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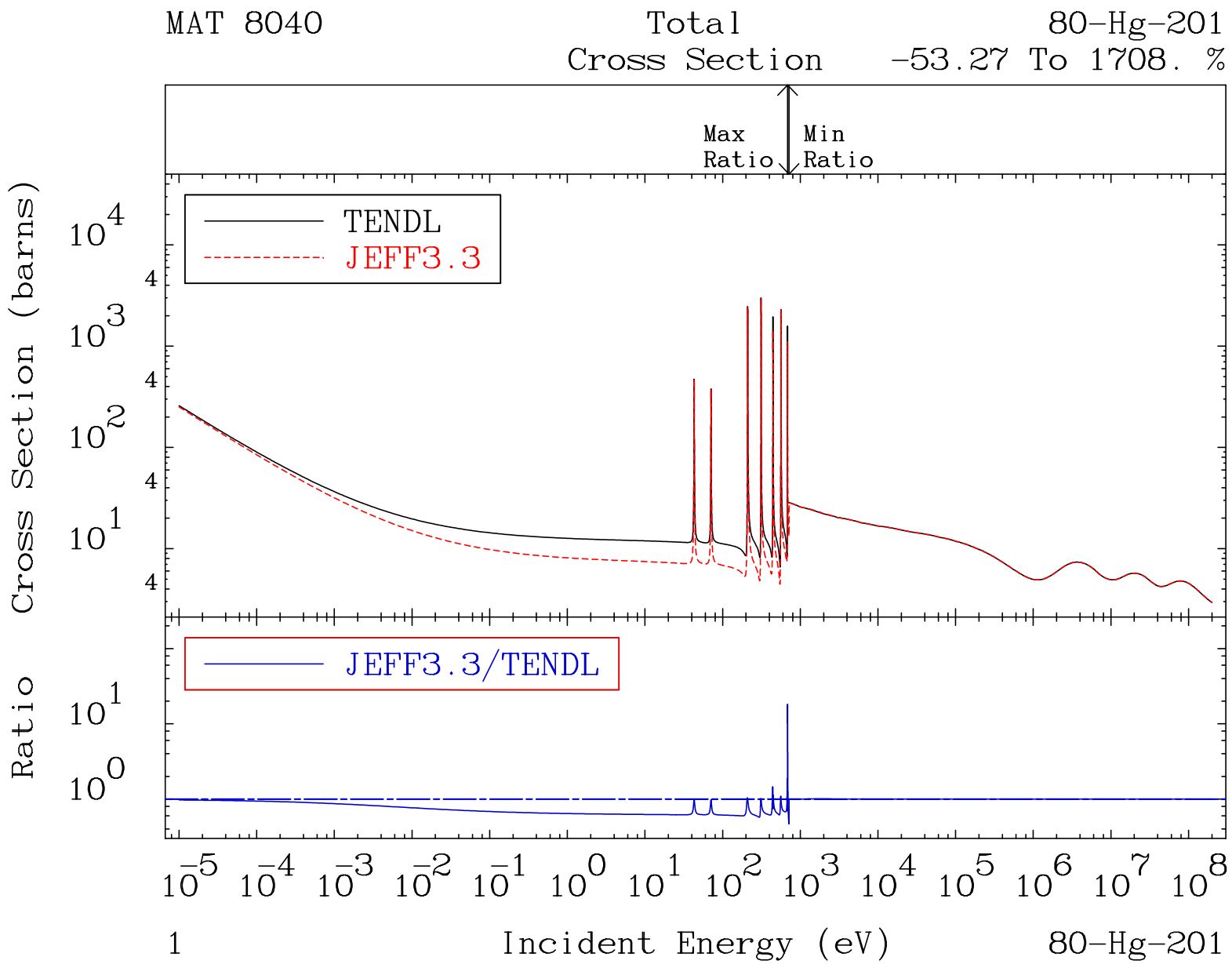
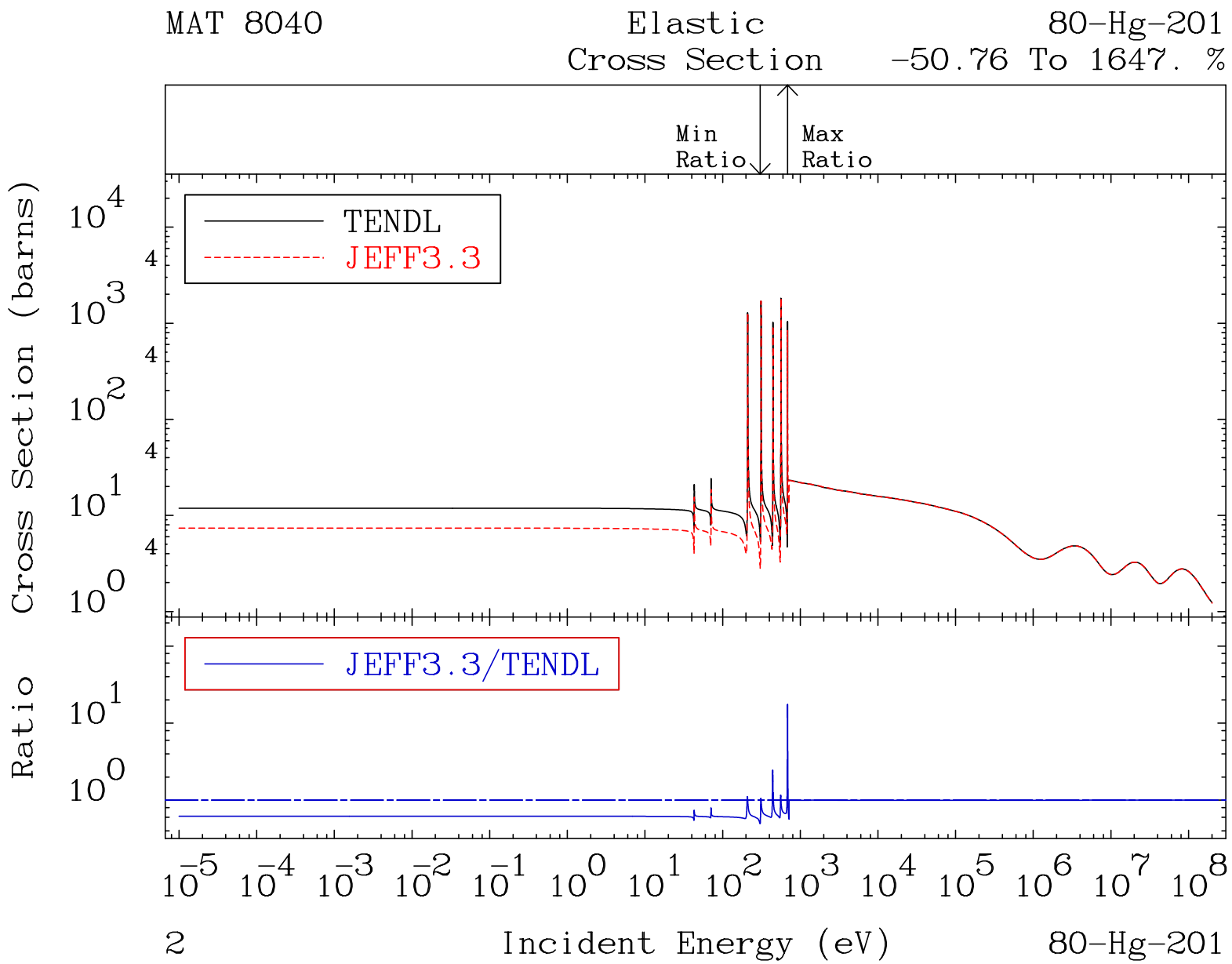
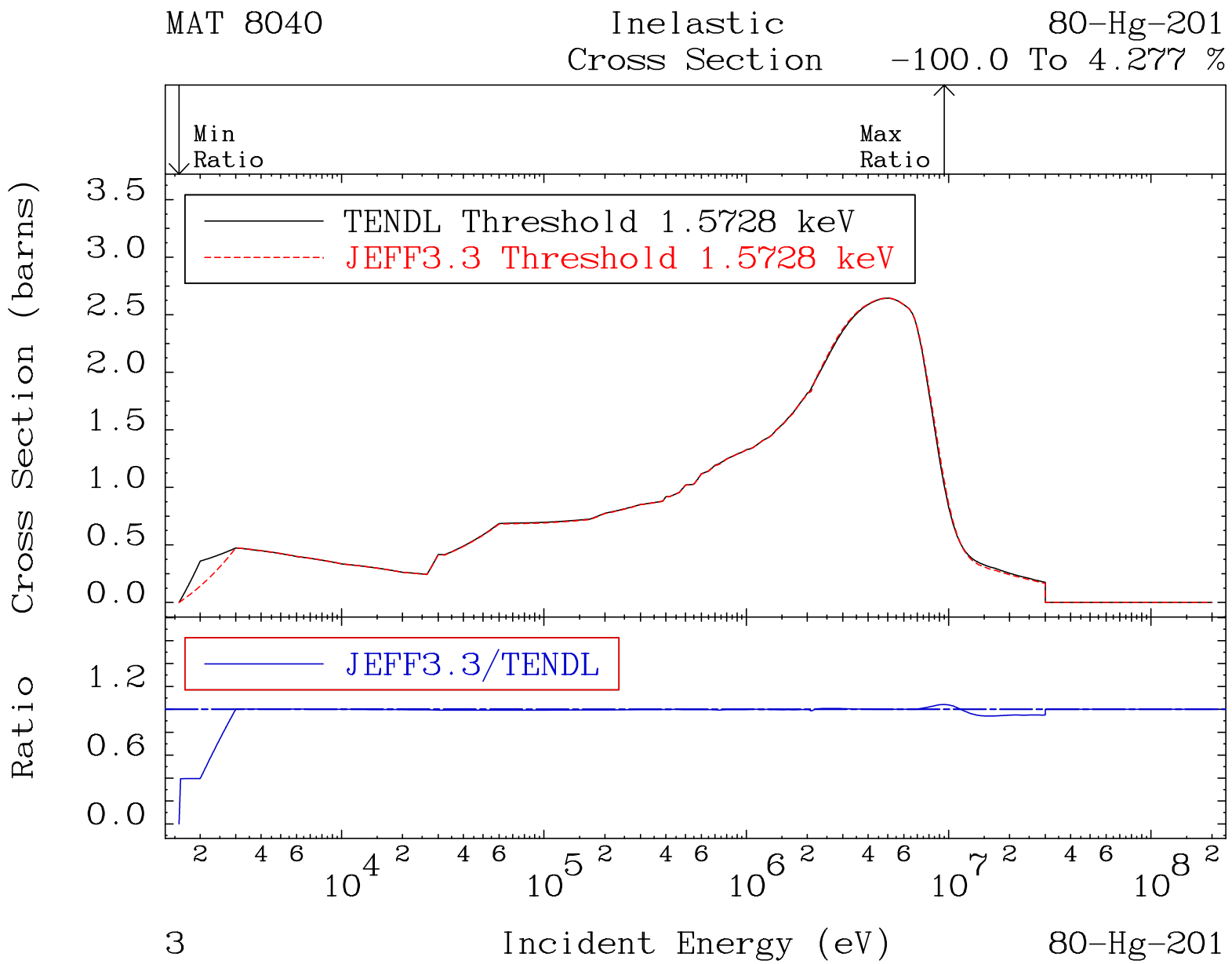
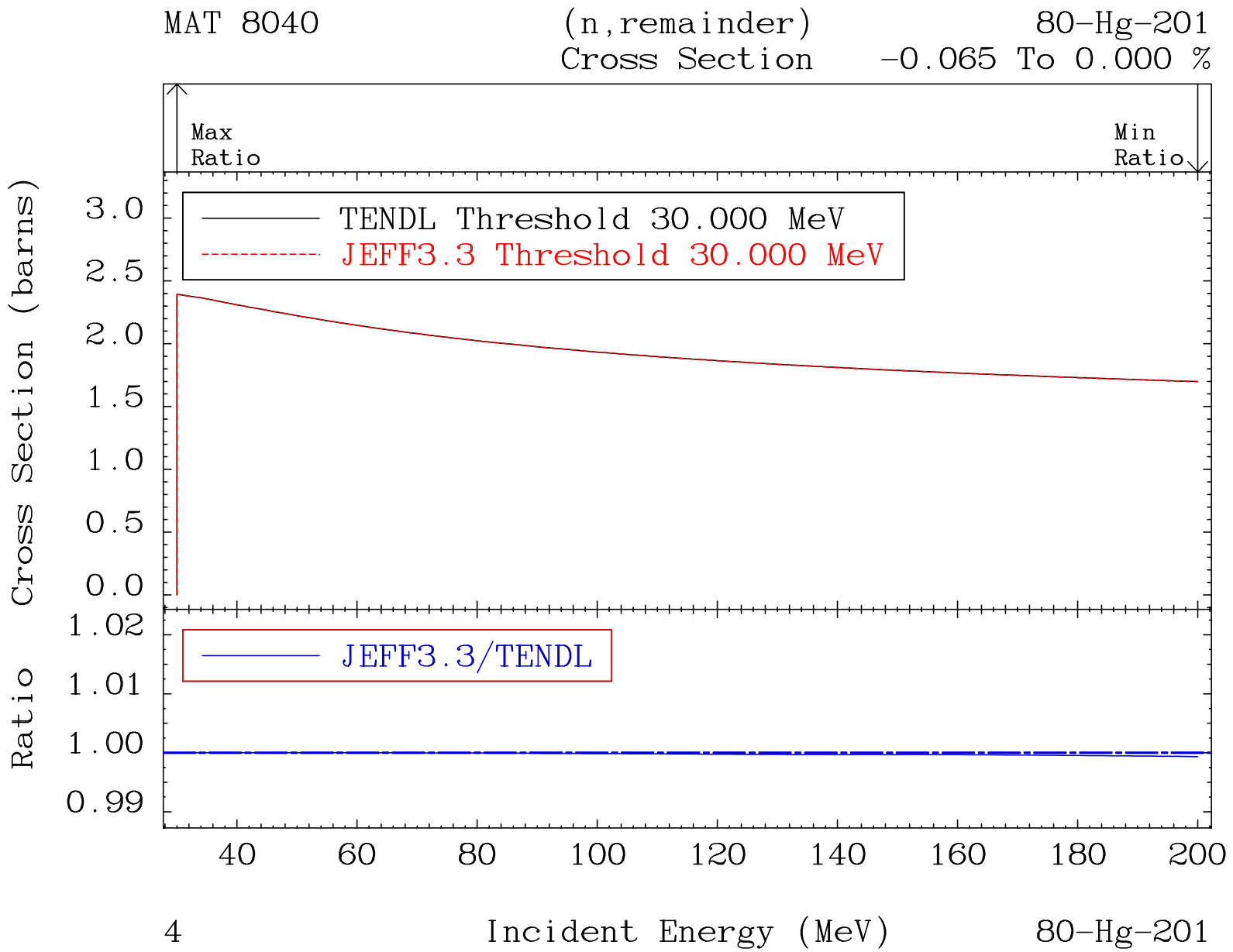
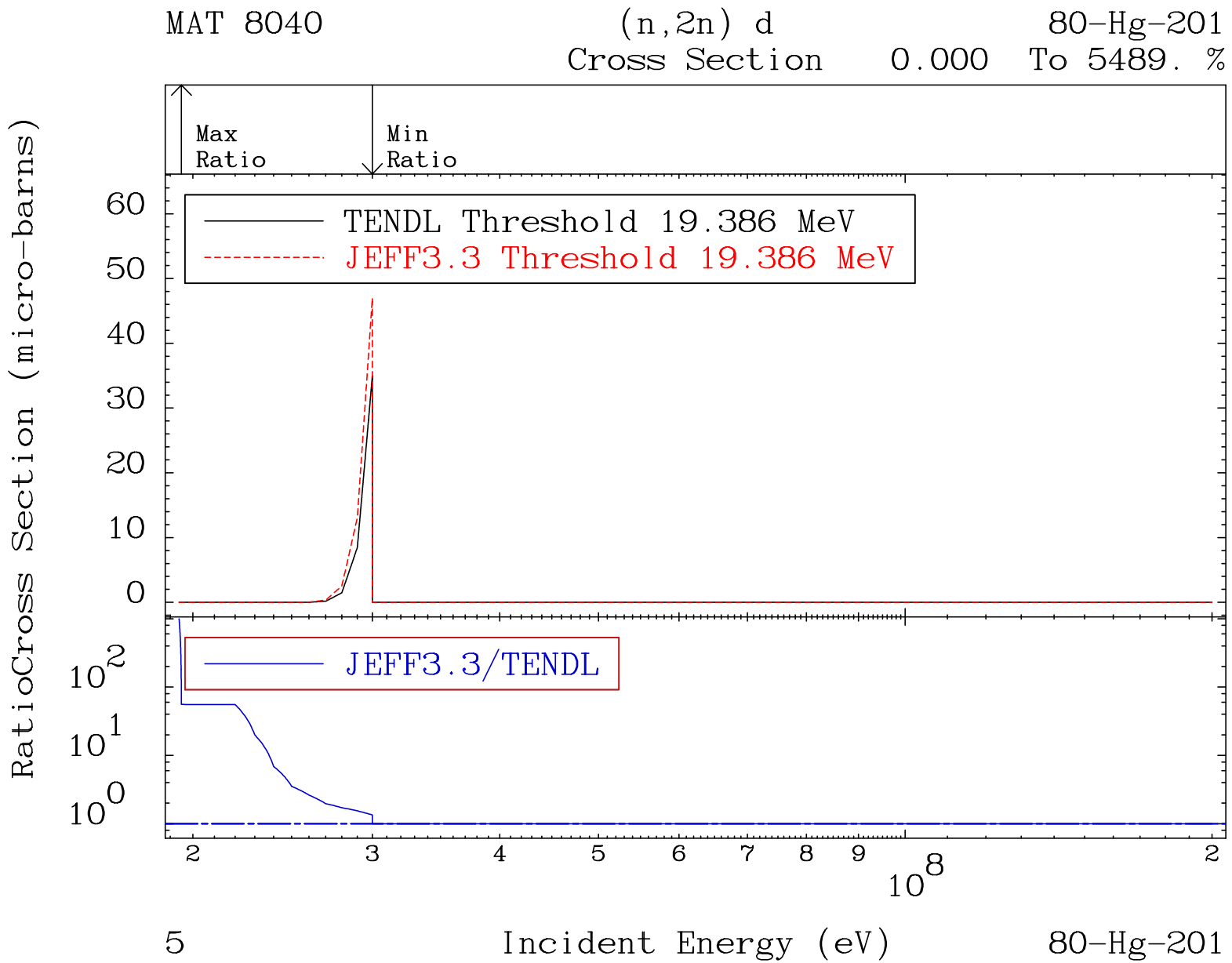
Press Mouse Button to Start

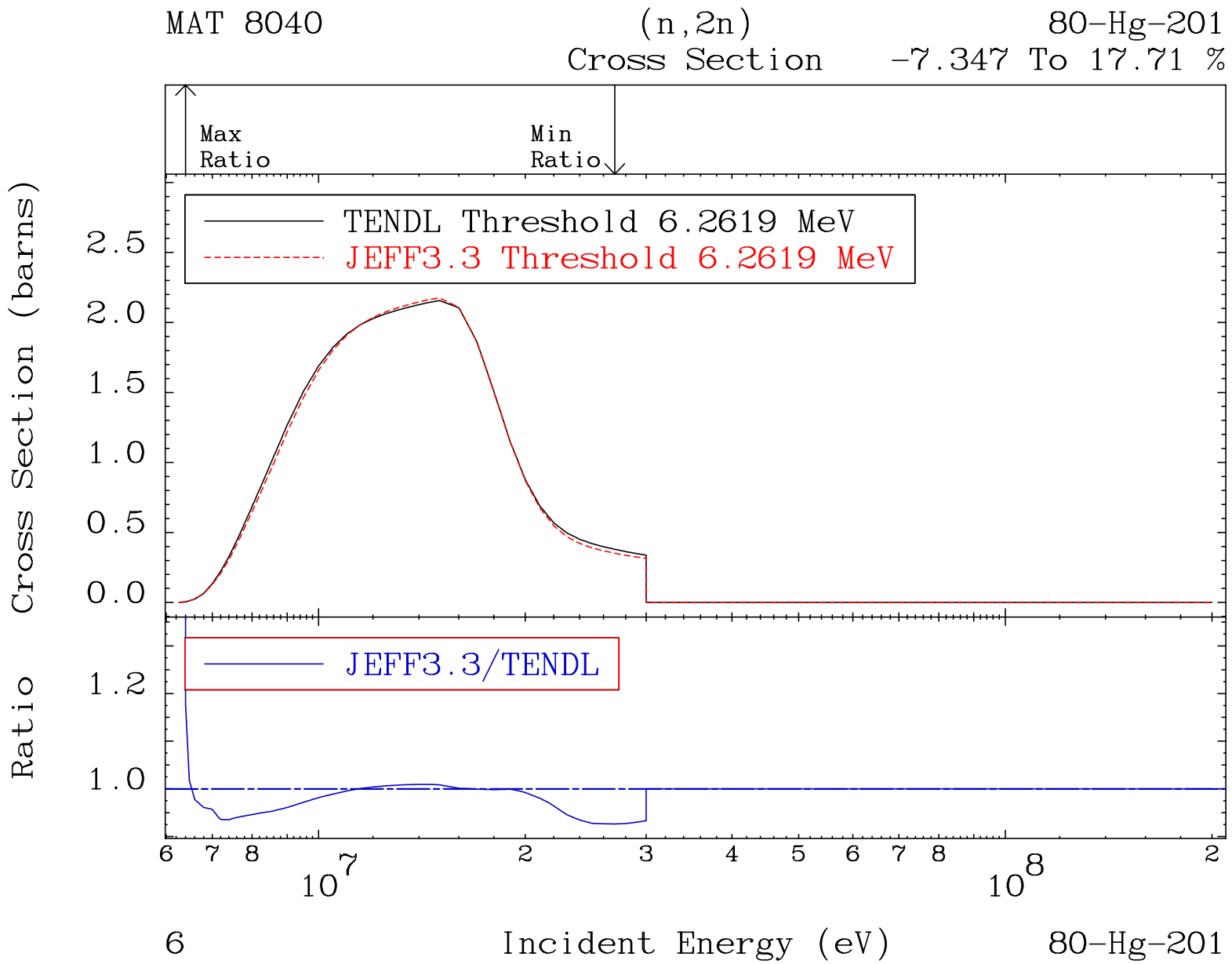

MAT 8040
Total
Cross Section
80-Hg-201
-53.27 To 1708. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
80-Hg-201

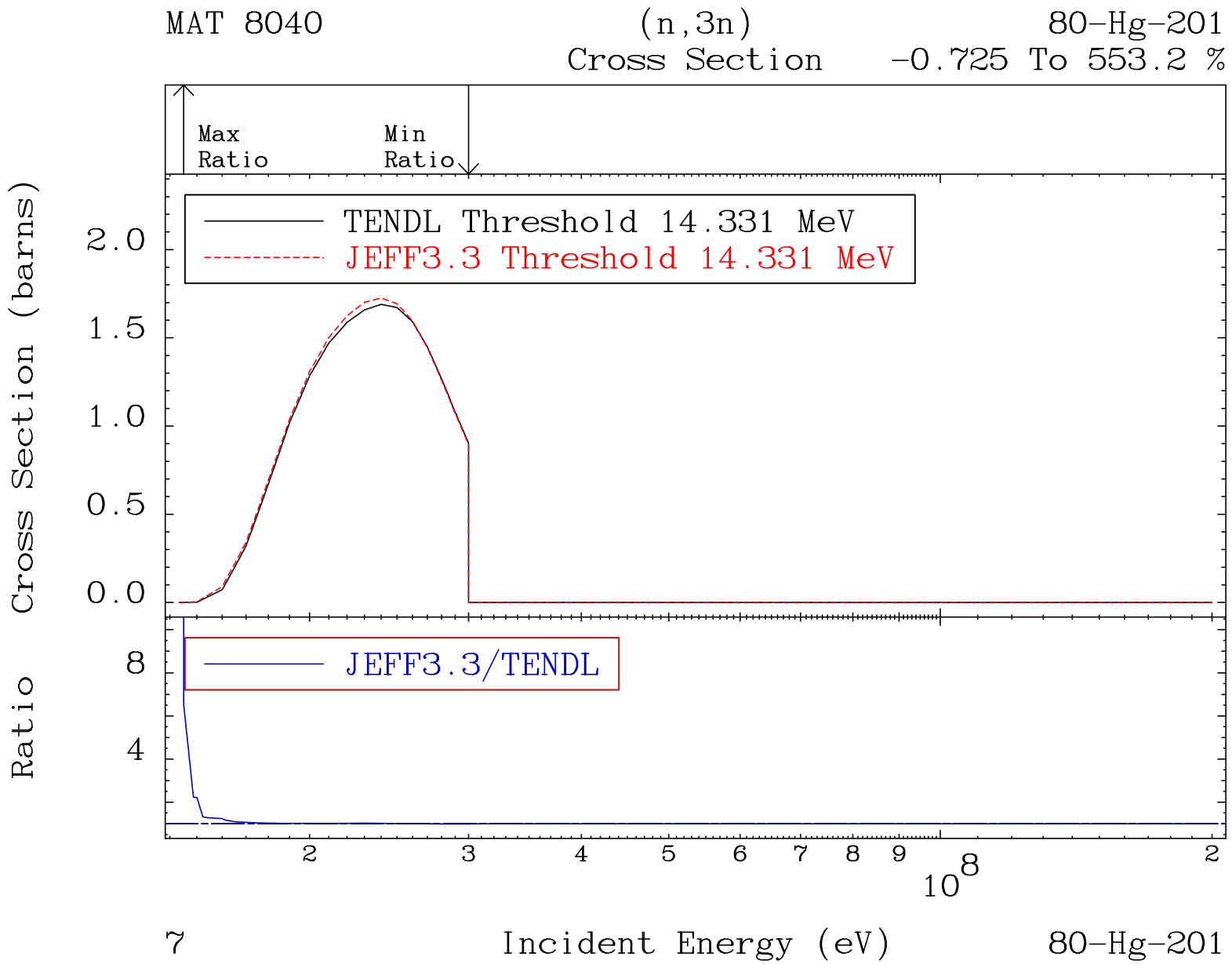

MAT 8040
Elastic
Cross Section
80-Hg-201
-50.76 To 1647. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
80-Hg-201

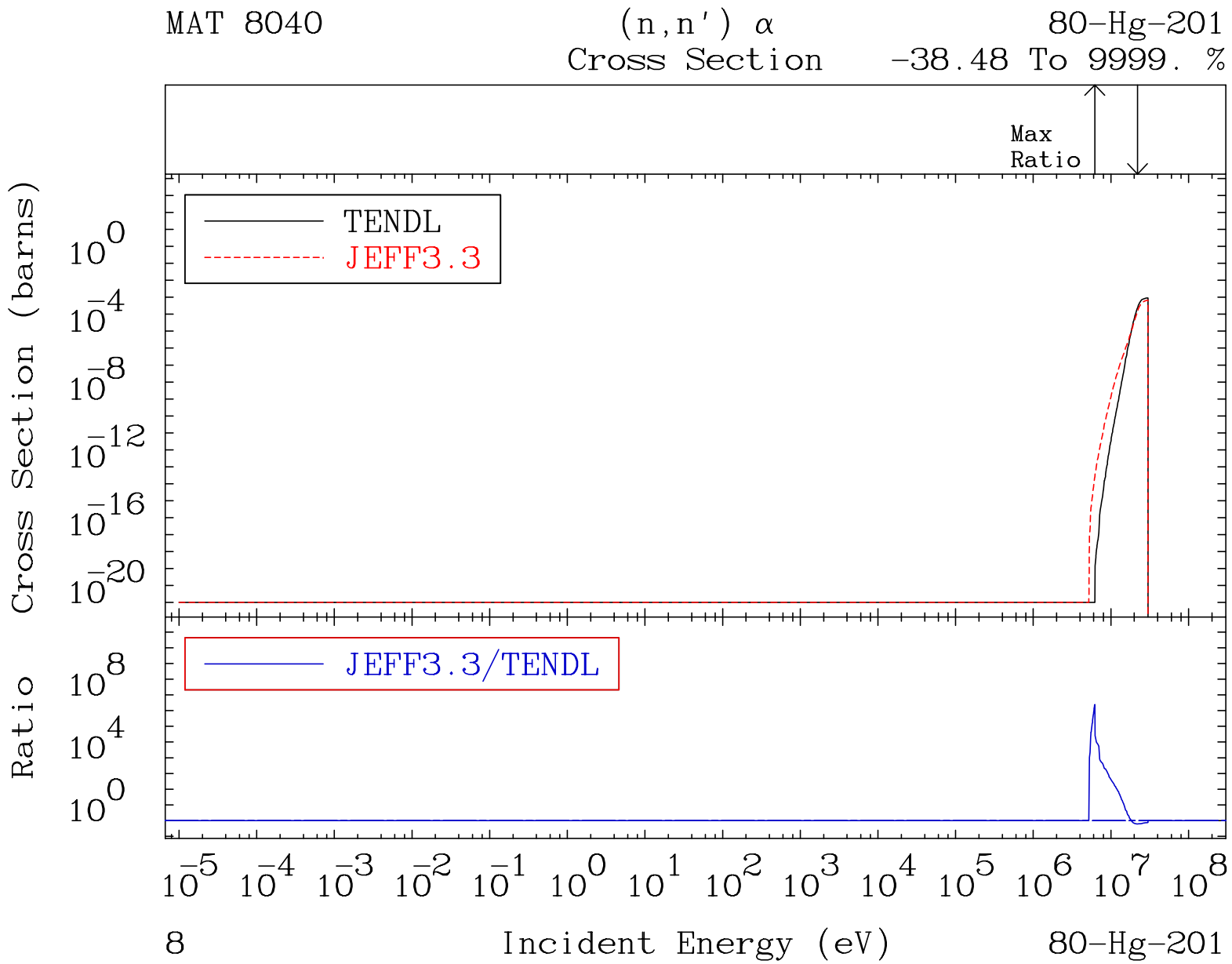

MAT 8040
Inelastic
Cross Section
80-Hg-201
-100.0 To 4.277 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.5728 keV
JEFF3.3 Threshold 1.5728 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
80-Hg-201

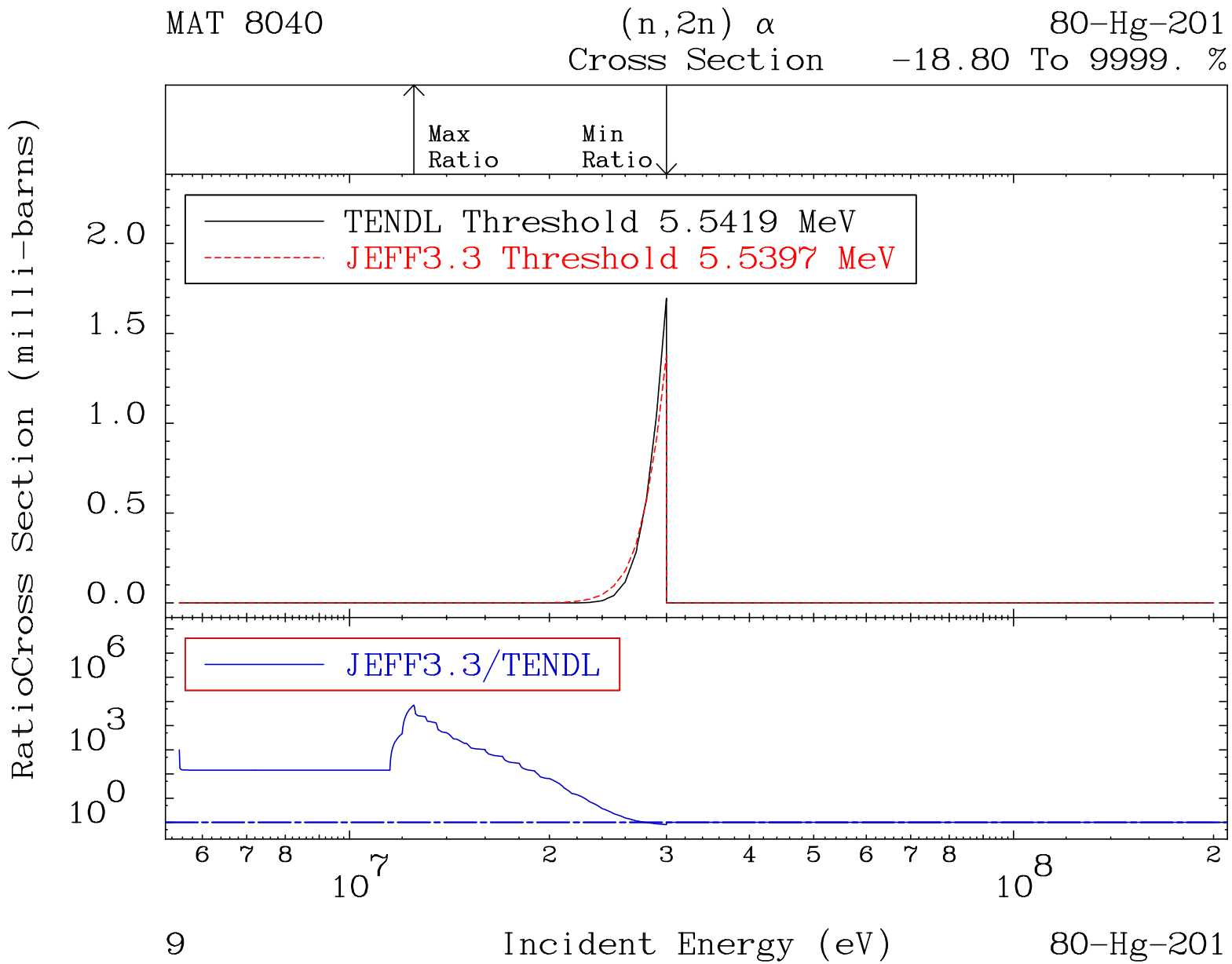

MAT 8040
(n,remainder)
Cross Section
80-Hg-201
-0.065 To 0.000 %
Max
Ratio
Min
Ratio
TENDL Threshold 30.000 MeV
JEFF3.3 Threshold 30.000 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.02
1.01
1.00
0.99
40
60
80
100
120
140
160
180
200
Incident Energy (MeV)
4
80-Hg-201

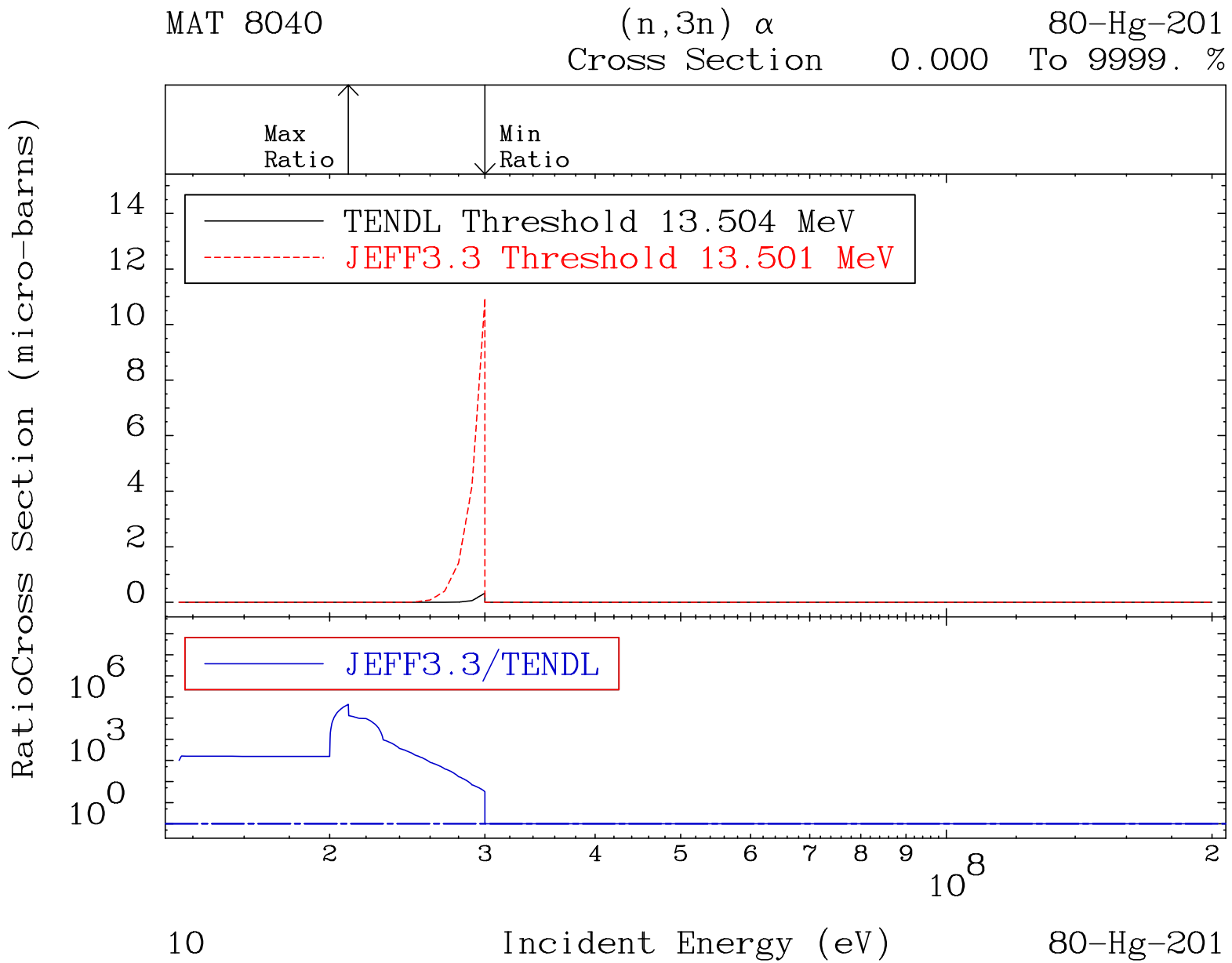

MAT 8040
(n,2n) d
80-Hg-201
Cross Section 0.000 To 5489. %
Max Ratio
Min Ratio
TENDL Threshold 19.386 MeV
JEFF3.3 Threshold 19.386 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
60
50
40
30
20
10
0
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
80-Hg-201

