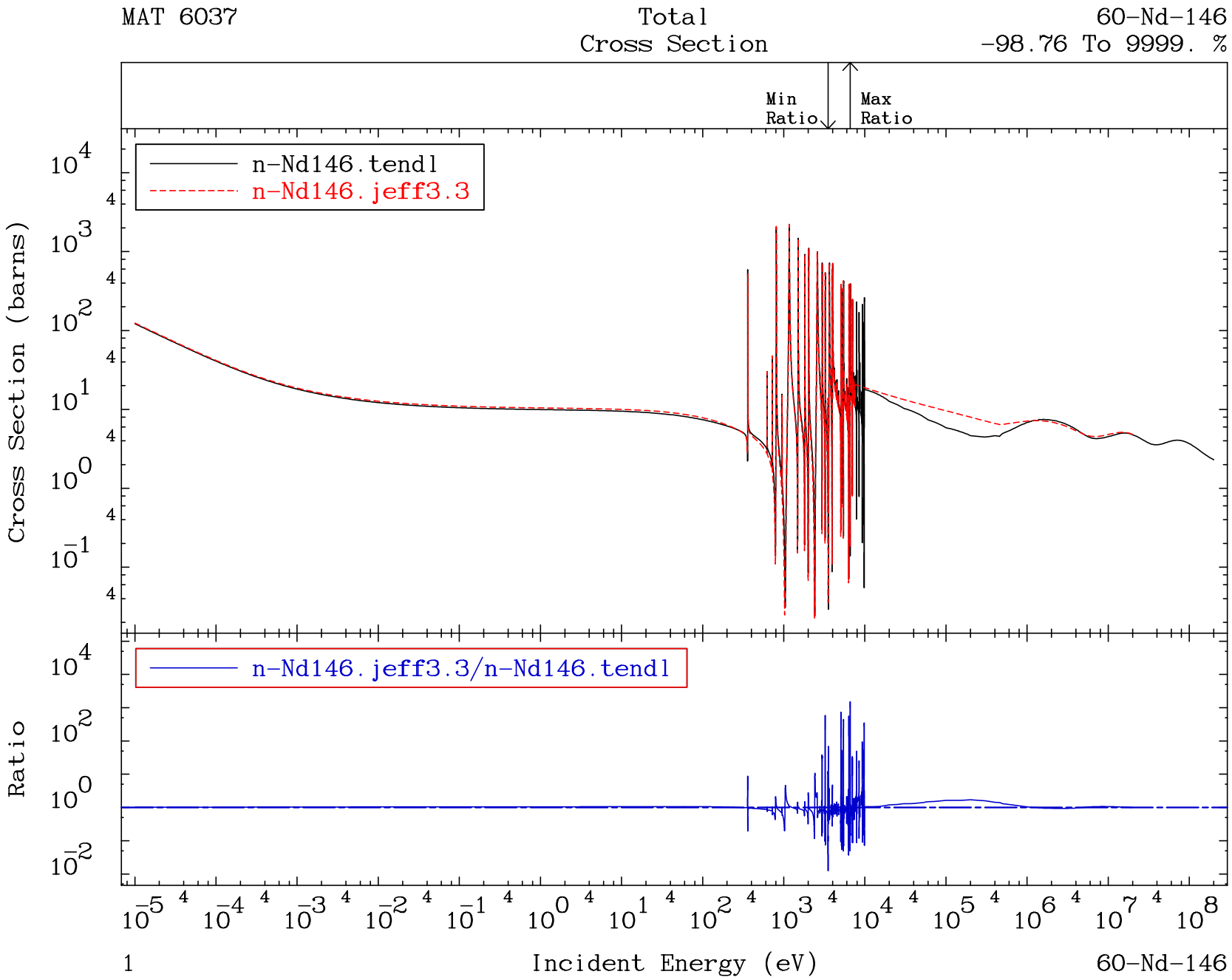
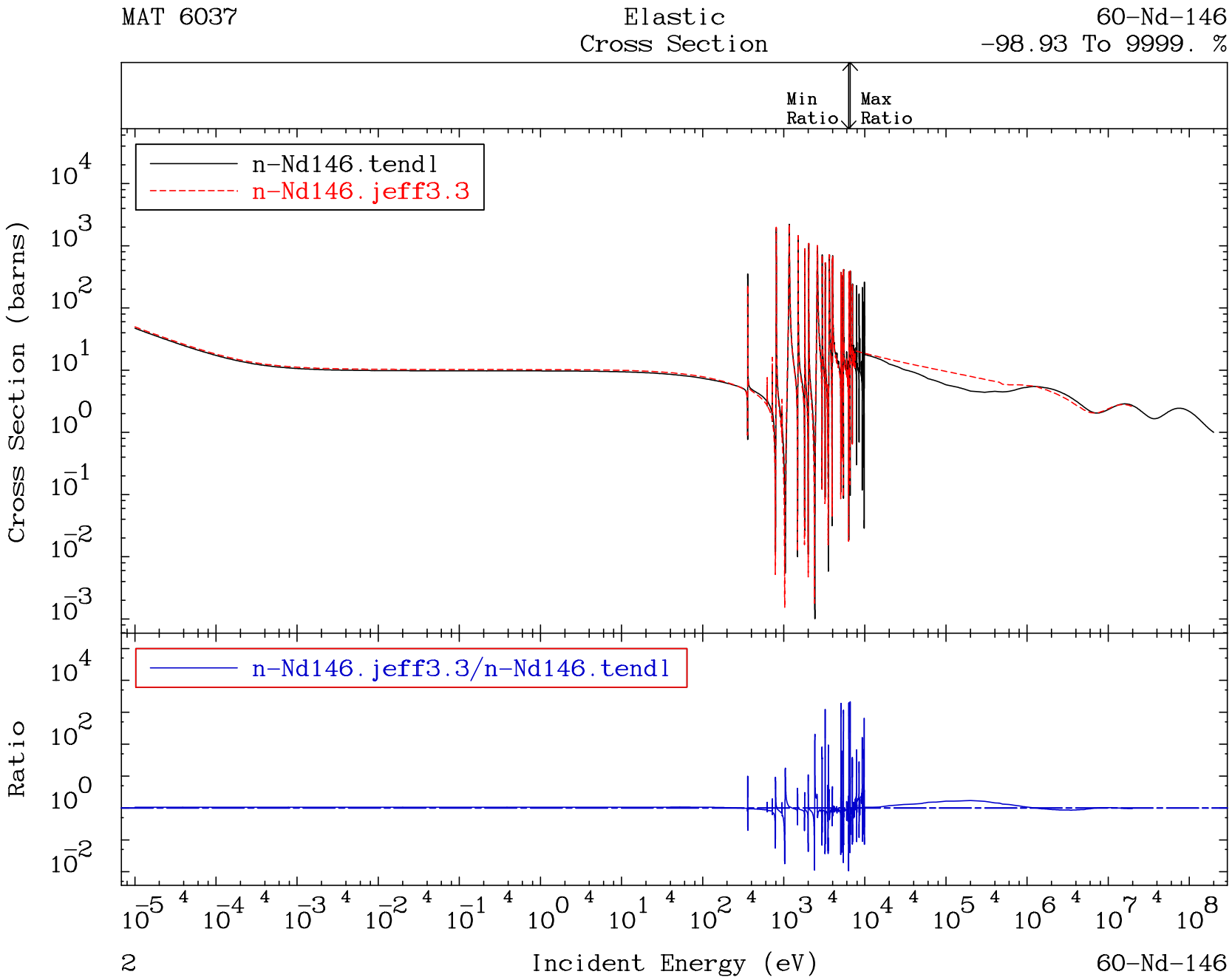
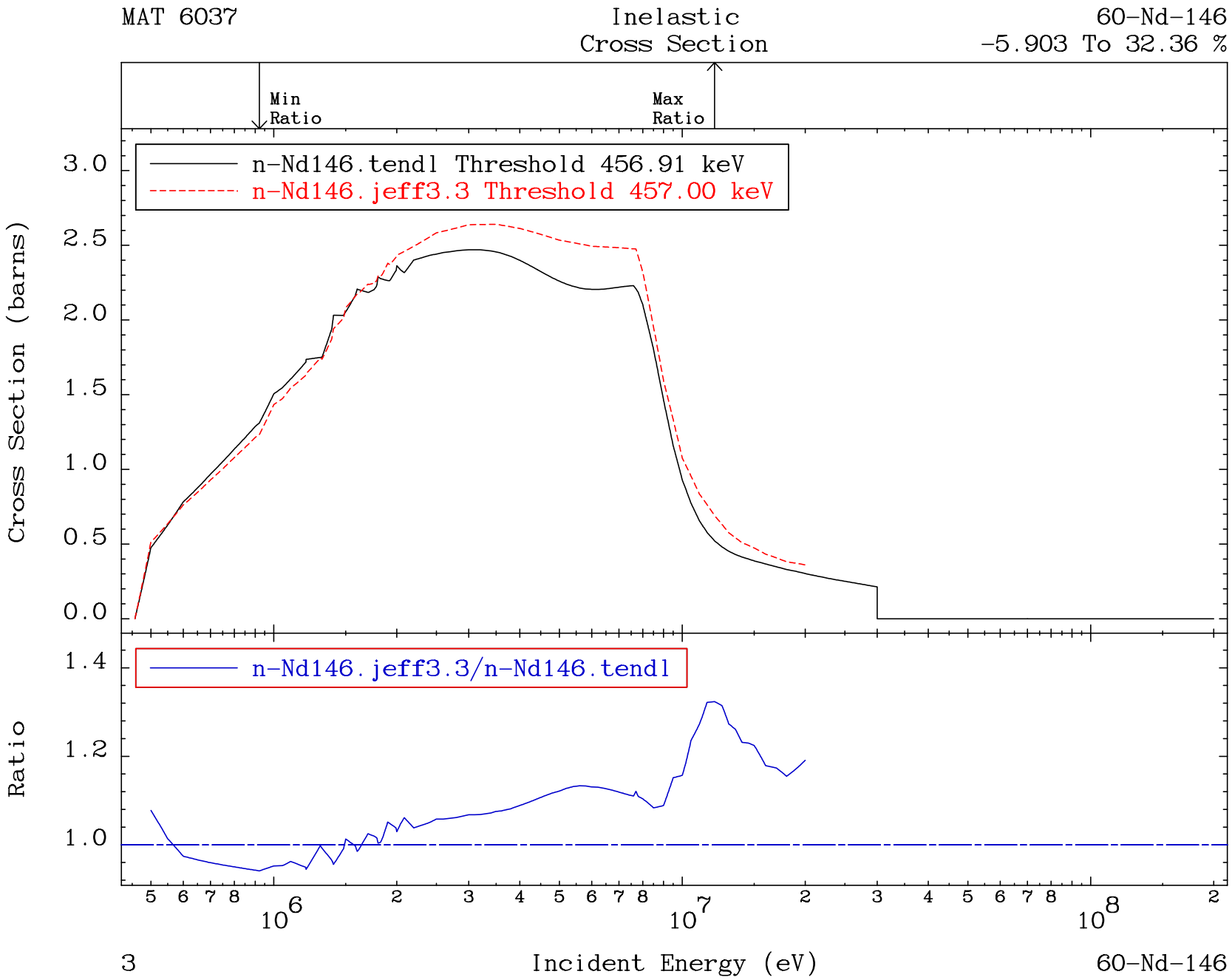
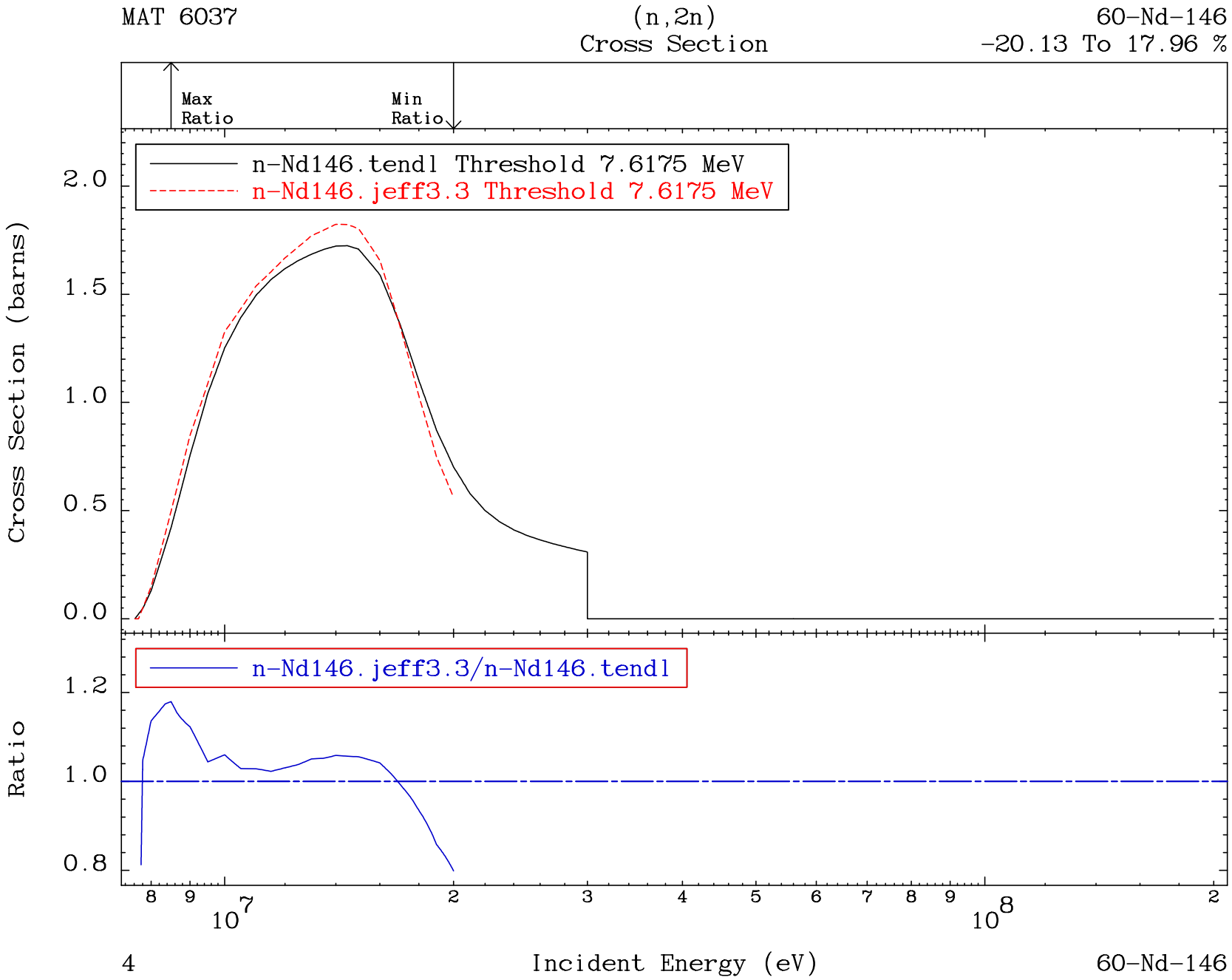
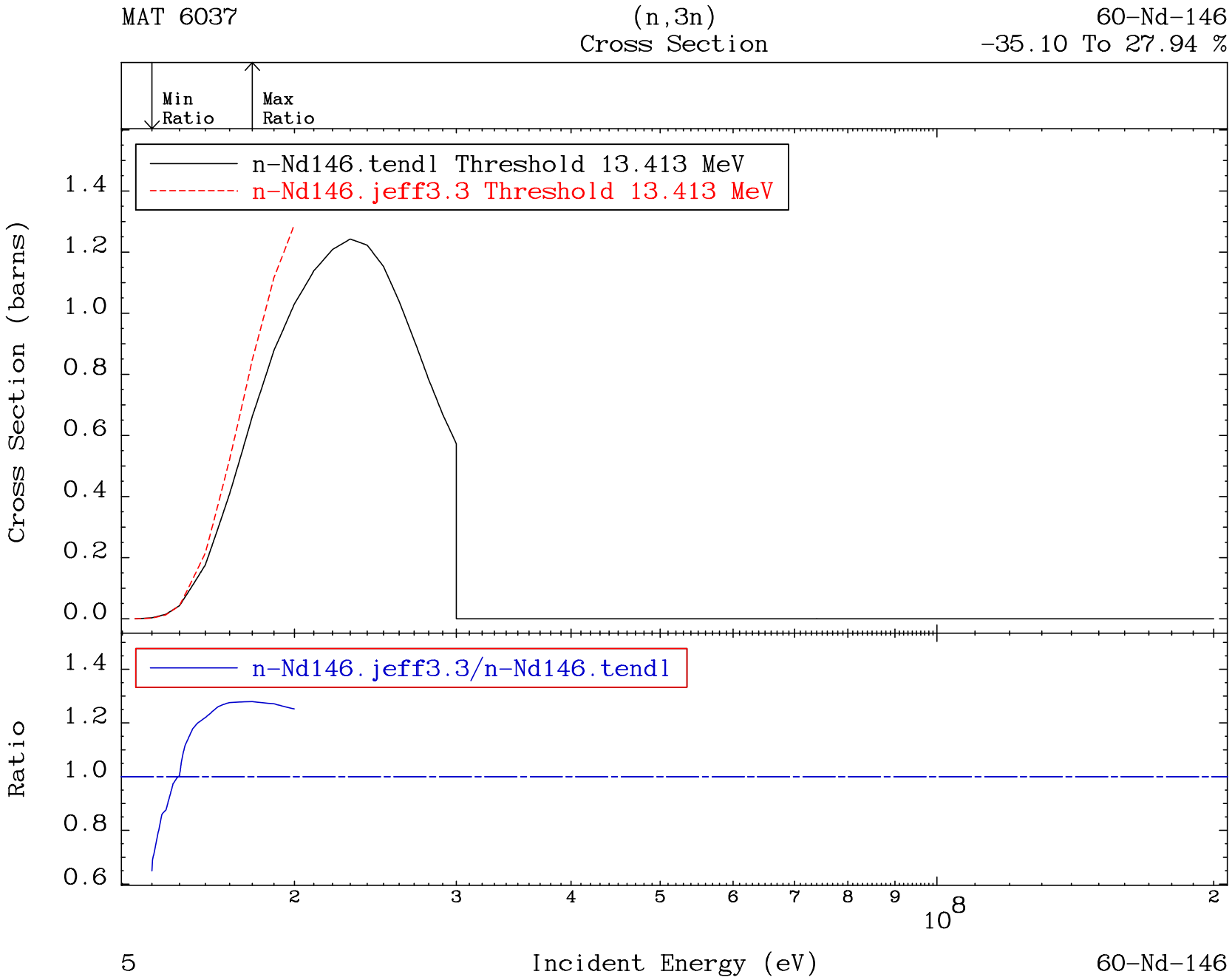
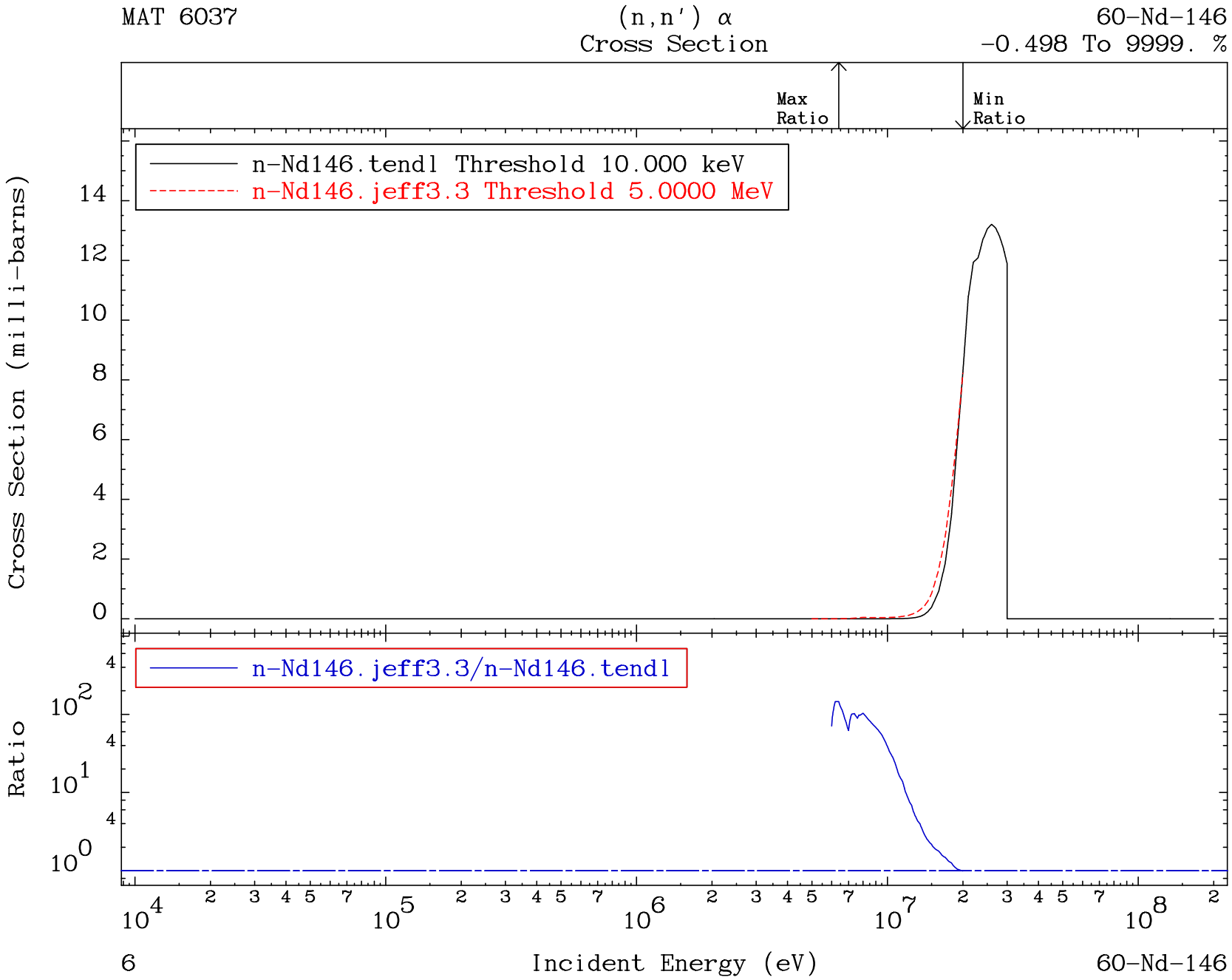

MAT 6037
Total
Cross Section
60-Nd-146
-98.76 To 9999. %
Min Ratio
Max Ratio
n-Nd146.tendl
n-Nd146.jeff3.3
Cross Section (barns)
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
Incident Energy (eV)
1
60-Nd-146

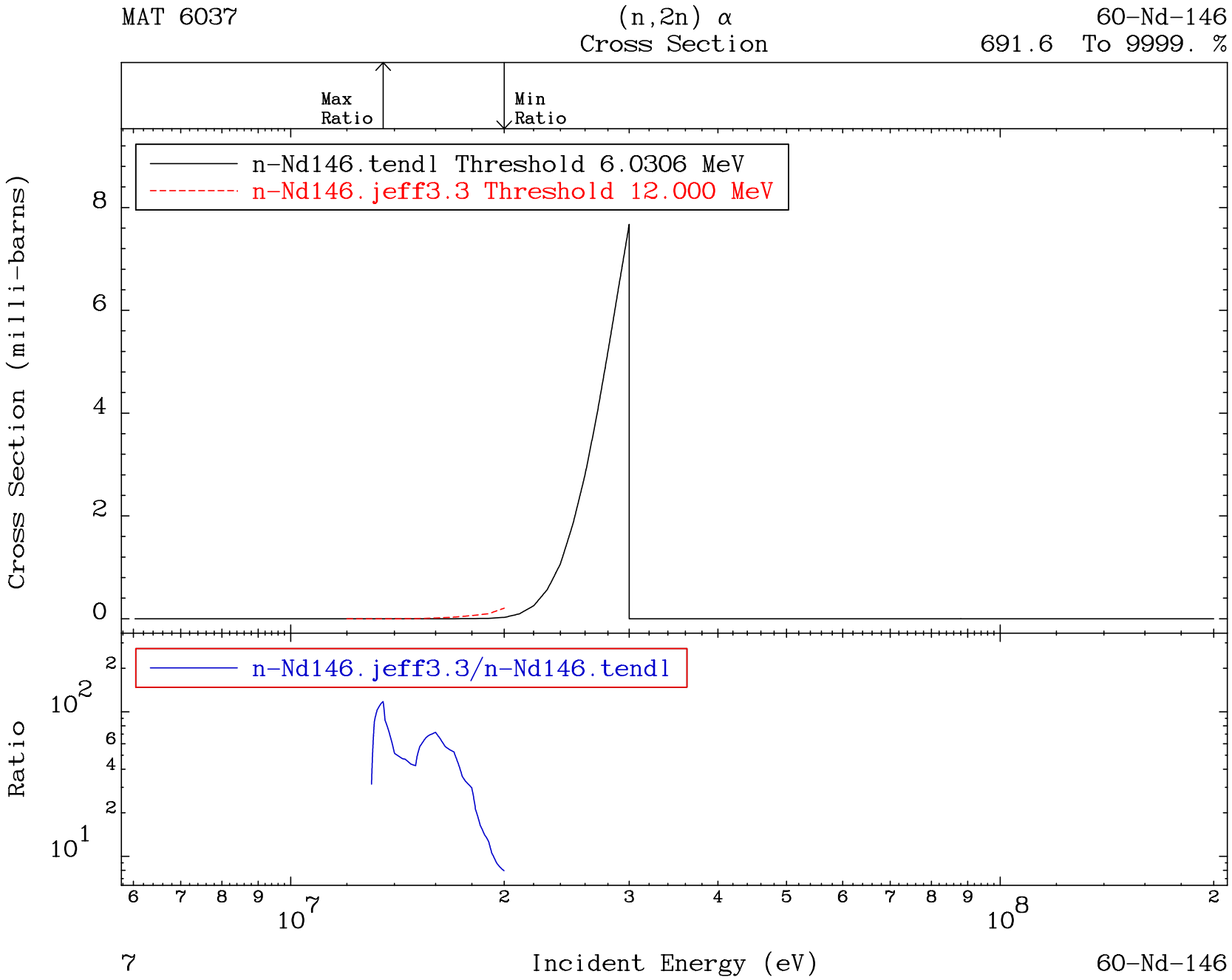

MAT 6037
Elastic
Cross Section
60-Nd-146
-98.93 To 9999. %
Min Ratio
Max Ratio
n-Nd146.tendl
n-Nd146.jeff3.3
Cross Section (barns)
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
Incident Energy (eV)
2
60-Nd-146

