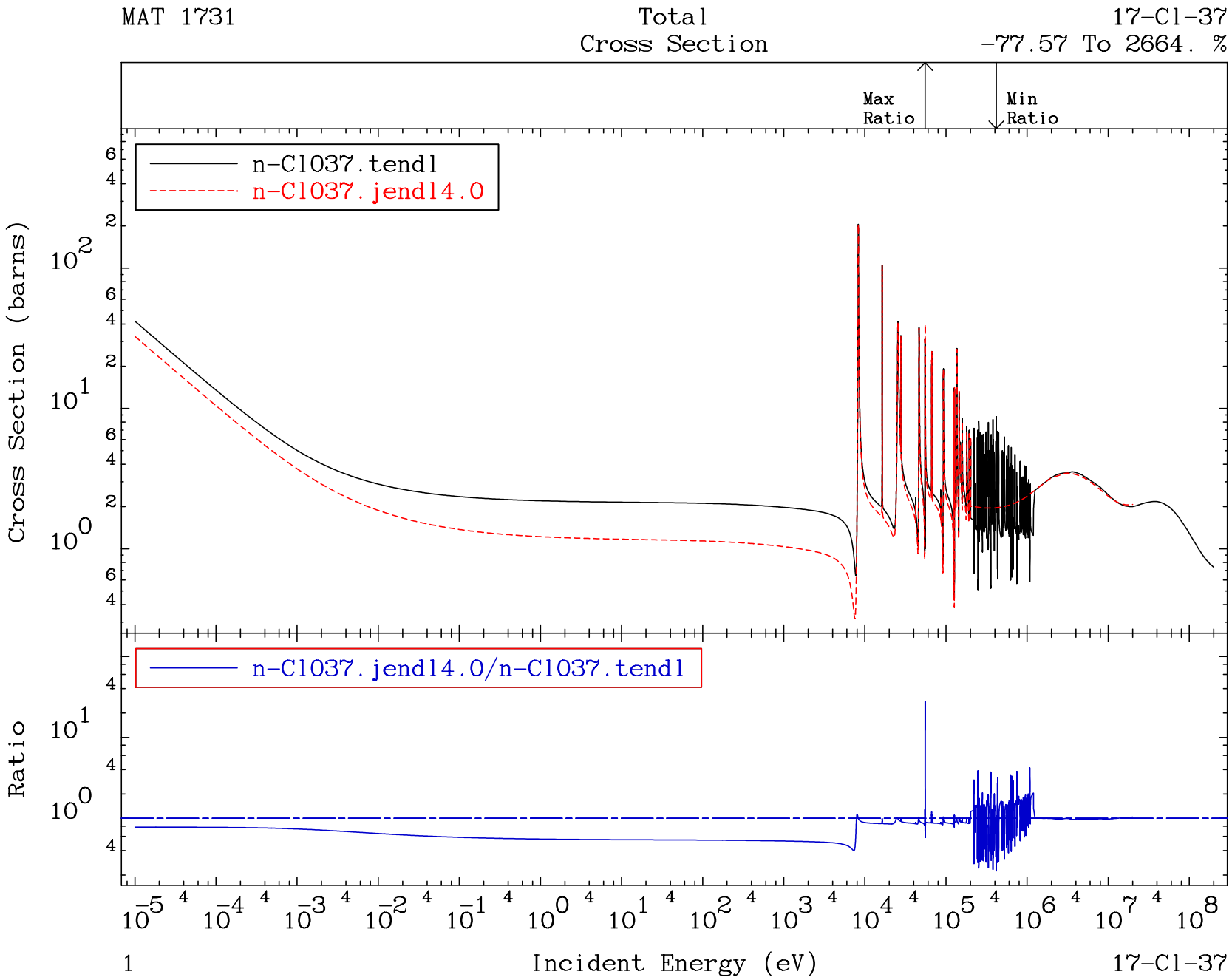
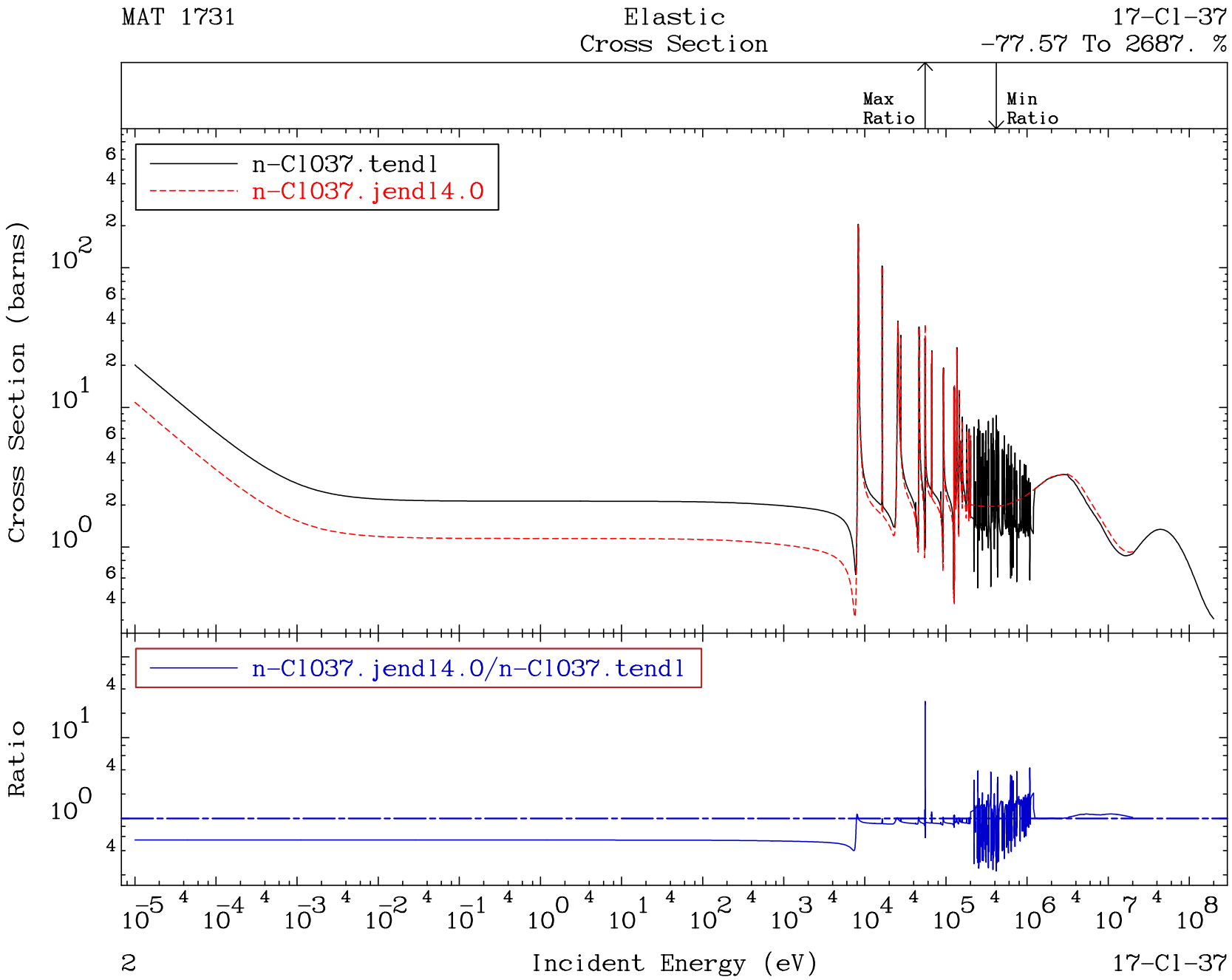
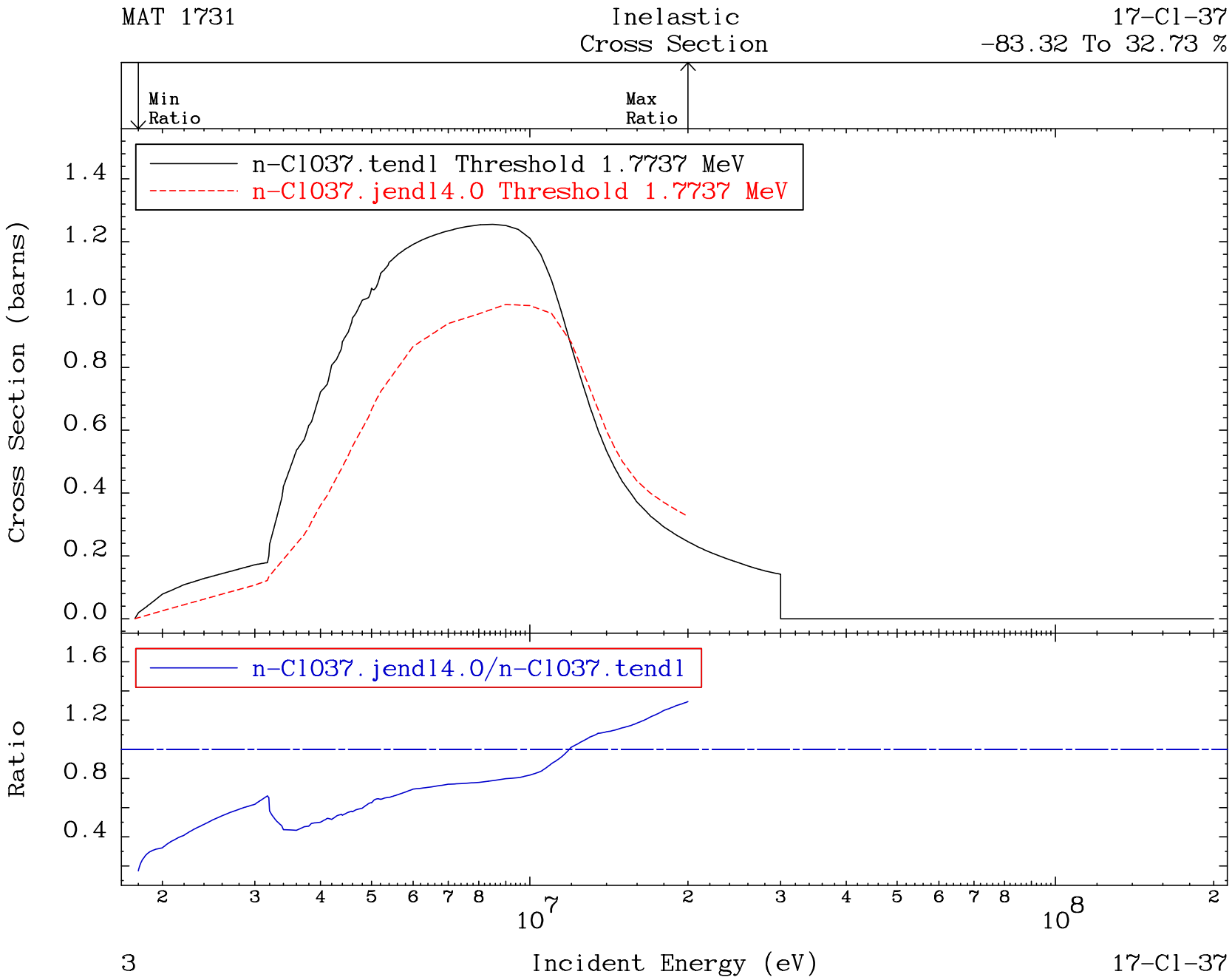
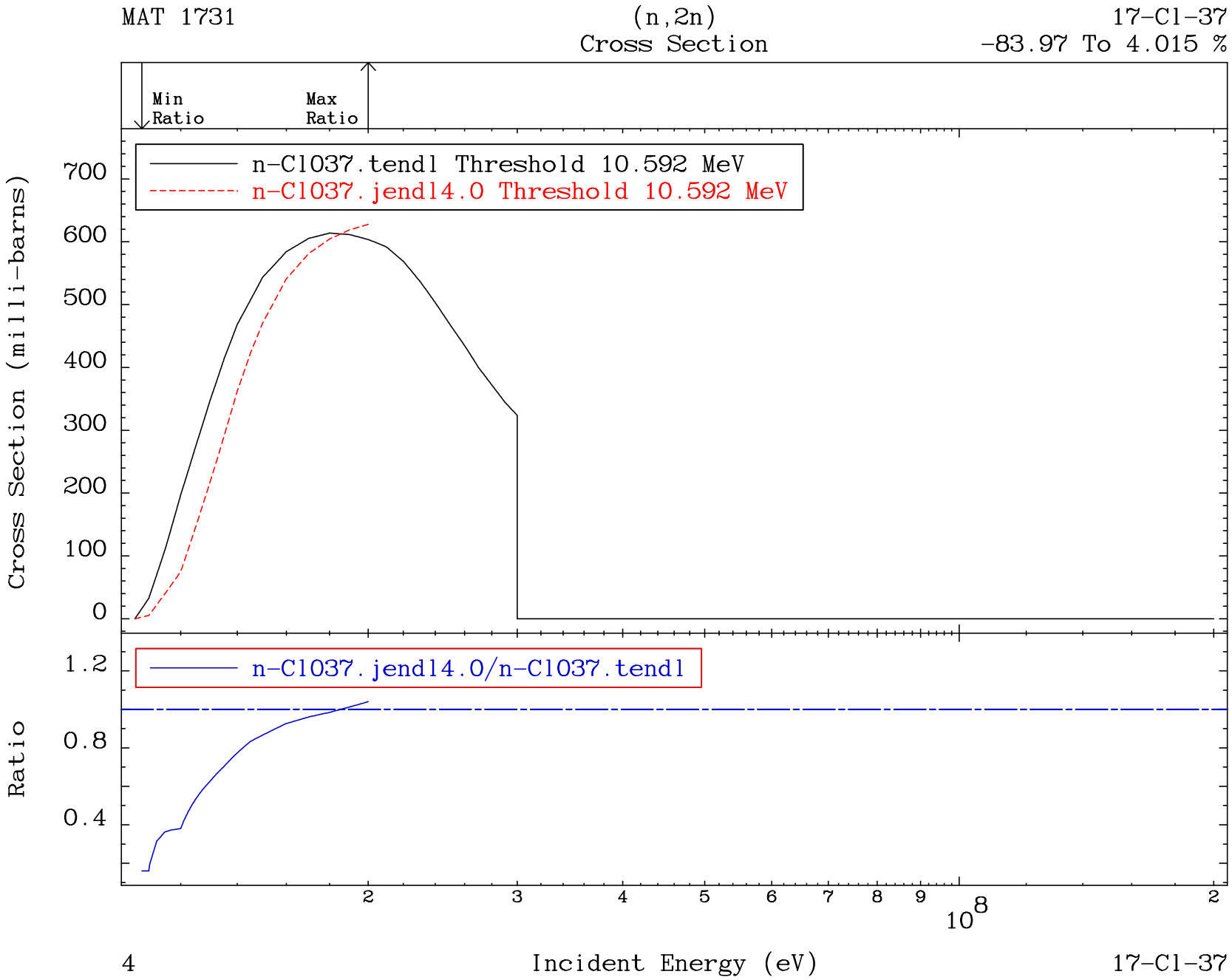
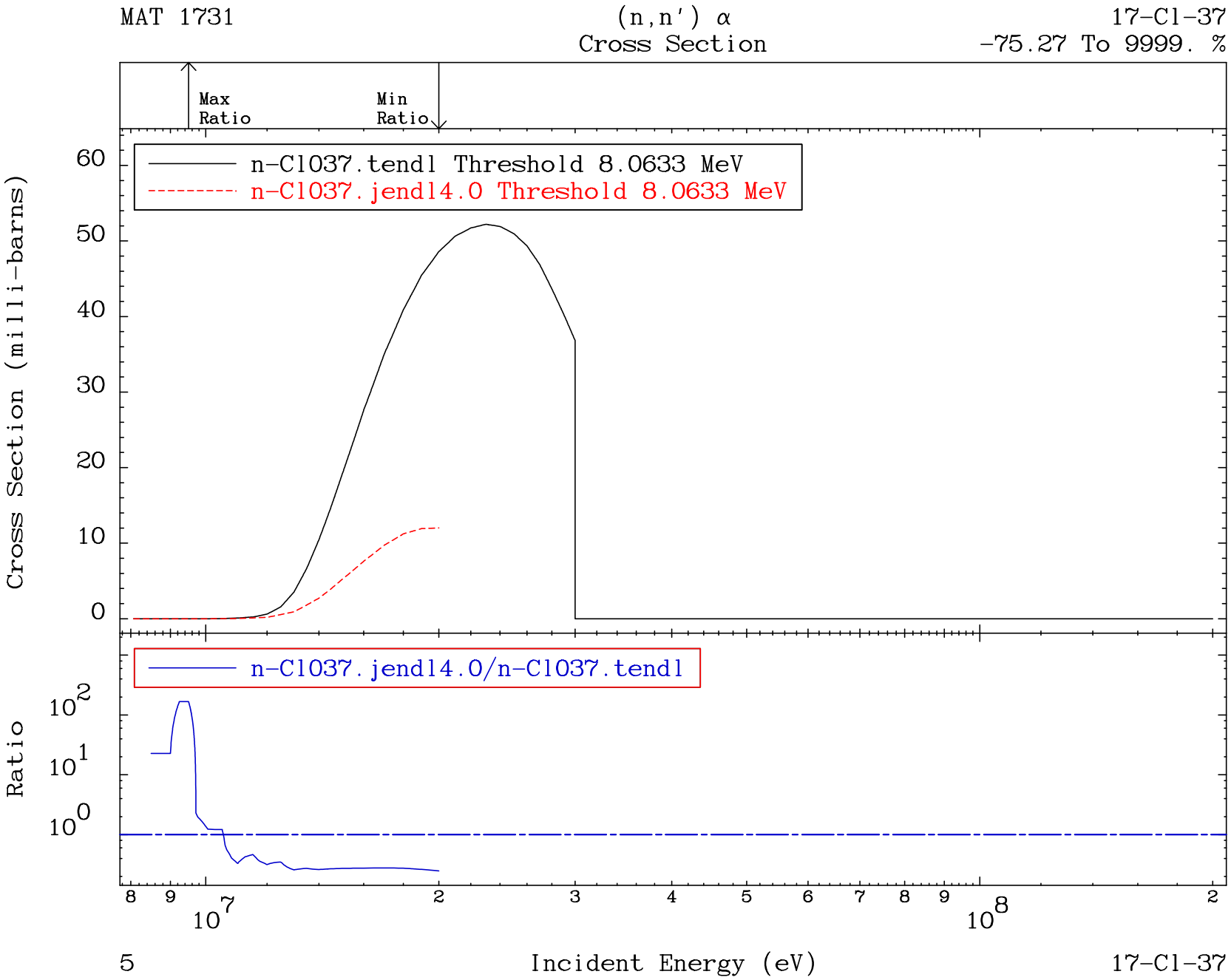
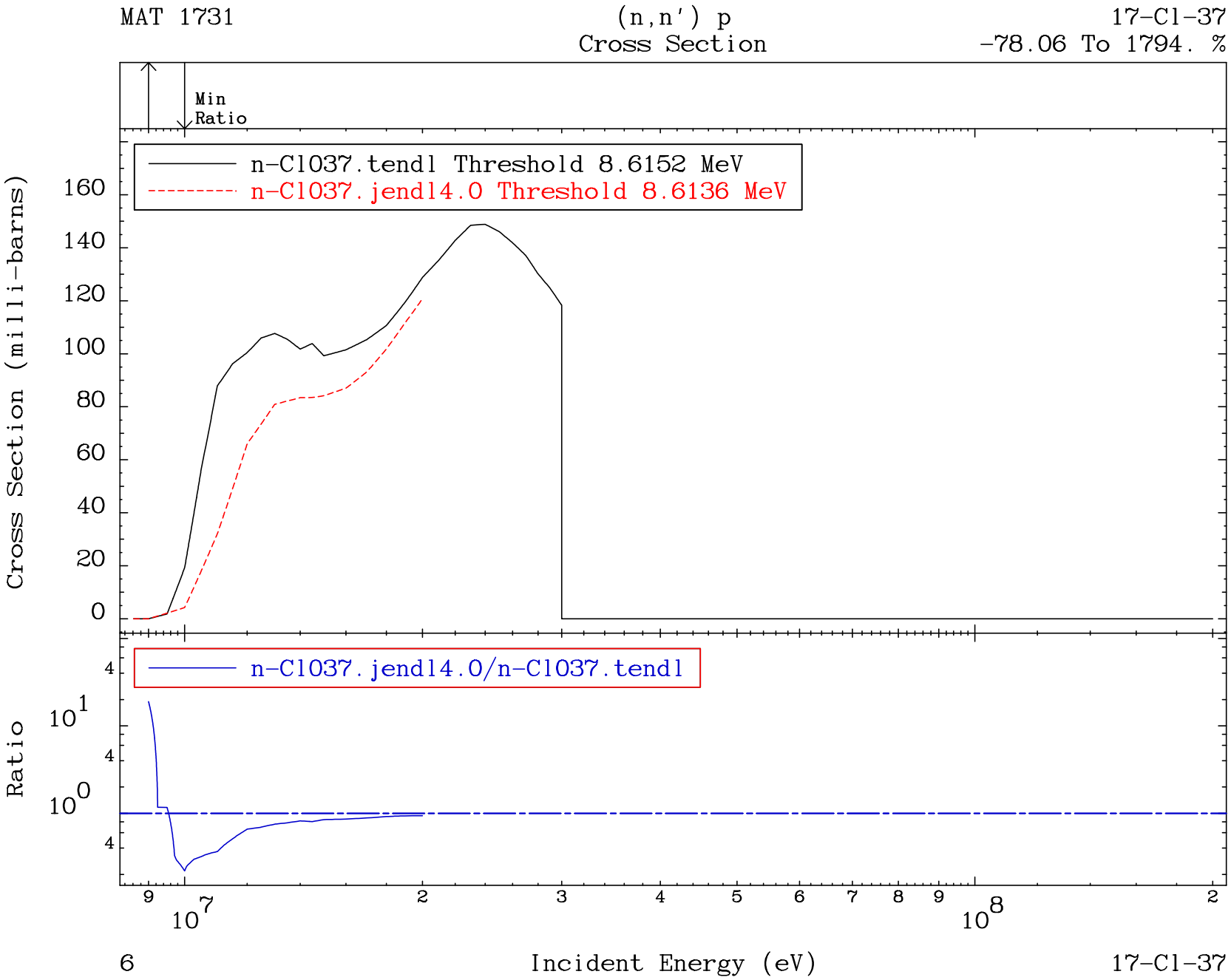

MAT 1731
Total
Cross Section
17-Cl-37
-77.57 To 2664. %
Max
Ratio
Min
Ratio
n-Cl037.tendl
n-Cl037.jendl4.0
Cross Section (barns)
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
Incident Energy (eV)
1
17-Cl-37

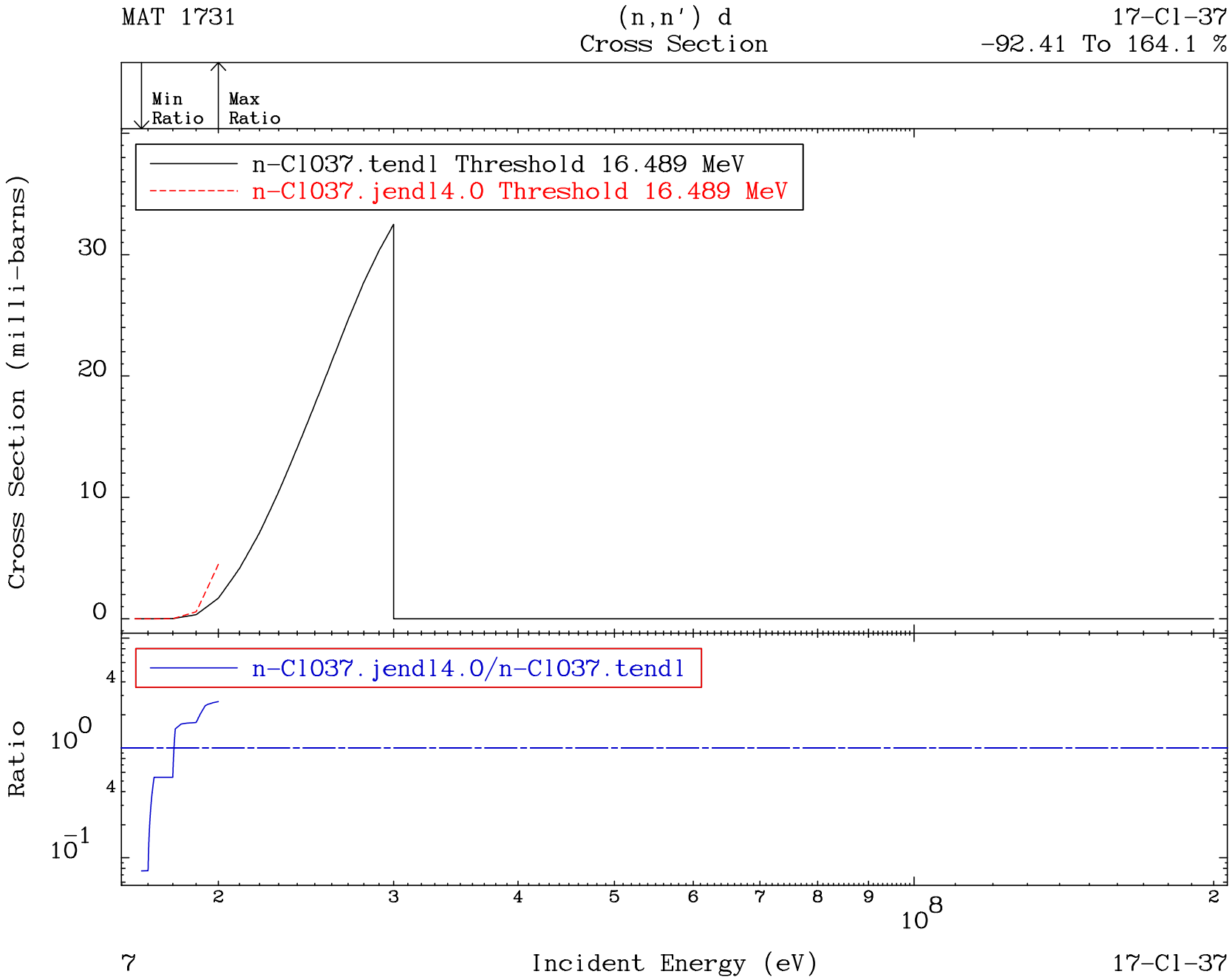

MAT 1731
Elastic
Cross Section
17-Cl-37
-77.57 To 2687. %
Max Ratio
Min Ratio
n-Cl037.tendl
n-Cl037.jendl4.0
Cross Section (barns)
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
Incident Energy (eV)
2
17-Cl-37

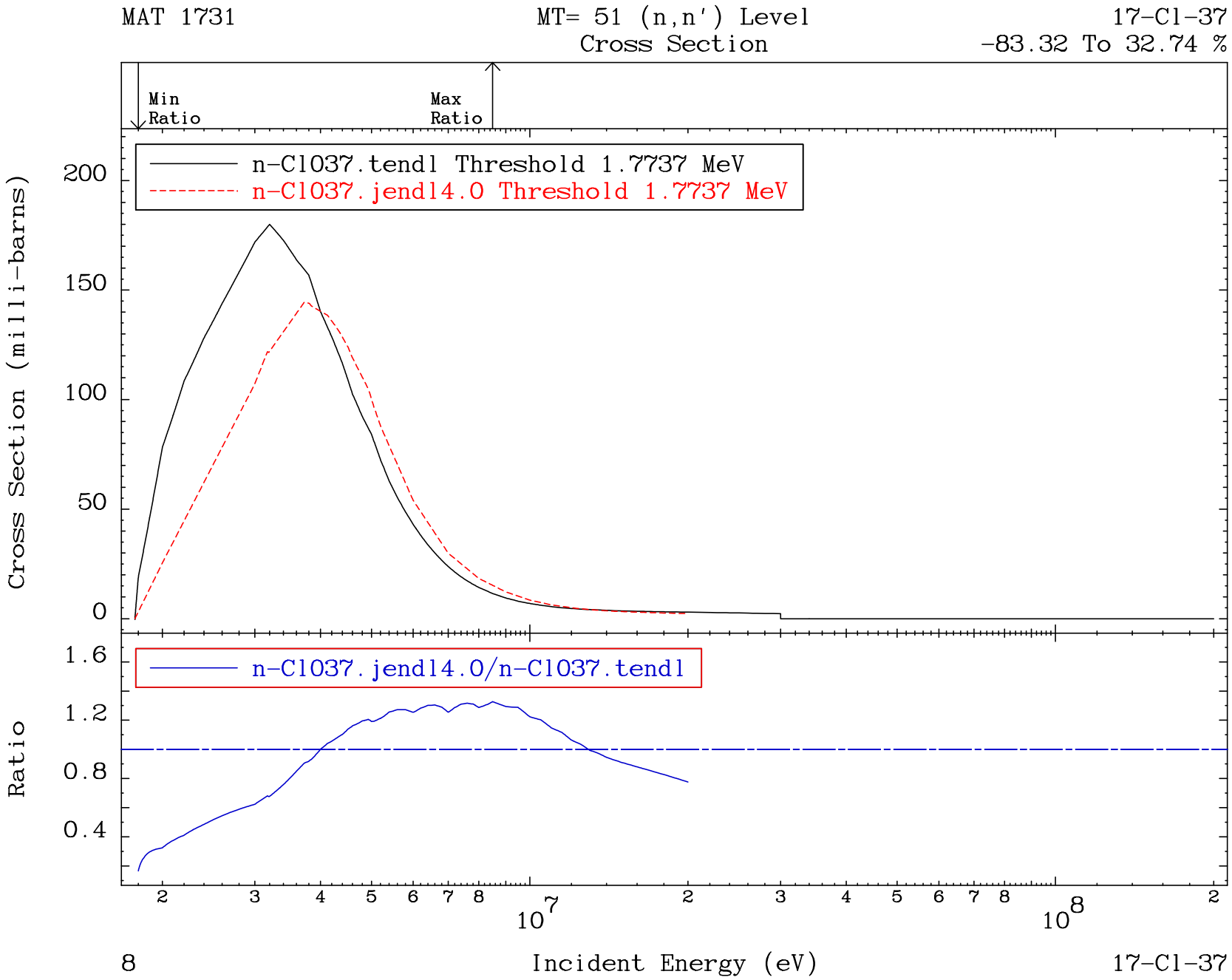

MAT 1731
Inelastic
Cross Section
17-Cl-37
-83.32 To 32.73 %
Min
Ratio
Max
Ratio
n-Cl037.tendl Threshold 1.7737 MeV
n-Cl037.jendl4.0 Threshold 1.7737 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
1.6
1.2
0.8
0.4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
3
Incident Energy (eV)
17-Cl-37

