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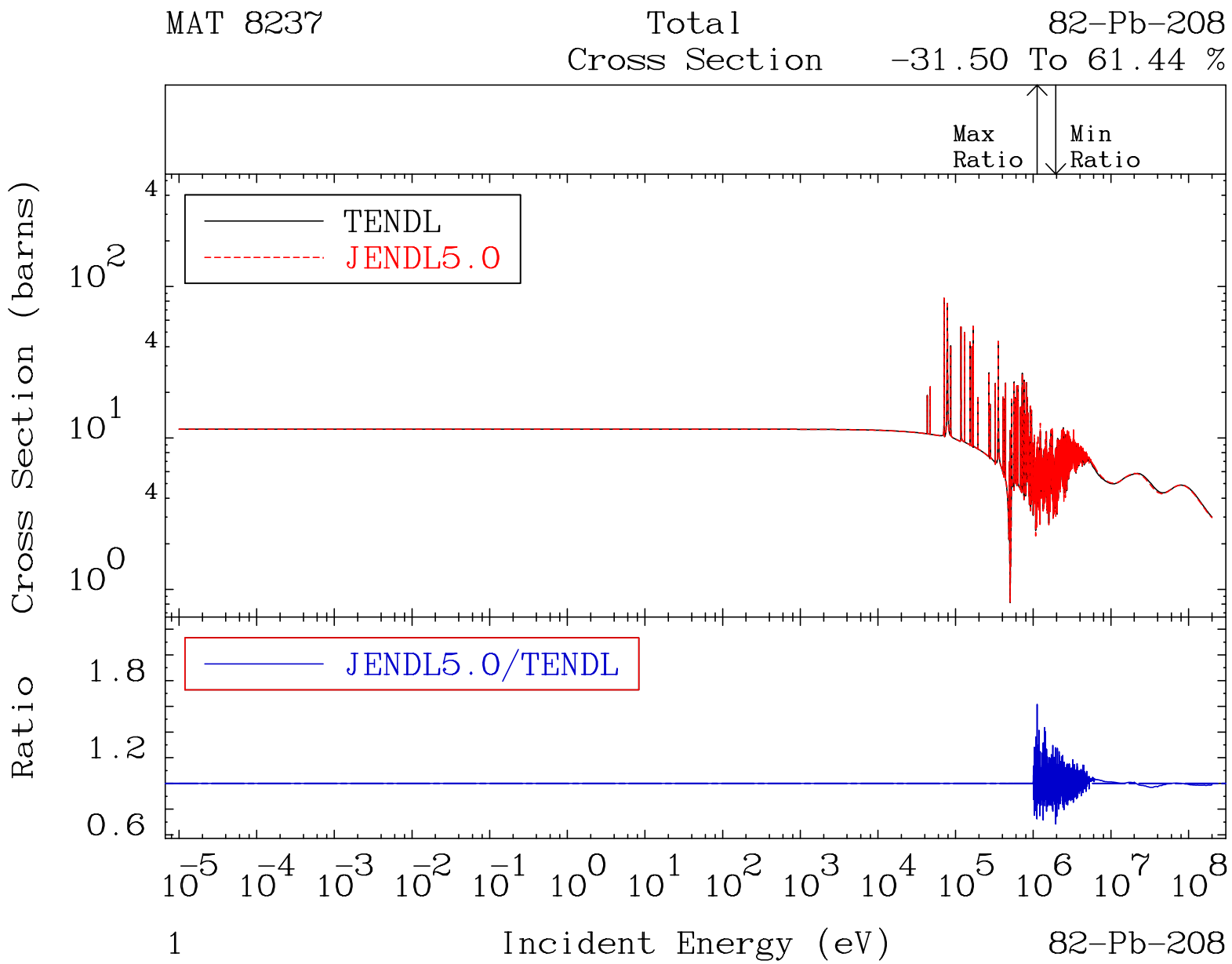
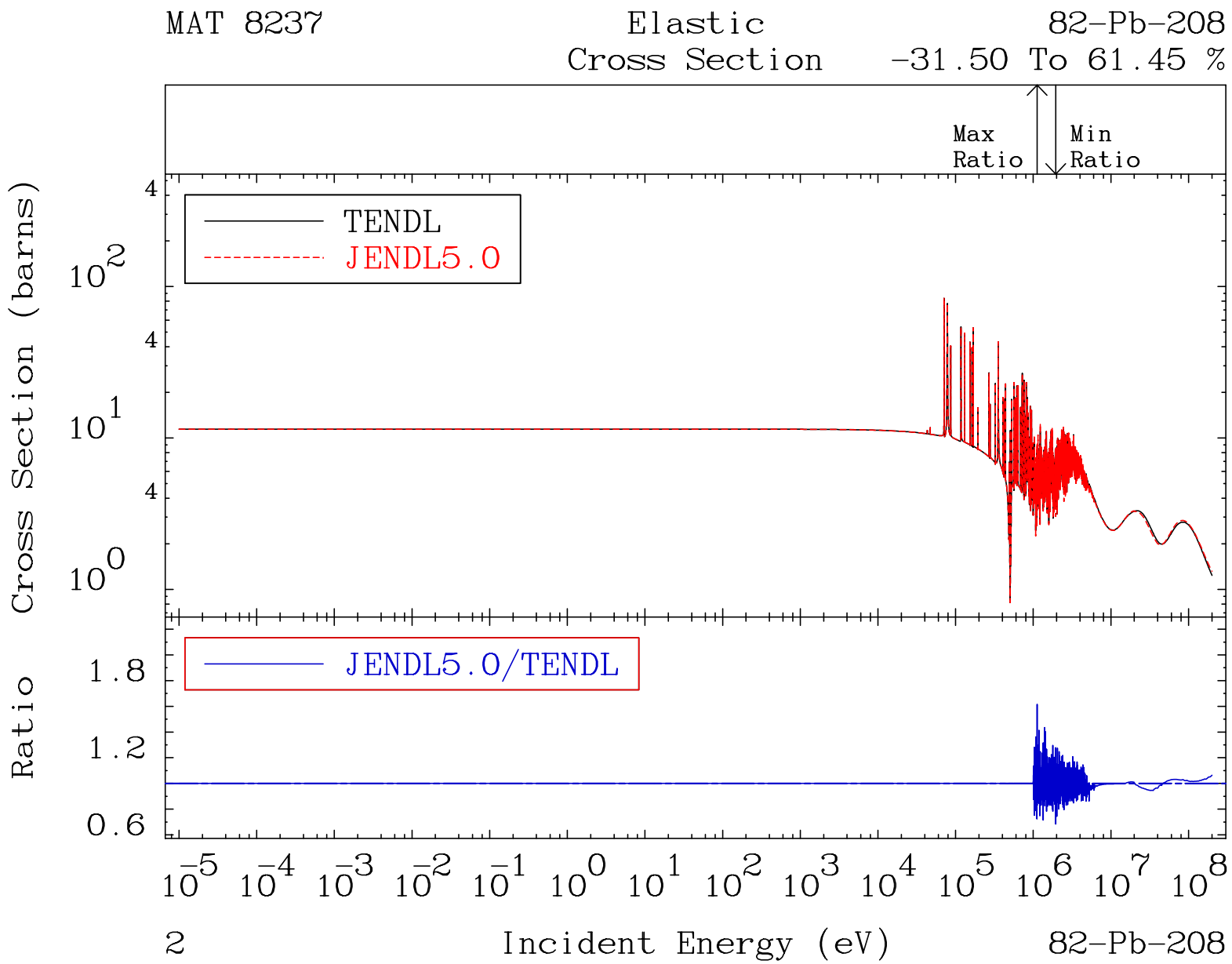
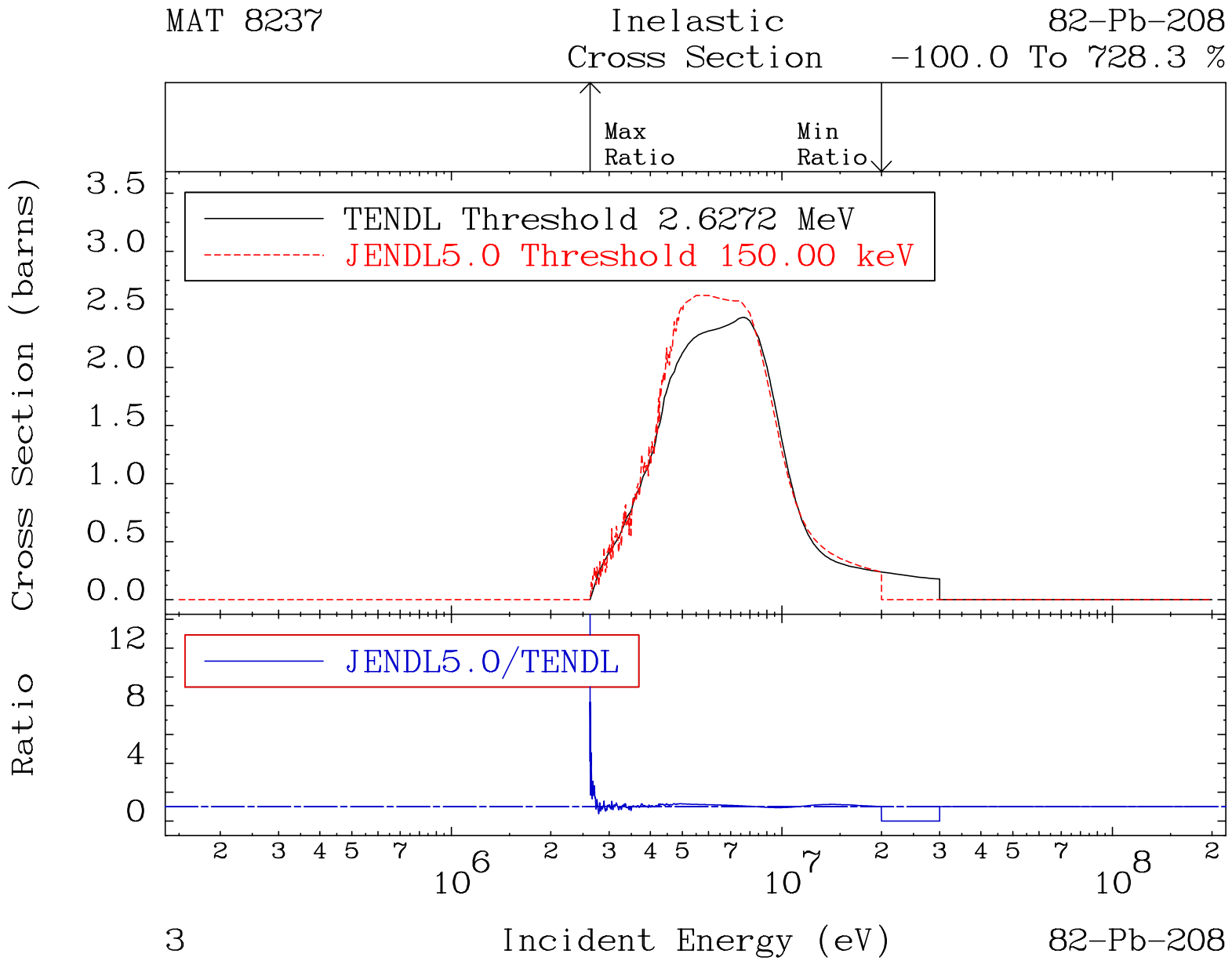
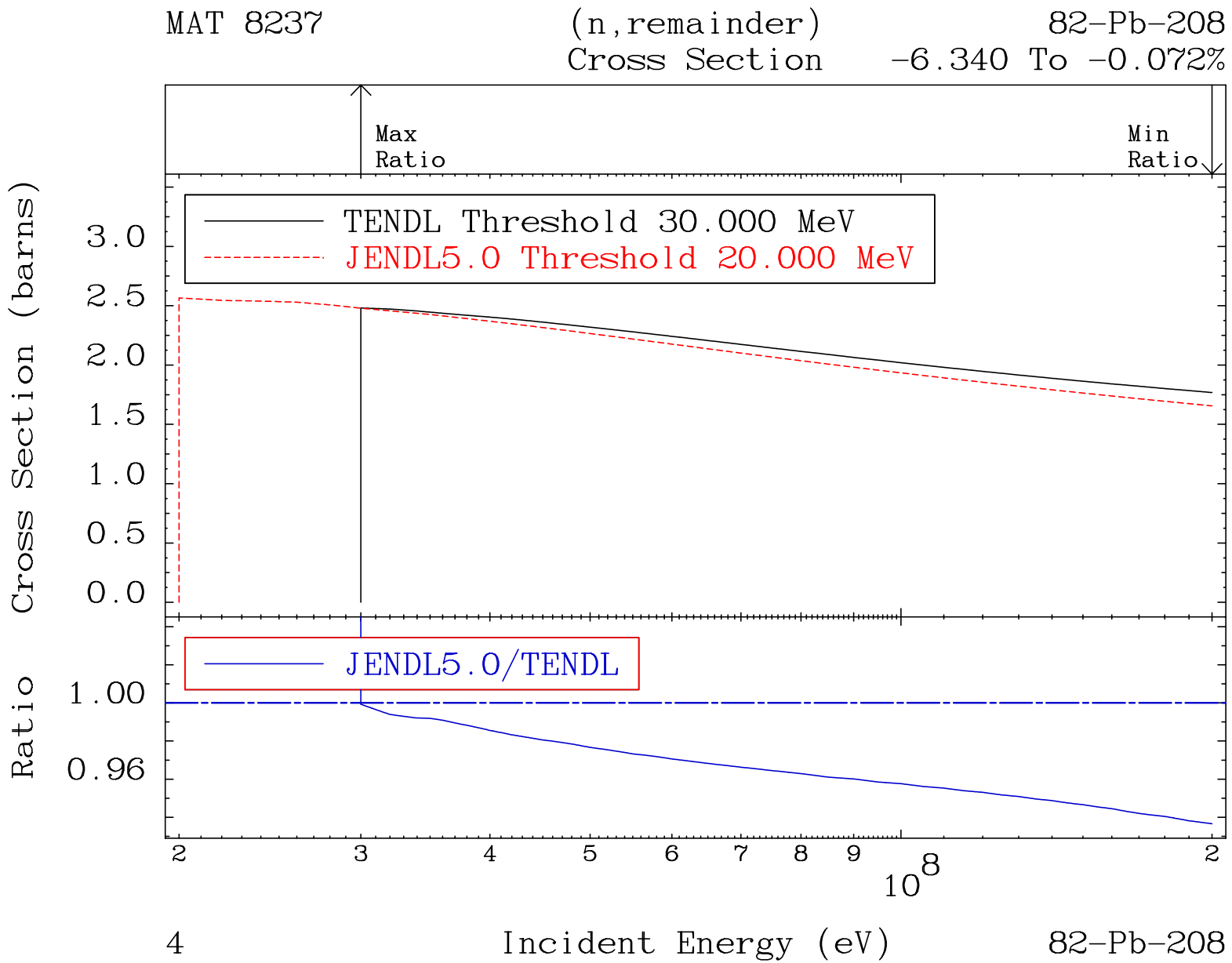
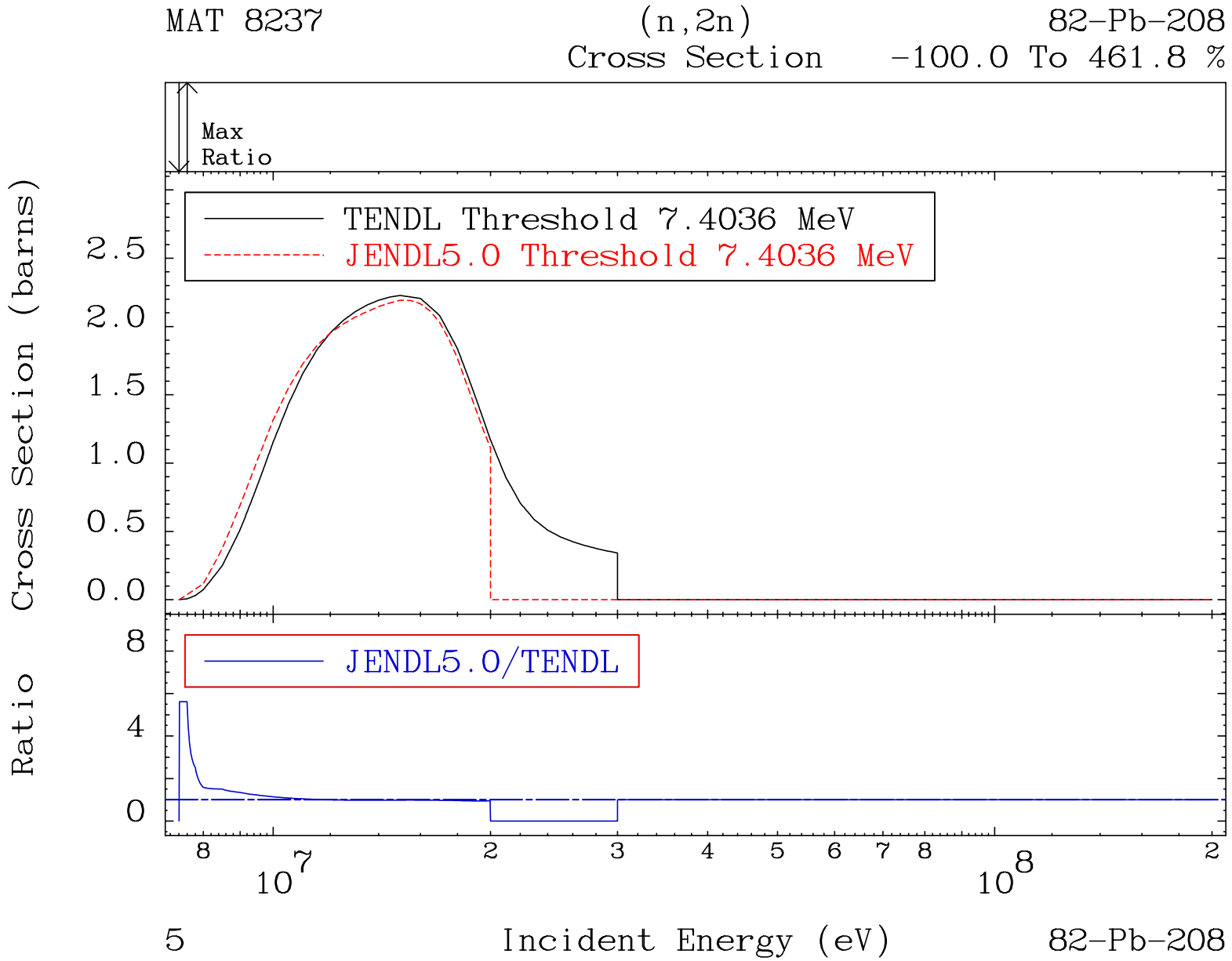
Press Mouse Button to Start

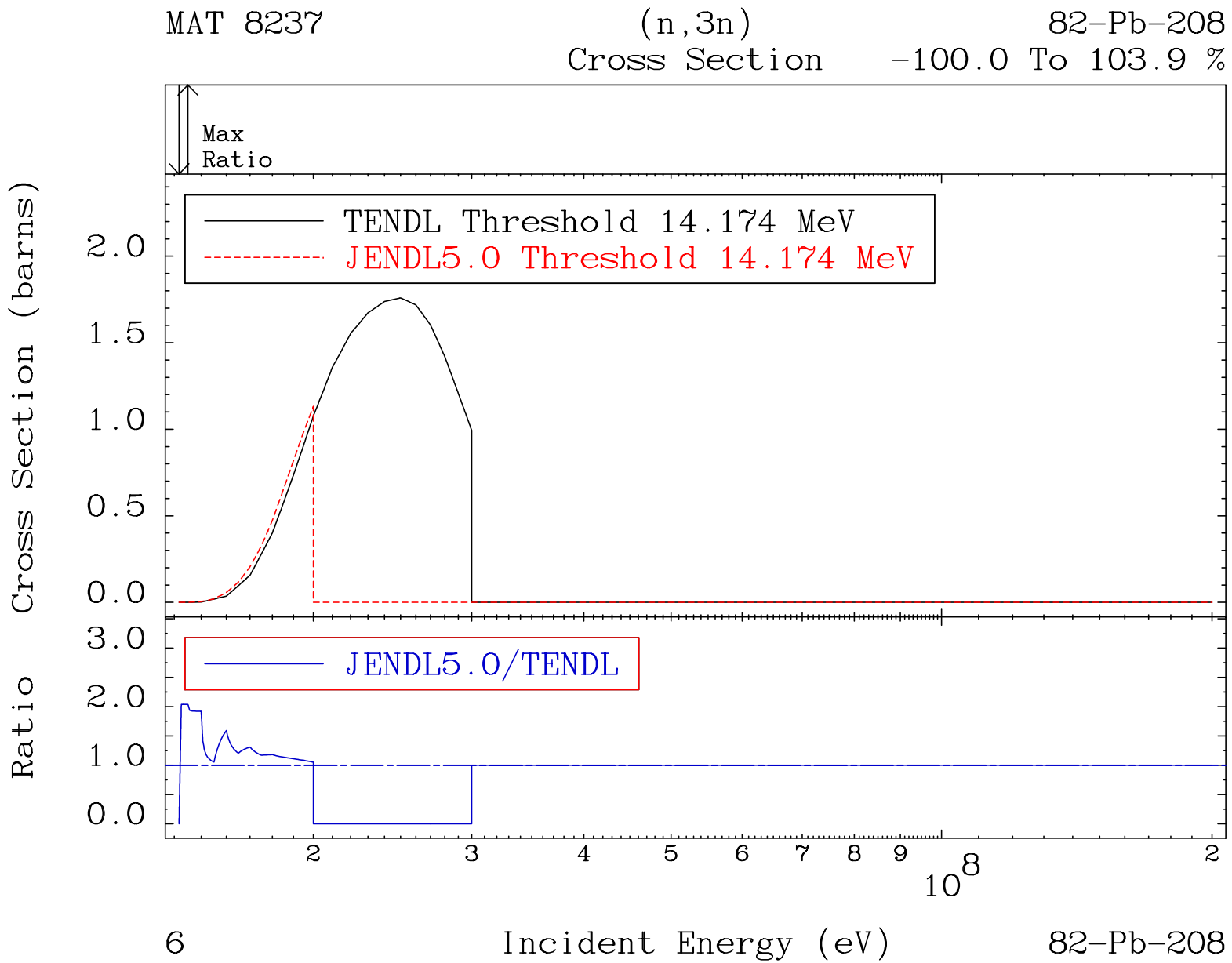

MAT 8237
Total
Cross Section
82-Pb-208
-31.50 To 61.44 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
82-Pb-208

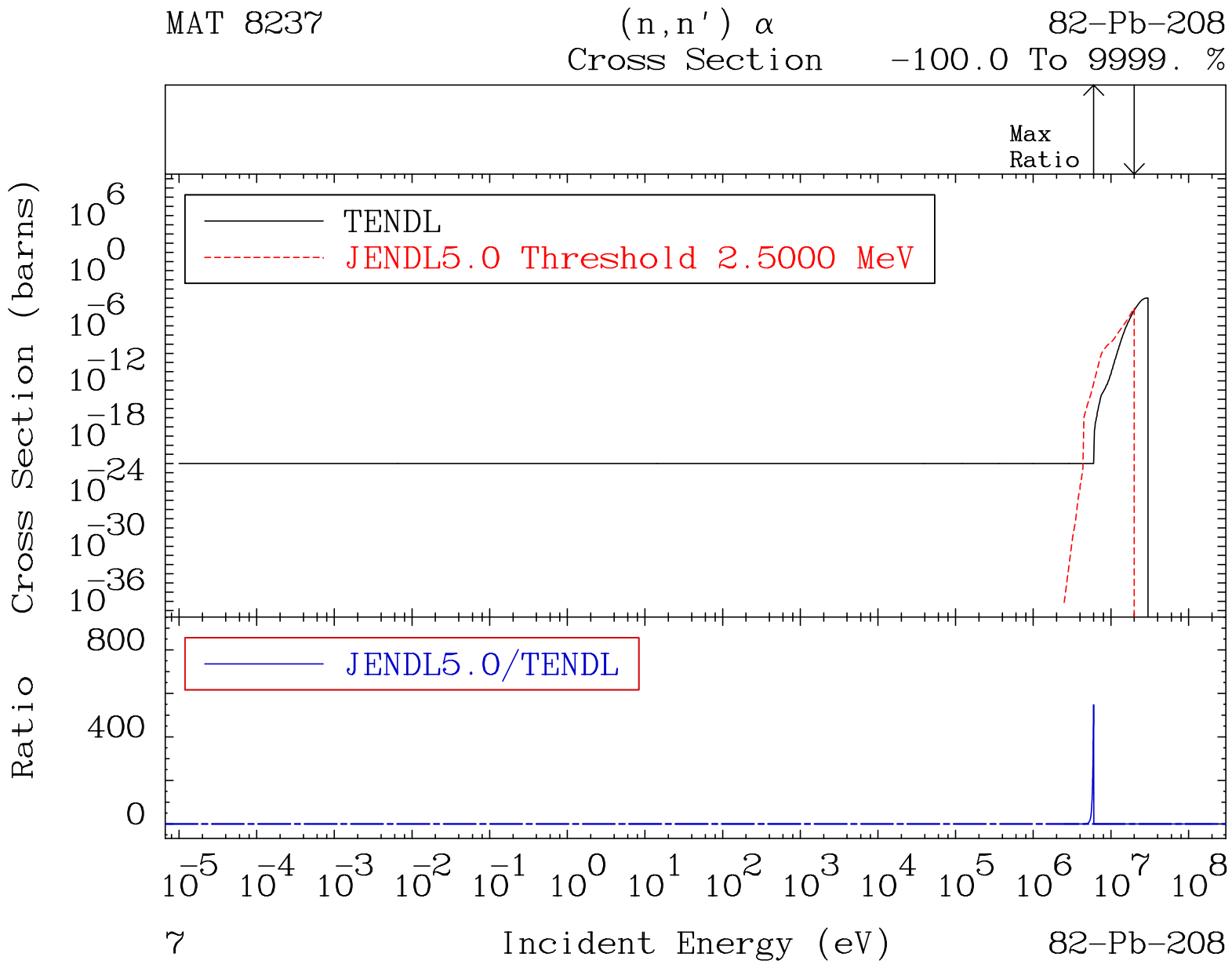

MAT 8237
Elastic
Cross Section
82-Pb-208
-31.50 To 61.45 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
82-Pb-208

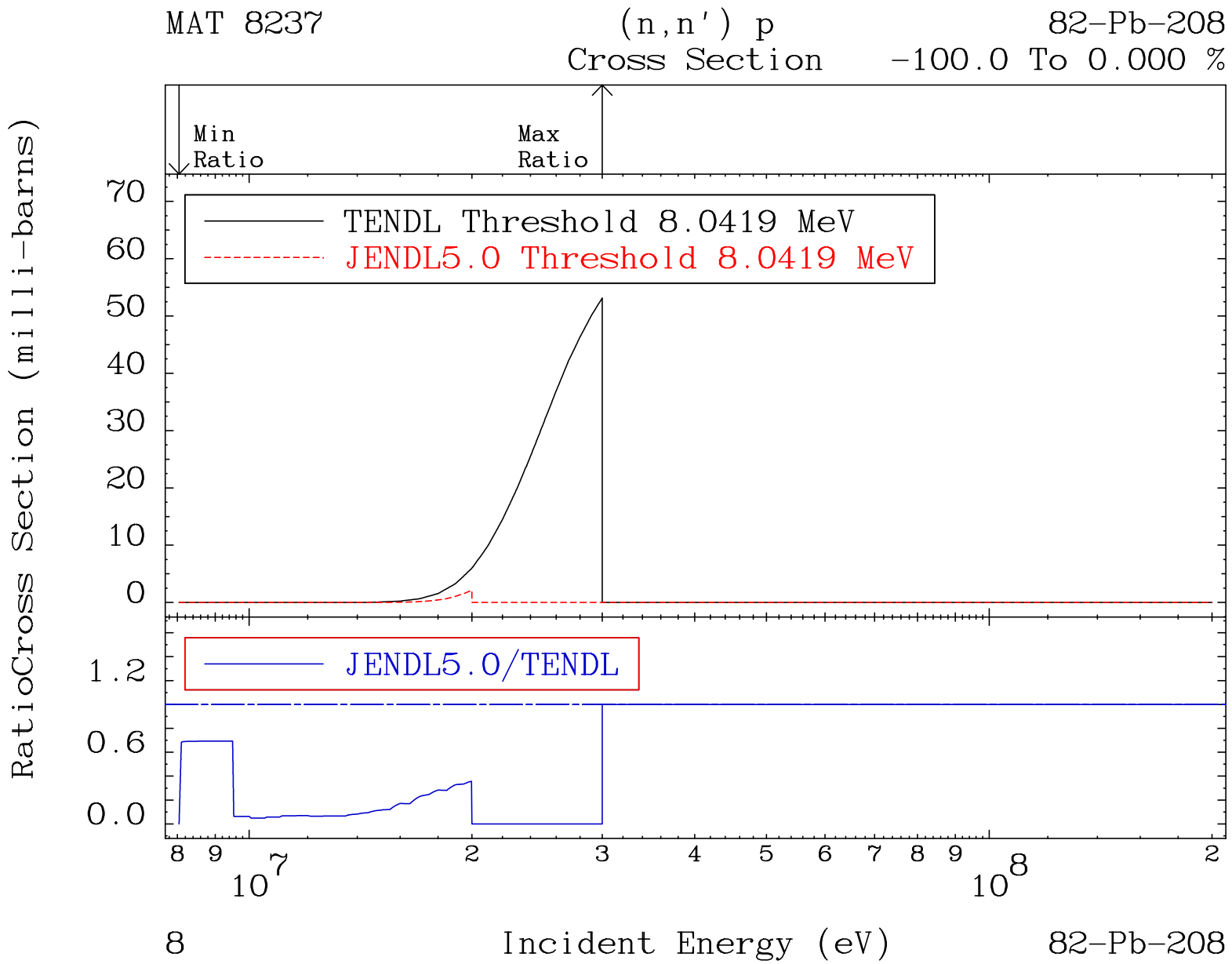

MAT 8237
Inelastic
Cross Section
82-Pb-208
-100.0 To 728.3 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.6272 MeV
JENDL5.0 Threshold 150.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
82-Pb-208

