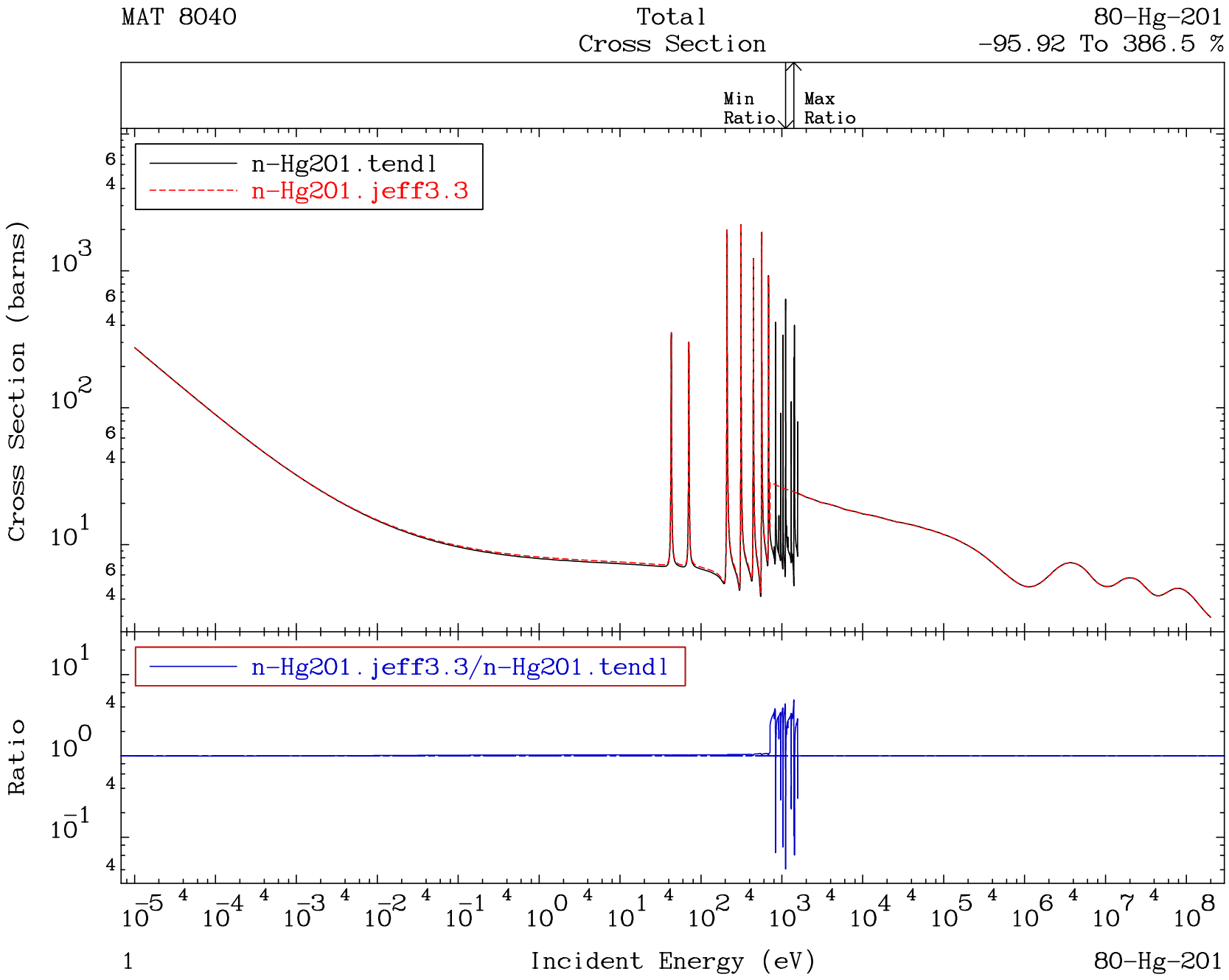
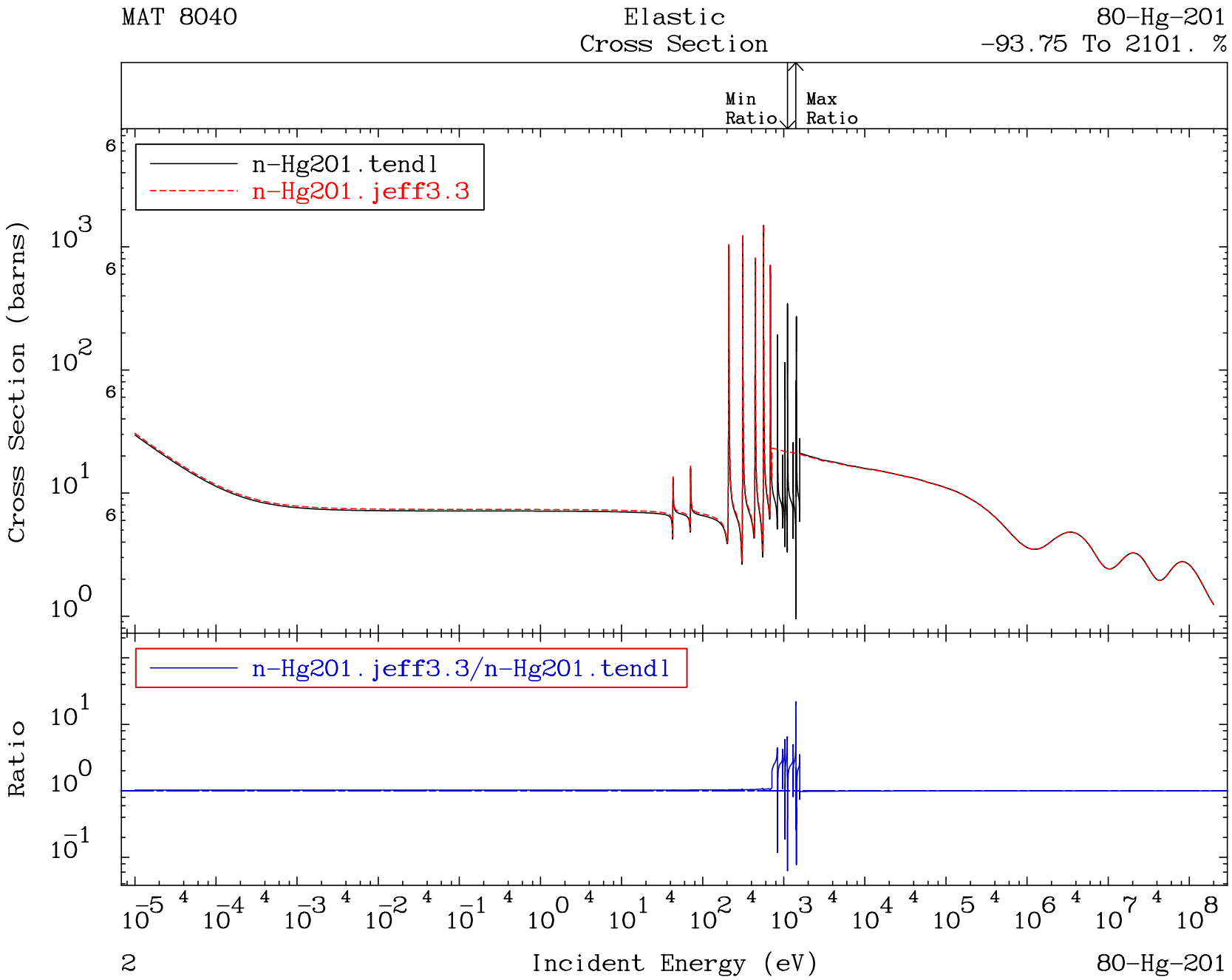
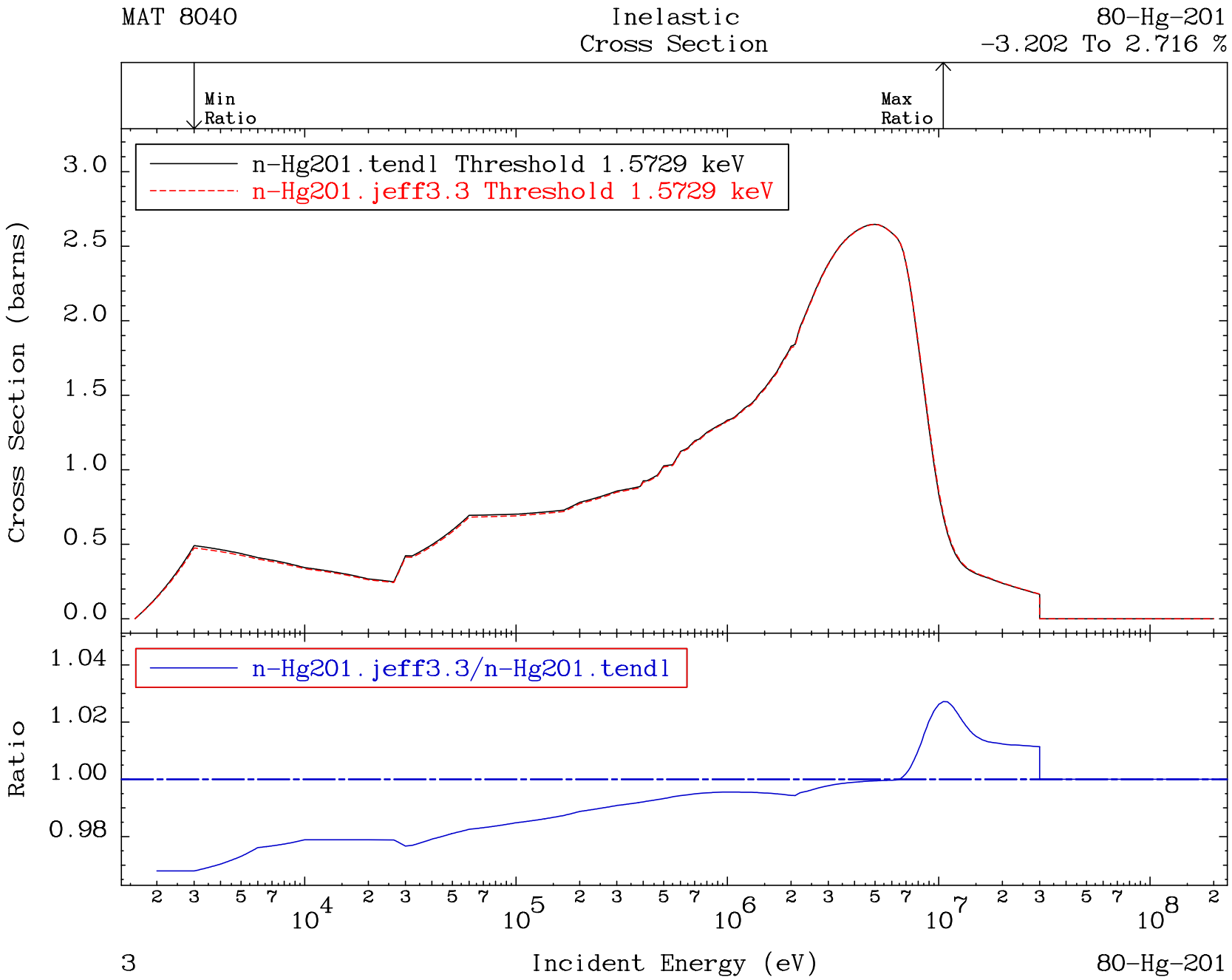
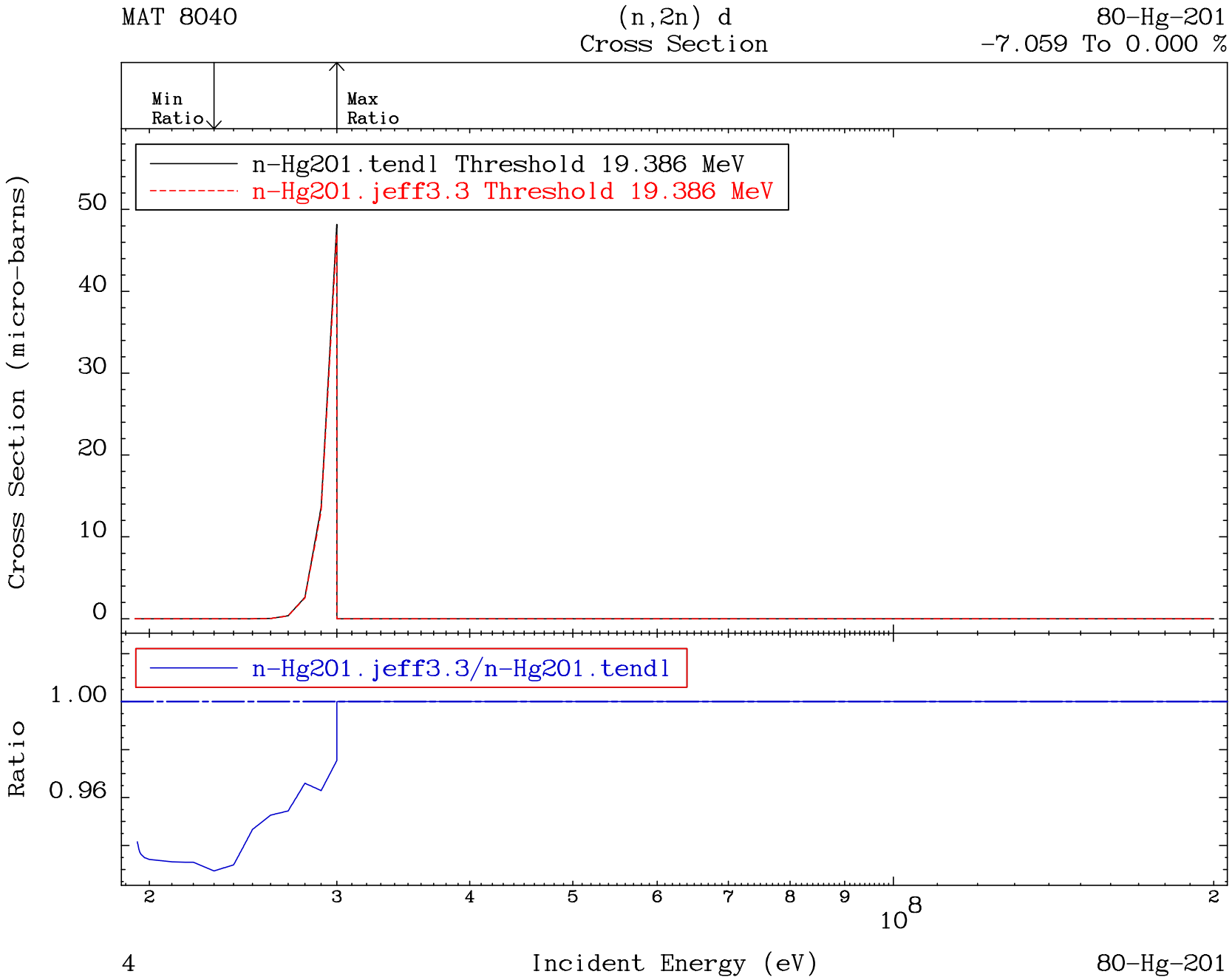
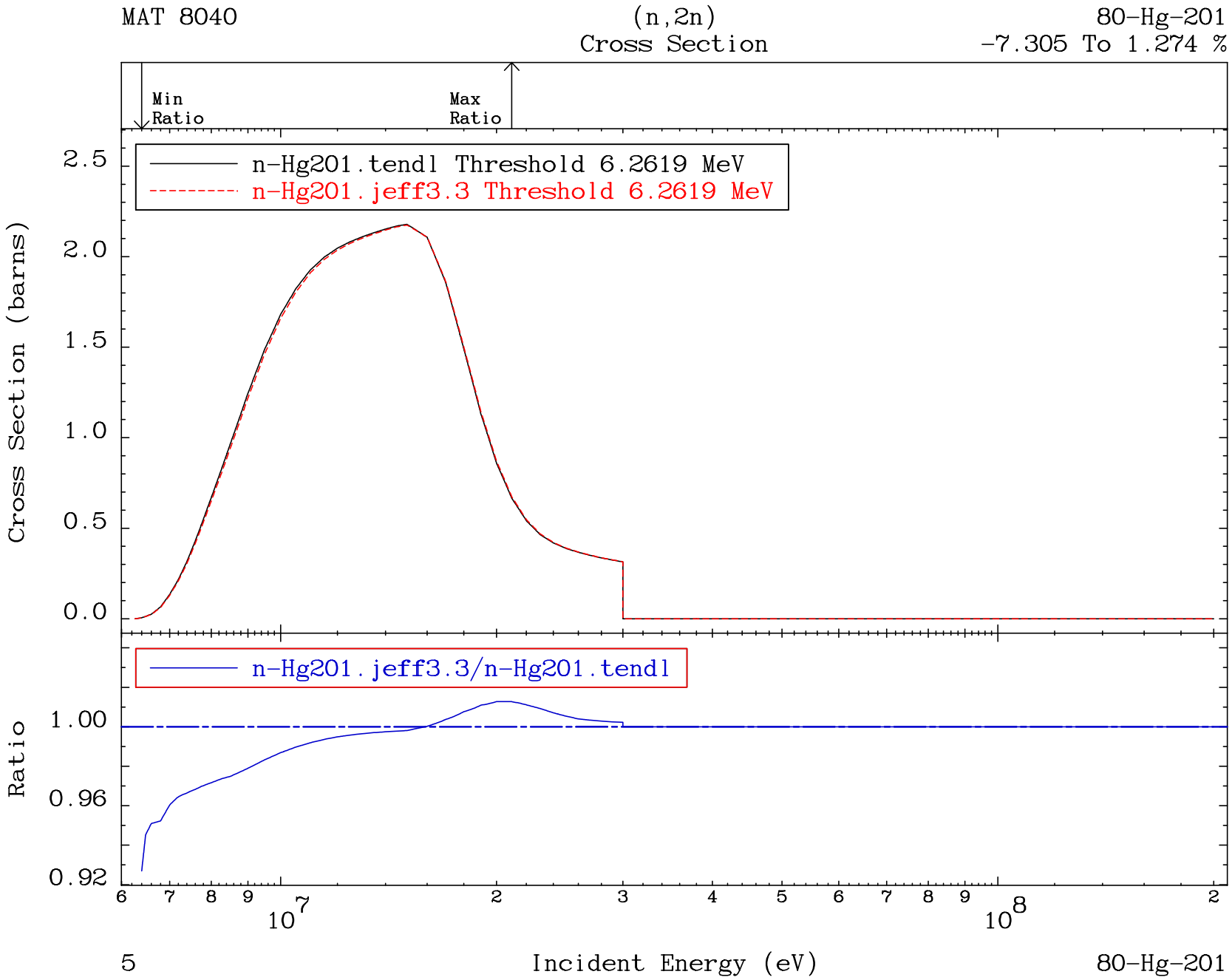
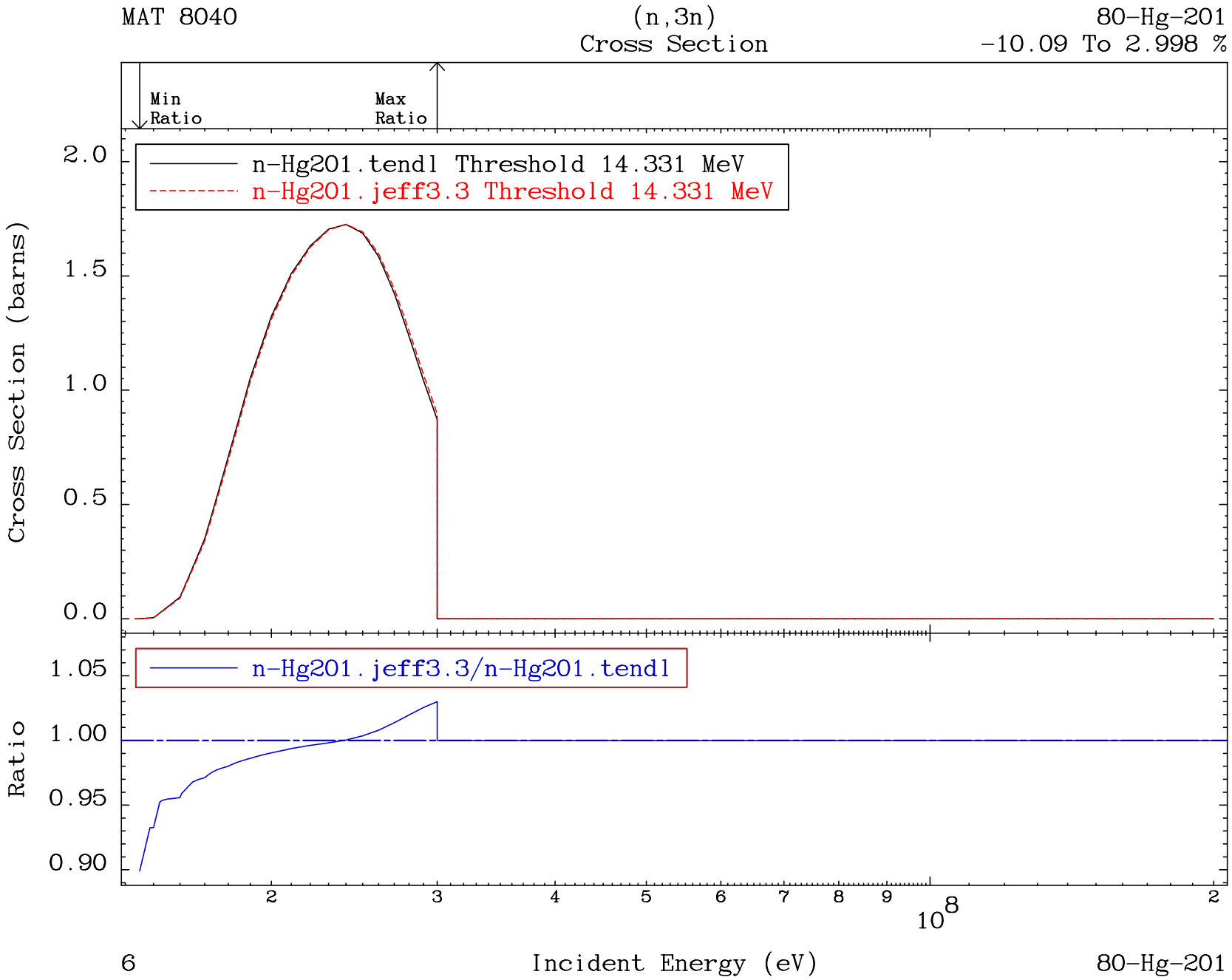

MAT 8040
Total
Cross Section
80-Hg-201
-95.92 To 386.5 %
Min
Ratio
Max
Ratio
n-Hg201.tendl
n-Hg201.jeff3.3
Cross Section (barns)
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
Incident Energy (eV)
1
80-Hg-201

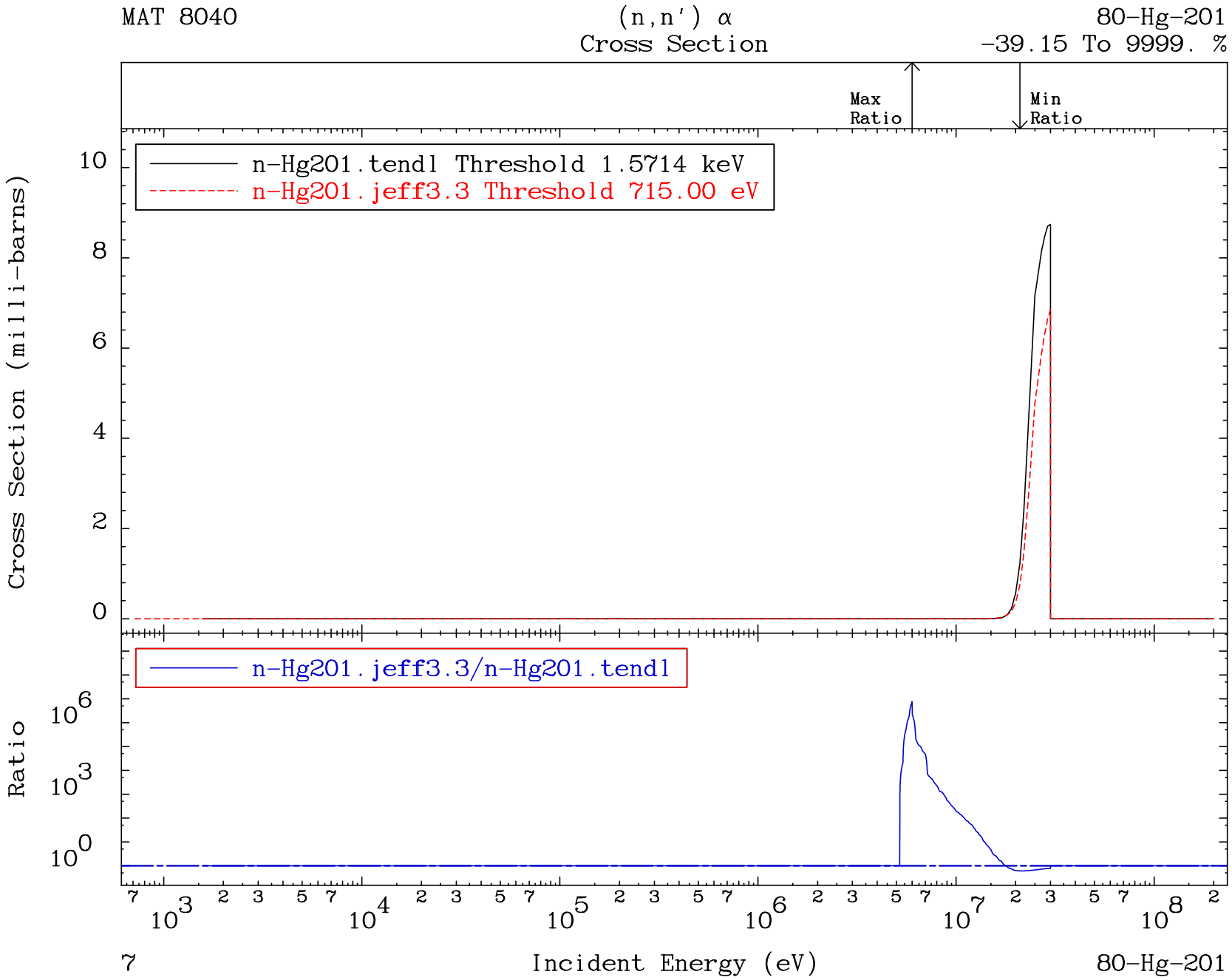

MAT 8040
Elastic
Cross Section
80-Hg-201
-93.75 To 2101. %
Min Ratio
Max Ratio
n-Hg201.tendl
n-Hg201.jeff3.3
Cross Section (barns)
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
Incident Energy (eV)
2
80-Hg-201

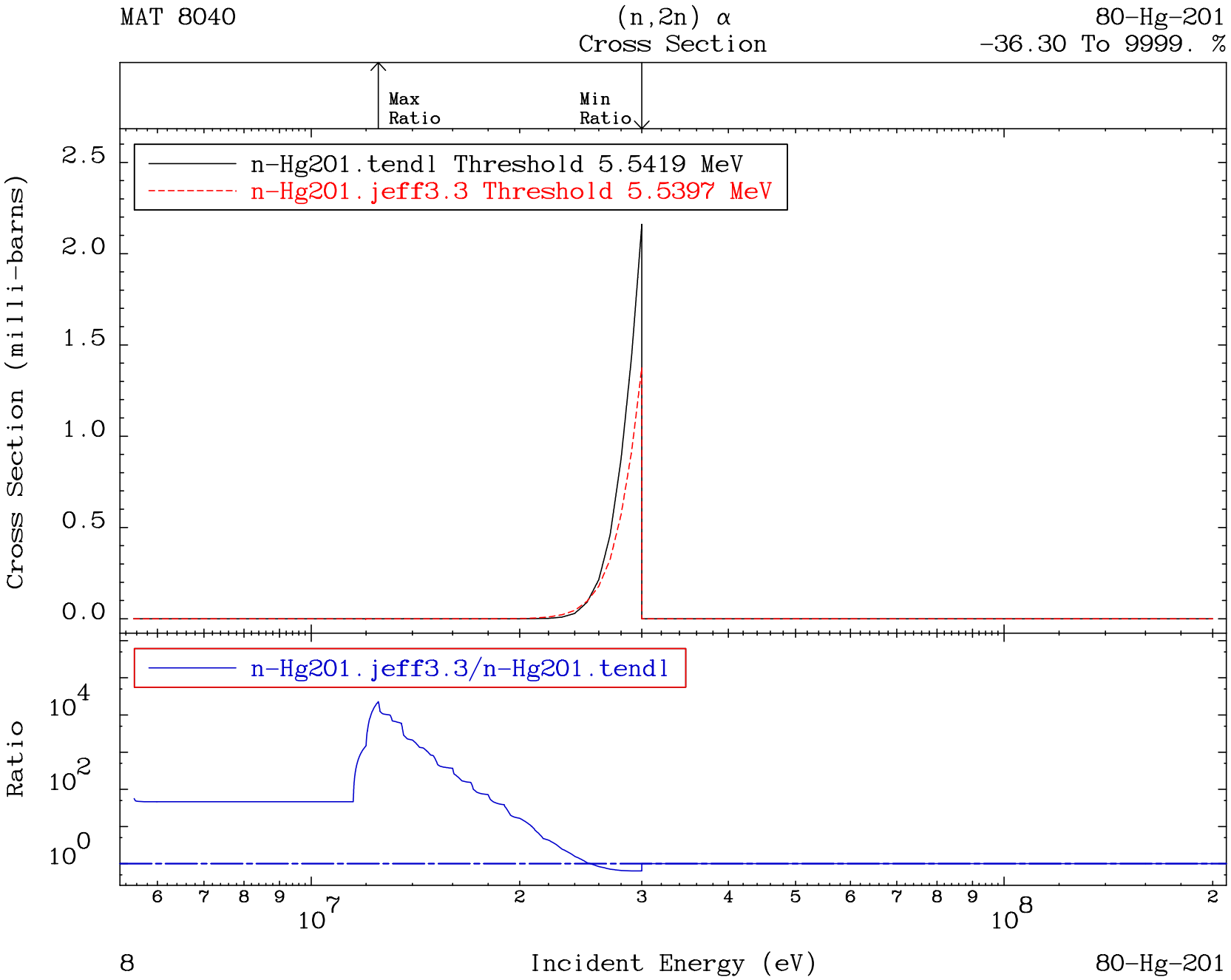

MAT 8040
Inelastic
Cross Section
80-Hg-201
-3.202 To 2.716 %
Min
Ratio
Max
Ratio
n-Hg201.tendl Threshold 1.5729 keV
n-Hg201.jeff3.3 Threshold 1.5729 keV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.04
1.02
1.00
0.98
2 3 5 7 10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
3
Incident Energy (eV)
80-Hg-201

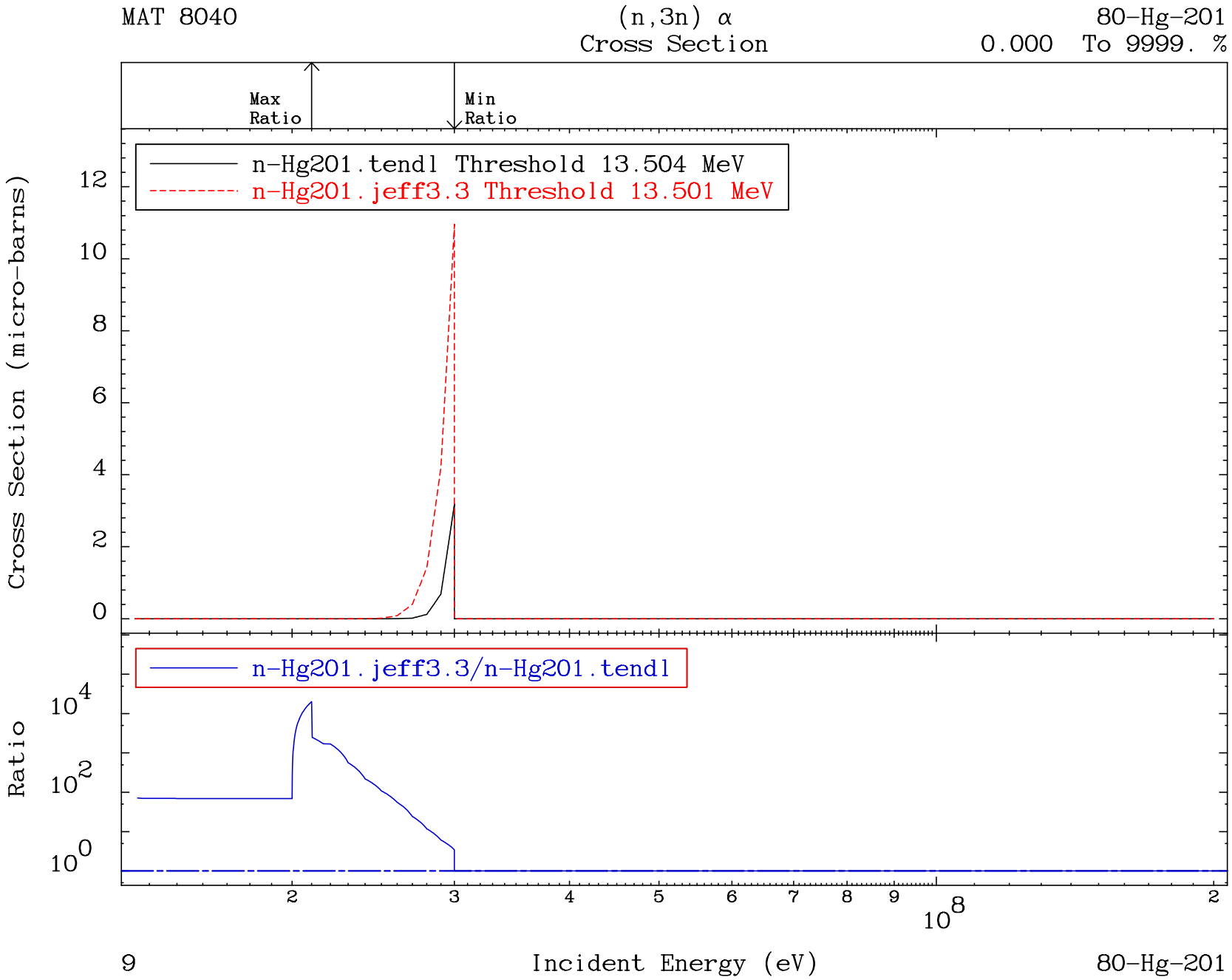

MAT 8040
(n,2n) d
Cross Section
80-Hg-201
-7.059 To 0.000 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 19.386 MeV
n-Hg201.jeff3.3 Threshold 19.386 MeV
Cross Section (micro-barns)
50
40
30
20
10
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.00
0.96
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
80-Hg-201

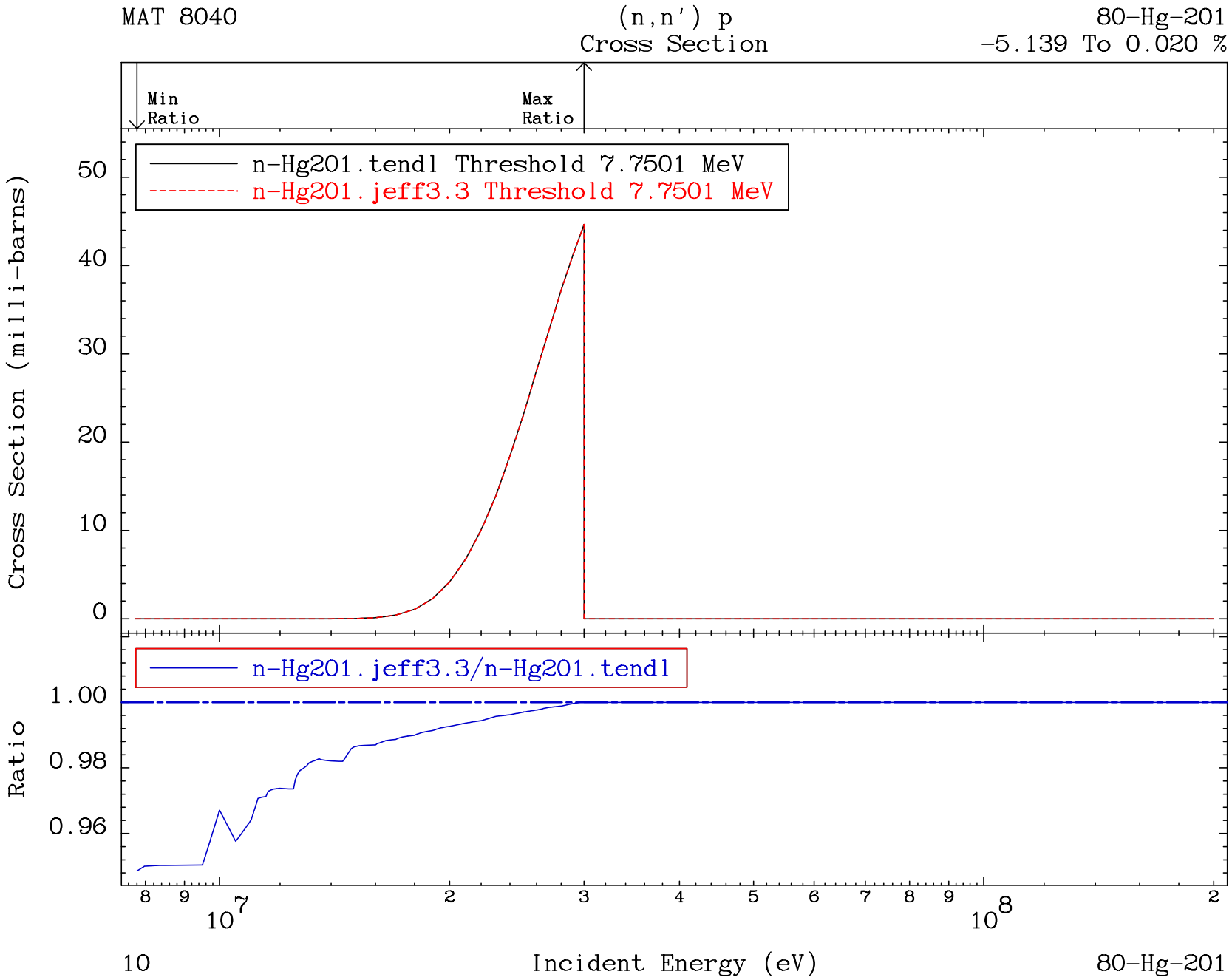

MAT 8040
(n,2n)
Cross Section
80-Hg-201
-7.305 To 1.274 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 6.2619 MeV
n-Hg201.jeff3.3 Threshold 6.2619 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.00
0.96
0.92
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
5
Incident Energy (eV)
80-Hg-201

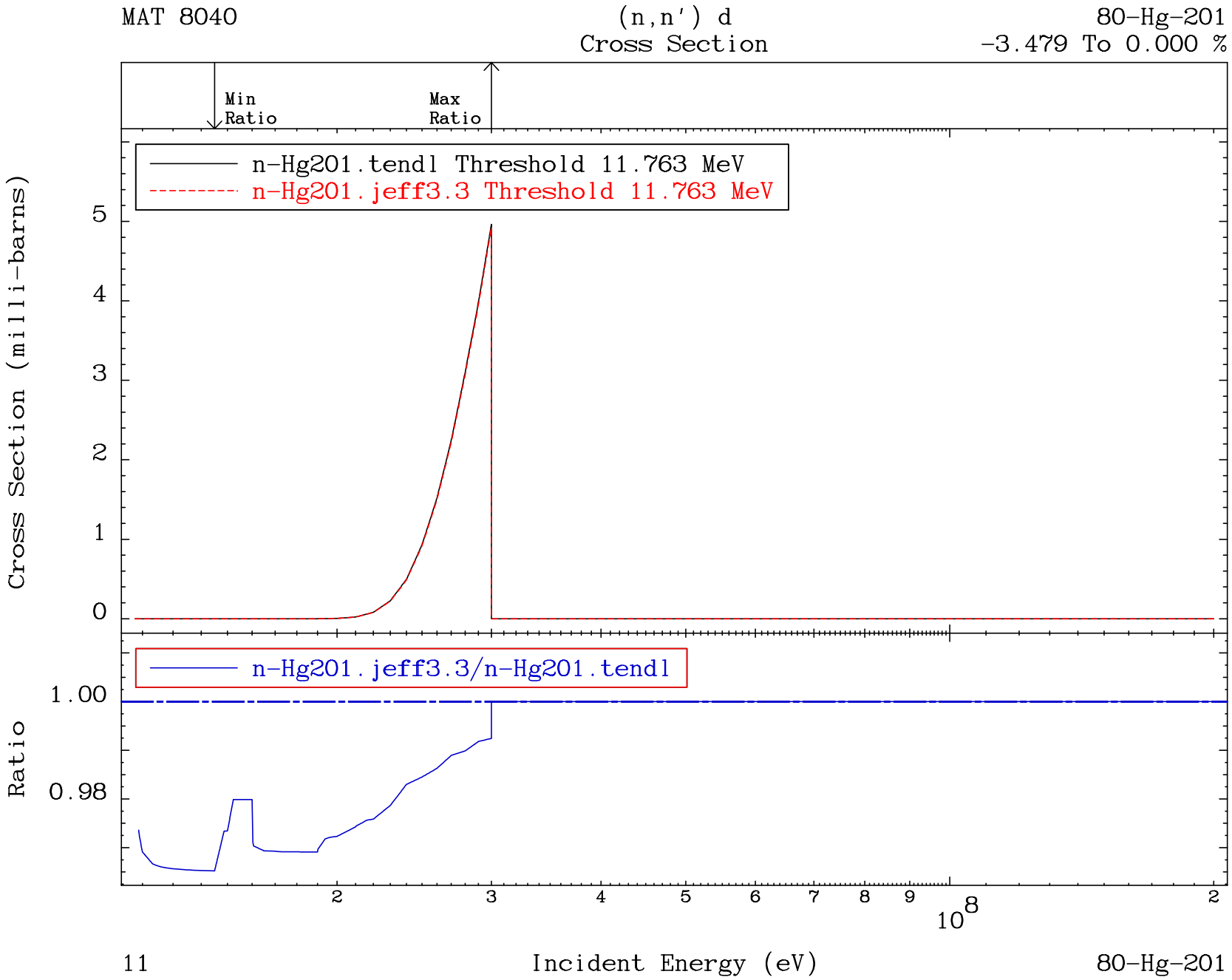

MAT 8040
(n,3n)
Cross Section
80-Hg-201
-10.09 To 2.998 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 14.331 MeV
n-Hg201.jeff3.3 Threshold 14.331 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.05
1.00
0.95
0.90
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
80-Hg-201

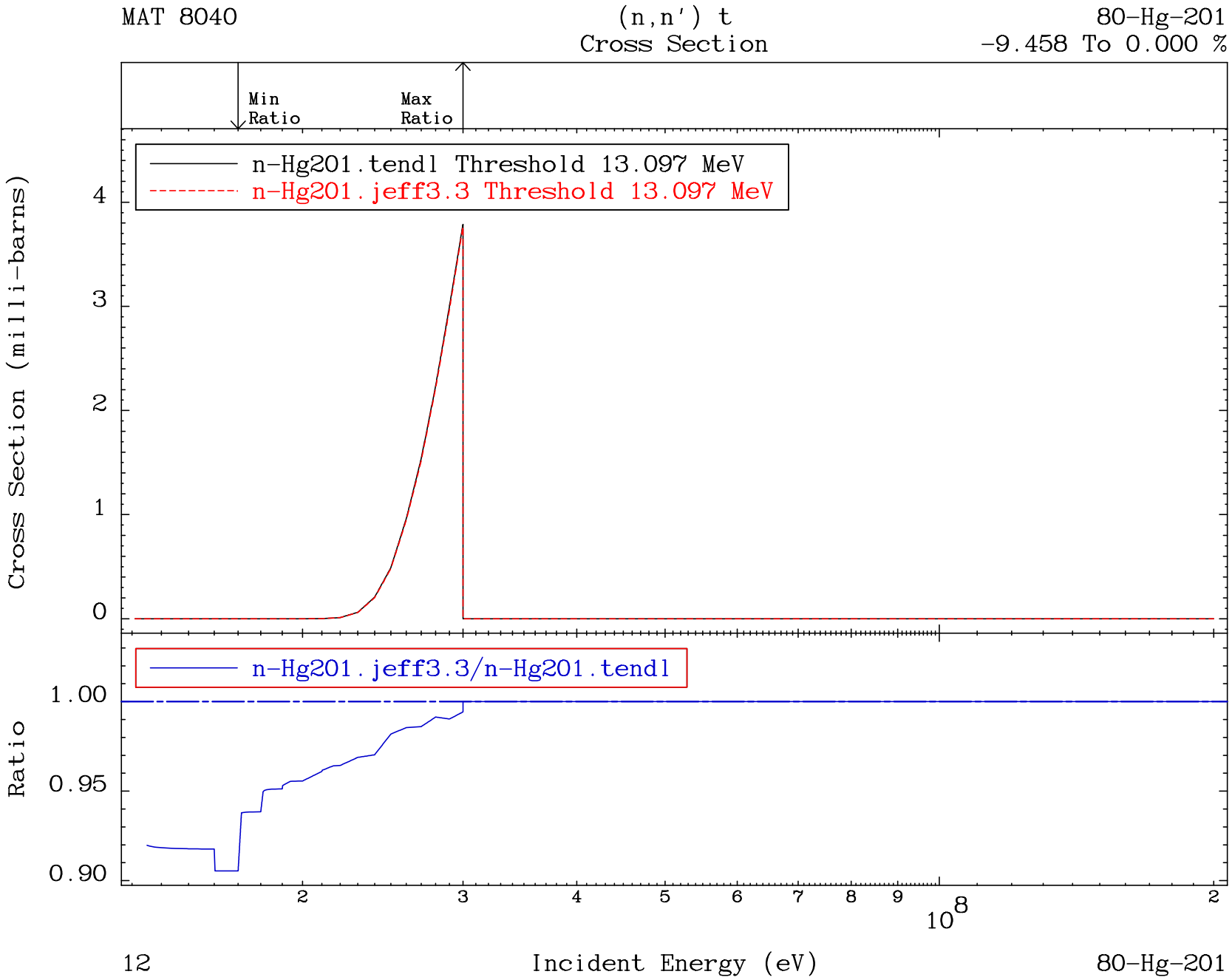

MAT 8040
(n,n') α
Cross Section
80-Hg-201
-39.15 To 9999. %
Max Ratio
Min Ratio
n-Hg201.tendl Threshold 1.5714 keV
n-Hg201.jeff3.3 Threshold 715.00 eV
Cross Section (milli-barns)
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
Incident Energy (eV)
80-Hg-201

