Program Complot
(Version 2018-1)
by
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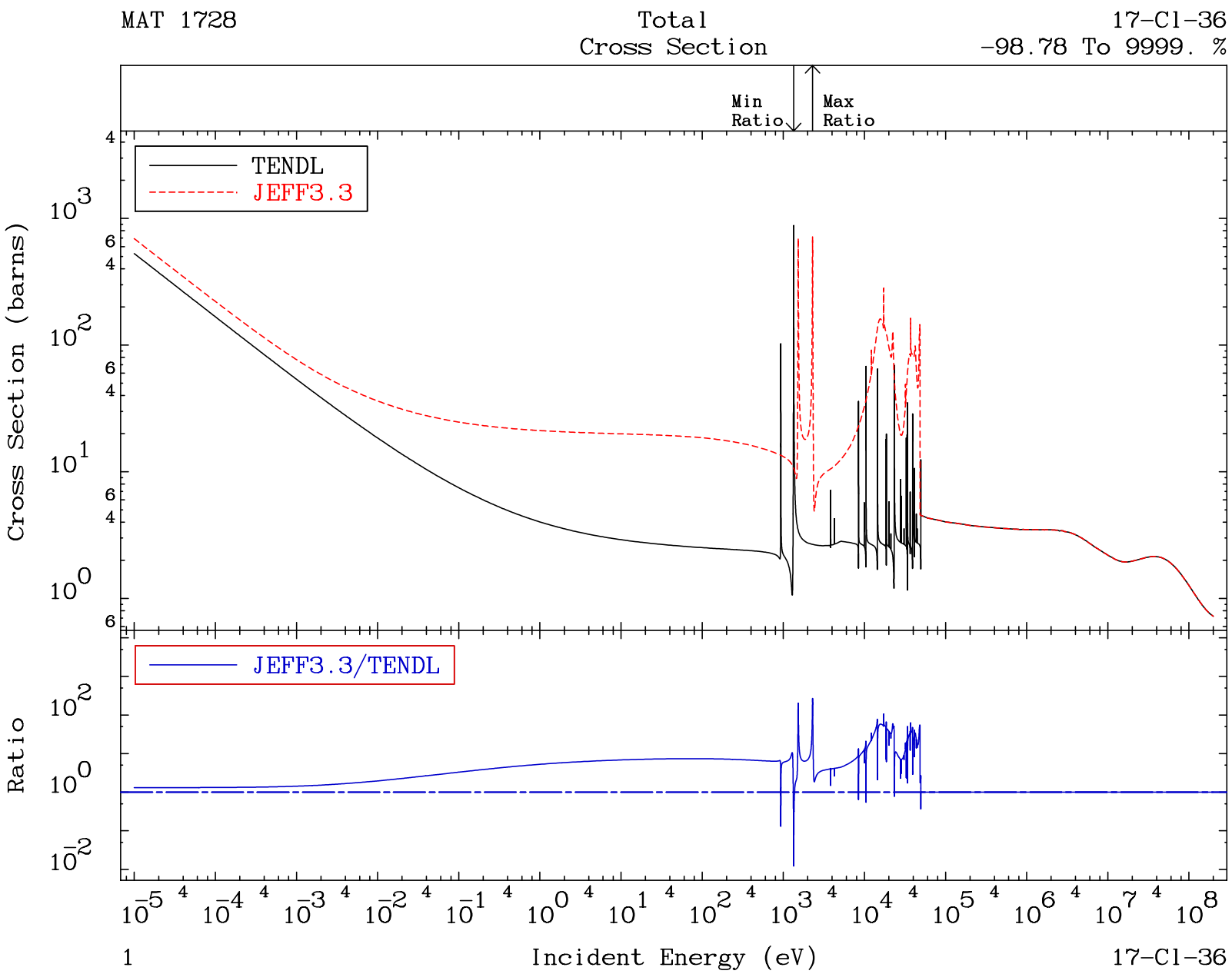
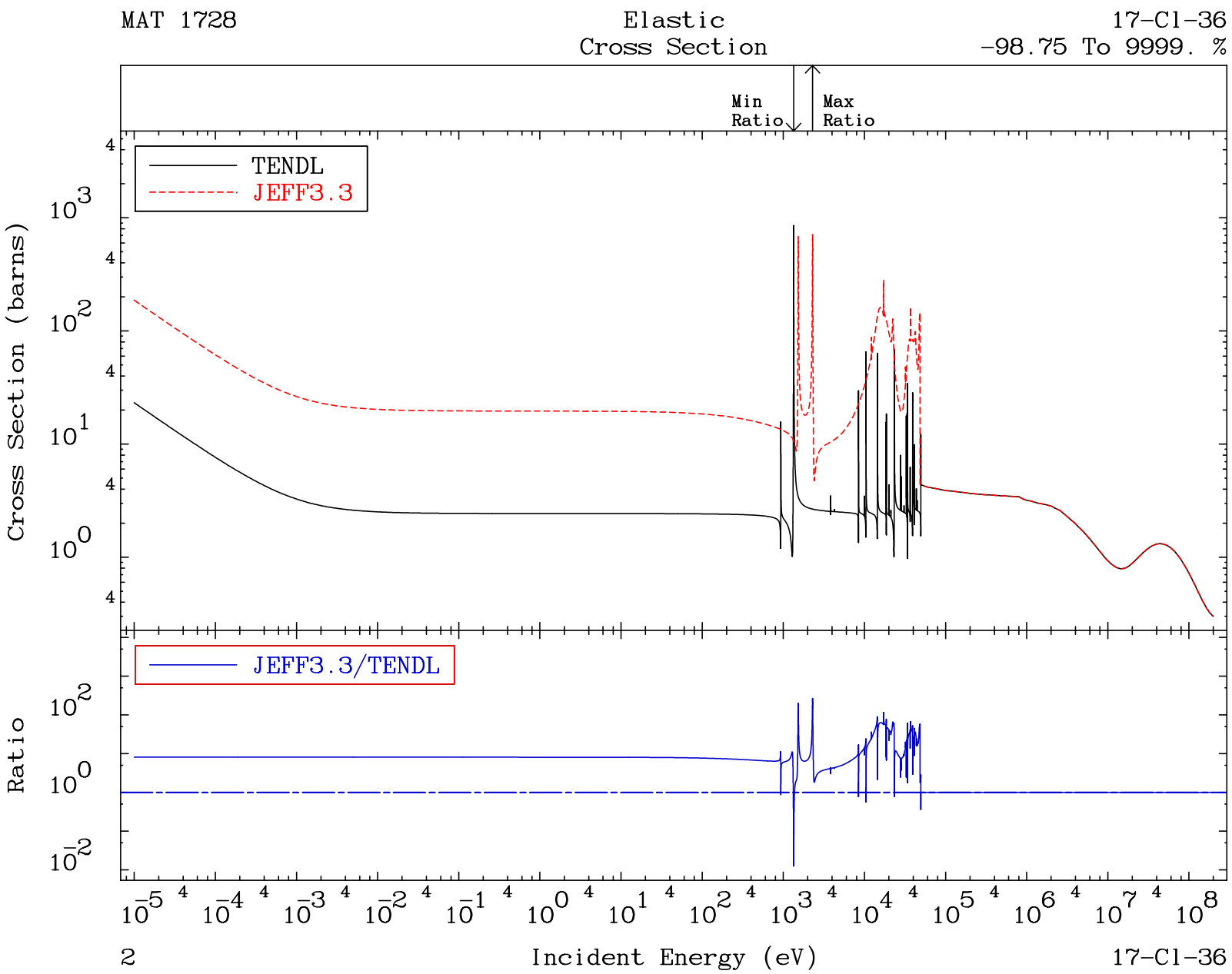
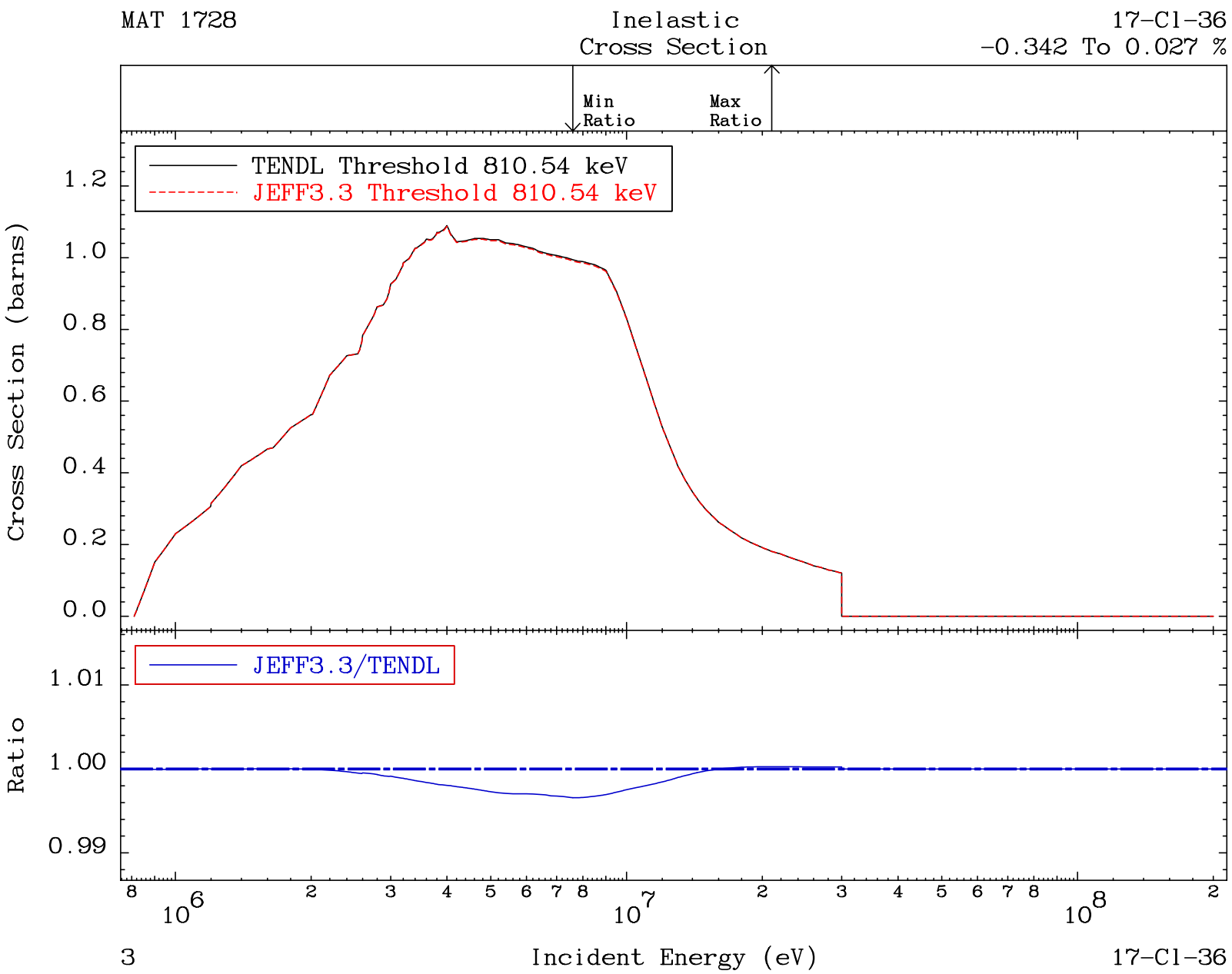
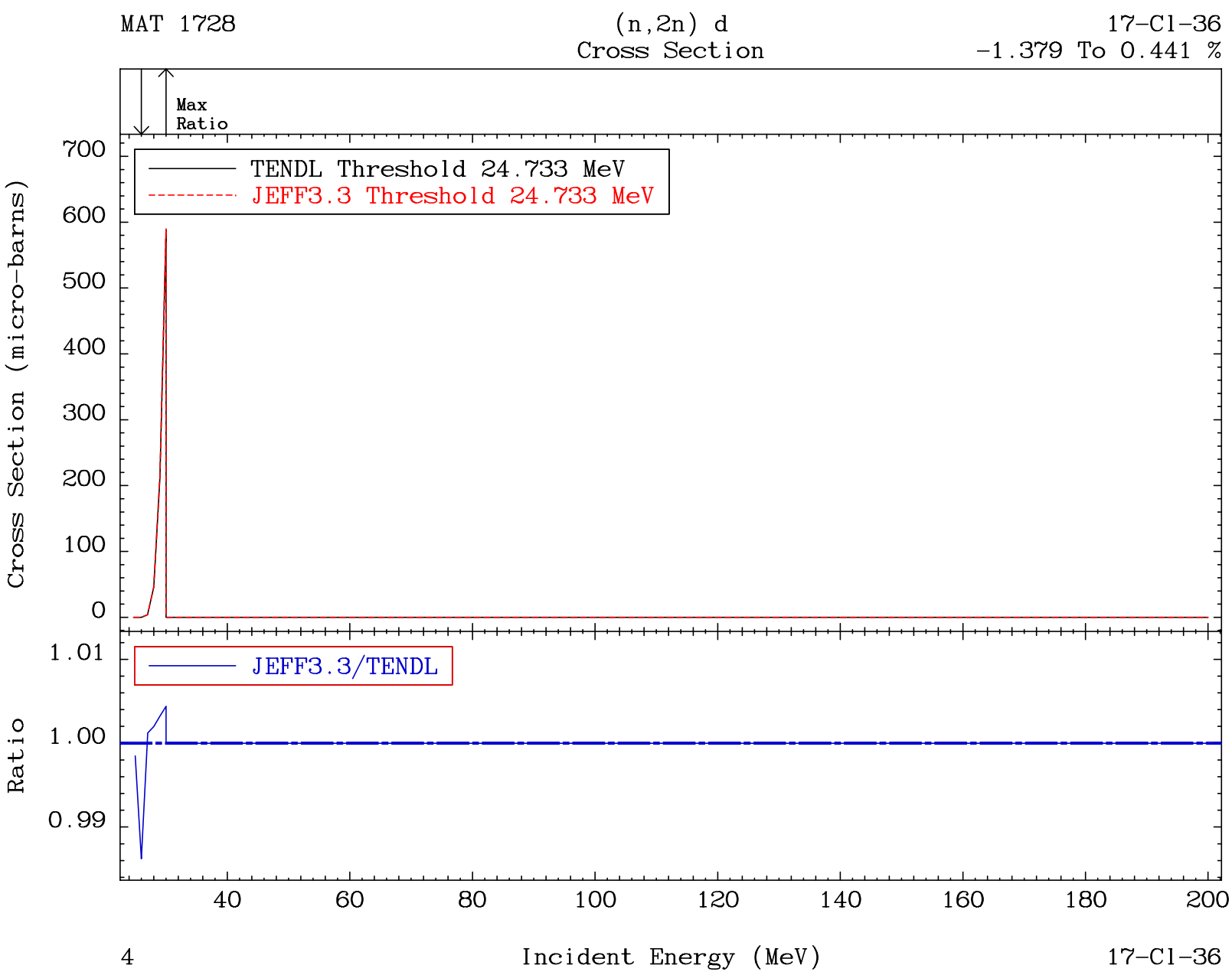
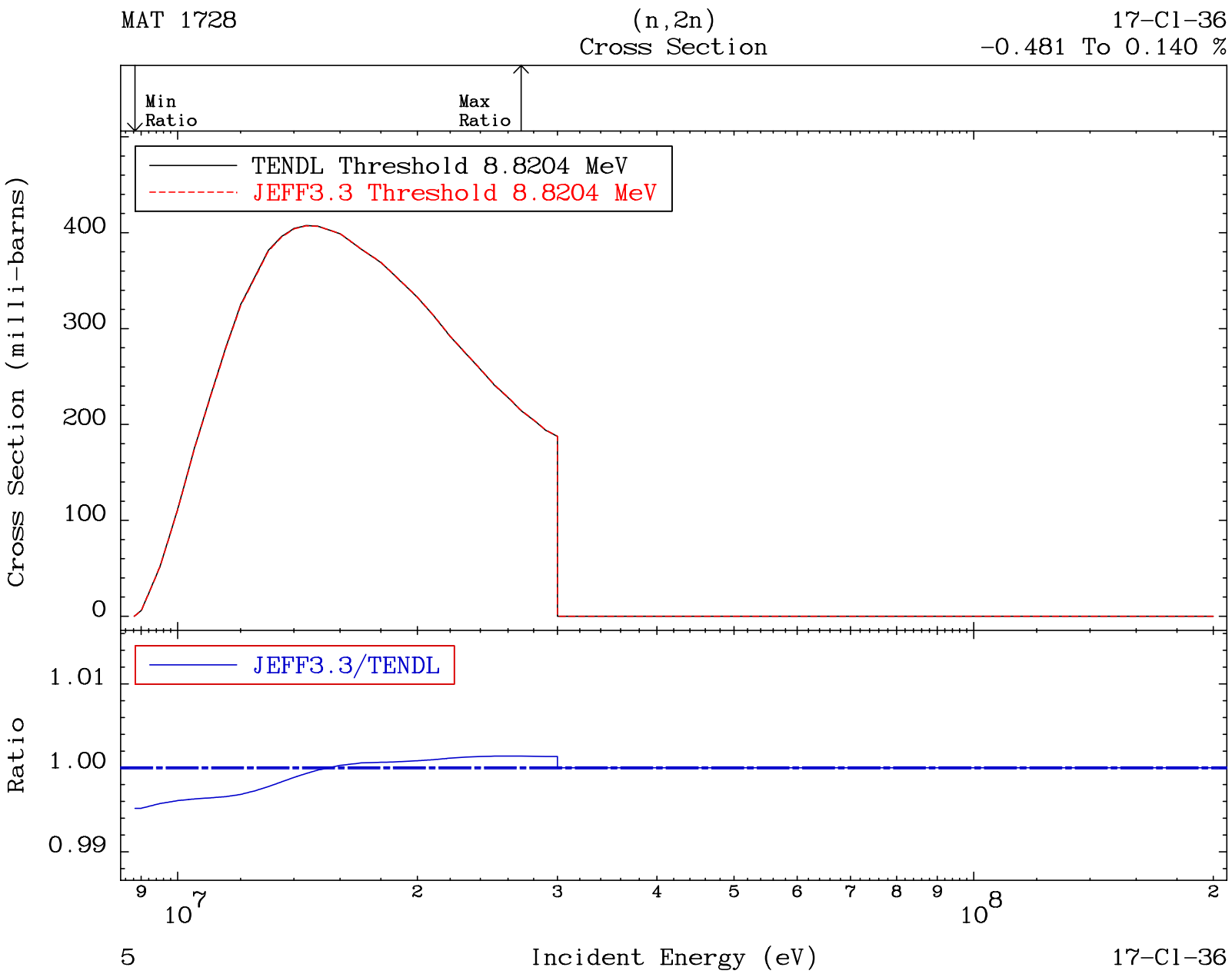
Press Mouse Button to Start

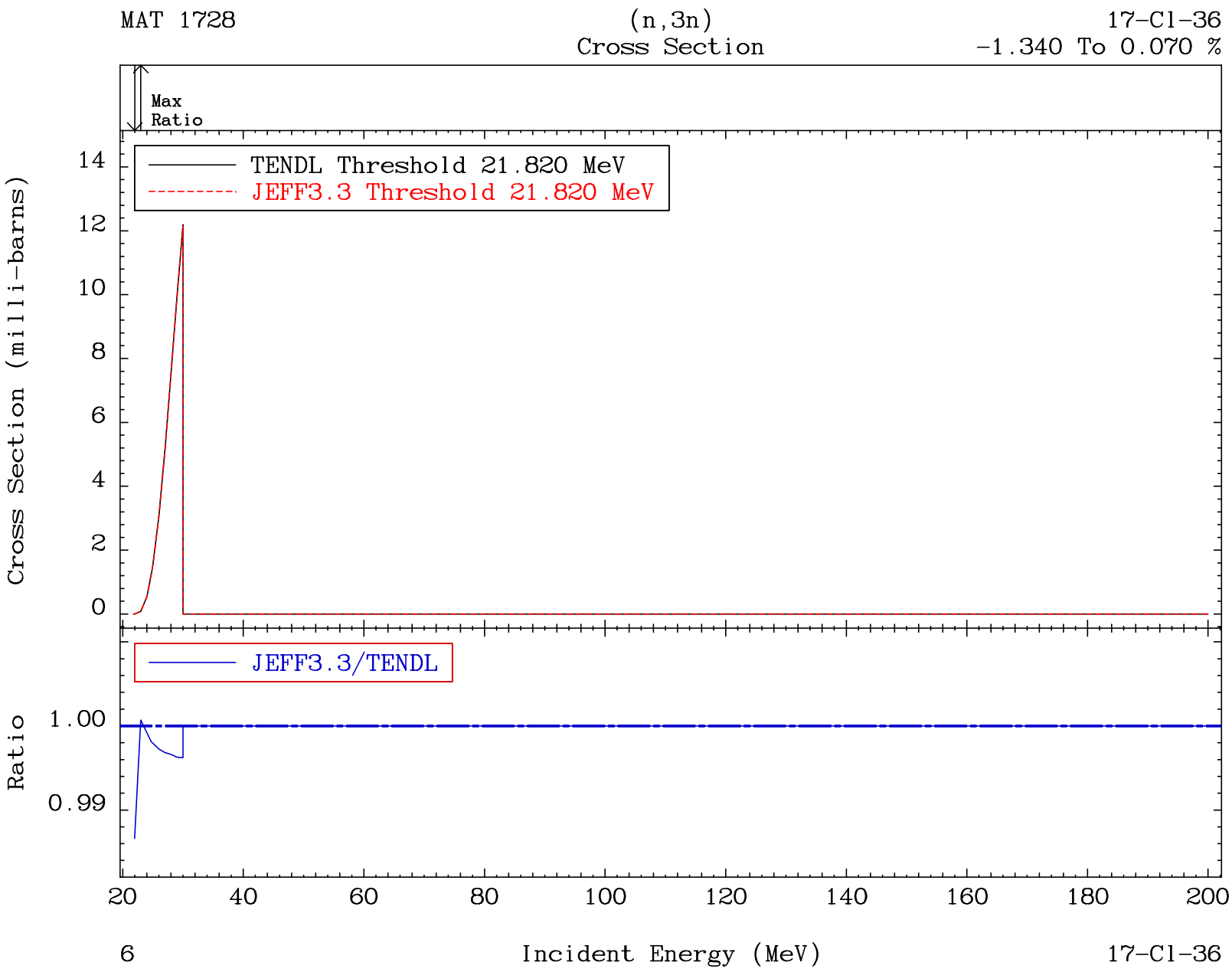

MAT 1728
Total
Cross Section
17-Cl-36
-98.78 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
1
17-Cl-36

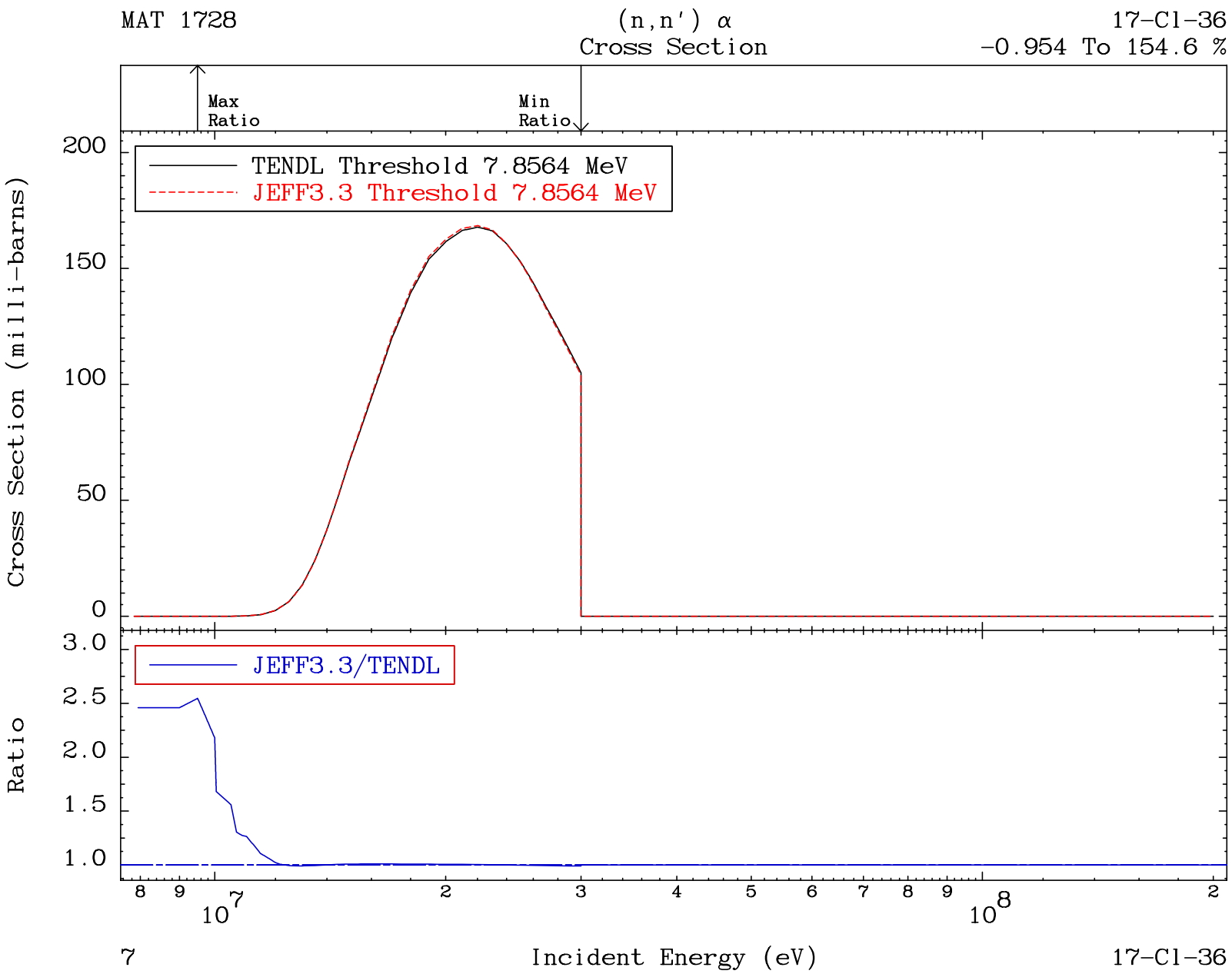

MAT 1728
Elastic
Cross Section
17-Cl-36
-98.75 To 9999. %
Min
Ratio
Max
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
2
17-Cl-36

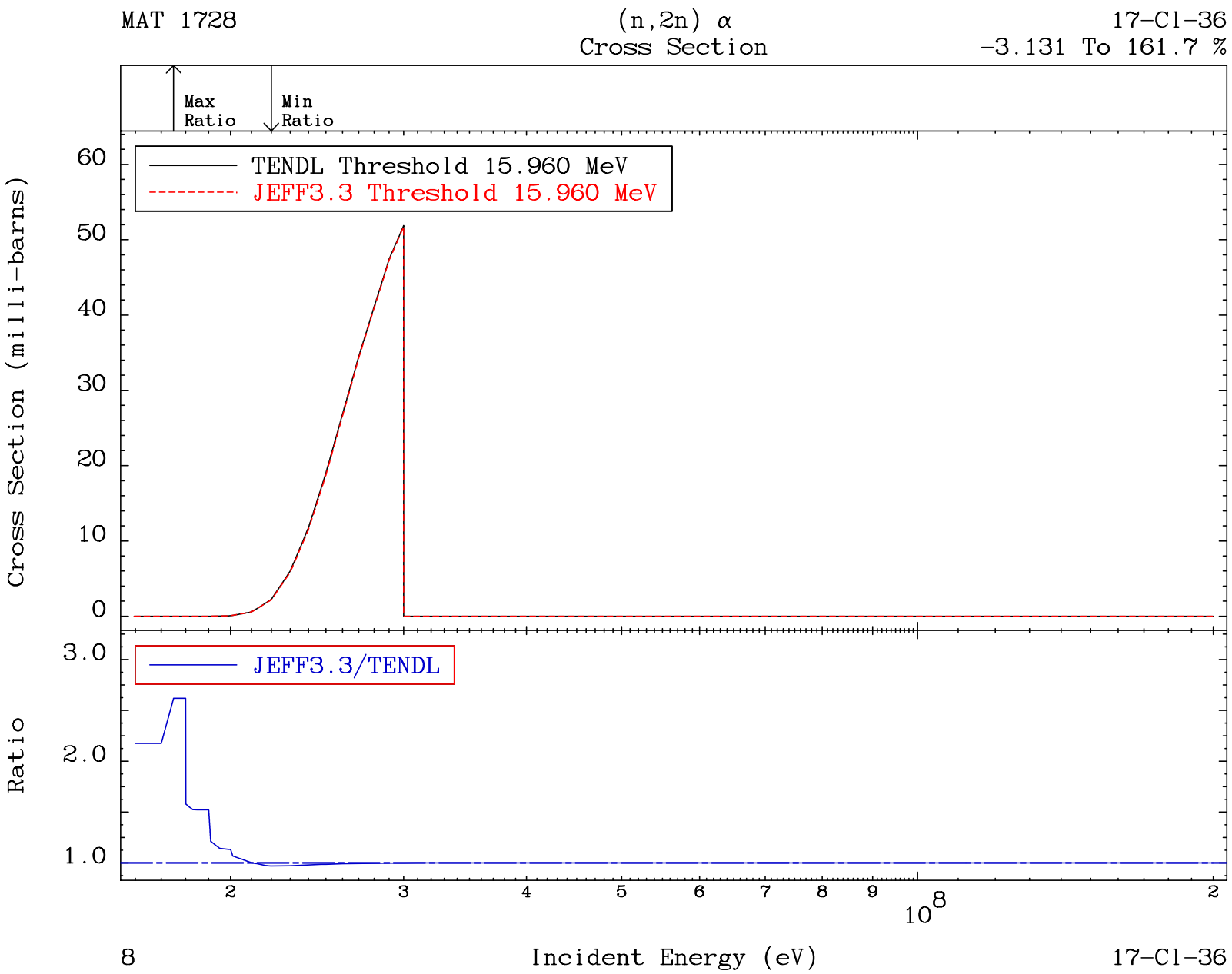

MAT 1728
Inelastic
Cross Section
17-Cl-36
-0.342 To 0.027 %
Min
Ratio
Max
Ratio
TENDL Threshold 810.54 keV
JEFF3.3 Threshold 810.54 keV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
8
2
3
4
5
6
7
8
10^6
10^7
10^8
Incident Energy (eV)
3
17-Cl-36

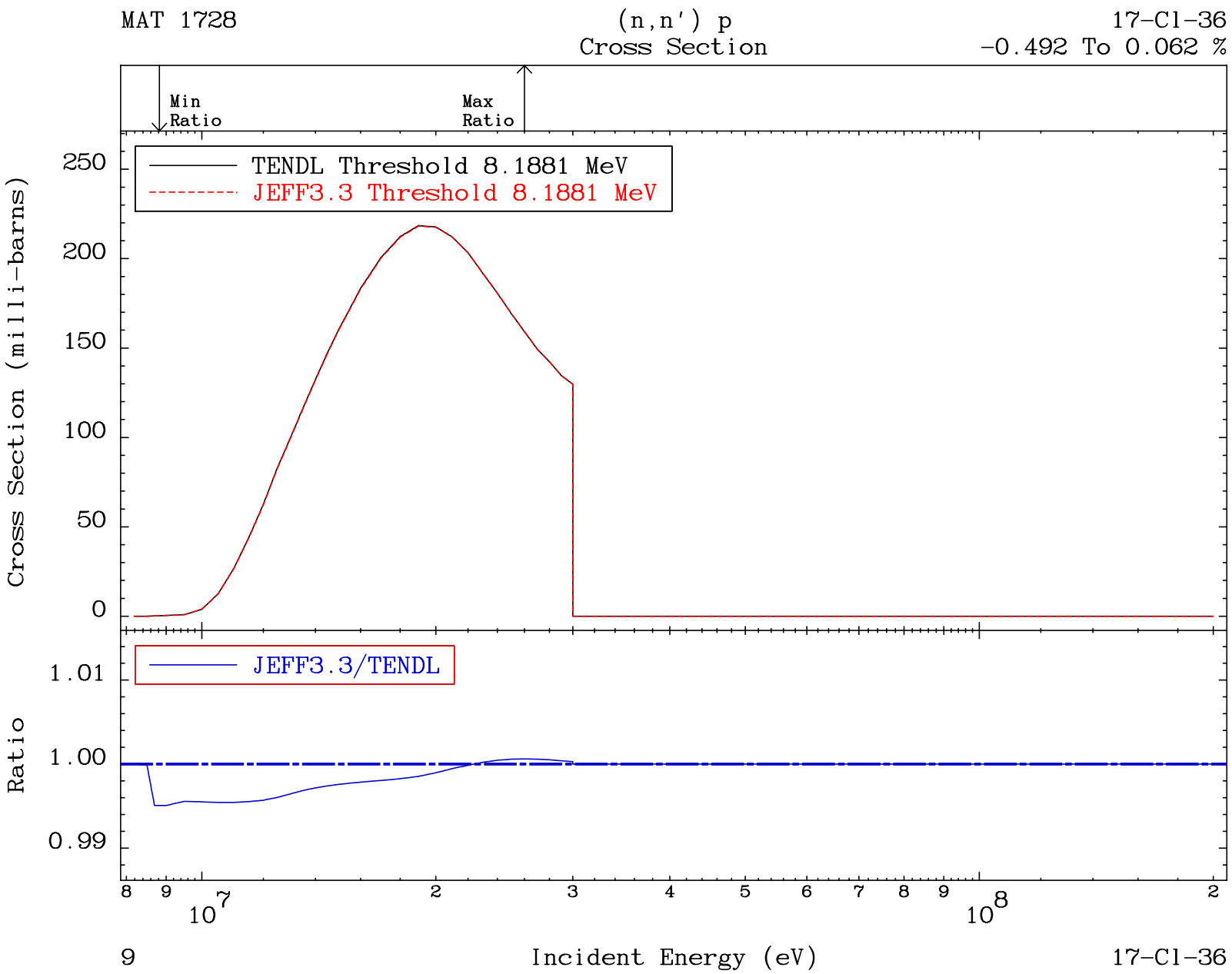

MAT 1728
(n,2n) d
Cross Section
17-Cl-36
-1.379 To 0.441 %
Max
Ratio
TENDL Threshold 24.733 MeV
JEFF3.3 Threshold 24.733 MeV
Cross Section (micro-barns)
700
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
40
60
80
100
120
140
160
180
200
4
Incident Energy (MeV)
17-Cl-36

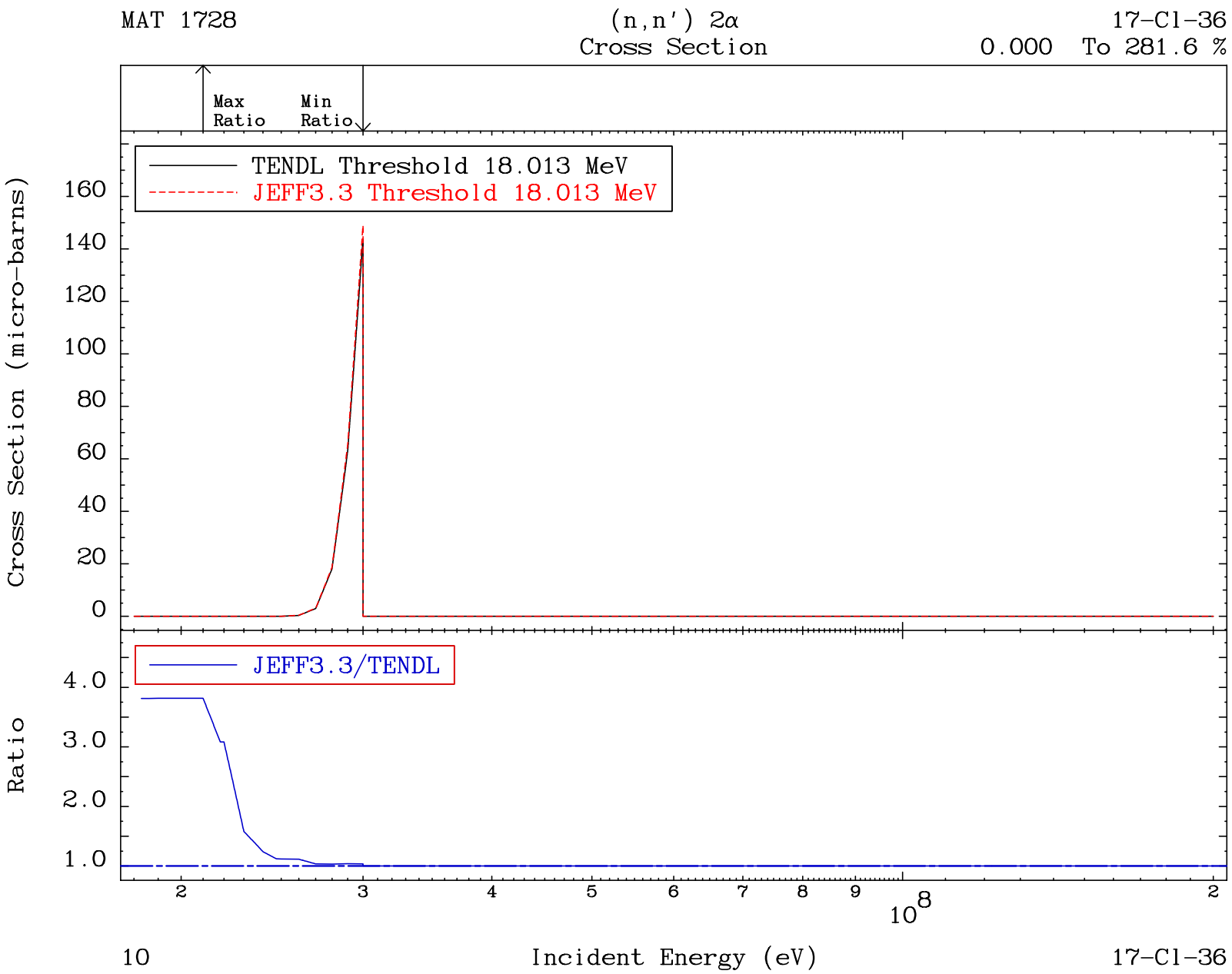

MAT 1728
(n,2n)
Cross Section
17-Cl-36
-0.481 To 0.140 %
Min Ratio
Max Ratio
TENDL Threshold 8.8204 MeV
JEFF3.3 Threshold 8.8204 MeV
Cross Section (milli-barns)
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
9
10^7
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
17-Cl-36