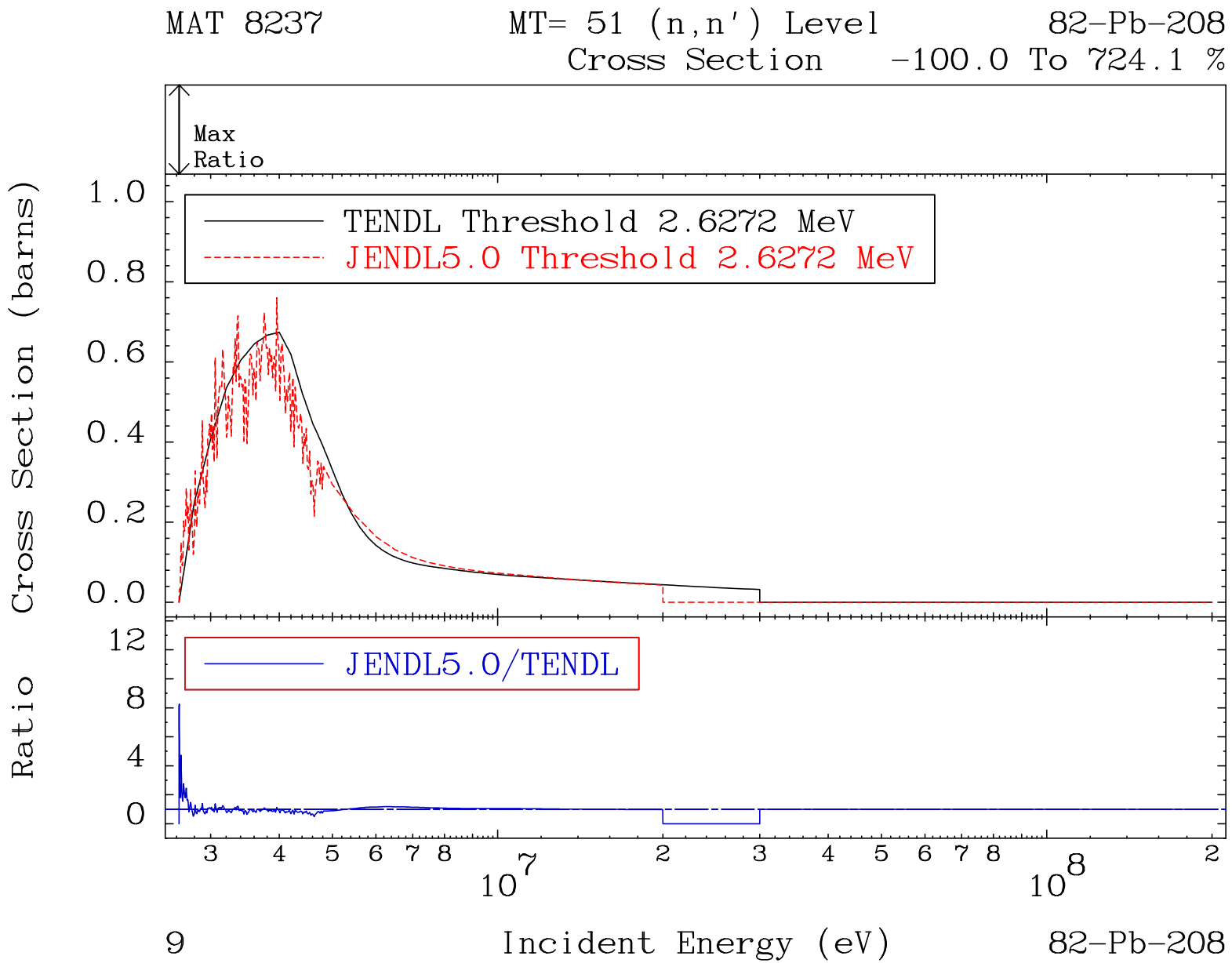

MAT 8237
(n,remainder)
Cross Section
82-Pb-208
-6.340 To -0.072%
Max
Ratio
Min
Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
1.00
0.96
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
82-Pb-208

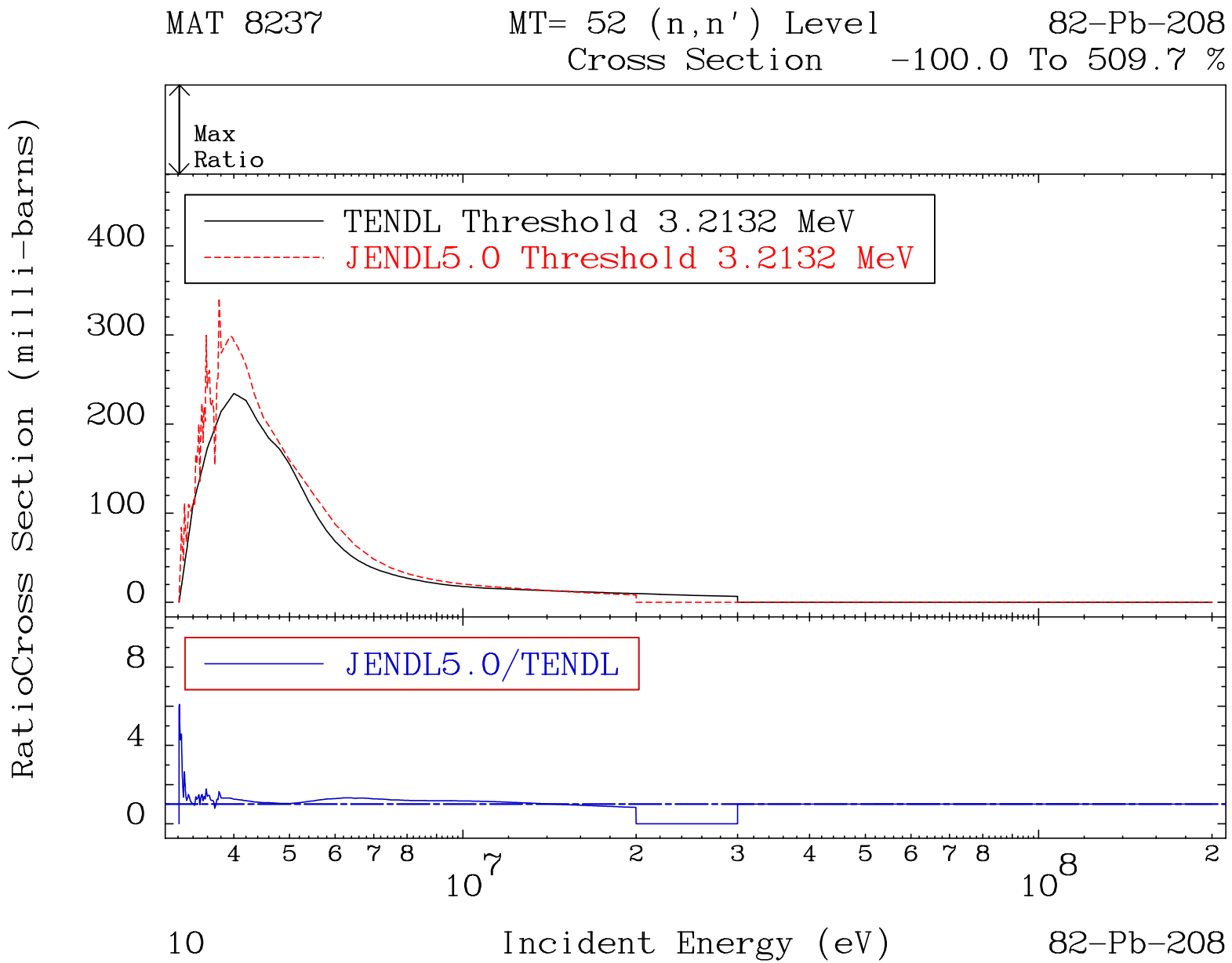

MAT 8237
(n,2n)
Cross Section
82-Pb-208
-100.0 To 461.8 %
Max
Ratio
TENDL Threshold 7.4036 MeV
JENDL5.0 Threshold 7.4036 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
8
4
0
8
2
3
4
5
6
7
8
2
10^7
10^8
5
Incident Energy (eV)
82-Pb-208

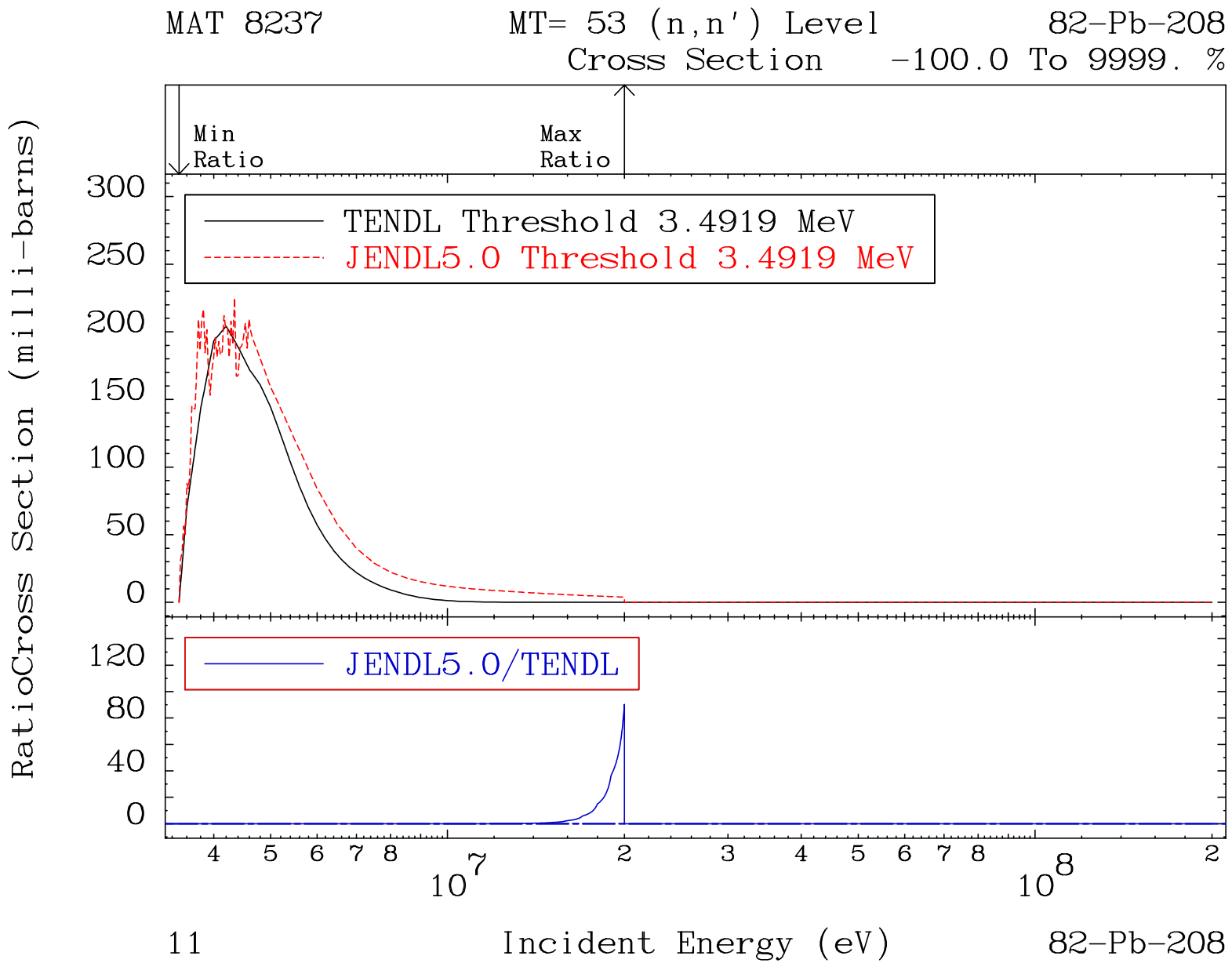

MAT 8237
(n,3n)
Cross Section
82-Pb-208
-100.0 To 103.9 %
Max
Ratio
TENDL Threshold 14.174 MeV
JENDL5.0 Threshold 14.174 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
3.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
82-Pb-208

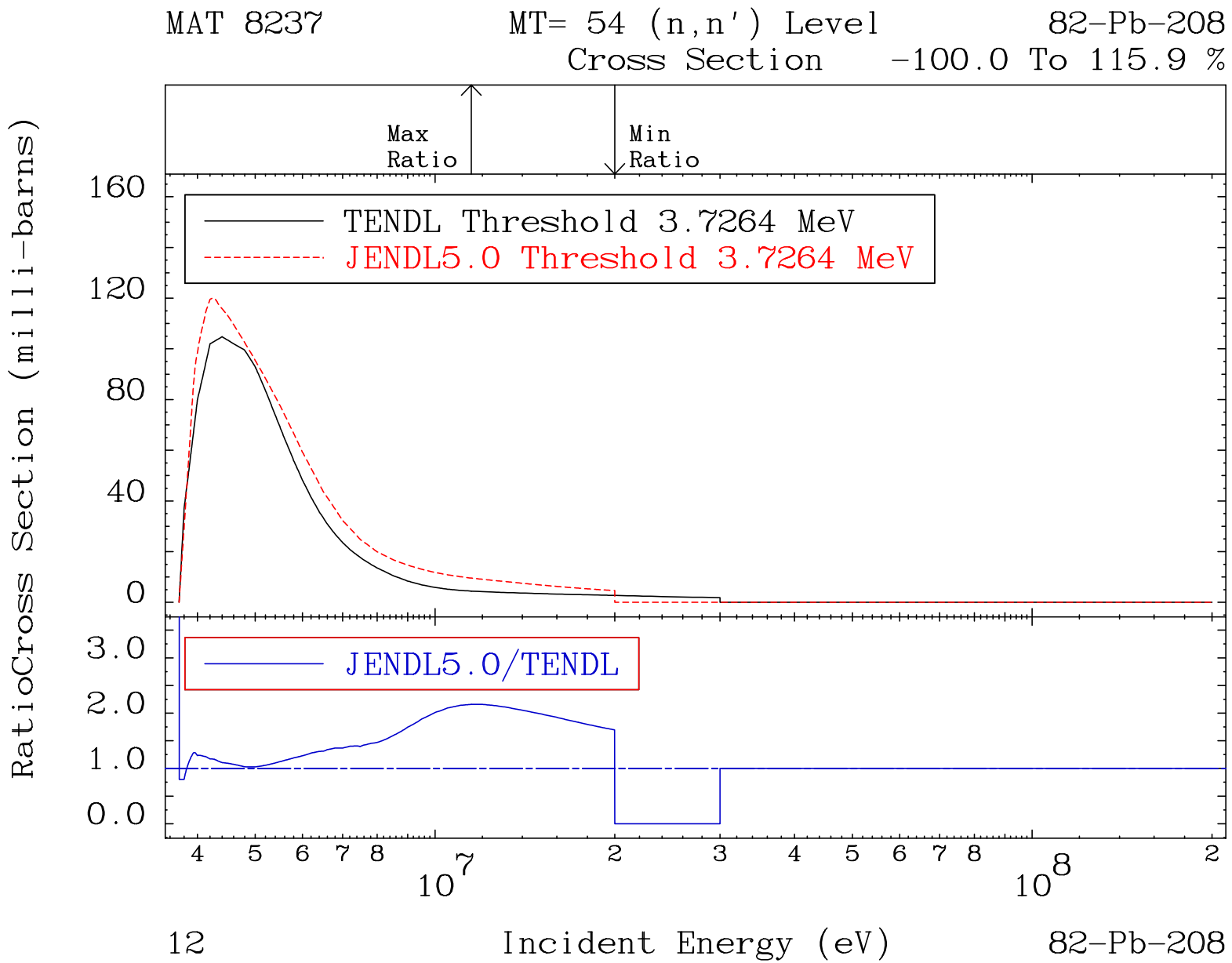

MAT 8237
(n,n') α
Cross Section
82-Pb-208
-100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0 Threshold 2.5000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
82-Pb-208
7

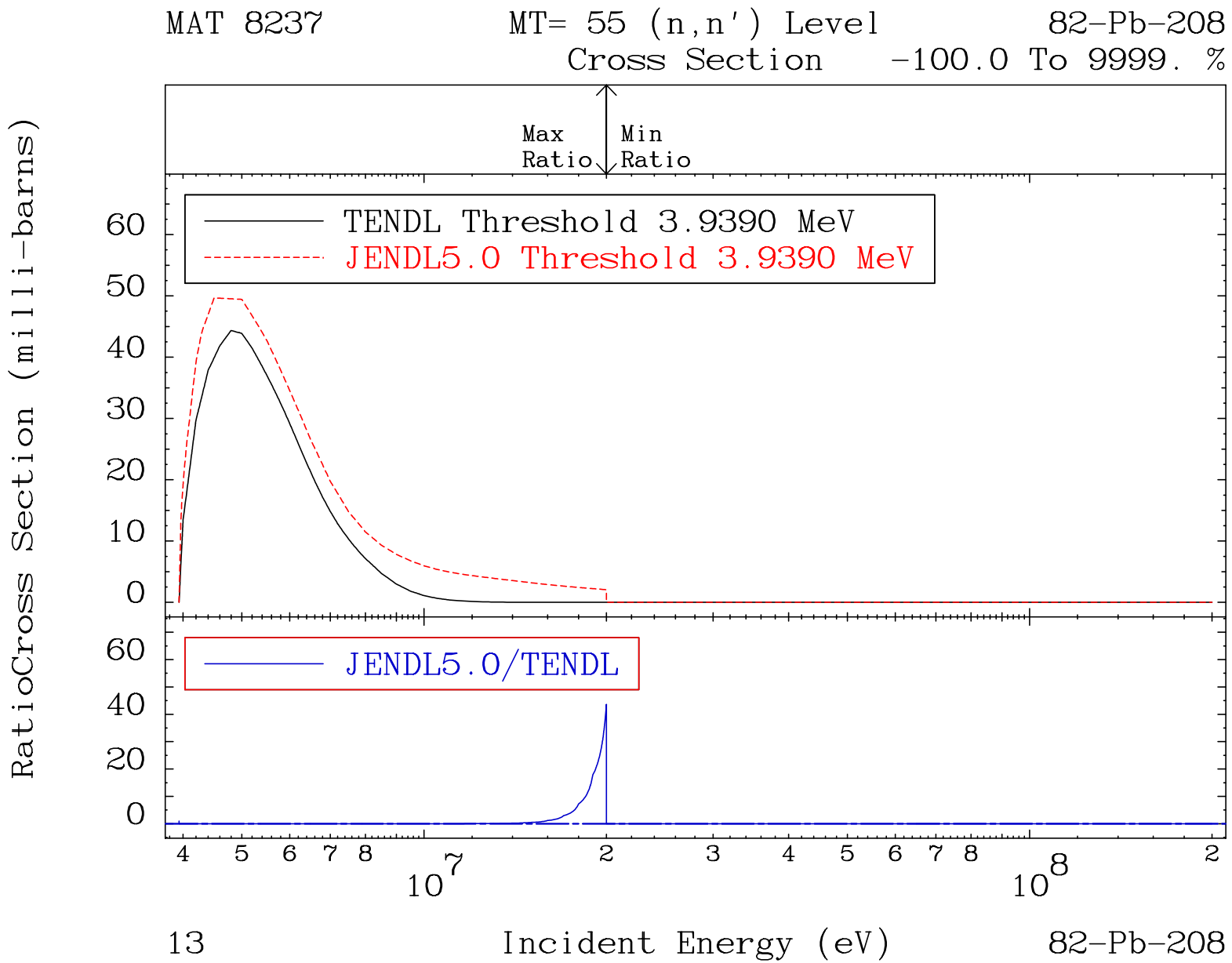

MAT 8237
(n,n') p
Cross Section
82-Pb-208
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 8.0419 MeV
JENDL5.0 Threshold 8.0419 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
82-Pb-208

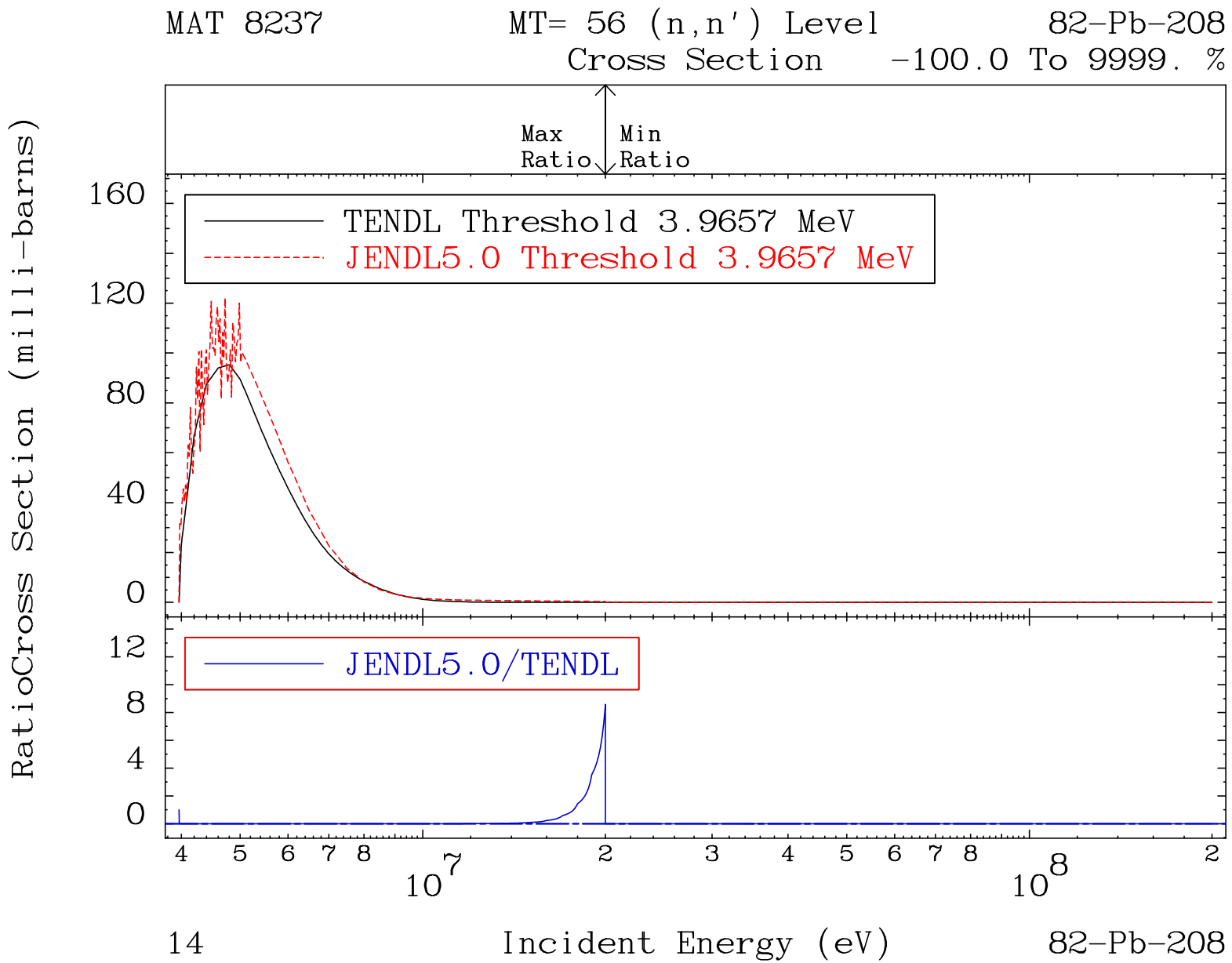

MAT 8237
MT= 51 (n,n') Level
82-Pb-208
Cross Section
-100.0 To 724.1 %
Max
Ratio
TENDL Threshold 2.6272 MeV
JENDL5.0 Threshold 2.6272 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
12
8
4
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
9
82-Pb-208

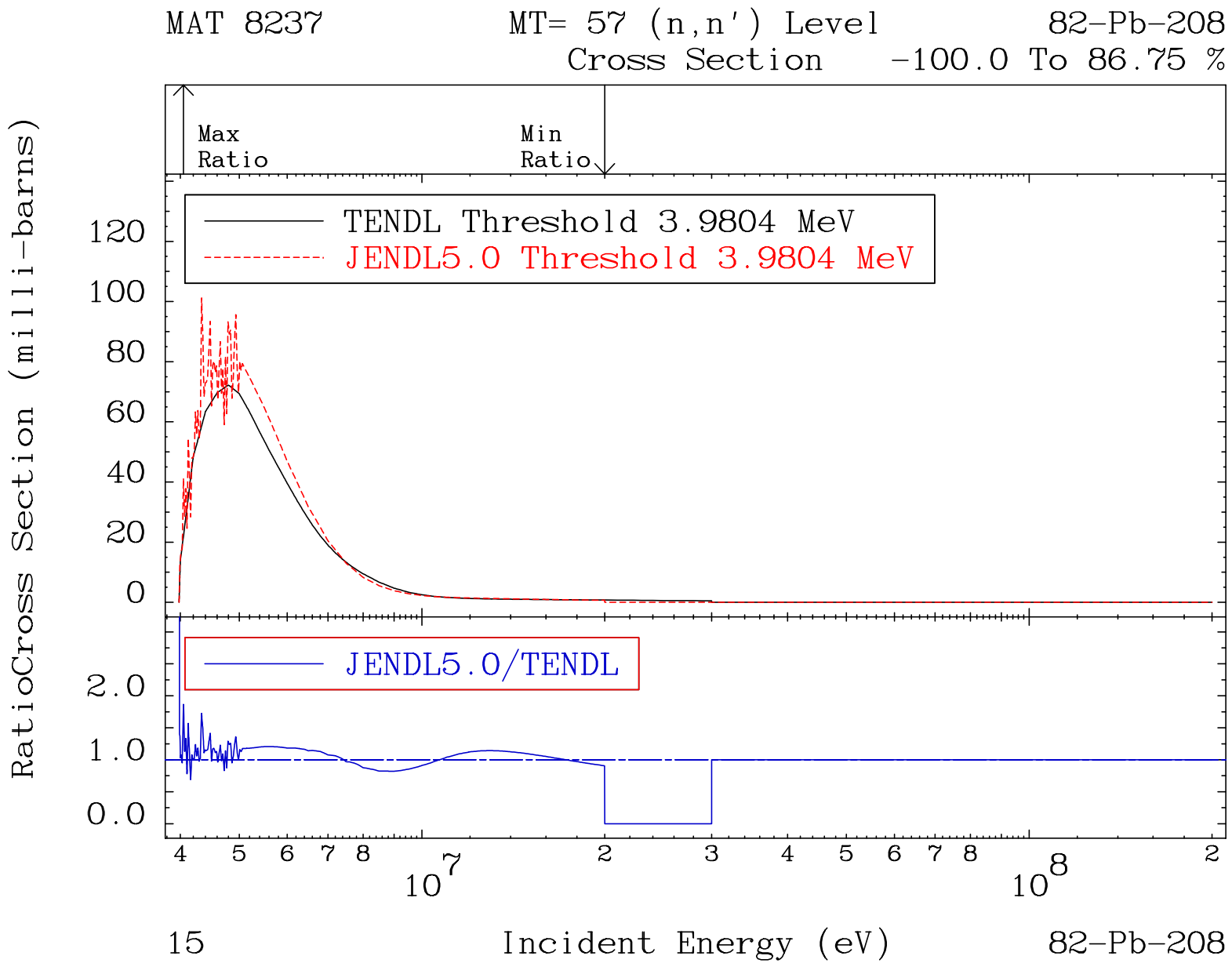

MAT 8237
MT= 52 (n,n') Level
82-Pb-208
Cross Section
-100.0 To 509.7 %
Max
Ratio
TENDL Threshold 3.2132 MeV
JENDL5.0 Threshold 3.2132 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
8
4
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
10
Incident Energy (eV)
82-Pb-208

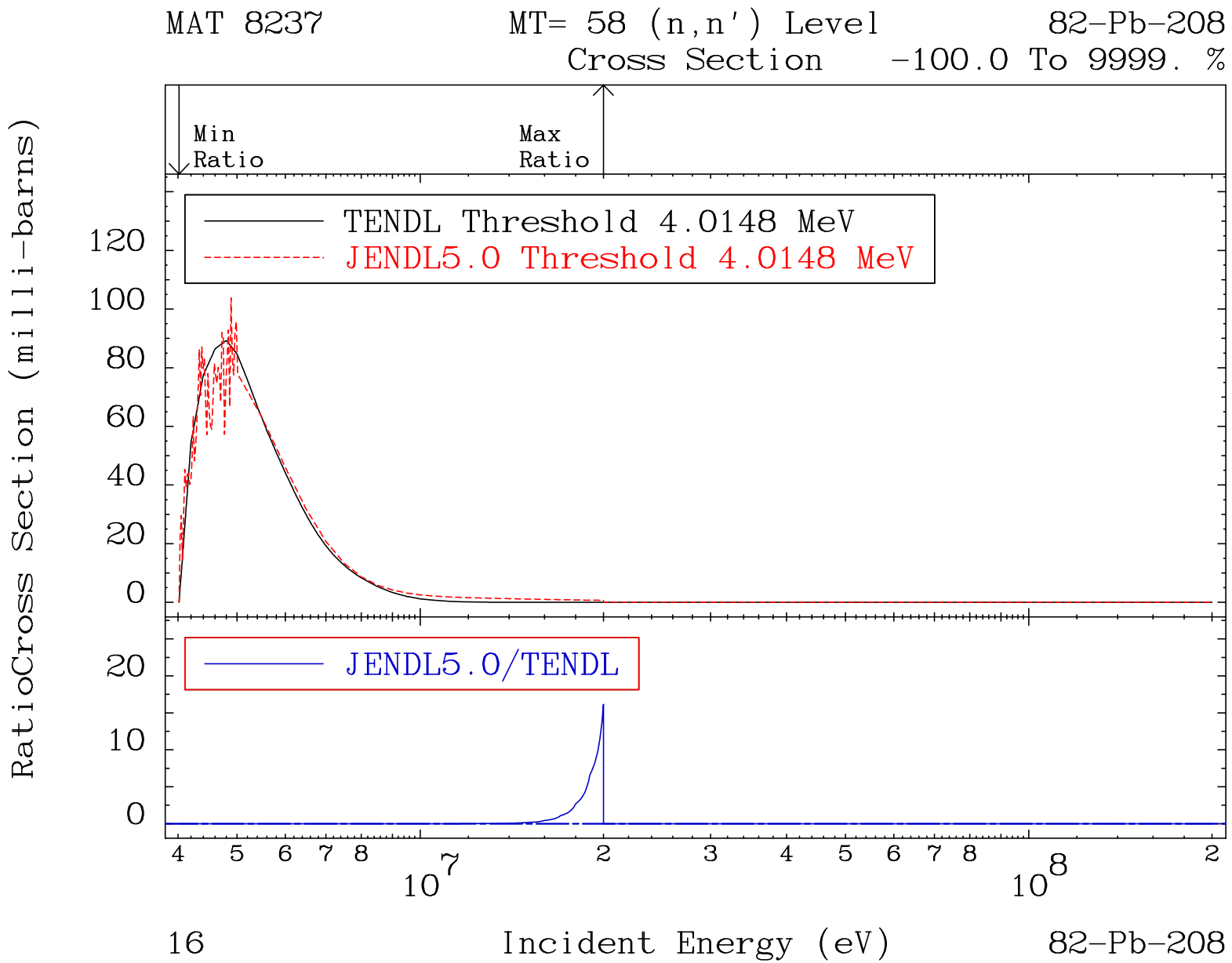

MAT 8237
MT= 53 (n,n') Level
82-Pb-208
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.4919 MeV
JENDL5.0 Threshold 3.4919 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
120
80
40
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
11
Incident Energy (eV)
82-Pb-208

