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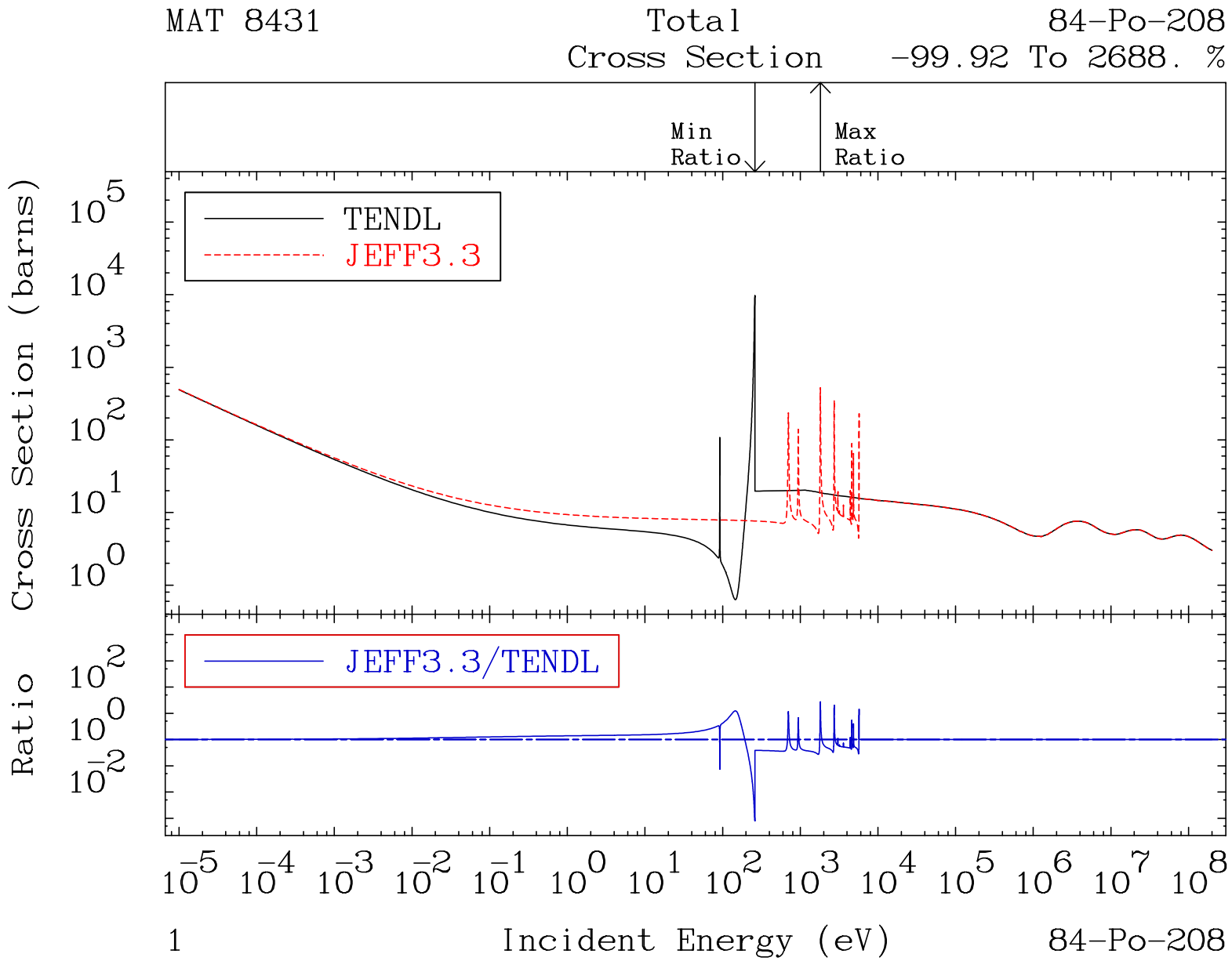
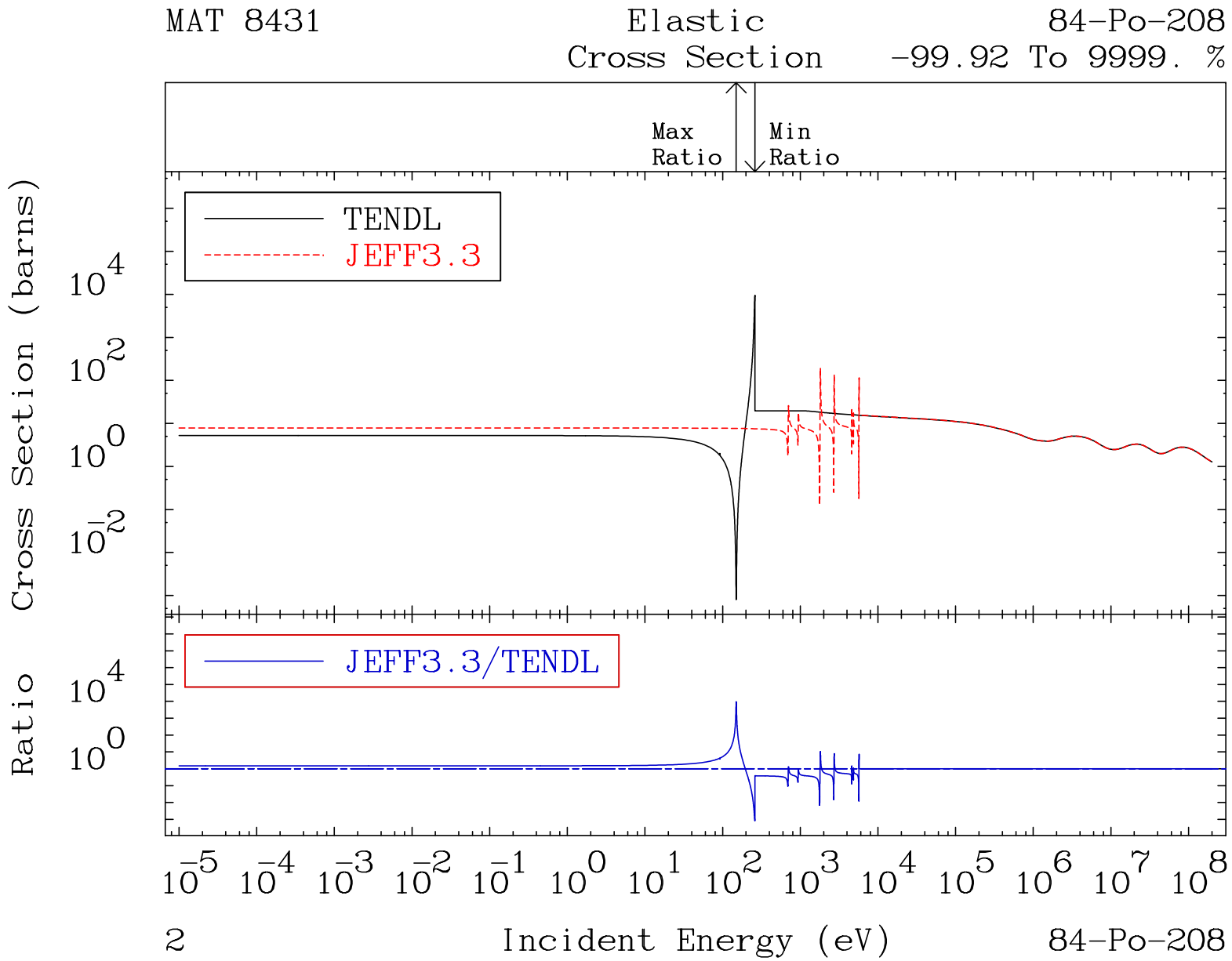
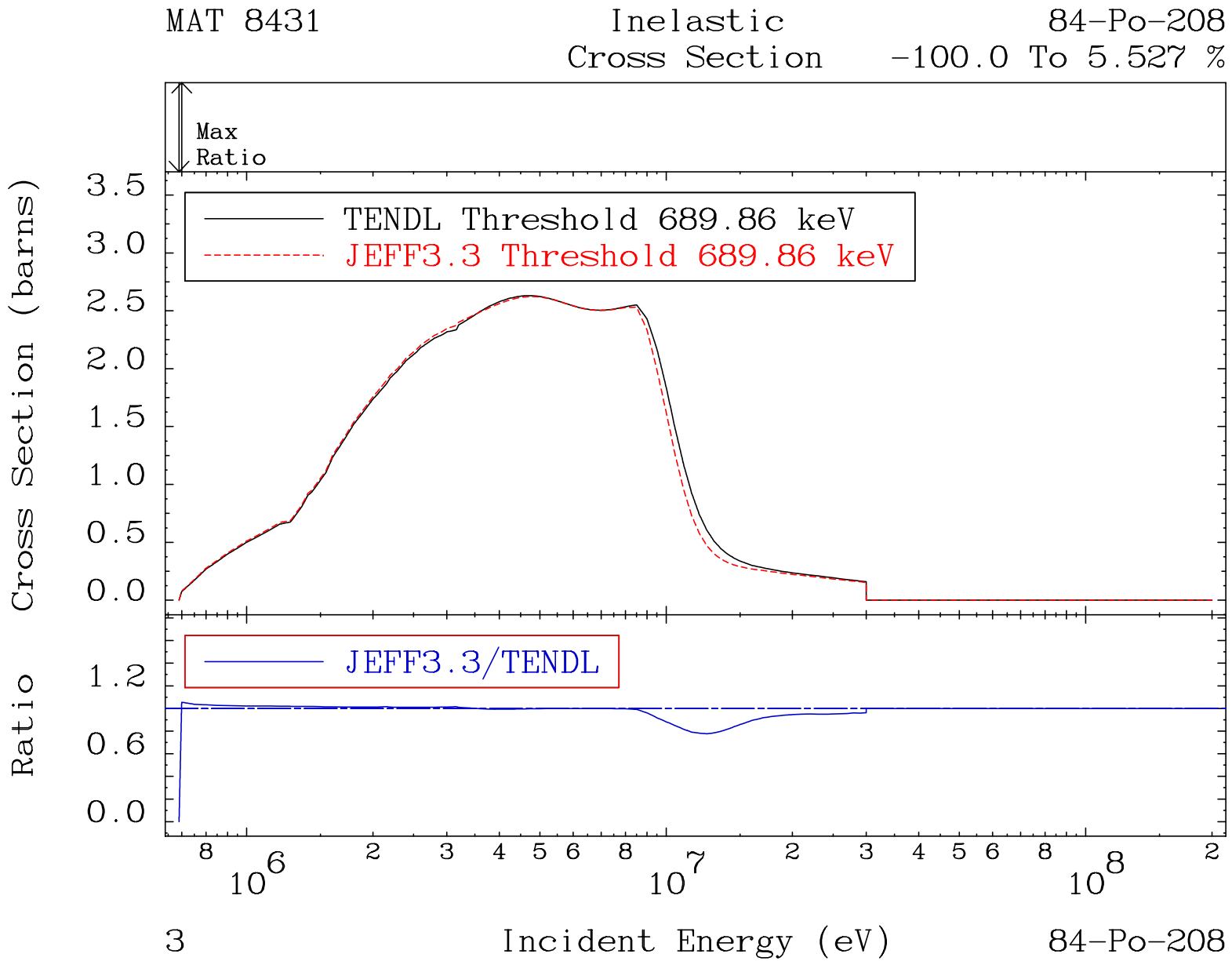
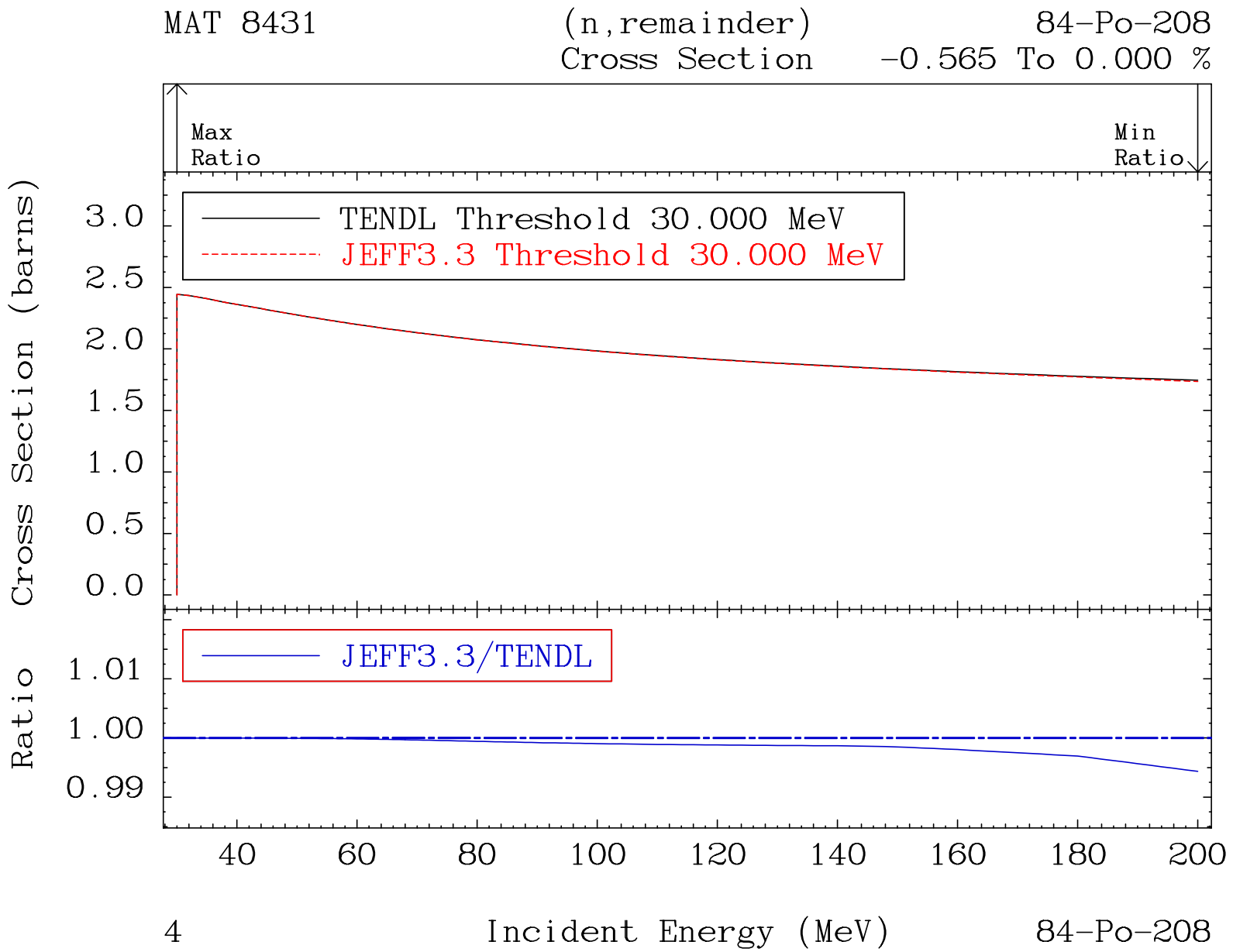
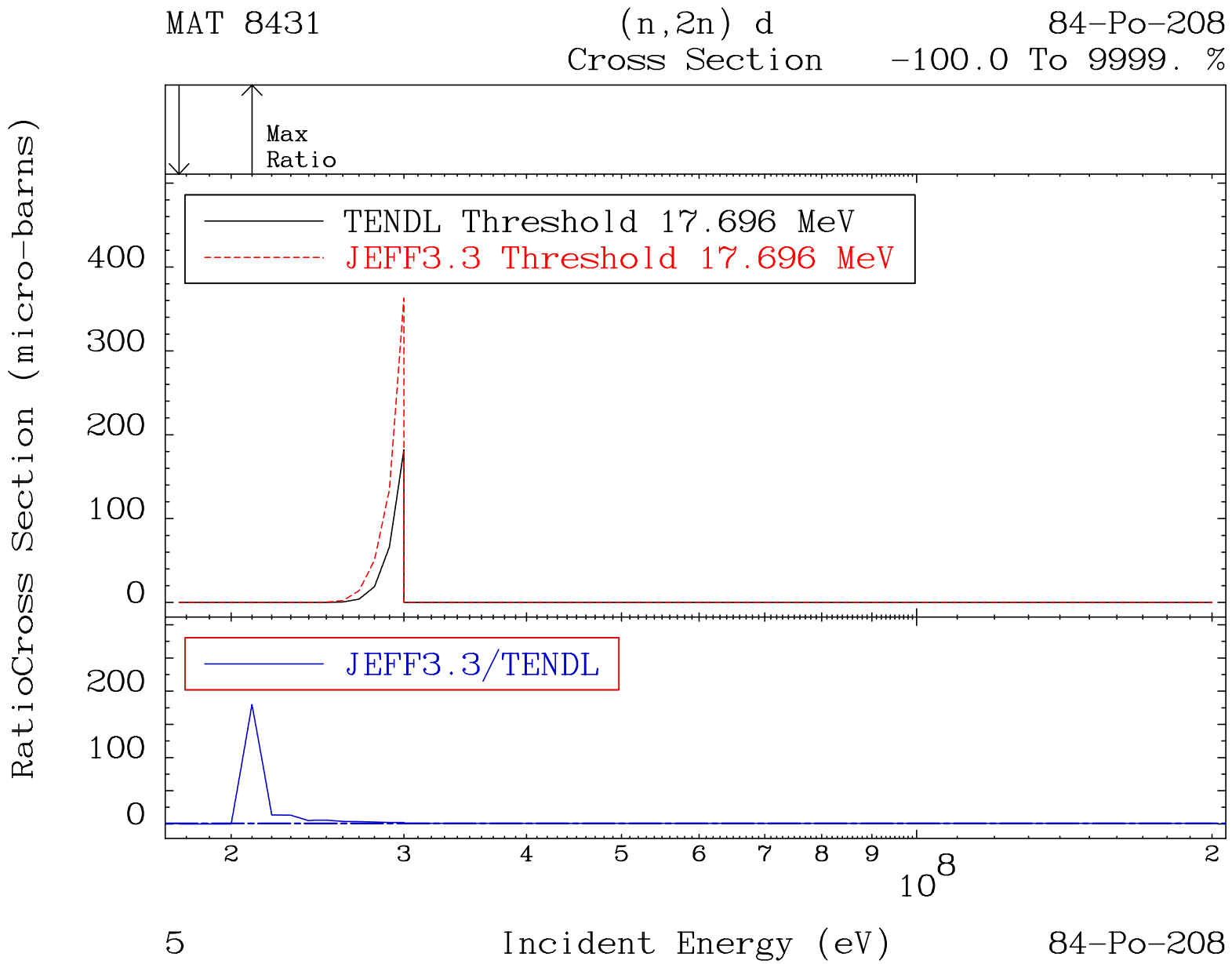
Press Mouse Button to Start

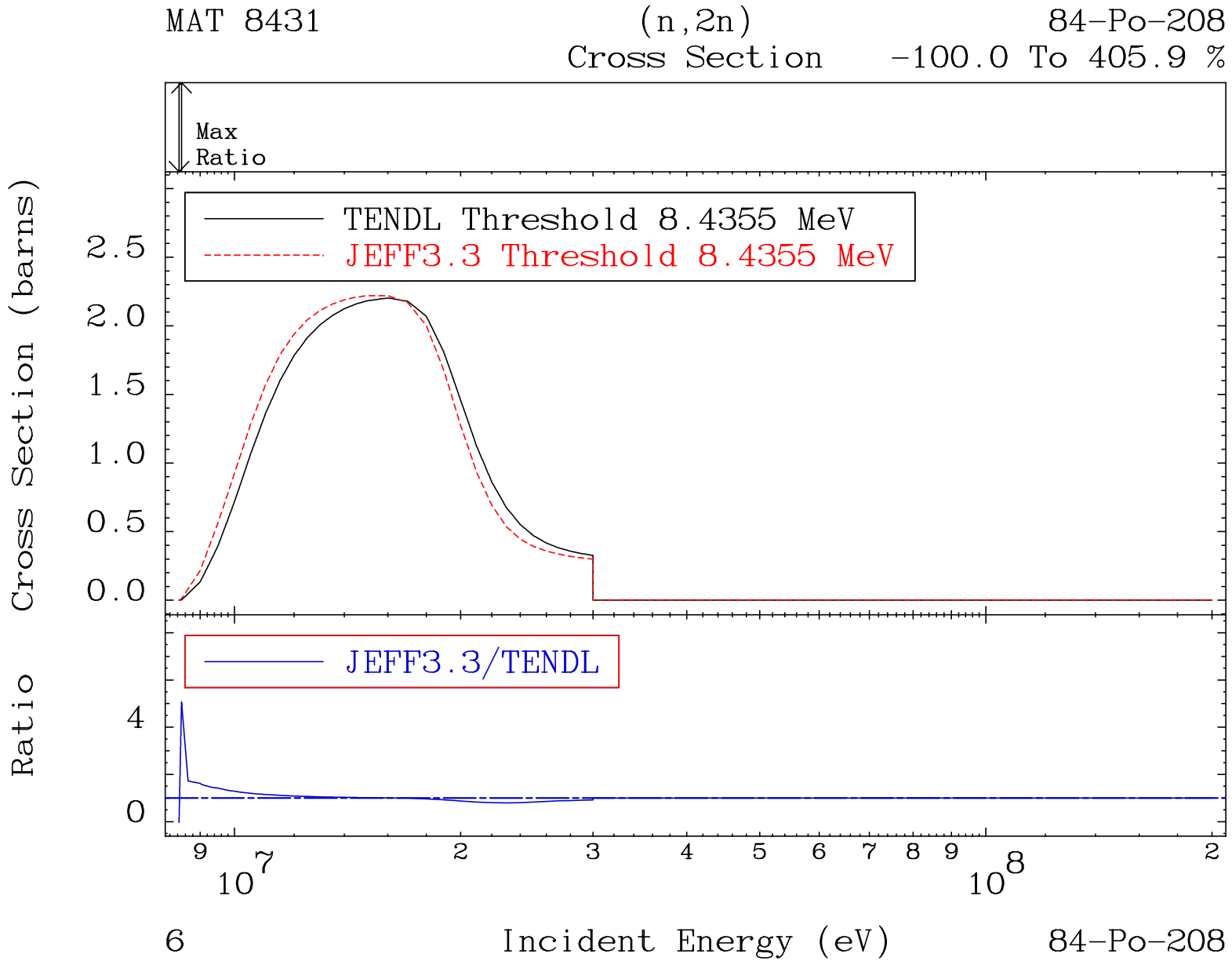

MAT 8431
Total
Cross Section
84-Po-208
-99.92 To 2688. %
Min
Ratio
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
84-Po-208

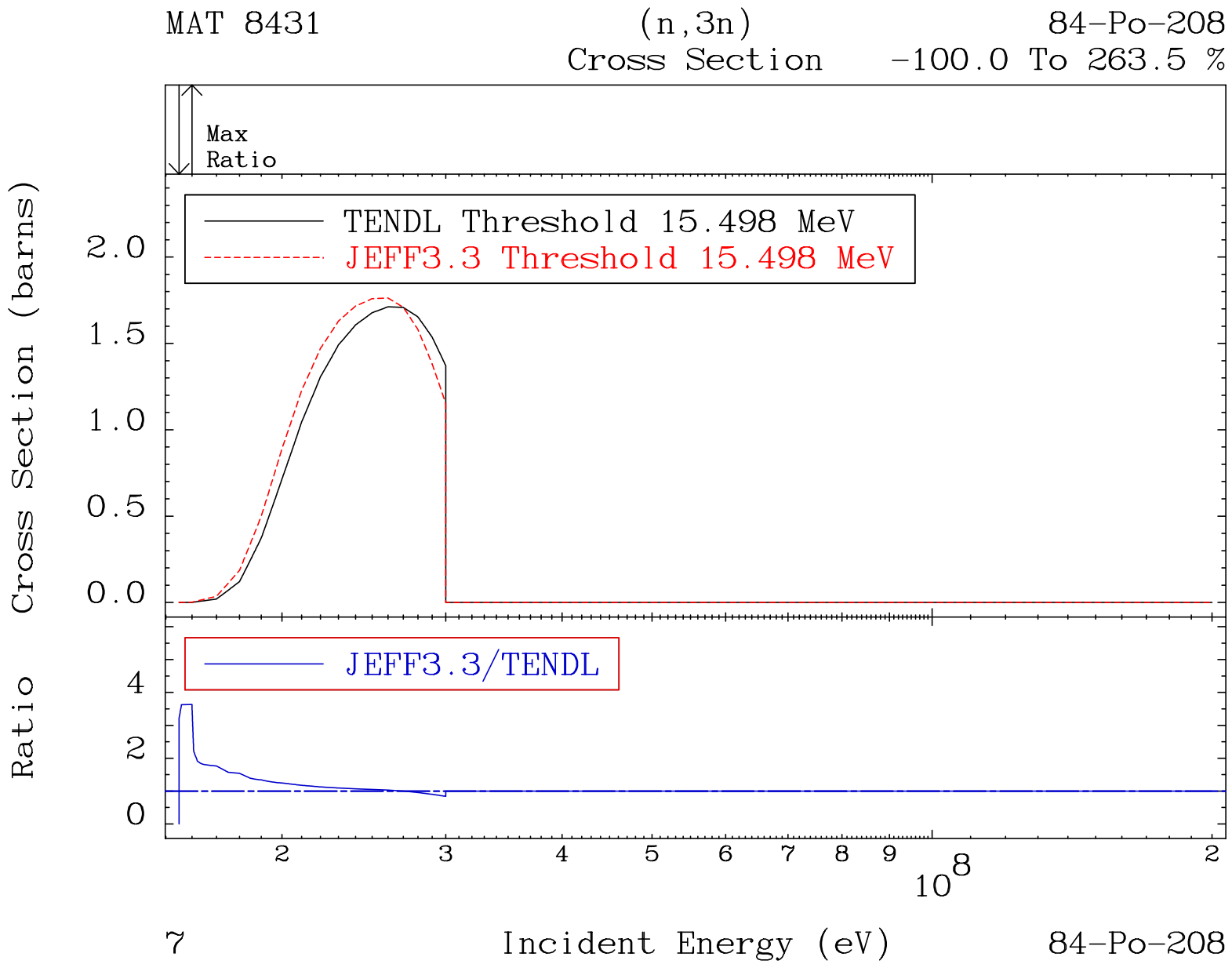

MAT 8431
Elastic
Cross Section
84-Po-208
-99.92 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
84-Po-208

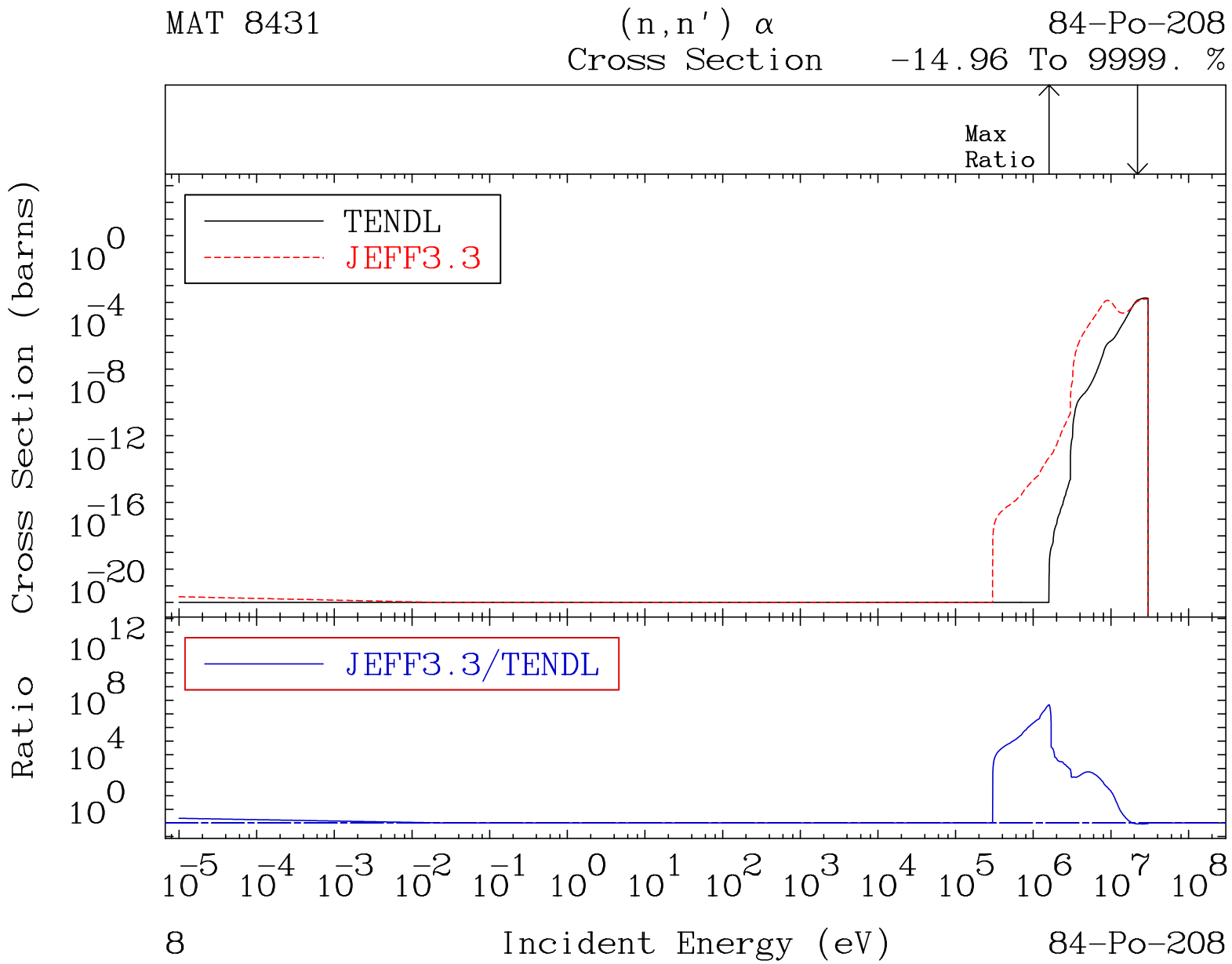

MAT 8431
Inelastic
Cross Section
84-Po-208
-100.0 To 5.527 %
Max
Ratio
TENDL Threshold 689.86 keV
JEFF3.3 Threshold 689.86 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
84-Po-208

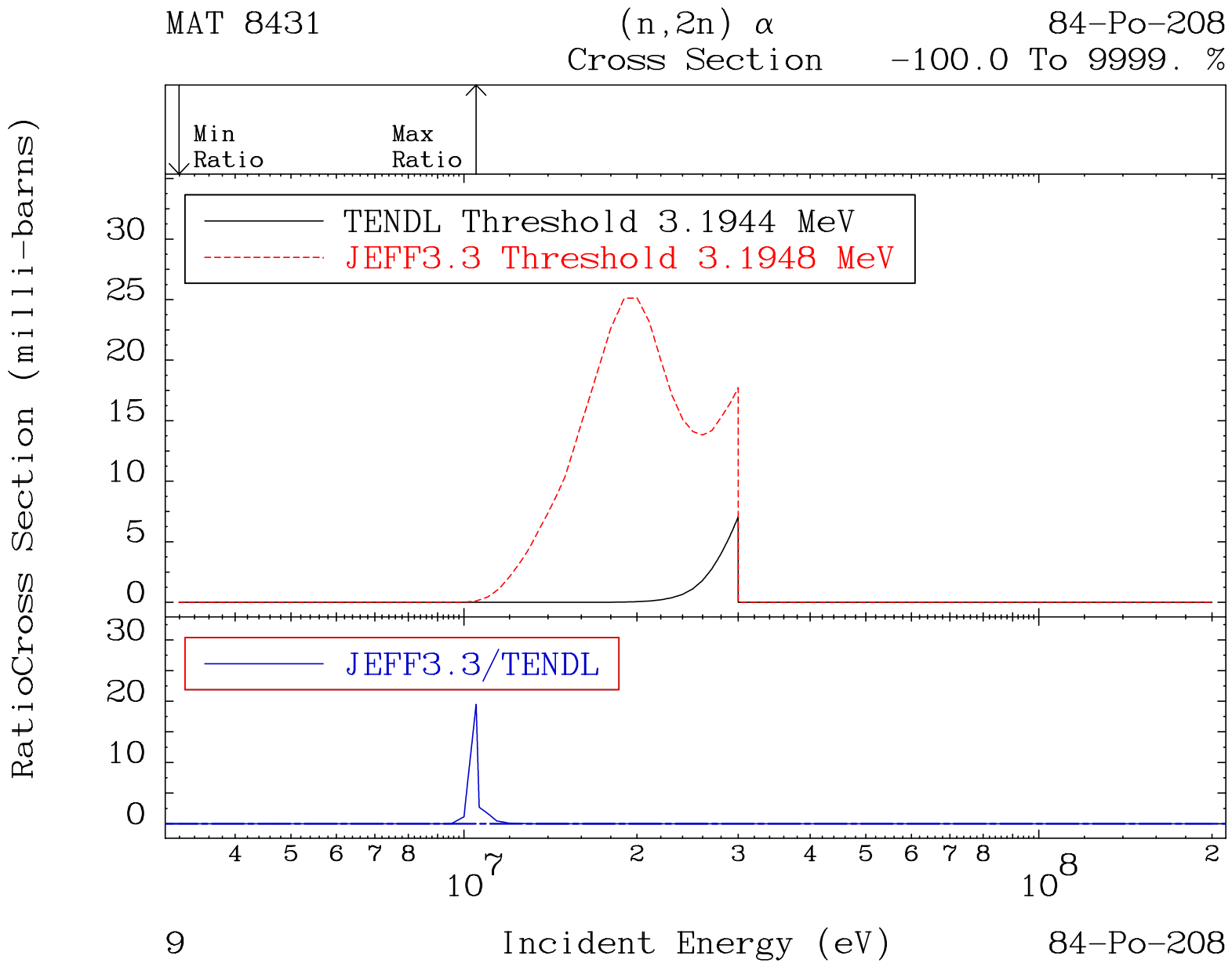

MAT 8431
(n,remainder)
Cross Section
84-Po-208
-0.565 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 30.000 MeV
JEFF3.3 Threshold 30.000 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.01
1.00
0.99
40
60
80
100
120
140
160
180
200
Incident Energy (MeV)
4
84-Po-208

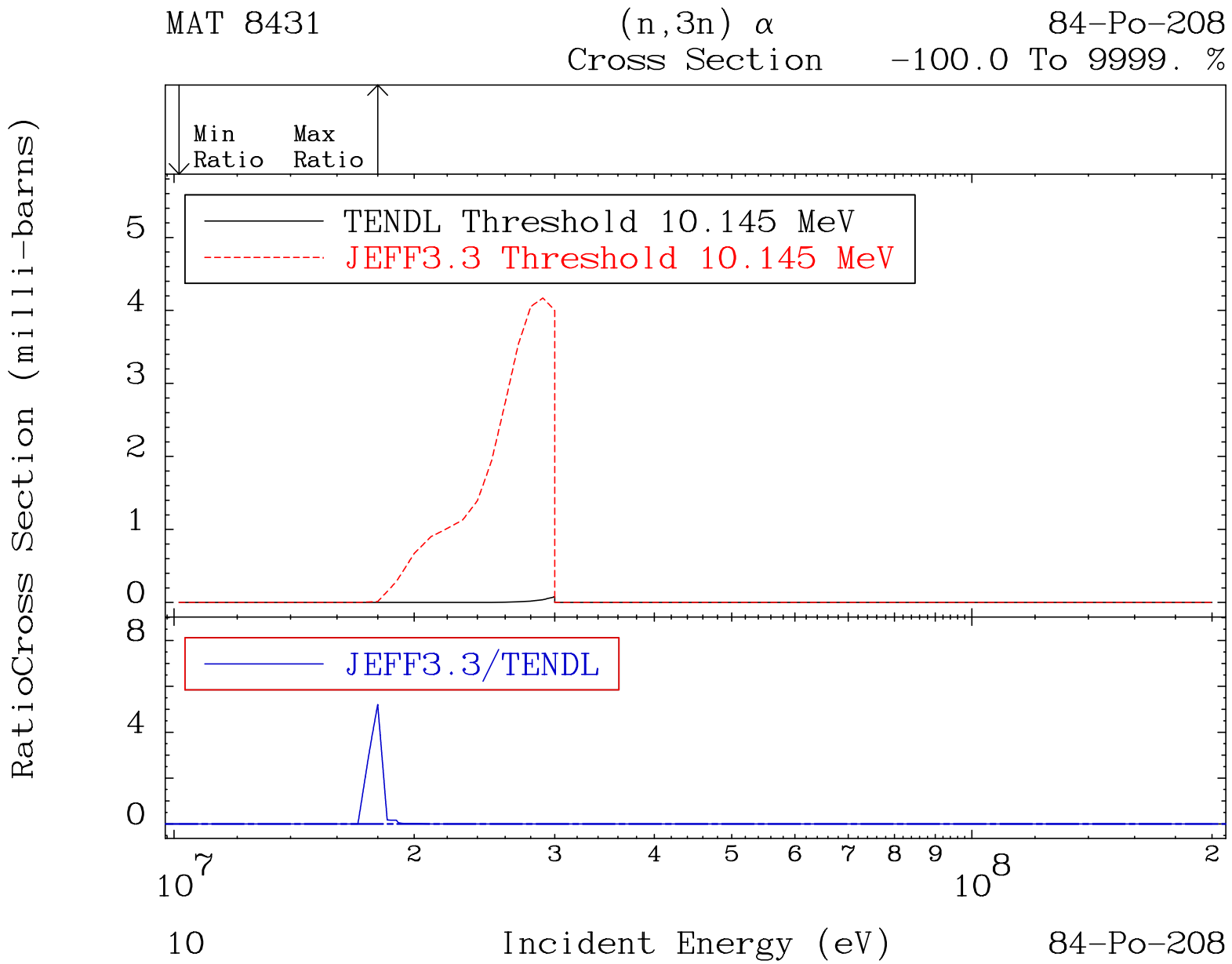

MAT 8431
(n,2n) d
84-Po-208
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 17.696 MeV
JEFF3.3 Threshold 17.696 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
400
300
200
100
0
200
100
0
2
3
4
5
6
7
8
9
2
10^8
5
Incident Energy (eV)
84-Po-208

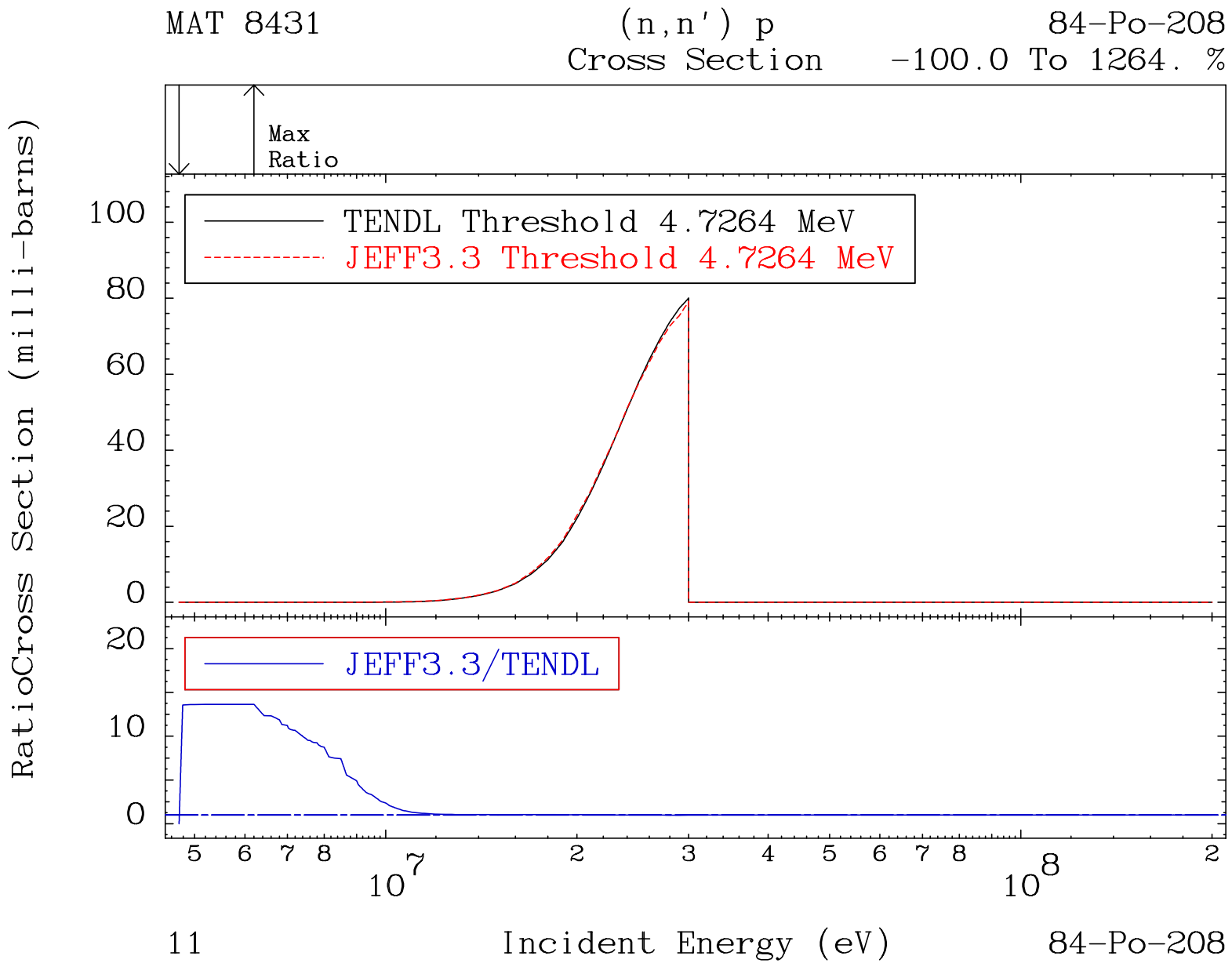

MAT 8431
(n,2n)
Cross Section
84-Po-208
-100.0 To 405.9 %
Max
Ratio
TENDL Threshold 8.4355 MeV
JEFF3.3 Threshold 8.4355 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
4
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
84-Po-208

