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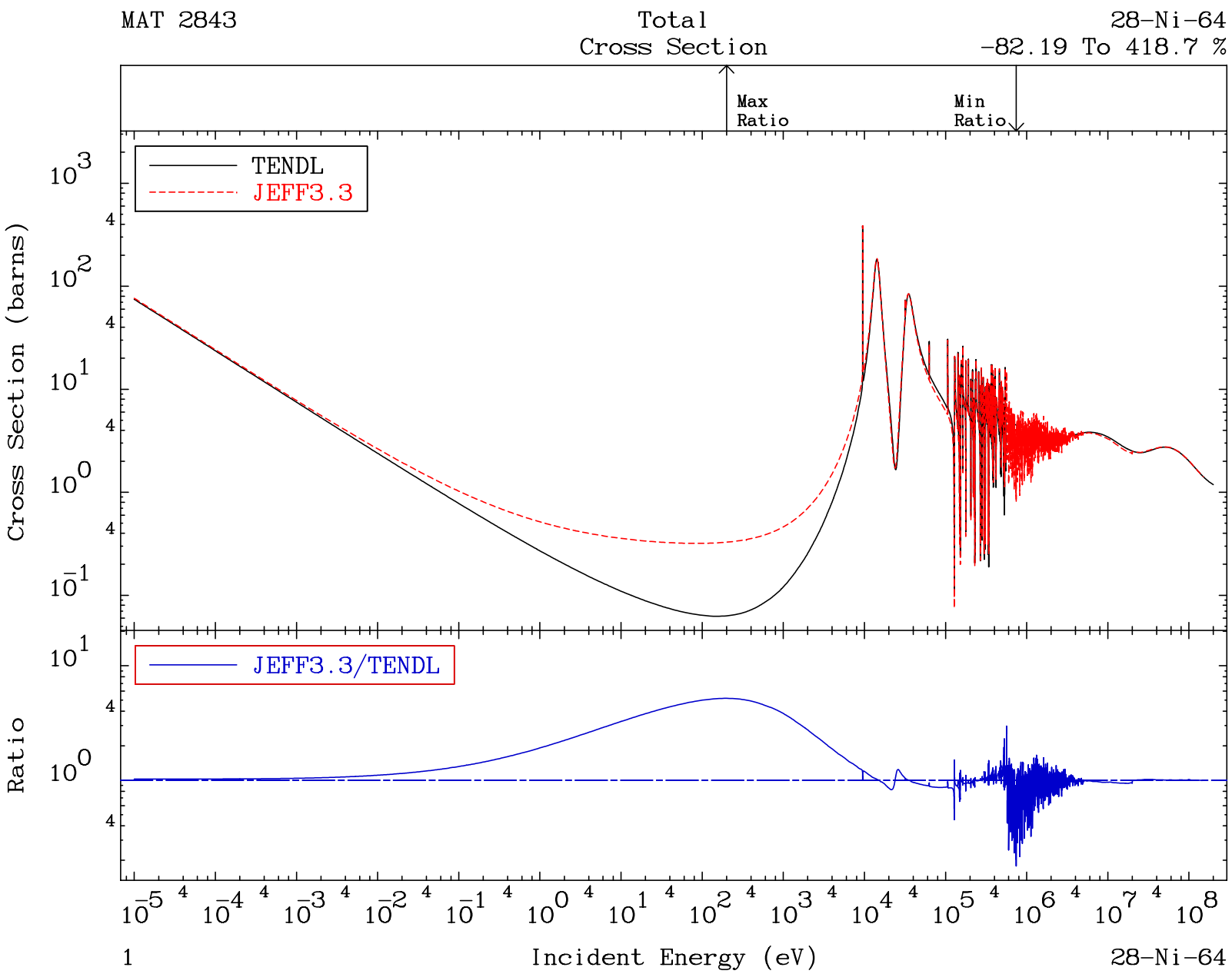
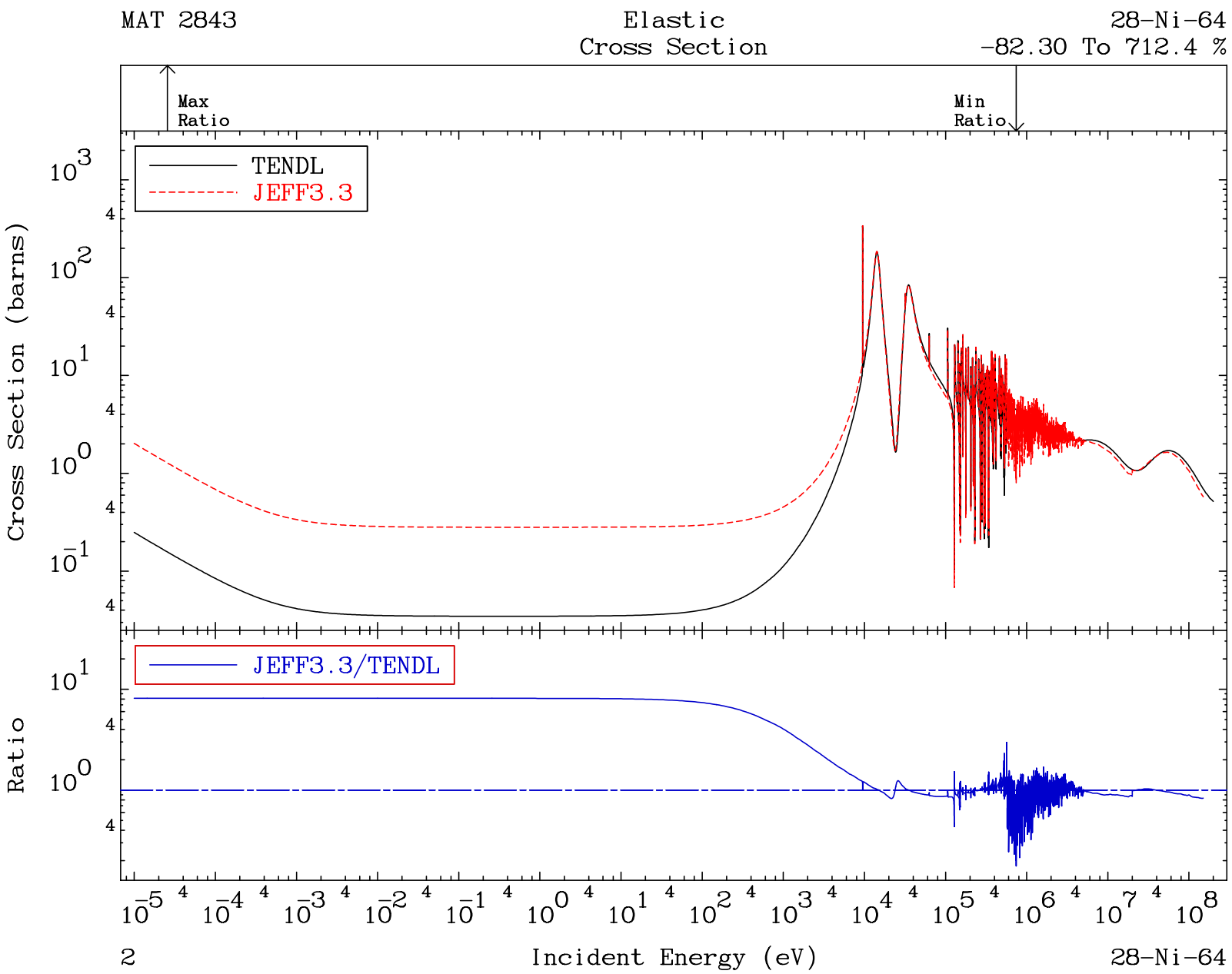
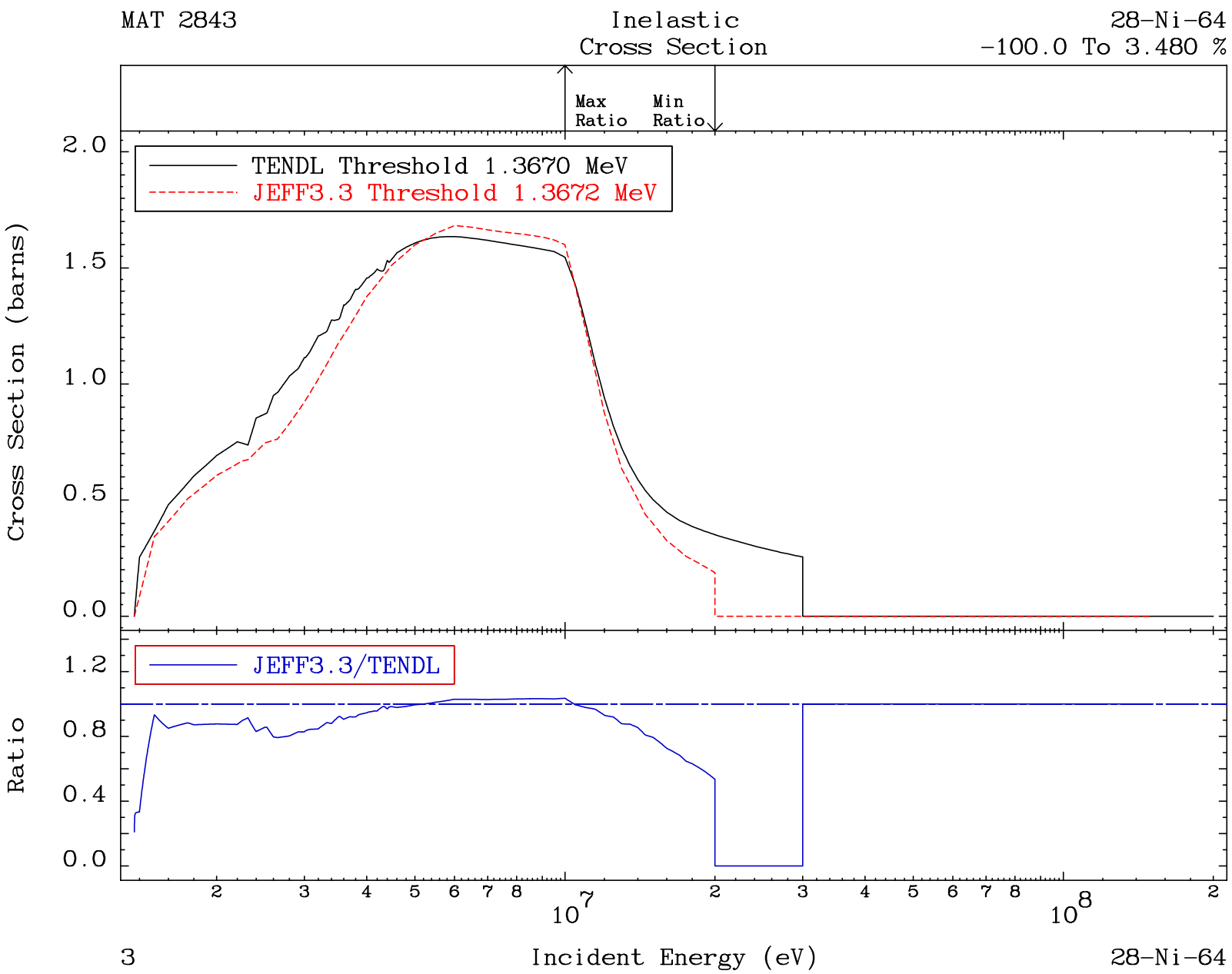
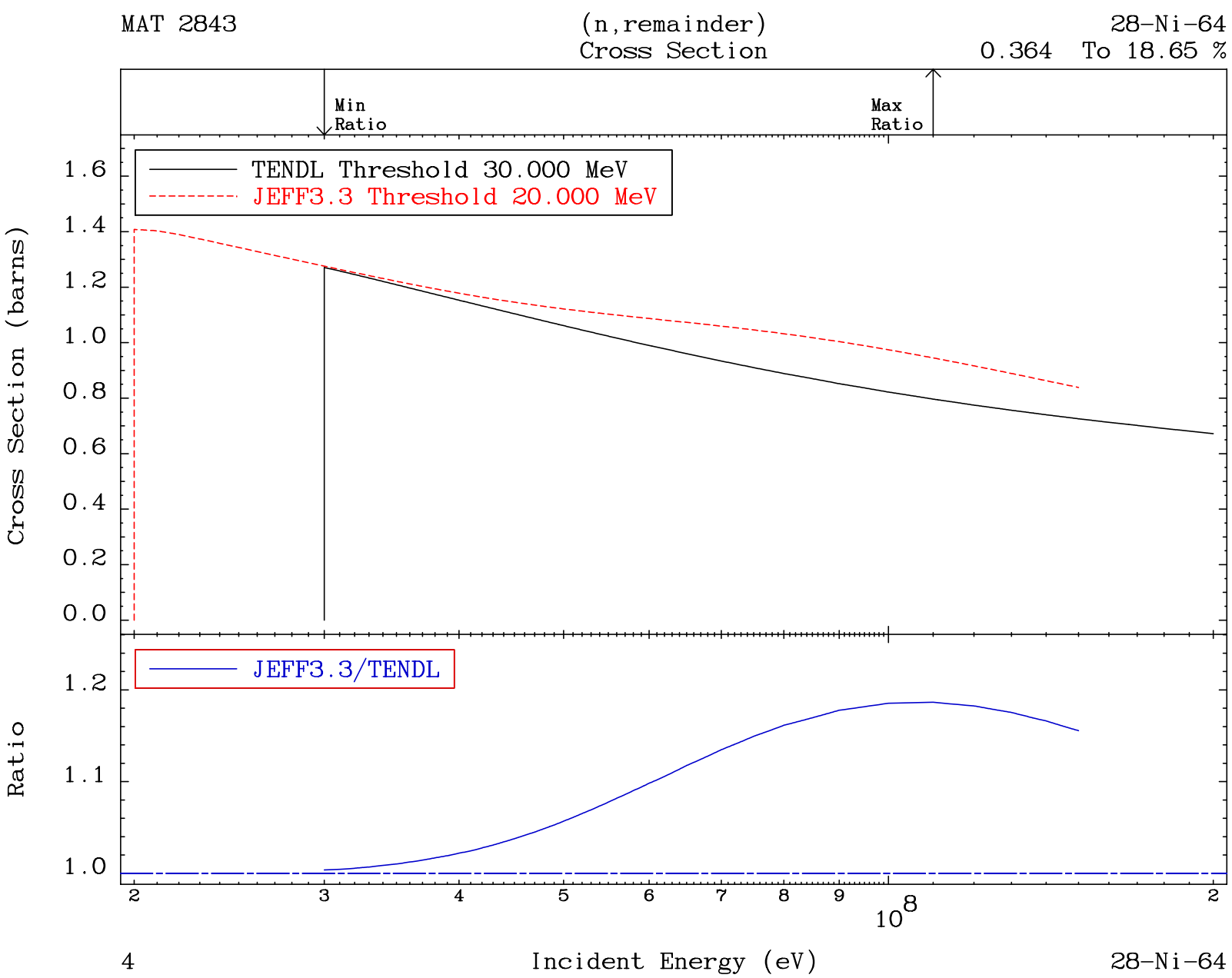
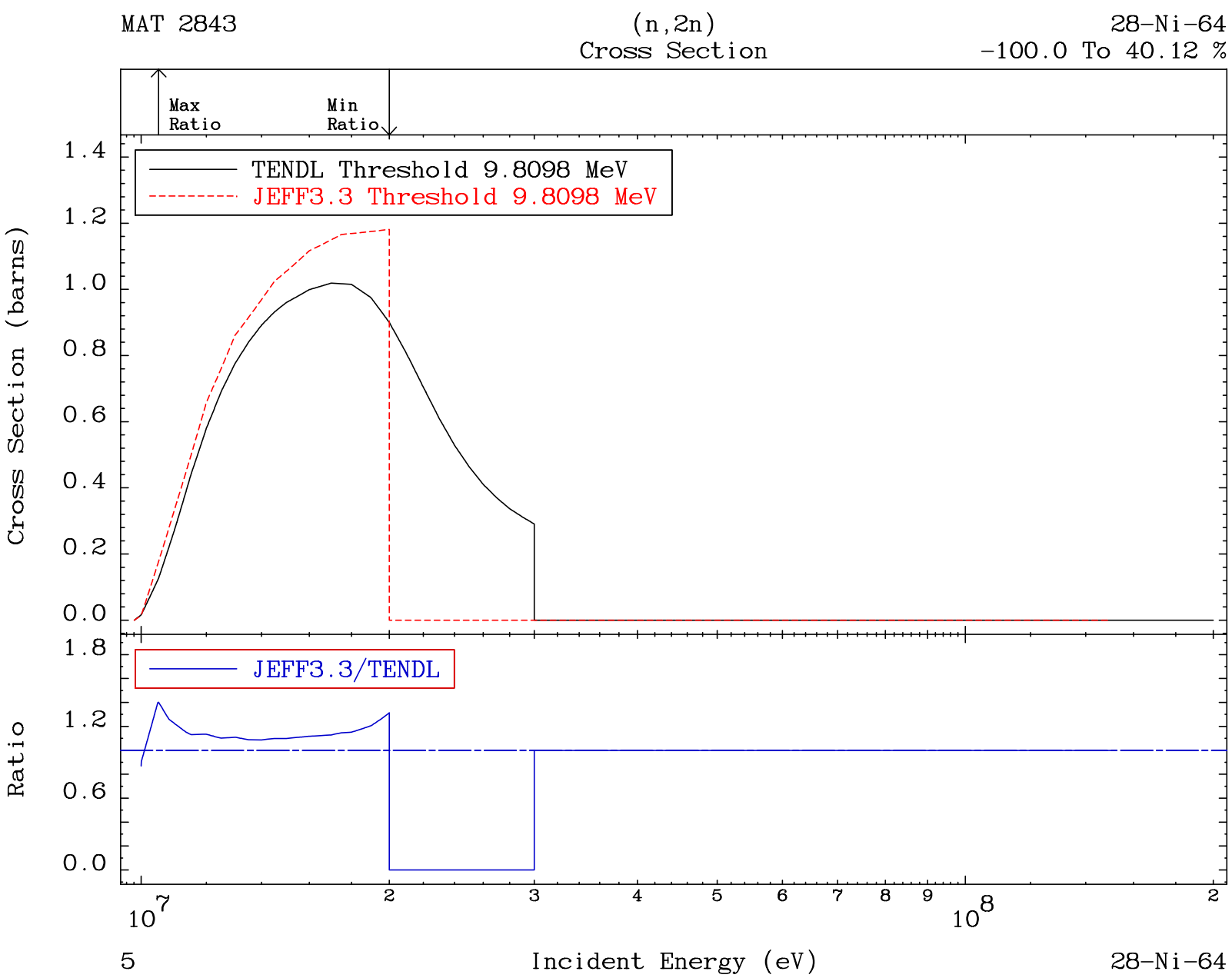
Press Mouse Button to Start

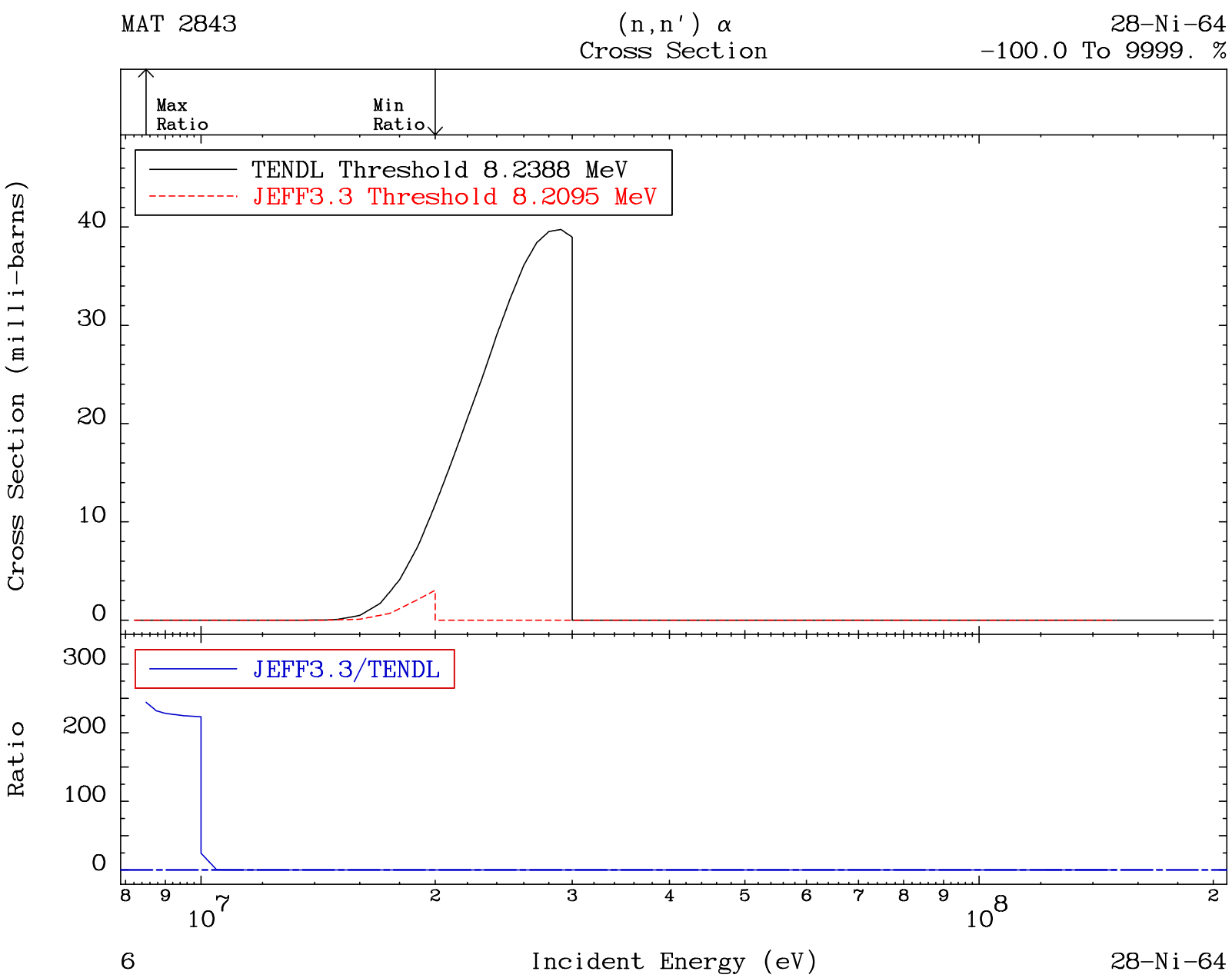

MAT 2843
Total
Cross Section
28-Ni-64
-82.19 To 418.7 %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
1
28-Ni-64

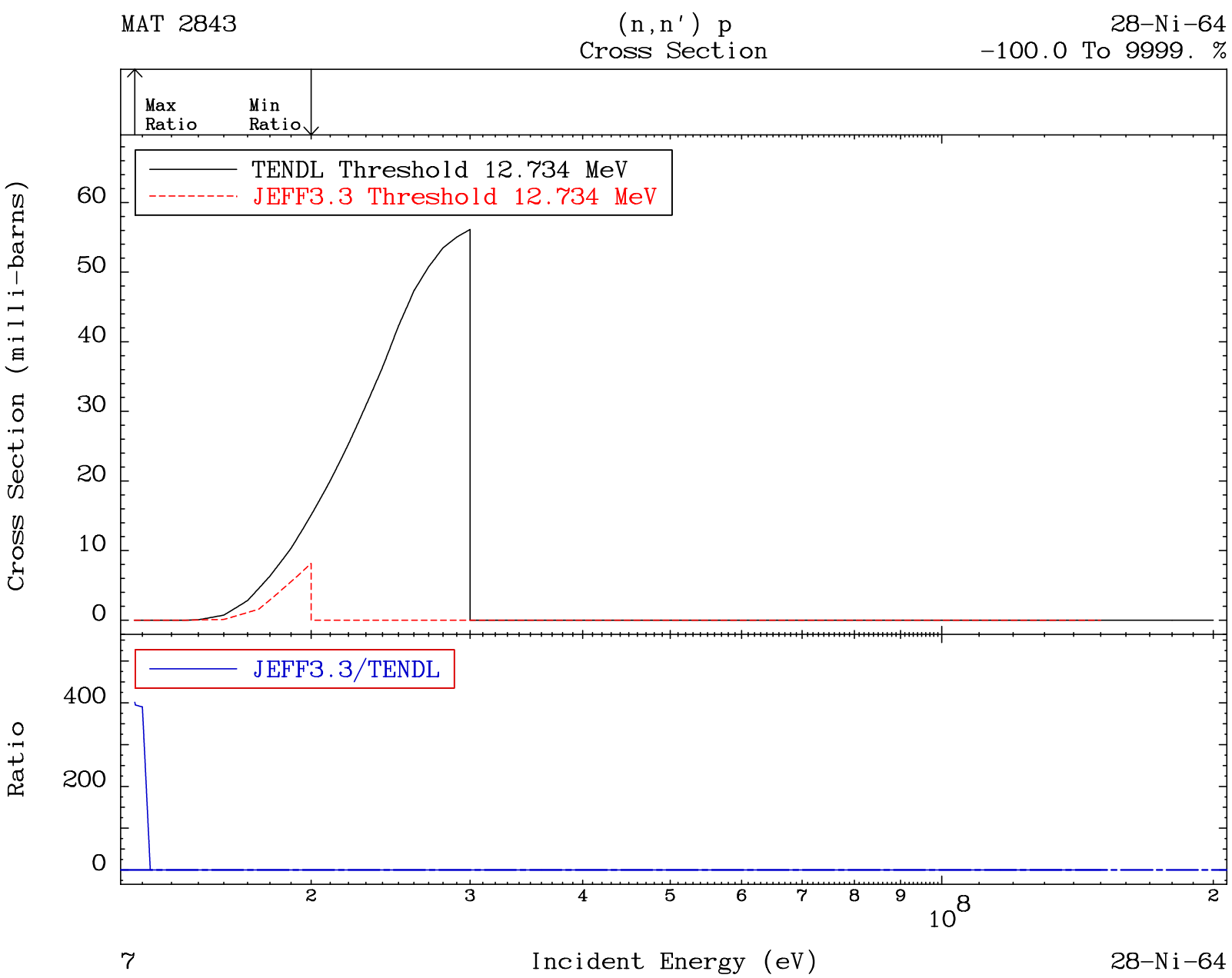

MAT 2843
Elastic
Cross Section
28-Ni-64
-82.30 To 712.4 %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
2
28-Ni-64

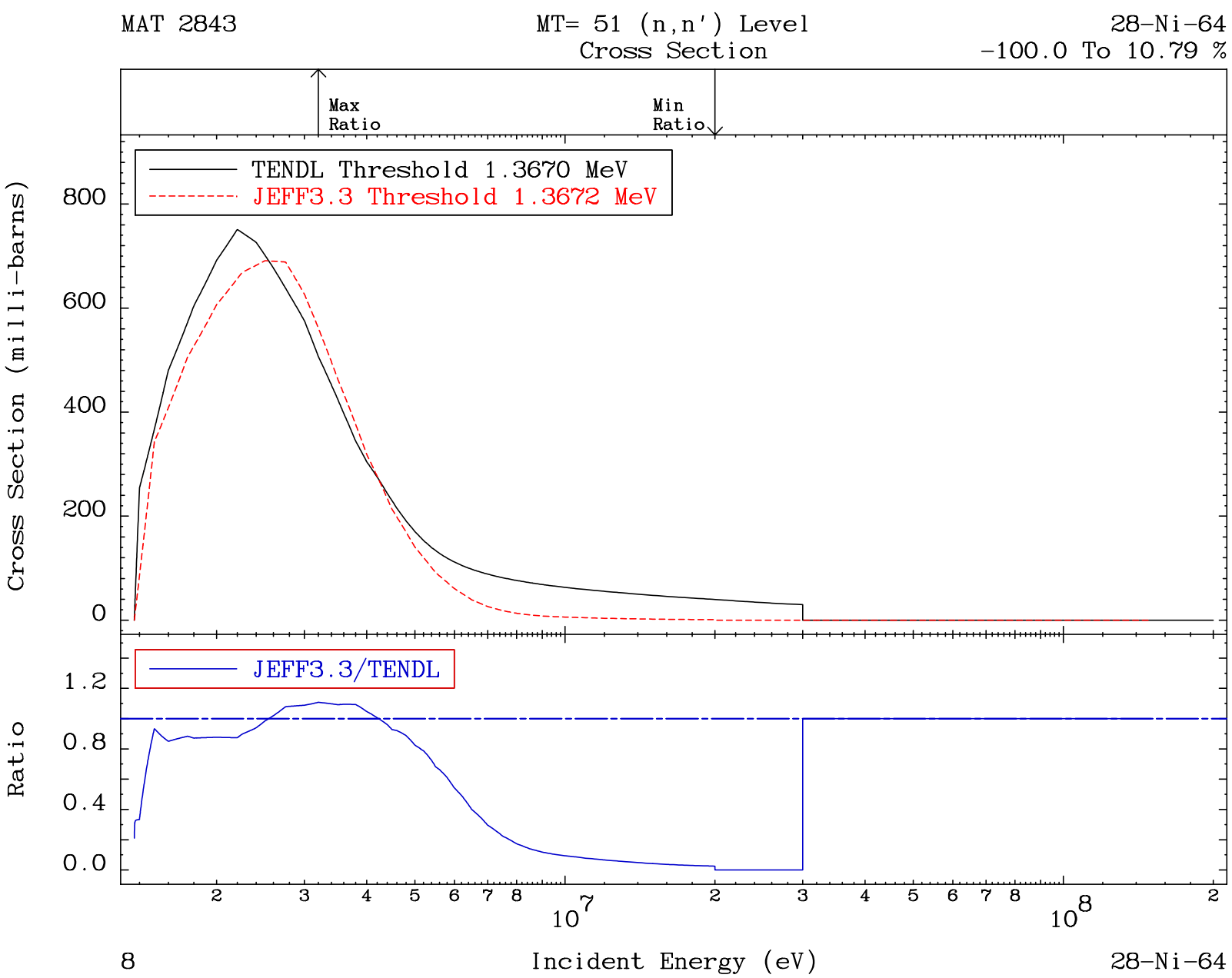

MAT 2843
Inelastic
Cross Section
28-Ni-64
-100.0 To 3.480 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.3670 MeV
JEFF3.3 Threshold 1.3672 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.2
0.8
0.4
0.0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
3
Incident Energy (eV)
28-Ni-64

