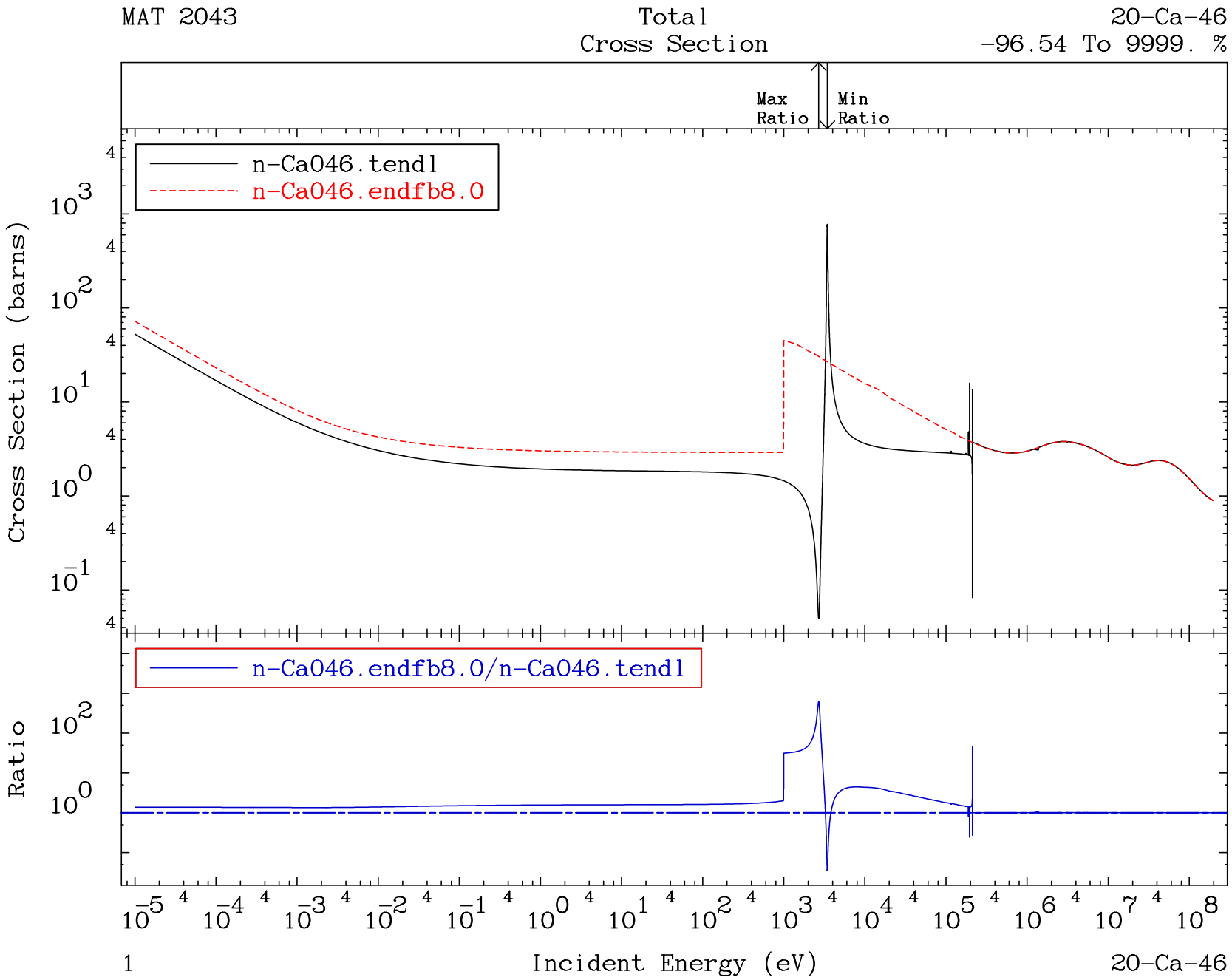
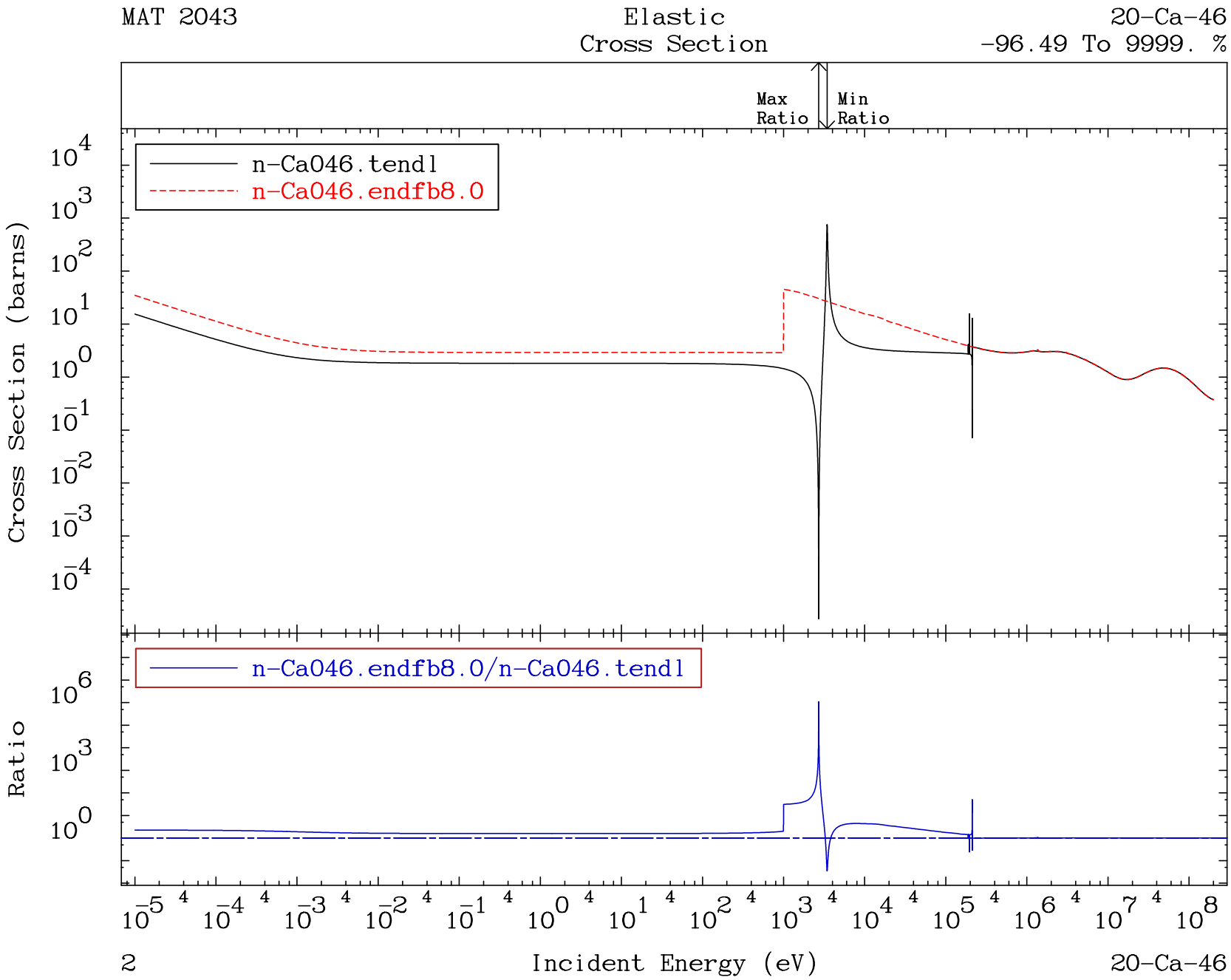
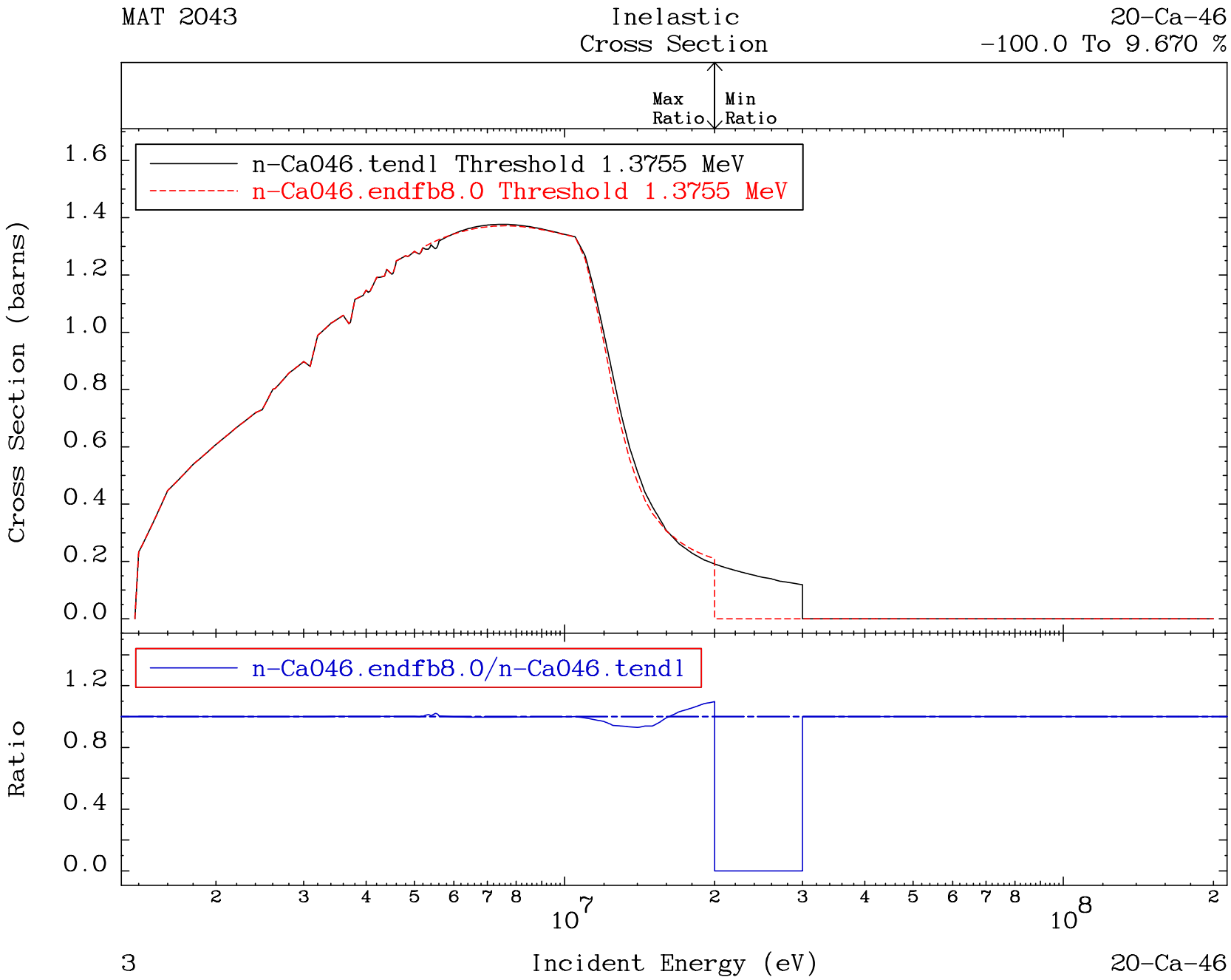
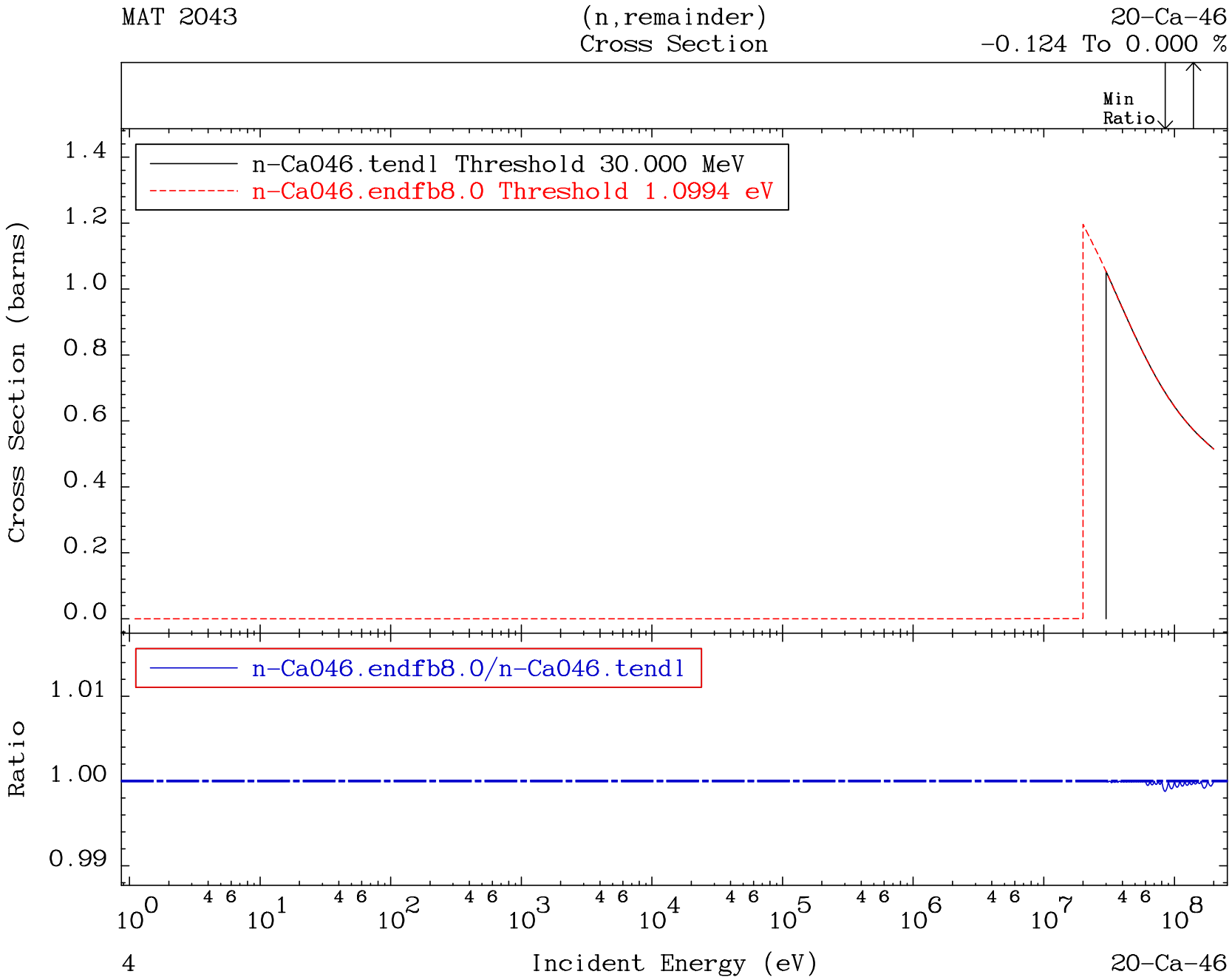
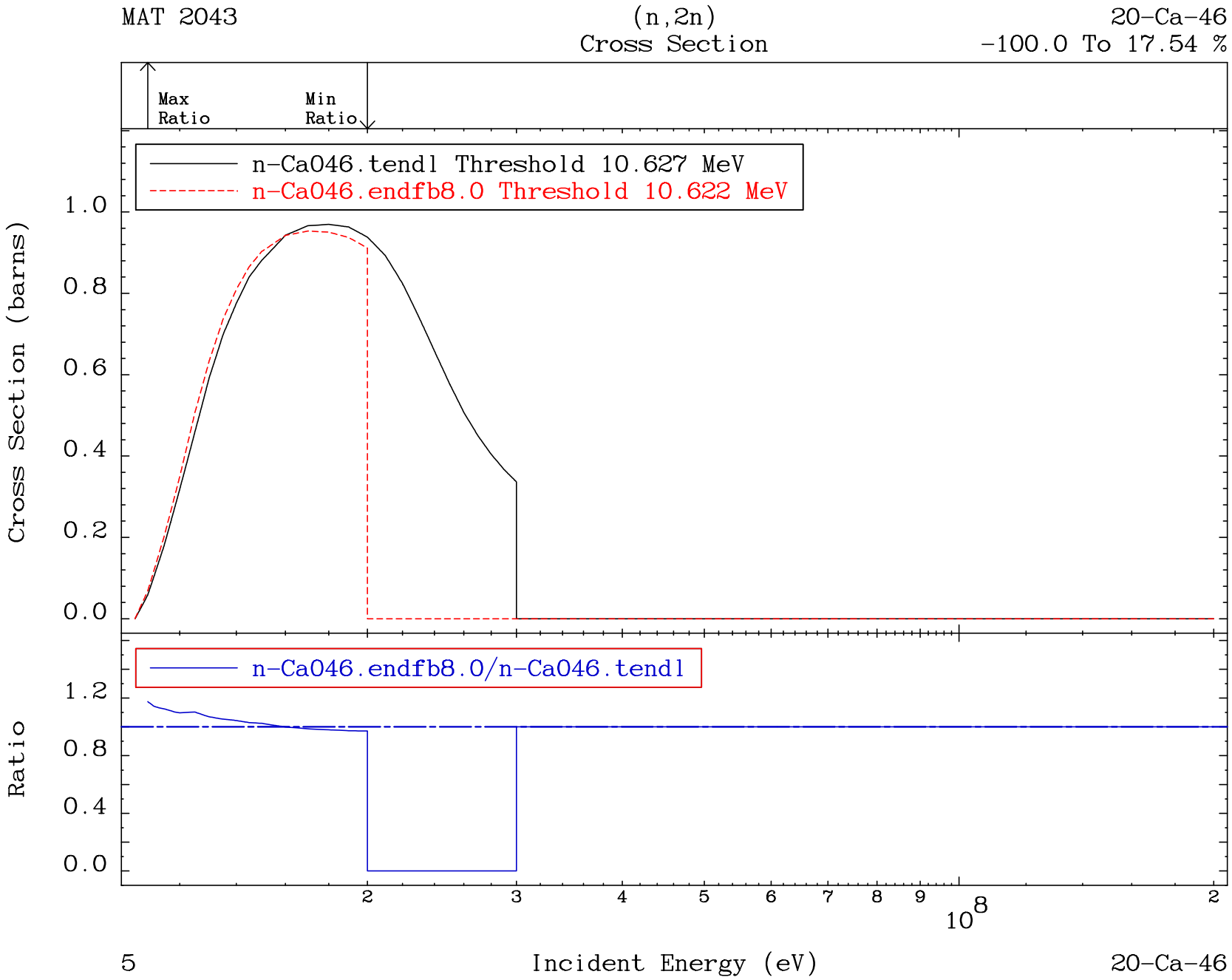
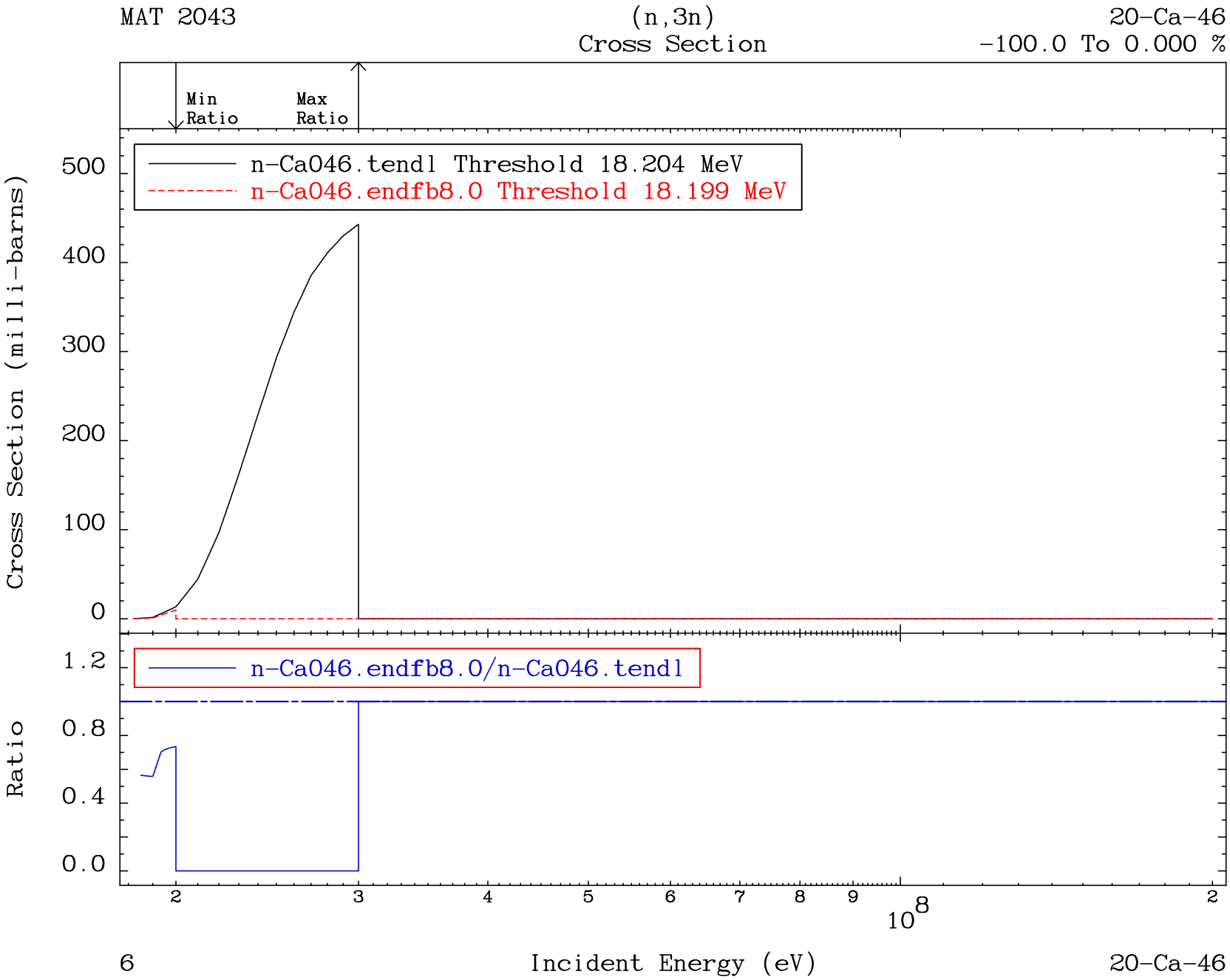

MAT 2043
Total
Cross Section
20-Ca-46
-96.54 To 9999. %
Max Ratio
Min Ratio
n-Ca046.tendl
n-Ca046.endfb8.0
Cross Section (barns)
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
Incident Energy (eV)
1
20-Ca-46

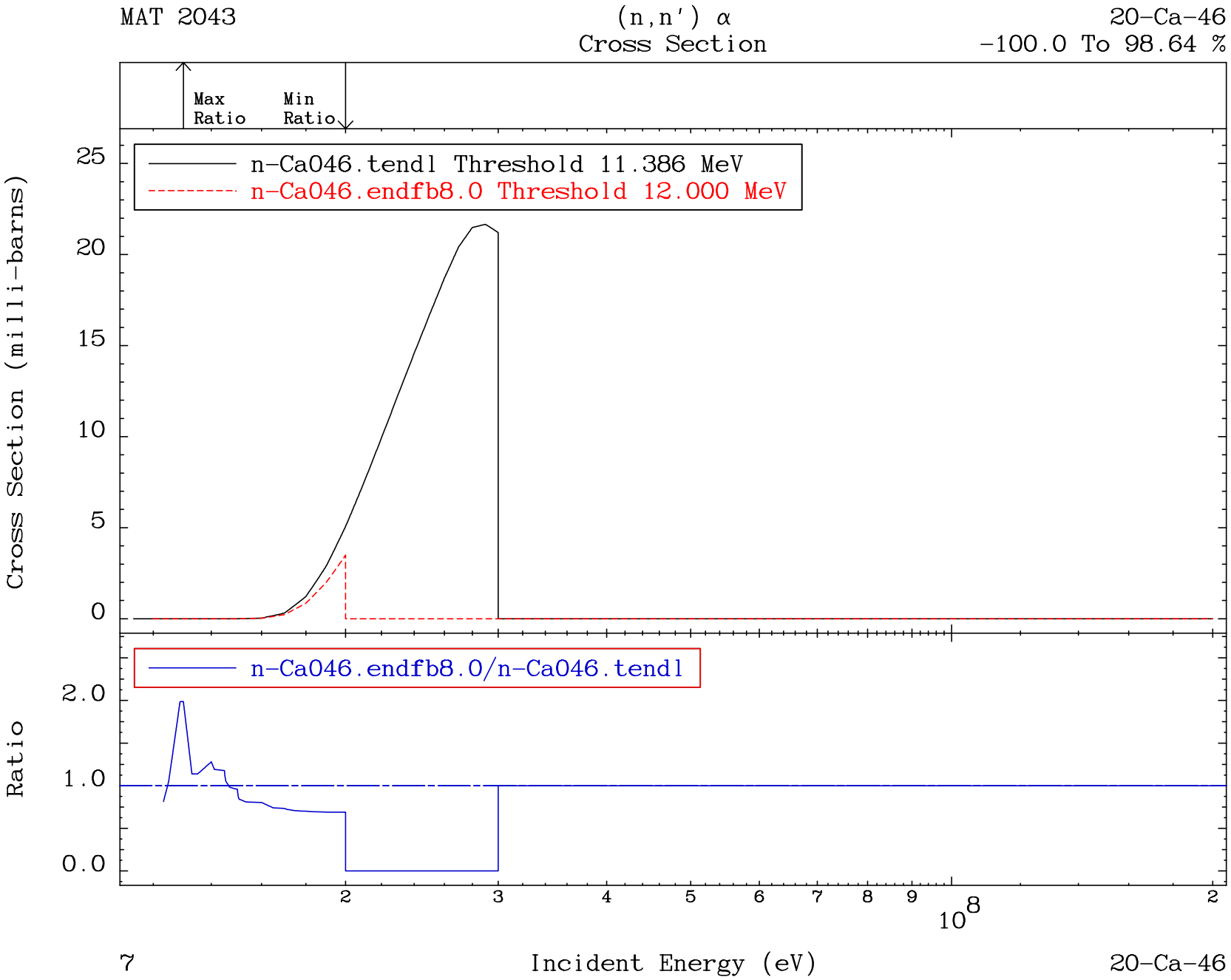

MAT 2043
Elastic
Cross Section
20-Ca-46
-96.49 To 9999. %
Max Ratio
Min Ratio
n-Ca046.tendl
n-Ca046.endfb8.0
Cross Section (barns)
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
Incident Energy (eV)
2
20-Ca-46