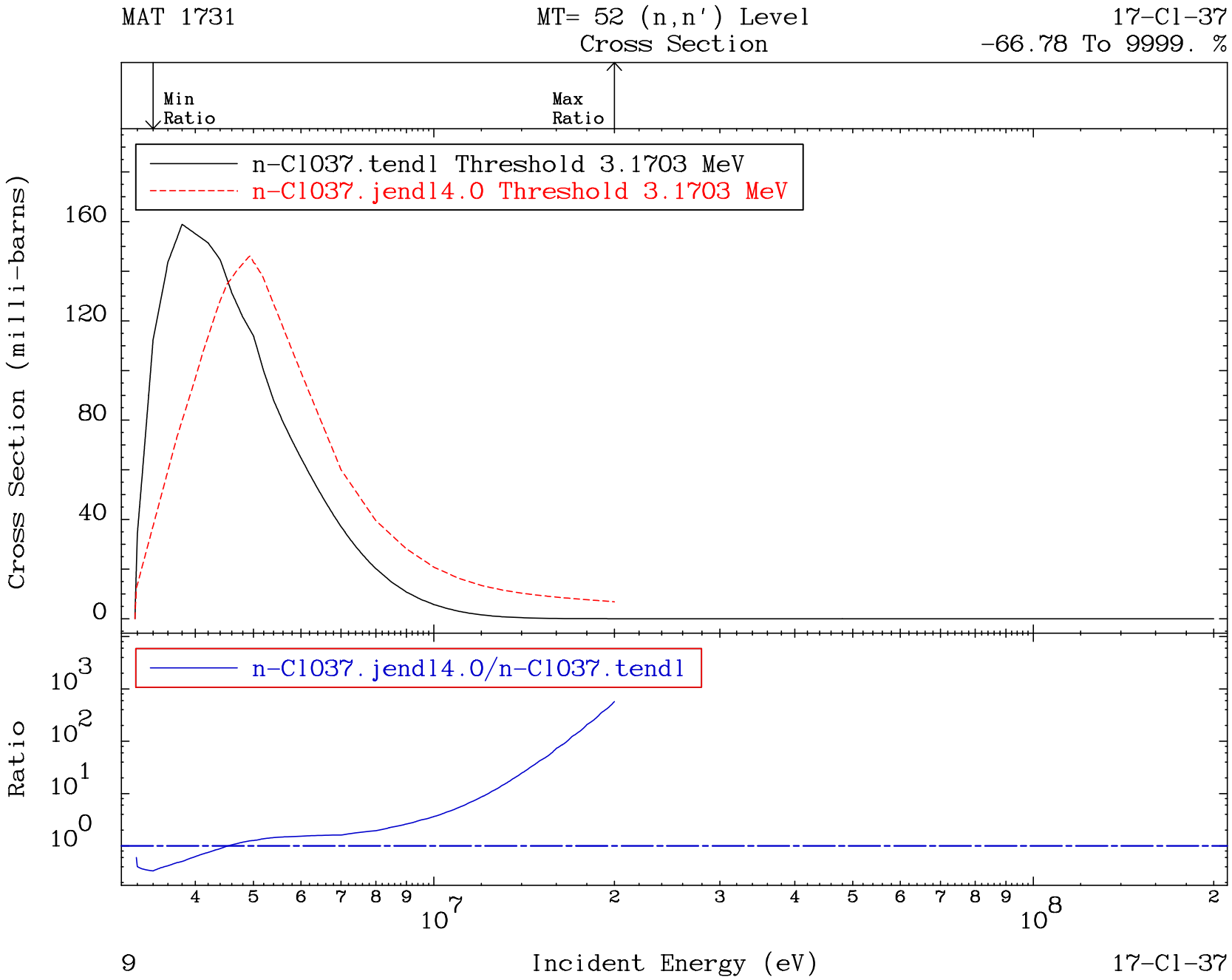

MAT 1731
(n,2n)
Cross Section
17-Cl-37
-83.97 To 4.015 %
Min Ratio
Max Ratio
n-Cl037.tendl Threshold 10.592 MeV
n-Cl037.jendl4.0 Threshold 10.592 MeV
Cross Section (milli-barns)
700
600
500
400
300
200
100
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
1.2
0.8
0.4
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
17-Cl-37

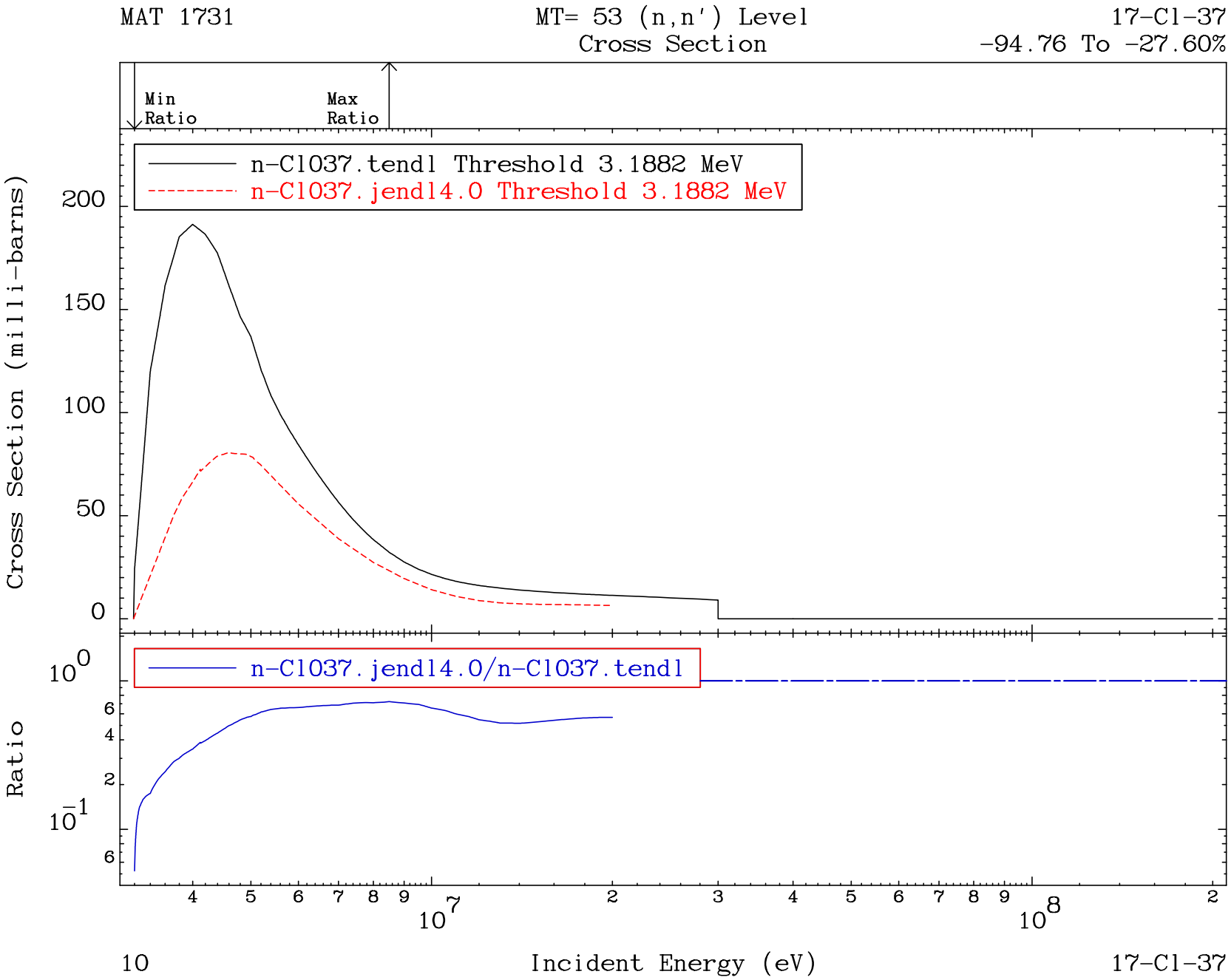

MAT 1731
(n,n') α
Cross Section
17-Cl-37
-75.27 To 9999. %
Max Ratio
Min Ratio
n-Cl037.tendl Threshold 8.0633 MeV
n-Cl037.jendl4.0 Threshold 8.0633 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
10^2
10^1
10^0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
5
Incident Energy (eV)
17-Cl-37

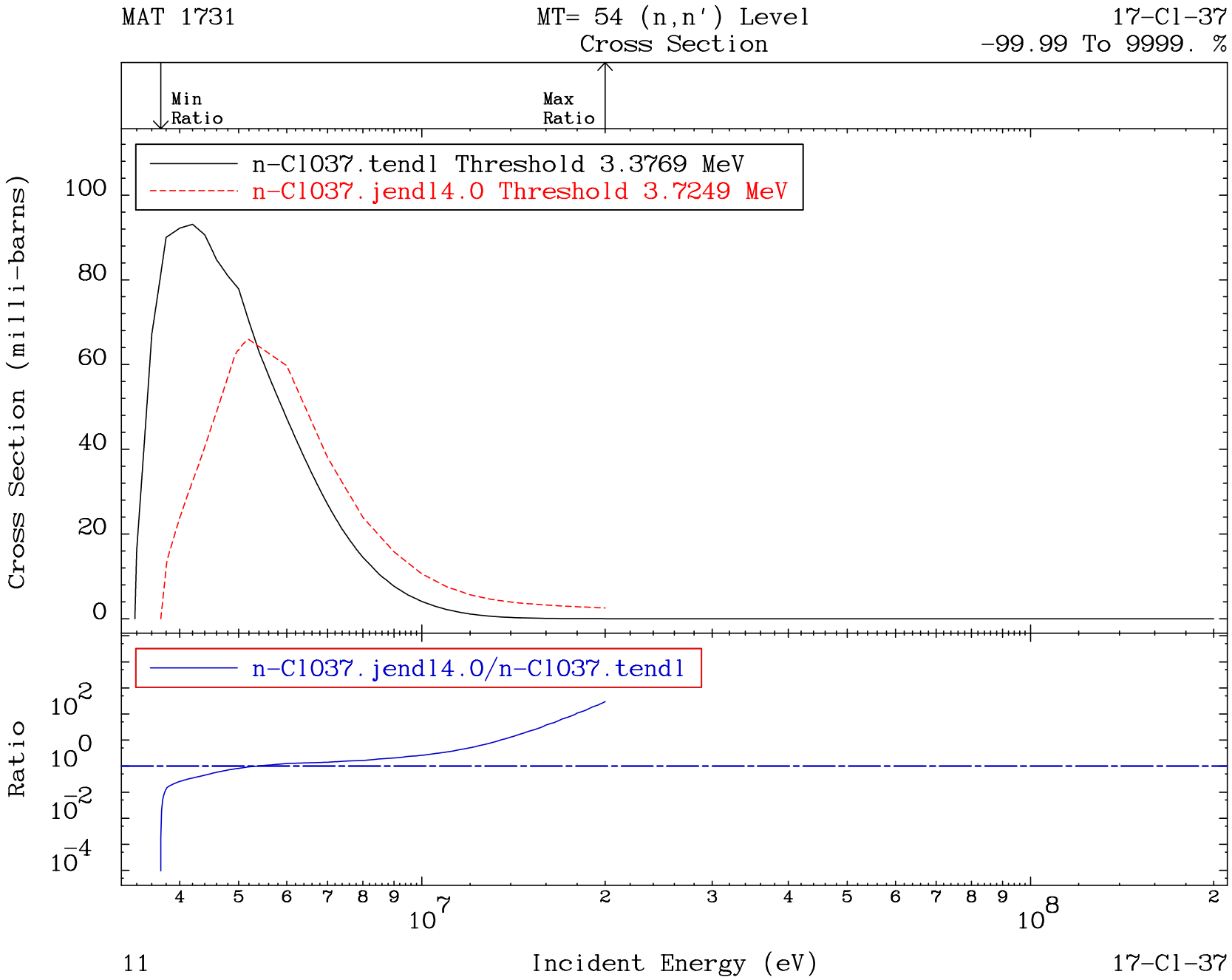

MAT 1731
(n,n') p
Cross Section
17-Cl-37
-78.06 To 1794. %
Min
Ratio
n-Cl037.tendl Threshold 8.6152 MeV
n-Cl037.jendl4.0 Threshold 8.6136 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
10^1
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
17-Cl-37

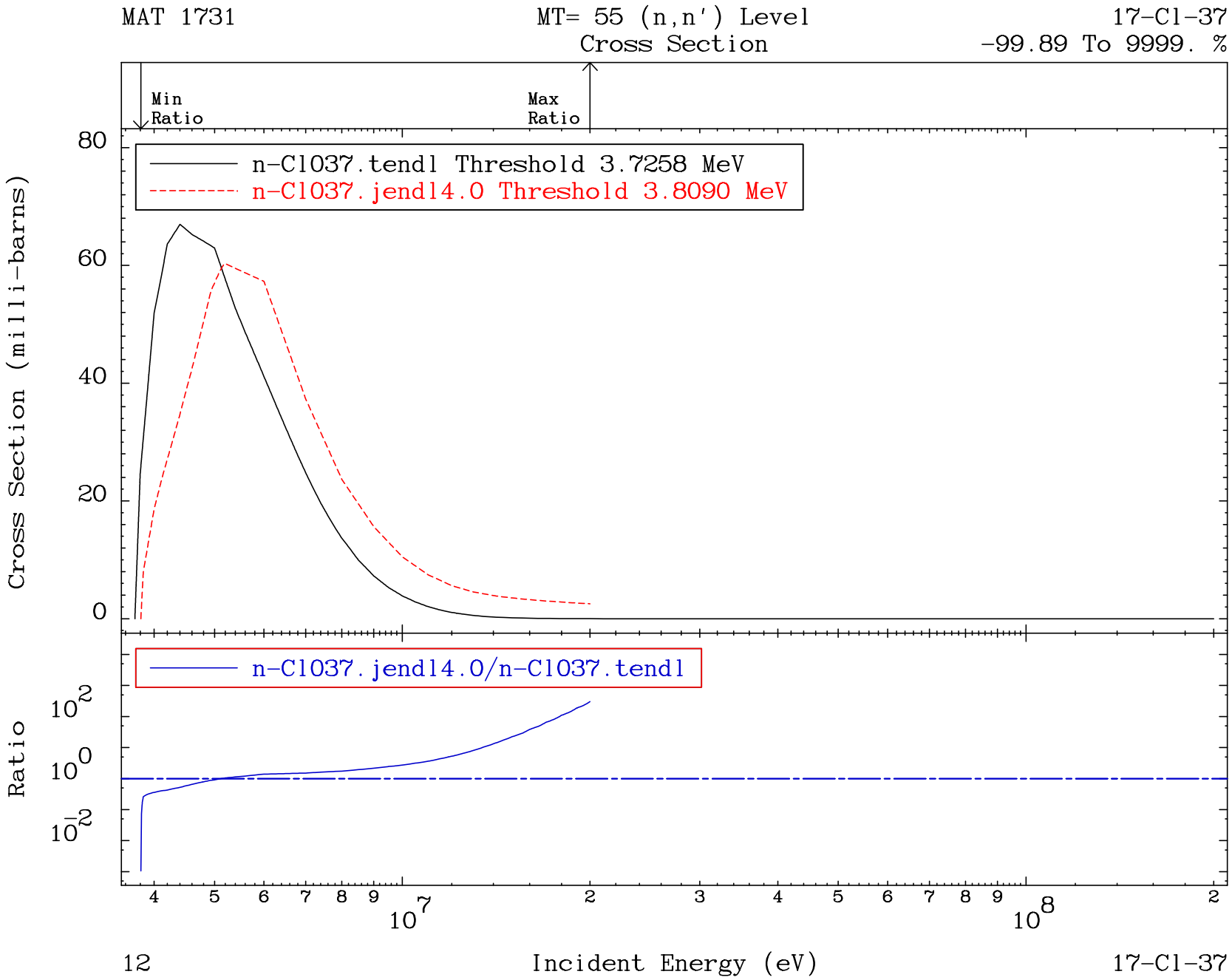

MAT 1731
(n,n') d
Cross Section
17-Cl-37
-92.41 To 164.1 %
Min Ratio
Max Ratio
n-Cl037.tendl Threshold 16.489 MeV
n-Cl037.jendl4.0 Threshold 16.489 MeV
Cross Section (milli-barns)
30
20
10
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
4
10^{0}
4
10^{-1}
2
3
4
5
6
7
8
9
10^{8}
2
7
Incident Energy (eV)
17-Cl-37

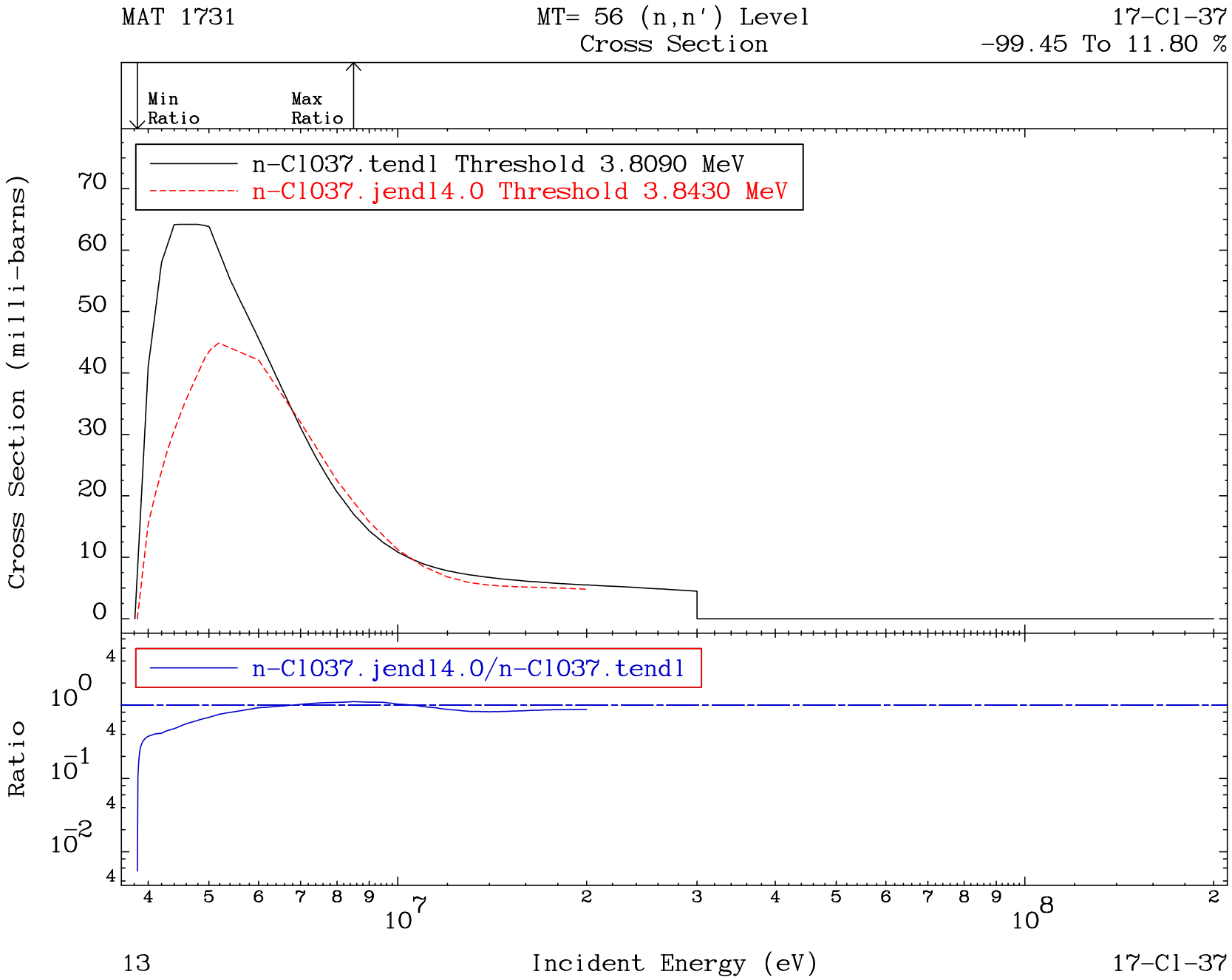

MAT 1731
MT= 51 (n,n') Level
Cross Section
17-Cl-37
-83.32 To 32.74 %
Min Ratio
Max Ratio
n-Cl037.tendl Threshold 1.7737 MeV
n-Cl037.jendl4.0 Threshold 1.7737 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
1.6
1.2
0.8
0.4
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
8
Incident Energy (eV)
17-Cl-37

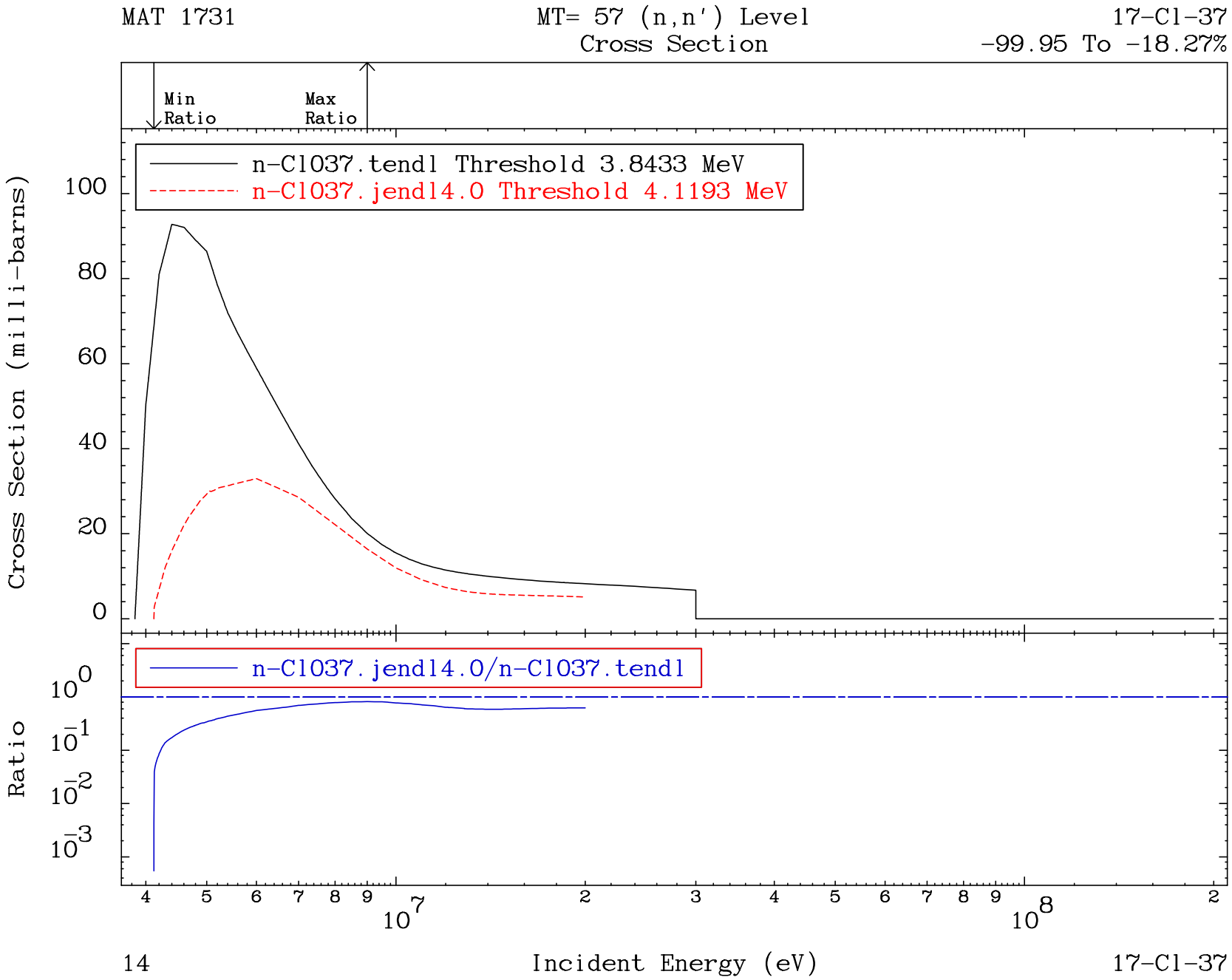

MAT 1731
MT= 52 (n,n') Level
Cross Section
17-Cl-37
-66.78 To 9999. %
Min Ratio
Max Ratio
n-Cl037.tendl Threshold 3.1703 MeV
n-Cl037.jendl4.0 Threshold 3.1703 MeV
Cross Section (milli-barns)
160
120
80
40
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
10^3
10^2
10^1
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
9
Incident Energy (eV)
17-Cl-37

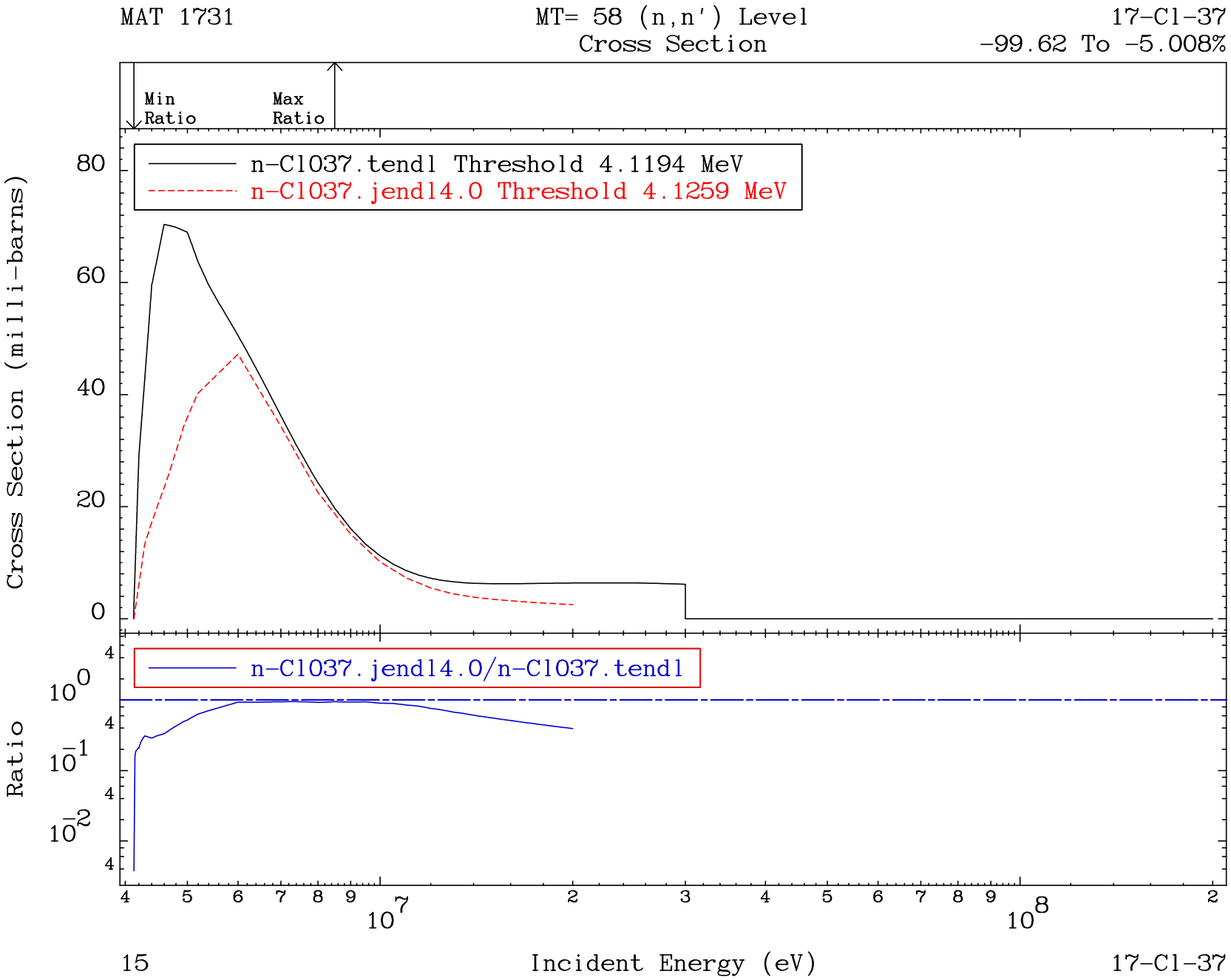

MAT 1731
MT= 53 (n,n') Level
Cross Section
17-Cl-37
-94.76 To -27.60%
Min Ratio
Max Ratio
n-Cl037.tendl Threshold 3.1882 MeV
n-Cl037.jendl4.0 Threshold 3.1882 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
10^0
6
4
2
10^-1
6
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
17-Cl-37