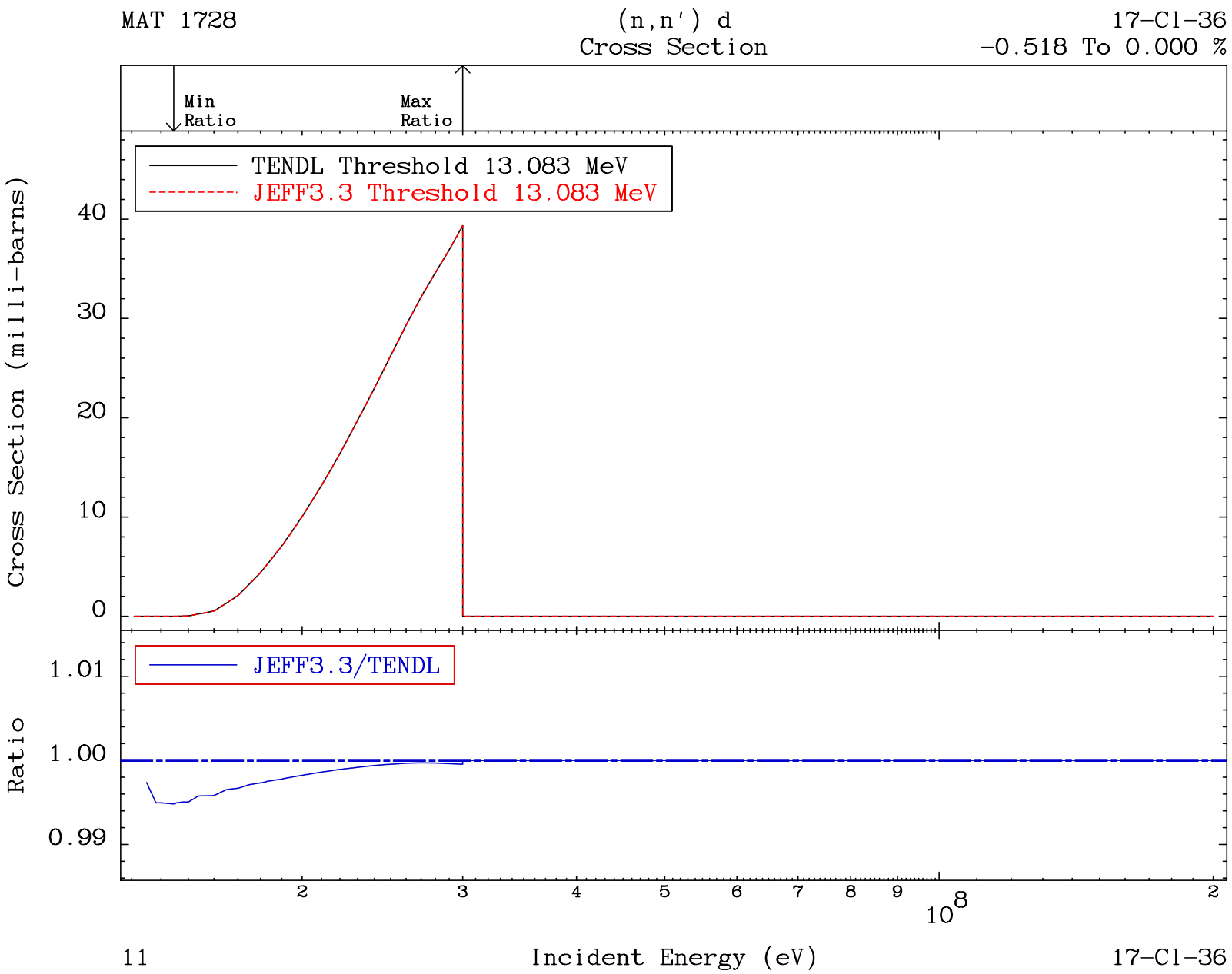

MAT 1728
(n,3n)
Cross Section
17-Cl-36
-1.340 To 0.070 %
Max
Ratio
TENDL Threshold 21.820 MeV
JEFF3.3 Threshold 21.820 MeV
Cross Section (milli-barns)
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.00
0.99
20
40
60
80
100
120
140
160
180
200
6
Incident Energy (MeV)
17-Cl-36

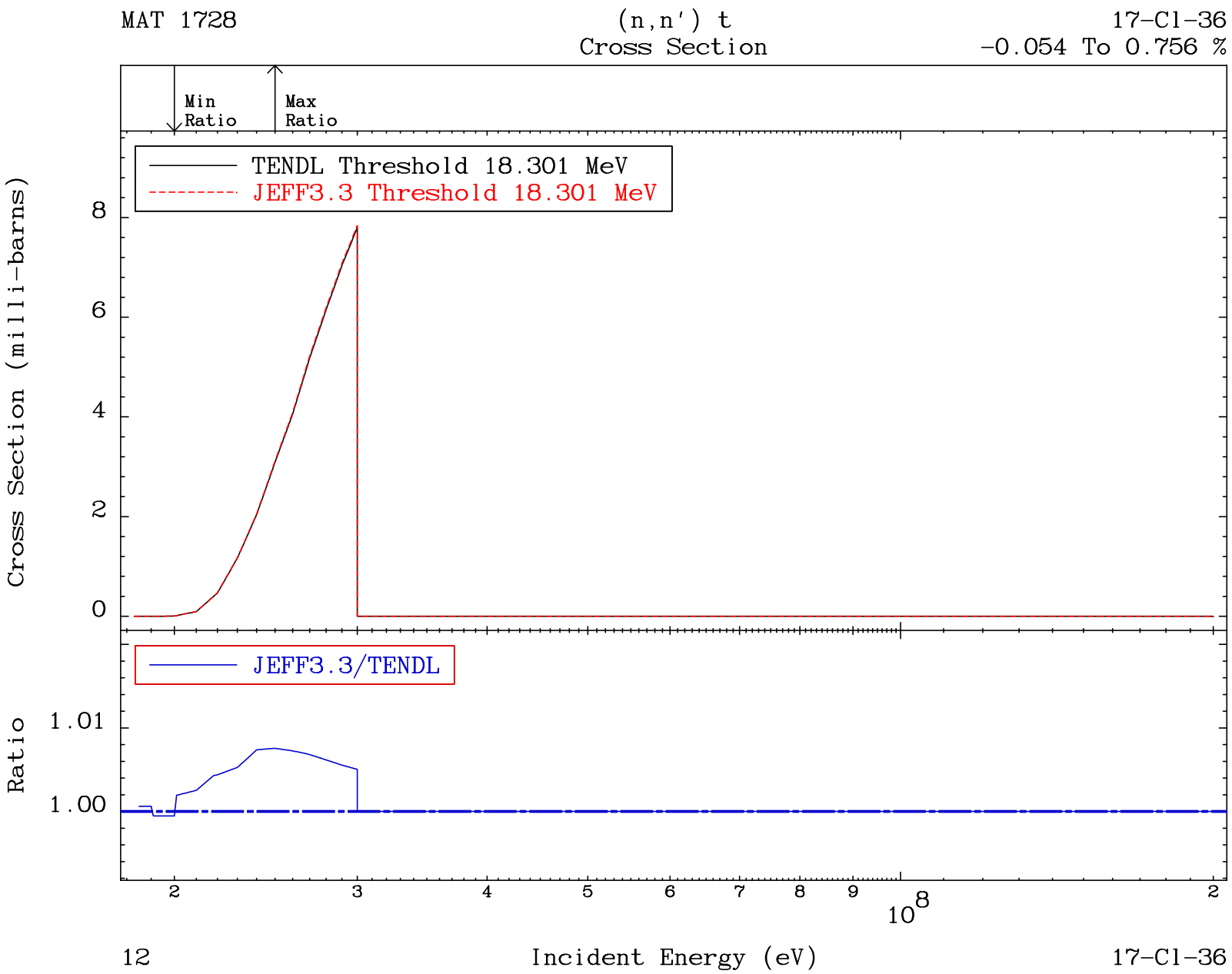

MAT 1728
(n,n') α
Cross Section
17-Cl-36
-0.954 To 154.6 %
Max Ratio
Min Ratio
TENDL Threshold 7.8564 MeV
JEFF3.3 Threshold 7.8564 MeV
Cross Section (milli-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
3.0
2.5
2.0
1.5
1.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
7
Incident Energy (eV)
17-Cl-36

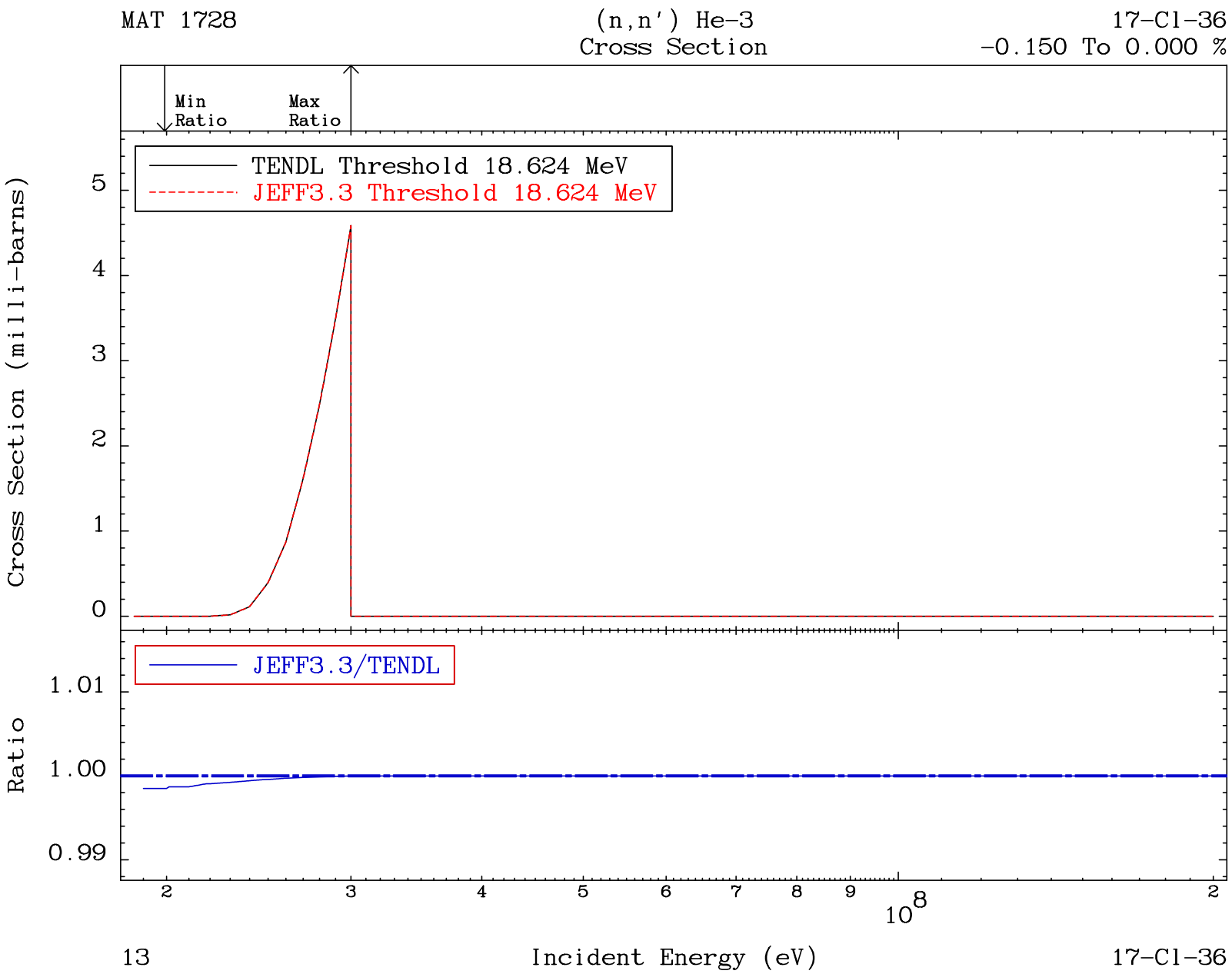

MAT 1728
(n,2n) α
Cross Section
17-Cl-36
-3.131 To 161.7 %
Max Ratio
Min Ratio
TENDL Threshold 15.960 MeV
JEFF3.3 Threshold 15.960 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
3.0
2.0
1.0
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
17-Cl-36

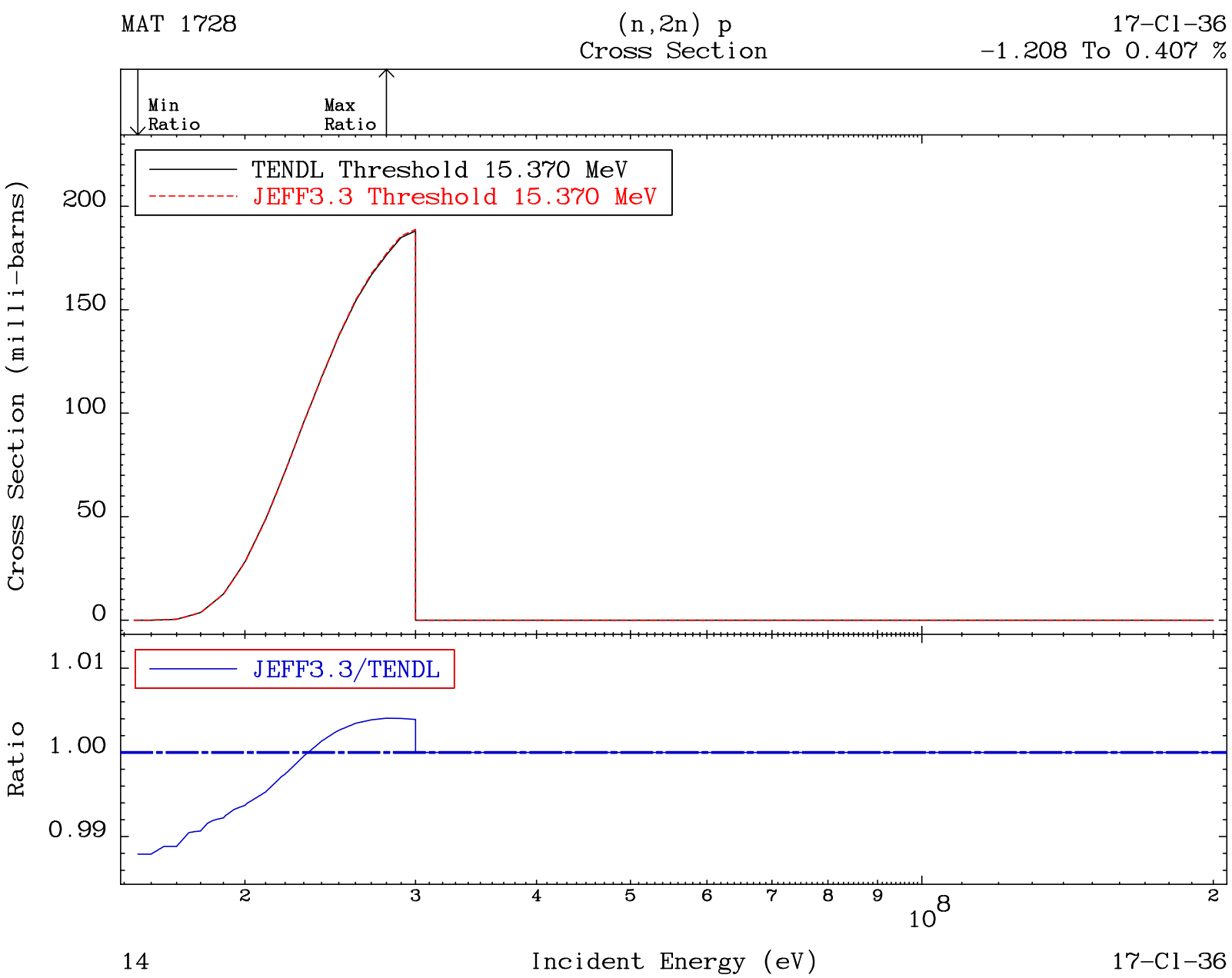

MAT 1728
(n,n') p
Cross Section
17-Cl-36
-0.492 To 0.062 %
Min Ratio
Max Ratio
TENDL Threshold 8.1881 MeV
JEFF3.3 Threshold 8.1881 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
9
Incident Energy (eV)
17-Cl-36

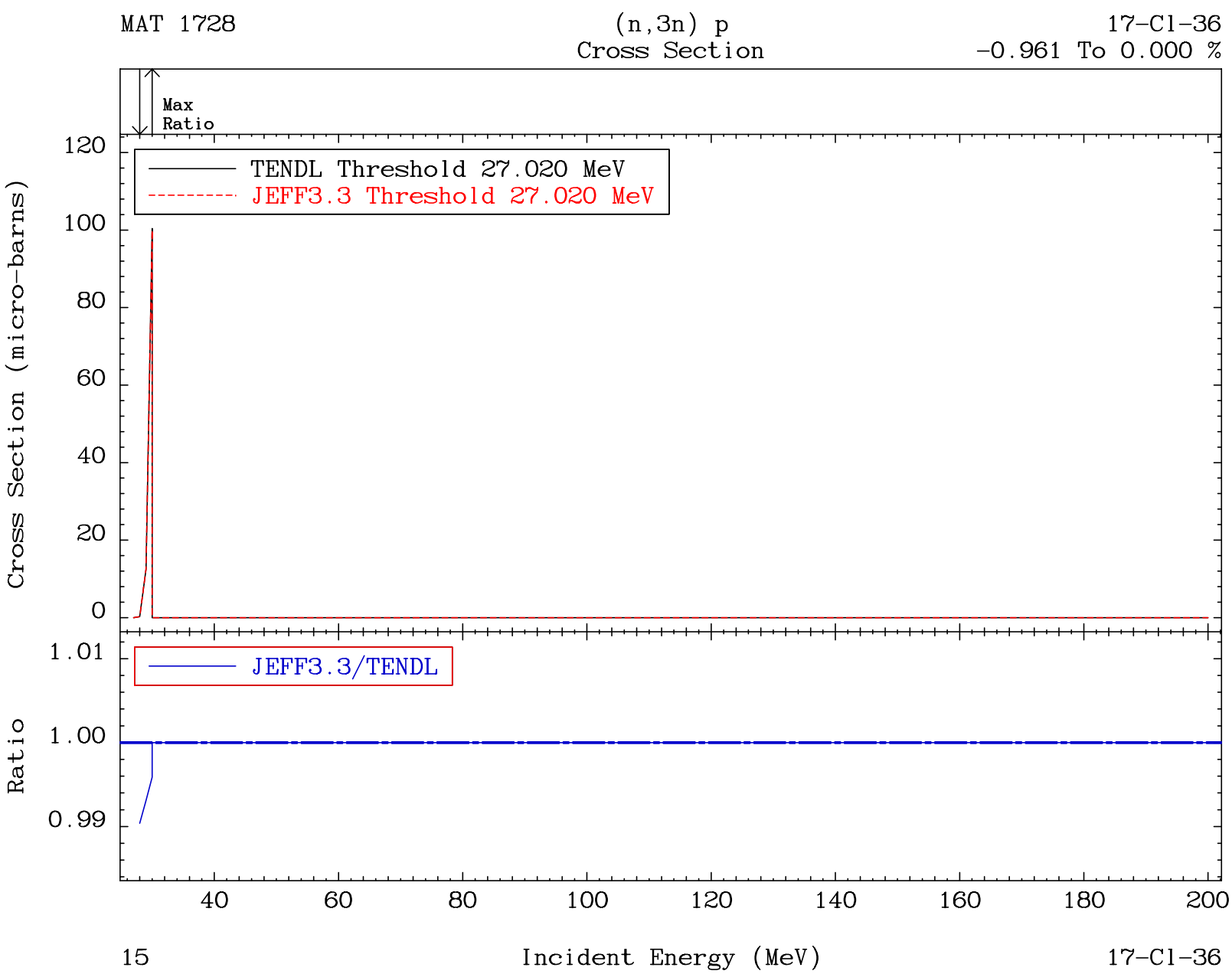

MAT 1728
(n,n') 2α
Cross Section
17-Cl-36
0.000 To 281.6 %
Max Ratio
Min Ratio
TENDL Threshold 18.013 MeV
JEFF3.3 Threshold 18.013 MeV
Cross Section (micro-barns)
160
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
4.0
3.0
2.0
1.0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
17-Cl-36

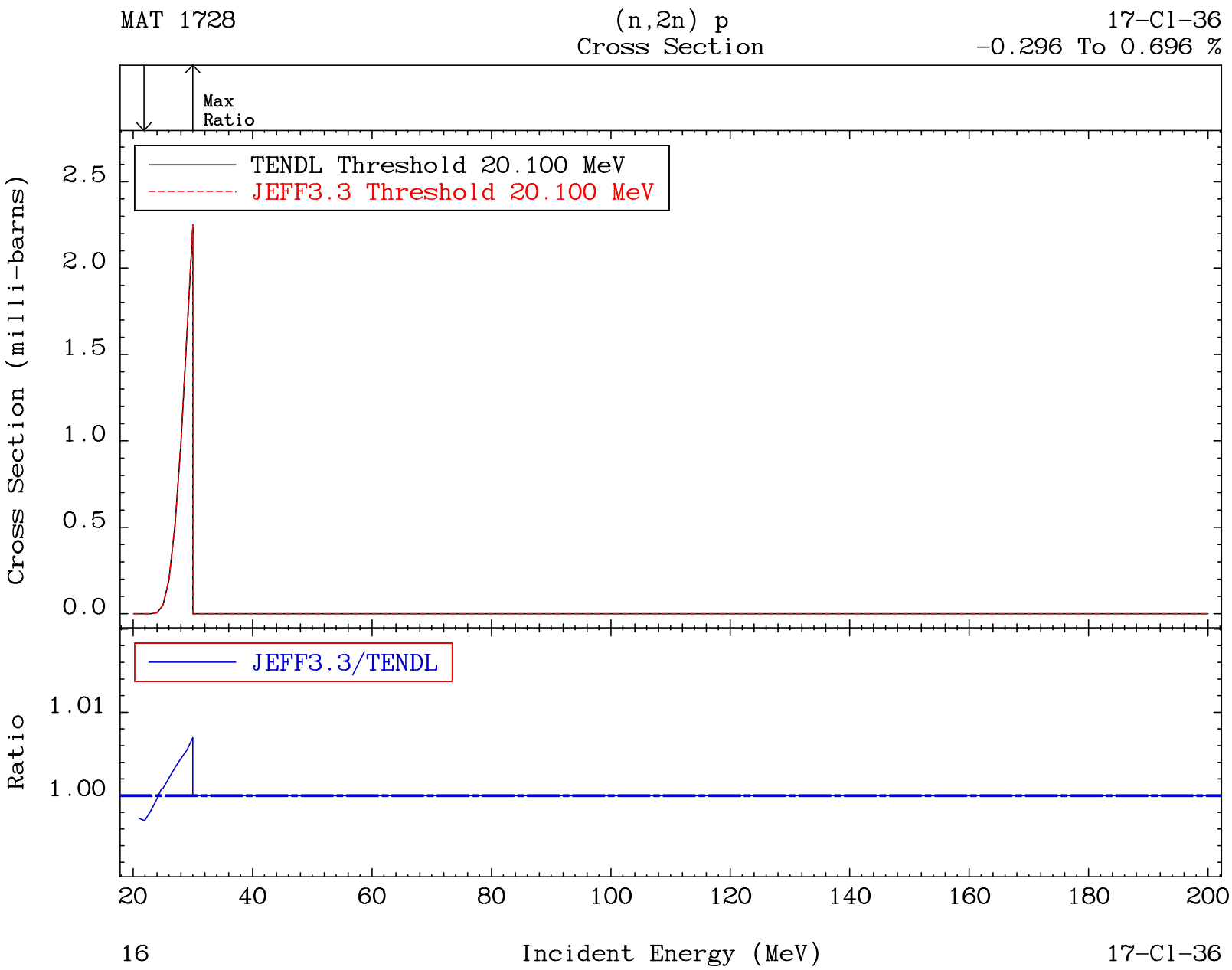

MAT 1728
(n,n') d
Cross Section
17-Cl-36
-0.518 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 13.083 MeV
JEFF3.3 Threshold 13.083 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
17-Cl-36

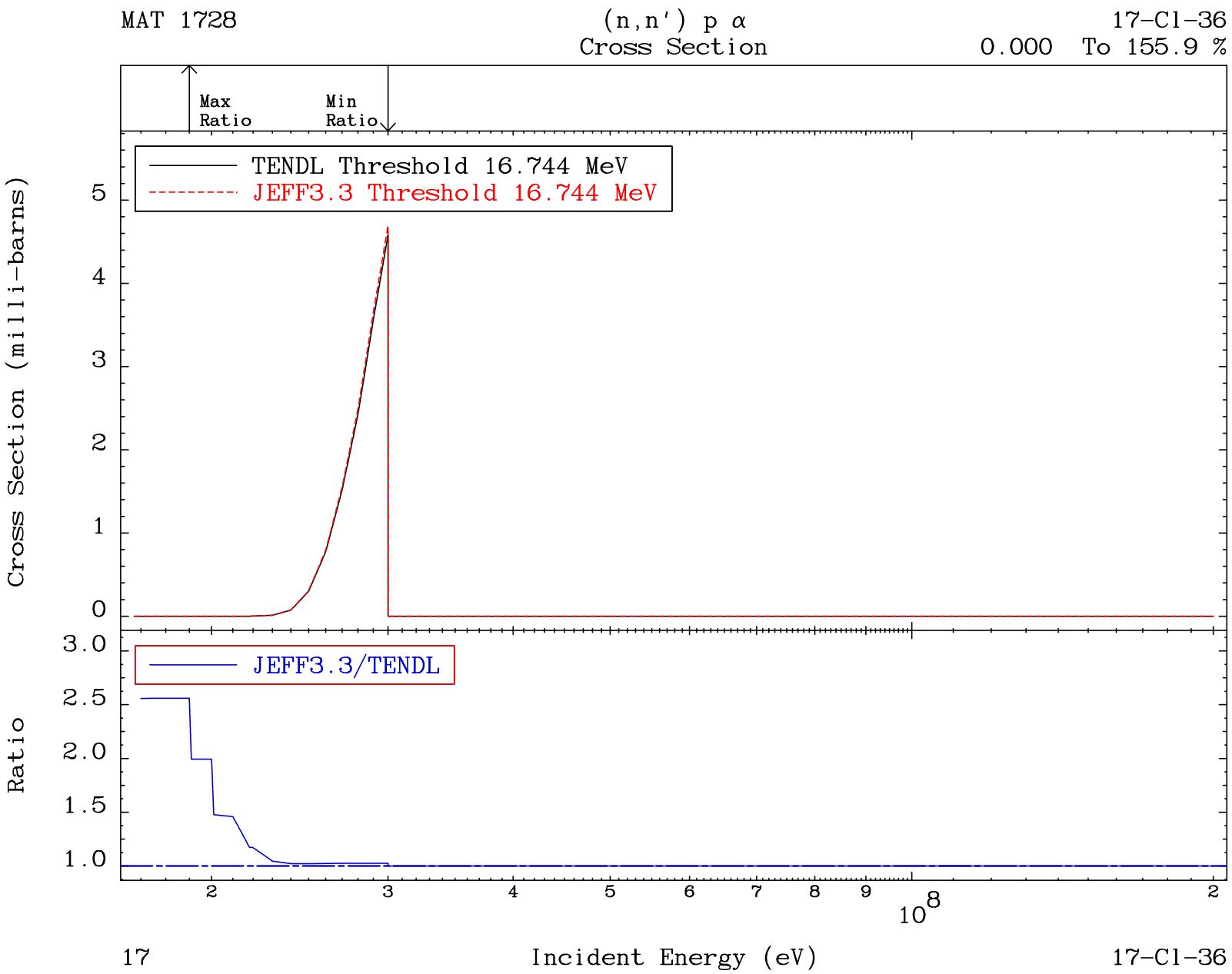

MAT 1728
(n,n') t
Cross Section
17-Cl-36
-0.054 To 0.756 %
Min Ratio
Max Ratio
TENDL Threshold 18.301 MeV
JEFF3.3 Threshold 18.301 MeV
Cross Section (milli-barns)
0
2
4
6
8
JEFF3.3/TENDL
Ratio
1.00
1.01
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
17-Cl-36

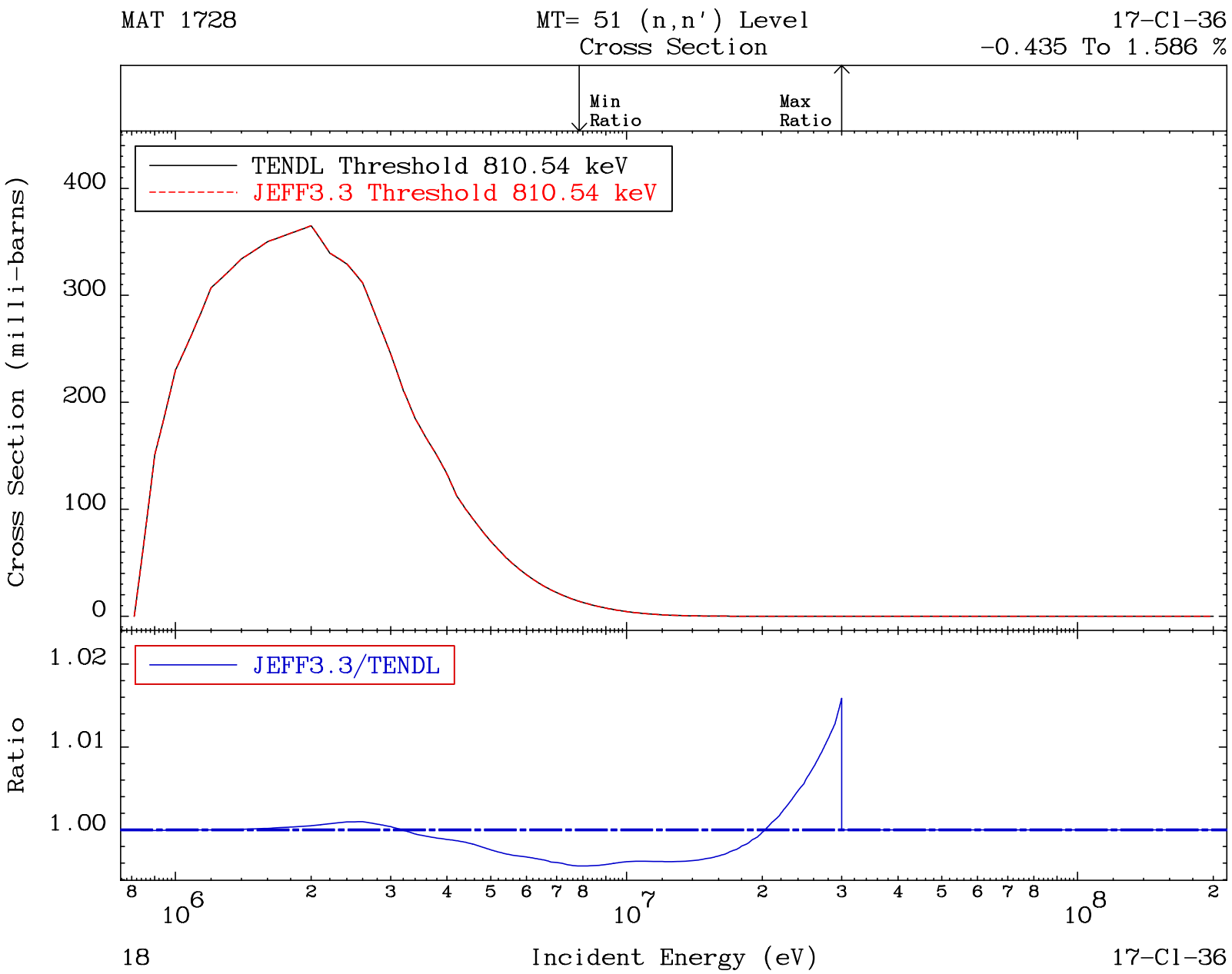

MAT 1728
(n,n') He-3
Cross Section
17-Cl-36
-0.150 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 18.624 MeV
JEFF3.3 Threshold 18.624 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
JEFF3.3/TENDL
Ratio
0.99
1.00
1.01
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
17-Cl-36

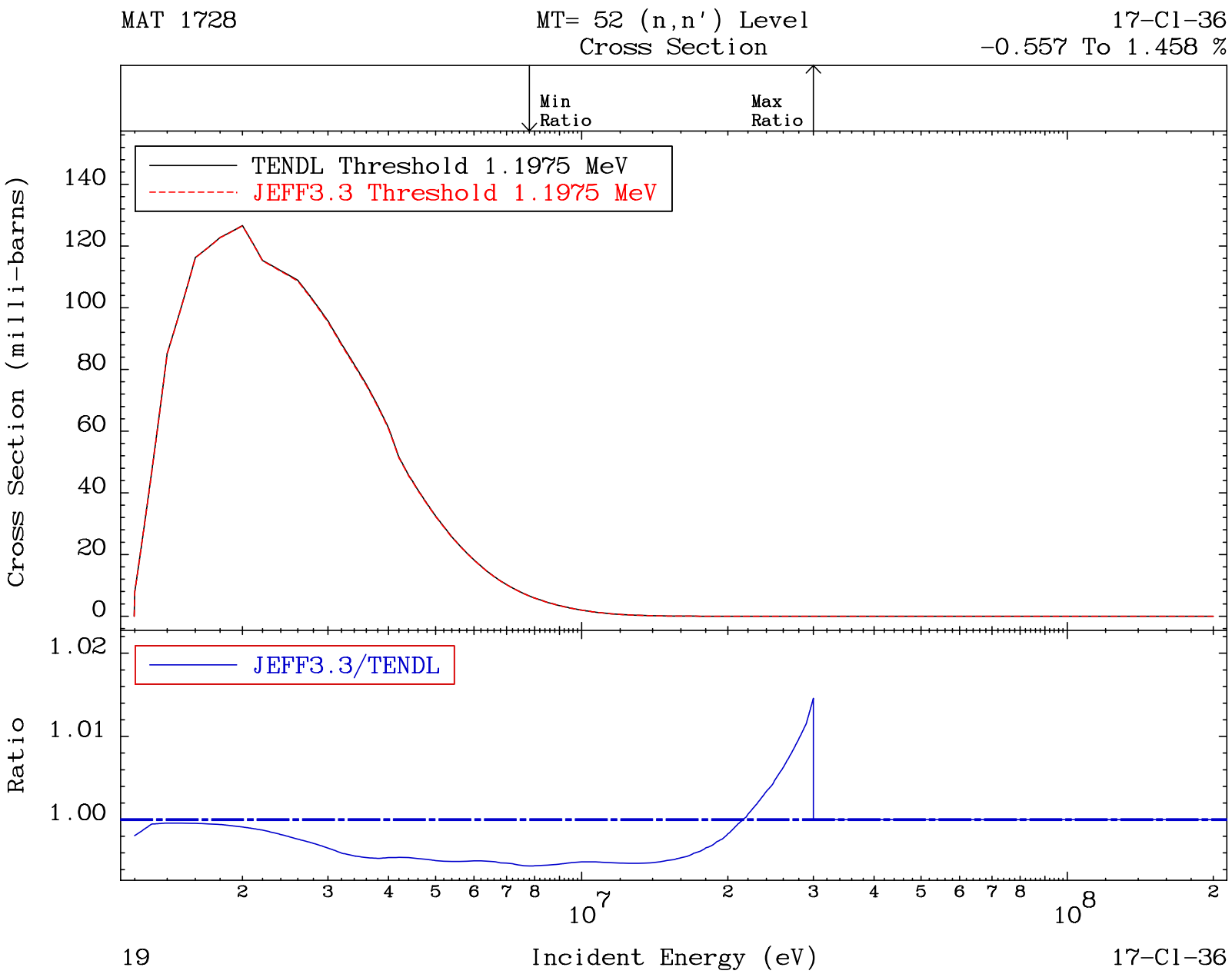

MAT 1728
(n,2n) p
Cross Section
17-Cl-36
-1.208 To 0.407 %
Min Ratio
Max Ratio
TENDL Threshold 15.370 MeV
JEFF3.3 Threshold 15.370 MeV
Cross Section (milli-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
14
Incident Energy (eV)
17-Cl-36

