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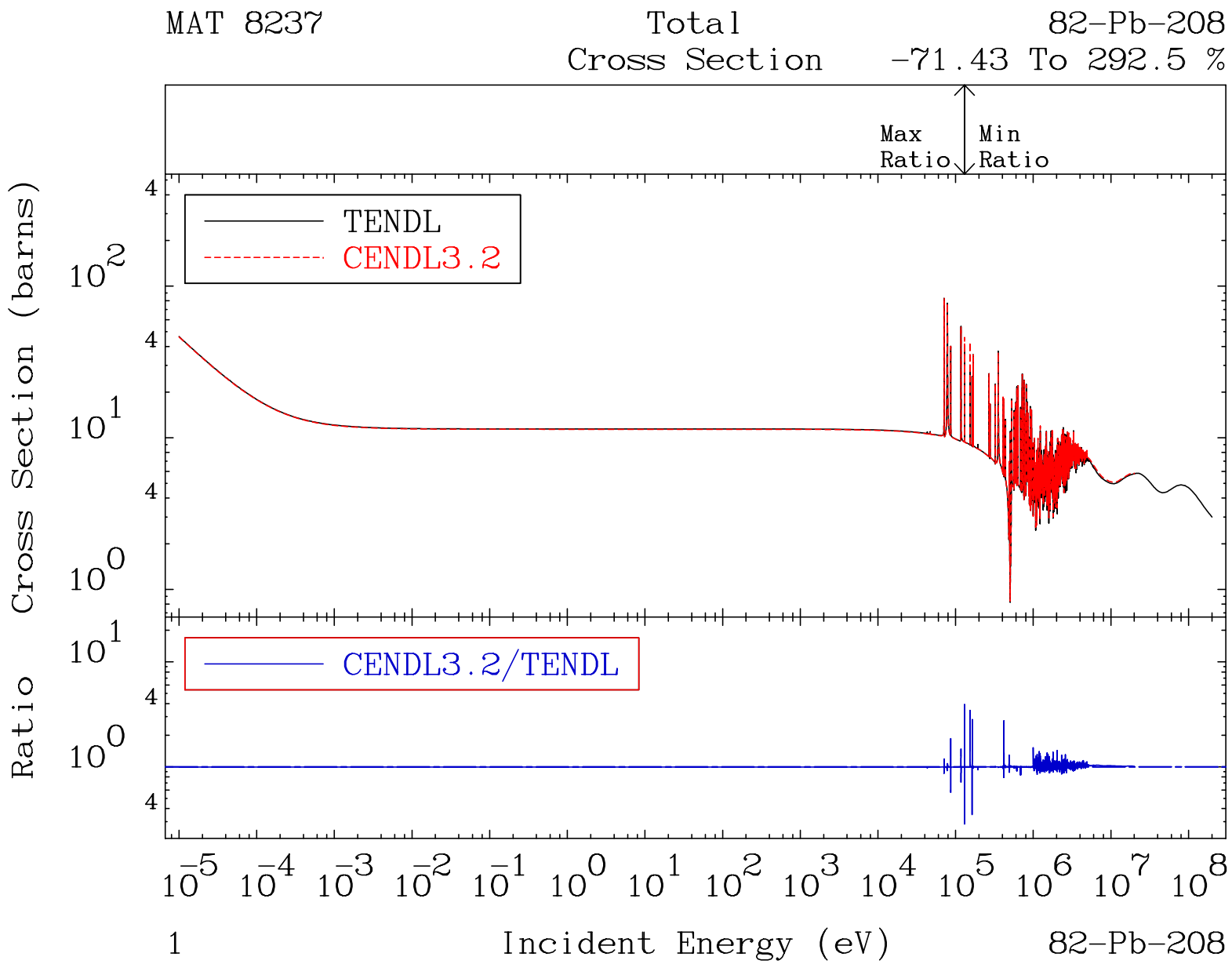
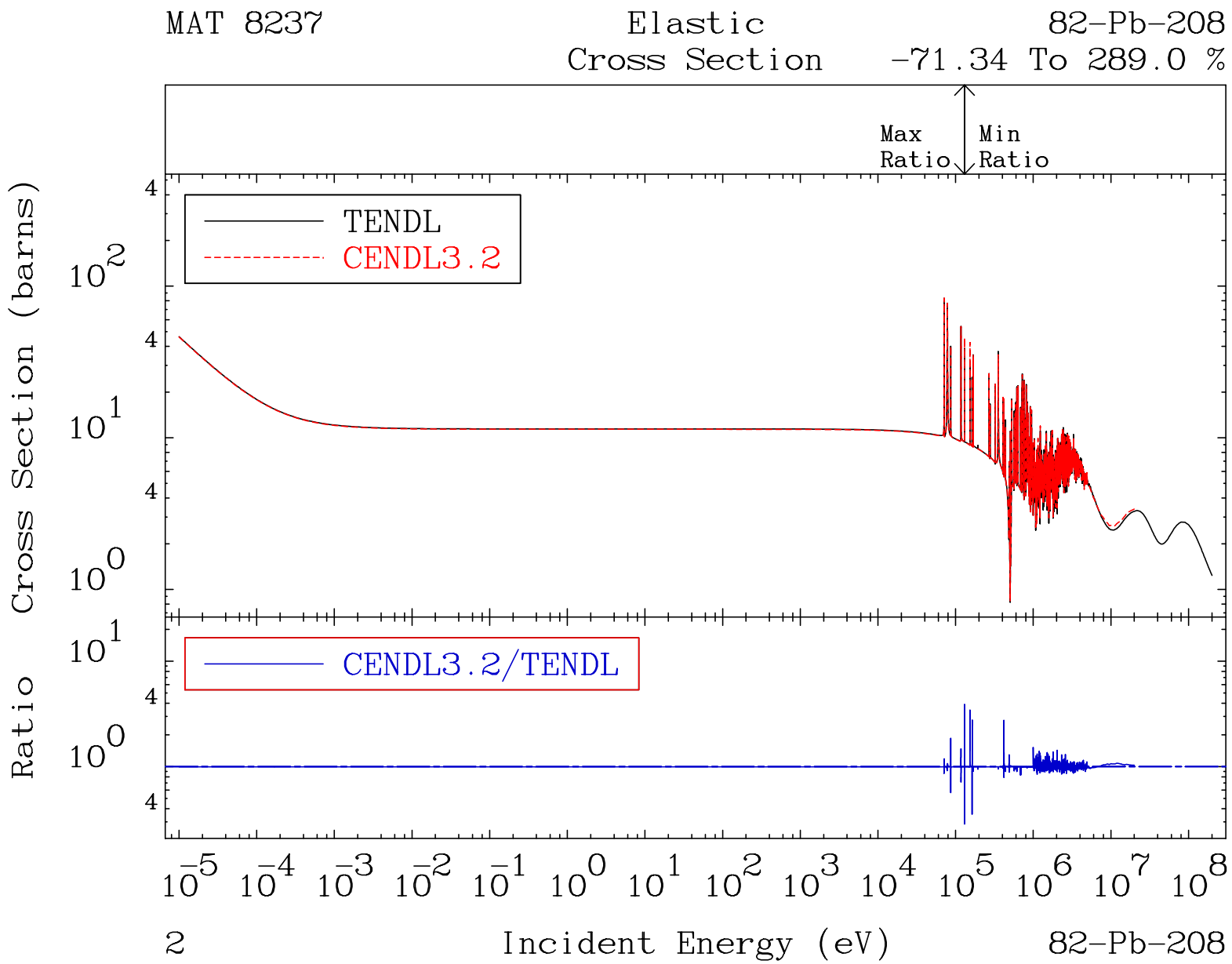
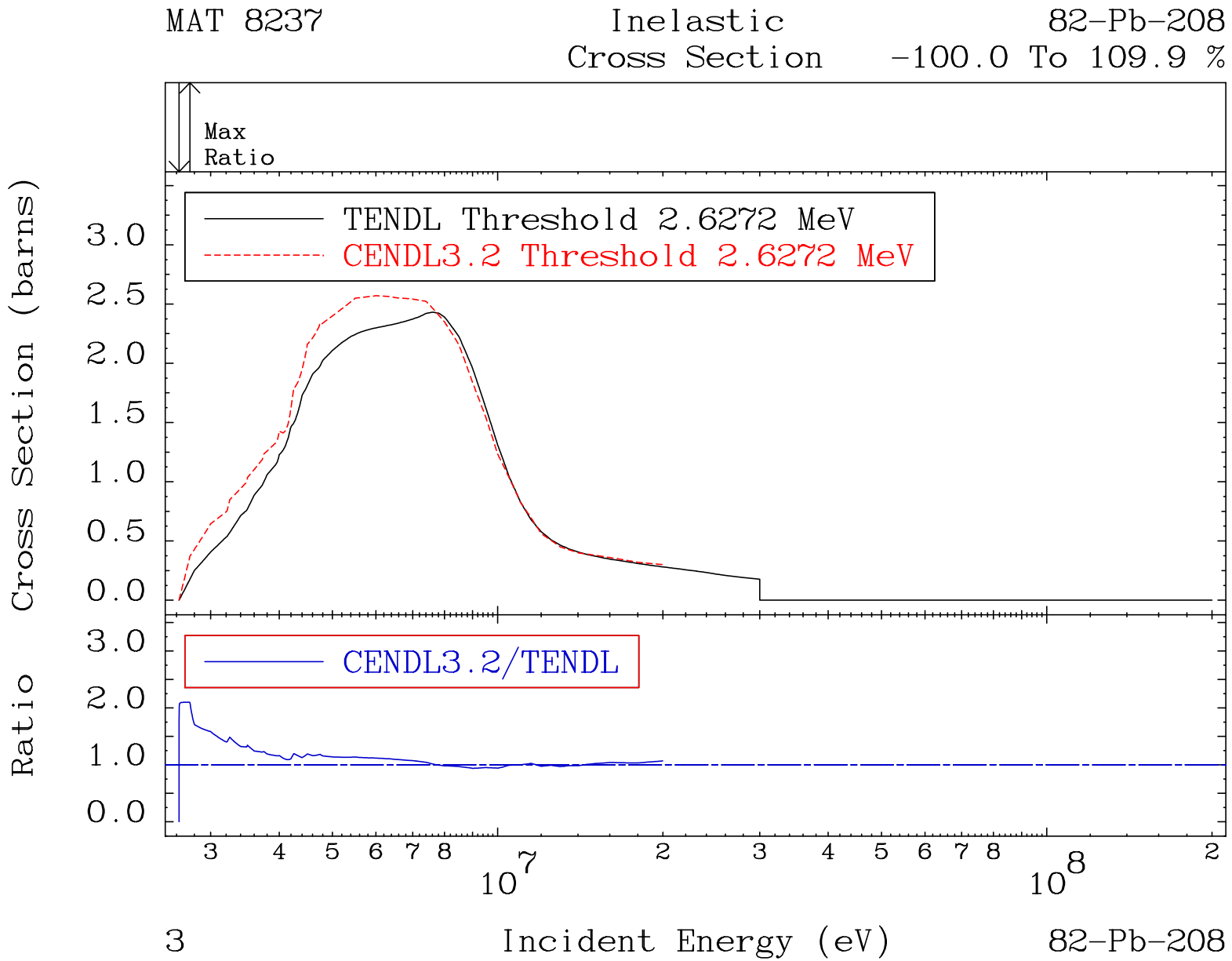
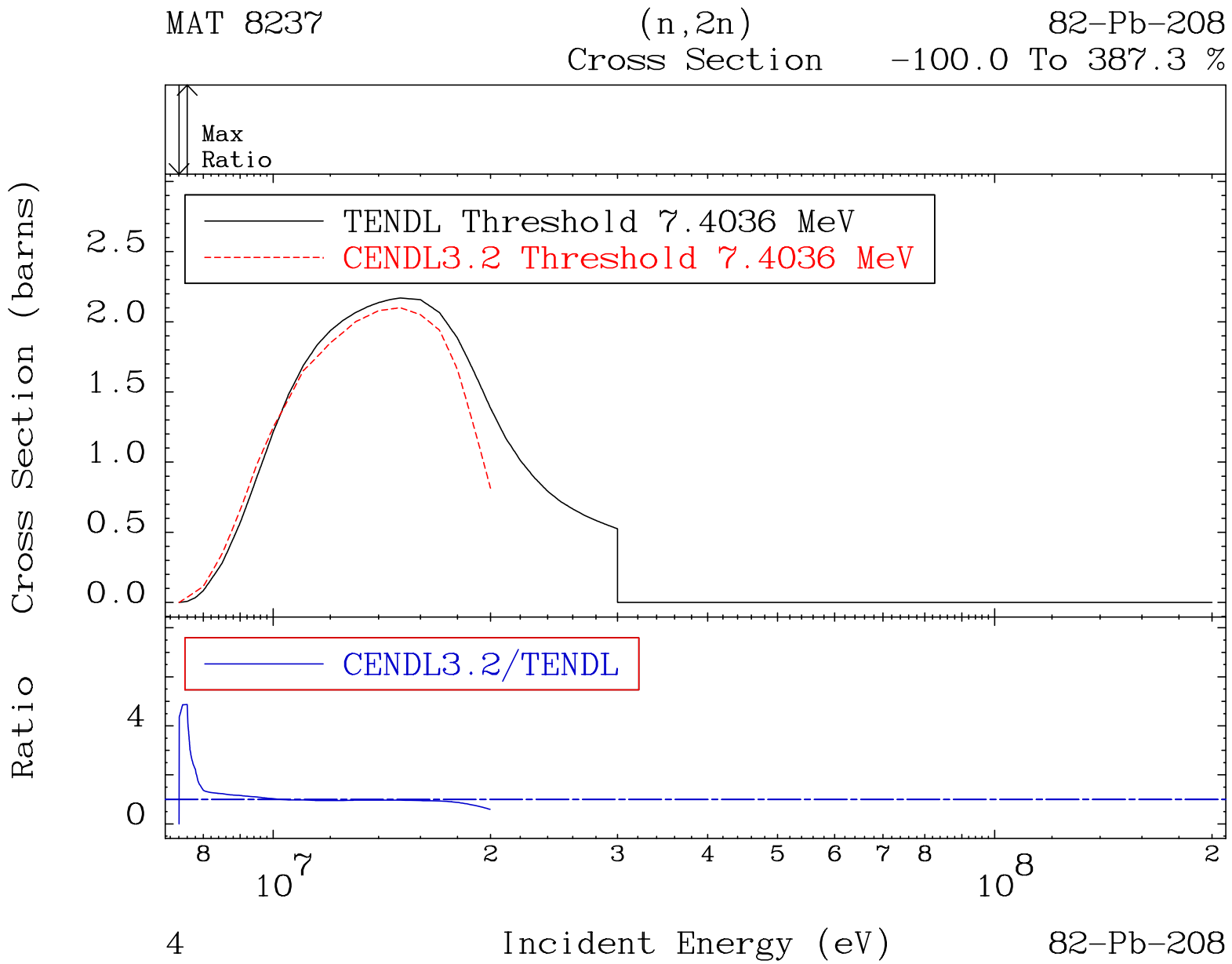
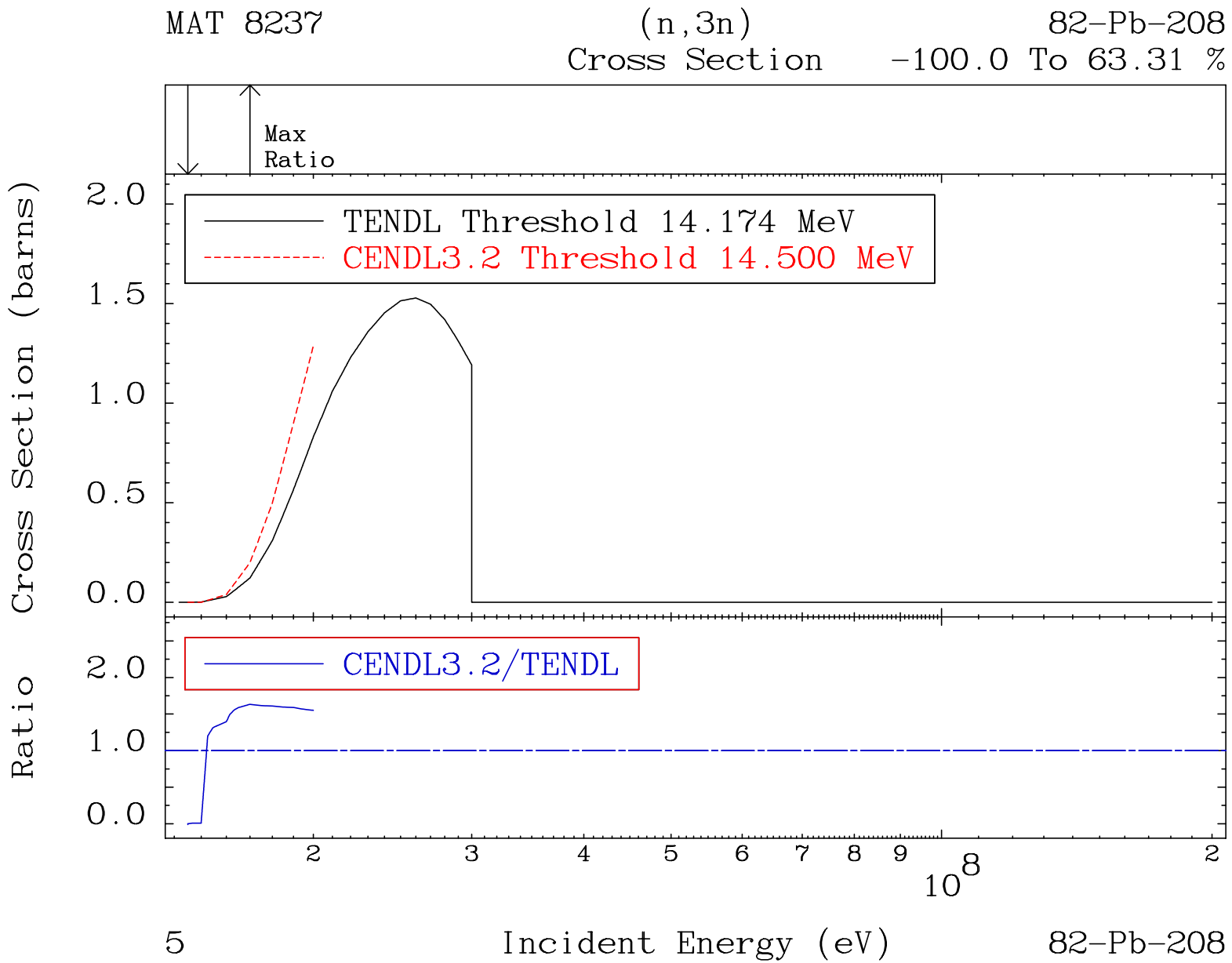
Press Mouse Button to Start