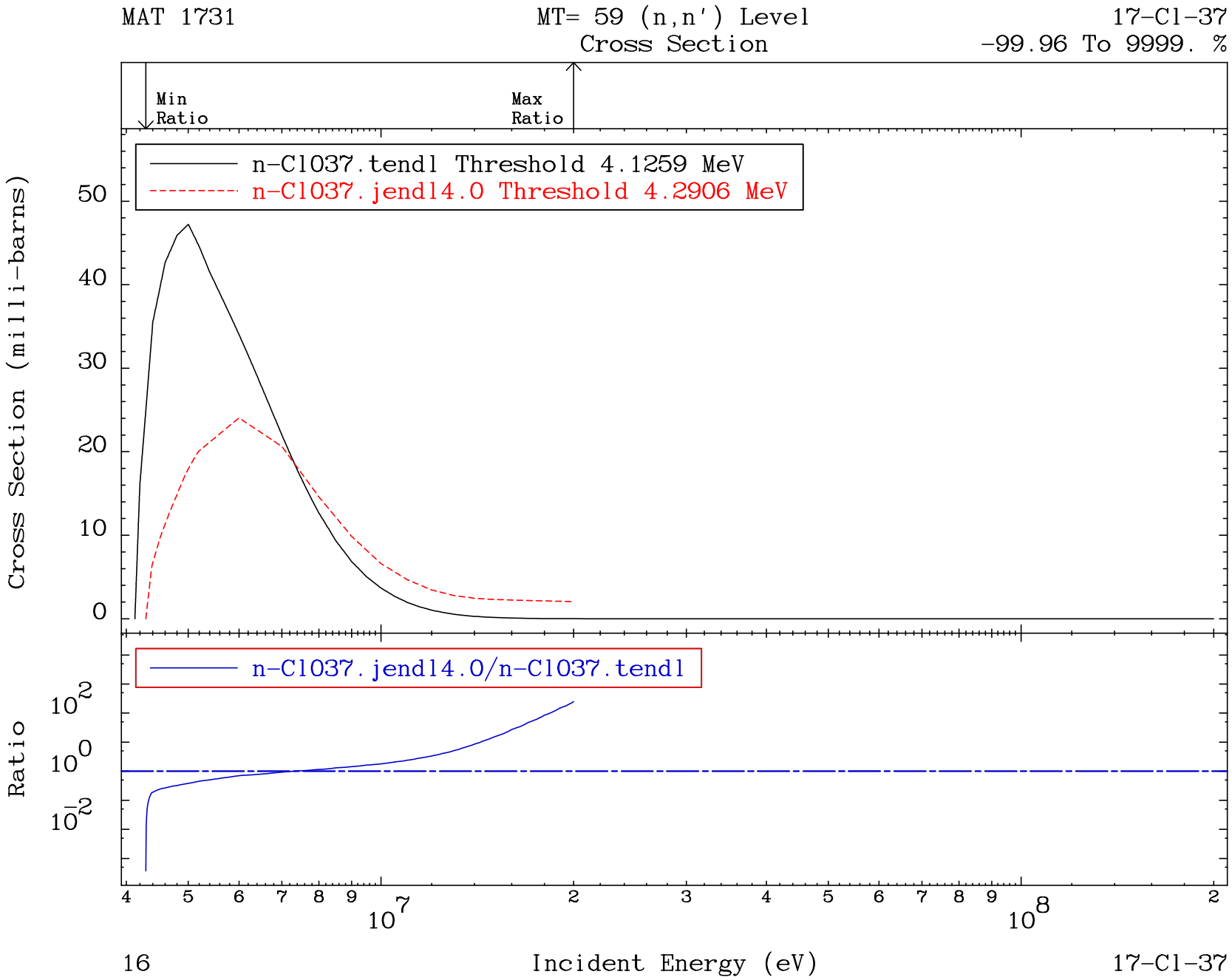

MAT 1731
MT= 54 (n,n') Level
Cross Section
17-Cl-37
-99.99 To 9999. %
Min Ratio
Max Ratio
n-Cl037.tendl Threshold 3.3769 MeV
n-Cl037.jendl4.0 Threshold 3.7249 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
10^2
10^0
10^-2
10^-4
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
11
Incident Energy (eV)
17-Cl-37

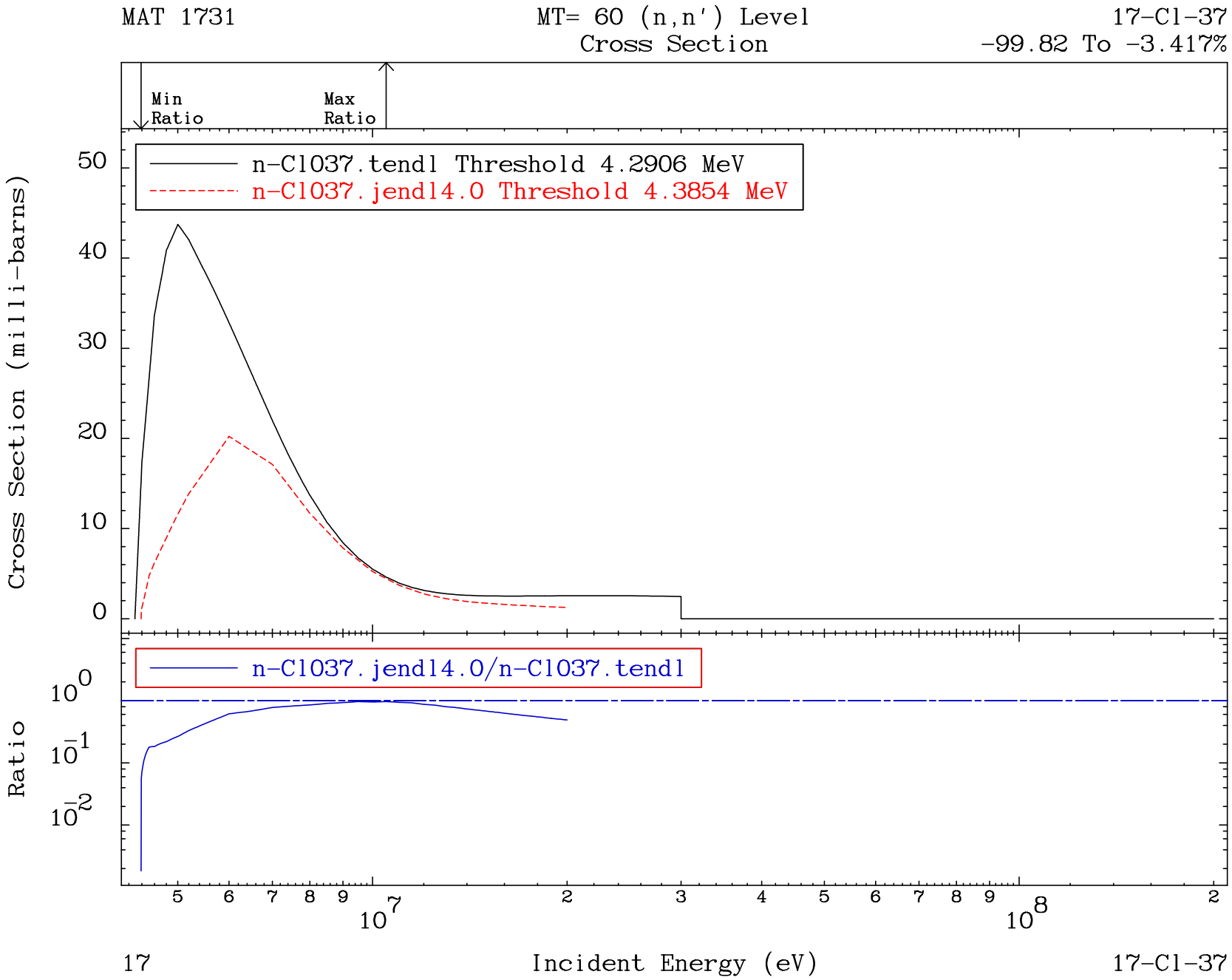

MAT 1731
MT= 55 (n,n') Level
Cross Section
17-Cl-37
-99.89 To 9999. %
Min
Ratio
Max
Ratio
n-Cl037.tendl Threshold 3.7258 MeV
n-Cl037.jendl4.0 Threshold 3.8090 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
10^2
10^0
10^-2
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
12
Incident Energy (eV)
17-Cl-37

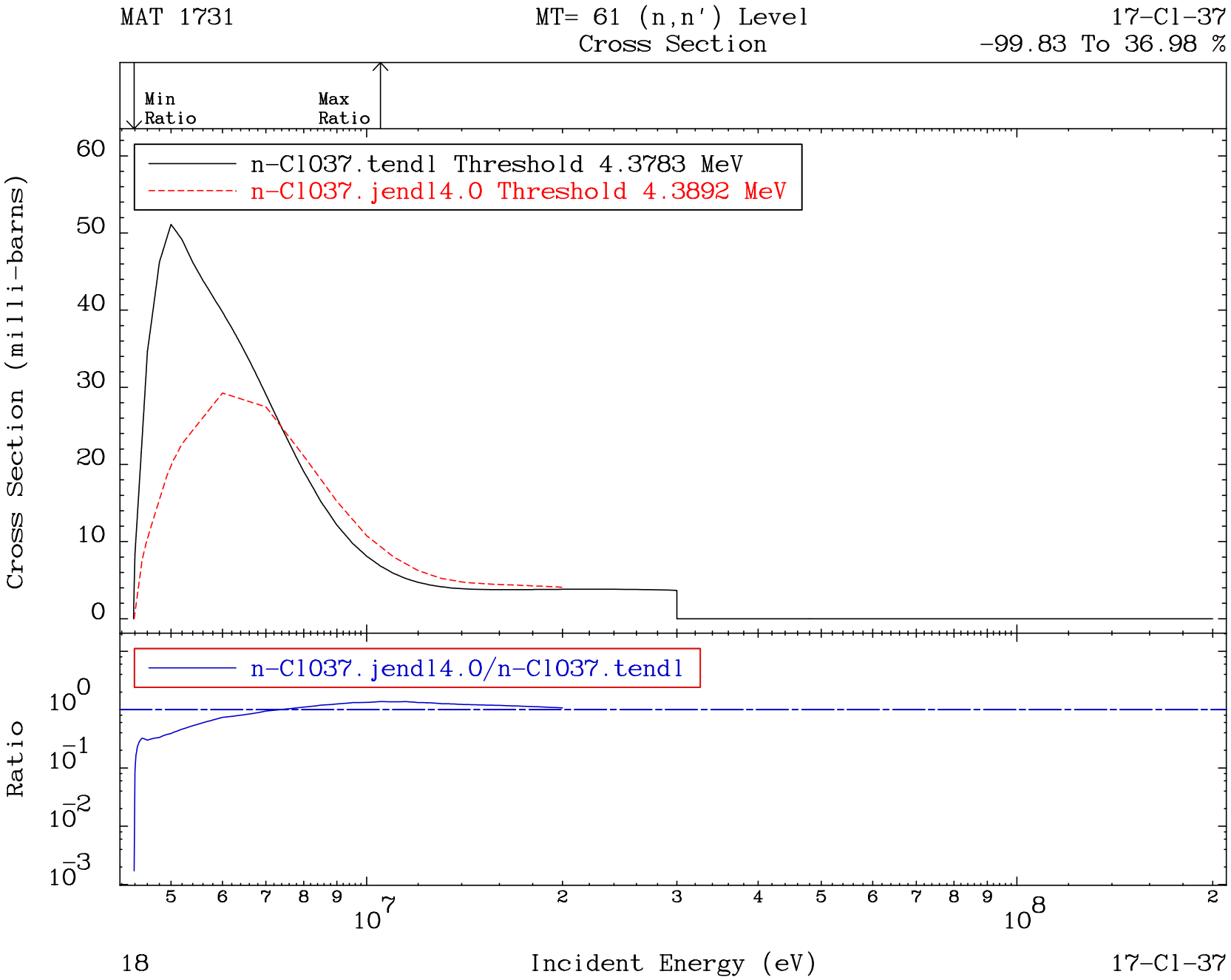

MAT 1731
MT= 56 (n,n') Level
Cross Section
17-Cl-37
-99.45 To 11.80 %
Min Ratio
Max Ratio
n-Cl037.tendl Threshold 3.8090 MeV
n-Cl037.jendl4.0 Threshold 3.8430 MeV
Cross Section (milli-barns)
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
Incident Energy (eV)
13
17-Cl-37

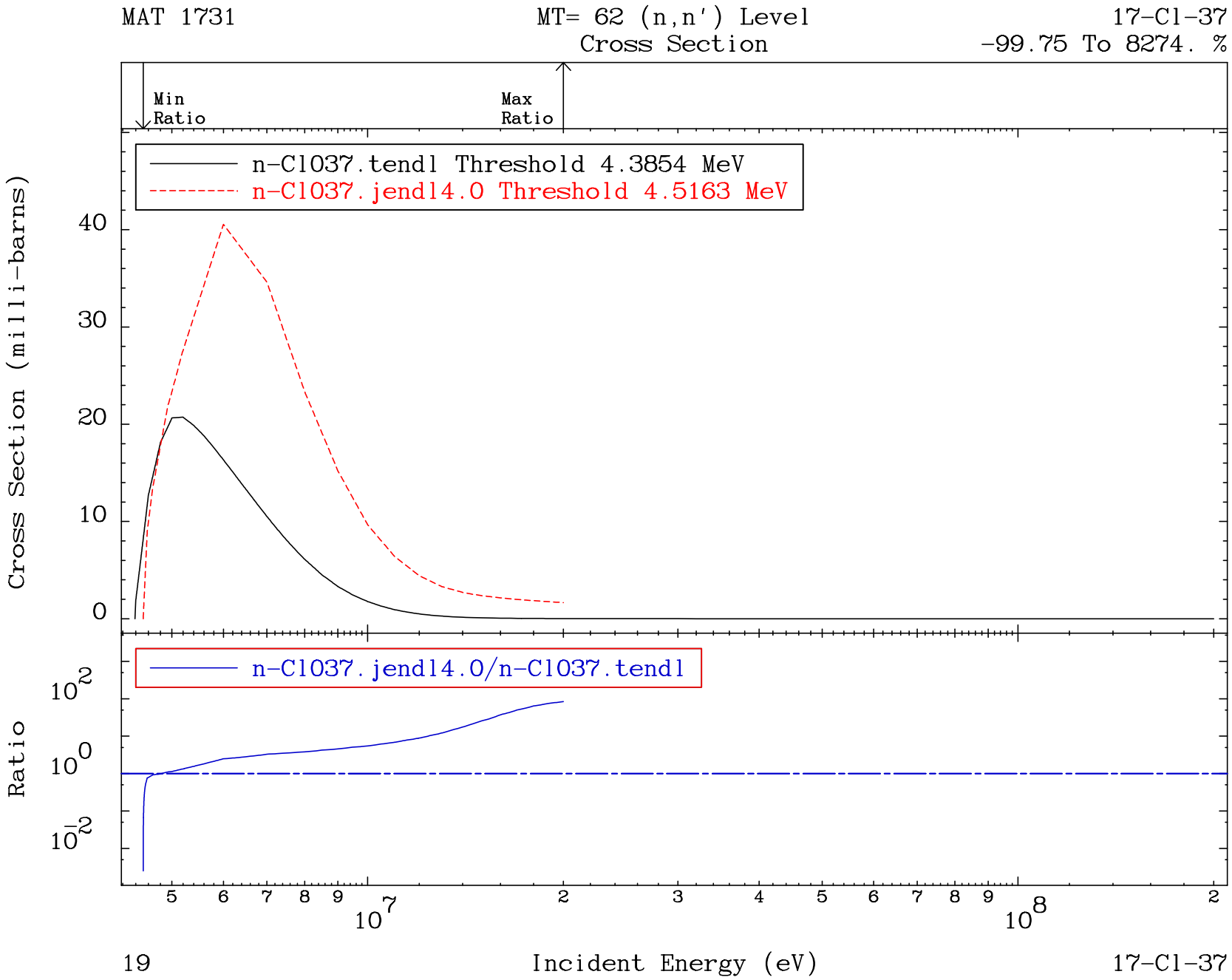

MAT 1731
MT= 57 (n,n') Level
Cross Section
17-Cl-37
-99.95 To -18.27%
Min Ratio
Max Ratio
n-Cl037.tendl Threshold 3.8433 MeV
n-Cl037.jendl4.0 Threshold 4.1193 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
10^0
10^-1
10^-2
10^-3
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
14
Incident Energy (eV)
17-Cl-37

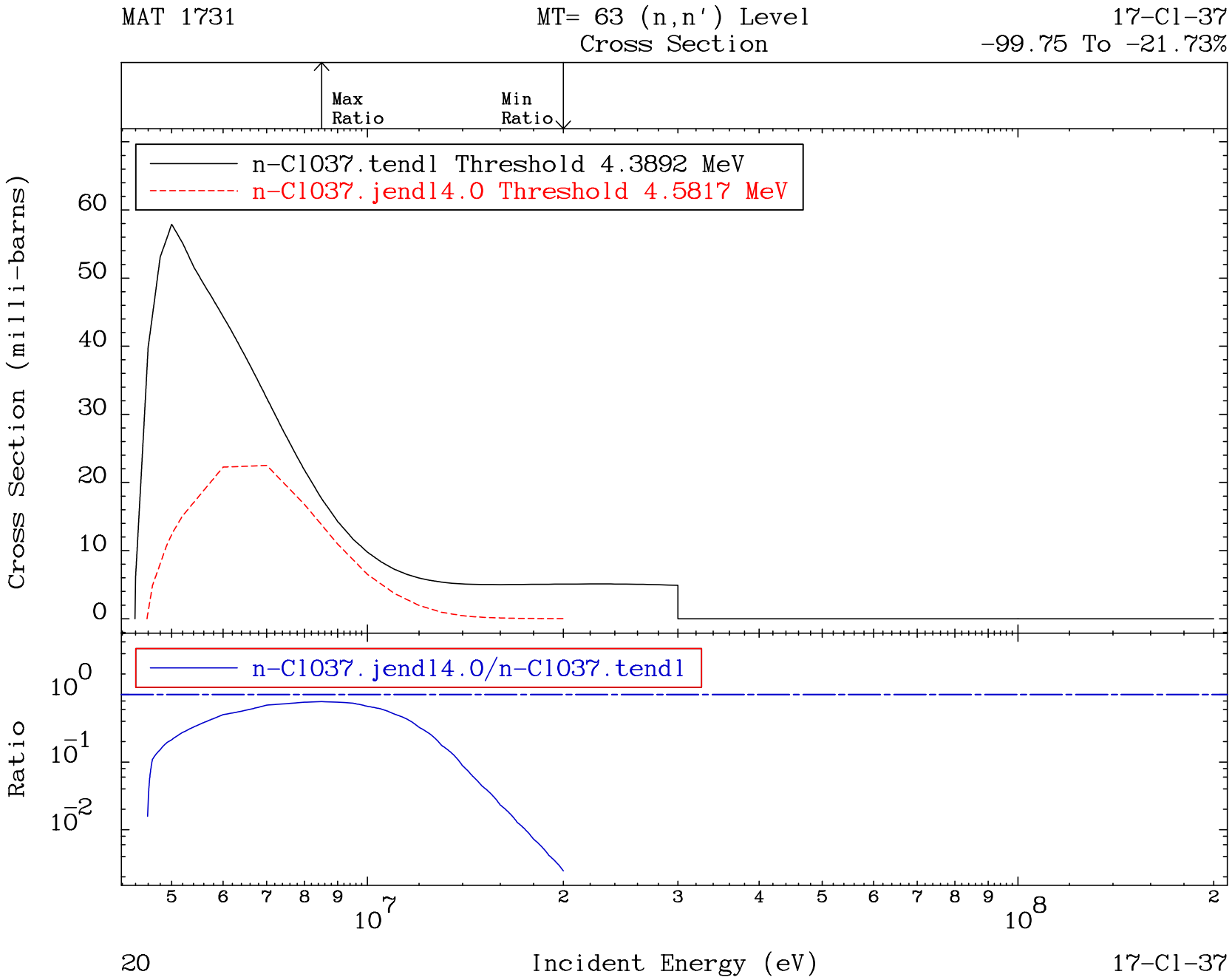

MAT 1731
MT= 58 (n,n') Level
Cross Section
17-Cl-37
-99.62 To -5.008%
Min Ratio
Max Ratio
n-Cl037.tendl Threshold 4.1194 MeV
n-Cl037.jendl4.0 Threshold 4.1259 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
10^0
10^-1
10^-2
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
15
Incident Energy (eV)
17-Cl-37

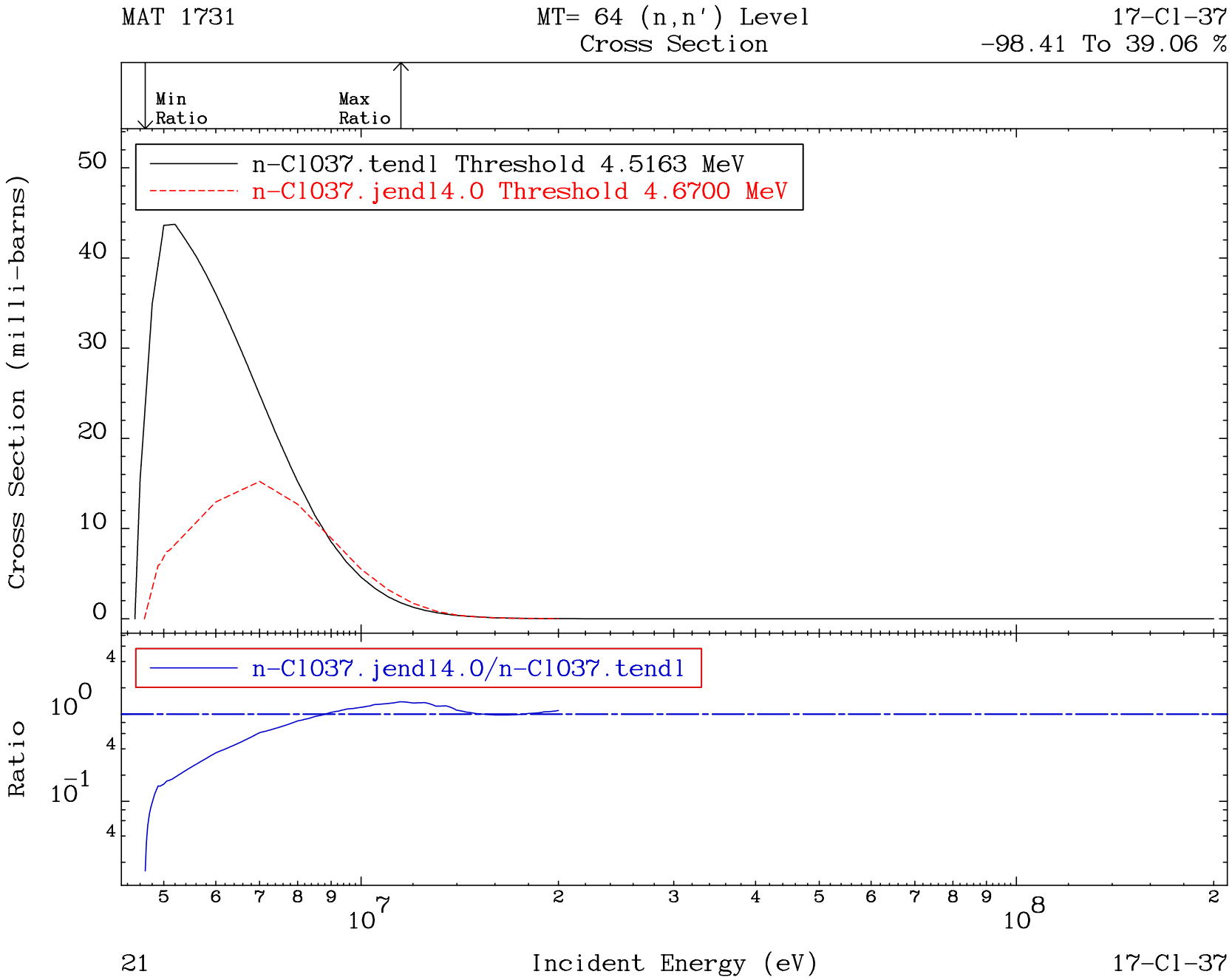

MAT 1731
MT= 59 (n,n') Level
Cross Section
17-Cl-37
-99.96 To 9999. %
Min
Ratio
Max
Ratio
n-Cl037.tendl Threshold 4.1259 MeV
n-Cl037.jendl4.0 Threshold 4.2906 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
10^2
10^0
10^-2
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
16
Incident Energy (eV)
17-Cl-37

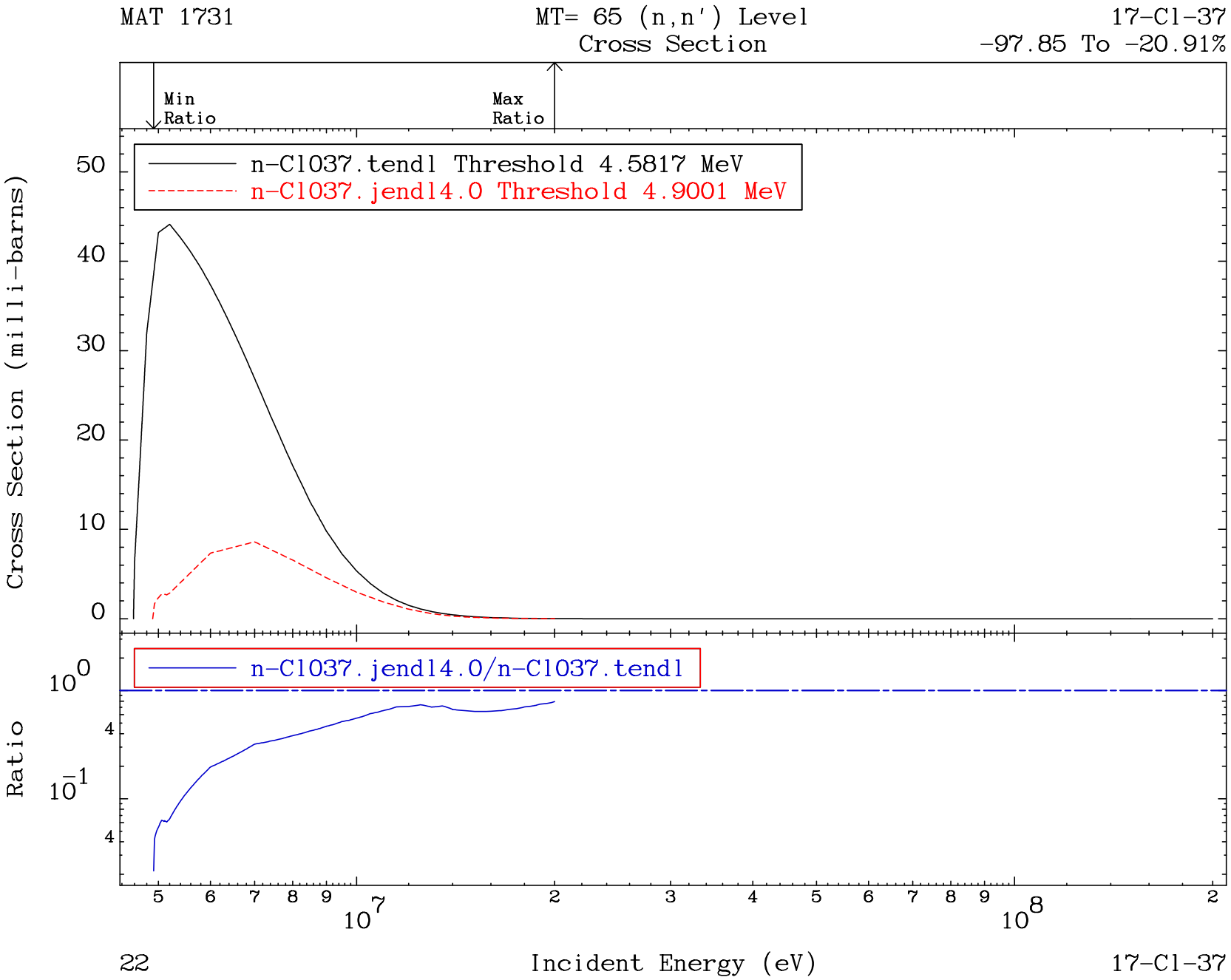

MAT 1731
MT= 60 (n,n') Level
Cross Section
17-Cl-37
-99.82 To -3.417%
Min Ratio
Max Ratio
n-Cl037.tendl Threshold 4.2906 MeV
n-Cl037.jendl4.0 Threshold 4.3854 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
10^0
10^-1
10^-2
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
17
Incident Energy (eV)
17-Cl-37