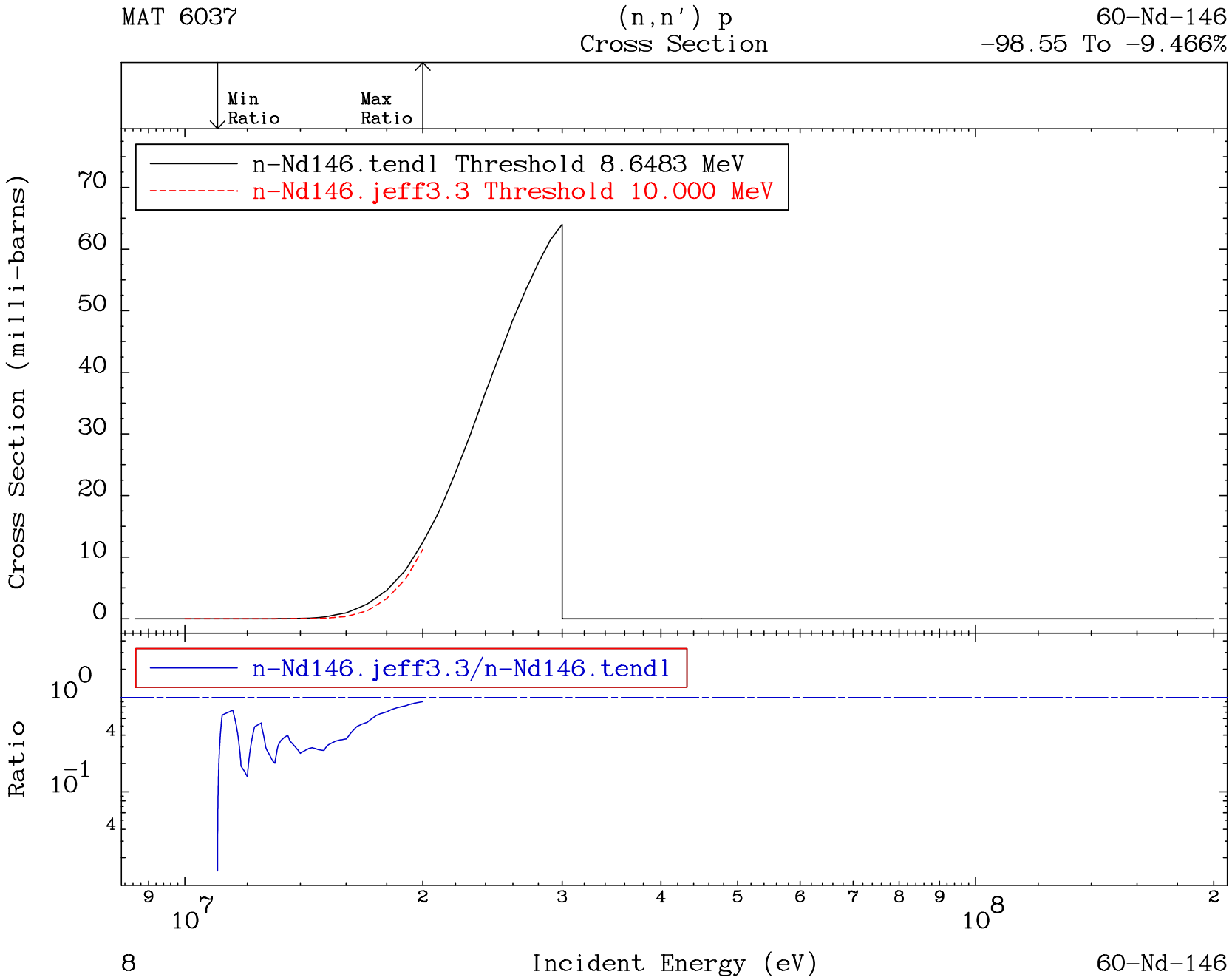

MAT 6037
Inelastic
Cross Section
60-Nd-146
-5.903 To 32.36 %
Min
Ratio
Max
Ratio
n-Nd146.tendl Threshold 456.91 keV
n-Nd146.jeff3.3 Threshold 457.00 keV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
1.4
1.2
1.0
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
3
Incident Energy (eV)
60-Nd-146

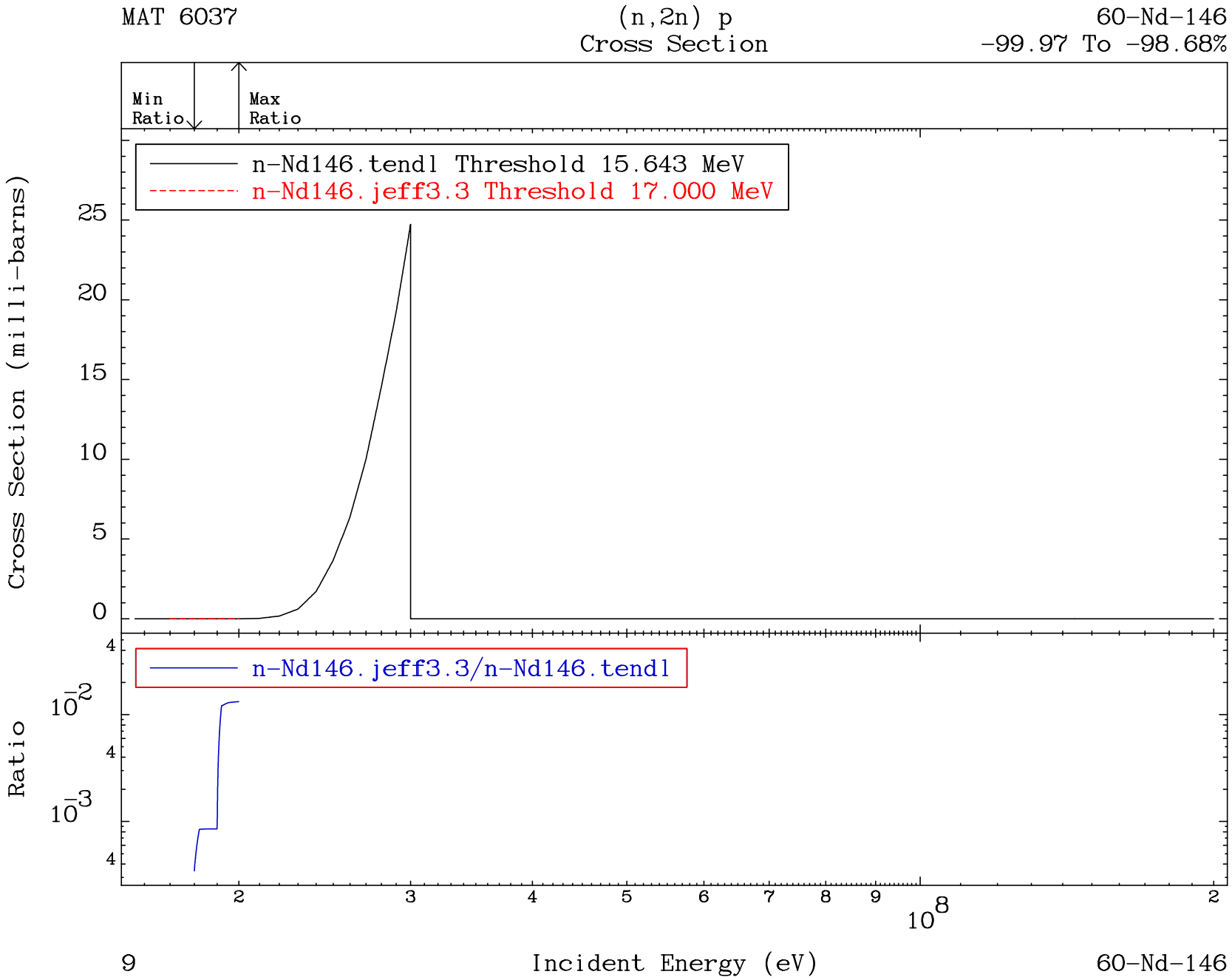

MAT 6037
(n,2n)
Cross Section
60-Nd-146
-20.13 To 17.96 %
Max Ratio
Min Ratio
n-Nd146.tendl Threshold 7.6175 MeV
n-Nd146.jeff3.3 Threshold 7.6175 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
1.2
1.0
0.8
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
4
Incident Energy (eV)
60-Nd-146

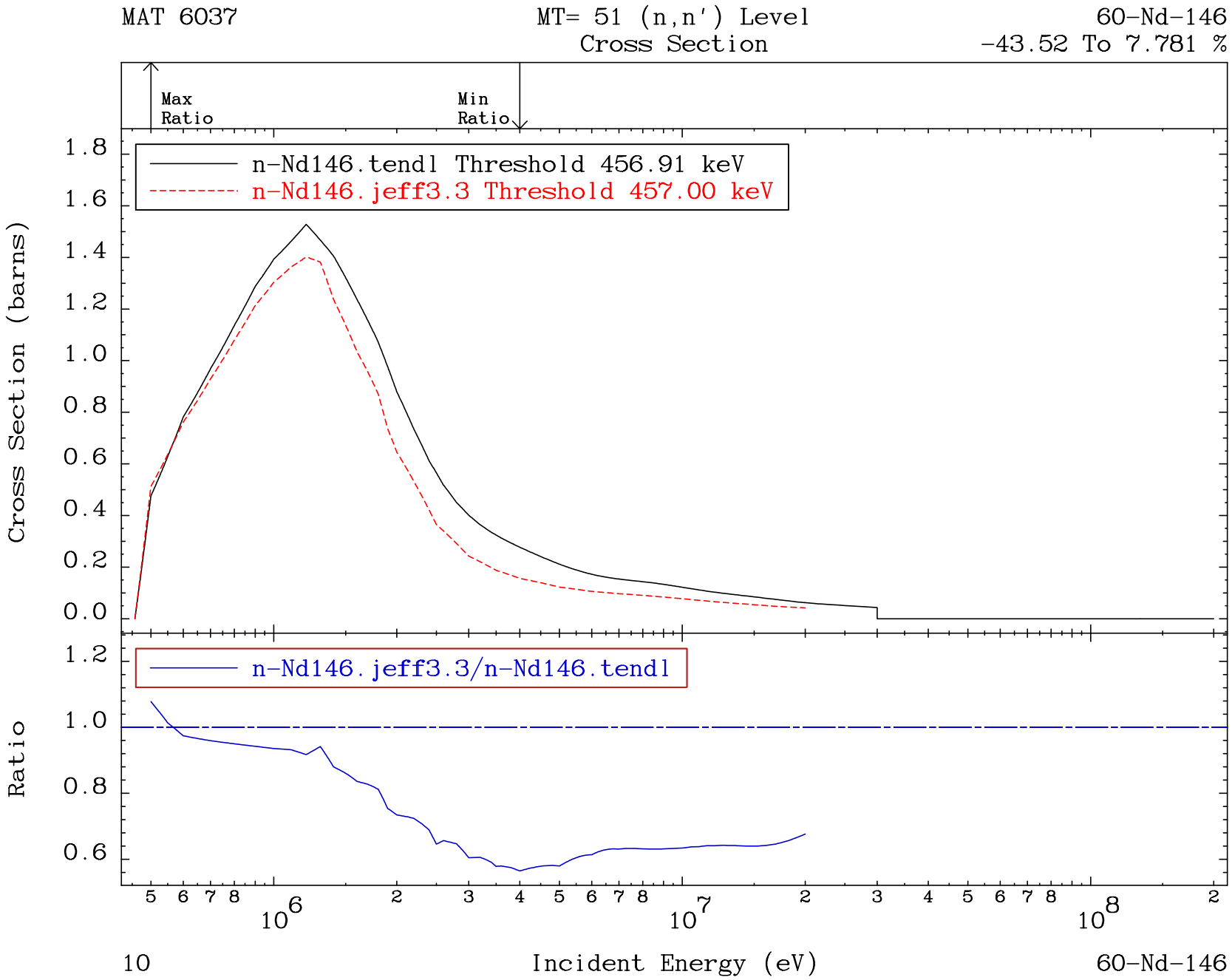

MAT 6037
(n,3n)
Cross Section
60-Nd-146
-35.10 To 27.94 %
Min Ratio
Max Ratio
n-Nd146.tendl Threshold 13.413 MeV
n-Nd146.jeff3.3 Threshold 13.413 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
1.4
1.2
1.0
0.8
0.6
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
60-Nd-146

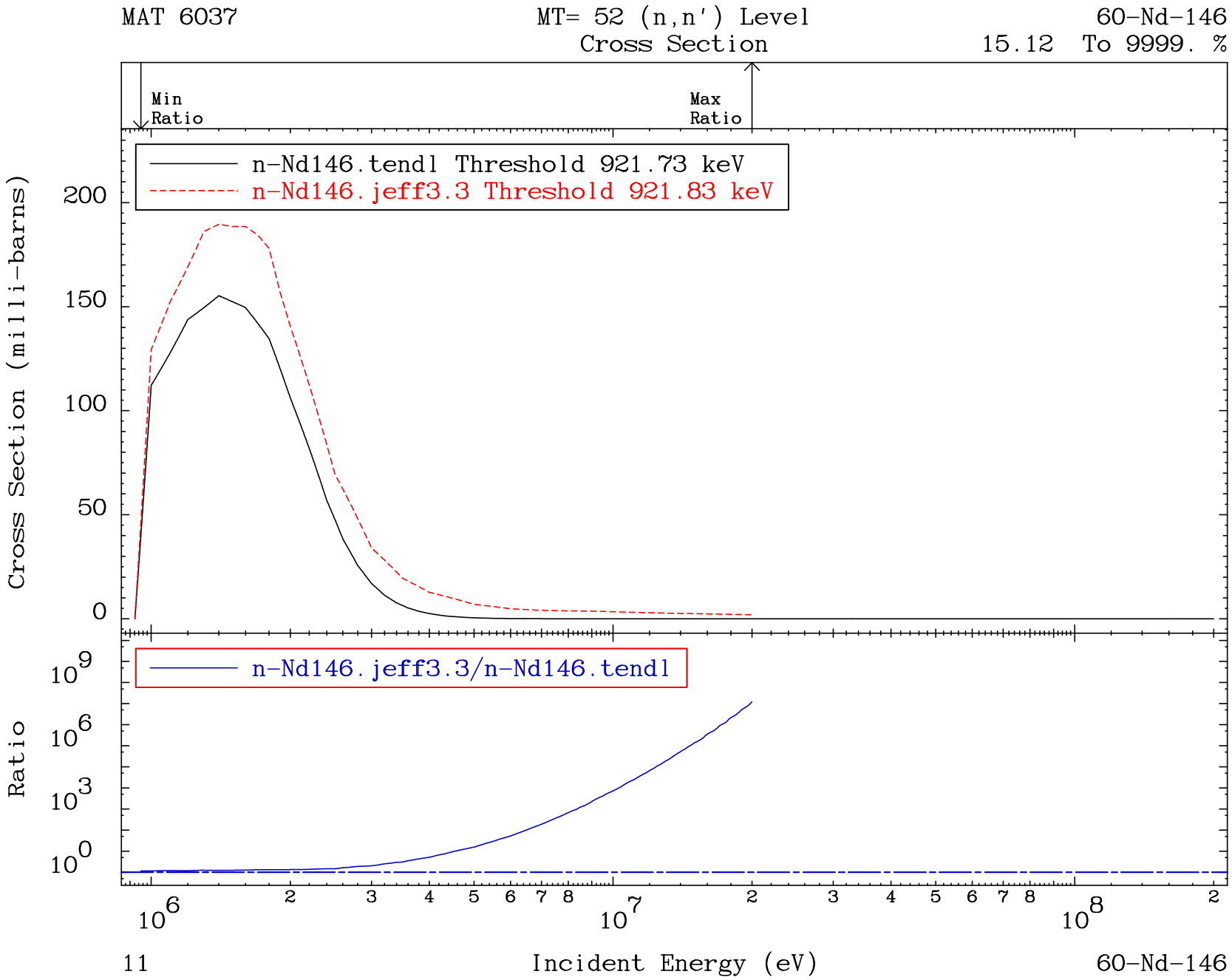

MAT 6037
(n,n') α
Cross Section
60-Nd-146
-0.498 To 9999. %
Max Ratio
Min Ratio
n-Nd146.tendl Threshold 10.000 keV
n-Nd146.jeff3.3 Threshold 5.0000 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
12
14
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
10^0
10^1
10^2
10^4
10^5
10^6
10^7
10^8
Incident Energy (eV)
6
60-Nd-146

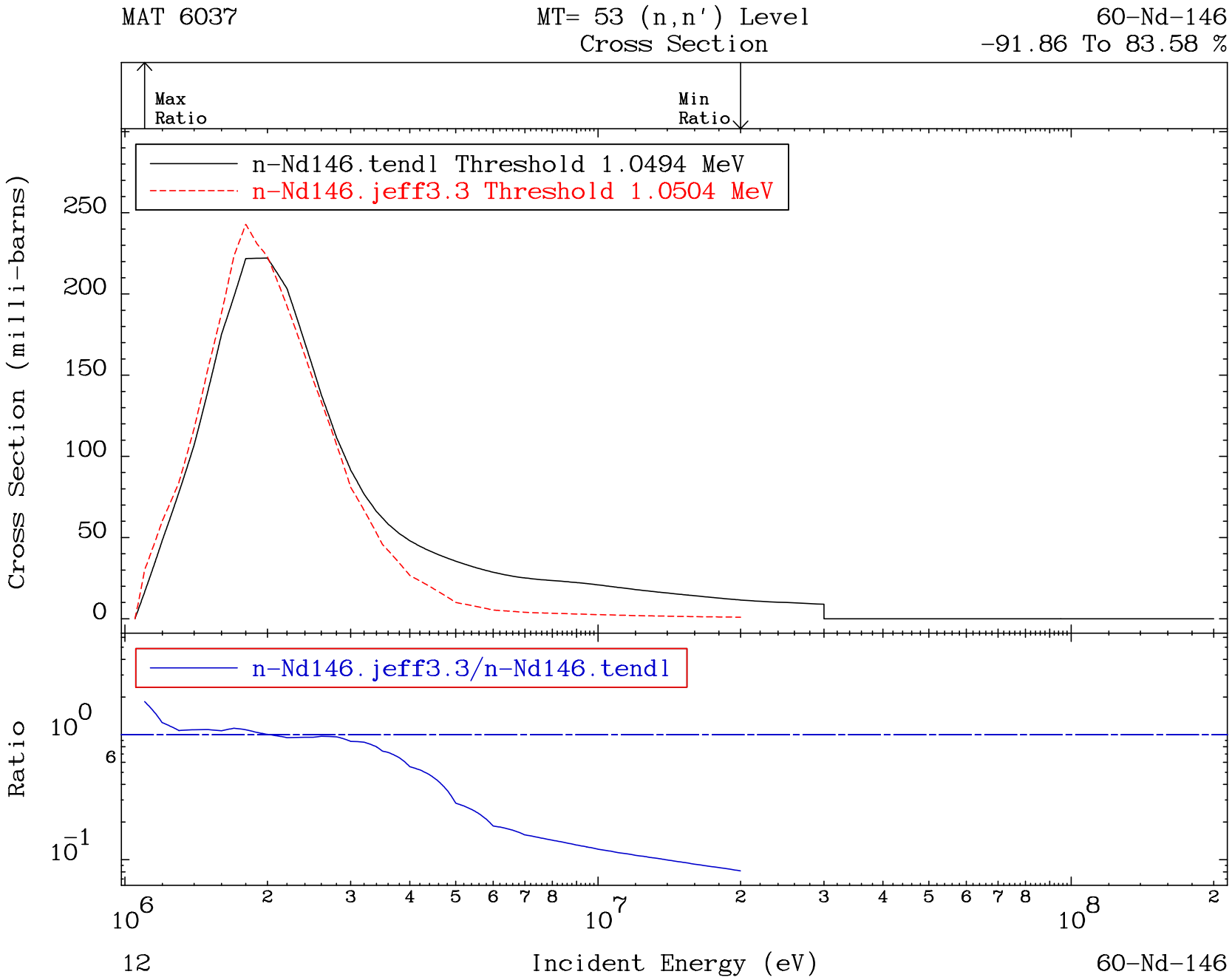

MAT 6037
(n,2n) α
Cross Section
60-Nd-146
691.6 To 9999. %
Max Ratio
Min Ratio
n-Nd146.tendl Threshold 6.0306 MeV
n-Nd146.jeff3.3 Threshold 12.000 MeV
Cross Section (milli-barns)
0
2
4
6
8
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
10^2
10^1
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
7
Incident Energy (eV)
60-Nd-146

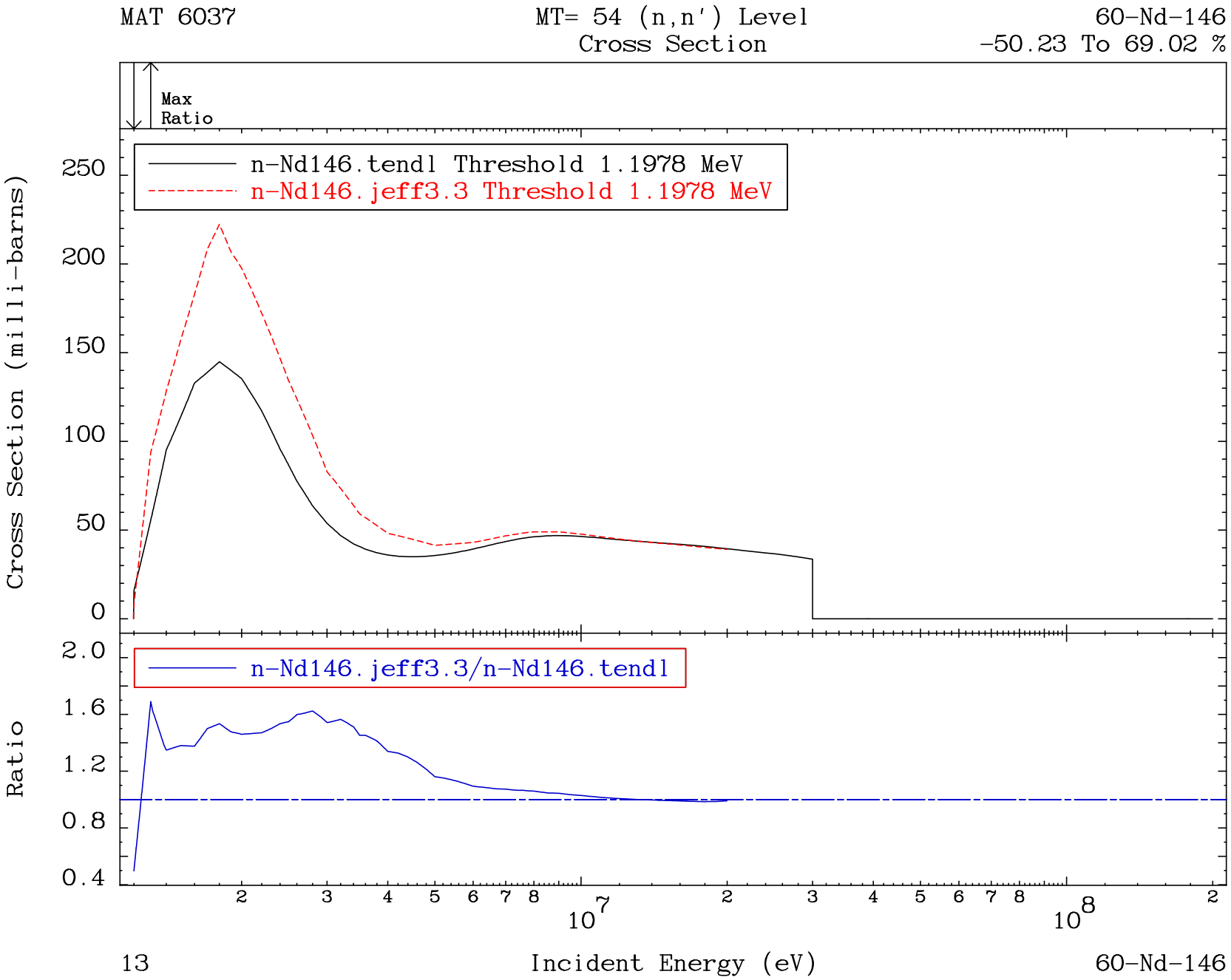

MAT 6037
(n,n') p
Cross Section
60-Nd-146
-98.55 To -9.466%
Min Ratio
Max Ratio
n-Nd146.tendl Threshold 8.6483 MeV
n-Nd146.jeff3.3 Threshold 10.000 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
10^0
10^-1
4
4
9
10^7
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
60-Nd-146