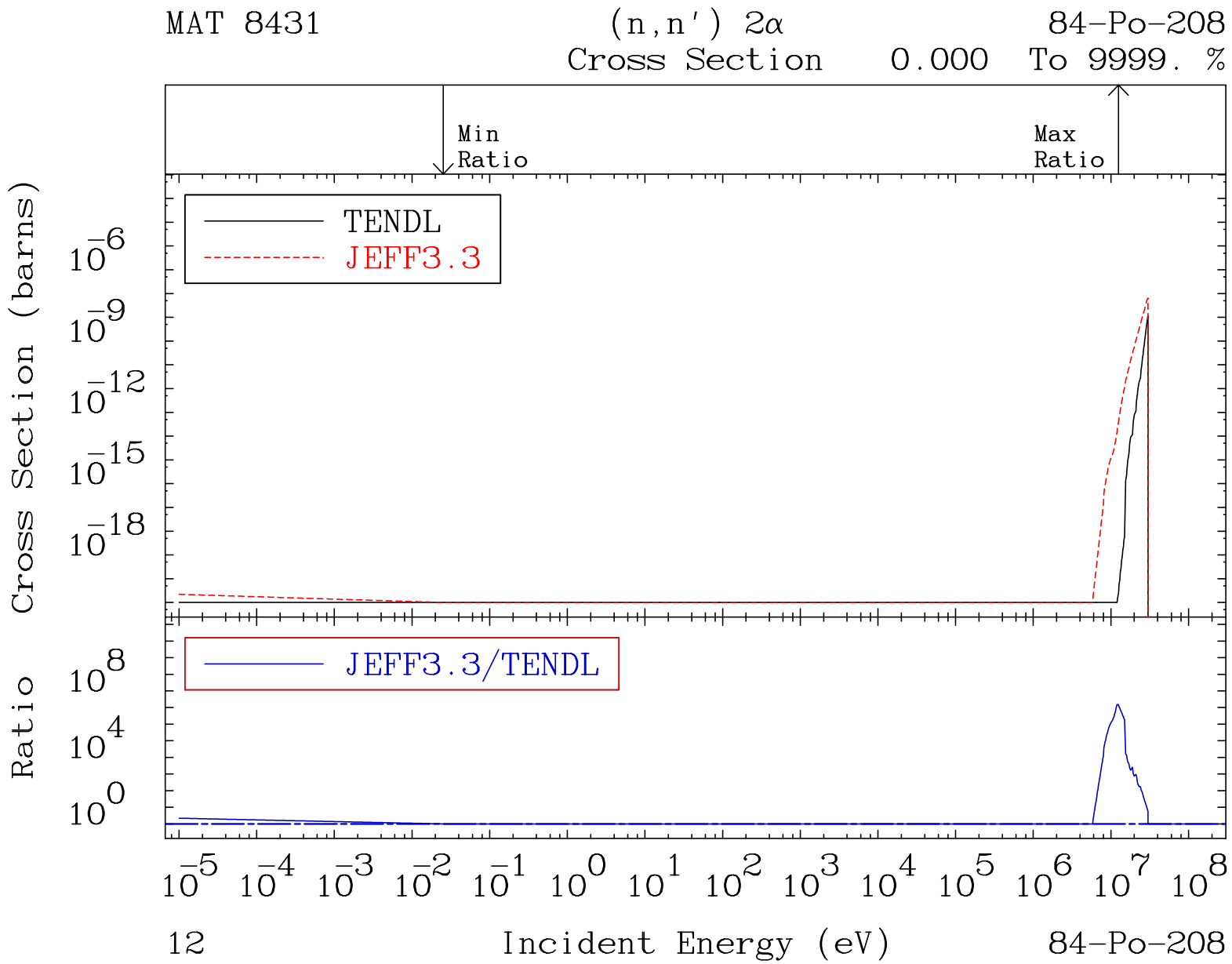

MAT 8431
(n,3n)
84-Po-208
Cross Section
-100.0 To 263.5 %
Max
Ratio
TENDL Threshold 15.498 MeV
JEFF3.3 Threshold 15.498 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
84-Po-208

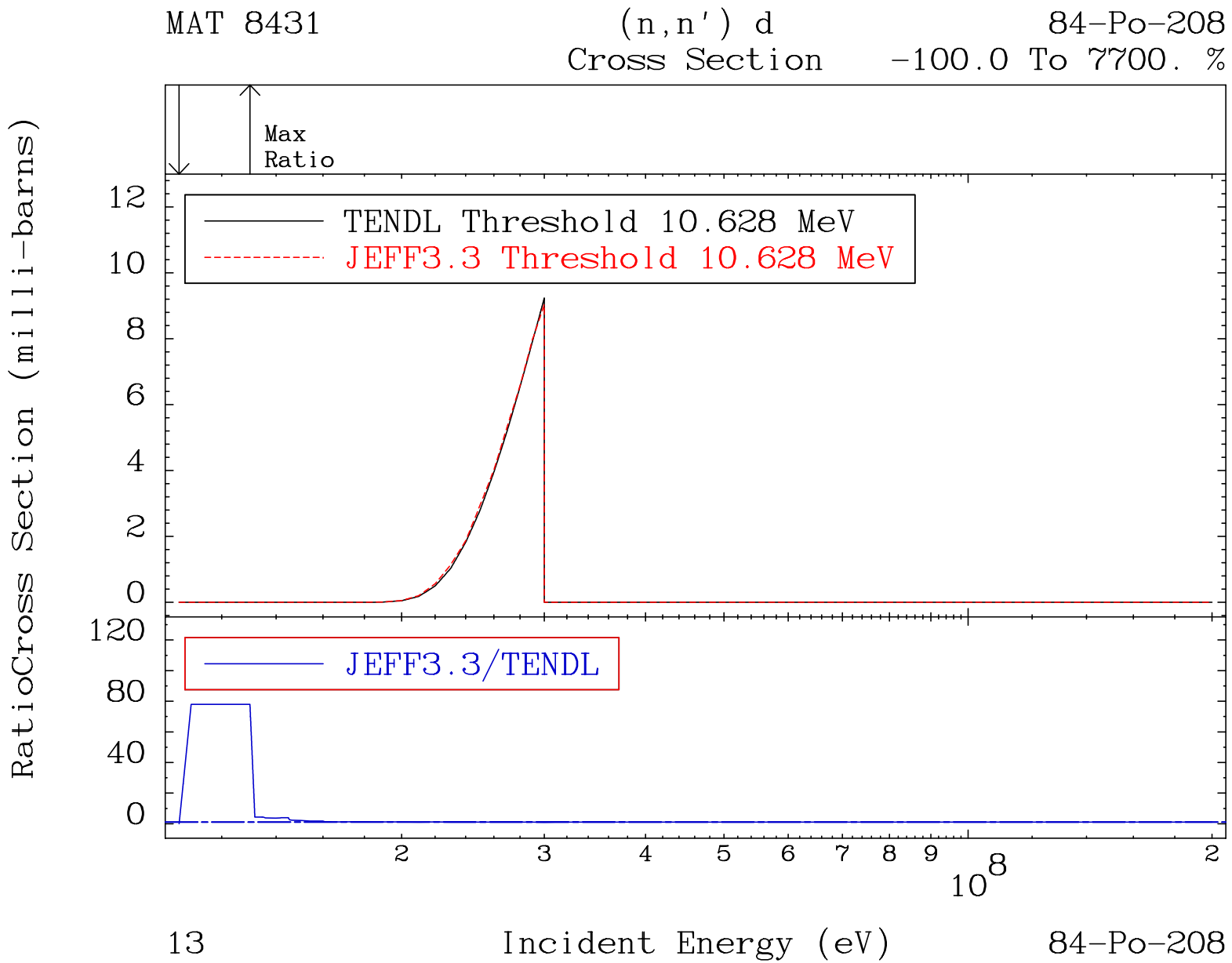

MAT 8431
(n,n') α
84-Po-208
Cross Section
-14.96 To 9999. %
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
8
84-Po-208

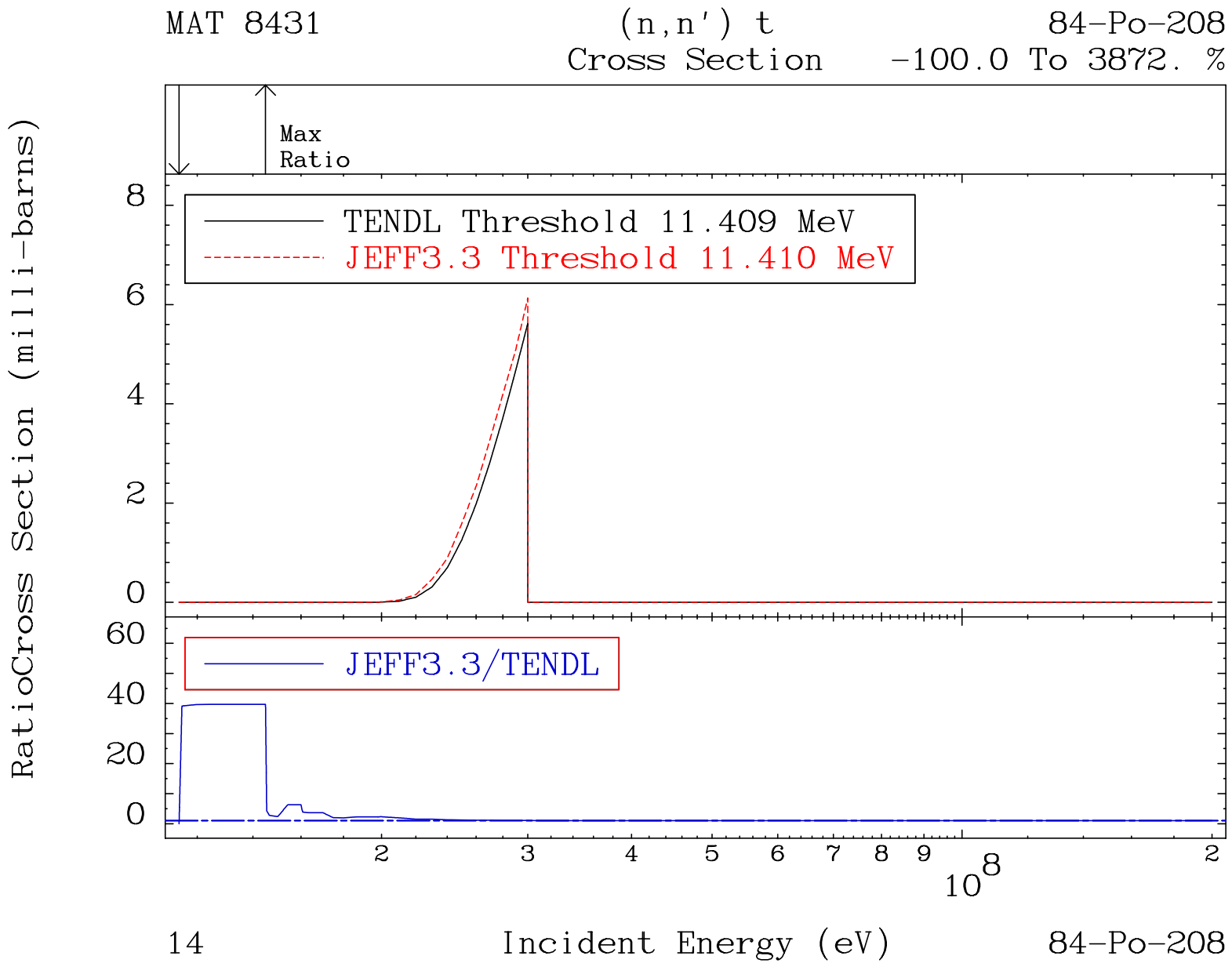

MAT 8431
(n,2n) α
84-Po-208
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.1944 MeV
JEFF3.3 Threshold 3.1948 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
9
Incident Energy (eV)
84-Po-208

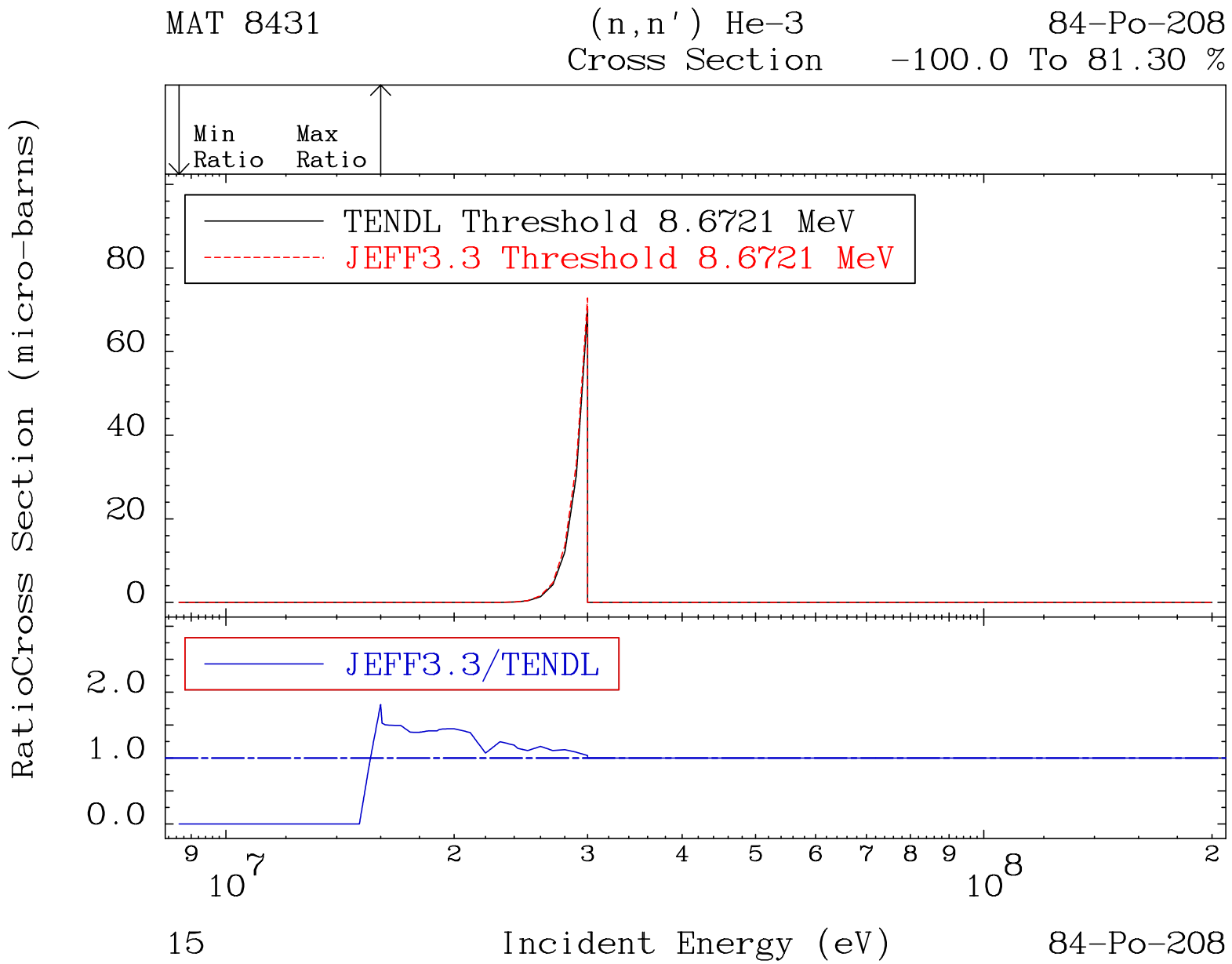

MAT 8431
(n,3n) α
84-Po-208
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 10.145 MeV
JEFF3.3 Threshold 10.145 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
84-Po-208

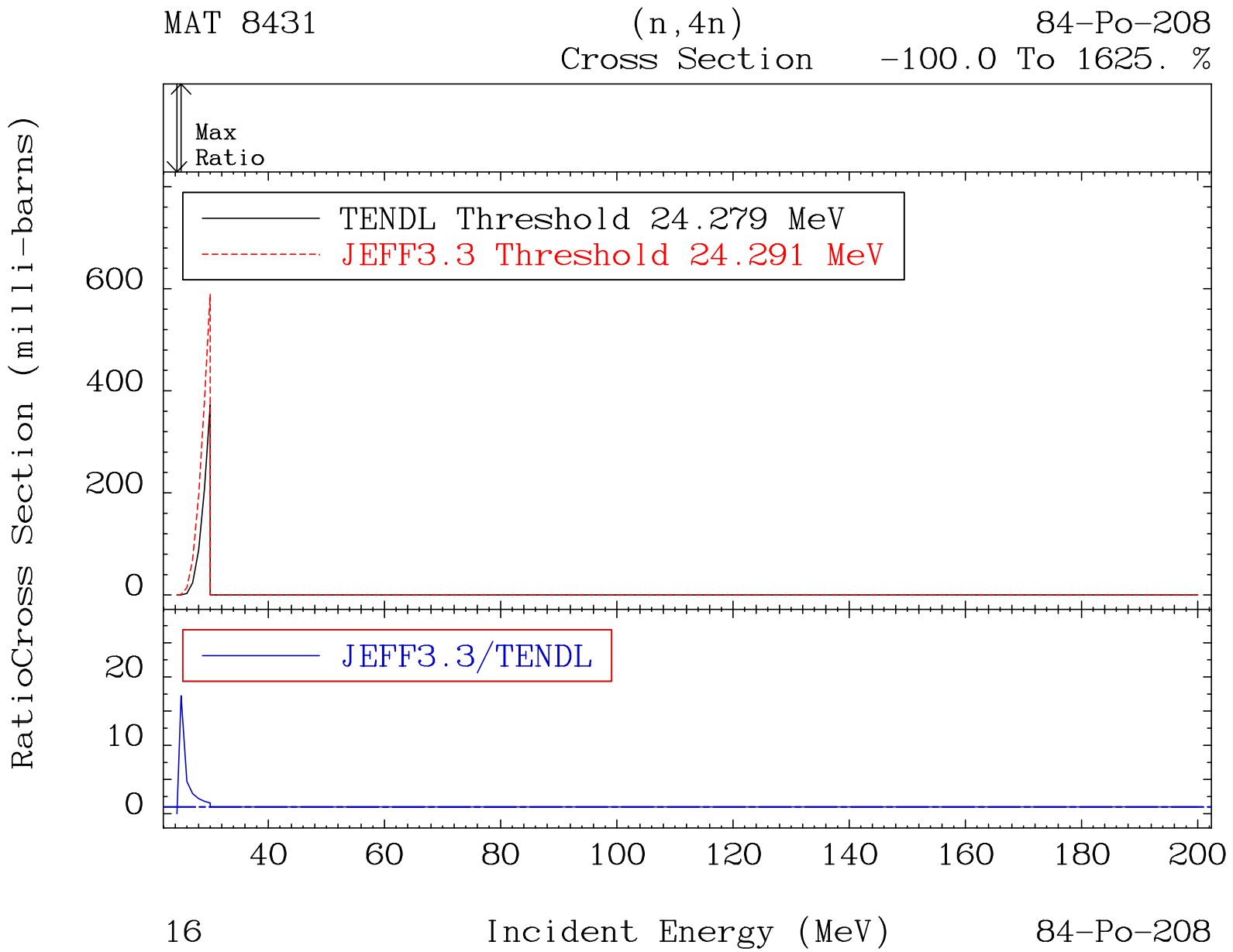

MAT 8431
(n,n') p
Cross Section
84-Po-208
-100.0 To 1264. %
Max
Ratio
TENDL Threshold 4.7264 MeV
JEFF3.3 Threshold 4.7264 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
20
10
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
11
Incident Energy (eV)
84-Po-208

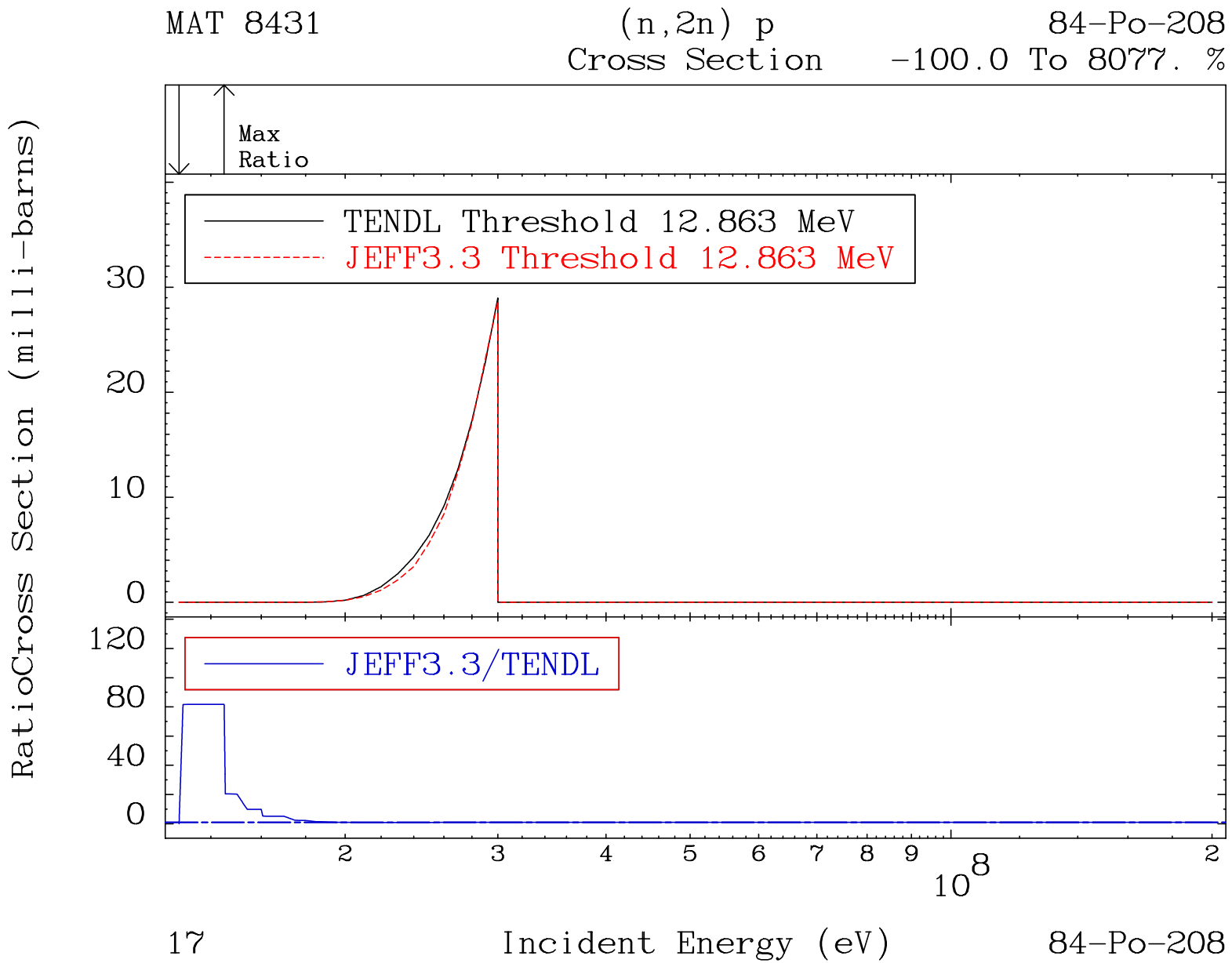

MAT 8431
(n,n') 2α
84-Po-208
Cross Section 0.000 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
12
84-Po-208

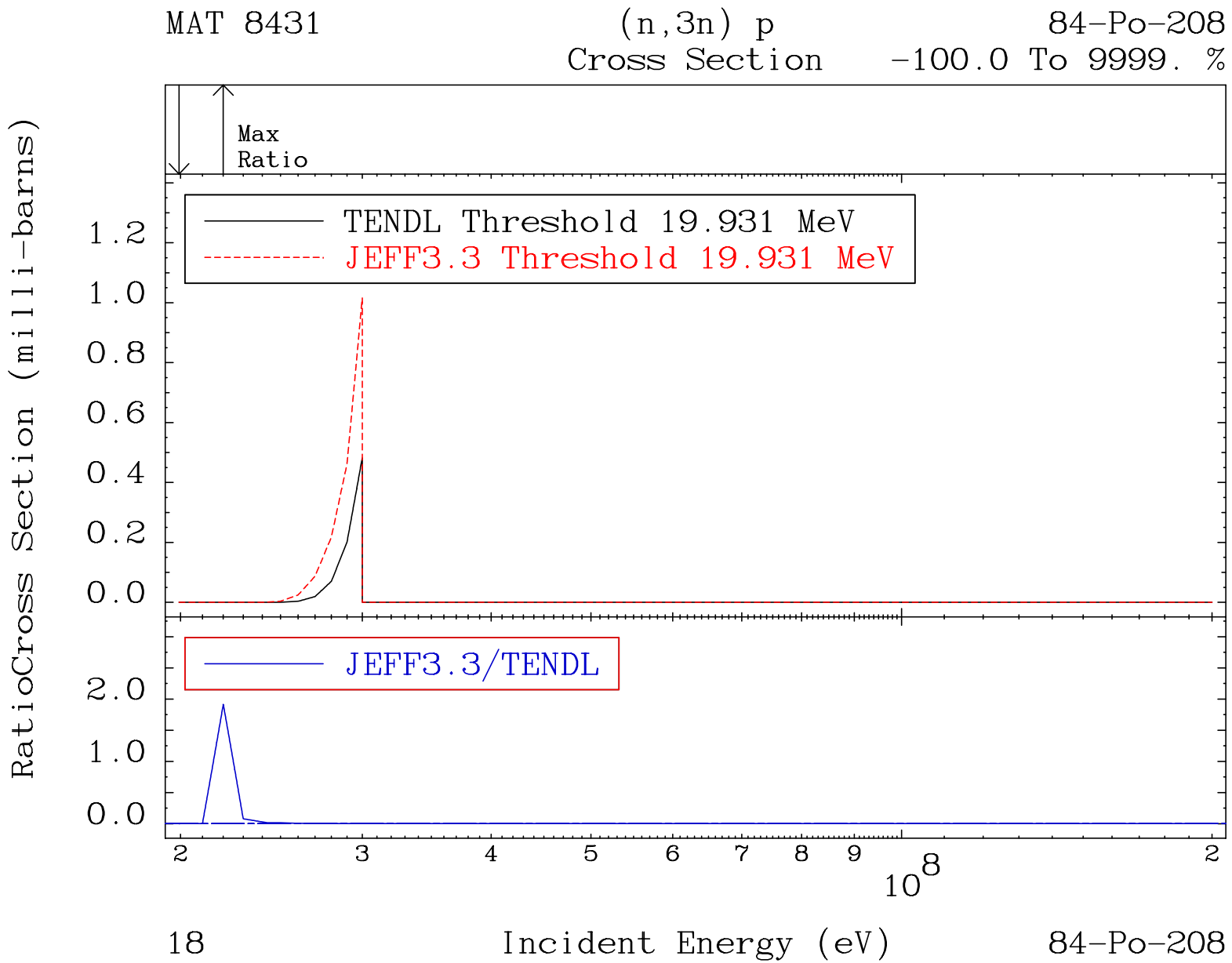

MAT 8431
(n,n') d
84-Po-208
Cross Section
-100.0 To 7700. %
Max
Ratio
TENDL Threshold 10.628 MeV
JEFF3.3 Threshold 10.628 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
120
80
40
0
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
84-Po-208

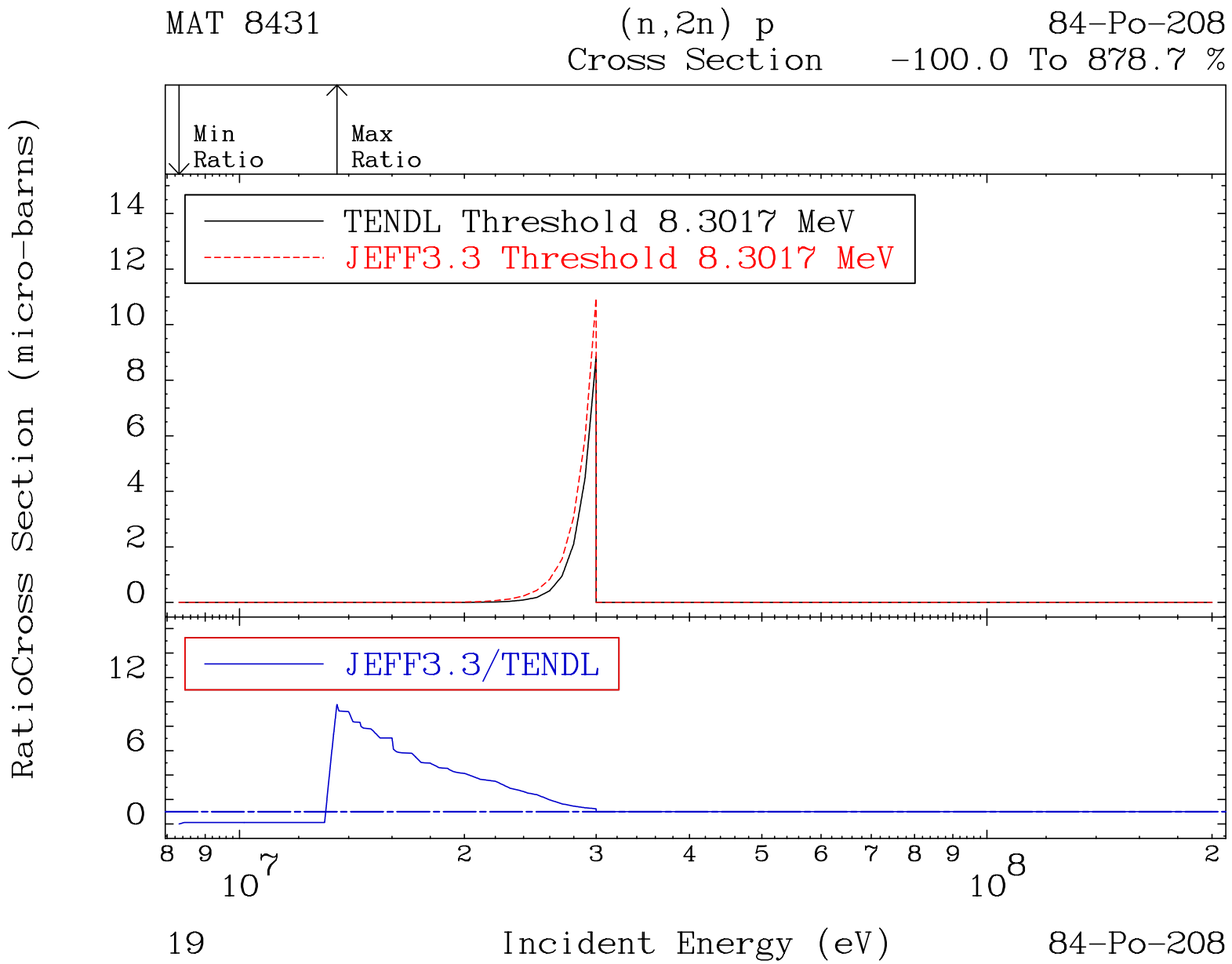

MAT 8431
(n,n') t
84-Po-208
Cross Section
-100.0 To 3872. %
Max
Ratio
TENDL Threshold 11.409 MeV
JEFF3.3 Threshold 11.410 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
8
6
4
2
0
60
40
20
0
2
3
4
5
6
7
8
9
10^8
2
14
Incident Energy (eV)
84-Po-208

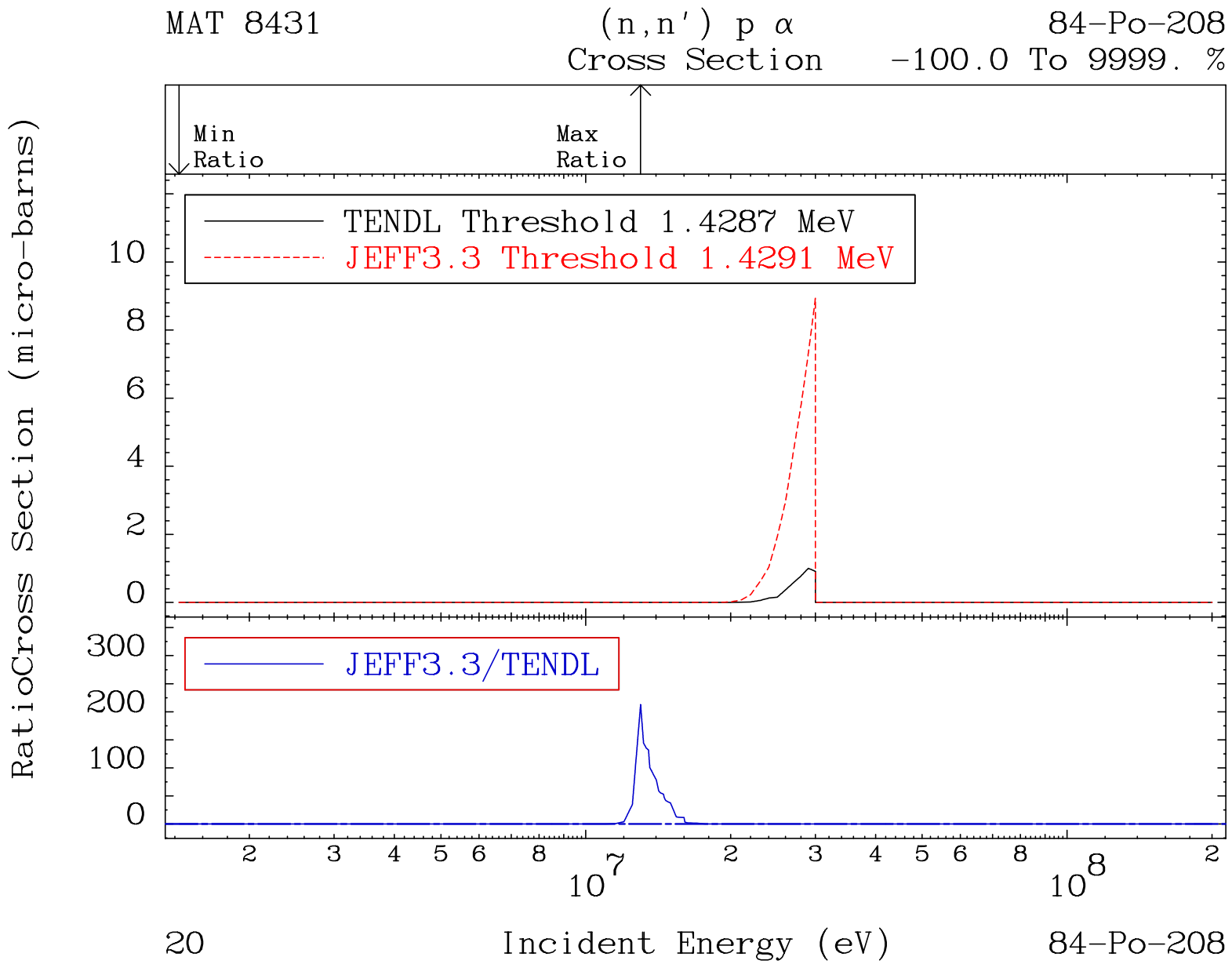

MAT 8431
(n,n') He-3
Cross Section
84-Po-208
-100.0 To 81.30 %
Min Ratio
Max Ratio
TENDL Threshold 8.6721 MeV
JEFF3.3 Threshold 8.6721 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
80
60
40
20
0
2.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
15
Incident Energy (eV)
84-Po-208

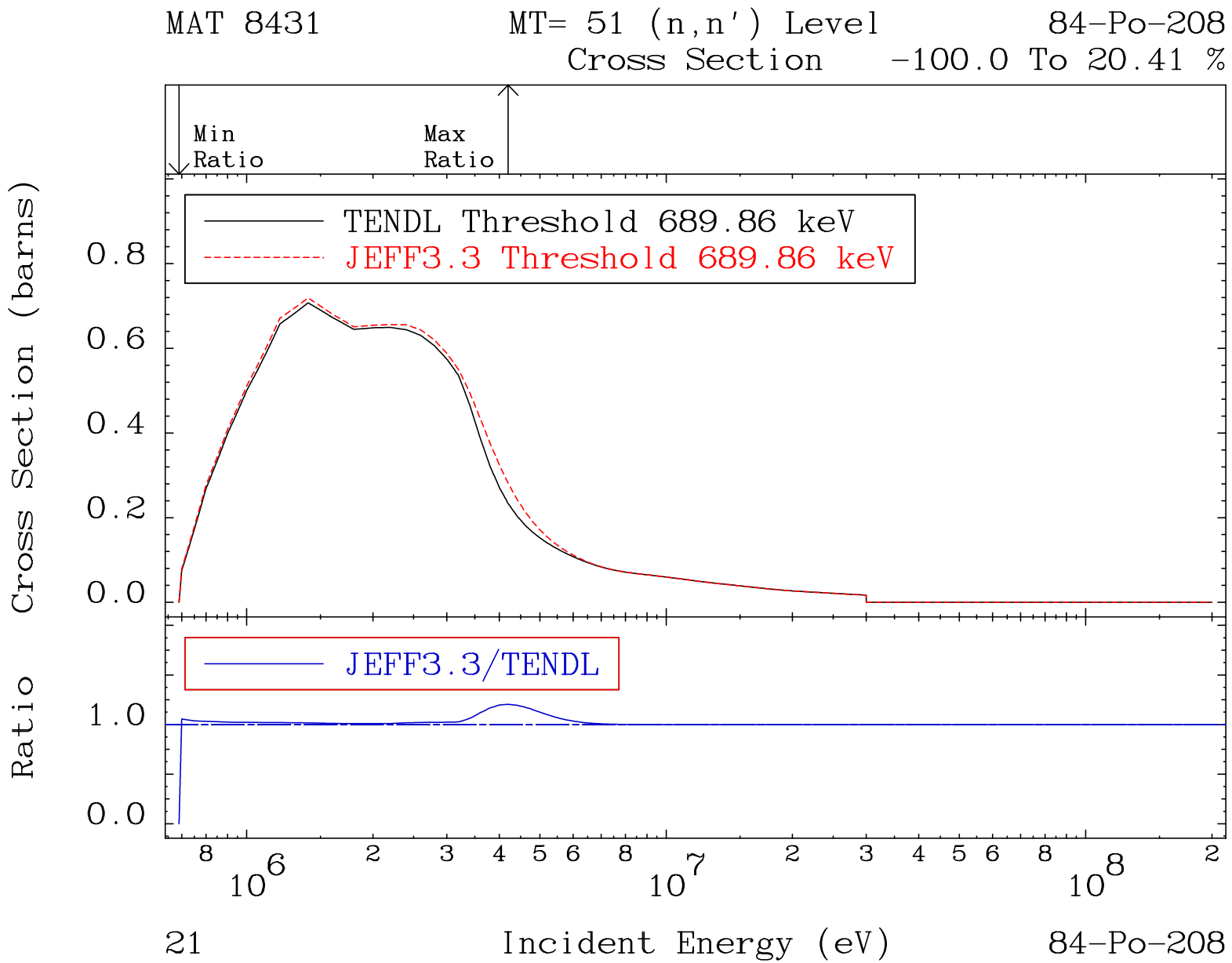

MAT 8431
(n,4n)
84-Po-208
Cross Section
-100.0 To 1625. %
Max
Ratio
TENDL Threshold 24.279 MeV
JEFF3.3 Threshold 24.291 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
600
400
200
0
20
10
0
40
60
80
100
120
140
160
180
200
16
Incident Energy (MeV)
84-Po-208

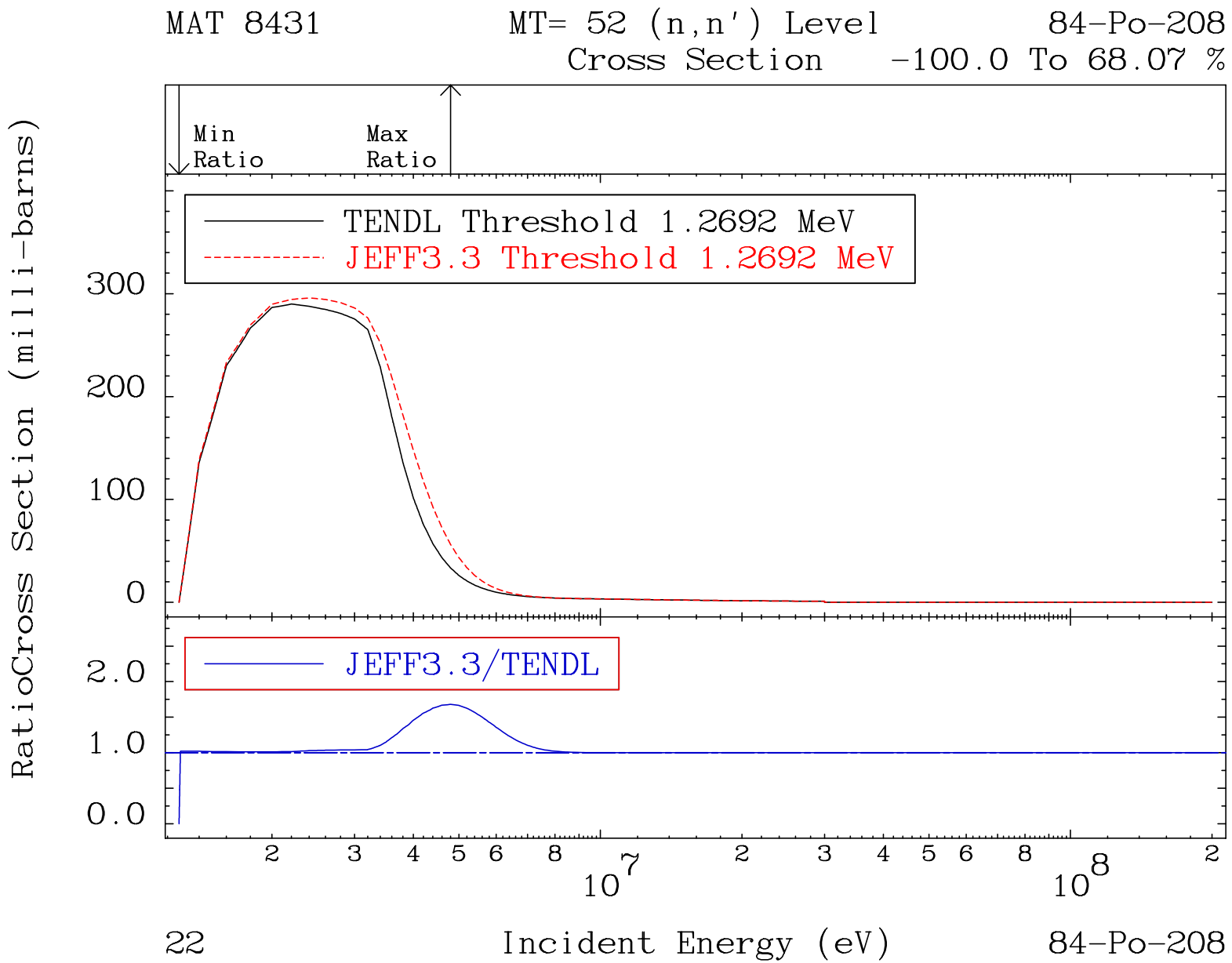

MAT 8431
(n,2n) p
Cross Section
84-Po-208
-100.0 To 8077. %
Max
Ratio
TENDL Threshold 12.863 MeV
JEFF3.3 Threshold 12.863 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
20
10
0
120
80
40
0
2
3
4
5
6
7
8
9
10^8
2
17
Incident Energy (eV)
84-Po-208