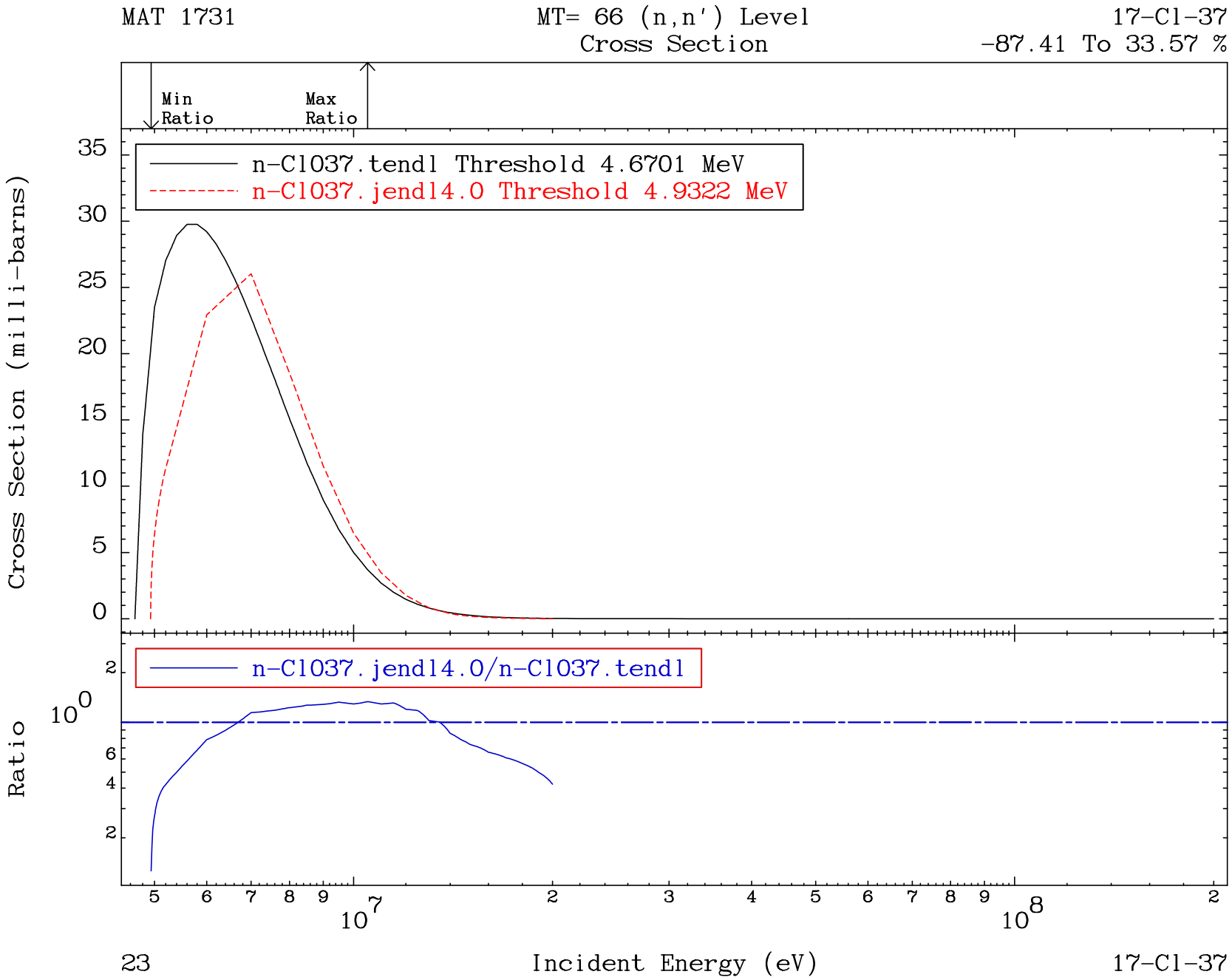

MAT 1731
MT= 61 (n,n') Level
Cross Section
17-Cl-37
-99.83 To 36.98 %
Min Ratio
Max Ratio
n-Cl037.tendl Threshold 4.3783 MeV
n-Cl037.jendl4.0 Threshold 4.3892 MeV
Cross Section (milli-barns)
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
Incident Energy (eV)
18
17-Cl-37

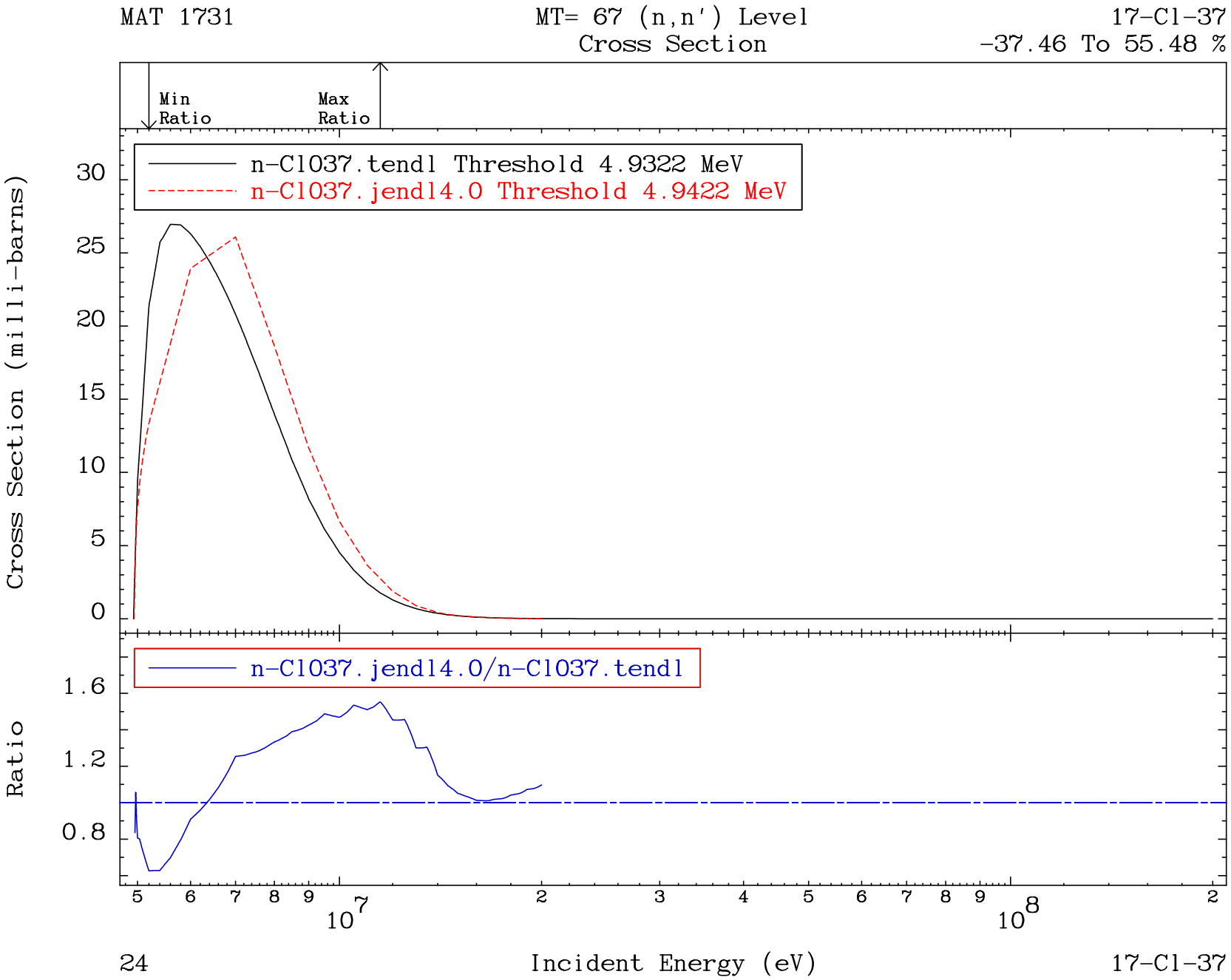

MAT 1731
MT= 62 (n,n') Level
Cross Section
17-Cl-37
-99.75 To 8274. %
Min Ratio
Max Ratio
n-Cl037.tendl Threshold 4.3854 MeV
n-Cl037.jendl4.0 Threshold 4.5163 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
10^2
10^0
10^-2
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
19
Incident Energy (eV)
17-Cl-37

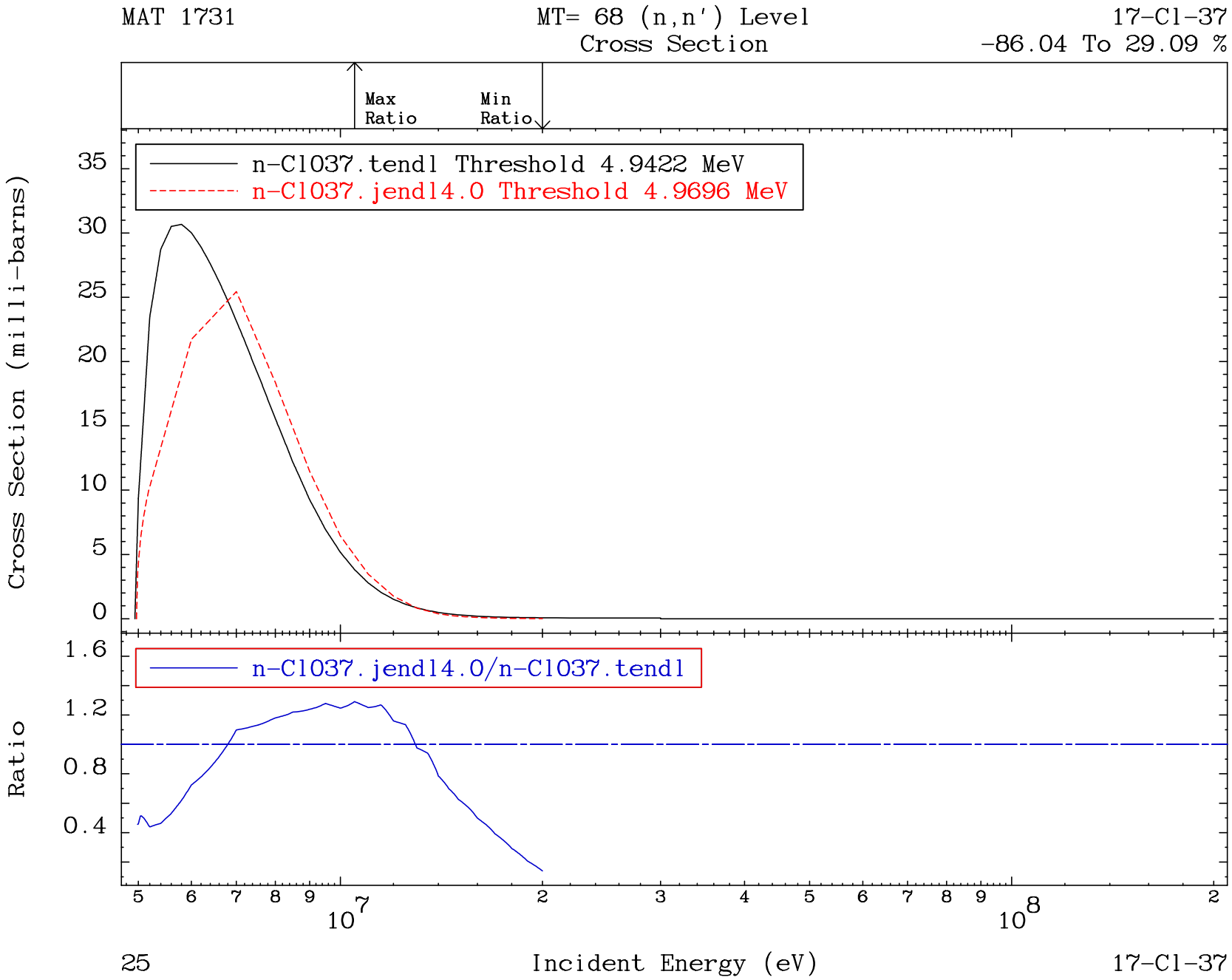

MAT 1731
MT= 63 (n,n') Level
Cross Section
17-Cl-37
-99.75 To -21.73%
Max Ratio
Min Ratio
n-Cl037.tendl Threshold 4.3892 MeV
n-Cl037.jendl4.0 Threshold 4.5817 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
10^0
10^-1
10^-2
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
20
Incident Energy (eV)
17-Cl-37

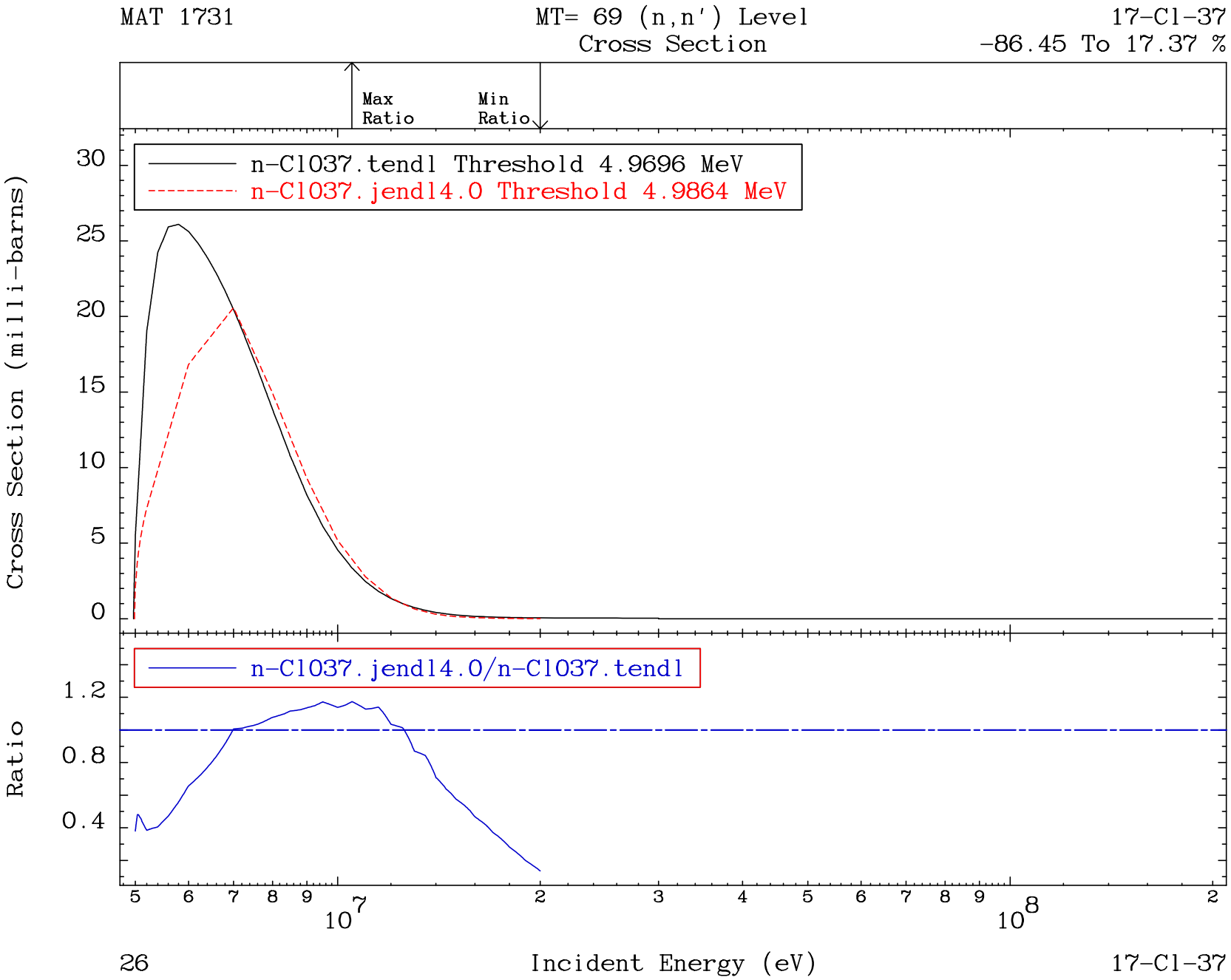

MAT 1731
MT= 64 (n,n') Level
Cross Section
17-Cl-37
-98.41 To 39.06 %
Min Ratio
Max Ratio
n-Cl037.tendl Threshold 4.5163 MeV
n-Cl037.jendl4.0 Threshold 4.6700 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
10^0
10^{-1}
4
4
4
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
21
Incident Energy (eV)
17-Cl-37

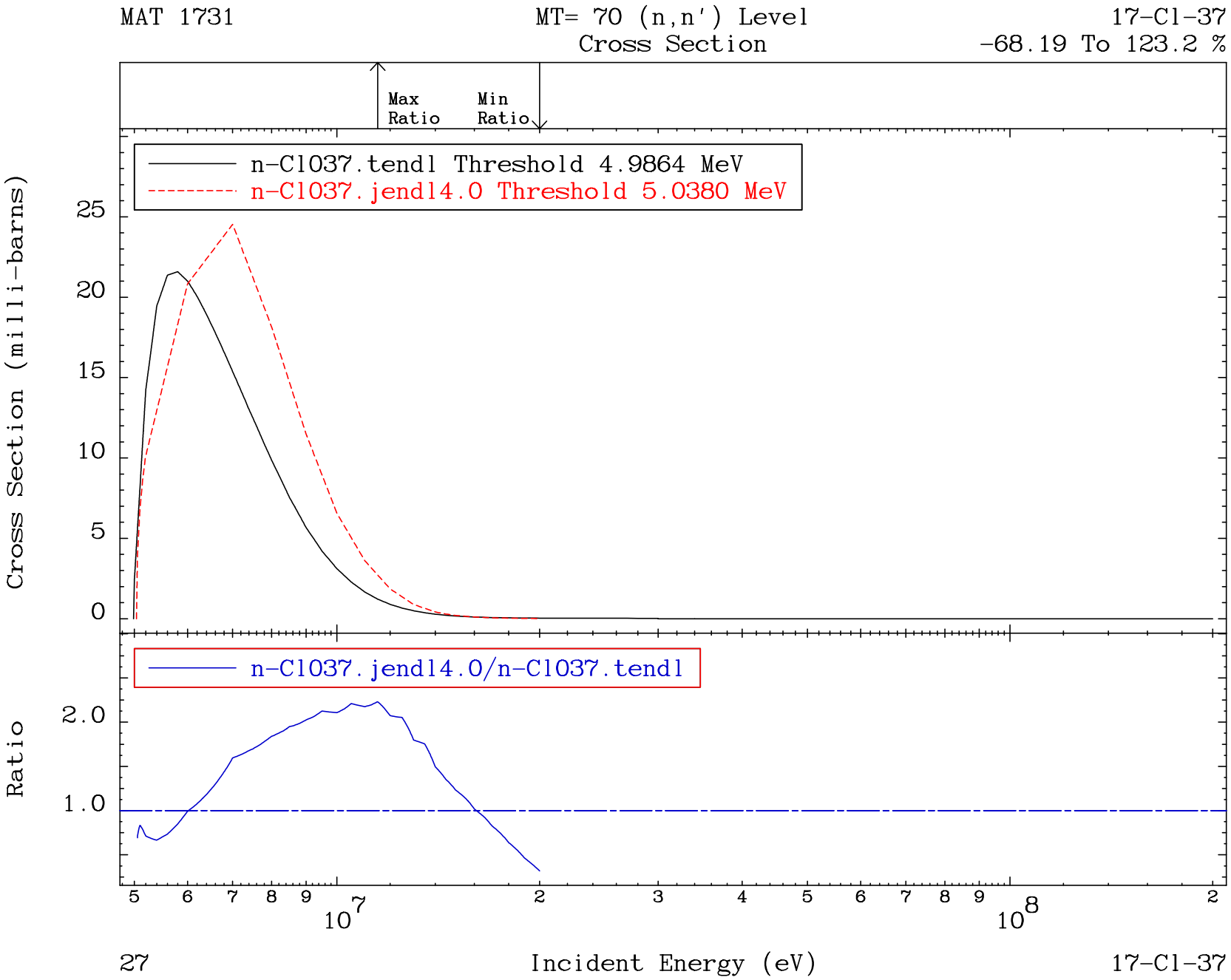

MAT 1731
MT= 65 (n,n') Level
Cross Section
17-Cl-37
-97.85 To -20.91%
Min Ratio
Max Ratio
n-Cl037.tendl Threshold 4.5817 MeV
n-Cl037.jendl4.0 Threshold 4.9001 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
10^0
10^-1
4
4
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
22
Incident Energy (eV)
17-Cl-37

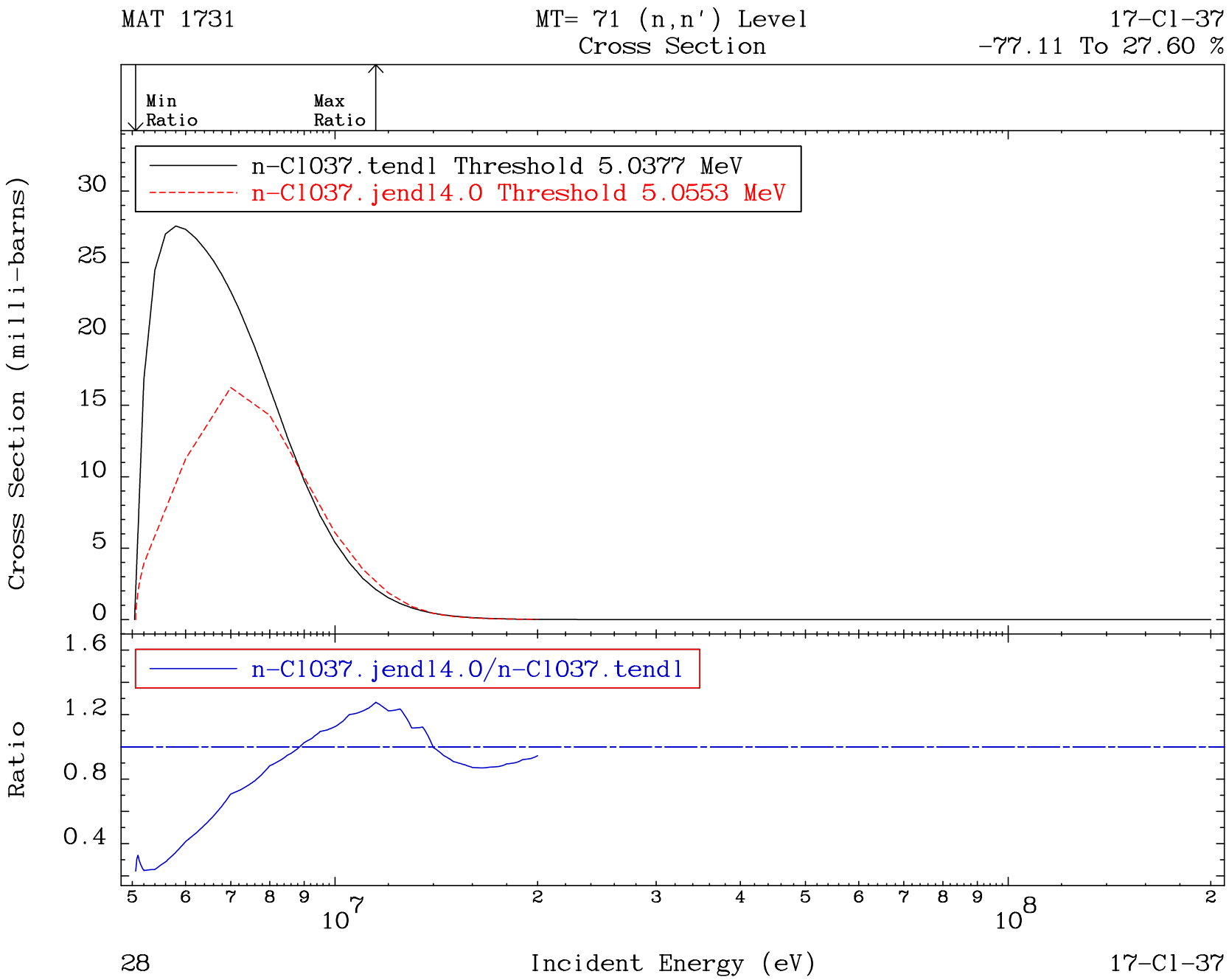

MAT 1731
MT= 66 (n,n') Level
Cross Section
17-Cl-37
-87.41 To 33.57 %
Min Ratio
Max Ratio
n-Cl037.tendl Threshold 4.6701 MeV
n-Cl037.jendl4.0 Threshold 4.9322 MeV
Cross Section (milli-barns)
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
Incident Energy (eV)
23
17-Cl-37

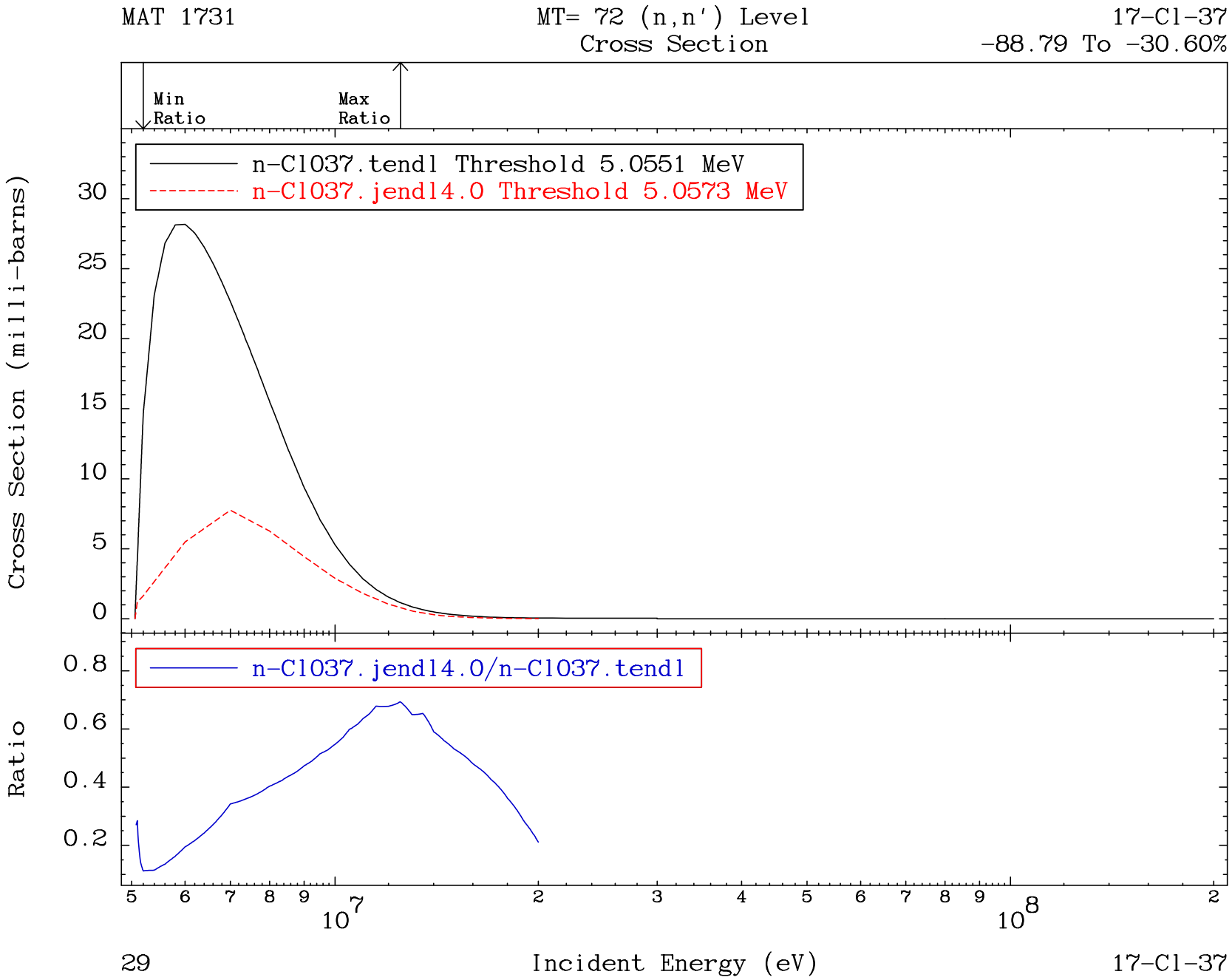

MAT 1731
MT= 67 (n,n') Level
Cross Section
17-Cl-37
-37.46 To 55.48 %
Min Ratio
Max Ratio
n-Cl037.tendl Threshold 4.9322 MeV
n-Cl037.jendl4.0 Threshold 4.9422 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
1.6
1.2
0.8
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
24
Incident Energy (eV)
17-Cl-37

