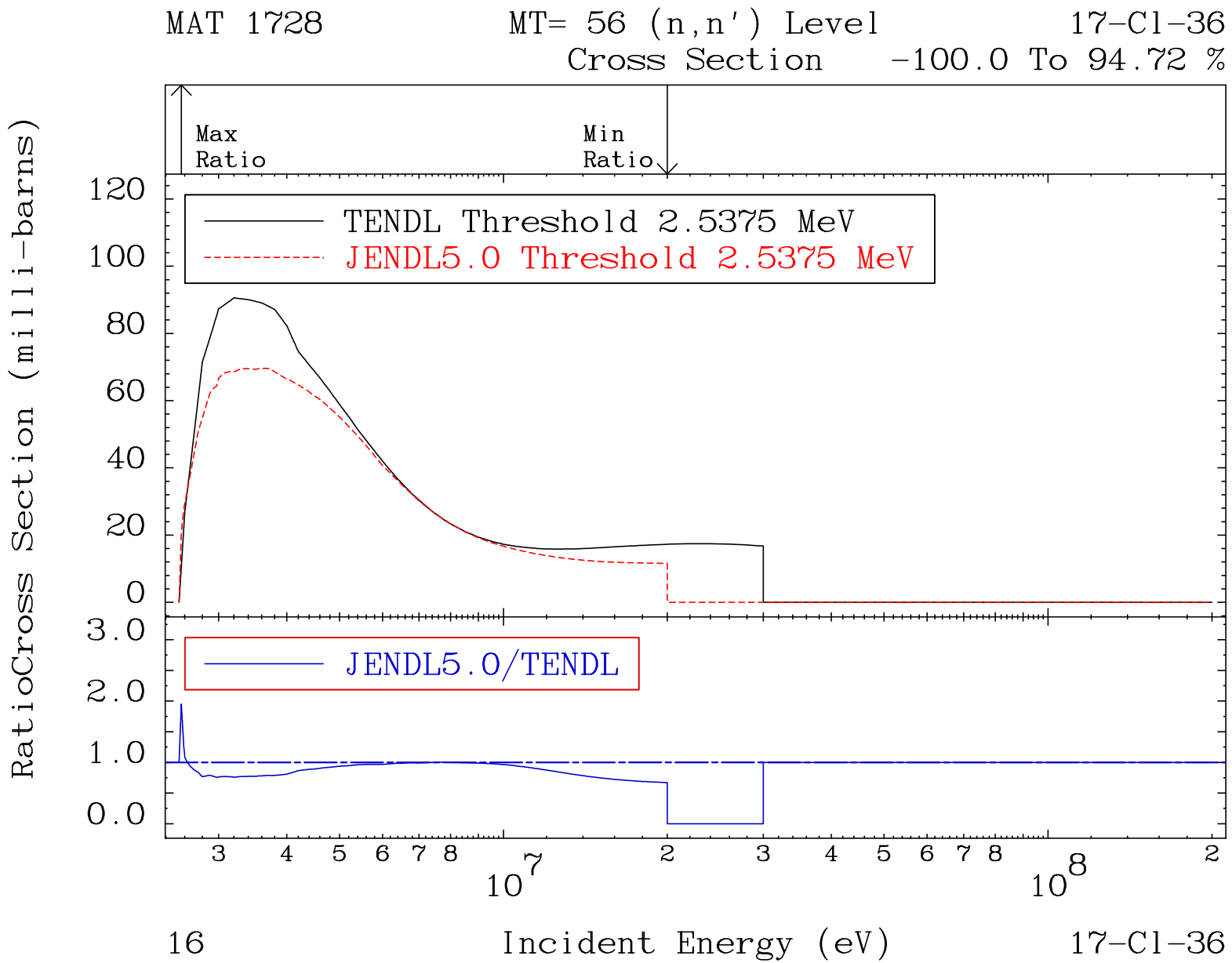

MAT 1728
MT= 51 (n,n') Level
17-Cl-36
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 810.54 keV
JENDL5.0 Threshold 810.54 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
2.0
1.0
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
11
Incident Energy (eV)
17-Cl-36

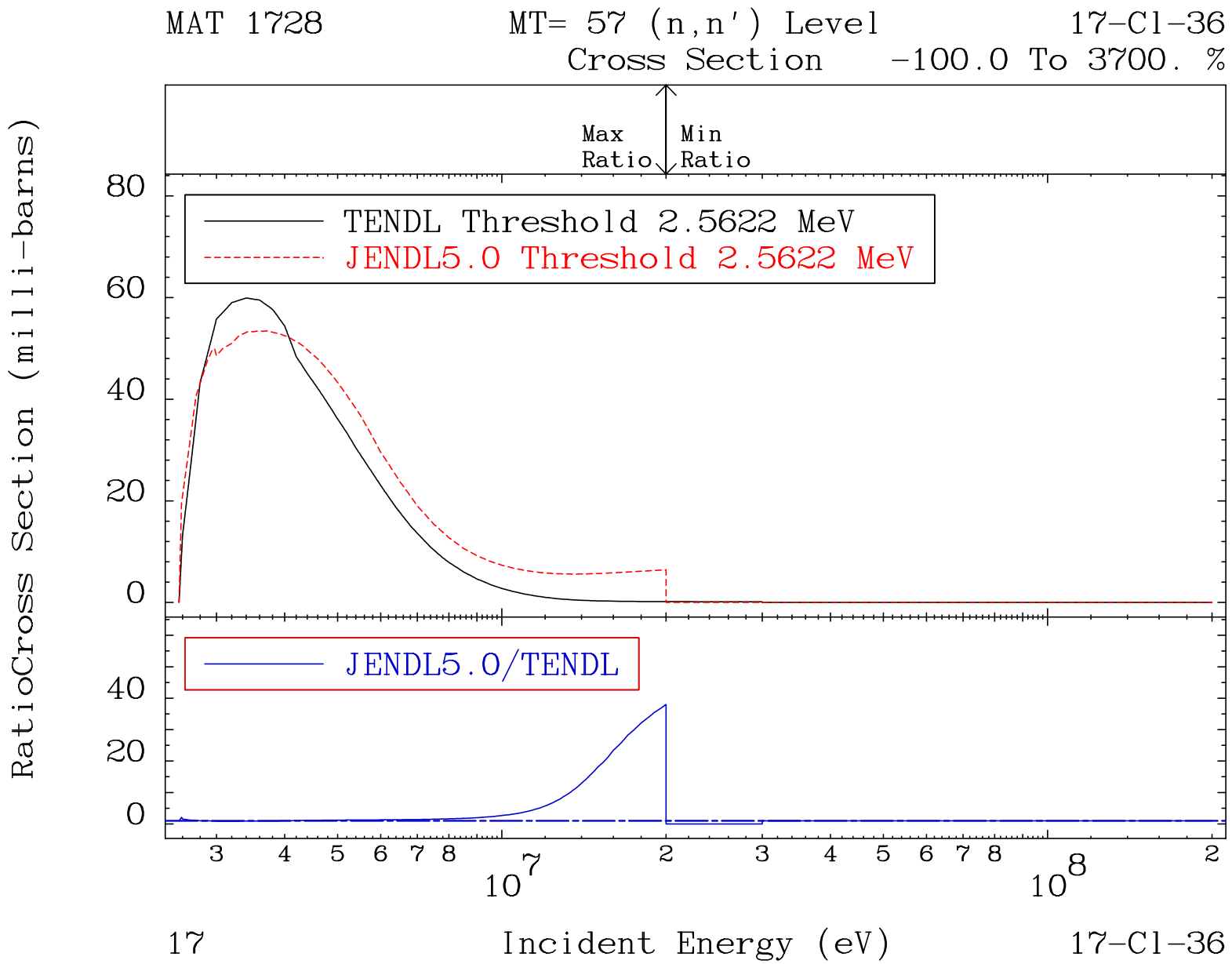

MAT 1728
MT= 52 (n,n') Level
17-Cl-36
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.1975 MeV
JENDL5.0 Threshold 1.1975 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2.0
1.0
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
12
Incident Energy (eV)
17-Cl-36

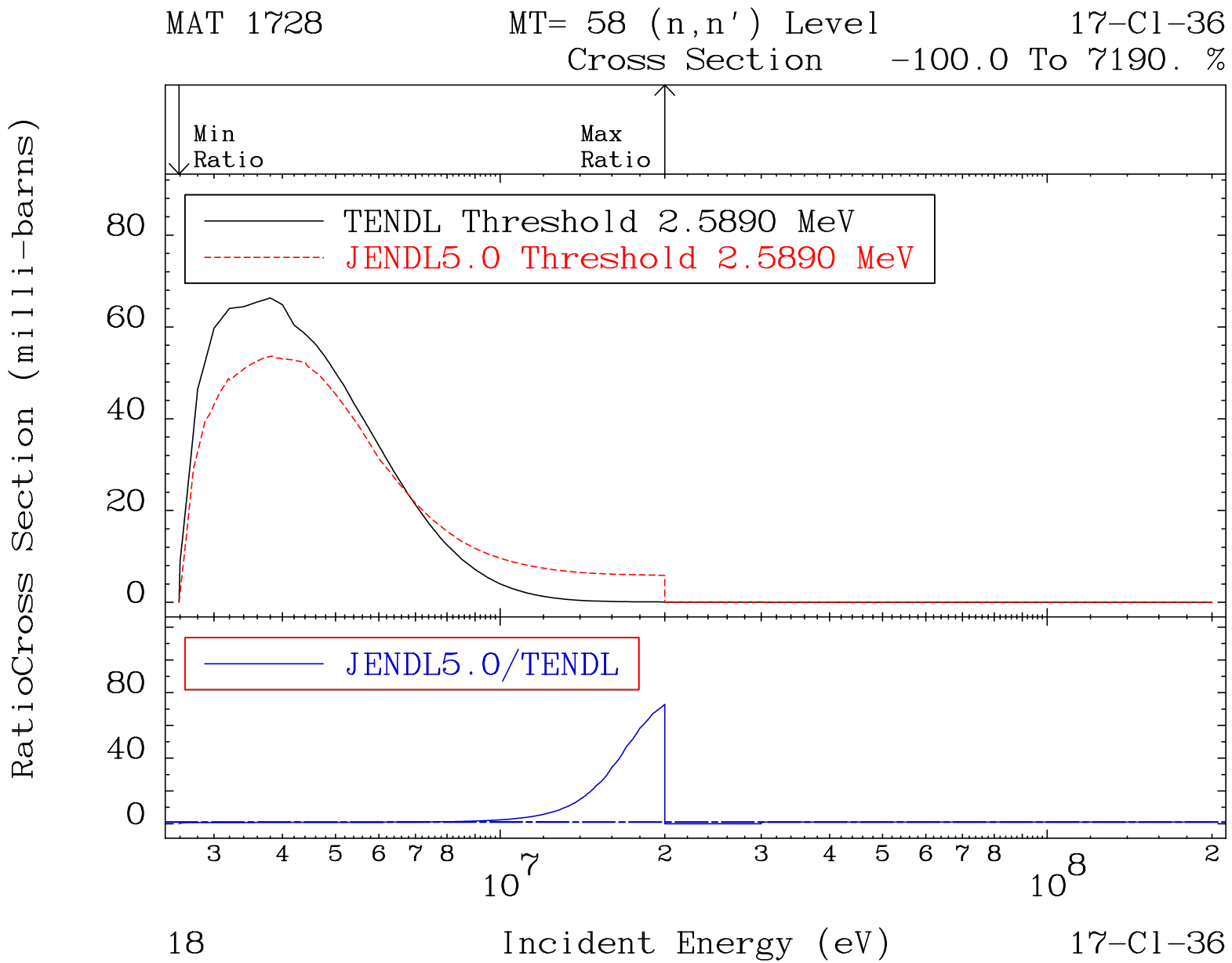

MAT 1728
MT= 53 (n,n') Level
17-Cl-36
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.6460 MeV
JENDL5.0 Threshold 1.6460 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
17-Cl-36

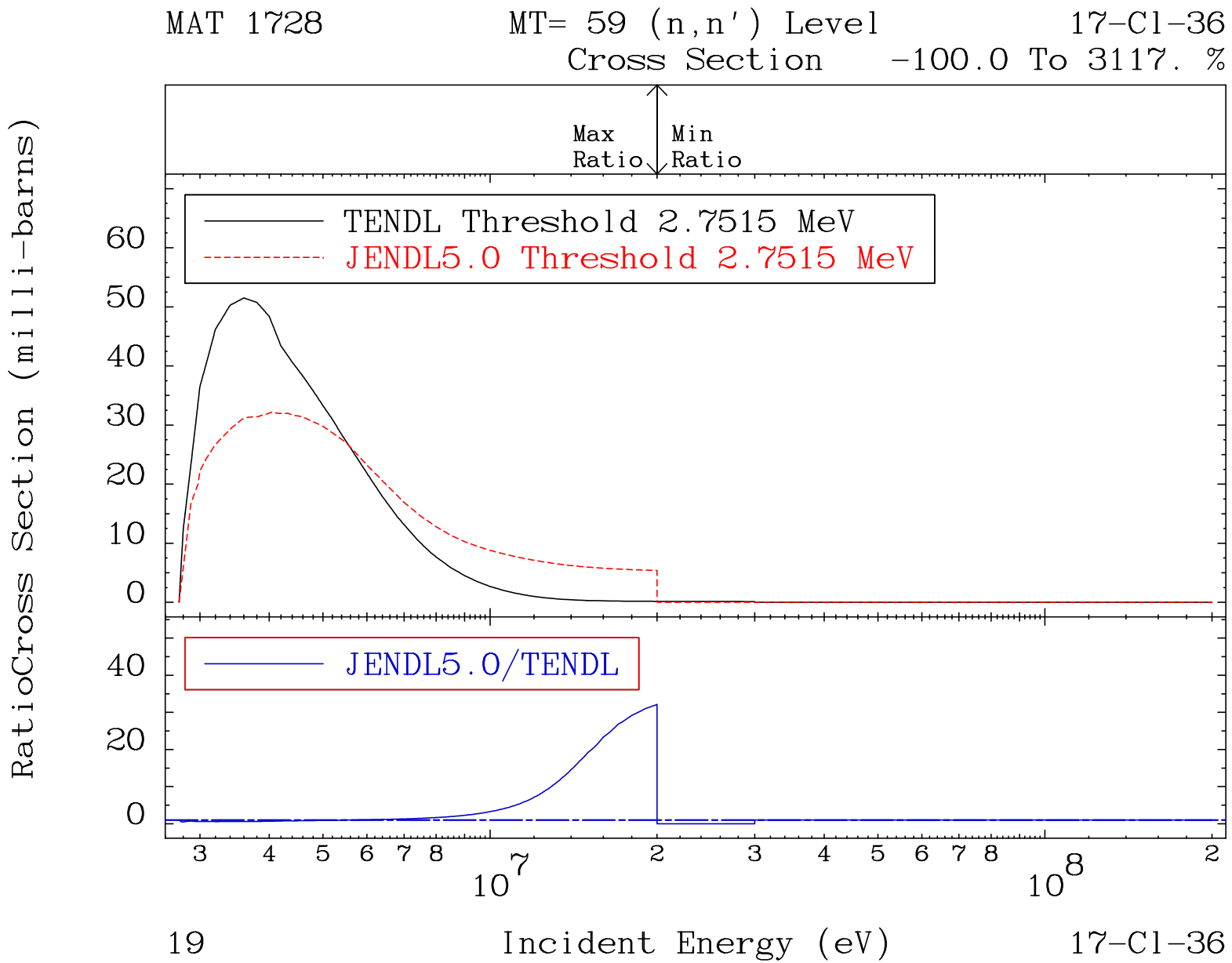

MAT 1728
MT= 54 (n,n') Level
17-Cl-36
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.0059 MeV
JENDL5.0 Threshold 2.0059 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
17-Cl-36

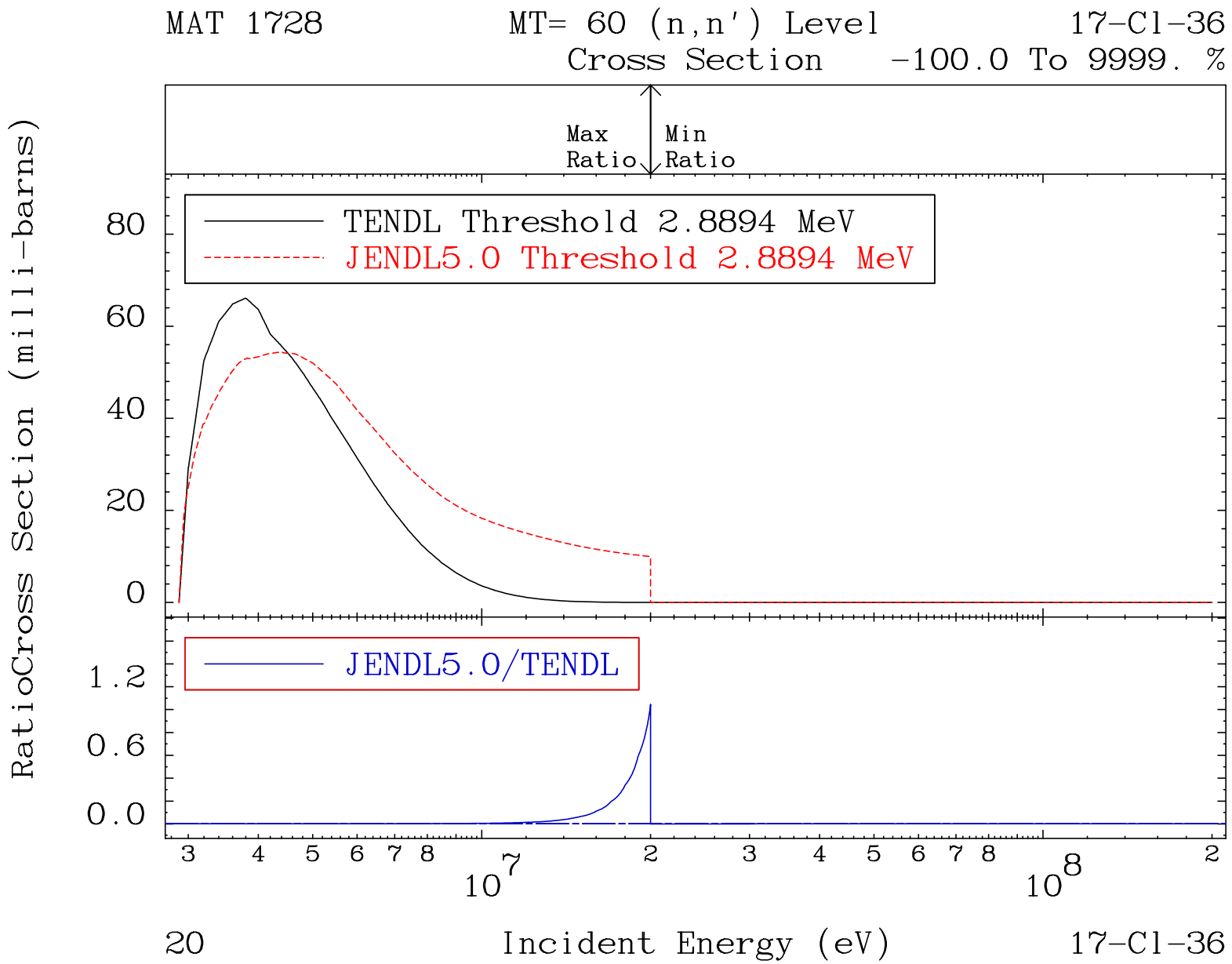

MAT 1728
MT= 55 (n,n') Level
17-Cl-36
Cross Section -100.0 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 2.0143 MeV
JENDL5.0 Threshold 2.0143 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
17-Cl-36

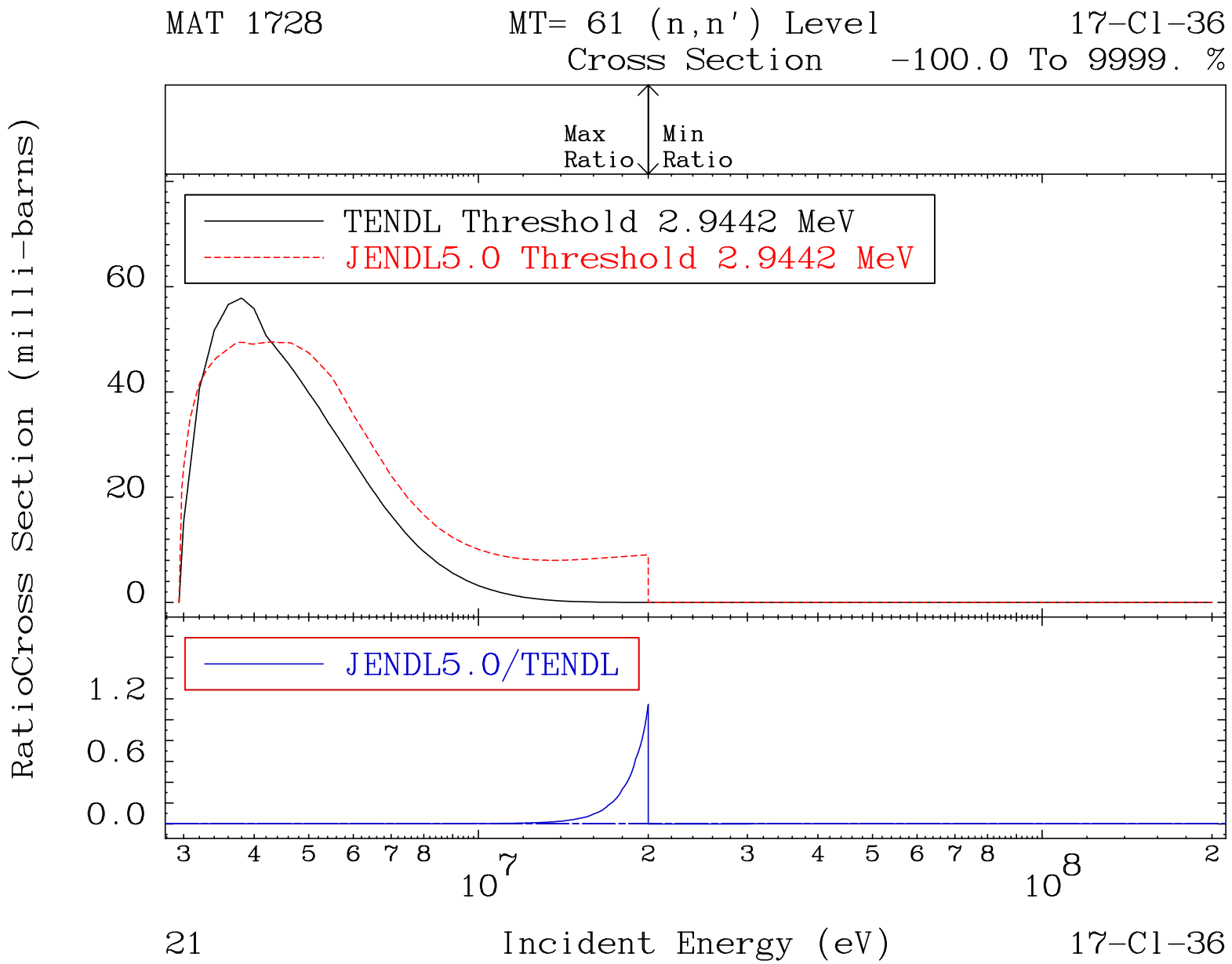

MAT 1728
MT= 56 (n,n') Level
17-Cl-36
Cross Section -100.0 To 94.72 %
Max Ratio
Min Ratio
TENDL Threshold 2.5375 MeV
JENDL5.0 Threshold 2.5375 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
16
Incident Energy (eV)
17-Cl-36

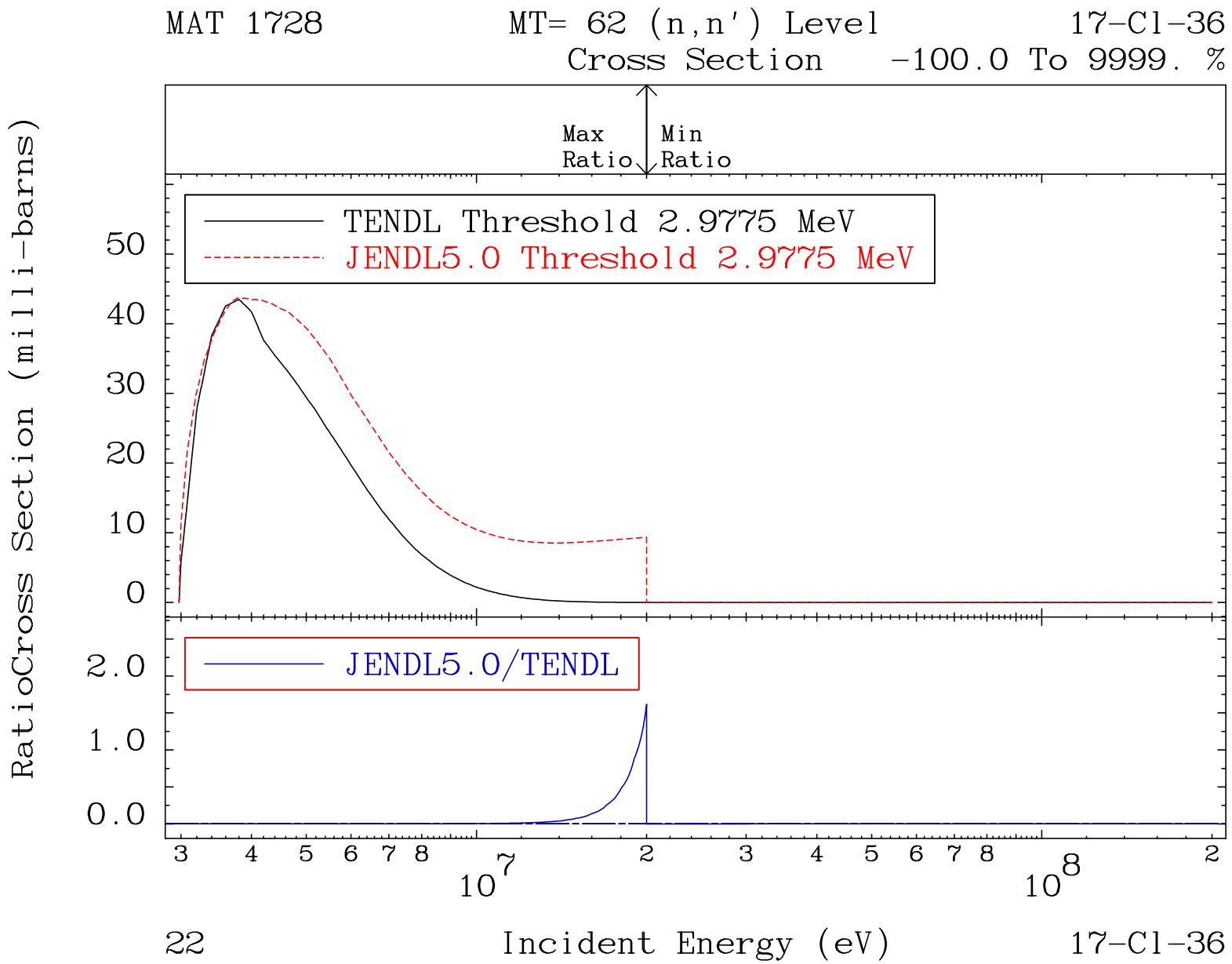

MAT 1728
MT= 57 (n,n') Level
17-Cl-36
Cross Section -100.0 To 3700. %
Max Ratio
Min Ratio
TENDL Threshold 2.5622 MeV
JENDL5.0 Threshold 2.5622 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
17
17-Cl-36

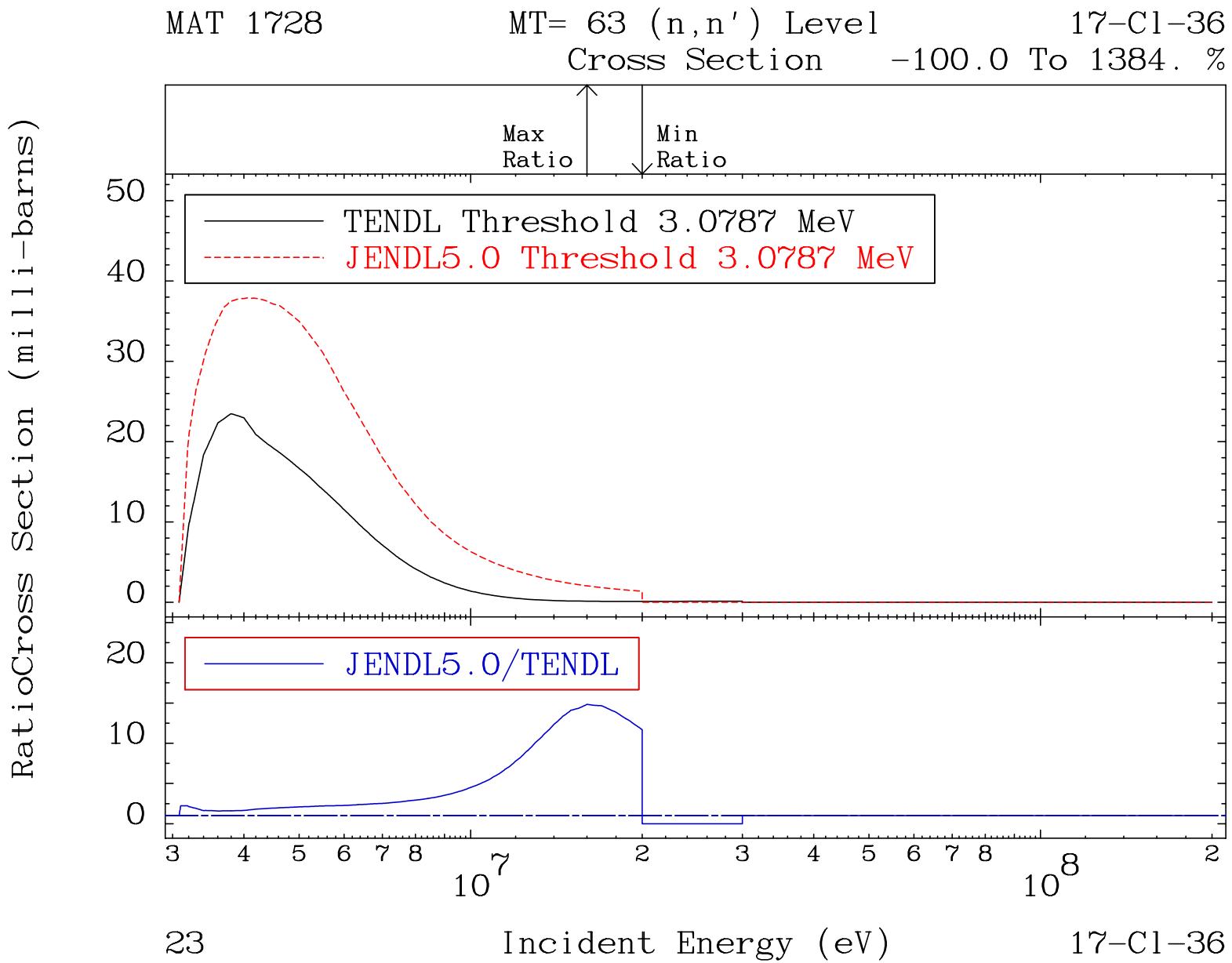

MAT 1728
MT= 58 (n,n') Level
17-Cl-36
Cross Section -100.0 To 7190. %
Min Ratio
Max Ratio
TENDL Threshold 2.5890 MeV
JENDL5.0 Threshold 2.5890 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
18
17-Cl-36