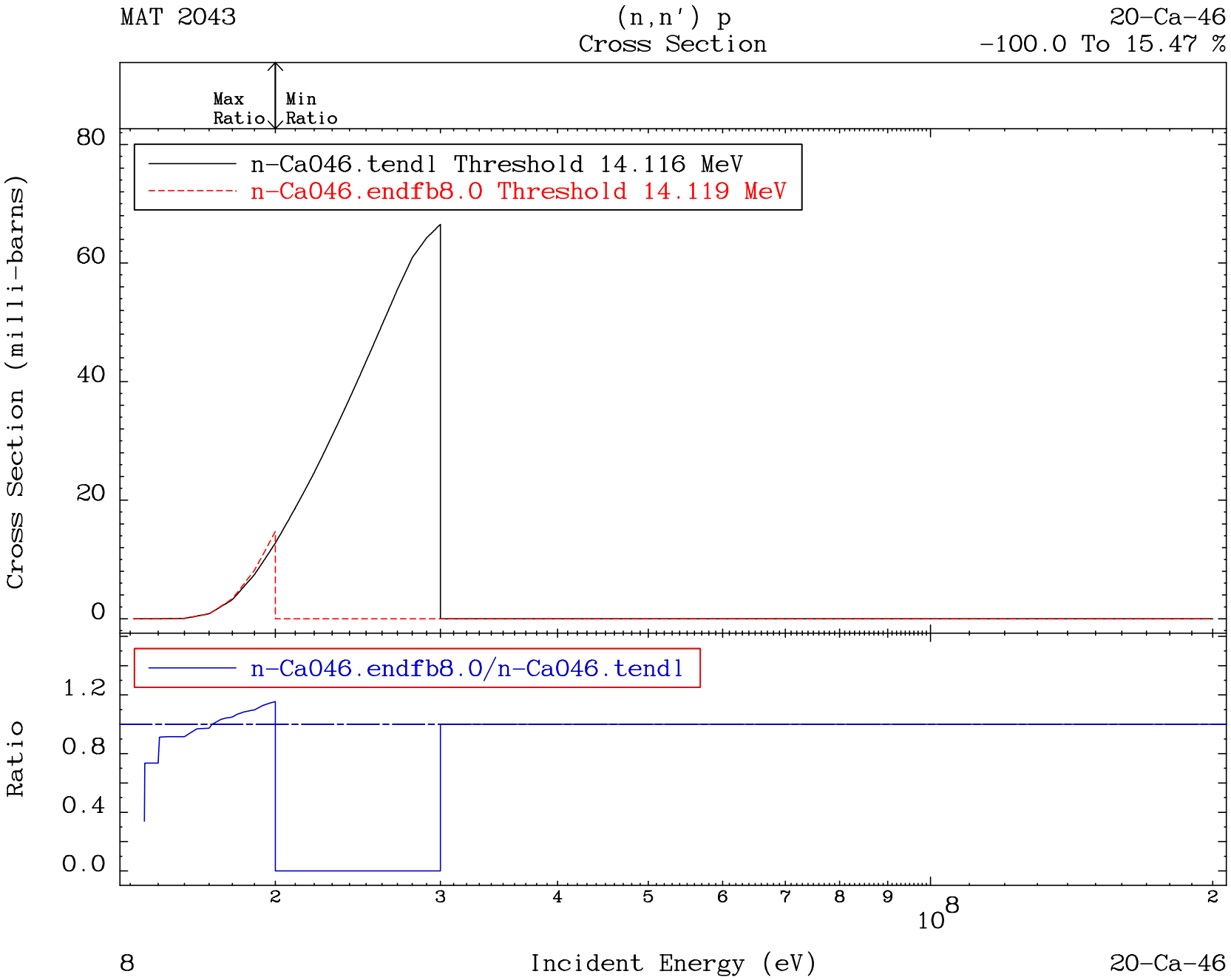

MAT 2043
Inelastic
Cross Section
20-Ca-46
-100.0 To 9.670 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 1.3755 MeV
n-Ca046.endfb8.0 Threshold 1.3755 MeV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
1.2
0.8
0.4
0.0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
3
Incident Energy (eV)
20-Ca-46

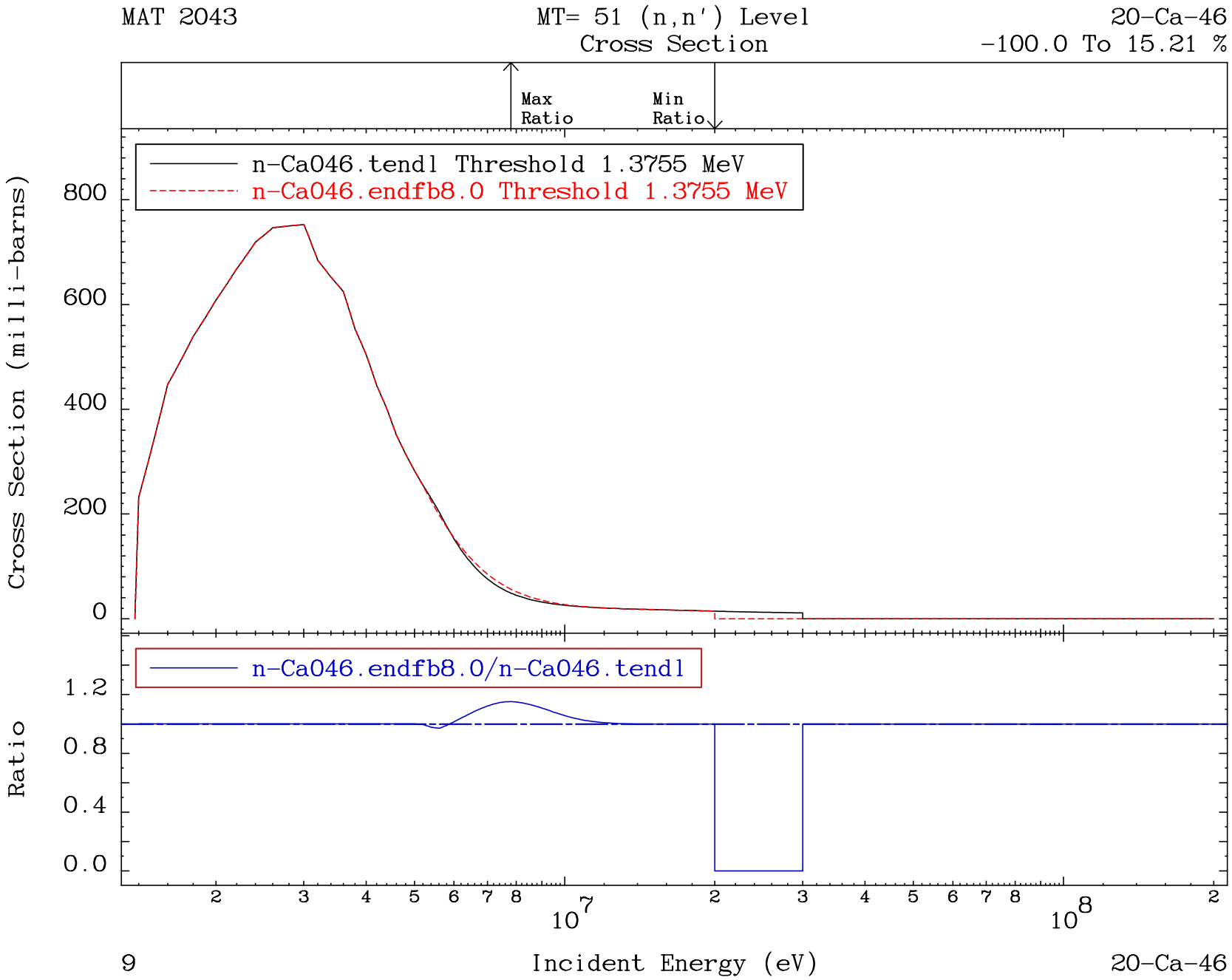

MAT 2043
(n,remainder)
Cross Section
20-Ca-46
-0.124 To 0.000 %
Min
Ratio
n-Ca046.tendl Threshold 30.000 MeV
n-Ca046.endfb8.0 Threshold 1.0994 eV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
1.01
1.00
0.99
10^0
10^1
10^2
10^3
10^4
10^5
10^6
10^7
10^8
4
Incident Energy (eV)
20-Ca-46

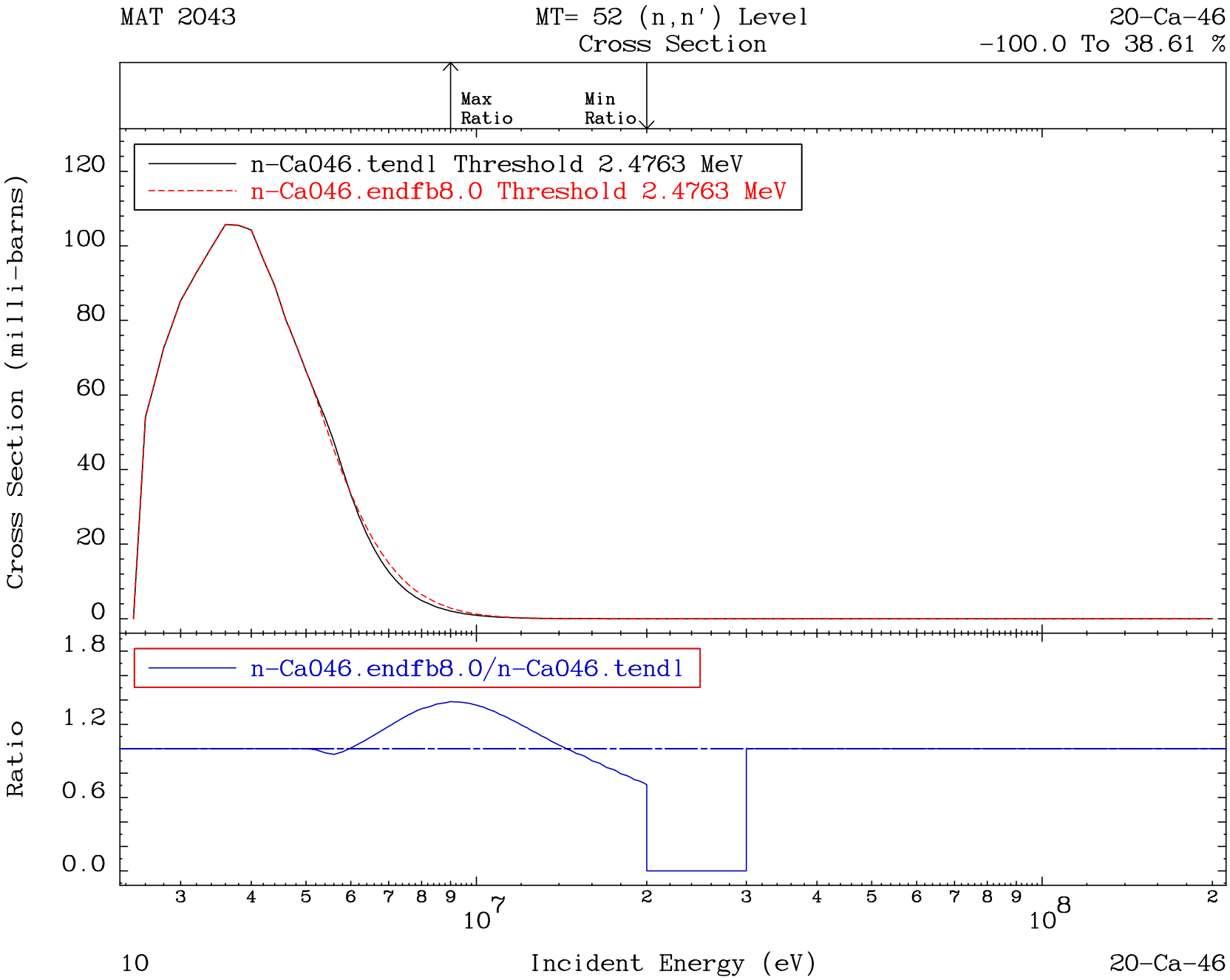

MAT 2043
(n,2n)
Cross Section
20-Ca-46
-100.0 To 17.54 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 10.627 MeV
n-Ca046.endfb8.0 Threshold 10.622 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
1.2
0.8
0.4
0.0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
20-Ca-46

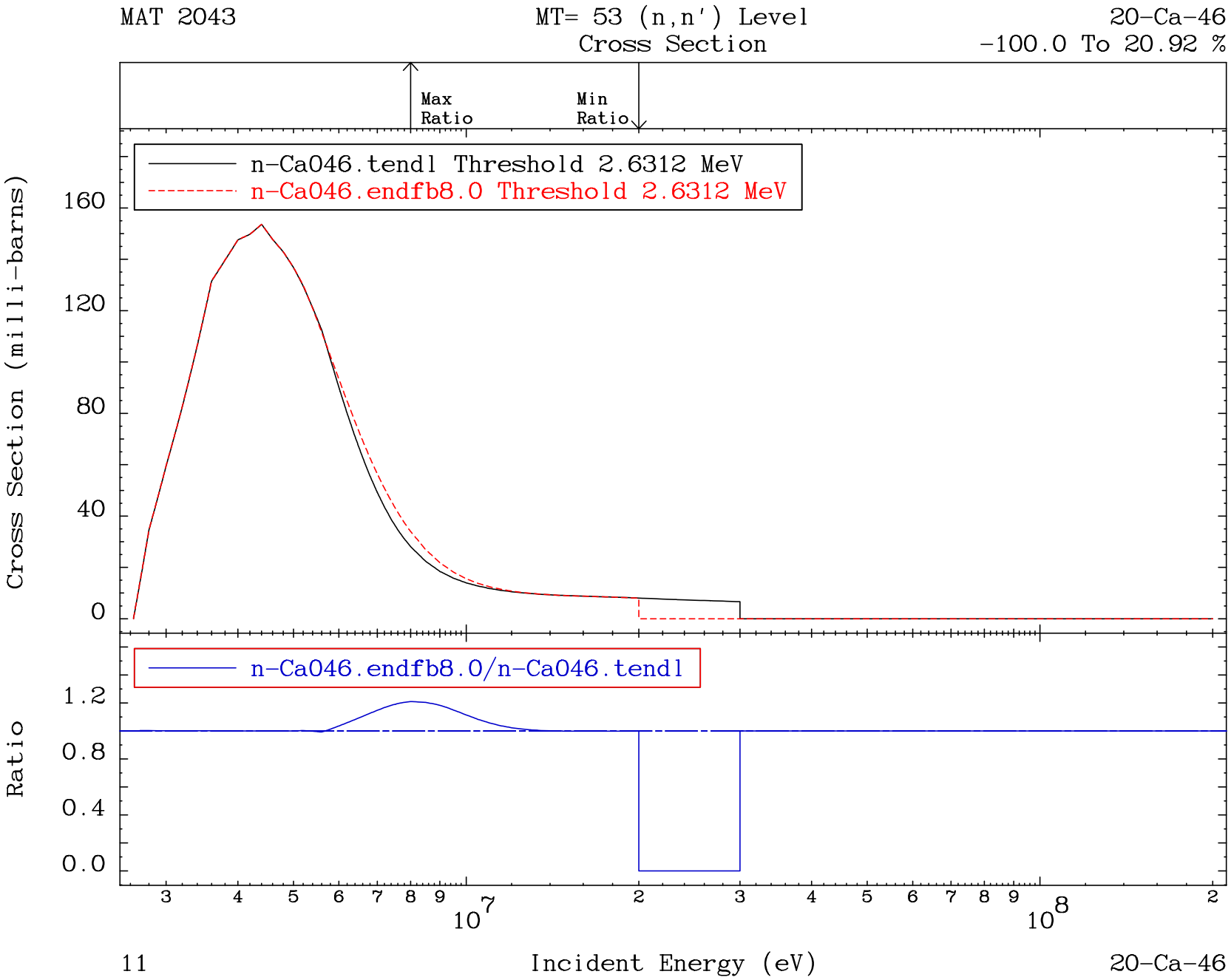

MAT 2043
(n,3n)
Cross Section
20-Ca-46
-100.0 To 0.000 %
Min Ratio
Max Ratio
n-Ca046.tendl Threshold 18.204 MeV
n-Ca046.endfb8.0 Threshold 18.199 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
1.2
0.8
0.4
0.0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
20-Ca-46

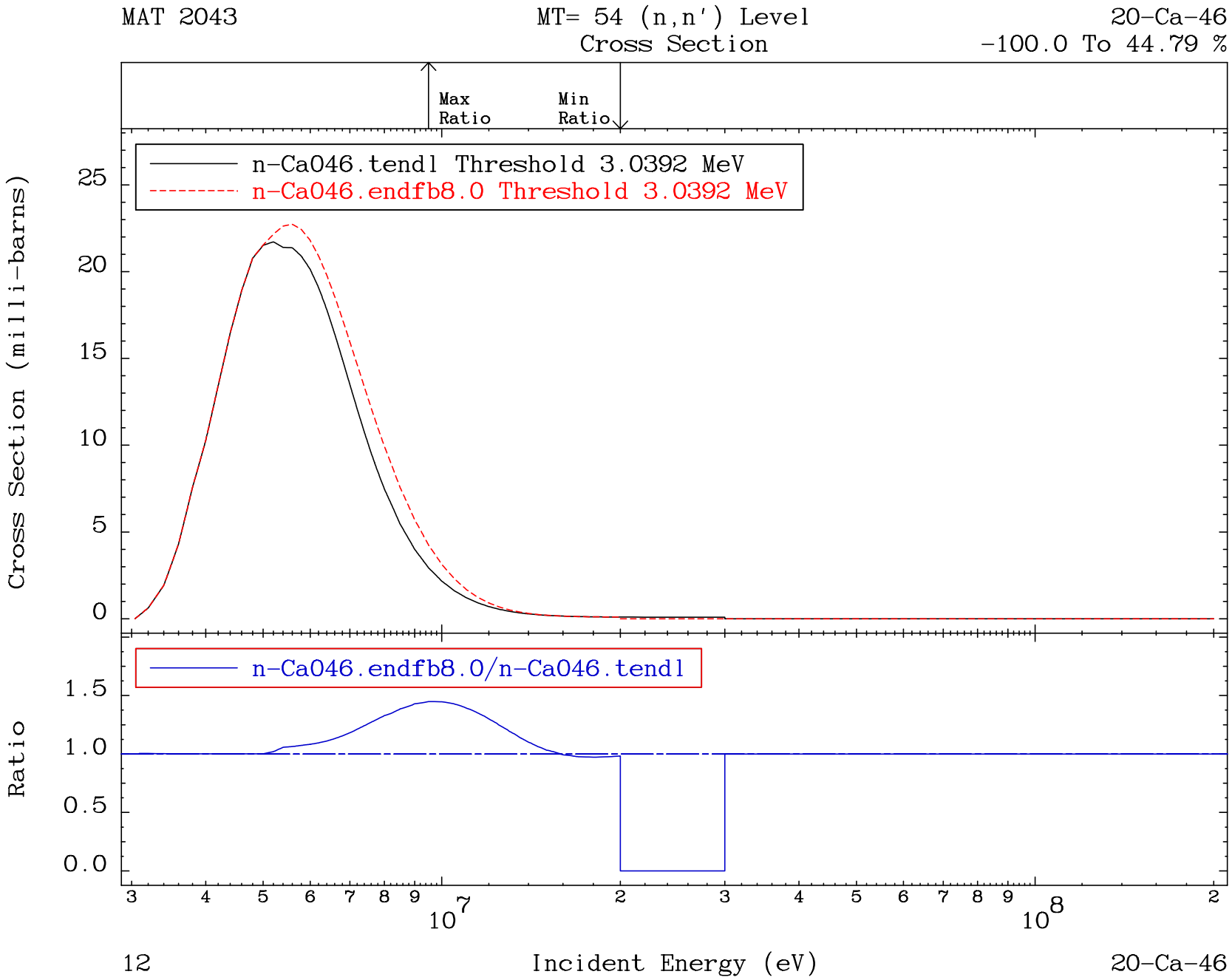

MAT 2043
(n,n') α
Cross Section
20-Ca-46
-100.0 To 98.64 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 11.386 MeV
n-Ca046.endfb8.0 Threshold 12.000 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
20-Ca-46

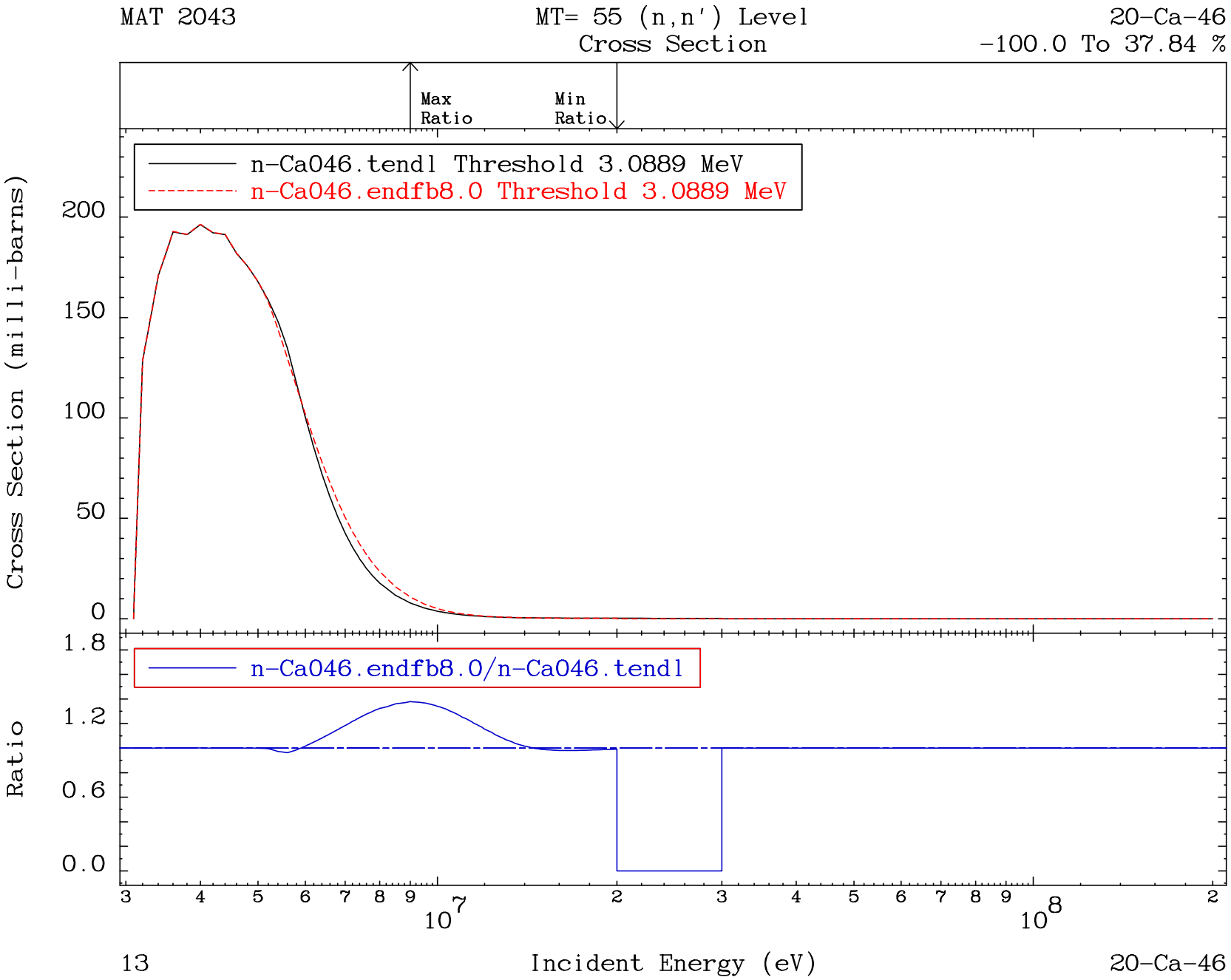

MAT 2043
(n,n') p
Cross Section
20-Ca-46
-100.0 To 15.47 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 14.116 MeV
n-Ca046.endfb8.0 Threshold 14.119 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
1.2
0.8
0.4
0.0
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
20-Ca-46