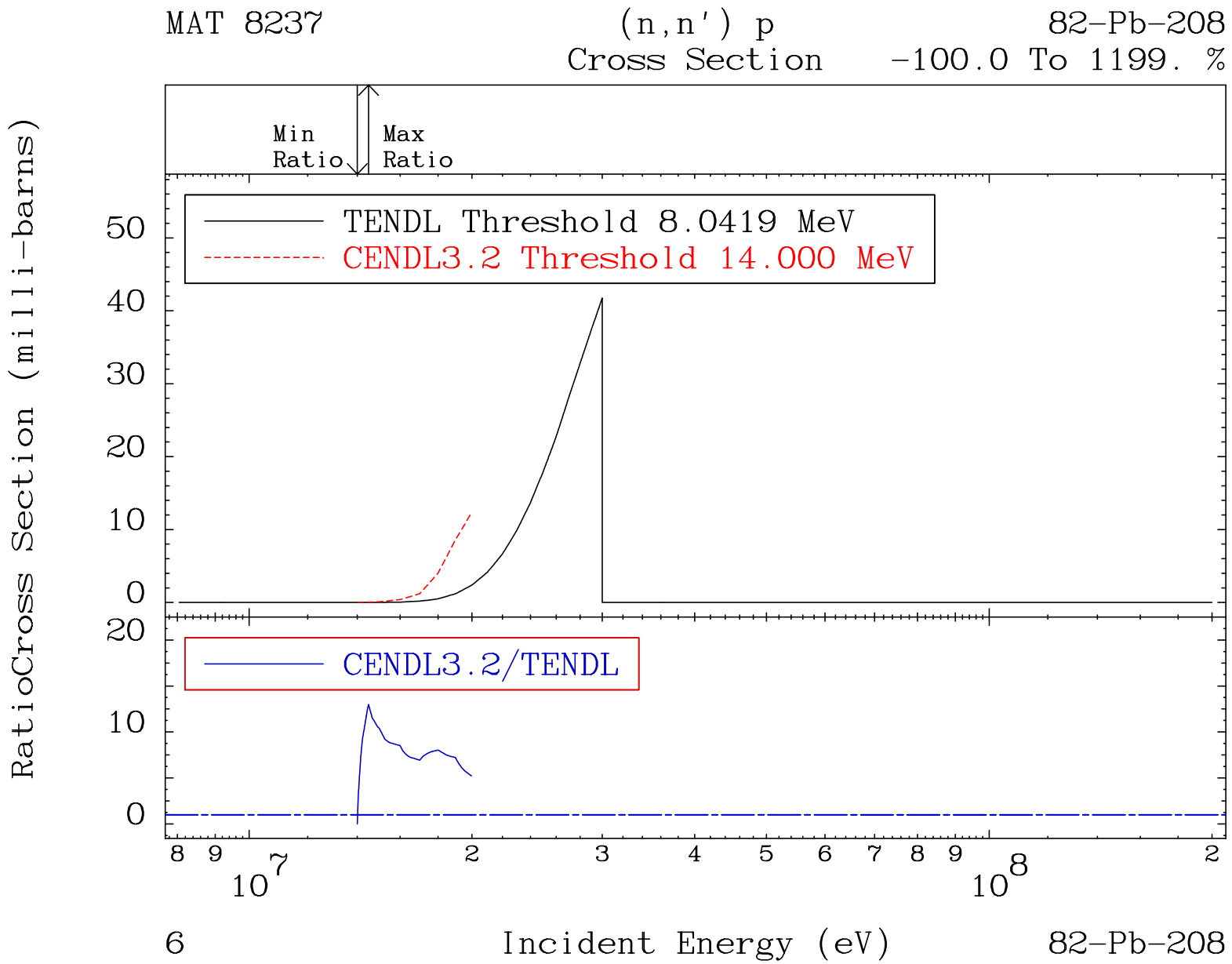

MAT 8237
Total
Cross Section
82-Pb-208
-71.43 To 292.5 %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
82-Pb-208
1

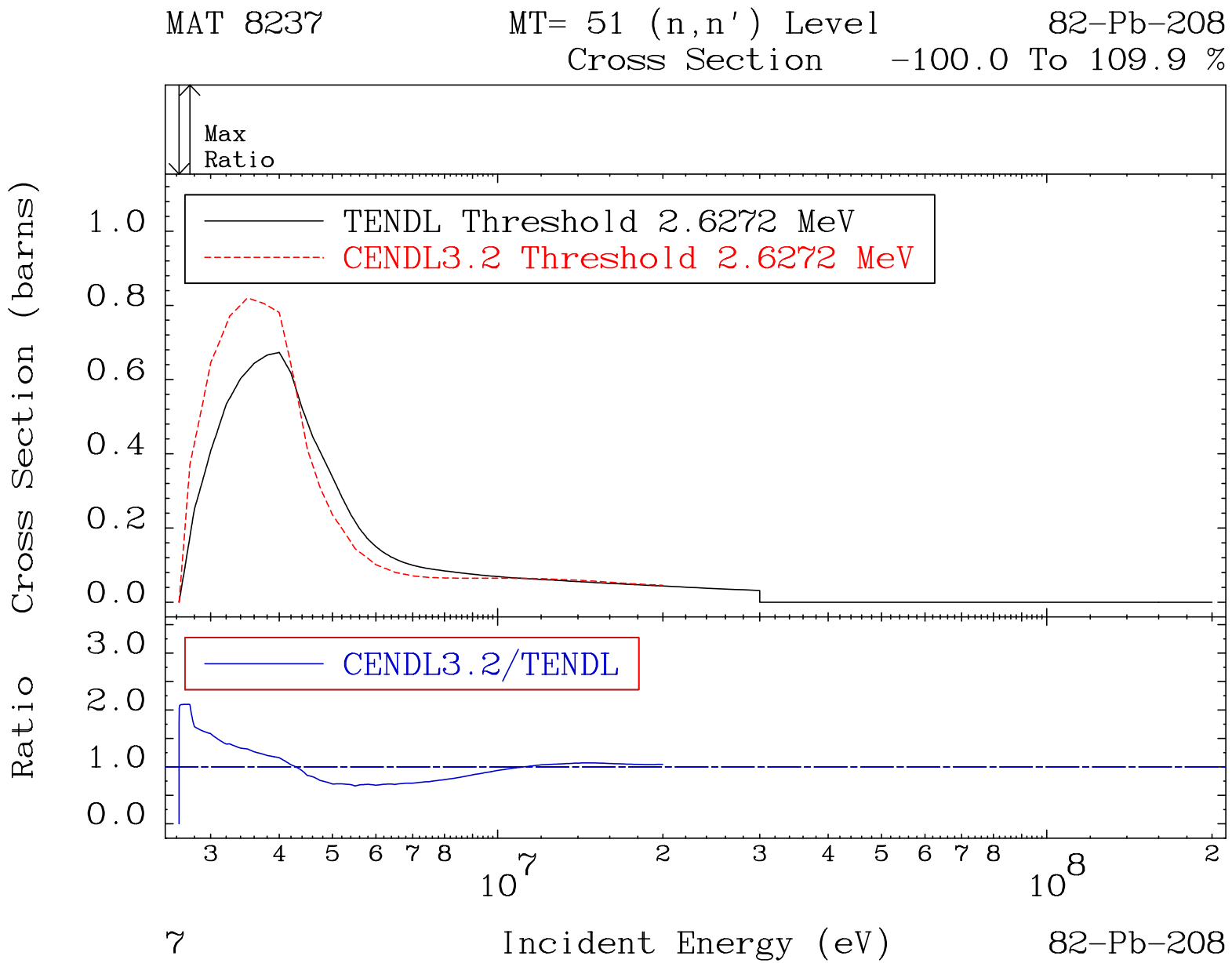

MAT 8237
Elastic
Cross Section
82-Pb-208
-71.34 To 289.0 %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Ratio Cross Section (barns)
Incident Energy (eV)
82-Pb-208
2