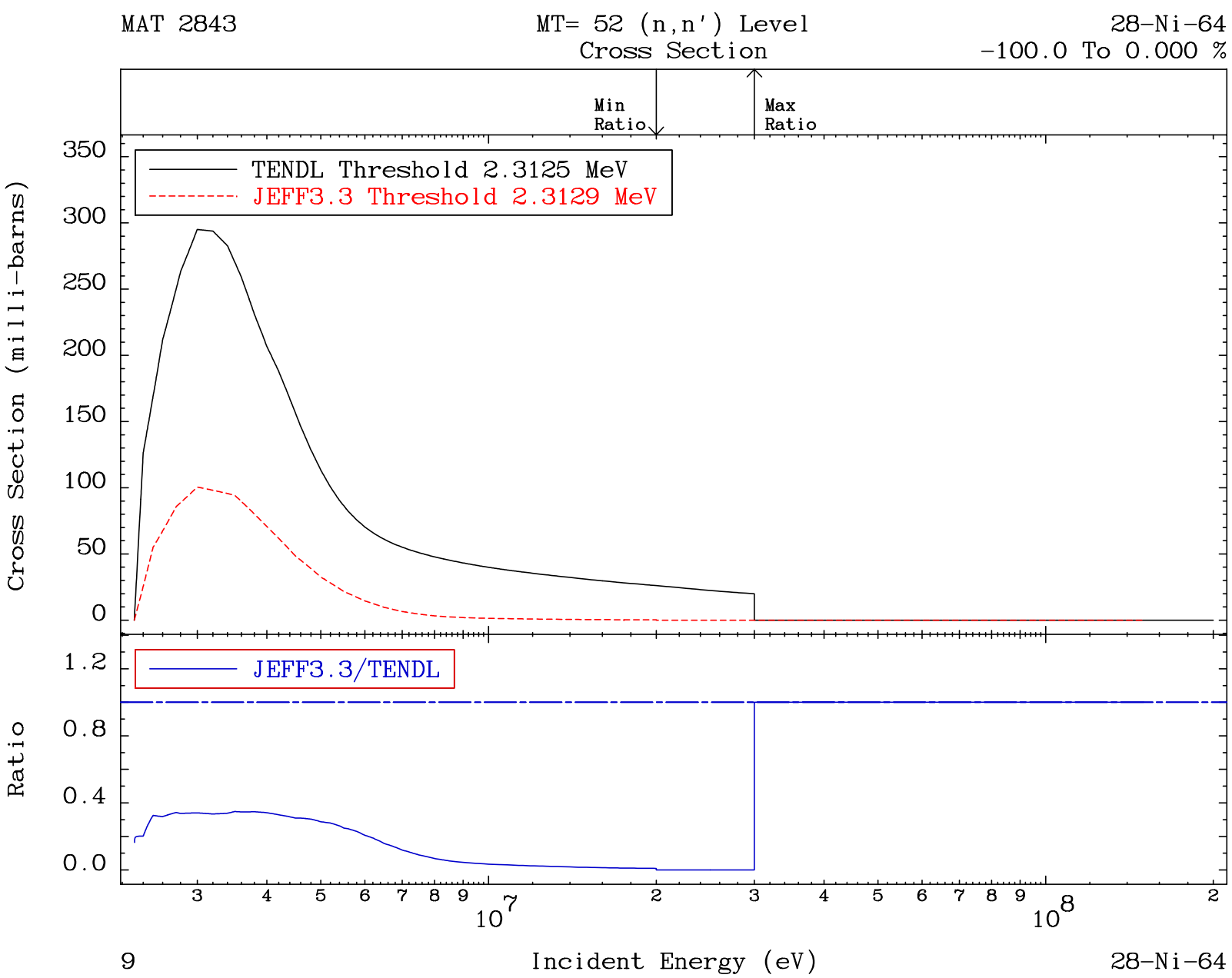

MAT 2843
(n,remainder)
Cross Section
28-Ni-64
0.364 To 18.65 %
Min Ratio
Max Ratio
TENDL Threshold 30.000 MeV
JEFF3.3 Threshold 20.000 MeV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.2
1.1
1.0
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
28-Ni-64

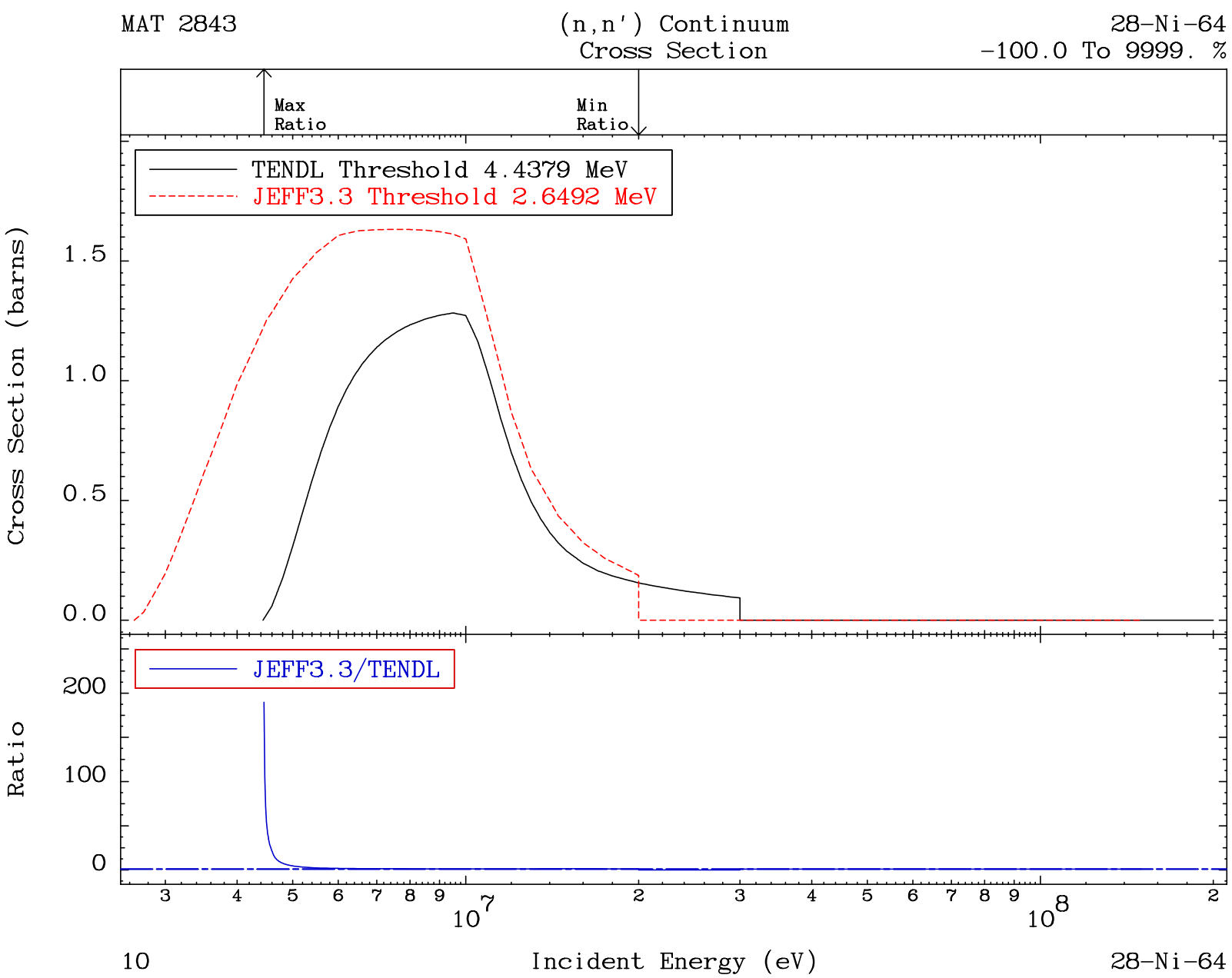

MAT 2843
(n,2n)
Cross Section
28-Ni-64
-100.0 To 40.12 %
Max Ratio
Min Ratio
TENDL Threshold 9.8098 MeV
JEFF3.3 Threshold 9.8098 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.8
1.2
0.6
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
28-Ni-64

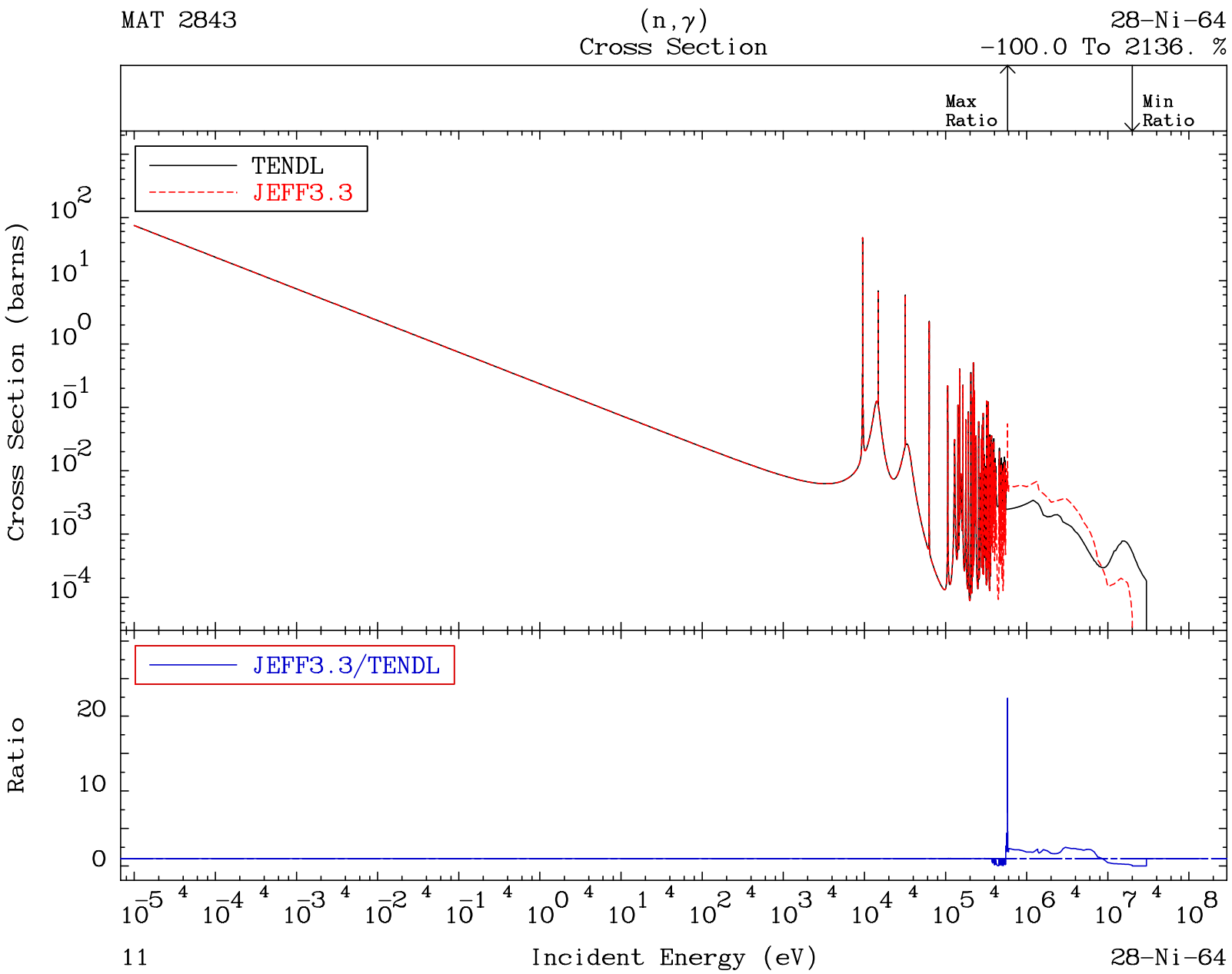

MAT 2843
(n,n') α
Cross Section
28-Ni-64
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 8.2388 MeV
JEFF3.3 Threshold 8.2095 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
300
200
100
0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
6
Incident Energy (eV)
28-Ni-64

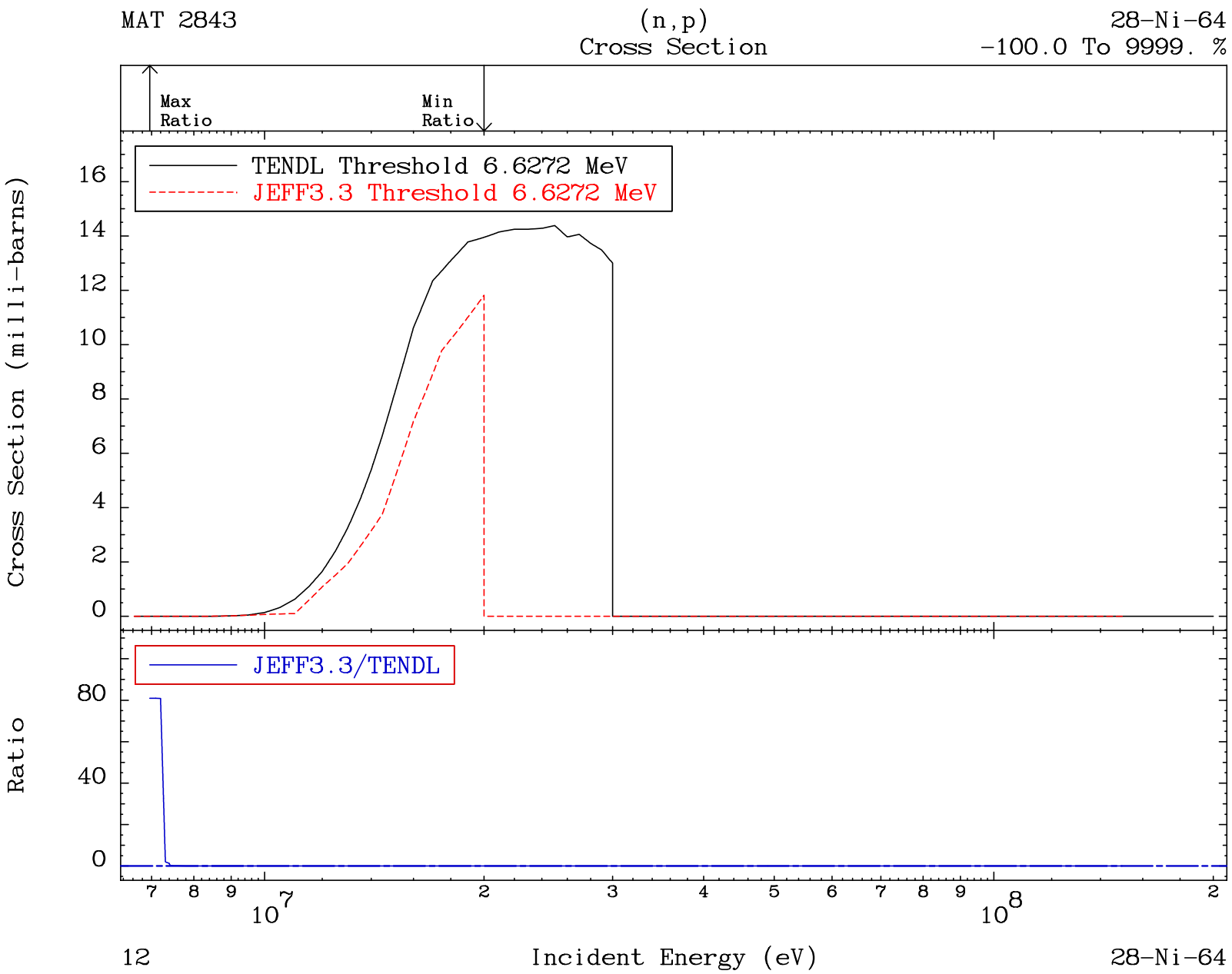

MAT 2843
(n,n') p
Cross Section
28-Ni-64
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 12.734 MeV
JEFF3.3 Threshold 12.734 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
400
200
0
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
28-Ni-64

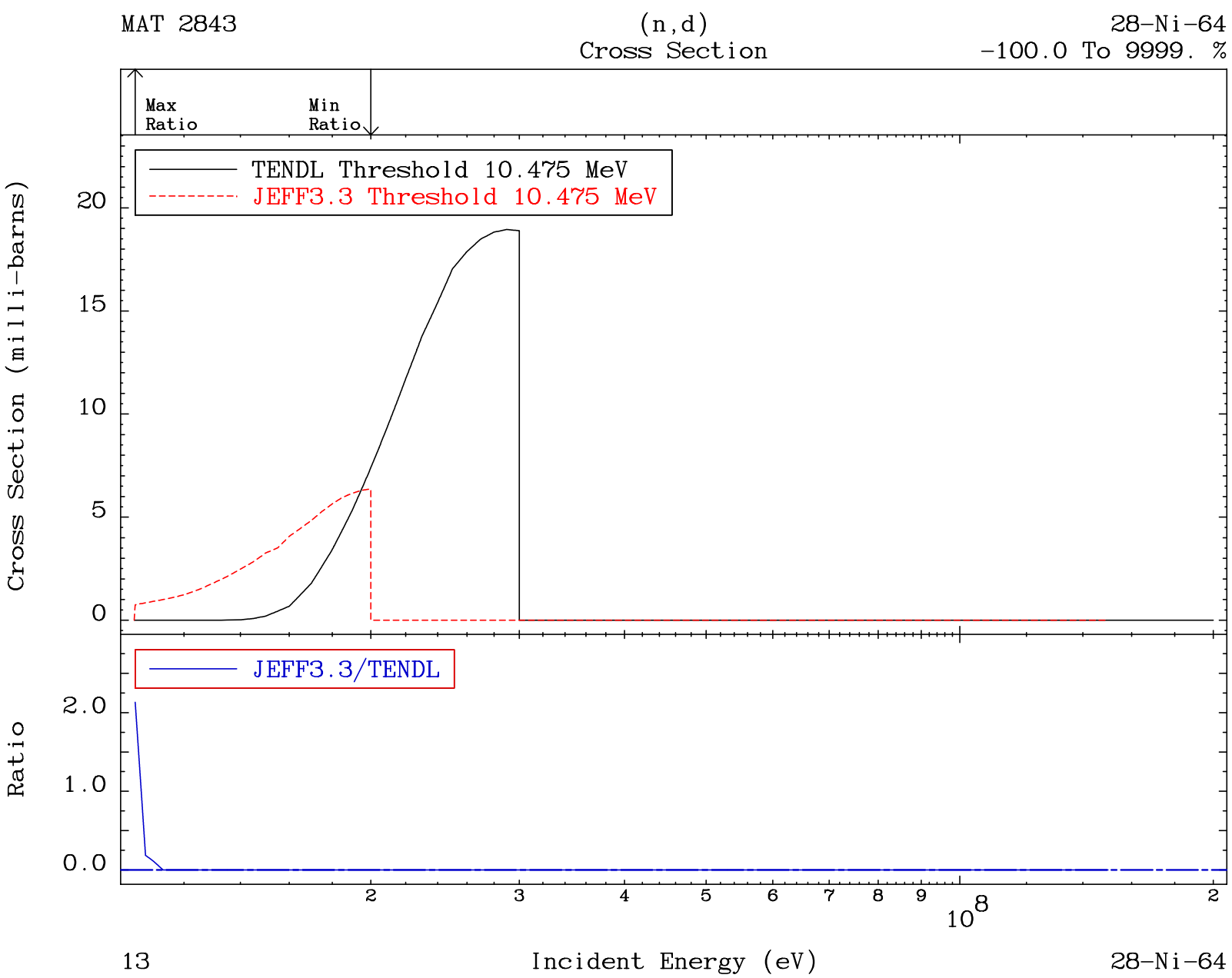

MAT 2843
MT= 51 (n,n') Level
Cross Section
28-Ni-64
-100.0 To 10.79 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.3670 MeV
JEFF3.3 Threshold 1.3672 MeV
Cross Section (milli-barns)
800
600
400
200
0
JEFF3.3/TENDL
Ratio
1.2
0.8
0.4
0.0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
8
Incident Energy (eV)
28-Ni-64

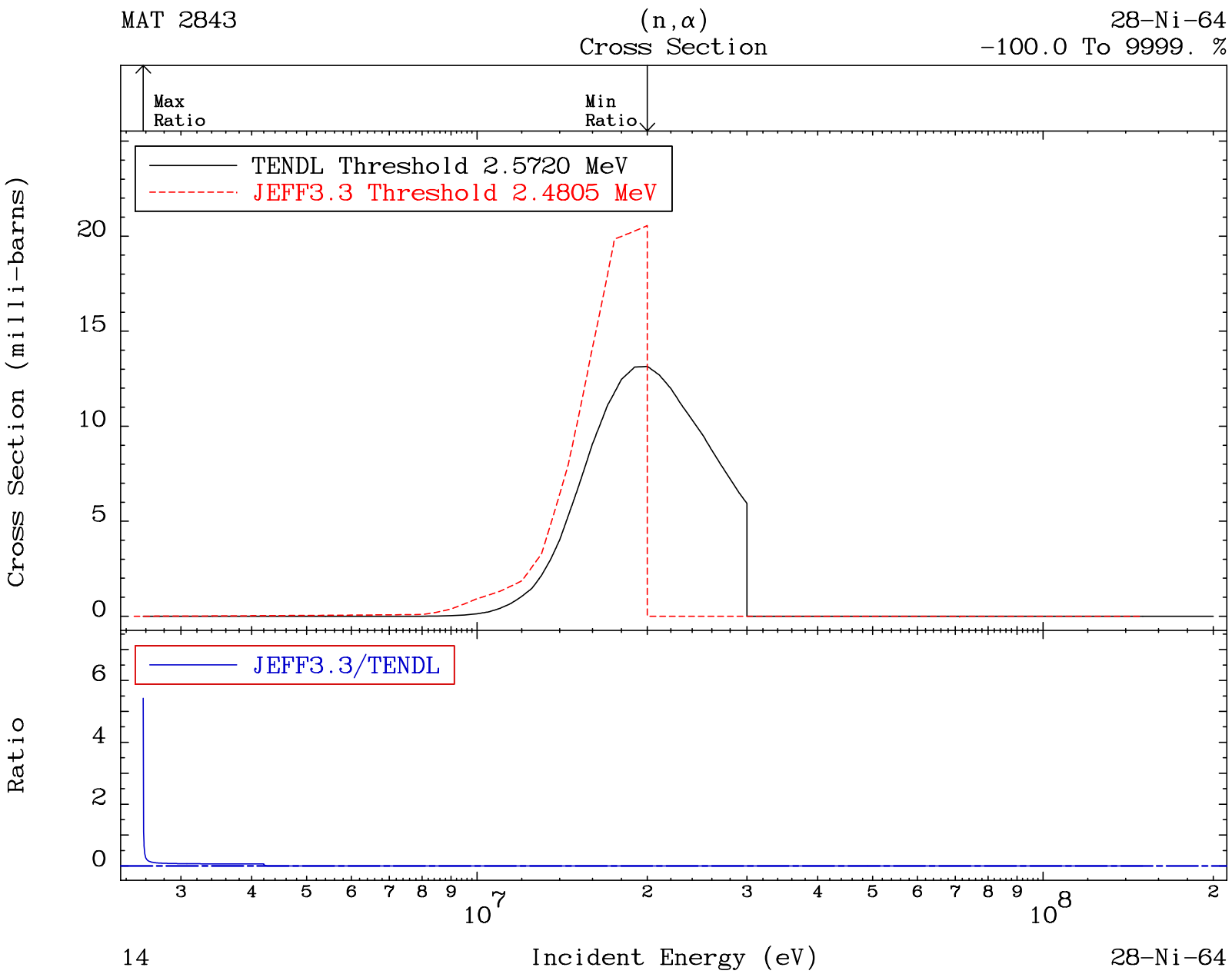

MAT 2843
MT= 52 (n,n') Level
Cross Section
28-Ni-64
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.3125 MeV
JEFF3.3 Threshold 2.3129 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.2
0.8
0.4
0.0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
9
Incident Energy (eV)
28-Ni-64

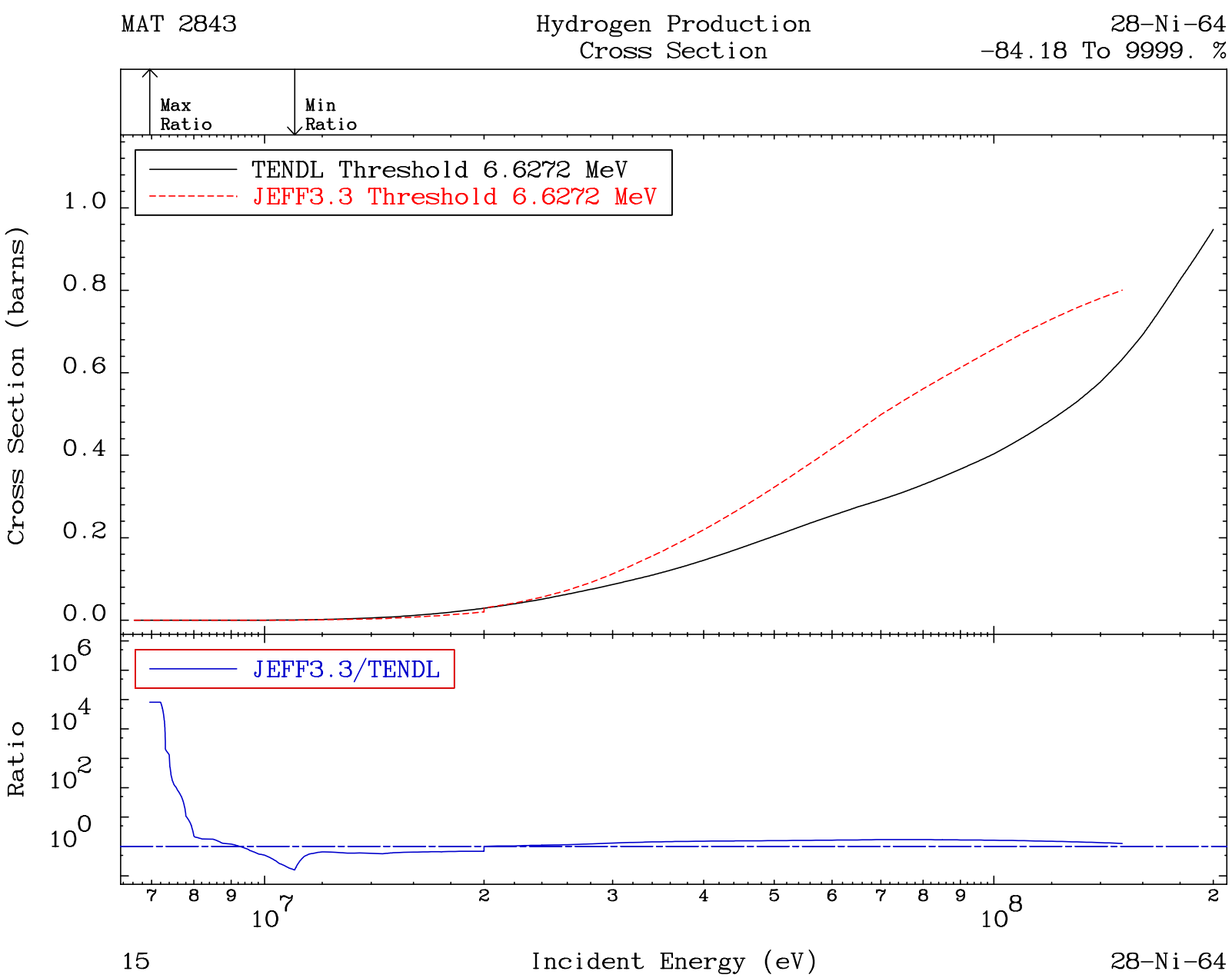

MAT 2843
(n,n') Continuum
Cross Section
28-Ni-64
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.4379 MeV
JEFF3.3 Threshold 2.6492 MeV
Cross Section (barns)
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
200
100
0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
10
Incident Energy (eV)
28-Ni-64

