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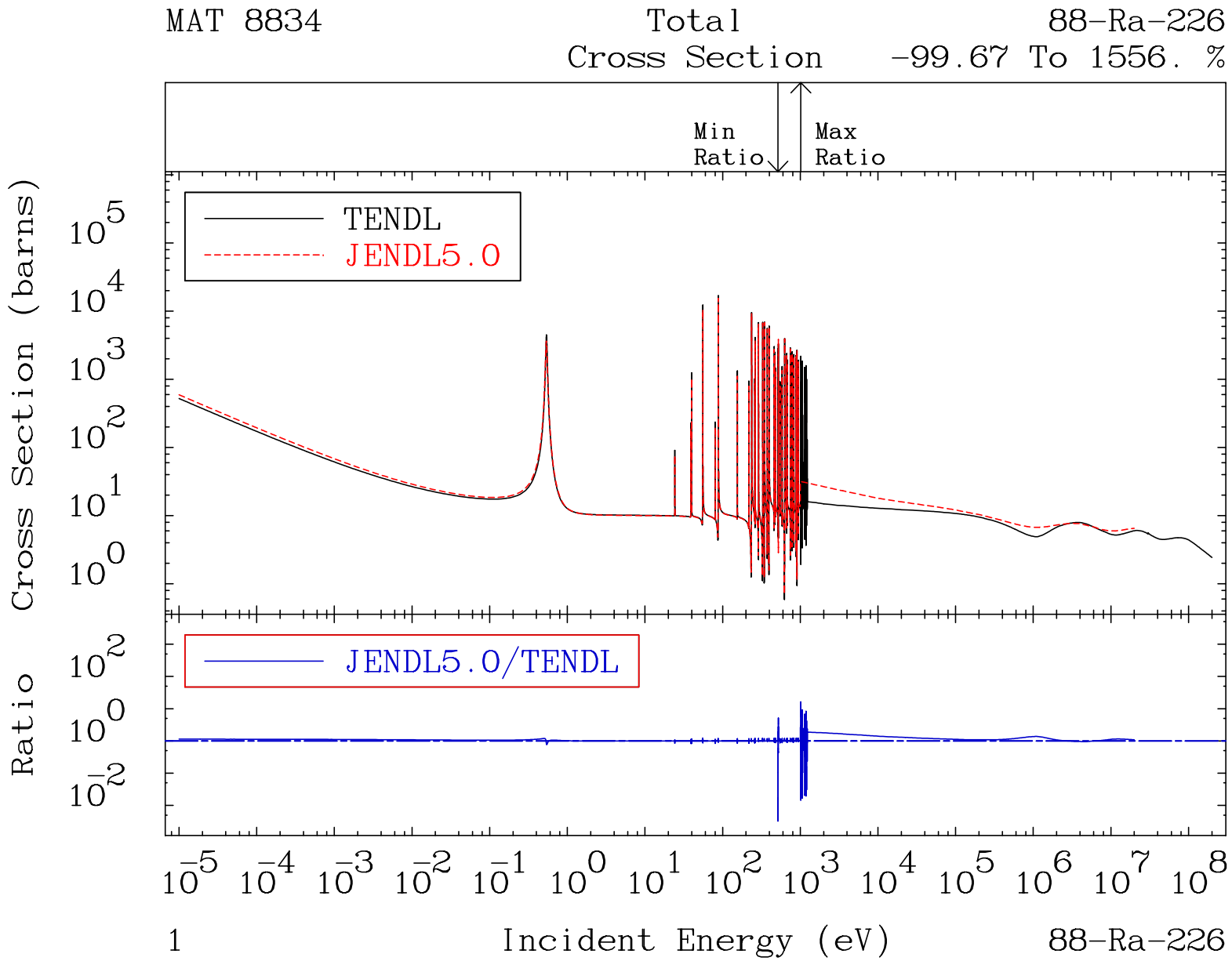
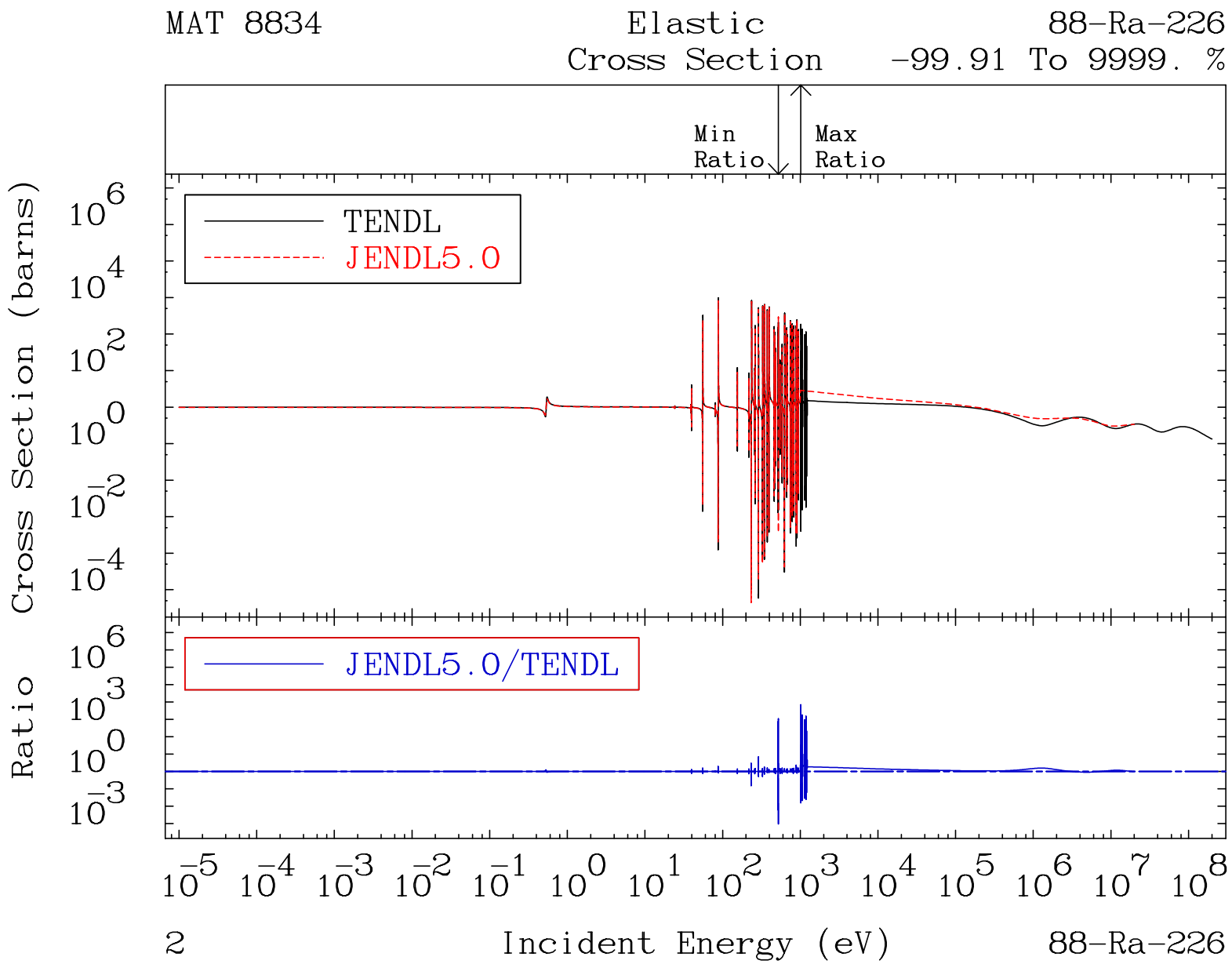
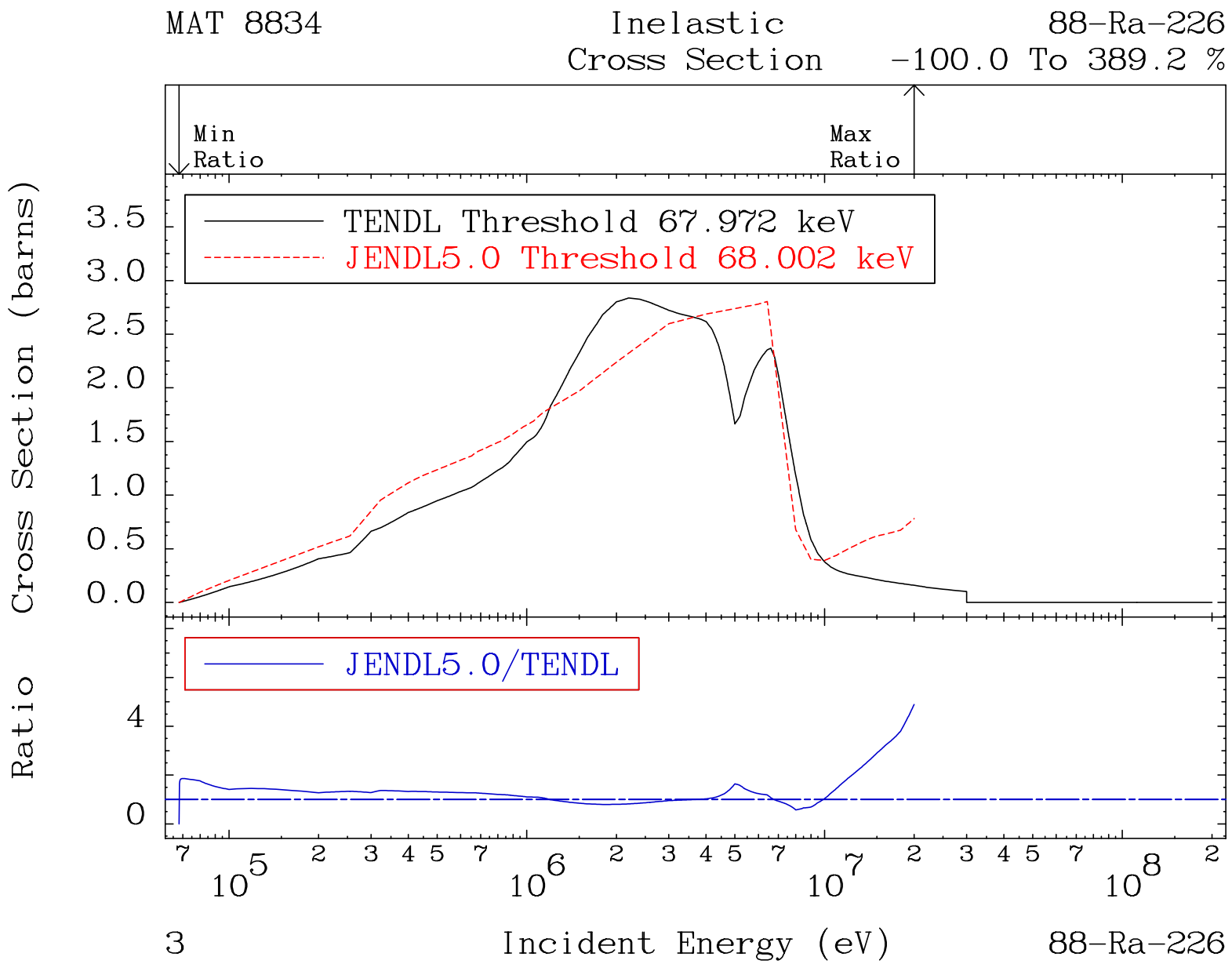
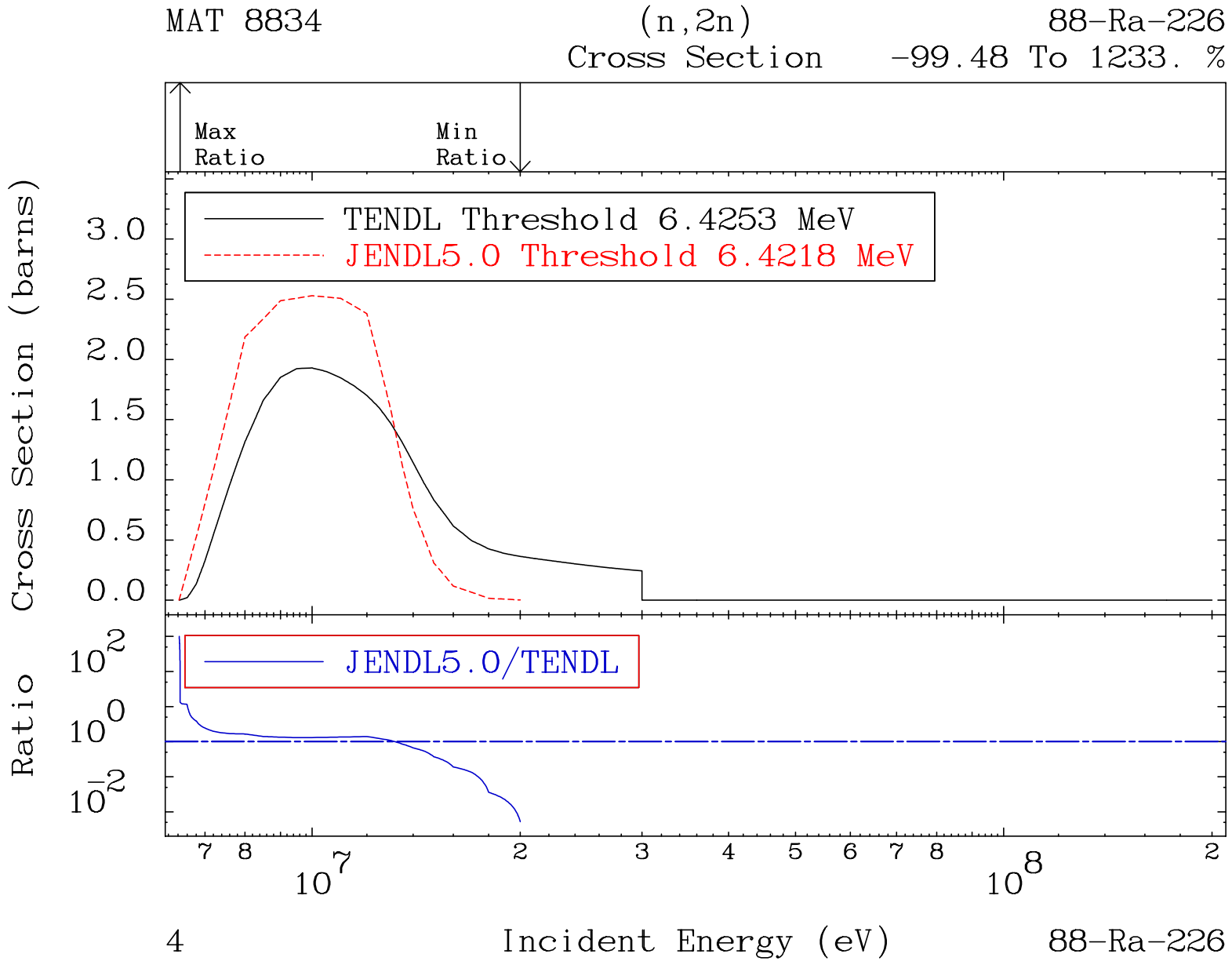
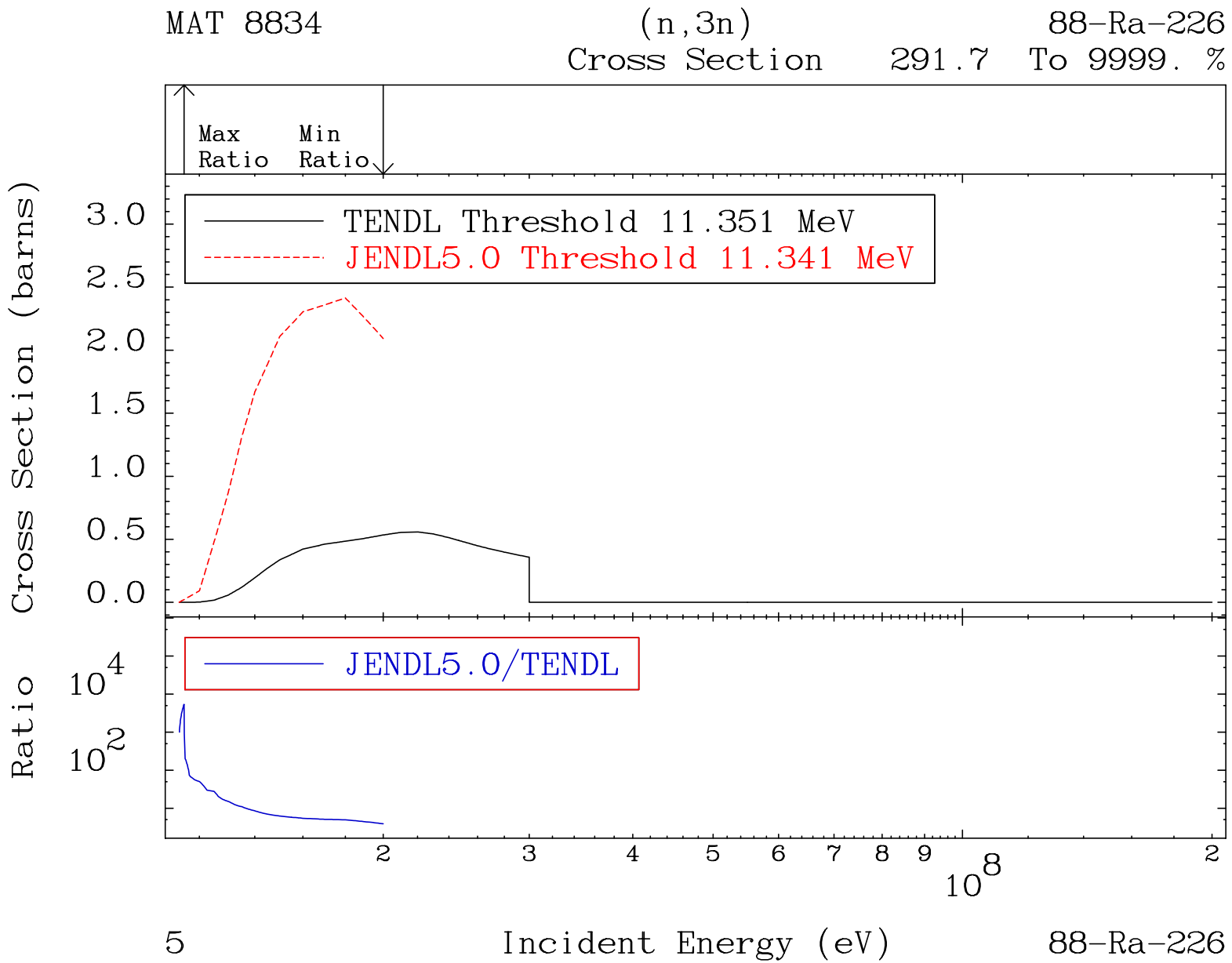
Press Mouse Button to Start

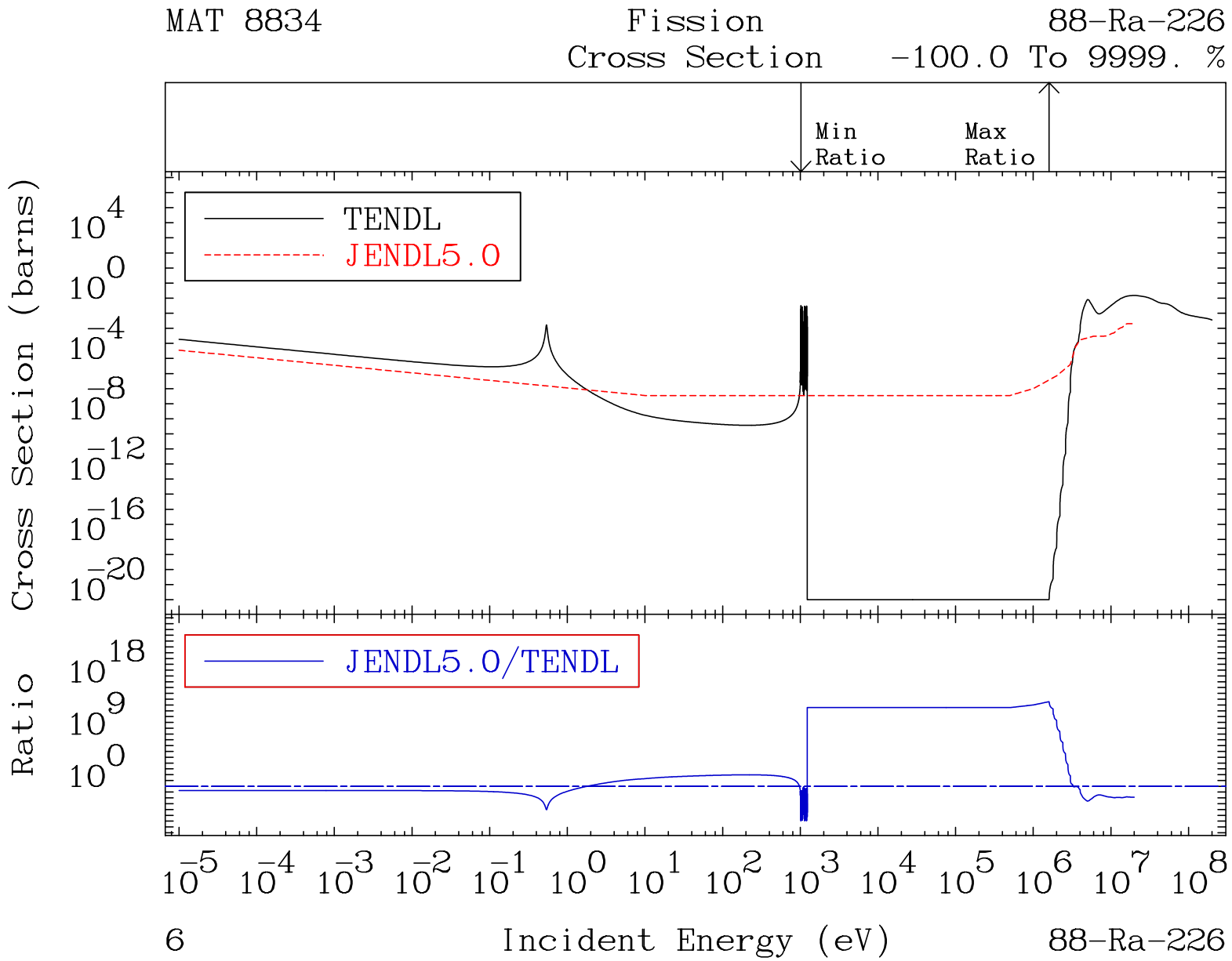

MAT 8834
Total
Cross Section
88-Ra-226
-99.67 To 1556. %
Min
Ratio
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
88-Ra-226

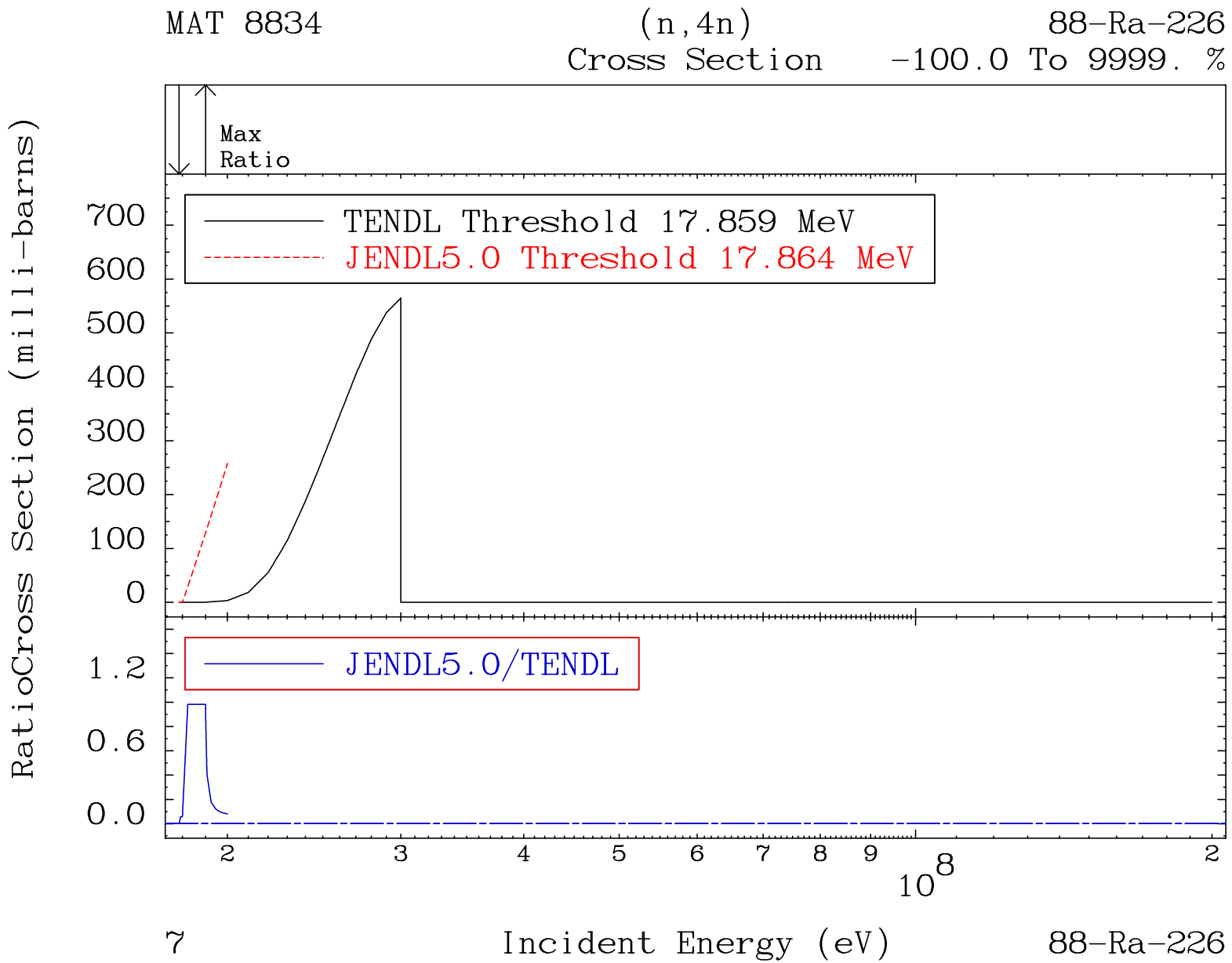

MAT 8834
Elastic
Cross Section
88-Ra-226
-99.91 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
88-Ra-226

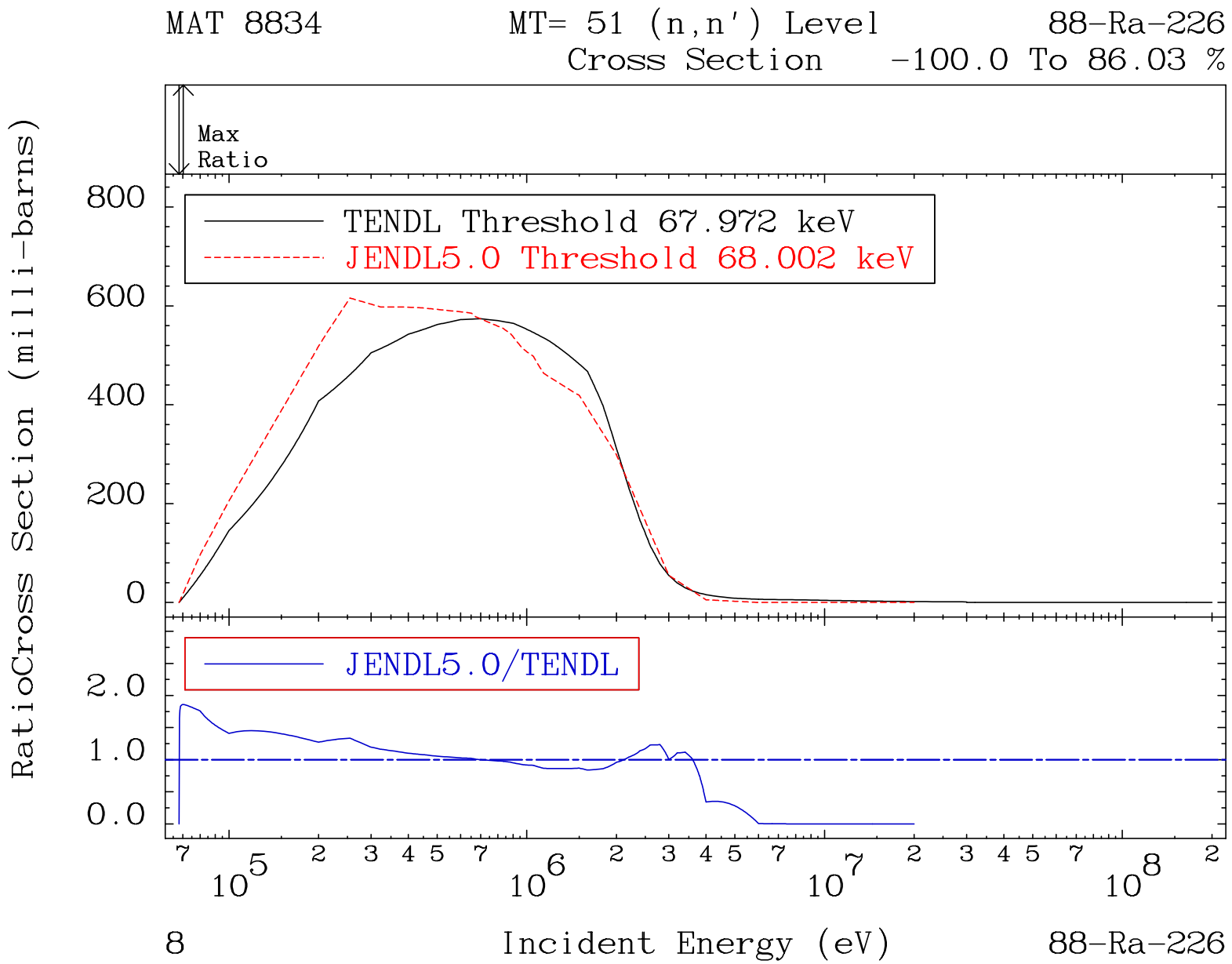

MAT 8834
Inelastic
Cross Section
88-Ra-226
-100.0 To 389.2 %
Min
Ratio
Max
Ratio
TENDL Threshold 67.972 keV
JENDL5.0 Threshold 68.002 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
88-Ra-226

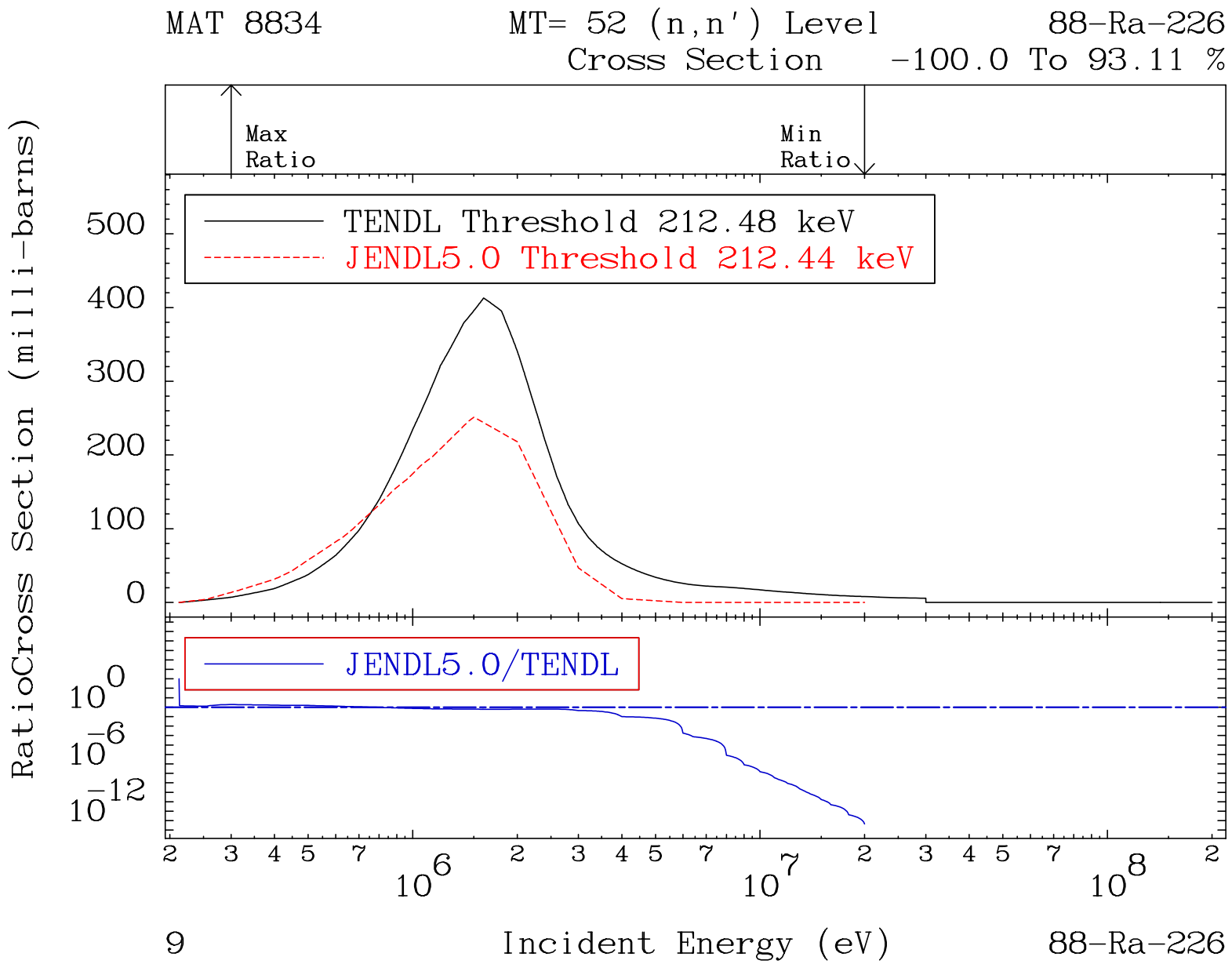

MAT 8834
(n,2n)
Cross Section
88-Ra-226
-99.48 To 1233. %
Max Ratio
Min Ratio
TENDL Threshold 6.4253 MeV
JENDL5.0 Threshold 6.4218 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
10^2
10^0
10^-2
7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
4
88-Ra-226