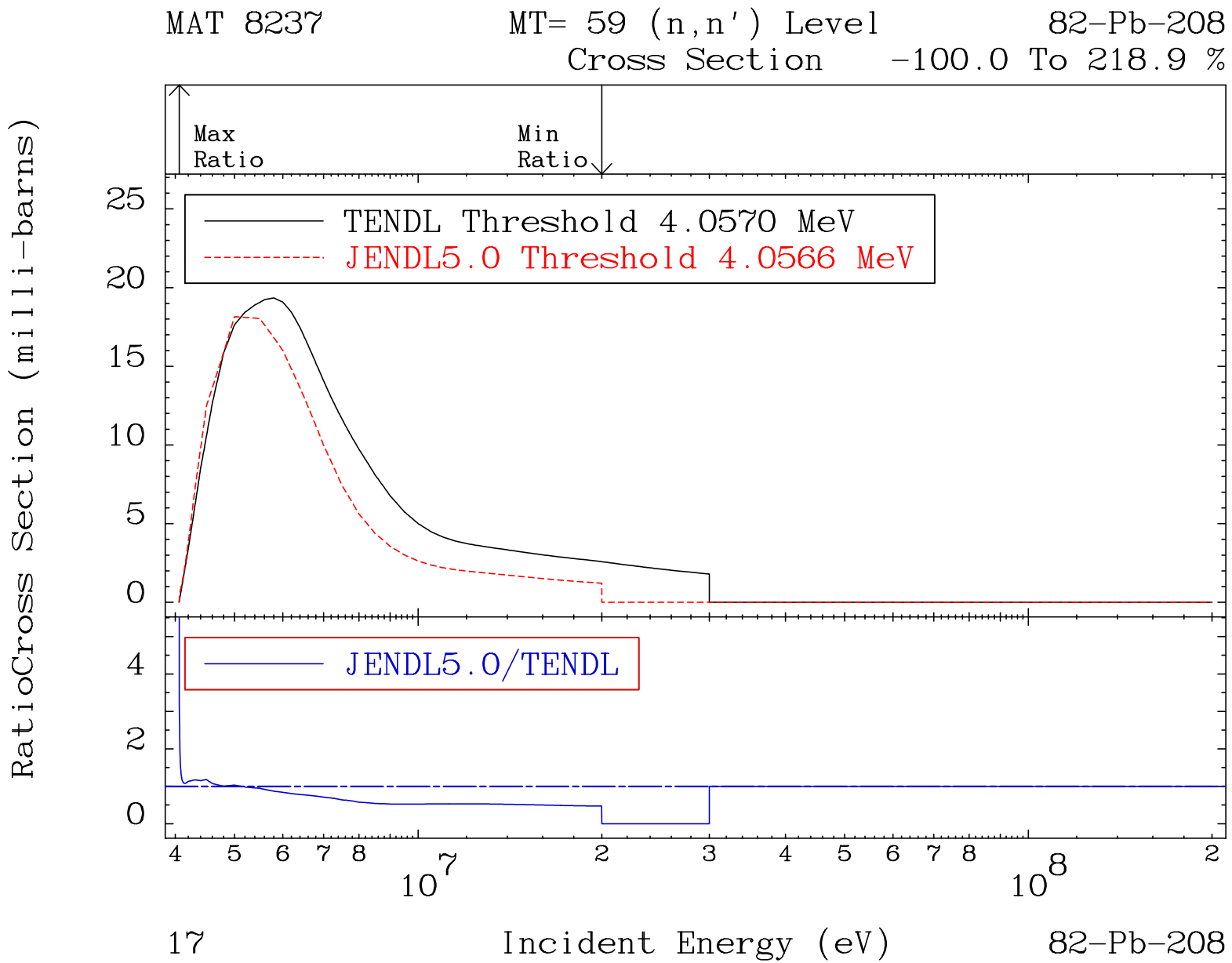

MAT 8237
MT= 54 (n,n') Level
82-Pb-208
Cross Section -100.0 To 115.9 %
Max Ratio
Min Ratio
TENDL Threshold 3.7264 MeV
JENDL5.0 Threshold 3.7264 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
3.0
2.0
1.0
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
82-Pb-208

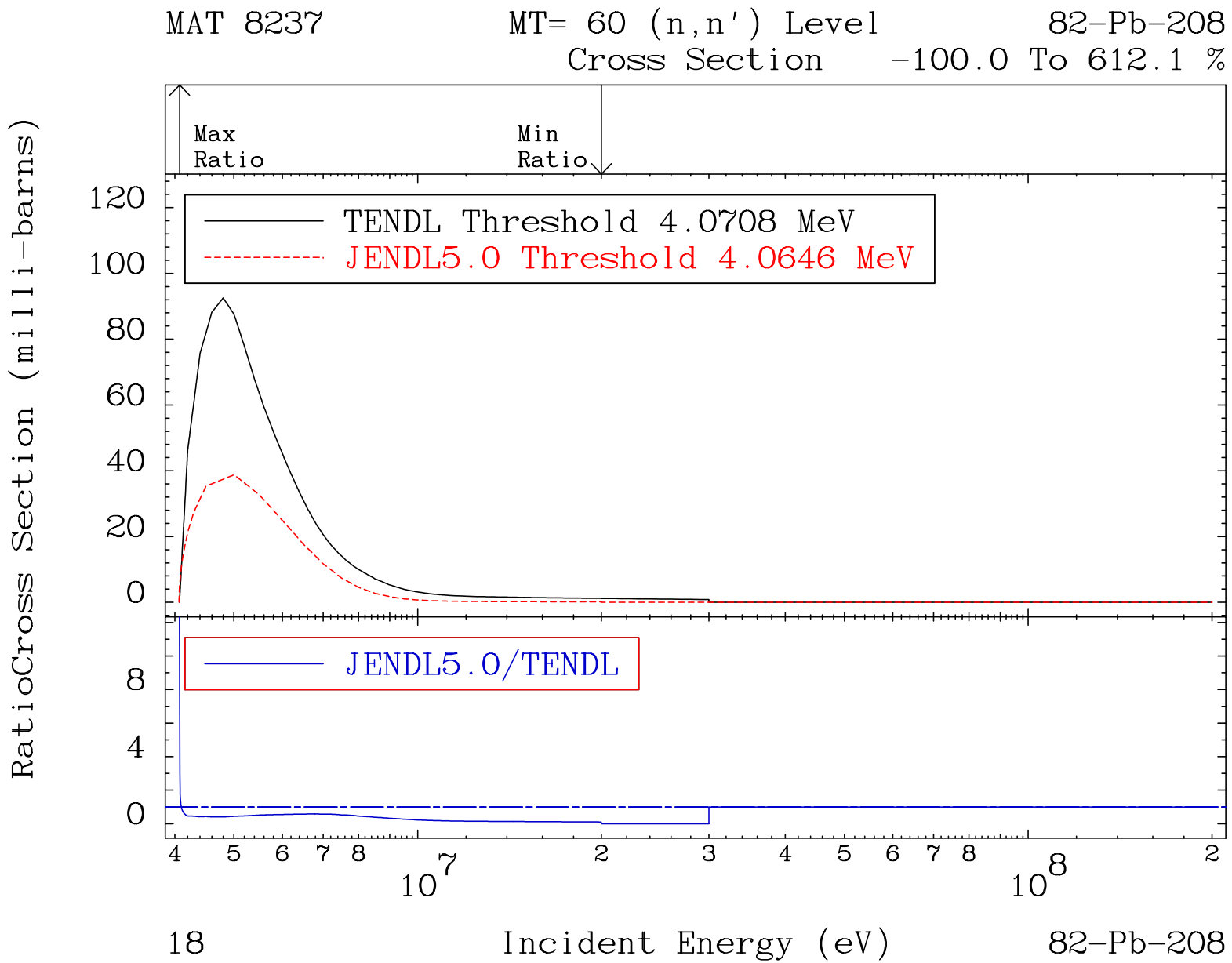

MAT 8237
MT= 55 (n,n') Level
82-Pb-208
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.9390 MeV
JENDL5.0 Threshold 3.9390 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
13
Incident Energy (eV)
82-Pb-208

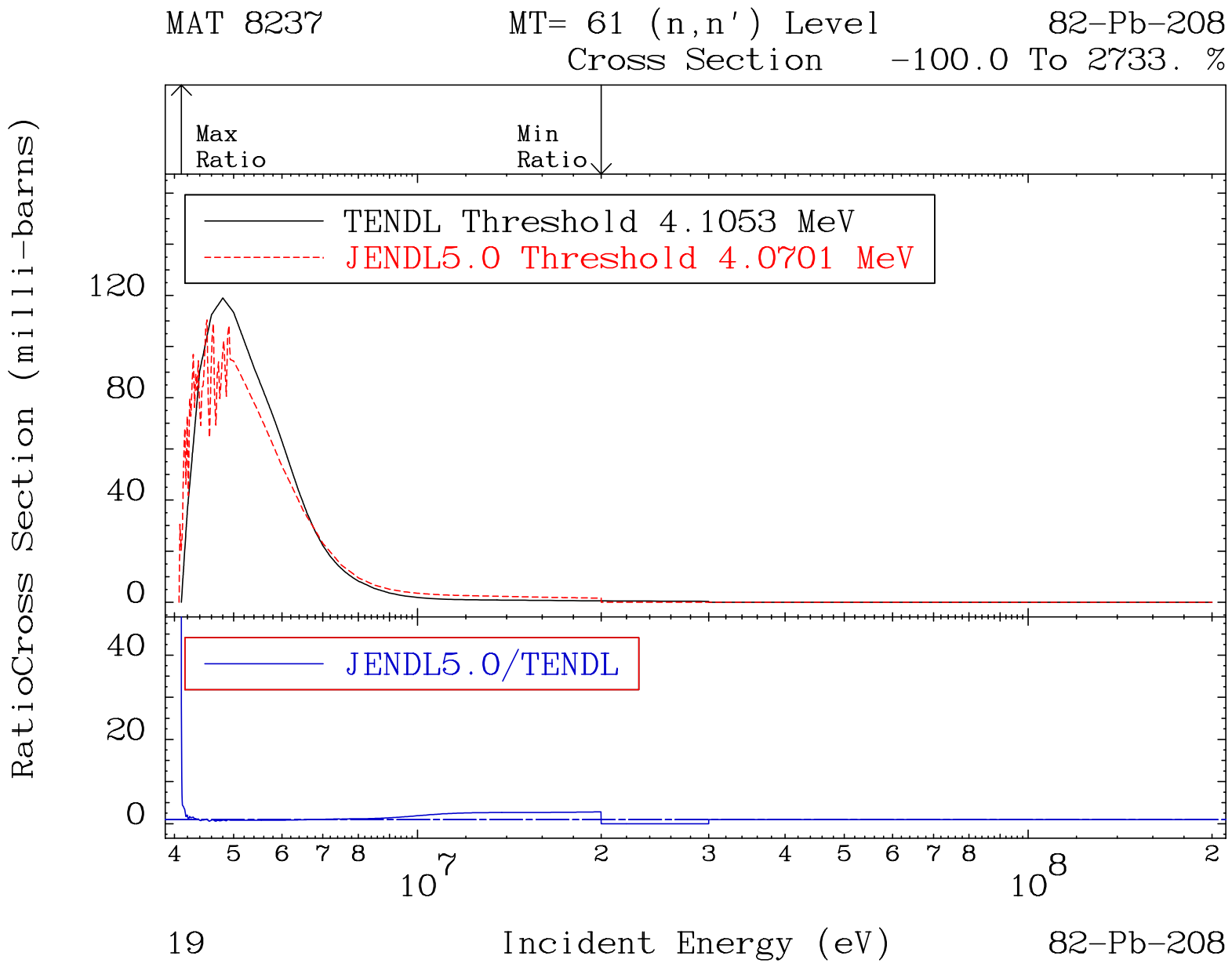

MAT 8237
MT= 56 (n,n') Level
82-Pb-208
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.9657 MeV
JENDL5.0 Threshold 3.9657 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
12
8
4
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
14
Incident Energy (eV)
82-Pb-208

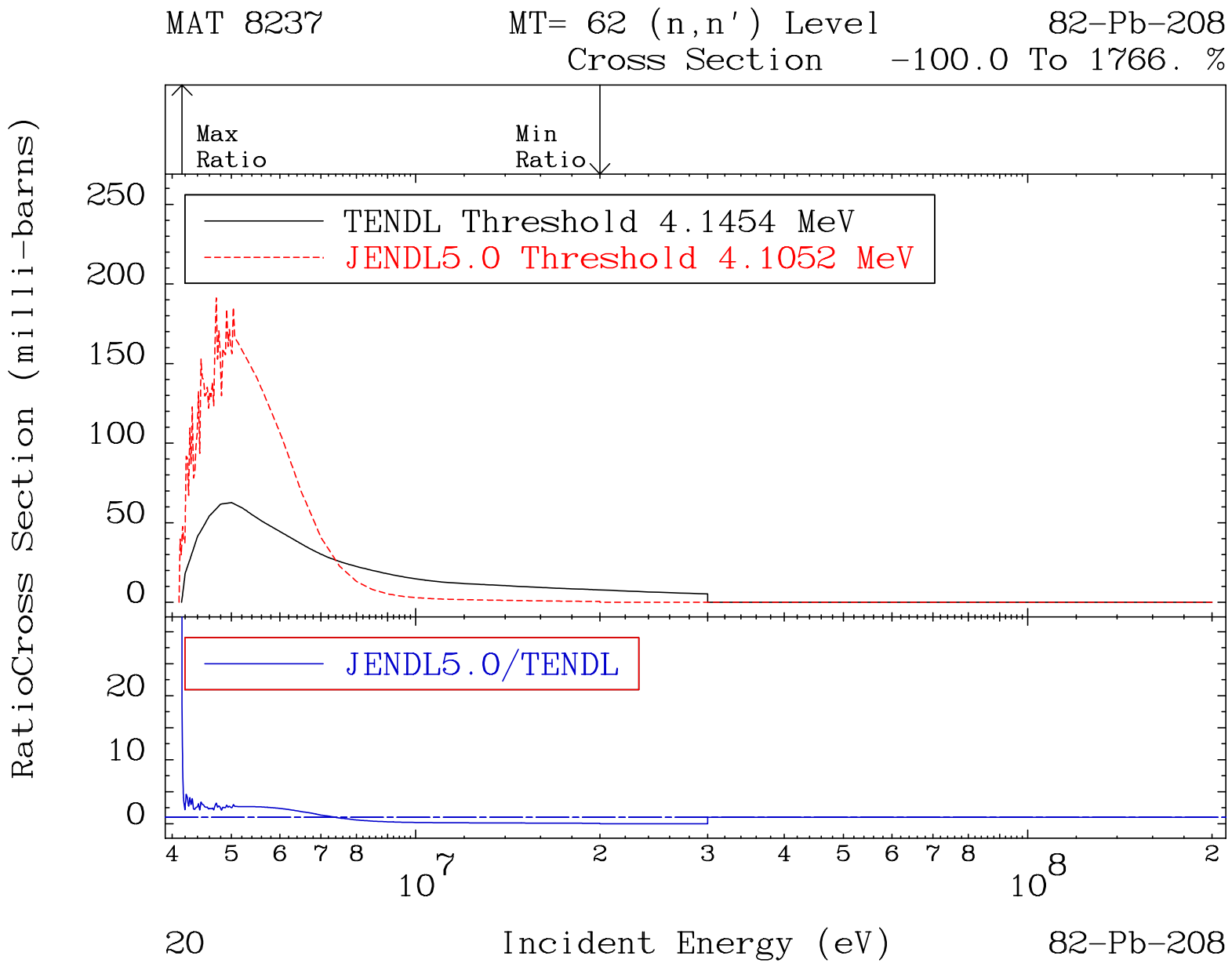

MAT 8237
MT= 57 (n,n') Level
82-Pb-208
Cross Section
-100.0 To 86.75 %
Max Ratio
Min Ratio
TENDL Threshold 3.9804 MeV
JENDL5.0 Threshold 3.9804 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
2.0
1.0
0.0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
15
82-Pb-208

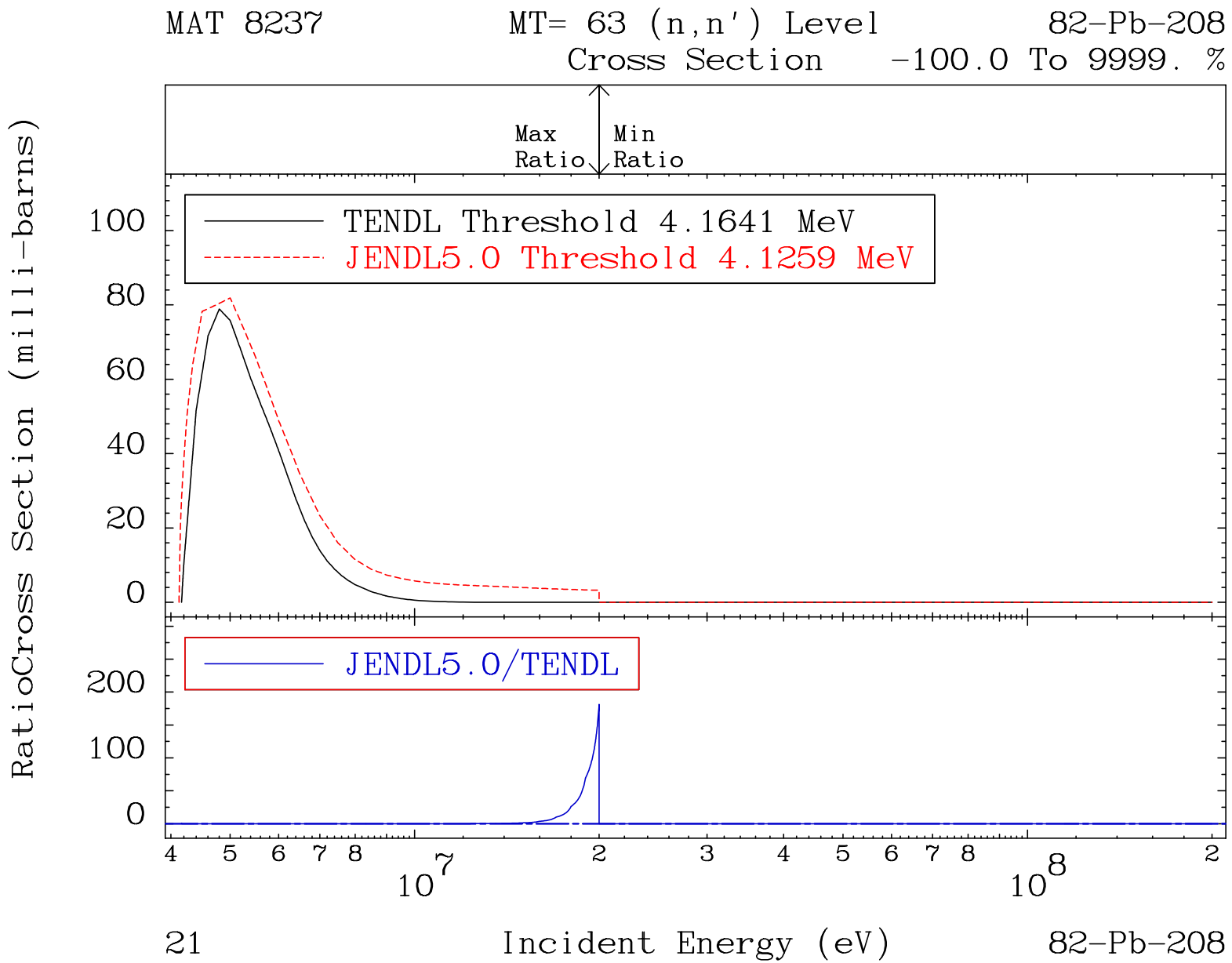

MAT 8237
MT= 58 (n,n') Level
82-Pb-208
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.0148 MeV
JENDL5.0 Threshold 4.0148 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
20
10
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
16
Incident Energy (eV)
82-Pb-208

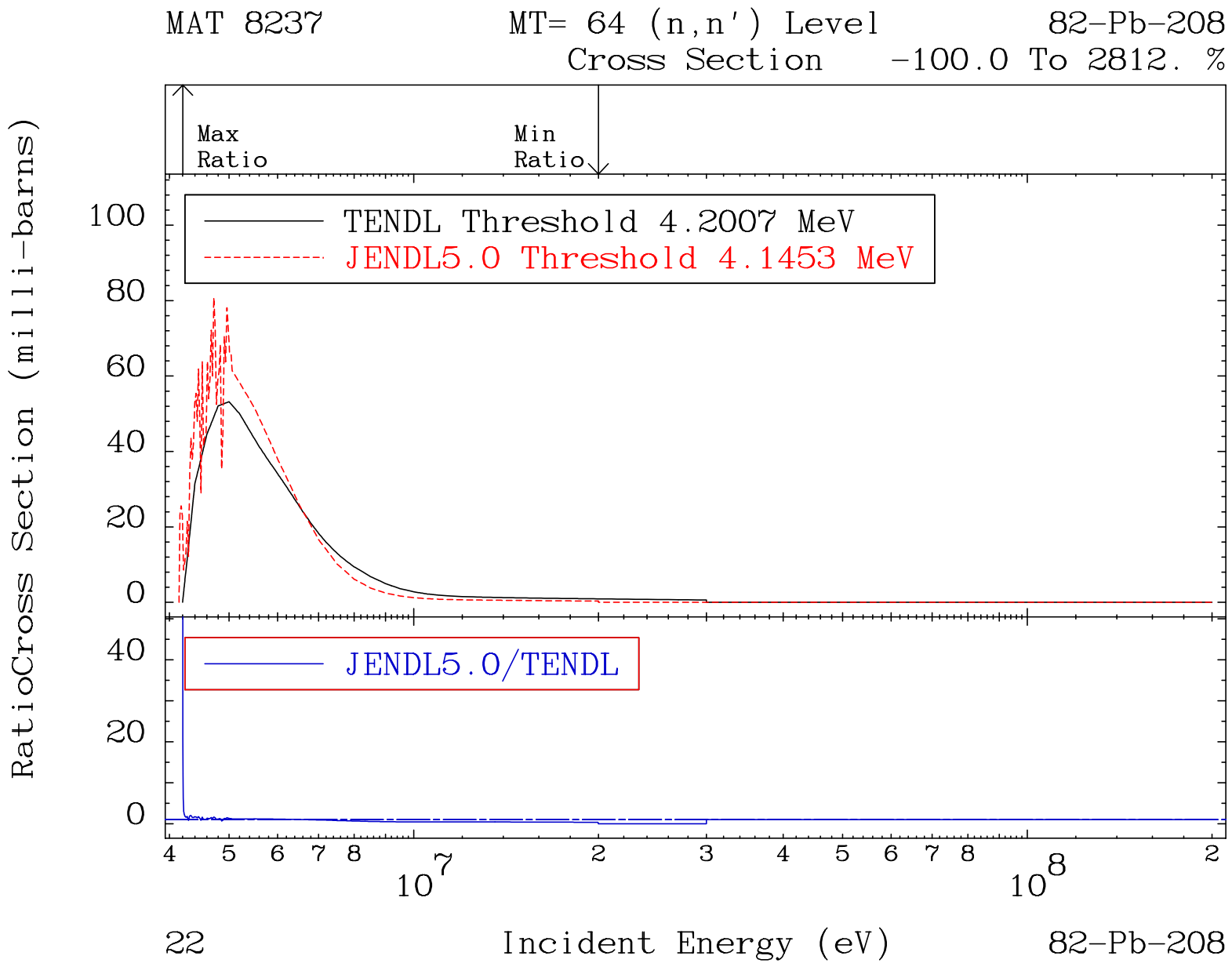

MAT 8237
MT= 59 (n,n') Level
82-Pb-208
Cross Section
-100.0 To 218.9 %
Max Ratio
Min Ratio
TENDL Threshold 4.0570 MeV
JENDL5.0 Threshold 4.0566 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
17
82-Pb-208

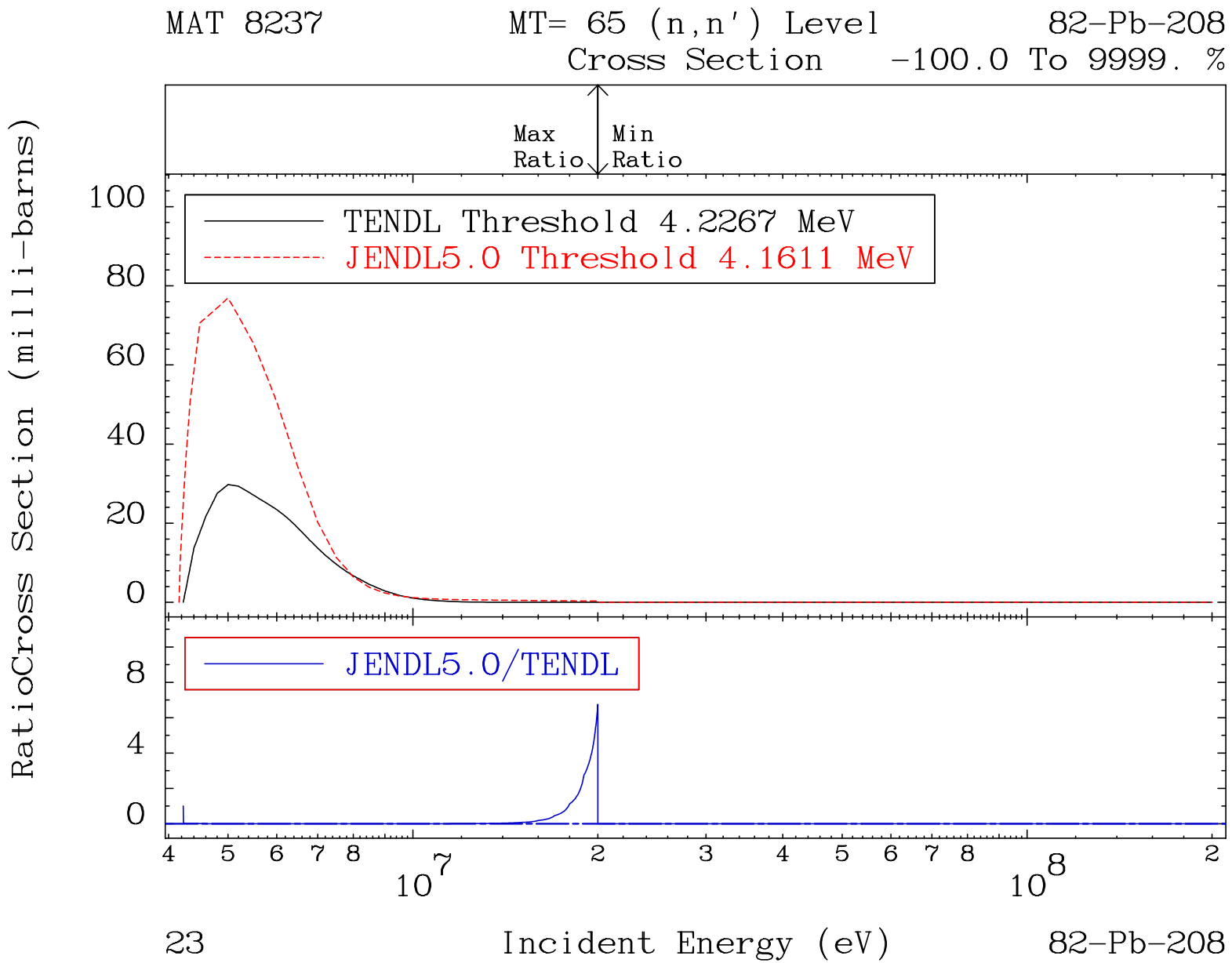

MAT 8237
MT= 60 (n,n') Level
82-Pb-208
Cross Section
-100.0 To 612.1 %
Max Ratio
Min Ratio
TENDL Threshold 4.0708 MeV
JENDL5.0 Threshold 4.0646 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
8
4
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
18
82-Pb-208

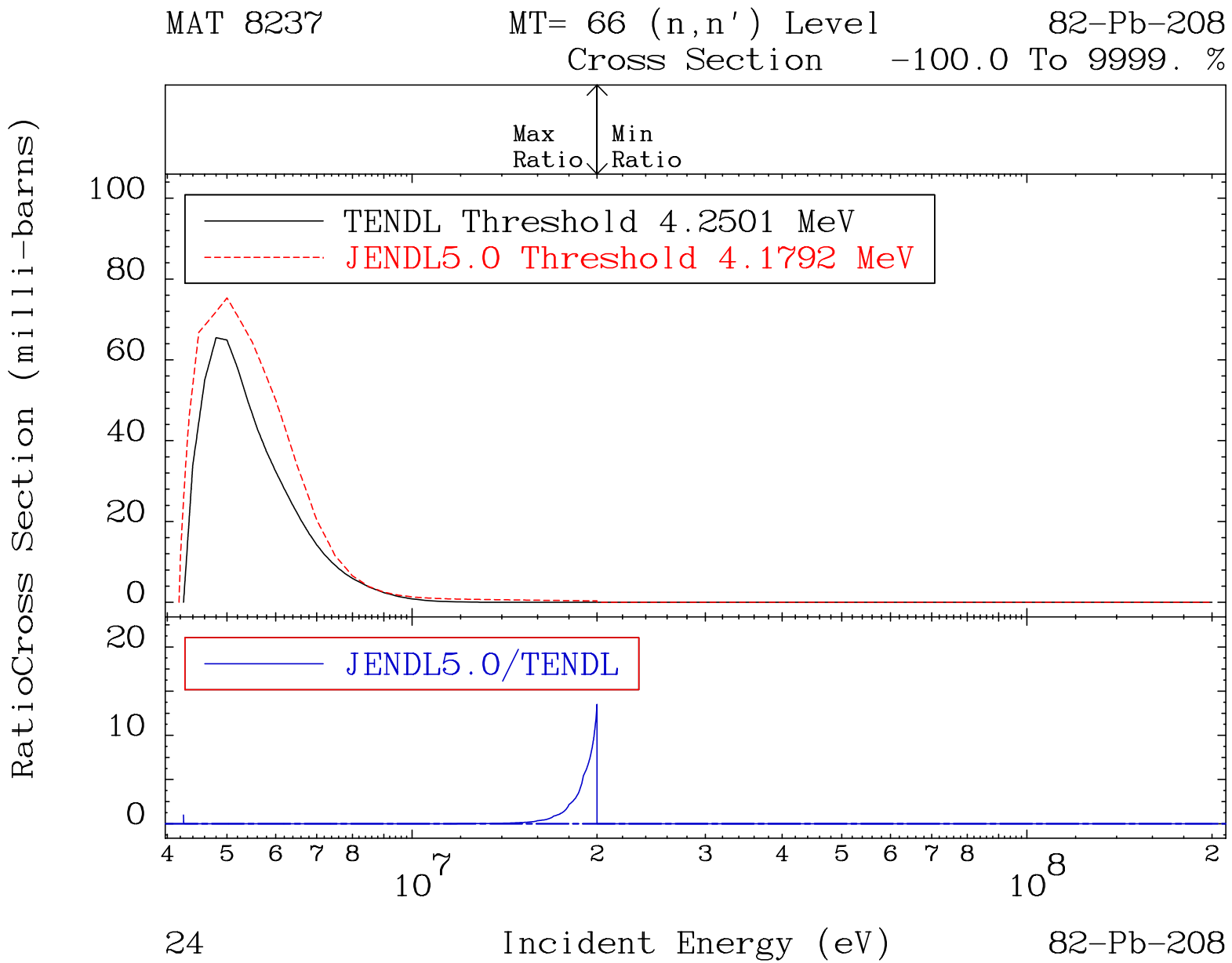

MAT 8237
MT= 61 (n,n') Level
82-Pb-208
Cross Section -100.0 To 2733. %
Max Ratio
Min Ratio
TENDL Threshold 4.1053 MeV
JENDL5.0 Threshold 4.0701 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
80
40
0
40
20
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
19
Incident Energy (eV)
82-Pb-208