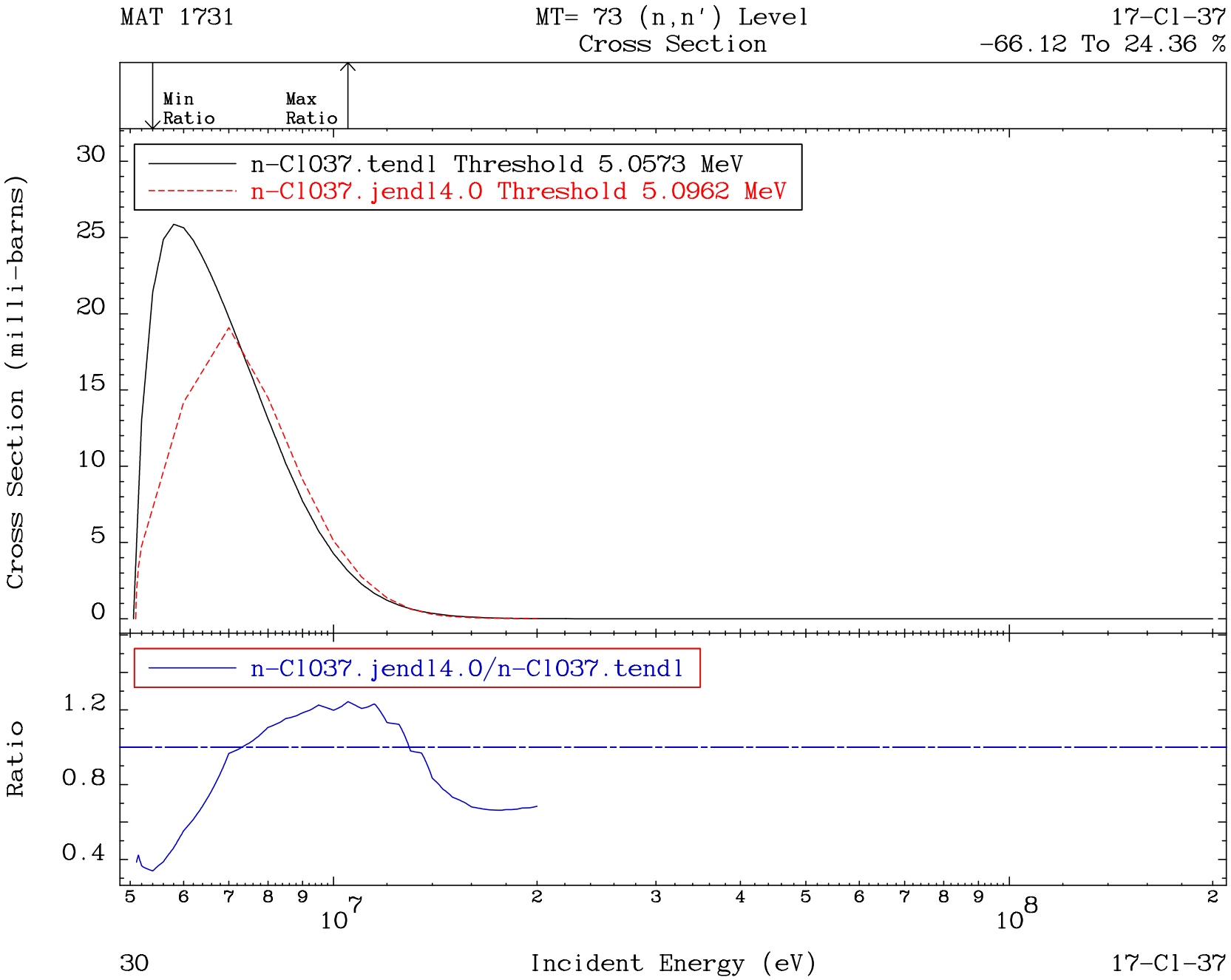

MAT 1731
MT= 68 (n,n') Level
Cross Section
17-Cl-37
-86.04 To 29.09 %
Max Ratio
Min Ratio
n-Cl037.tendl Threshold 4.9422 MeV
n-Cl037.jendl4.0 Threshold 4.9696 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
1.6
1.2
0.8
0.4
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
25
Incident Energy (eV)
17-Cl-37

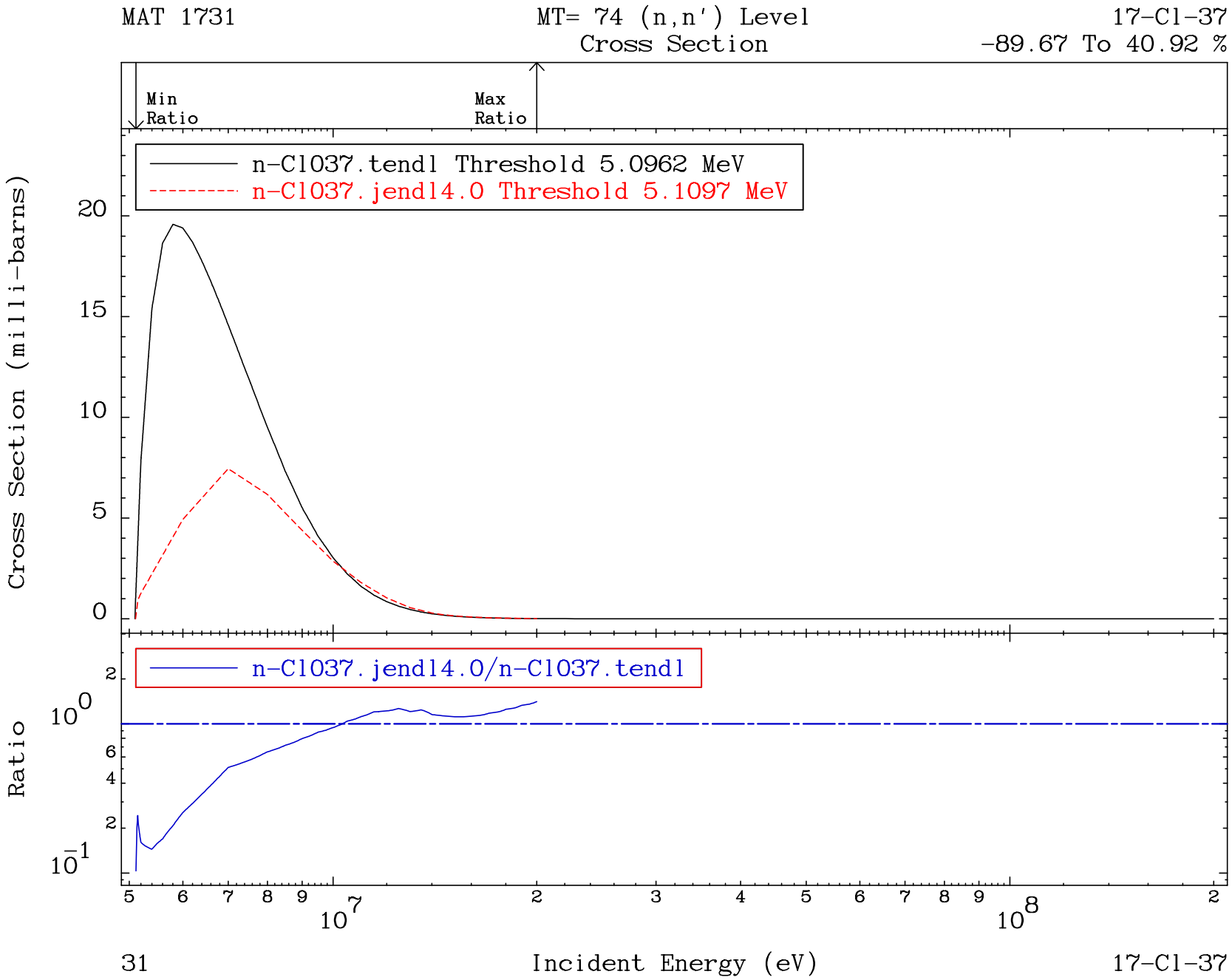

MAT 1731
MT= 69 (n,n') Level
Cross Section
17-Cl-37
-86.45 To 17.37 %
Max Ratio
Min Ratio
n-Cl037.tendl Threshold 4.9696 MeV
n-Cl037.jendl4.0 Threshold 4.9864 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
1.2
0.8
0.4
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
26
Incident Energy (eV)
17-Cl-37

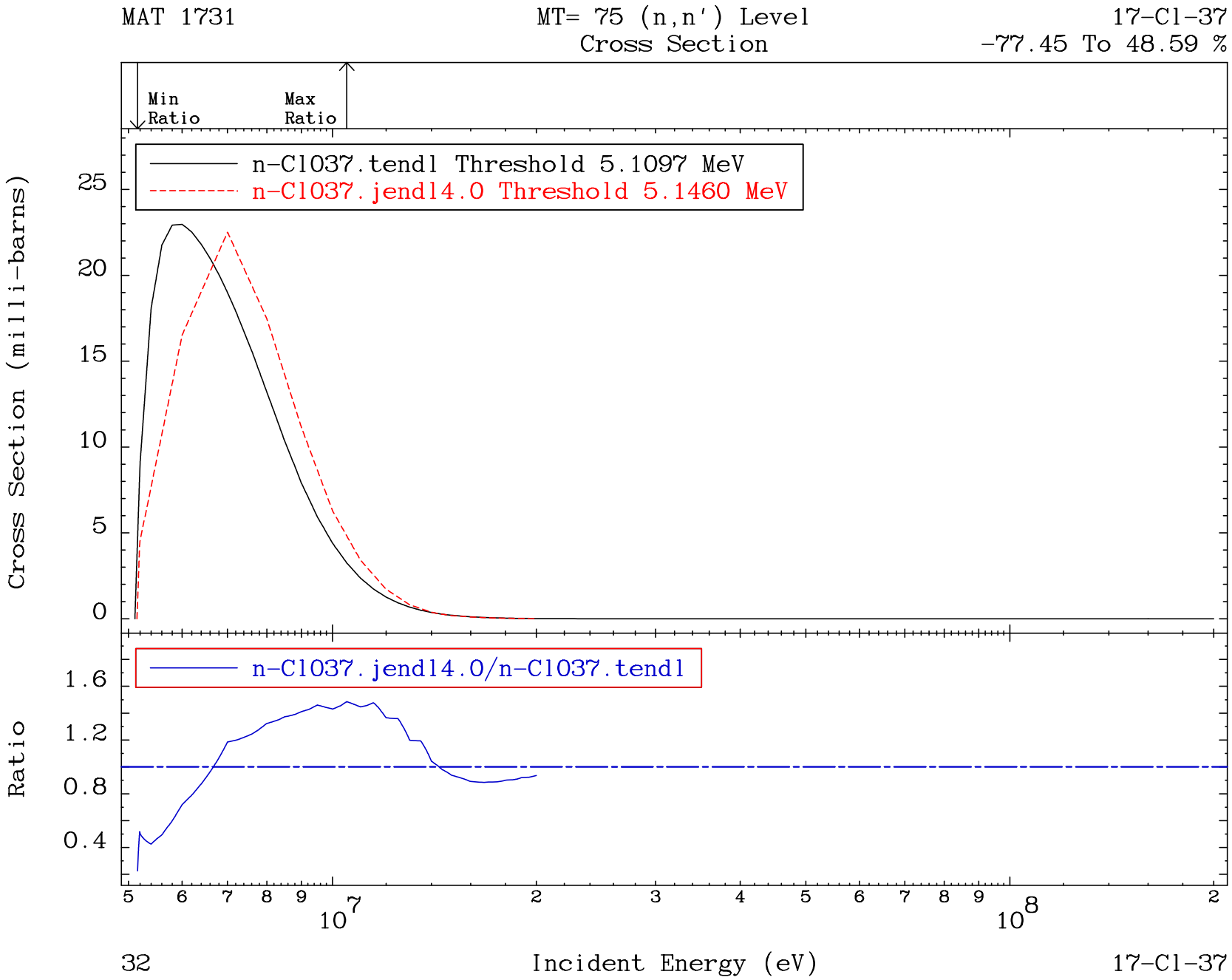

MAT 1731
MT= 70 (n,n') Level
Cross Section
17-Cl-37
-68.19 To 123.2 %
Max Ratio
Min Ratio
n-Cl037.tendl Threshold 4.9864 MeV
n-Cl037.jendl4.0 Threshold 5.0380 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
2.0
1.0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
27
Incident Energy (eV)
17-Cl-37

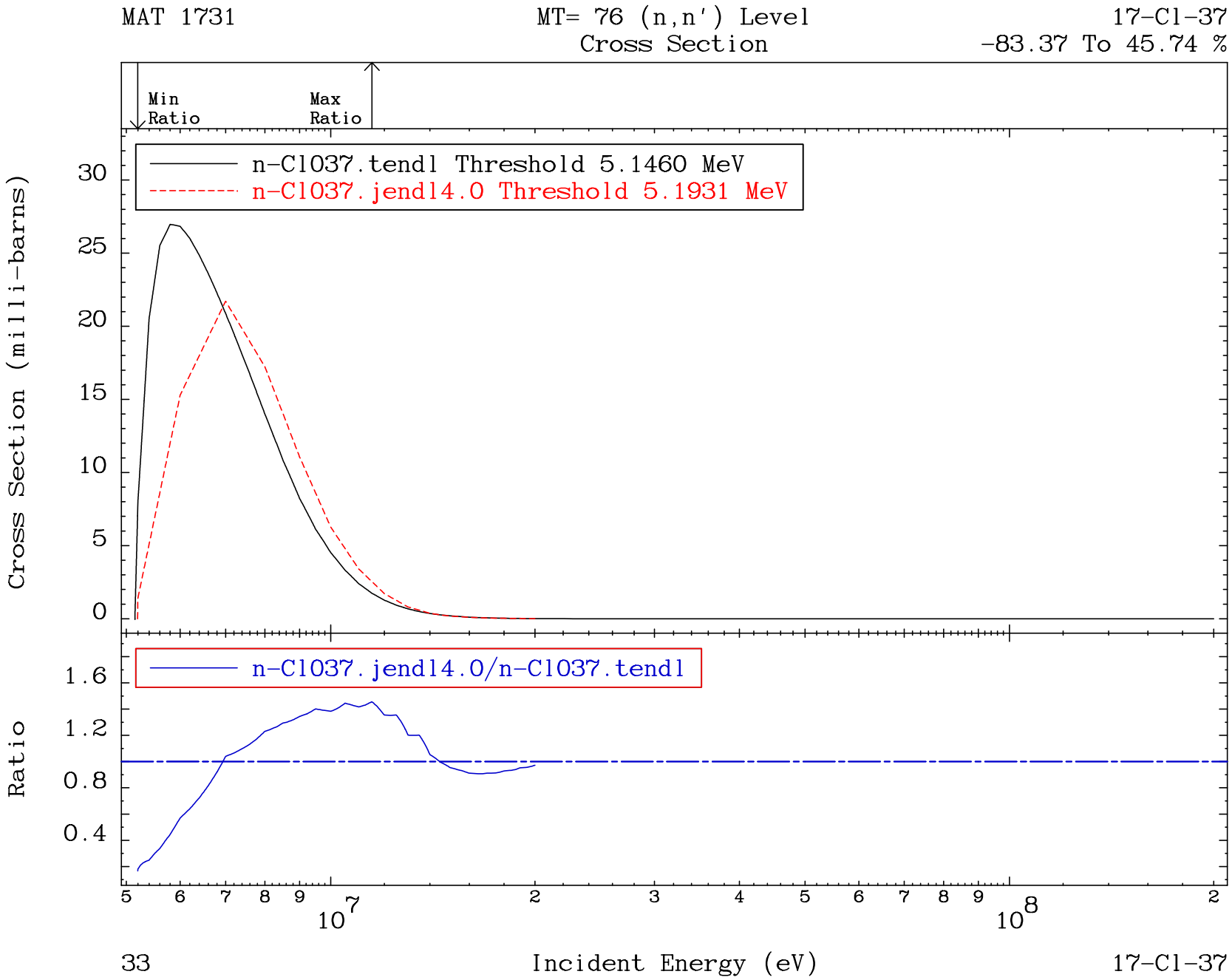

MAT 1731
MT= 71 (n,n') Level
Cross Section
17-Cl-37
-77.11 To 27.60 %
Min Ratio
Max Ratio
n-Cl037.tendl Threshold 5.0377 MeV
n-Cl037.jendl4.0 Threshold 5.0553 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
1.6
1.2
0.8
0.4
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
28
Incident Energy (eV)
17-Cl-37

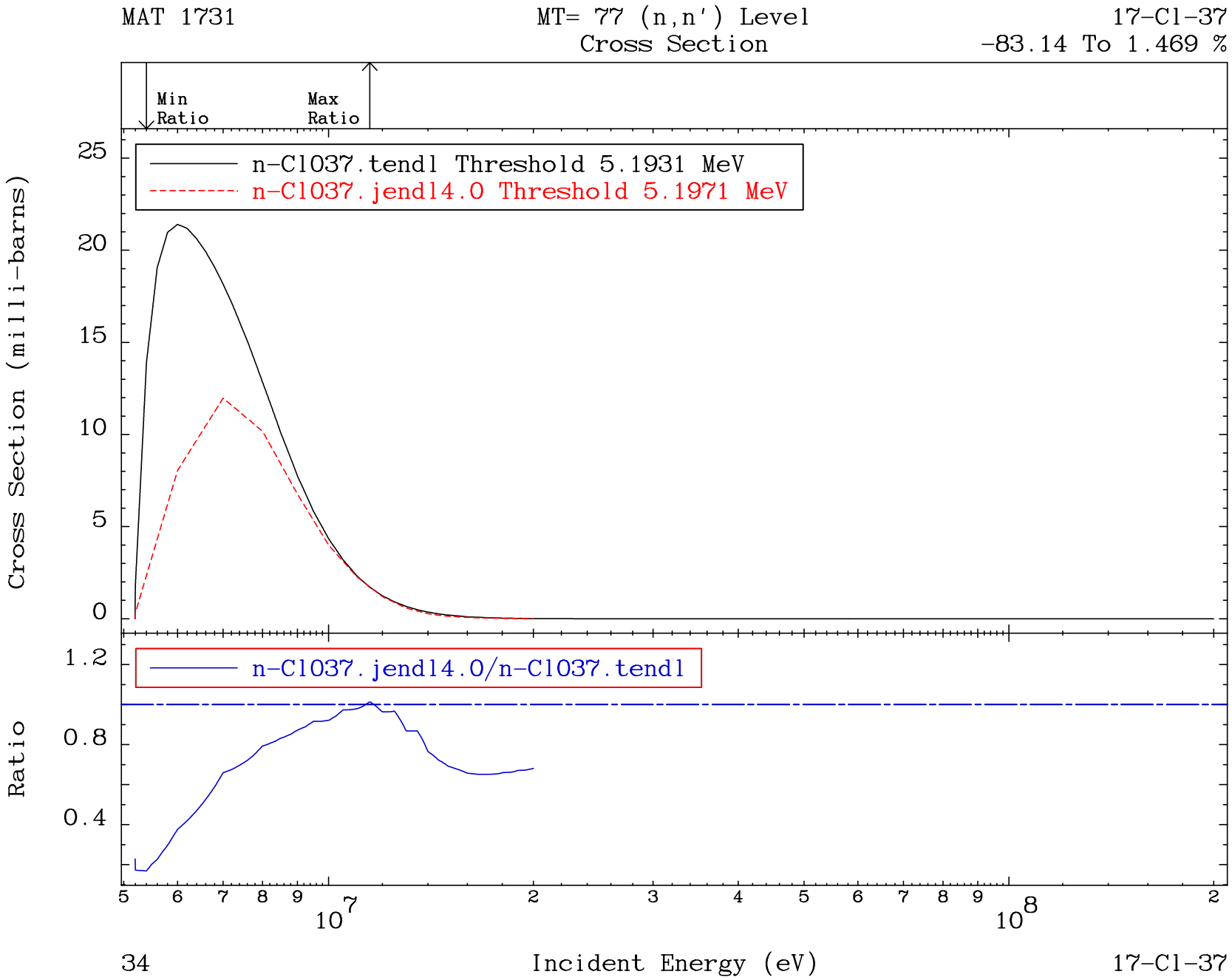

MAT 1731
MT= 72 (n,n') Level
Cross Section
17-Cl-37
-88.79 To -30.60%
Min Ratio
Max Ratio
n-Cl037.tendl Threshold 5.0551 MeV
n-Cl037.jendl4.0 Threshold 5.0573 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
0.8
0.6
0.4
0.2
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
29
Incident Energy (eV)
17-Cl-37

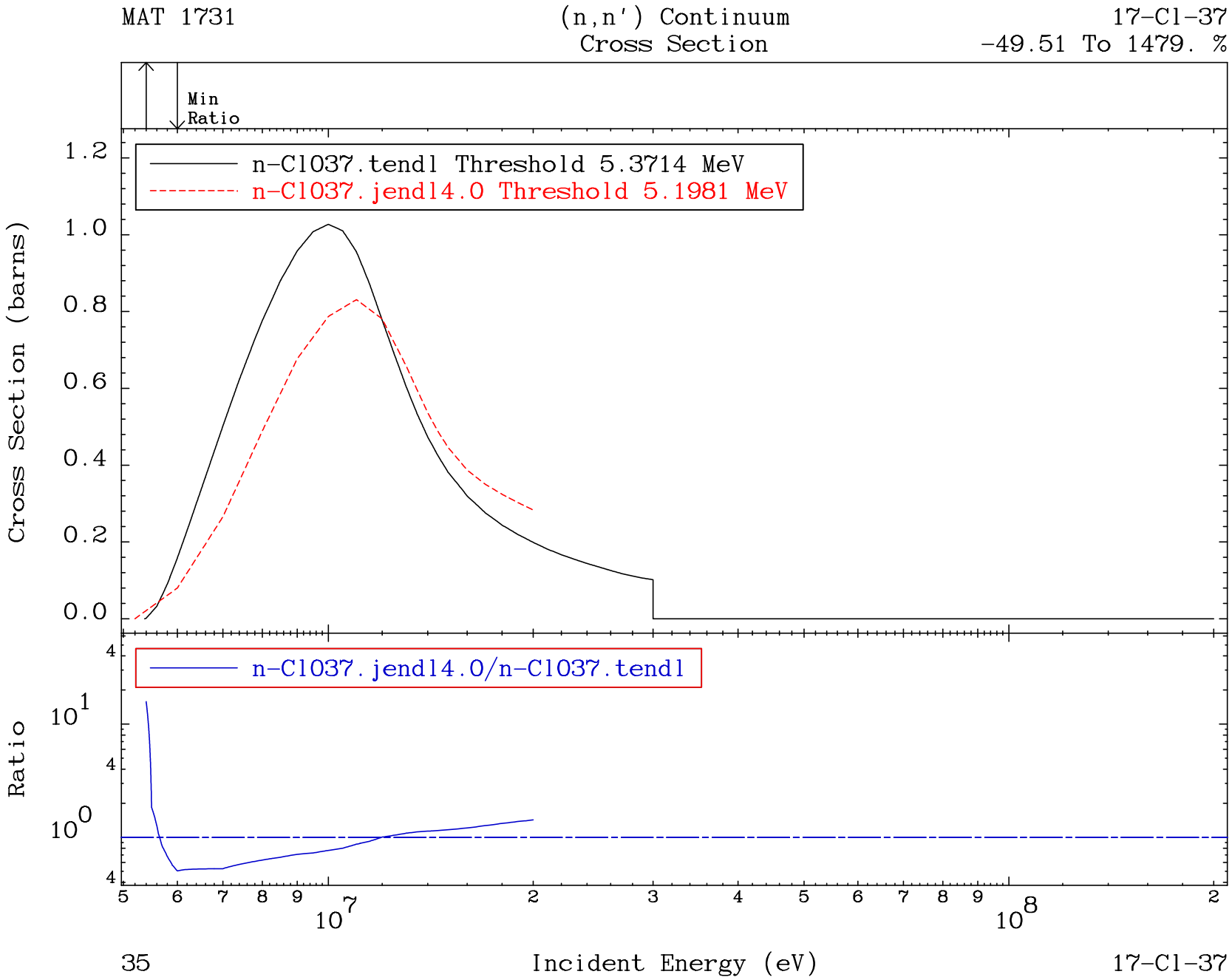

MAT 1731
MT= 73 (n,n') Level
Cross Section
17-Cl-37
-66.12 To 24.36 %
Min Ratio
Max Ratio
n-Cl037.tendl Threshold 5.0573 MeV
n-Cl037.jendl4.0 Threshold 5.0962 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
1.2
0.8
0.4
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
30
Incident Energy (eV)
17-Cl-37

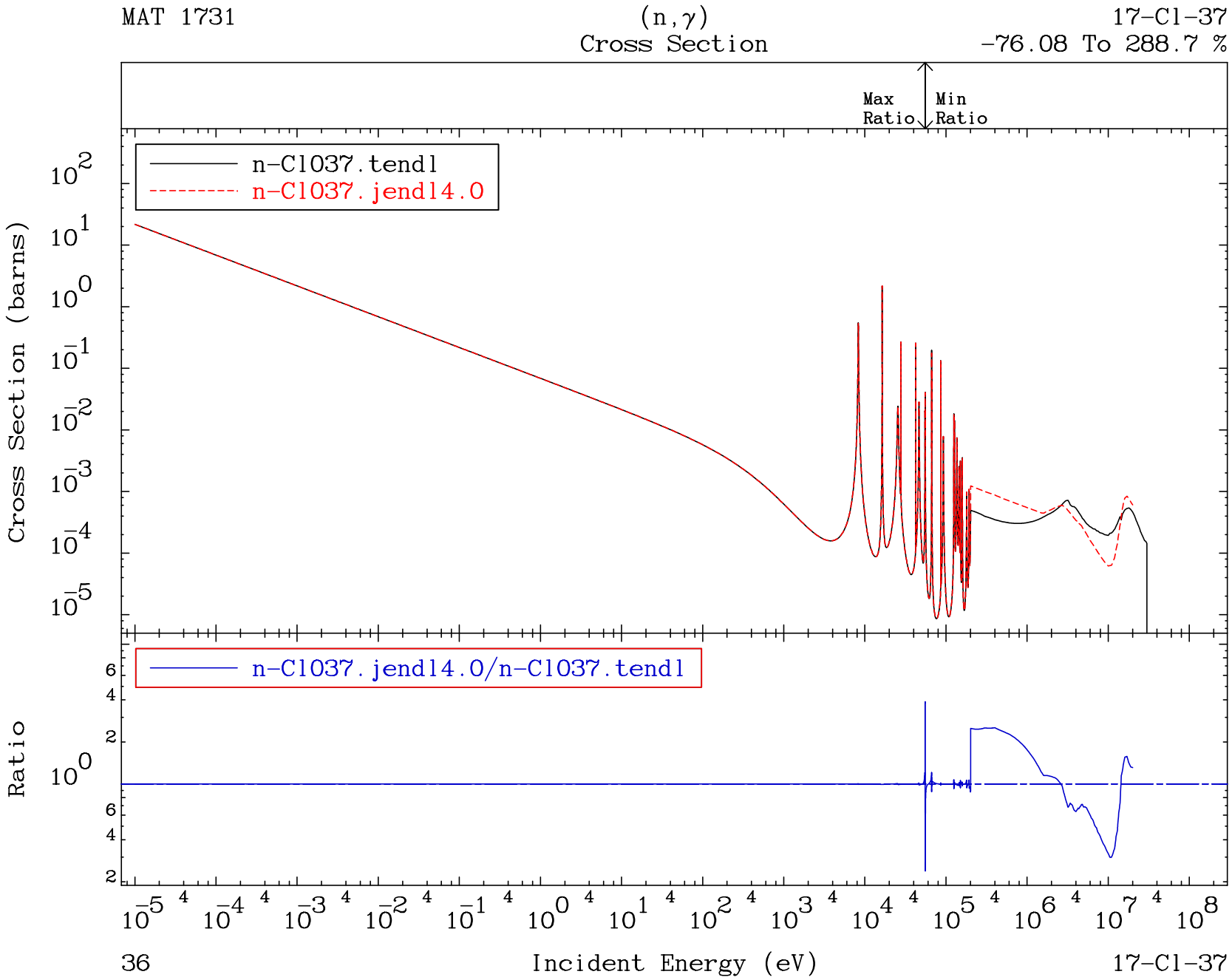

MAT 1731
MT= 74 (n,n') Level
Cross Section
17-Cl-37
-89.67 To 40.92 %
Min Ratio
Max Ratio
n-Cl037.tendl Threshold 5.0962 MeV
n-Cl037.jendl4.0 Threshold 5.1097 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
2
10^0
6
4
2
10^-1
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
31
Incident Energy (eV)
17-Cl-37

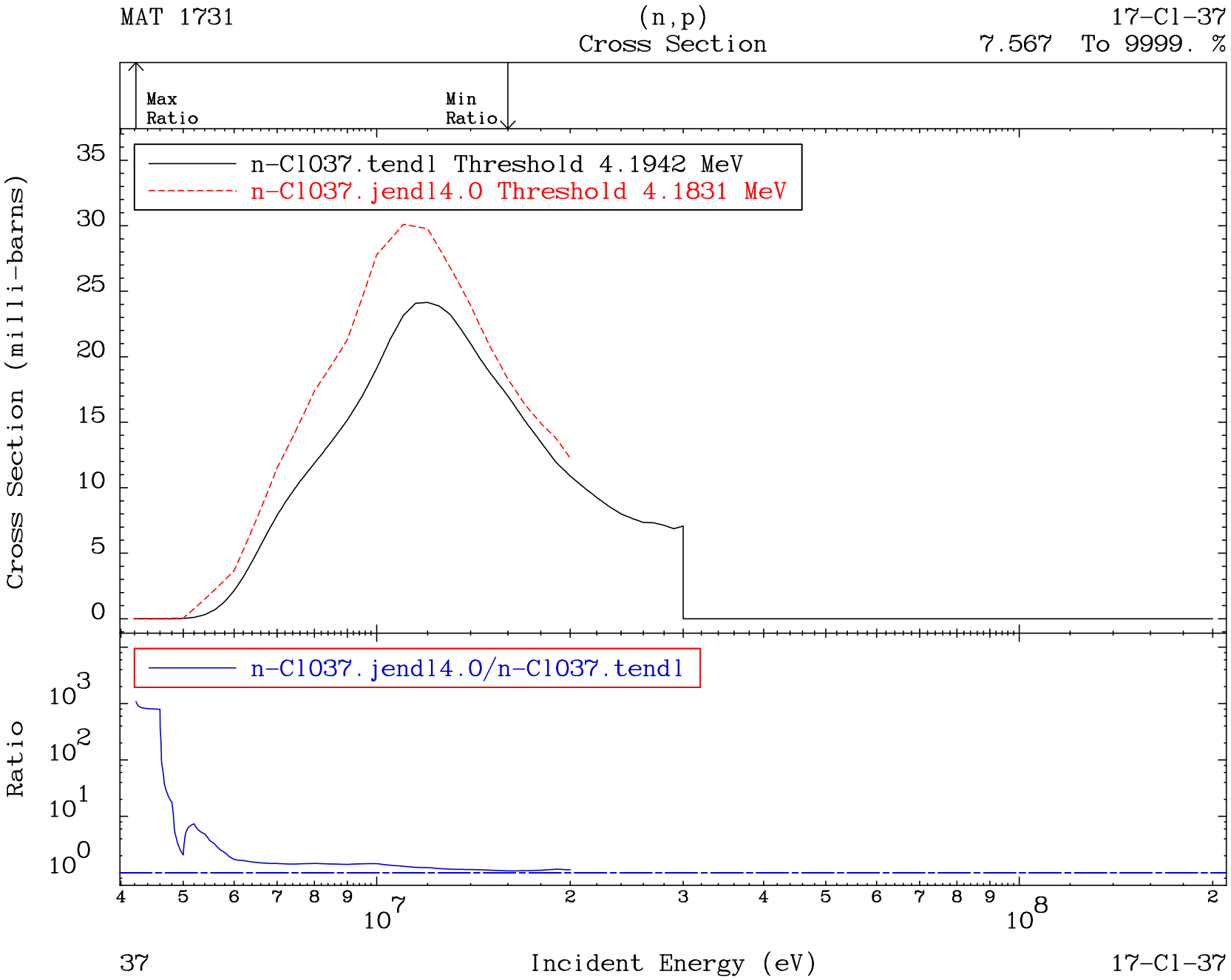

MAT 1731
MT= 75 (n,n') Level
Cross Section
17-Cl-37
-77.45 To 48.59 %
Min Ratio
Max Ratio
n-Cl037.tendl Threshold 5.1097 MeV
n-Cl037.jendl4.0 Threshold 5.1460 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
1.6
1.2
0.8
0.4
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
32
Incident Energy (eV)
17-Cl-37