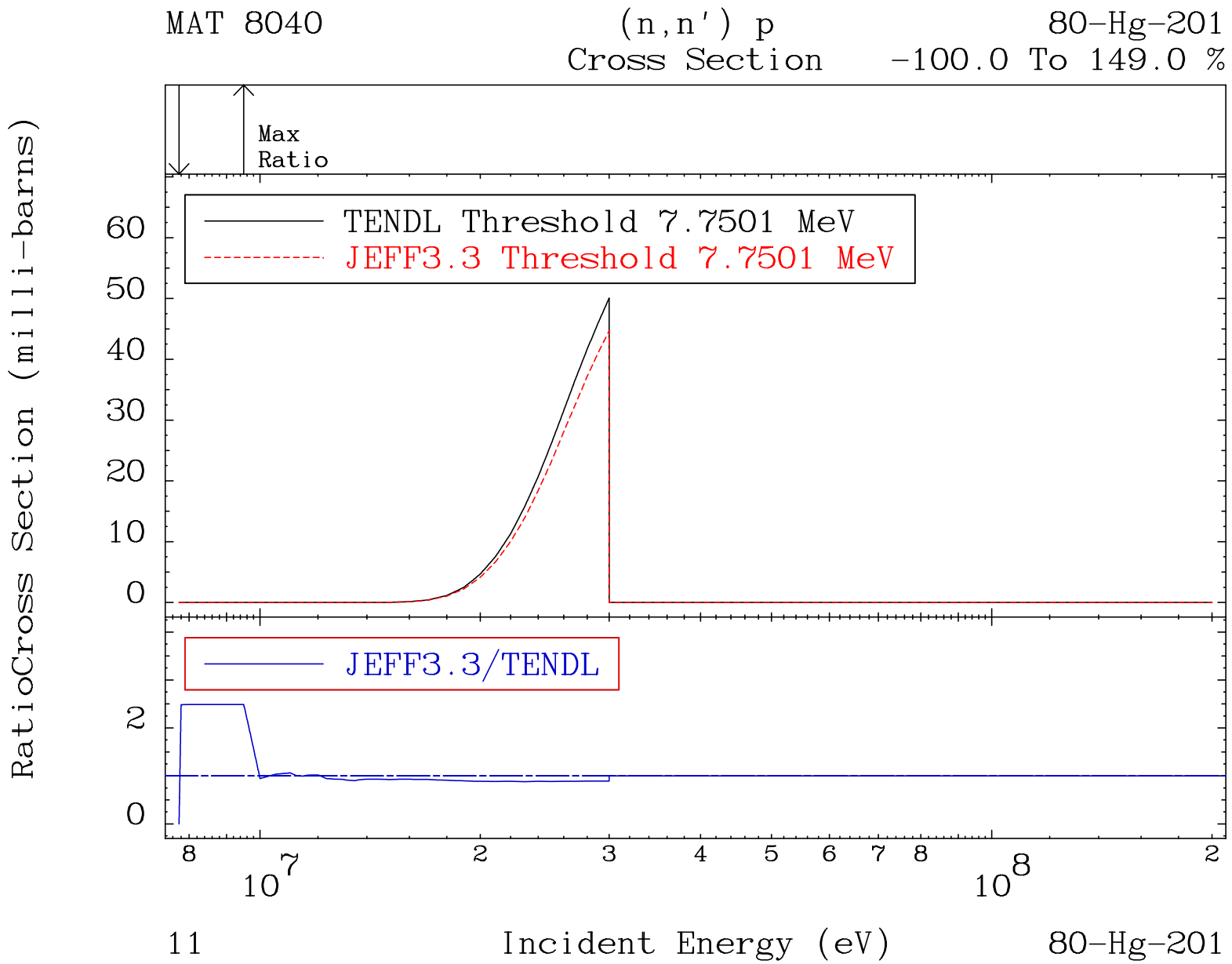

MAT 8040
(n,2n)
Cross Section
80-Hg-201
-7.347 To 17.71 %
Max Ratio
Min Ratio
TENDL Threshold 6.2619 MeV
JEFF3.3 Threshold 6.2619 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
80-Hg-201

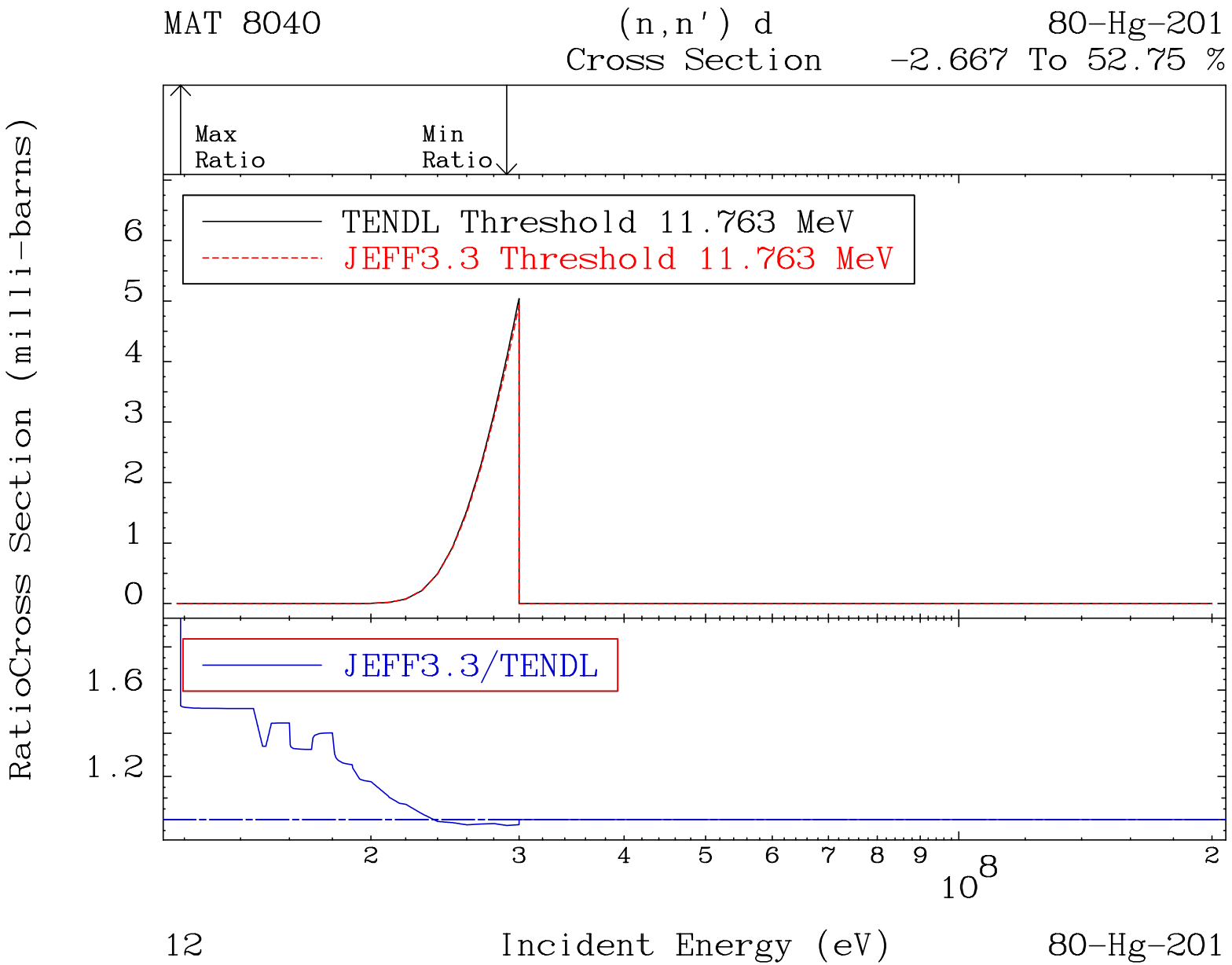

MAT 8040
(n,3n)
80-Hg-201
Cross Section
-0.725 To 553.2 %
Max Ratio
Min Ratio
TENDL Threshold 14.331 MeV
JEFF3.3 Threshold 14.331 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
8
4
2
3
4
5
6
7
8
9
2
10^8
7
Incident Energy (eV)
80-Hg-201

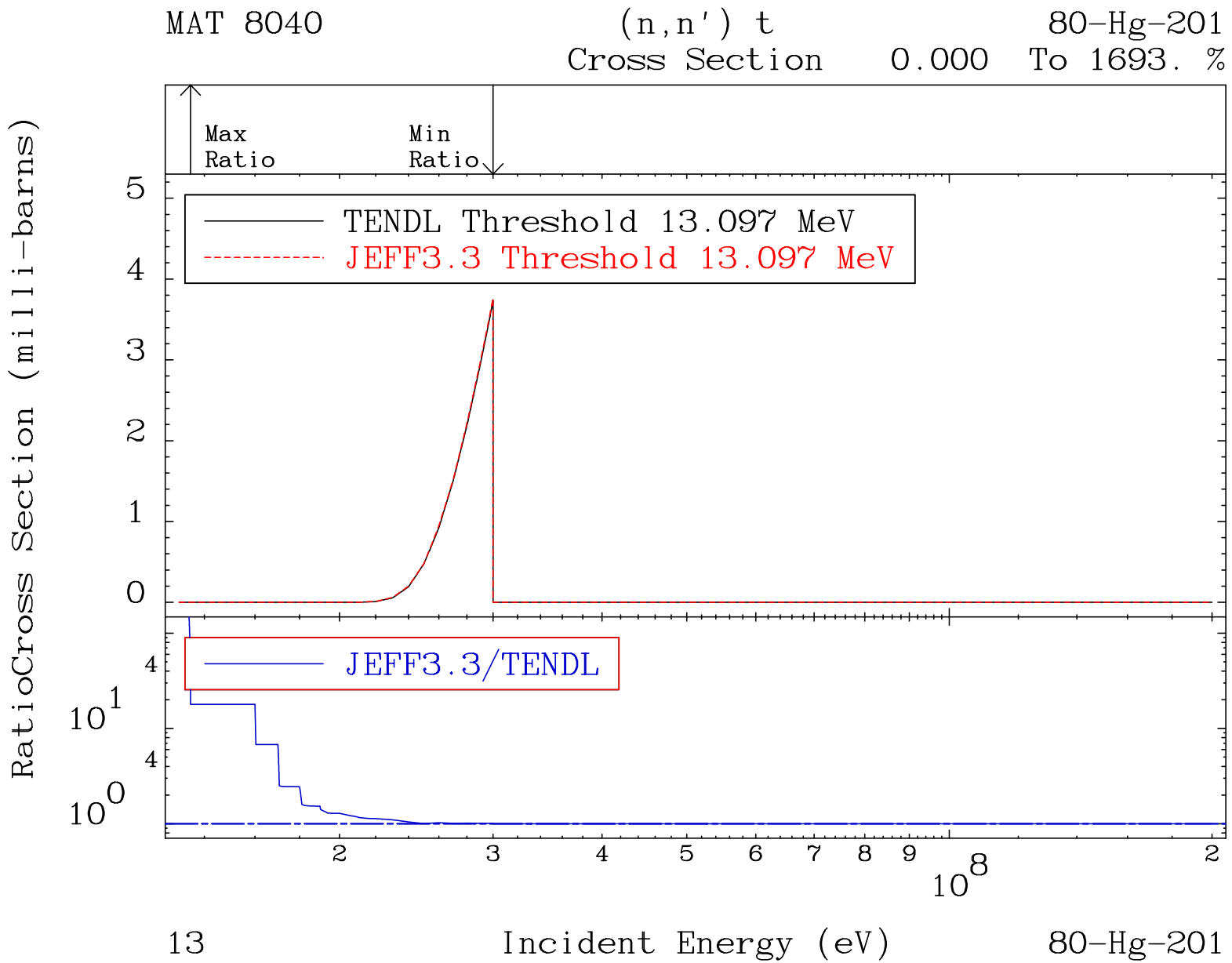

MAT 8040
(n,n') α
Cross Section
80-Hg-201
-38.48 To 9999. %
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
8
80-Hg-201

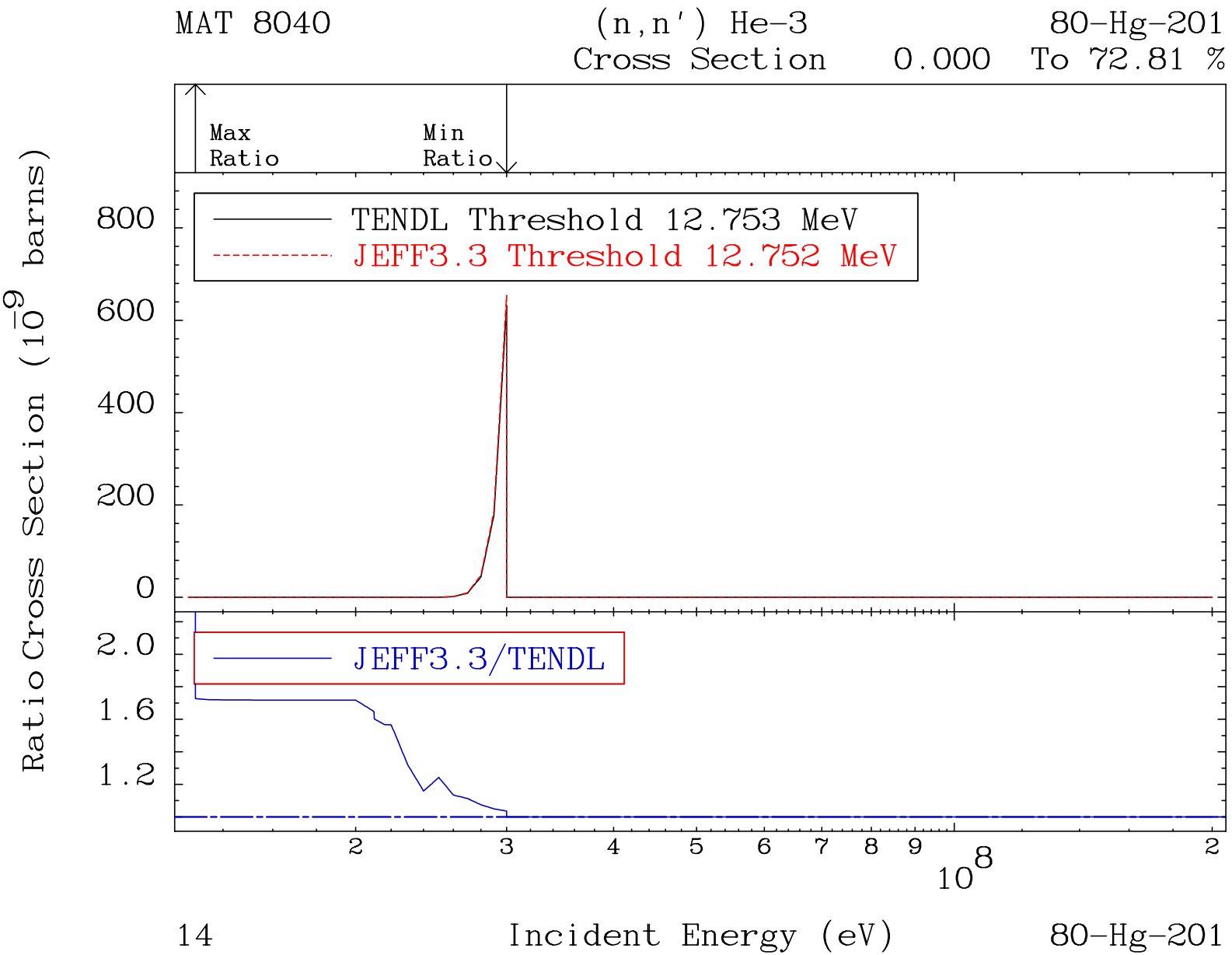

MAT 8040
(n,2n) α
Cross Section
80-Hg-201
-18.80 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.5419 MeV
JEFF3.3 Threshold 5.5397 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
10^6
10^3
10^0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
9
Incident Energy (eV)
80-Hg-201

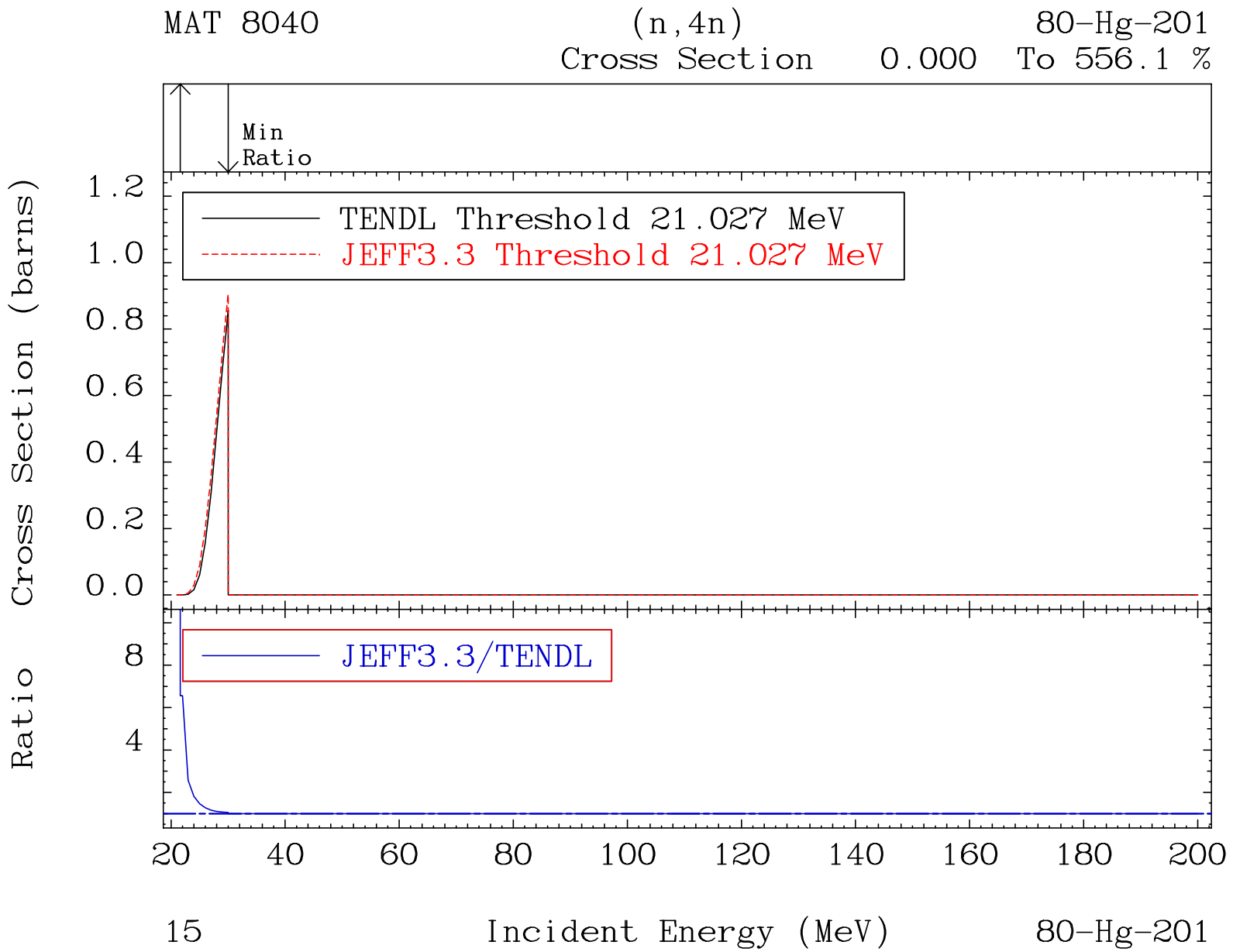

MAT 8040
(n,3n) α
80-Hg-201
Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 13.504 MeV
JEFF3.3 Threshold 13.501 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
14
12
10
8
6
4
2
0
10^6
10^3
10^0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
80-Hg-201

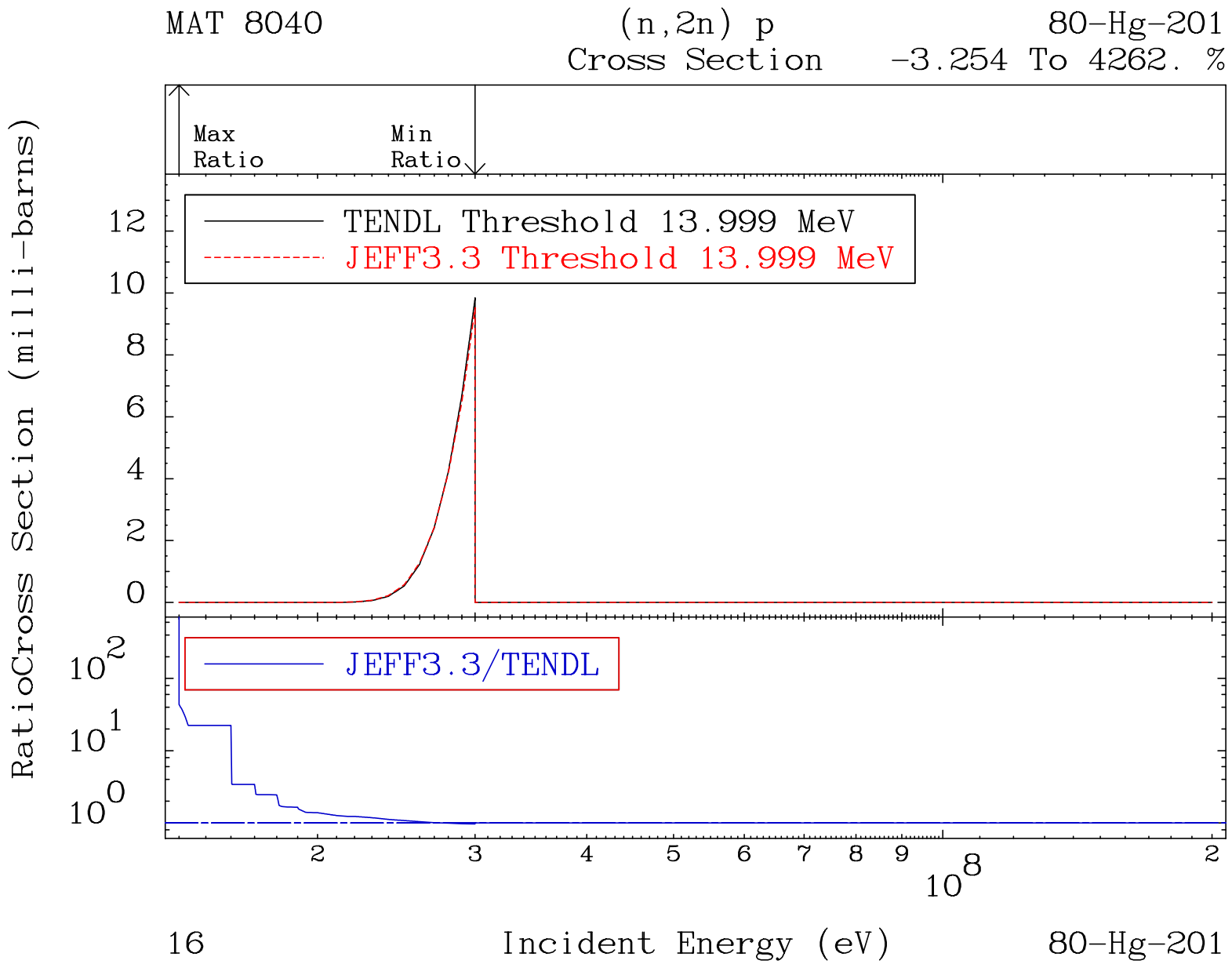

MAT 8040
(n,n') p
Cross Section
80-Hg-201
-100.0 To 149.0 %
Max
Ratio
TENDL Threshold 7.7501 MeV
JEFF3.3 Threshold 7.7501 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
2
0
8
2
3
4
5
6
7
8
2
10^7
10^8
11
Incident Energy (eV)
80-Hg-201

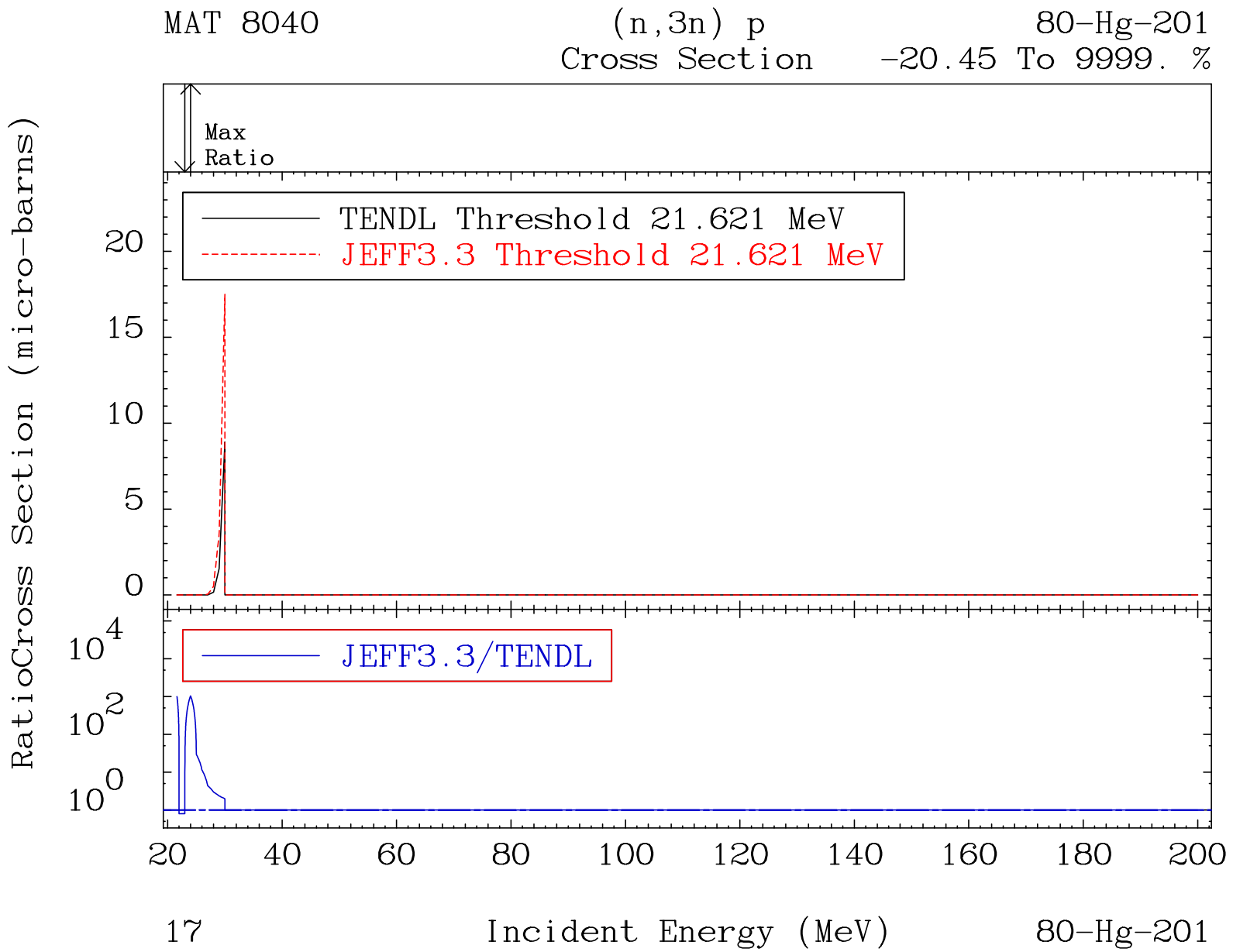

MAT 8040
(n,n') d
Cross Section
80-Hg-201
-2.667 To 52.75 %
Max Ratio
Min Ratio
TENDL Threshold 11.763 MeV
JEFF3.3 Threshold 11.763 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0
1
2
3
4
5
6
1.2
1.6
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
80-Hg-201

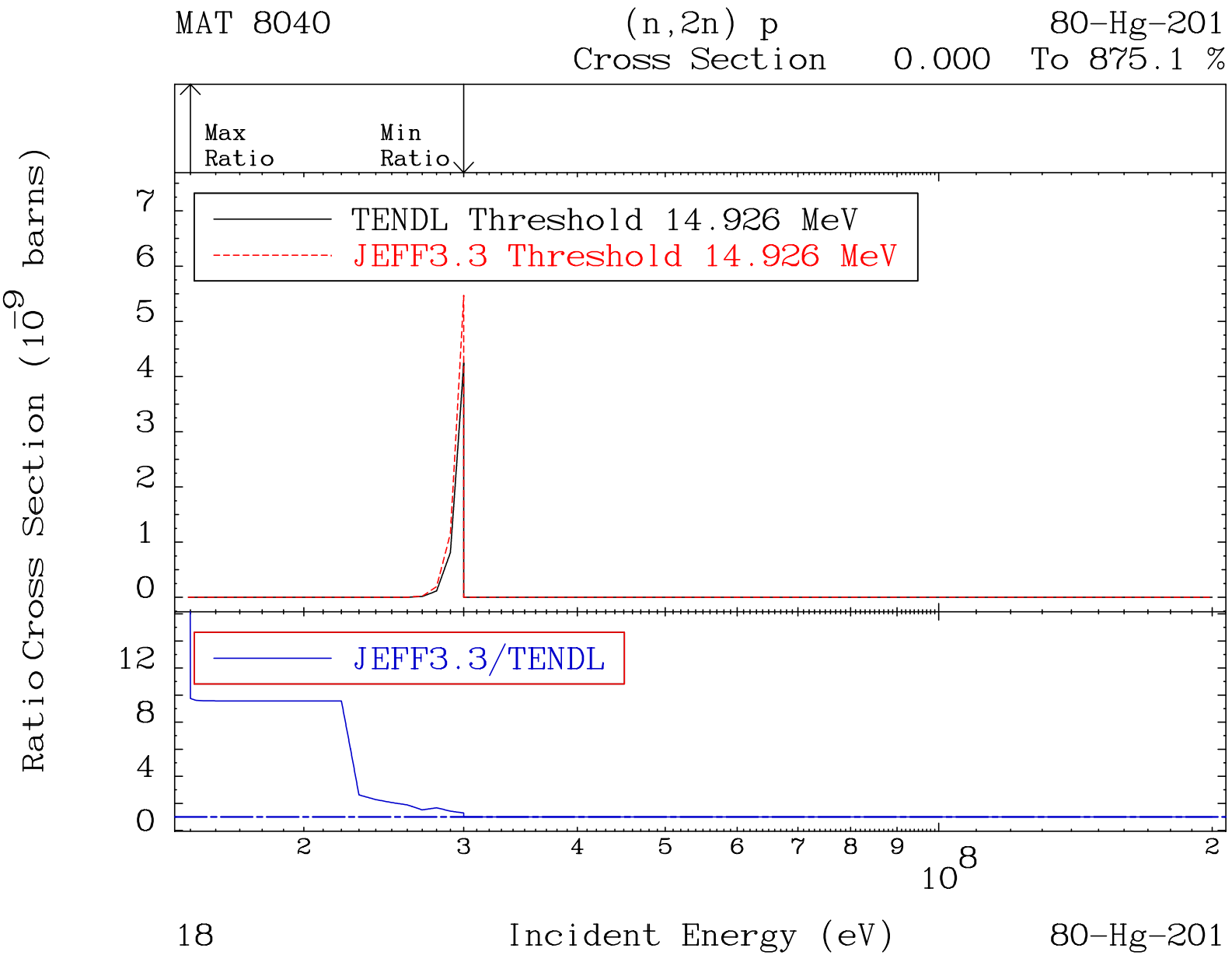

MAT 8040
(n,n') t
Cross Section
80-Hg-201
0.000 To 1693. %
Max Ratio
Min Ratio
TENDL Threshold 13.097 MeV
JEFF3.3 Threshold 13.097 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
13
80-Hg-201

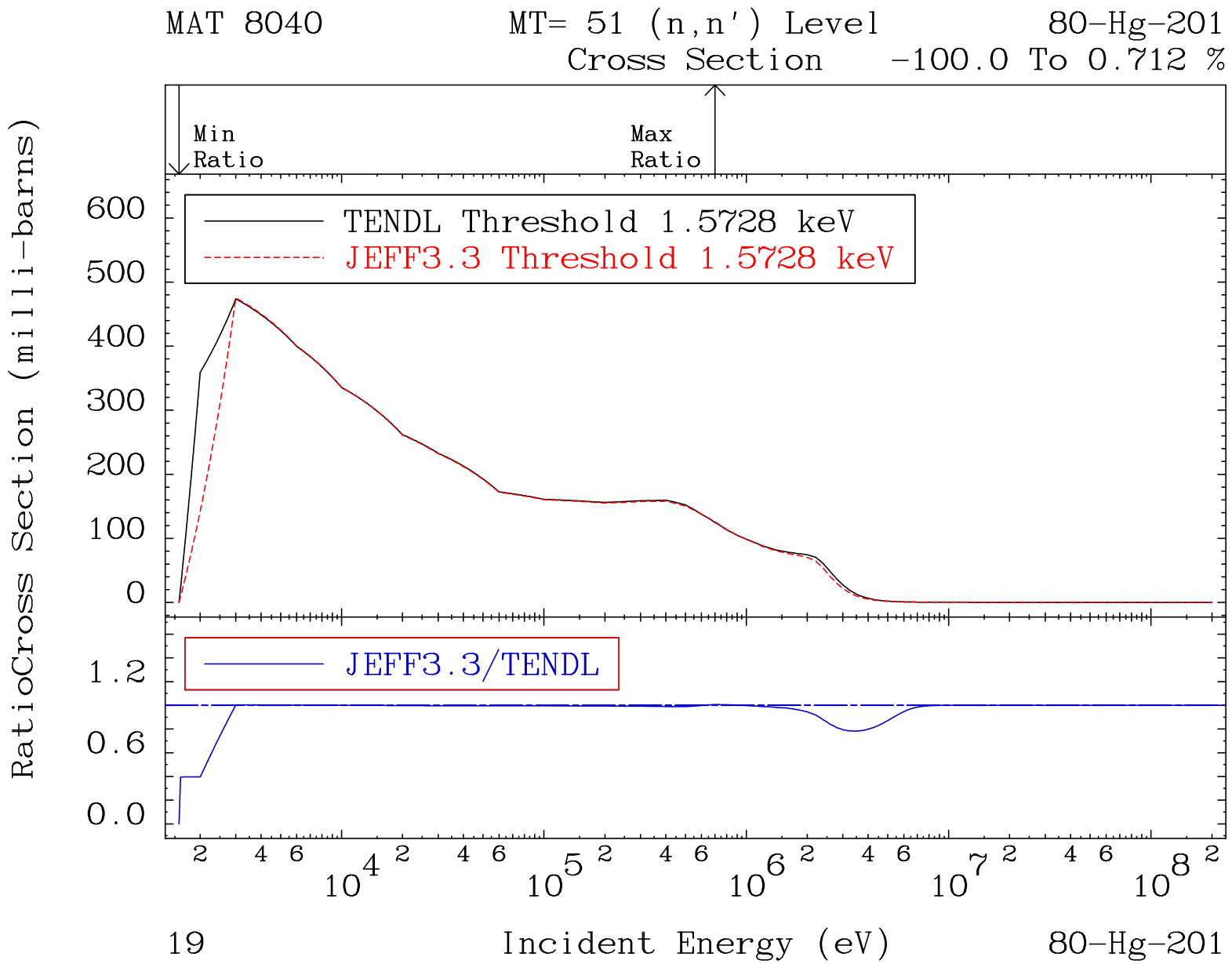

MAT 8040
(n,n') He-3
Cross Section
80-Hg-201
0.000 To 72.81 %
Max Ratio
Min Ratio
TENDL Threshold 12.753 MeV
JEFF3.3 Threshold 12.752 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
800
600
400
200
0
2.0
1.6
1.2
2
3
4
5
6
7
8
9
10^8
2
14
Incident Energy (eV)
80-Hg-201

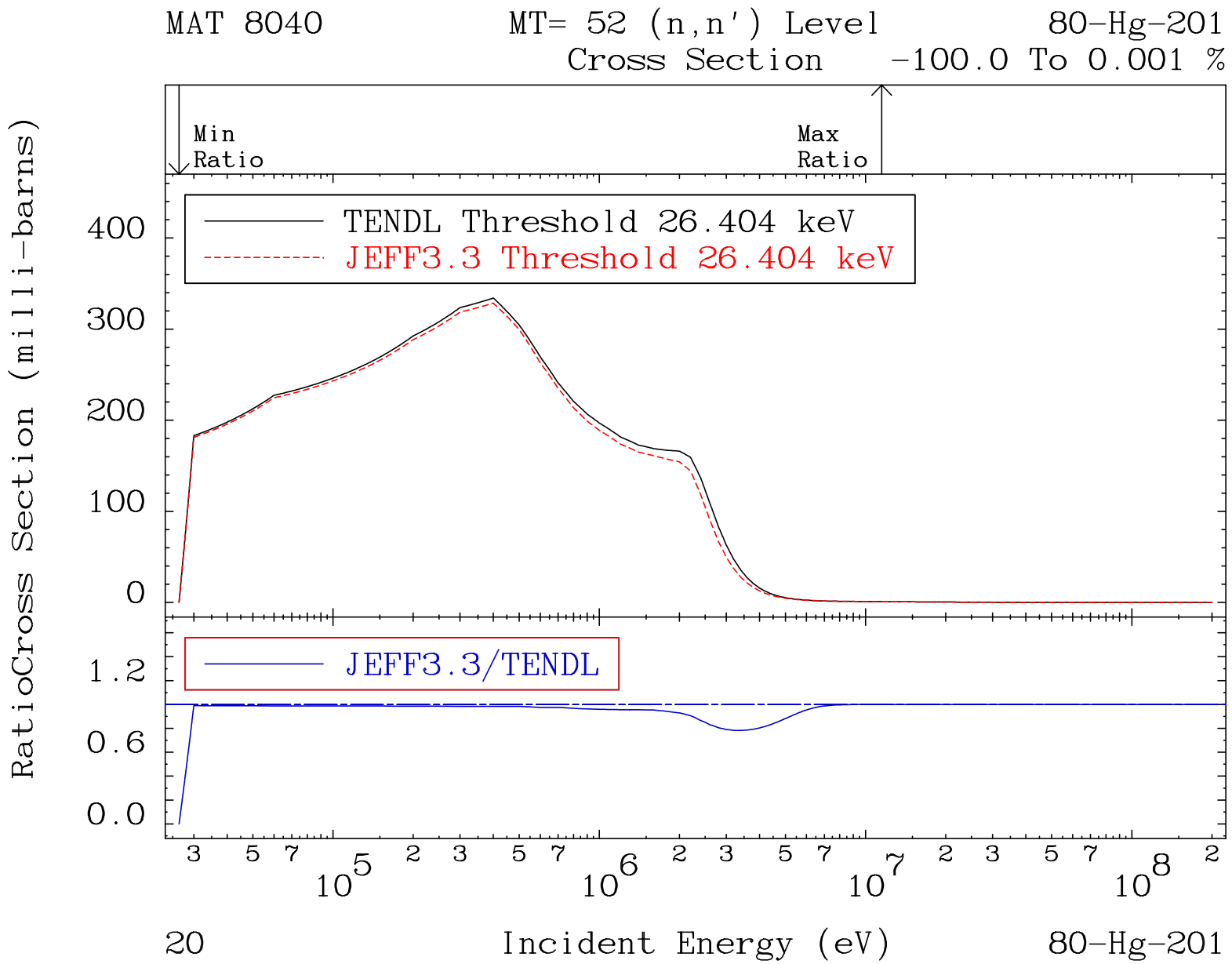

MAT 8040
(n,4n)
80-Hg-201
Cross Section 0.000 To 556.1 %
Min
Ratio
TENDL Threshold 21.027 MeV
JEFF3.3 Threshold 21.027 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
8
4
20
40
60
80
100
120
140
160
180
200
15
Incident Energy (MeV)
80-Hg-201

