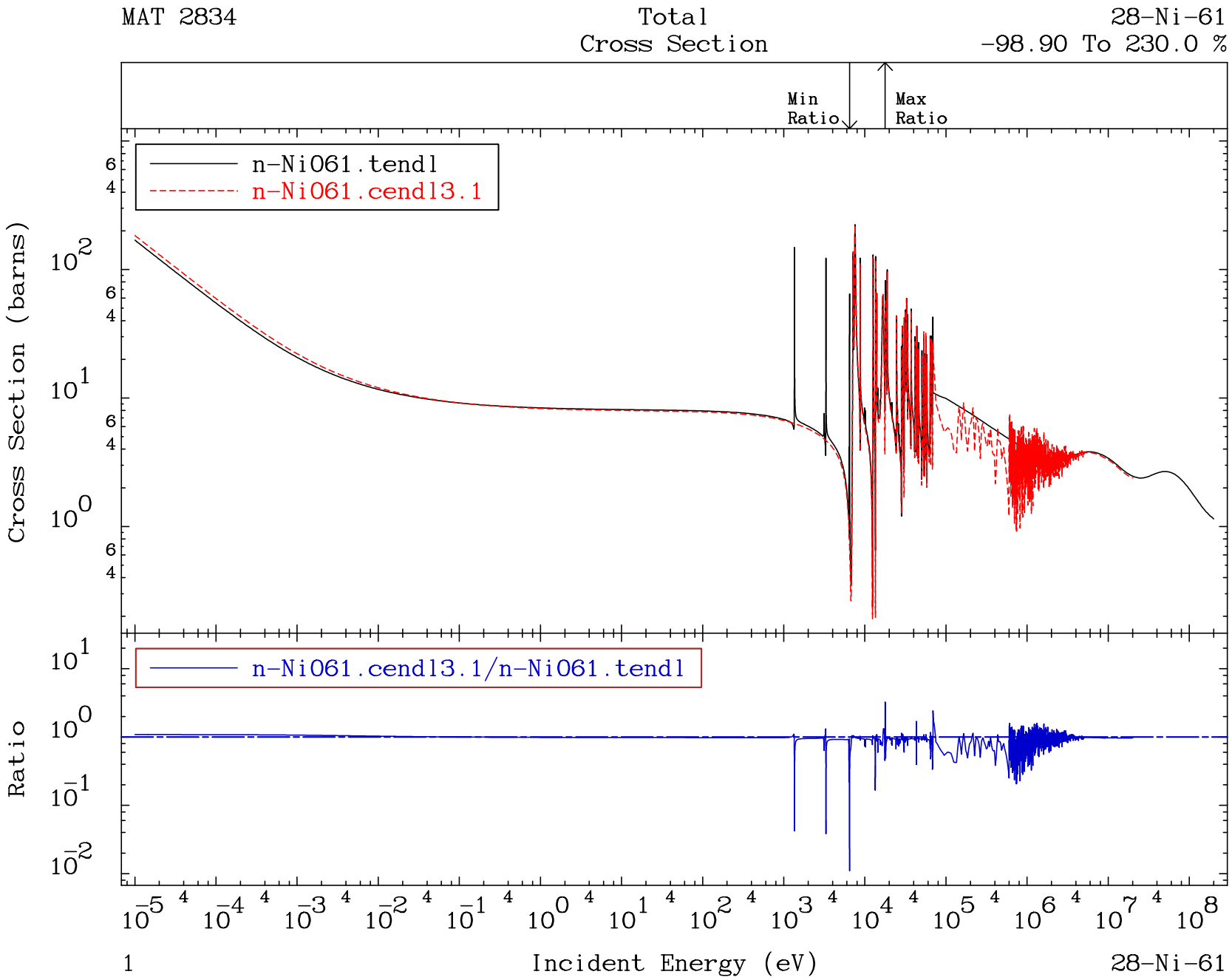
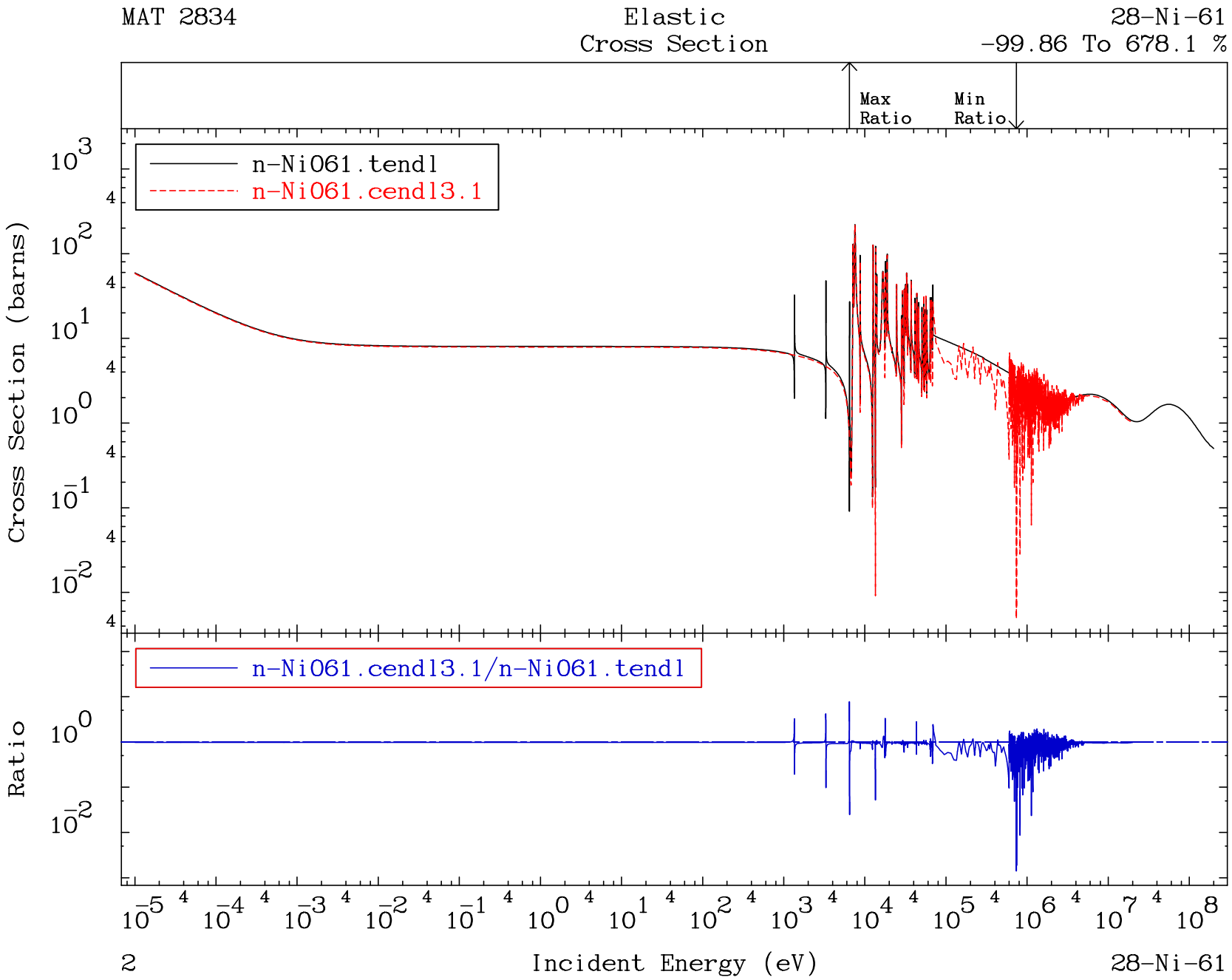
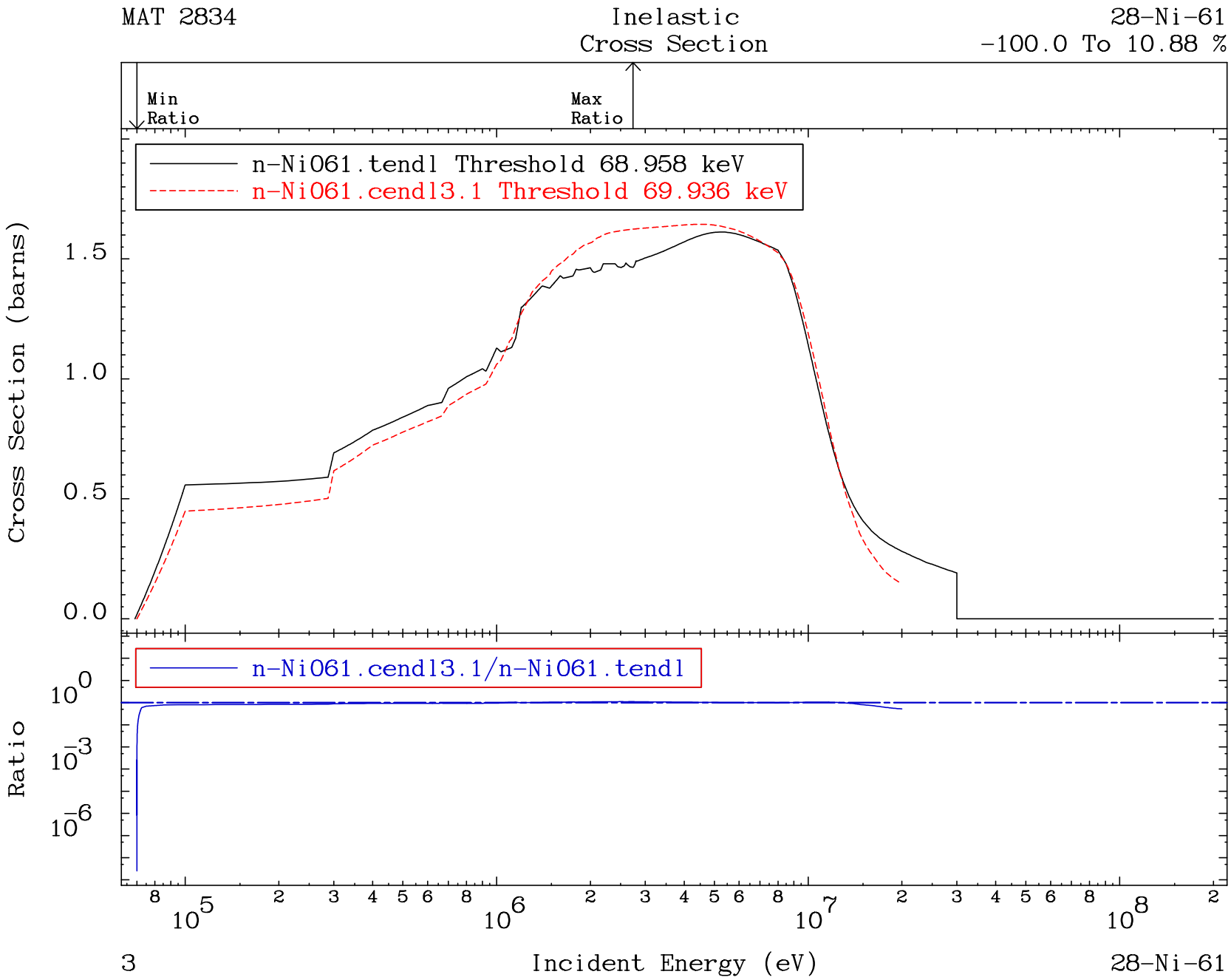
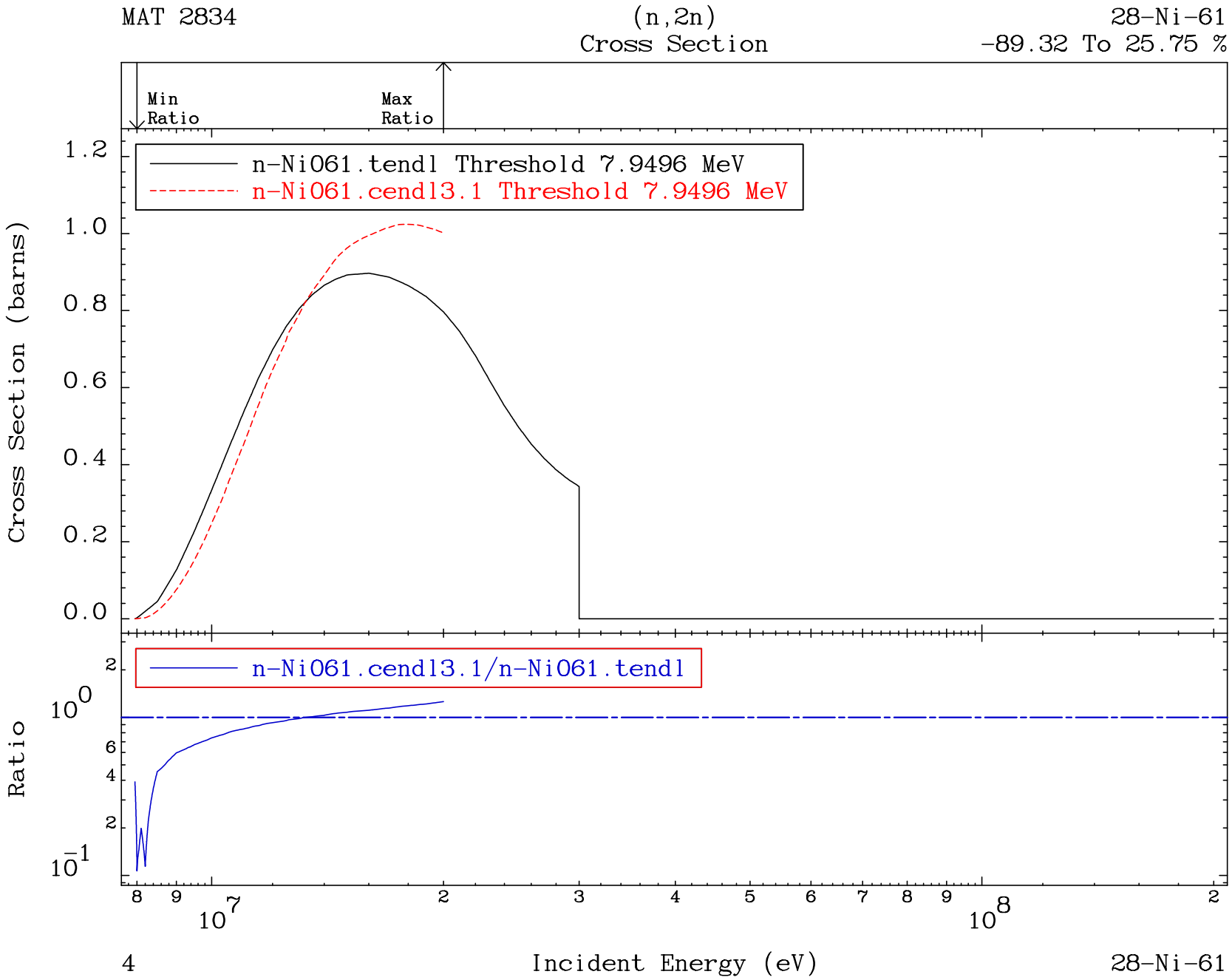
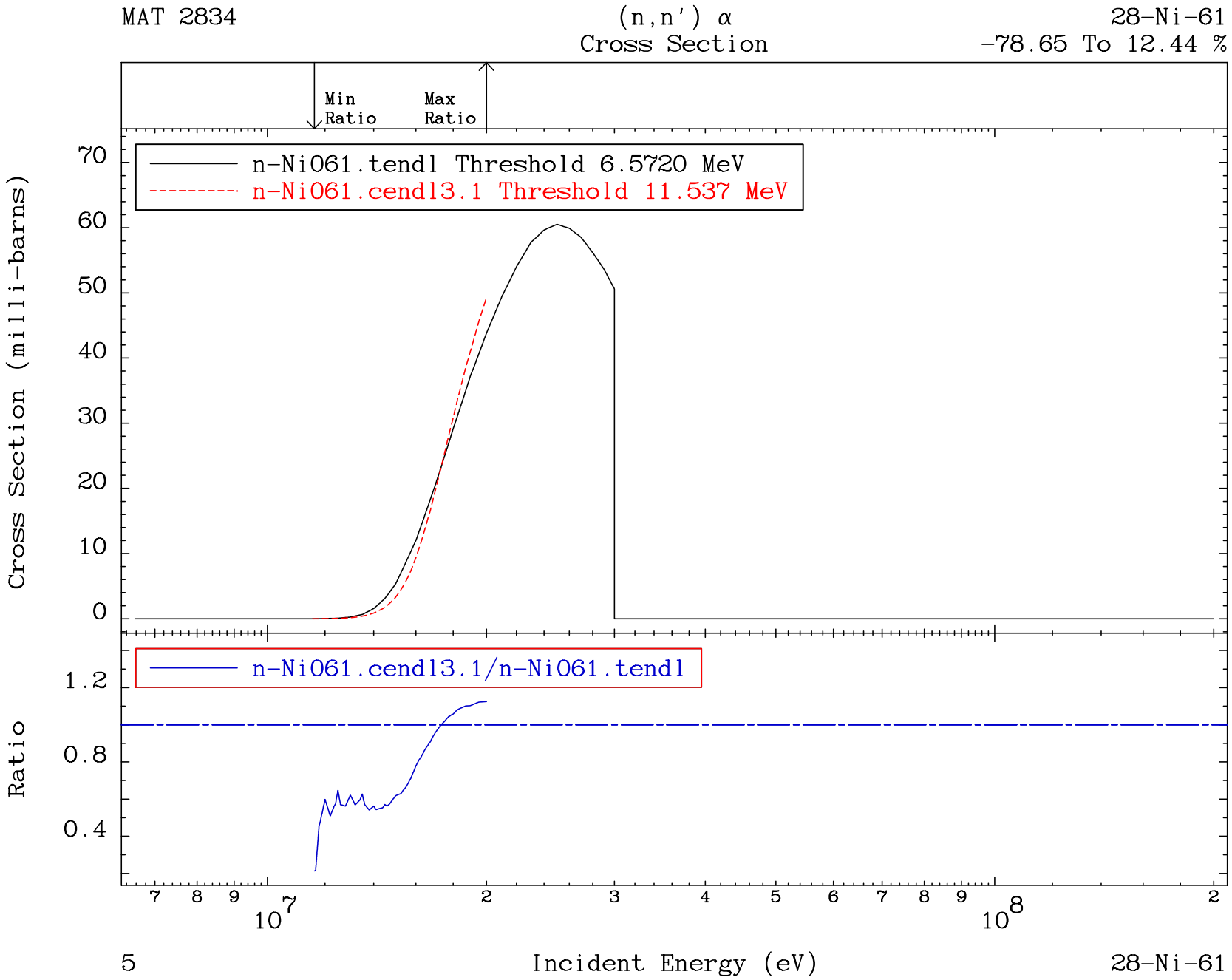
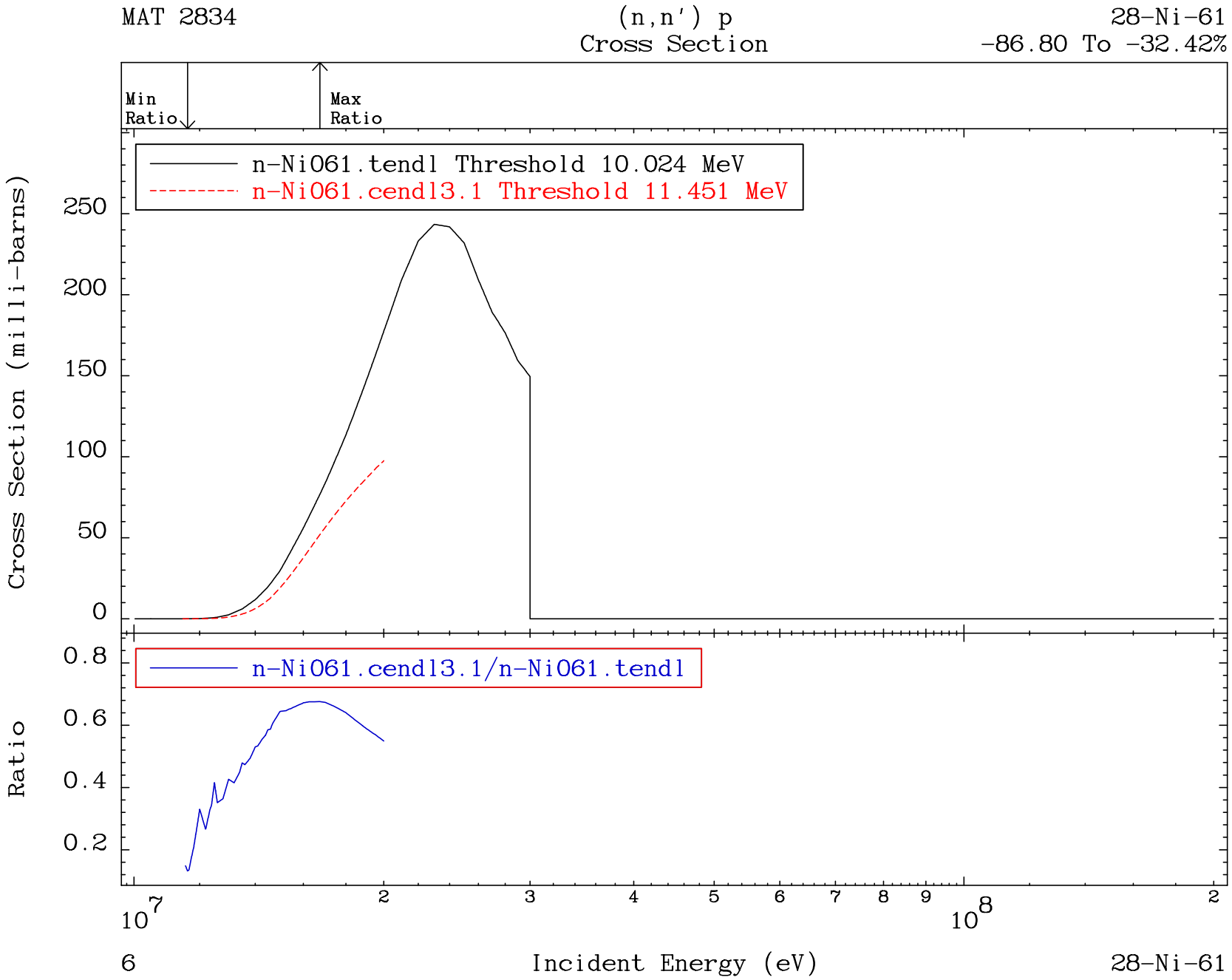

MAT 2834
Total
Cross Section
28-Ni-61
-98.90 To 230.0 %
Min
Ratio
Max
Ratio
n-Ni061.tendl
n-Ni061.cendl3.1
Cross Section (barns)
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
Incident Energy (eV)
1
28-Ni-61

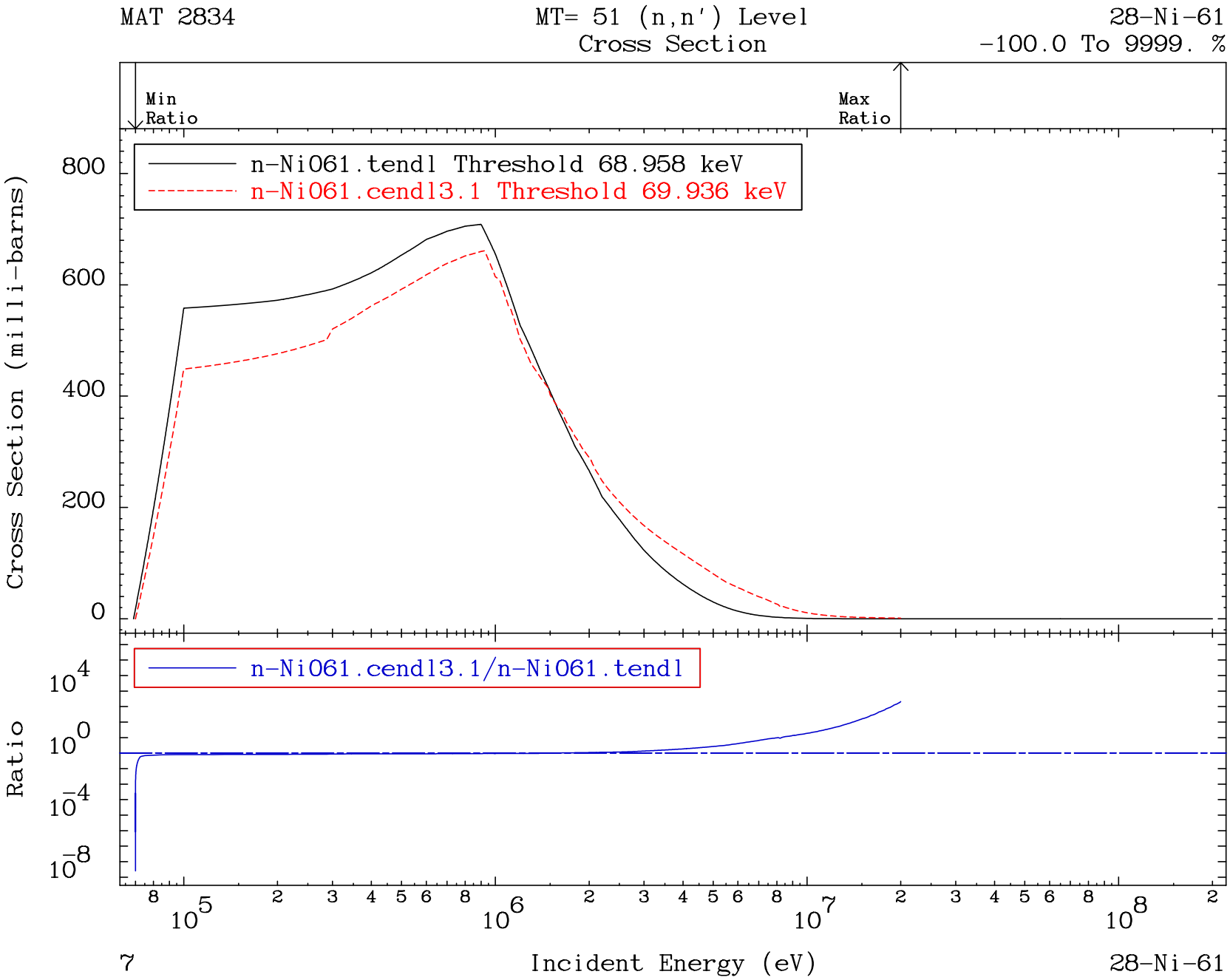

MAT 2834
Elastic
Cross Section
28-Ni-61
-99.86 To 678.1 %
Max Ratio
Min Ratio
n-Ni061.tendl
n-Ni061.cendl3.1
Cross Section (barns)
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
Incident Energy (eV)
2
28-Ni-61