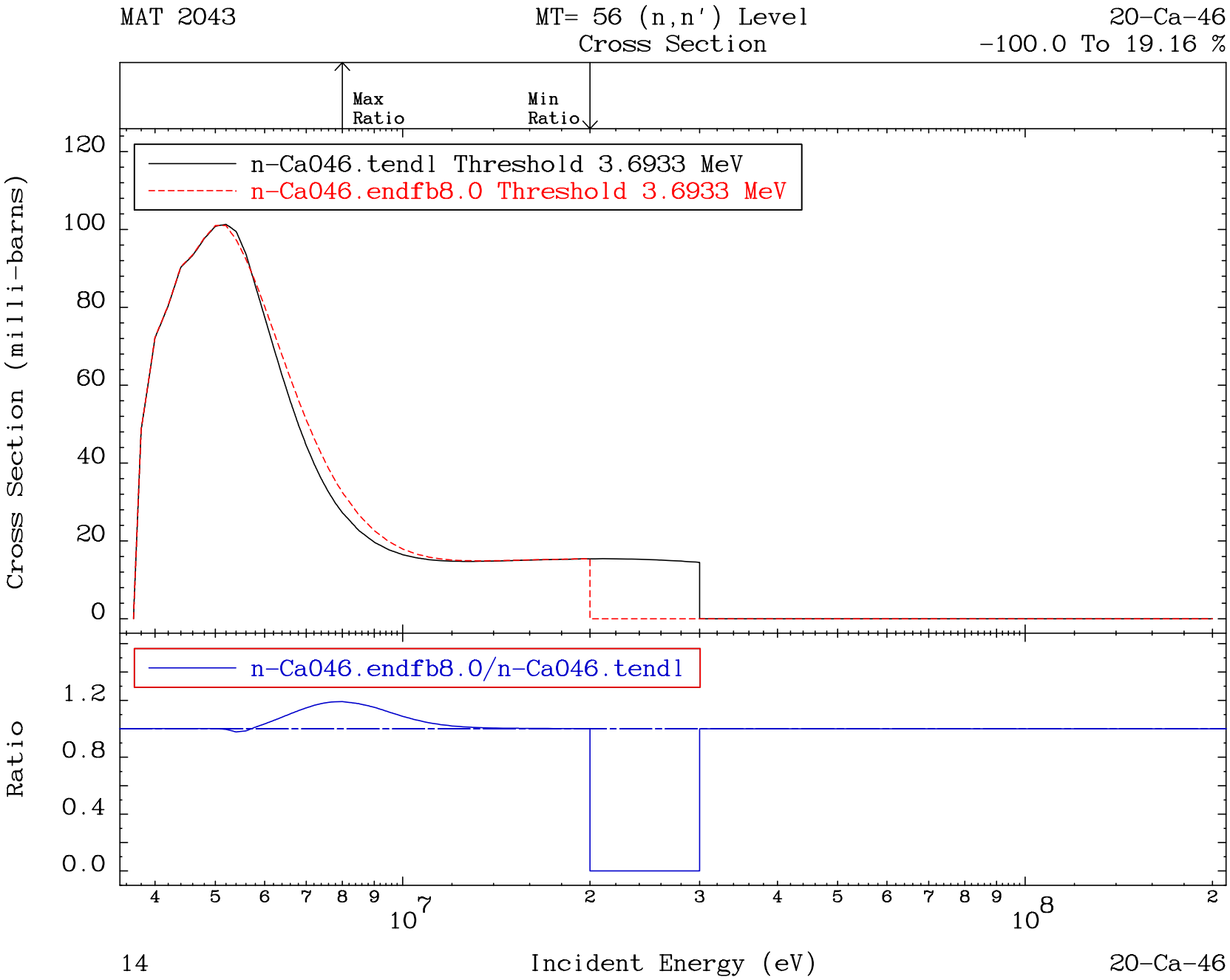

MAT 2043
MT= 51 (n,n') Level
Cross Section
20-Ca-46
-100.0 To 15.21 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 1.3755 MeV
n-Ca046.endfb8.0 Threshold 1.3755 MeV
Cross Section (milli-barns)
800
600
400
200
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
1.2
0.8
0.4
0.0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
9
Incident Energy (eV)
20-Ca-46

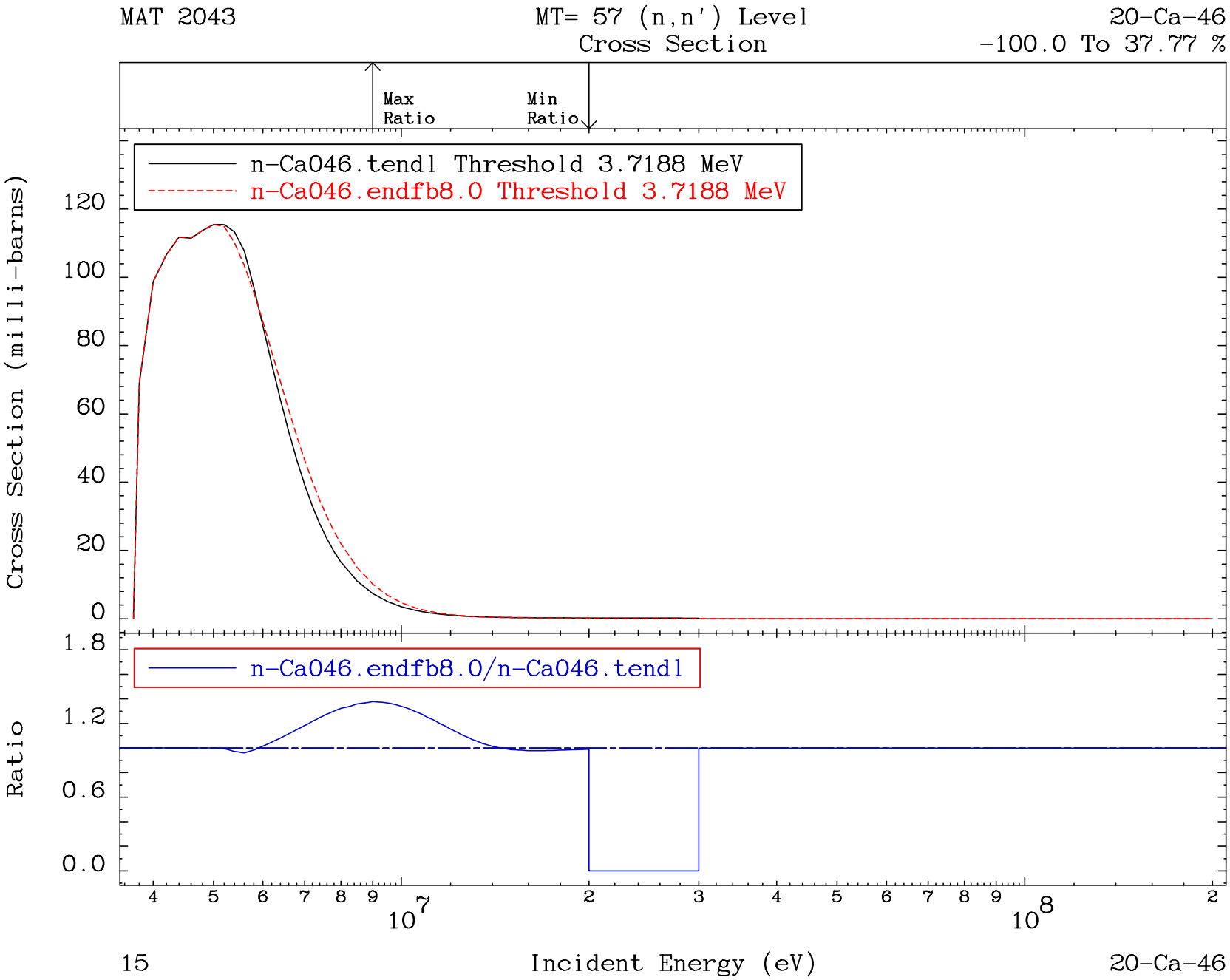

MAT 2043
MT= 52 (n,n') Level
Cross Section
20-Ca-46
-100.0 To 38.61 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 2.4763 MeV
n-Ca046.endfb8.0 Threshold 2.4763 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
1.8
1.2
0.6
0.0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
10
Incident Energy (eV)
20-Ca-46

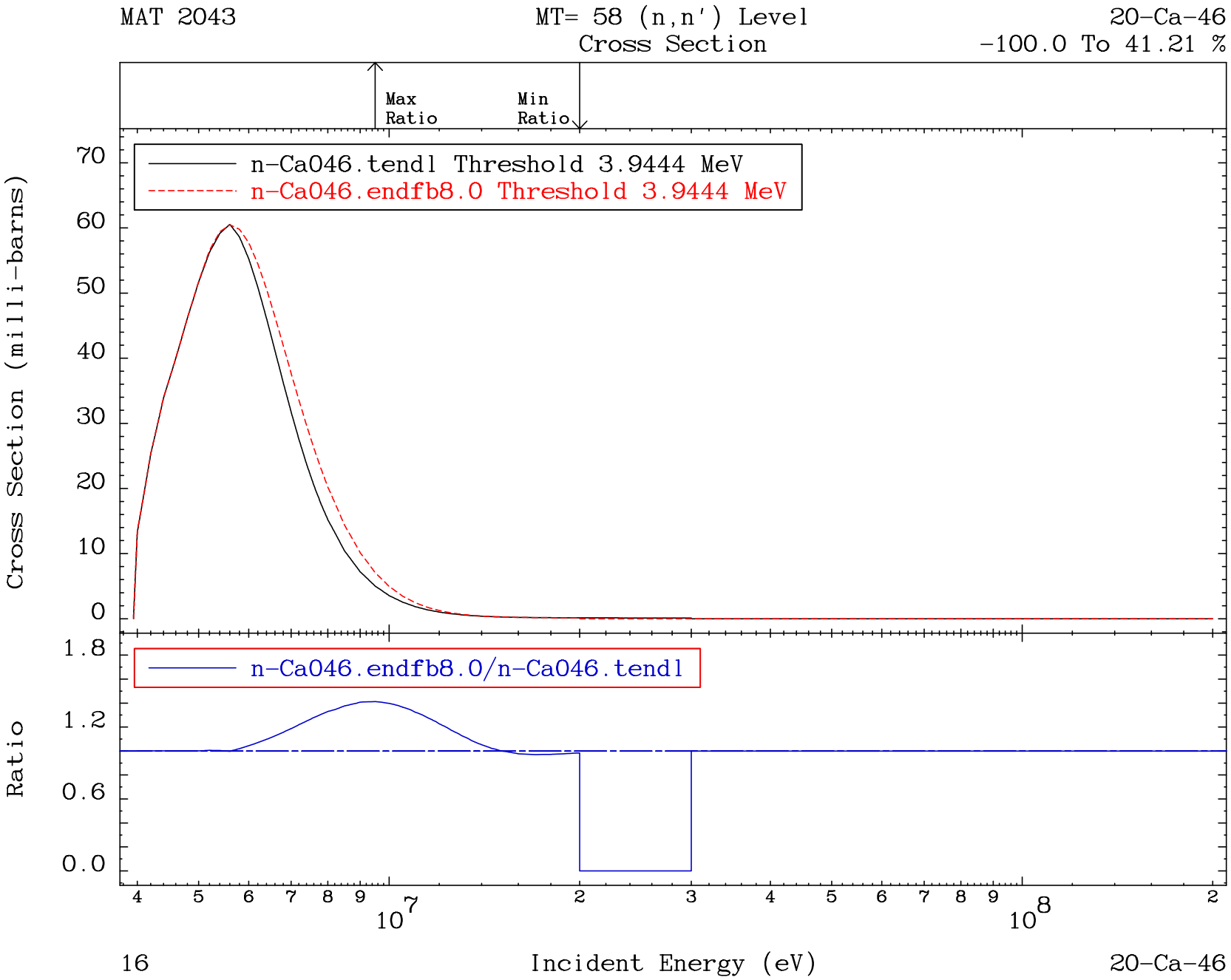

MAT 2043
MT= 53 (n,n') Level
Cross Section
20-Ca-46
-100.0 To 20.92 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 2.6312 MeV
n-Ca046.endfb8.0 Threshold 2.6312 MeV
Cross Section (milli-barns)
160
120
80
40
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
1.2
0.8
0.4
0.0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
11
Incident Energy (eV)
20-Ca-46

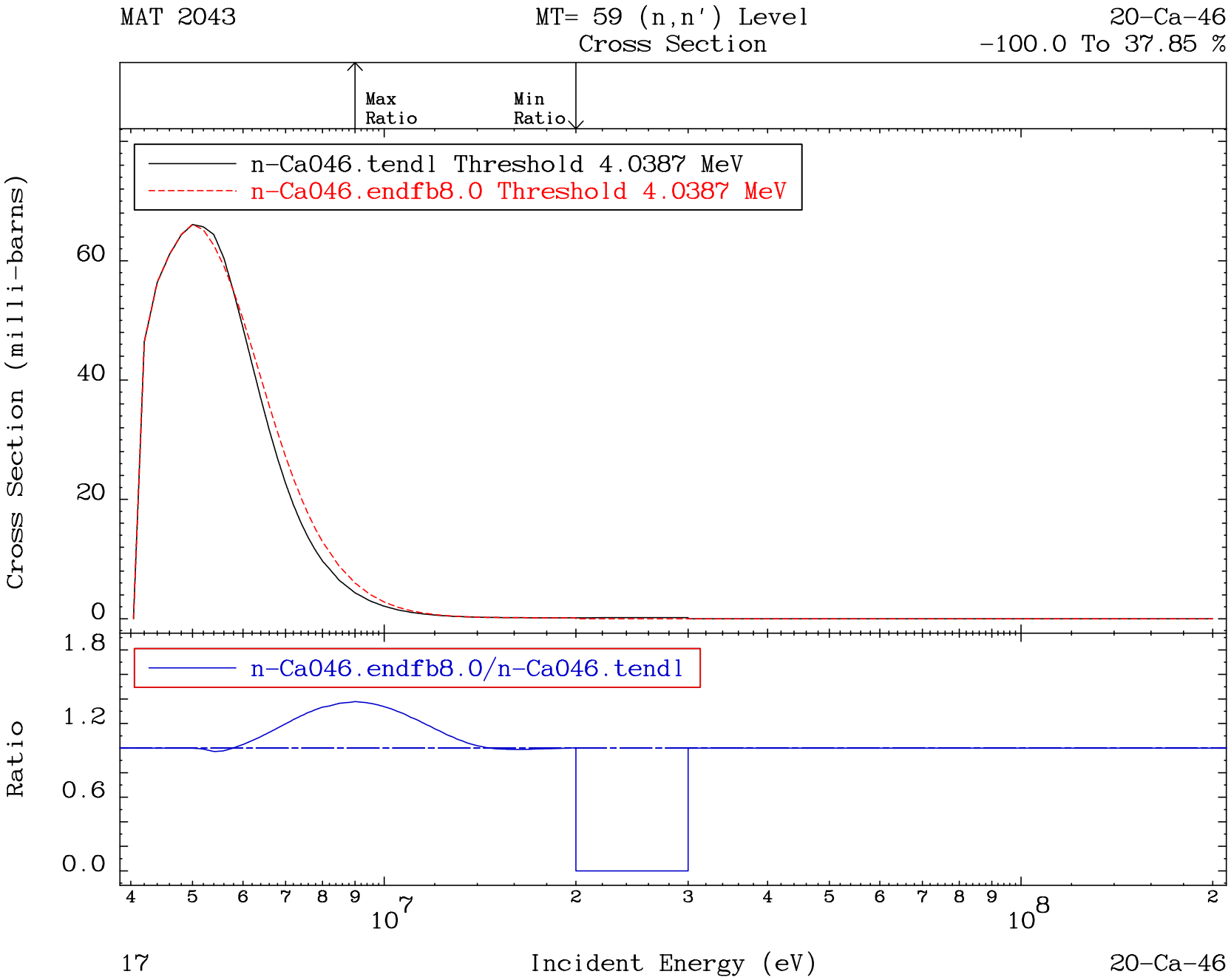

MAT 2043
MT= 54 (n,n') Level
Cross Section
20-Ca-46
-100.0 To 44.79 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 3.0392 MeV
n-Ca046.endfb8.0 Threshold 3.0392 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
1.5
1.0
0.5
0.0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
12
Incident Energy (eV)
20-Ca-46

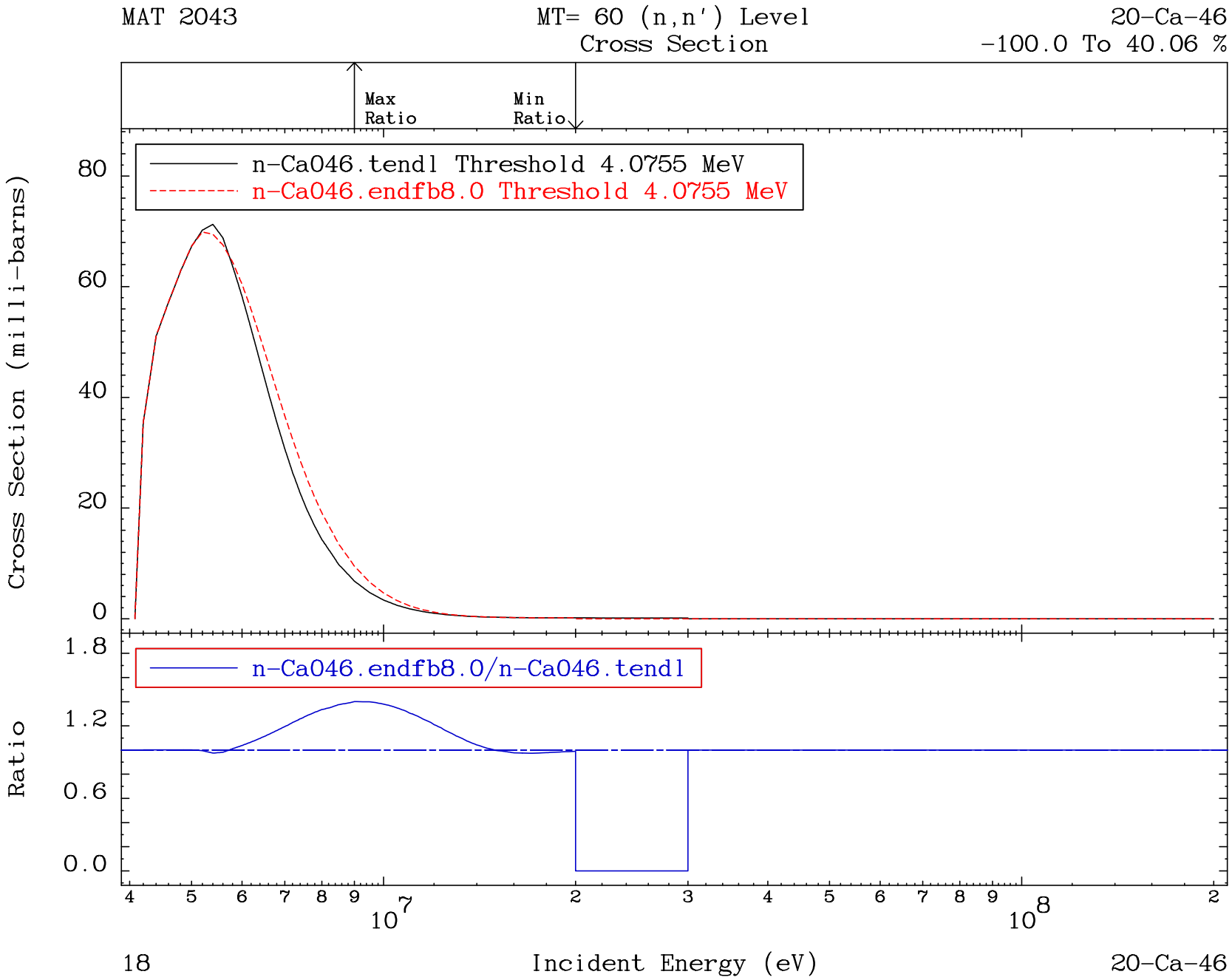

MAT 2043
MT= 55 (n,n') Level
Cross Section
20-Ca-46
-100.0 To 37.84 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 3.0889 MeV
n-Ca046.endfb8.0 Threshold 3.0889 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
1.8
1.2
0.6
0.0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
13
Incident Energy (eV)
20-Ca-46

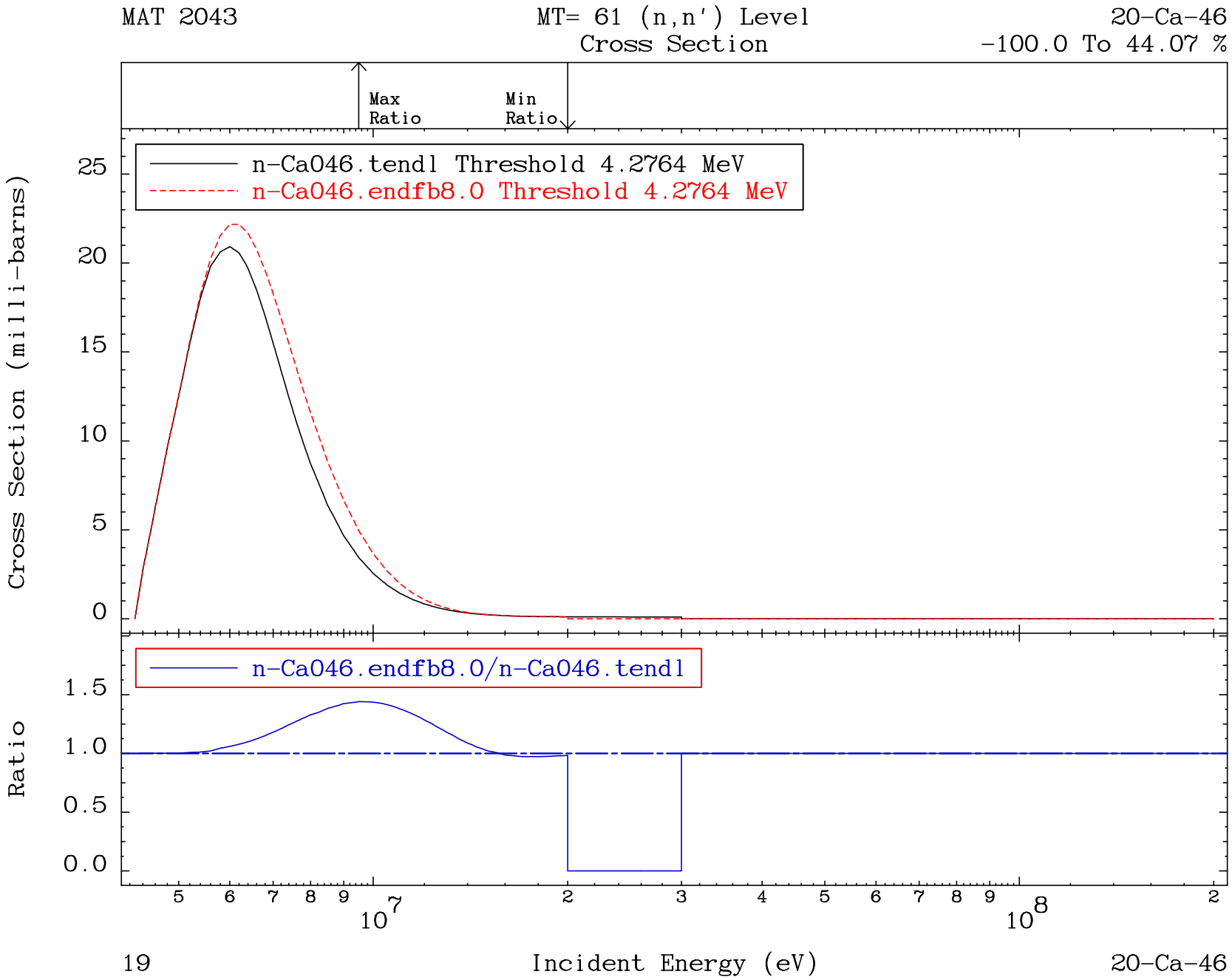

MAT 2043
MT= 56 (n,n') Level
Cross Section
20-Ca-46
-100.0 To 19.16 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 3.6933 MeV
n-Ca046.endfb8.0 Threshold 3.6933 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
1.2
0.8
0.4
0.0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
14
Incident Energy (eV)
20-Ca-46

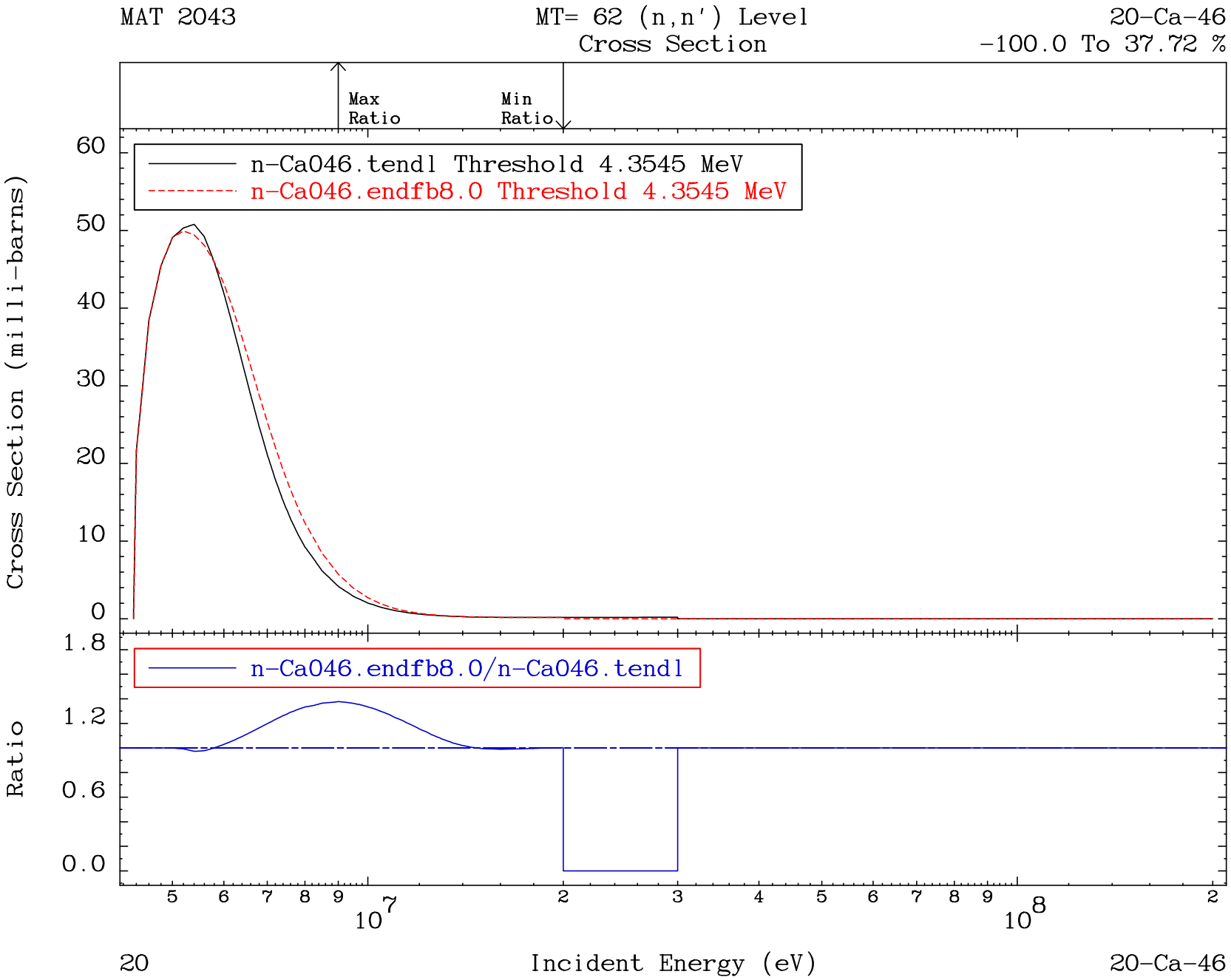

MAT 2043
MT= 57 (n,n') Level
Cross Section
20-Ca-46
-100.0 To 37.77 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 3.7188 MeV
n-Ca046.endfb8.0 Threshold 3.7188 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
1.8
1.2
0.6
0.0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
15
Incident Energy (eV)
20-Ca-46

