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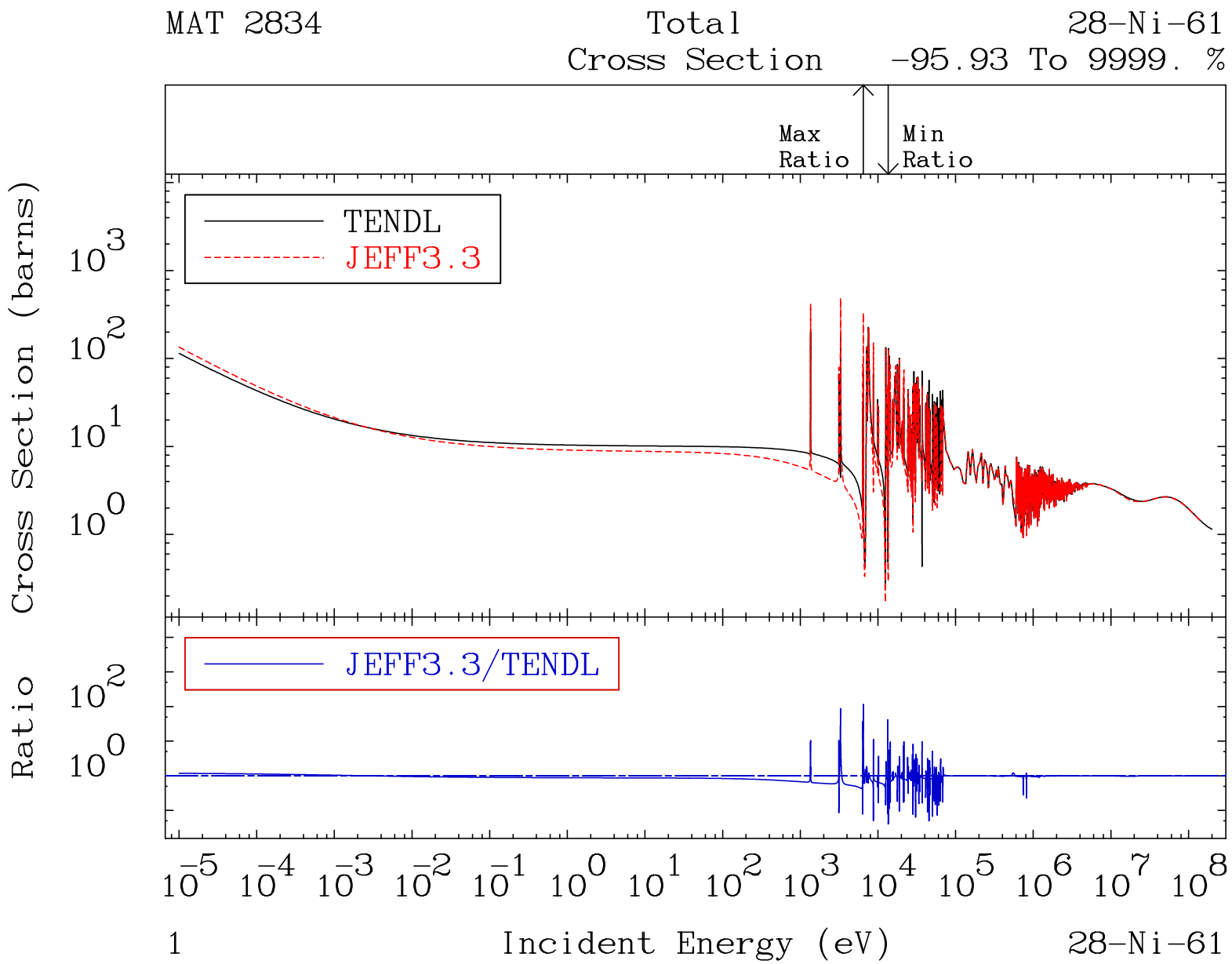
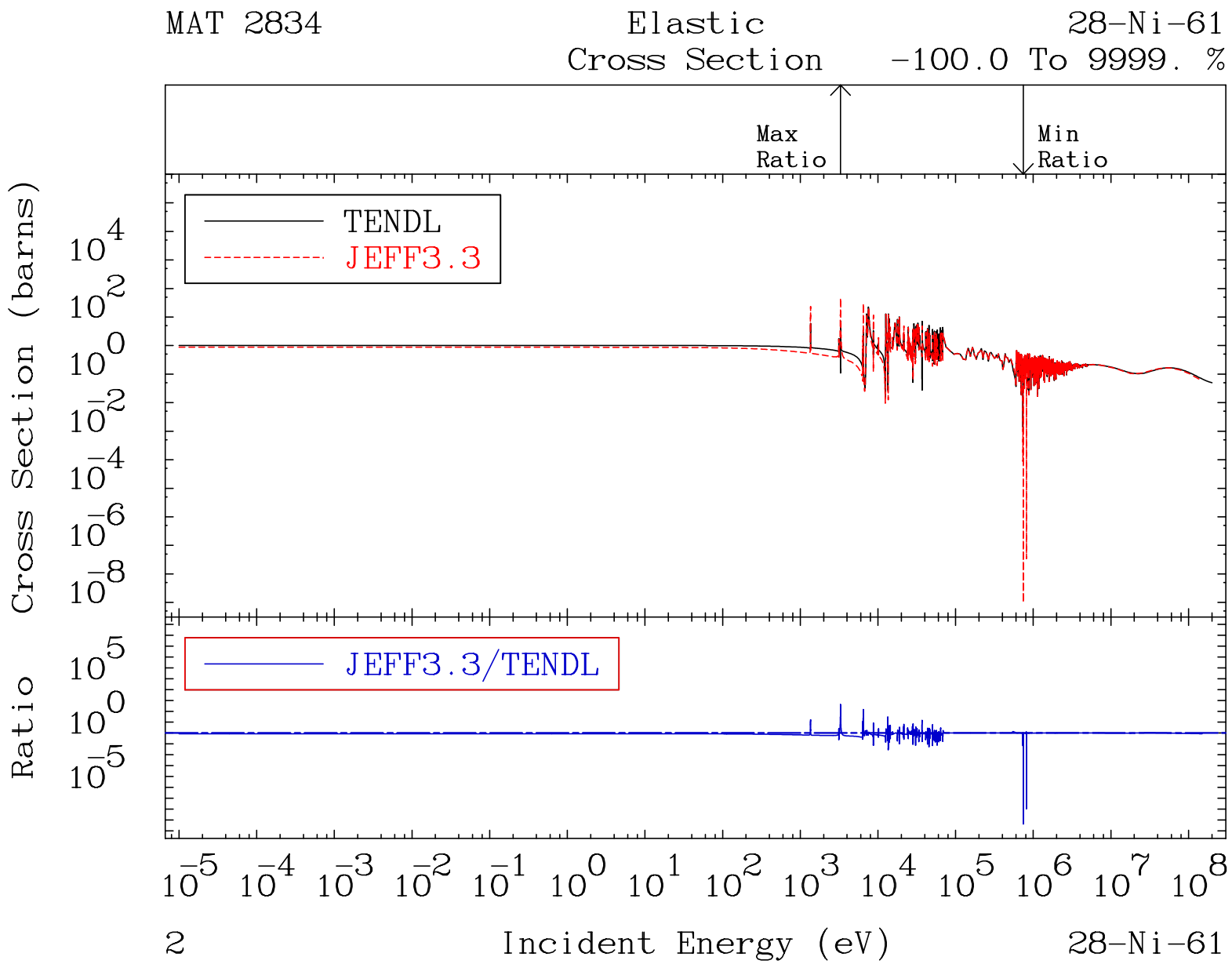
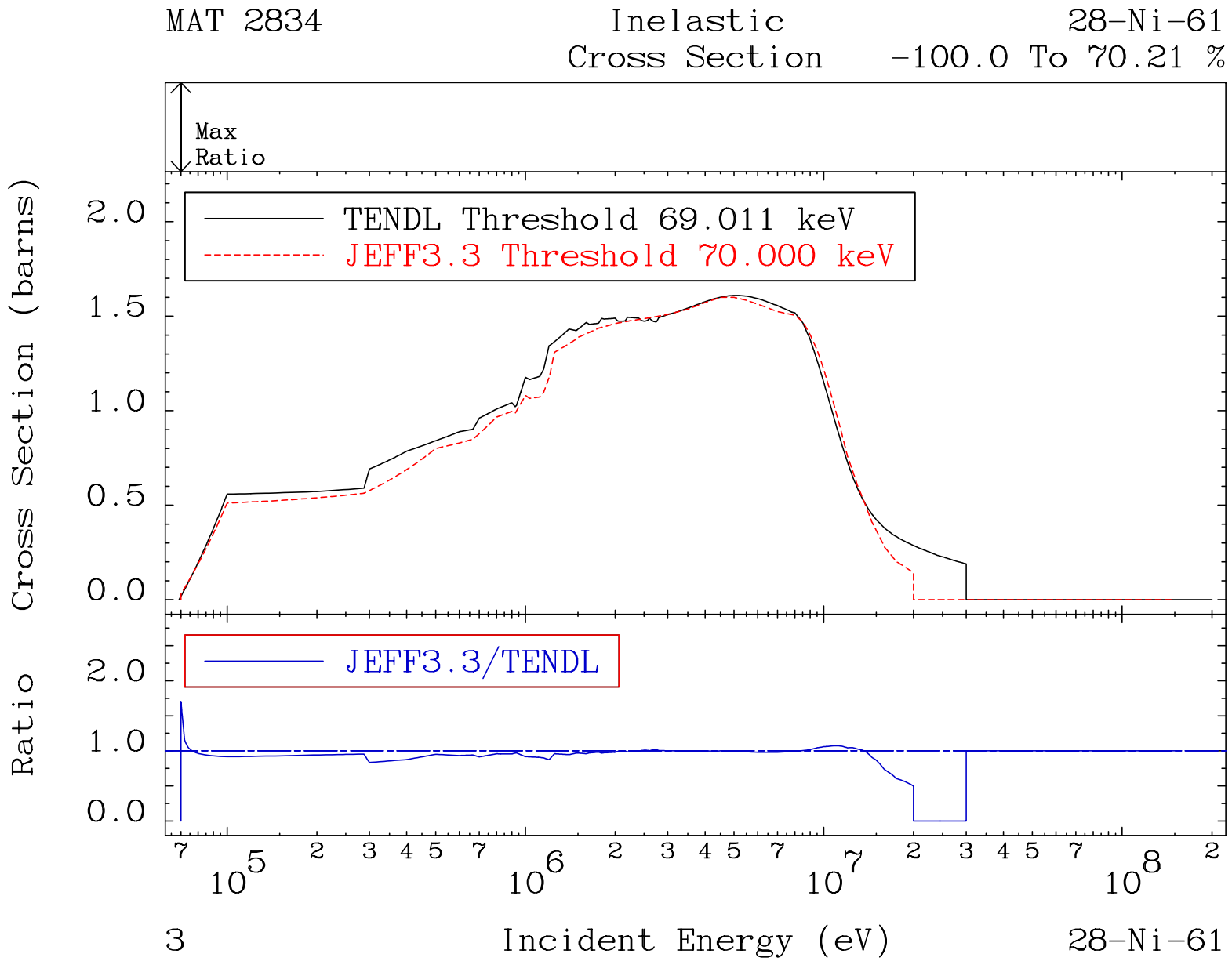
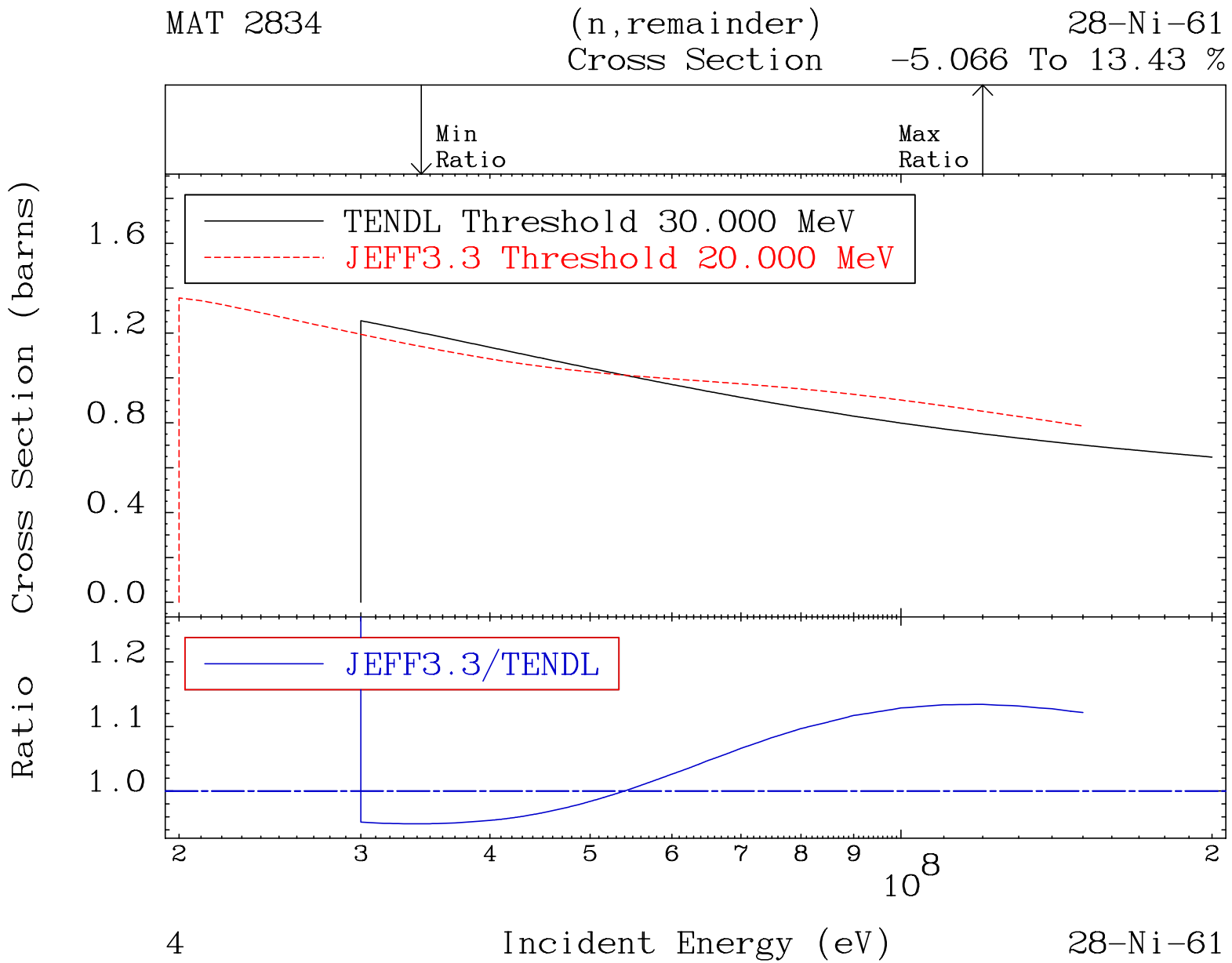
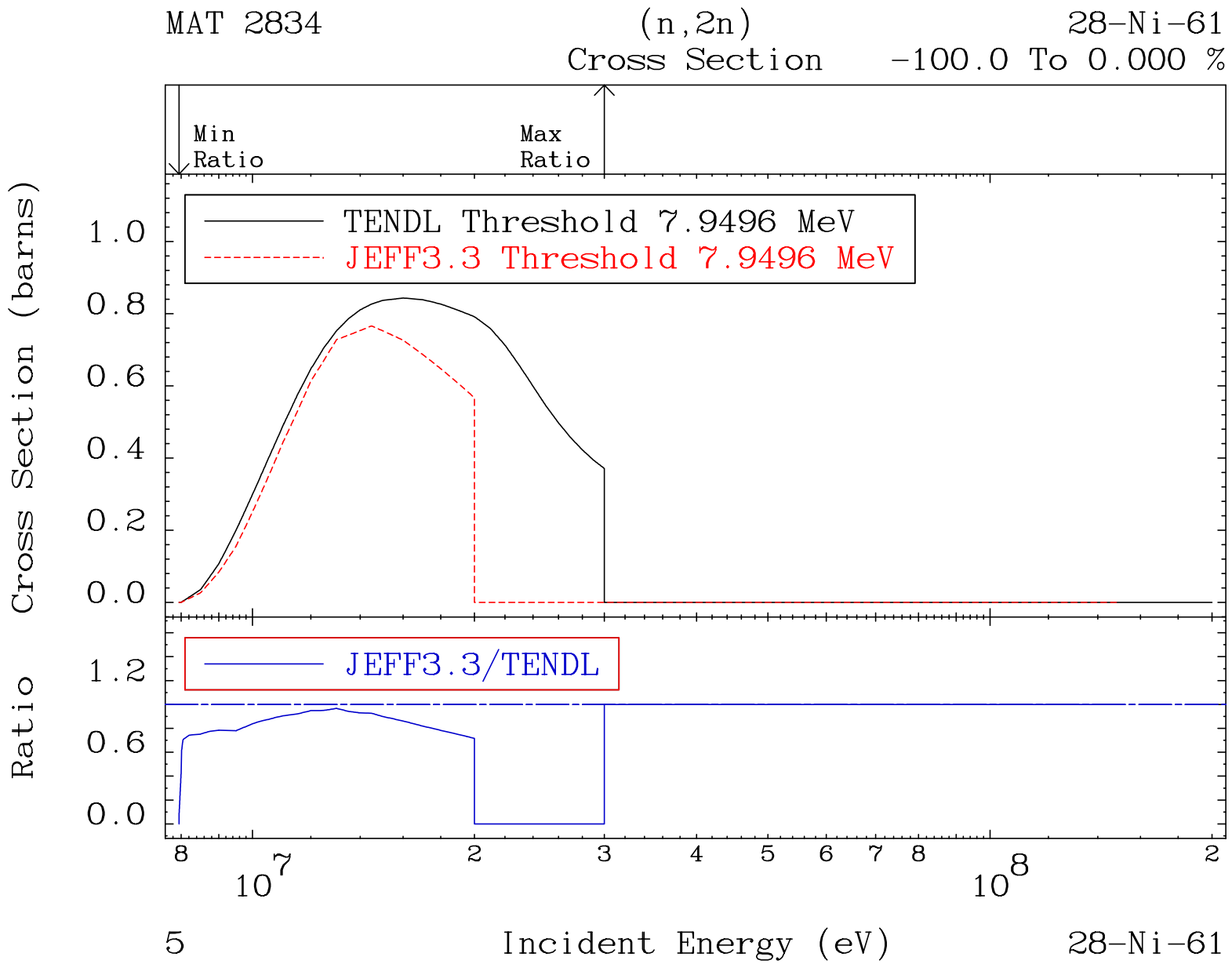
Press Mouse Button to Start

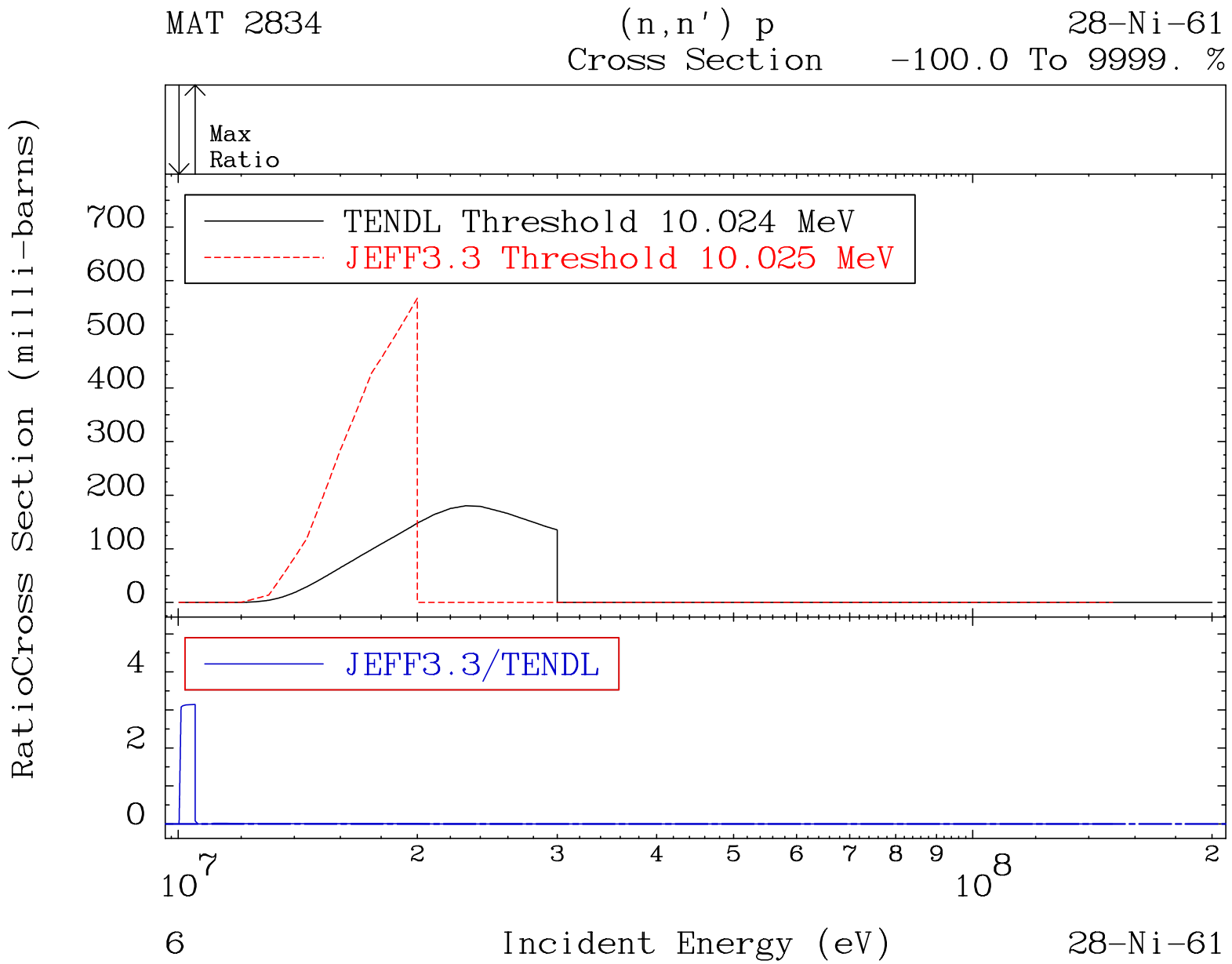

MAT 2834
Total
Cross Section
28-Ni-61
-95.93 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
28-Ni-61

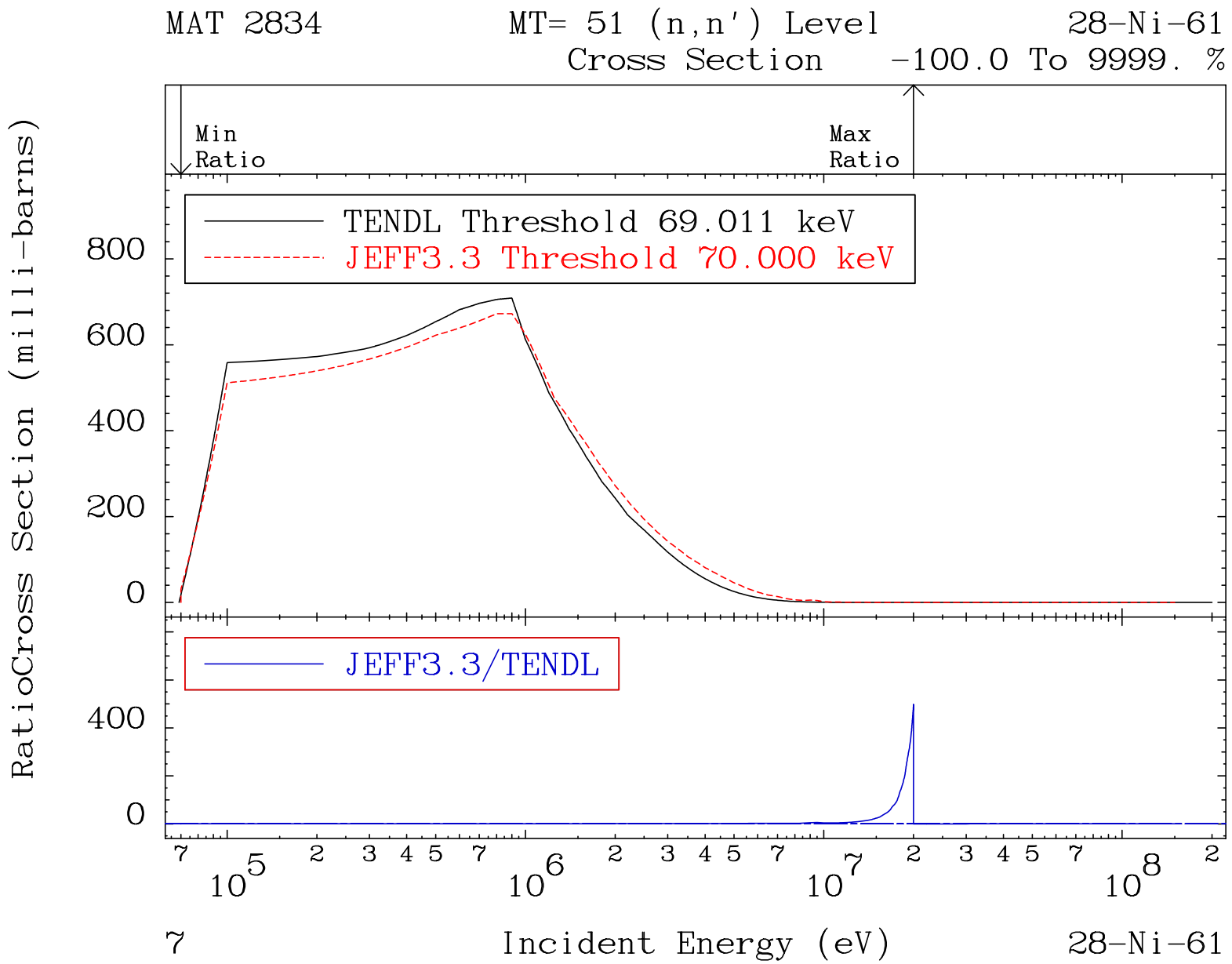

MAT 2834
Elastic
Cross Section
28-Ni-61
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
28-Ni-61

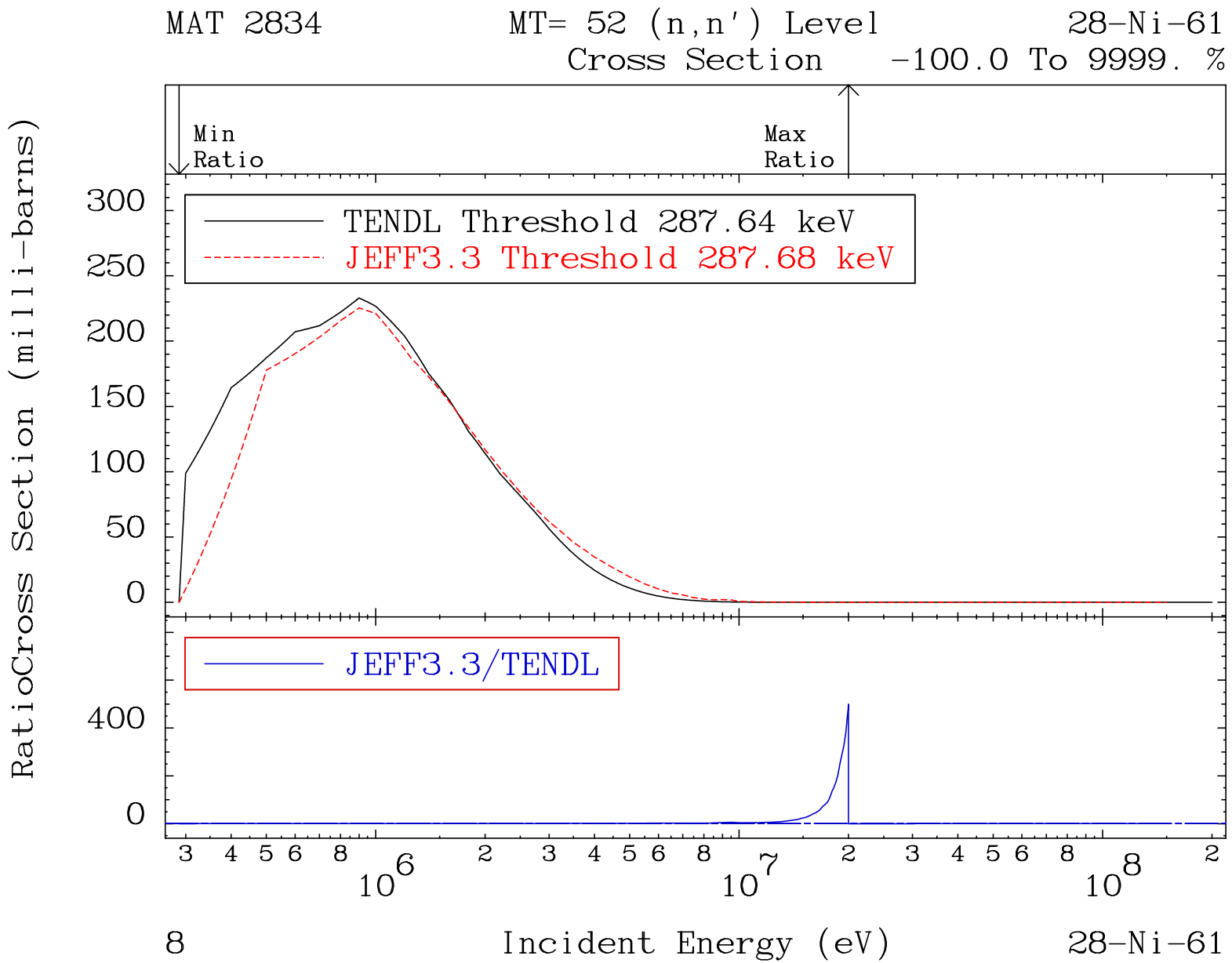

MAT 2834
Inelastic
Cross Section
28-Ni-61
-100.0 To 70.21 %
Max
Ratio
TENDL Threshold 69.011 keV
JEFF3.3 Threshold 70.000 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
7
2
3
4
5
7
10^5
10^6
10^7
10^8
Incident Energy (eV)
3
28-Ni-61