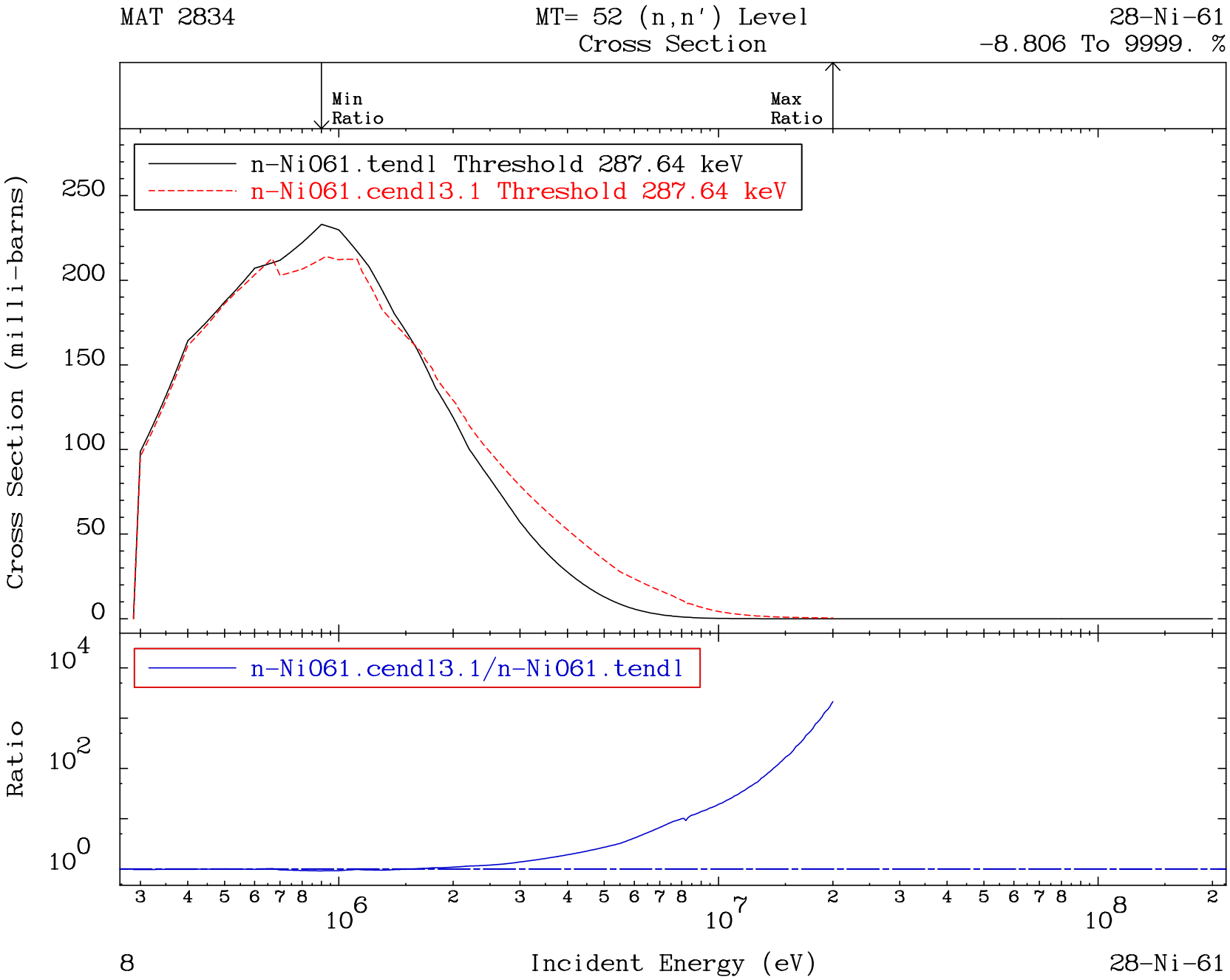

MAT 2834
Inelastic
Cross Section
28-Ni-61
-100.0 To 10.88 %
Min
Ratio
Max
Ratio
n-Ni061.tendl Threshold 68.958 keV
n-Ni061.cendl3.1 Threshold 69.936 keV
Cross Section (barns)
1.5
1.0
0.5
0.0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
10^0
10^-3
10^-6
8
10^5
2
3
4
5
6
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
3
Incident Energy (eV)
28-Ni-61

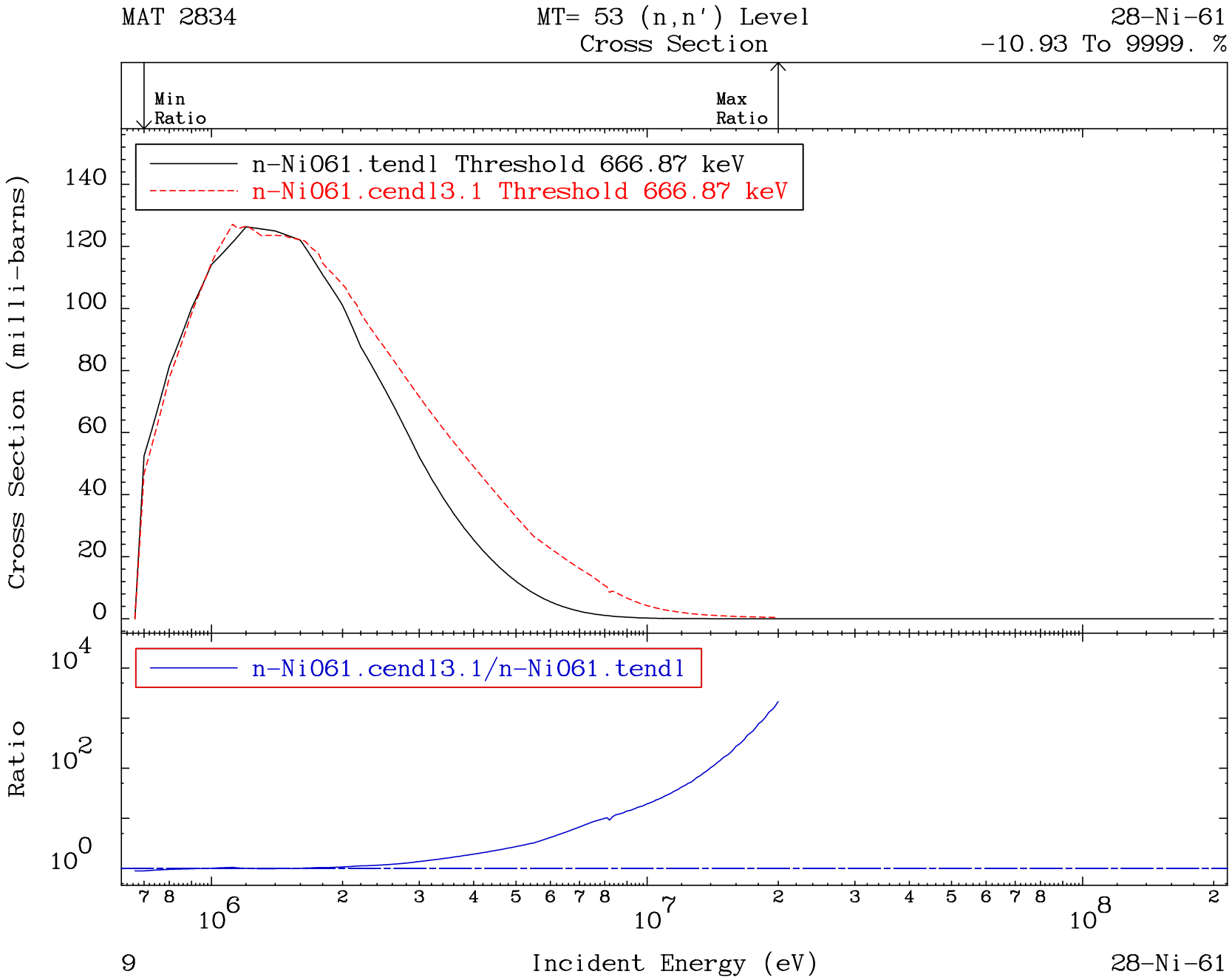

MAT 2834
(n,2n)
Cross Section
28-Ni-61
-89.32 To 25.75 %
Min Ratio
Max Ratio
n-Ni061.tendl Threshold 7.9496 MeV
n-Ni061.cendl3.1 Threshold 7.9496 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
$10^{0}$
$10^{-1}$
2
6
4
2
8 9 $10^{7}$ 2 3 4 5 6 7 8 9 $10^{8}$ 2
4
Incident Energy (eV)
28-Ni-61

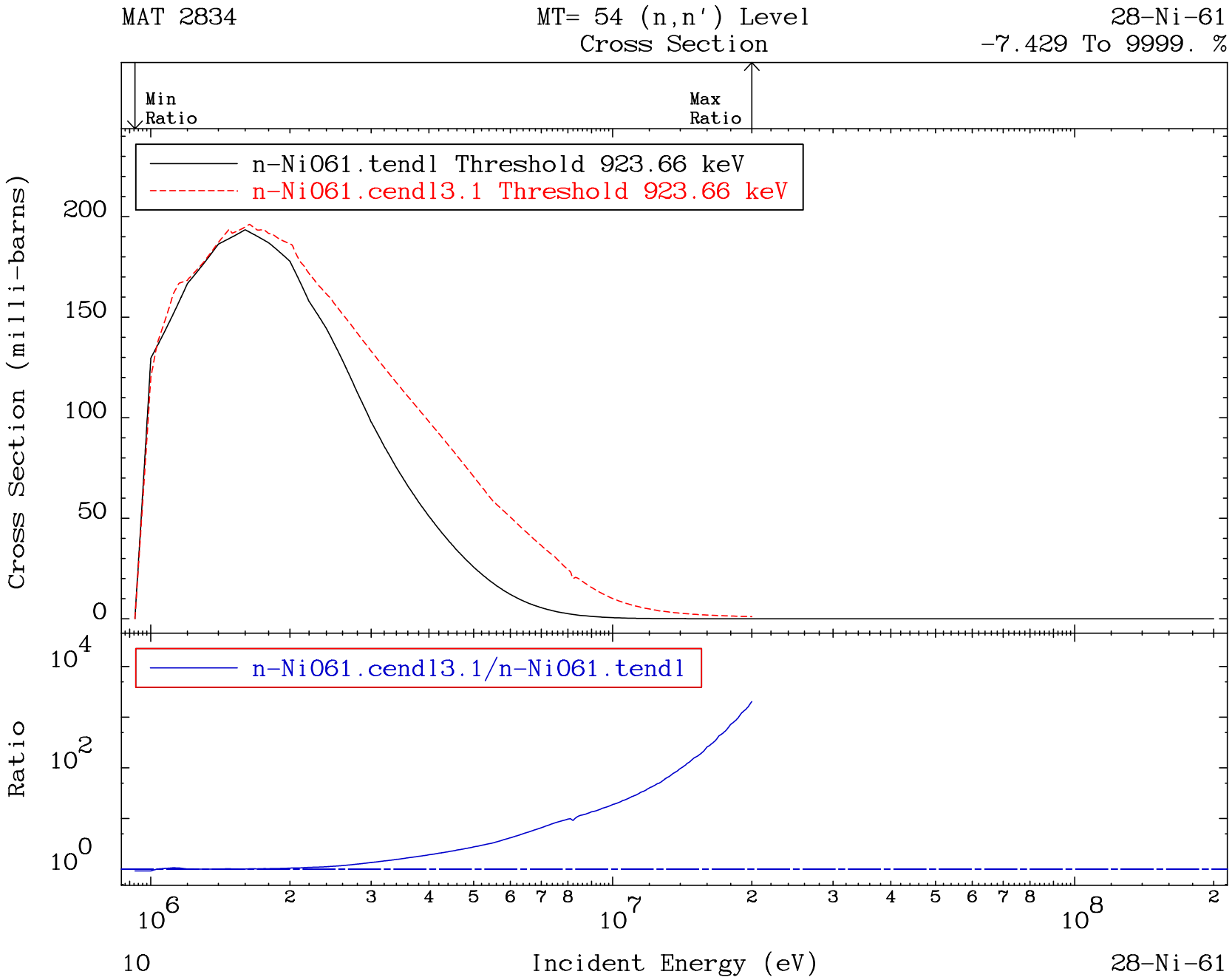

MAT 2834
(n,n') α
Cross Section
28-Ni-61
-78.65 To 12.44 %
Min Ratio
Max Ratio
n-Ni061.tendl Threshold 6.5720 MeV
n-Ni061.cendl3.1 Threshold 11.537 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
1.2
0.8
0.4
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
5
Incident Energy (eV)
28-Ni-61

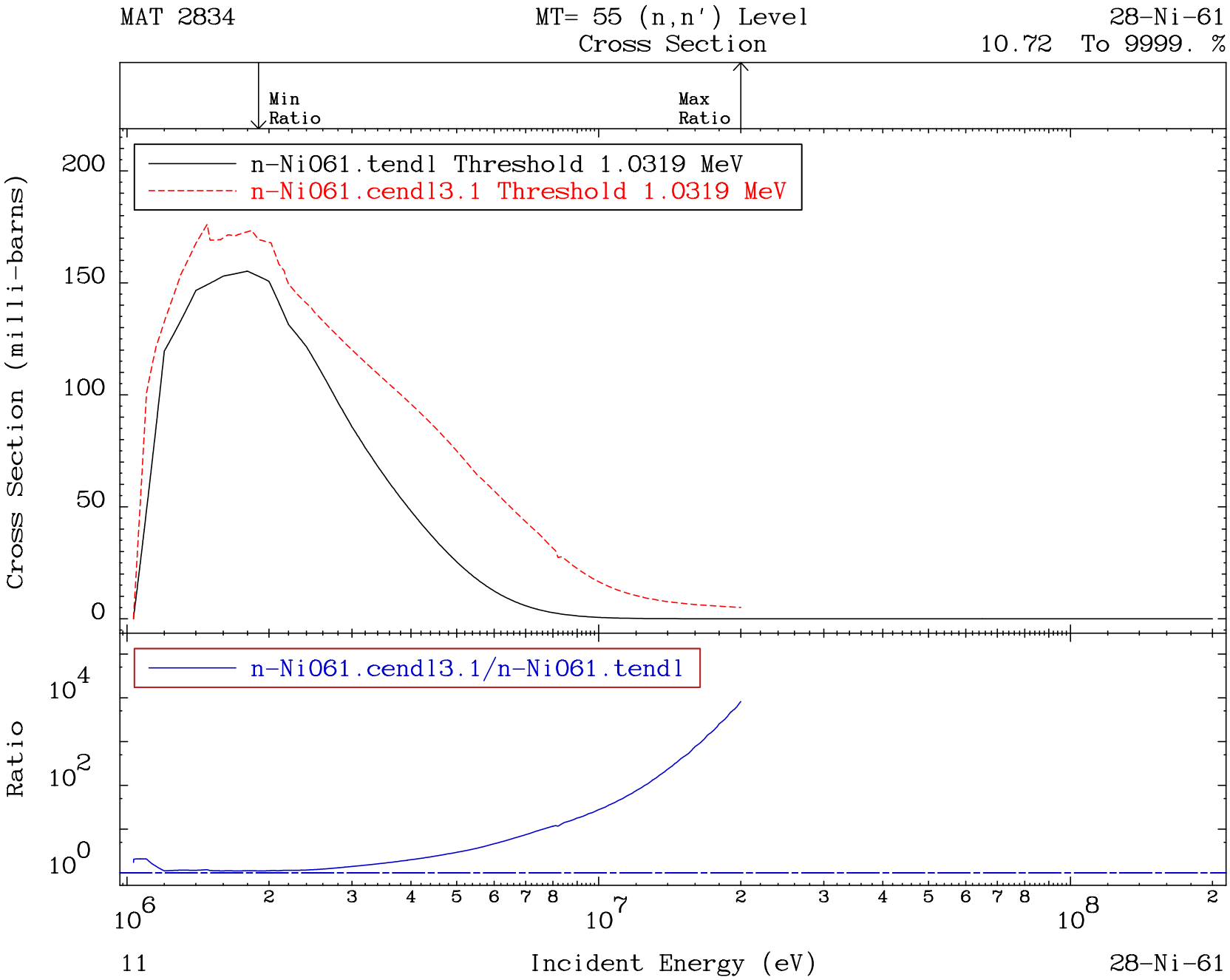

MAT 2834
(n,n') p
Cross Section
28-Ni-61
-86.80 To -32.42%
Min Ratio
Max Ratio
n-Ni061.tendl Threshold 10.024 MeV
n-Ni061.cendl3.1 Threshold 11.451 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
0.8
0.6
0.4
0.2
10^7
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
28-Ni-61

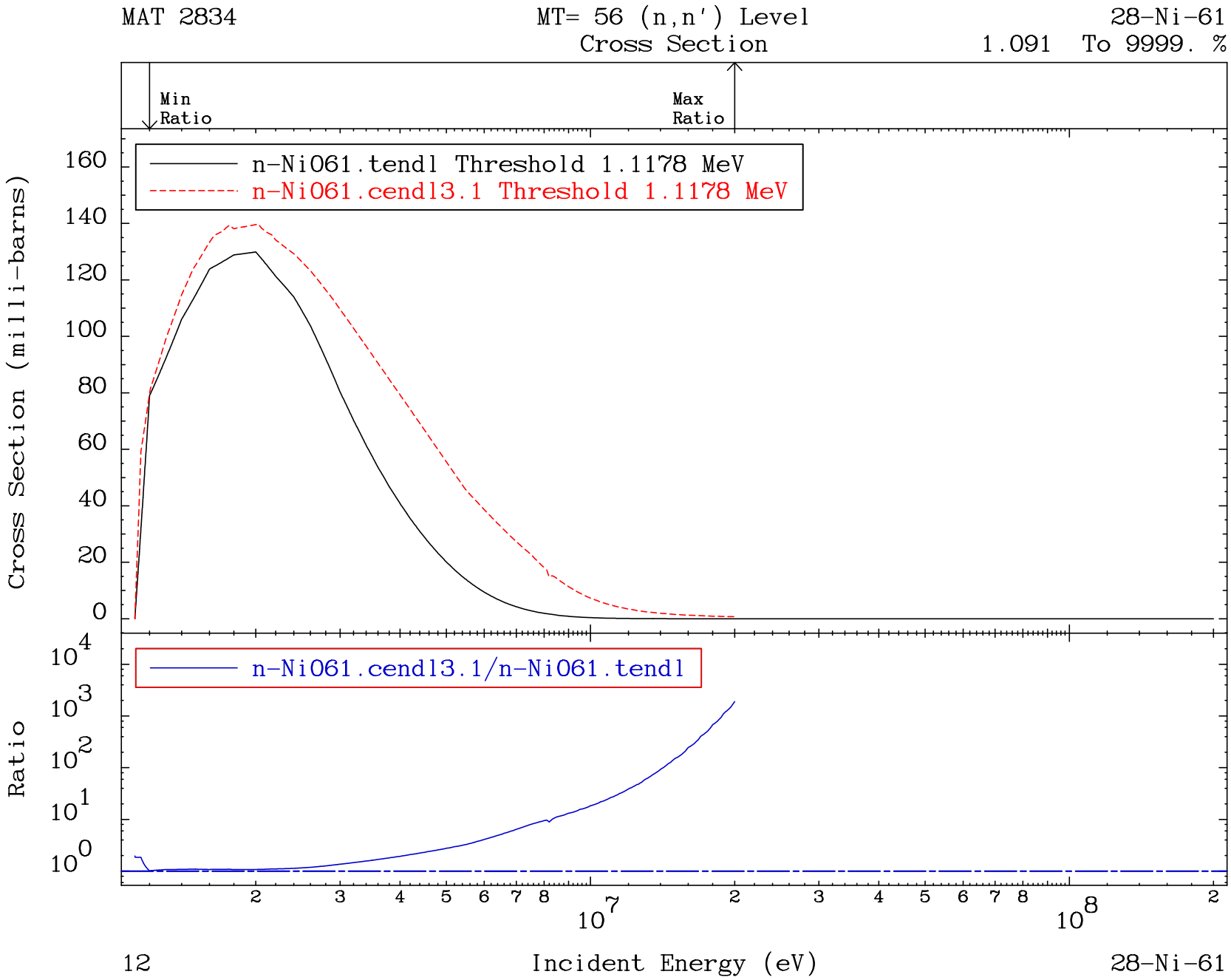

MAT 2834
MT= 51 (n,n') Level
Cross Section
28-Ni-61
-100.0 To 9999. %
Min
Ratio
Max
Ratio
n-Ni061.tendl Threshold 68.958 keV
n-Ni061.cendl3.1 Threshold 69.936 keV
Cross Section (milli-barns)
800
600
400
200
0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
10^4
10^0
10^-4
10^-8
8
10^5
2
3
4
5
6
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
7
Incident Energy (eV)
28-Ni-61

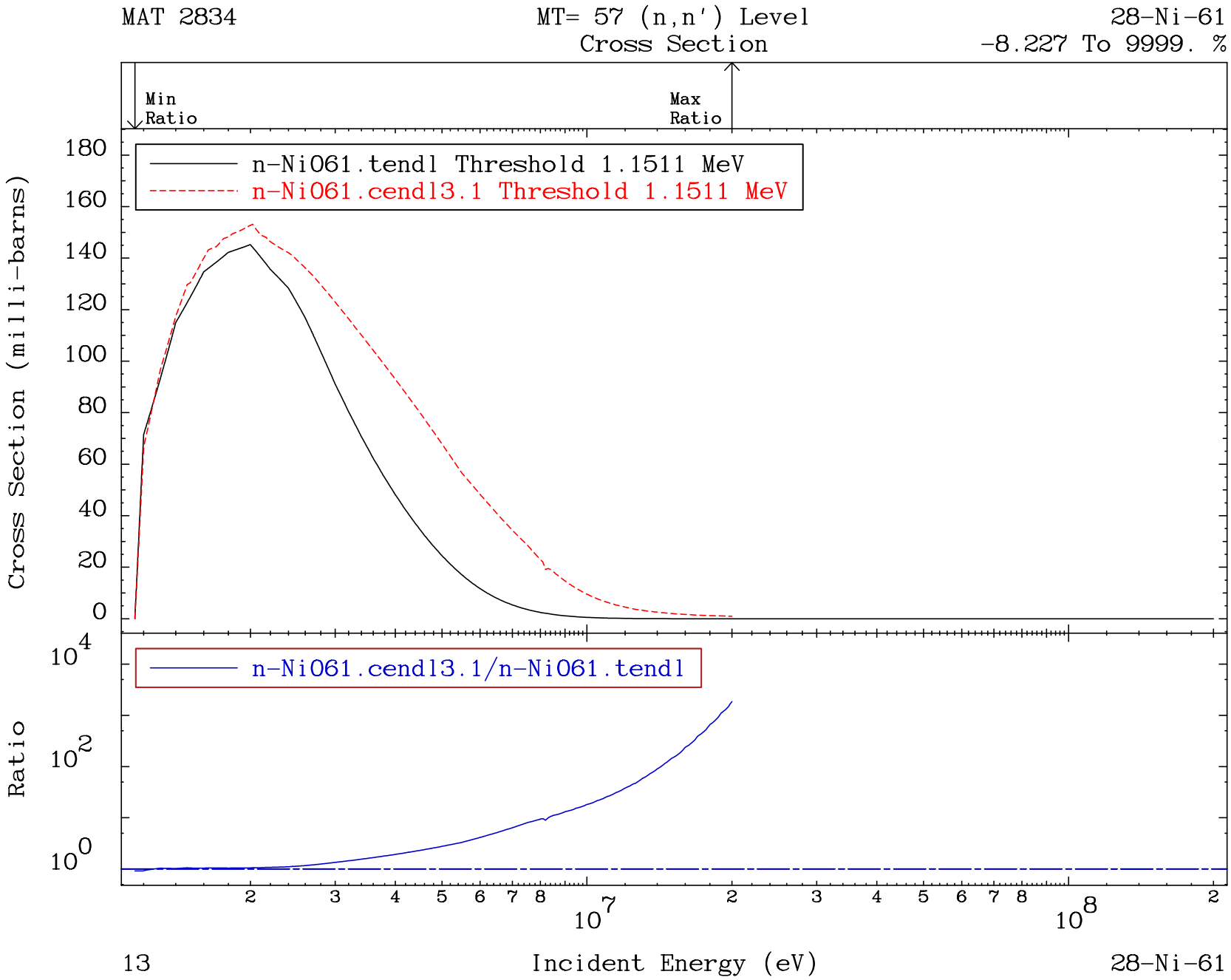

MAT 2834
MT= 52 (n,n') Level
Cross Section
28-Ni-61
-8.806 To 9999. %
Min
Ratio
Max
Ratio
n-Ni061.tendl Threshold 287.64 keV
n-Ni061.cendl3.1 Threshold 287.64 keV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
10^4
10^2
10^0
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
8
Incident Energy (eV)
28-Ni-61