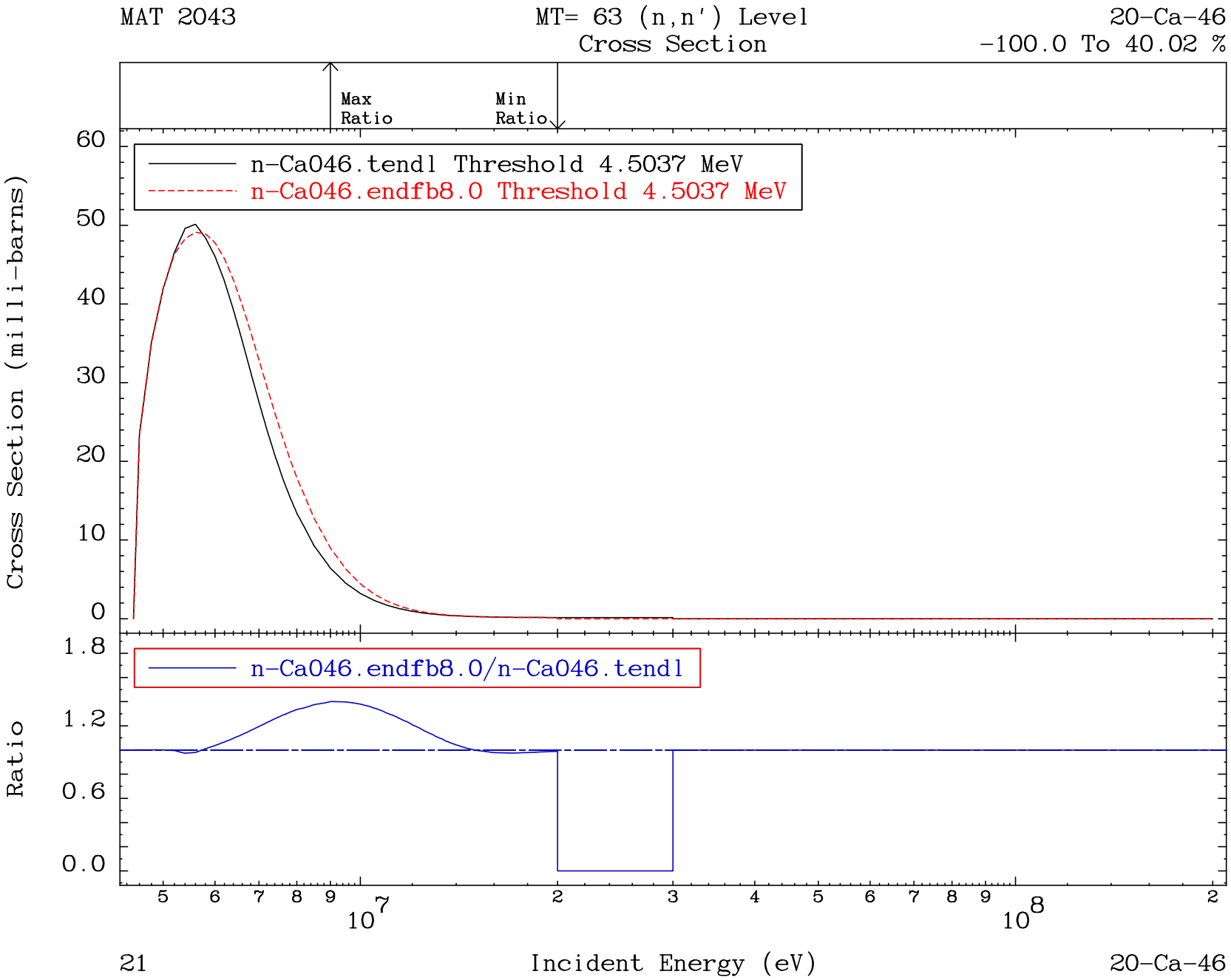

MAT 2043
MT= 58 (n,n') Level
Cross Section
20-Ca-46
-100.0 To 41.21 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 3.9444 MeV
n-Ca046.endfb8.0 Threshold 3.9444 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
1.8
1.2
0.6
0.0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
16
Incident Energy (eV)
20-Ca-46

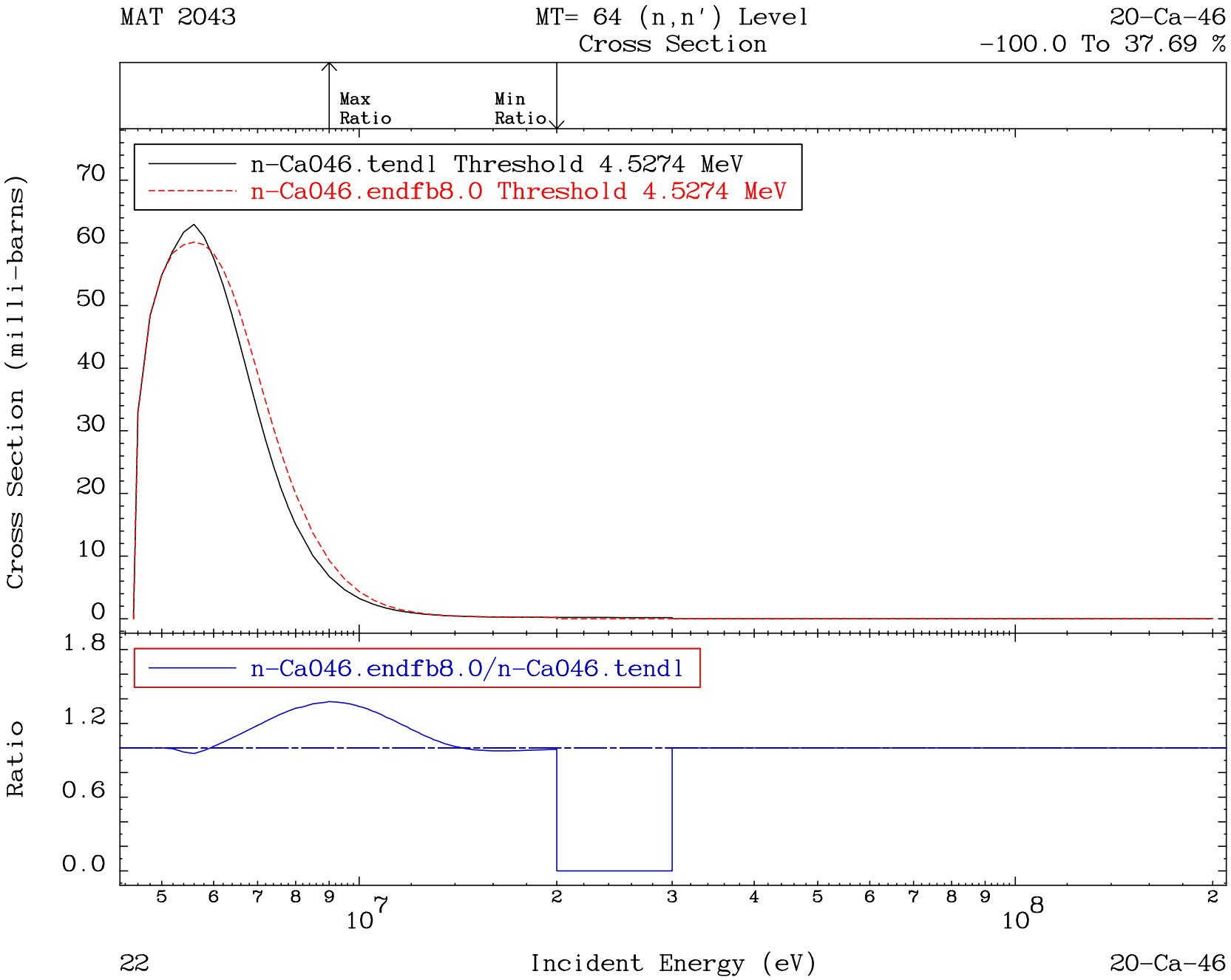

MAT 2043
MT= 59 (n,n') Level
Cross Section
20-Ca-46
-100.0 To 37.85 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 4.0387 MeV
n-Ca046.endfb8.0 Threshold 4.0387 MeV
Cross Section (milli-barns)
60
40
20
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
1.8
1.2
0.6
0.0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
17
Incident Energy (eV)
20-Ca-46

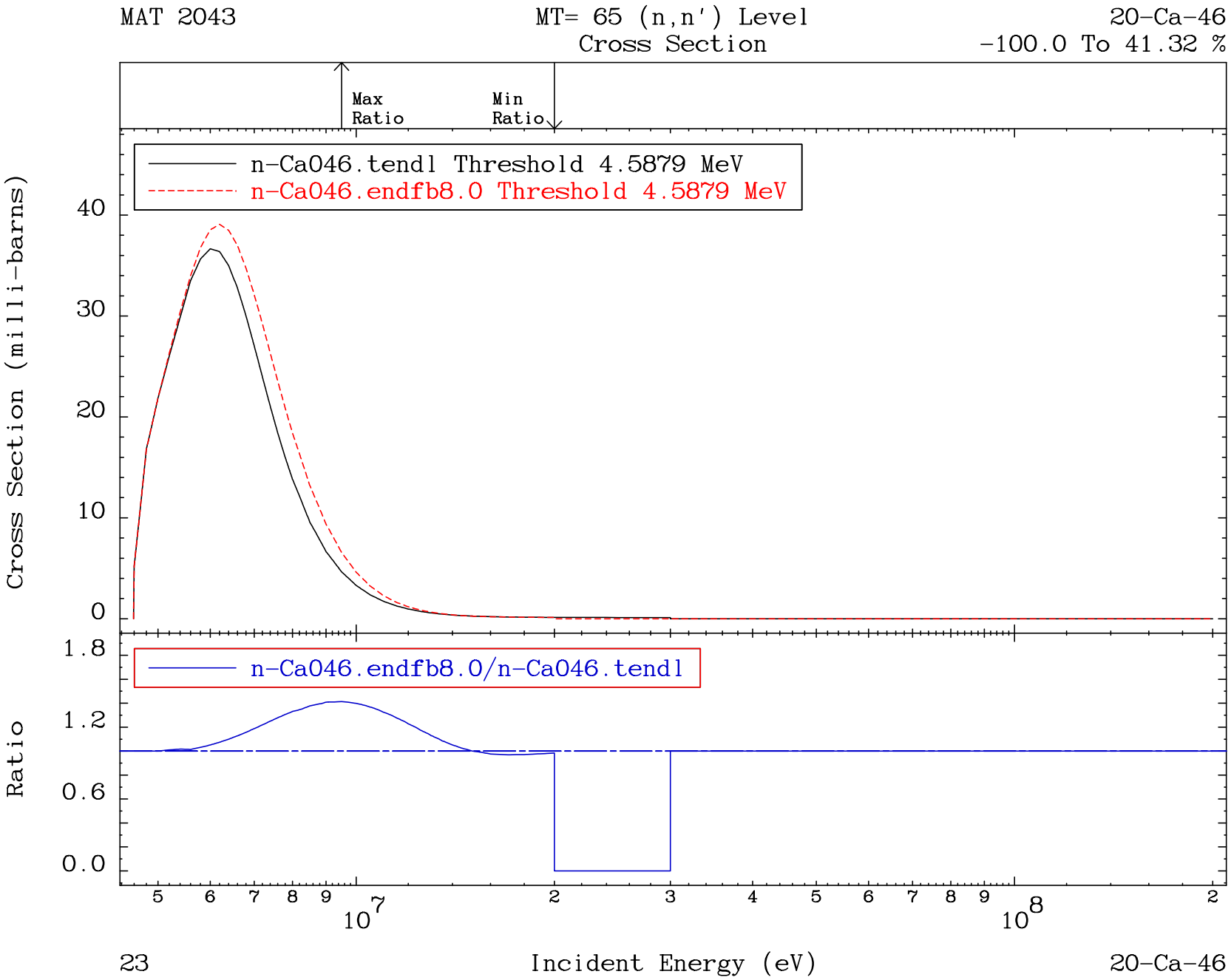

MAT 2043
MT= 60 (n,n') Level
Cross Section
20-Ca-46
-100.0 To 40.06 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 4.0755 MeV
n-Ca046.endfb8.0 Threshold 4.0755 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
1.8
1.2
0.6
0.0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
18
Incident Energy (eV)
20-Ca-46

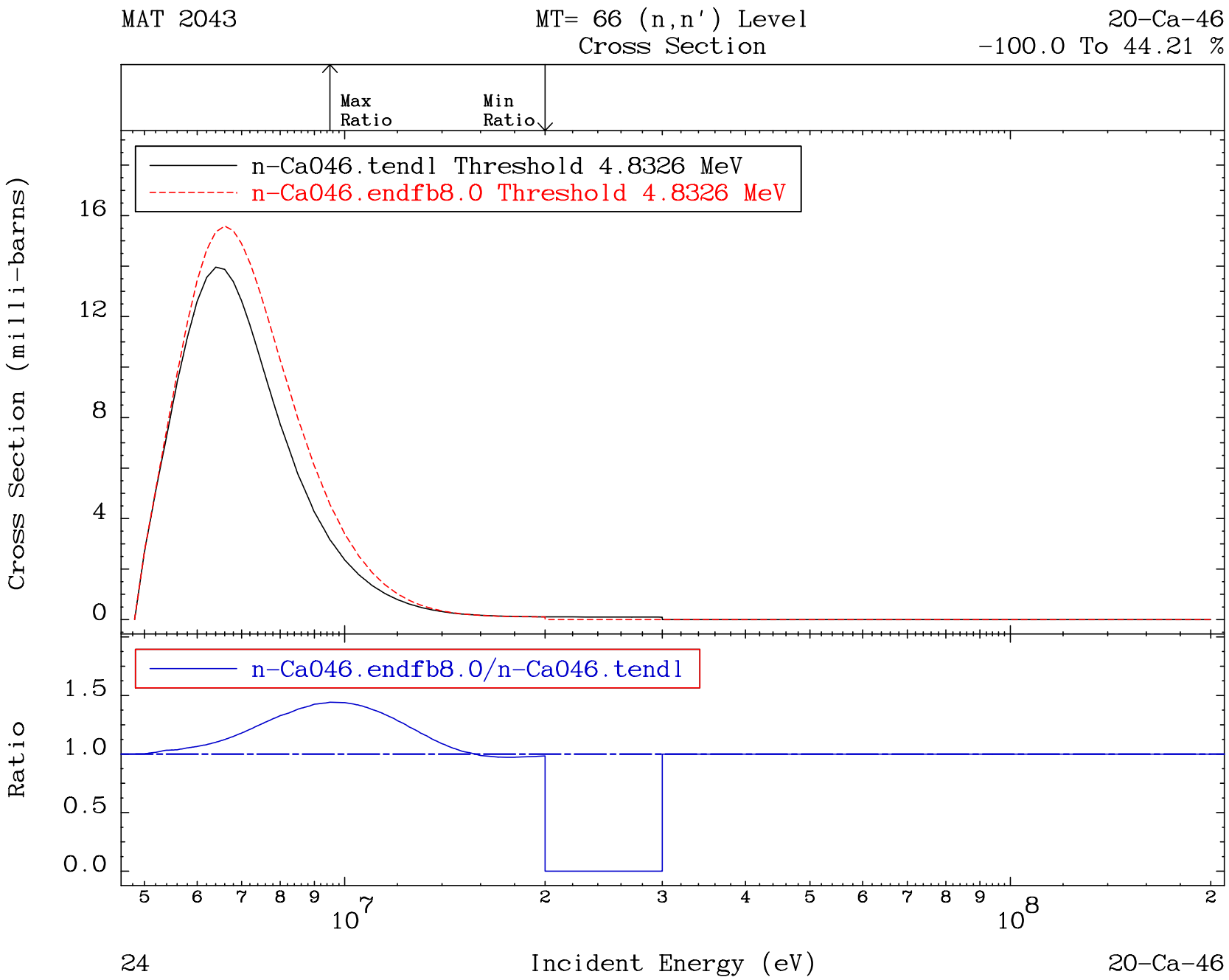

MAT 2043
MT= 61 (n,n') Level
Cross Section
20-Ca-46
-100.0 To 44.07 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 4.2764 MeV
n-Ca046.endfb8.0 Threshold 4.2764 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
1.5
1.0
0.5
0.0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
19
Incident Energy (eV)
20-Ca-46

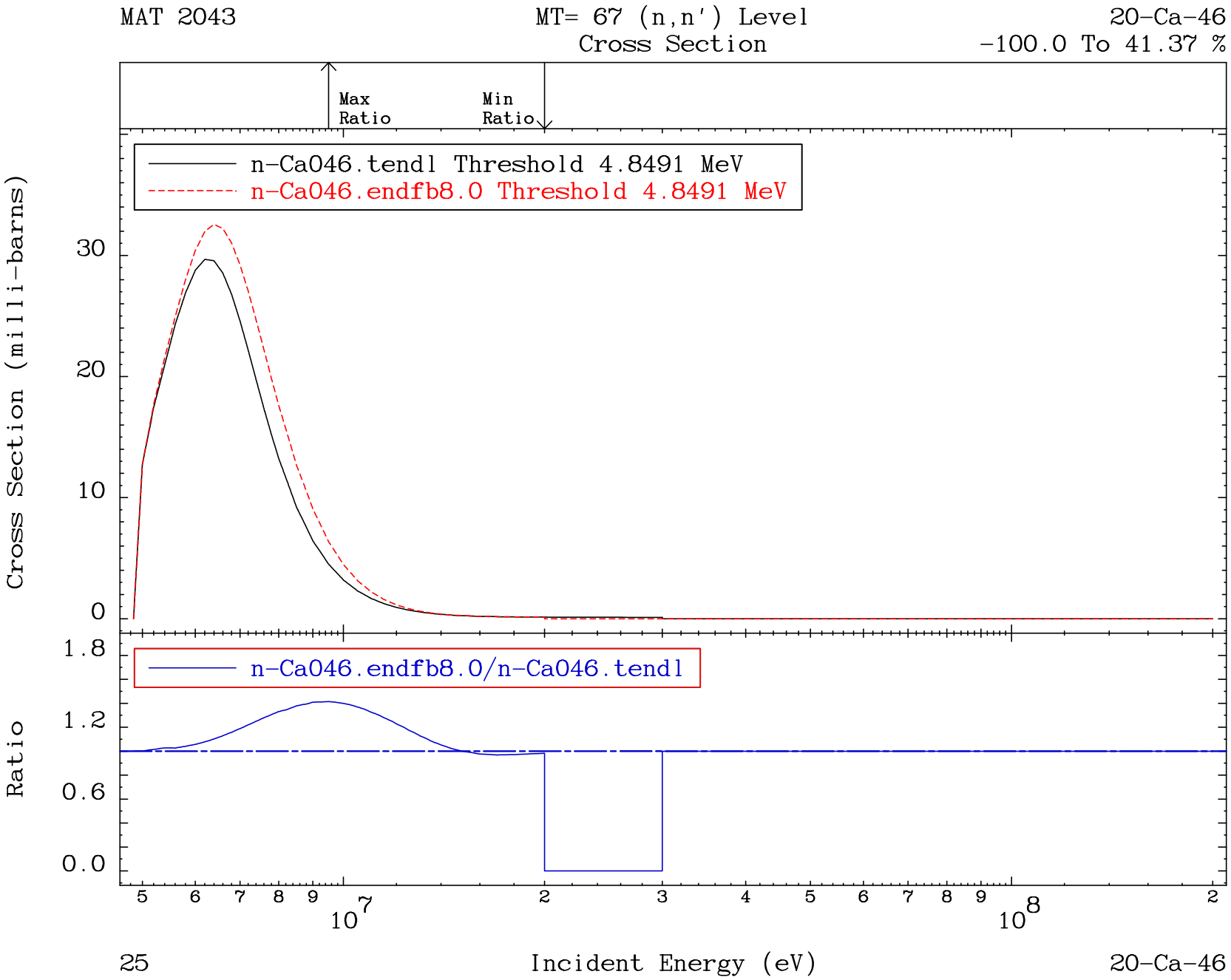

MAT 2043
MT= 62 (n,n') Level
Cross Section
20-Ca-46
-100.0 To 37.72 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 4.3545 MeV
n-Ca046.endfb8.0 Threshold 4.3545 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
1.8
1.2
0.6
0.0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
20
Incident Energy (eV)
20-Ca-46

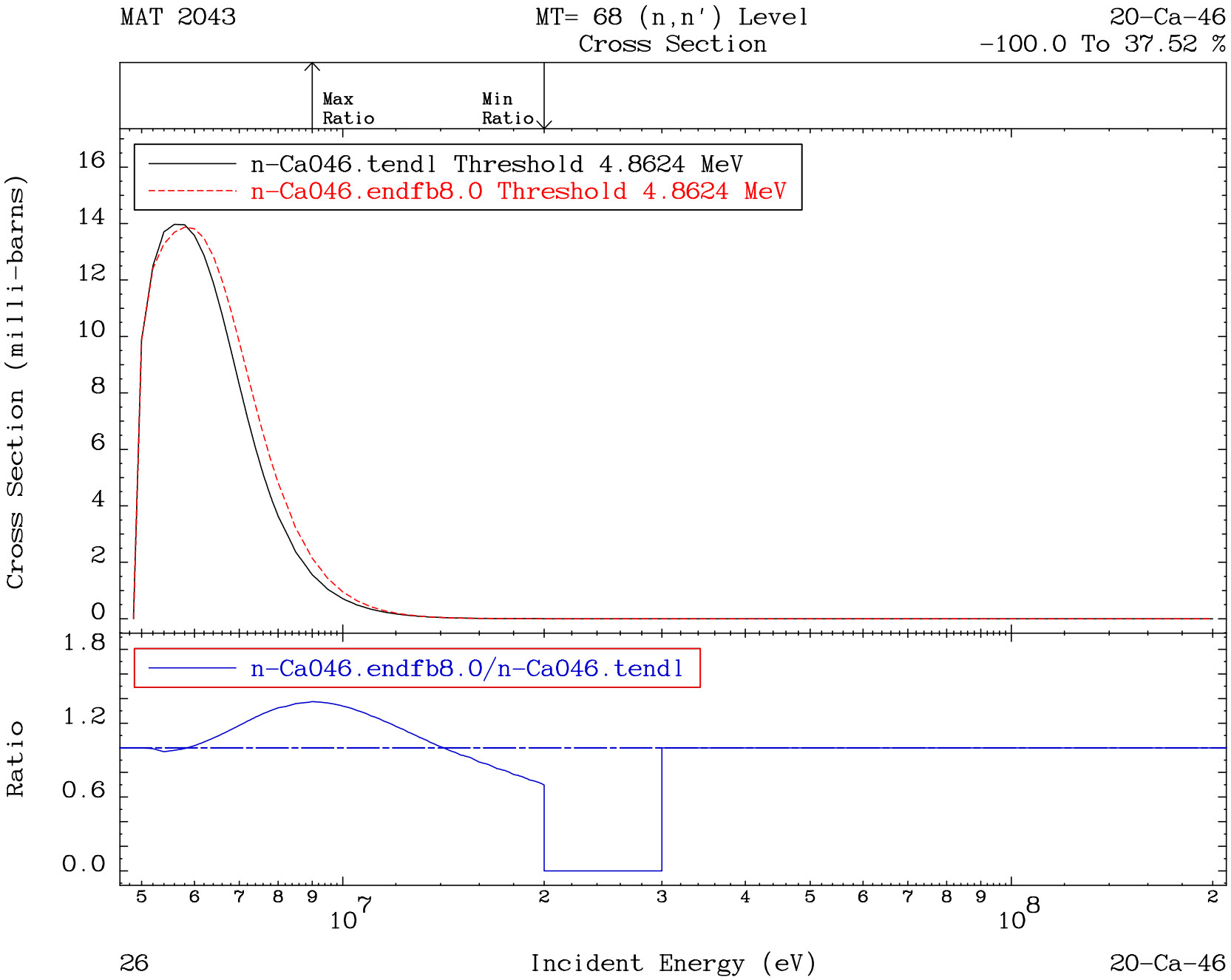

MAT 2043
MT= 63 (n,n') Level
Cross Section
20-Ca-46
-100.0 To 40.02 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 4.5037 MeV
n-Ca046.endfb8.0 Threshold 4.5037 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
1.8
1.2
0.6
0.0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
21
Incident Energy (eV)
20-Ca-46