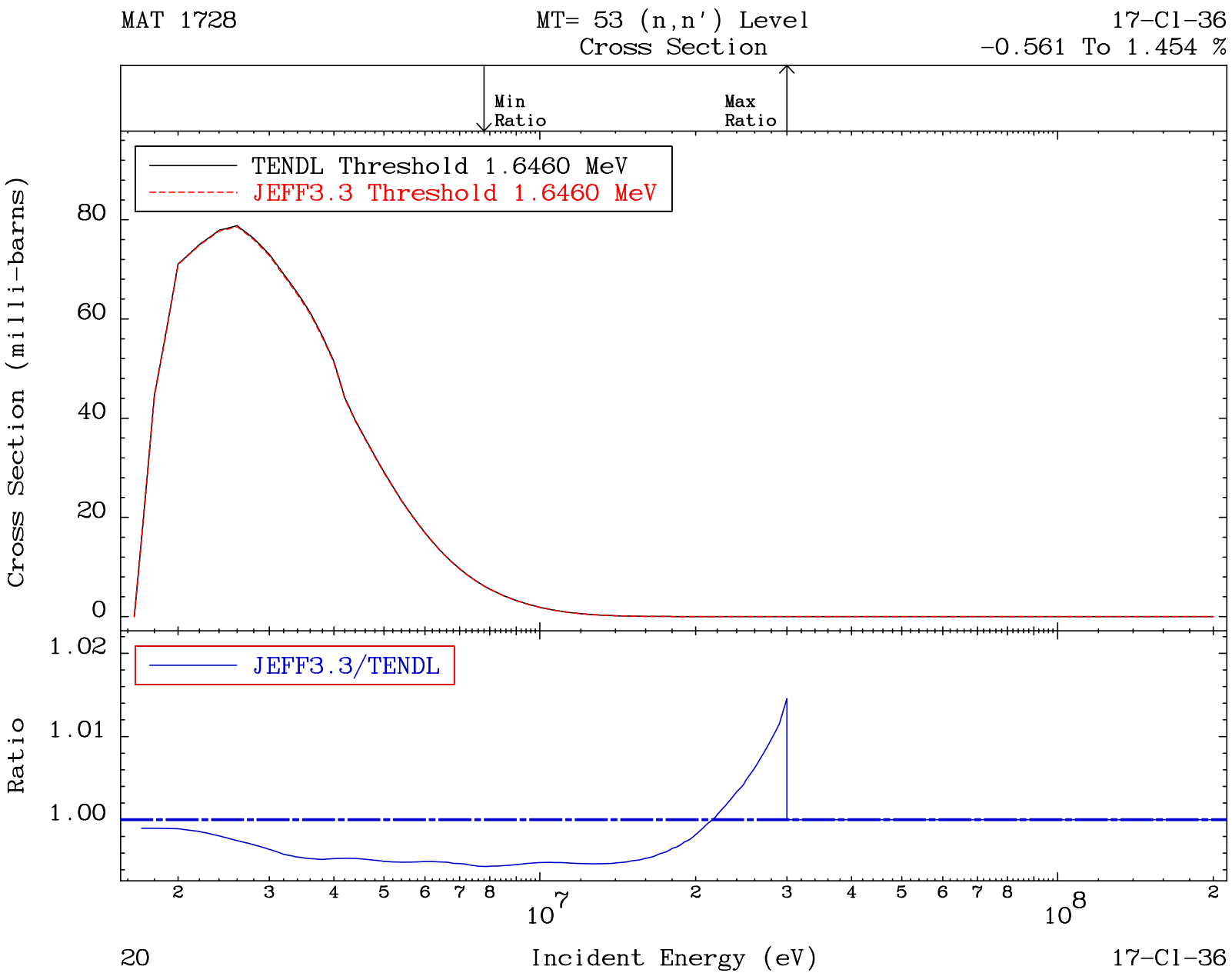

MAT 1728
(n,3n) p
Cross Section
17-Cl-36
-0.961 To 0.000 %
Max
Ratio
TENDL Threshold 27.020 MeV
JEFF3.3 Threshold 27.020 MeV
Cross Section (micro-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
40
60
80
100
120
140
160
180
200
15
Incident Energy (MeV)
17-Cl-36

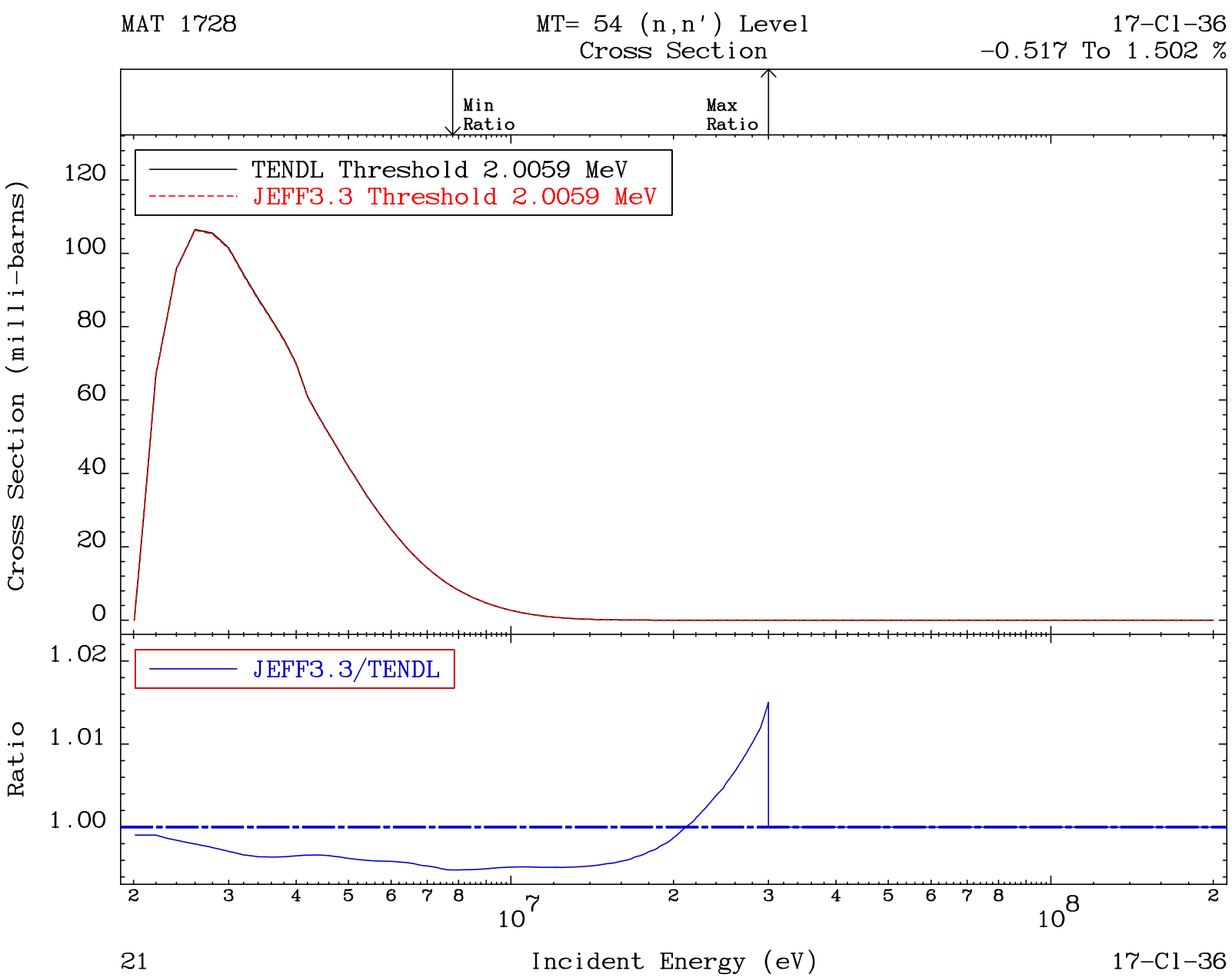

MAT 1728
(n,2n) p
Cross Section
17-Cl-36
-0.296 To 0.696 %
Max
Ratio
TENDL Threshold 20.100 MeV
JEFF3.3 Threshold 20.100 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
20
40
60
80
100
120
140
160
180
200
16
Incident Energy (MeV)
17-Cl-36

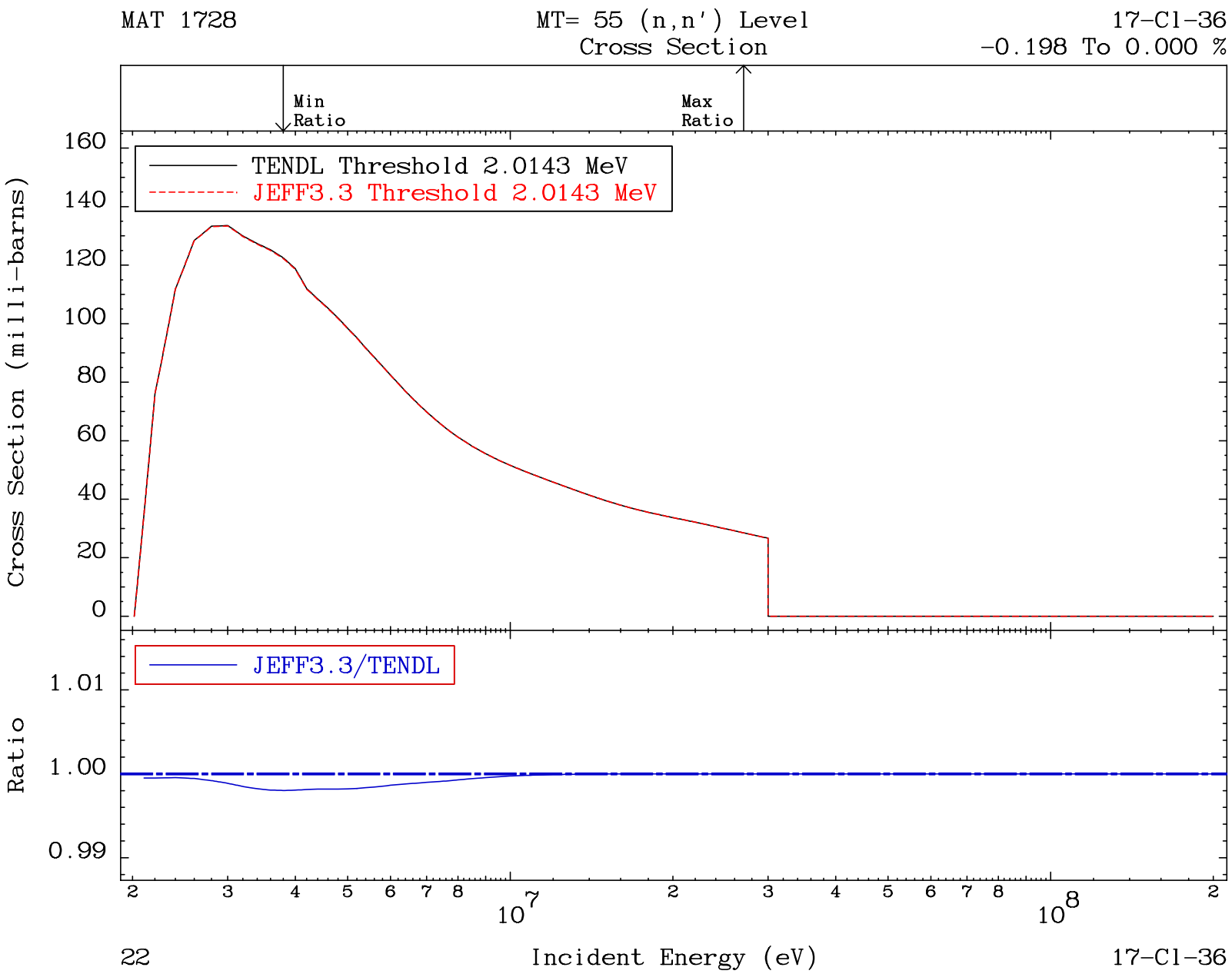

MAT 1728
(n,n') p α
Cross Section
17-Cl-36
0.000 To 155.9 %
Max Ratio
Min Ratio
TENDL Threshold 16.744 MeV
JEFF3.3 Threshold 16.744 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
JEFF3.3/TENDL
Ratio
1.0
1.5
2.0
2.5
3.0
2
3
4
5
6
7
8
9
10^8
2
17
Incident Energy (eV)
17-Cl-36

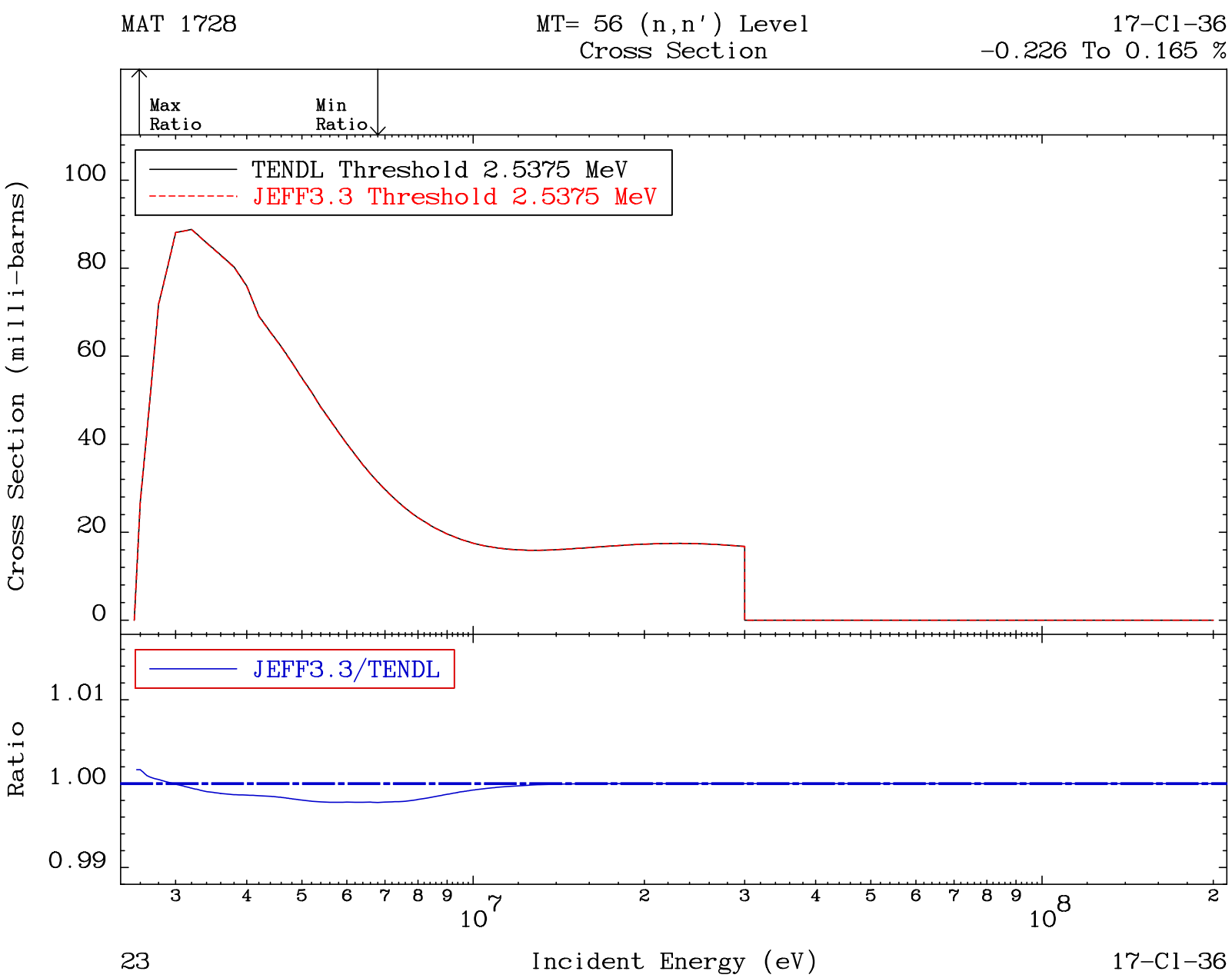

MAT 1728
MT= 51 (n,n') Level
Cross Section
17-Cl-36
-0.435 To 1.586 %
Min Ratio
Max Ratio
TENDL Threshold 810.54 keV
JEFF3.3 Threshold 810.54 keV
Cross Section (milli-barns)
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
8
2
3
4
5
6
7
8
10^6
10^7
10^8
18
Incident Energy (eV)
17-Cl-36

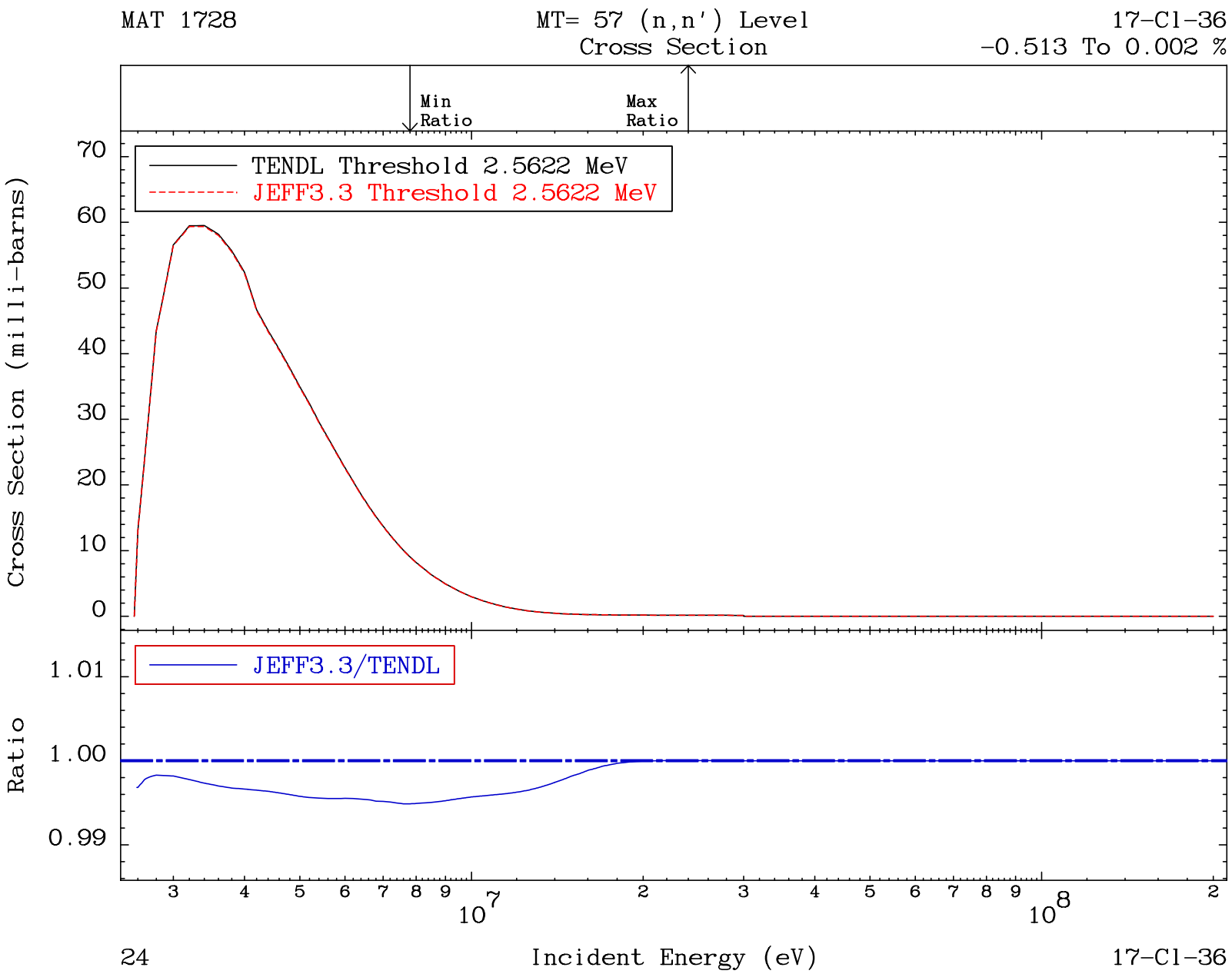

MAT 1728
MT= 52 (n,n') Level
Cross Section
17-Cl-36
-0.557 To 1.458 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.1975 MeV
JEFF3.3 Threshold 1.1975 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
19
Incident Energy (eV)
17-Cl-36

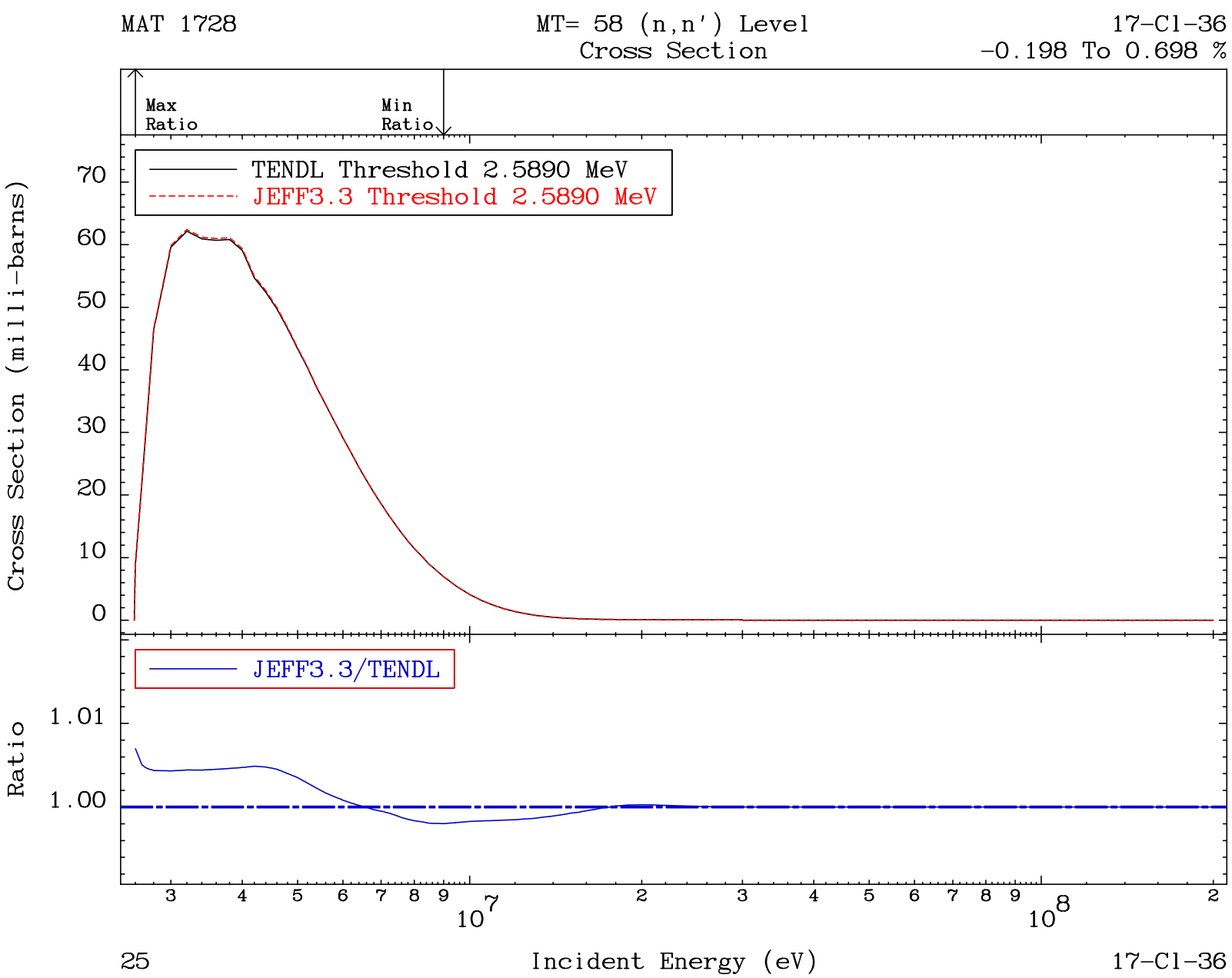

MAT 1728
MT= 53 (n,n') Level
Cross Section
17-Cl-36
-0.561 To 1.454 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.6460 MeV
JEFF3.3 Threshold 1.6460 MeV
Cross Section (milli-barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
20
Incident Energy (eV)
17-Cl-36

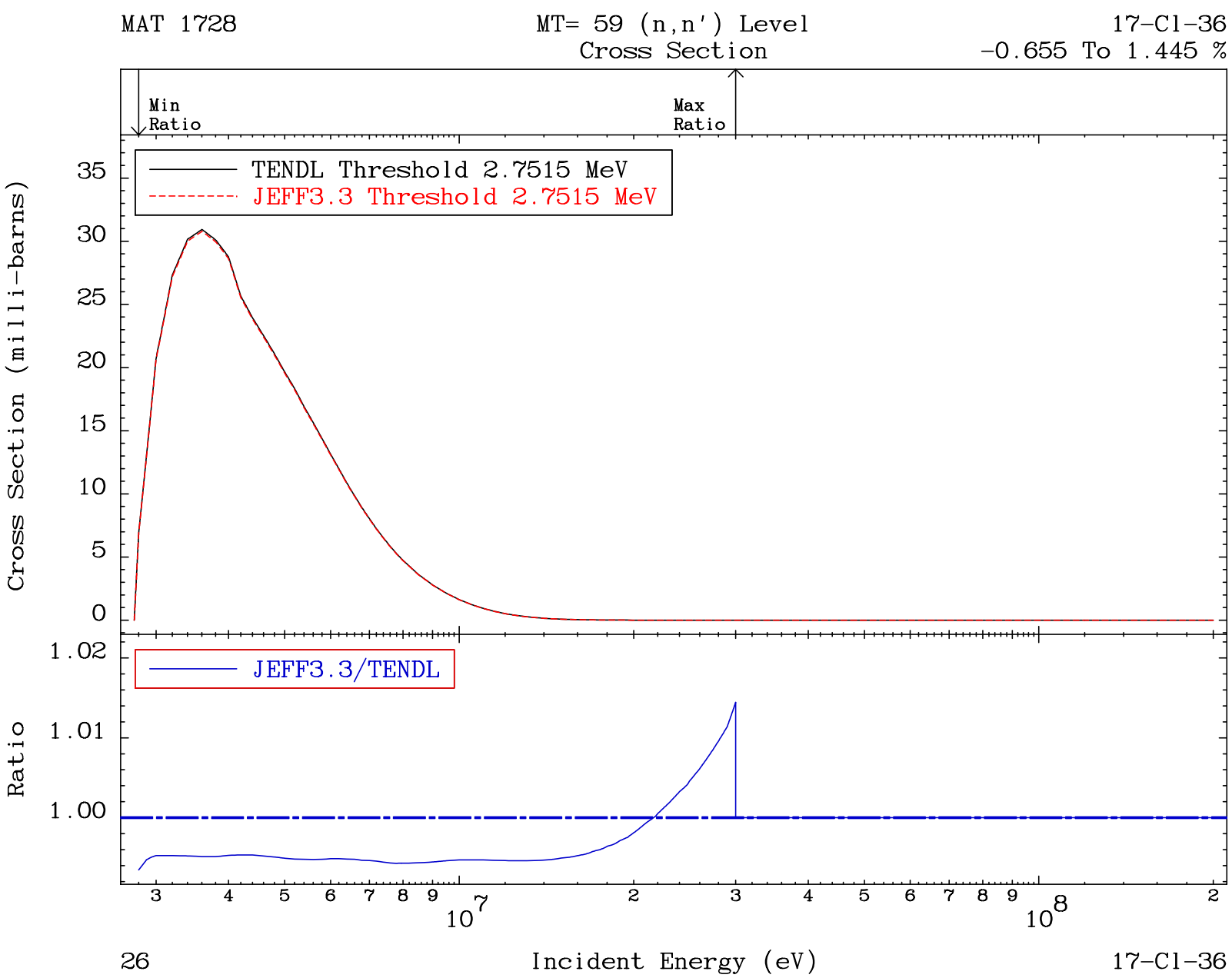

MAT 1728
MT= 54 (n,n') Level
Cross Section
17-Cl-36
-0.517 To 1.502 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.0059 MeV
JEFF3.3 Threshold 2.0059 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
21
Incident Energy (eV)
17-Cl-36

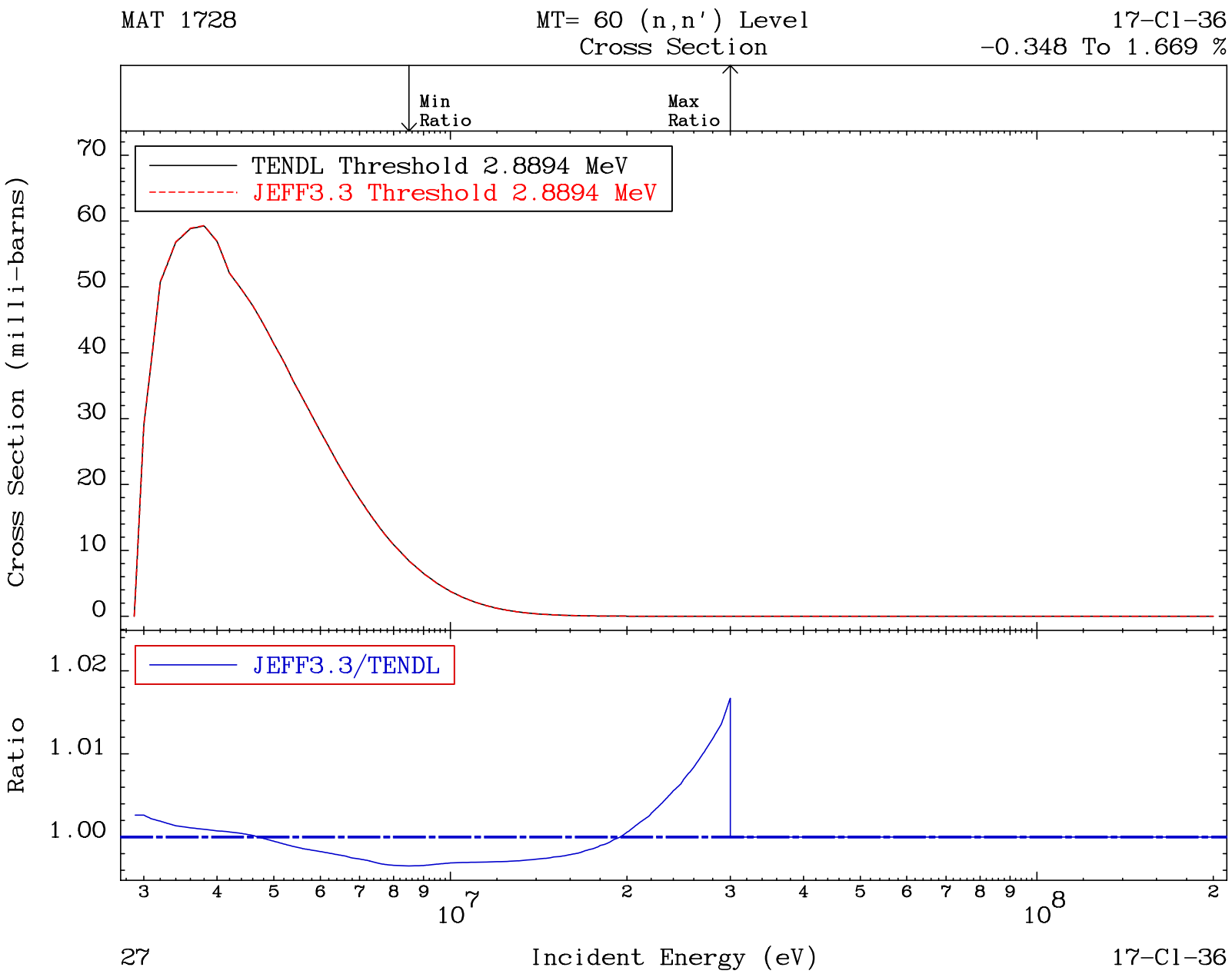

MAT 1728
MT= 55 (n,n') Level
Cross Section
17-Cl-36
-0.198 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.0143 MeV
JEFF3.3 Threshold 2.0143 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
22
Incident Energy (eV)
17-Cl-36

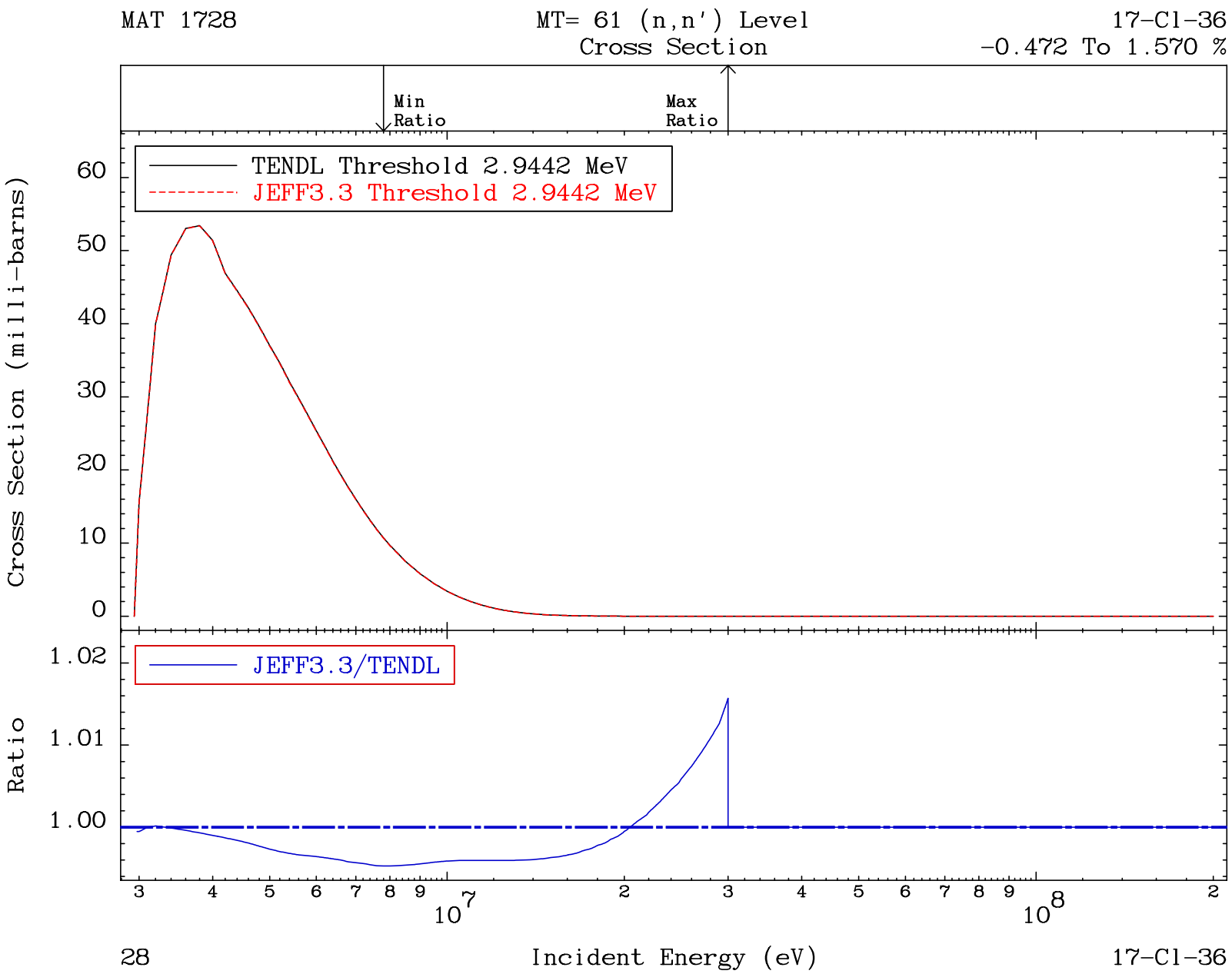

MAT 1728
MT= 56 (n,n') Level
Cross Section
17-Cl-36
-0.226 To 0.165 %
Max Ratio
Min Ratio
TENDL Threshold 2.5375 MeV
JEFF3.3 Threshold 2.5375 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
23
Incident Energy (eV)
17-Cl-36

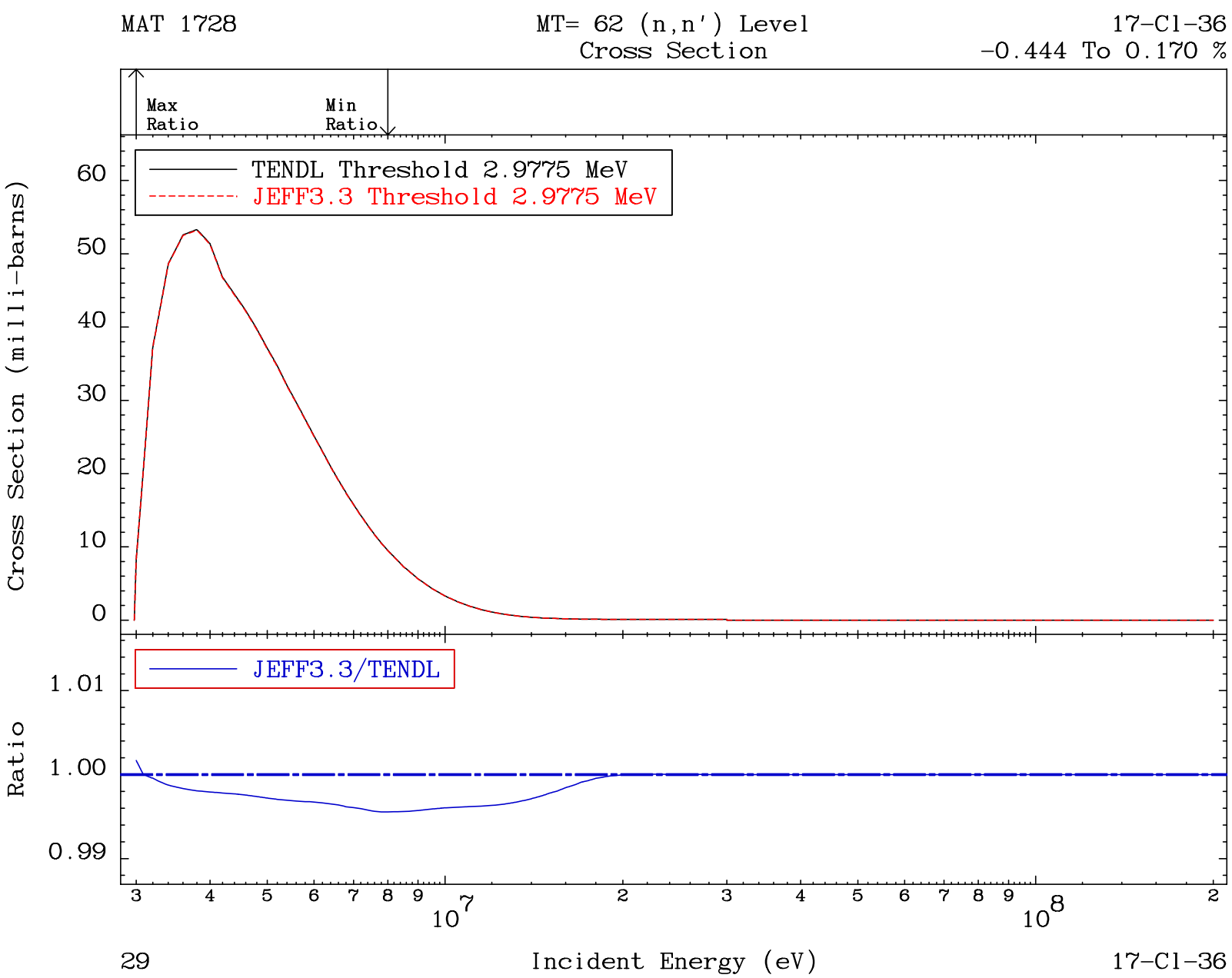

MAT 1728
MT= 57 (n,n') Level
Cross Section
17-Cl-36
-0.513 To 0.002 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.5622 MeV
JEFF3.3 Threshold 2.5622 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
24
Incident Energy (eV)
17-Cl-36