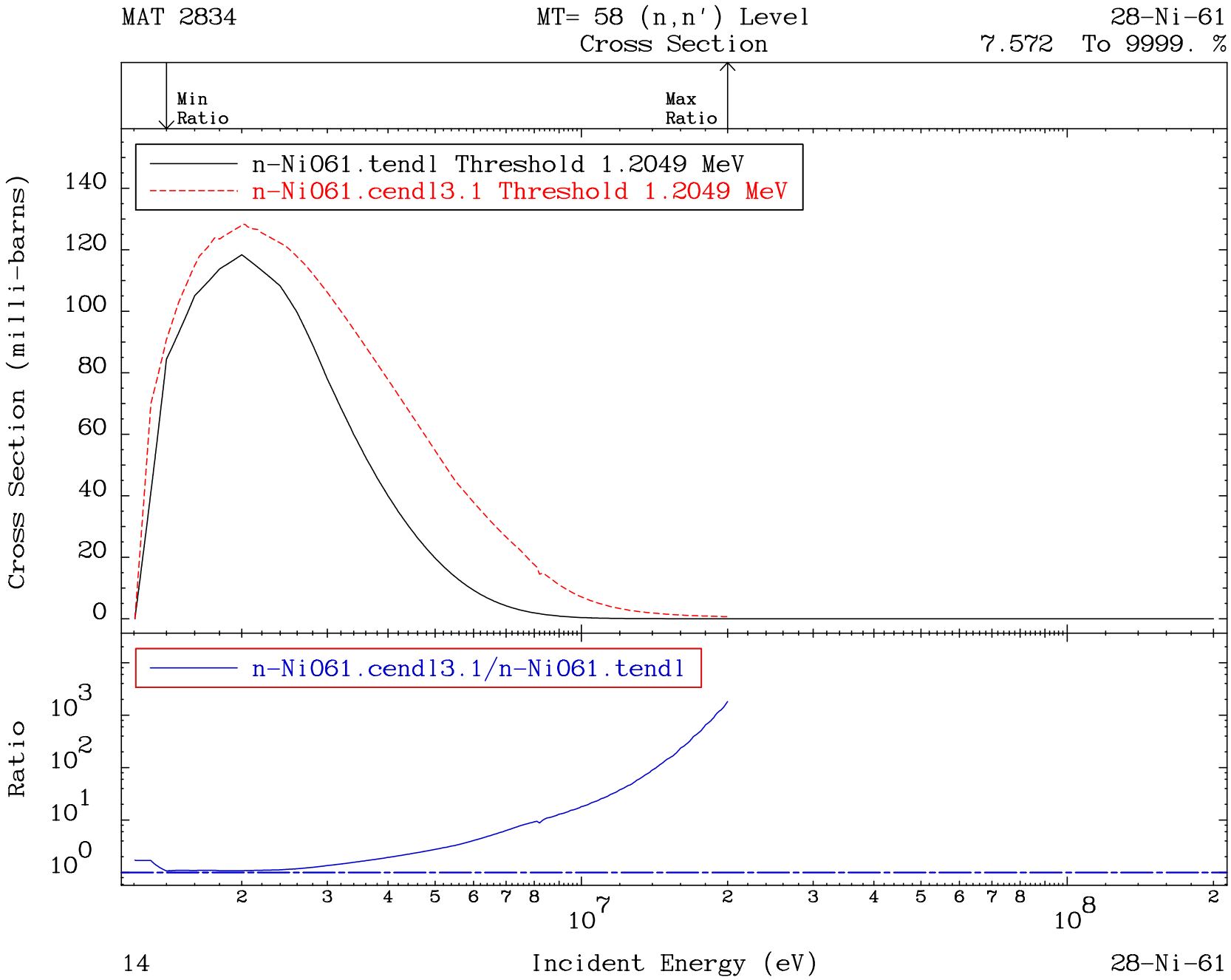

MAT 2834
MT= 53 (n,n') Level
Cross Section
28-Ni-61
-10.93 To 9999. %
Min
Ratio
Max
Ratio
n-Ni061.tendl Threshold 666.87 keV
n-Ni061.cendl3.1 Threshold 666.87 keV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
10^4
10^2
10^0
7 8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
9
Incident Energy (eV)
28-Ni-61

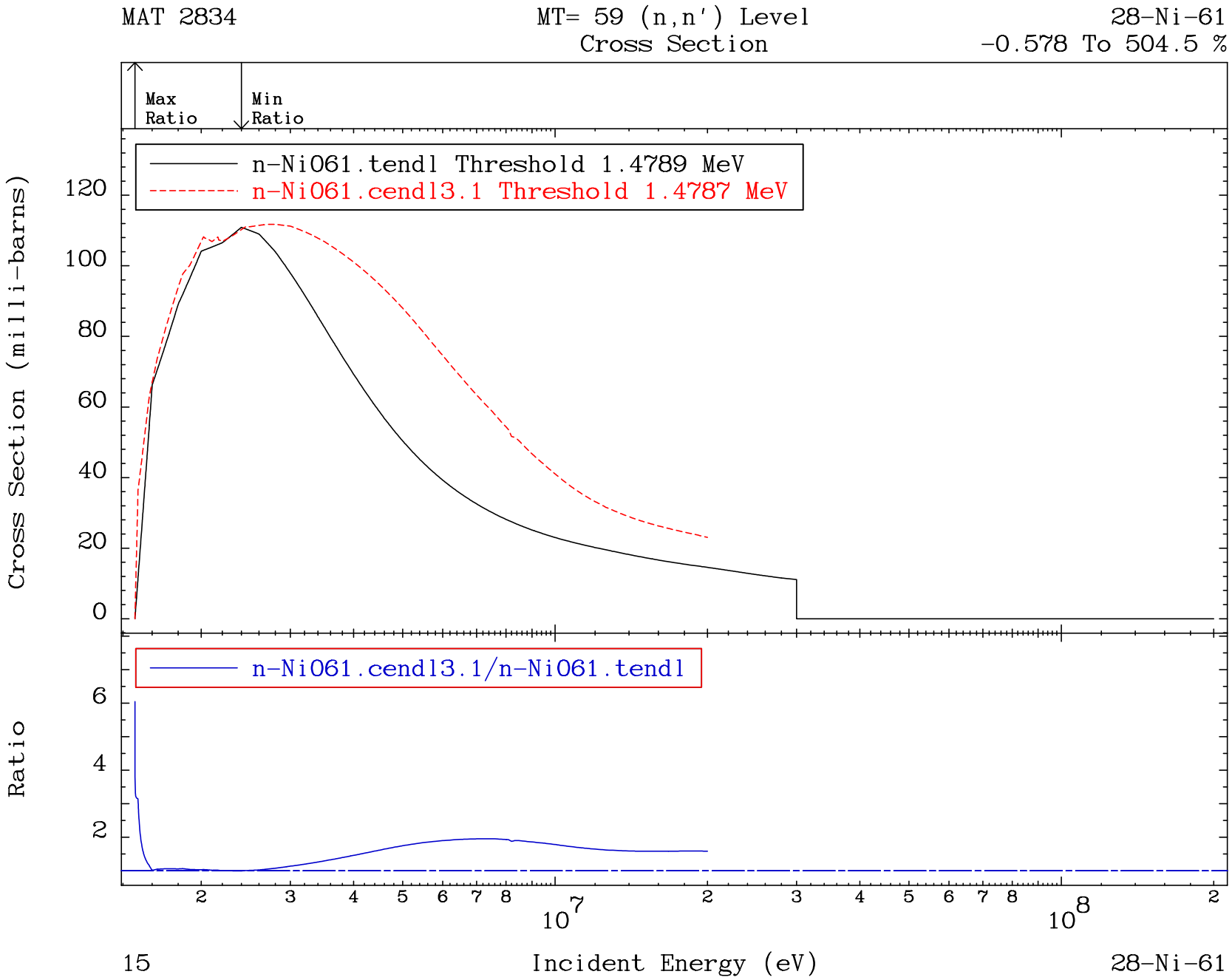

MAT 2834
MT= 54 (n,n') Level
Cross Section
28-Ni-61
-7.429 To 9999. %
Min
Ratio
Max
Ratio
n-Ni061.tendl Threshold 923.66 keV
n-Ni061.cendl3.1 Threshold 923.66 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
10^4
10^2
10^0
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
10
Incident Energy (eV)
28-Ni-61

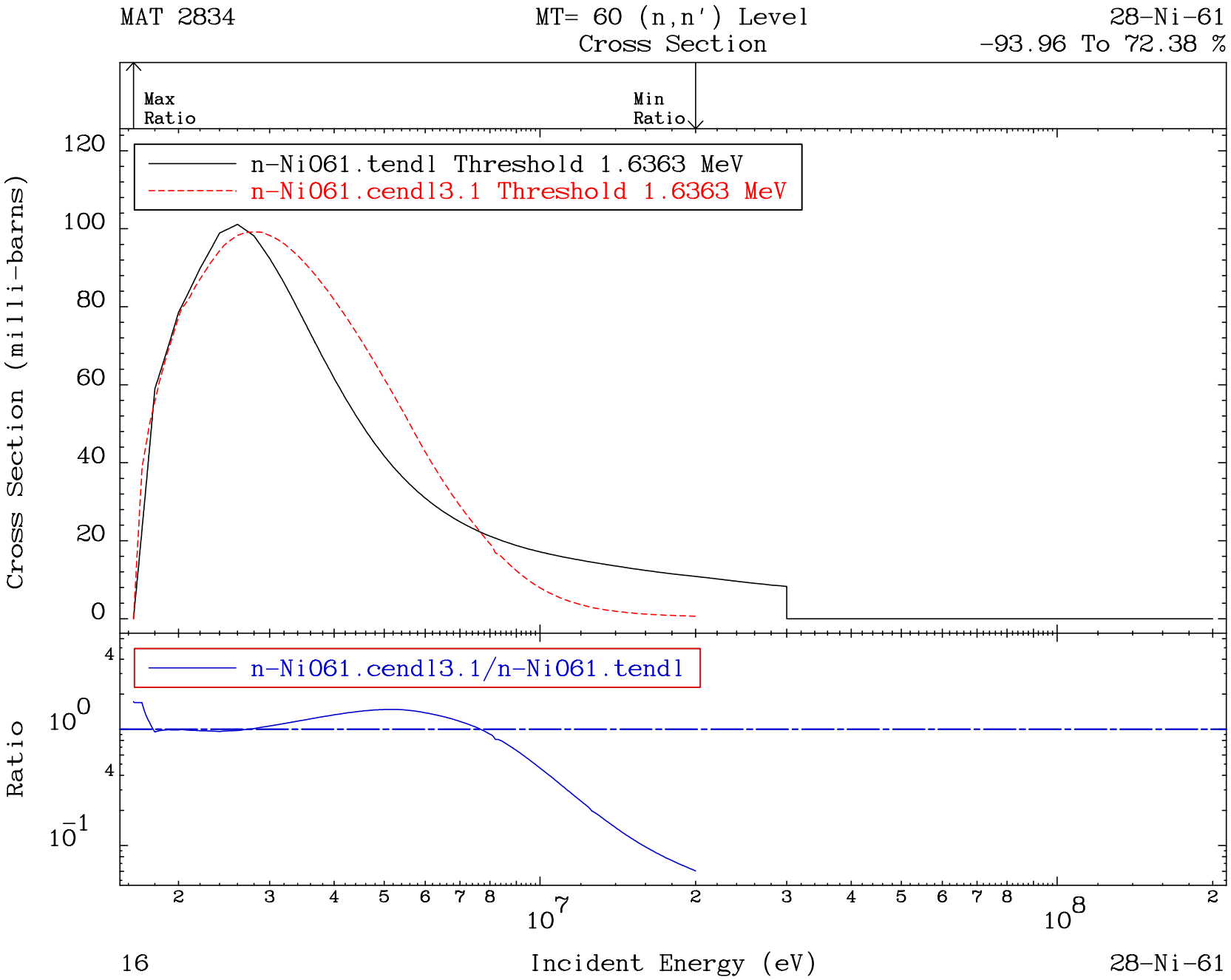

MAT 2834
MT= 55 (n,n') Level
Cross Section
28-Ni-61
10.72 To 9999. %
Min Ratio
Max Ratio
n-Ni061.tendl Threshold 1.0319 MeV
n-Ni061.cendl3.1 Threshold 1.0319 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
10^4
10^2
10^0
10^6
10^7
10^8
2 3 4 5 6 7 8
11
Incident Energy (eV)
28-Ni-61

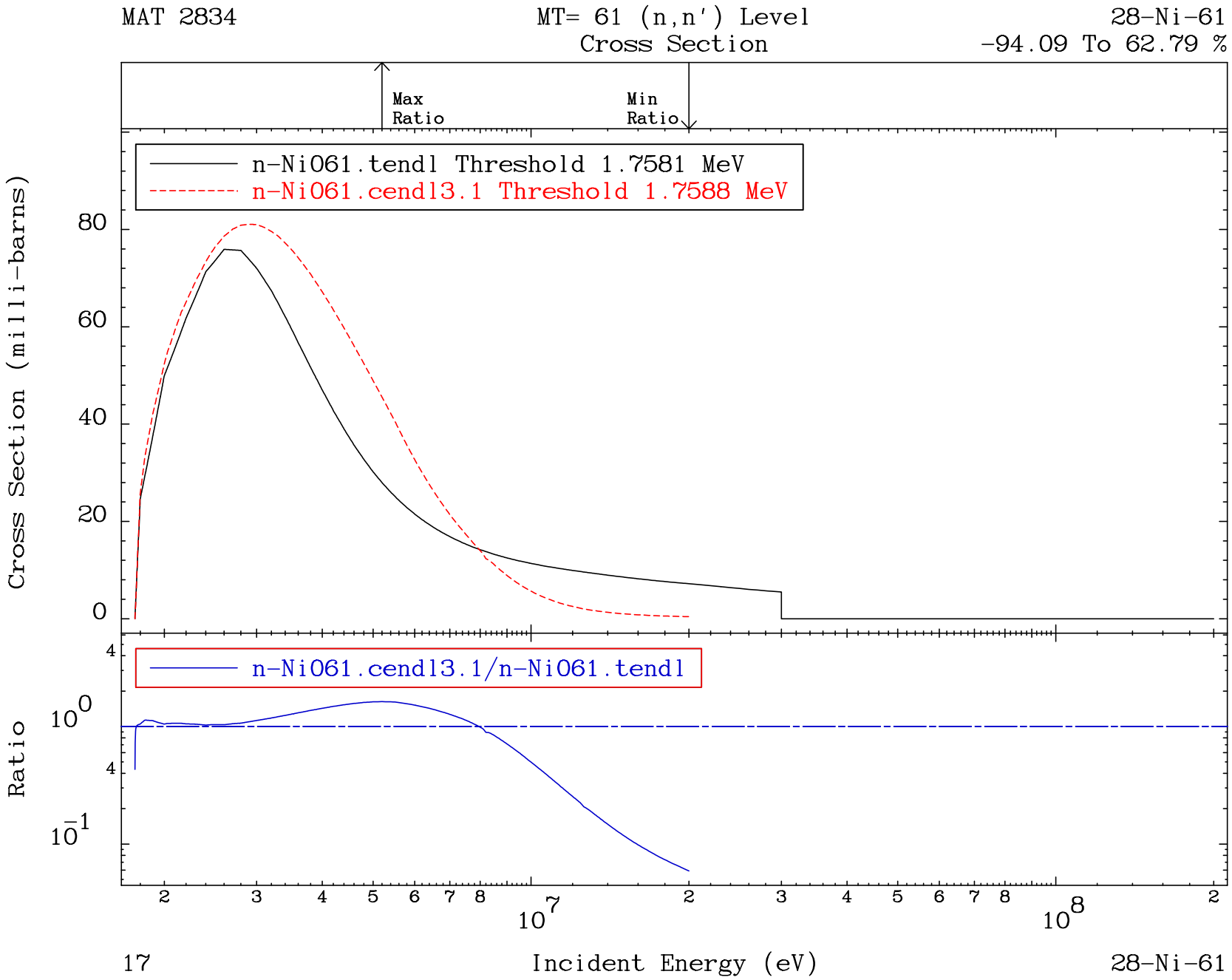

MAT 2834
MT= 56 (n,n') Level
Cross Section
28-Ni-61
1.091 To 9999. %
Min Ratio
Max Ratio
n-Ni061.tendl Threshold 1.1178 MeV
n-Ni061.cendl3.1 Threshold 1.1178 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
10^4
10^3
10^2
10^1
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
28-Ni-61

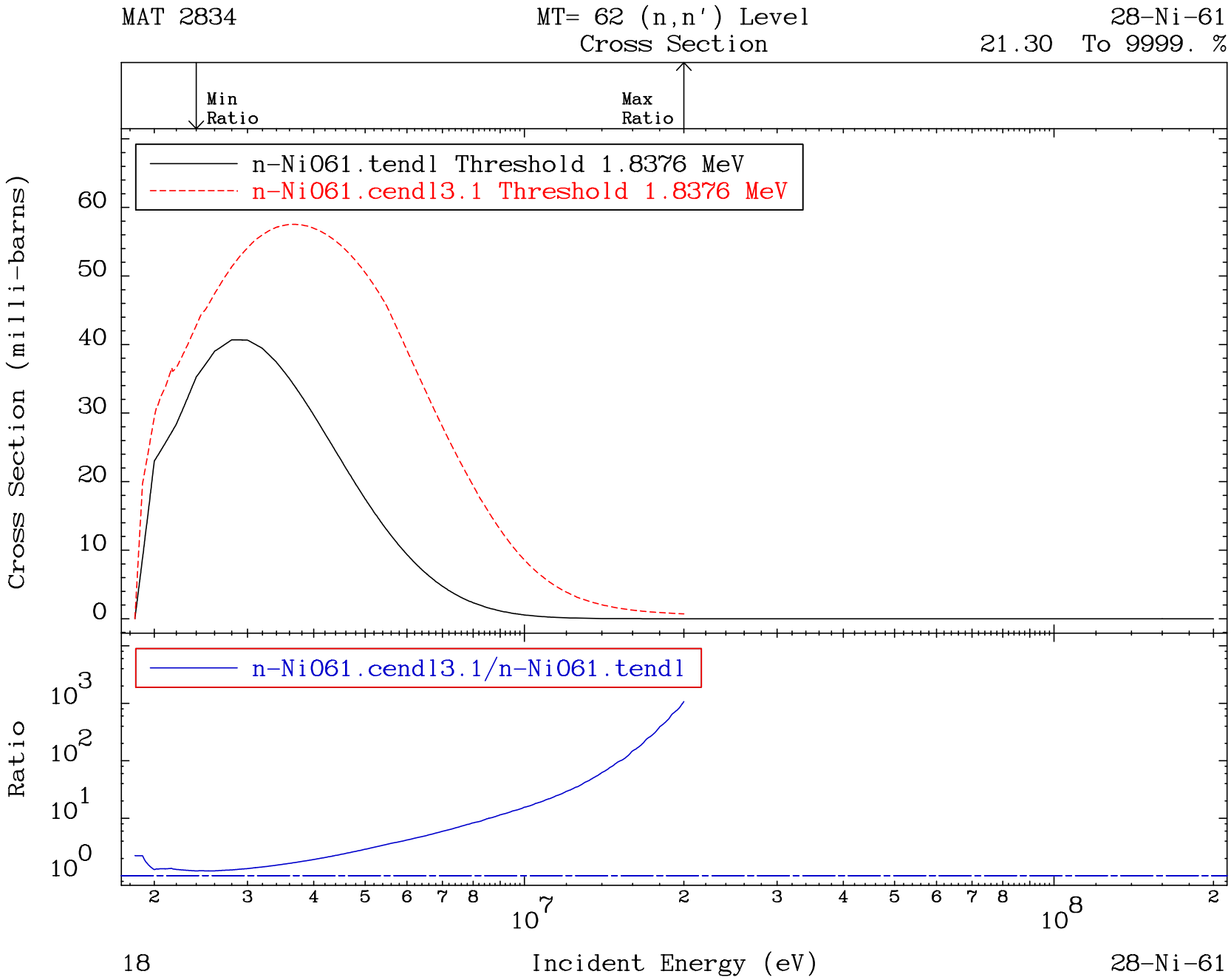

MAT 2834
MT= 57 (n,n') Level
Cross Section
28-Ni-61
-8.227 To 9999. %
Min
Ratio
Max
Ratio
n-Ni061.tendl Threshold 1.1511 MeV
n-Ni061.cendl3.1 Threshold 1.1511 MeV
Cross Section (milli-barns)
180
160
140
120
100
80
60
40
20
0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
10^4
10^2
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
28-Ni-61

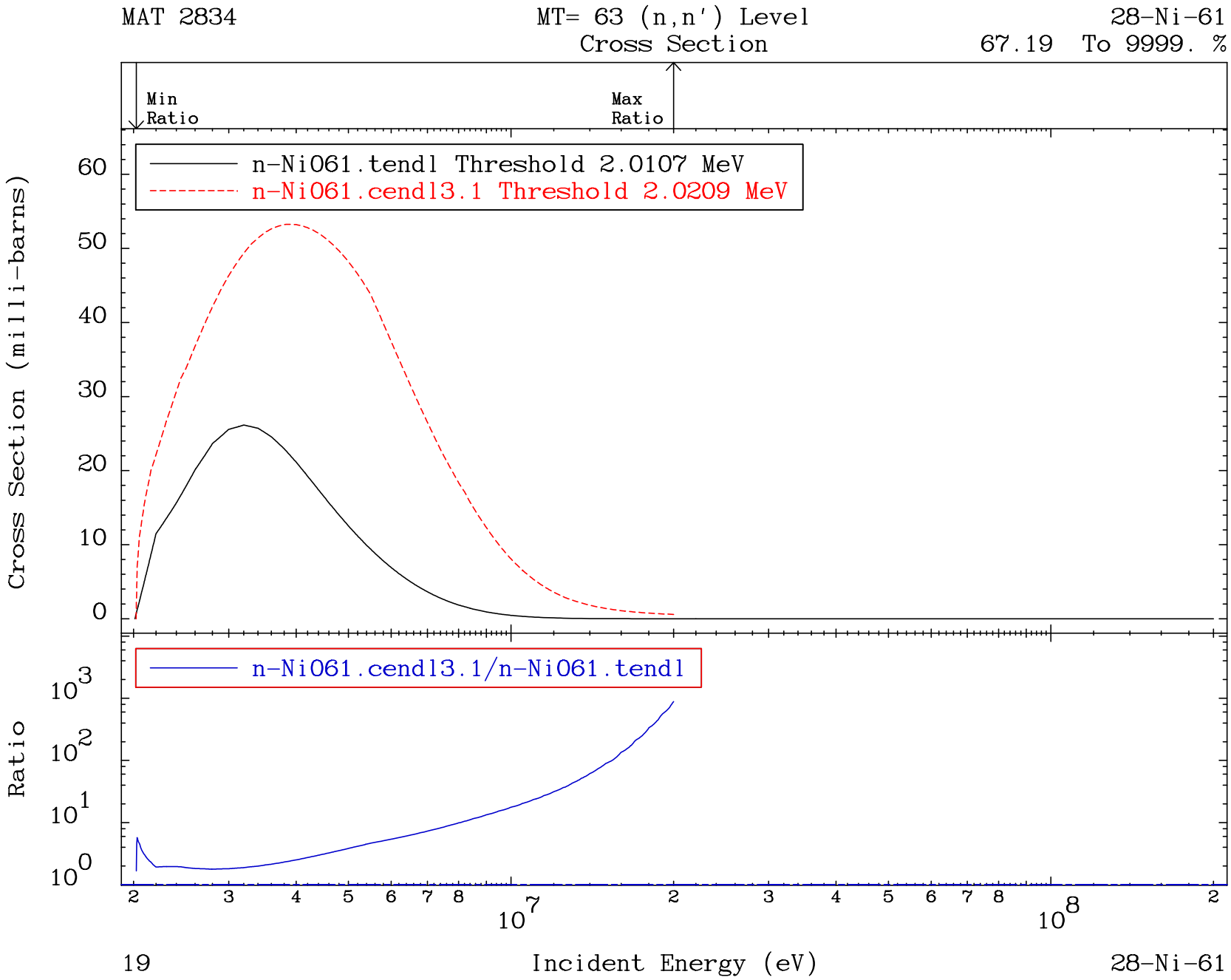

MAT 2834
MT= 58 (n,n') Level
Cross Section
28-Ni-61
7.572 To 9999. %
Min Ratio
Max Ratio
n-Ni061.tendl Threshold 1.2049 MeV
n-Ni061.cendl3.1 Threshold 1.2049 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
10^3
10^2
10^1
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
28-Ni-61