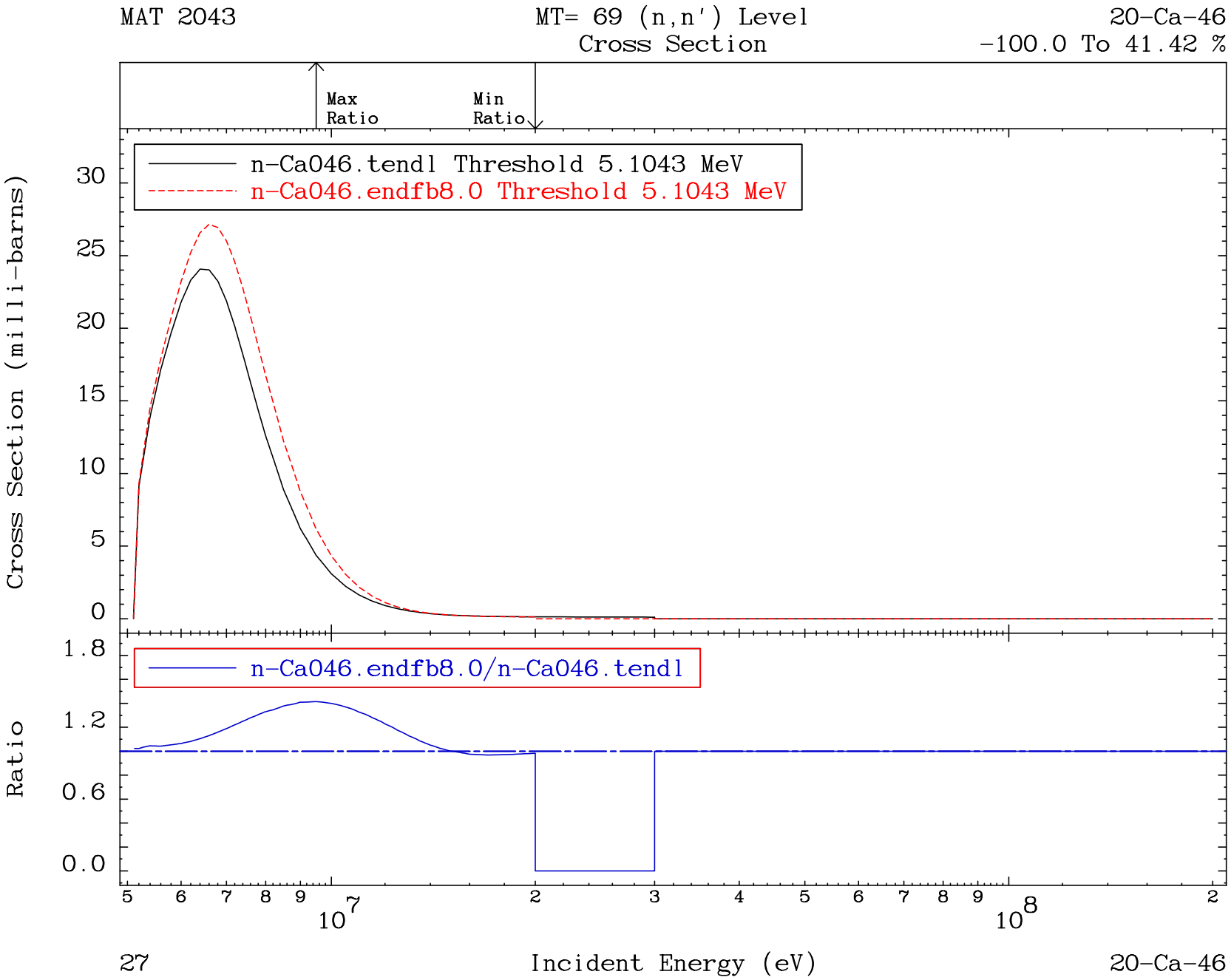

MAT 2043
MT= 64 (n,n') Level
Cross Section
20-Ca-46
-100.0 To 37.69 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 4.5274 MeV
n-Ca046.endfb8.0 Threshold 4.5274 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
1.8
1.2
0.6
0.0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
22
Incident Energy (eV)
20-Ca-46

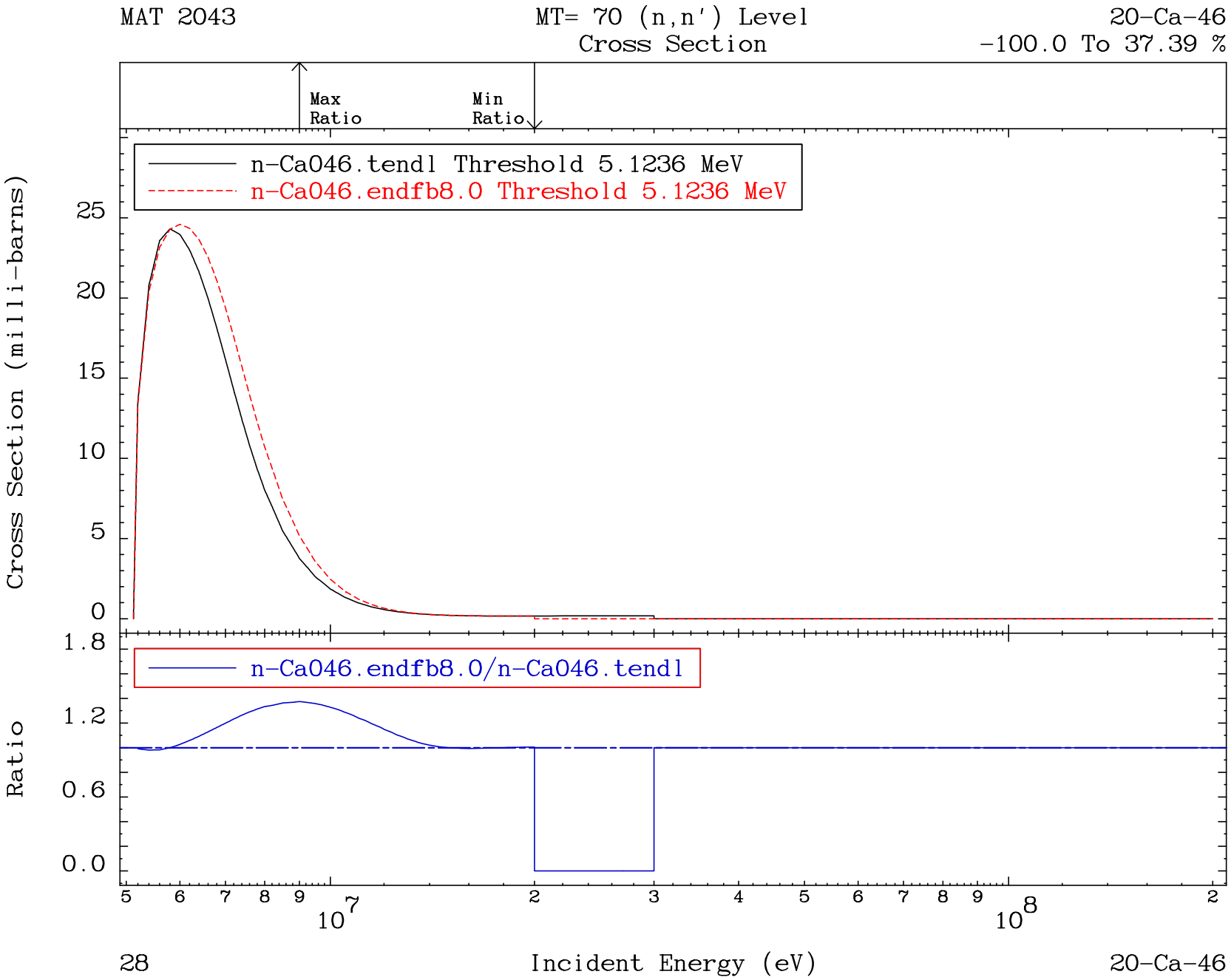

MAT 2043
MT= 65 (n,n') Level
Cross Section
20-Ca-46
-100.0 To 41.32 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 4.5879 MeV
n-Ca046.endfb8.0 Threshold 4.5879 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
1.8
1.2
0.6
0.0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
23
Incident Energy (eV)
20-Ca-46

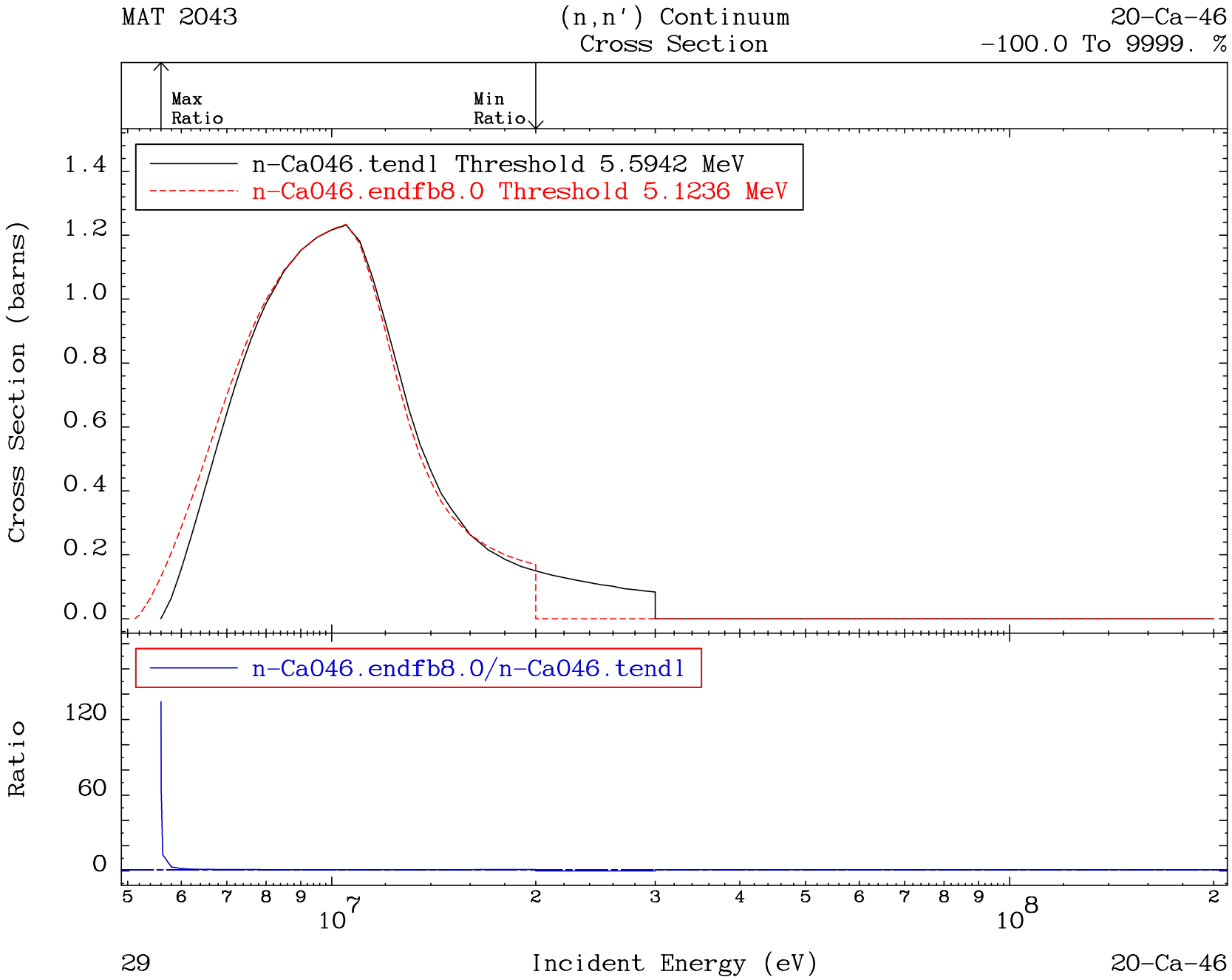

MAT 2043
MT= 66 (n,n') Level
Cross Section
20-Ca-46
-100.0 To 44.21 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 4.8326 MeV
n-Ca046.endfb8.0 Threshold 4.8326 MeV
Cross Section (milli-barns)
16
12
8
4
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
1.5
1.0
0.5
0.0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
24
Incident Energy (eV)
20-Ca-46

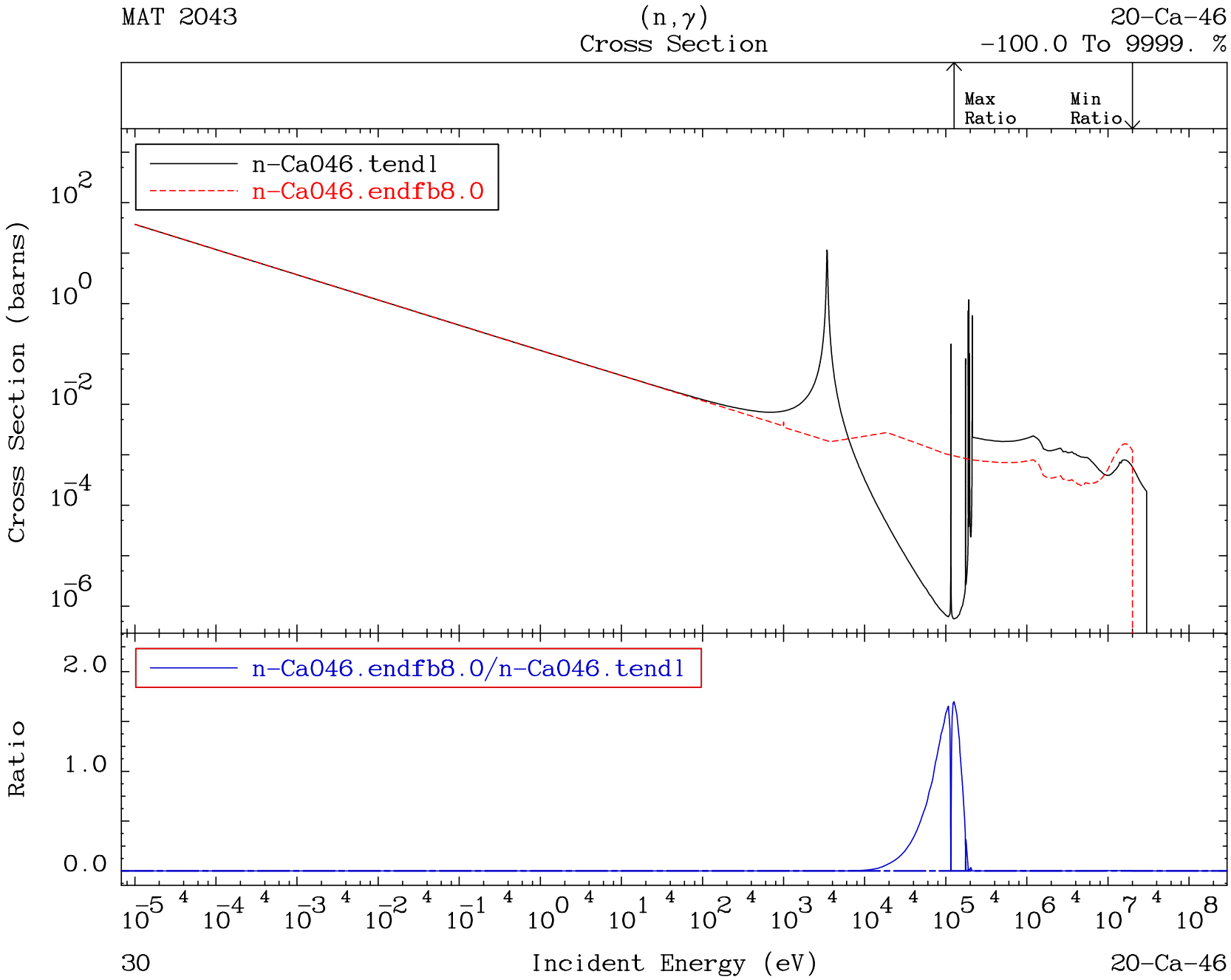

MAT 2043
MT= 67 (n,n') Level
Cross Section
20-Ca-46
-100.0 To 41.37 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 4.8491 MeV
n-Ca046.endfb8.0 Threshold 4.8491 MeV
Cross Section (milli-barns)
30
20
10
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
1.8
1.2
0.6
0.0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
25
Incident Energy (eV)
20-Ca-46

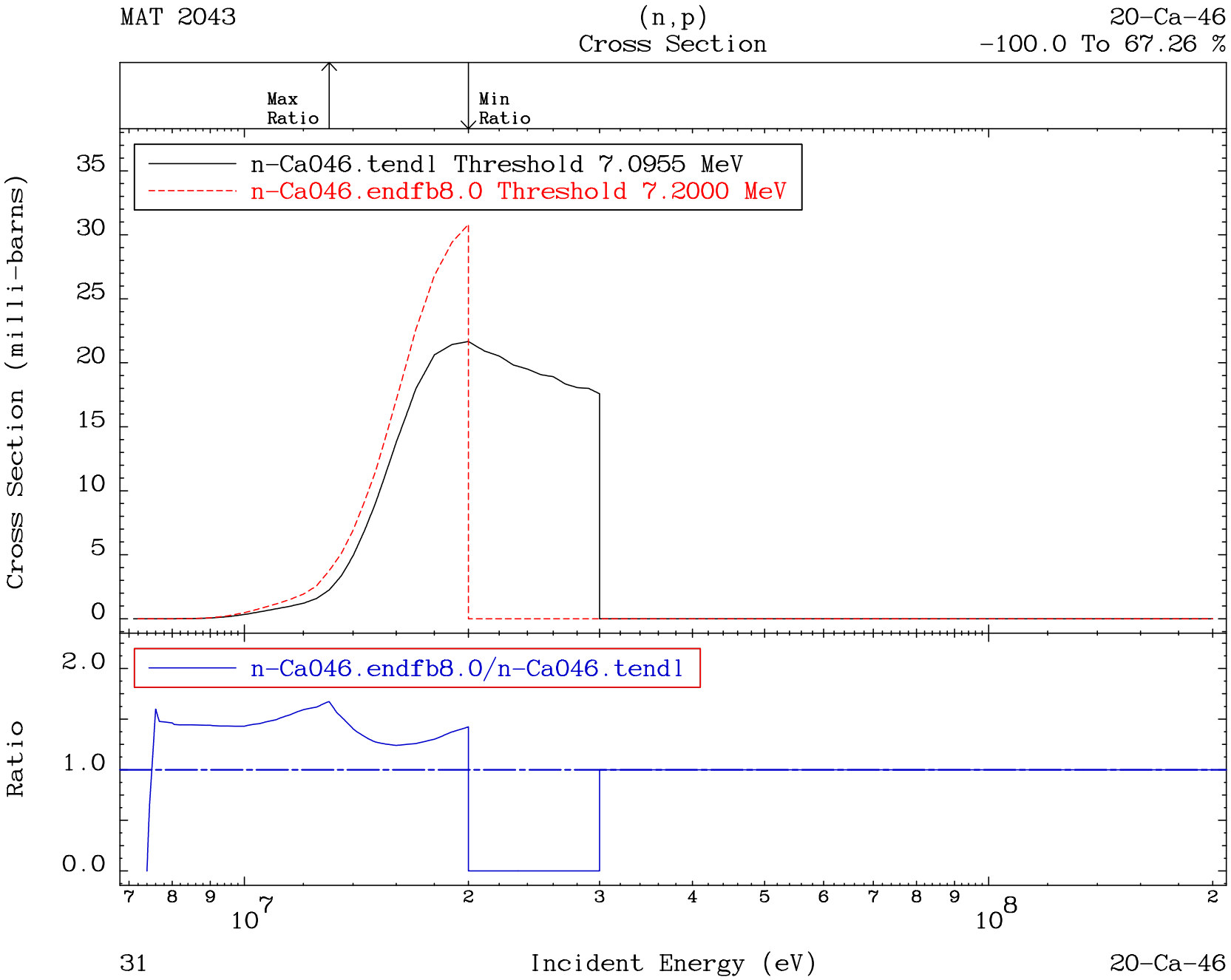

MAT 2043
MT= 68 (n,n') Level
Cross Section
20-Ca-46
-100.0 To 37.52 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 4.8624 MeV
n-Ca046.endfb8.0 Threshold 4.8624 MeV
Cross Section (milli-barns)
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
Incident Energy (eV)
26
20-Ca-46

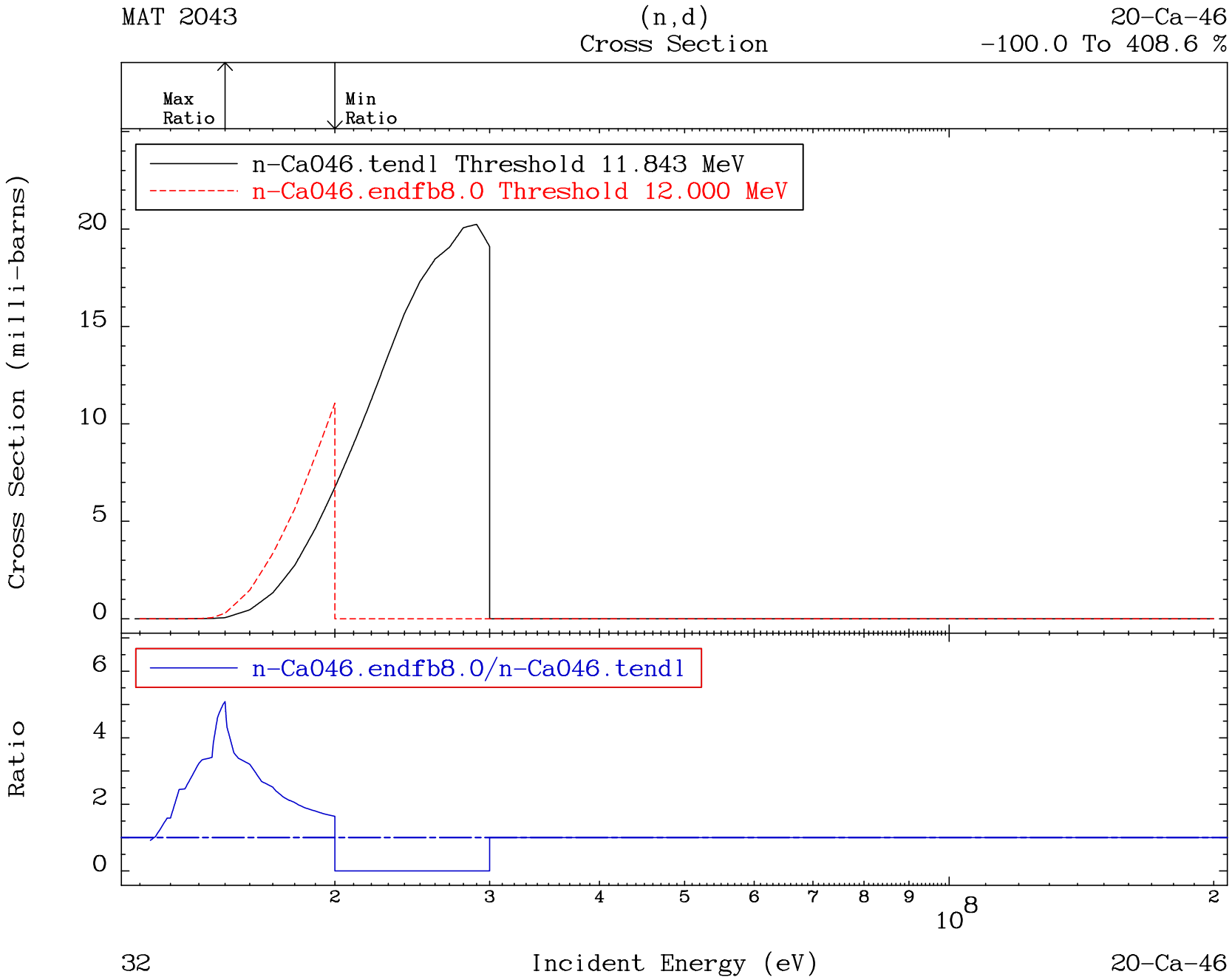

MAT 2043
MT= 69 (n,n') Level
Cross Section
20-Ca-46
-100.0 To 41.42 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 5.1043 MeV
n-Ca046.endfb8.0 Threshold 5.1043 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
1.8
1.2
0.6
0.0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
27
Incident Energy (eV)
20-Ca-46