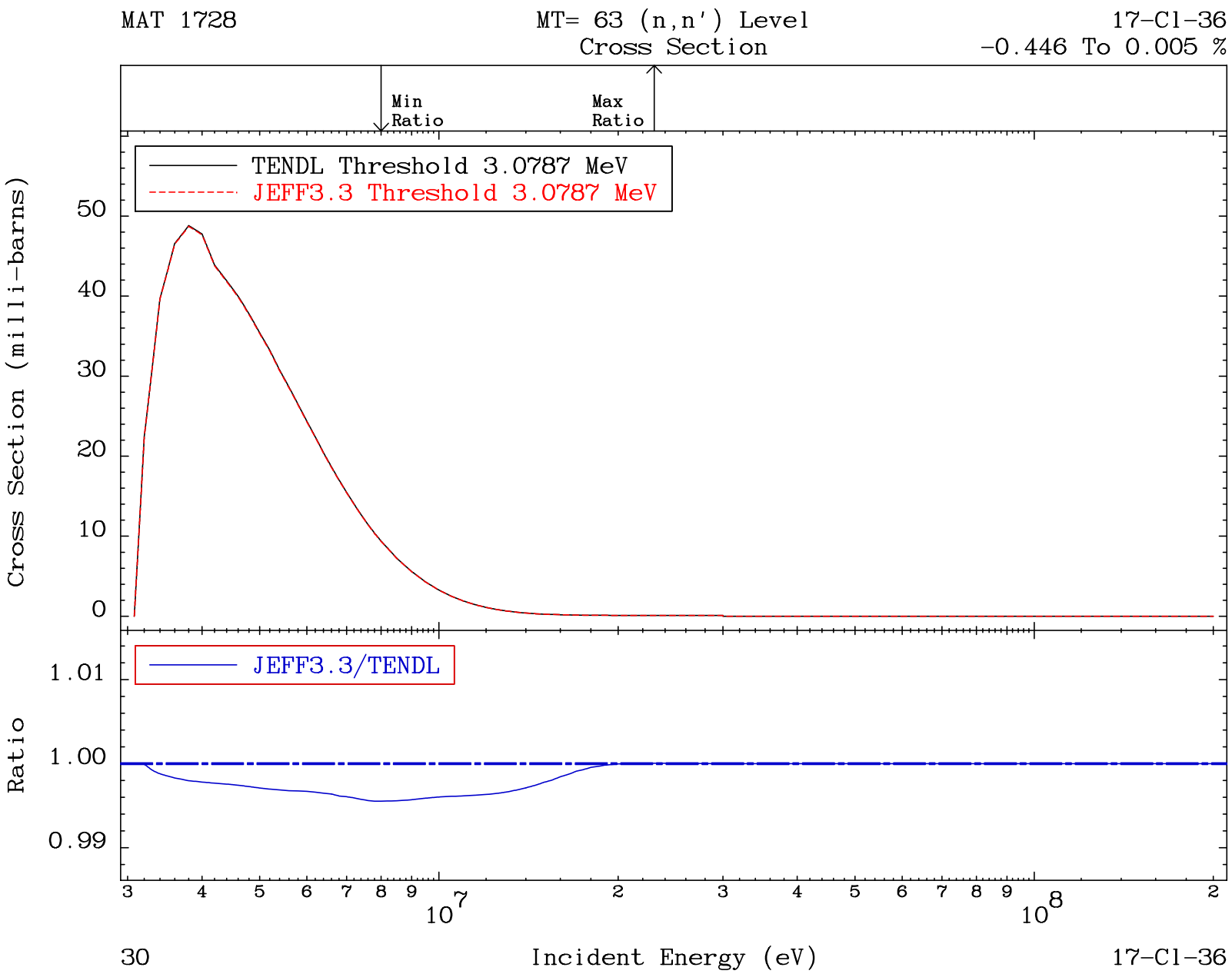

MAT 1728
MT= 58 (n,n') Level
Cross Section
17-Cl-36
-0.198 To 0.698 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.5890 MeV
JEFF3.3 Threshold 2.5890 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
25
Incident Energy (eV)
17-Cl-36

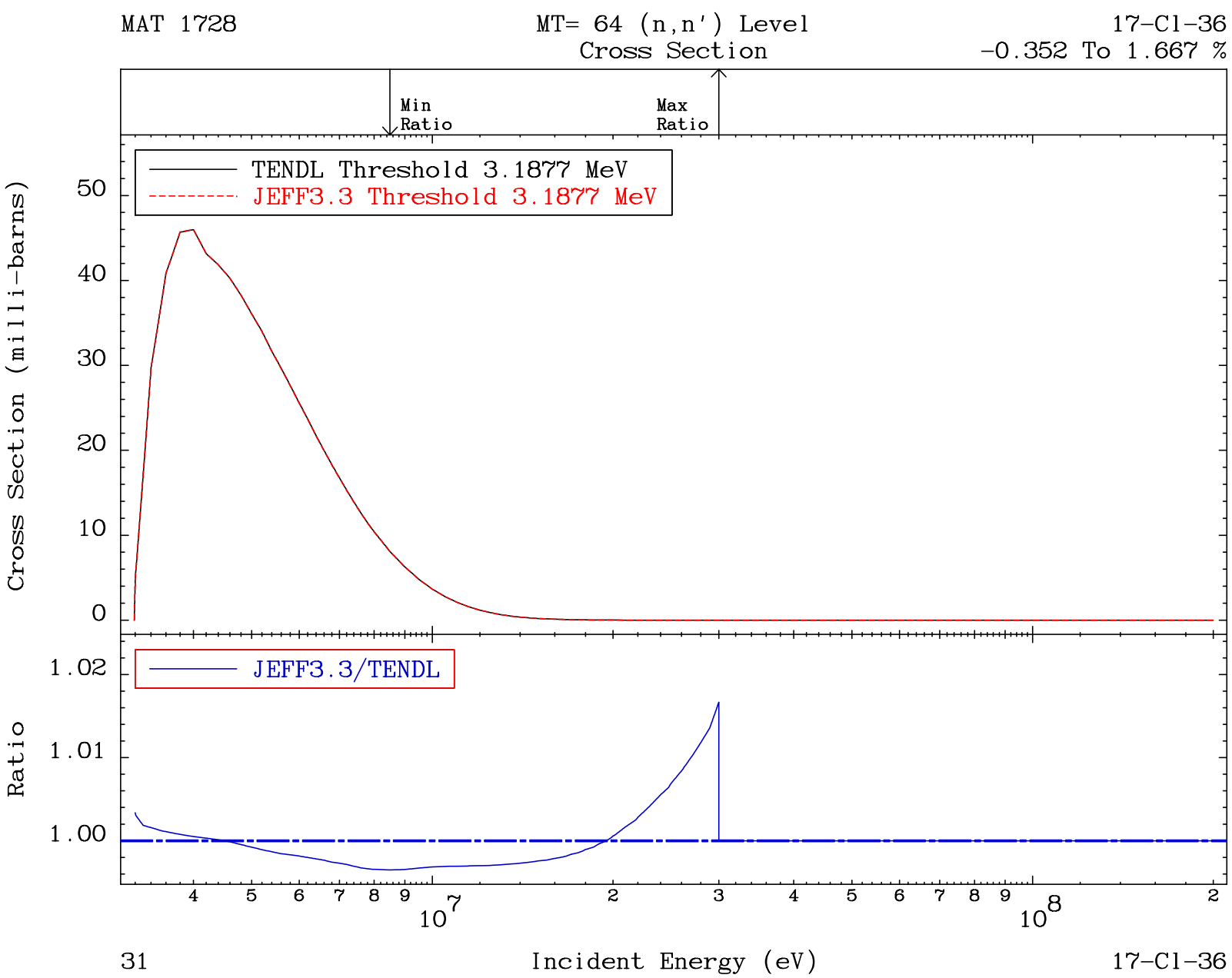

MAT 1728
MT= 59 (n,n') Level
Cross Section
17-Cl-36
-0.655 To 1.445 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.7515 MeV
JEFF3.3 Threshold 2.7515 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
26
Incident Energy (eV)
17-Cl-36

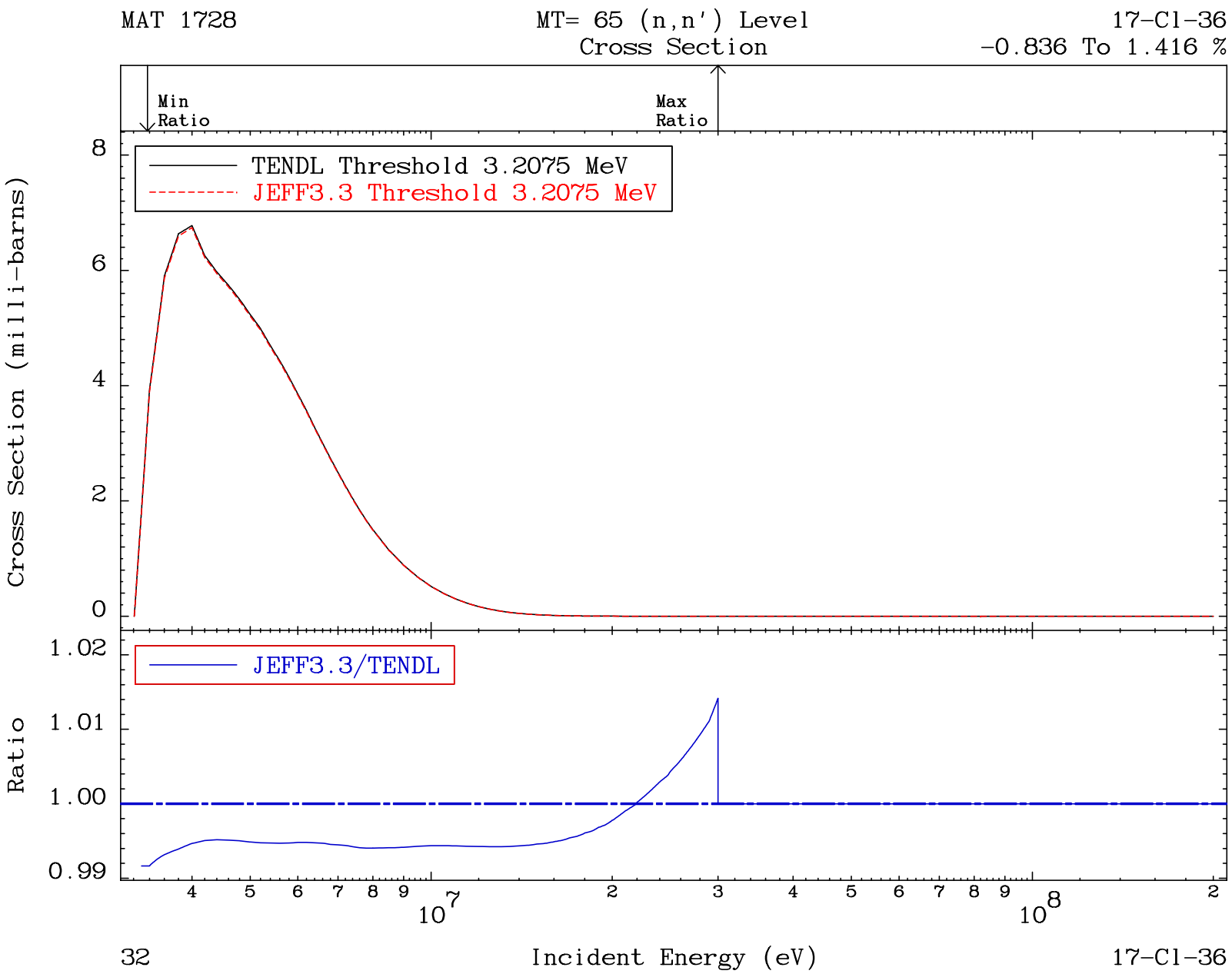

MAT 1728
MT= 60 (n,n') Level
Cross Section
17-Cl-36
-0.348 To 1.669 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.8894 MeV
JEFF3.3 Threshold 2.8894 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
27
Incident Energy (eV)
17-Cl-36

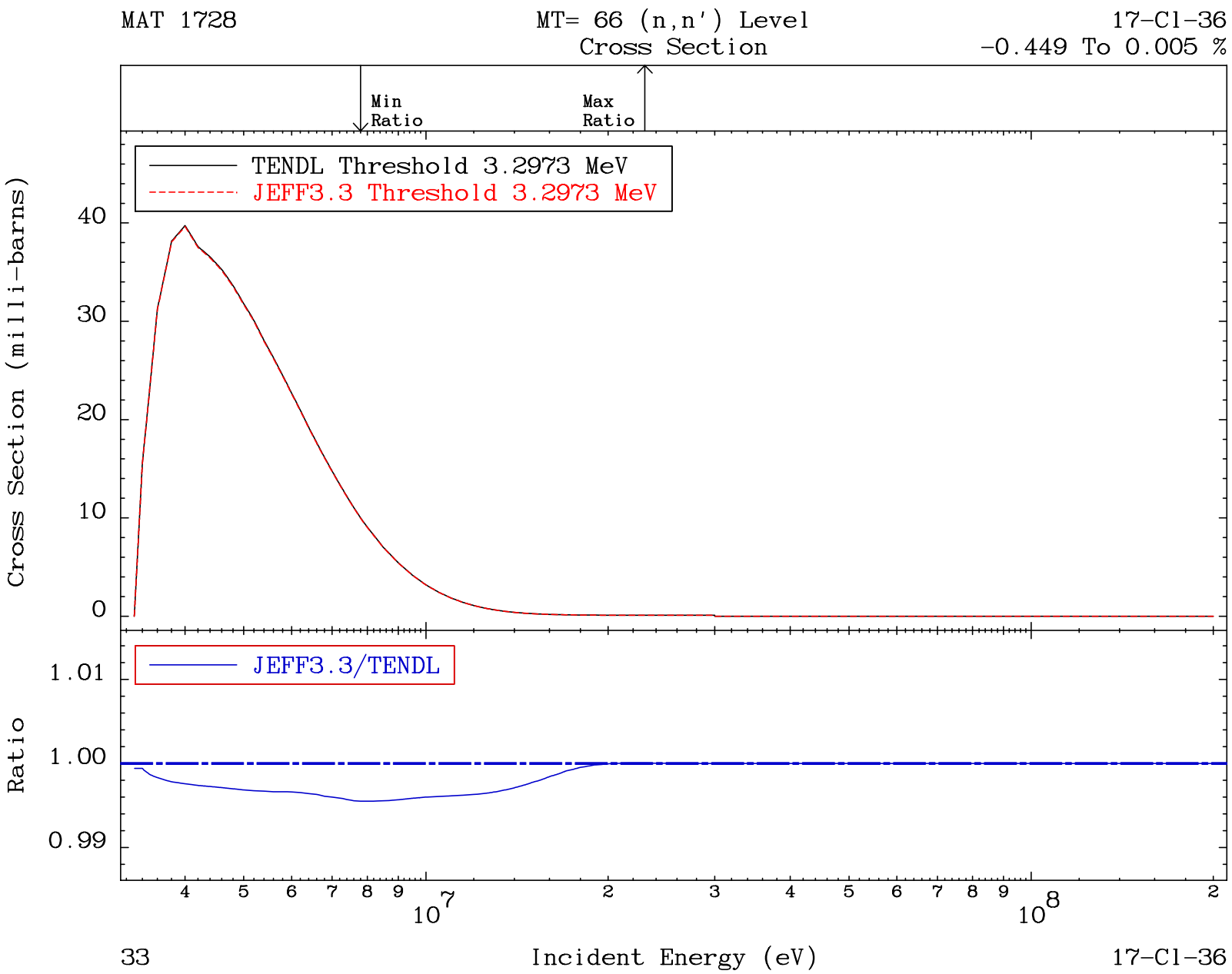

MAT 1728
MT= 61 (n,n') Level
Cross Section
17-Cl-36
-0.472 To 1.570 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.9442 MeV
JEFF3.3 Threshold 2.9442 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
28
Incident Energy (eV)
17-Cl-36

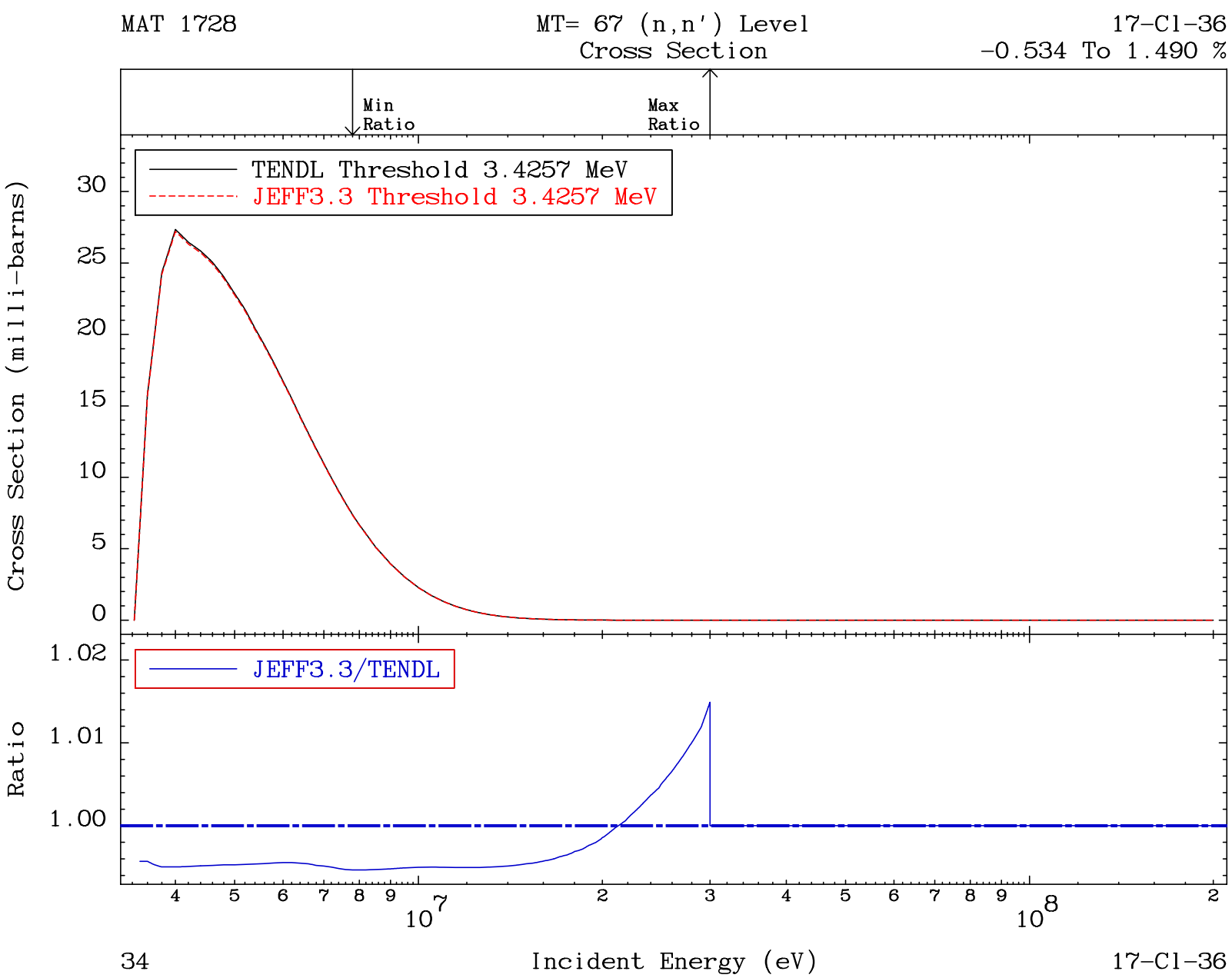

MAT 1728
MT= 62 (n,n') Level
Cross Section
17-Cl-36
-0.444 To 0.170 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.9775 MeV
JEFF3.3 Threshold 2.9775 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
29
Incident Energy (eV)
17-Cl-36

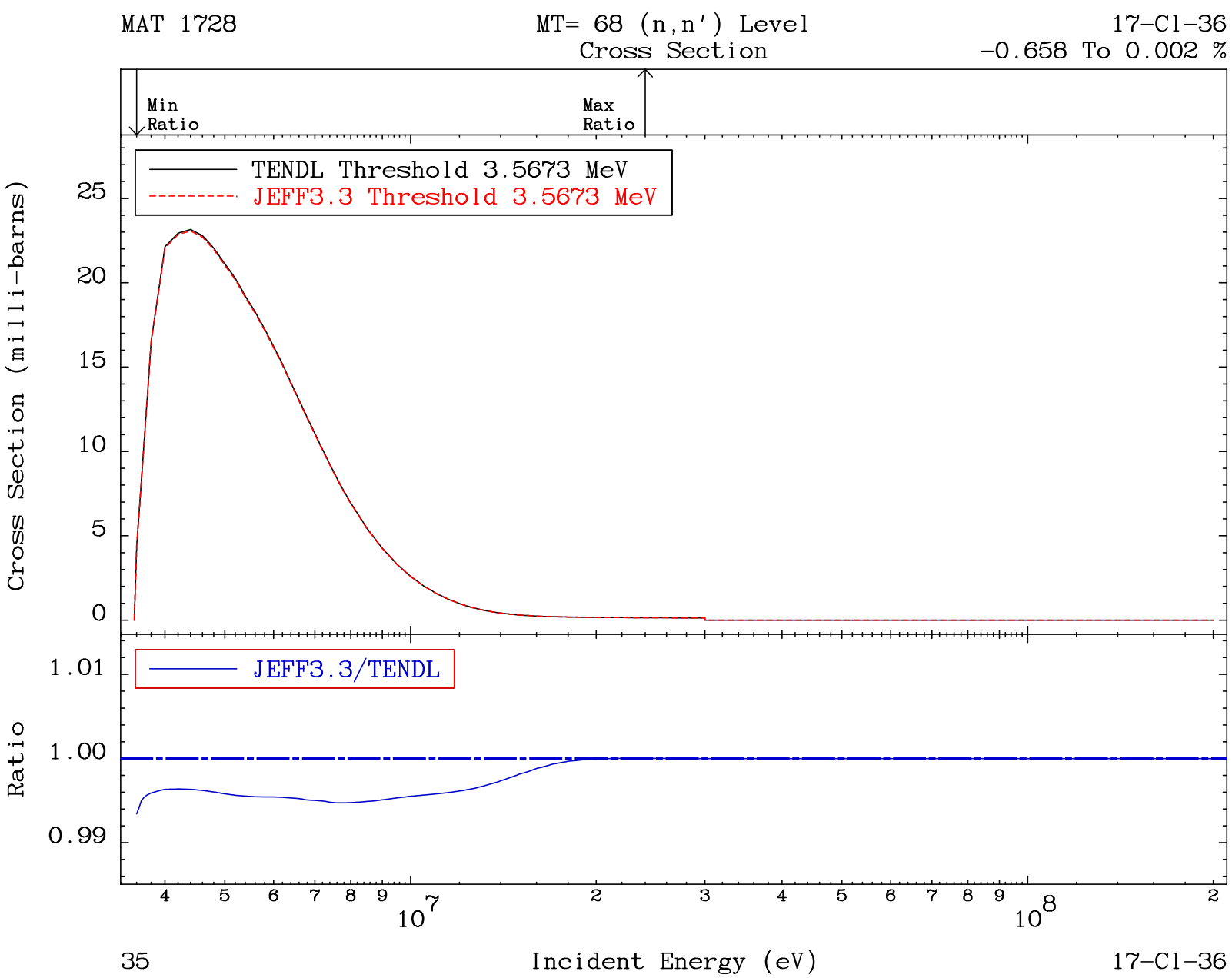

MAT 1728
MT= 63 (n,n') Level
Cross Section
17-Cl-36
-0.446 To 0.005 %
Min Ratio
Max Ratio
TENDL Threshold 3.0787 MeV
JEFF3.3 Threshold 3.0787 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
30
Incident Energy (eV)
17-Cl-36

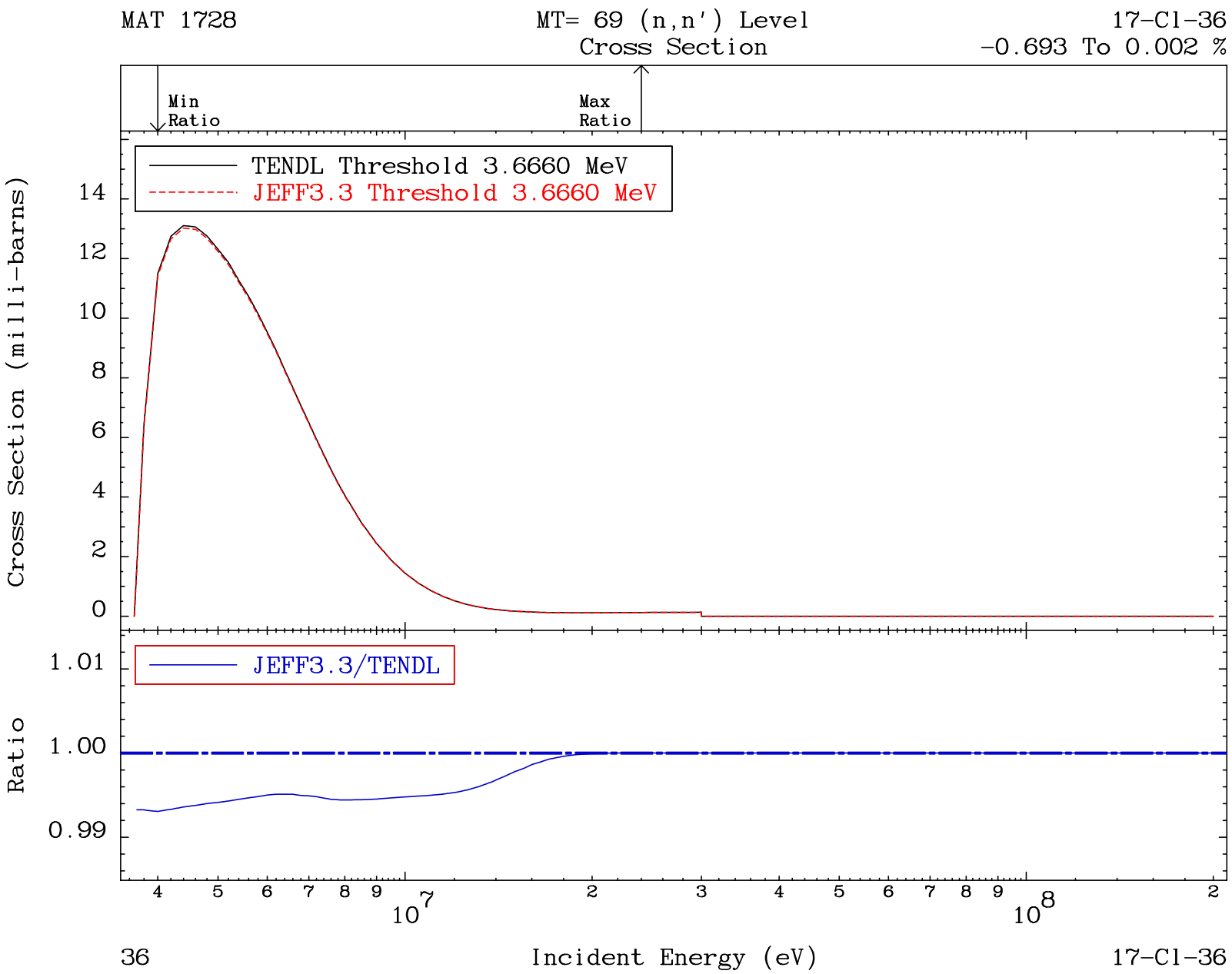

MAT 1728
MT= 64 (n,n') Level
Cross Section
17-Cl-36
-0.352 To 1.667 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.1877 MeV
JEFF3.3 Threshold 3.1877 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
31
Incident Energy (eV)
17-Cl-36

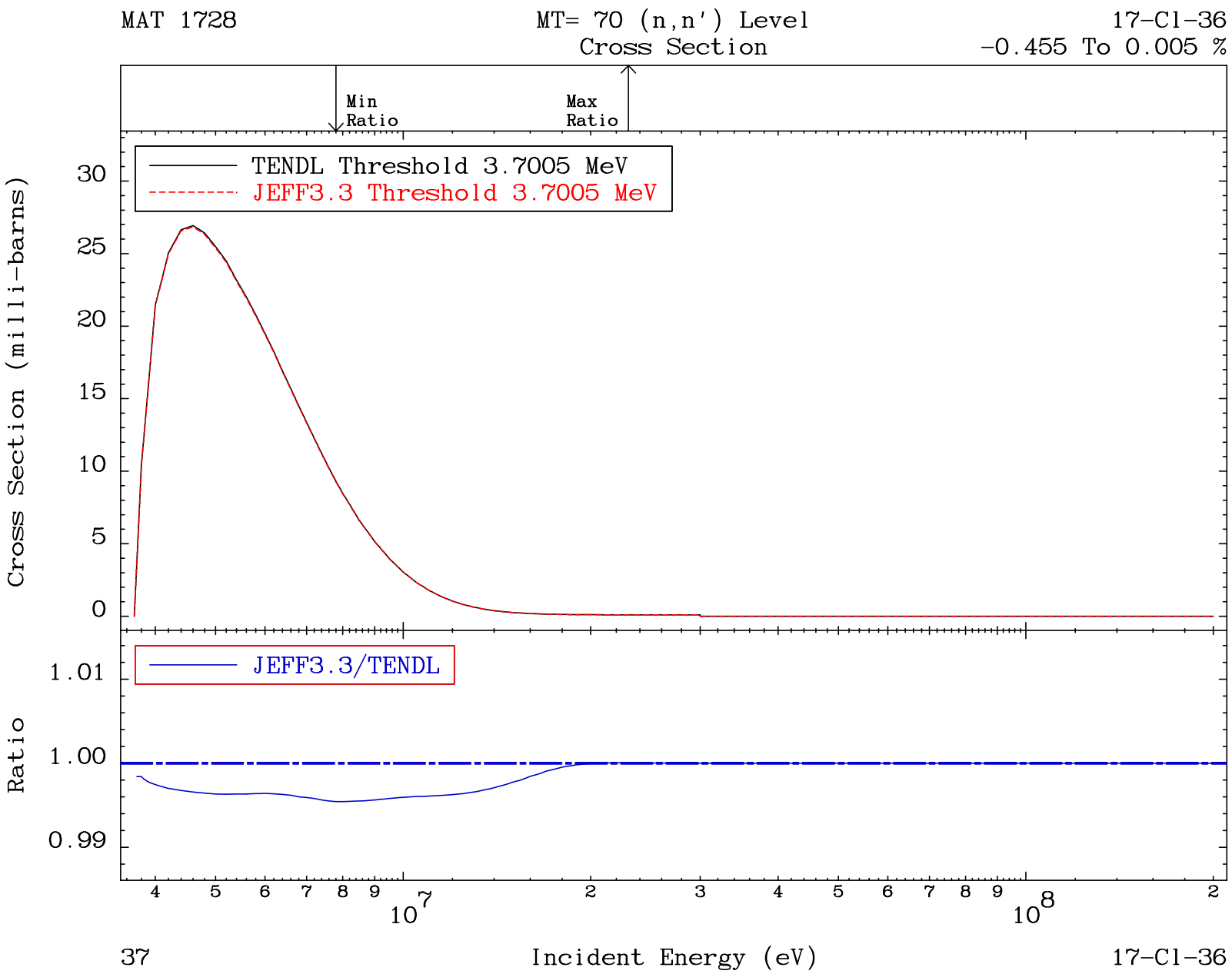

MAT 1728
MT= 65 (n,n') Level
Cross Section
17-Cl-36
-0.836 To 1.416 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.2075 MeV
JEFF3.3 Threshold 3.2075 MeV
Cross Section (milli-barns)
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
0.99
4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
32
Incident Energy (eV)
17-Cl-36

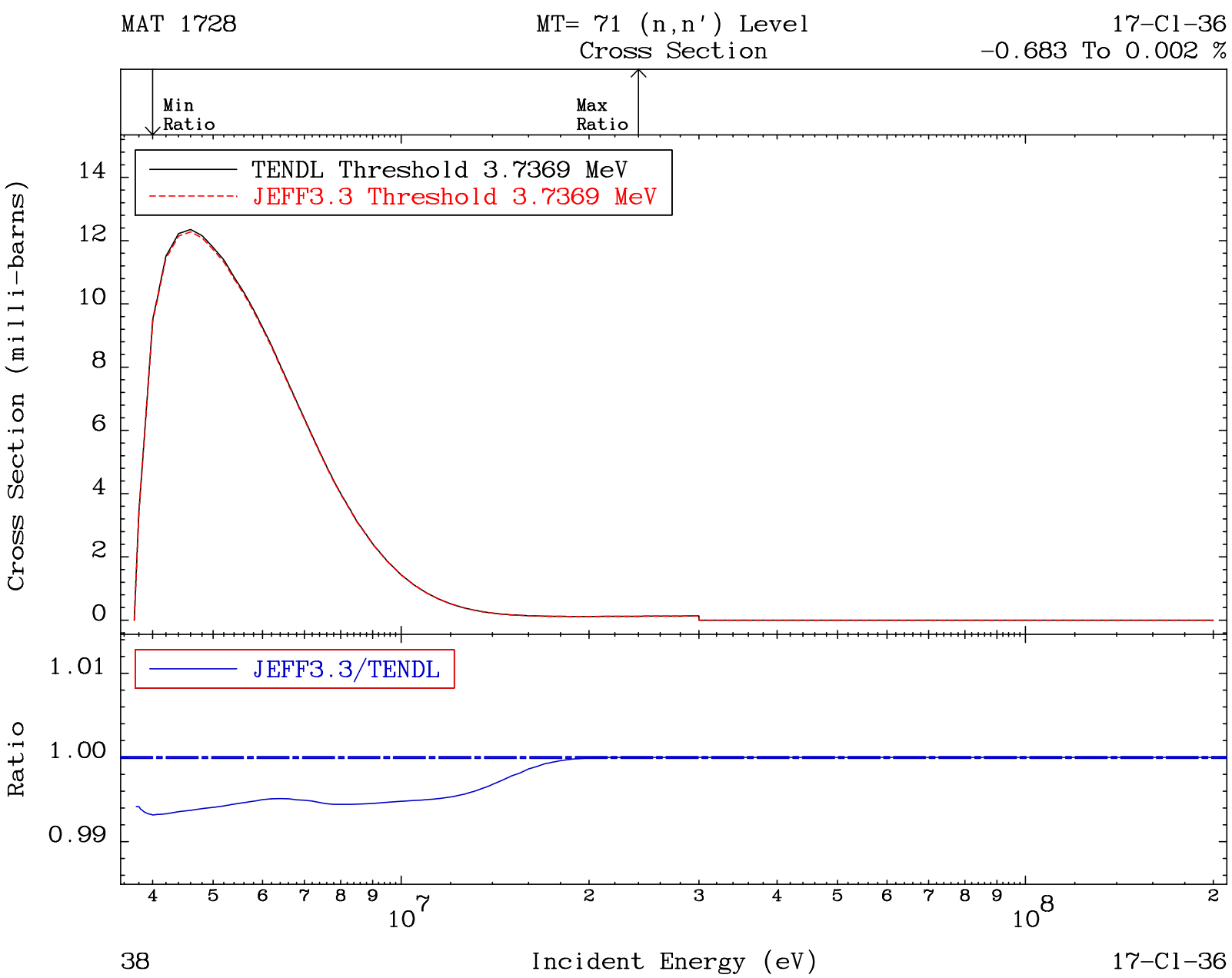

MAT 1728
MT= 66 (n,n') Level
Cross Section
17-Cl-36
-0.449 To 0.005 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.2973 MeV
JEFF3.3 Threshold 3.2973 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
33
Incident Energy (eV)
17-Cl-36

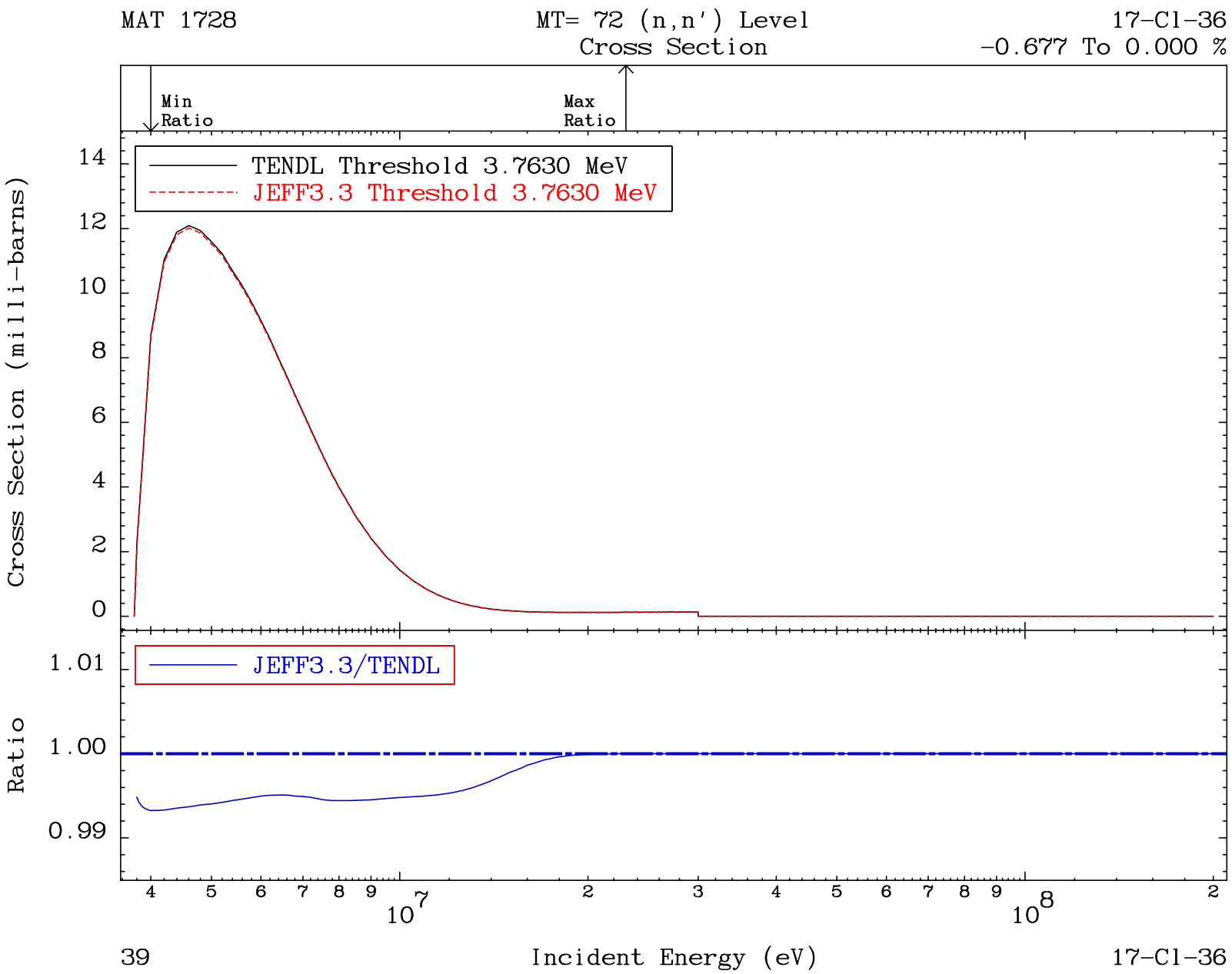

MAT 1728
MT= 67 (n,n') Level
Cross Section
17-Cl-36
-0.534 To 1.490 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.4257 MeV
JEFF3.3 Threshold 3.4257 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
34
Incident Energy (eV)
17-Cl-36