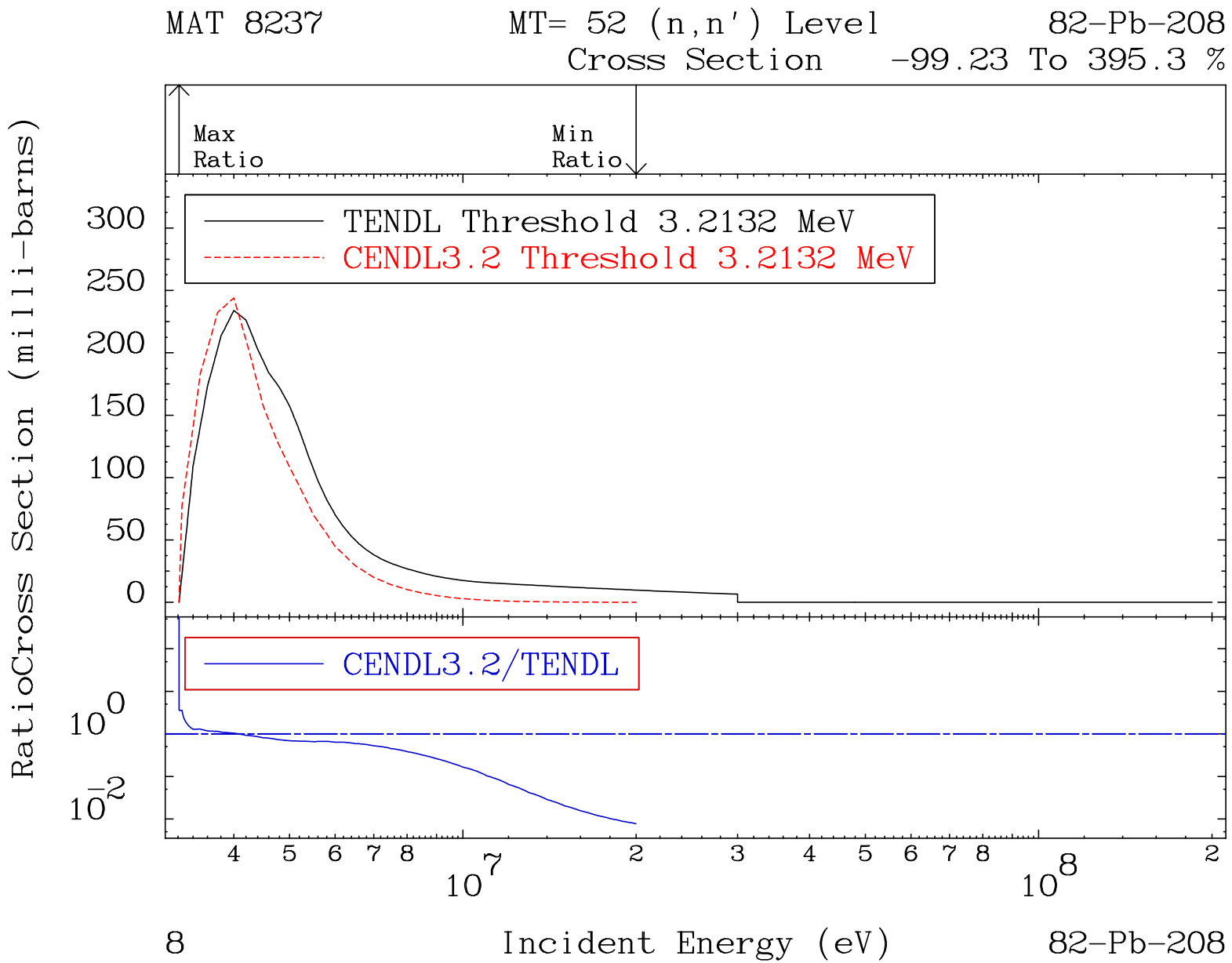

MAT 8237
Inelastic
Cross Section
82-Pb-208
-100.0 To 109.9 %
Max
Ratio
TENDL Threshold 2.6272 MeV
CENDL3.2 Threshold 2.6272 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
3
Incident Energy (eV)
82-Pb-208

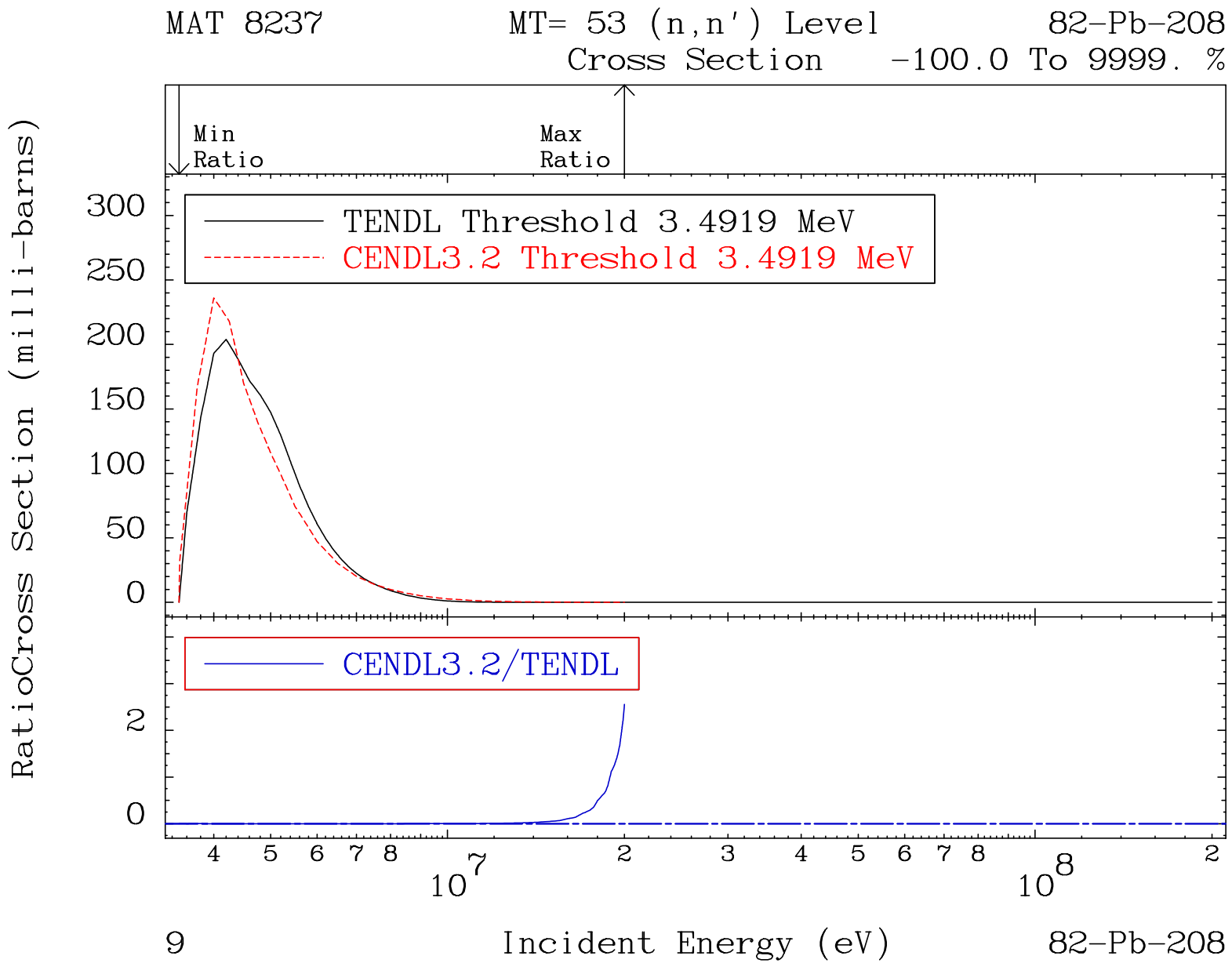

MAT 8237
(n,2n)
Cross Section
82-Pb-208
-100.0 To 387.3 %
Max
Ratio
TENDL Threshold 7.4036 MeV
CENDL3.2 Threshold 7.4036 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
4
0
8
2
3
4
5
6
7
8
2
10^7
10^8
4
Incident Energy (eV)
82-Pb-208

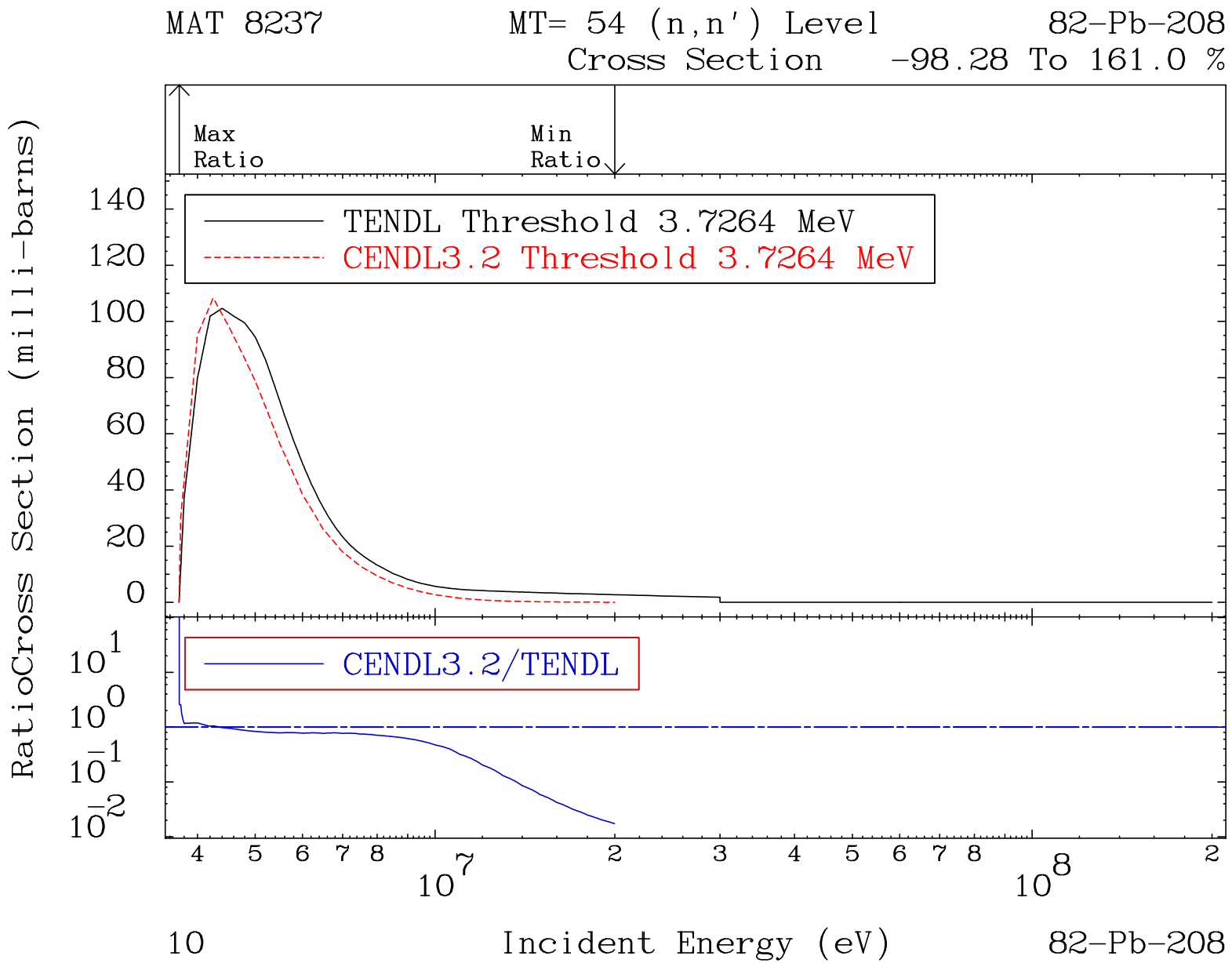

MAT 8237
(n,3n)
Cross Section
82-Pb-208
-100.0 To 63.31 %
Max
Ratio
TENDL Threshold 14.174 MeV
CENDL3.2 Threshold 14.500 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
82-Pb-208

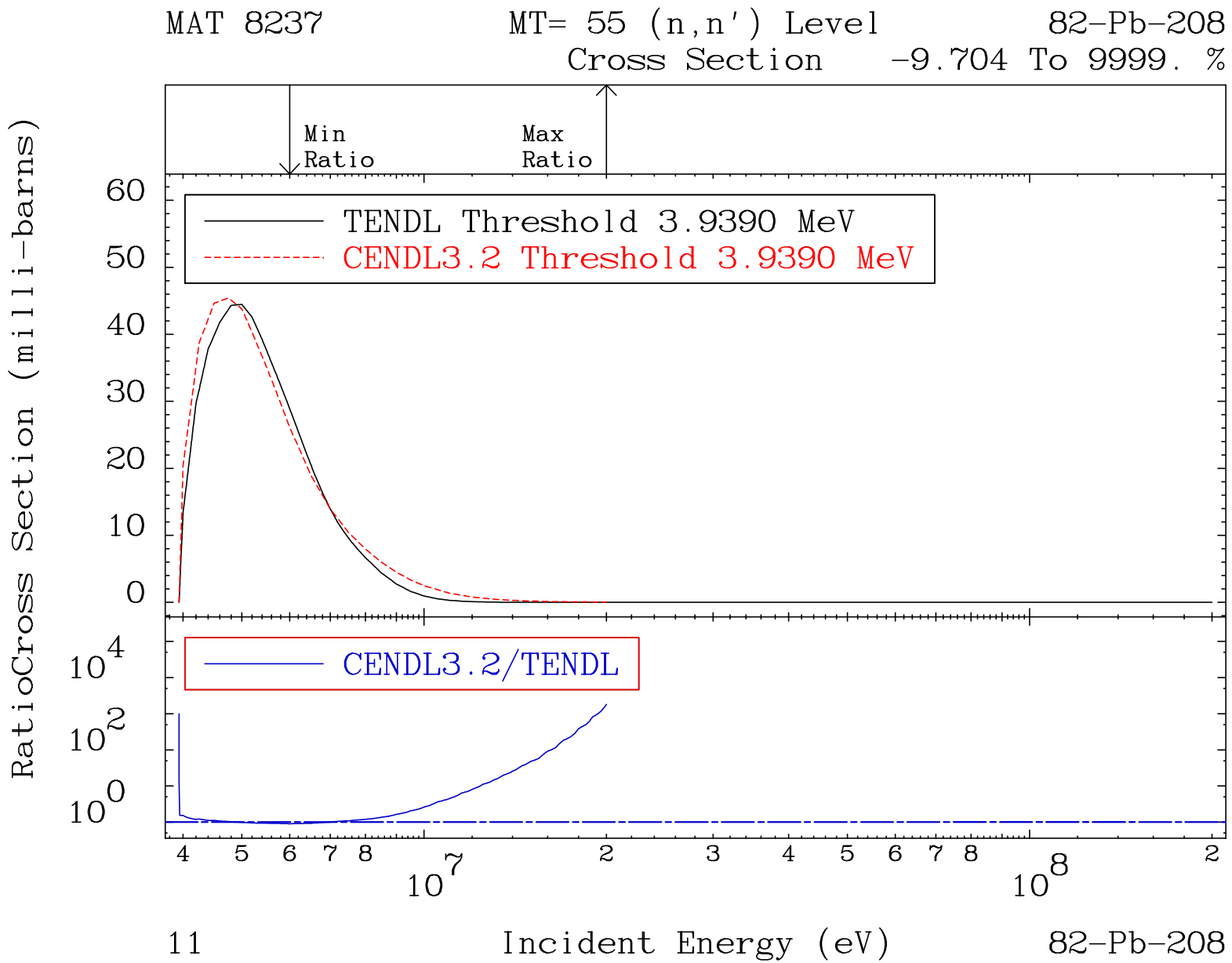

MAT 8237
(n,n') p
Cross Section
82-Pb-208
-100.0 To 1199. %
Min Ratio
Max Ratio
TENDL Threshold 8.0419 MeV
CENDL3.2 Threshold 14.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
20
10
0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
6
82-Pb-208