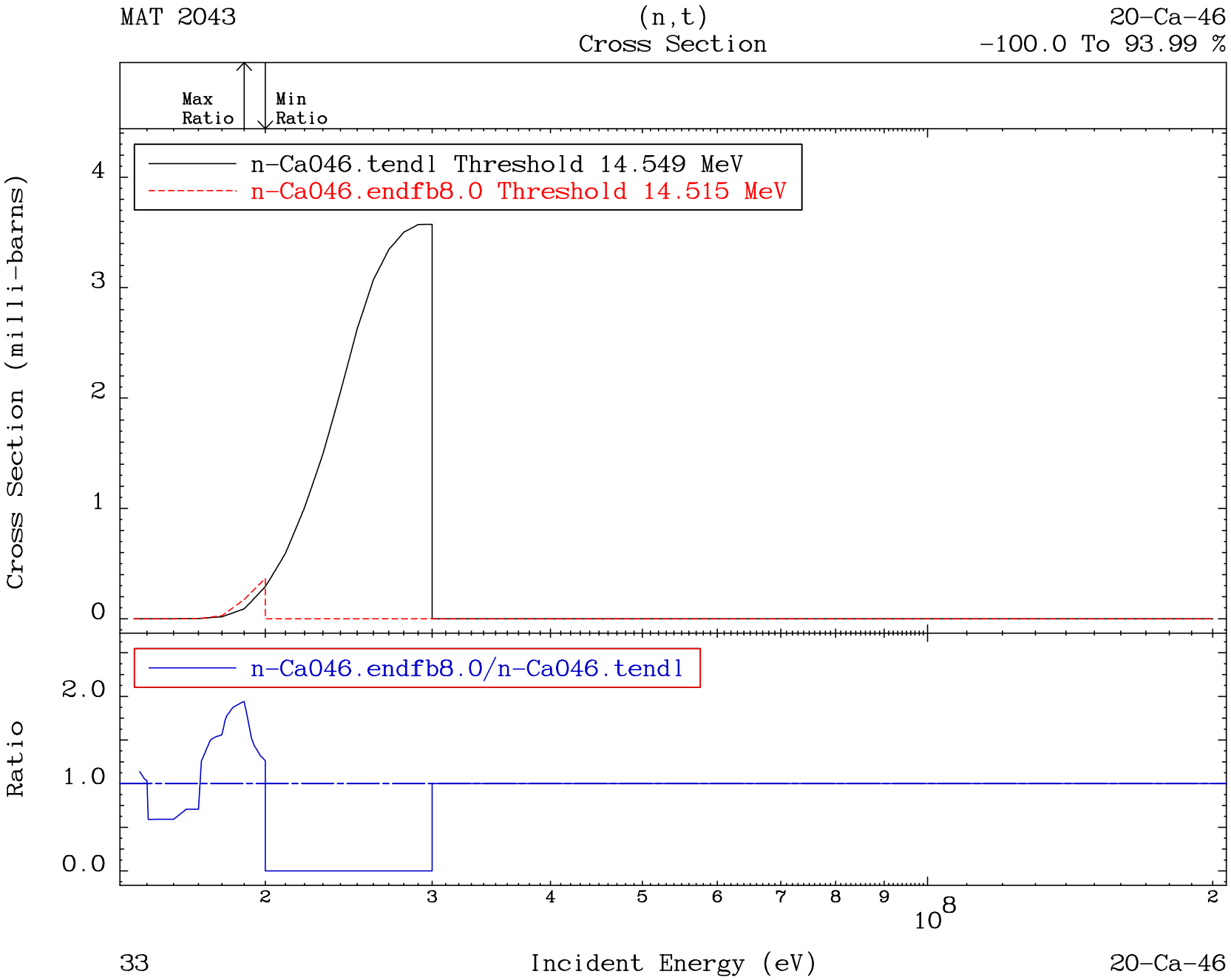

MAT 2043
MT= 70 (n,n') Level
Cross Section
20-Ca-46
-100.0 To 37.39 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 5.1236 MeV
n-Ca046.endfb8.0 Threshold 5.1236 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
1.8
1.2
0.6
0.0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
28
Incident Energy (eV)
20-Ca-46

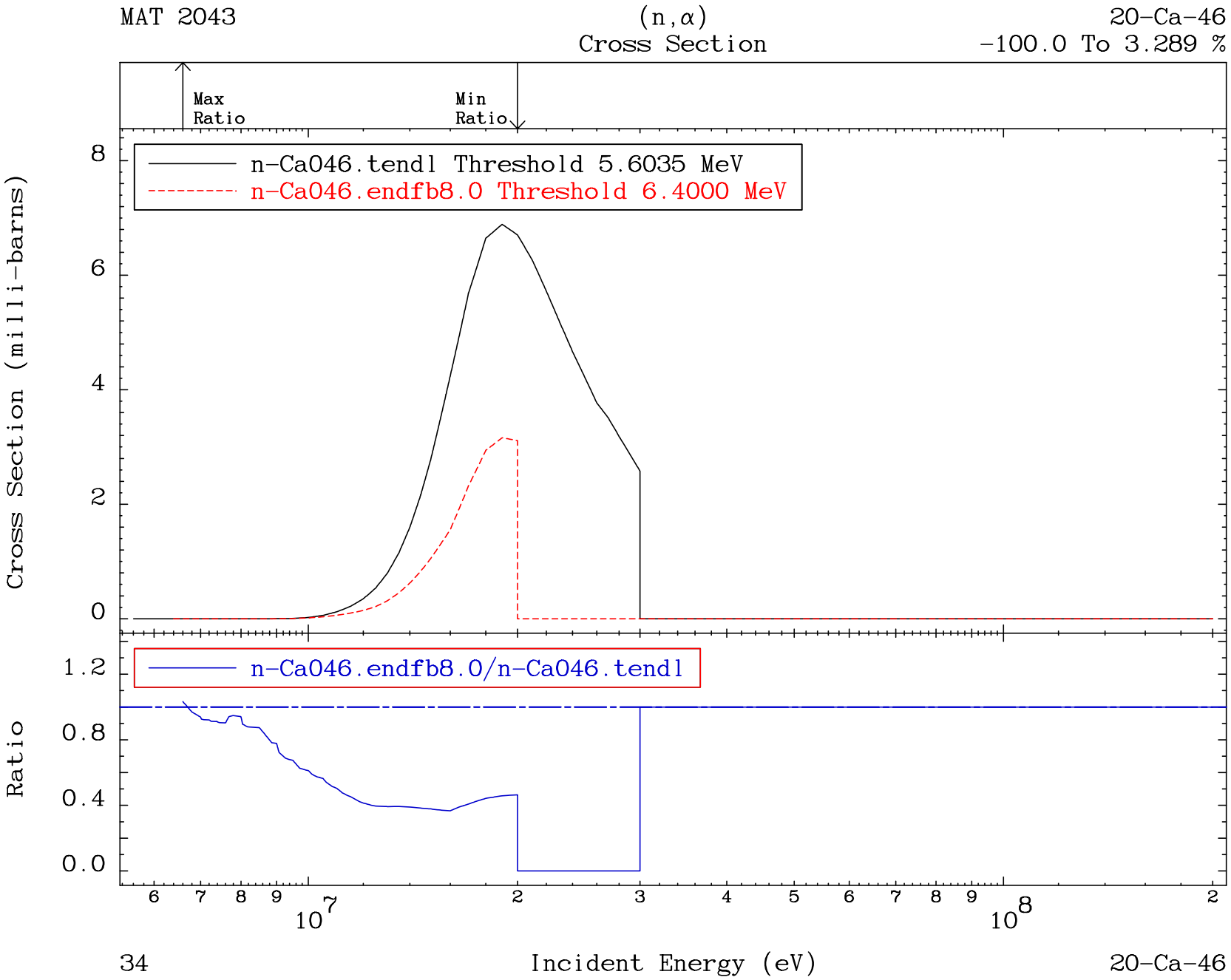

MAT 2043
(n,n') Continuum
Cross Section
20-Ca-46
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 5.5942 MeV
n-Ca046.endfb8.0 Threshold 5.1236 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
120
60
0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
29
Incident Energy (eV)
20-Ca-46

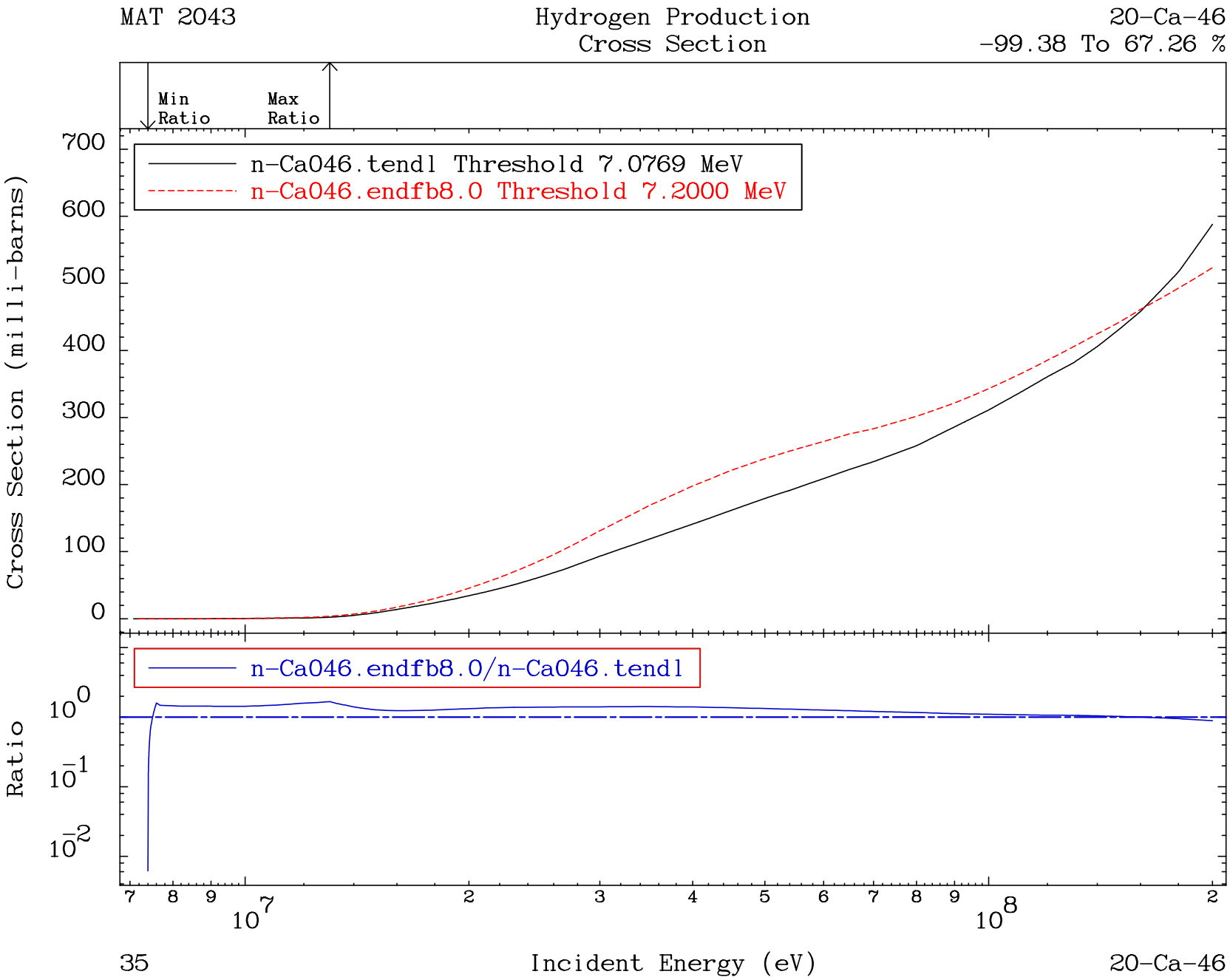

MAT 2043
(n,γ)
Cross Section
20-Ca-46
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Ca046.tendl
n-Ca046.endfb8.0
Cross Section (barns)
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
Incident Energy (eV)
30
20-Ca-46

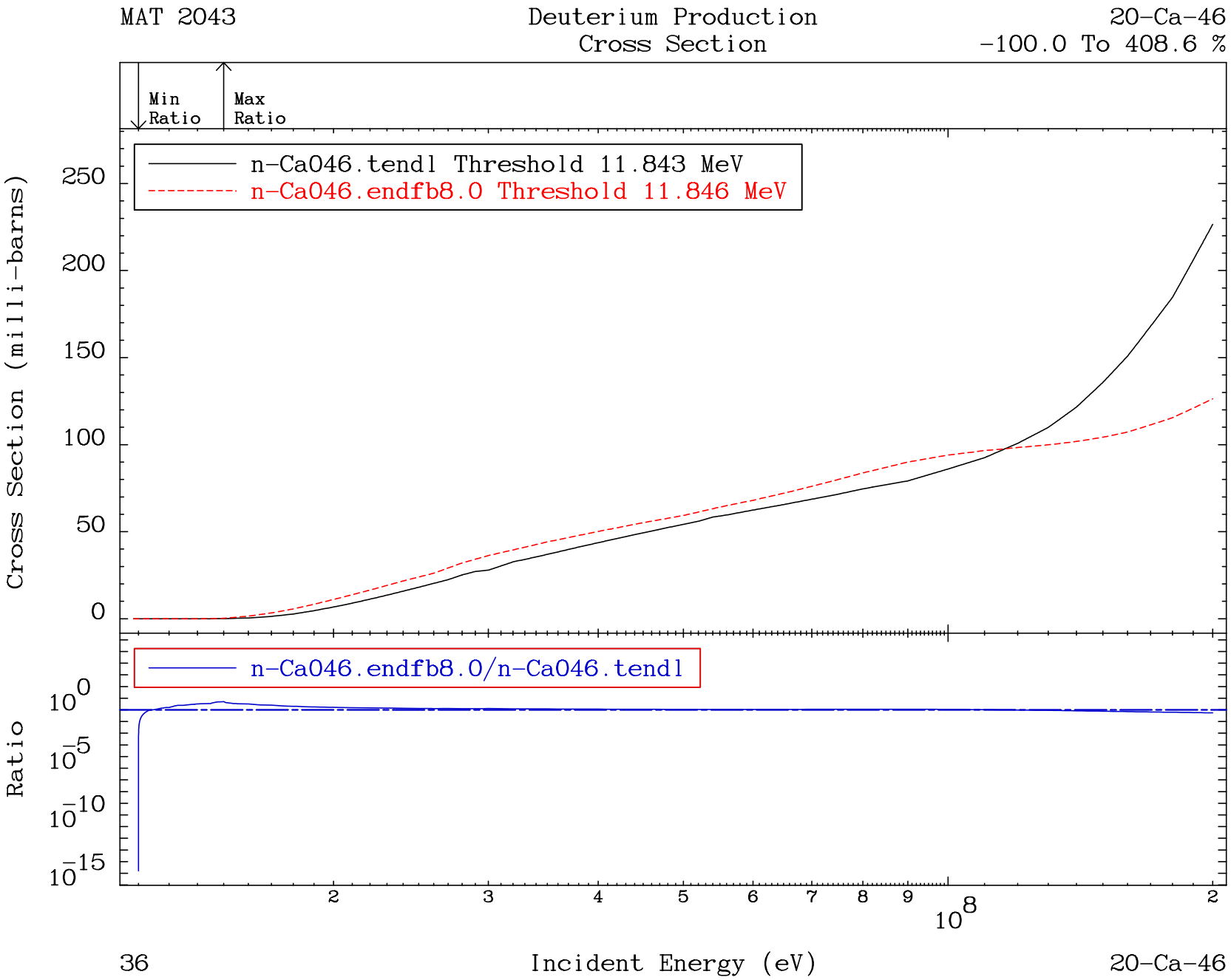

MAT 2043
(n,p)
Cross Section
20-Ca-46
-100.0 To 67.26 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 7.0955 MeV
n-Ca046.endfb8.0 Threshold 7.2000 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
2.0
1.0
0.0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
31
Incident Energy (eV)
20-Ca-46

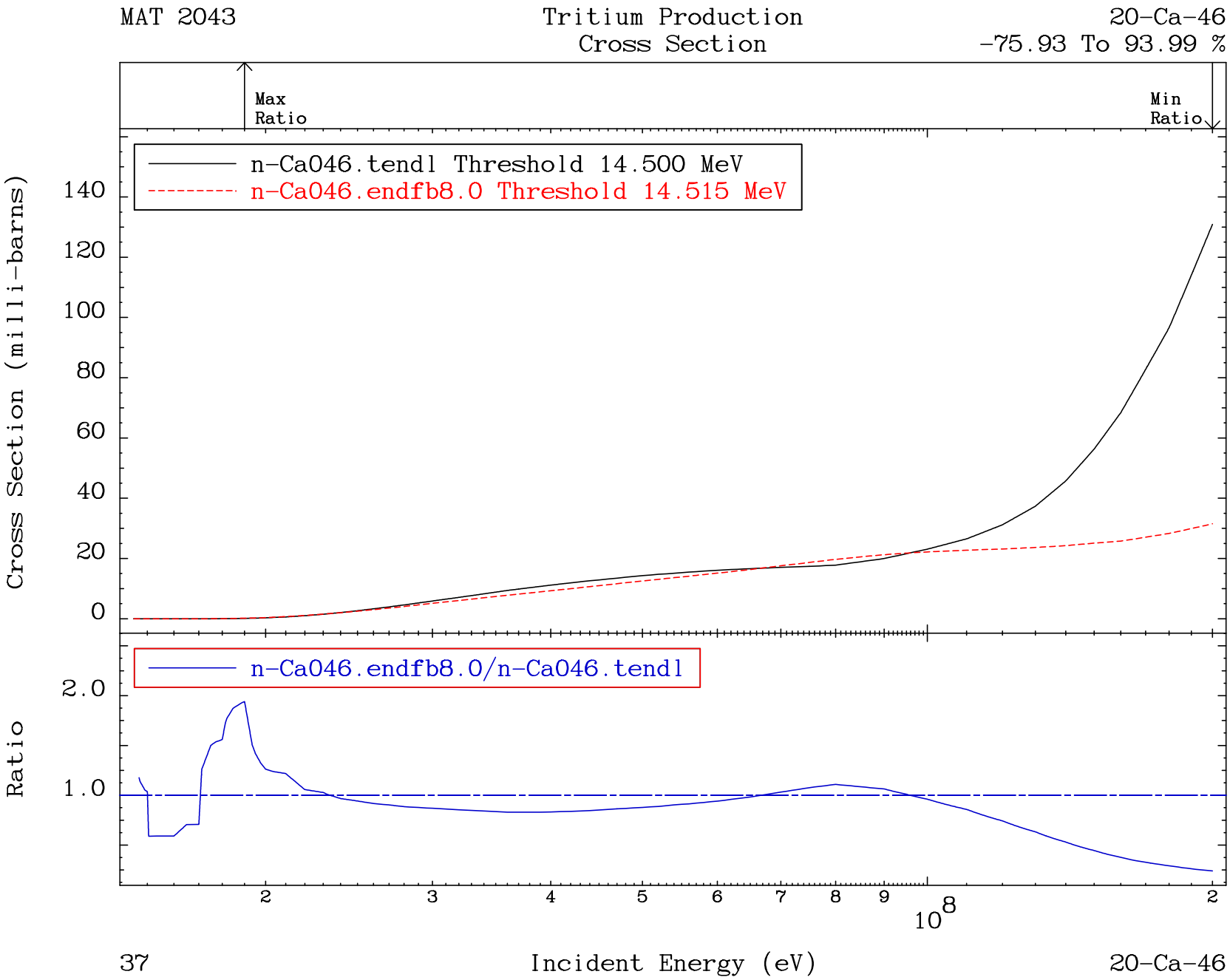

MAT 2043
(n,d)
Cross Section
20-Ca-46
-100.0 To 408.6 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 11.843 MeV
n-Ca046.endfb8.0 Threshold 12.000 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
6
4
2
0
2
3
4
5
6
7
8
9
10^8
2
32
Incident Energy (eV)
20-Ca-46

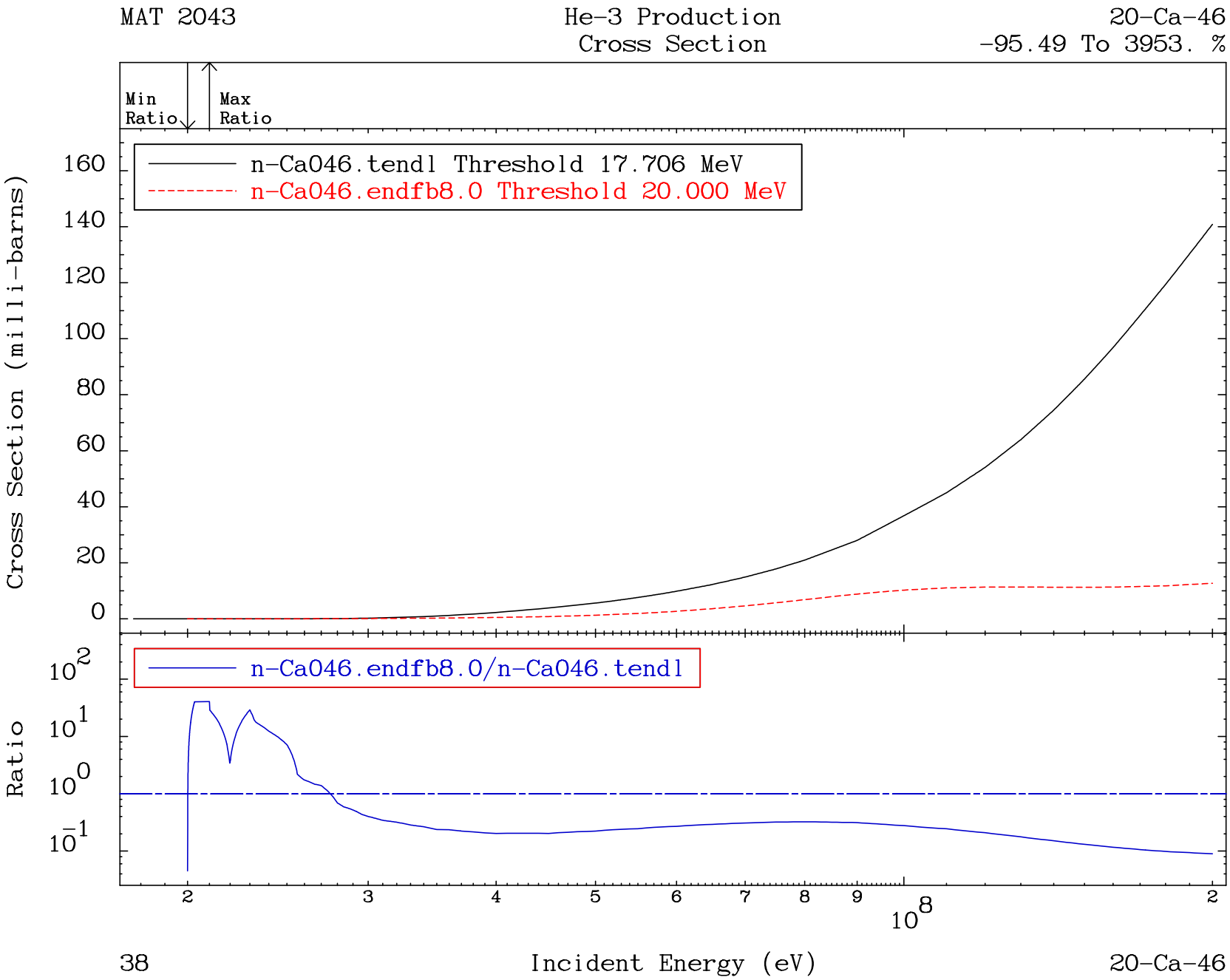

MAT 2043
(n,t)
Cross Section
20-Ca-46
-100.0 To 93.99 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 14.549 MeV
n-Ca046.endfb8.0 Threshold 14.515 MeV
Cross Section (milli-barns)
0
1
2
3
4
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
0.0
1.0
2.0
2
3
4
5
6
7
8
9
2
10^8
33
Incident Energy (eV)
20-Ca-46

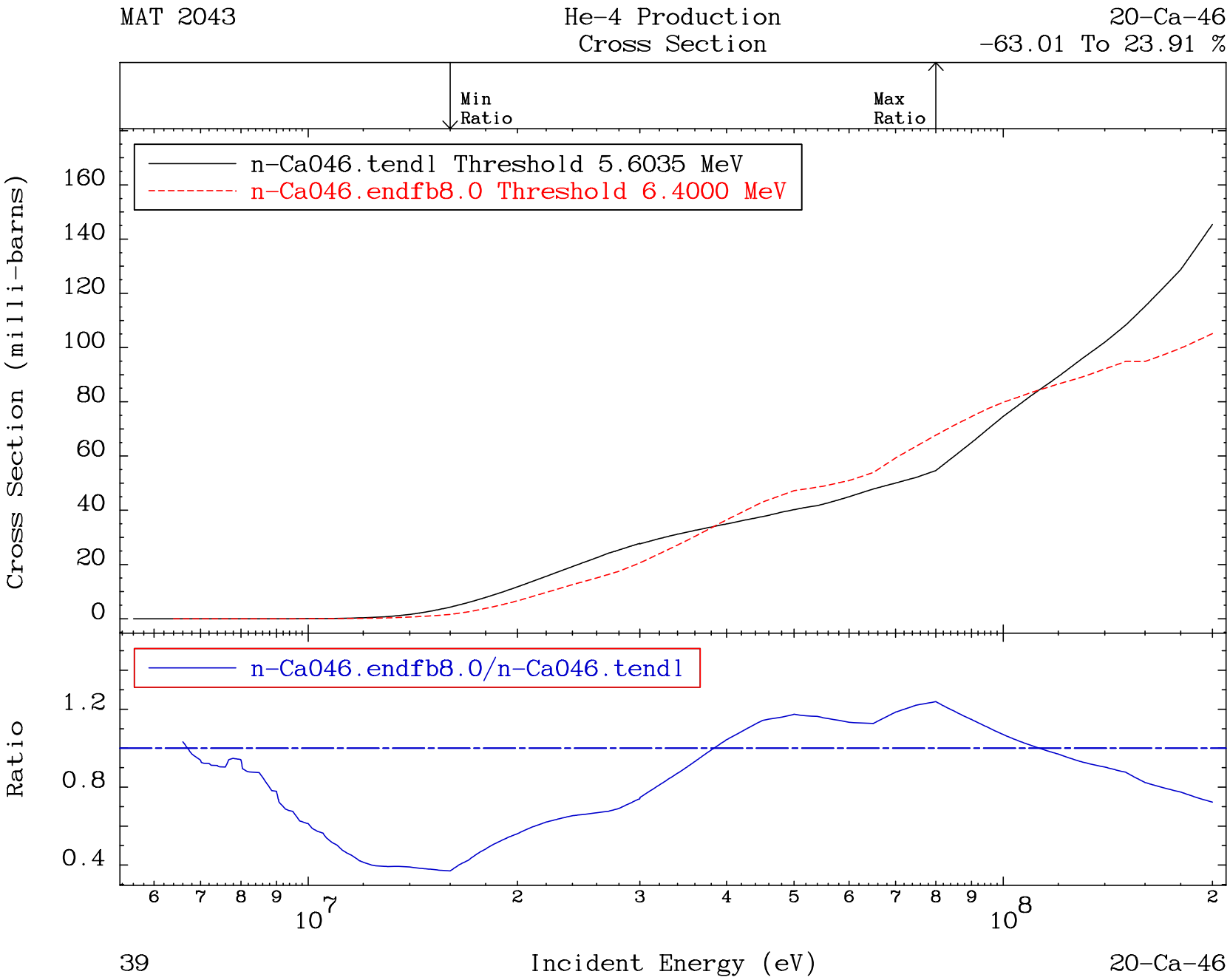

MAT 2043
(n,α)
Cross Section
20-Ca-46
-100.0 To 3.289 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 5.6035 MeV
n-Ca046.endfb8.0 Threshold 6.4000 MeV
Cross Section (milli-barns)
0
2
4
6
8
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
0.0
0.4
0.8
1.2
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
34
Incident Energy (eV)
20-Ca-46