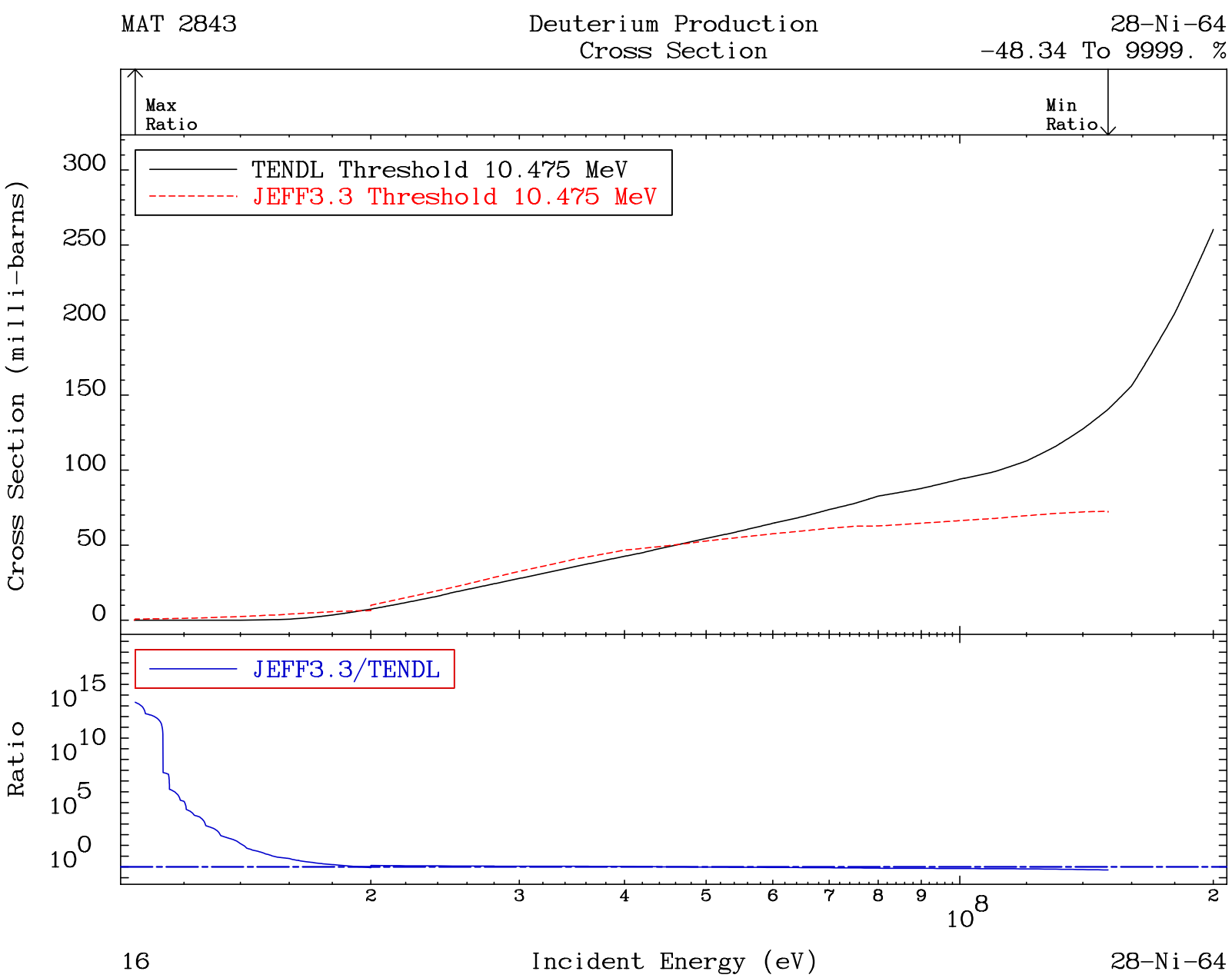

MAT 2843
(n,γ)
Cross Section
28-Ni-64
-100.0 To 2136. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
11
28-Ni-64

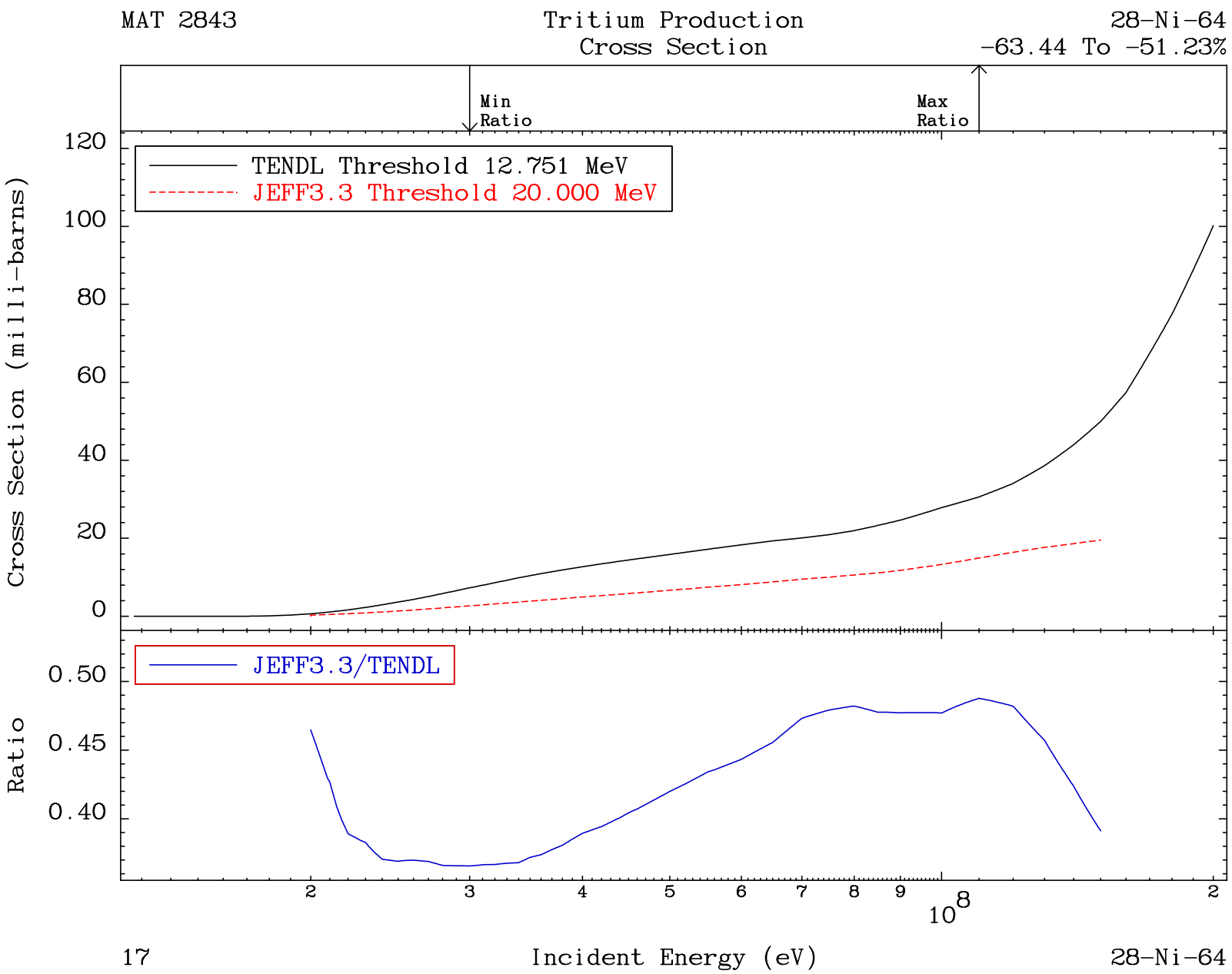

MAT 2843
(n,p)
Cross Section
28-Ni-64
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.6272 MeV
JEFF3.3 Threshold 6.6272 MeV
Cross Section (milli-barns)
16
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
80
40
0
7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
12
Incident Energy (eV)
28-Ni-64

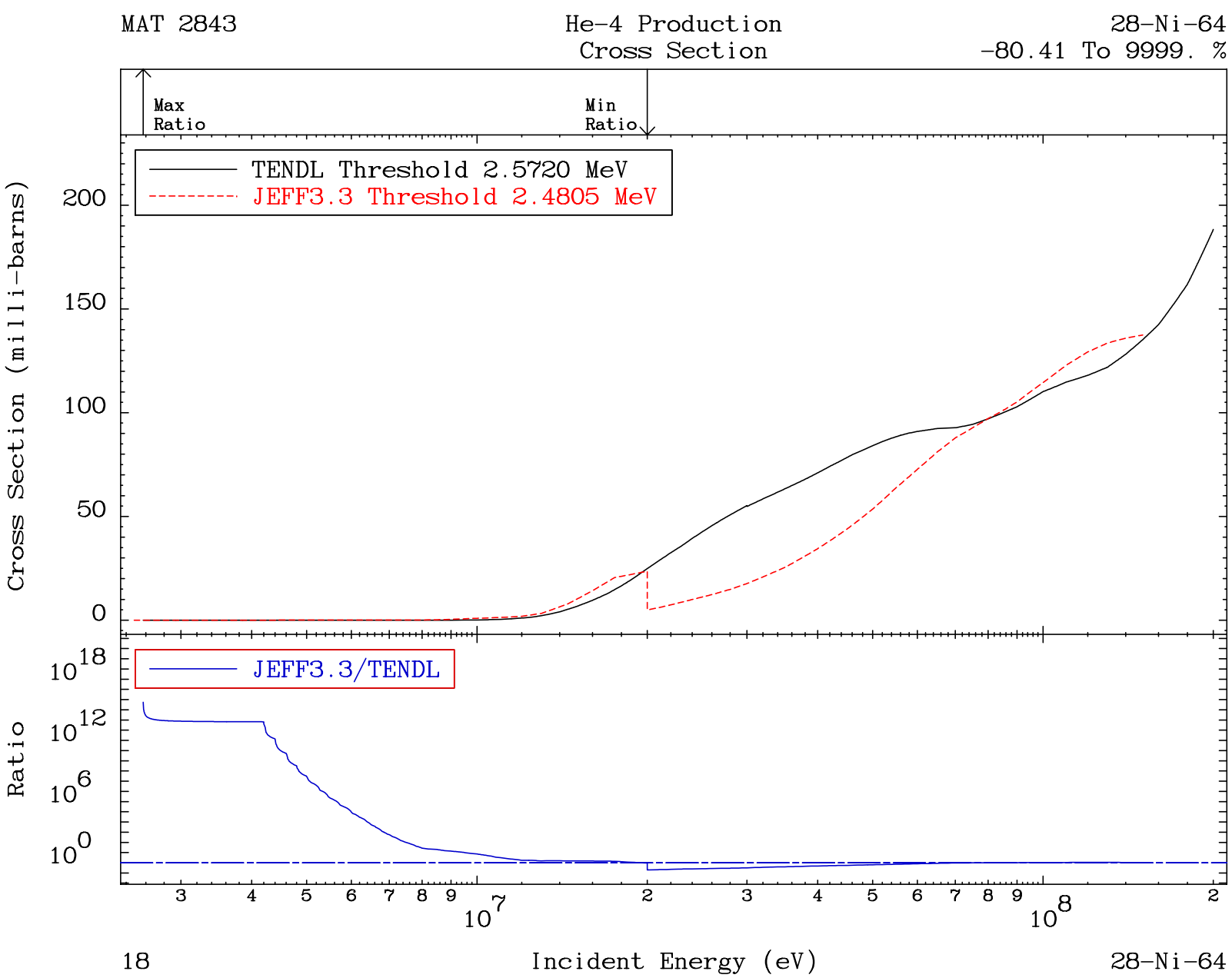

MAT 2843
(n,d)
Cross Section
28-Ni-64
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 10.475 MeV
JEFF3.3 Threshold 10.475 MeV
Cross Section (milli-barns)
20
15
10
5
0
JEFF3.3/TENDL
Ratio
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
28-Ni-64

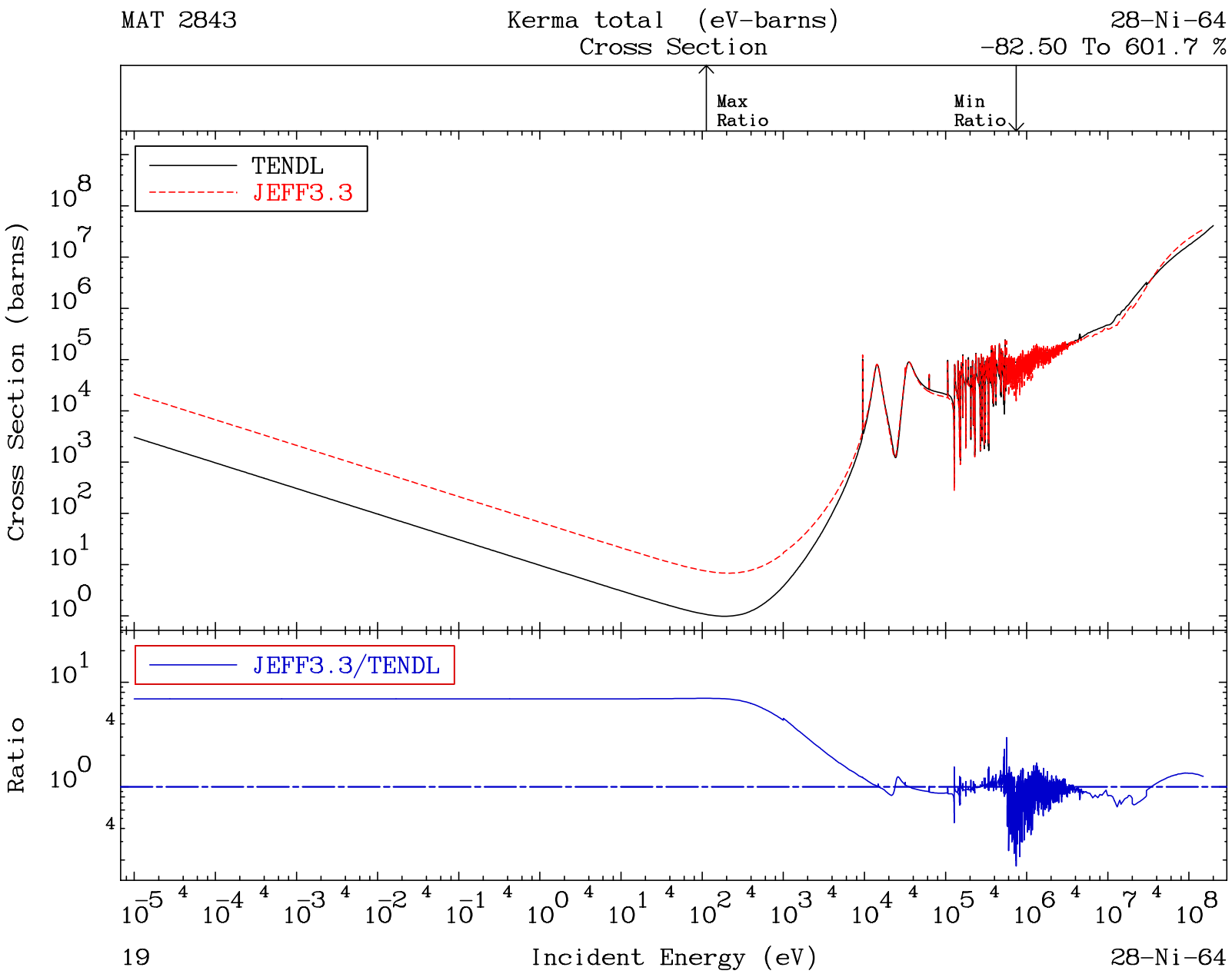

MAT 2843
(n,α)
Cross Section
28-Ni-64
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.5720 MeV
JEFF3.3 Threshold 2.4805 MeV
Cross Section (milli-barns)
20
15
10
5
0
JEFF3.3/TENDL
Ratio
6
4
2
0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
14
Incident Energy (eV)
28-Ni-64

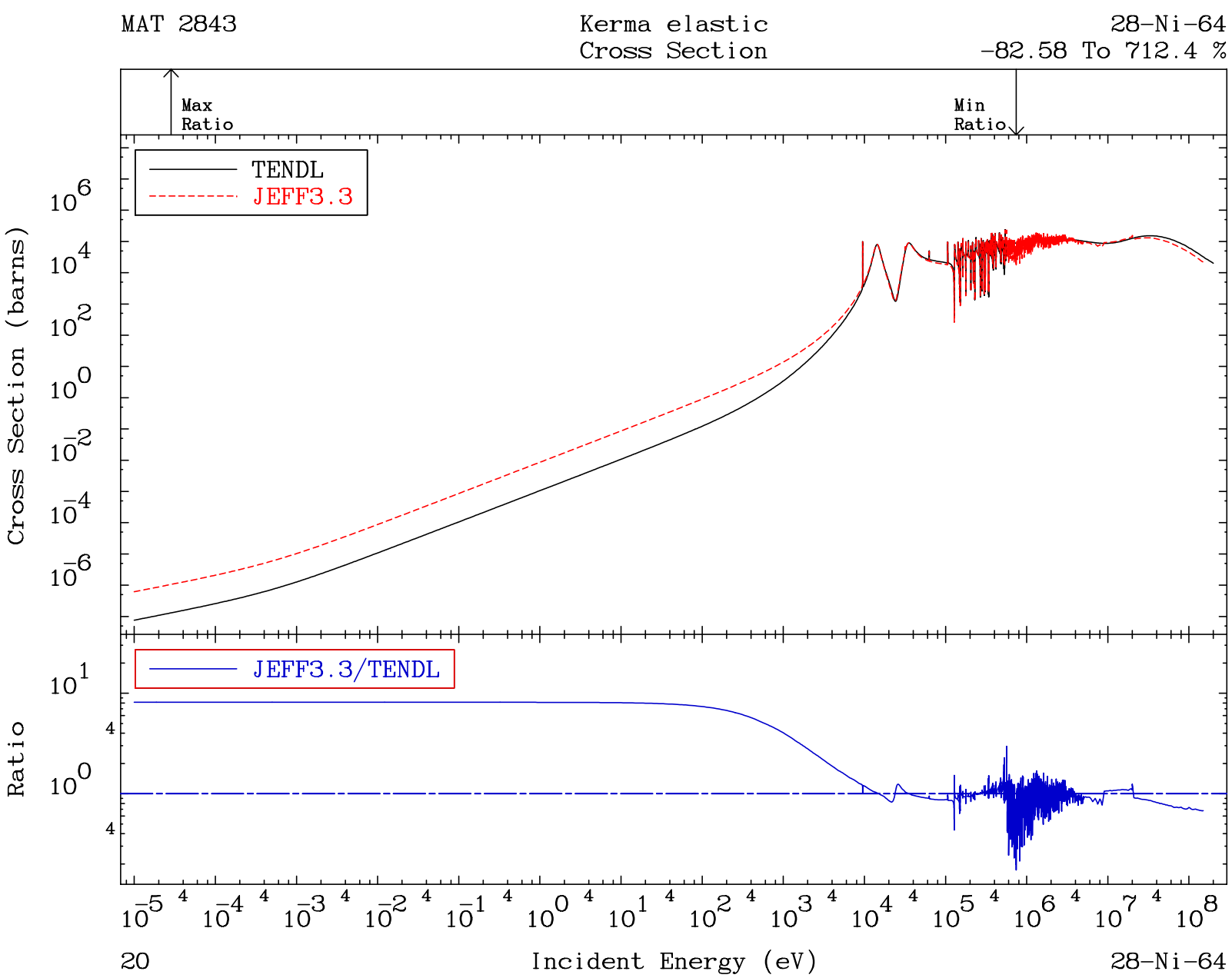

MAT 2843
Hydrogen Production
Cross Section
28-Ni-64
-84.18 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.6272 MeV
JEFF3.3 Threshold 6.6272 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
10^6
10^4
10^2
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
15
Incident Energy (eV)
28-Ni-64

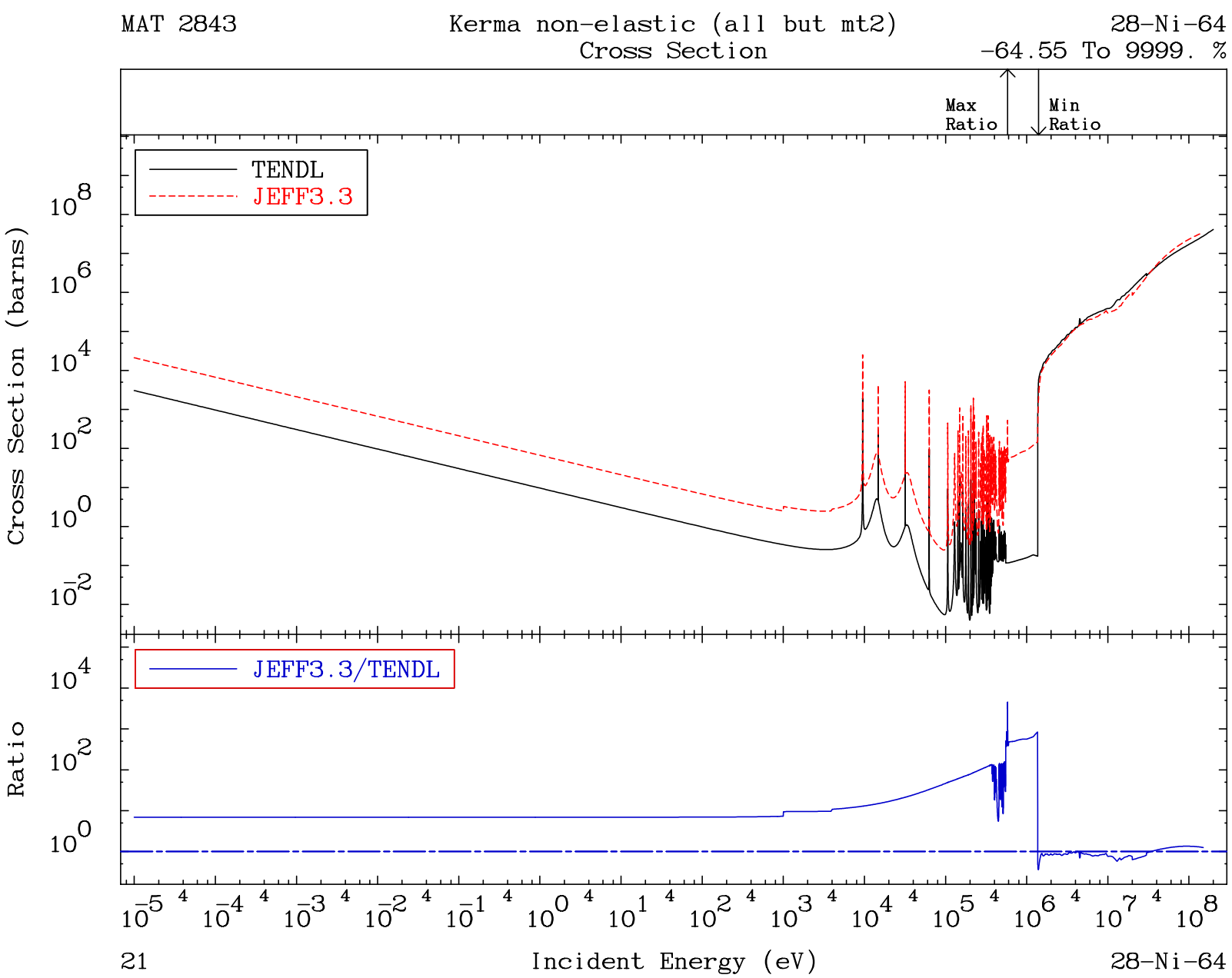

MAT 2843
Deuterium Production
Cross Section
28-Ni-64
-48.34 To 9999. %
Max
Ratio
Min
Ratio
TENDL Threshold 10.475 MeV
JEFF3.3 Threshold 10.475 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
10^15
10^10
10^5
10^0
2
3
4
5
6
7
8
9
10^8
2
16
Incident Energy (eV)
28-Ni-64

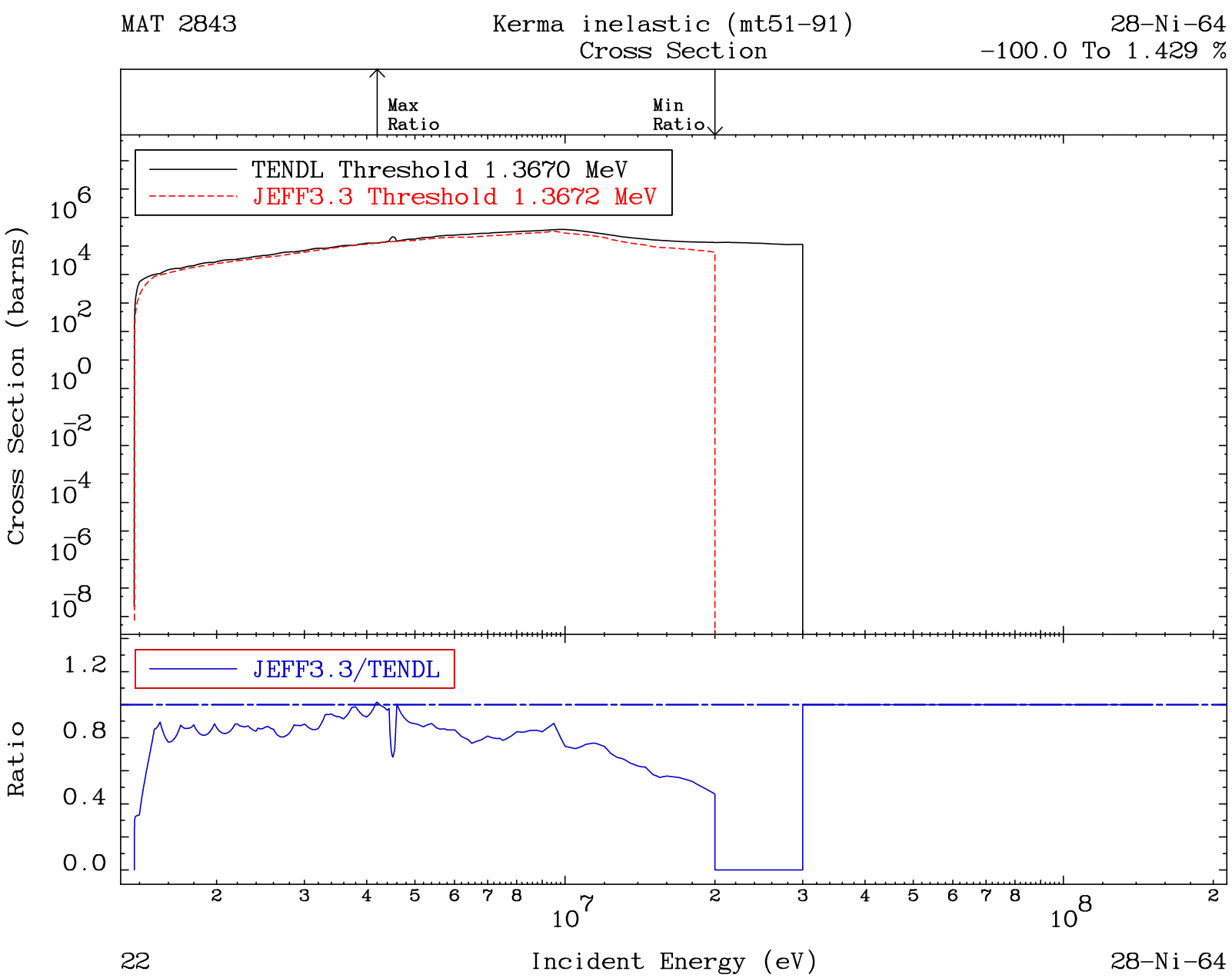

MAT 2843
Tritium Production
Cross Section
28-Ni-64
-63.44 To -51.23%
Min
Ratio
Max
Ratio
TENDL Threshold 12.751 MeV
JEFF3.3 Threshold 20.000 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
0.50
0.45
0.40
2
3
4
5
6
7
8
9
10^8
2
17
Incident Energy (eV)
28-Ni-64

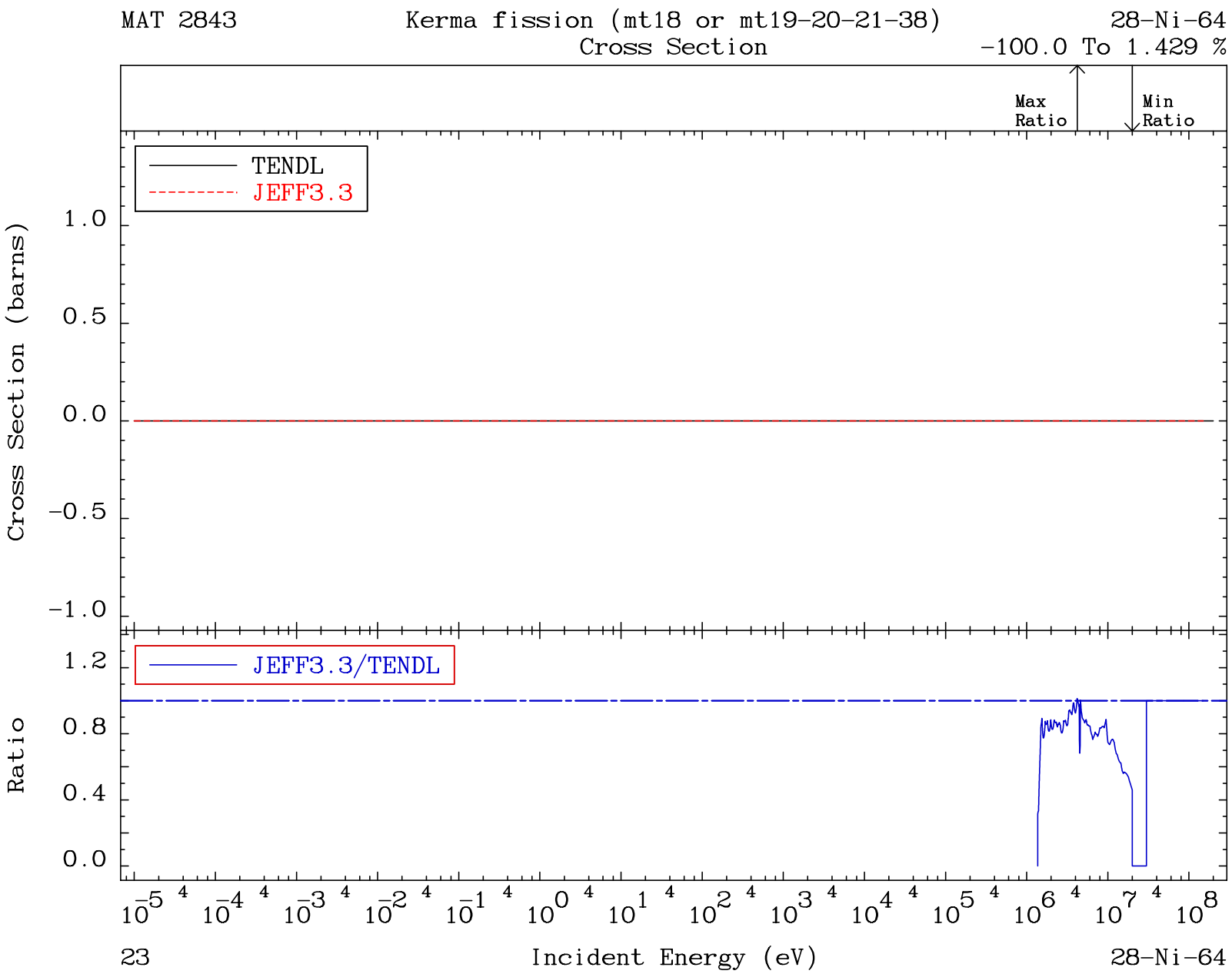

MAT 2843
He-4 Production
Cross Section
28-Ni-64
-80.41 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.5720 MeV
JEFF3.3 Threshold 2.4805 MeV
Cross Section (milli-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
10^18
10^12
10^6
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
18
Incident Energy (eV)
28-Ni-64