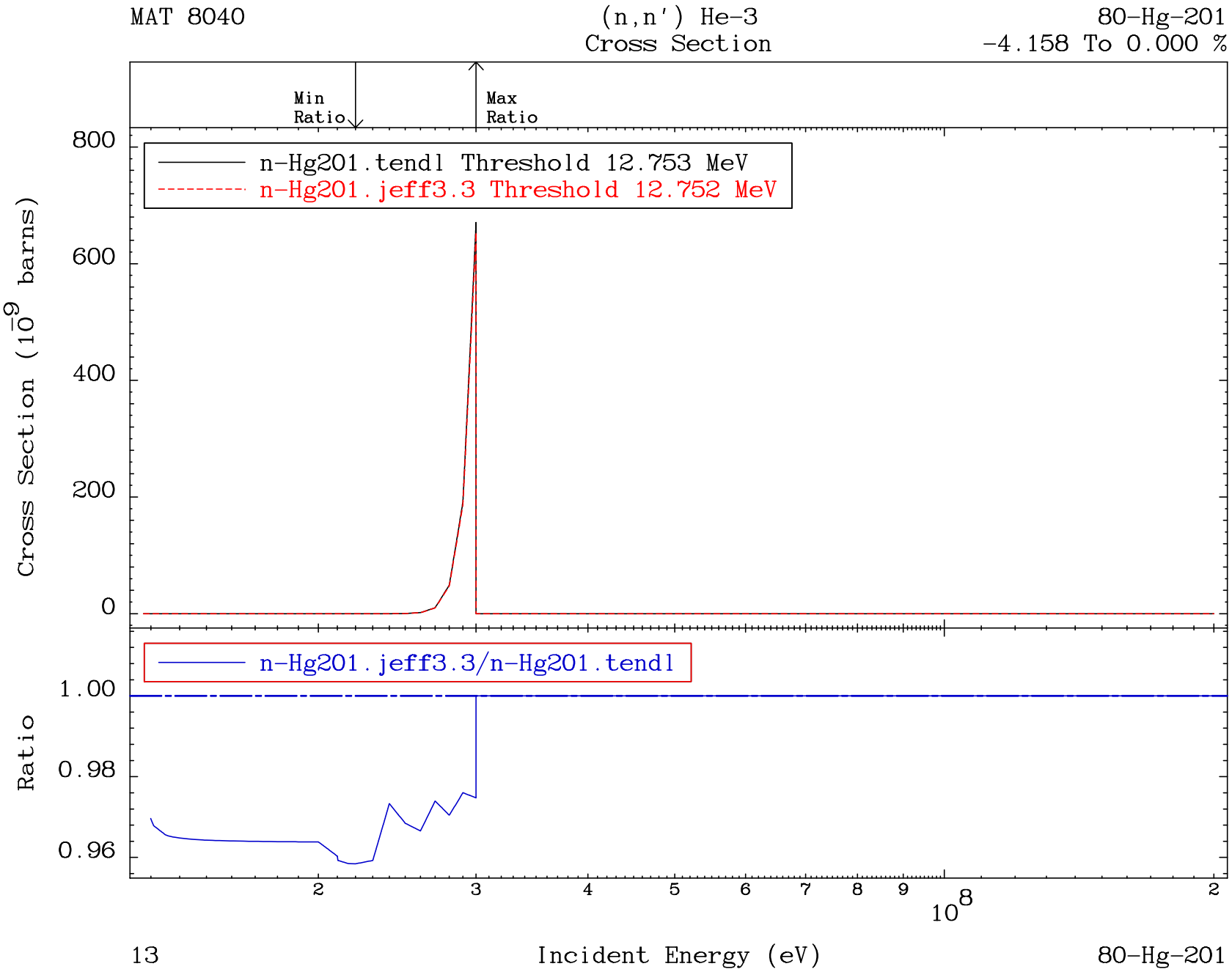

MAT 8040
(n,2n) α
Cross Section
80-Hg-201
-36.30 To 9999. %
Max Ratio
Min Ratio
n-Hg201.tendl Threshold 5.5419 MeV
n-Hg201.jeff3.3 Threshold 5.5397 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
10^4
10^2
10^0
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
8
Incident Energy (eV)
80-Hg-201

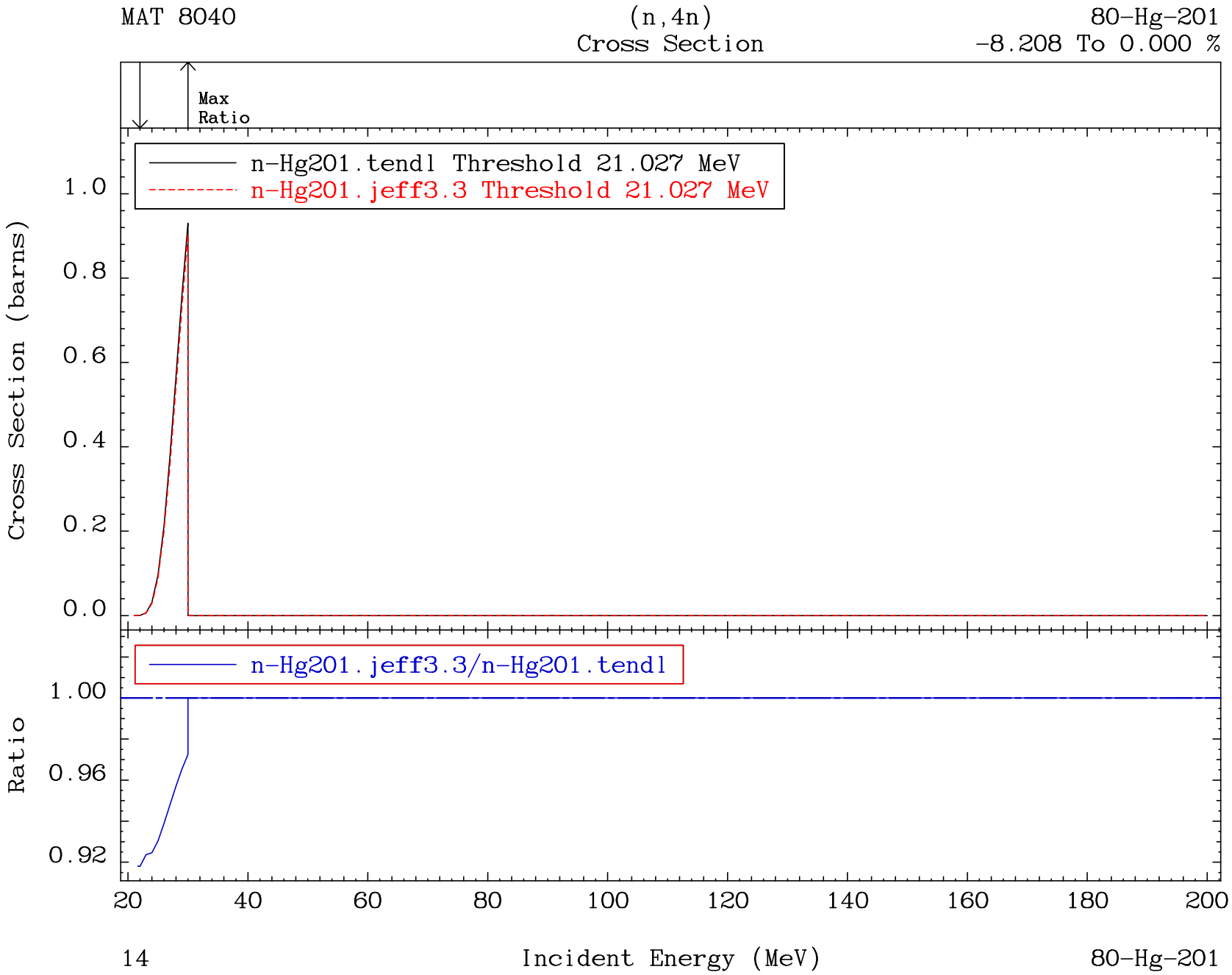

MAT 8040
(n,3n) α
Cross Section
80-Hg-201
0.000 To 9999. %
Max Ratio
Min Ratio
n-Hg201.tendl Threshold 13.504 MeV
n-Hg201.jeff3.3 Threshold 13.501 MeV
Cross Section (micro-barns)
0
2
4
6
8
10
12
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
10^0
10^2
10^4
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
80-Hg-201

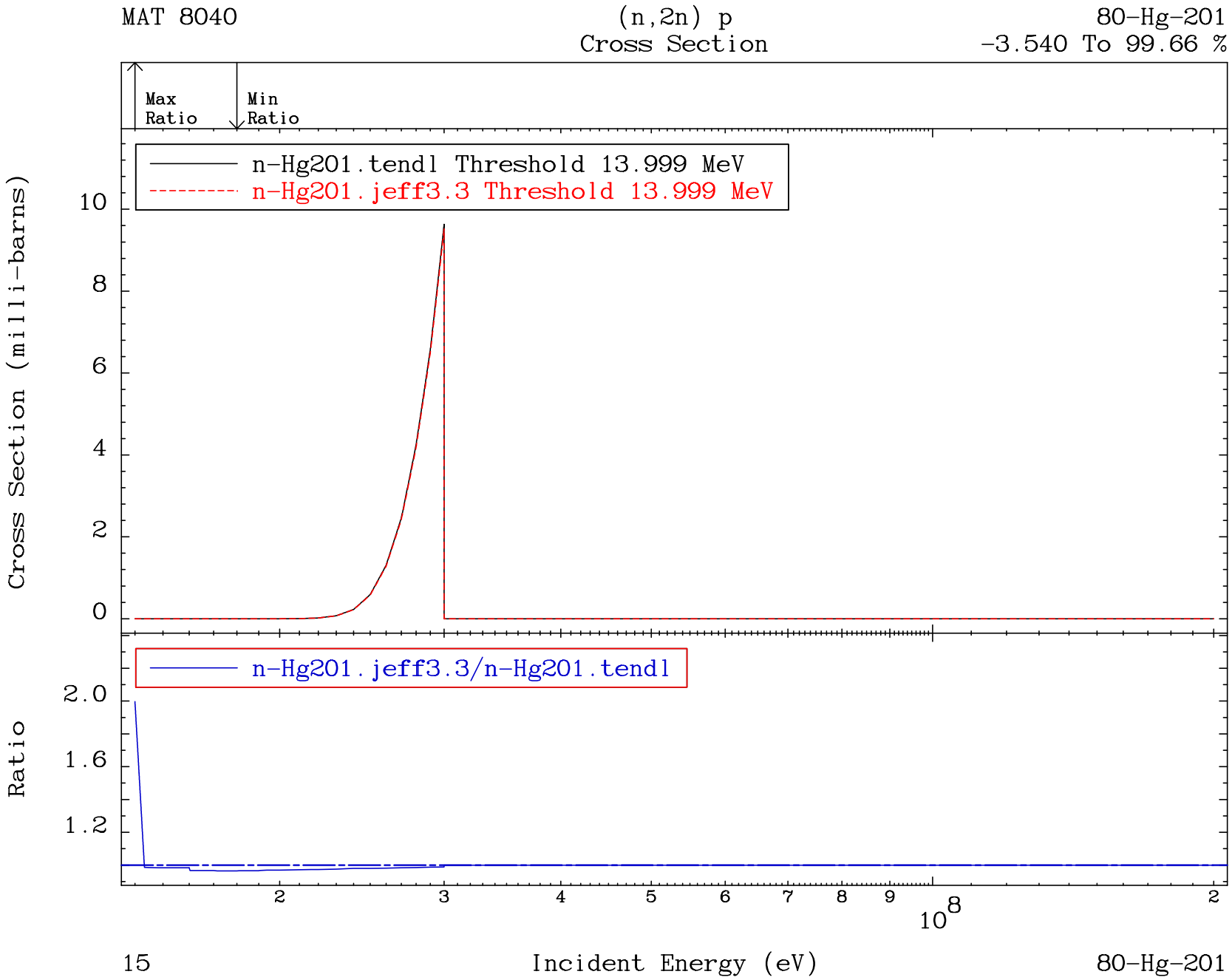

MAT 8040
(n,n') p
Cross Section
80-Hg-201
-5.139 To 0.020 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 7.7501 MeV
n-Hg201.jeff3.3 Threshold 7.7501 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.00
0.98
0.96
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
10
Incident Energy (eV)
80-Hg-201

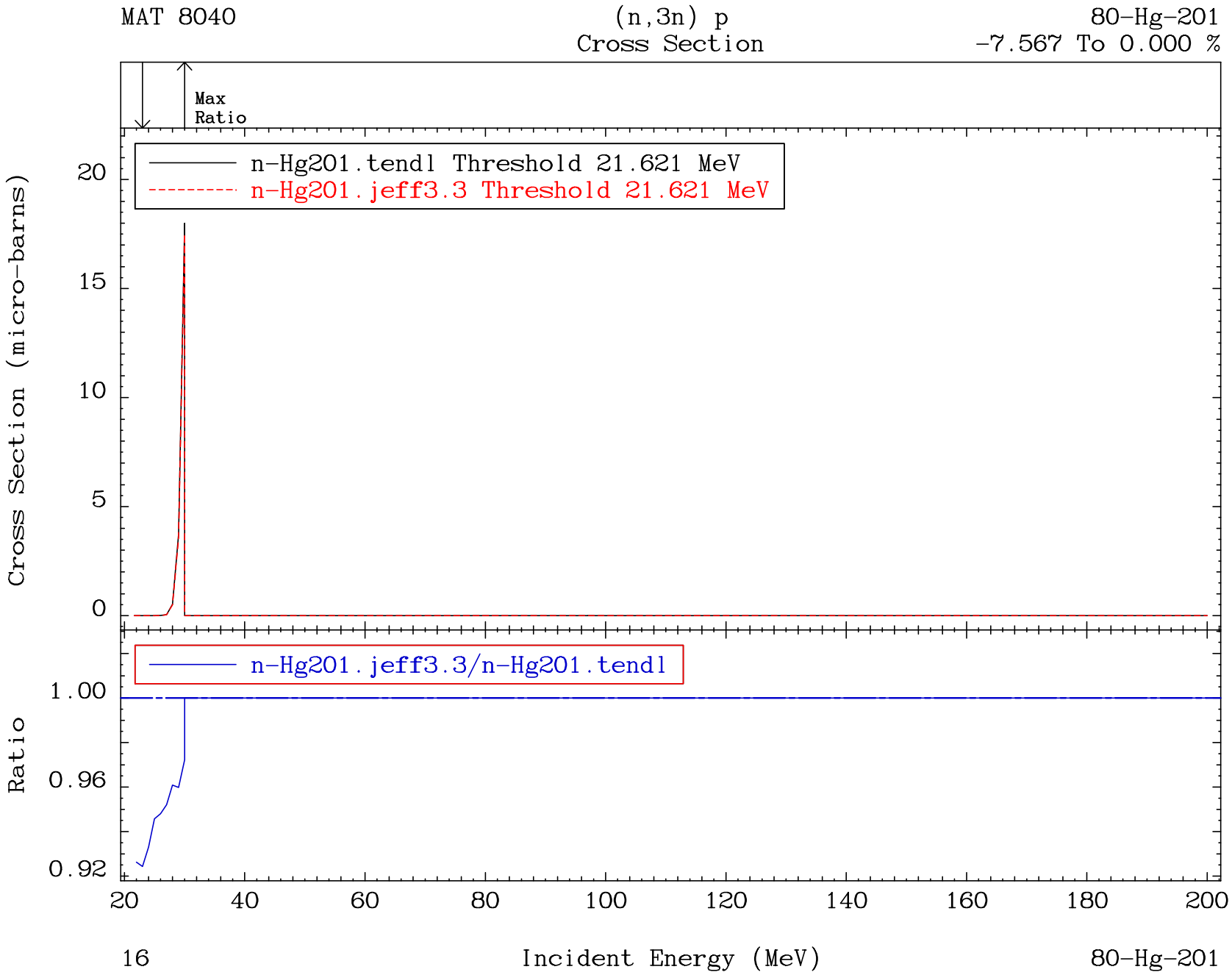

MAT 8040
(n,n') d
Cross Section
80-Hg-201
-3.479 To 0.000 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 11.763 MeV
n-Hg201.jeff3.3 Threshold 11.763 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.00
0.98
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
80-Hg-201

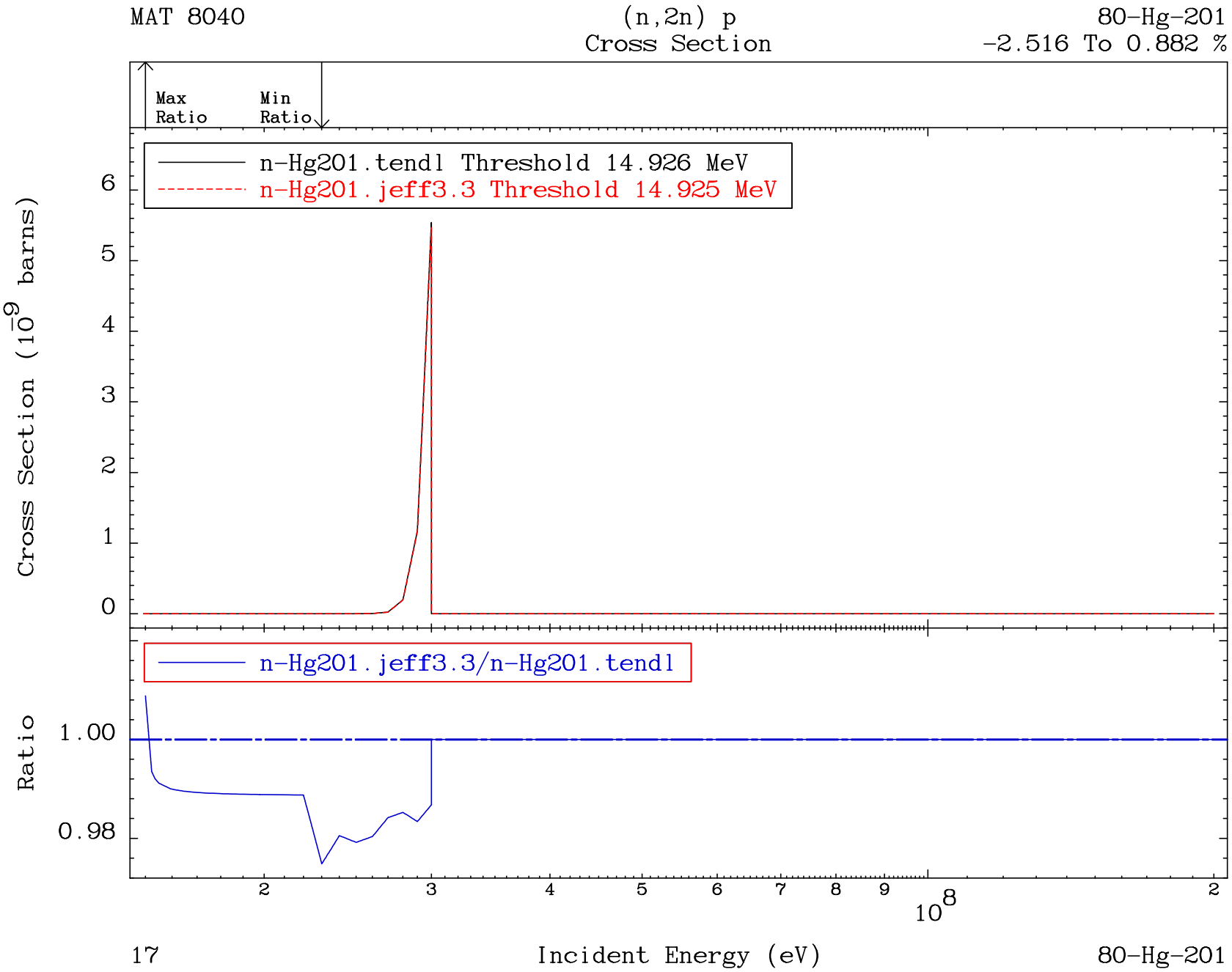

MAT 8040
(n,n') t
Cross Section
80-Hg-201
-9.458 To 0.000 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 13.097 MeV
n-Hg201.jeff3.3 Threshold 13.097 MeV
Cross Section (milli-barns)
0
1
2
3
4
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.00
0.95
0.90
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
80-Hg-201

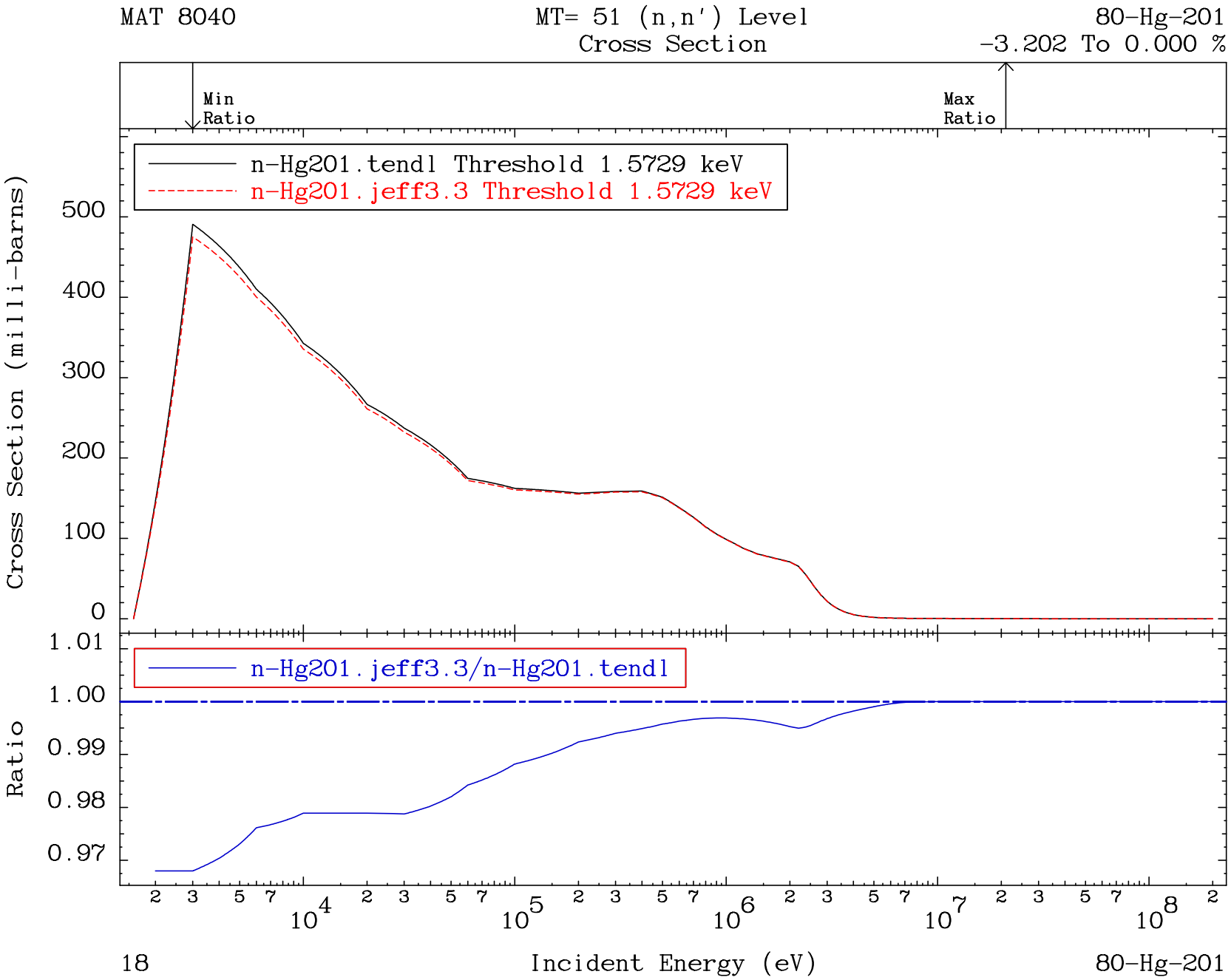

MAT 8040
(n,n') He-3
Cross Section
80-Hg-201
-4.158 To 0.000 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 12.753 MeV
n-Hg201.jeff3.3 Threshold 12.752 MeV
Cross Section (10^{-9} barns)
800
600
400
200
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.00
0.98
0.96
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
80-Hg-201

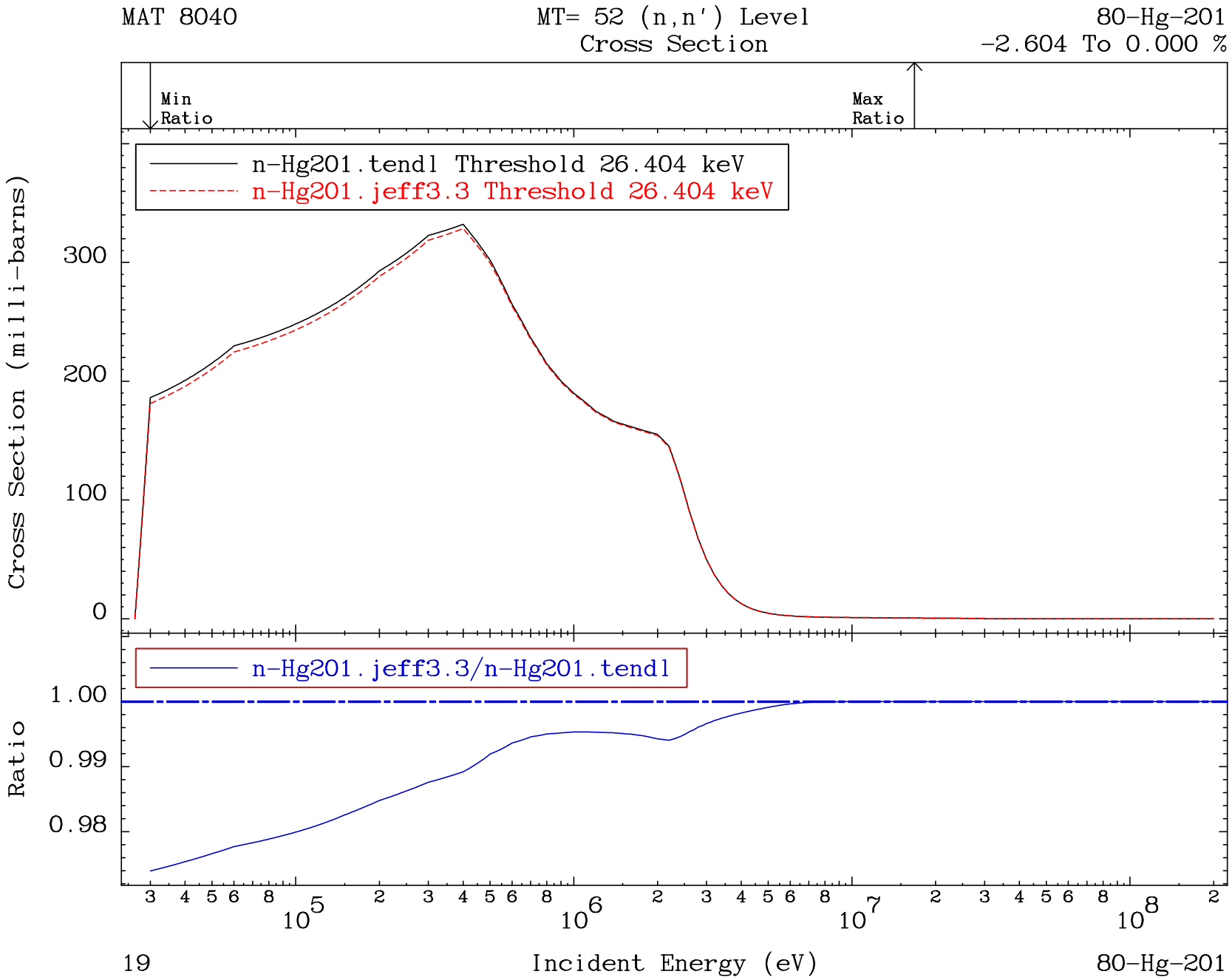

MAT 8040
(n,4n)
Cross Section
80-Hg-201
-8.208 To 0.000 %
Max
Ratio
n-Hg201.tendl Threshold 21.027 MeV
n-Hg201.jeff3.3 Threshold 21.027 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.00
0.96
0.92
20
40
60
80
100
120
140
160
180
200
14
Incident Energy (MeV)
80-Hg-201

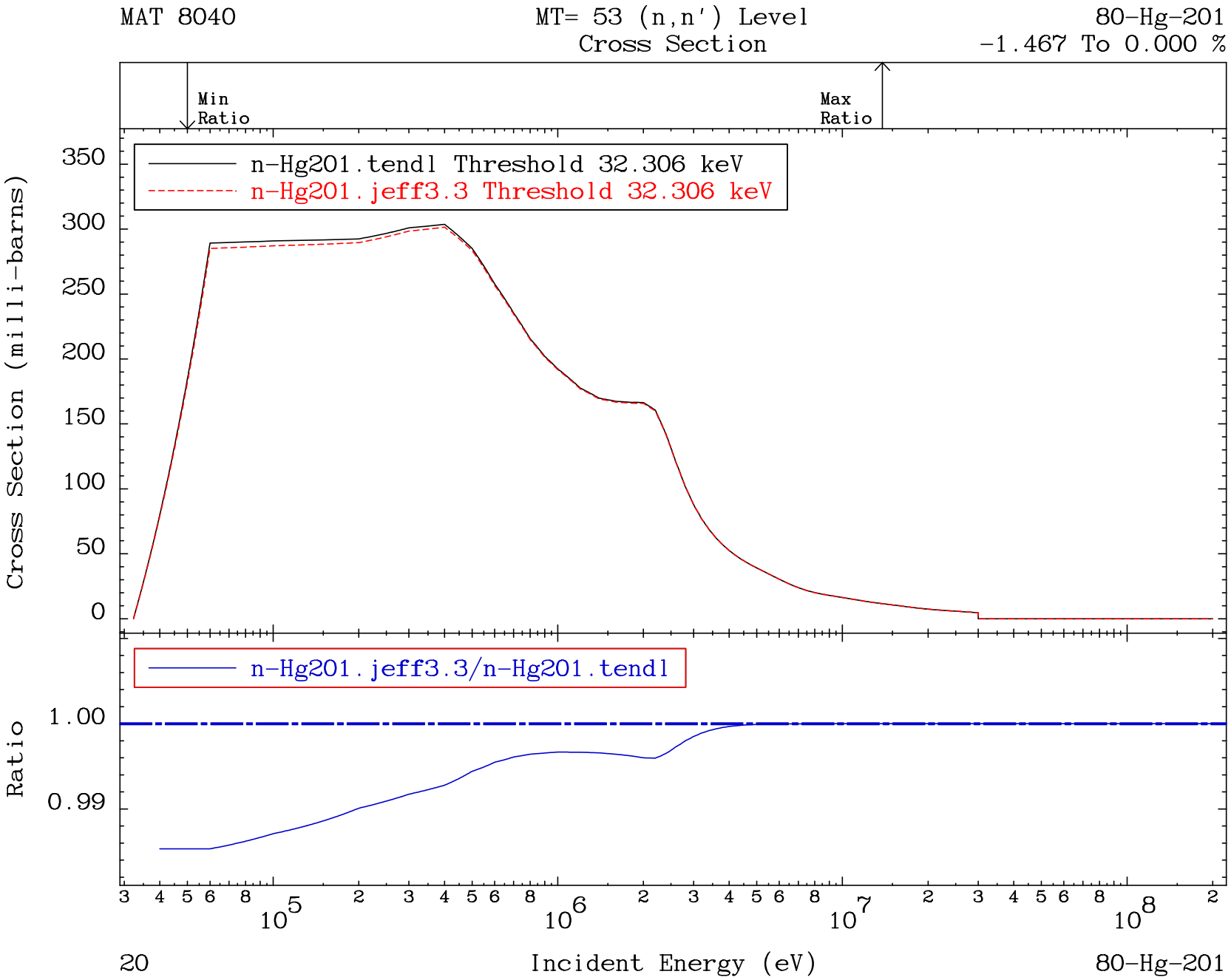

MAT 8040
(n,2n) p
Cross Section
80-Hg-201
-3.540 To 99.66 %
Max Ratio
Min Ratio
n-Hg201.tendl Threshold 13.999 MeV
n-Hg201.jeff3.3 Threshold 13.999 MeV
Cross Section (milli-barns)
10
8
6
4
2
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
2.0
1.6
1.2
2
3
4
5
6
7
8
9
10^8
2
15
Incident Energy (eV)
80-Hg-201

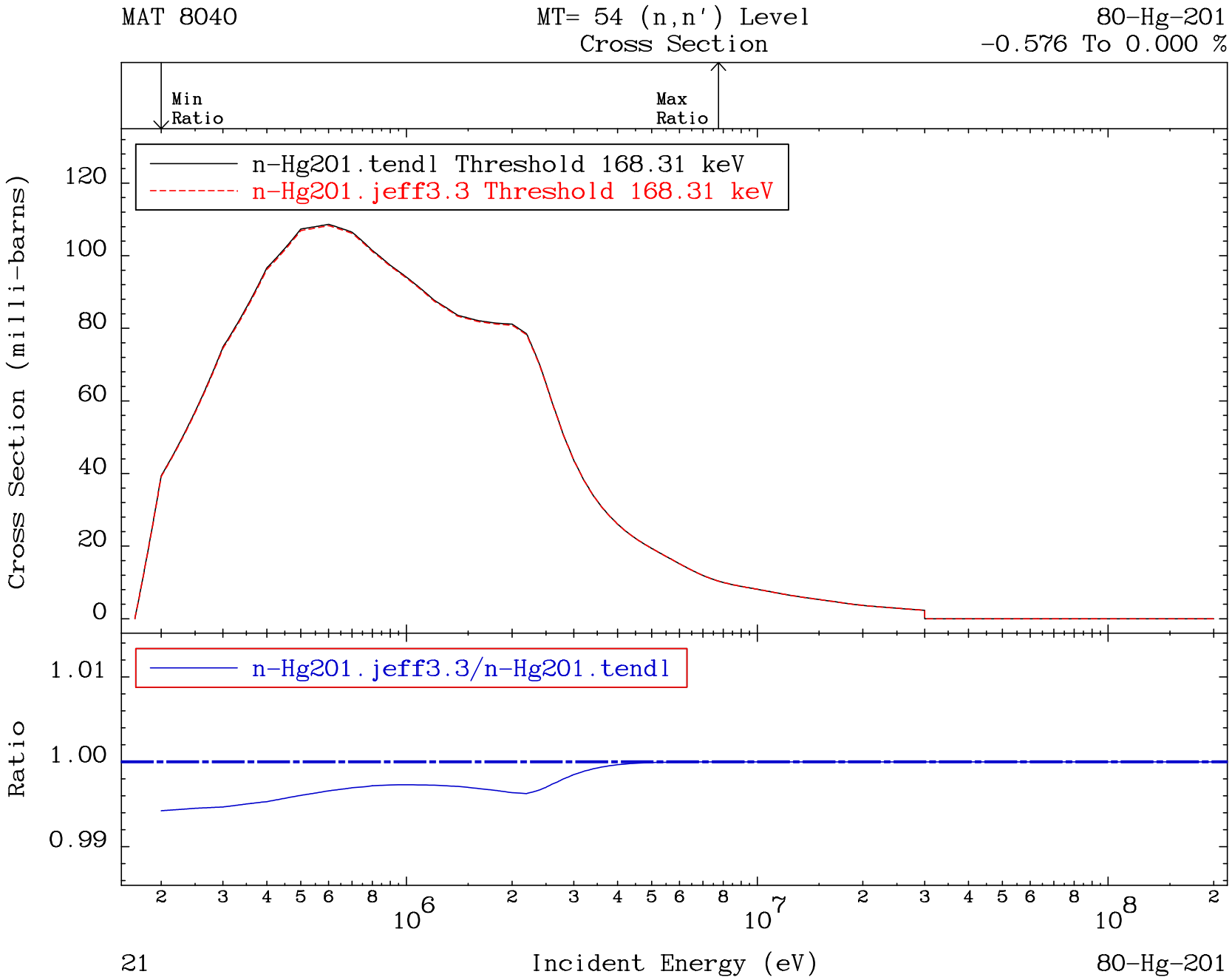

MAT 8040
(n,3n) p
Cross Section
80-Hg-201
-7.567 To 0.000 %
Max
Ratio
n-Hg201.tendl Threshold 21.621 MeV
n-Hg201.jeff3.3 Threshold 21.621 MeV
Cross Section (micro-barns)
20
15
10
5
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.00
0.96
0.92
20
40
60
80
100
120
140
160
180
200
16
Incident Energy (MeV)
80-Hg-201

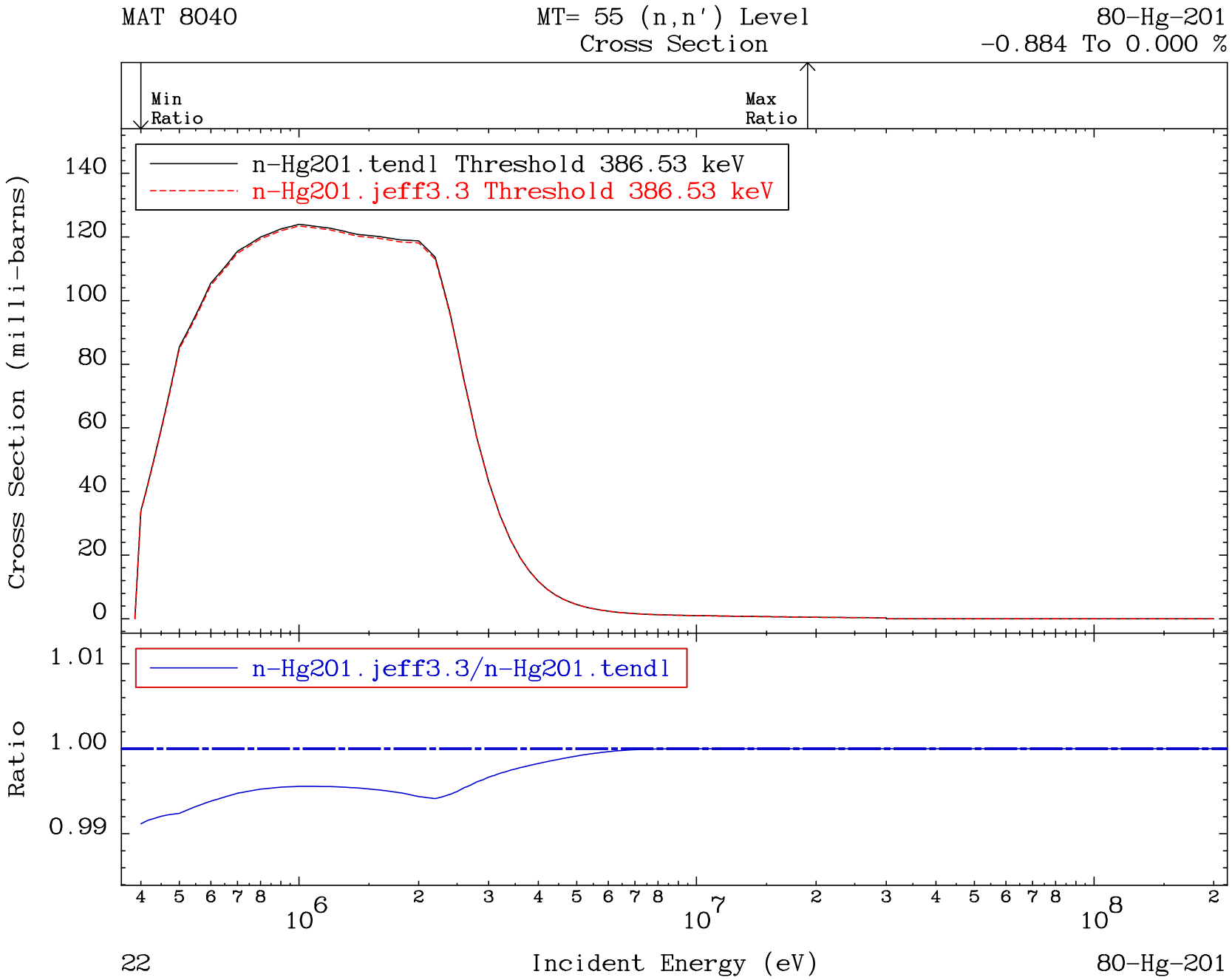

MAT 8040
(n,2n) p
Cross Section
80-Hg-201
-2.516 To 0.882 %
Max Ratio
Min Ratio
n-Hg201.tendl Threshold 14.926 MeV
n-Hg201.jeff3.3 Threshold 14.925 MeV
Cross Section (10^{-9} barns)
0
1
2
3
4
5
6
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.00
0.98
2
3
4
5
6
7
8
9
10^{8}
2
17
Incident Energy (eV)
80-Hg-201

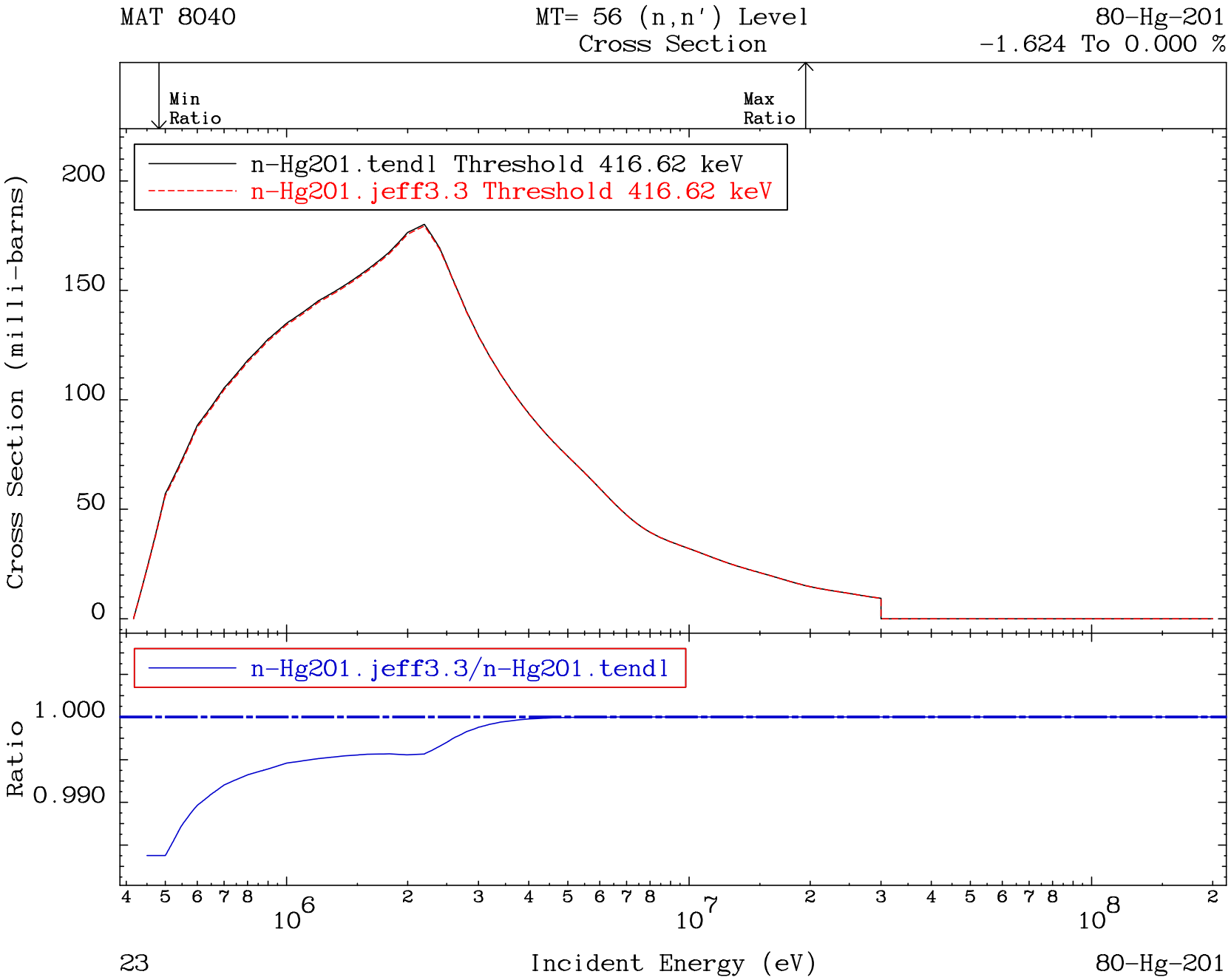

MAT 8040
MT= 51 (n,n') Level
Cross Section
80-Hg-201
-3.202 To 0.000 %
Min
Ratio
Max
Ratio
n-Hg201.tendl Threshold 1.5729 keV
n-Hg201.jeff3.3 Threshold 1.5729 keV
Cross Section (milli-barns)
500
400
300
200
100
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.01
1.00
0.99
0.98
0.97
2 3 5 7 10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
18
Incident Energy (eV)
80-Hg-201

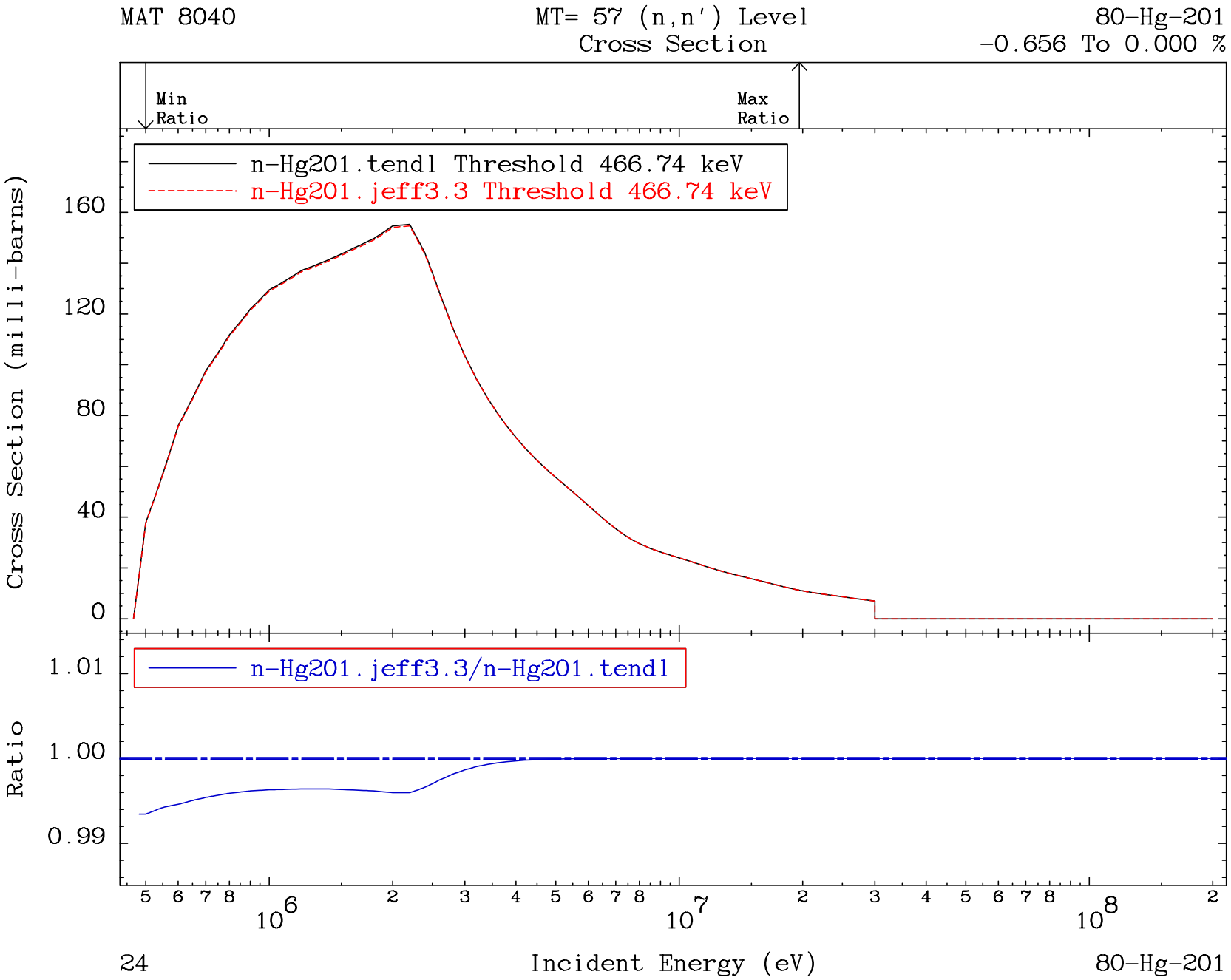

MAT 8040
MT= 52 (n,n') Level
Cross Section
80-Hg-201
-2.604 To 0.000 %
Min
Ratio
Max
Ratio
n-Hg201.tendl Threshold 26.404 keV
n-Hg201.jeff3.3 Threshold 26.404 keV
Cross Section (milli-barns)
300
200
100
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.00
0.99
0.98
3 4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
19
Incident Energy (eV)
80-Hg-201