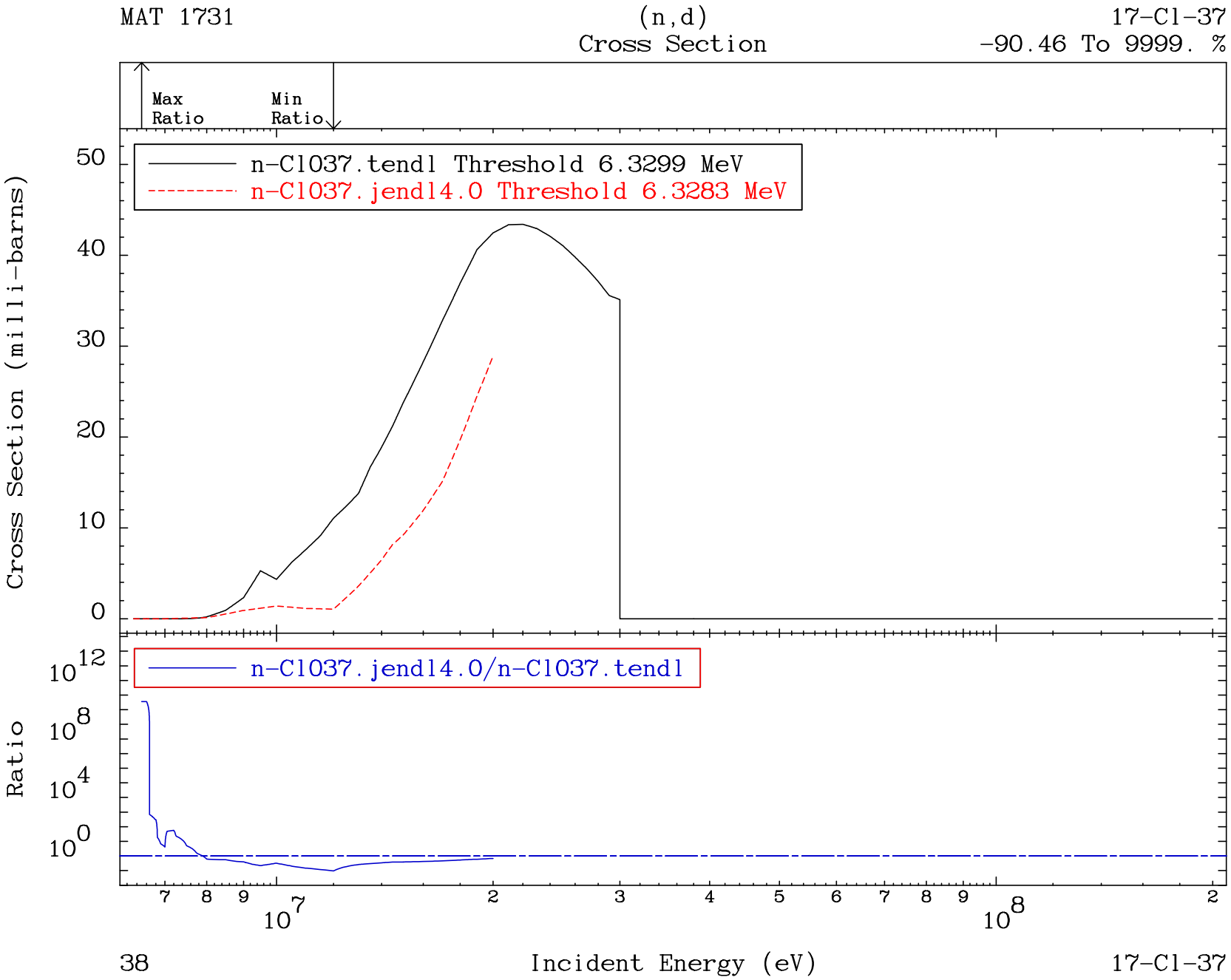

MAT 1731
MT= 76 (n,n') Level
Cross Section
17-Cl-37
-83.37 To 45.74 %
Min Ratio
Max Ratio
n-Cl037.tendl Threshold 5.1460 MeV
n-Cl037.jendl4.0 Threshold 5.1931 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
1.6
1.2
0.8
0.4
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
33
Incident Energy (eV)
17-Cl-37

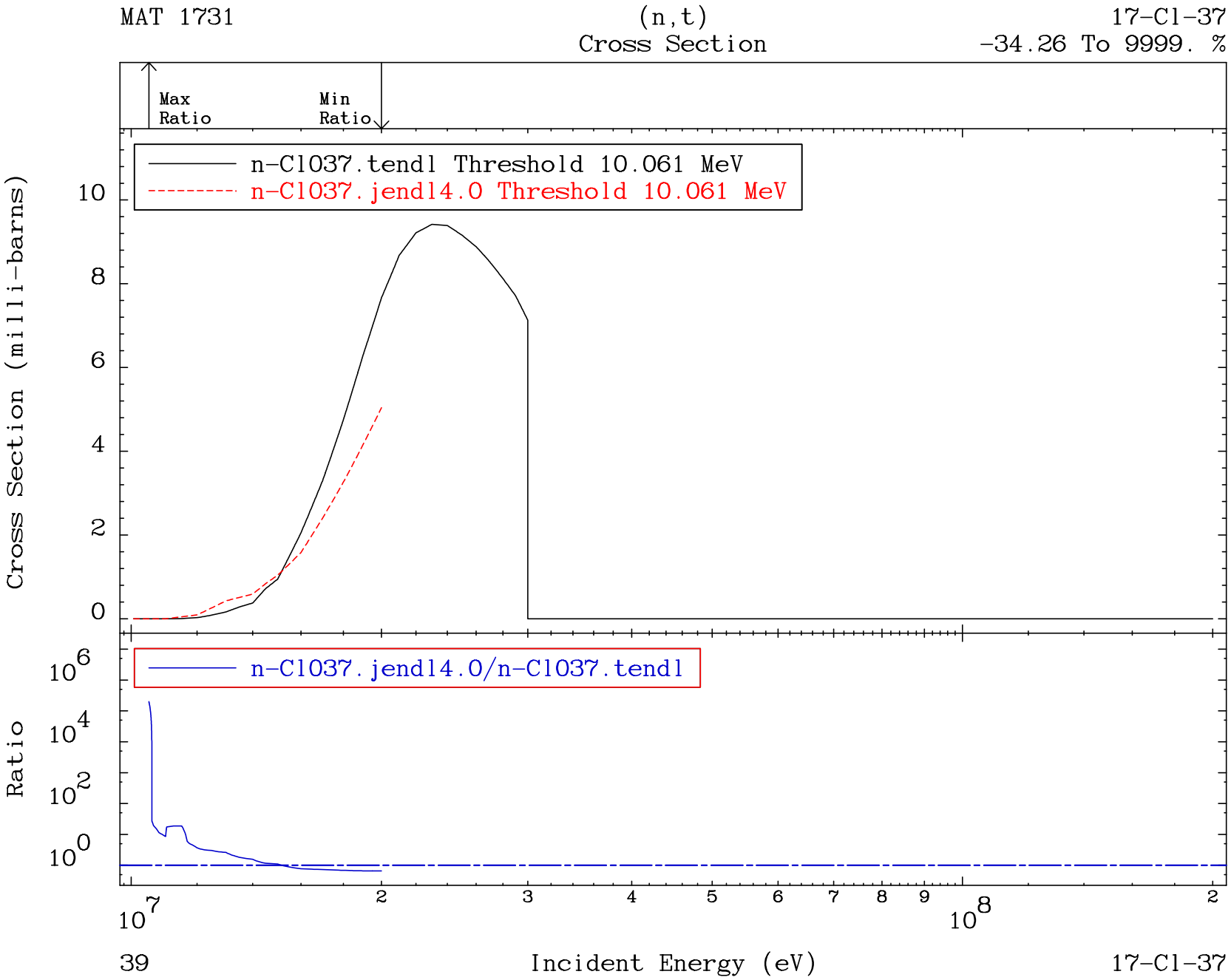

MAT 1731
MT= 77 (n,n') Level
Cross Section
17-Cl-37
-83.14 To 1.469 %
Min Ratio
Max Ratio
n-Cl037.tendl Threshold 5.1931 MeV
n-Cl037.jendl4.0 Threshold 5.1971 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
1.2
0.8
0.4
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
34
Incident Energy (eV)
17-Cl-37

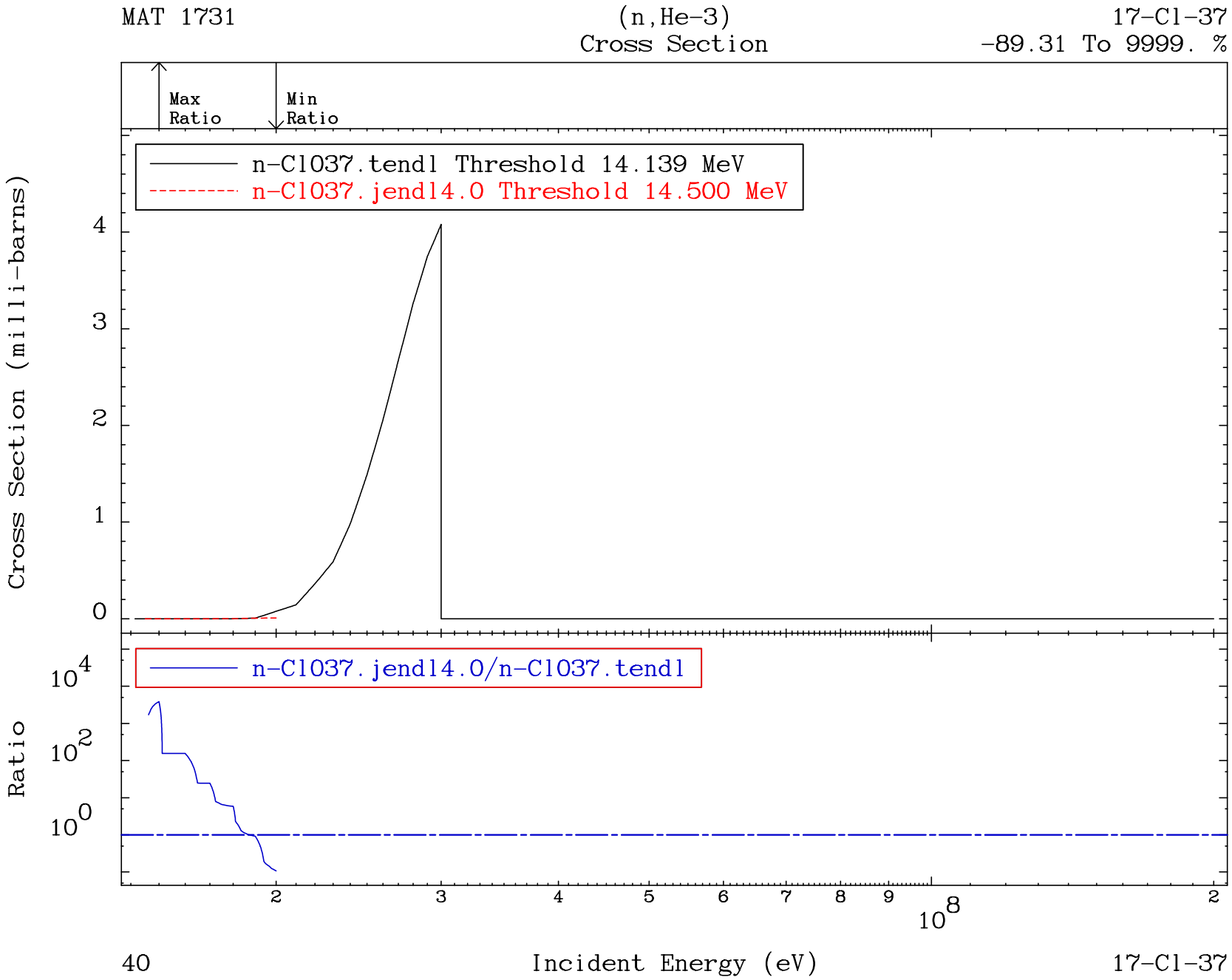

MAT 1731
(n,n') Continuum
Cross Section
17-Cl-37
-49.51 To 1479. %
Min
Ratio
n-Cl037.tendl Threshold 5.3714 MeV
n-Cl037.jendl4.0 Threshold 5.1981 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
10^1
10^0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
35
Incident Energy (eV)
17-Cl-37

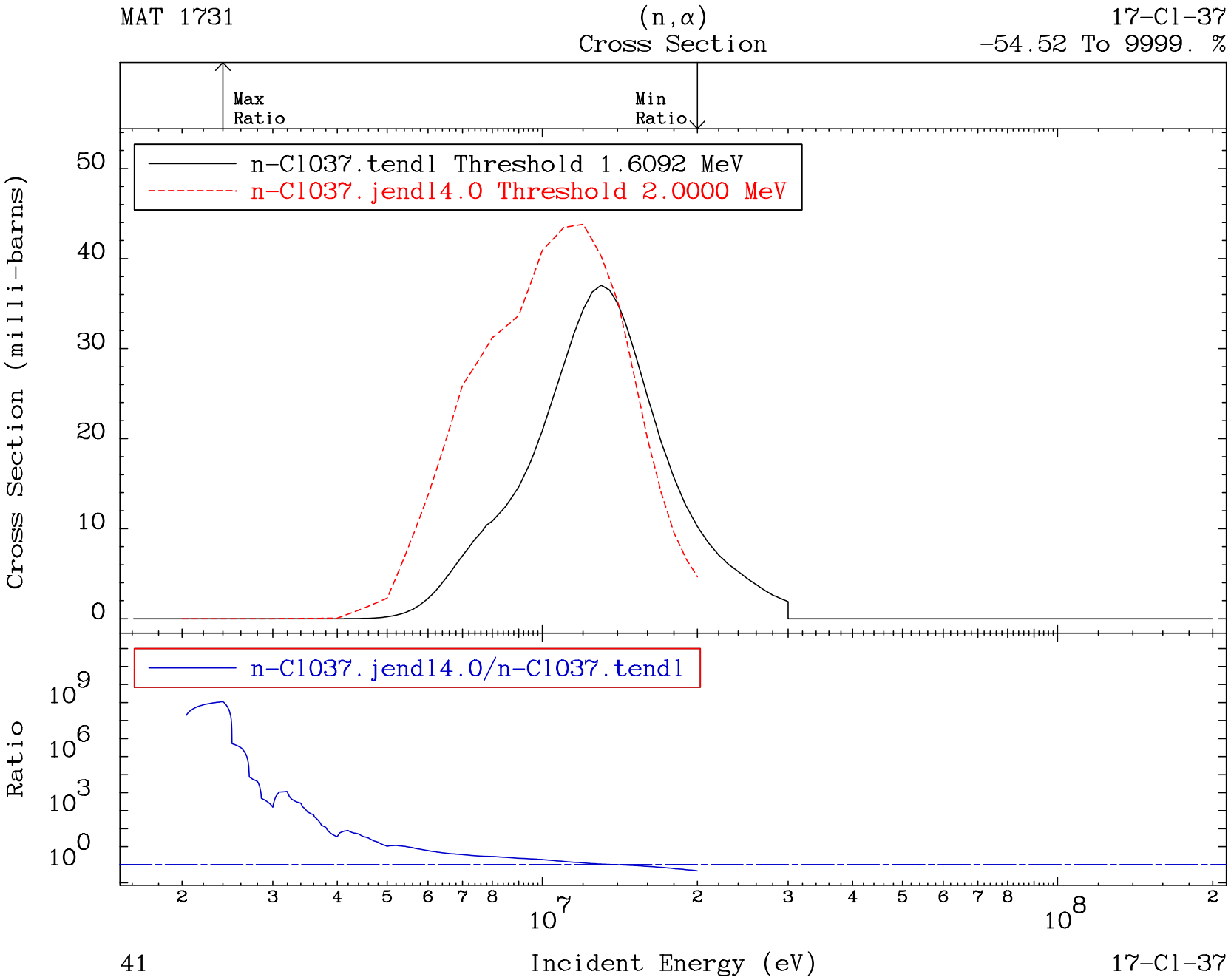

MAT 1731
(n,γ)
Cross Section
17-Cl-37
-76.08 To 288.7 %
Max Ratio
Min Ratio
n-Cl037.tendl
n-Cl037.jendl4.0
Cross Section (barns)
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
Incident Energy (eV)
36
17-Cl-37

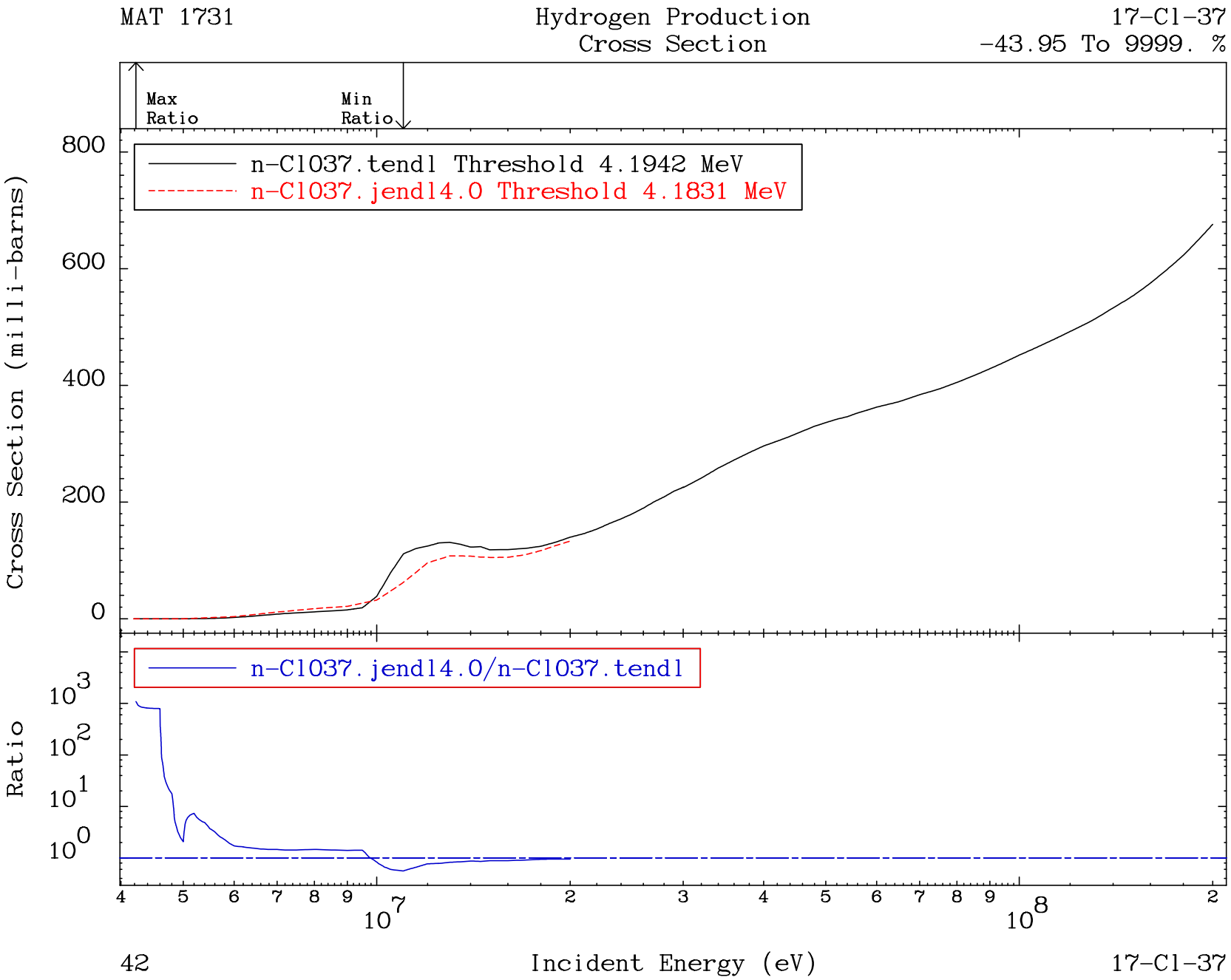

MAT 1731
(n,p)
Cross Section
17-Cl-37
7.567 To 9999. %
Max Ratio
Min Ratio
n-Cl037.tendl Threshold 4.1942 MeV
n-Cl037.jendl4.0 Threshold 4.1831 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
10^3
10^2
10^1
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
37
Incident Energy (eV)
17-Cl-37

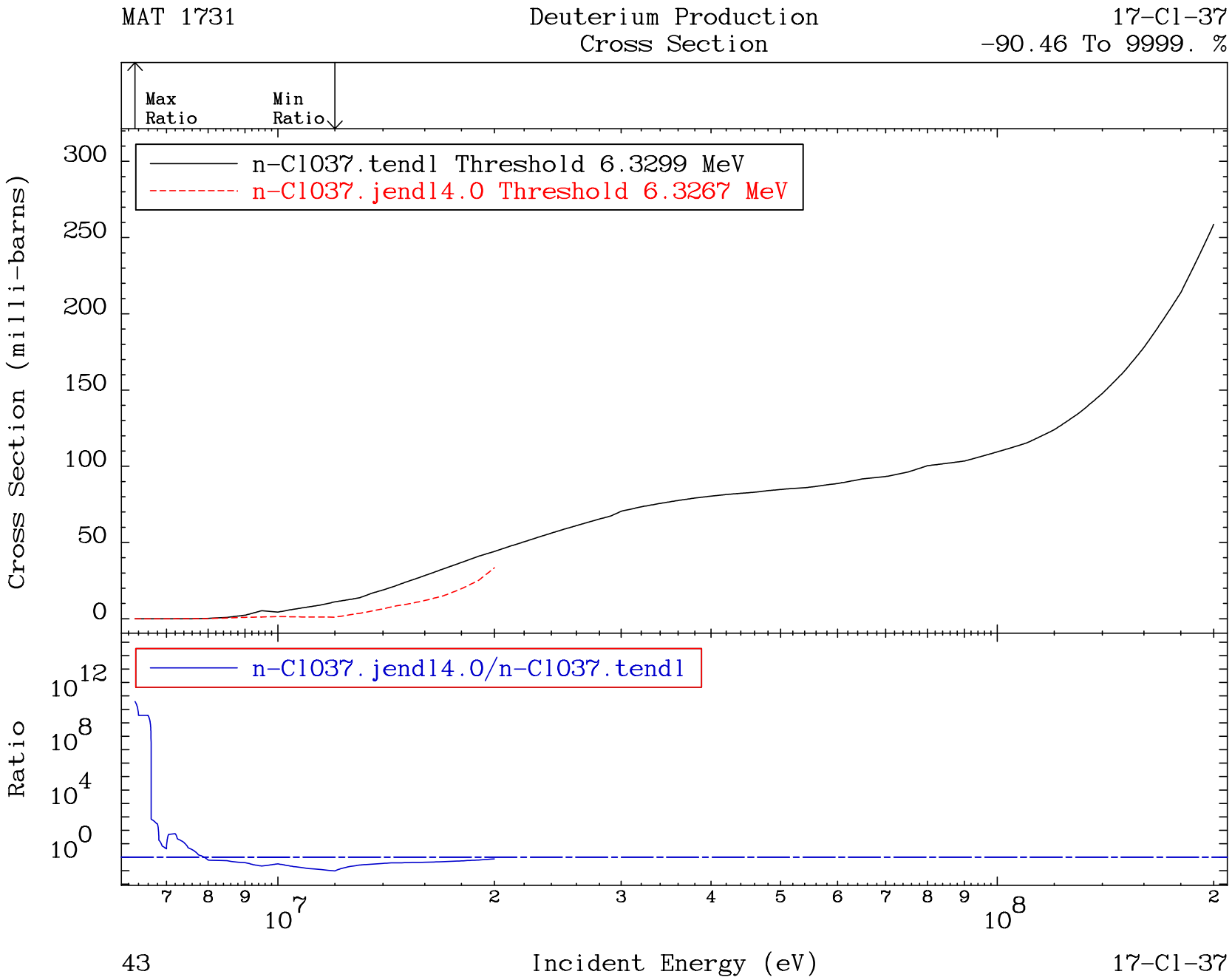

MAT 1731
(n,d)
Cross Section
17-Cl-37
-90.46 To 9999. %
Max Ratio
Min Ratio
n-Cl037.tendl Threshold 6.3299 MeV
n-Cl037.jendl4.0 Threshold 6.3283 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
10^12
10^8
10^4
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
38
Incident Energy (eV)
17-Cl-37

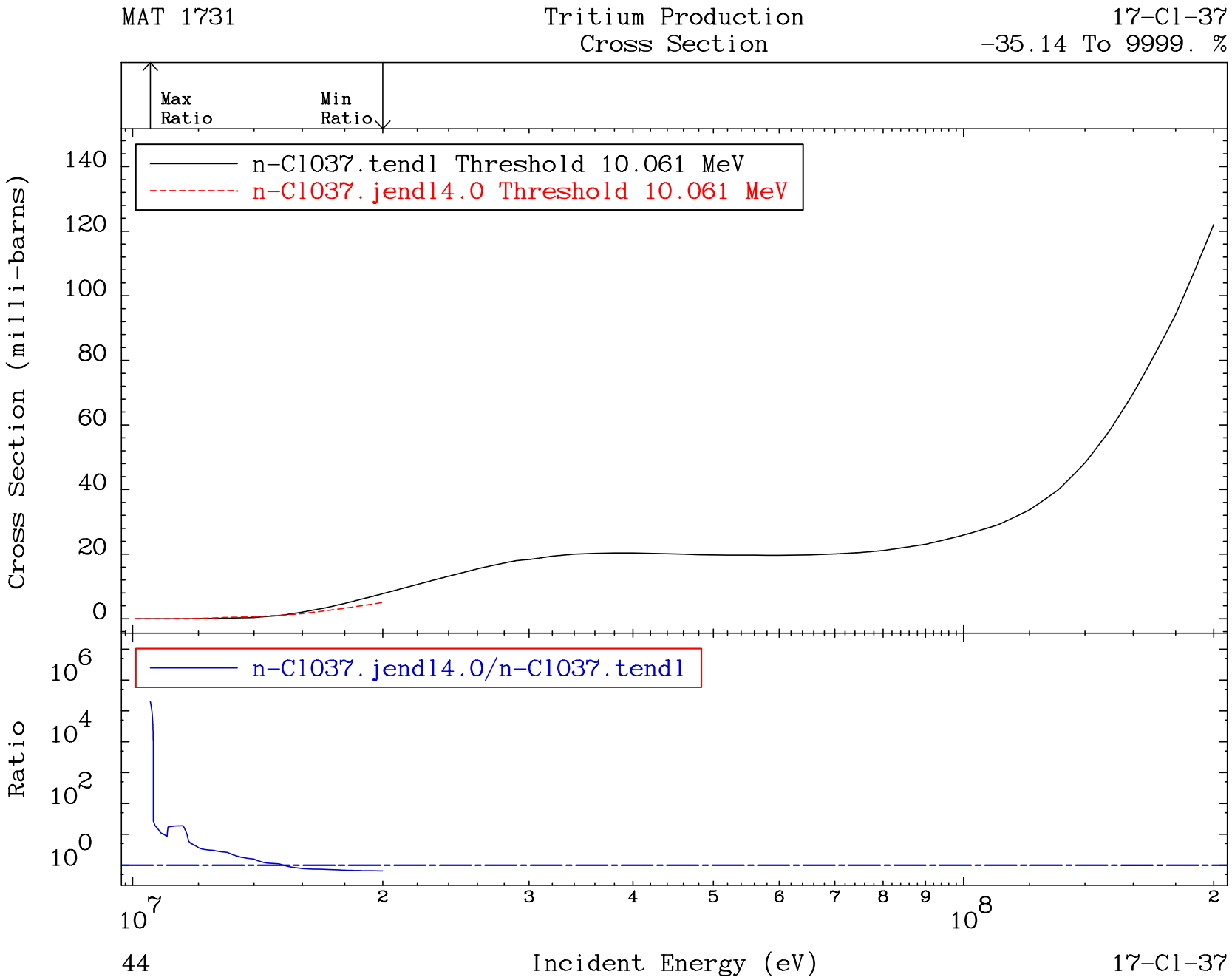

MAT 1731
(n,t)
Cross Section
17-Cl-37
-34.26 To 9999. %
Max Ratio
Min Ratio
n-Cl037.tendl Threshold 10.061 MeV
n-Cl037.jendl4.0 Threshold 10.061 MeV
Cross Section (milli-barns)
10
8
6
4
2
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
10^6
10^4
10^2
10^0
10^7
2
3
4
5
6
7
8
9
10^8
2
39
Incident Energy (eV)
17-Cl-37