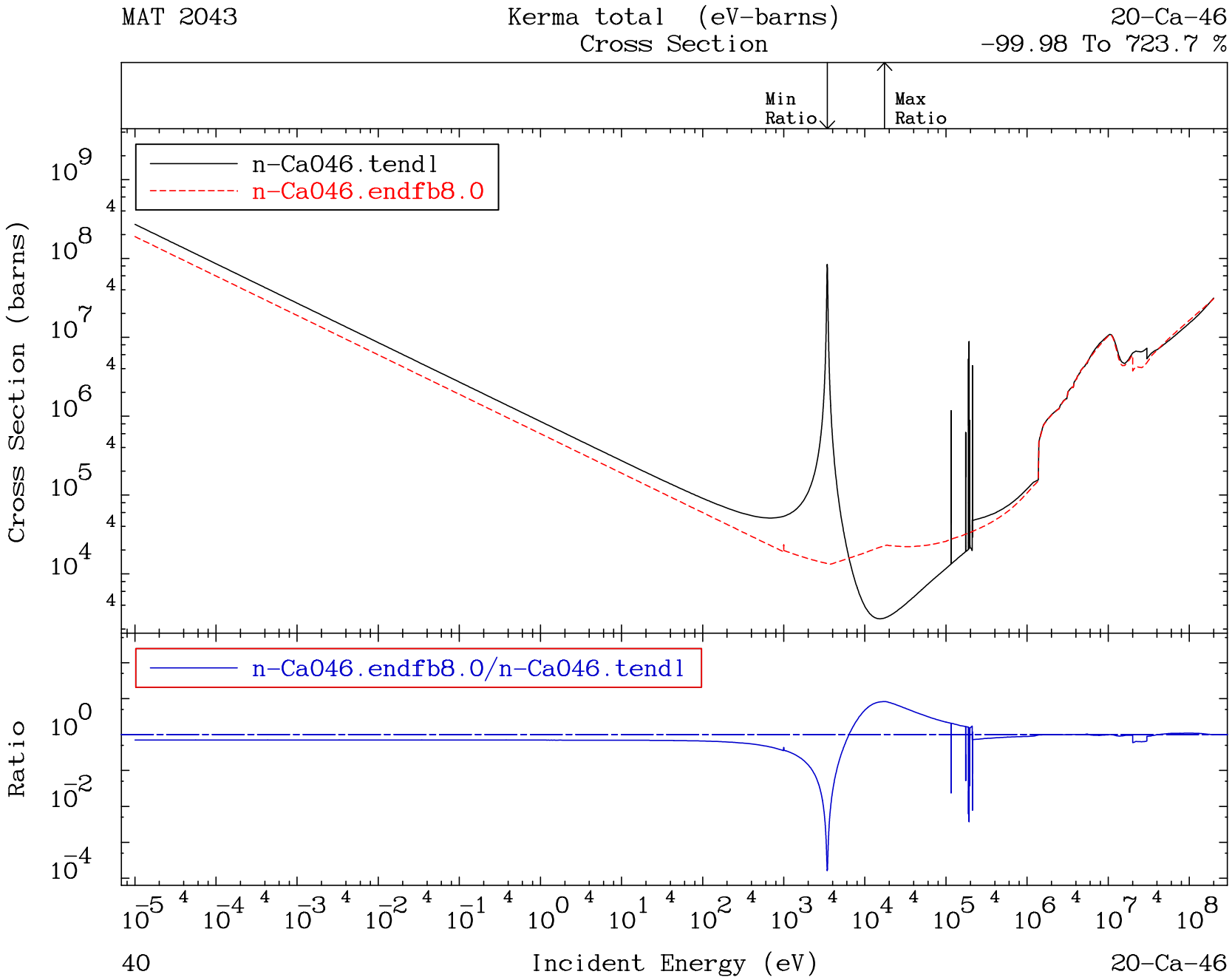

MAT 2043
Hydrogen Production
Cross Section
20-Ca-46
-99.38 To 67.26 %
Min Ratio
Max Ratio
n-Ca046.tendl Threshold 7.0769 MeV
n-Ca046.endfb8.0 Threshold 7.2000 MeV
Cross Section (milli-barns)
700
600
500
400
300
200
100
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
10^0
10^-1
10^-2
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
35
Incident Energy (eV)
20-Ca-46

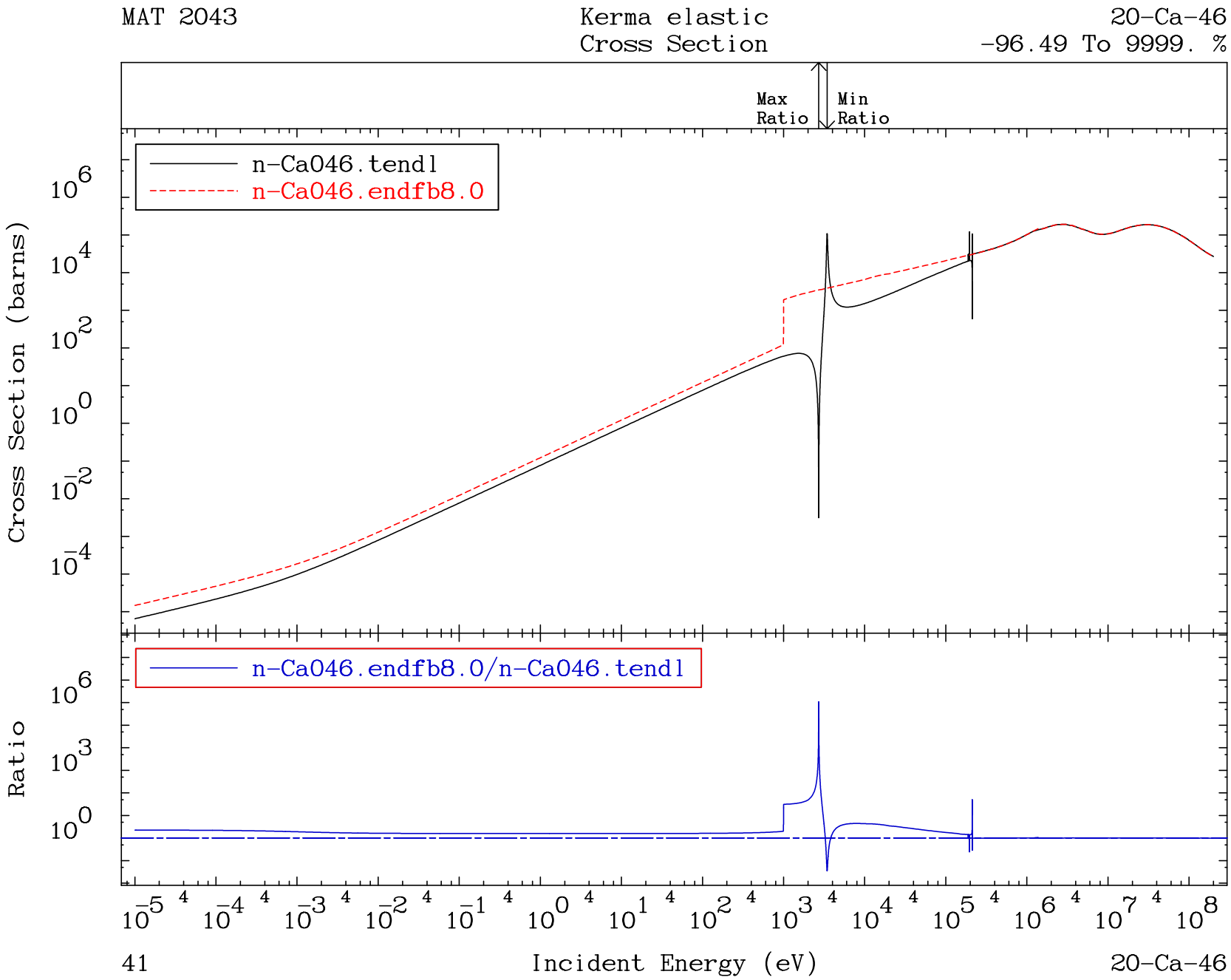

MAT 2043
Deuterium Production
Cross Section
20-Ca-46
-100.0 To 408.6 %
Min Ratio
Max Ratio
n-Ca046.tendl Threshold 11.843 MeV
n-Ca046.endfb8.0 Threshold 11.846 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
10^0
10^-5
10^-10
10^-15
2
3
4
5
6
7
8
9
10^8
2
36
Incident Energy (eV)
20-Ca-46

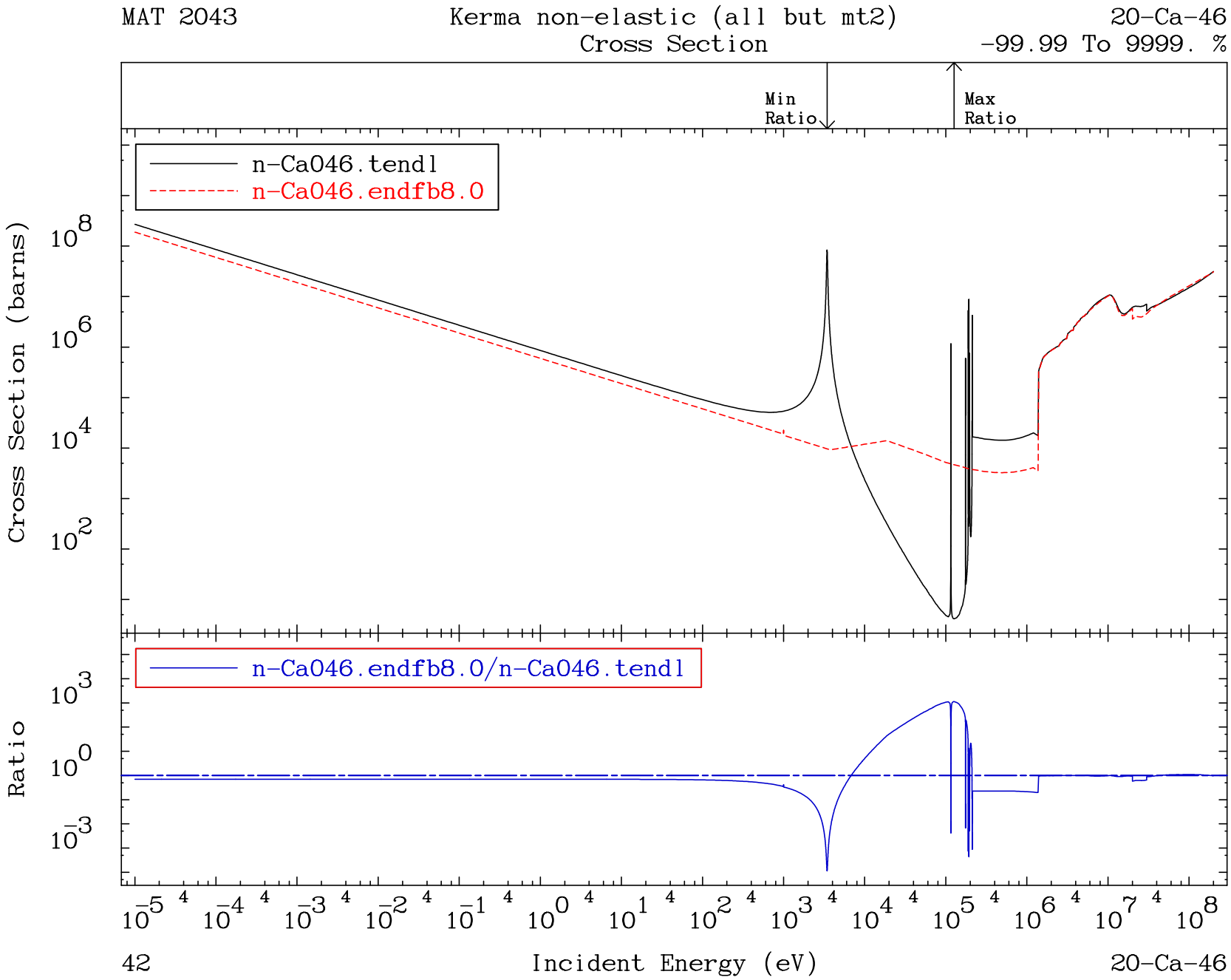

MAT 2043
Tritium Production
Cross Section
20-Ca-46
-75.93 To 93.99 %
Max
Ratio
Min
Ratio
n-Ca046.tendl Threshold 14.500 MeV
n-Ca046.endfb8.0 Threshold 14.515 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
2.0
1.0
2
3
4
5
6
7
8
9
10^8
2
37
Incident Energy (eV)
20-Ca-46

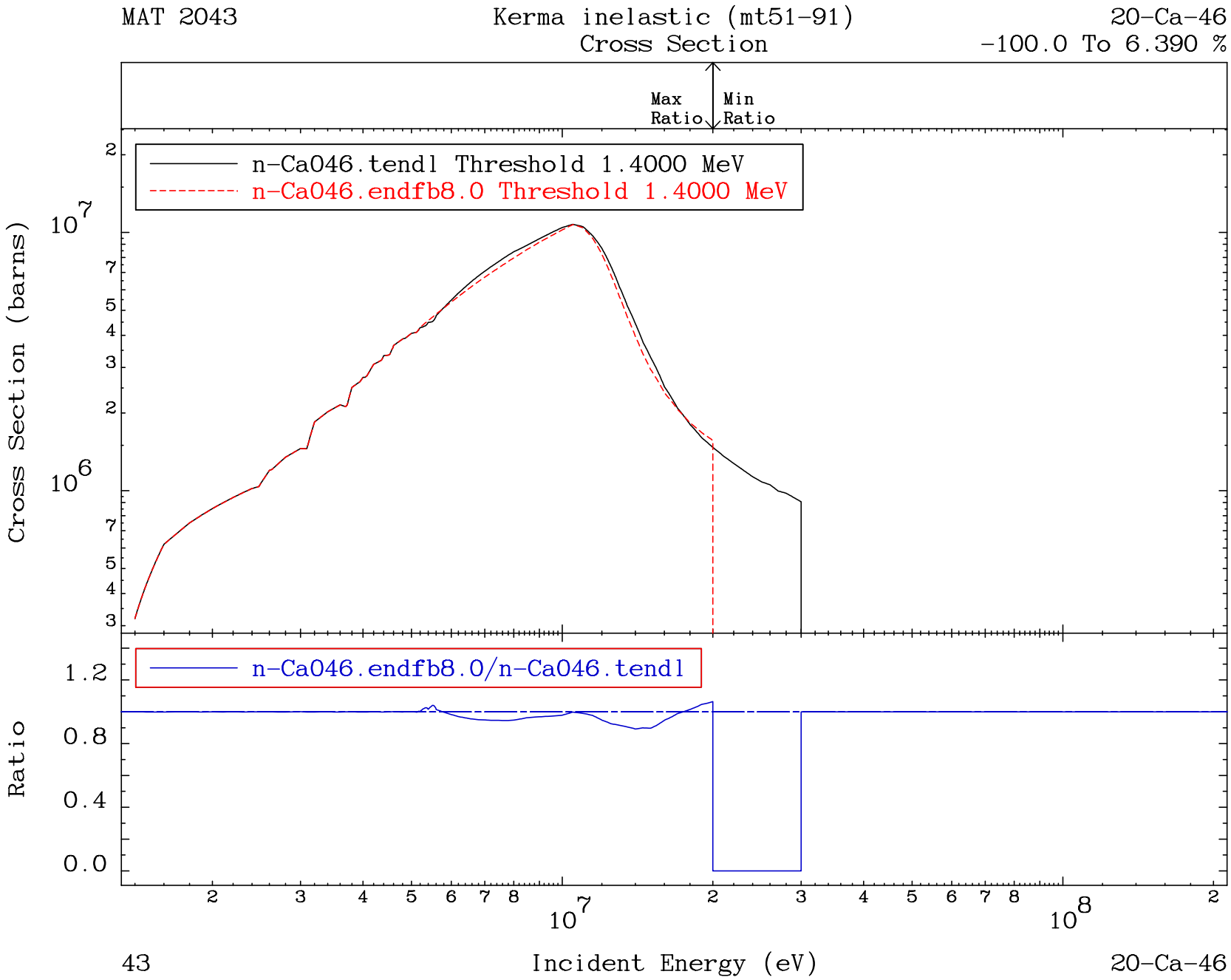

MAT 2043
He-3 Production
Cross Section
20-Ca-46
-95.49 To 3953. %
Min Ratio
Max Ratio
n-Ca046.tendl Threshold 17.706 MeV
n-Ca046.endfb8.0 Threshold 20.000 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
10^2
10^1
10^0
10^-1
2
3
4
5
6
7
8
9
10^8
2
38
Incident Energy (eV)
20-Ca-46

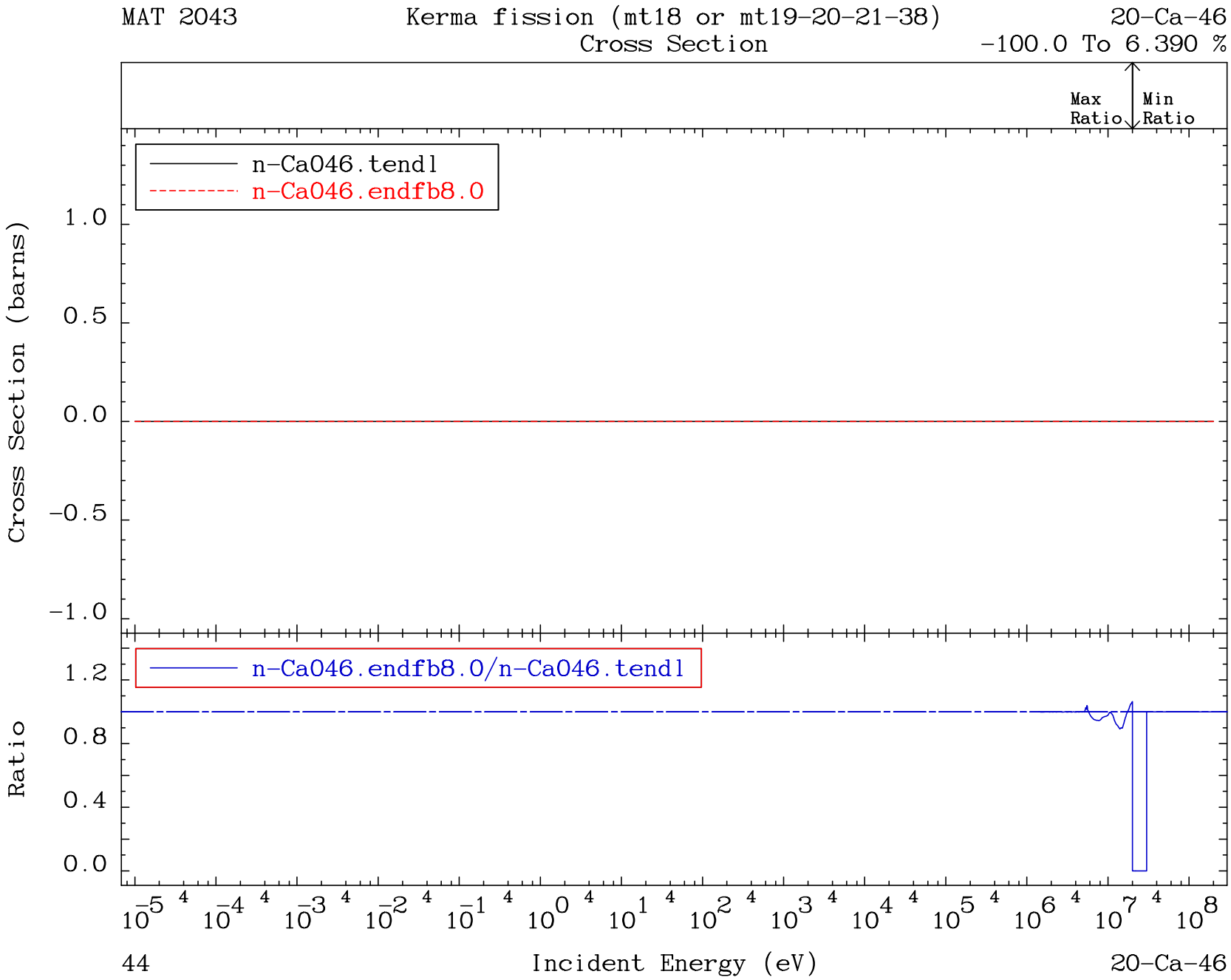

MAT 2043
He-4 Production
Cross Section
20-Ca-46
-63.01 To 23.91 %
Min
Ratio
Max
Ratio
n-Ca046.tendl Threshold 5.6035 MeV
n-Ca046.endfb8.0 Threshold 6.4000 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
1.2
0.8
0.4
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
39
Incident Energy (eV)
20-Ca-46

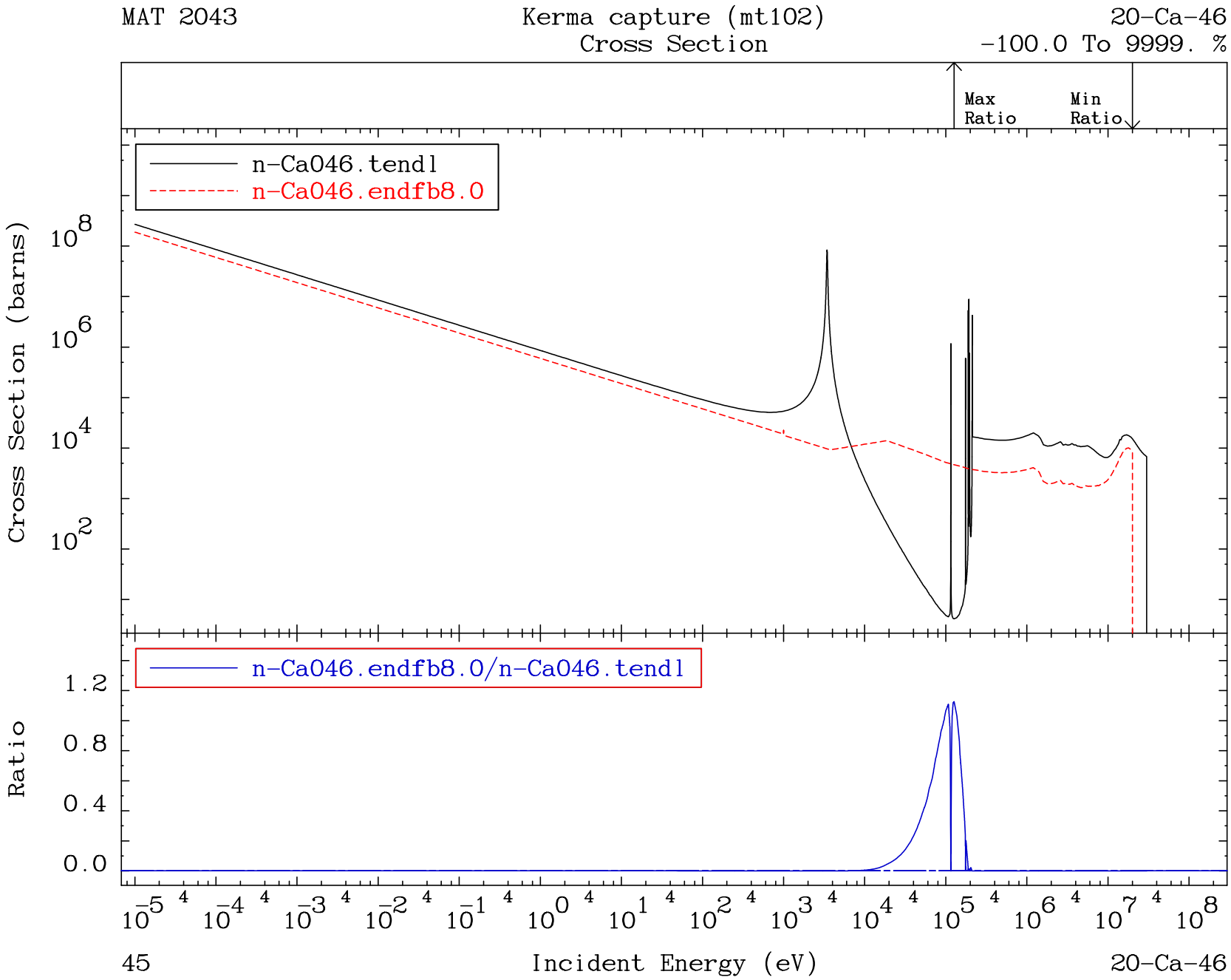

MAT 2043
Kerma total (eV-barns)
Cross Section
20-Ca-46
-99.98 To 723.7 %
Min Ratio
Max Ratio
n-Ca046.tendl
n-Ca046.endfb8.0
Cross Section (barns)
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
Incident Energy (eV)
40
20-Ca-46