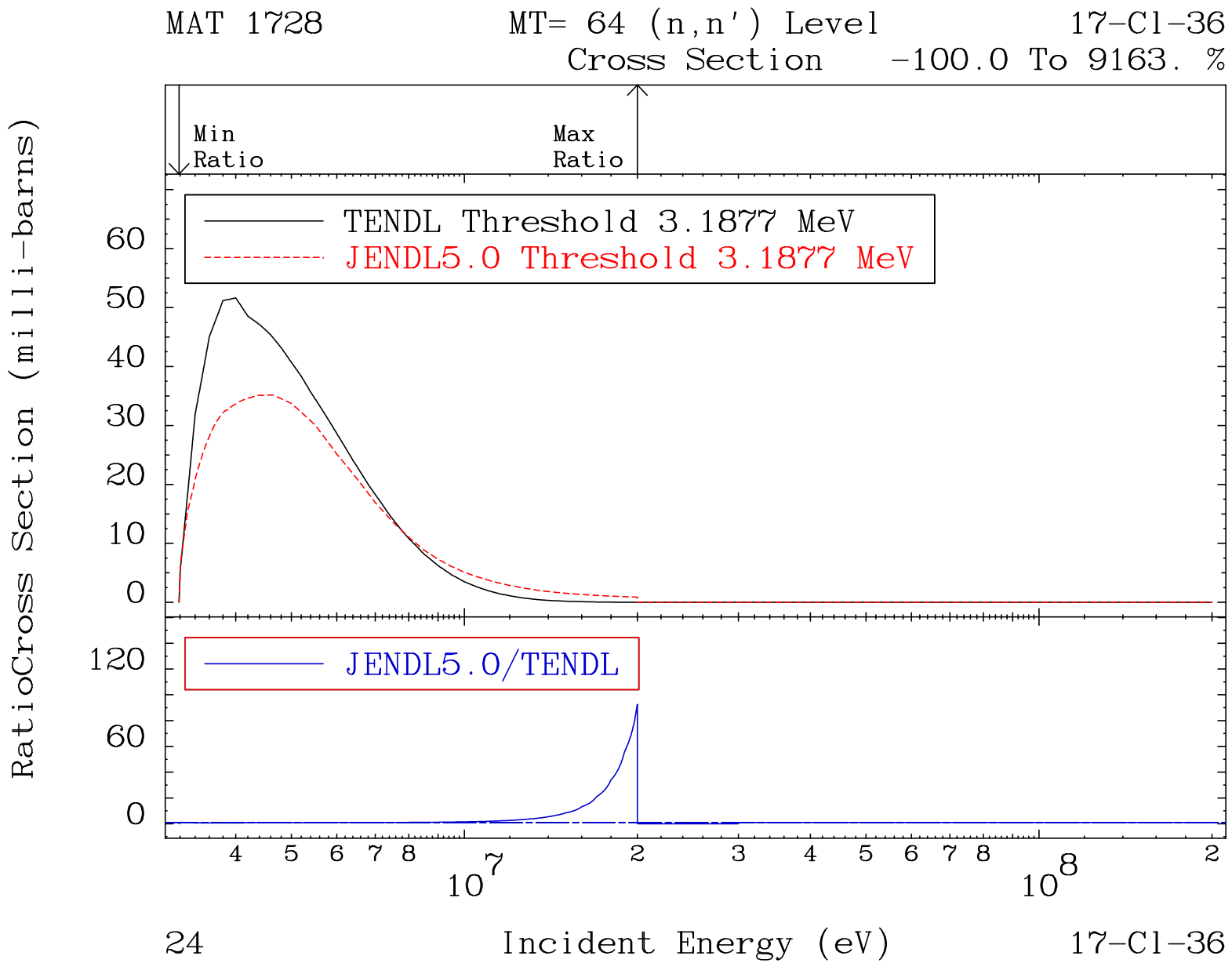

MAT 1728
MT= 59 (n,n') Level
17-Cl-36
Cross Section -100.0 To 3117. %
Max Ratio
Min Ratio
TENDL Threshold 2.7515 MeV
JENDL5.0 Threshold 2.7515 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
19
17-Cl-36

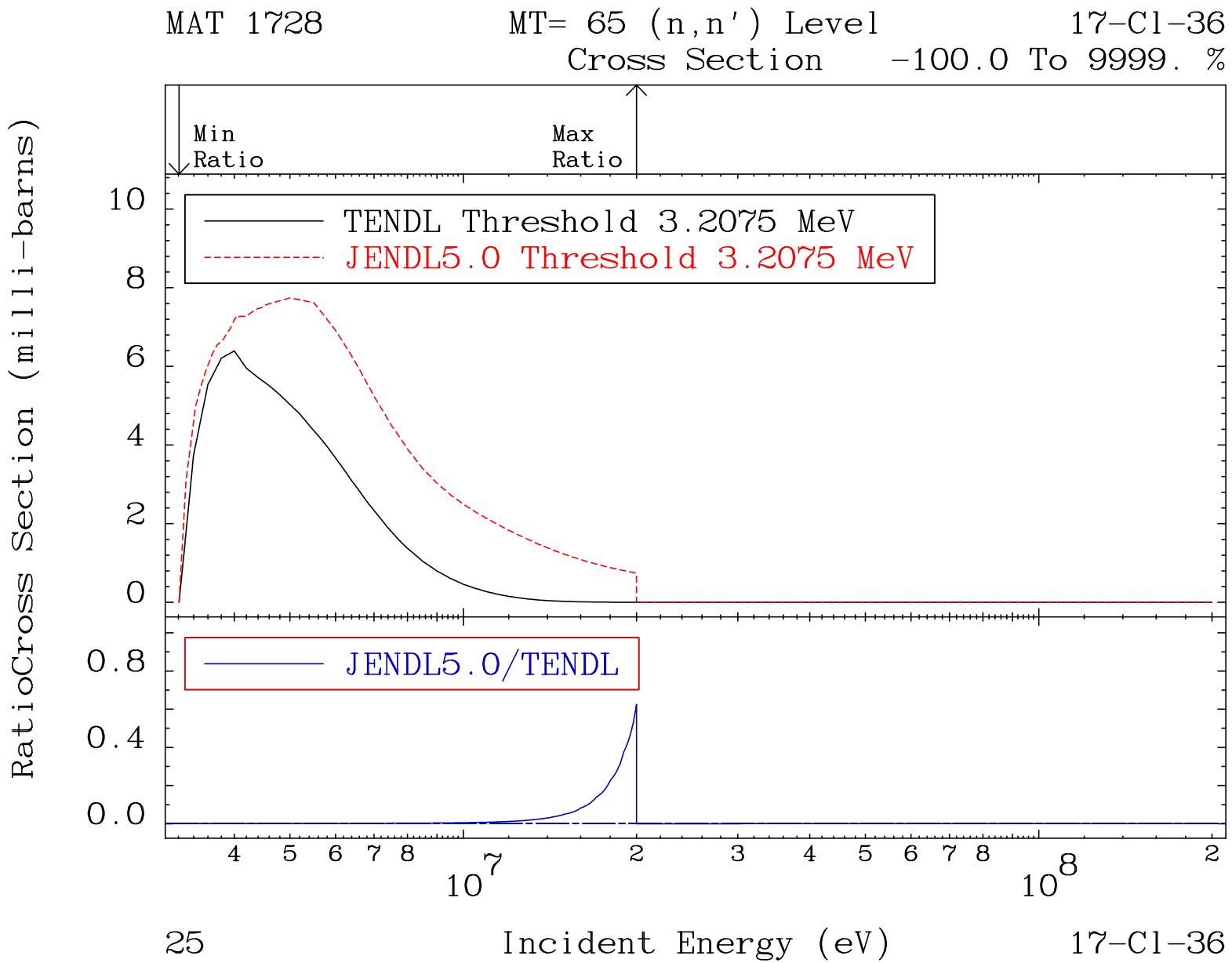

MAT 1728
MT= 60 (n,n') Level
17-Cl-36
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.8894 MeV
JENDL5.0 Threshold 2.8894 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
17-Cl-36

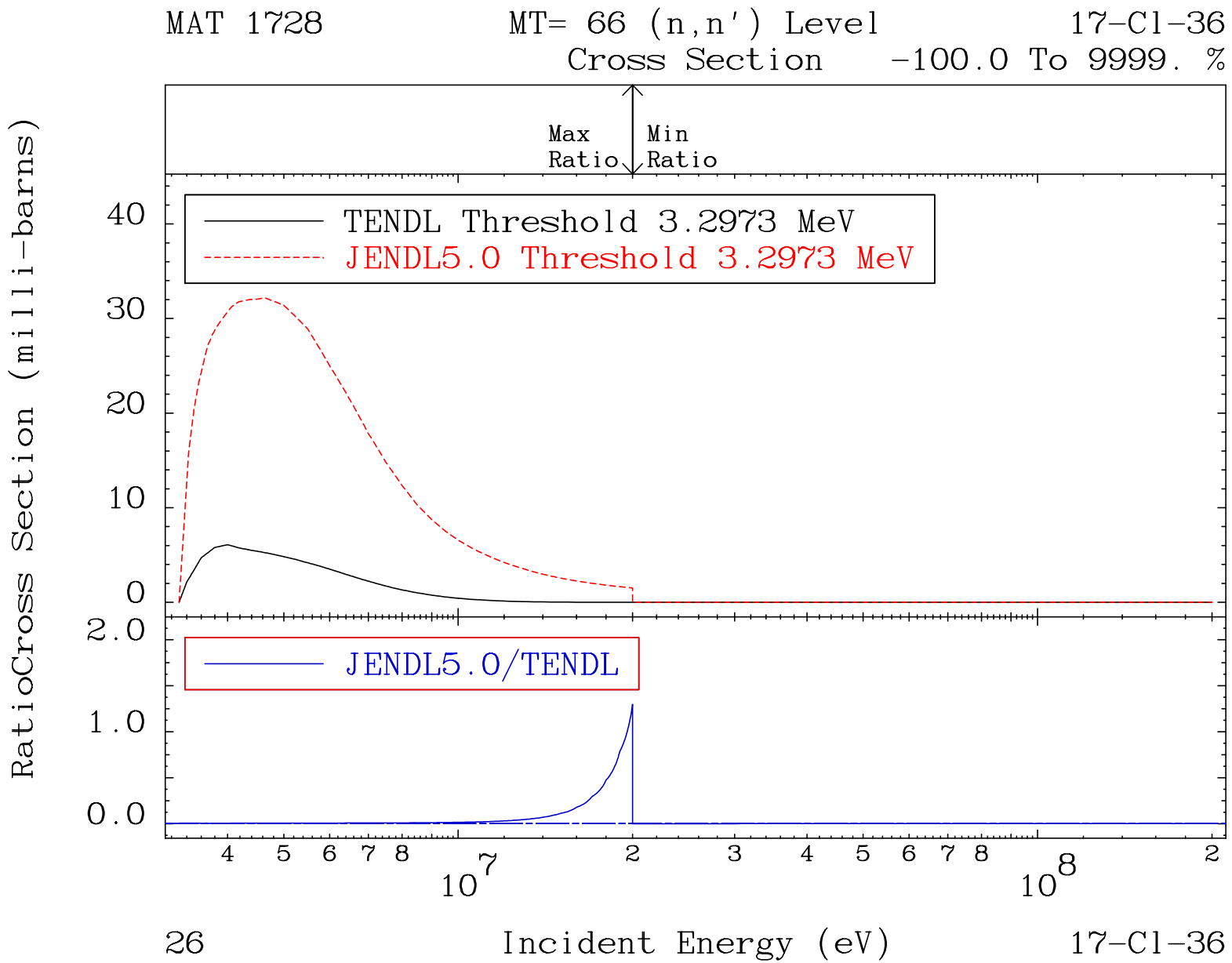

MAT 1728
MT= 61 (n,n') Level
17-Cl-36
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.9442 MeV
JENDL5.0 Threshold 2.9442 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
21
Incident Energy (eV)
17-Cl-36

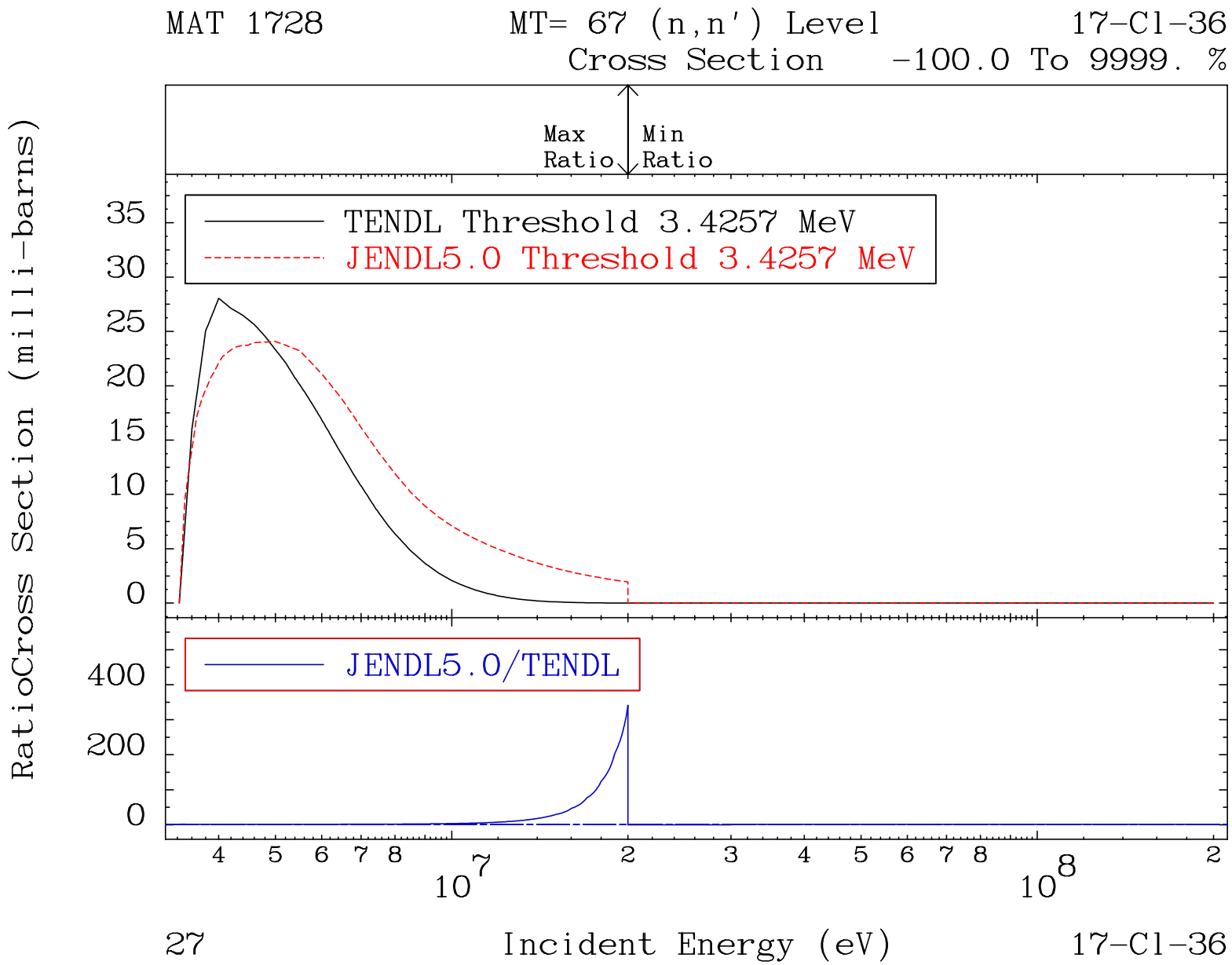

MAT 1728
MT= 62 (n,n') Level
17-Cl-36
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.9775 MeV
JENDL5.0 Threshold 2.9775 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
17-Cl-36

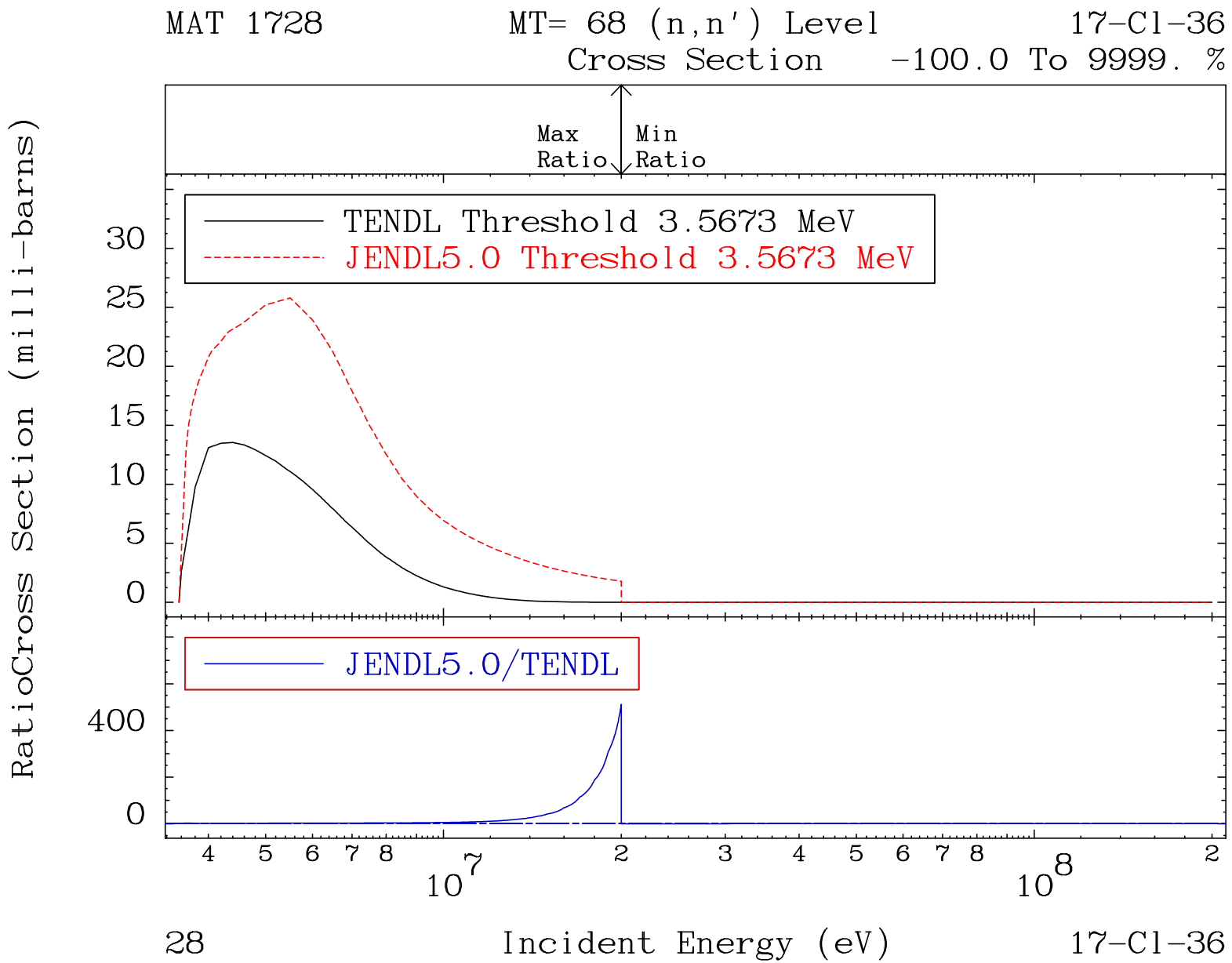

MAT 1728
MT= 63 (n,n') Level
17-Cl-36
Cross Section -100.0 To 1384. %
Max Ratio
Min Ratio
TENDL Threshold 3.0787 MeV
JENDL5.0 Threshold 3.0787 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
20
10
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
17-Cl-36

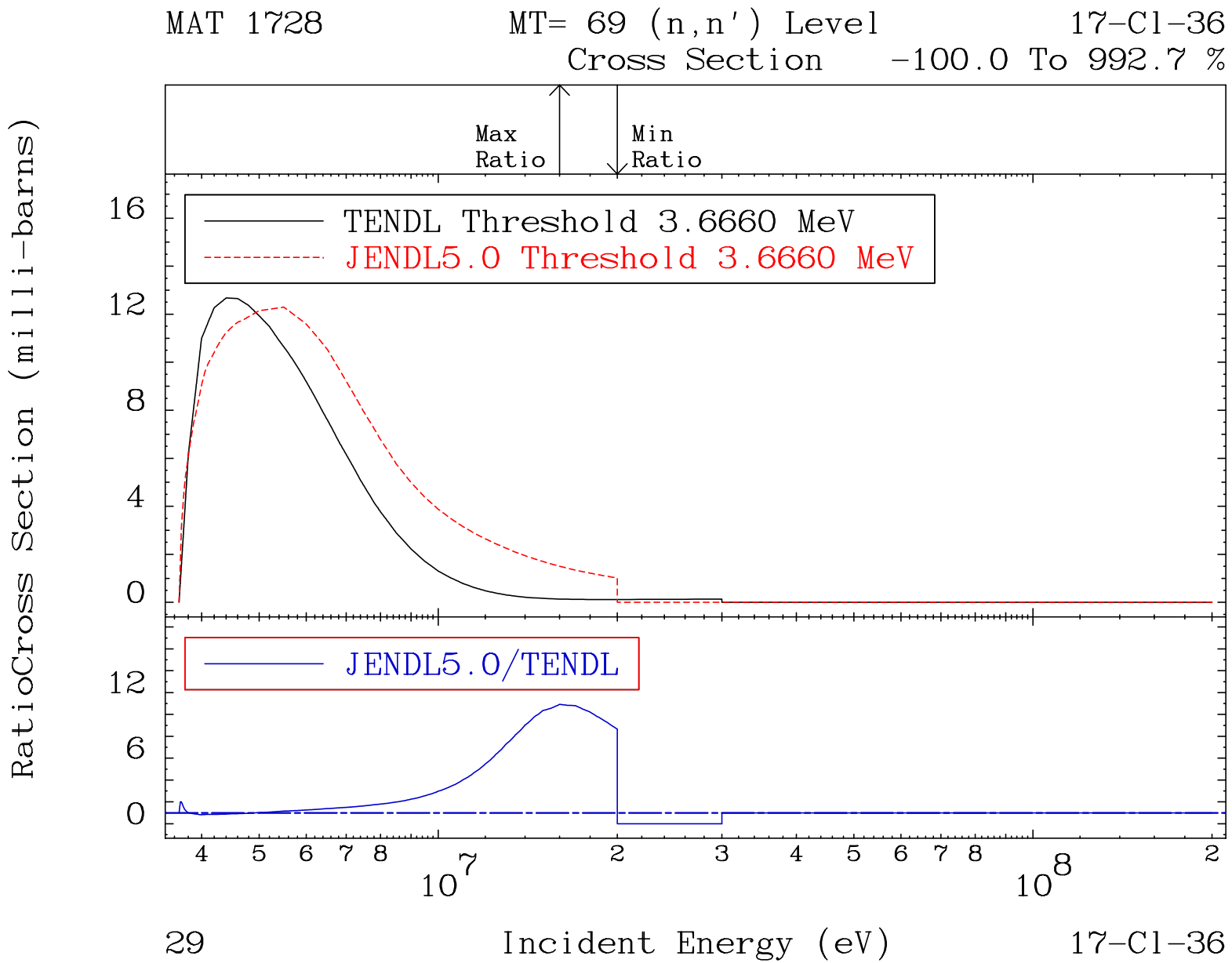

MAT 1728
MT= 64 (n,n') Level
17-Cl-36
Cross Section -100.0 To 9163. %
Min Ratio
Max Ratio
TENDL Threshold 3.1877 MeV
JENDL5.0 Threshold 3.1877 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
120
60
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
17-Cl-36

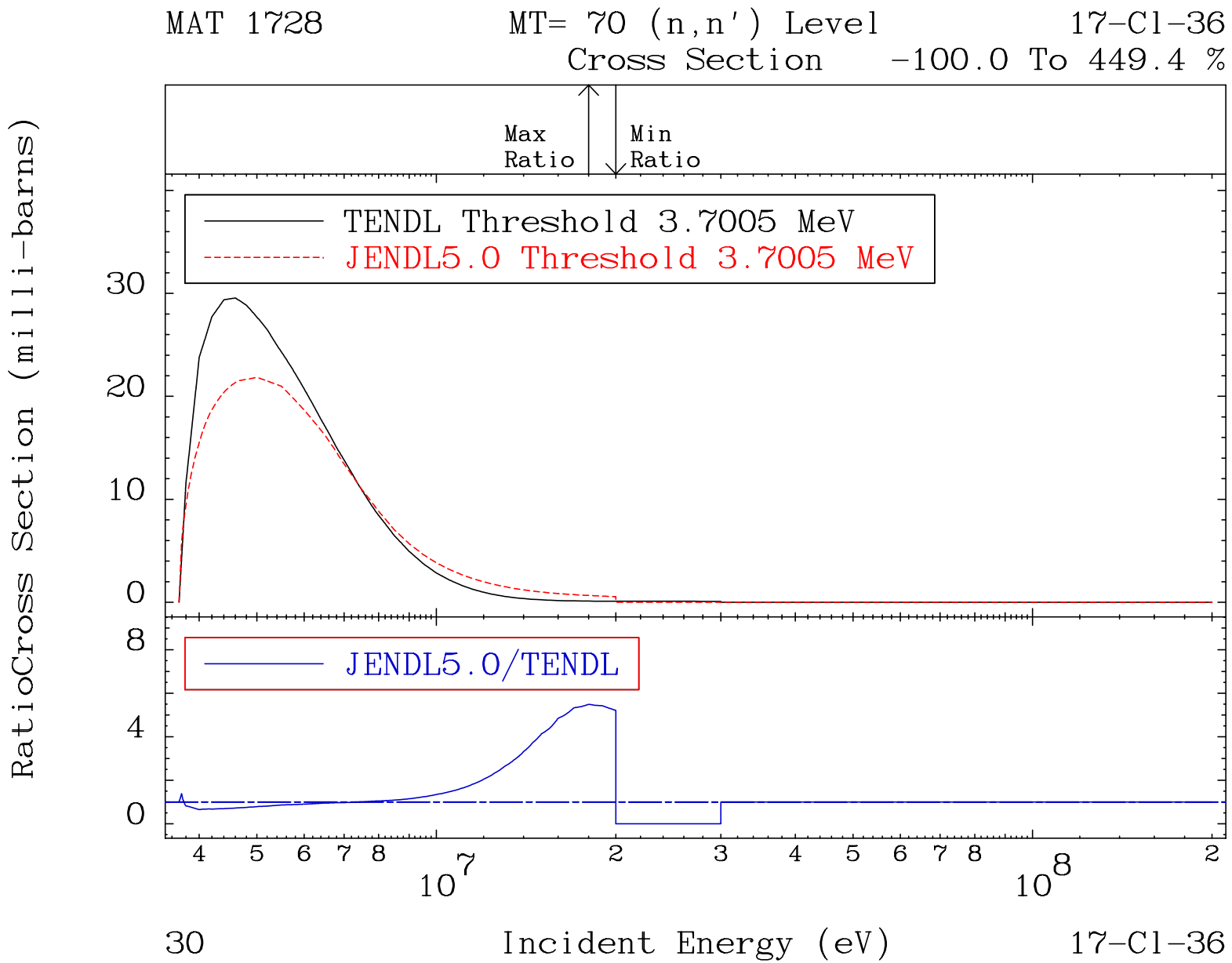

MAT 1728
MT= 65 (n,n') Level
17-Cl-36
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.2075 MeV
JENDL5.0 Threshold 3.2075 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
25
17-Cl-36