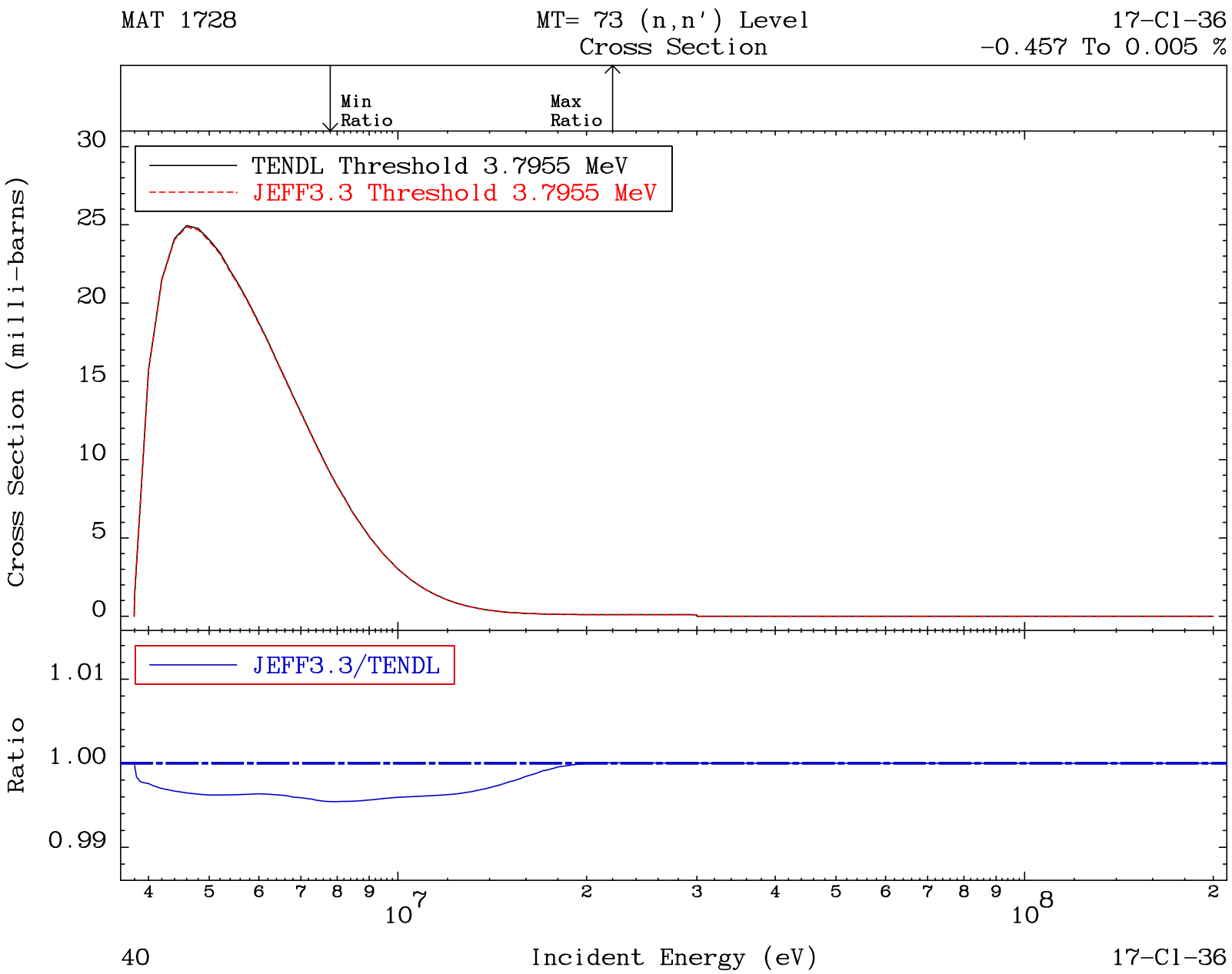

MAT 1728
MT= 68 (n,n') Level
Cross Section
17-Cl-36
-0.658 To 0.002 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.5673 MeV
JEFF3.3 Threshold 3.5673 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
35
Incident Energy (eV)
17-Cl-36

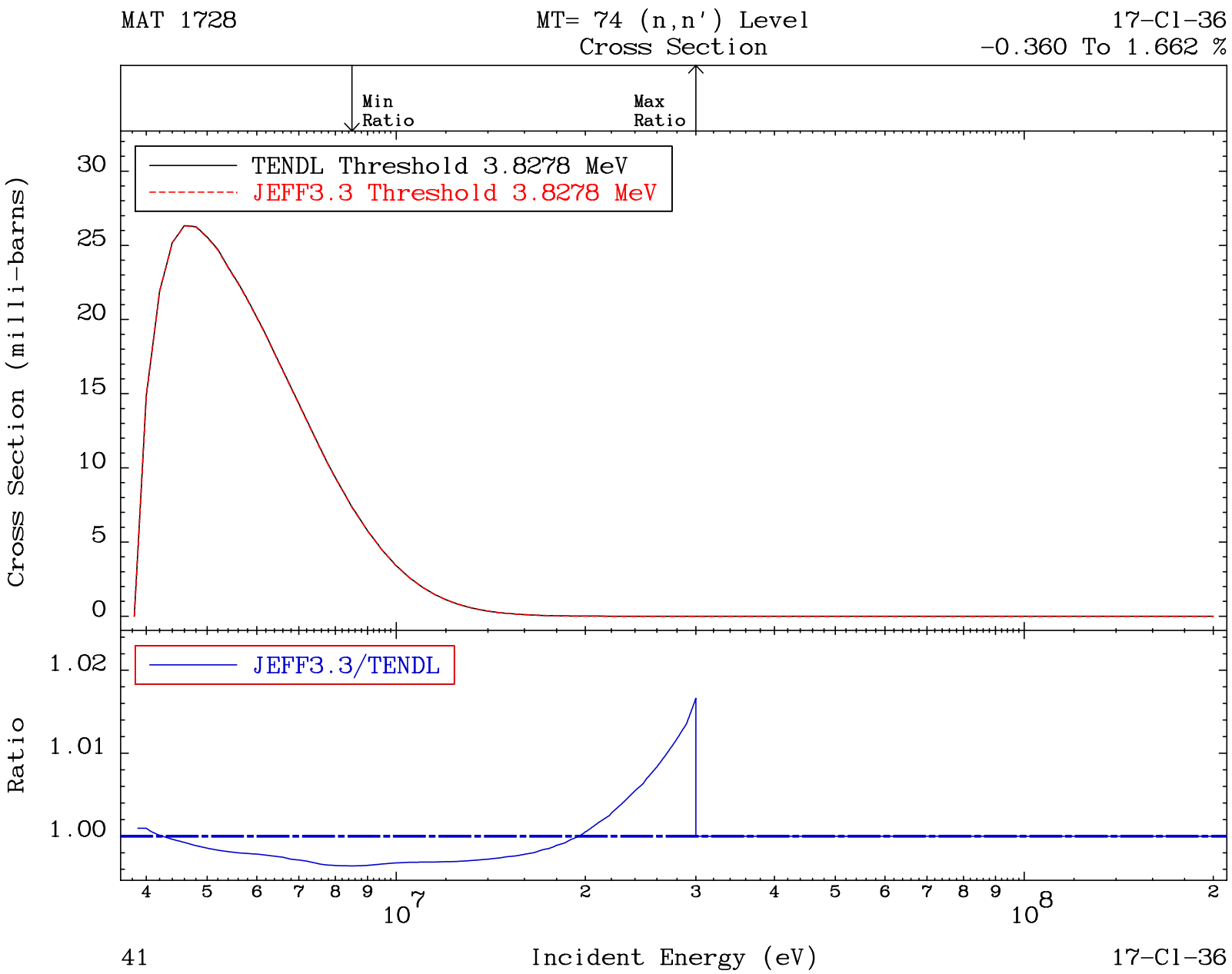

MAT 1728
MT= 69 (n,n') Level
Cross Section
17-Cl-36
-0.693 To 0.002 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.6660 MeV
JEFF3.3 Threshold 3.6660 MeV
Cross Section (milli-barns)
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
36
Incident Energy (eV)
17-Cl-36

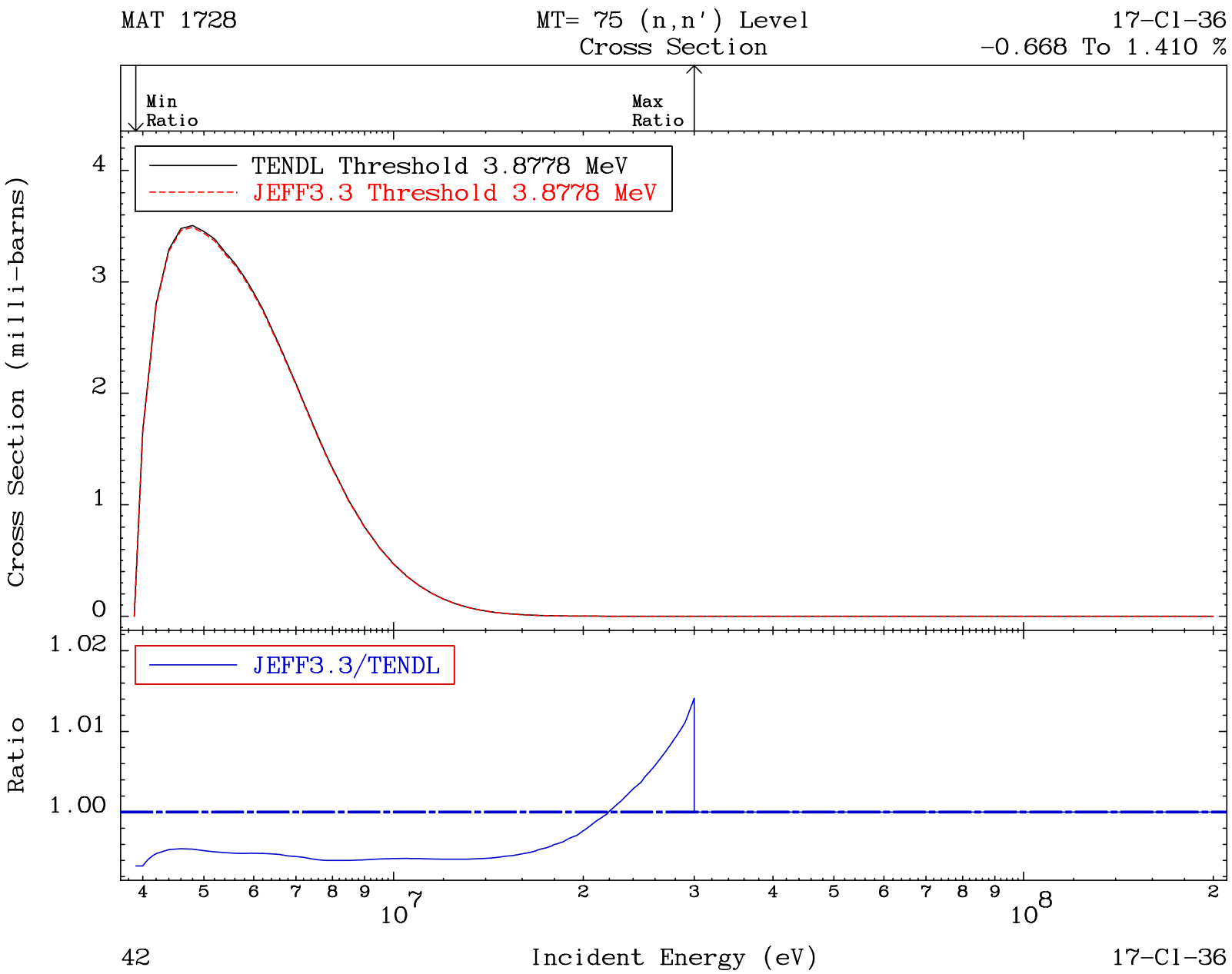

MAT 1728
MT= 70 (n,n') Level
Cross Section
17-Cl-36
-0.455 To 0.005 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.7005 MeV
JEFF3.3 Threshold 3.7005 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
37
Incident Energy (eV)
17-Cl-36

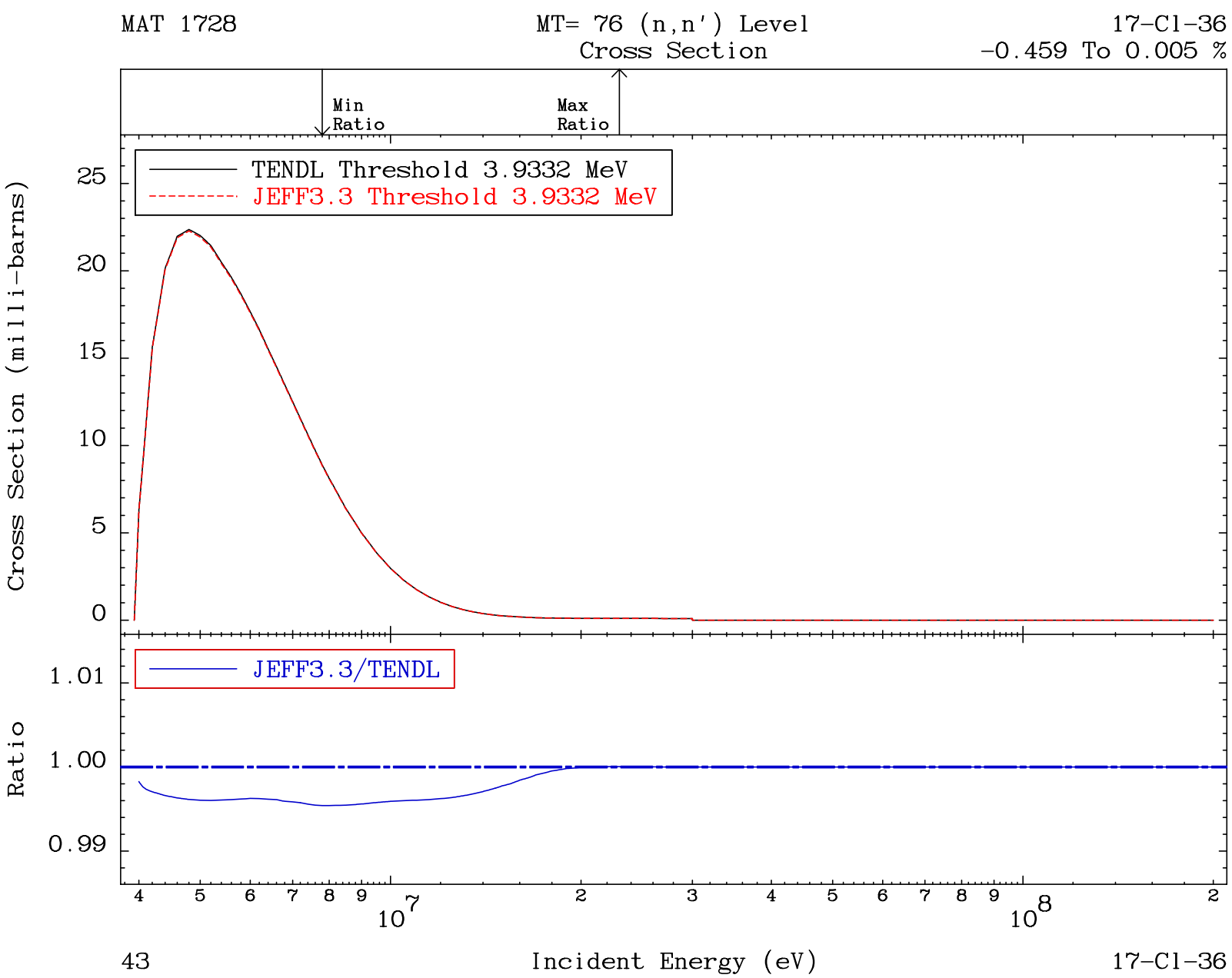

MAT 1728
MT= 71 (n,n') Level
Cross Section
17-Cl-36
-0.683 To 0.002 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.7369 MeV
JEFF3.3 Threshold 3.7369 MeV
Cross Section (milli-barns)
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
38
Incident Energy (eV)
17-Cl-36

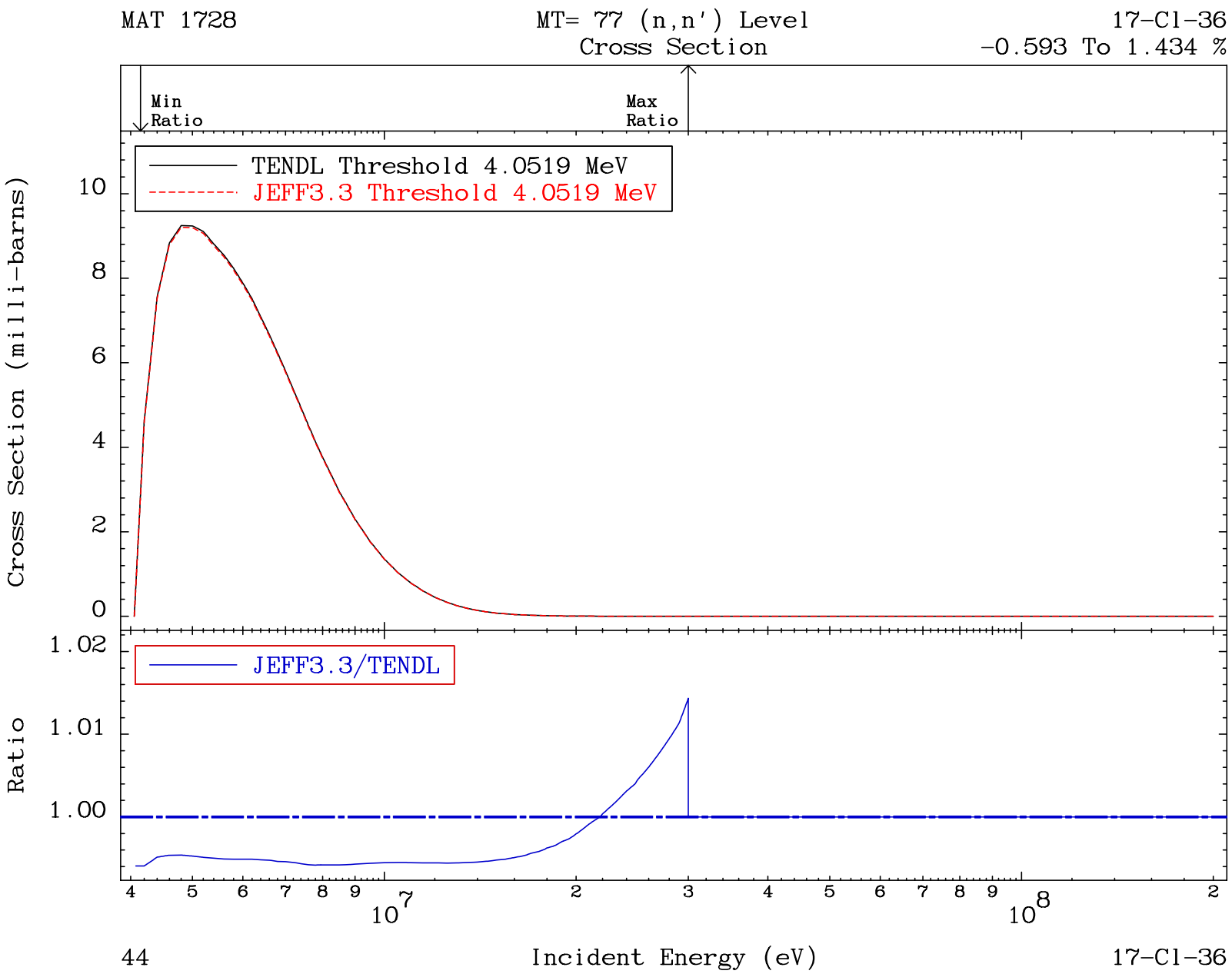

MAT 1728
MT= 72 (n,n') Level
Cross Section
17-Cl-36
-0.677 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.7630 MeV
JEFF3.3 Threshold 3.7630 MeV
Cross Section (milli-barns)
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
39
Incident Energy (eV)
17-Cl-36

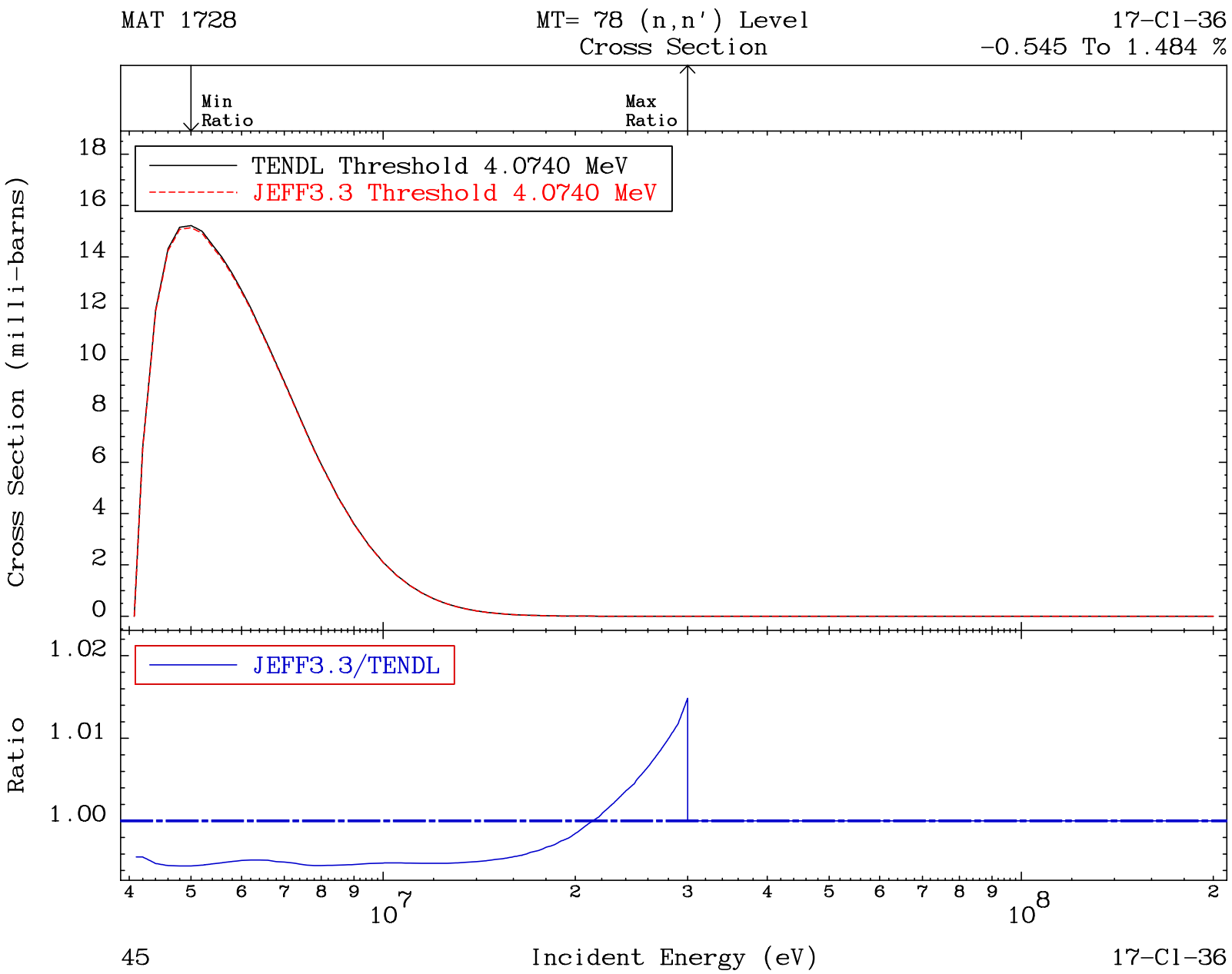

MAT 1728
MT= 73 (n,n') Level
Cross Section
17-Cl-36
-0.457 To 0.005 %
Min Ratio
Max Ratio
TENDL Threshold 3.7955 MeV
JEFF3.3 Threshold 3.7955 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
40
Incident Energy (eV)
17-Cl-36

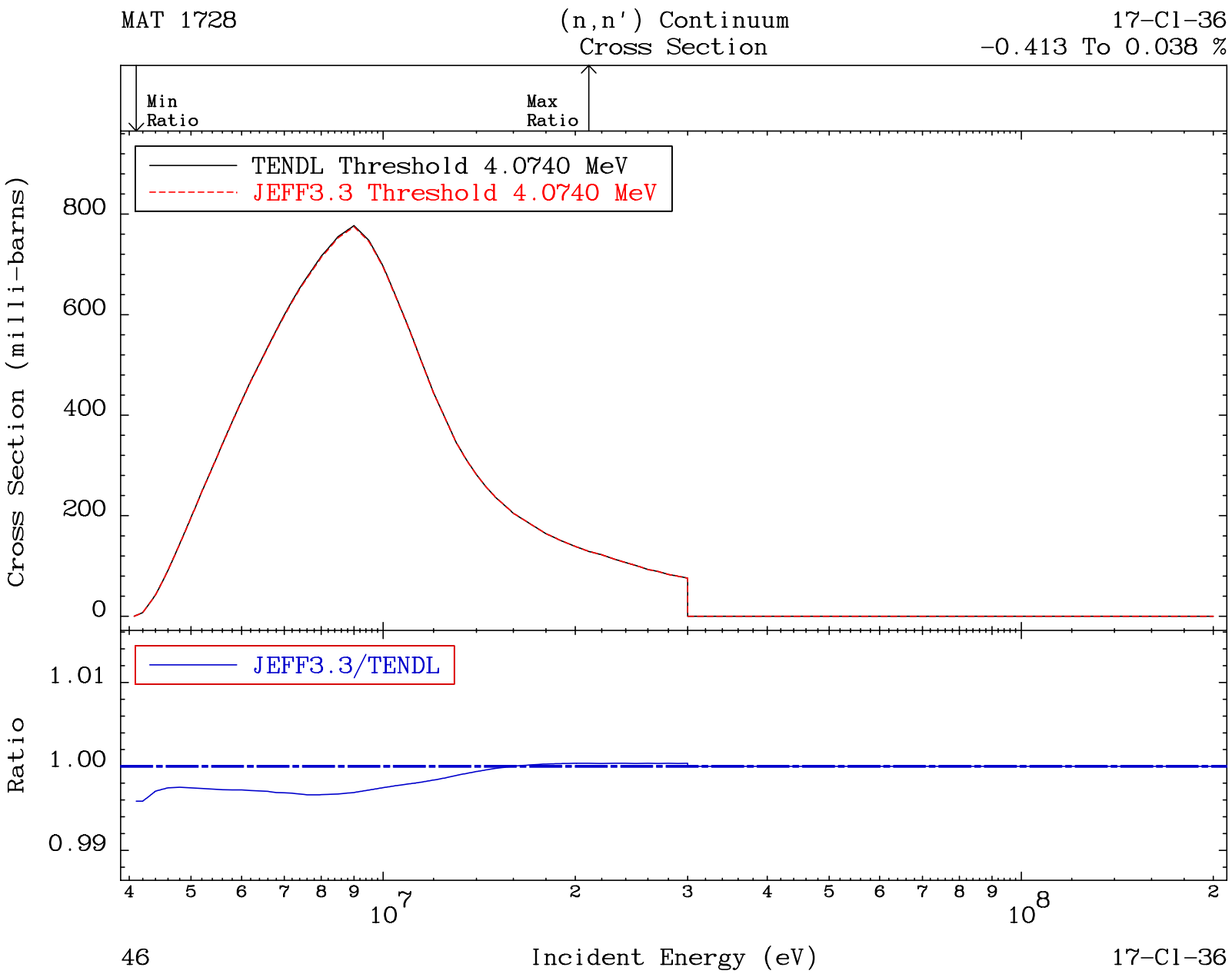

MAT 1728
MT= 74 (n,n') Level
Cross Section
17-Cl-36
-0.360 To 1.662 %
Min Ratio
Max Ratio
TENDL Threshold 3.8278 MeV
JEFF3.3 Threshold 3.8278 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
41
Incident Energy (eV)
17-Cl-36

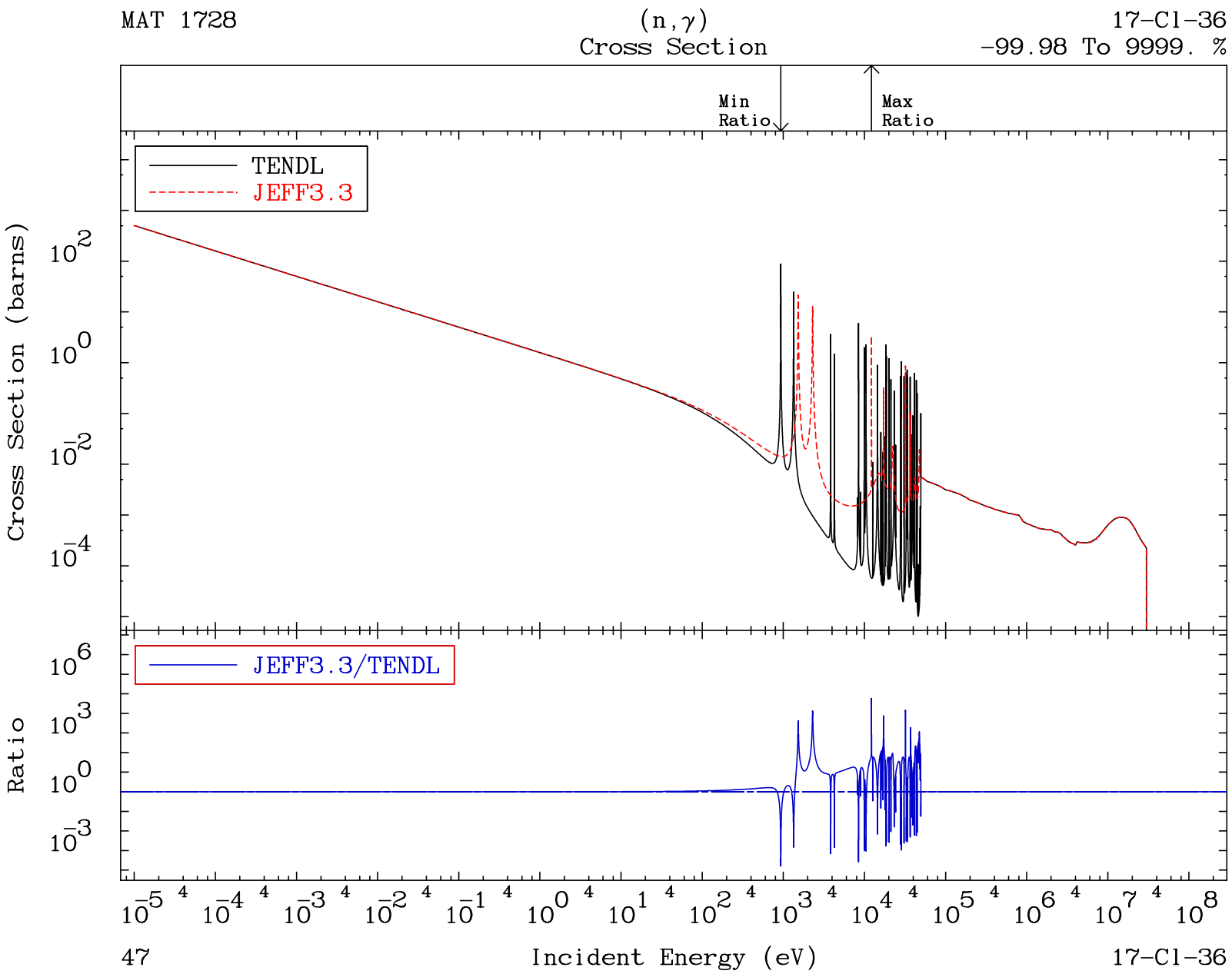

MAT 1728
MT= 75 (n,n') Level
Cross Section
17-Cl-36
-0.668 To 1.410 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.8778 MeV
JEFF3.3 Threshold 3.8778 MeV
Cross Section (milli-barns)
0
1
2
3
4
JEFF3.3/TENDL
Ratio
1.00
1.01
1.02
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
42
Incident Energy (eV)
17-Cl-36

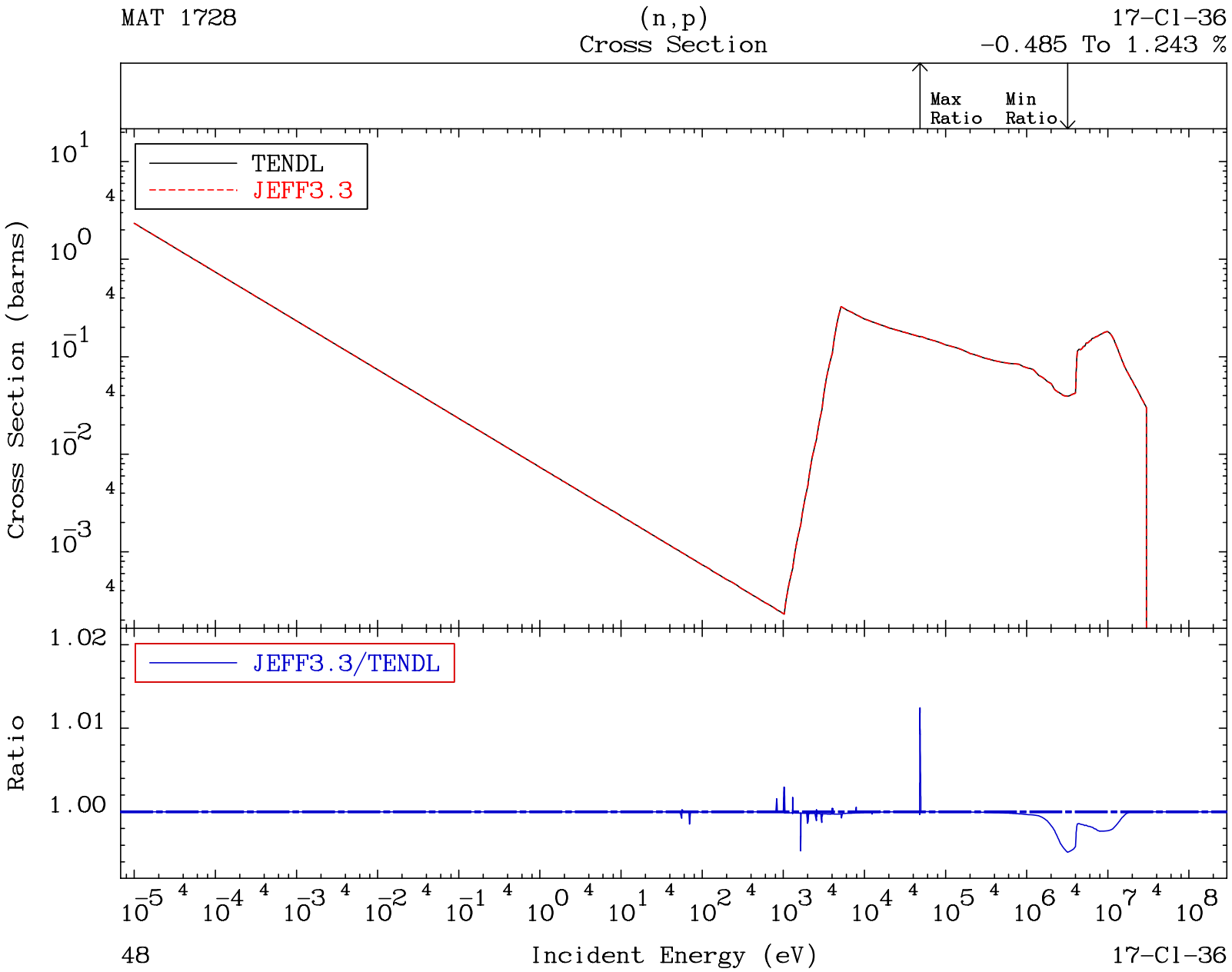

MAT 1728
MT= 76 (n,n') Level
Cross Section
17-Cl-36
-0.459 To 0.005 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.9332 MeV
JEFF3.3 Threshold 3.9332 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
43
Incident Energy (eV)
17-Cl-36