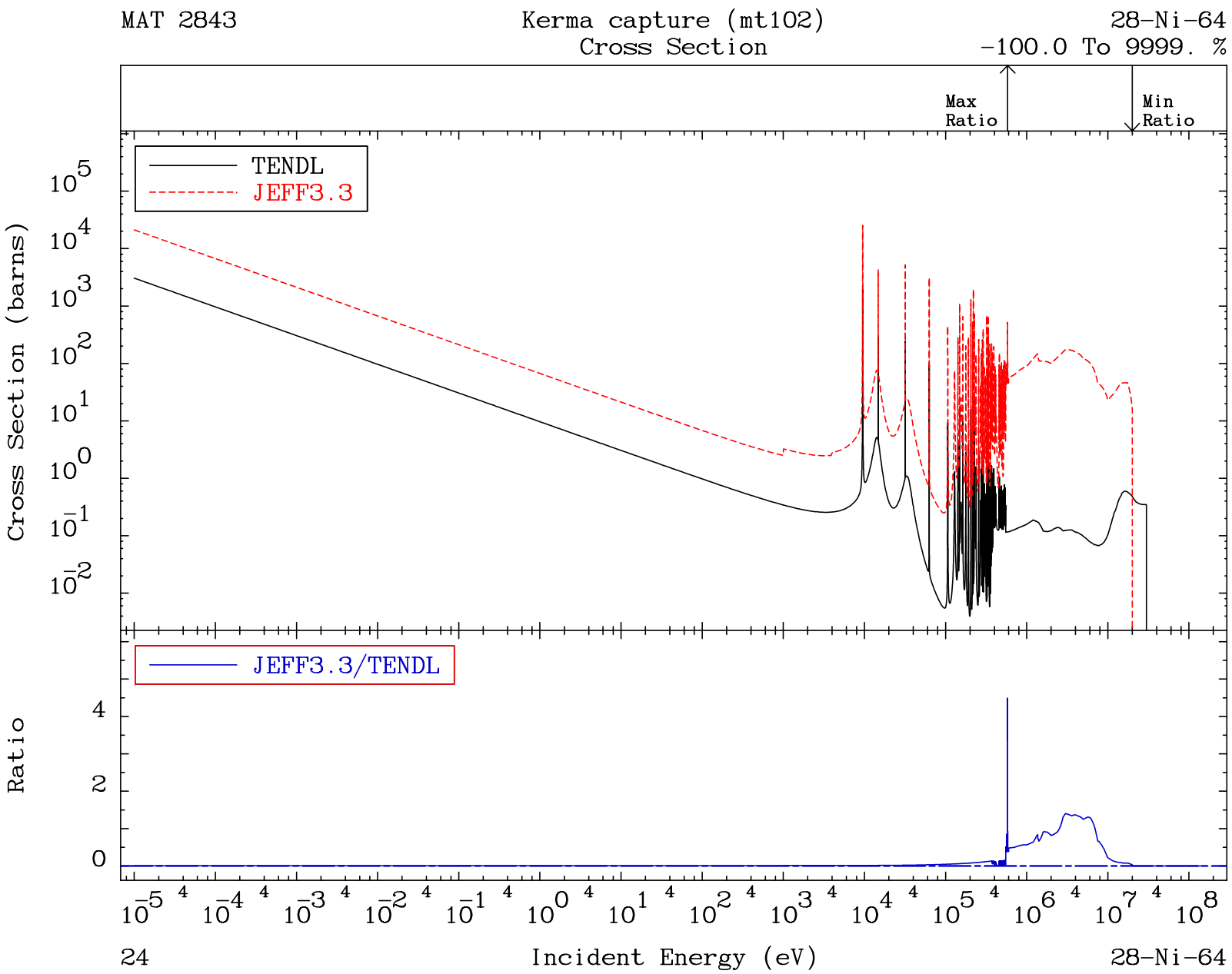

MAT 2843
Kerma total (eV-barns)
Cross Section
28-Ni-64
-82.50 To 601.7 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
19
28-Ni-64

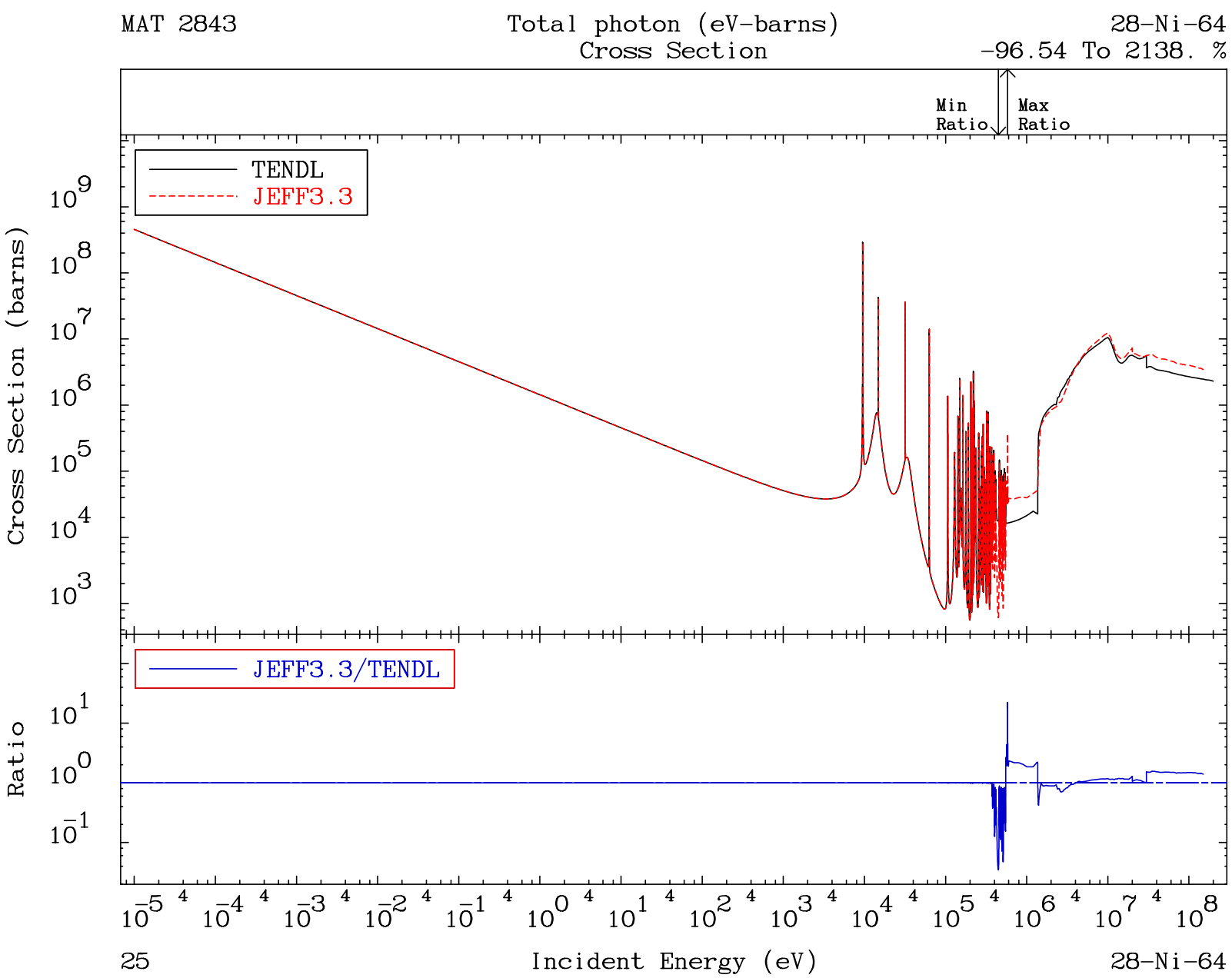

MAT 2843
Kerma elastic
Cross Section
28-Ni-64
-82.58 To 712.4 %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
20
28-Ni-64

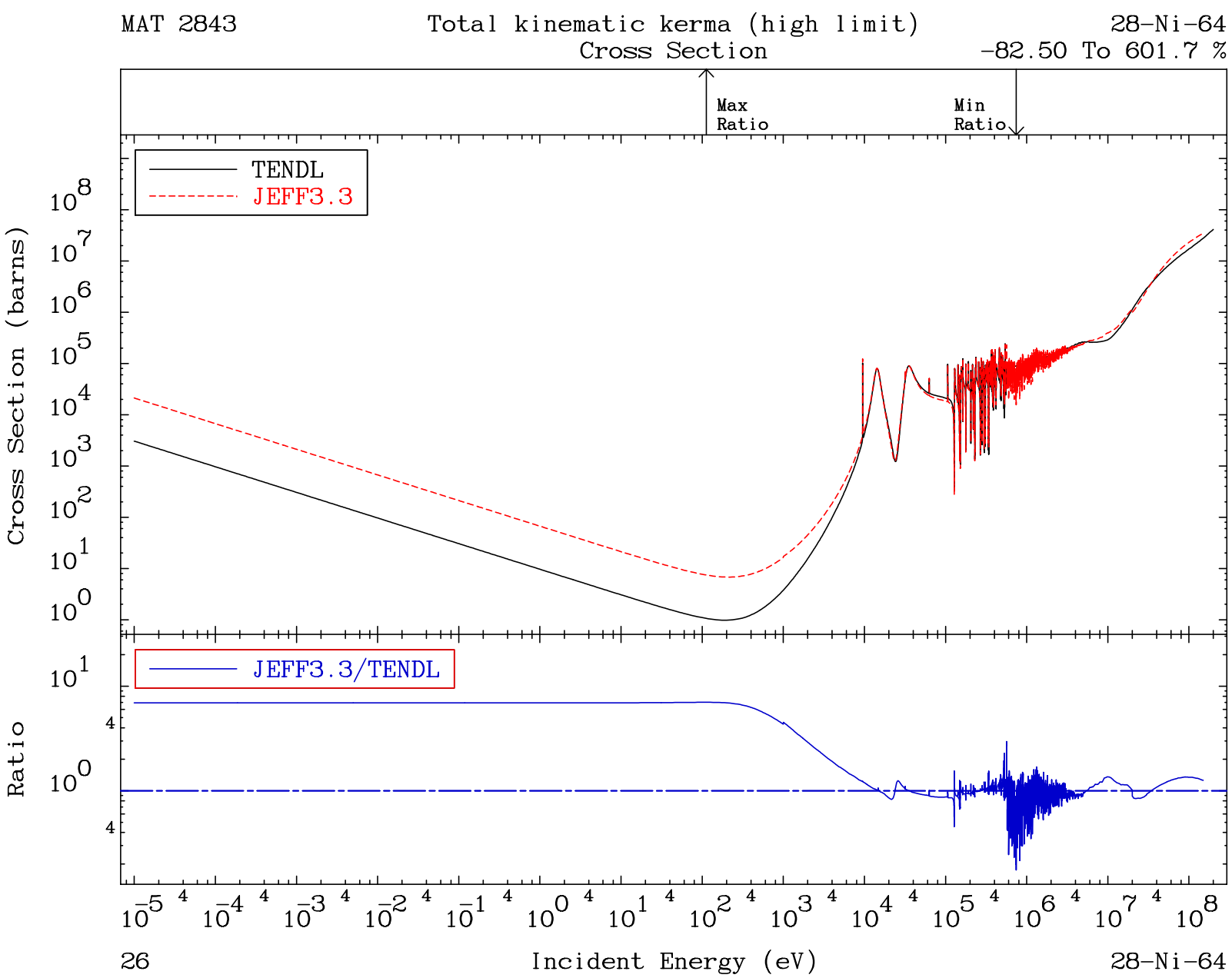

MAT 2843
Kerma non-elastic (all but mt2)
Cross Section
28-Ni-64
-64.55 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
21
28-Ni-64

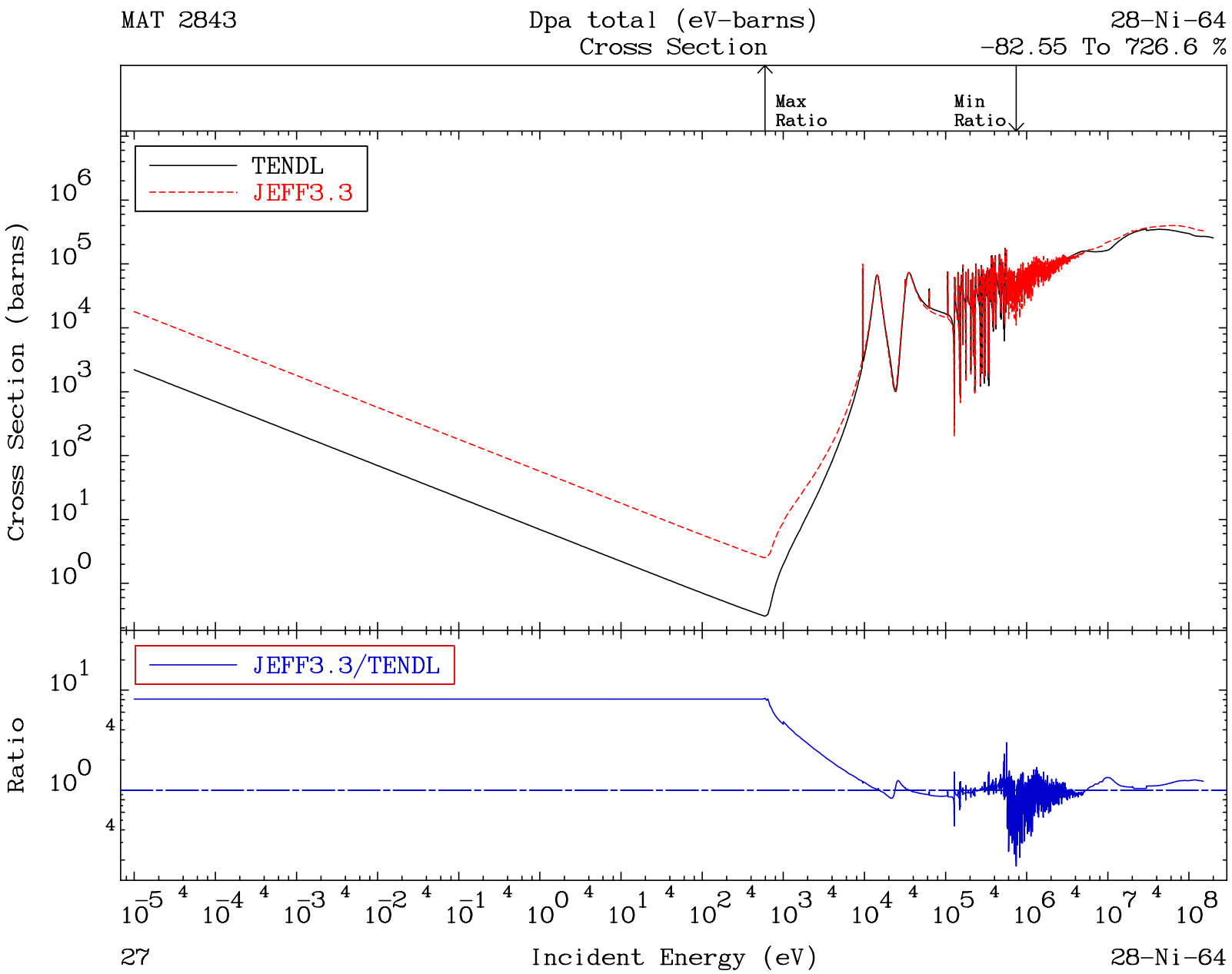

MAT 2843
Kerma inelastic (mt51-91)
Cross Section
28-Ni-64
-100.0 To 1.429 %
Max Ratio
Min Ratio
TENDL Threshold 1.3670 MeV
JEFF3.3 Threshold 1.3672 MeV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
22
28-Ni-64

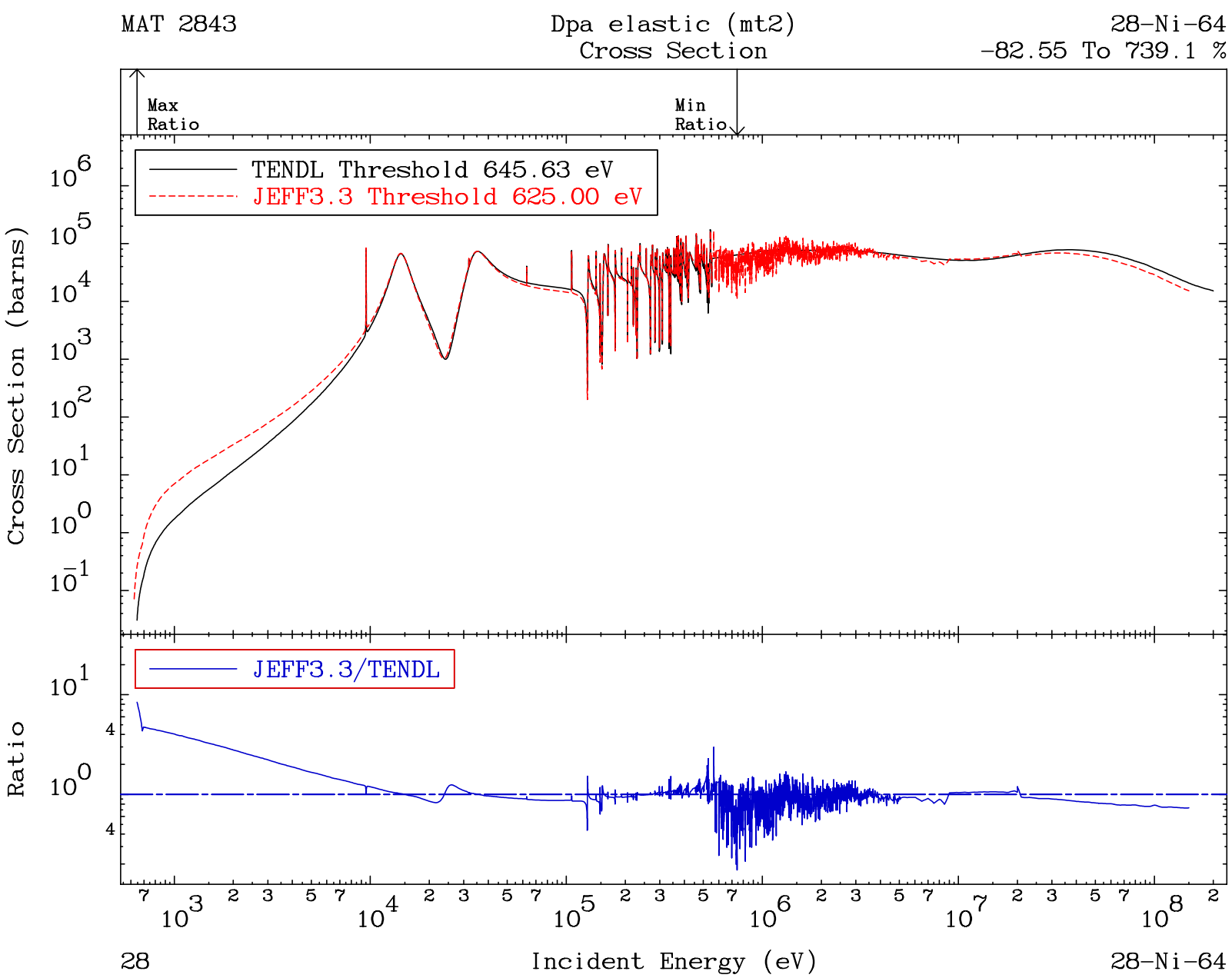

MAT 2843
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
28-Ni-64
-100.0 To 1.429 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
JEFF3.3/TENDL
Ratio
1.2
0.8
0.4
0.0
10-5 4 10-4 4 10-3 4 10-2 4 10-1 4 100 4 101 4 102 4 103 4 104 4 105 4 106 4 107 4 108
23
Incident Energy (eV)
28-Ni-64

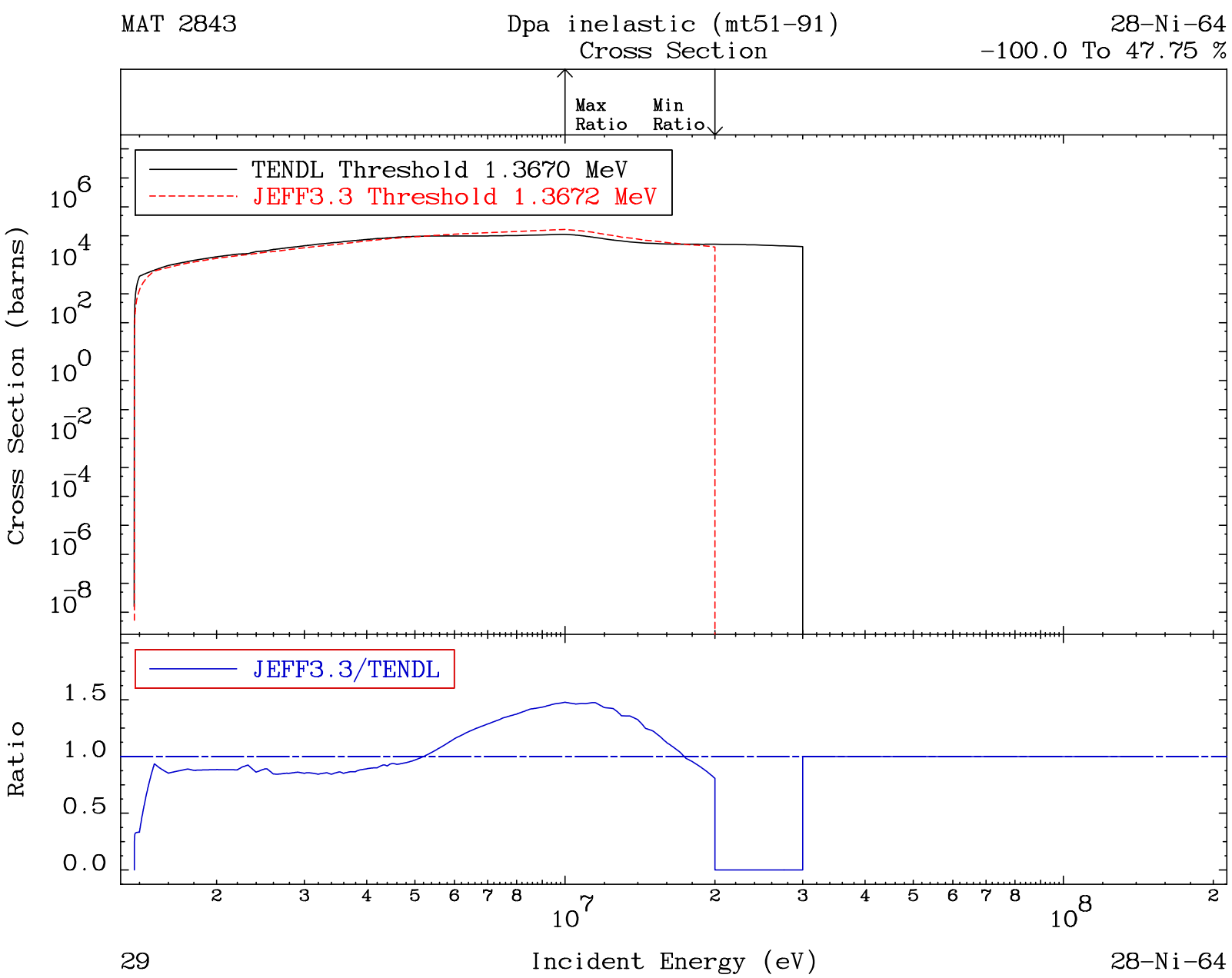

MAT 2843
Kerma capture (mt102)
Cross Section
28-Ni-64
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
24
28-Ni-64

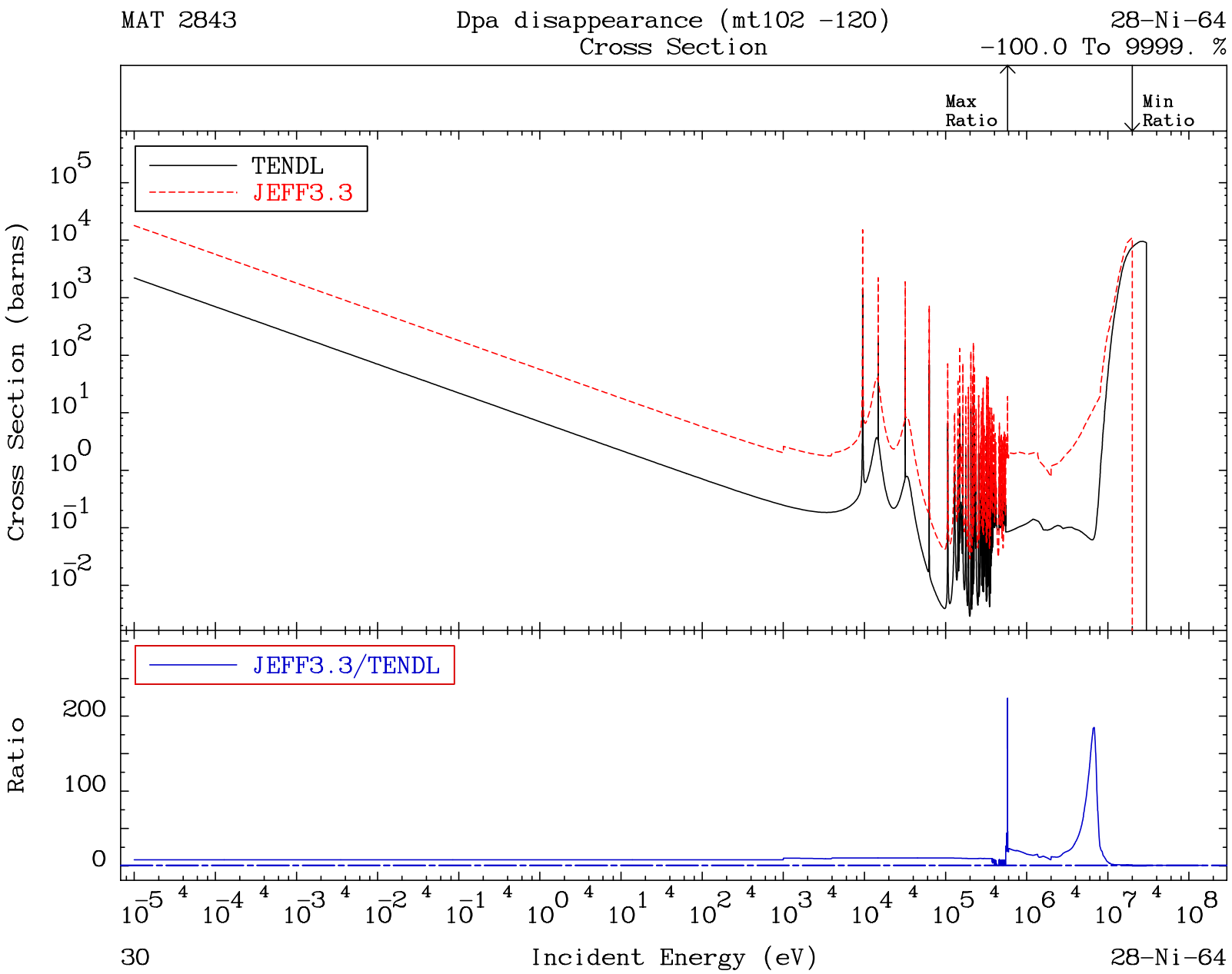

MAT 2843
Total photon (eV-barns)
Cross Section
28-Ni-64
-96.54 To 2138. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
25
28-Ni-64