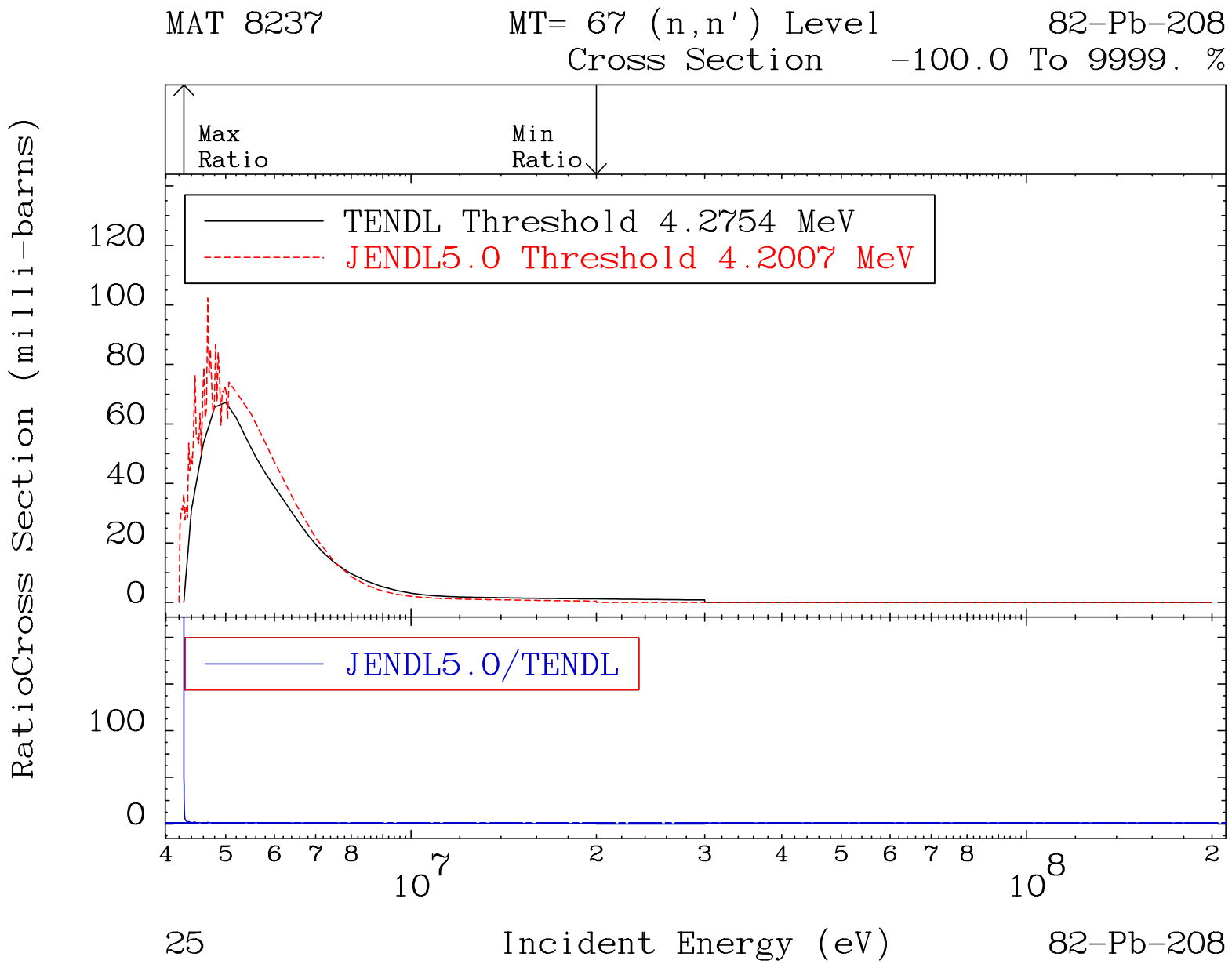

MAT 8237
MT= 62 (n,n') Level
82-Pb-208
Cross Section -100.0 To 1766. %
Max Ratio
Min Ratio
TENDL Threshold 4.1454 MeV
JENDL5.0 Threshold 4.1052 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
20
10
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
20
82-Pb-208

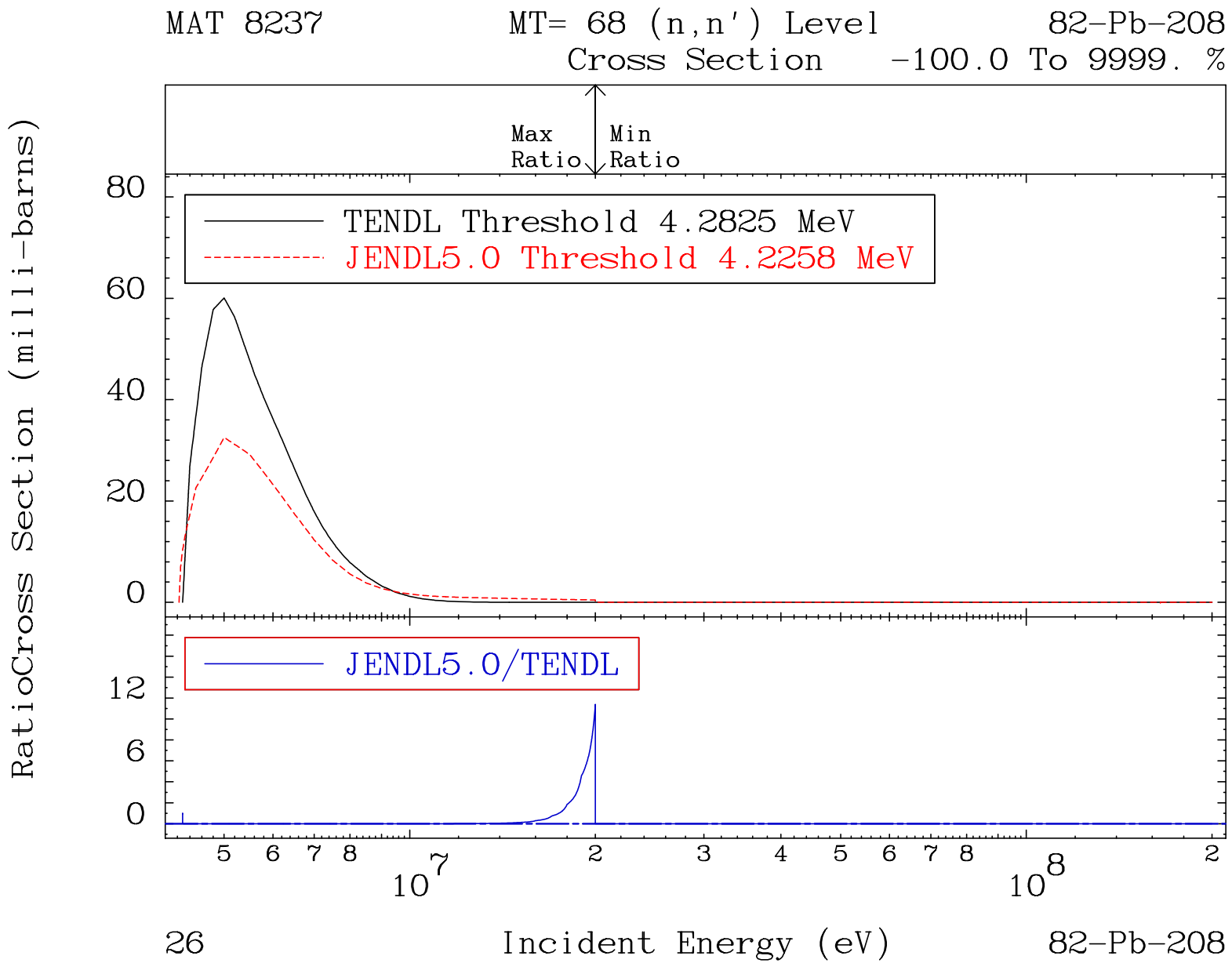

MAT 8237
MT= 63 (n,n') Level
82-Pb-208
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.1641 MeV
JENDL5.0 Threshold 4.1259 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
200
100
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
21
Incident Energy (eV)
82-Pb-208

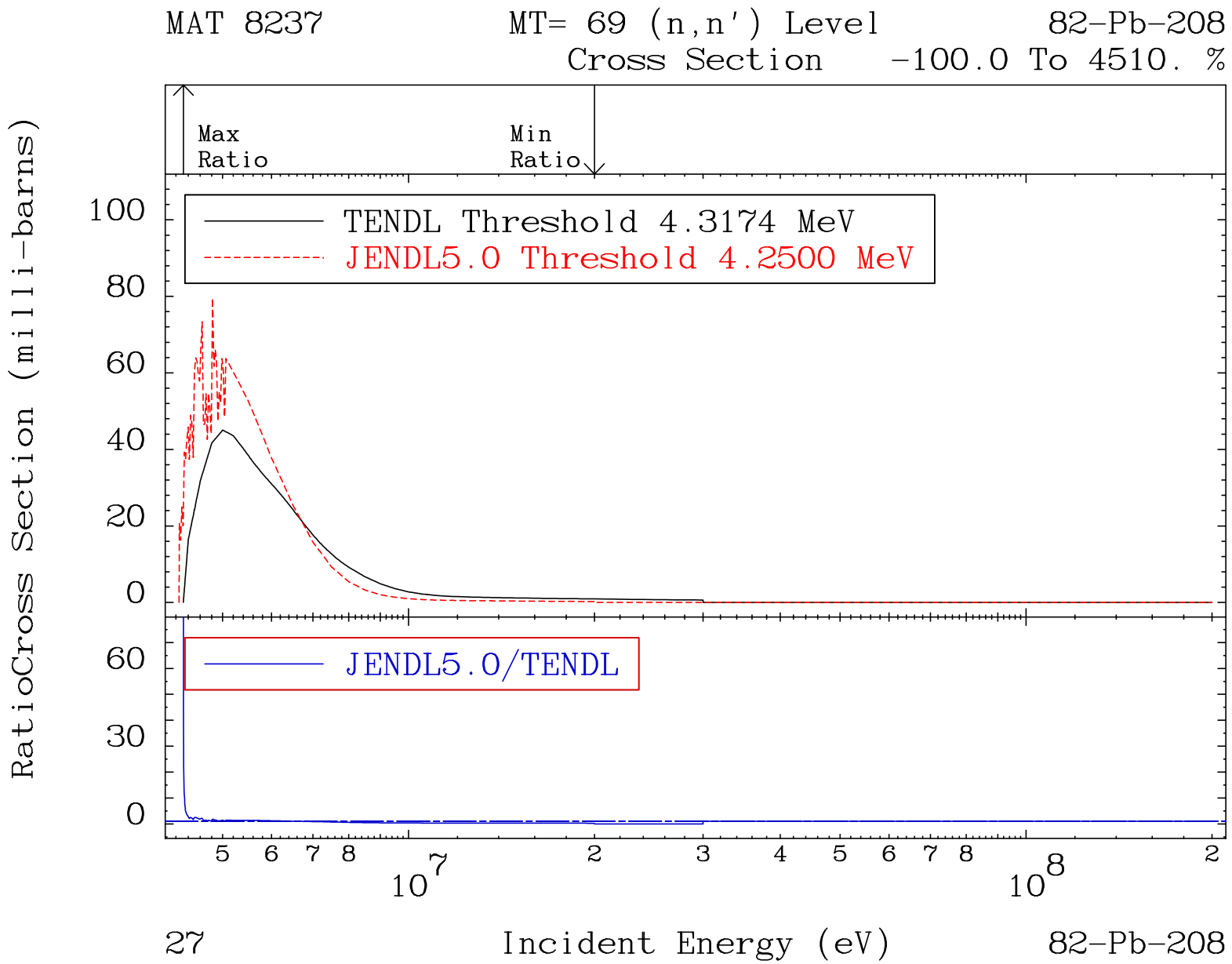

MAT 8237
MT= 64 (n,n') Level
82-Pb-208
Cross Section -100.0 To 2812. %
Max Ratio
Min Ratio
TENDL Threshold 4.2007 MeV
JENDL5.0 Threshold 4.1453 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
40
20
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
22
82-Pb-208

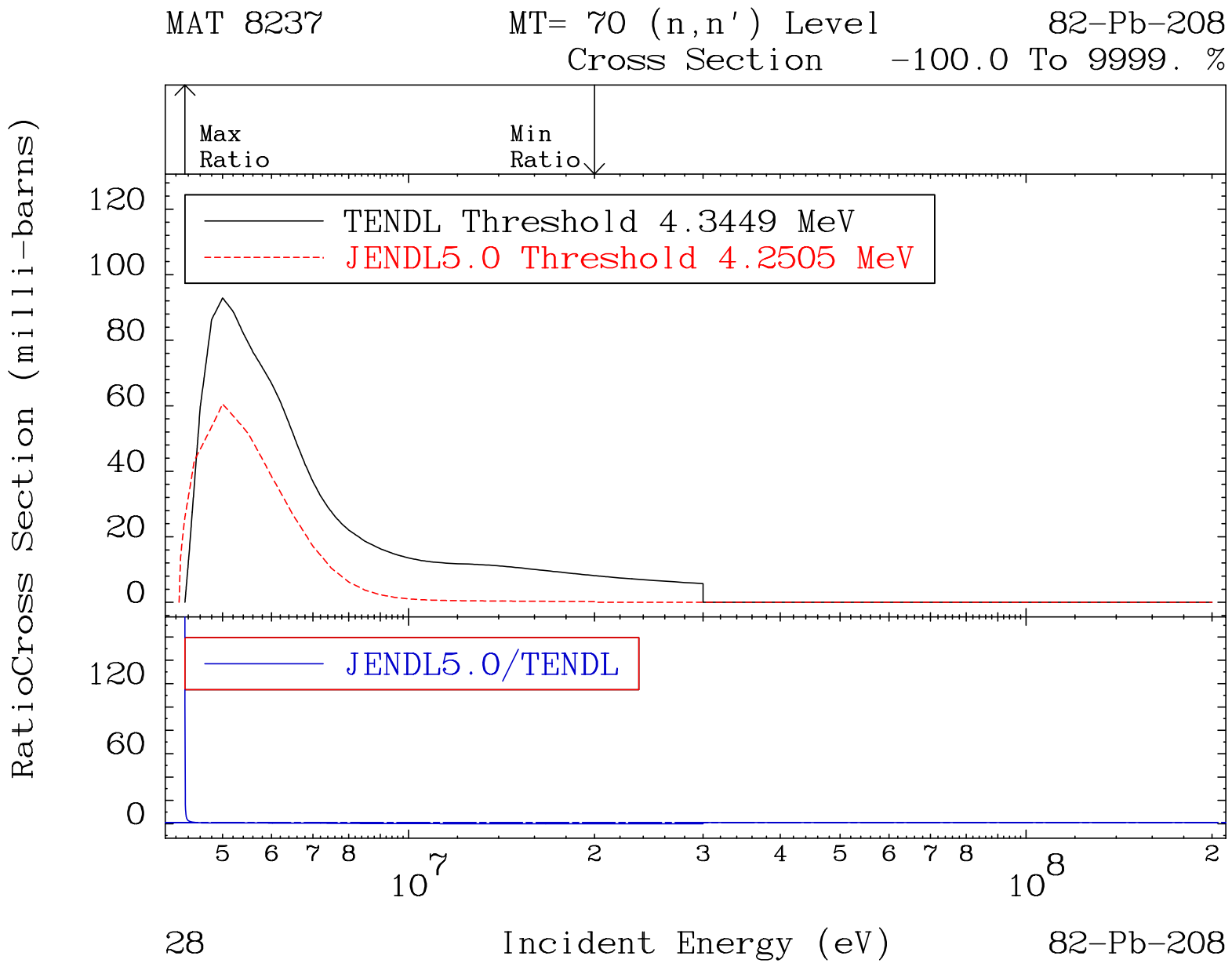

MAT 8237
MT= 65 (n,n') Level
82-Pb-208
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.2267 MeV
JENDL5.0 Threshold 4.1611 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
8
4
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
82-Pb-208

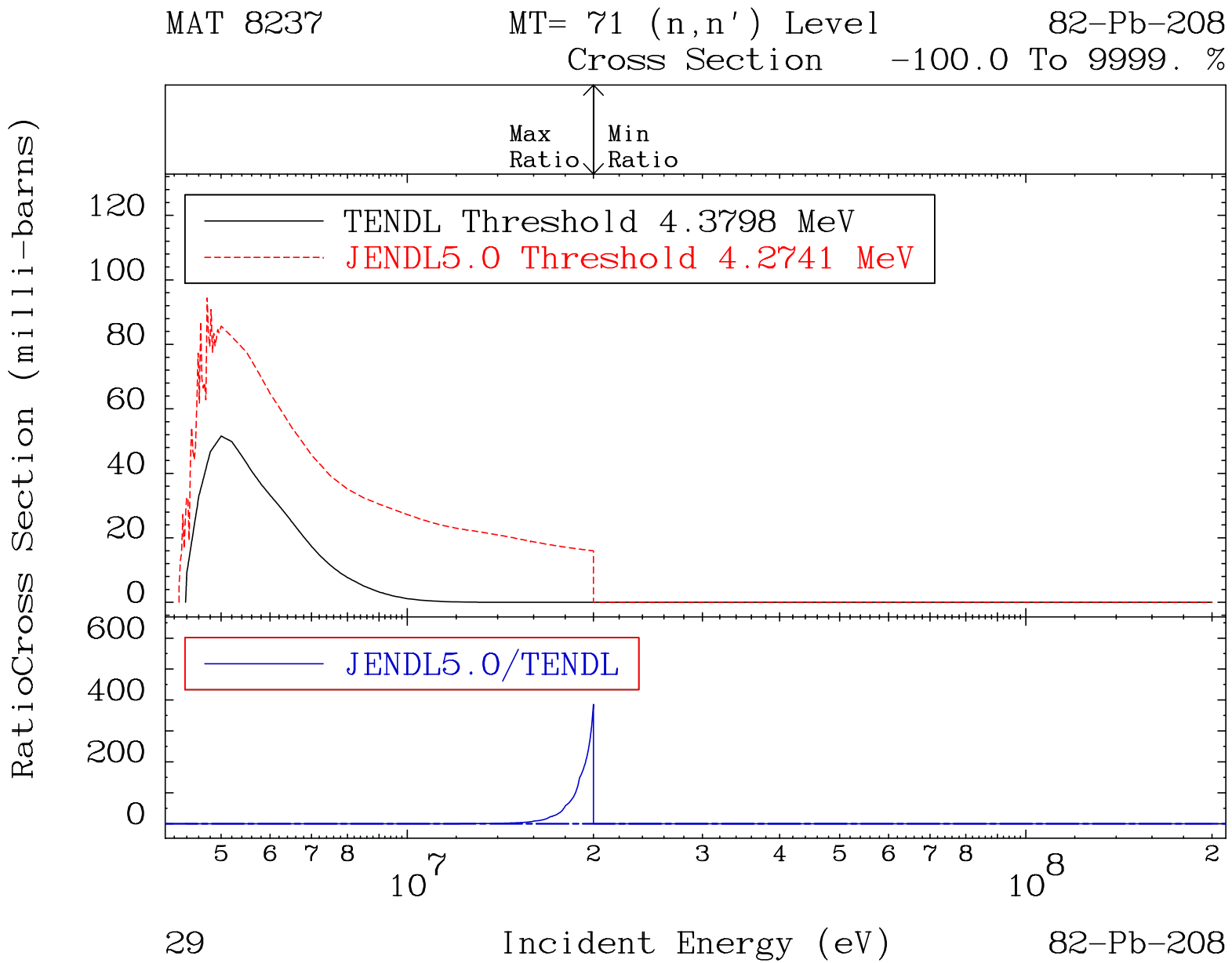

MAT 8237
MT= 66 (n,n') Level
82-Pb-208
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.2501 MeV
JENDL5.0 Threshold 4.1792 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
24
82-Pb-208

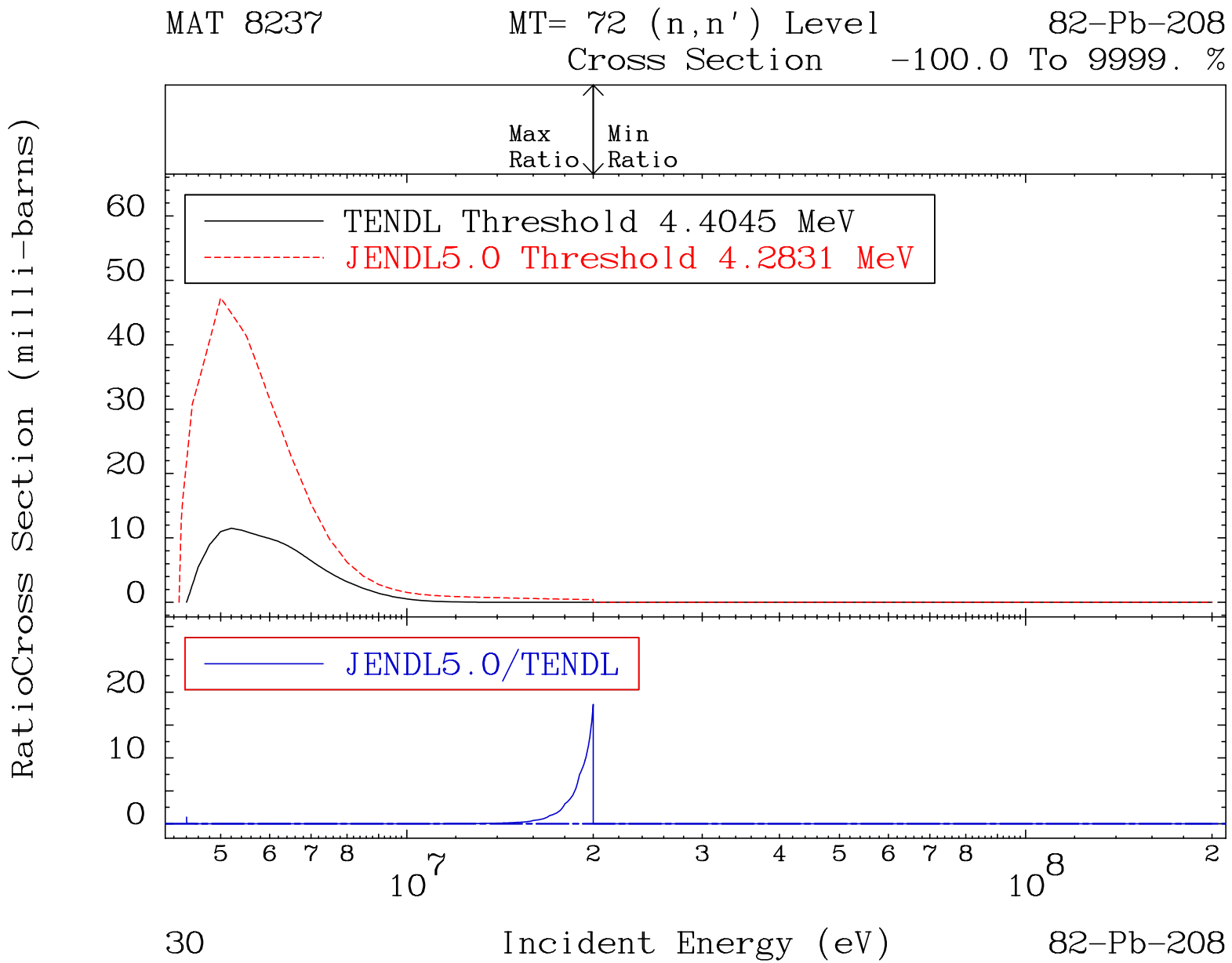

MAT 8237
MT= 67 (n,n') Level
82-Pb-208
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.2754 MeV
JENDL5.0 Threshold 4.2007 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
100
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
25
82-Pb-208

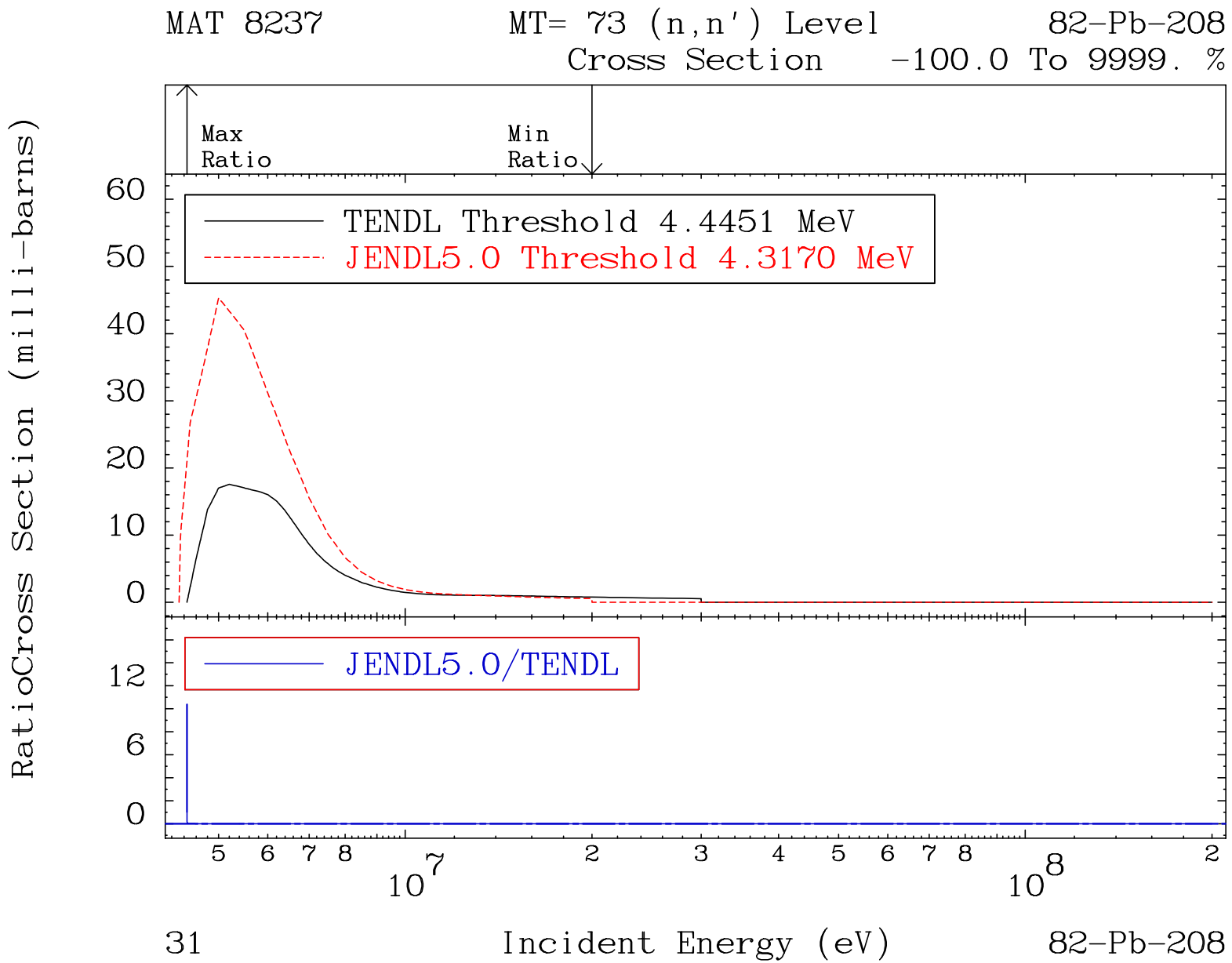

MAT 8237
MT= 68 (n,n') Level
82-Pb-208
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.2825 MeV
JENDL5.0 Threshold 4.2258 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
12
6
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
82-Pb-208

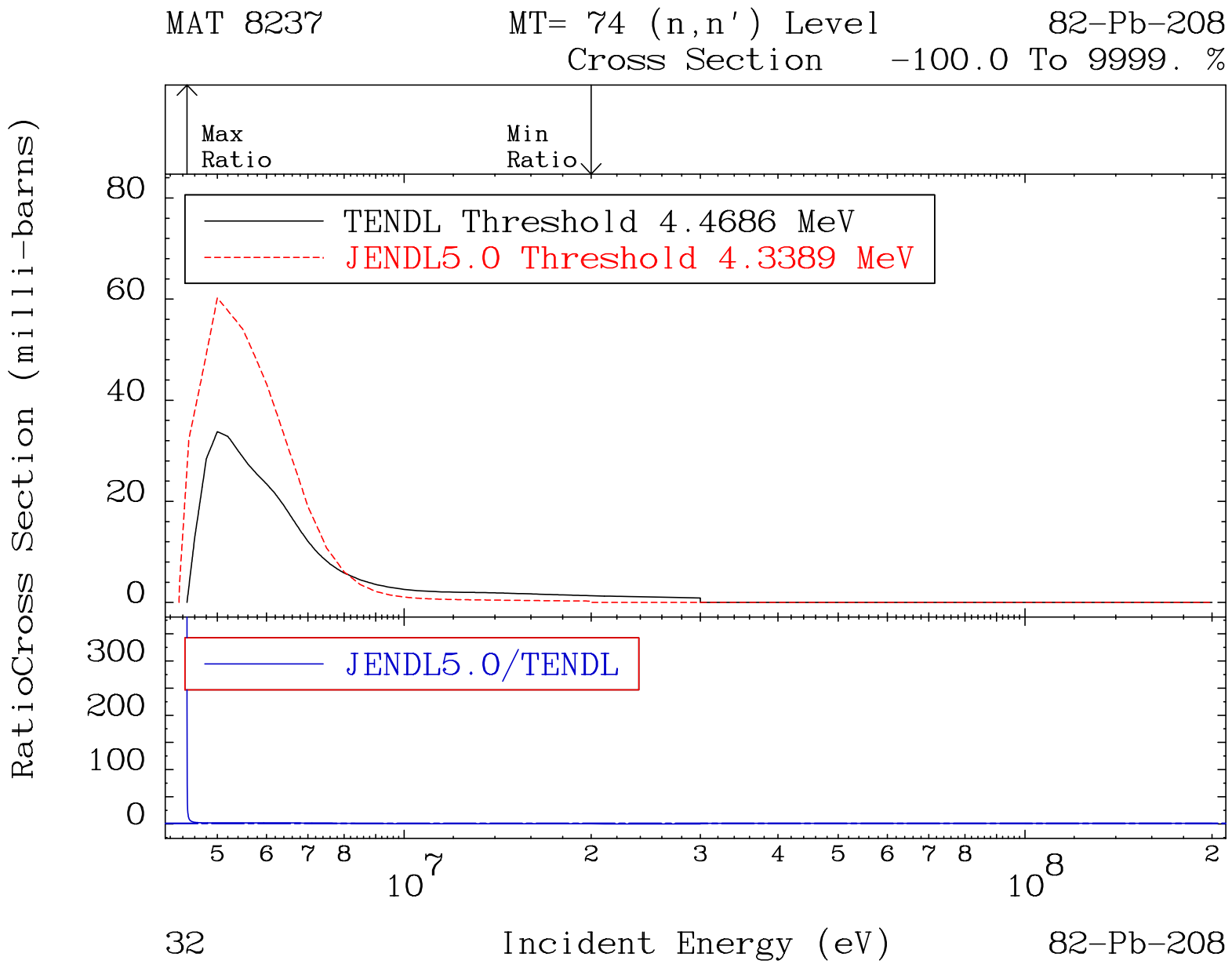

MAT 8237
MT= 69 (n,n') Level
82-Pb-208
Cross Section -100.0 To 4510. %
Max Ratio
Min Ratio
TENDL Threshold 4.3174 MeV
JENDL5.0 Threshold 4.2500 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
60
30
0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
27
82-Pb-208

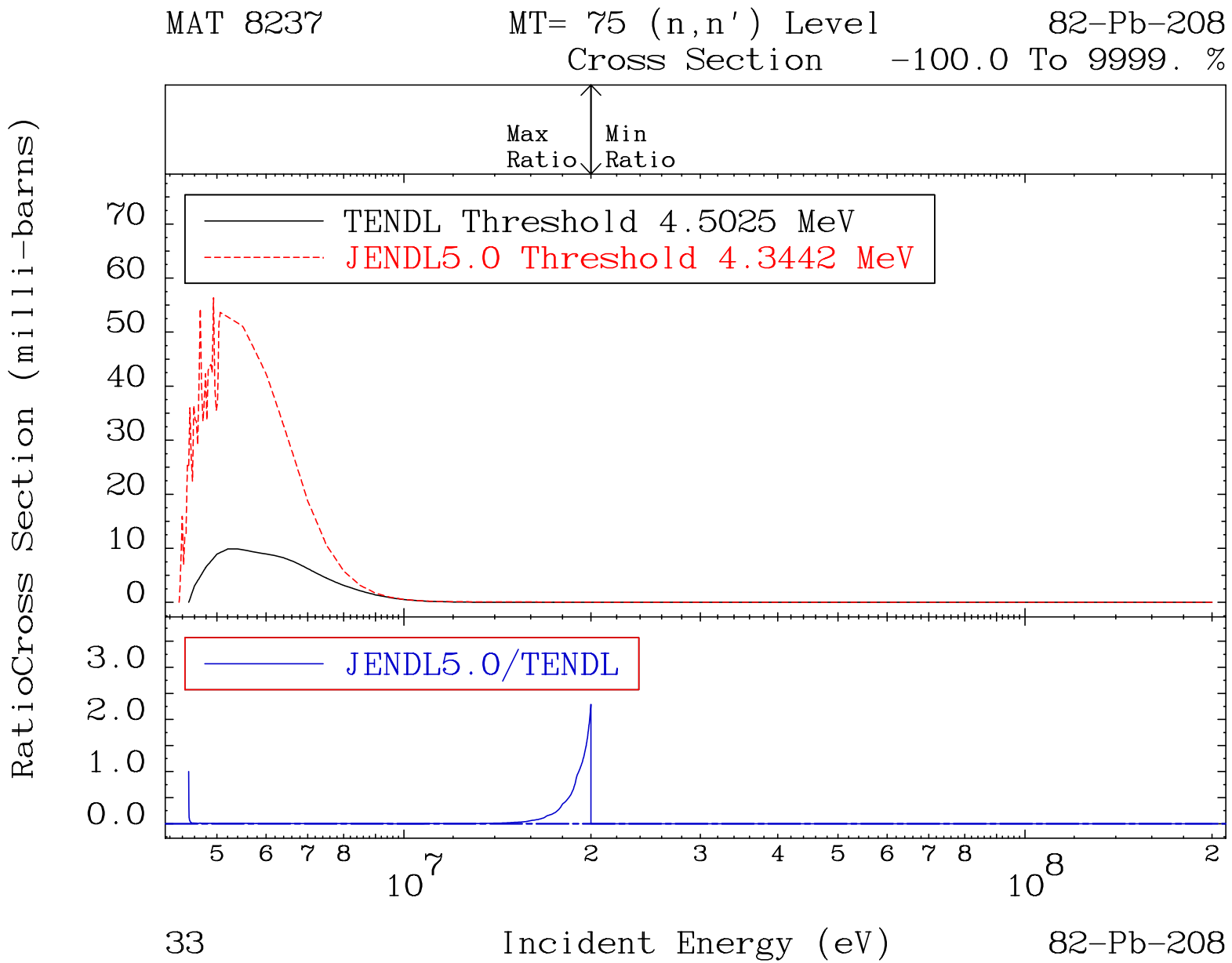

MAT 8237
MT= 70 (n,n') Level
82-Pb-208
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.3449 MeV
JENDL5.0 Threshold 4.2505 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
120
60
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
82-Pb-208