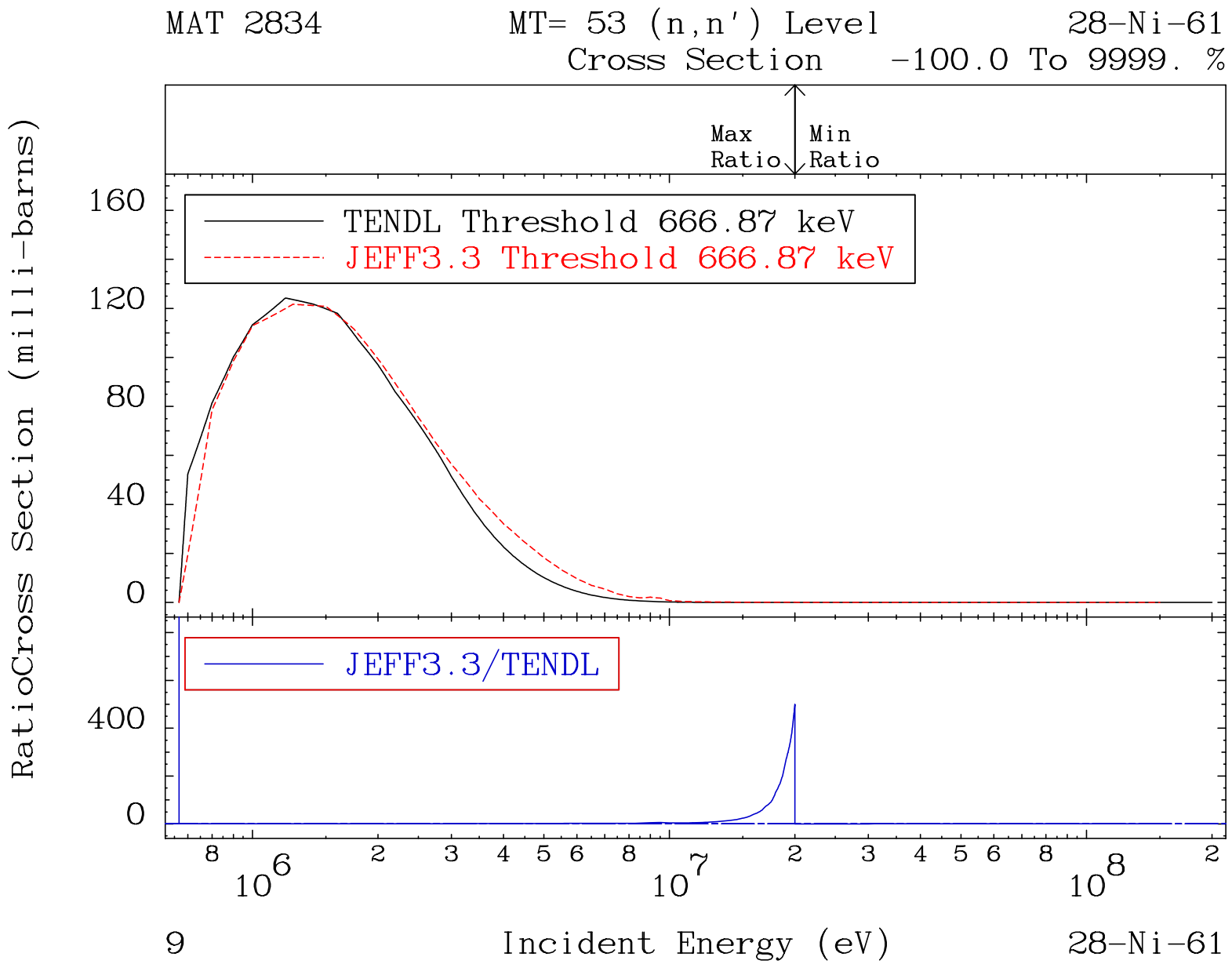

MAT 2834
(n,remainder)
Cross Section
28-Ni-61
-5.066 To 13.43 %
Min
Ratio
Max
Ratio
TENDL Threshold 30.000 MeV
JEFF3.3 Threshold 20.000 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
1.2
1.1
1.0
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
28-Ni-61

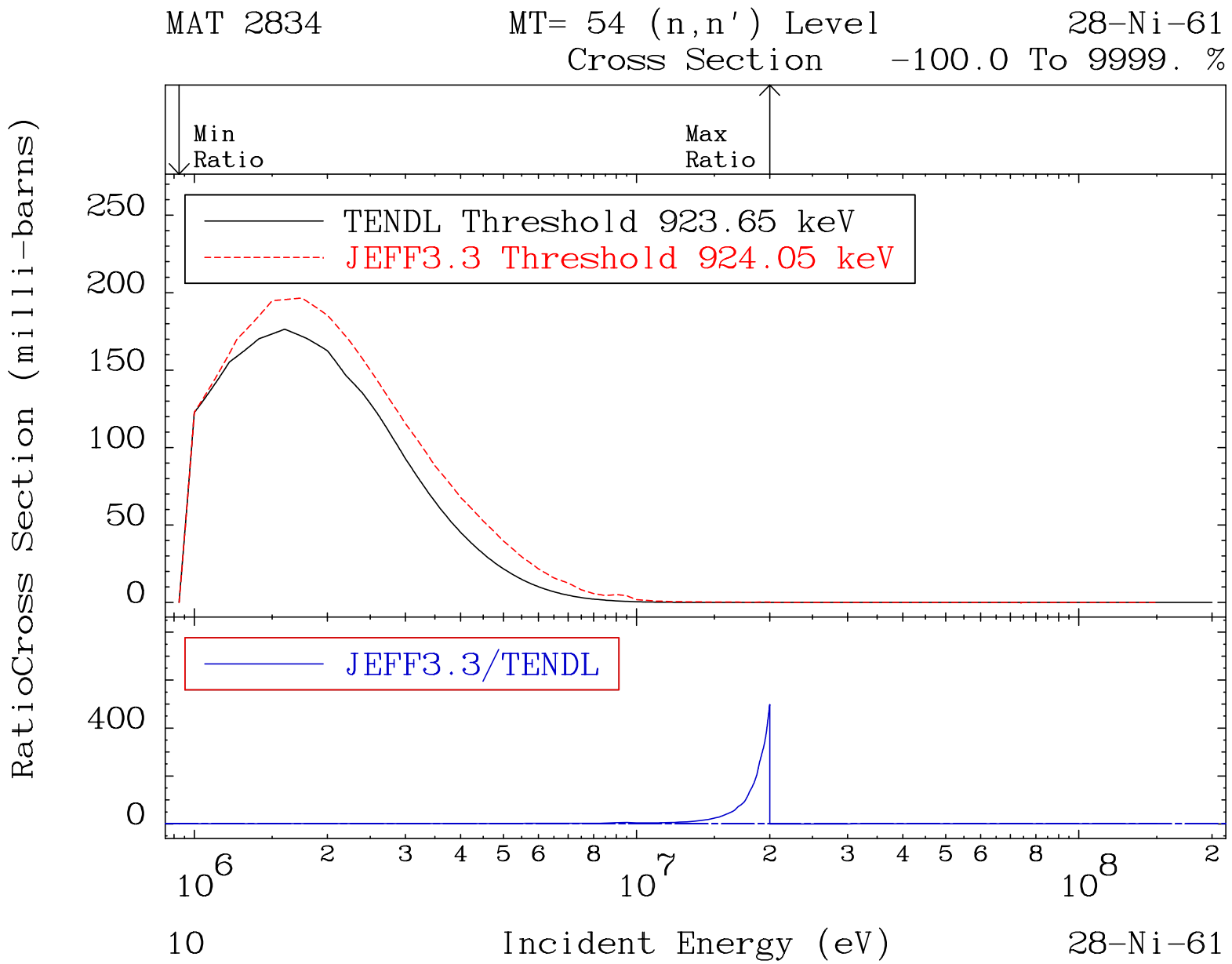

MAT 2834
(n,2n)
Cross Section
28-Ni-61
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 7.9496 MeV
JEFF3.3 Threshold 7.9496 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
1.2
0.6
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
5
Incident Energy (eV)
28-Ni-61

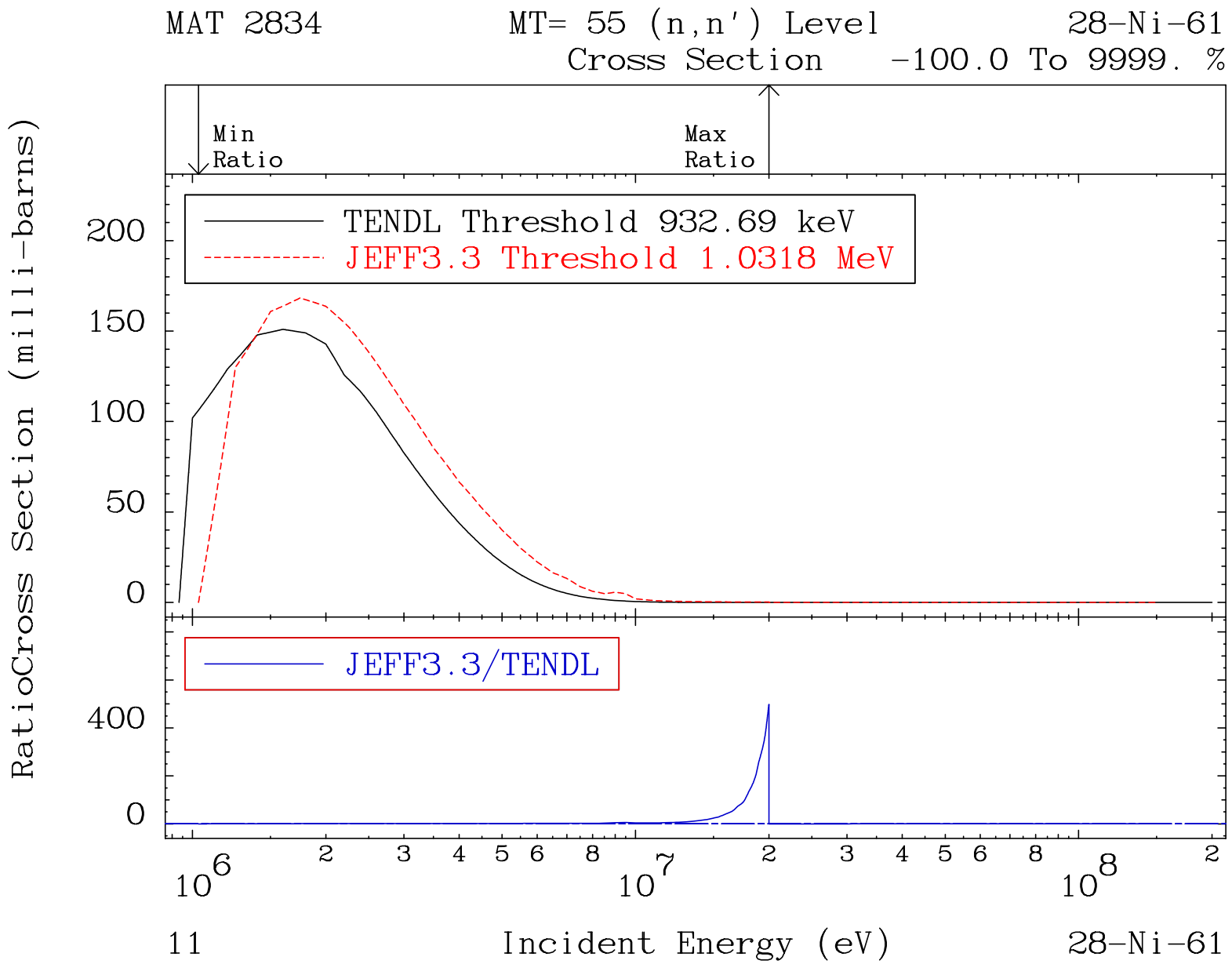

MAT 2834
(n,n') p
Cross Section
28-Ni-61
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 10.024 MeV
JEFF3.3 Threshold 10.025 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
700
600
500
400
300
200
100
0
4
2
0
10^7
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
28-Ni-61

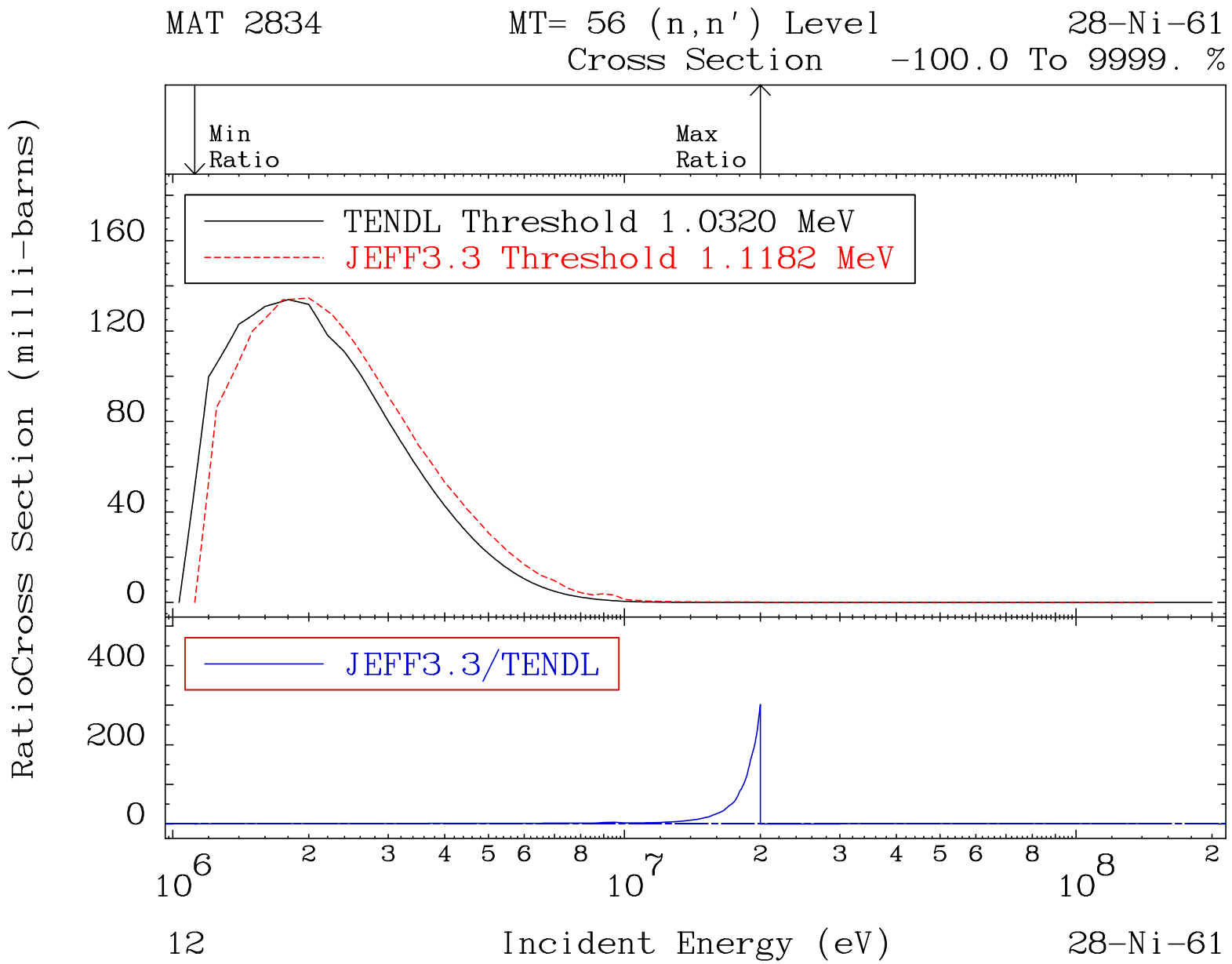

MAT 2834
MT= 51 (n,n') Level
28-Ni-61
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 69.011 keV
JEFF3.3 Threshold 70.000 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
400
0
7
2
3
4
5
7
10^5
10^6
10^7
10^8
Incident Energy (eV)
28-Ni-61

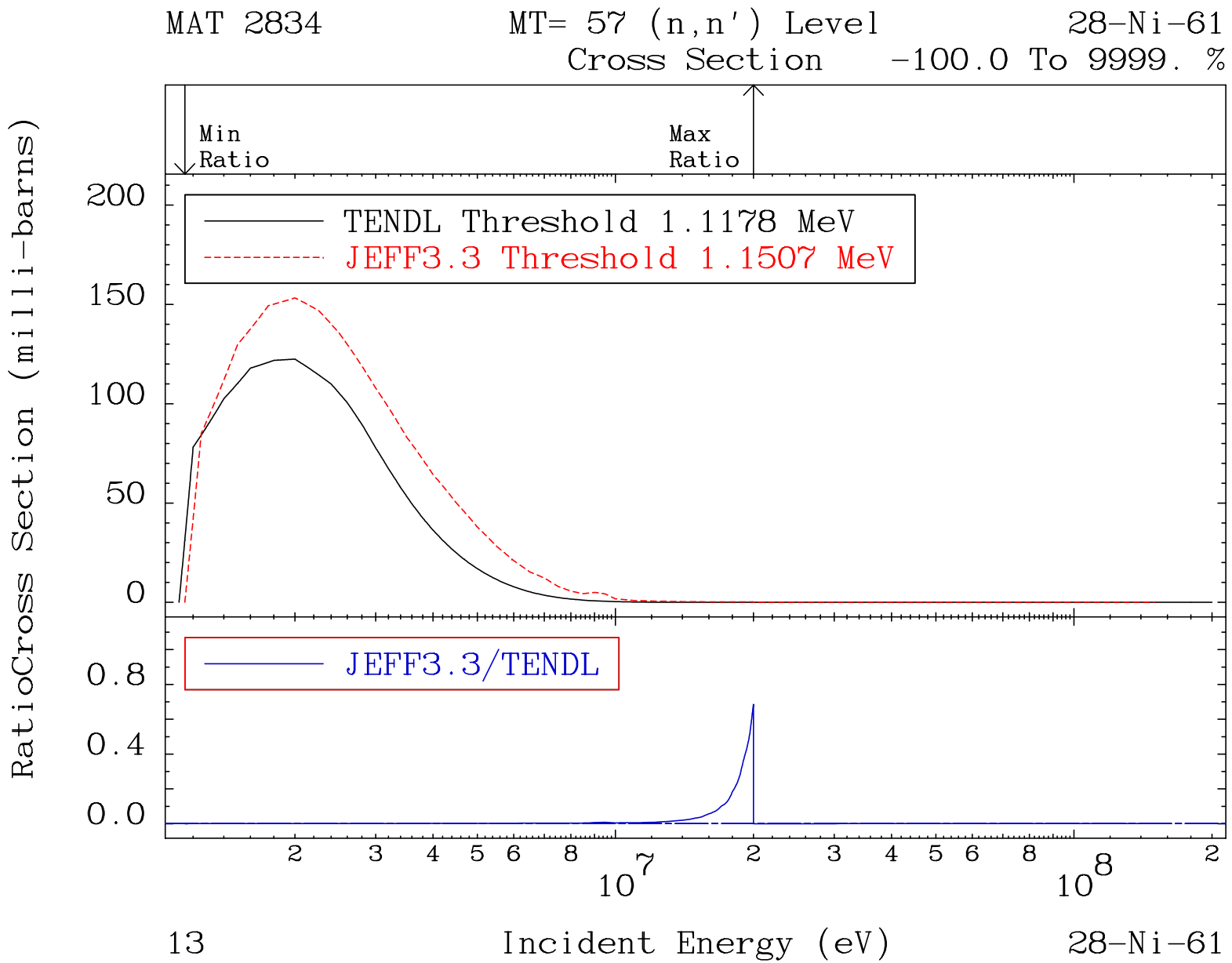

MAT 2834
MT= 52 (n,n') Level
28-Ni-61
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 287.64 keV
JEFF3.3 Threshold 287.68 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
400
0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
8
28-Ni-61

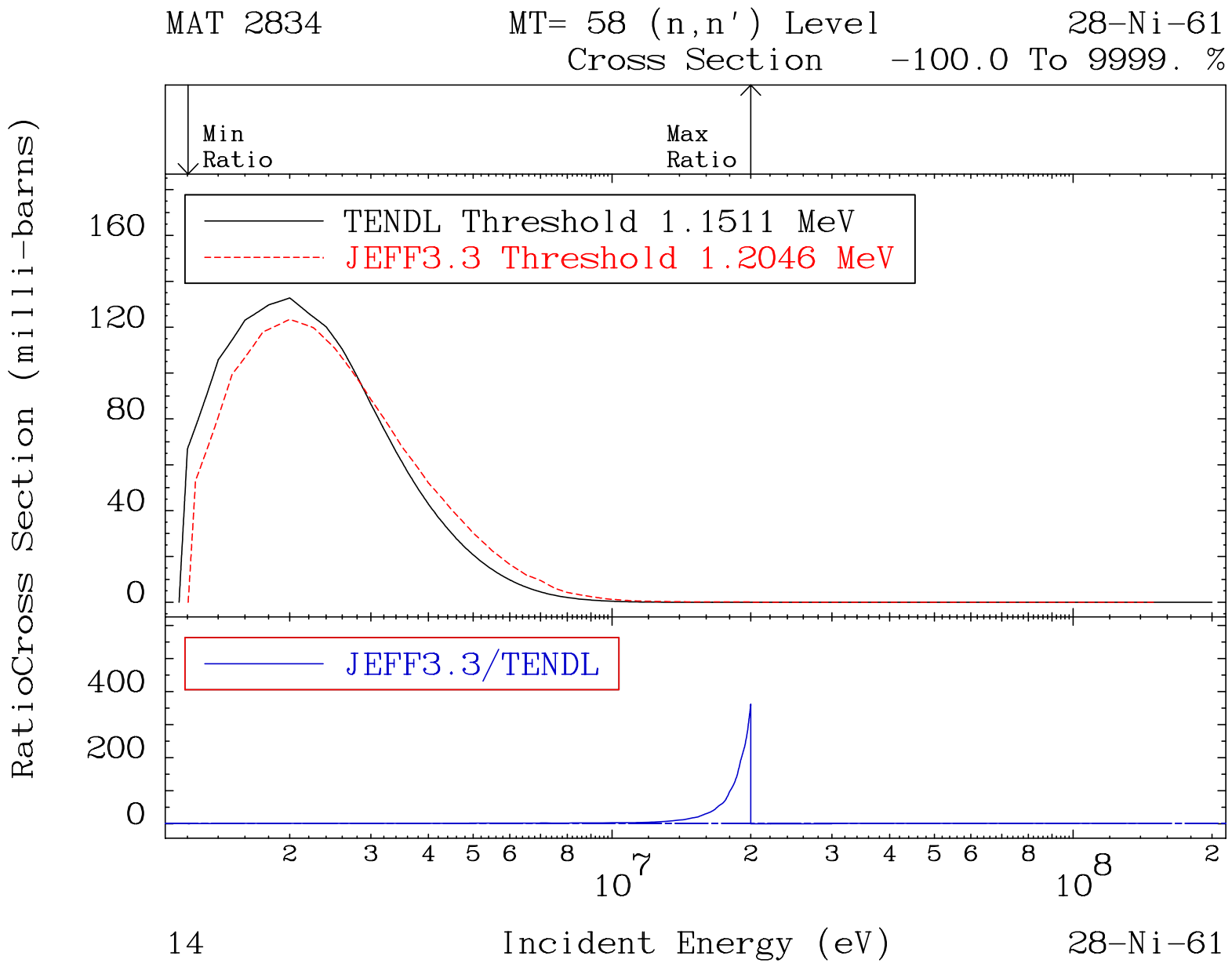

MAT 2834
MT= 53 (n,n') Level
28-Ni-61
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 666.87 keV
JEFF3.3 Threshold 666.87 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
400
0
8
2
3
4
5
6
8
10^6
10^7
10^8
9
Incident Energy (eV)
28-Ni-61

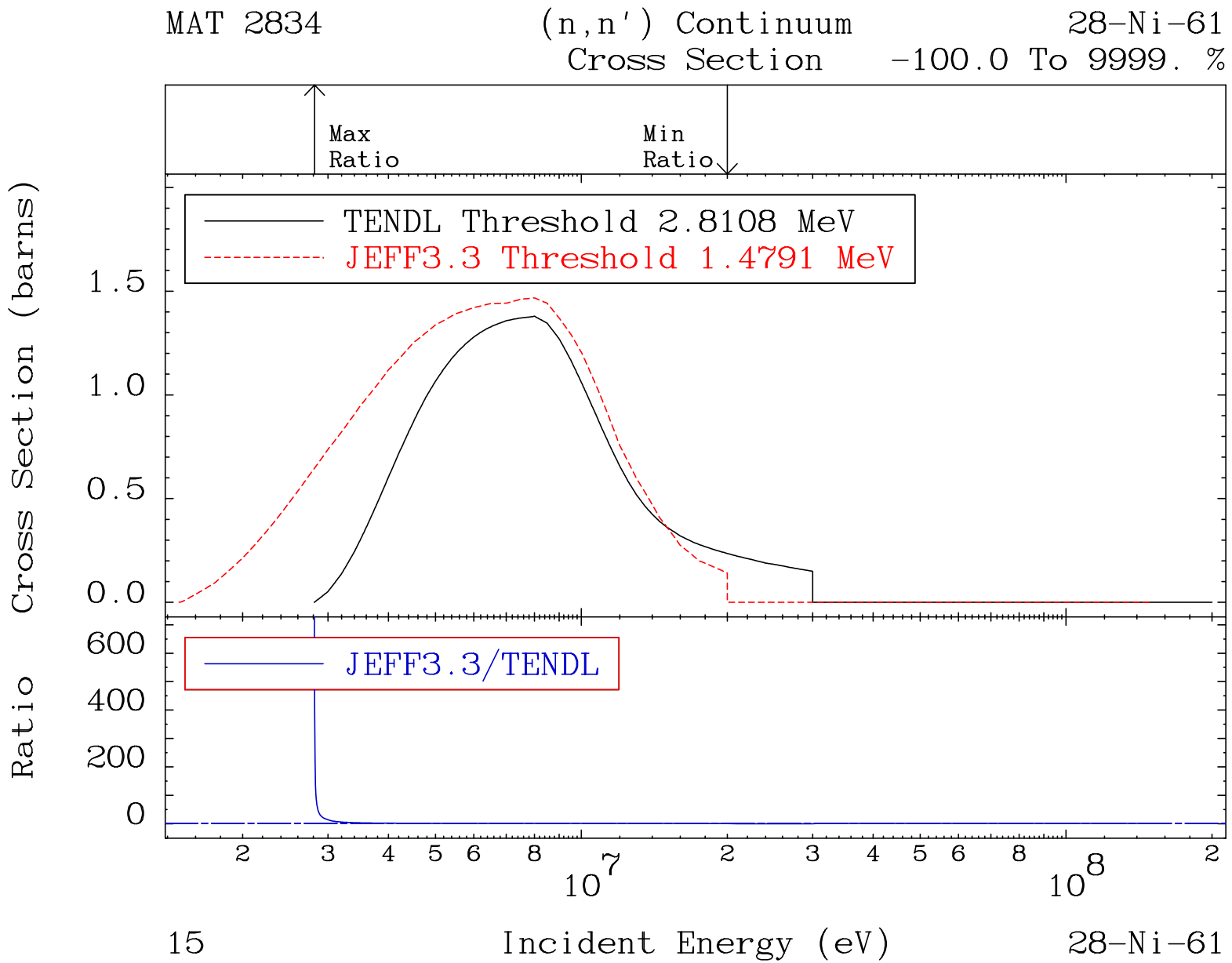

MAT 2834
MT= 54 (n,n') Level
28-Ni-61
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 923.65 keV
JEFF3.3 Threshold 924.05 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
400
0
10^6
2 3 4 5 6 8
10^7
2 3 4 5 6 8
10^8
2
10
Incident Energy (eV)
28-Ni-61

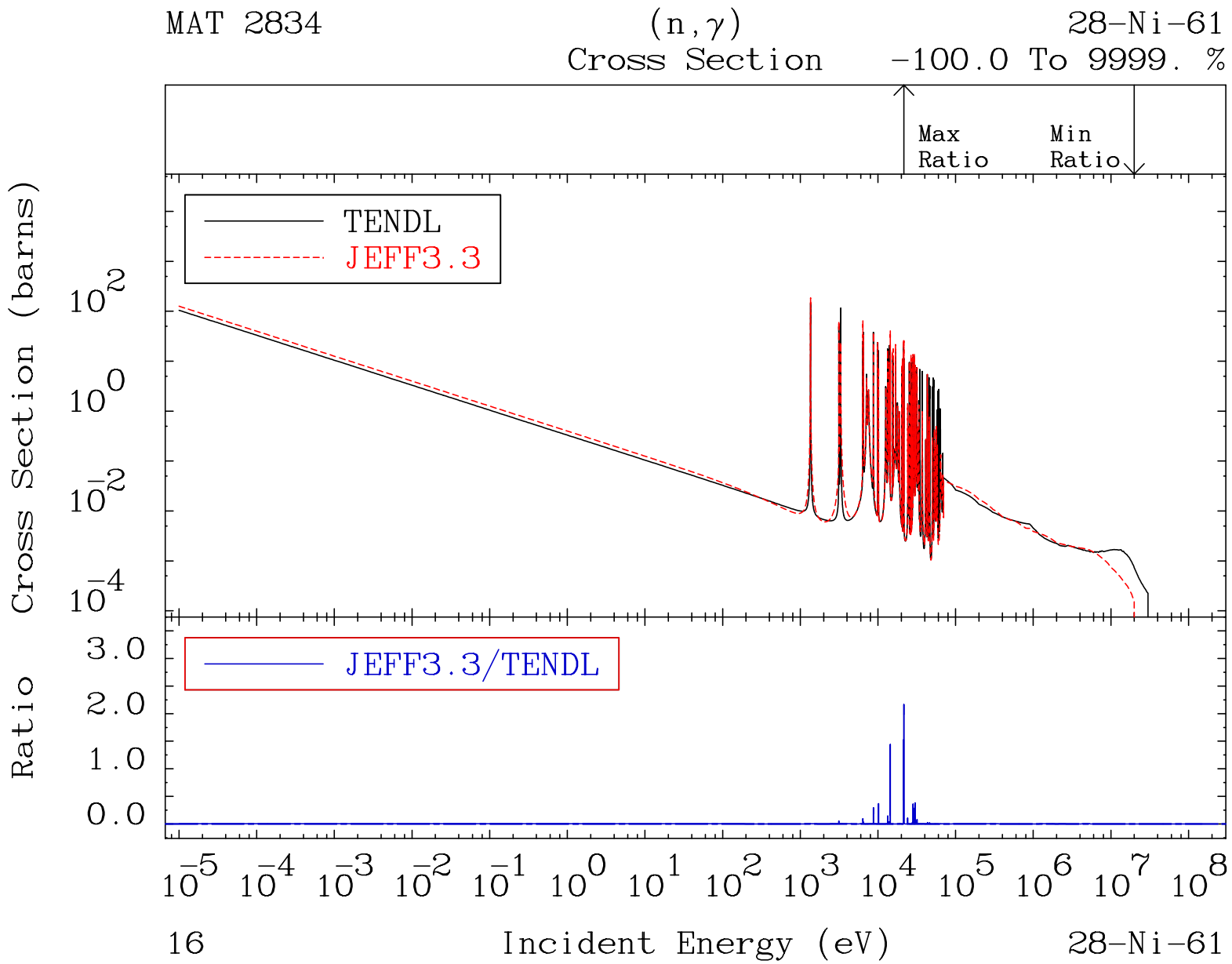

MAT 2834
MT= 55 (n,n') Level
28-Ni-61
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 932.69 keV
JEFF3.3 Threshold 1.0318 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
400
0
10^6
2 3 4 5 6 8
10^7
2 3 4 5 6 8
10^8
2
11
Incident Energy (eV)
28-Ni-61