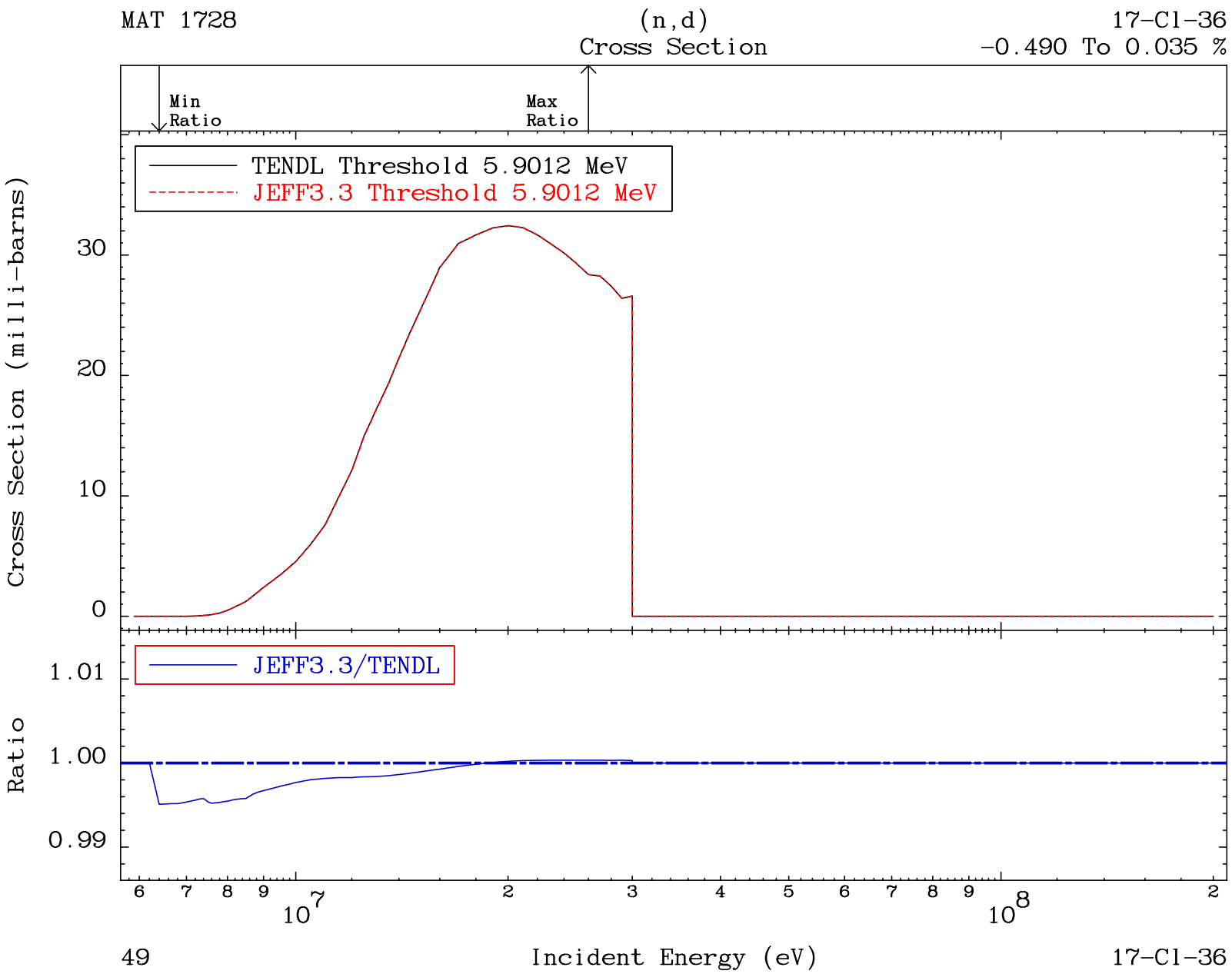

MAT 1728
MT= 77 (n,n') Level
Cross Section
17-Cl-36
-0.593 To 1.434 %
Min
Ratio
Max
Ratio
TENDL Threshold 4.0519 MeV
JEFF3.3 Threshold 4.0519 MeV
Cross Section (milli-barns)
10
8
6
4
2
0
1.02
1.01
1.00
Ratio
JEFF3.3/TENDL
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
44
Incident Energy (eV)
17-Cl-36

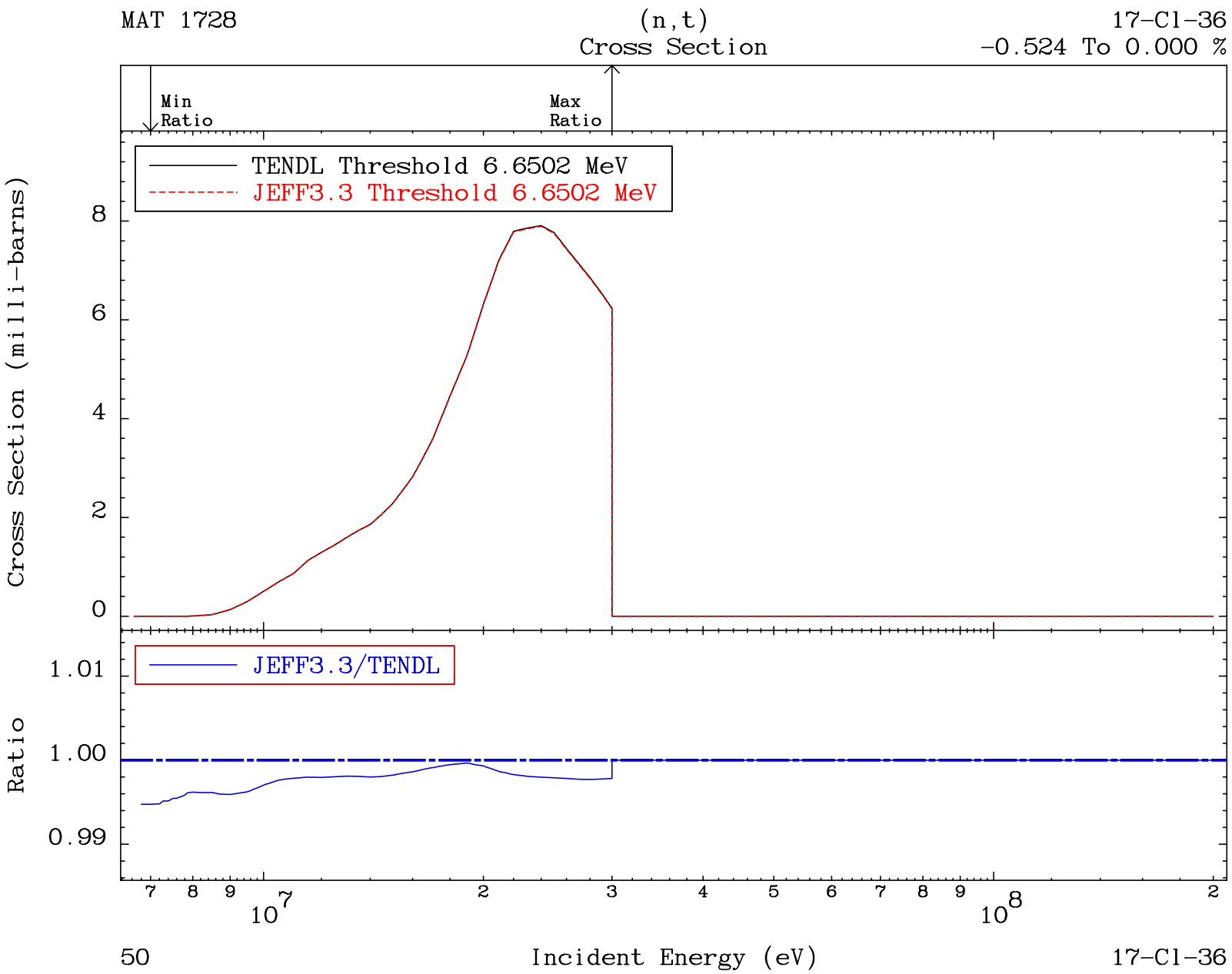

MAT 1728
MT= 78 (n,n') Level
Cross Section
17-Cl-36
-0.545 To 1.484 %
Min
Ratio
Max
Ratio
TENDL Threshold 4.0740 MeV
JEFF3.3 Threshold 4.0740 MeV
Cross Section (milli-barns)
18
16
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
45
Incident Energy (eV)
17-Cl-36

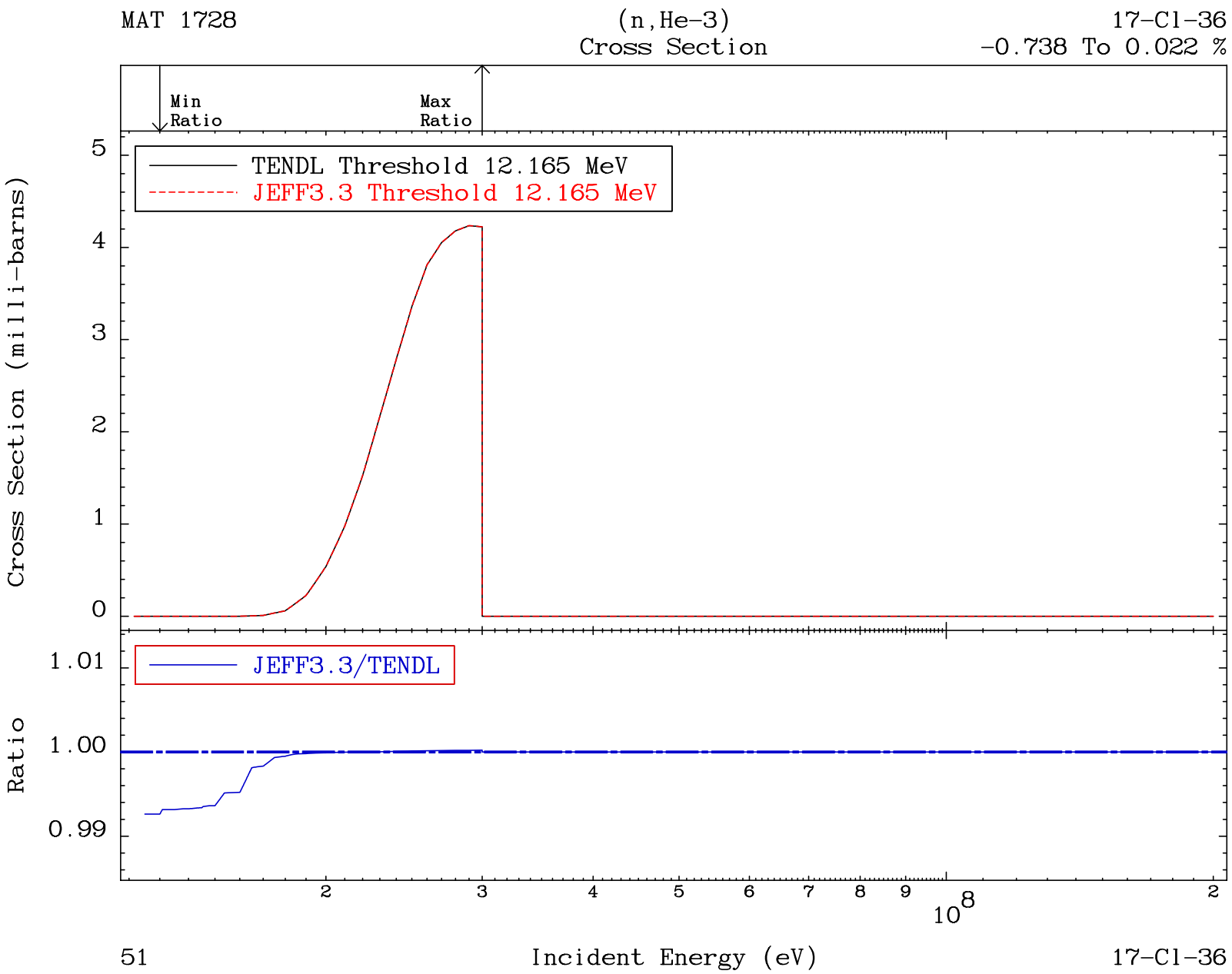

MAT 1728
(n,n') Continuum
Cross Section
17-Cl-36
-0.413 To 0.038 %
Min Ratio
Max Ratio
TENDL Threshold 4.0740 MeV
JEFF3.3 Threshold 4.0740 MeV
Cross Section (milli-barns)
800
600
400
200
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
46
Incident Energy (eV)
17-Cl-36

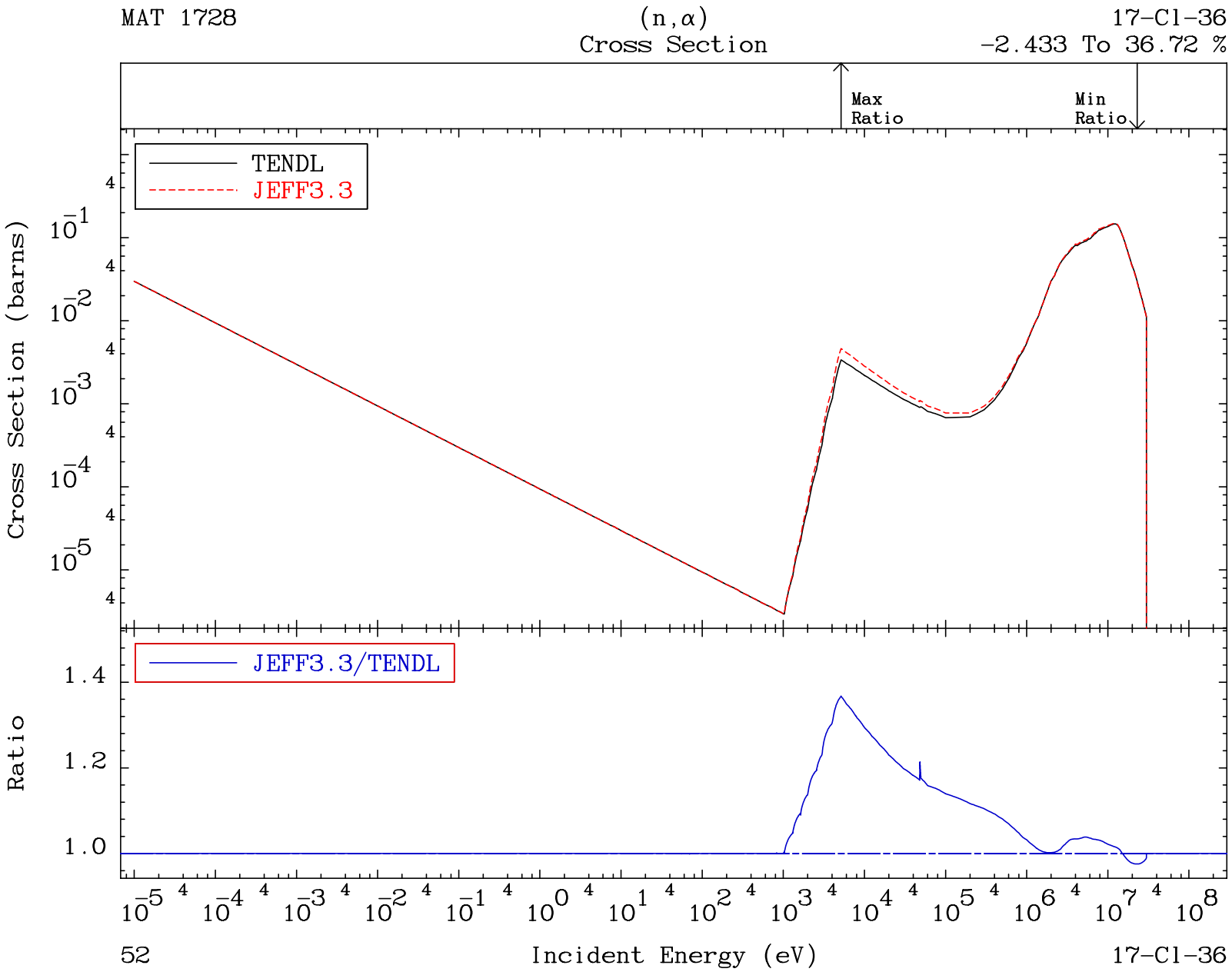

MAT 1728
(n,γ)
Cross Section
17-Cl-36
-99.98 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
47
17-Cl-36

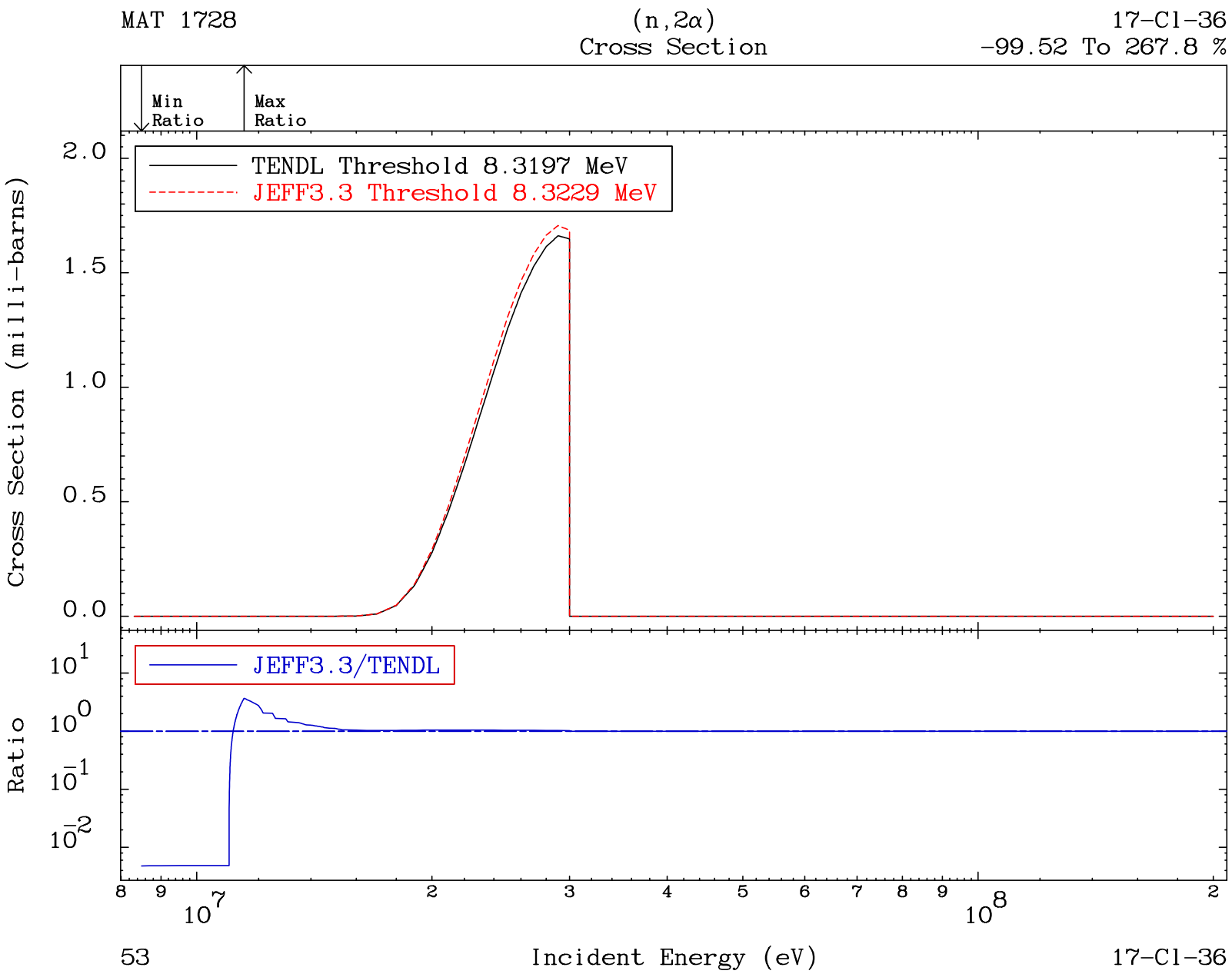

MAT 1728
(n,p)
Cross Section
17-Cl-36
-0.485 To 1.243 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
48
17-Cl-36

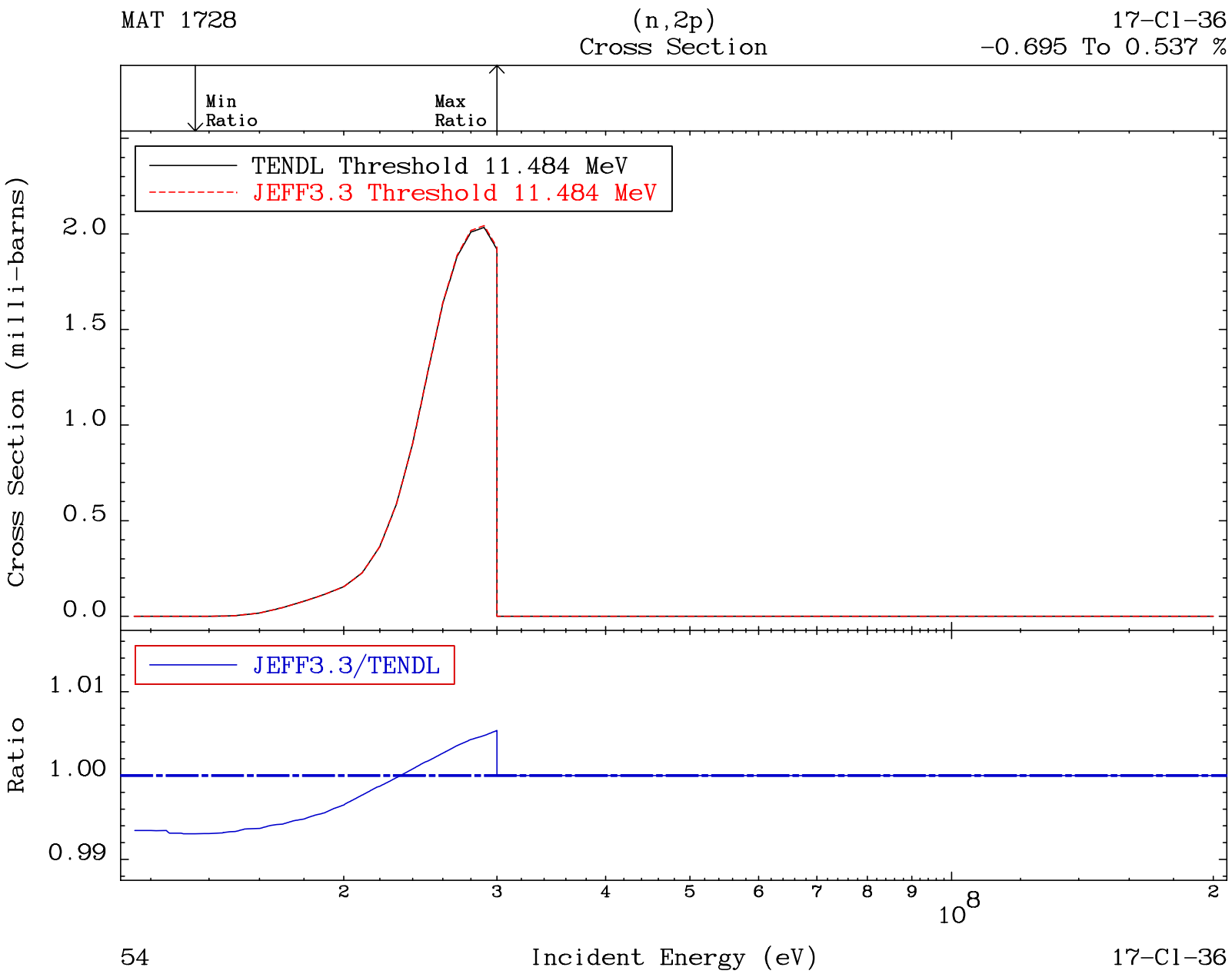

MAT 1728
(n,d)
Cross Section
17-Cl-36
-0.490 To 0.035 %
Min Ratio
Max Ratio
TENDL Threshold 5.9012 MeV
JEFF3.3 Threshold 5.9012 MeV
Cross Section (milli-barns)
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
49
Incident Energy (eV)
17-Cl-36

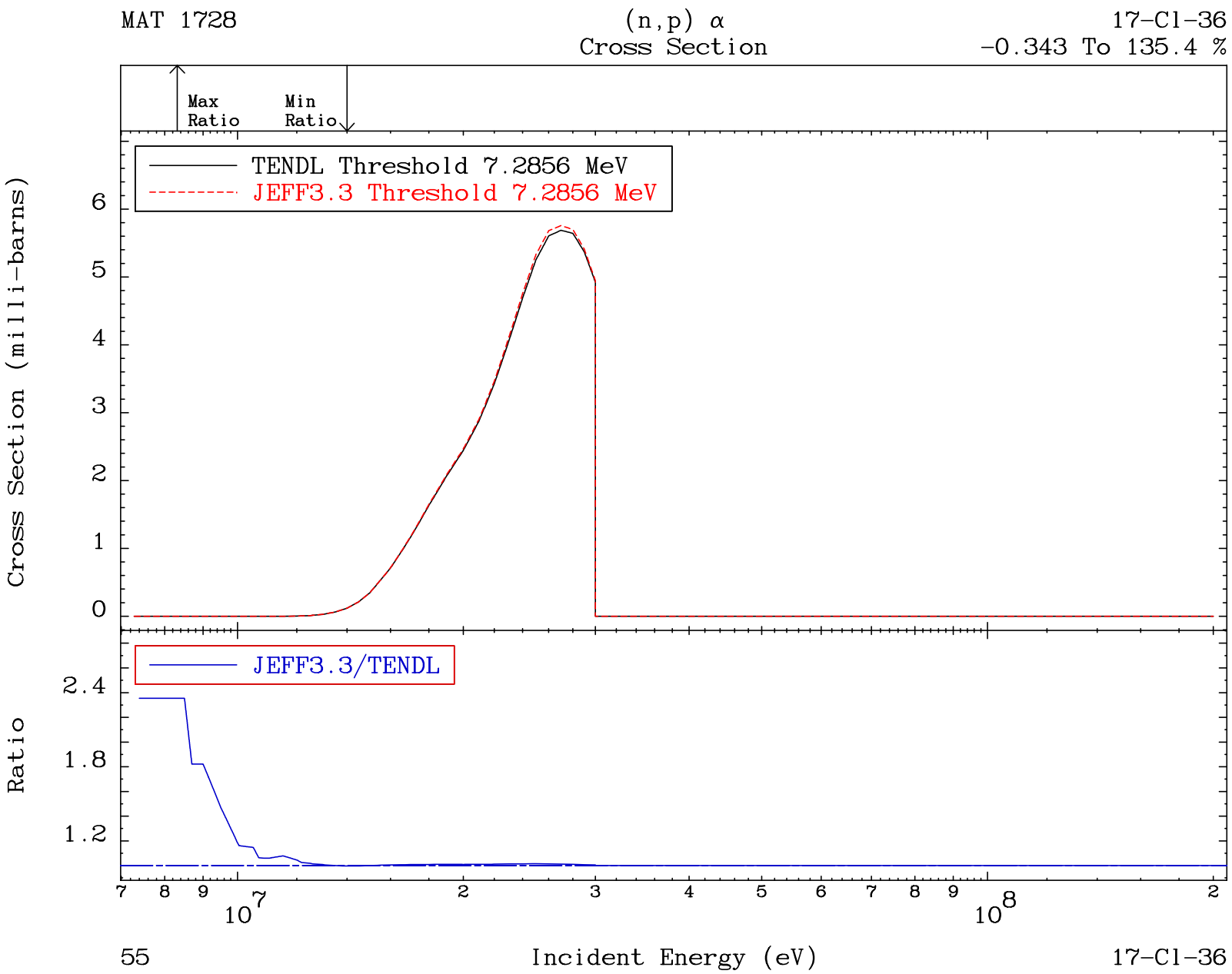

MAT 1728
(n,t)
Cross Section
17-Cl-36
-0.524 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 6.6502 MeV
JEFF3.3 Threshold 6.6502 MeV
Cross Section (milli-barns)
0
2
4
6
8
JEFF3.3/TENDL
Ratio
0.99
1.00
1.01
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
50
Incident Energy (eV)
17-Cl-36

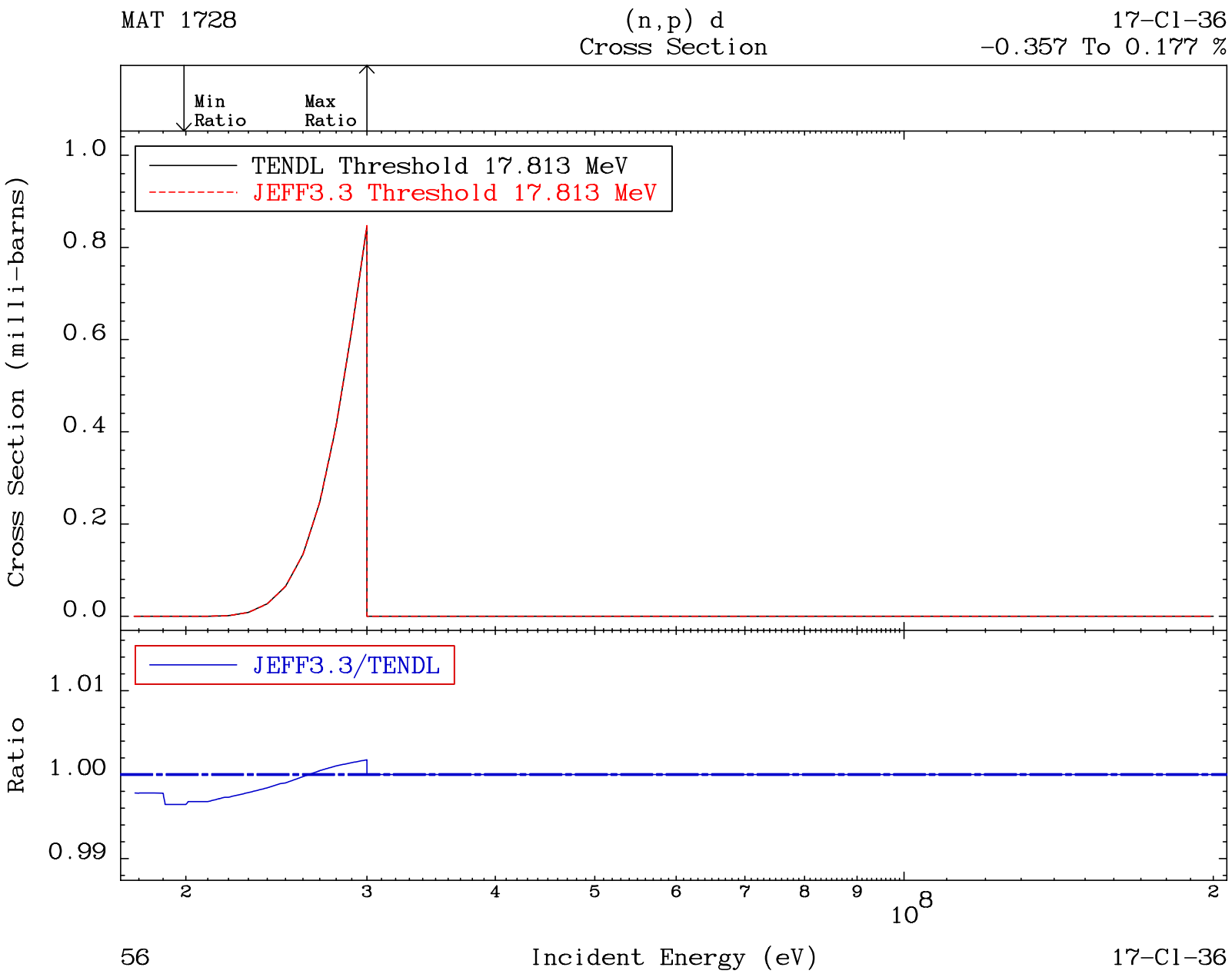

MAT 1728
(n,He-3)
Cross Section
17-Cl-36
-0.738 To 0.022 %
Min Ratio
Max Ratio
TENDL Threshold 12.165 MeV
JEFF3.3 Threshold 12.165 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
51
17-Cl-36

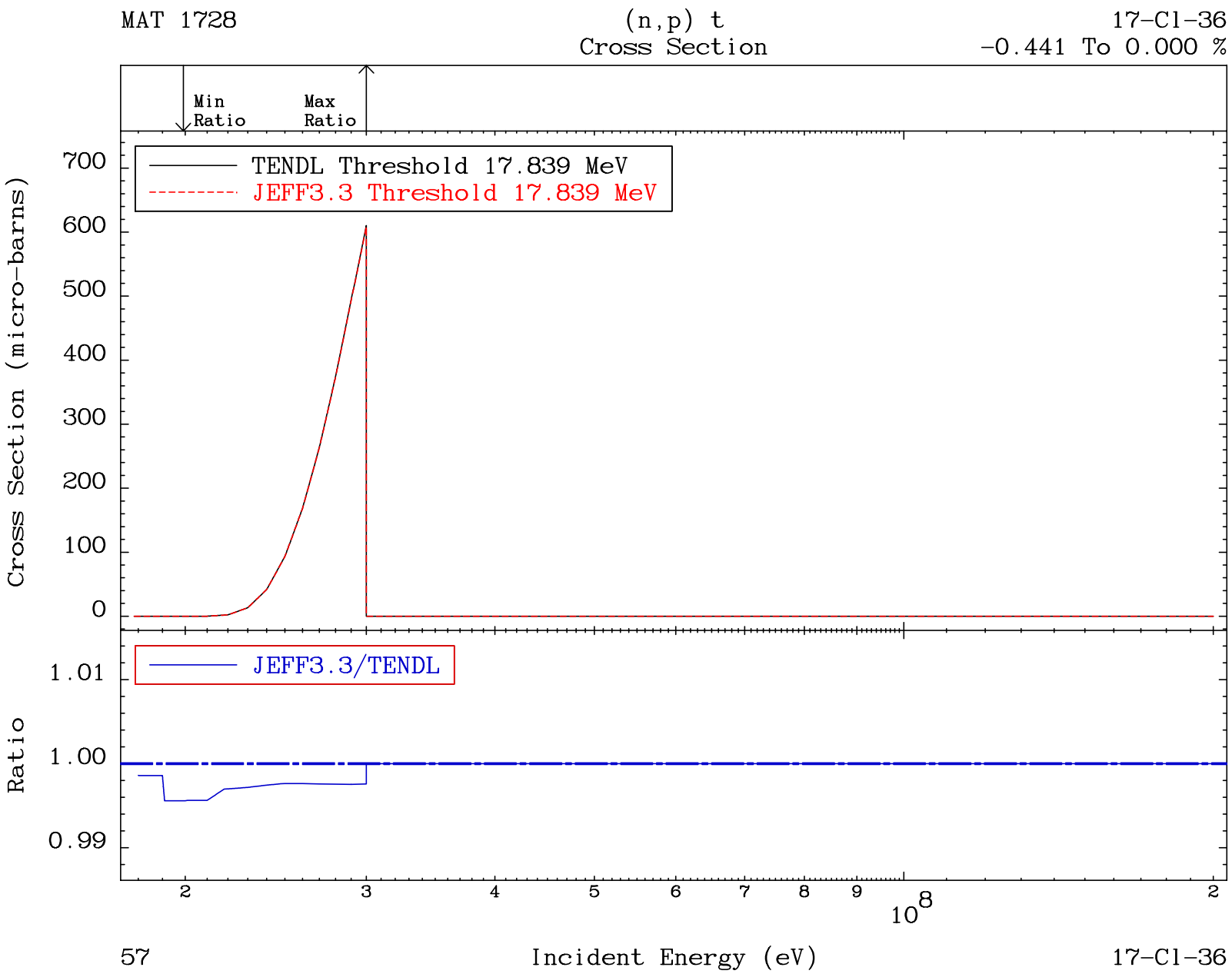

MAT 1728
(n,α)
Cross Section
17-Cl-36
-2.433 To 36.72 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
52
17-Cl-36

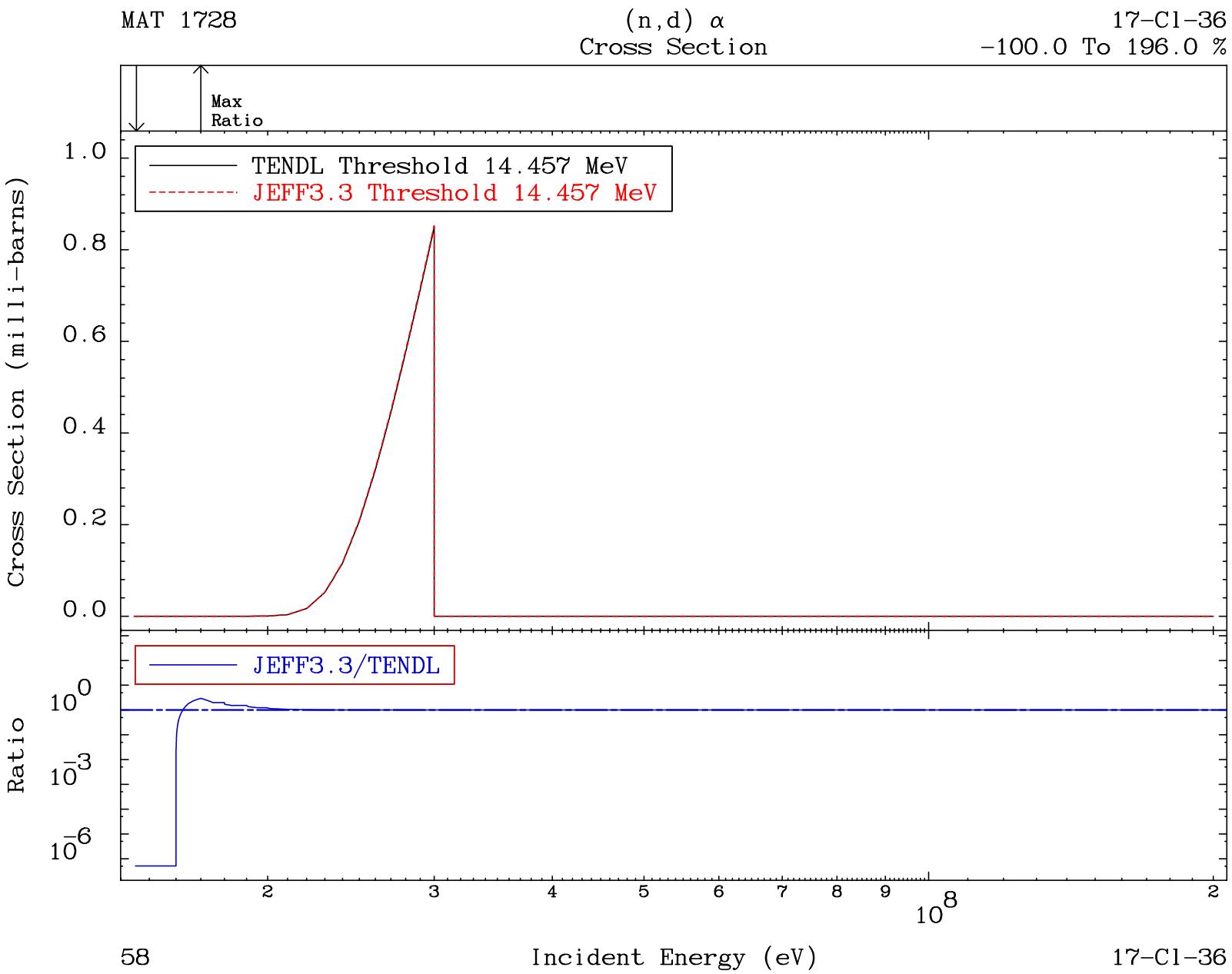

MAT 1728
(n,2α)
Cross Section
17-Cl-36
-99.52 To 267.8 %
Min Ratio
Max Ratio
TENDL Threshold 8.3197 MeV
JEFF3.3 Threshold 8.3229 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^1
10^0
10^-1
10^-2
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
53
Incident Energy (eV)
17-Cl-36