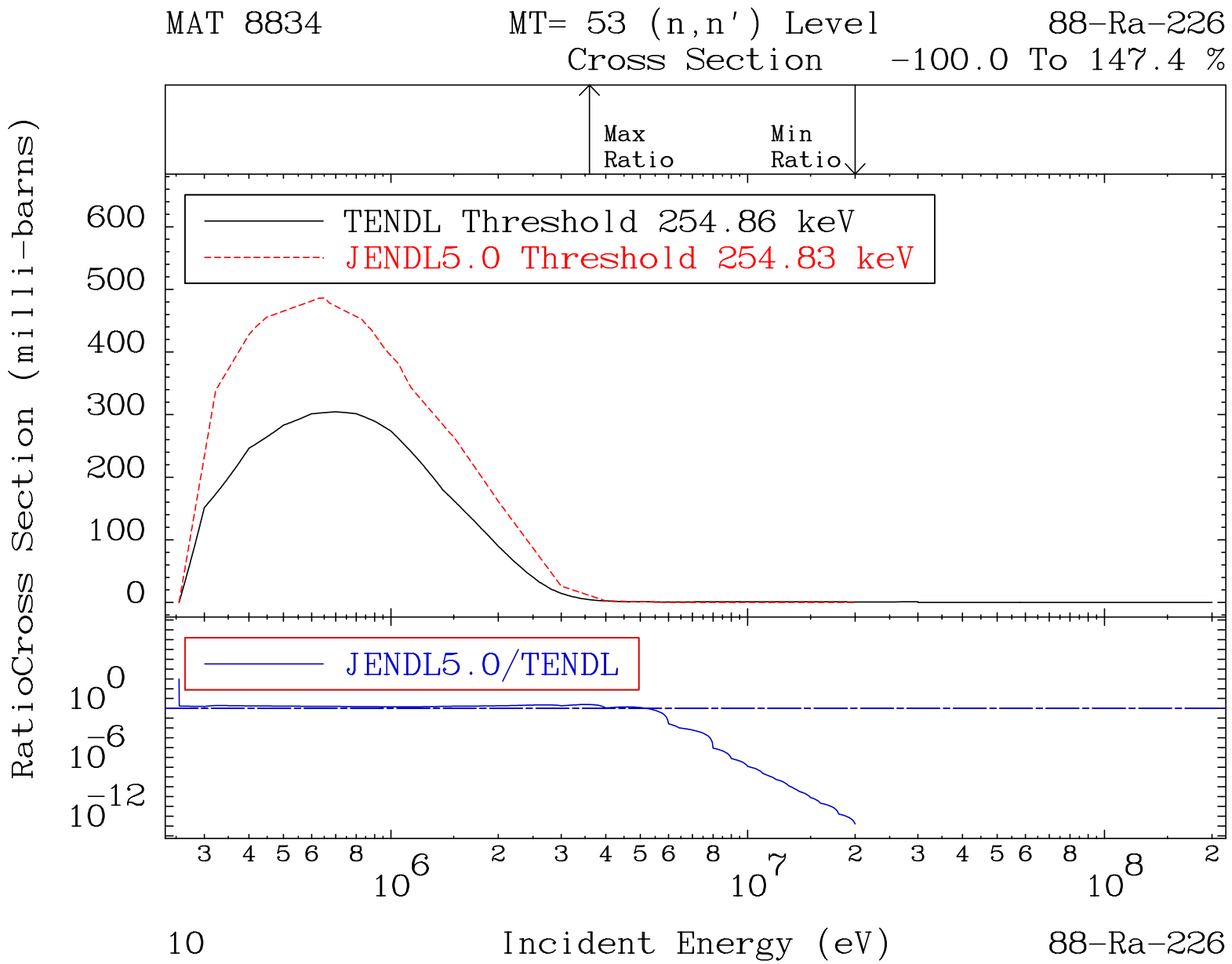

MAT 8834
(n,3n)
88-Ra-226
Cross Section 291.7 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 11.351 MeV
JENDL5.0 Threshold 11.341 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
10^4
10^2
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
88-Ra-226

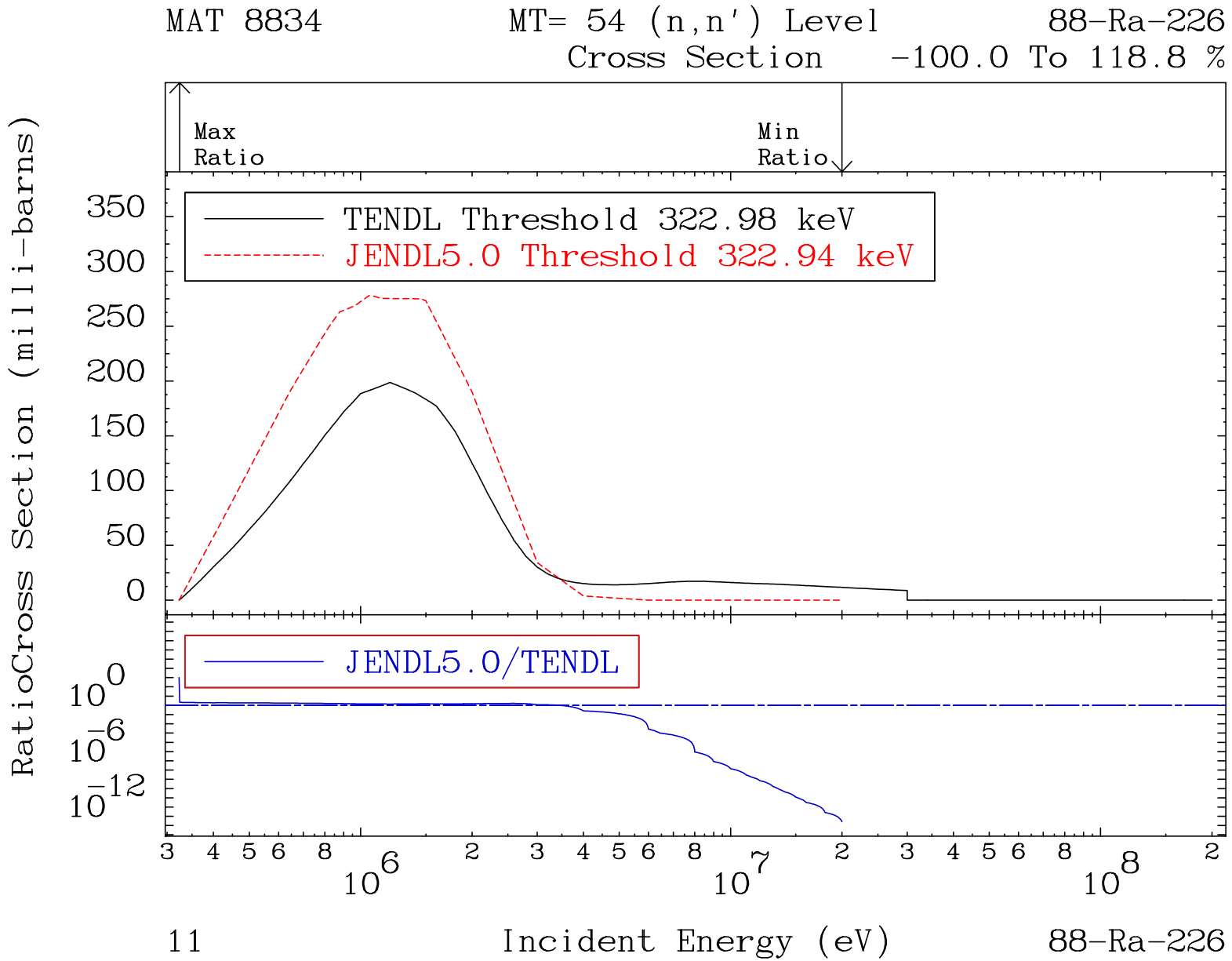

MAT 8834
Fission
88-Ra-226
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
6
88-Ra-226

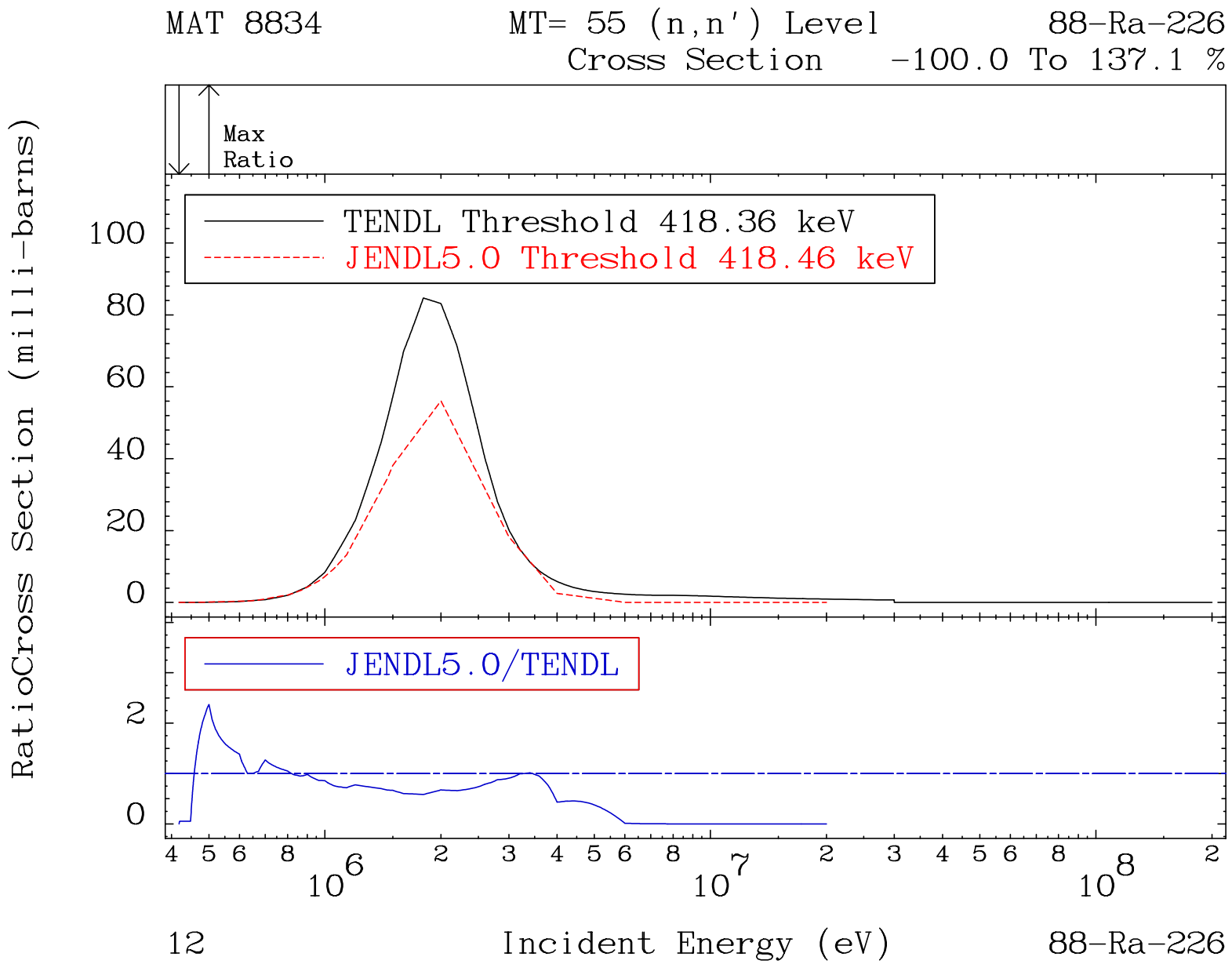

MAT 8834
(n,4n)
88-Ra-226
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 17.859 MeV
JENDL5.0 Threshold 17.864 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
700
600
500
400
300
200
100
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
2
10^8
7
Incident Energy (eV)
88-Ra-226

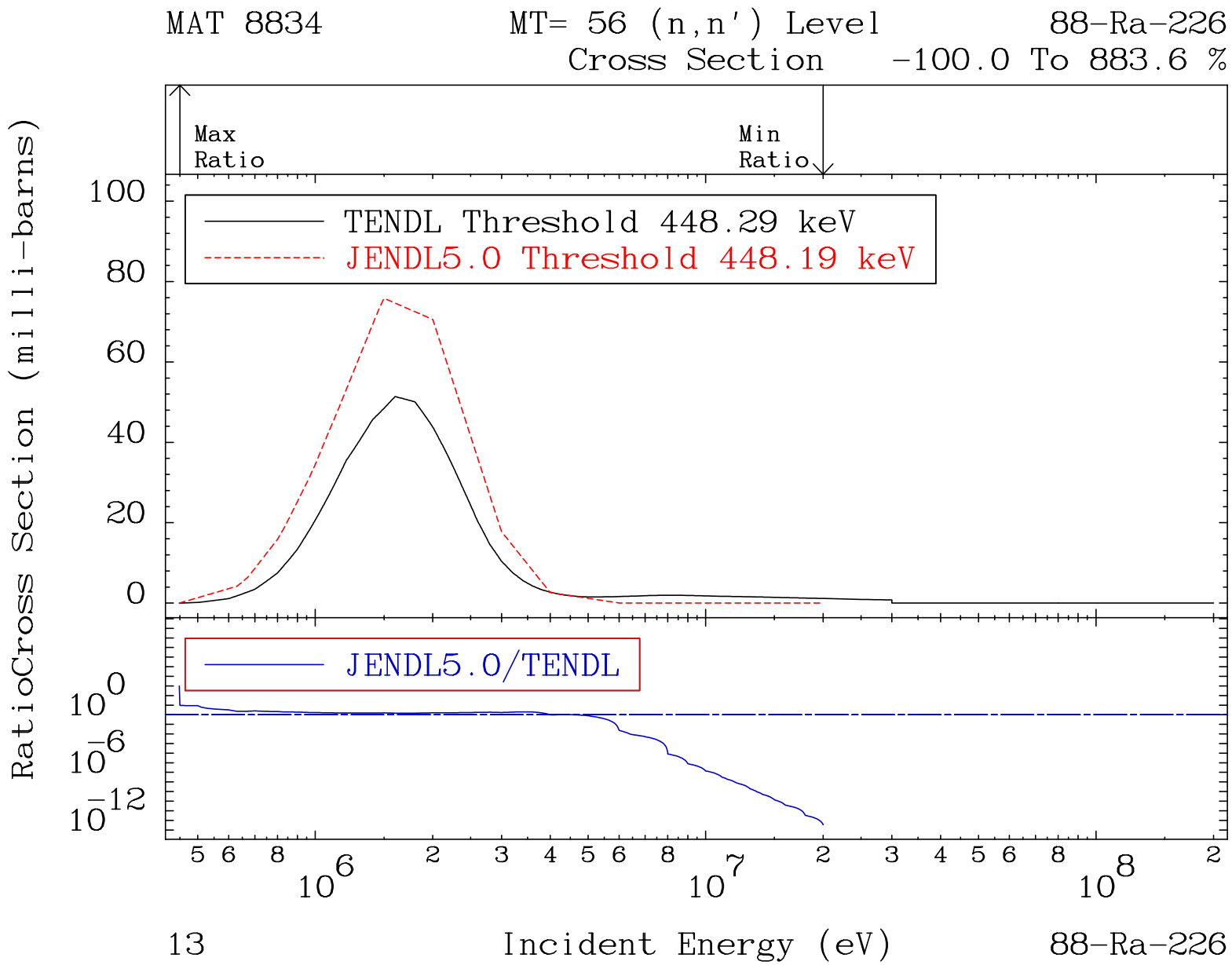

MAT 8834
MT= 51 (n,n') Level
88-Ra-226
Cross Section
-100.0 To 86.03 %
Max
Ratio
TENDL Threshold 67.972 keV
JENDL5.0 Threshold 68.002 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
2.0
1.0
0.0
7
2
3
4
5
7
2
3
4
5
7
2
3
4
5
7
2
10^5
10^6
10^7
10^8
8
Incident Energy (eV)
88-Ra-226

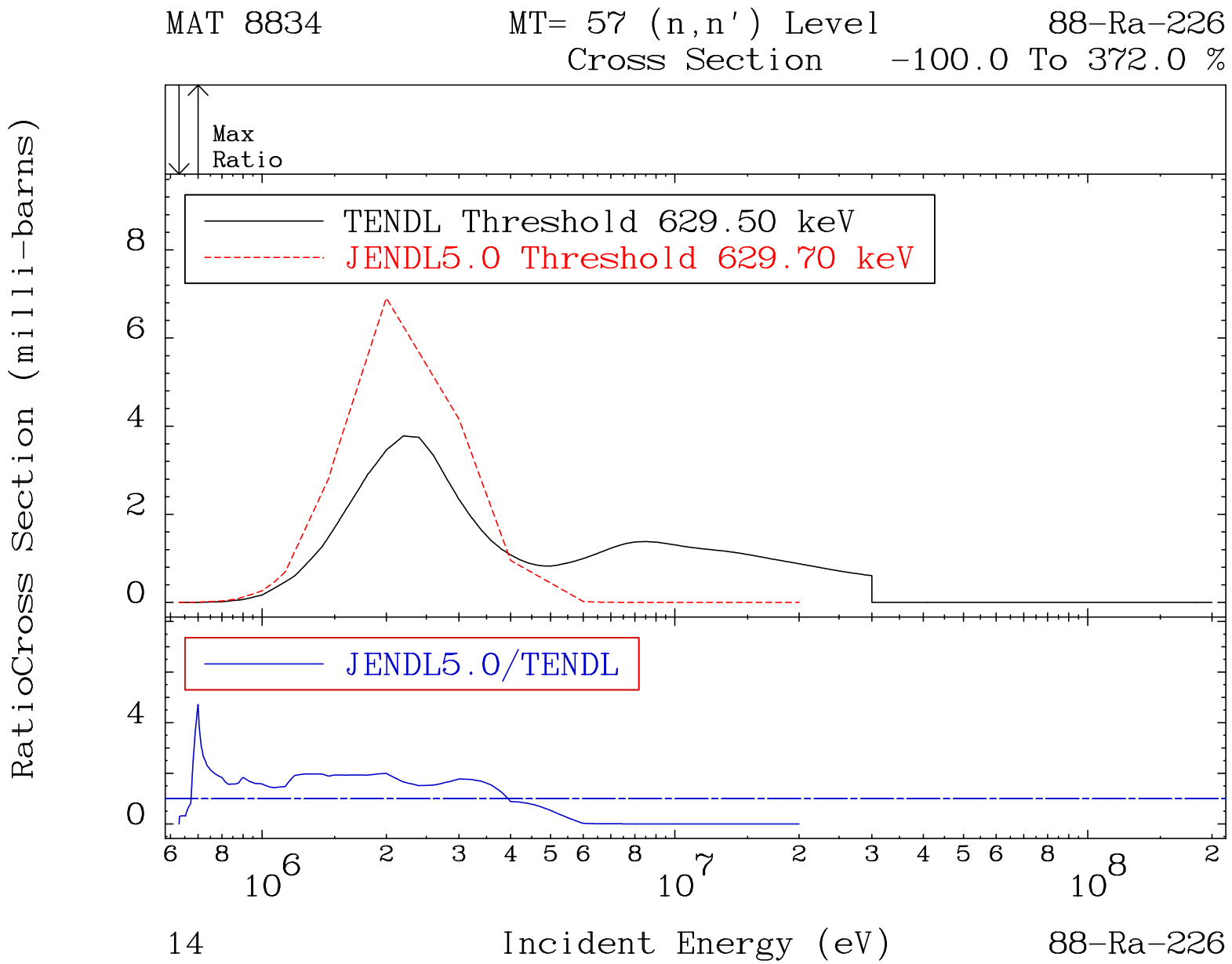

MAT 8834
MT= 52 (n,n') Level
88-Ra-226
Cross Section
-100.0 To 93.11 %
Max Ratio
Min Ratio
TENDL Threshold 212.48 keV
JENDL5.0 Threshold 212.44 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
10^{0}
10^{-6}
10^{-12}
2 3 4 5 7 10^{6} 2 3 4 5 7 10^{7} 2 3 4 5 7 10^{8} 2
9
Incident Energy (eV)
88-Ra-226

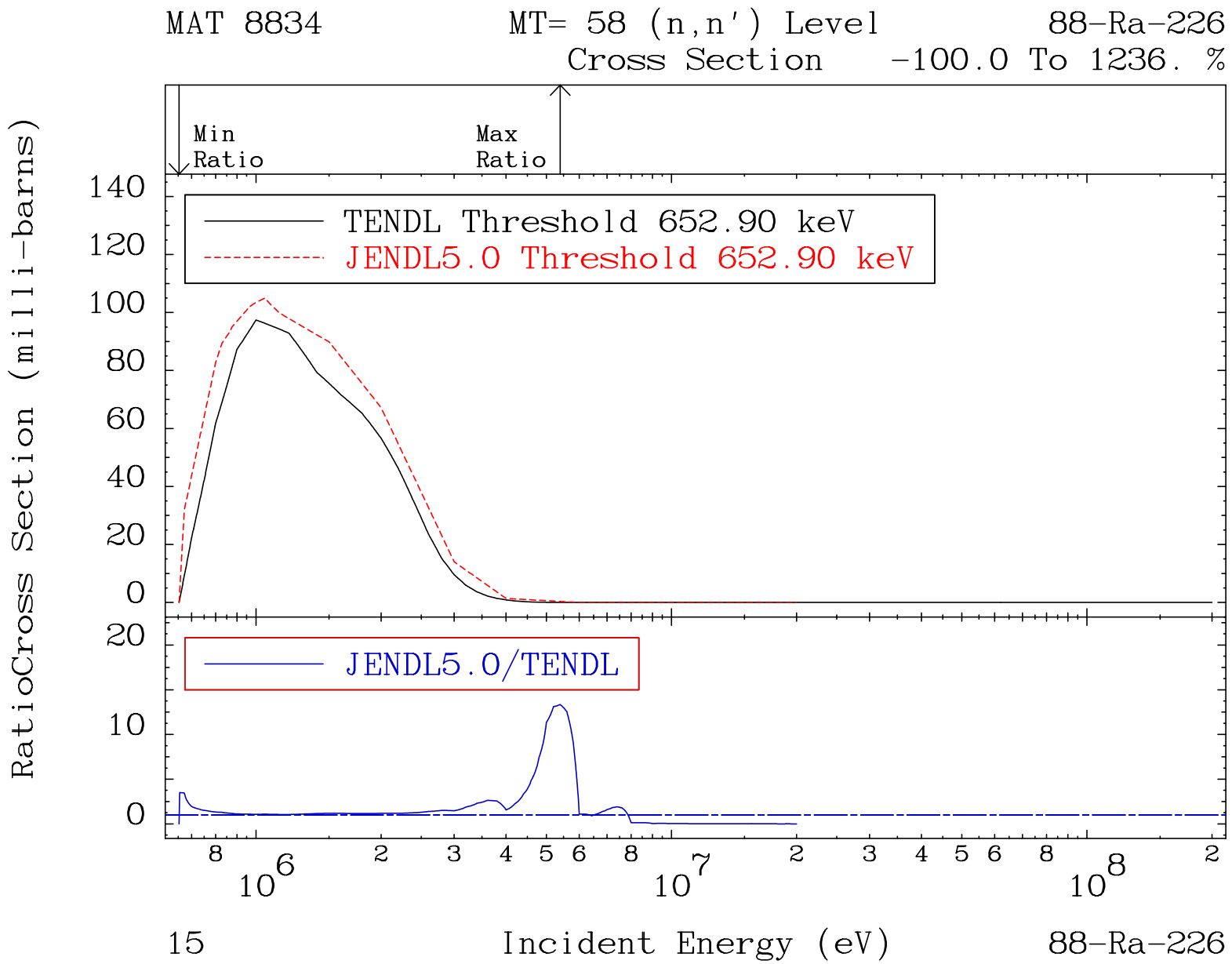

MAT 8834
MT= 53 (n,n') Level
88-Ra-226
Cross Section -100.0 To 147.4 %
Max Ratio
Min Ratio
TENDL Threshold 254.86 keV
JENDL5.0 Threshold 254.83 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
10^{0}
10^{-6}
10^{-12}
3 4 5 6 8 10^{6} 2 3 4 5 6 8 10^{7} 2 3 4 5 6 8 10^{8} 2
10
Incident Energy (eV)
88-Ra-226

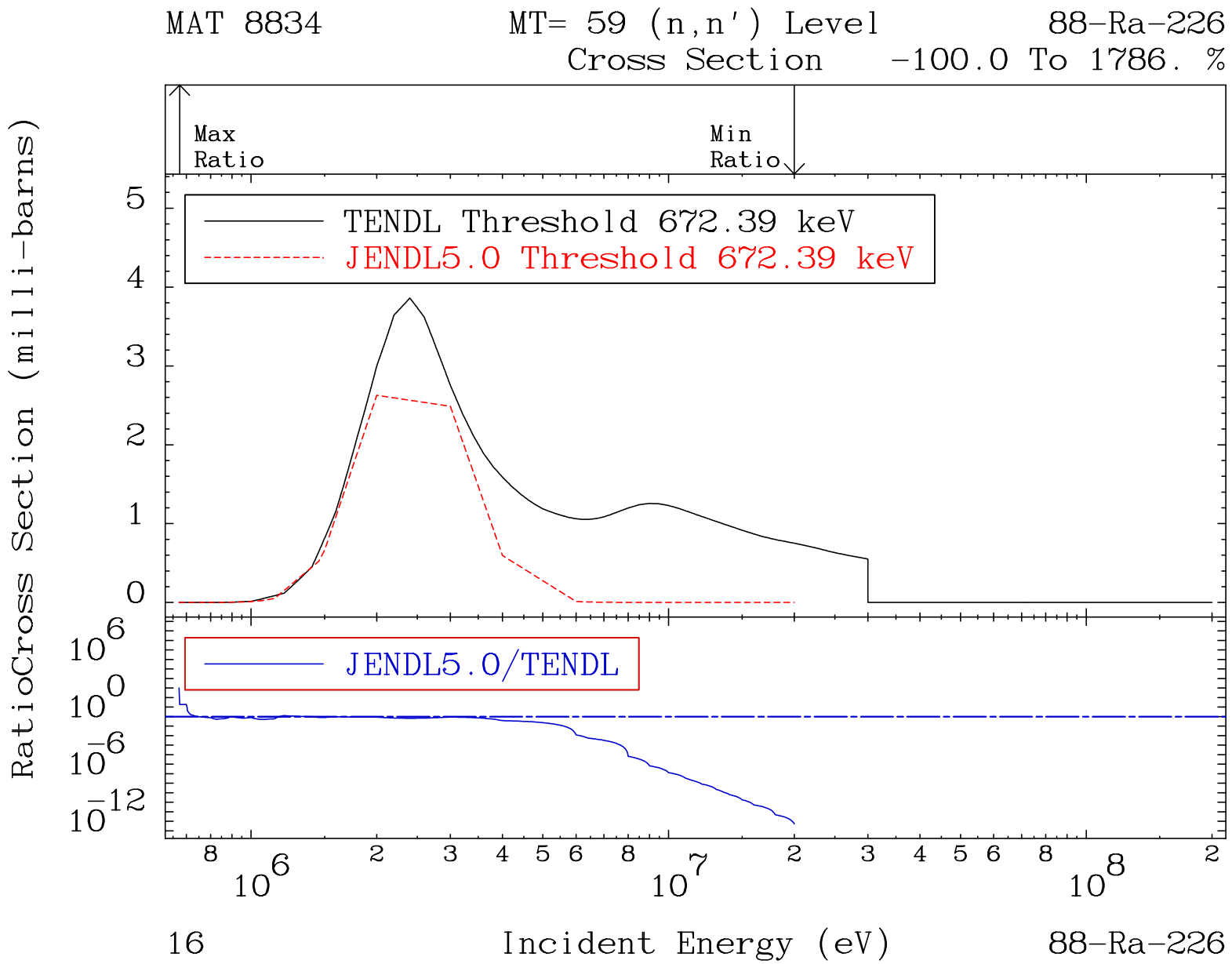

MAT 8834
MT= 54 (n,n') Level
88-Ra-226
Cross Section
-100.0 To 118.8 %
Max Ratio
Min Ratio
TENDL Threshold 322.98 keV
JENDL5.0 Threshold 322.94 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
10^0
10^-6
10^-12
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
11
Incident Energy (eV)
88-Ra-226

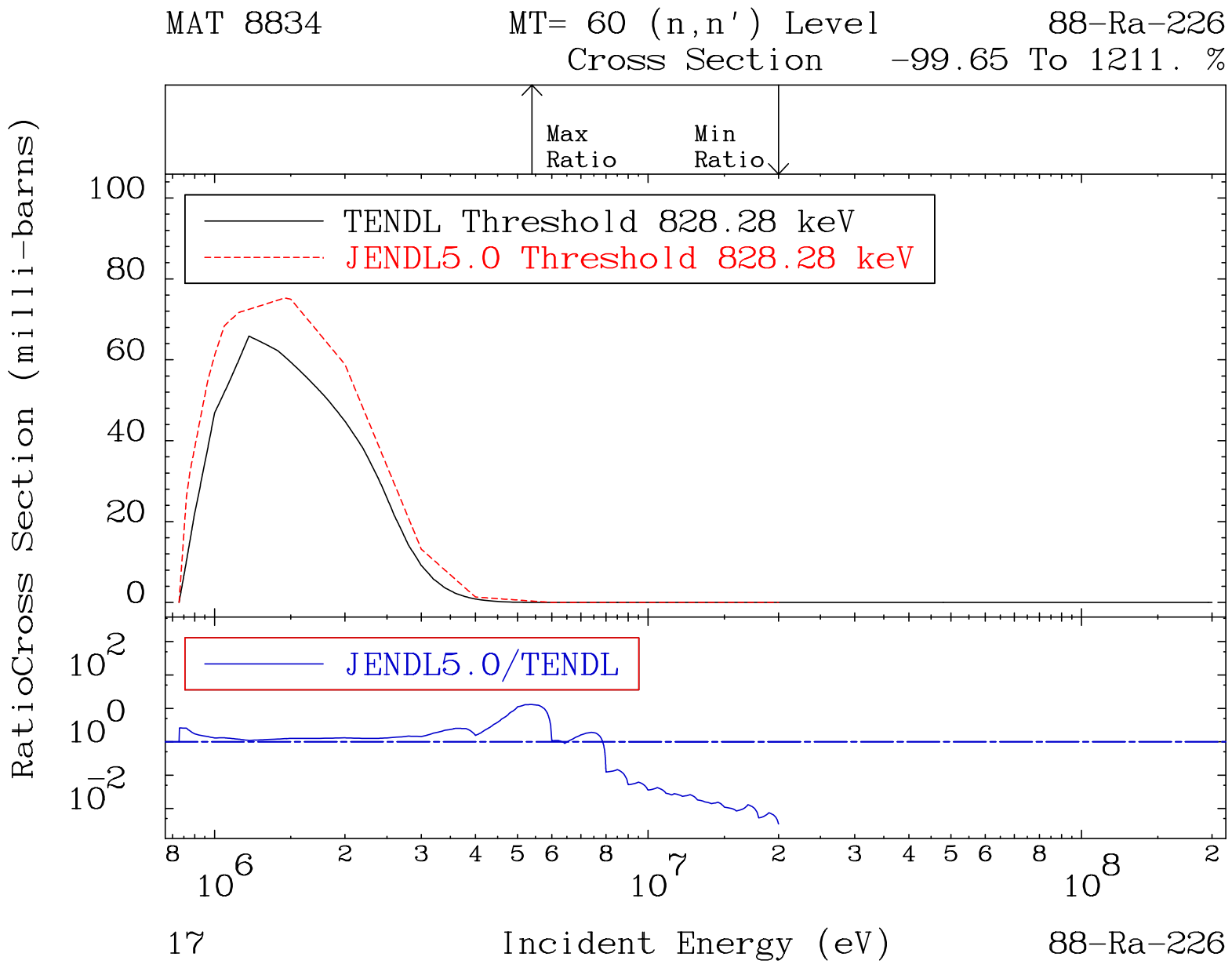

MAT 8834
MT= 55 (n,n') Level
88-Ra-226
Cross Section
-100.0 To 137.1 %
Max
Ratio
TENDL Threshold 418.36 keV
JENDL5.0 Threshold 418.46 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2
0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
12
Incident Energy (eV)
88-Ra-226

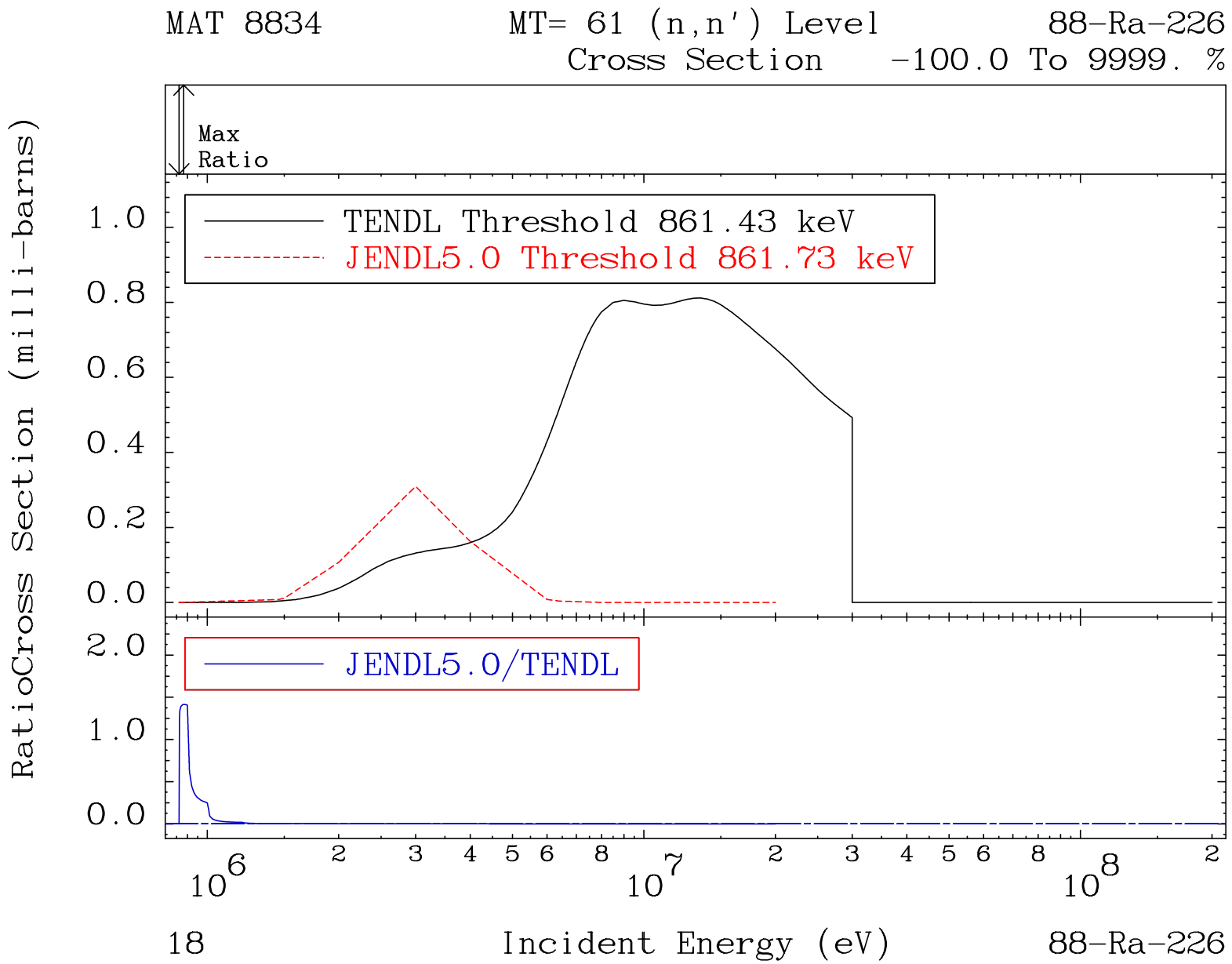

MAT 8834
MT= 56 (n,n') Level
88-Ra-226
Cross Section
-100.0 To 883.6 %
Max Ratio
Min Ratio
TENDL Threshold 448.29 keV
JENDL5.0 Threshold 448.19 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
13
88-Ra-226