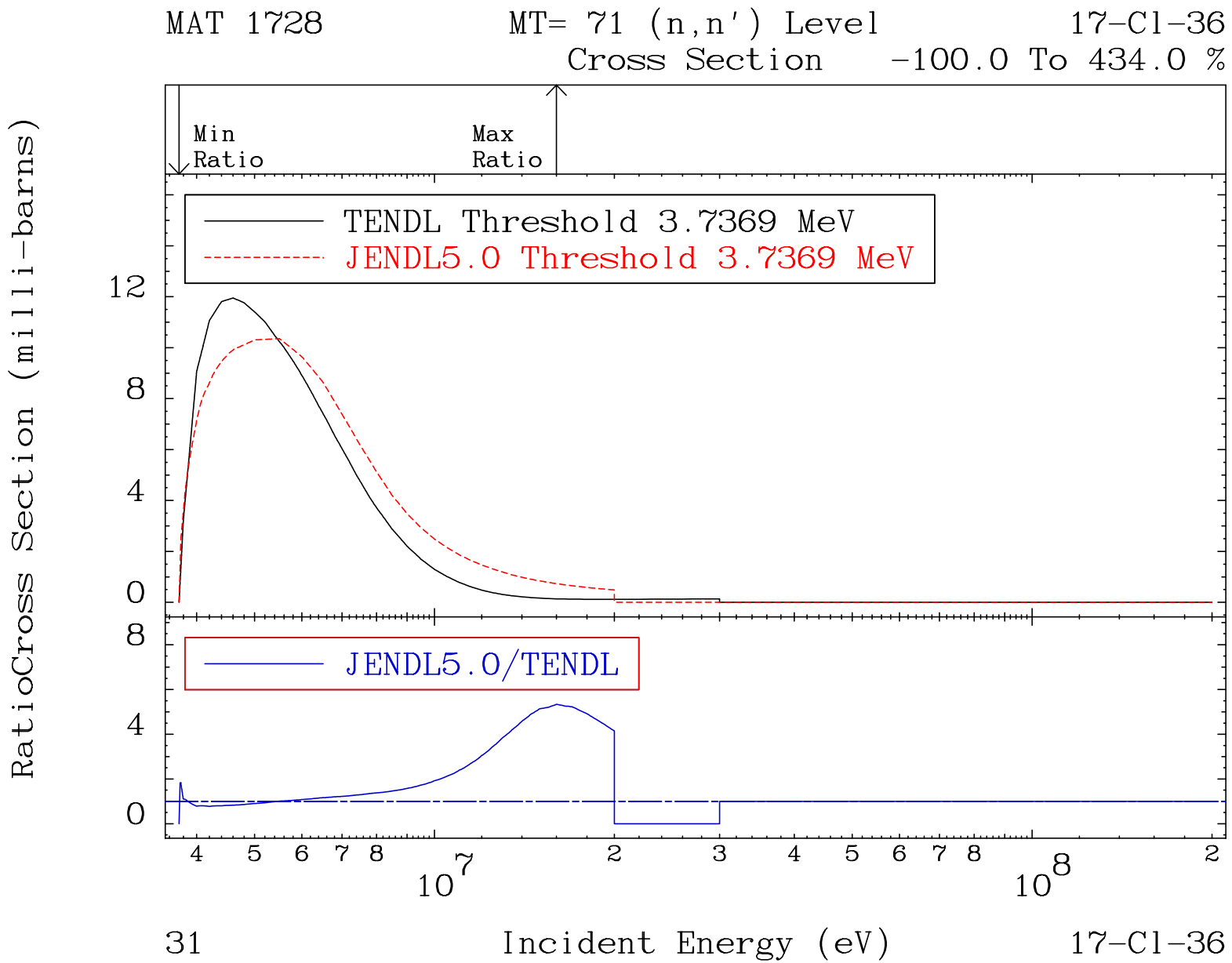

MAT 1728
MT= 66 (n,n') Level
17-Cl-36
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.2973 MeV
JENDL5.0 Threshold 3.2973 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
17-Cl-36

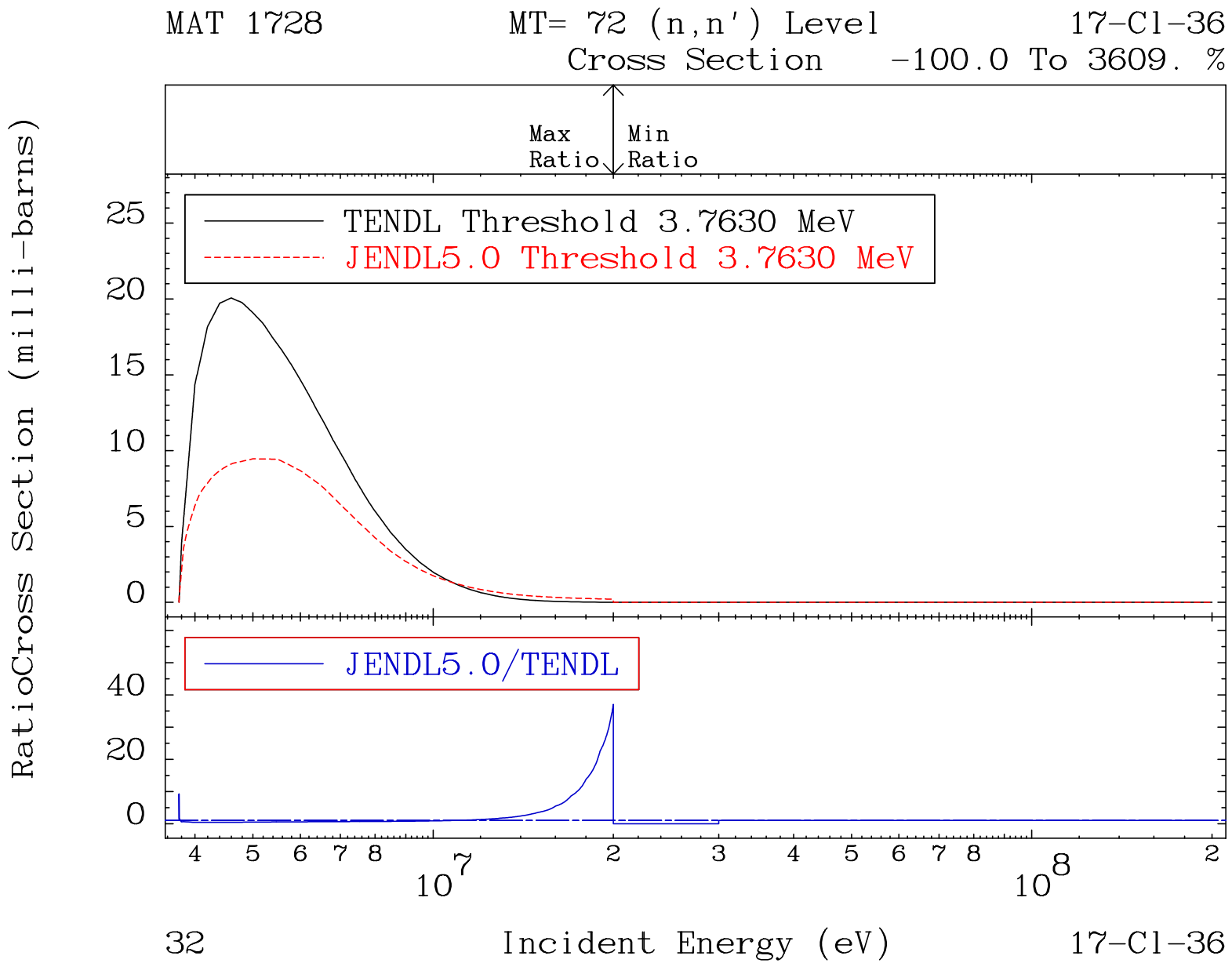

MAT 1728
MT= 67 (n,n') Level
17-Cl-36
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.4257 MeV
JENDL5.0 Threshold 3.4257 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
400
200
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
27
Incident Energy (eV)
17-Cl-36

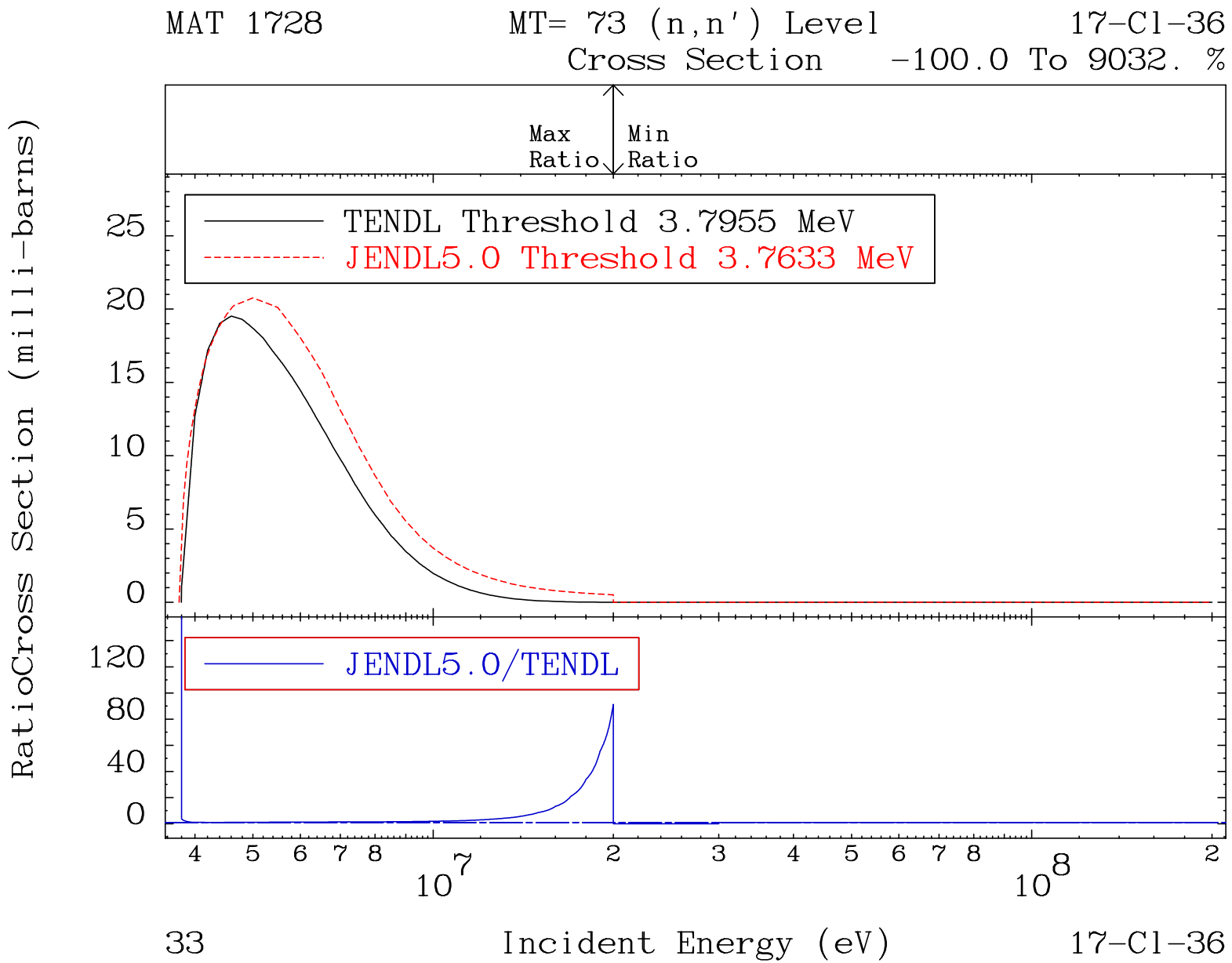

MAT 1728
MT= 68 (n,n') Level
17-Cl-36
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.5673 MeV
JENDL5.0 Threshold 3.5673 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
400
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
17-Cl-36

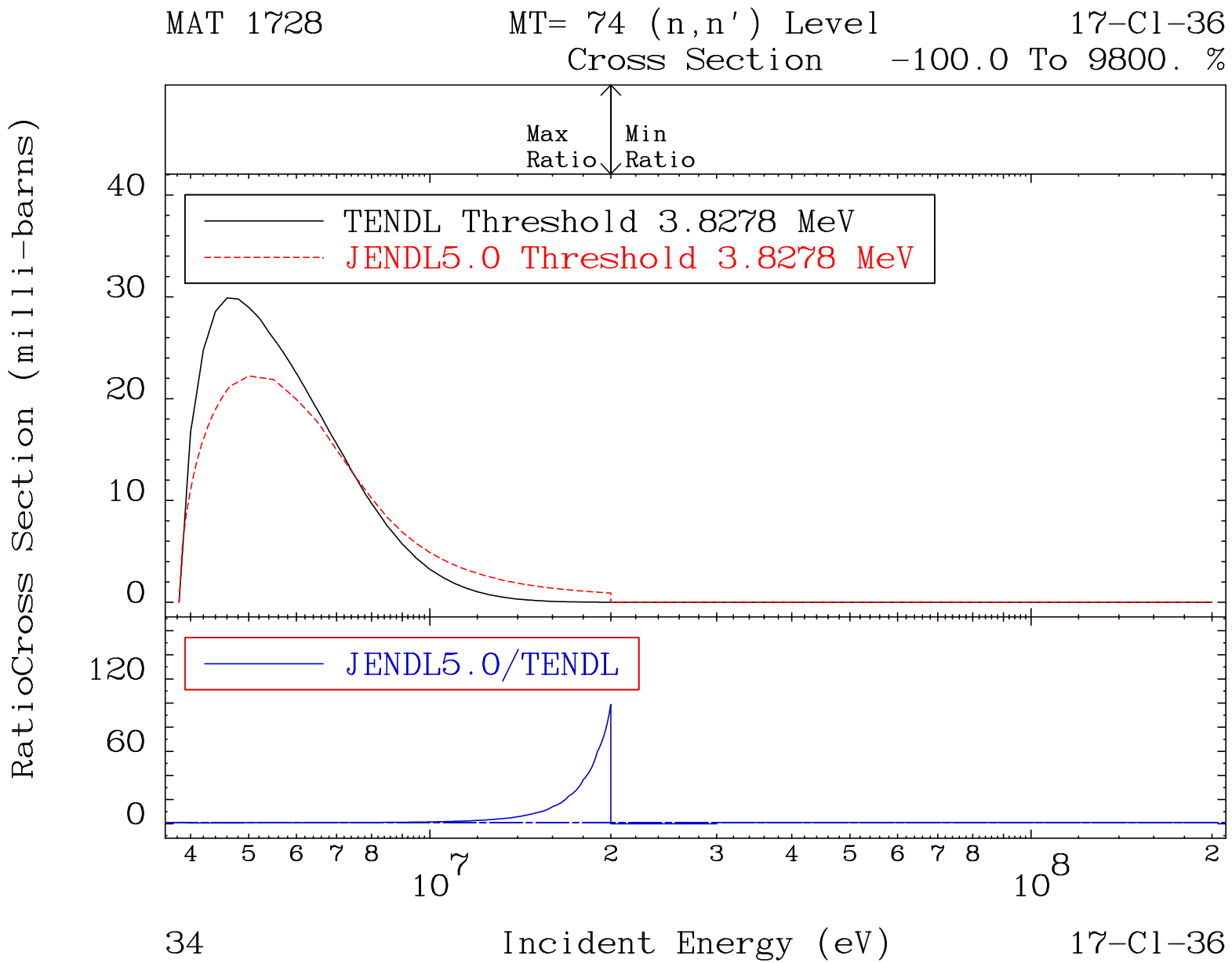

MAT 1728
MT= 69 (n,n') Level
17-Cl-36
Cross Section -100.0 To 992.7 %
Max Ratio
Min Ratio
TENDL Threshold 3.6660 MeV
JENDL5.0 Threshold 3.6660 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
12
6
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
17-Cl-36

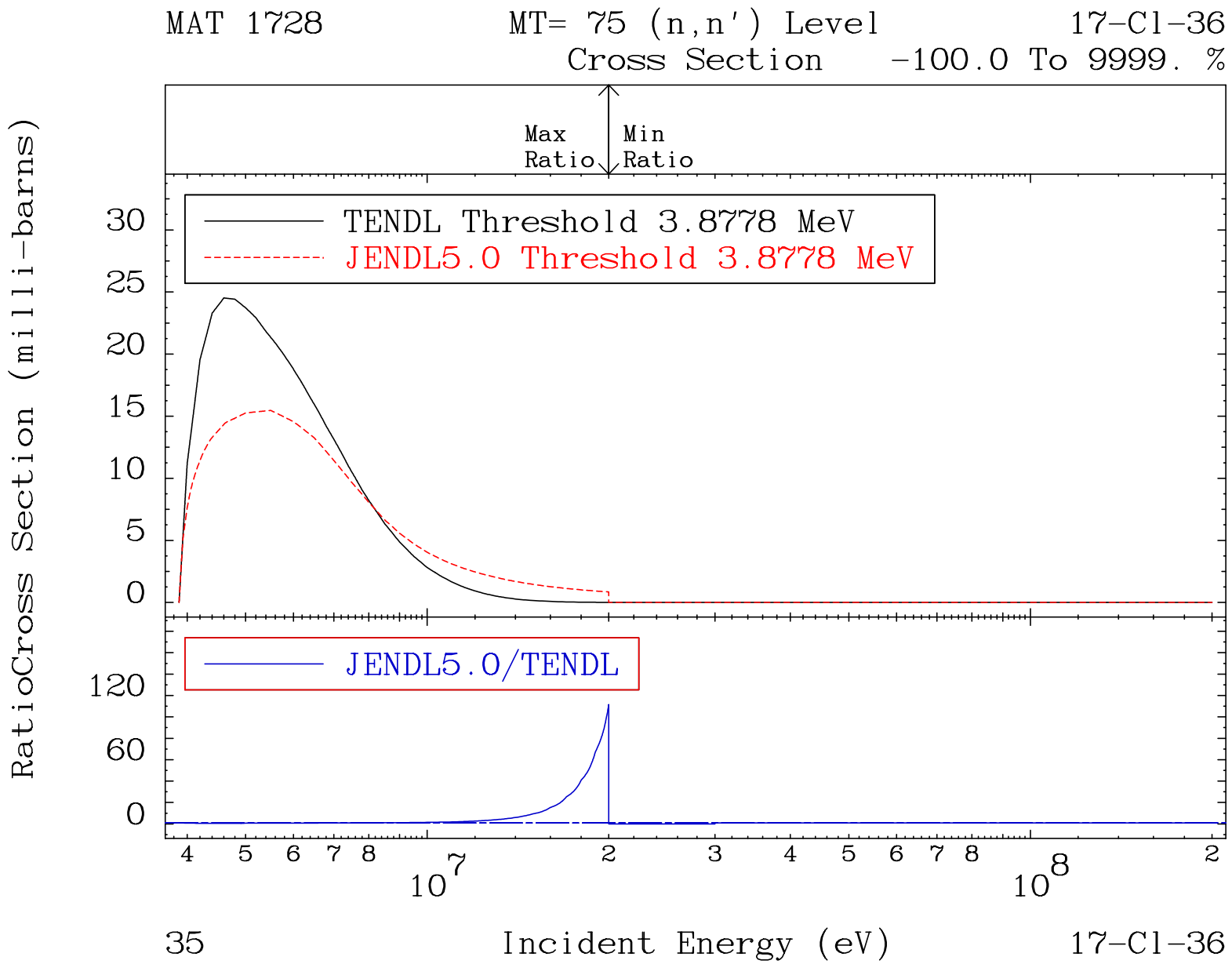

MAT 1728
MT= 70 (n,n') Level
17-Cl-36
Cross Section -100.0 To 449.4 %
Max Ratio
Min Ratio
TENDL Threshold 3.7005 MeV
JENDL5.0 Threshold 3.7005 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
20
10
0
8
4
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
30
Incident Energy (eV)
17-Cl-36

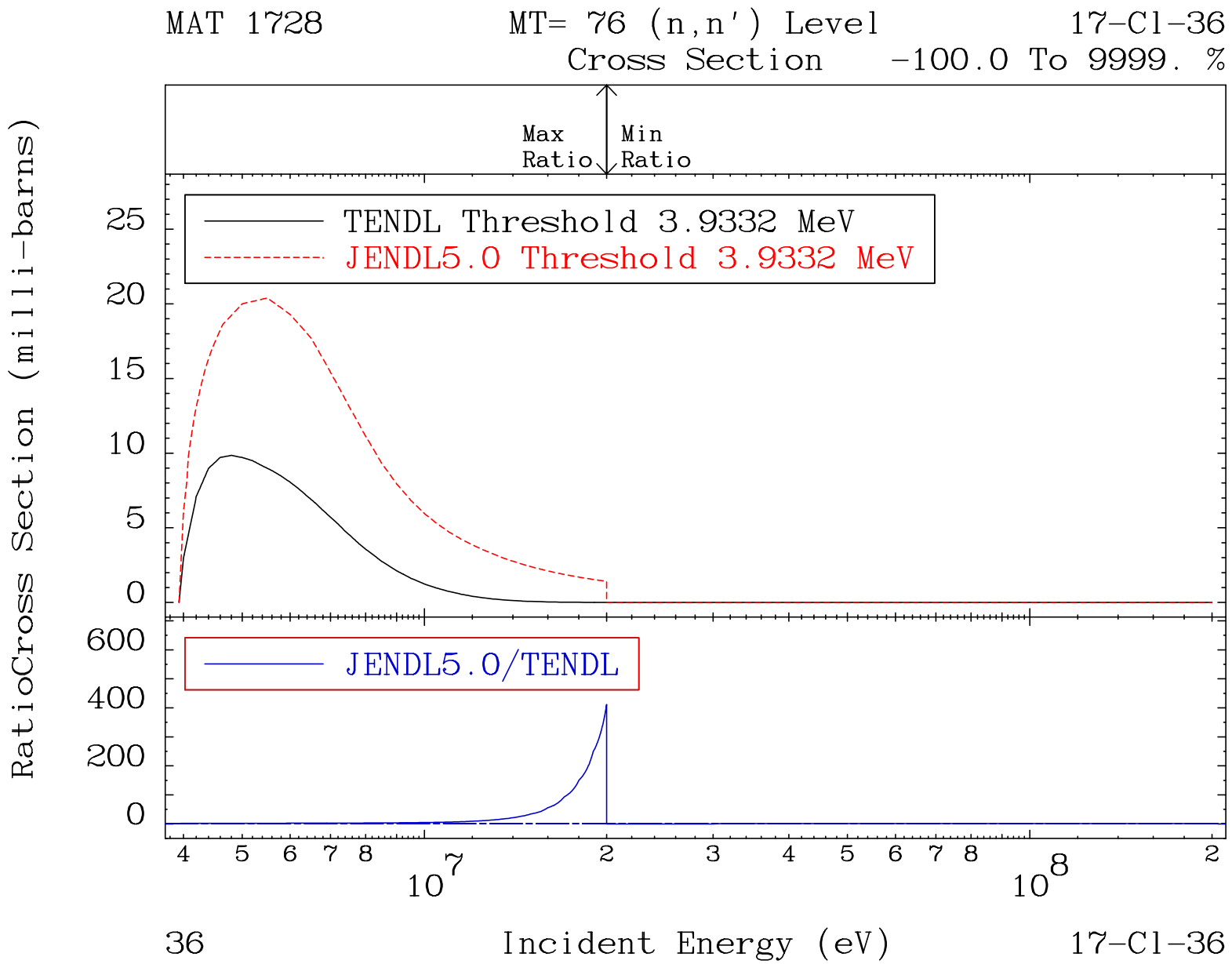

MAT 1728
MT= 71 (n,n') Level
17-Cl-36
Cross Section -100.0 To 434.0 %
Min Ratio
Max Ratio
TENDL Threshold 3.7369 MeV
JENDL5.0 Threshold 3.7369 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
12
8
4
0
8
4
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
17-Cl-36

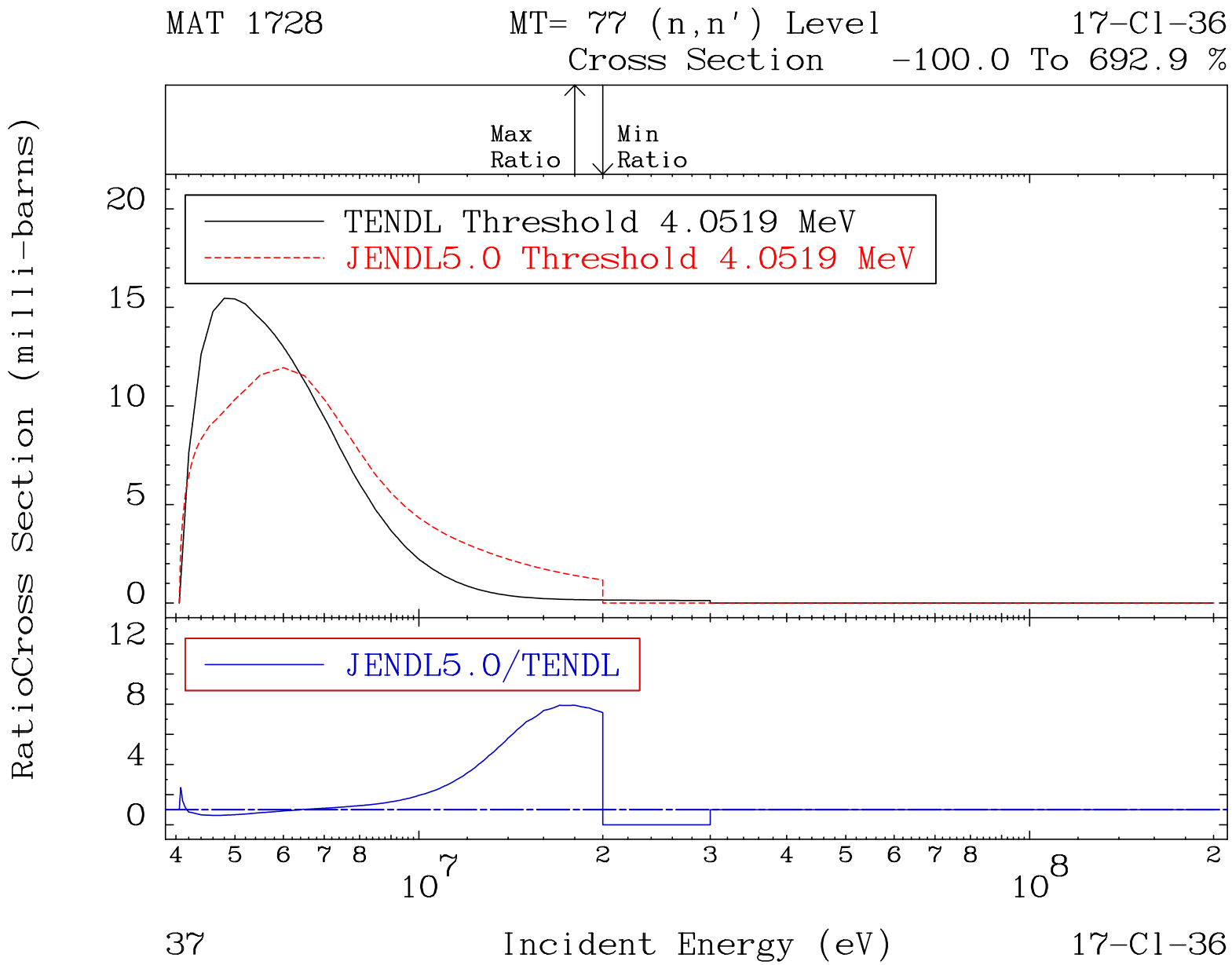

MAT 1728
MT= 72 (n,n') Level
17-Cl-36
Cross Section -100.0 To 3609. %
Max Ratio
Min Ratio
TENDL Threshold 3.7630 MeV
JENDL5.0 Threshold 3.7630 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
32
17-Cl-36

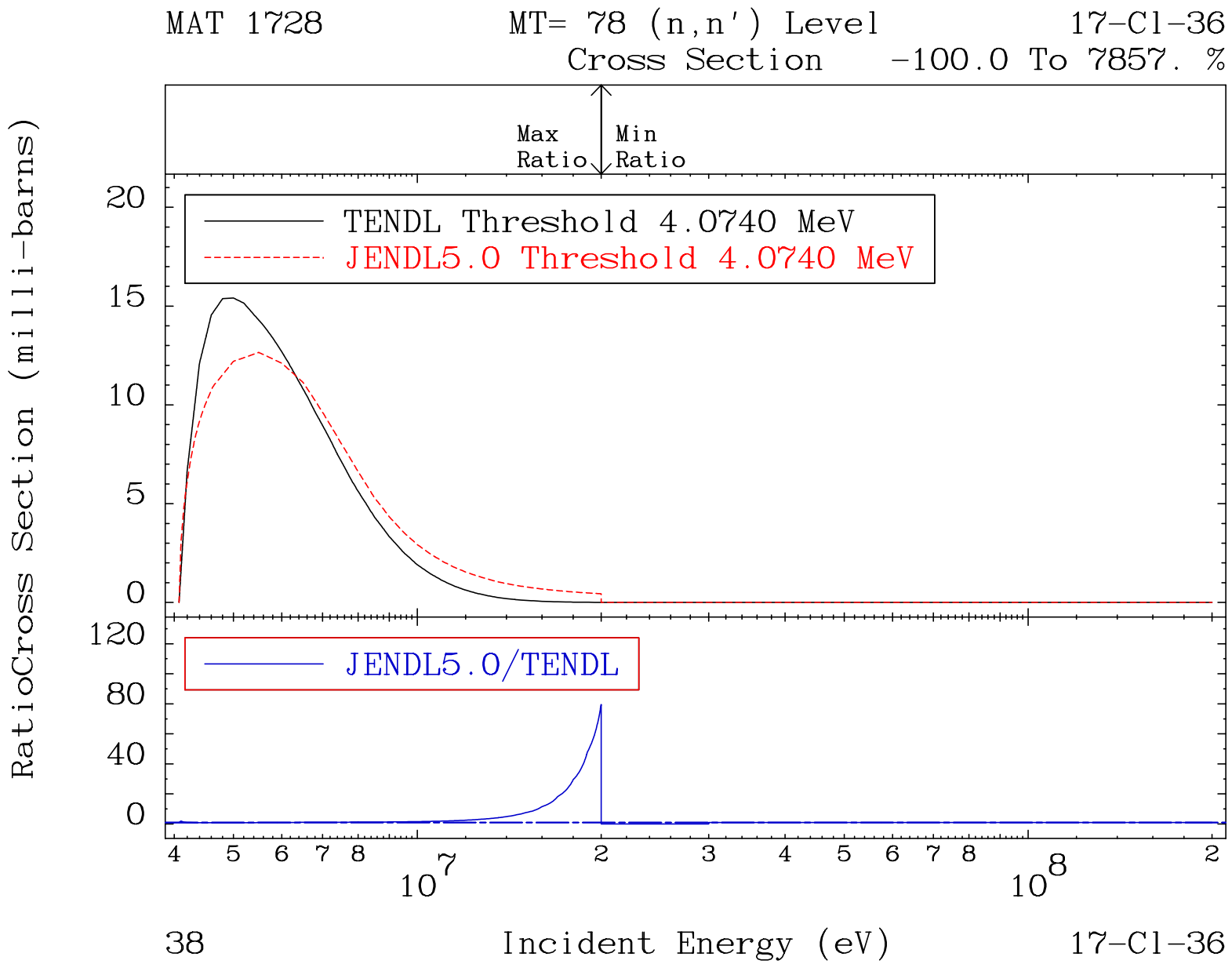

MAT 1728
MT= 73 (n,n') Level
17-Cl-36
Cross Section -100.0 To 9032. %
Max Ratio
Min Ratio
TENDL Threshold 3.7955 MeV
JENDL5.0 Threshold 3.7633 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
120
80
40
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
33
Incident Energy (eV)
17-Cl-36