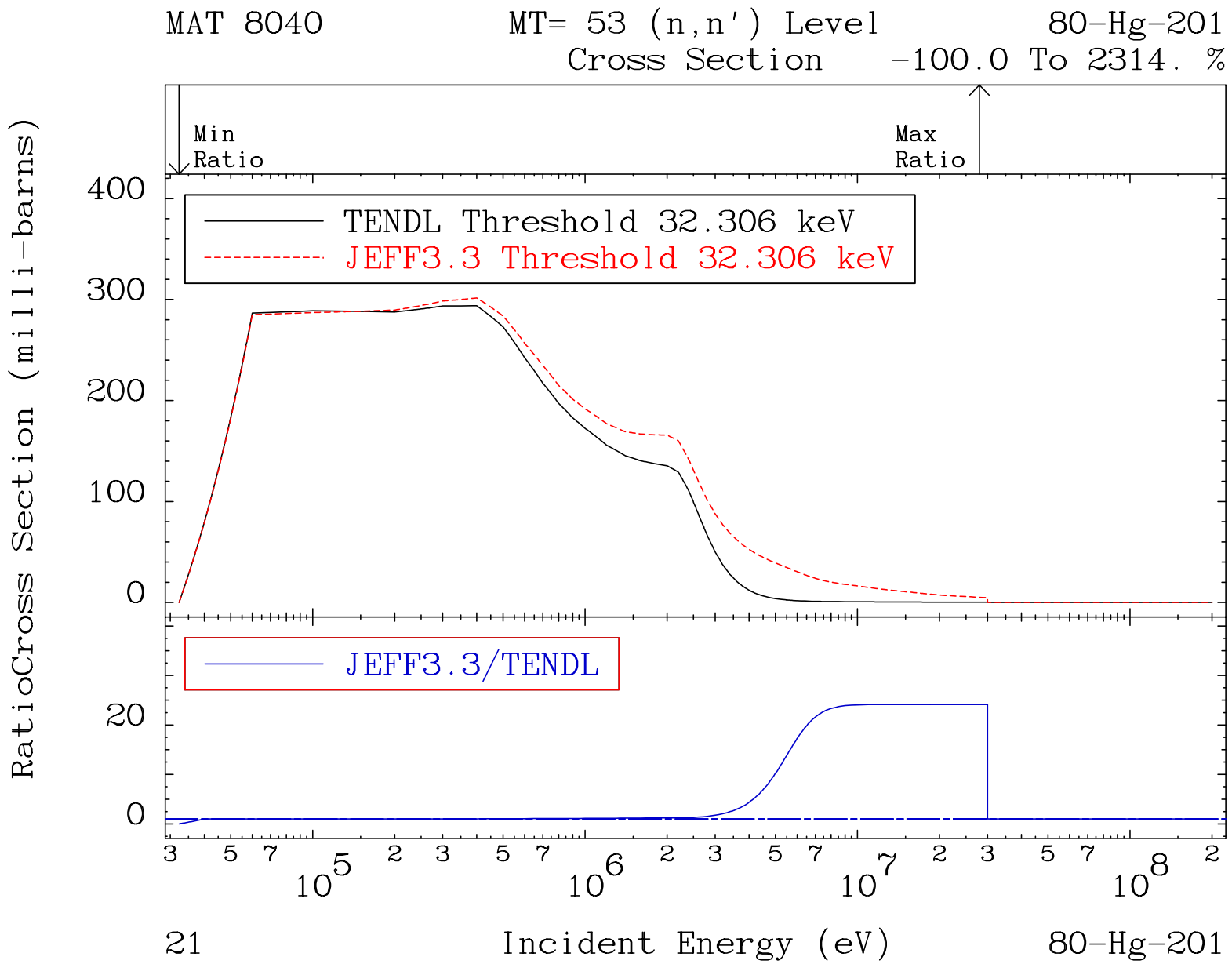

MAT 8040
(n,2n) p
Cross Section
80-Hg-201
-3.254 To 4262. %
Max Ratio
Min Ratio
TENDL Threshold 13.999 MeV
JEFF3.3 Threshold 13.999 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
16
80-Hg-201

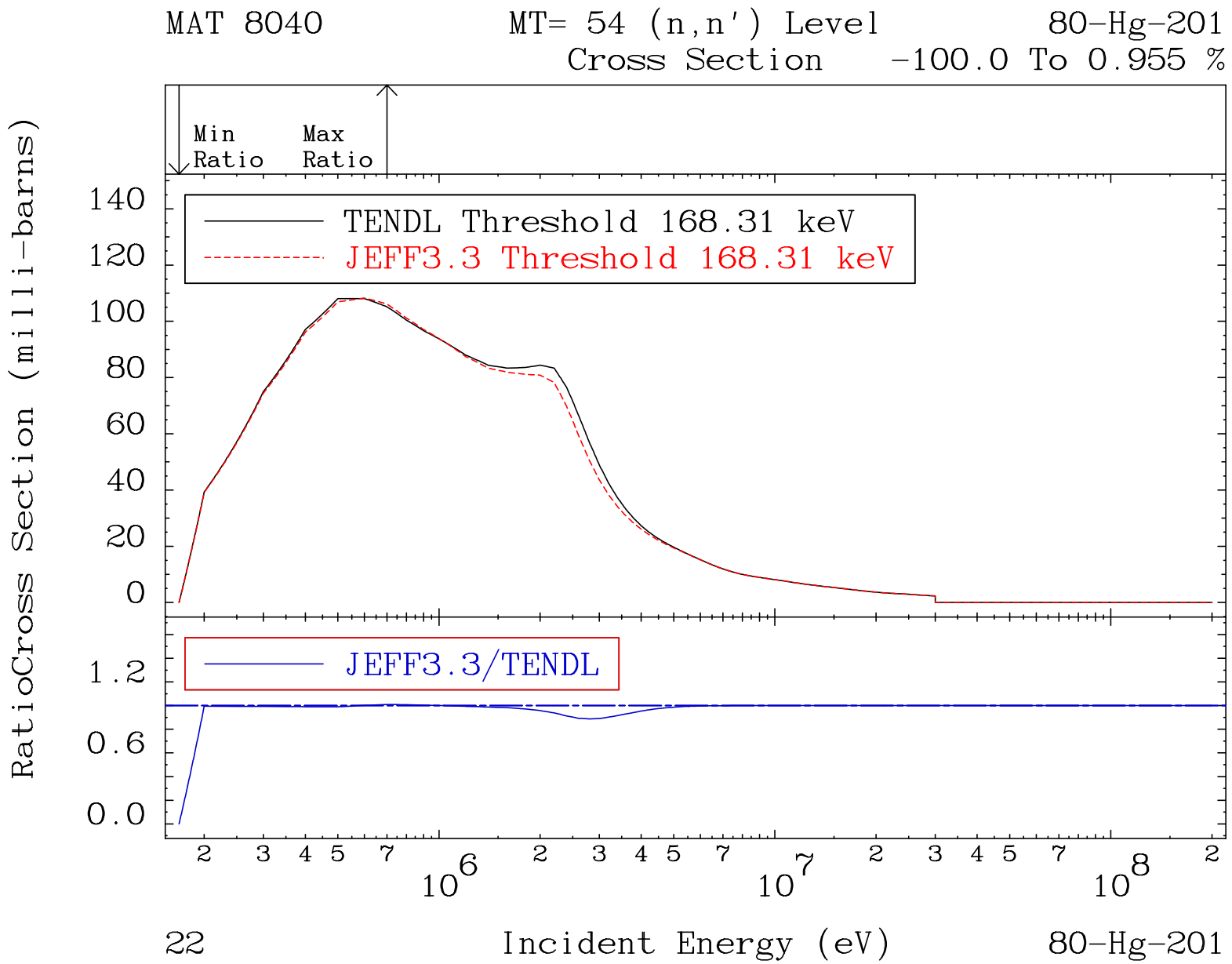

MAT 8040
(n,3n) p
Cross Section
80-Hg-201
-20.45 To 9999. %
Max
Ratio
TENDL Threshold 21.621 MeV
JEFF3.3 Threshold 21.621 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
20
15
10
5
0
10^4
10^2
10^0
20
40
60
80
100
120
140
160
180
200
17
Incident Energy (MeV)
80-Hg-201

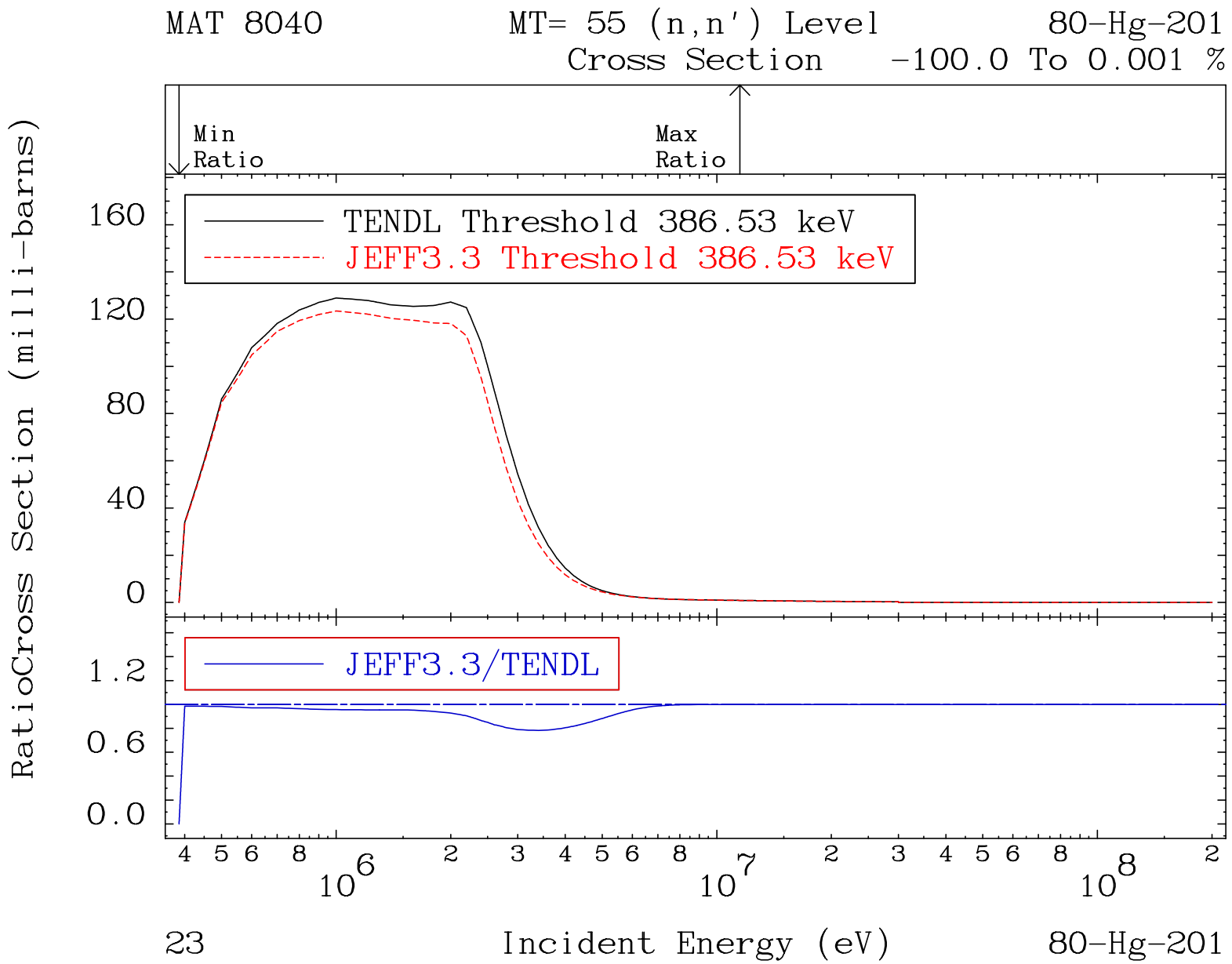

MAT 8040
(n,2n) p
Cross Section
80-Hg-201
0.000 To 875.1 %
Max Ratio
Min Ratio
TENDL Threshold 14.926 MeV
JEFF3.3 Threshold 14.926 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
Incident Energy (eV)
10^8
18
80-Hg-201

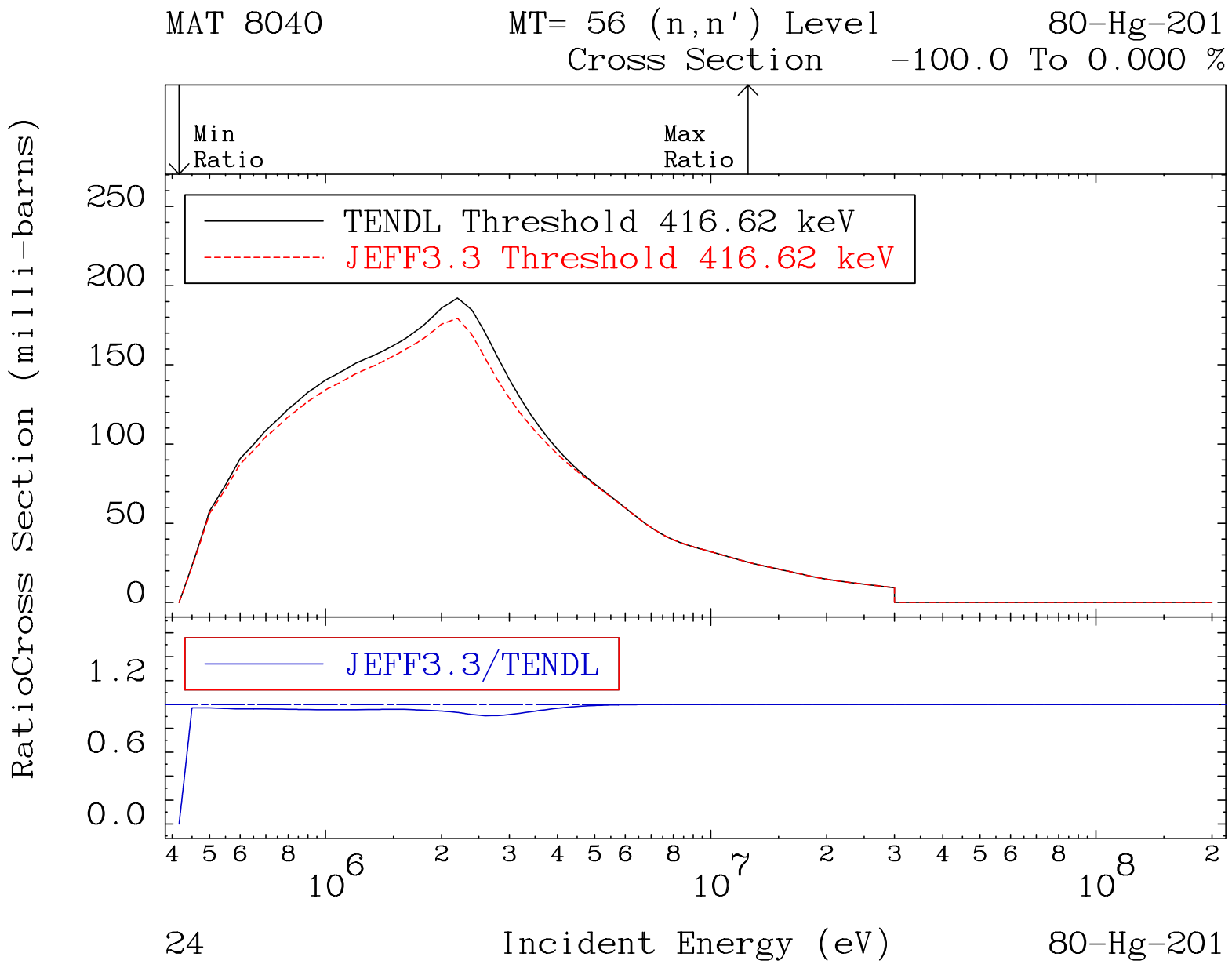

MAT 8040
MT= 51 (n,n') Level
80-Hg-201
Cross Section -100.0 To 0.712 %
Min Ratio
Max Ratio
TENDL Threshold 1.5728 keV
JEFF3.3 Threshold 1.5728 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
1.2
0.6
0.0
2 4 6 10^4 2 4 6 10^5 2 4 6 10^6 2 4 6 10^7 2 4 6 10^8 2
19
Incident Energy (eV)
80-Hg-201

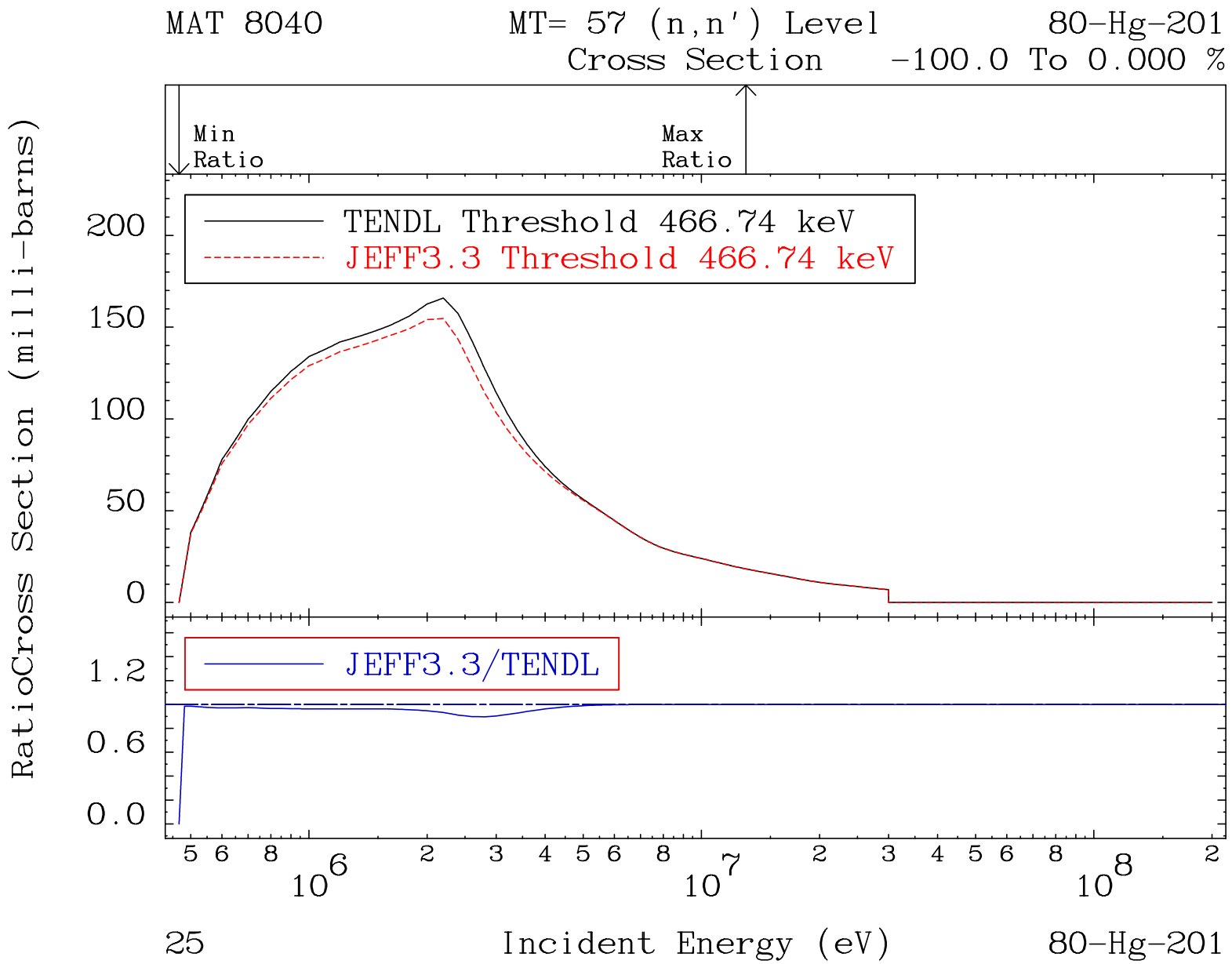

MAT 8040
MT= 52 (n,n') Level
80-Hg-201
Cross Section -100.0 To 0.001 %
Min Ratio
Max Ratio
TENDL Threshold 26.404 keV
JEFF3.3 Threshold 26.404 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
1.2
0.6
0.0
3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
20
Incident Energy (eV)
80-Hg-201

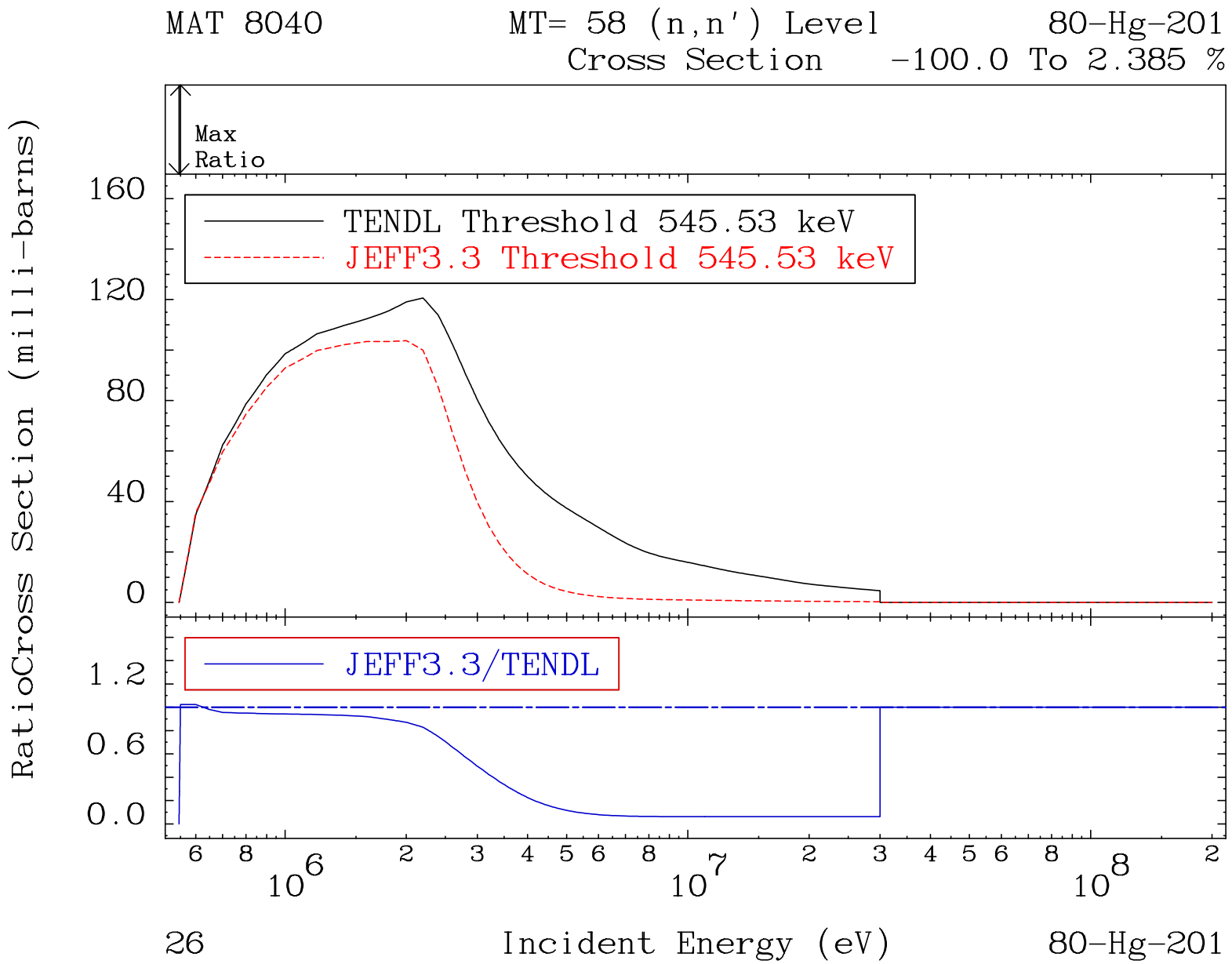

MAT 8040
MT= 53 (n,n') Level
80-Hg-201
Cross Section -100.0 To 2314. %
Min Ratio
Max Ratio
TENDL Threshold 32.306 keV
JEFF3.3 Threshold 32.306 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
20
0
3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
21
Incident Energy (eV)
80-Hg-201

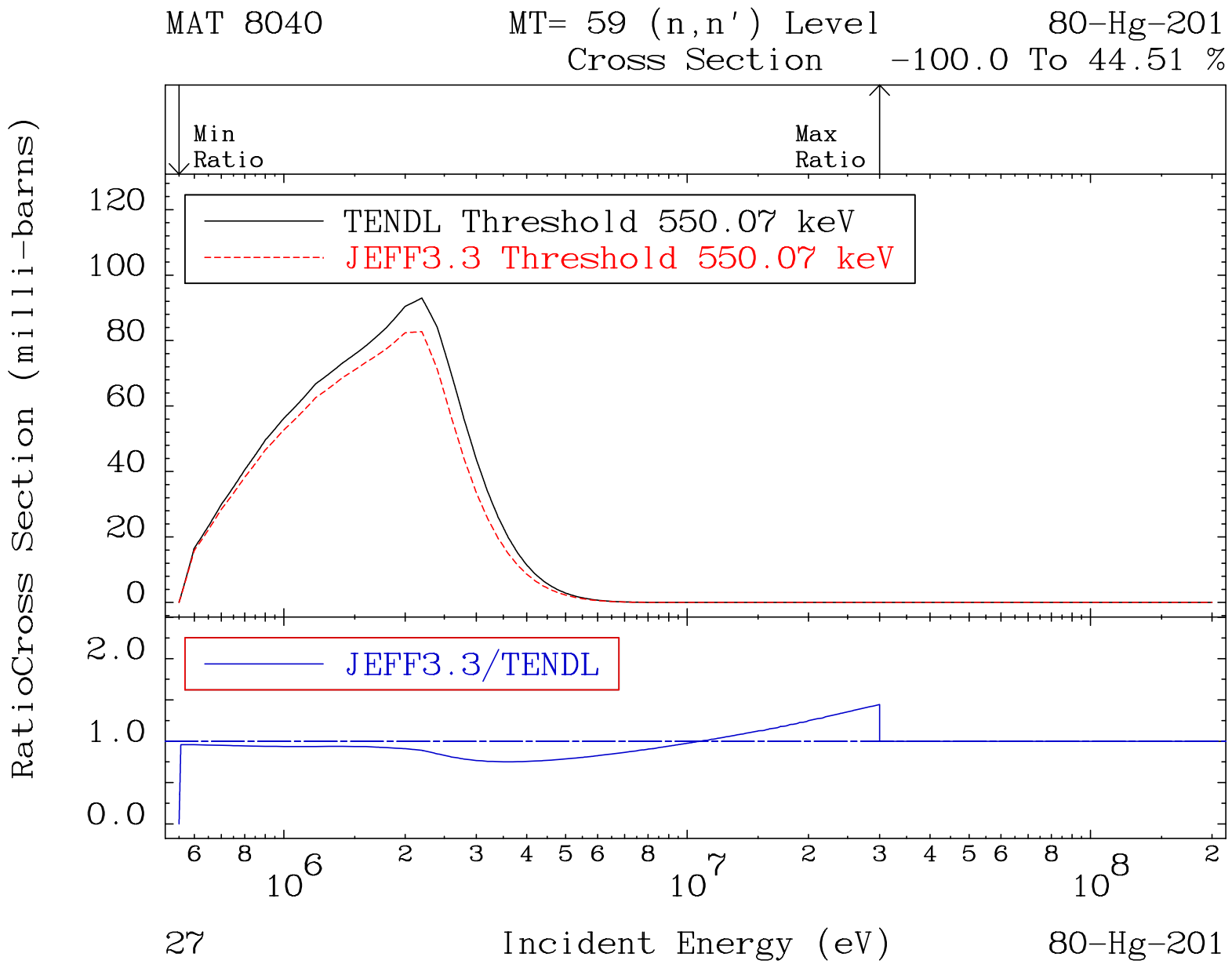

MAT 8040
MT= 54 (n,n') Level
80-Hg-201
Cross Section -100.0 To 0.955 %
Min Ratio
Max Ratio
TENDL Threshold 168.31 keV
JEFF3.3 Threshold 168.31 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
1.2
0.6
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
22
Incident Energy (eV)
80-Hg-201

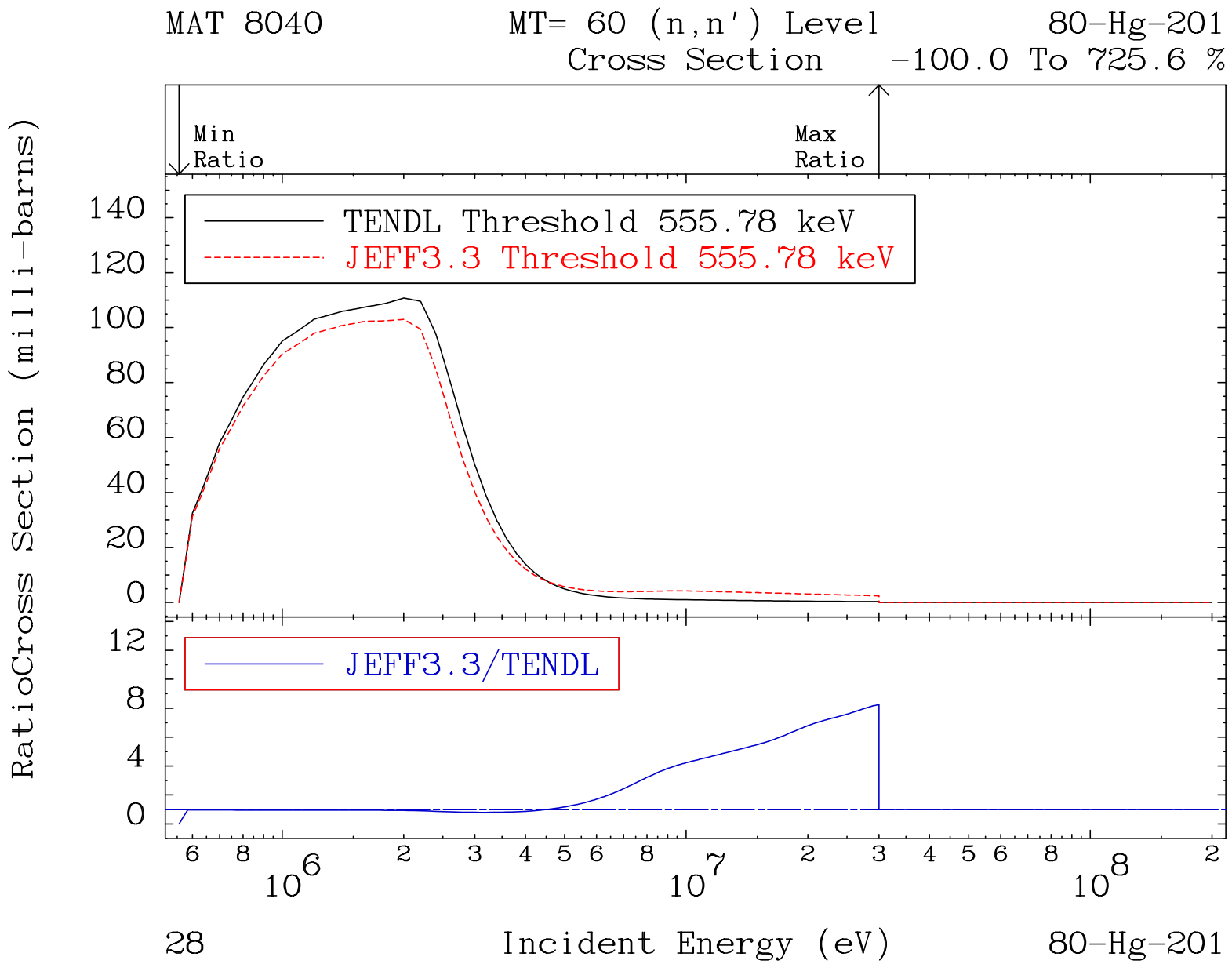

MAT 8040
MT= 55 (n,n') Level
80-Hg-201
Cross Section -100.0 To 0.001 %
Min Ratio
Max Ratio
TENDL Threshold 386.53 keV
JEFF3.3 Threshold 386.53 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.2
0.6
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
23
Incident Energy (eV)
80-Hg-201

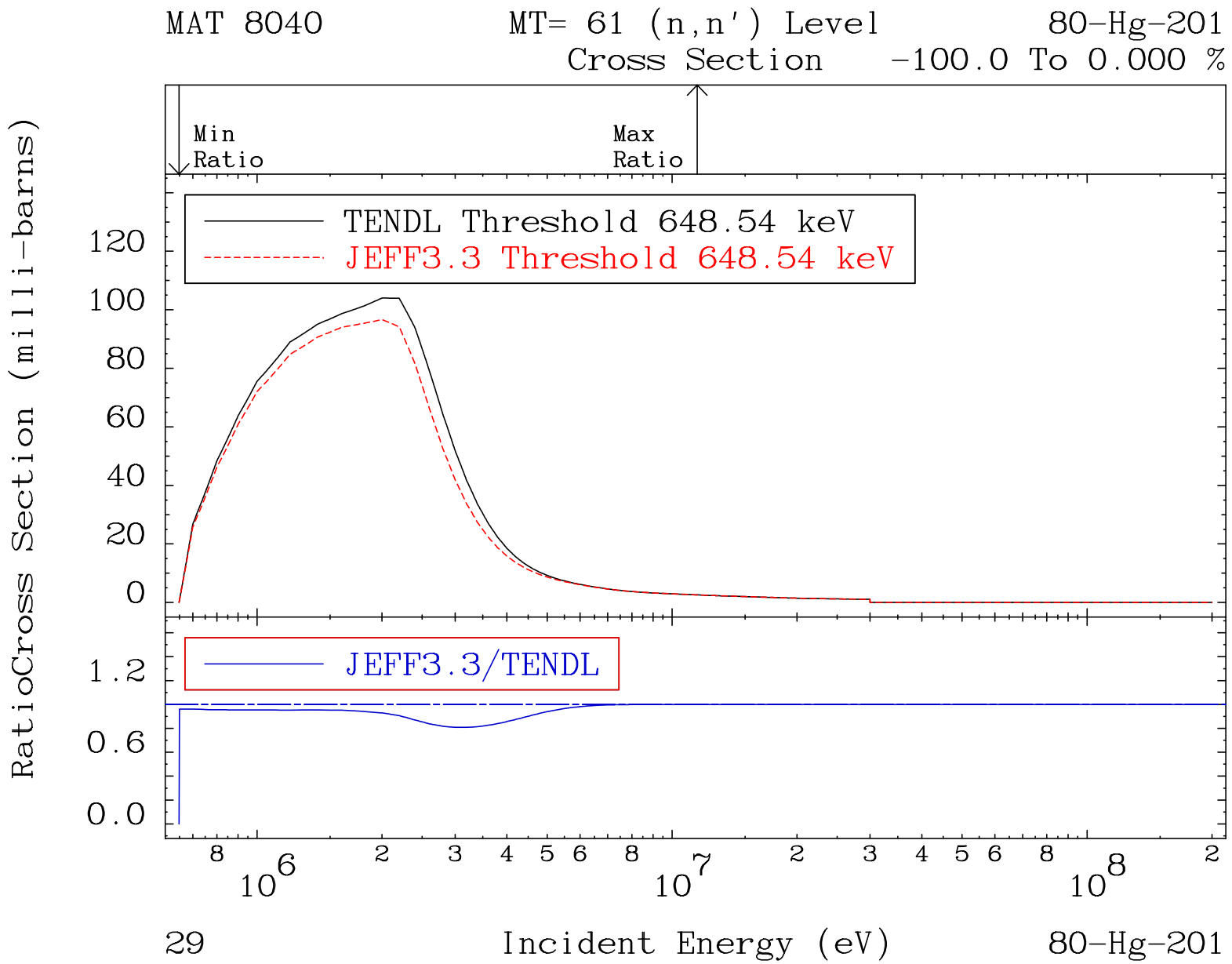

MAT 8040
MT= 56 (n,n') Level
80-Hg-201
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 416.62 keV
JEFF3.3 Threshold 416.62 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
1.2
0.6
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
24
Incident Energy (eV)
80-Hg-201

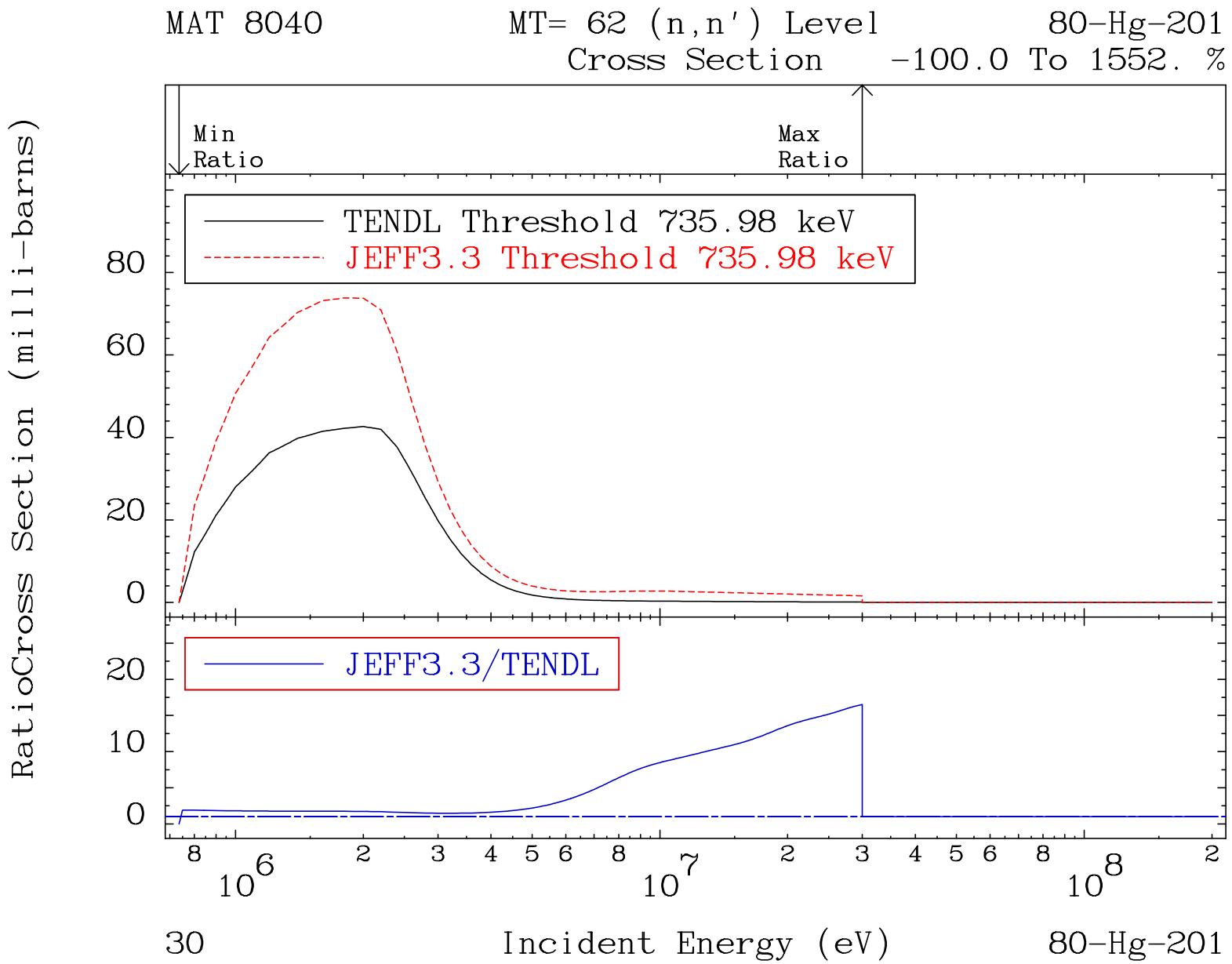

MAT 8040
MT= 57 (n,n') Level
80-Hg-201
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 466.74 keV
JEFF3.3 Threshold 466.74 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.2
0.6
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
25
Incident Energy (eV)
80-Hg-201