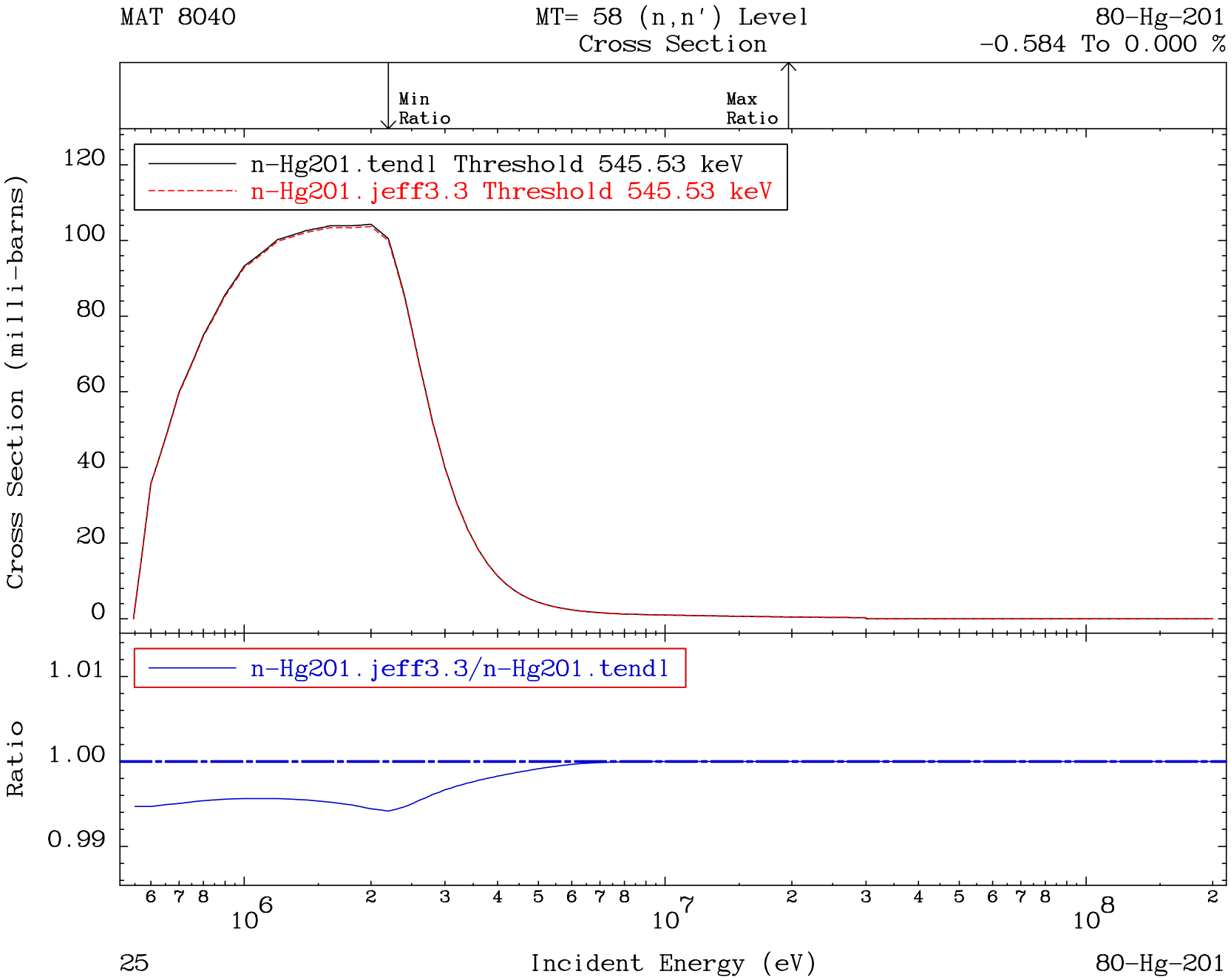

MAT 8040
MT= 53 (n,n') Level
Cross Section
80-Hg-201
-1.467 To 0.000 %
Min
Ratio
Max
Ratio
n-Hg201.tendl Threshold 32.306 keV
n-Hg201.jeff3.3 Threshold 32.306 keV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.00
0.99
3 4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
20
Incident Energy (eV)
80-Hg-201

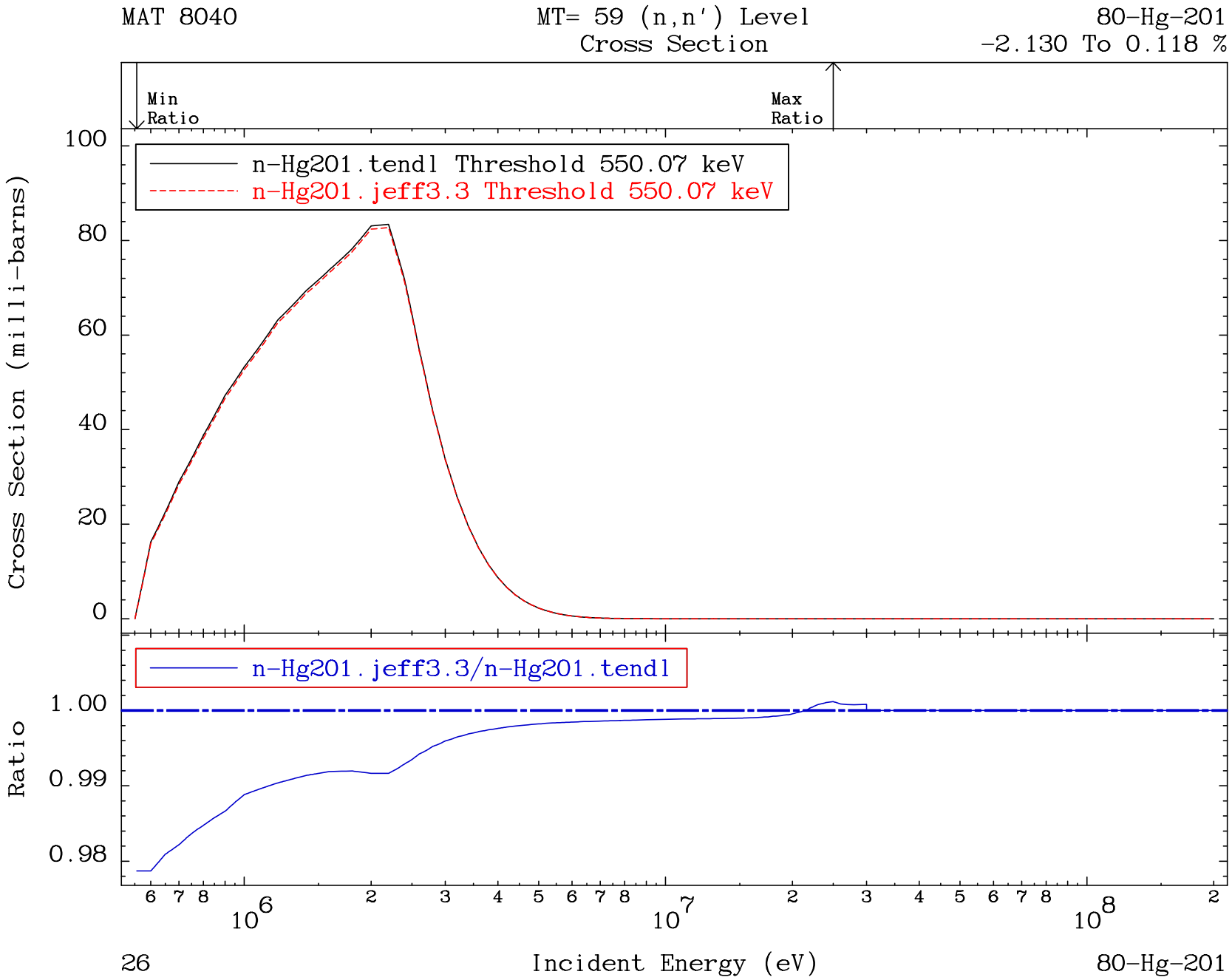

MAT 8040
MT= 54 (n,n') Level
Cross Section
80-Hg-201
-0.576 To 0.000 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 168.31 keV
n-Hg201.jeff3.3 Threshold 168.31 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
21
Incident Energy (eV)
80-Hg-201

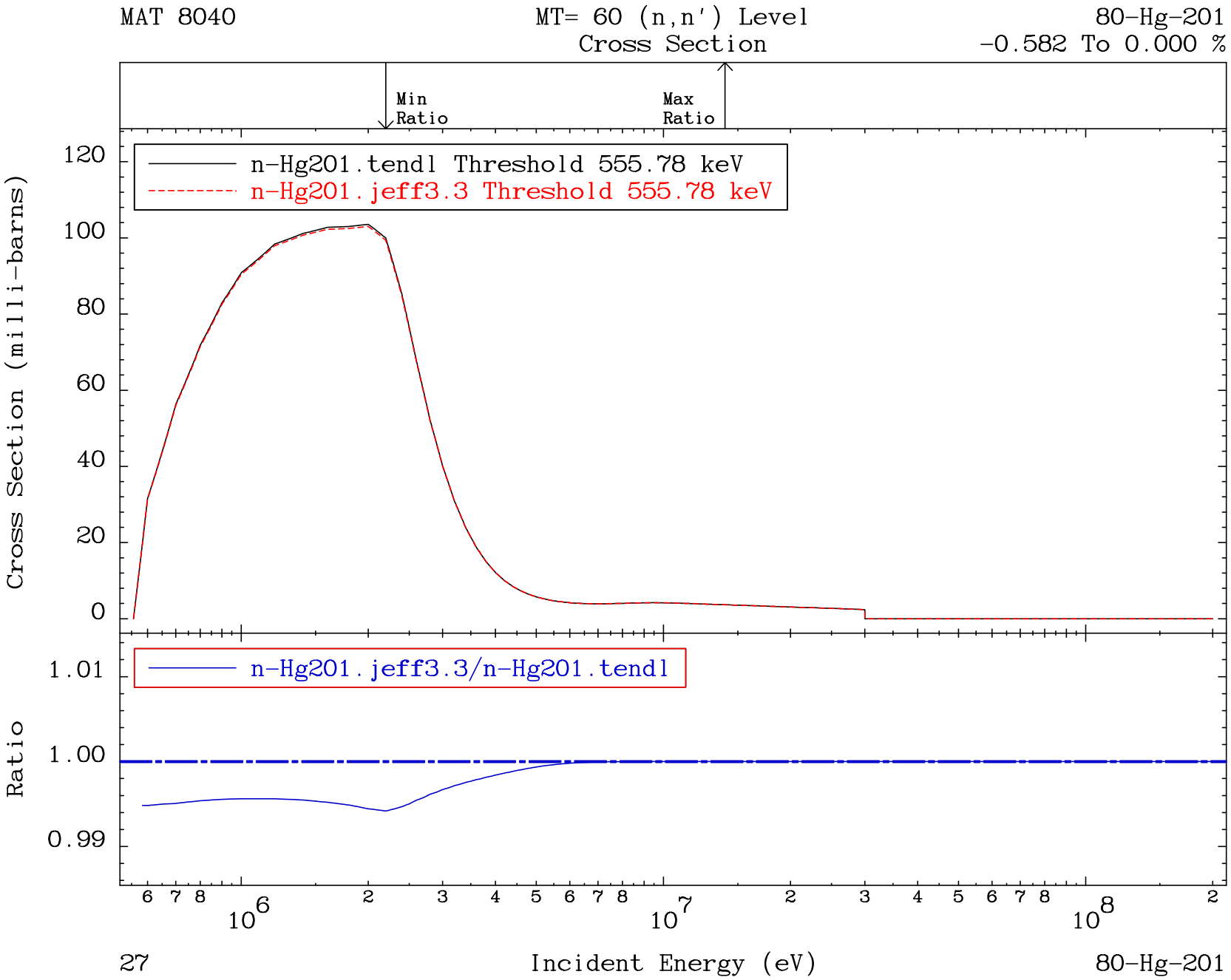

MAT 8040
MT= 55 (n,n') Level
Cross Section
80-Hg-201
-0.884 To 0.000 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 386.53 keV
n-Hg201.jeff3.3 Threshold 386.53 keV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.01
1.00
0.99
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
80-Hg-201

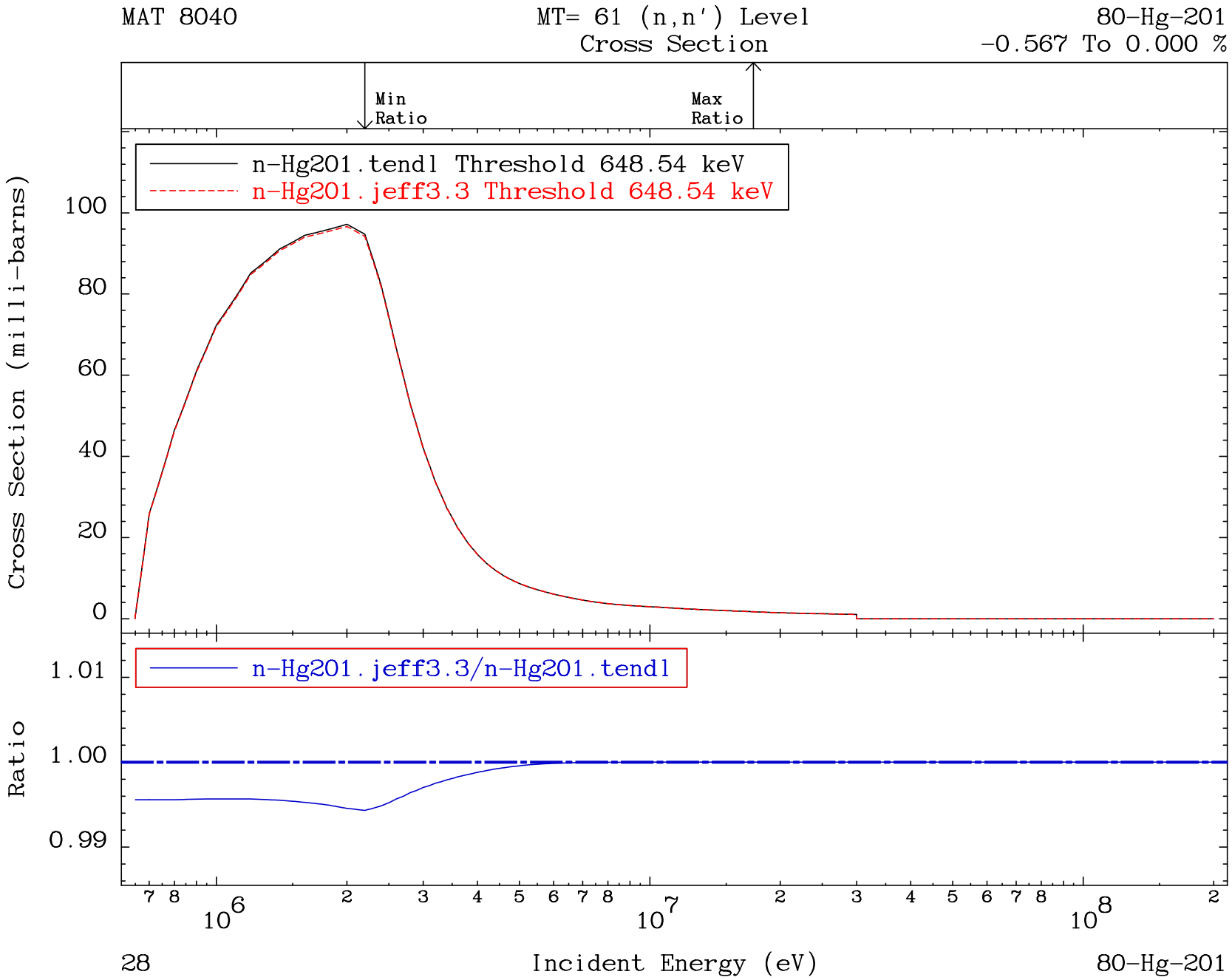

MAT 8040
MT= 56 (n,n') Level
Cross Section
80-Hg-201
-1.624 To 0.000 %
Min
Ratio
Max
Ratio
n-Hg201.tendl Threshold 416.62 keV
n-Hg201.jeff3.3 Threshold 416.62 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.000
0.990
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
80-Hg-201

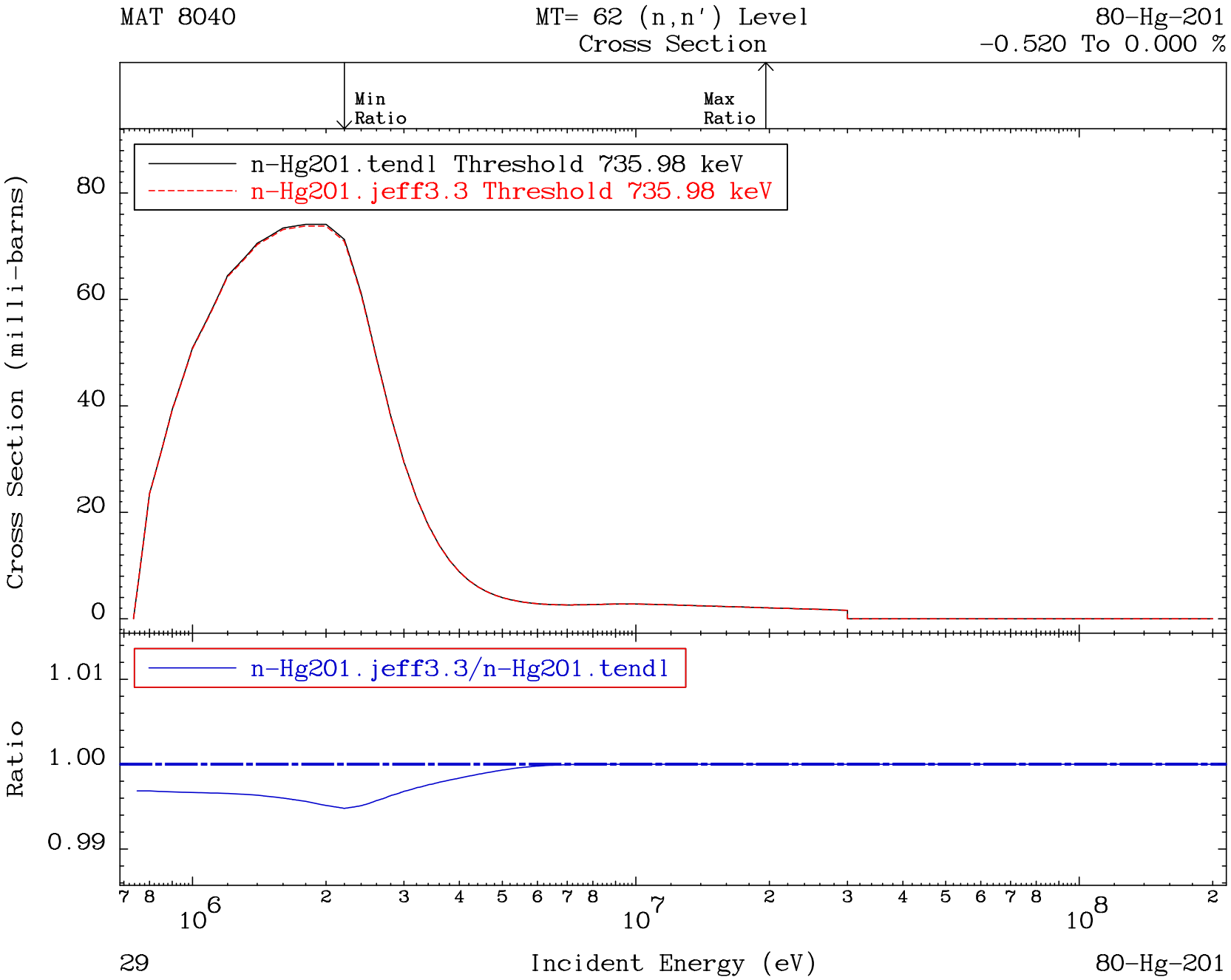

MAT 8040
MT= 57 (n,n') Level
Cross Section
80-Hg-201
-0.656 To 0.000 %
Min
Ratio
Max
Ratio
n-Hg201.tendl Threshold 466.74 keV
n-Hg201.jeff3.3 Threshold 466.74 keV
Cross Section (milli-barns)
160
120
80
40
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.01
1.00
0.99
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
80-Hg-201

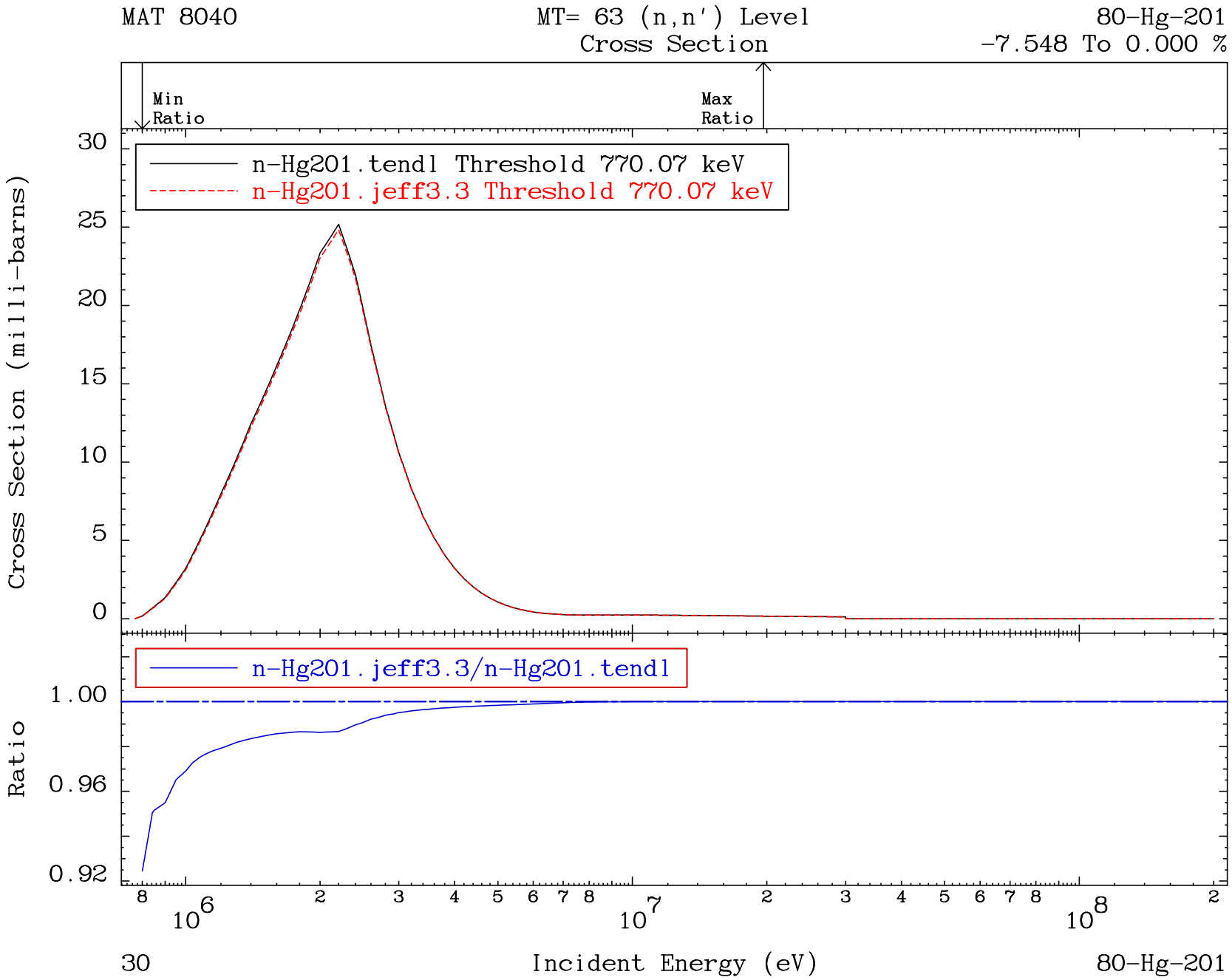

MAT 8040
MT= 58 (n,n') Level
Cross Section
80-Hg-201
-0.584 To 0.000 %
Min
Ratio
Max
Ratio
n-Hg201.tendl Threshold 545.53 keV
n-Hg201.jeff3.3 Threshold 545.53 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.01
1.00
0.99
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
80-Hg-201

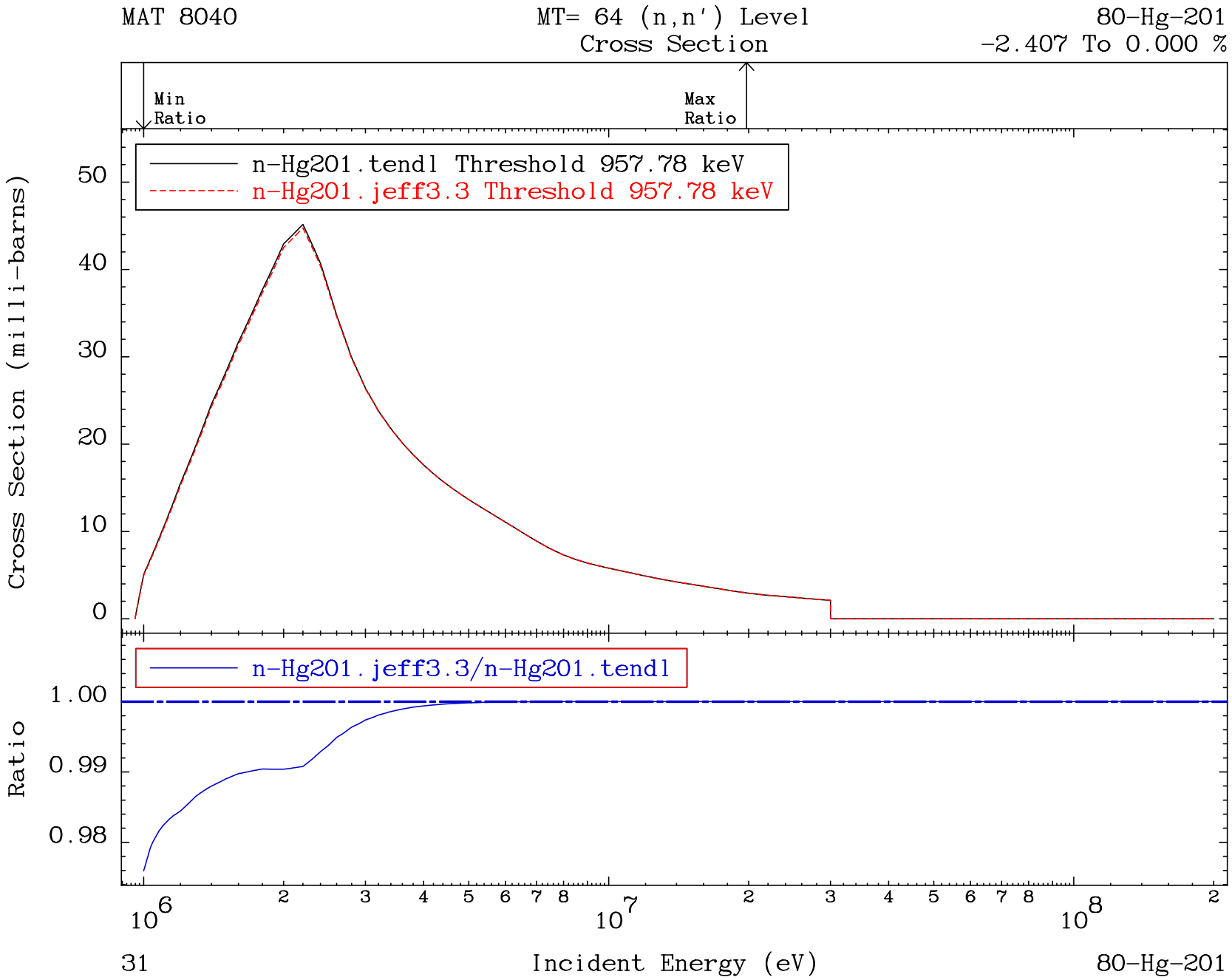

MAT 8040
MT= 59 (n,n') Level
Cross Section
80-Hg-201
-2.130 To 0.118 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 550.07 keV
n-Hg201.jeff3.3 Threshold 550.07 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.00
0.99
0.98
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
80-Hg-201

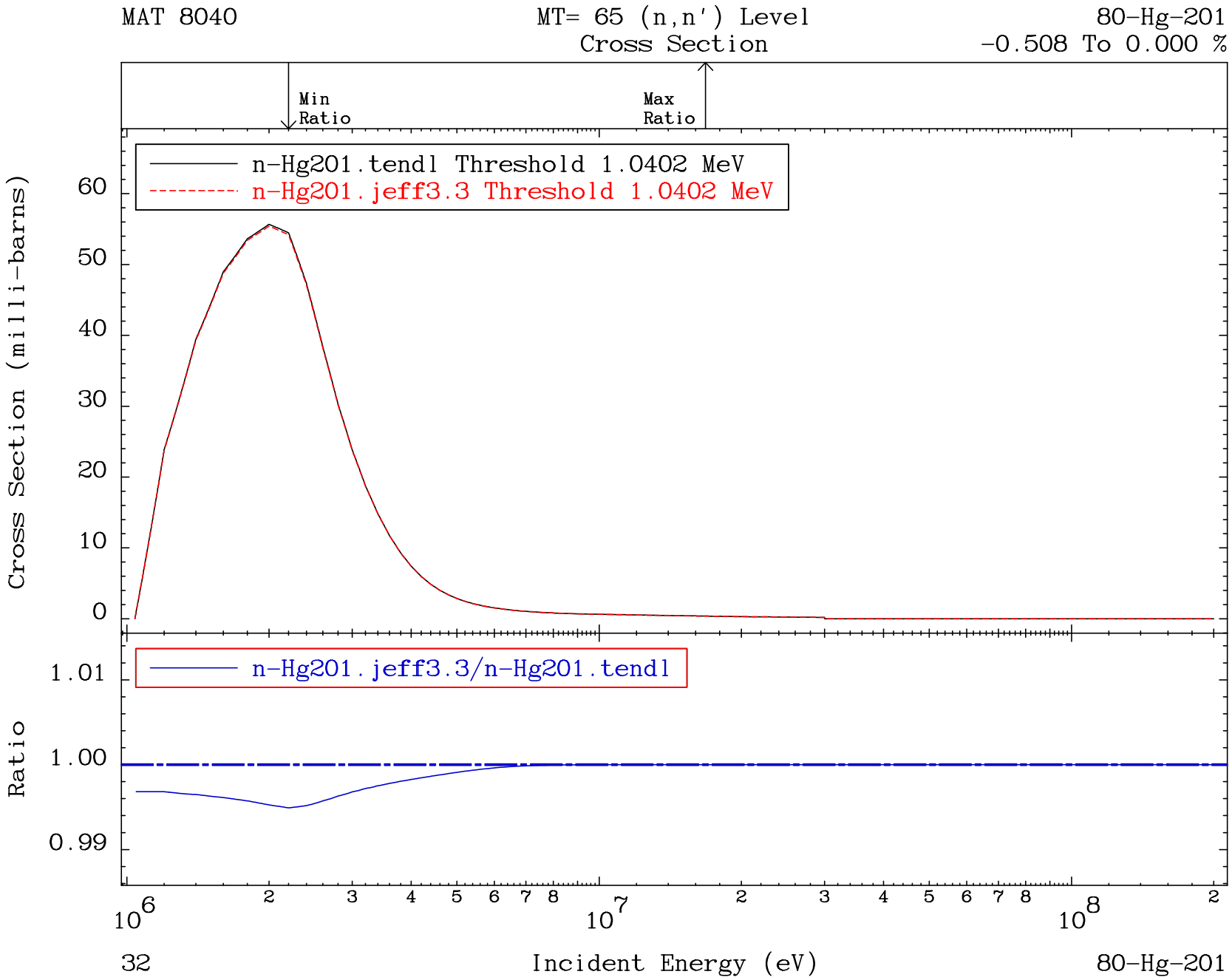

MAT 8040
MT= 60 (n,n') Level
Cross Section
80-Hg-201
-0.582 To 0.000 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 555.78 keV
n-Hg201.jeff3.3 Threshold 555.78 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.01
1.00
0.99
6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
27
Incident Energy (eV)
80-Hg-201

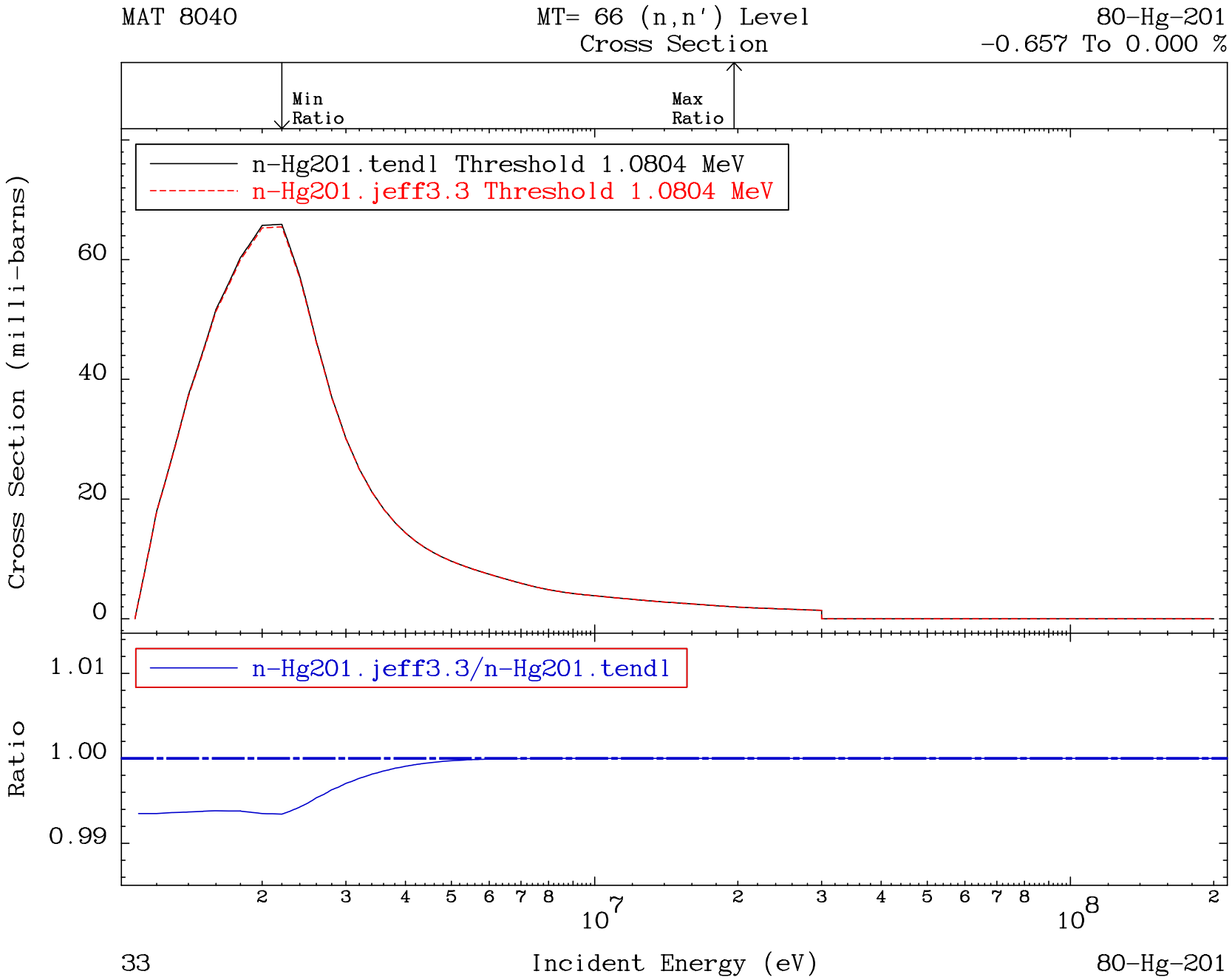

MAT 8040
MT= 61 (n,n') Level
Cross Section
80-Hg-201
-0.567 To 0.000 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 648.54 keV
n-Hg201.jeff3.3 Threshold 648.54 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.01
1.00
0.99
7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
80-Hg-201

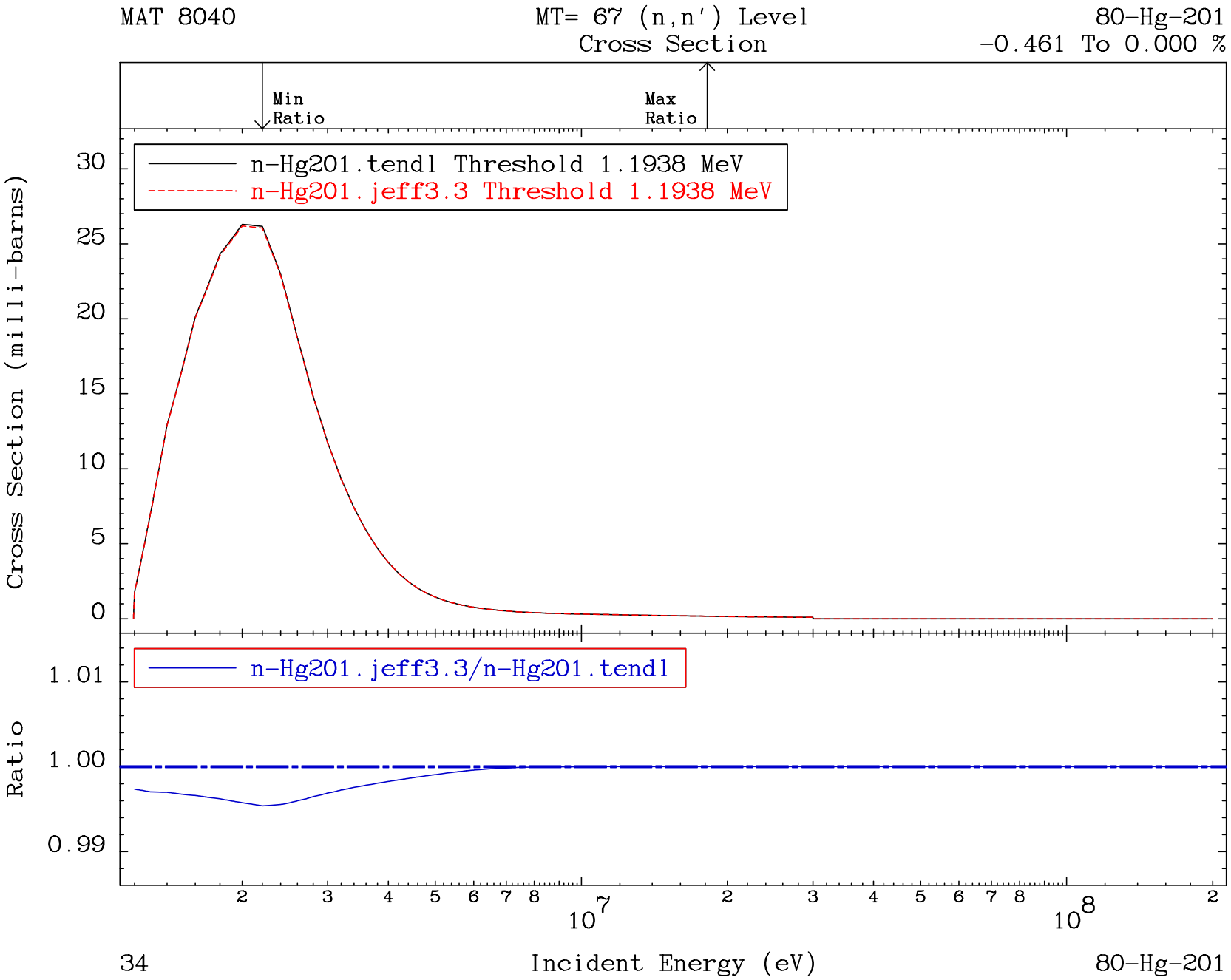

MAT 8040
MT= 62 (n,n') Level
Cross Section
80-Hg-201
-0.520 To 0.000 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 735.98 keV
n-Hg201.jeff3.3 Threshold 735.98 keV
Cross Section (milli-barns)
80
60
40
20
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.01
1.00
0.99
7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
29
Incident Energy (eV)
80-Hg-201

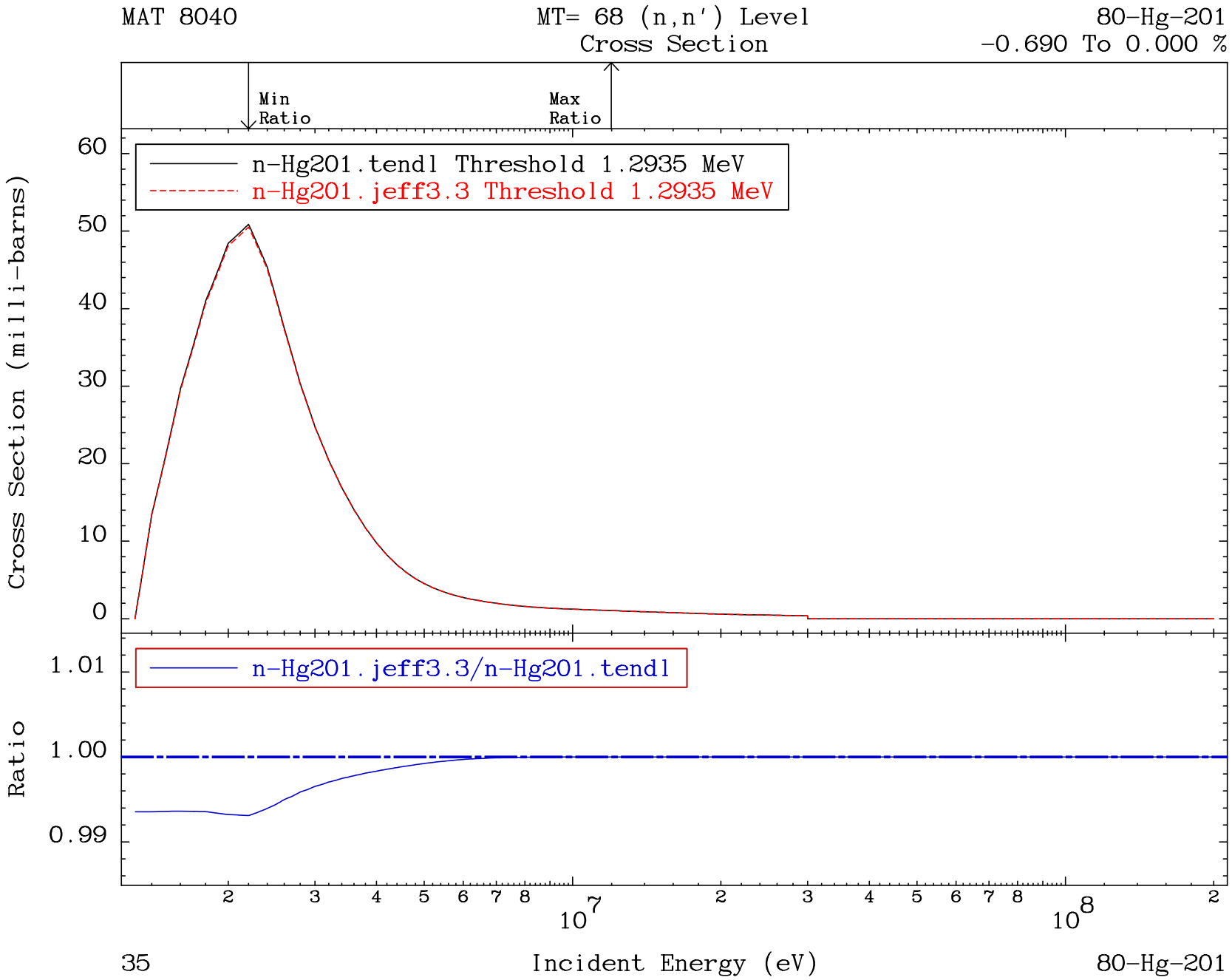

MAT 8040
MT= 63 (n,n') Level
Cross Section
80-Hg-201
-7.548 To 0.000 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 770.07 keV
n-Hg201.jeff3.3 Threshold 770.07 keV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.00
0.96
0.92
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
30
Incident Energy (eV)
80-Hg-201

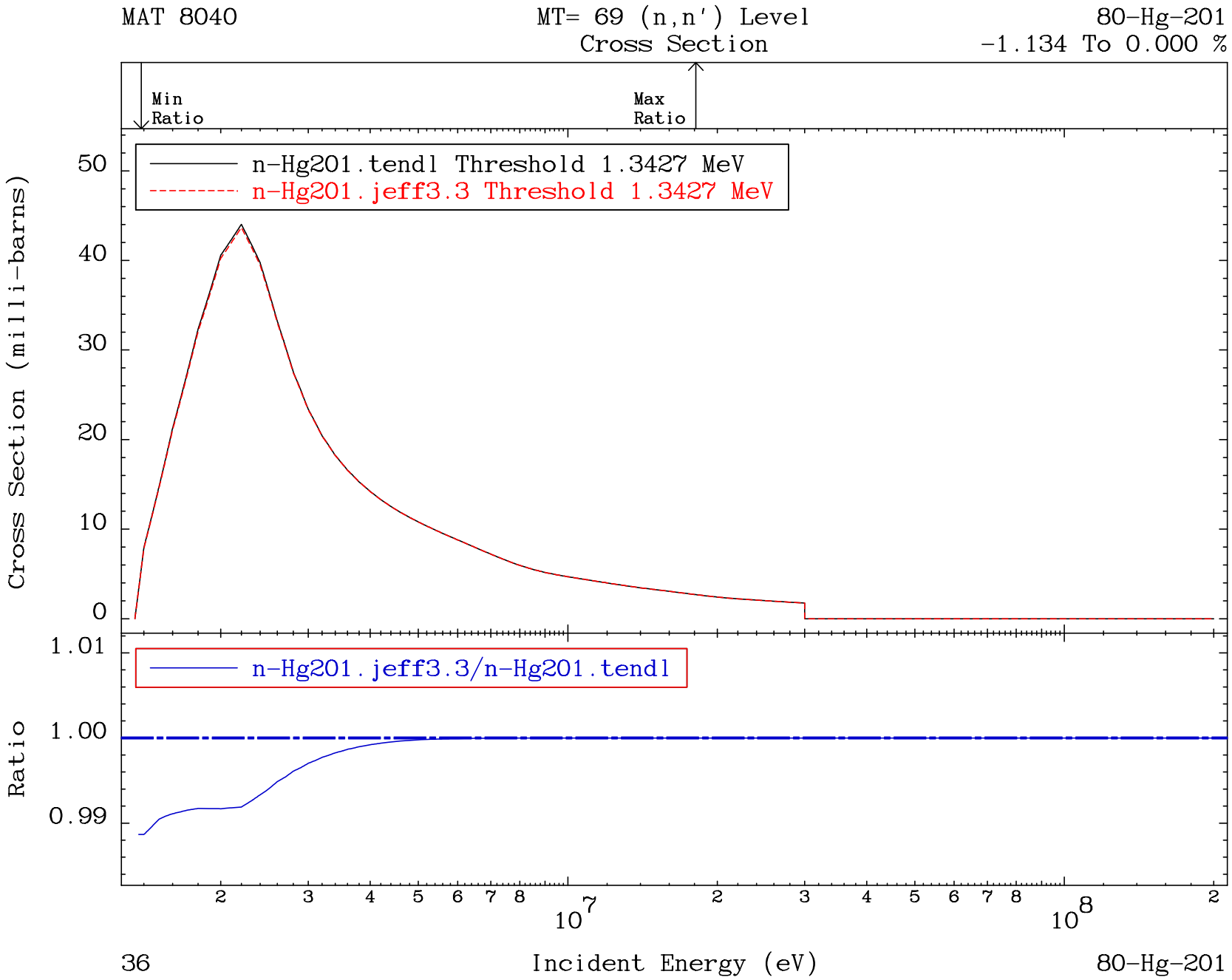

MAT 8040
MT= 64 (n,n') Level
Cross Section
80-Hg-201
-2.407 To 0.000 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 957.78 keV
n-Hg201.jeff3.3 Threshold 957.78 keV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.00
0.99
0.98
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
31
Incident Energy (eV)
80-Hg-201