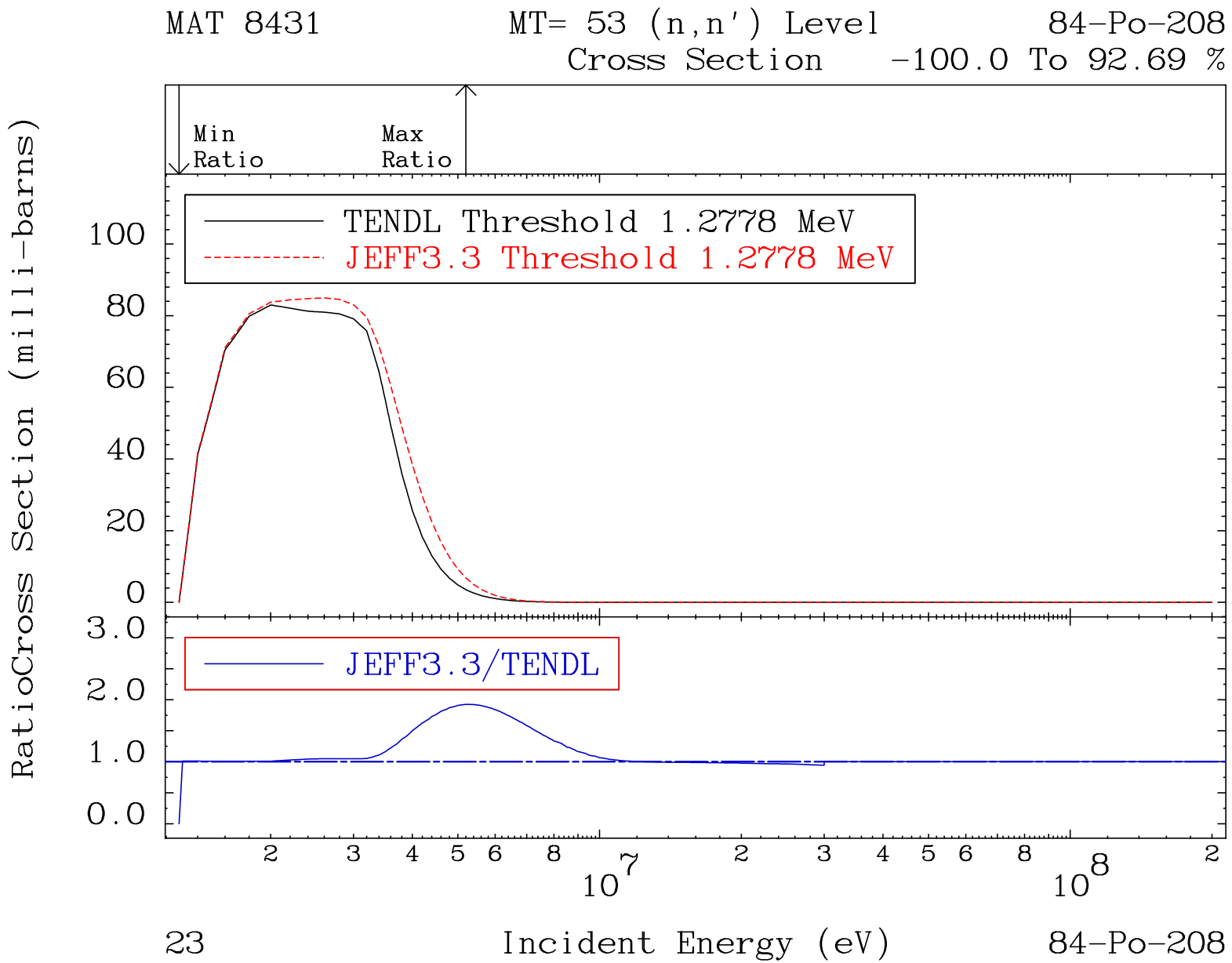

MAT 8431
(n,3n) p
Cross Section
84-Po-208
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 19.931 MeV
JEFF3.3 Threshold 19.931 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
18
Incident Energy (eV)
84-Po-208

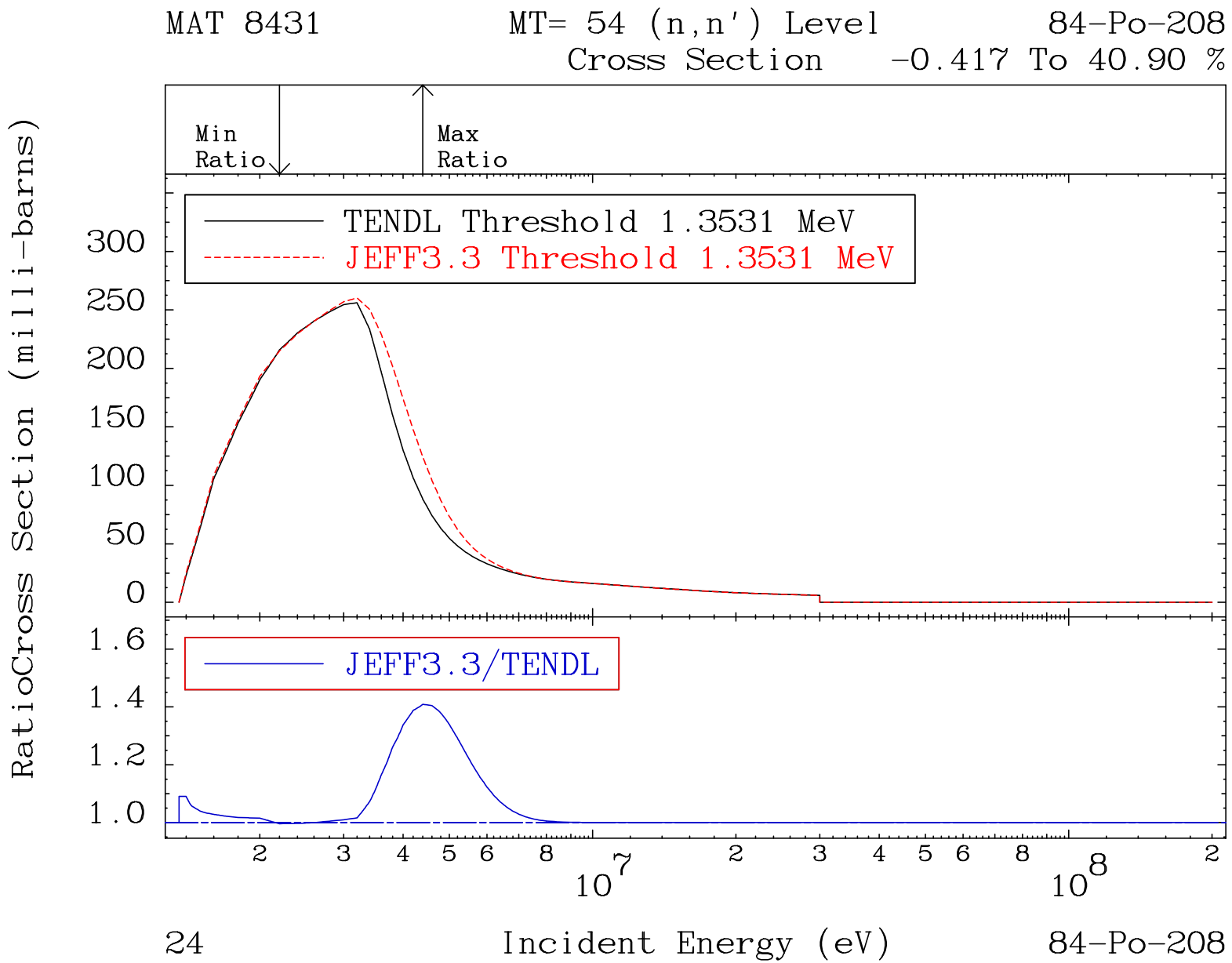

MAT 8431
(n,2n) p
Cross Section
84-Po-208
-100.0 To 878.7 %
Min Ratio
Max Ratio
TENDL Threshold 8.3017 MeV
JEFF3.3 Threshold 8.3017 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
19
84-Po-208

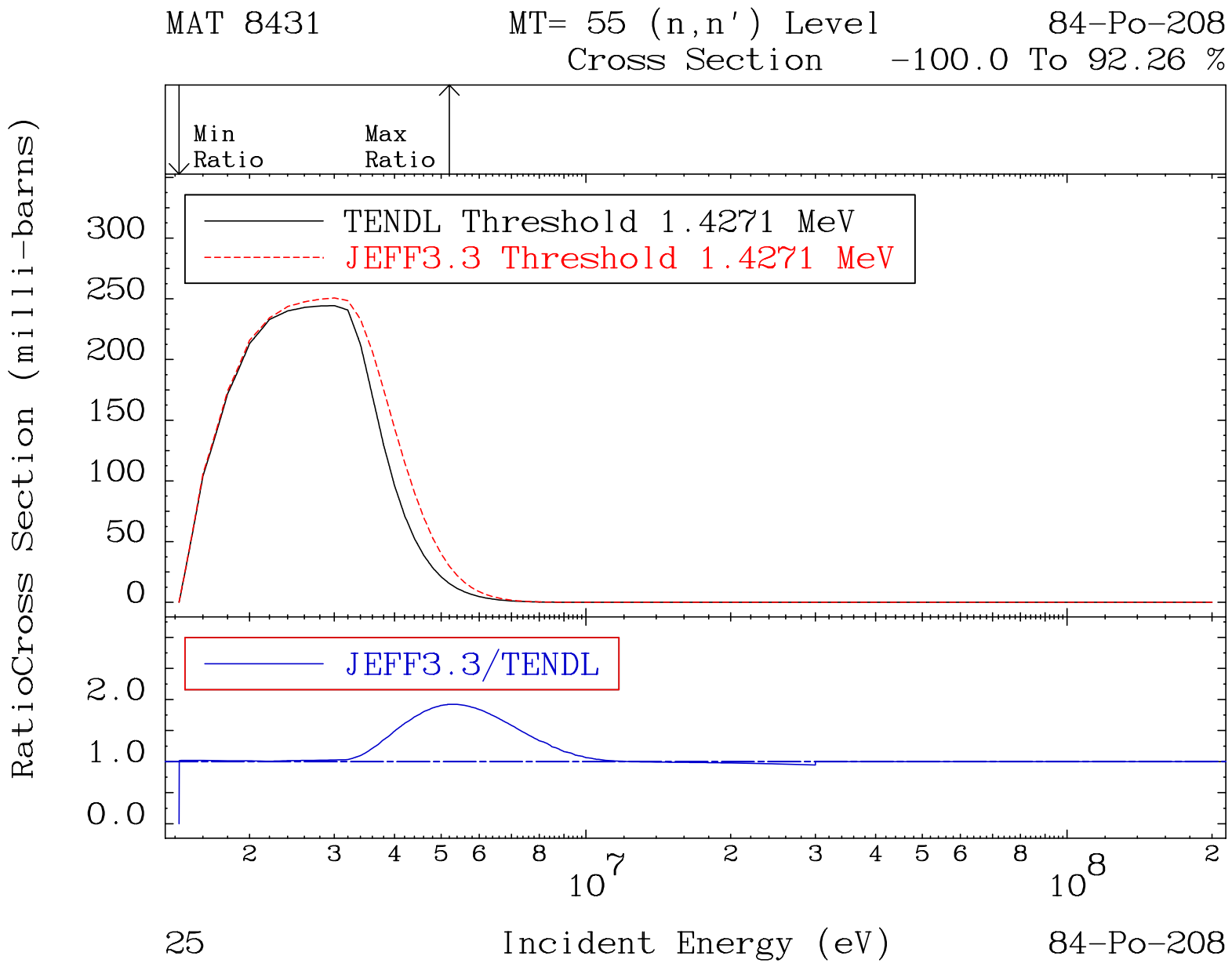

MAT 8431
(n,n') p α
84-Po-208
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.4287 MeV
JEFF3.3 Threshold 1.4291 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
10
8
6
4
2
0
300
200
100
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
20
Incident Energy (eV)
84-Po-208

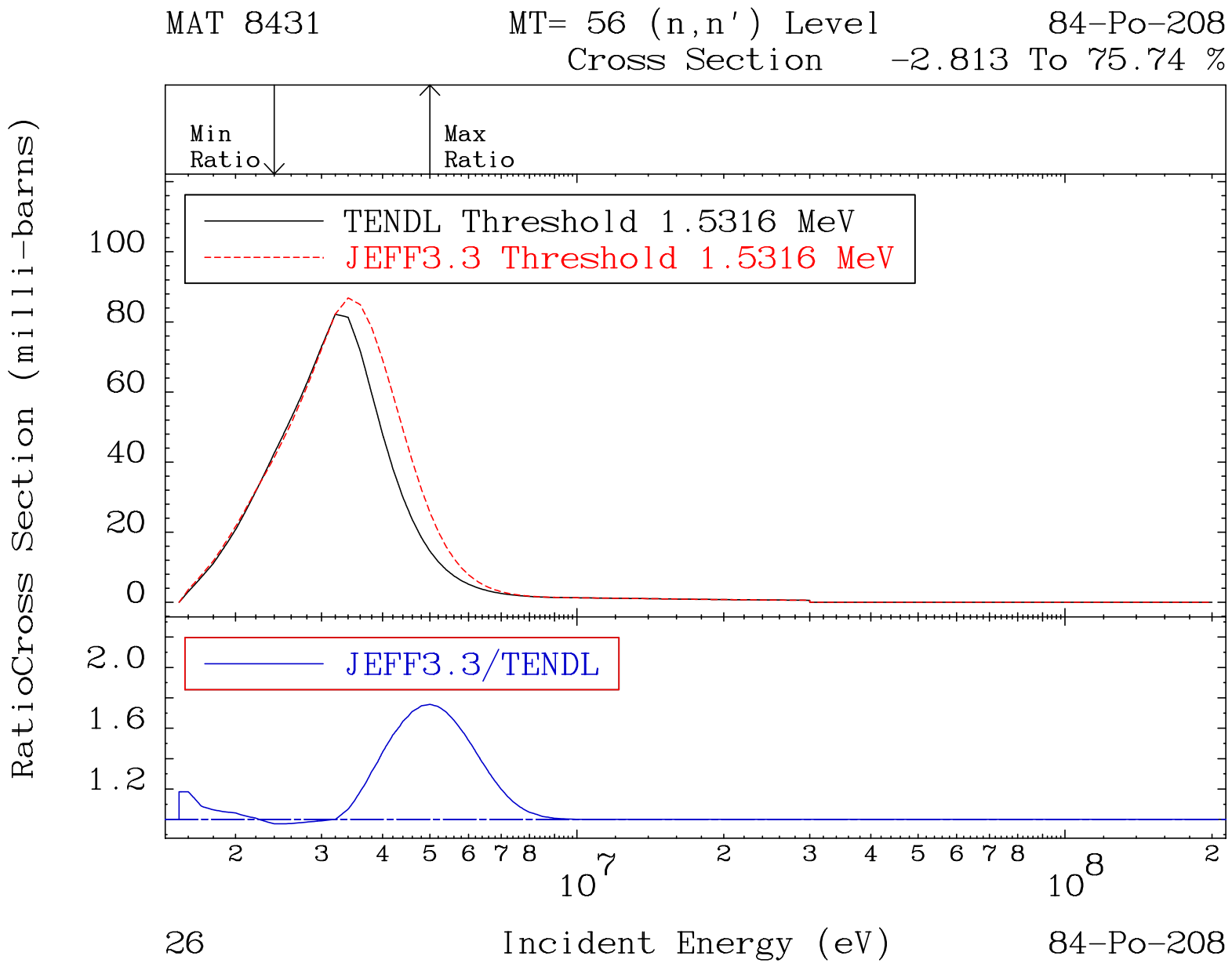

MAT 8431
MT= 51 (n,n') Level
84-Po-208
Cross Section -100.0 To 20.41 %
Min Ratio
Max Ratio
TENDL Threshold 689.86 keV
JEFF3.3 Threshold 689.86 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
0.0
0.2
0.4
0.6
0.8
1.0
8
2
3
4
5
6
8
2
3
4
5
6
8
2
10^6
10^7
10^8
21
Incident Energy (eV)
84-Po-208

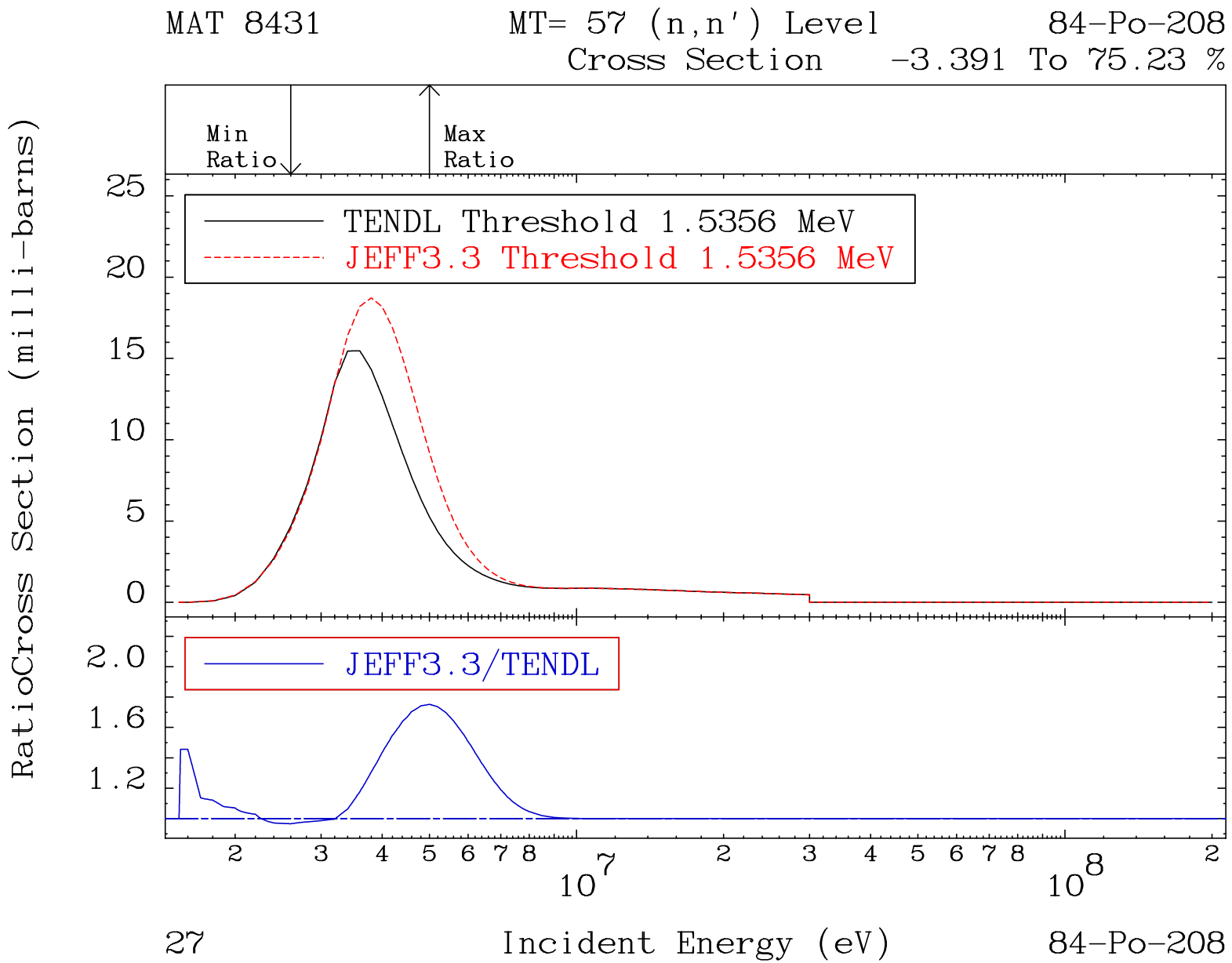

MAT 8431
MT= 52 (n,n') Level
84-Po-208
Cross Section
-100.0 To 68.07 %
Min Ratio
Max Ratio
TENDL Threshold 1.2692 MeV
JEFF3.3 Threshold 1.2692 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
200
100
0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
22
Incident Energy (eV)
84-Po-208

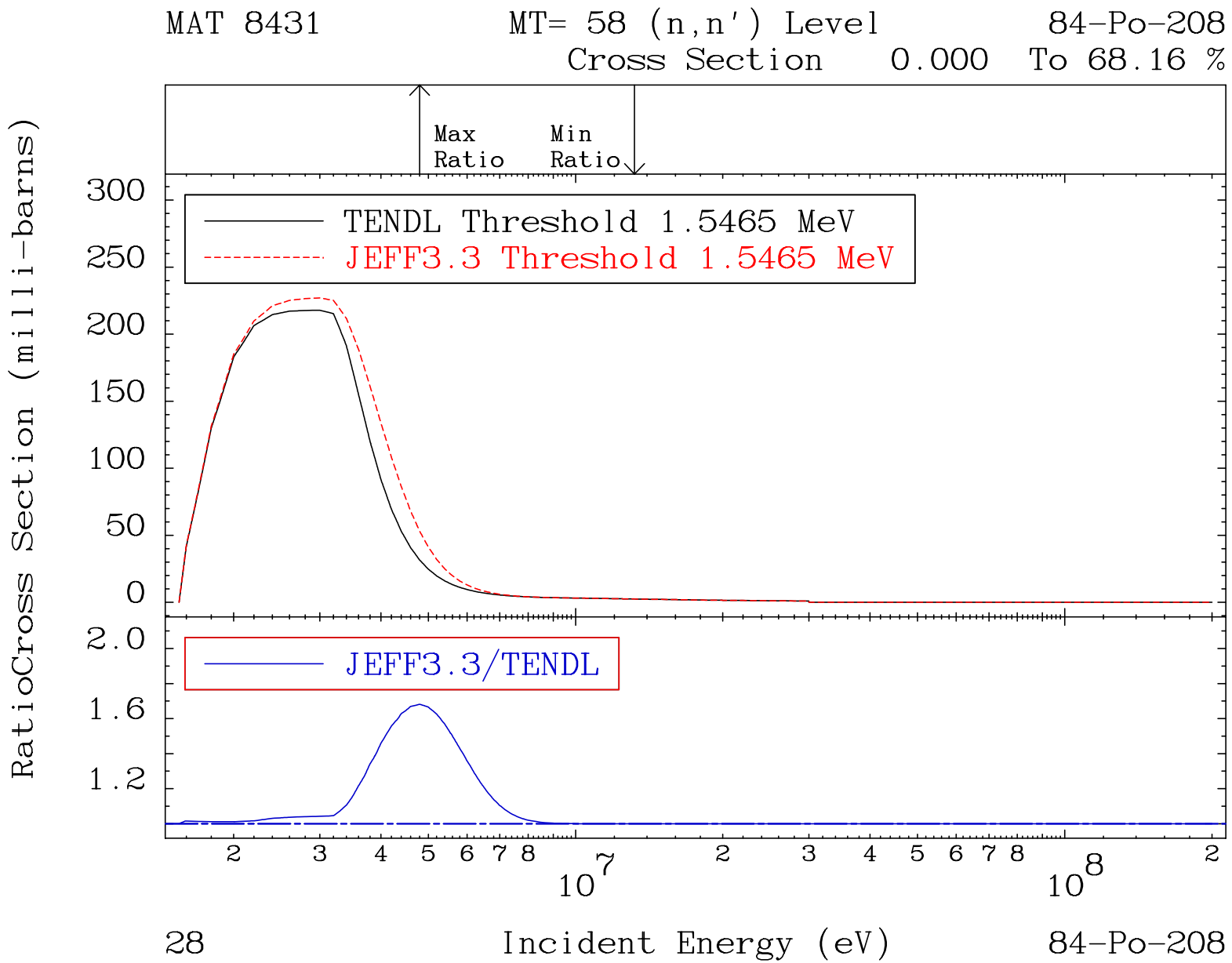

MAT 8431
MT= 53 (n,n') Level
84-Po-208
Cross Section -100.0 To 92.69 %
Min Ratio
Max Ratio
TENDL Threshold 1.2778 MeV
JEFF3.3 Threshold 1.2778 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
3.0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
23
Incident Energy (eV)
84-Po-208

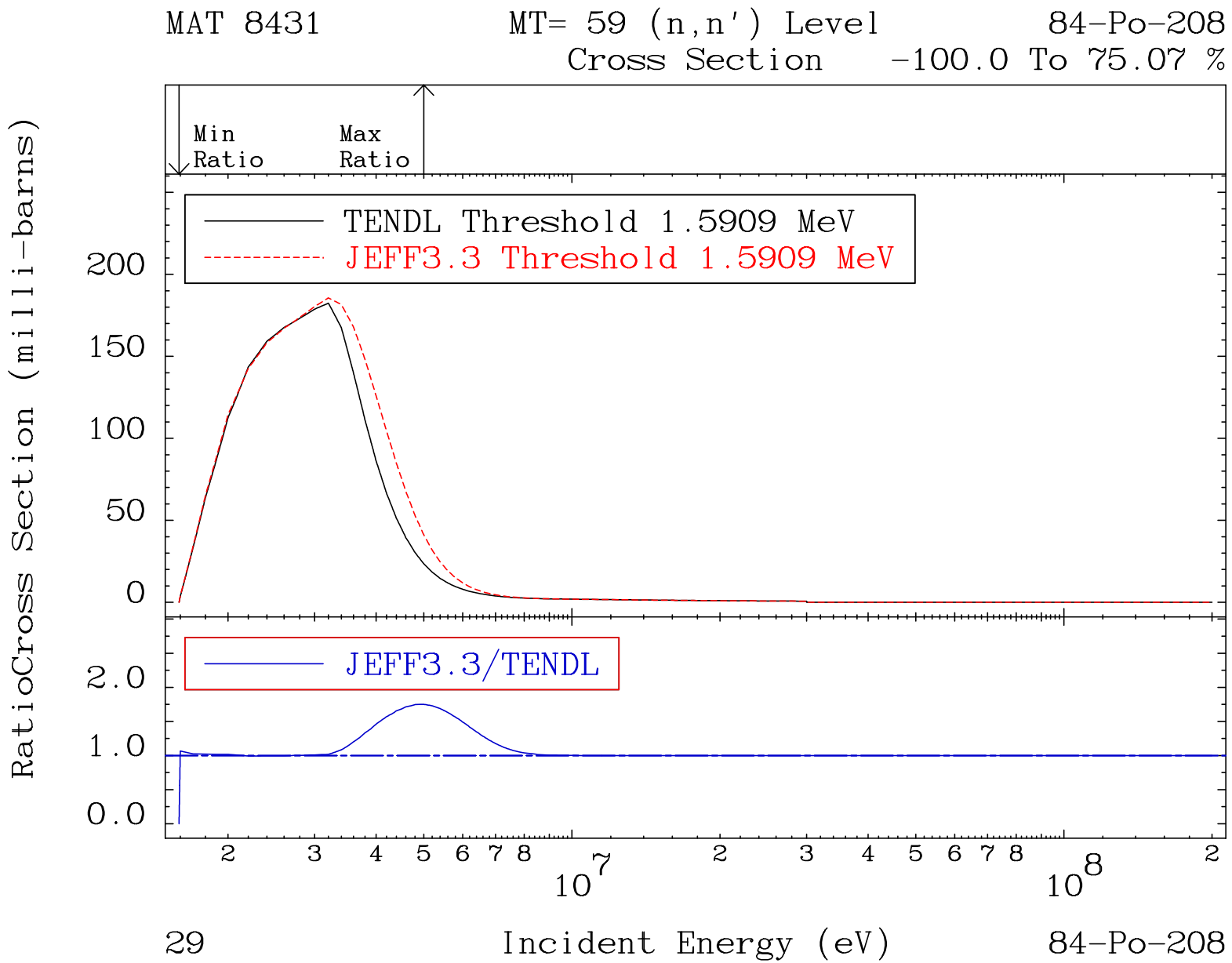

MAT 8431
MT= 54 (n,n') Level
84-Po-208
Cross Section -0.417 To 40.90 %
Min Ratio
Max Ratio
TENDL Threshold 1.3531 MeV
JEFF3.3 Threshold 1.3531 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
1.6
1.4
1.2
1.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
24
Incident Energy (eV)
84-Po-208

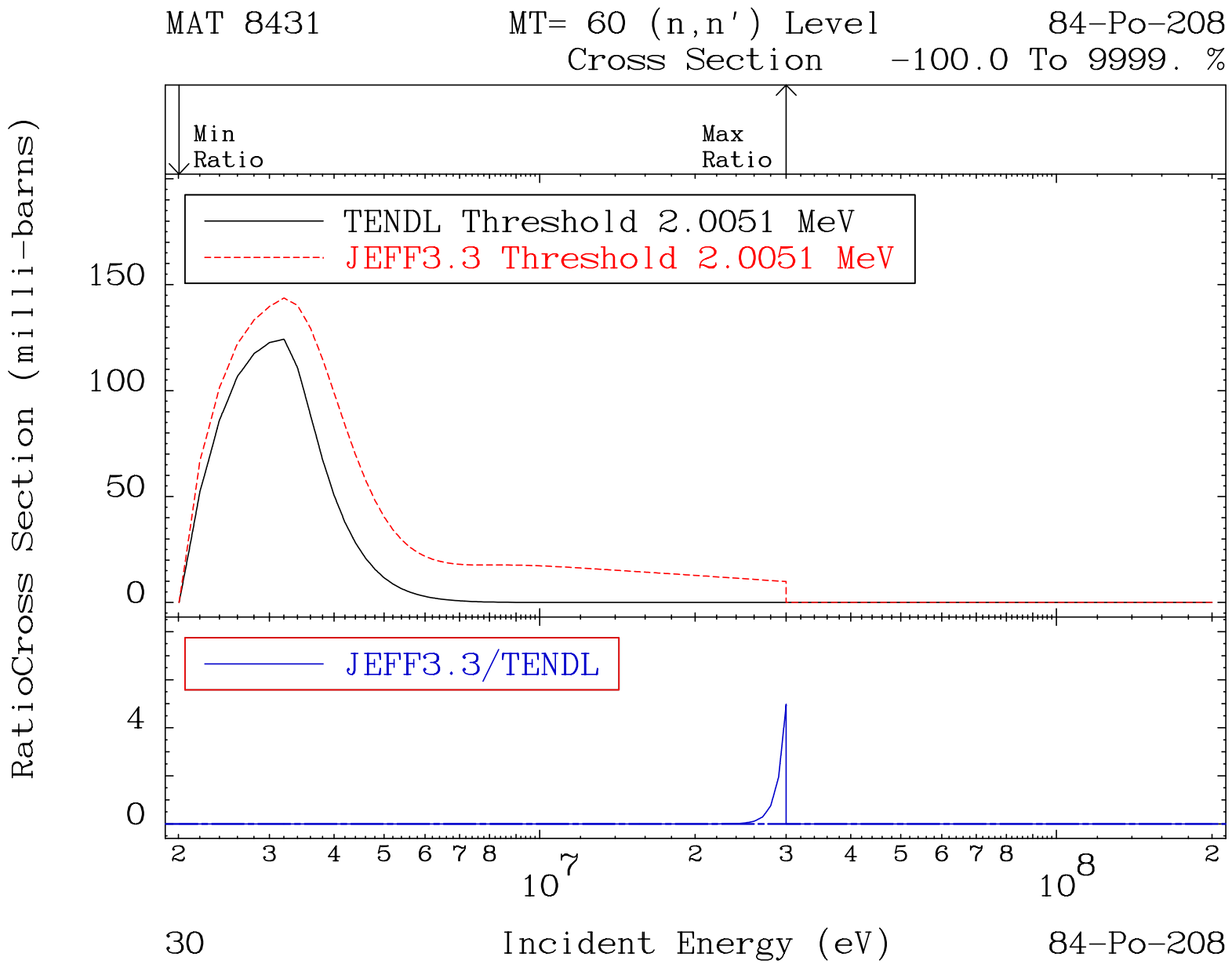

MAT 8431
MT= 55 (n,n') Level
84-Po-208
Cross Section -100.0 To 92.26 %
Min Ratio
Max Ratio
TENDL Threshold 1.4271 MeV
JEFF3.3 Threshold 1.4271 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
25
Incident Energy (eV)
84-Po-208

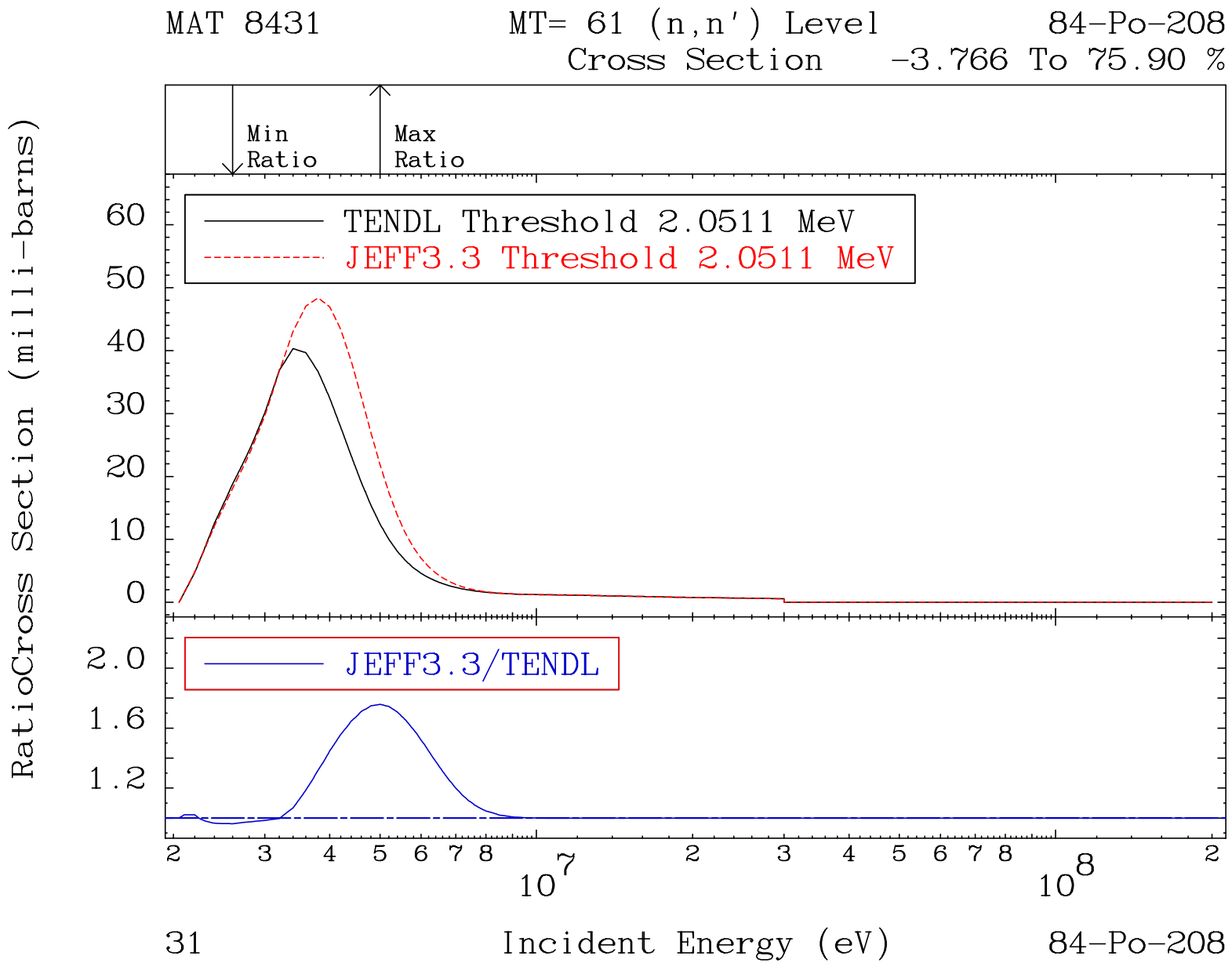

MAT 8431
MT= 56 (n,n') Level
84-Po-208
Cross Section -2.813 To 75.74 %
Min Ratio
Max Ratio
TENDL Threshold 1.5316 MeV
JEFF3.3 Threshold 1.5316 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.6
1.2
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
84-Po-208

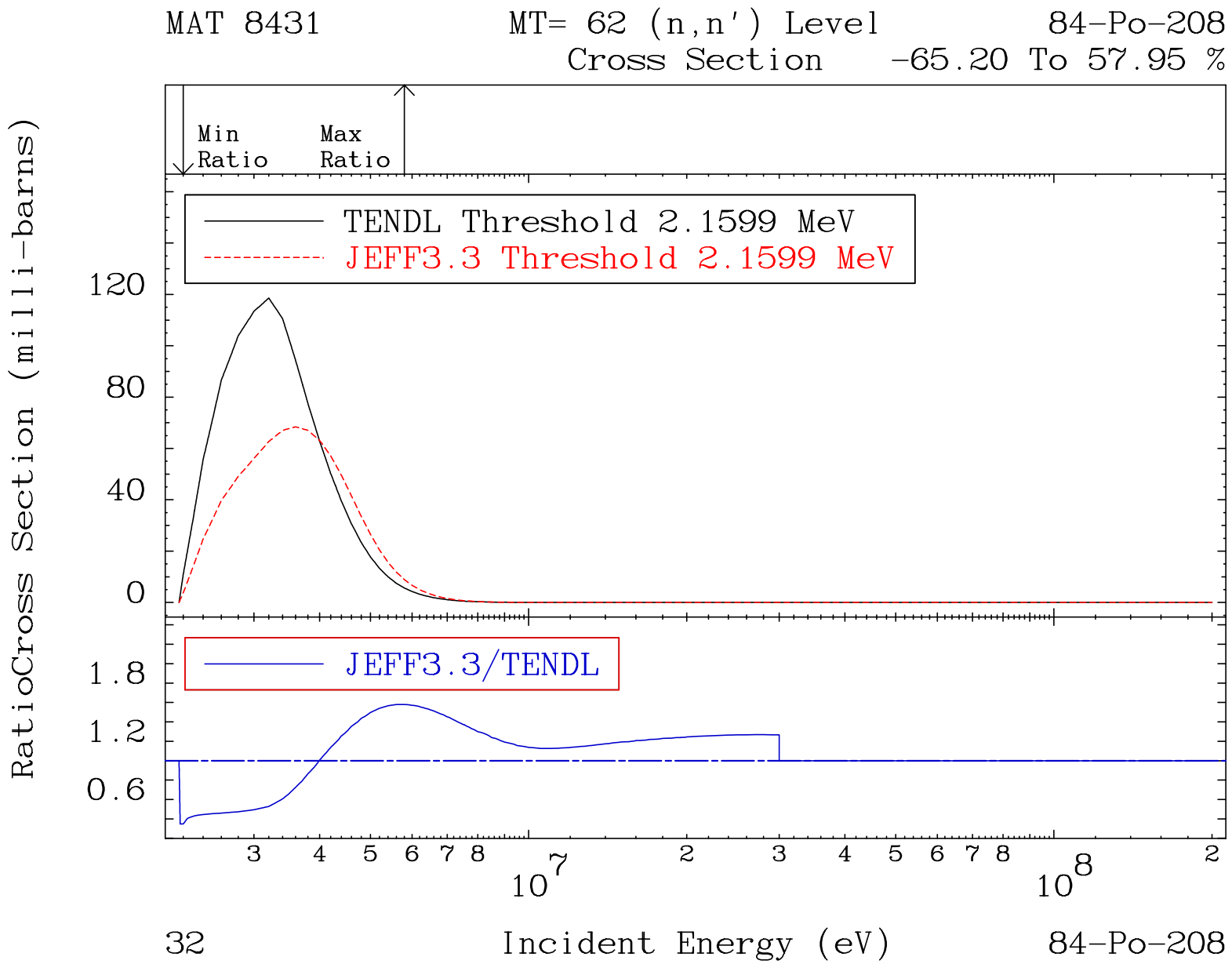

MAT 8431
MT= 57 (n,n') Level
84-Po-208
Cross Section -3.391 To 75.23 %
Min Ratio
Max Ratio
TENDL Threshold 1.5356 MeV
JEFF3.3 Threshold 1.5356 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
27
84-Po-208