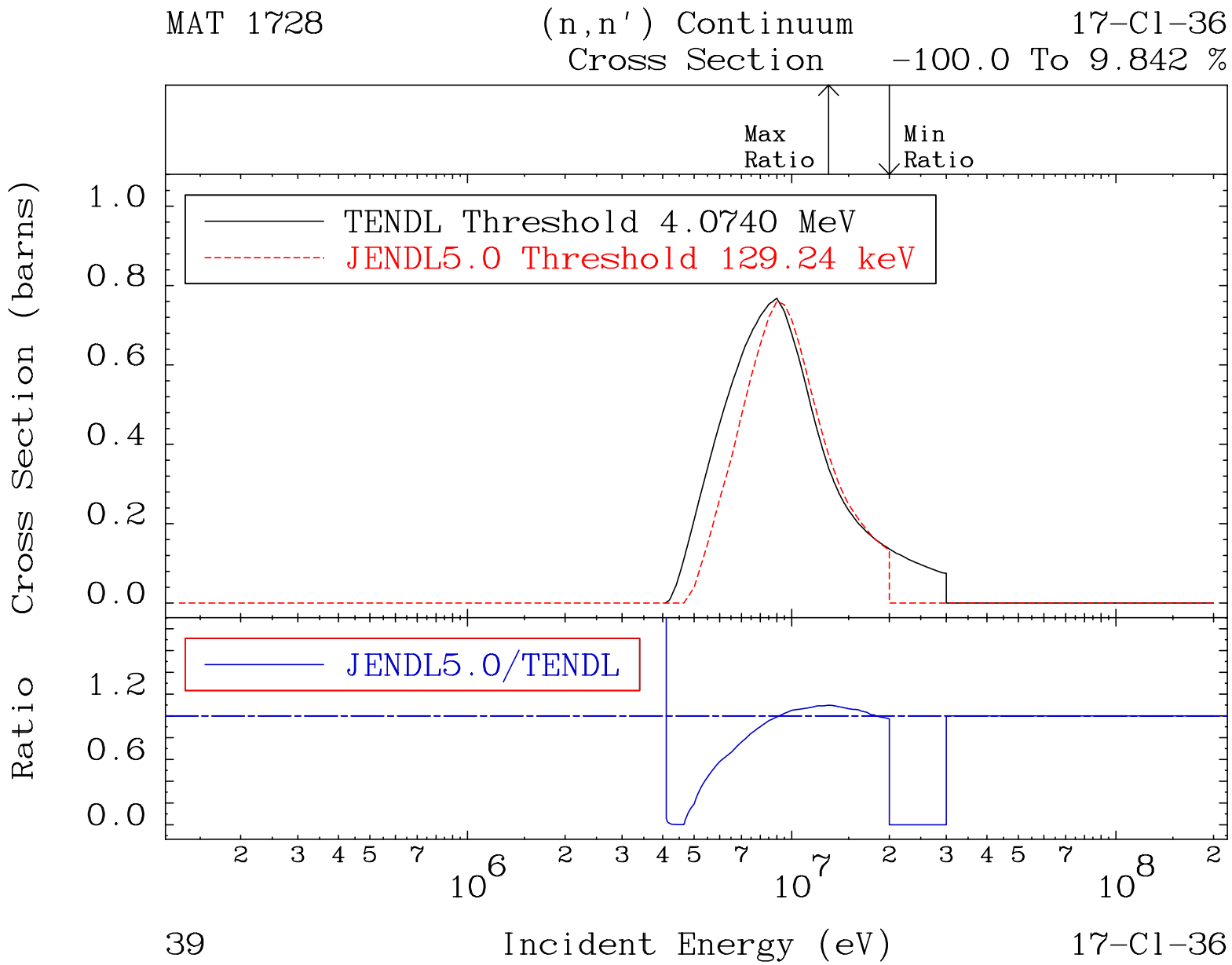

MAT 1728
MT= 74 (n,n') Level
17-Cl-36
Cross Section -100.0 To 9800. %
Max Ratio
Min Ratio
TENDL Threshold 3.8278 MeV
JENDL5.0 Threshold 3.8278 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
120
60
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
17-Cl-36

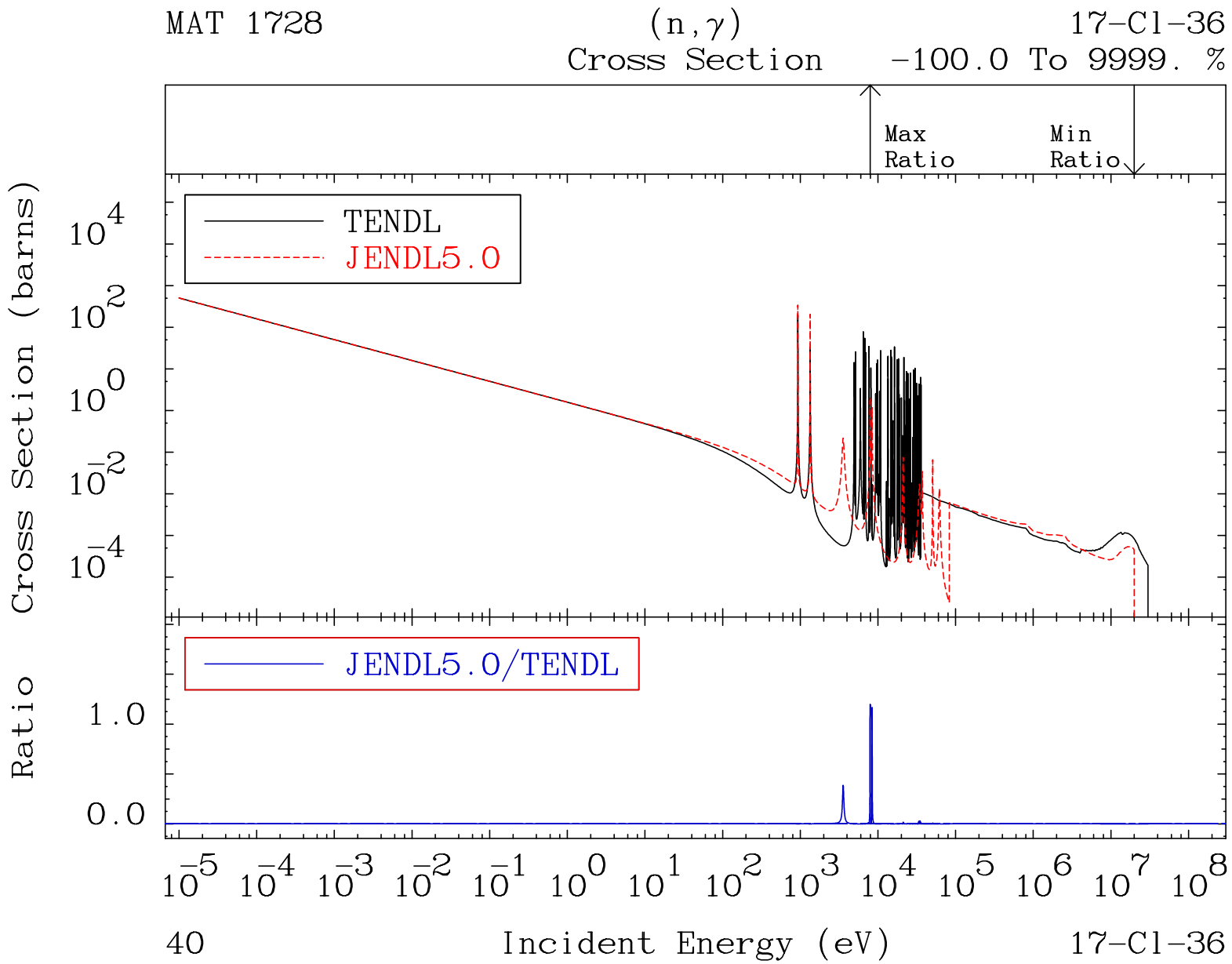

MAT 1728
MT= 75 (n,n') Level
17-Cl-36
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.8778 MeV
JENDL5.0 Threshold 3.8778 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
120
60
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
17-Cl-36

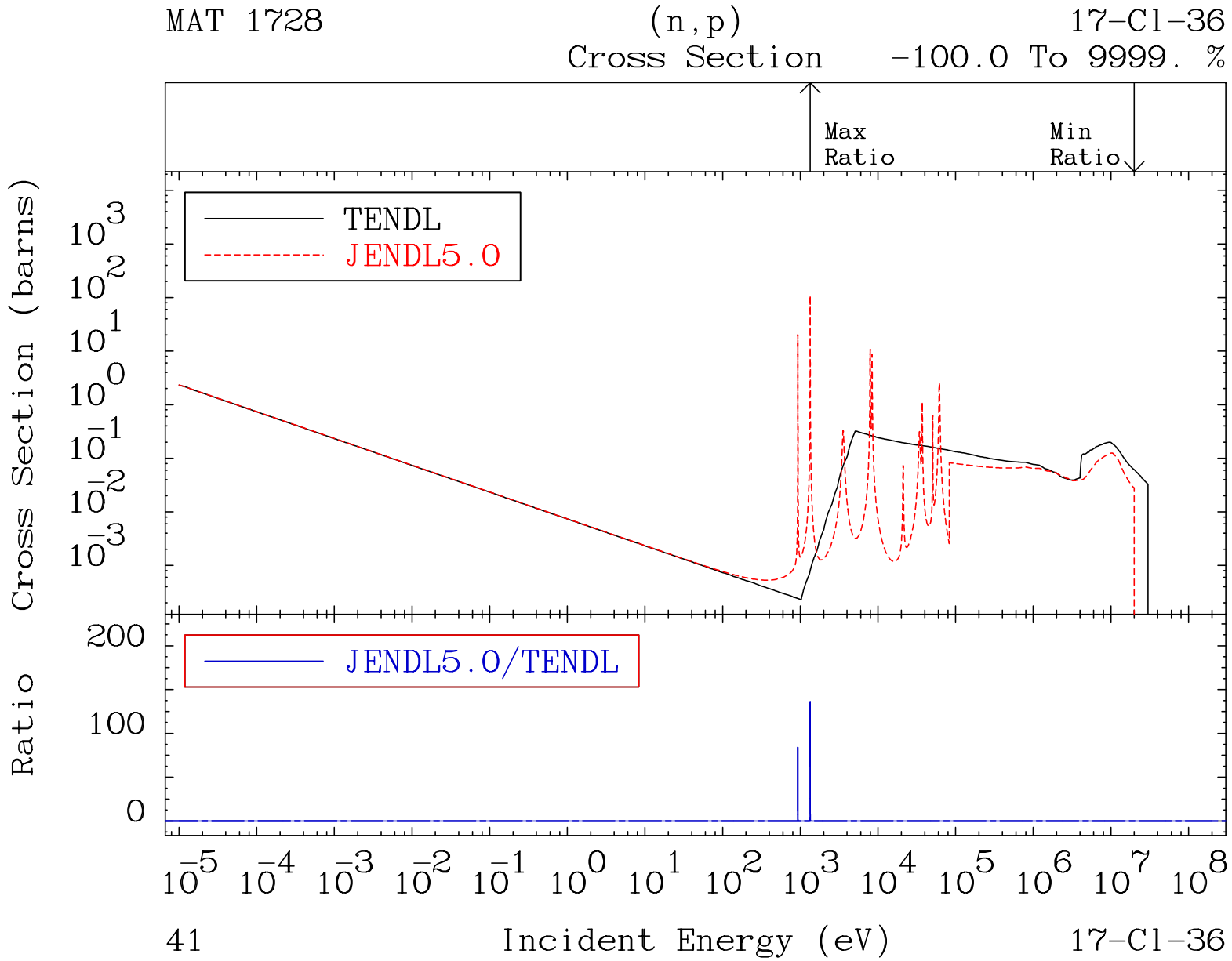

MAT 1728
MT= 76 (n,n') Level
17-Cl-36
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.9332 MeV
JENDL5.0 Threshold 3.9332 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
36
17-Cl-36

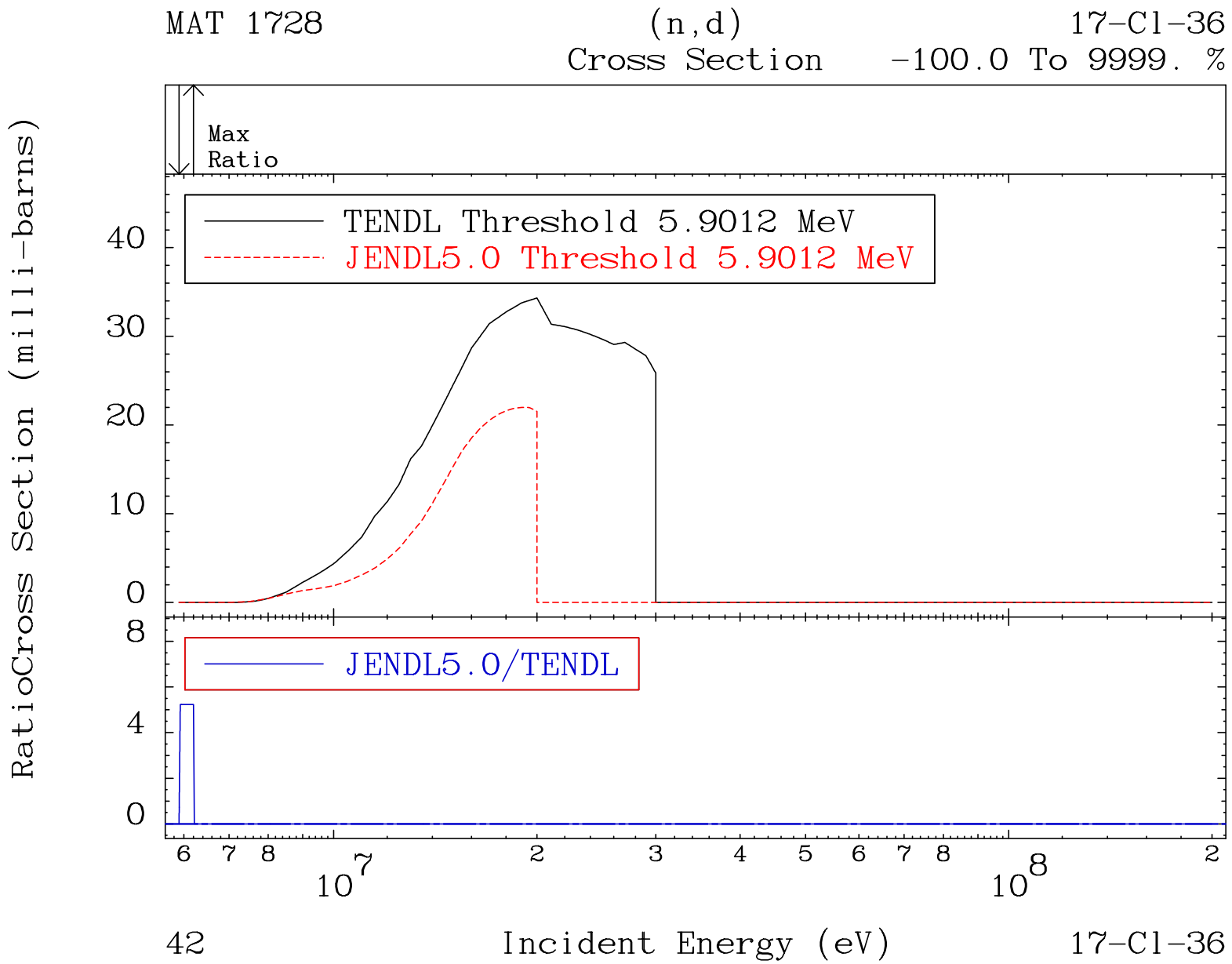

MAT 1728
MT= 77 (n,n') Level
17-Cl-36
Cross Section -100.0 To 692.9 %
Max Ratio
Min Ratio
TENDL Threshold 4.0519 MeV
JENDL5.0 Threshold 4.0519 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
37
17-Cl-36

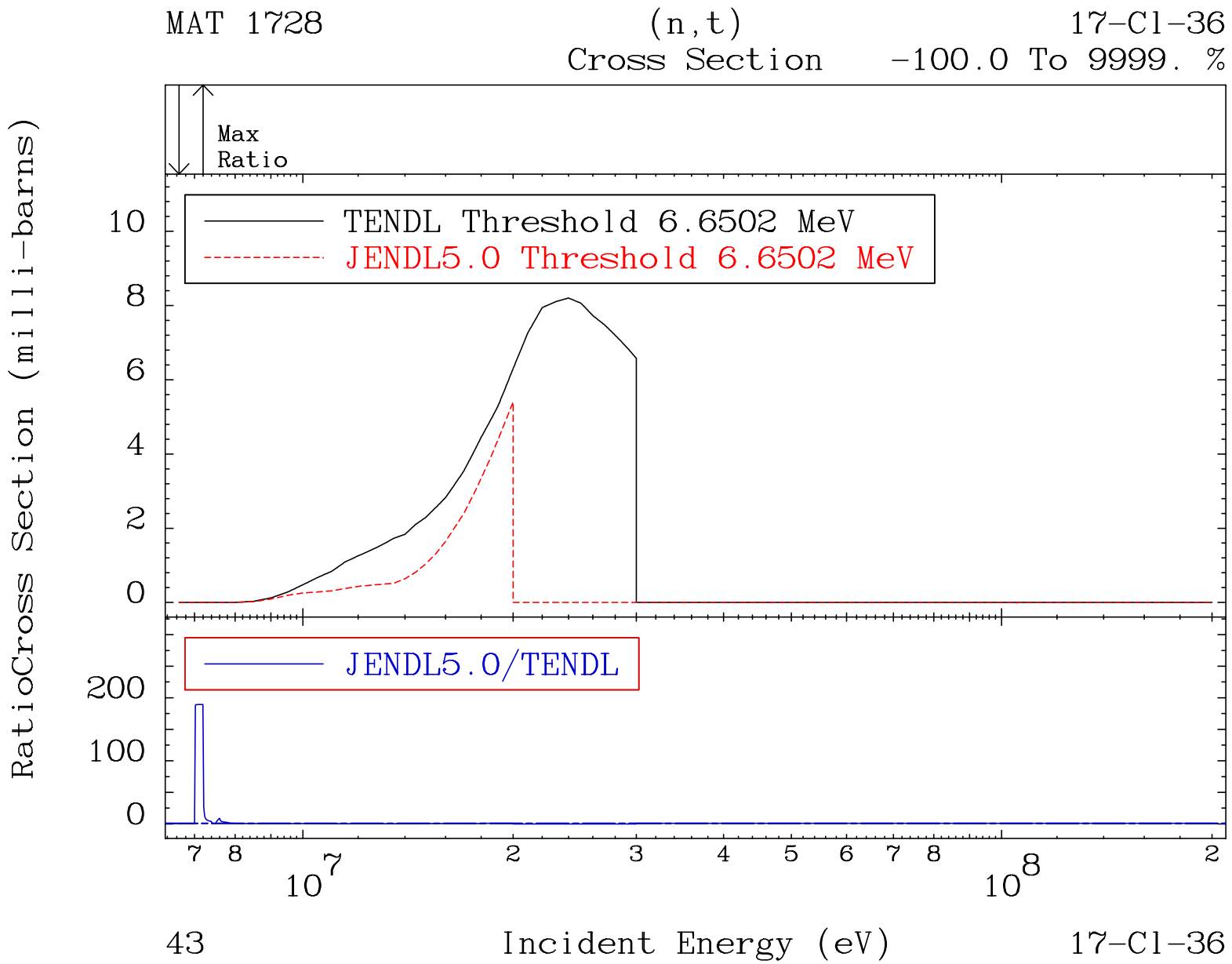

MAT 1728
MT= 78 (n,n') Level
17-Cl-36
Cross Section -100.0 To 7857. %
Max Ratio
Min Ratio
TENDL Threshold 4.0740 MeV
JENDL5.0 Threshold 4.0740 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
120
80
40
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
38
Incident Energy (eV)
17-Cl-36

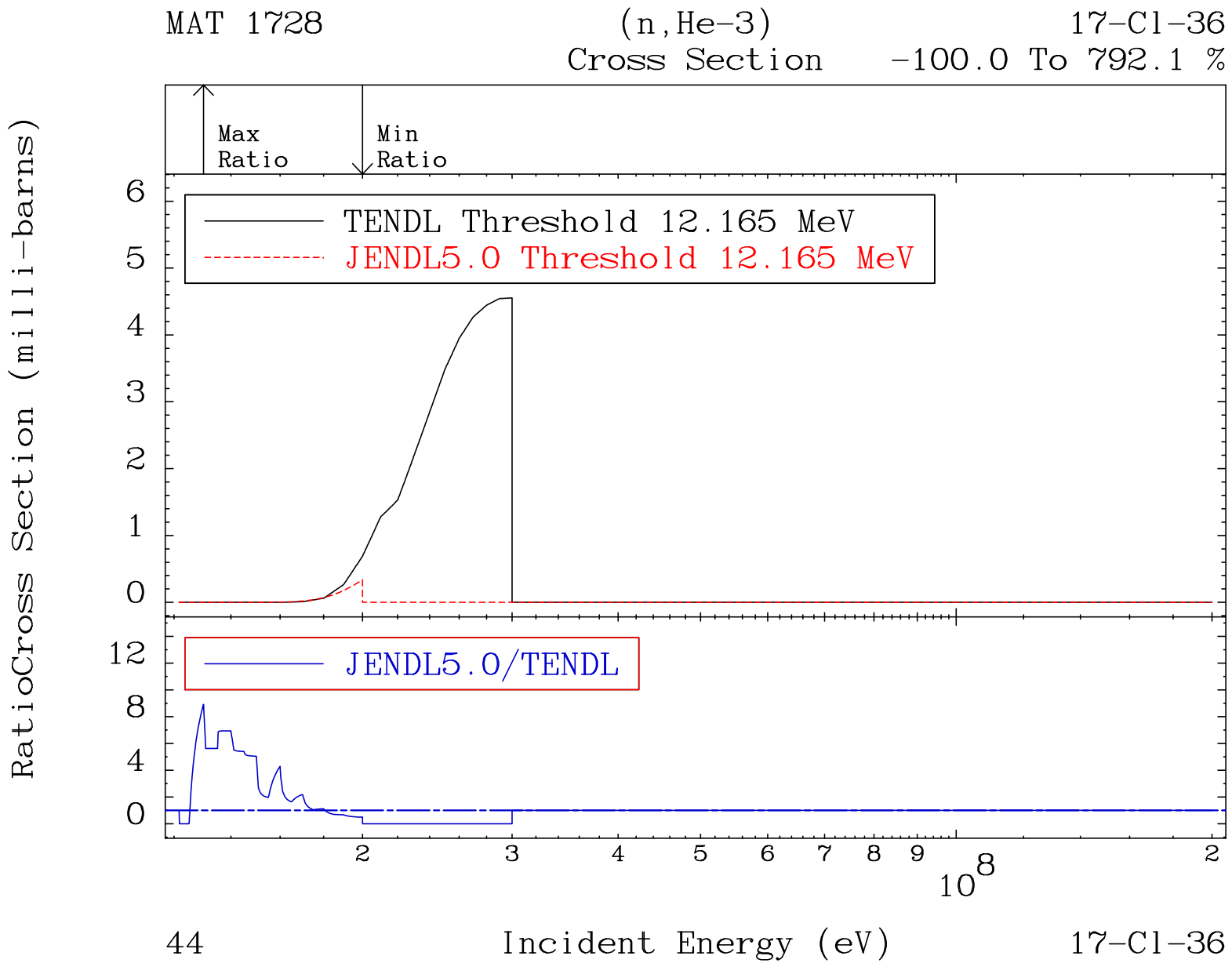

MAT 1728
(n,n') Continuum
Cross Section
17-Cl-36
-100.0 To 9.842 %
Max Ratio
Min Ratio
TENDL Threshold 4.0740 MeV
JENDL5.0 Threshold 129.24 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
1.2
0.6
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
39
Incident Energy (eV)
17-Cl-36

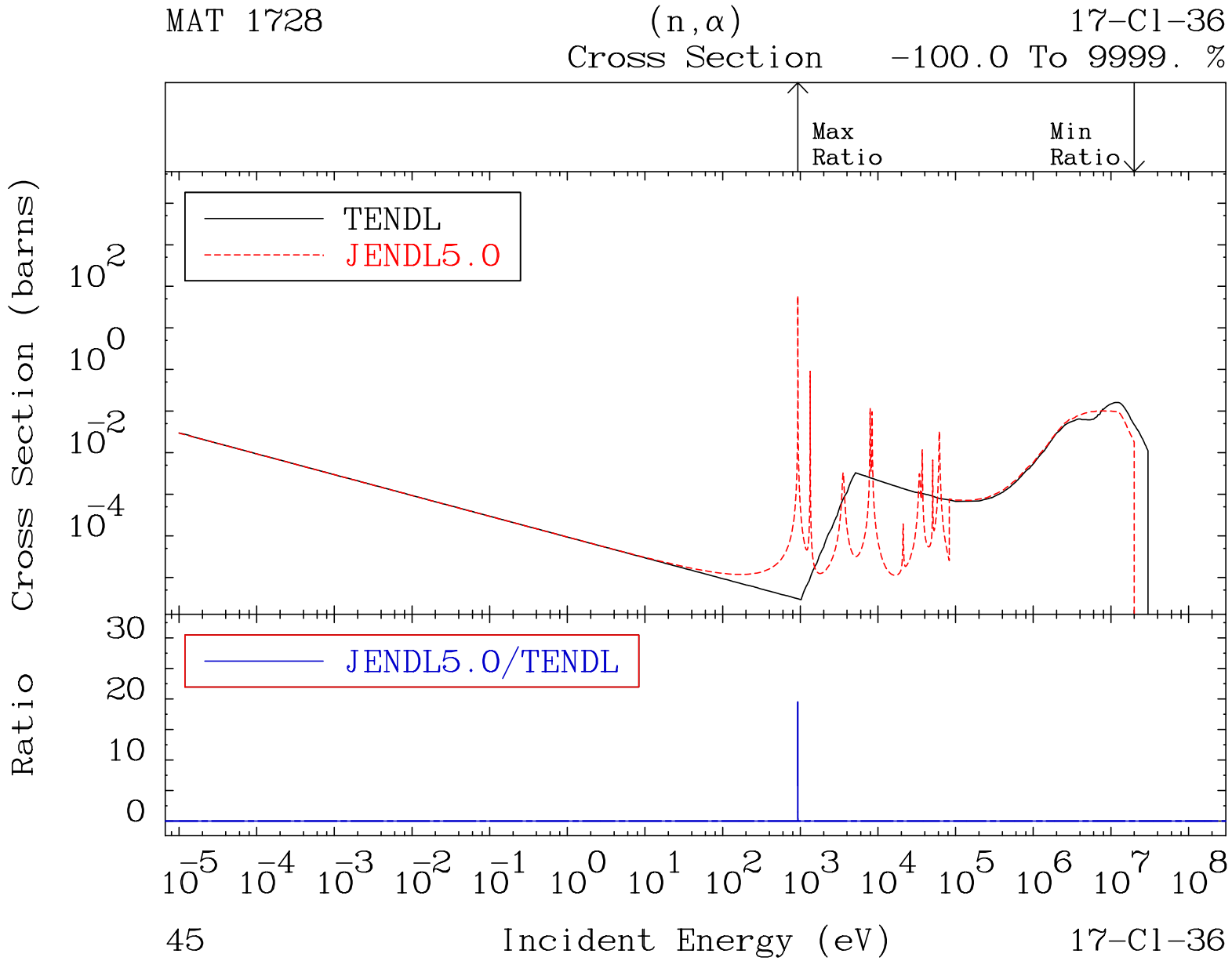

MAT 1728
(n,γ)
17-Cl-36
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
40
17-Cl-36

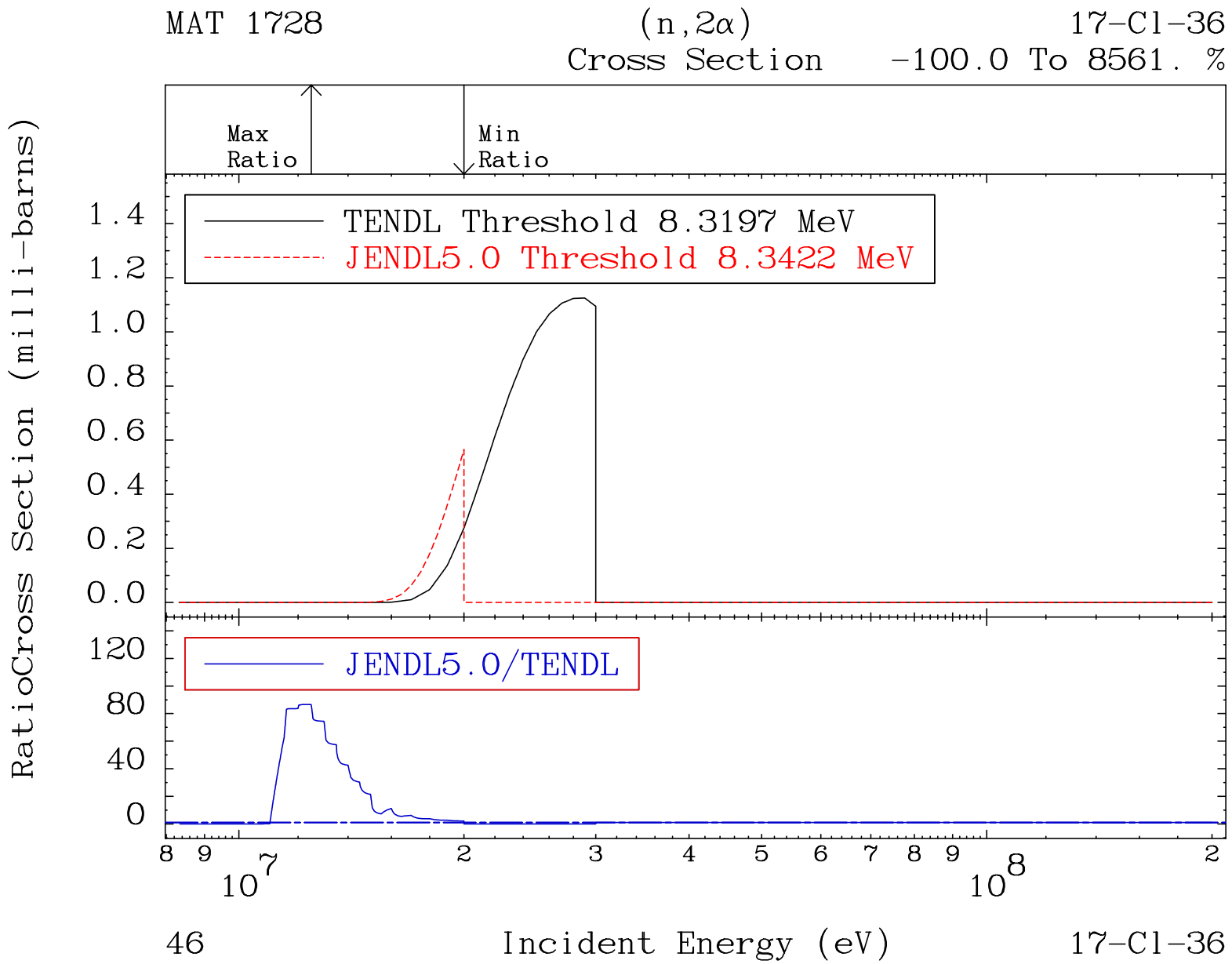

MAT 1728
(n,p)
17-Cl-36
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
41
17-Cl-36