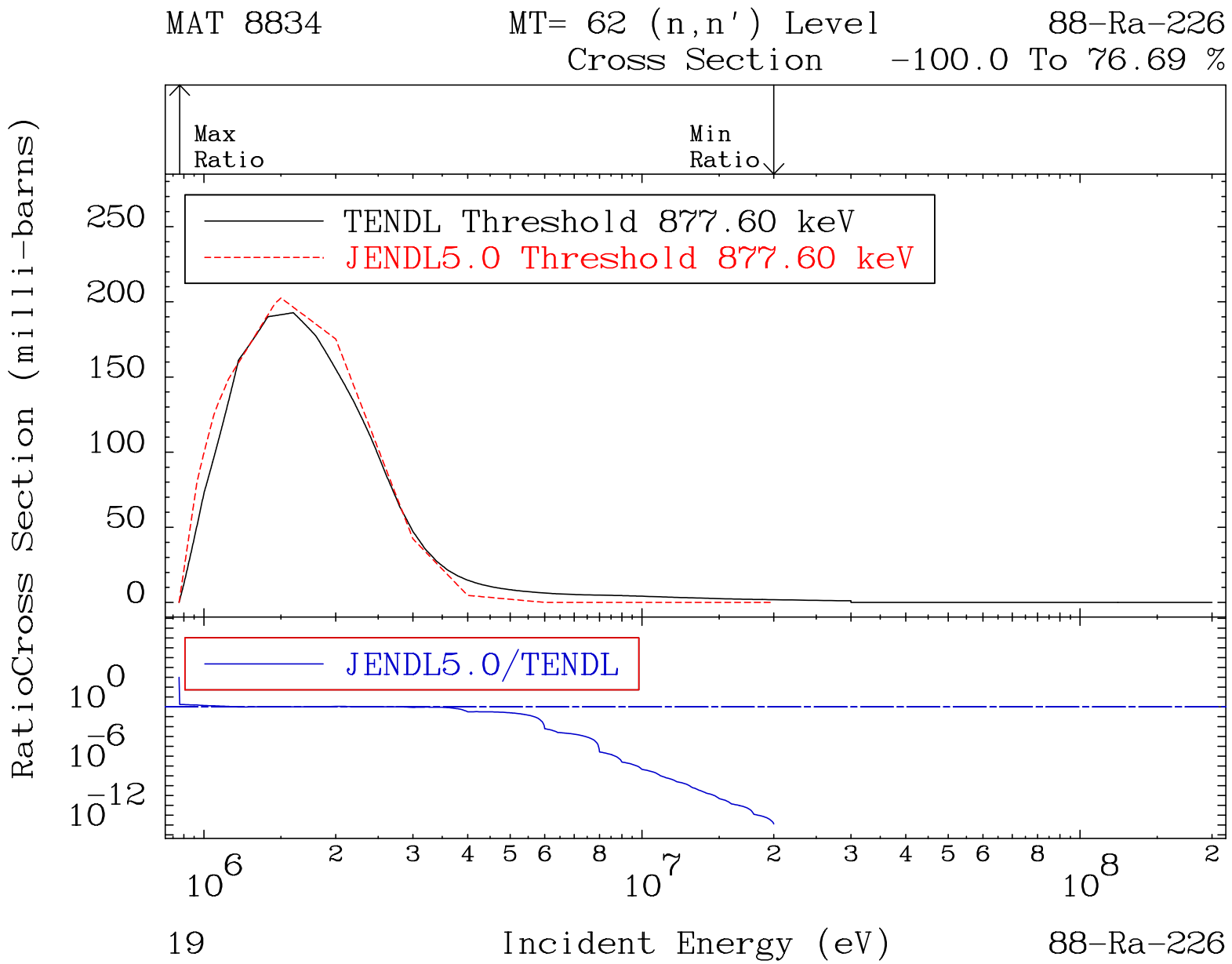

MAT 8834
MT= 57 (n,n') Level
88-Ra-226
Cross Section
-100.0 To 372.0 %
Max
Ratio
TENDL Threshold 629.50 keV
JENDL5.0 Threshold 629.70 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
14
88-Ra-226

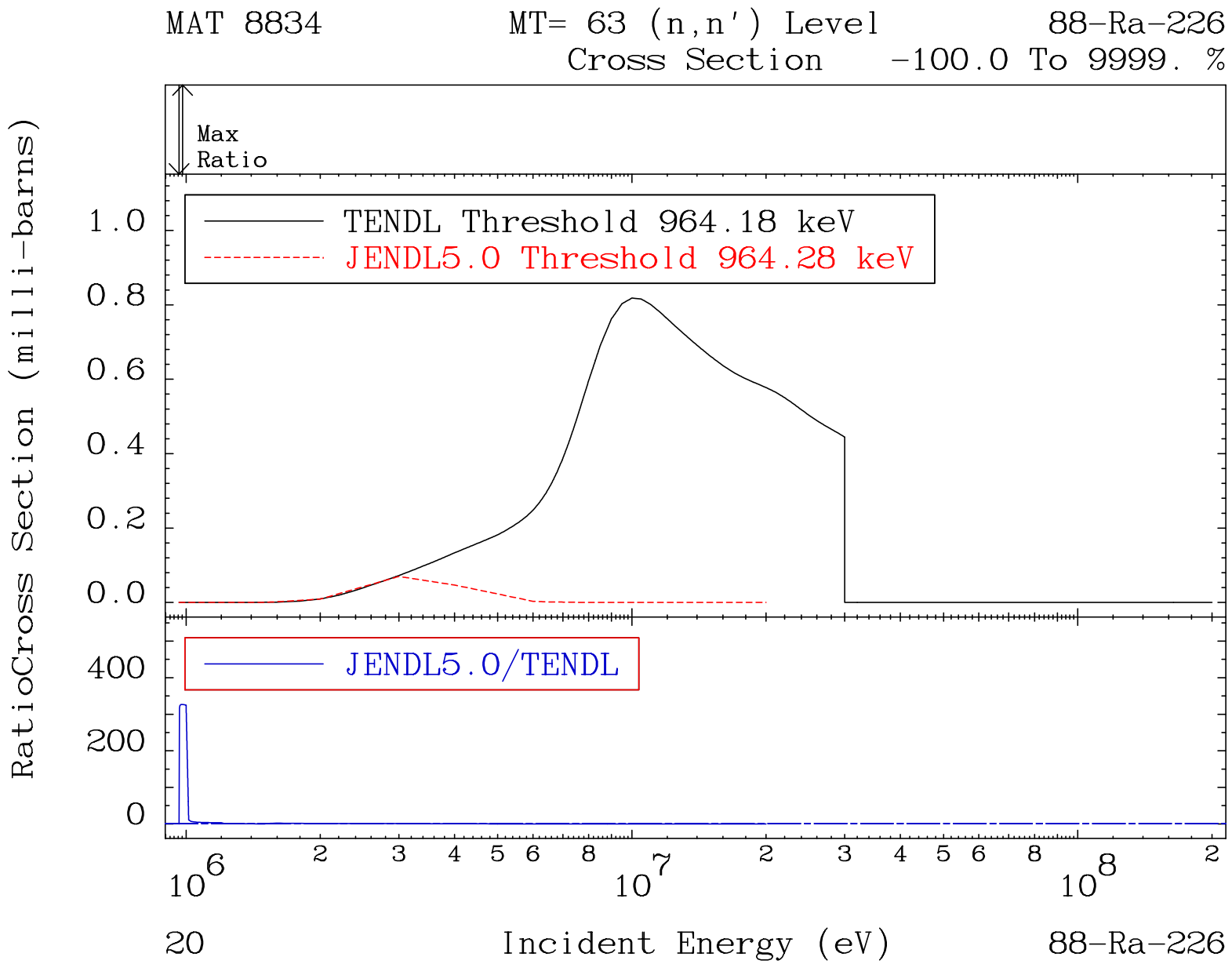

MAT 8834
MT= 58 (n,n') Level
88-Ra-226
Cross Section -100.0 To 1236. %
Min Ratio
Max Ratio
TENDL Threshold 652.90 keV
JENDL5.0 Threshold 652.90 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
15
88-Ra-226

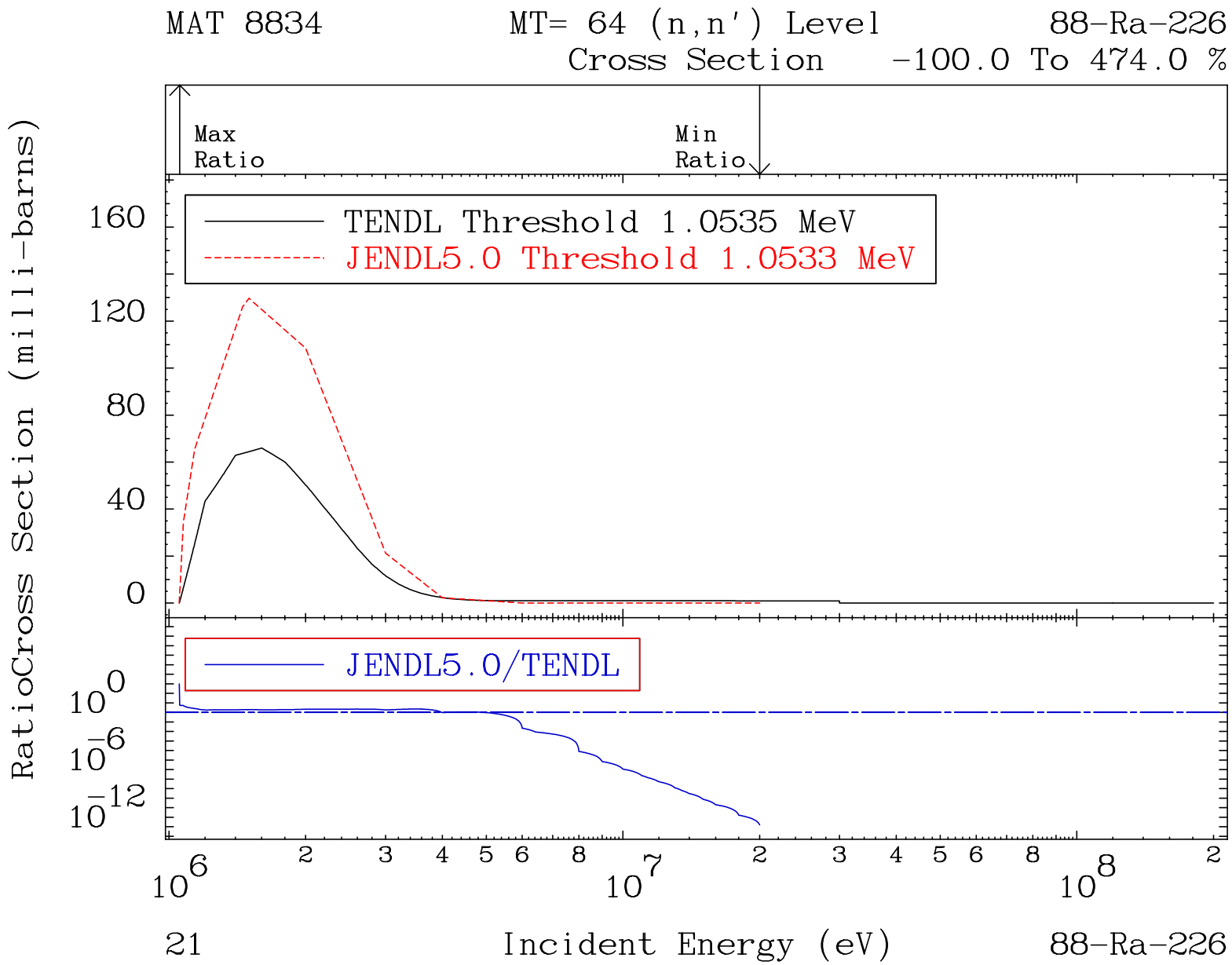

MAT 8834
MT= 59 (n,n') Level
88-Ra-226
Cross Section -100.0 To 1786. %
Max Ratio
Min Ratio
TENDL Threshold 672.39 keV
JENDL5.0 Threshold 672.39 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
16
88-Ra-226

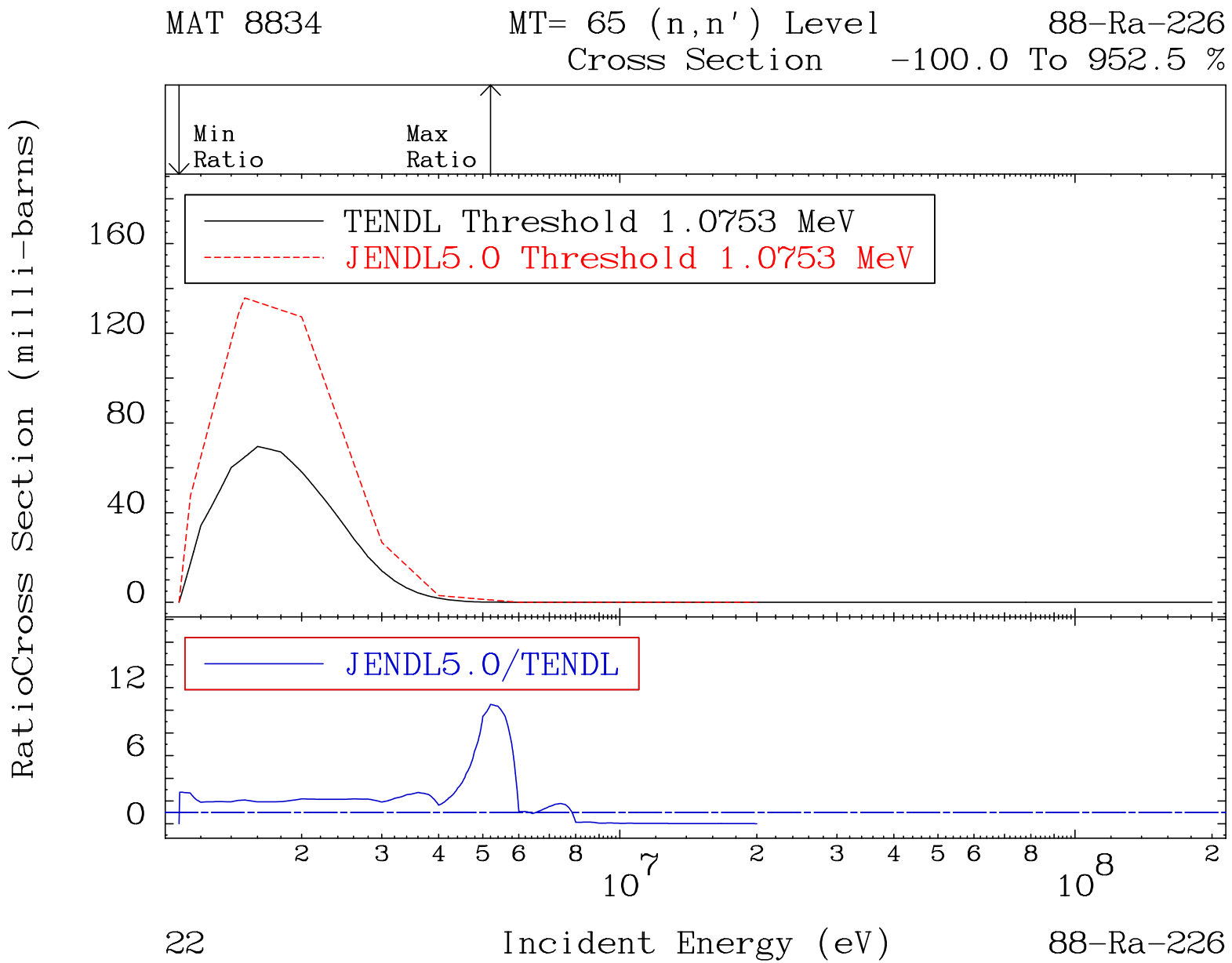

MAT 8834
MT= 60 (n,n') Level
88-Ra-226
Cross Section -99.65 To 1211. %
Max Ratio
Min Ratio
TENDL Threshold 828.28 keV
JENDL5.0 Threshold 828.28 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
10^2
10^0
10^-2
8
2
3
4
5
6
8
10^6
10^7
10^8
17
Incident Energy (eV)
88-Ra-226

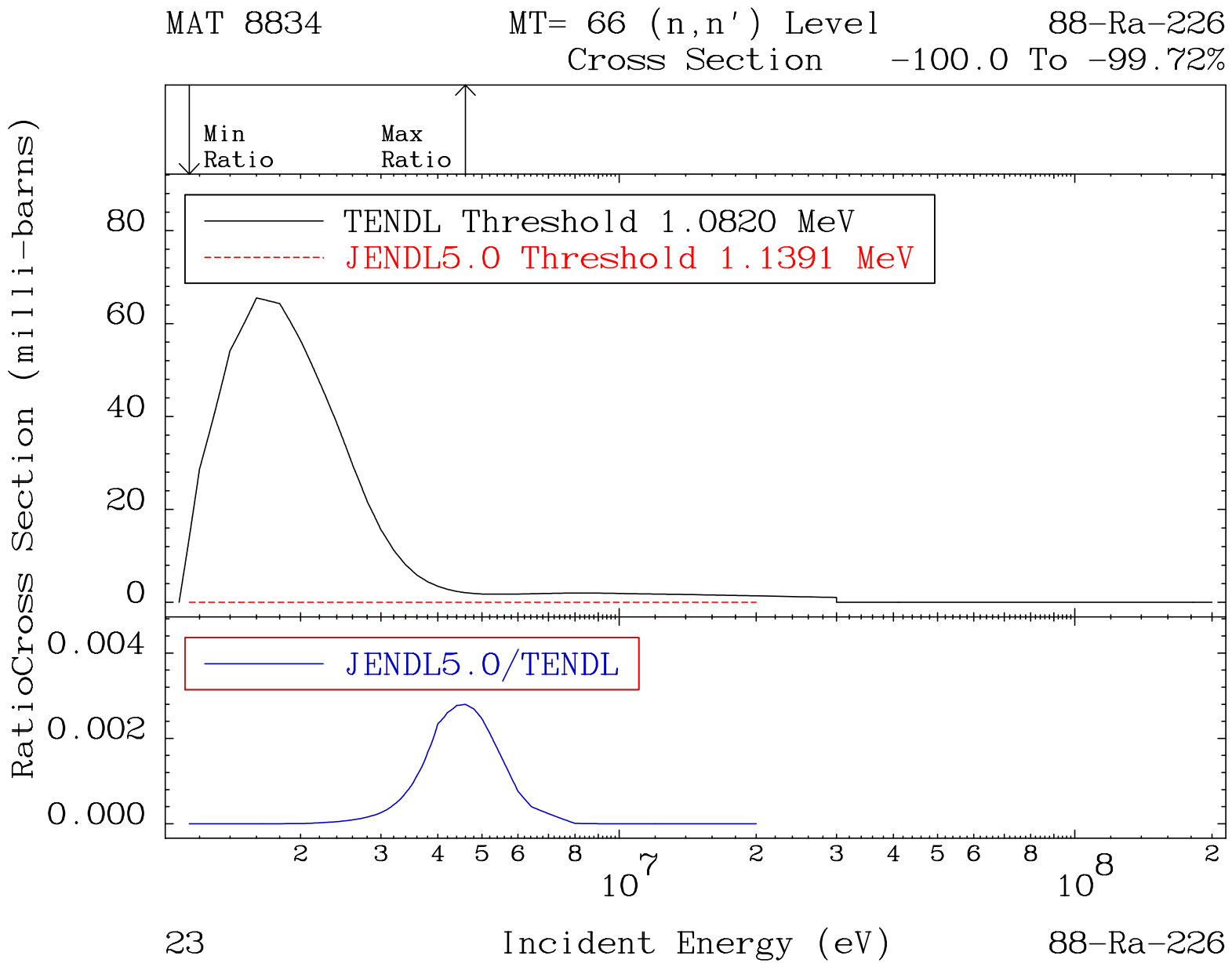

MAT 8834
MT= 61 (n,n') Level
88-Ra-226
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 861.43 keV
JENDL5.0 Threshold 861.73 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
10^6
10^7
10^8
Incident Energy (eV)
18
88-Ra-226

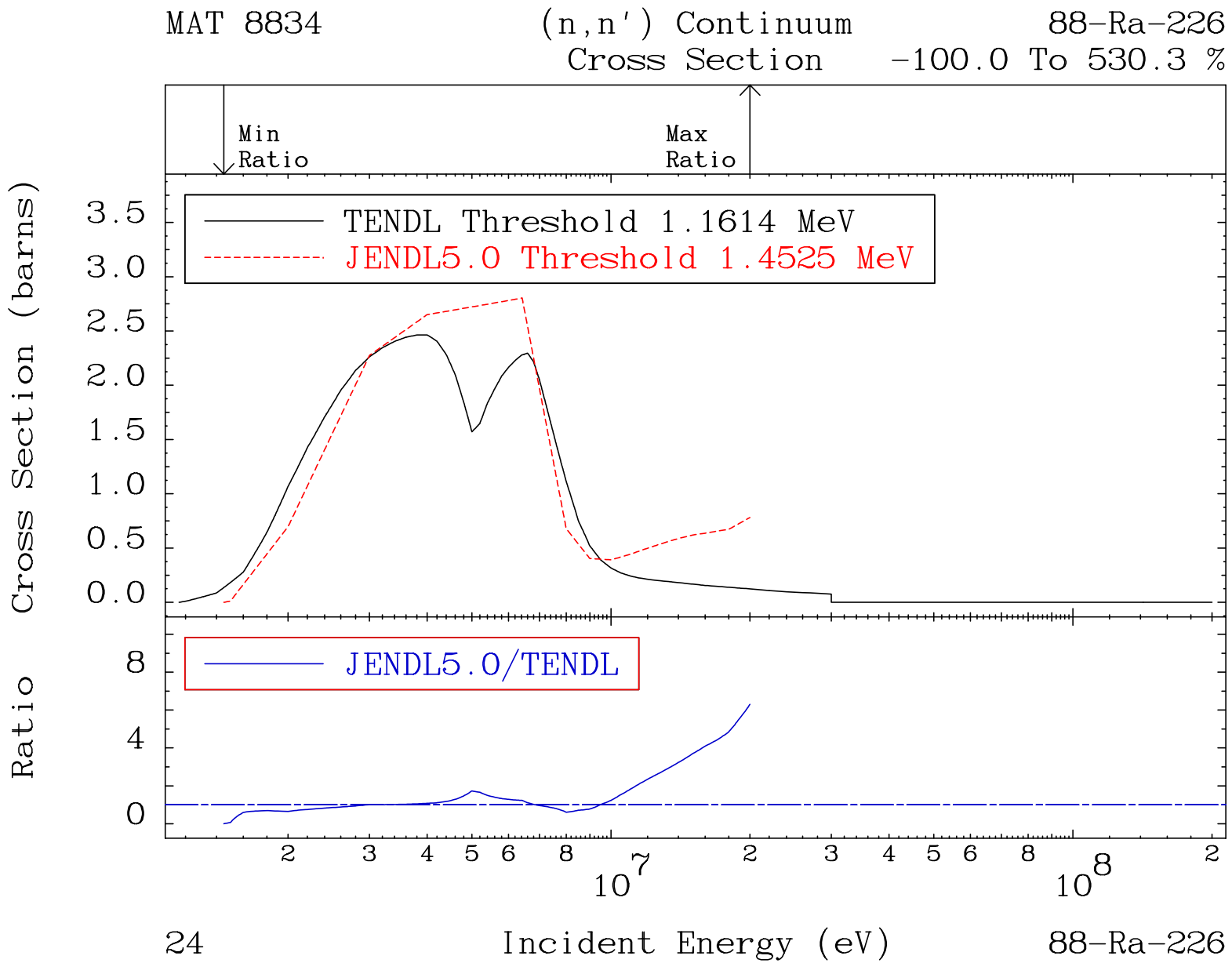

MAT 8834
MT= 62 (n,n') Level
88-Ra-226
Cross Section
-100.0 To 76.69 %
Max Ratio
Min Ratio
TENDL Threshold 877.60 keV
JENDL5.0 Threshold 877.60 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
19
88-Ra-226

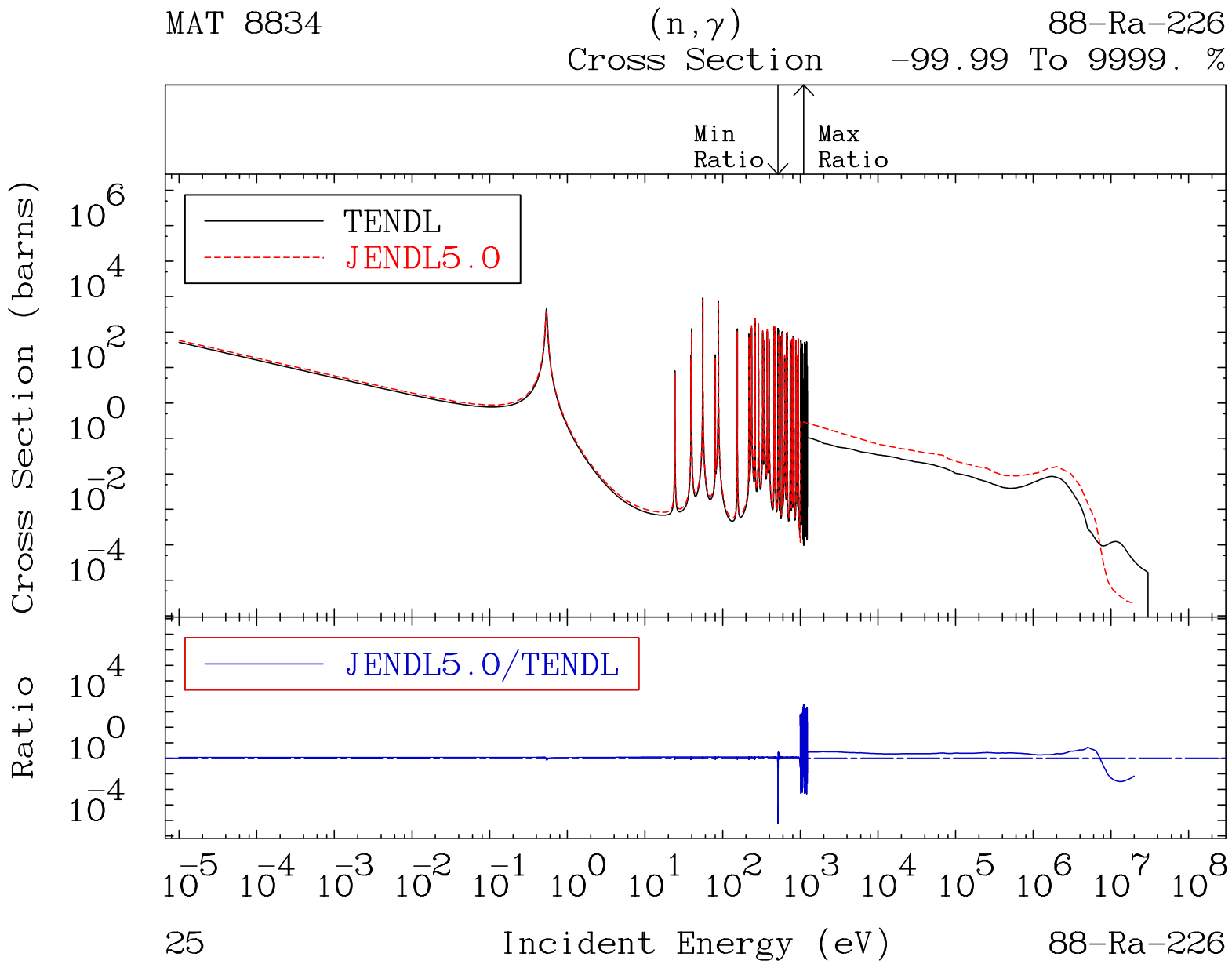

MAT 8834
MT= 63 (n,n') Level
88-Ra-226
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 964.18 keV
JENDL5.0 Threshold 964.28 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
400
200
0
10^6
10^7
10^8
Incident Energy (eV)
20
88-Ra-226

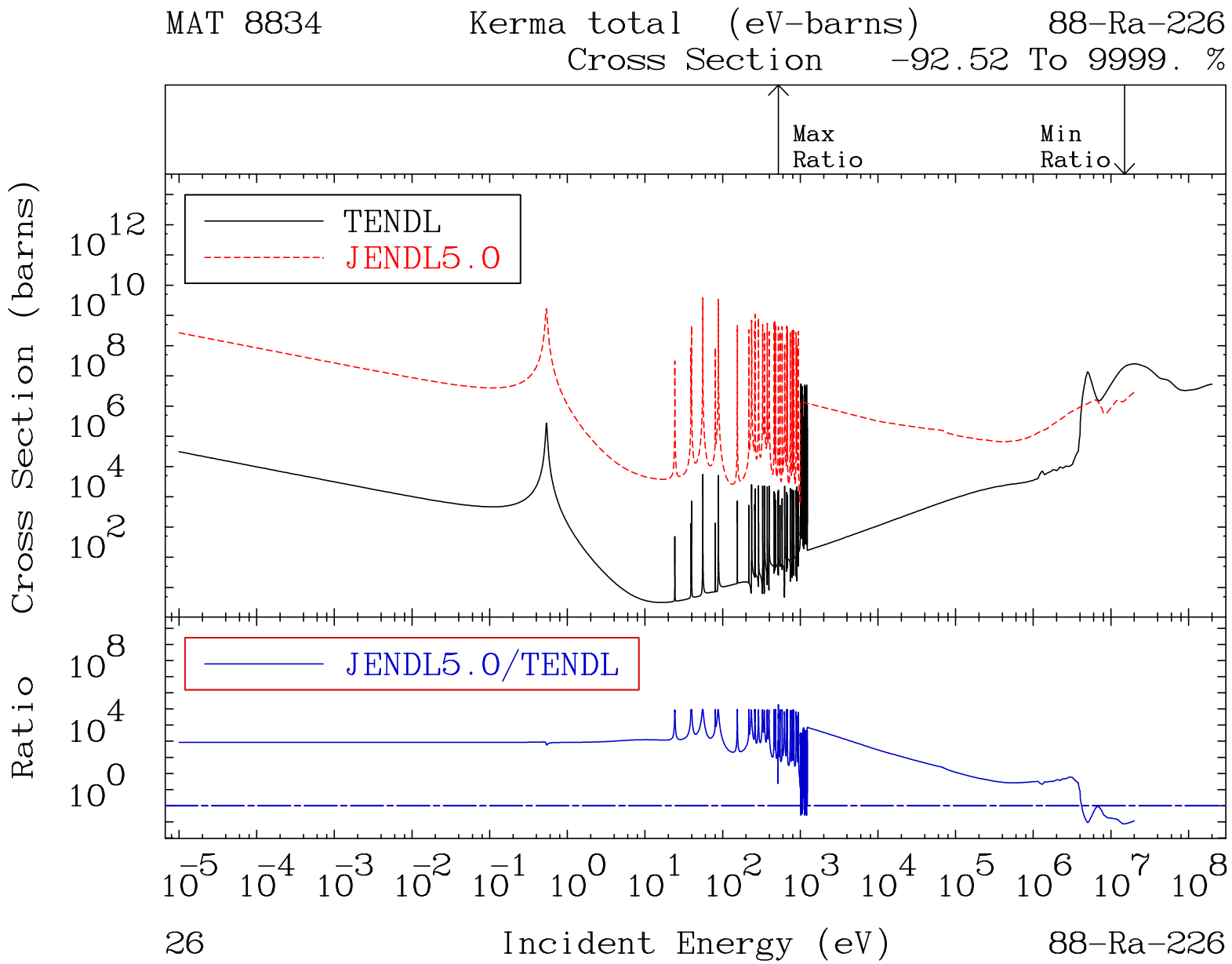

MAT 8834
MT= 64 (n,n') Level
88-Ra-226
Cross Section -100.0 To 474.0 %
Max Ratio
Min Ratio
TENDL Threshold 1.0535 MeV
JENDL5.0 Threshold 1.0533 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^0
10^-6
10^-12
10^6
10^7
10^8
Incident Energy (eV)
21
88-Ra-226

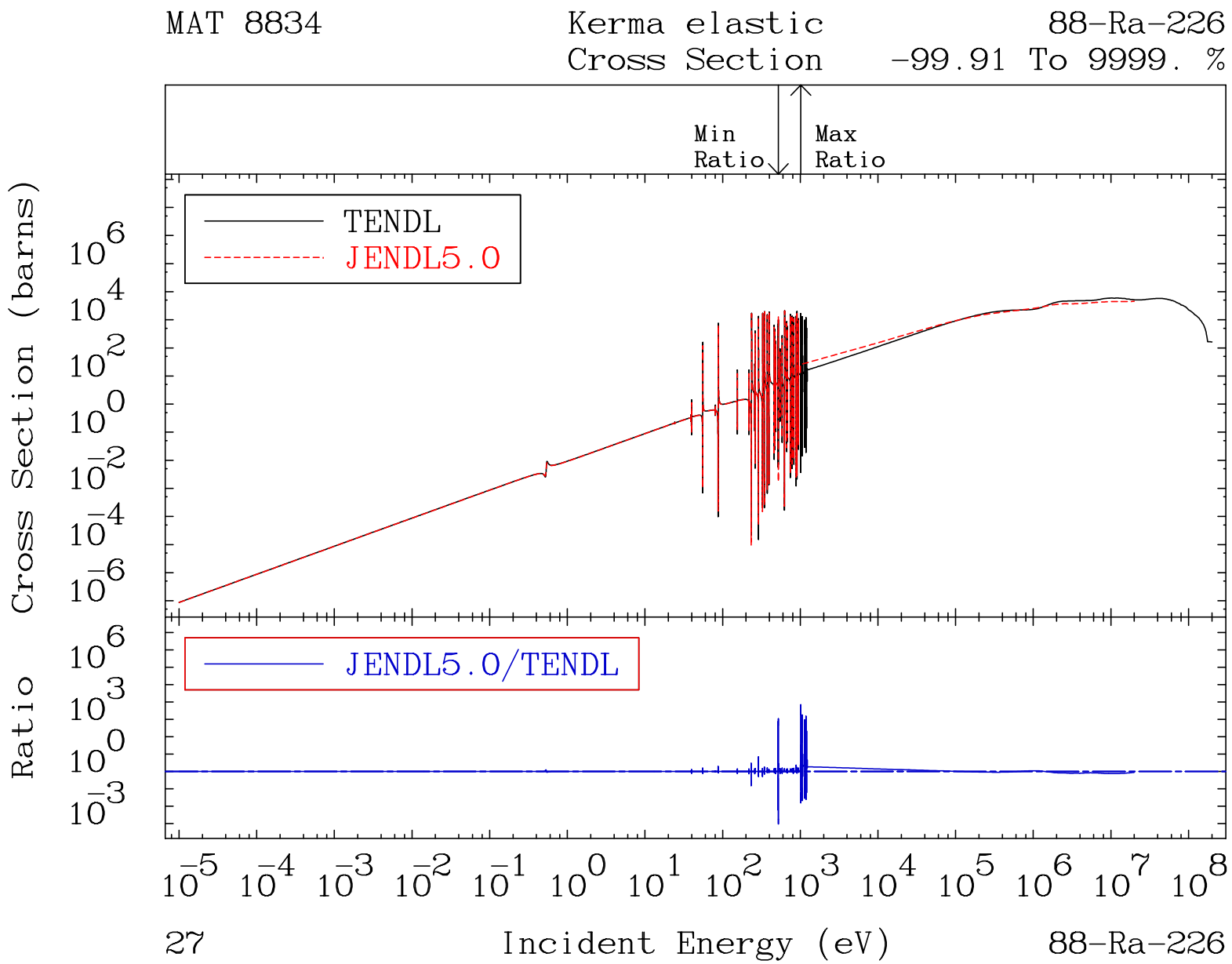

MAT 8834
MT= 65 (n,n') Level
88-Ra-226
Cross Section -100.0 To 952.5 %
Min Ratio
Max Ratio
TENDL Threshold 1.0753 MeV
JENDL5.0 Threshold 1.0753 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
12
6
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
22
Incident Energy (eV)
88-Ra-226