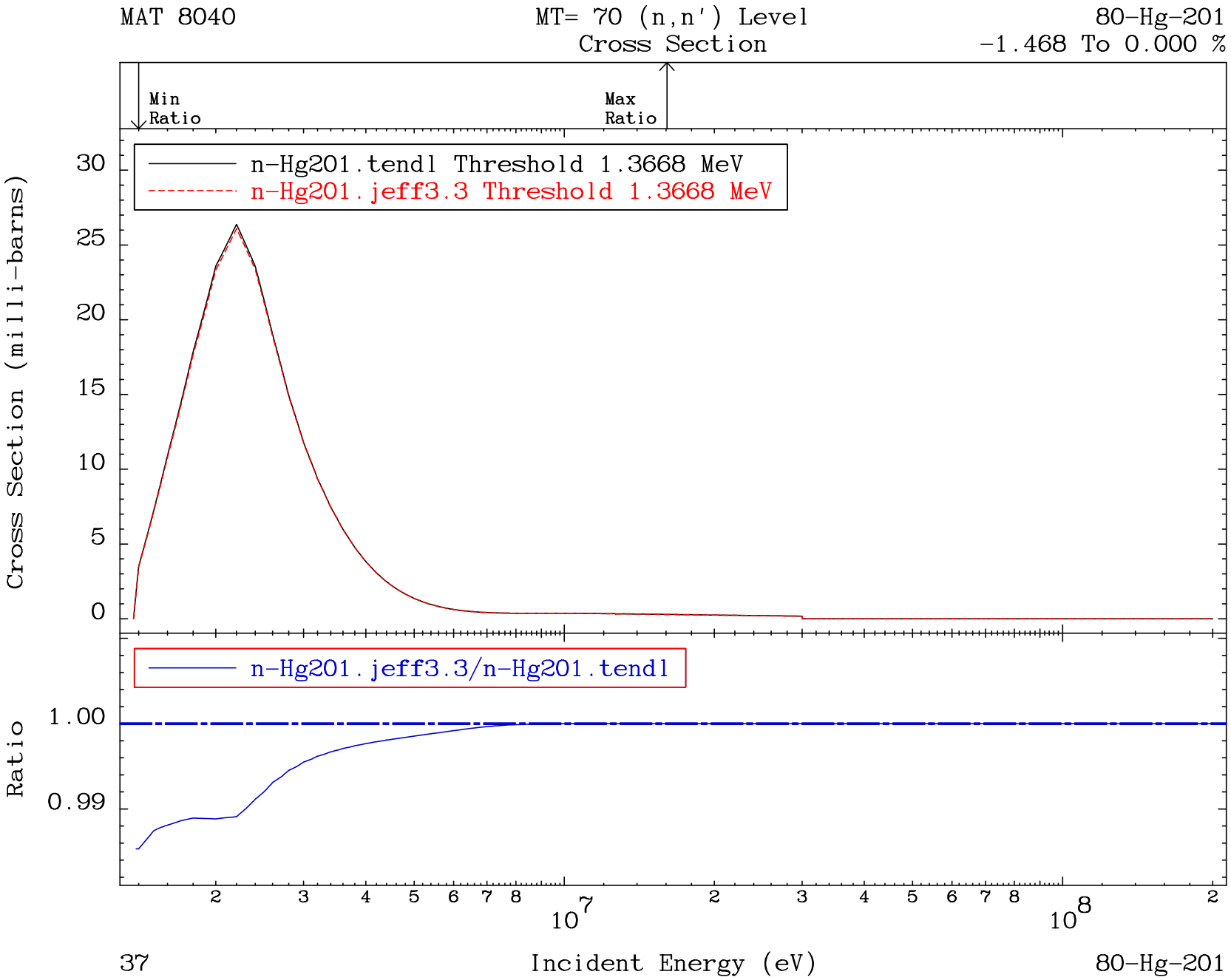

MAT 8040
MT= 65 (n,n') Level
Cross Section
80-Hg-201
-0.508 To 0.000 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 1.0402 MeV
n-Hg201.jeff3.3 Threshold 1.0402 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.01
1.00
0.99
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
32
Incident Energy (eV)
80-Hg-201

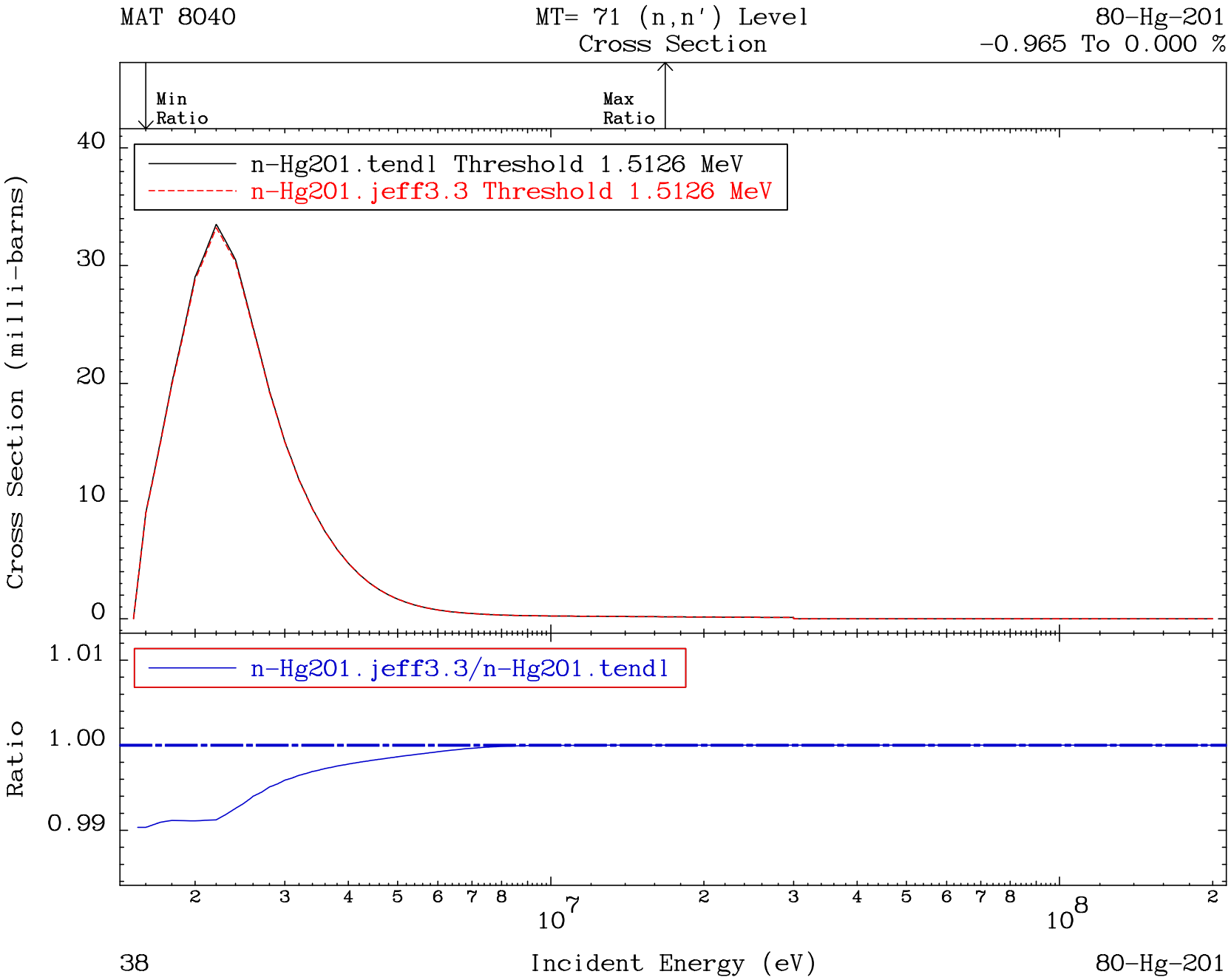

MAT 8040
MT= 66 (n,n') Level
Cross Section
80-Hg-201
-0.657 To 0.000 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 1.0804 MeV
n-Hg201.jeff3.3 Threshold 1.0804 MeV
Cross Section (milli-barns)
60
40
20
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
33
Incident Energy (eV)
80-Hg-201

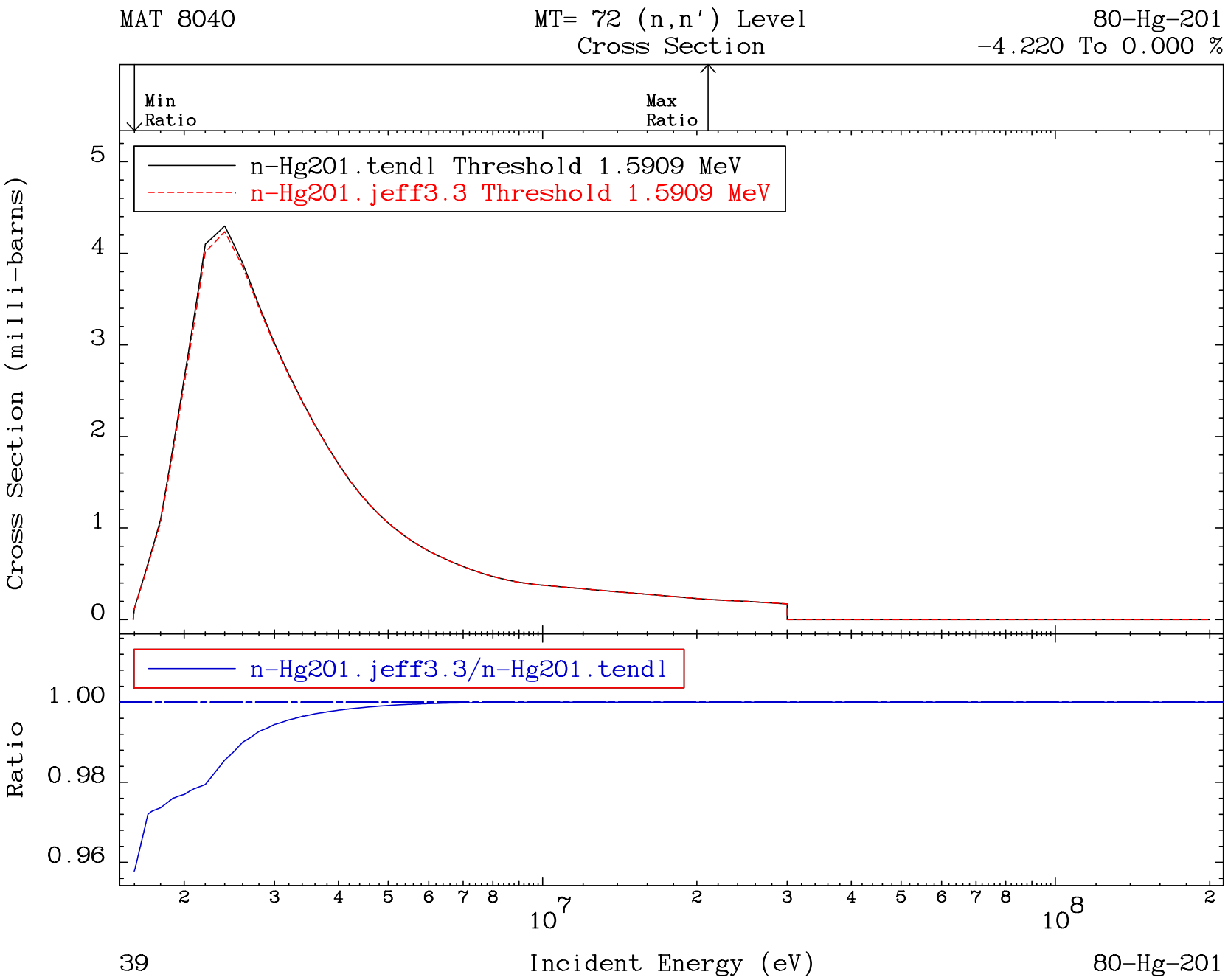

MAT 8040
MT= 67 (n,n') Level
Cross Section
80-Hg-201
-0.461 To 0.000 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 1.1938 MeV
n-Hg201.jeff3.3 Threshold 1.1938 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
80-Hg-201

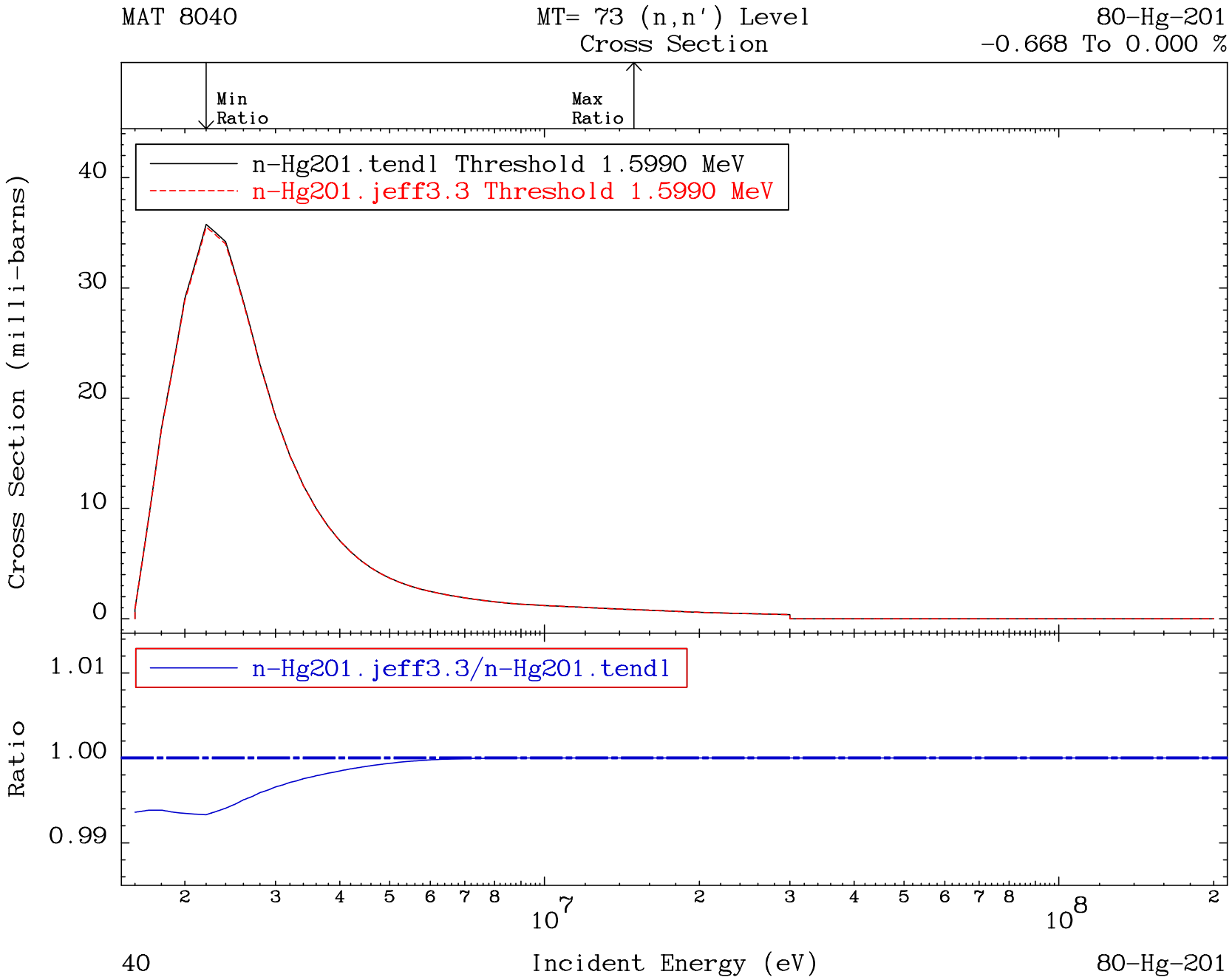

MAT 8040
MT= 68 (n,n') Level
Cross Section
80-Hg-201
-0.690 To 0.000 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 1.2935 MeV
n-Hg201.jeff3.3 Threshold 1.2935 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
80-Hg-201

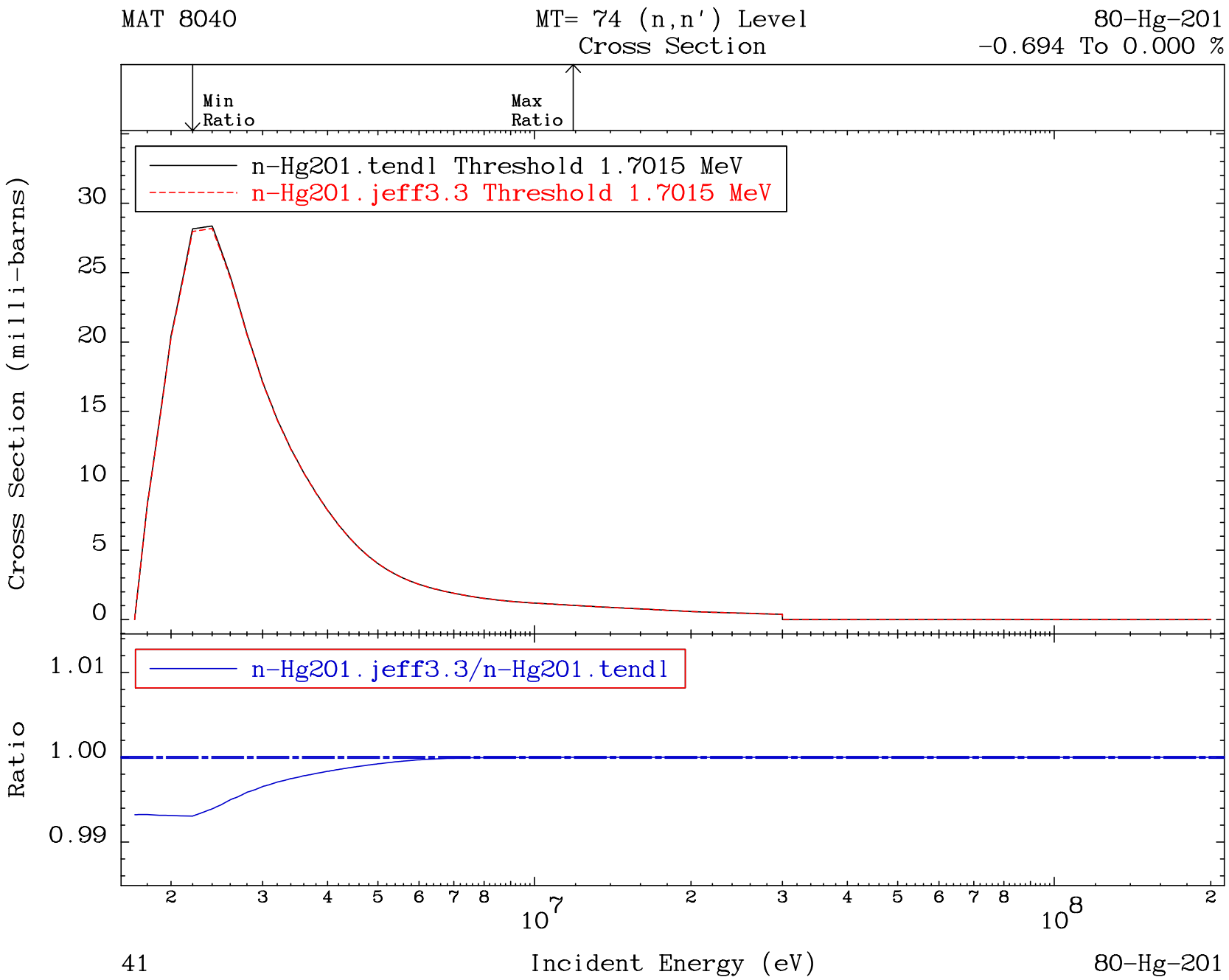

MAT 8040
MT= 69 (n,n') Level
Cross Section
80-Hg-201
-1.134 To 0.000 %
Min
Ratio
Max
Ratio
n-Hg201.tendl Threshold 1.3427 MeV
n-Hg201.jeff3.3 Threshold 1.3427 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
36
Incident Energy (eV)
80-Hg-201

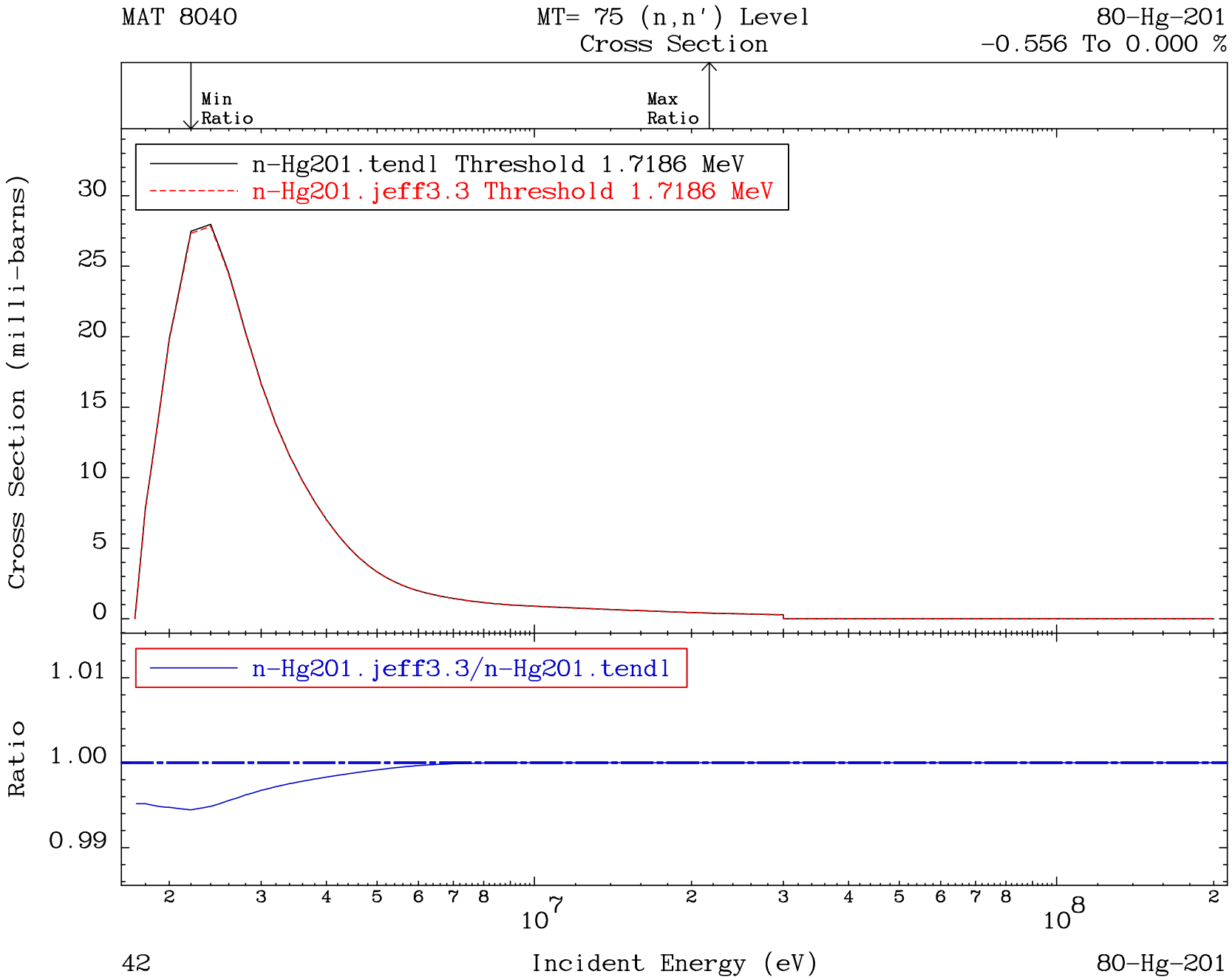

MAT 8040
MT= 70 (n,n') Level
Cross Section
80-Hg-201
-1.468 To 0.000 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 1.3668 MeV
n-Hg201.jeff3.3 Threshold 1.3668 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
37
Incident Energy (eV)
80-Hg-201

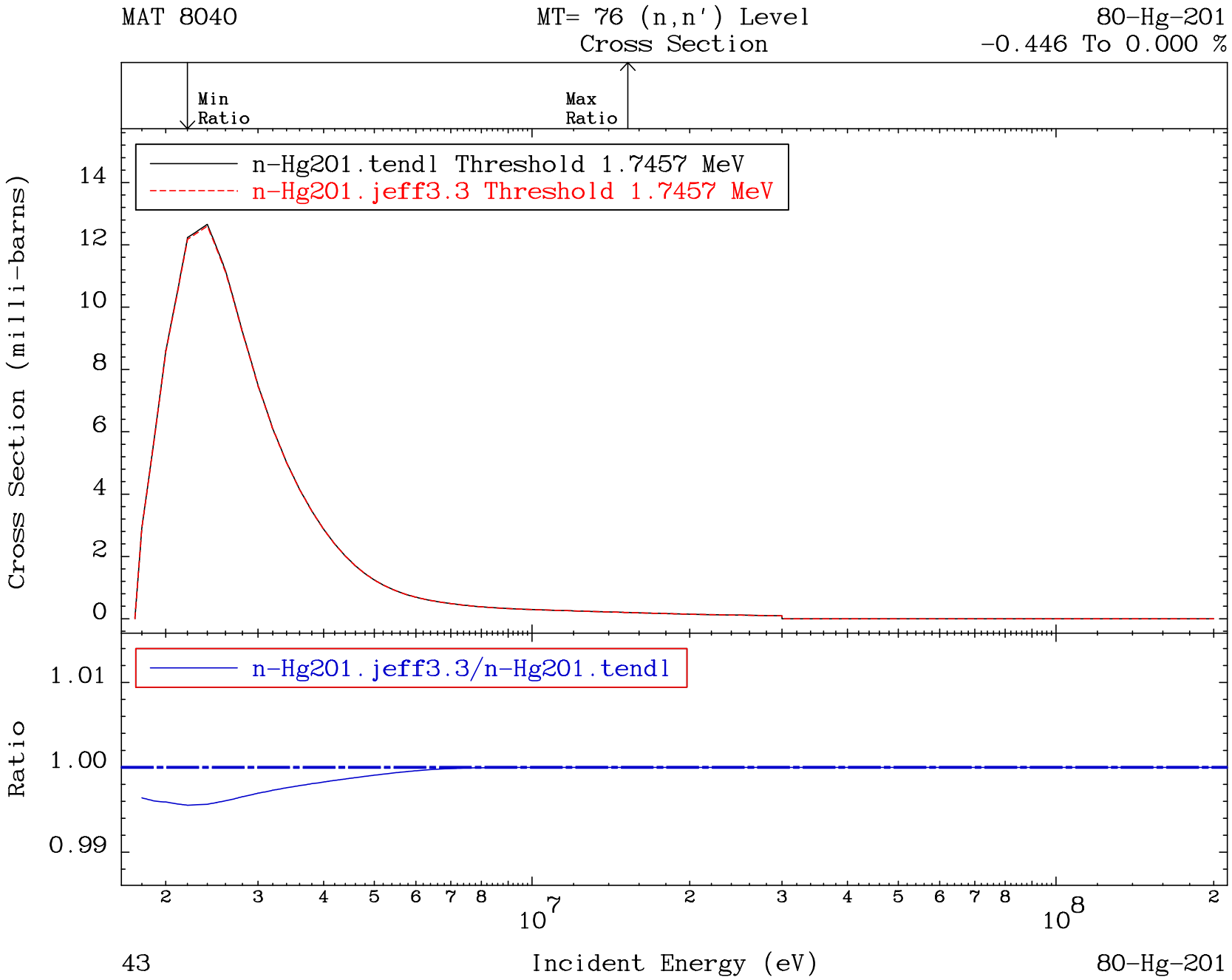

MAT 8040
MT= 71 (n,n') Level
Cross Section
80-Hg-201
-0.965 To 0.000 %
Min
Ratio
Max
Ratio
n-Hg201.tendl Threshold 1.5126 MeV
n-Hg201.jeff3.3 Threshold 1.5126 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
38
Incident Energy (eV)
80-Hg-201

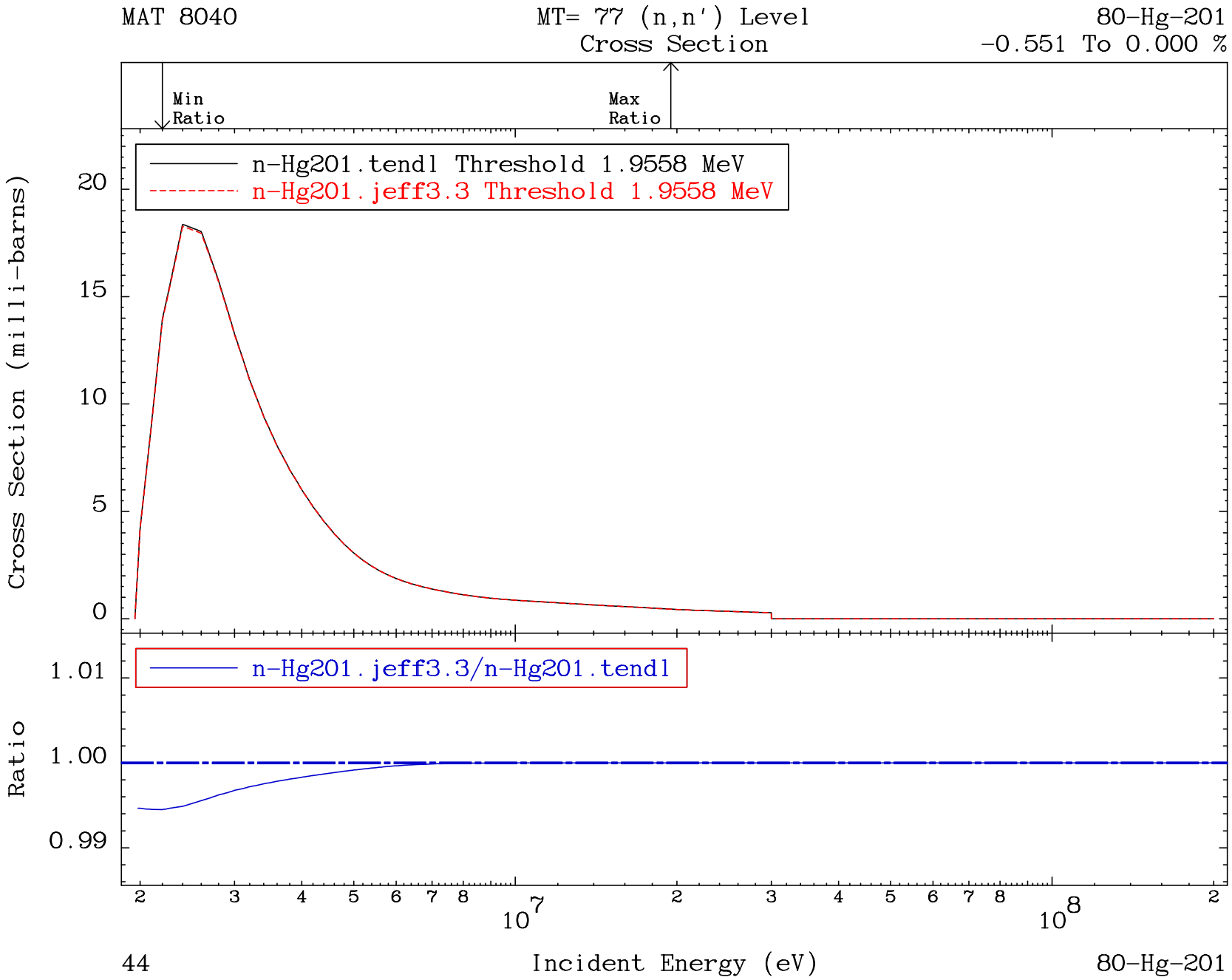

MAT 8040
MT= 72 (n,n') Level
Cross Section
80-Hg-201
-4.220 To 0.000 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 1.5909 MeV
n-Hg201.jeff3.3 Threshold 1.5909 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
0.96
0.98
1.00
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
39
Incident Energy (eV)
80-Hg-201

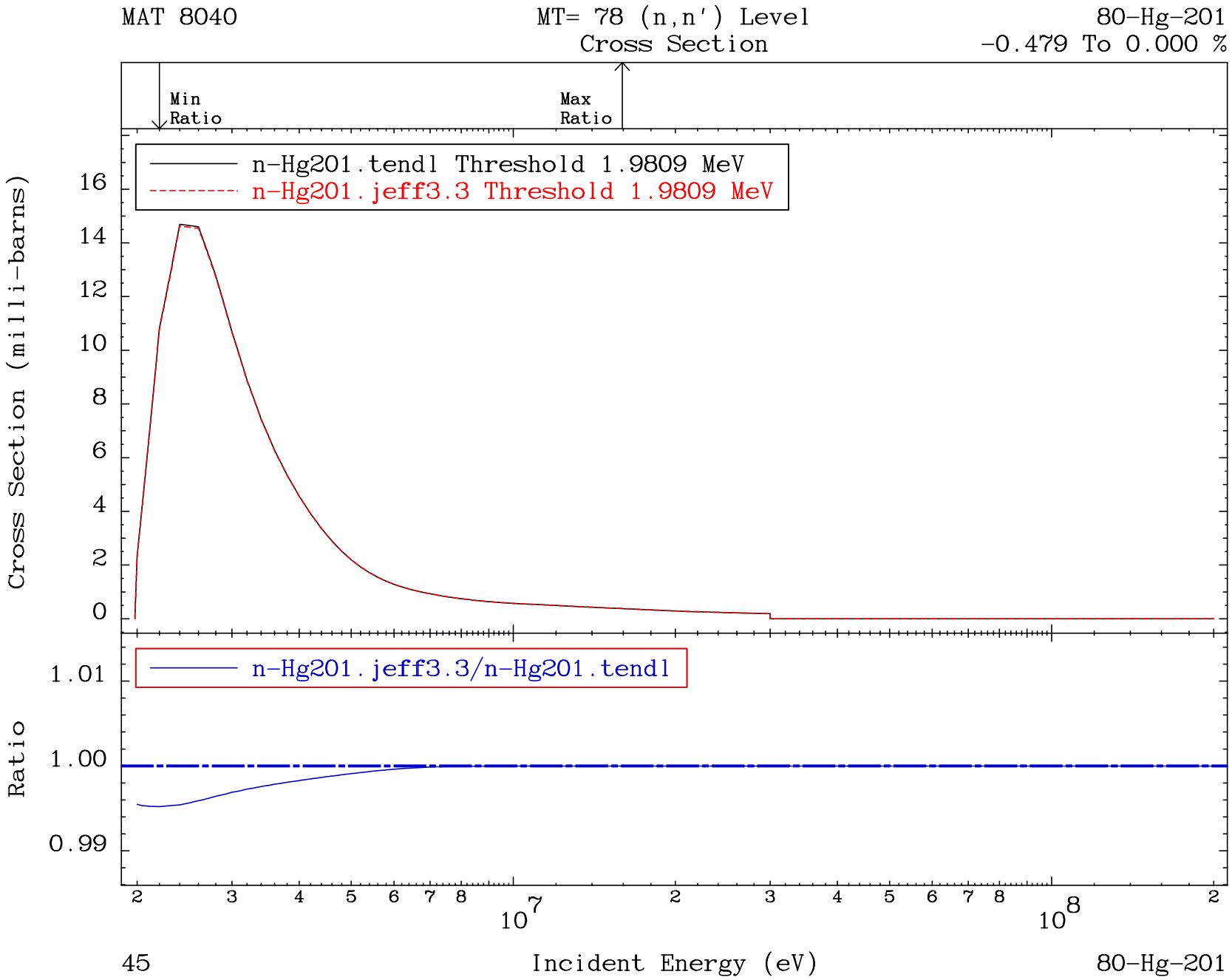

MAT 8040
MT= 73 (n,n') Level
Cross Section
80-Hg-201
-0.668 To 0.000 %
Min
Ratio
Max
Ratio
n-Hg201.tendl Threshold 1.5990 MeV
n-Hg201.jeff3.3 Threshold 1.5990 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
40
Incident Energy (eV)
80-Hg-201

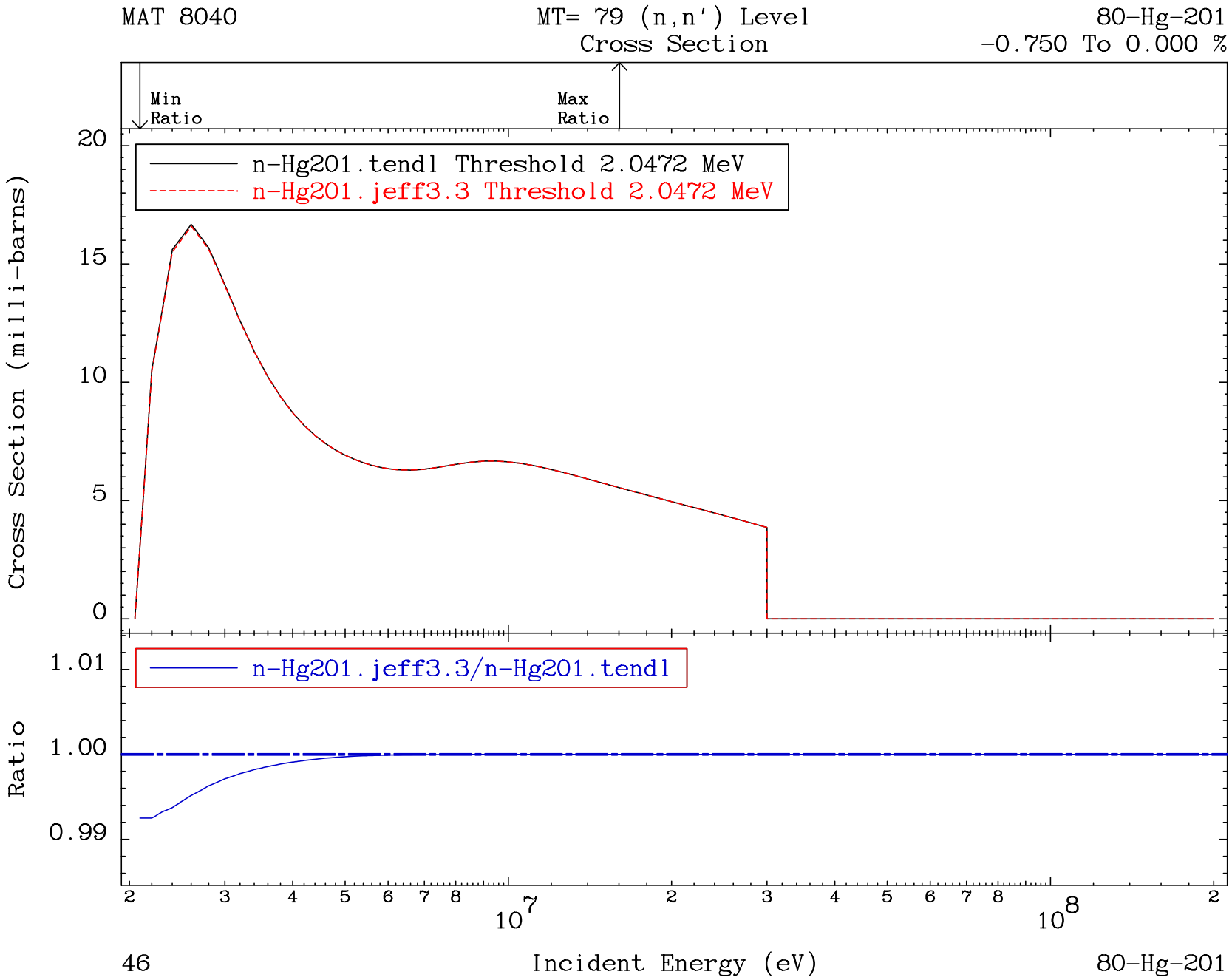

MAT 8040
MT= 74 (n,n') Level
Cross Section
80-Hg-201
-0.694 To 0.000 %
Min
Ratio
Max
Ratio
n-Hg201.tendl Threshold 1.7015 MeV
n-Hg201.jeff3.3 Threshold 1.7015 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
41
Incident Energy (eV)
80-Hg-201

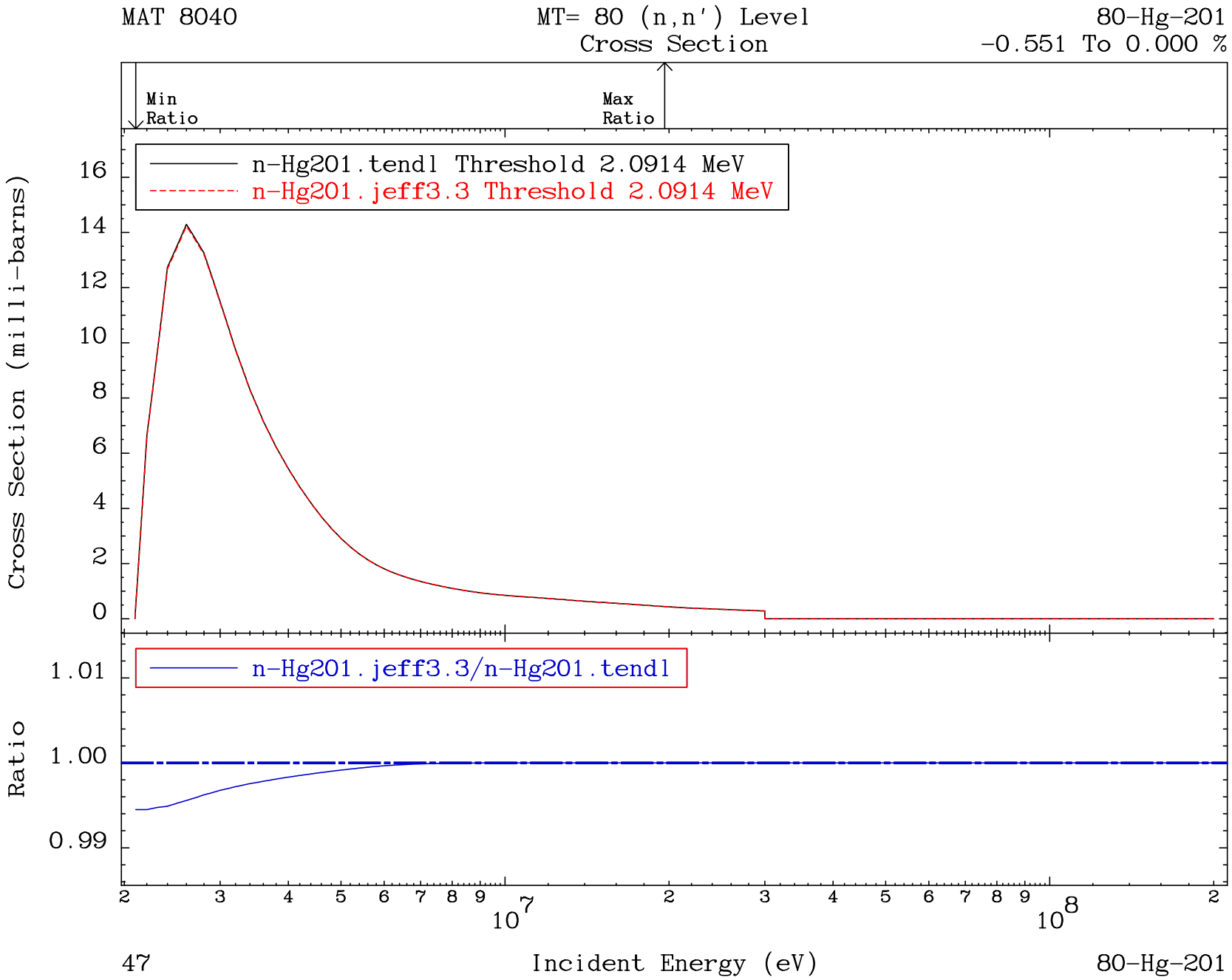

MAT 8040
MT= 75 (n,n') Level
Cross Section
80-Hg-201
-0.556 To 0.000 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 1.7186 MeV
n-Hg201.jeff3.3 Threshold 1.7186 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
42
Incident Energy (eV)
80-Hg-201

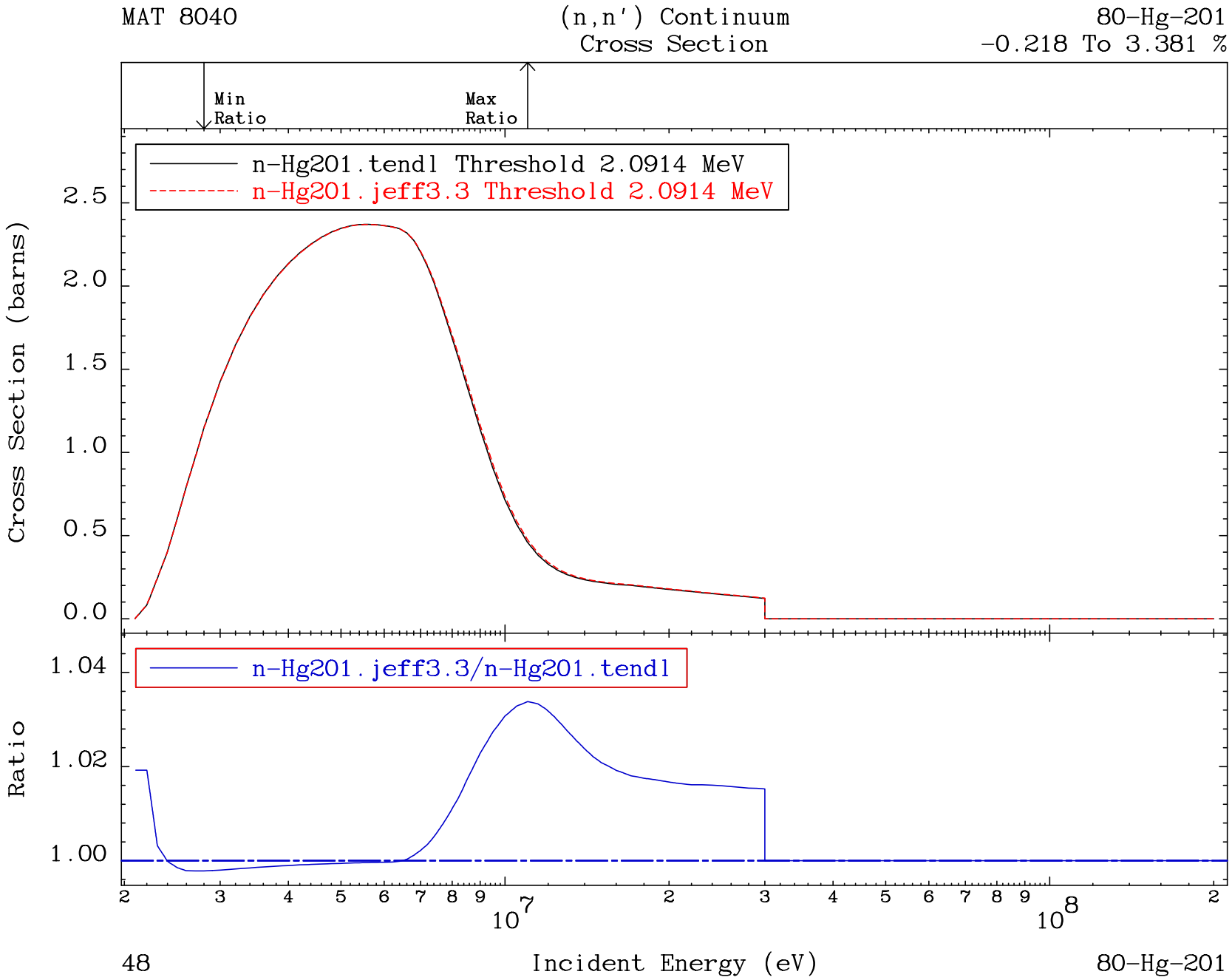

MAT 8040
MT= 76 (n,n') Level
Cross Section
80-Hg-201
-0.446 To 0.000 %
Min
Ratio
Max
Ratio
n-Hg201.tendl Threshold 1.7457 MeV
n-Hg201.jeff3.3 Threshold 1.7457 MeV
Cross Section (milli-barns)
14
12
10
8
6
4
2
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
43
Incident Energy (eV)
80-Hg-201