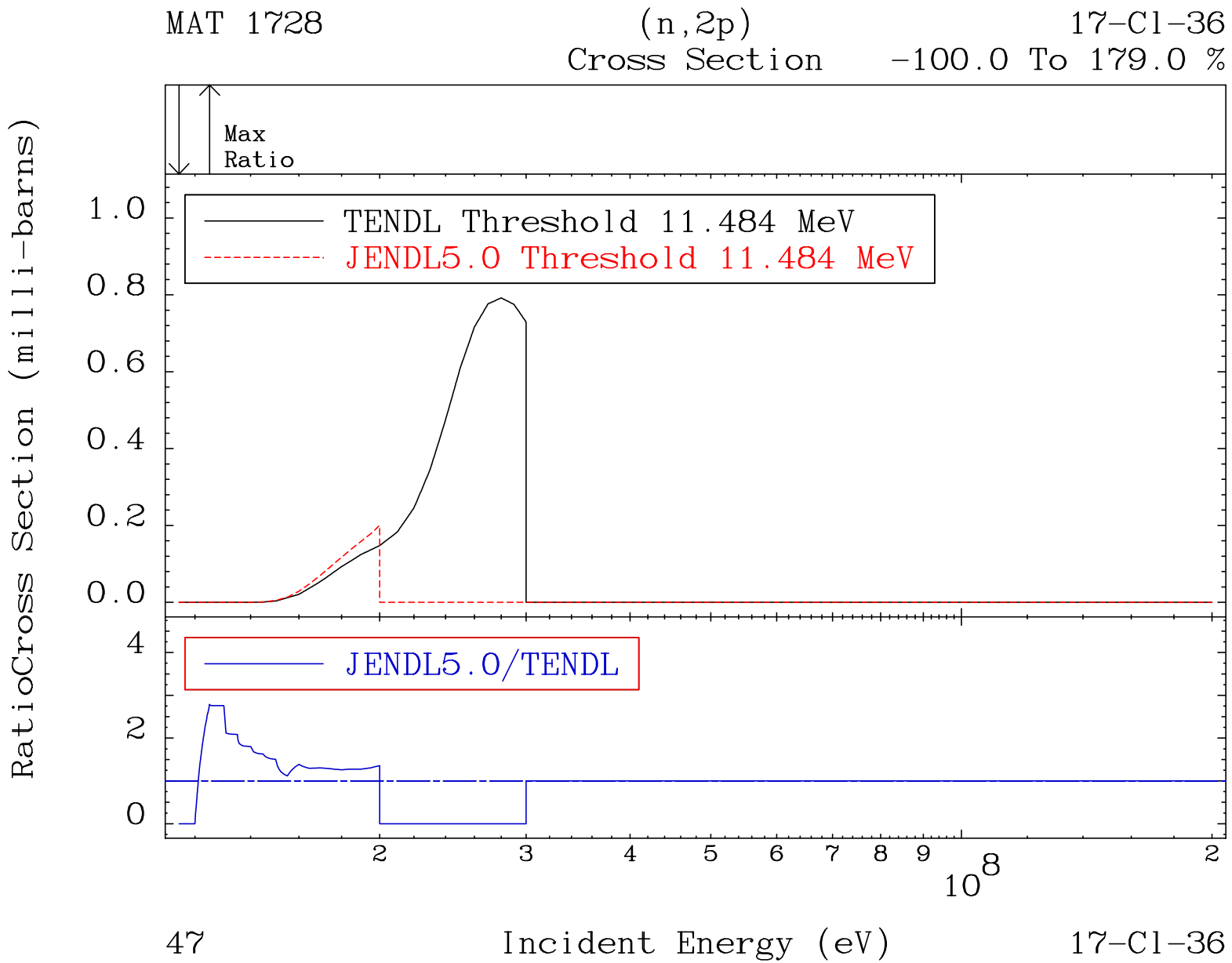

MAT 1728
(n,d)
17-Cl-36
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 5.9012 MeV
JENDL5.0 Threshold 5.9012 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
8
4
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
42
Incident Energy (eV)
17-Cl-36

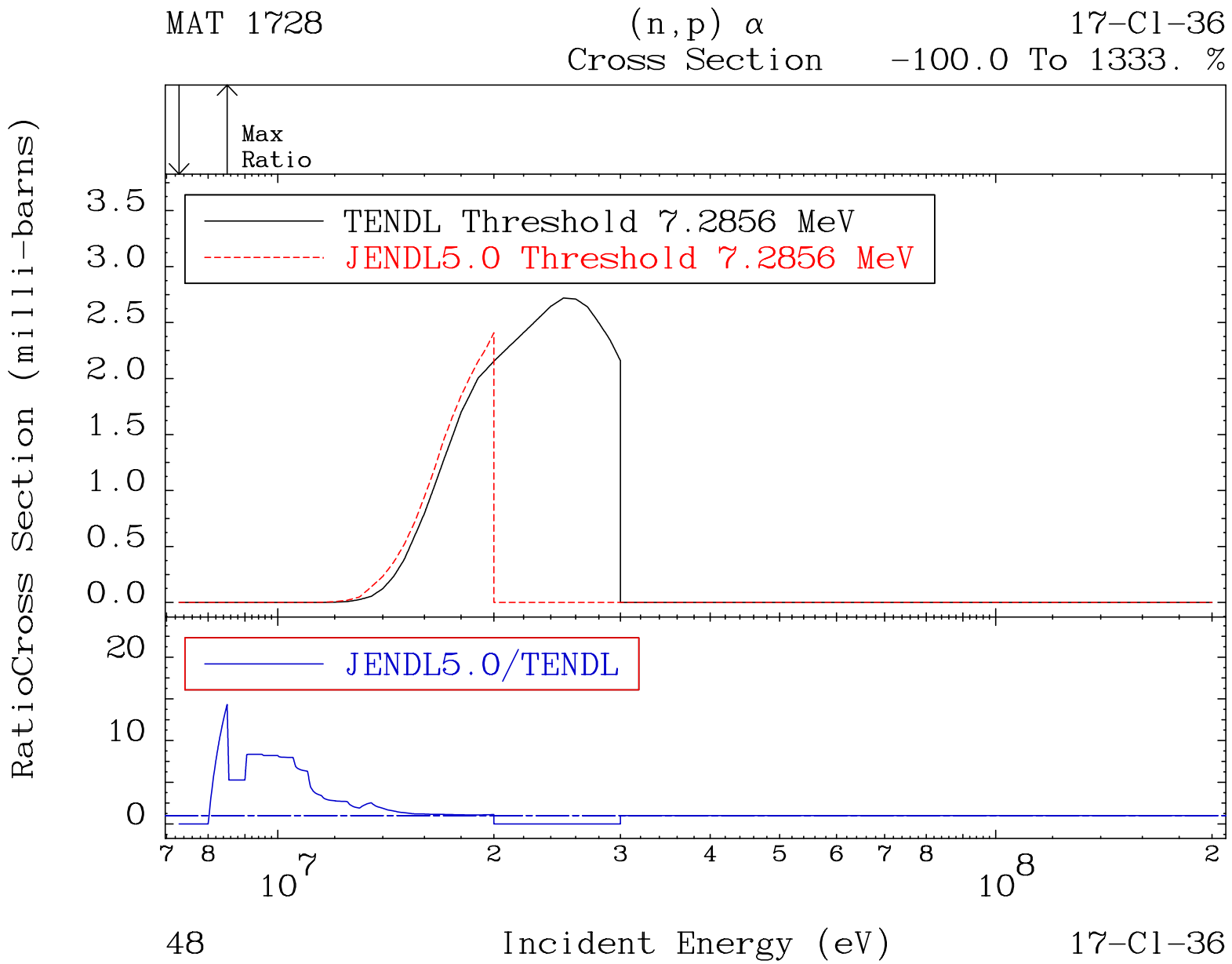

MAT 1728
(n,t)
17-Cl-36
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.6502 MeV
JENDL5.0 Threshold 6.6502 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
200
100
0
7
8
10^7
2
3
4
5
6
7
8
10^8
2
43
Incident Energy (eV)
17-Cl-36

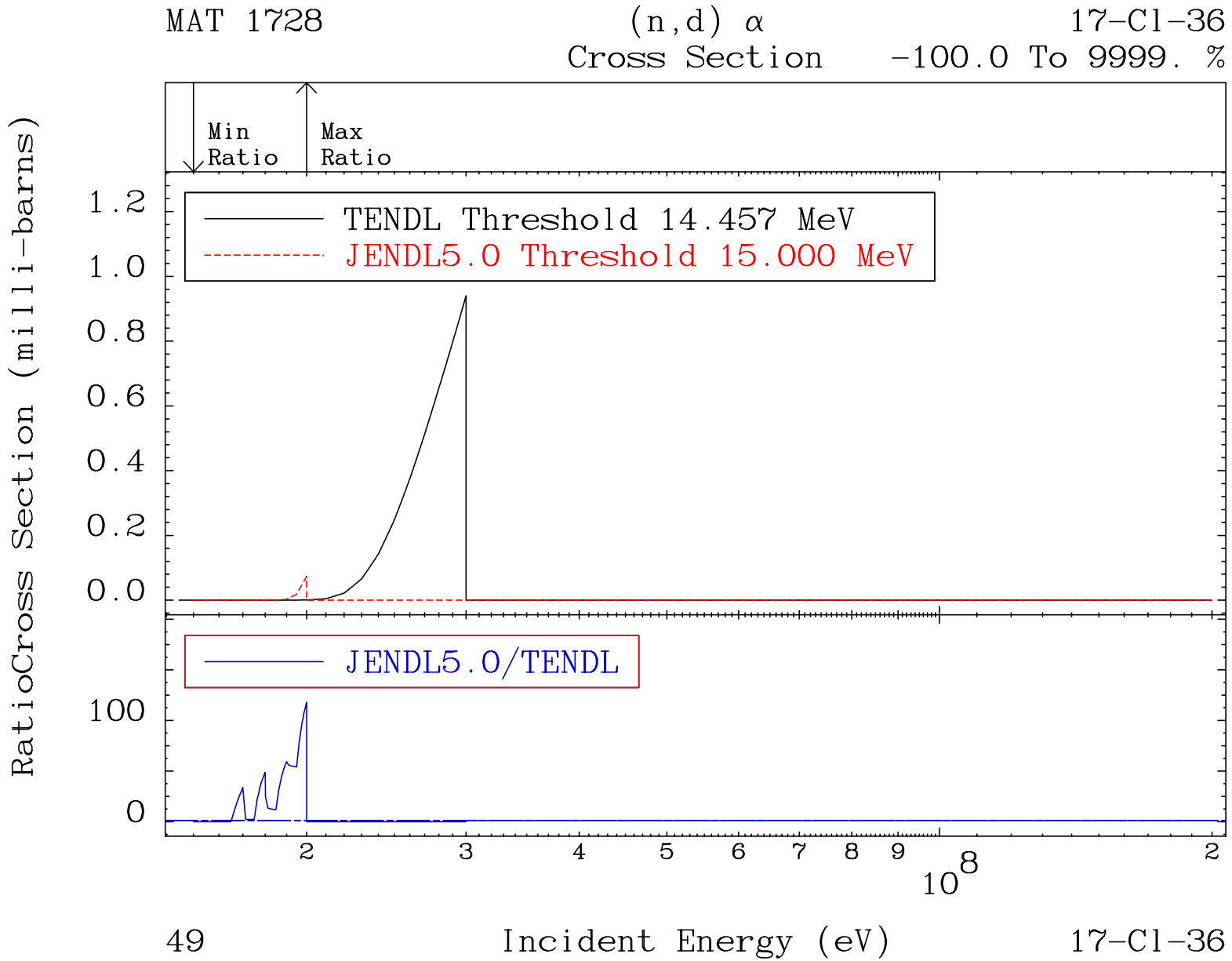

MAT 1728
(n,He-3)
17-Cl-36
Cross Section
-100.0 To 792.1 %
Max Ratio
Min Ratio
TENDL Threshold 12.165 MeV
JENDL5.0 Threshold 12.165 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
44
17-Cl-36

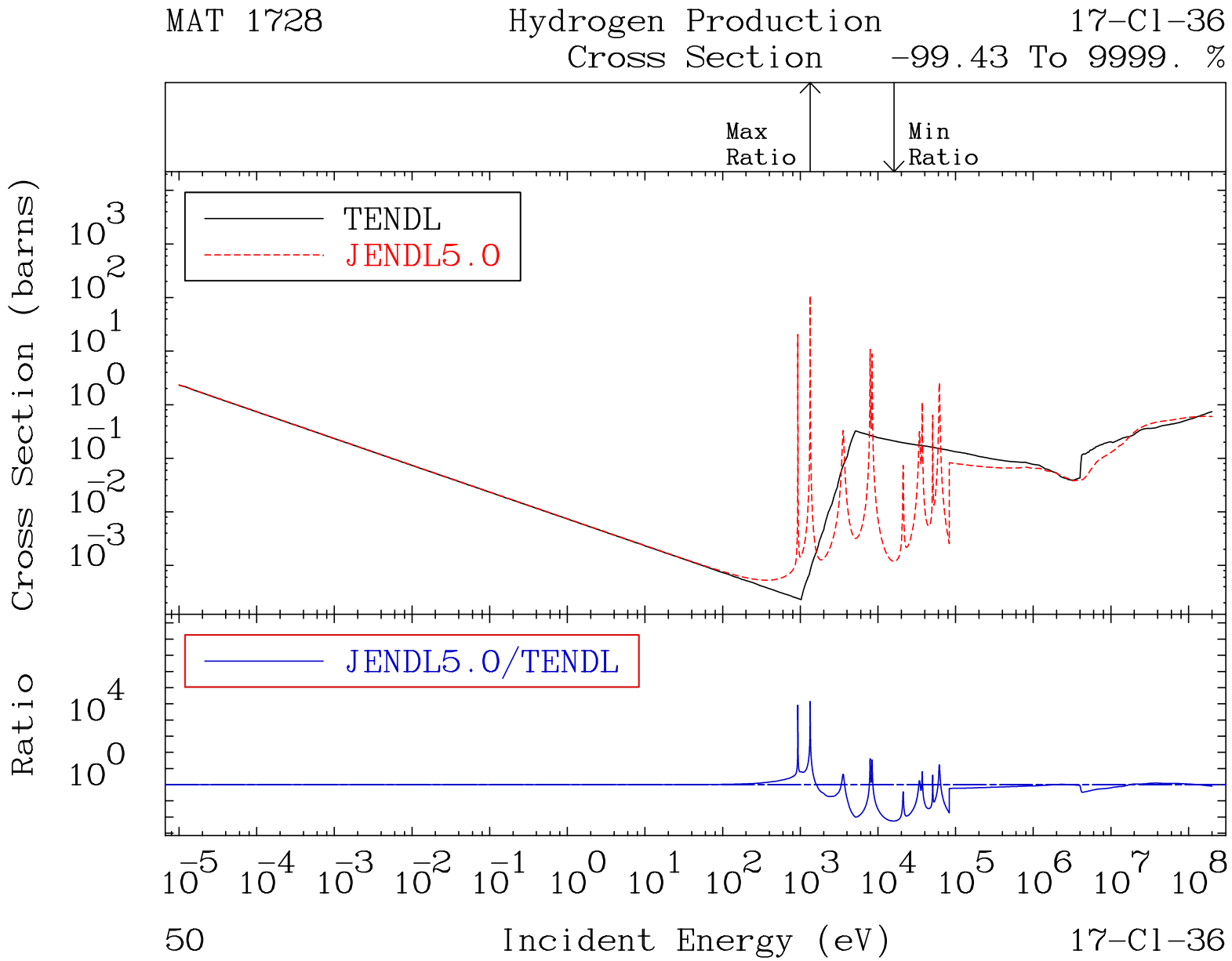

MAT 1728
(n,α)
17-Cl-36
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^2
10^0
10^-2
10^-4
JENDL5.0/TENDL
Ratio
30
20
10
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
45
Incident Energy (eV)
17-Cl-36

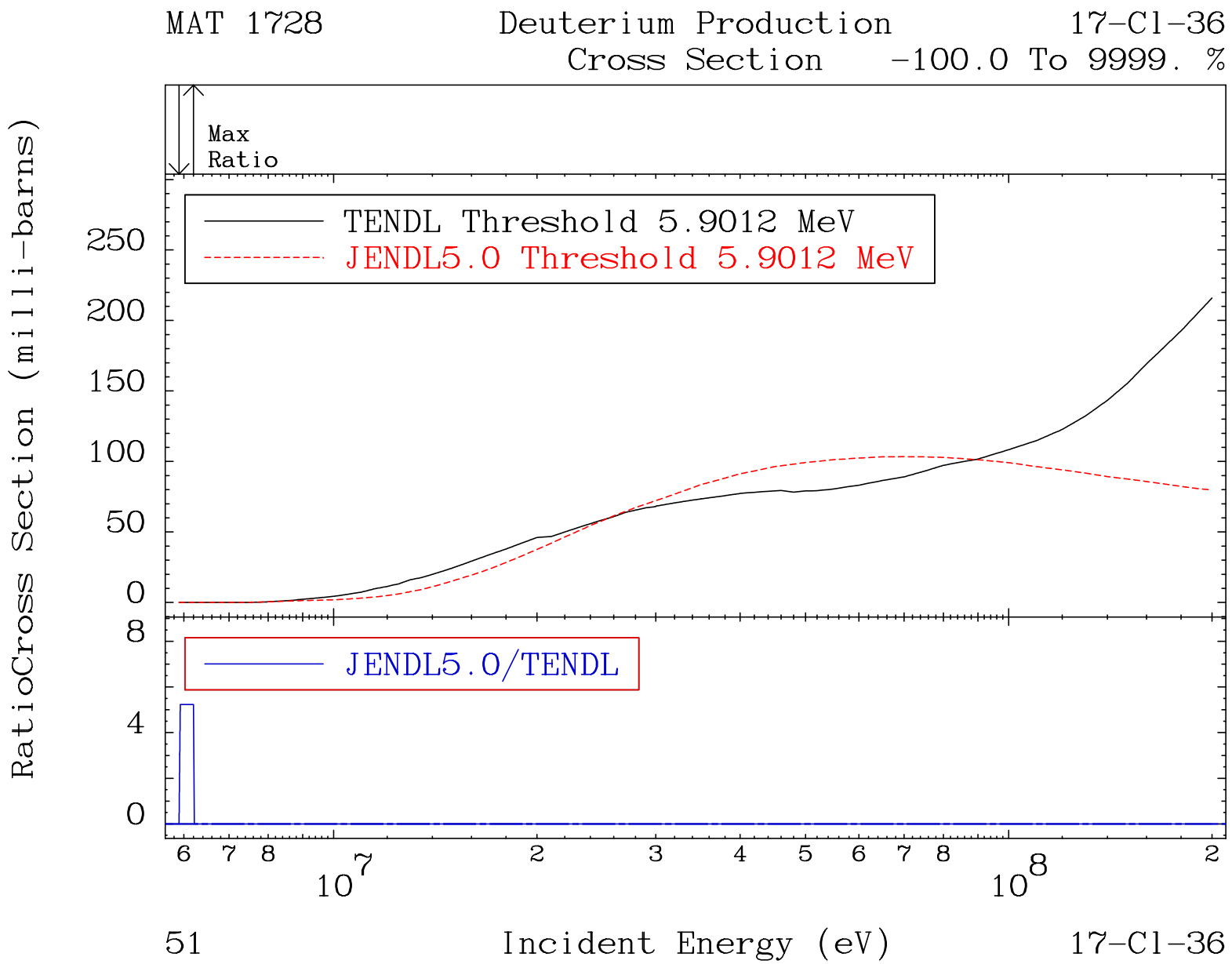

MAT 1728
(n,2α)
17-Cl-36
Cross Section
-100.0 To 8561. %
Max Ratio
Min Ratio
TENDL Threshold 8.3197 MeV
JENDL5.0 Threshold 8.3422 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
120
80
40
0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
46
Incident Energy (eV)
17-Cl-36

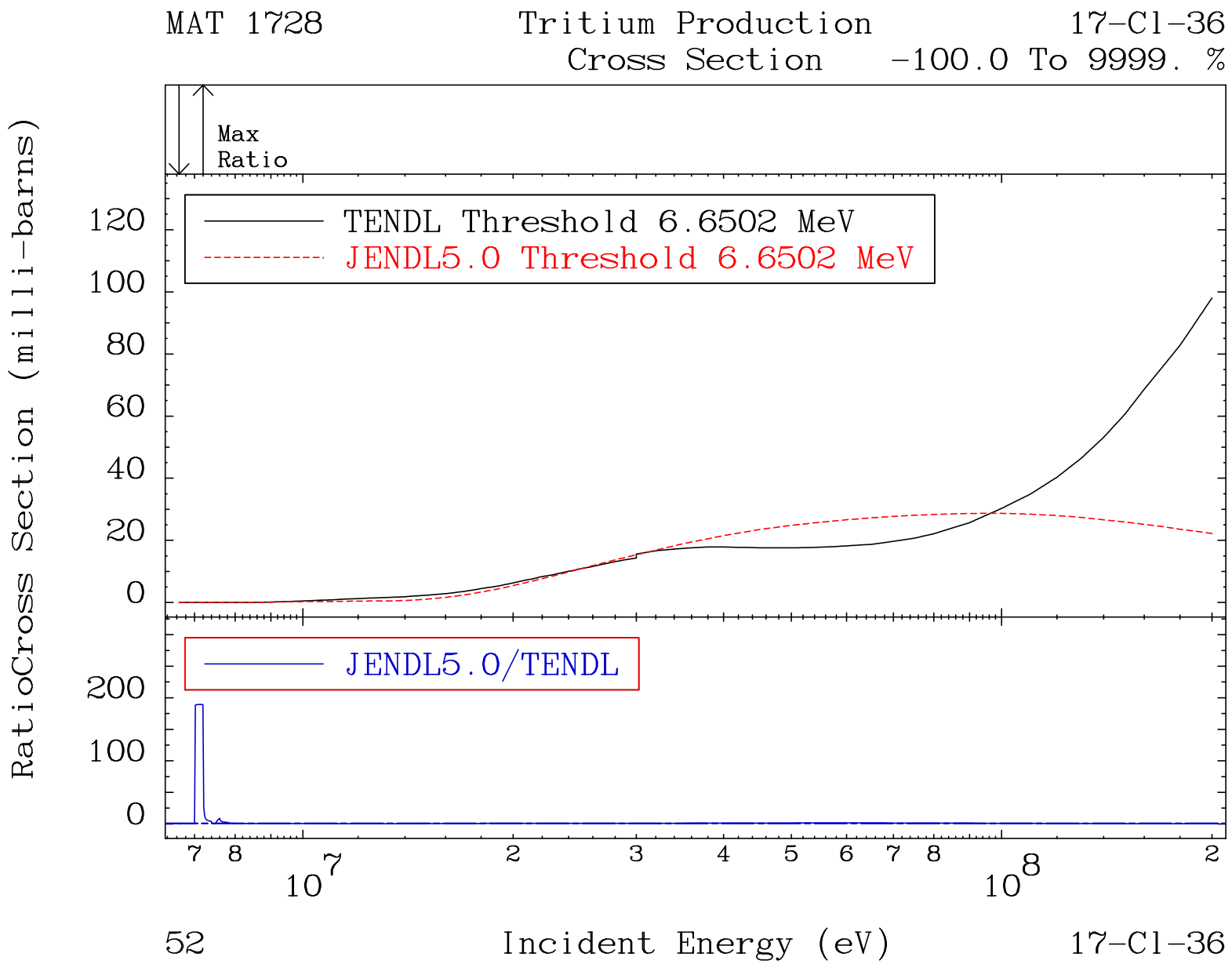

MAT 1728
(n,2p)
17-Cl-36
Cross Section
-100.0 To 179.0 %
Max
Ratio
TENDL Threshold 11.484 MeV
JENDL5.0 Threshold 11.484 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
4
2
0
2
3
4
5
6
7
8
9
2
10^8
47
Incident Energy (eV)
17-Cl-36

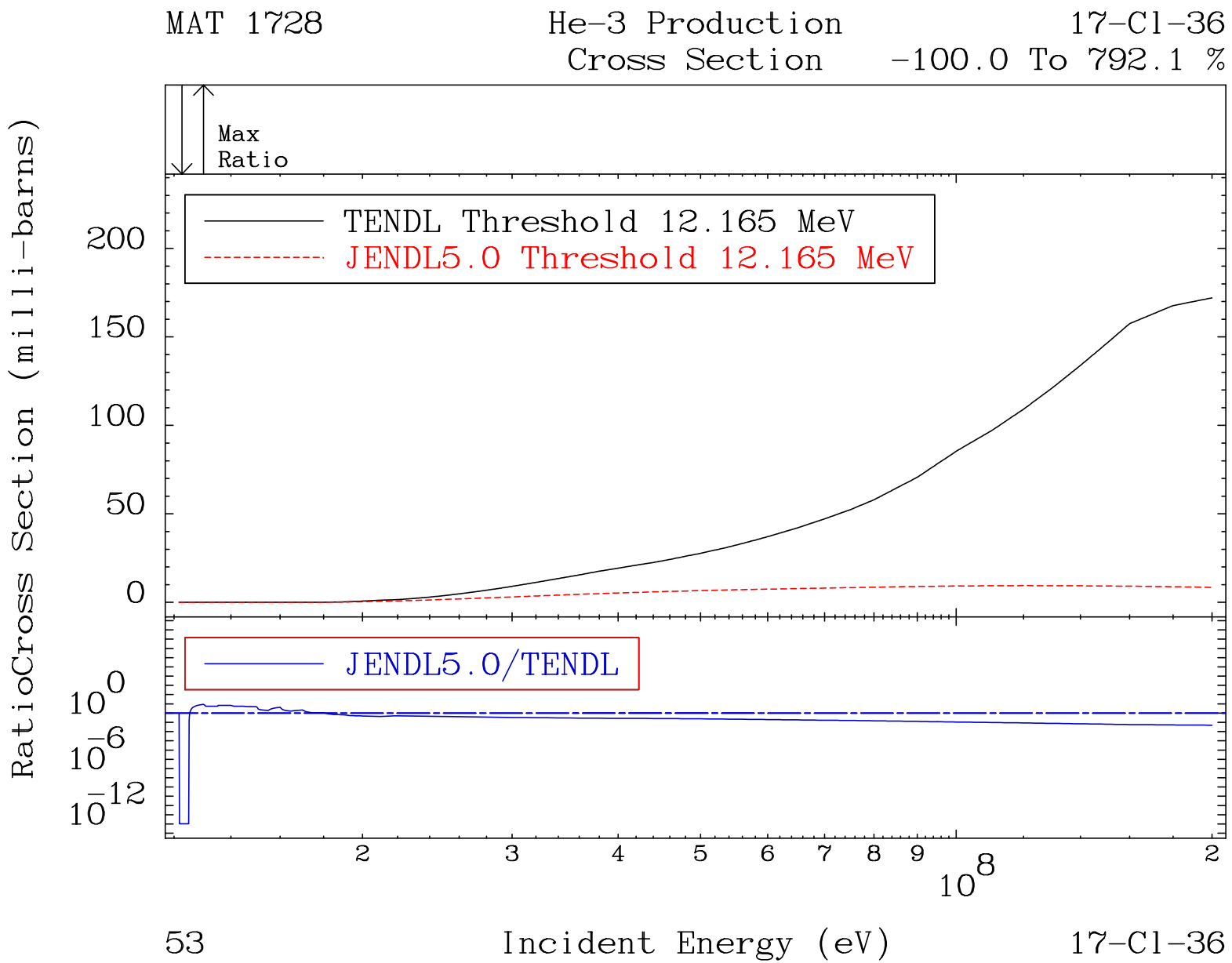

MAT 1728
(n,p) α
17-Cl-36
Cross Section
-100.0 To 1333. %
Max
Ratio
TENDL Threshold 7.2856 MeV
JENDL5.0 Threshold 7.2856 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
10
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
48
Incident Energy (eV)
17-Cl-36