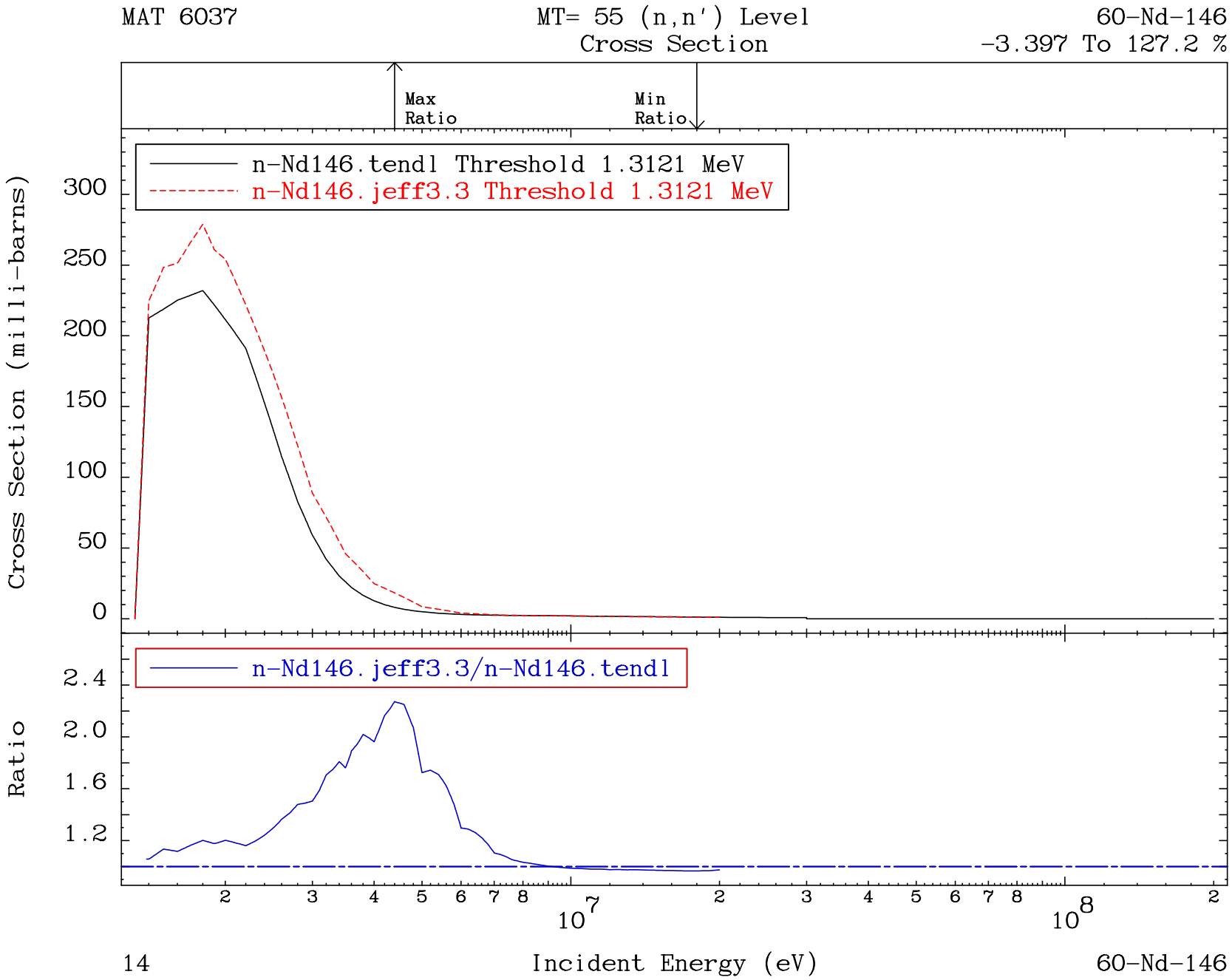

MAT 6037
(n,2n) p
Cross Section
60-Nd-146
-99.97 To -98.68%
Min Ratio
Max Ratio
n-Nd146.tendl Threshold 15.643 MeV
n-Nd146.jeff3.3 Threshold 17.000 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
10-2
4
10-3
4
2
3
4
5
6
7
8
9
10 8
2
9
Incident Energy (eV)
60-Nd-146

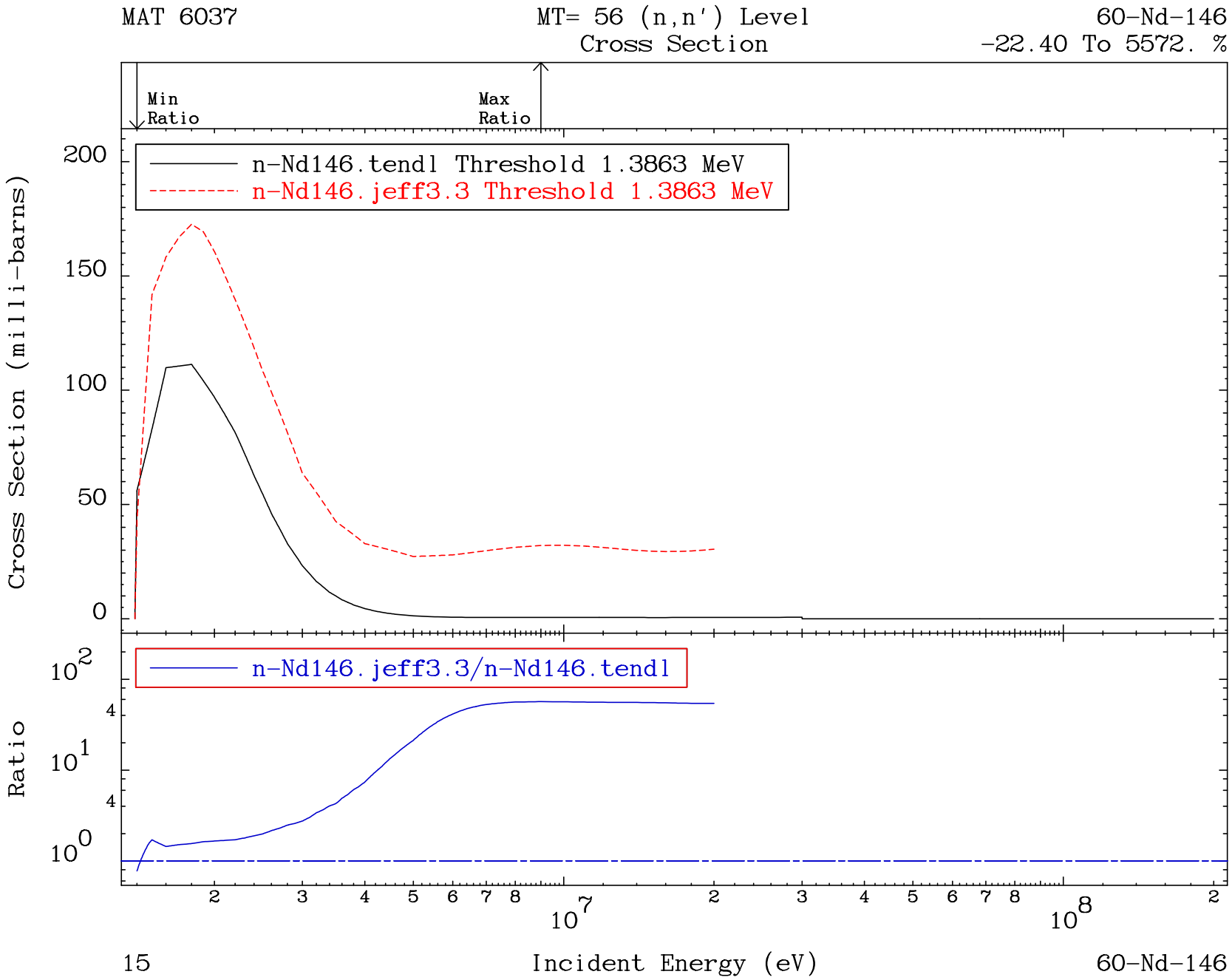

MAT 6037
MT= 51 (n,n') Level
Cross Section
60-Nd-146
-43.52 To 7.781 %
Max Ratio
Min Ratio
n-Nd146.tendl Threshold 456.91 keV
n-Nd146.jeff3.3 Threshold 457.00 keV
Cross Section (barns)
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
1.2
1.0
0.8
0.6
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
10
Incident Energy (eV)
60-Nd-146

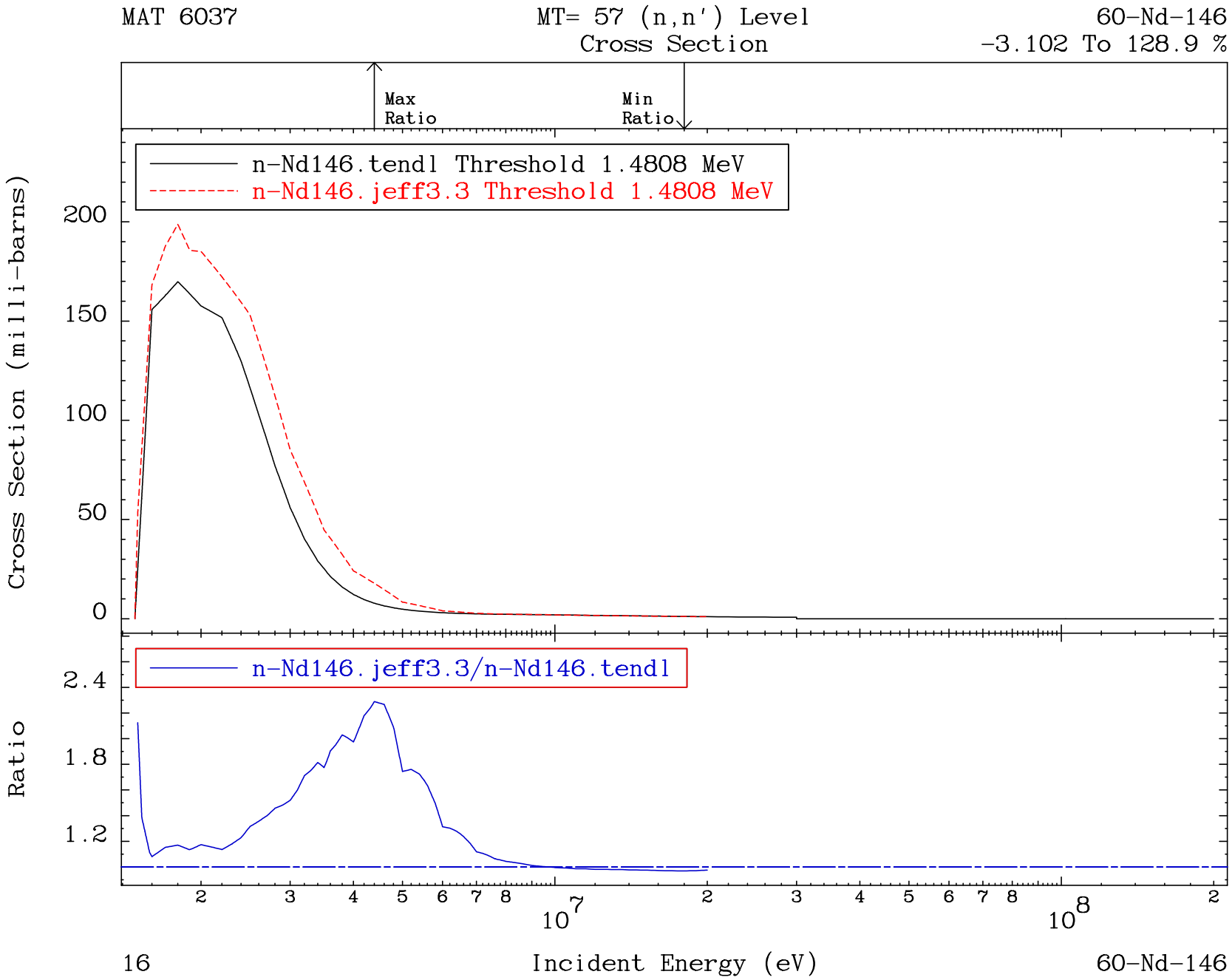

MAT 6037
MT= 52 (n,n') Level
Cross Section
60-Nd-146
15.12 To 9999. %
Min Ratio
Max Ratio
n-Nd146.tendl Threshold 921.73 keV
n-Nd146.jeff3.3 Threshold 921.83 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
10^9
10^6
10^3
10^0
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
11
Incident Energy (eV)
60-Nd-146

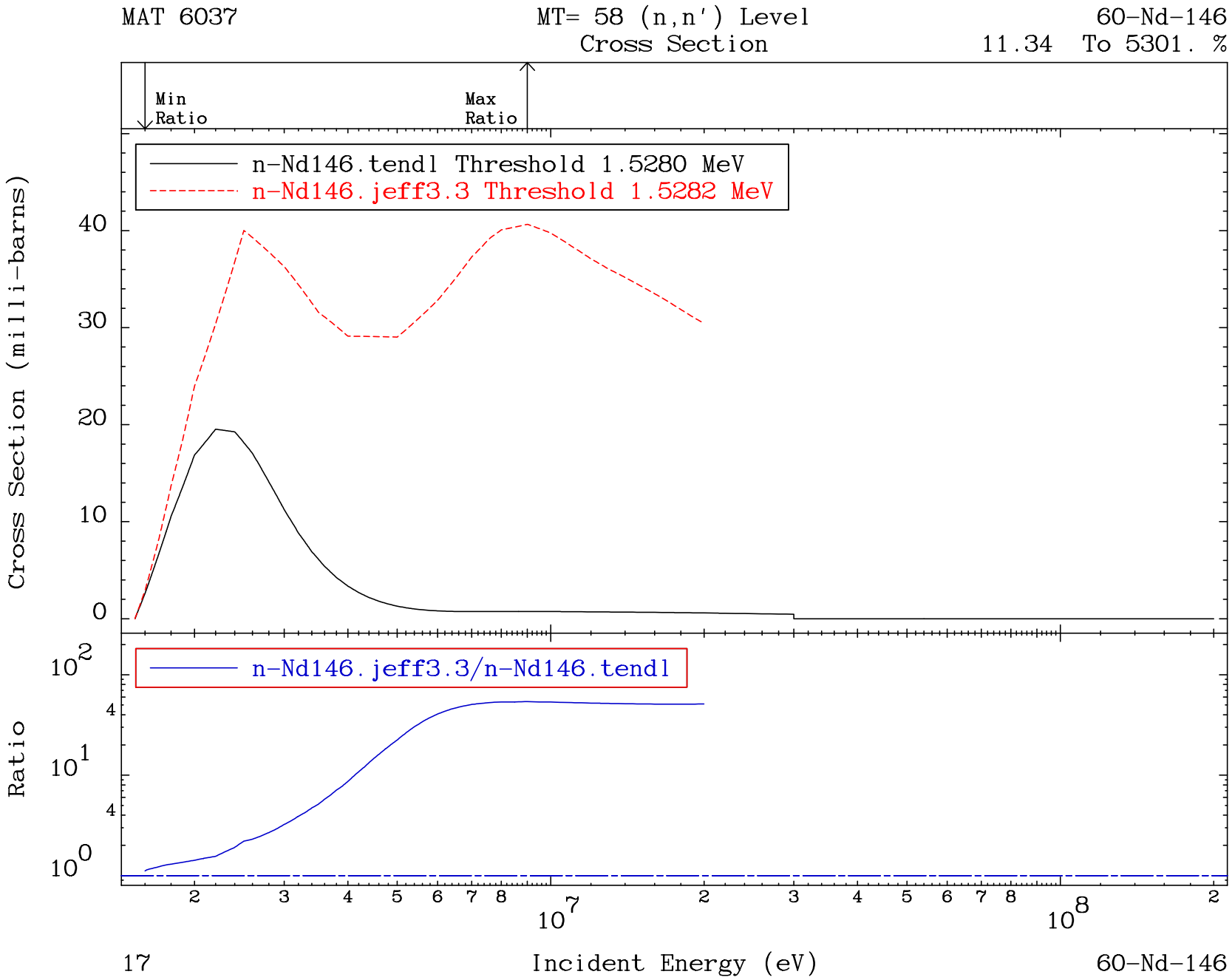

MAT 6037
MT= 53 (n,n') Level
Cross Section
60-Nd-146
-91.86 To 83.58 %
Max Ratio
Min Ratio
n-Nd146.tendl Threshold 1.0494 MeV
n-Nd146.jeff3.3 Threshold 1.0504 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
10^0
6
10^-1
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
60-Nd-146

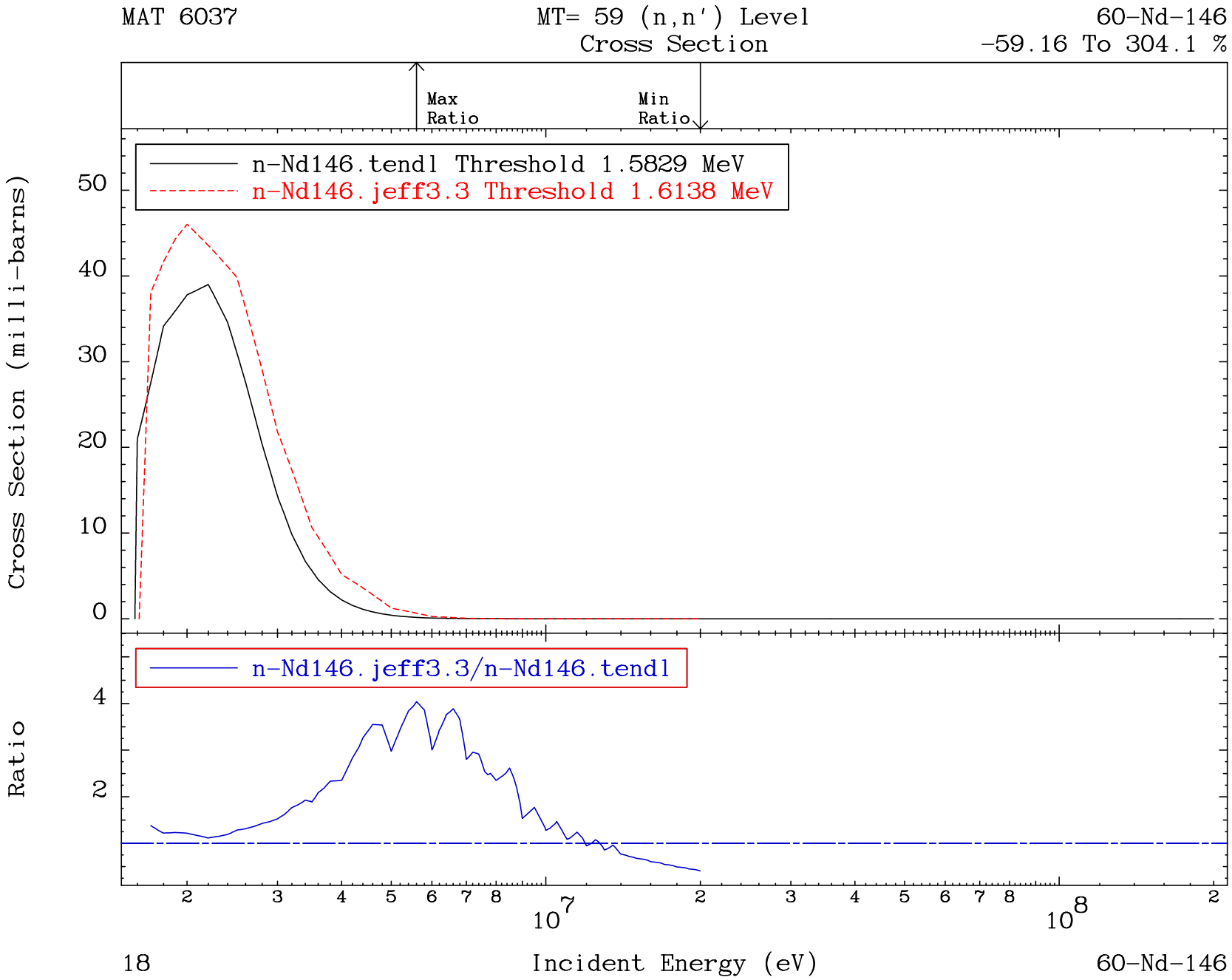

MAT 6037
MT= 54 (n,n') Level
Cross Section
60-Nd-146
-50.23 To 69.02 %
Max
Ratio
n-Nd146.tendl Threshold 1.1978 MeV
n-Nd146.jeff3.3 Threshold 1.1978 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
2.0
1.6
1.2
0.8
0.4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
60-Nd-146

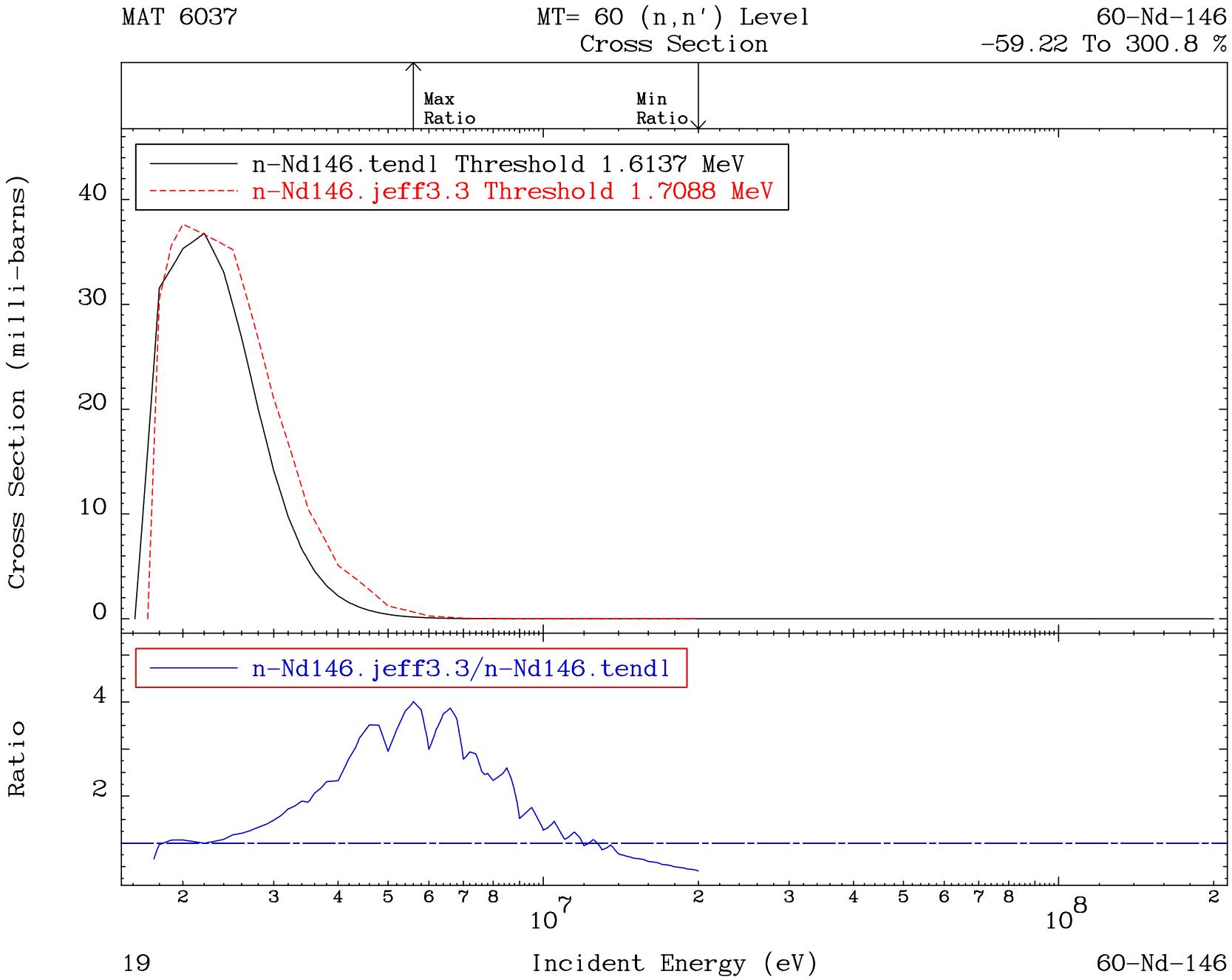

MAT 6037
MT= 55 (n,n') Level
Cross Section
60-Nd-146
-3.397 To 127.2 %
Max Ratio
Min Ratio
n-Nd146.tendl Threshold 1.3121 MeV
n-Nd146.jeff3.3 Threshold 1.3121 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
2.4
2.0
1.6
1.2
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
60-Nd-146