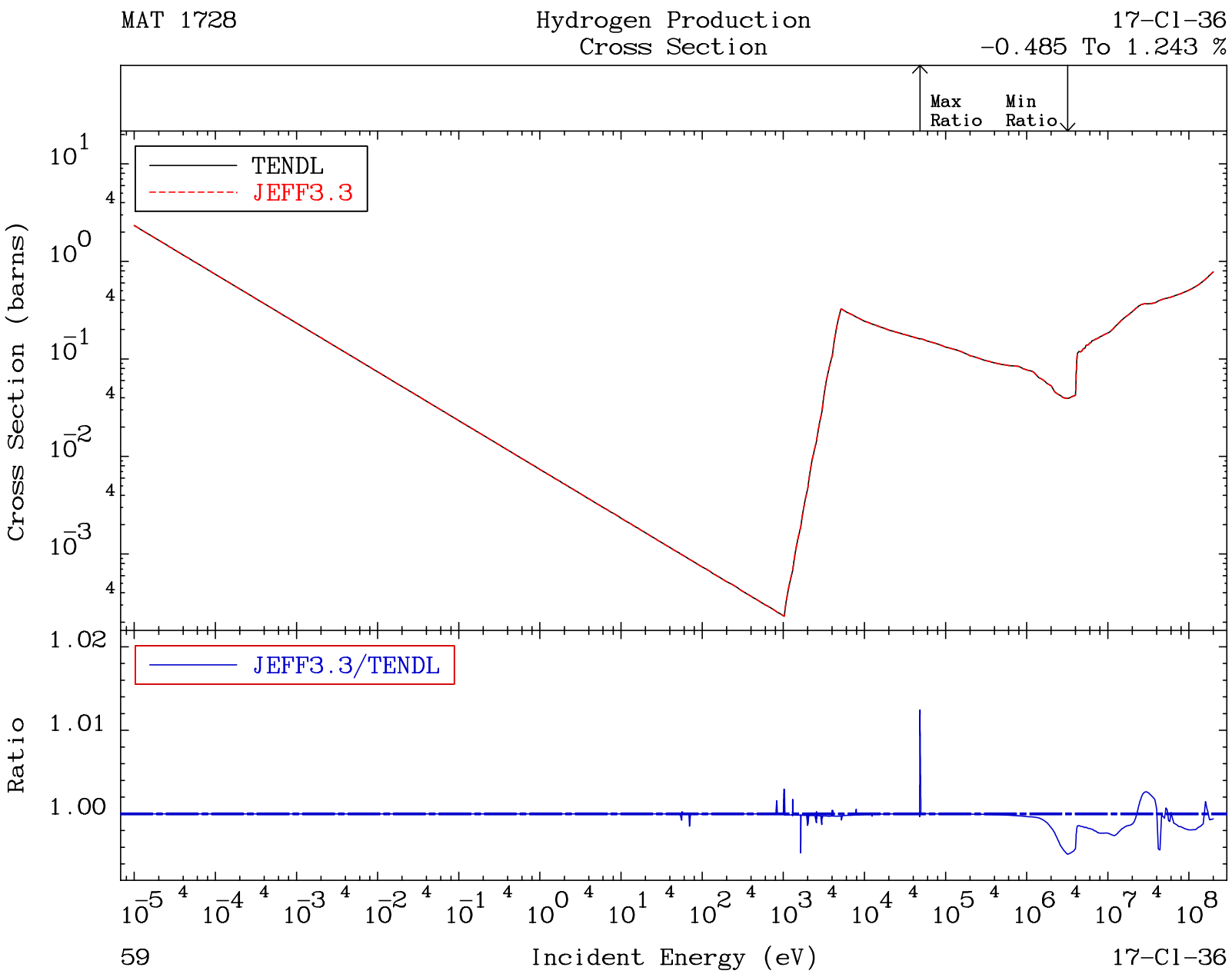

MAT 1728
(n,2p)
Cross Section
17-Cl-36
-0.695 To 0.537 %
Min Ratio
Max Ratio
TENDL Threshold 11.484 MeV
JEFF3.3 Threshold 11.484 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
54
Incident Energy (eV)
17-Cl-36

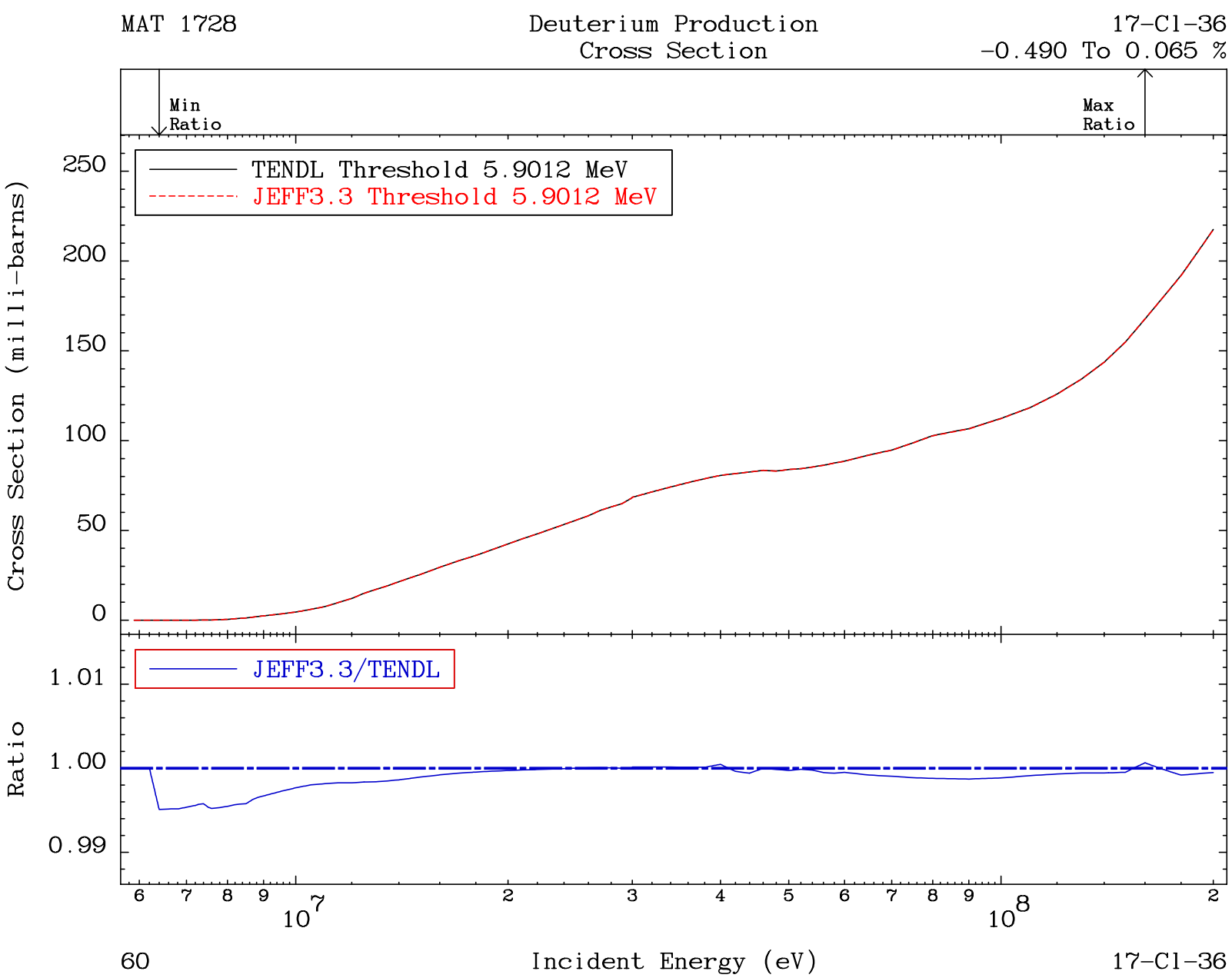

MAT 1728
(n,p) α
Cross Section
17-Cl-36
-0.343 To 135.4 %
Max Ratio
Min Ratio
TENDL Threshold 7.2856 MeV
JEFF3.3 Threshold 7.2856 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
JEFF3.3/TENDL
Ratio
1.2
1.8
2.4
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
55
Incident Energy (eV)
17-Cl-36

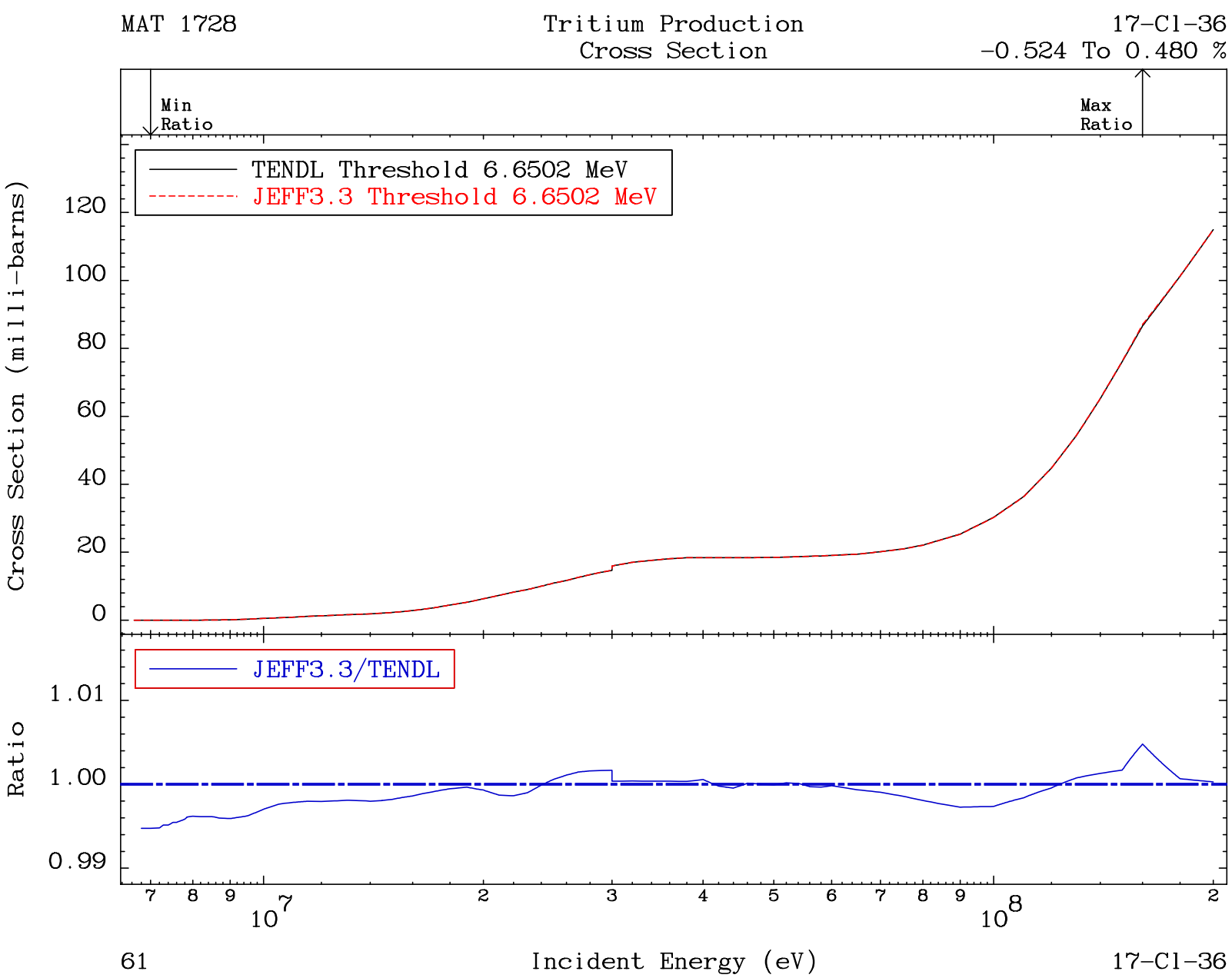

MAT 1728
(n,p) d
Cross Section
17-Cl-36
-0.357 To 0.177 %
Min Ratio
Max Ratio
TENDL Threshold 17.813 MeV
JEFF3.3 Threshold 17.813 MeV
Cross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
56
Incident Energy (eV)
17-Cl-36

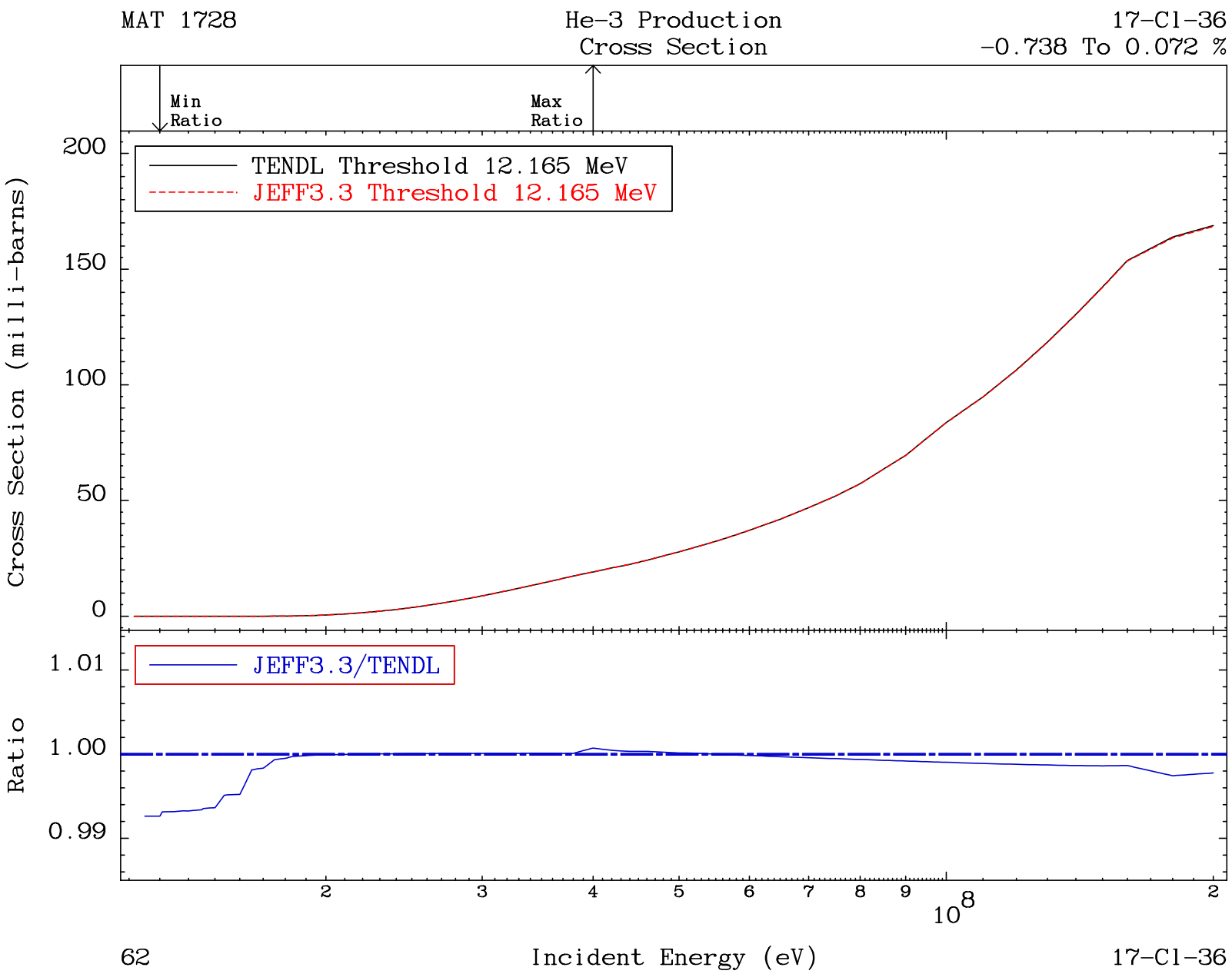

MAT 1728
(n,p) t
Cross Section
17-Cl-36
-0.441 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 17.839 MeV
JEFF3.3 Threshold 17.839 MeV
Cross Section (micro-barns)
700
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
57
Incident Energy (eV)
17-Cl-36

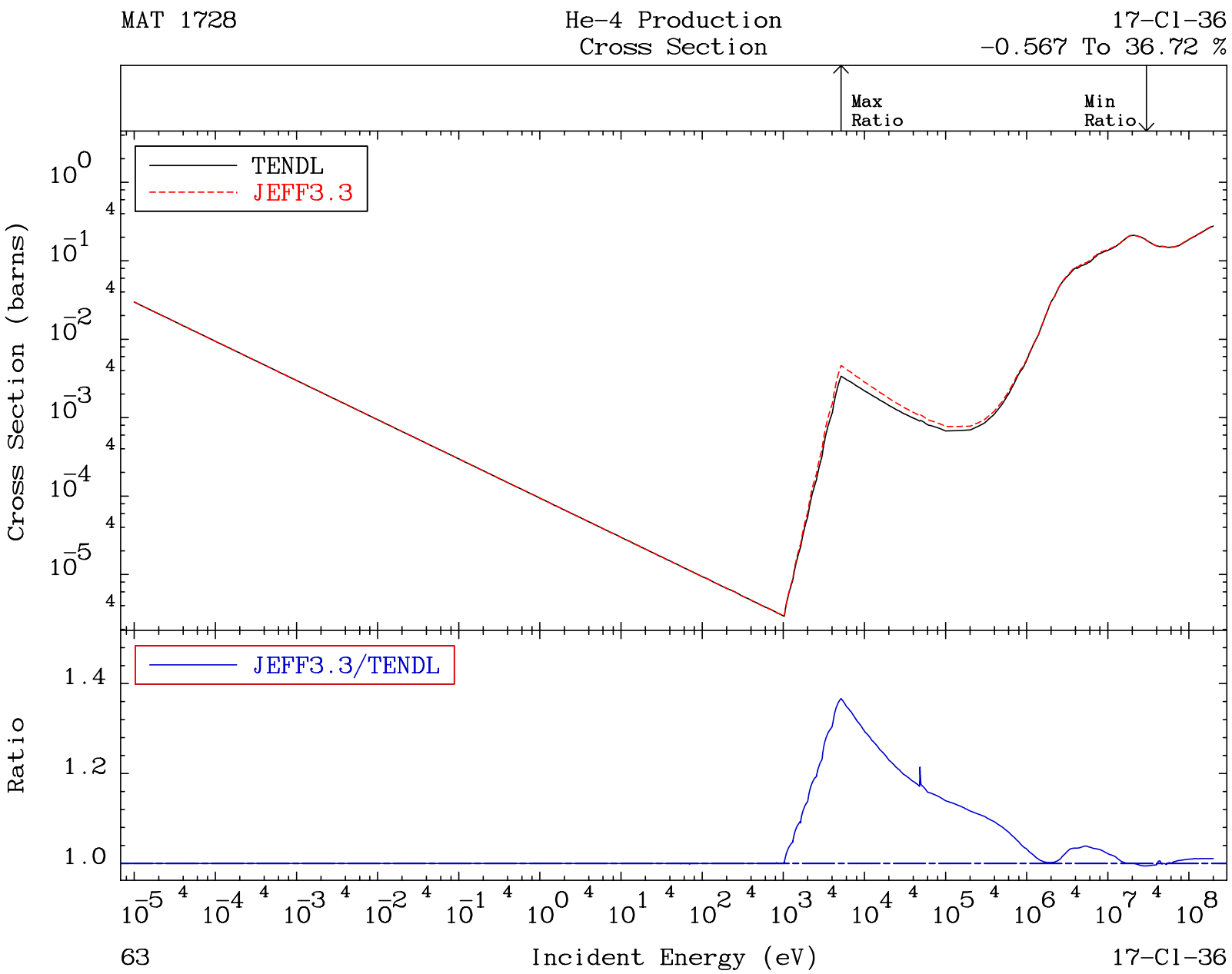

MAT 1728
(n,d) α
Cross Section
17-Cl-36
-100.0 To 196.0 %
Max
Ratio
TENDL Threshold 14.457 MeV
JEFF3.3 Threshold 14.457 MeV
Cross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
9
10^8
2
58
Incident Energy (eV)
17-Cl-36

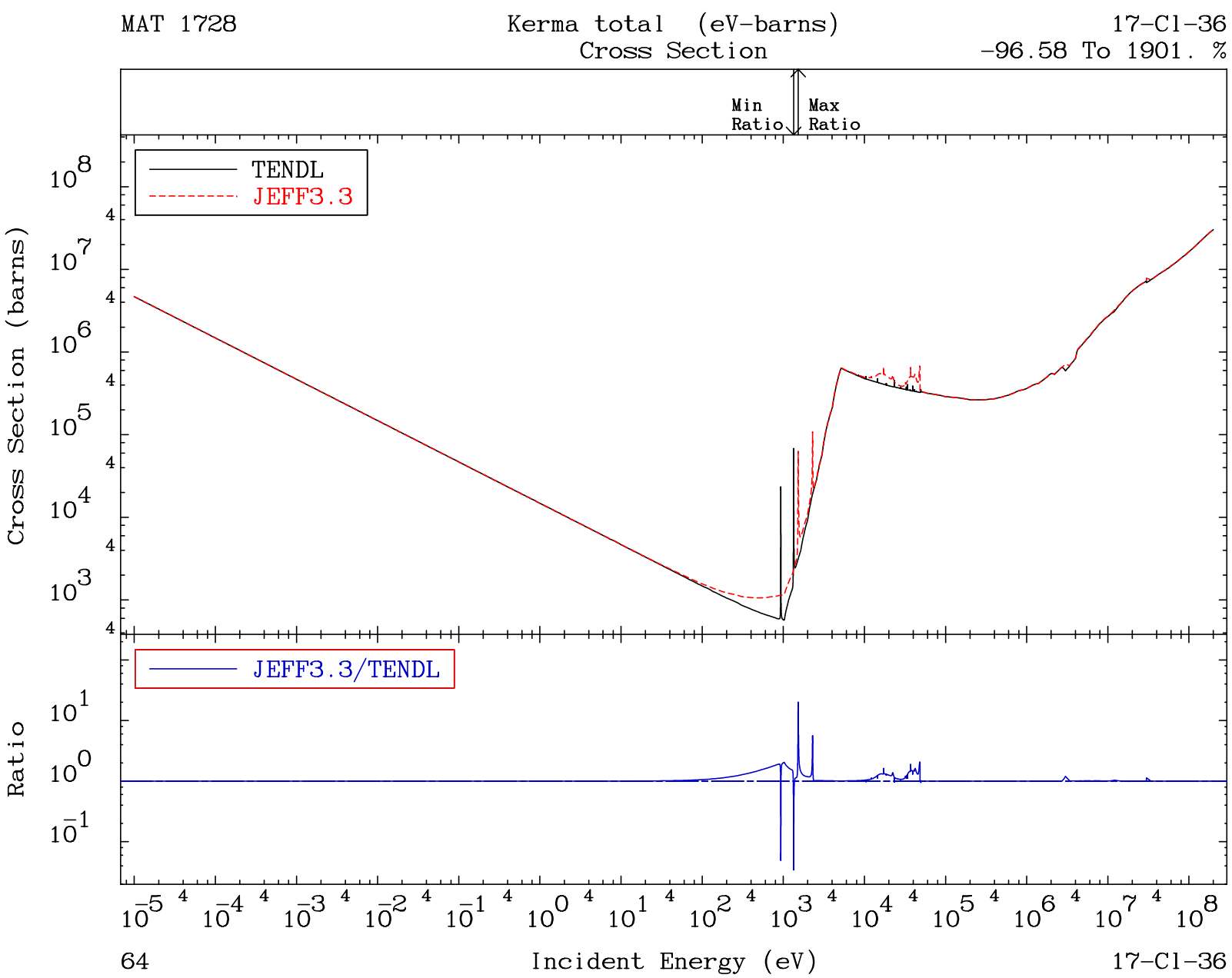

MAT 1728
Hydrogen Production
Cross Section
17-Cl-36
-0.485 To 1.243 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
59
17-Cl-36

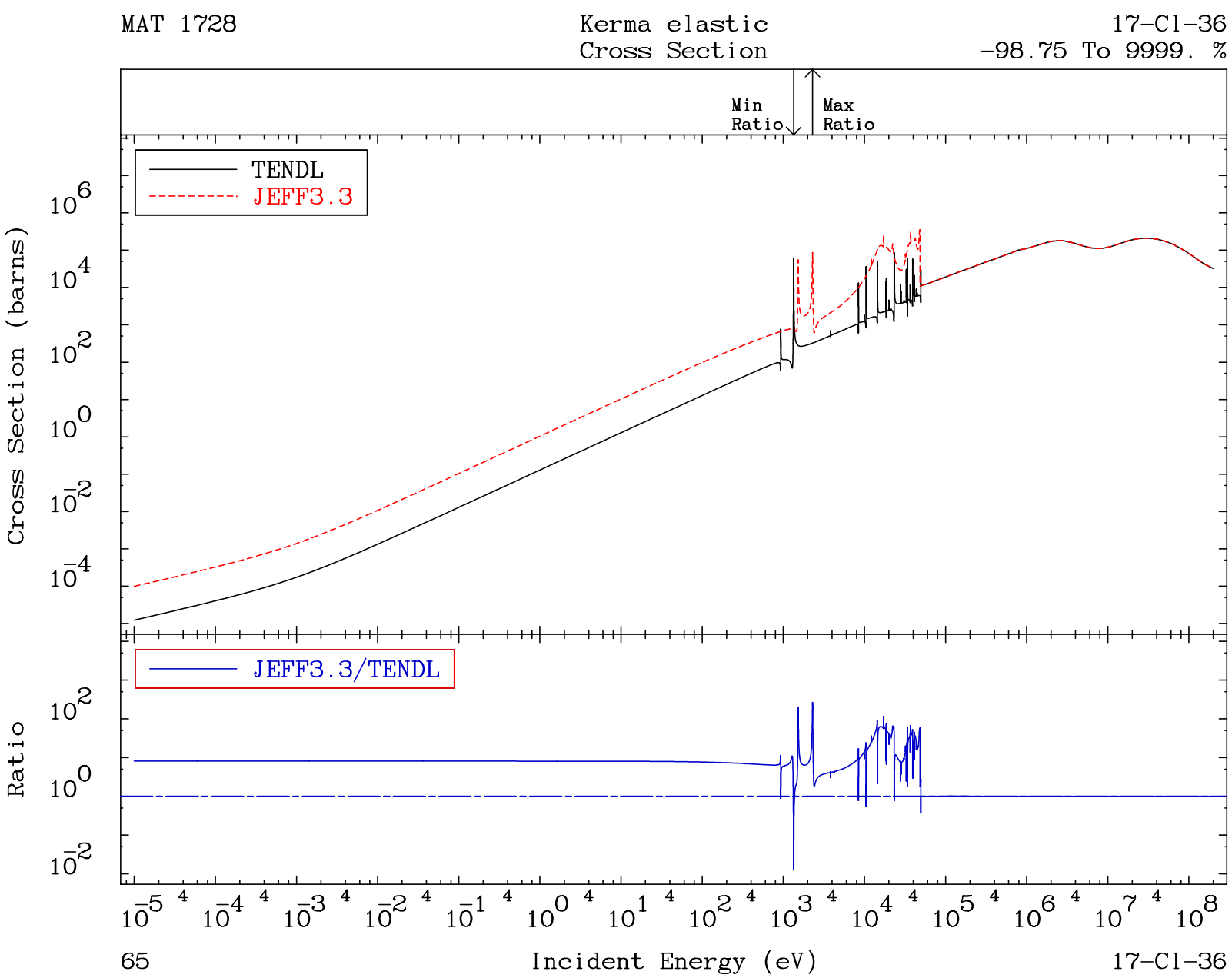

MAT 1728
Deuterium Production
Cross Section
17-Cl-36
-0.490 To 0.065 %
Min
Ratio
Max
Ratio
TENDL Threshold 5.9012 MeV
JEFF3.3 Threshold 5.9012 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
60
Incident Energy (eV)
17-Cl-36

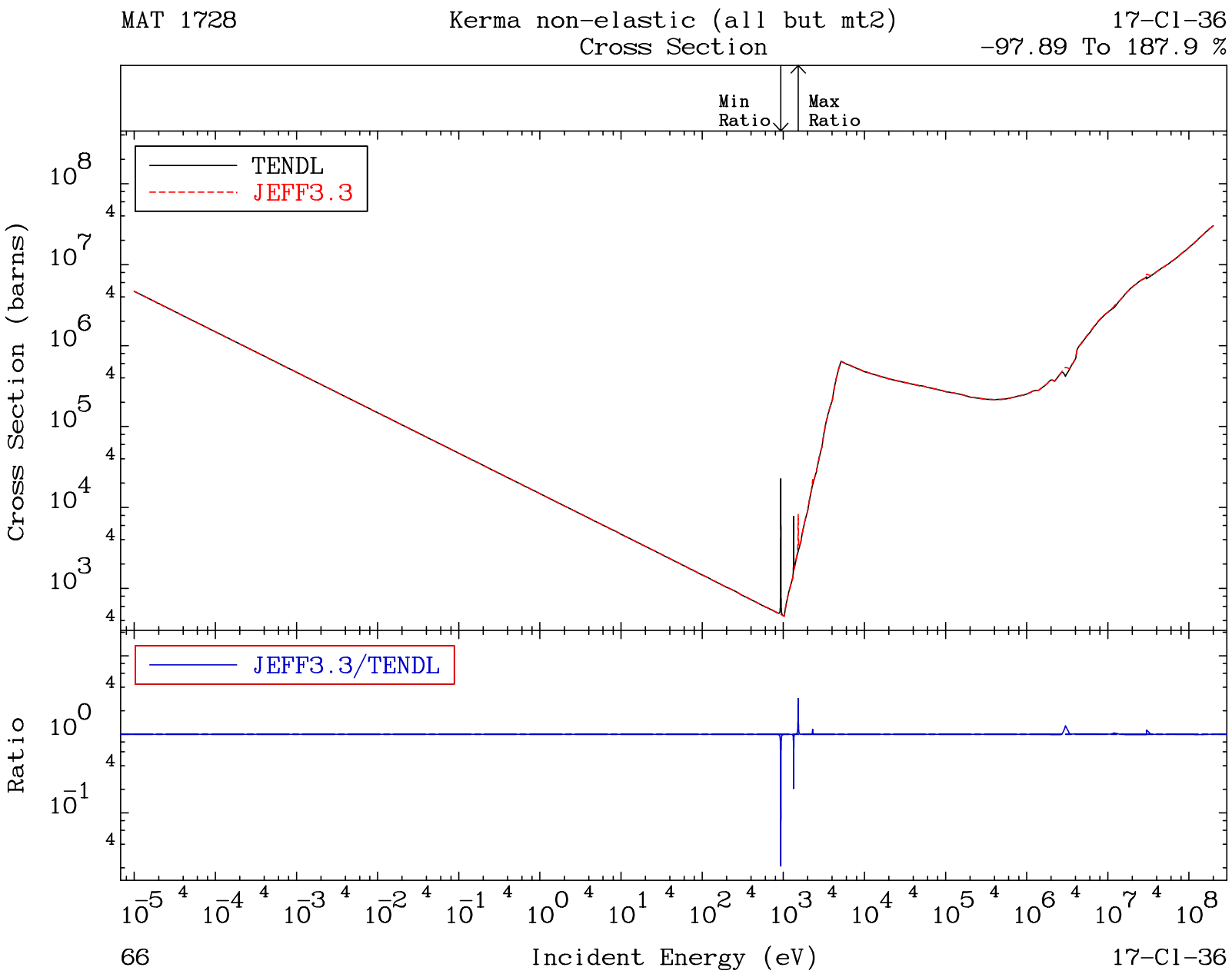

MAT 1728
Tritium Production
Cross Section
17-Cl-36
-0.524 To 0.480 %
Min Ratio
Max Ratio
TENDL Threshold 6.6502 MeV
JEFF3.3 Threshold 6.6502 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
61
Incident Energy (eV)
17-Cl-36

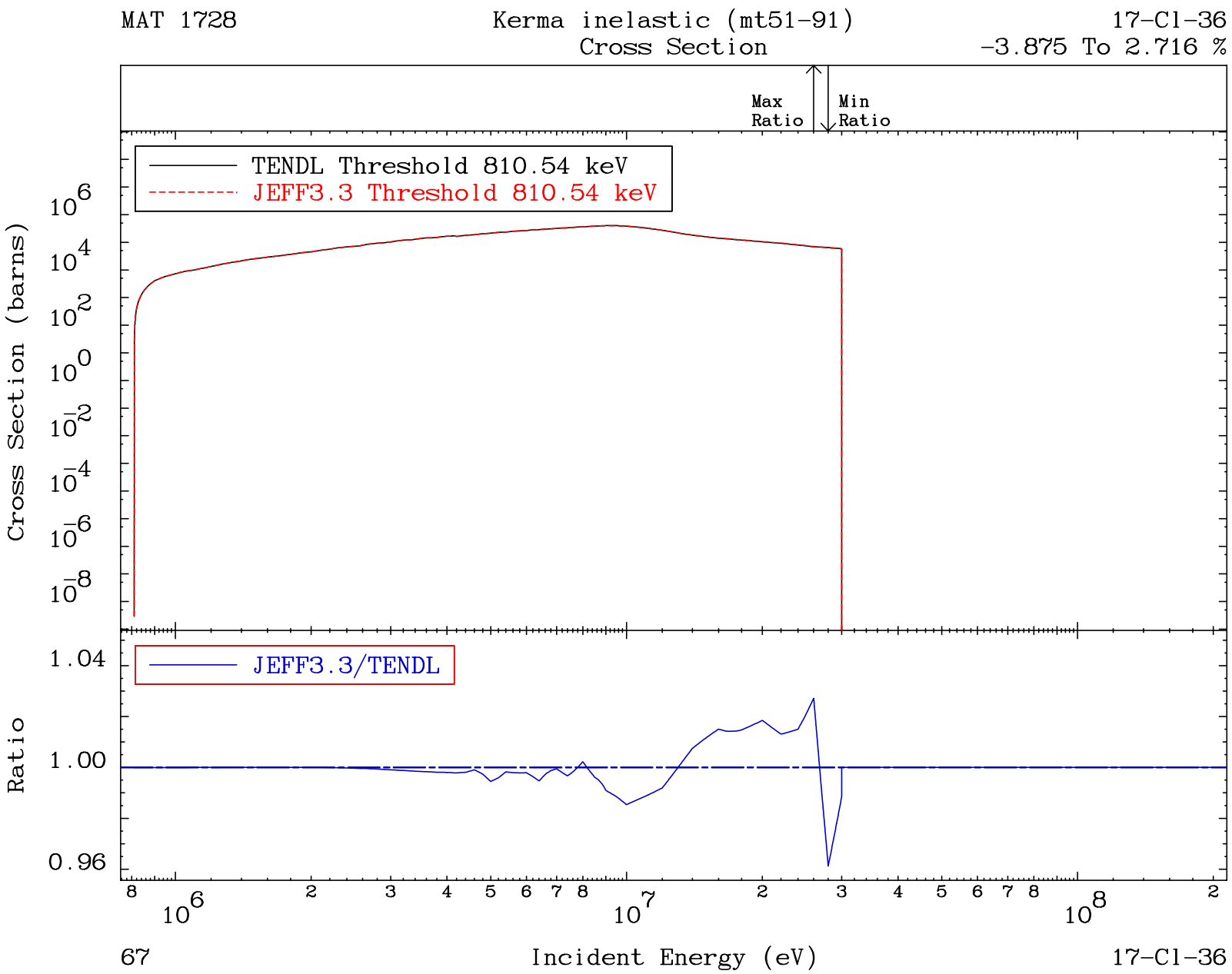

MAT 1728
He-3 Production
Cross Section
17-Cl-36
-0.738 To 0.072 %
Min Ratio
Max Ratio
TENDL Threshold 12.165 MeV
JEFF3.3 Threshold 12.165 MeV
Cross Section (milli-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
62
Incident Energy (eV)
17-Cl-36

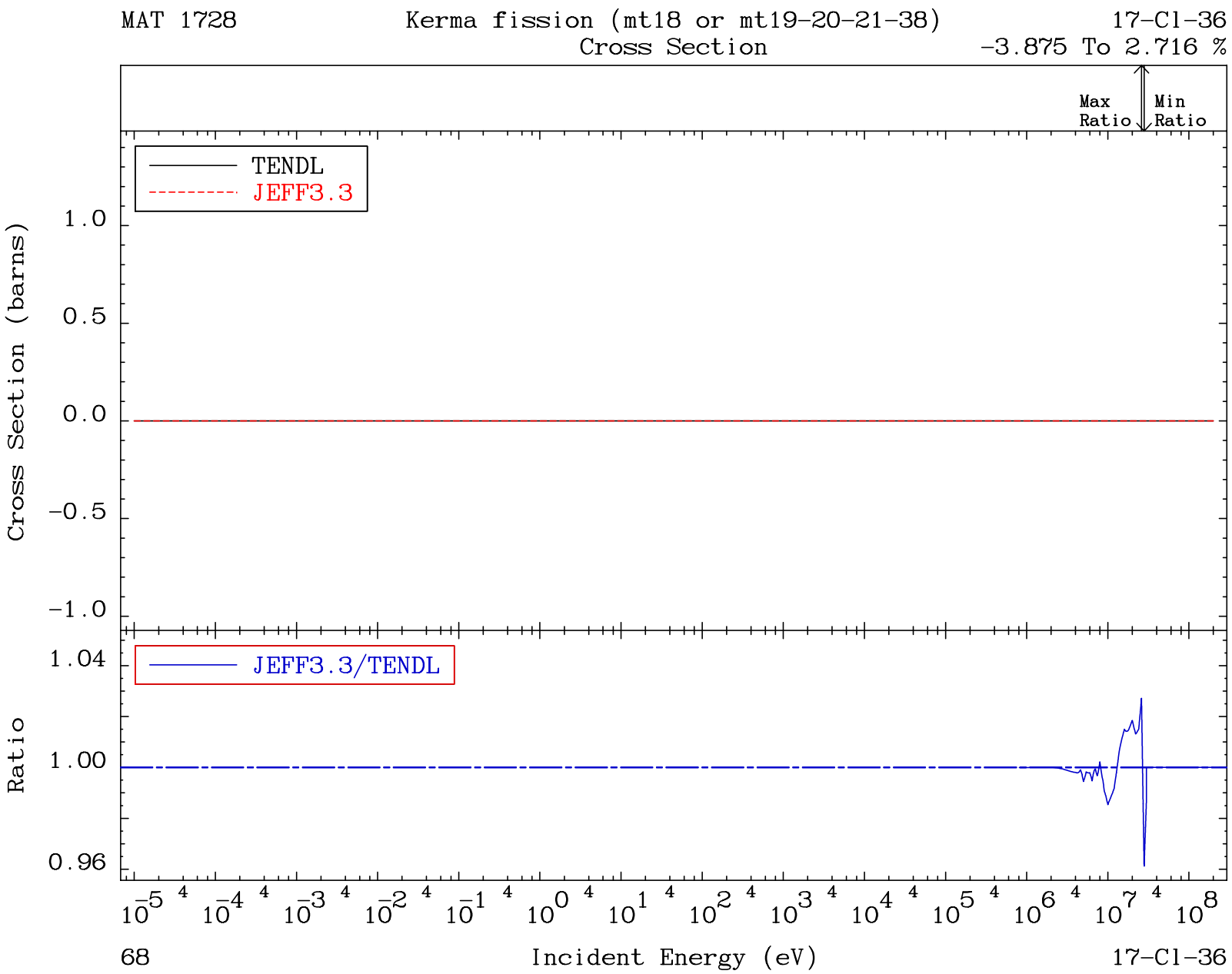

MAT 1728
He-4 Production
Cross Section
17-Cl-36
-0.567 To 36.72 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
63
17-Cl-36