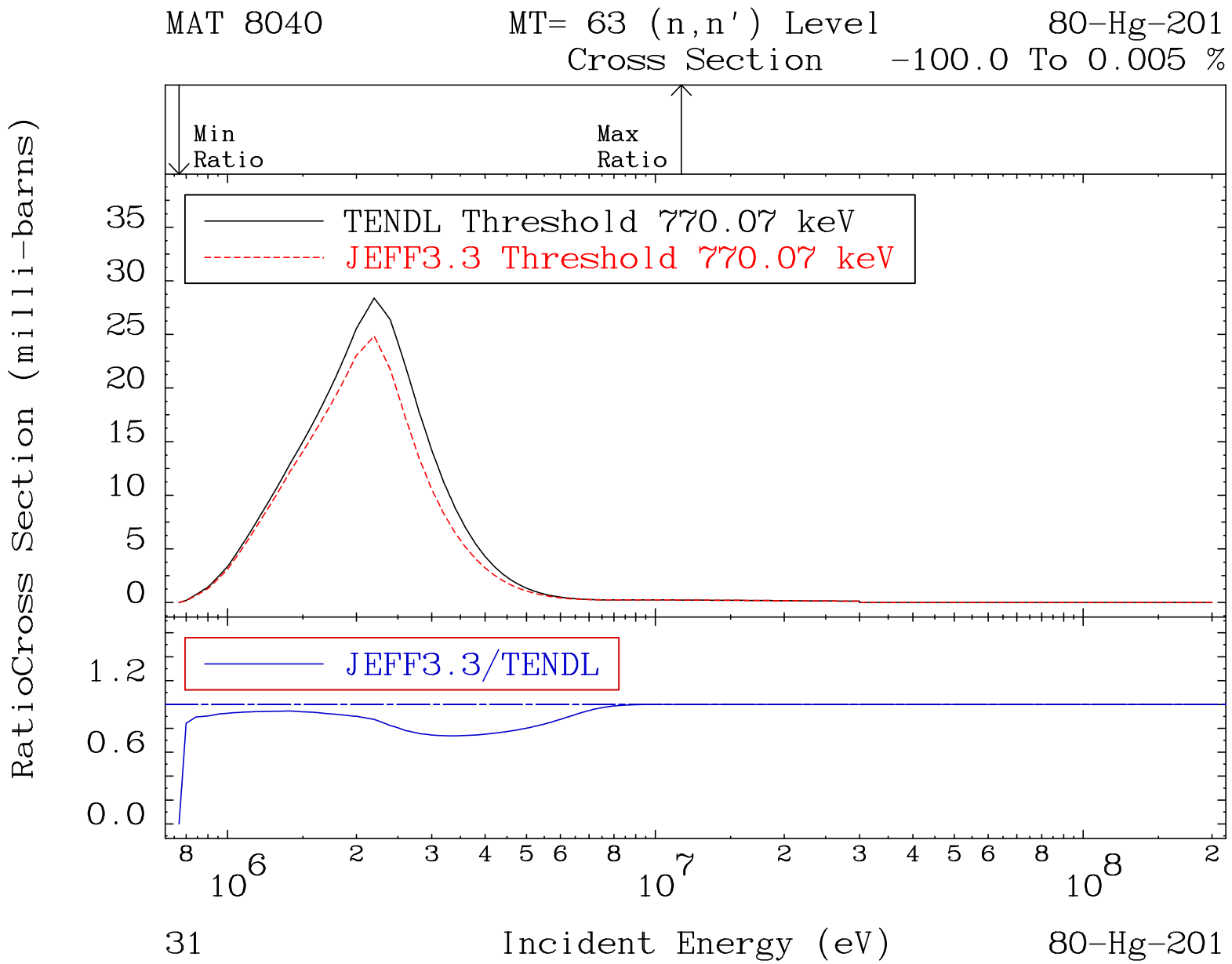

MAT 8040
MT= 58 (n,n') Level
80-Hg-201
Cross Section
-100.0 To 2.385 %
Max
Ratio
160
120
80
40
0
TENDL Threshold 545.53 keV
JEFF3.3 Threshold 545.53 keV
1.2
0.6
0.0
JEFF3.3/TENDL
RatioCross Section (milli-barns)
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
26
Incident Energy (eV)
80-Hg-201

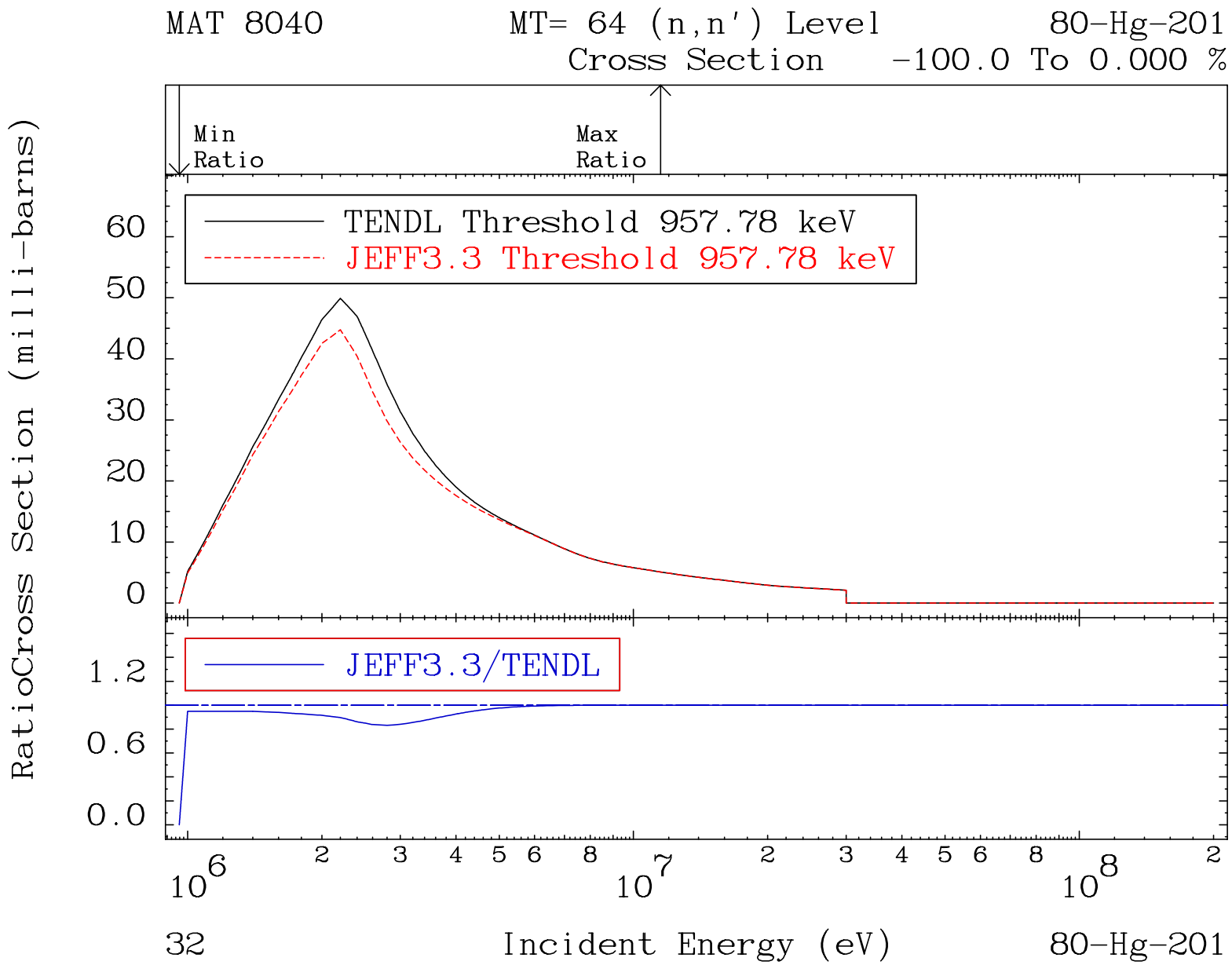

MAT 8040
MT= 59 (n,n') Level
80-Hg-201
Cross Section -100.0 To 44.51 %
Min Ratio
Max Ratio
TENDL Threshold 550.07 keV
JEFF3.3 Threshold 550.07 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
2.0
1.0
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
27
Incident Energy (eV)
80-Hg-201

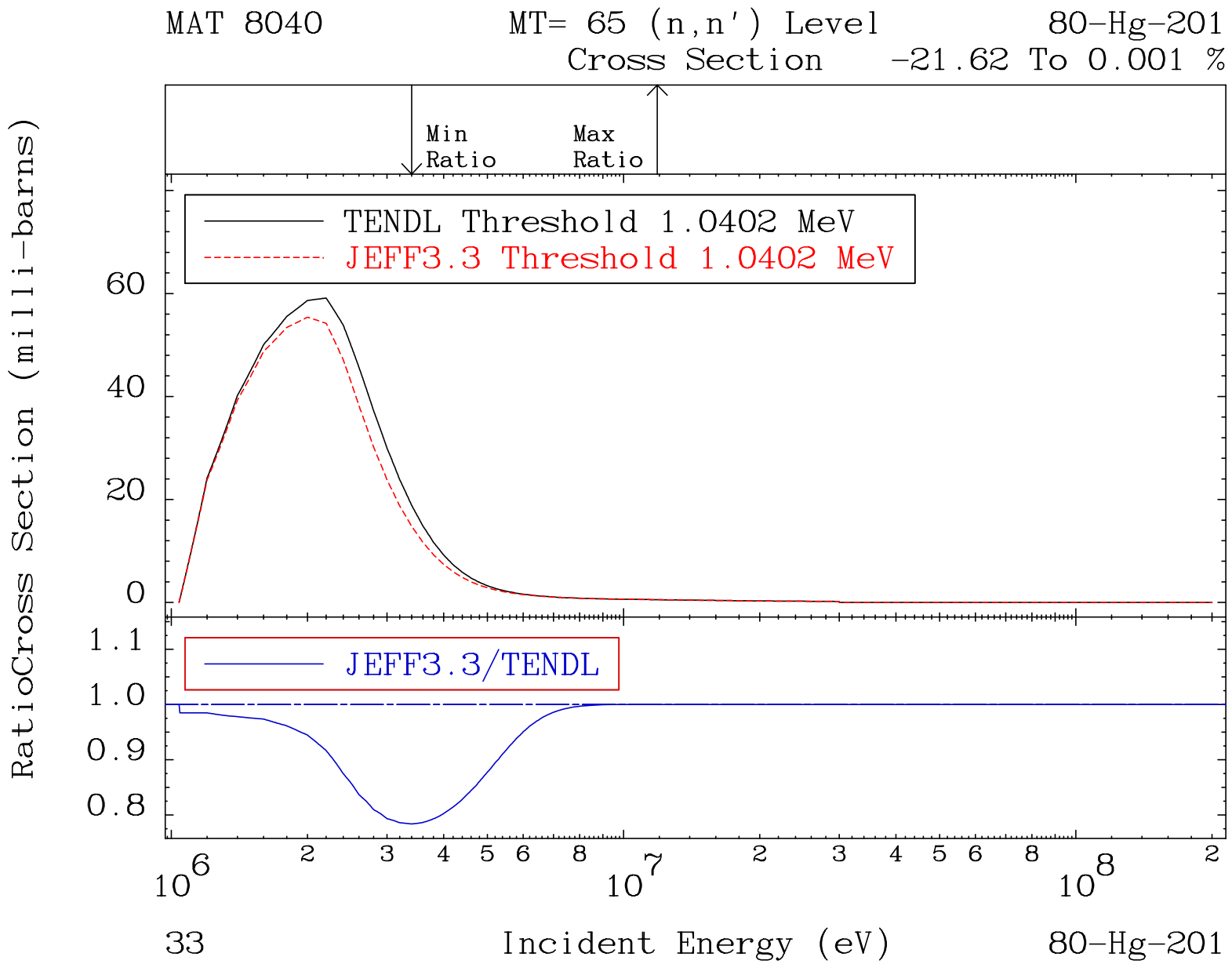

MAT 8040
MT= 60 (n,n') Level
80-Hg-201
Cross Section
-100.0 To 725.6 %
Min Ratio
Max Ratio
TENDL Threshold 555.78 keV
JEFF3.3 Threshold 555.78 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
28
80-Hg-201

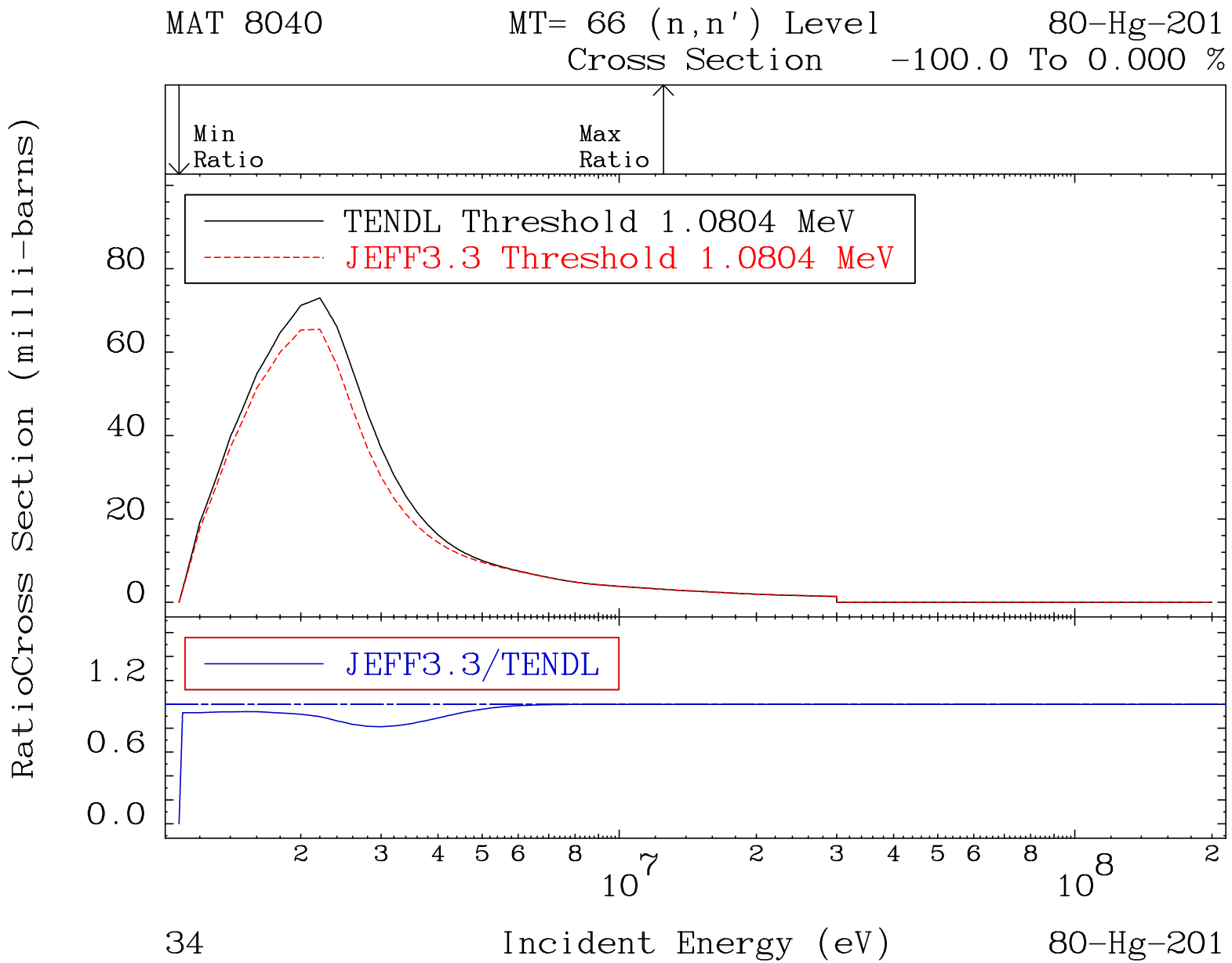

MAT 8040
MT= 61 (n,n') Level
80-Hg-201
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 648.54 keV
JEFF3.3 Threshold 648.54 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.2
0.6
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
29
Incident Energy (eV)
80-Hg-201

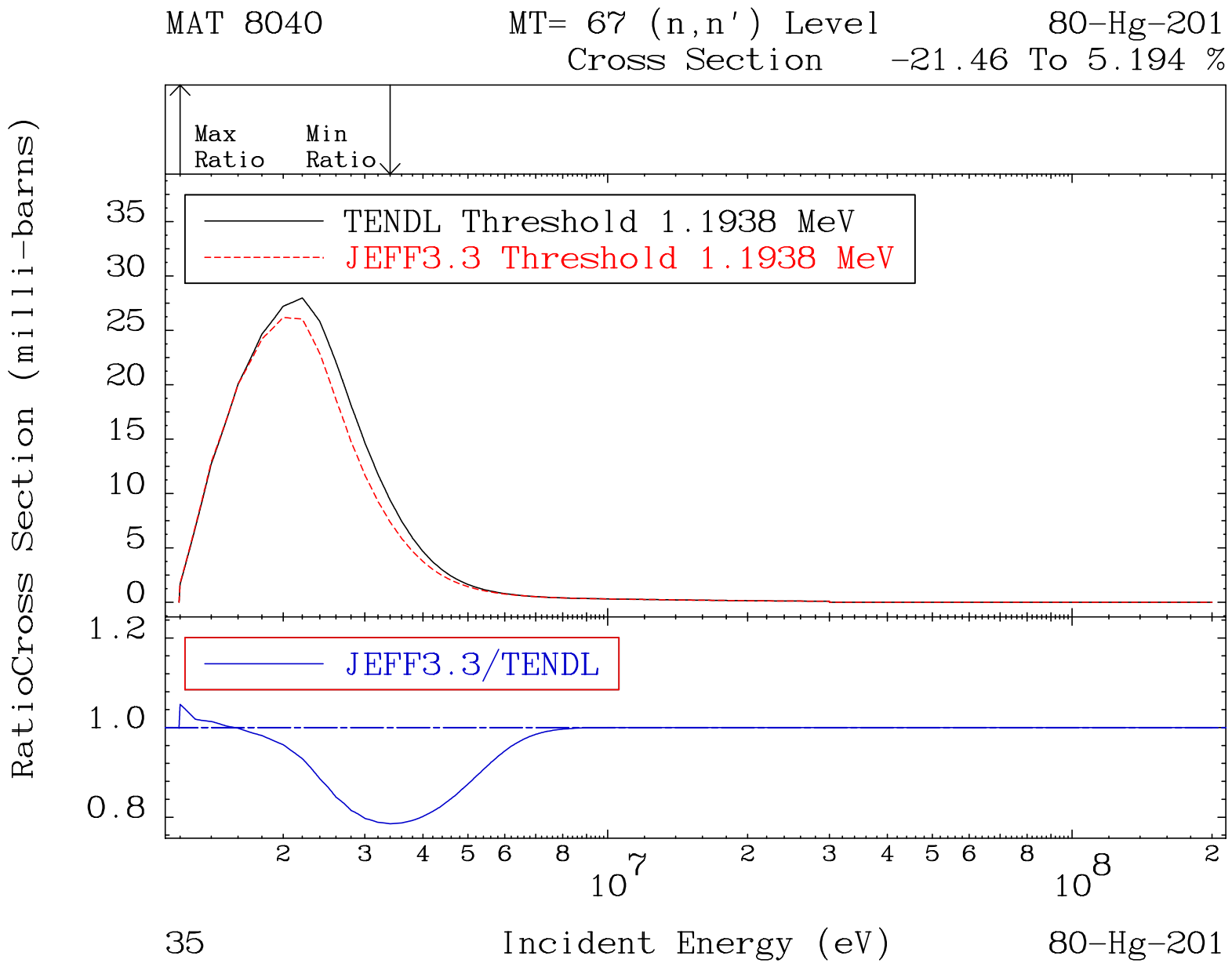

MAT 8040
MT= 62 (n,n') Level
80-Hg-201
Cross Section -100.0 To 1552. %
Min Ratio
Max Ratio
TENDL Threshold 735.98 keV
JEFF3.3 Threshold 735.98 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
30
80-Hg-201

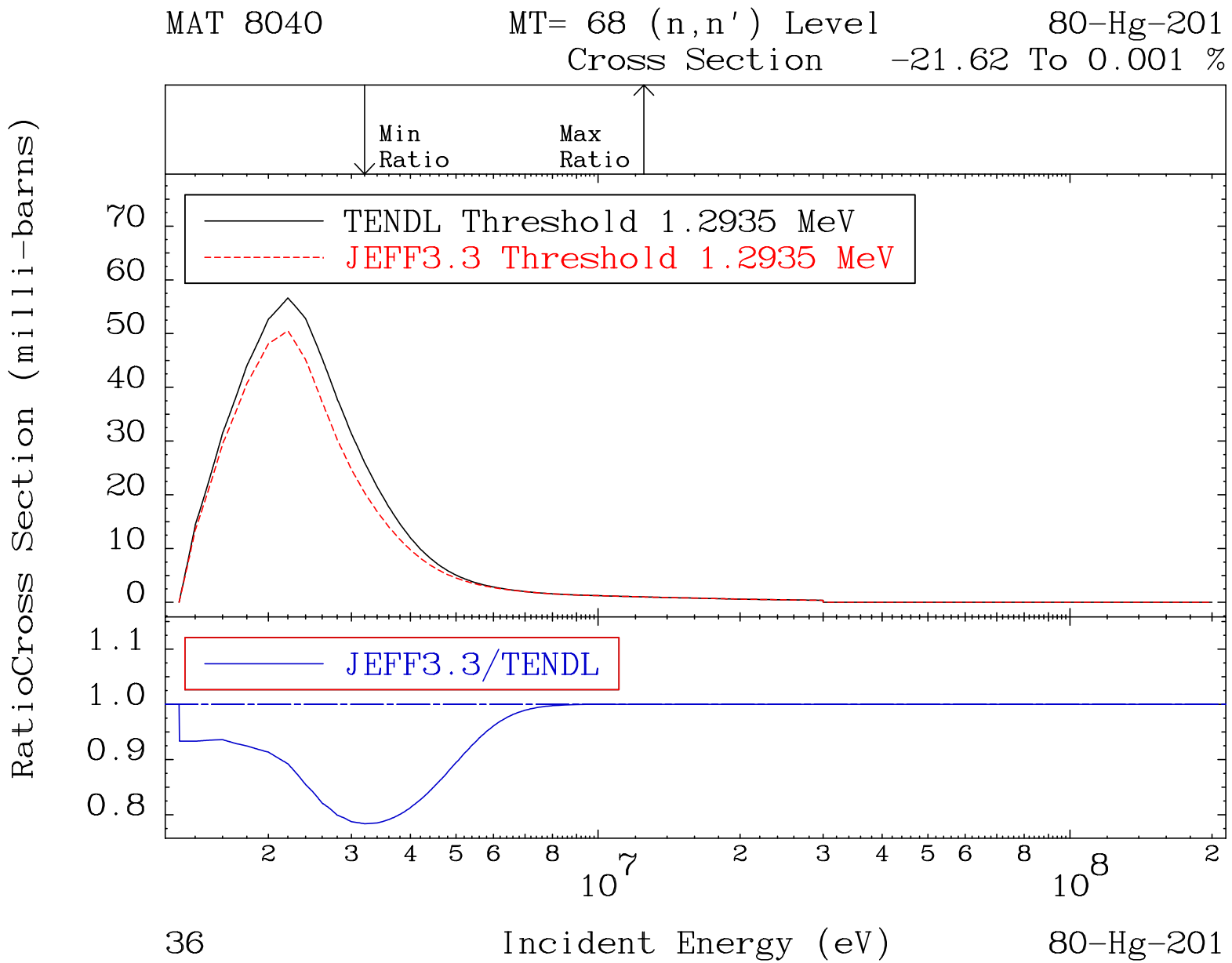

MAT 8040
MT= 63 (n,n') Level
80-Hg-201
Cross Section
-100.0 To 0.005 %
Min Ratio
Max Ratio
TENDL Threshold 770.07 keV
JEFF3.3 Threshold 770.07 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
1.2
0.6
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
31
Incident Energy (eV)
80-Hg-201

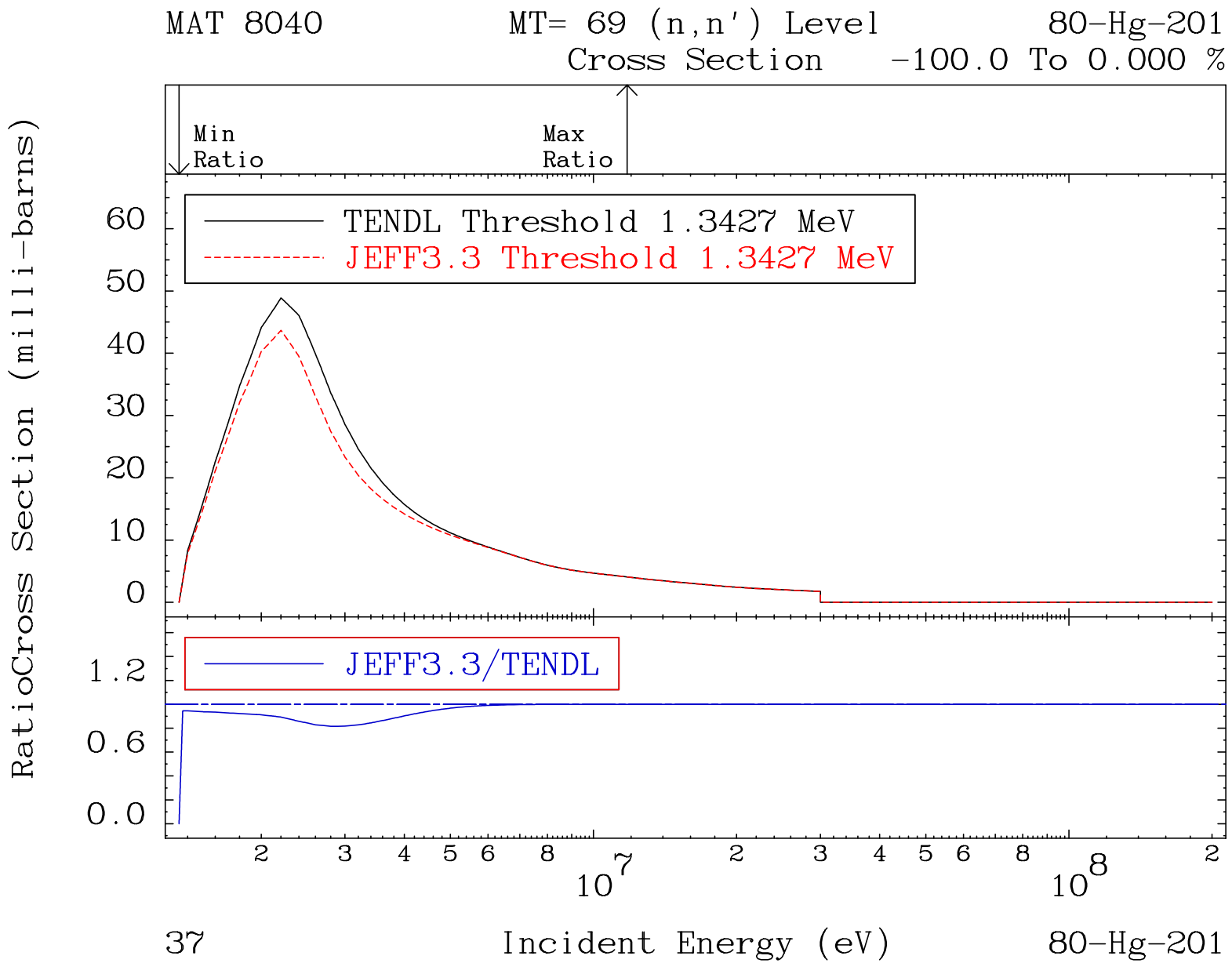

MAT 8040
MT= 64 (n,n') Level
80-Hg-201
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 957.78 keV
JEFF3.3 Threshold 957.78 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.6
0.0
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
32
Incident Energy (eV)
80-Hg-201

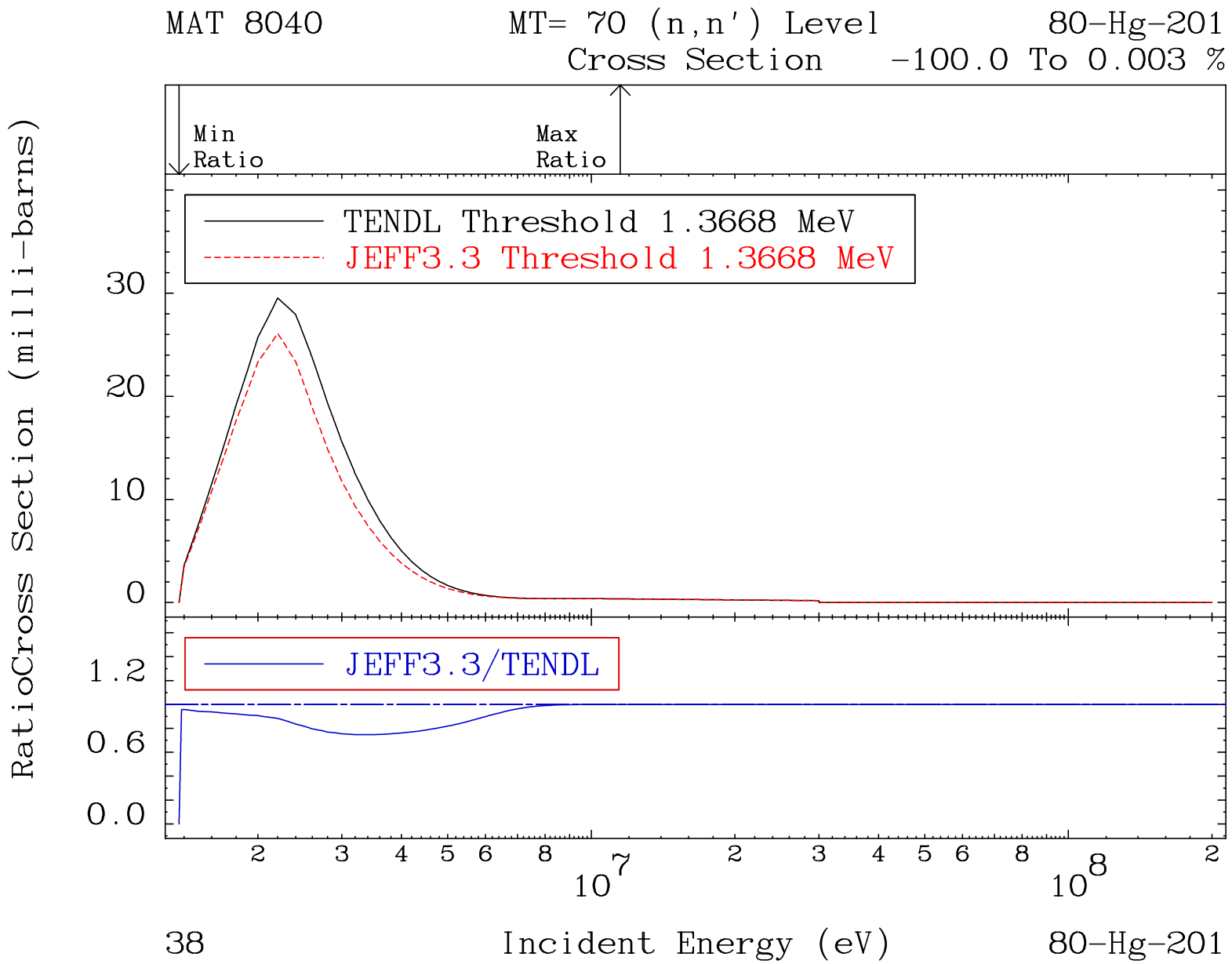

MAT 8040
MT= 65 (n,n') Level
80-Hg-201
Cross Section -21.62 To 0.001 %
Min Ratio
Max Ratio
TENDL Threshold 1.0402 MeV
JEFF3.3 Threshold 1.0402 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
40
20
0
1.1
1.0
0.9
0.8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
33
Incident Energy (eV)
80-Hg-201

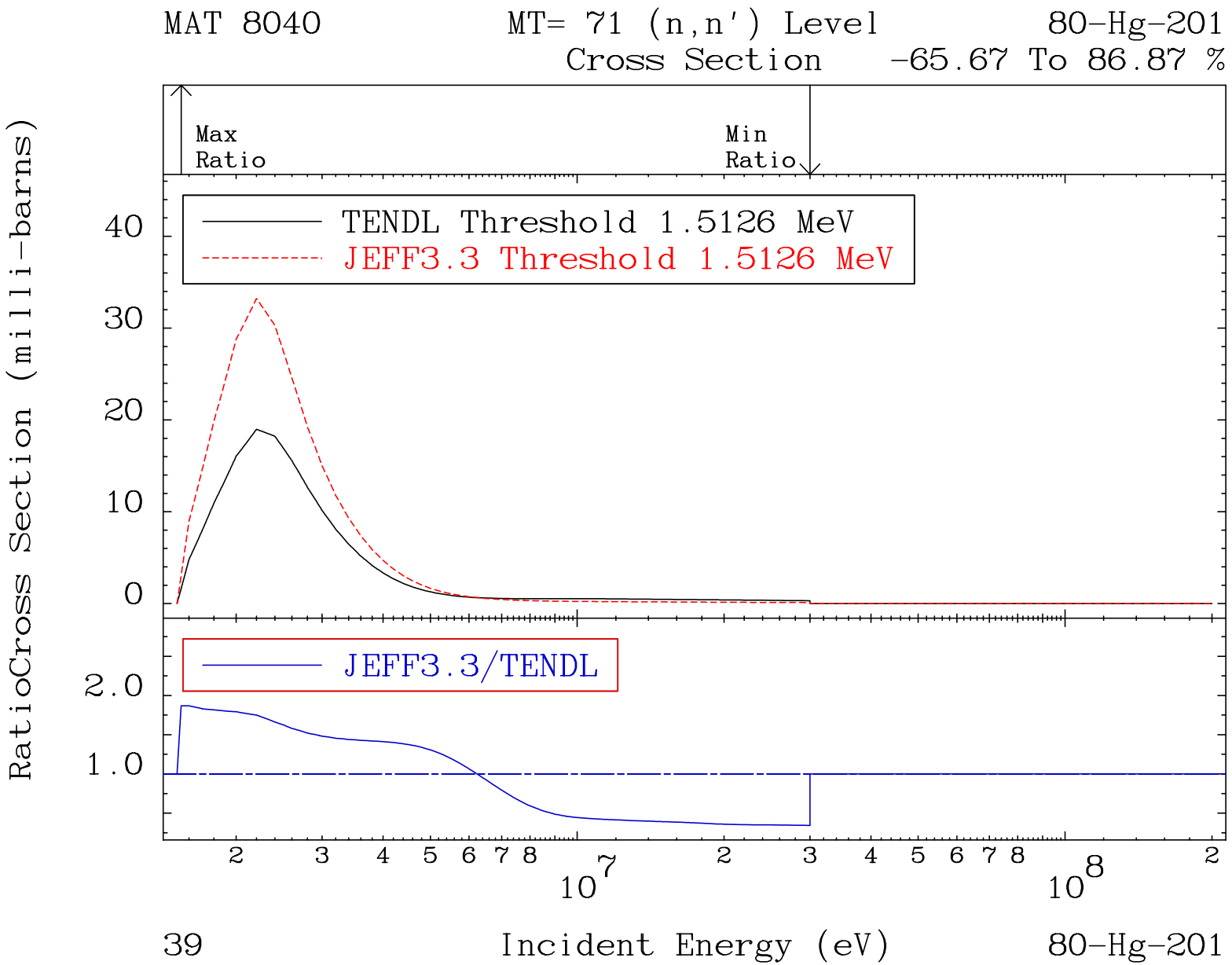

MAT 8040
MT= 66 (n,n') Level
80-Hg-201
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 1.0804 MeV
JEFF3.3 Threshold 1.0804 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
34
Incident Energy (eV)
80-Hg-201

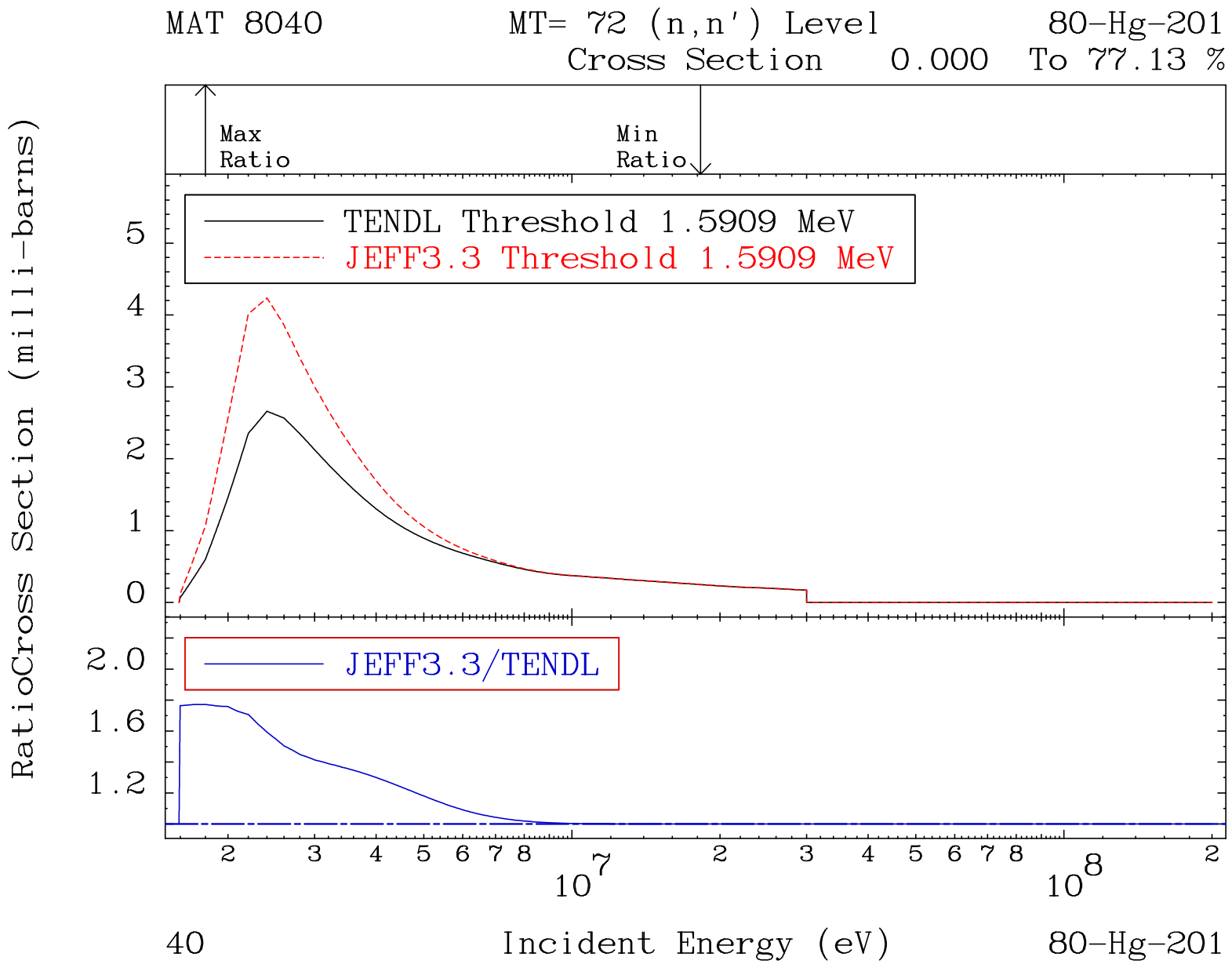

MAT 8040
MT= 67 (n,n') Level
80-Hg-201
Cross Section -21.46 To 5.194 %
Max Ratio
Min Ratio
TENDL Threshold 1.1938 MeV
JEFF3.3 Threshold 1.1938 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
1.2
1.0
0.8
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
35
Incident Energy (eV)
80-Hg-201