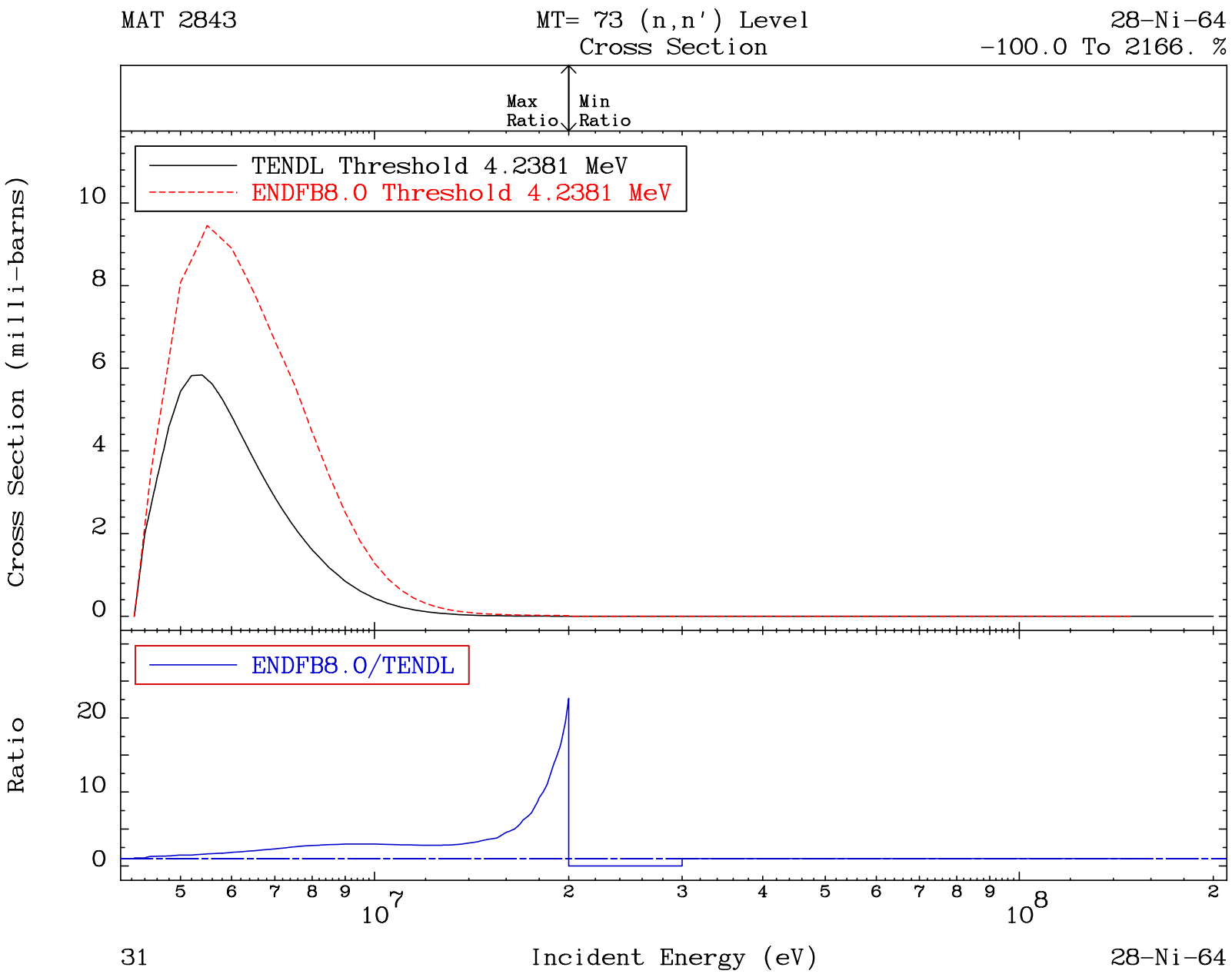

MAT 2843
Total kinematic kerma (high limit)
Cross Section
28-Ni-64
-82.50 To 601.7 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
26
28-Ni-64

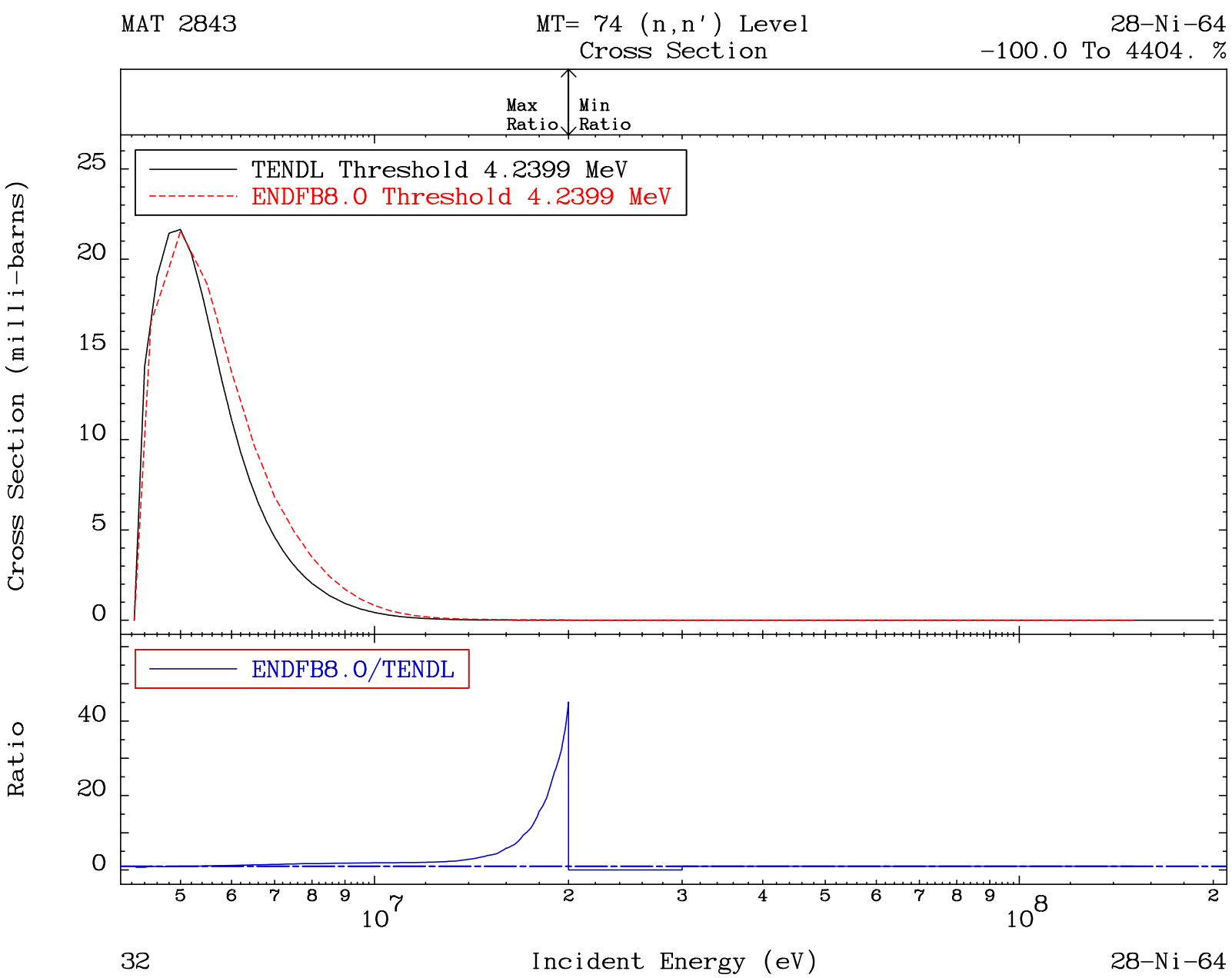

MAT 2843
Dpa total (eV-barns)
Cross Section
28-Ni-64
-82.55 To 726.6 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
27
28-Ni-64

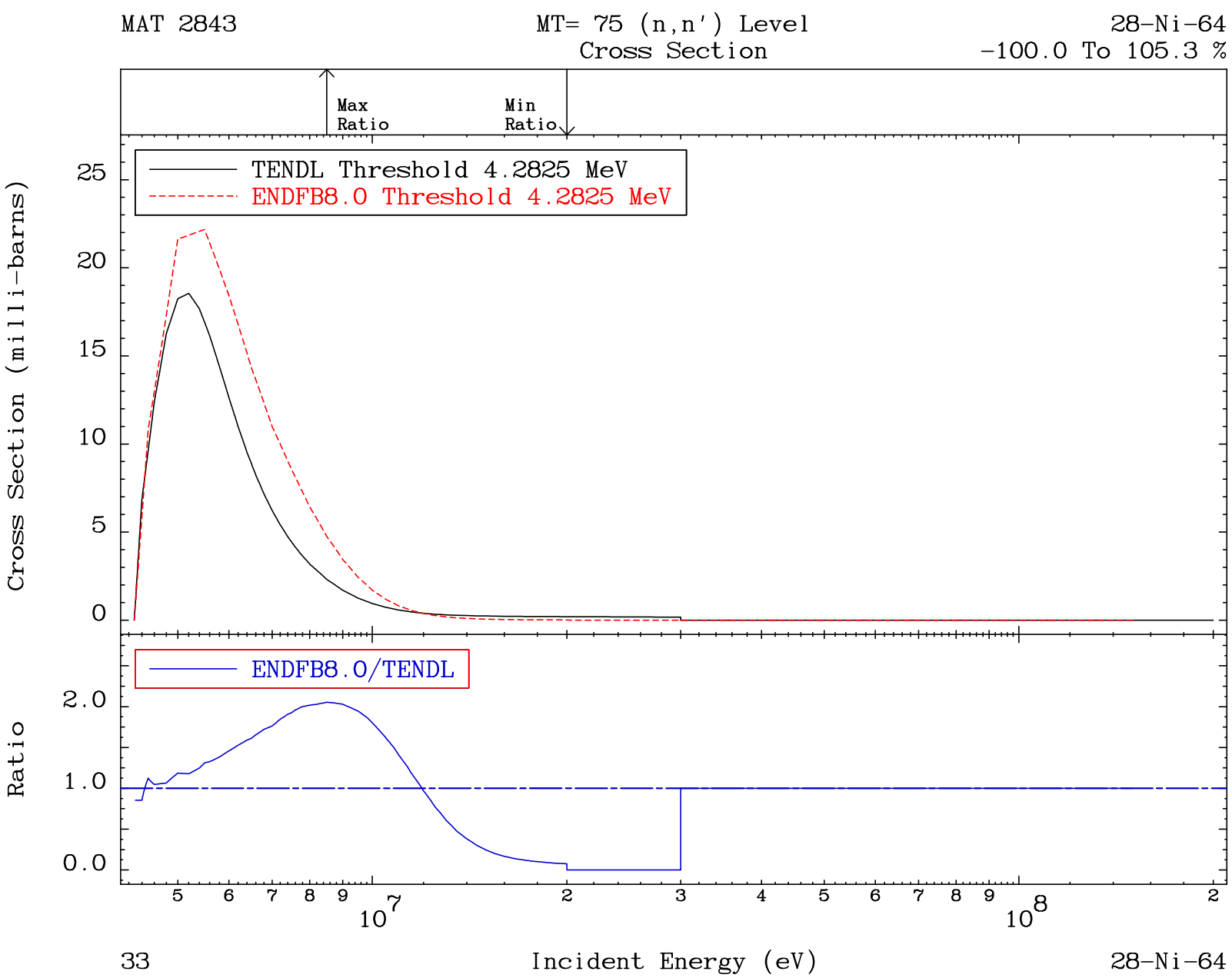

MAT 2843
Dpa elastic (mt2)
Cross Section
28-Ni-64
-82.55 To 739.1 %
Max Ratio
Min Ratio
TENDL Threshold 645.63 eV
JEFF3.3 Threshold 625.00 eV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
28
28-Ni-64

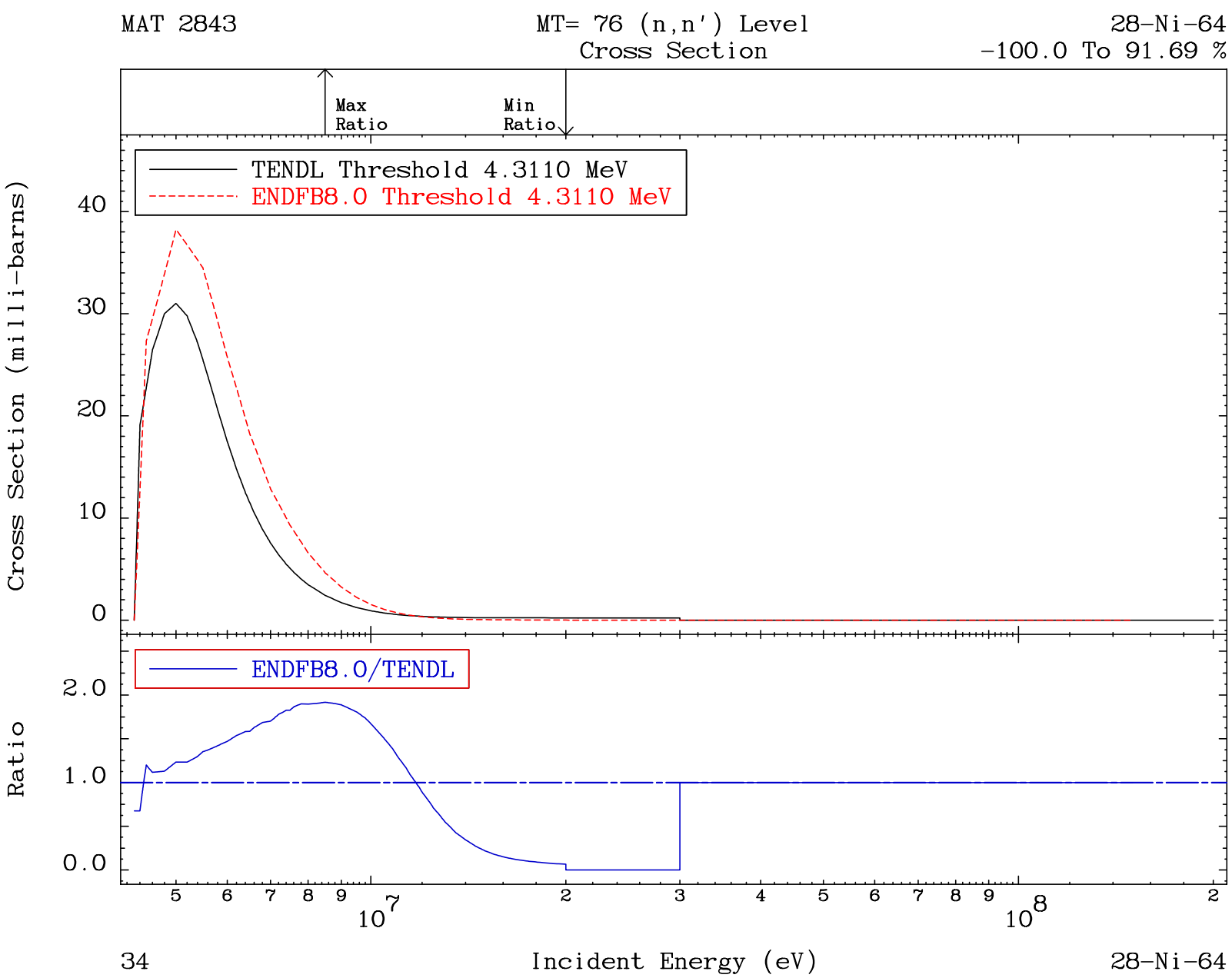

MAT 2843
Dpa inelastic (mt51-91)
Cross Section
28-Ni-64
-100.0 To 47.75 %
Max Ratio
Min Ratio
TENDL Threshold 1.3670 MeV
JEFF3.3 Threshold 1.3672 MeV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
29
28-Ni-64

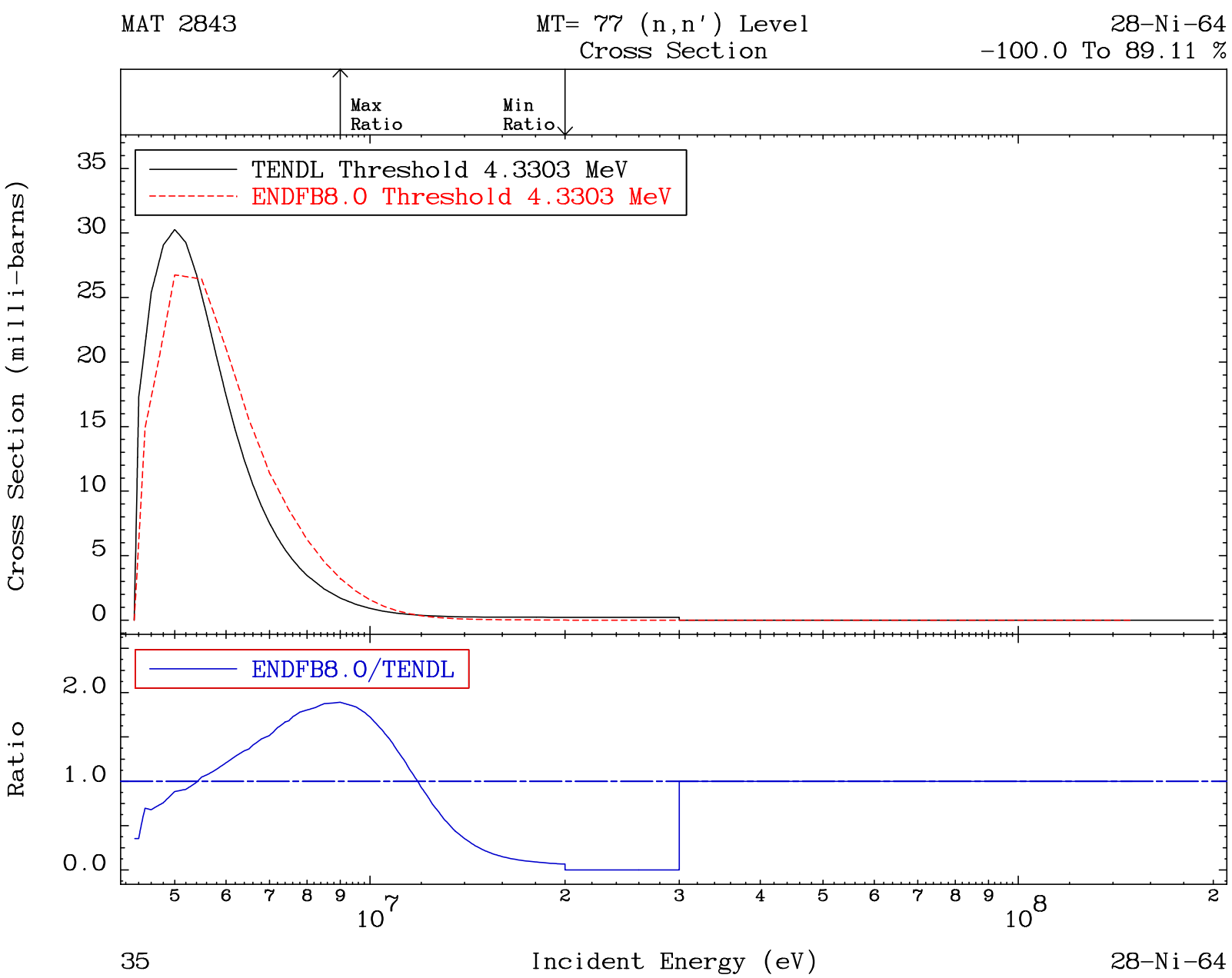

MAT 2843
Dpa disappearance (mt102 -120)
Cross Section
28-Ni-64
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
30
28-Ni-64

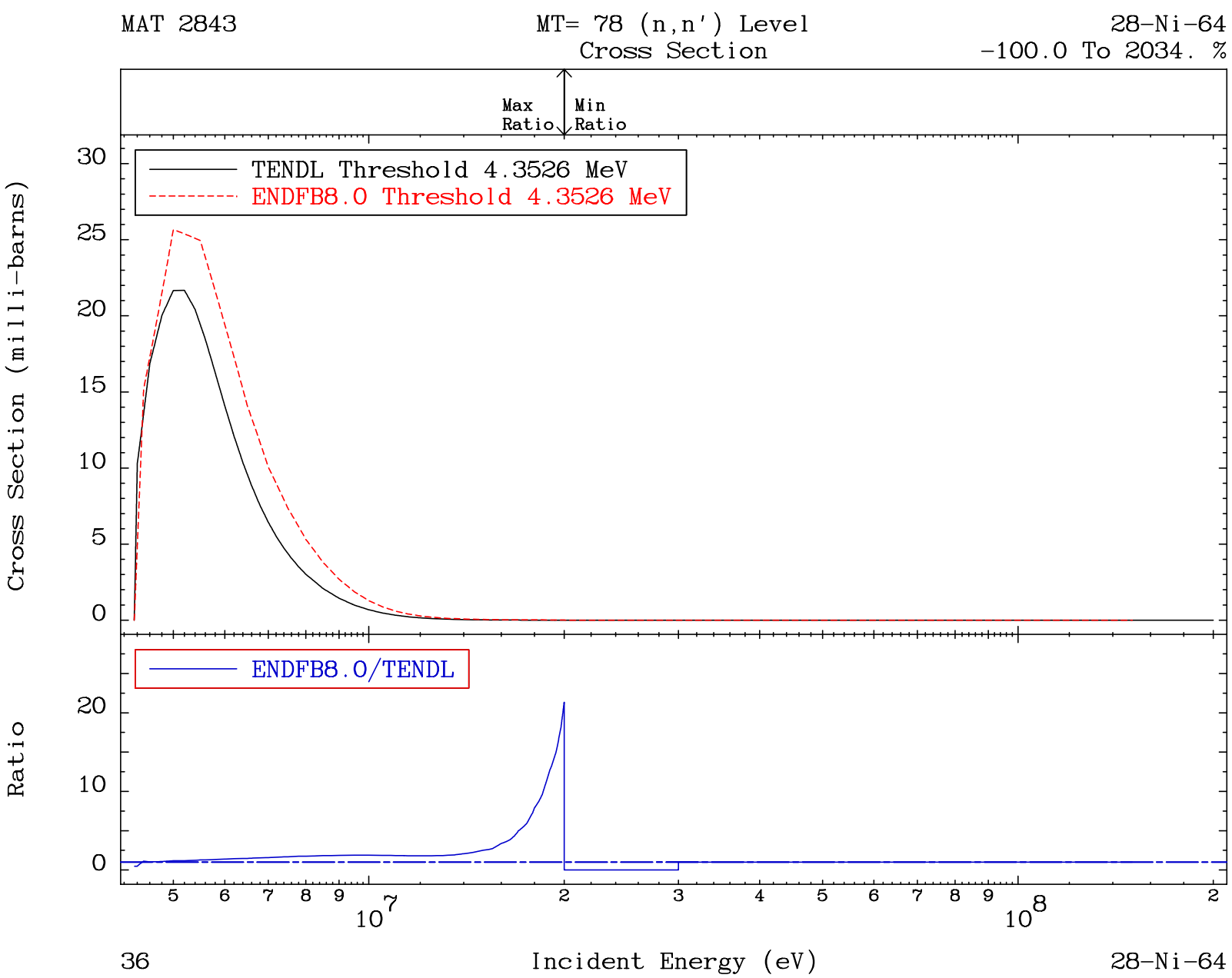

MAT 2843
MT= 73 (n,n') Level
Cross Section
28-Ni-64
-100.0 To 2166. %
Max Ratio
Min Ratio
TENDL Threshold 4.2381 MeV
ENDFB8.0 Threshold 4.2381 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
ENDFB8.0/TENDL
Ratio
0
10
20
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
31
Incident Energy (eV)
28-Ni-64

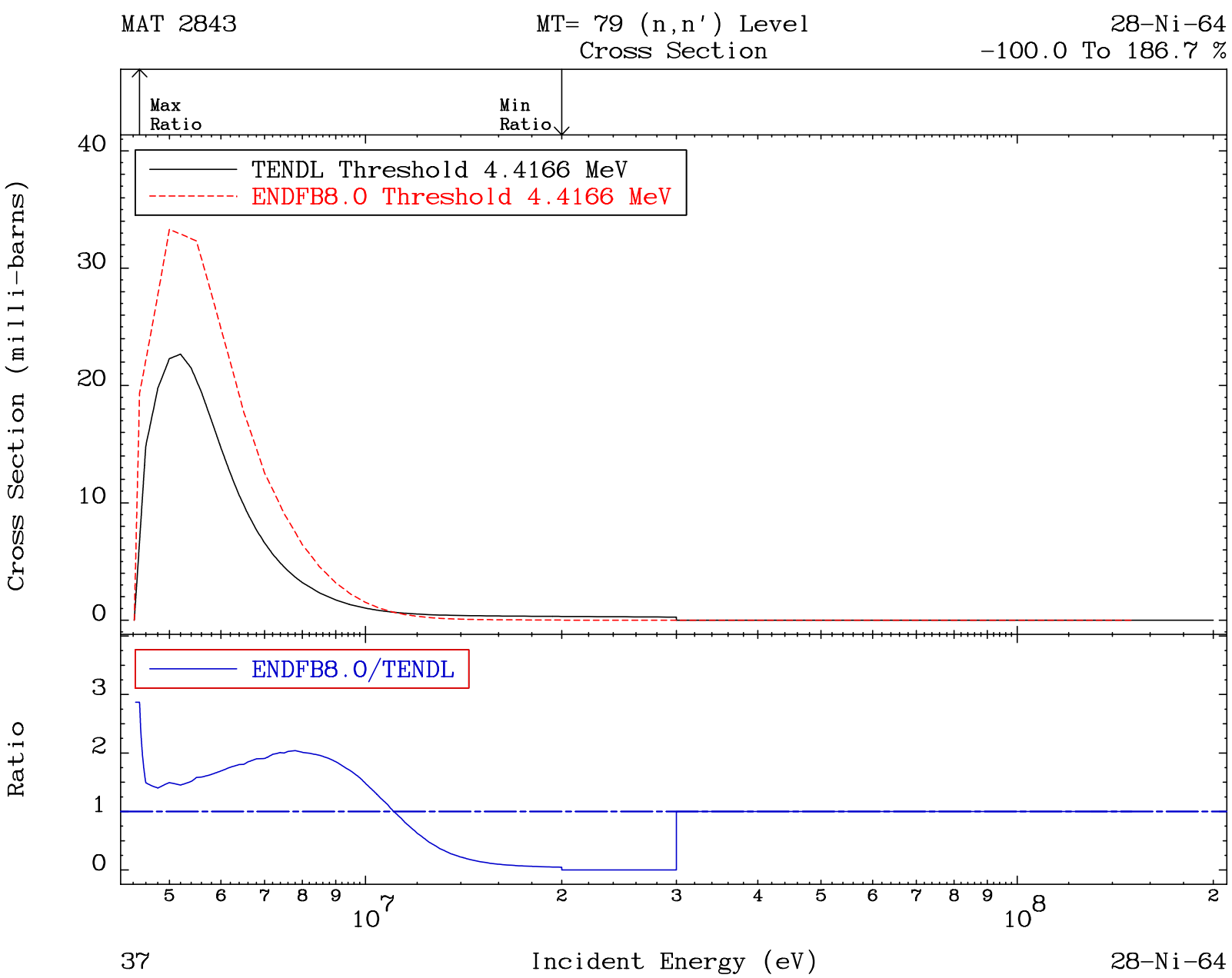

MAT 2843
MT= 74 (n,n') Level
Cross Section
28-Ni-64
-100.0 To 4404. %
Max Ratio
Min Ratio
TENDL Threshold 4.2399 MeV
ENDFB8.0 Threshold 4.2399 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
40
20
0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
32
Incident Energy (eV)
28-Ni-64

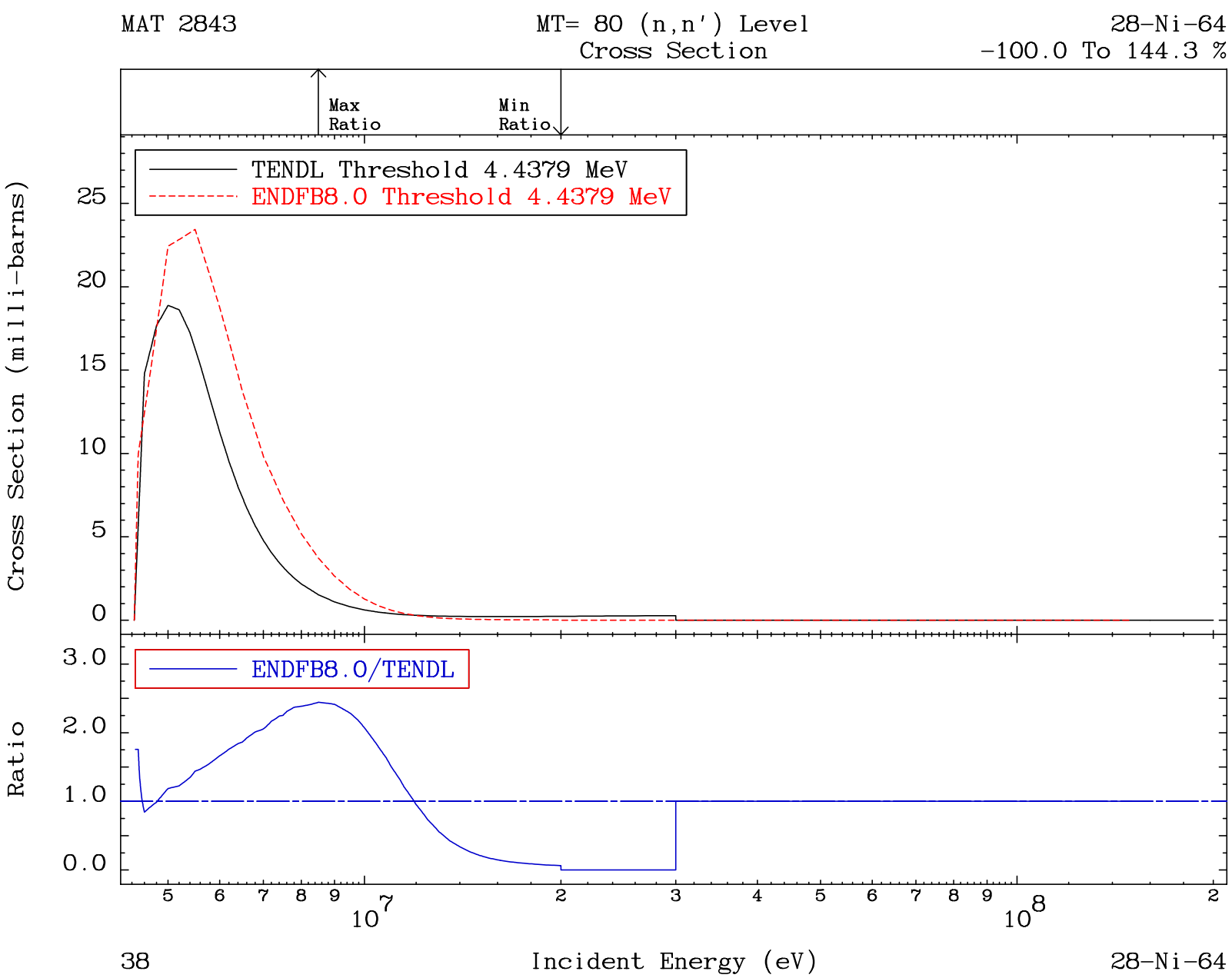

MAT 2843
MT= 75 (n,n') Level
Cross Section
28-Ni-64
-100.0 To 105.3 %
Max
Ratio
Min
Ratio
TENDL Threshold 4.2825 MeV
ENDFB8.0 Threshold 4.2825 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
2.0
1.0
0.0
5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
33
Incident Energy (eV)
28-Ni-64