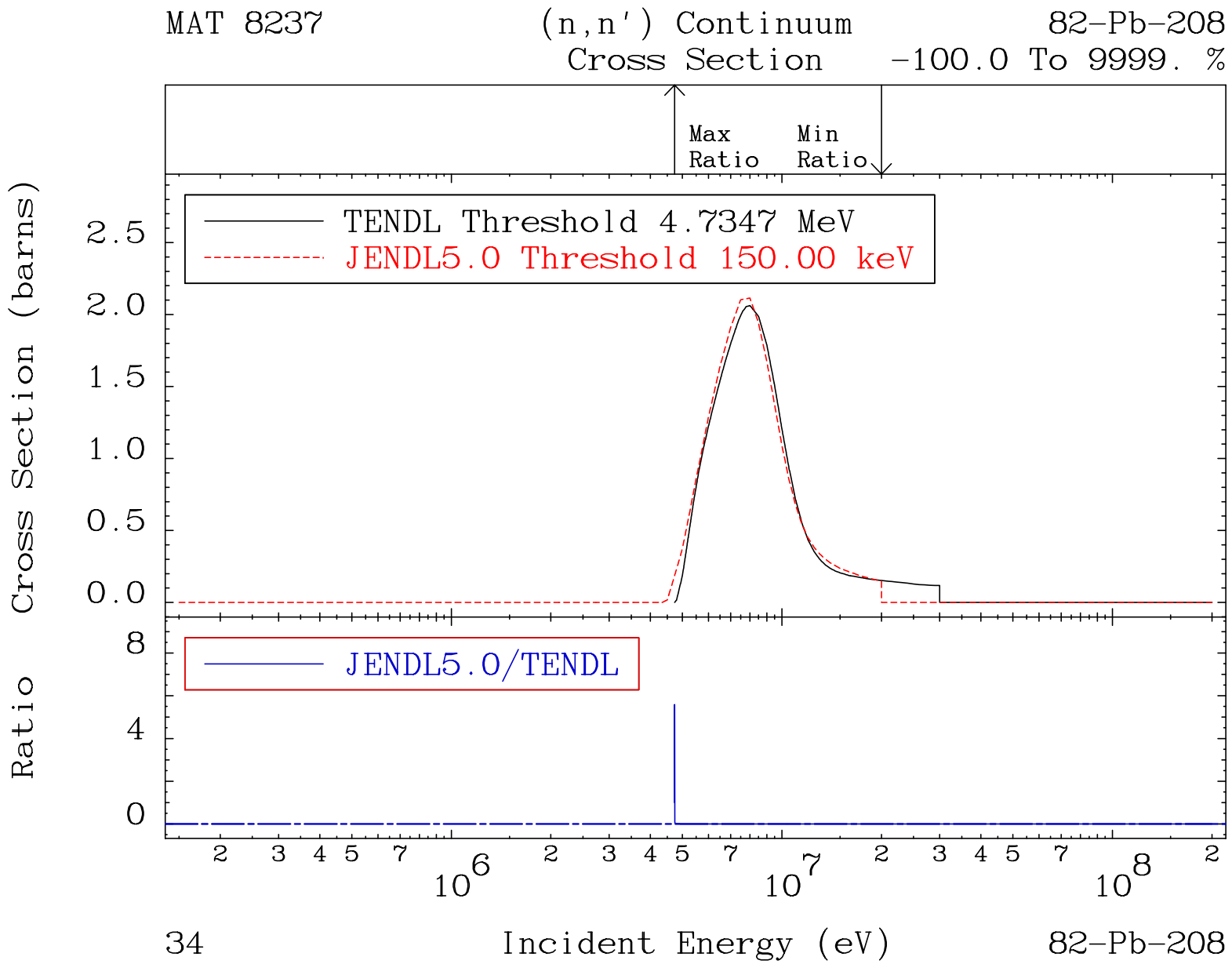

MAT 8237
MT= 71 (n,n') Level
82-Pb-208
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.3798 MeV
JENDL5.0 Threshold 4.2741 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
600
400
200
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
82-Pb-208

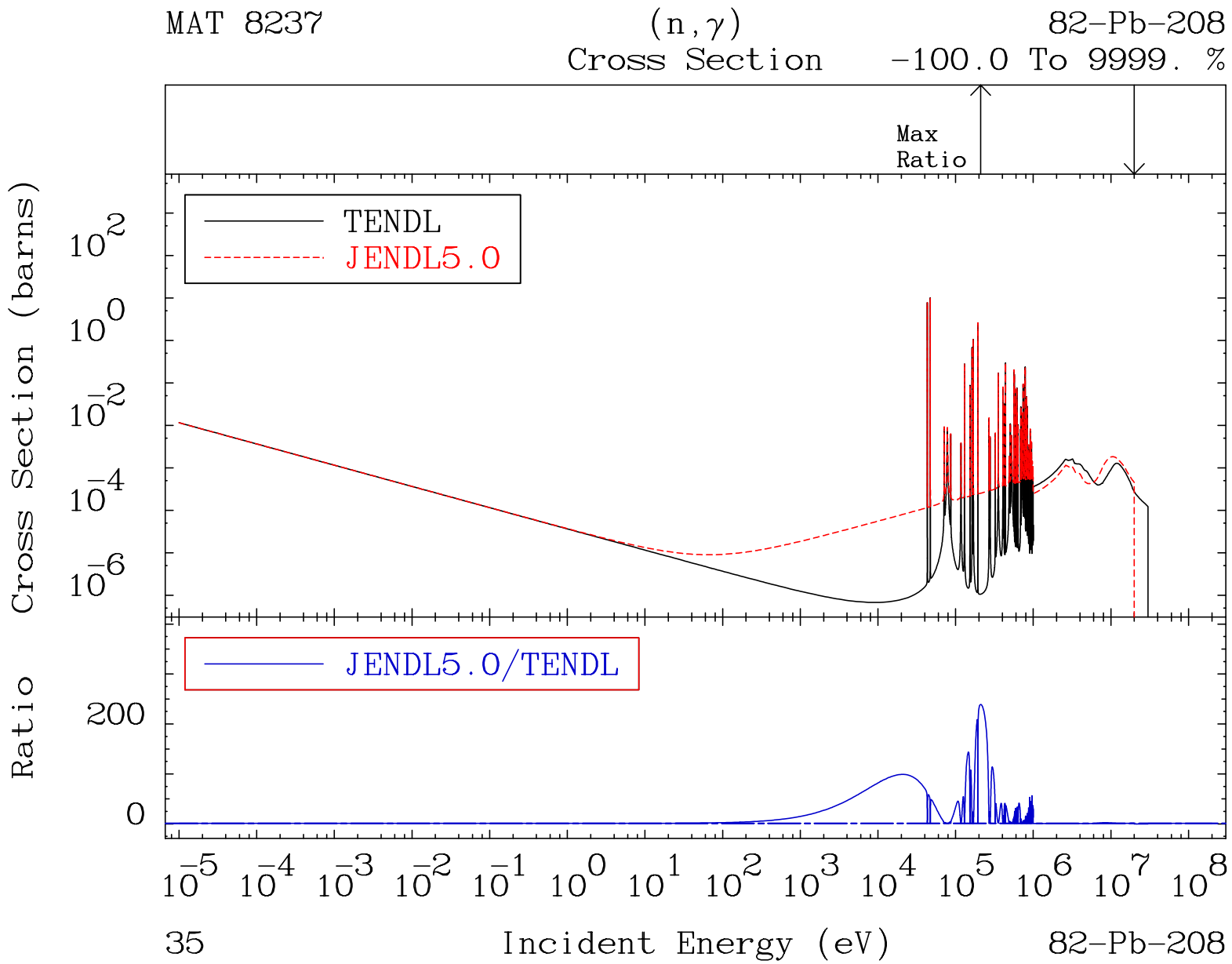

MAT 8237
MT= 72 (n,n') Level
82-Pb-208
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.4045 MeV
JENDL5.0 Threshold 4.2831 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
20
10
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
82-Pb-208

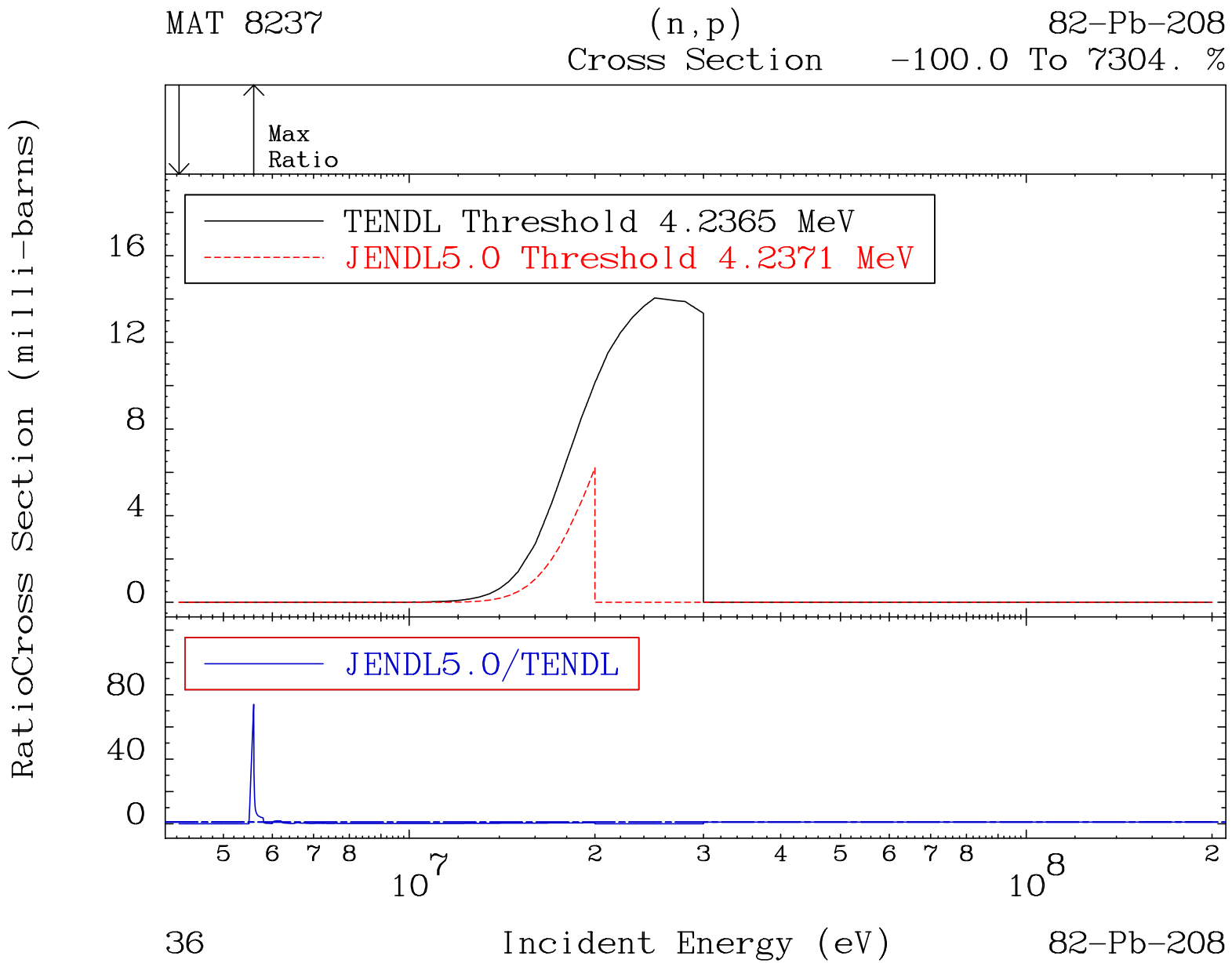

MAT 8237
MT= 73 (n,n') Level
82-Pb-208
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.4451 MeV
JENDL5.0 Threshold 4.3170 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
12
6
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
31
Incident Energy (eV)
82-Pb-208

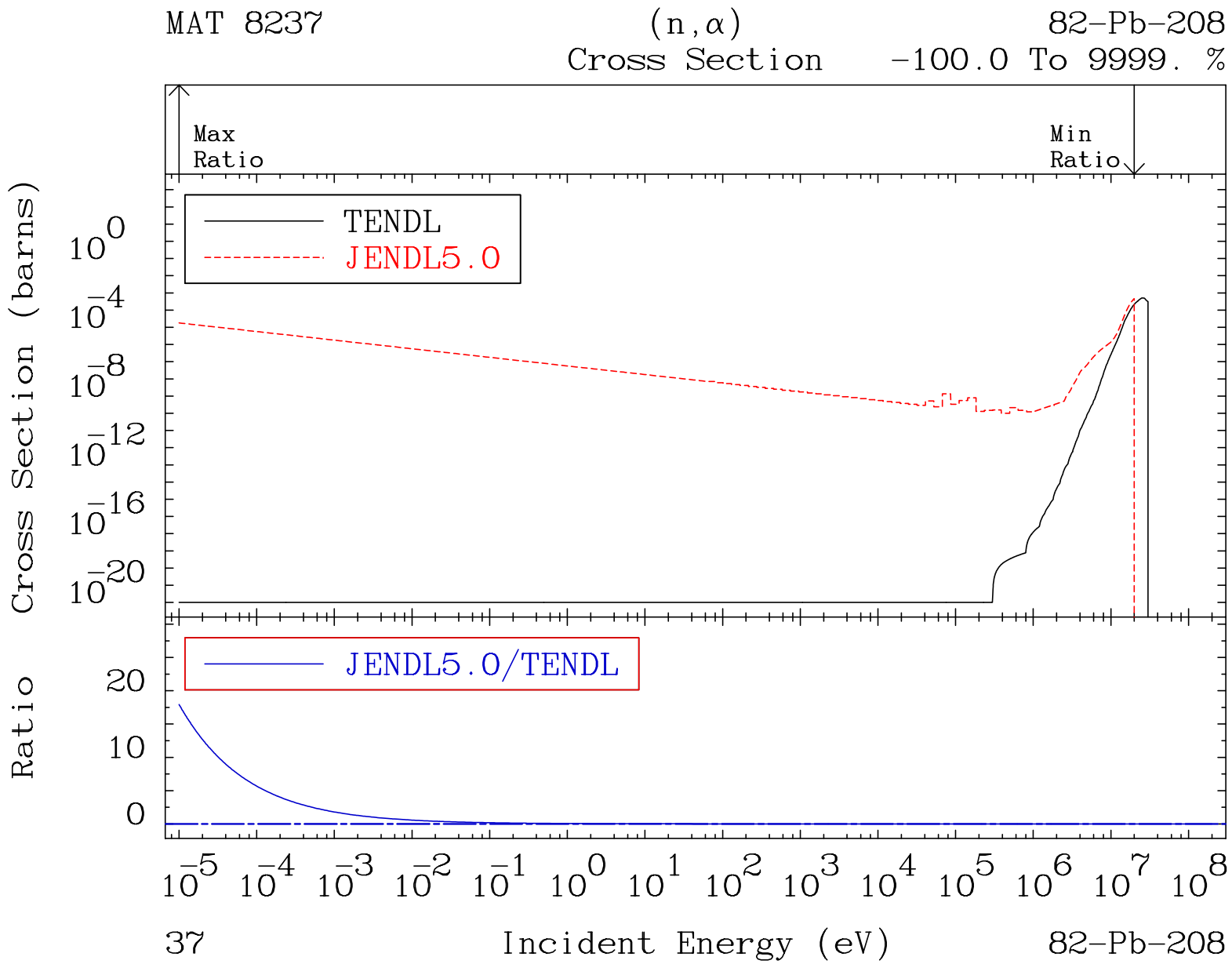

MAT 8237
MT= 74 (n,n') Level
82-Pb-208
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.4686 MeV
JENDL5.0 Threshold 4.3389 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
300
200
100
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
82-Pb-208

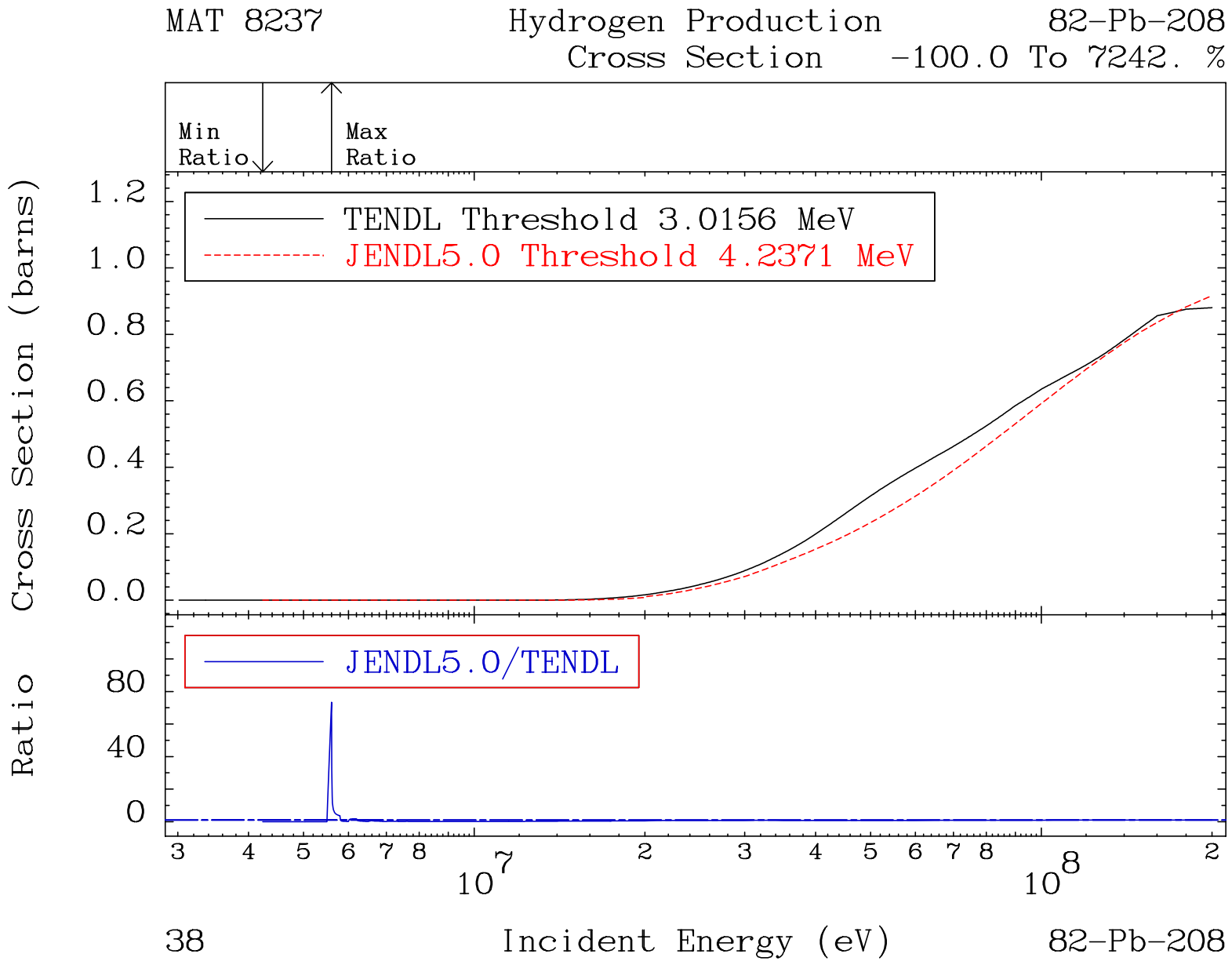

MAT 8237
MT= 75 (n,n') Level
82-Pb-208
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.5025 MeV
JENDL5.0 Threshold 4.3442 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
3.0
2.0
1.0
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
33
Incident Energy (eV)
82-Pb-208

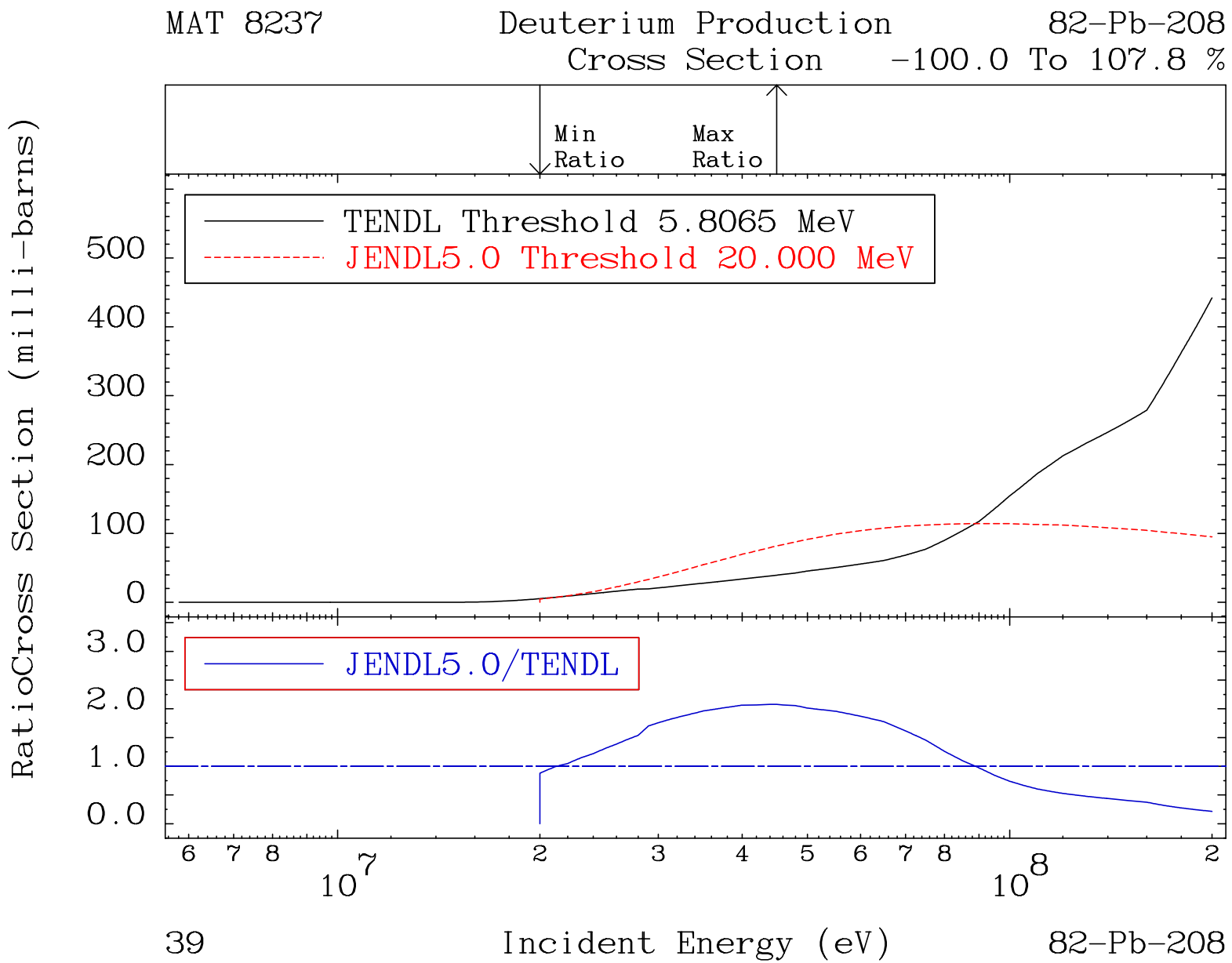

MAT 8237
(n,n') Continuum
Cross Section
82-Pb-208
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.7347 MeV
JENDL5.0 Threshold 150.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
8
4
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
34
Incident Energy (eV)
82-Pb-208

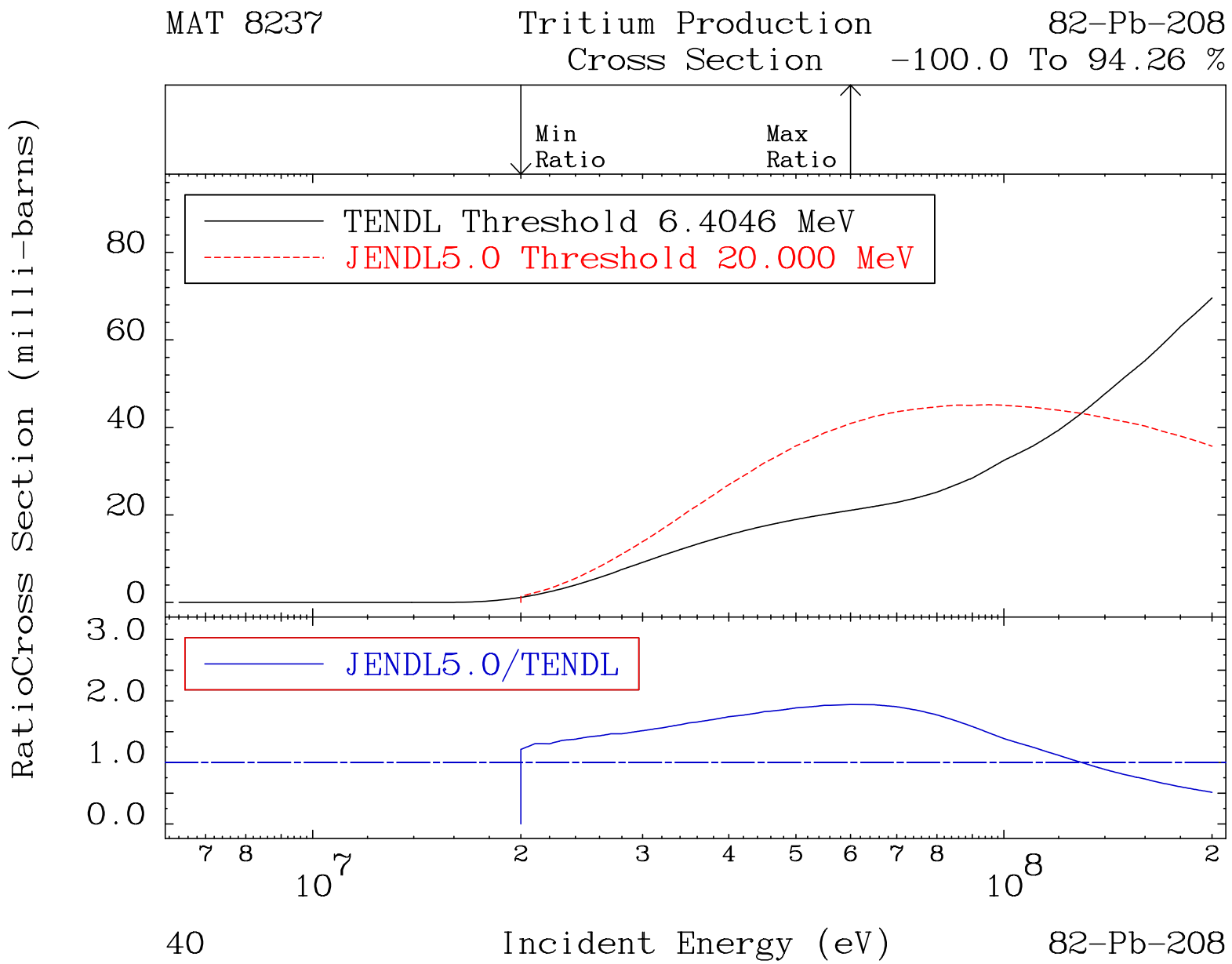

MAT 8237
(n,γ)
Cross Section
82-Pb-208
-100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
35
82-Pb-208

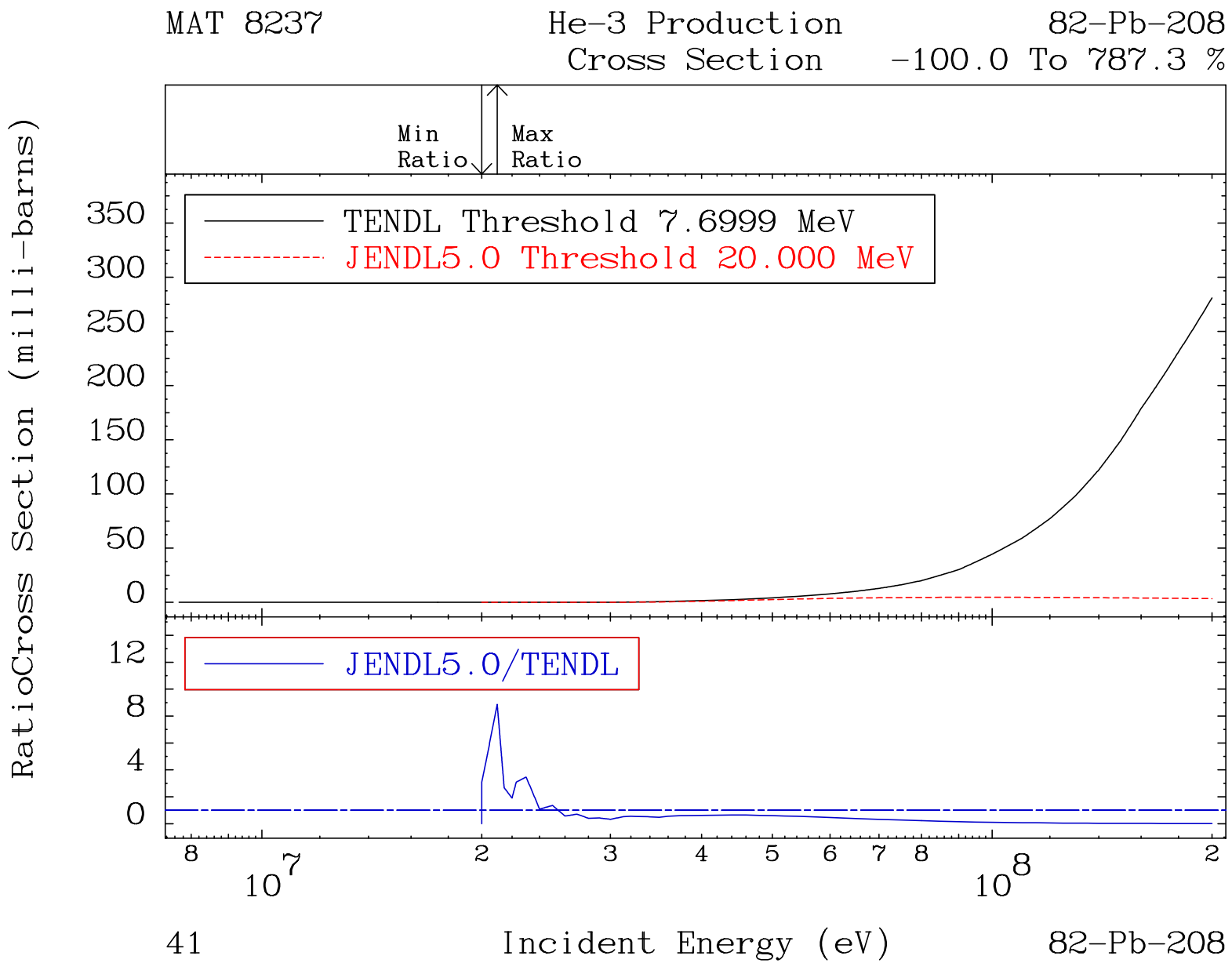

MAT 8237
(n,p)
82-Pb-208
Cross Section
-100.0 To 7304. %
Max
Ratio
TENDL Threshold 4.2365 MeV
JENDL5.0 Threshold 4.2371 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
80
40
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
36
Incident Energy (eV)
82-Pb-208