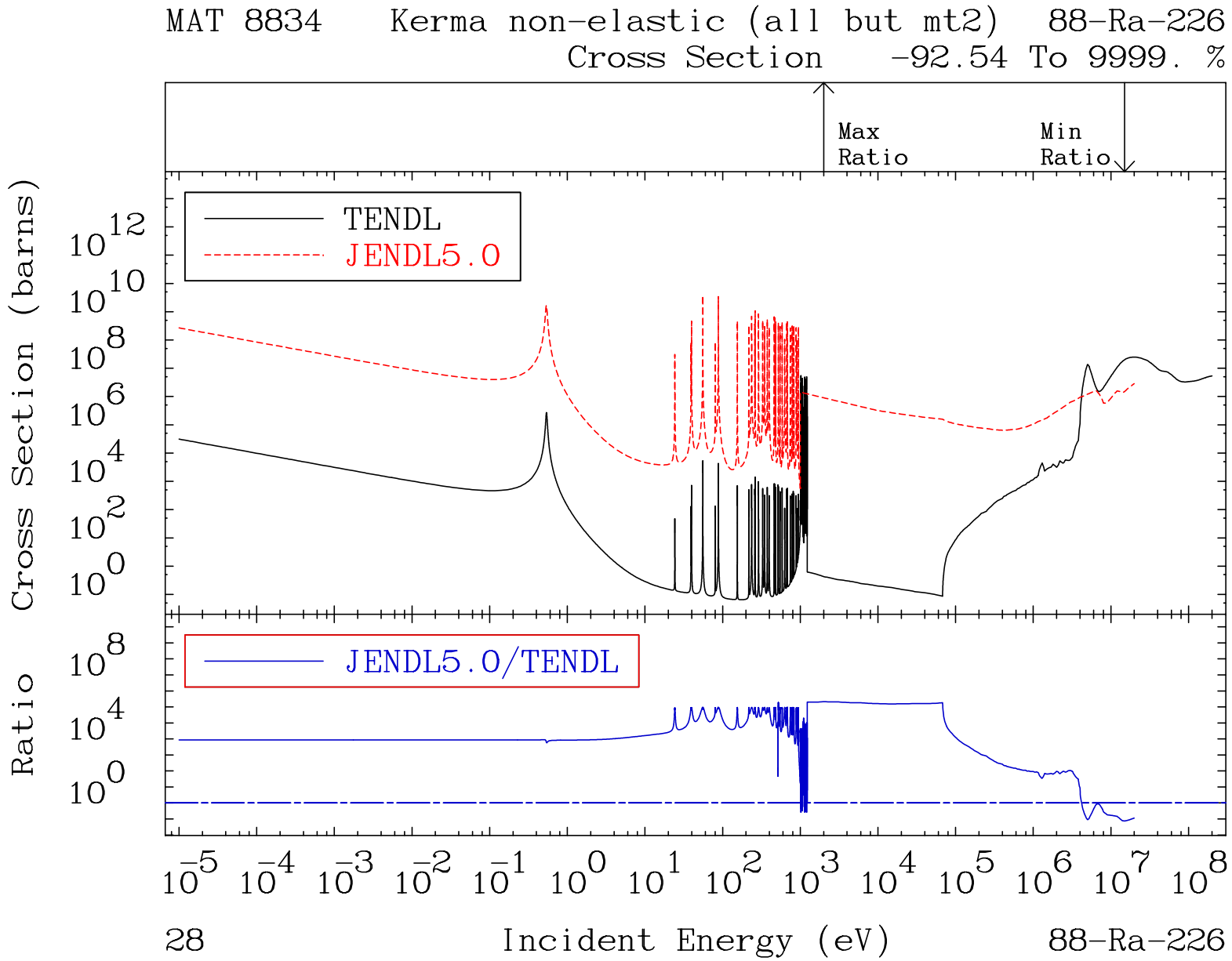

MAT 8834
MT= 66 (n,n') Level
88-Ra-226
Cross Section -100.0 To -99.72%
Min Ratio
Max Ratio
TENDL Threshold 1.0820 MeV
JENDL5.0 Threshold 1.1391 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
0.004
0.002
0.000
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
23
Incident Energy (eV)
88-Ra-226

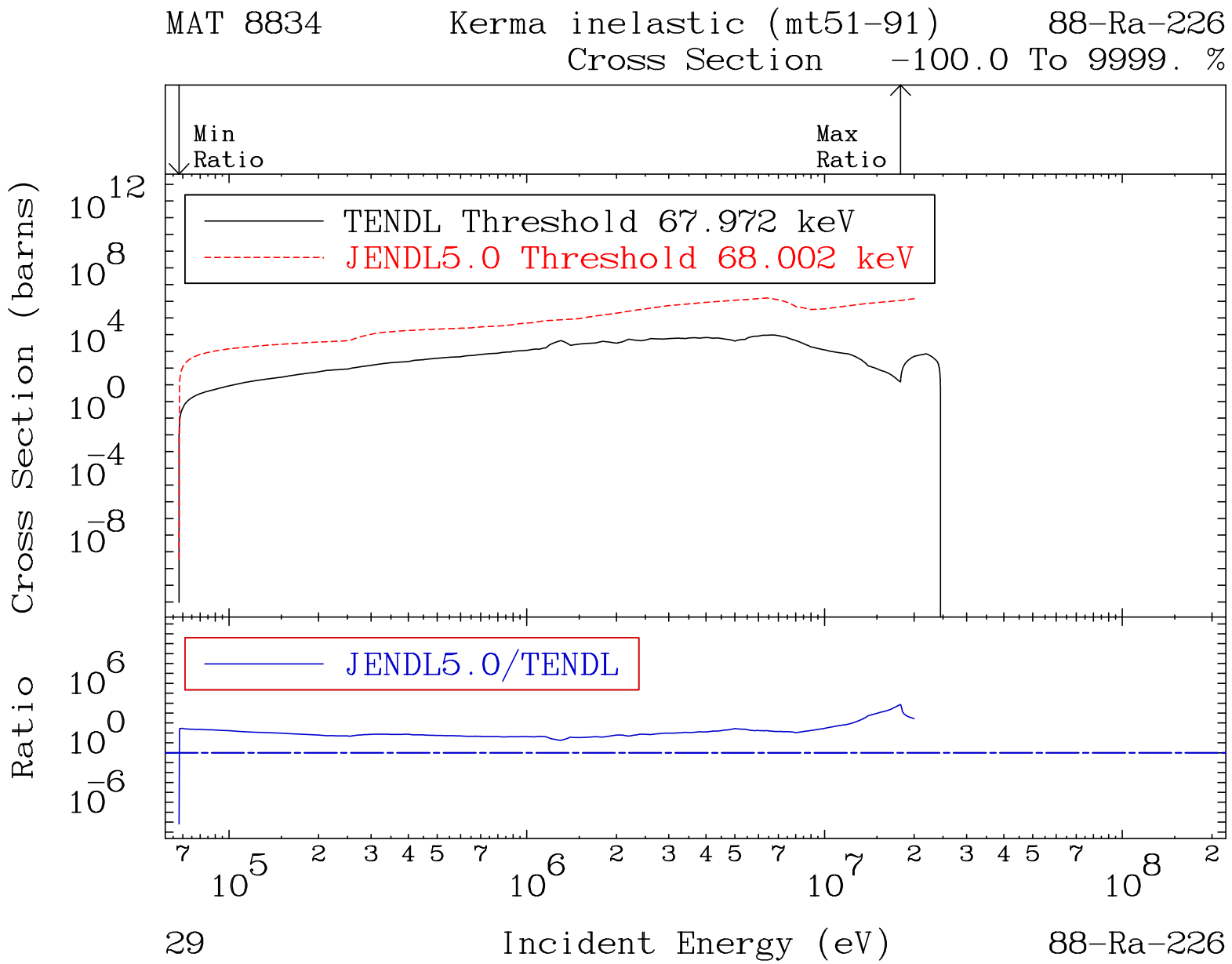

MAT 8834
(n,n') Continuum
Cross Section
88-Ra-226
-100.0 To 530.3 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.1614 MeV
JENDL5.0 Threshold 1.4525 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
8
4
0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
24
Incident Energy (eV)
88-Ra-226

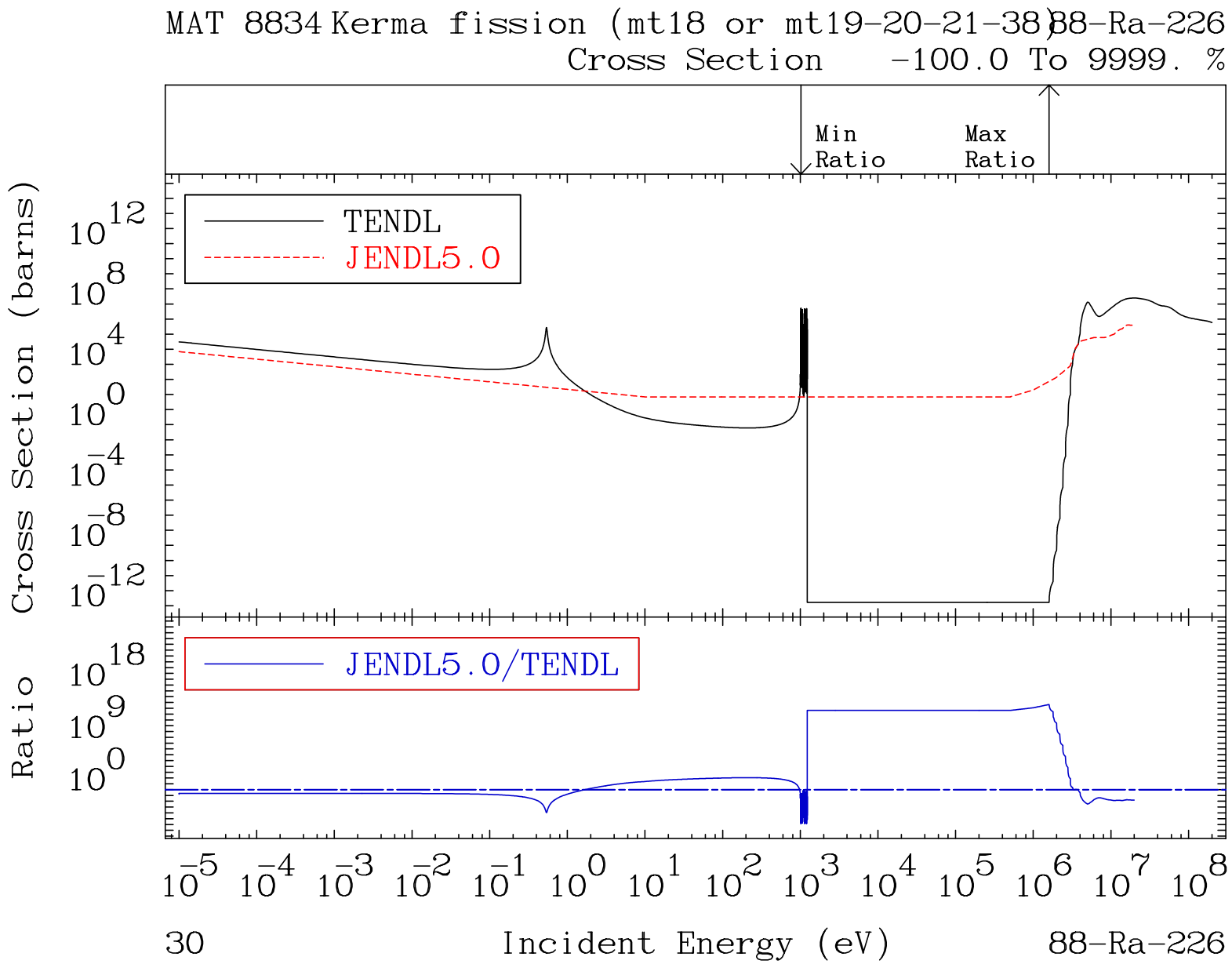

MAT 8834
(n,γ)
Cross Section
88-Ra-226
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
25
88-Ra-226

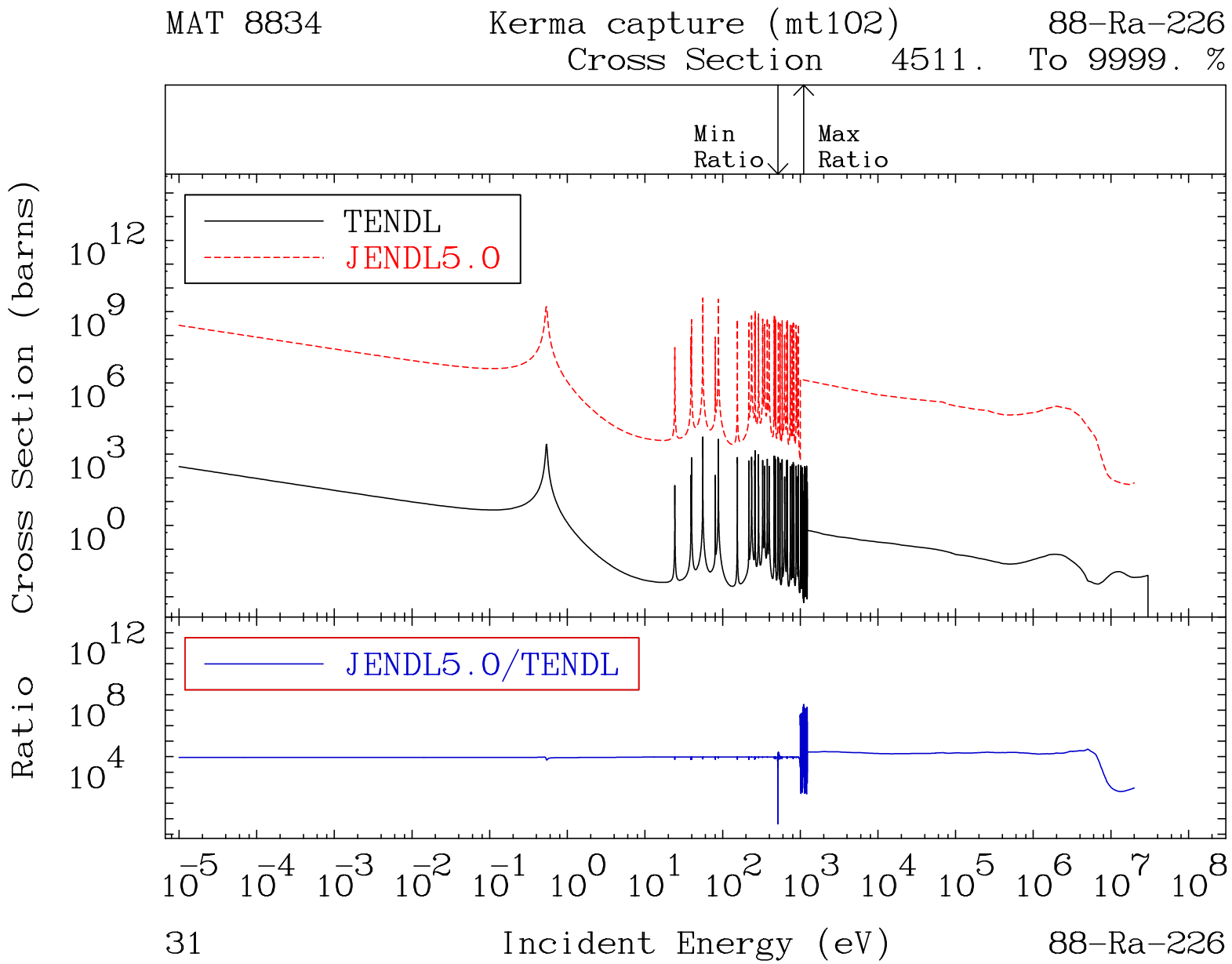

MAT 8834
Kerma total (eV-barns)
88-Ra-226
Cross Section -92.52 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
26
88-Ra-226

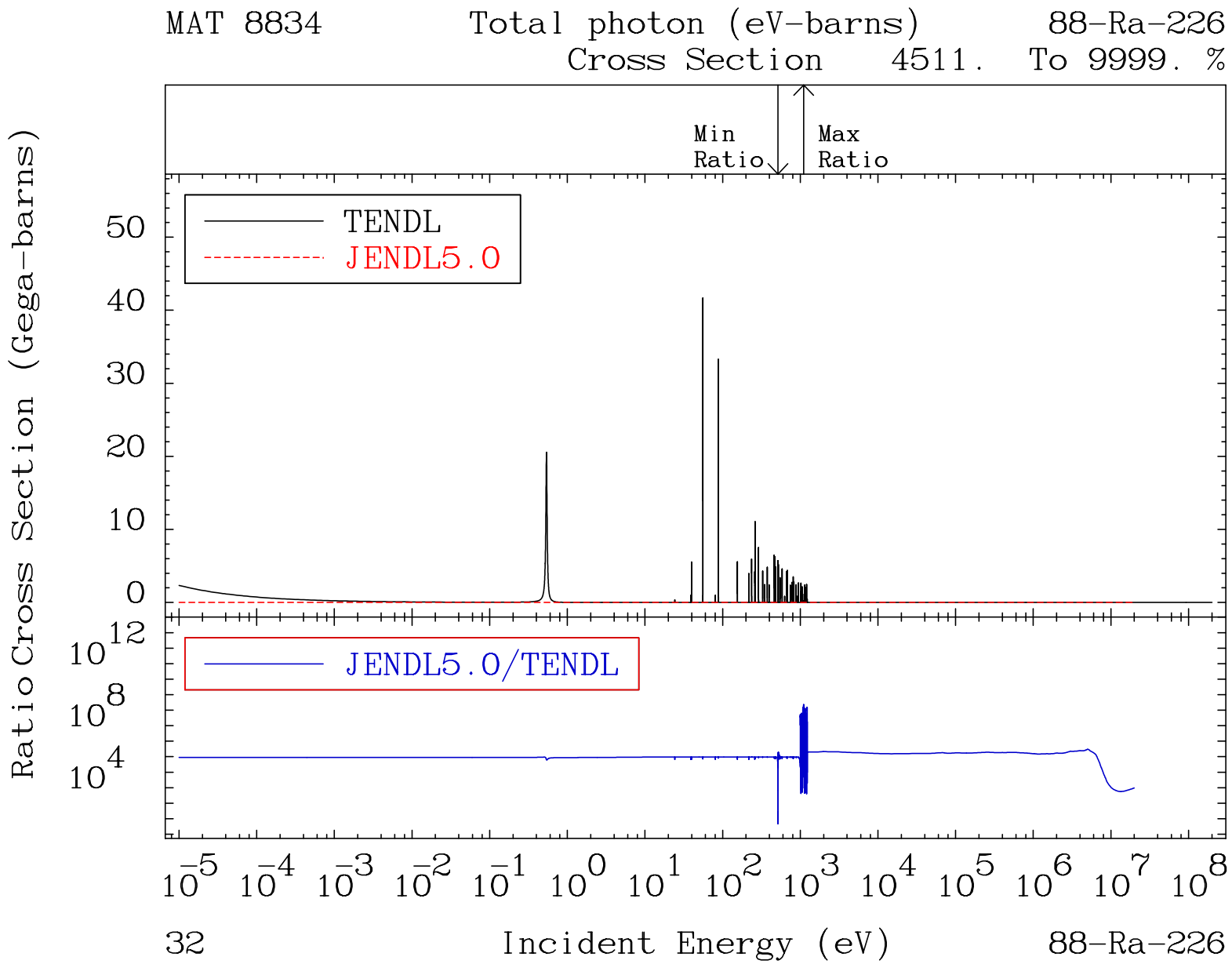

MAT 8834
Kerma elastic
Cross Section
88-Ra-226
-99.91 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
27
88-Ra-226

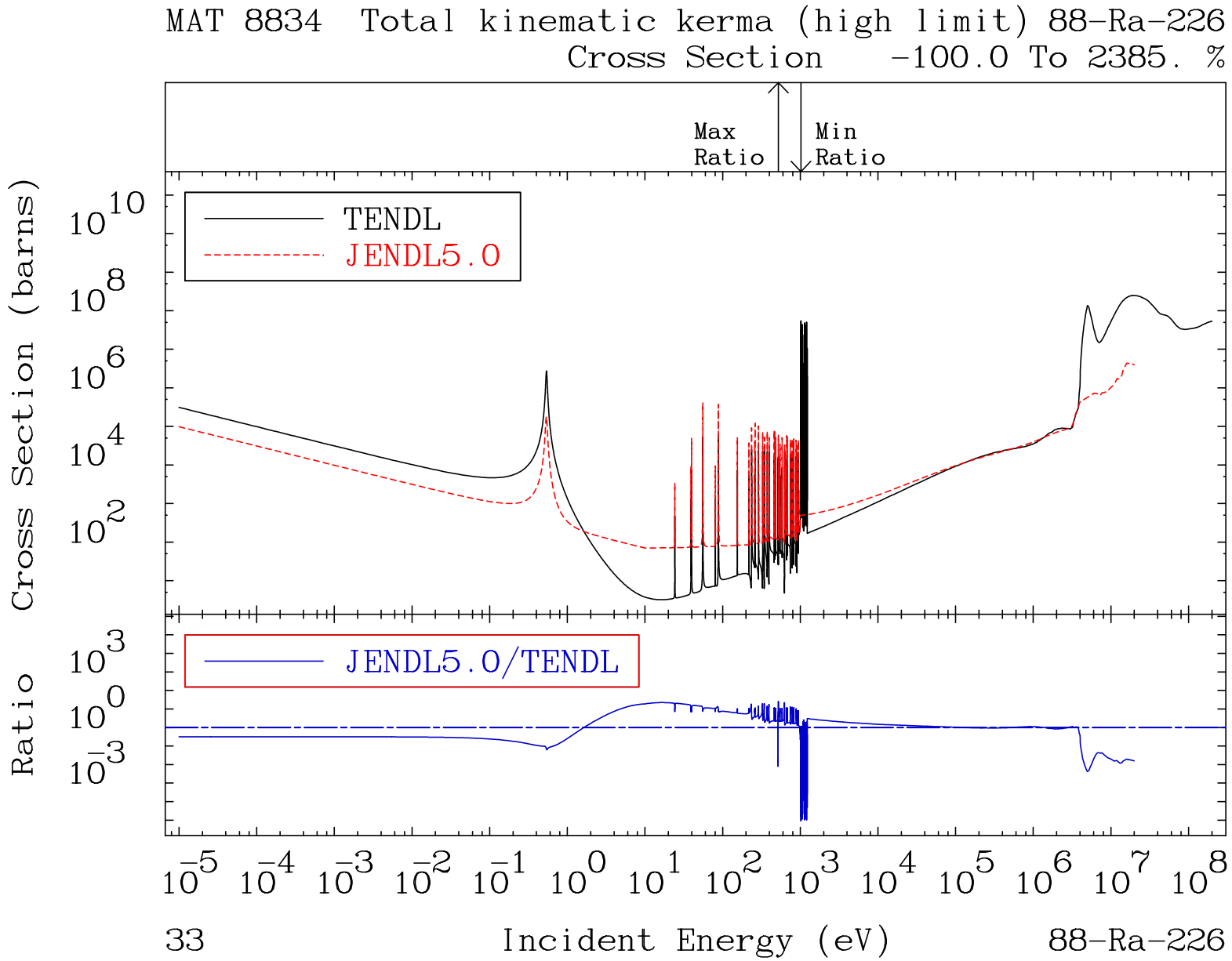

MAT 8834 Kerma non-elastic (all but mt2) 88-Ra-226
Cross Section -92.54 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
28
88-Ra-226

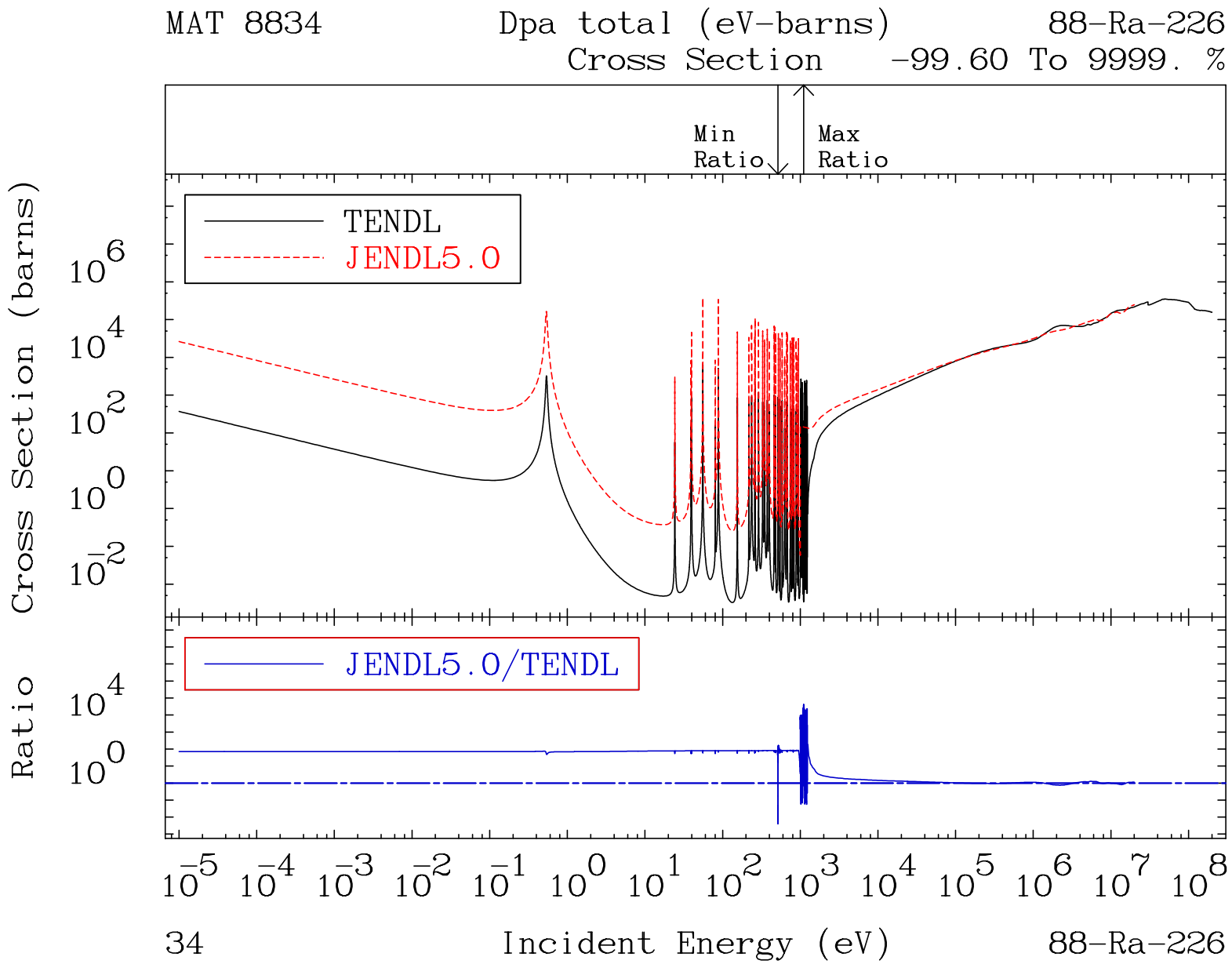

MAT 8834
Kerma inelastic (mt51-91)
88-Ra-226
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 67.972 keV
JENDL5.0 Threshold 68.002 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
29
88-Ra-226

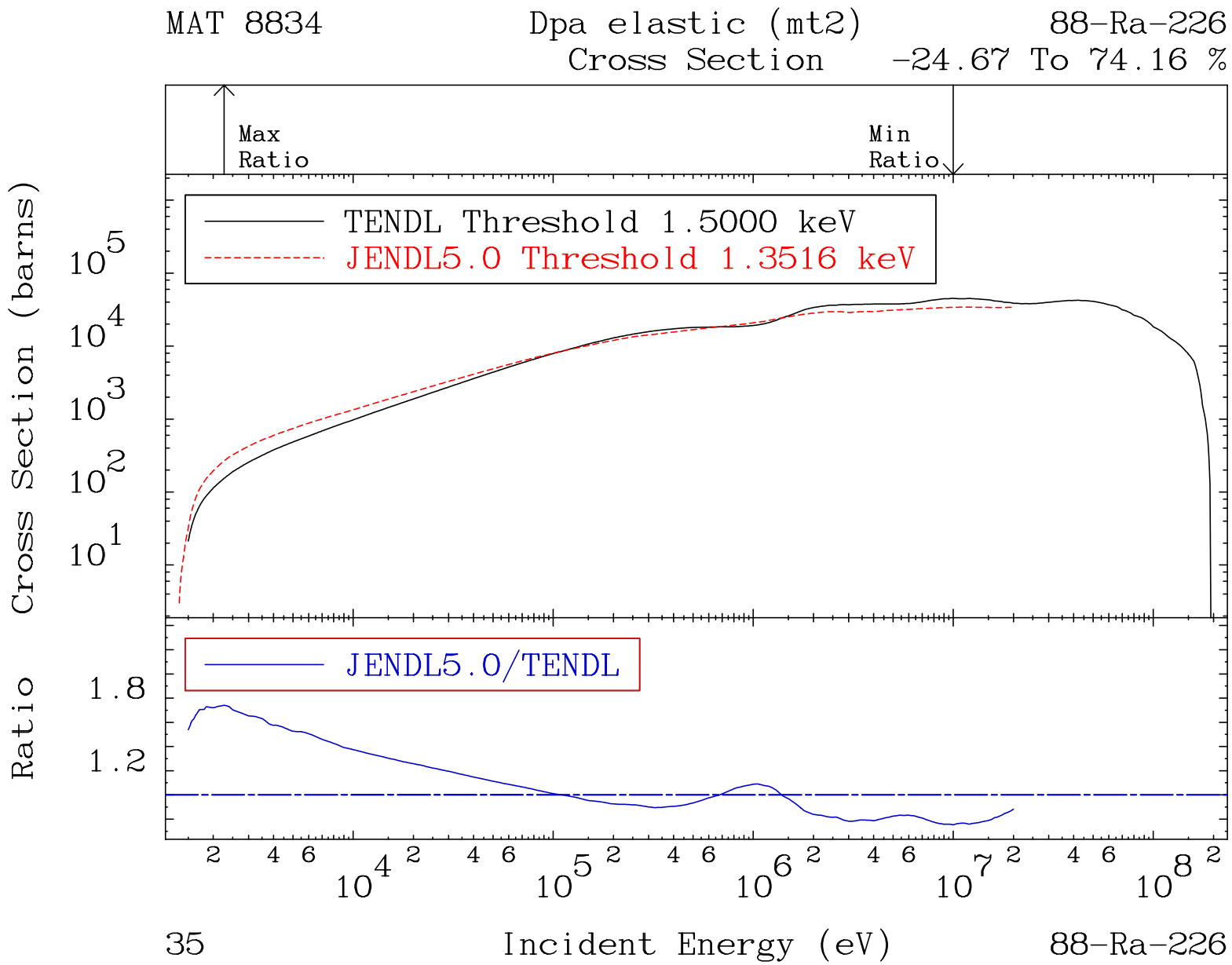

MAT 8834 Kerma fission (mt18 or mt19-20-21-38) 88-Ra-226
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
30
88-Ra-226

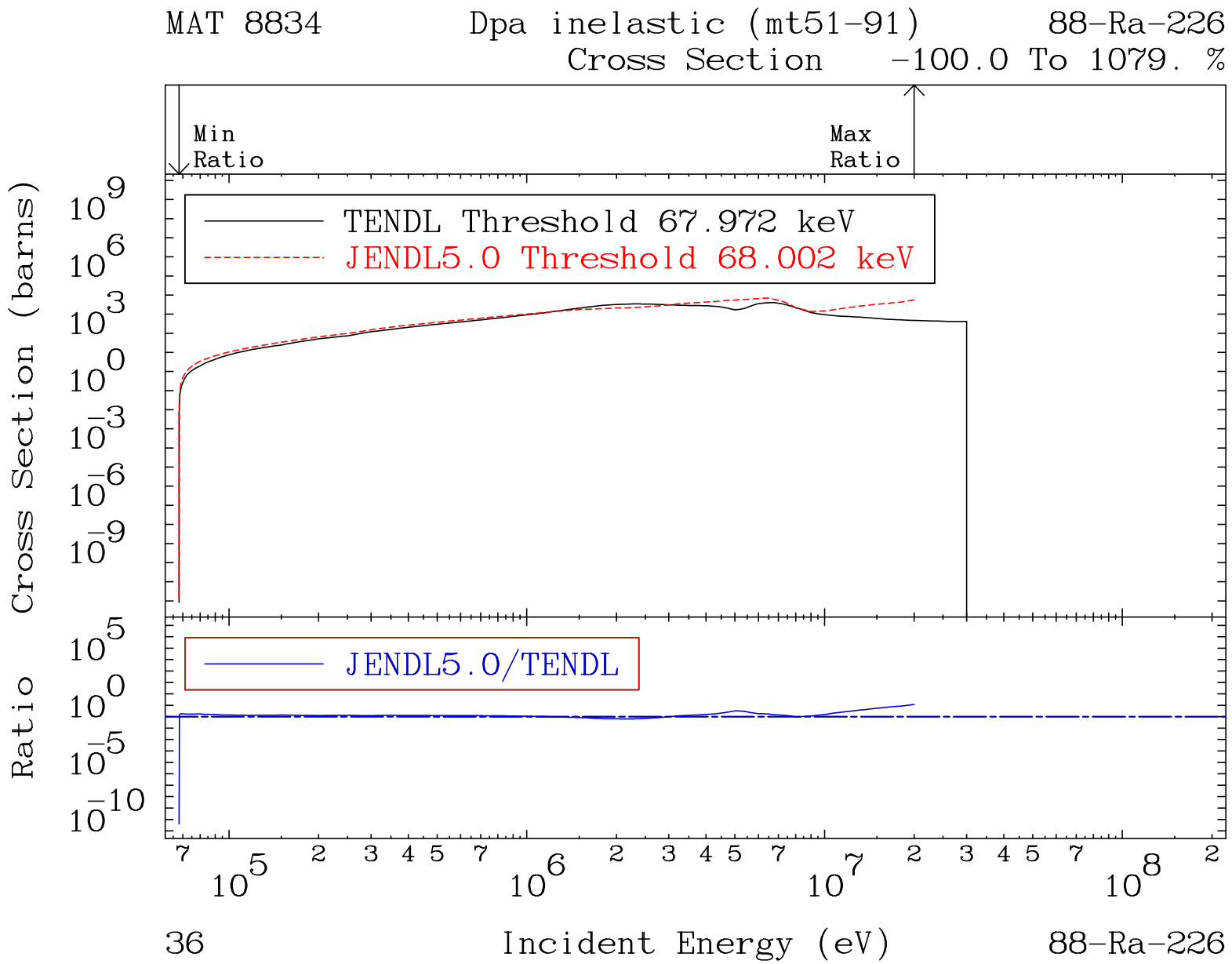

MAT 8834
Kerma capture (mt102)
88-Ra-226
Cross Section 4511. To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
31
88-Ra-226