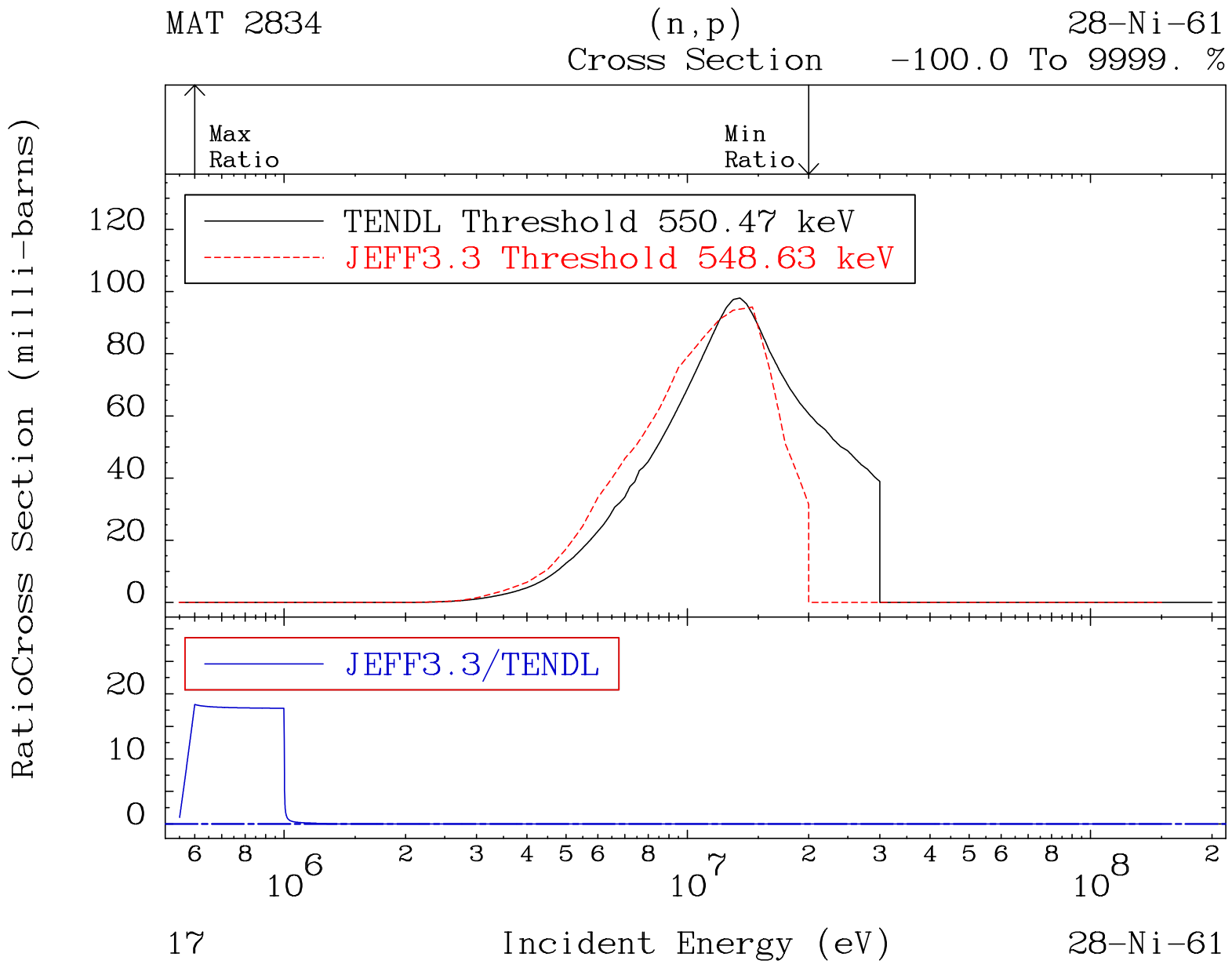

MAT 2834
MT= 56 (n,n') Level
28-Ni-61
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.0320 MeV
JEFF3.3 Threshold 1.1182 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
400
200
0
10^6
10^7
10^8
2 3 4 5 6 8
Incident Energy (eV)
12
28-Ni-61

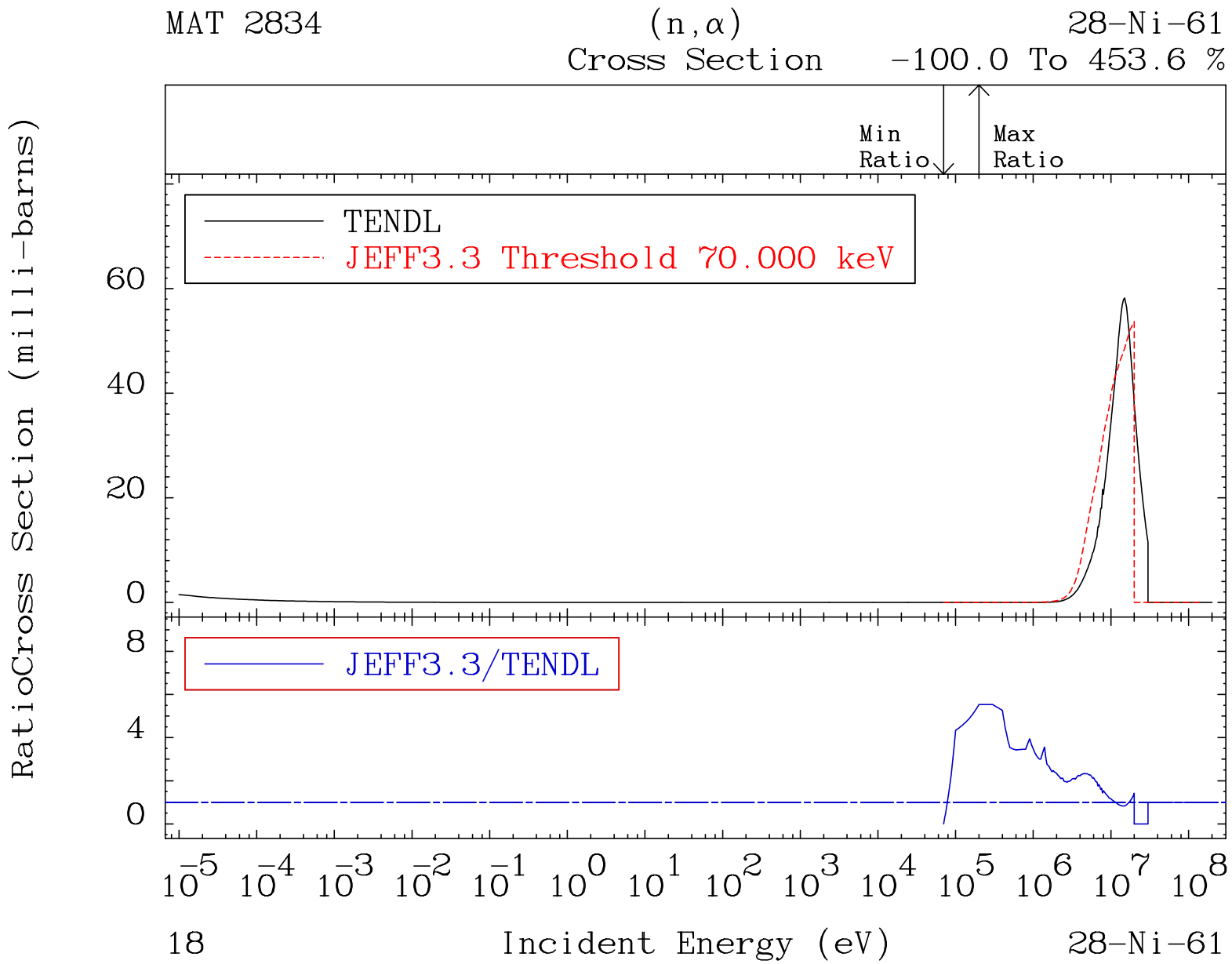

MAT 2834
MT= 57 (n,n') Level
28-Ni-61
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.1178 MeV
JEFF3.3 Threshold 1.1507 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
0.8
0.4
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
13
Incident Energy (eV)
28-Ni-61

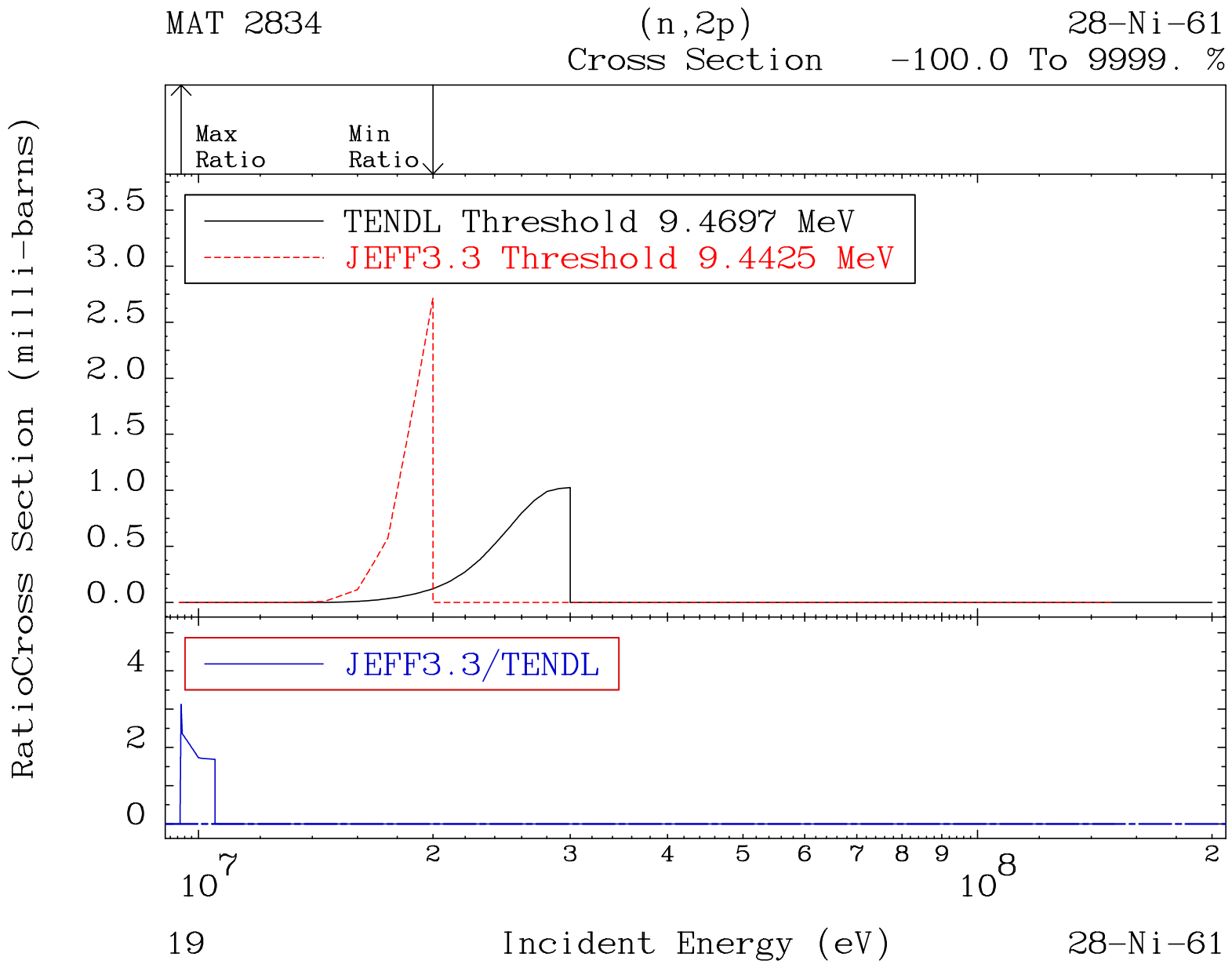

MAT 2834
MT= 58 (n,n') Level
28-Ni-61
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.1511 MeV
JEFF3.3 Threshold 1.2046 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
400
200
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
14
Incident Energy (eV)
28-Ni-61

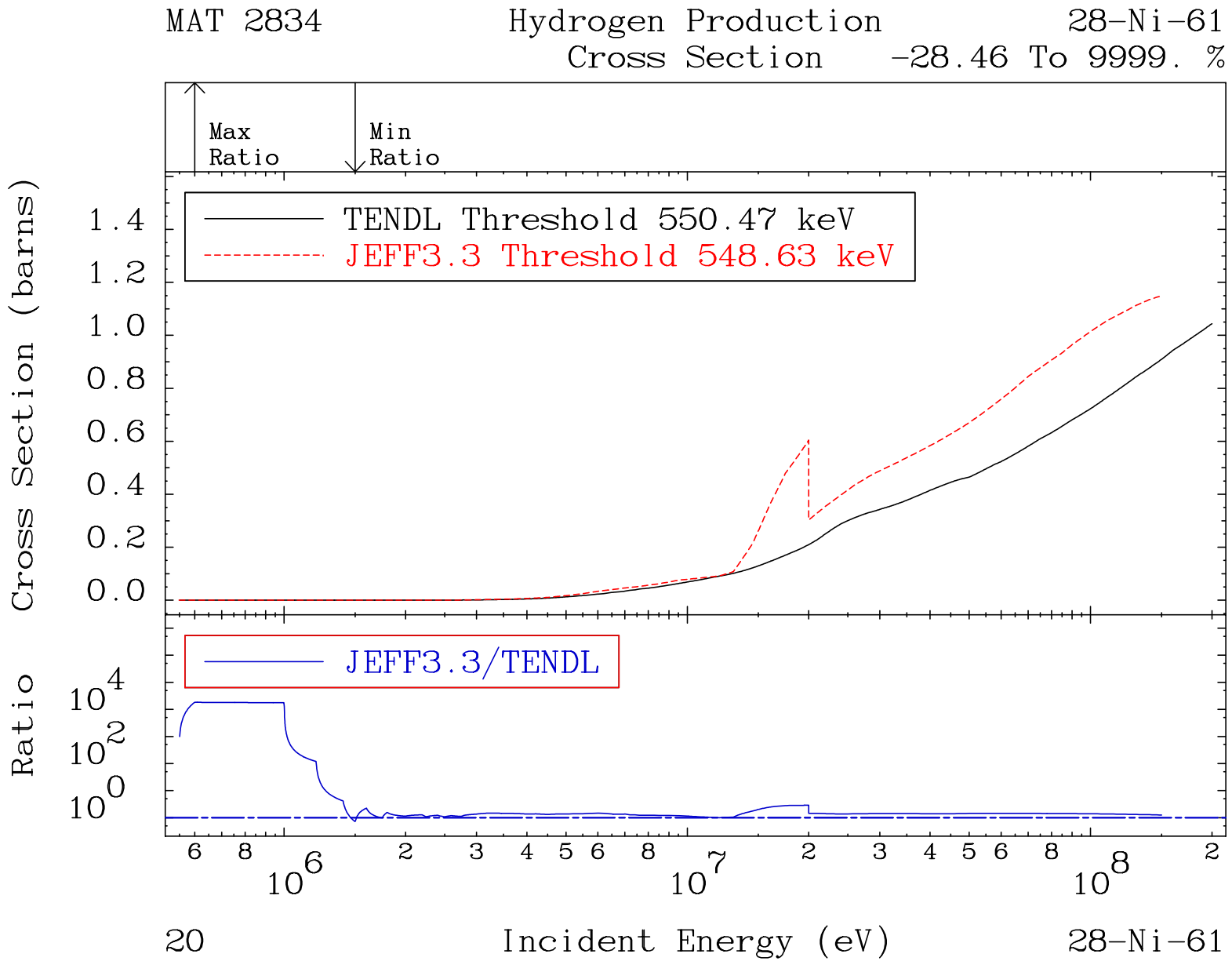

MAT 2834
(n,n') Continuum
Cross Section
28-Ni-61
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.8108 MeV
JEFF3.3 Threshold 1.4791 MeV
Cross Section (barns)
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
600
400
200
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
15
Incident Energy (eV)
28-Ni-61

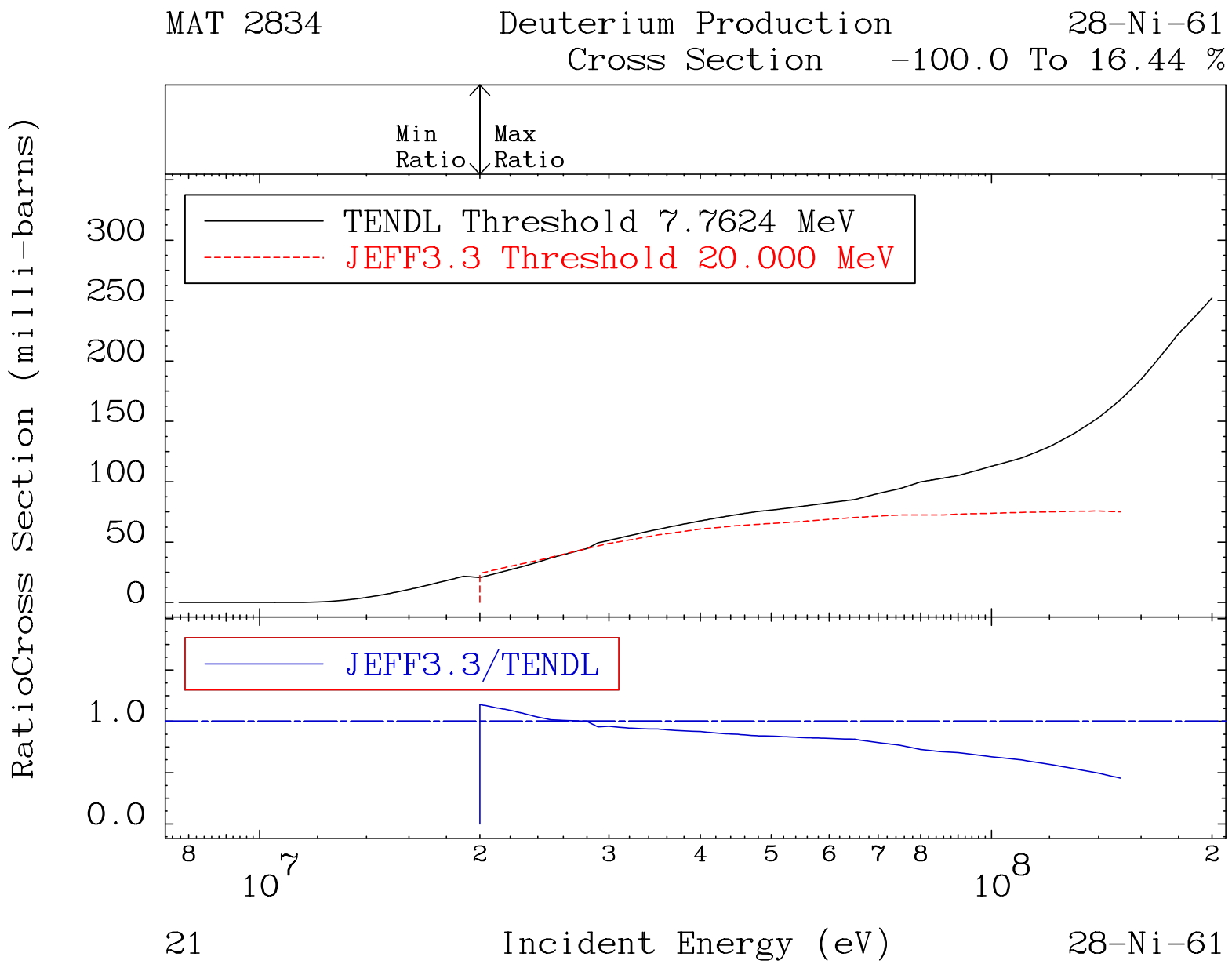

MAT 2834
(n,γ)
Cross Section
28-Ni-61
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
16
28-Ni-61

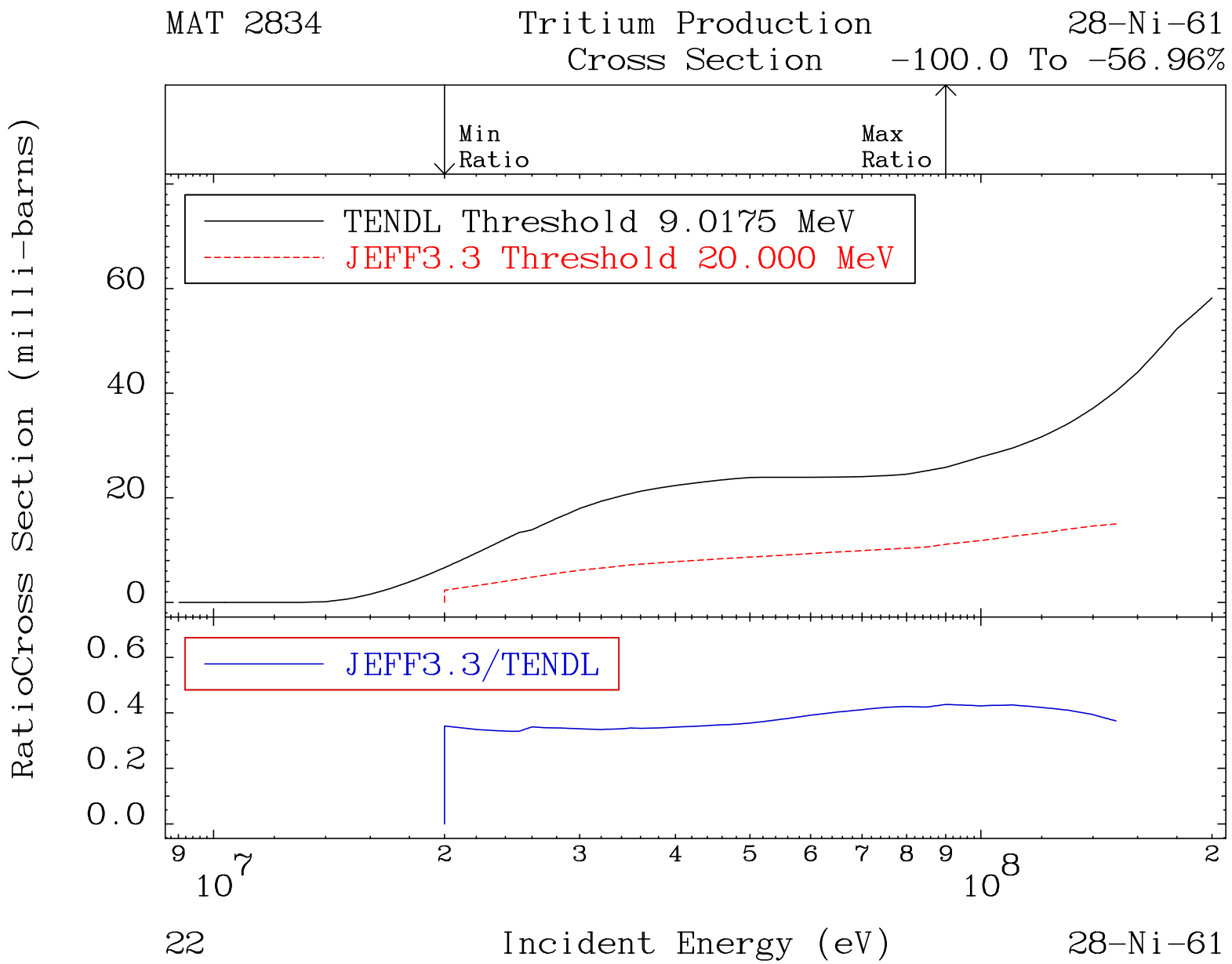

MAT 2834
(n,p)
Cross Section
28-Ni-61
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 550.47 keV
JEFF3.3 Threshold 548.63 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
20
10
0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
17
Incident Energy (eV)
28-Ni-61

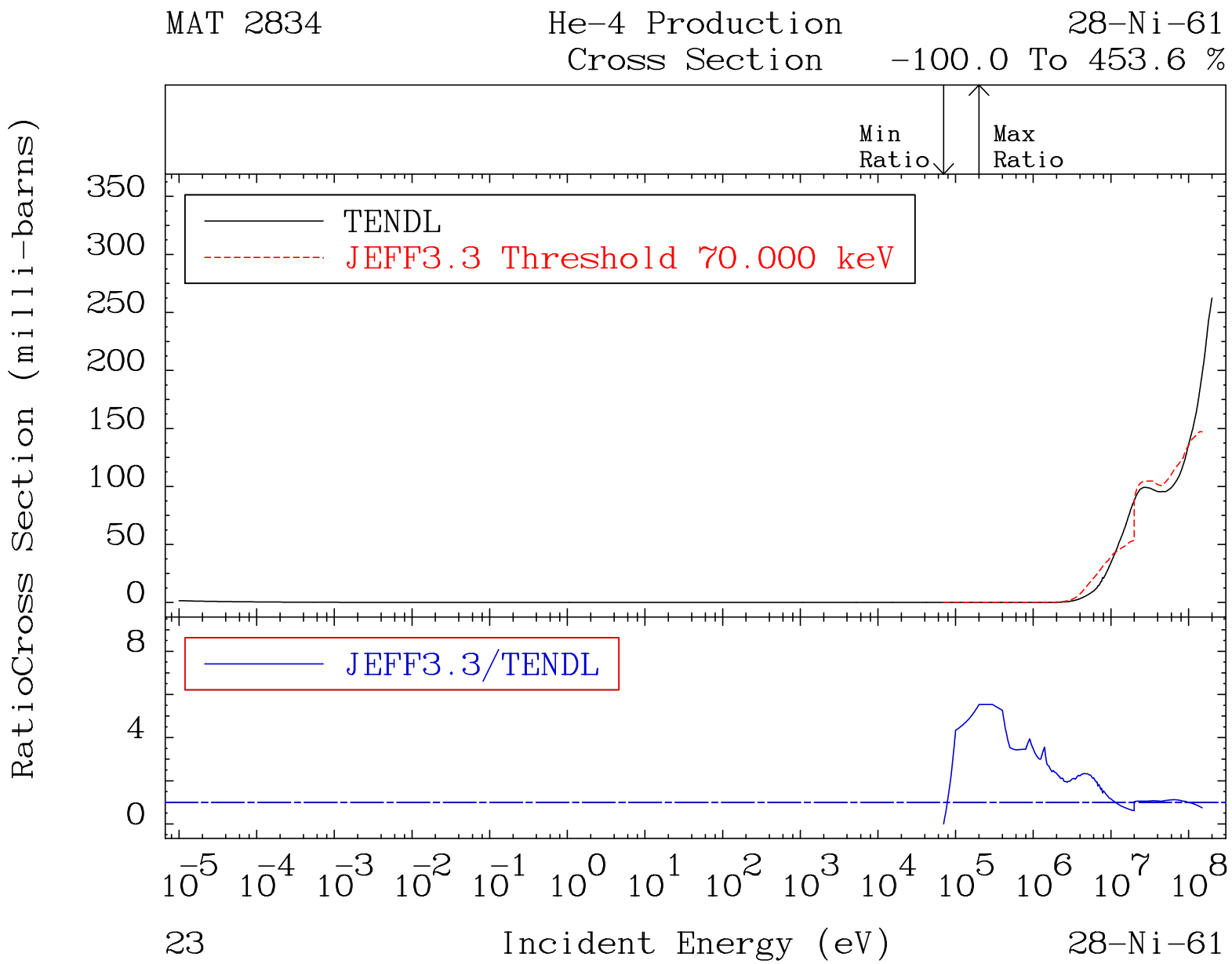

MAT 2834
(n,α)
Cross Section
28-Ni-61
-100.0 To 453.6 %
Min Ratio
Max Ratio
TENDL
JEFF3.3 Threshold 70.000 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
40
20
0
8
4
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
18
Incident Energy (eV)
28-Ni-61

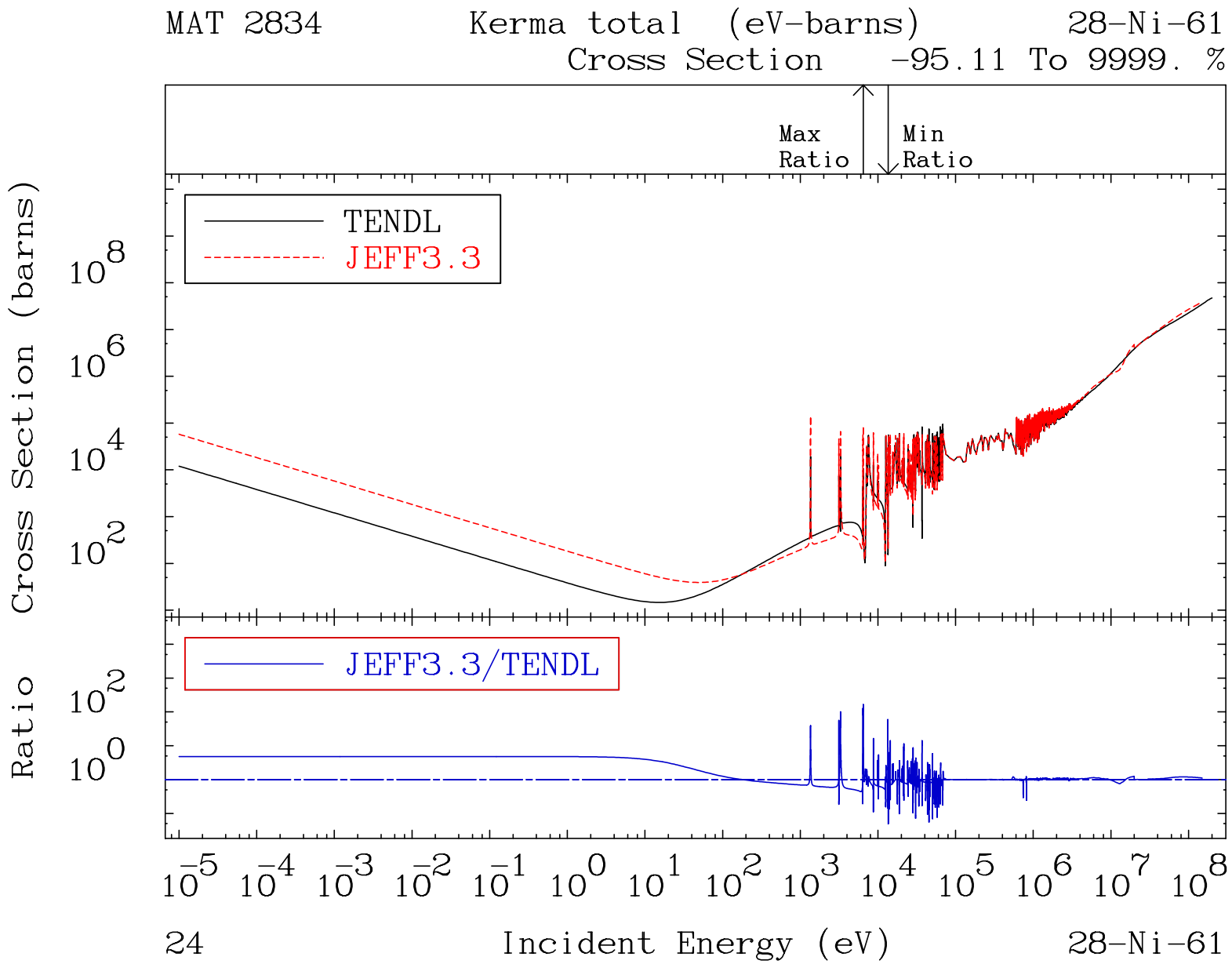

MAT 2834
(n,2p)
Cross Section
28-Ni-61
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.4697 MeV
JEFF3.3 Threshold 9.4425 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
4
2
0
10^7
2
3
4
5
6
7
8
9
10^8
2
19
Incident Energy (eV)
28-Ni-61