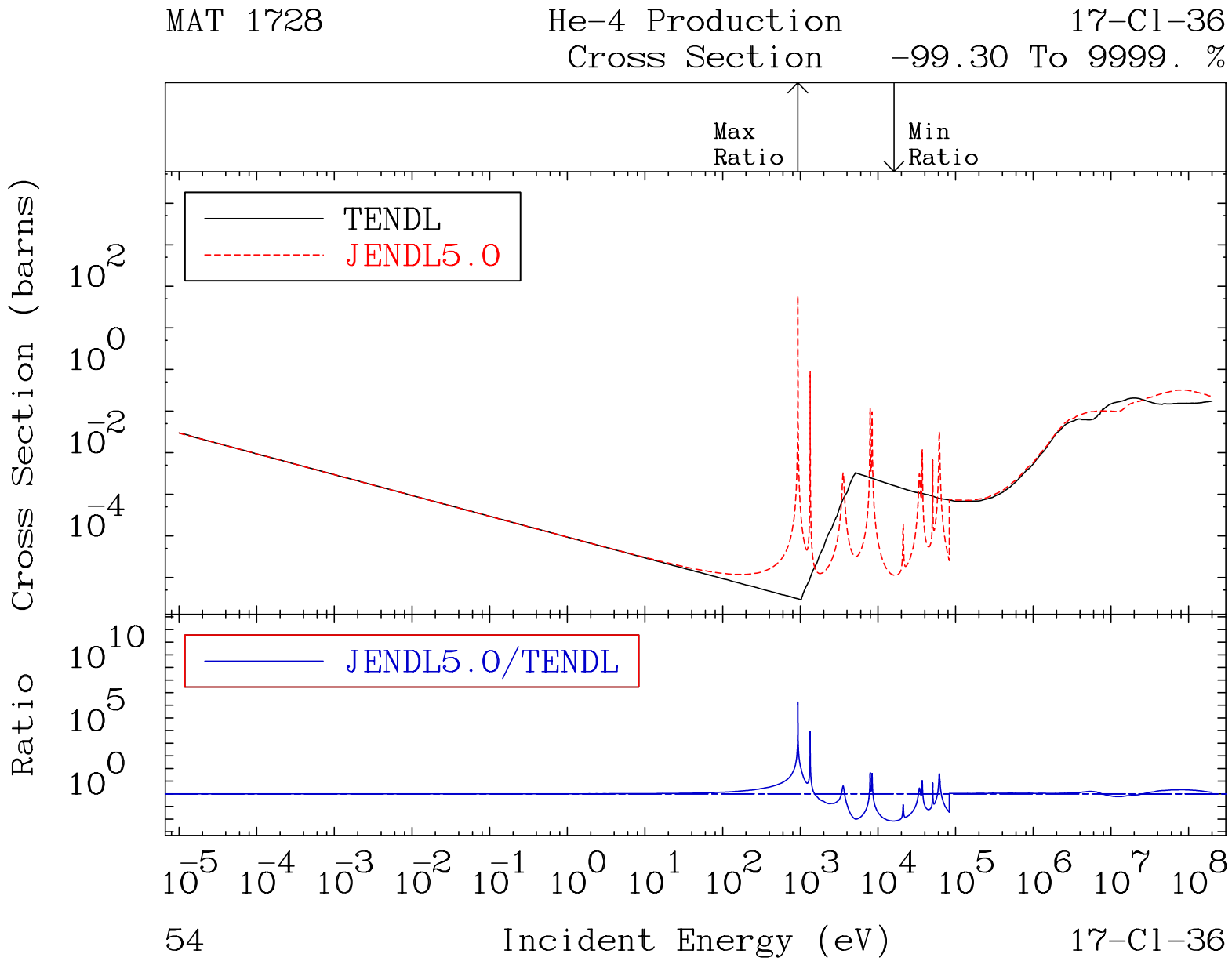

MAT 1728
(n,d) α
17-Cl-36
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 14.457 MeV
JENDL5.0 Threshold 15.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
100
0
2
3
4
5
6
7
8
9
10^8
2
49
Incident Energy (eV)
17-Cl-36

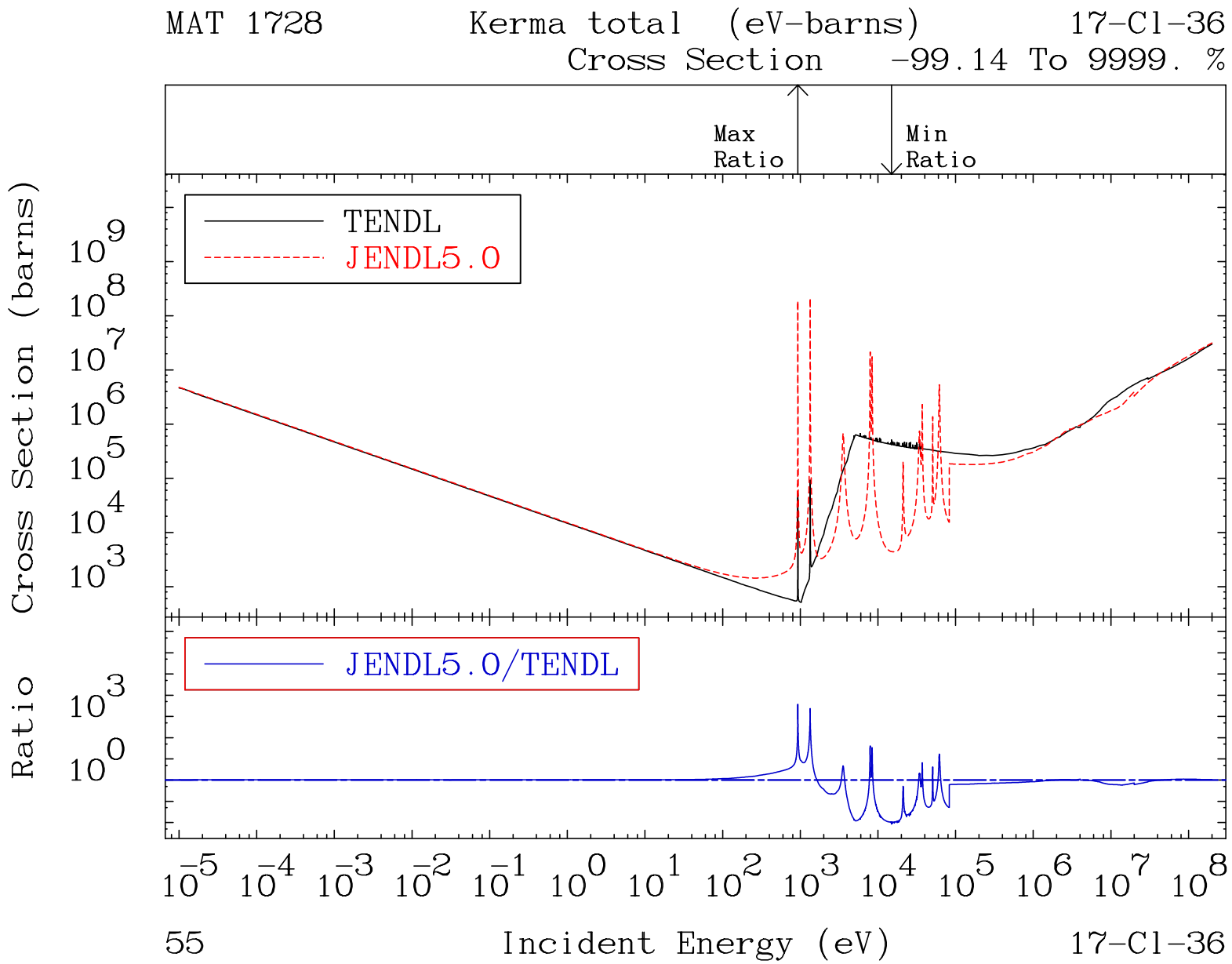

MAT 1728
Hydrogen Production
17-Cl-36
Cross Section
-99.43 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
50
17-Cl-36

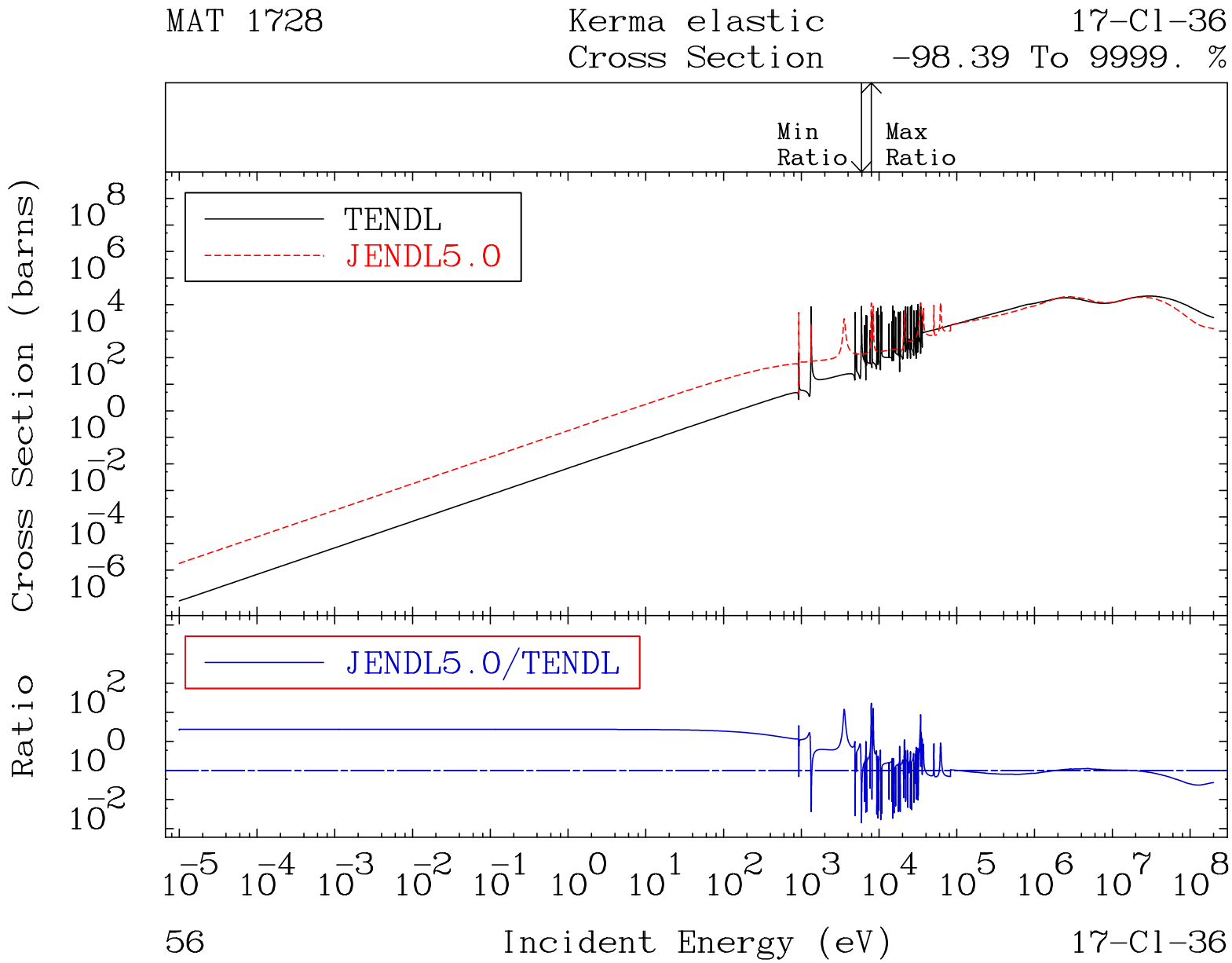

MAT 1728
Deuterium Production
17-Cl-36
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 5.9012 MeV
JENDL5.0 Threshold 5.9012 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
8
4
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
51
Incident Energy (eV)
17-Cl-36

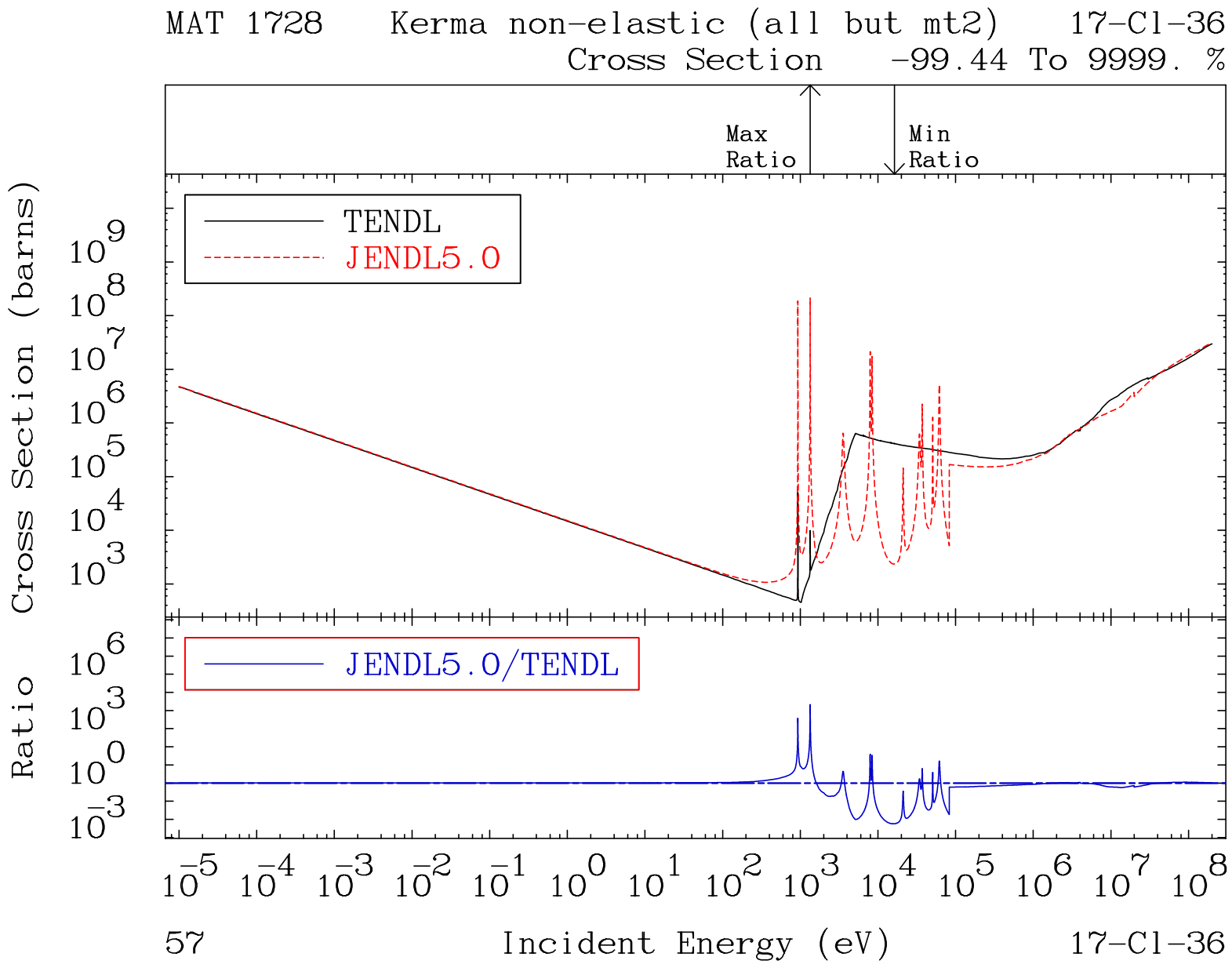

MAT 1728
Tritium Production
17-Cl-36
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.6502 MeV
JENDL5.0 Threshold 6.6502 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
200
100
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
52
Incident Energy (eV)
17-Cl-36

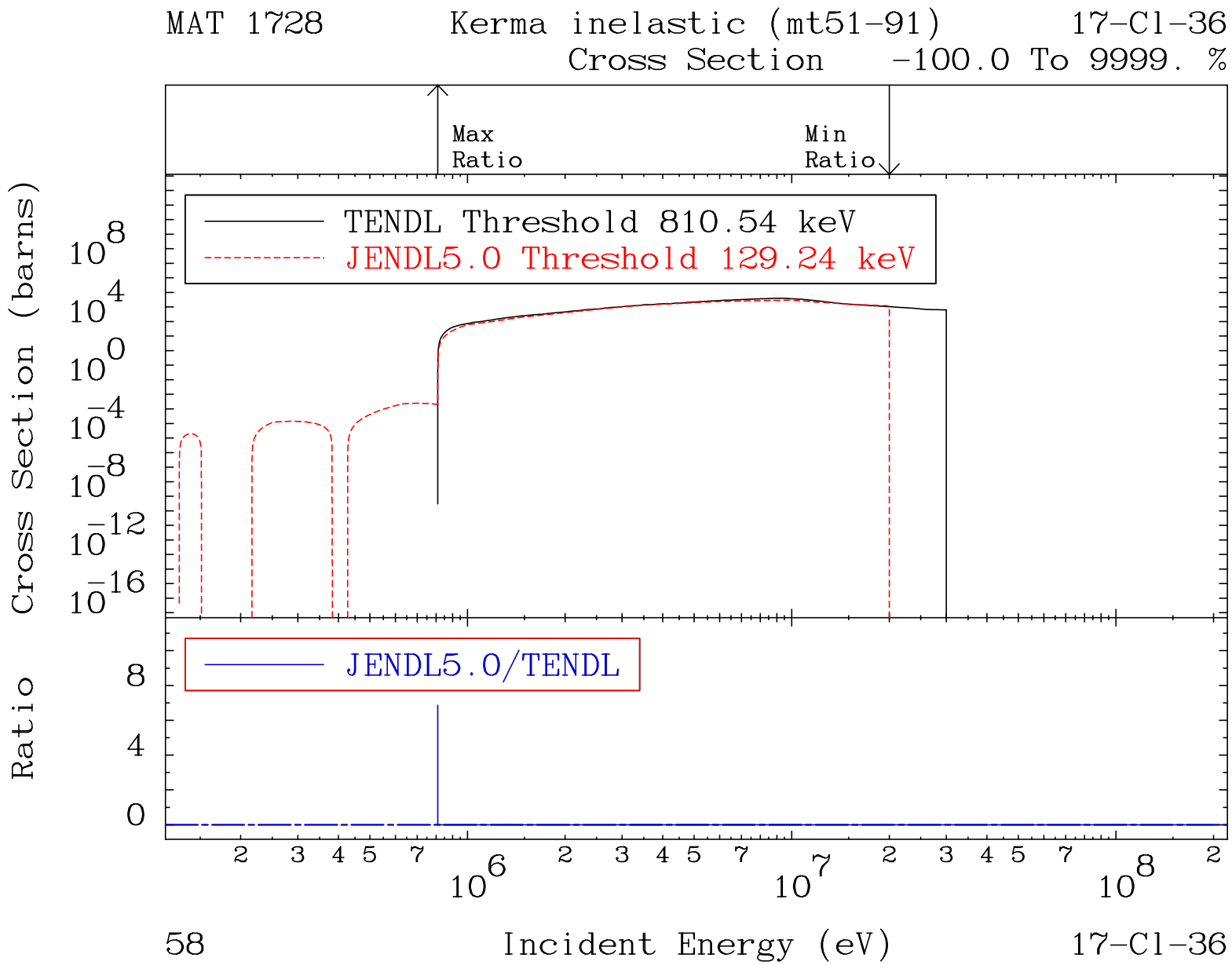

MAT 1728
He-3 Production
Cross Section
17-Cl-36
-100.0 To 792.1 %
Max
Ratio
TENDL Threshold 12.165 MeV
JENDL5.0 Threshold 12.165 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
10^0
10^-6
10^-12
2
3
4
5
6
7
8
9
10^8
2
53
Incident Energy (eV)
17-Cl-36

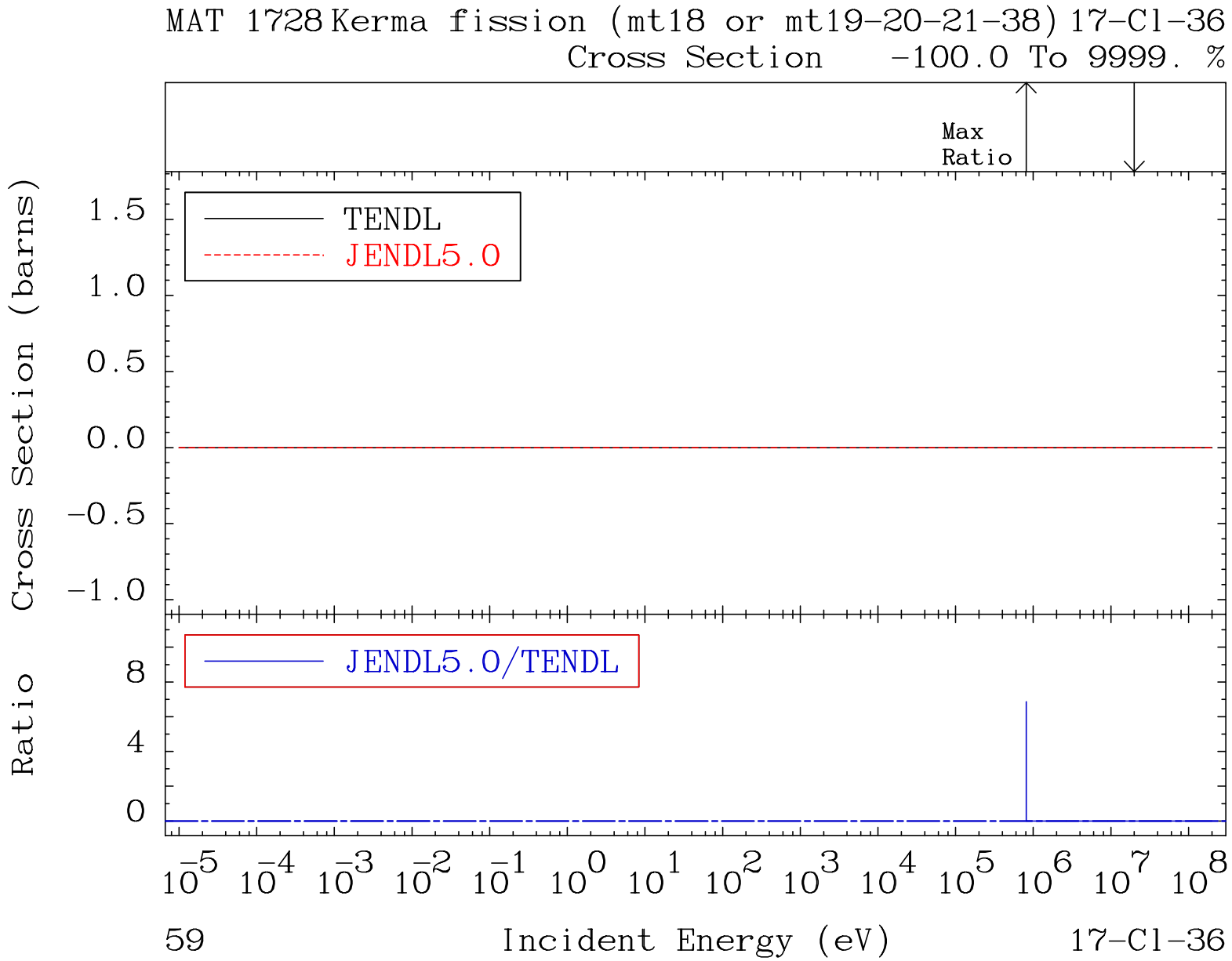

MAT 1728
He-4 Production
Cross Section
17-Cl-36
-99.30 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
54
17-Cl-36

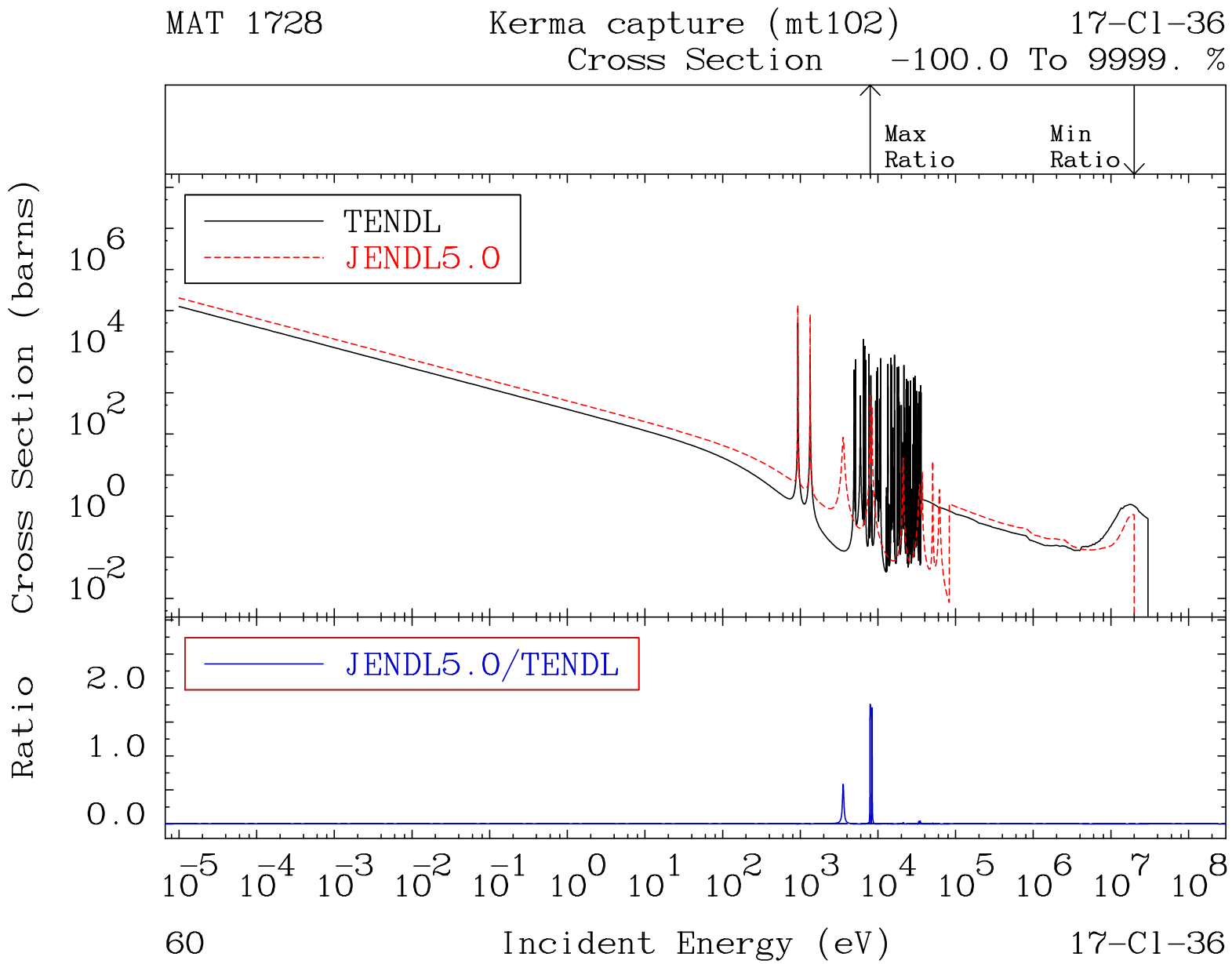

MAT 1728
Kerma total (eV-barns)
17-Cl-36
Cross Section -99.14 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
55
17-Cl-36

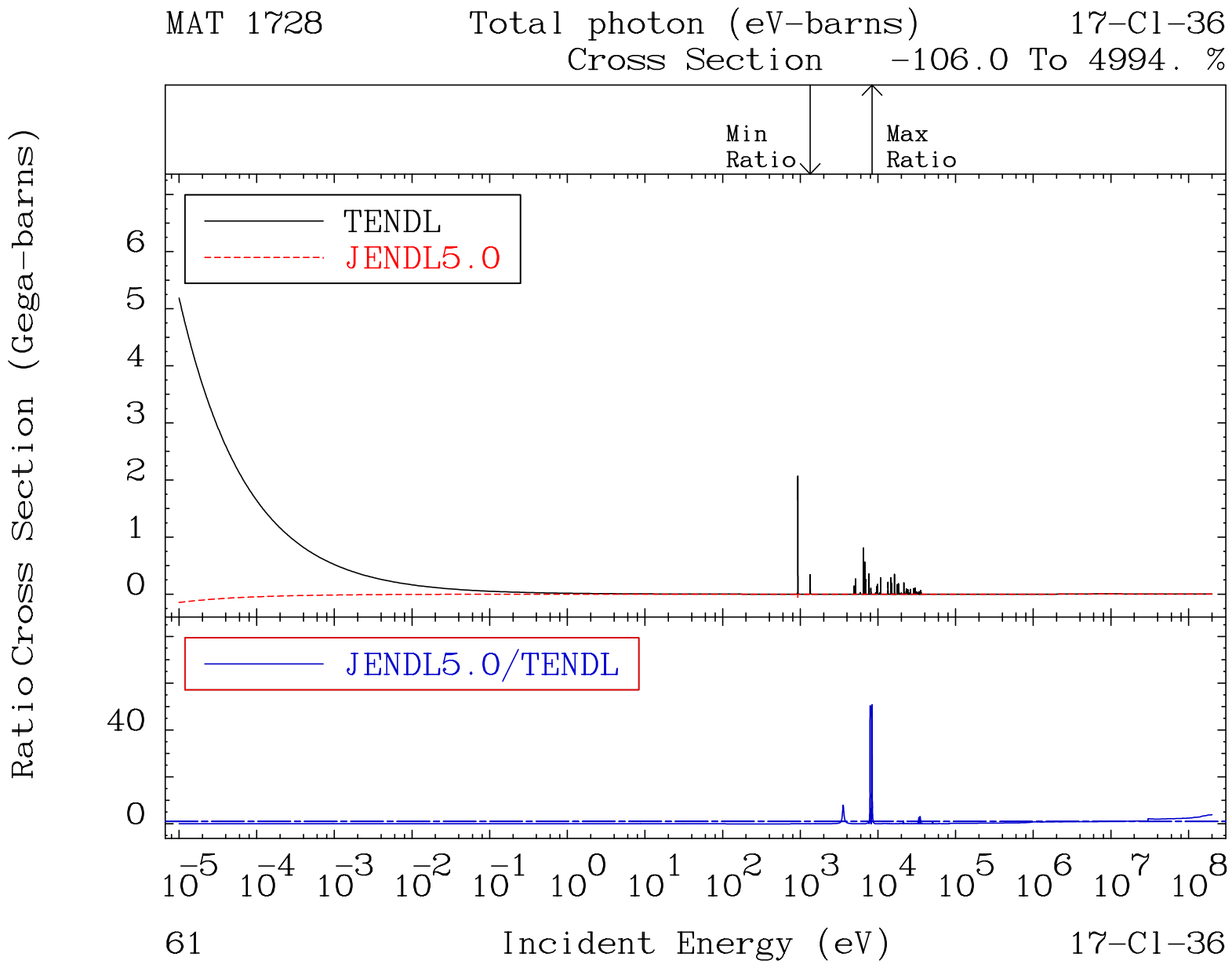

MAT 1728
Kerma elastic
Cross Section
17-Cl-36
-98.39 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
56
17-Cl-36