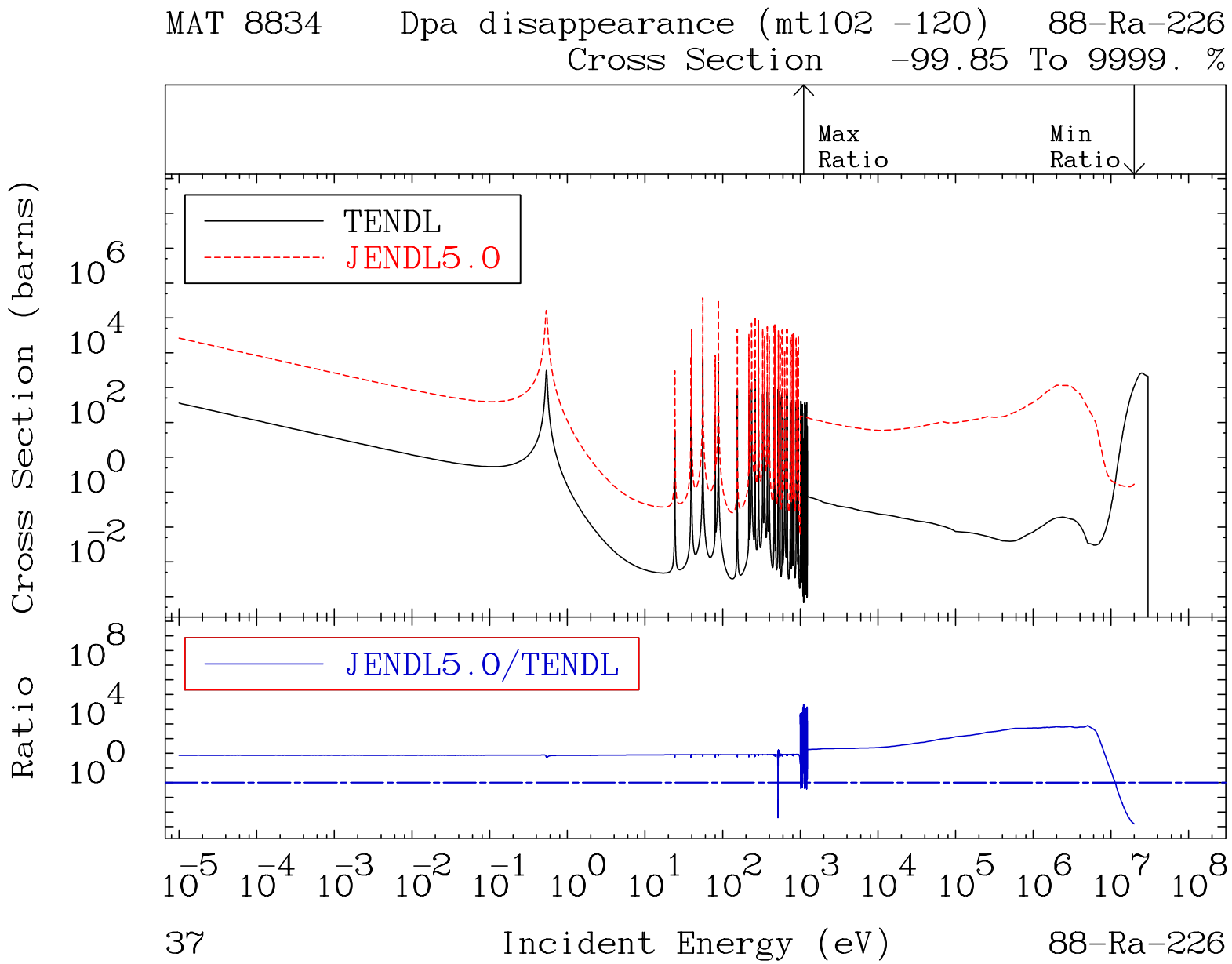

MAT 8834
Total photon (eV-barns)
88-Ra-226
Cross Section 4511. To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Ratio Cross Section (Giga-barns)
Incident Energy (eV)
32
88-Ra-226

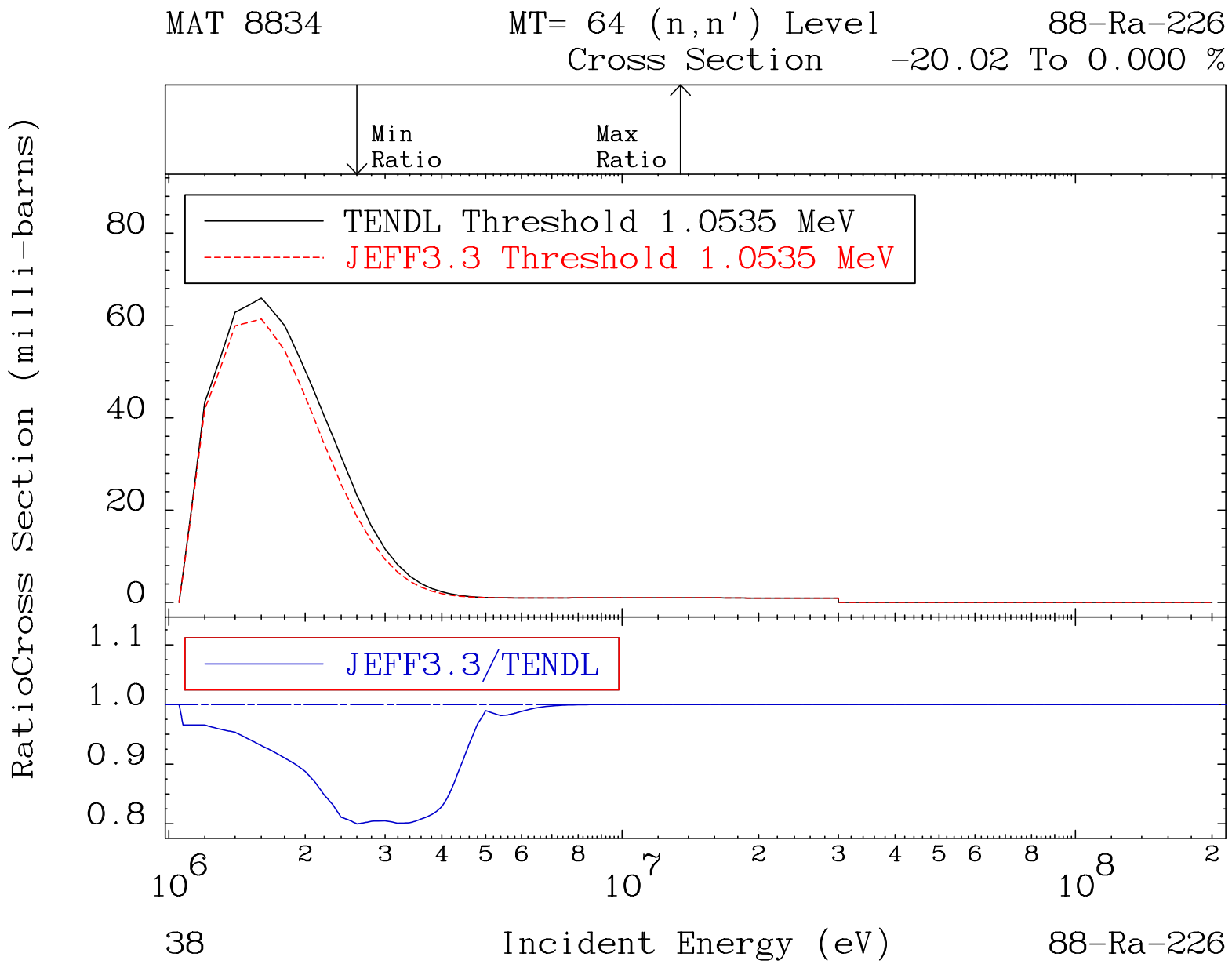

MAT 8834 Total kinematic kerma (high limit) 88-Ra-226
Cross Section -100.0 To 2385. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
33
88-Ra-226

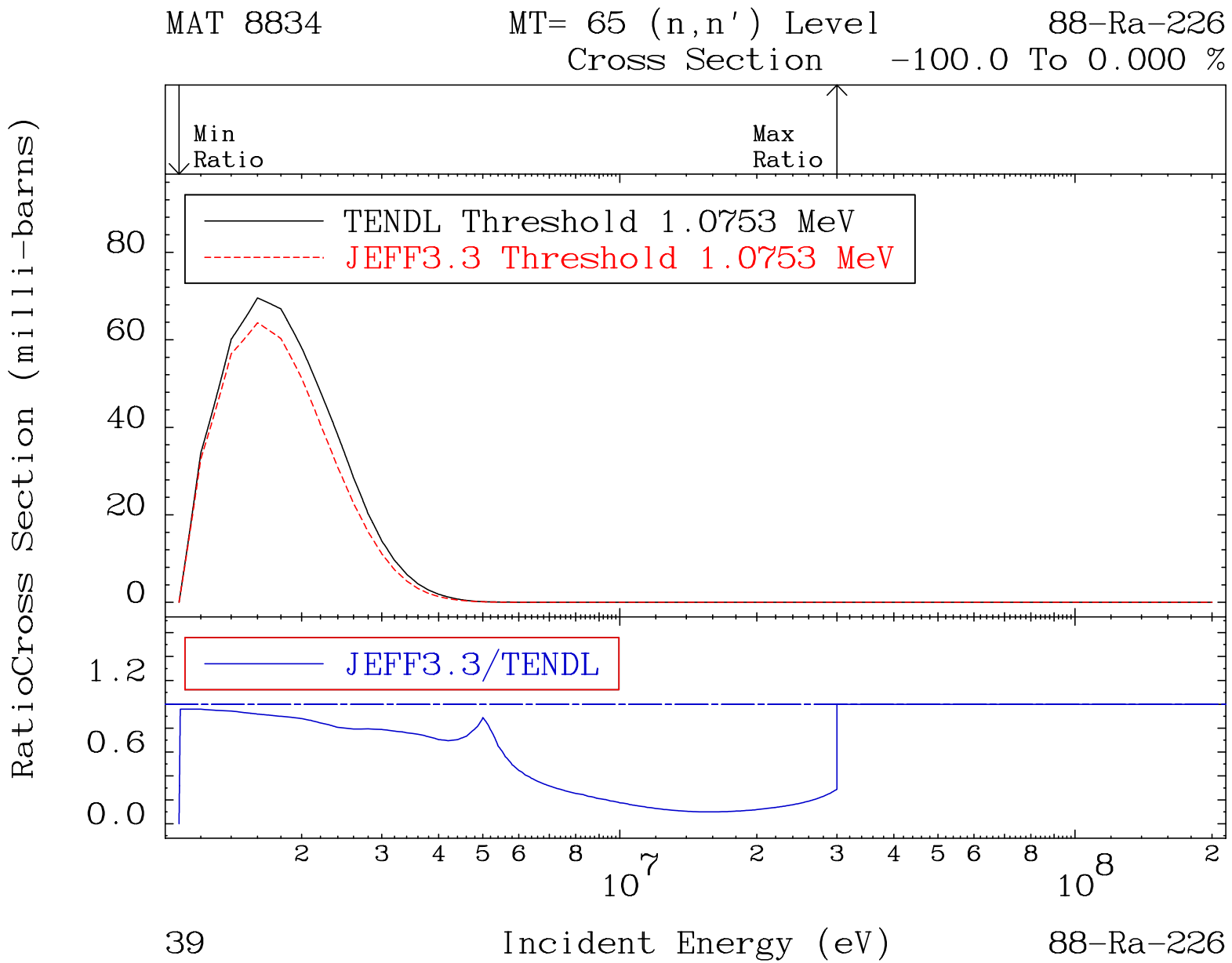

MAT 8834
Dpa total (eV-barns)
88-Ra-226
Cross Section -99.60 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
34
88-Ra-226

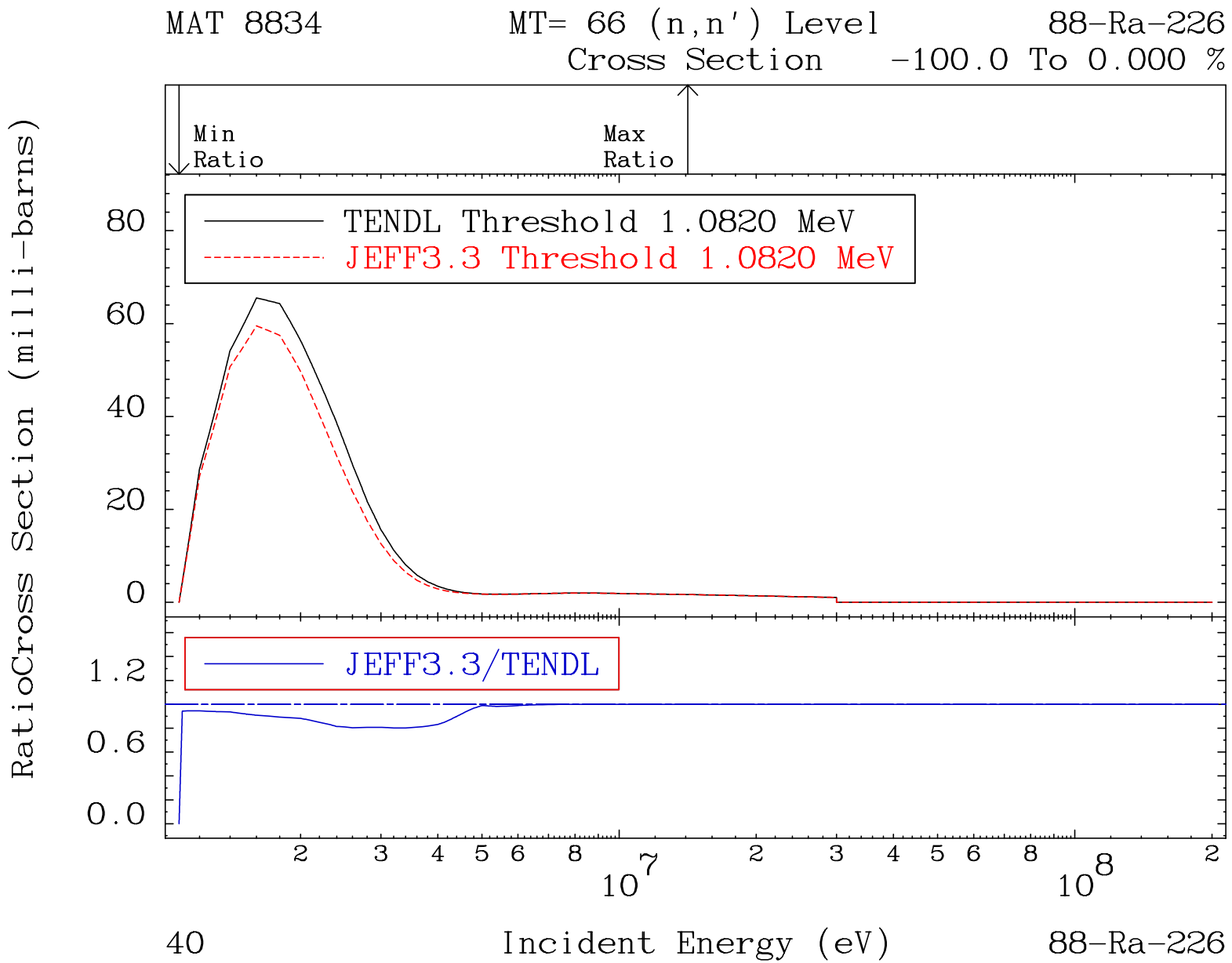

MAT 8834
Dpa elastic (mt2)
Cross Section
88-Ra-226
-24.67 To 74.16 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.5000 keV
JENDL5.0 Threshold 1.3516 keV
Cross Section (barns)
10^5
10^4
10^3
10^2
10^1
JENDL5.0/TENDL
Ratio
1.8
1.2
2 4 6 10^4 2 4 6 10^5 2 4 6 10^6 2 4 6 10^7 2 4 6 10^8 2
35
Incident Energy (eV)
88-Ra-226

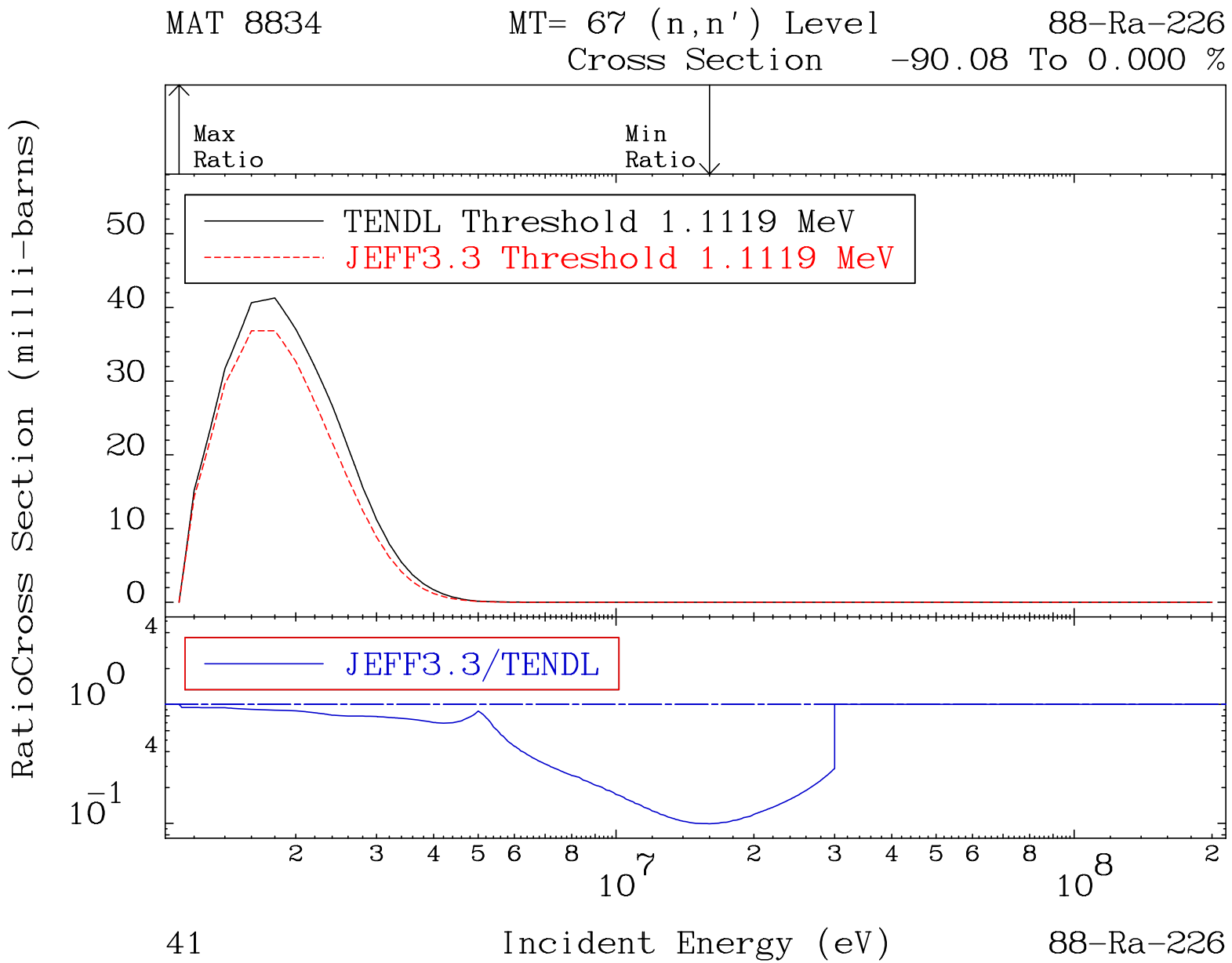

MAT 8834
Dpa inelastic (mt51-91)
88-Ra-226
Cross Section -100.0 To 1079. %
Min Ratio
Max Ratio
TENDL Threshold 67.972 keV
JENDL5.0 Threshold 68.002 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
36
88-Ra-226

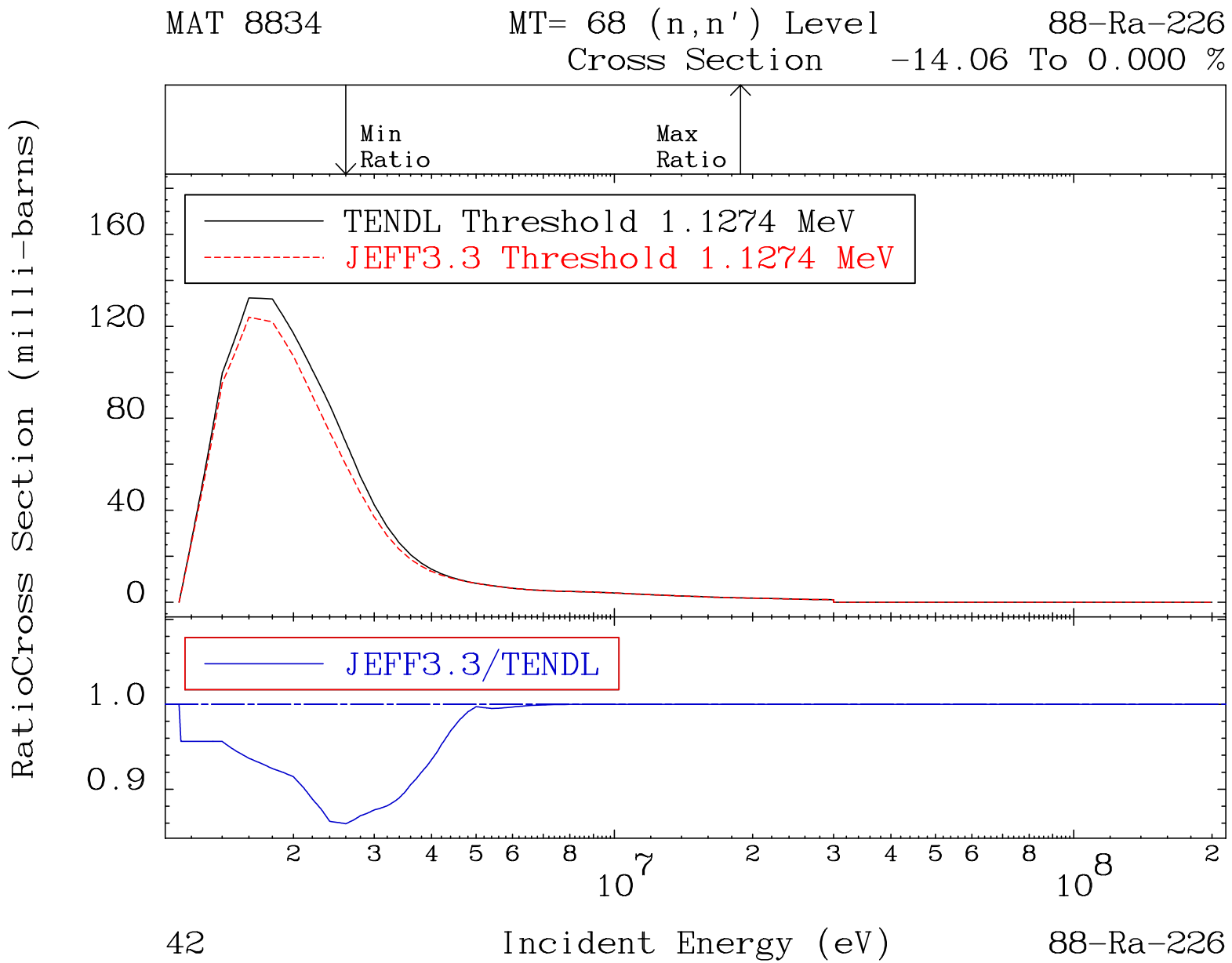

MAT 8834 Dpa disappearance (mt102 -120) 88-Ra-226
Cross Section -99.85 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
37
88-Ra-226

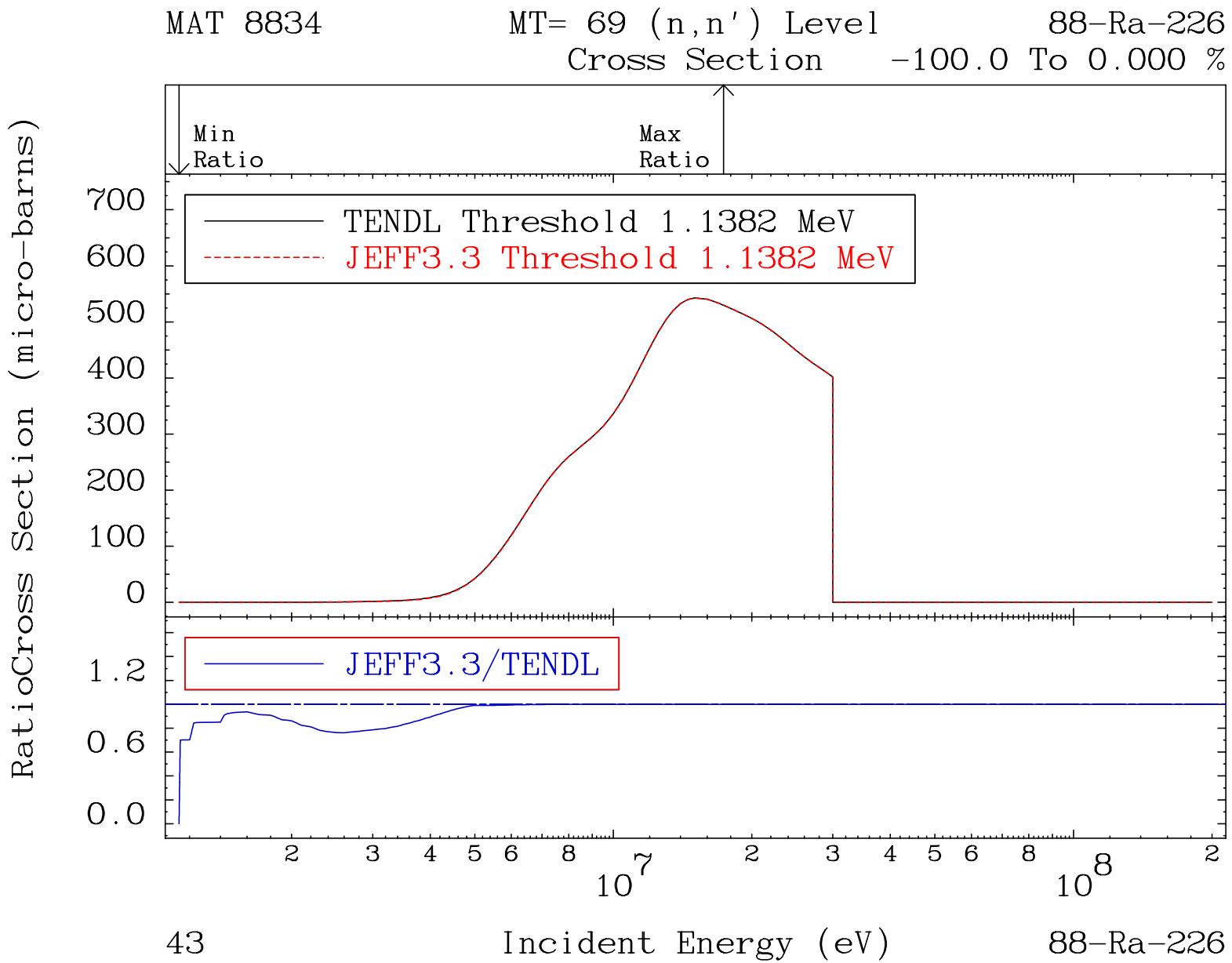

MAT 8834
MT= 64 (n,n') Level
88-Ra-226
Cross Section -20.02 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 1.0535 MeV
JEFF3.3 Threshold 1.0535 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.1
1.0
0.9
0.8
10^6
10^7
10^8
Incident Energy (eV)
38
88-Ra-226

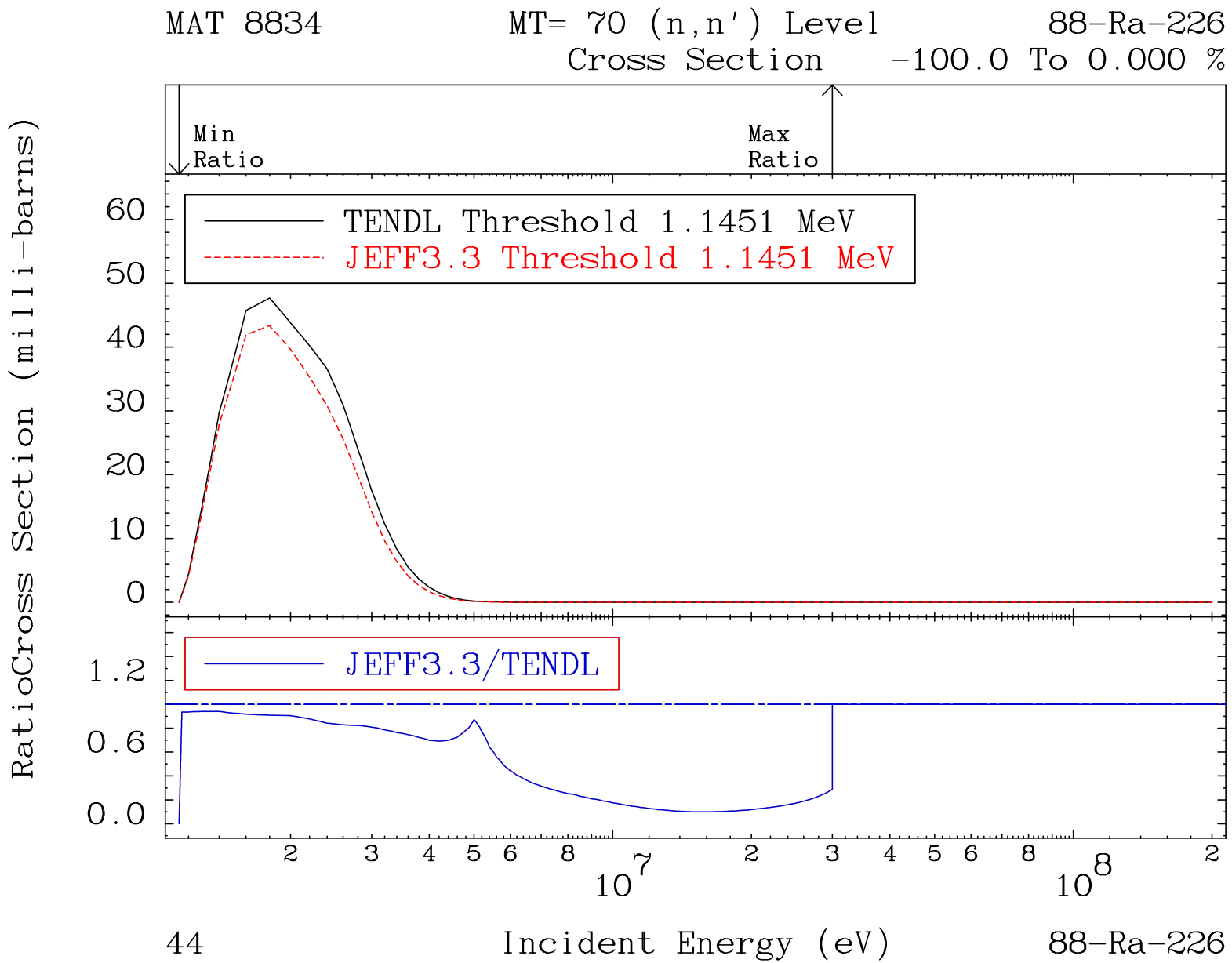

MAT 8834
MT= 65 (n,n') Level
88-Ra-226
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 1.0753 MeV
JEFF3.3 Threshold 1.0753 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
39
Incident Energy (eV)
88-Ra-226

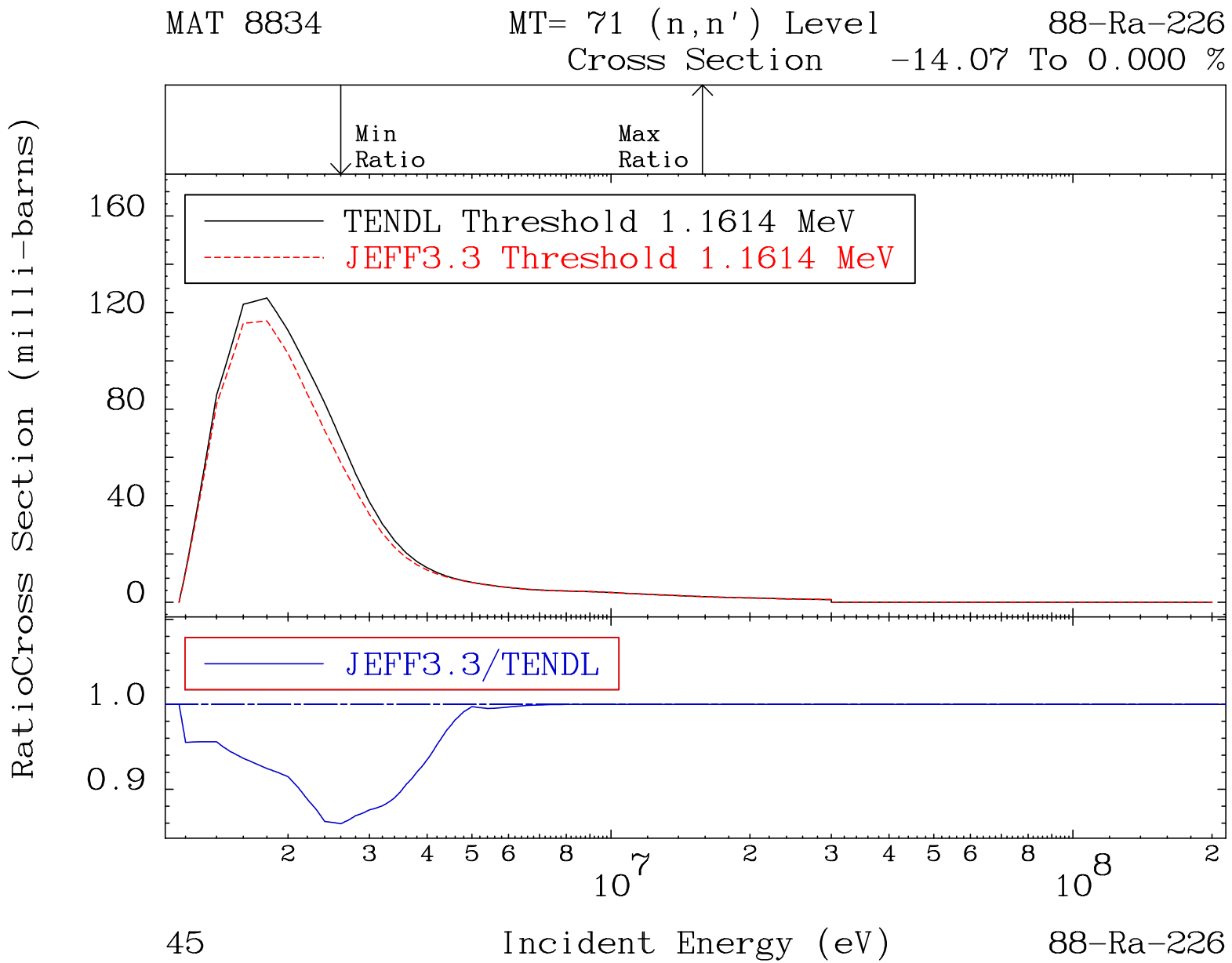

MAT 8834
MT= 66 (n,n') Level
88-Ra-226
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 1.0820 MeV
JEFF3.3 Threshold 1.0820 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
40
Incident Energy (eV)
88-Ra-226