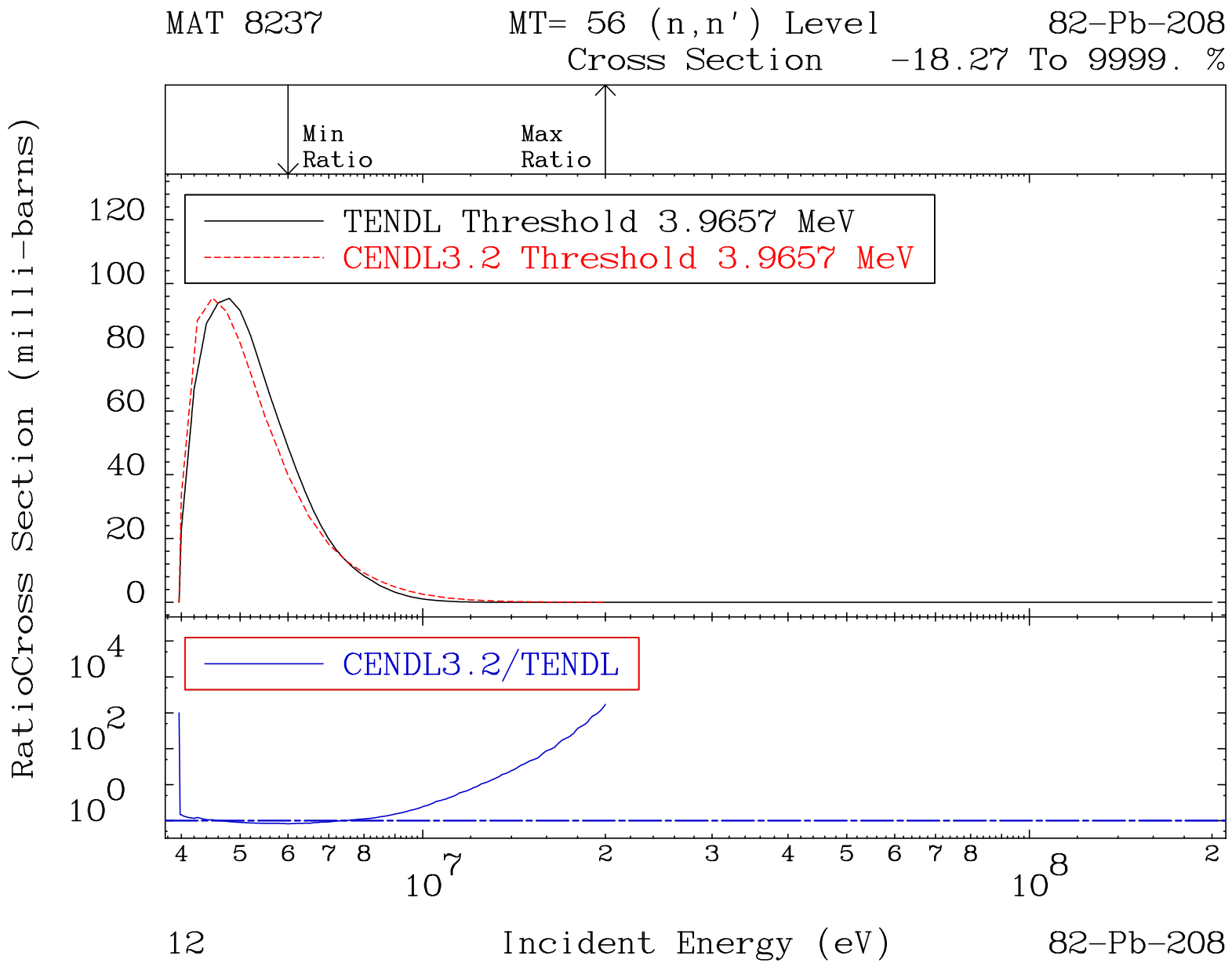

MAT 8237
MT= 51 (n,n') Level
82-Pb-208
Cross Section
-100.0 To 109.9 %
Max
Ratio
TENDL Threshold 2.6272 MeV
CENDL3.2 Threshold 2.6272 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
3.0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
7
Incident Energy (eV)
82-Pb-208

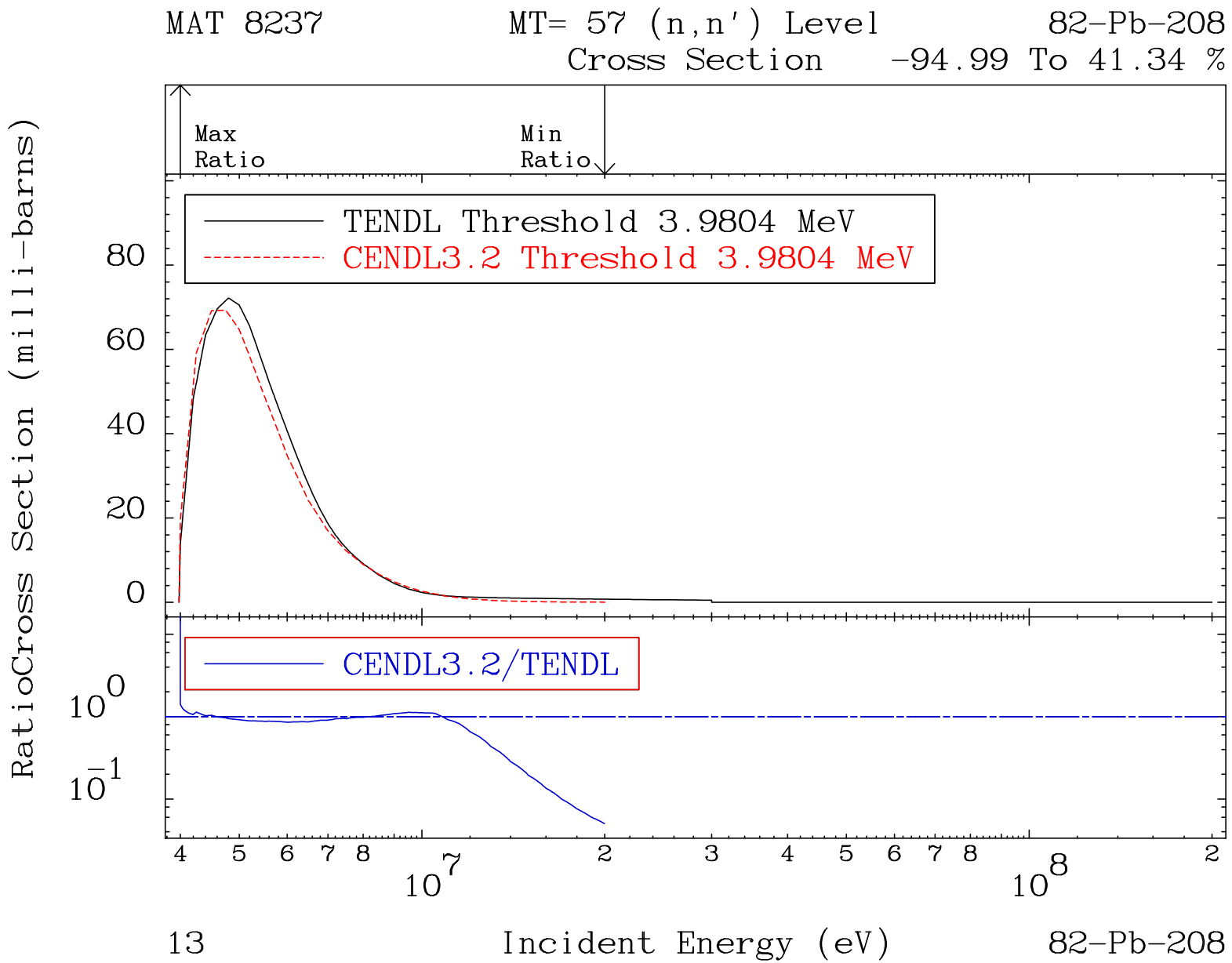

MAT 8237
MT= 52 (n,n') Level
82-Pb-208
Cross Section
-99.23 To 395.3 %
Max Ratio
Min Ratio
TENDL Threshold 3.2132 MeV
CENDL3.2 Threshold 3.2132 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
10^{0}
10^{-2}
4 5 6 7 8 10^{7} 2 3 4 5 6 7 8 10^{8} 2
Incident Energy (eV)
8
82-Pb-208

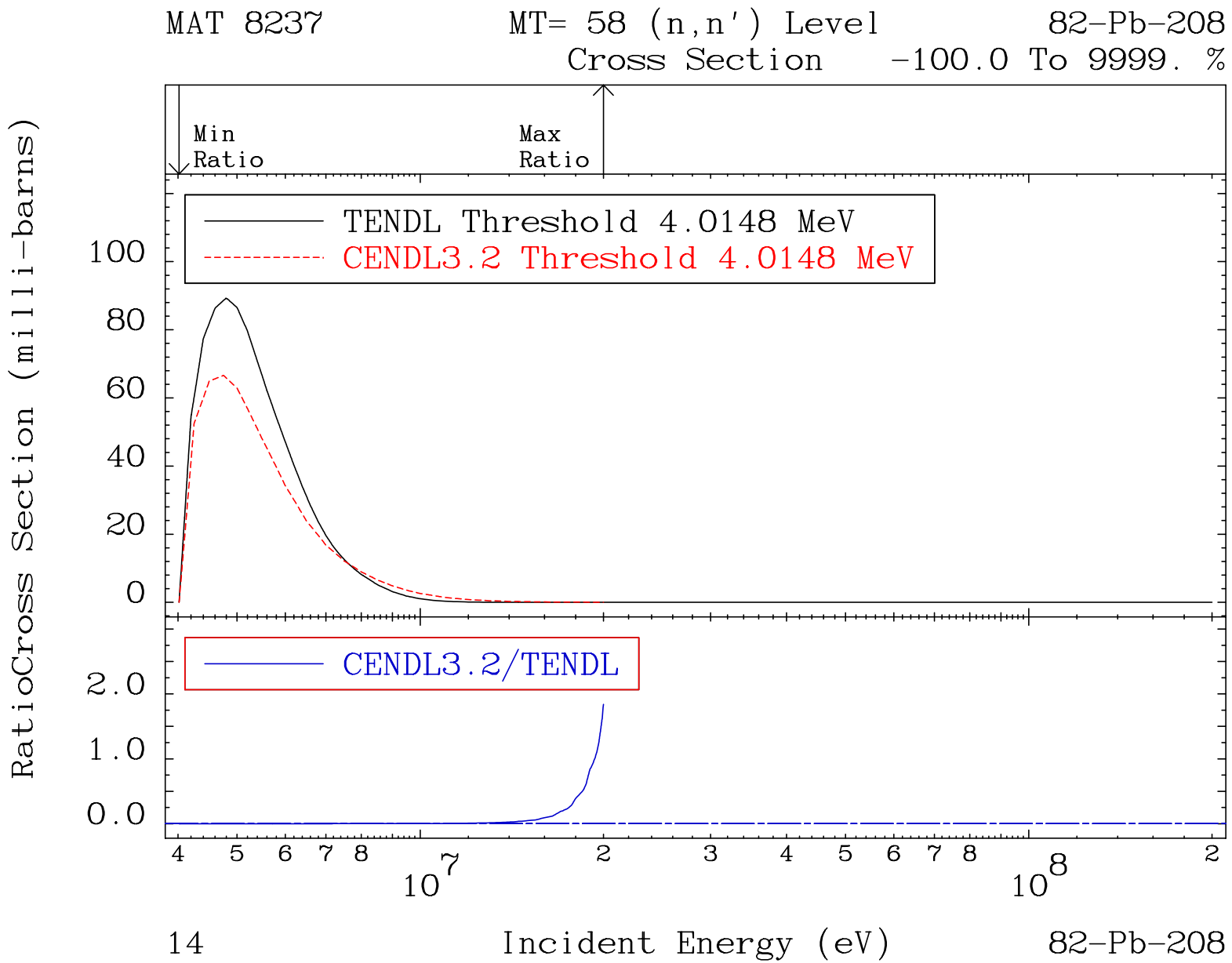

MAT 8237
MT= 53 (n,n') Level
82-Pb-208
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.4919 MeV
CENDL3.2 Threshold 3.4919 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
2
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
9
Incident Energy (eV)
82-Pb-208