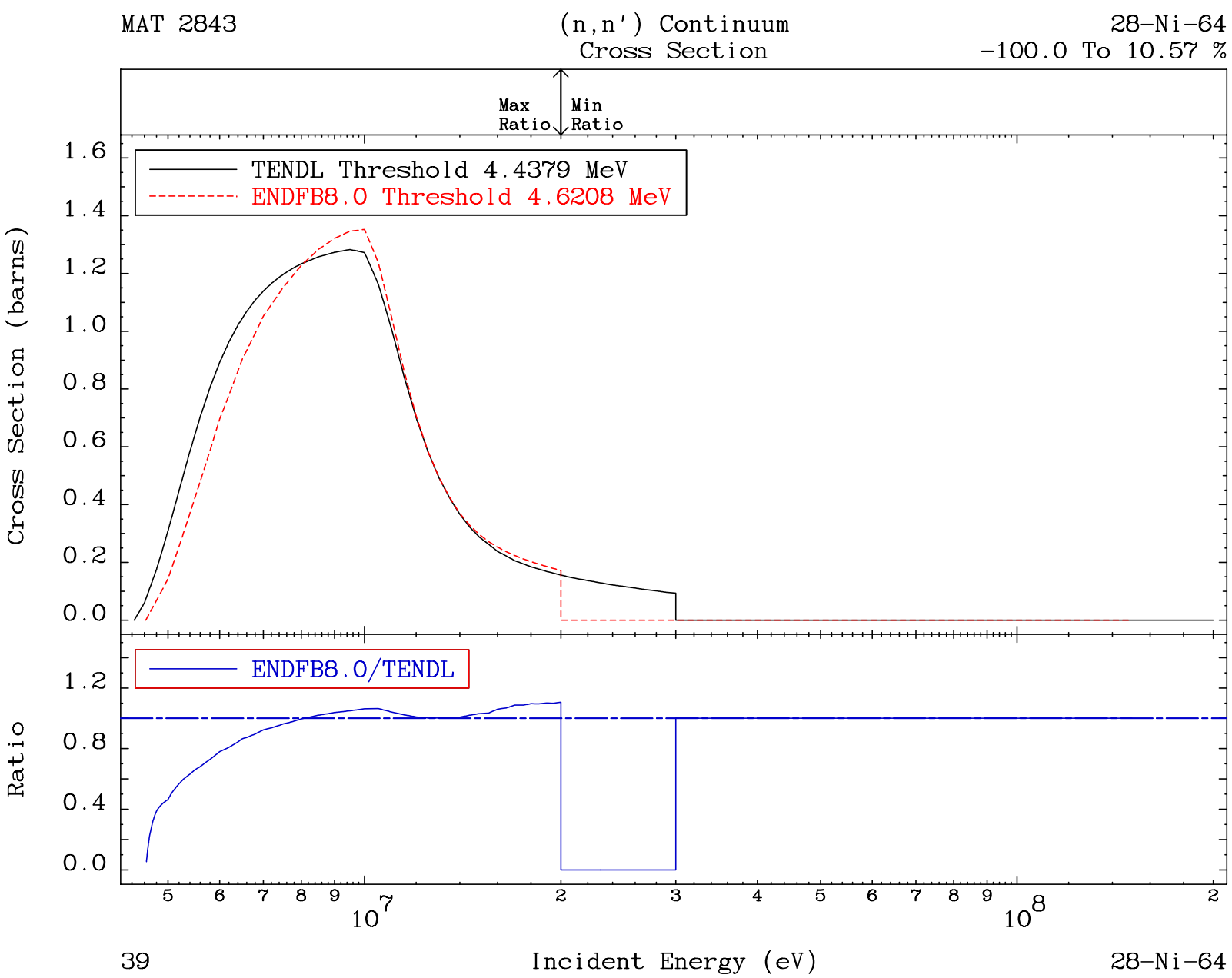

MAT 2843
MT= 76 (n,n') Level
Cross Section
28-Ni-64
-100.0 To 91.69 %
Max
Ratio
Min
Ratio
TENDL Threshold 4.3110 MeV
ENDFB8.0 Threshold 4.3110 MeV
Cross Section (milli-barns)
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
2.0
1.0
0.0
5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
34
Incident Energy (eV)
28-Ni-64

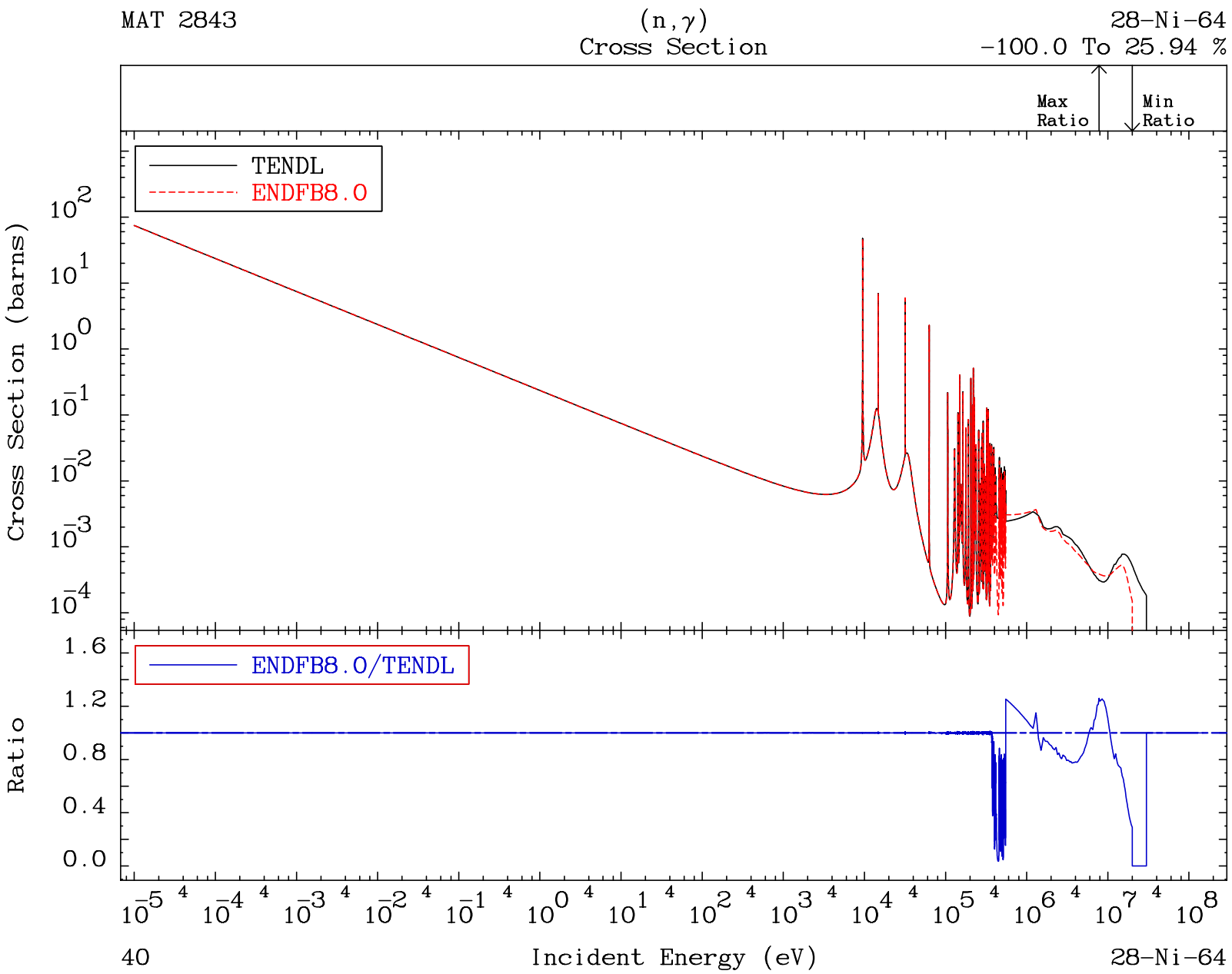

MAT 2843
MT= 77 (n,n') Level
Cross Section
28-Ni-64
-100.0 To 89.11 %
Max
Ratio
Min
Ratio
TENDL Threshold 4.3303 MeV
ENDFB8.0 Threshold 4.3303 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
2.0
1.0
0.0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
35
Incident Energy (eV)
28-Ni-64

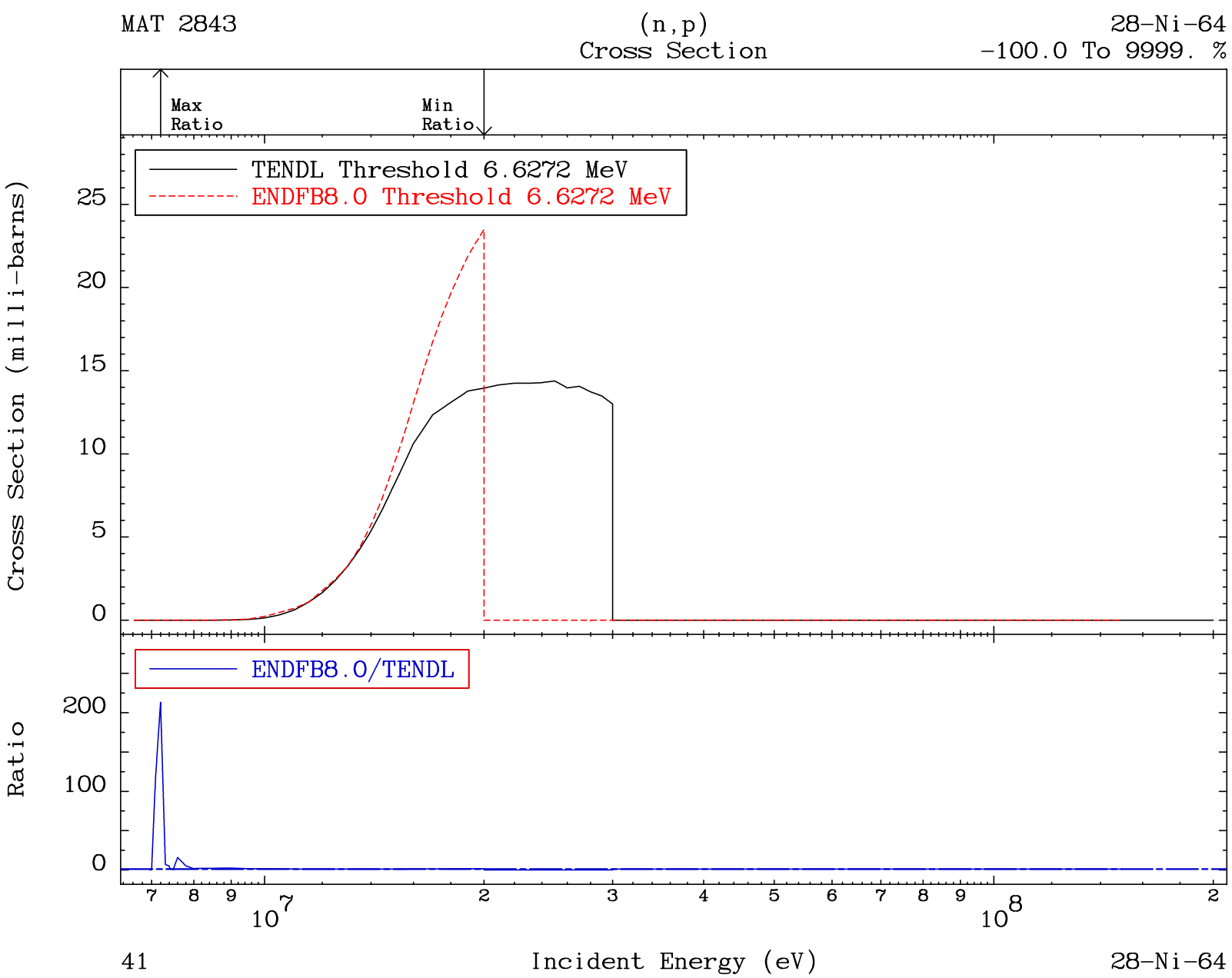

MAT 2843
MT= 78 (n,n') Level
Cross Section
28-Ni-64
-100.0 To 2034. %
Max Ratio
Min Ratio
TENDL Threshold 4.3526 MeV
ENDFB8.0 Threshold 4.3526 MeV
Cross Section (milli-barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
36
28-Ni-64

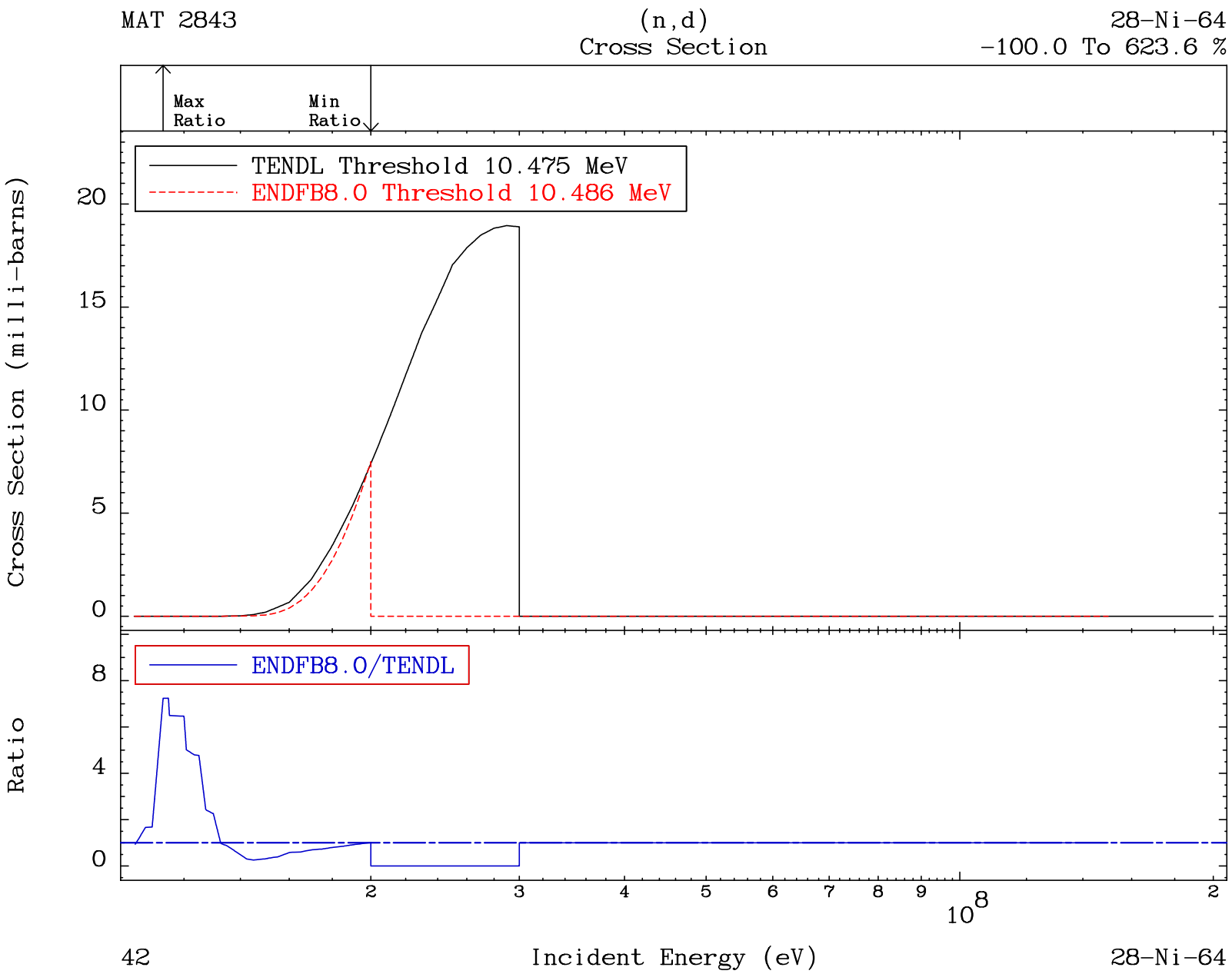

MAT 2843
MT= 79 (n,n') Level
Cross Section
28-Ni-64
-100.0 To 186.7 %
Max
Ratio
Min
Ratio
TENDL Threshold 4.4166 MeV
ENDFB8.0 Threshold 4.4166 MeV
Cross Section (milli-barns)
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
3
2
1
0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
37
Incident Energy (eV)
28-Ni-64

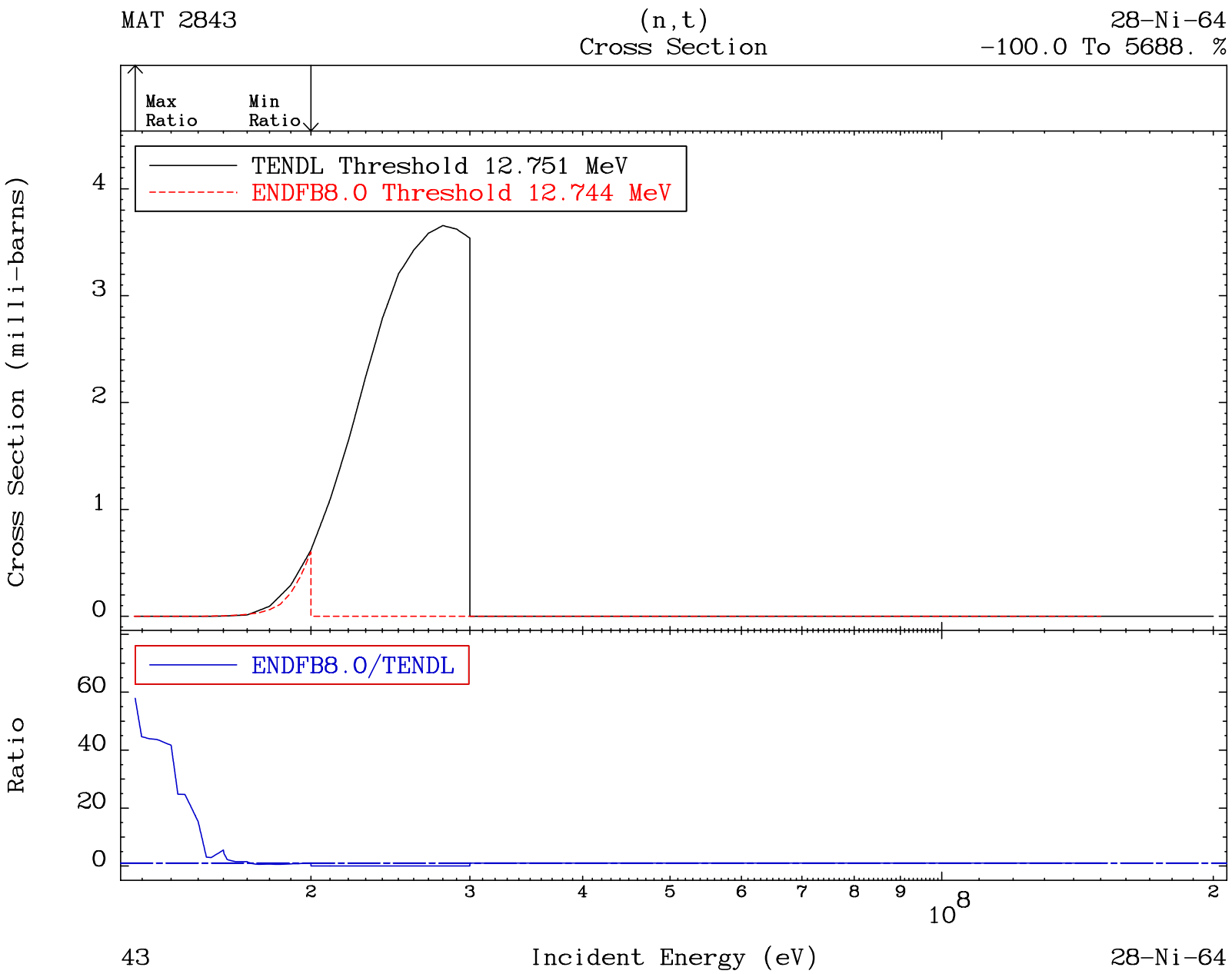

MAT 2843
MT= 80 (n,n') Level
Cross Section
28-Ni-64
-100.0 To 144.3 %
Max
Ratio
Min
Ratio
TENDL Threshold 4.4379 MeV
ENDFB8.0 Threshold 4.4379 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
3.0
2.0
1.0
0.0
5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
38
Incident Energy (eV)
28-Ni-64

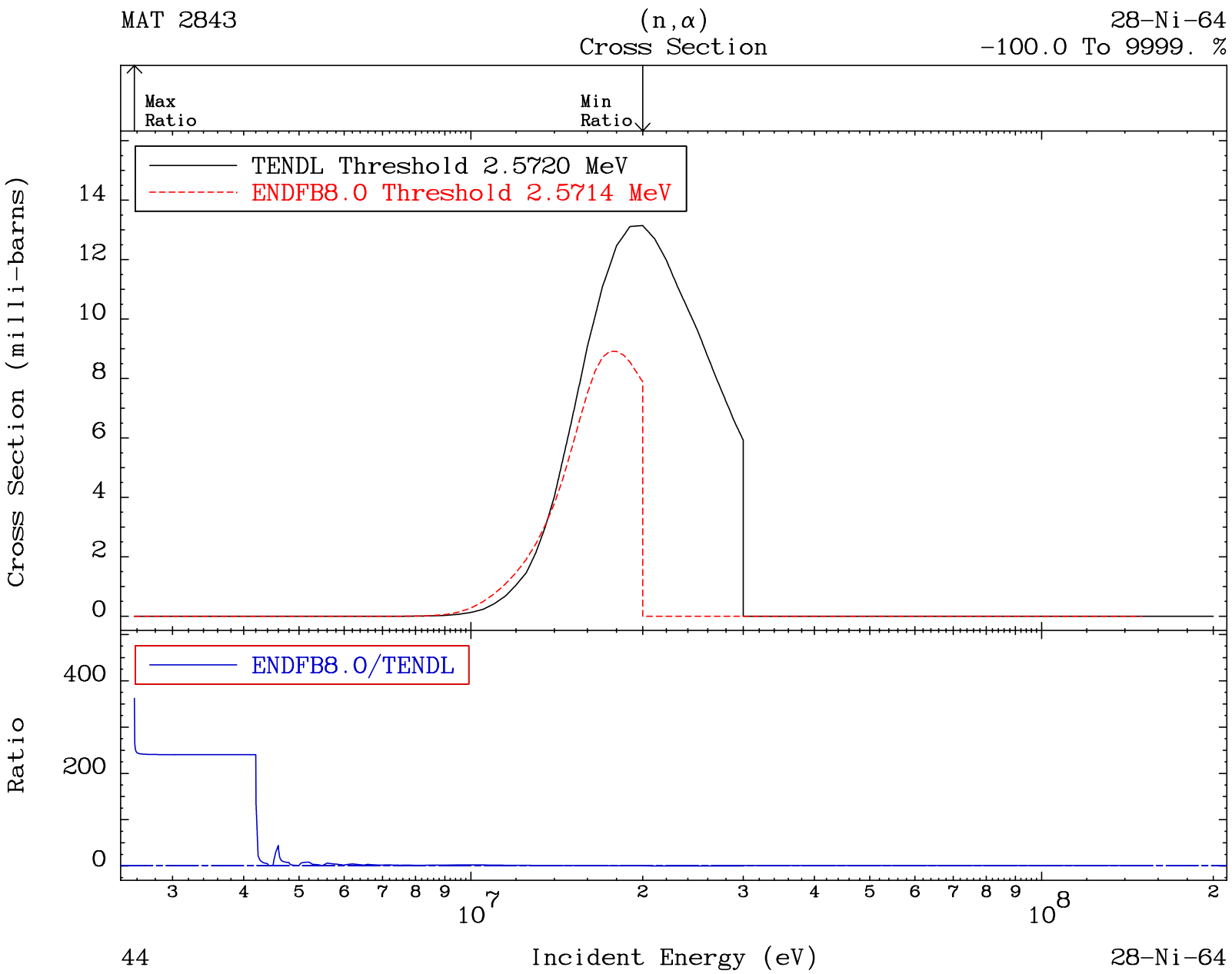

MAT 2843
(n,n') Continuum
Cross Section
28-Ni-64
-100.0 To 10.57 %
Max Ratio
Min Ratio
TENDL Threshold 4.4379 MeV
ENDFB8.0 Threshold 4.6208 MeV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
ENDFB8.0/TENDL
Ratio
1.2
0.8
0.4
0.0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
39
Incident Energy (eV)
28-Ni-64

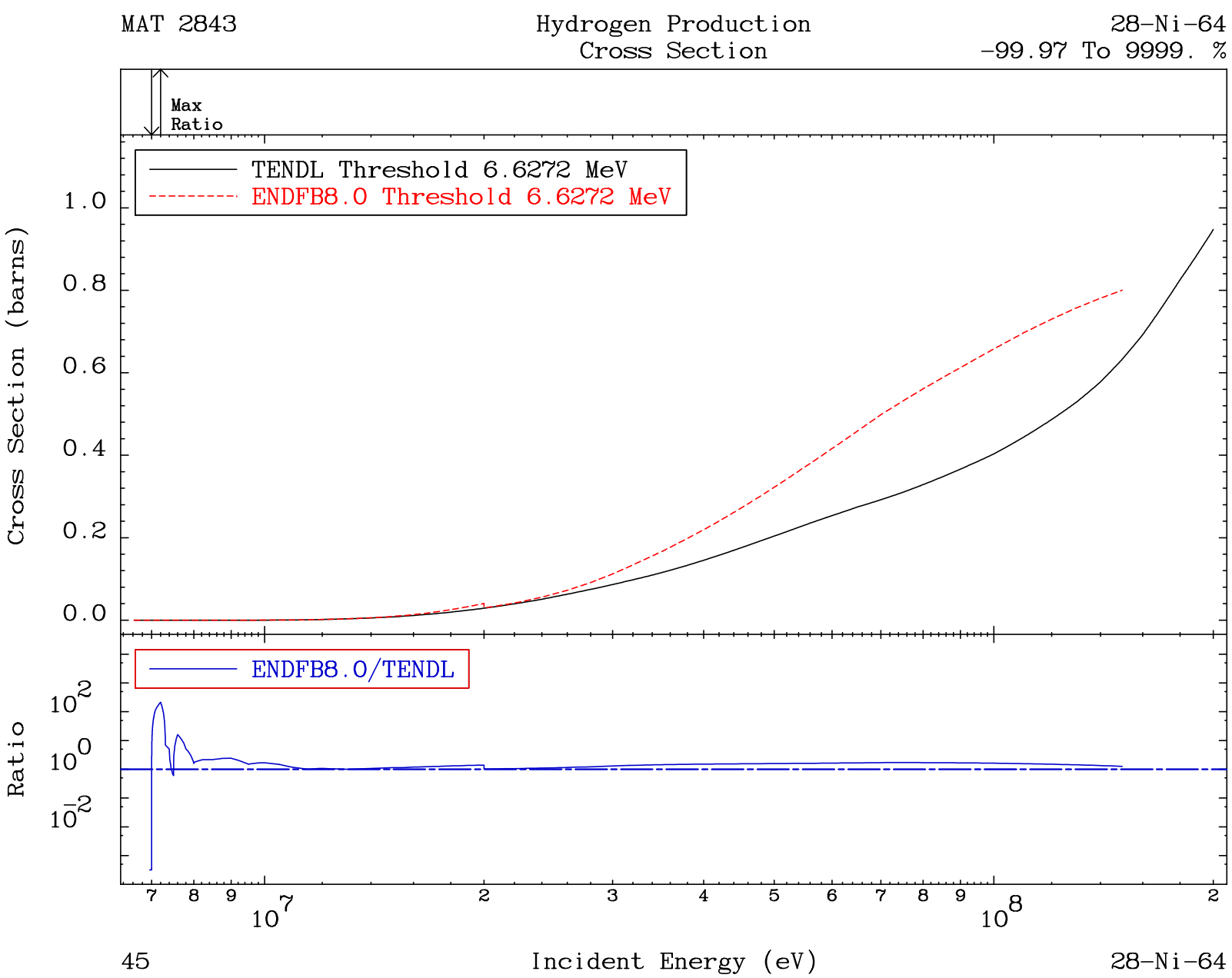

MAT 2843
(n,γ)
Cross Section
28-Ni-64
-100.0 To 25.94 %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
40
28-Ni-64