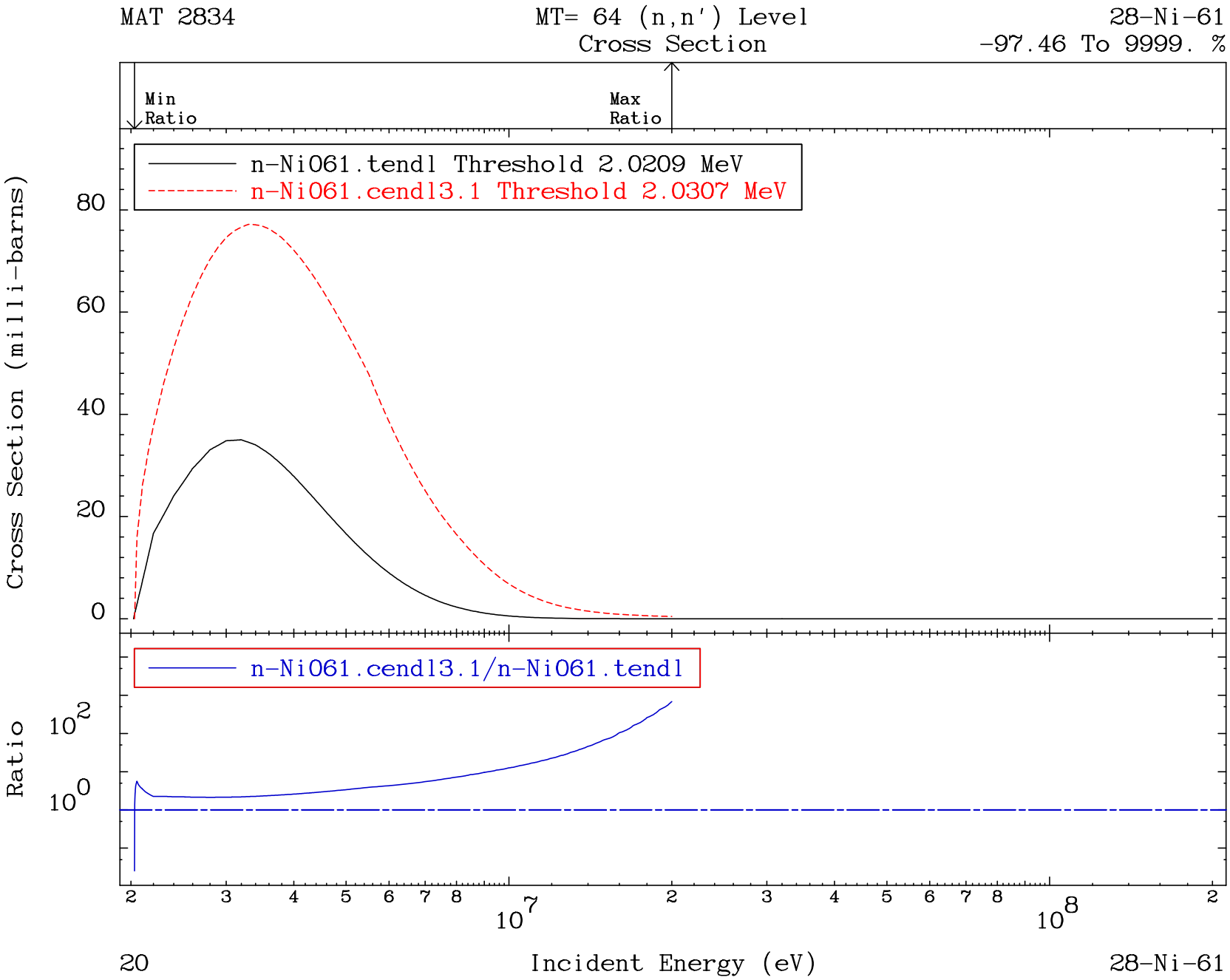

MAT 2834
MT= 59 (n,n') Level
Cross Section
28-Ni-61
-0.578 To 504.5 %
Max Ratio
Min Ratio
n-Ni061.tendl Threshold 1.4789 MeV
n-Ni061.cendl3.1 Threshold 1.4787 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
6
4
2
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
15
Incident Energy (eV)
28-Ni-61

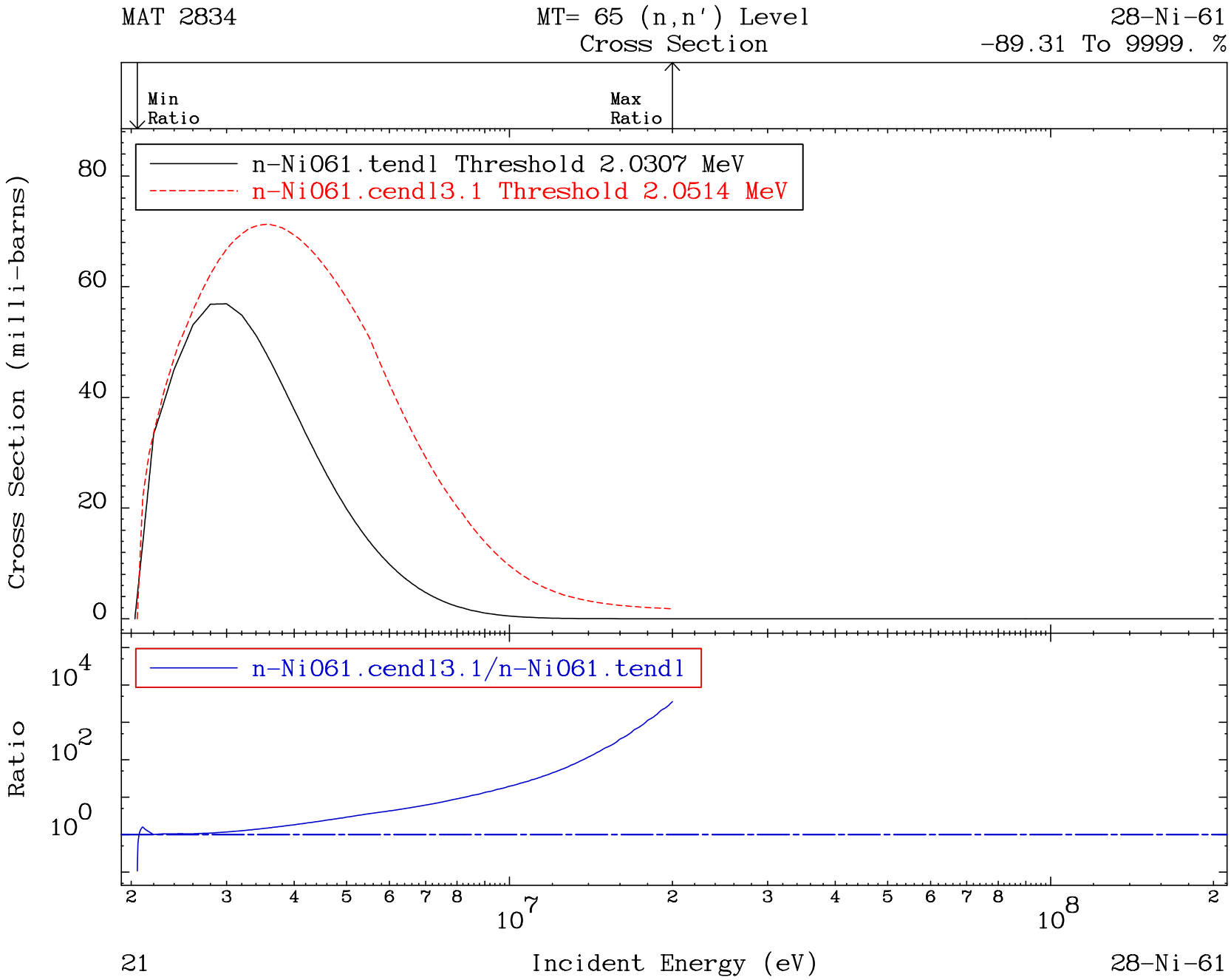

MAT 2834
MT= 60 (n,n') Level
Cross Section
28-Ni-61
-93.96 To 72.38 %
Max Ratio
Min Ratio
n-Ni061.tendl Threshold 1.6363 MeV
n-Ni061.cendl3.1 Threshold 1.6363 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
4
$10^{0}$
4
$10^{-1}$
2 3 4 5 6 7 8 $10^{7}$ 2 3 4 5 6 7 8 $10^{8}$ 2
16
Incident Energy (eV)
28-Ni-61

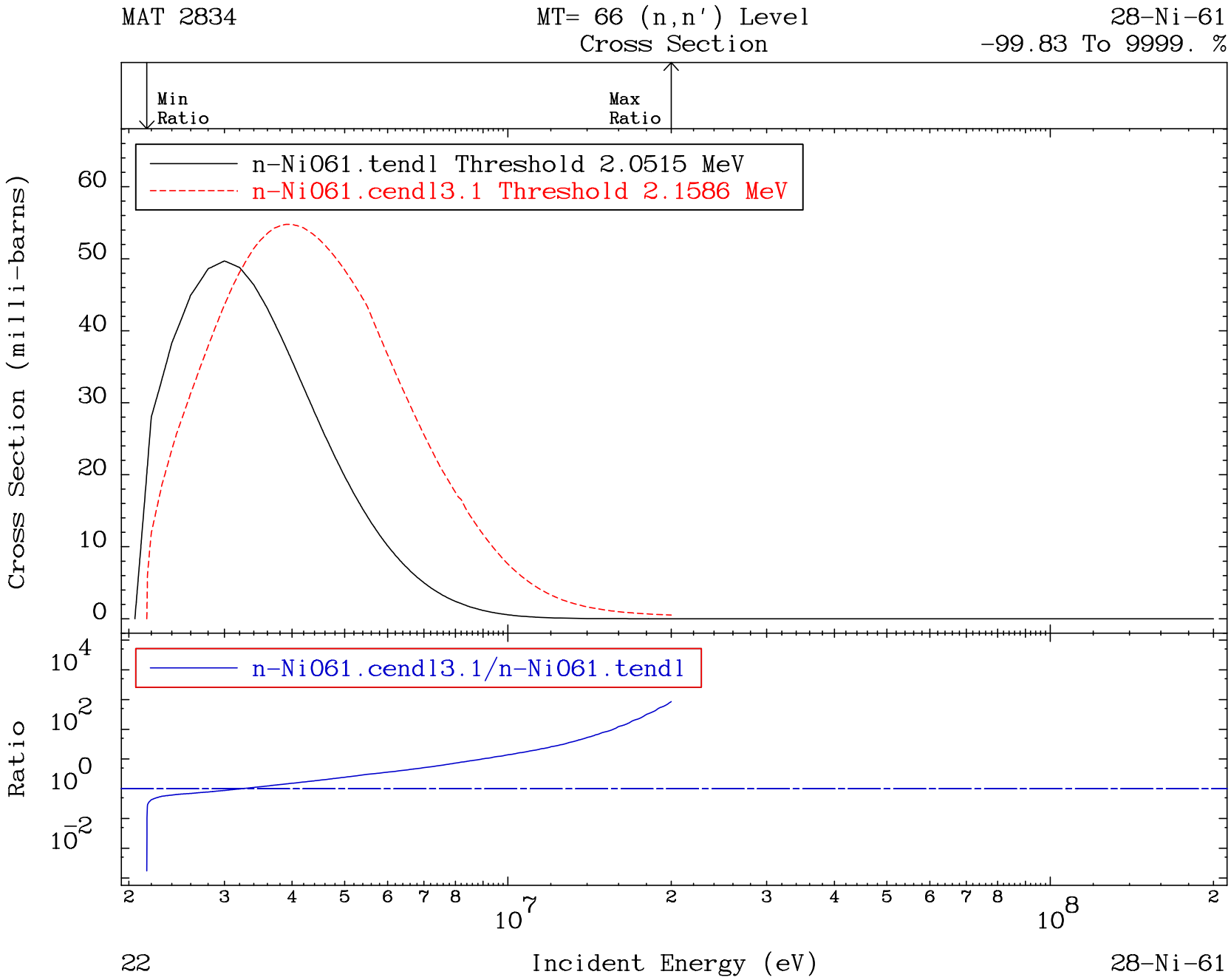

MAT 2834
MT= 61 (n,n') Level
Cross Section
28-Ni-61
-94.09 To 62.79 %
Max
Ratio
Min
Ratio
n-Ni061.tendl Threshold 1.7581 MeV
n-Ni061.cendl3.1 Threshold 1.7588 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
4
$10^{0}$
4
$10^{-1}$
2
3
4
5
6
7
8
$10^{7}$
2
3
4
5
6
7
8
$10^{8}$
2
17
Incident Energy (eV)
28-Ni-61

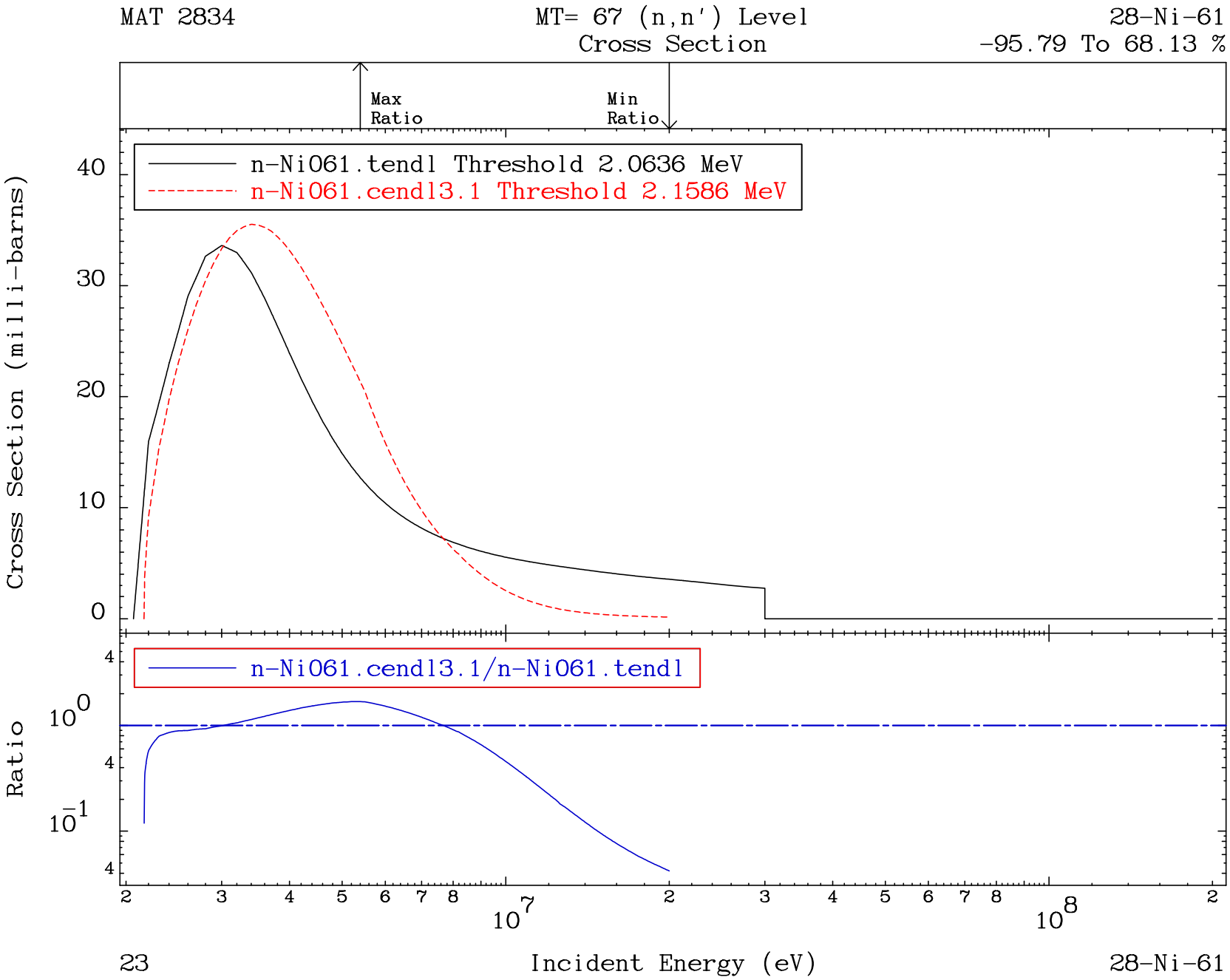

MAT 2834
MT= 62 (n,n') Level
Cross Section
28-Ni-61
21.30 To 9999. %
Min Ratio
Max Ratio
n-Ni061.tendl Threshold 1.8376 MeV
n-Ni061.cendl3.1 Threshold 1.8376 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
10^3
10^2
10^1
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
18
Incident Energy (eV)
28-Ni-61

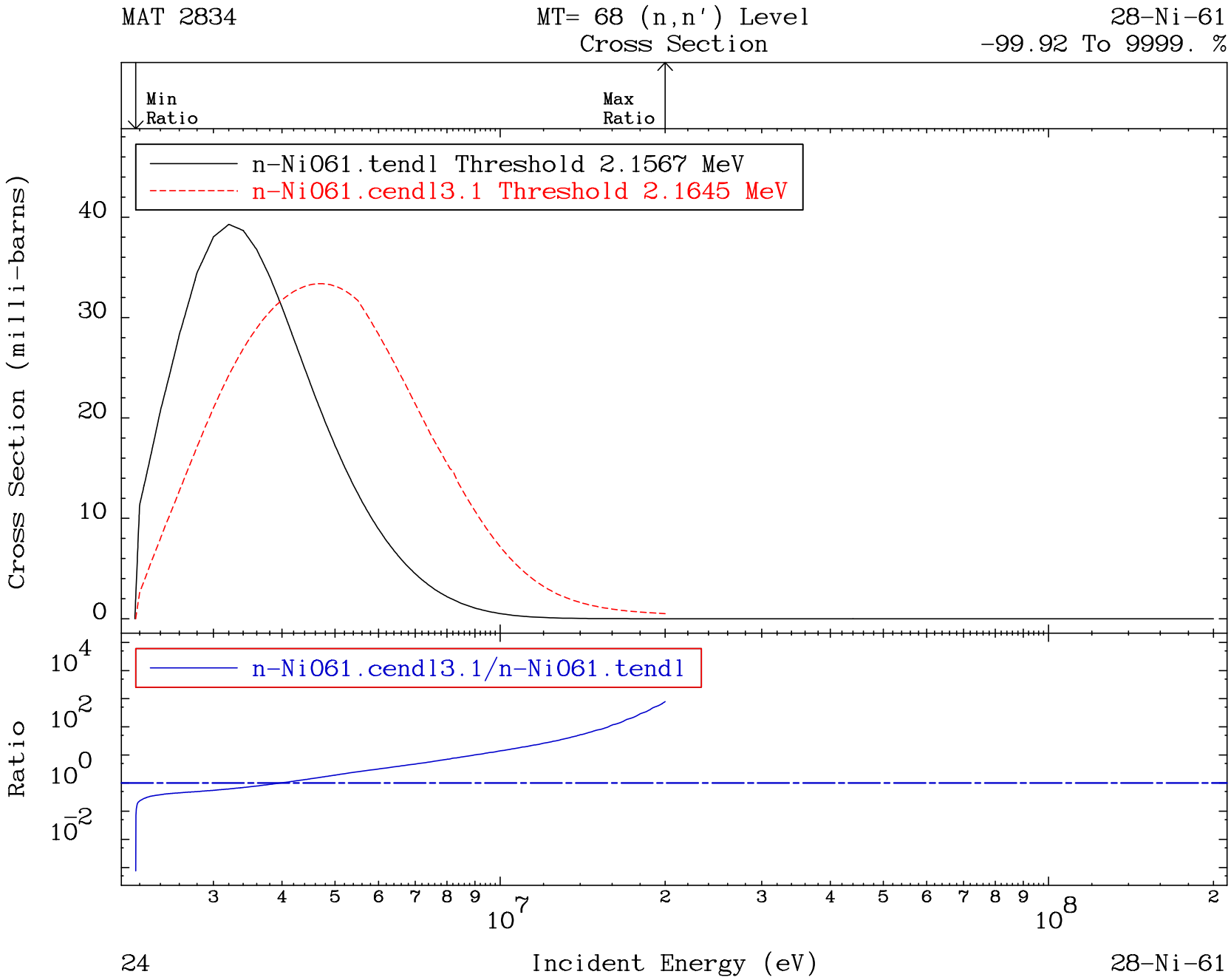

MAT 2834
MT= 63 (n,n') Level
Cross Section
28-Ni-61
67.19 To 9999. %
Min Ratio
Max Ratio
n-Ni061.tendl Threshold 2.0107 MeV
n-Ni061.cendl3.1 Threshold 2.0209 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
10^3
10^2
10^1
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
28-Ni-61

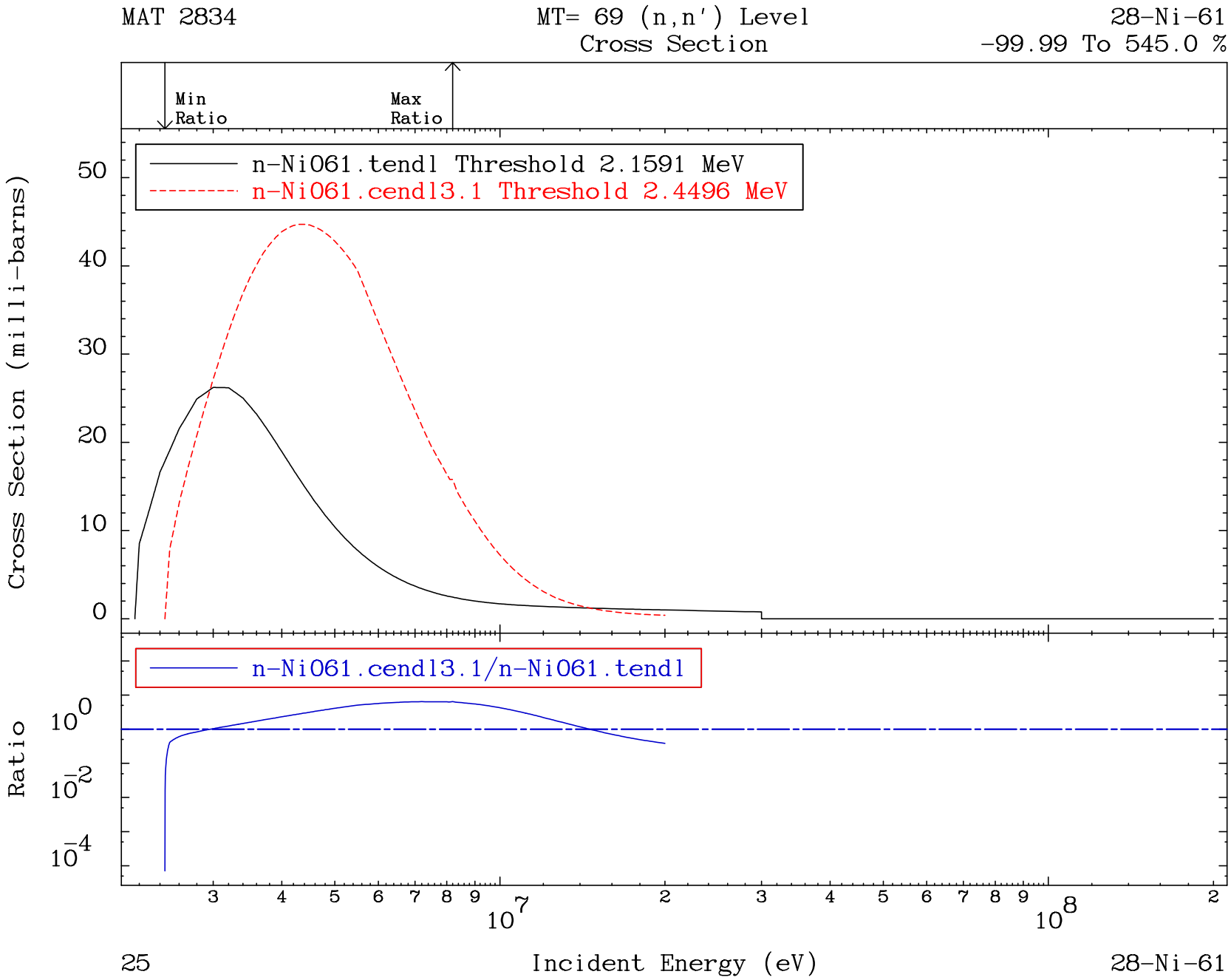

MAT 2834
MT= 64 (n,n') Level
Cross Section
28-Ni-61
-97.46 To 9999. %
Min Ratio
Max Ratio
n-Ni061.tendl Threshold 2.0209 MeV
n-Ni061.cendl3.1 Threshold 2.0307 MeV
Cross Section (milli-barns)
0
20
40
60
80
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
10^2
10^0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
28-Ni-61