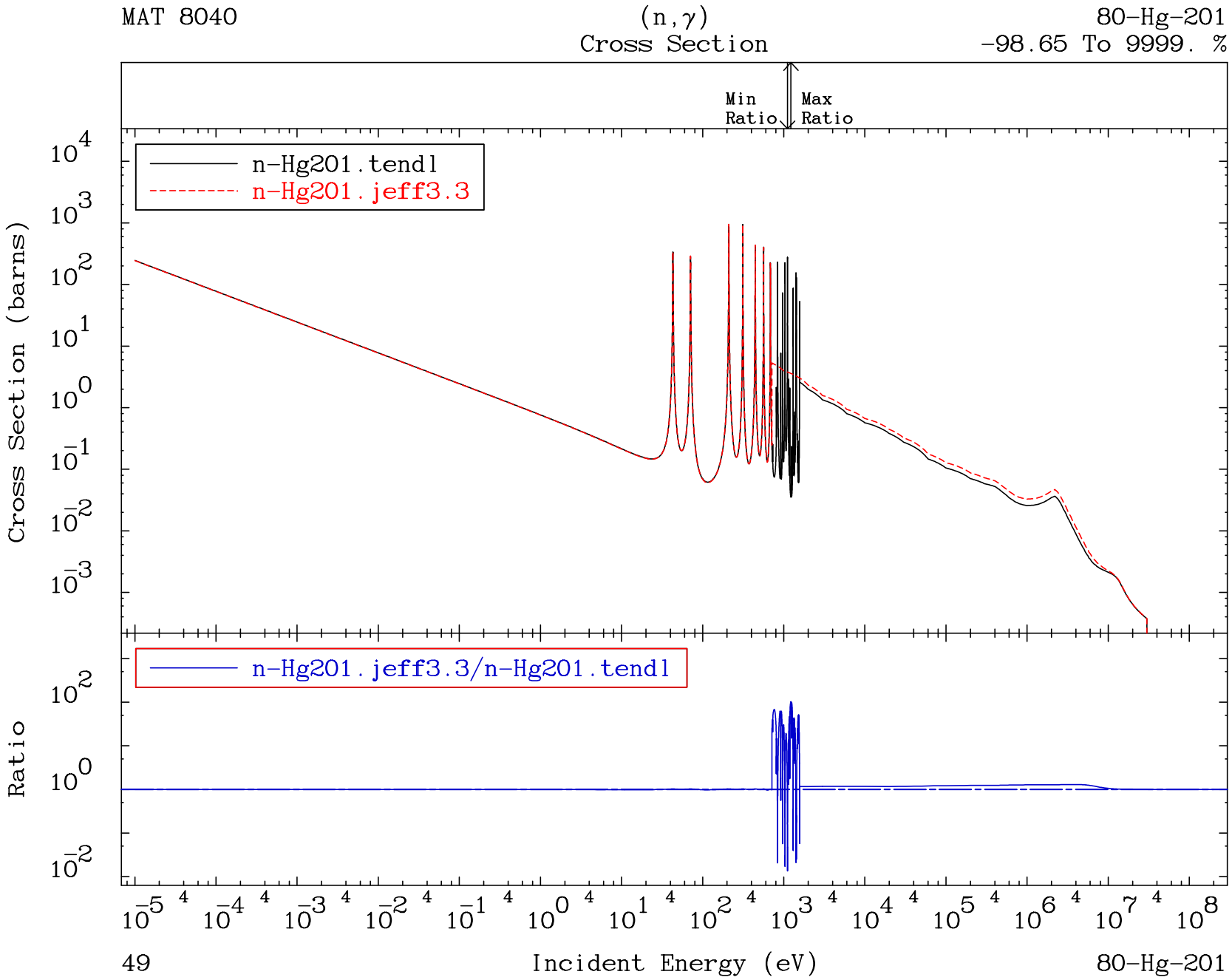

MAT 8040
MT= 77 (n,n') Level
Cross Section
80-Hg-201
-0.551 To 0.000 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 1.9558 MeV
n-Hg201.jeff3.3 Threshold 1.9558 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
44
Incident Energy (eV)
80-Hg-201

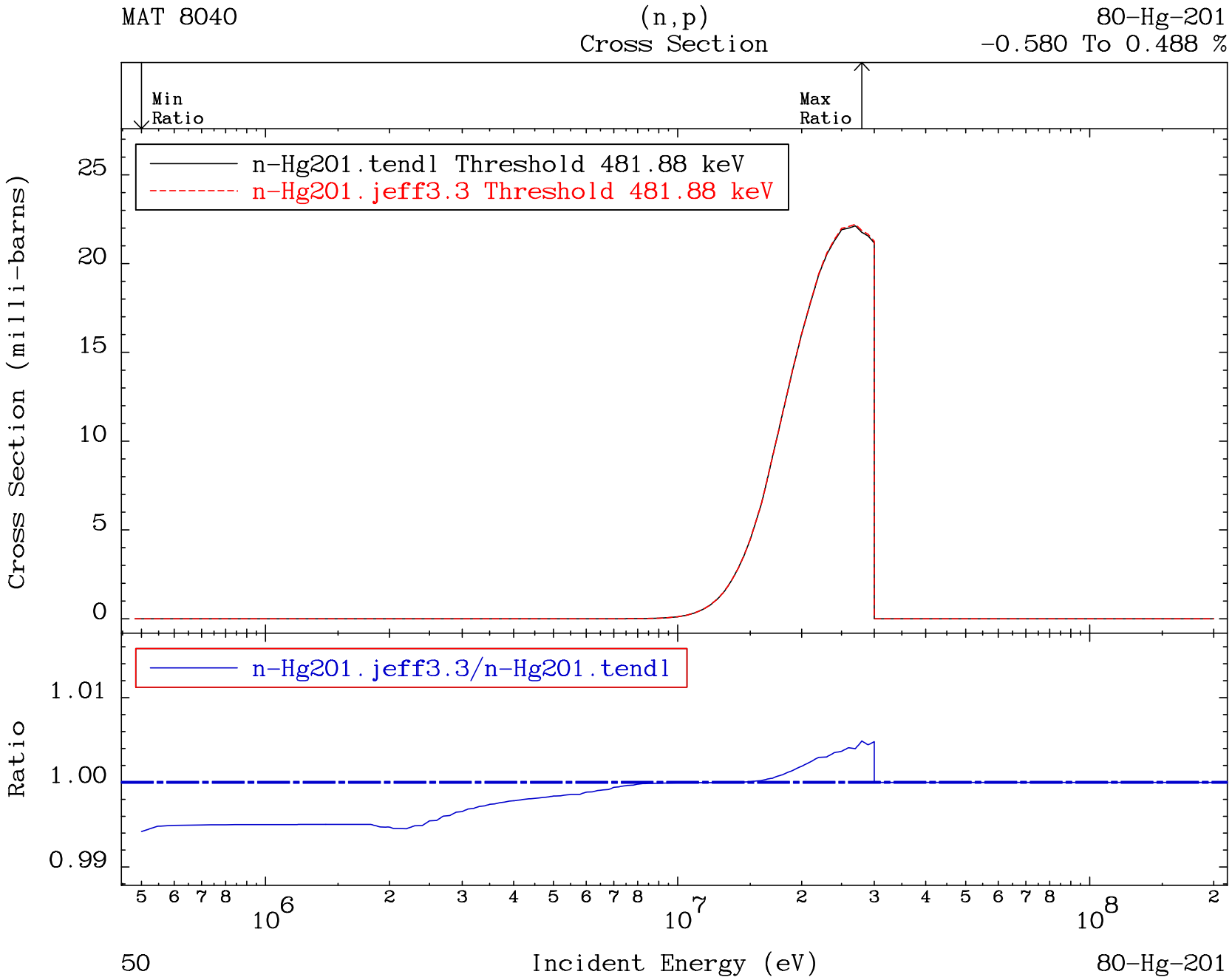

MAT 8040
MT= 78 (n,n') Level
Cross Section
80-Hg-201
-0.479 To 0.000 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 1.9809 MeV
n-Hg201.jeff3.3 Threshold 1.9809 MeV
Cross Section (milli-barns)
16
14
12
10
8
6
4
2
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
45
Incident Energy (eV)
80-Hg-201

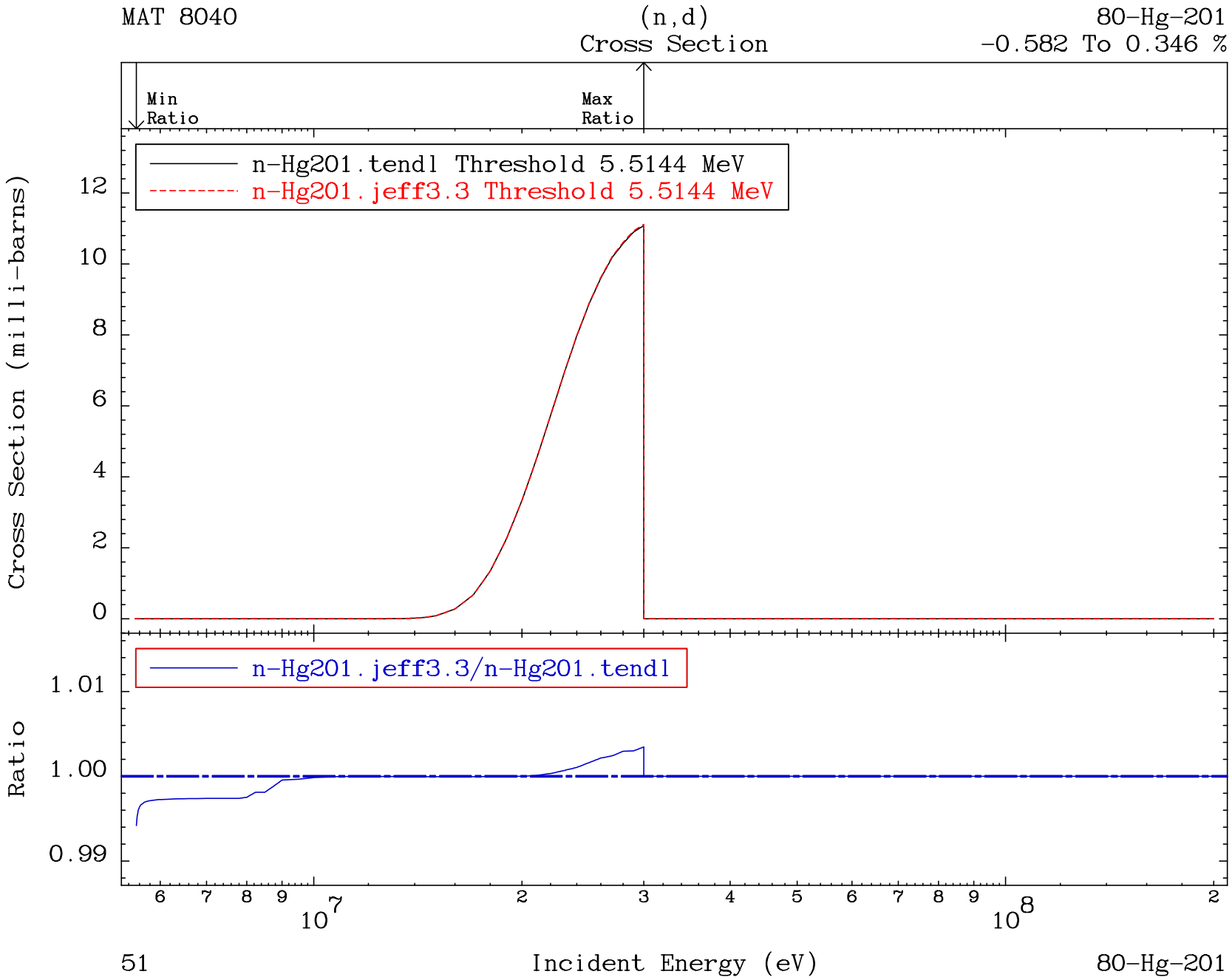

MAT 8040
MT= 79 (n,n') Level
Cross Section
80-Hg-201
-0.750 To 0.000 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 2.0472 MeV
n-Hg201.jeff3.3 Threshold 2.0472 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
46
Incident Energy (eV)
80-Hg-201

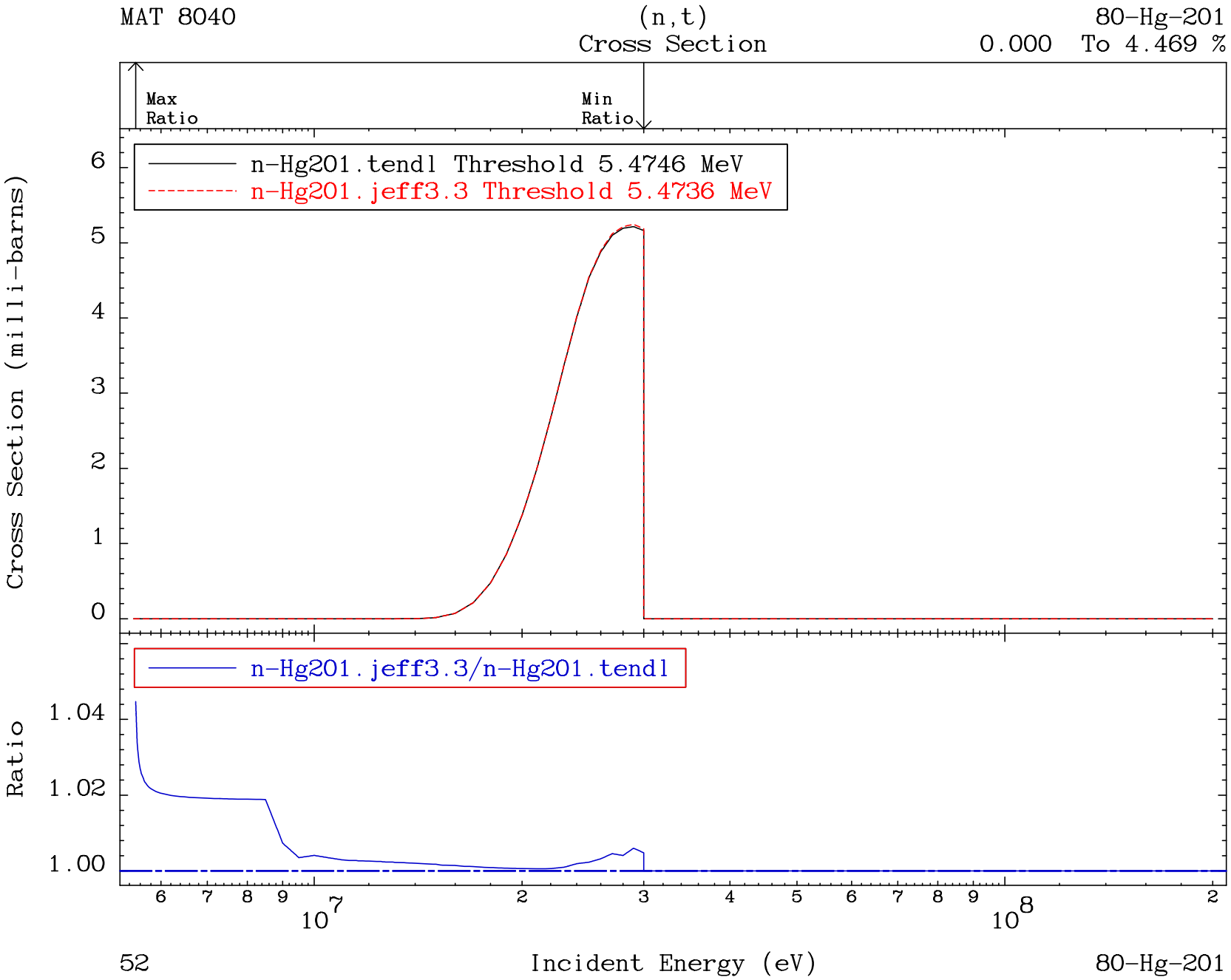

MAT 8040
MT= 80 (n,n') Level
Cross Section
80-Hg-201
-0.551 To 0.000 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 2.0914 MeV
n-Hg201.jeff3.3 Threshold 2.0914 MeV
Cross Section (milli-barns)
16
14
12
10
8
6
4
2
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
47
Incident Energy (eV)
80-Hg-201

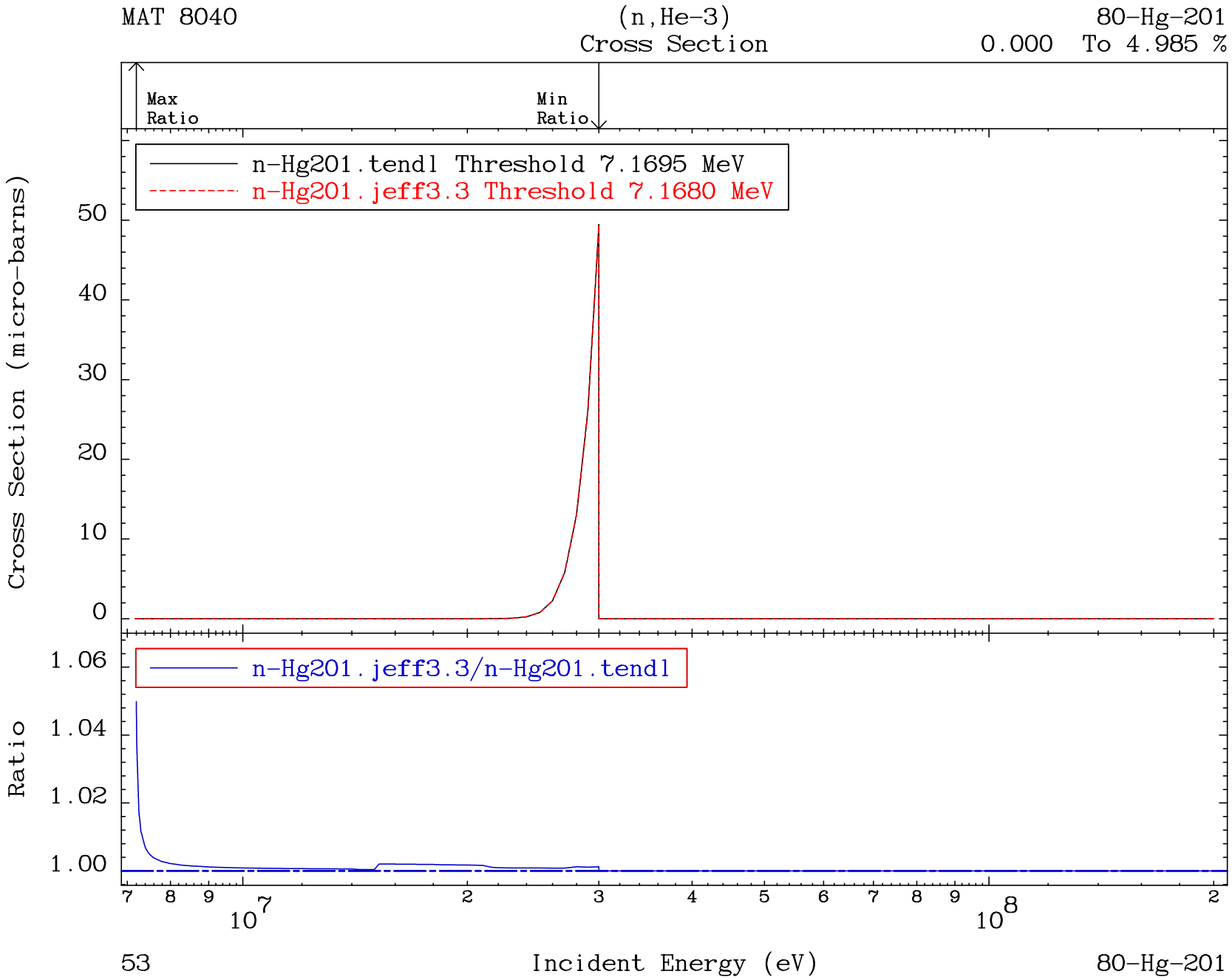

MAT 8040
(n,n') Continuum
Cross Section
80-Hg-201
-0.218 To 3.381 %
Min
Ratio
Max
Ratio
n-Hg201.tendl Threshold 2.0914 MeV
n-Hg201.jeff3.3 Threshold 2.0914 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.04
1.02
1.00
2 3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
48
Incident Energy (eV)
80-Hg-201

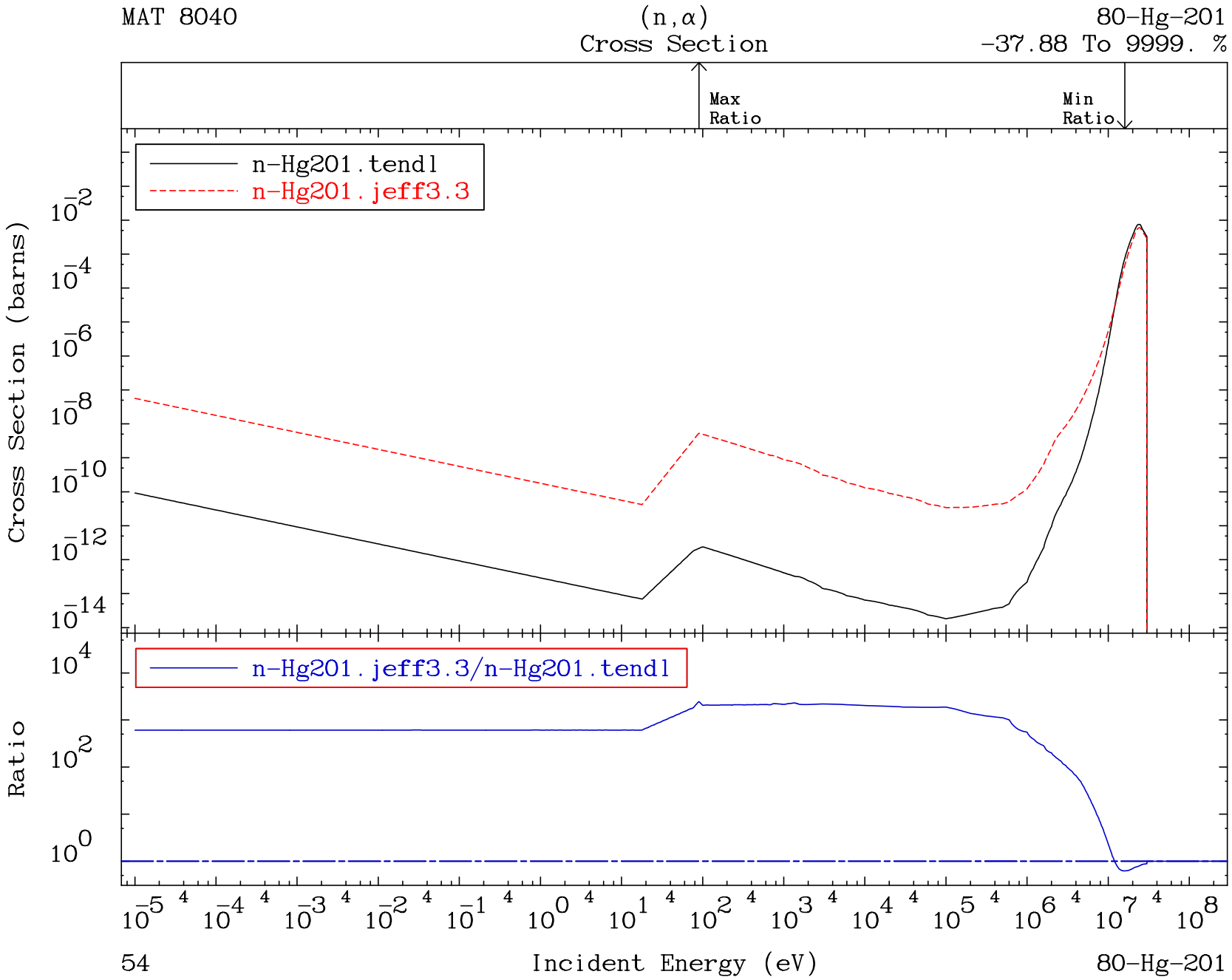

MAT 8040
(n,γ)
Cross Section
80-Hg-201
-98.65 To 9999. %
Min Ratio
Max Ratio
n-Hg201.tendl
n-Hg201.jeff3.3
Cross Section (barns)
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
Incident Energy (eV)
49
80-Hg-201

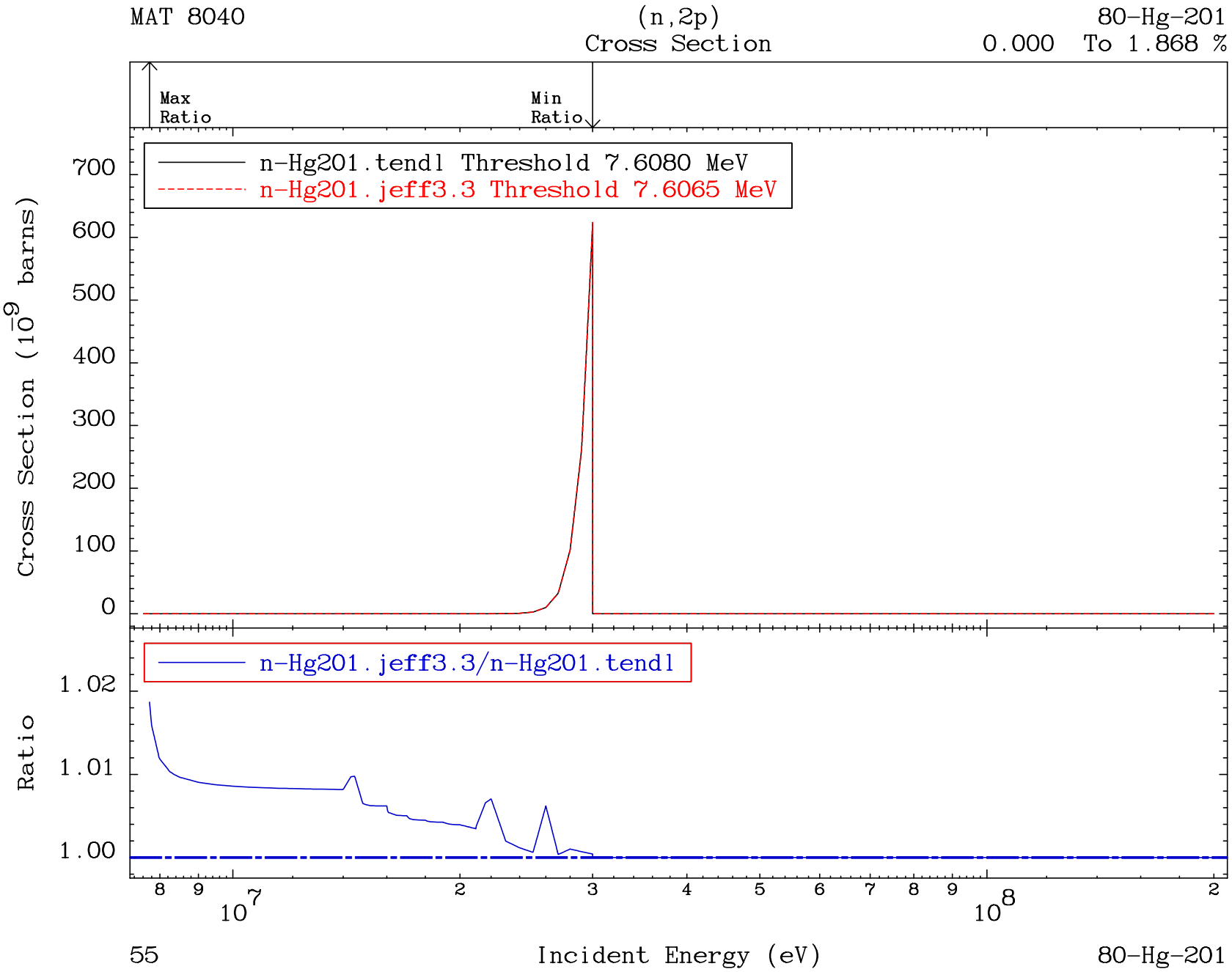

MAT 8040
(n,p)
Cross Section
80-Hg-201
-0.580 To 0.488 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 481.88 keV
n-Hg201.jeff3.3 Threshold 481.88 keV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.01
1.00
0.99
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
50
Incident Energy (eV)
80-Hg-201

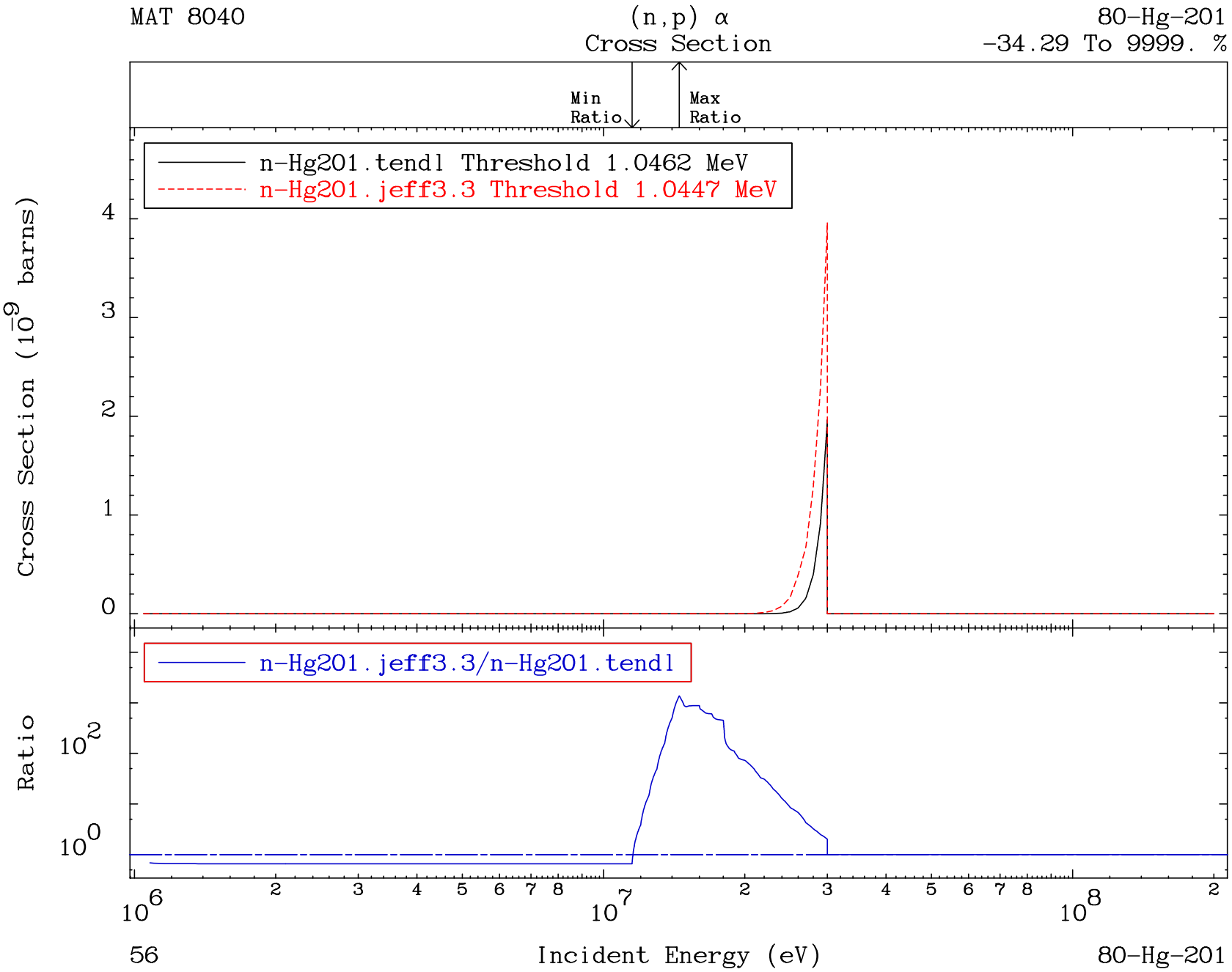

MAT 8040
(n,d)
Cross Section
80-Hg-201
-0.582 To 0.346 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 5.5144 MeV
n-Hg201.jeff3.3 Threshold 5.5144 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
12
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
0.99
1.00
1.01
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
51
Incident Energy (eV)
80-Hg-201

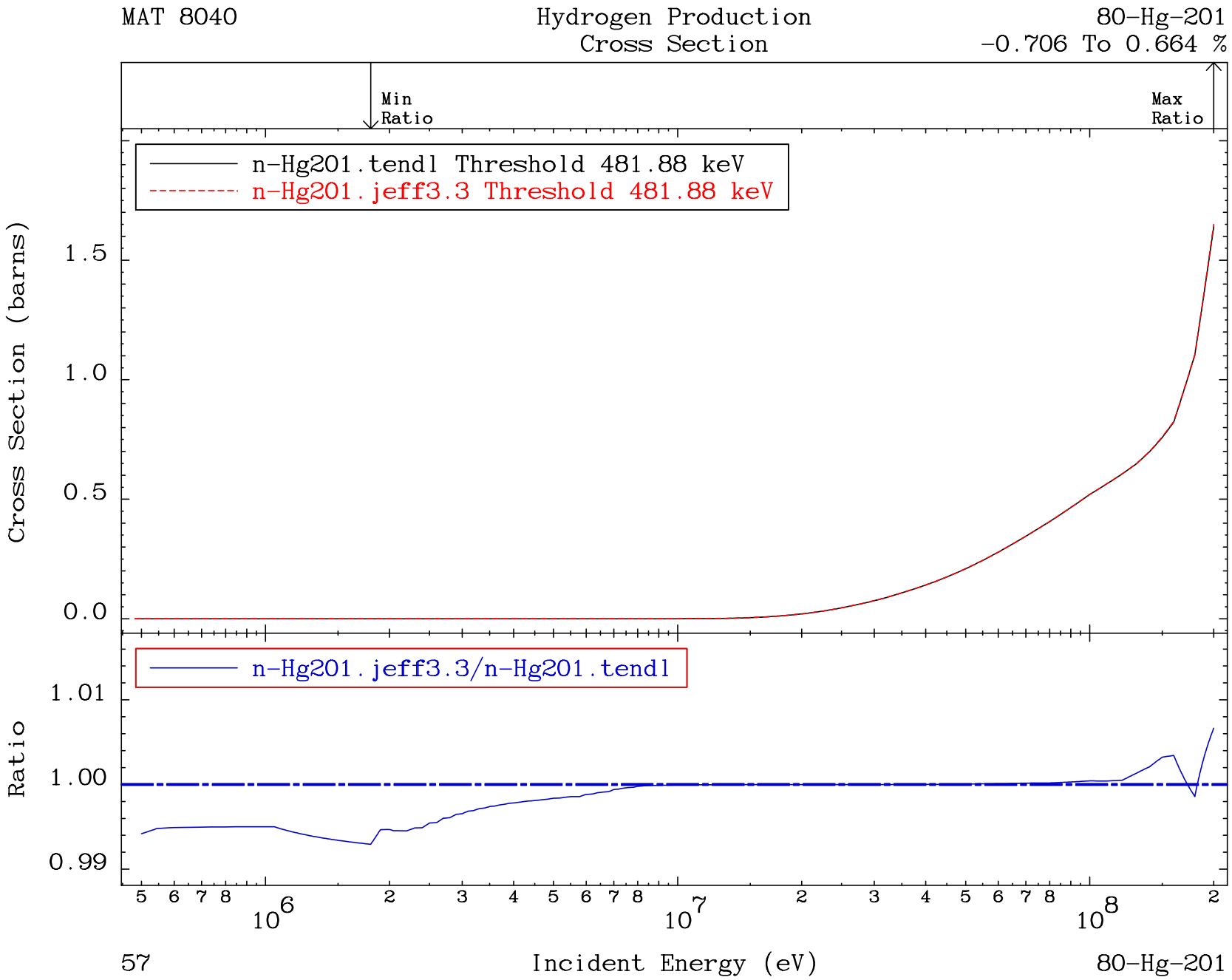

MAT 8040
(n,t)
Cross Section
80-Hg-201
0.000 To 4.469 %
Max Ratio
Min Ratio
n-Hg201.tendl Threshold 5.4746 MeV
n-Hg201.jeff3.3 Threshold 5.4736 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.00
1.02
1.04
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
52
Incident Energy (eV)
80-Hg-201

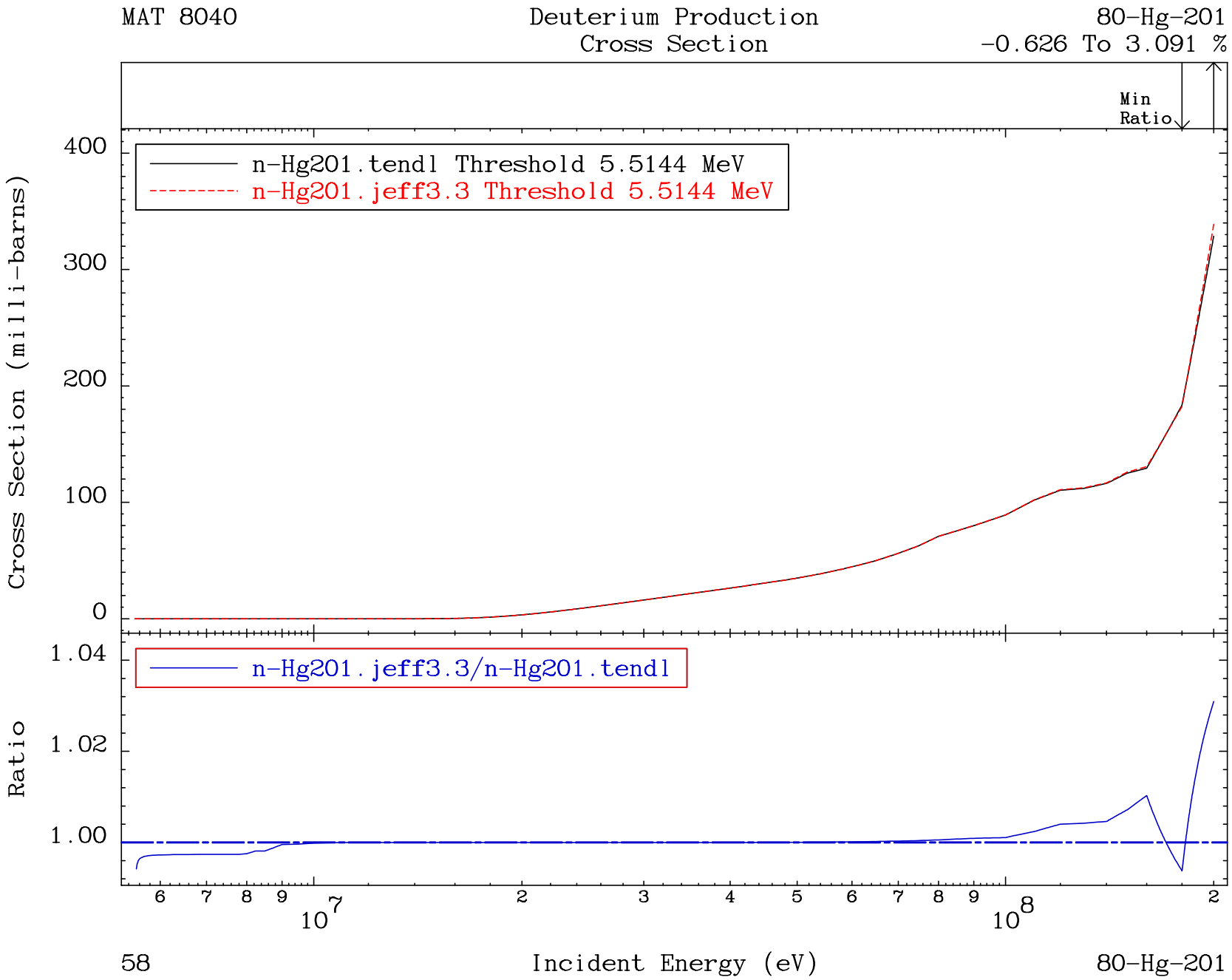

MAT 8040
(n,He-3)
Cross Section
80-Hg-201
0.000 To 4.985 %
Max Ratio
Min Ratio
n-Hg201.tendl Threshold 7.1695 MeV
n-Hg201.jeff3.3 Threshold 7.1680 MeV
Cross Section (micro-barns)
50
40
30
20
10
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.06
1.04
1.02
1.00
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
53
Incident Energy (eV)
80-Hg-201

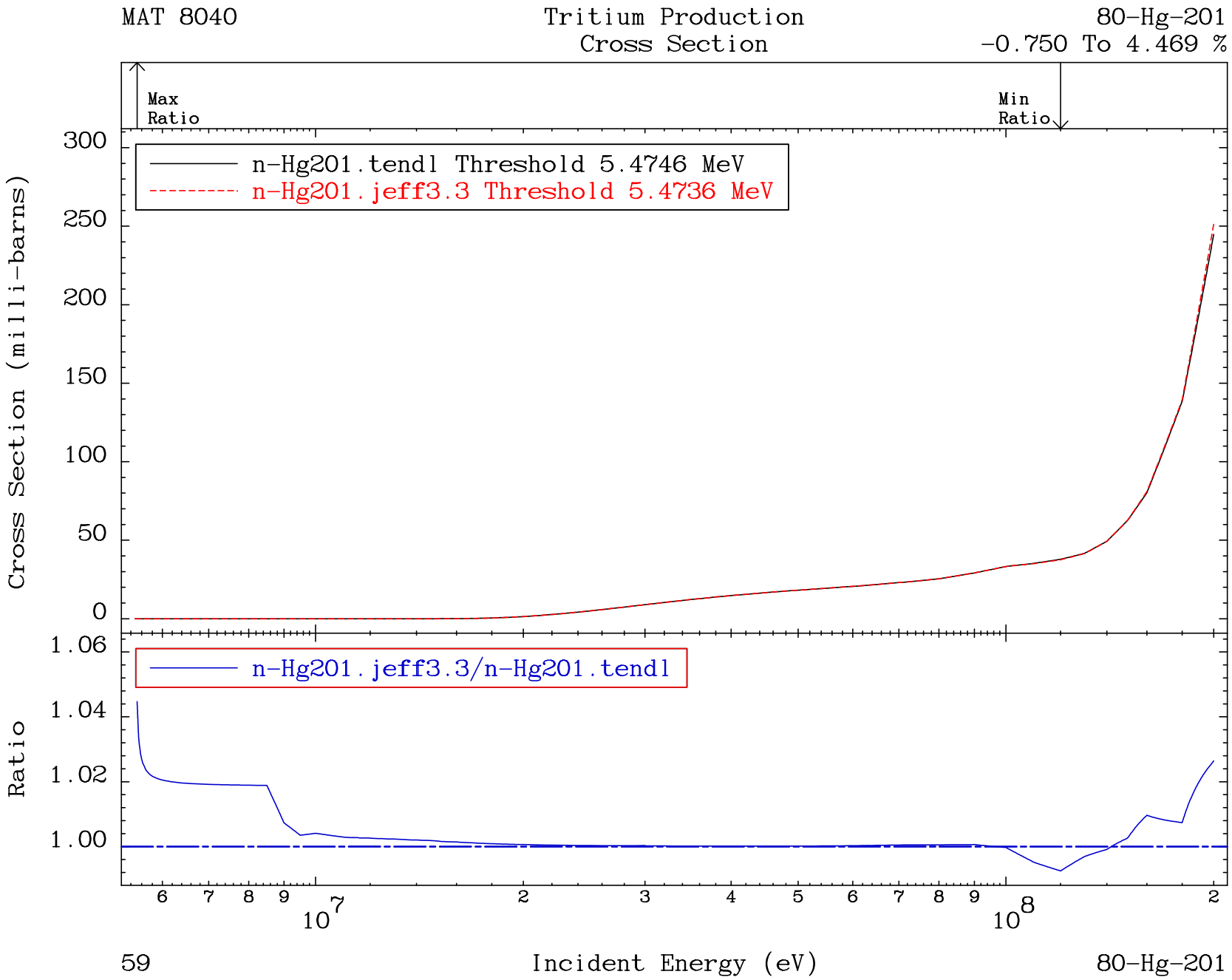

MAT 8040
(n,α)
Cross Section
80-Hg-201
-37.88 To 9999. %
Max
Ratio
Min
Ratio
n-Hg201.tendl
n-Hg201.jeff3.3
Cross Section (barns)
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
Incident Energy (eV)
54
80-Hg-201