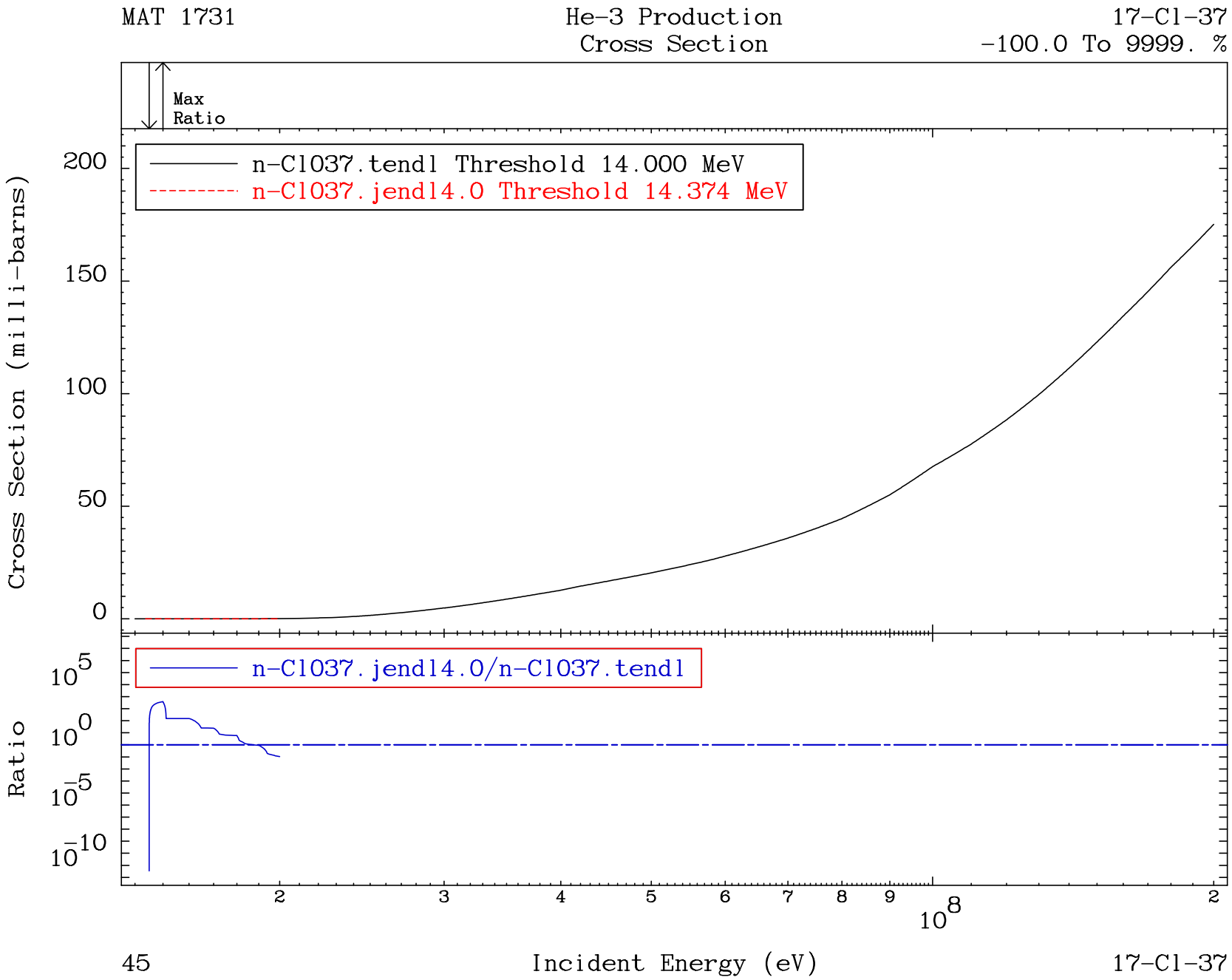

MAT 1731
(n,He-3)
Cross Section
17-Cl-37
-89.31 To 9999. %
Max Ratio
Min Ratio
n-Cl037.tendl Threshold 14.139 MeV
n-Cl037.jendl4.0 Threshold 14.500 MeV
Cross Section (milli-barns)
0
1
2
3
4
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
10^4
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
40
Incident Energy (eV)
17-Cl-37

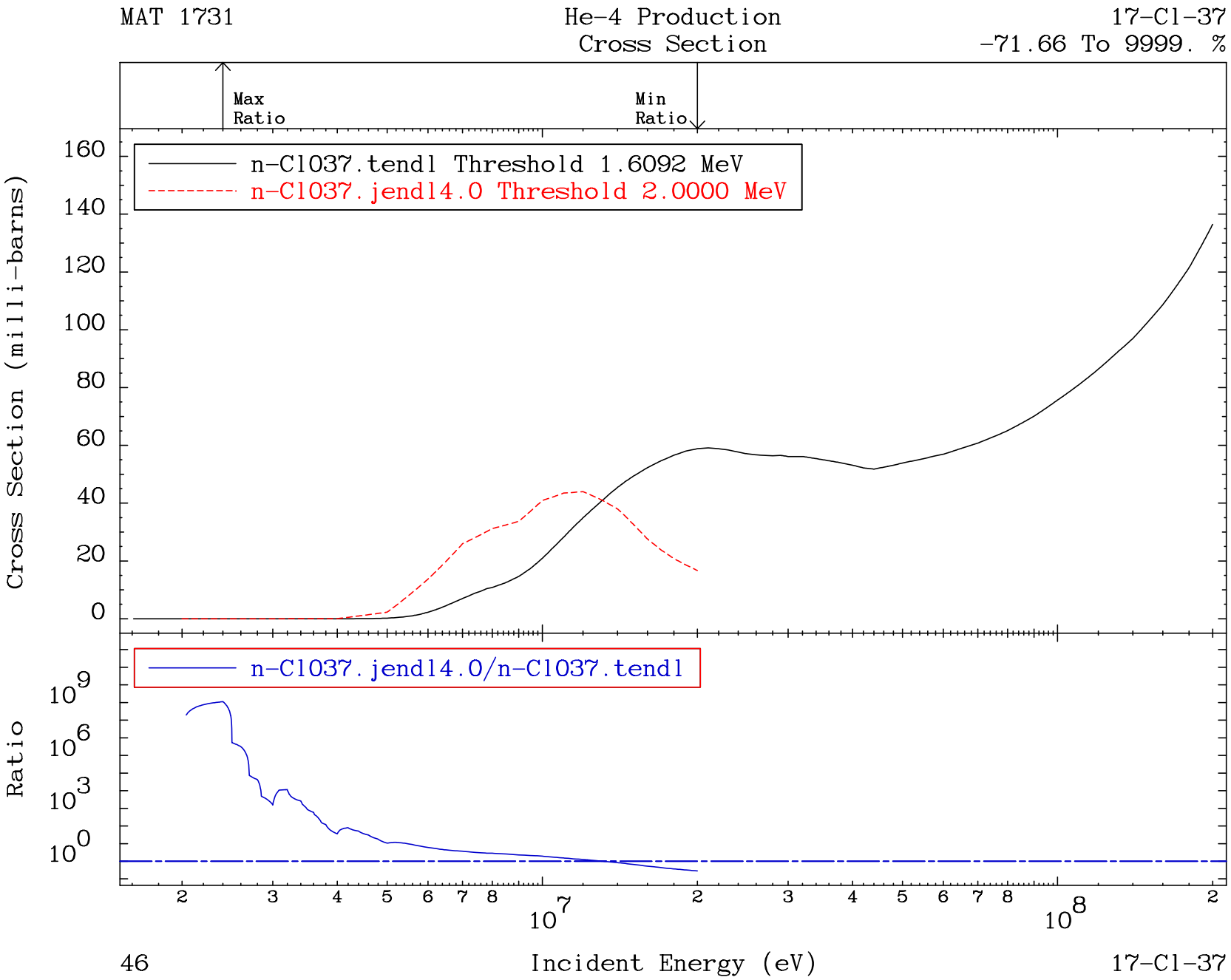

MAT 1731
(n,α)
Cross Section
17-Cl-37
-54.52 To 9999. %
Max Ratio
Min Ratio
n-Cl037.tendl Threshold 1.6092 MeV
n-Cl037.jendl4.0 Threshold 2.0000 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
10^9
10^6
10^3
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
41
Incident Energy (eV)
17-Cl-37

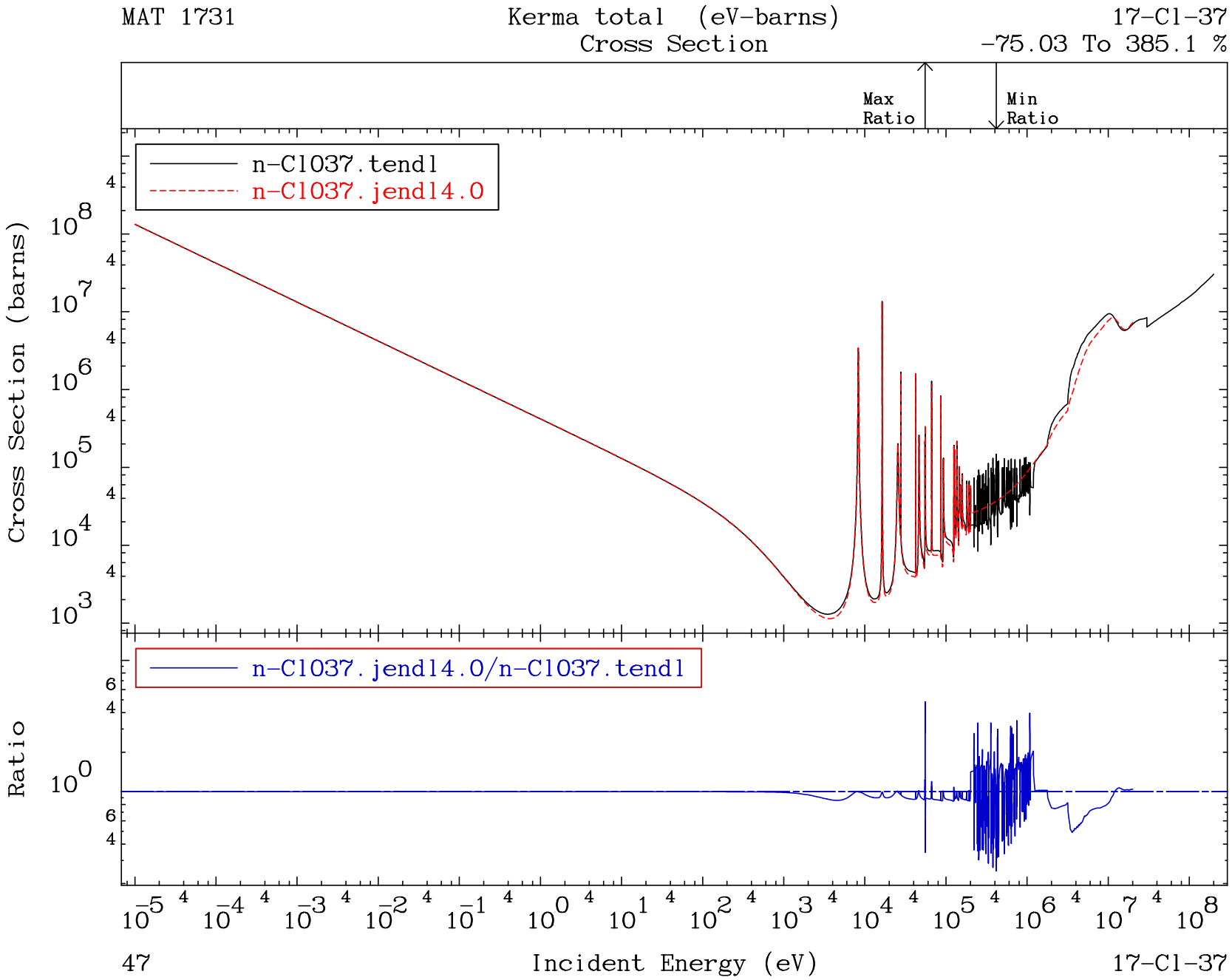

MAT 1731
Hydrogen Production
Cross Section
17-Cl-37
-43.95 To 9999. %
Max Ratio
Min Ratio
n-Cl037.tendl Threshold 4.1942 MeV
n-Cl037.jendl4.0 Threshold 4.1831 MeV
Cross Section (milli-barns)
800
600
400
200
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
10^3
10^2
10^1
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
42
Incident Energy (eV)
17-Cl-37

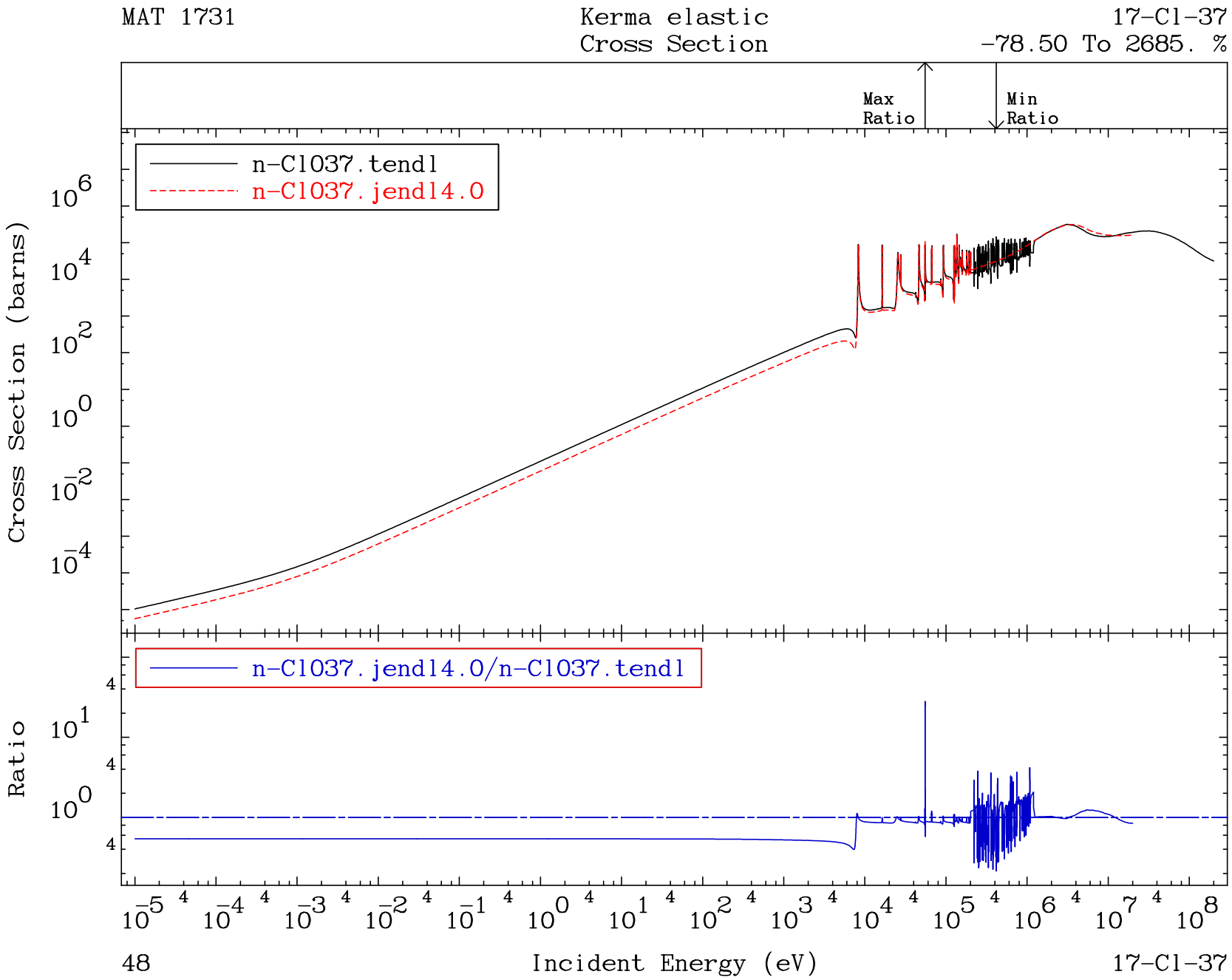

MAT 1731
Deuterium Production
Cross Section
17-Cl-37
-90.46 To 9999. %
Max Ratio
Min Ratio
n-Cl037.tendl Threshold 6.3299 MeV
n-Cl037.jendl4.0 Threshold 6.3267 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
10^12
10^8
10^4
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
43
Incident Energy (eV)
17-Cl-37

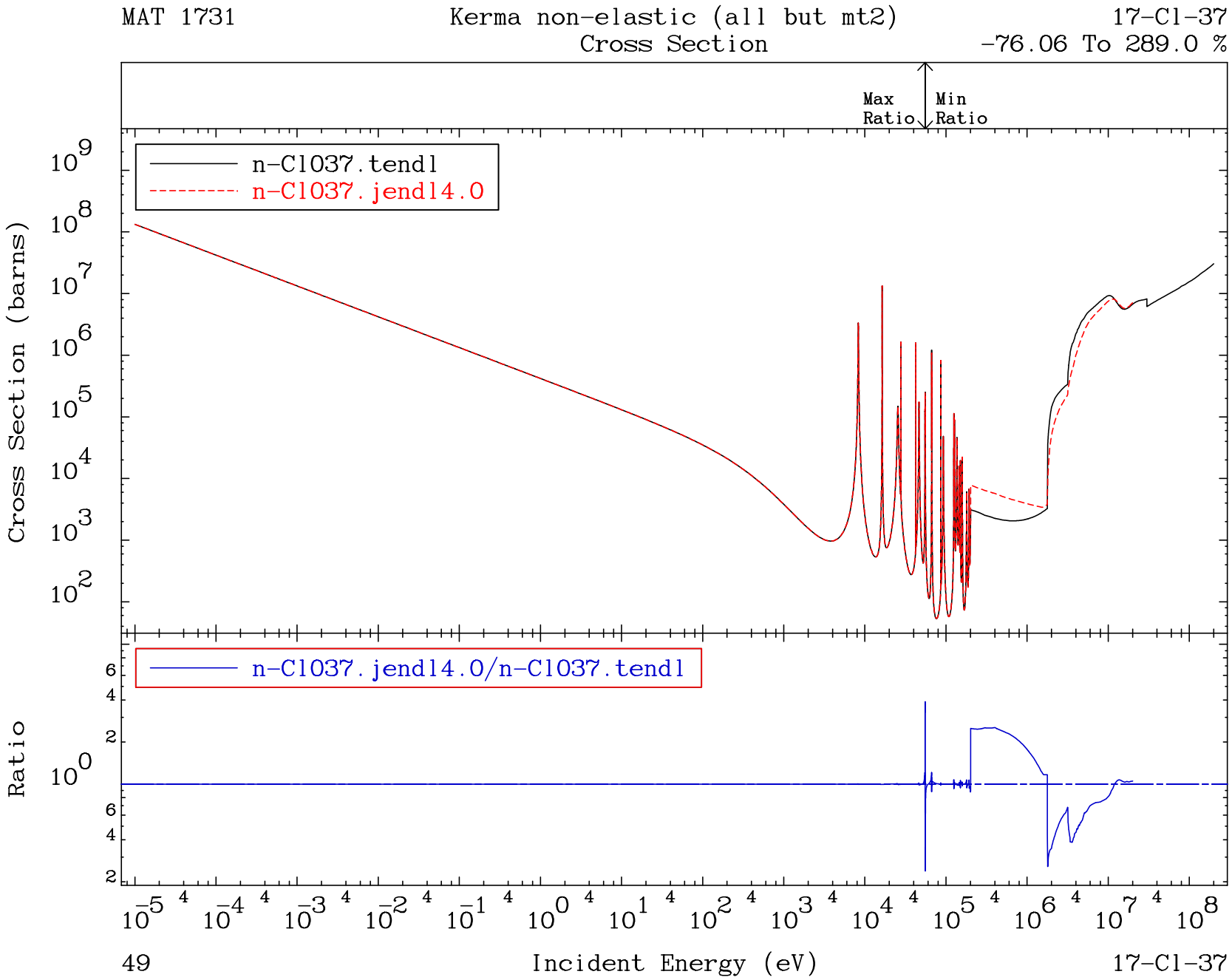

MAT 1731
Tritium Production
Cross Section
17-Cl-37
-35.14 To 9999. %
Max Ratio
Min Ratio
n-Cl037.tendl Threshold 10.061 MeV
n-Cl037.jendl4.0 Threshold 10.061 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
10^6
10^4
10^2
10^0
10^7
2
3
4
5
6
7
8
9
10^8
2
44
Incident Energy (eV)
17-Cl-37

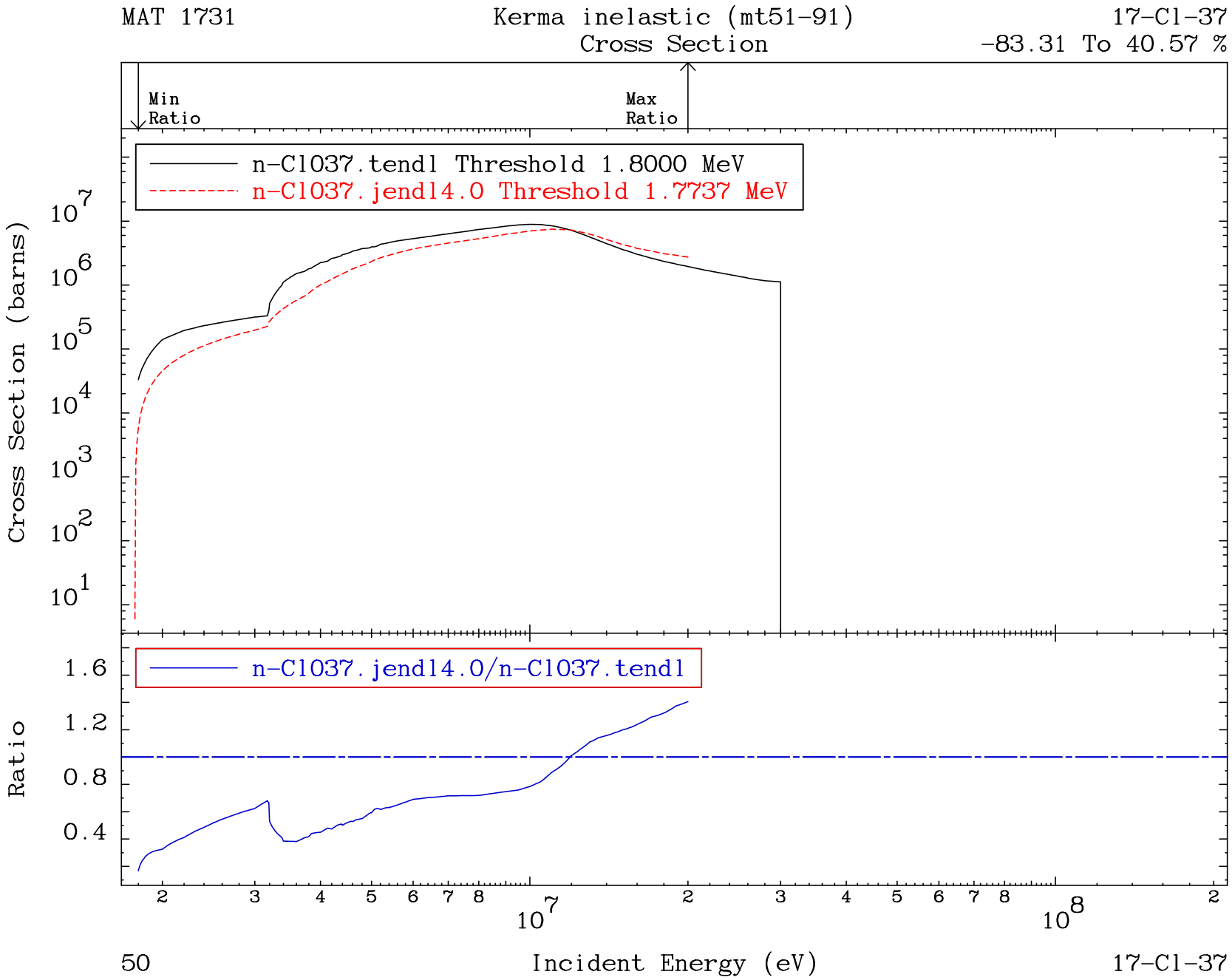

MAT 1731
He-3 Production
Cross Section
17-Cl-37
-100.0 To 9999. %
Max
Ratio
n-Cl037.tendl Threshold 14.000 MeV
n-Cl037.jendl4.0 Threshold 14.374 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
10^5
10^0
10^-5
10^-10
2
3
4
5
6
7
8
9
10^8
2
45
Incident Energy (eV)
17-Cl-37

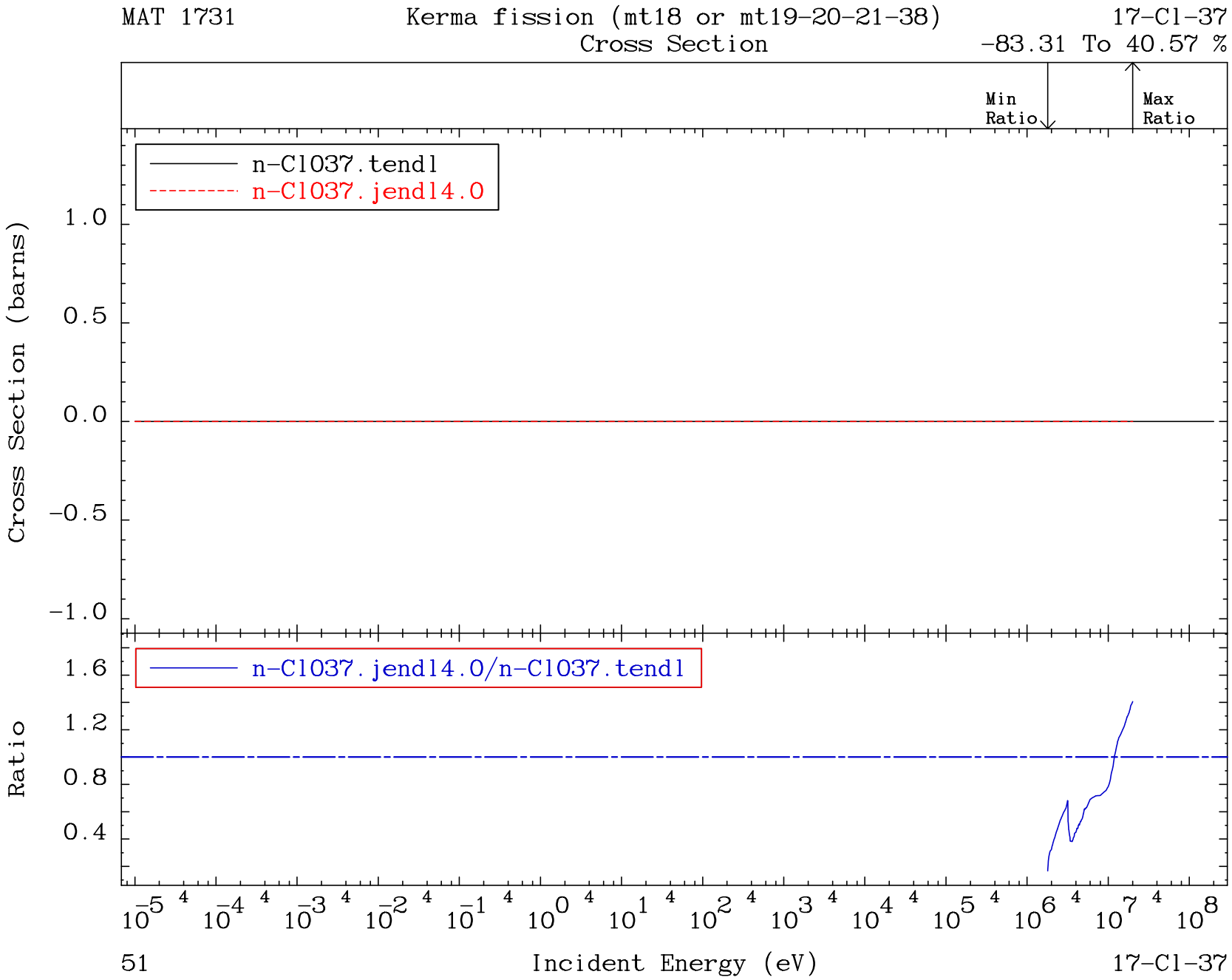

MAT 1731
He-4 Production
Cross Section
17-Cl-37
-71.66 To 9999. %
Max Ratio
Min Ratio
n-Cl037.tendl Threshold 1.6092 MeV
n-Cl037.jendl4.0 Threshold 2.0000 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
10^9
10^6
10^3
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
46
Incident Energy (eV)
17-Cl-37