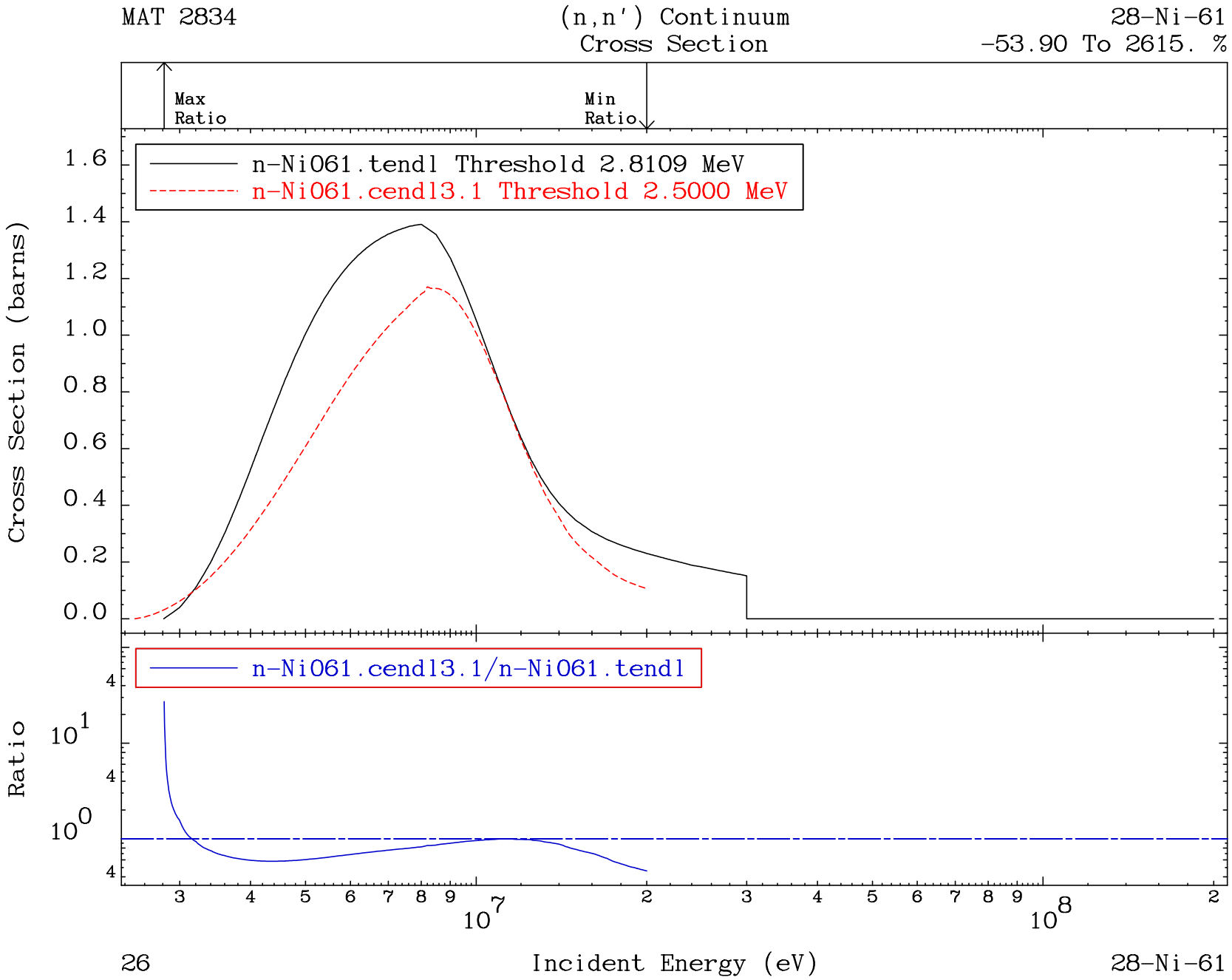

MAT 2834
MT= 65 (n,n') Level
Cross Section
28-Ni-61
-89.31 To 9999. %
Min Ratio
Max Ratio
n-Ni061.tendl Threshold 2.0307 MeV
n-Ni061.cendl3.1 Threshold 2.0514 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
10^4
10^2
10^0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
21
Incident Energy (eV)
28-Ni-61

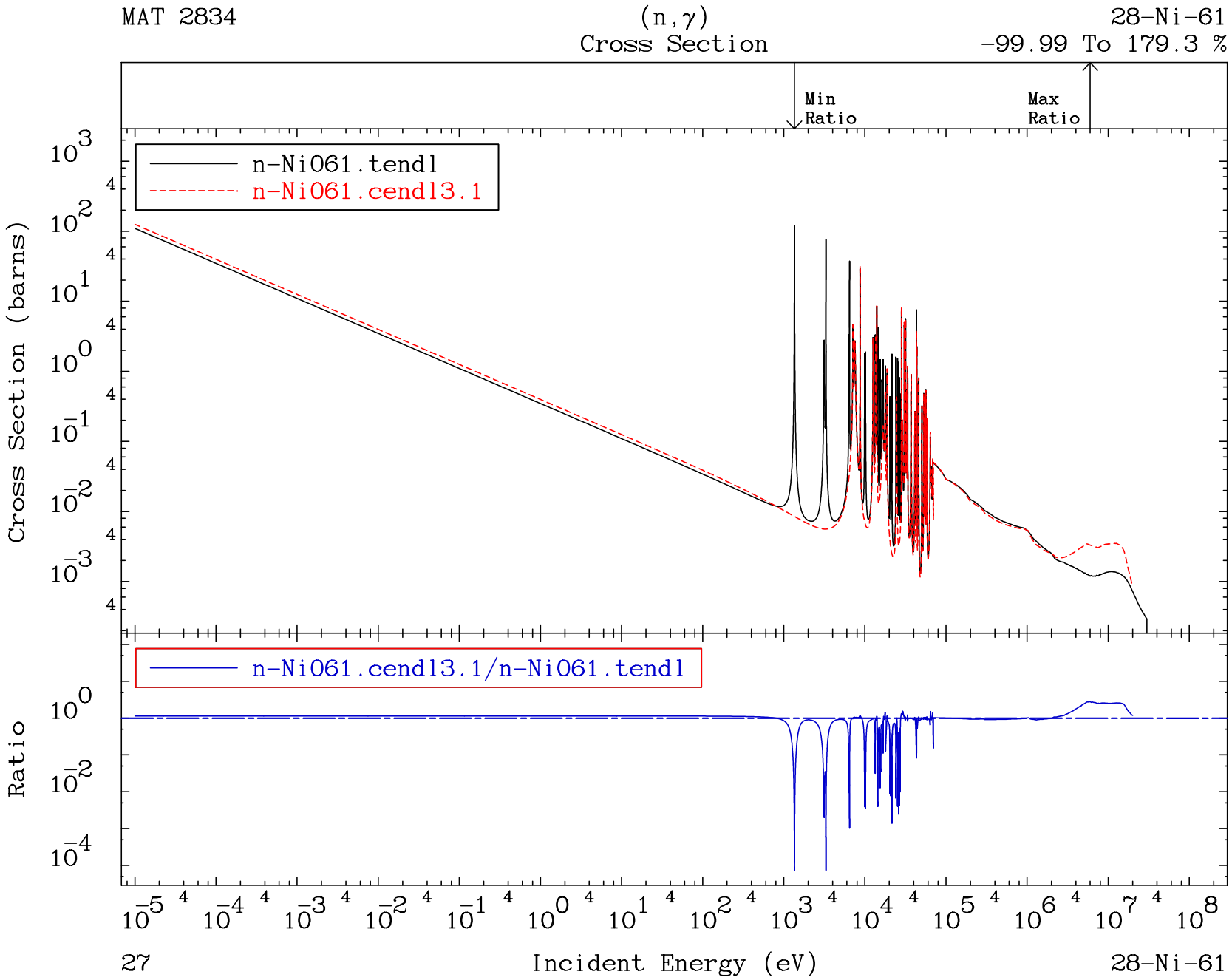

MAT 2834
MT= 66 (n,n') Level
Cross Section
28-Ni-61
-99.83 To 9999. %
Min
Ratio
Max
Ratio
n-Ni061.tendl Threshold 2.0515 MeV
n-Ni061.cendl3.1 Threshold 2.1586 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
10^4
10^2
10^0
10^-2
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
22
Incident Energy (eV)
28-Ni-61

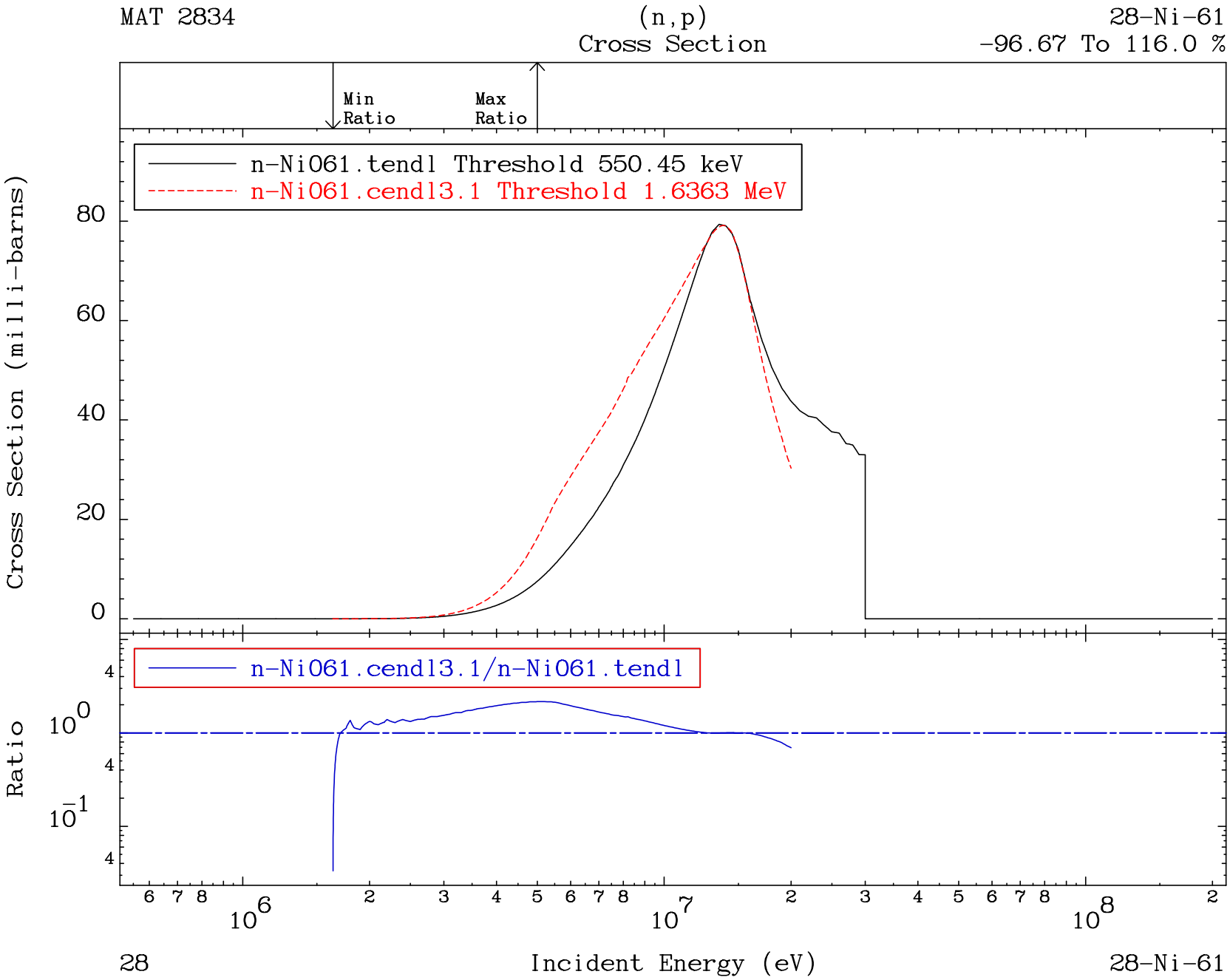

MAT 2834
MT= 67 (n,n') Level
Cross Section
28-Ni-61
-95.79 To 68.13 %
Max
Ratio
Min
Ratio
n-Ni061.tendl Threshold 2.0636 MeV
n-Ni061.cendl3.1 Threshold 2.1586 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
10^0
10^-1
2
3
4
5
6
7
8
10^7
10^8
23
Incident Energy (eV)
28-Ni-61

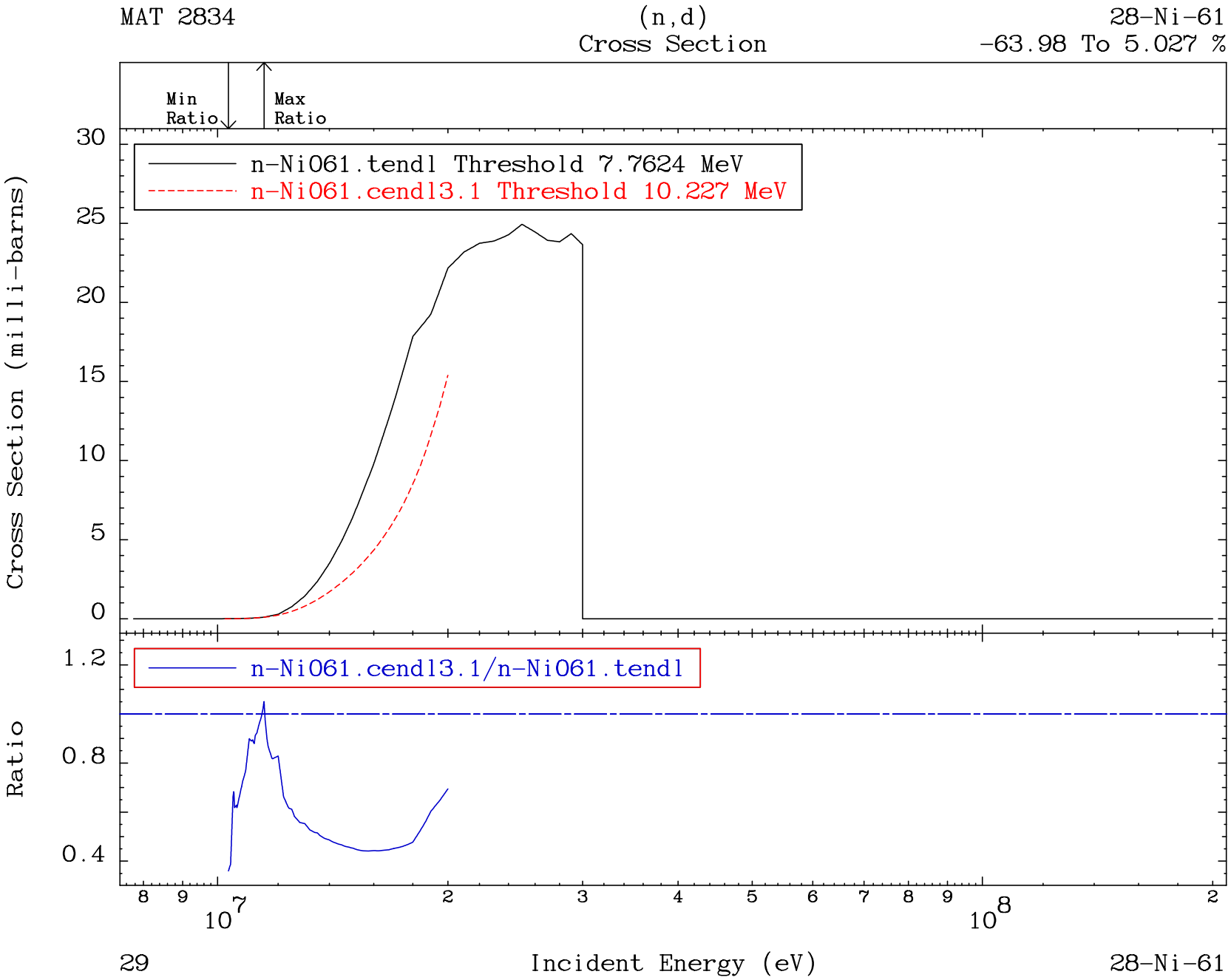

MAT 2834
MT= 68 (n,n') Level
Cross Section
28-Ni-61
-99.92 To 9999. %
Min Ratio
Max Ratio
n-Ni061.tendl Threshold 2.1567 MeV
n-Ni061.cendl3.1 Threshold 2.1645 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
10^4
10^2
10^0
10^-2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
24
Incident Energy (eV)
28-Ni-61

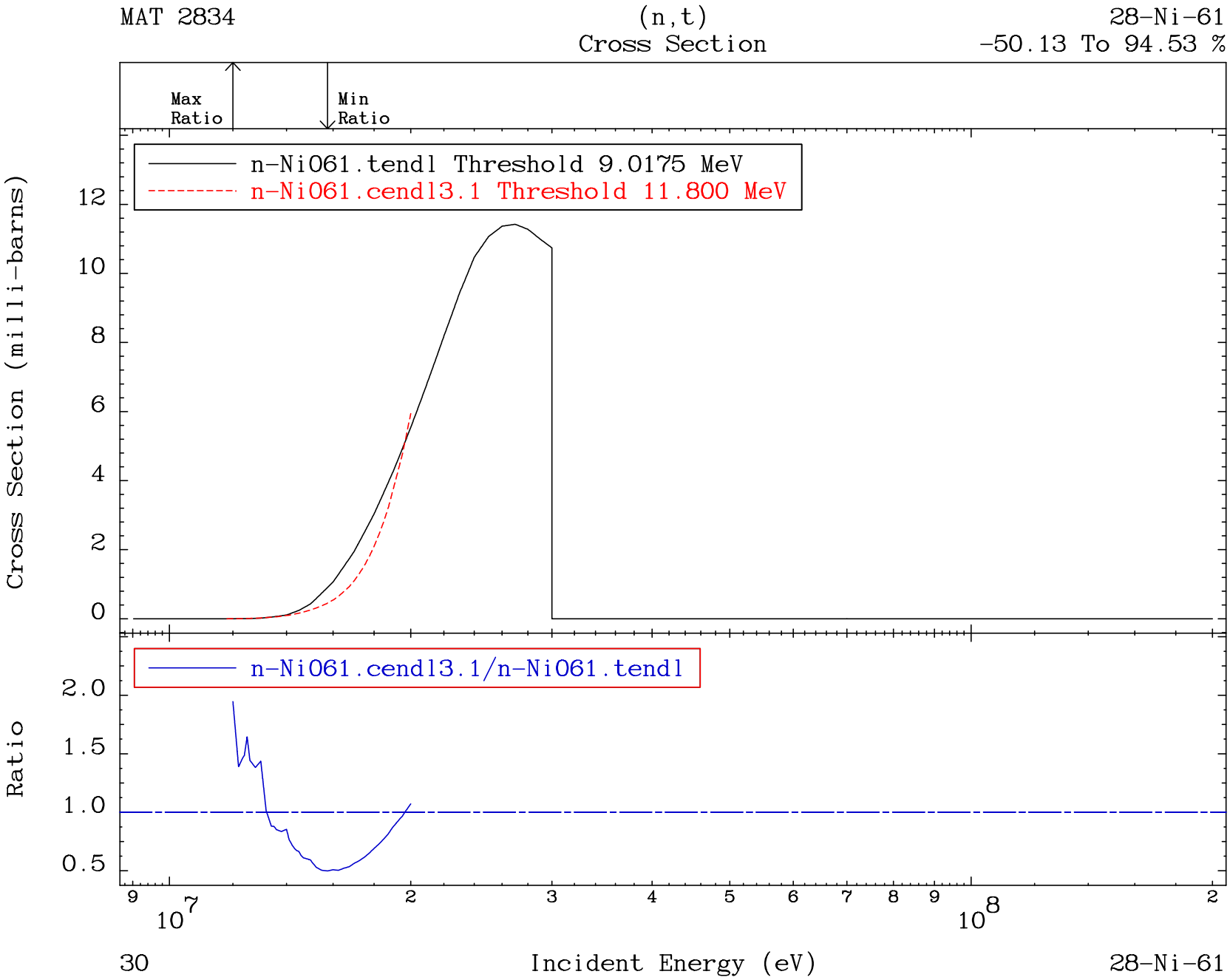

MAT 2834
MT= 69 (n,n') Level
Cross Section
28-Ni-61
-99.99 To 545.0 %
Min Ratio
Max Ratio
n-Ni061.tendl Threshold 2.1591 MeV
n-Ni061.cendl3.1 Threshold 2.4496 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
10^0
10^-2
10^-4
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
25
Incident Energy (eV)
28-Ni-61

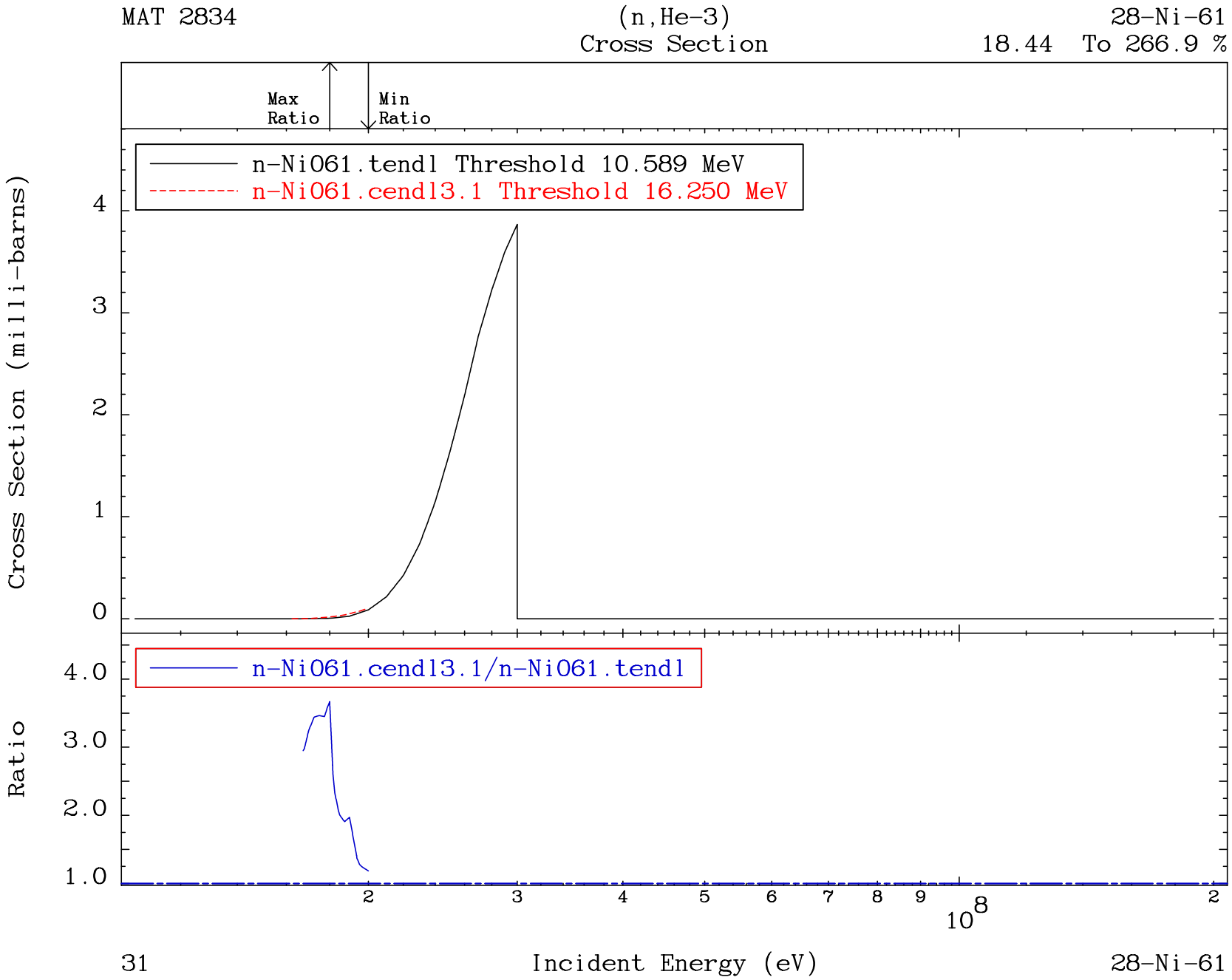

MAT 2834
(n,n') Continuum
Cross Section
28-Ni-61
-53.90 To 2615. %
Max Ratio
Min Ratio
n-Ni061.tendl Threshold 2.8109 MeV
n-Ni061.cendl3.1 Threshold 2.5000 MeV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
10^1
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
26
Incident Energy (eV)
28-Ni-61