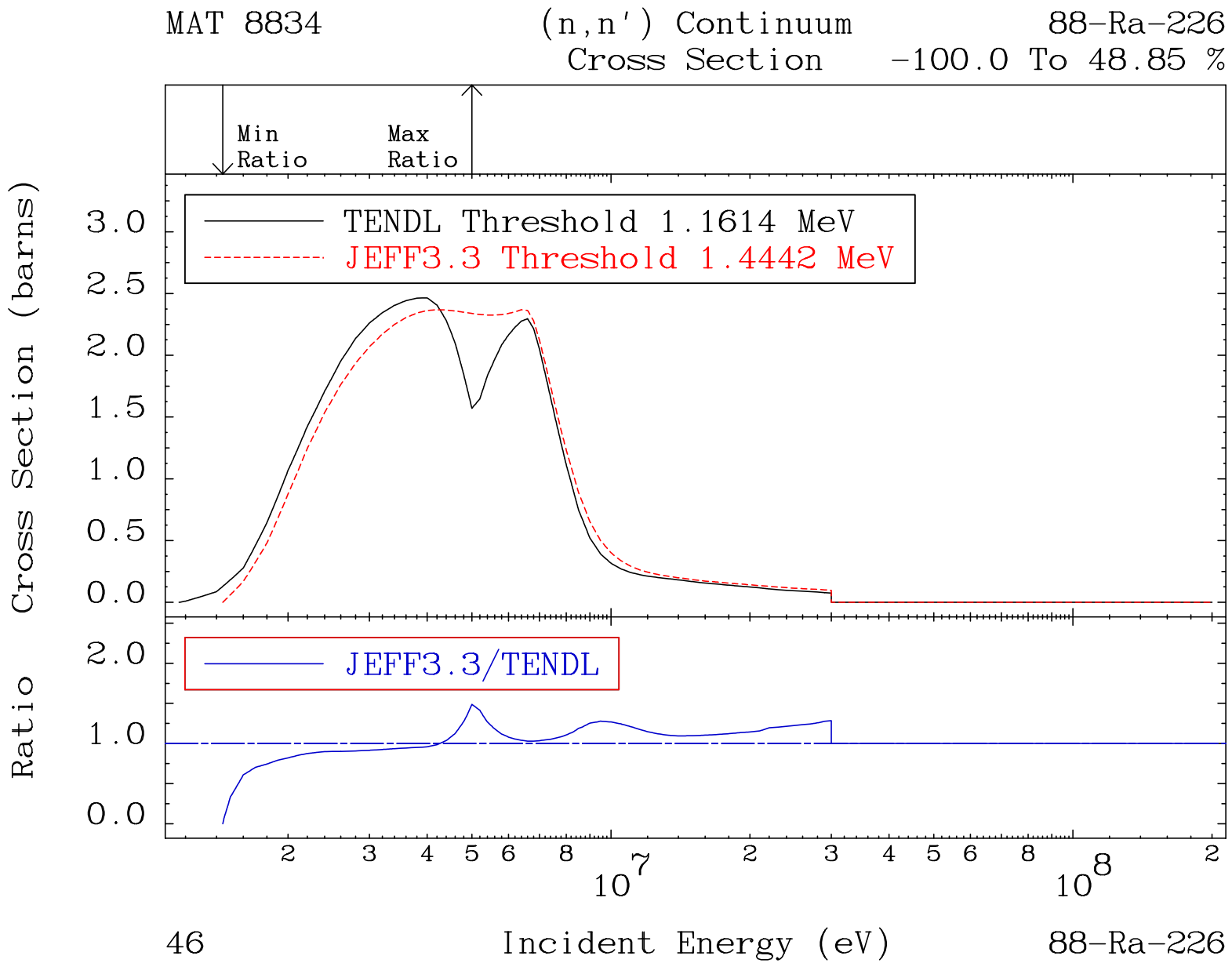

MAT 8834
MT= 67 (n,n') Level
Cross Section
88-Ra-226
-90.08 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 1.1119 MeV
JEFF3.3 Threshold 1.1119 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
4
10^{0}
4
10^{-1}
2 3 4 5 6 8 10^{7} 2 3 4 5 6 8 10^{8} 2
41
Incident Energy (eV)
88-Ra-226

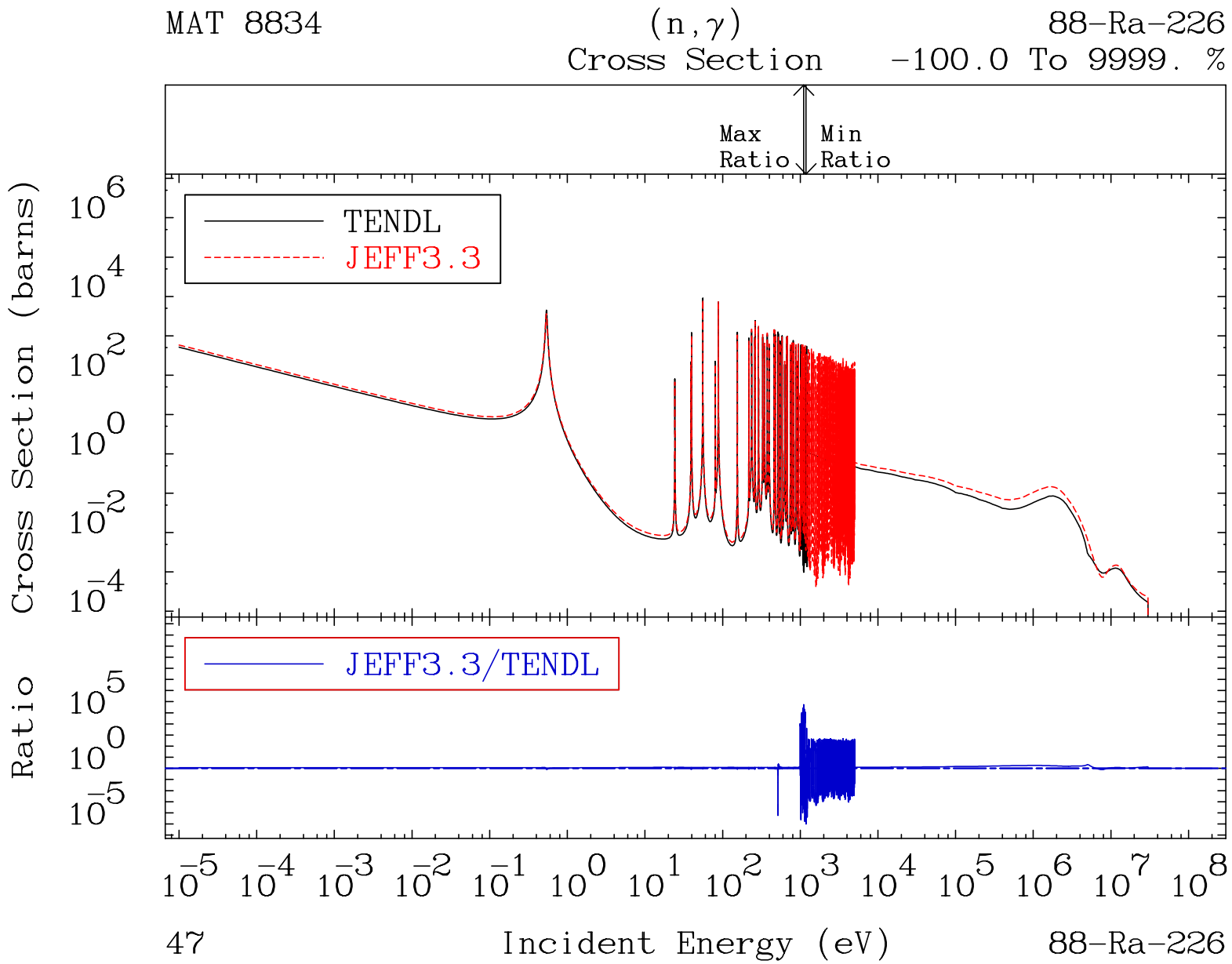

MAT 8834
MT= 68 (n,n') Level
88-Ra-226
Cross Section -14.06 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 1.1274 MeV
JEFF3.3 Threshold 1.1274 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.0
0.9
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
42
Incident Energy (eV)
88-Ra-226

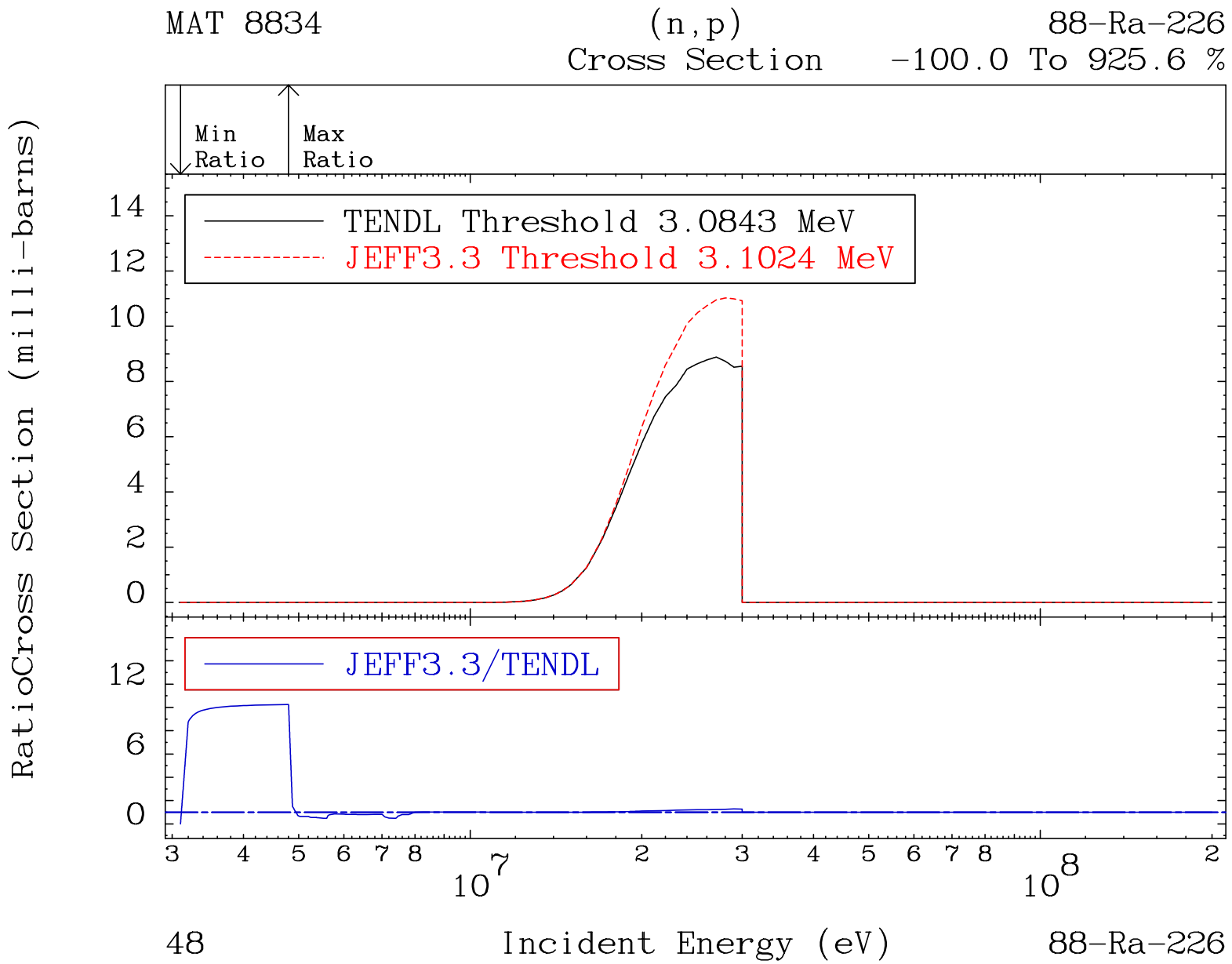

MAT 8834
MT= 69 (n,n') Level
88-Ra-226
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 1.1382 MeV
JEFF3.3 Threshold 1.1382 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
700
600
500
400
300
200
100
0
1.2
0.6
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
43
Incident Energy (eV)
88-Ra-226

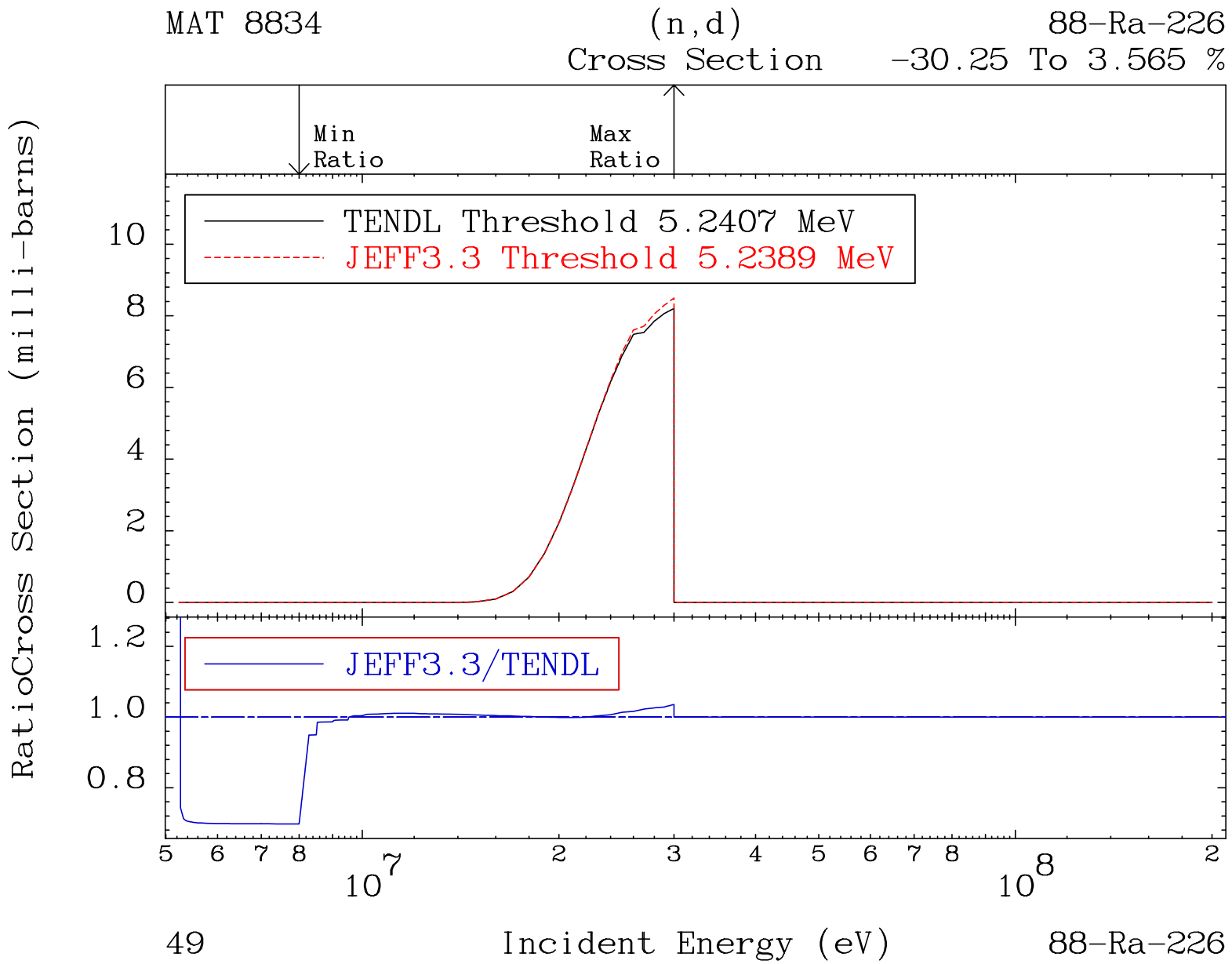

MAT 8834
MT= 70 (n,n') Level
88-Ra-226
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 1.1451 MeV
JEFF3.3 Threshold 1.1451 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.6
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
44
Incident Energy (eV)
88-Ra-226

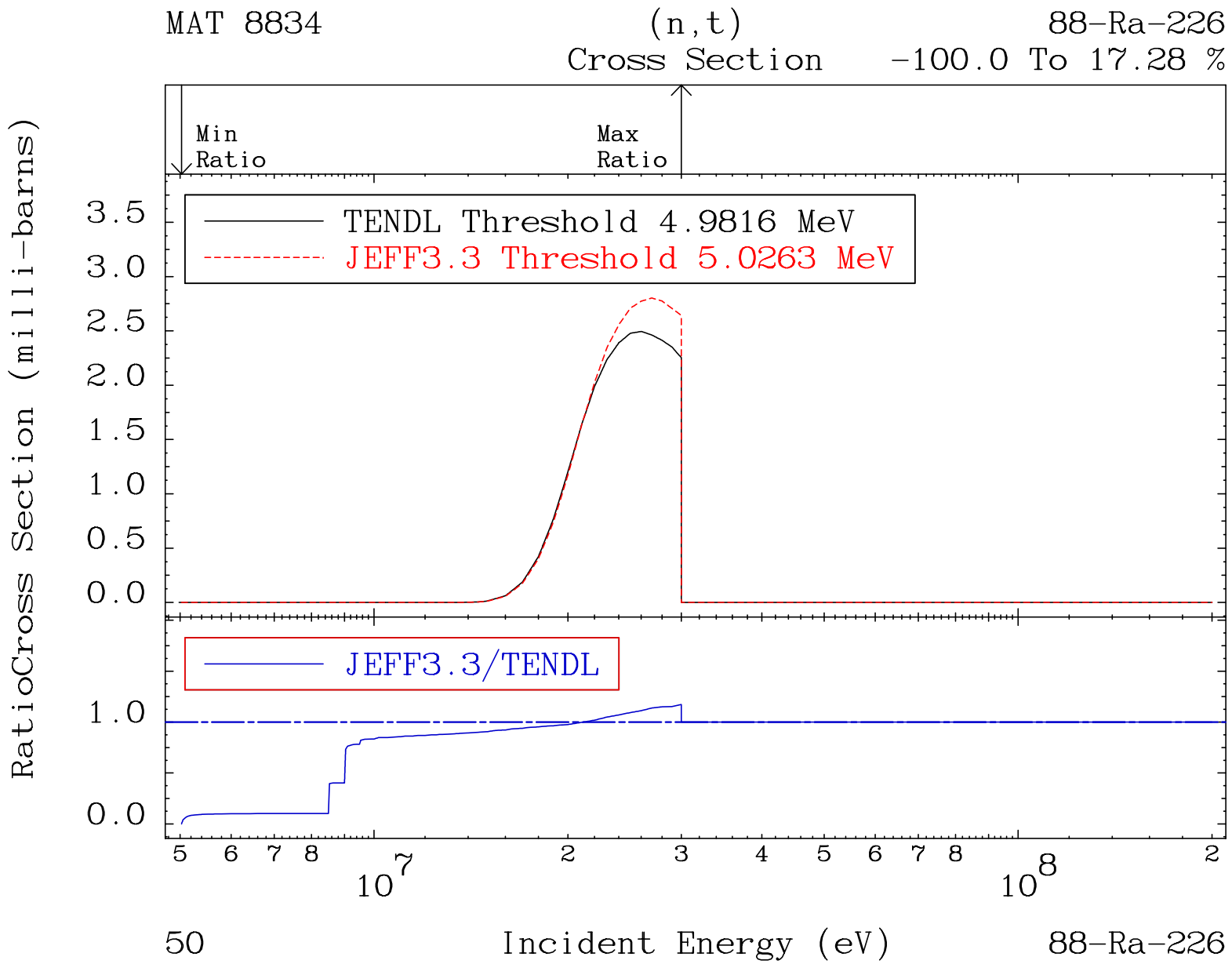

MAT 8834
MT= 71 (n,n') Level
88-Ra-226
Cross Section -14.07 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 1.1614 MeV
JEFF3.3 Threshold 1.1614 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.0
0.9
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
45
Incident Energy (eV)
88-Ra-226

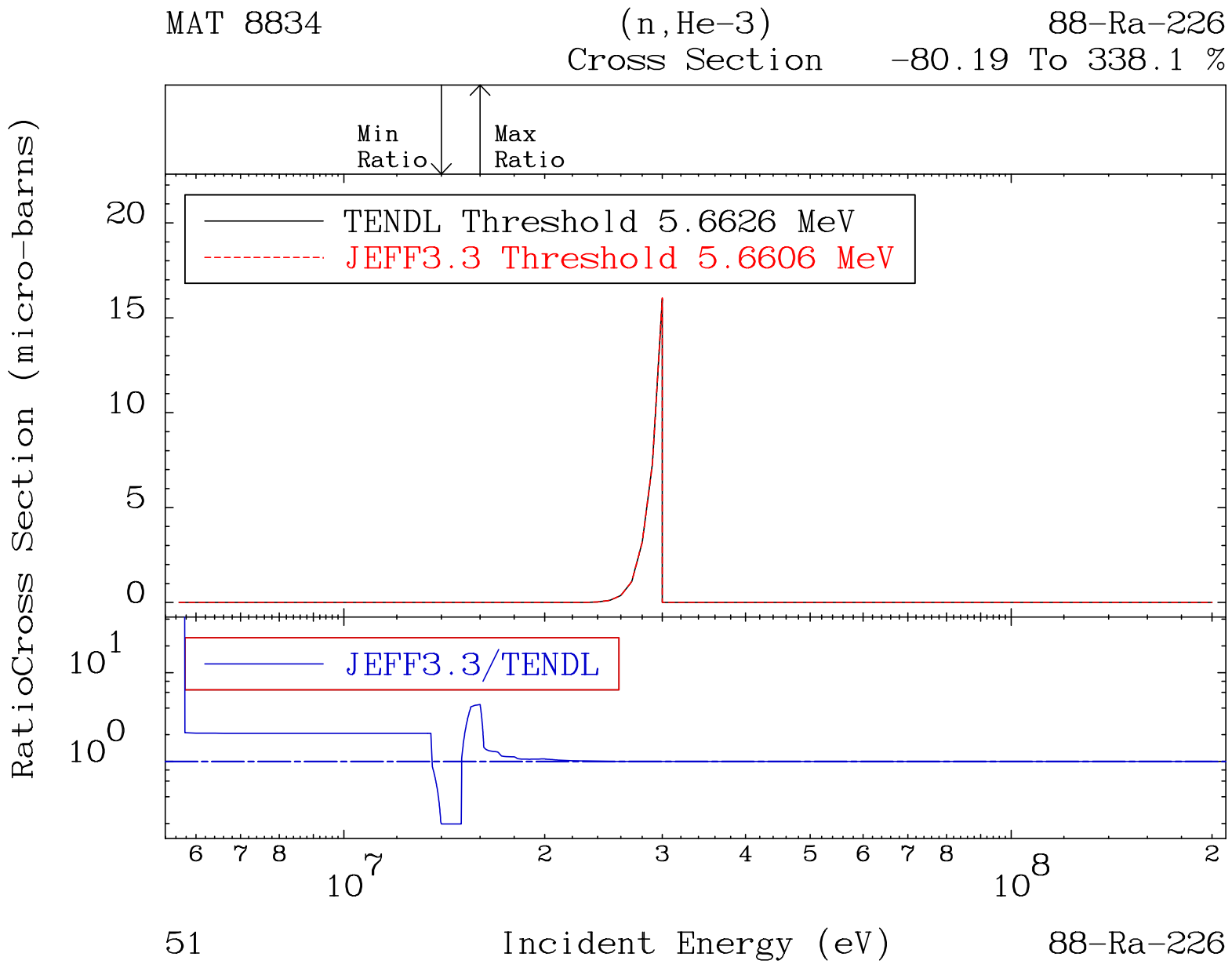

MAT 8834
(n,n') Continuum
Cross Section
88-Ra-226
-100.0 To 48.85 %
Min Ratio
Max Ratio
TENDL Threshold 1.1614 MeV
JEFF3.3 Threshold 1.4442 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
2.0
1.0
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
46
Incident Energy (eV)
88-Ra-226

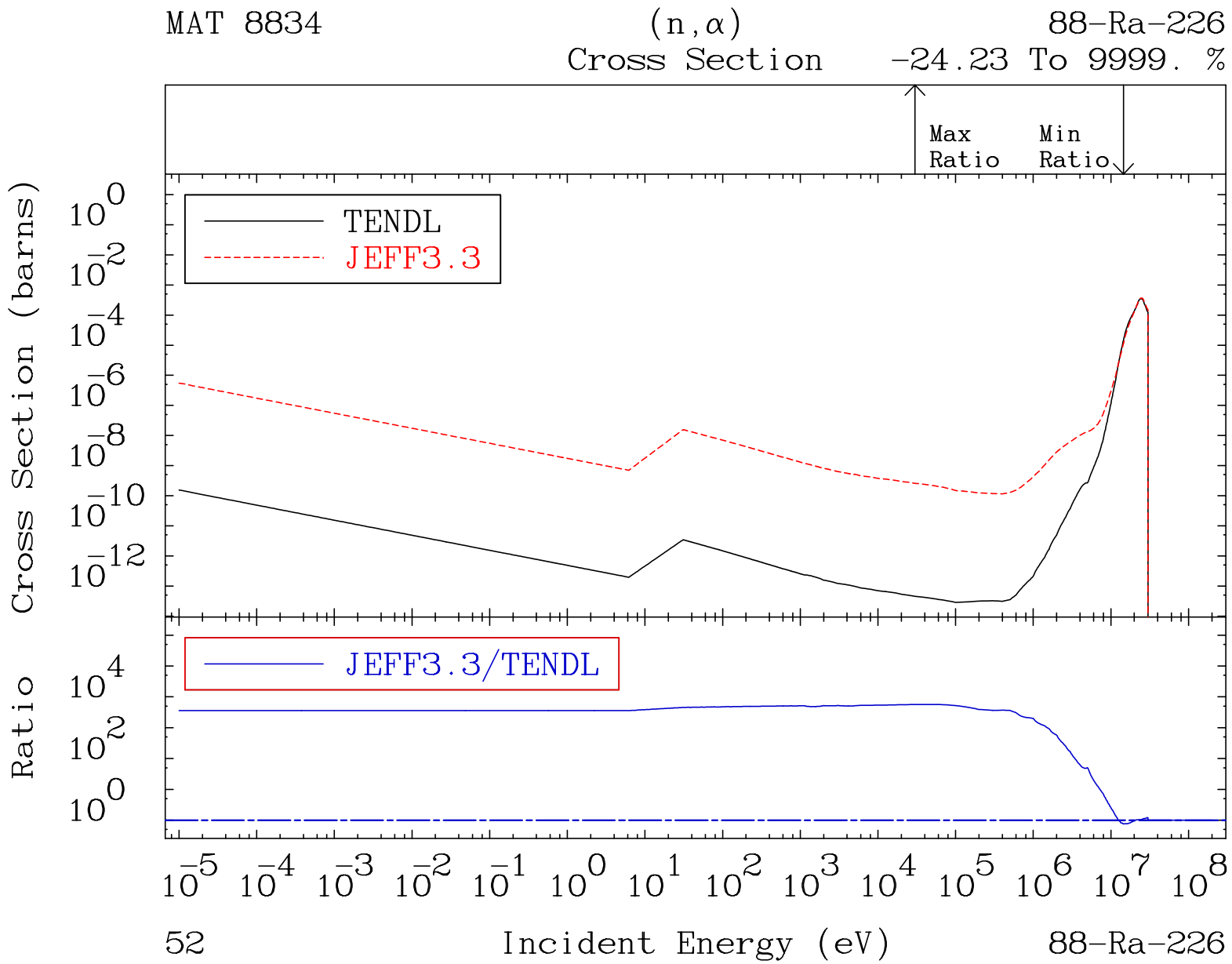

MAT 8834
(n,γ)
Cross Section
88-Ra-226
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47
88-Ra-226

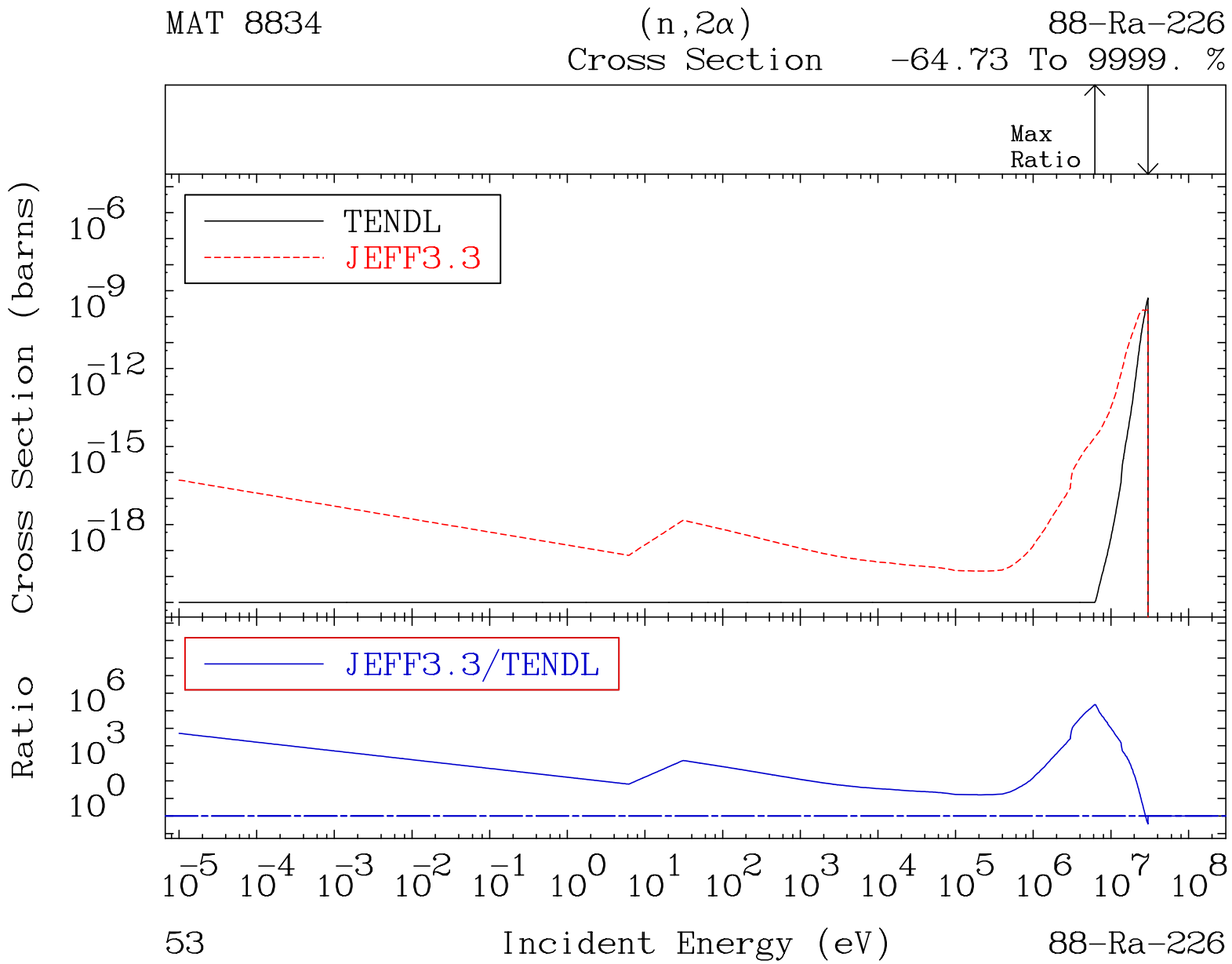

MAT 8834
(n,p)
88-Ra-226
Cross Section
-100.0 To 925.6 %
Min Ratio
Max Ratio
TENDL Threshold 3.0843 MeV
JEFF3.3 Threshold 3.1024 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
14
12
10
8
6
4
2
0
12
6
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
48
Incident Energy (eV)
88-Ra-226