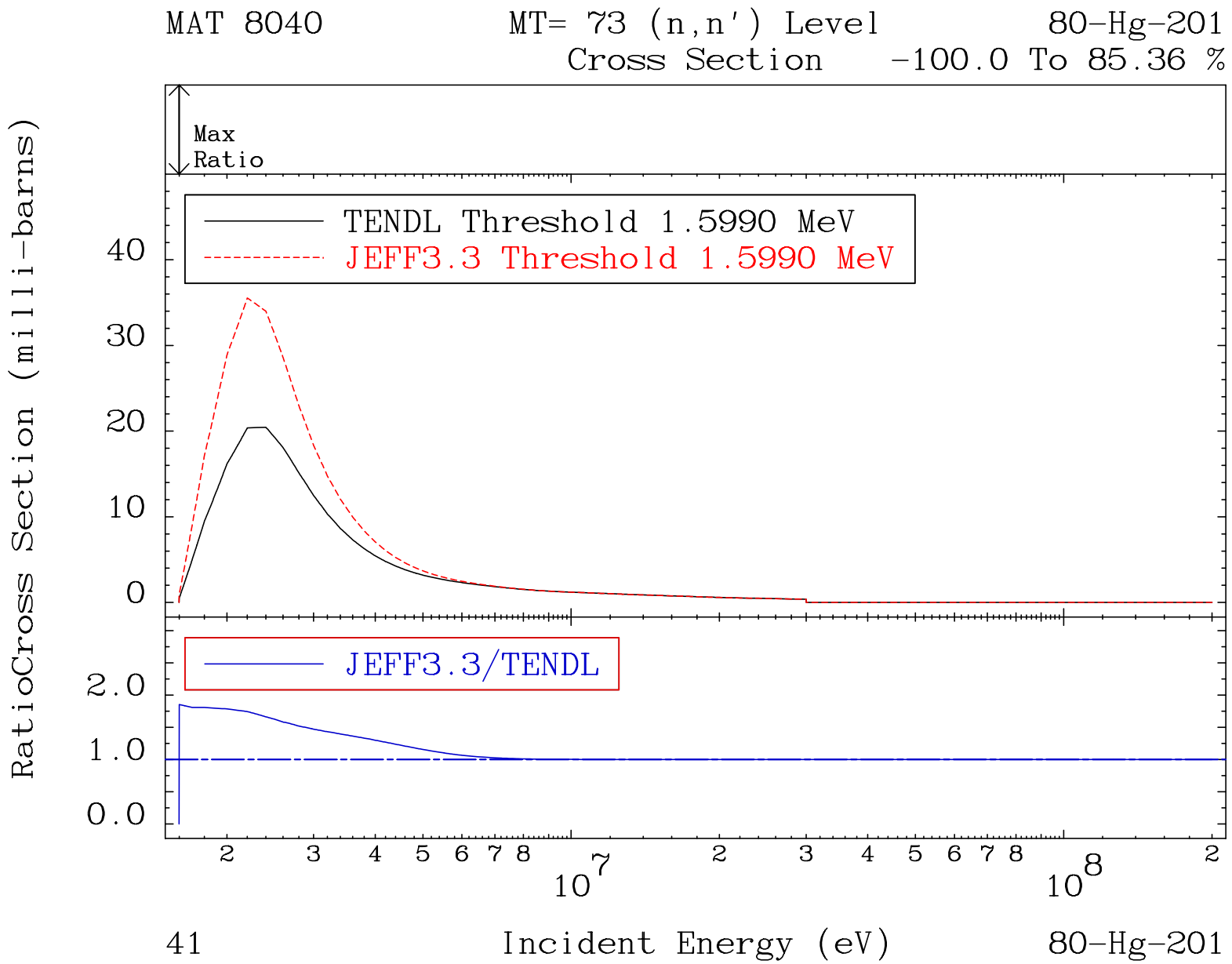

MAT 8040
MT= 68 (n,n') Level
80-Hg-201
Cross Section -21.62 To 0.001 %
Min Ratio
Max Ratio
TENDL Threshold 1.2935 MeV
JEFF3.3 Threshold 1.2935 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
1.1
1.0
0.9
0.8
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
36
Incident Energy (eV)
80-Hg-201

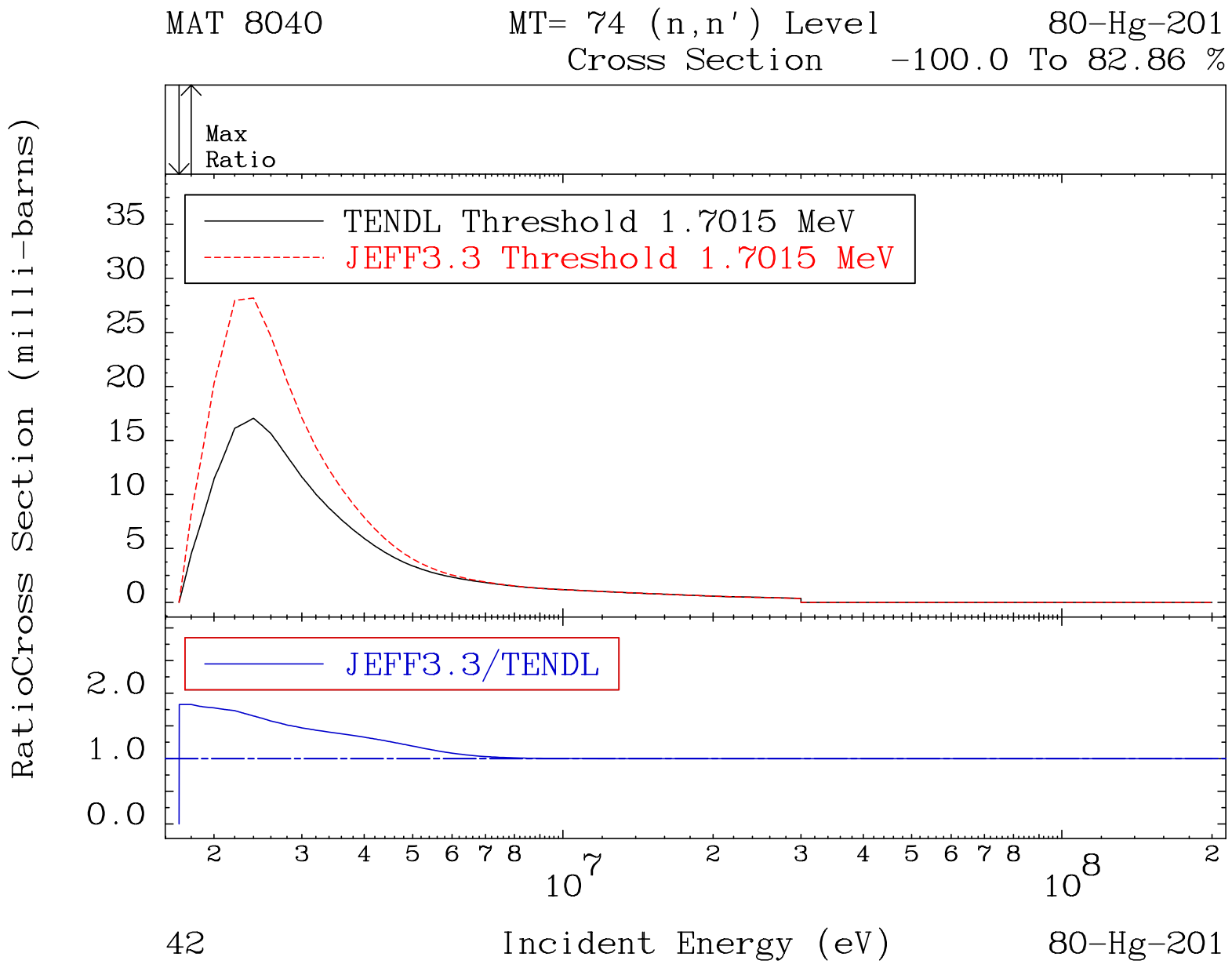

MAT 8040
MT= 69 (n,n') Level
80-Hg-201
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 1.3427 MeV
JEFF3.3 Threshold 1.3427 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.6
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
37
Incident Energy (eV)
80-Hg-201

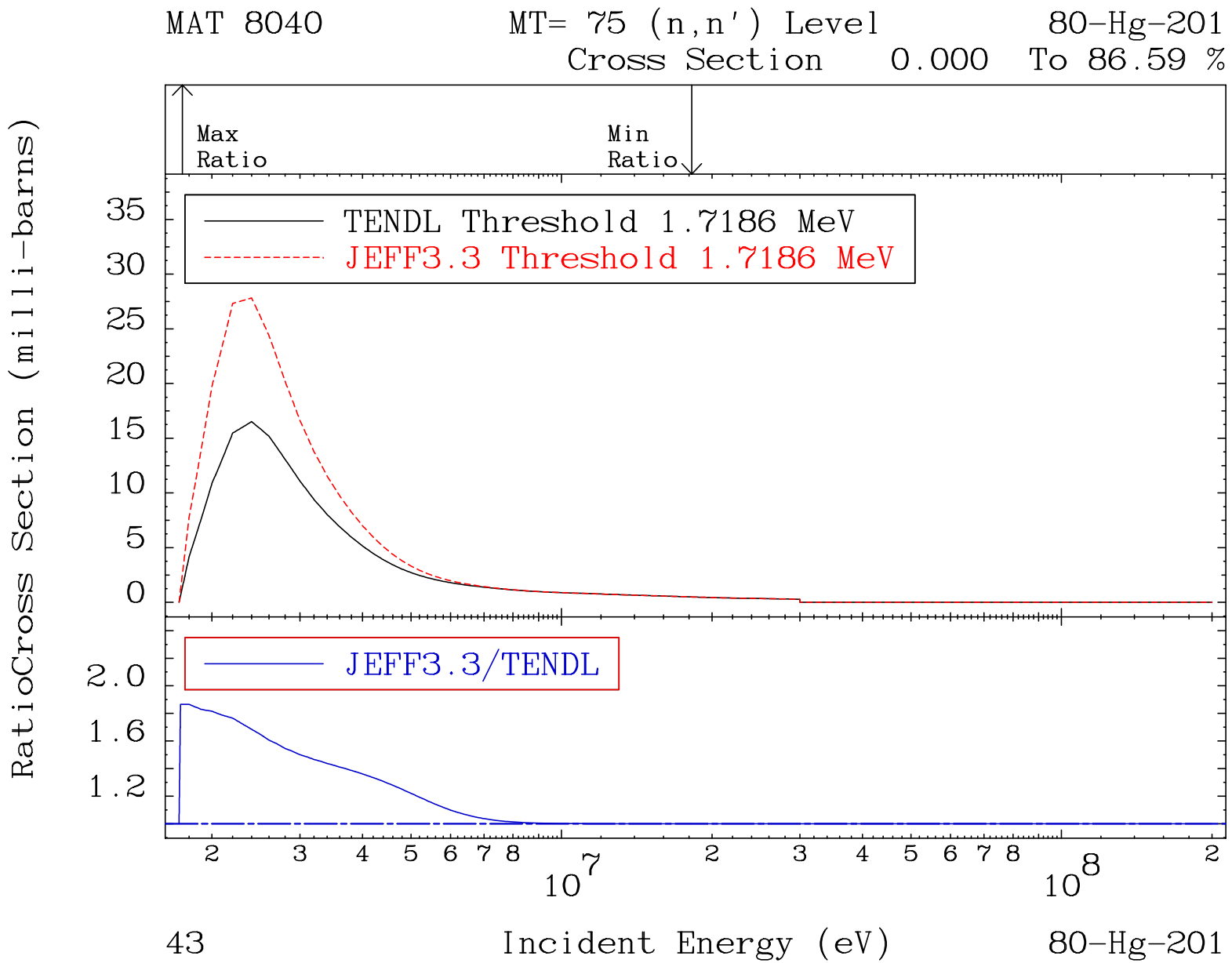

MAT 8040
MT= 70 (n,n') Level
80-Hg-201
Cross Section -100.0 To 0.003 %
Min Ratio
Max Ratio
TENDL Threshold 1.3668 MeV
JEFF3.3 Threshold 1.3668 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
20
10
0
1.2
0.6
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
38
Incident Energy (eV)
80-Hg-201

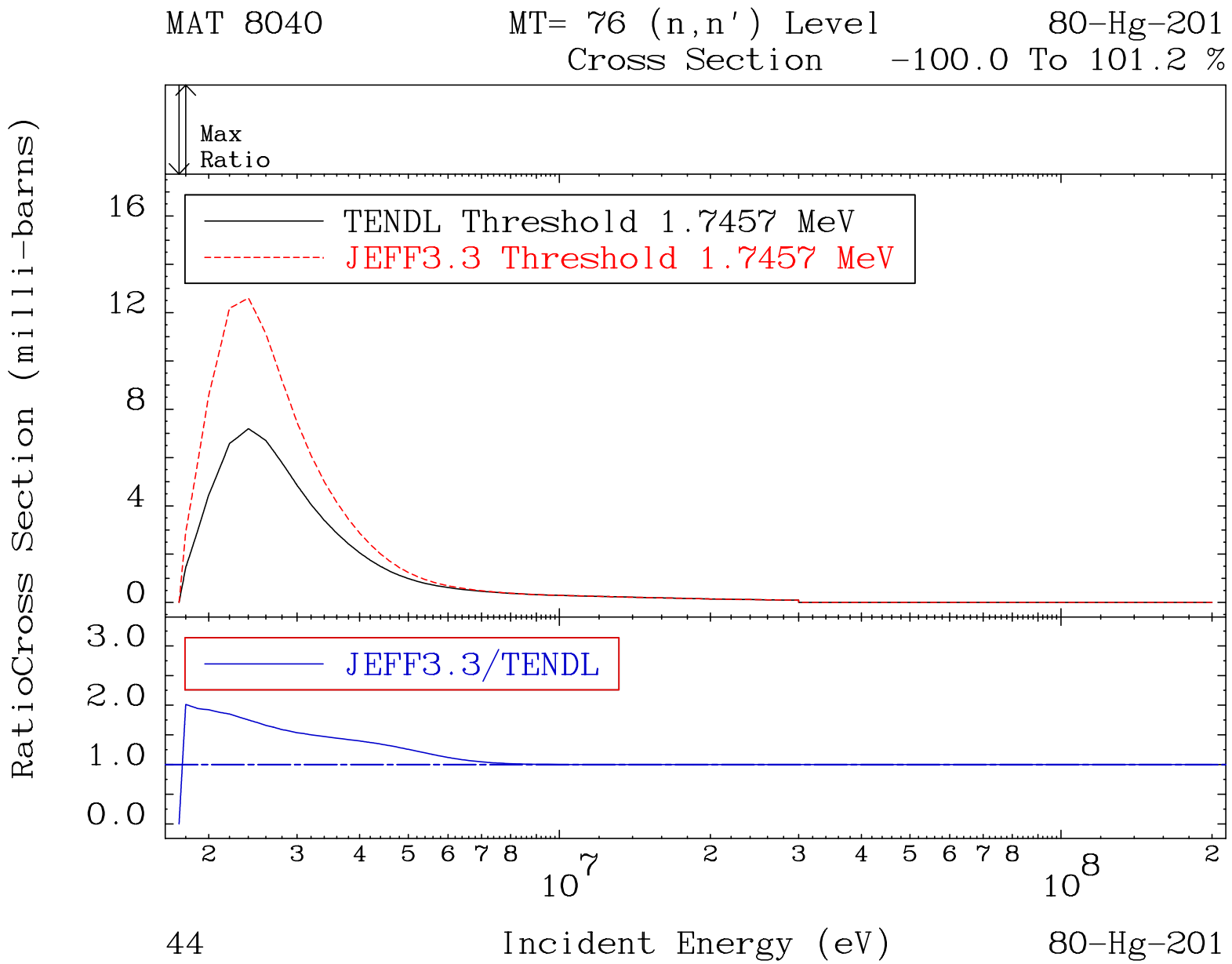

MAT 8040
MT= 71 (n,n') Level
80-Hg-201
Cross Section -65.67 To 86.87 %
Max Ratio
Min Ratio
TENDL Threshold 1.5126 MeV
JEFF3.3 Threshold 1.5126 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
39
Incident Energy (eV)
80-Hg-201

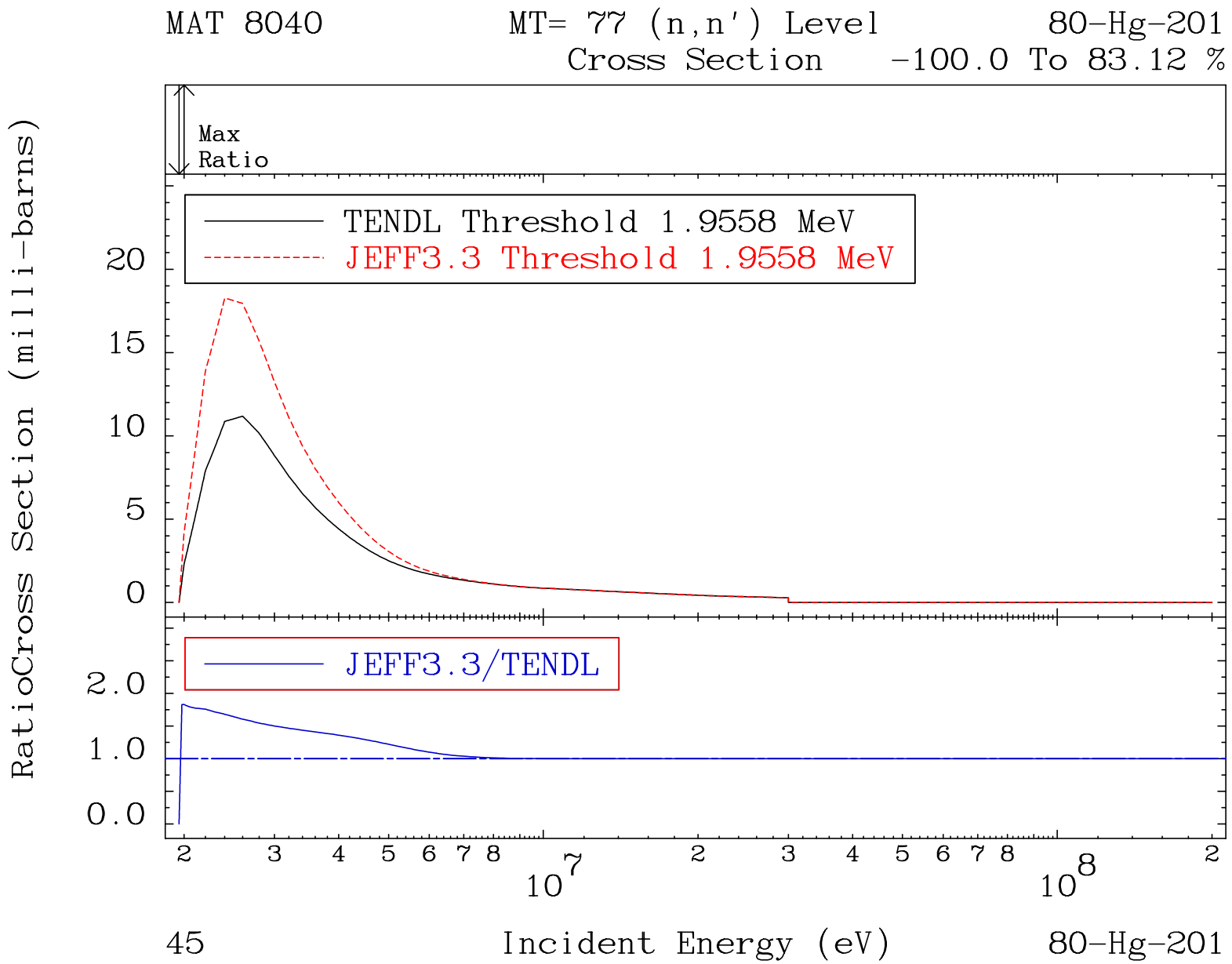

MAT 8040
MT= 72 (n,n') Level
80-Hg-201
Cross Section 0.000 To 77.13 %
Max Ratio
Min Ratio
TENDL Threshold 1.5909 MeV
JEFF3.3 Threshold 1.5909 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
40
80-Hg-201

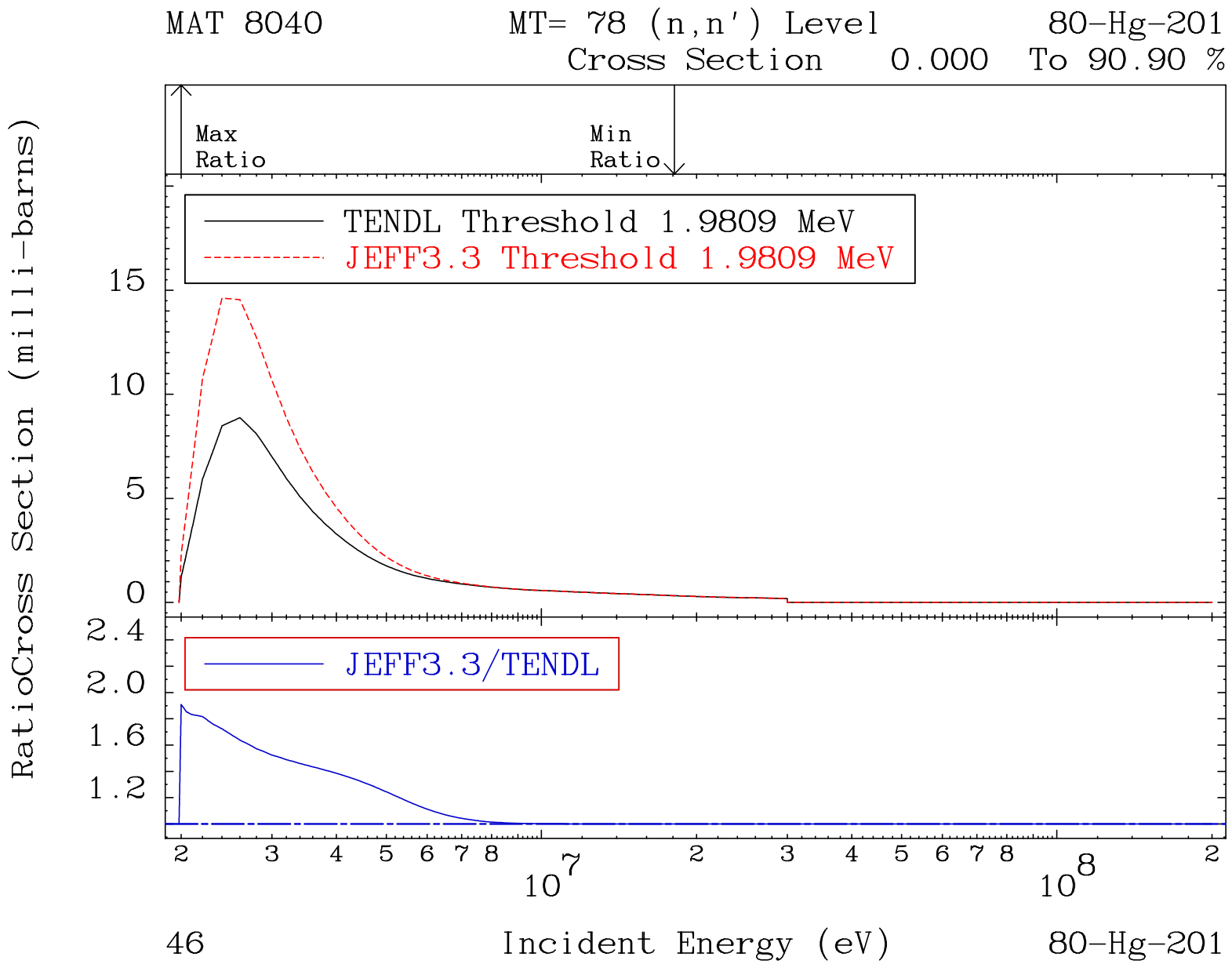

MAT 8040
MT= 73 (n,n') Level
80-Hg-201
Cross Section -100.0 To 85.36 %
Max
Ratio
TENDL Threshold 1.5990 MeV
JEFF3.3 Threshold 1.5990 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
41
Incident Energy (eV)
80-Hg-201

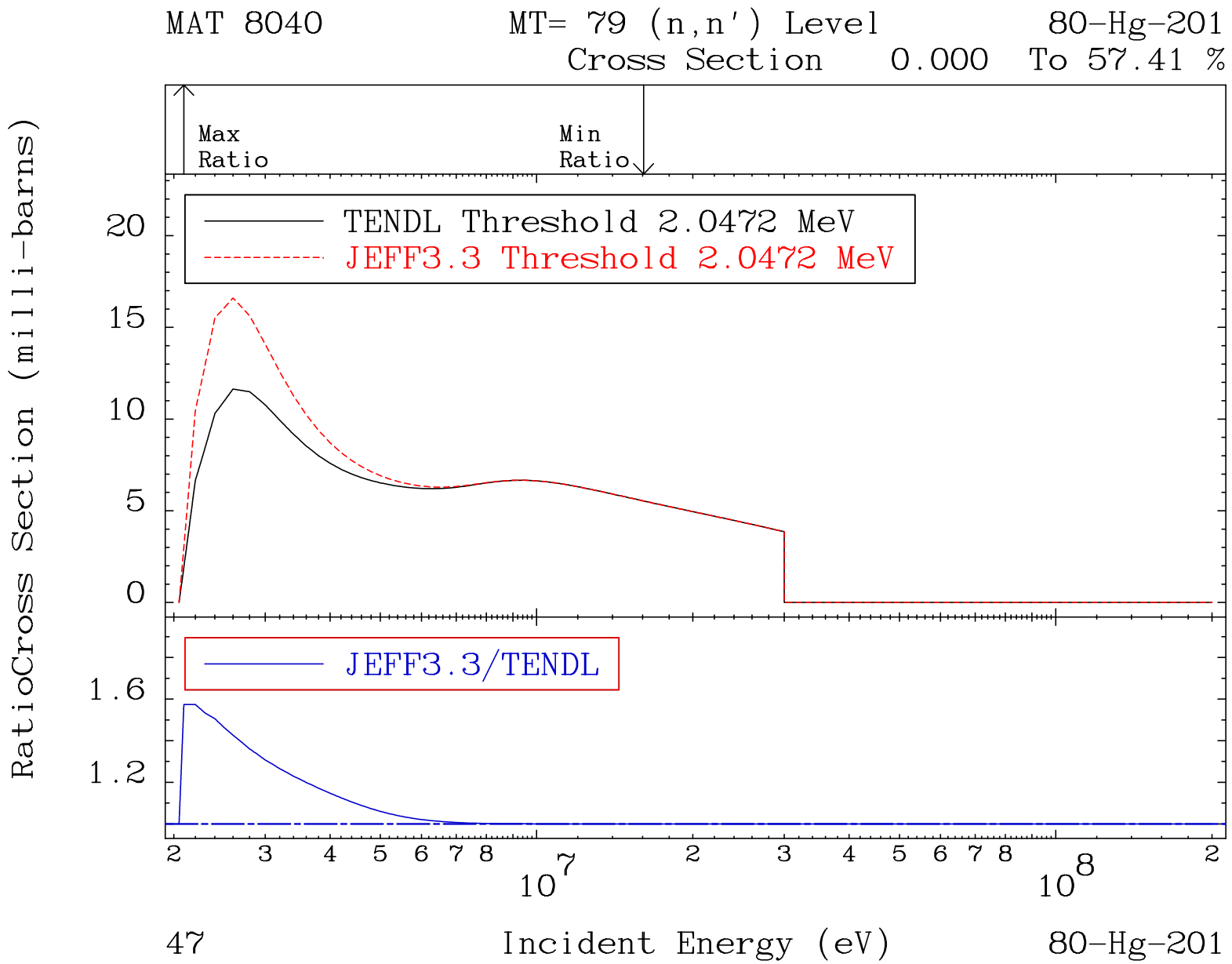

MAT 8040
MT= 74 (n,n') Level
80-Hg-201
Cross Section -100.0 To 82.86 %
Max
Ratio
TENDL Threshold 1.7015 MeV
JEFF3.3 Threshold 1.7015 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
42
Incident Energy (eV)
80-Hg-201

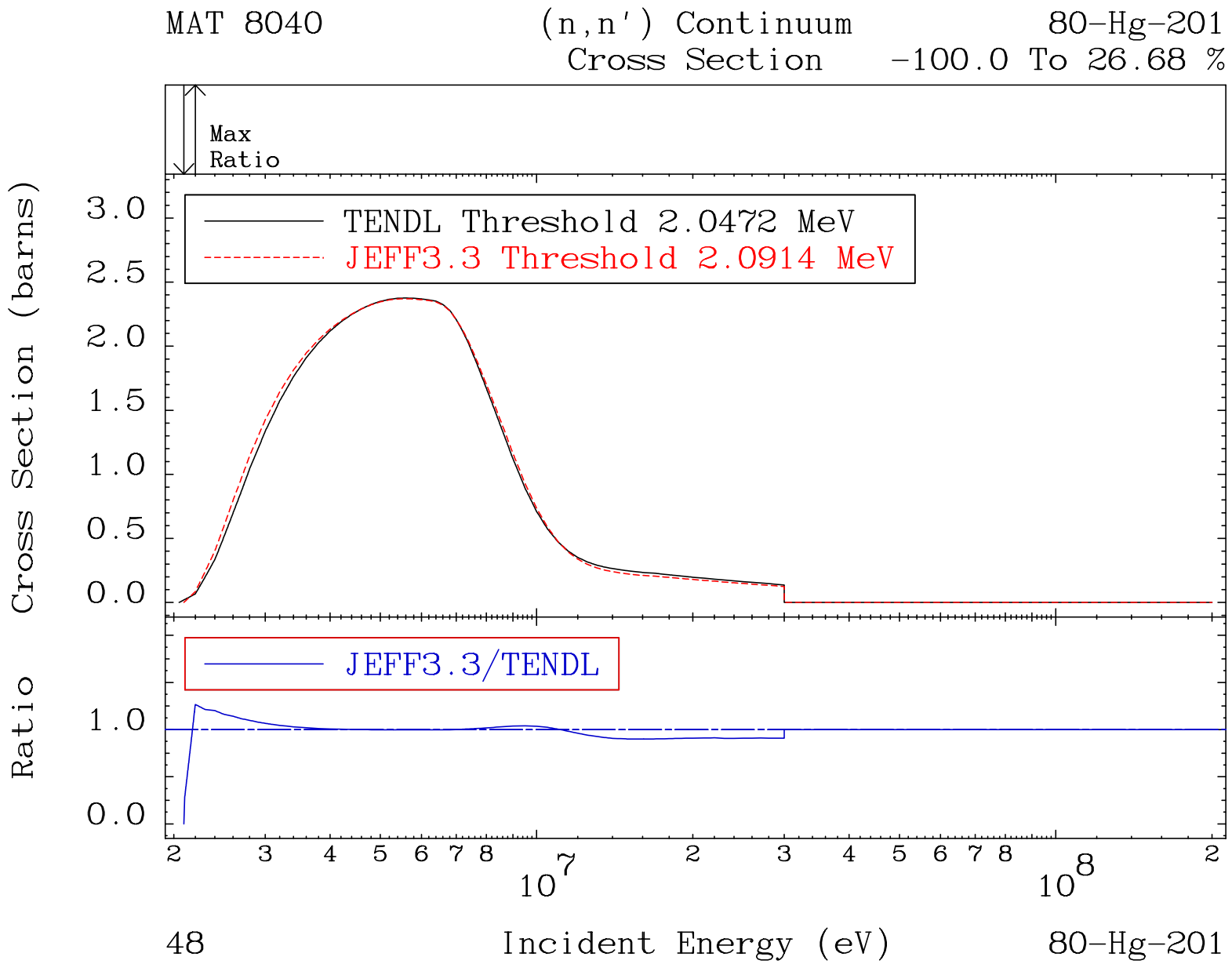

MAT 8040
MT= 75 (n,n') Level
80-Hg-201
Cross Section 0.000 To 86.59 %
Max Ratio
Min Ratio
TENDL Threshold 1.7186 MeV
JEFF3.3 Threshold 1.7186 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
2.0
1.6
1.2
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
43
Incident Energy (eV)
80-Hg-201

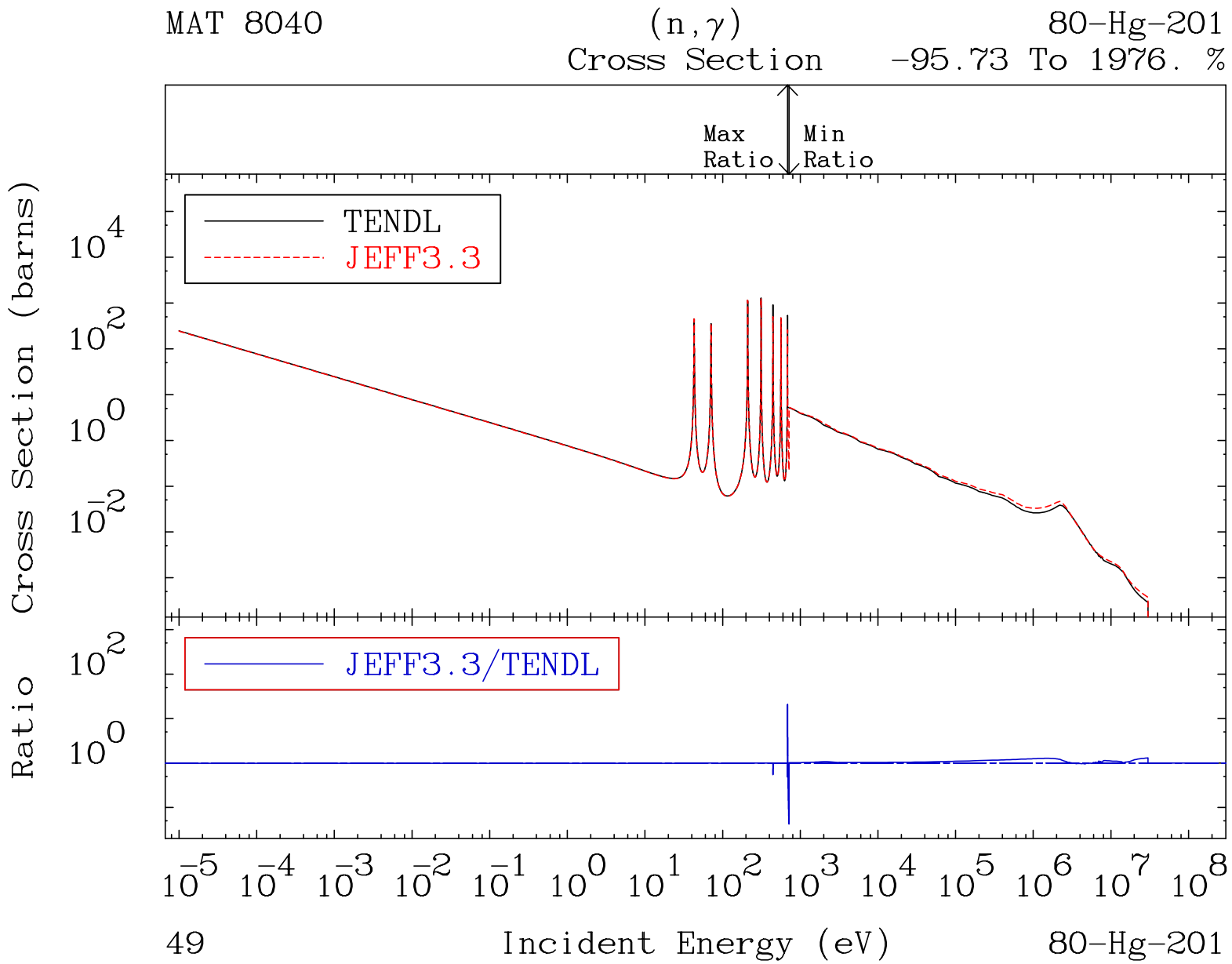

MAT 8040
MT= 76 (n,n') Level
80-Hg-201
Cross Section -100.0 To 101.2 %
Max
Ratio
TENDL Threshold 1.7457 MeV
JEFF3.3 Threshold 1.7457 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
3.0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
44
Incident Energy (eV)
80-Hg-201

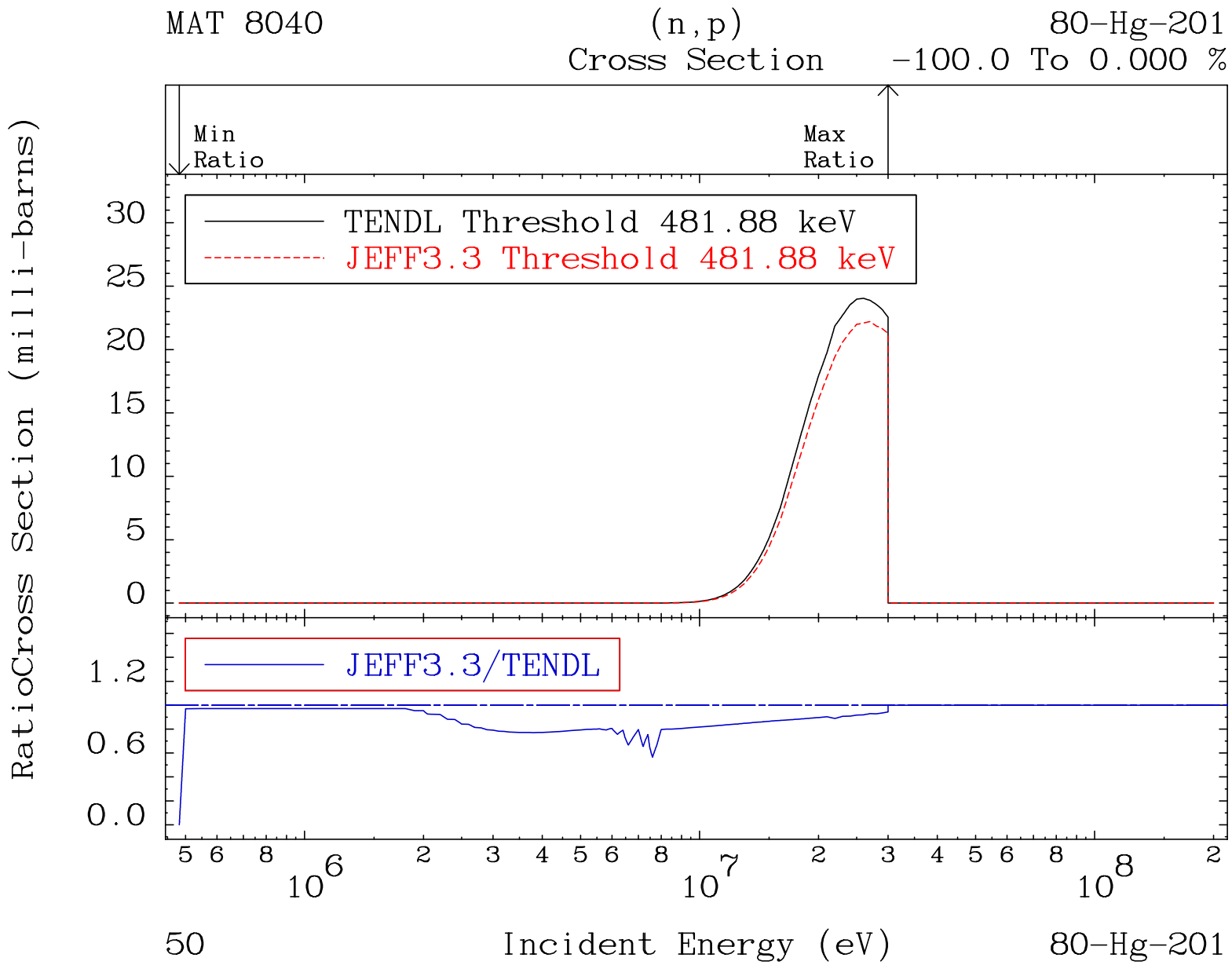

MAT 8040
MT= 77 (n,n') Level
80-Hg-201
Cross Section -100.0 To 83.12 %
Max
Ratio
TENDL Threshold 1.9558 MeV
JEFF3.3 Threshold 1.9558 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
45
Incident Energy (eV)
80-Hg-201