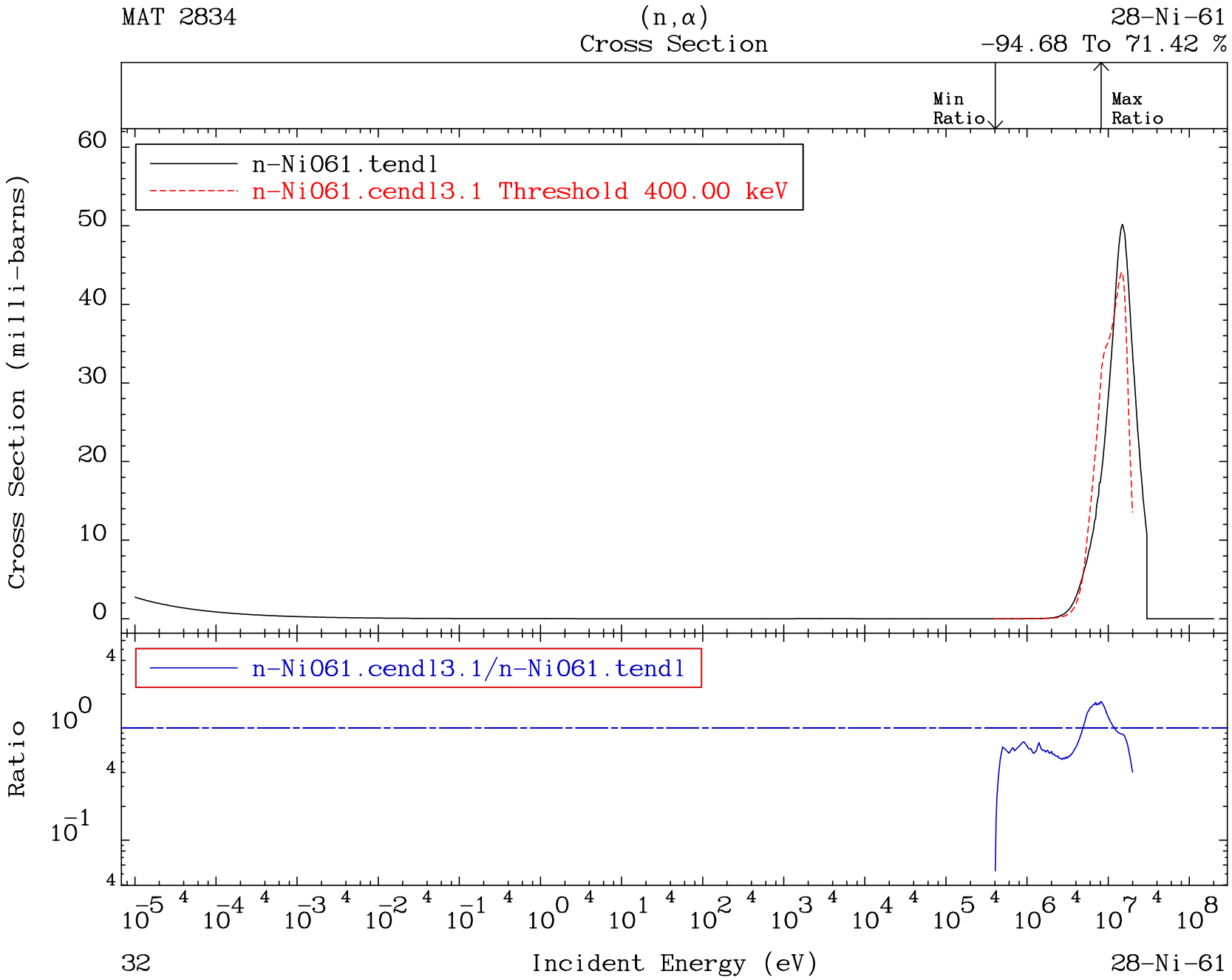

MAT 2834
(n,γ)
Cross Section
28-Ni-61
-99.99 To 179.3 %
Min
Ratio
Max
Ratio
n-Ni061.tendl
n-Ni061.cendl3.1
Cross Section (barns)
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
Incident Energy (eV)
27
28-Ni-61

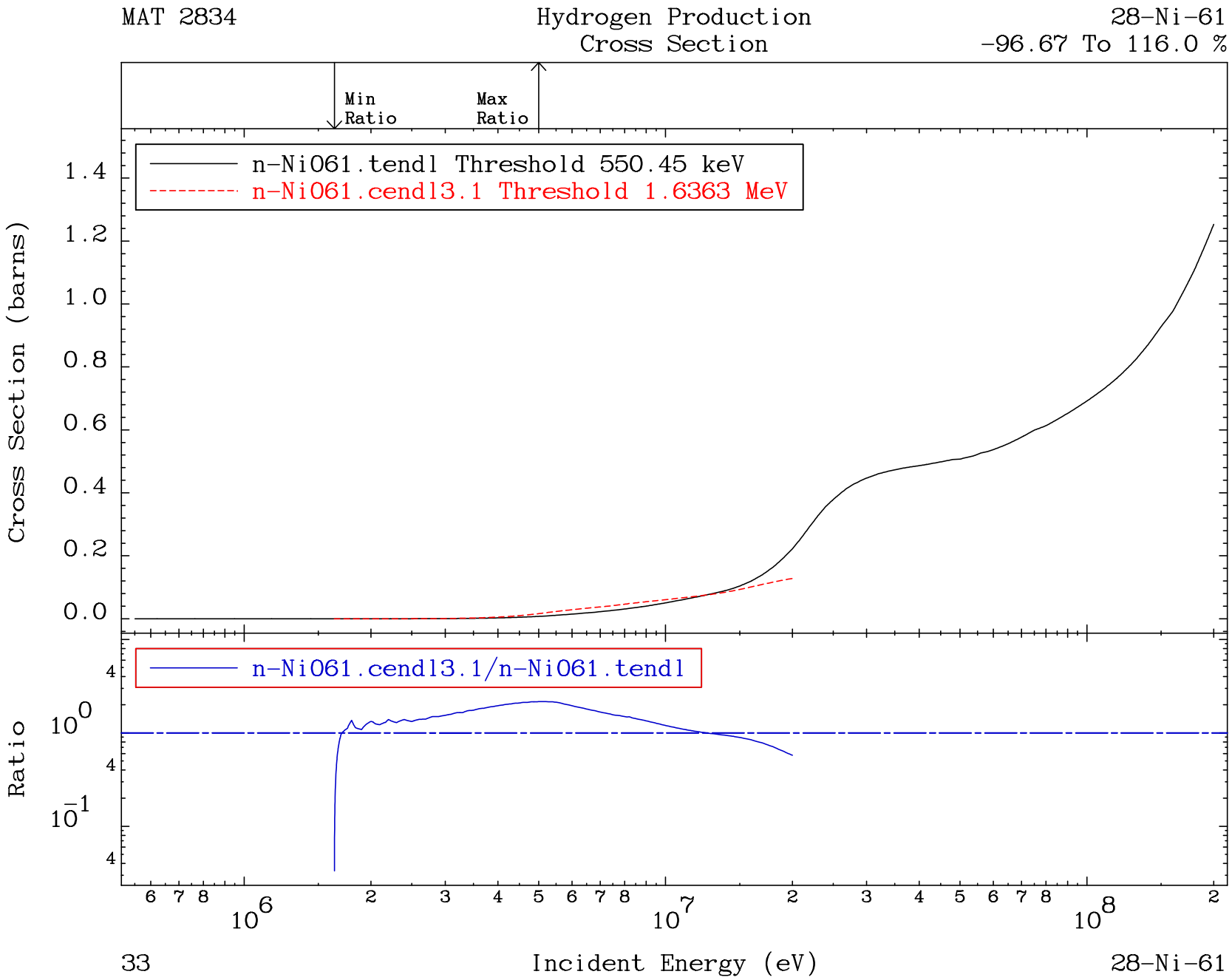

MAT 2834
(n,p)
Cross Section
28-Ni-61
-96.67 To 116.0 %
Min Ratio
Max Ratio
n-Ni061.tendl Threshold 550.45 keV
n-Ni061.cendl3.1 Threshold 1.6363 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
10^0
10^-1
4
4
4
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
28-Ni-61

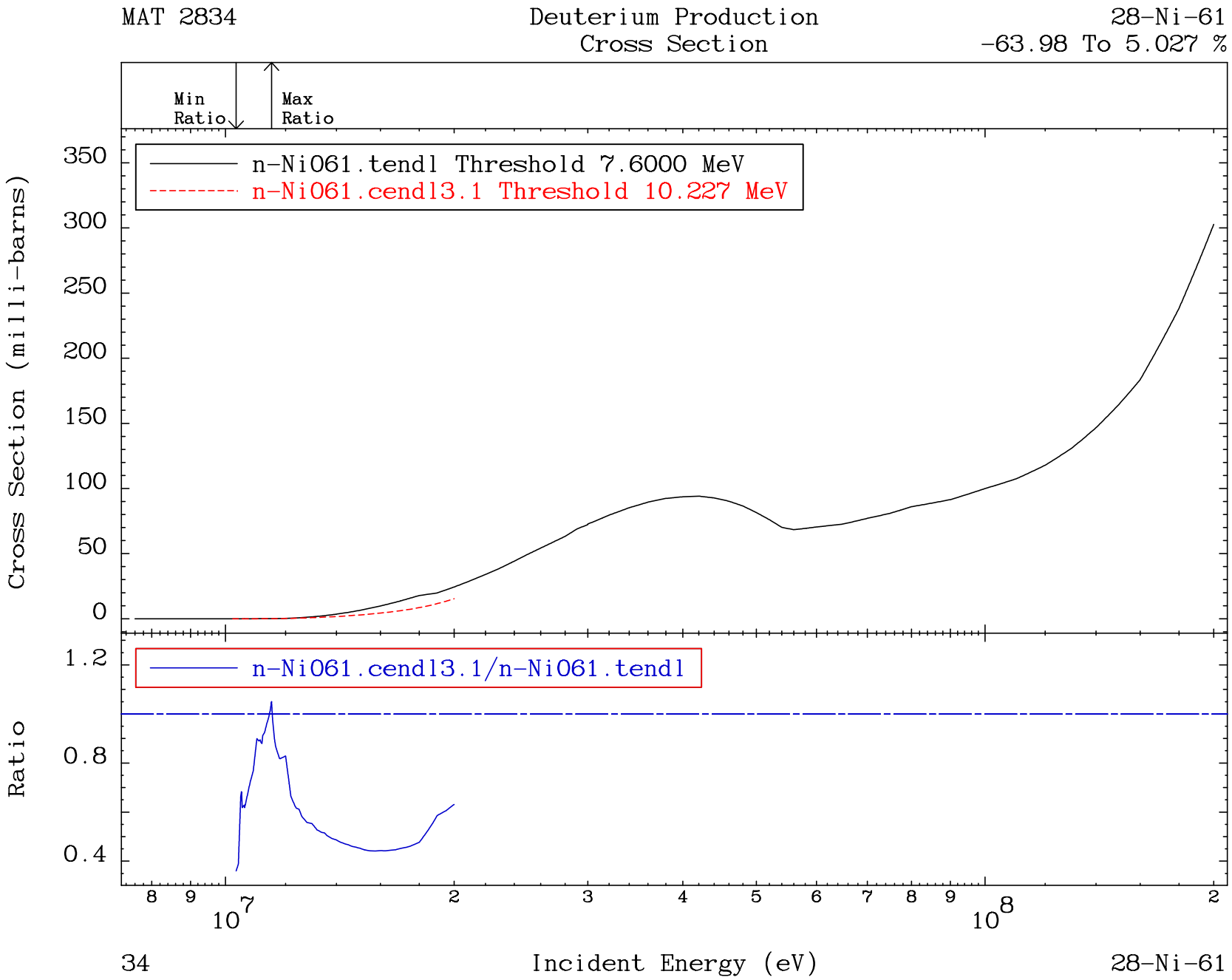

MAT 2834
(n,d)
Cross Section
28-Ni-61
-63.98 To 5.027 %
Min Ratio
Max Ratio
n-Ni061.tendl Threshold 7.7624 MeV
n-Ni061.cendl3.1 Threshold 10.227 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
1.2
0.8
0.4
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
29
Incident Energy (eV)
28-Ni-61

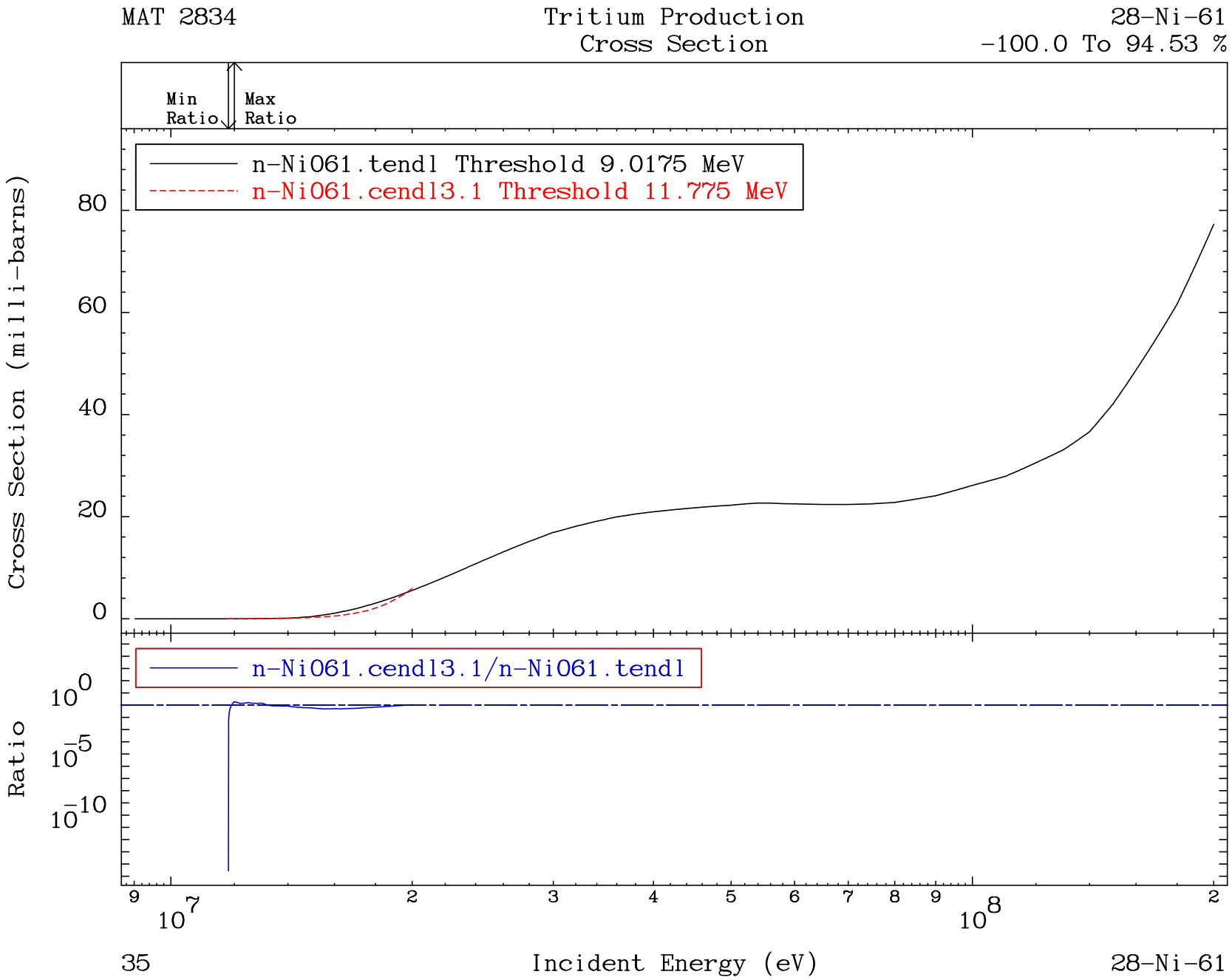

MAT 2834
(n,t)
Cross Section
28-Ni-61
-50.13 To 94.53 %
Max Ratio
Min Ratio
n-Ni061.tendl Threshold 9.0175 MeV
n-Ni061.cendl3.1 Threshold 11.800 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
12
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
0.5
1.0
1.5
2.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
30
Incident Energy (eV)
28-Ni-61

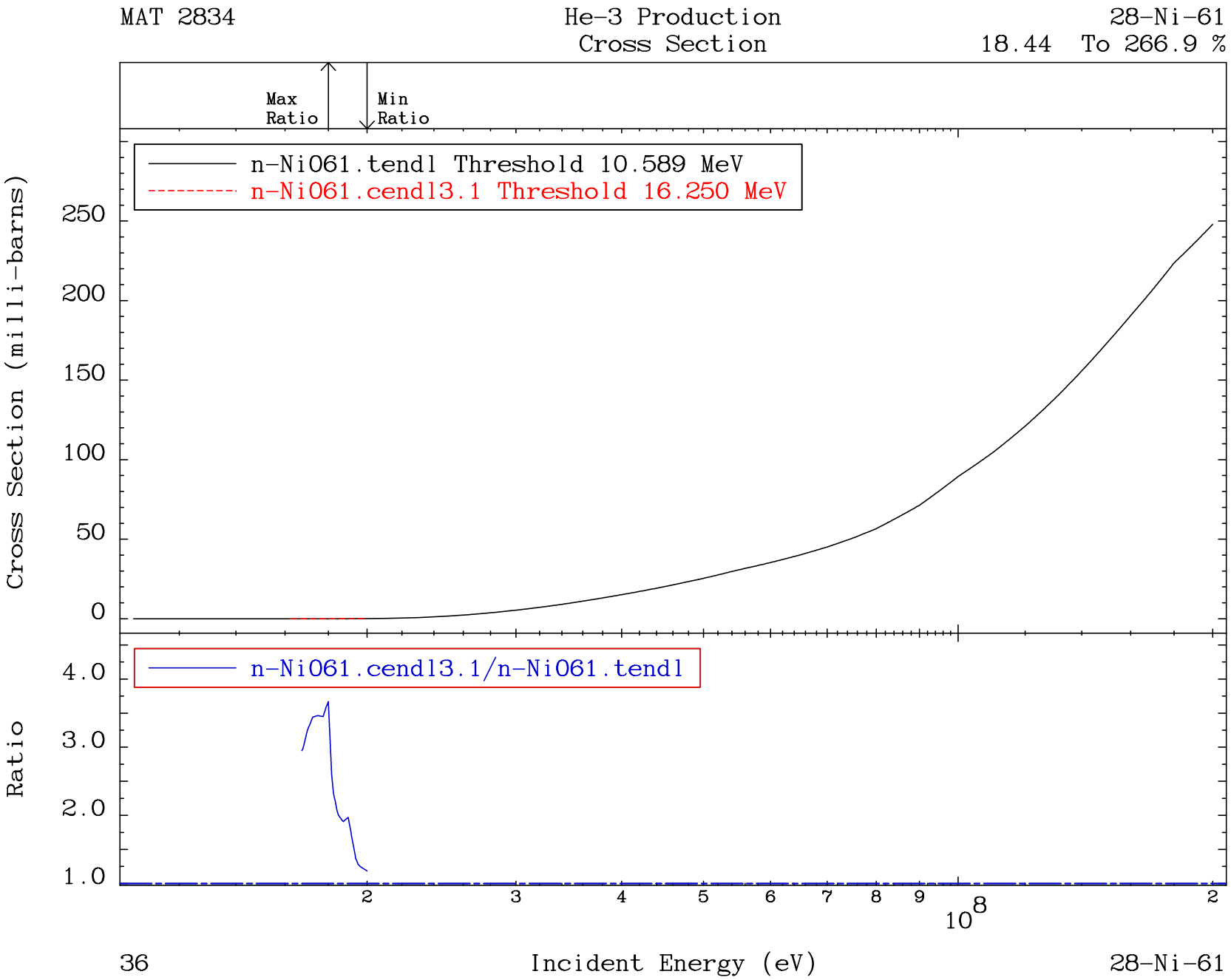

MAT 2834
(n,He-3)
Cross Section
28-Ni-61
18.44 To 266.9 %
Max Ratio
Min Ratio
n-Ni061.tendl Threshold 10.589 MeV
n-Ni061.cendl3.1 Threshold 16.250 MeV
Cross Section (milli-barns)
0
1
2
3
4
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
1.0
2.0
3.0
4.0
2
3
4
5
6
7
8
9
10^8
2
31
Incident Energy (eV)
28-Ni-61

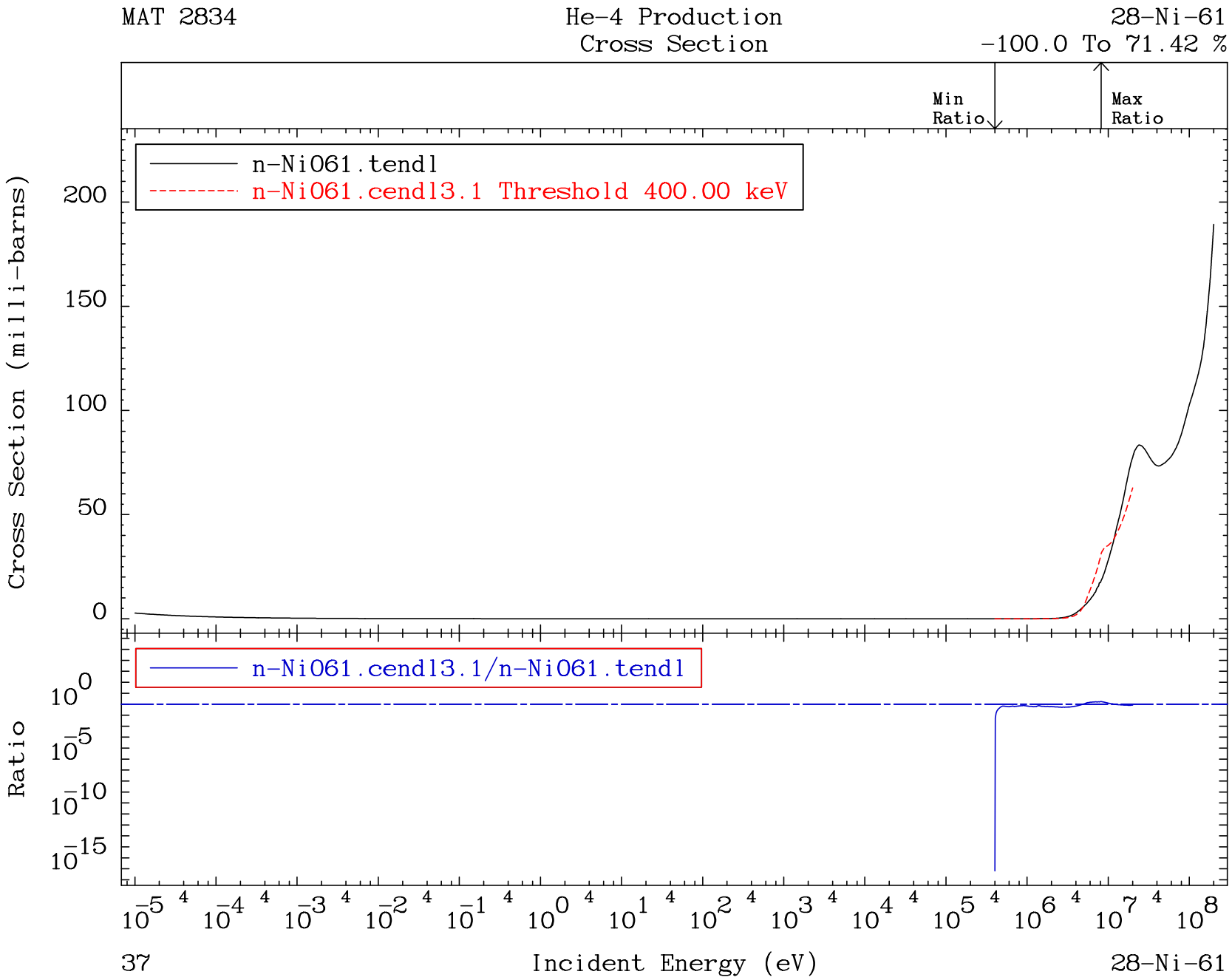

MAT 2834
(n,α)
Cross Section
28-Ni-61
-94.68 To 71.42 %
Min Ratio
Max Ratio
n-Ni061.tendl
n-Ni061.cendl3.1 Threshold 400.00 keV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
10^0
10^-1
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
32
Incident Energy (eV)
28-Ni-61