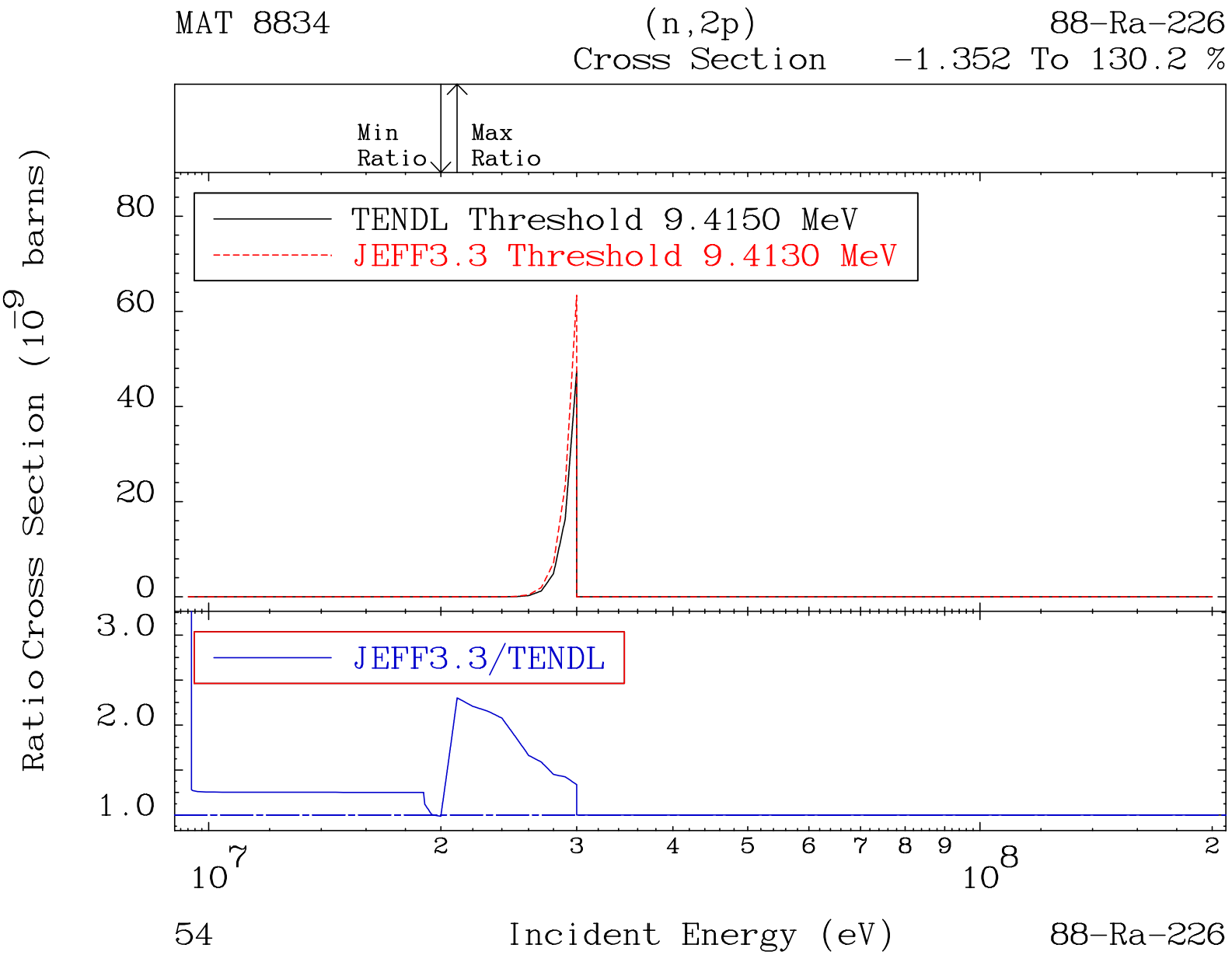

MAT 8834
(n,d)
Cross Section
88-Ra-226
-30.25 To 3.565 %
Min Ratio
Max Ratio
TENDL Threshold 5.2407 MeV
JEFF3.3 Threshold 5.2389 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
1.2
1.0
0.8
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
49
Incident Energy (eV)
88-Ra-226

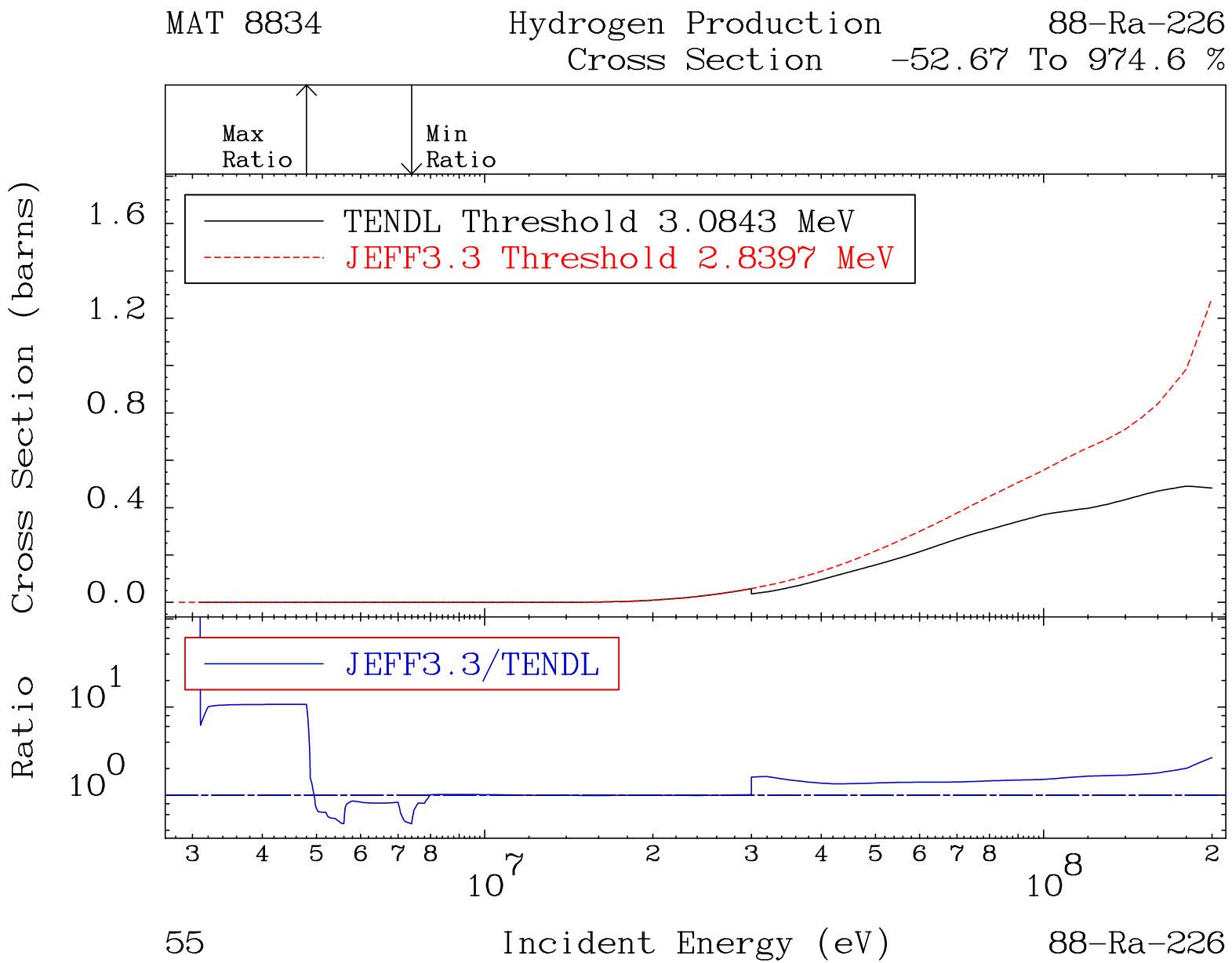

MAT 8834
(n,t)
Cross Section
88-Ra-226
-100.0 To 17.28 %
Min Ratio
Max Ratio
TENDL Threshold 4.9816 MeV
JEFF3.3 Threshold 5.0263 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.0
0.0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
50
Incident Energy (eV)
88-Ra-226

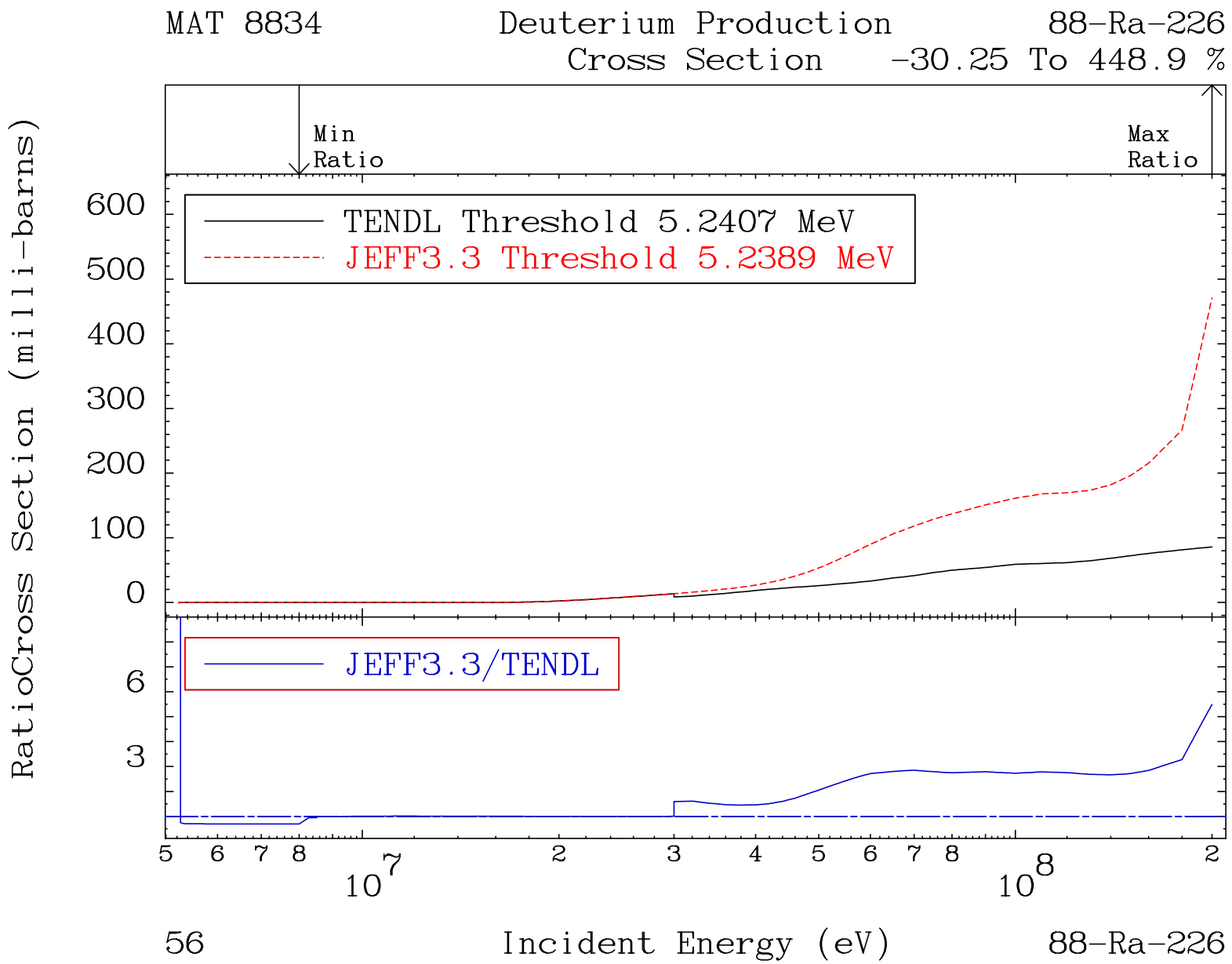

MAT 8834
(n,He-3)
Cross Section
88-Ra-226
-80.19 To 338.1 %
Min Ratio
Max Ratio
TENDL Threshold 5.6626 MeV
JEFF3.3 Threshold 5.6606 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
51
88-Ra-226

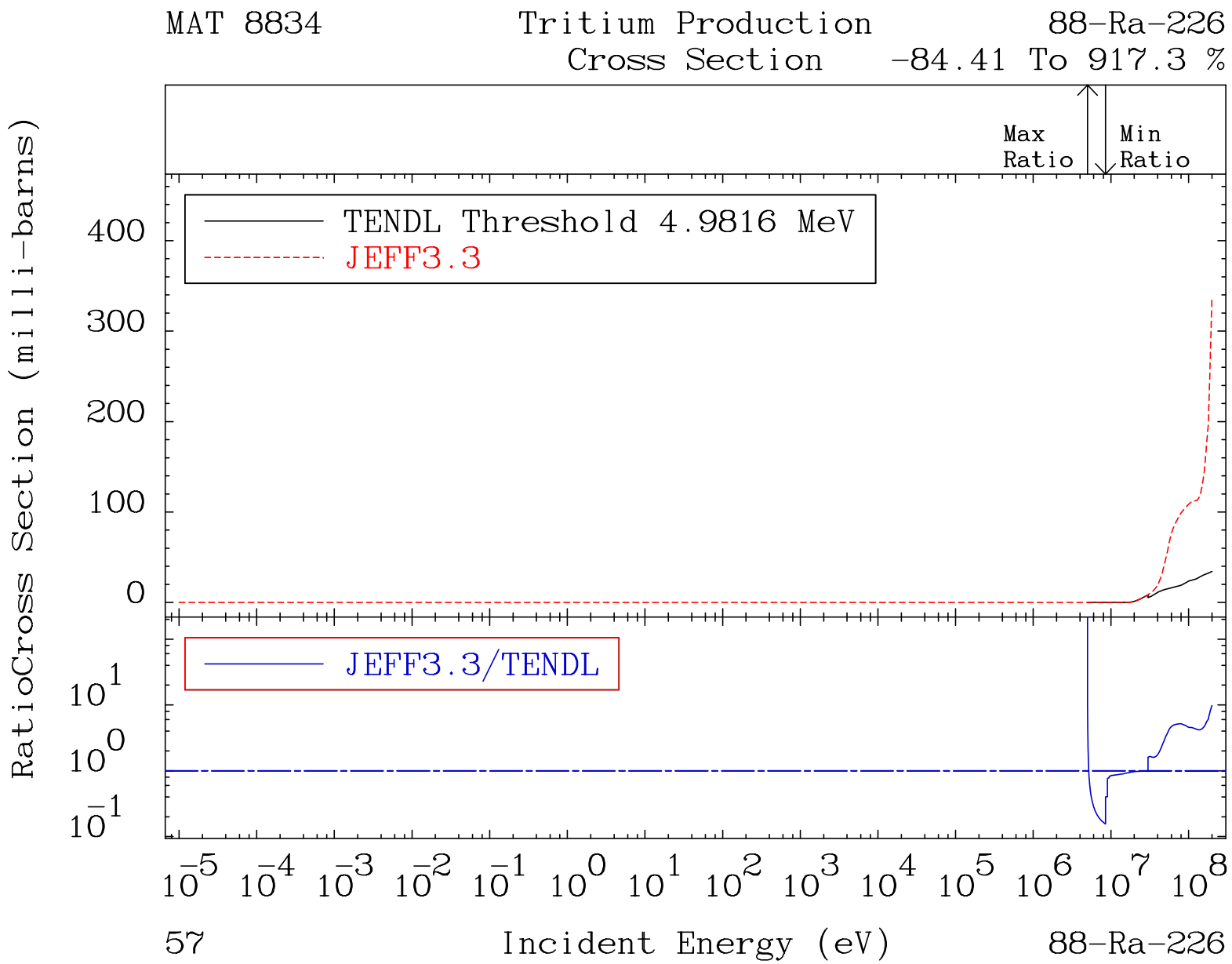

MAT 8834
(n,α)
Cross Section
88-Ra-226
-24.23 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
88-Ra-226

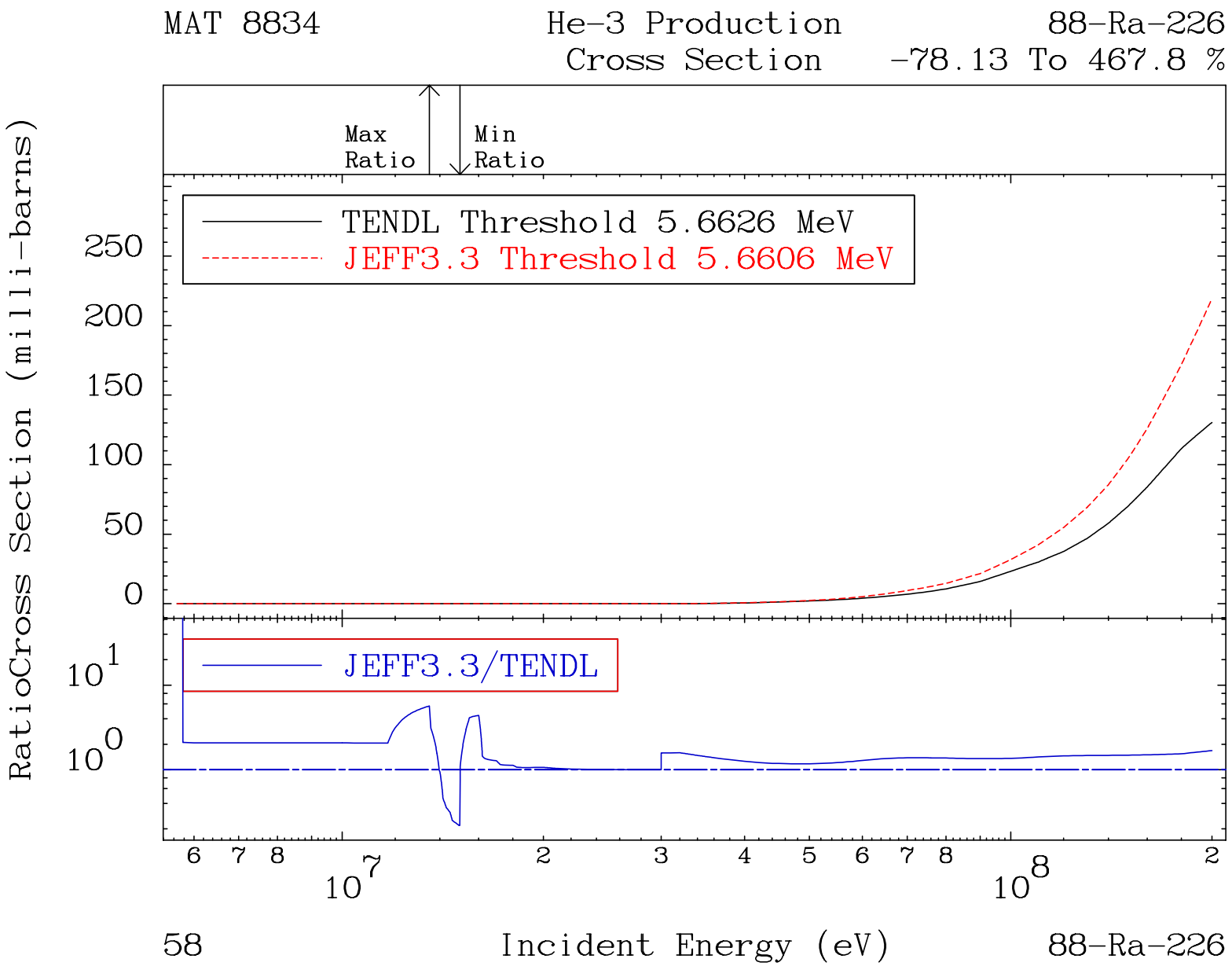

MAT 8834
(n,2α)
88-Ra-226
Cross Section
-64.73 To 9999. %
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
88-Ra-226

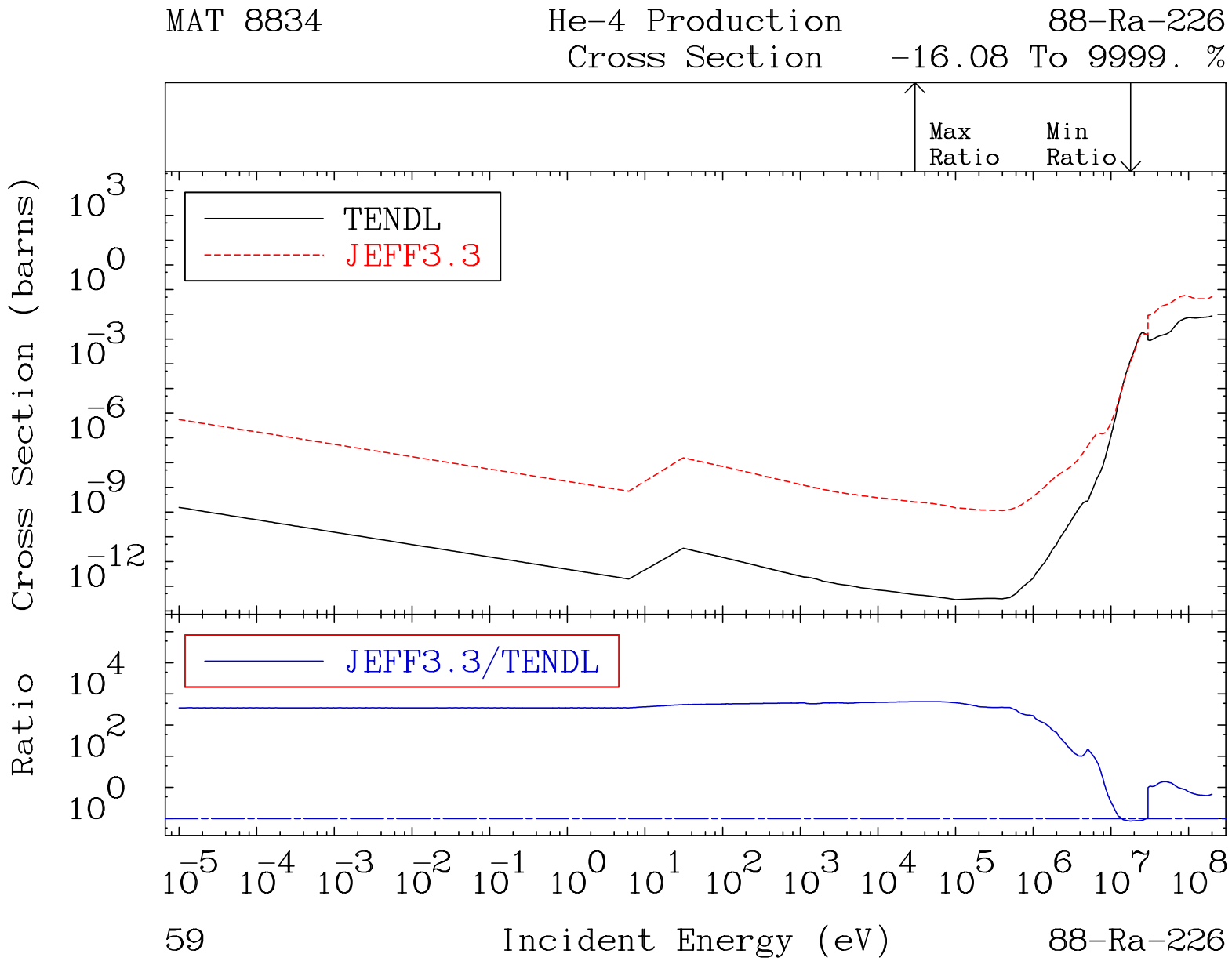

MAT 8834
(n,2p)
88-Ra-226
Cross Section
-1.352 To 130.2 %
Min Ratio
Max Ratio
TENDL Threshold 9.4150 MeV
JEFF3.3 Threshold 9.4130 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
80
60
40
20
0
3.0
2.0
1.0
10^7
2
3
4
5
6
7
8
9
10^8
2
54
Incident Energy (eV)
88-Ra-226

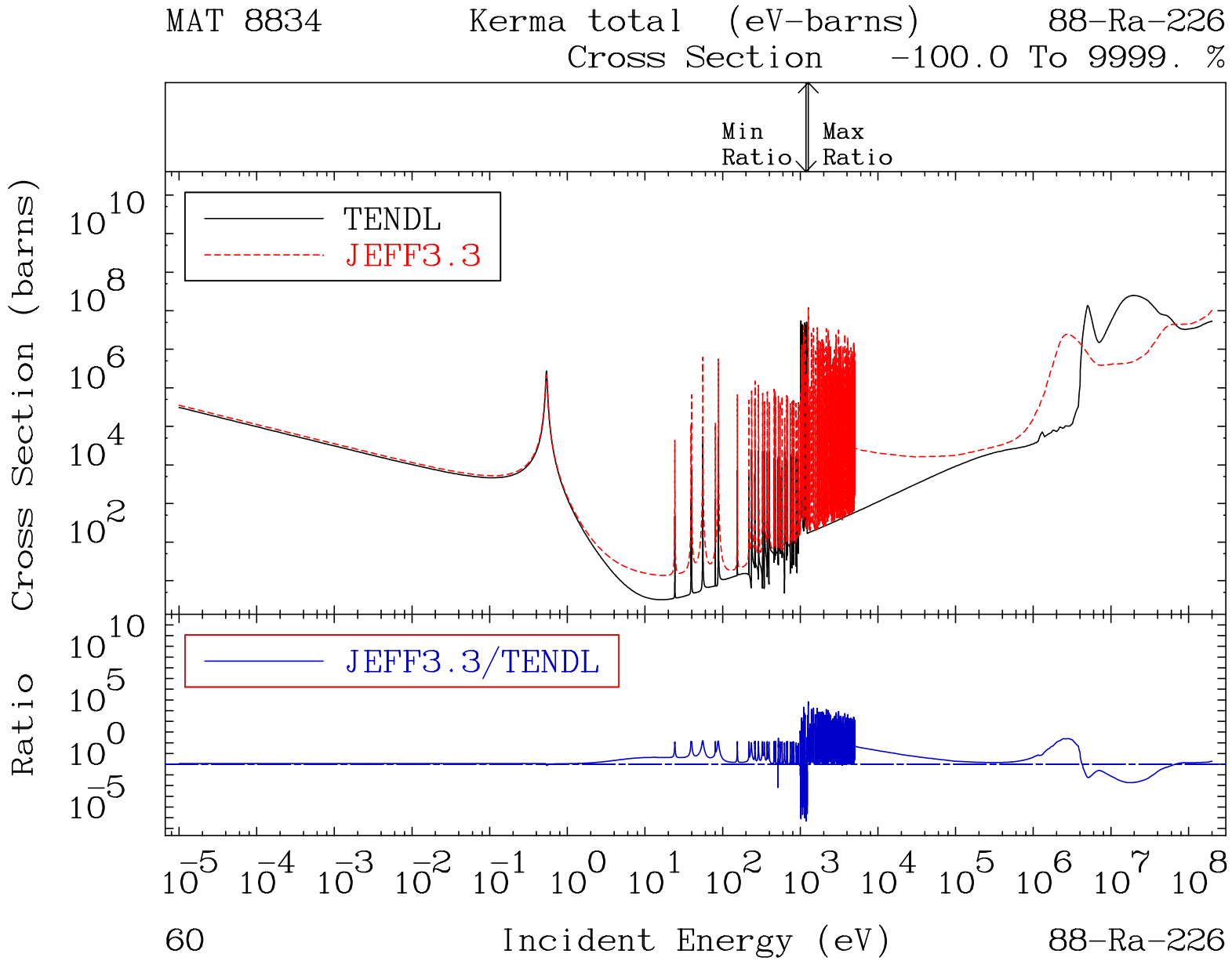

MAT 8834
Hydrogen Production
88-Ra-226
Cross Section
-52.67 To 974.6 %
Max Ratio
Min Ratio
TENDL Threshold 3.0843 MeV
JEFF3.3 Threshold 2.8397 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
10^1
10^0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
55
88-Ra-226

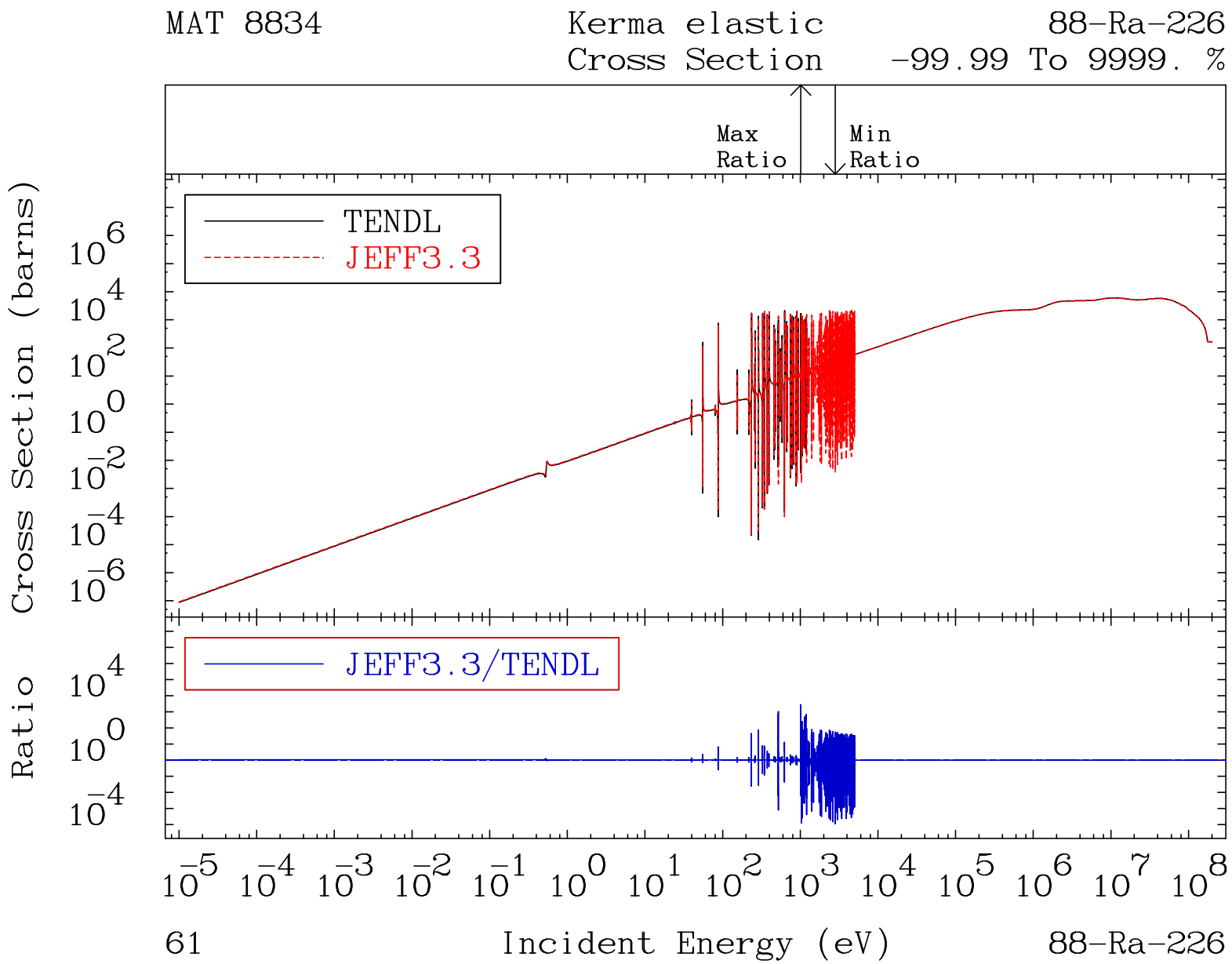

MAT 8834
Deuterium Production
88-Ra-226
Cross Section
-30.25 To 448.9 %
Min Ratio
Max Ratio
TENDL Threshold 5.2407 MeV
JEFF3.3 Threshold 5.2389 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
6
3
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
56
Incident Energy (eV)
88-Ra-226

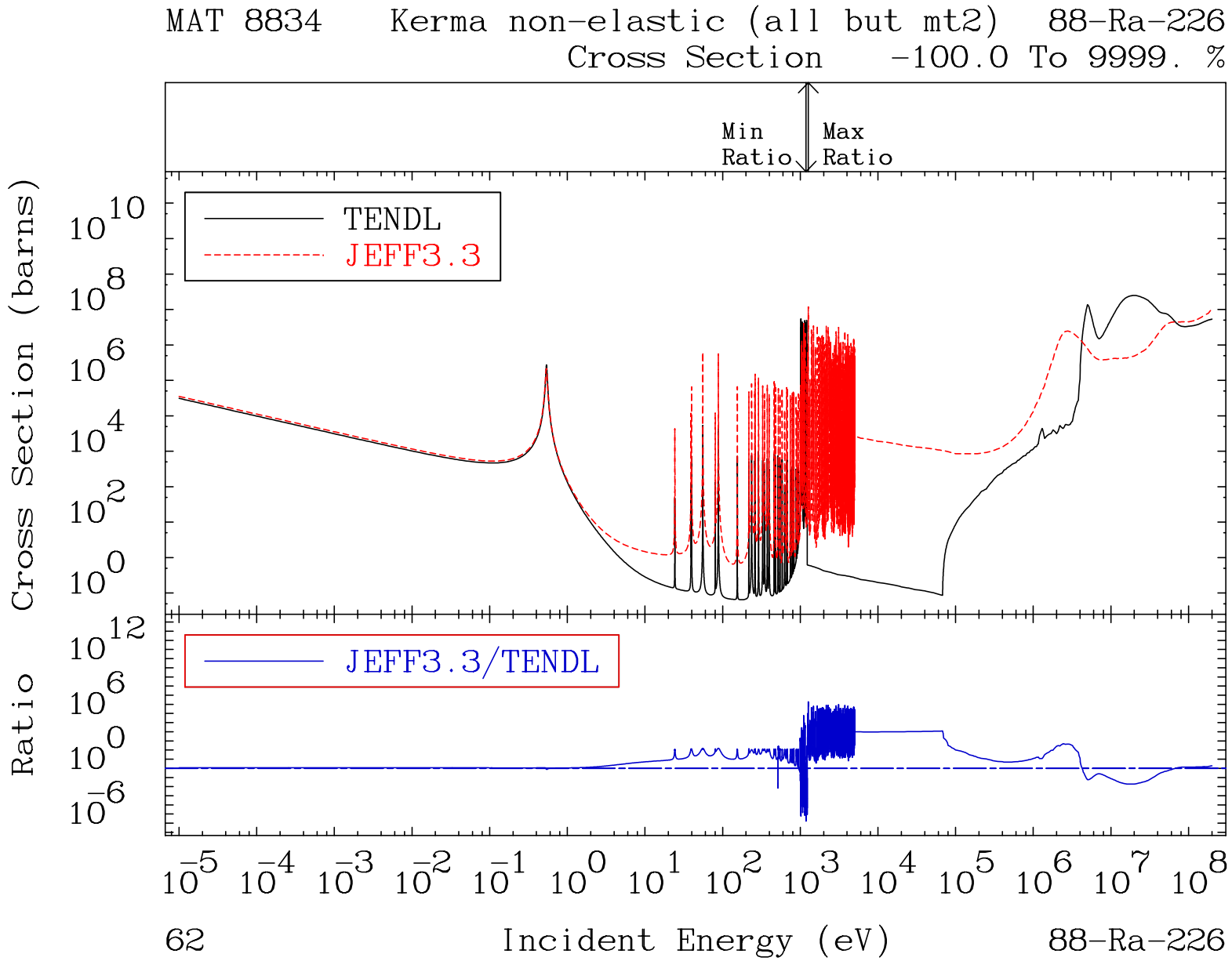

MAT 8834
Tritium Production
Cross Section
88-Ra-226
-84.41 To 917.3 %
Max Ratio
Min Ratio
TENDL Threshold 4.9816 MeV
JEFF3.3
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
10^1
10^0
10^-1
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
57
Incident Energy (eV)
88-Ra-226