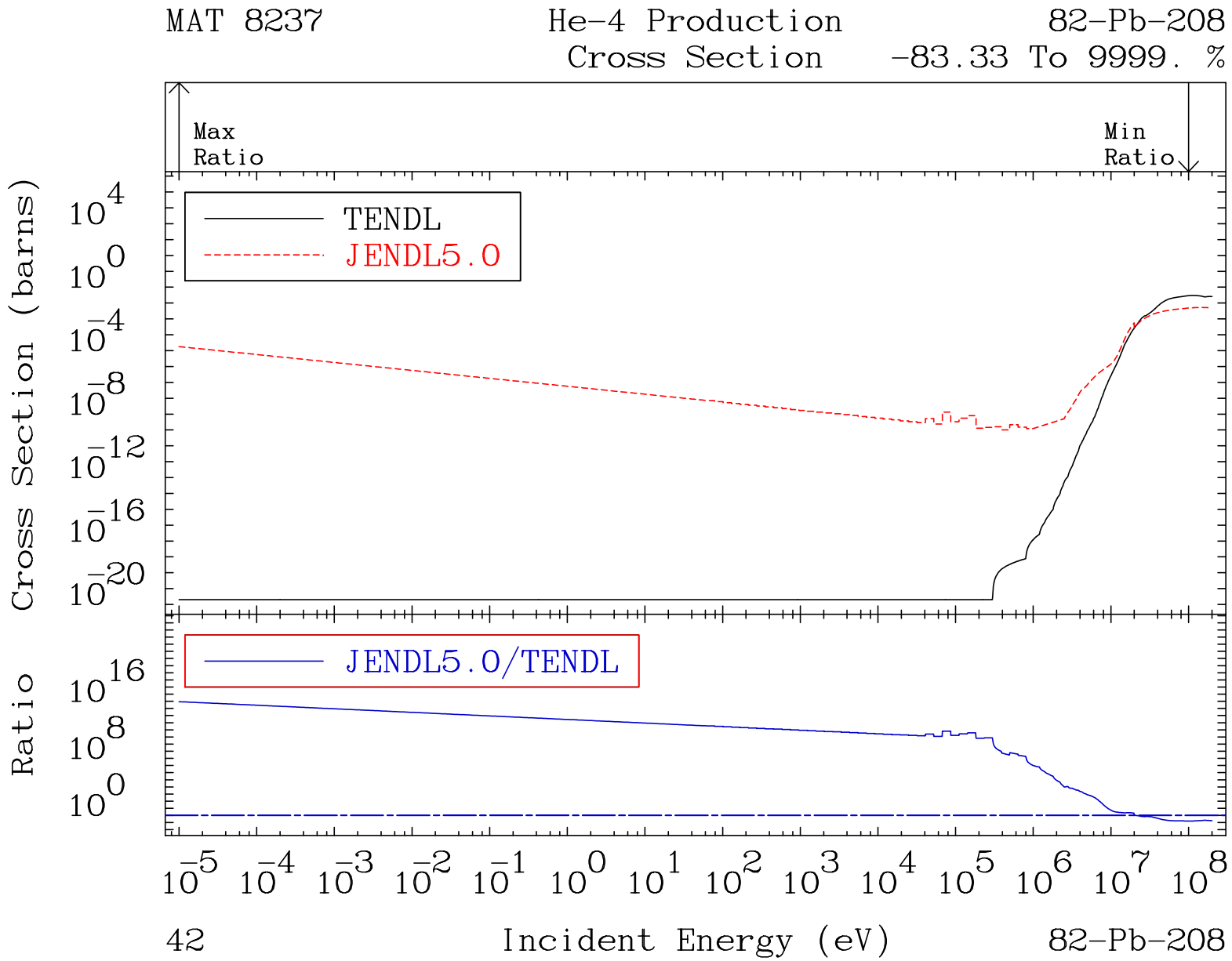

MAT 8237
(n,α)
Cross Section
82-Pb-208
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
37
82-Pb-208

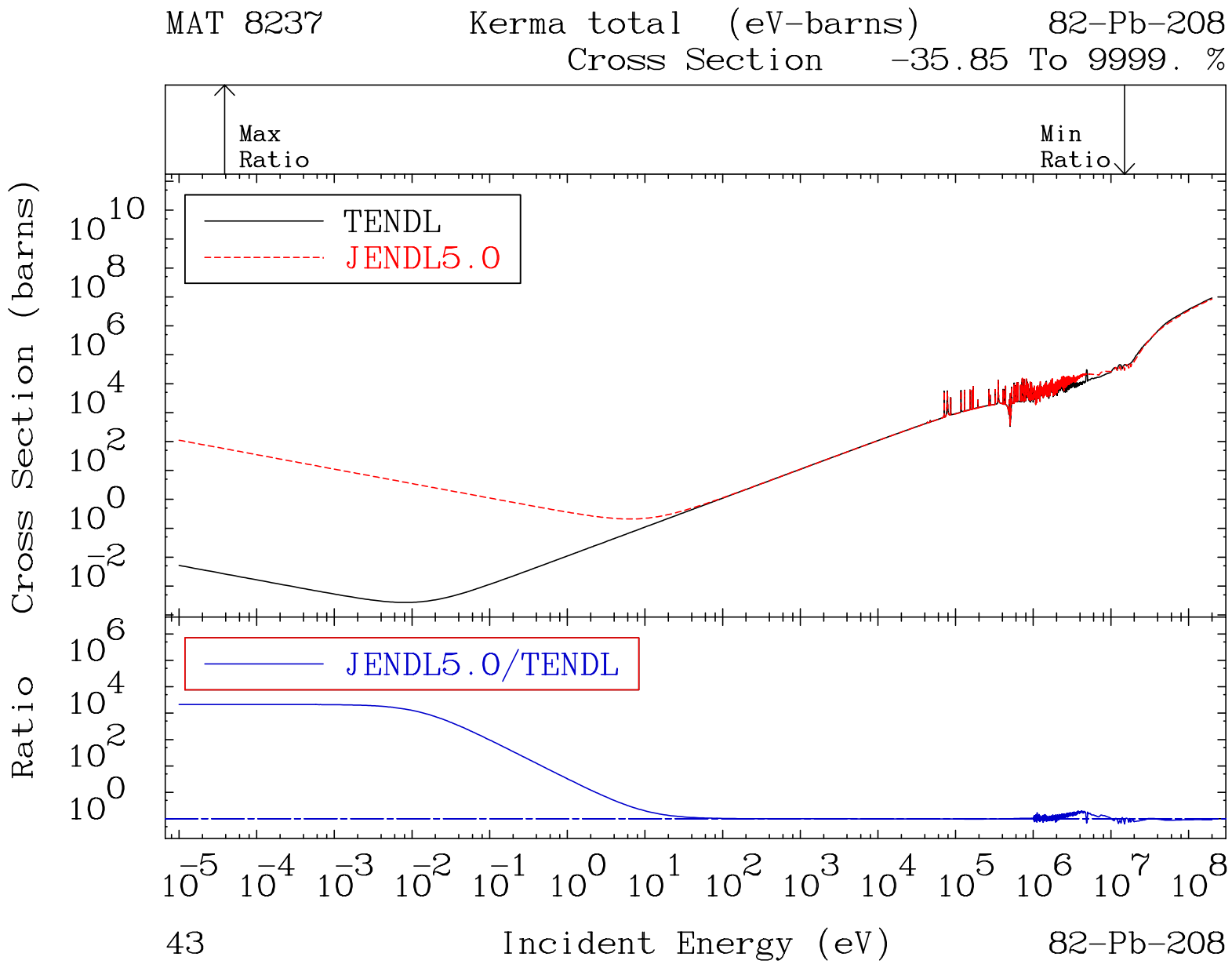

MAT 8237
Hydrogen Production
82-Pb-208
Cross Section
-100.0 To 7242. %
Min Ratio
Max Ratio
TENDL Threshold 3.0156 MeV
JENDL5.0 Threshold 4.2371 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
80
40
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
38
Incident Energy (eV)
82-Pb-208

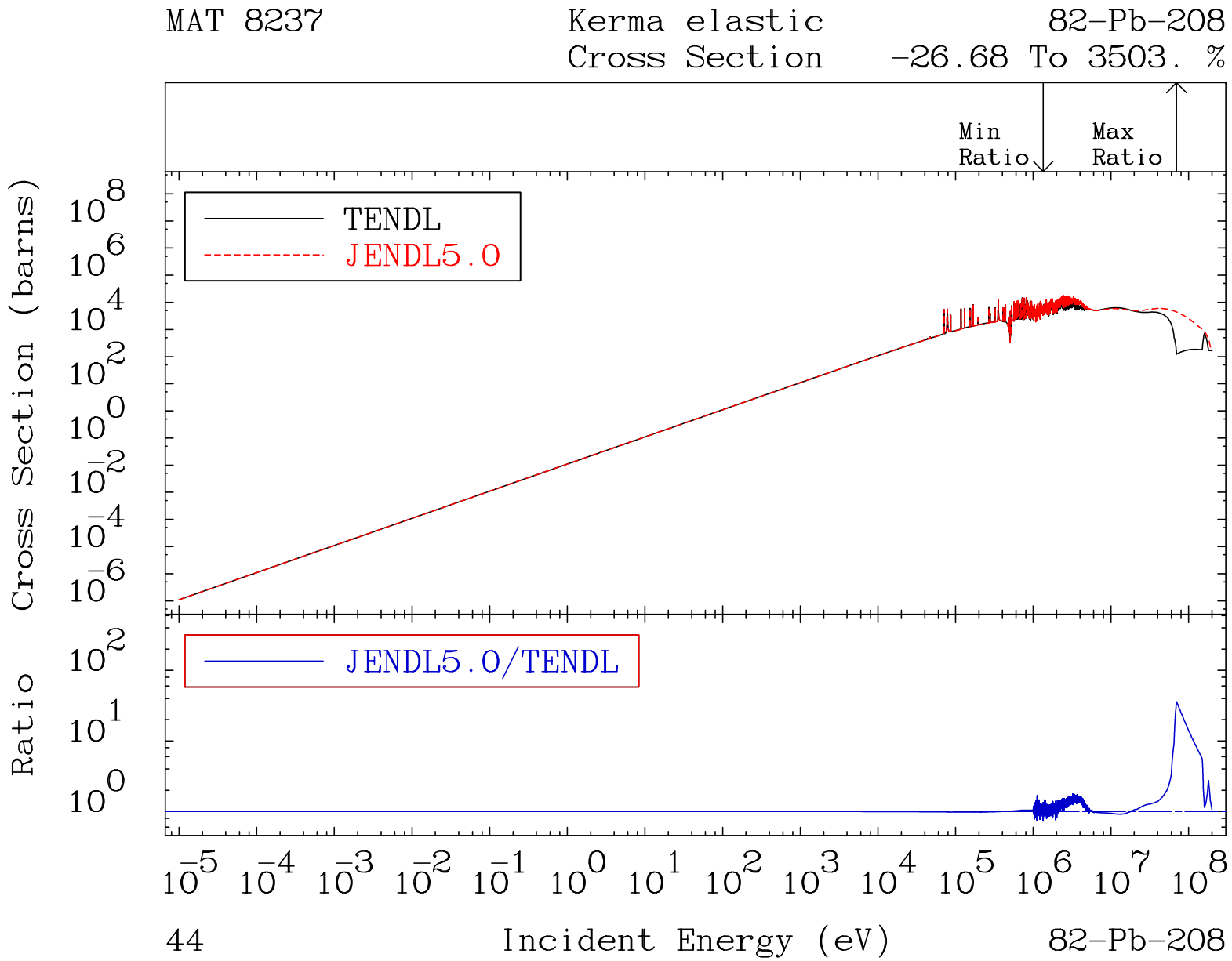

MAT 8237
Deuterium Production
82-Pb-208
Cross Section
-100.0 To 107.8 %
Min Ratio
Max Ratio
TENDL Threshold 5.8065 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
3.0
2.0
1.0
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
39
Incident Energy (eV)
82-Pb-208

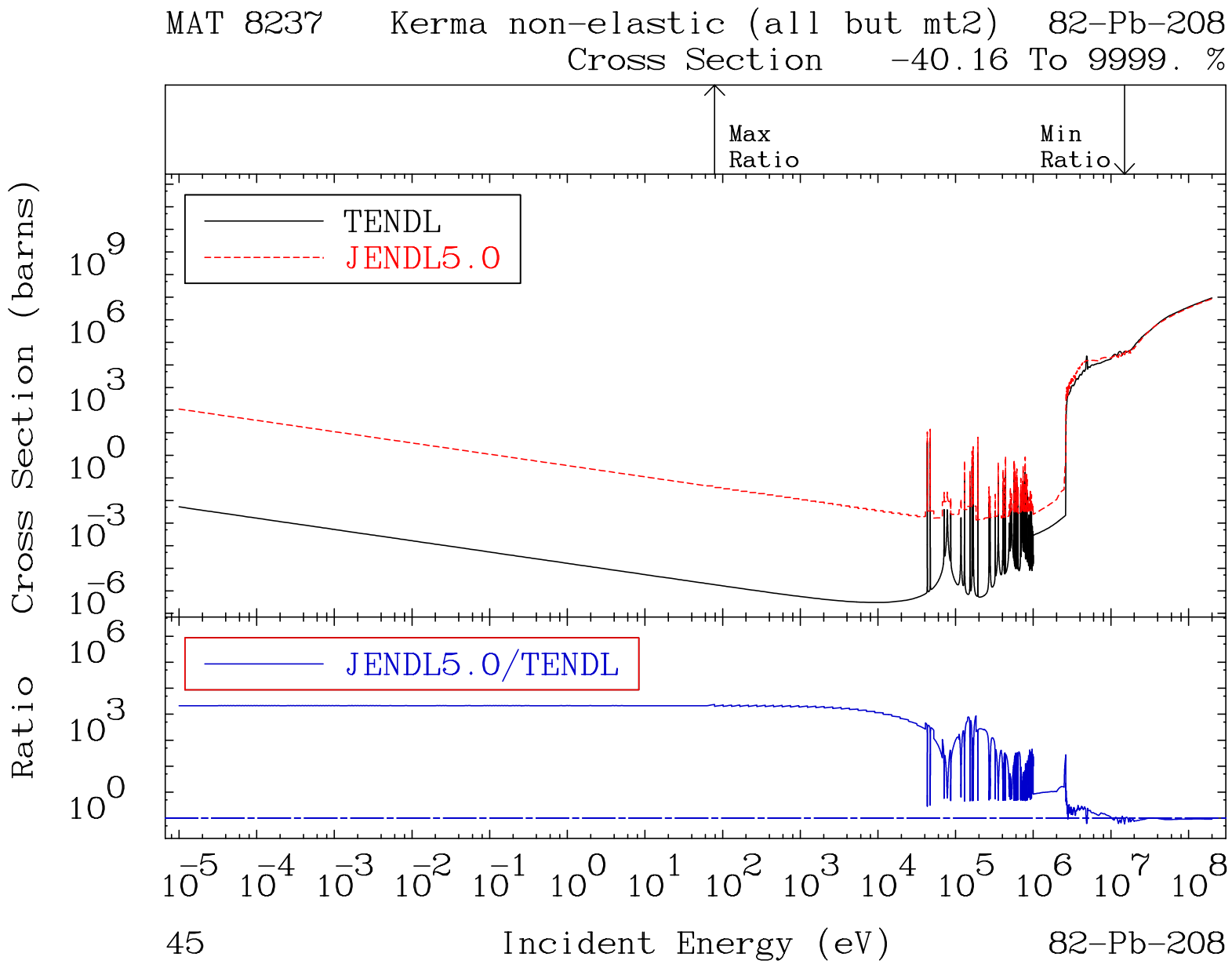

MAT 8237
Tritium Production
Cross Section
82-Pb-208
-100.0 To 94.26 %
Min Ratio
Max Ratio
TENDL Threshold 6.4046 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
3.0
2.0
1.0
0.0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
40
Incident Energy (eV)
82-Pb-208

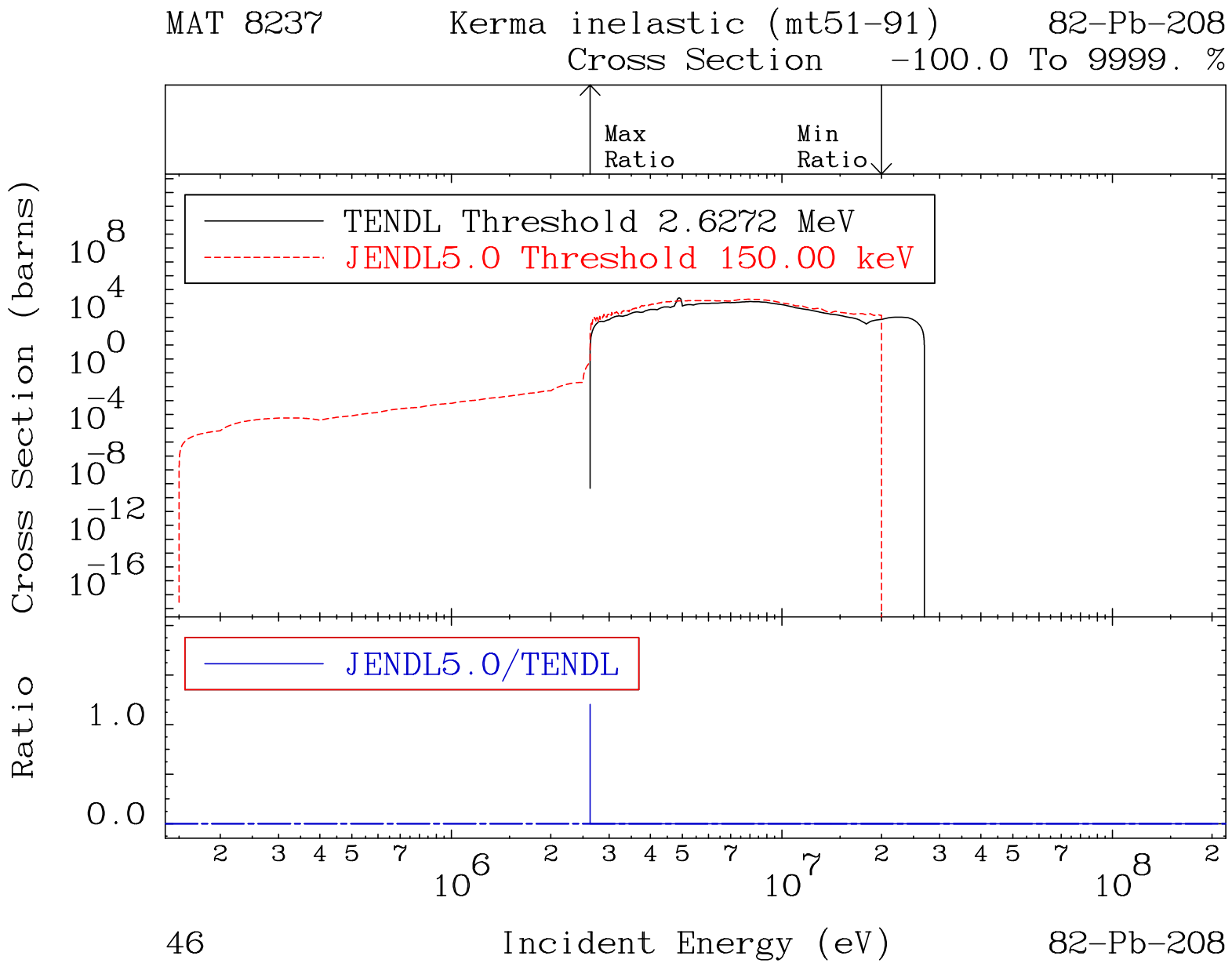

MAT 8237
He-3 Production
Cross Section
82-Pb-208
-100.0 To 787.3 %
Min Ratio
Max Ratio
TENDL Threshold 7.6999 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
12
8
4
0
8
2
3
4
5
6
7
8
2
10^7
10^8
41
Incident Energy (eV)
82-Pb-208

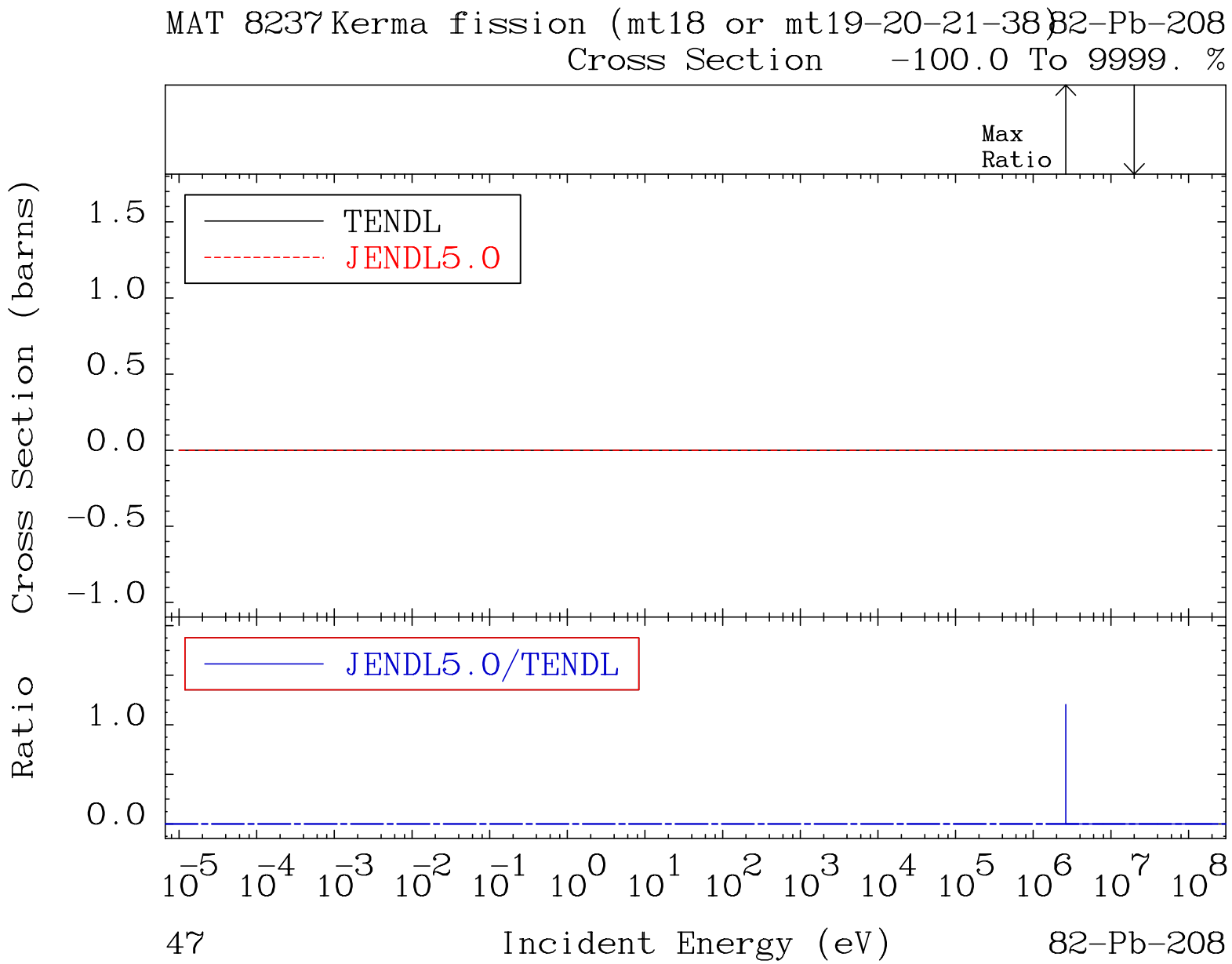

MAT 8237
He-4 Production
Cross Section
82-Pb-208
-83.33 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
42
82-Pb-208

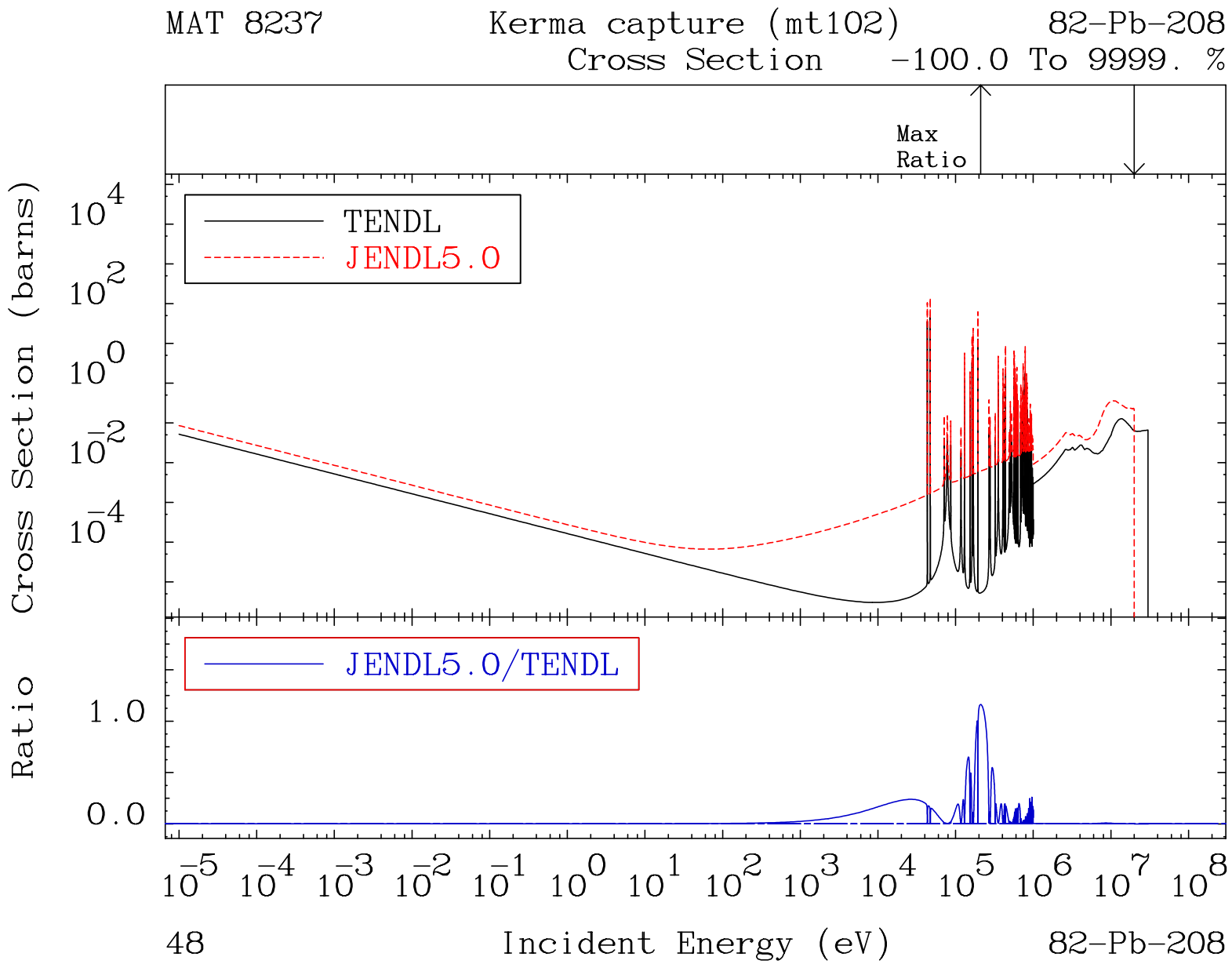

MAT 8237
Kerma total (eV-barns)
82-Pb-208
Cross Section -35.85 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
43
82-Pb-208

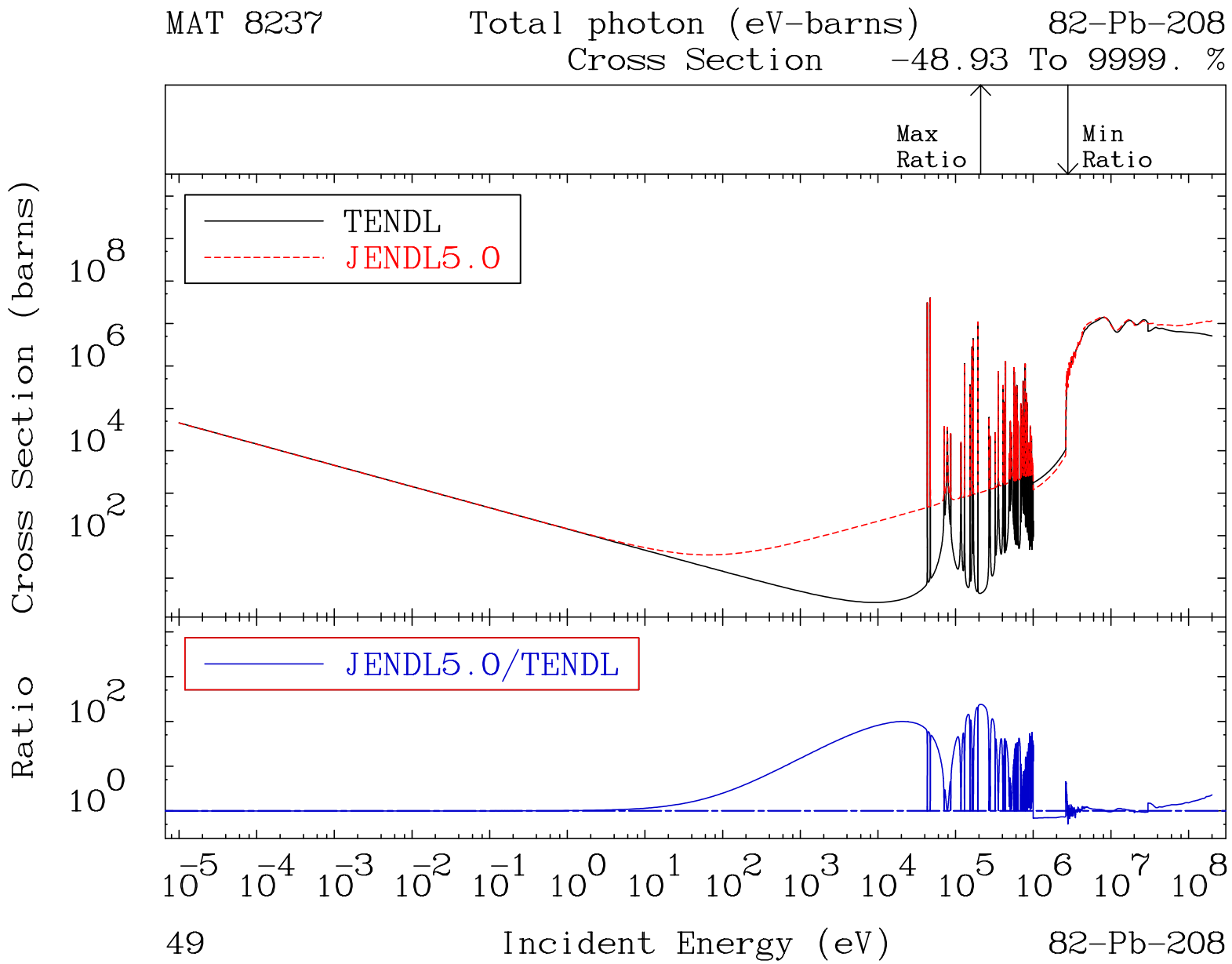

MAT 8237
Kerma elastic
Cross Section
82-Pb-208
-26.68 To 3503. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
44
82-Pb-208