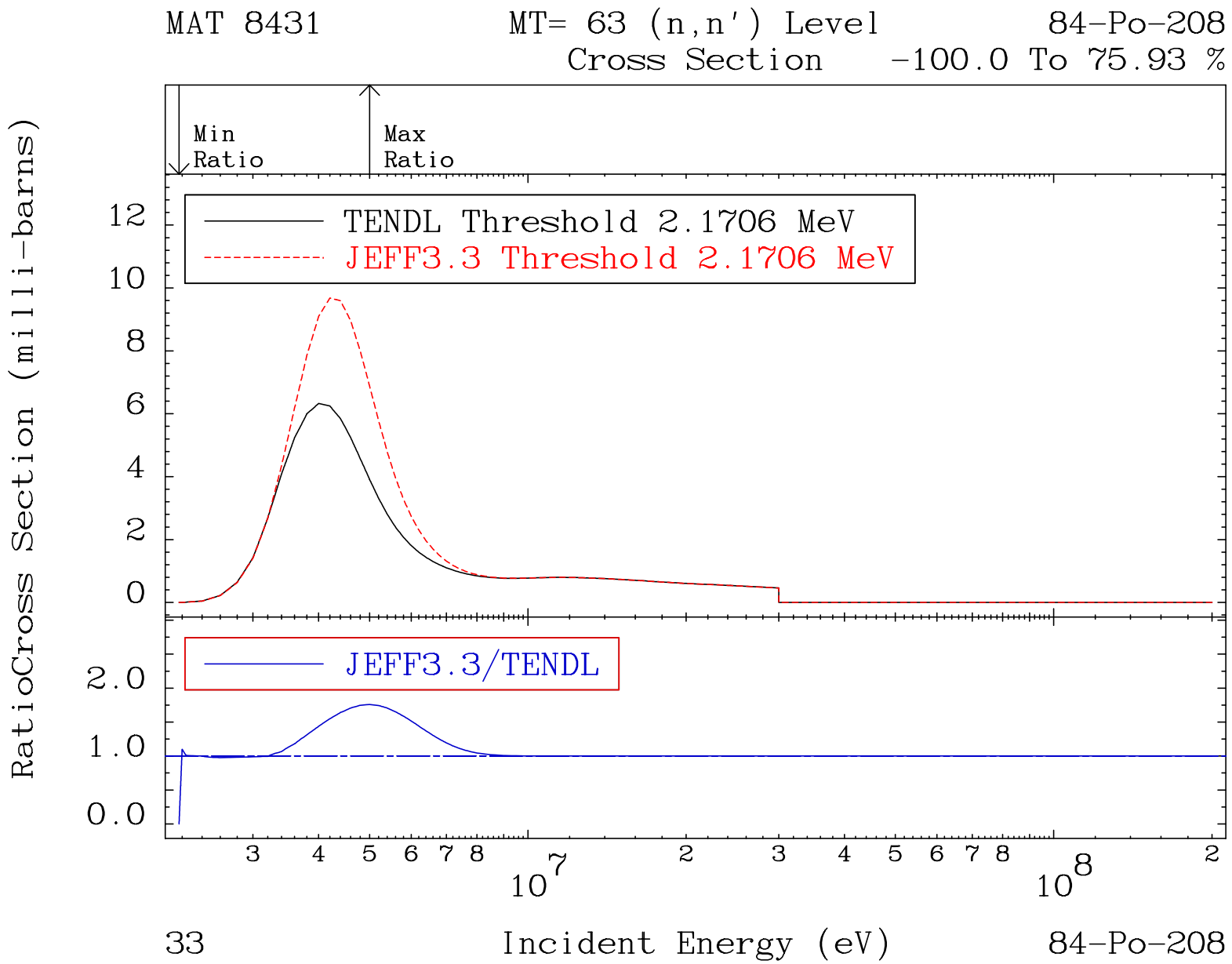

MAT 8431
MT= 58 (n,n') Level
84-Po-208
Cross Section 0.000 To 68.16 %
Max Ratio
Min Ratio
TENDL Threshold 1.5465 MeV
JEFF3.3 Threshold 1.5465 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
2.0
1.6
1.2
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
84-Po-208

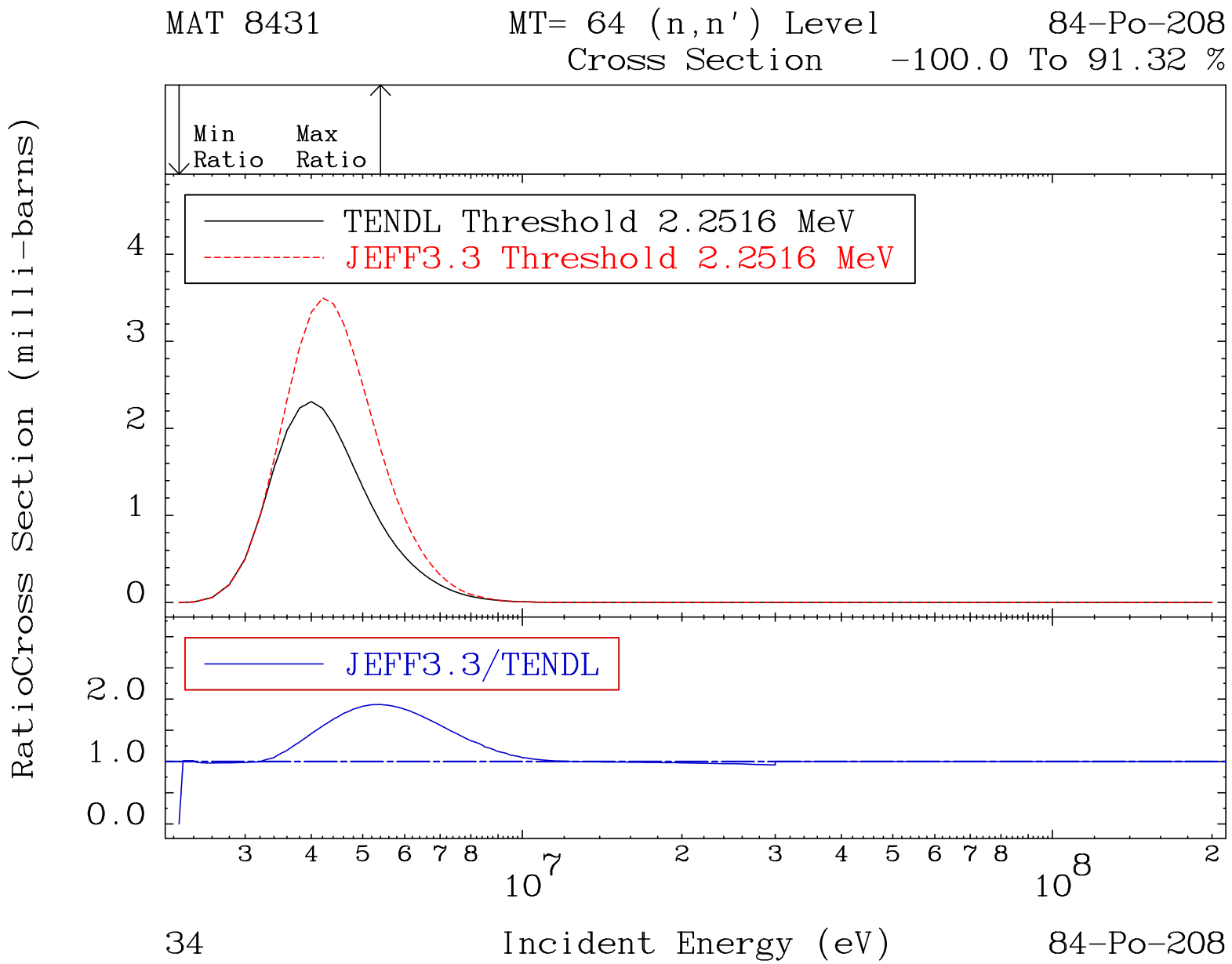

MAT 8431
MT= 59 (n,n') Level
84-Po-208
Cross Section
-100.0 To 75.07 %
Min Ratio
Max Ratio
TENDL Threshold 1.5909 MeV
JEFF3.3 Threshold 1.5909 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
84-Po-208

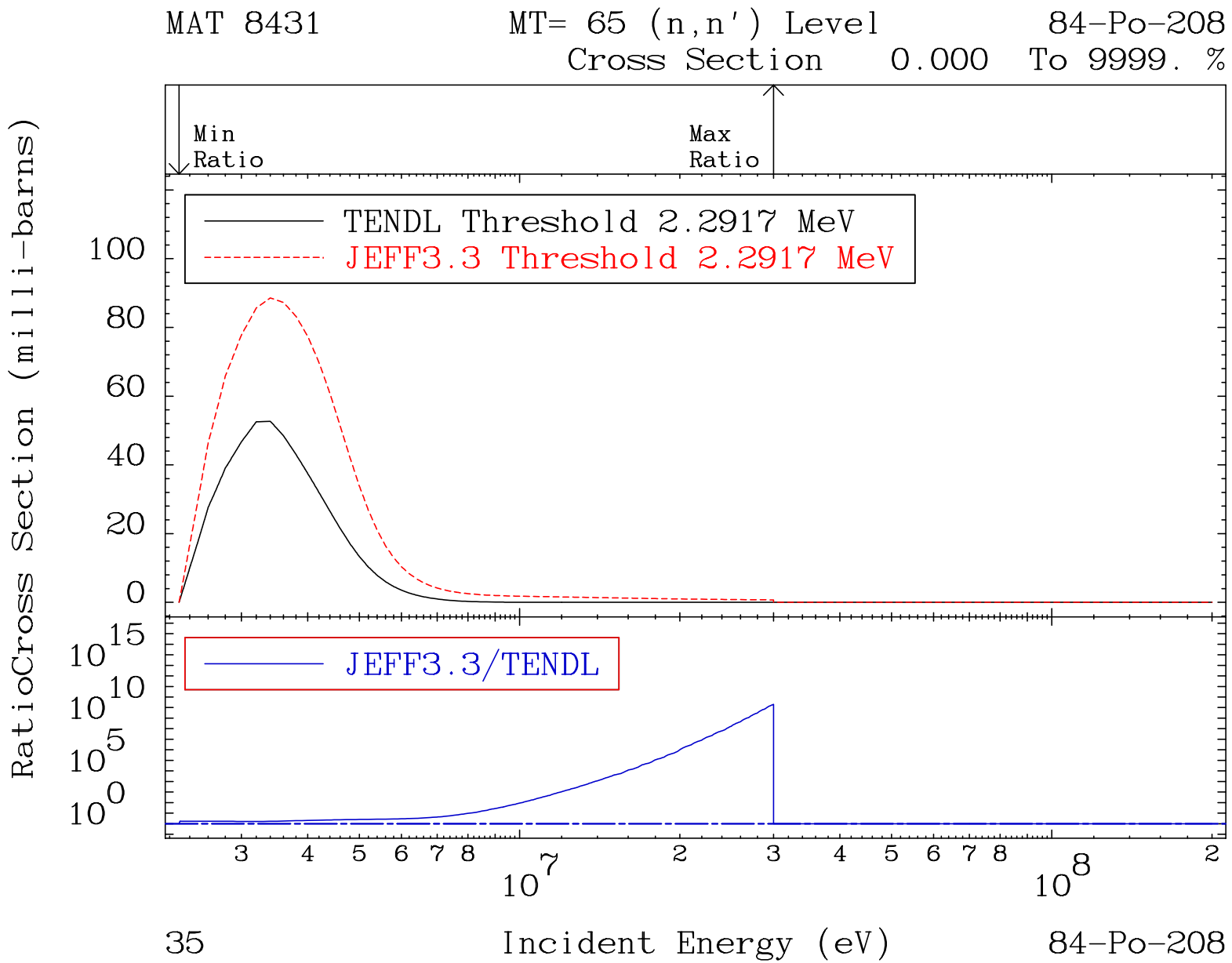

MAT 8431
MT= 60 (n,n') Level
84-Po-208
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.0051 MeV
JEFF3.3 Threshold 2.0051 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
150
100
50
0
4
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
84-Po-208

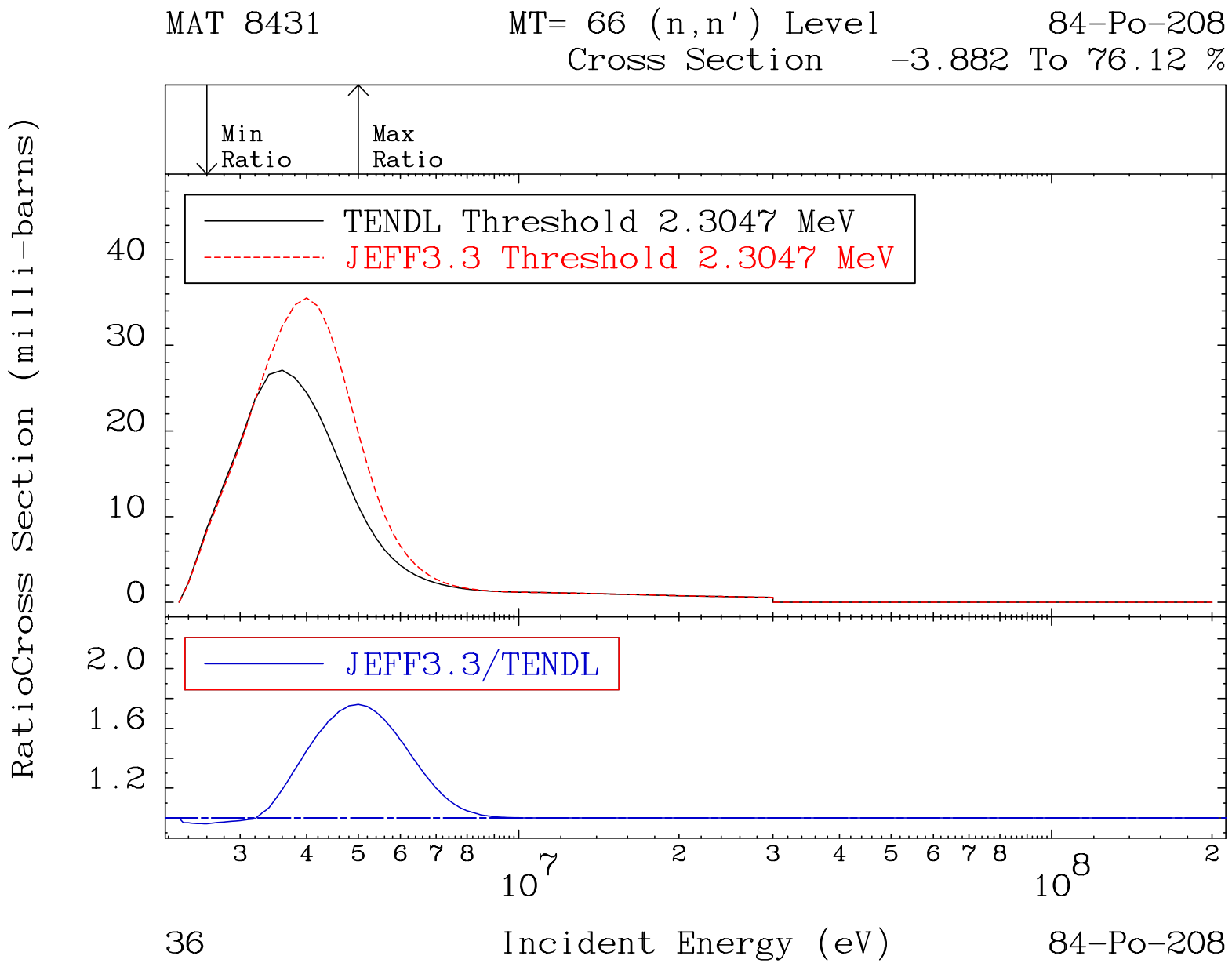

MAT 8431
MT= 61 (n,n') Level
84-Po-208
Cross Section -3.766 To 75.90 %
Min Ratio
Max Ratio
TENDL Threshold 2.0511 MeV
JEFF3.3 Threshold 2.0511 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
2.0
1.6
1.2
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
31
Incident Energy (eV)
84-Po-208

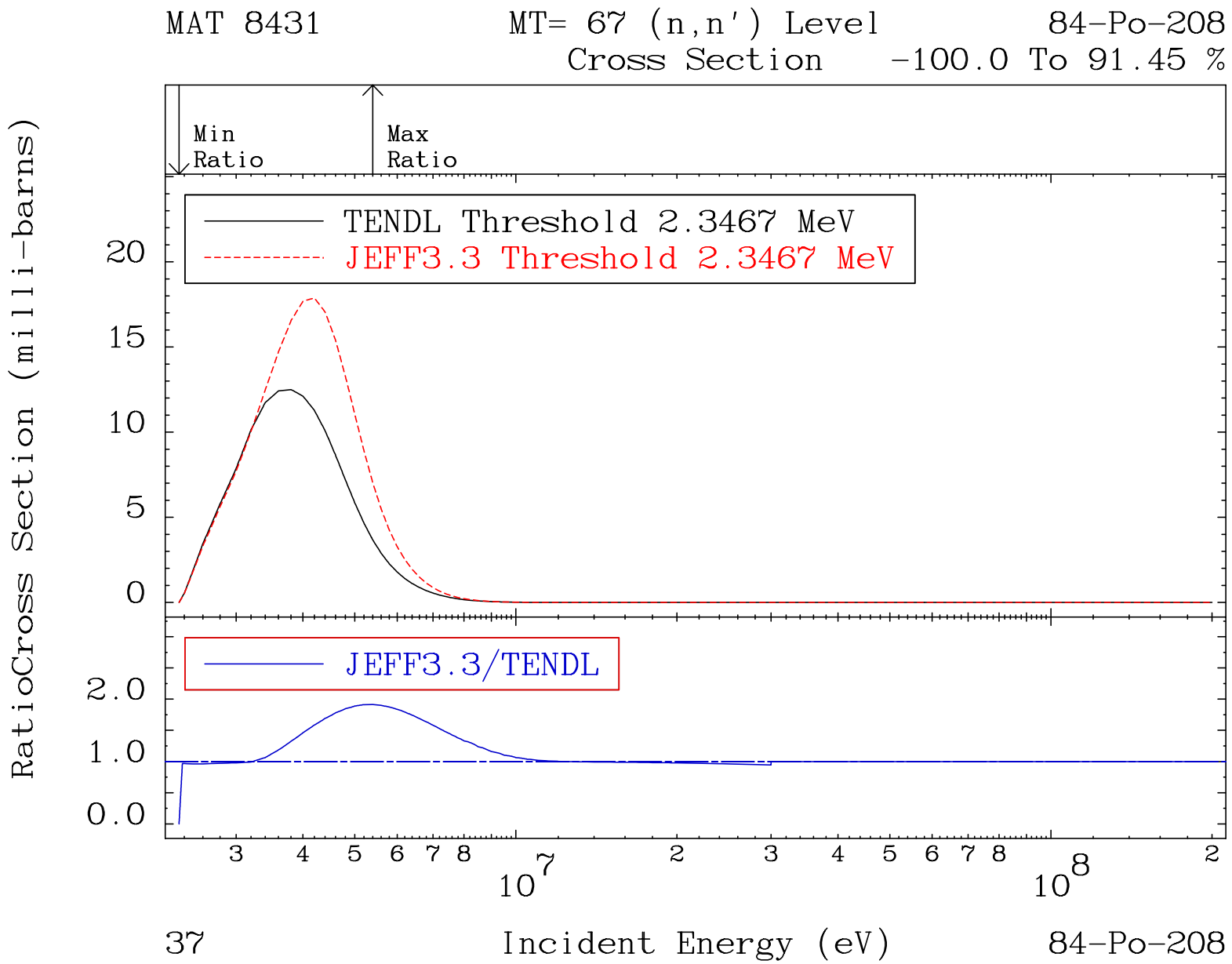

MAT 8431
MT= 62 (n,n') Level
84-Po-208
Cross Section -65.20 To 57.95 %
Min Ratio
Max Ratio
TENDL Threshold 2.1599 MeV
JEFF3.3 Threshold 2.1599 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
80
40
0
1.8
1.2
0.6
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
32
Incident Energy (eV)
84-Po-208

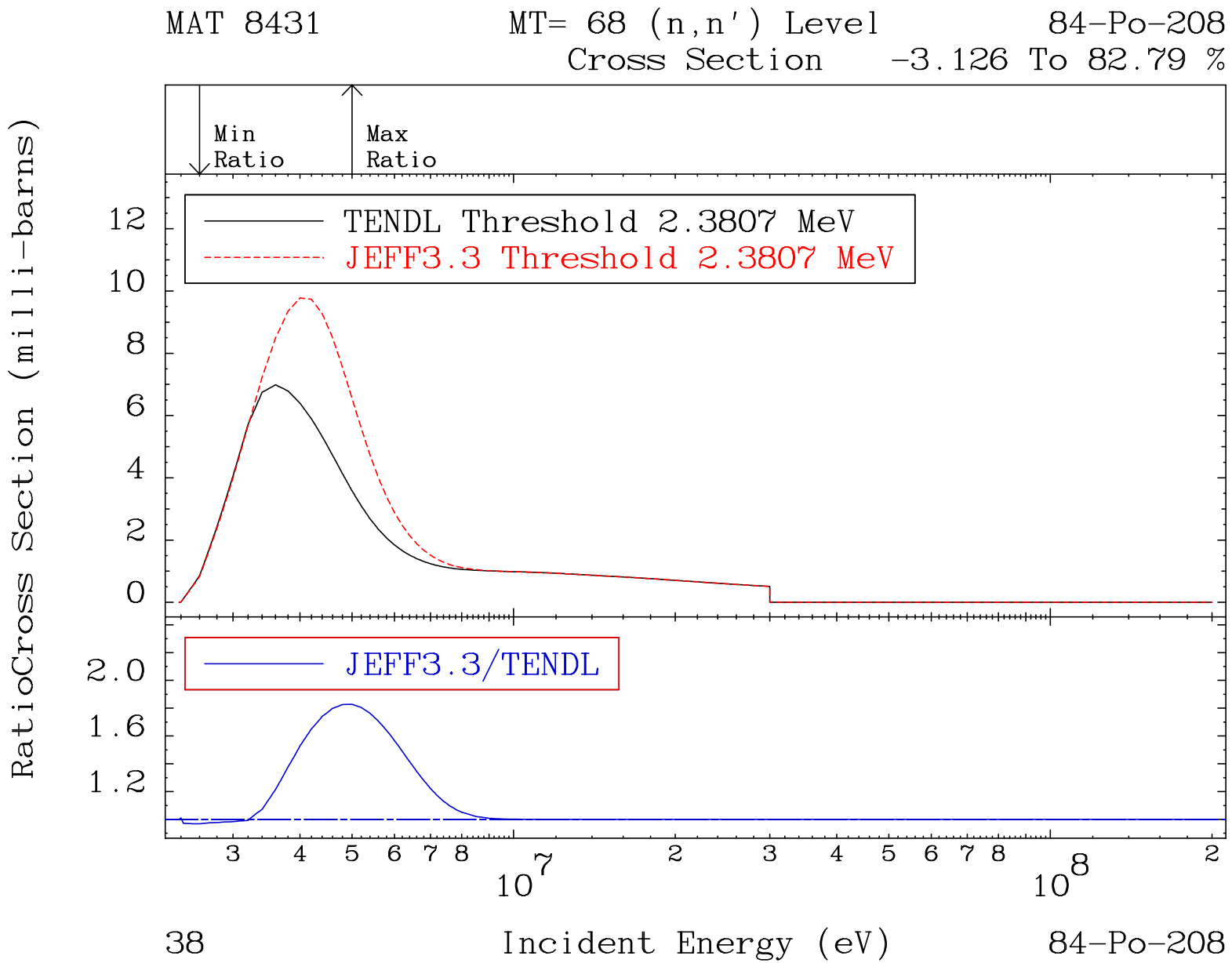

MAT 8431
MT= 63 (n,n') Level
84-Po-208
Cross Section
-100.0 To 75.93 %
Min Ratio
Max Ratio
TENDL Threshold 2.1706 MeV
JEFF3.3 Threshold 2.1706 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
33
Incident Energy (eV)
84-Po-208

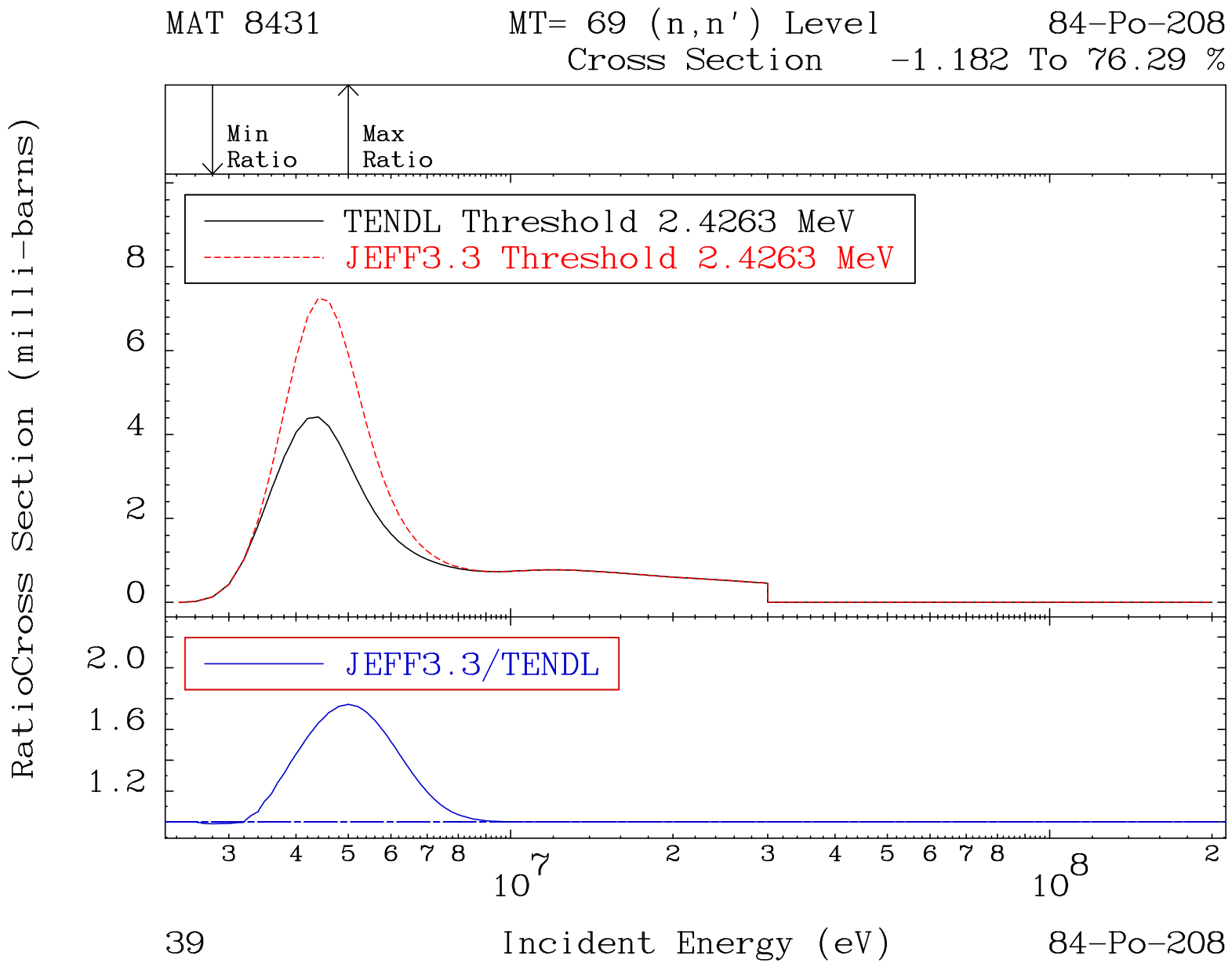

MAT 8431
MT= 64 (n,n') Level
84-Po-208
Cross Section -100.0 To 91.32 %
Min Ratio
Max Ratio
TENDL Threshold 2.2516 MeV
JEFF3.3 Threshold 2.2516 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
34
84-Po-208

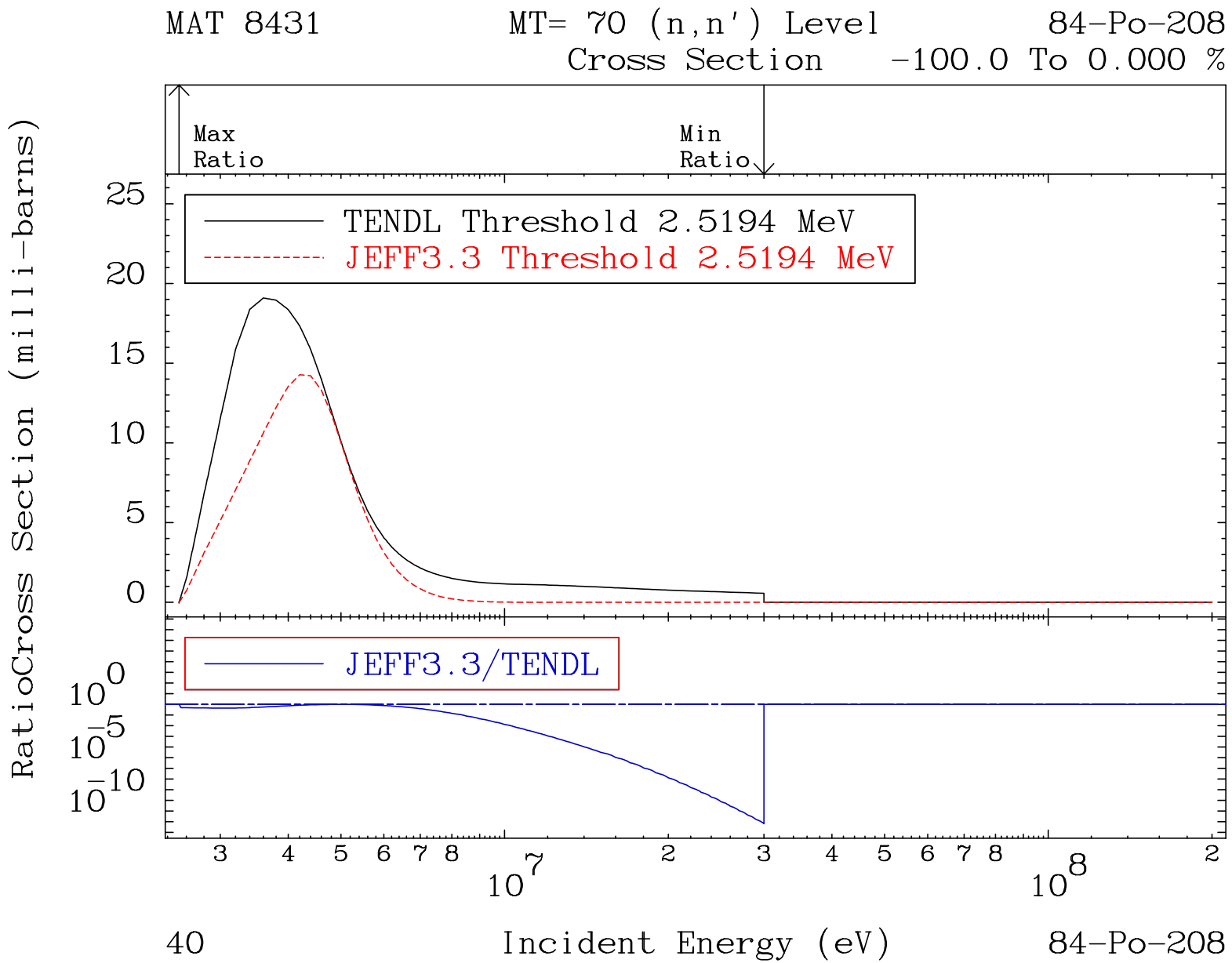

MAT 8431
MT= 65 (n,n') Level
84-Po-208
Cross Section 0.000 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.2917 MeV
JEFF3.3 Threshold 2.2917 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
10^15
10^10
10^5
10^0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
84-Po-208

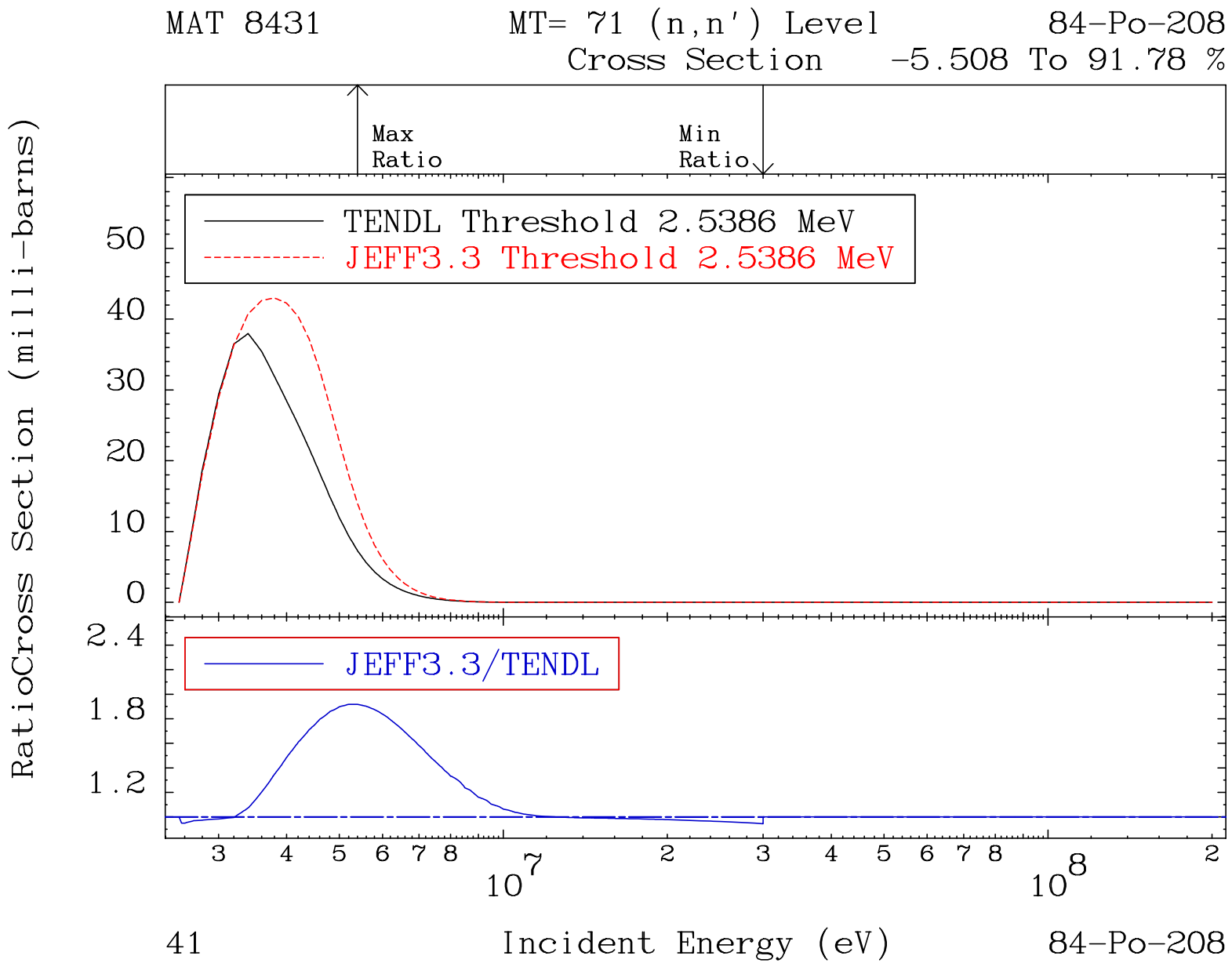

MAT 8431
MT= 66 (n,n') Level
84-Po-208
Cross Section
-3.882 To 76.12 %
Min Ratio
Max Ratio
TENDL Threshold 2.3047 MeV
JEFF3.3 Threshold 2.3047 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.6
1.2
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
36
Incident Energy (eV)
84-Po-208

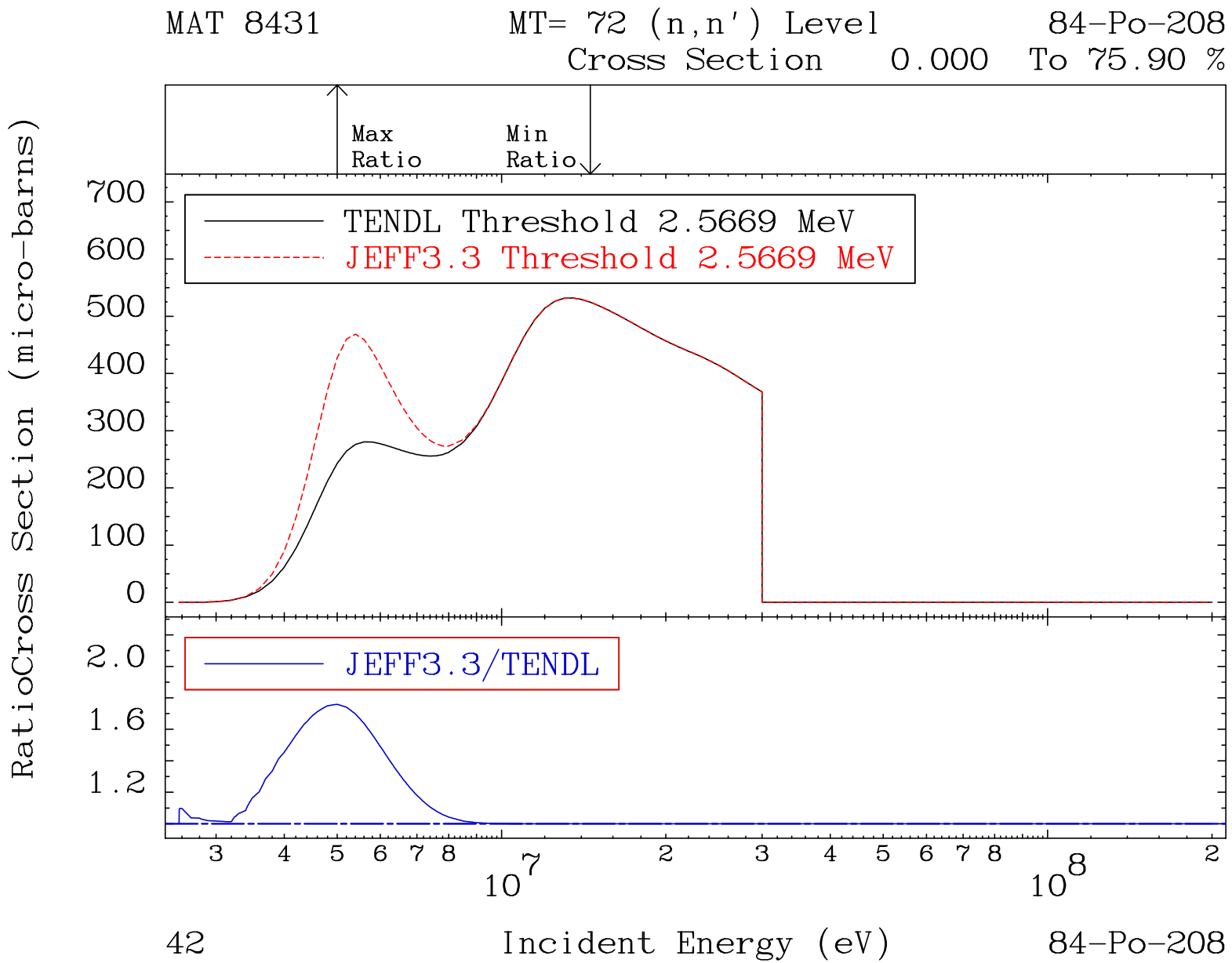

MAT 8431
MT= 67 (n,n') Level
84-Po-208
Cross Section -100.0 To 91.45 %
Min Ratio
Max Ratio
TENDL Threshold 2.3467 MeV
JEFF3.3 Threshold 2.3467 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
37
Incident Energy (eV)
84-Po-208

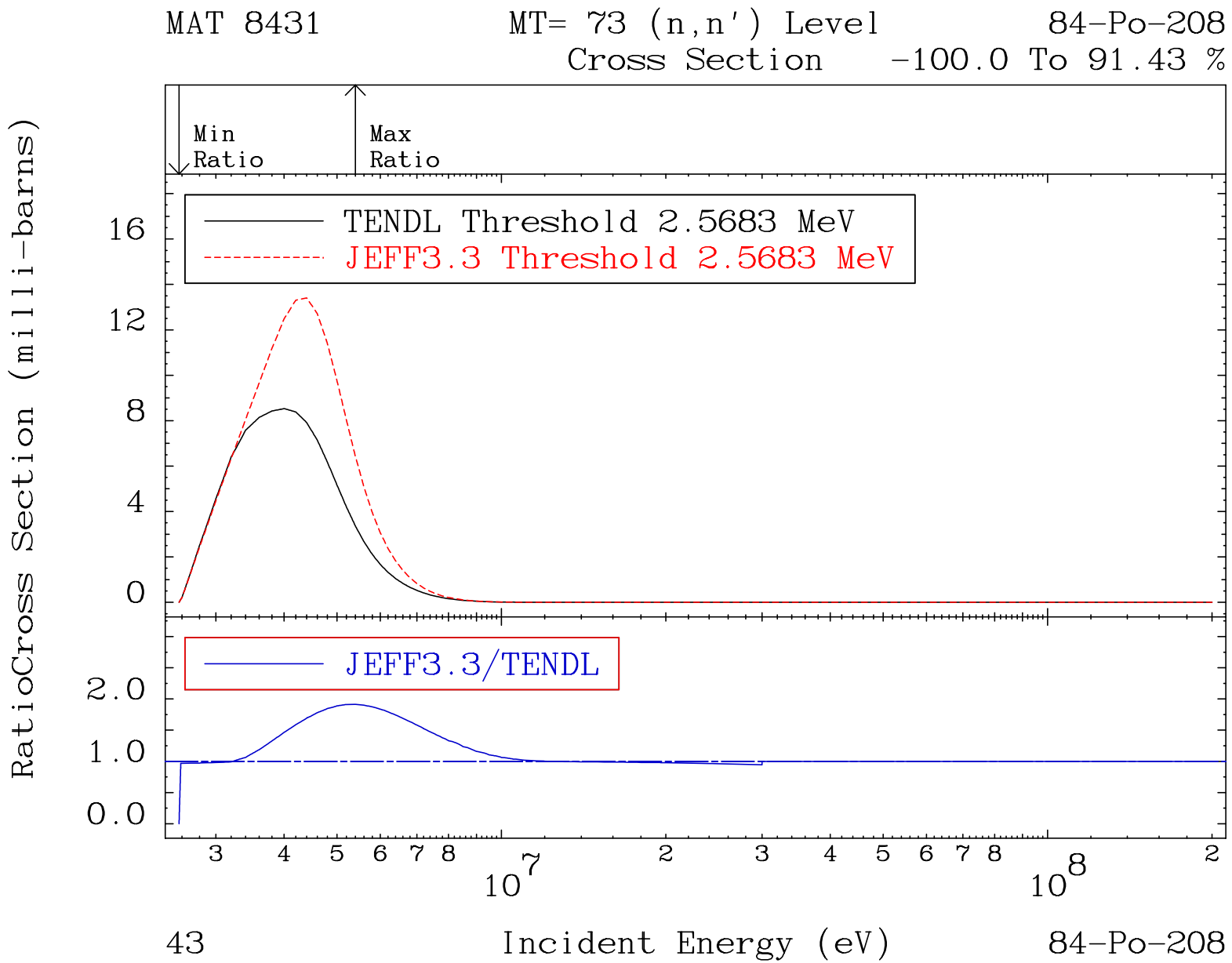

MAT 8431
MT= 68 (n,n') Level
84-Po-208
Cross Section
-3.126 To 82.79 %
Min Ratio
Max Ratio
TENDL Threshold 2.3807 MeV
JEFF3.3 Threshold 2.3807 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
2.0
1.6
1.2
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
38
Incident Energy (eV)
84-Po-208