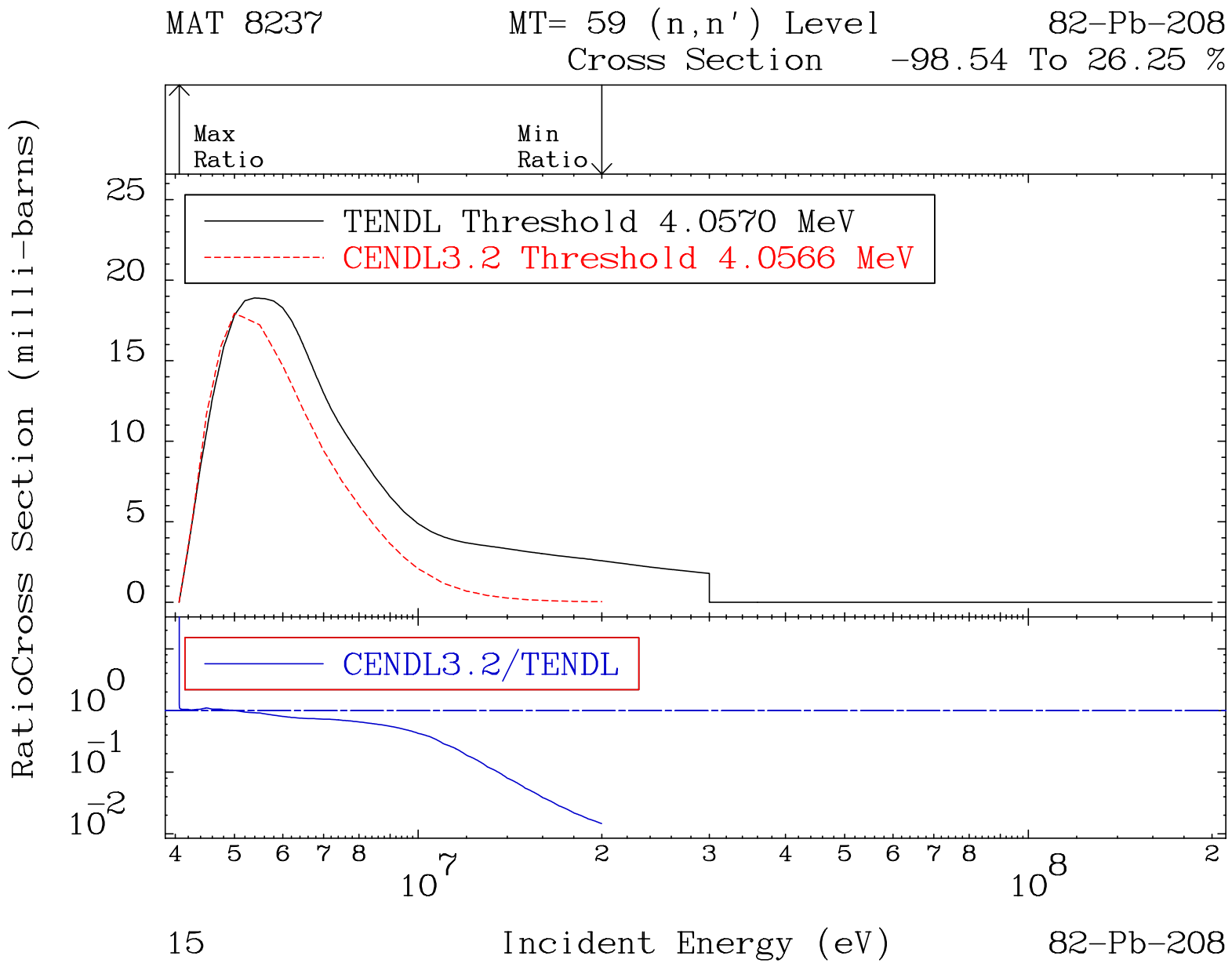

MAT 8237
MT= 54 (n,n') Level
82-Pb-208
Cross Section -98.28 To 161.0 %
Max Ratio
Min Ratio
TENDL Threshold 3.7264 MeV
CENDL3.2 Threshold 3.7264 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
10^1
10^0
10^-1
10^-2
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
10
Incident Energy (eV)
82-Pb-208

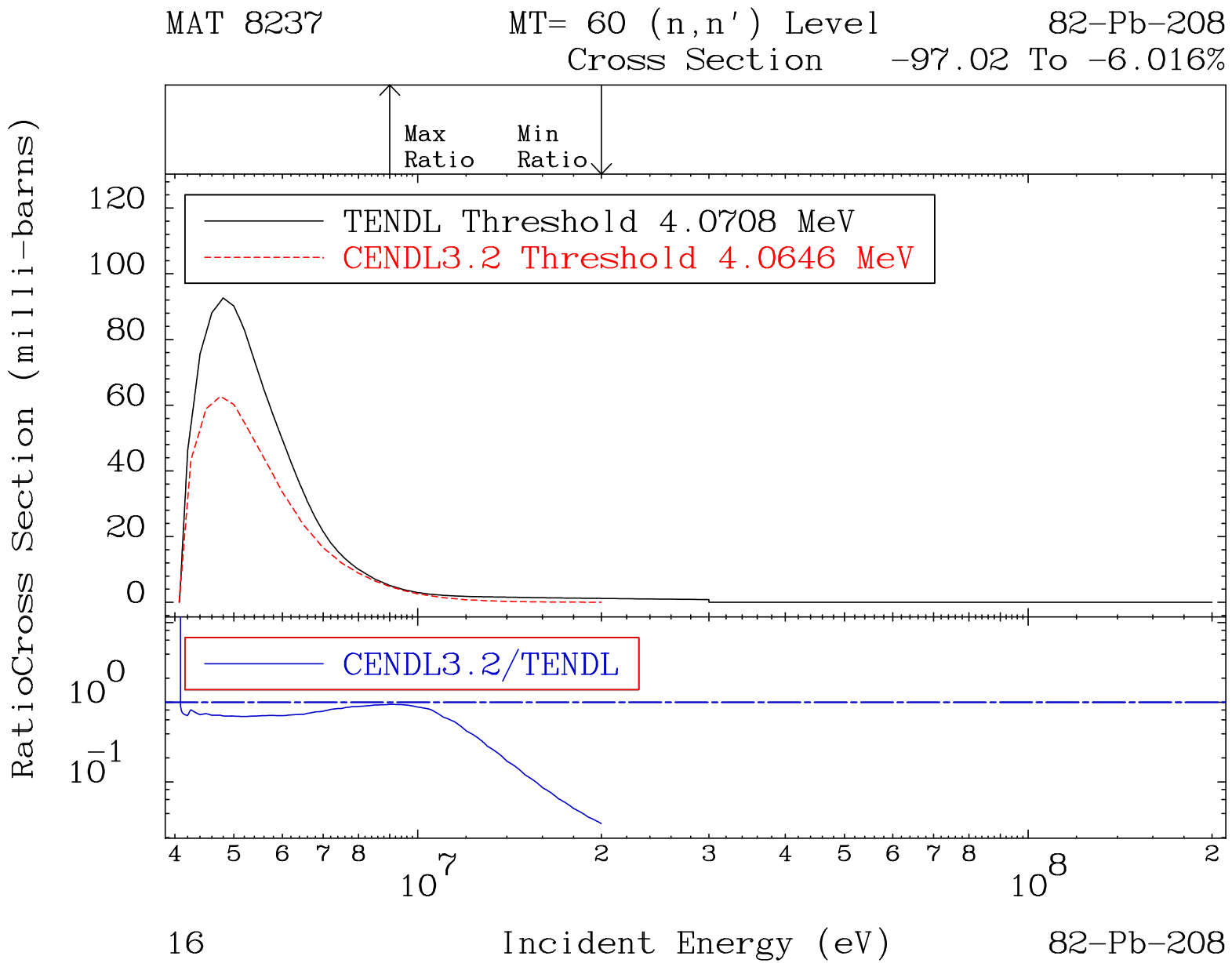

MAT 8237
MT= 55 (n,n') Level
82-Pb-208
Cross Section -9.704 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.9390 MeV
CENDL3.2 Threshold 3.9390 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
11
82-Pb-208

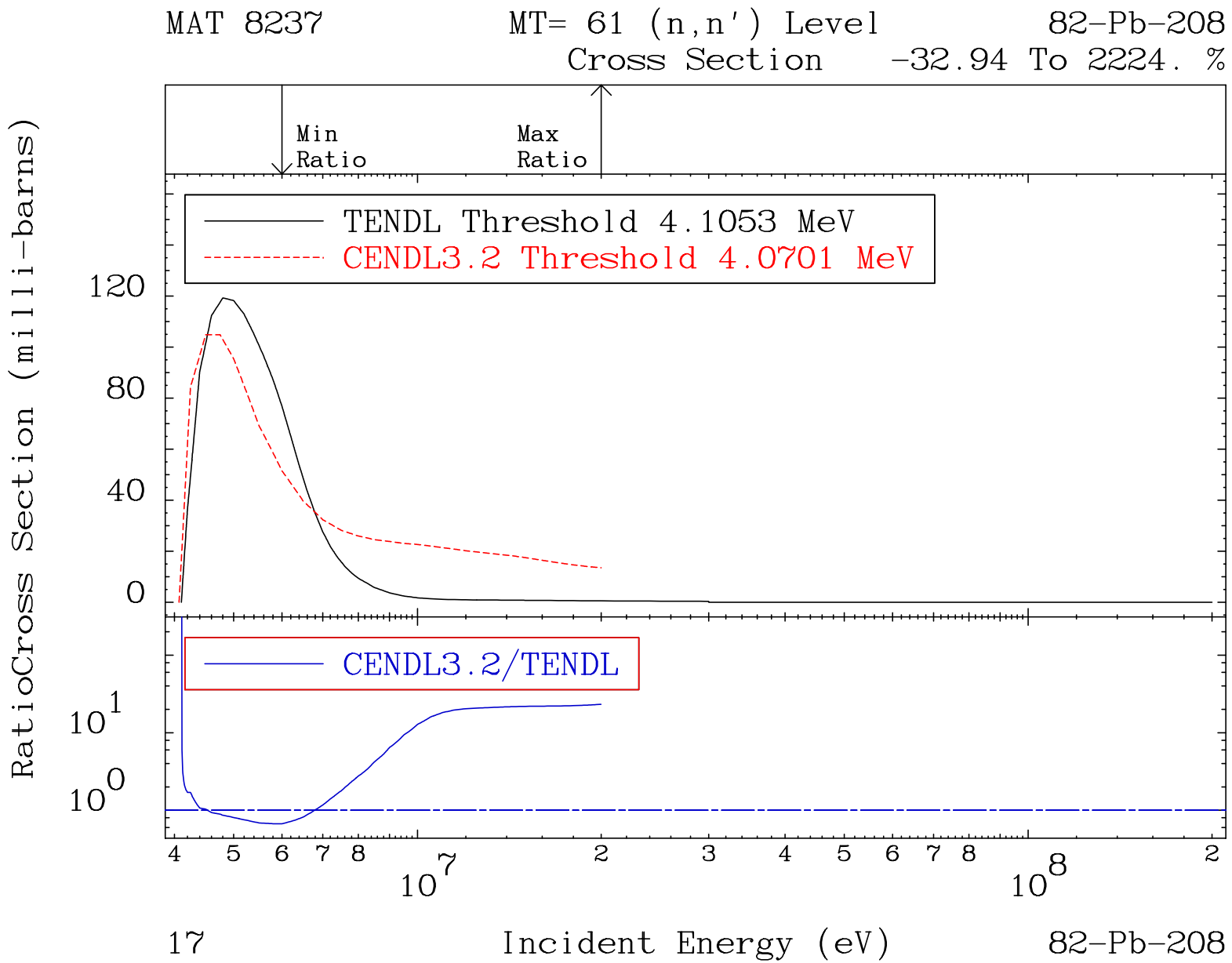

MAT 8237
MT= 56 (n,n') Level
82-Pb-208
Cross Section -18.27 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.9657 MeV
CENDL3.2 Threshold 3.9657 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
10^4
10^2
10^0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
12
Incident Energy (eV)
82-Pb-208

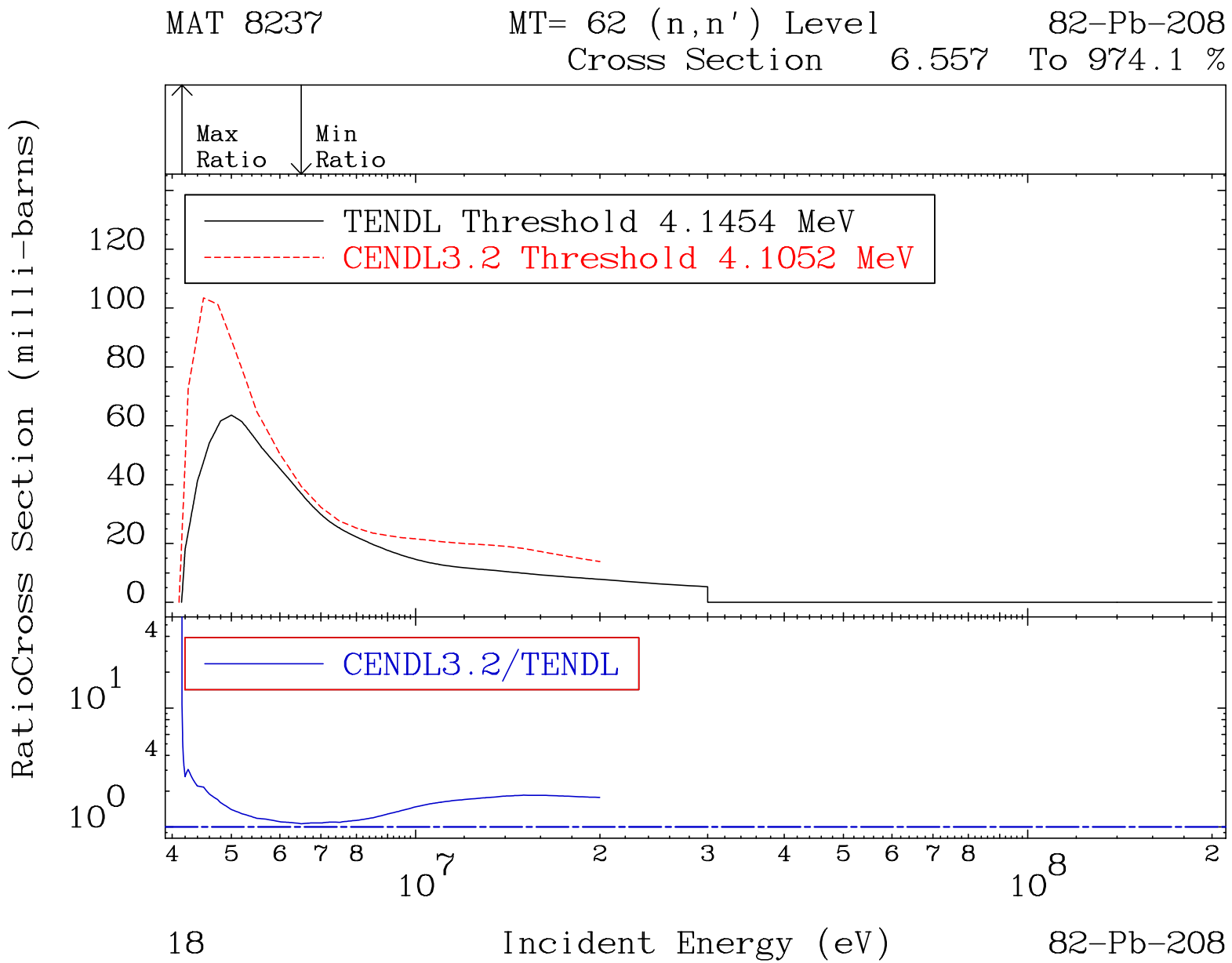

MAT 8237
MT= 57 (n,n') Level
82-Pb-208
Cross Section -94.99 To 41.34 %
Max Ratio
Min Ratio
TENDL Threshold 3.9804 MeV
CENDL3.2 Threshold 3.9804 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
10^0
10^-1
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
13
Incident Energy (eV)
82-Pb-208