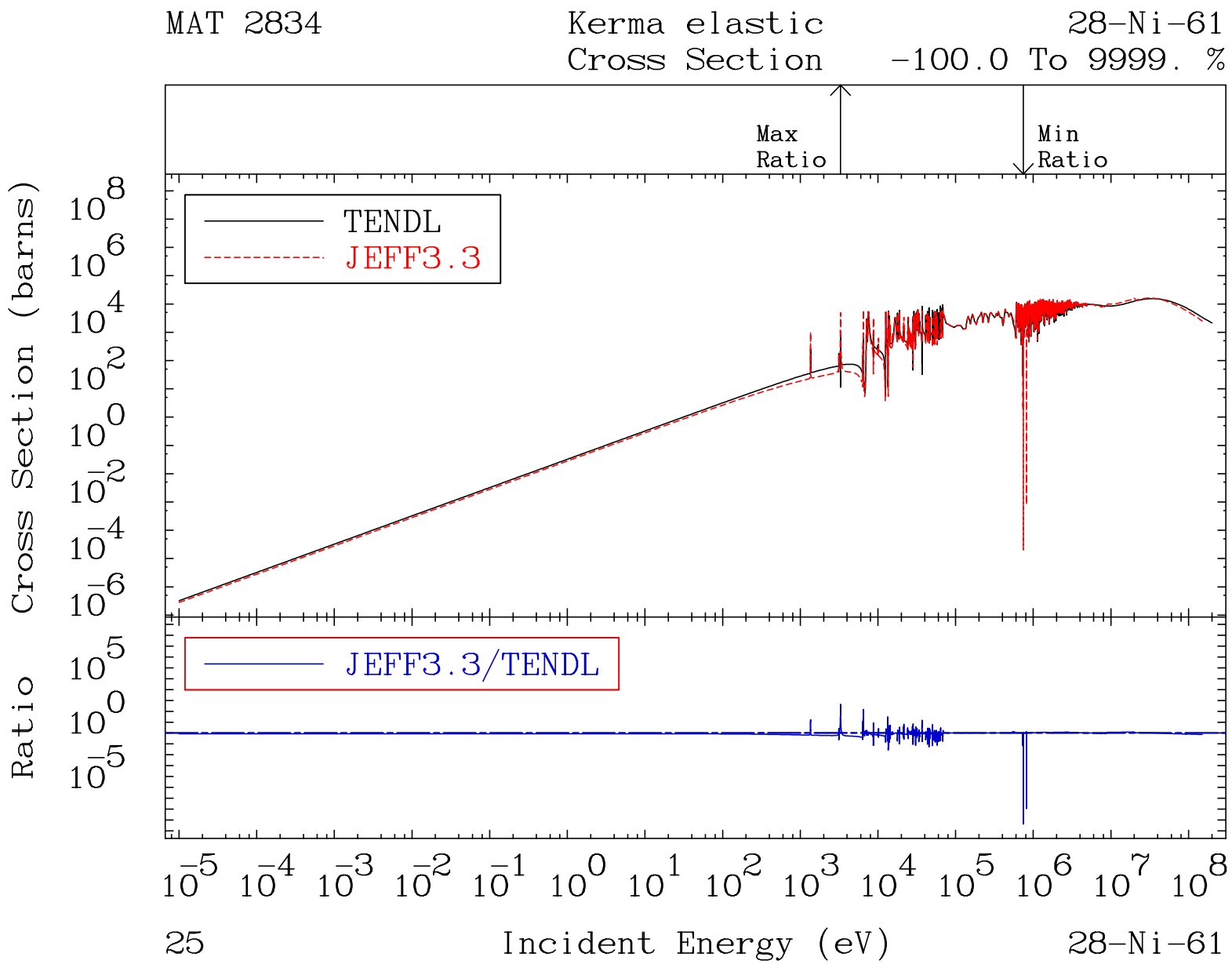

MAT 2834
Hydrogen Production
28-Ni-61
Cross Section -28.46 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 550.47 keV
JEFF3.3 Threshold 548.63 keV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
10^4
10^2
10^0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
20
Incident Energy (eV)
28-Ni-61

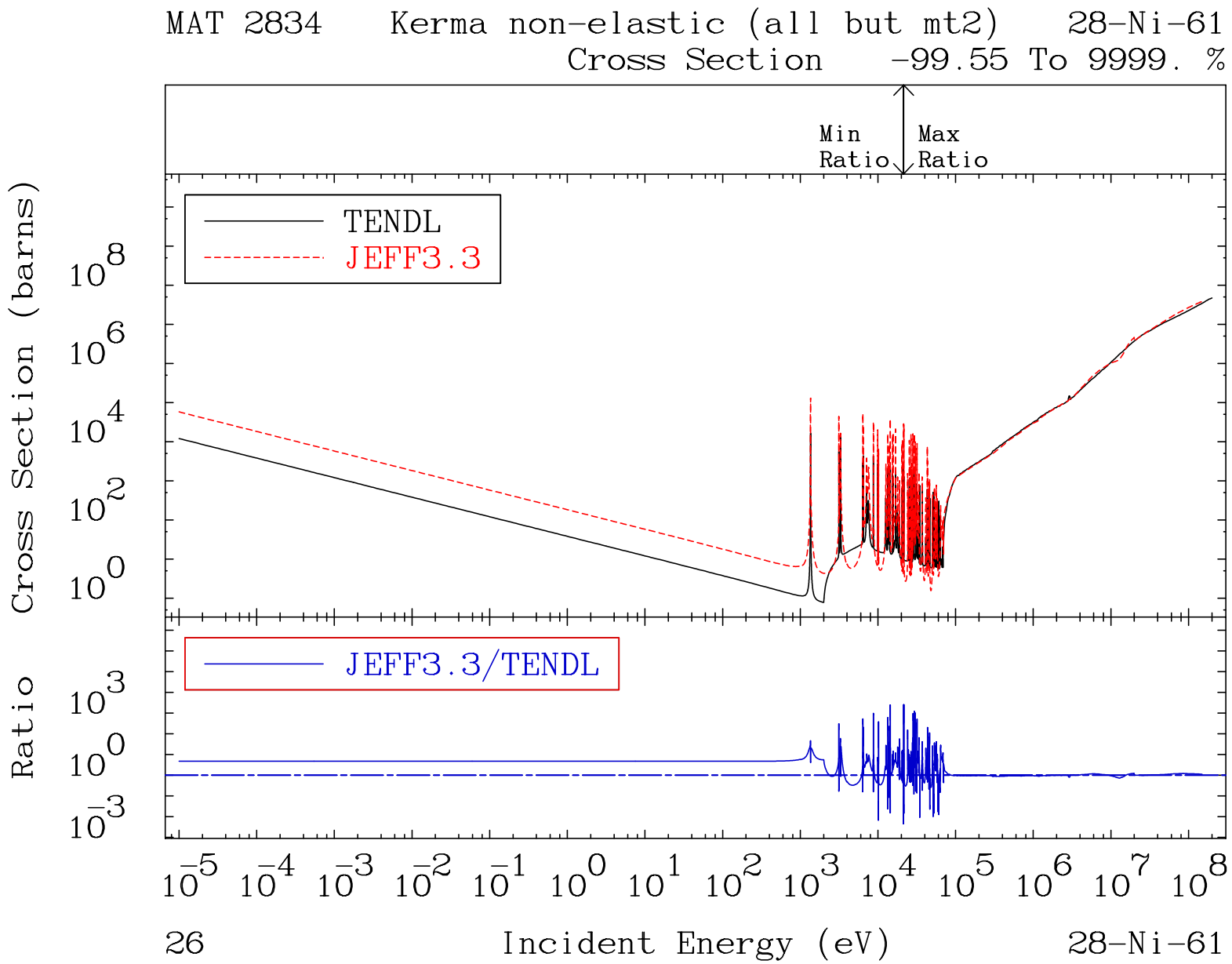

MAT 2834
Deuterium Production
28-Ni-61
Cross Section -100.0 To 16.44 %
Min Ratio
Max Ratio
TENDL Threshold 7.7624 MeV
JEFF3.3 Threshold 20.000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
1.0
0.0
8
2
3
4
5
6
7
8
2
10^7
10^8
21
Incident Energy (eV)
28-Ni-61

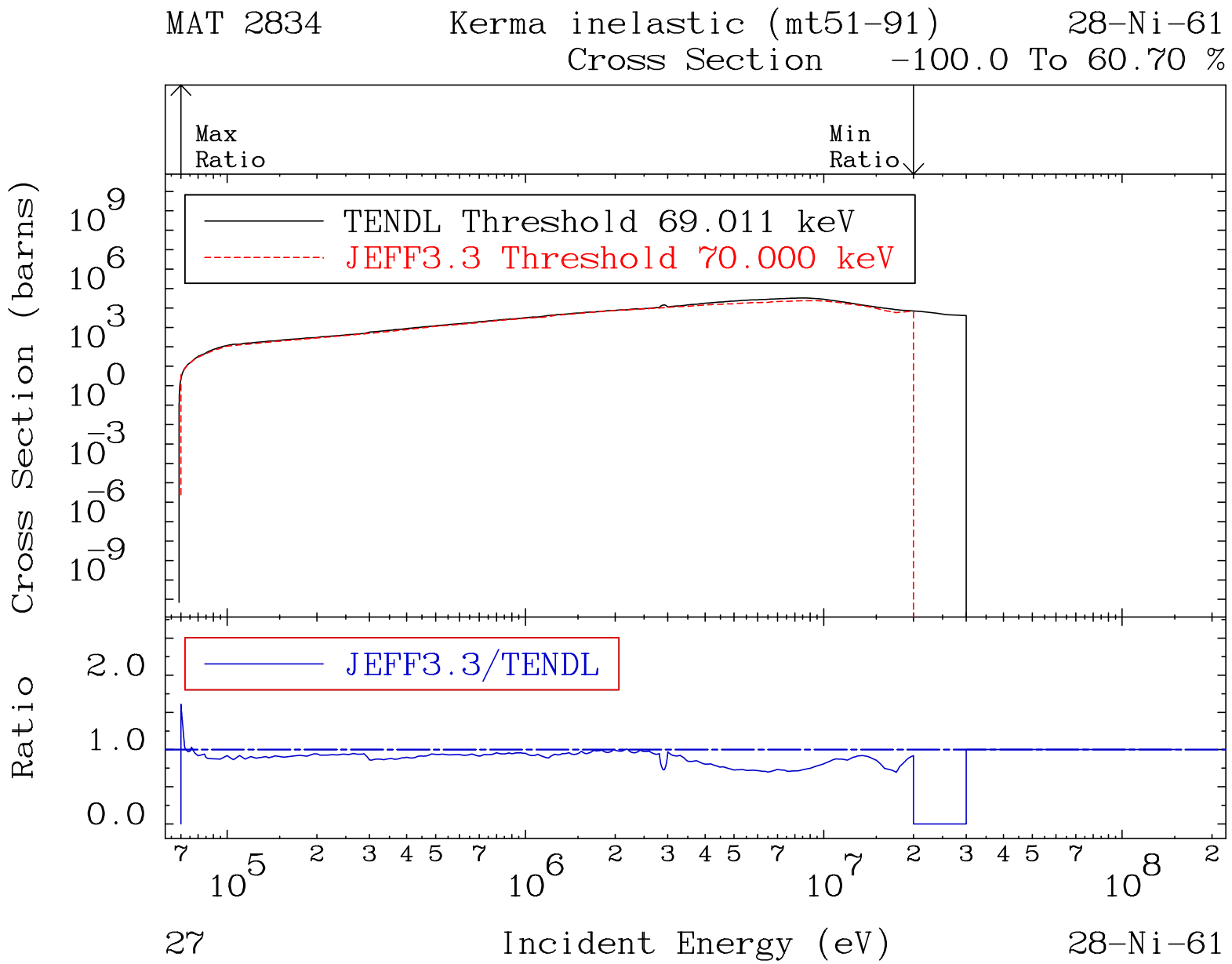

MAT 2834
Tritium Production
28-Ni-61
Cross Section
-100.0 To -56.96%
Min Ratio
Max Ratio
TENDL Threshold 9.0175 MeV
JEFF3.3 Threshold 20.000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
40
20
0
0.6
0.4
0.2
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
22
Incident Energy (eV)
28-Ni-61

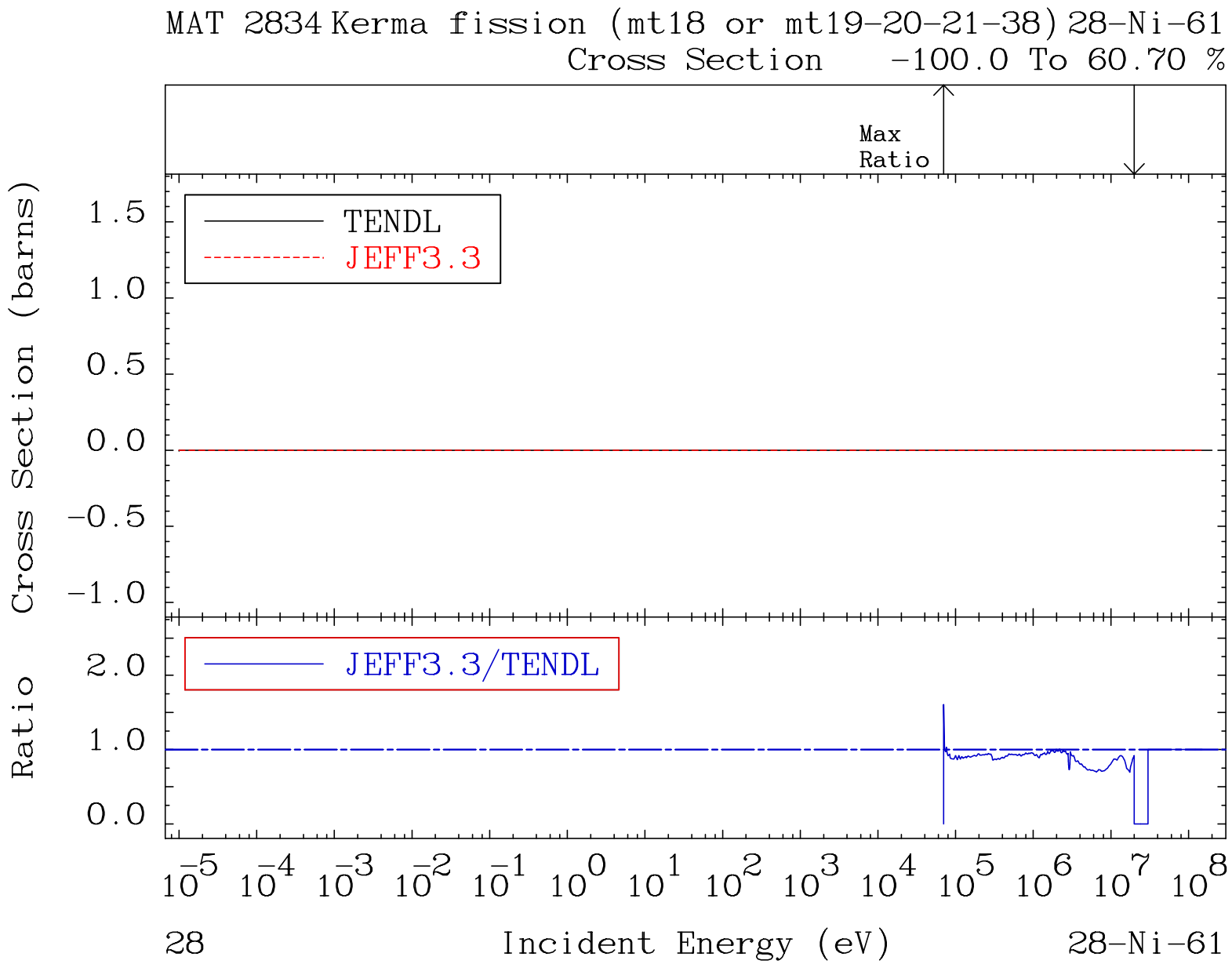

MAT 2834
He-4 Production
Cross Section
28-Ni-61
-100.0 To 453.6 %
Min Ratio
Max Ratio
TENDL
JEFF3.3 Threshold 70.000 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
8
4
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
23
Incident Energy (eV)
28-Ni-61

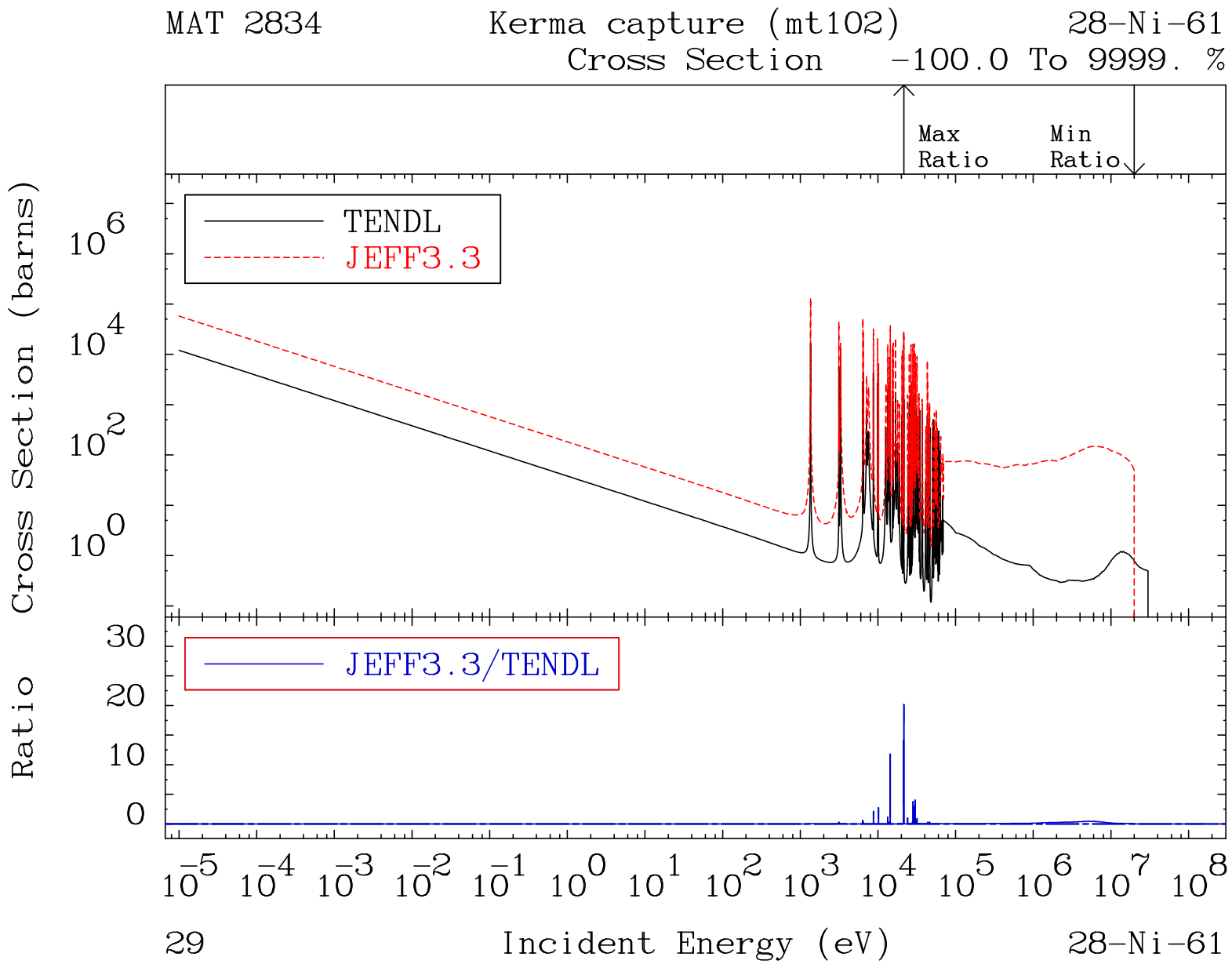

MAT 2834
Kerma total (eV-barns)
28-Ni-61
Cross Section -95.11 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
24
28-Ni-61

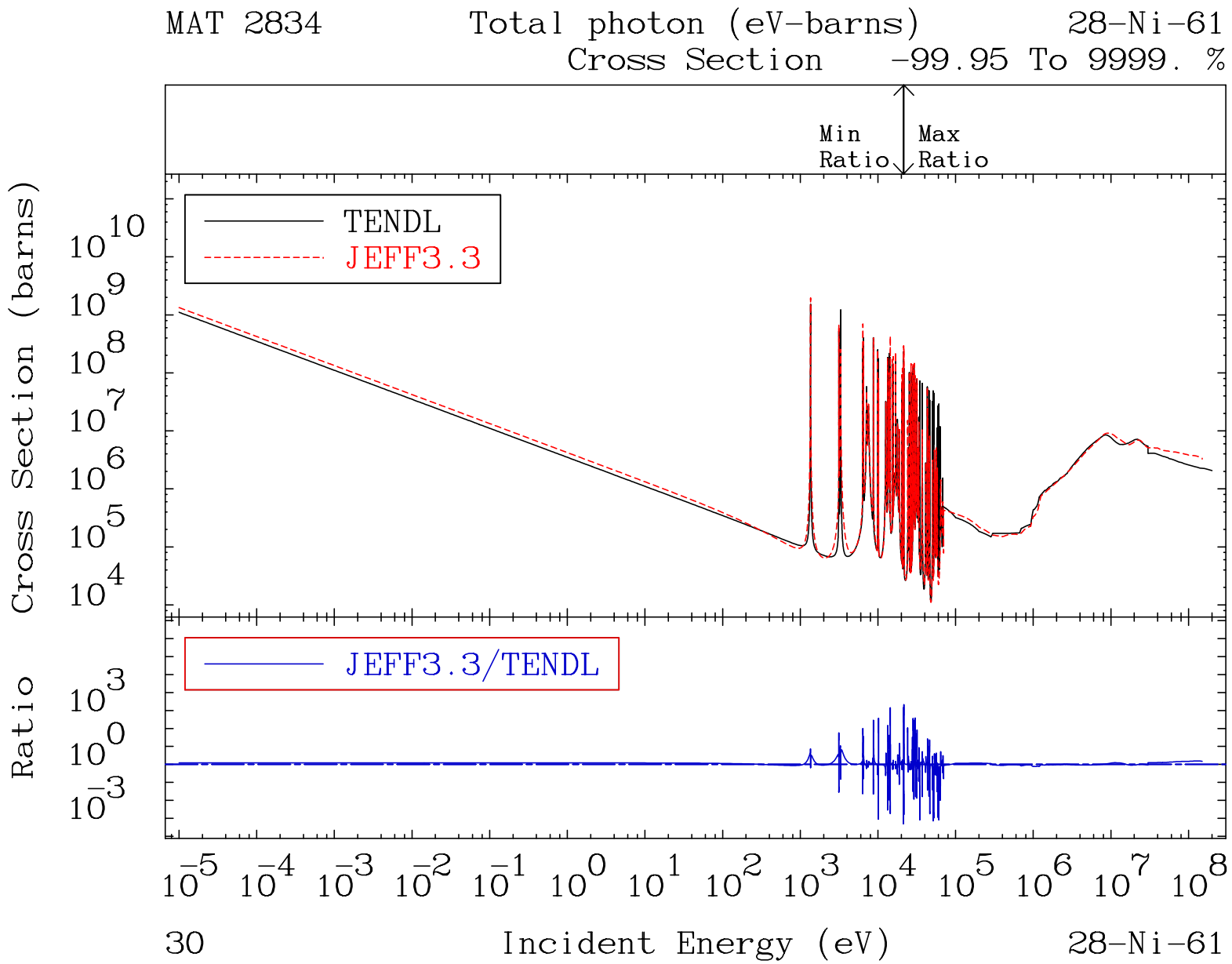

MAT 2834
Kerma elastic
Cross Section
28-Ni-61
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
25
28-Ni-61

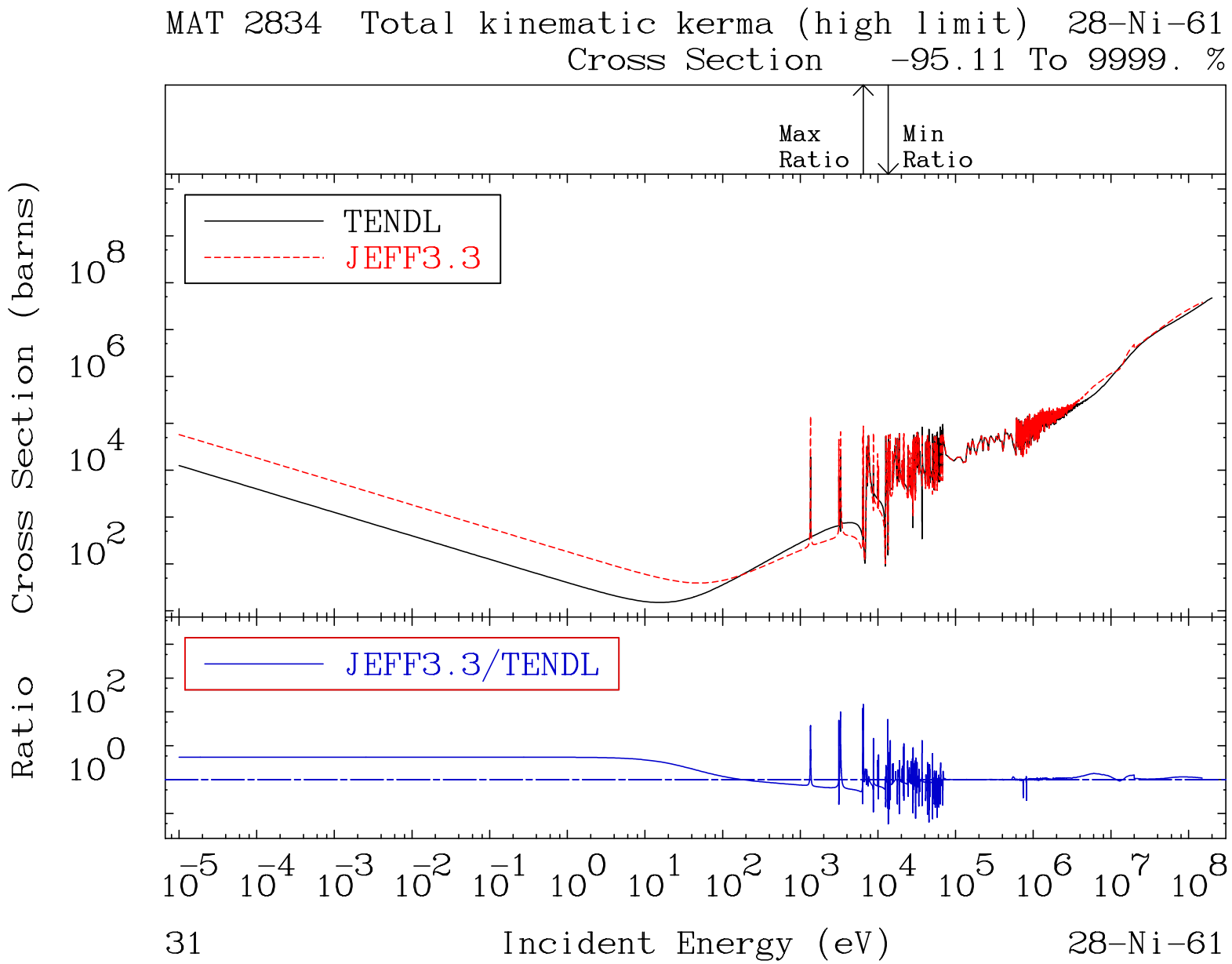

MAT 2834 Kerma non-elastic (all but mt2) 28-Ni-61
Cross Section -99.55 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
26
28-Ni-61

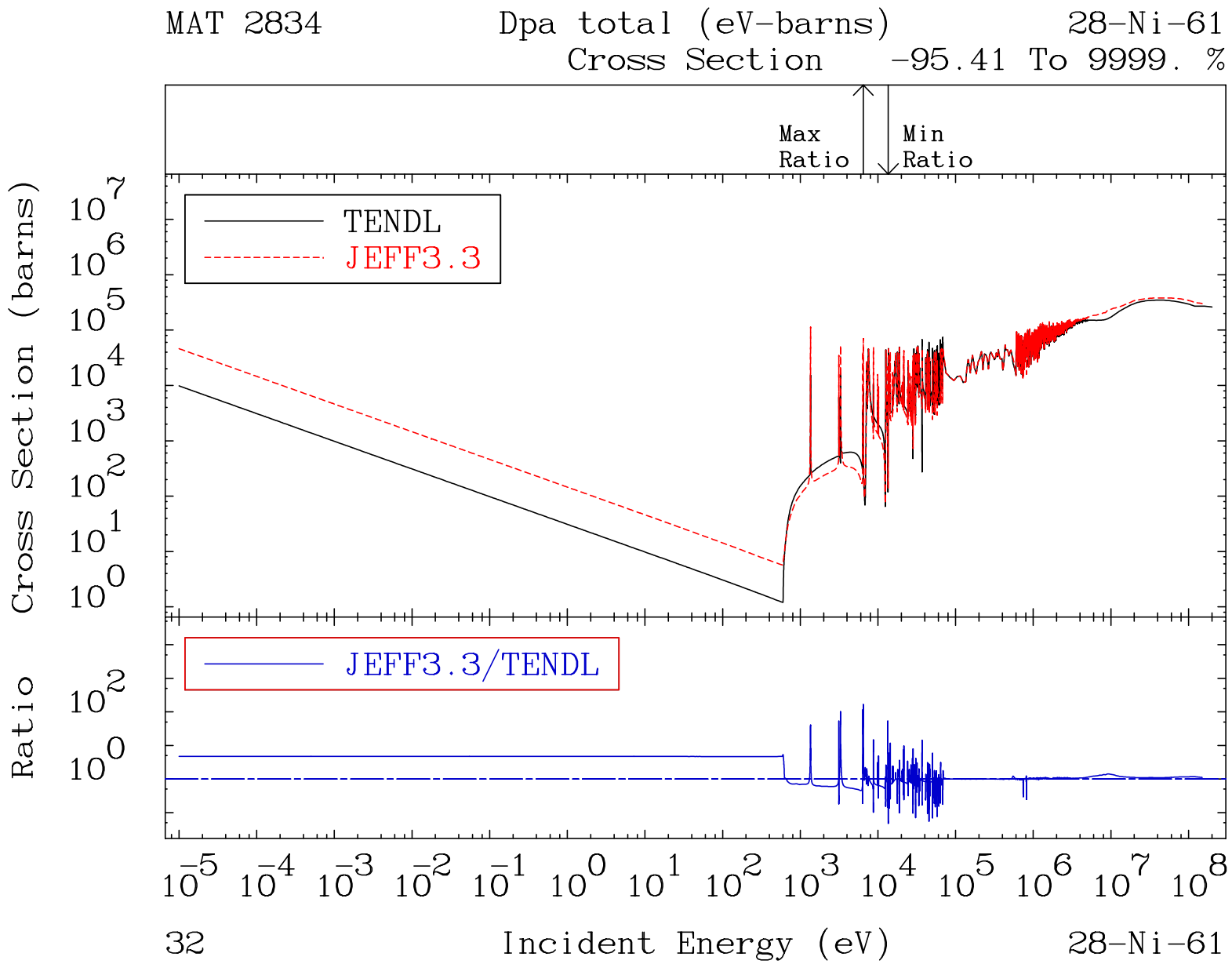

MAT 2834
Kerma inelastic (mt51-91)
28-Ni-61
Cross Section -100.0 To 60.70 %
Max Ratio
Min Ratio
TENDL Threshold 69.011 keV
JEFF3.3 Threshold 70.000 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
27
28-Ni-61