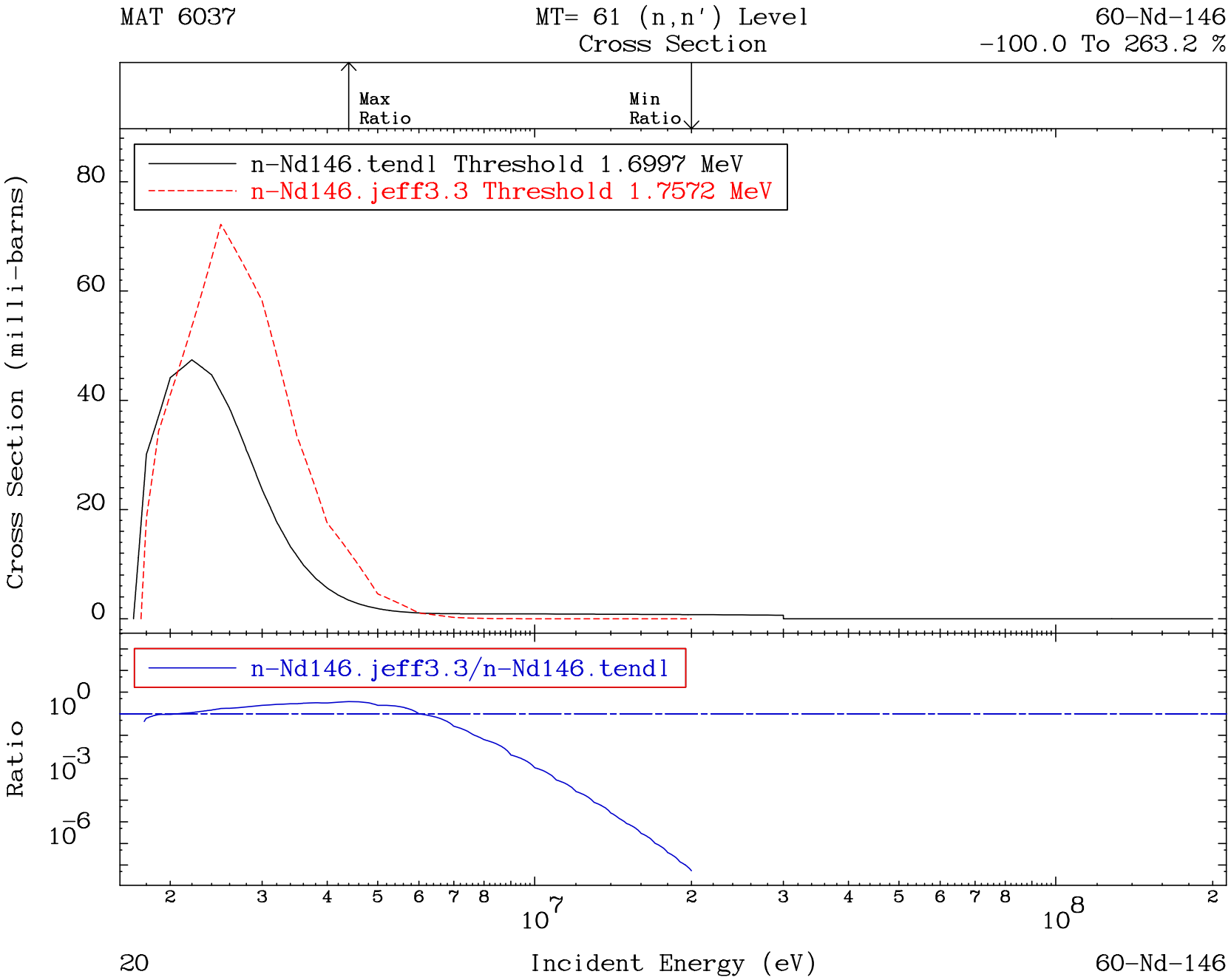

MAT 6037
MT= 56 (n,n') Level
Cross Section
60-Nd-146
-22.40 To 5572. %
Min Ratio
Max Ratio
n-Nd146.tendl Threshold 1.3863 MeV
n-Nd146.jeff3.3 Threshold 1.3863 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
10^2
10^1
10^0
4
4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
60-Nd-146

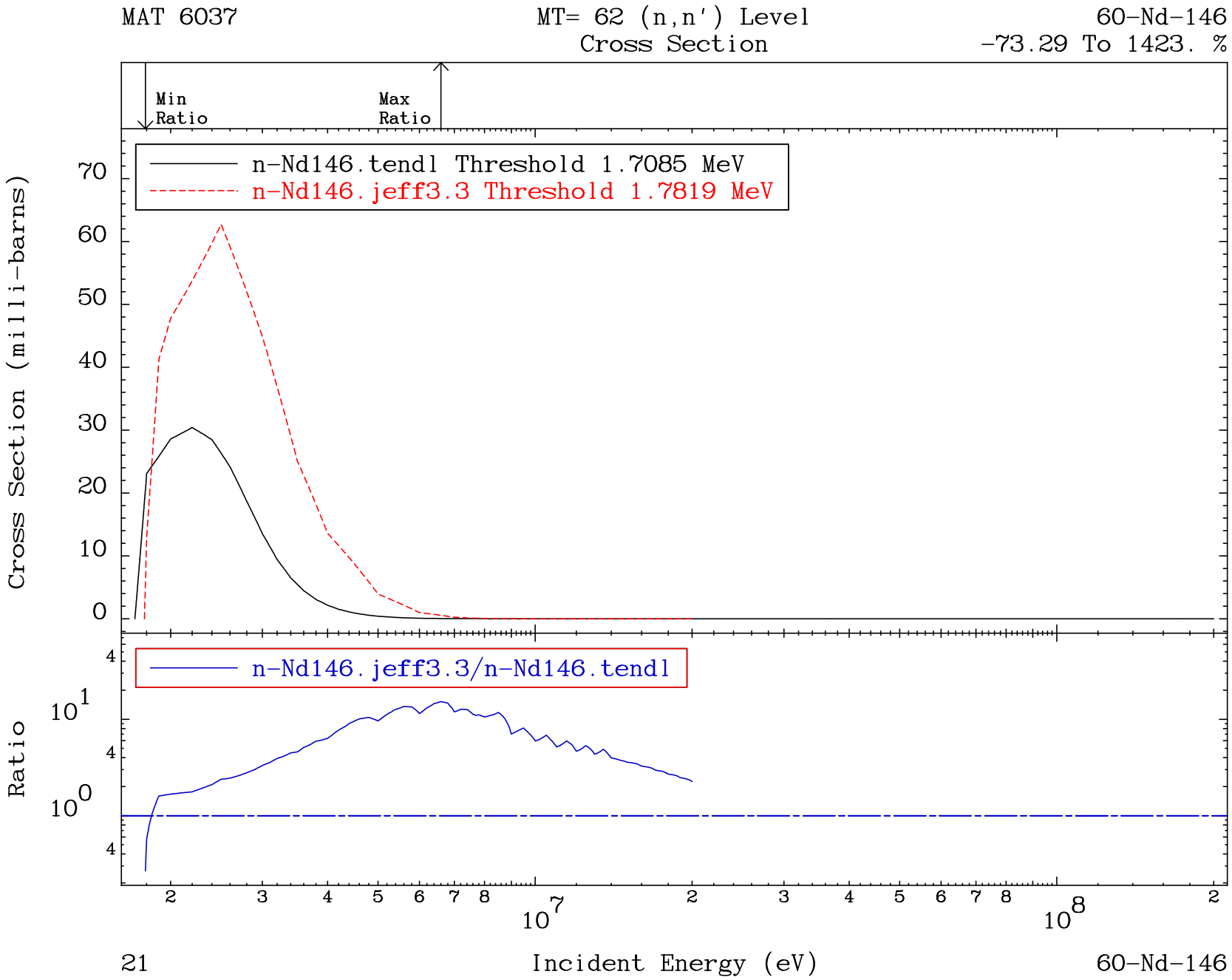

MAT 6037
MT= 57 (n,n') Level
Cross Section
60-Nd-146
-3.102 To 128.9 %
Max
Ratio
Min
Ratio
n-Nd146.tendl Threshold 1.4808 MeV
n-Nd146.jeff3.3 Threshold 1.4808 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
2.4
1.8
1.2
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
60-Nd-146

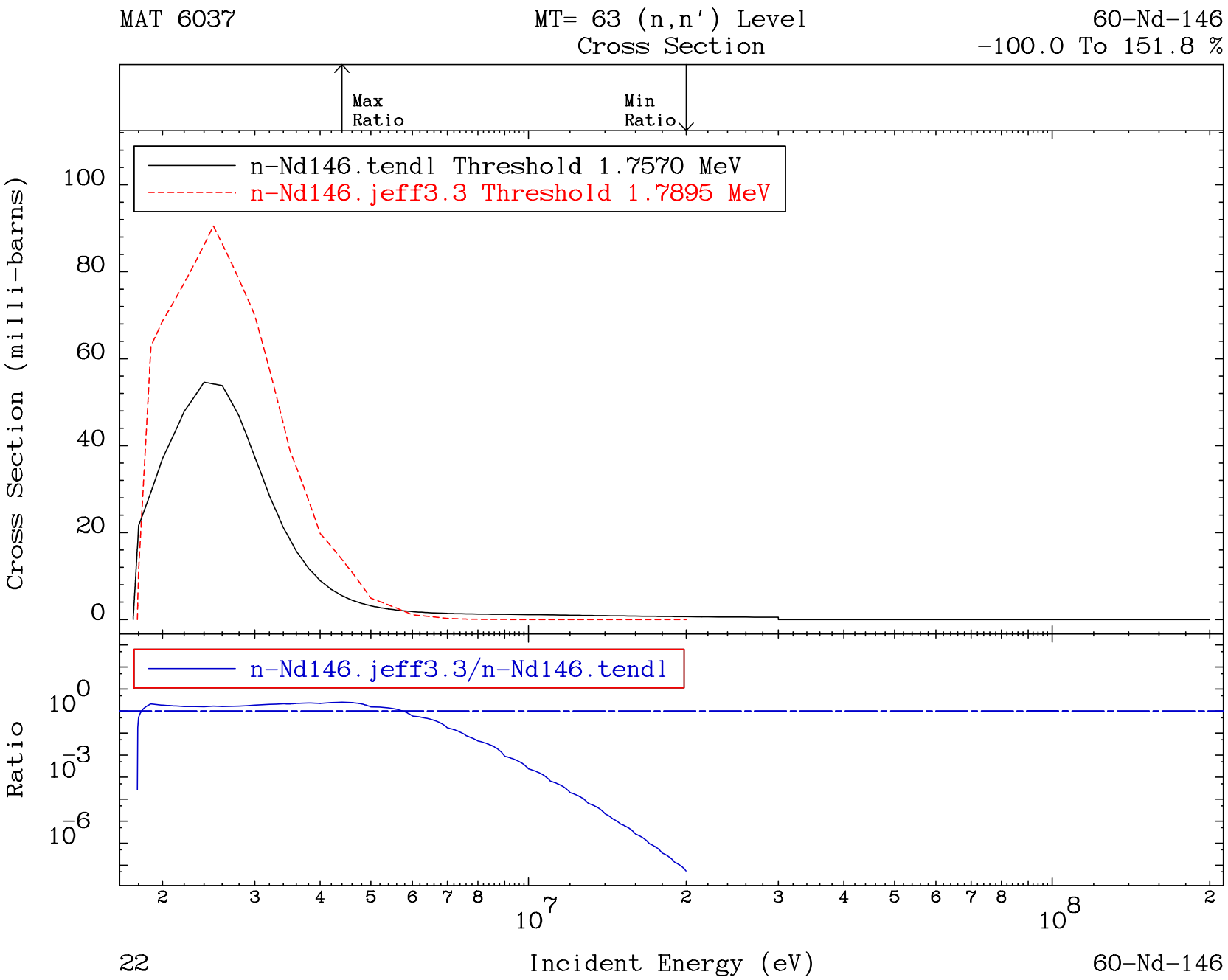

MAT 6037
MT= 58 (n,n') Level
Cross Section
60-Nd-146
11.34 To 5301. %
Min Ratio
Max Ratio
n-Nd146.tendl Threshold 1.5280 MeV
n-Nd146.jeff3.3 Threshold 1.5282 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
10^2
4
10^1
4
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
60-Nd-146

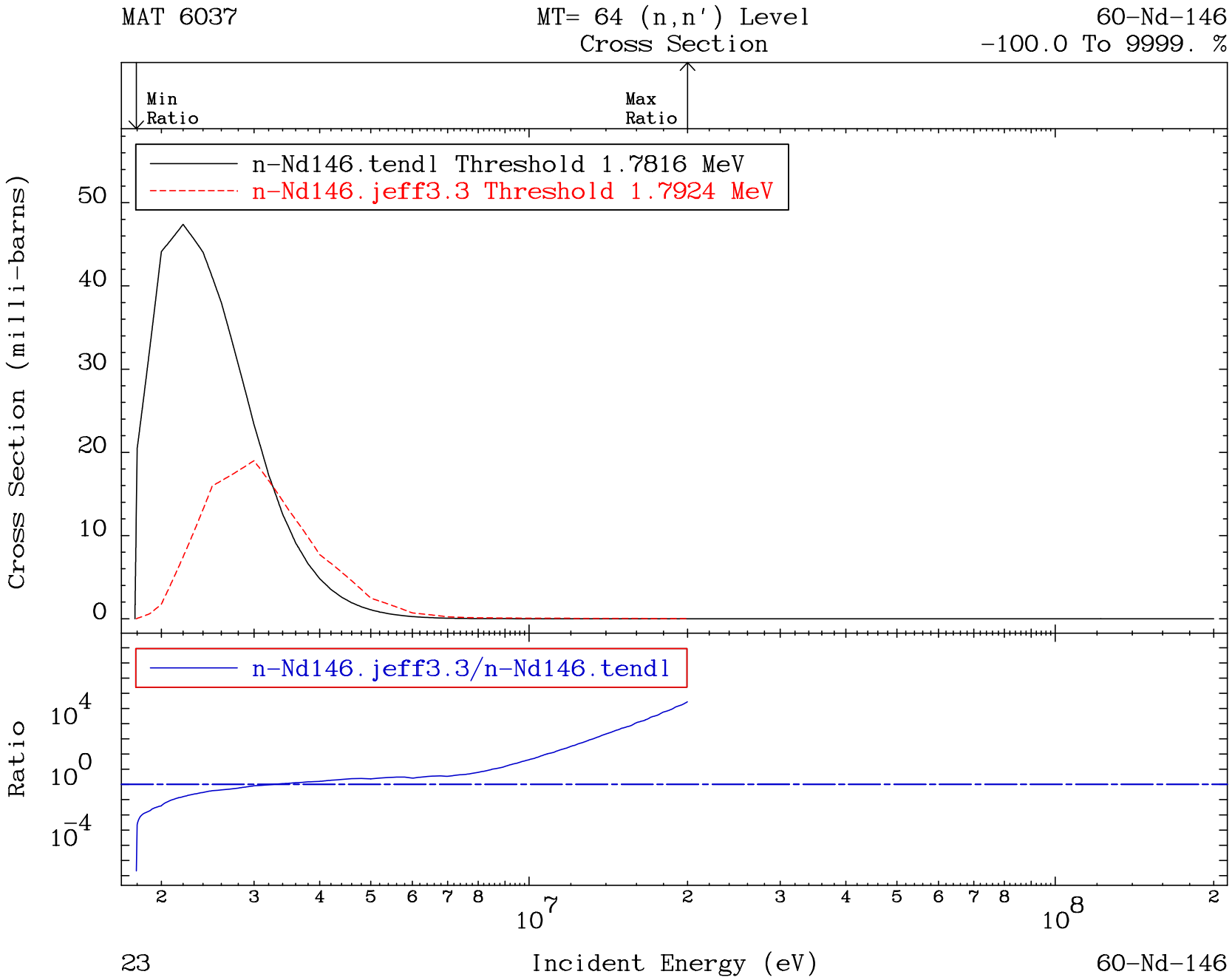

MAT 6037
MT= 59 (n,n') Level
Cross Section
60-Nd-146
-59.16 To 304.1 %
Max
Ratio
Min
Ratio
n-Nd146.tendl Threshold 1.5829 MeV
n-Nd146.jeff3.3 Threshold 1.6138 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
4
2
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
18
Incident Energy (eV)
60-Nd-146

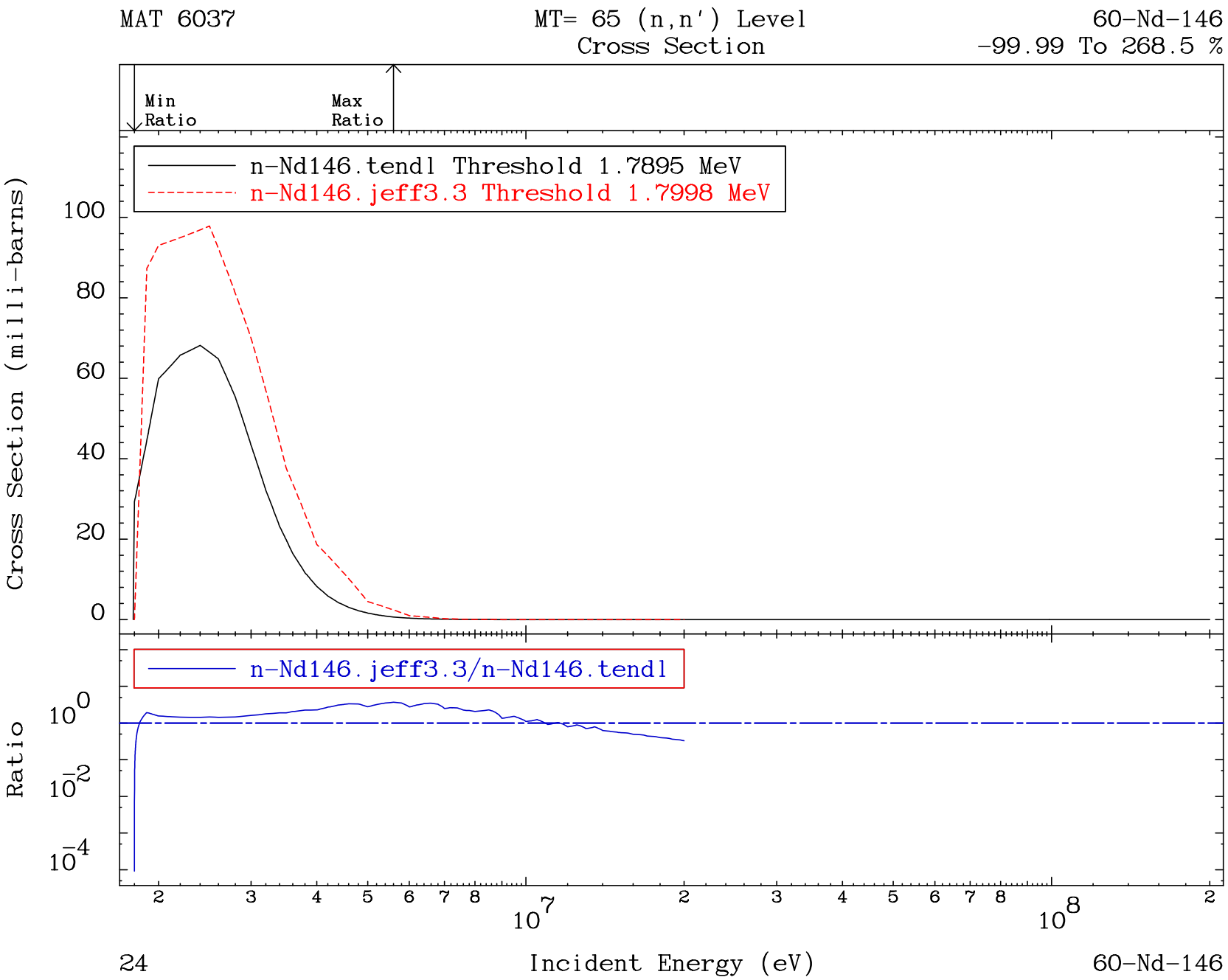

MAT 6037
MT= 60 (n,n') Level
Cross Section
60-Nd-146
-59.22 To 300.8 %
Max Ratio
Min Ratio
n-Nd146.tendl Threshold 1.6137 MeV
n-Nd146.jeff3.3 Threshold 1.7088 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
4
2
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
19
Incident Energy (eV)
60-Nd-146

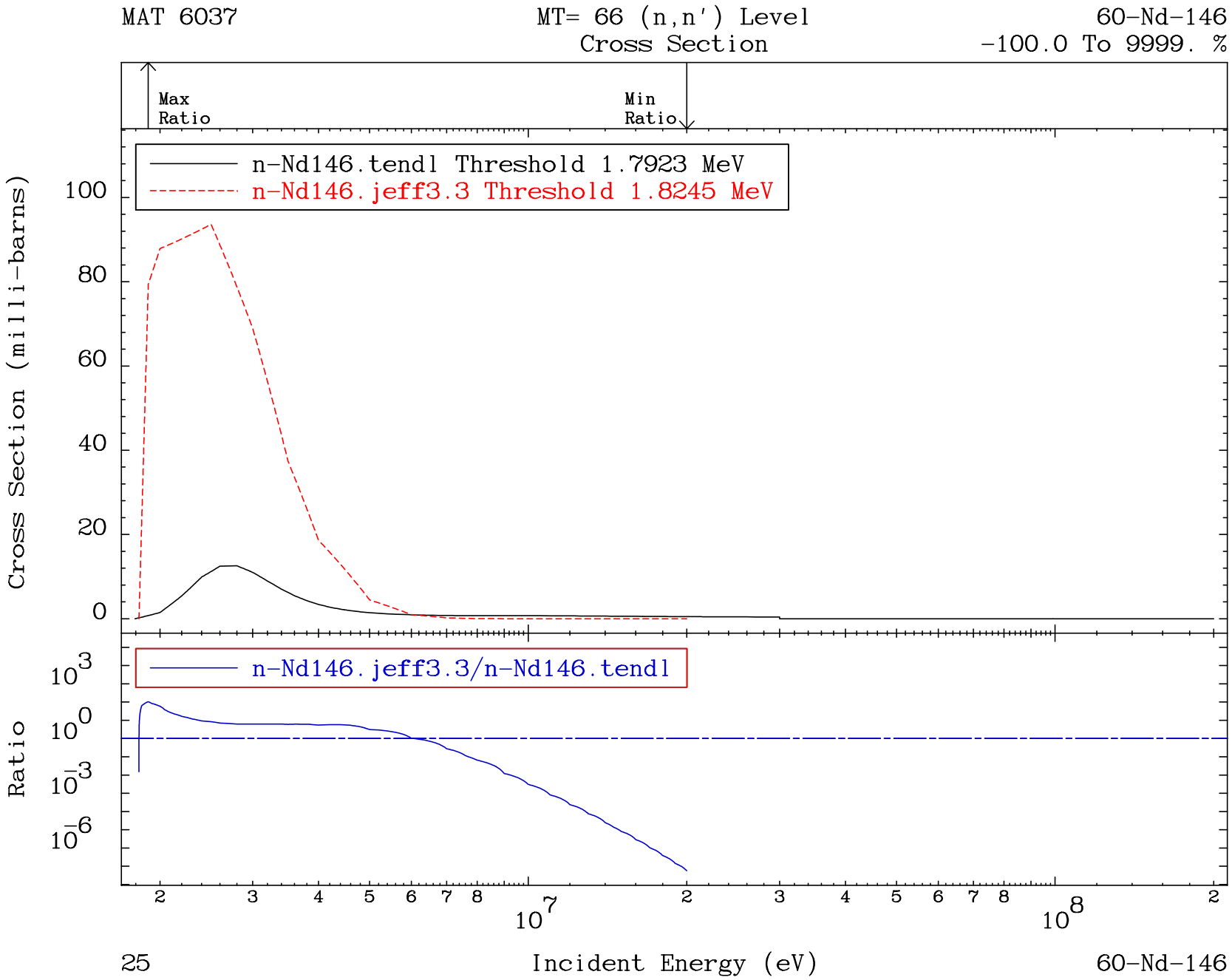

MAT 6037
MT= 61 (n,n') Level
Cross Section
60-Nd-146
-100.0 To 263.2 %
Max
Ratio
Min
Ratio
n-Nd146.tendl Threshold 1.6997 MeV
n-Nd146.jeff3.3 Threshold 1.7572 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
20
Incident Energy (eV)
60-Nd-146