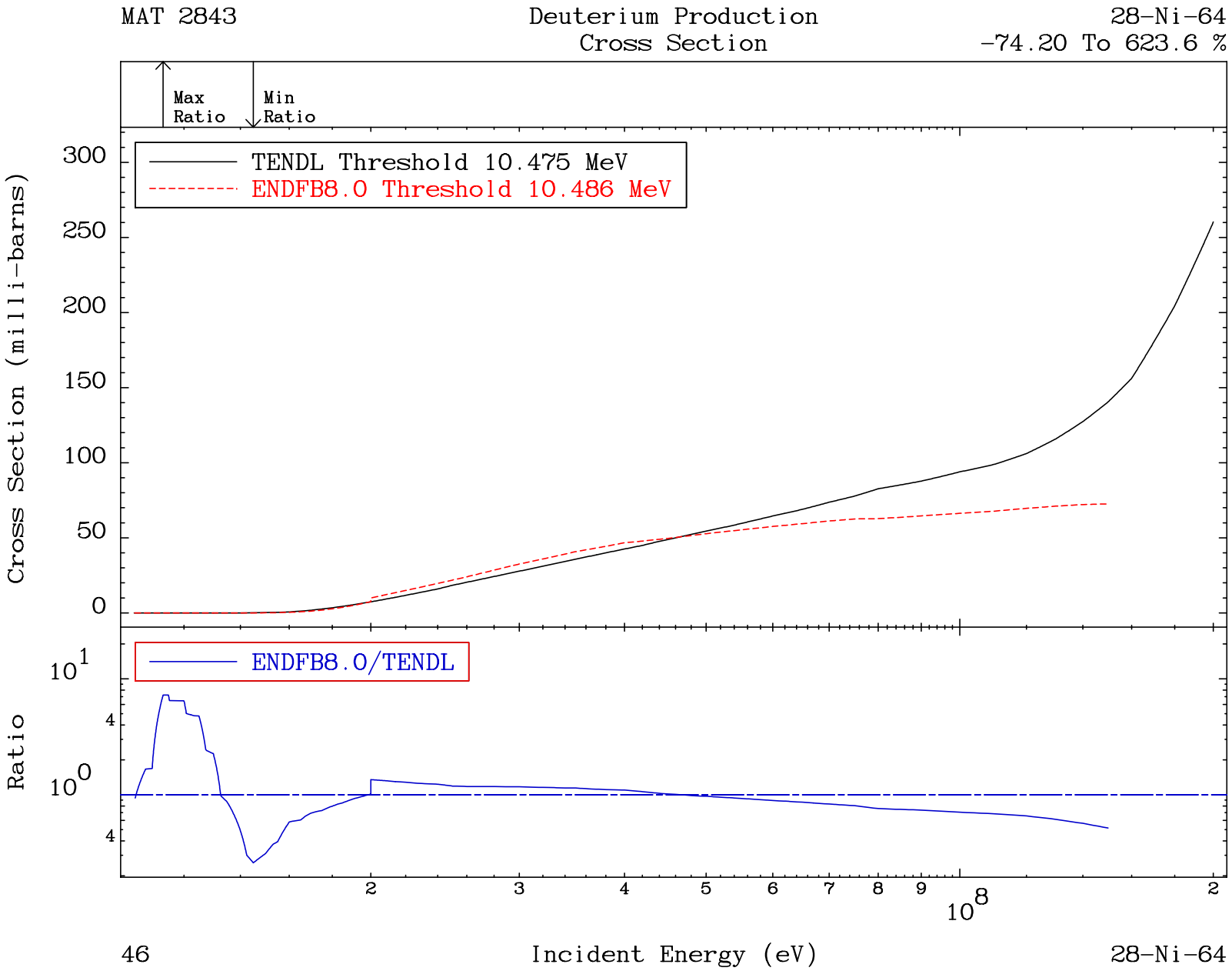

MAT 2843
(n,p)
Cross Section
28-Ni-64
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.6272 MeV
ENDFB8.0 Threshold 6.6272 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
200
100
0
7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
41
Incident Energy (eV)
28-Ni-64

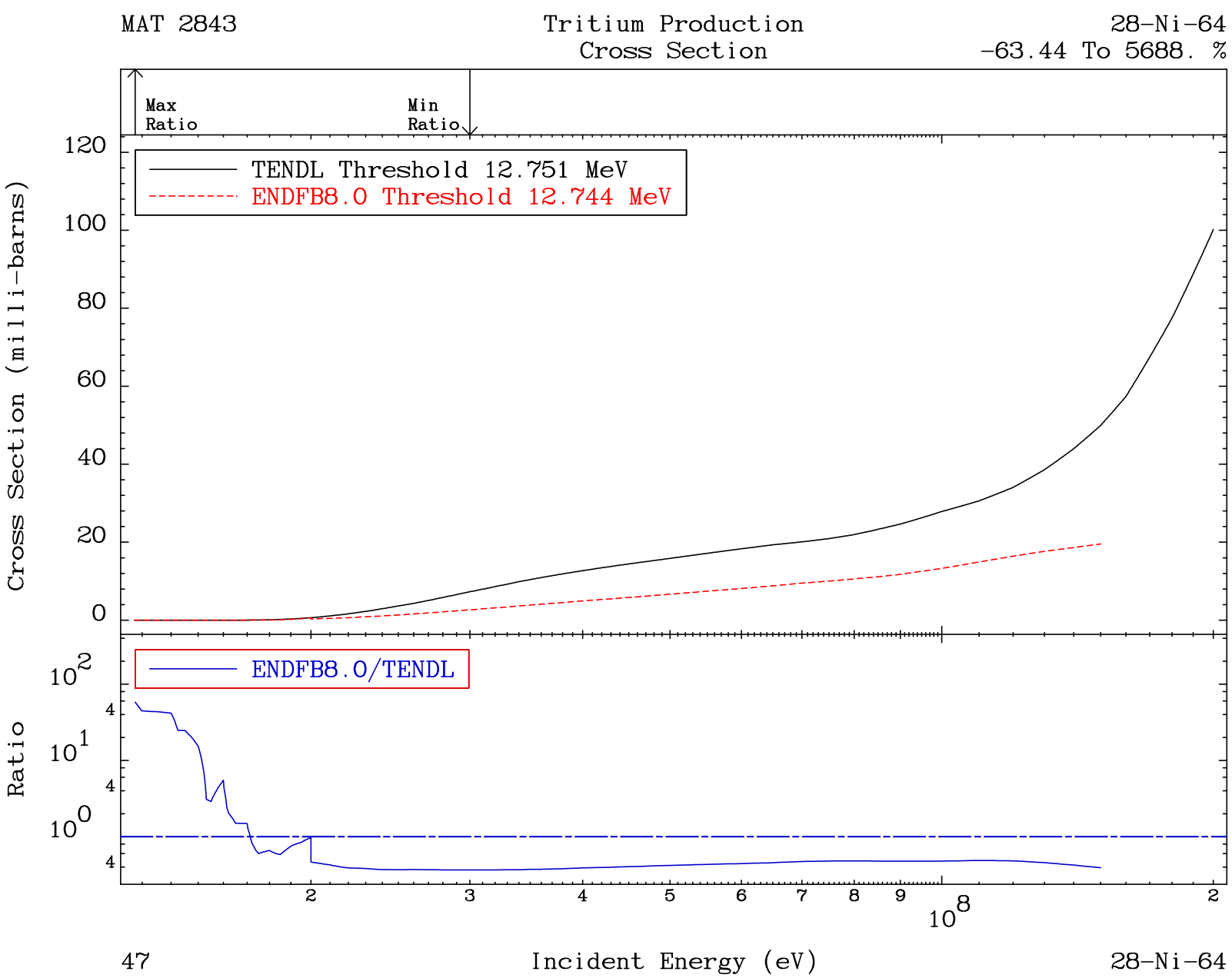

MAT 2843
(n,d)
Cross Section
28-Ni-64
-100.0 To 623.6 %
Max Ratio
Min Ratio
TENDL Threshold 10.475 MeV
ENDFB8.0 Threshold 10.486 MeV
Cross Section (milli-barns)
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
8
4
0
2
3
4
5
6
7
8
9
10^8
2
42
Incident Energy (eV)
28-Ni-64

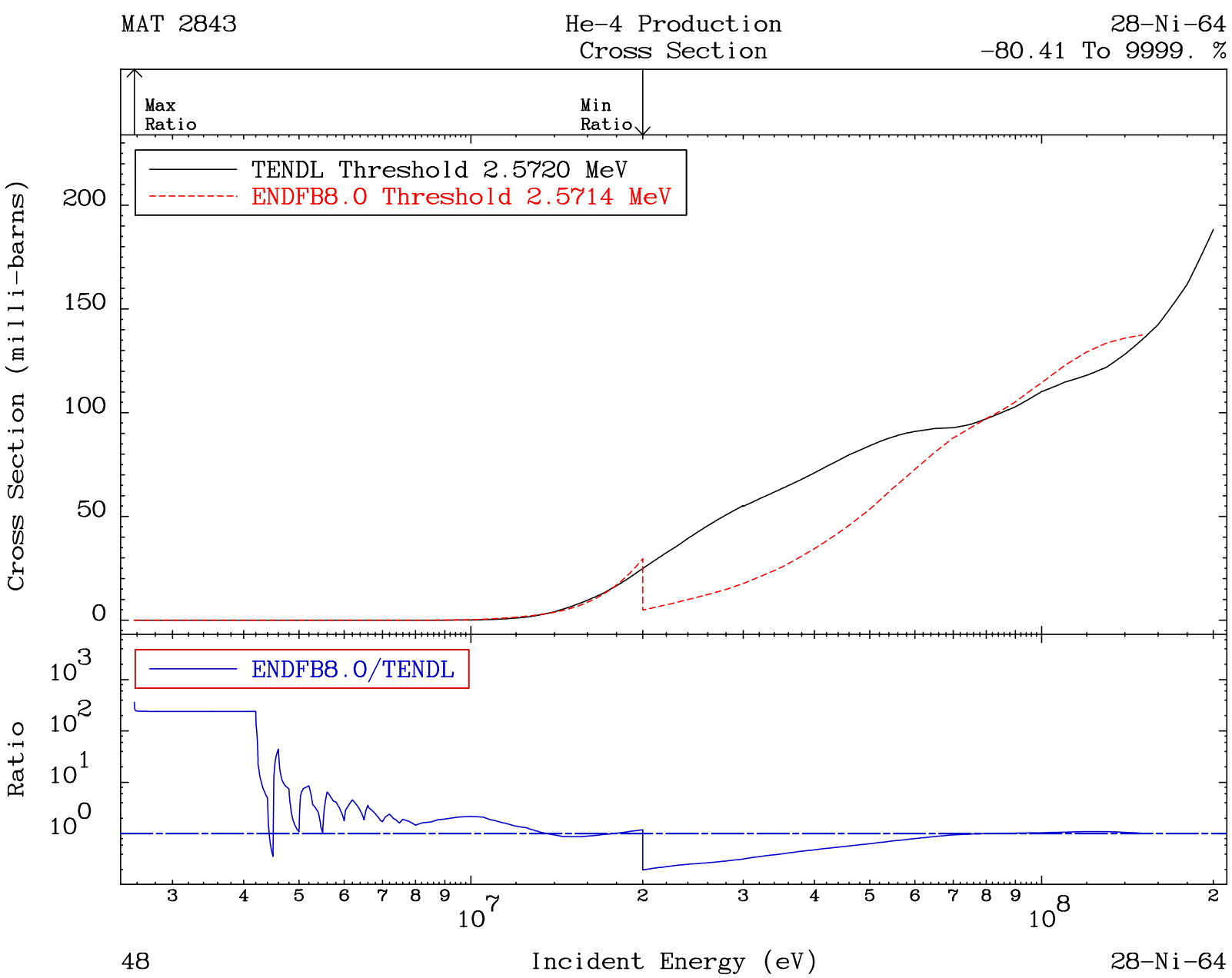

MAT 2843
(n,t)
Cross Section
28-Ni-64
-100.0 To 5688. %
Max Ratio
Min Ratio
TENDL Threshold 12.751 MeV
ENDFB8.0 Threshold 12.744 MeV
Cross Section (milli-barns)
0
1
2
3
4
ENDFB8.0/TENDL
Ratio
0
20
40
60
2
3
4
5
6
7
8
9
10^8
2
43
Incident Energy (eV)
28-Ni-64

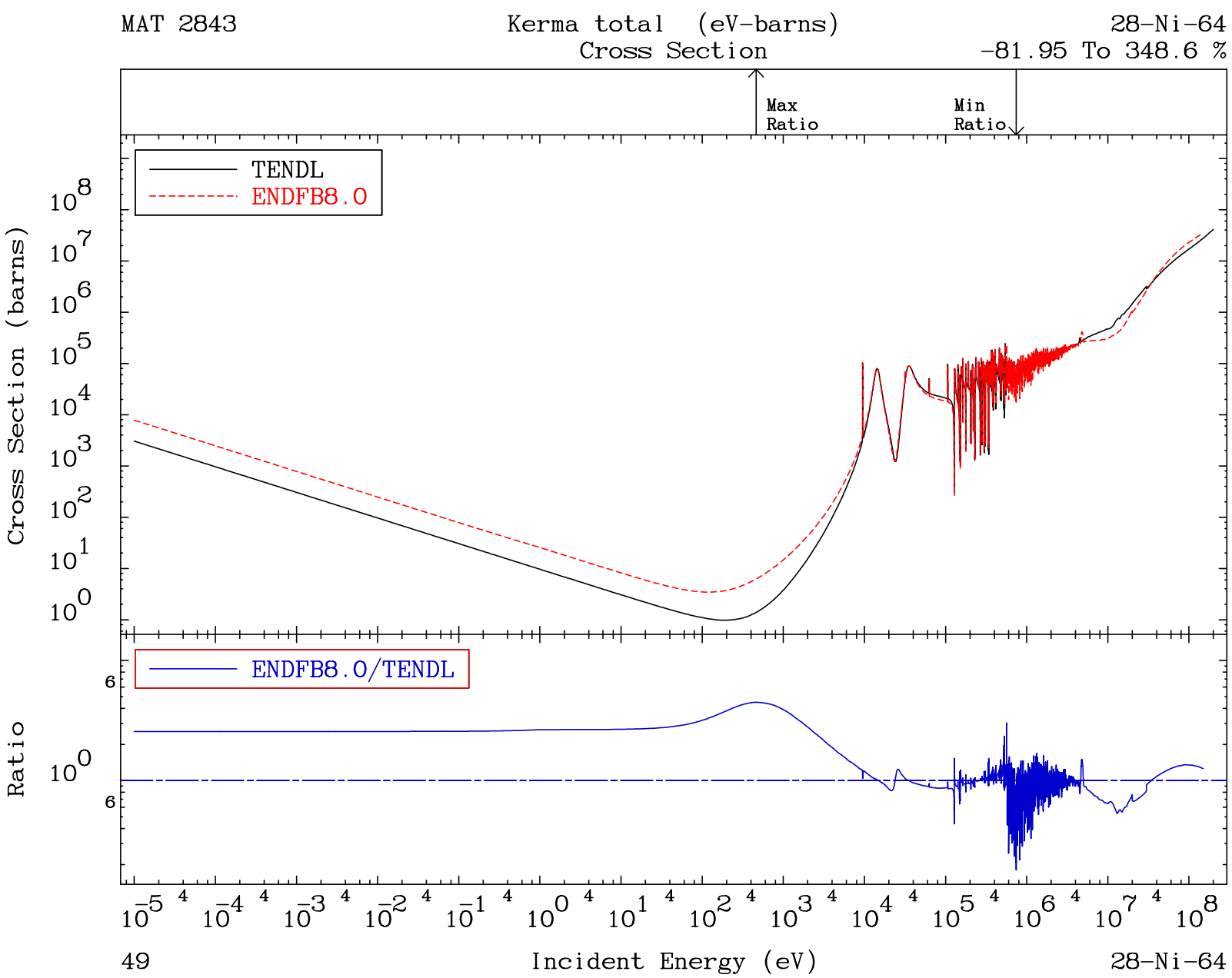

MAT 2843
(n,α)
Cross Section
28-Ni-64
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.5720 MeV
ENDFB8.0 Threshold 2.5714 MeV
Cross Section (milli-barns)
14
12
10
8
6
4
2
0
ENDFB8.0/TENDL
Ratio
400
200
0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
44
Incident Energy (eV)
28-Ni-64

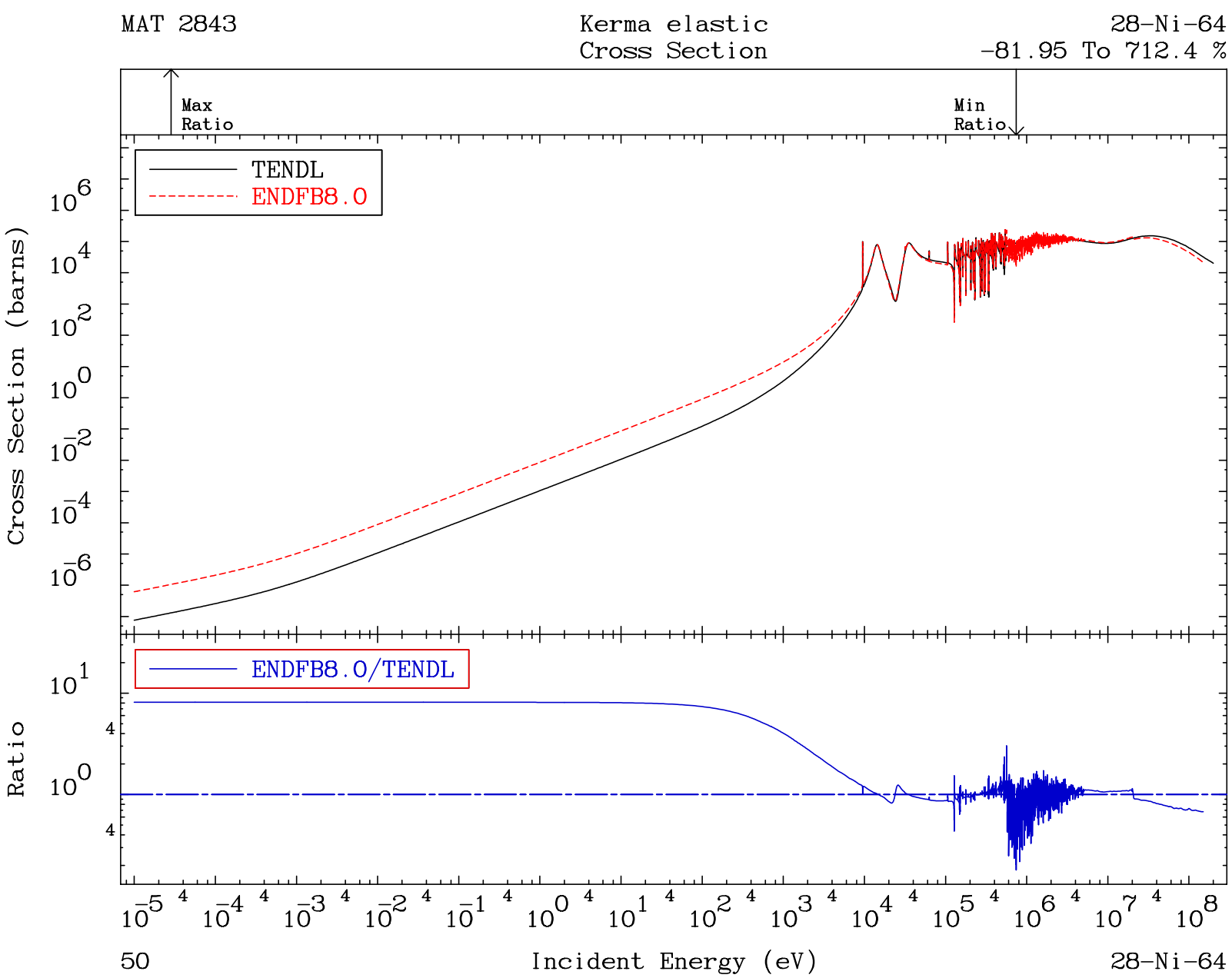

MAT 2843
Hydrogen Production
Cross Section
28-Ni-64
-99.97 To 9999. %
Max
Ratio
TENDL Threshold 6.6272 MeV
ENDFB8.0 Threshold 6.6272 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
ENDFB8.0/TENDL
Ratio
10^2
10^0
10^-2
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
45
Incident Energy (eV)
28-Ni-64

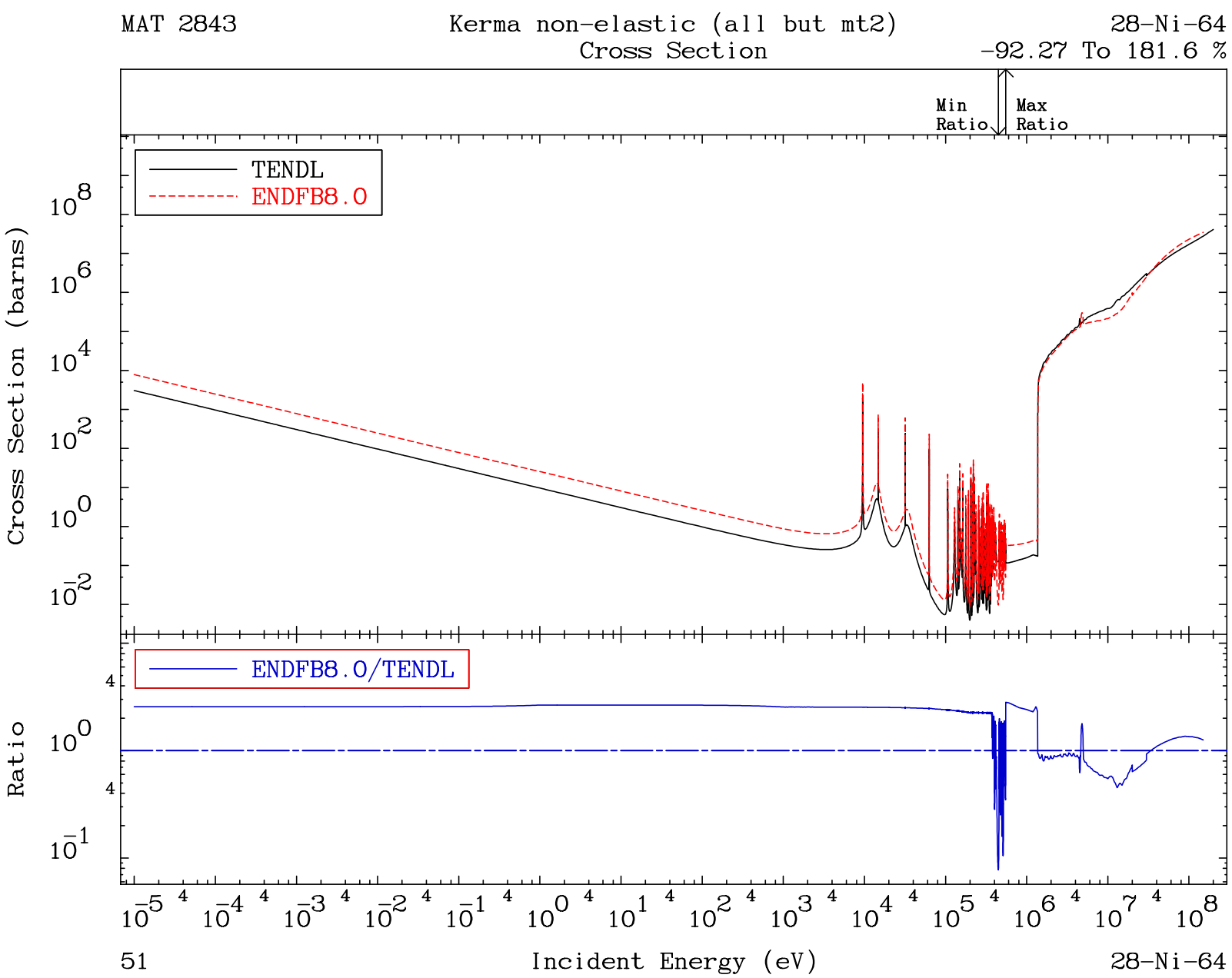

MAT 2843
Deuterium Production
Cross Section
28-Ni-64
-74.20 To 623.6 %
Max Ratio
Min Ratio
TENDL Threshold 10.475 MeV
ENDFB8.0 Threshold 10.486 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
ENDFB8.0/TENDL
Ratio
10^1
4
10^0
4
2
3
4
5
6
7
8
9
10^8
2
46
Incident Energy (eV)
28-Ni-64

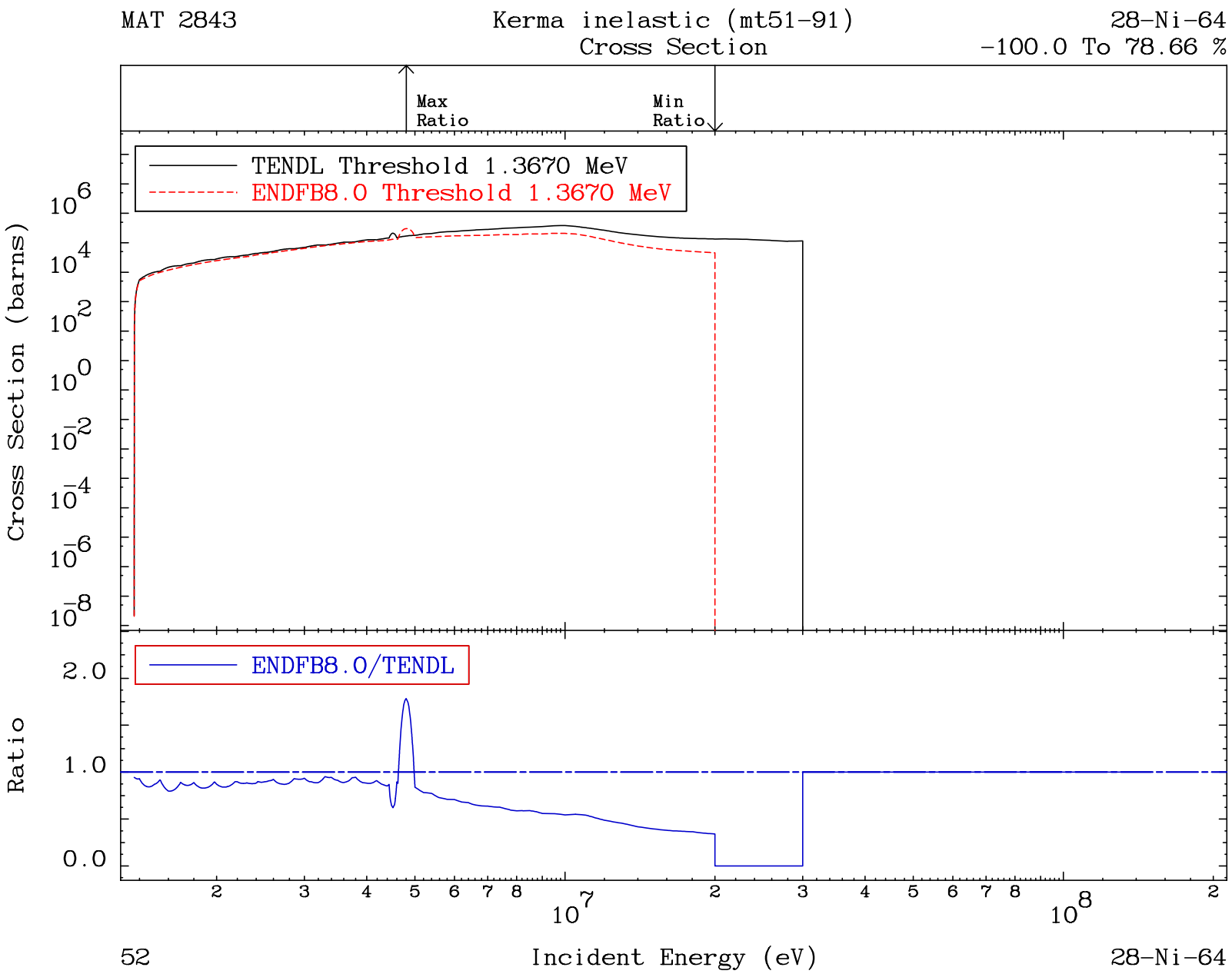

MAT 2843
Tritium Production
Cross Section
28-Ni-64
-63.44 To 5688. %
Max Ratio
Min Ratio
TENDL Threshold 12.751 MeV
ENDFB8.0 Threshold 12.744 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
47
Incident Energy (eV)
28-Ni-64

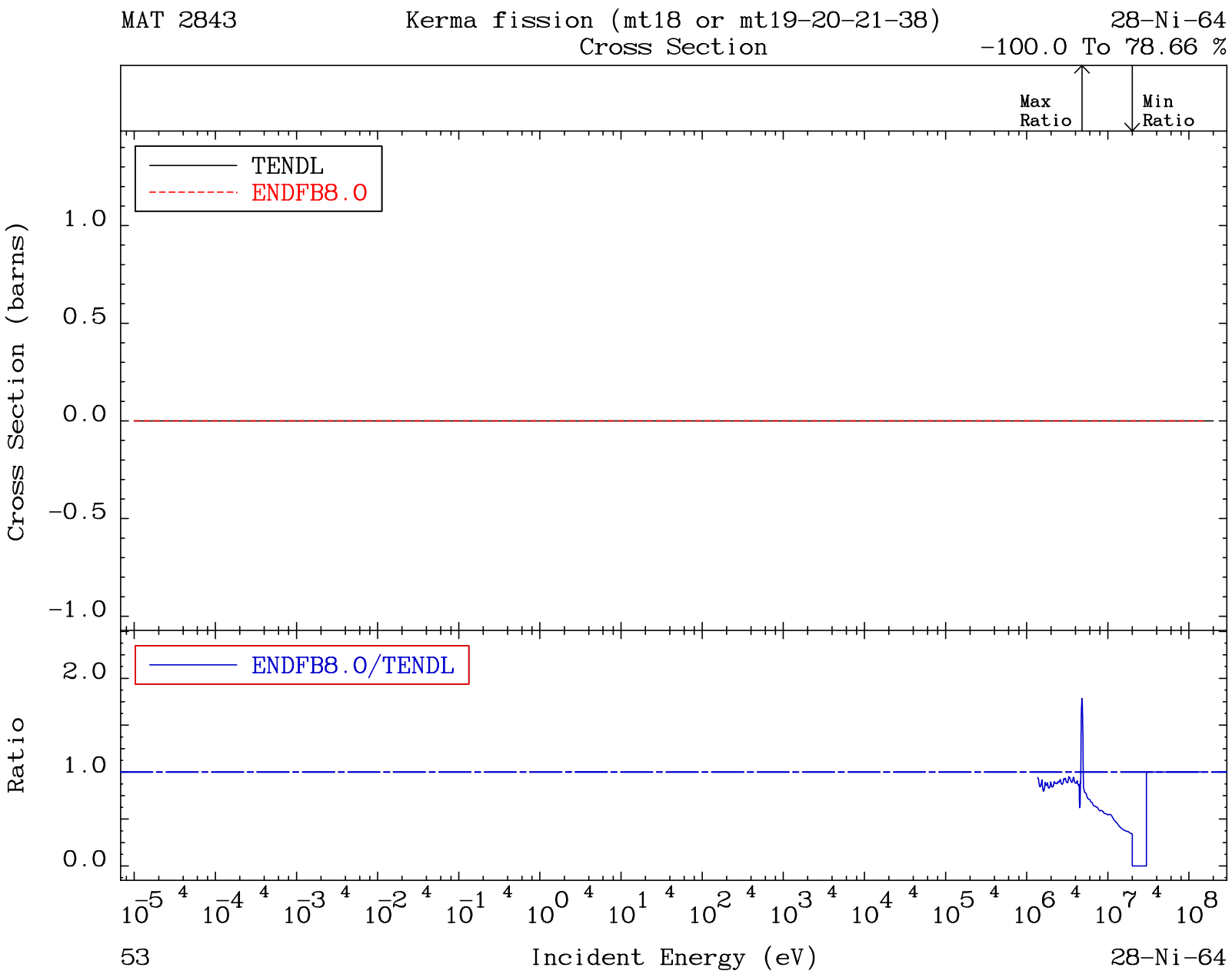

MAT 2843
He-4 Production
Cross Section
28-Ni-64
-80.41 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.5720 MeV
ENDFB8.0 Threshold 2.5714 MeV
Cross Section (milli-barns)
200
150
100
50
0
ENDFB8.0/TENDL
Ratio
10^3
10^2
10^1
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
48
Incident Energy (eV)
28-Ni-64