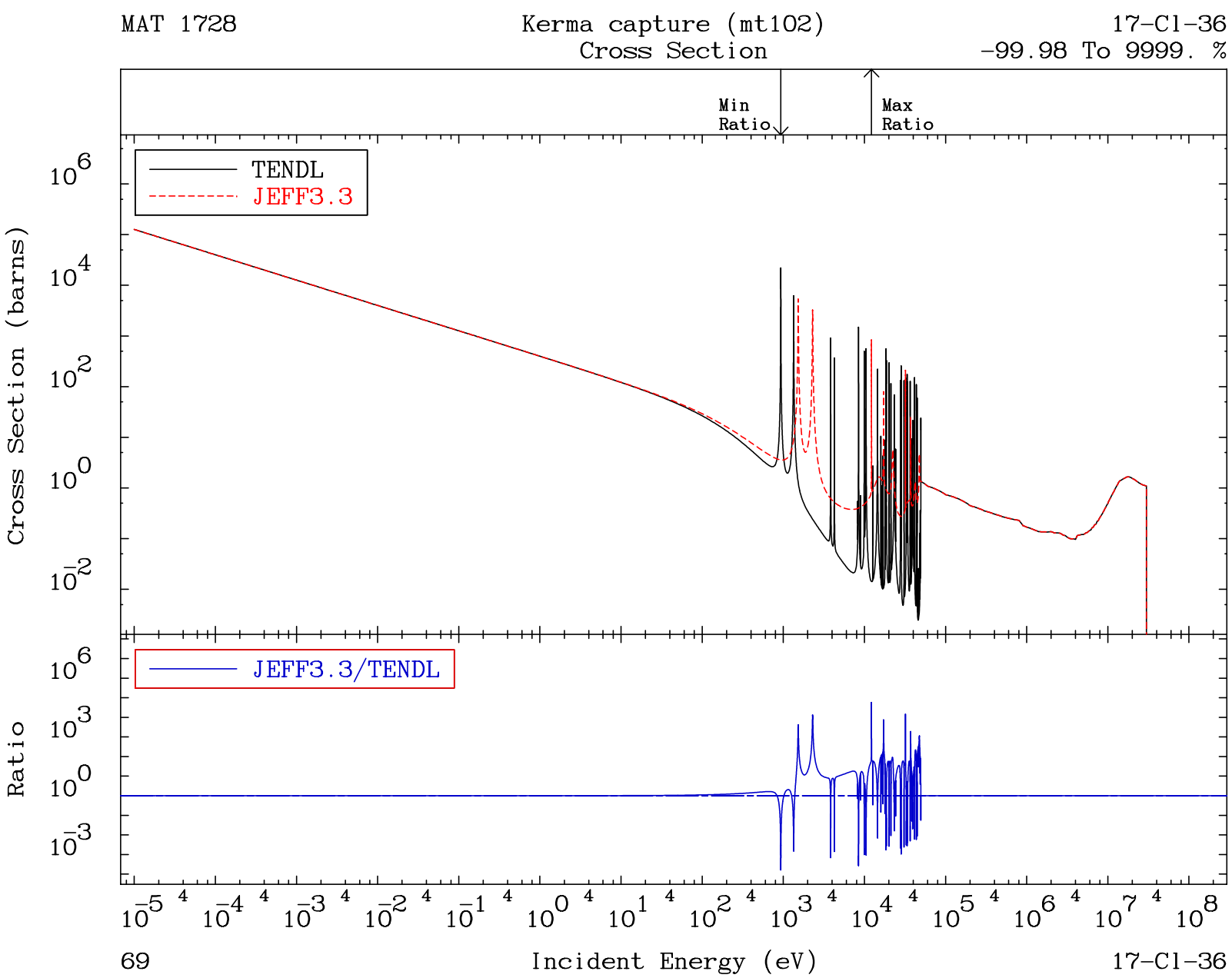

MAT 1728
Kerma total (eV-barns)
Cross Section
17-Cl-36
-96.58 To 1901. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
64
17-Cl-36

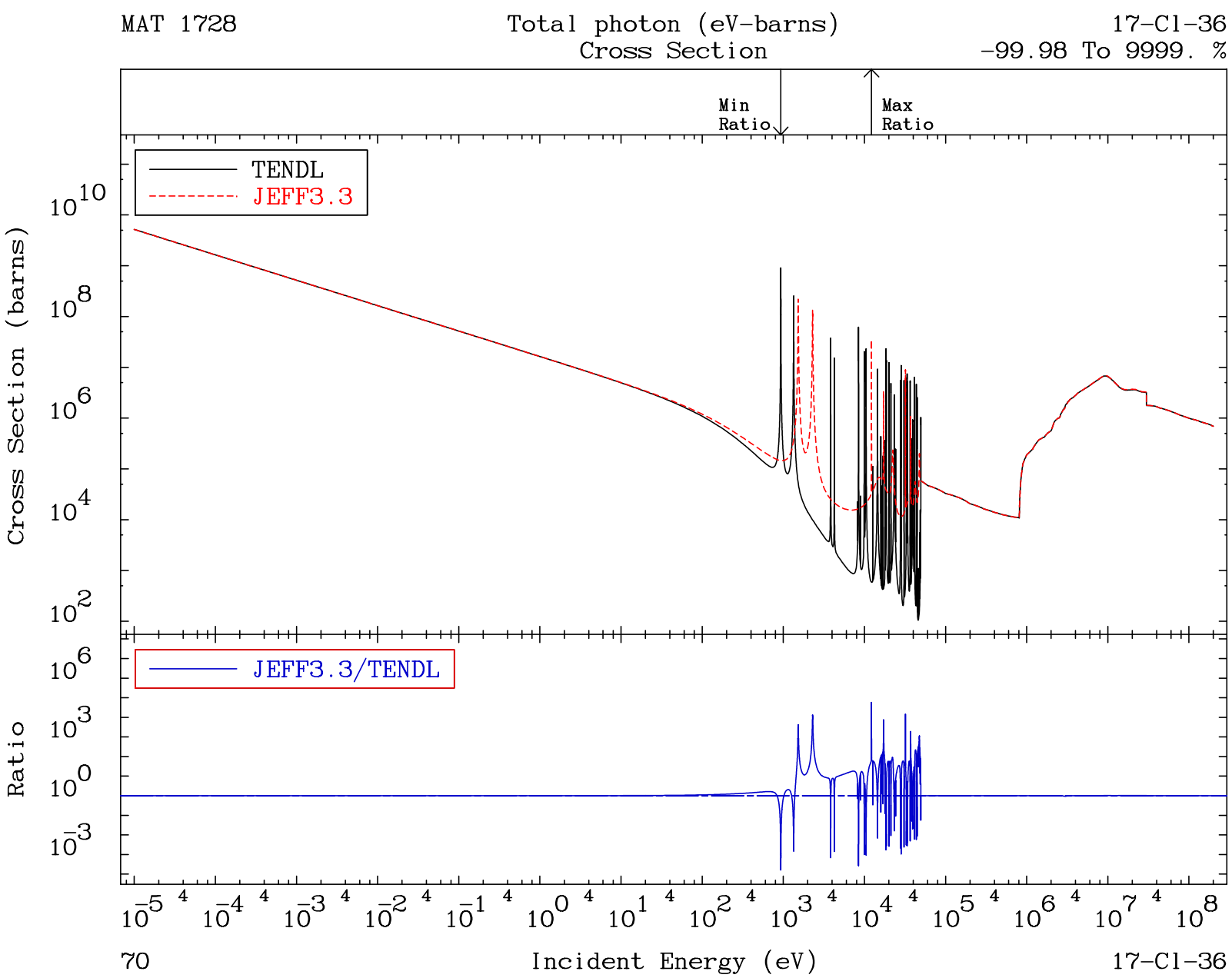

MAT 1728
Kerma elastic
Cross Section
17-Cl-36
-98.75 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
65
17-Cl-36

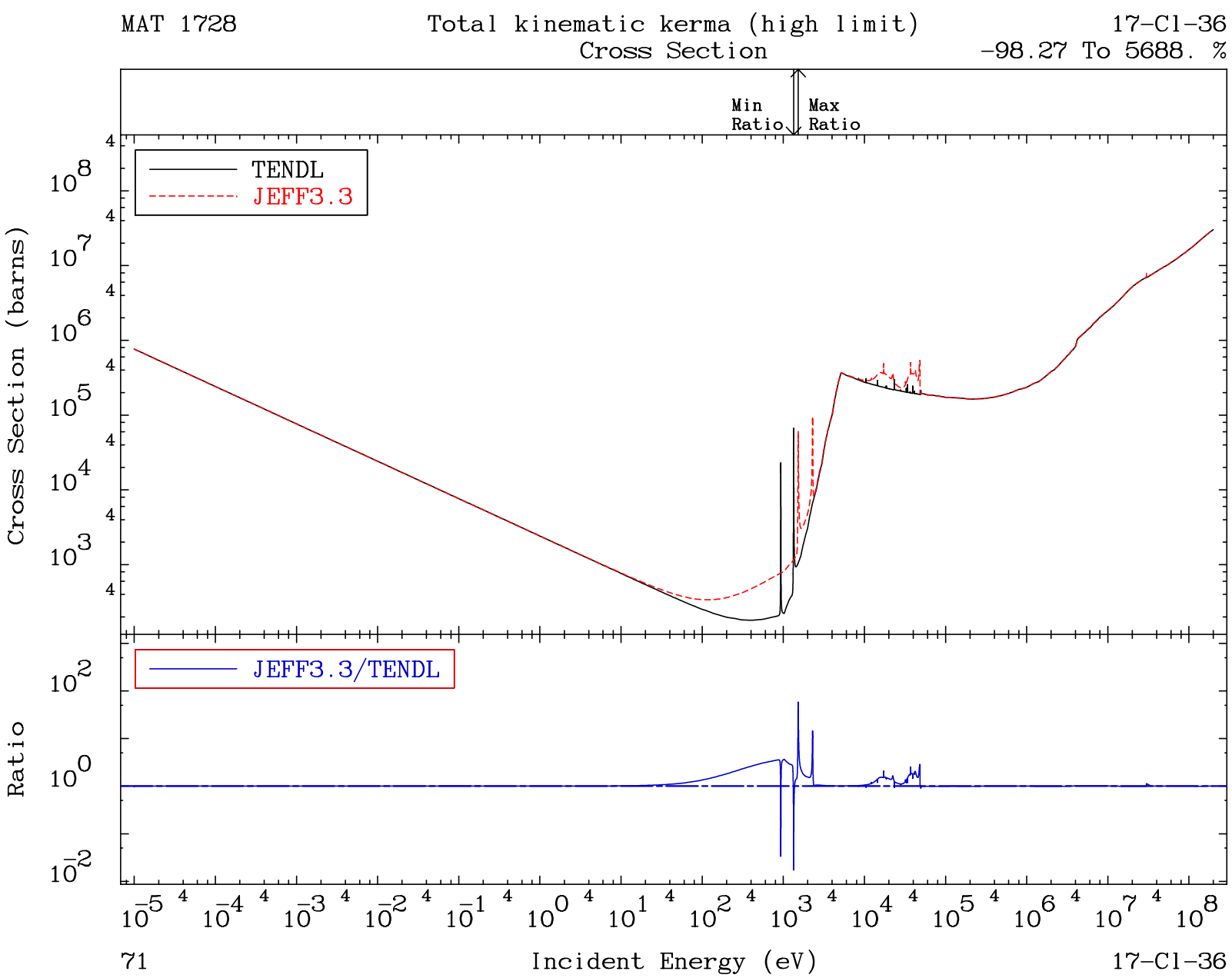

MAT 1728
Kerma non-elastic (all but mt2)
Cross Section
17-Cl-36
-97.89 To 187.9 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
66
17-Cl-36

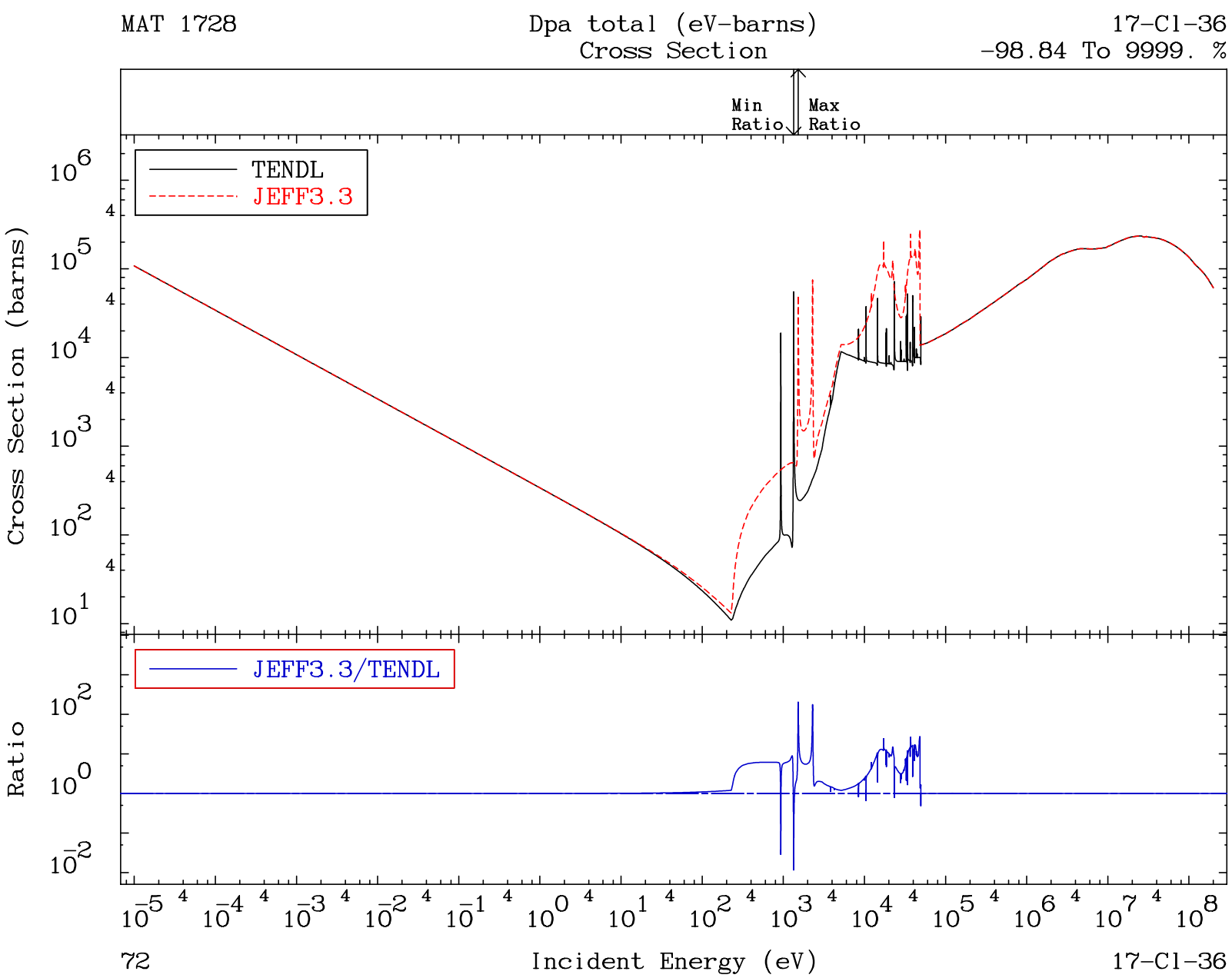

MAT 1728
Kerma inelastic (mt51-91)
Cross Section
17-Cl-36
-3.875 To 2.716 %
Max Ratio
Min Ratio
TENDL Threshold 810.54 keV
JEFF3.3 Threshold 810.54 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
67
17-Cl-36

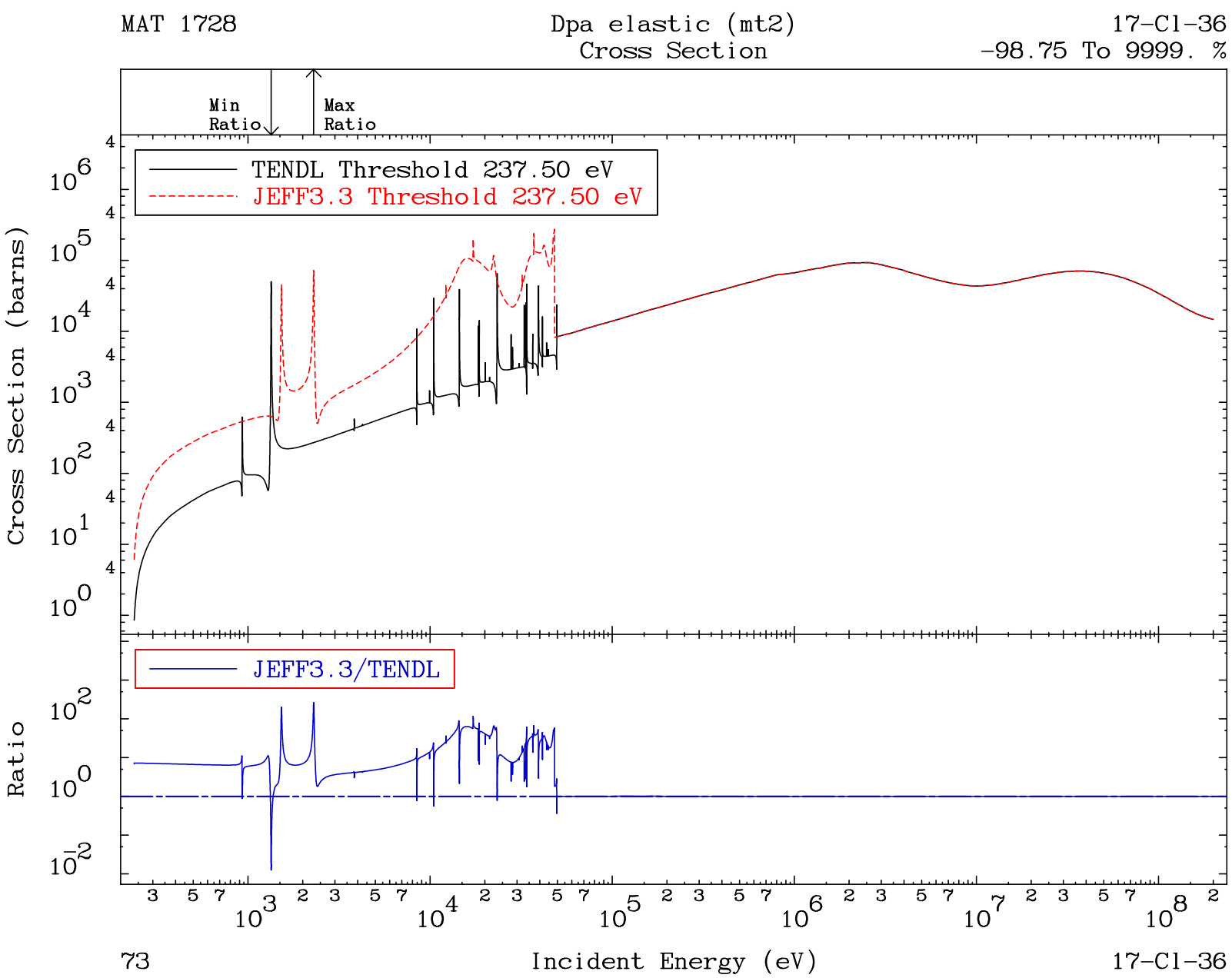

MAT 1728
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
17-Cl-36
-3.875 To 2.716 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
JEFF3.3/TENDL
Ratio
1.04
1.00
0.96
10-5 4 10-4 4 10-3 4 10-2 4 10-1 4 100 4 101 4 102 4 103 4 104 4 105 4 106 4 107 4 108
68
Incident Energy (eV)
17-Cl-36

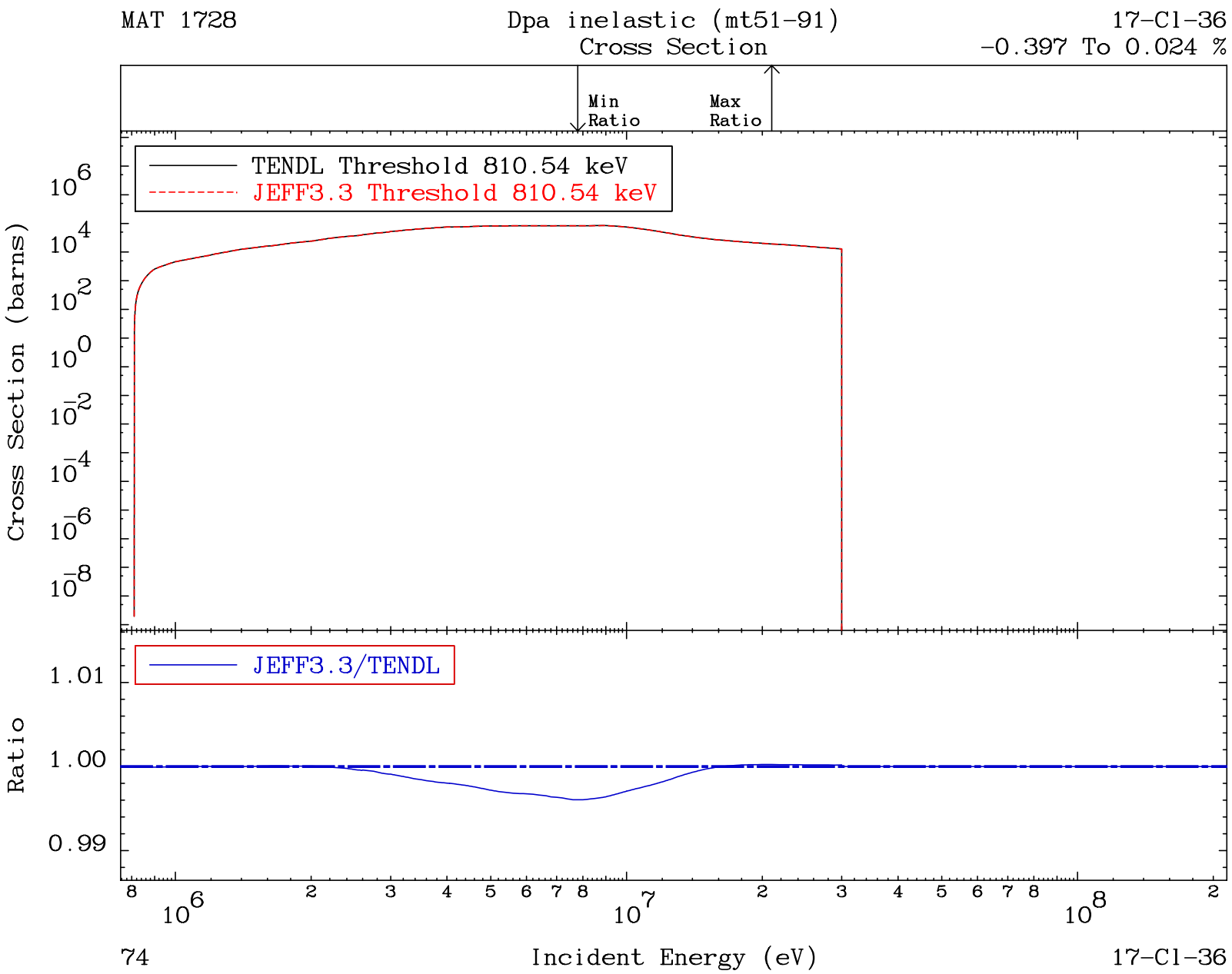

MAT 1728
Kerma capture (mt102)
Cross Section
17-Cl-36
-99.98 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
69
17-Cl-36

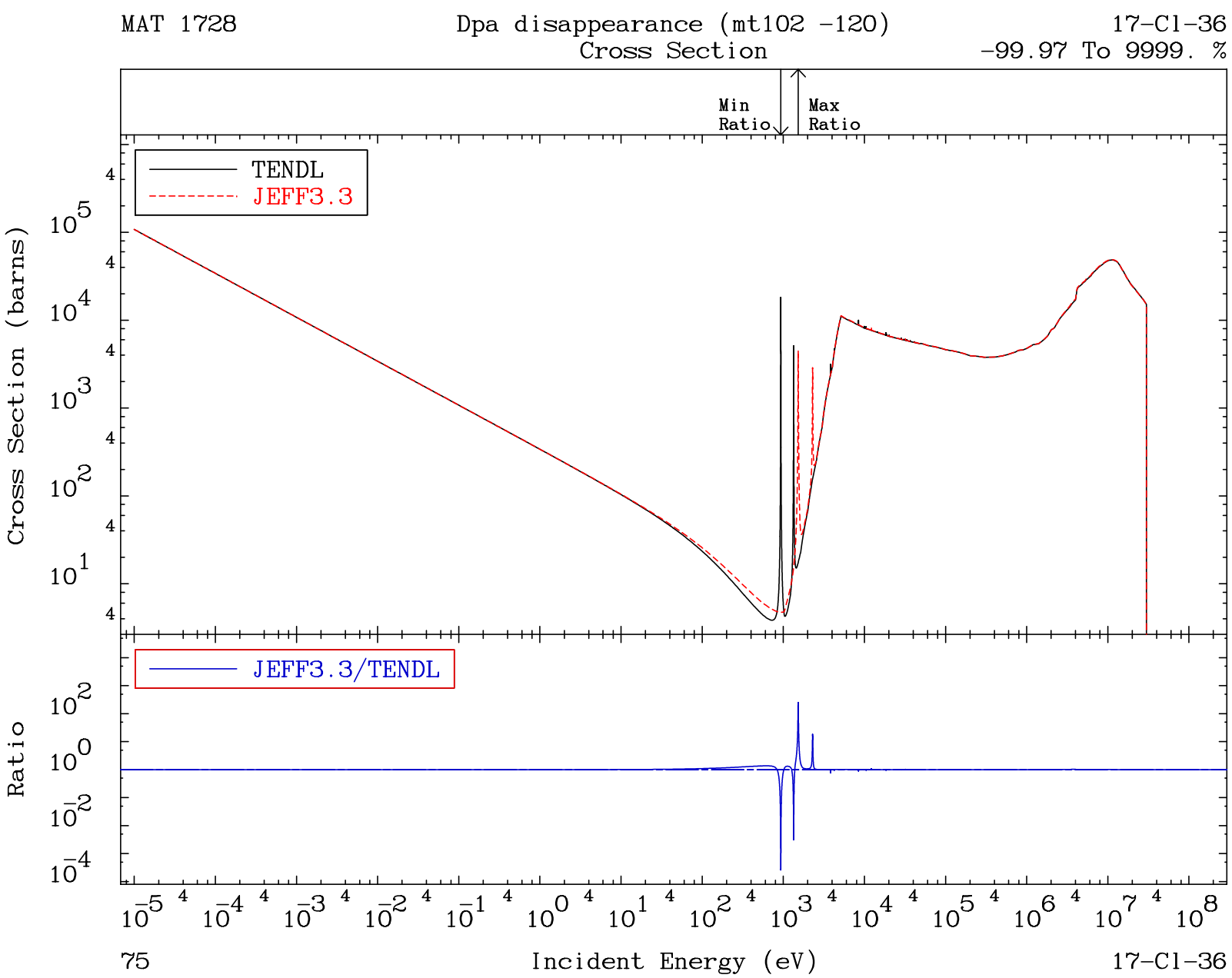

MAT 1728
Total photon (eV-barns)
Cross Section
17-Cl-36
-99.98 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
70
17-Cl-36

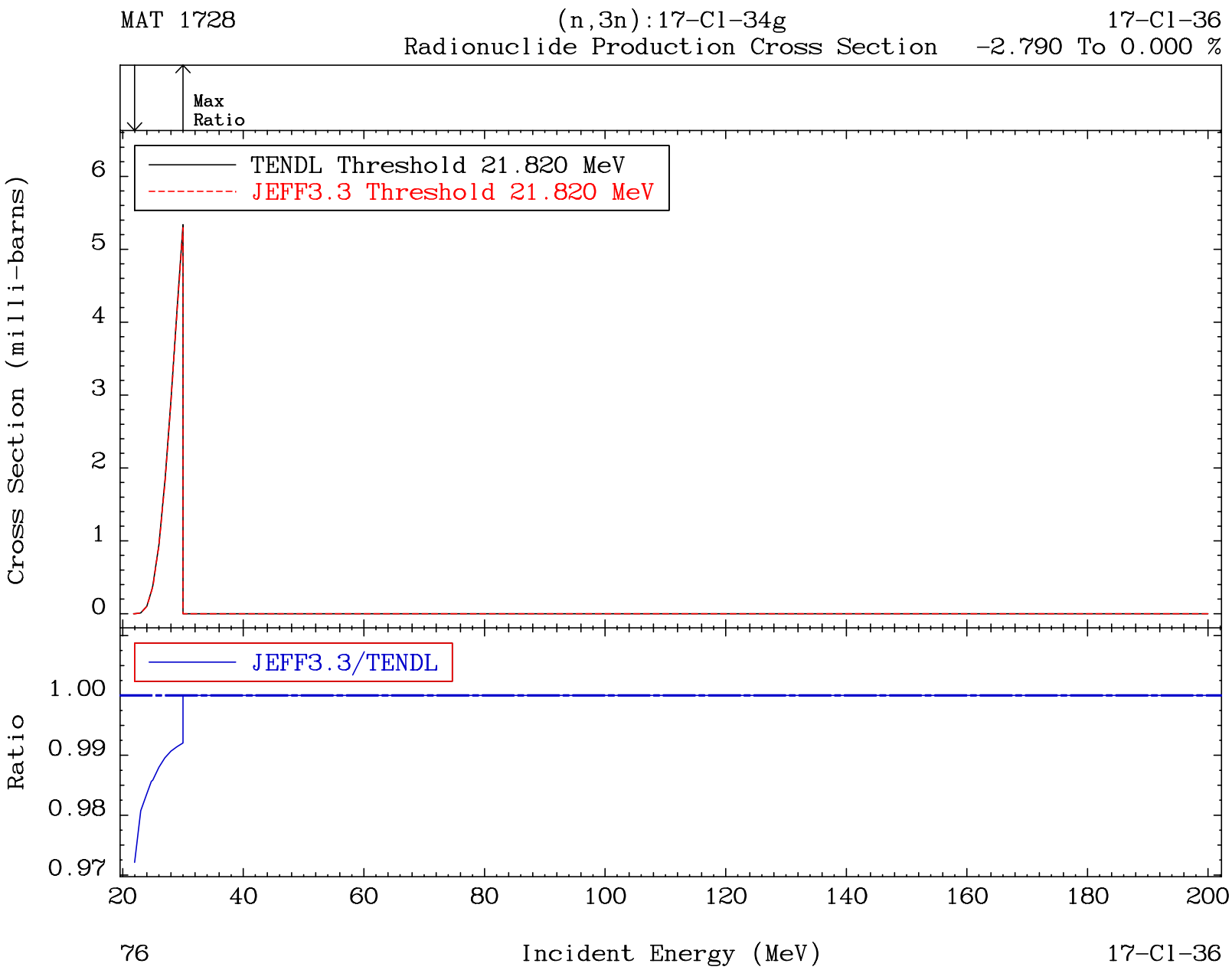

MAT 1728
Total kinematic kerma (high limit)
Cross Section
17-Cl-36
-98.27 To 5688. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
71
17-Cl-36

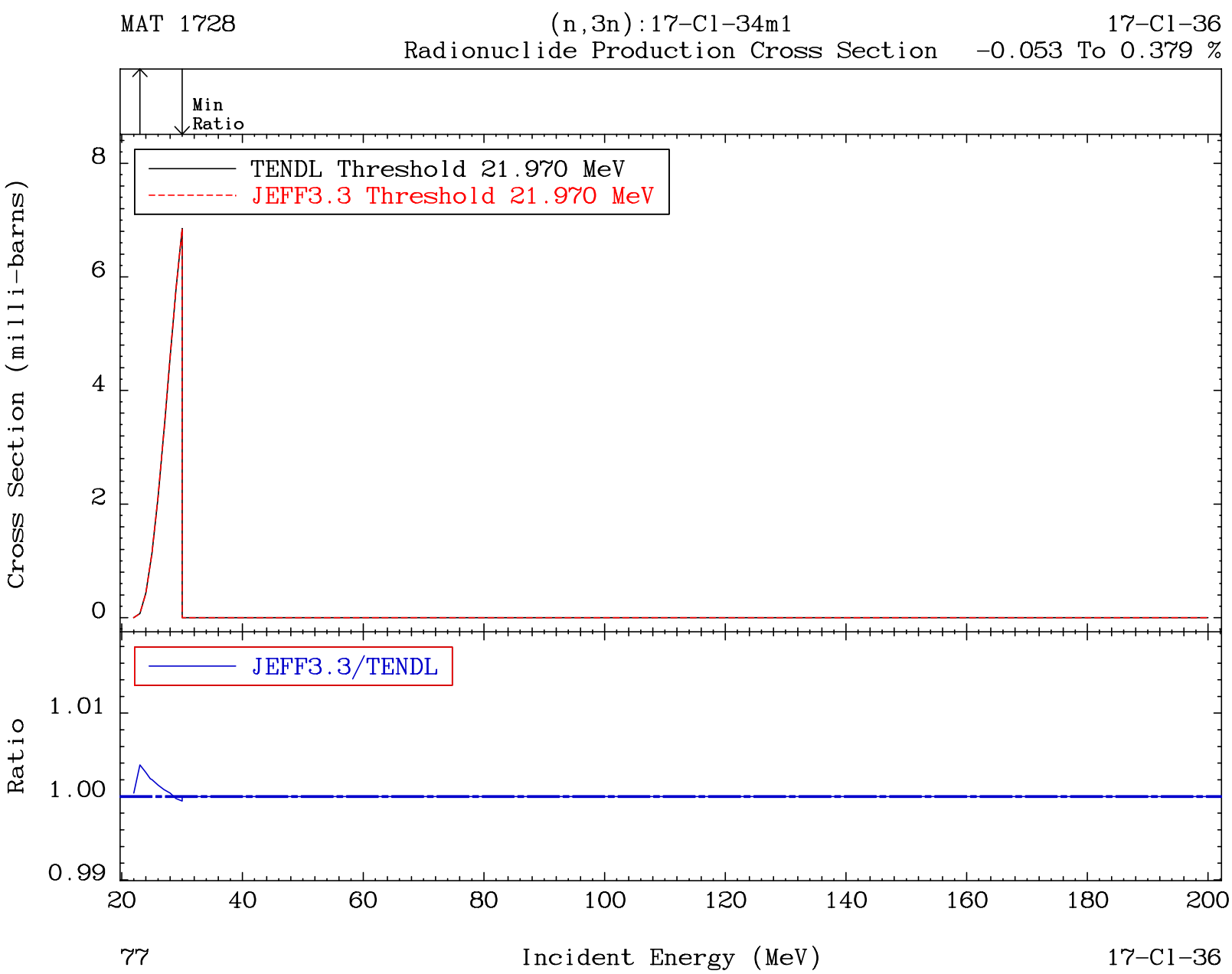

MAT 1728
Dpa total (eV-barns)
Cross Section
17-Cl-36
-98.84 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
72
17-Cl-36


MAT 1728
Dpa elastic (mt2)
Cross Section
17-Cl-36
-98.75 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 237.50 eV
JEFF3.3 Threshold 237.50 eV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
73
17-Cl-36


MAT 1728
Dpa inelastic (mt51-91)
Cross Section
17-Cl-36
-0.397 To 0.024 %
Min Ratio
Max Ratio
TENDL Threshold 810.54 keV
JEFF3.3 Threshold 810.54 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
74
17-Cl-36


MAT 1728
Dpa disappearance (mt102 -120)
Cross Section
17-Cl-36
-99.97 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
75
17-Cl-36


MAT 1728
(n,3n):17-Cl-34g
17-Cl-36
Radionuclide Production Cross Section
-2.790 To 0.000 %
Max
Ratio
TENDL Threshold 21.820 MeV
JEFF3.3 Threshold 21.820 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
JEFF3.3/TENDL
Ratio
1.00
0.99
0.98
0.97
20
40
60
80
100
120
140
160
180
200
76
Incident Energy (MeV)
17-Cl-36


MAT 1728
(n,3n):17-Cl-34m1
17-Cl-36
Radionuclide Production Cross Section
-0.053 To 0.379 %
Min
Ratio
TENDL Threshold 21.970 MeV
JEFF3.3 Threshold 21.970 MeV
Cross Section (milli-barns)
0
2
4
6
8
JEFF3.3/TENDL
Ratio
0.99
1.00
1.01
20
40
60
80
100
120
140
160
180
200
77
Incident Energy (MeV)
17-Cl-36