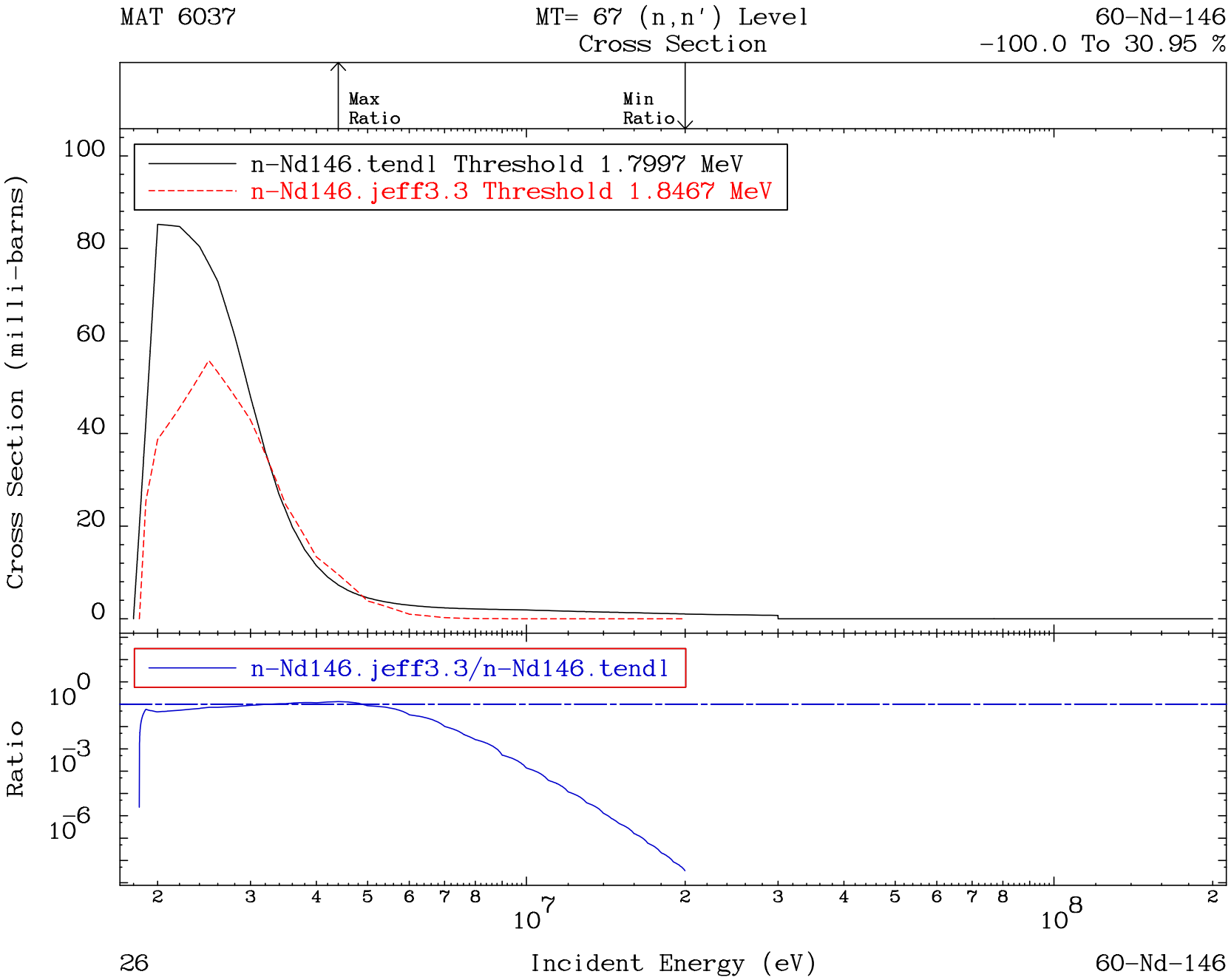

MAT 6037
MT= 62 (n,n') Level
Cross Section
60-Nd-146
-73.29 To 1423. %
Min Ratio
Max Ratio
n-Nd146.tendl Threshold 1.7085 MeV
n-Nd146.jeff3.3 Threshold 1.7819 MeV
Cross Section (milli-barns)
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
Incident Energy (eV)
21
60-Nd-146

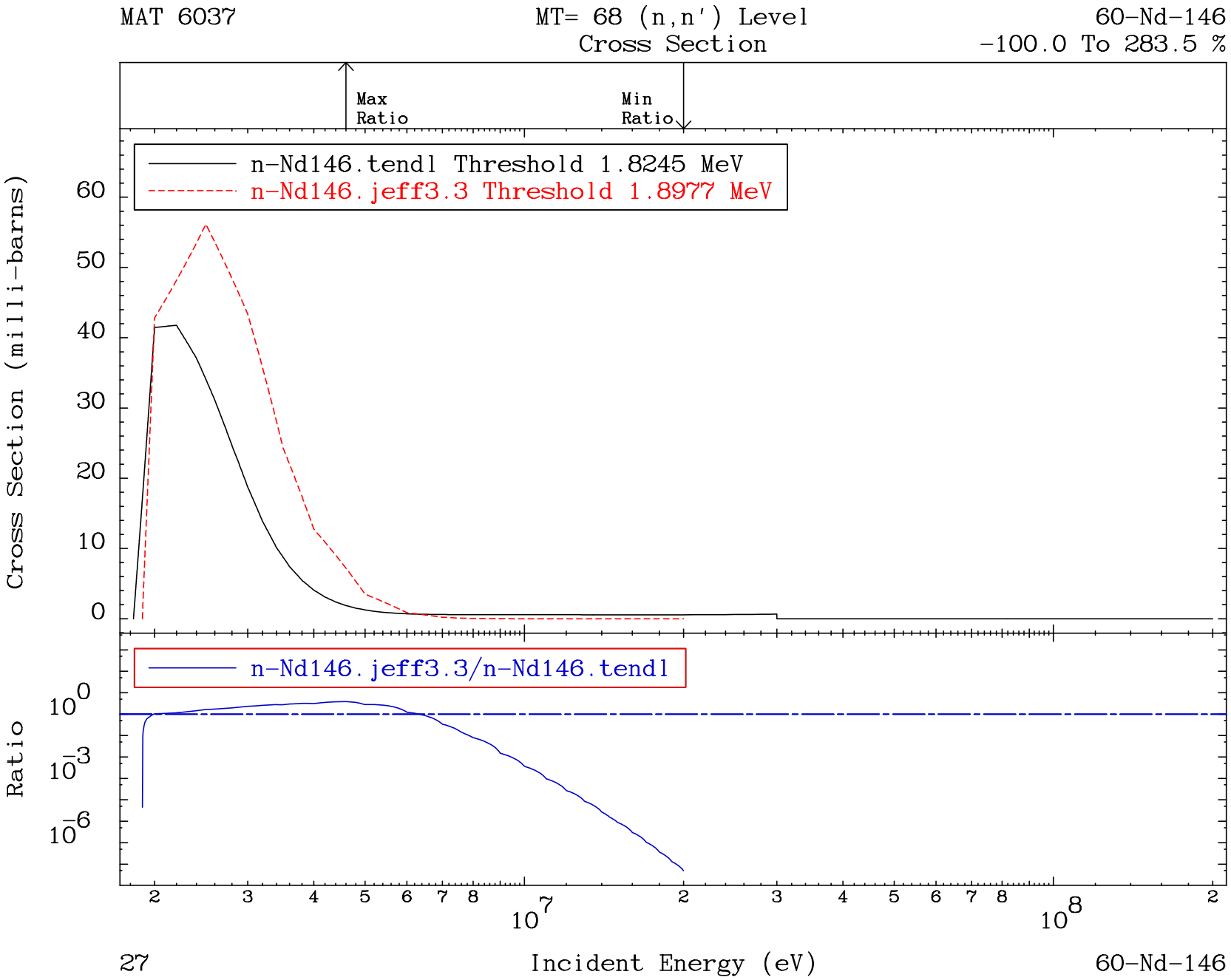

MAT 6037
MT= 63 (n,n') Level
Cross Section
60-Nd-146
-100.0 To 151.8 %
Max
Ratio
Min
Ratio
n-Nd146.tendl Threshold 1.7570 MeV
n-Nd146.jeff3.3 Threshold 1.7895 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
22
Incident Energy (eV)
60-Nd-146

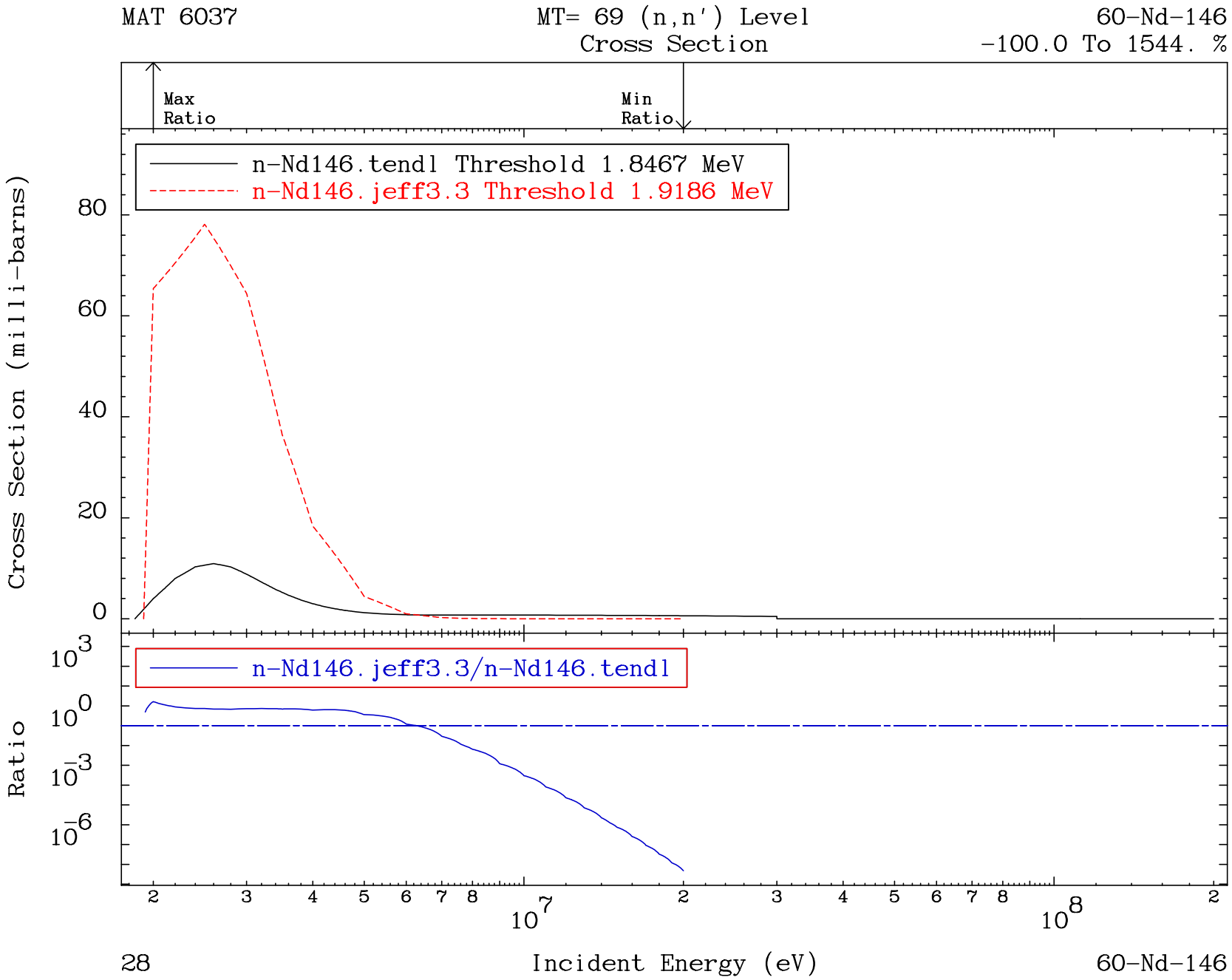

MAT 6037
MT= 64 (n,n') Level
Cross Section
60-Nd-146
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Nd146.tendl Threshold 1.7816 MeV
n-Nd146.jeff3.3 Threshold 1.7924 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
10^4
10^0
10^-4
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
60-Nd-146

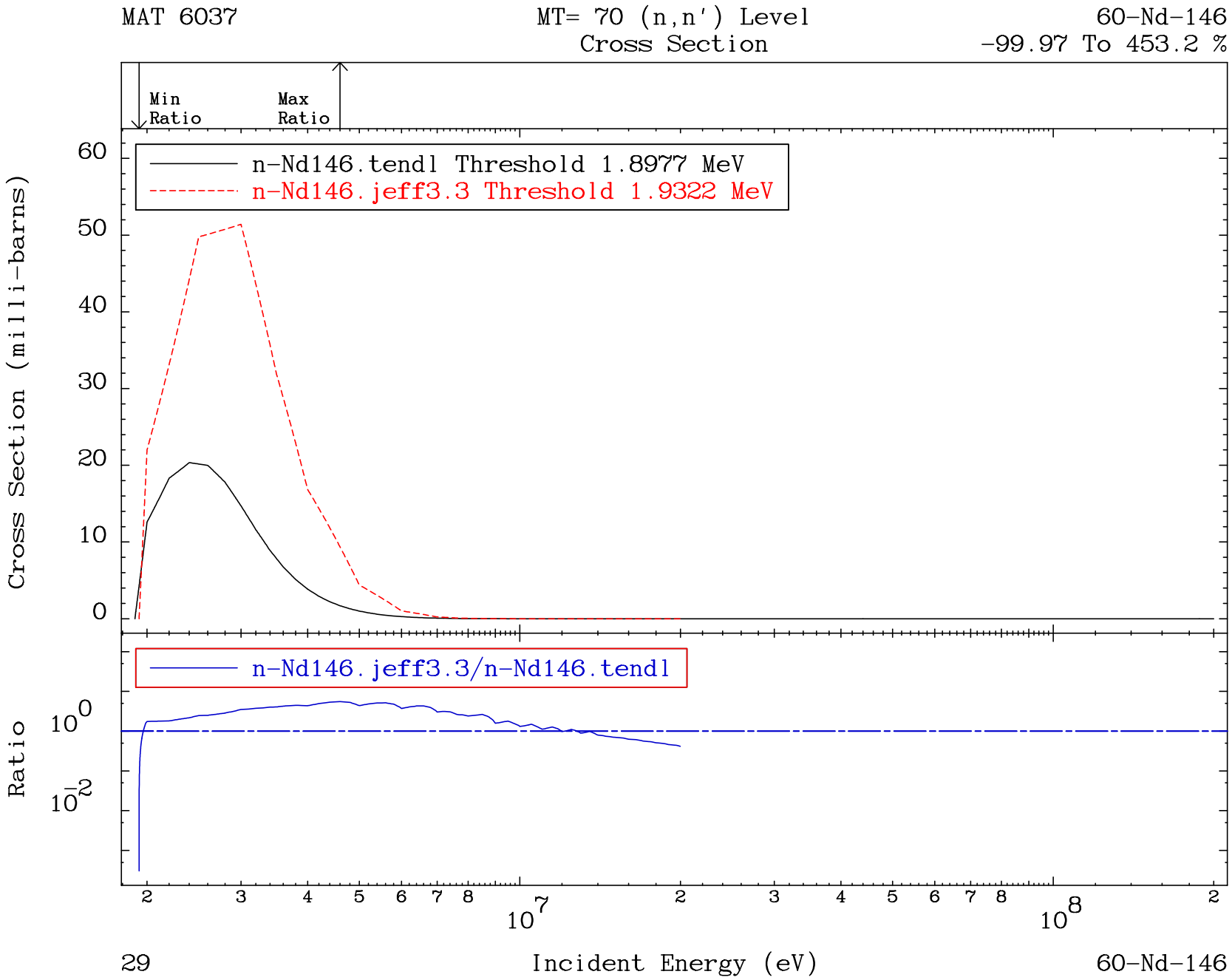

MAT 6037
MT= 65 (n,n') Level
Cross Section
60-Nd-146
-99.99 To 268.5 %
Min Ratio
Max Ratio
n-Nd146.tendl Threshold 1.7895 MeV
n-Nd146.jeff3.3 Threshold 1.7998 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
10^0
10^-2
10^-4
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
24
Incident Energy (eV)
60-Nd-146

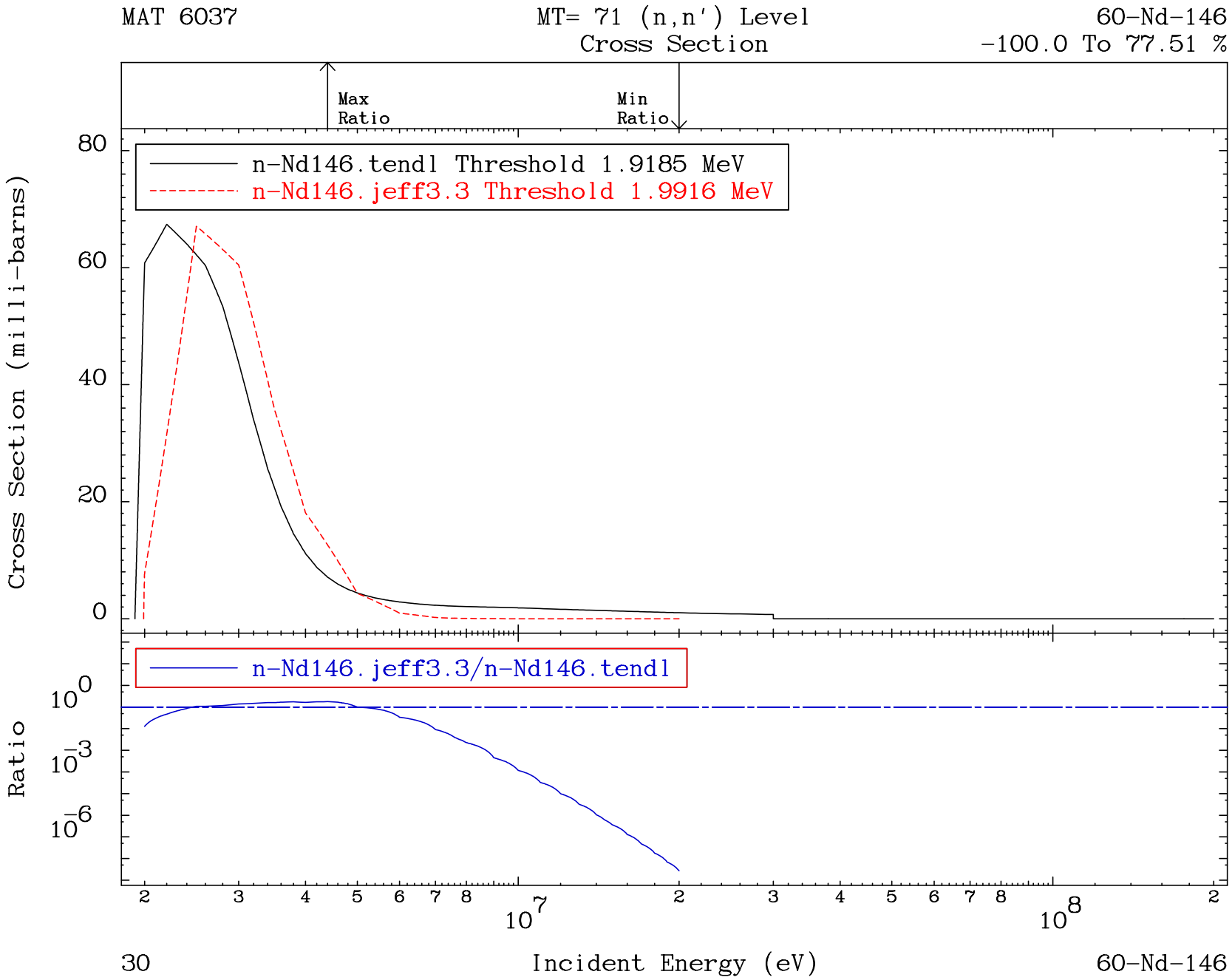

MAT 6037
MT= 66 (n,n') Level
Cross Section
60-Nd-146
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Nd146.tendl Threshold 1.7923 MeV
n-Nd146.jeff3.3 Threshold 1.8245 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
10^3
10^0
10^-3
10^-6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
60-Nd-146

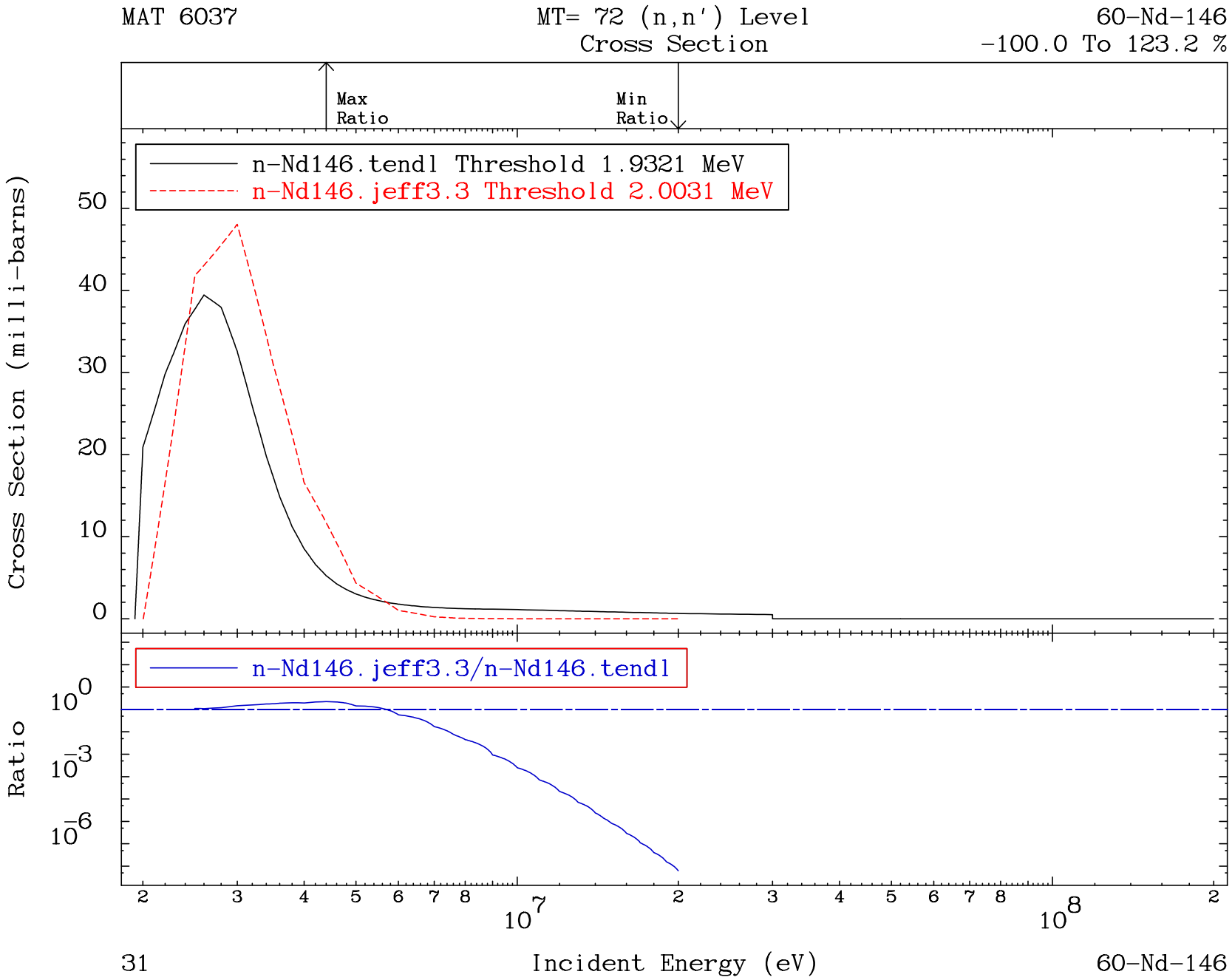

MAT 6037
MT= 67 (n,n') Level
Cross Section
60-Nd-146
-100.0 To 30.95 %
Max
Ratio
Min
Ratio
n-Nd146.tendl Threshold 1.7997 MeV
n-Nd146.jeff3.3 Threshold 1.8467 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
10^8
26
Incident Energy (eV)
60-Nd-146