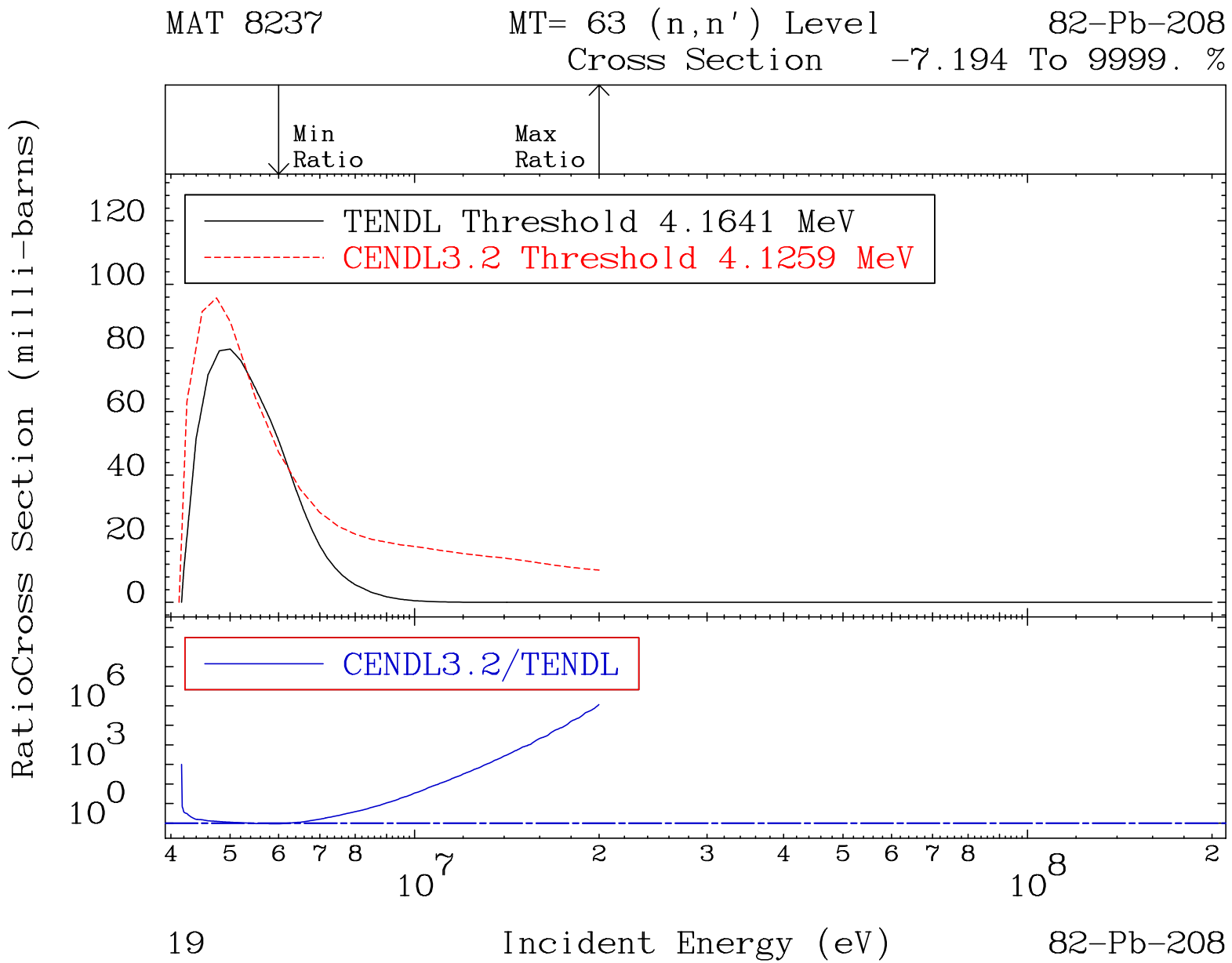

MAT 8237
MT= 58 (n,n') Level
82-Pb-208
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.0148 MeV
CENDL3.2 Threshold 4.0148 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
82-Pb-208

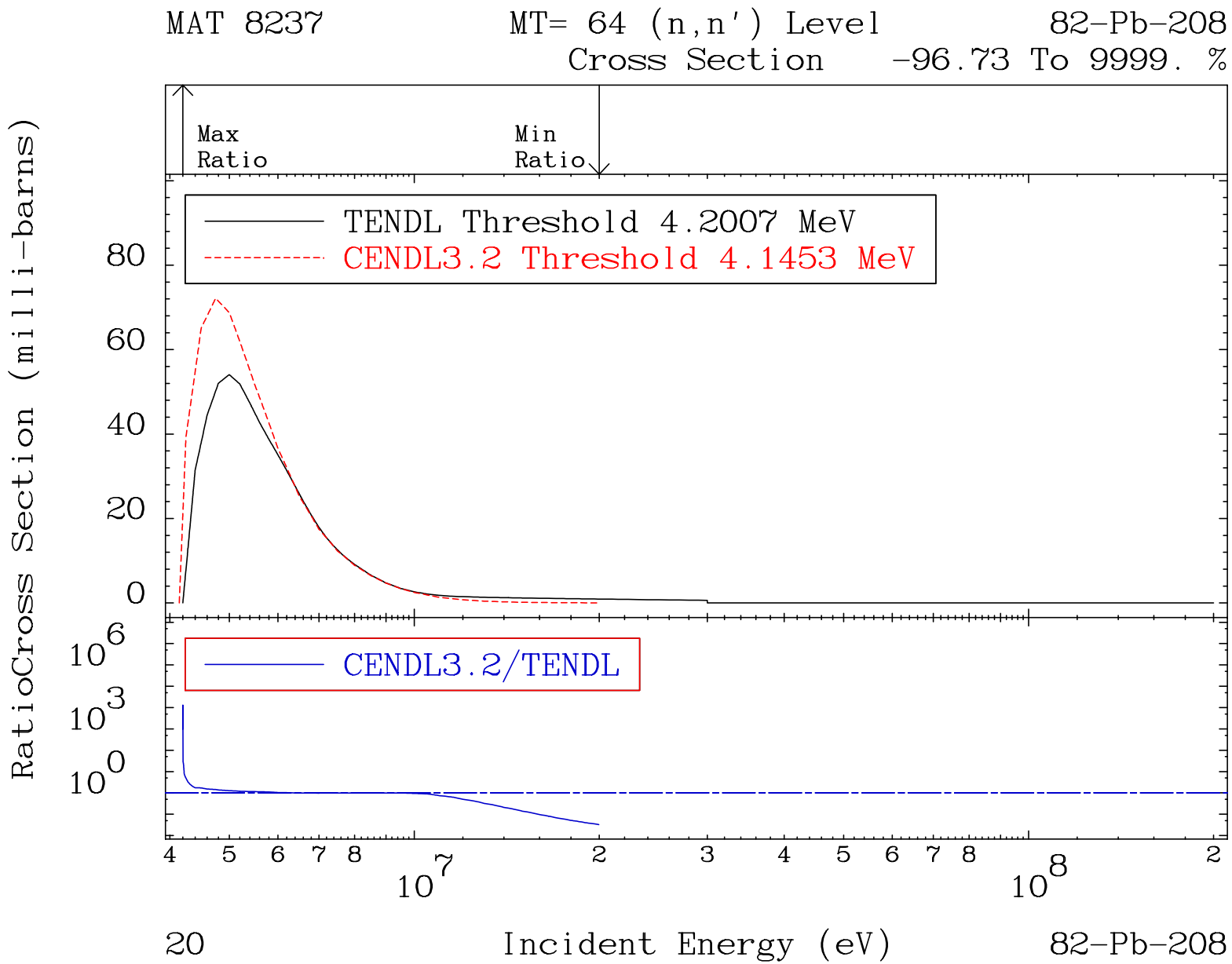

MAT 8237
MT= 59 (n,n') Level
82-Pb-208
Cross Section
-98.54 To 26.25 %
Max Ratio
Min Ratio
TENDL Threshold 4.0570 MeV
CENDL3.2 Threshold 4.0566 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
15
82-Pb-208

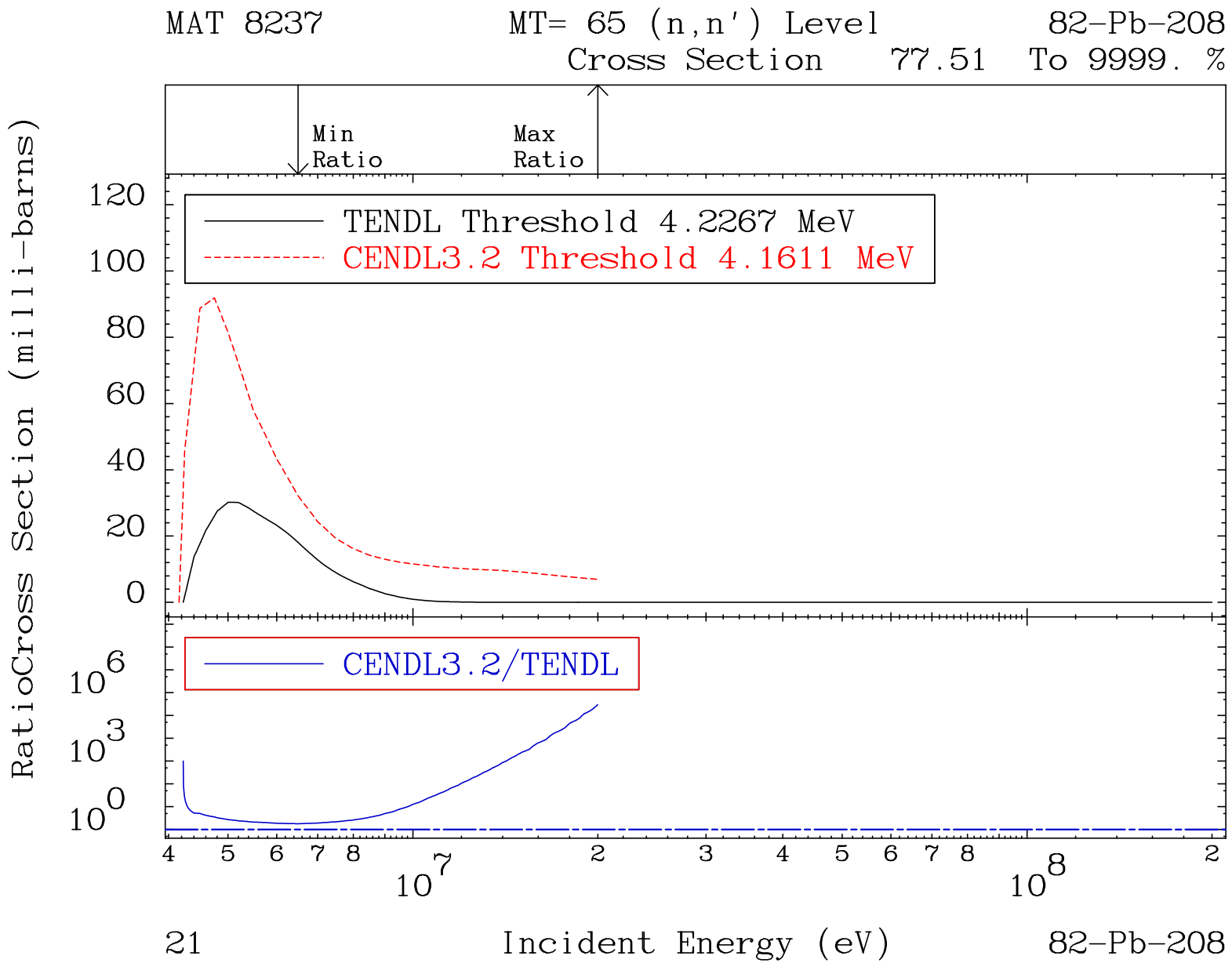

MAT 8237
MT= 60 (n,n') Level
82-Pb-208
Cross Section -97.02 To -6.016%
Max Ratio
Min Ratio
TENDL Threshold 4.0708 MeV
CENDL3.2 Threshold 4.0646 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
10^{0}
10^{-1}
4 5 6 7 8 10^{7} 2 3 4 5 6 7 8 10^{8} 2
16
Incident Energy (eV)
82-Pb-208