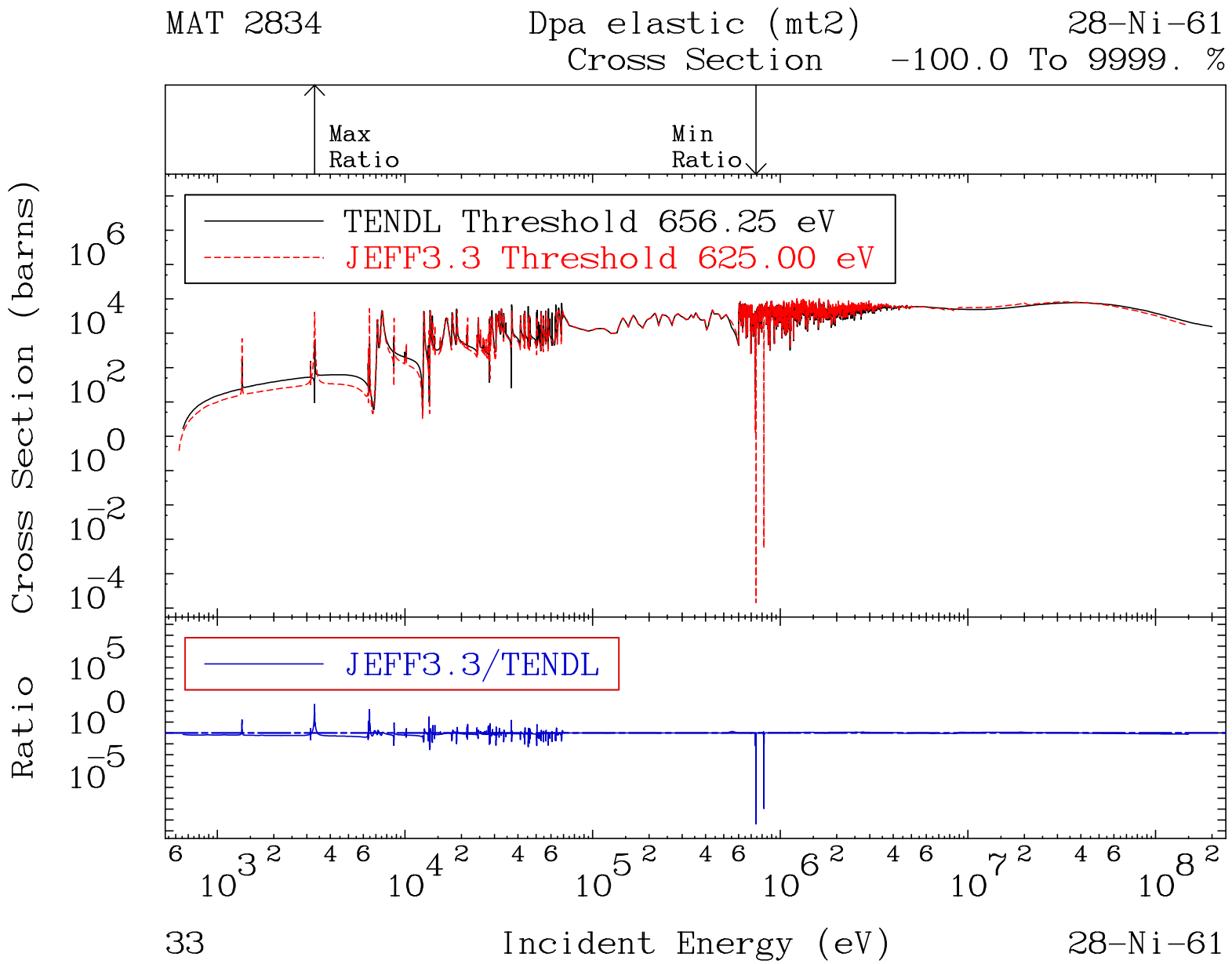

MAT 2834 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-61
Cross Section -100.0 To 60.70 %
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
2.0
1.0
0.0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
28
Incident Energy (eV)
28-Ni-61

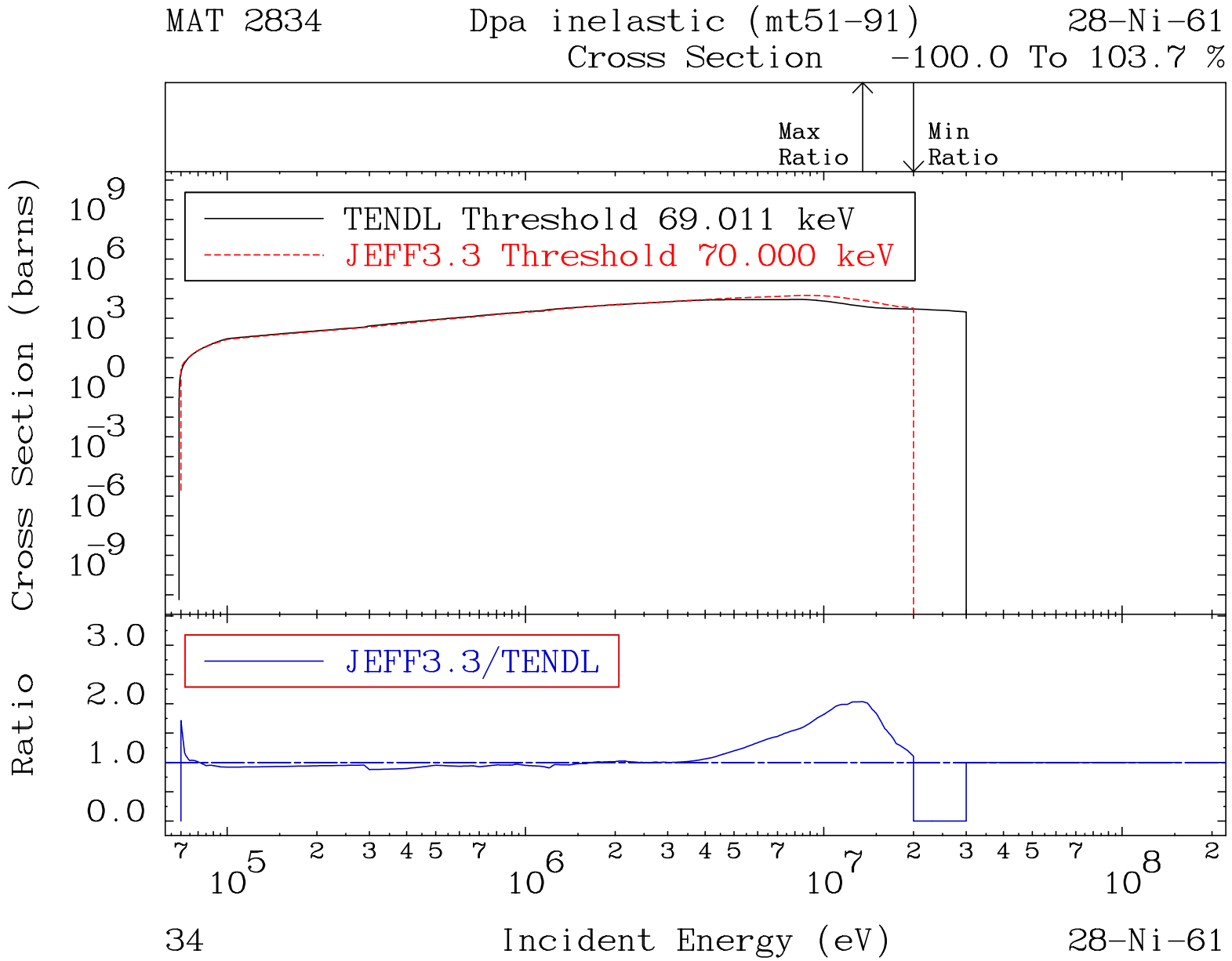

MAT 2834
Kerma capture (mt102)
28-Ni-61
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
29
28-Ni-61

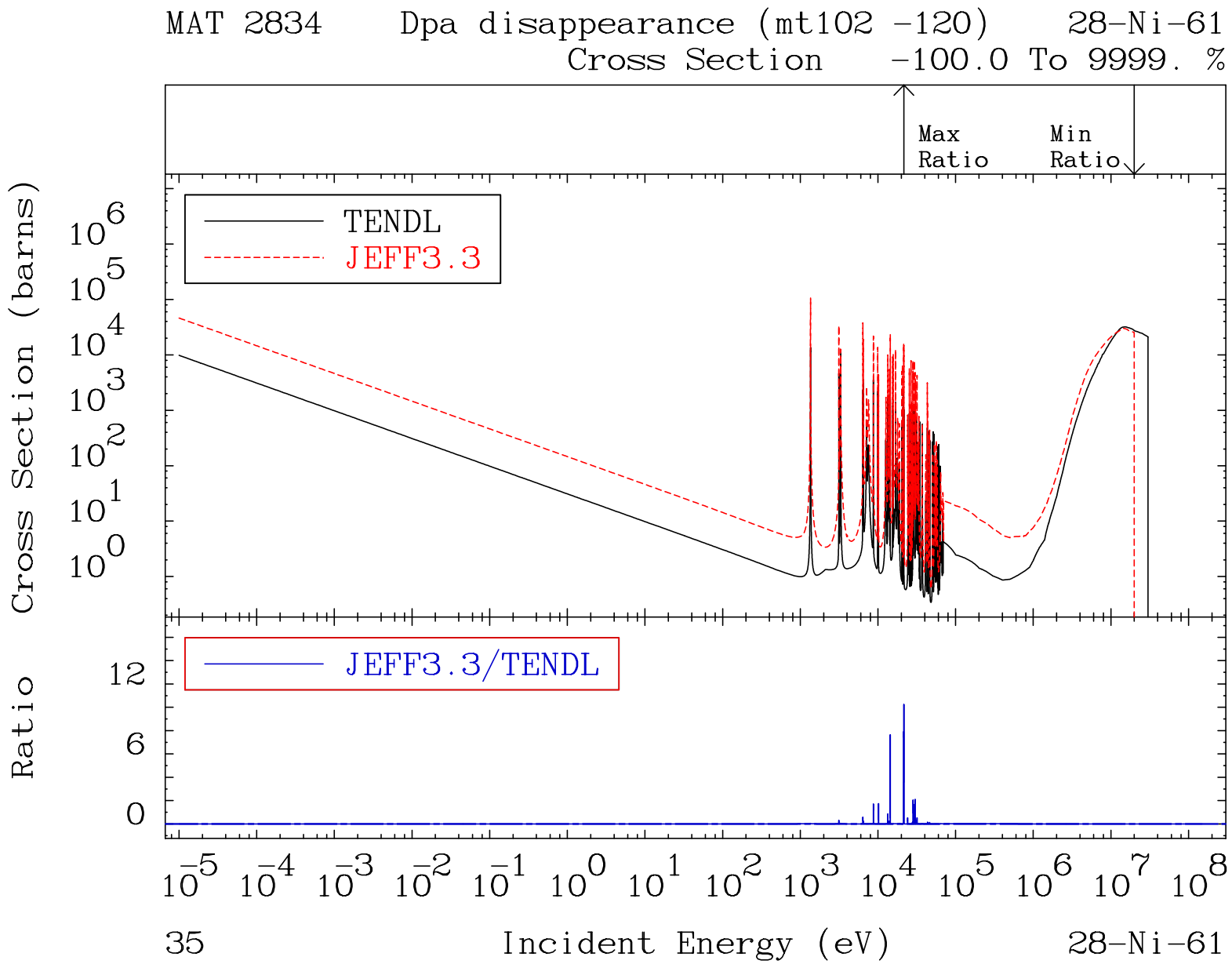

MAT 2834
Total photon (eV-barns)
28-Ni-61
Cross Section -99.95 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
30
28-Ni-61

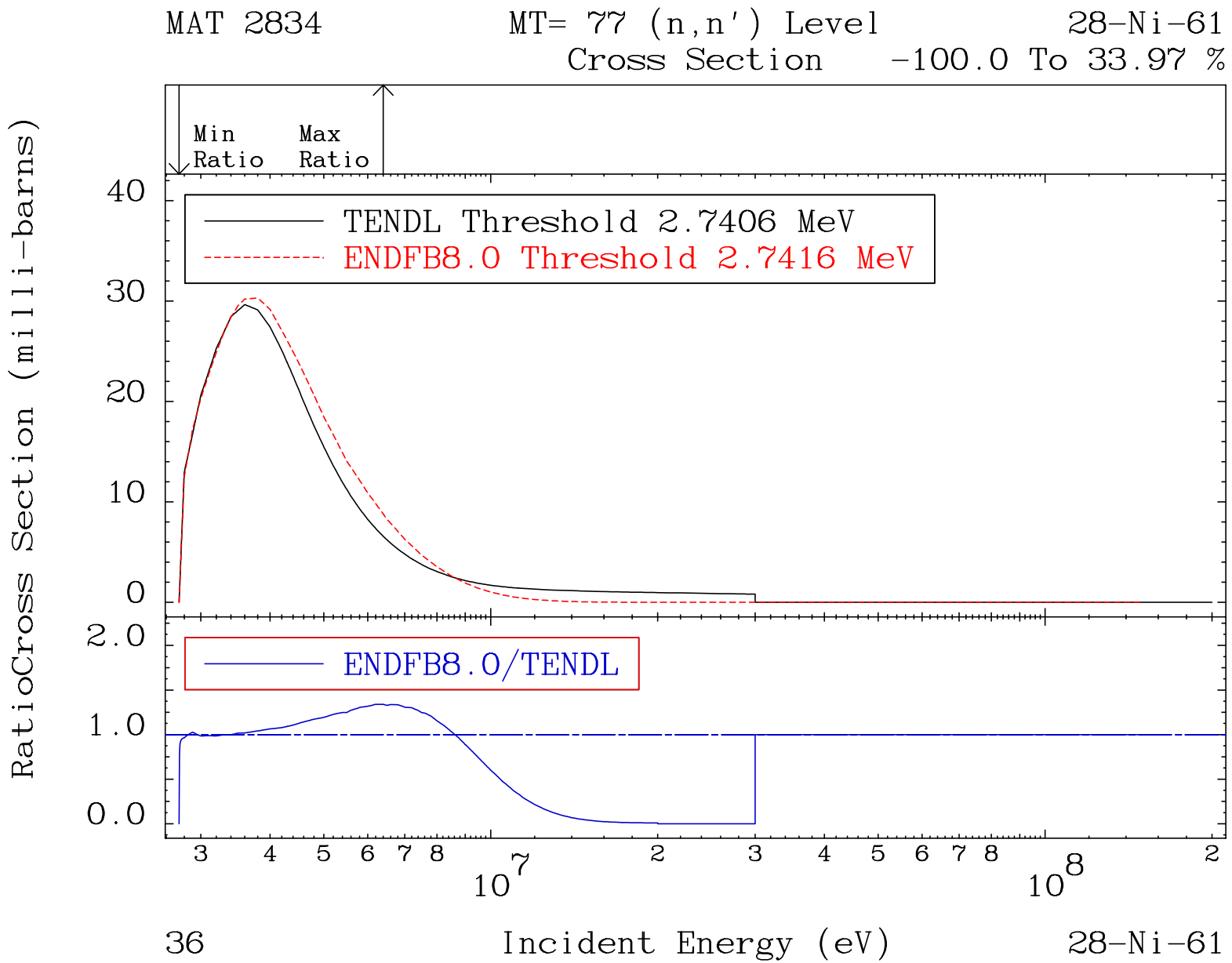

MAT 2834 Total kinematic kerma (high limit) 28-Ni-61
Cross Section -95.11 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
31
28-Ni-61

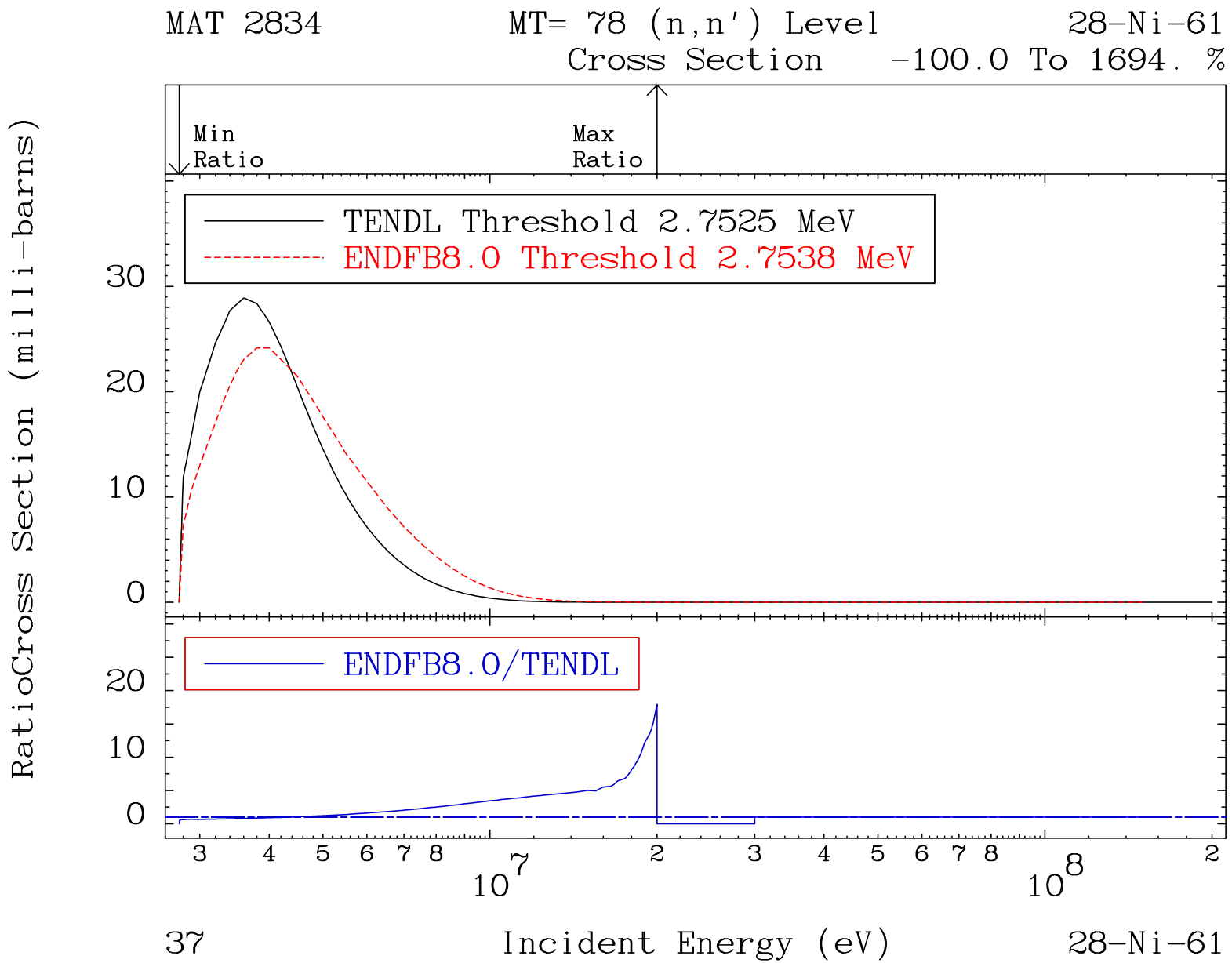

MAT 2834
Dpa total (eV-barns)
28-Ni-61
Cross Section -95.41 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
32
28-Ni-61

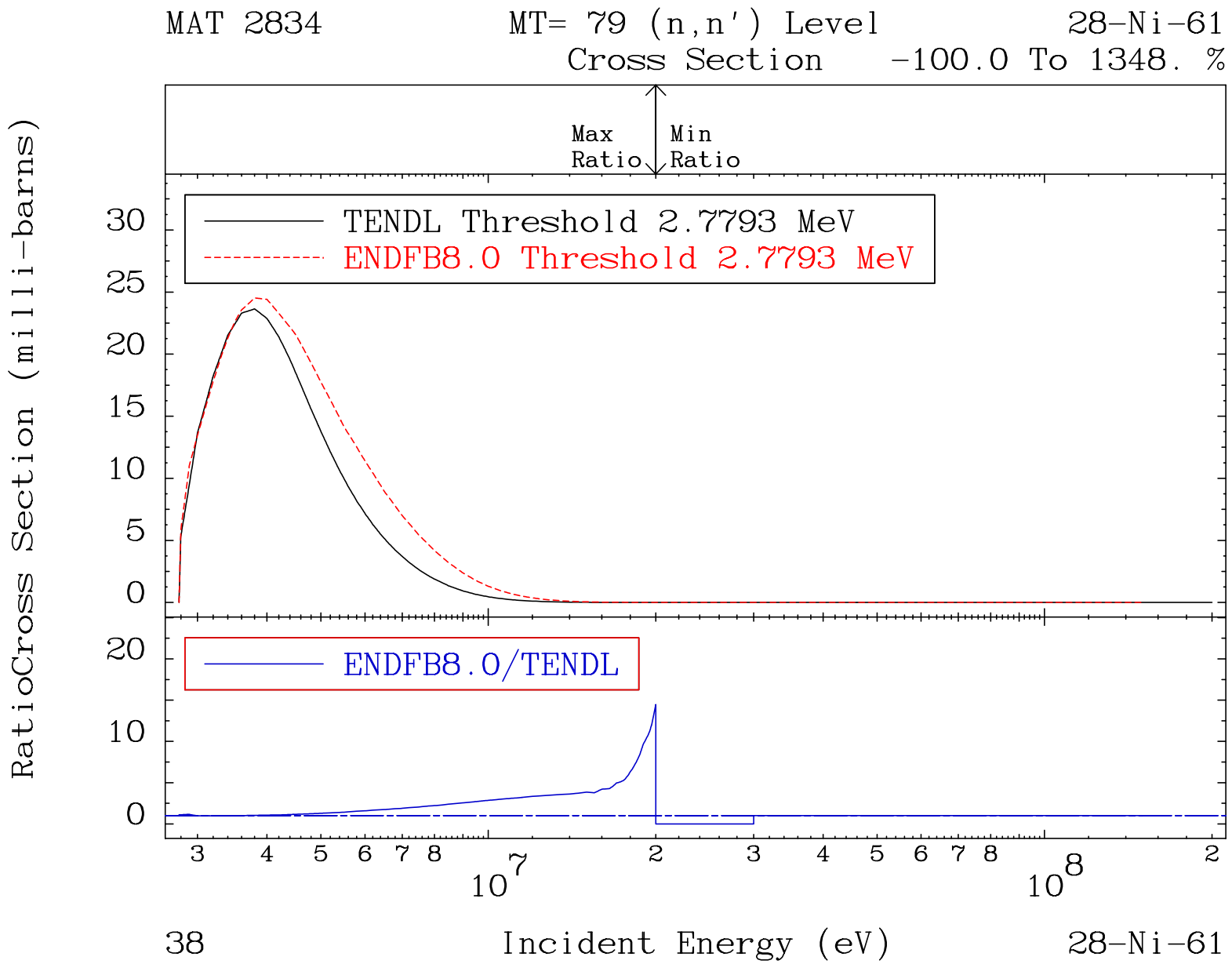

MAT 2834
Dpa elastic (mt2)
Cross Section
28-Ni-61
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 656.25 eV
JEFF3.3 Threshold 625.00 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
33
28-Ni-61

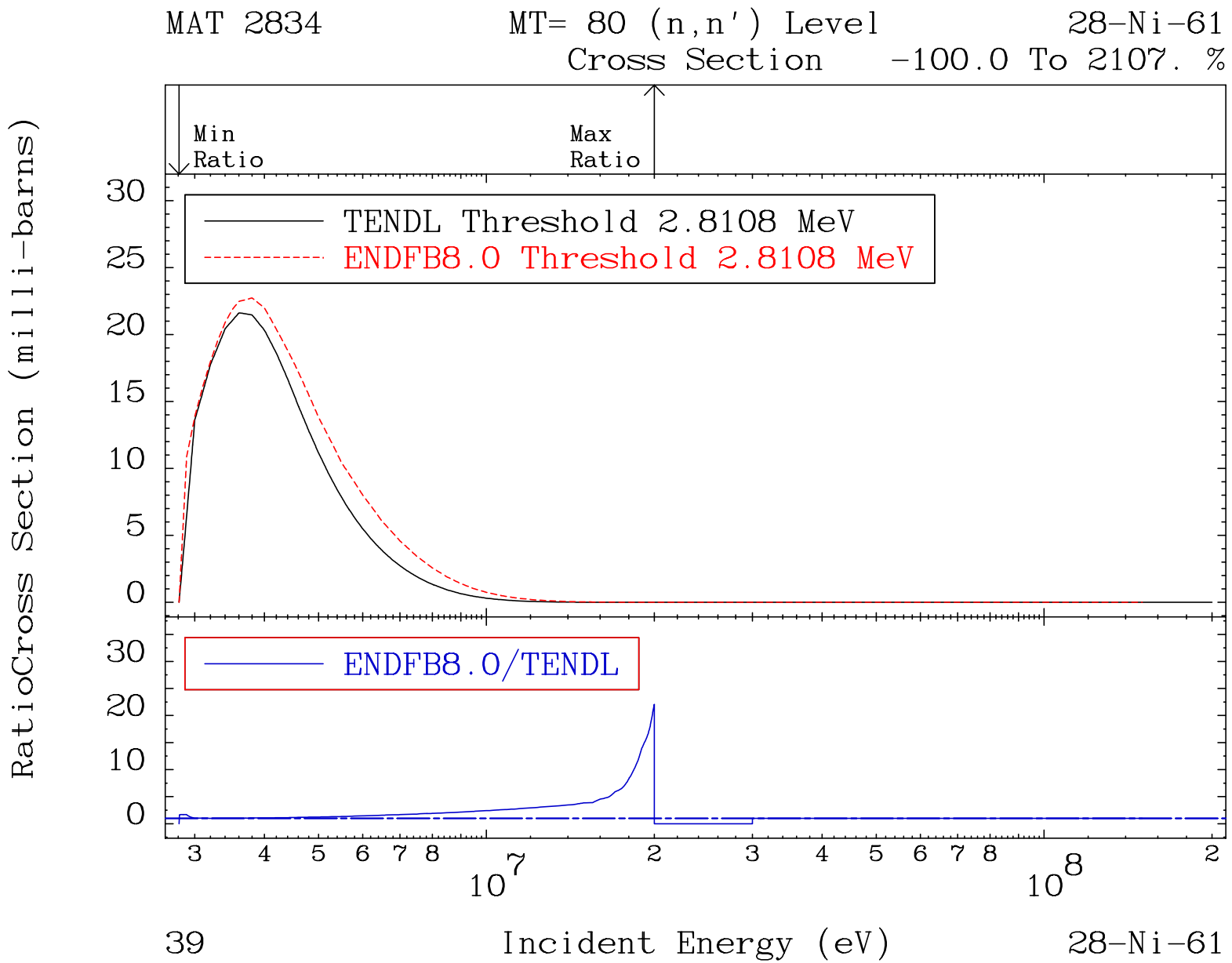

MAT 2834
Dpa inelastic (mt51-91)
28-Ni-61
Cross Section -100.0 To 103.7 %
Max Ratio
Min Ratio
TENDL Threshold 69.011 keV
JEFF3.3 Threshold 70.000 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
34
28-Ni-61

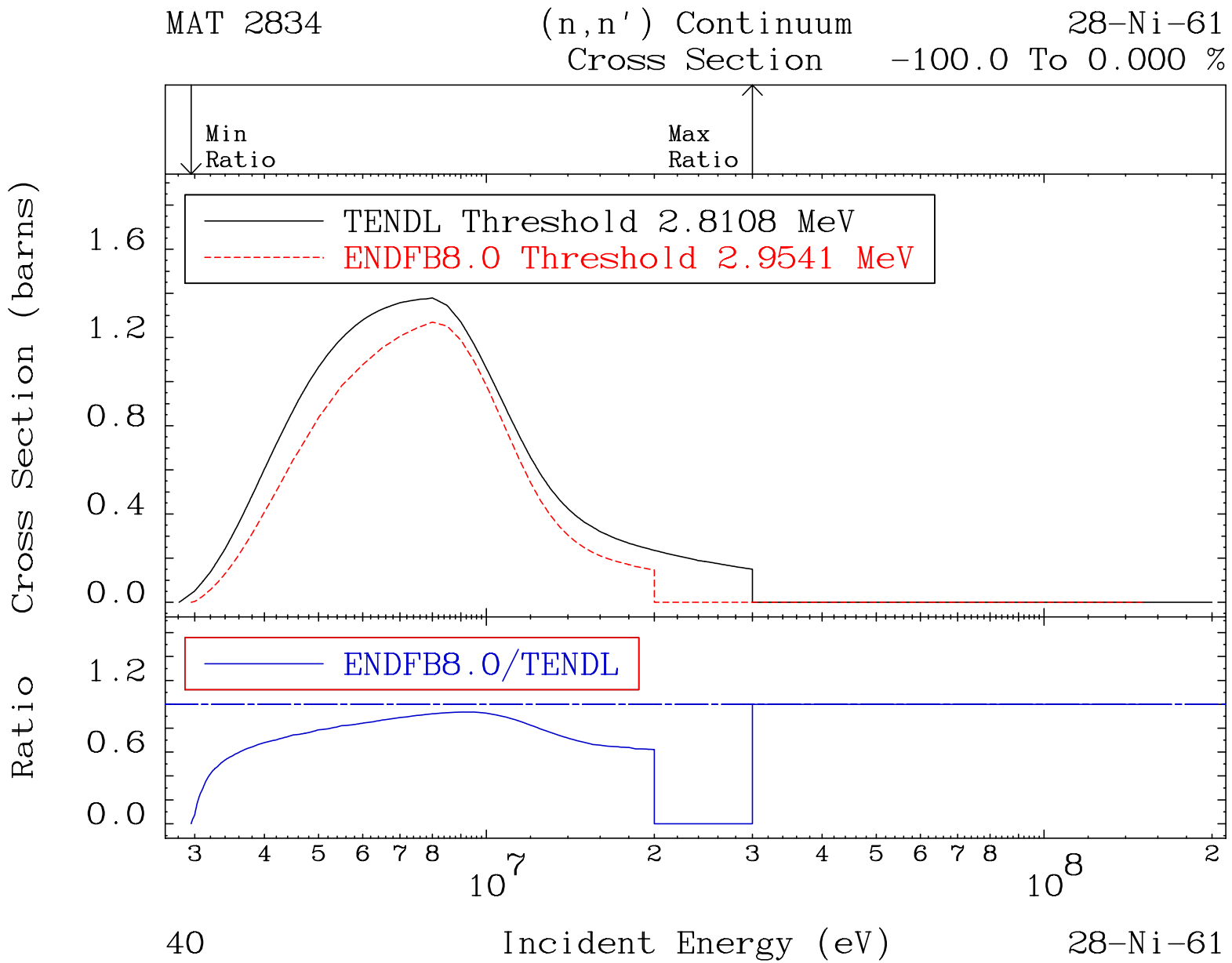

MAT 2834 Dpa disappearance (mt102 -120) 28-Ni-61
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
35
28-Ni-61