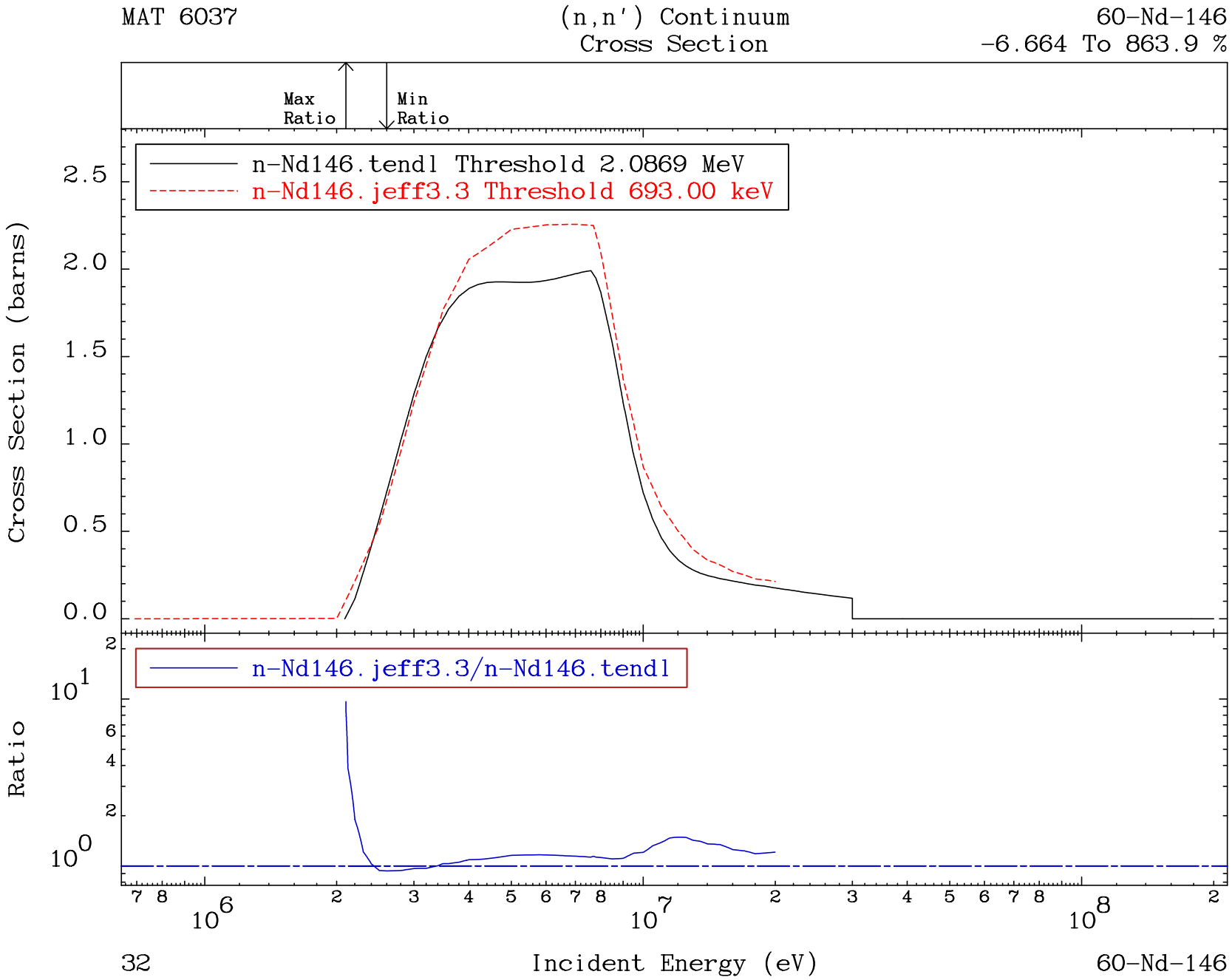

MAT 6037
MT= 68 (n,n') Level
Cross Section
60-Nd-146
-100.0 To 283.5 %
Max
Ratio
Min
Ratio
n-Nd146.tendl Threshold 1.8245 MeV
n-Nd146.jeff3.3 Threshold 1.8977 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
27
Incident Energy (eV)
60-Nd-146

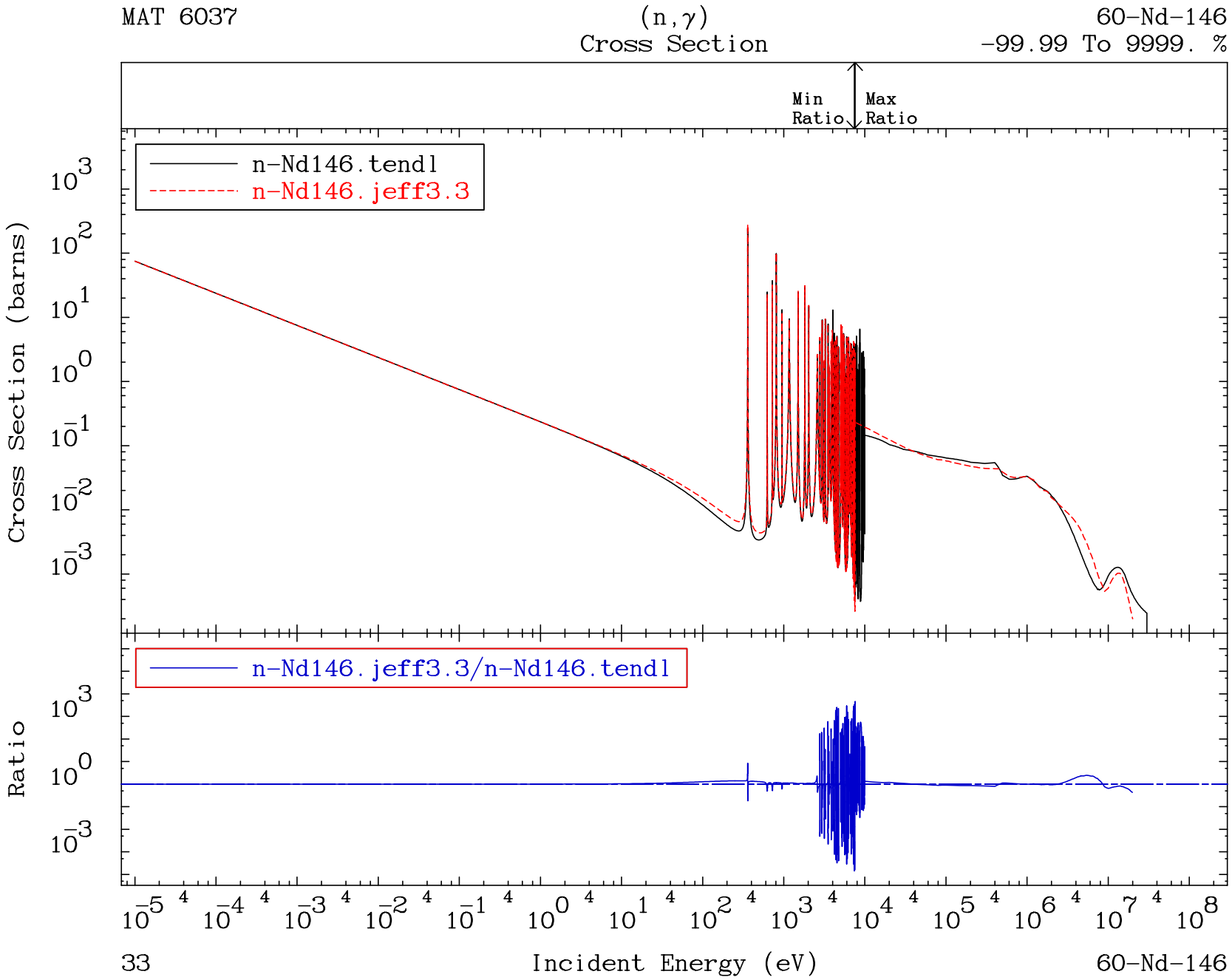

MAT 6037
MT= 69 (n,n') Level
Cross Section
60-Nd-146
-100.0 To 1544. %
Max
Ratio
Min
Ratio
n-Nd146.tendl Threshold 1.8467 MeV
n-Nd146.jeff3.3 Threshold 1.9186 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
10^3
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
28
Incident Energy (eV)
60-Nd-146

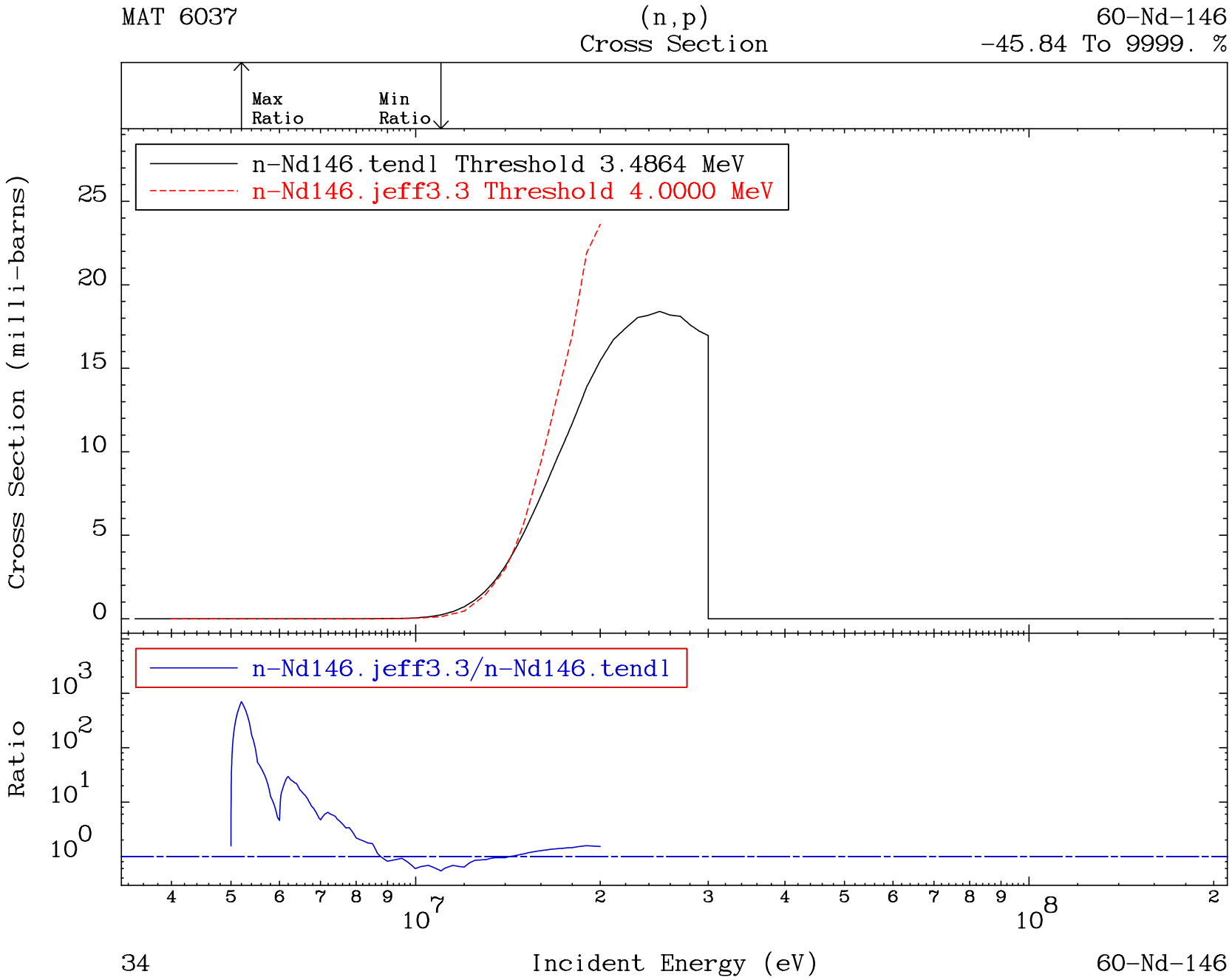

MAT 6037
MT= 70 (n,n') Level
Cross Section
60-Nd-146
-99.97 To 453.2 %
Min Ratio
Max Ratio
n-Nd146.tendl Threshold 1.8977 MeV
n-Nd146.jeff3.3 Threshold 1.9322 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
10^0
10^-2
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
29
Incident Energy (eV)
60-Nd-146

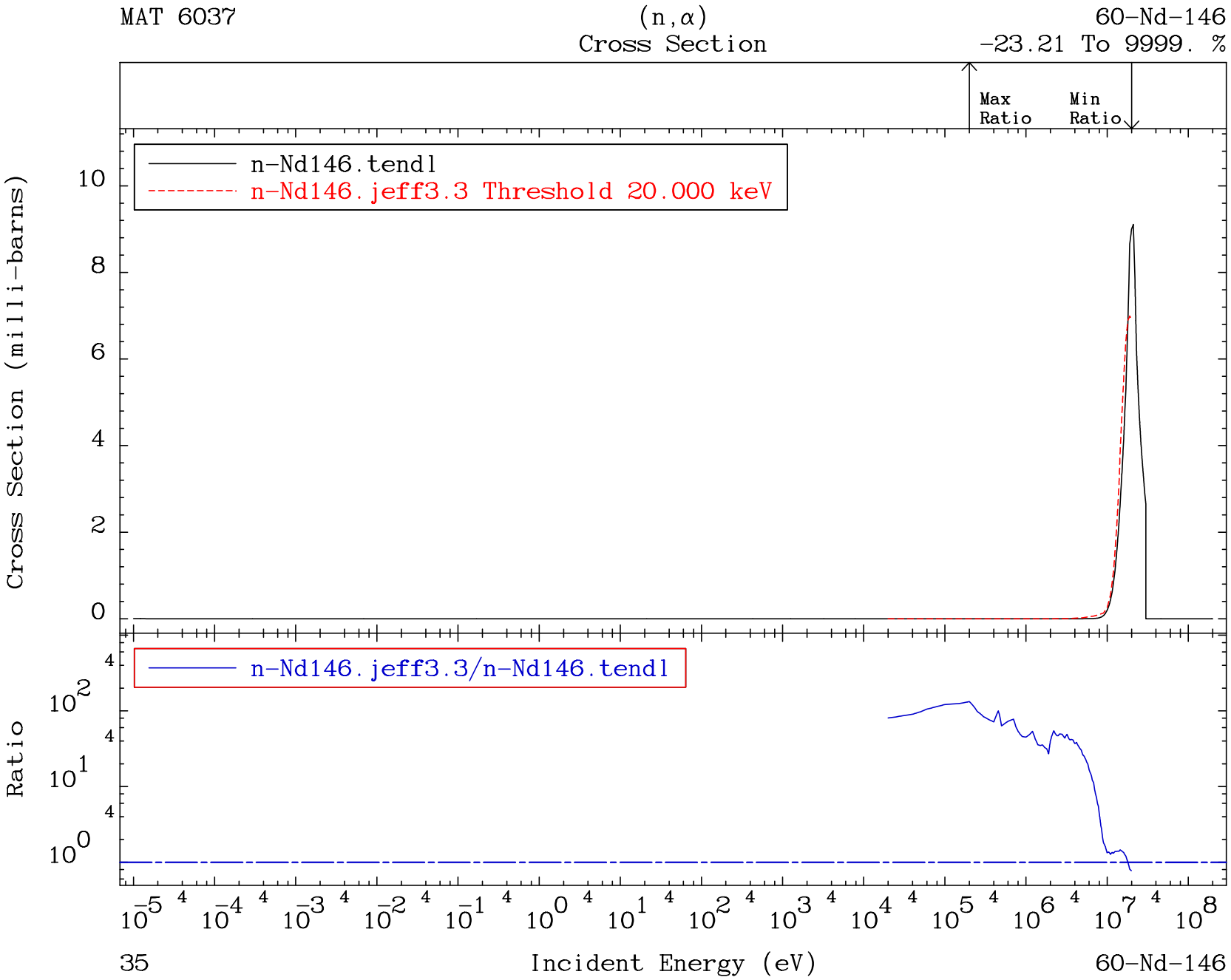

MAT 6037
MT= 71 (n,n') Level
Cross Section
60-Nd-146
-100.0 To 77.51 %
Max Ratio
Min Ratio
n-Nd146.tendl Threshold 1.9185 MeV
n-Nd146.jeff3.3 Threshold 1.9916 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
10^0
10^-3
10^-6
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
30
Incident Energy (eV)
60-Nd-146

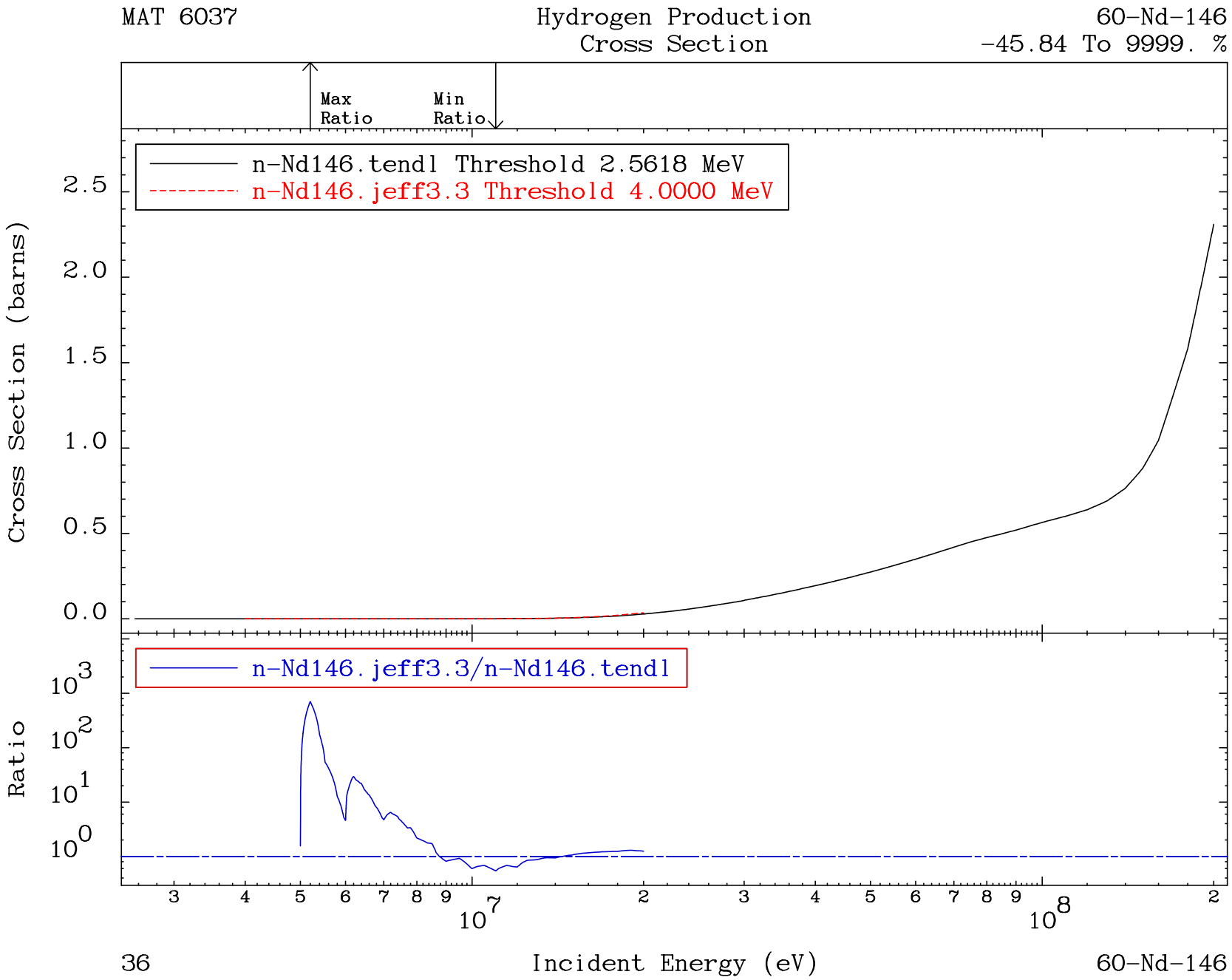

MAT 6037
MT= 72 (n,n') Level
Cross Section
60-Nd-146
-100.0 To 123.2 %
Max
Ratio
Min
Ratio
n-Nd146.tendl Threshold 1.9321 MeV
n-Nd146.jeff3.3 Threshold 2.0031 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
31
Incident Energy (eV)
60-Nd-146

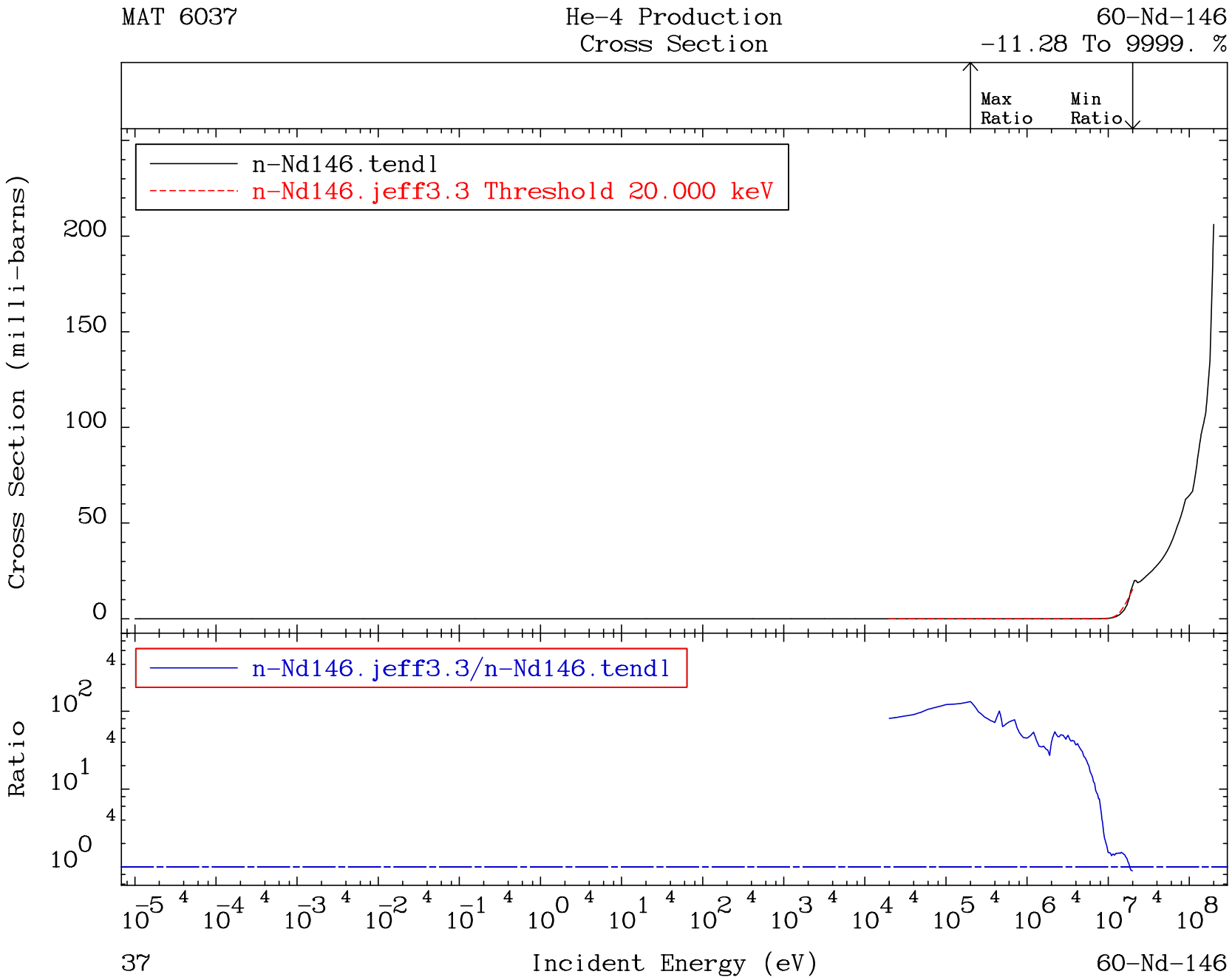

MAT 6037
(n,n') Continuum
Cross Section
60-Nd-146
-6.664 To 863.9 %
Max Ratio
Min Ratio
n-Nd146.tendl Threshold 2.0869 MeV
n-Nd146.jeff3.3 Threshold 693.00 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
10^1
10^0
10^6
10^7
10^8
Incident Energy (eV)
32
60-Nd-146