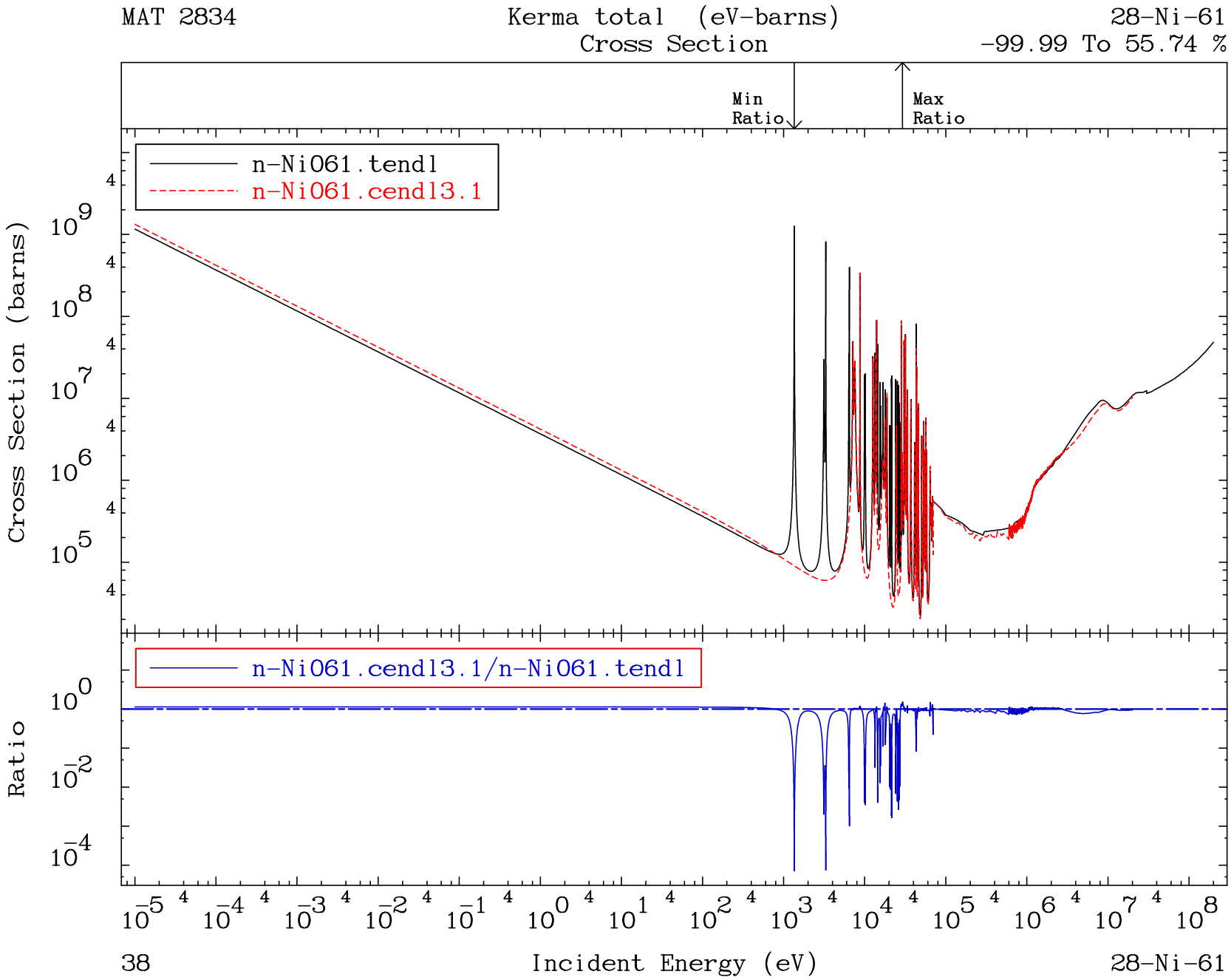

MAT 2834
Hydrogen Production
Cross Section
28-Ni-61
-96.67 To 116.0 %
Min Ratio
Max Ratio
n-Ni061.tendl Threshold 550.45 keV
n-Ni061.cendl3.1 Threshold 1.6363 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
$10^{0}$
$10^{-1}$
$10^{6}$
$10^{7}$
$10^{8}$
Incident Energy (eV)
33
28-Ni-61

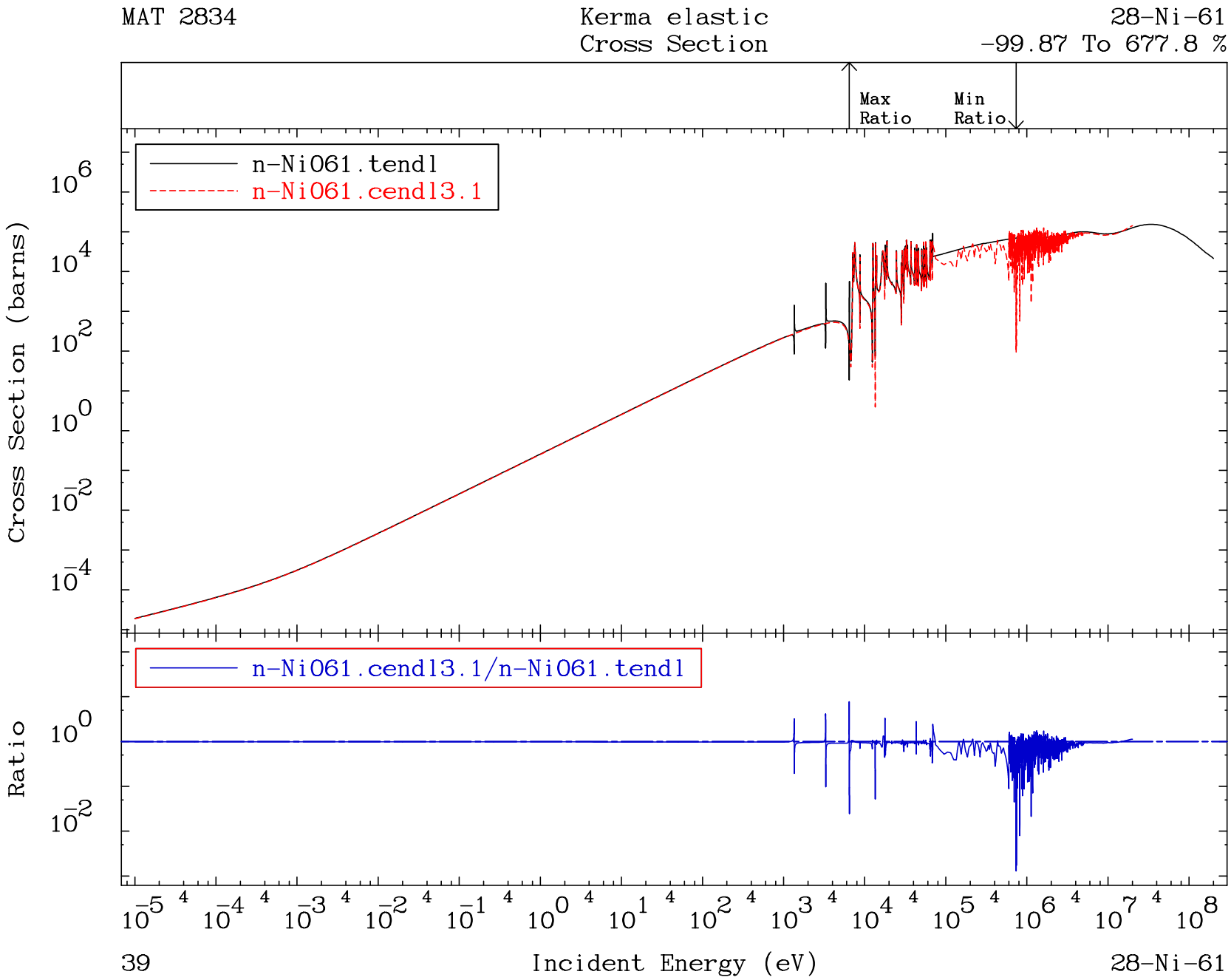

MAT 2834
Deuterium Production
Cross Section
28-Ni-61
-63.98 To 5.027 %
Min Ratio
Max Ratio
n-Ni061.tendl Threshold 7.6000 MeV
n-Ni061.cendl3.1 Threshold 10.227 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
1.2
0.8
0.4
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
34
Incident Energy (eV)
28-Ni-61

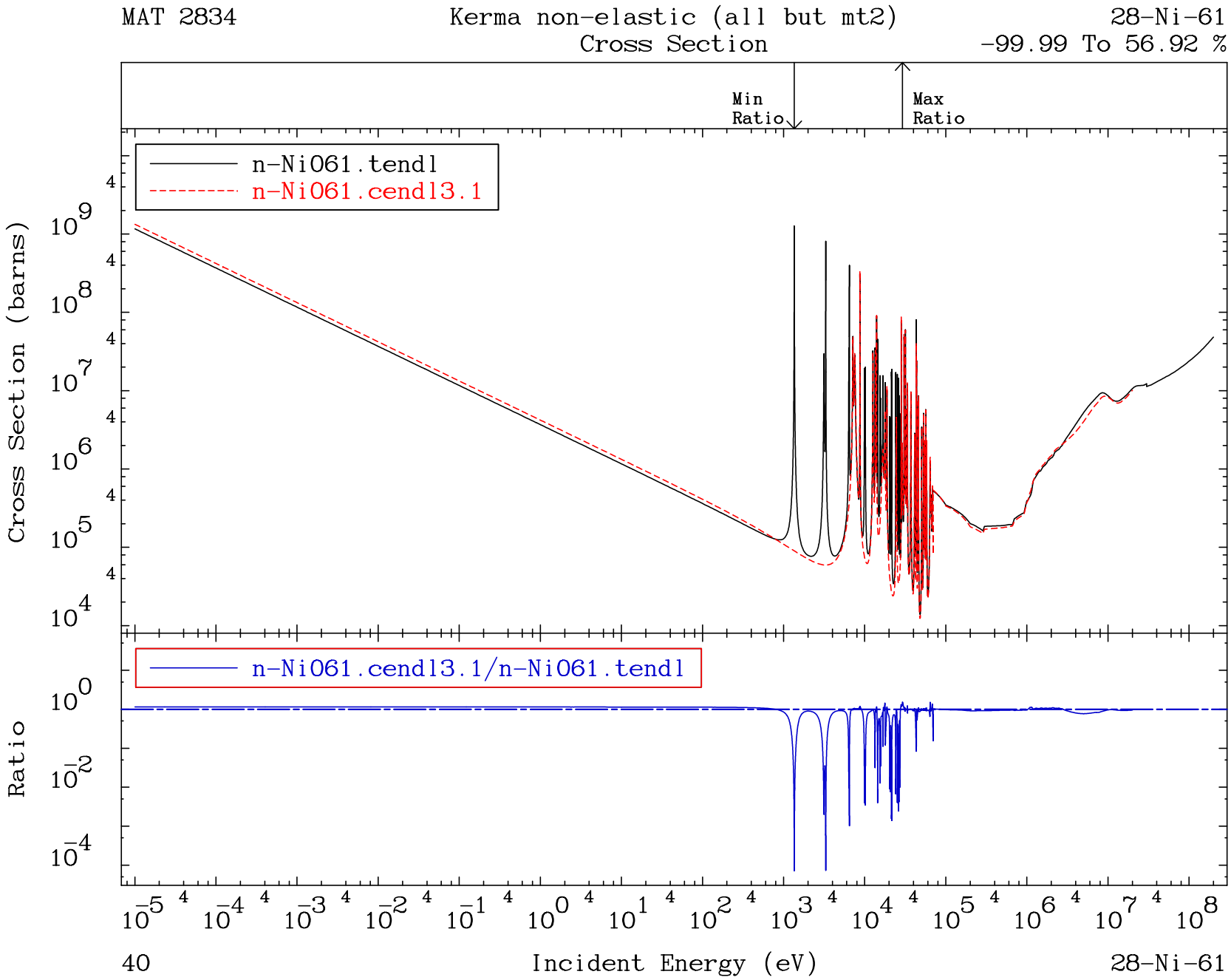

MAT 2834
Tritium Production
Cross Section
28-Ni-61
-100.0 To 94.53 %
Min Ratio
Max Ratio
n-Ni061.tendl Threshold 9.0175 MeV
n-Ni061.cendl3.1 Threshold 11.775 MeV
Cross Section (milli-barns)
0
20
40
60
80
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
10^0
10^-5
10^-10
9
10^7
2
3
4
5
6
7
8
9
10^8
2
35
Incident Energy (eV)
28-Ni-61

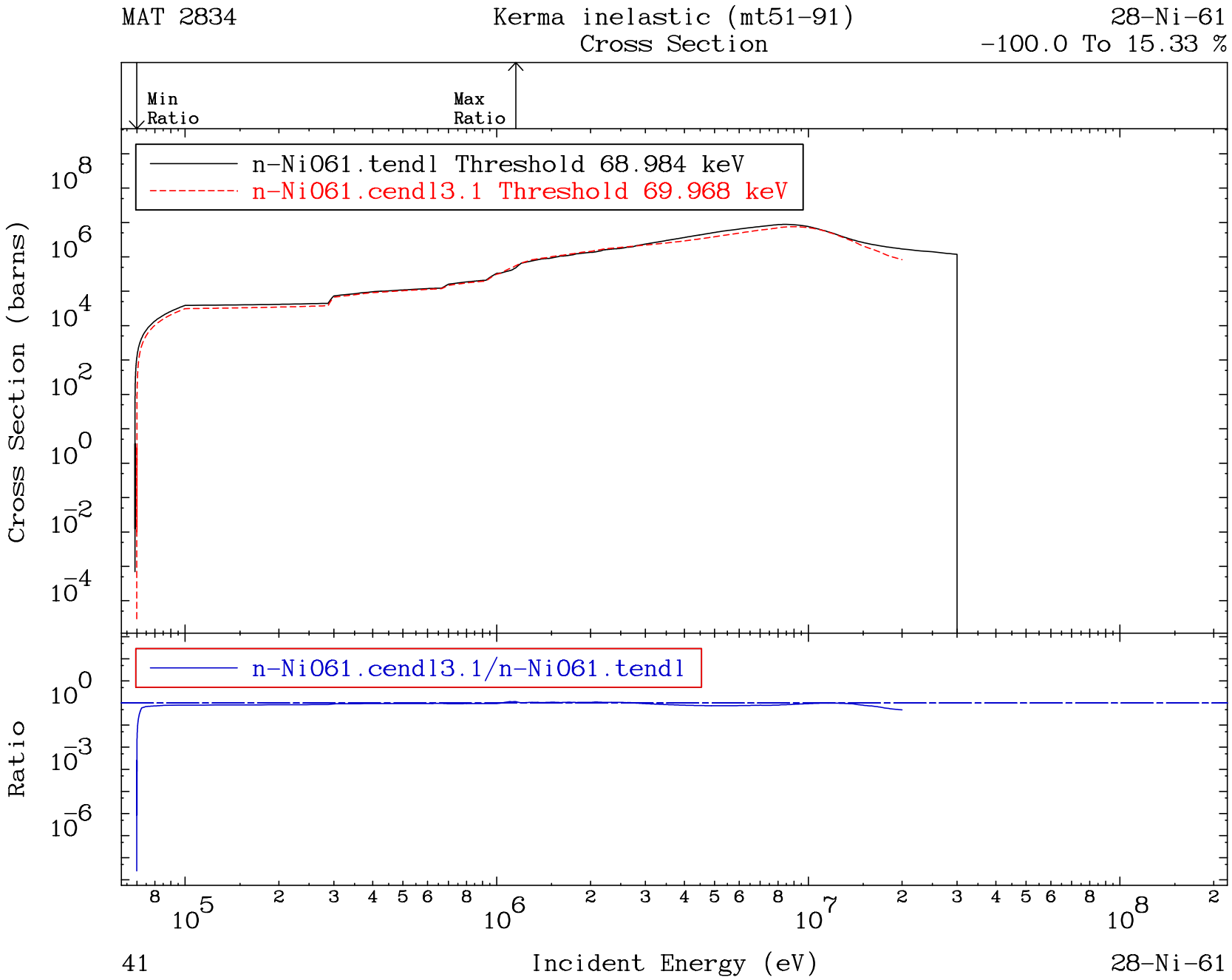

MAT 2834
He-3 Production
Cross Section
28-Ni-61
18.44 To 266.9 %
Max Ratio
Min Ratio
n-Ni061.tendl Threshold 10.589 MeV
n-Ni061.cendl3.1 Threshold 16.250 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
4.0
3.0
2.0
1.0
2
3
4
5
6
7
8
9
10^8
2
36
Incident Energy (eV)
28-Ni-61

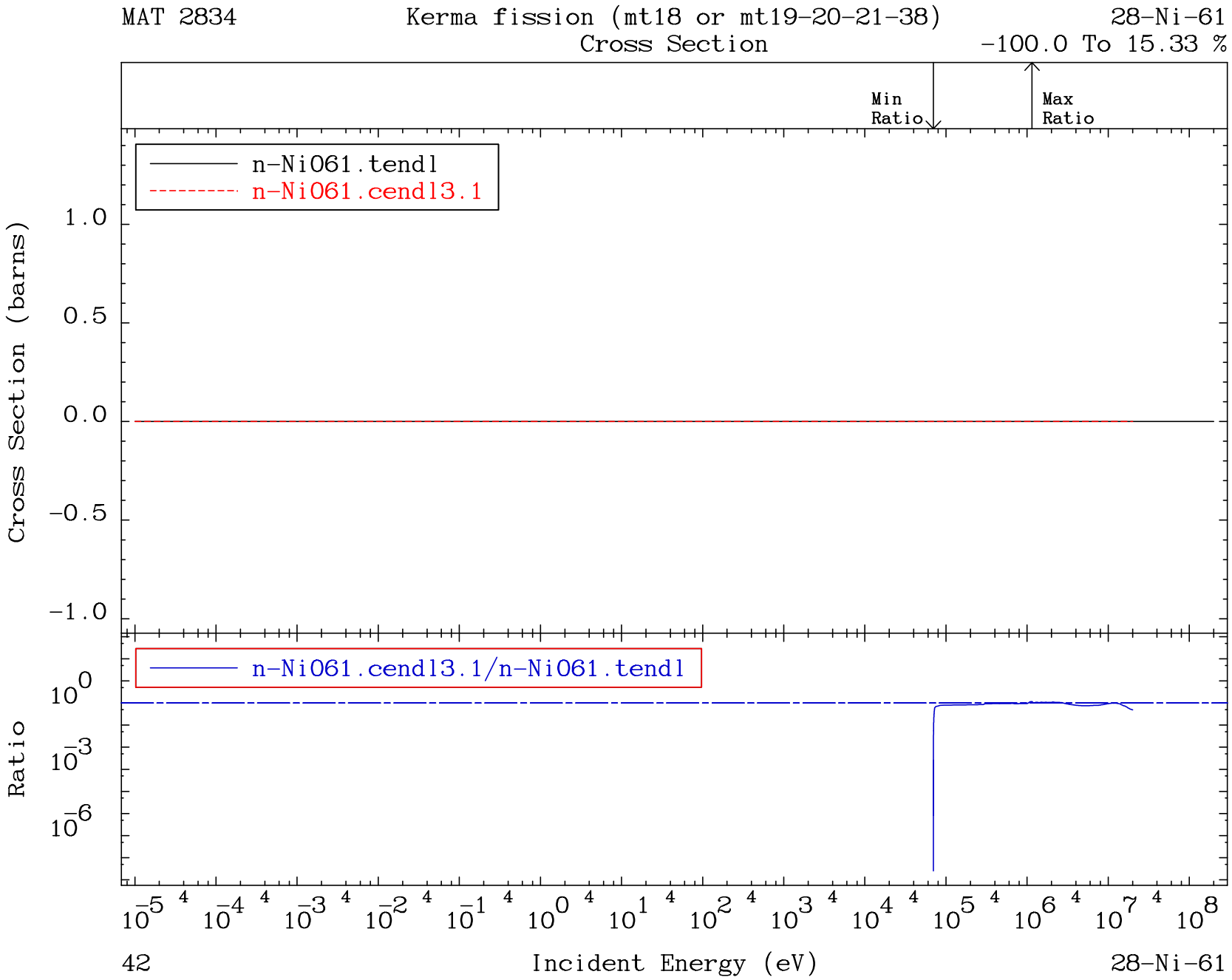

MAT 2834
He-4 Production
Cross Section
28-Ni-61
-100.0 To 71.42 %
Min Ratio
Max Ratio
n-Ni061.tendl
n-Ni061.cendl3.1 Threshold 400.00 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
10^0
10^-5
10^-10
10^-15
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
37
Incident Energy (eV)
28-Ni-61

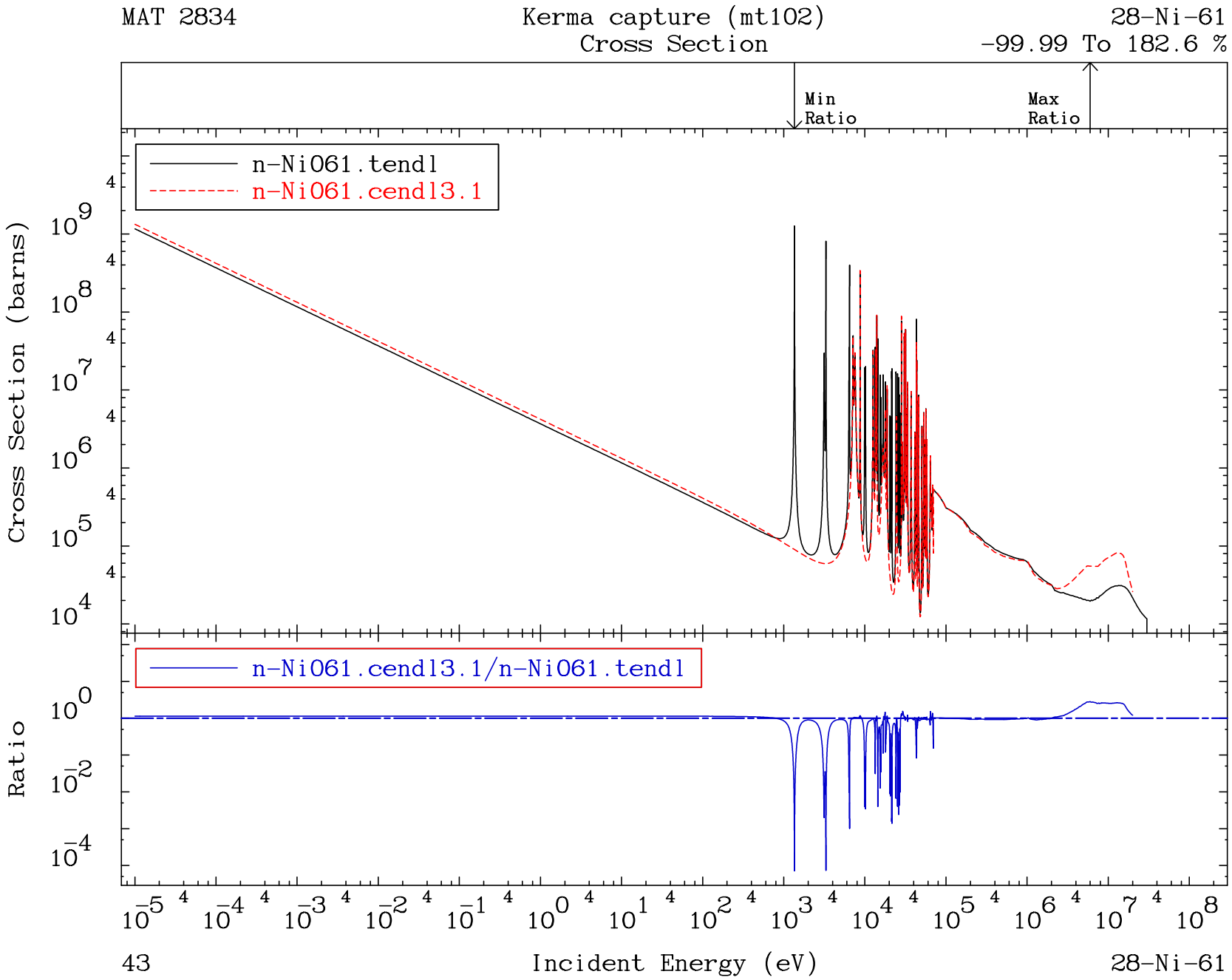

MAT 2834
Kerma total (eV-barns)
Cross Section
28-Ni-61
-99.99 To 55.74 %
Min Ratio
Max Ratio
n-Ni061.tendl
n-Ni061.cendl3.1
Cross Section (barns)
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
Incident Energy (eV)
38
28-Ni-61