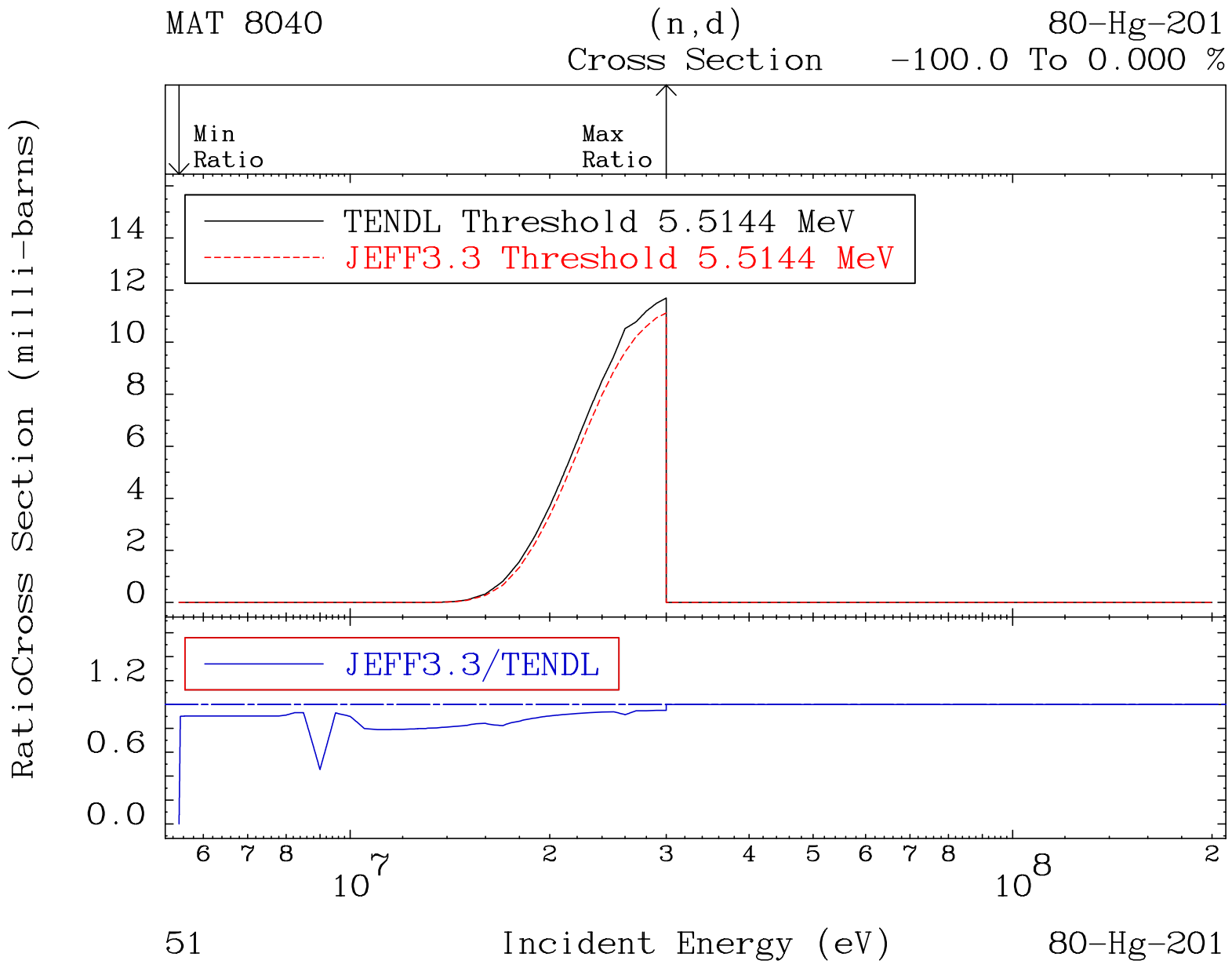

MAT 8040
MT= 78 (n,n') Level
80-Hg-201
Cross Section 0.000 To 90.90 %
Max Ratio
Min Ratio
TENDL Threshold 1.9809 MeV
JEFF3.3 Threshold 1.9809 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
15
10
5
0
2.4
2.0
1.6
1.2
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
46
Incident Energy (eV)
80-Hg-201

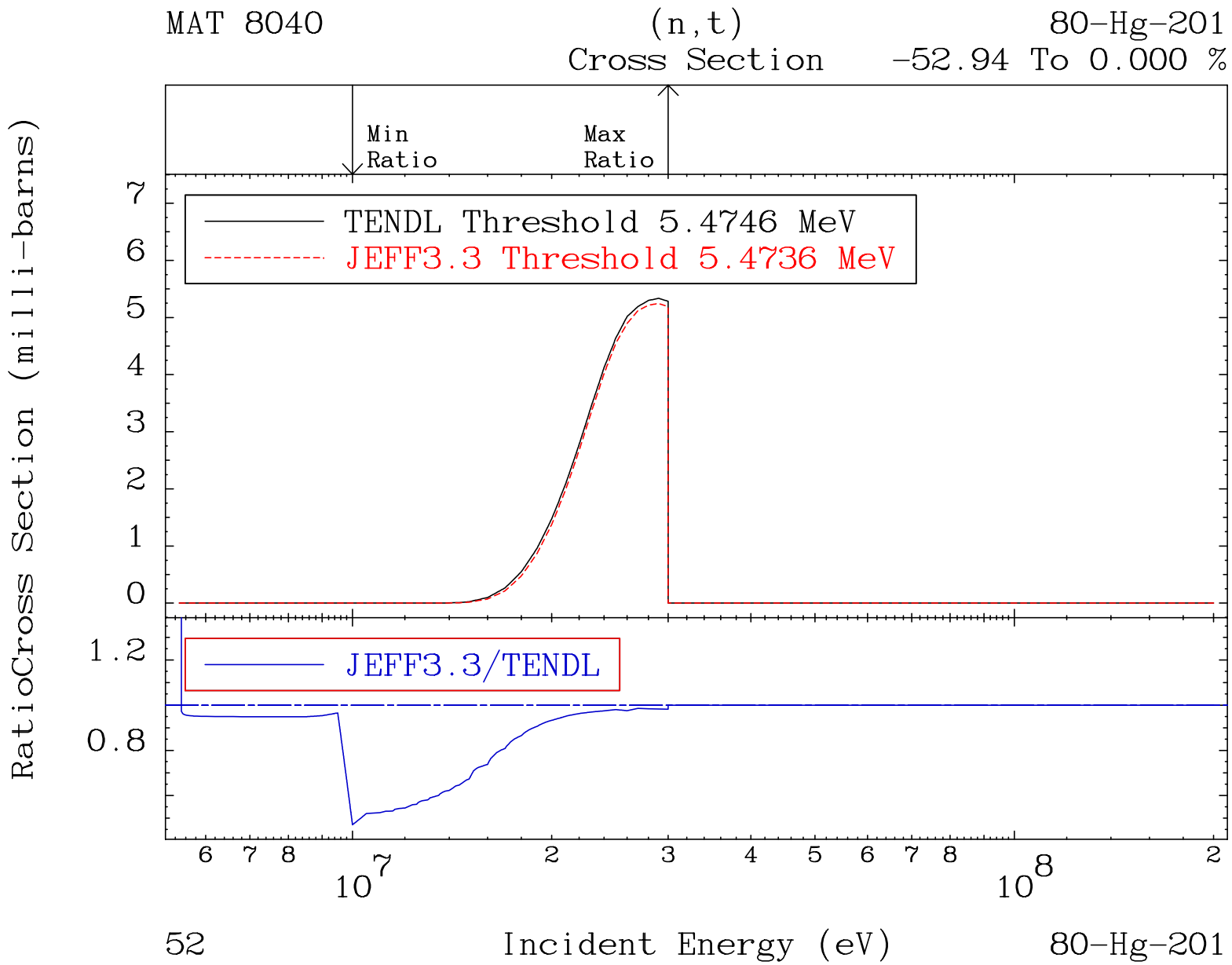

MAT 8040
MT= 79 (n,n') Level
80-Hg-201
Cross Section 0.000 To 57.41 %
Max Ratio
Min Ratio
TENDL Threshold 2.0472 MeV
JEFF3.3 Threshold 2.0472 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
1.6
1.2
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
47
Incident Energy (eV)
80-Hg-201

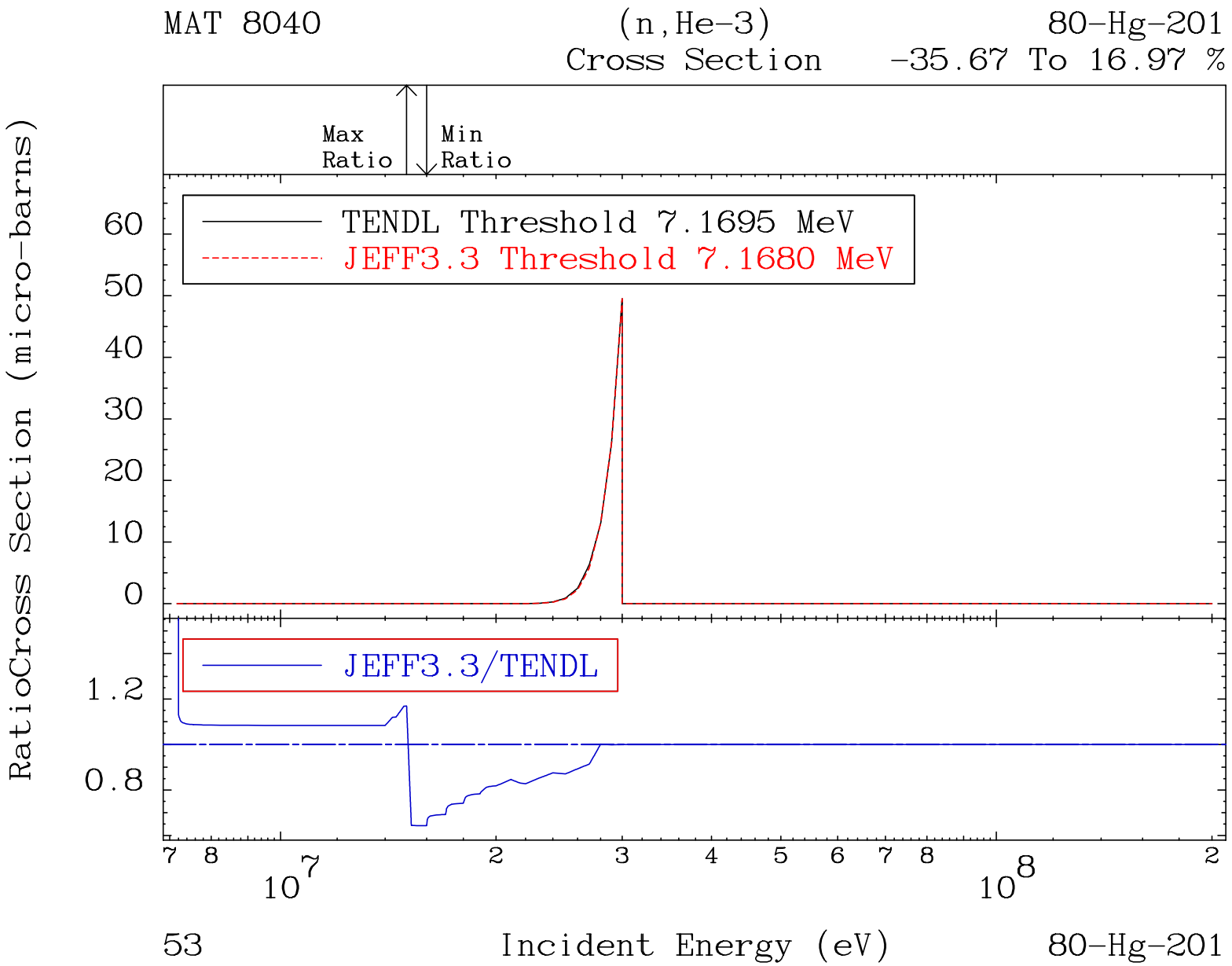

MAT 8040
(n,n') Continuum
Cross Section
80-Hg-201
-100.0 To 26.68 %
Max
Ratio
TENDL Threshold 2.0472 MeV
JEFF3.3 Threshold 2.0914 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
48
Incident Energy (eV)
80-Hg-201

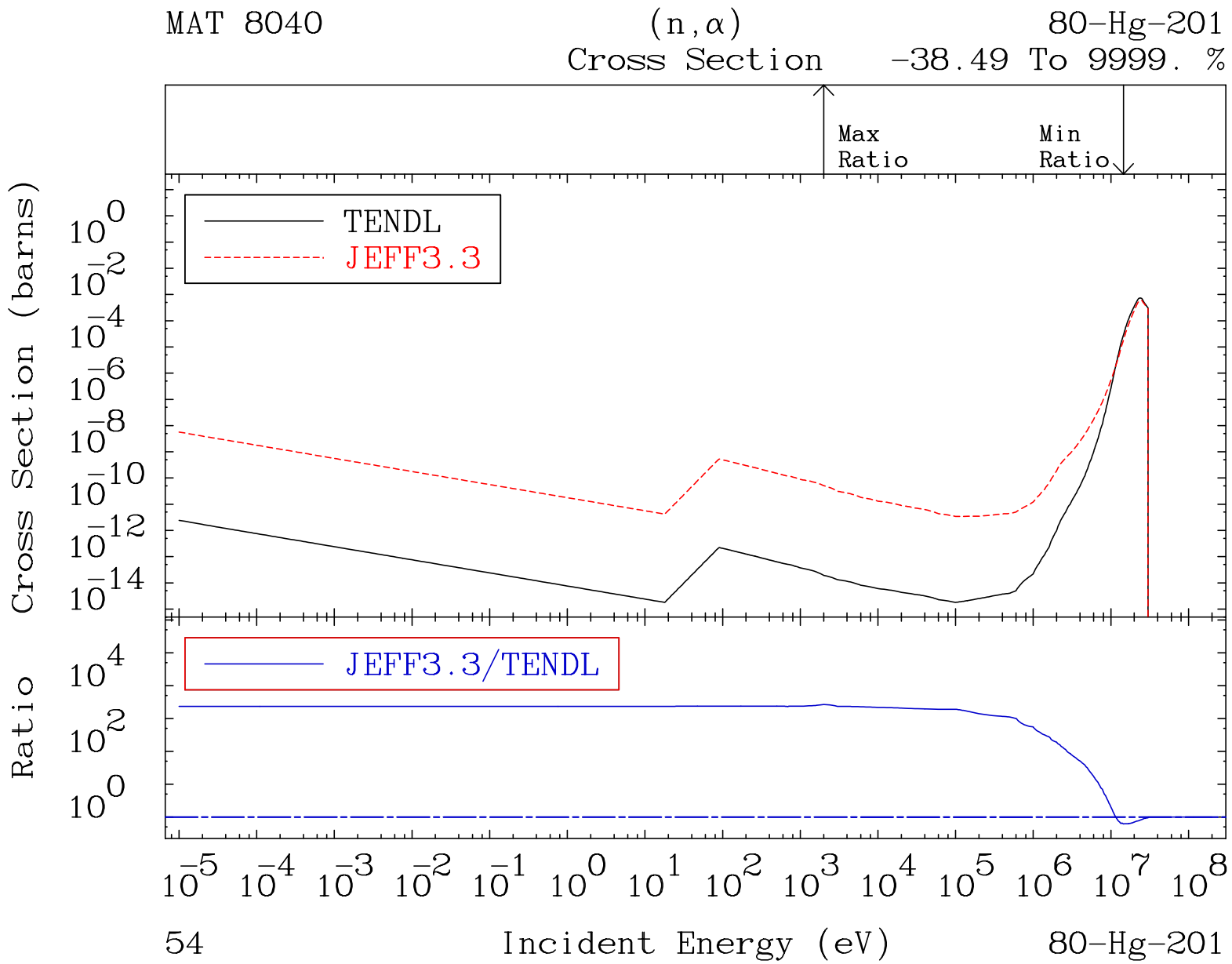

MAT 8040
(n,γ)
Cross Section
80-Hg-201
-95.73 To 1976. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
49
80-Hg-201

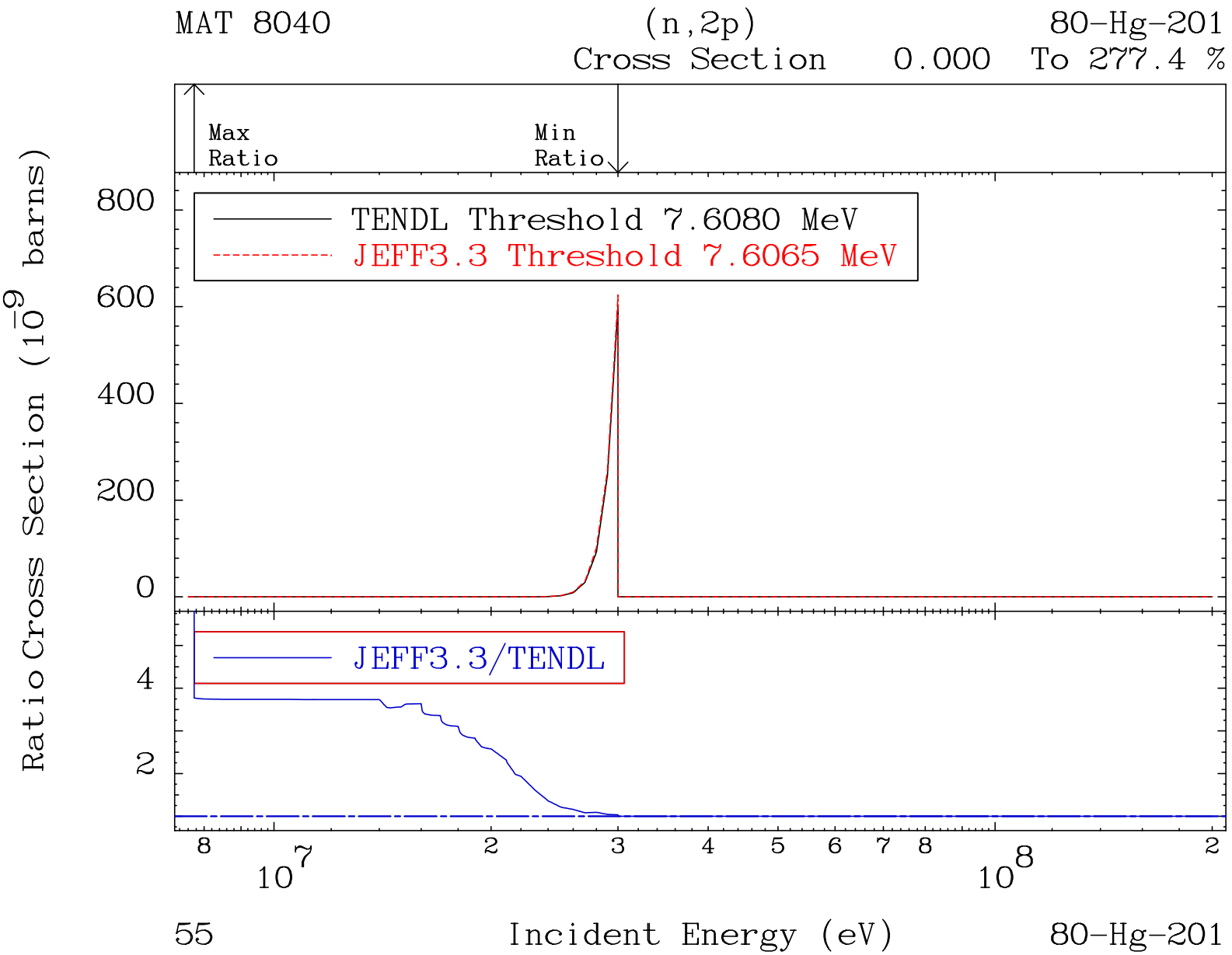

MAT 8040
(n,p)
Cross Section
80-Hg-201
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 481.88 keV
JEFF3.3 Threshold 481.88 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
1.2
0.6
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
50
Incident Energy (eV)
80-Hg-201

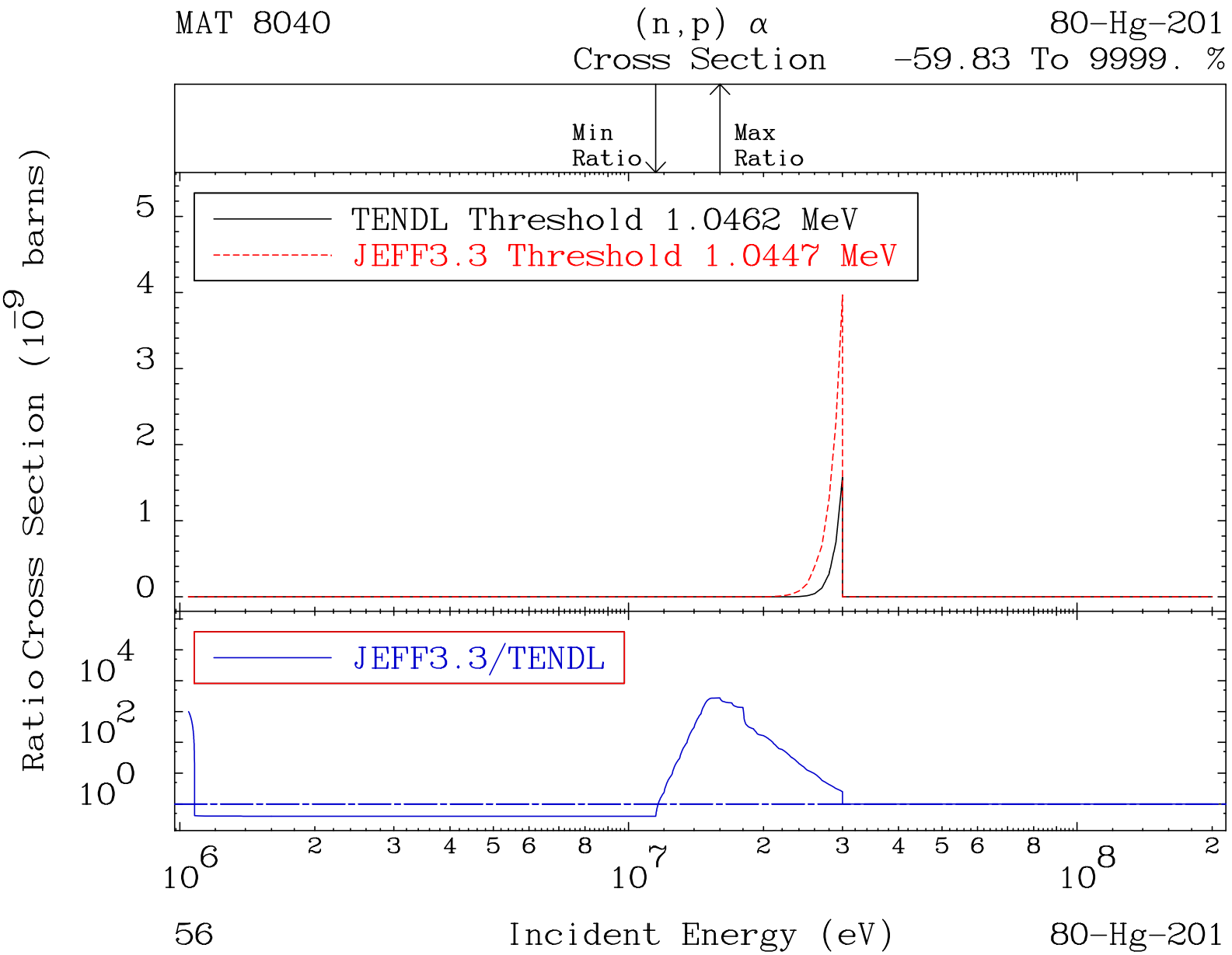

MAT 8040
(n,d)
Cross Section
80-Hg-201
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 5.5144 MeV
JEFF3.3 Threshold 5.5144 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
14
12
10
8
6
4
2
0
1.2
0.6
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
51
Incident Energy (eV)
80-Hg-201

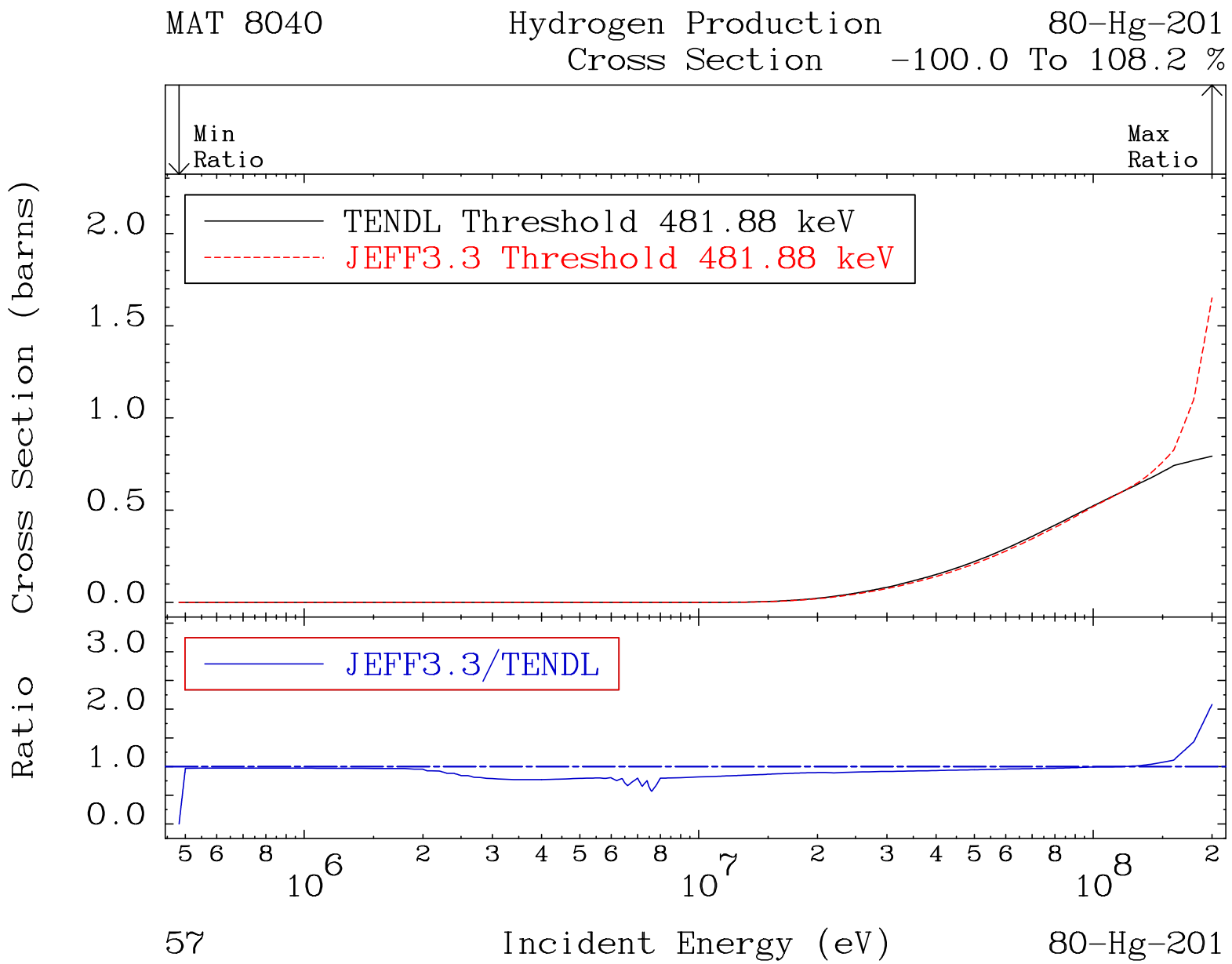

MAT 8040
(n,t)
Cross Section
80-Hg-201
-52.94 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 5.4746 MeV
JEFF3.3 Threshold 5.4736 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
52
80-Hg-201

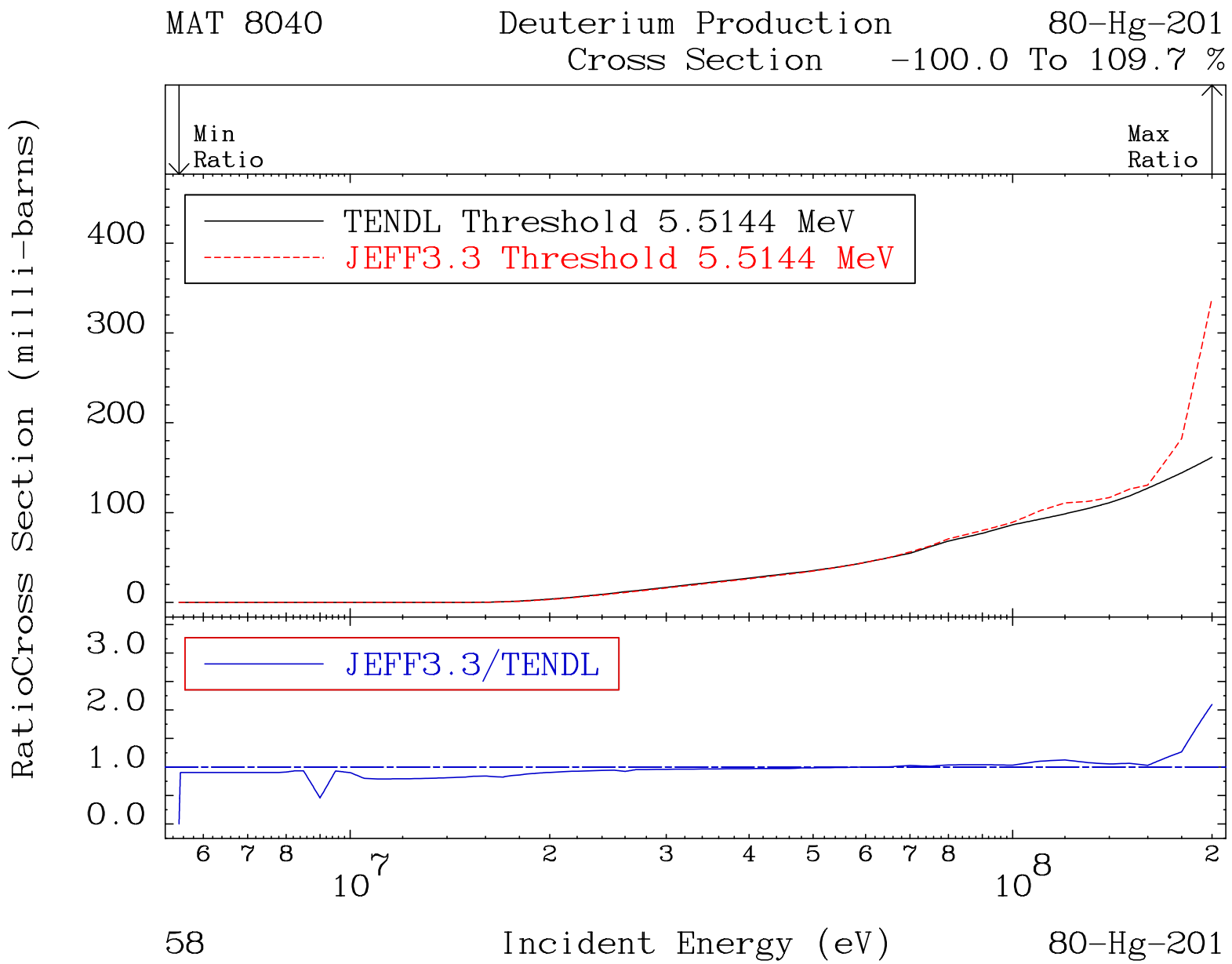

MAT 8040
(n,He-3)
Cross Section
80-Hg-201
-35.67 To 16.97 %
Max Ratio
Min Ratio
TENDL Threshold 7.1695 MeV
JEFF3.3 Threshold 7.1680 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
60
50
40
30
20
10
0
1.2
0.8
7 8
10^7
2 3 4 5 6 7 8
10^8
2
53
Incident Energy (eV)
80-Hg-201

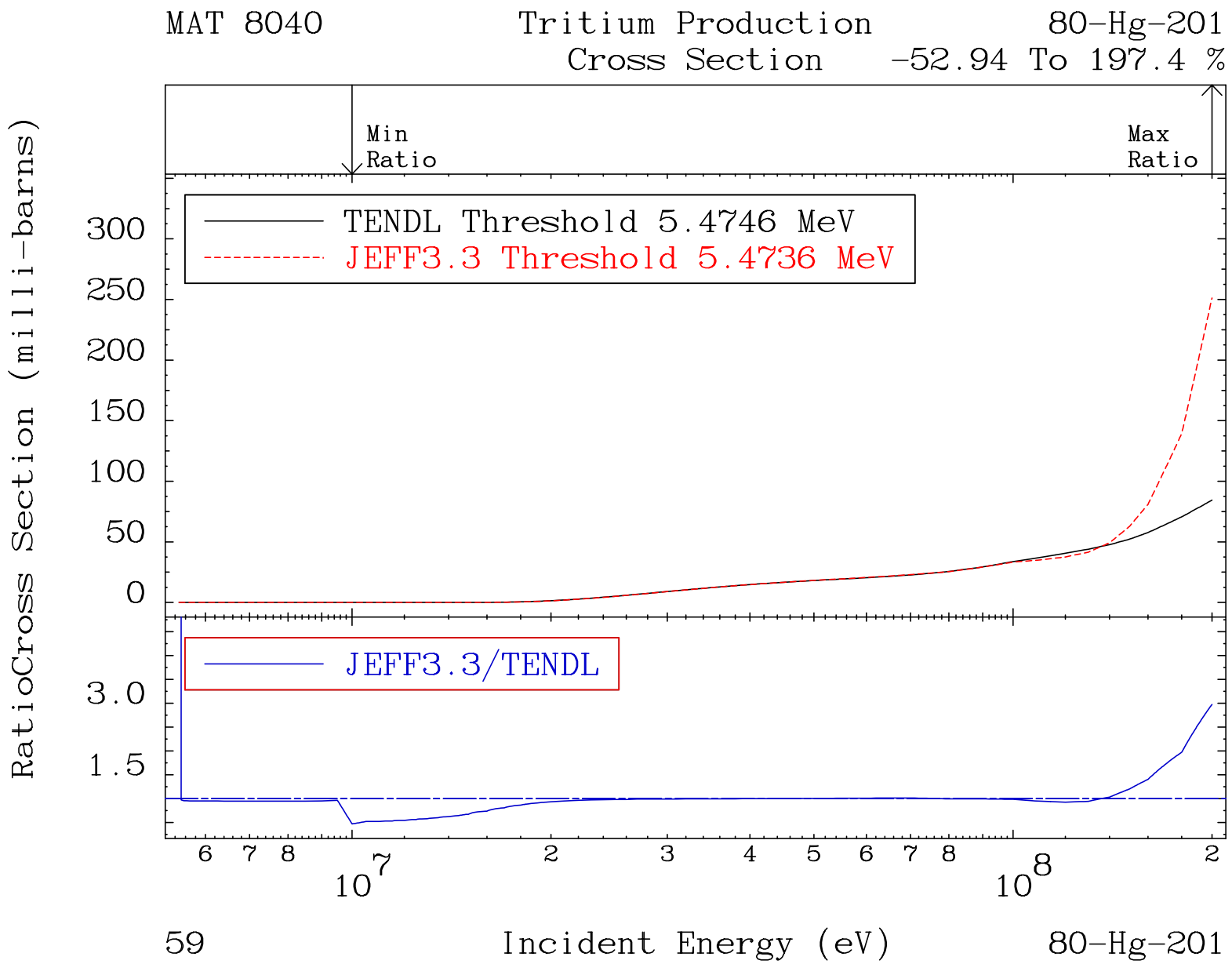

MAT 8040
(n,α)
Cross Section
80-Hg-201
-38.49 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
80-Hg-201