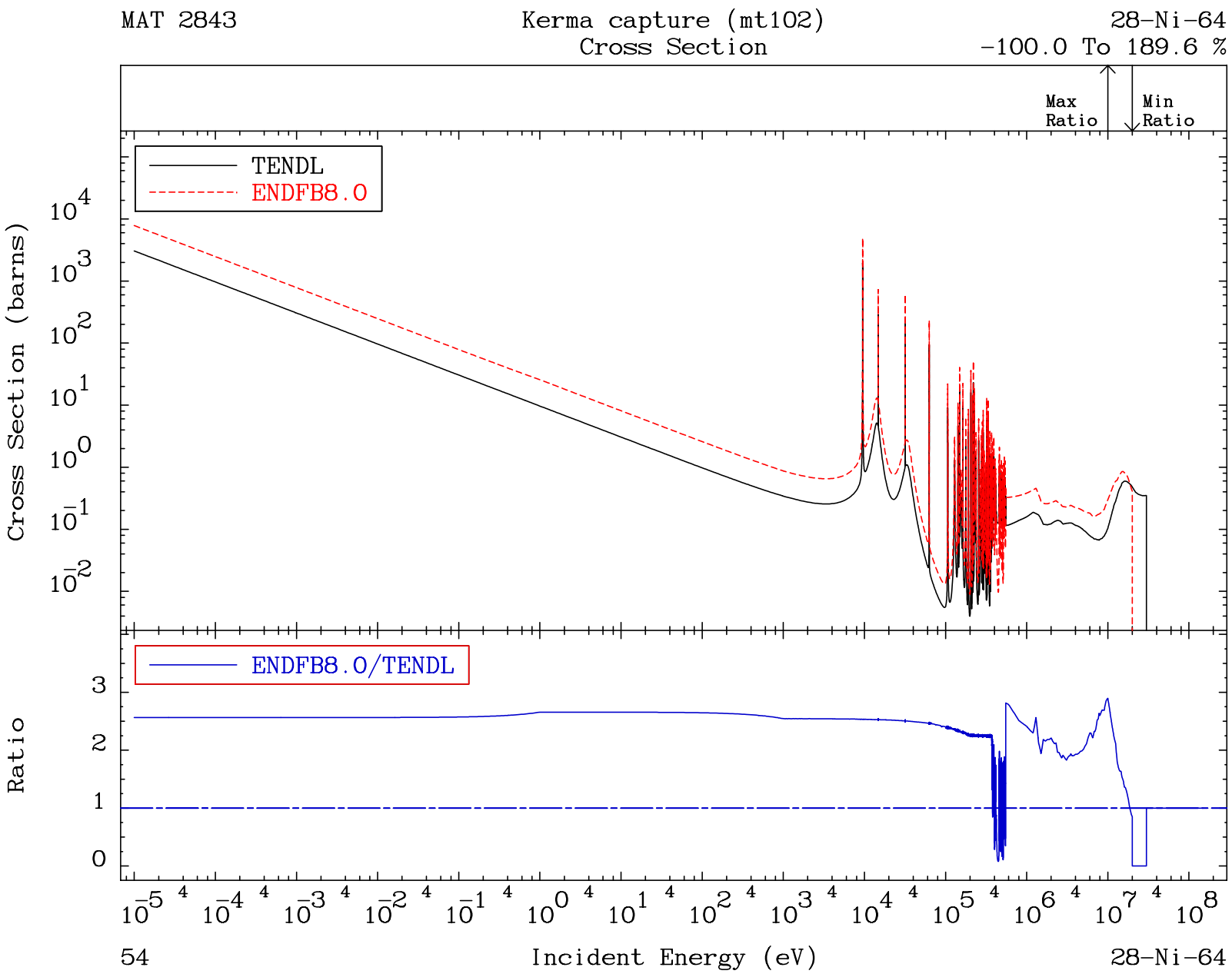

MAT 2843
Kerma total (eV-barns)
Cross Section
28-Ni-64
-81.95 To 348.6 %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
49
28-Ni-64

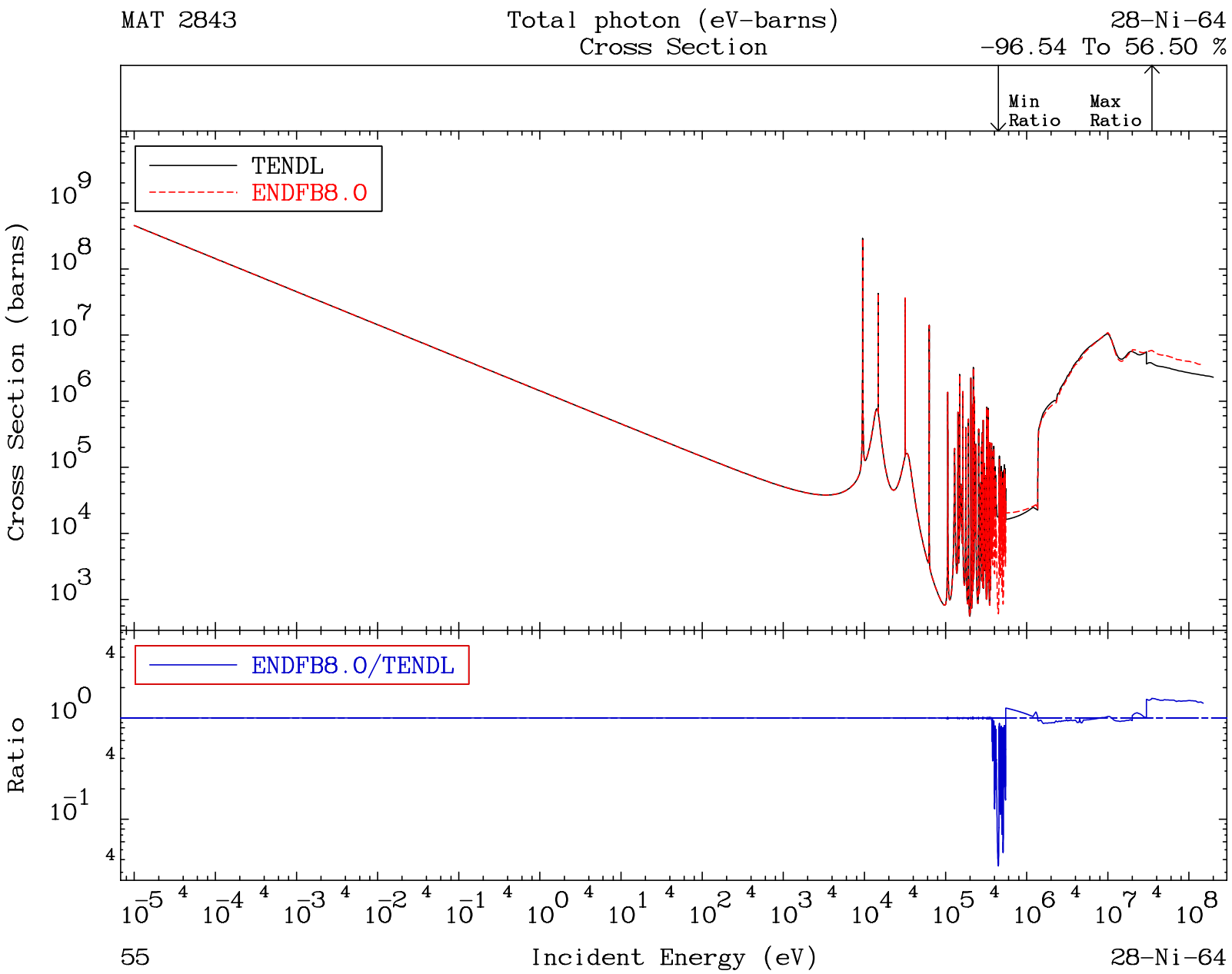

MAT 2843
Kerma elastic
Cross Section
28-Ni-64
-81.95 To 712.4 %
Max
Ratio
Min
Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
50
28-Ni-64

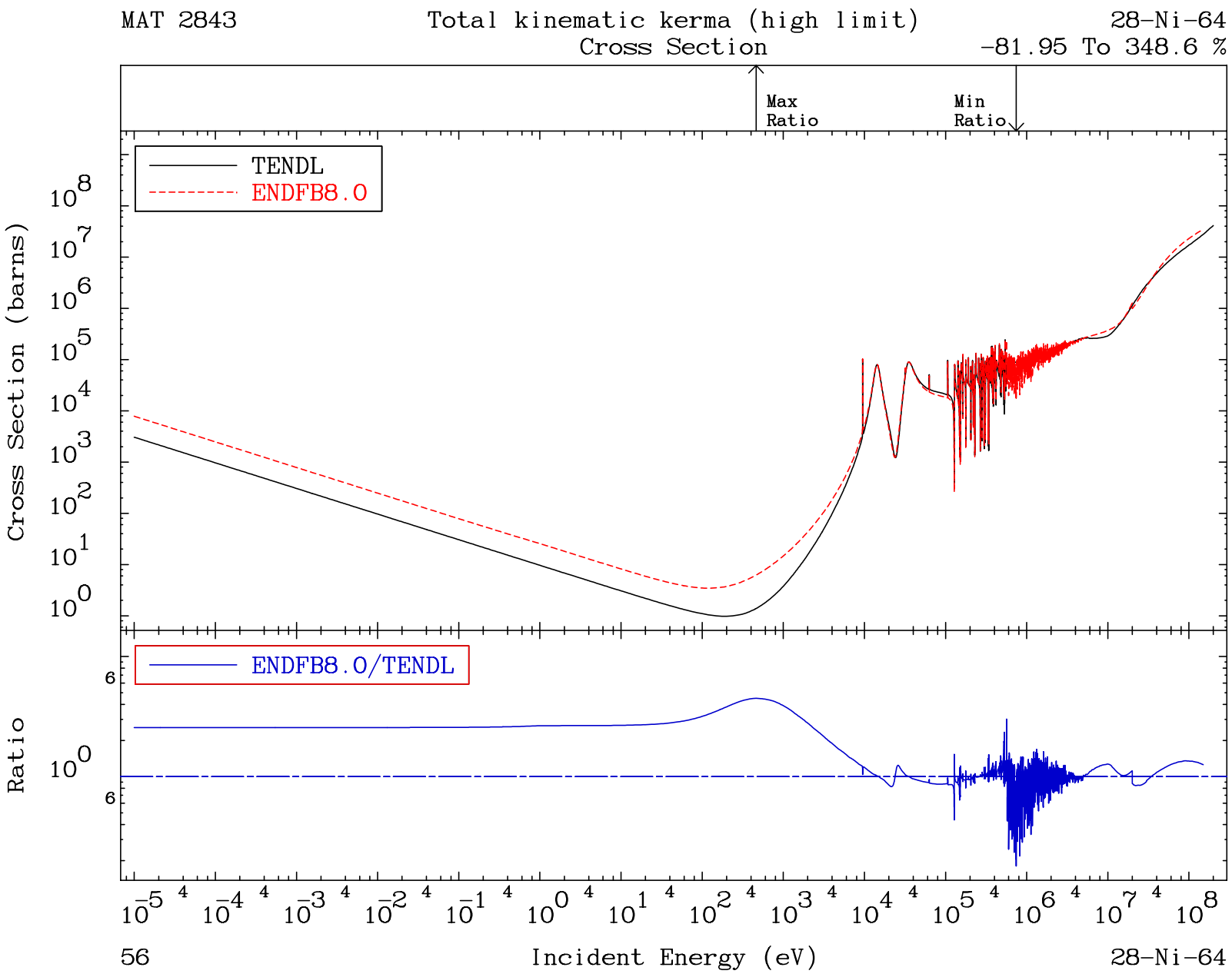

MAT 2843
Kerma non-elastic (all but mt2)
Cross Section
28-Ni-64
-92.27 To 181.6 %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
51
28-Ni-64

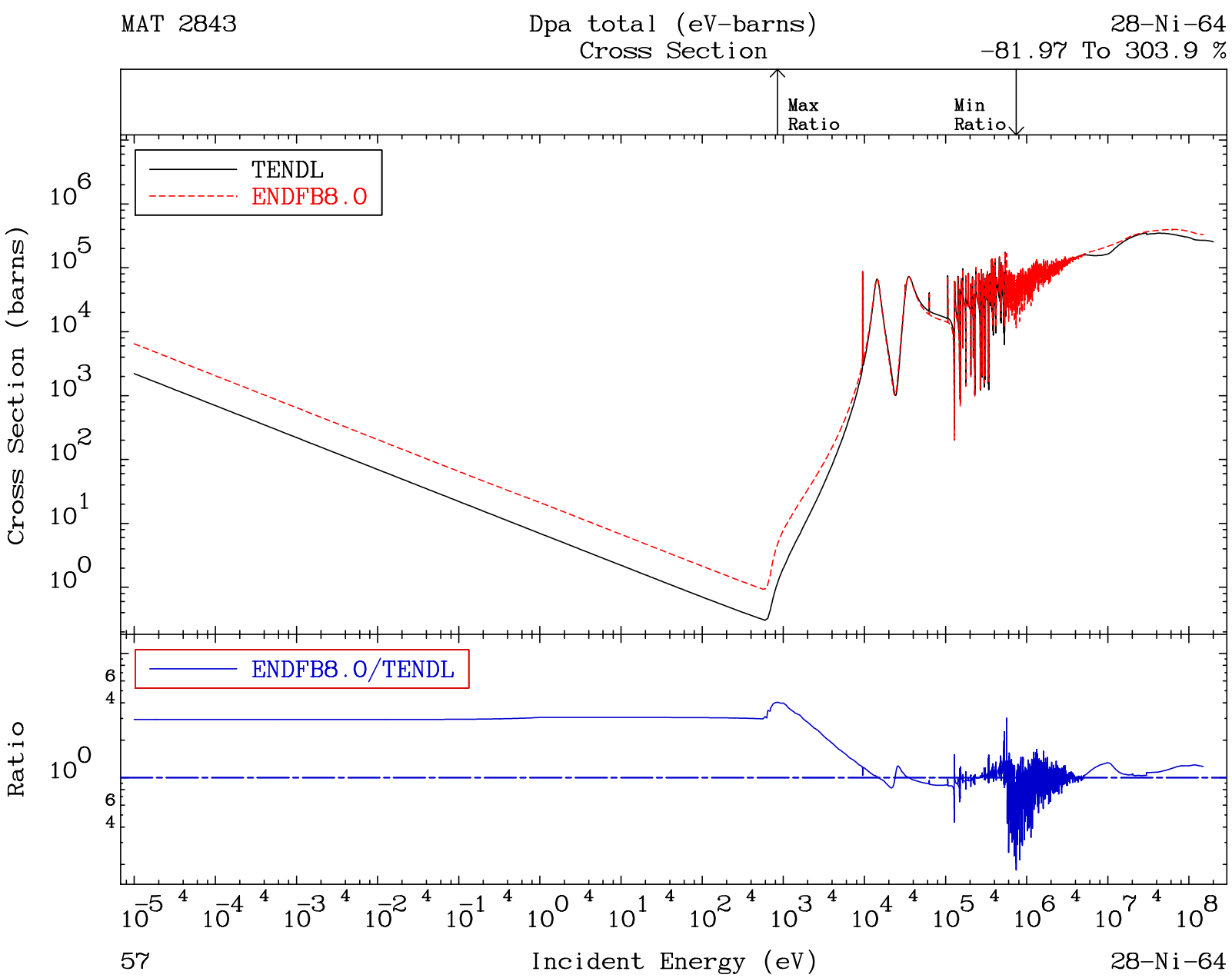

MAT 2843
Kerma inelastic (mt51-91)
Cross Section
28-Ni-64
-100.0 To 78.66 %
Max Ratio
Min Ratio
TENDL Threshold 1.3670 MeV
ENDFB8.0 Threshold 1.3670 MeV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
52
28-Ni-64

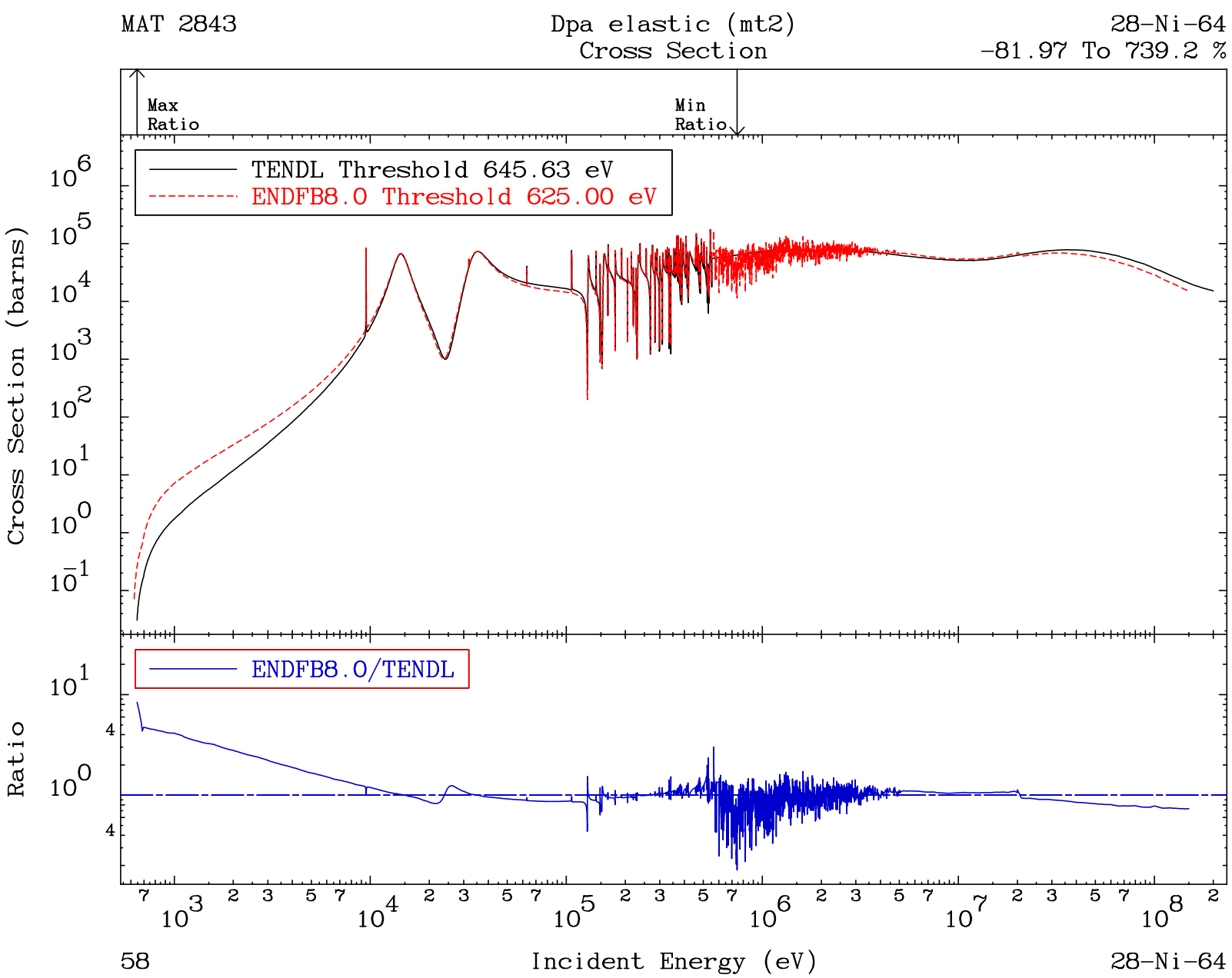

MAT 2843
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
28-Ni-64
-100.0 To 78.66 %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
ENDFB8.0/TENDL
Ratio
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
53
Incident Energy (eV)
28-Ni-64

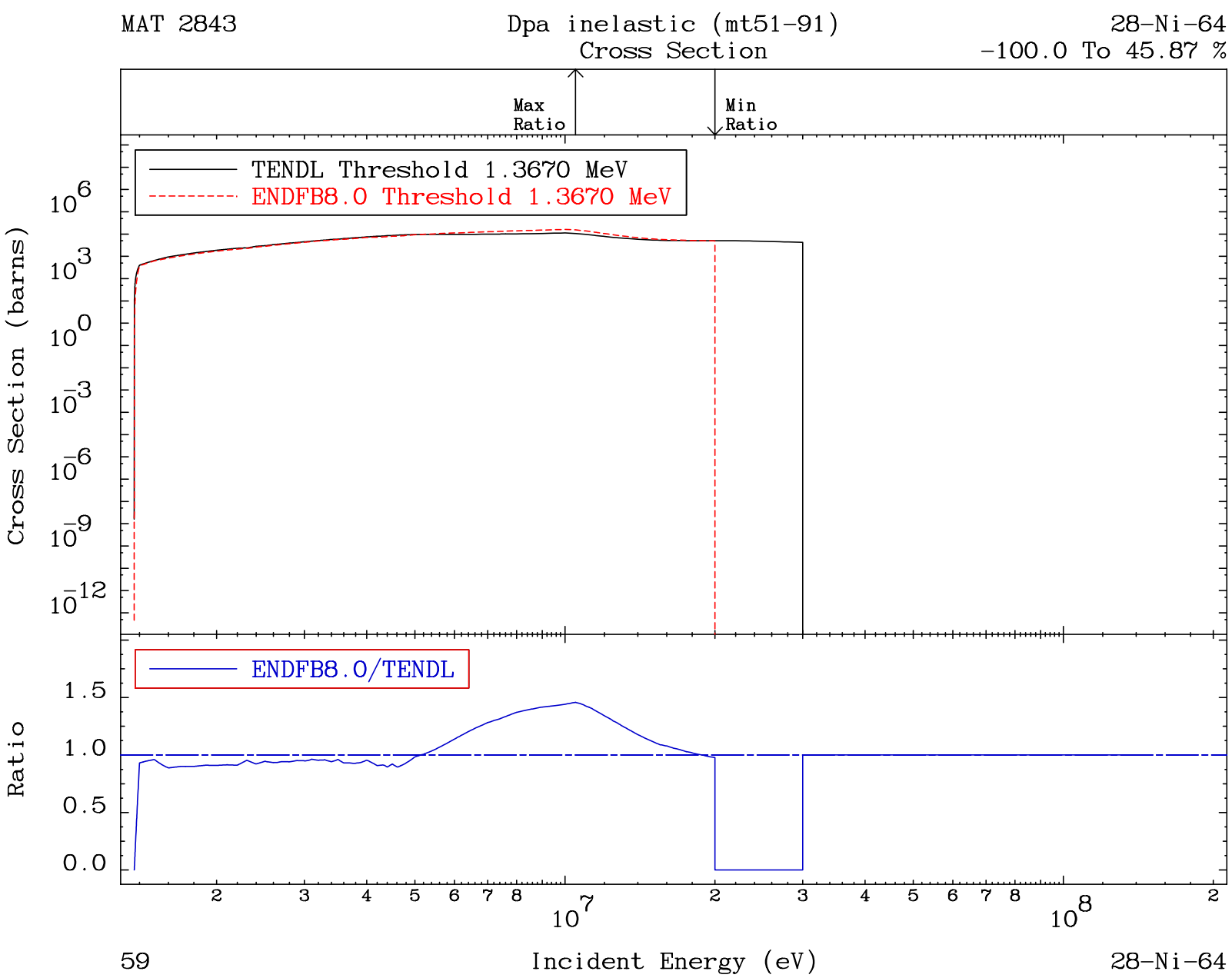

MAT 2843
Kerma capture (mt102)
Cross Section
28-Ni-64
-100.0 To 189.6 %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
54
28-Ni-64

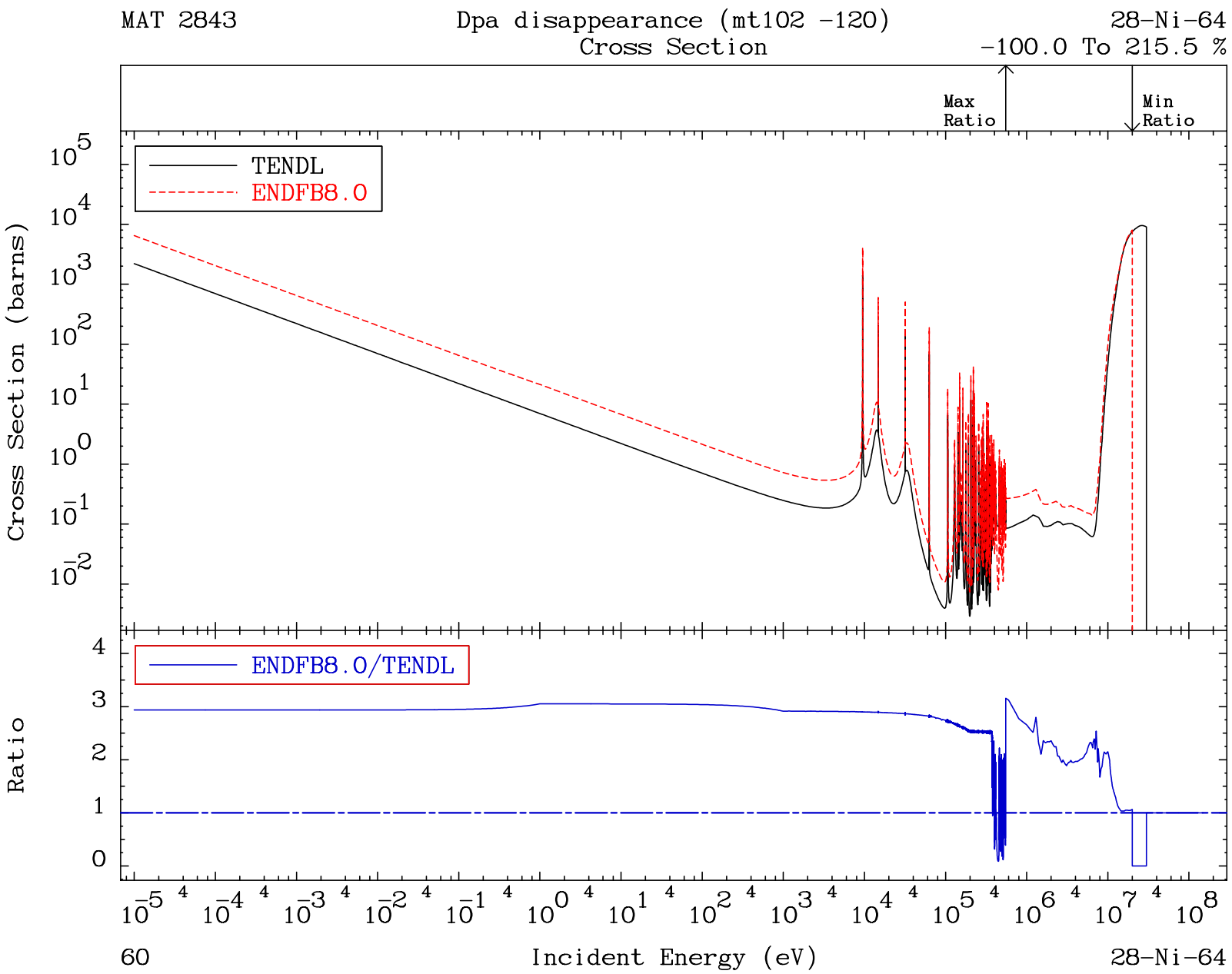

MAT 2843
Total photon (eV-barns)
Cross Section
28-Ni-64
-96.54 To 56.50 %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
55
28-Ni-64


MAT 2843
Total kinematic kerma (high limit)
Cross Section
28-Ni-64
-81.95 To 348.6 %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
56
28-Ni-64


MAT 2843
Dpa total (eV-barns)
Cross Section
28-Ni-64
-81.97 To 303.9 %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
57
28-Ni-64


MAT 2843
Dpa elastic (mt2)
Cross Section
28-Ni-64
-81.97 To 739.2 %
Max Ratio
Min Ratio
TENDL Threshold 645.63 eV
ENDFB8.0 Threshold 625.00 eV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
58
Incident Energy (eV)
28-Ni-64


MAT 2843
Dpa inelastic (mt51-91)
Cross Section
28-Ni-64
-100.0 To 45.87 %
Max Ratio
Min Ratio
TENDL Threshold 1.3670 MeV
ENDFB8.0 Threshold 1.3670 MeV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
59
28-Ni-64


MAT 2843
Dpa disappearance (mt102 -120)
Cross Section
28-Ni-64
-100.0 To 215.5 %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
60
28-Ni-64