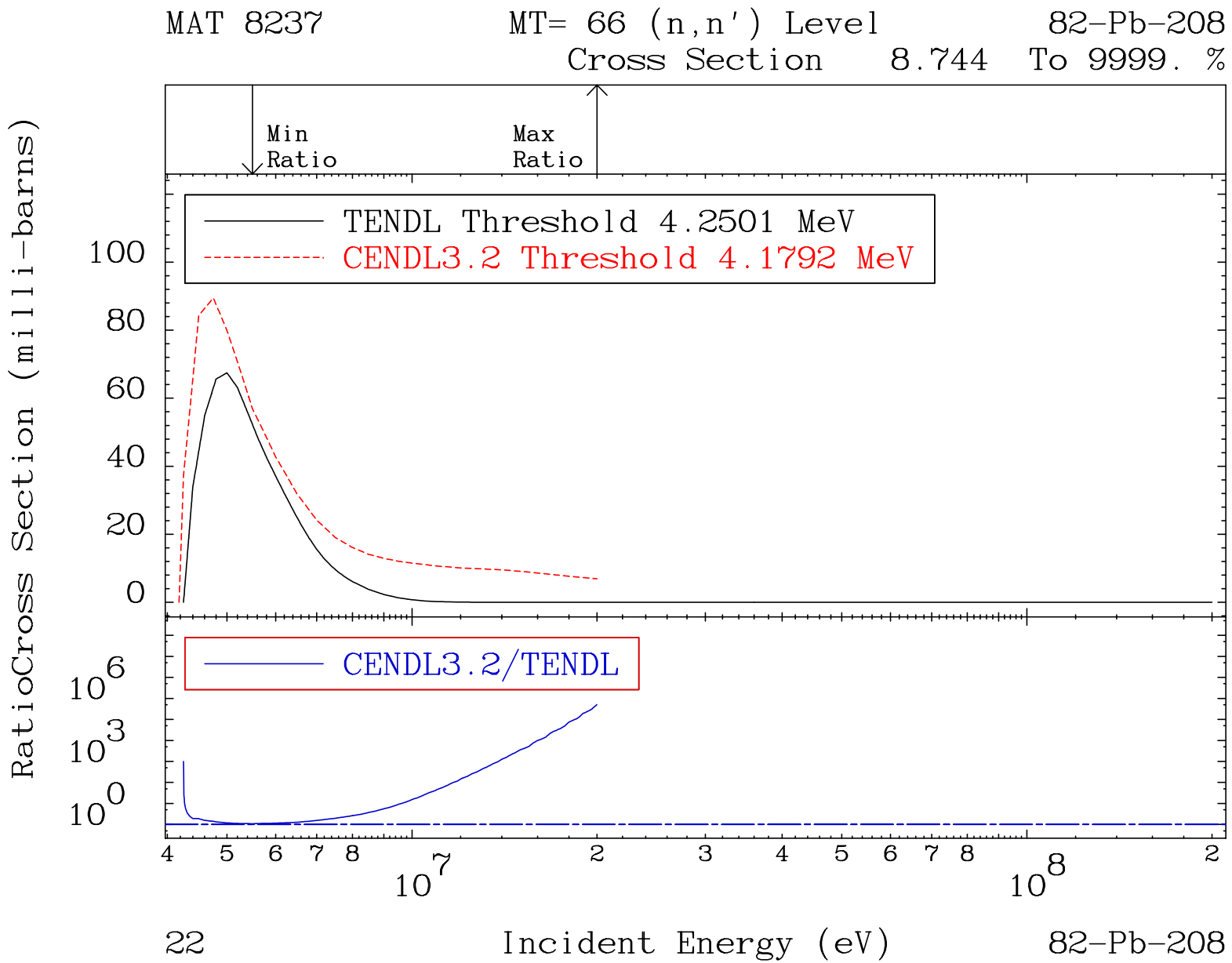

MAT 8237
MT= 61 (n,n') Level
82-Pb-208
Cross Section -32.94 To 2224. %
Min Ratio
Max Ratio
TENDL Threshold 4.1053 MeV
CENDL3.2 Threshold 4.0701 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
120
80
40
0
10^1
10^0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
17
Incident Energy (eV)
82-Pb-208

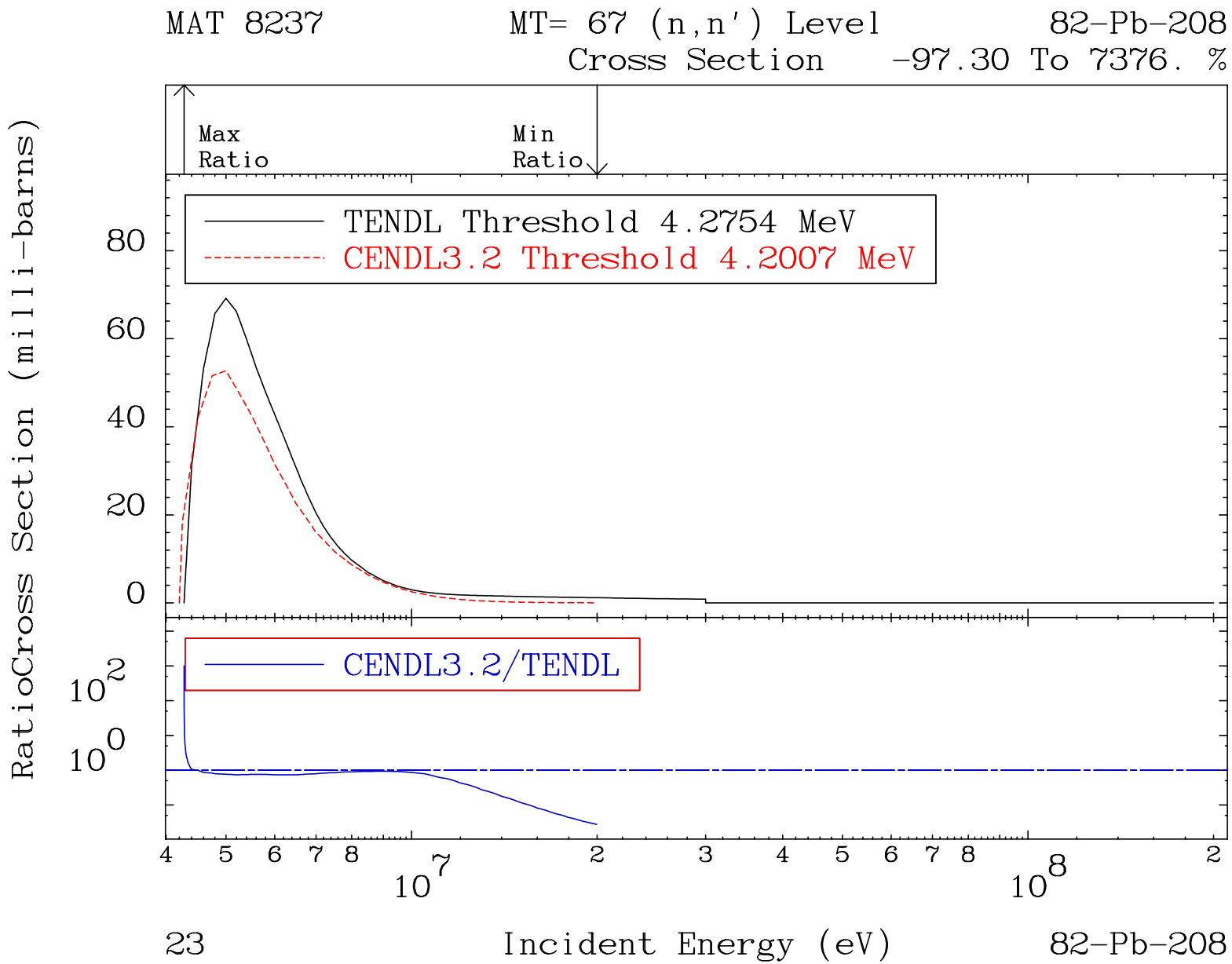

MAT 8237
MT= 62 (n,n') Level
82-Pb-208
Cross Section 6.557 To 974.1 %
Max Ratio
Min Ratio
TENDL Threshold 4.1454 MeV
CENDL3.2 Threshold 4.1052 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
4
10^1
4
10^0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
82-Pb-208

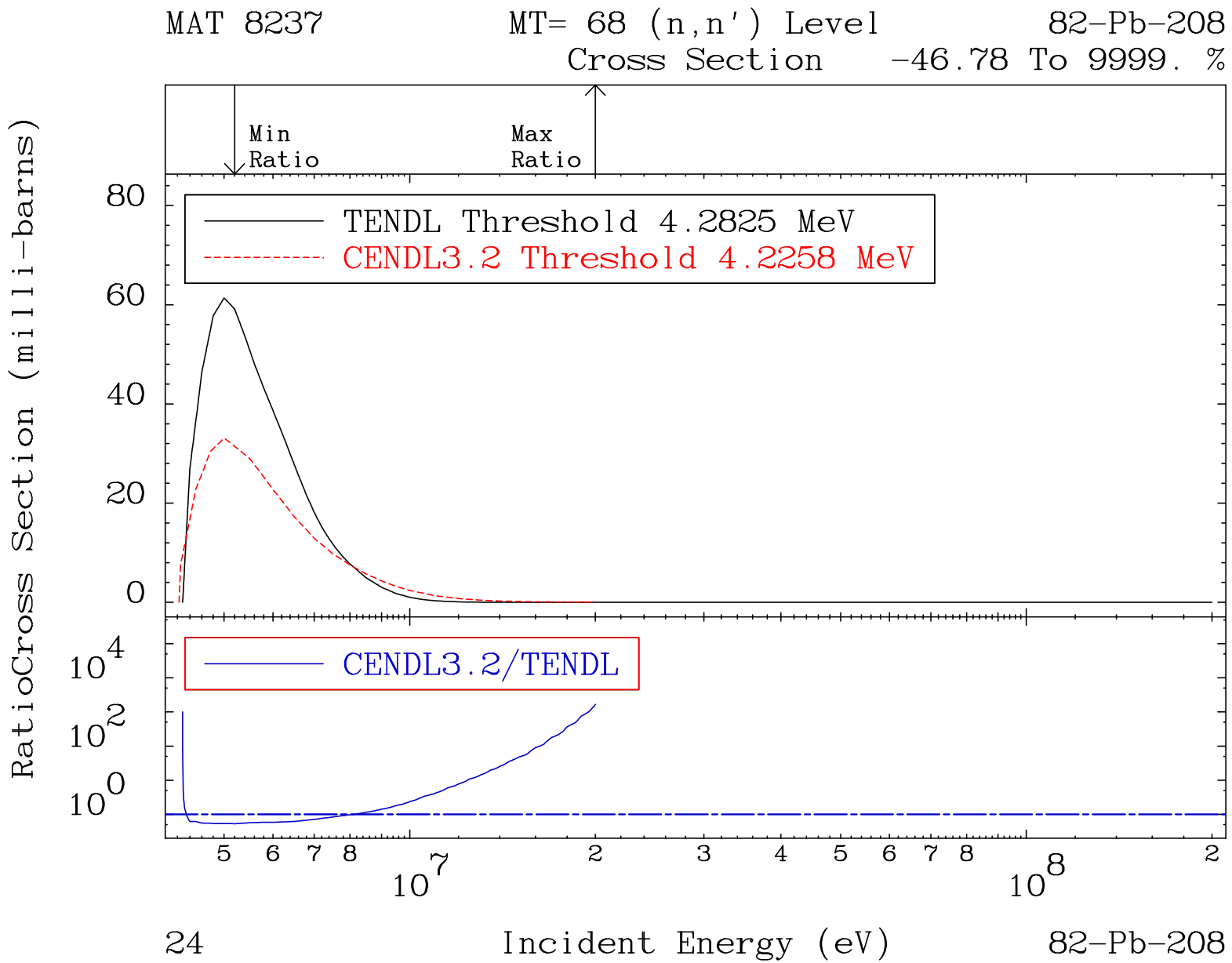

MAT 8237
MT= 63 (n,n') Level
82-Pb-208
Cross Section -7.194 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.1641 MeV
CENDL3.2 Threshold 4.1259 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
10^6
10^3
10^0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
19
Incident Energy (eV)
82-Pb-208

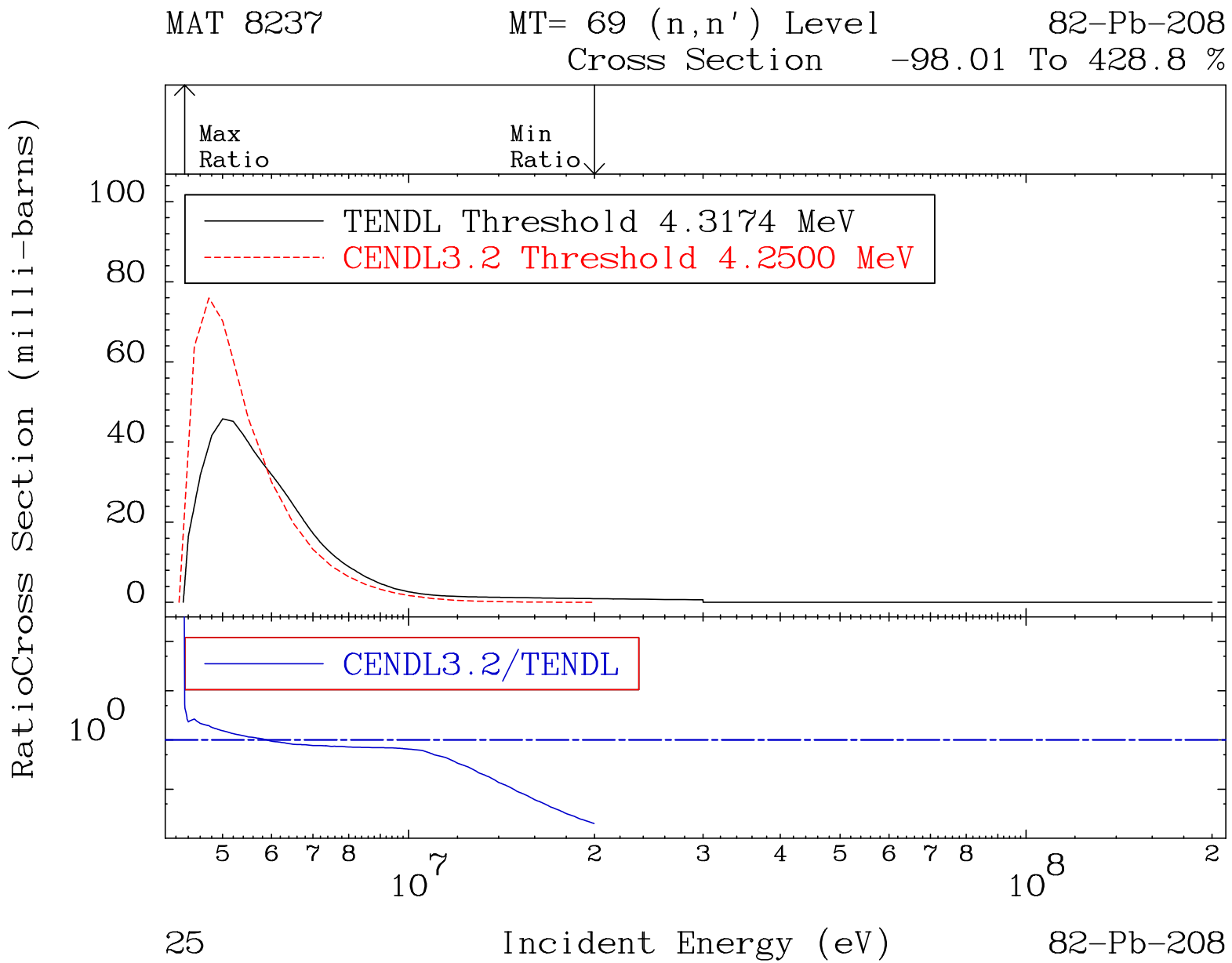

MAT 8237
MT= 64 (n,n') Level
82-Pb-208
Cross Section -96.73 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.2007 MeV
CENDL3.2 Threshold 4.1453 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
10^6
10^3
10^0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
82-Pb-208