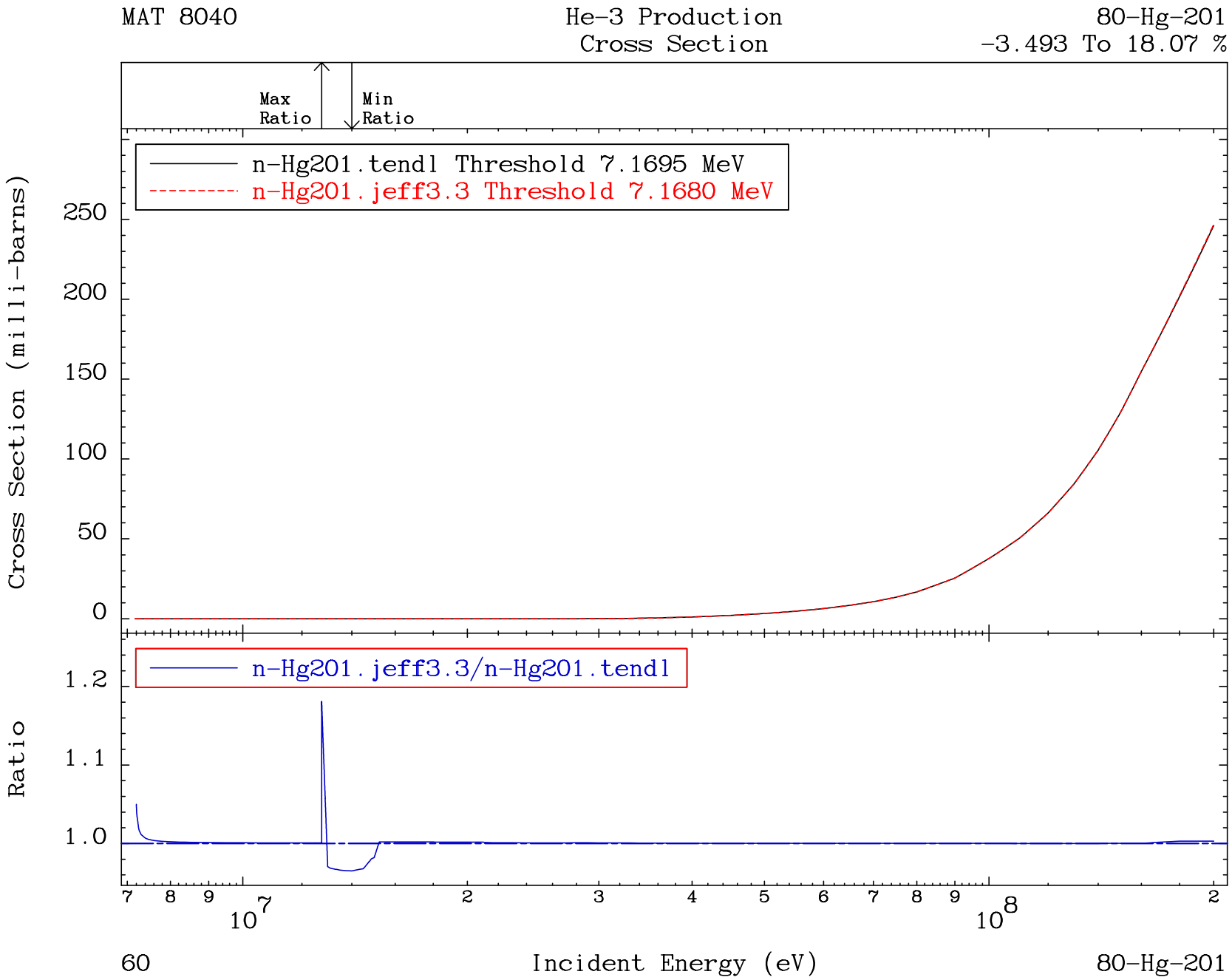

MAT 8040
(n,2p)
Cross Section
80-Hg-201
0.000 To 1.868 %
Max Ratio
Min Ratio
n-Hg201.tendl Threshold 7.6080 MeV
n-Hg201.jeff3.3 Threshold 7.6065 MeV
Cross Section (10^{-9} barns)
700
600
500
400
300
200
100
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.02
1.01
1.00
8 9 10^{7} 2 3 4 5 6 7 8 9 10^{8} 2
55
Incident Energy (eV)
80-Hg-201

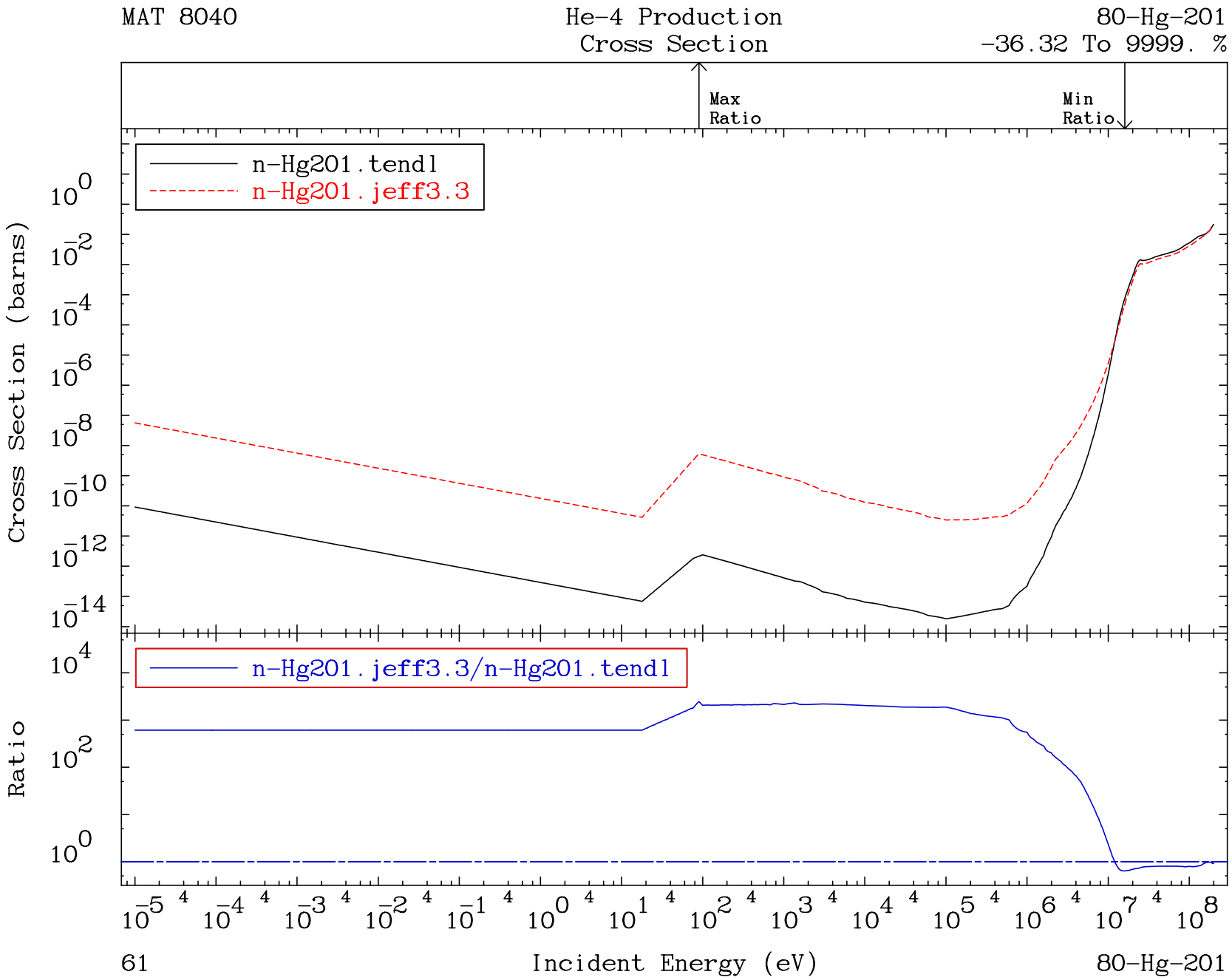

MAT 8040
(n,p) α
Cross Section
80-Hg-201
-34.29 To 9999. %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 1.0462 MeV
n-Hg201.jeff3.3 Threshold 1.0447 MeV
Cross Section (10^-9 barns)
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
Incident Energy (eV)
56
80-Hg-201

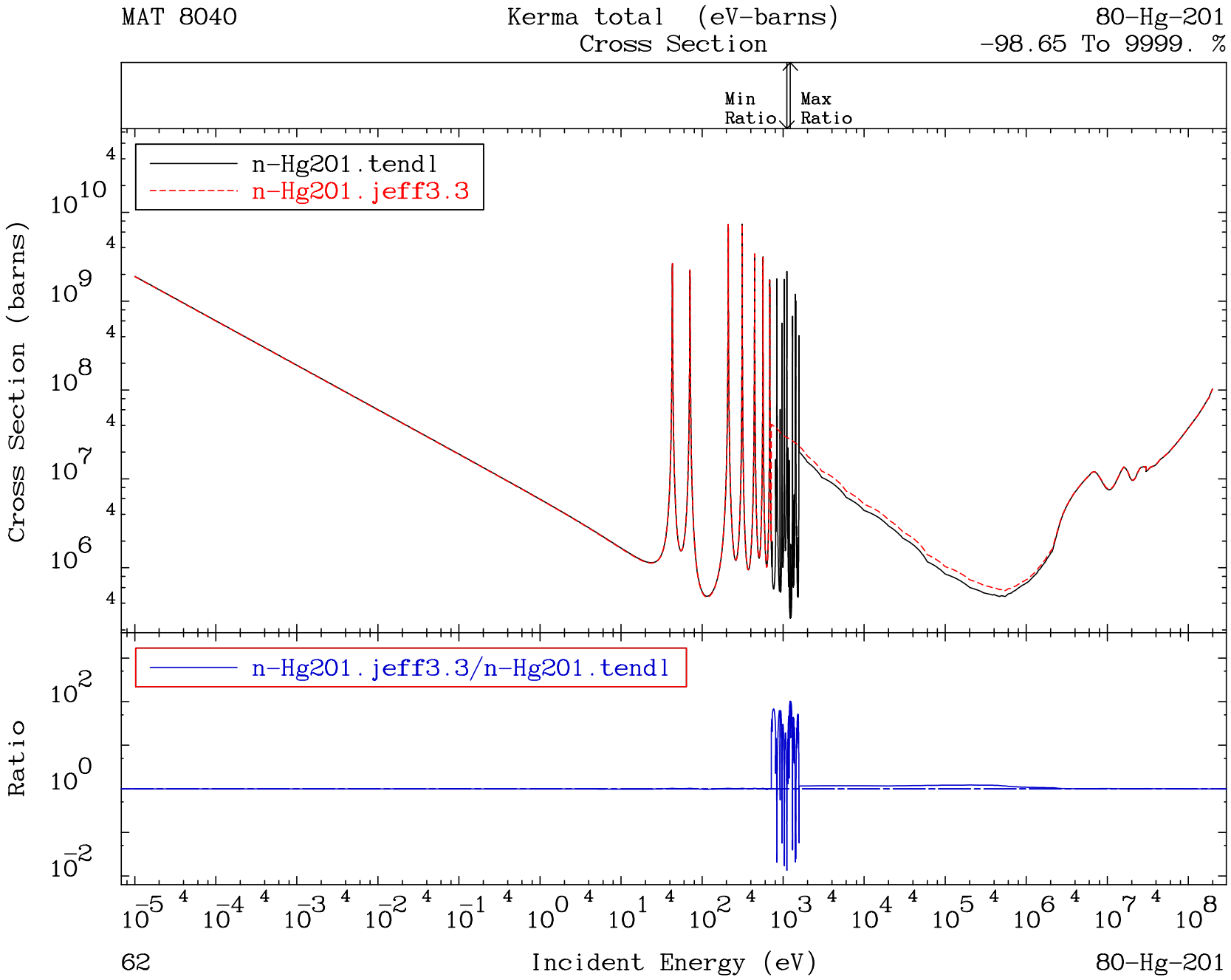

MAT 8040
Hydrogen Production
Cross Section
80-Hg-201
-0.706 To 0.664 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 481.88 keV
n-Hg201.jeff3.3 Threshold 481.88 keV
Cross Section (barns)
1.5
1.0
0.5
0.0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.01
1.00
0.99
5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
57
Incident Energy (eV)
80-Hg-201

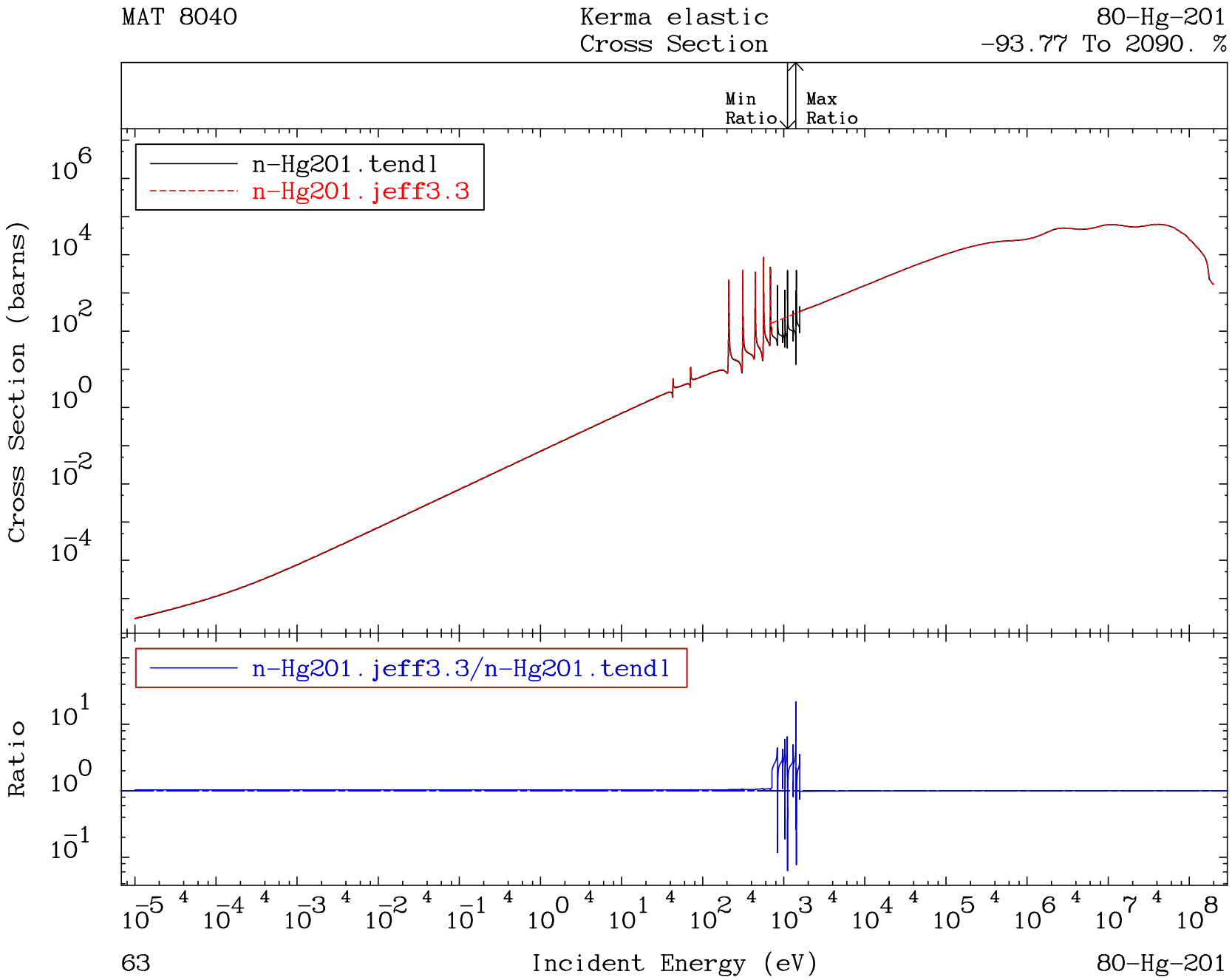

MAT 8040
Deuterium Production
Cross Section
80-Hg-201
-0.626 To 3.091 %
Min
Ratio
n-Hg201.tendl Threshold 5.5144 MeV
n-Hg201.jeff3.3 Threshold 5.5144 MeV
Cross Section (milli-barns)
400
300
200
100
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.04
1.02
1.00
6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
58
Incident Energy (eV)
80-Hg-201

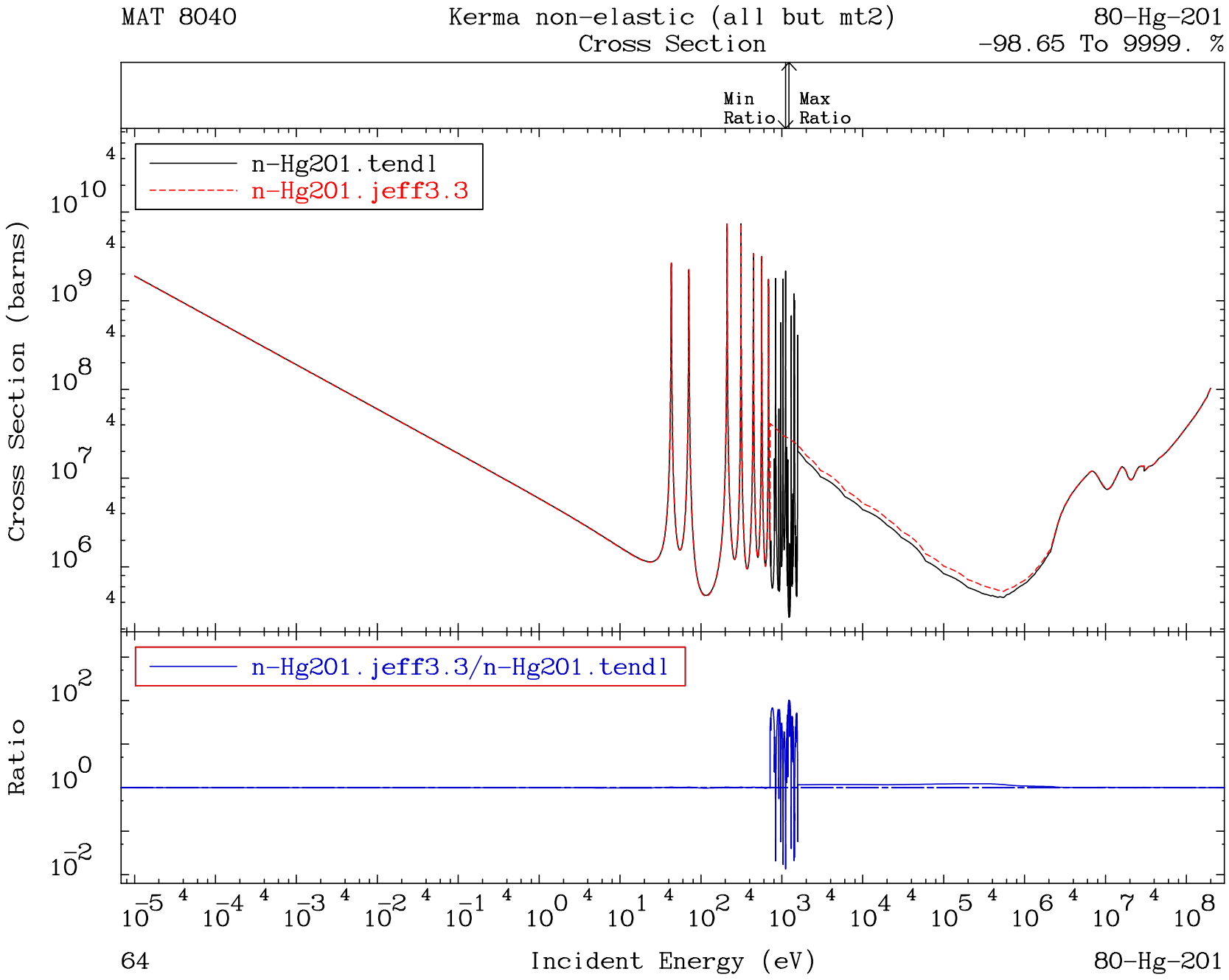

MAT 8040
Tritium Production
Cross Section
80-Hg-201
-0.750 To 4.469 %
Max
Ratio
Min
Ratio
n-Hg201.tendl Threshold 5.4746 MeV
n-Hg201.jeff3.3 Threshold 5.4736 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.06
1.04
1.02
1.00
6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
59
Incident Energy (eV)
80-Hg-201

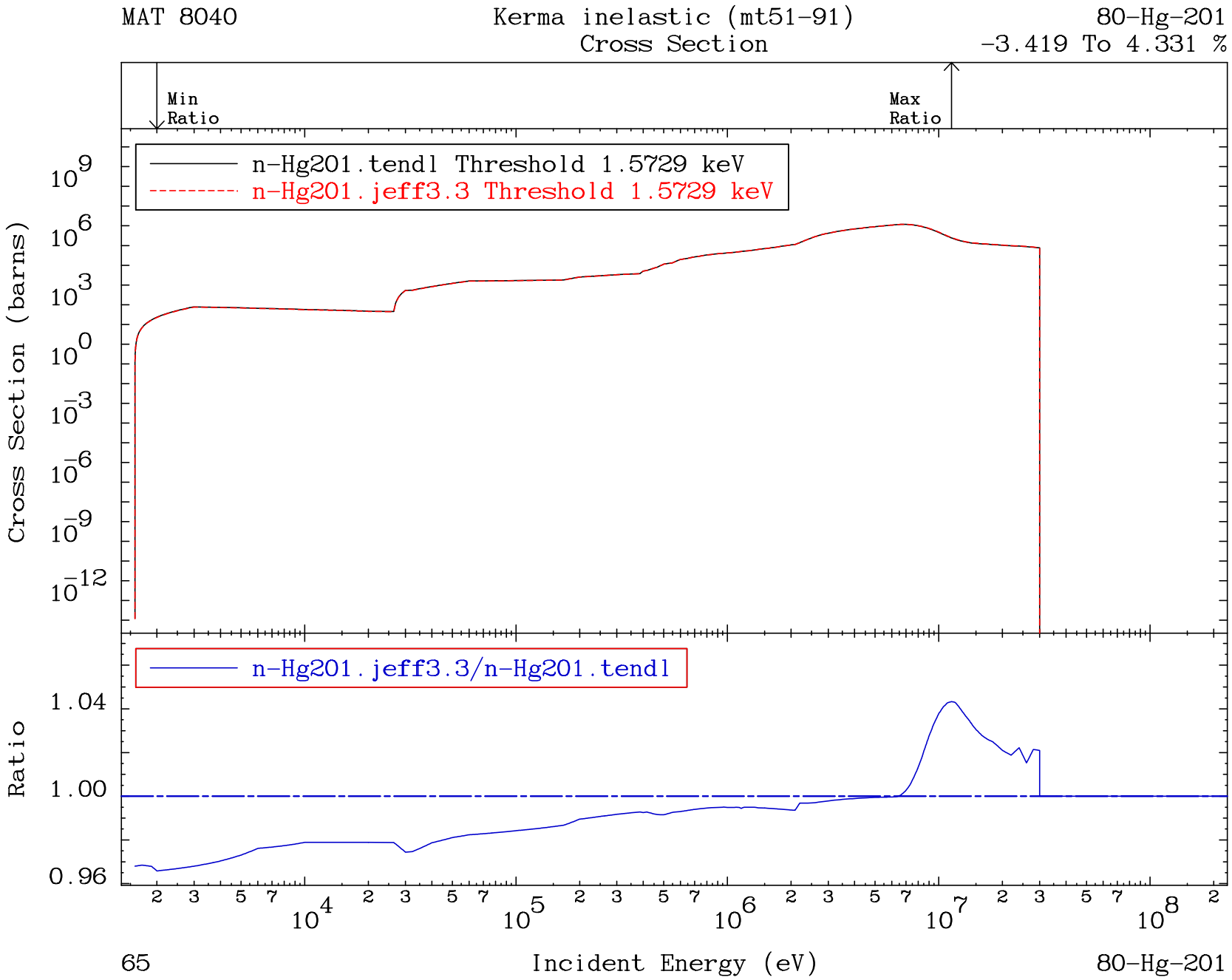

MAT 8040
He-3 Production
Cross Section
80-Hg-201
-3.493 To 18.07 %
Max Ratio
Min Ratio
n-Hg201.tendl Threshold 7.1695 MeV
n-Hg201.jeff3.3 Threshold 7.1680 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.2
1.1
1.0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
60
Incident Energy (eV)
80-Hg-201

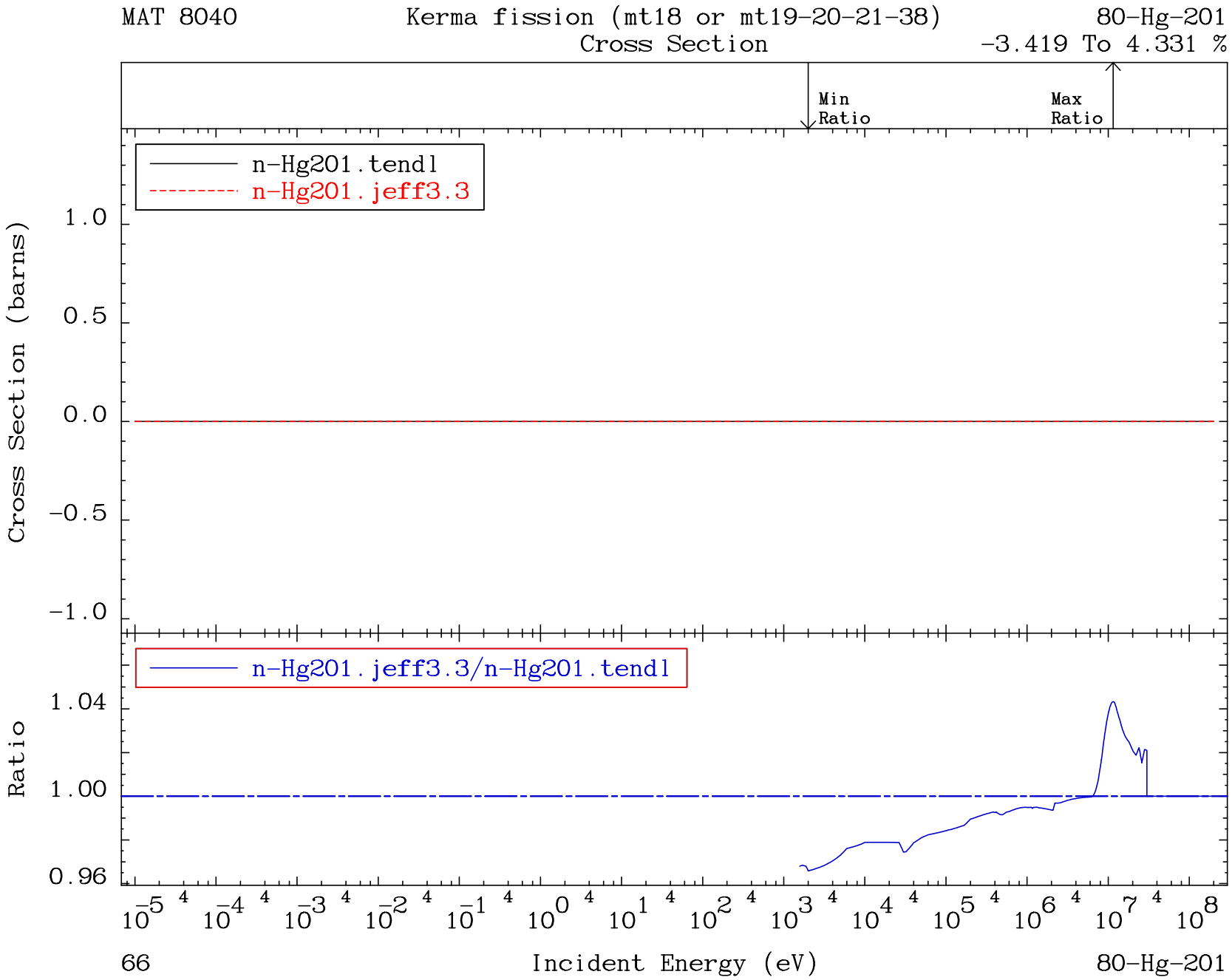

MAT 8040
He-4 Production
Cross Section
80-Hg-201
-36.32 To 9999. %
Max
Ratio
Min
Ratio
n-Hg201.tendl
n-Hg201.jeff3.3
Cross Section (barns)
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
Incident Energy (eV)
61
80-Hg-201

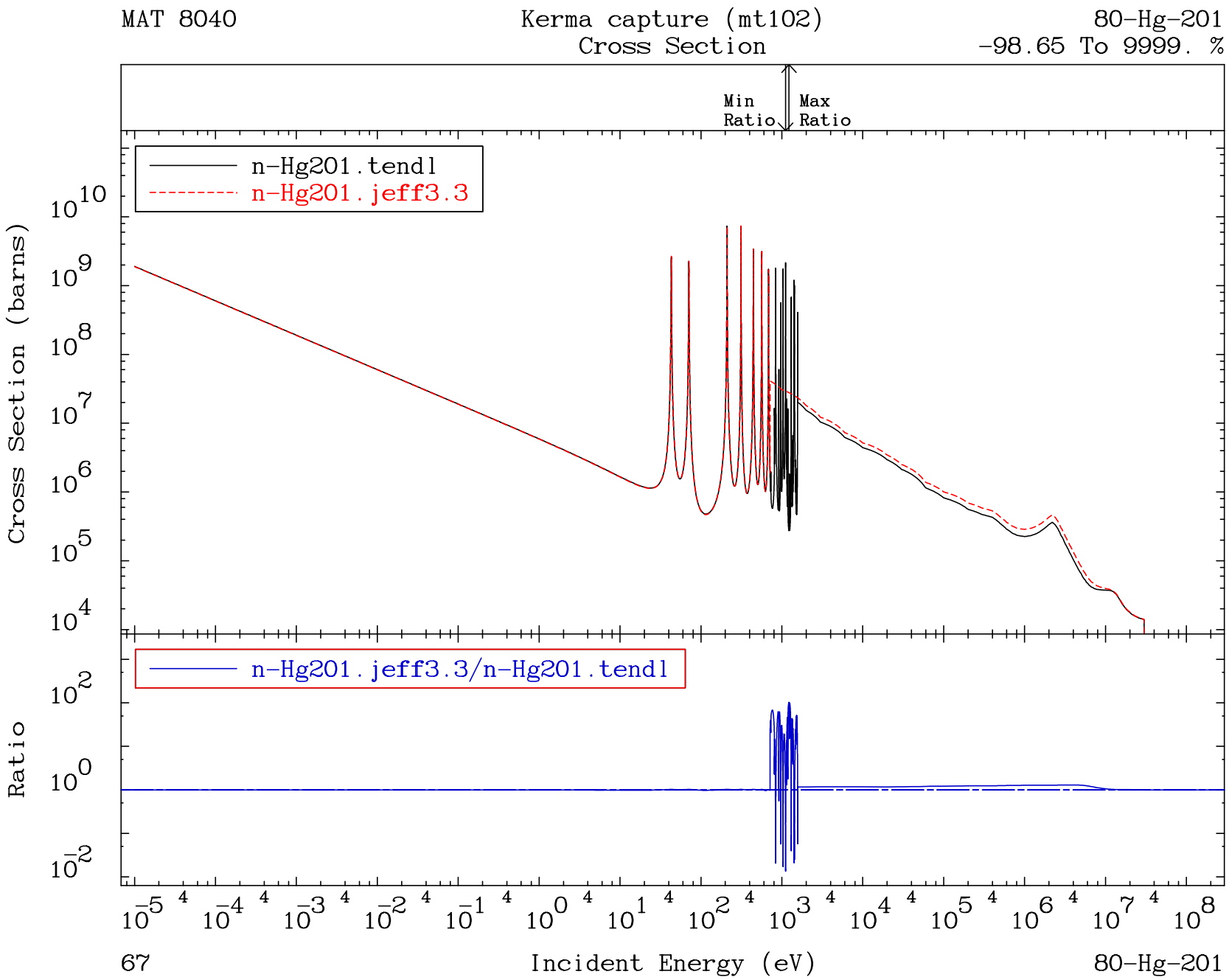

MAT 8040
Kerma total (eV-barns)
Cross Section
80-Hg-201
-98.65 To 9999. %
Min Ratio
Max Ratio
n-Hg201.tendl
n-Hg201.jeff3.3
Cross Section (barns)
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
62
Incident Energy (eV)
80-Hg-201

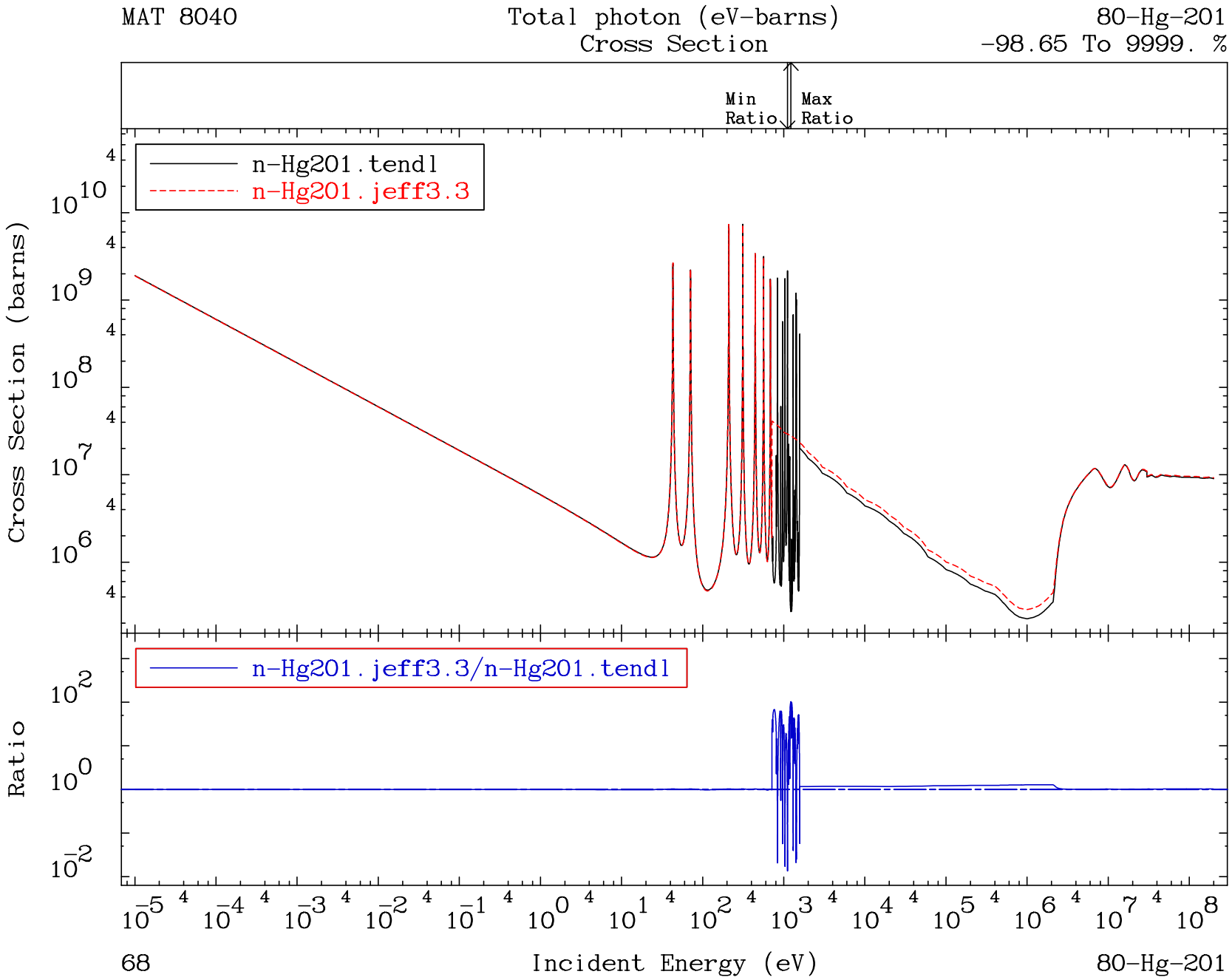

MAT 8040
Kerma elastic
Cross Section
80-Hg-201
-93.77 To 2090. %
Min
Ratio
Max
Ratio
n-Hg201.tendl
n-Hg201.jeff3.3
Cross Section (barns)
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
Incident Energy (eV)
63
80-Hg-201

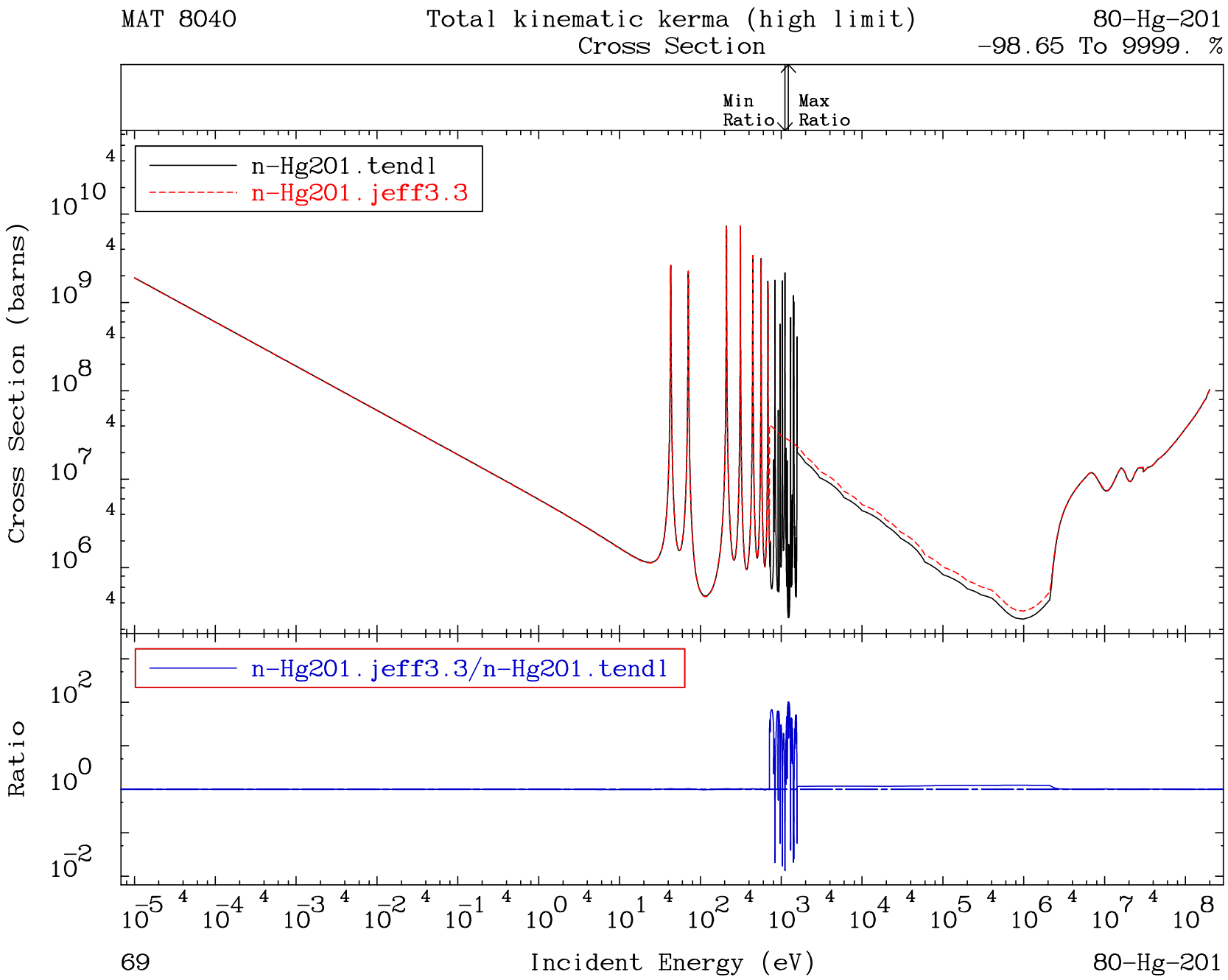

MAT 8040
Kerma non-elastic (all but mt2)
Cross Section
80-Hg-201
-98.65 To 9999. %
Min Ratio
Max Ratio
n-Hg201.tendl
n-Hg201.jeff3.3
Cross Section (barns)
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
Incident Energy (eV)
64
80-Hg-201

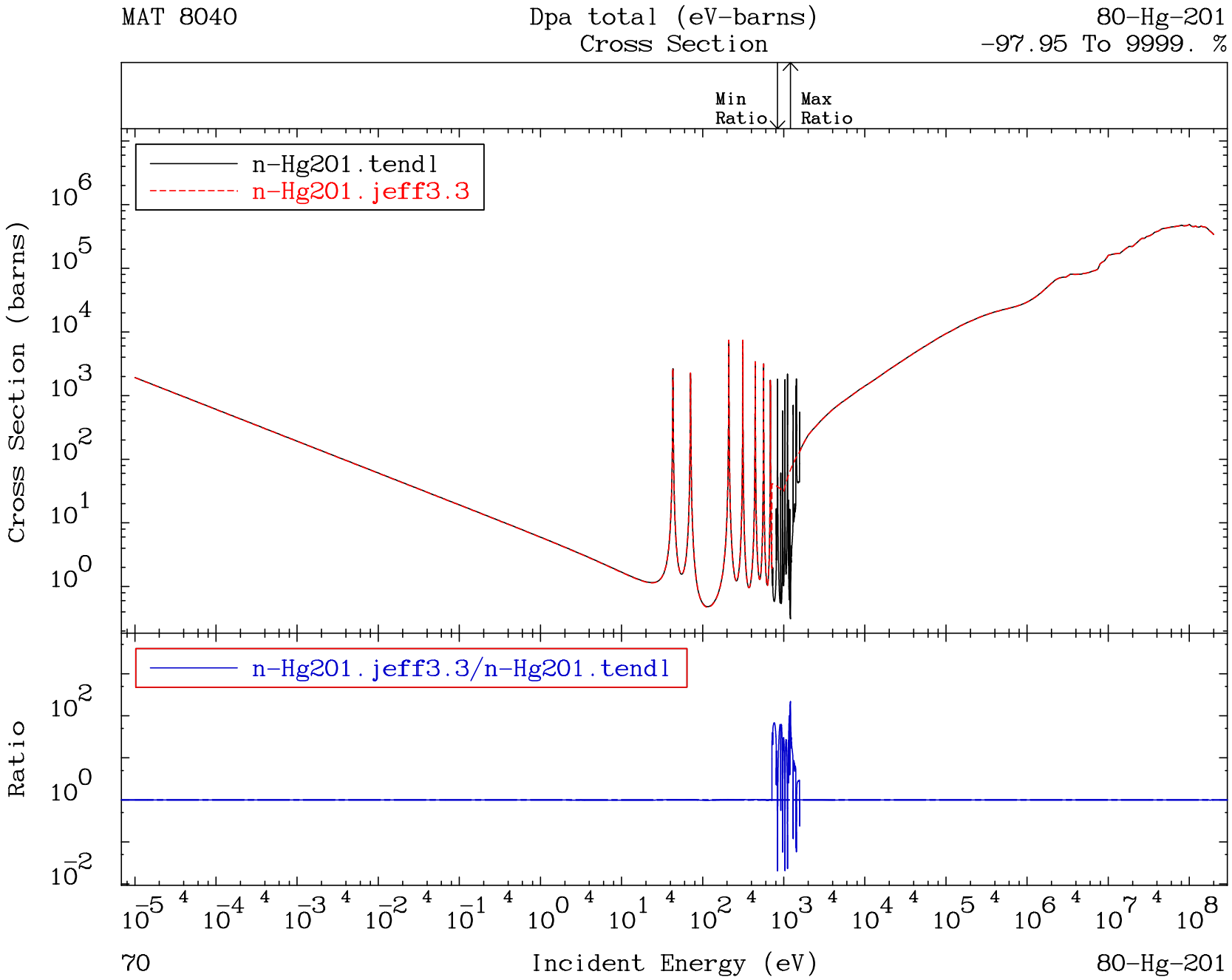

MAT 8040
Kerma inelastic (mt51-91)
Cross Section
80-Hg-201
-3.419 To 4.331 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 1.5729 keV
n-Hg201.jeff3.3 Threshold 1.5729 keV
Cross Section (barns)
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
Incident Energy (eV)
65
80-Hg-201

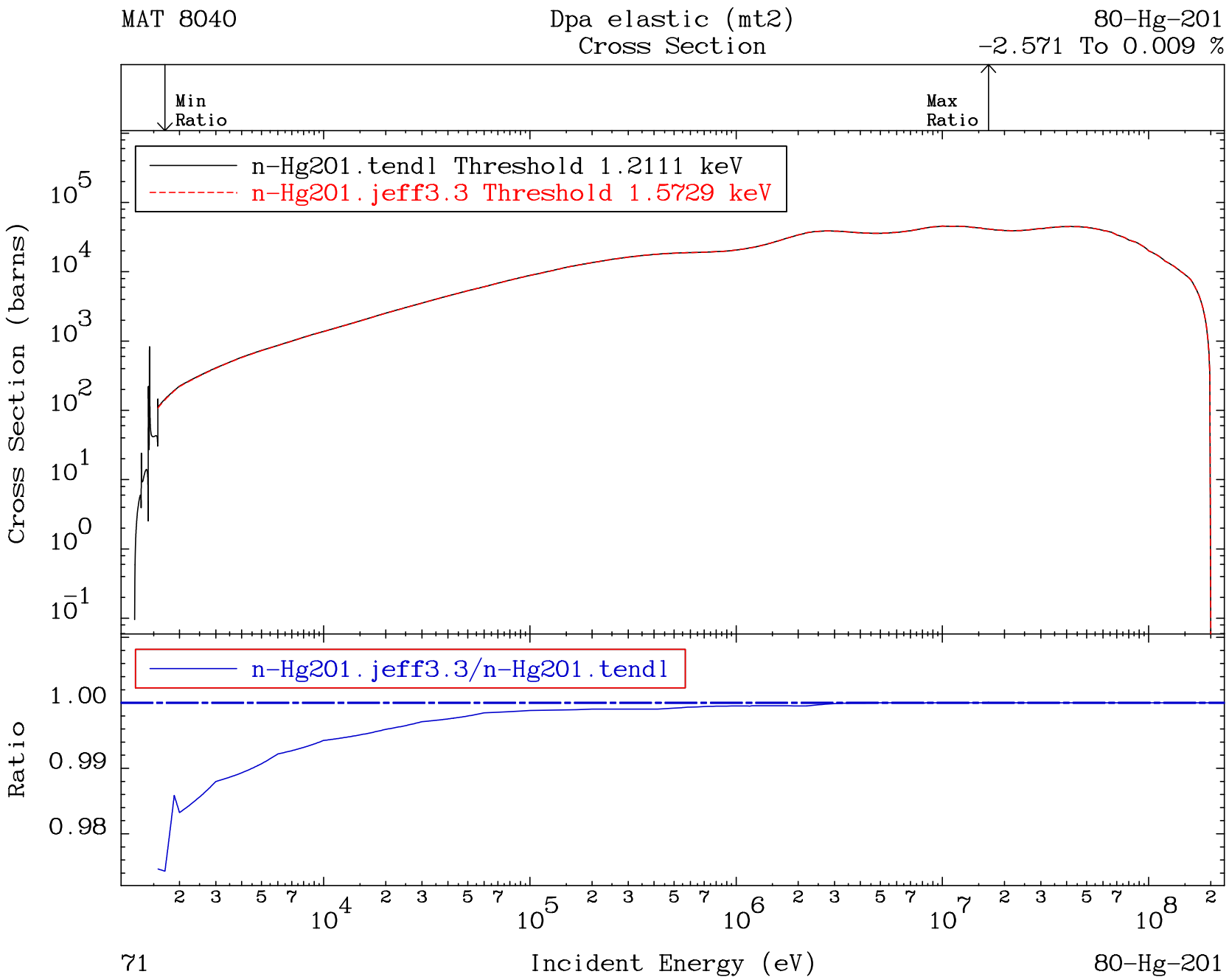

MAT 8040
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
80-Hg-201
-3.419 To 4.331 %
Min Ratio
Max Ratio
n-Hg201.tendl
n-Hg201.jeff3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.04
1.00
0.96
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
66
Incident Energy (eV)
80-Hg-201