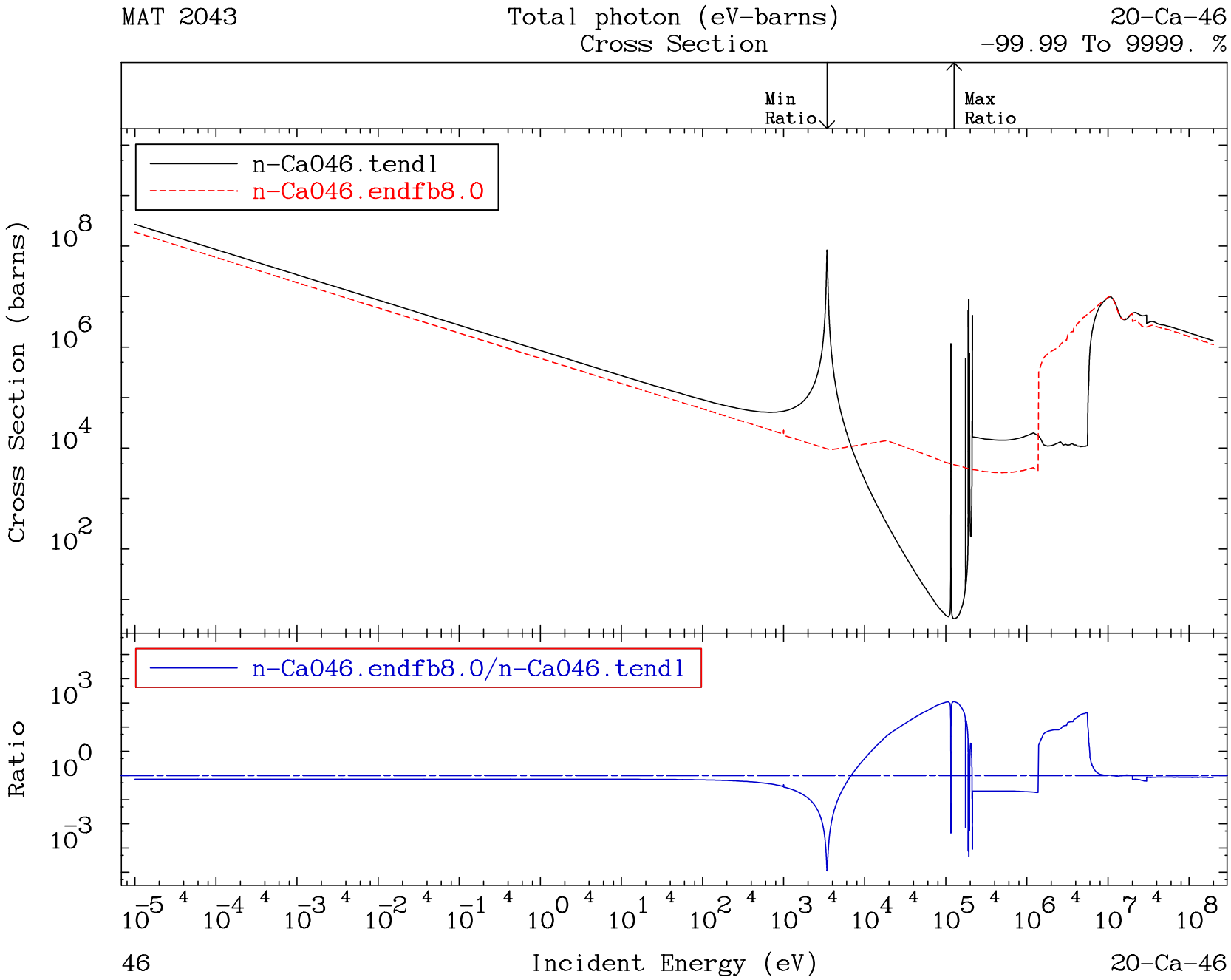

MAT 2043
Kerma elastic
Cross Section
20-Ca-46
-96.49 To 9999. %
Max Ratio
Min Ratio
n-Ca046.tendl
n-Ca046.endfb8.0
Cross Section (barns)
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
Incident Energy (eV)
41
20-Ca-46

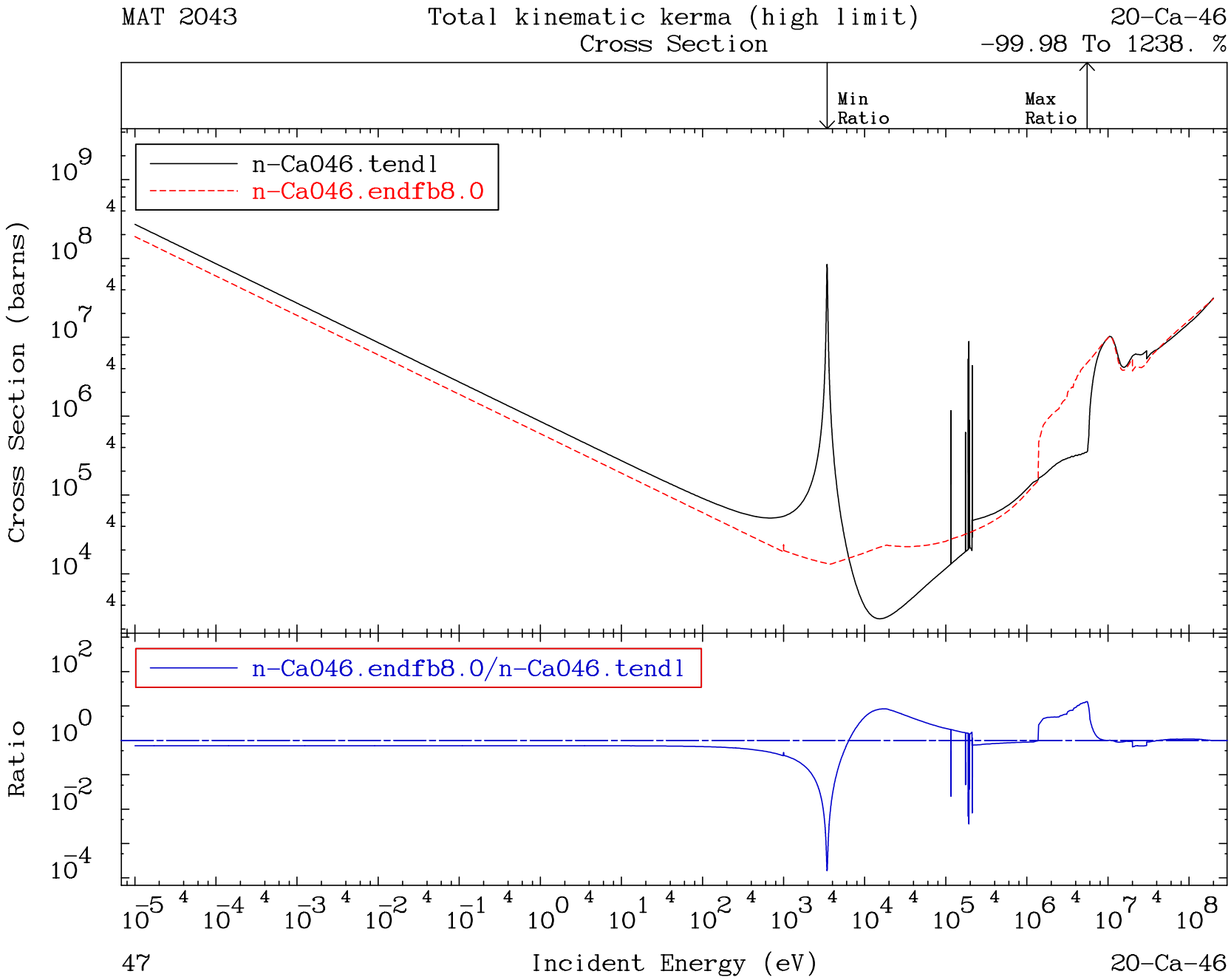

MAT 2043
Kerma non-elastic (all but mt2)
Cross Section
20-Ca-46
-99.99 To 9999. %
Min Ratio
Max Ratio
n-Ca046.tendl
n-Ca046.endfb8.0
Cross Section (barns)
Ratio
n-Ca046.endfb8.0/n-Ca046.tendl
Incident Energy (eV)
42
20-Ca-46

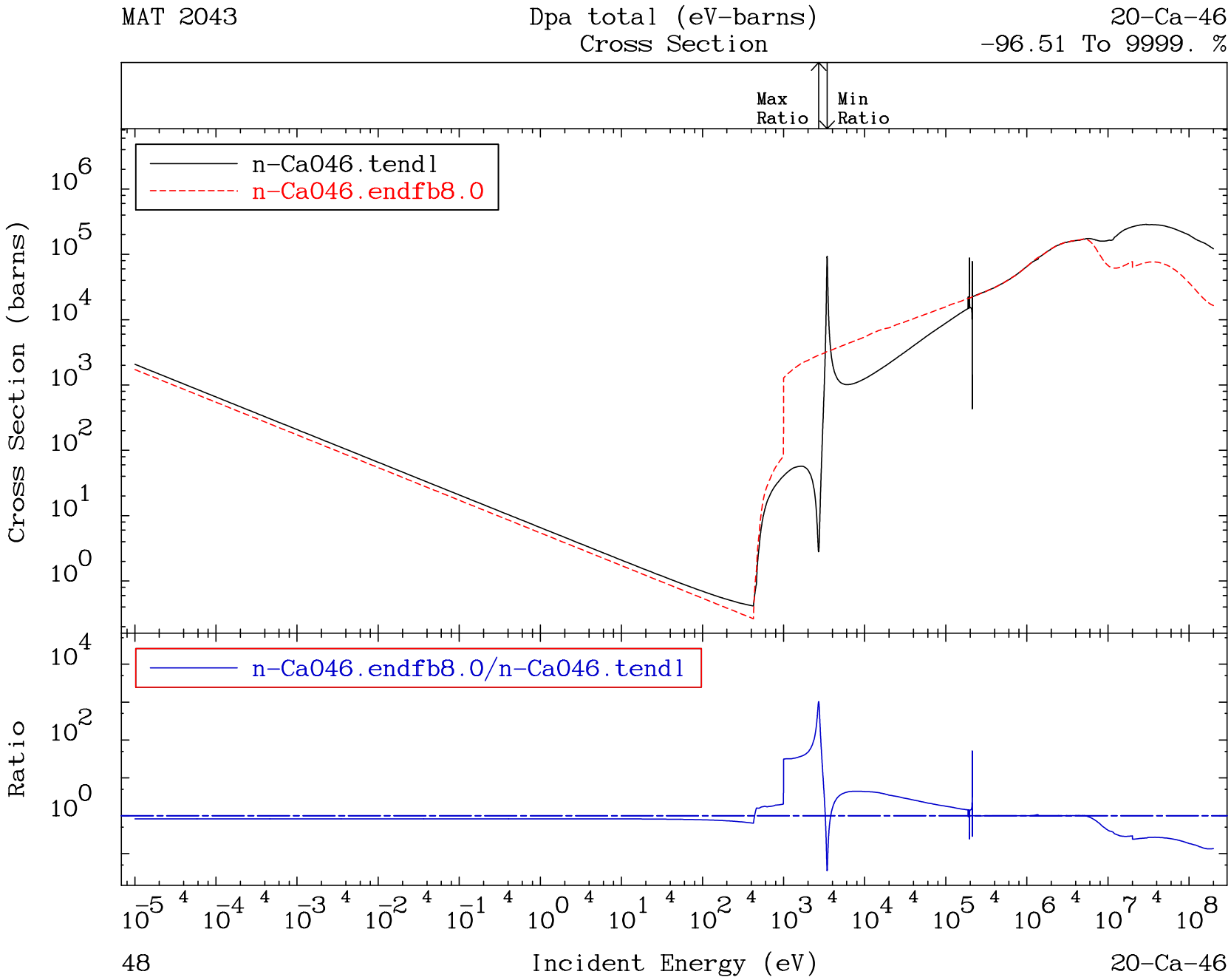

MAT 2043
Kerma inelastic (mt51-91)
Cross Section
20-Ca-46
-100.0 To 6.390 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 1.4000 MeV
n-Ca046.endfb8.0 Threshold 1.4000 MeV
Cross Section (barns)
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
Incident Energy (eV)
43
20-Ca-46

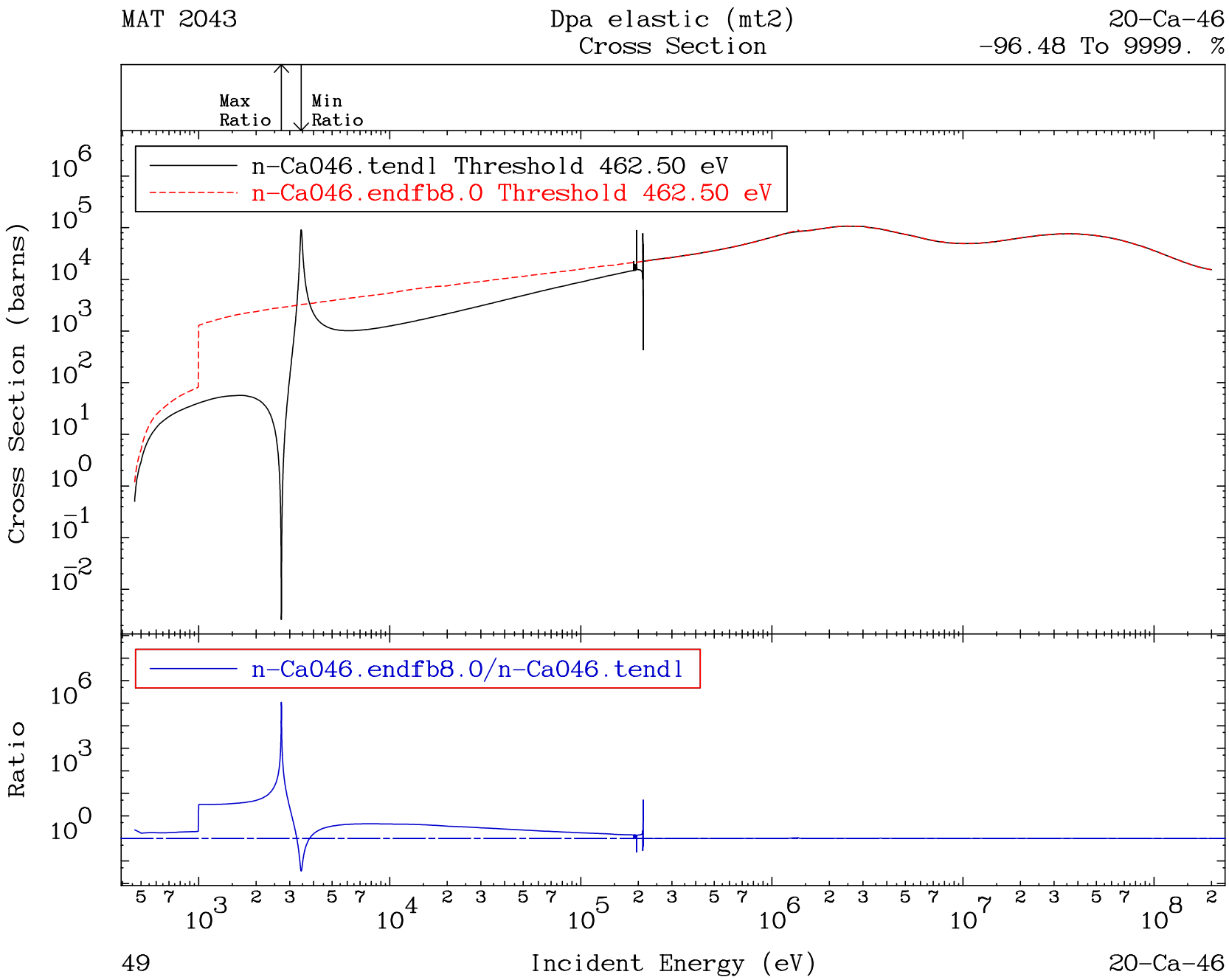

MAT 2043
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
20-Ca-46
-100.0 To 6.390 %
Max Ratio
Min Ratio
n-Ca046.tendl
n-Ca046.endfb8.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
1.2
0.8
0.4
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
44
Incident Energy (eV)
20-Ca-46

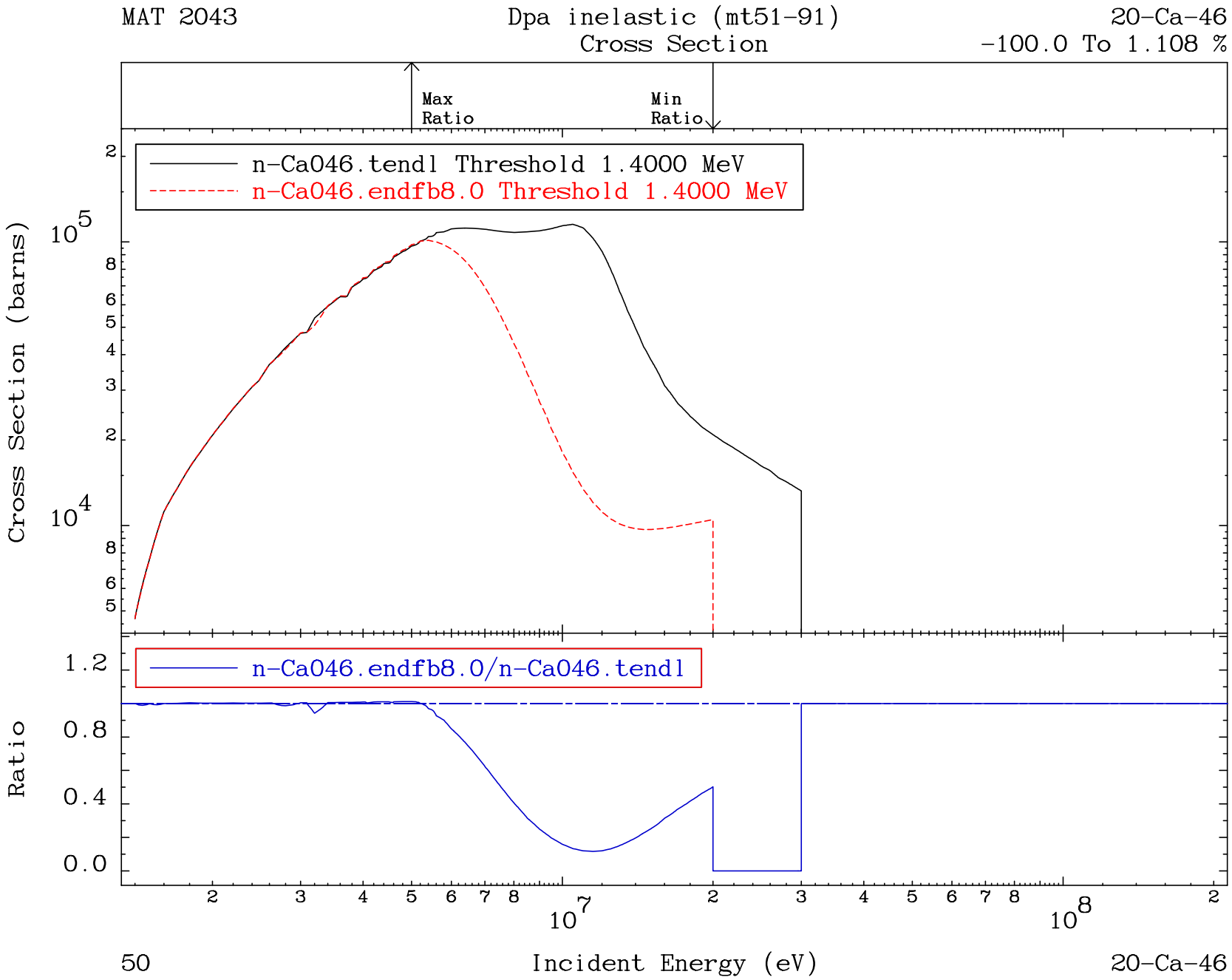

MAT 2043
Kerma capture (mt102)
Cross Section
20-Ca-46
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Ca046.tendl
n-Ca046.endfb8.0
Cross Section (barns)
10^8
10^6
10^4
10^2
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
1.2
0.8
0.4
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
45
Incident Energy (eV)
20-Ca-46

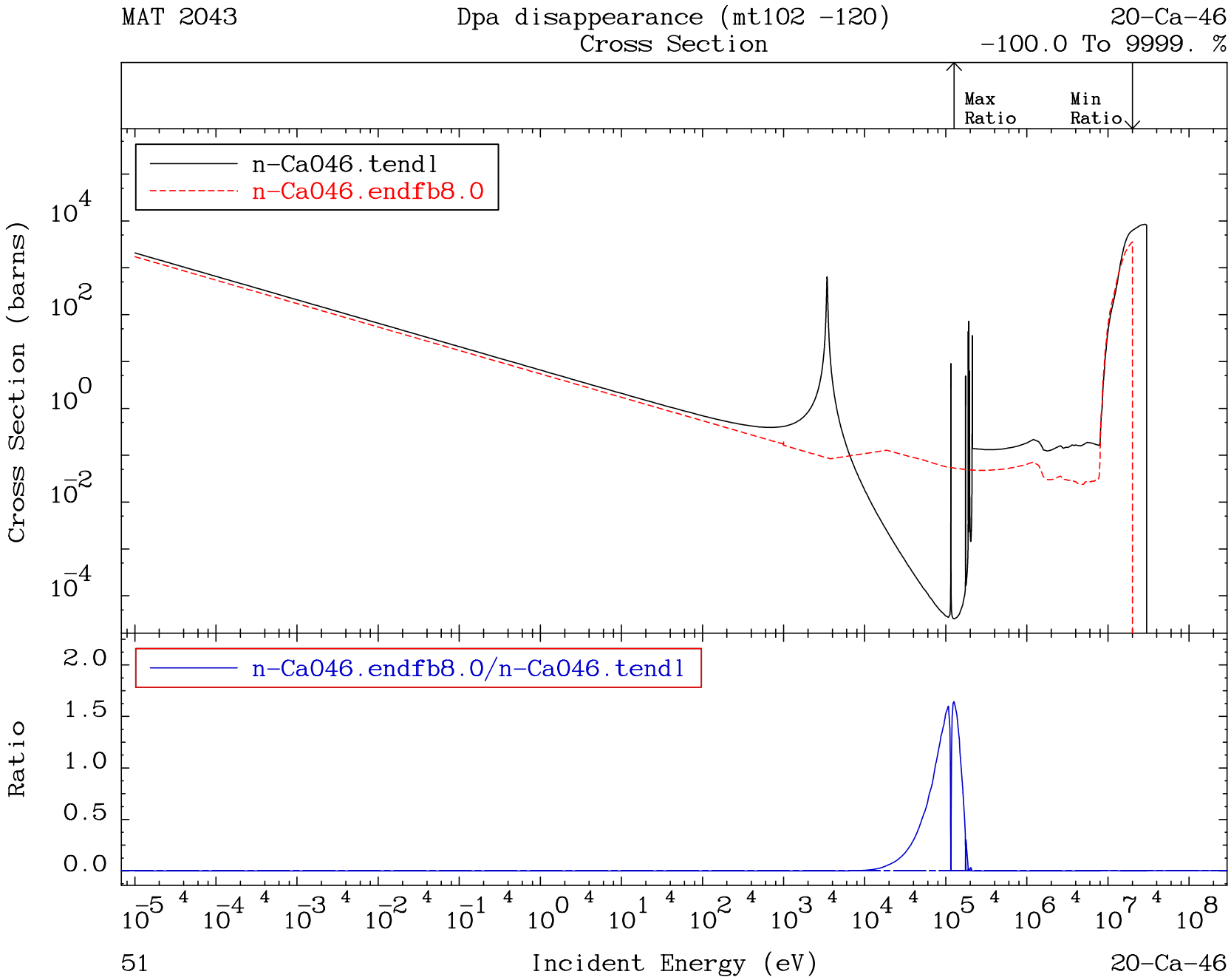

MAT 2043
Total photon (eV-barns)
Cross Section
20-Ca-46
-99.99 To 9999. %
Min
Ratio
Max
Ratio
n-Ca046.tendl
n-Ca046.endfb8.0
Cross Section (barns)
10^8
10^6
10^4
10^2
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
10^3
10^0
10^-3
10^-5
10^-4
10^-3
10^-2
10^-1
10^0
10^1
10^2
10^3
10^4
10^5
10^6
10^7
10^8
46
Incident Energy (eV)
20-Ca-46


MAT 2043
Total kinematic kerma (high limit)
Cross Section
20-Ca-46
-99.98 To 1238. %
Min Ratio
Max Ratio
n-Ca046.tendl
n-Ca046.endfb8.0
Cross Section (barns)
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
Incident Energy (eV)
47
20-Ca-46


MAT 2043
Dpa total (eV-barns)
Cross Section
20-Ca-46
-96.51 To 9999. %
Max Ratio
Min Ratio
n-Ca046.tendl
n-Ca046.endfb8.0
Cross Section (barns)
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
Incident Energy (eV)
48
20-Ca-46


MAT 2043
Dpa elastic (mt2)
Cross Section
20-Ca-46
-96.48 To 9999. %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 462.50 eV
n-Ca046.endfb8.0 Threshold 462.50 eV
Cross Section (barns)
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
Incident Energy (eV)
49
20-Ca-46


MAT 2043
Dpa inelastic (mt51-91)
Cross Section
20-Ca-46
-100.0 To 1.108 %
Max Ratio
Min Ratio
n-Ca046.tendl Threshold 1.4000 MeV
n-Ca046.endfb8.0 Threshold 1.4000 MeV
Cross Section (barns)
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
Incident Energy (eV)
50
20-Ca-46


MAT 2043
Dpa disappearance (mt102 -120)
Cross Section
20-Ca-46
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Ca046.tendl
n-Ca046.endfb8.0
Cross Section (barns)
n-Ca046.endfb8.0/n-Ca046.tendl
Ratio
Incident Energy (eV)
51
20-Ca-46