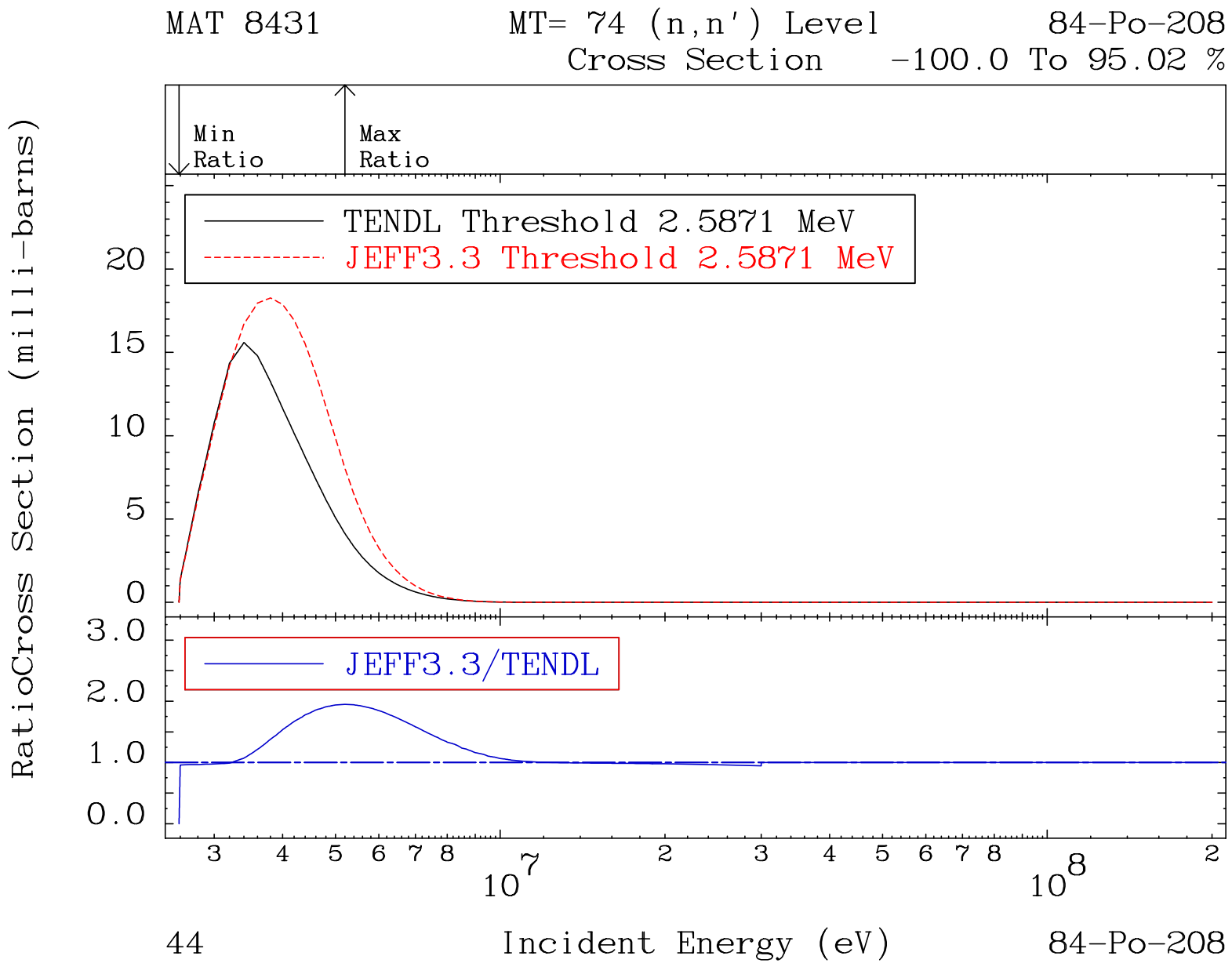

MAT 8431
MT= 69 (n,n') Level
84-Po-208
Cross Section -1.182 To 76.29 %
Min Ratio
Max Ratio
TENDL Threshold 2.4263 MeV
JEFF3.3 Threshold 2.4263 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
39
84-Po-208

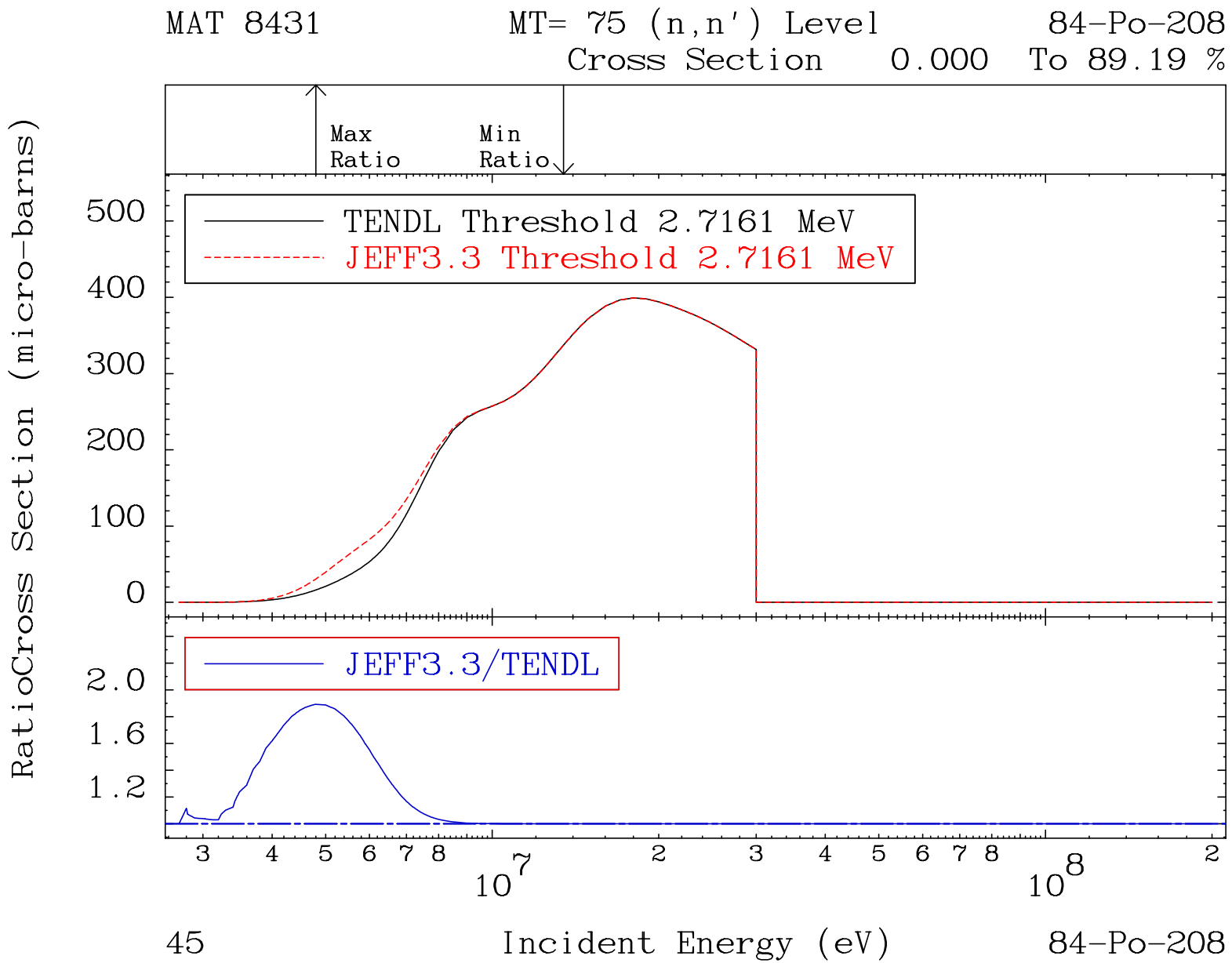

MAT 8431
MT= 70 (n,n') Level
84-Po-208
Cross Section -100.0 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 2.5194 MeV
JEFF3.3 Threshold 2.5194 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
40
84-Po-208

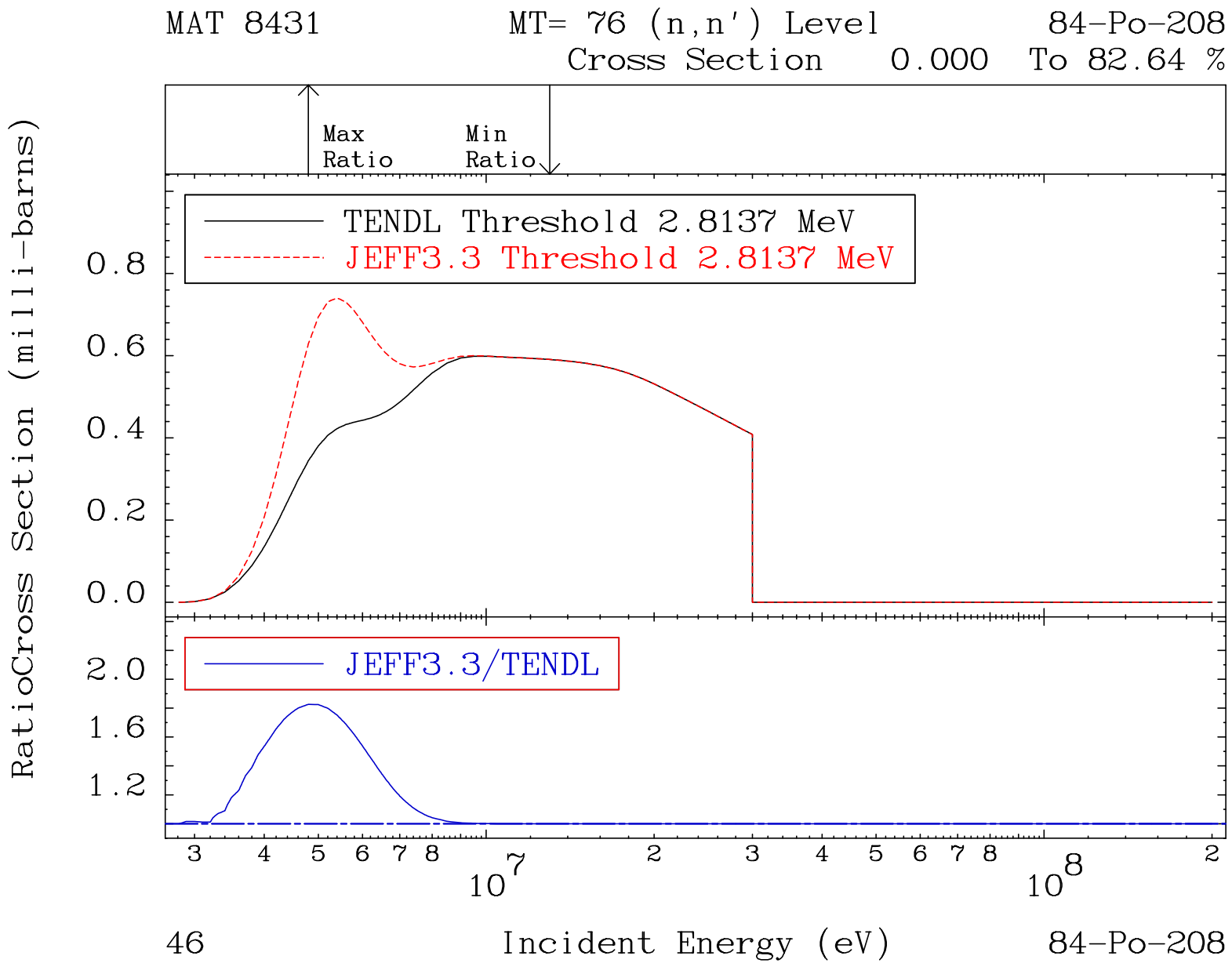

MAT 8431
MT= 71 (n,n') Level
84-Po-208
Cross Section -5.508 To 91.78 %
Max Ratio
Min Ratio
TENDL Threshold 2.5386 MeV
JEFF3.3 Threshold 2.5386 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
2.4
1.8
1.2
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
41
Incident Energy (eV)
84-Po-208

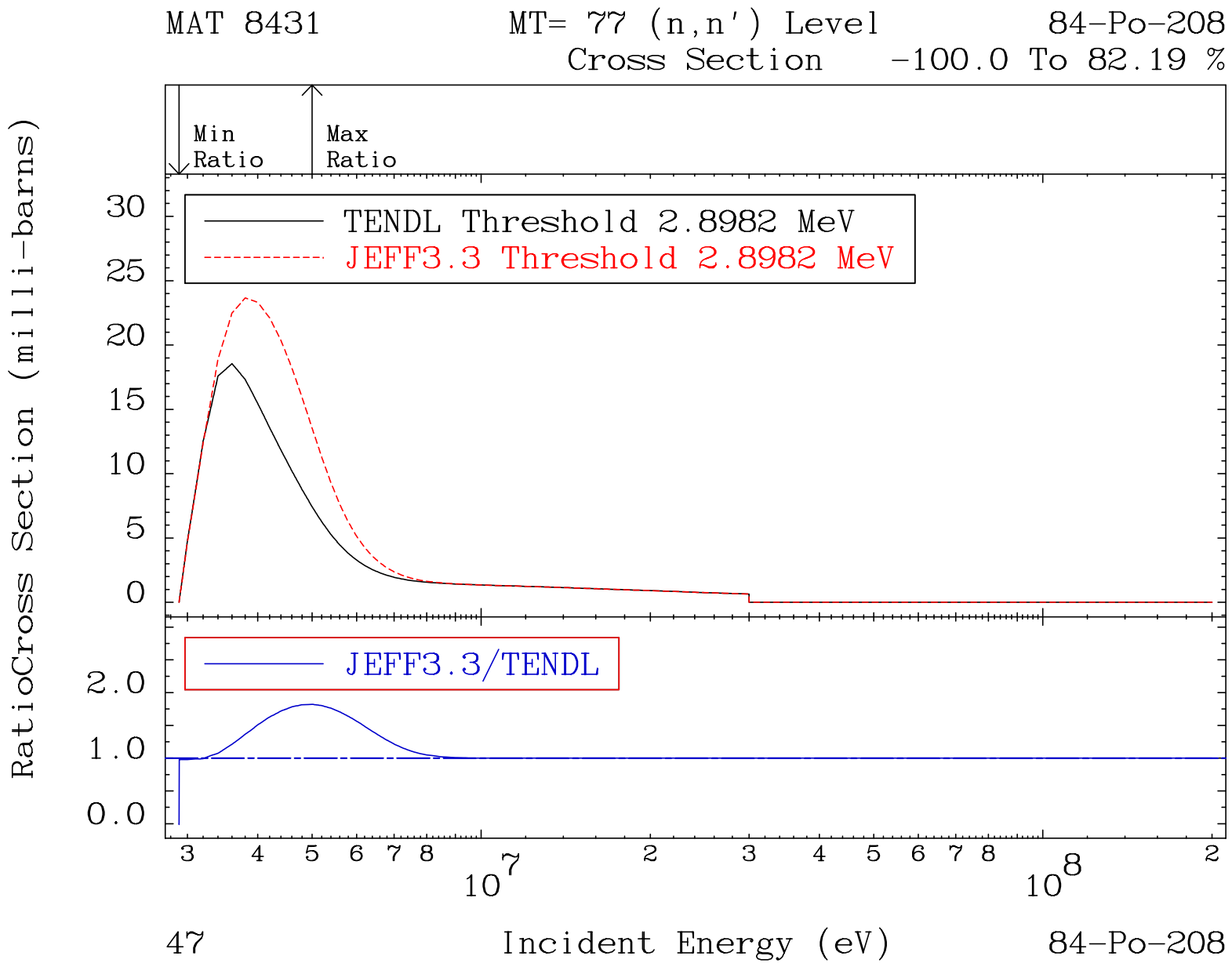

MAT 8431
MT= 72 (n,n') Level
84-Po-208
Cross Section 0.000 To 75.90 %
Max Ratio
Min Ratio
TENDL Threshold 2.5669 MeV
JEFF3.3 Threshold 2.5669 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
700
600
500
400
300
200
100
0
2.0
1.6
1.2
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
42
Incident Energy (eV)
84-Po-208

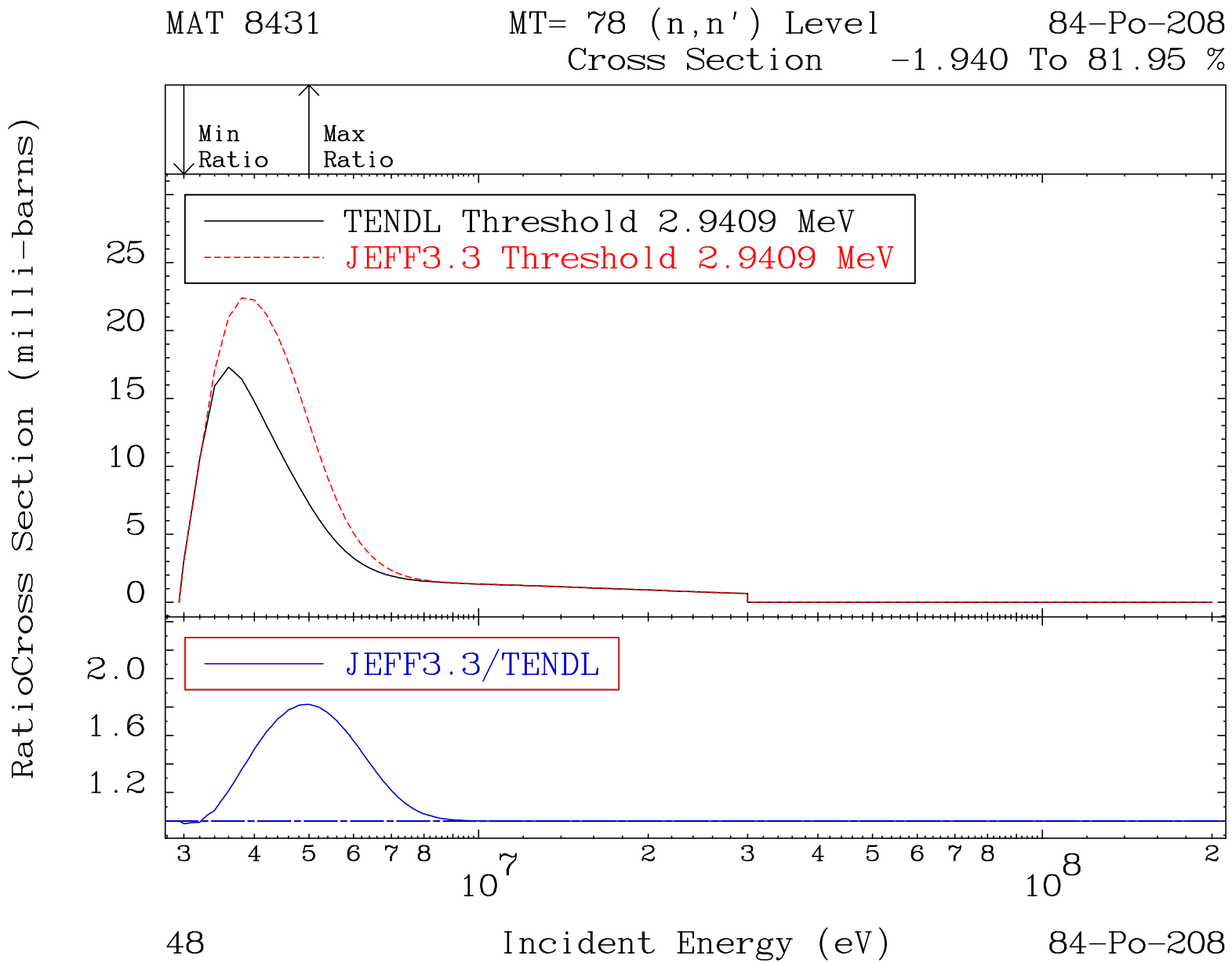

MAT 8431
MT= 73 (n,n') Level
84-Po-208
Cross Section
-100.0 To 91.43 %
Min Ratio
Max Ratio
TENDL Threshold 2.5683 MeV
JEFF3.3 Threshold 2.5683 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
43
Incident Energy (eV)
84-Po-208

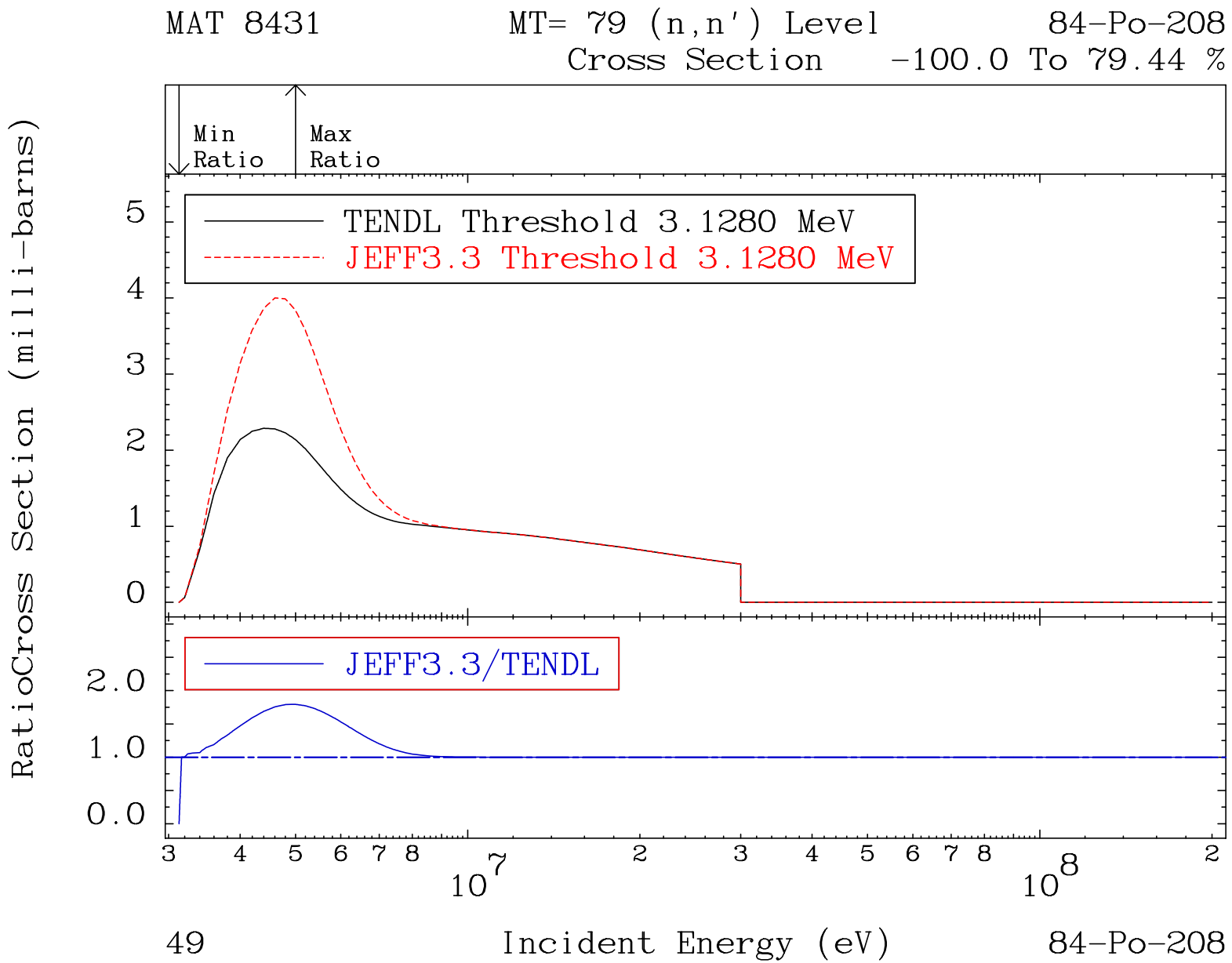

MAT 8431
MT= 74 (n,n') Level
84-Po-208
Cross Section -100.0 To 95.02 %
Min Ratio
Max Ratio
TENDL Threshold 2.5871 MeV
JEFF3.3 Threshold 2.5871 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
44
Incident Energy (eV)
84-Po-208

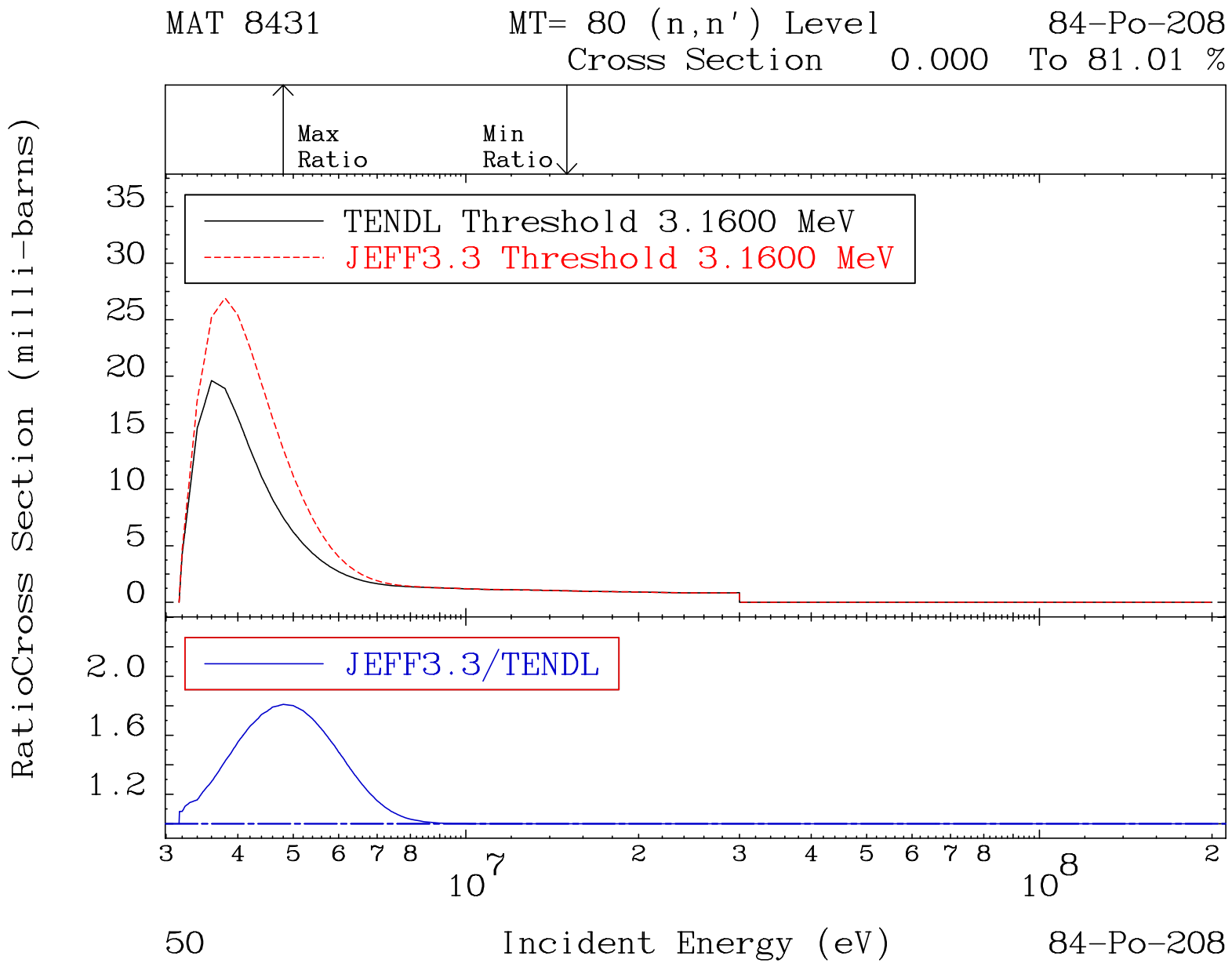

MAT 8431
MT= 75 (n,n') Level
84-Po-208
Cross Section 0.000 To 89.19 %
Max Ratio
Min Ratio
TENDL Threshold 2.7161 MeV
JEFF3.3 Threshold 2.7161 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
500
400
300
200
100
0
2.0
1.6
1.2
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
45
Incident Energy (eV)
84-Po-208

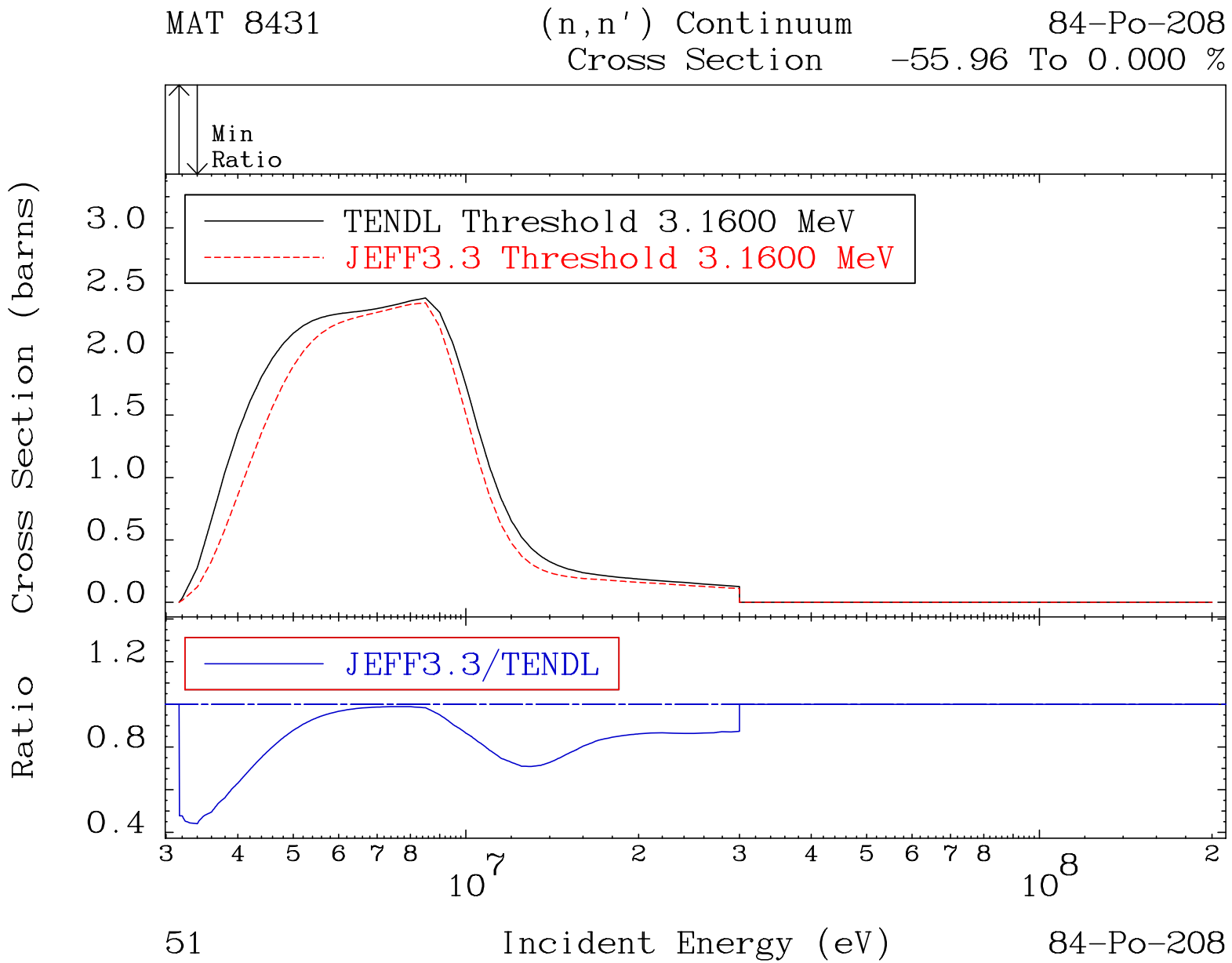

MAT 8431
MT= 76 (n,n') Level
84-Po-208
Cross Section 0.000 To 82.64 %
Max Ratio
Min Ratio
TENDL Threshold 2.8137 MeV
JEFF3.3 Threshold 2.8137 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0.8
0.6
0.4
0.2
0.0
2.0
1.6
1.2
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
46
Incident Energy (eV)
84-Po-208

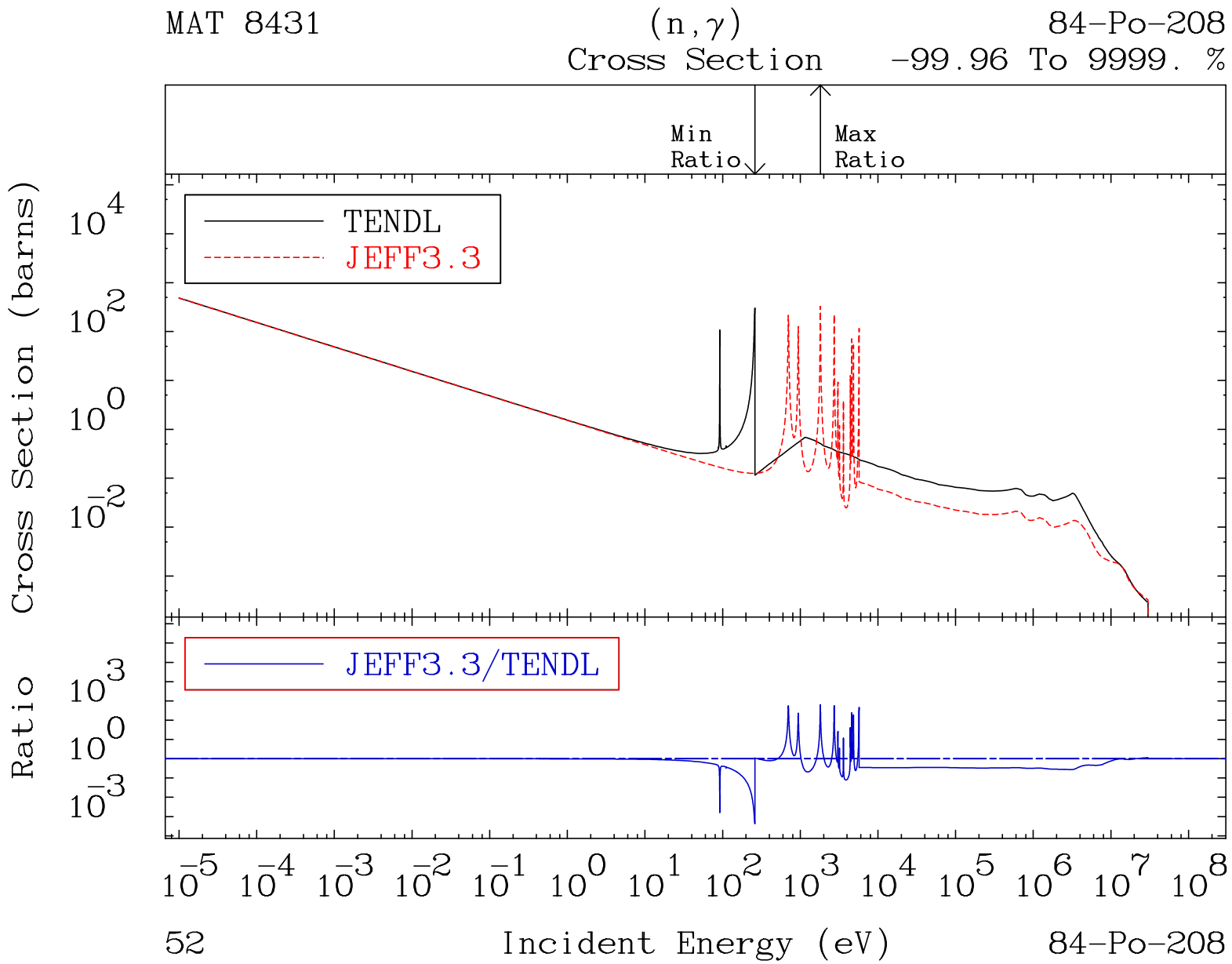

MAT 8431
MT= 77 (n,n') Level
84-Po-208
Cross Section -100.0 To 82.19 %
Min Ratio
Max Ratio
TENDL Threshold 2.8982 MeV
JEFF3.3 Threshold 2.8982 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
47
Incident Energy (eV)
84-Po-208

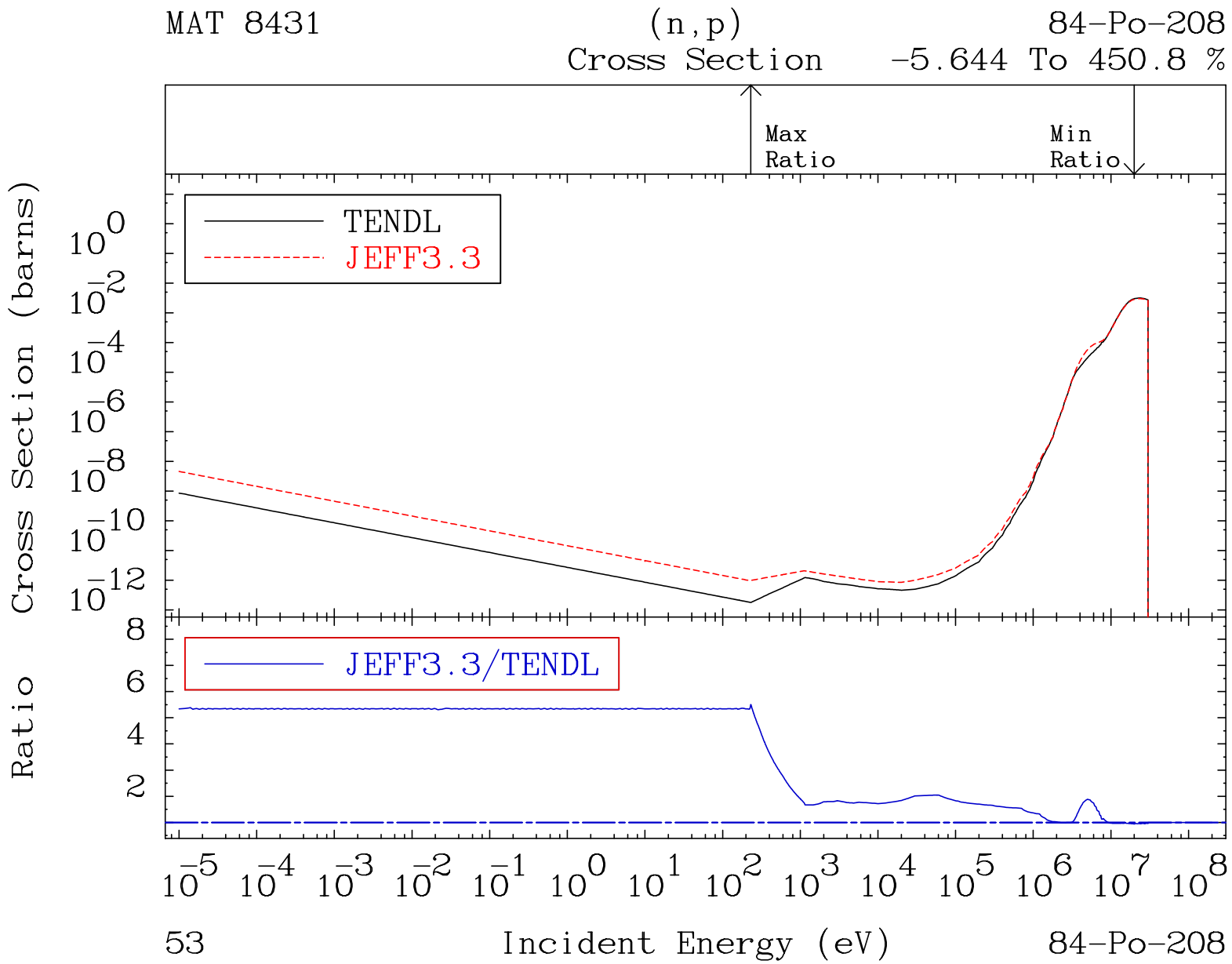

MAT 8431
MT= 78 (n,n') Level
84-Po-208
Cross Section
-1.940 To 81.95 %
Min Ratio
Max Ratio
TENDL Threshold 2.9409 MeV
JEFF3.3 Threshold 2.9409 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
2.0
1.6
1.2
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
48
Incident Energy (eV)
84-Po-208