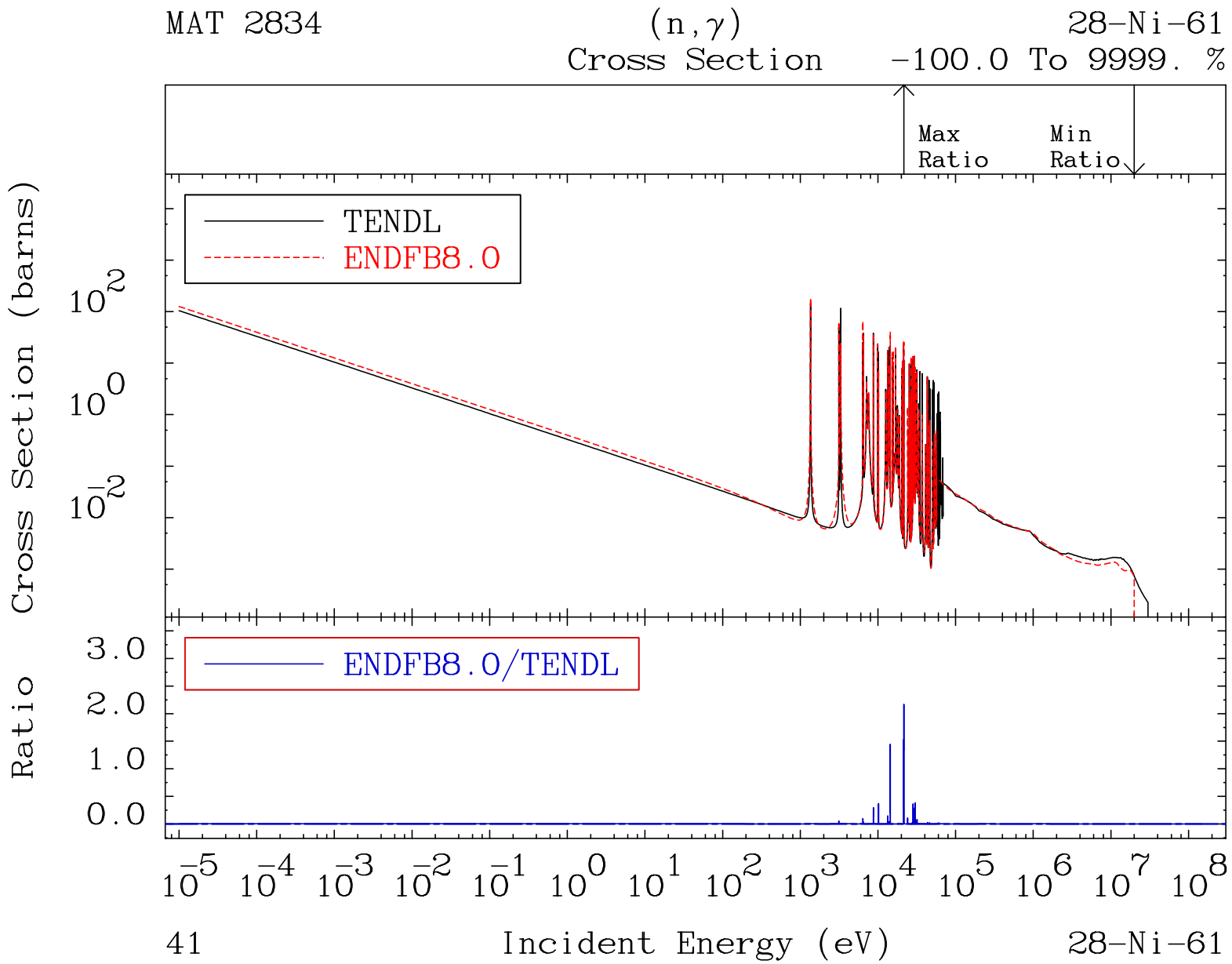

MAT 2834
MT= 77 (n,n') Level
28-Ni-61
Cross Section -100.0 To 33.97 %
Min Ratio
Max Ratio
TENDL Threshold 2.7406 MeV
ENDFB8.0 Threshold 2.7416 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
36
Incident Energy (eV)
28-Ni-61

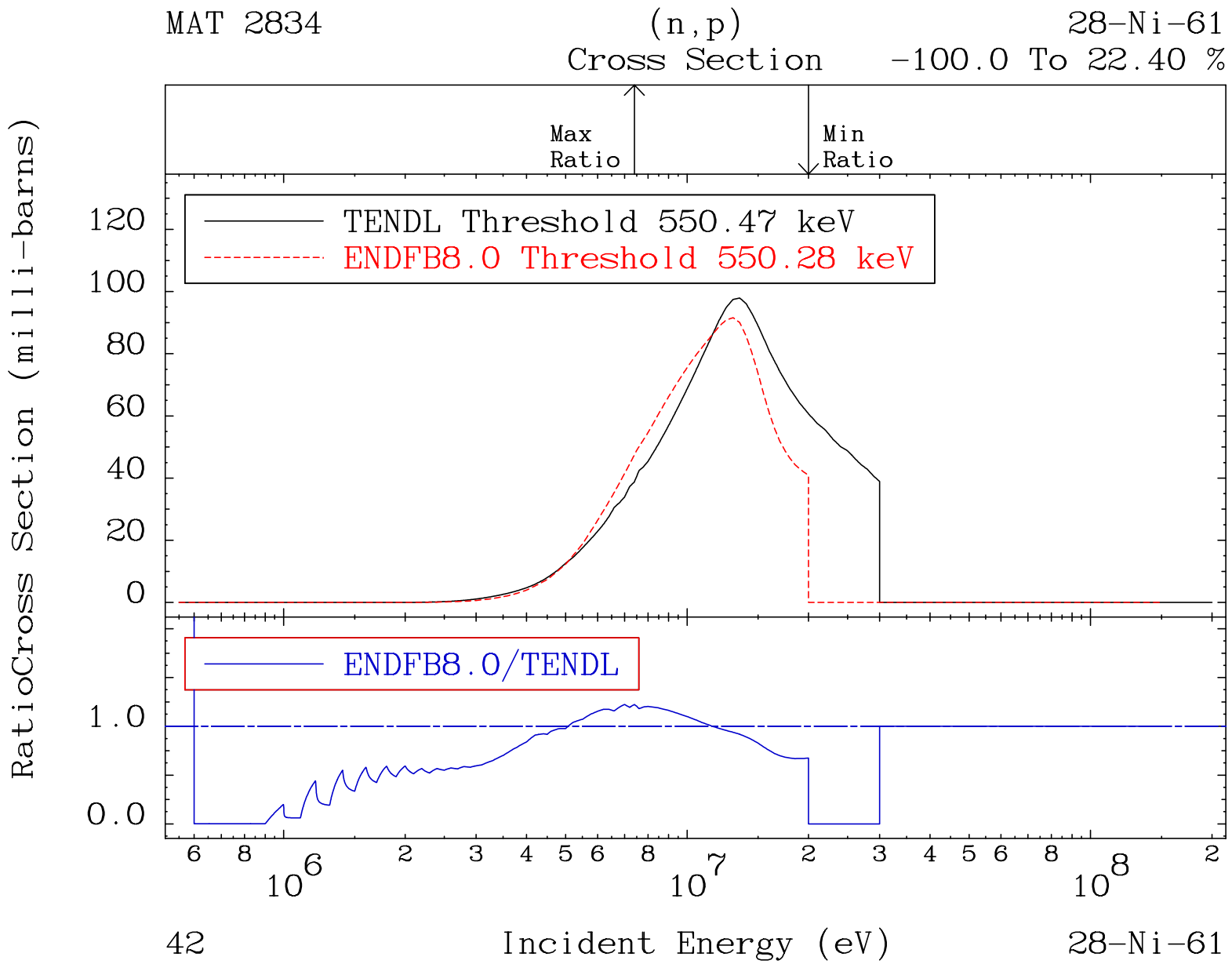

MAT 2834
MT= 78 (n,n') Level
28-Ni-61
Cross Section -100.0 To 1694. %
Min Ratio
Max Ratio
TENDL Threshold 2.7525 MeV
ENDFB8.0 Threshold 2.7538 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
30
20
10
0
20
10
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
37
Incident Energy (eV)
28-Ni-61

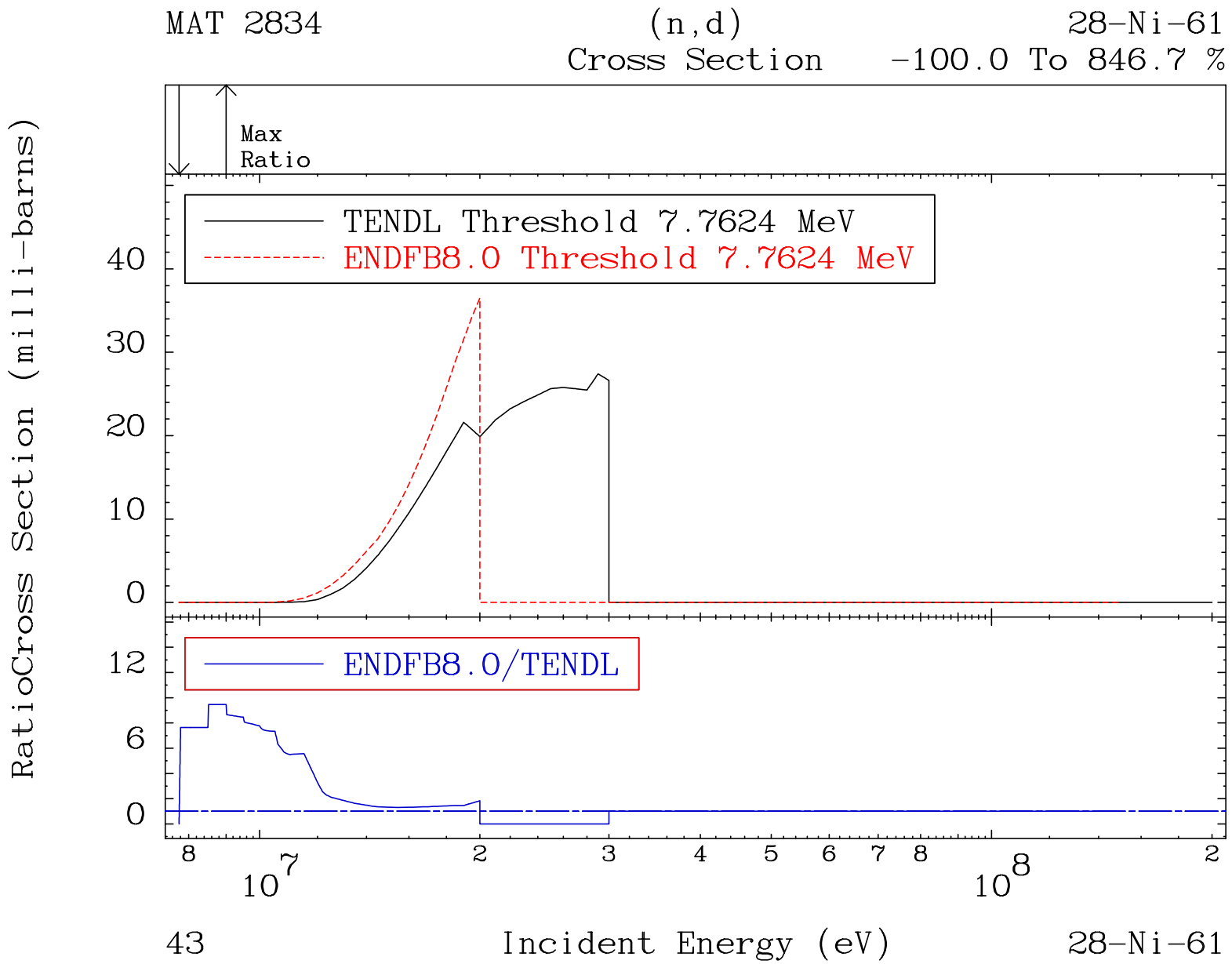

MAT 2834
MT= 79 (n,n') Level
28-Ni-61
Cross Section -100.0 To 1348. %
Max Ratio
Min Ratio
TENDL Threshold 2.7793 MeV
ENDFB8.0 Threshold 2.7793 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
20
10
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
38
Incident Energy (eV)
28-Ni-61

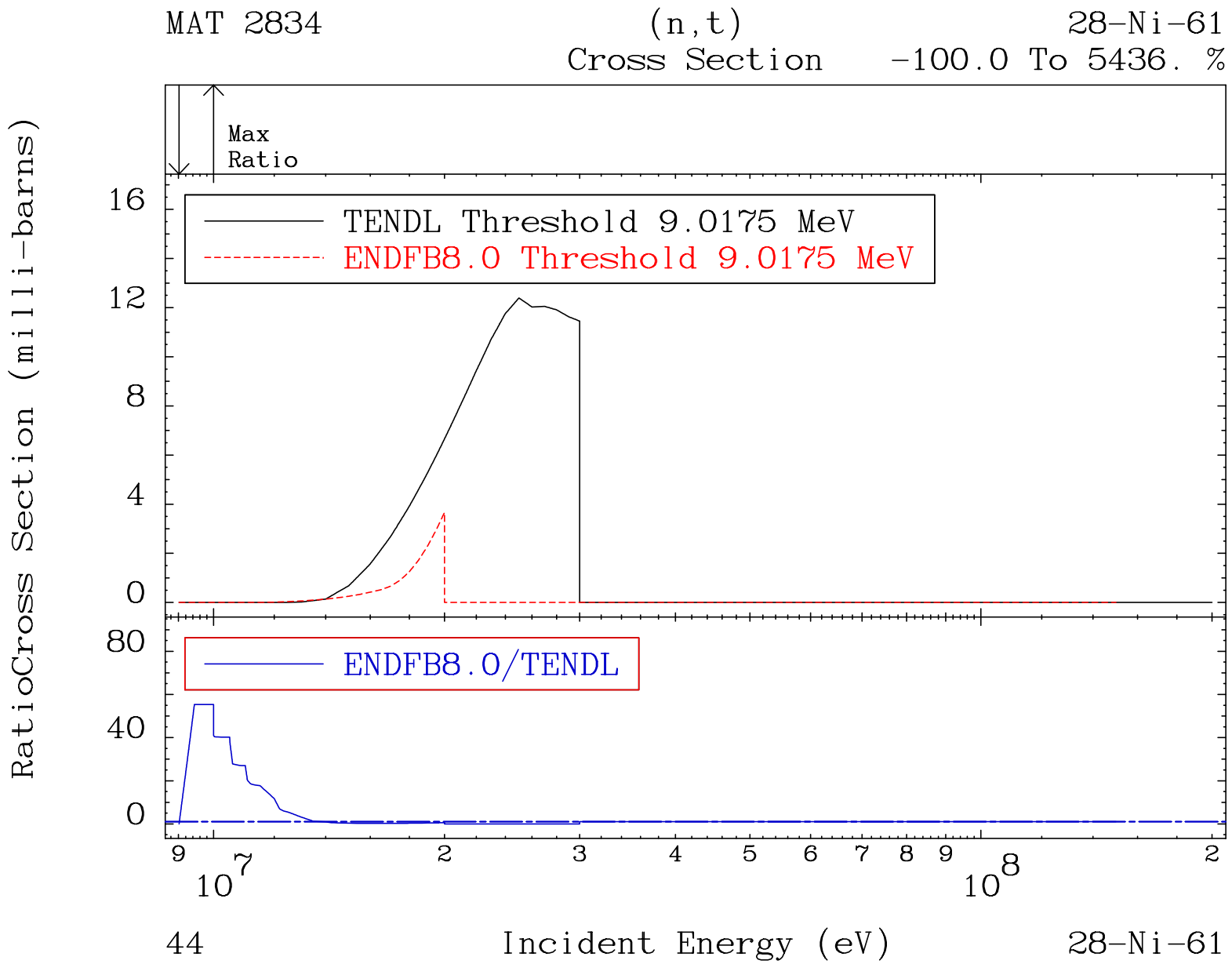

MAT 2834
MT= 80 (n,n') Level
28-Ni-61
Cross Section -100.0 To 2107. %
Min Ratio
Max Ratio
TENDL Threshold 2.8108 MeV
ENDFB8.0 Threshold 2.8108 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
39
28-Ni-61

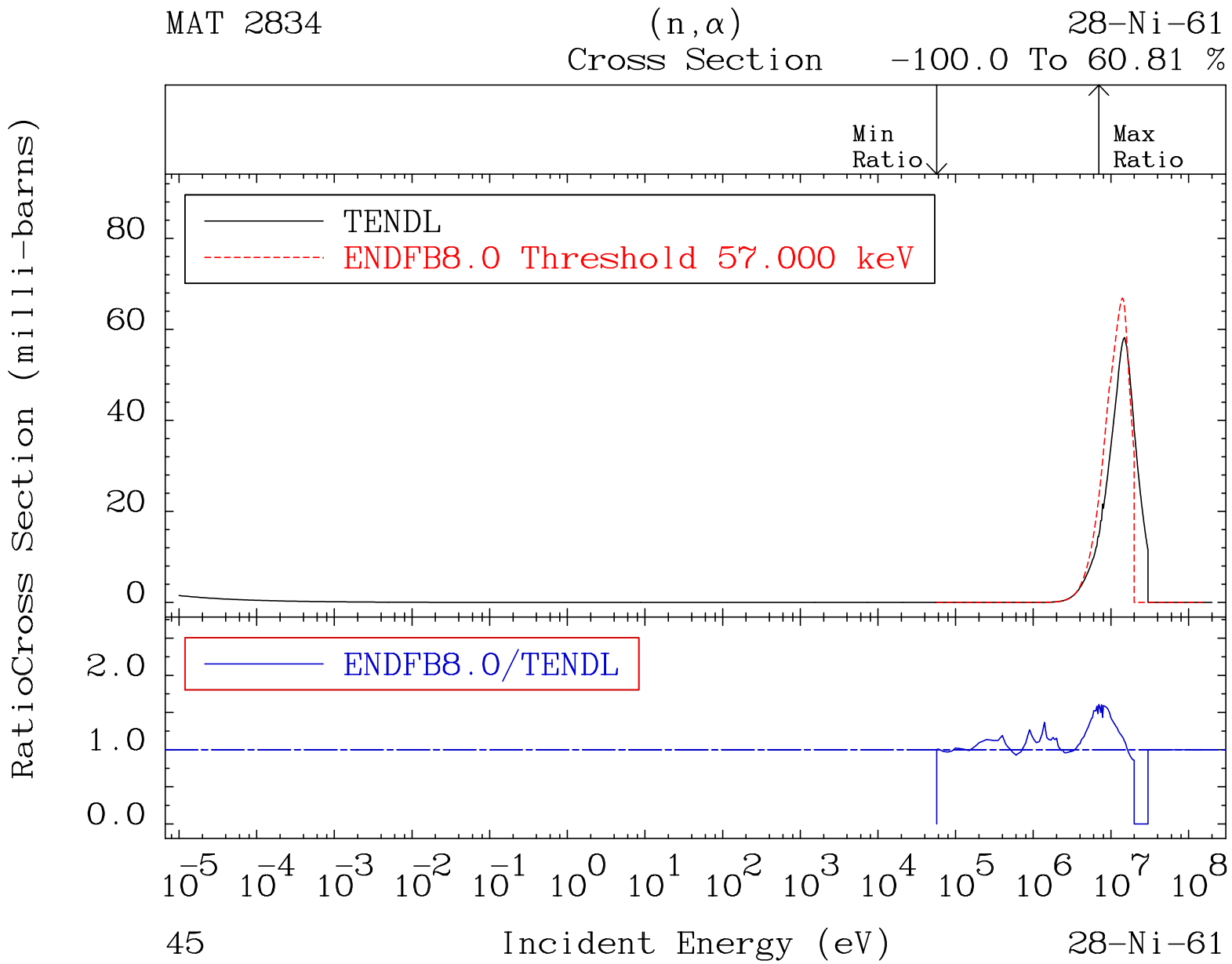

MAT 2834
(n,n') Continuum
Cross Section
28-Ni-61
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.8108 MeV
ENDFB8.0 Threshold 2.9541 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
ENDFB8.0/TENDL
Ratio
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
40
Incident Energy (eV)
28-Ni-61

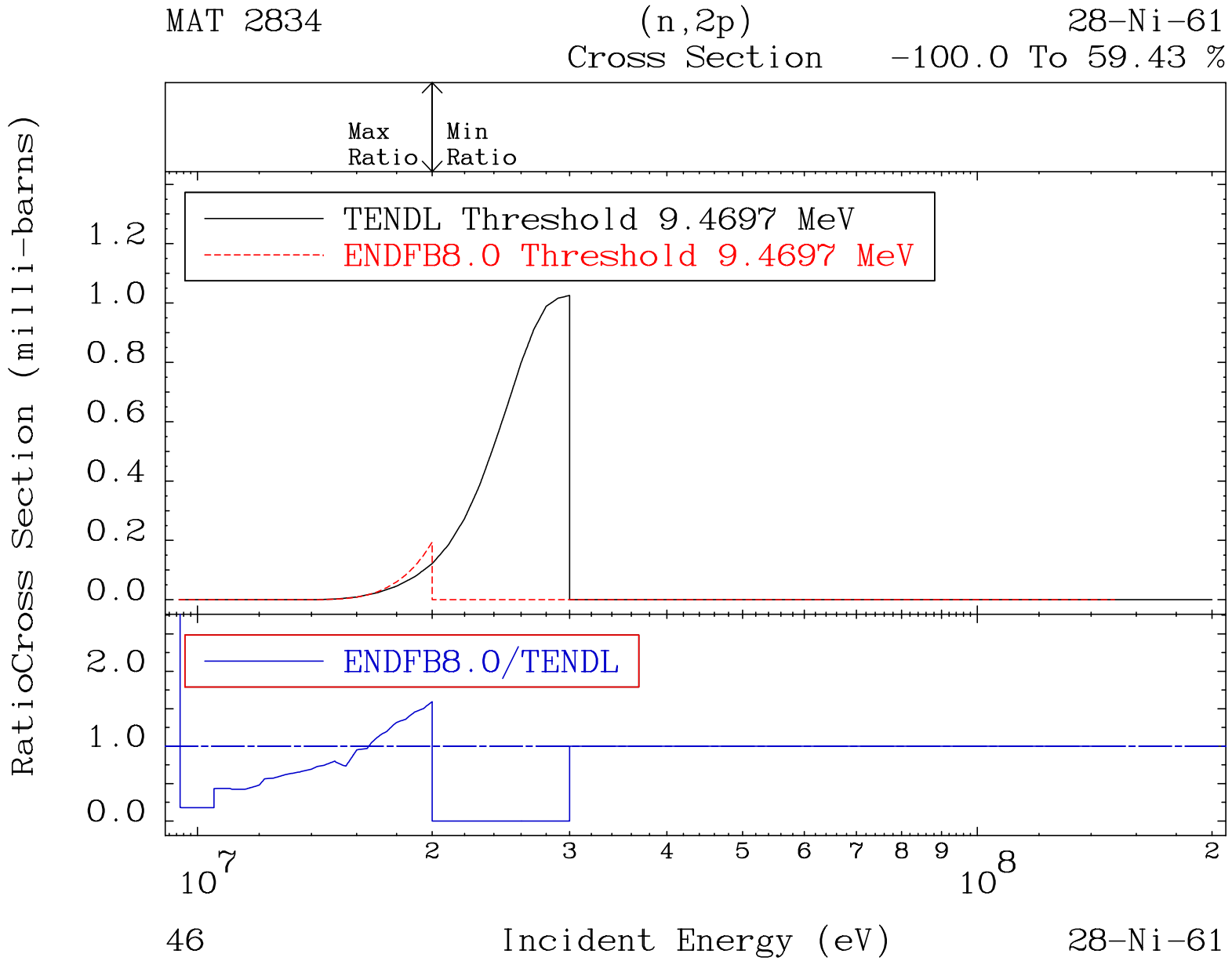

MAT 2834
(n,γ)
Cross Section
28-Ni-61
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
10^2
10^0
10^-2
ENDFB8.0/TENDL
Ratio
3.0
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
41
Incident Energy (eV)
28-Ni-61

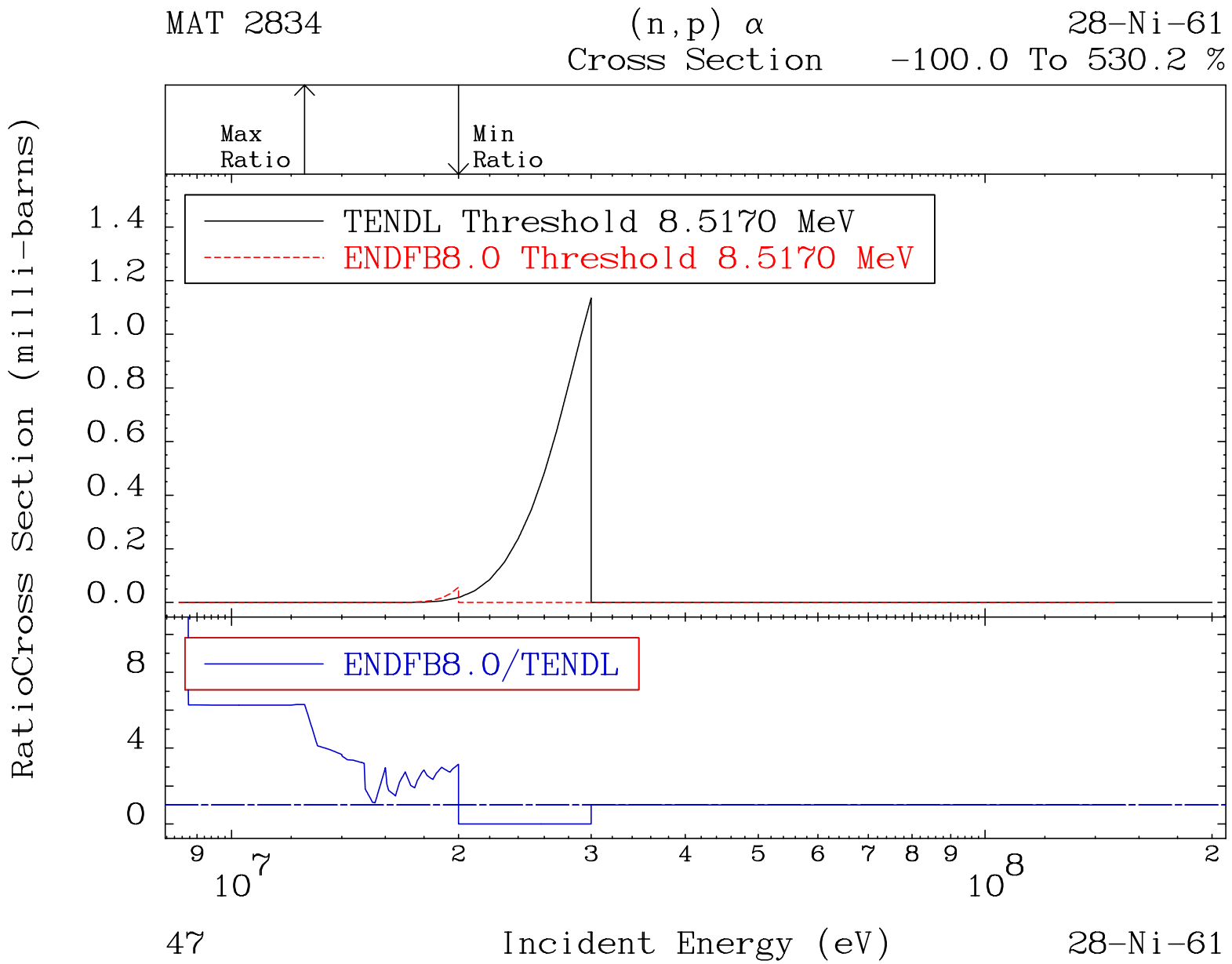

MAT 2834
(n,p)
28-Ni-61
Cross Section
-100.0 To 22.40 %
Max Ratio
Min Ratio
TENDL Threshold 550.47 keV
ENDFB8.0 Threshold 550.28 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.0
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
42
Incident Energy (eV)
28-Ni-61