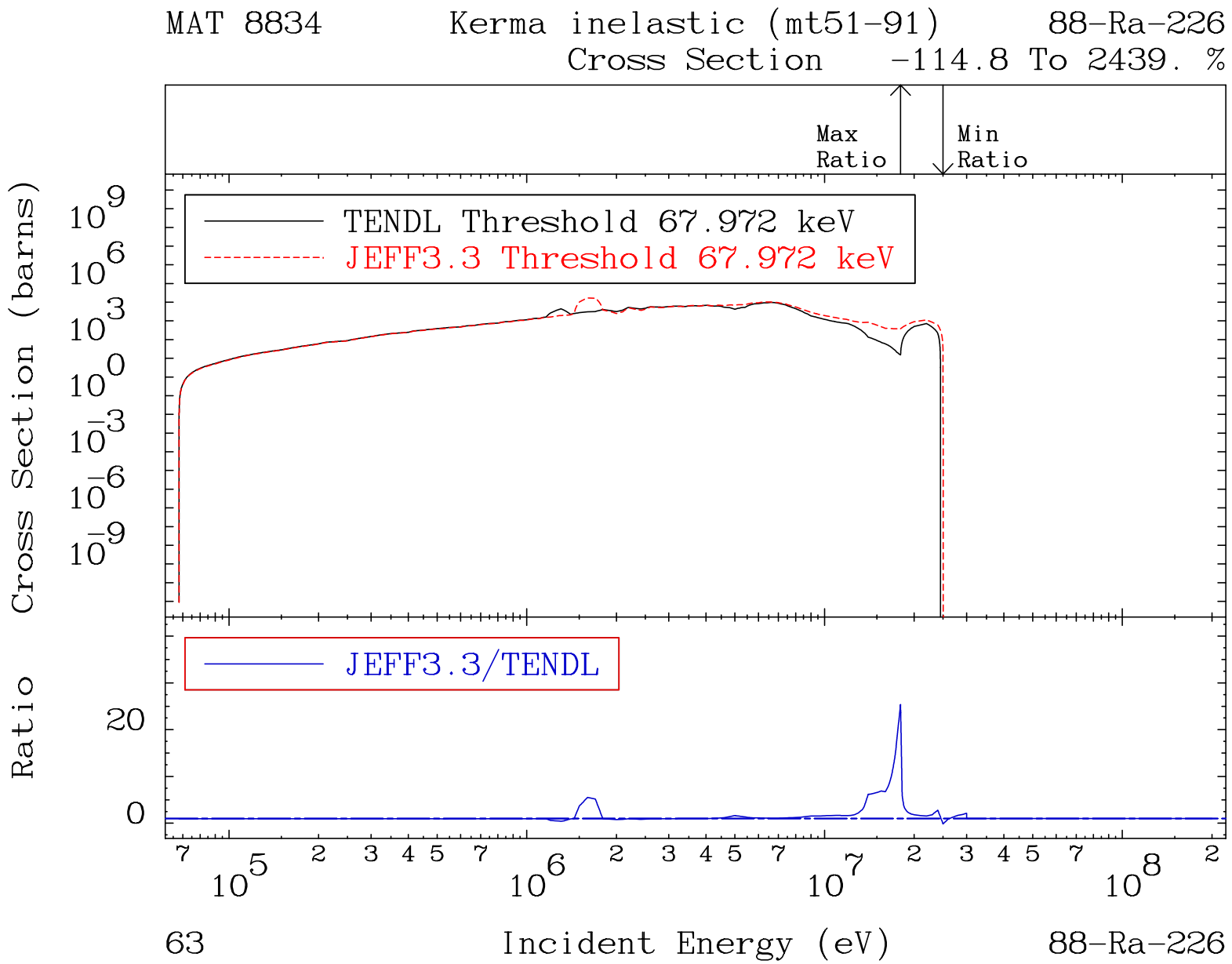

MAT 8834
He-3 Production
Cross Section
88-Ra-226
-78.13 To 467.8 %
Max Ratio
Min Ratio
TENDL Threshold 5.6626 MeV
JEFF3.3 Threshold 5.6606 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
10^1
10^0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
58
Incident Energy (eV)
88-Ra-226

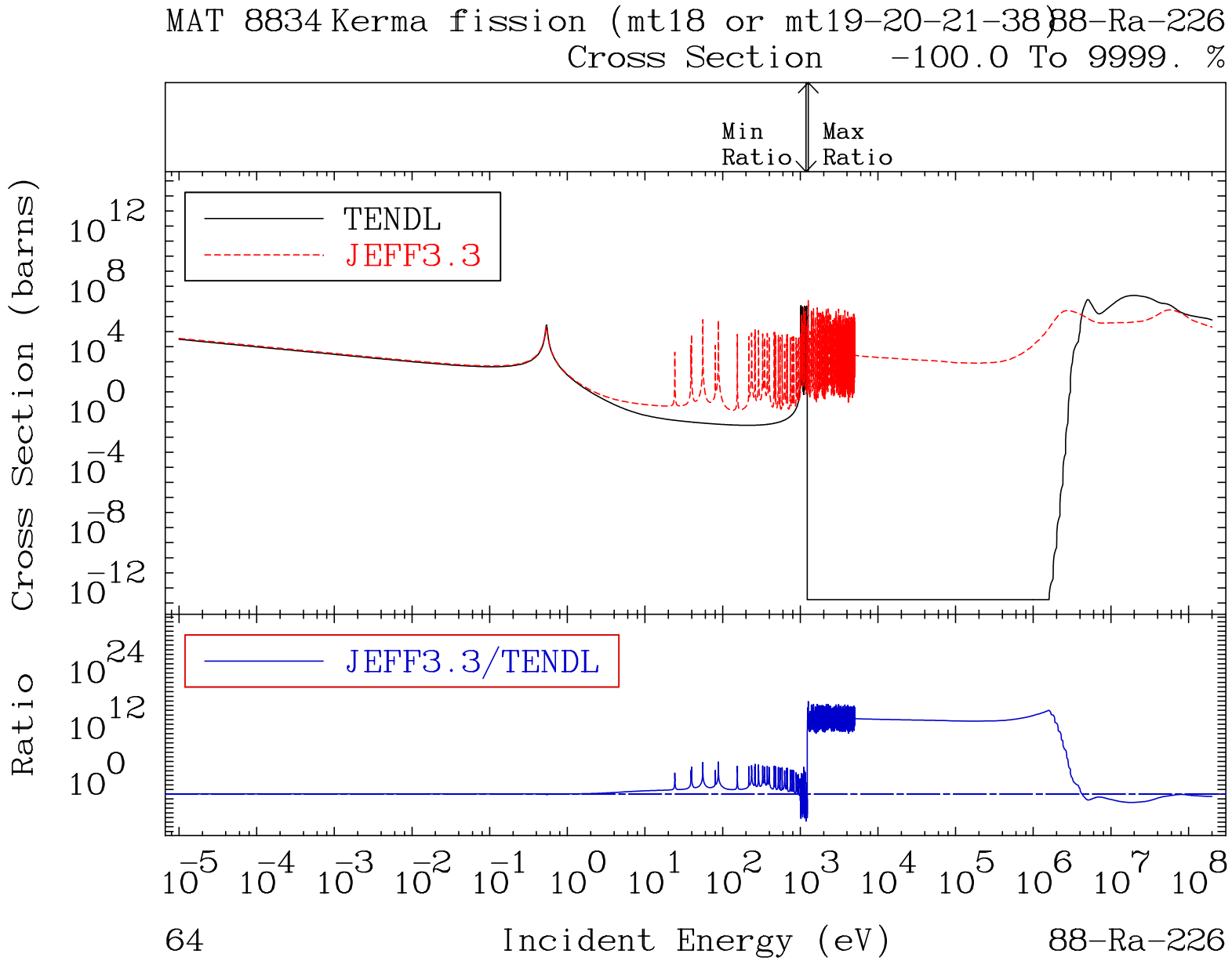

MAT 8834
He-4 Production
Cross Section
88-Ra-226
-16.08 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
88-Ra-226

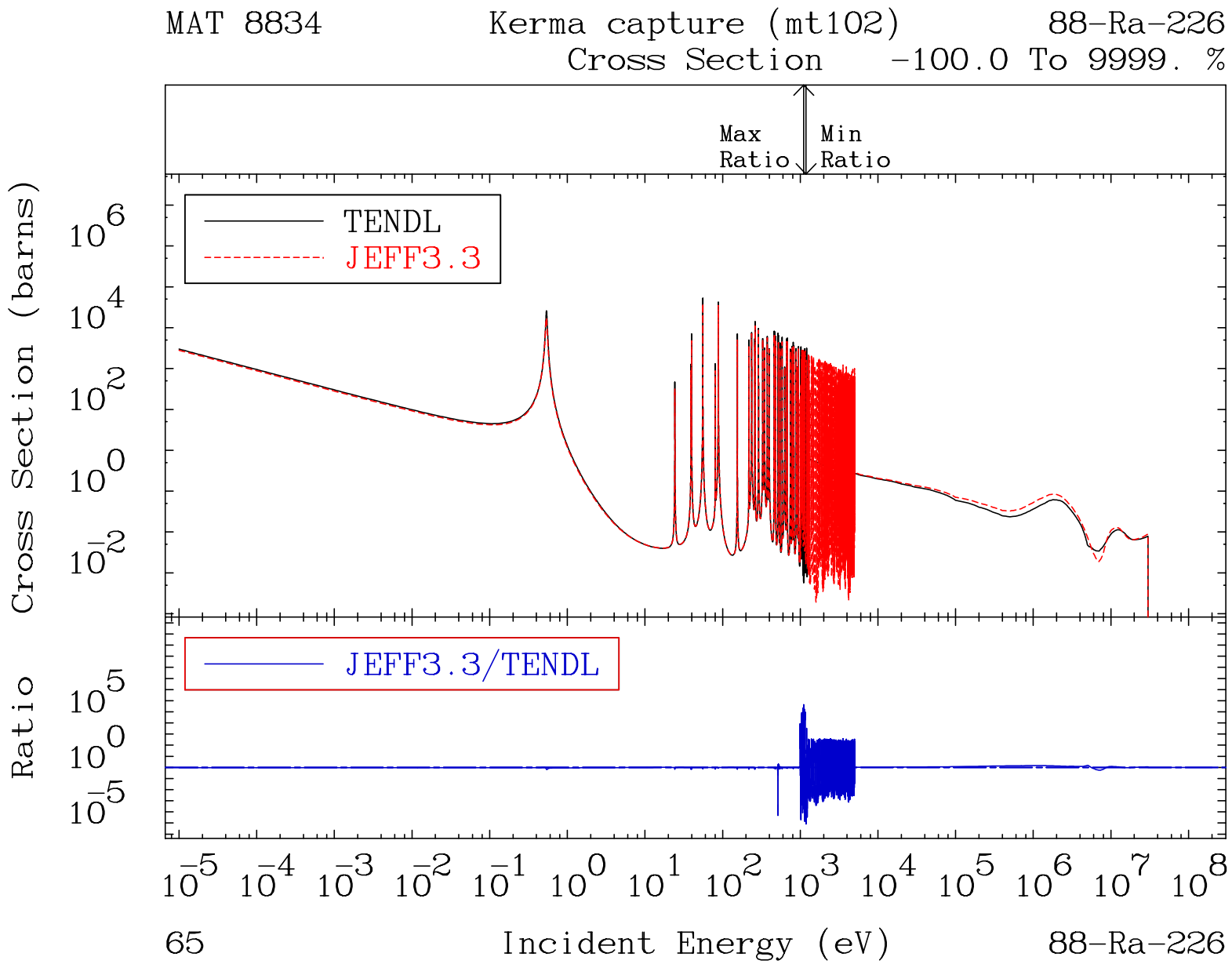

MAT 8834
Kerma total (eV-barns)
88-Ra-226
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
88-Ra-226

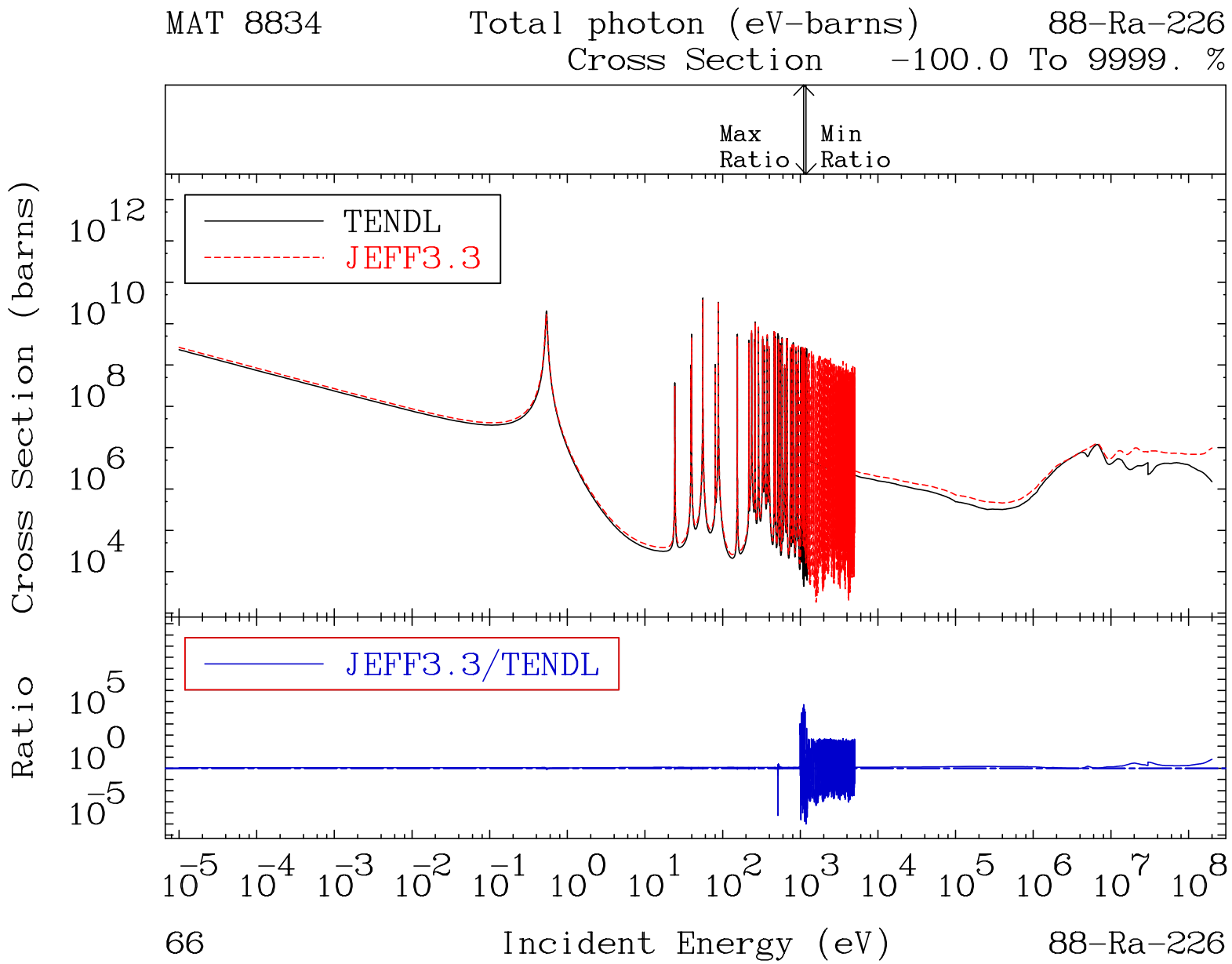

MAT 8834
Kerma elastic
Cross Section
88-Ra-226
-99.99 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
88-Ra-226

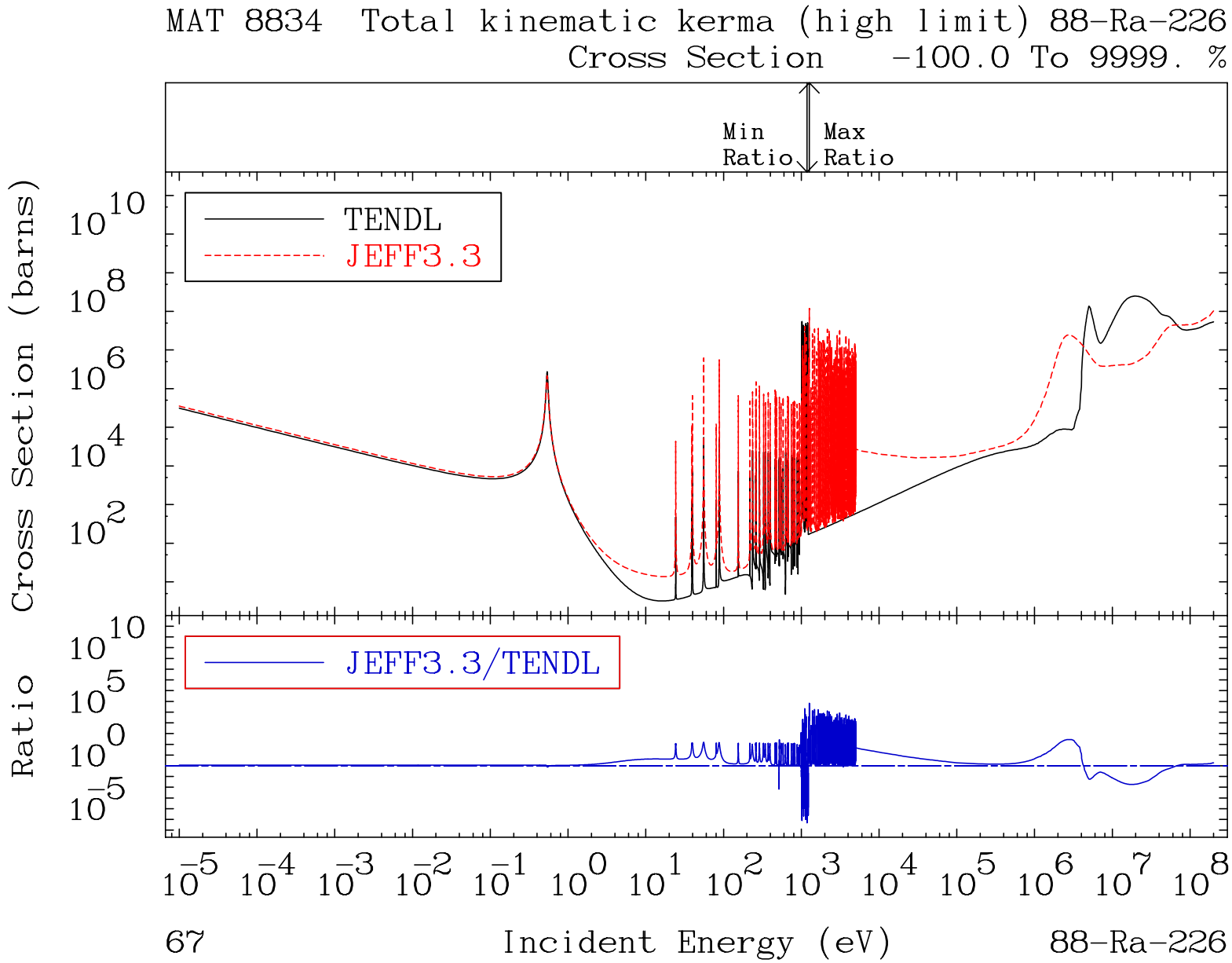

MAT 8834 Kerma non-elastic (all but mt2) 88-Ra-226
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
88-Ra-226

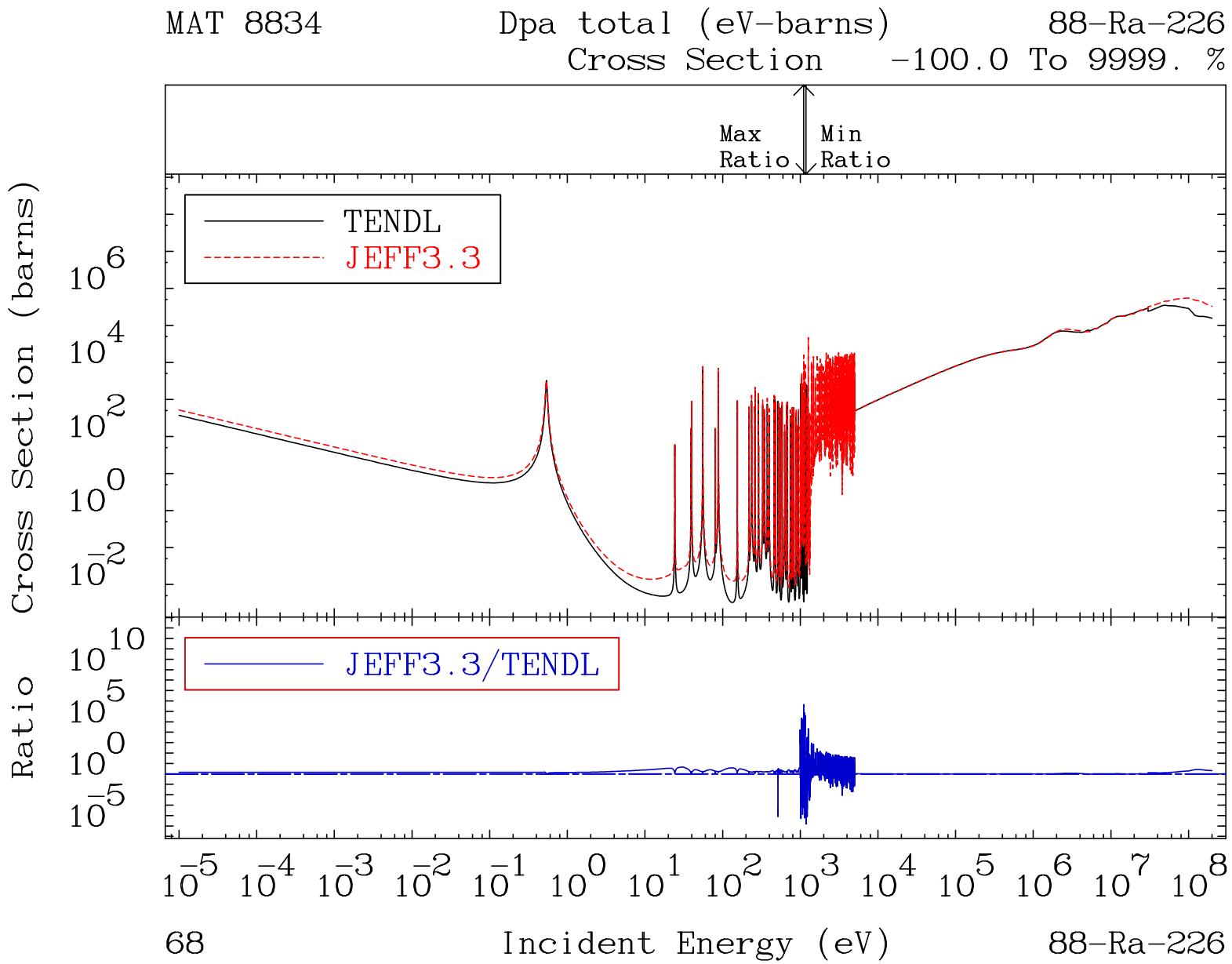

MAT 8834
Kerma inelastic (mt51-91)
88-Ra-226
Cross Section -114.8 To 2439. %
Max Ratio
Min Ratio
TENDL Threshold 67.972 keV
JEFF3.3 Threshold 67.972 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
63
88-Ra-226

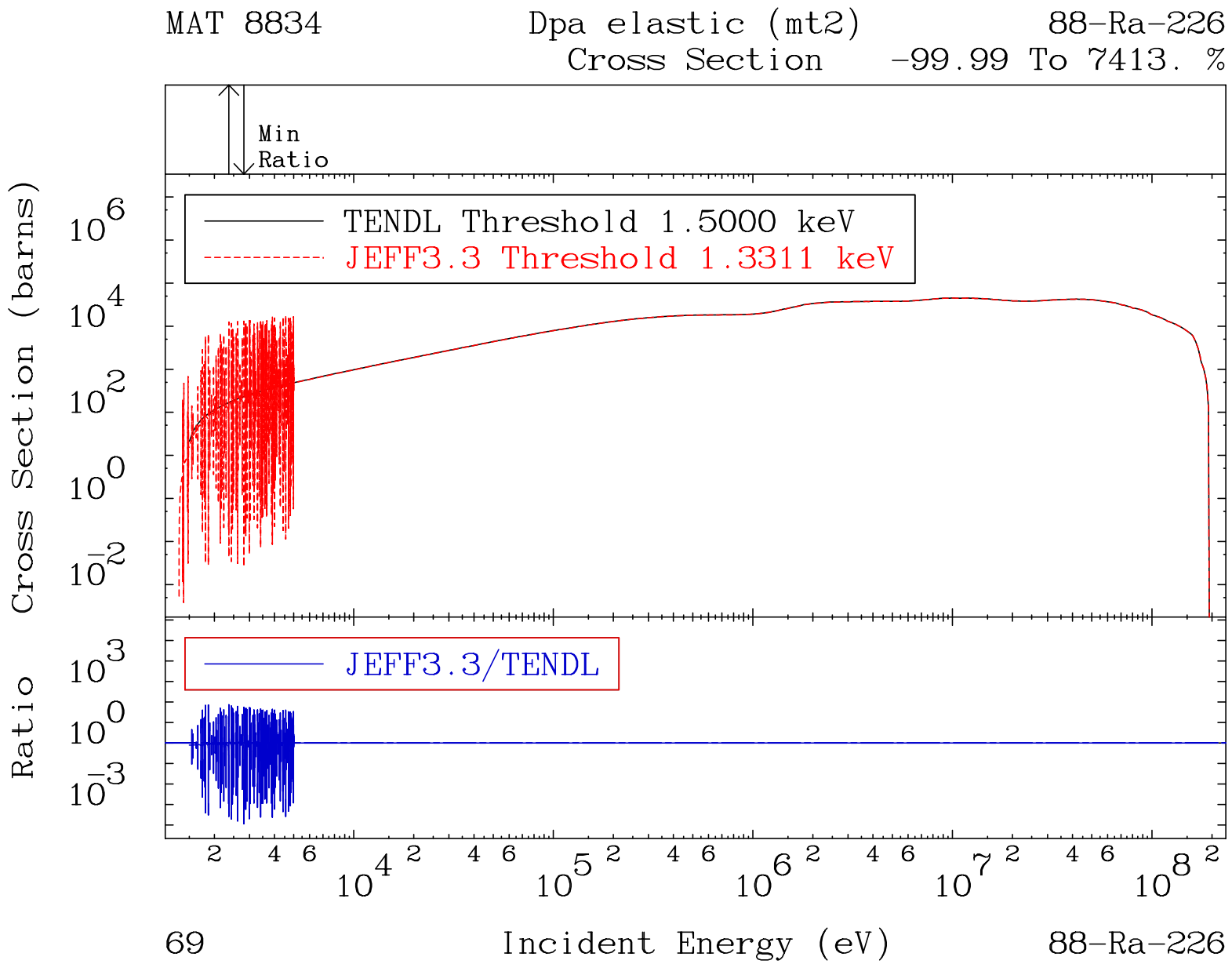

MAT 8834 Kerma fission (mt18 or mt19-20-21-38) 88-Ra-226
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
88-Ra-226

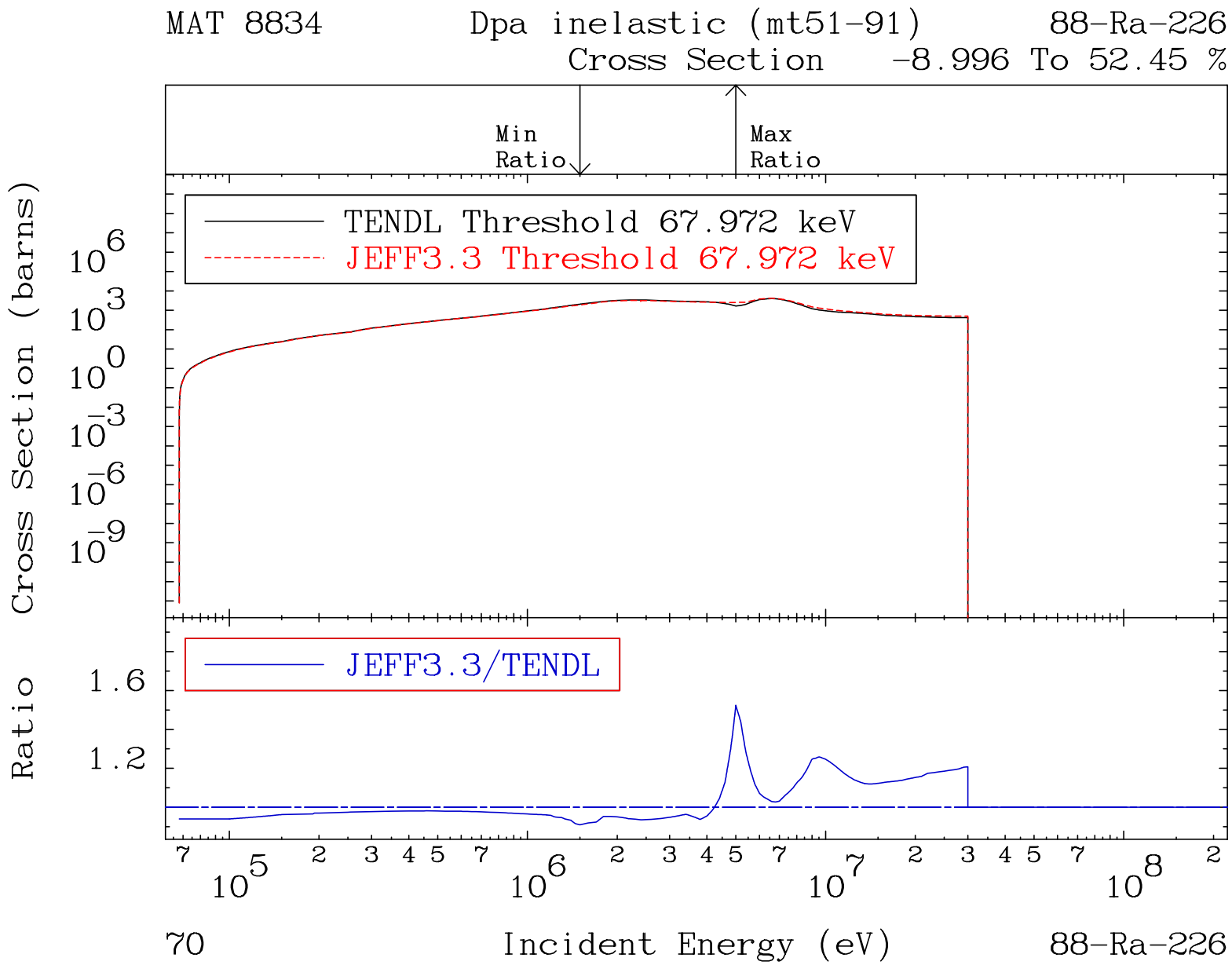

MAT 8834
Kerma capture (mt102)
88-Ra-226
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
65
88-Ra-226

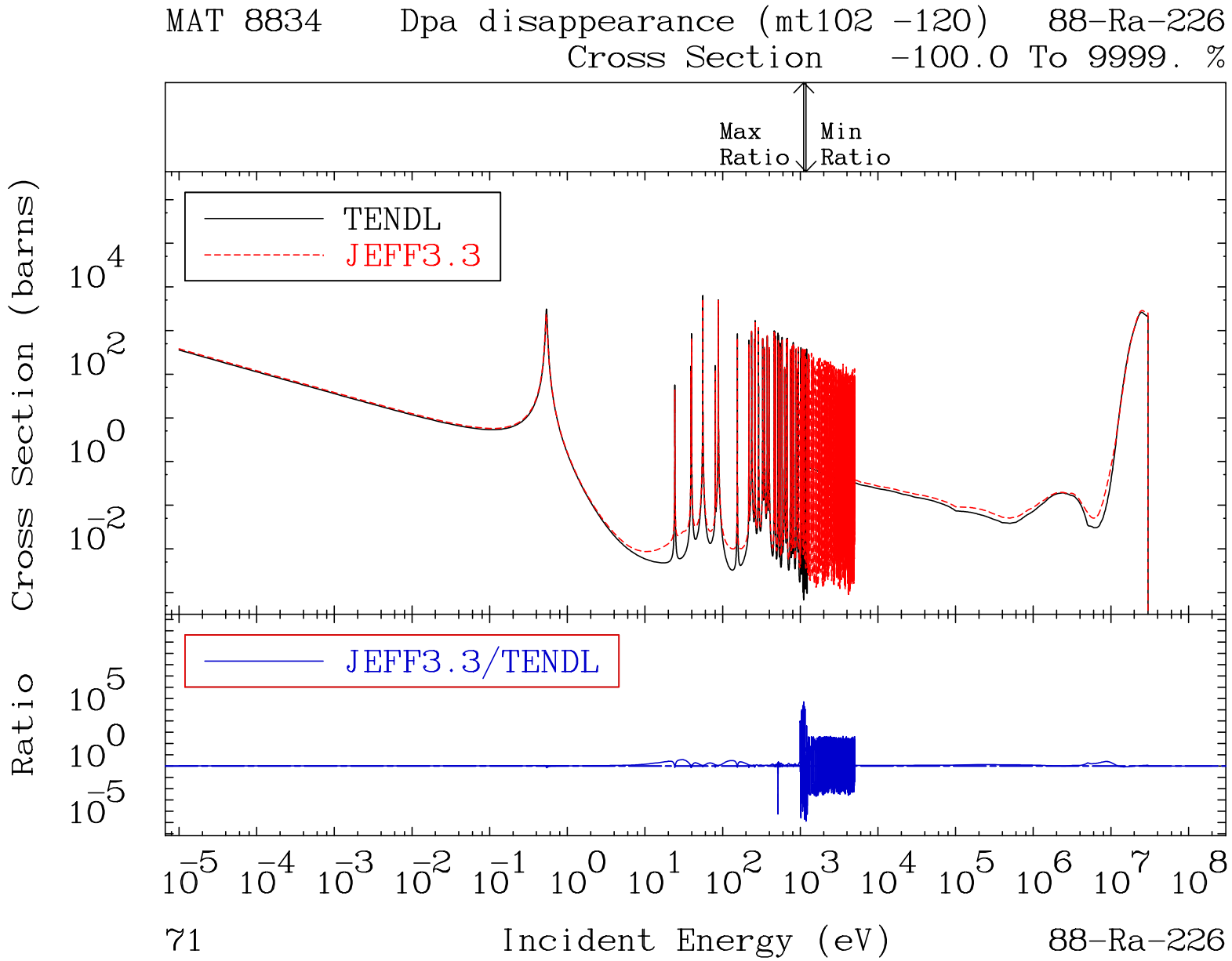

MAT 8834
Total photon (eV-barns)
88-Ra-226
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
66
88-Ra-226


MAT 8834 Total kinematic kerma (high limit) 88-Ra-226
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
67
88-Ra-226


MAT 8834
Dpa total (eV-barns)
88-Ra-226
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
68
88-Ra-226


MAT 8834
Dpa elastic (mt2)
Cross Section
88-Ra-226
-99.99 To 7413. %
Min
Ratio
TENDL Threshold 1.5000 keV
JEFF3.3 Threshold 1.3311 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
69
88-Ra-226


MAT 8834
Dpa inelastic (mt51-91)
88-Ra-226
Cross Section
-8.996 To 52.45 %
Min Ratio
Max Ratio
TENDL Threshold 67.972 keV
JEFF3.3 Threshold 67.972 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
70
88-Ra-226


MAT 8834 Dpa disappearance (mt102 -120) 88-Ra-226
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
71
88-Ra-226