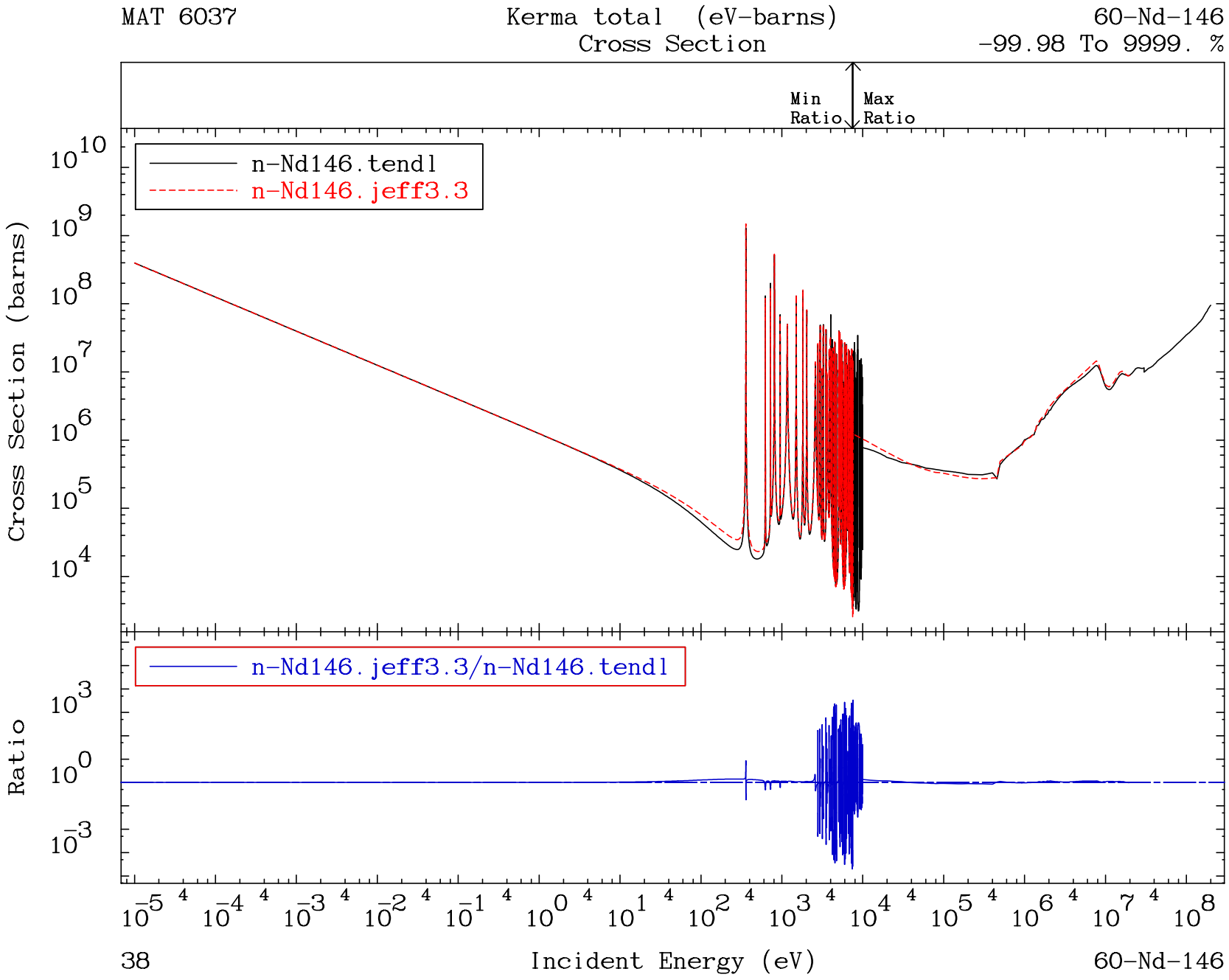

MAT 6037
(n,γ)
Cross Section
60-Nd-146
-99.99 To 9999. %
Min Ratio
Max Ratio
n-Nd146.tendl
n-Nd146.jeff3.3
Cross Section (barns)
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
Incident Energy (eV)
33
60-Nd-146

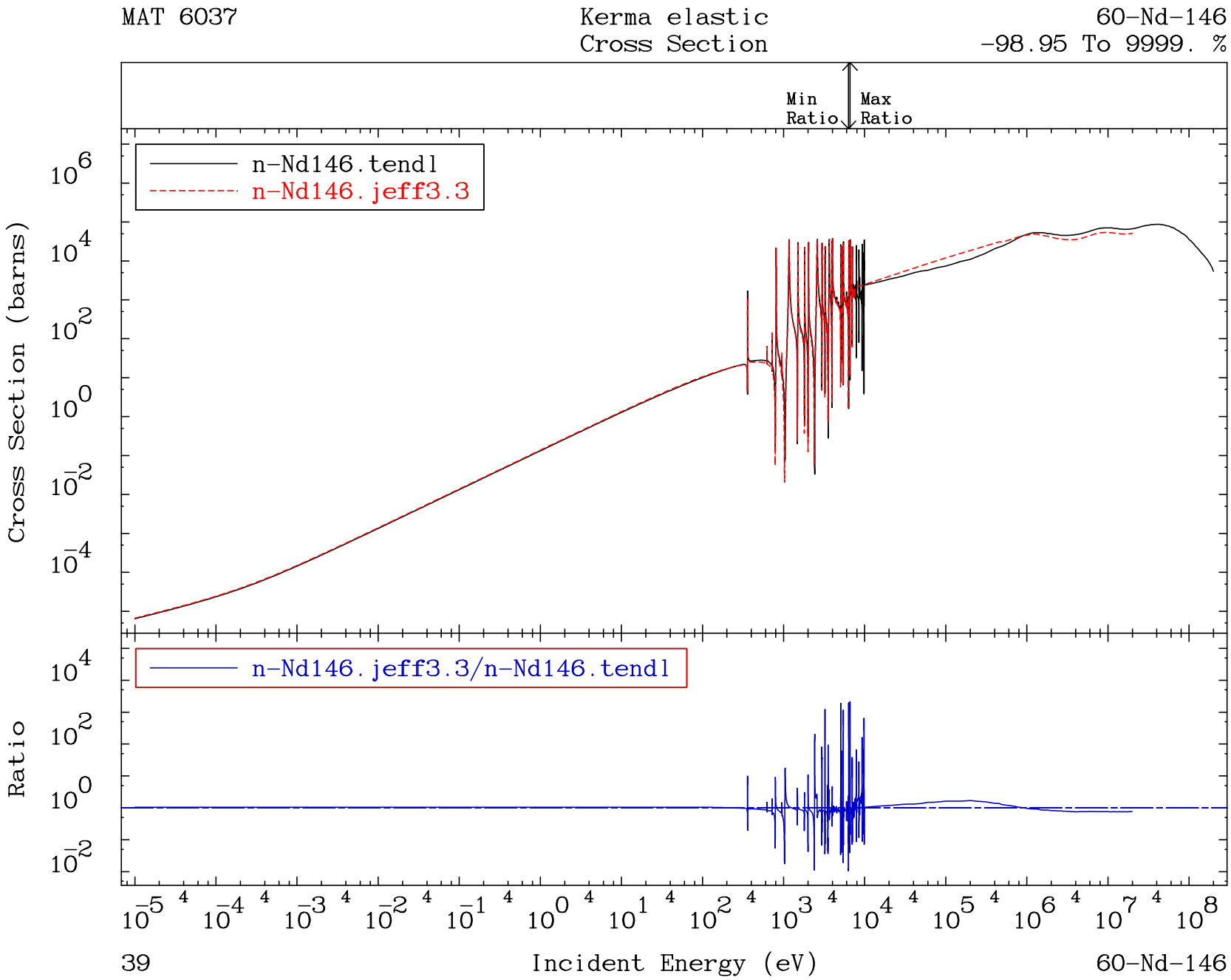

MAT 6037
(n,p)
Cross Section
60-Nd-146
-45.84 To 9999. %
Max Ratio
Min Ratio
n-Nd146.tendl Threshold 3.4864 MeV
n-Nd146.jeff3.3 Threshold 4.0000 MeV
Cross Section (milli-barns)
0
5
10
15
20
25
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
10^0
10^1
10^2
10^3
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
34
Incident Energy (eV)
60-Nd-146

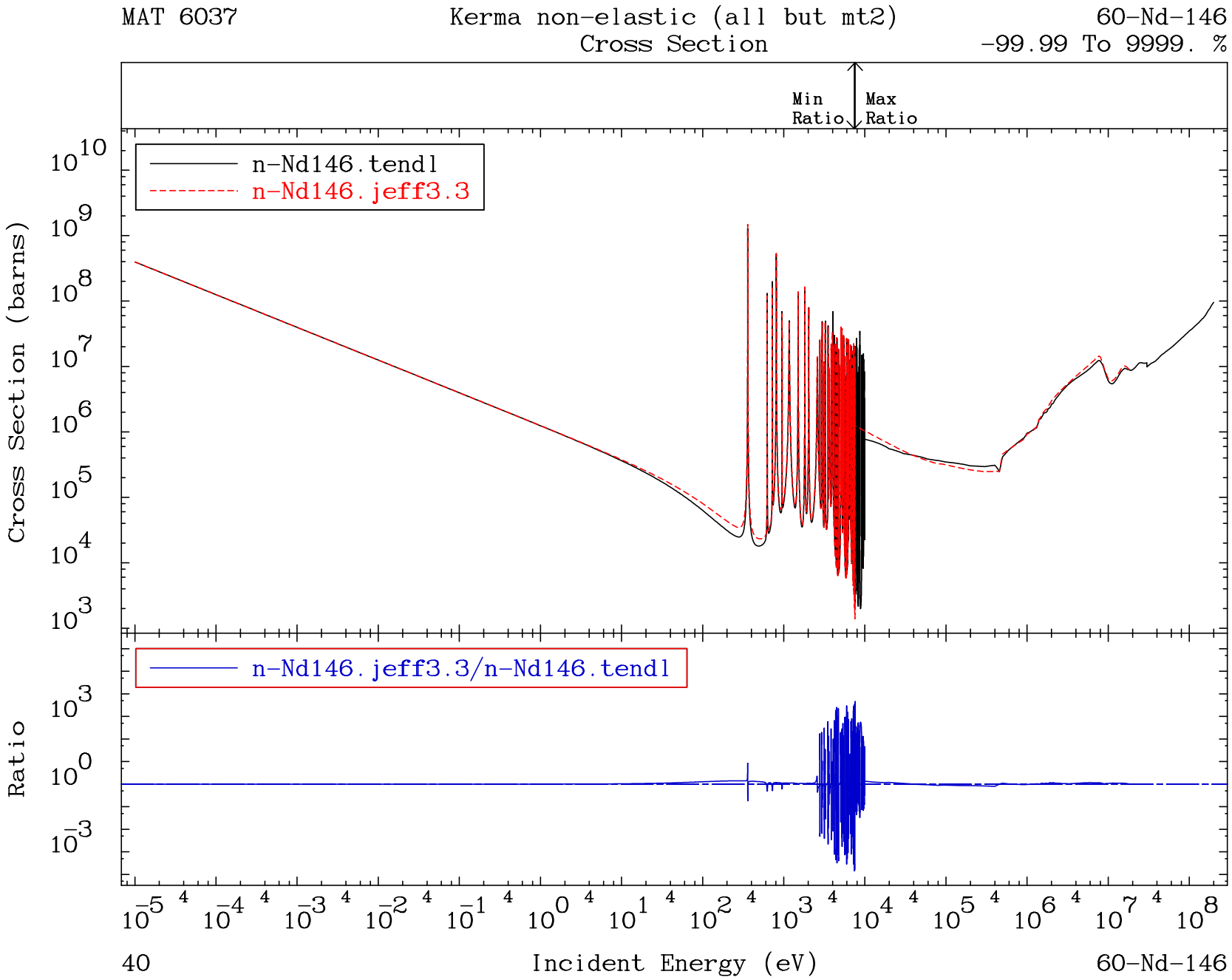

MAT 6037
(n,α)
Cross Section
60-Nd-146
-23.21 To 9999. %
Max Ratio
Min Ratio
n-Nd146.tendl
n-Nd146.jeff3.3 Threshold 20.000 keV
Cross Section (milli-barns)
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
Incident Energy (eV)
35
60-Nd-146

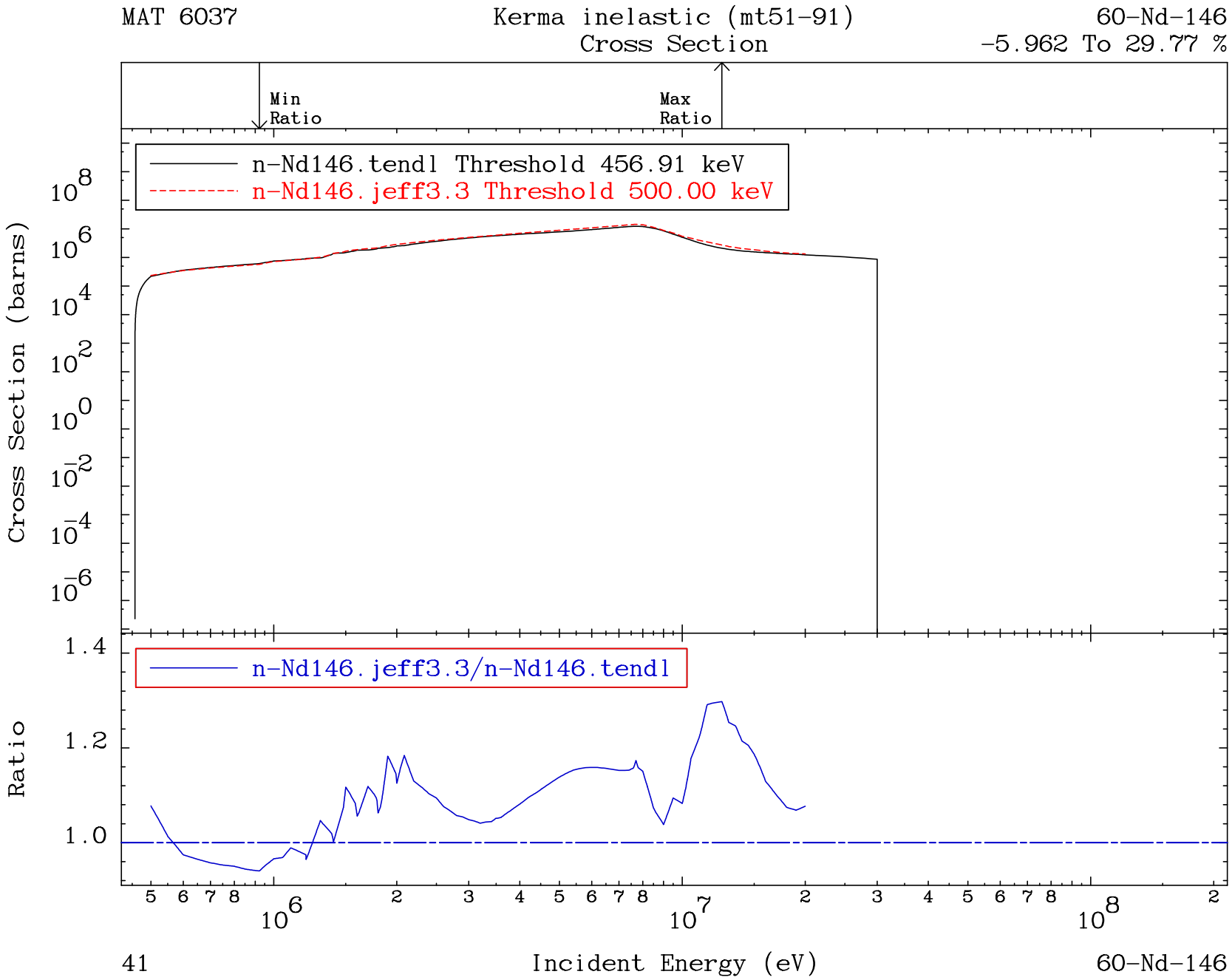

MAT 6037
Hydrogen Production
Cross Section
60-Nd-146
-45.84 To 9999. %
Max Ratio
Min Ratio
n-Nd146.tendl Threshold 2.5618 MeV
n-Nd146.jeff3.3 Threshold 4.0000 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
10^3
10^2
10^1
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
36
Incident Energy (eV)
60-Nd-146

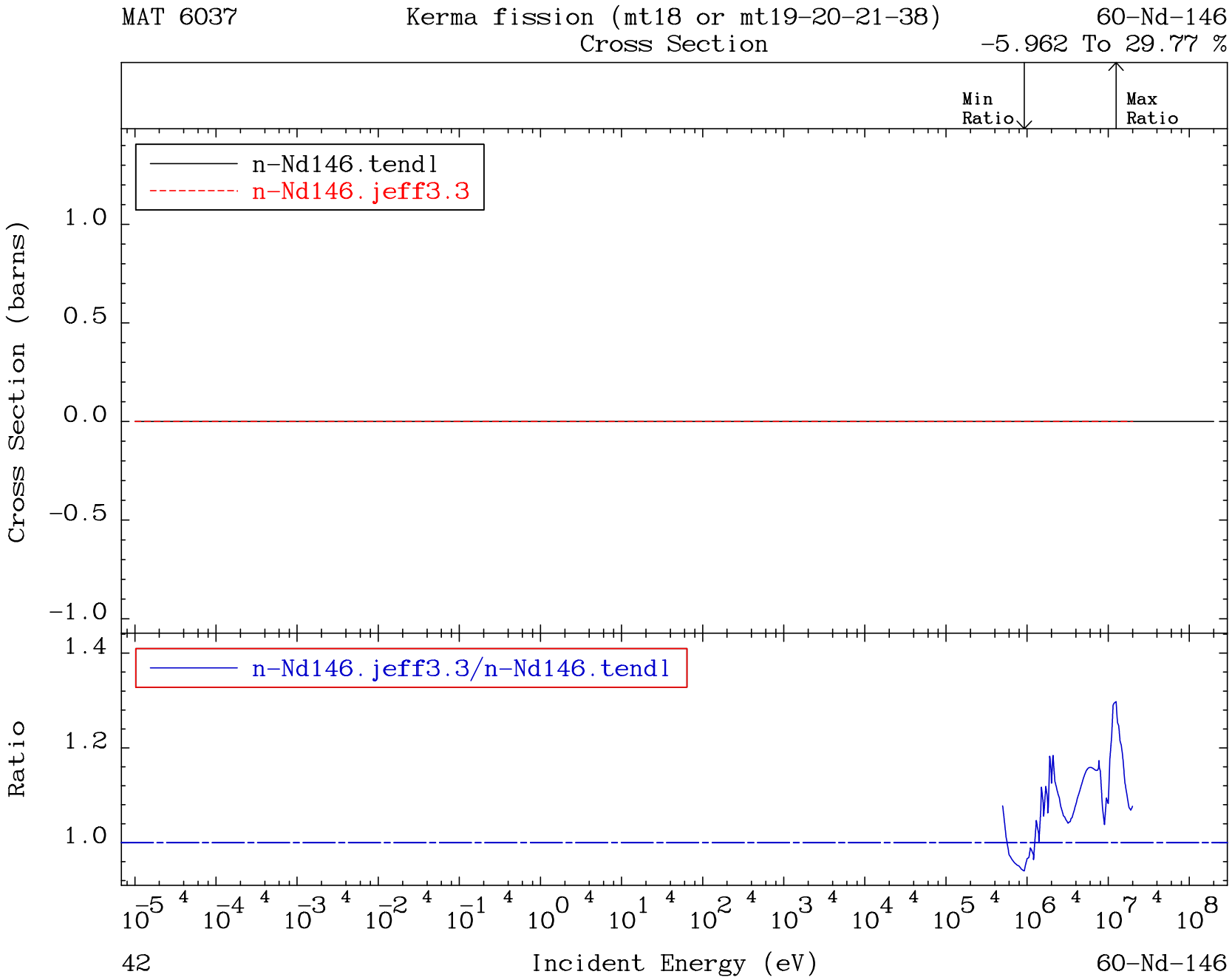

MAT 6037
He-4 Production
Cross Section
60-Nd-146
-11.28 To 9999. %
Max Ratio
Min Ratio
n-Nd146.tendl
n-Nd146.jeff3.3 Threshold 20.000 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
10^2
10^1
10^0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
37
Incident Energy (eV)
60-Nd-146

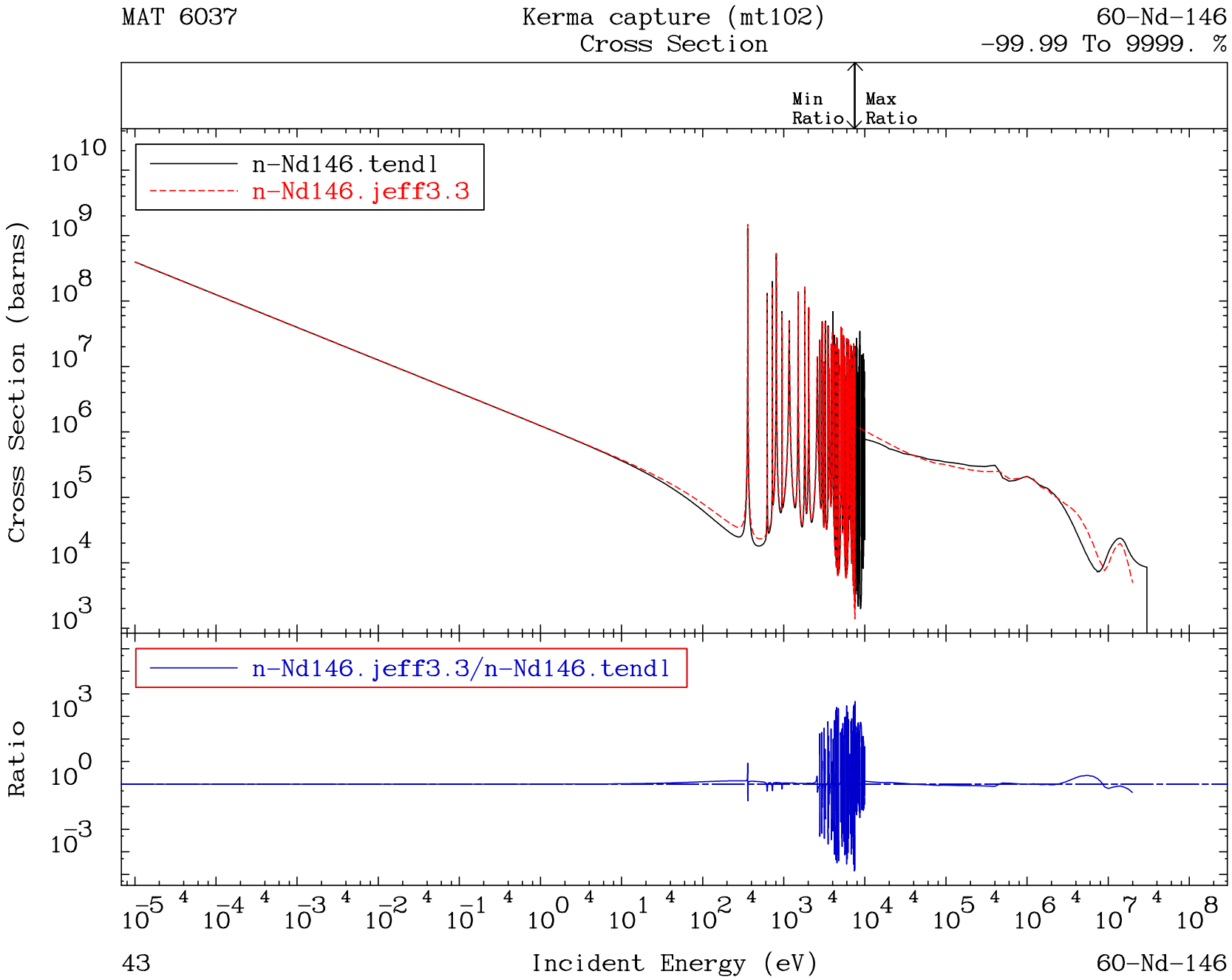

MAT 6037
Kerma total (eV-barns)
Cross Section
60-Nd-146
-99.98 To 9999. %
Min Ratio
Max Ratio
n-Nd146.tendl
n-Nd146.jeff3.3
Cross Section (barns)
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
38
Incident Energy (eV)
60-Nd-146