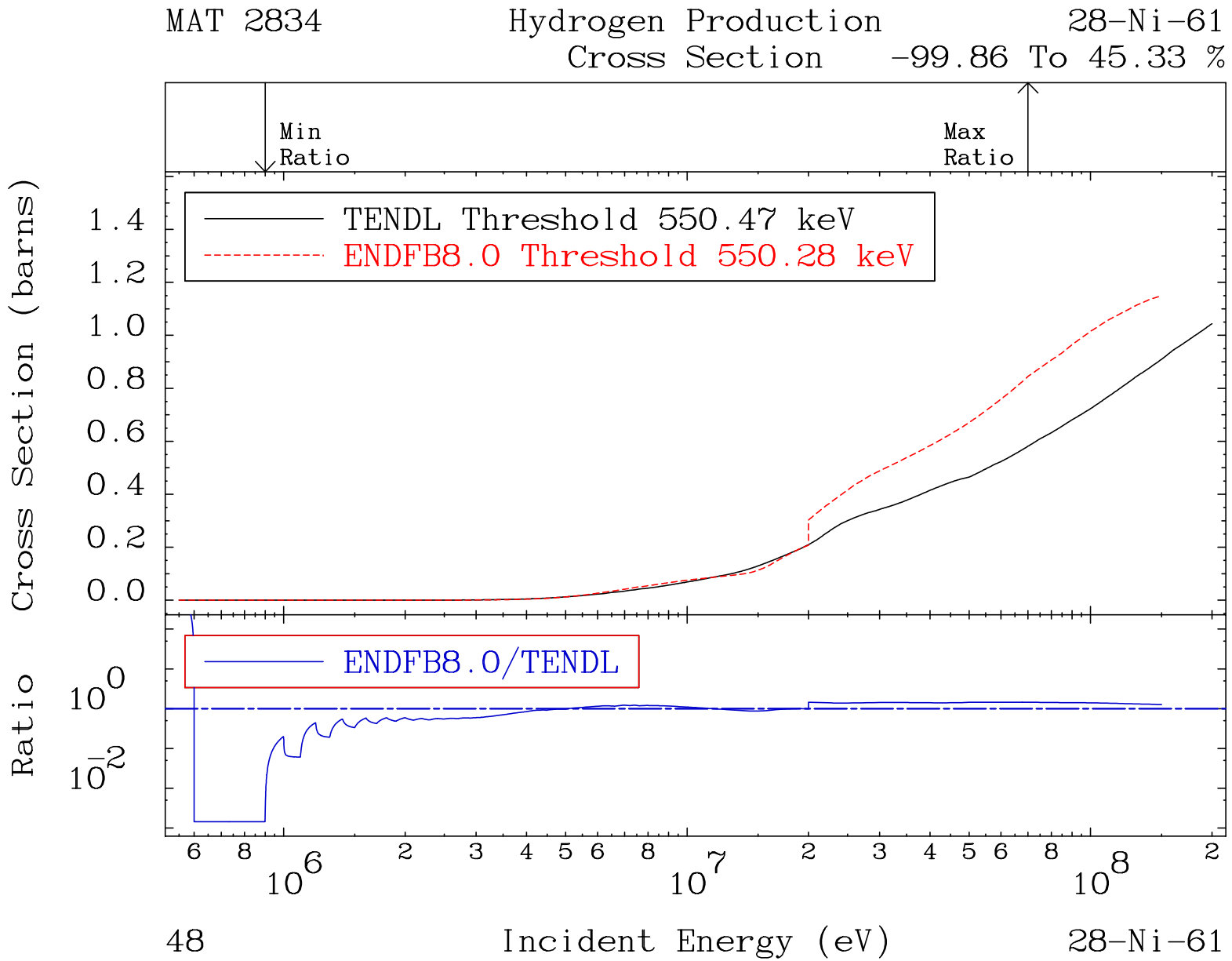

MAT 2834
(n,d)
28-Ni-61
Cross Section
-100.0 To 846.7 %
Max
Ratio
TENDL Threshold 7.7624 MeV
ENDFB8.0 Threshold 7.7624 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
12
6
0
8
2
3
4
5
6
7
8
2
10^7
10^8
43
Incident Energy (eV)
28-Ni-61

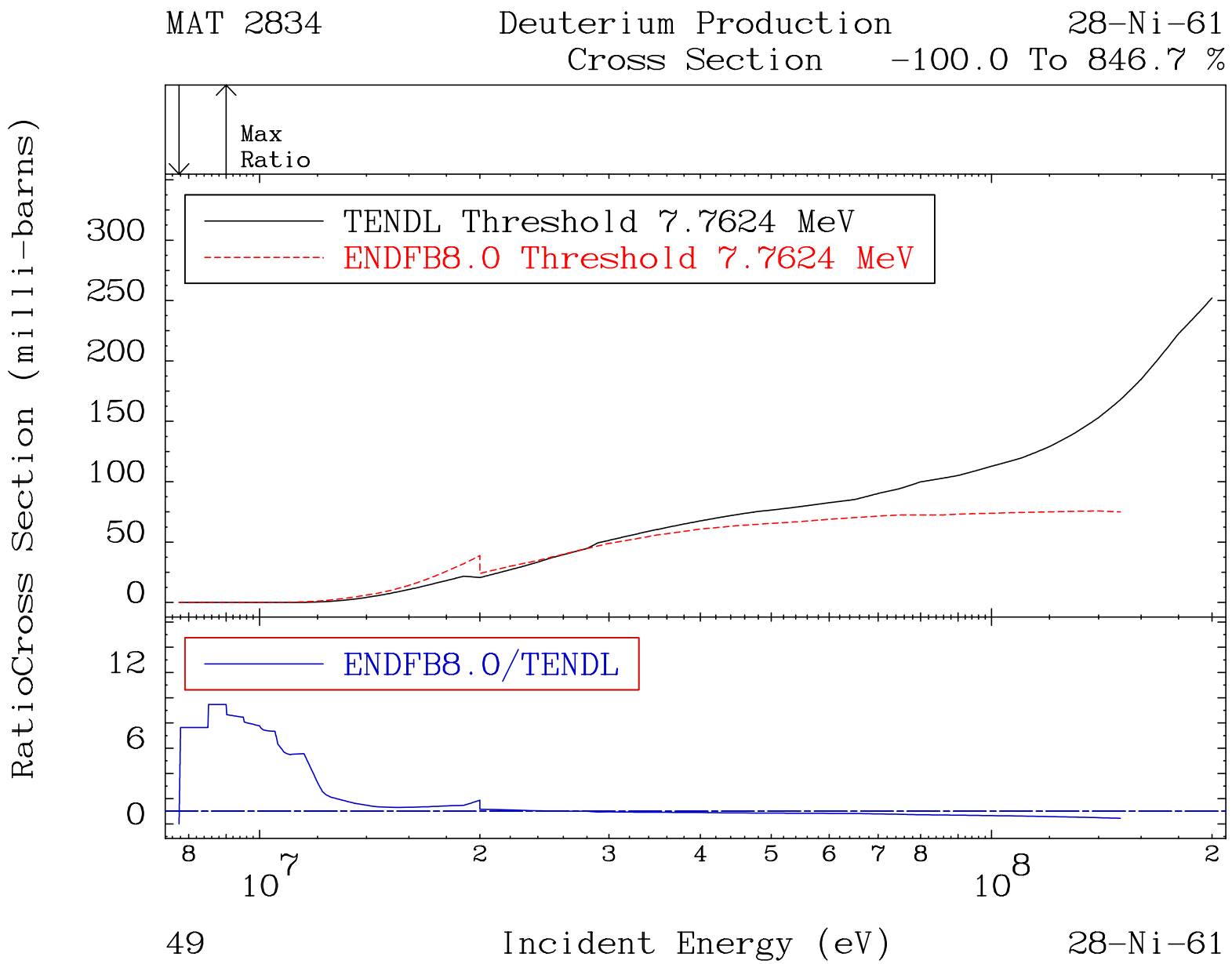

MAT 2834
(n,t)
28-Ni-61
Cross Section
-100.0 To 5436. %
Max
Ratio
TENDL Threshold 9.0175 MeV
ENDFB8.0 Threshold 9.0175 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
80
40
0
9
2
3
4
5
6
7
8
9
2
10^7
10^8
44
Incident Energy (eV)
28-Ni-61

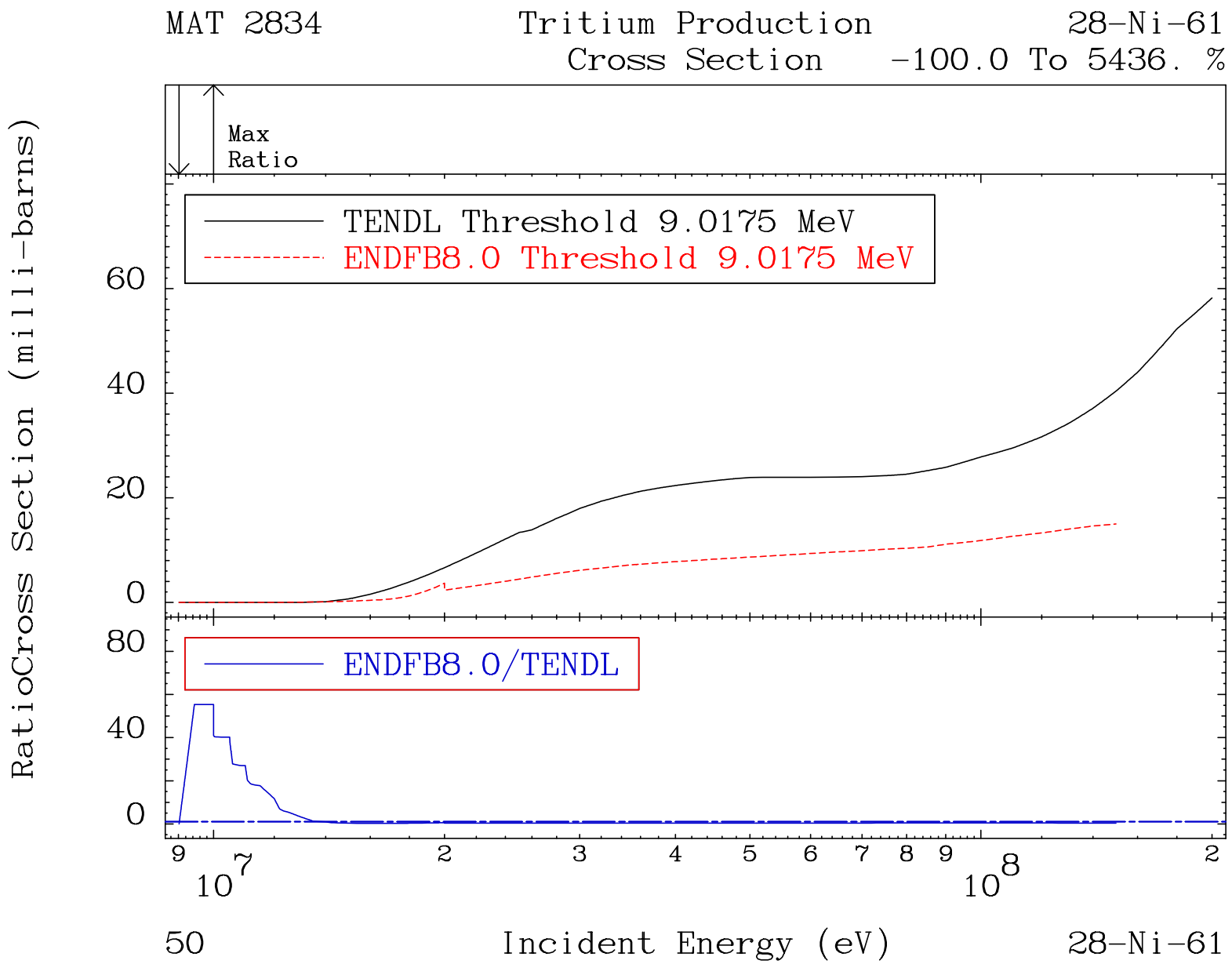

MAT 2834
(n,α)
Cross Section
28-Ni-61
-100.0 To 60.81 %
Min Ratio
Max Ratio
TENDL
ENDFB8.0 Threshold 57.000 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
45
Incident Energy (eV)
28-Ni-61

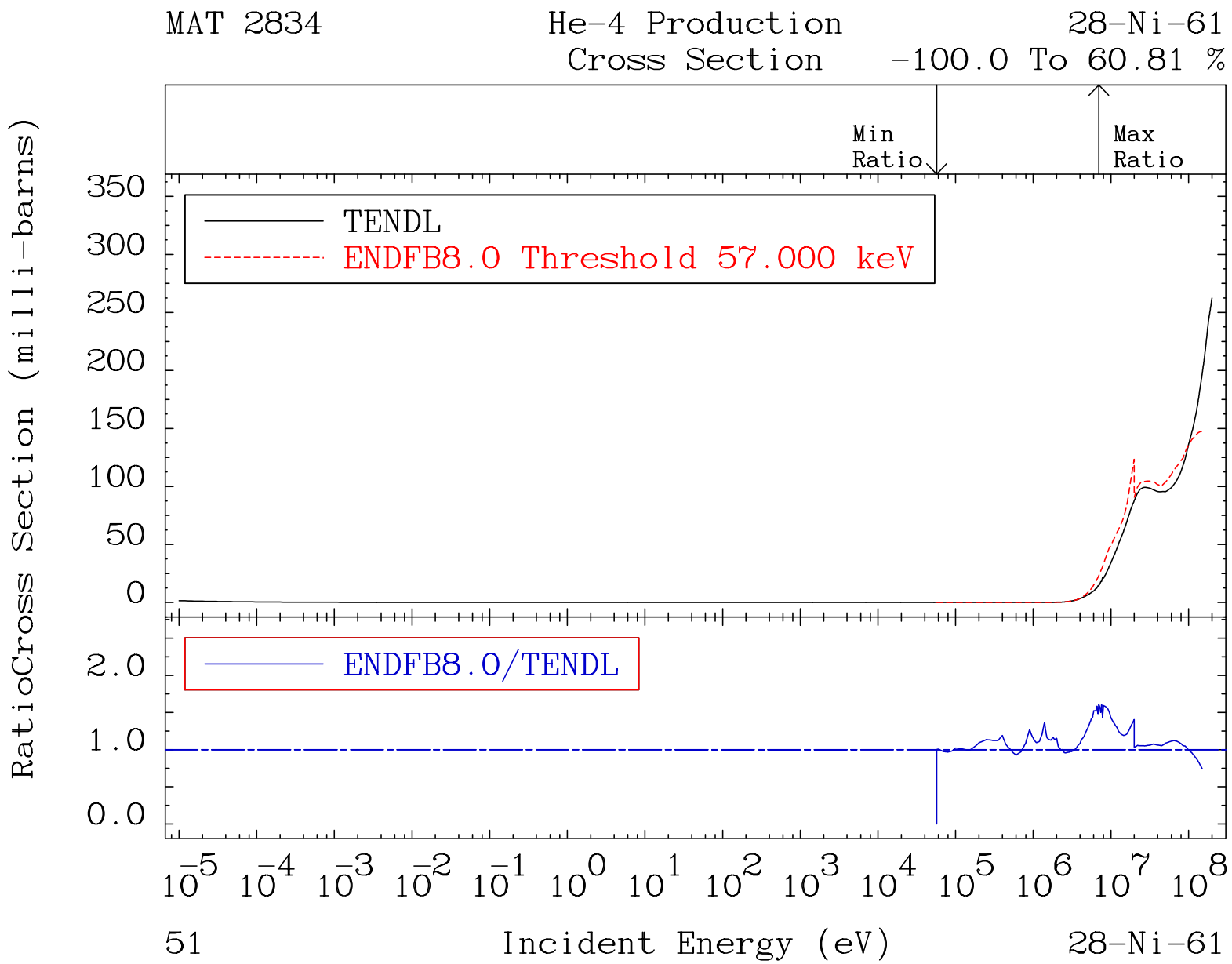

MAT 2834
(n,2p)
Cross Section
28-Ni-61
-100.0 To 59.43 %
Max Ratio
Min Ratio
TENDL Threshold 9.4697 MeV
ENDFB8.0 Threshold 9.4697 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
46
Incident Energy (eV)
28-Ni-61

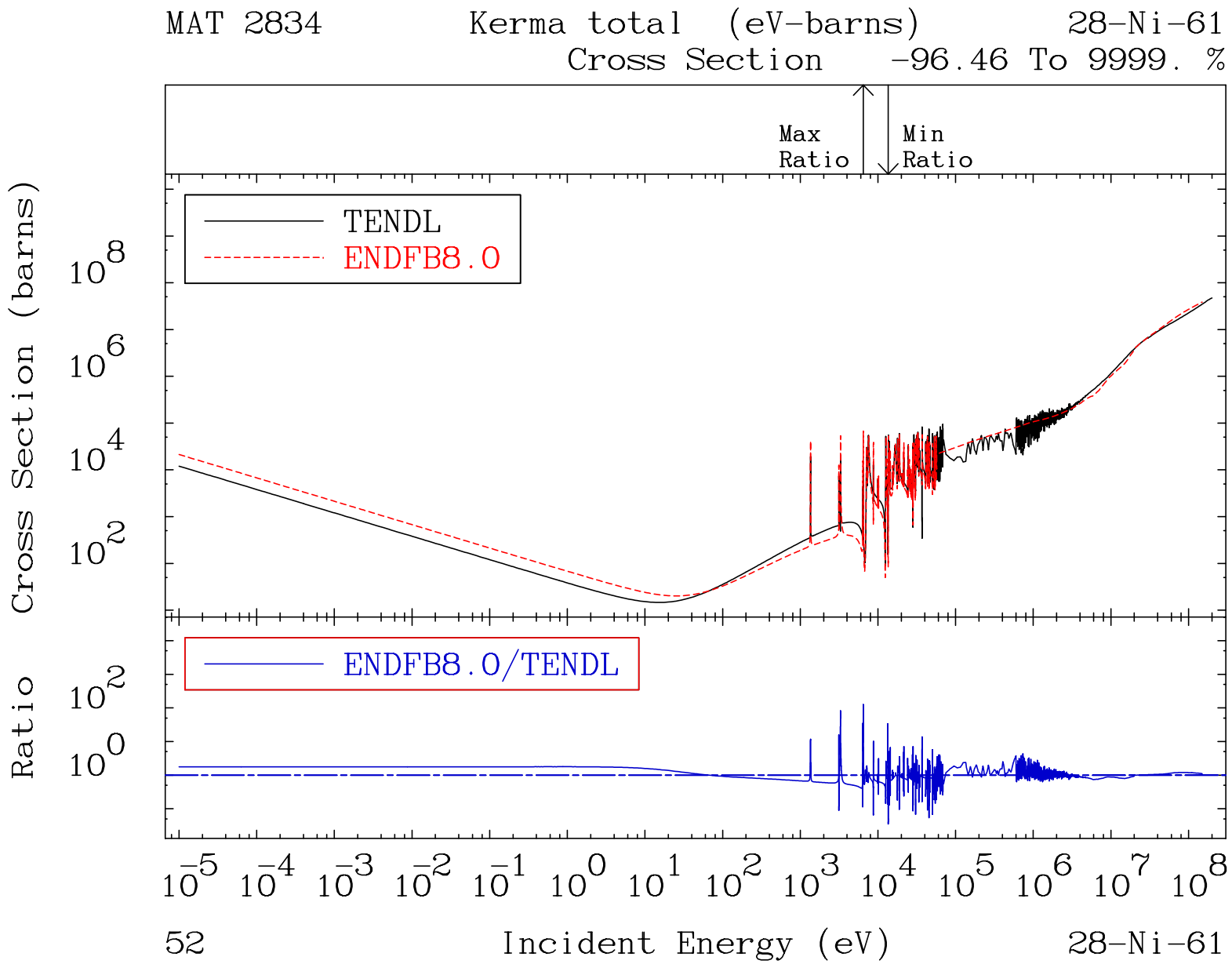

MAT 2834
(n,p) α
Cross Section
28-Ni-61
-100.0 To 530.2 %
Max Ratio
Min Ratio
TENDL Threshold 8.5170 MeV
ENDFB8.0 Threshold 8.5170 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
8
4
0
9
2
3
4
5
6
7
8
9
2
10^7
10^8
47
Incident Energy (eV)
28-Ni-61

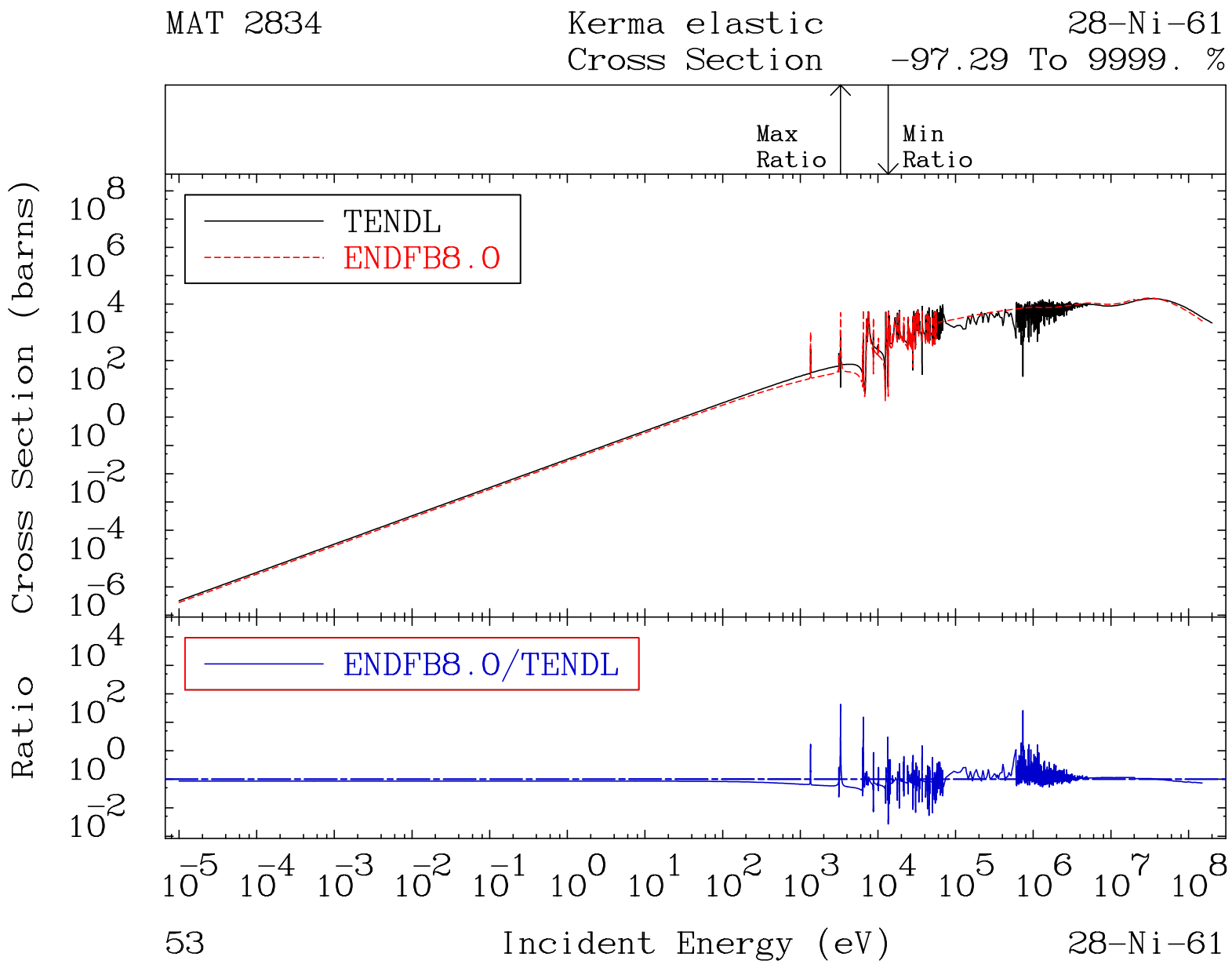

MAT 2834
Hydrogen Production
28-Ni-61
Cross Section
-99.86 To 45.33 %
Min Ratio
Max Ratio
TENDL Threshold 550.47 keV
ENDFB8.0 Threshold 550.28 keV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
48
Incident Energy (eV)
28-Ni-61

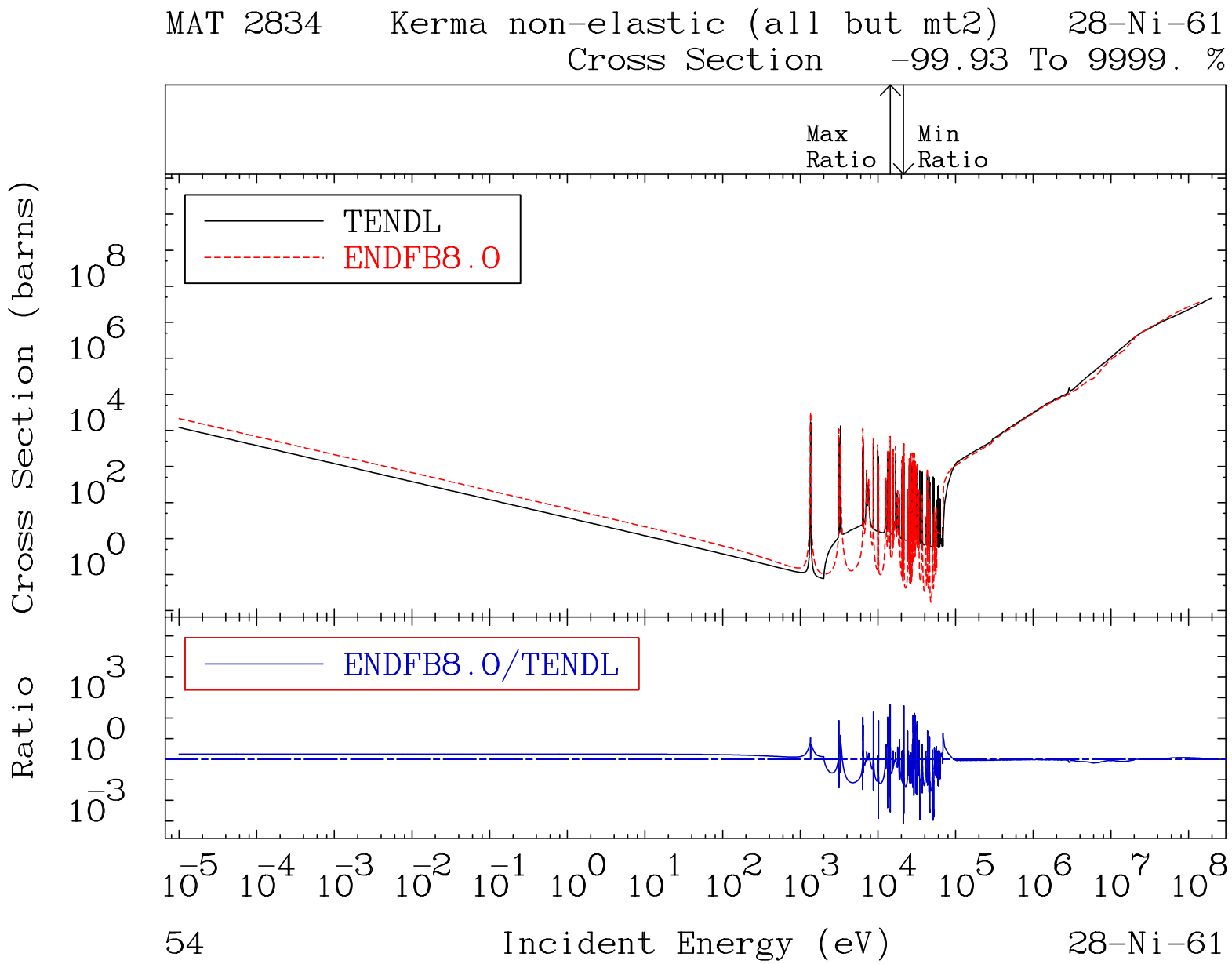

MAT 2834
Deuterium Production
28-Ni-61
Cross Section -100.0 To 846.7 %
Max
Ratio
TENDL Threshold 7.7624 MeV
ENDFB8.0 Threshold 7.7624 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
12
6
0
8
2
3
4
5
6
7
8
2
10^7
10^8
49
Incident Energy (eV)
28-Ni-61

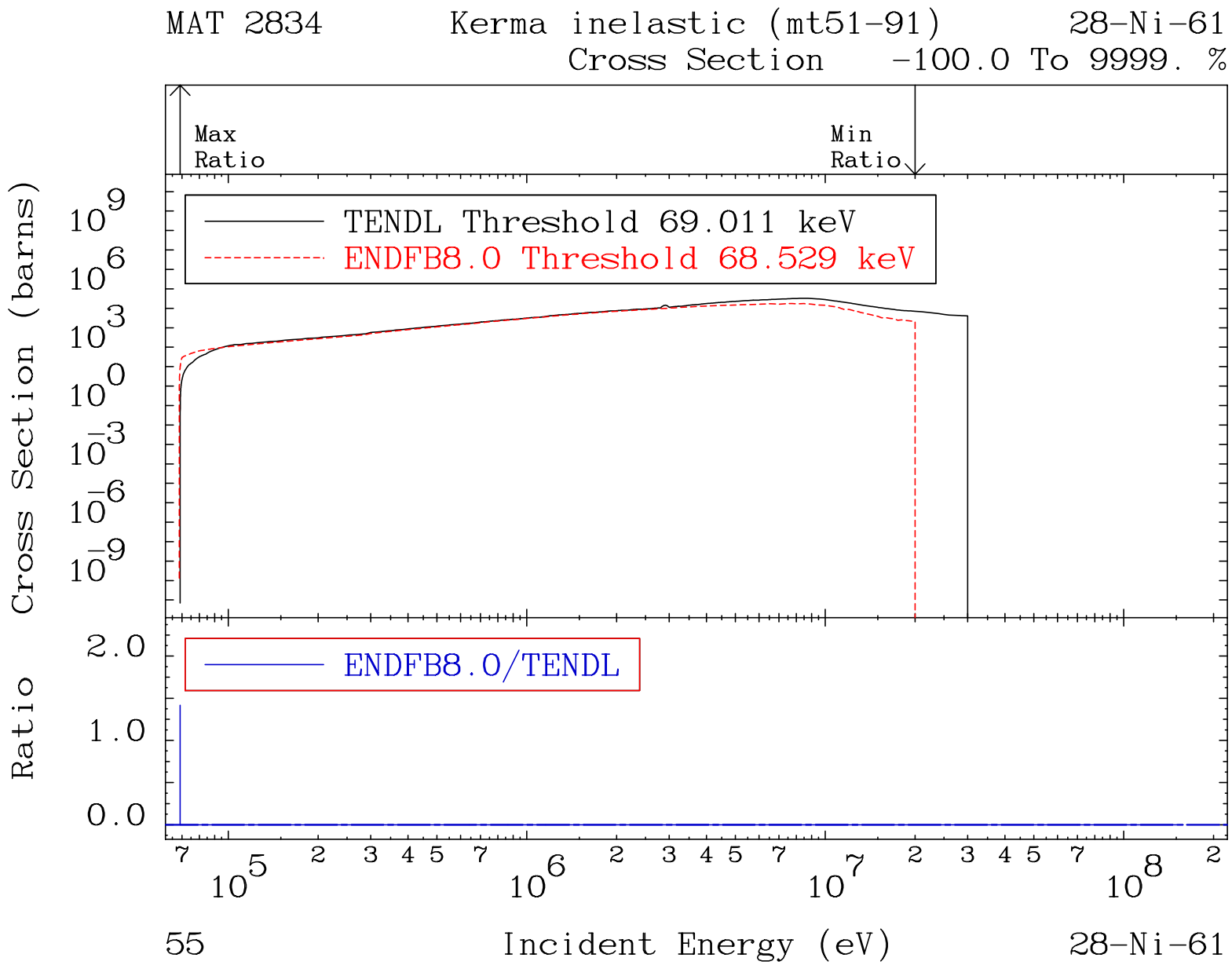

MAT 2834
Tritium Production
28-Ni-61
Cross Section
-100.0 To 5436. %
Max
Ratio
TENDL Threshold 9.0175 MeV
ENDFB8.0 Threshold 9.0175 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
80
40
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
50
Incident Energy (eV)
28-Ni-61