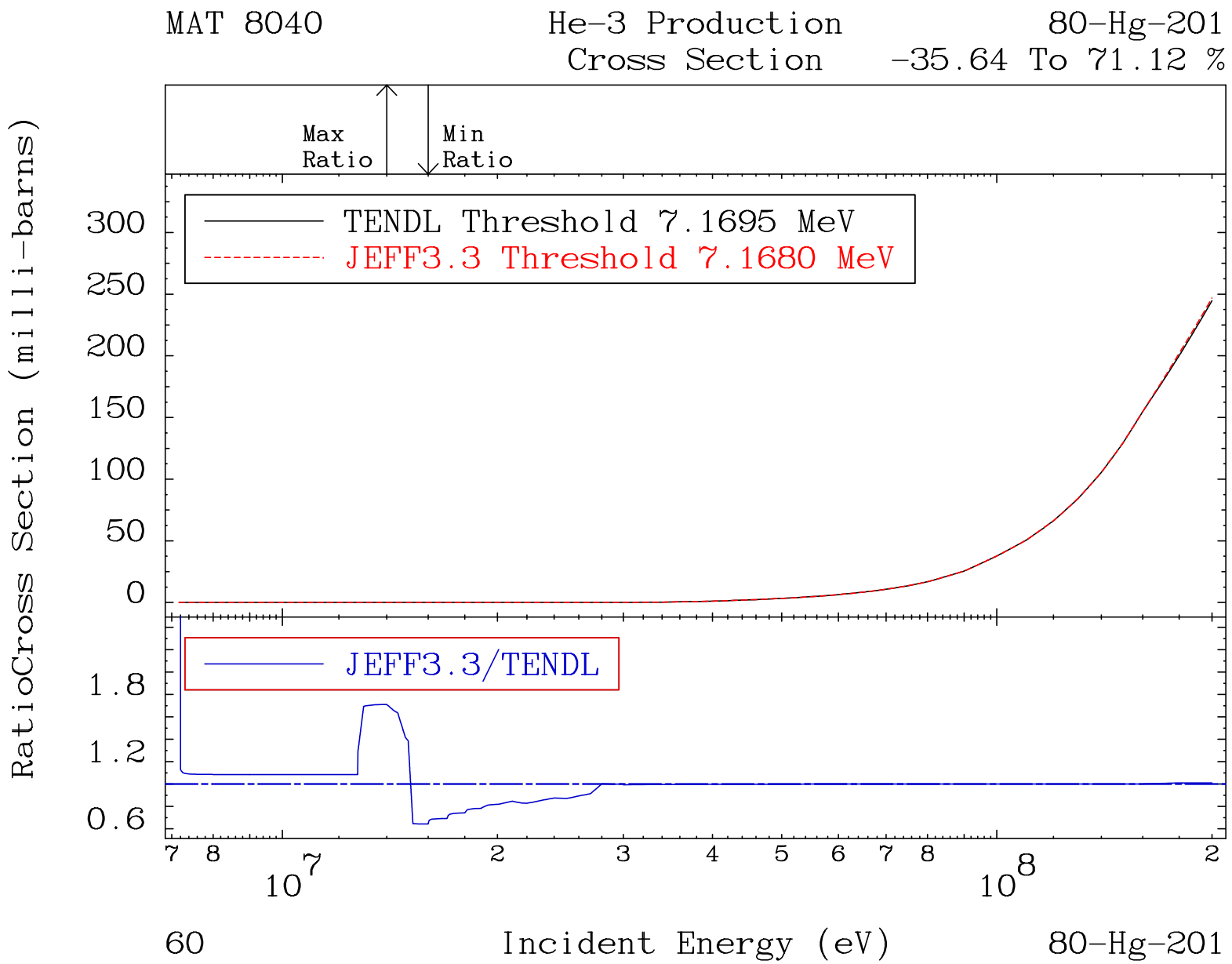

MAT 8040
(n,2p)
80-Hg-201
Cross Section 0.000 To 277.4 %
Max Ratio
Min Ratio
TENDL Threshold 7.6080 MeV
JEFF3.3 Threshold 7.6065 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
800
600
400
200
0
4
2
8
10^7
2
3
4
5
6
7
8
10^8
2
55
Incident Energy (eV)
80-Hg-201

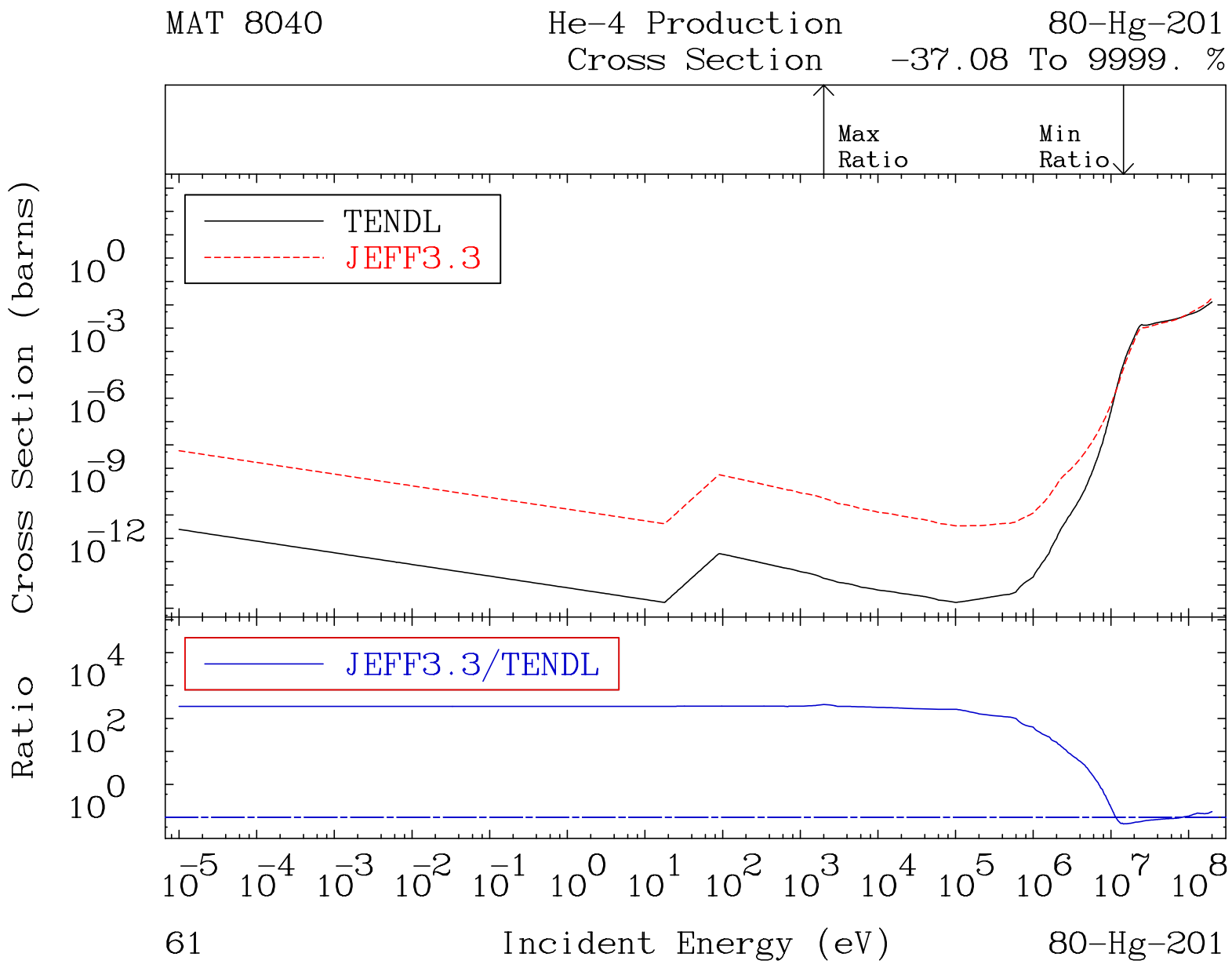

MAT 8040
(n,p) α
Cross Section
80-Hg-201
-59.83 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.0462 MeV
JEFF3.3 Threshold 1.0447 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
Incident Energy (eV)
56
80-Hg-201

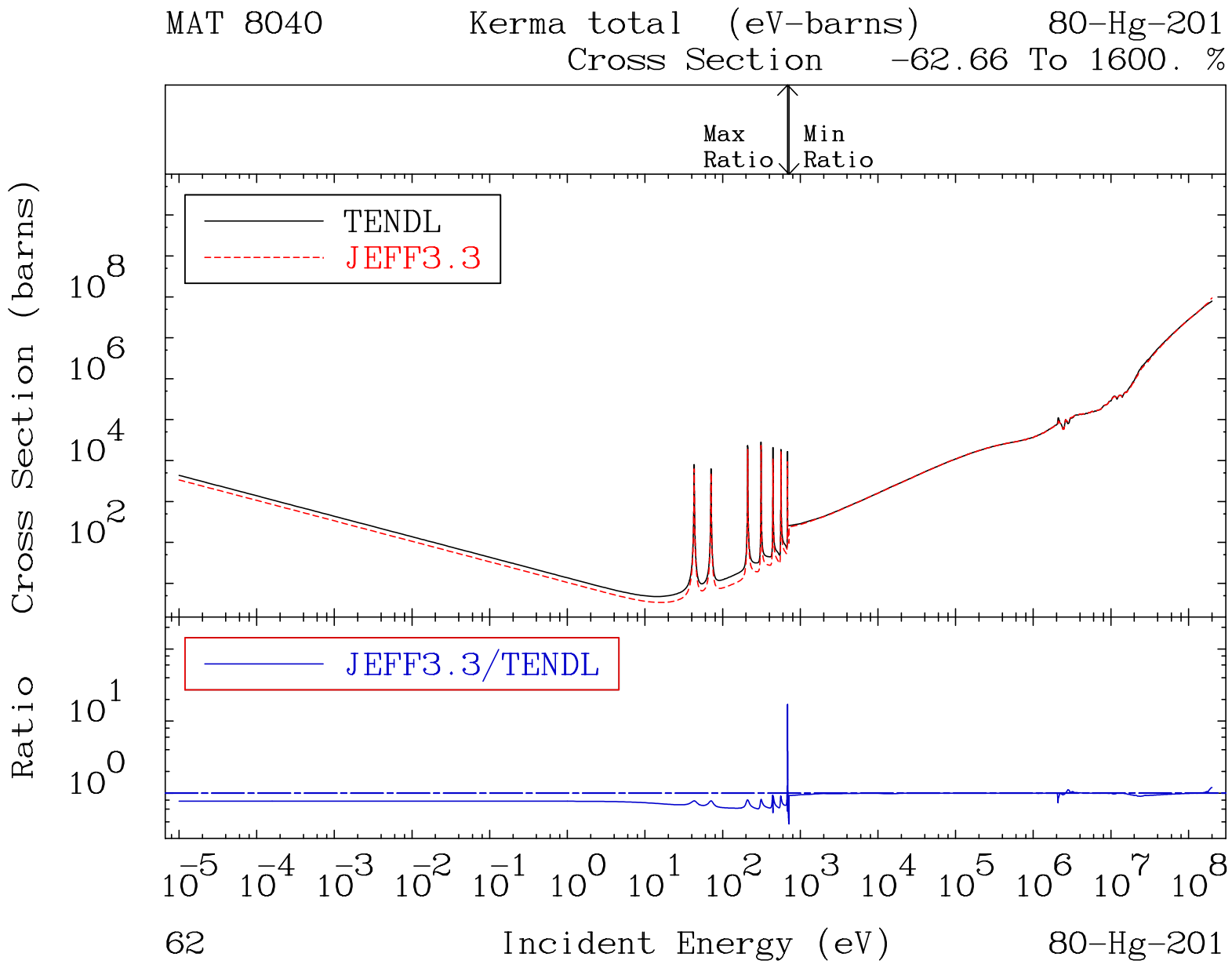

MAT 8040
Hydrogen Production
80-Hg-201
Cross Section
-100.0 To 108.2 %
Min Ratio
Max Ratio
TENDL Threshold 481.88 keV
JEFF3.3 Threshold 481.88 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
3.0
2.0
1.0
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
57
Incident Energy (eV)
80-Hg-201

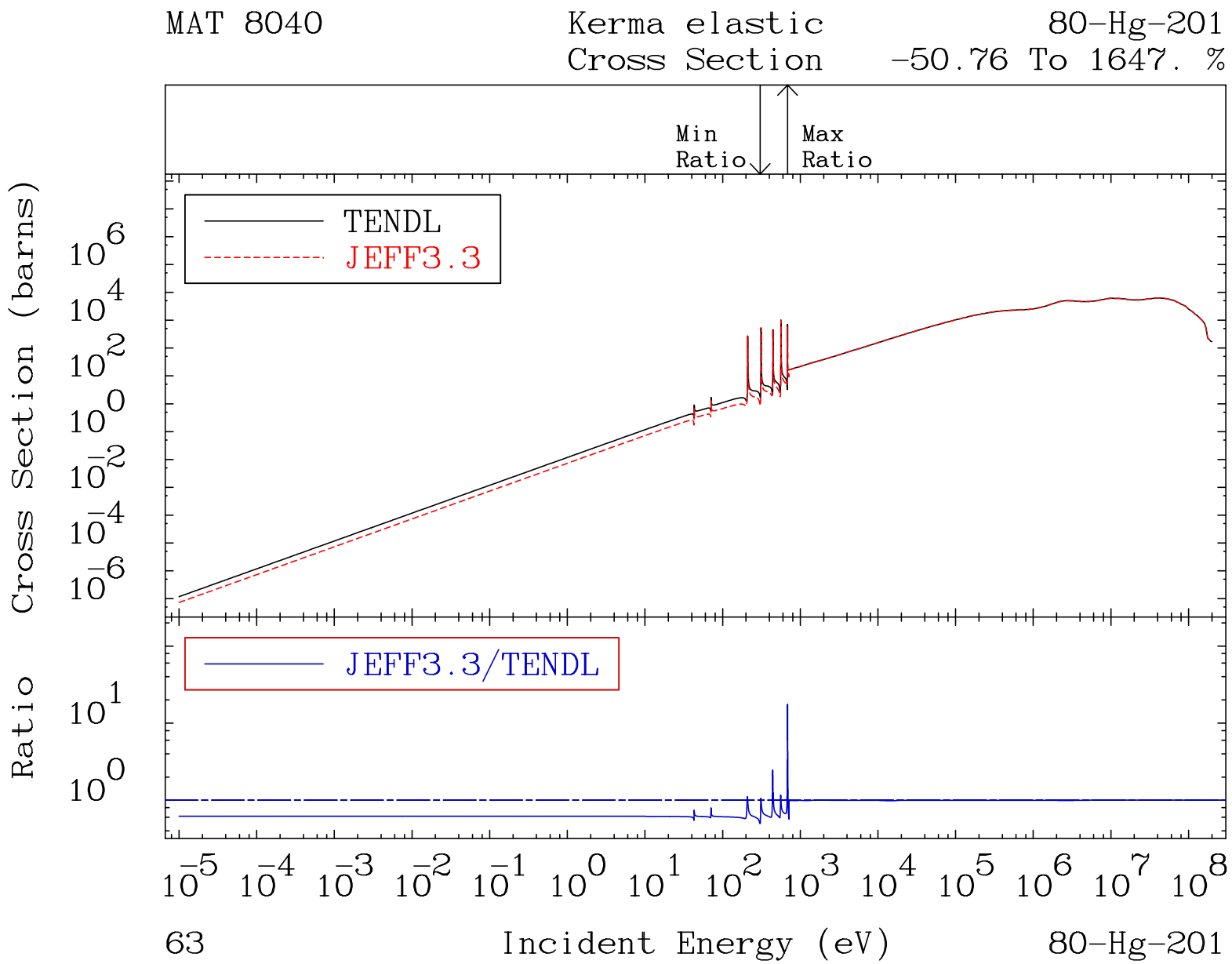

MAT 8040
Deuterium Production
80-Hg-201
Cross Section -100.0 To 109.7 %
Min Ratio
Max Ratio
TENDL Threshold 5.5144 MeV
JEFF3.3 Threshold 5.5144 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
3.0
2.0
1.0
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
58
Incident Energy (eV)
80-Hg-201

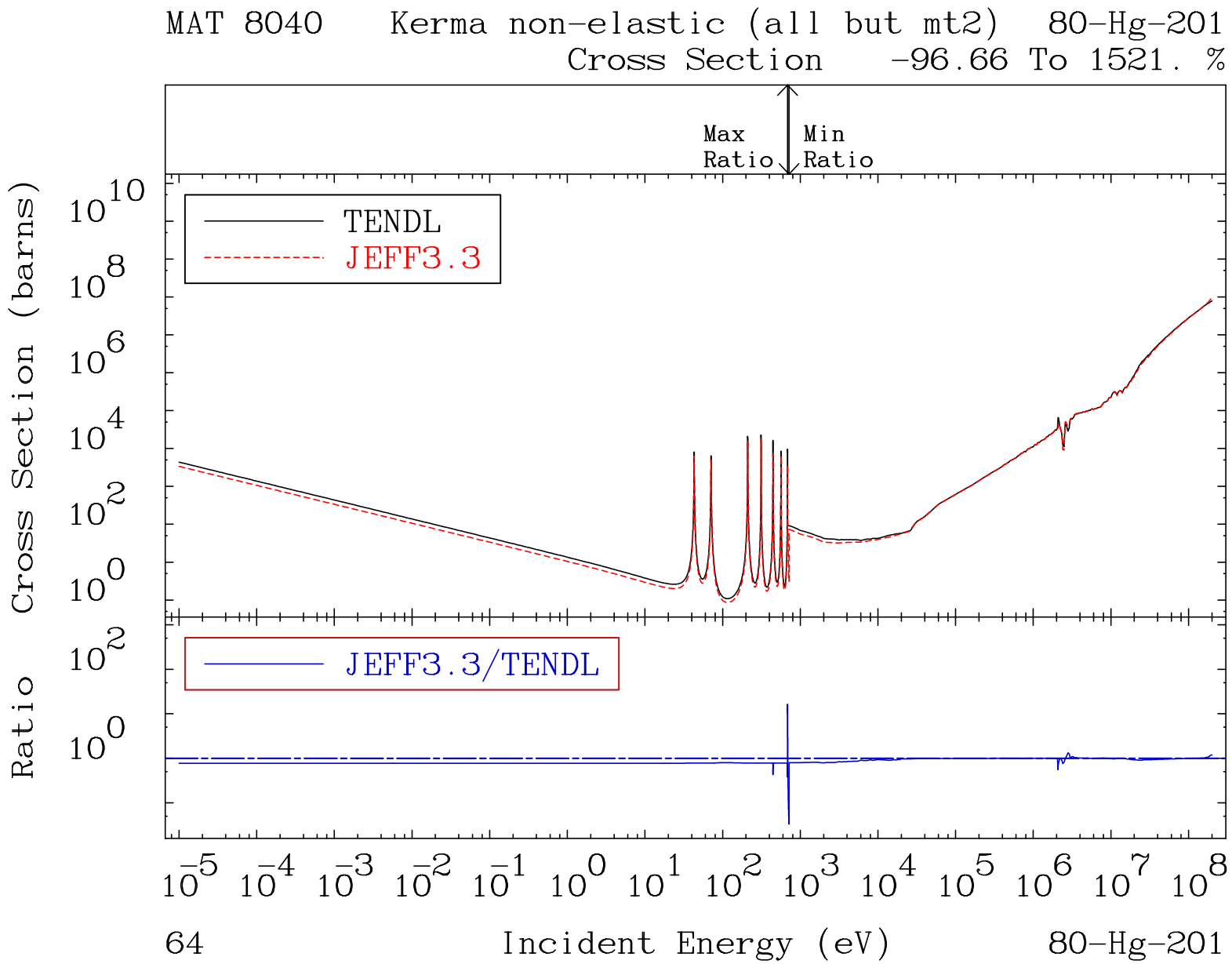

MAT 8040
Tritium Production
Cross Section
80-Hg-201
-52.94 To 197.4 %
Min Ratio
Max Ratio
TENDL Threshold 5.4746 MeV
JEFF3.3 Threshold 5.4736 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
3.0
1.5
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
59
Incident Energy (eV)
80-Hg-201

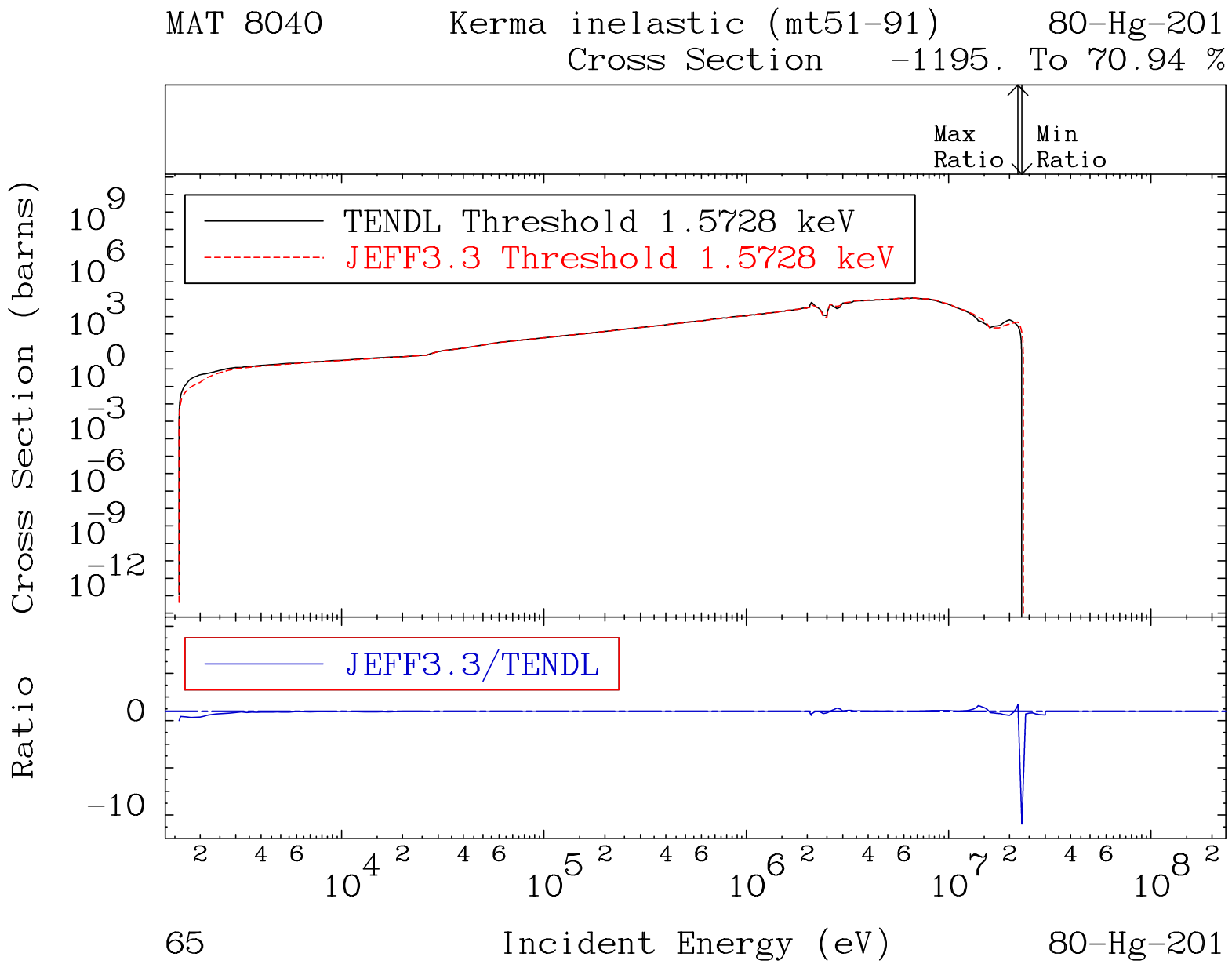

MAT 8040
He-3 Production
Cross Section
80-Hg-201
-35.64 To 71.12 %
Max Ratio
Min Ratio
TENDL Threshold 7.1695 MeV
JEFF3.3 Threshold 7.1680 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
1.8
1.2
0.6
7 8 10^7 2 3 4 5 6 7 8 10^8 2
60
Incident Energy (eV)
80-Hg-201

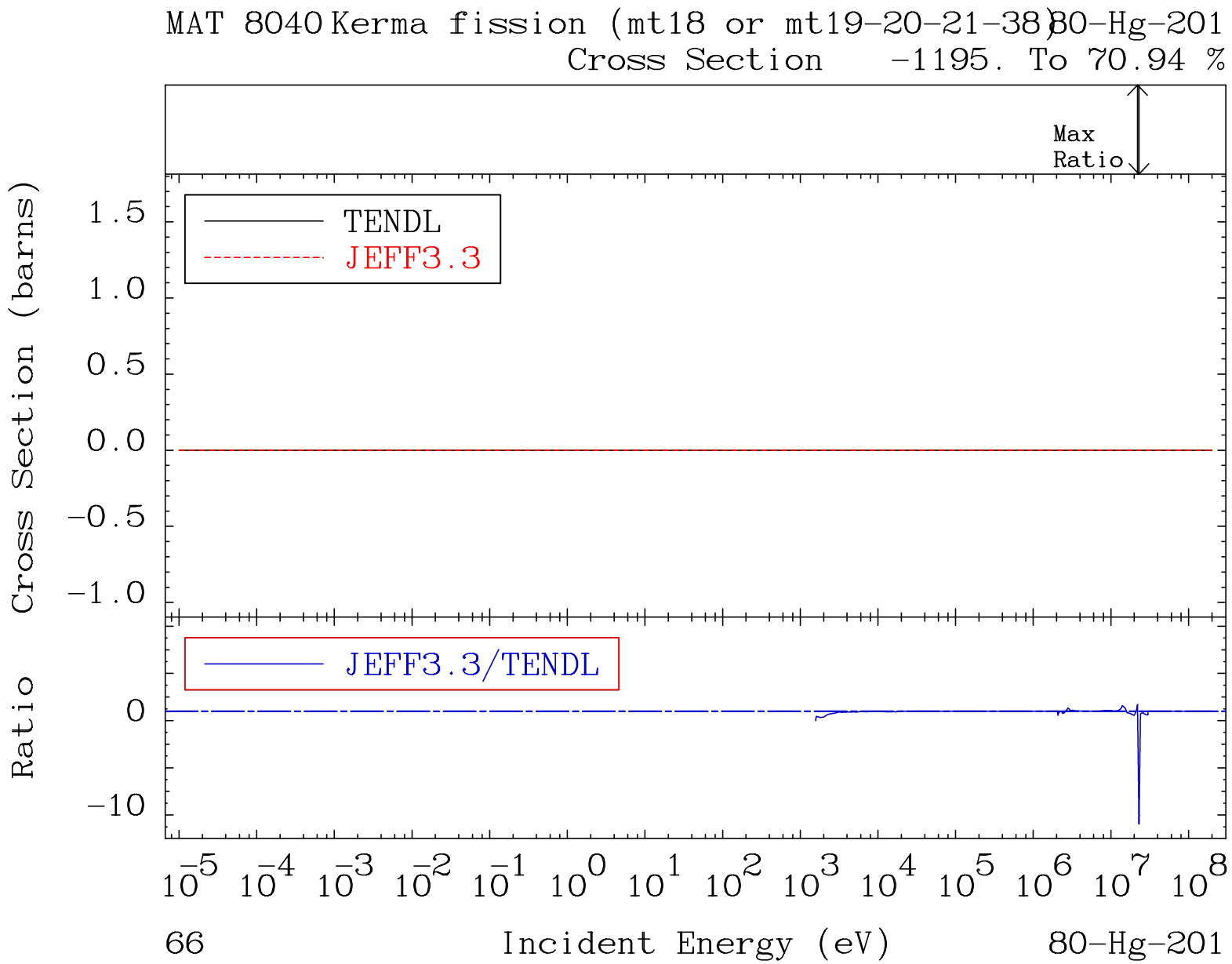

MAT 8040
He-4 Production
Cross Section
80-Hg-201
-37.08 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
80-Hg-201

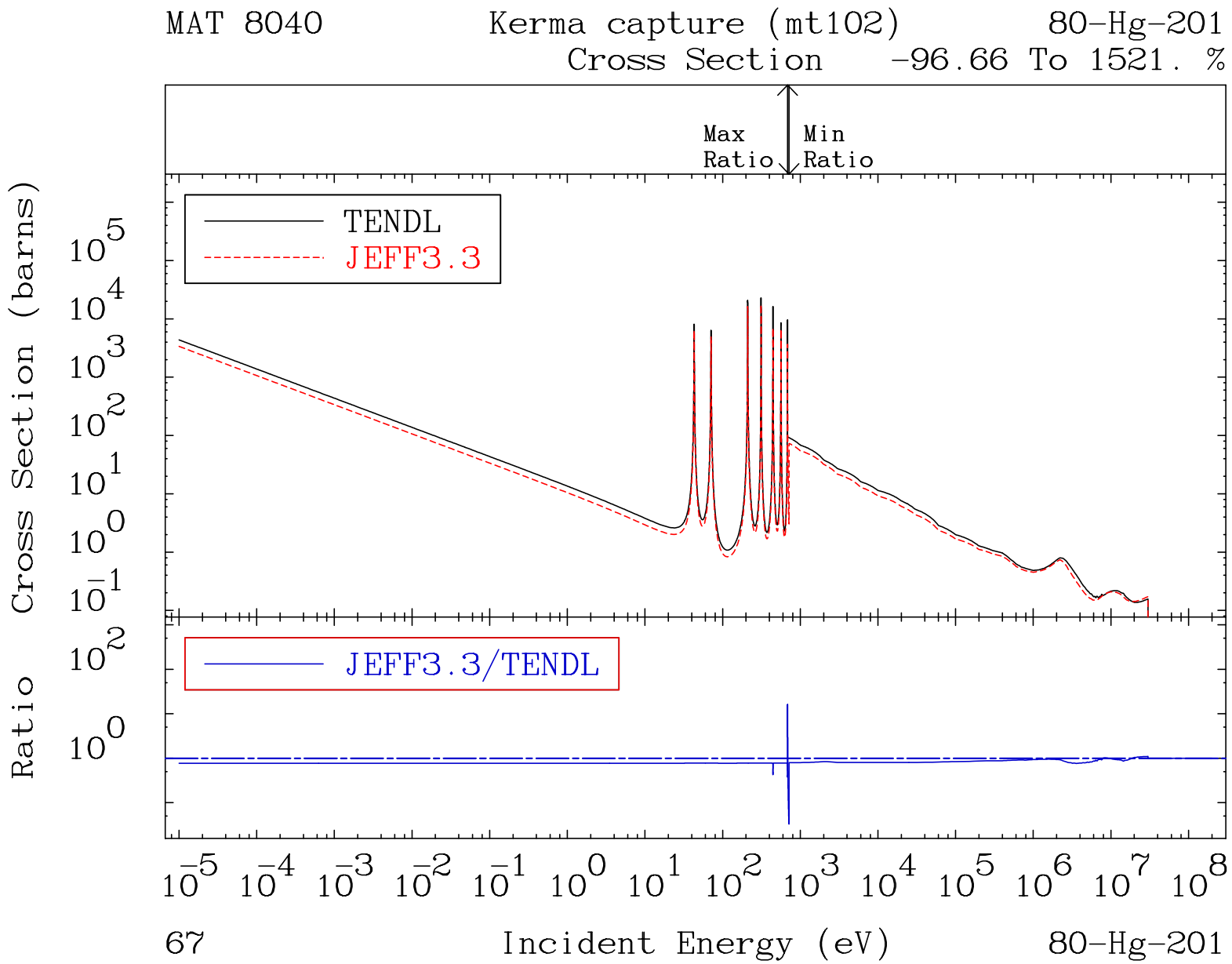

MAT 8040
Kerma total (eV-barns)
80-Hg-201
Cross Section -62.66 To 1600. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
62
80-Hg-201

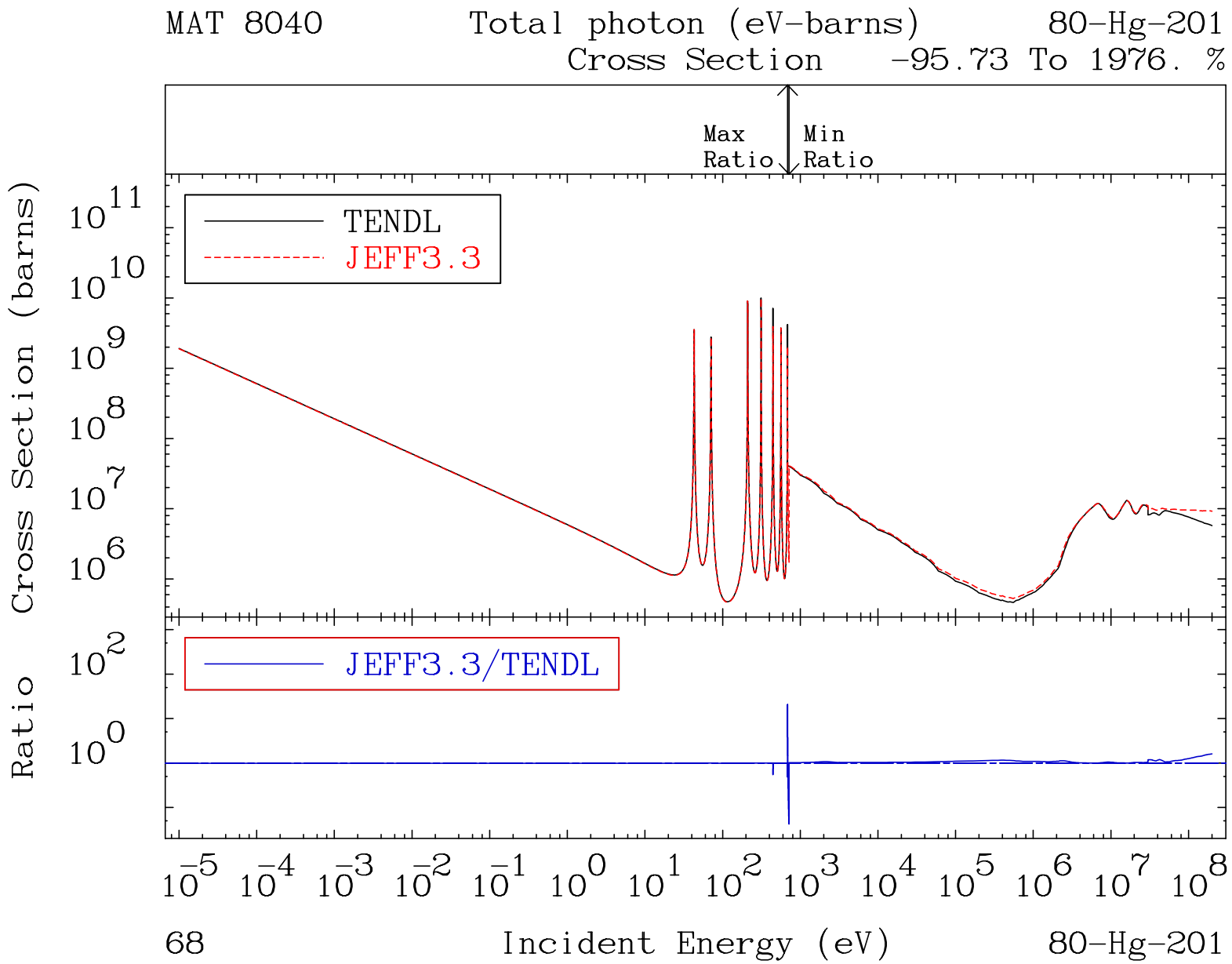

MAT 8040
Kerma elastic
Cross Section
80-Hg-201
-50.76 To 1647. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
80-Hg-201

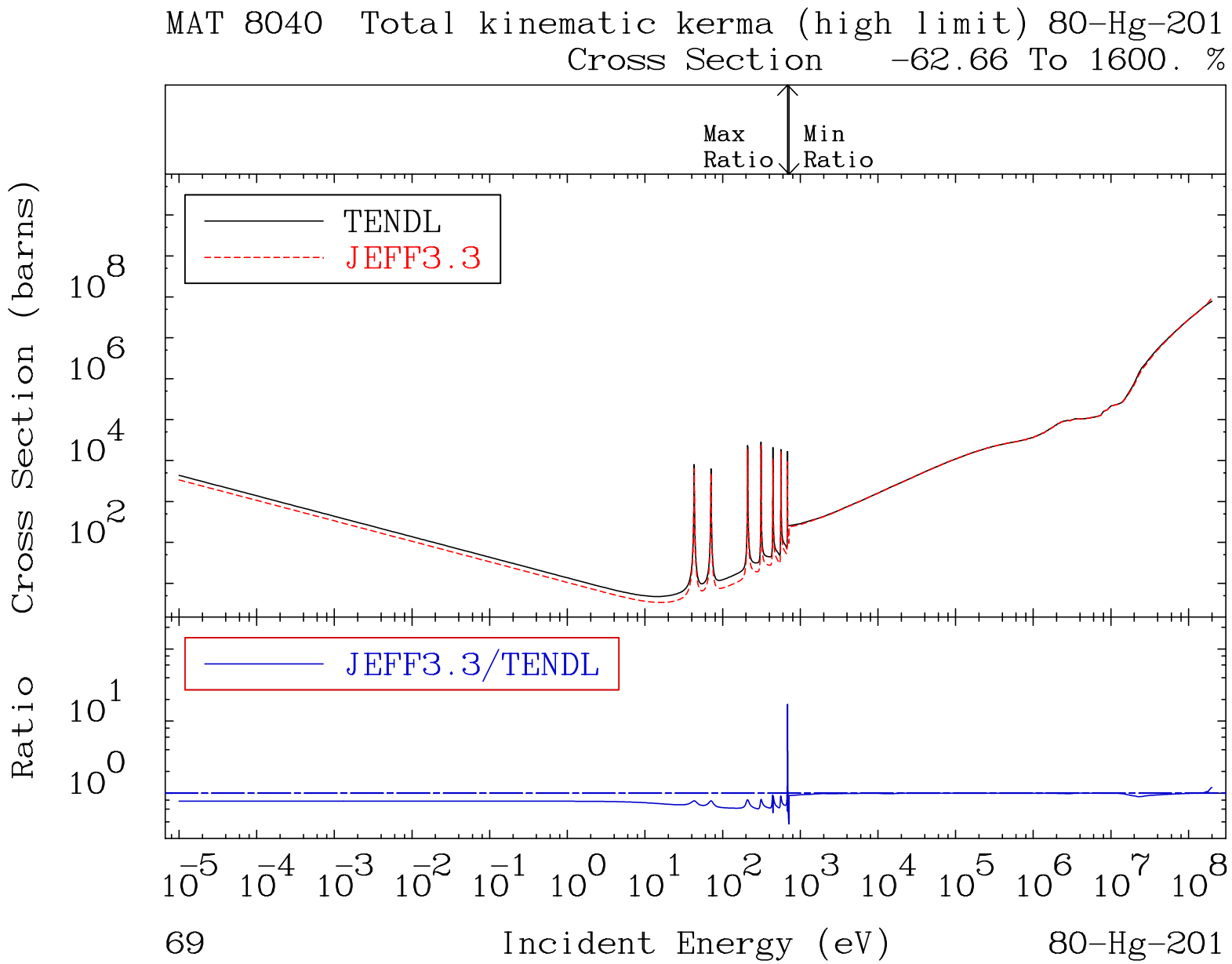

MAT 8040 Kerma non-elastic (all but mt2) 80-Hg-201
Cross Section -96.66 To 1521. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
80-Hg-201