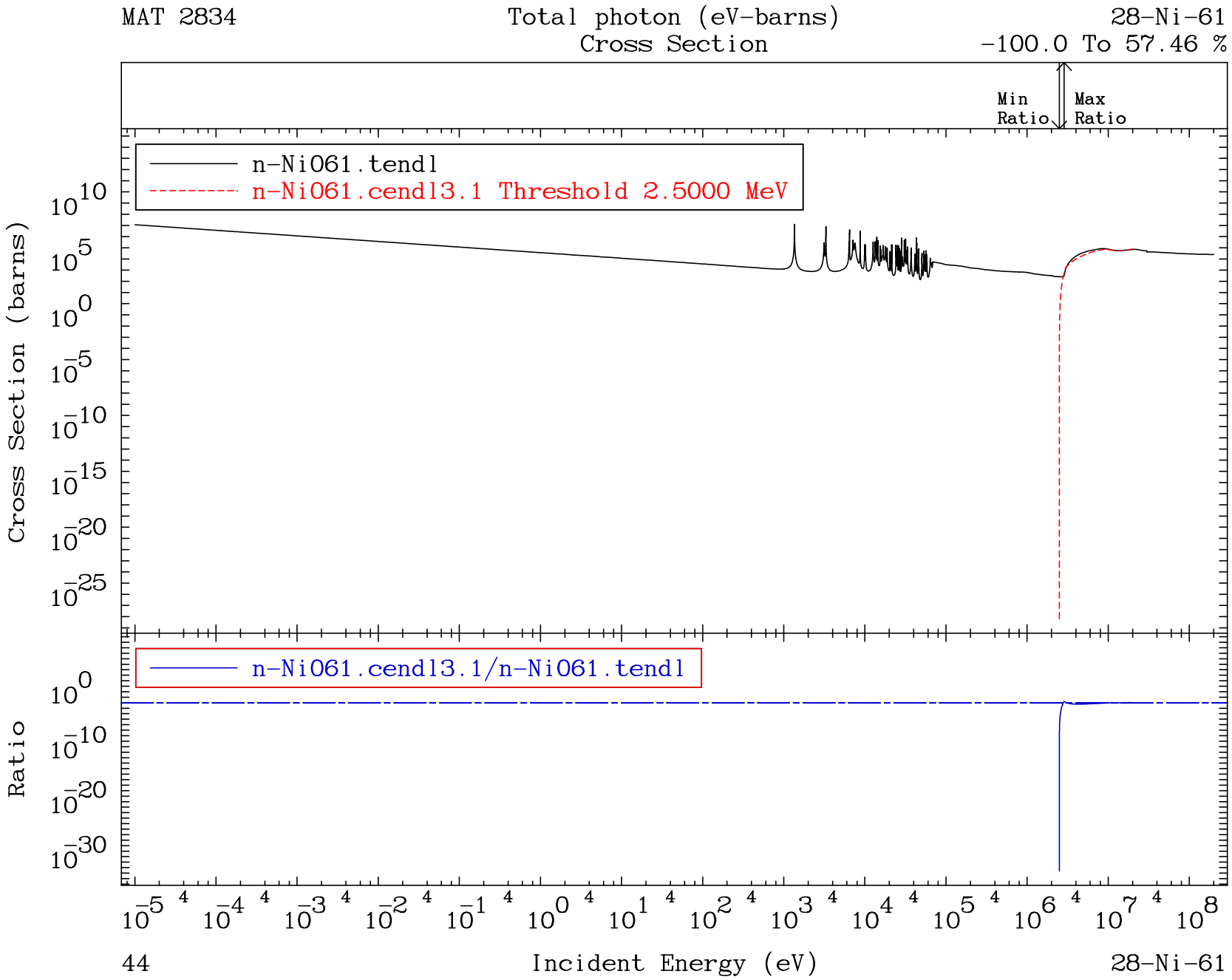

MAT 2834
Kerma elastic
Cross Section
28-Ni-61
-99.87 To 677.8 %
Max Ratio
Min Ratio
n-Ni061.tendl
n-Ni061.cendl3.1
Cross Section (barns)
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
Incident Energy (eV)
39
28-Ni-61

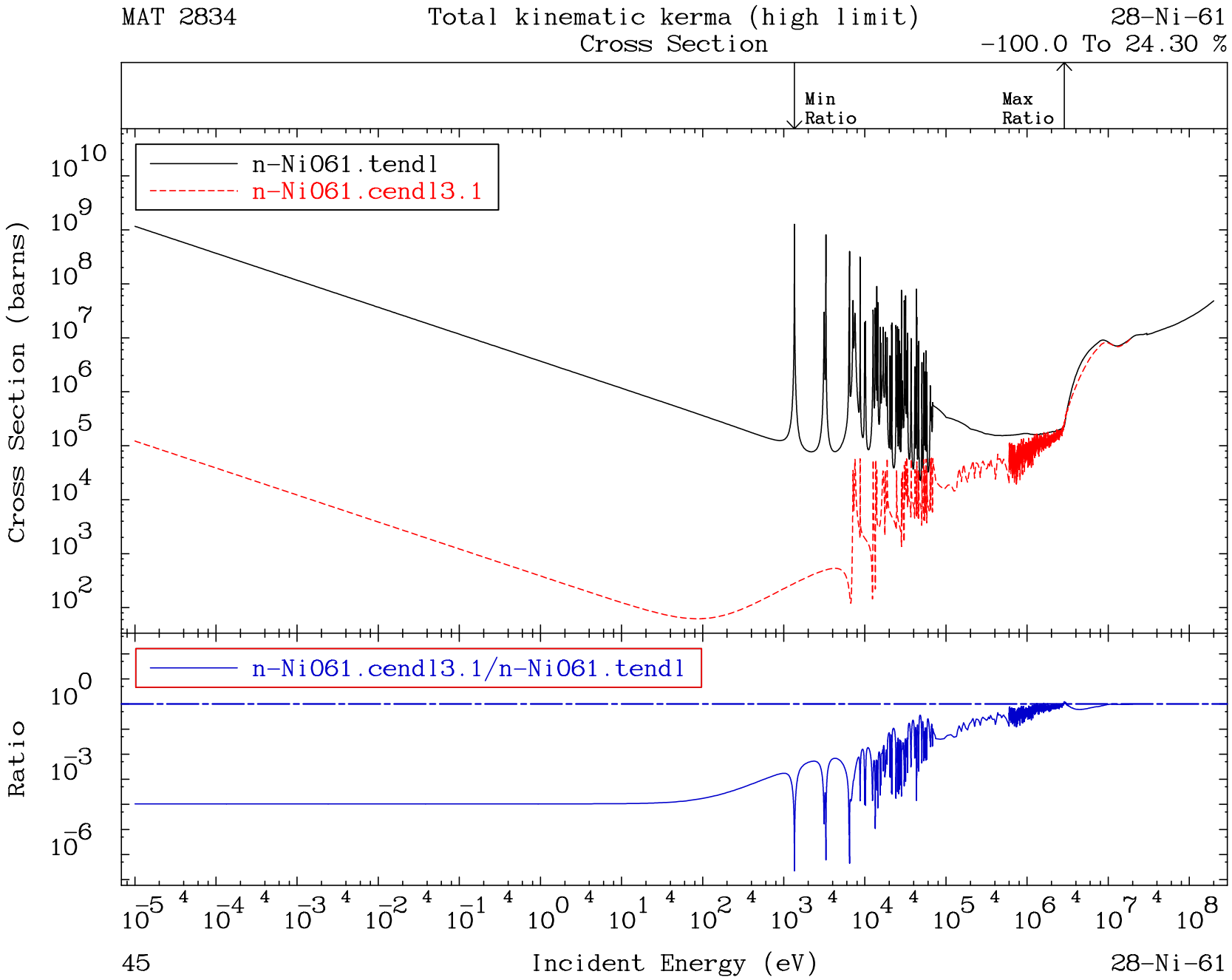

MAT 2834
Kerma non-elastic (all but mt2)
Cross Section
28-Ni-61
-99.99 To 56.92 %
Min Ratio
Max Ratio
n-Ni061.tendl
n-Ni061.cendl3.1
Cross Section (barns)
Ratio
n-Ni061.cendl3.1/n-Ni061.tendl
Incident Energy (eV)
40
28-Ni-61

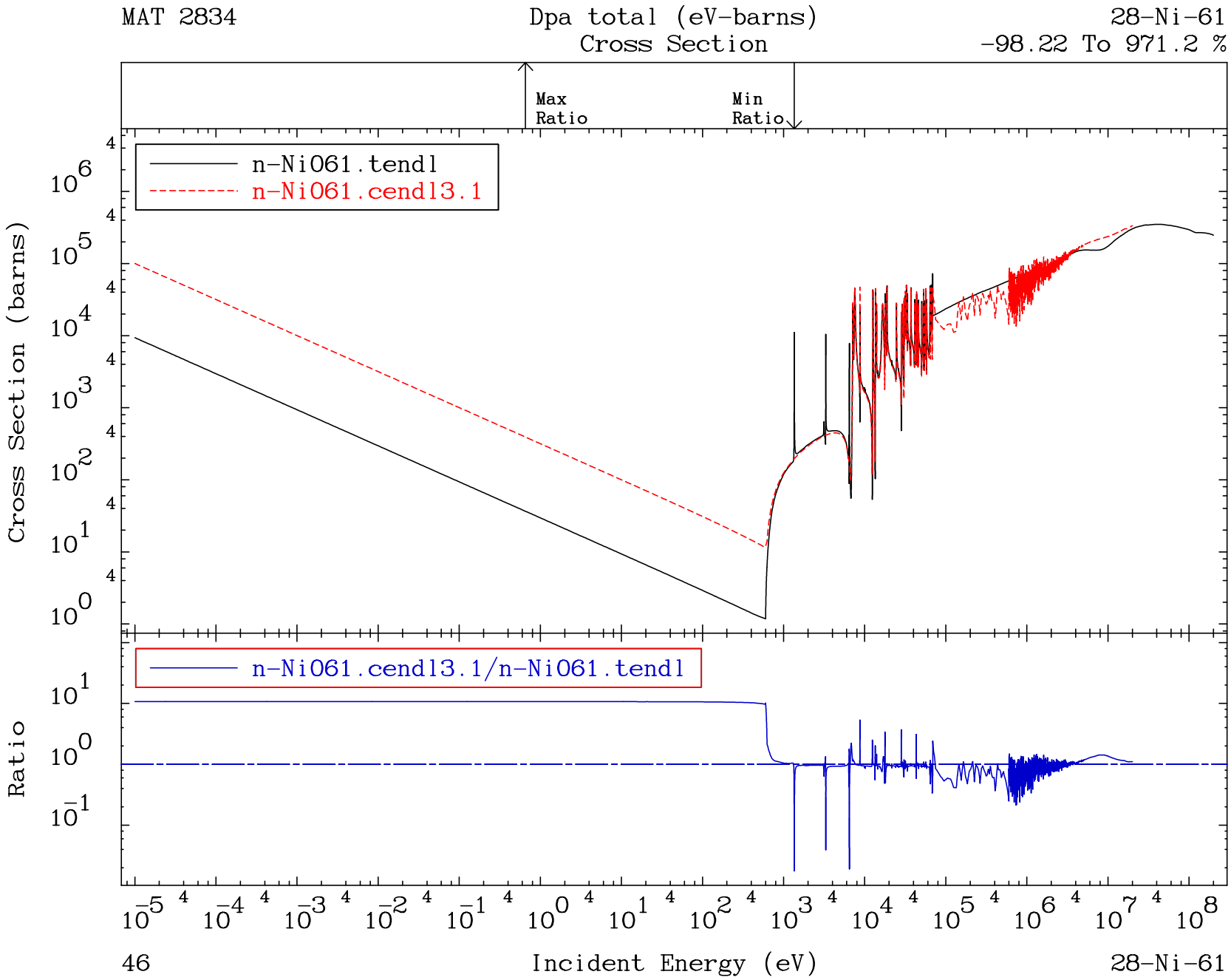

MAT 2834
Kerma inelastic (mt51-91)
Cross Section
28-Ni-61
-100.0 To 15.33 %
Min Ratio
Max Ratio
n-Ni061.tendl Threshold 68.984 keV
n-Ni061.cendl3.1 Threshold 69.968 keV
Cross Section (barns)
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
Incident Energy (eV)
41
28-Ni-61

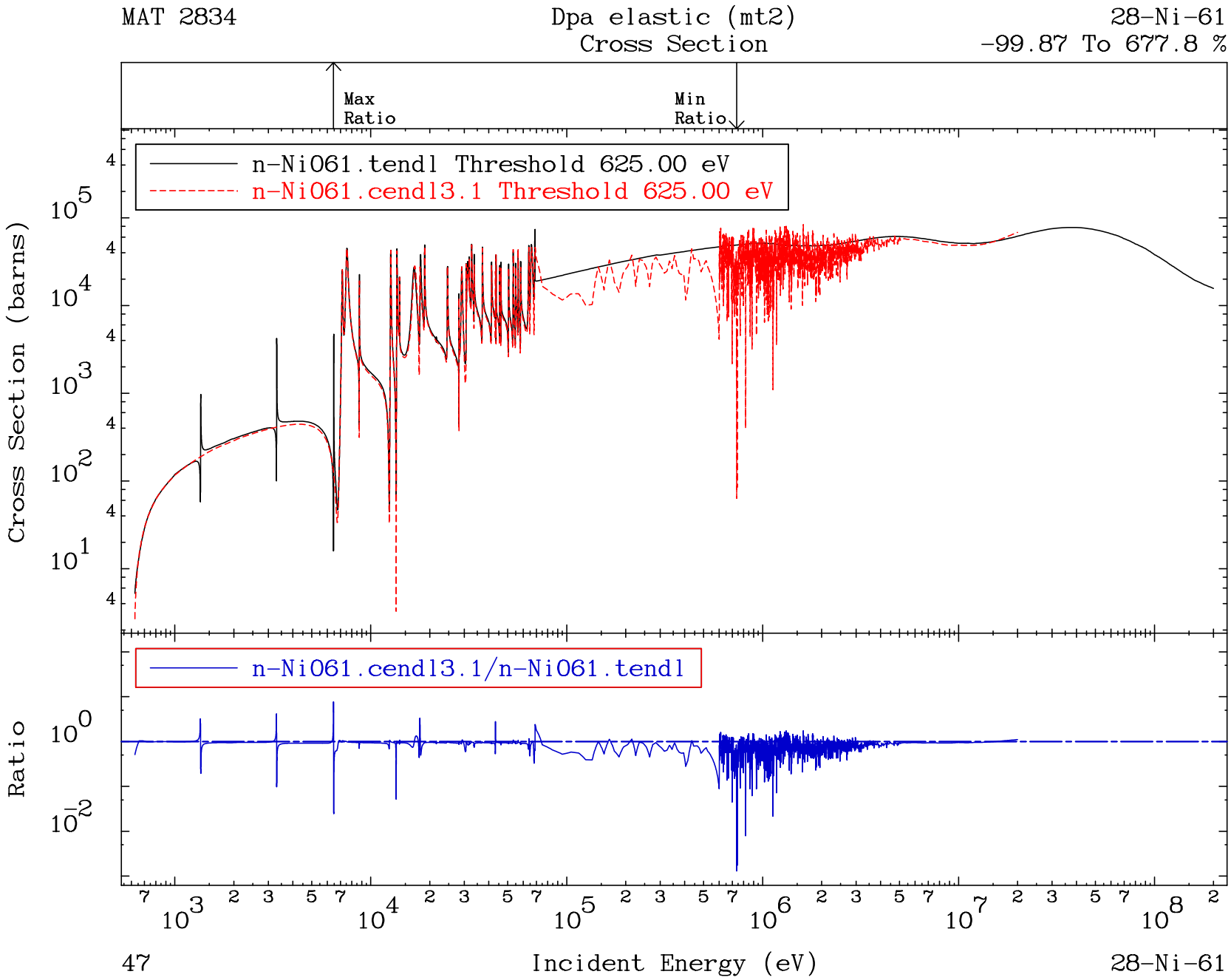

MAT 2834
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
28-Ni-61
-100.0 To 15.33 %
Min Ratio
Max Ratio
n-Ni061.tendl
n-Ni061.cendl3.1
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
10^0
10^-3
10^-6
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
42
Incident Energy (eV)
28-Ni-61

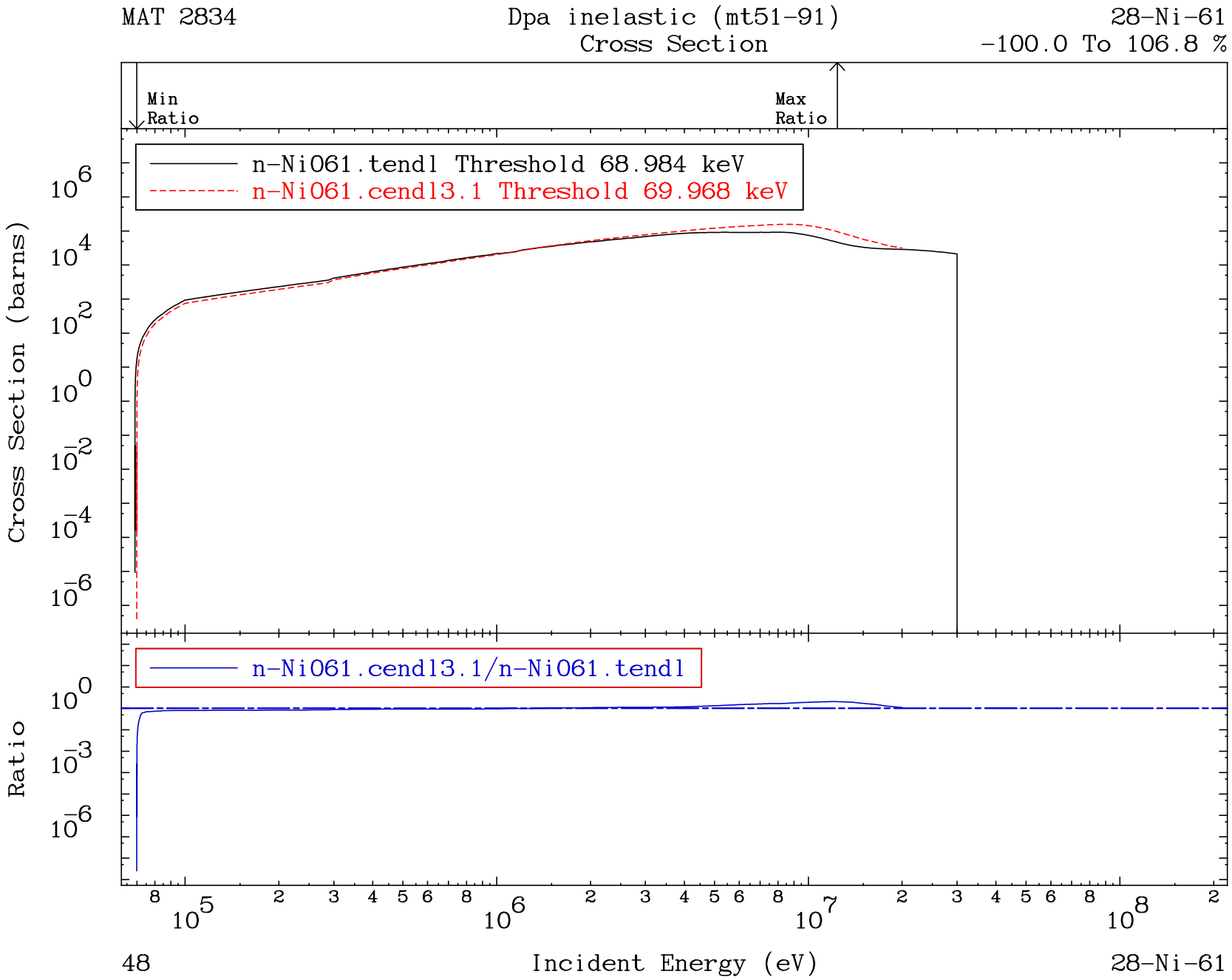

MAT 2834
Kerma capture (mt102)
Cross Section
28-Ni-61
-99.99 To 182.6 %
Min Ratio
Max Ratio
n-Ni061.tendl
n-Ni061.cendl3.1
Cross Section (barns)
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
Incident Energy (eV)
43
28-Ni-61

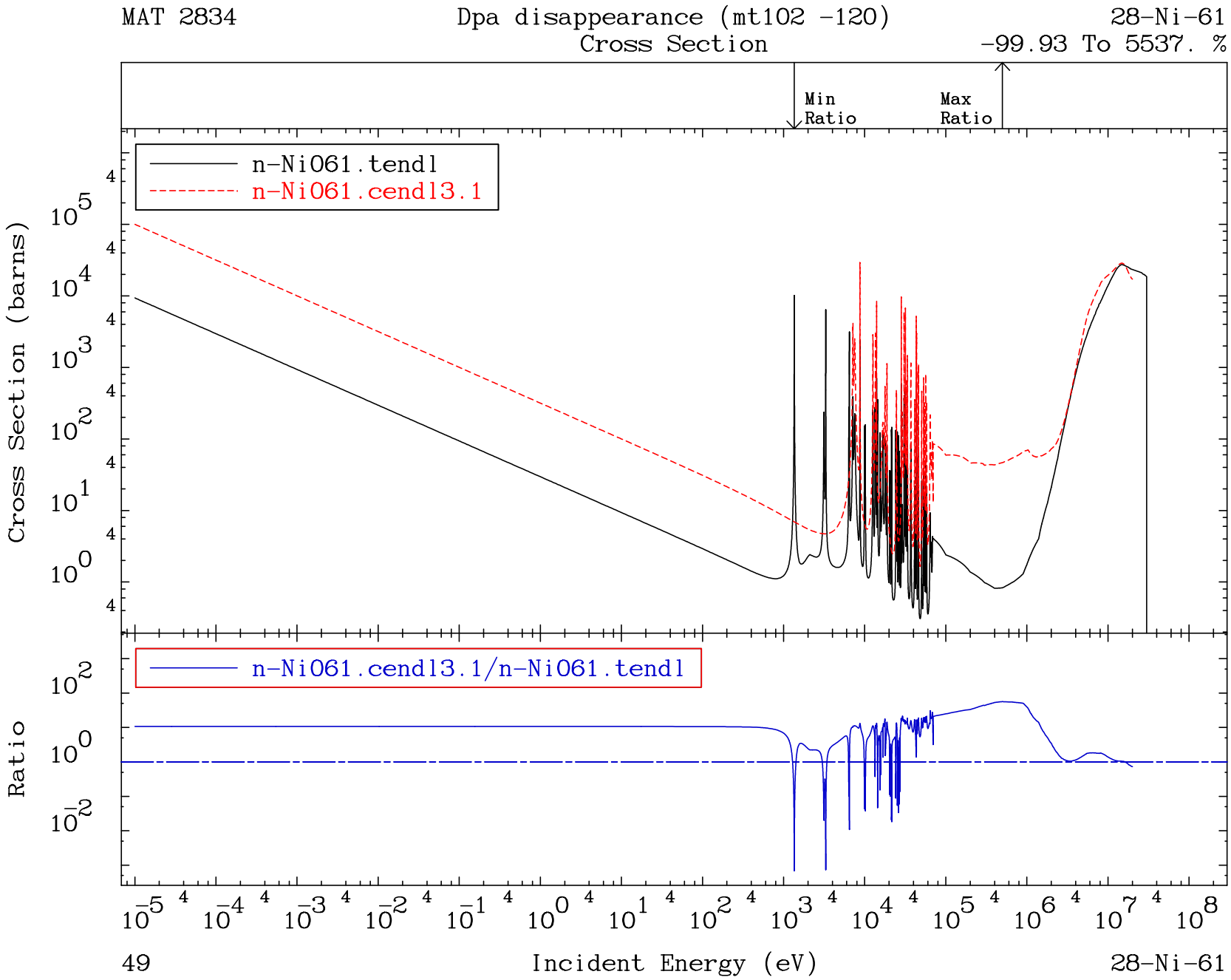

MAT 2834
Total photon (eV-barns)
Cross Section
28-Ni-61
-100.0 To 57.46 %
Min Ratio
Max Ratio
n-Ni061.tendl
n-Ni061.cendl3.1 Threshold 2.5000 MeV
Cross Section (barns)
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
Incident Energy (eV)
44
28-Ni-61


MAT 2834
Total kinematic kerma (high limit)
Cross Section
28-Ni-61
-100.0 To 24.30 %
Min Ratio
Max Ratio
n-Ni061.tendl
n-Ni061.cendl3.1
Cross Section (barns)
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
Incident Energy (eV)
45
28-Ni-61


MAT 2834
Dpa total (eV-barns)
Cross Section
28-Ni-61
-98.22 To 971.2 %
Max Ratio
Min Ratio
n-Ni061.tendl
n-Ni061.cendl3.1
Cross Section (barns)
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
Incident Energy (eV)
46
28-Ni-61


MAT 2834
Dpa elastic (mt2)
Cross Section
28-Ni-61
-99.87 To 677.8 %
Max Ratio
Min Ratio
n-Ni061.tendl Threshold 625.00 eV
n-Ni061.cendl3.1 Threshold 625.00 eV
Cross Section (barns)
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
Incident Energy (eV)
47
28-Ni-61


MAT 2834
Dpa inelastic (mt51-91)
Cross Section
28-Ni-61
-100.0 To 106.8 %
Min Ratio
Max Ratio
n-Ni061.tendl Threshold 68.984 keV
n-Ni061.cendl3.1 Threshold 69.968 keV
Cross Section (barns)
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
Incident Energy (eV)
48
28-Ni-61


MAT 2834
Dpa disappearance (mt102 -120)
Cross Section
28-Ni-61
-99.93 To 5537. %
Min Ratio
Max Ratio
n-Ni061.tendl
n-Ni061.cendl3.1
Cross Section (barns)
n-Ni061.cendl3.1/n-Ni061.tendl
Ratio
Incident Energy (eV)
49
28-Ni-61