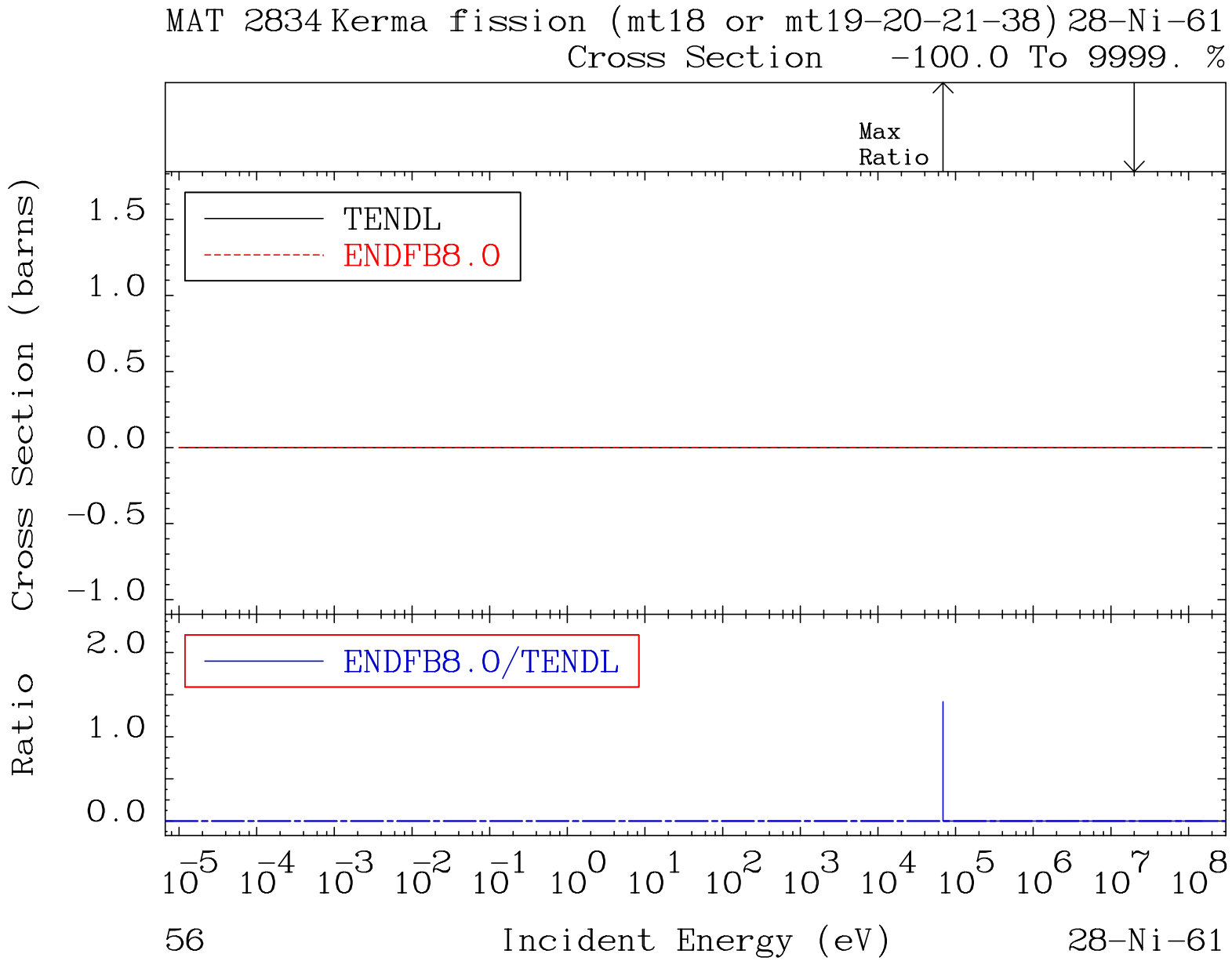

MAT 2834
He-4 Production
Cross Section
28-Ni-61
-100.0 To 60.81 %
Min Ratio
Max Ratio
TENDL
ENDFB8.0 Threshold 57.000 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
51
Incident Energy (eV)
28-Ni-61

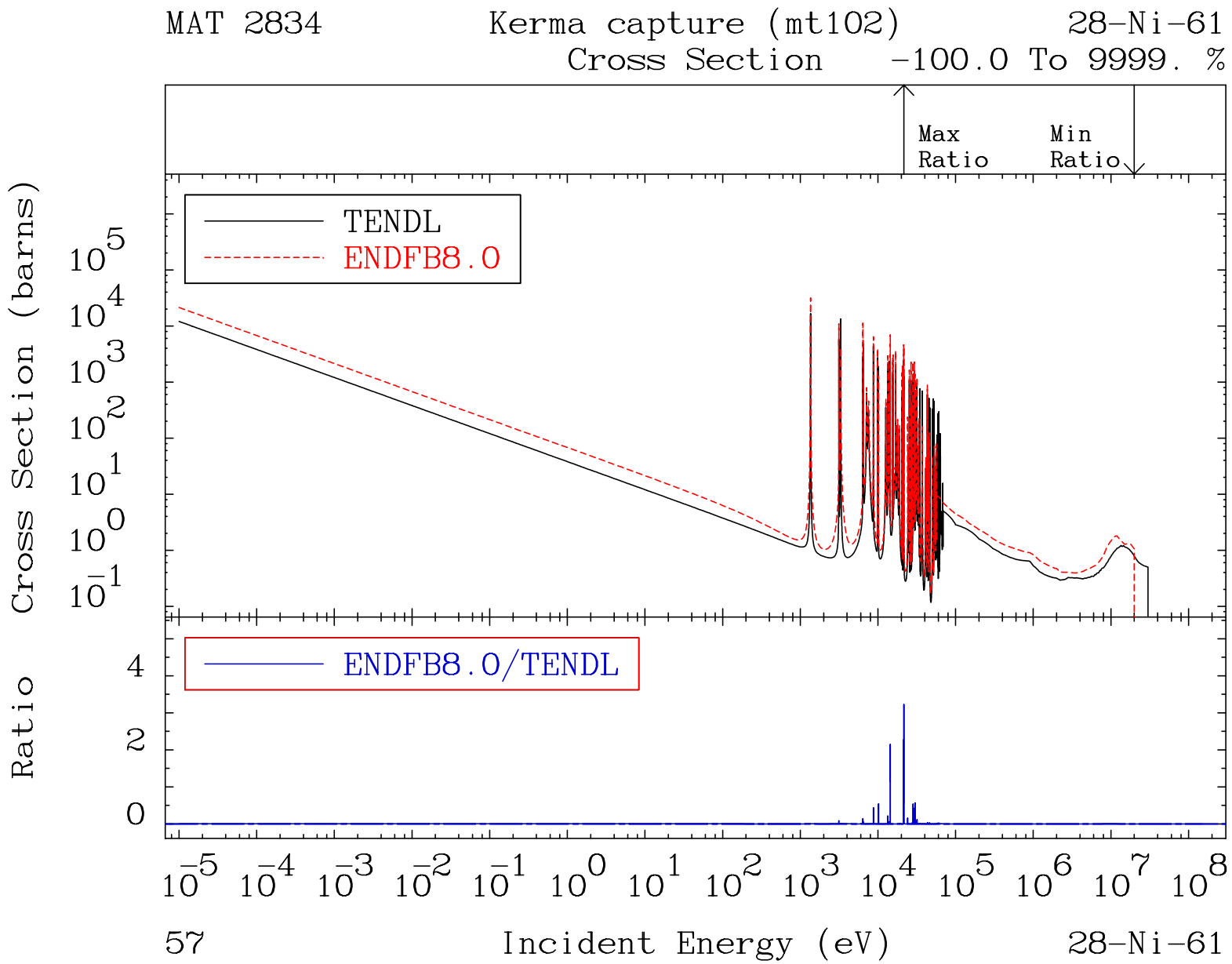

MAT 2834
Kerma total (eV-barns)
28-Ni-61
Cross Section -96.46 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
52
28-Ni-61

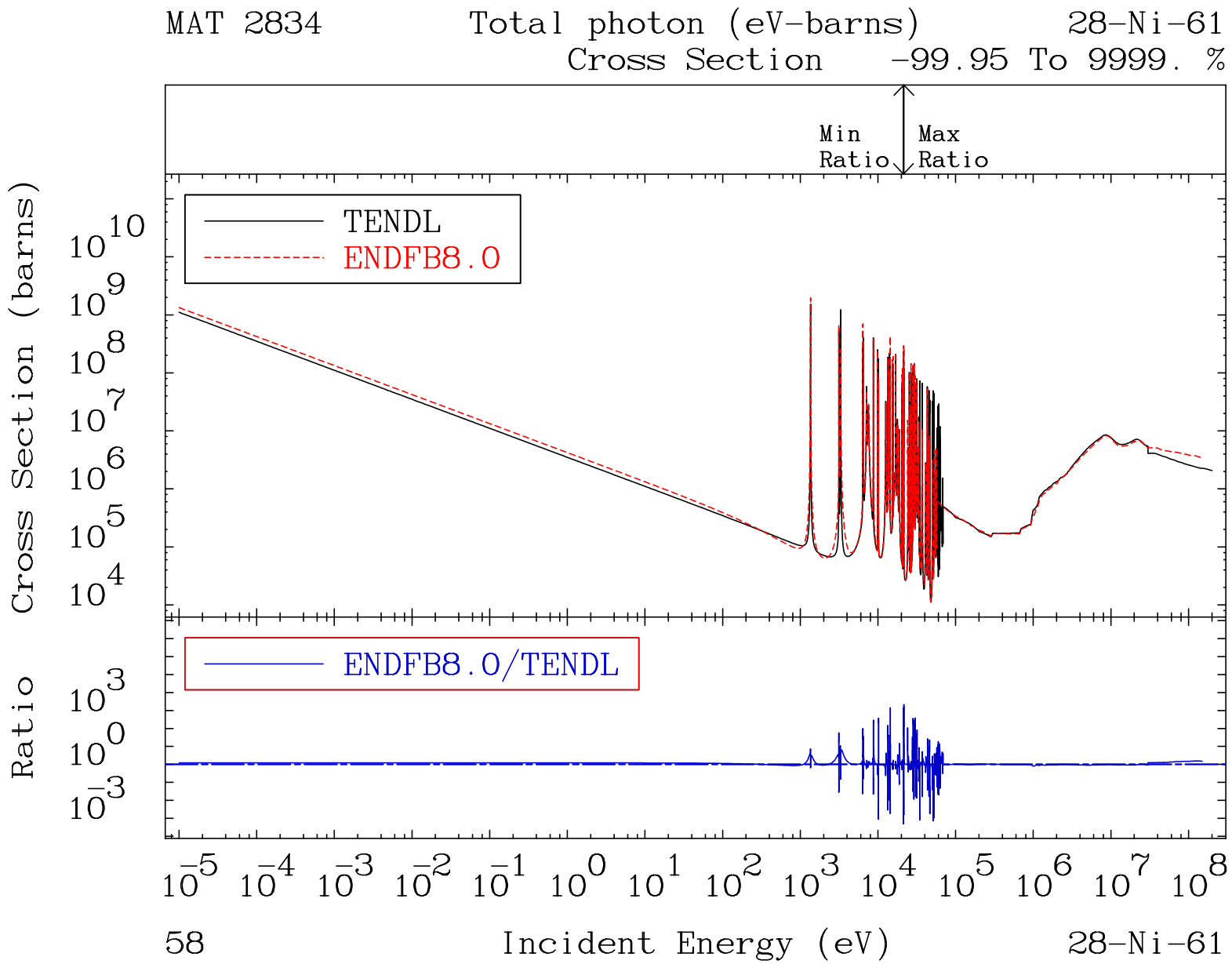

MAT 2834
Kerma elastic
Cross Section
28-Ni-61
-97.29 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
28-Ni-61

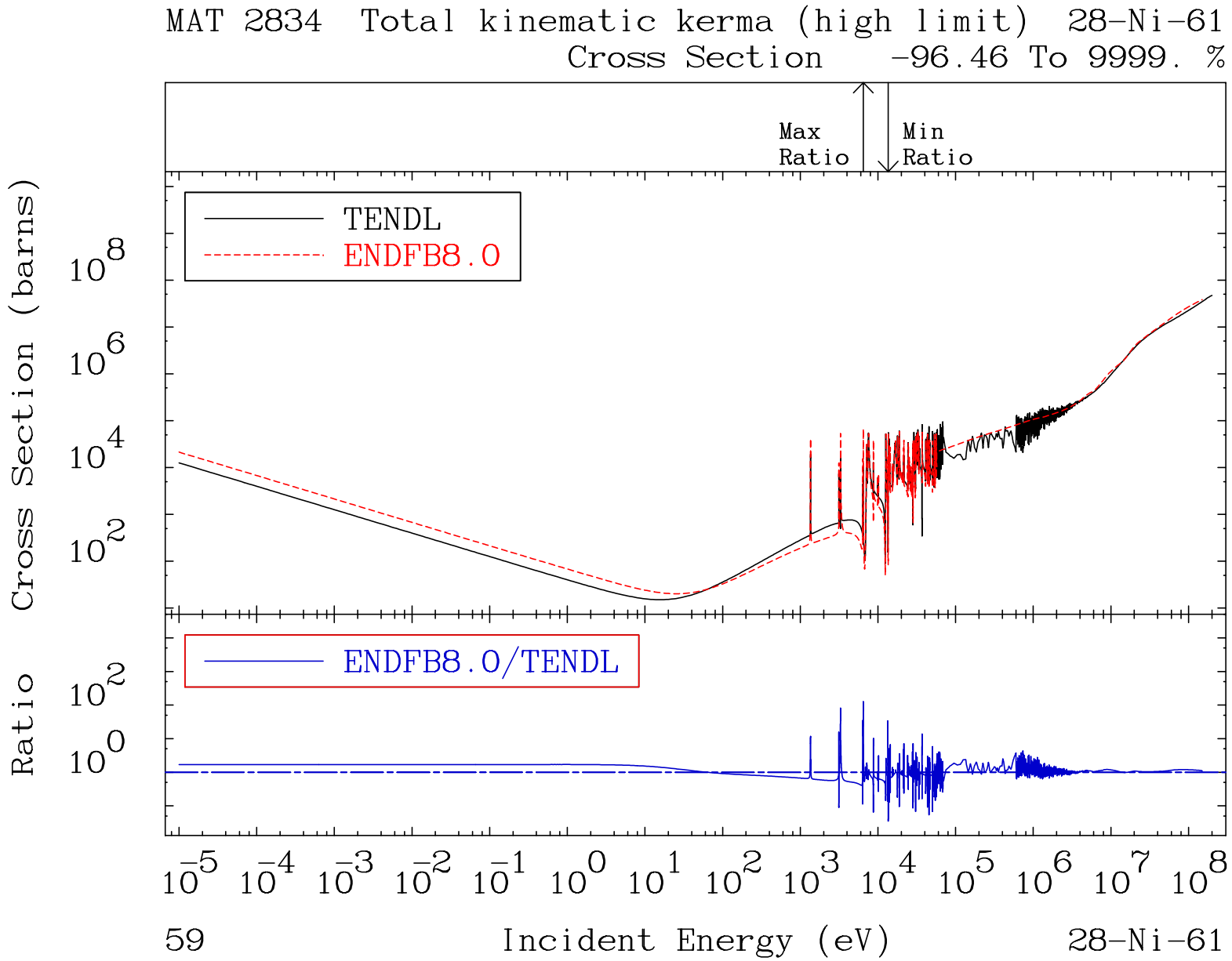

MAT 2834 Kerma non-elastic (all but mt2) 28-Ni-61
Cross Section -99.93 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
54
28-Ni-61

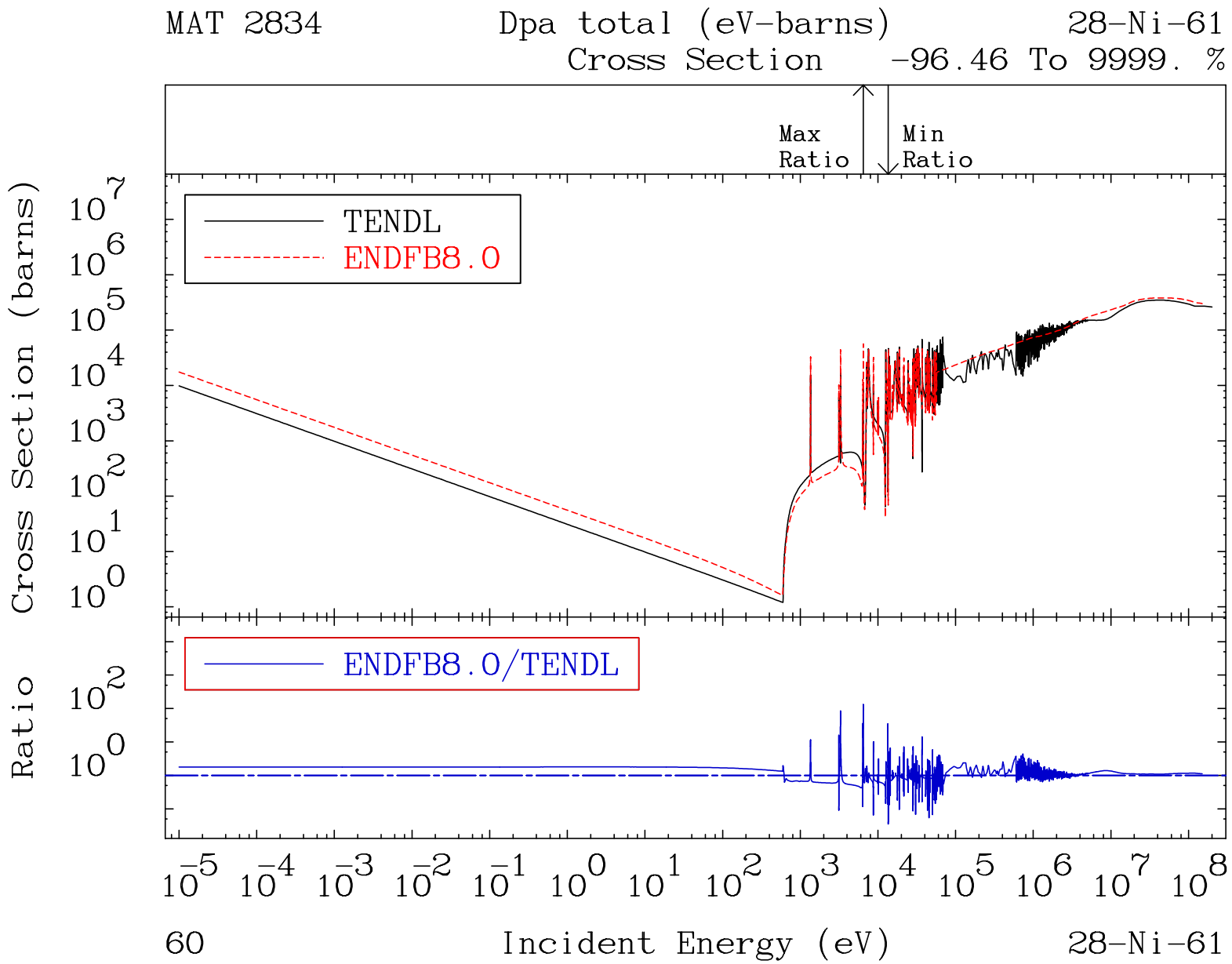

MAT 2834
Kerma inelastic (mt51-91)
28-Ni-61
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 69.011 keV
ENDFB8.0 Threshold 68.529 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
55
28-Ni-61

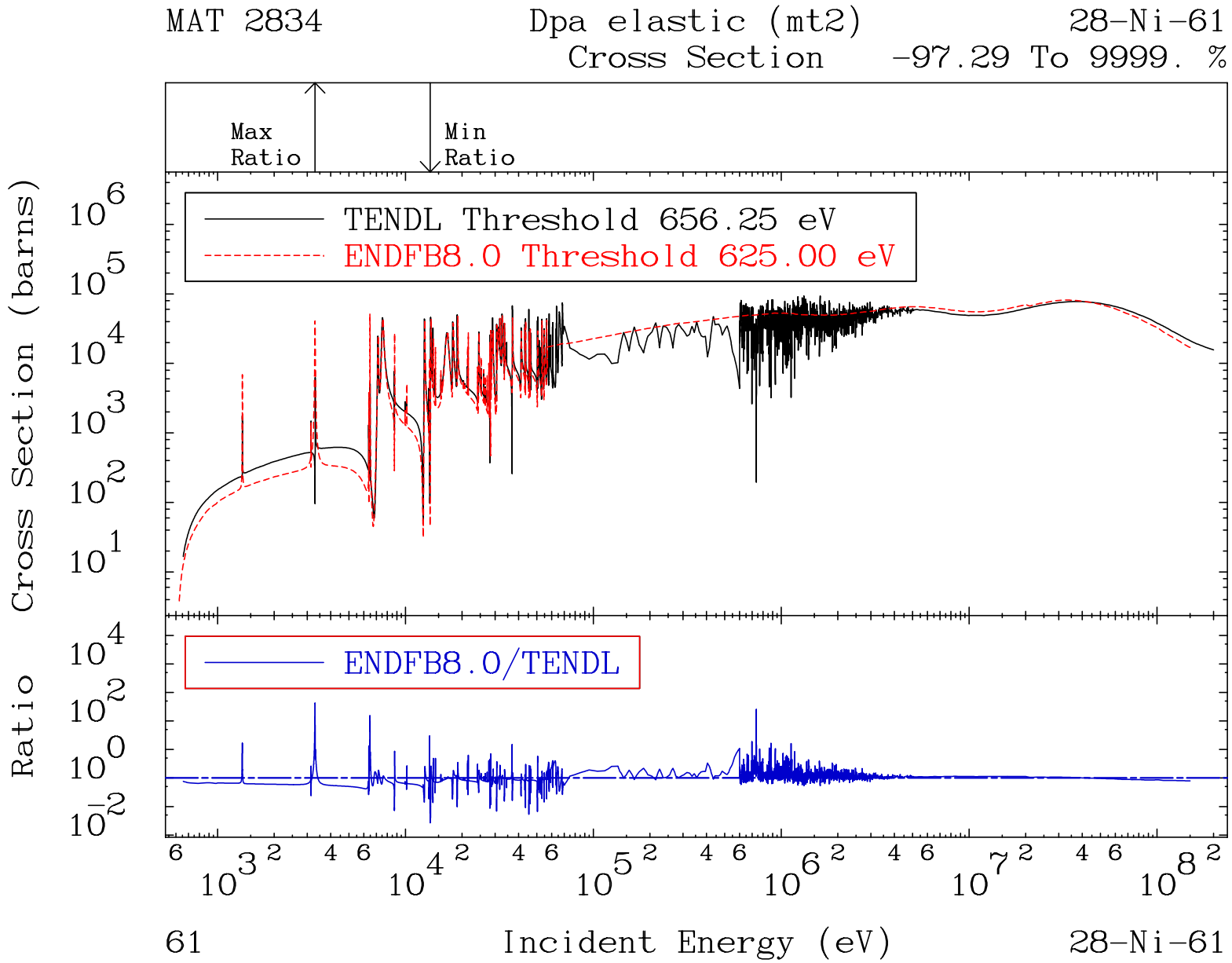

MAT 2834 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-61
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
56
Incident Energy (eV)
28-Ni-61

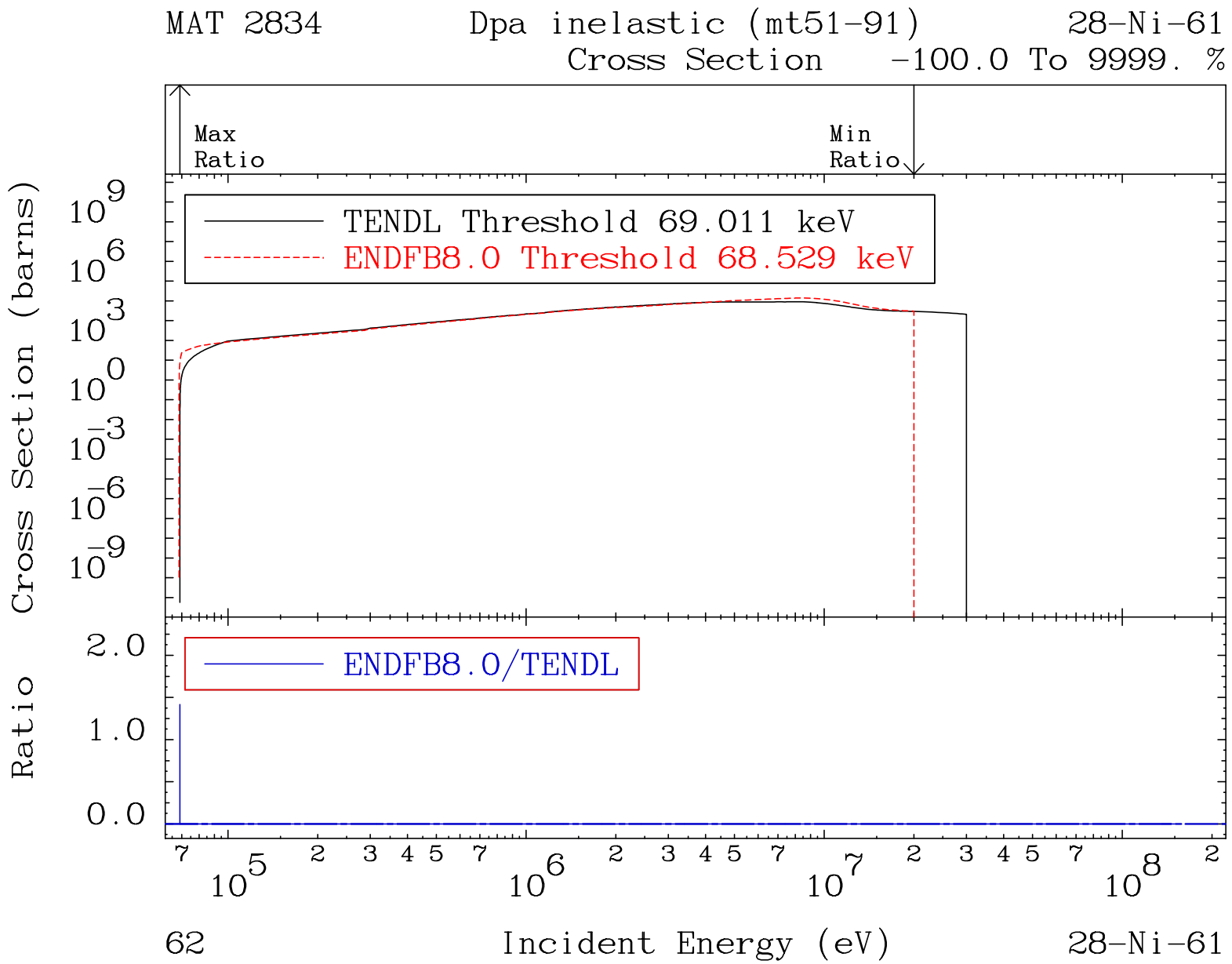

MAT 2834
Kerma capture (mt102)
28-Ni-61
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
57
28-Ni-61

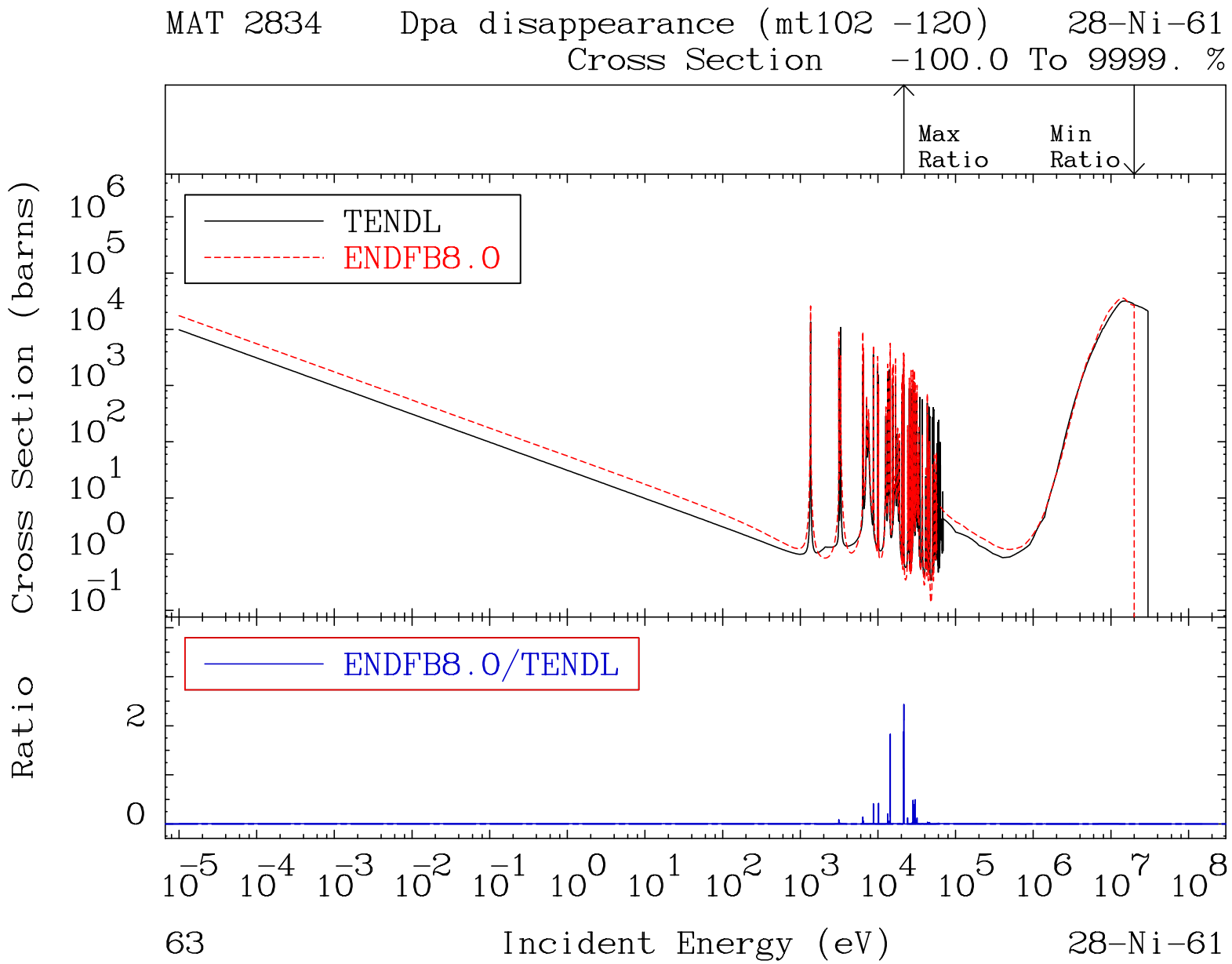

MAT 2834
Total photon (eV-barns)
28-Ni-61
Cross Section -99.95 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
28-Ni-61


MAT 2834 Total kinematic kerma (high limit) 28-Ni-61
Cross Section -96.46 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
59
28-Ni-61


MAT 2834
Dpa total (eV-barns)
28-Ni-61
Cross Section -96.46 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
60
28-Ni-61


MAT 2834
Dpa elastic (mt2)
Cross Section
28-Ni-61
-97.29 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 656.25 eV
ENDFB8.0 Threshold 625.00 eV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
28-Ni-61


MAT 2834
Dpa inelastic (mt51-91)
28-Ni-61
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 69.011 keV
ENDFB8.0 Threshold 68.529 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
62
28-Ni-61


MAT 2834 Dpa disappearance (mt102 -120) 28-Ni-61
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
63
28-Ni-61