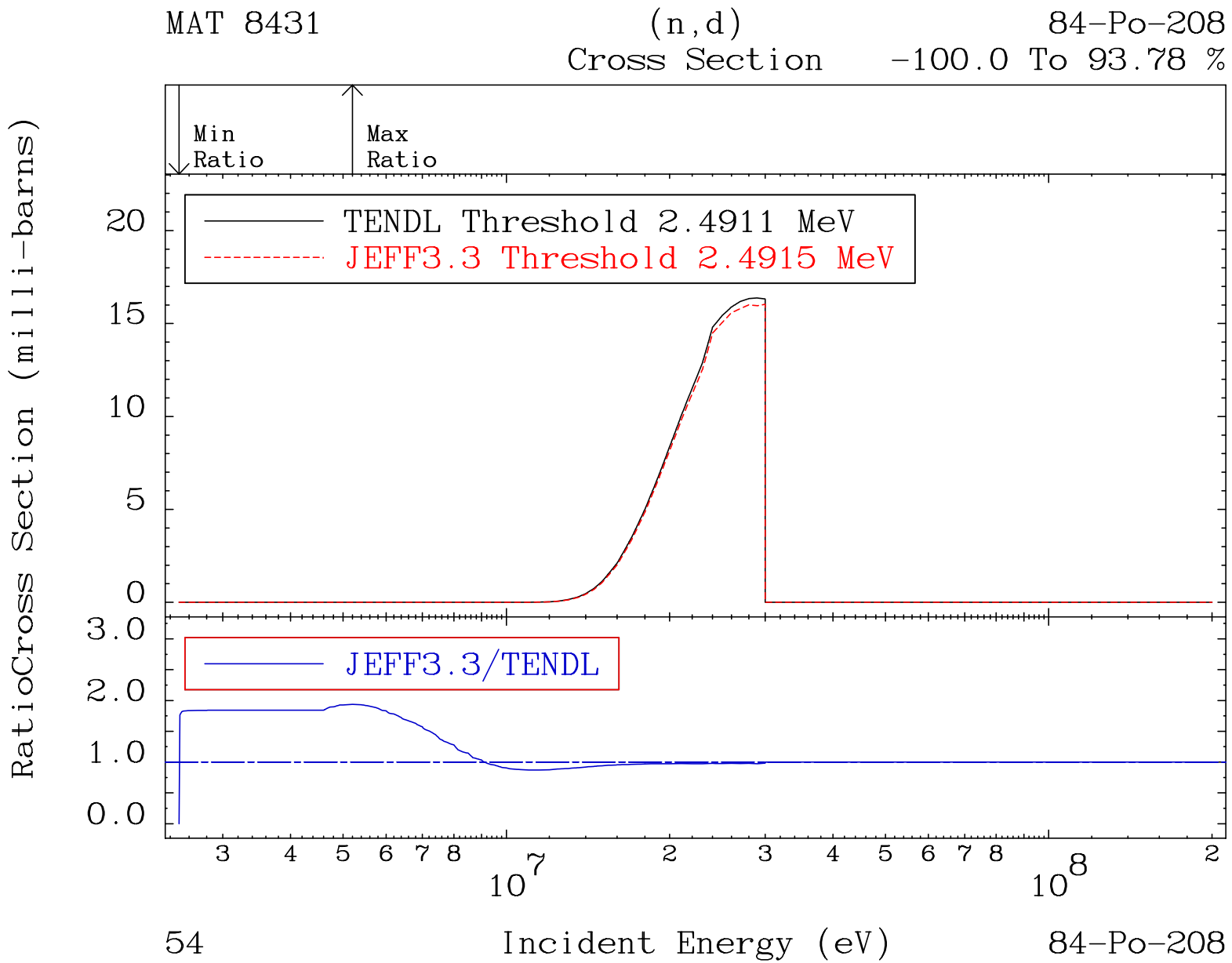

MAT 8431
MT= 79 (n,n') Level
84-Po-208
Cross Section
-100.0 To 79.44 %
Min Ratio
Max Ratio
TENDL Threshold 3.1280 MeV
JEFF3.3 Threshold 3.1280 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
49
84-Po-208

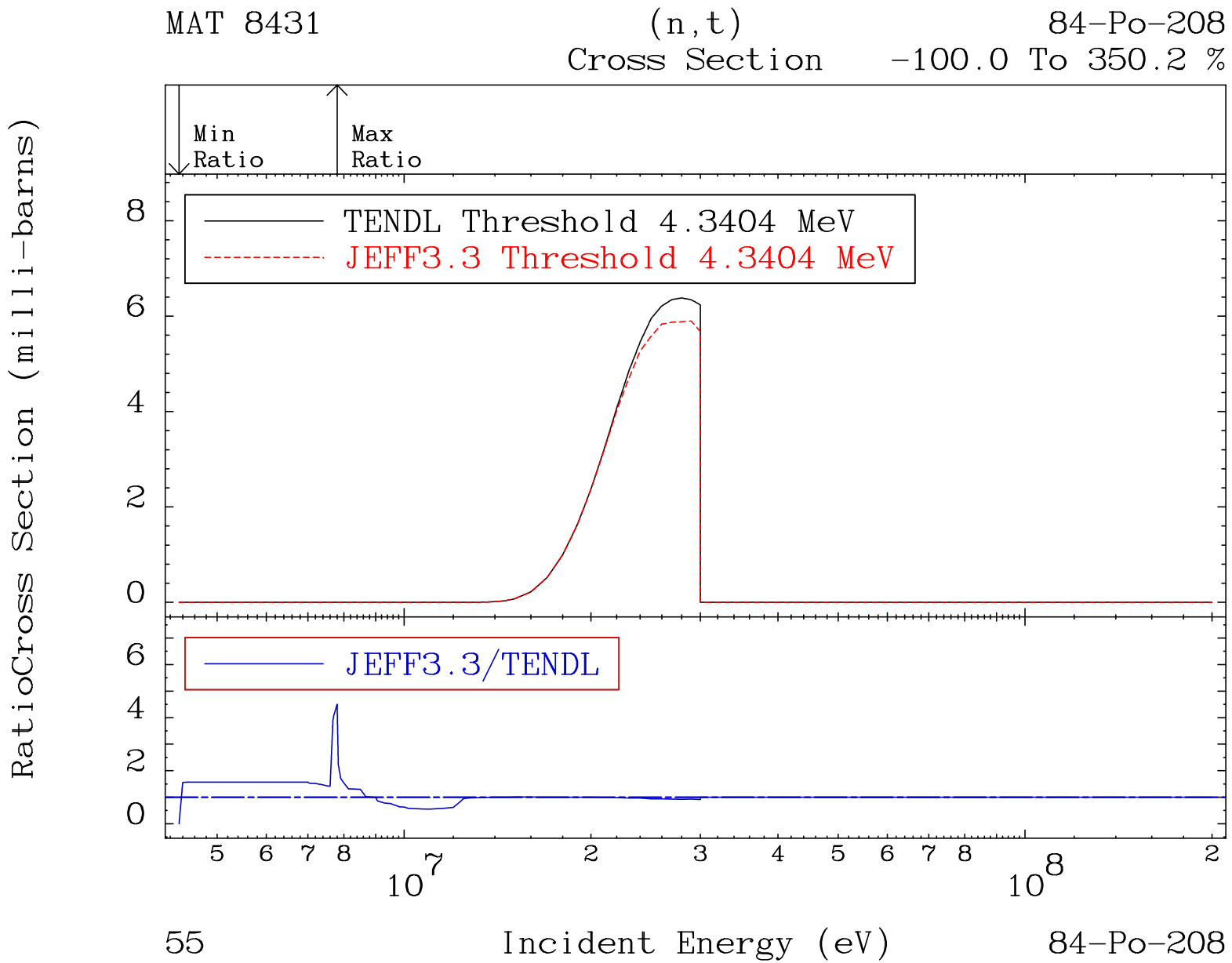

MAT 8431
MT= 80 (n,n') Level
84-Po-208
Cross Section 0.000 To 81.01 %
Max Ratio
Min Ratio
TENDL Threshold 3.1600 MeV
JEFF3.3 Threshold 3.1600 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
2.0
1.6
1.2
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
50
Incident Energy (eV)
84-Po-208

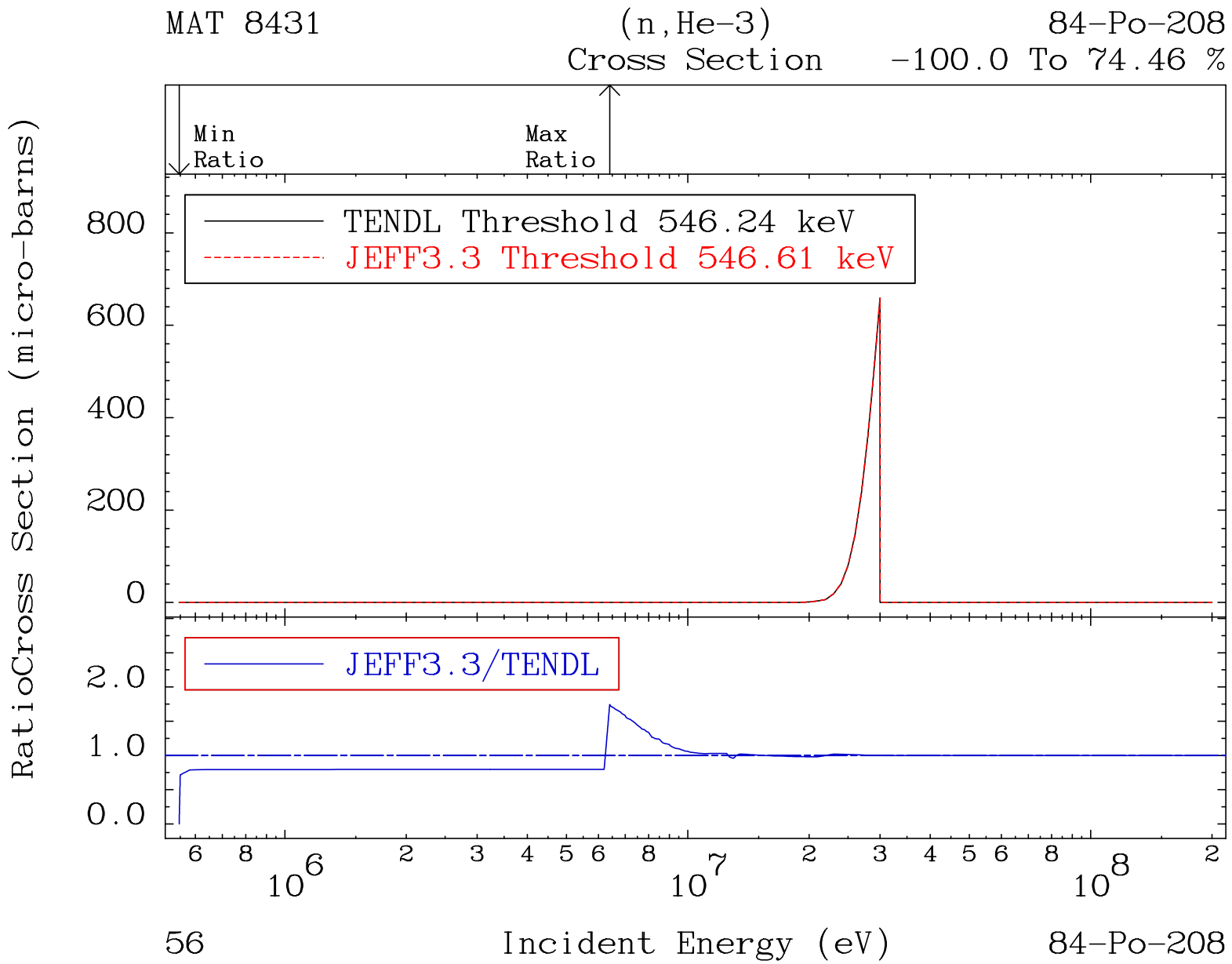

MAT 8431
(n,n') Continuum
Cross Section
84-Po-208
-55.96 To 0.000 %
Min
Ratio
TENDL Threshold 3.1600 MeV
JEFF3.3 Threshold 3.1600 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.2
0.8
0.4
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
51
84-Po-208

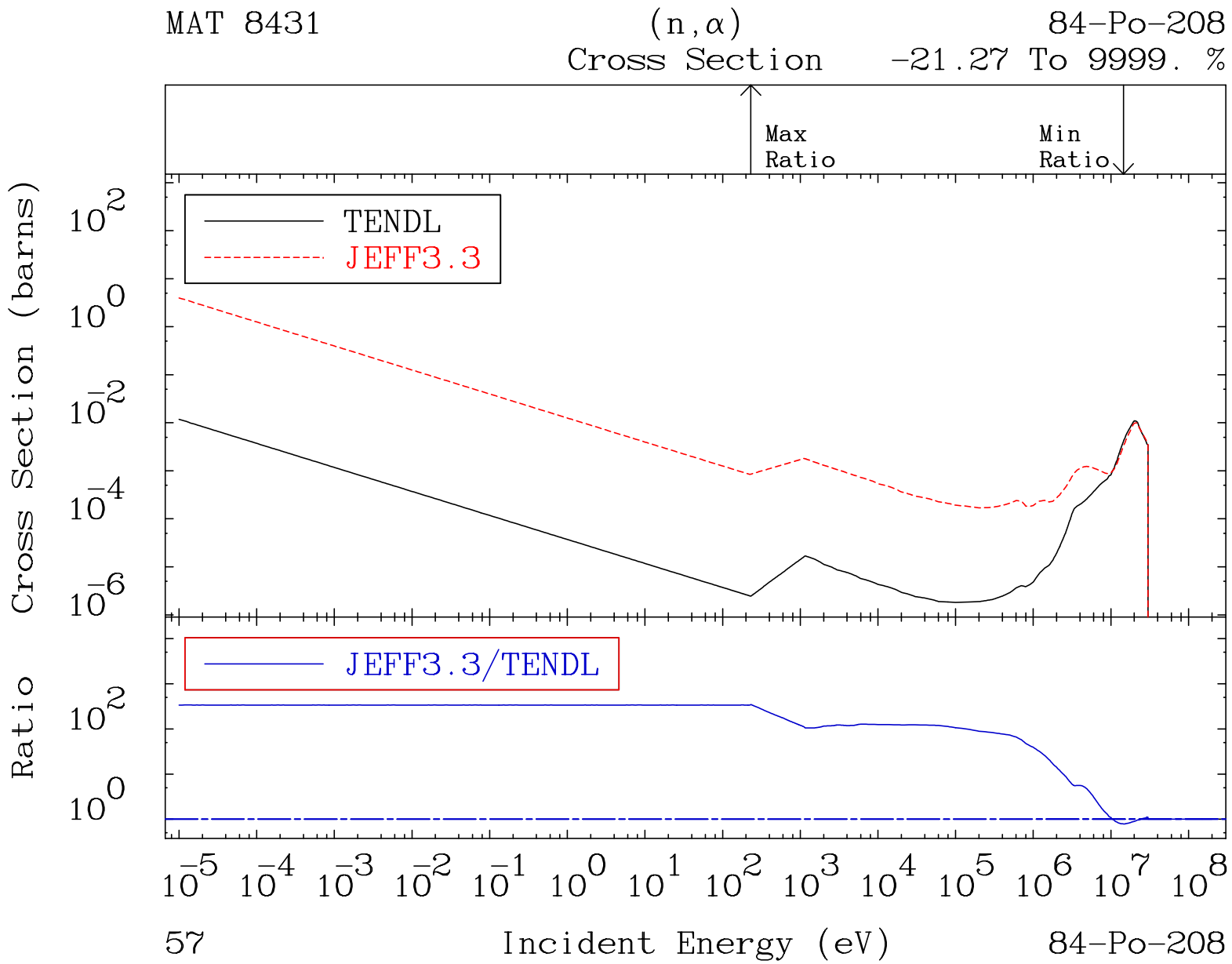

MAT 8431
(n,γ)
Cross Section
84-Po-208
-99.96 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
84-Po-208

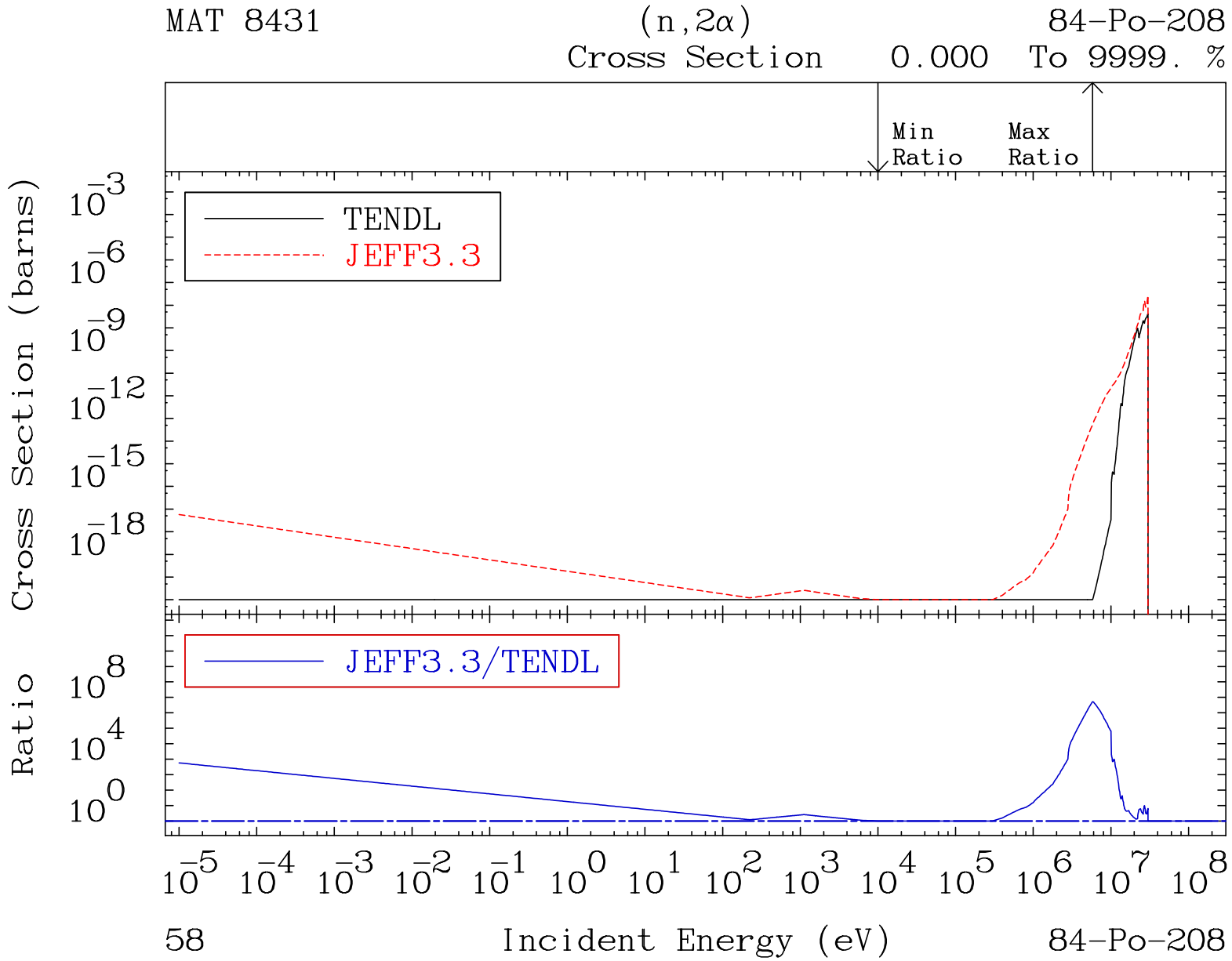

MAT 8431
(n,p)
84-Po-208
Cross Section
-5.644 To 450.8 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
84-Po-208

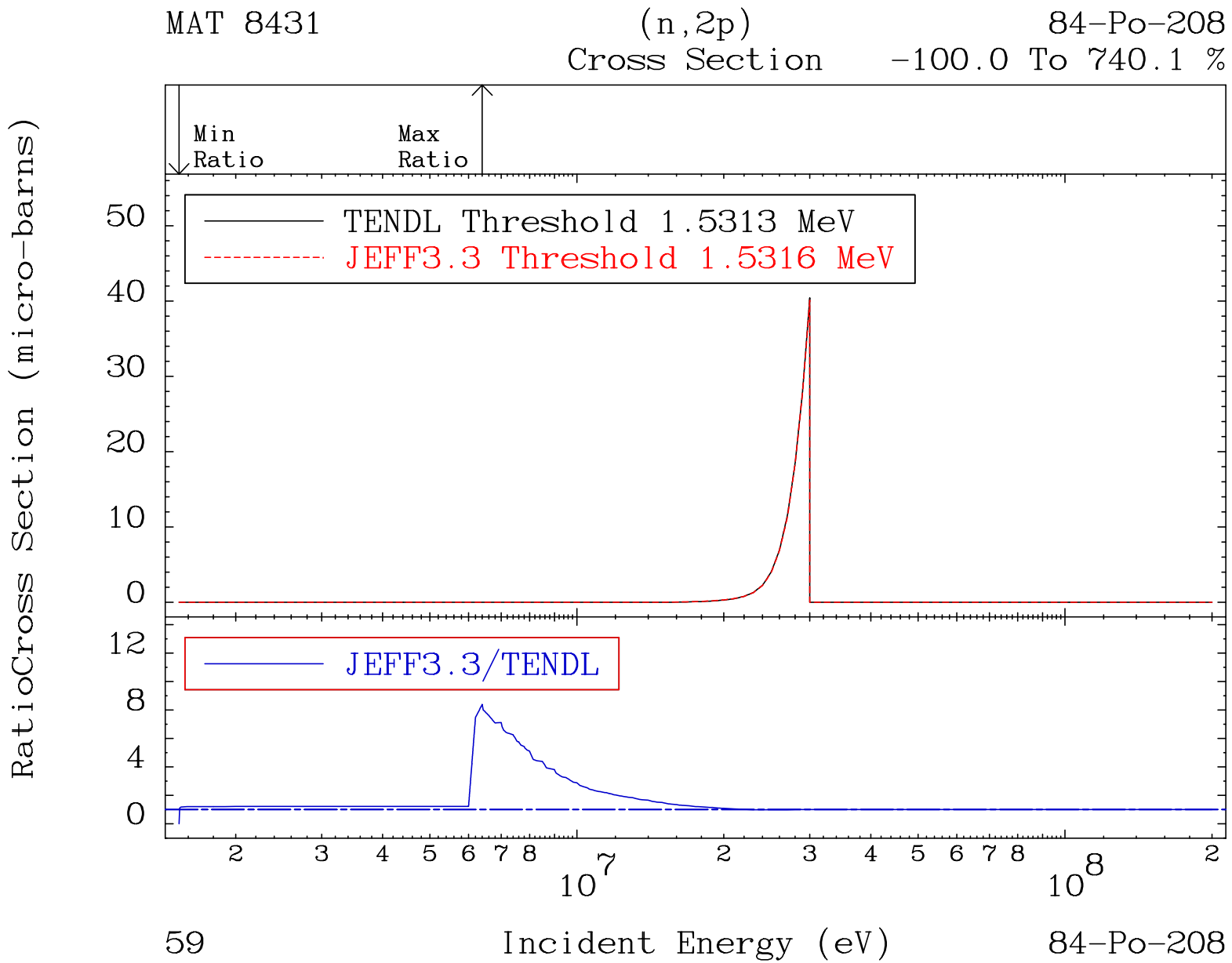

MAT 8431
(n,d)
84-Po-208
Cross Section
-100.0 To 93.78 %
Min Ratio
Max Ratio
TENDL Threshold 2.4911 MeV
JEFF3.3 Threshold 2.4915 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
54
84-Po-208

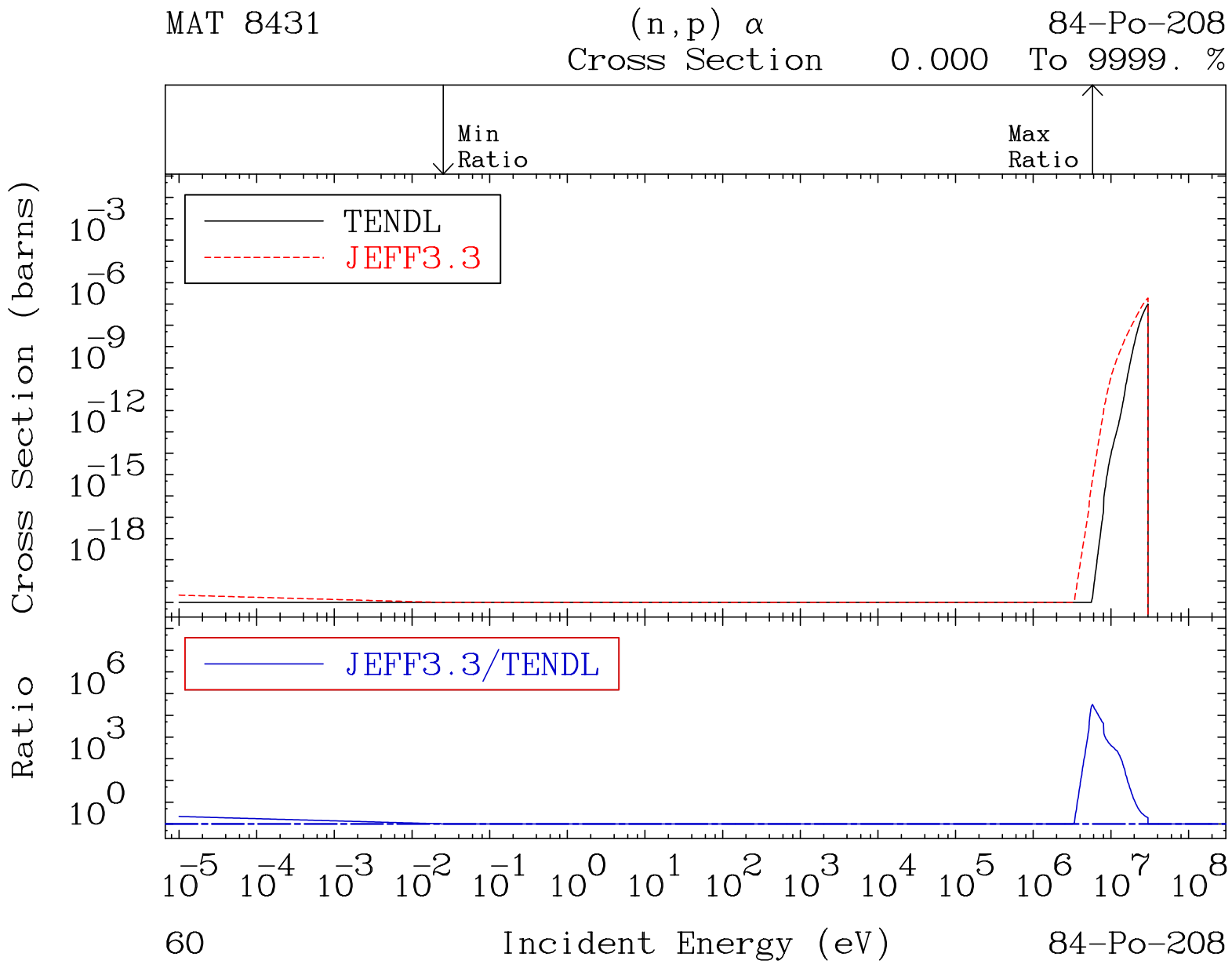

MAT 8431
(n,t)
Cross Section
84-Po-208
-100.0 To 350.2 %
Min Ratio
Max Ratio
TENDL Threshold 4.3404 MeV
JEFF3.3 Threshold 4.3404 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
55
84-Po-208

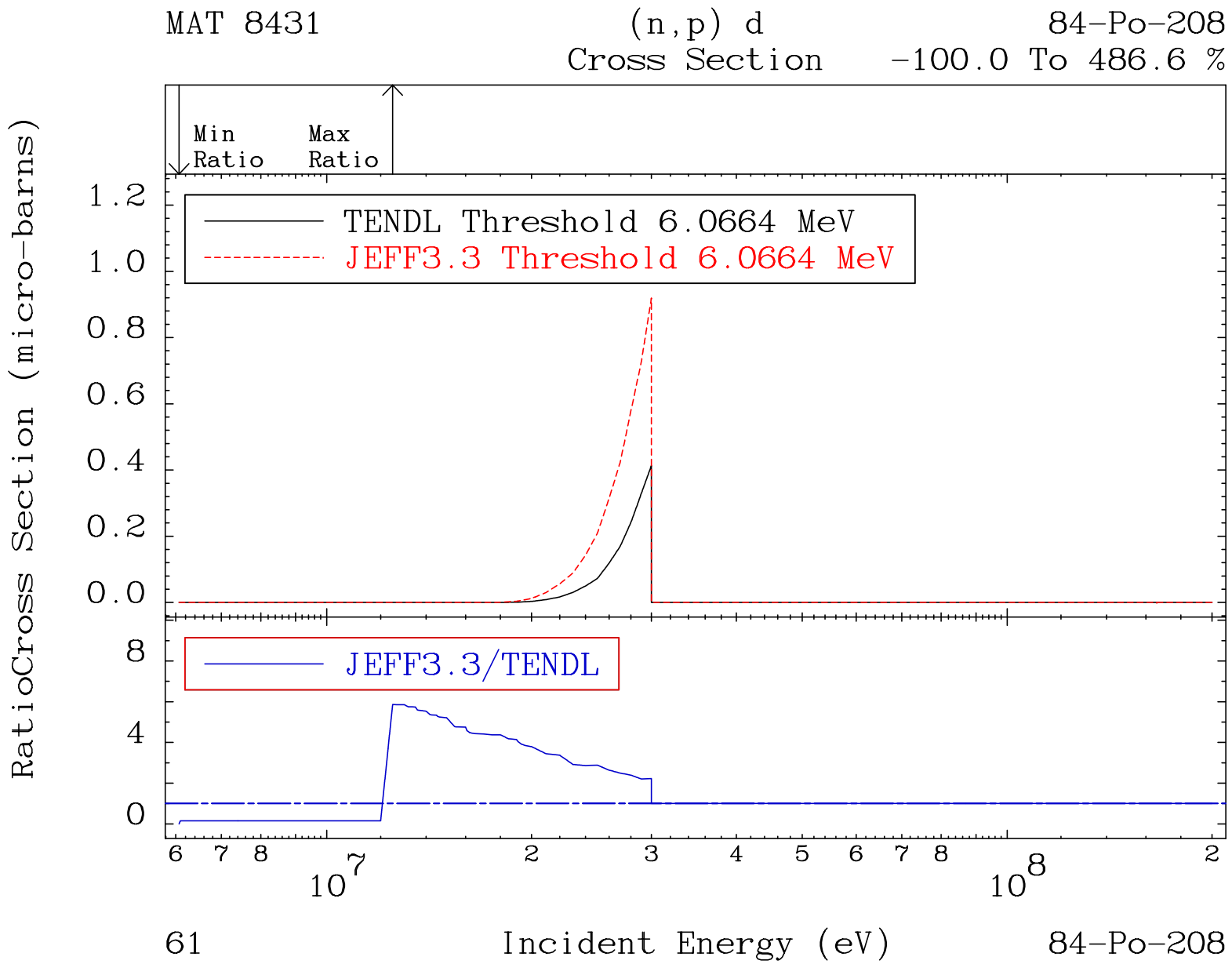

MAT 8431
(n,He-3)
Cross Section
84-Po-208
-100.0 To 74.46 %
Min Ratio
Max Ratio
TENDL Threshold 546.24 keV
JEFF3.3 Threshold 546.61 keV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
800
600
400
200
0
2.0
1.0
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
56
Incident Energy (eV)
84-Po-208

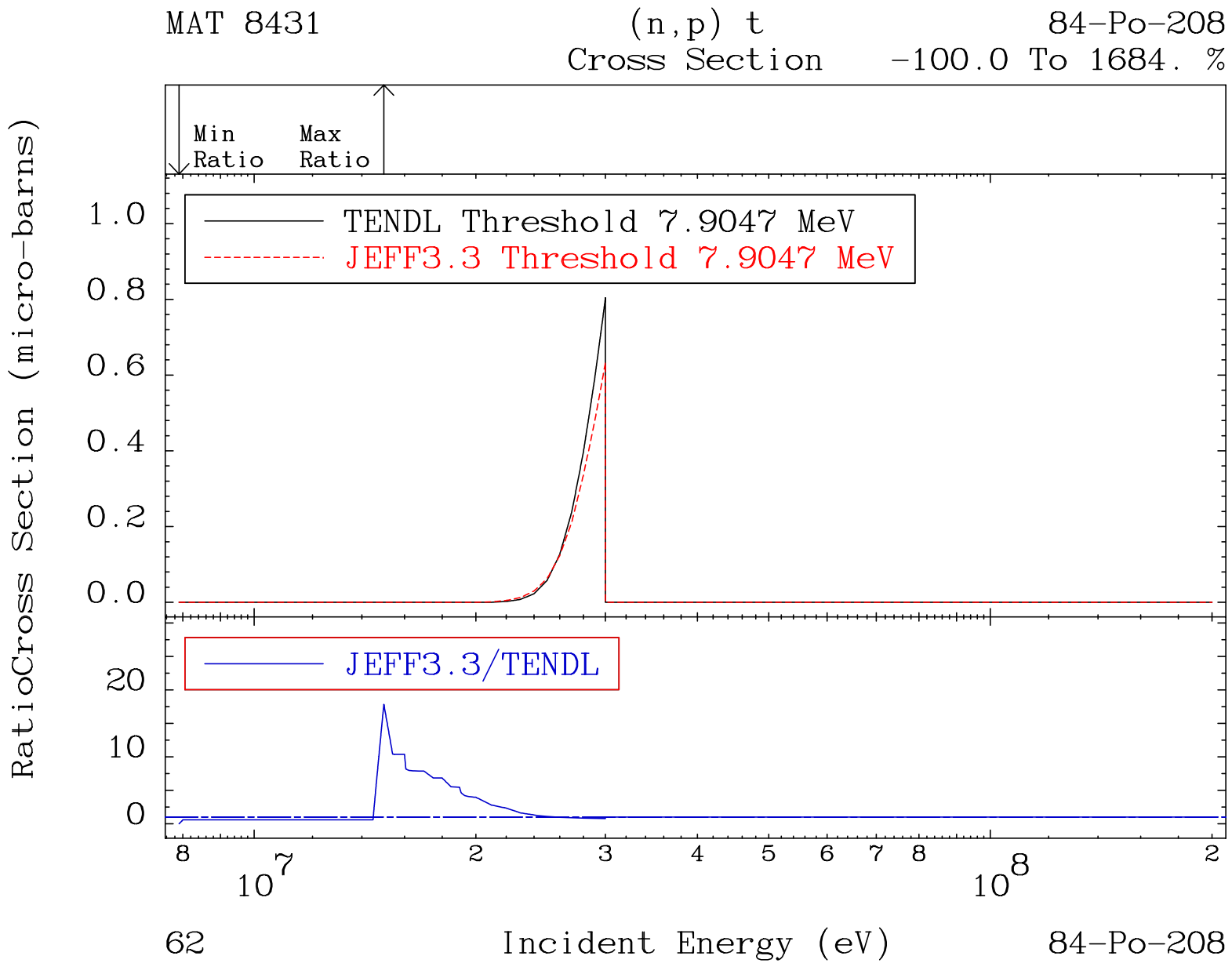

MAT 8431
(n,α)
Cross Section
84-Po-208
-21.27 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
84-Po-208

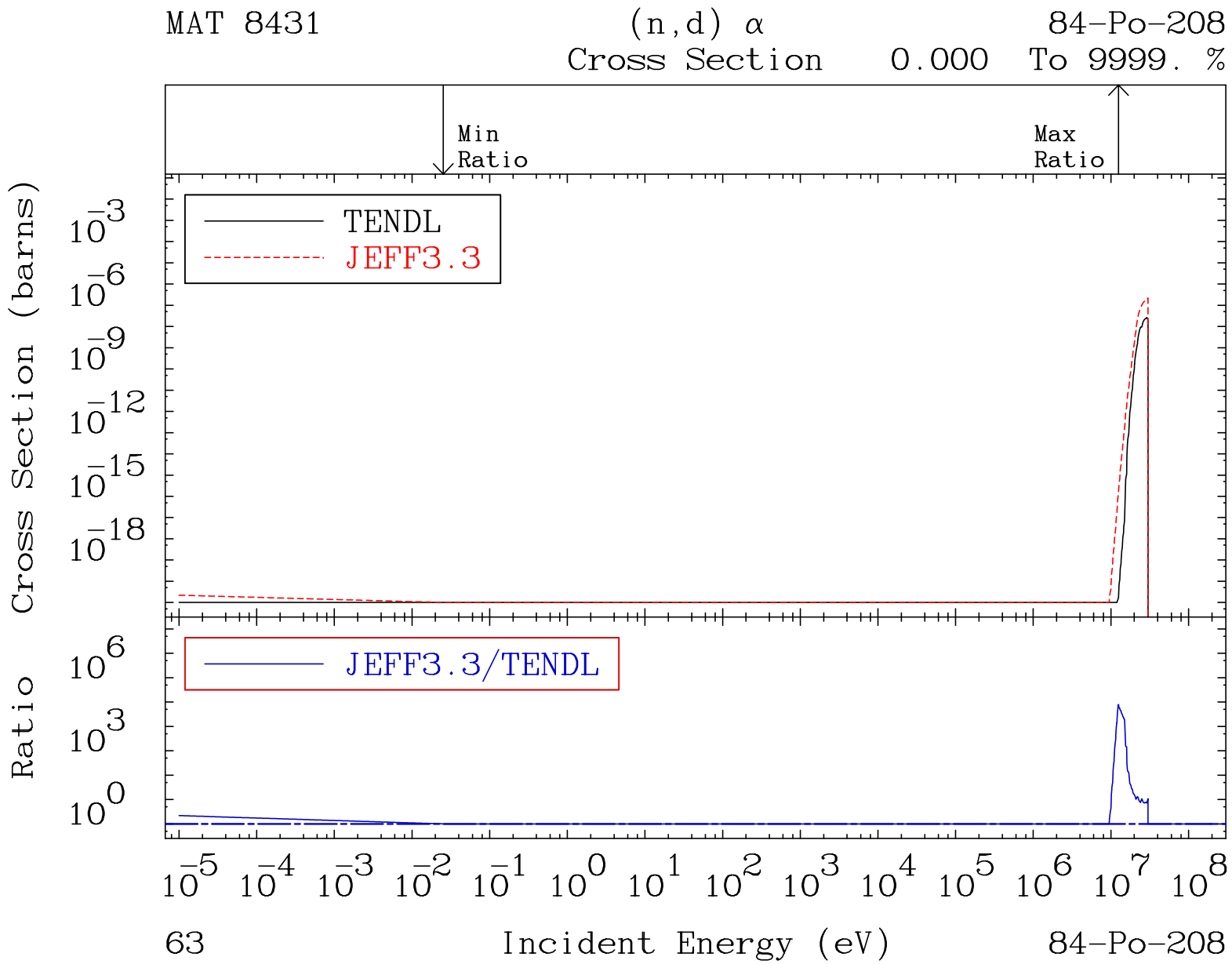

MAT 8431
(n,2α)
84-Po-208
Cross Section 0.000 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
84-Po-208

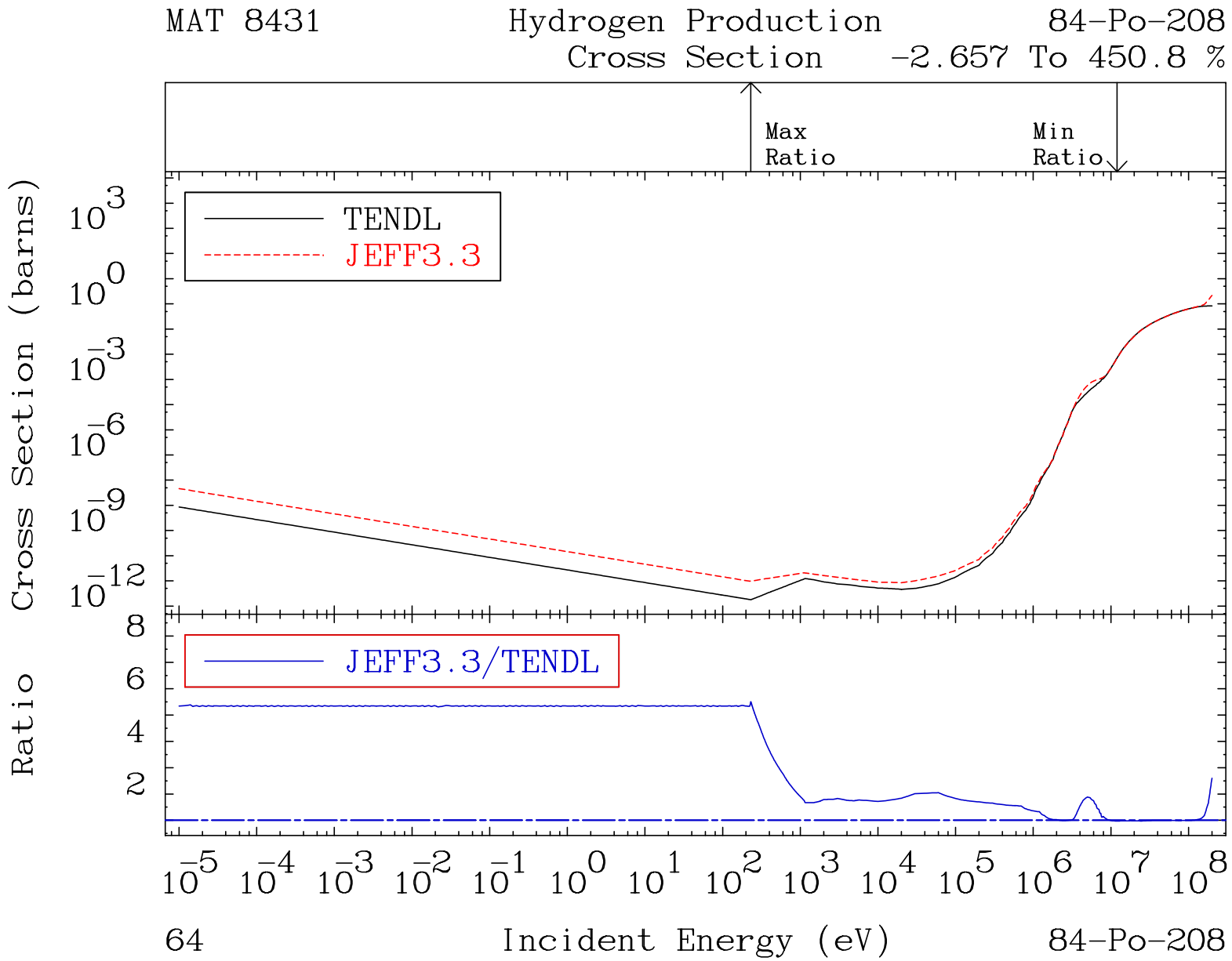

MAT 8431
(n,2p)
84-Po-208
Cross Section
-100.0 To 740.1 %
Min Ratio
Max Ratio
TENDL Threshold 1.5313 MeV
JEFF3.3 Threshold 1.5316 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
50
40
30
20
10
0
12
8
4
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
59
Incident Energy (eV)
84-Po-208