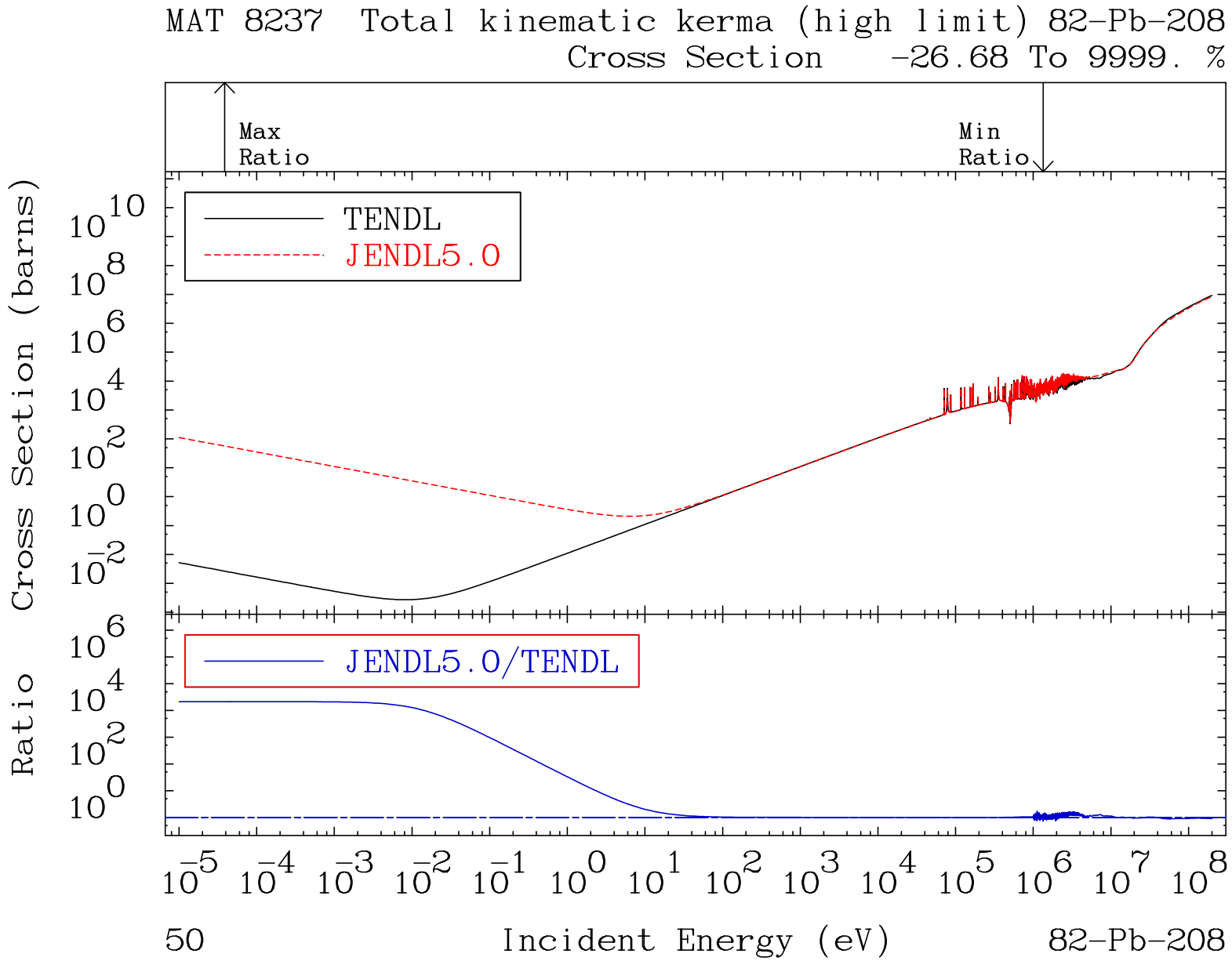

MAT 8237 Kerma non-elastic (all but mt2) 82-Pb-208
Cross Section -40.16 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
45
82-Pb-208

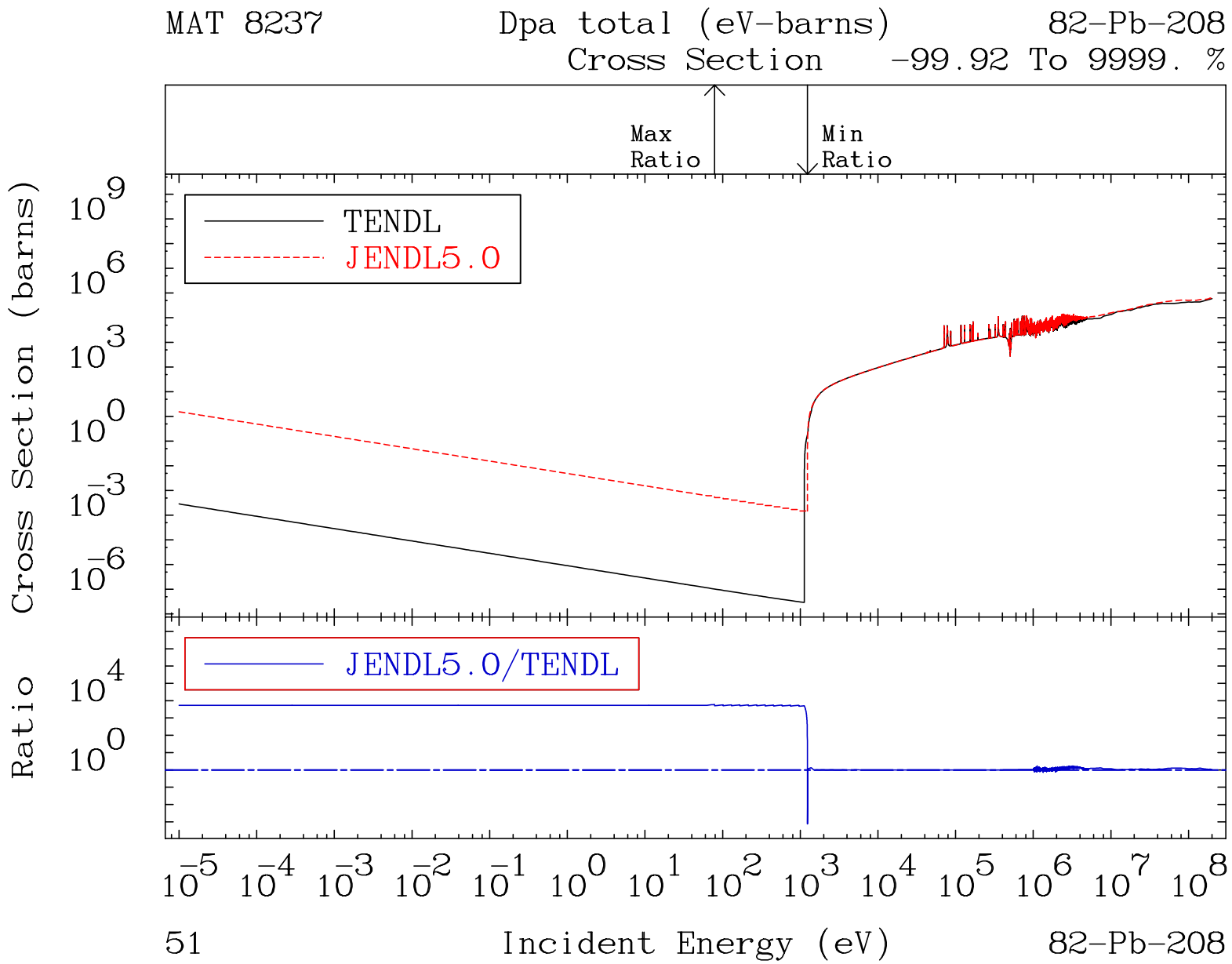

MAT 8237
Kerma inelastic (mt51-91)
82-Pb-208
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.6272 MeV
JENDL5.0 Threshold 150.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
46
82-Pb-208

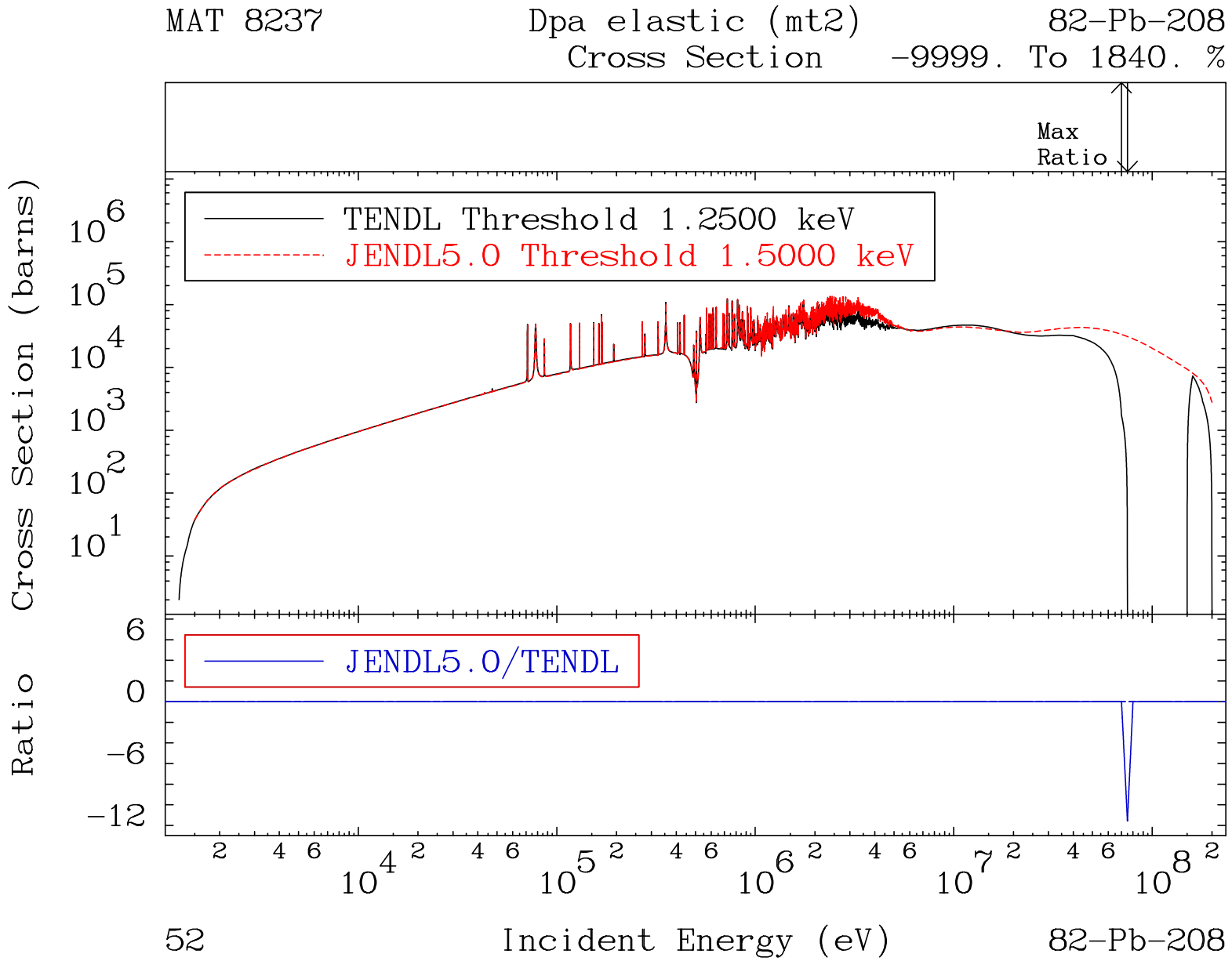

MAT 8237 Kerma fission (mt18 or mt19-20-21-38) 82-Pb-208
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
1.0
0.0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
47
Incident Energy (eV)
82-Pb-208

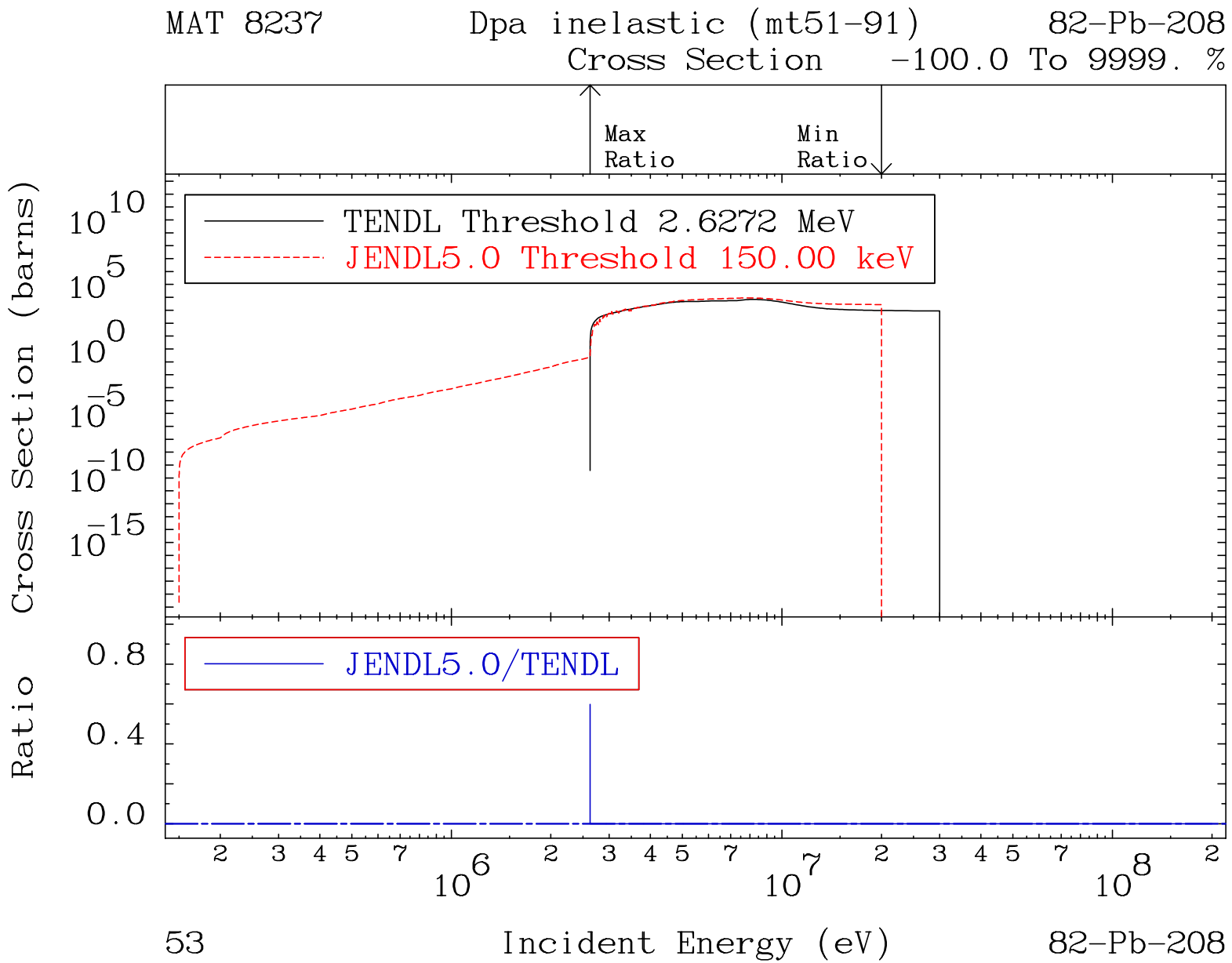

MAT 8237
Kerma capture (mt102)
82-Pb-208
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48
82-Pb-208

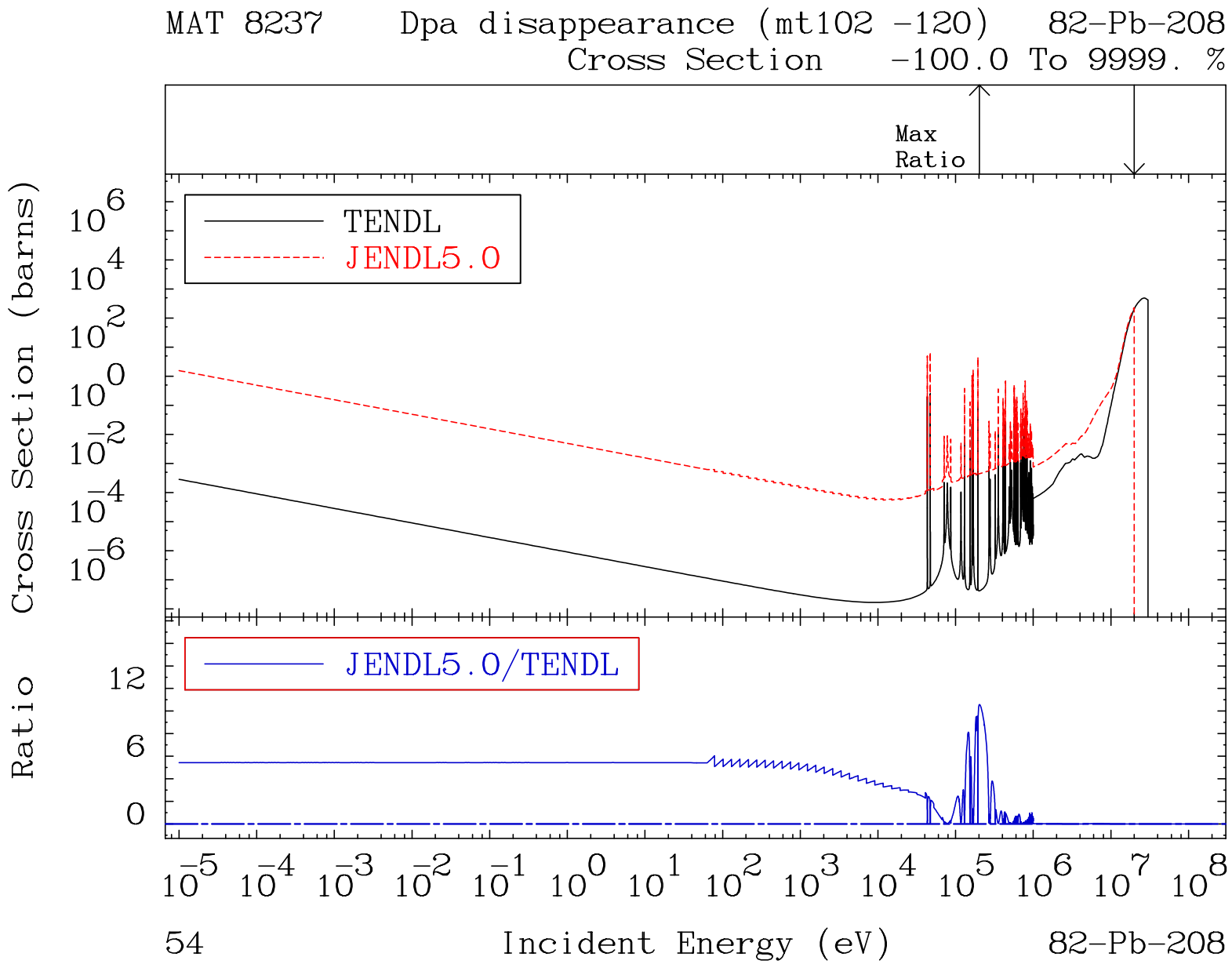

MAT 8237
Total photon (eV-barns)
82-Pb-208
Cross Section -48.93 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
49
82-Pb-208

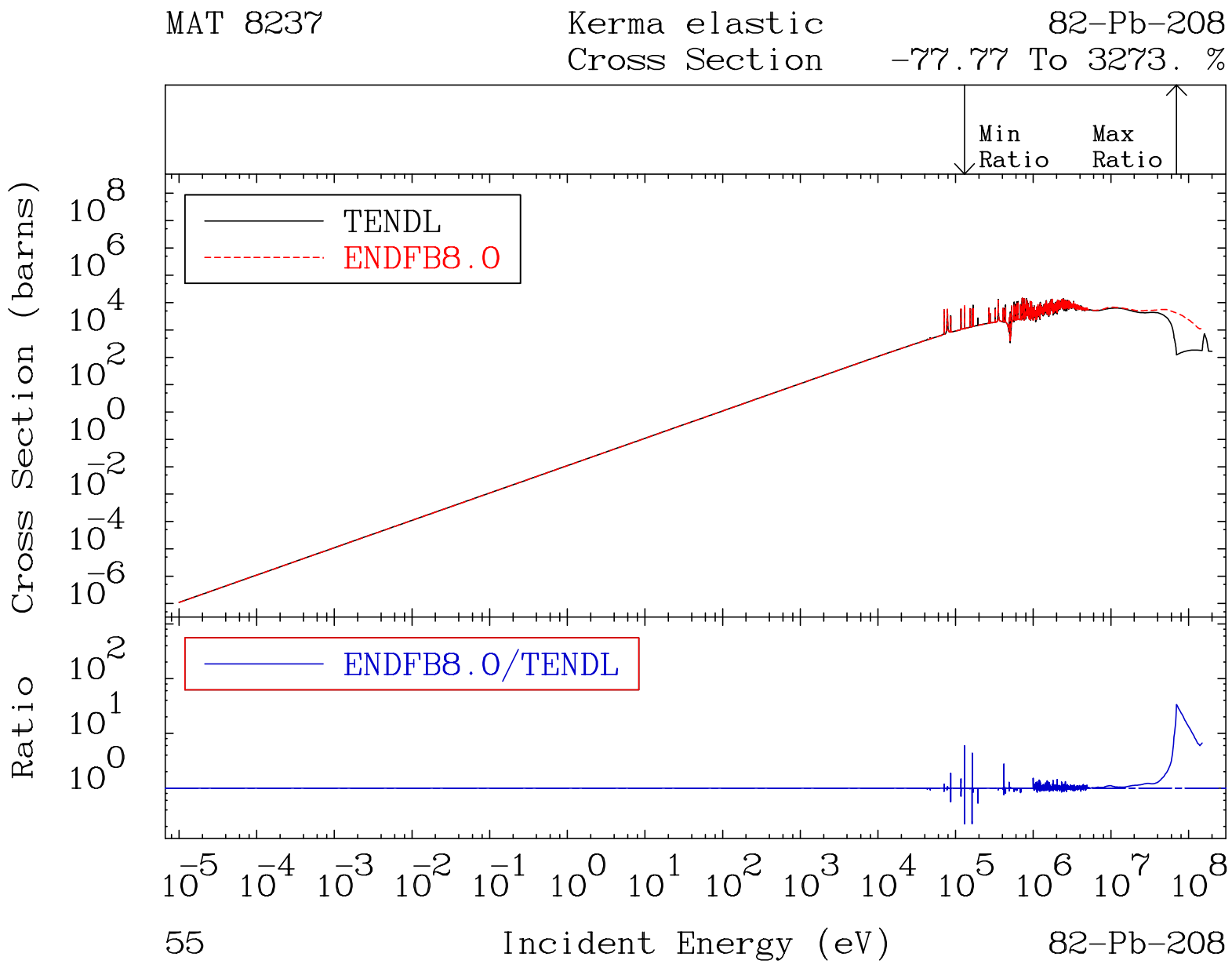

MAT 8237 Total kinematic kerma (high limit) 82-Pb-208
Cross Section -26.68 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
50
82-Pb-208

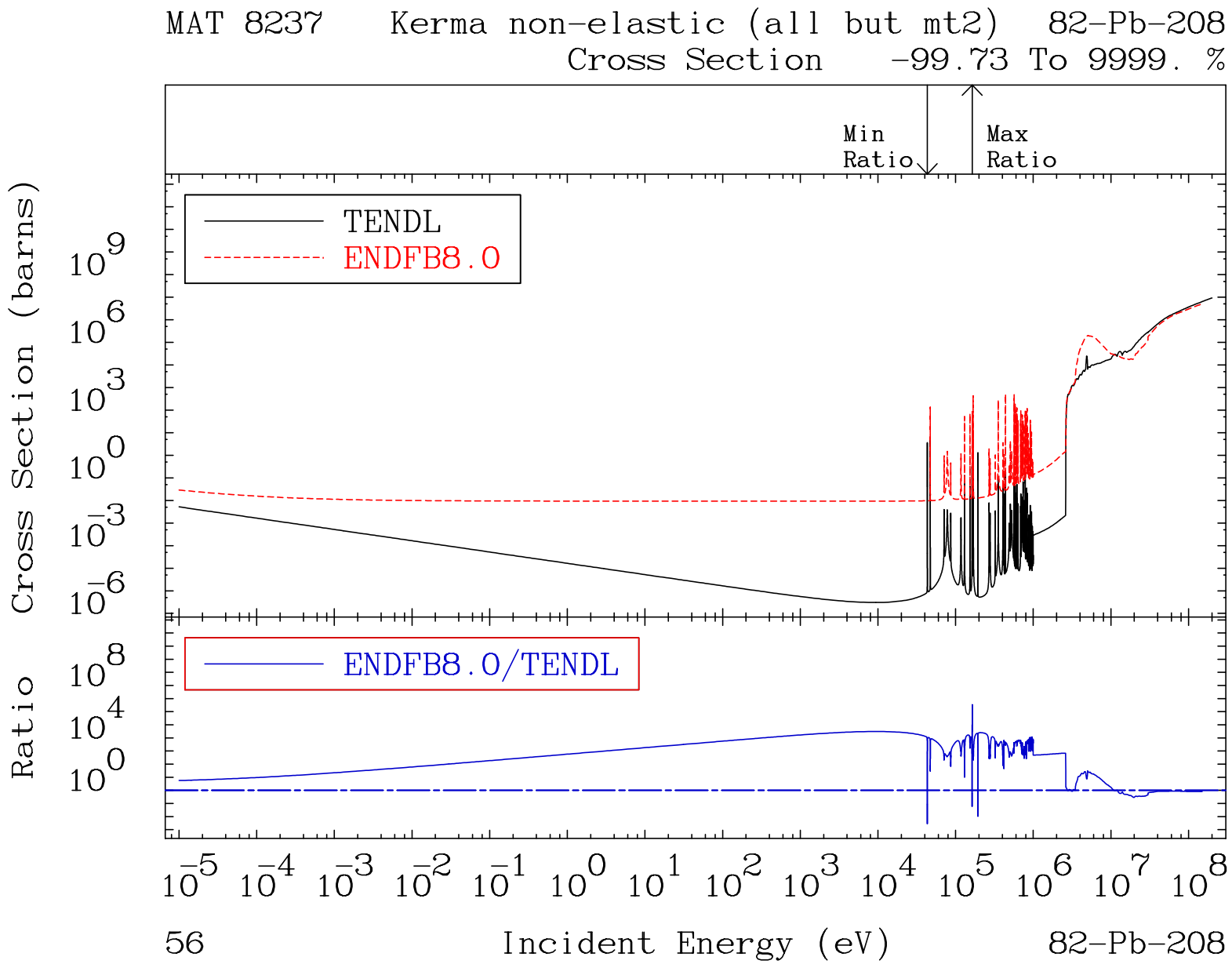

MAT 8237
Dpa total (eV-barns)
82-Pb-208
Cross Section -99.92 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
82-Pb-208

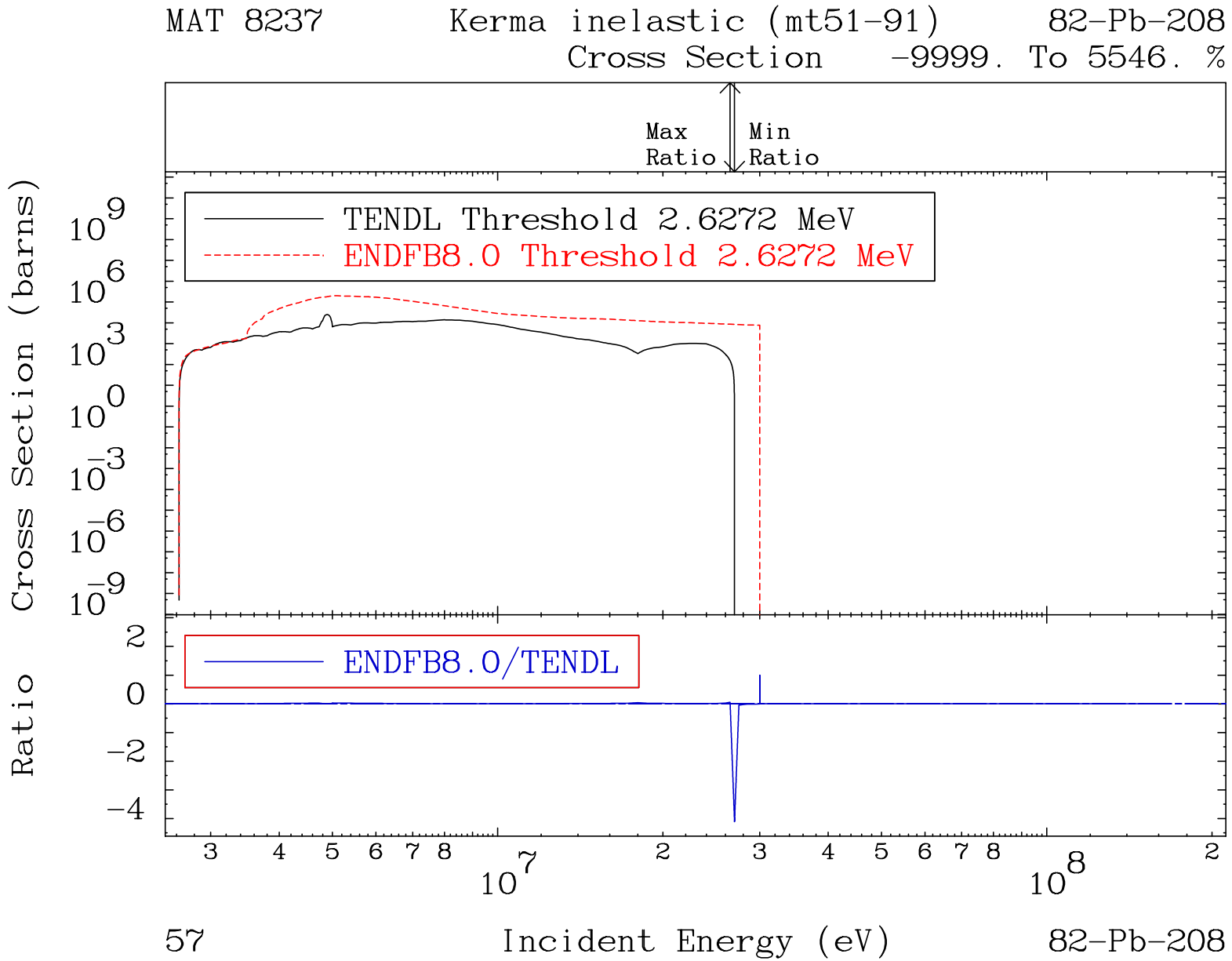

MAT 8237
Dpa elastic (mt2)
Cross Section
82-Pb-208
-9999. To 1840. %
Max
Ratio
TENDL Threshold 1.2500 keV
JENDL5.0 Threshold 1.5000 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
52
82-Pb-208