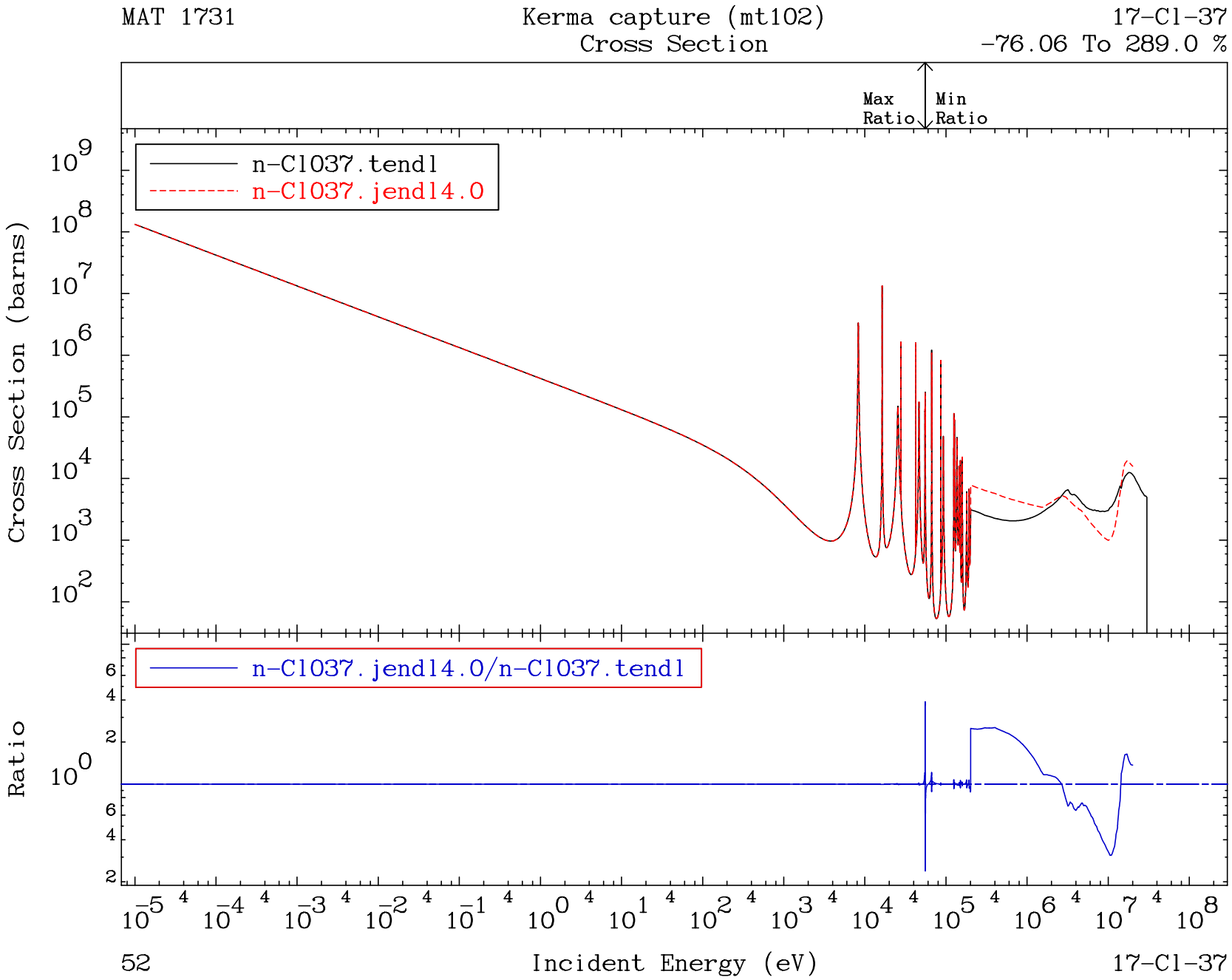

MAT 1731
Kerma total (eV-barns)
Cross Section
17-Cl-37
-75.03 To 385.1 %
Max Ratio
Min Ratio
n-Cl037.tendl
n-Cl037.jendl4.0
Cross Section (barns)
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
Incident Energy (eV)
47
17-Cl-37

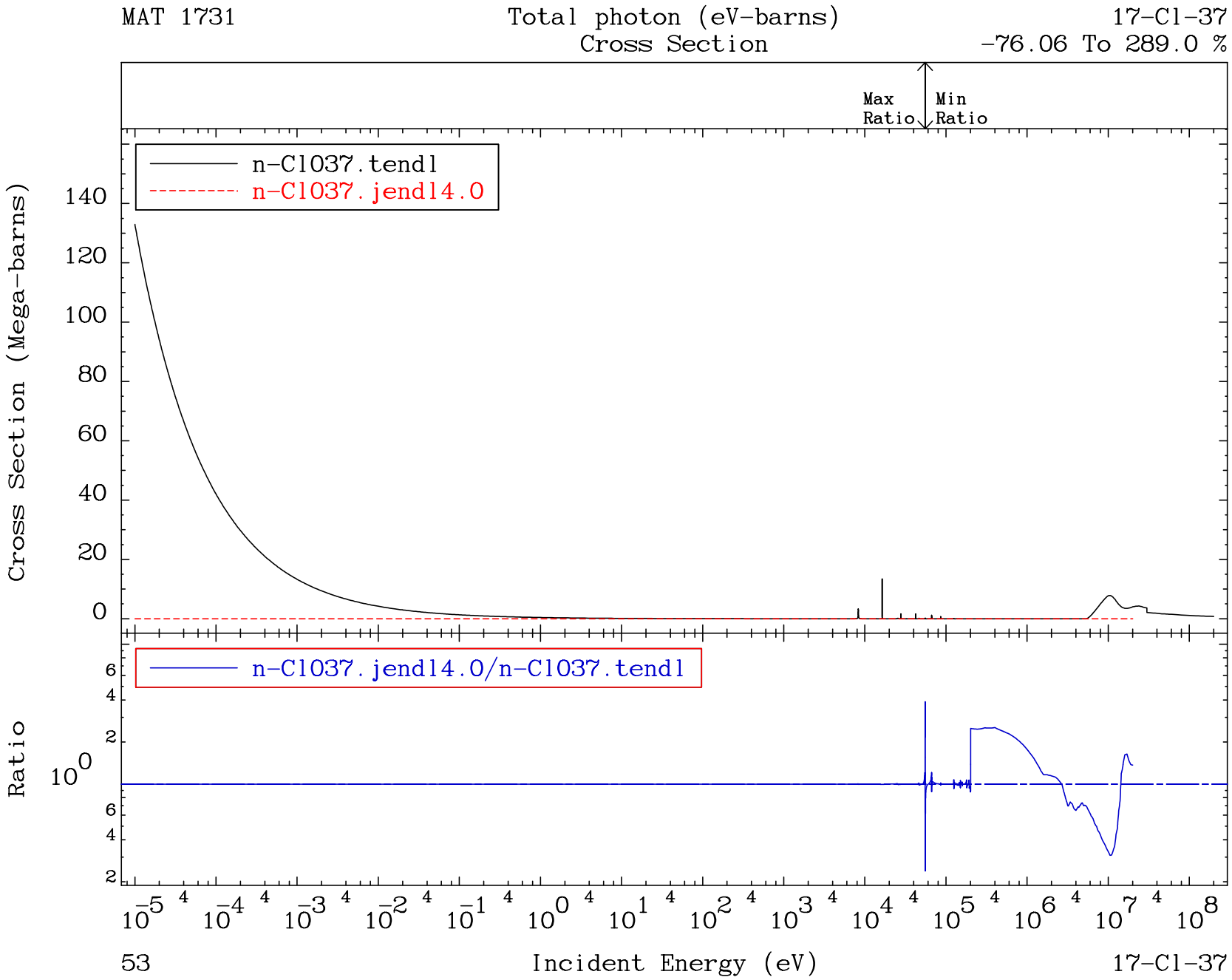

MAT 1731
Kerma elastic
Cross Section
17-Cl-37
-78.50 To 2685. %
Max Ratio
Min Ratio
n-Cl037.tendl
n-Cl037.jendl4.0
Cross Section (barns)
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
Incident Energy (eV)
48
17-Cl-37

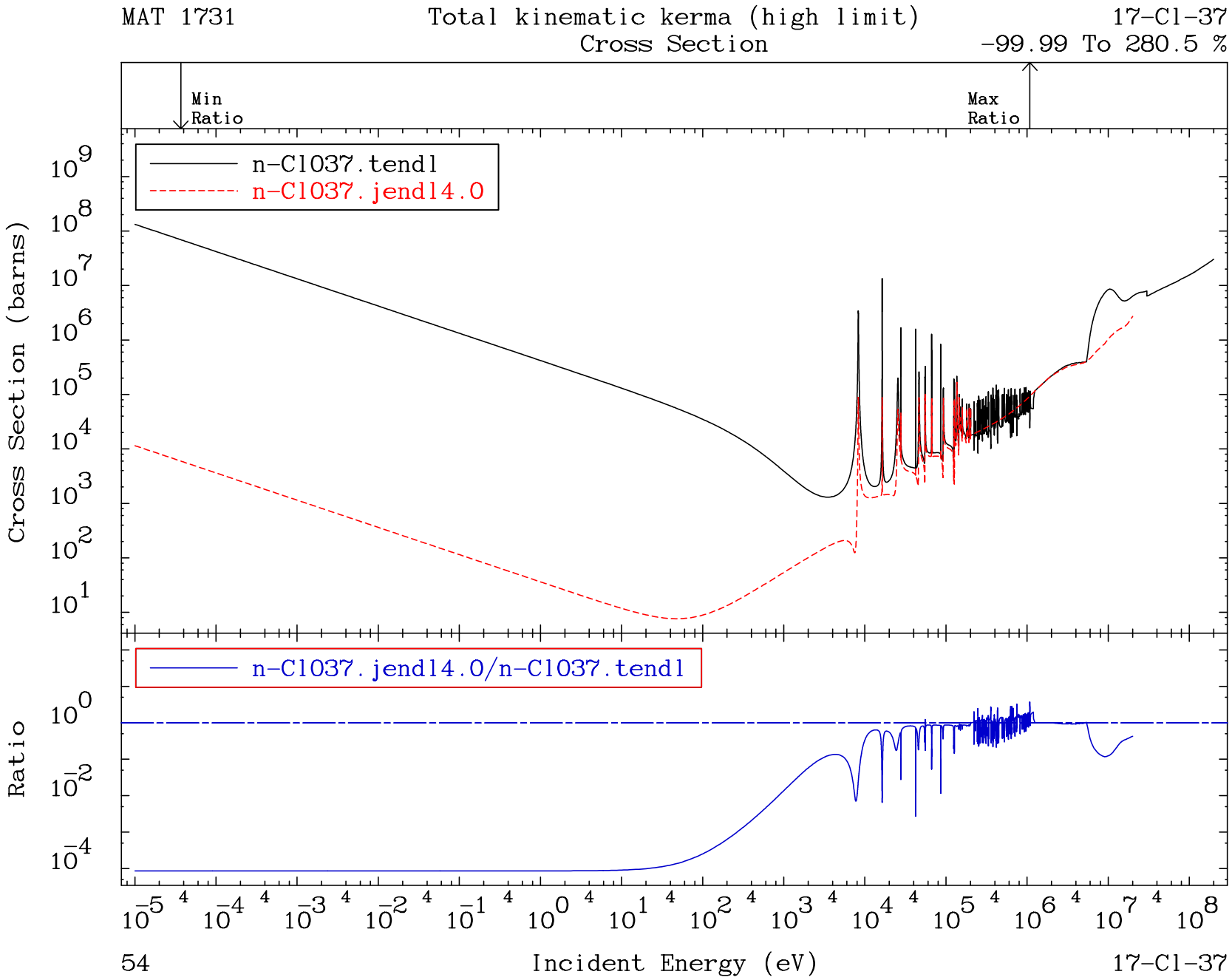

MAT 1731
Kerma non-elastic (all but mt2)
Cross Section
17-Cl-37
-76.06 To 289.0 %
Max Ratio
Min Ratio
n-Cl037.tendl
n-Cl037.jendl4.0
Cross Section (barns)
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
49
Incident Energy (eV)
17-Cl-37

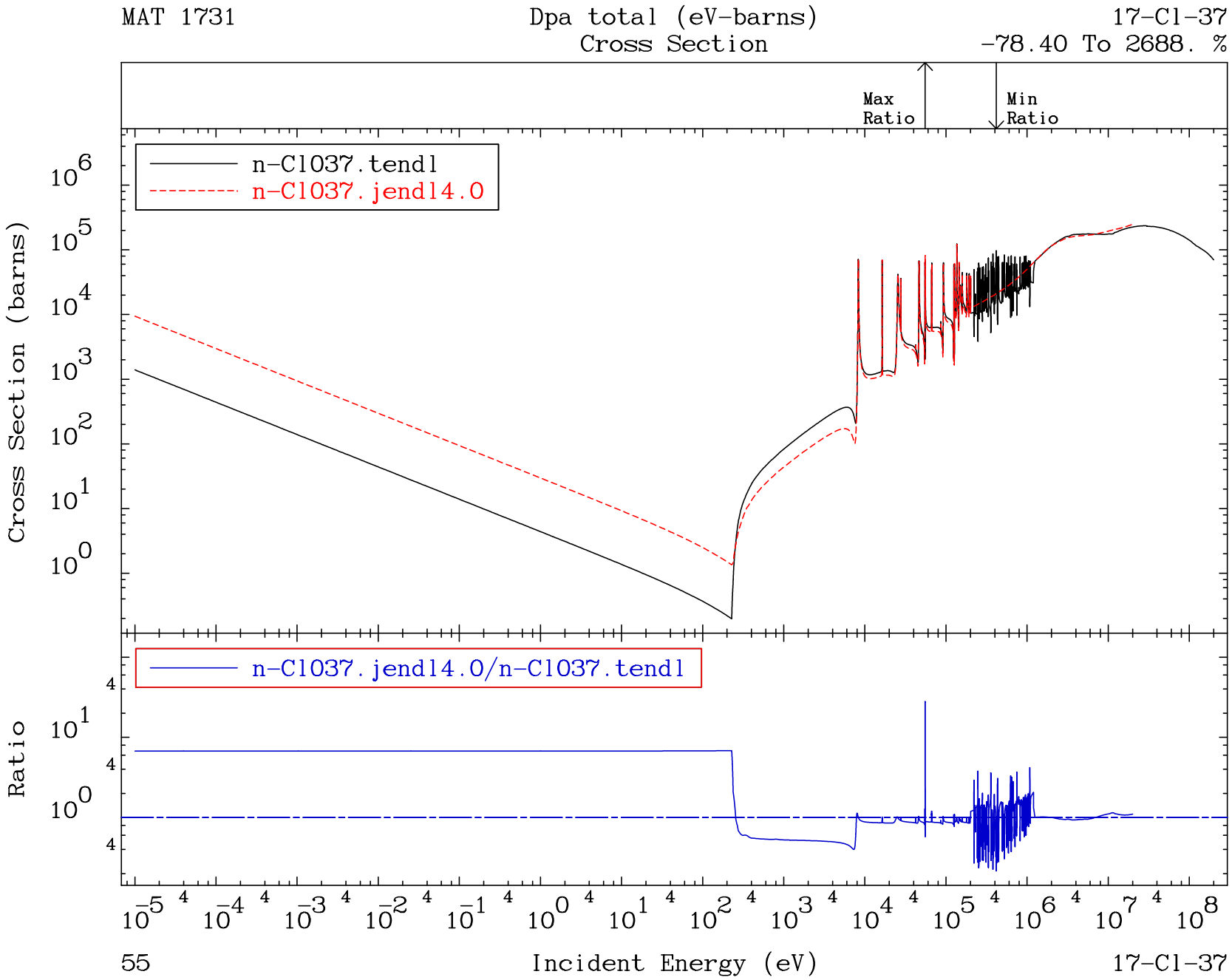

MAT 1731
Kerma inelastic (mt51-91)
Cross Section
17-Cl-37
-83.31 To 40.57 %
Min Ratio
Max Ratio
n-Cl037.tendl Threshold 1.8000 MeV
n-Cl037.jendl4.0 Threshold 1.7737 MeV
Cross Section (barns)
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
Incident Energy (eV)
50
17-Cl-37

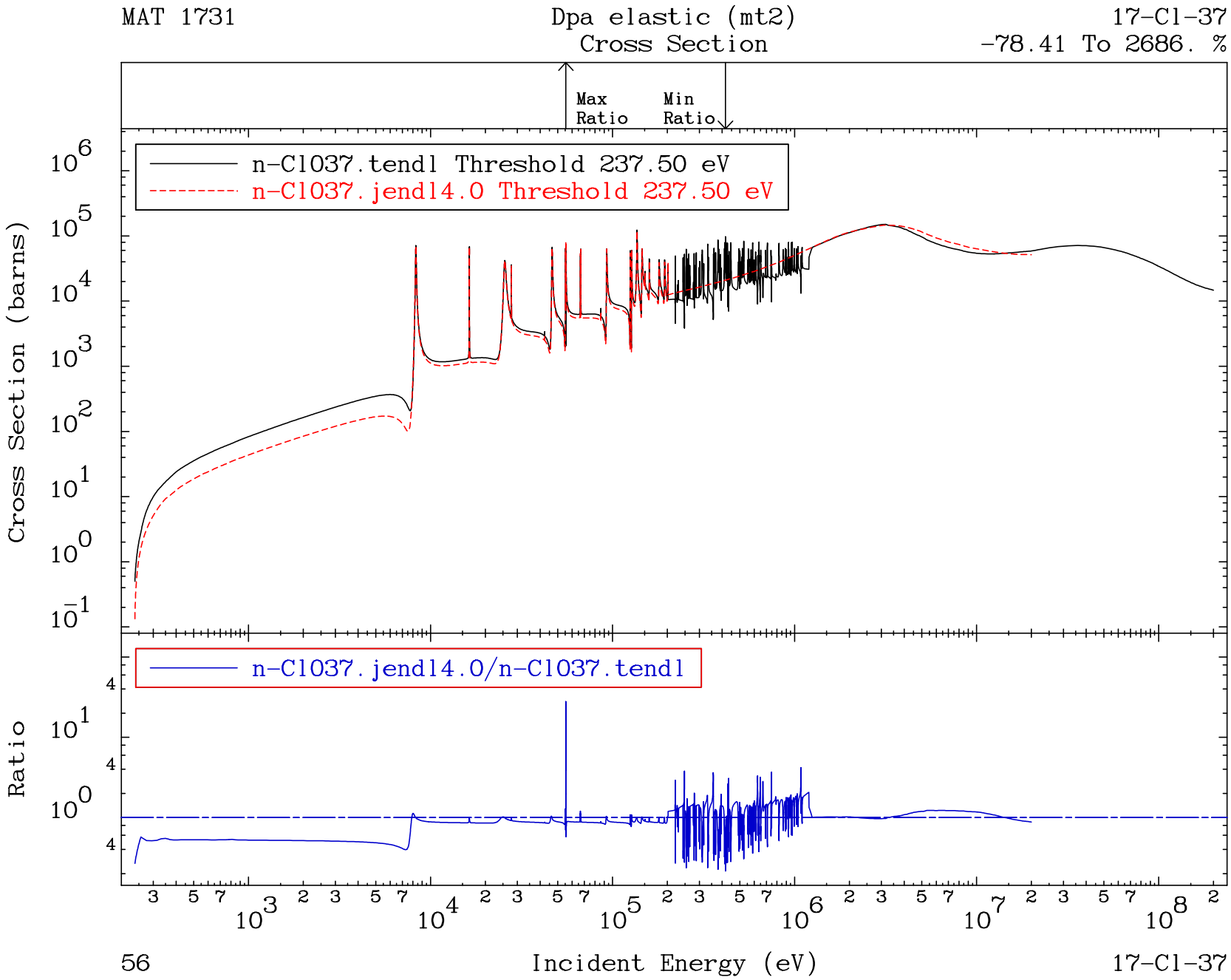

MAT 1731
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
17-Cl-37
-83.31 To 40.57 %
Min Ratio
Max Ratio
n-Cl037.tendl
n-Cl037.jendl4.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
1.6
1.2
0.8
0.4
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
51
Incident Energy (eV)
17-Cl-37

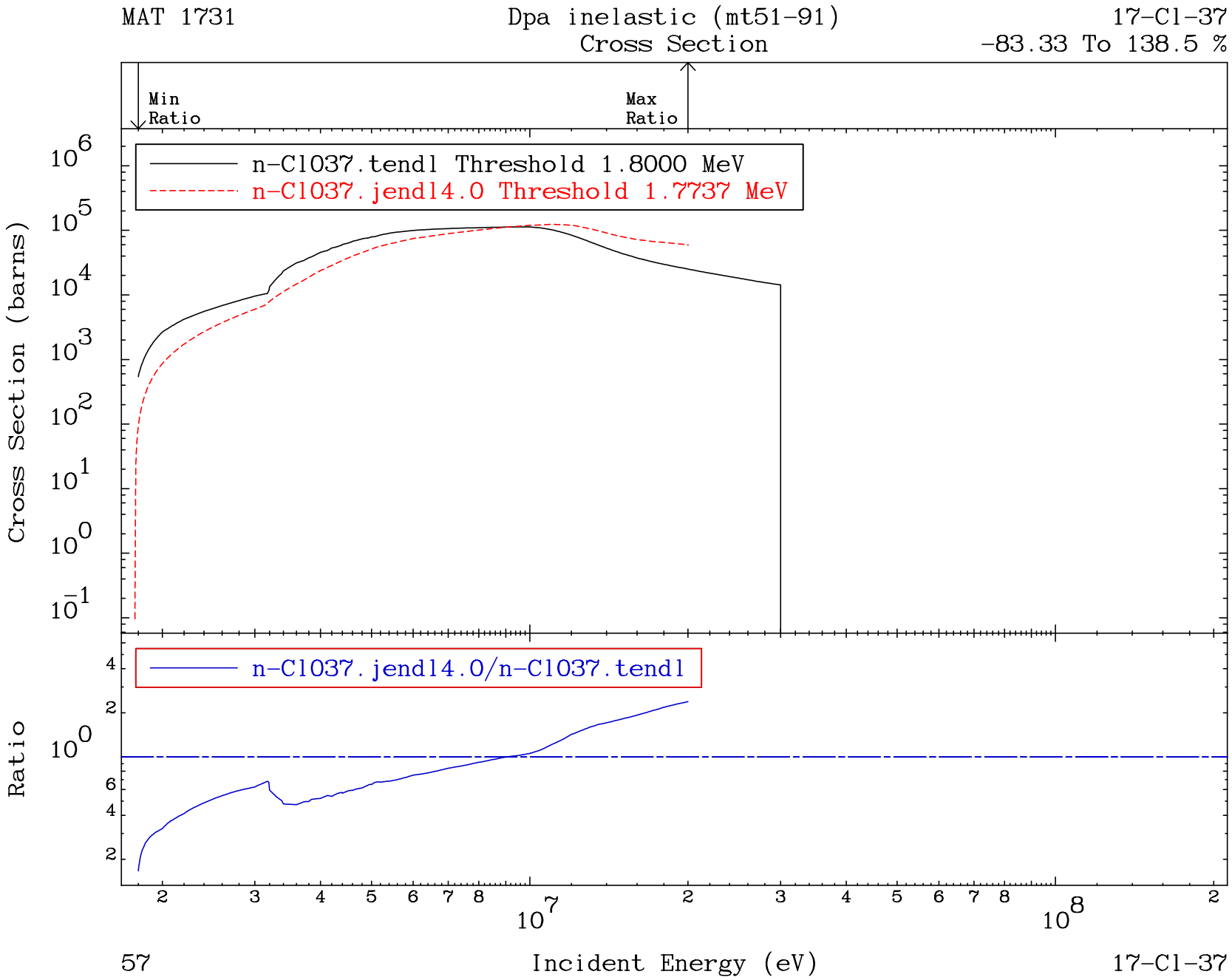

MAT 1731
Kerma capture (mt102)
Cross Section
17-Cl-37
-76.06 To 289.0 %
Max Ratio
Min Ratio
n-Cl037.tendl
n-Cl037.jendl4.0
Cross Section (barns)
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
52
Incident Energy (eV)
17-Cl-37

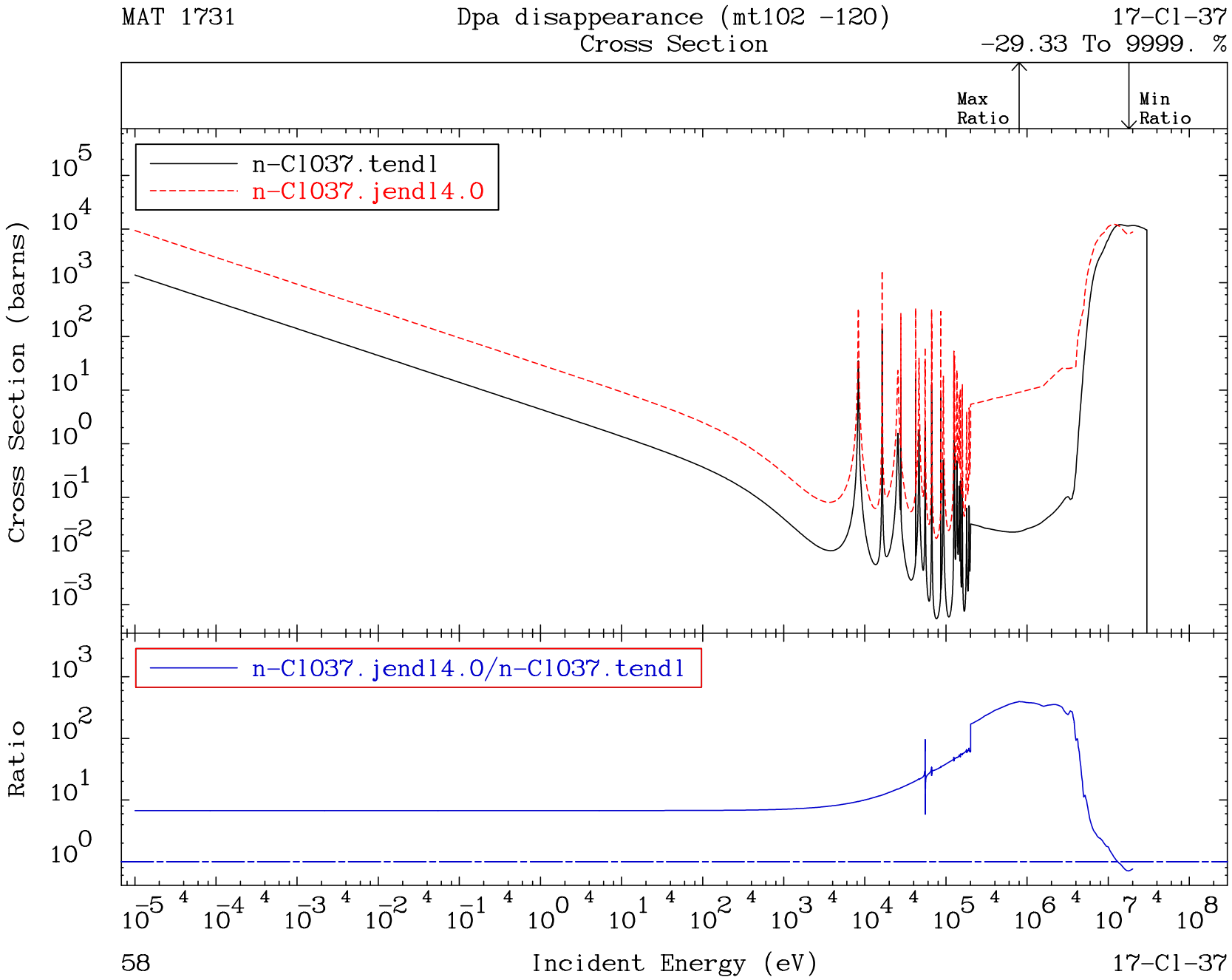

MAT 1731
Total photon (eV-barns)
Cross Section
17-Cl-37
-76.06 To 289.0 %
Max Ratio
Min Ratio
n-Cl037.tendl
n-Cl037.jendl4.0
Cross Section (Mega-barns)
140
120
100
80
60
40
20
0
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
6
4
2
10^0
6
4
2
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
53
Incident Energy (eV)
17-Cl-37


MAT 1731
Total kinematic kerma (high limit)
Cross Section
17-Cl-37
-99.99 To 280.5 %
Min Ratio
Max Ratio
n-Cl037.tendl
n-Cl037.jendl4.0
Cross Section (barns)
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
Incident Energy (eV)
54
17-Cl-37


MAT 1731
Dpa total (eV-barns)
Cross Section
17-Cl-37
-78.40 To 2688. %
Max Ratio
Min Ratio
n-Cl037.tendl
n-Cl037.jendl4.0
Cross Section (barns)
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
Incident Energy (eV)
55
17-Cl-37


MAT 1731
Dpa elastic (mt2)
Cross Section
17-Cl-37
-78.41 To 2686. %
Max Ratio
Min Ratio
n-Cl037.tendl Threshold 237.50 eV
n-Cl037.jendl4.0 Threshold 237.50 eV
Cross Section (barns)
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
Incident Energy (eV)
56
17-Cl-37


MAT 1731
Dpa inelastic (mt51-91)
Cross Section
17-Cl-37
-83.33 To 138.5 %
Min Ratio
Max Ratio
n-Cl037.tendl Threshold 1.8000 MeV
n-Cl037.jendl4.0 Threshold 1.7737 MeV
Cross Section (barns)
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
Incident Energy (eV)
57
17-Cl-37


MAT 1731
Dpa disappearance (mt102 -120)
Cross Section
17-Cl-37
-29.33 To 9999. %
Max Ratio
Min Ratio
n-Cl037.tendl
n-Cl037.jendl4.0
Cross Section (barns)
n-Cl037.jendl4.0/n-Cl037.tendl
Ratio
58
Incident Energy (eV)
17-Cl-37