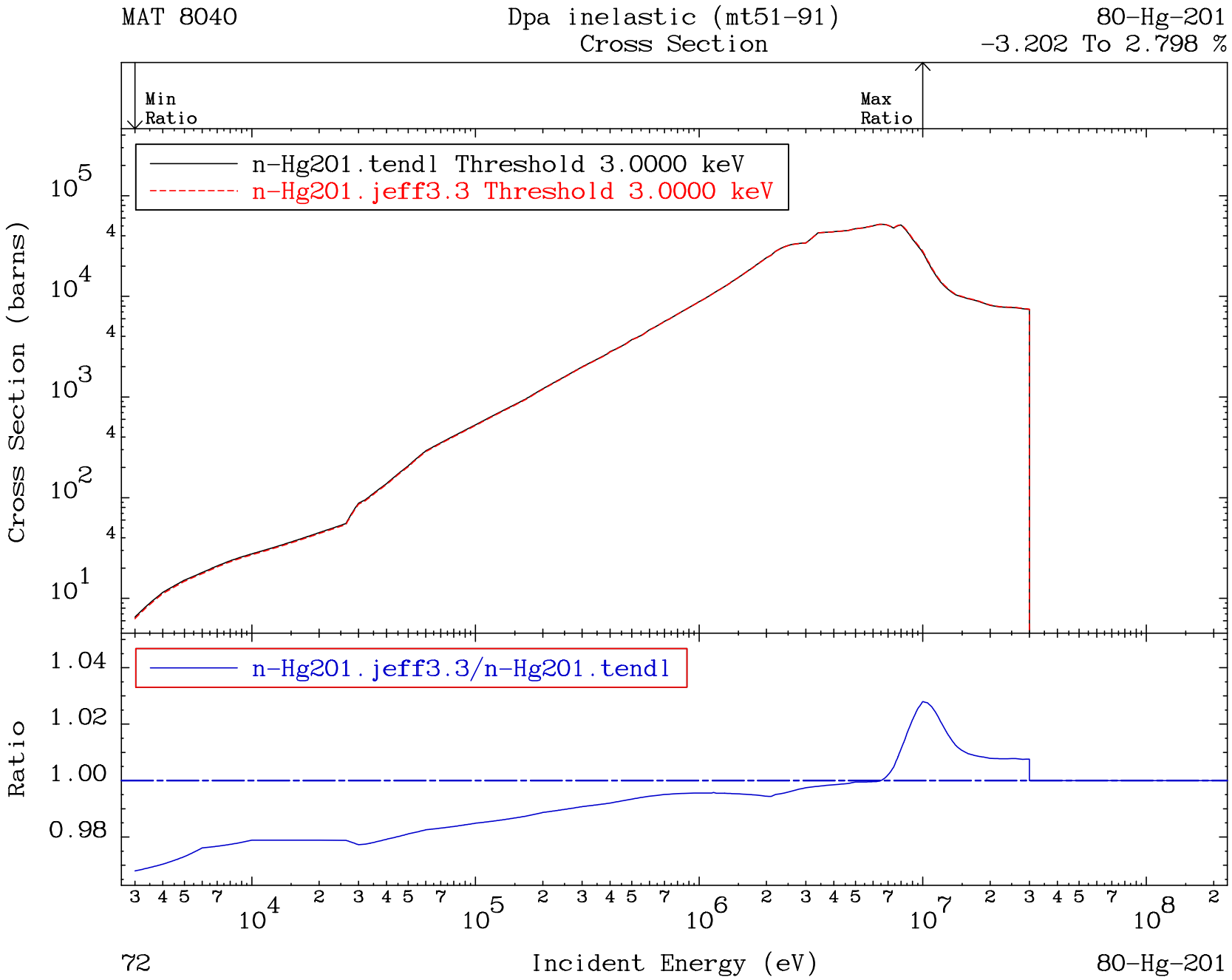

MAT 8040
Kerma capture (mt102)
Cross Section
80-Hg-201
-98.65 To 9999. %
Min Ratio
Max Ratio
n-Hg201.tendl
n-Hg201.jeff3.3
Cross Section (barns)
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
Incident Energy (eV)
67
80-Hg-201

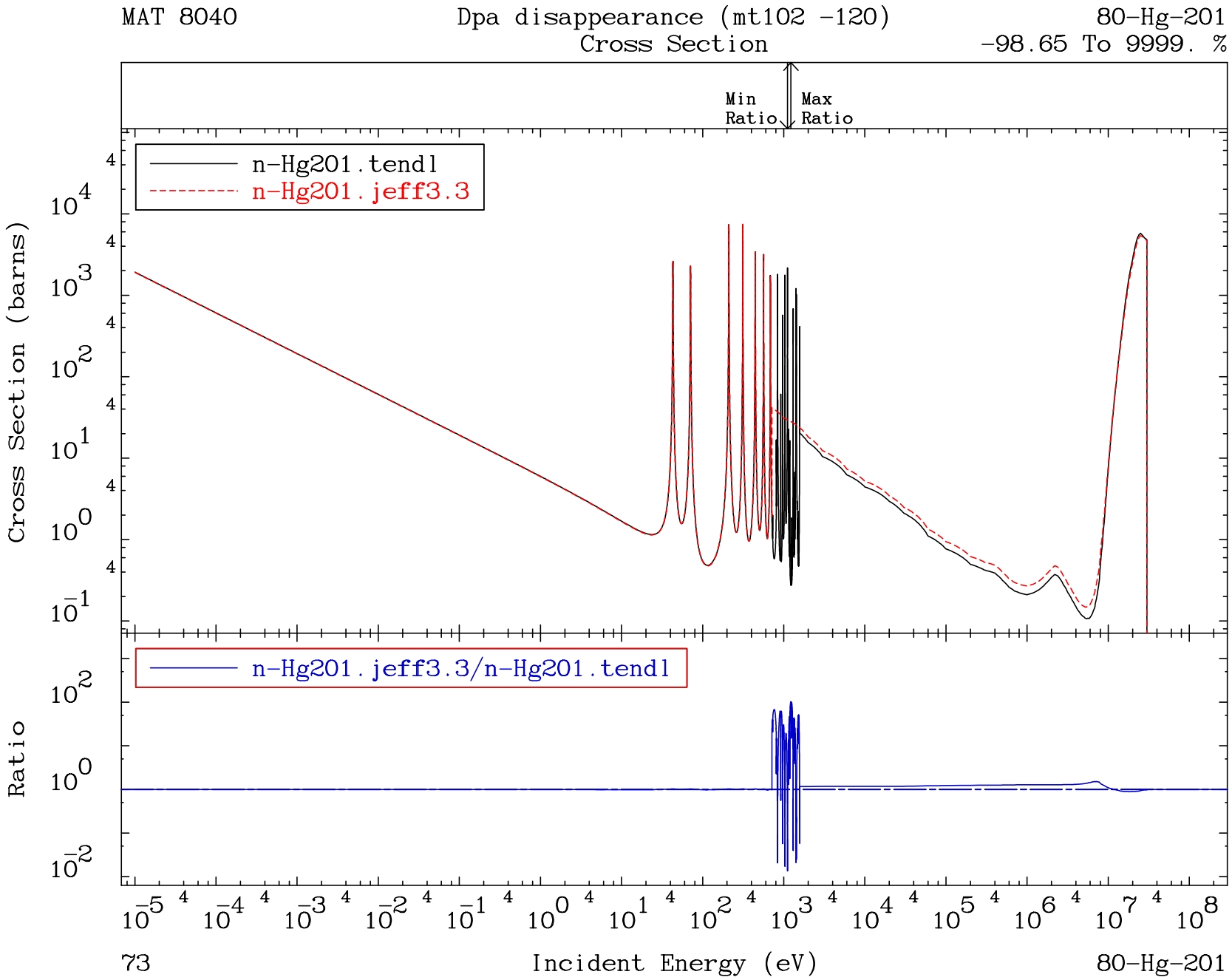

MAT 8040
Total photon (eV-barns)
Cross Section
80-Hg-201
-98.65 To 9999. %
Min Ratio
Max Ratio
n-Hg201.tendl
n-Hg201.jeff3.3
Cross Section (barns)
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
Incident Energy (eV)
68
80-Hg-201

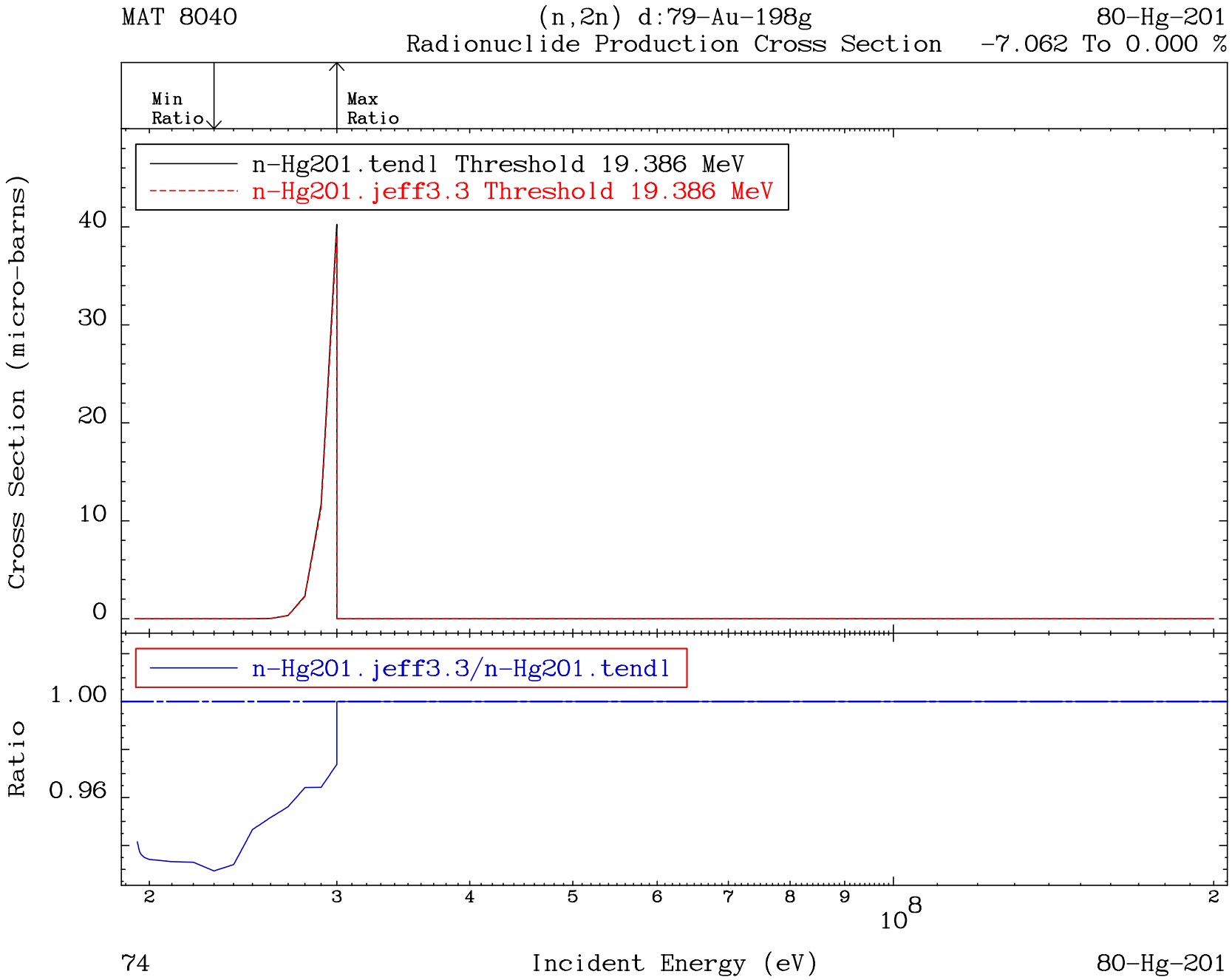

MAT 8040
Total kinematic kerma (high limit)
Cross Section
80-Hg-201
-98.65 To 9999. %
Min Ratio
Max Ratio
n-Hg201.tendl
n-Hg201.jeff3.3
Cross Section (barns)
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
Incident Energy (eV)
69
80-Hg-201

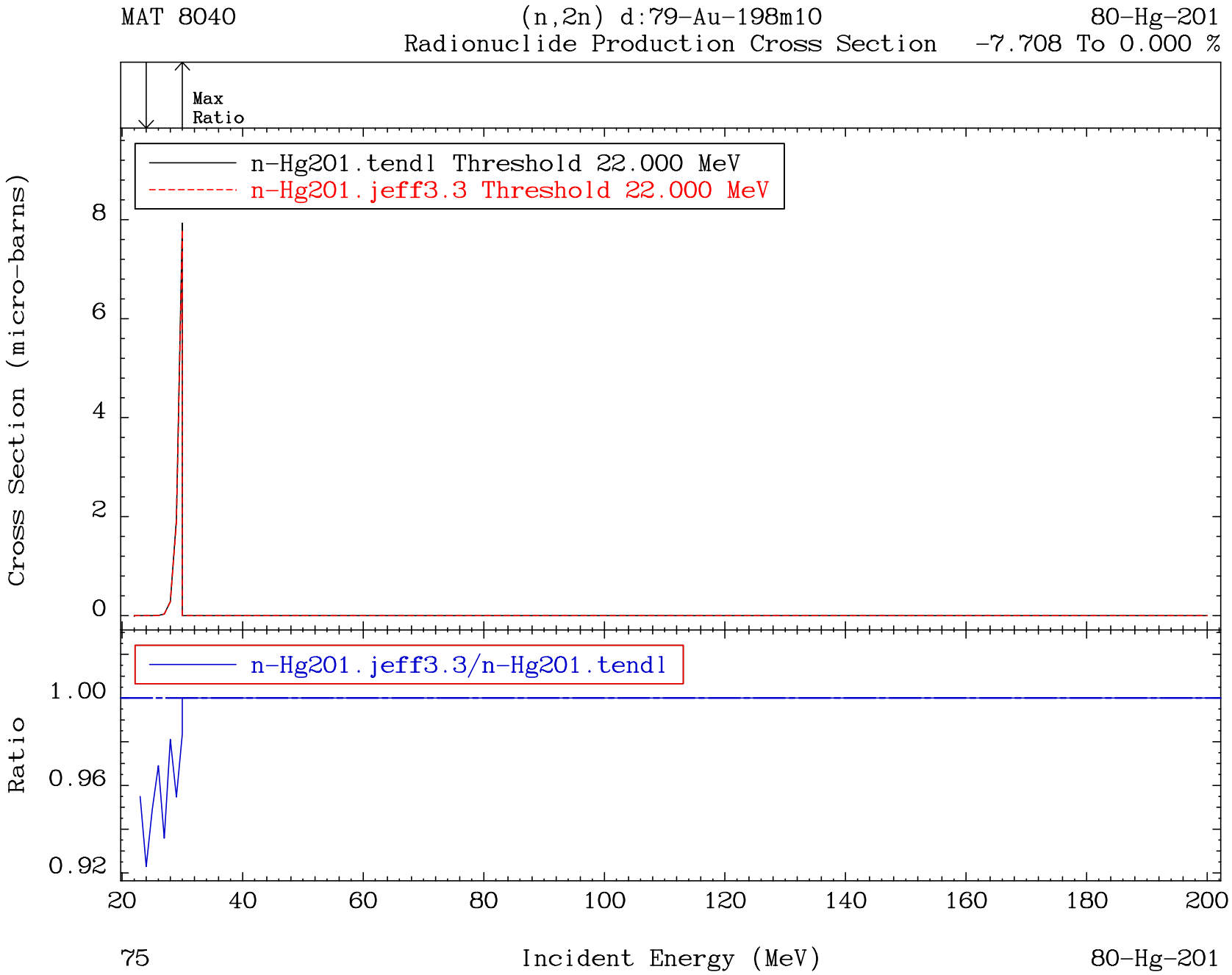

MAT 8040
Dpa total (eV-barns)
Cross Section
80-Hg-201
-97.95 To 9999. %
Min Ratio
Max Ratio
n-Hg201.tendl
n-Hg201.jeff3.3
Cross Section (barns)
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
Incident Energy (eV)
70
80-Hg-201

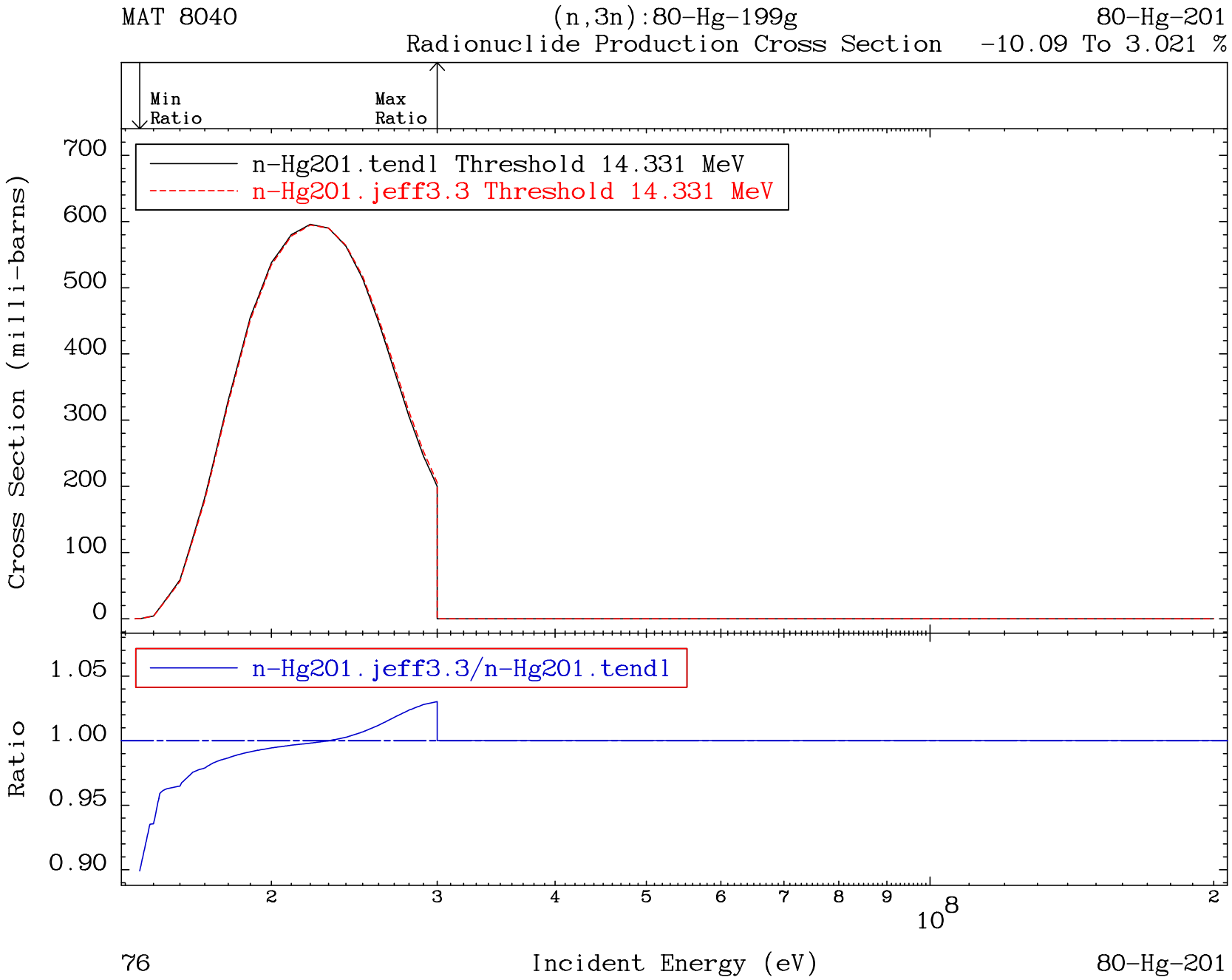

MAT 8040
Dpa elastic (mt2)
Cross Section
80-Hg-201
-2.571 To 0.009 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 1.2111 keV
n-Hg201.jeff3.3 Threshold 1.5729 keV
Cross Section (barns)
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
Incident Energy (eV)
71
80-Hg-201

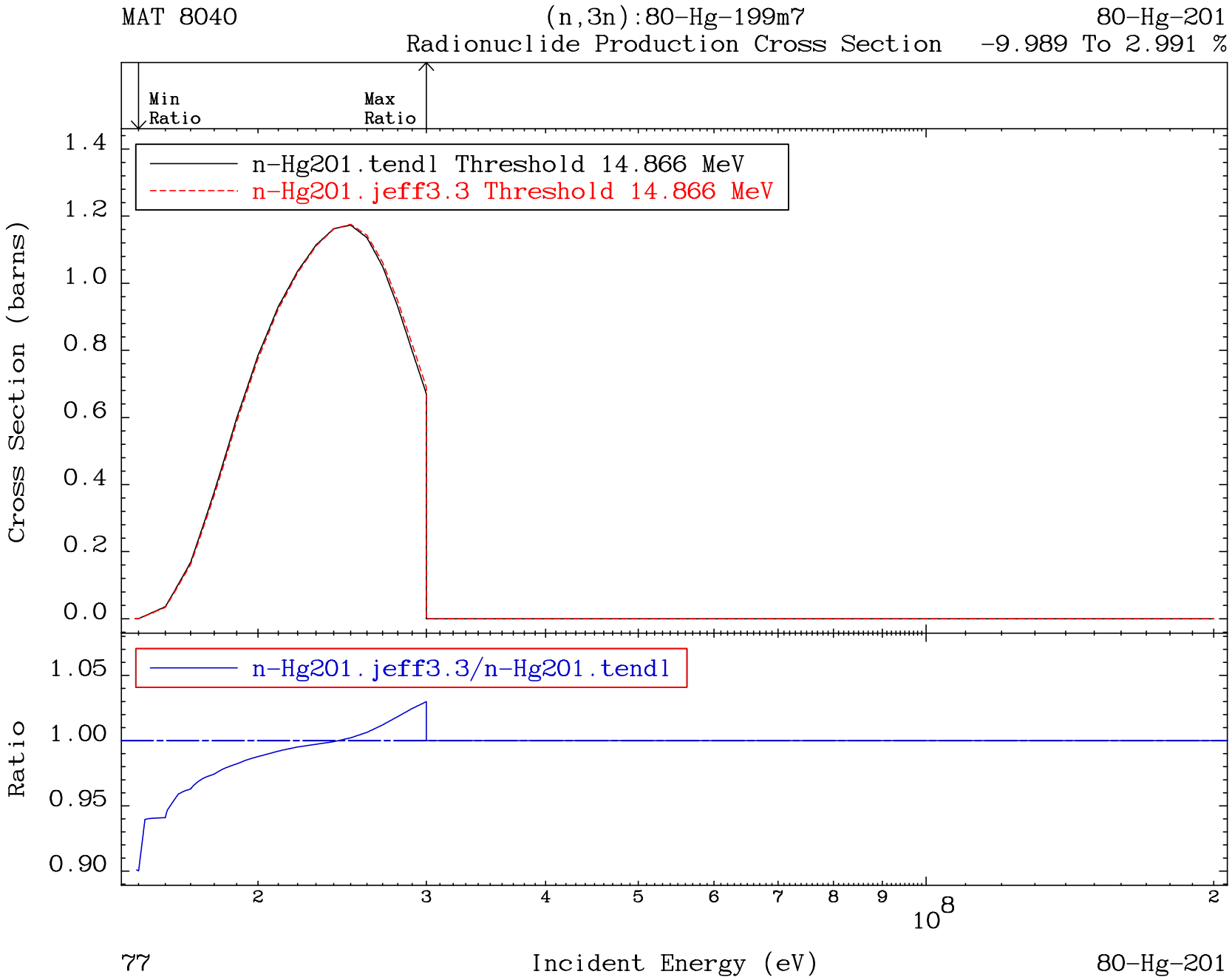

MAT 8040
Dpa inelastic (mt51-91)
Cross Section
80-Hg-201
-3.202 To 2.798 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 3.0000 keV
n-Hg201.jeff3.3 Threshold 3.0000 keV
Cross Section (barns)
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
Incident Energy (eV)
72
80-Hg-201

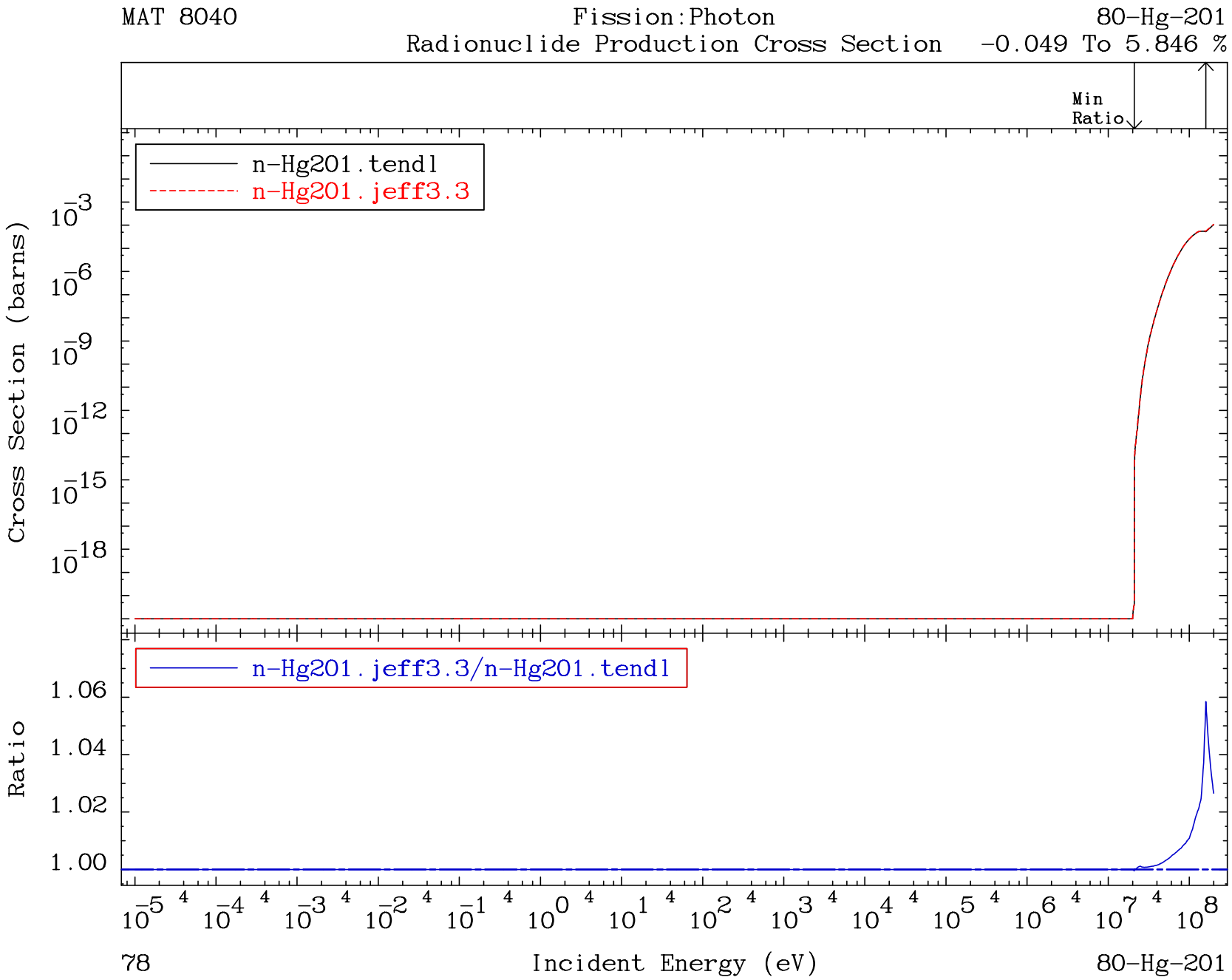

MAT 8040
Dpa disappearance (mt102 -120)
Cross Section
80-Hg-201
-98.65 To 9999. %
Min Ratio
Max Ratio
n-Hg201.tendl
n-Hg201.jeff3.3
Cross Section (barns)
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
Incident Energy (eV)
73
80-Hg-201

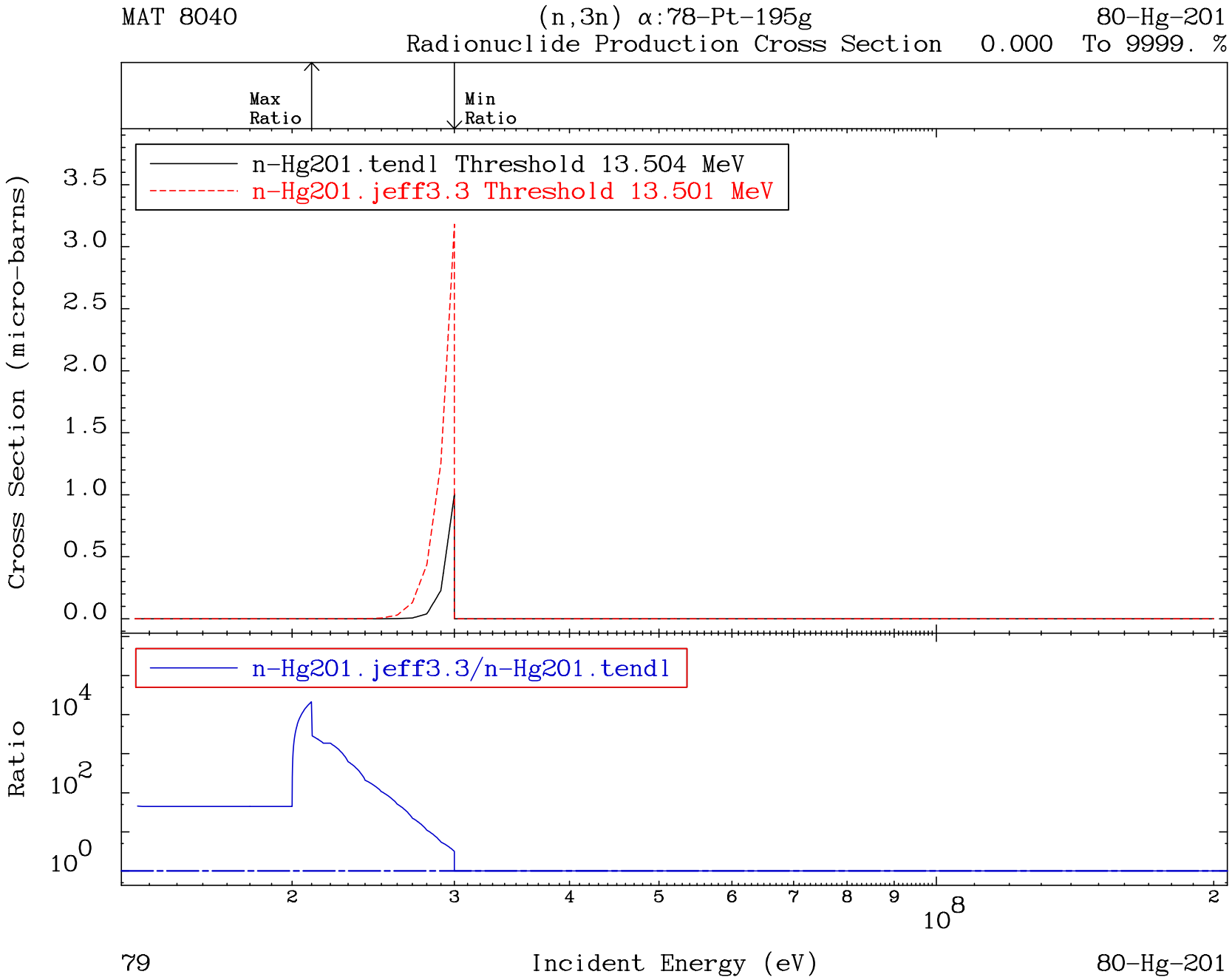

MAT 8040
(n,2n) d:79-Au-198g
80-Hg-201
Radionuclide Production Cross Section -7.062 To 0.000 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 19.386 MeV
n-Hg201.jeff3.3 Threshold 19.386 MeV
Cross Section (micro-barns)
40
30
20
10
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.00
0.96
2
3
4
5
6
7
8
9
10^8
2
74
Incident Energy (eV)
80-Hg-201

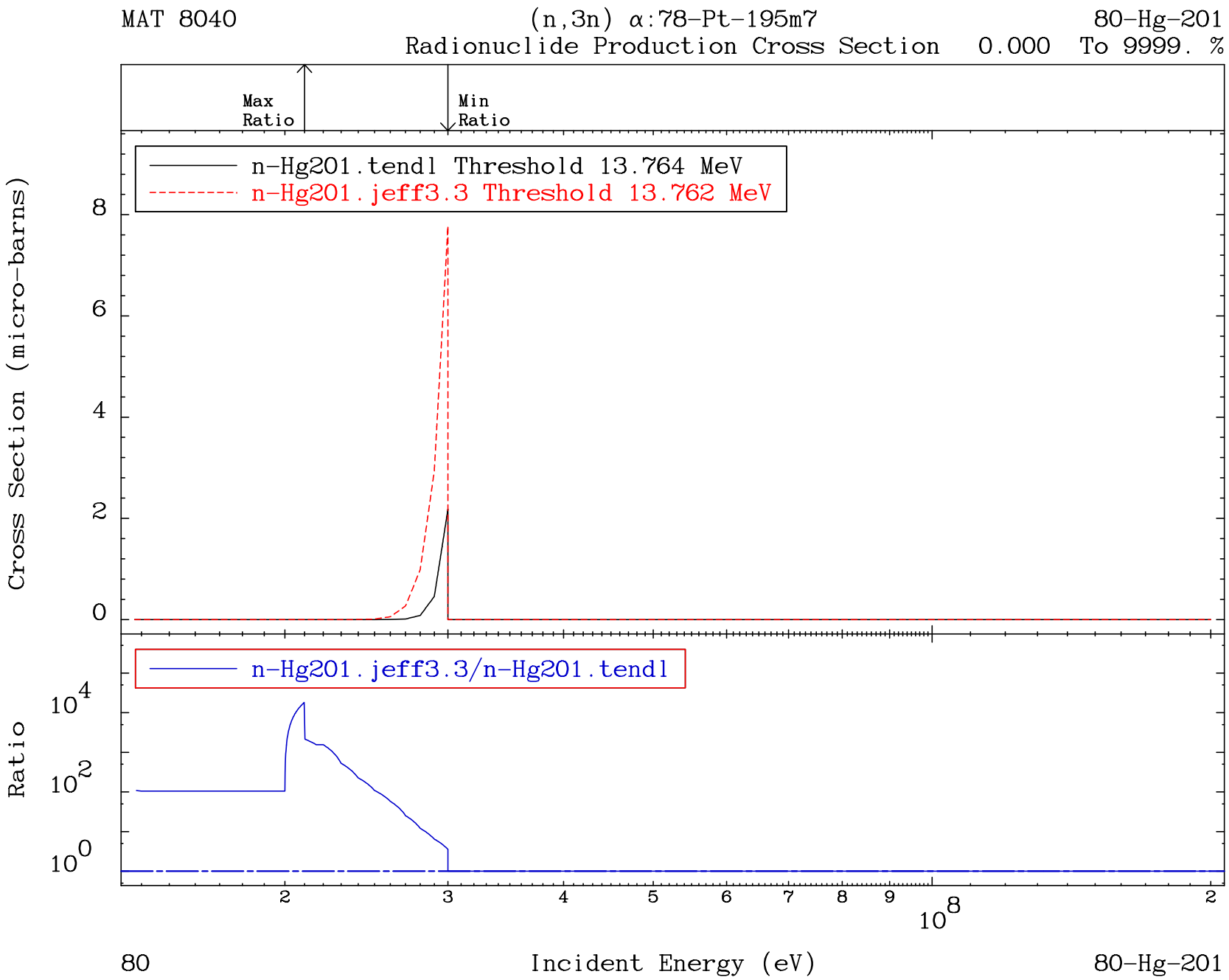

MAT 8040
(n,2n) d:79-Au-198m10
80-Hg-201
Radionuclide Production Cross Section -7.708 To 0.000 %
Max
Ratio
n-Hg201.tendl Threshold 22.000 MeV
n-Hg201.jeff3.3 Threshold 22.000 MeV
Cross Section (micro-barns)
0
2
4
6
8
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.00
0.96
0.92
20
40
60
80
100
120
140
160
180
200
75
Incident Energy (MeV)
80-Hg-201

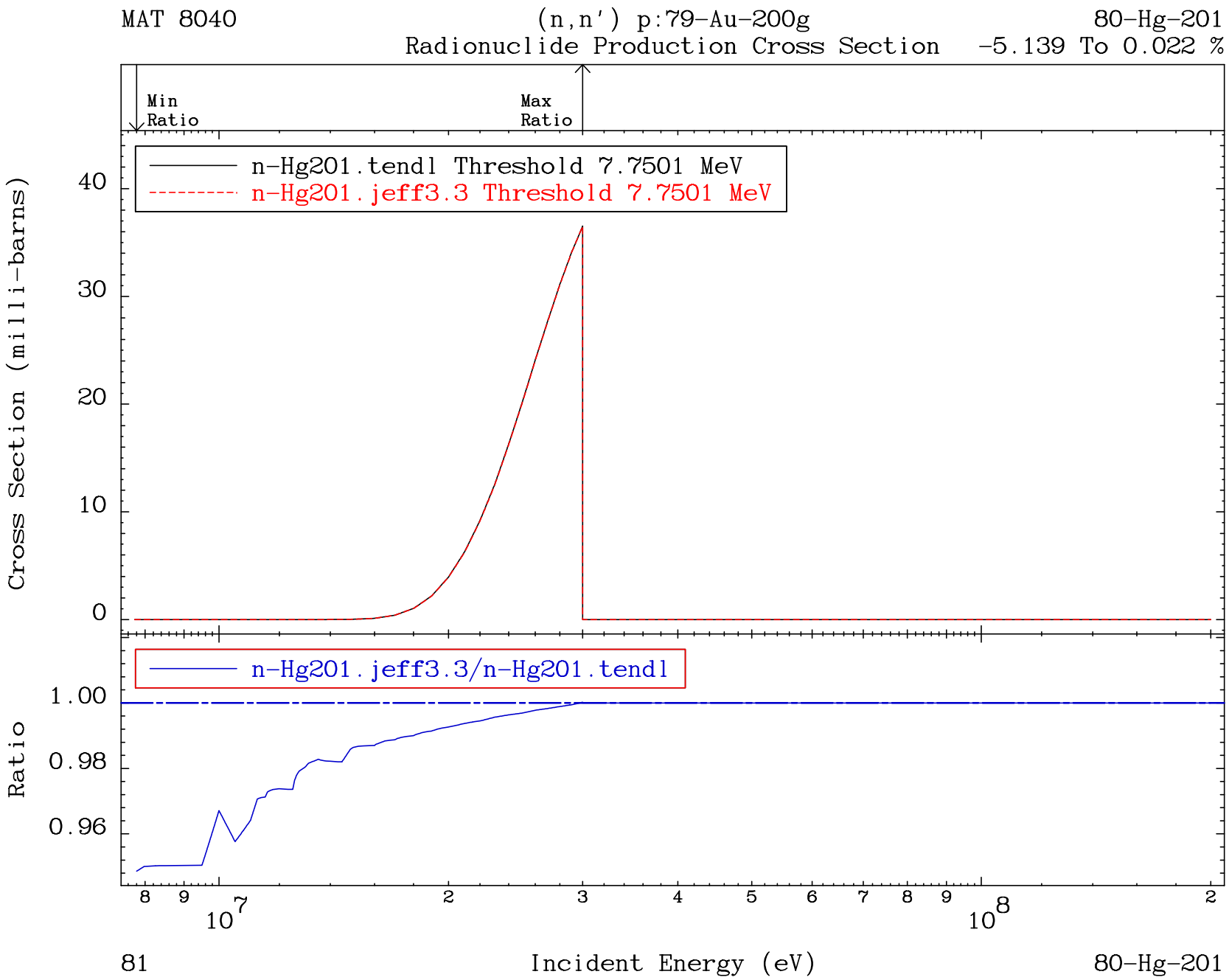

MAT 8040
(n,3n):80-Hg-199g
80-Hg-201
Radionuclide Production Cross Section -10.09 To 3.021 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 14.331 MeV
n-Hg201.jeff3.3 Threshold 14.331 MeV
Cross Section (milli-barns)
700
600
500
400
300
200
100
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.05
1.00
0.95
0.90
2
3
4
5
6
7
8
9
10^8
2
76
Incident Energy (eV)
80-Hg-201

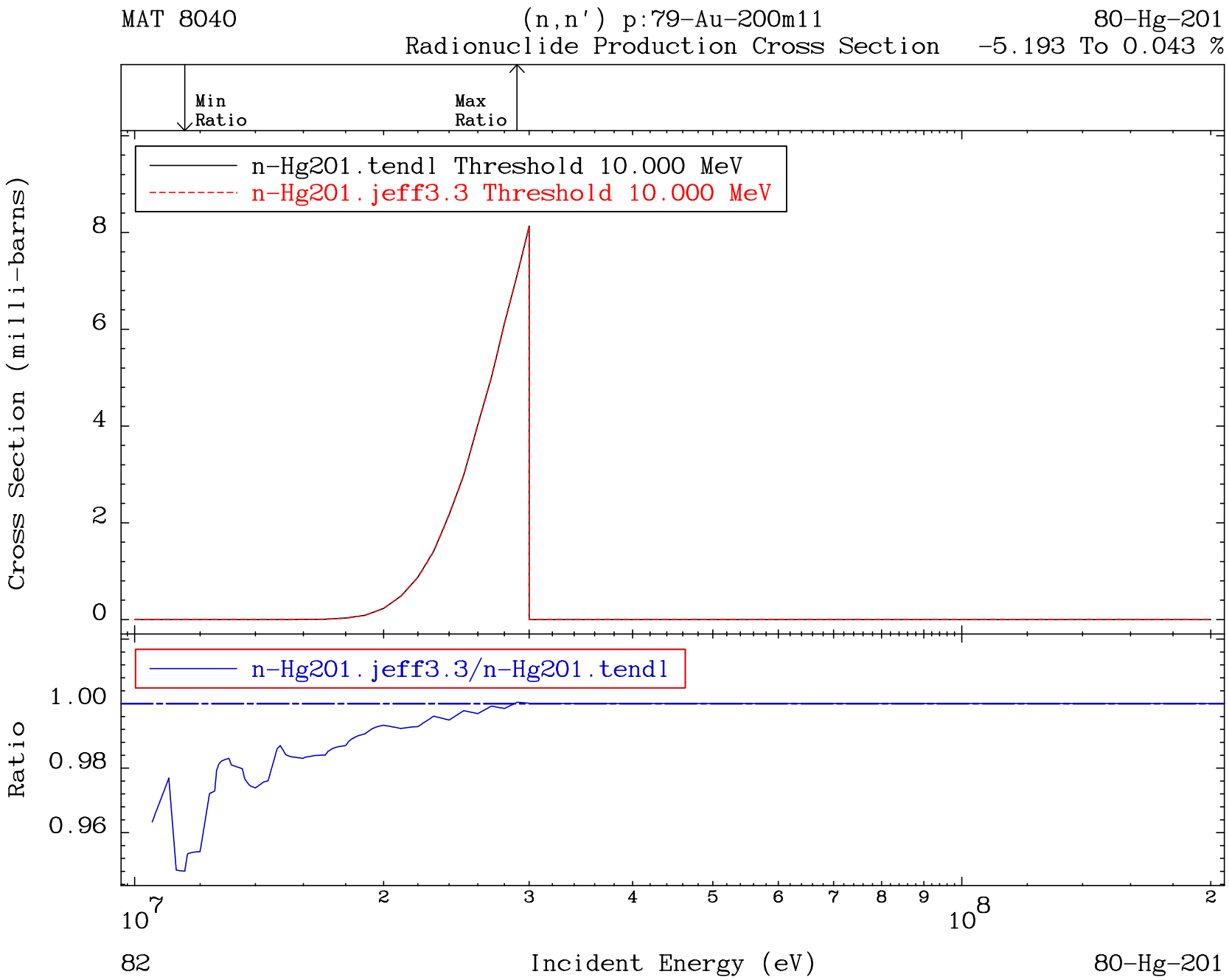

MAT 8040
(n,3n):80-Hg-199m7
80-Hg-201
Radionuclide Production Cross Section -9.989 To 2.991 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 14.866 MeV
n-Hg201.jeff3.3 Threshold 14.866 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.05
1.00
0.95
0.90
2
3
4
5
6
7
8
9
10^8
2
77
Incident Energy (eV)
80-Hg-201

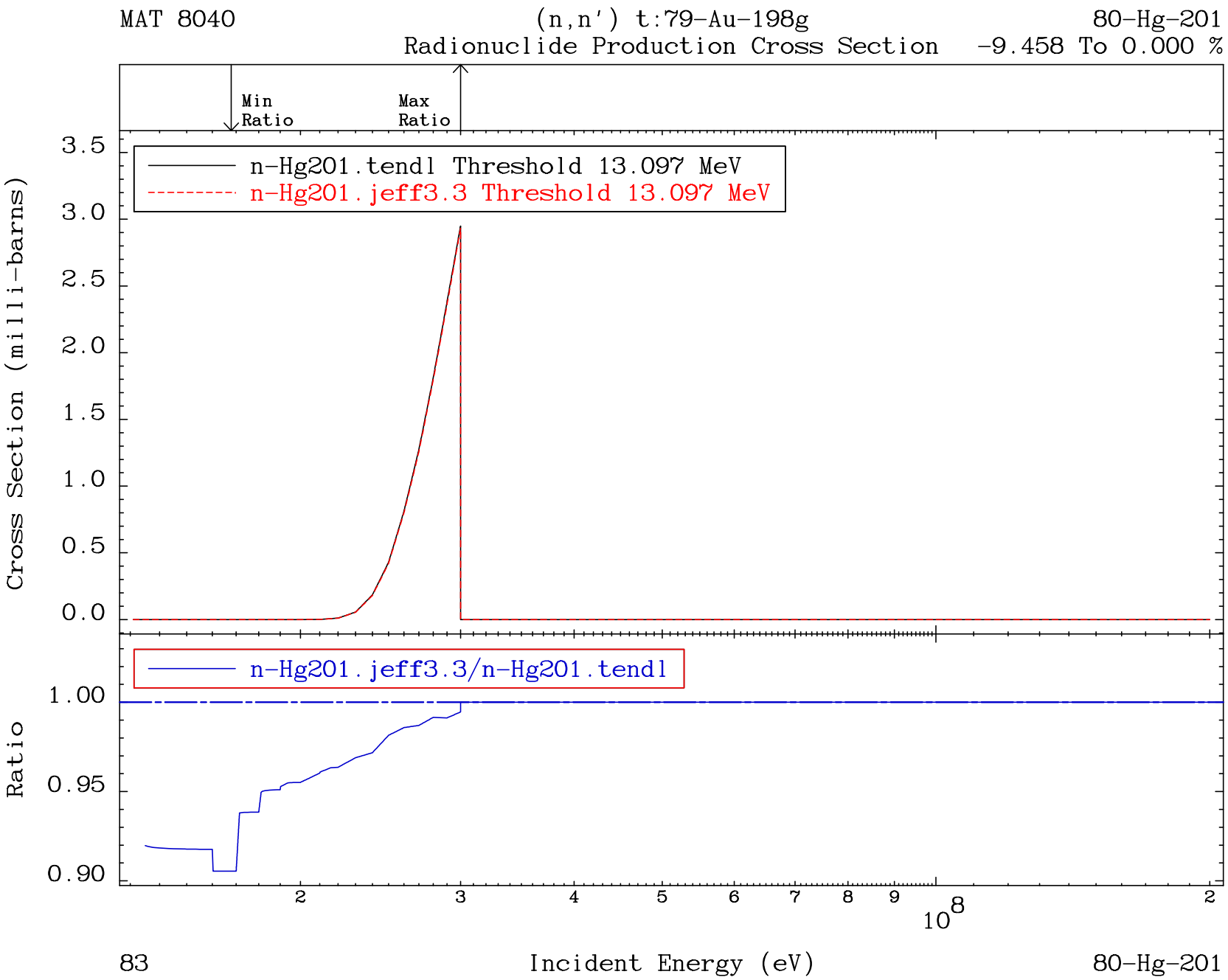

MAT 8040
Fission:Photon
80-Hg-201
Radionuclide Production Cross Section
-0.049 To 5.846 %
Min Ratio
n-Hg201.tendl
n-Hg201.jeff3.3
Cross Section (barns)
10^-3
10^-6
10^-9
10^-12
10^-15
10^-18
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.06
1.04
1.02
1.00
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
78
Incident Energy (eV)
80-Hg-201