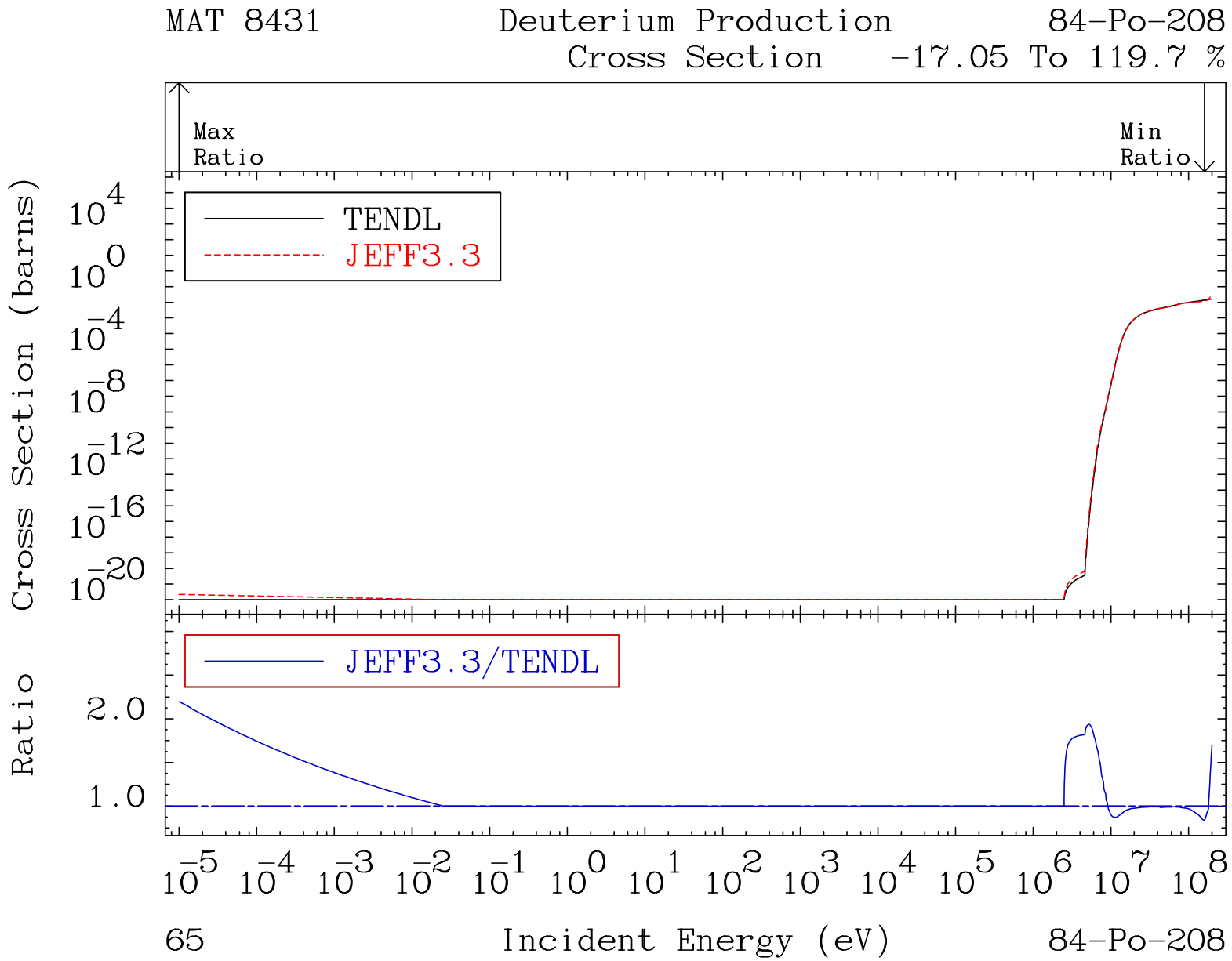

MAT 8431
(n,p) α
84-Po-208
Cross Section 0.000 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
84-Po-208

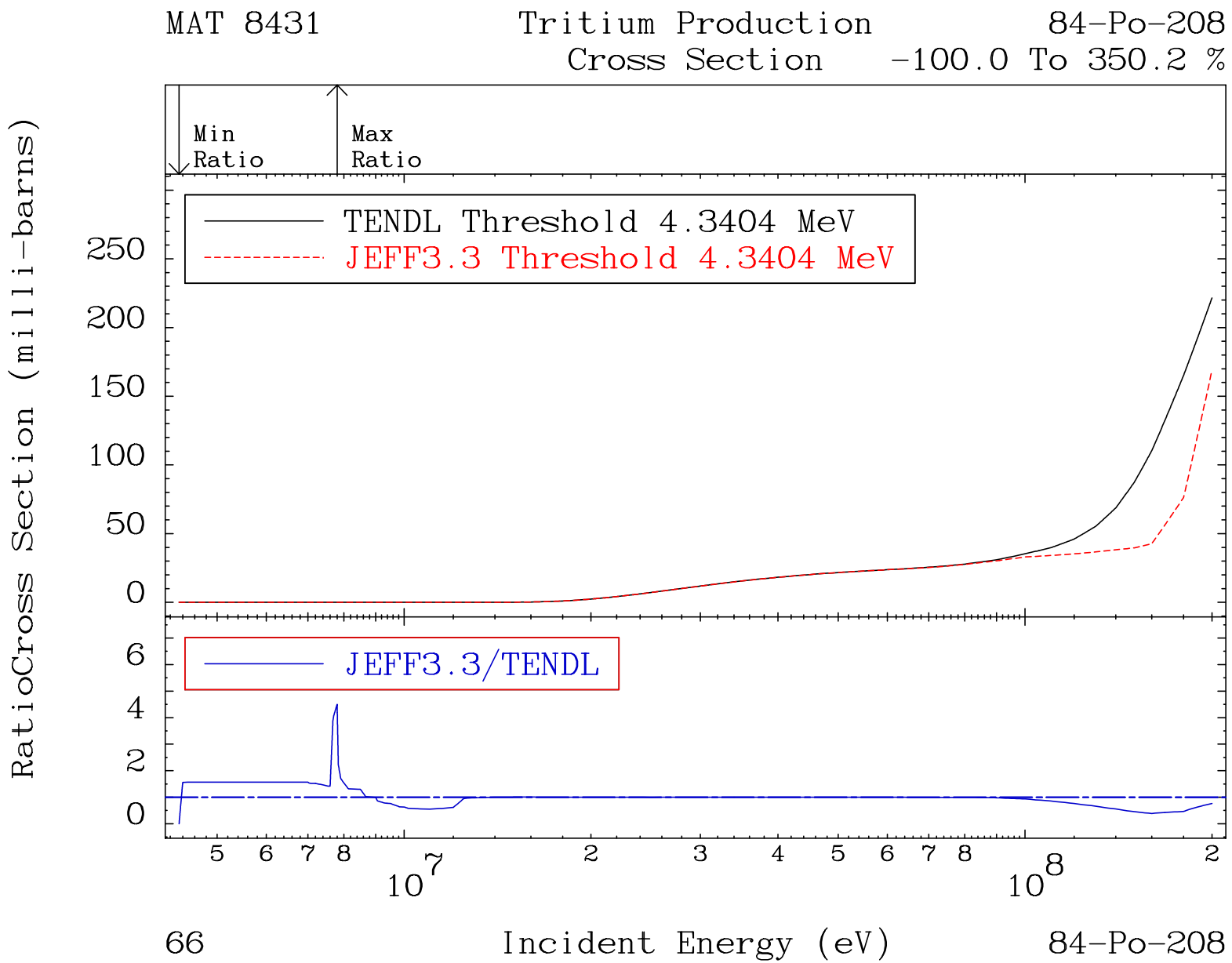

MAT 8431
(n,p) d
Cross Section
84-Po-208
-100.0 To 486.6 %
Min Ratio
Max Ratio
TENDL Threshold 6.0664 MeV
JEFF3.3 Threshold 6.0664 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
8
4
0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
61
Incident Energy (eV)
84-Po-208

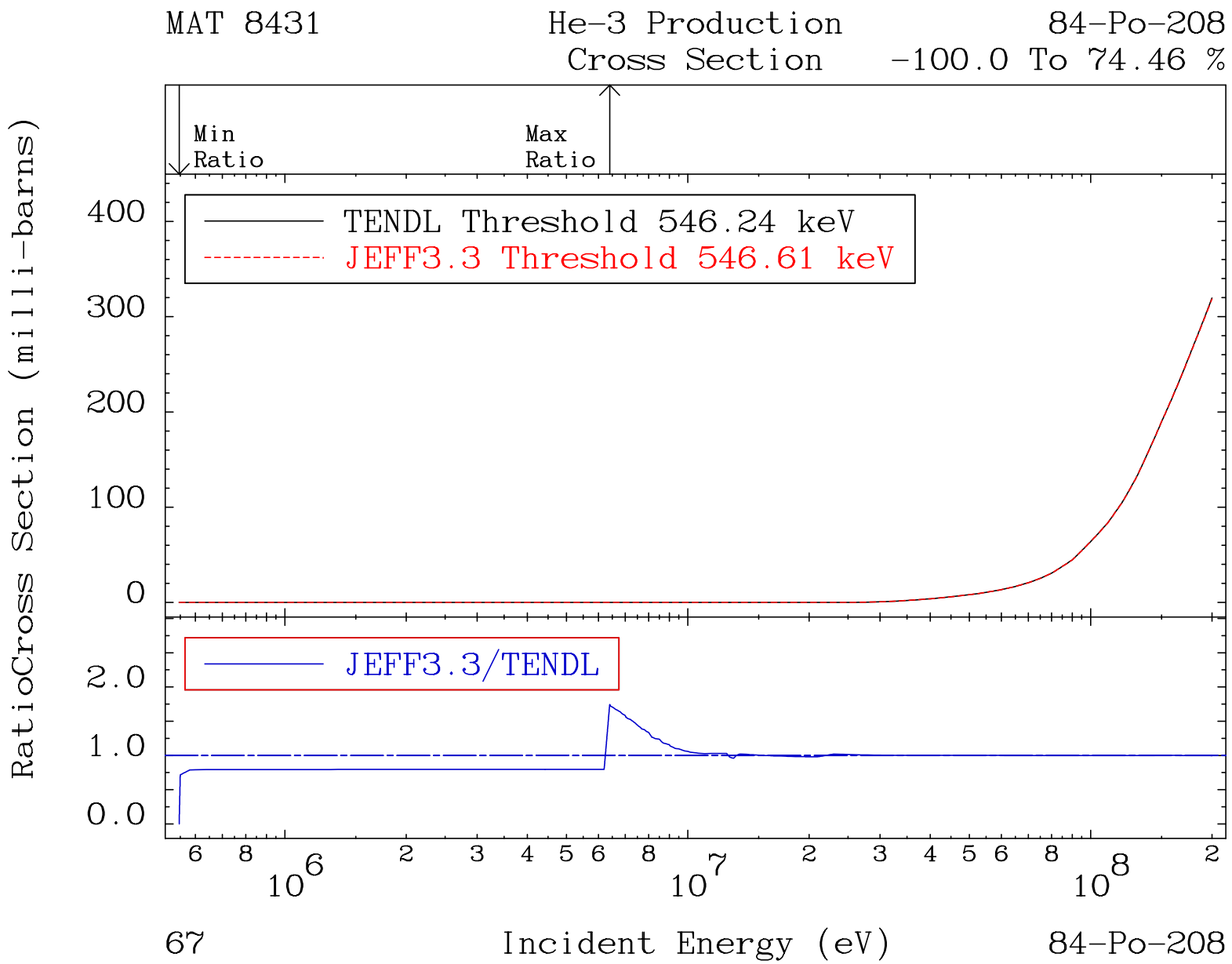

MAT 8431
(n,p) t
84-Po-208
Cross Section
-100.0 To 1684. %
Min Ratio
Max Ratio
TENDL Threshold 7.9047 MeV
JEFF3.3 Threshold 7.9047 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
1.0
0.8
0.6
0.4
0.2
0.0
20
10
0
8
2
3
4
5
6
7
8
2
10^7
10^8
62
Incident Energy (eV)
84-Po-208

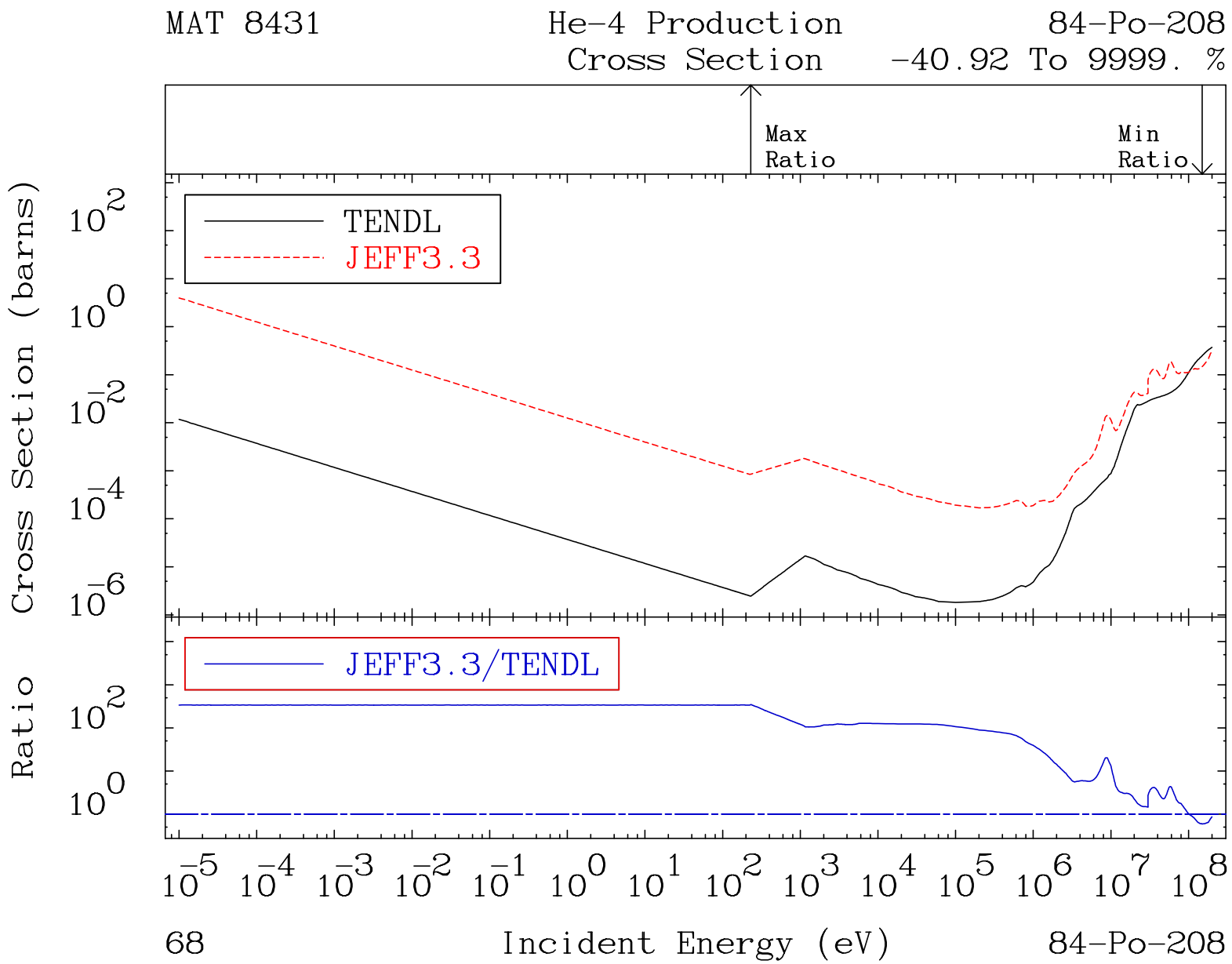

MAT 8431
(n,d) α
84-Po-208
Cross Section 0.000 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
84-Po-208

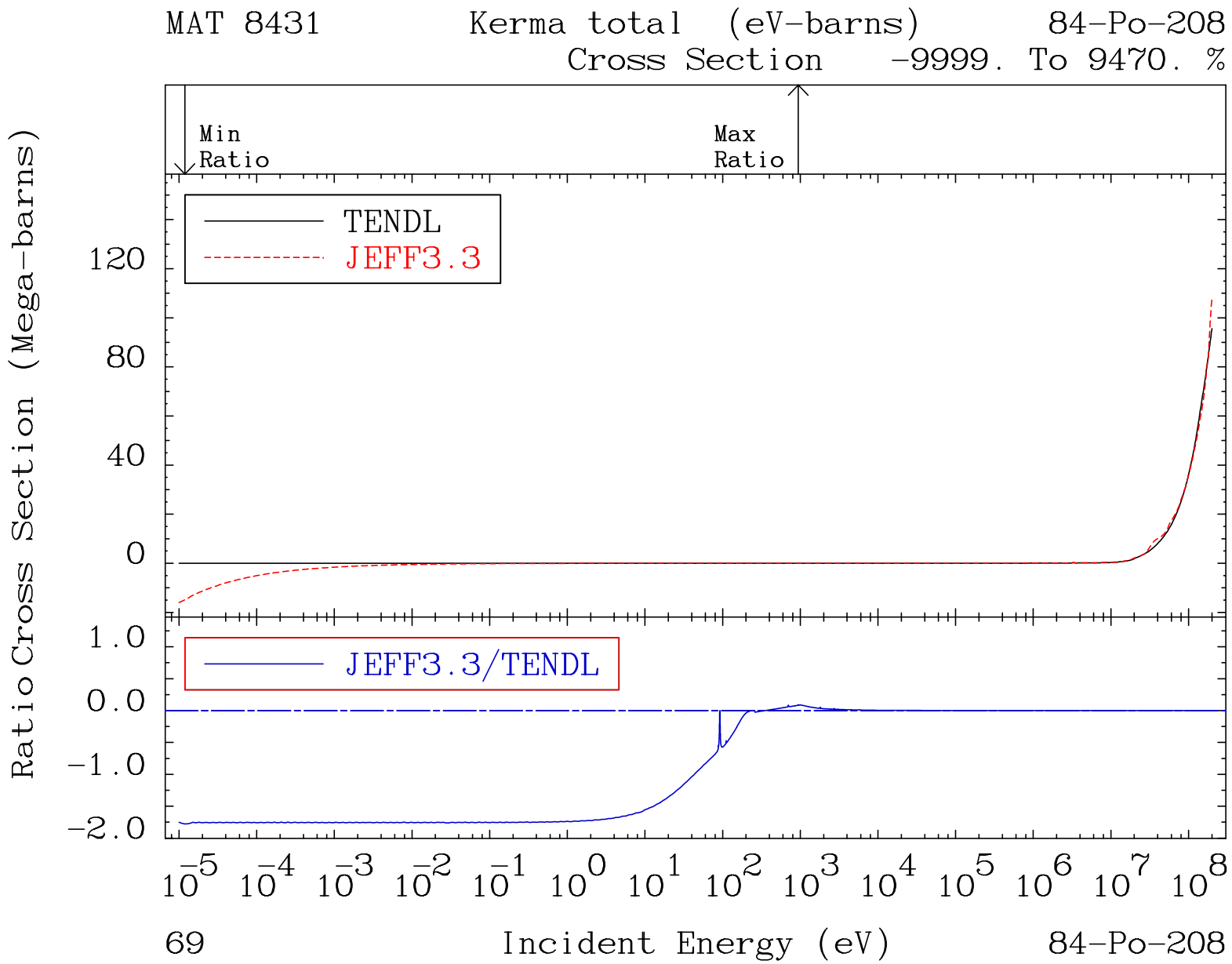

MAT 8431
Hydrogen Production
84-Po-208
Cross Section
-2.657 To 450.8 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
84-Po-208

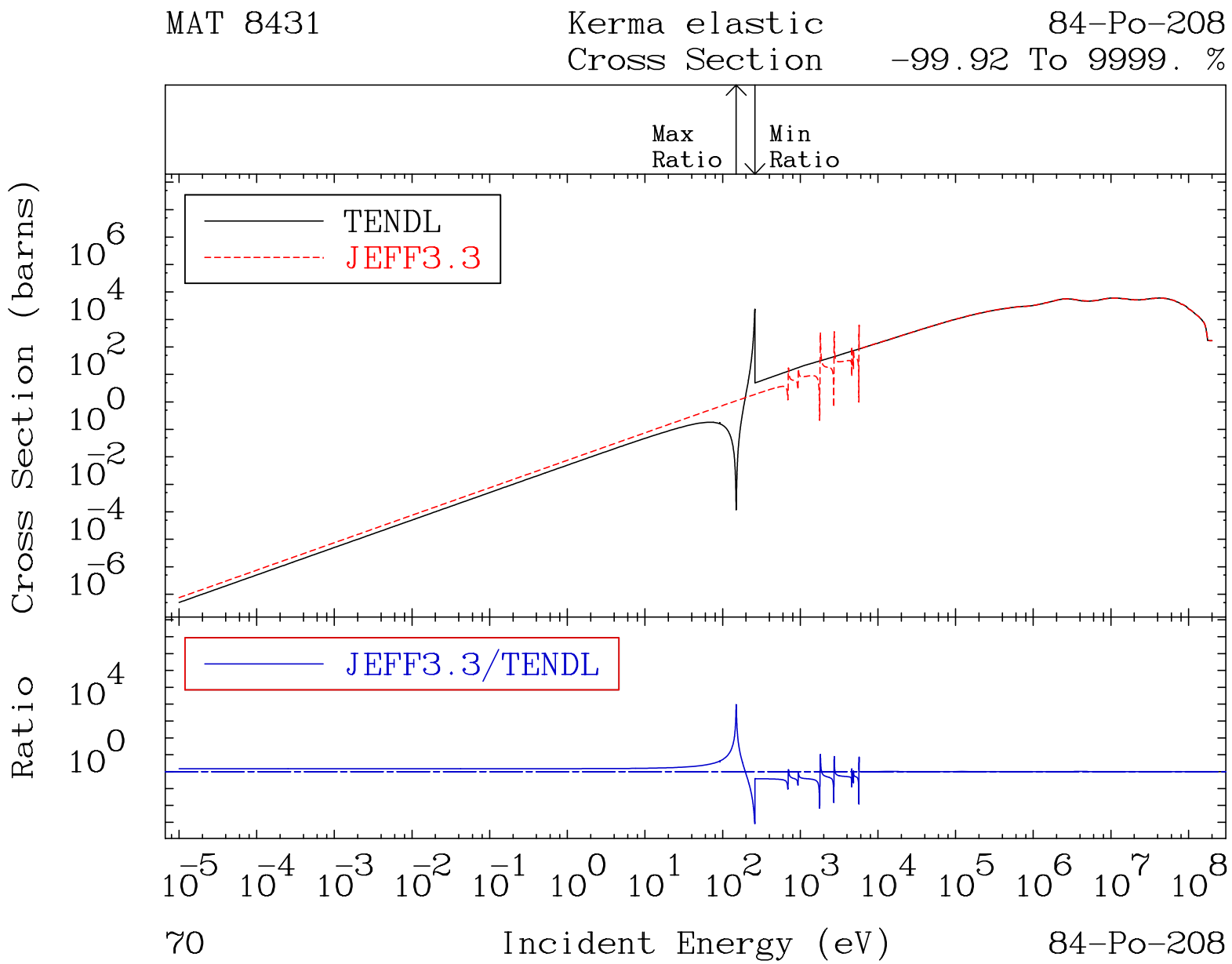

MAT 8431
Deuterium Production
84-Po-208
Cross Section
-17.05 To 119.7 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
65
84-Po-208

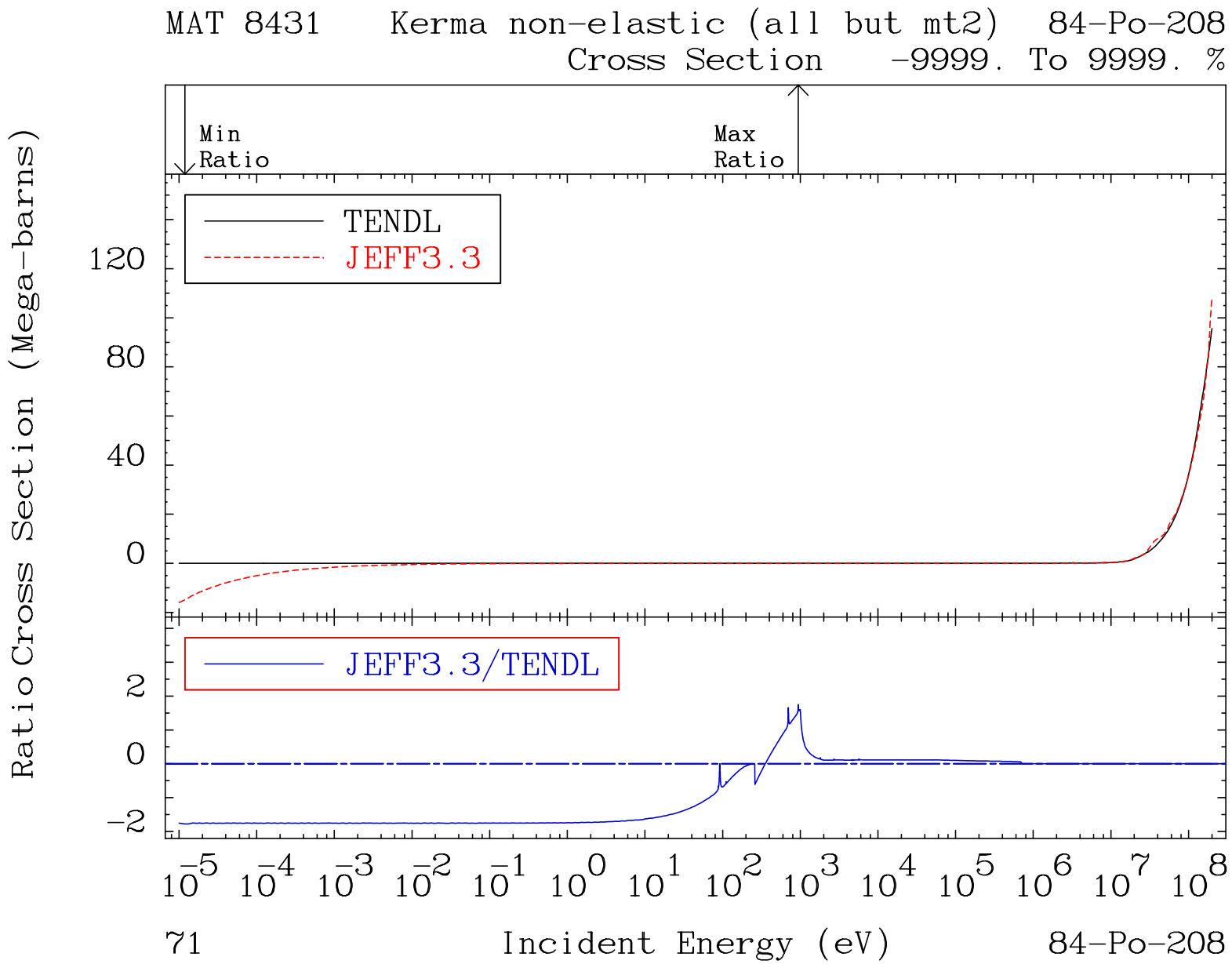

MAT 8431
Tritium Production
84-Po-208
Cross Section
-100.0 To 350.2 %
Min Ratio
Max Ratio
TENDL Threshold 4.3404 MeV
JEFF3.3 Threshold 4.3404 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
6
4
2
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
66
Incident Energy (eV)
84-Po-208

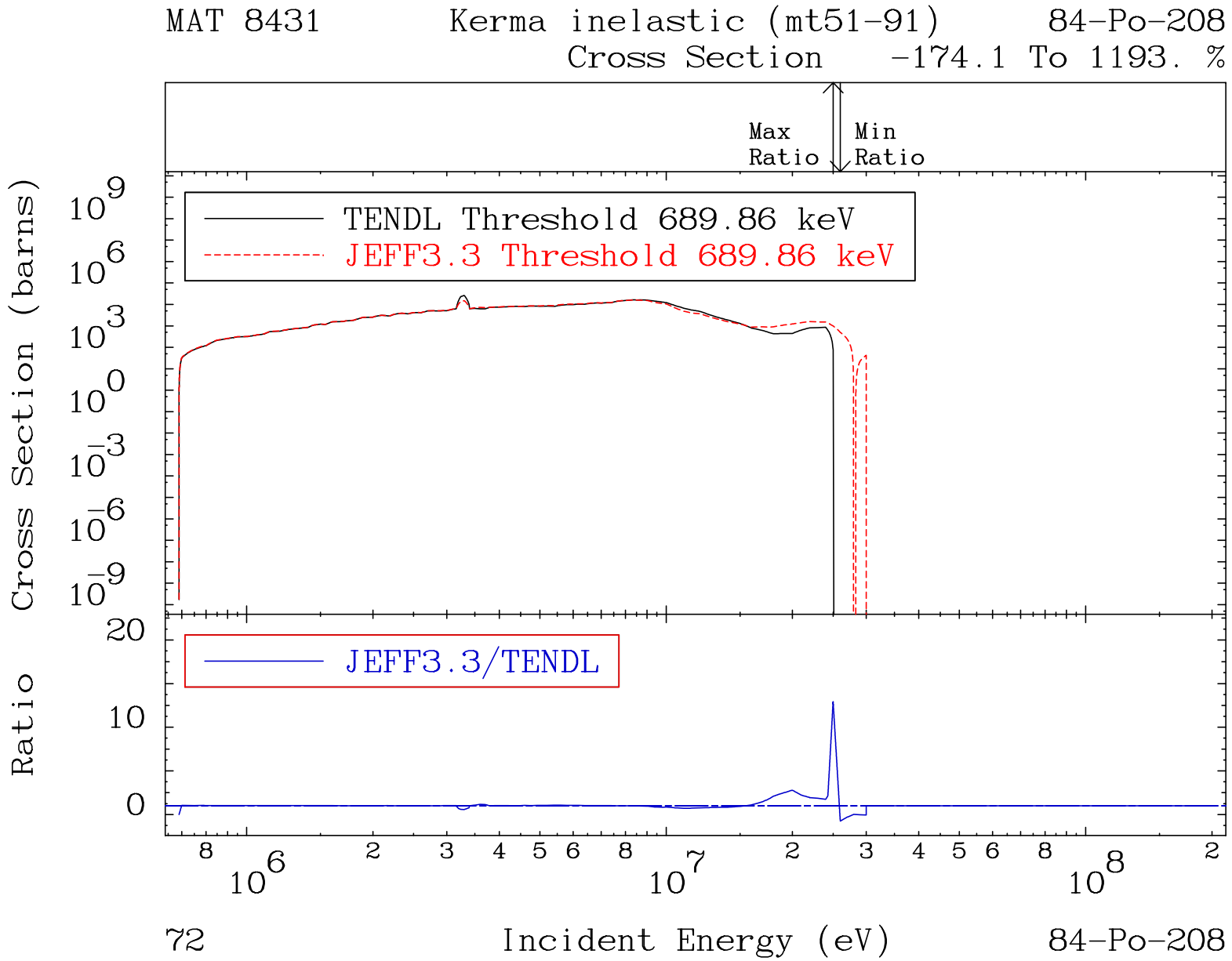

MAT 8431
He-3 Production
Cross Section
84-Po-208
-100.0 To 74.46 %
Min Ratio
Max Ratio
TENDL Threshold 546.24 keV
JEFF3.3 Threshold 546.61 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
2.0
1.0
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
67
Incident Energy (eV)
84-Po-208

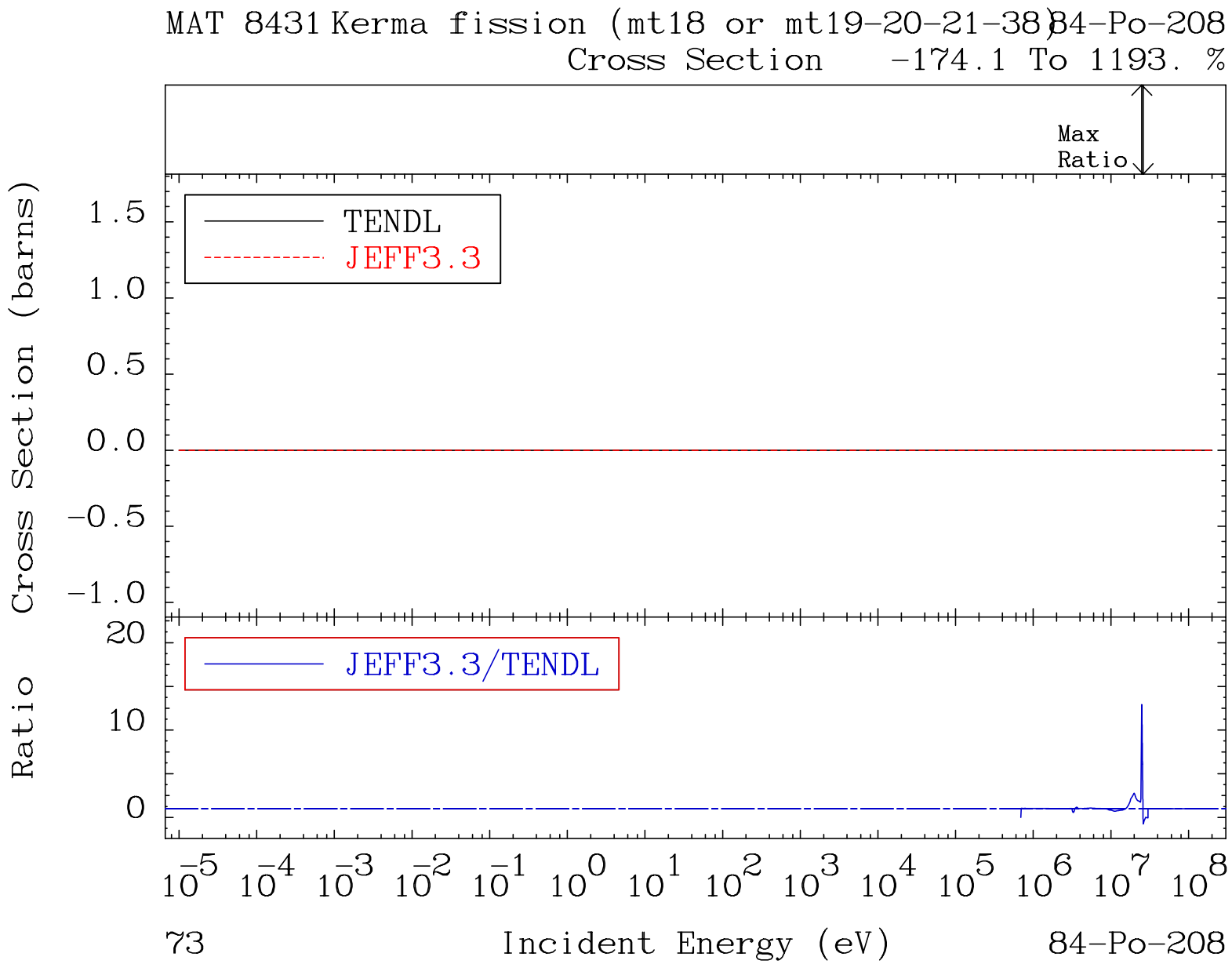

MAT 8431
He-4 Production
Cross Section
84-Po-208
-40.92 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
68
84-Po-208

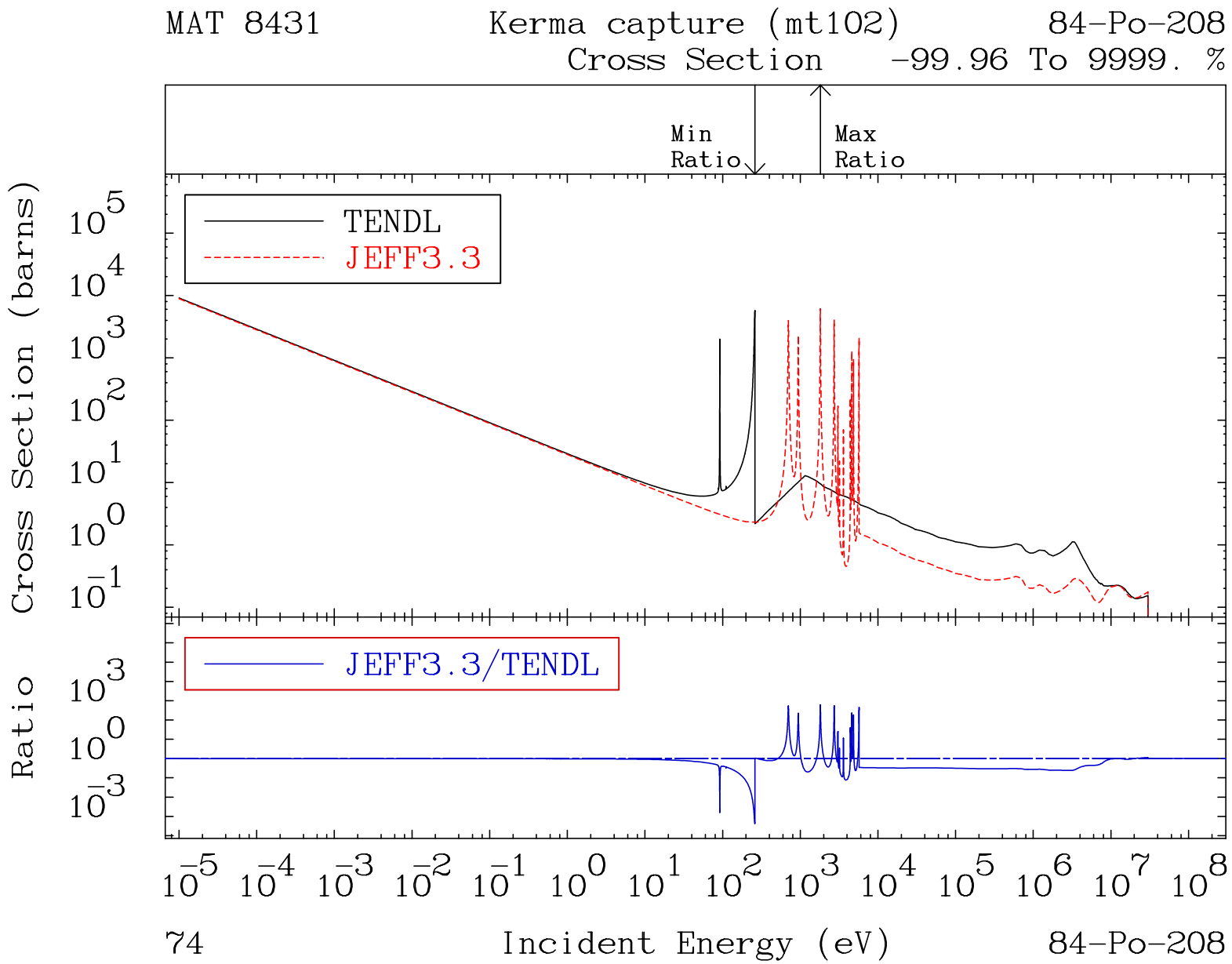

MAT 8431
Kerma total (eV-barns)
84-Po-208
Cross Section -9999. To 9470. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Ratio Cross Section (Mega-barns)
120
80
40
0
1.0
0.0
-1.0
-2.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
69
Incident Energy (eV)
84-Po-208