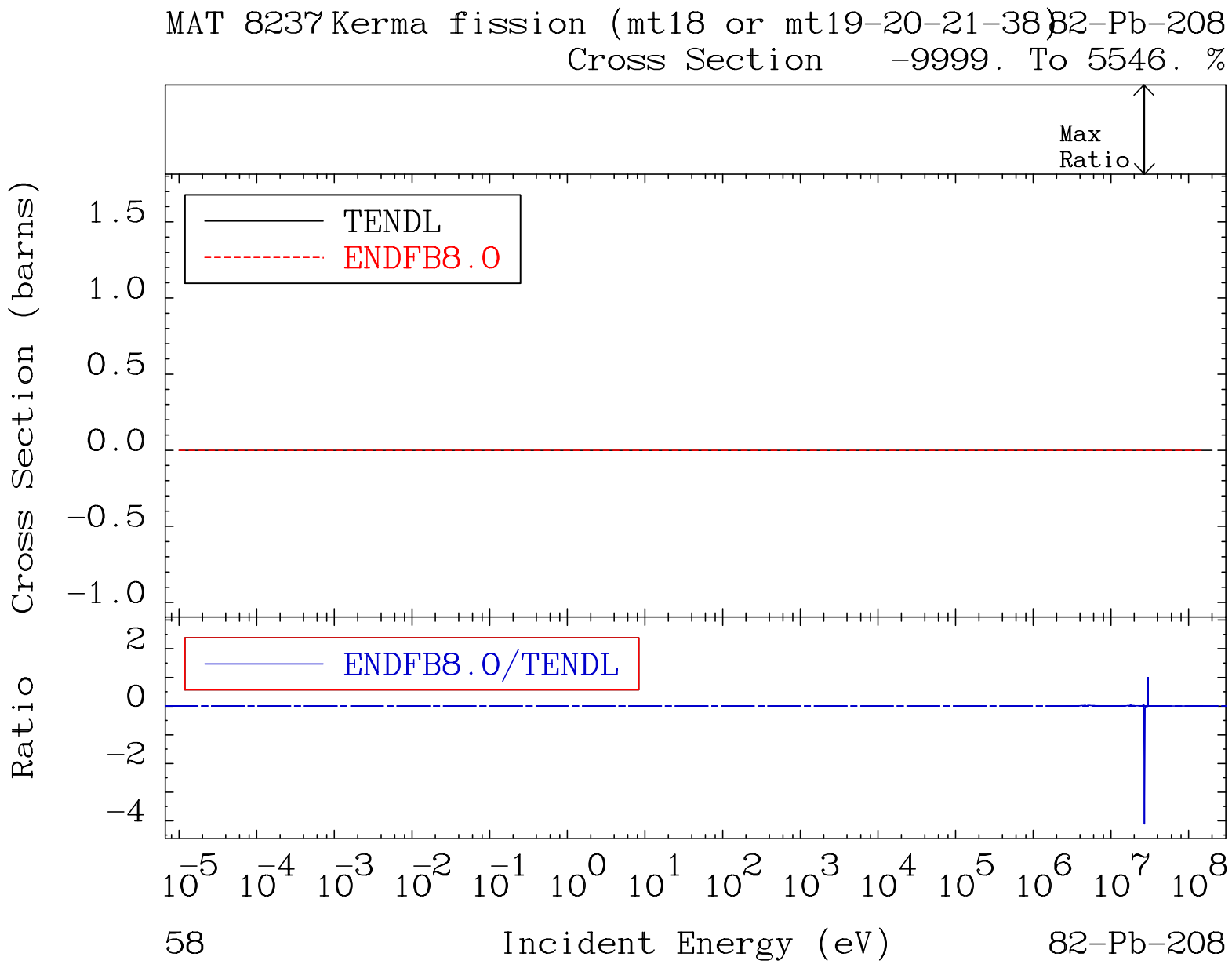

MAT 8237
Dpa inelastic (mt51-91)
82-Pb-208
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.6272 MeV
JENDL5.0 Threshold 150.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
53
82-Pb-208

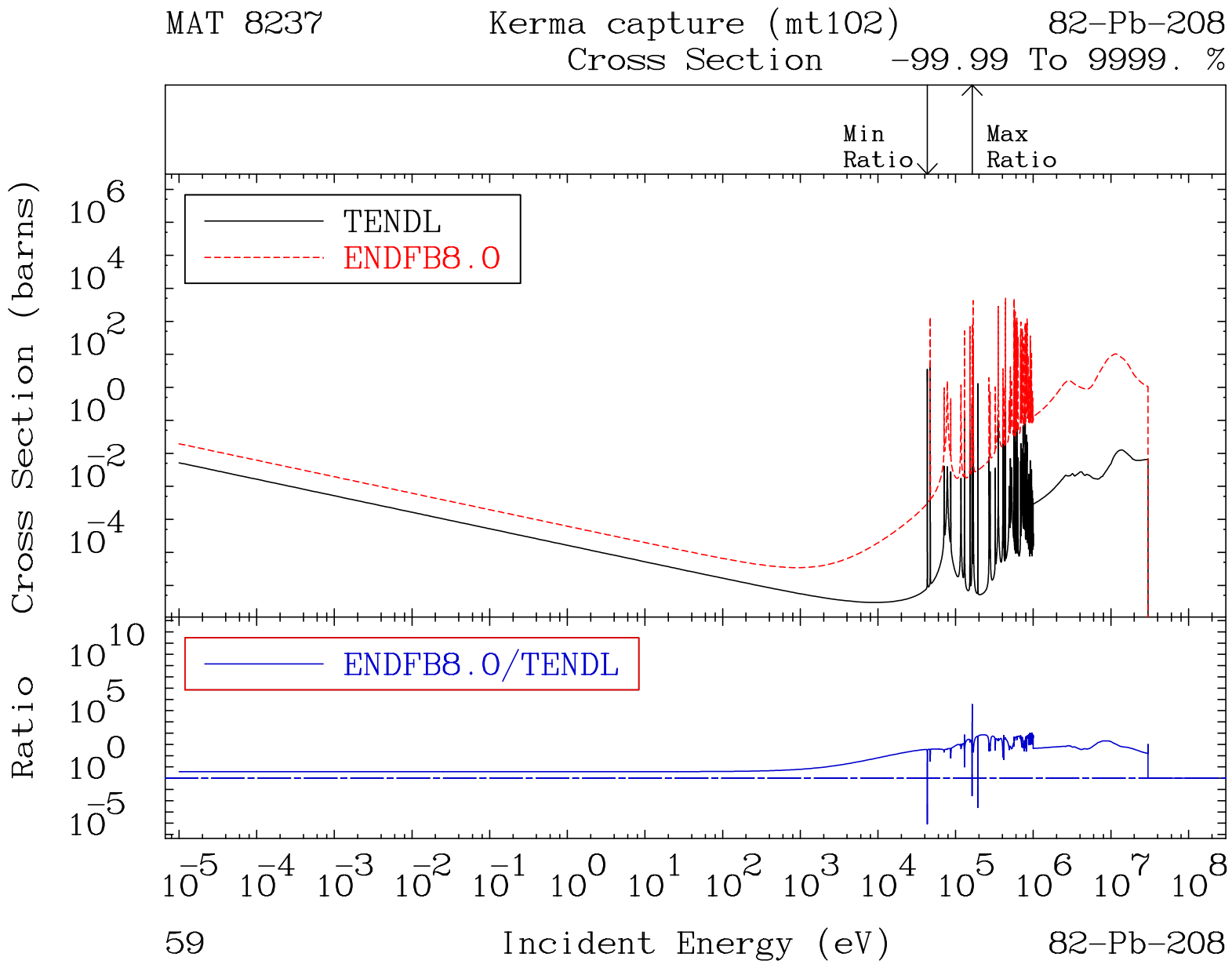

MAT 8237 Dpa disappearance (mt102 -120) 82-Pb-208
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
54
82-Pb-208

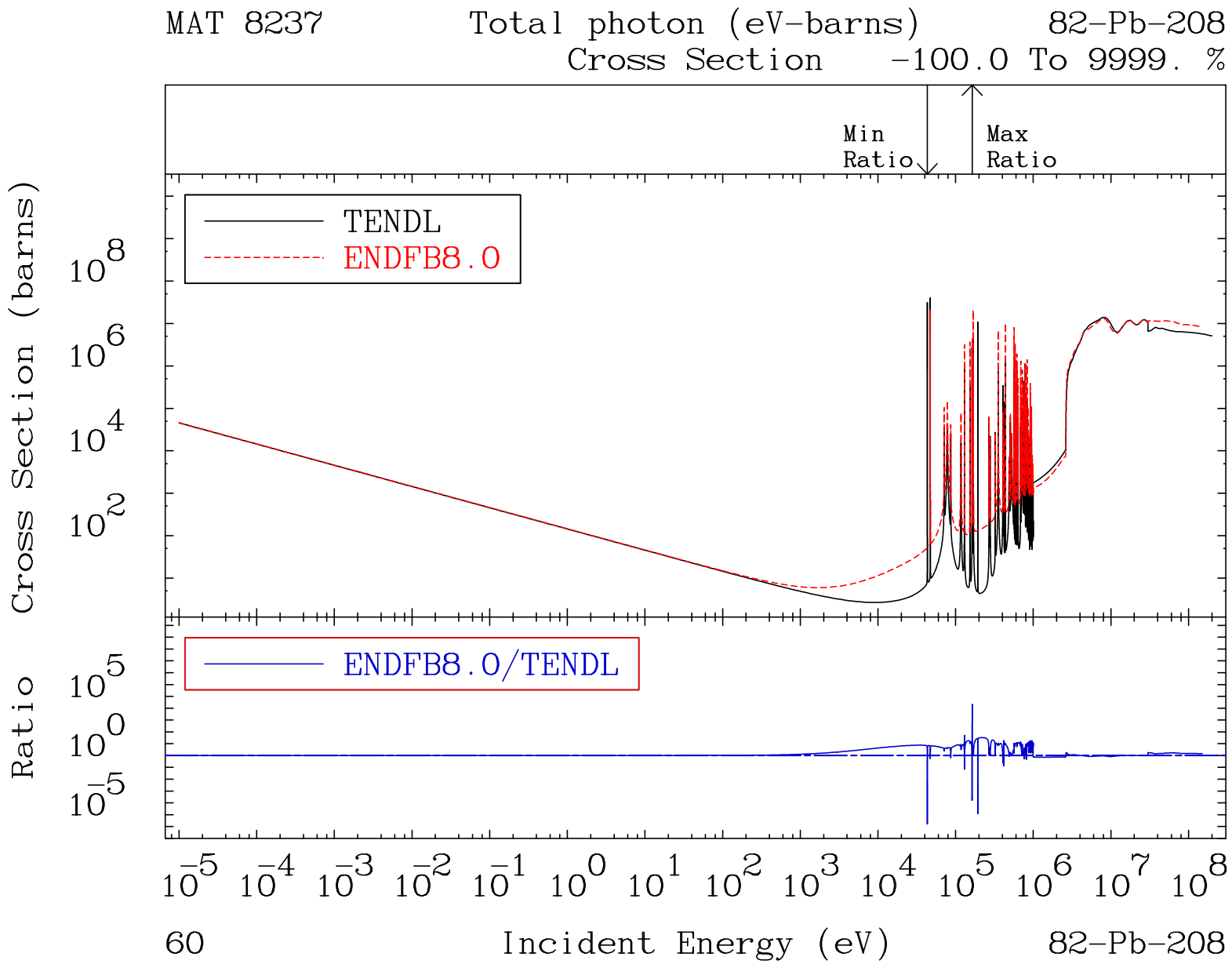

MAT 8237
Kerma elastic
Cross Section
82-Pb-208
-77.77 To 3273. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
82-Pb-208

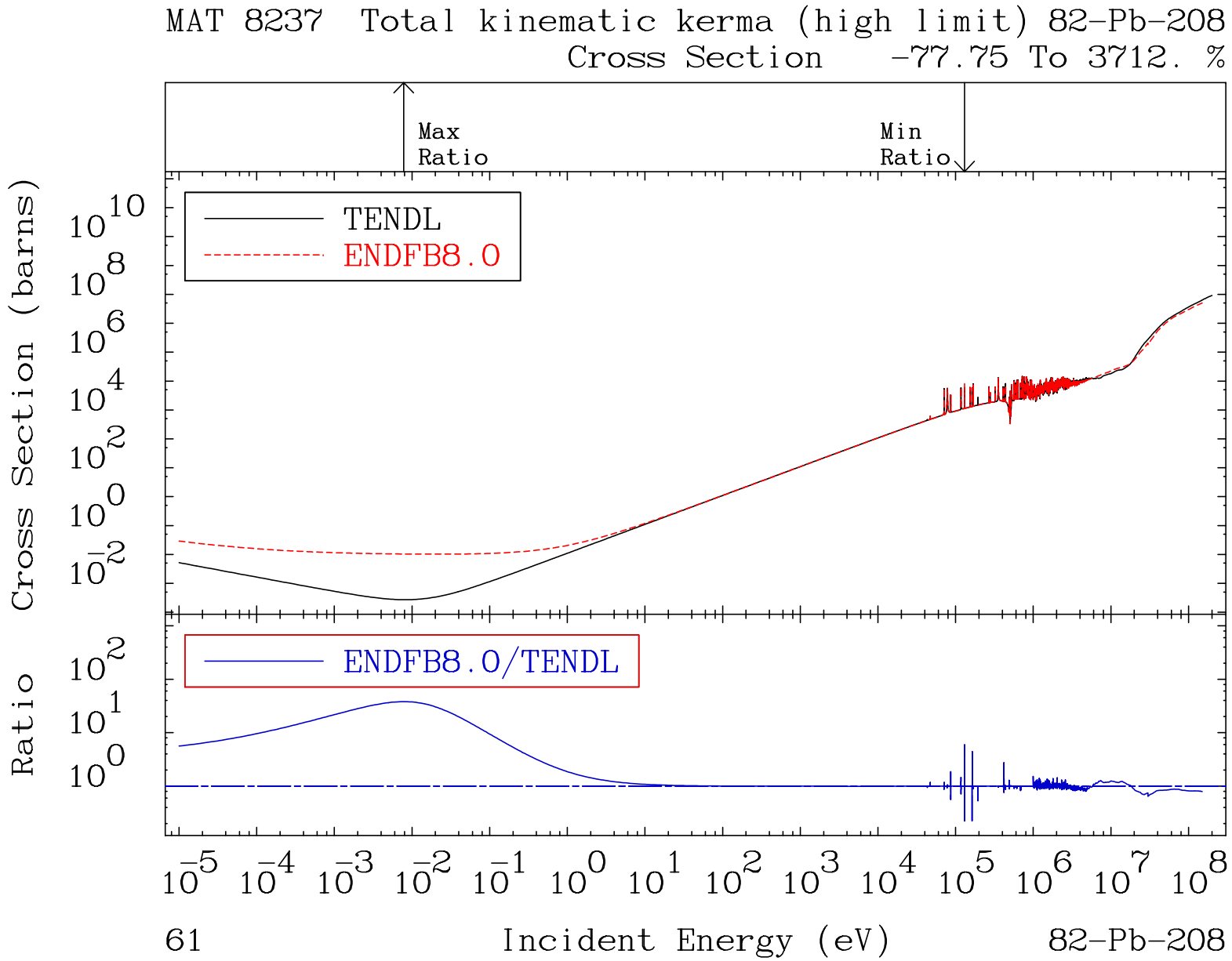

MAT 8237 Kerma non-elastic (all but mt2) 82-Pb-208
Cross Section -99.73 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
56
82-Pb-208

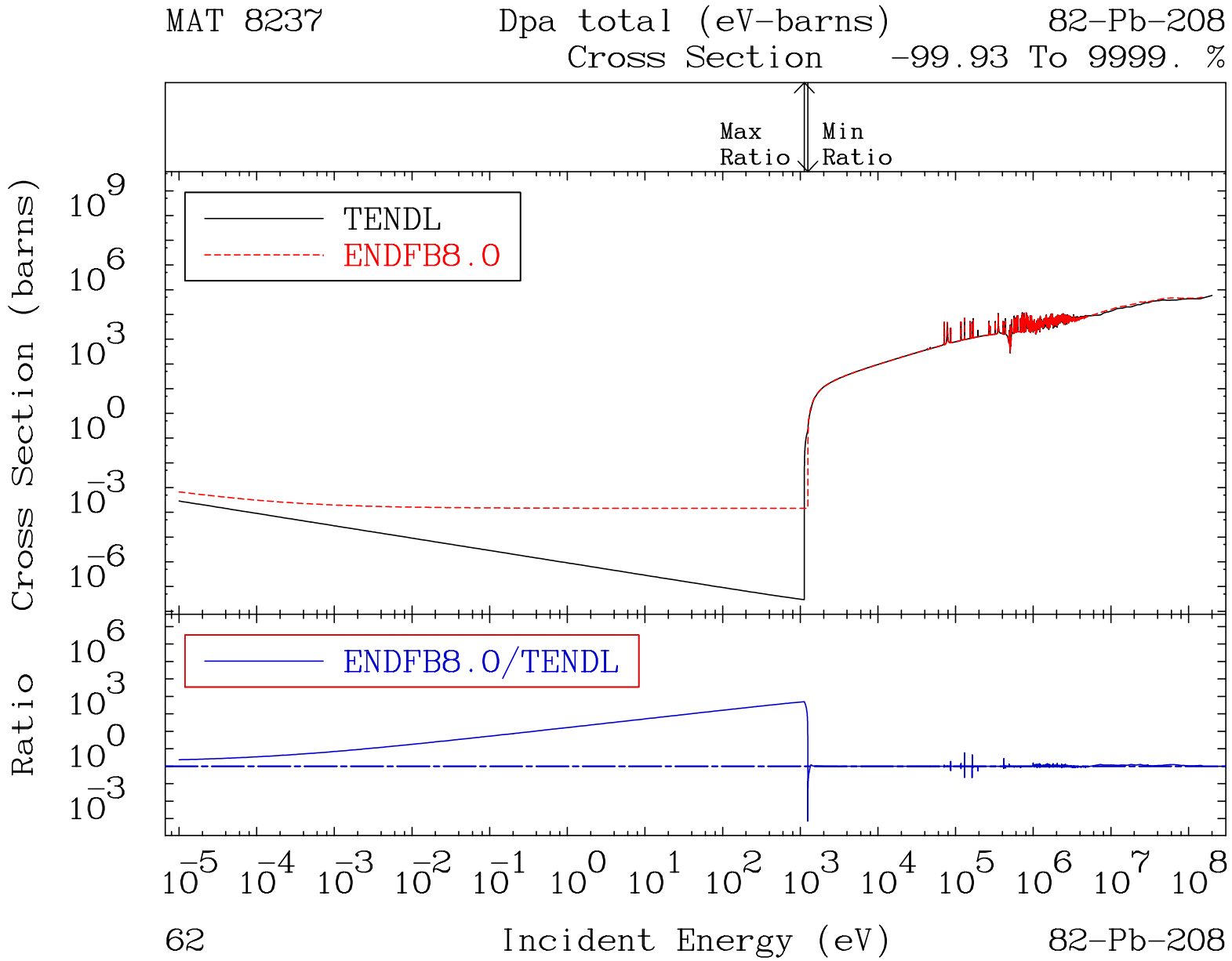

MAT 8237
Kerma inelastic (mt51-91)
82-Pb-208
Cross Section -9999. To 5546. %
Max Ratio
Min Ratio
TENDL Threshold 2.6272 MeV
ENDFB8.0 Threshold 2.6272 MeV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
57
82-Pb-208

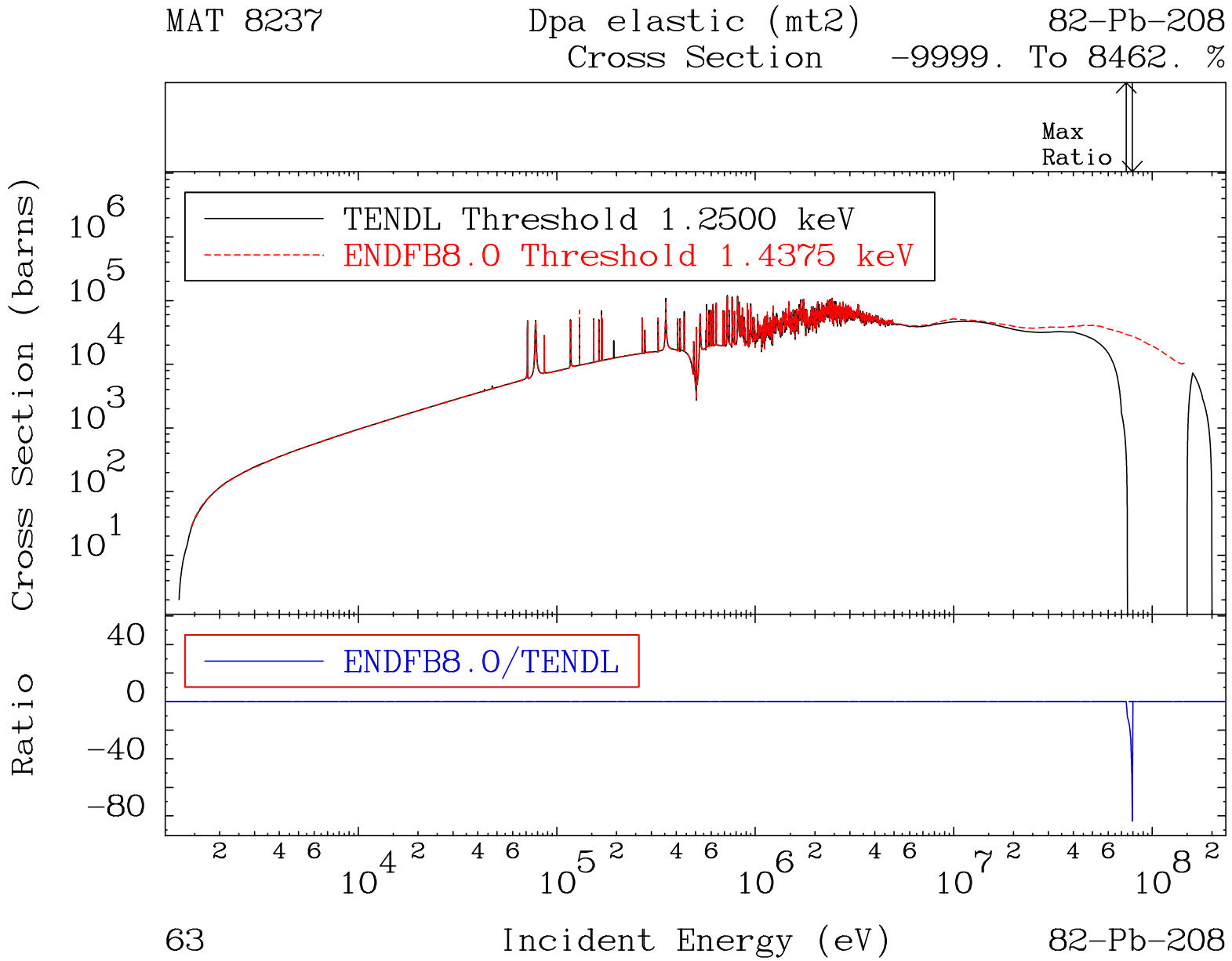

MAT 8237 Kerma fission (mt18 or mt19-20-21-38) 82-Pb-208
Cross Section -9999. To 5546. %
Max
Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
2
0
-2
-4
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
58
Incident Energy (eV)
82-Pb-208

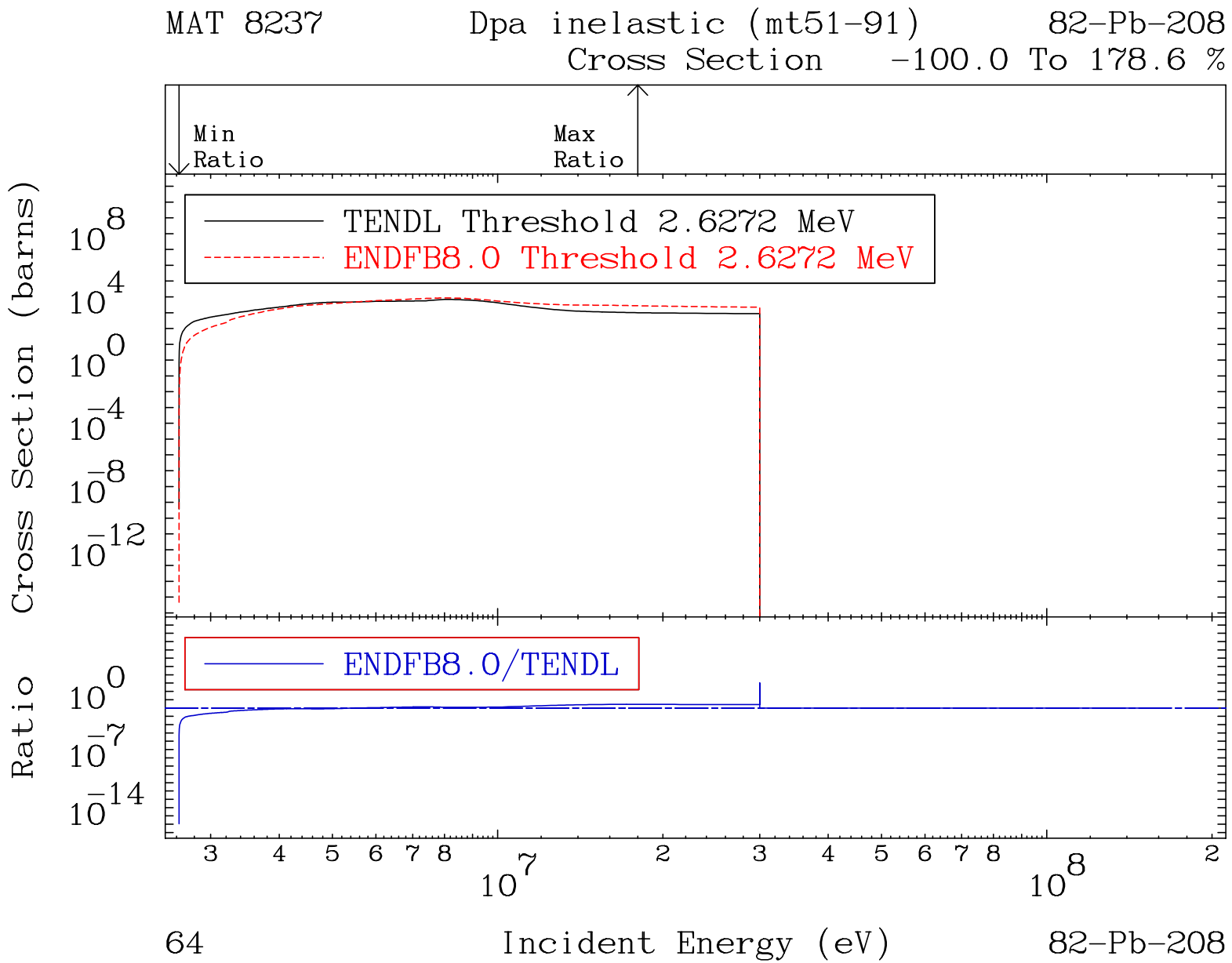

MAT 8237
Kerma capture (mt102)
82-Pb-208
Cross Section -99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
82-Pb-208

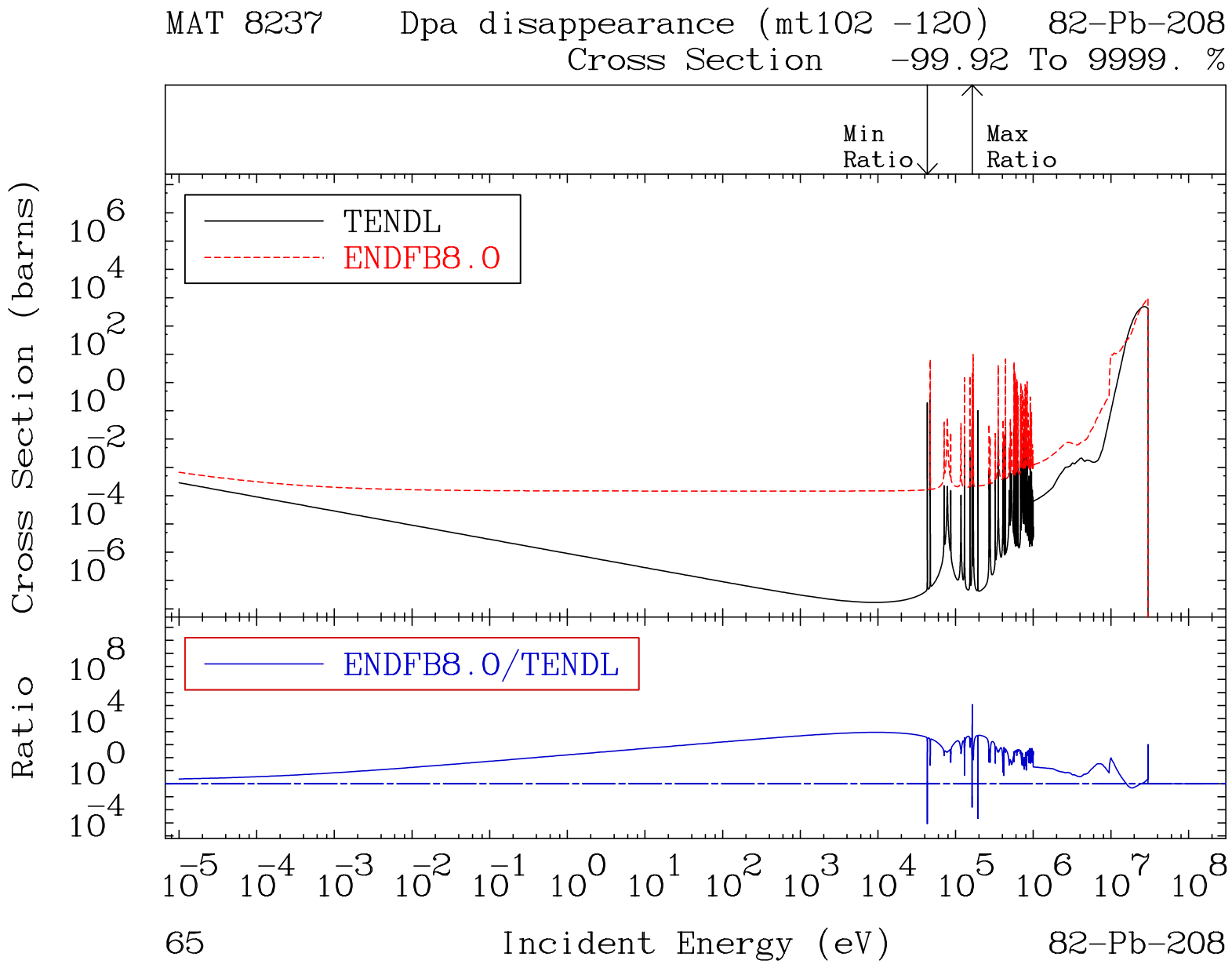

MAT 8237
Total photon (eV-barns)
82-Pb-208
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
60
82-Pb-208


MAT 8237 Total kinematic kerma (high limit) 82-Pb-208
Cross Section -77.75 To 3712. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
82-Pb-208


MAT 8237
Dpa total (eV-barns)
82-Pb-208
Cross Section -99.93 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
82-Pb-208


MAT 8237
Dpa elastic (mt2)
Cross Section
82-Pb-208
-9999. To 8462. %
Max
Ratio
TENDL Threshold 1.2500 keV
ENDFB8.0 Threshold 1.4375 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
63
82-Pb-208


MAT 8237
Dpa inelastic (mt51-91)
82-Pb-208
Cross Section -100.0 To 178.6 %
Min Ratio
Max Ratio
TENDL Threshold 2.6272 MeV
ENDFB8.0 Threshold 2.6272 MeV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
82-Pb-208


MAT 8237 Dpa disappearance (mt102 -120) 82-Pb-208
Cross Section -99.92 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
65
82-Pb-208