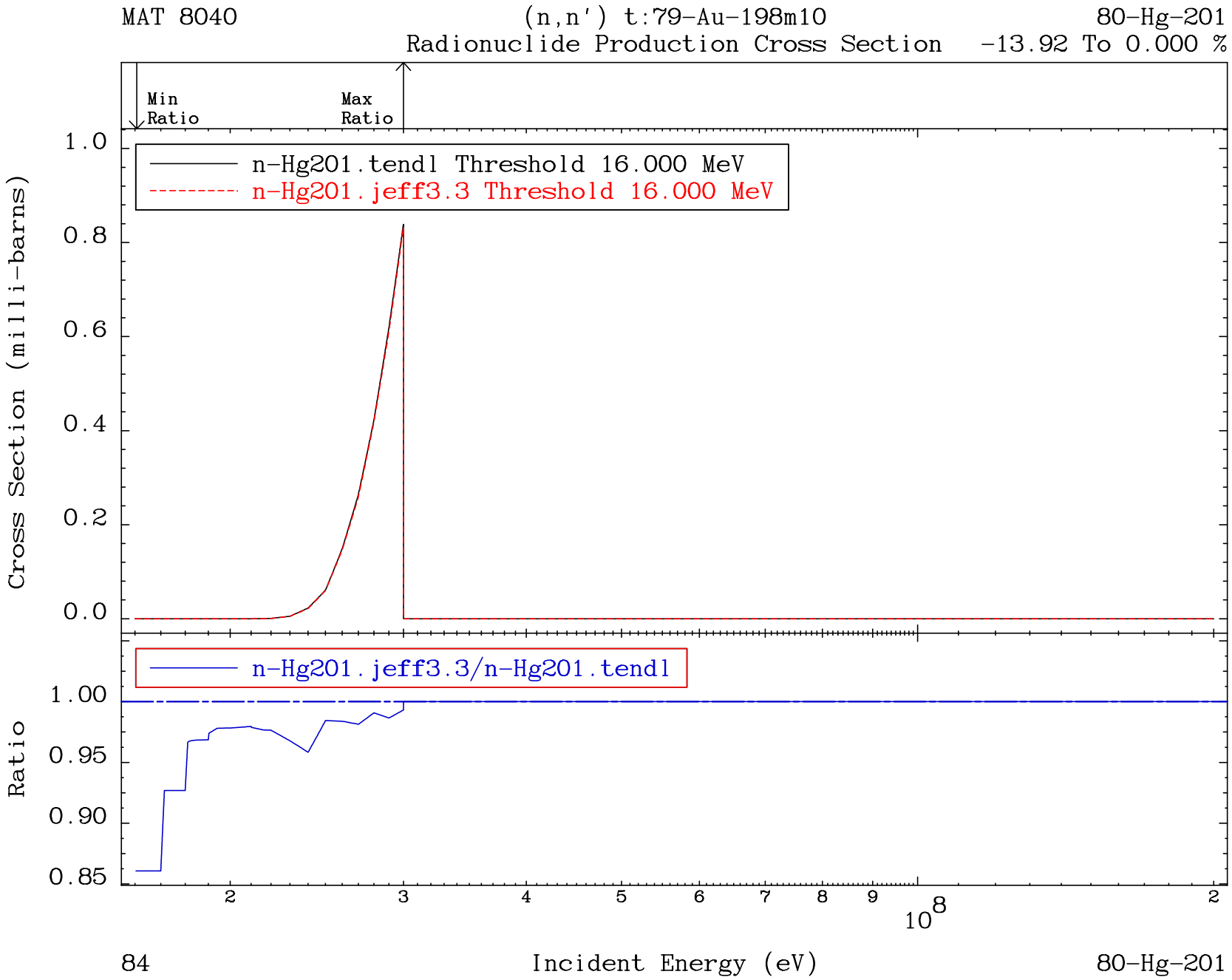

MAT 8040
(n,3n) α:78-Pt-195g
80-Hg-201
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
n-Hg201.tendl Threshold 13.504 MeV
n-Hg201.jeff3.3 Threshold 13.501 MeV
Cross Section (micro-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
10^4
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
79
Incident Energy (eV)
80-Hg-201

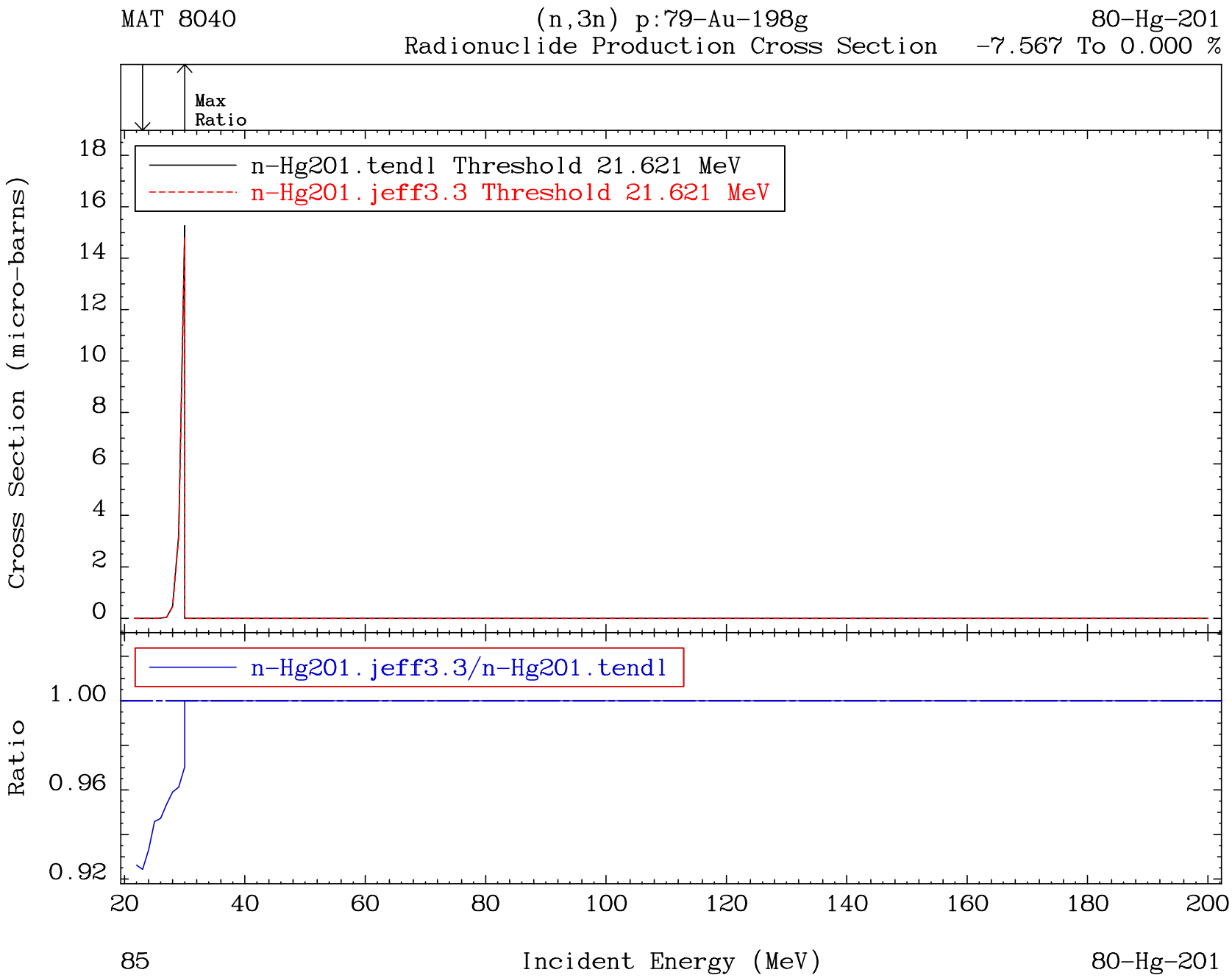

MAT 8040
(n,3n) α:78-Pt-195m7
80-Hg-201
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
n-Hg201.tendl Threshold 13.764 MeV
n-Hg201.jeff3.3 Threshold 13.762 MeV
Cross Section (micro-barns)
0
2
4
6
8
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
10^0
10^2
10^4
2
3
4
5
6
7
8
9
10^8
2
80
Incident Energy (eV)
80-Hg-201

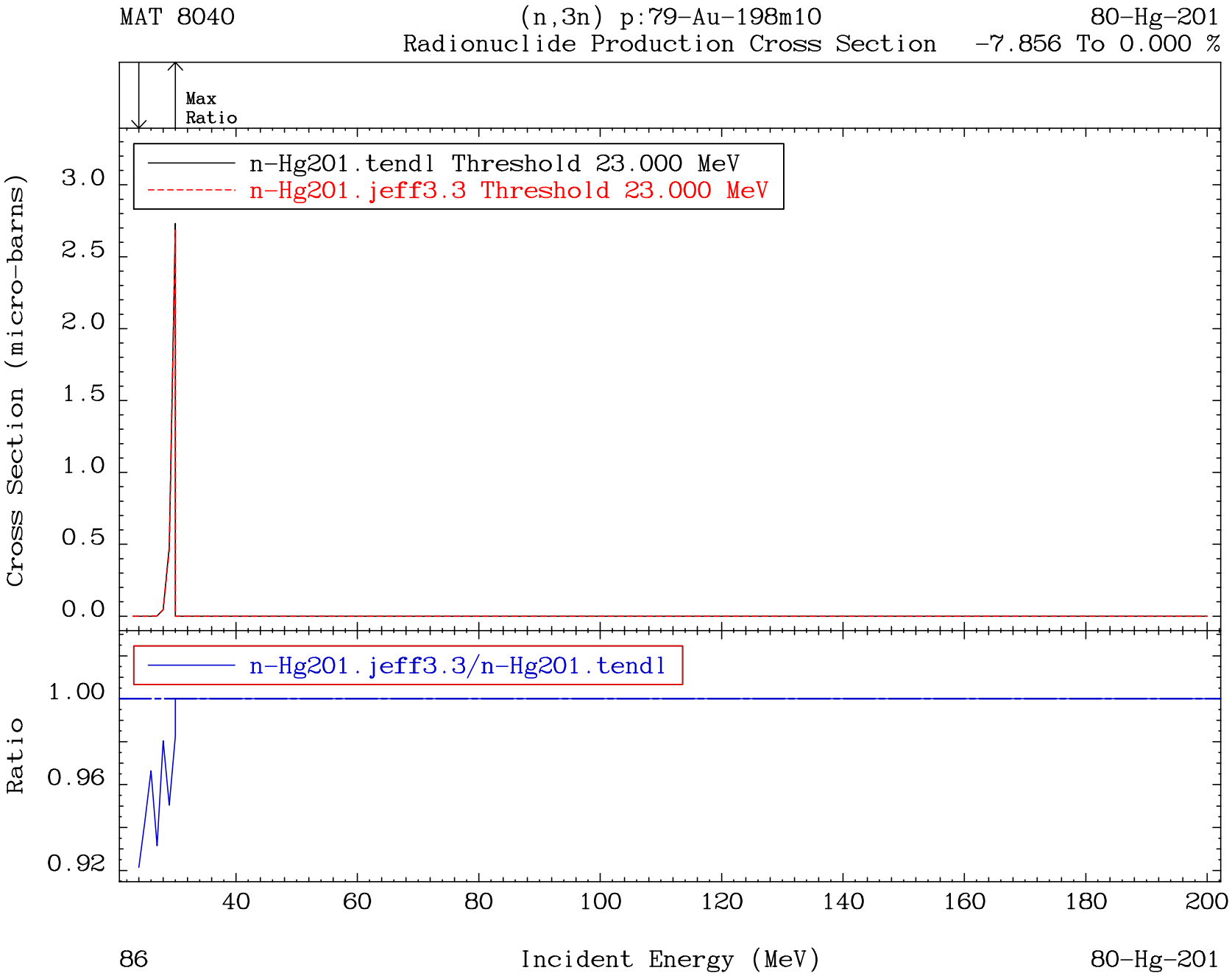

MAT 8040
(n,n') p:79-Au-200g
80-Hg-201
Radionuclide Production Cross Section -5.139 To 0.022 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 7.7501 MeV
n-Hg201.jeff3.3 Threshold 7.7501 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.00
0.98
0.96
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
81
Incident Energy (eV)
80-Hg-201

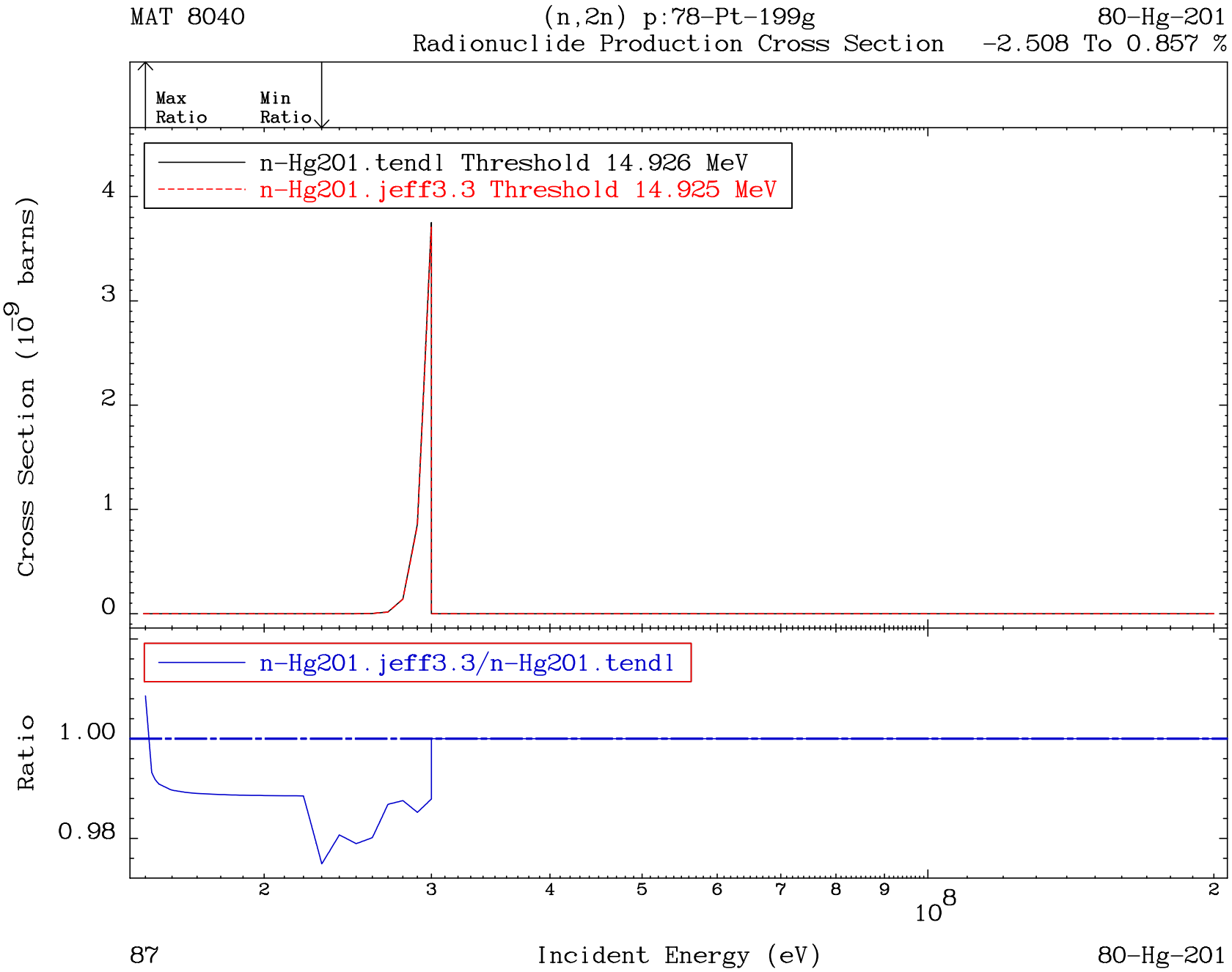

MAT 8040
(n,n') p:79-Au-200m11
80-Hg-201
Radionuclide Production Cross Section -5.193 To 0.043 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 10.000 MeV
n-Hg201.jeff3.3 Threshold 10.000 MeV
Cross Section (milli-barns)
0
2
4
6
8
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
0.96
0.98
1.00
10^7
2
3
4
5
6
7
8
9
10^8
2
82
Incident Energy (eV)
80-Hg-201

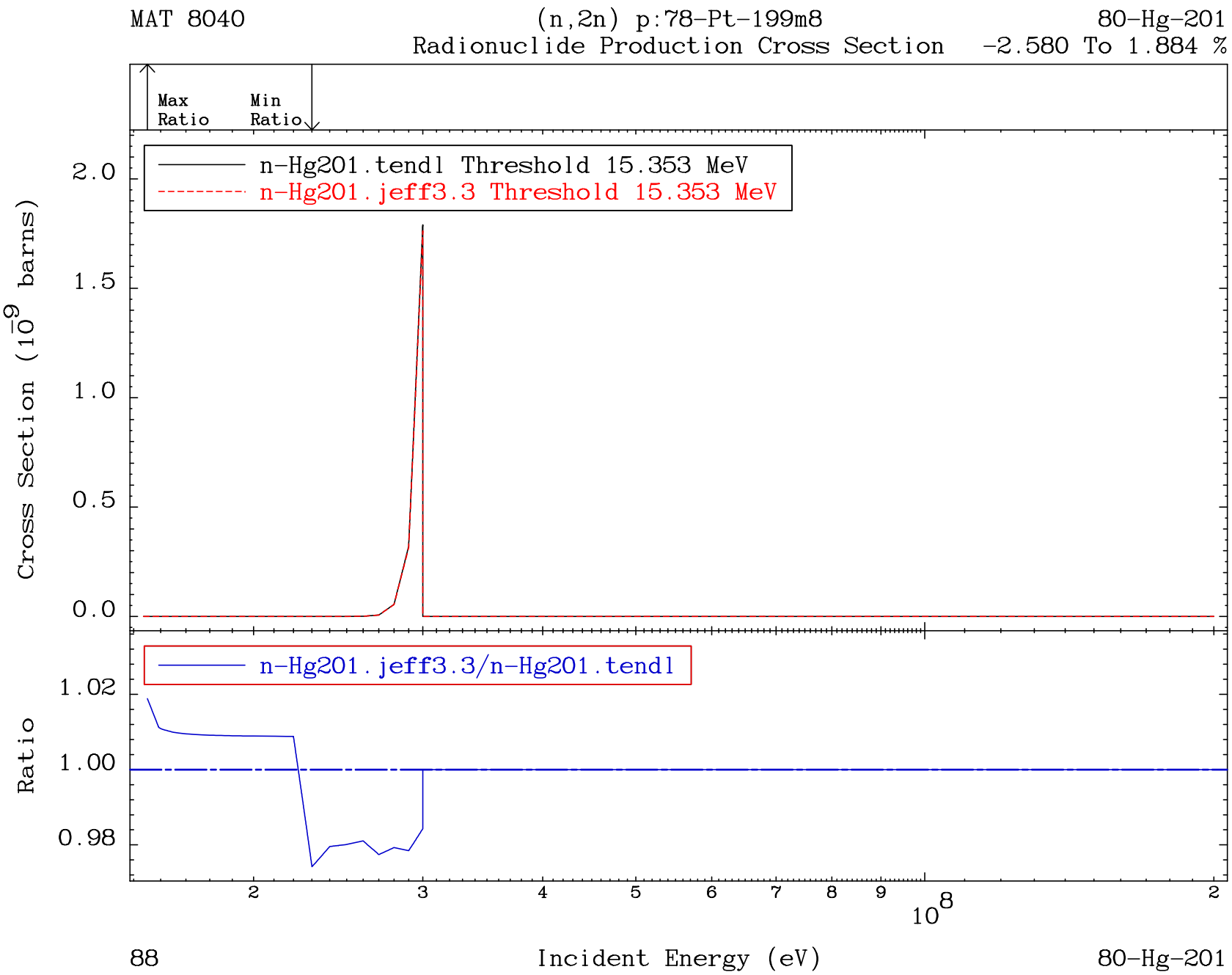

MAT 8040
(n,n') t:79-Au-198g
80-Hg-201
Radionuclide Production Cross Section
-9.458 To 0.000 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 13.097 MeV
n-Hg201.jeff3.3 Threshold 13.097 MeV
Cross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.00
0.95
0.90
2
3
4
5
6
7
8
9
10^8
2
83
Incident Energy (eV)
80-Hg-201

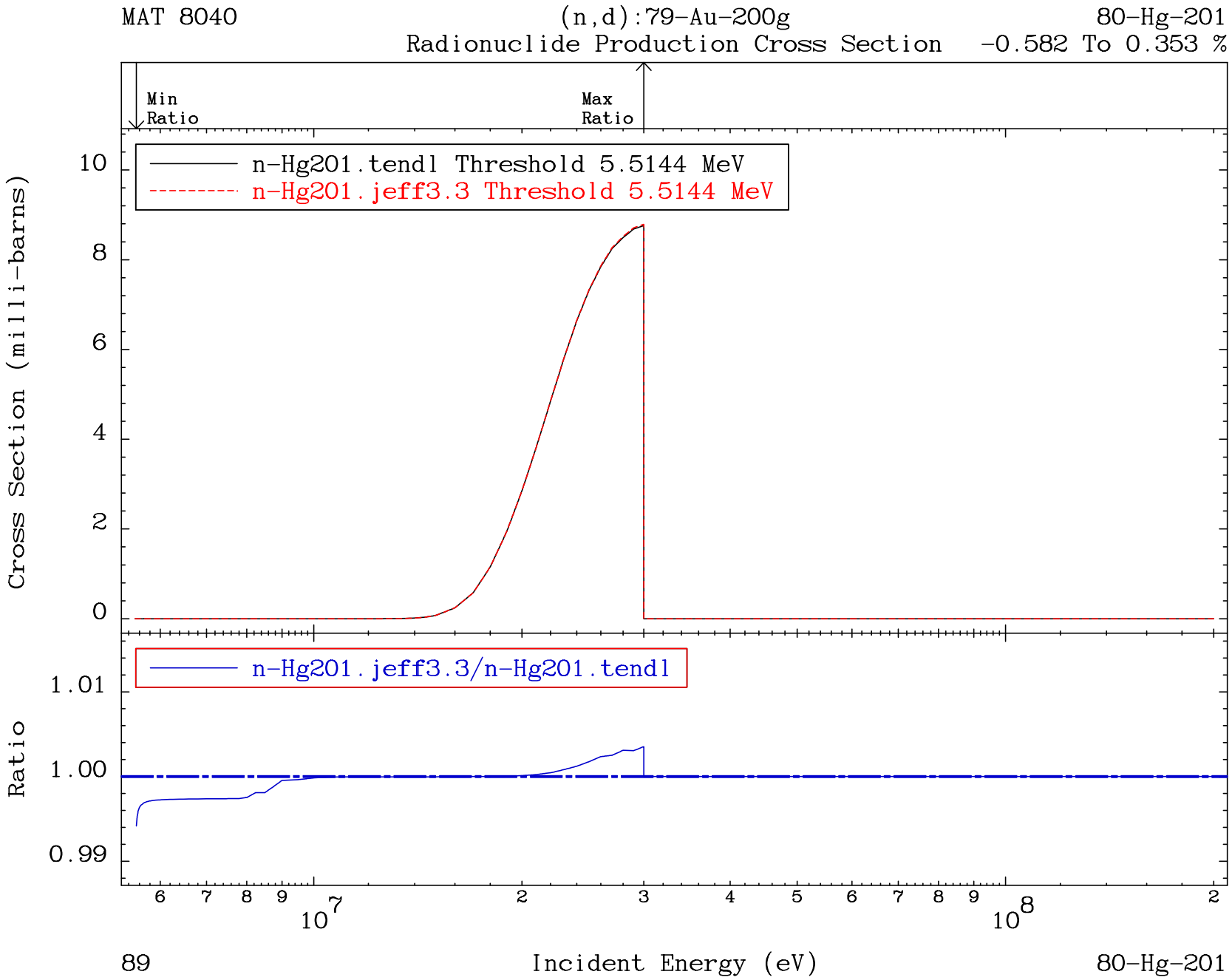

MAT 8040
(n,n') t:79-Au-198m10
80-Hg-201
Radionuclide Production Cross Section -13.92 To 0.000 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 16.000 MeV
n-Hg201.jeff3.3 Threshold 16.000 MeV
Cross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.00
0.95
0.90
0.85
2
3
4
5
6
7
8
9
10^8
2
84
Incident Energy (eV)
80-Hg-201

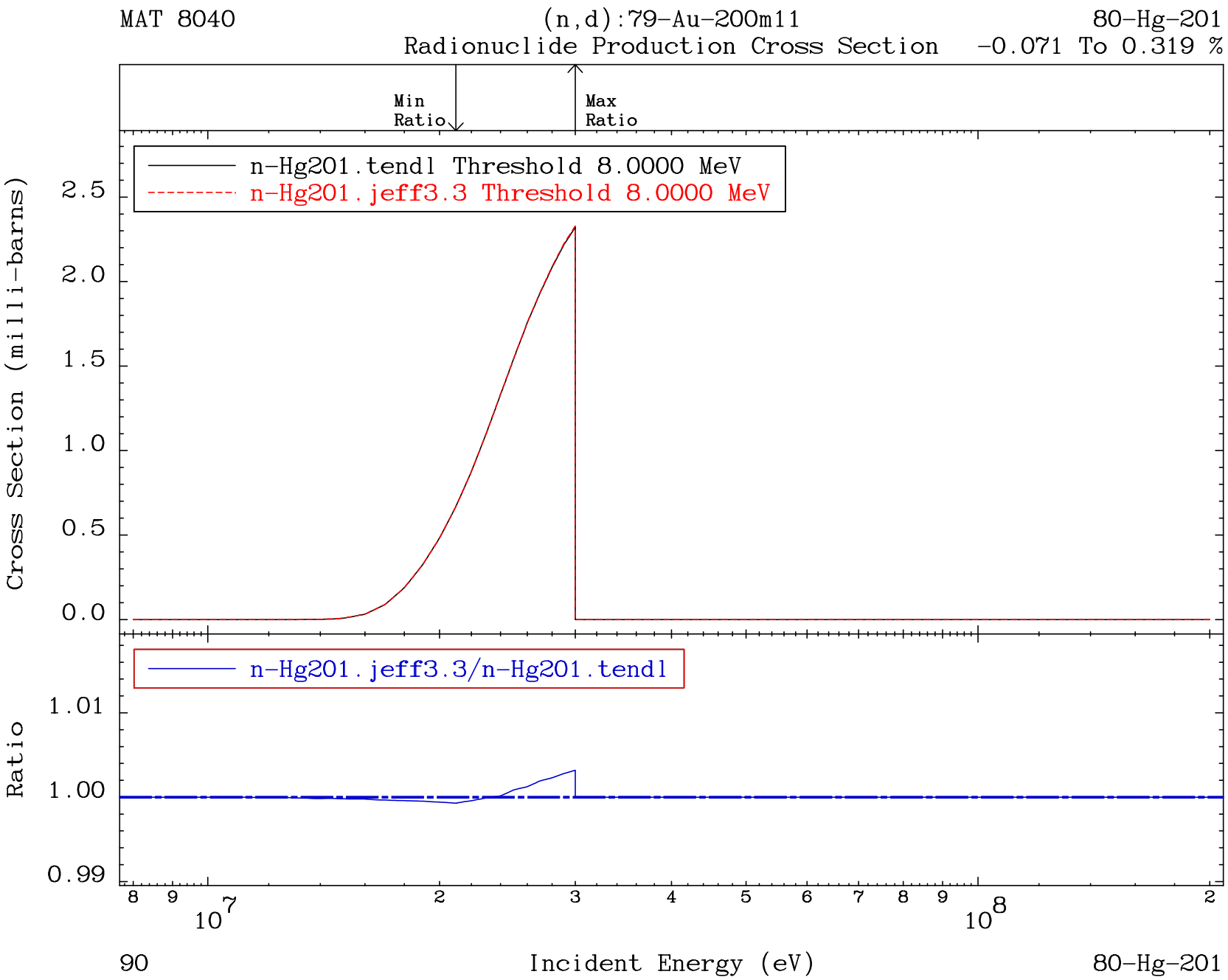

MAT 8040
(n,3n) p:79-Au-198g
80-Hg-201
Radionuclide Production Cross Section -7.567 To 0.000 %
Max
Ratio
n-Hg201.tendl Threshold 21.621 MeV
n-Hg201.jeff3.3 Threshold 21.621 MeV
Cross Section (micro-barns)
0
2
4
6
8
10
12
14
16
18
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
0.92
0.96
1.00
20
40
60
80
100
120
140
160
180
200
85
Incident Energy (MeV)
80-Hg-201

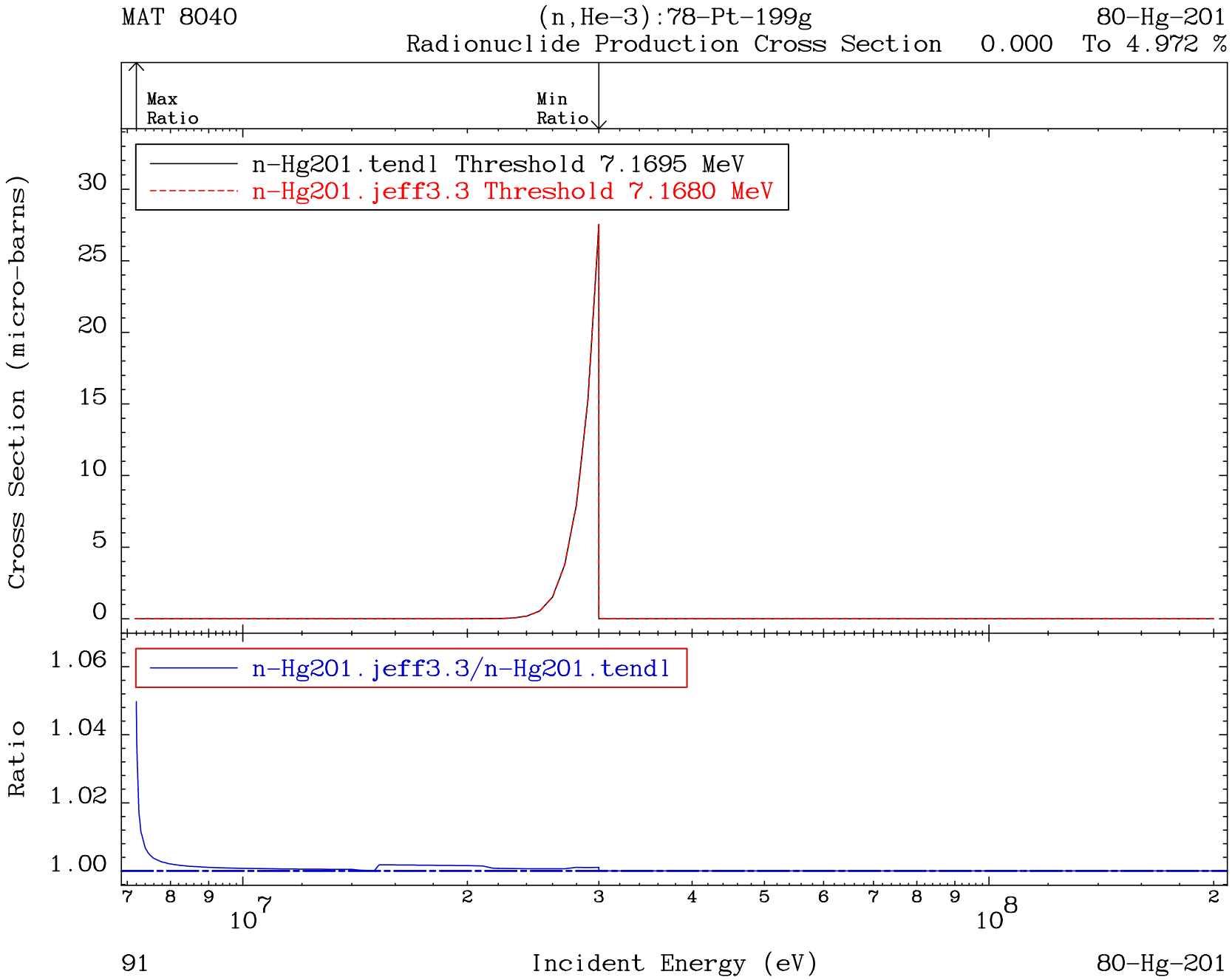

MAT 8040
(n,3n) p:79-Au-198m10
80-Hg-201
Radionuclide Production Cross Section
-7.856 To 0.000 %
Max
Ratio
n-Hg201.tendl Threshold 23.000 MeV
n-Hg201.jeff3.3 Threshold 23.000 MeV
Cross Section (micro-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.00
0.96
0.92
40
60
80
100
120
140
160
180
200
86
Incident Energy (MeV)
80-Hg-201

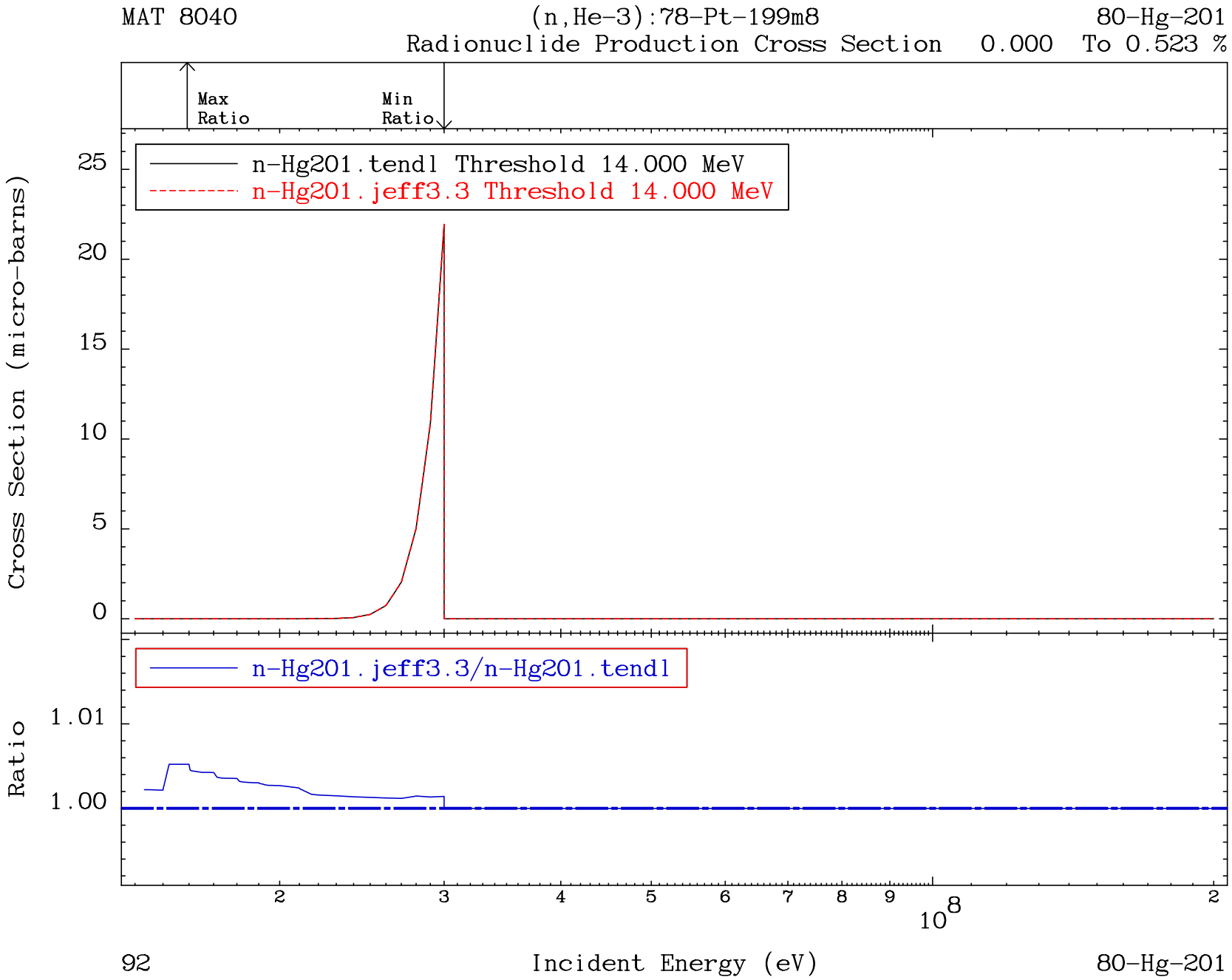

MAT 8040
(n,2n) p:78-Pt-199g
80-Hg-201
Radionuclide Production Cross Section
-2.508 To 0.857 %
Max Ratio
Min Ratio
n-Hg201.tendl Threshold 14.926 MeV
n-Hg201.jeff3.3 Threshold 14.925 MeV
Cross Section (10^{-9} barns)
0
1
2
3
4
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.00
0.98
2
3
4
5
6
7
8
9
10^8
2
87
Incident Energy (eV)
80-Hg-201

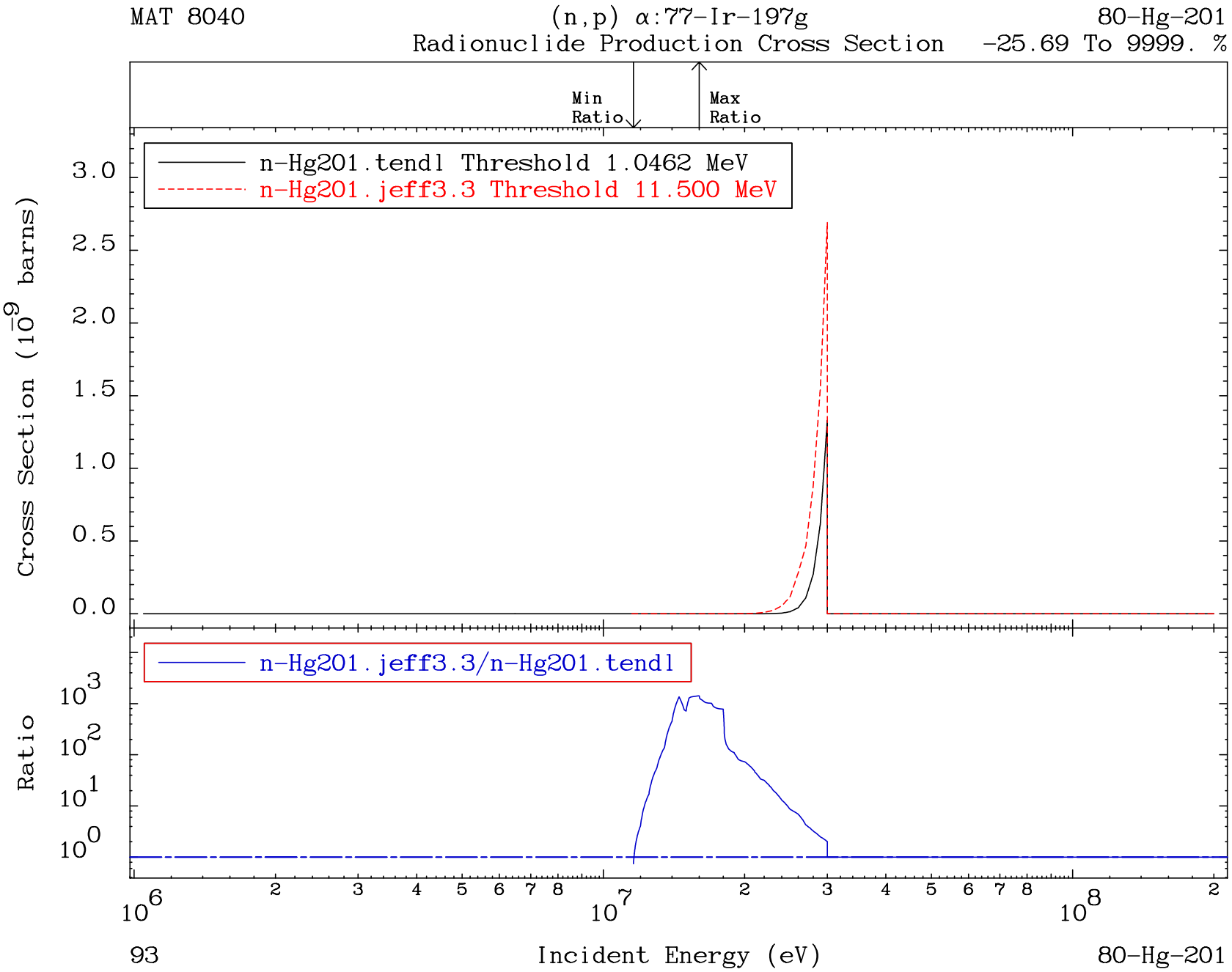

MAT 8040
(n,2n) p:78-Pt-199m8
80-Hg-201
Radionuclide Production Cross Section -2.580 To 1.884 %
Max Ratio
Min Ratio
n-Hg201.tendl Threshold 15.353 MeV
n-Hg201.jeff3.3 Threshold 15.353 MeV
Cross Section (10^{-9} barns)
2.0
1.5
1.0
0.5
0.0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.02
1.00
0.98
2
3
4
5
6
7
8
9
10^8
2
88
Incident Energy (eV)
80-Hg-201

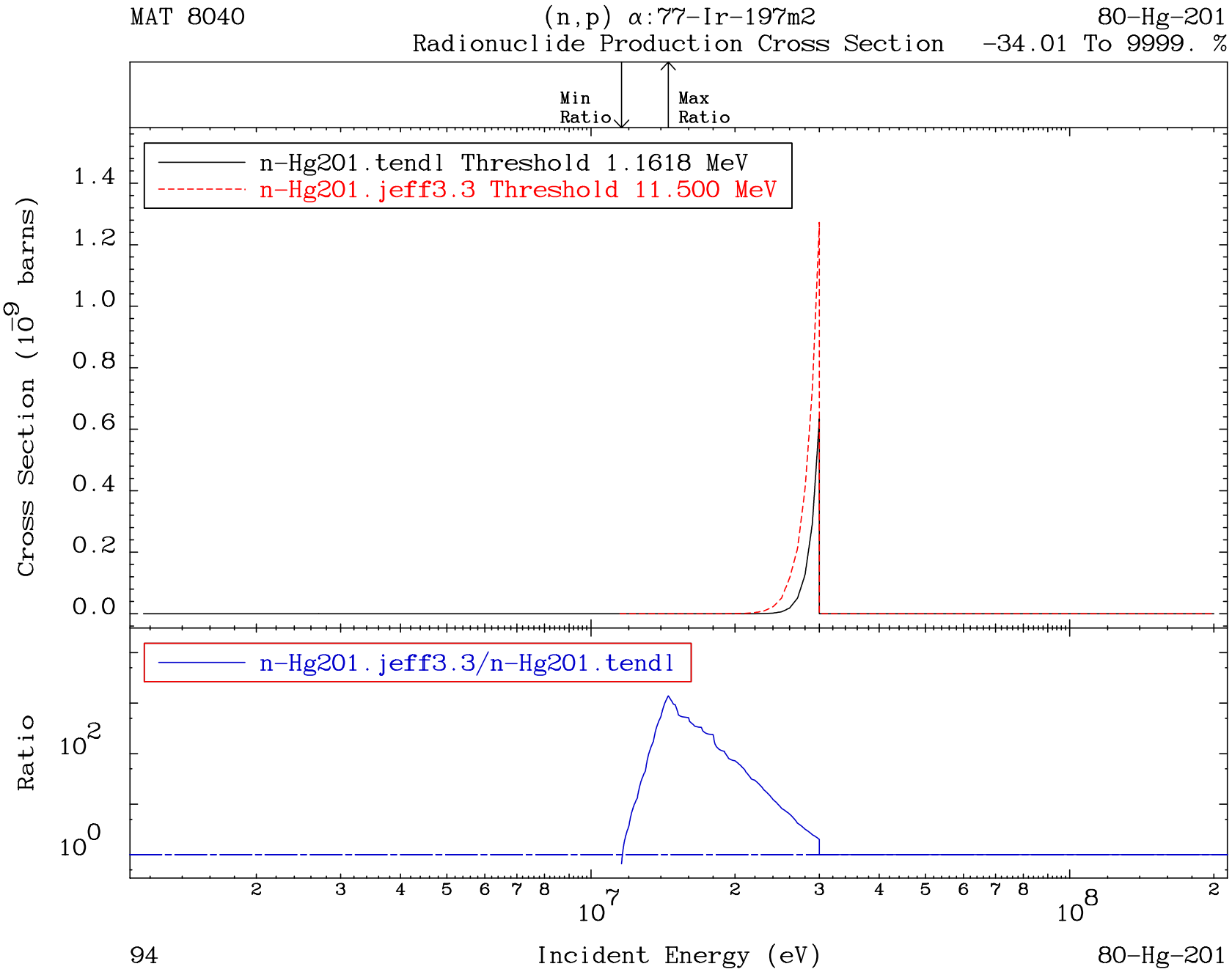

MAT 8040
(n,d):79-Au-200g
80-Hg-201
Radionuclide Production Cross Section
-0.582 To 0.353 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 5.5144 MeV
n-Hg201.jeff3.3 Threshold 5.5144 MeV
Cross Section (milli-barns)
10
8
6
4
2
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.01
1.00
0.99
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
89
Incident Energy (eV)
80-Hg-201


MAT 8040
(n,d):79-Au-200m11
80-Hg-201
Radionuclide Production Cross Section -0.071 To 0.319 %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 8.0000 MeV
n-Hg201.jeff3.3 Threshold 8.0000 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.01
1.00
0.99
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
90
Incident Energy (eV)
80-Hg-201


MAT 8040
(n,He-3):78-Pt-199g
80-Hg-201
Radionuclide Production Cross Section 0.000 To 4.972 %
Max Ratio
Min Ratio
n-Hg201.tendl Threshold 7.1695 MeV
n-Hg201.jeff3.3 Threshold 7.1680 MeV
Cross Section (micro-barns)
30
25
20
15
10
5
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.06
1.04
1.02
1.00
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
91
Incident Energy (eV)
80-Hg-201


MAT 8040
(n,He-3):78-Pt-199m8
80-Hg-201
Radionuclide Production Cross Section 0.000 To 0.523 %
Max Ratio
Min Ratio
n-Hg201.tendl Threshold 14.000 MeV
n-Hg201.jeff3.3 Threshold 14.000 MeV
Cross Section (micro-barns)
25
20
15
10
5
0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
92
Incident Energy (eV)
80-Hg-201


MAT 8040
(n,p) α:77-Ir-197g
80-Hg-201
Radionuclide Production Cross Section -25.69 To 9999. %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 1.0462 MeV
n-Hg201.jeff3.3 Threshold 11.500 MeV
Cross Section (10^{-9} barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Hg201.jeff3.3/n-Hg201.tendl
Ratio
10^3
10^2
10^1
10^0
10^6
10^7
10^8
2 3 4 5 6 7 8
93
Incident Energy (eV)
80-Hg-201


MAT 8040
(n,p) α:77-Ir-197m2
80-Hg-201
Radionuclide Production Cross Section -34.01 To 9999. %
Min Ratio
Max Ratio
n-Hg201.tendl Threshold 1.1618 MeV
n-Hg201.jeff3.3 Threshold 11.500 MeV
Cross Section (10^{-9} barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Hg201.jeff3.3/n-Hg201.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
94
Incident Energy (eV)
80-Hg-201