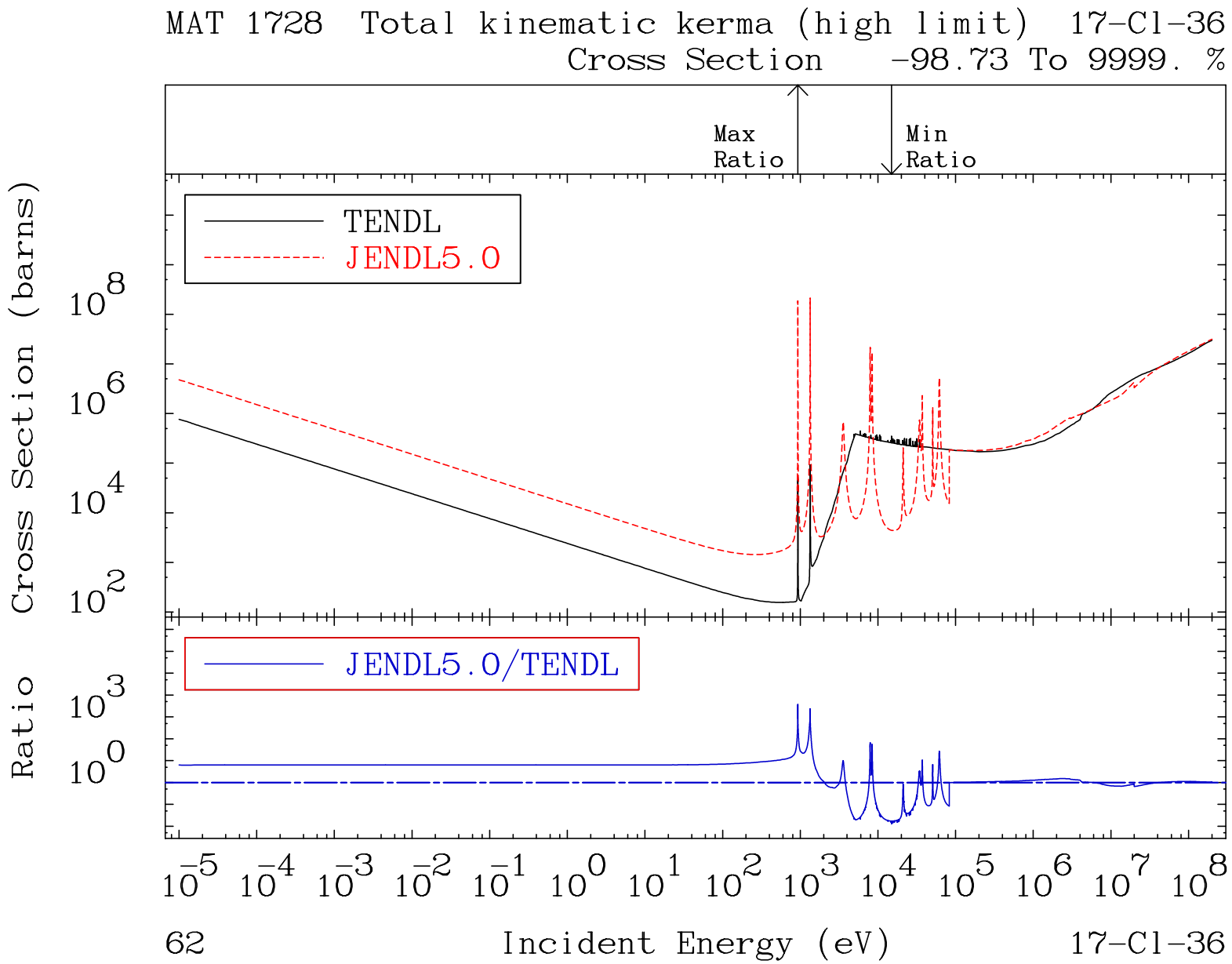

MAT 1728 Kerma non-elastic (all but mt2) 17-Cl-36
Cross Section -99.44 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
57
17-Cl-36

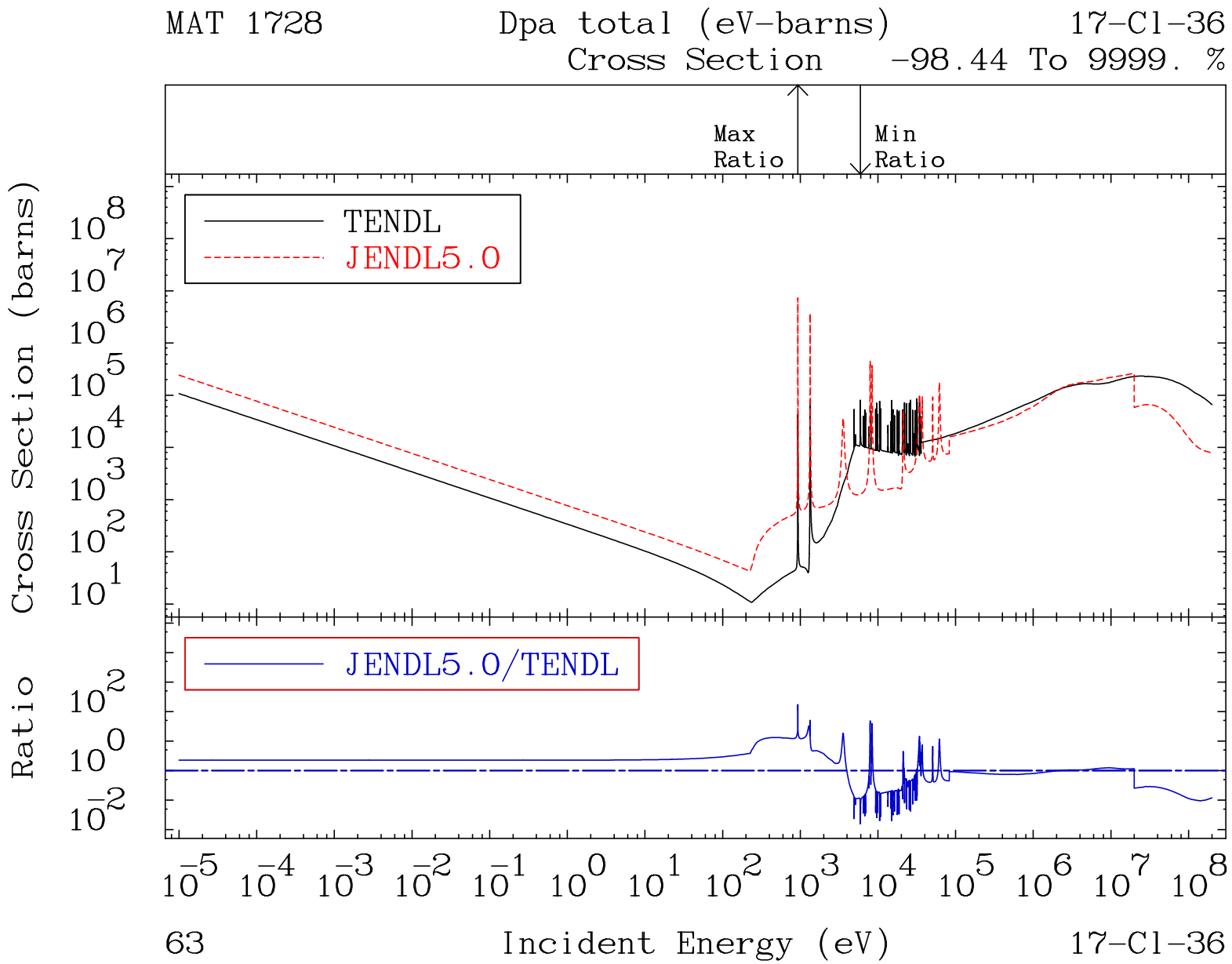

MAT 1728
Kerma inelastic (mt51-91)
17-Cl-36
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 810.54 keV
JENDL5.0 Threshold 129.24 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
58
17-Cl-36

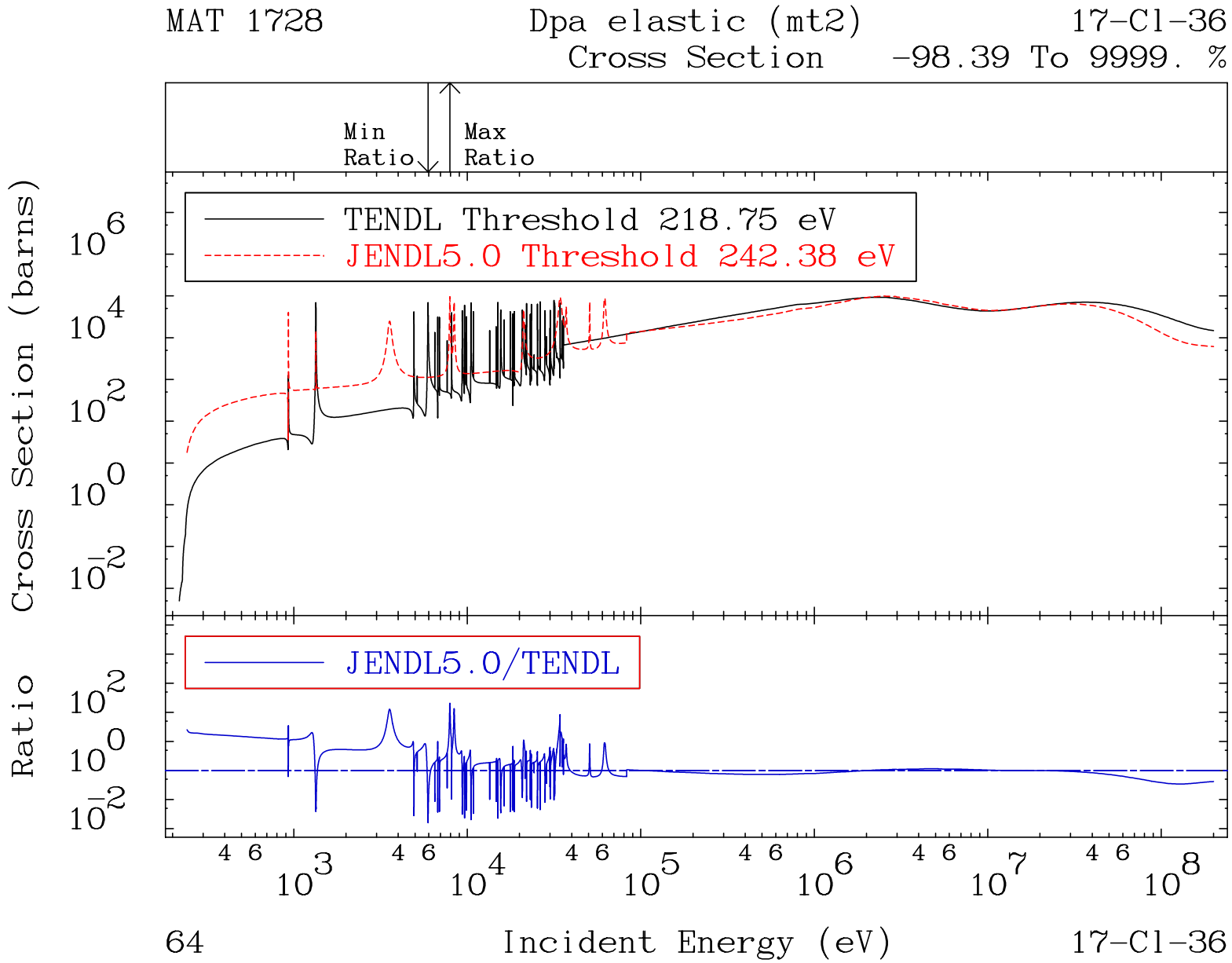

MAT 1728 Kerma fission (mt18 or mt19-20-21-38) 17-Cl-36
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
8
4
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
59
Incident Energy (eV)
17-Cl-36

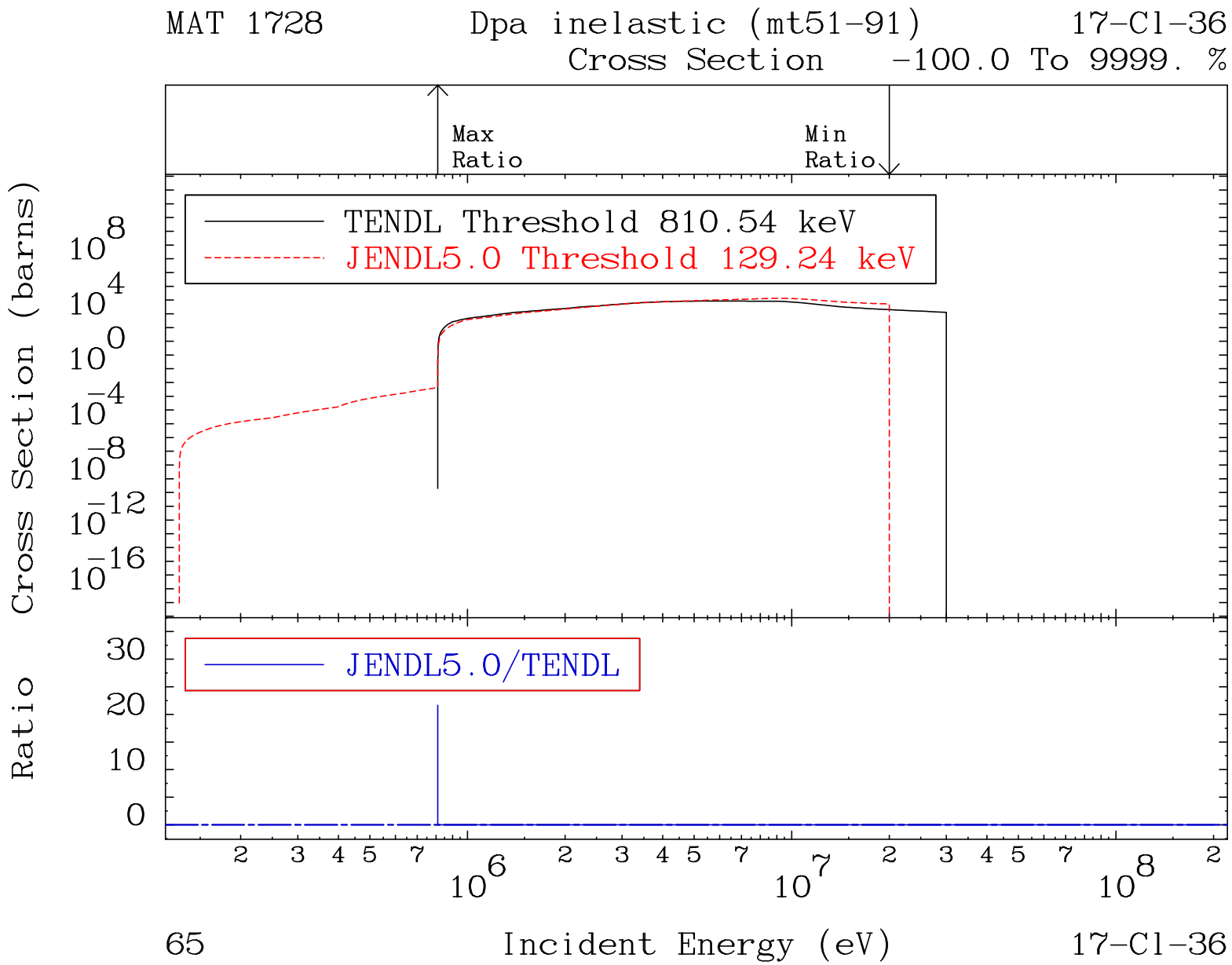

MAT 1728
Kerma capture (mt102)
17-Cl-36
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
60
17-Cl-36

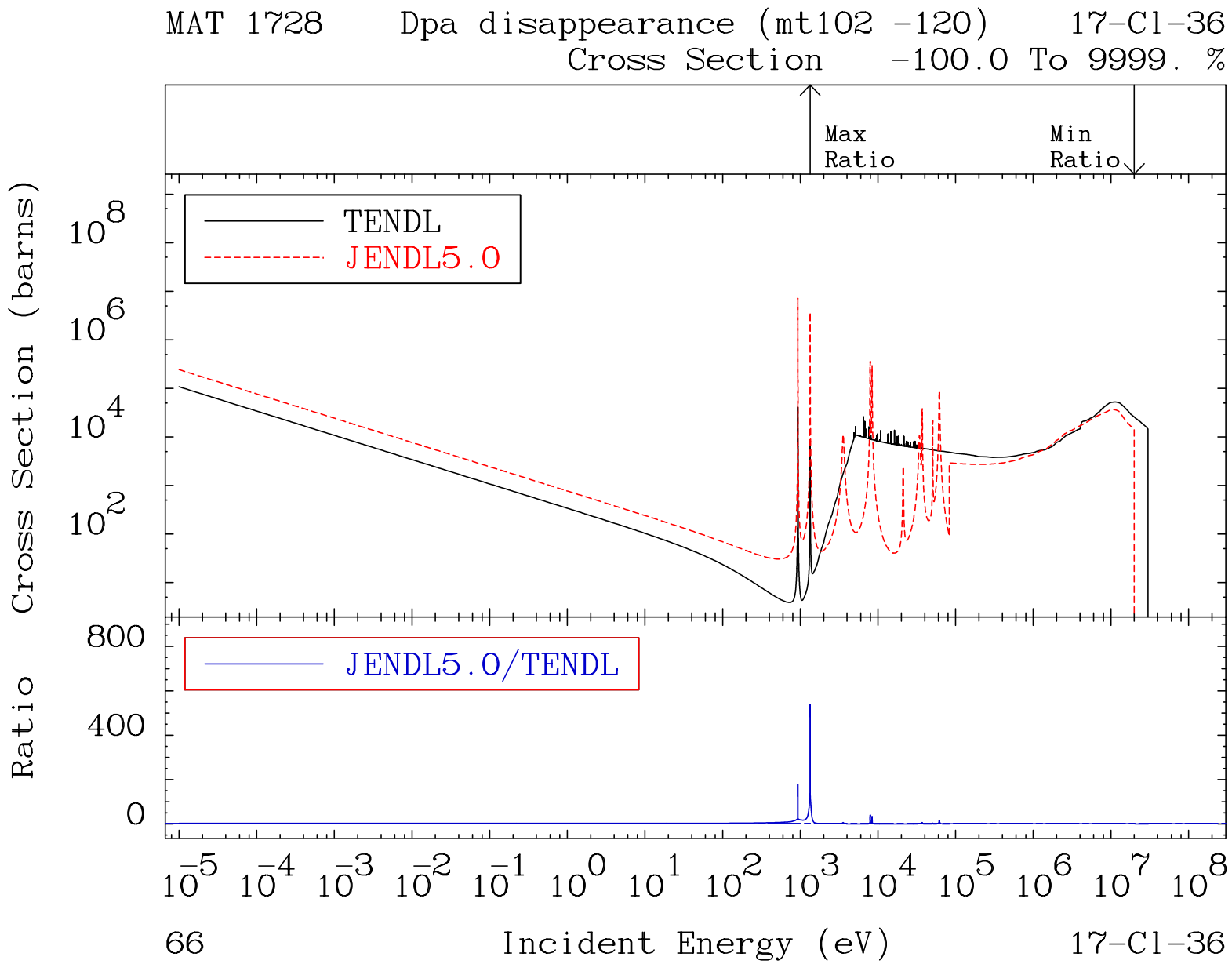

MAT 1728
Total photon (eV-barns)
17-Cl-36
Cross Section -106.0 To 4994. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Ratio Cross Section (Gega-barns)
0
1
2
3
4
5
6
40
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
61
Incident Energy (eV)
17-Cl-36

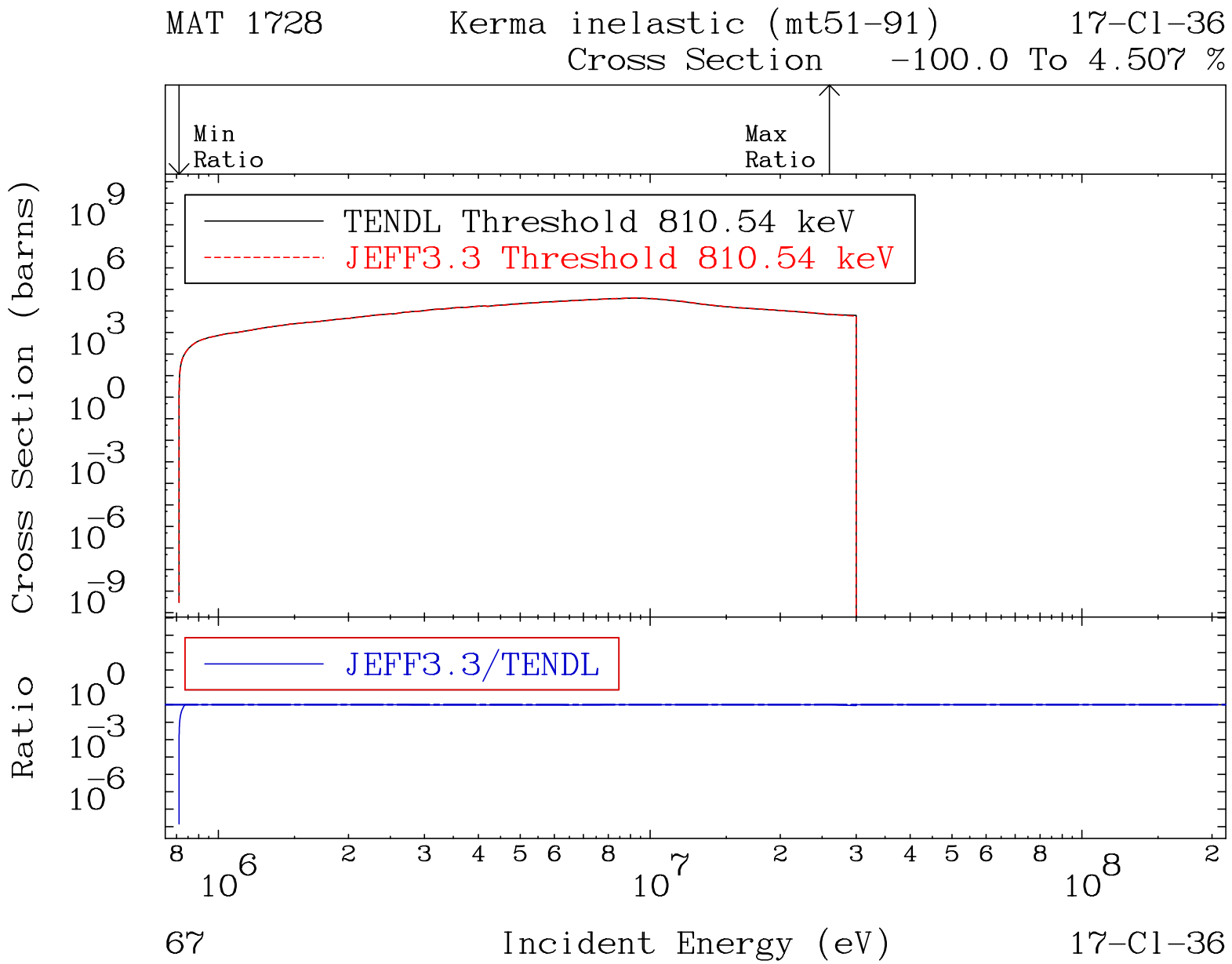

MAT 1728 Total kinematic kerma (high limit) 17-Cl-36
Cross Section -98.73 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
62
17-Cl-36

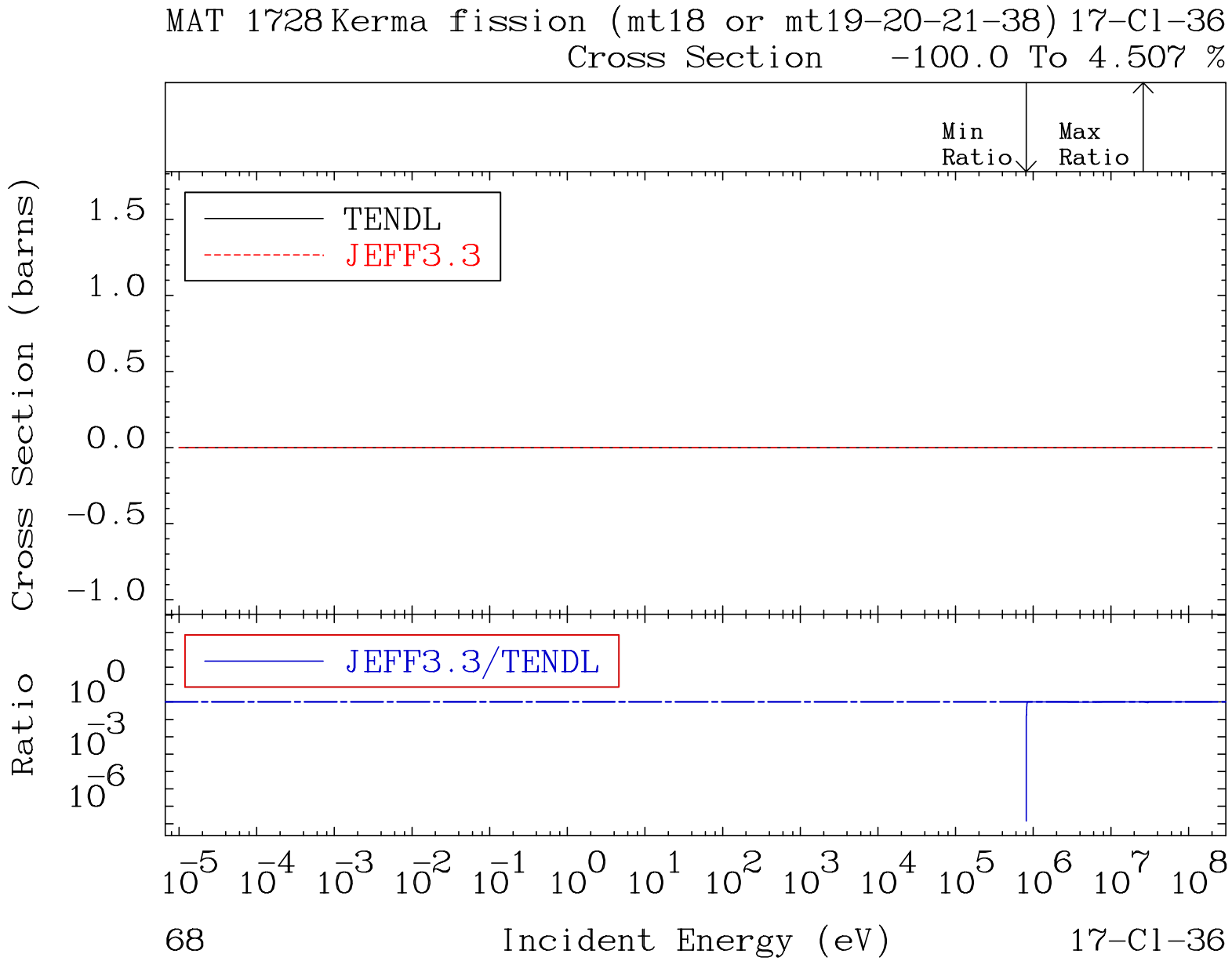

MAT 1728
Dpa total (eV-barns)
17-Cl-36
Cross Section
-98.44 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
17-Cl-36

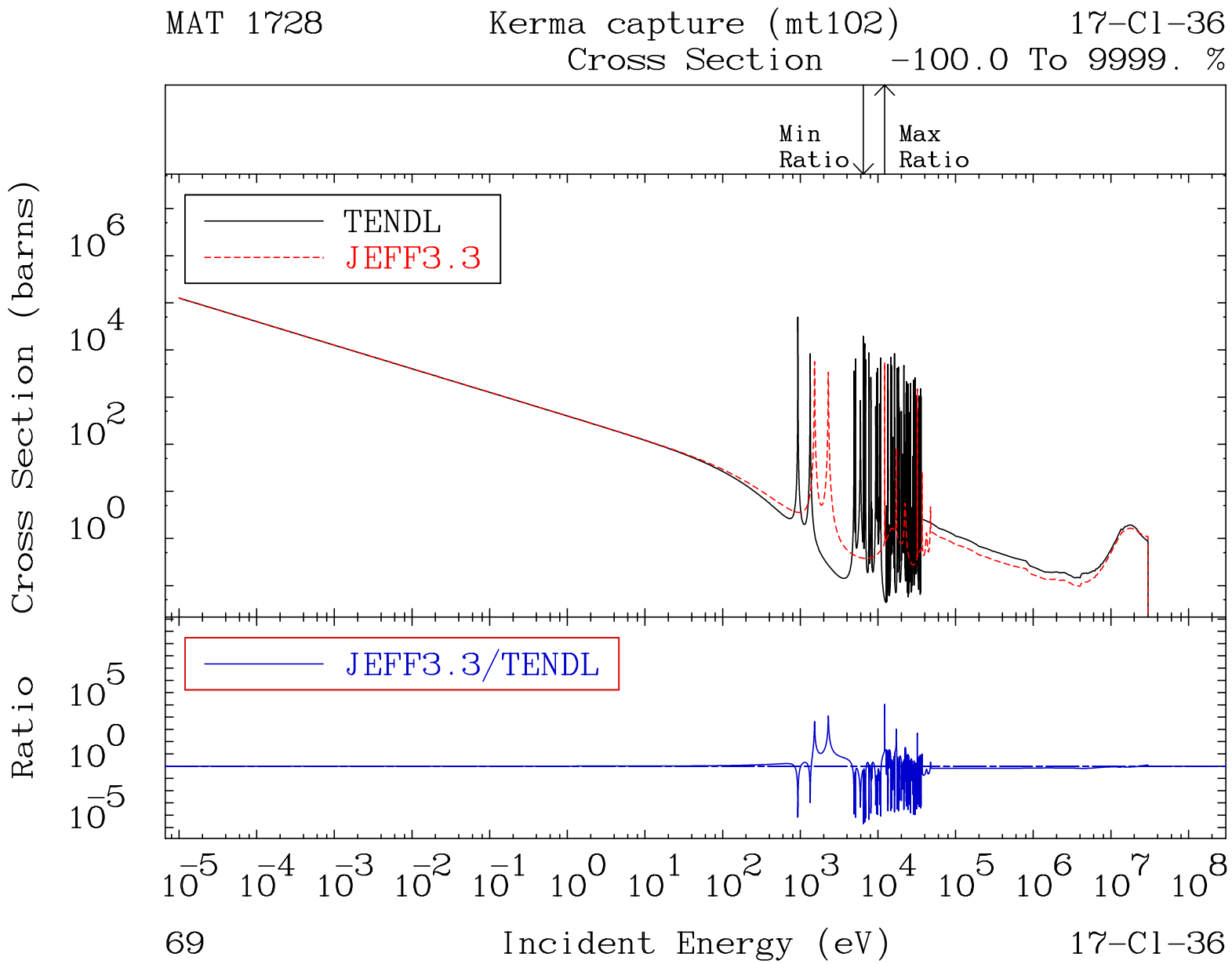

MAT 1728
Dpa elastic (mt2)
Cross Section
17-Cl-36
-98.39 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 218.75 eV
JENDL5.0 Threshold 242.38 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
17-Cl-36