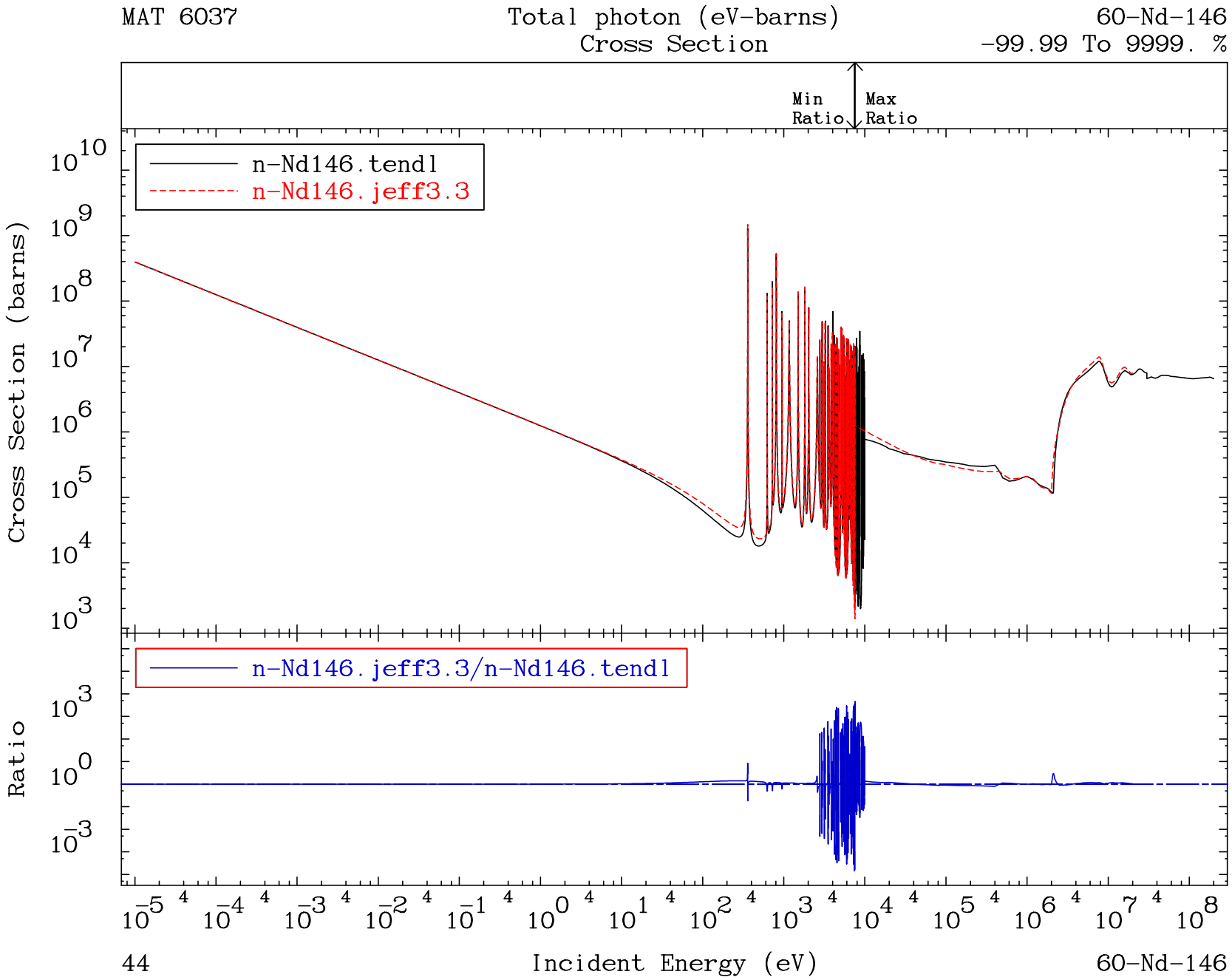

MAT 6037
Kerma elastic
Cross Section
60-Nd-146
-98.95 To 9999. %
Min Ratio
Max Ratio
n-Nd146.tendl
n-Nd146.jeff3.3
Cross Section (barns)
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
Incident Energy (eV)
39
60-Nd-146

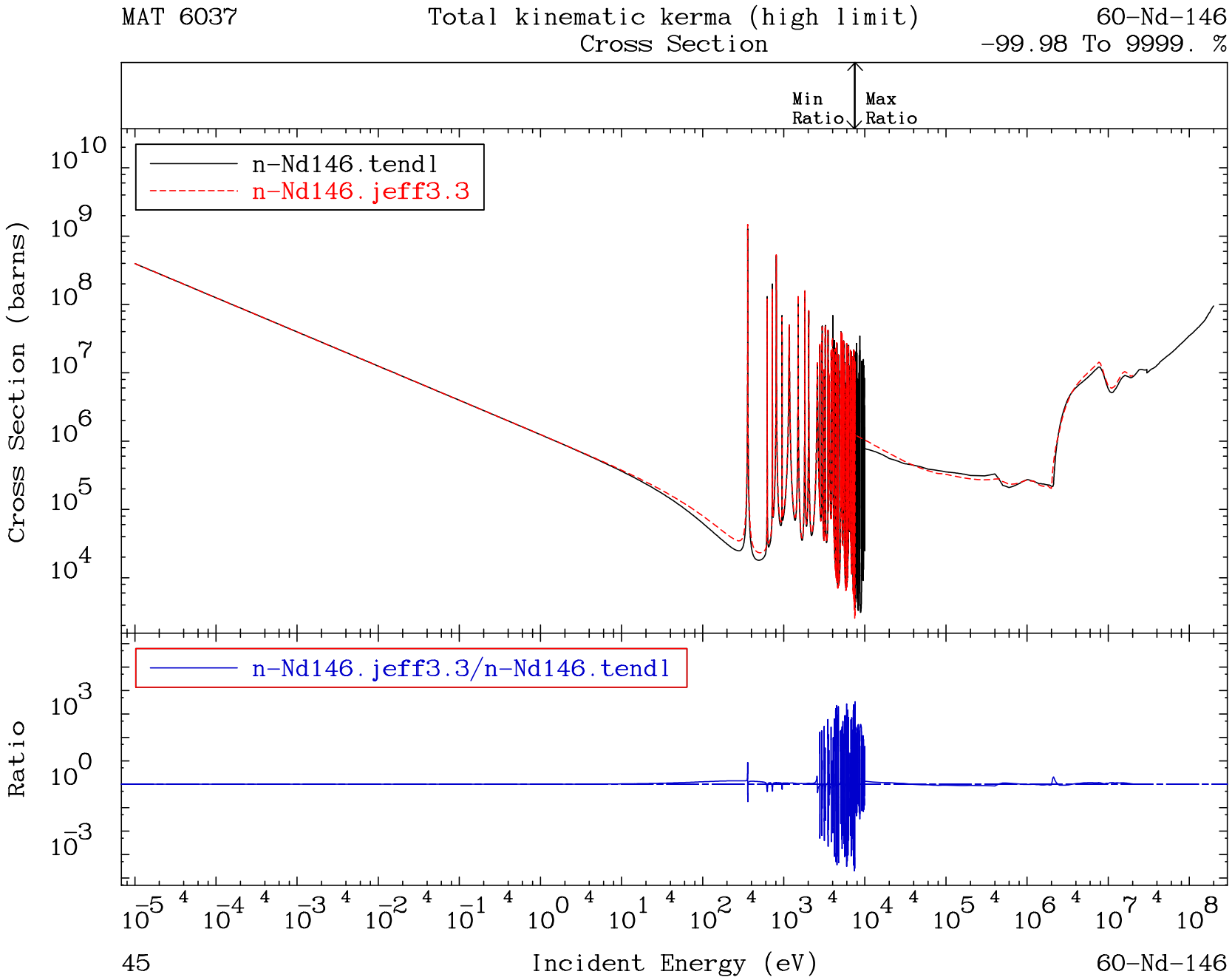

MAT 6037
Kerma non-elastic (all but mt2)
Cross Section
60-Nd-146
-99.99 To 9999. %
Min Ratio
Max Ratio
n-Nd146.tendl
n-Nd146.jeff3.3
Cross Section (barns)
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
Incident Energy (eV)
40
60-Nd-146

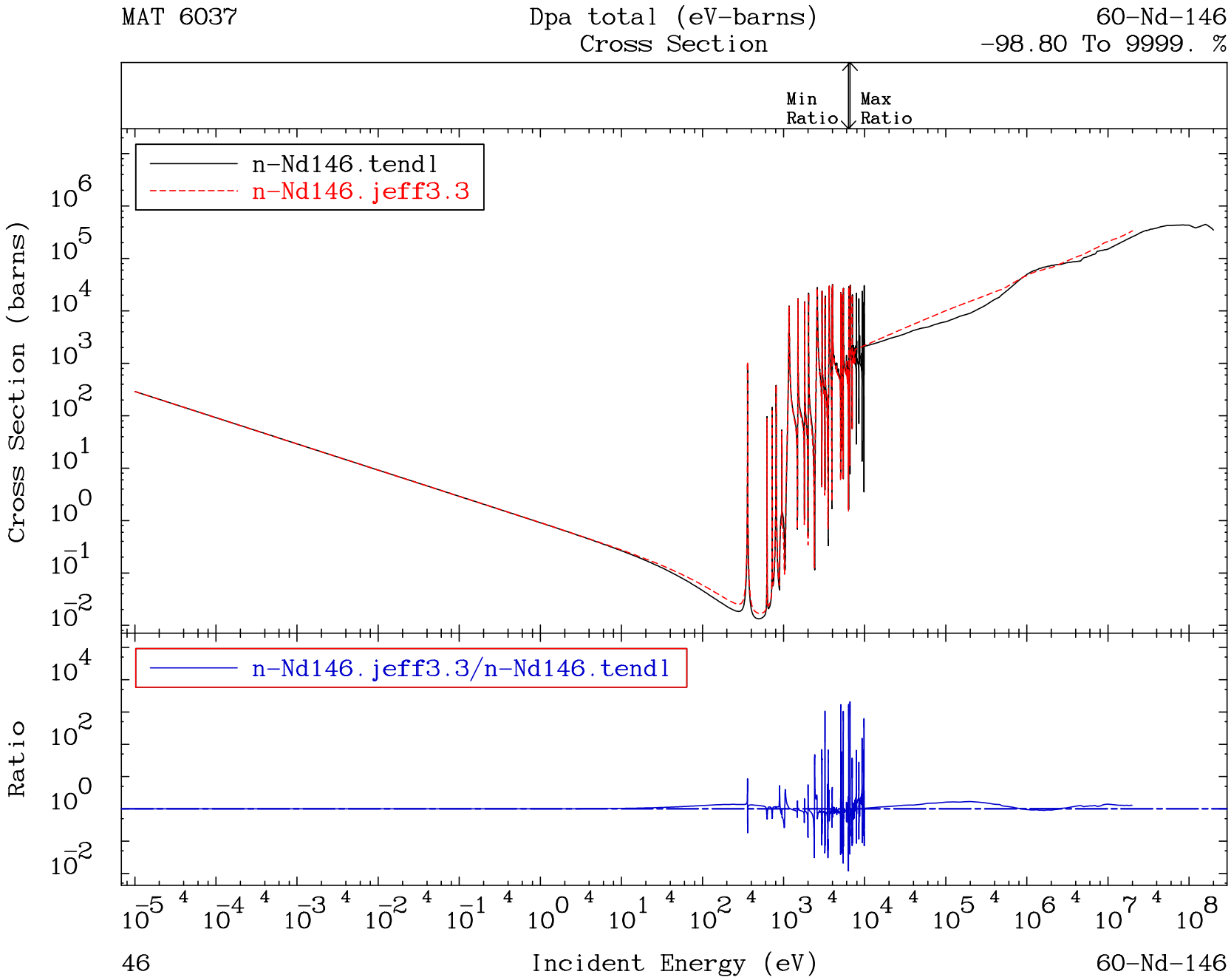

MAT 6037
Kerma inelastic (mt51-91)
Cross Section
60-Nd-146
-5.962 To 29.77 %
Min Ratio
Max Ratio
n-Nd146.tendl Threshold 456.91 keV
n-Nd146.jeff3.3 Threshold 500.00 keV
Cross Section (barns)
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
Incident Energy (eV)
41
60-Nd-146

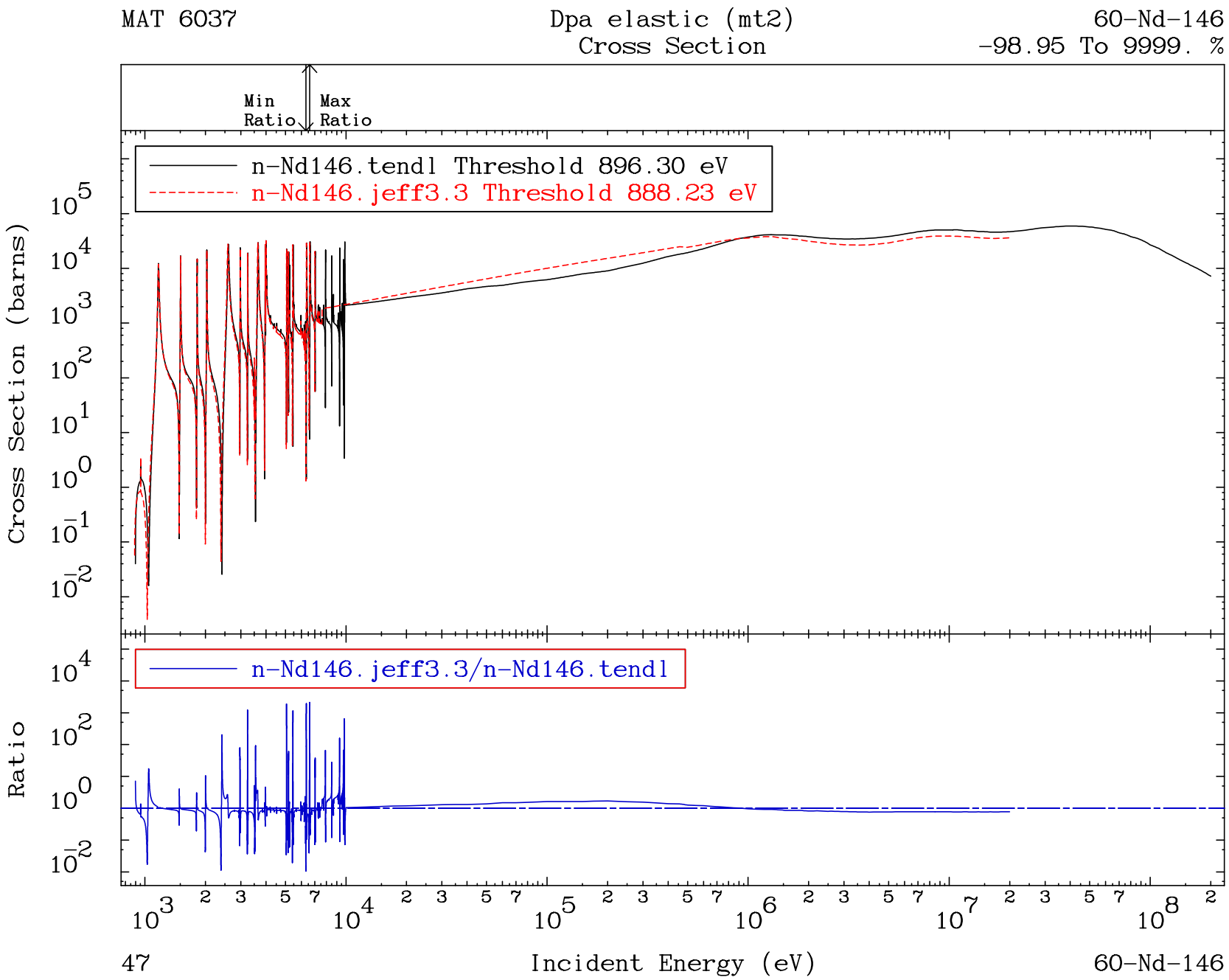

MAT 6037
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
60-Nd-146
-5.962 To 29.77 %
Min Ratio
Max Ratio
n-Nd146.tendl
n-Nd146.jeff3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
1.4
1.2
1.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
42
Incident Energy (eV)
60-Nd-146

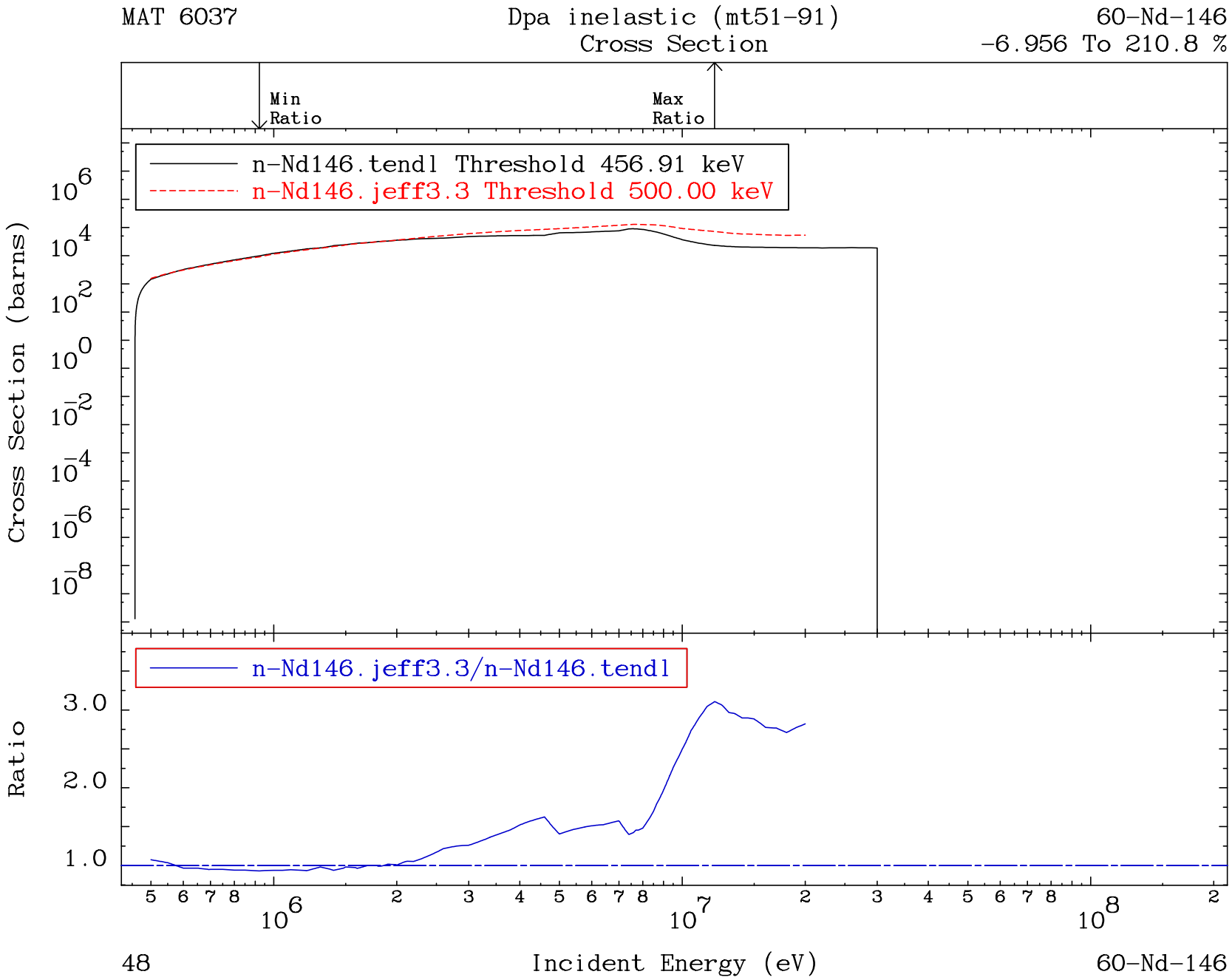

MAT 6037
Kerma capture (mt102)
Cross Section
60-Nd-146
-99.99 To 9999. %
Min Ratio
Max Ratio
n-Nd146.tendl
n-Nd146.jeff3.3
Cross Section (barns)
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
43
Incident Energy (eV)
60-Nd-146

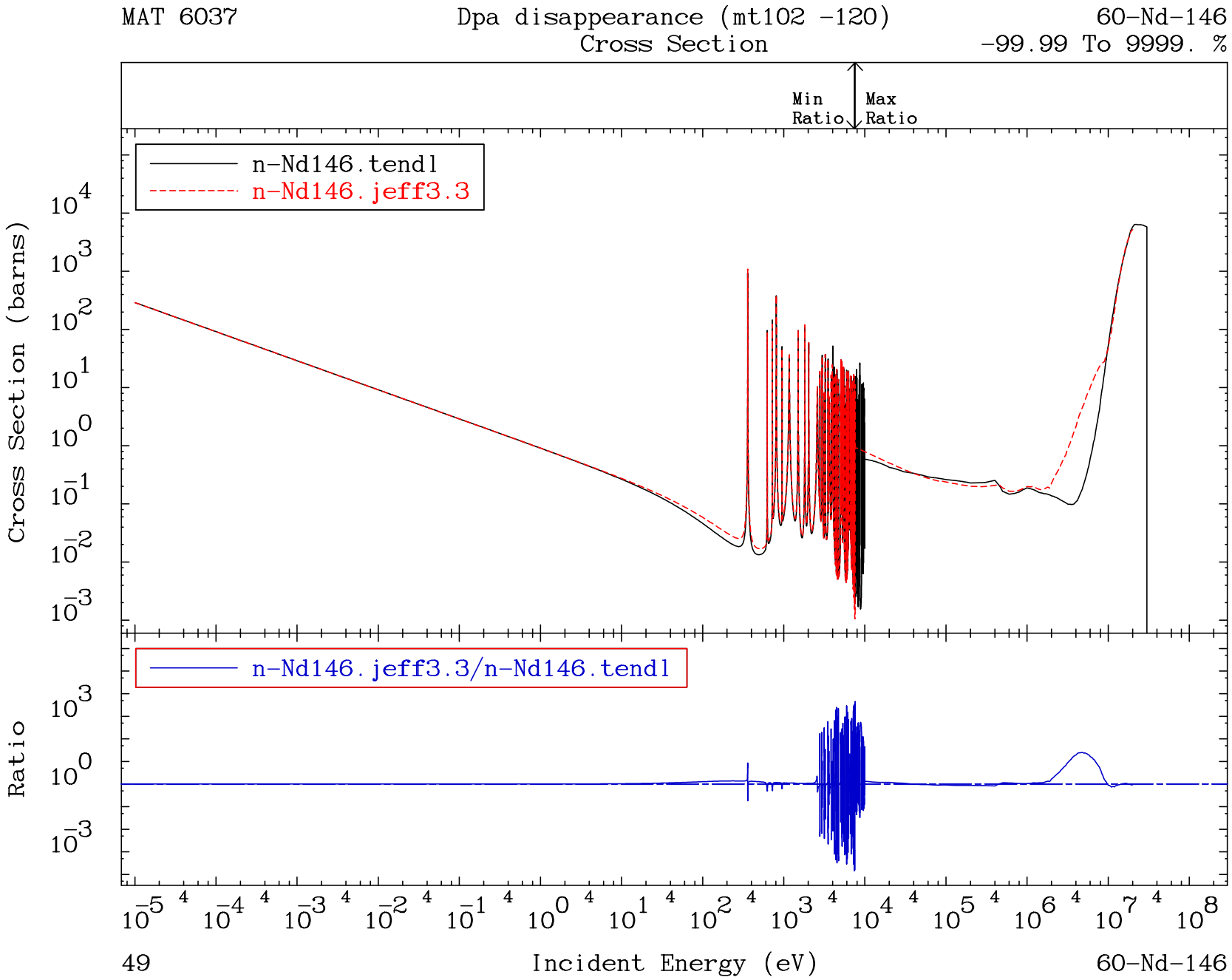

MAT 6037
Total photon (eV-barns)
Cross Section
60-Nd-146
-99.99 To 9999. %
Min Ratio
Max Ratio
n-Nd146.tendl
n-Nd146.jeff3.3
Cross Section (barns)
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
Incident Energy (eV)
44
60-Nd-146


MAT 6037
Total kinematic kerma (high limit)
Cross Section
60-Nd-146
-99.98 To 9999. %
Min Ratio
Max Ratio
n-Nd146.tendl
n-Nd146.jeff3.3
Cross Section (barns)
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
Incident Energy (eV)
45
60-Nd-146


MAT 6037
Dpa total (eV-barns)
Cross Section
60-Nd-146
-98.80 To 9999. %
Min Ratio
Max Ratio
n-Nd146.tendl
n-Nd146.jeff3.3
Cross Section (barns)
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
Incident Energy (eV)
46
60-Nd-146


MAT 6037
Dpa elastic (mt2)
Cross Section
60-Nd-146
-98.95 To 9999. %
Min Ratio
Max Ratio
n-Nd146.tendl Threshold 896.30 eV
n-Nd146.jeff3.3 Threshold 888.23 eV
Cross Section (barns)
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
Incident Energy (eV)
47
60-Nd-146


MAT 6037
Dpa inelastic (mt51-91)
Cross Section
60-Nd-146
-6.956 To 210.8 %
Min Ratio
Max Ratio
n-Nd146.tendl Threshold 456.91 keV
n-Nd146.jeff3.3 Threshold 500.00 keV
Cross Section (barns)
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
Incident Energy (eV)
48
60-Nd-146


MAT 6037
Dpa disappearance (mt102 -120)
Cross Section
60-Nd-146
-99.99 To 9999. %
Min Ratio
Max Ratio
n-Nd146.tendl
n-Nd146.jeff3.3
Cross Section (barns)
n-Nd146.jeff3.3/n-Nd146.tendl
Ratio
Incident Energy (eV)
49
60-Nd-146