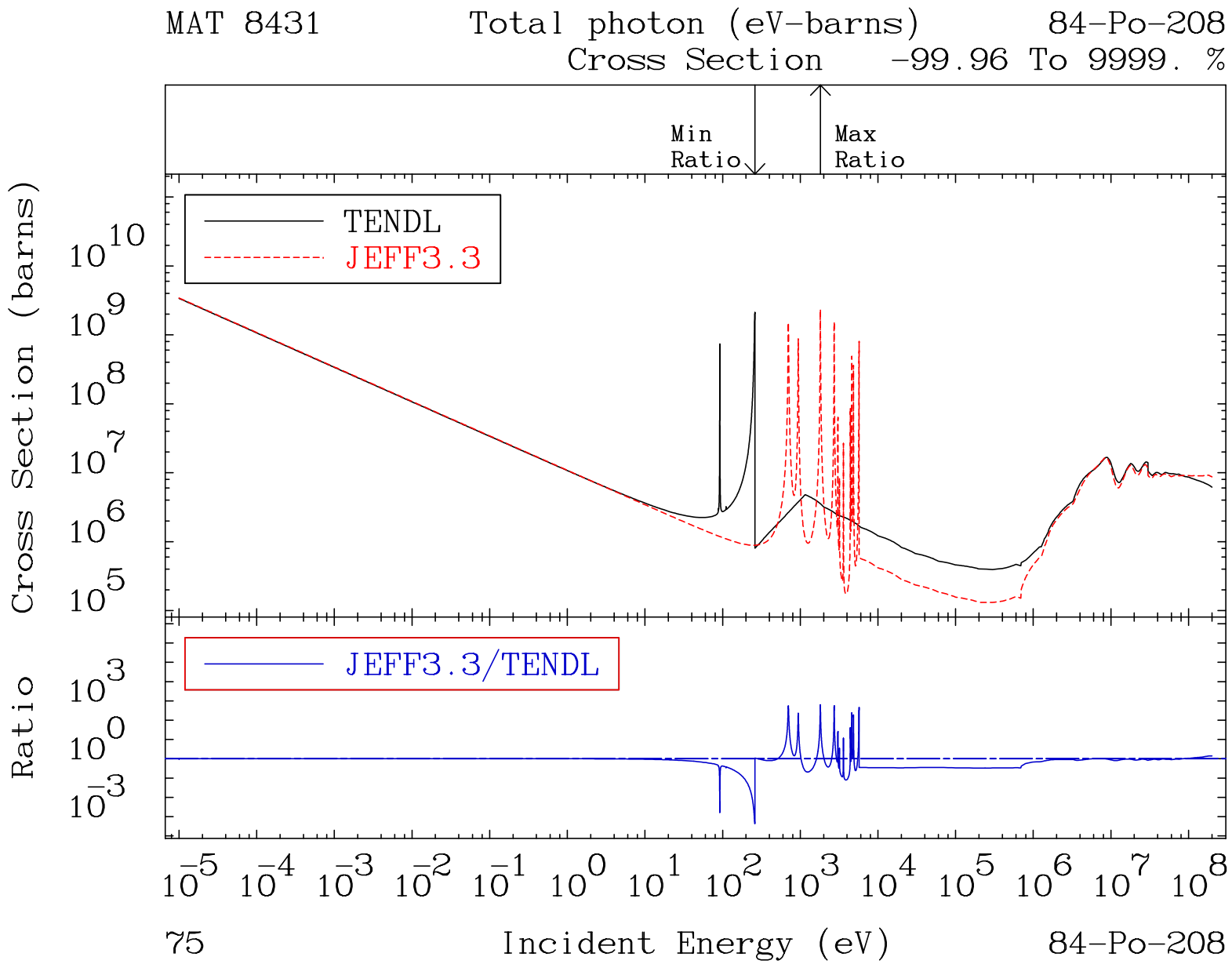

MAT 8431
Kerma elastic
Cross Section
84-Po-208
-99.92 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
70
84-Po-208

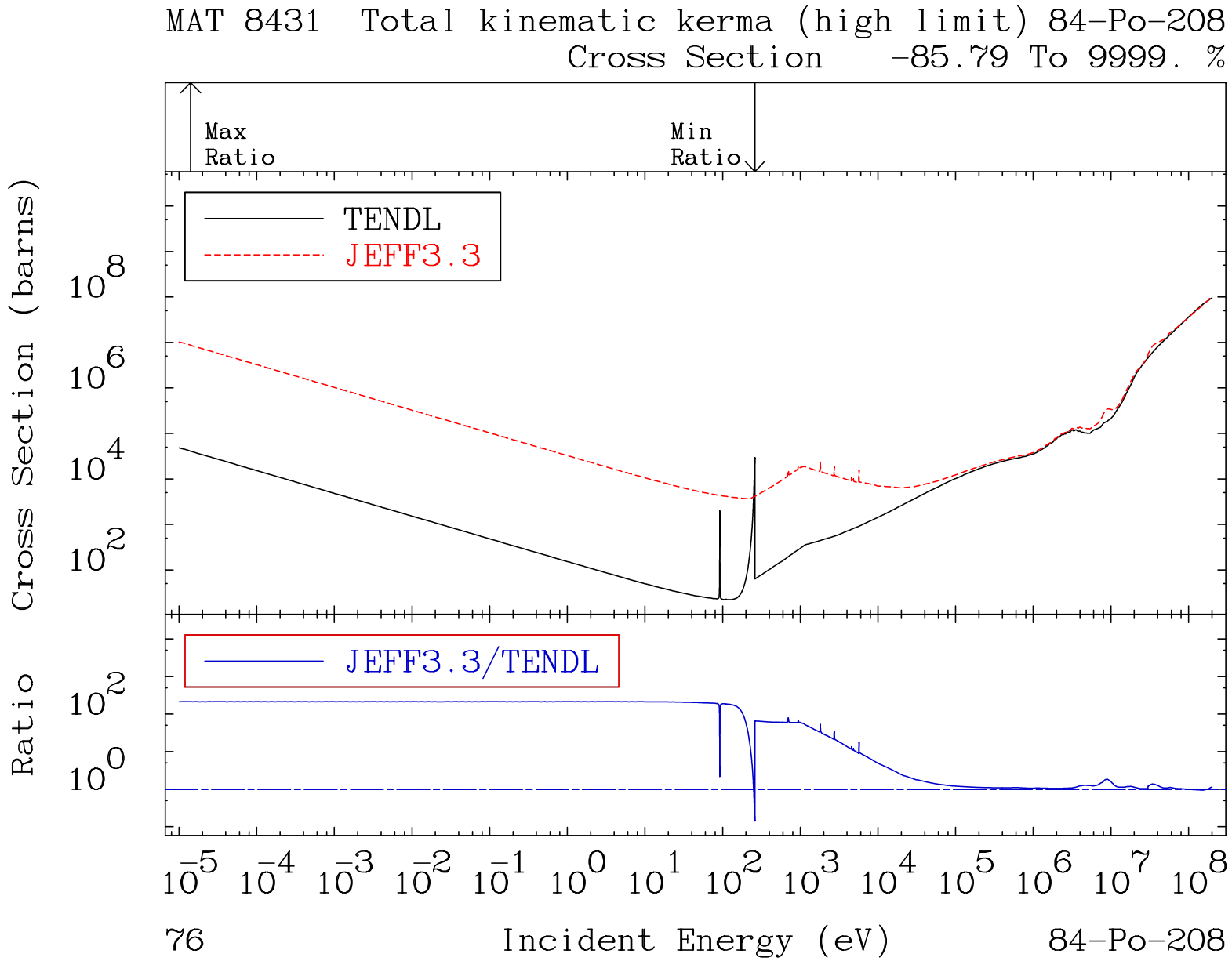

MAT 8431 Kerma non-elastic (all but mt2) 84-Po-208
Cross Section -9999. To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Ratio Cross Section (Mega-barns)
120
80
40
0
2
0
-2
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
71
Incident Energy (eV)
84-Po-208

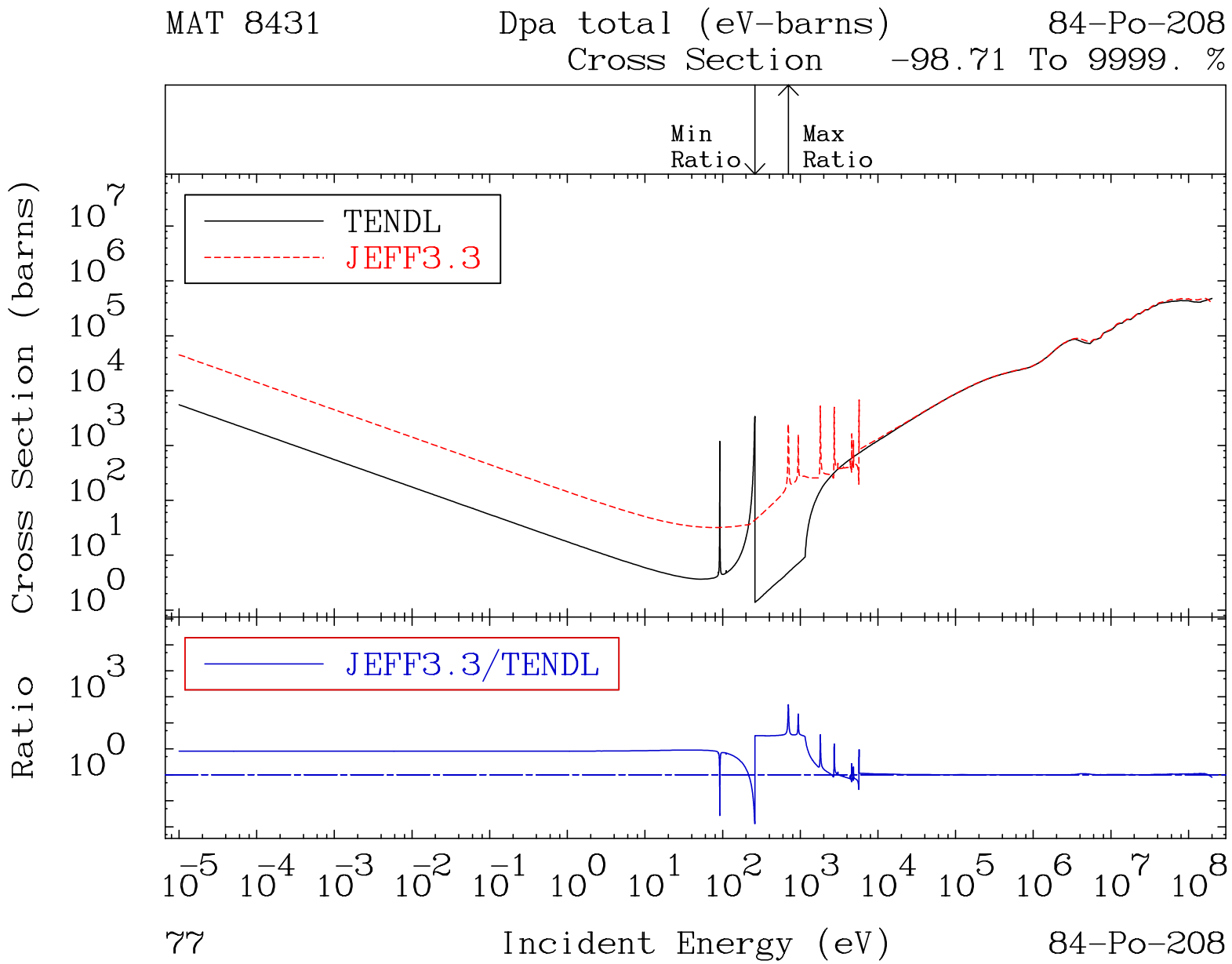

MAT 8431
Kerma inelastic (mt51-91)
84-Po-208
Cross Section -174.1 To 1193. %
Max Ratio
Min Ratio
TENDL Threshold 689.86 keV
JEFF3.3 Threshold 689.86 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
72
84-Po-208

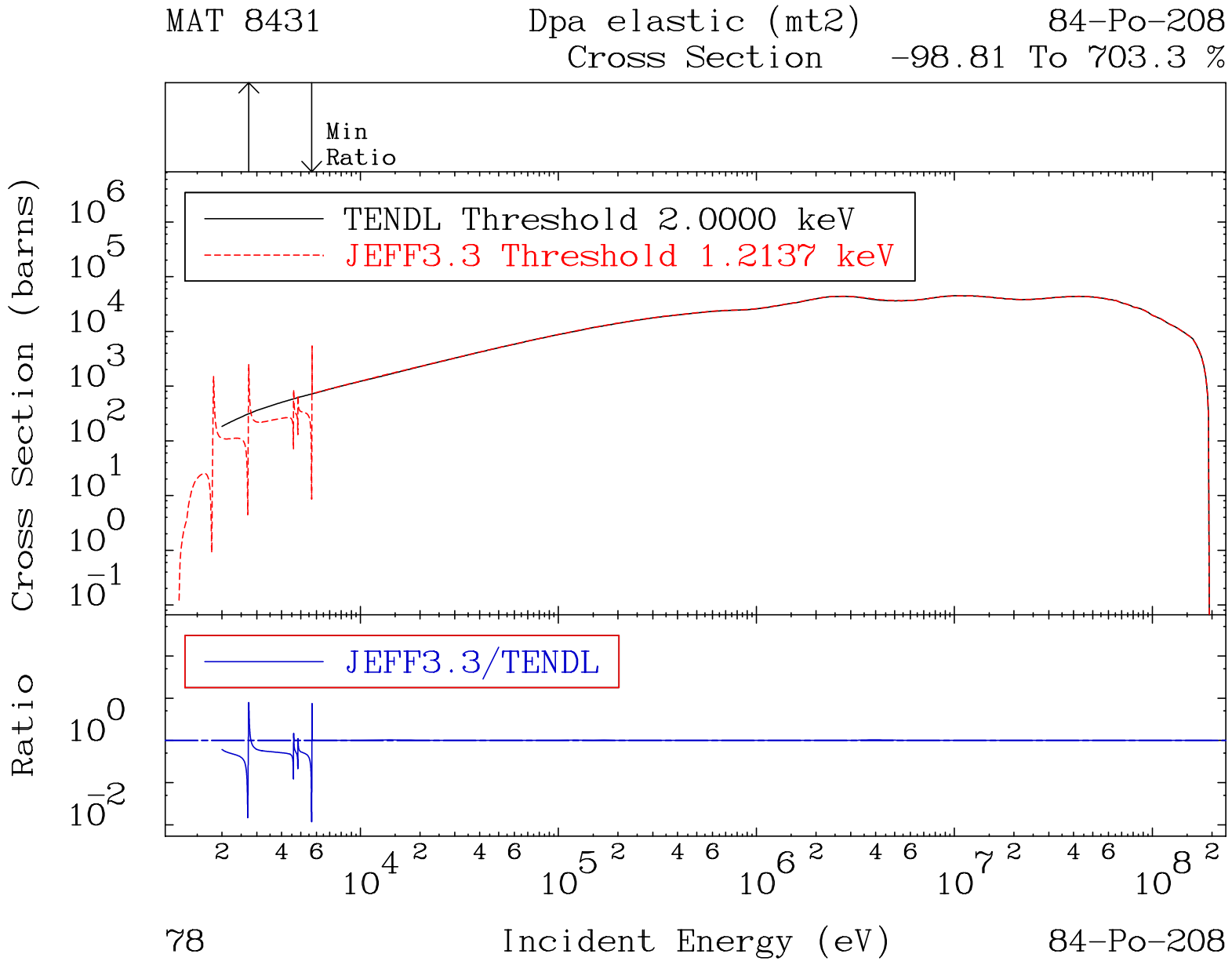

MAT 8431 Kerma fission (mt18 or mt19-20-21-38) 84-Po-208
Cross Section -174.1 To 1193. %
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
20
10
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
73
Incident Energy (eV)
84-Po-208

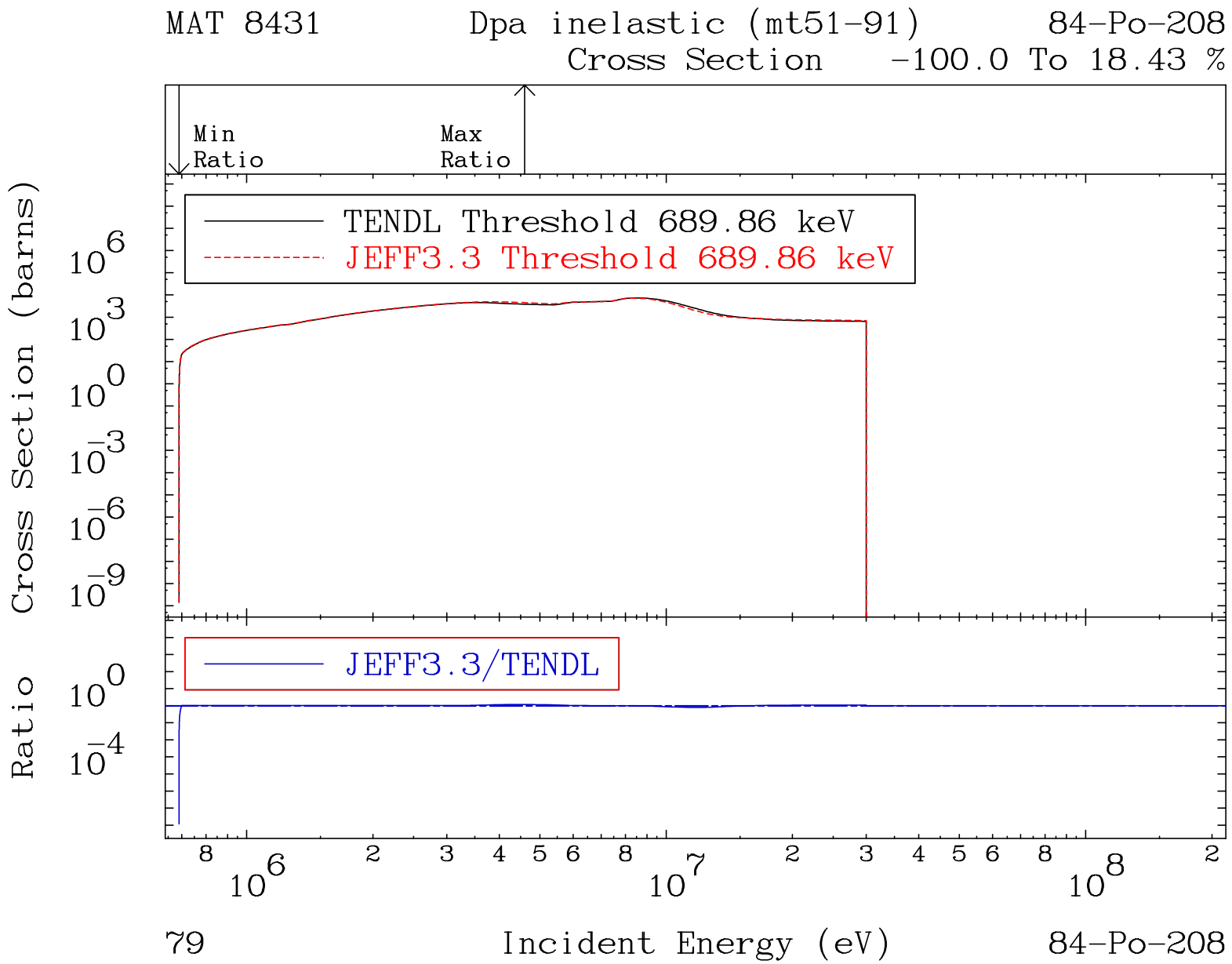

MAT 8431
Kerma capture (mt102)
84-Po-208
Cross Section -99.96 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
74
84-Po-208

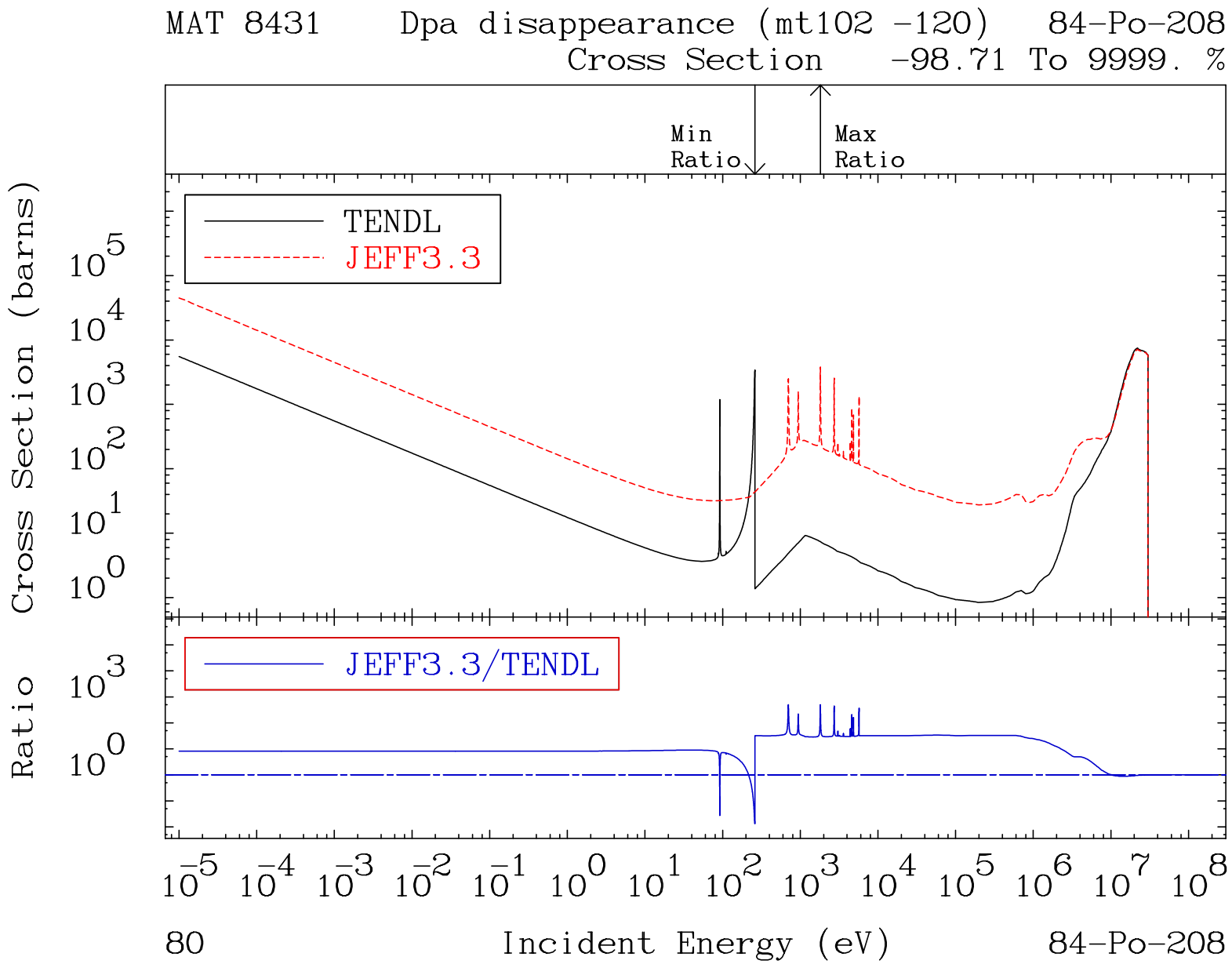

MAT 8431
Total photon (eV-barns)
84-Po-208
Cross Section -99.96 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
75
84-Po-208

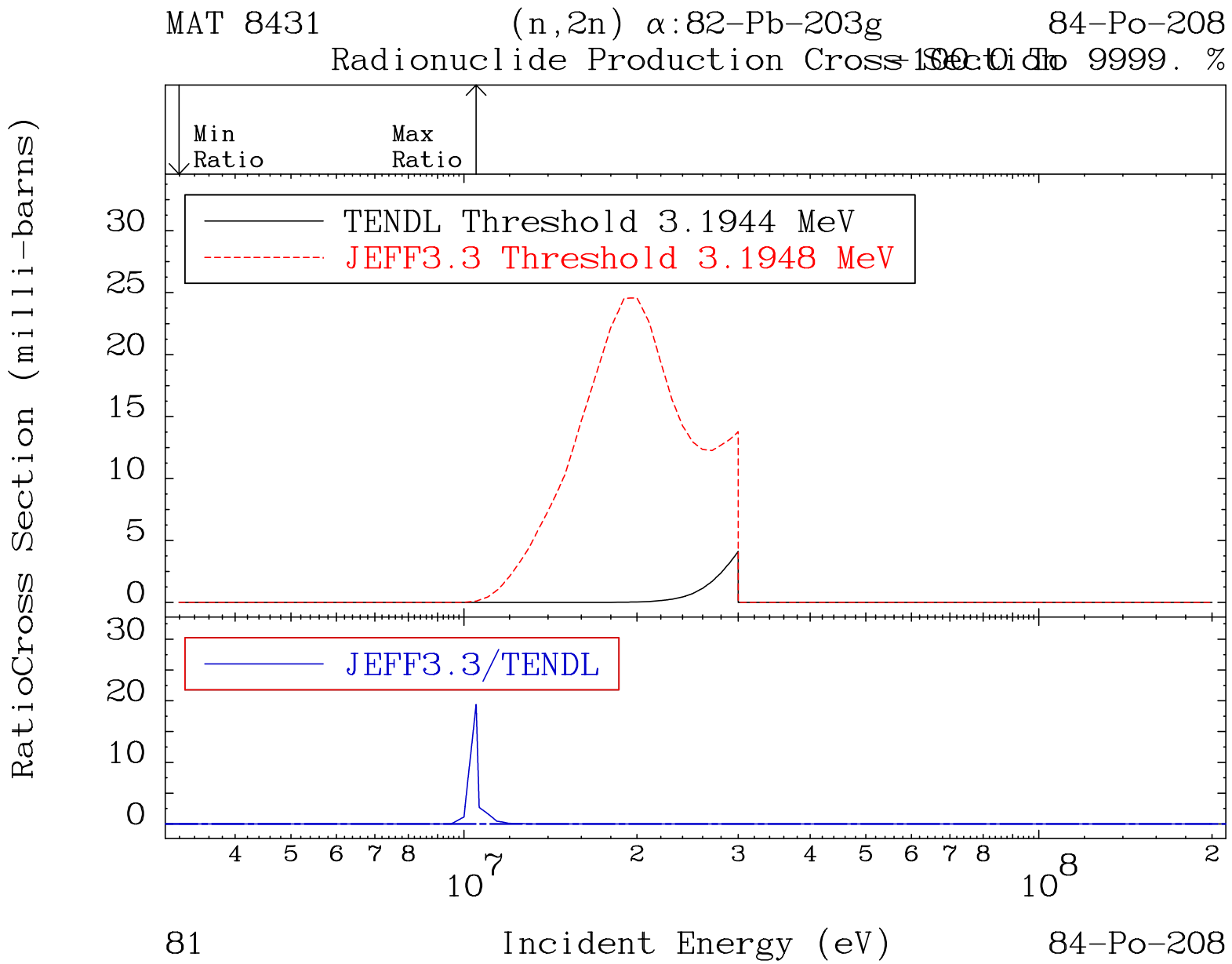

MAT 8431 Total kinematic kerma (high limit) 84-Po-208
Cross Section -85.79 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
76
84-Po-208

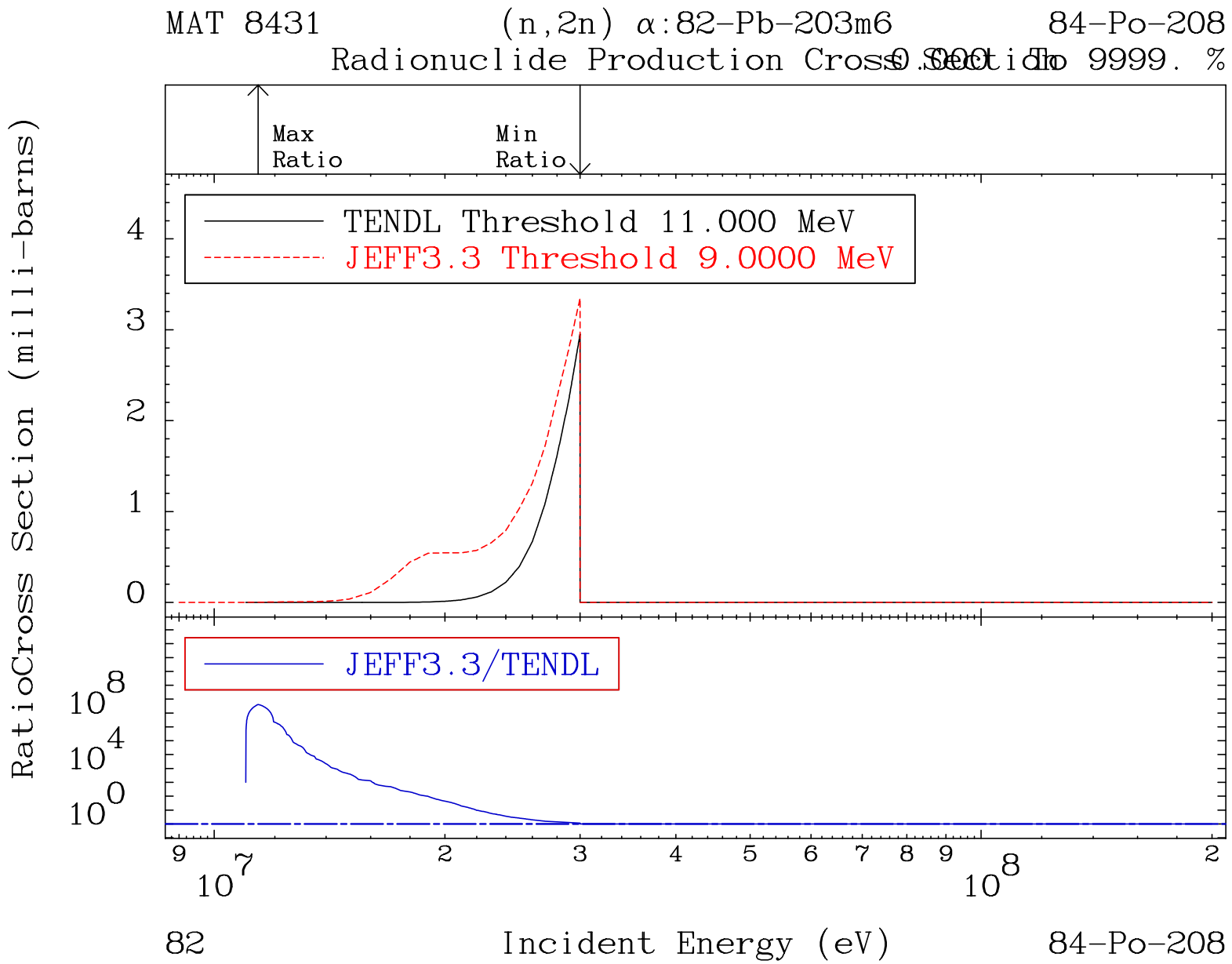

MAT 8431
Dpa total (eV-barns)
84-Po-208
Cross Section -98.71 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
77
84-Po-208

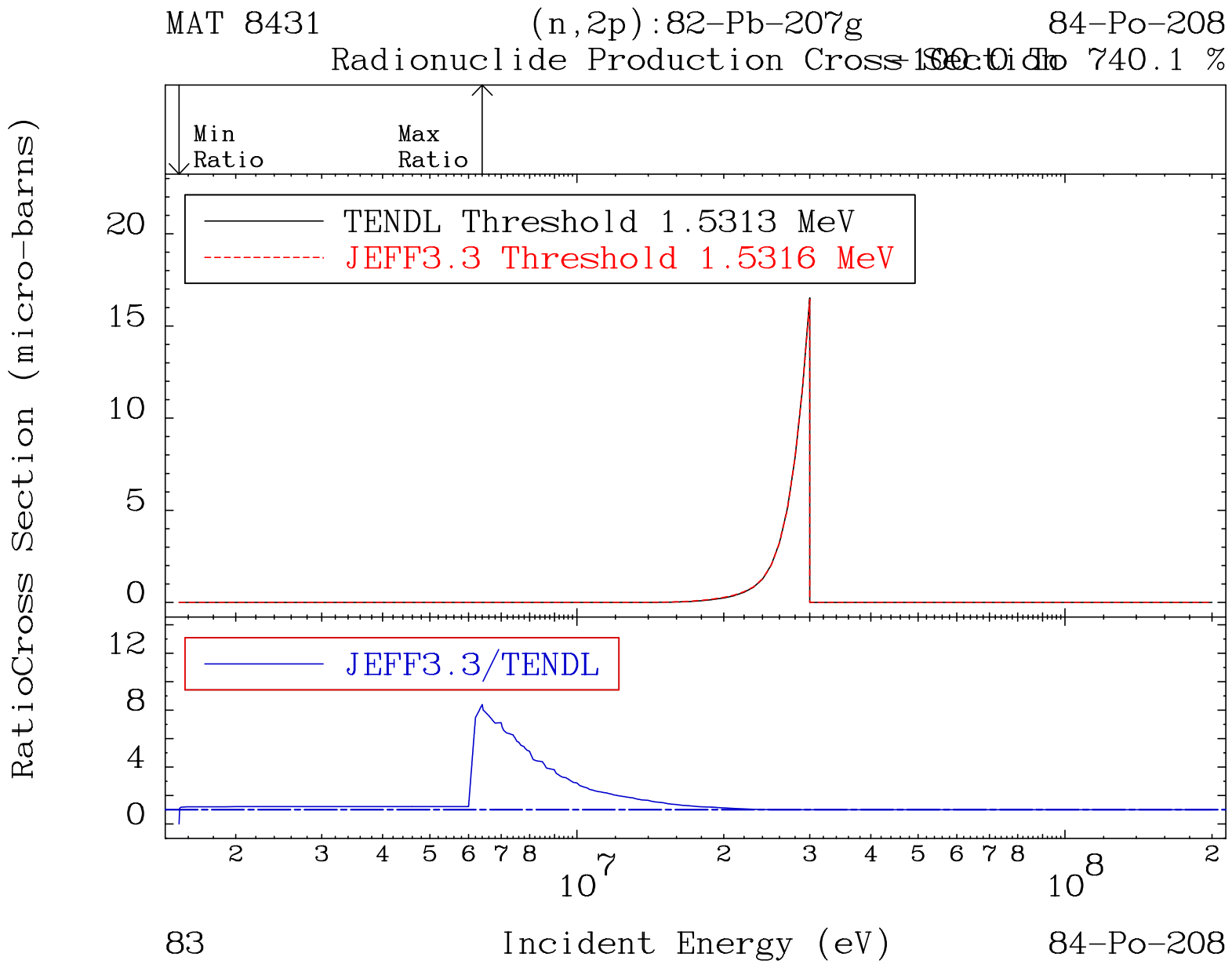

MAT 8431
Dpa elastic (mt2)
Cross Section
84-Po-208
-98.81 To 703.3 %
Min
Ratio
TENDL Threshold 2.0000 keV
JEFF3.3 Threshold 1.2137 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
78
84-Po-208

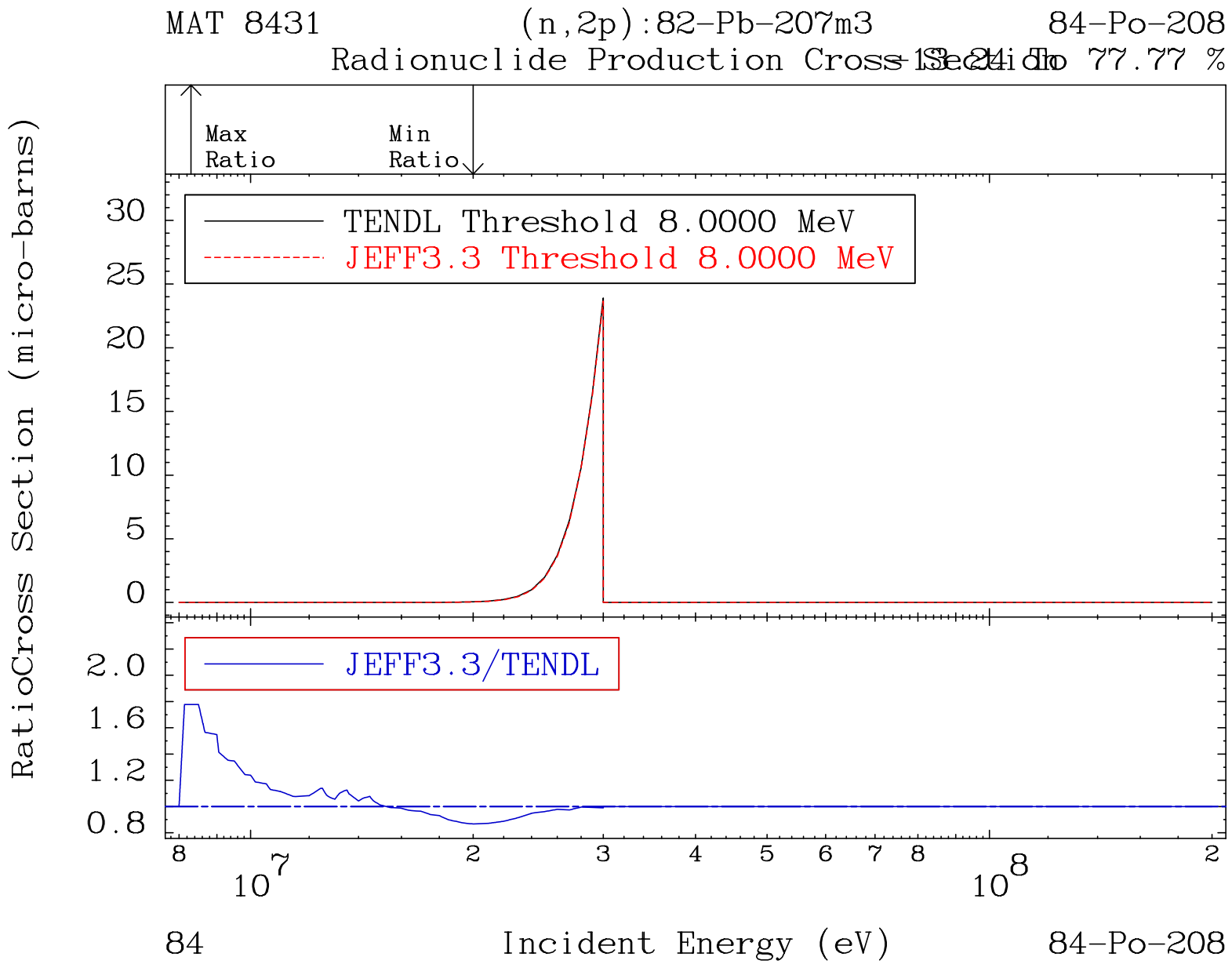

MAT 8431
Dpa inelastic (mt51-91)
84-Po-208
Cross Section -100.0 To 18.43 %
Min Ratio
Max Ratio
TENDL Threshold 689.86 keV
JEFF3.3 Threshold 689.86 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
79
84-Po-208

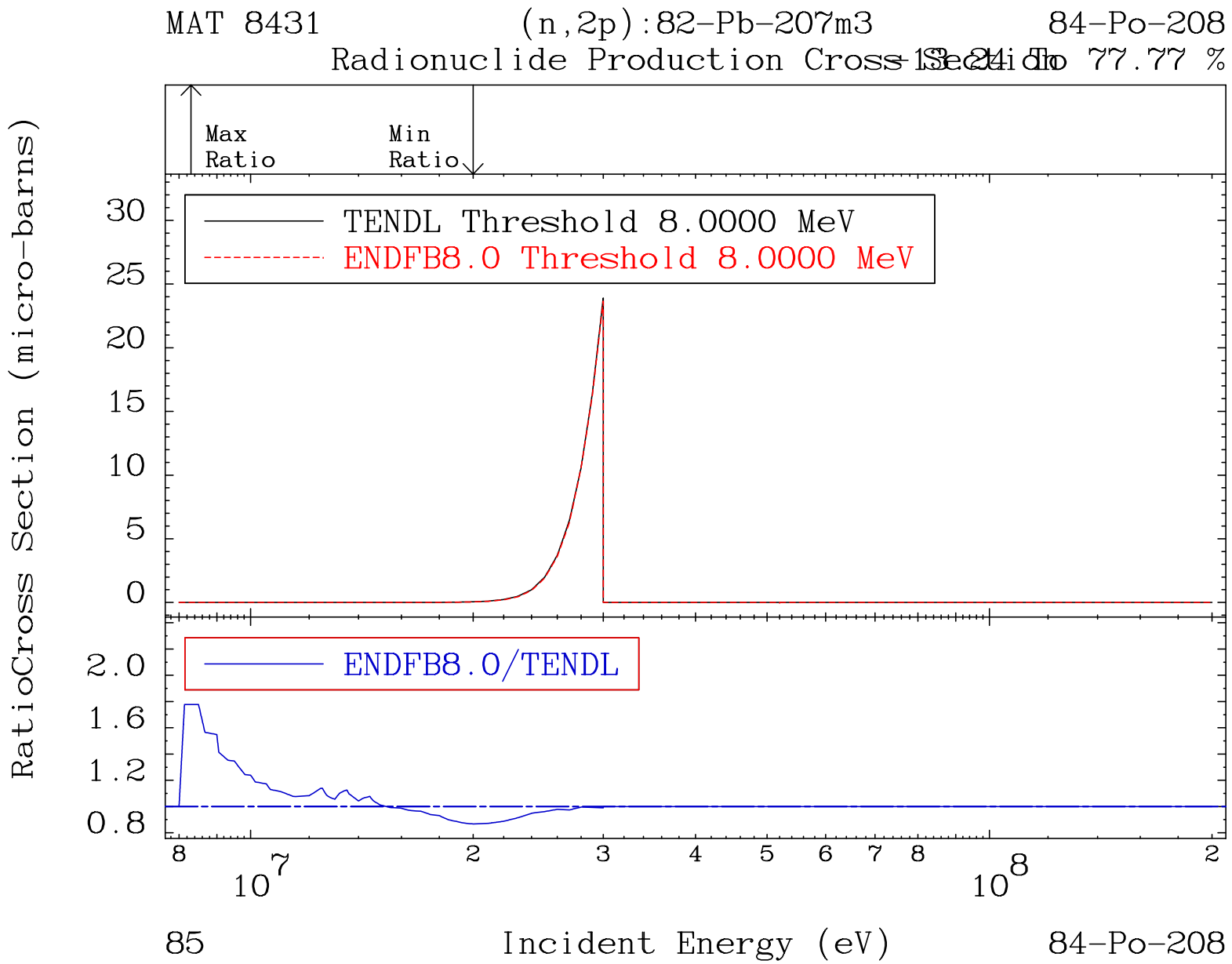

MAT 8431 Dpa disappearance (mt102 -120) 84-Po-208
Cross Section -98.71 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
80
84-Po-208


MAT 8431
(n,2n) α:82-Pb-203g
84-Po-208
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.1944 MeV
JEFF3.3 Threshold 3.1948 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
81
84-Po-208


MAT 8431
(n,2n) α:82-Pb-203m6
84-Po-208
Radionuclide Production Cross Section
0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 11.000 MeV
JEFF3.3 Threshold 9.0000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
82
84-Po-208


MAT 8431
(n,2p):82-Pb-207g
84-Po-208
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 1.5313 MeV
JEFF3.3 Threshold 1.5316 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
83
84-Po-208


MAT 8431
(n,2p):82-Pb-207m3
84-Po-208
Radionuclide Production Cross Section To 77.77 %
Max Ratio
Min Ratio
TENDL Threshold 8.0000 MeV
JEFF3.3 Threshold 8.0000 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
84
84-Po-208


MAT 8431
(n,2p):82-Pb-207m3
84-Po-208
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 8.0000 MeV
ENDFB8.0 Threshold 8.0000 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
85