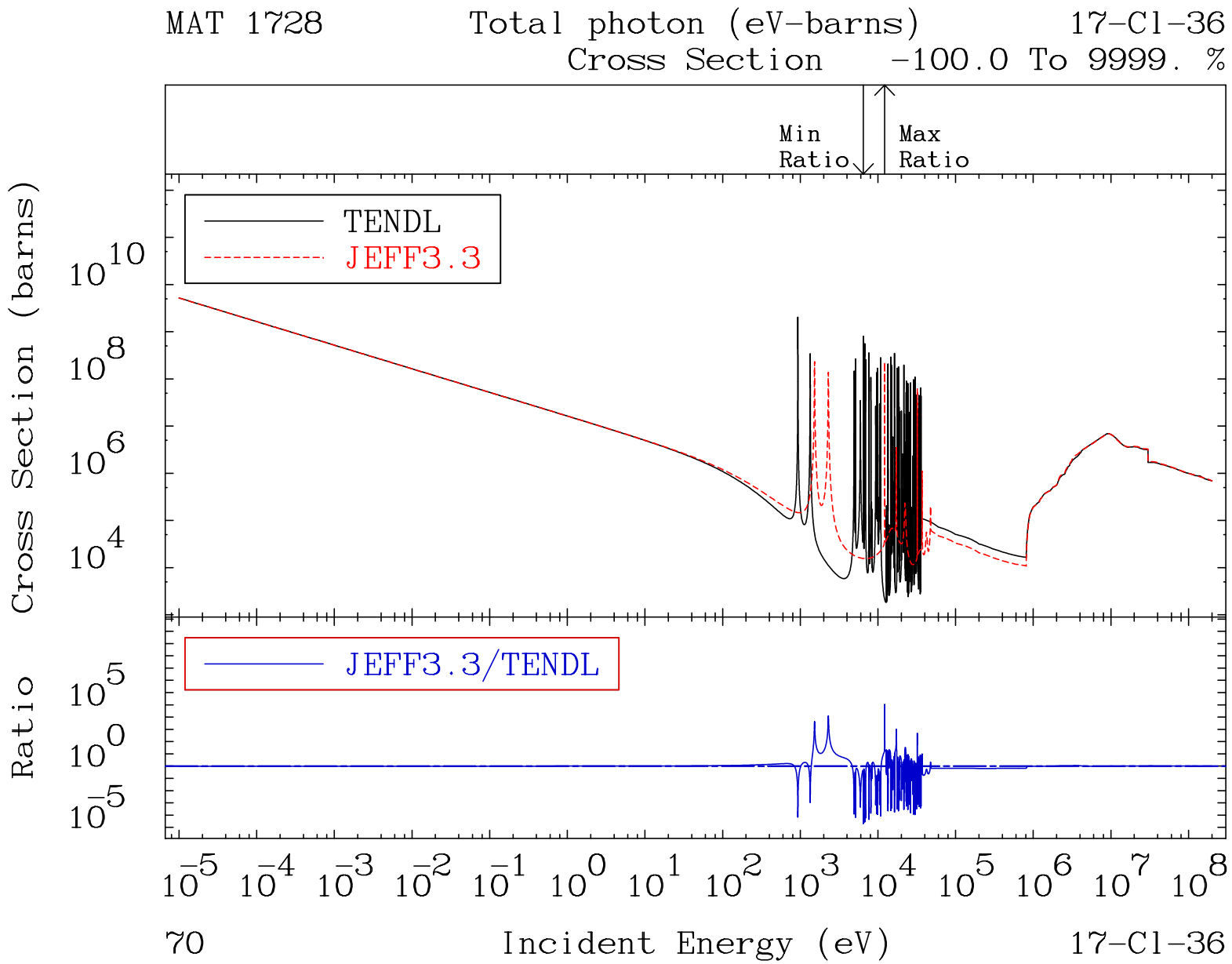

MAT 1728
Dpa inelastic (mt51-91)
17-Cl-36
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 810.54 keV
JENDL5.0 Threshold 129.24 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
65
17-Cl-36

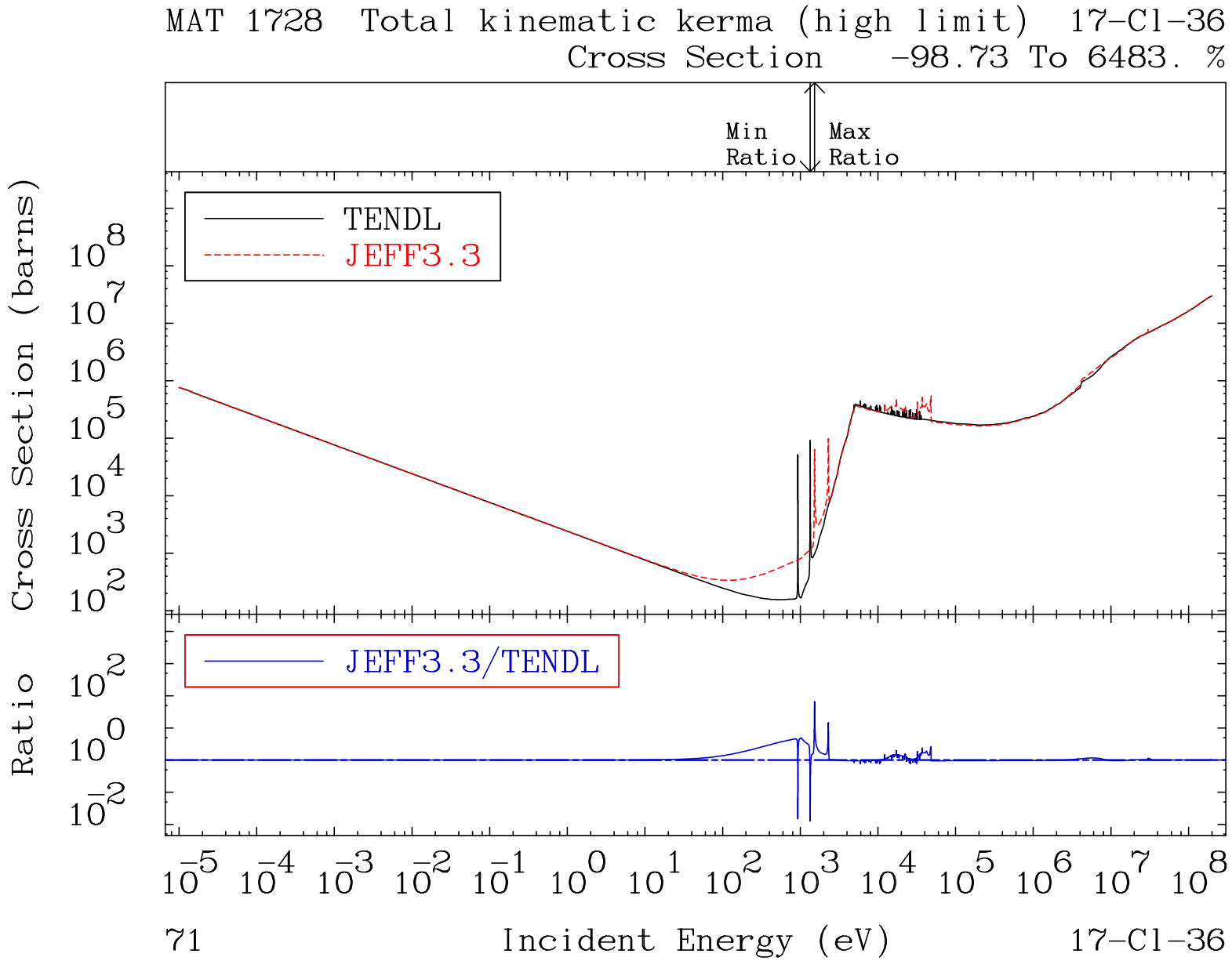

MAT 1728 Dpa disappearance (mt102 -120) 17-Cl-36
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
66
17-Cl-36

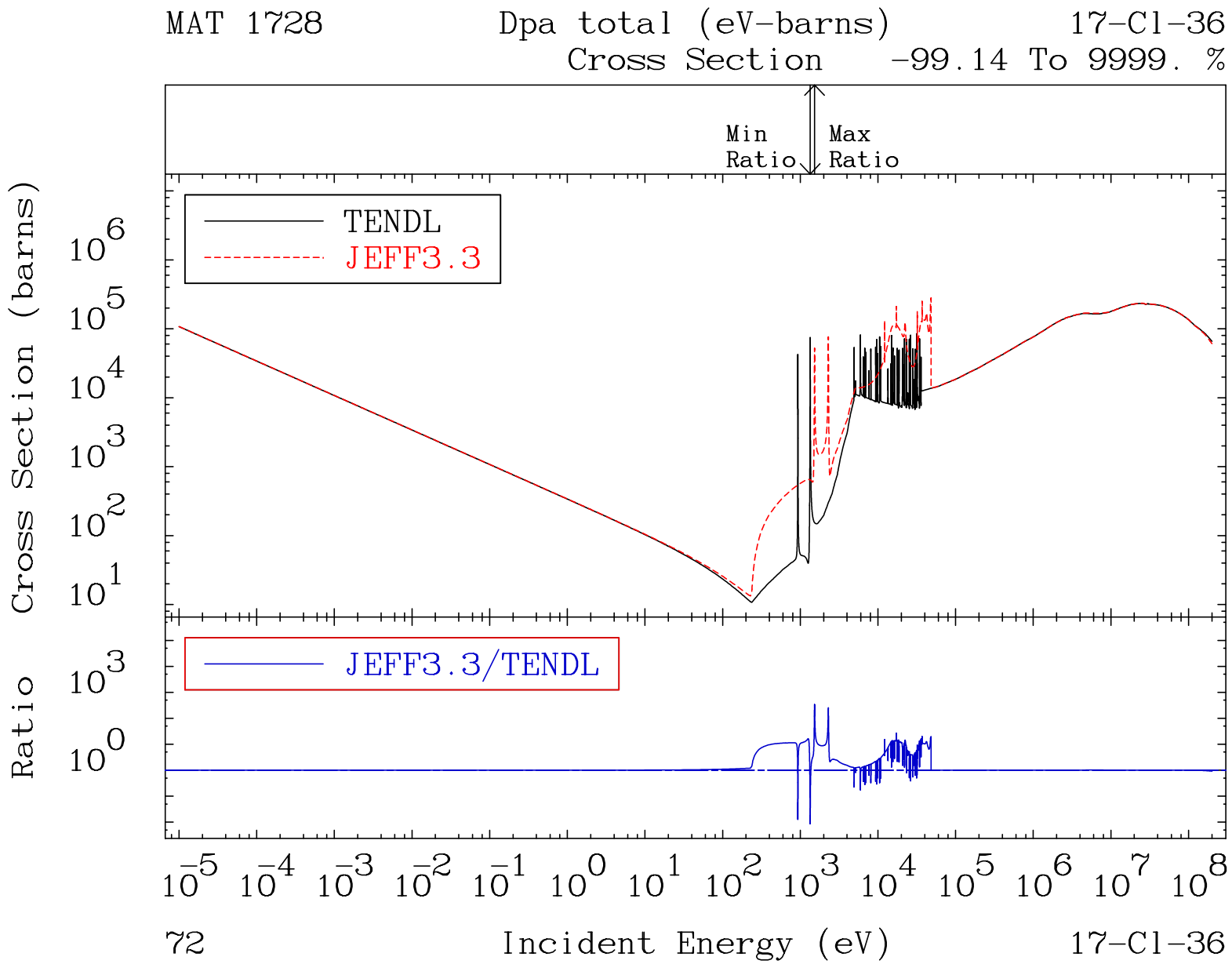

MAT 1728
Kerma inelastic (mt51-91)
17-Cl-36
Cross Section -100.0 To 4.507 %
Min Ratio
Max Ratio
TENDL Threshold 810.54 keV
JEFF3.3 Threshold 810.54 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
67
17-Cl-36

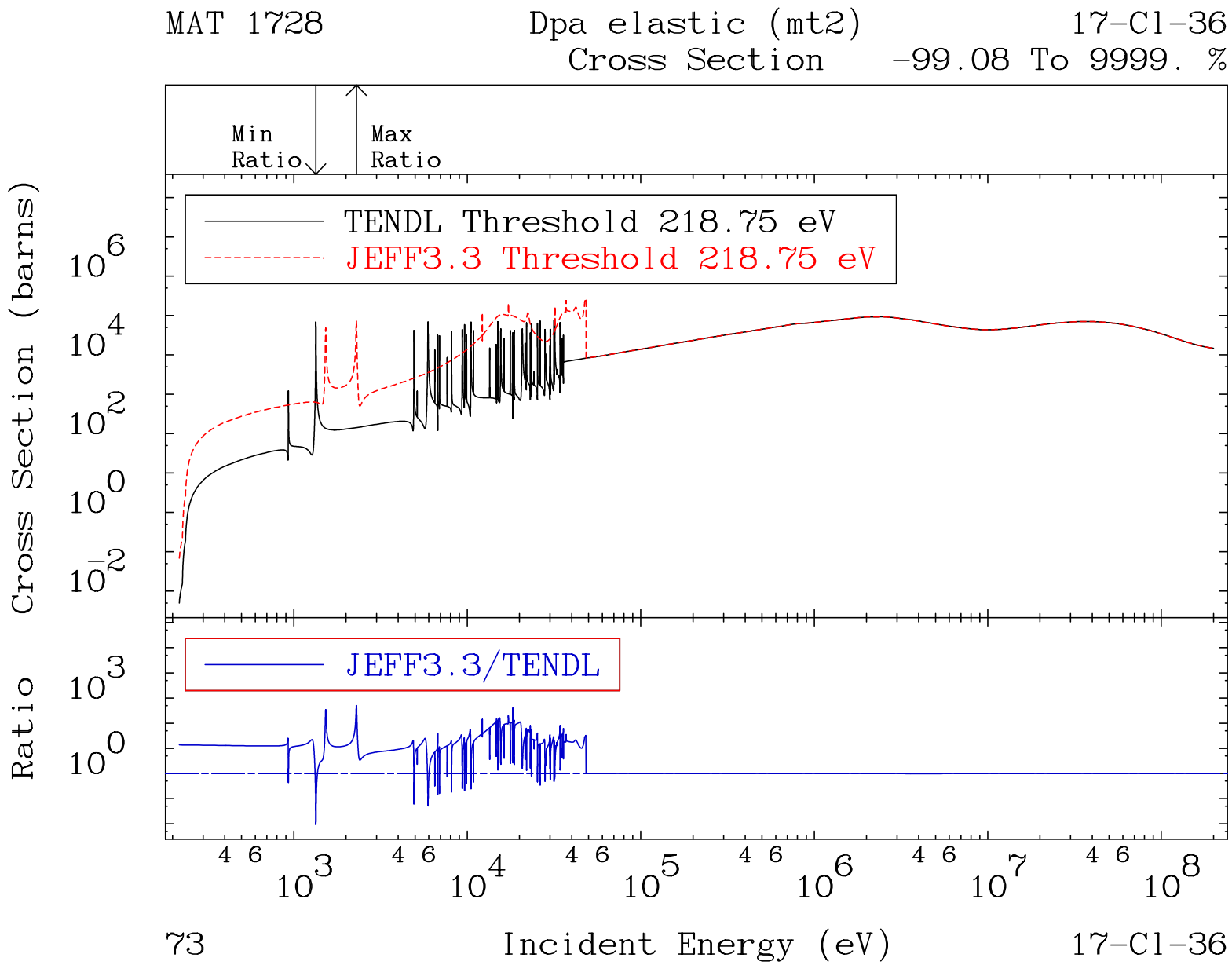

MAT 1728 Kerma fission (mt18 or mt19-20-21-38) 17-Cl-36
Cross Section -100.0 To 4.507 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{0}
10^{-3}
10^{-6}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6}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

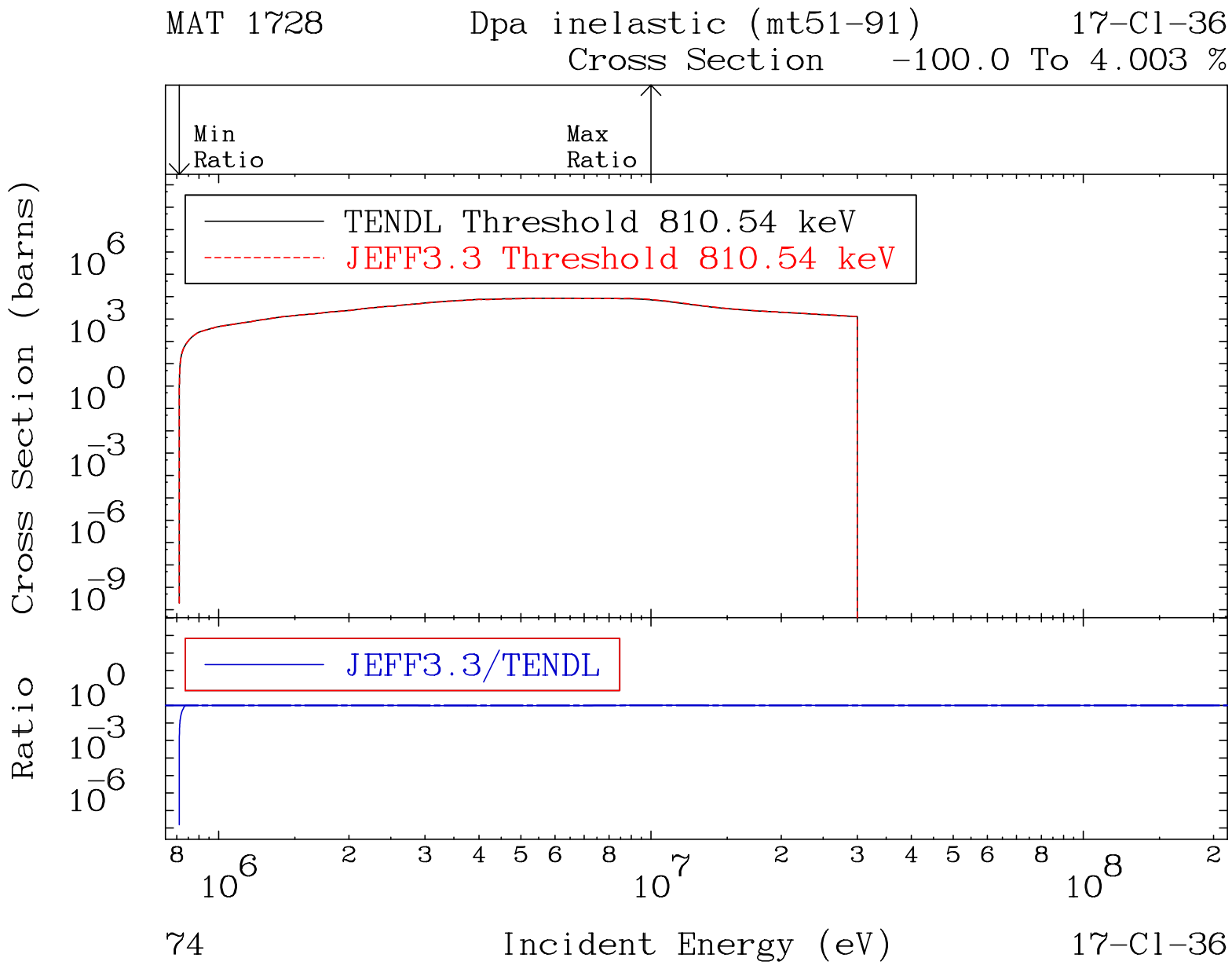

MAT 1728
Kerma capture (mt102)
17-Cl-36
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
69
17-Cl-36

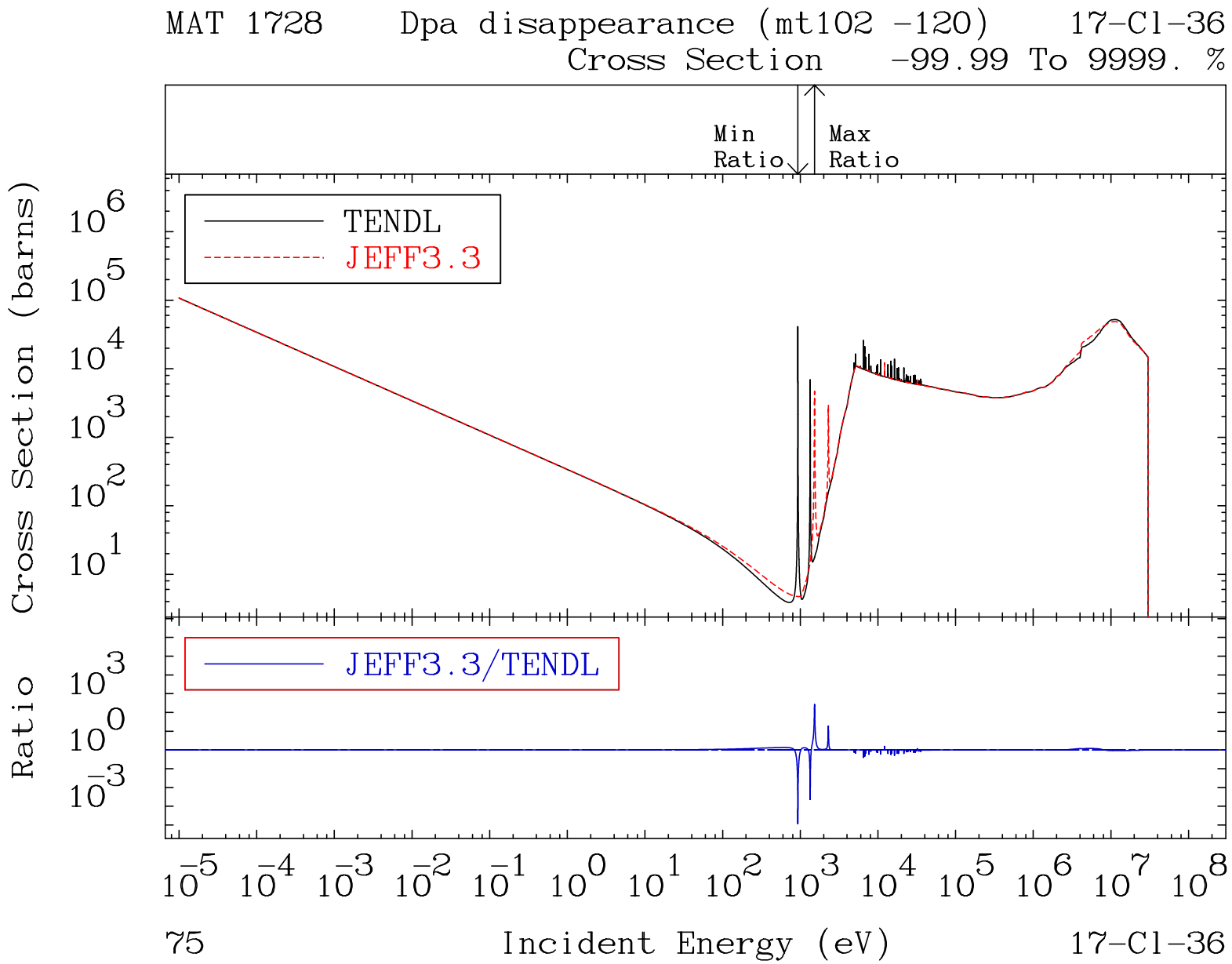

MAT 1728
Total photon (eV-barns)
17-Cl-36
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
70
17-Cl-36

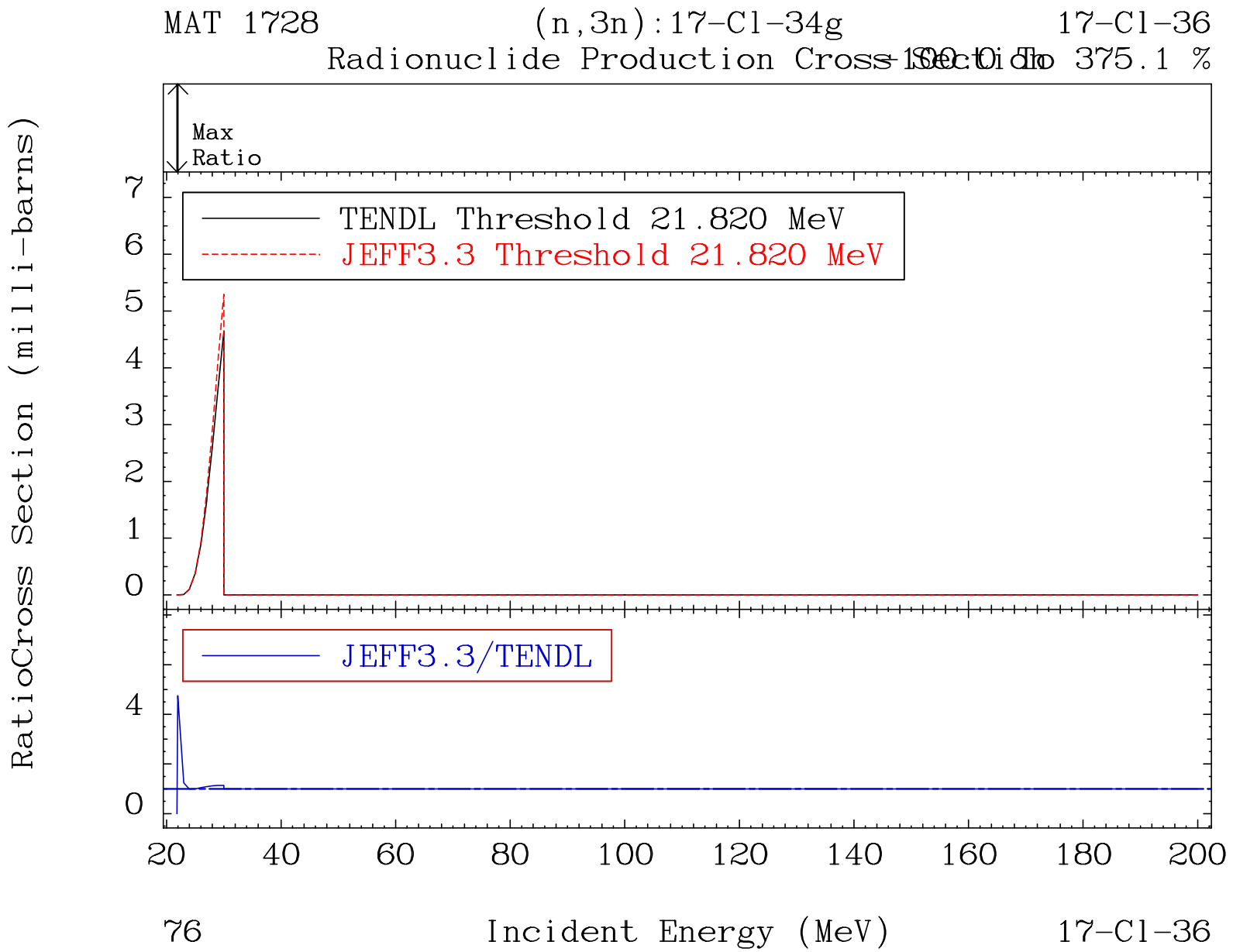

MAT 1728 Total kinematic kerma (high limit) 17-Cl-36
Cross Section -98.73 To 6483. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
71
17-Cl-36

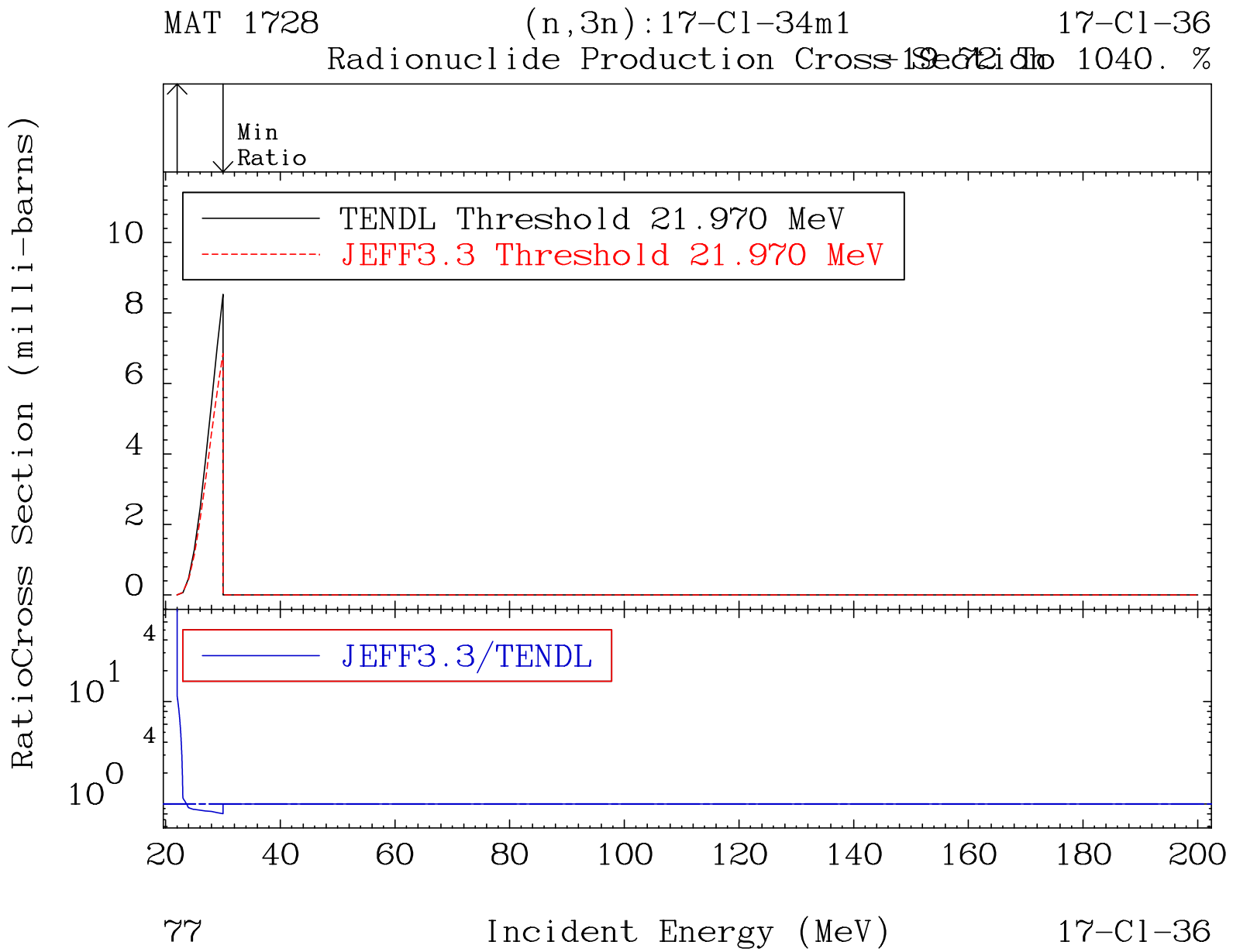

MAT 1728
Dpa total (eV-barns)
17-Cl-36
Cross Section -99.14 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
72
17-Cl-36


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