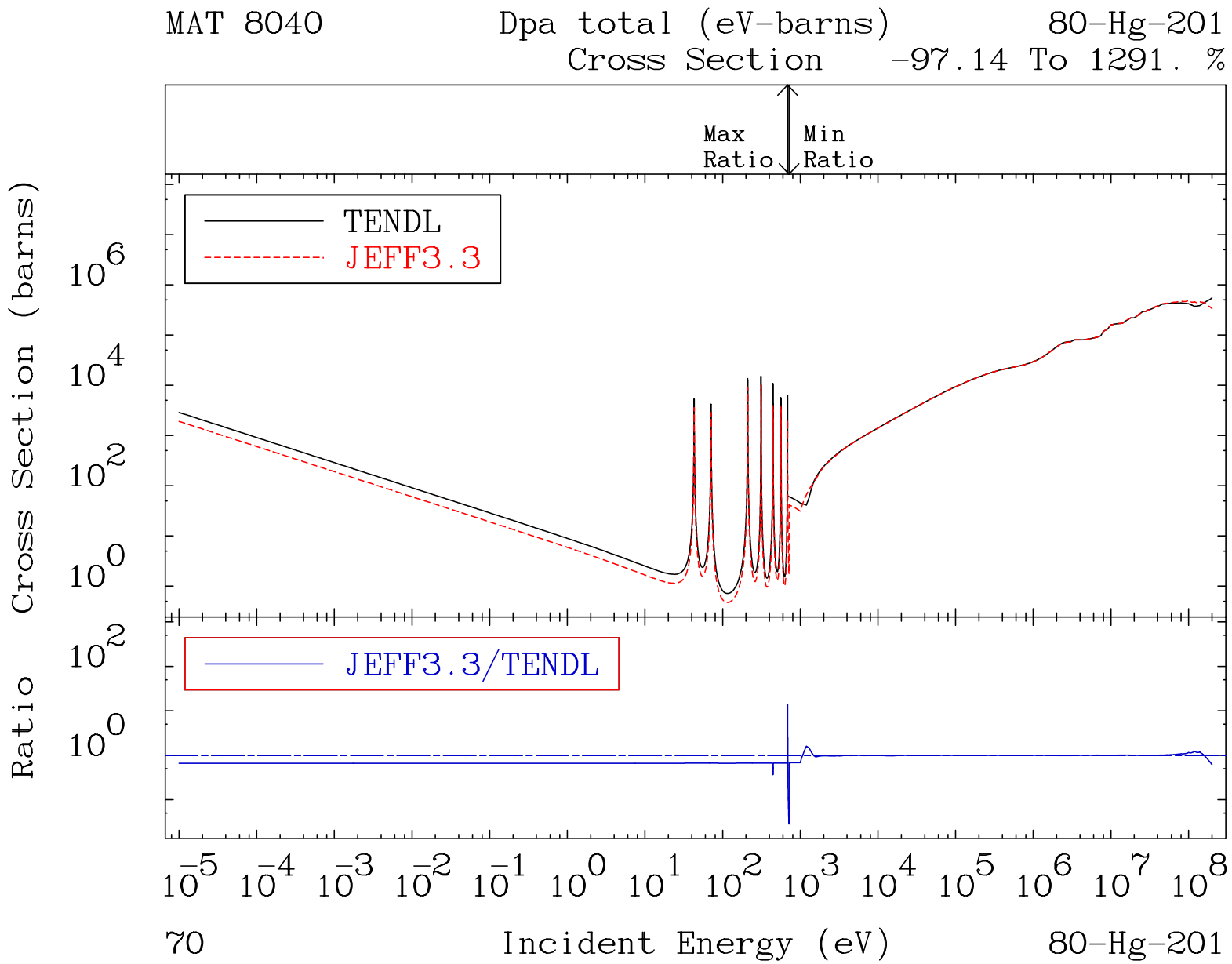

MAT 8040
Kerma inelastic (mt51-91)
80-Hg-201
Cross Section -1195. To 70.94 %
Max Ratio
Min Ratio
TENDL Threshold 1.5728 keV
JEFF3.3 Threshold 1.5728 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
65
80-Hg-201

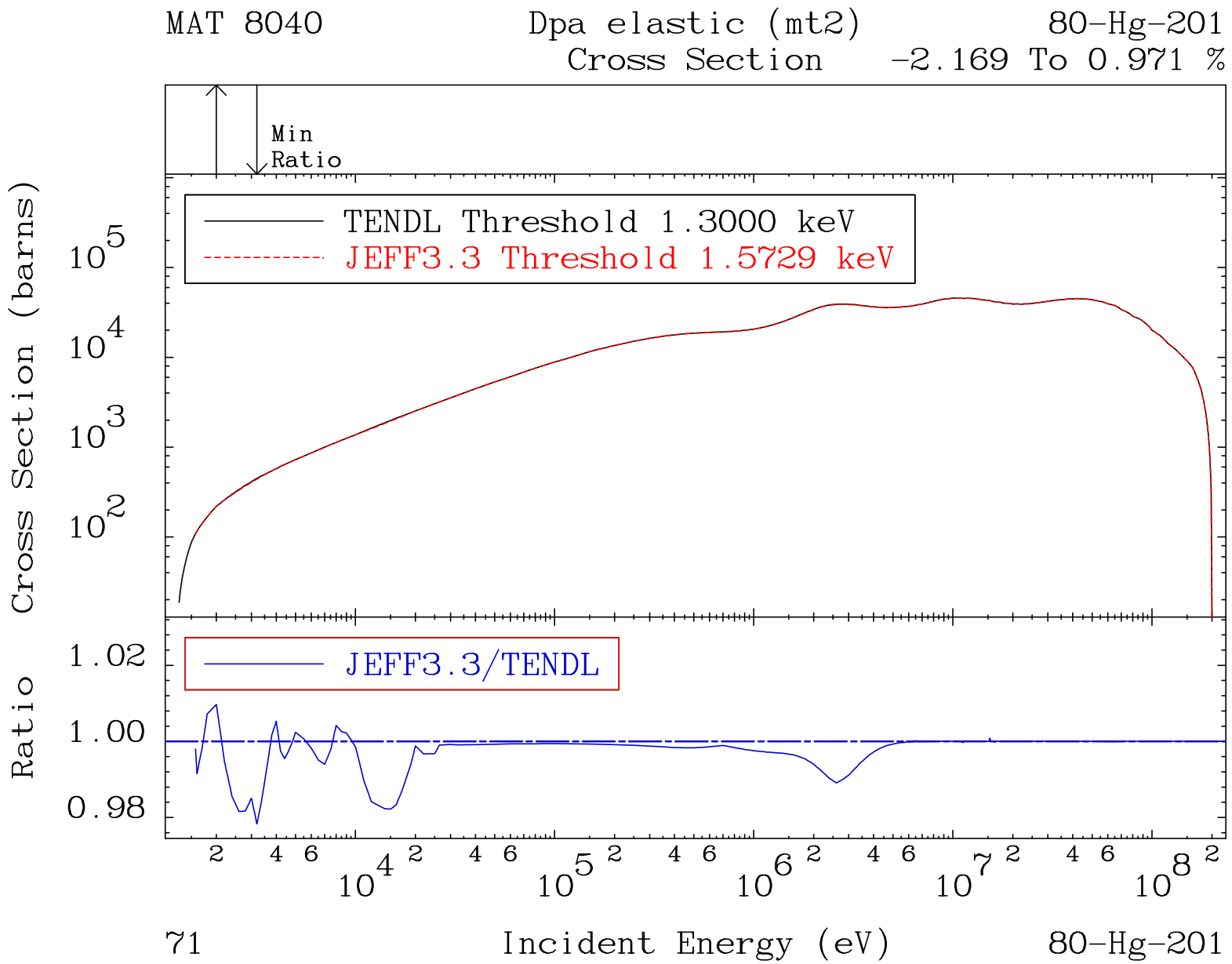

MAT 8040 Kerma fission (mt18 or mt19-20-21-38) 80-Hg-201
Cross Section -1195. To 70.94 %
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
0
-10
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
66
Incident Energy (eV)
80-Hg-201

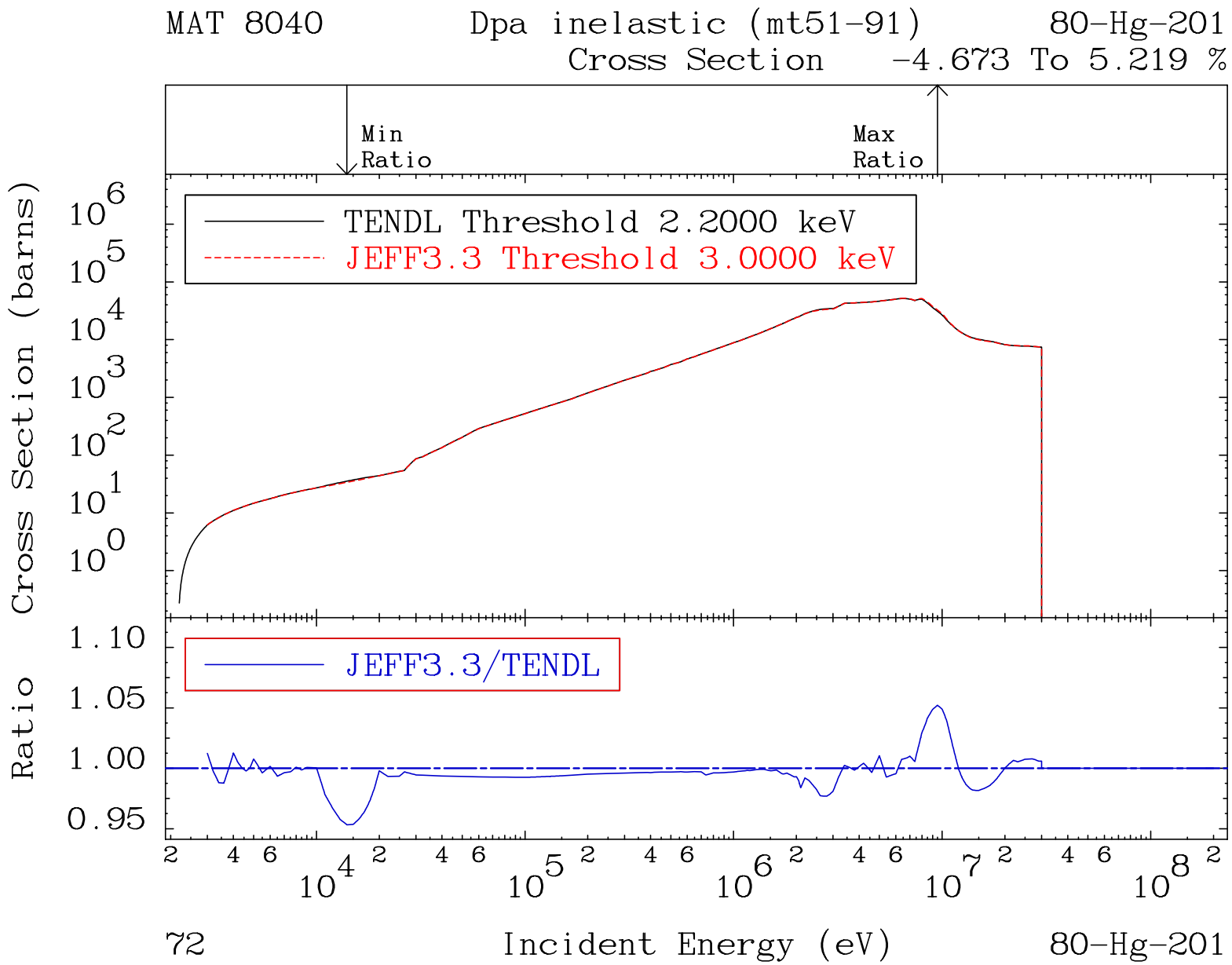

MAT 8040
Kerma capture (mt102)
80-Hg-201
Cross Section -96.66 To 1521. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
67
80-Hg-201

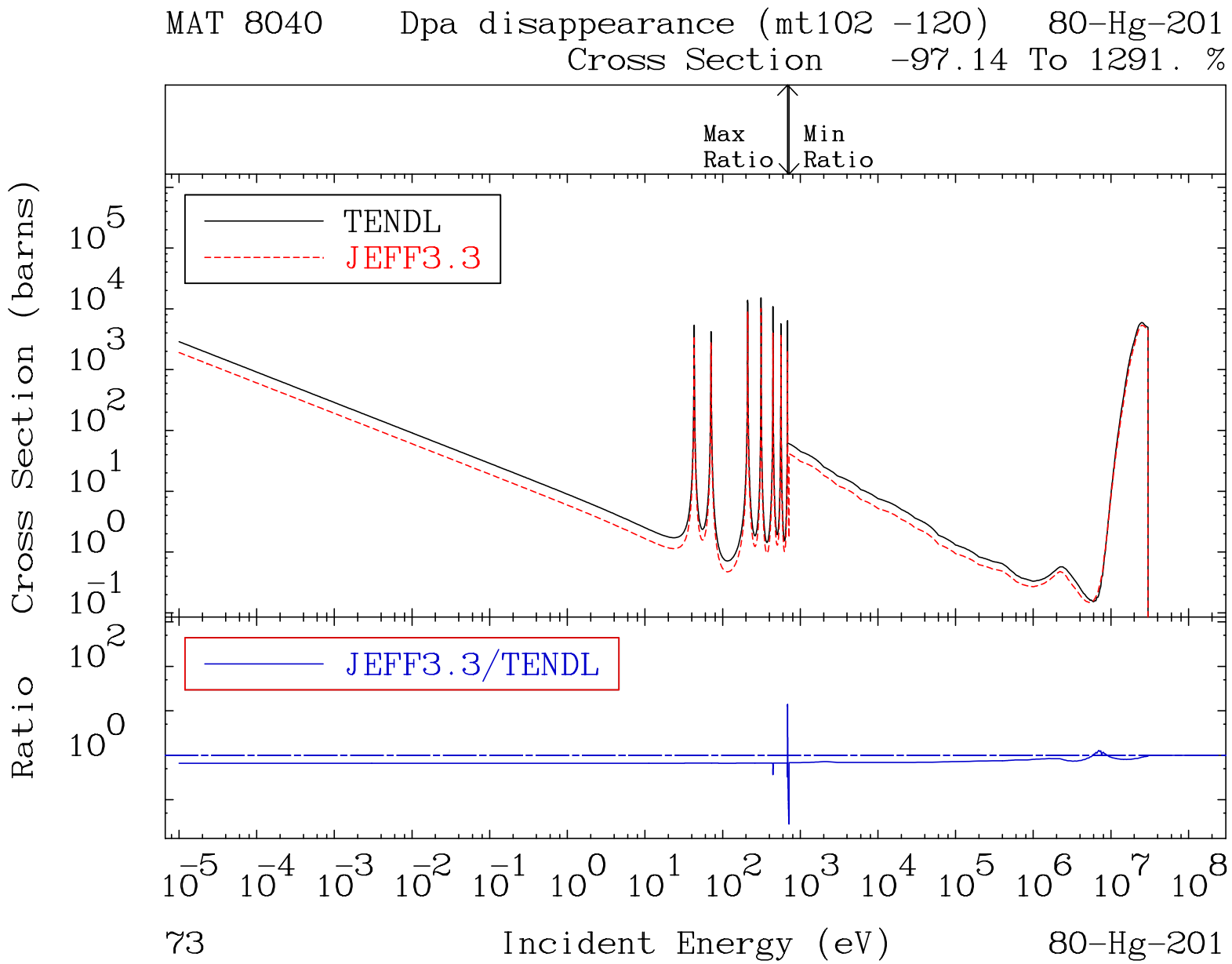

MAT 8040
Total photon (eV-barns)
80-Hg-201
Cross Section -95.73 To 1976. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
68
80-Hg-201

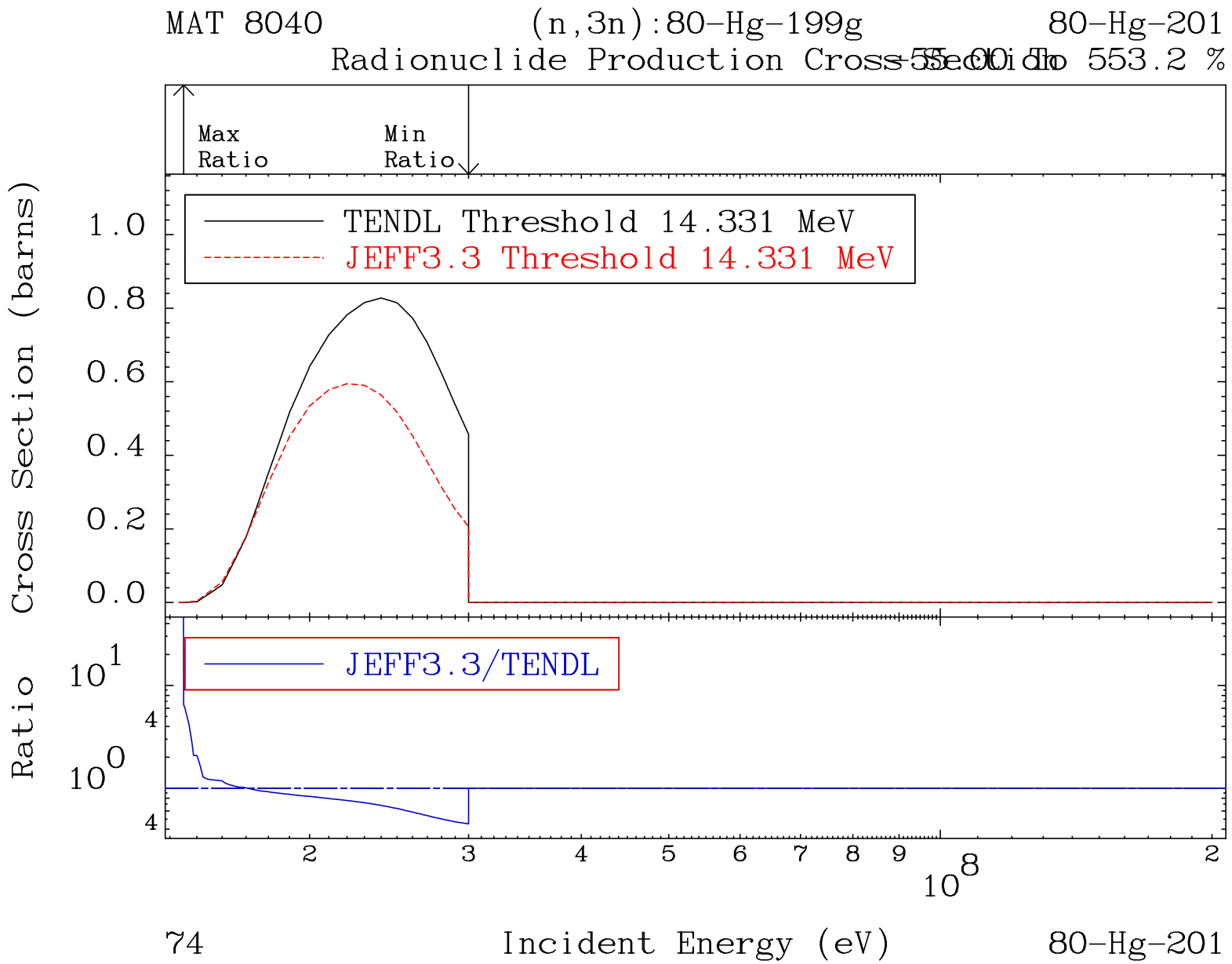

MAT 8040 Total kinematic kerma (high limit) 80-Hg-201
Cross Section -62.66 To 1600. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
69
80-Hg-201

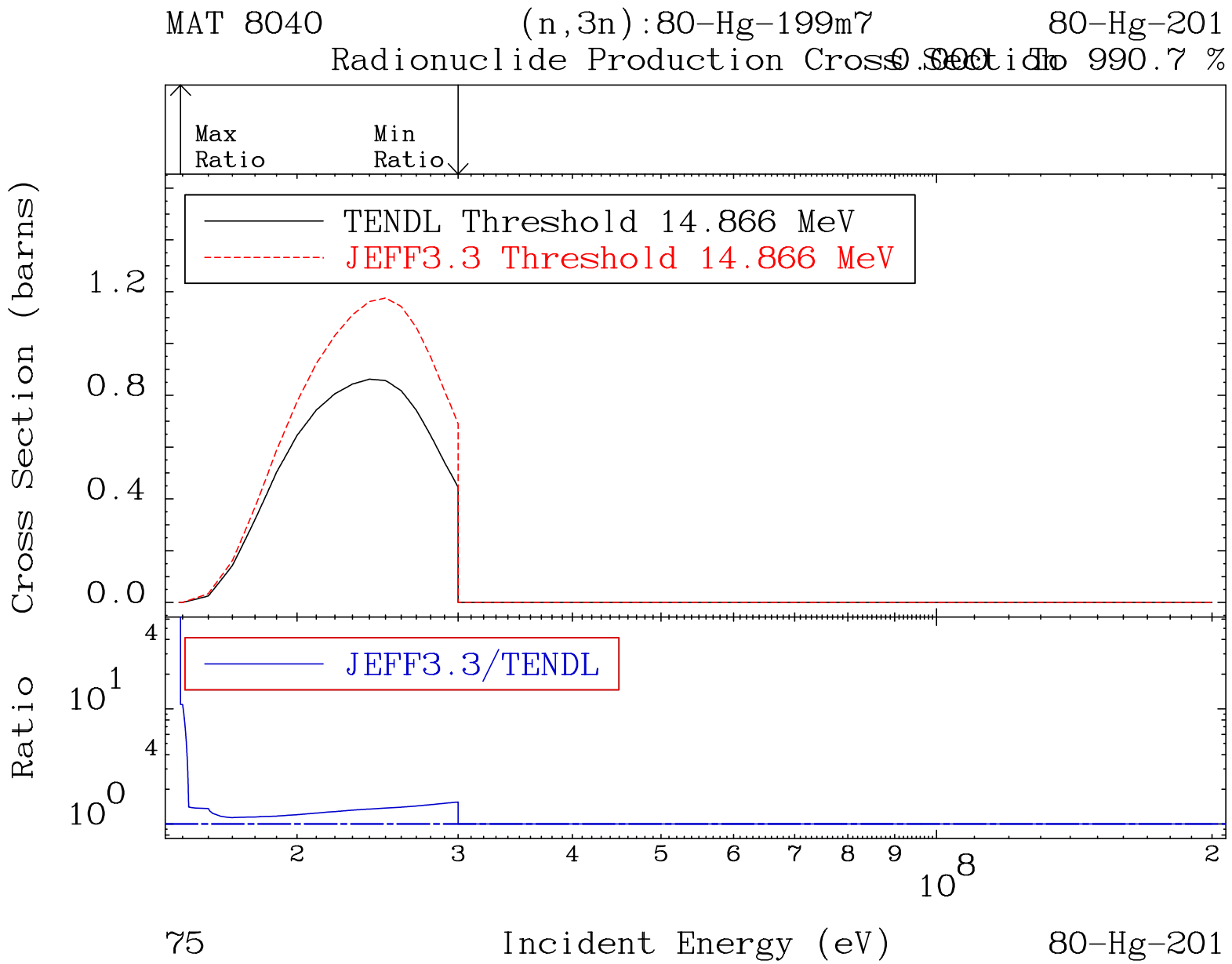

MAT 8040
Dpa total (eV-barns)
80-Hg-201
Cross Section -97.14 To 1291. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
70
80-Hg-201

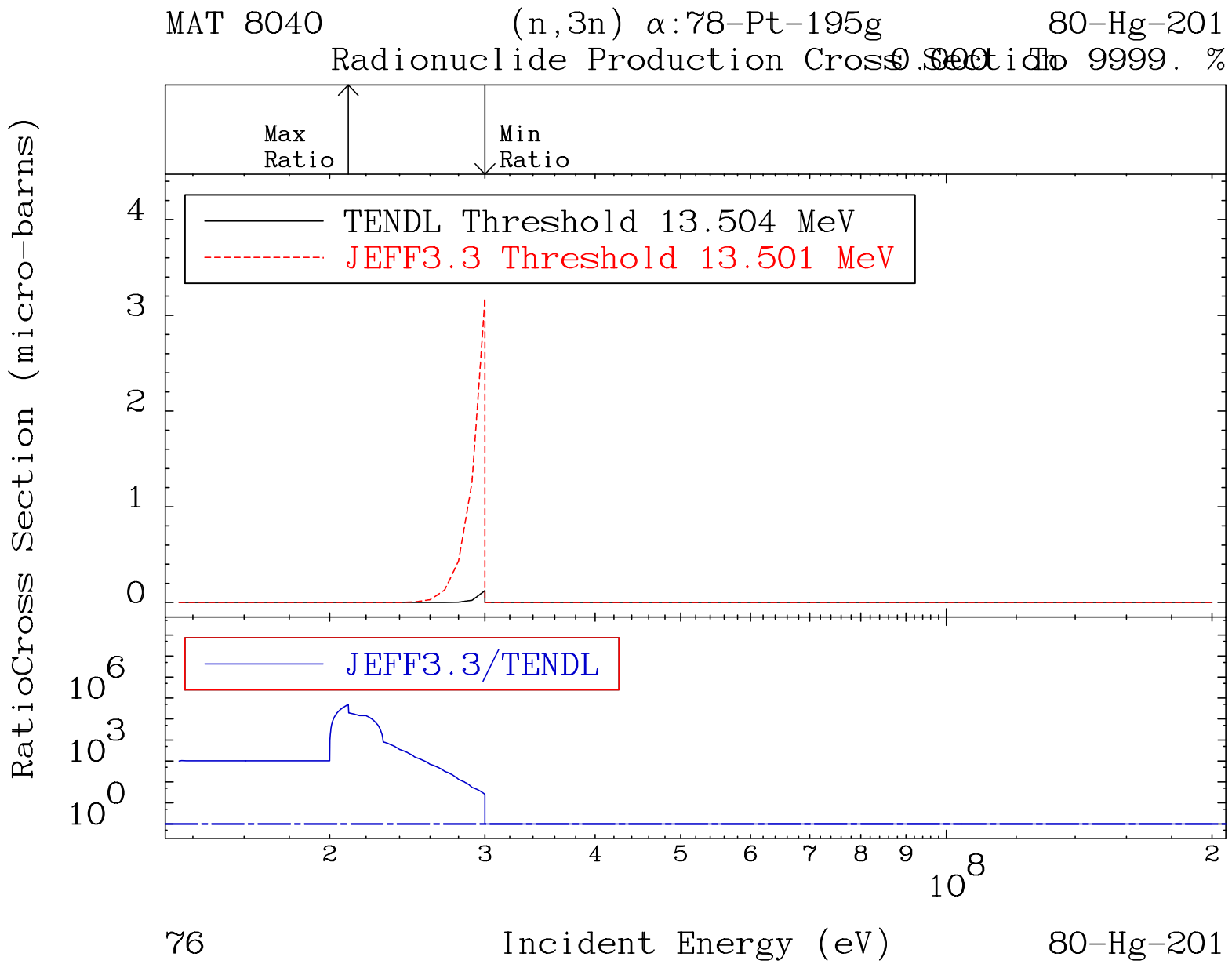

MAT 8040
Dpa elastic (mt2)
Cross Section
80-Hg-201
-2.169 To 0.971 %
Min
Ratio
TENDL Threshold 1.3000 keV
JEFF3.3 Threshold 1.5729 keV
Cross Section (barns)
10^5
10^4
10^3
10^2
JEFF3.3/TENDL
Ratio
1.02
1.00
0.98
2 4 6 10^4 2 4 6 10^5 2 4 6 10^6 2 4 6 10^7 2 4 6 10^8 2
71
Incident Energy (eV)
80-Hg-201

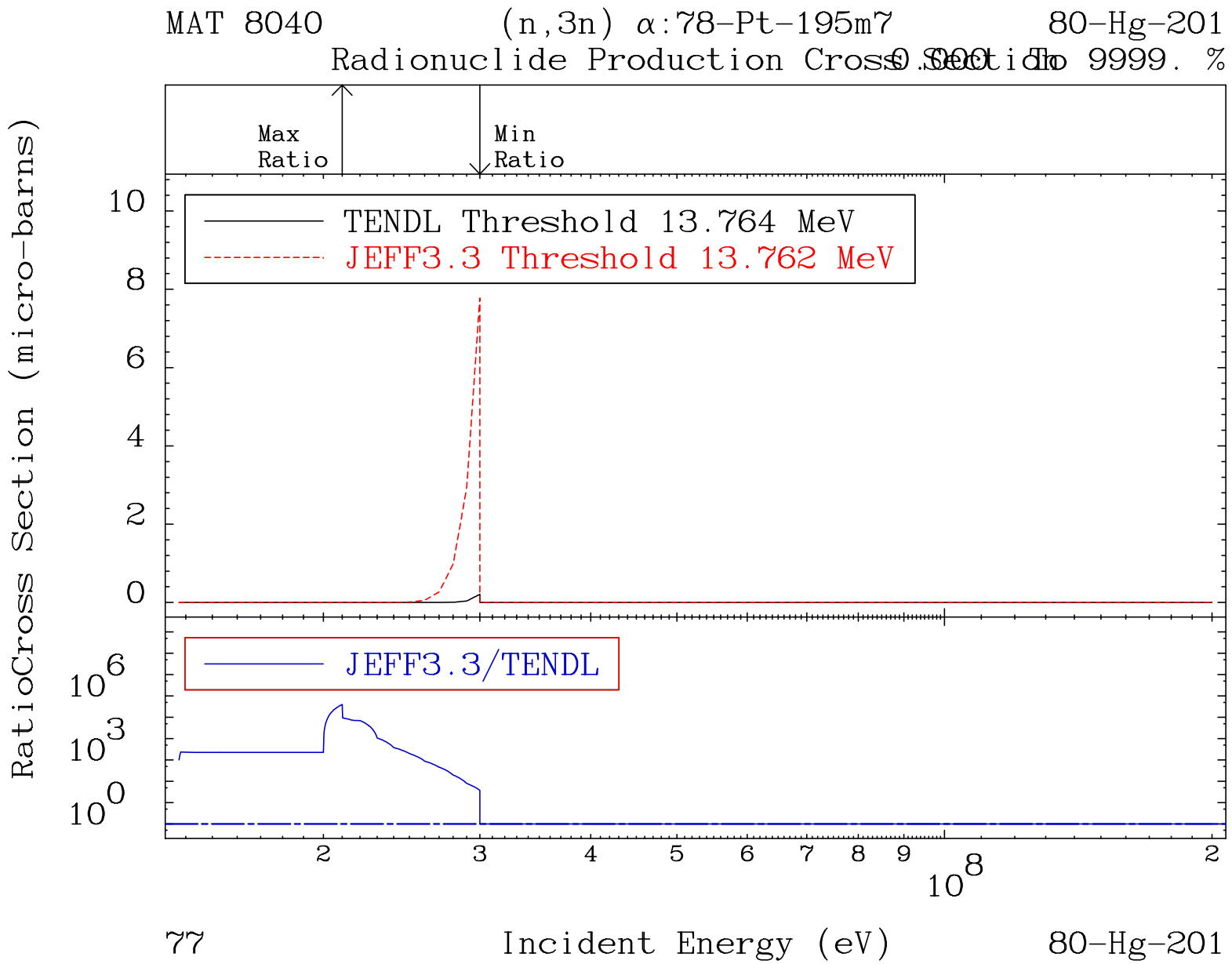

MAT 8040
Dpa inelastic (mt51-91)
80-Hg-201
Cross Section
-4.673 To 5.219 %
Min Ratio
Max Ratio
TENDL Threshold 2.2000 keV
JEFF3.3 Threshold 3.0000 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
72
80-Hg-201

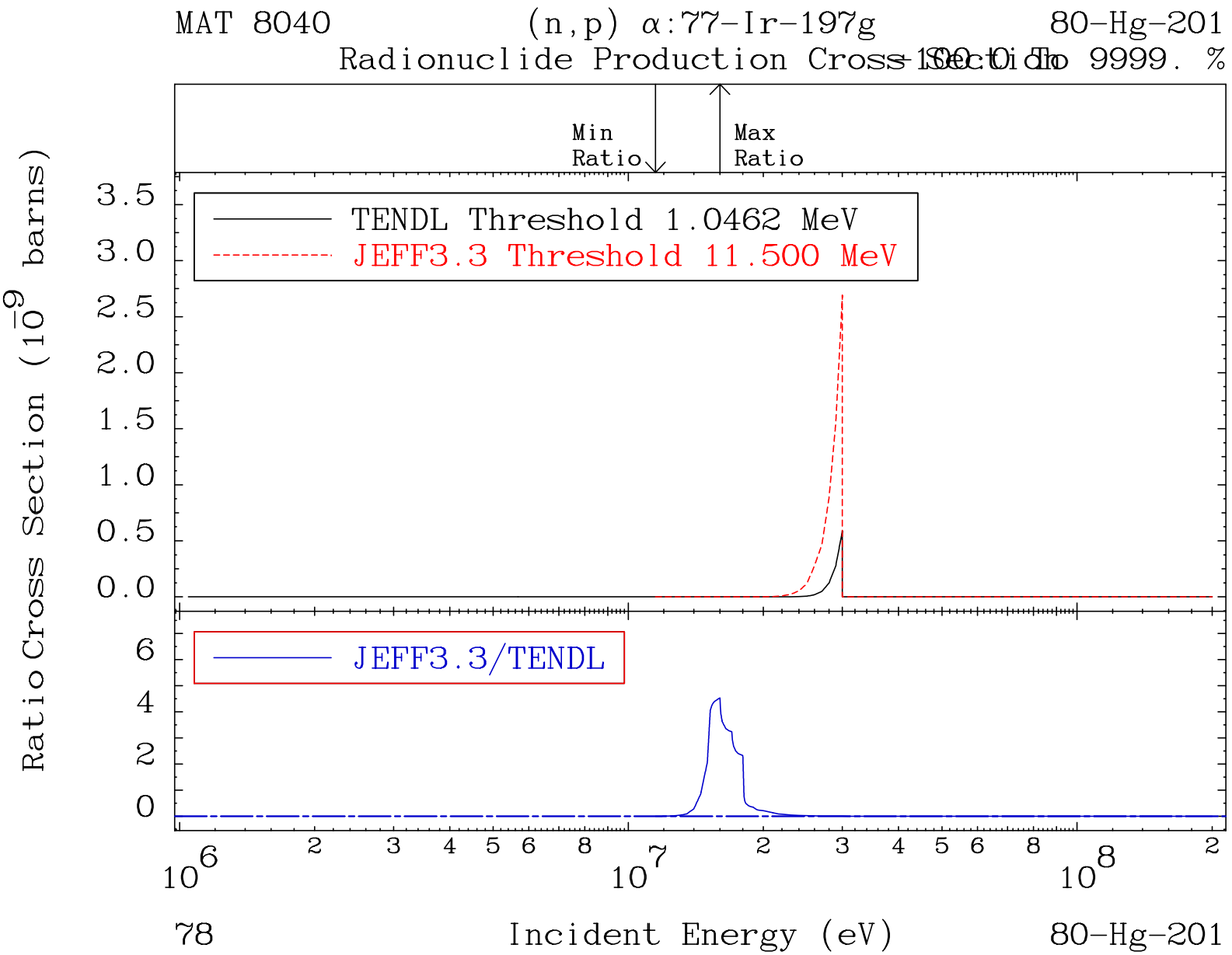

MAT 8040 Dpa disappearance (mt102 -120) 80-Hg-201
Cross Section -97.14 To 1291. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
73
80-Hg-201

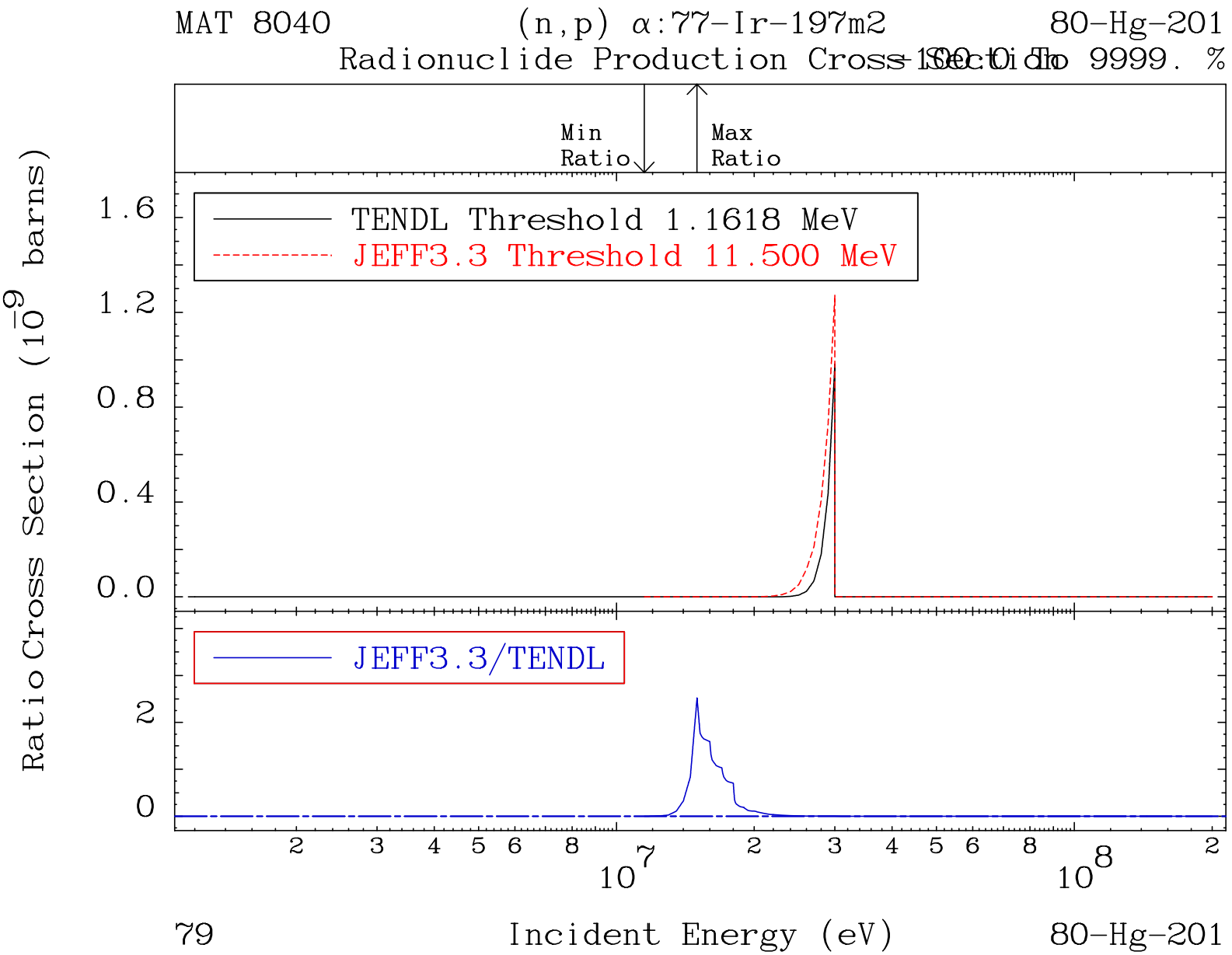

MAT 8040
(n,3n):80-Hg-199g
80-Hg-201
Radionuclide Production Cross Section To 553.2 %
Max Ratio
Min Ratio
TENDL Threshold 14.331 MeV
JEFF3.3 Threshold 14.331 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
74
Incident Energy (eV)
80-Hg-201


MAT 8040
(n,3n):80-Hg-199m7
80-Hg-201
Radionuclide Production Cross Section
0.000 To 990.7 %
Max Ratio
Min Ratio
TENDL Threshold 14.866 MeV
JEFF3.3 Threshold 14.866 MeV
Cross Section (barns)
1.2
0.8
0.4
0.0
JEFF3.3/TENDL
Ratio
4
10^1
4
10^0
2
3
4
5
6
7
8
9
10^8
2
75
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
TENDL Threshold 13.504 MeV
JEFF3.3 Threshold 13.501 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
76
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
TENDL Threshold 13.764 MeV
JEFF3.3 Threshold 13.762 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
10
8
6
4
2
0
10^6
10^3
10^0
2
3
4
5
6
7
8
9
10^8
2
77
Incident Energy (eV)
80-Hg-201


MAT 8040
(n,p) α:77-Ir-197g
80-Hg-201
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.0462 MeV
JEFF3.3 Threshold 11.500 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
Incident Energy (eV)
78
80-Hg-201


MAT 8040
(n,p) α:77-Ir-197m2
80-Hg-201
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.1618 MeV
JEFF3.3 Threshold 11.500 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
1.6
1.2
0.8
0.4
0.0
2
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
79
Incident Energy (eV)
80-Hg-201