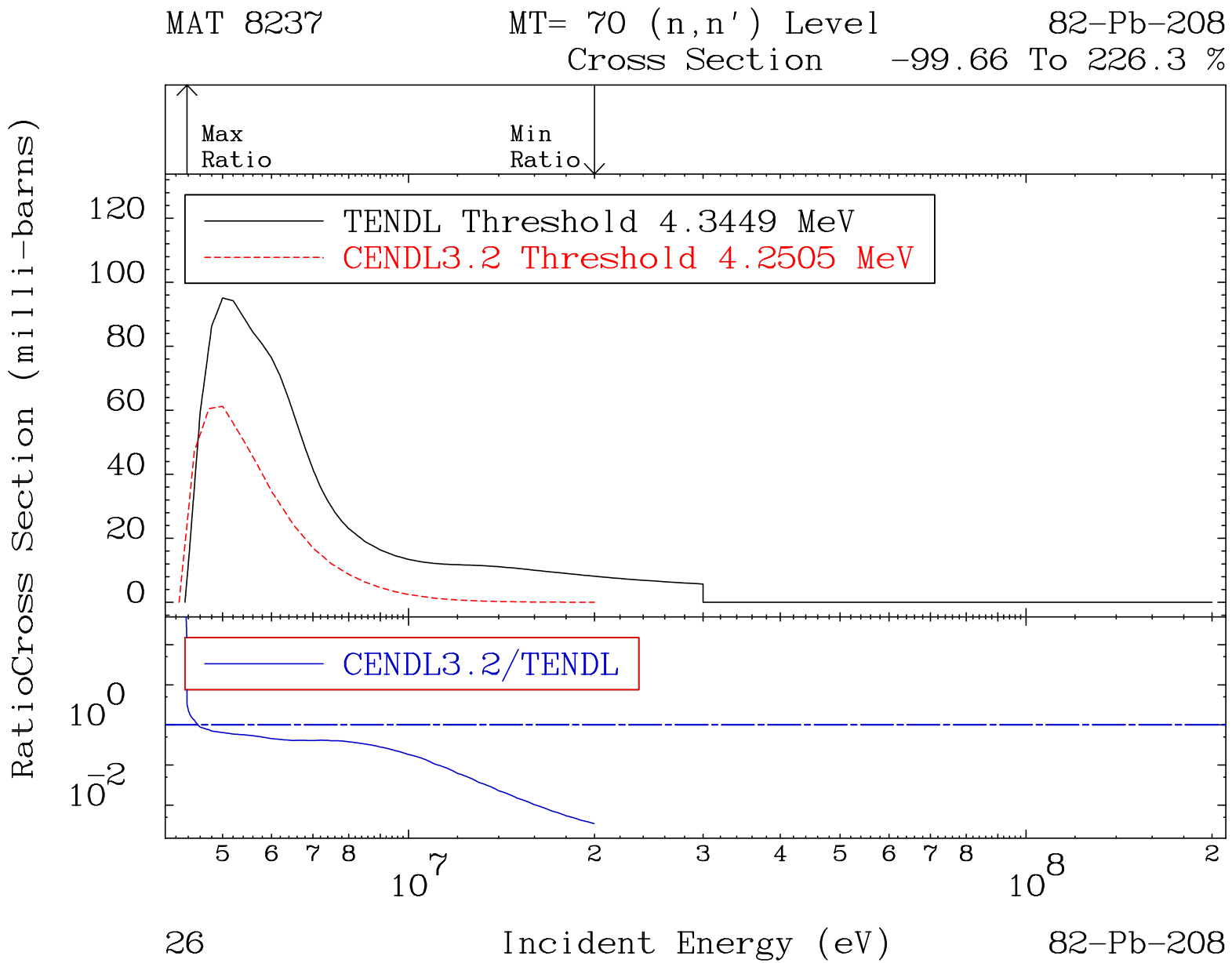

MAT 8237
MT= 65 (n,n') Level
82-Pb-208
Cross Section 77.51 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.2267 MeV
CENDL3.2 Threshold 4.1611 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
10^6
10^3
10^0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
21
Incident Energy (eV)
82-Pb-208

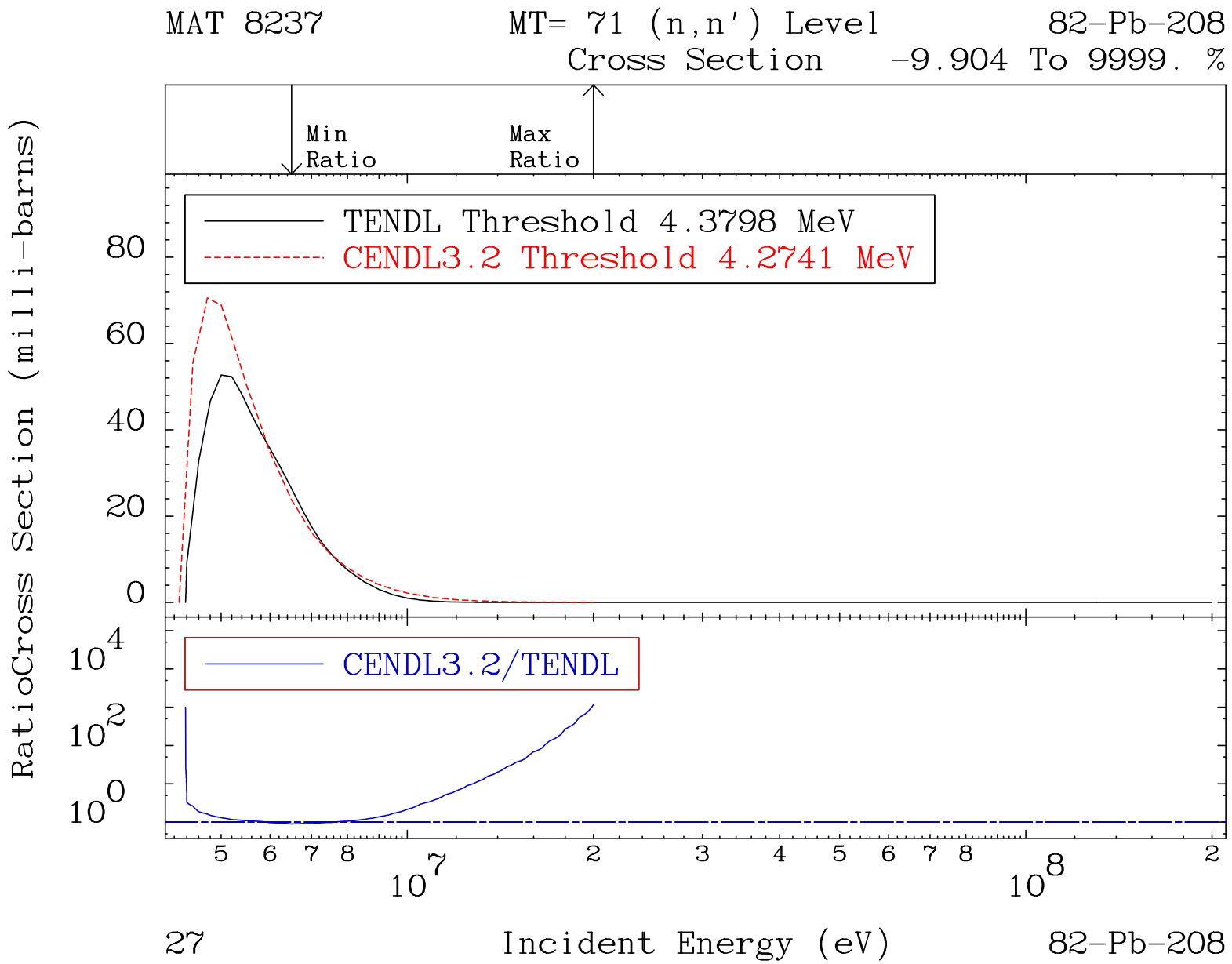

MAT 8237
MT= 66 (n,n') Level
82-Pb-208
Cross Section 8.744 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.2501 MeV
CENDL3.2 Threshold 4.1792 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
10^6
10^3
10^0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
82-Pb-208

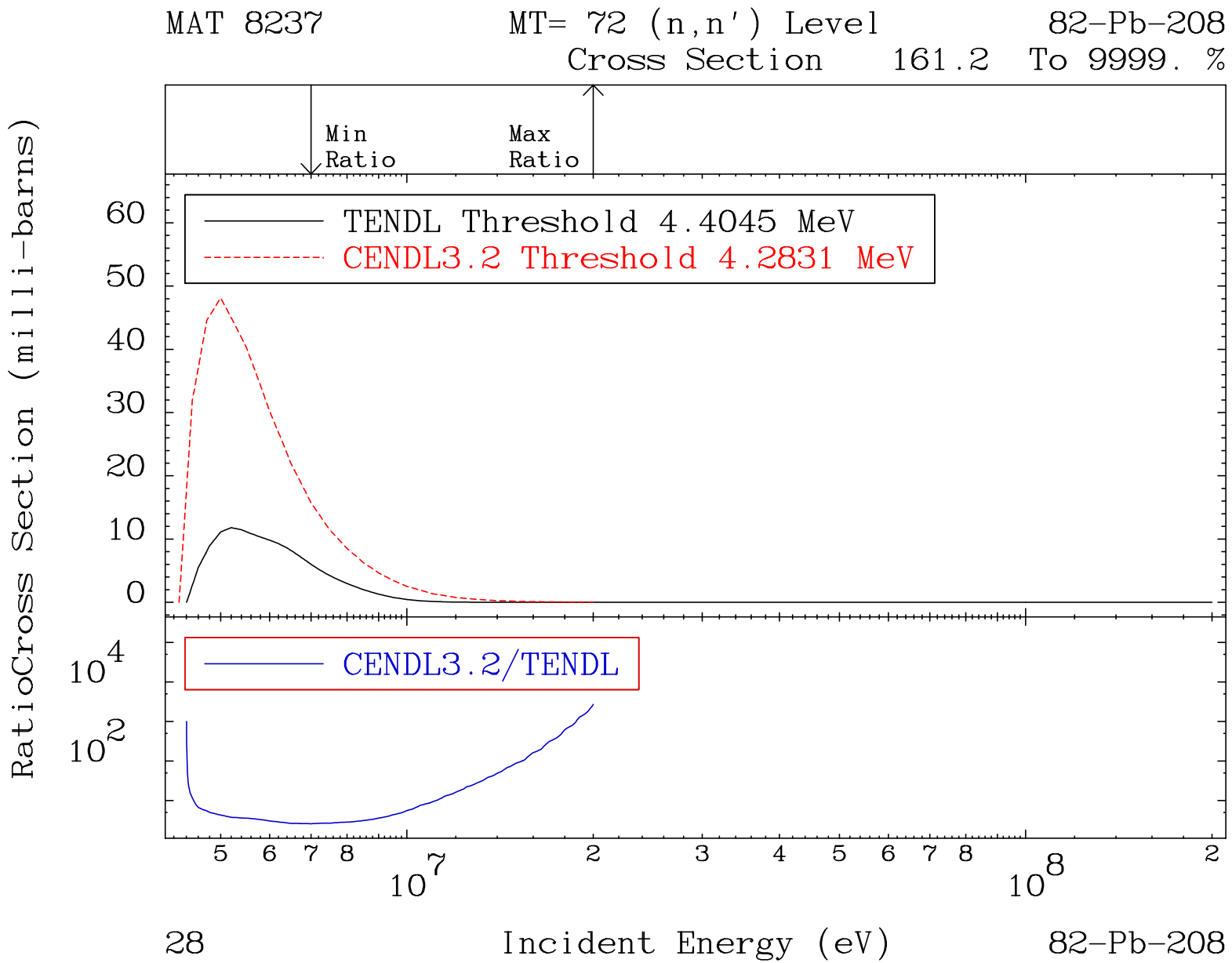

MAT 8237
MT= 67 (n,n') Level
82-Pb-208
Cross Section -97.30 To 7376. %
Max Ratio
Min Ratio
TENDL Threshold 4.2754 MeV
CENDL3.2 Threshold 4.2007 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
23
82-Pb-208

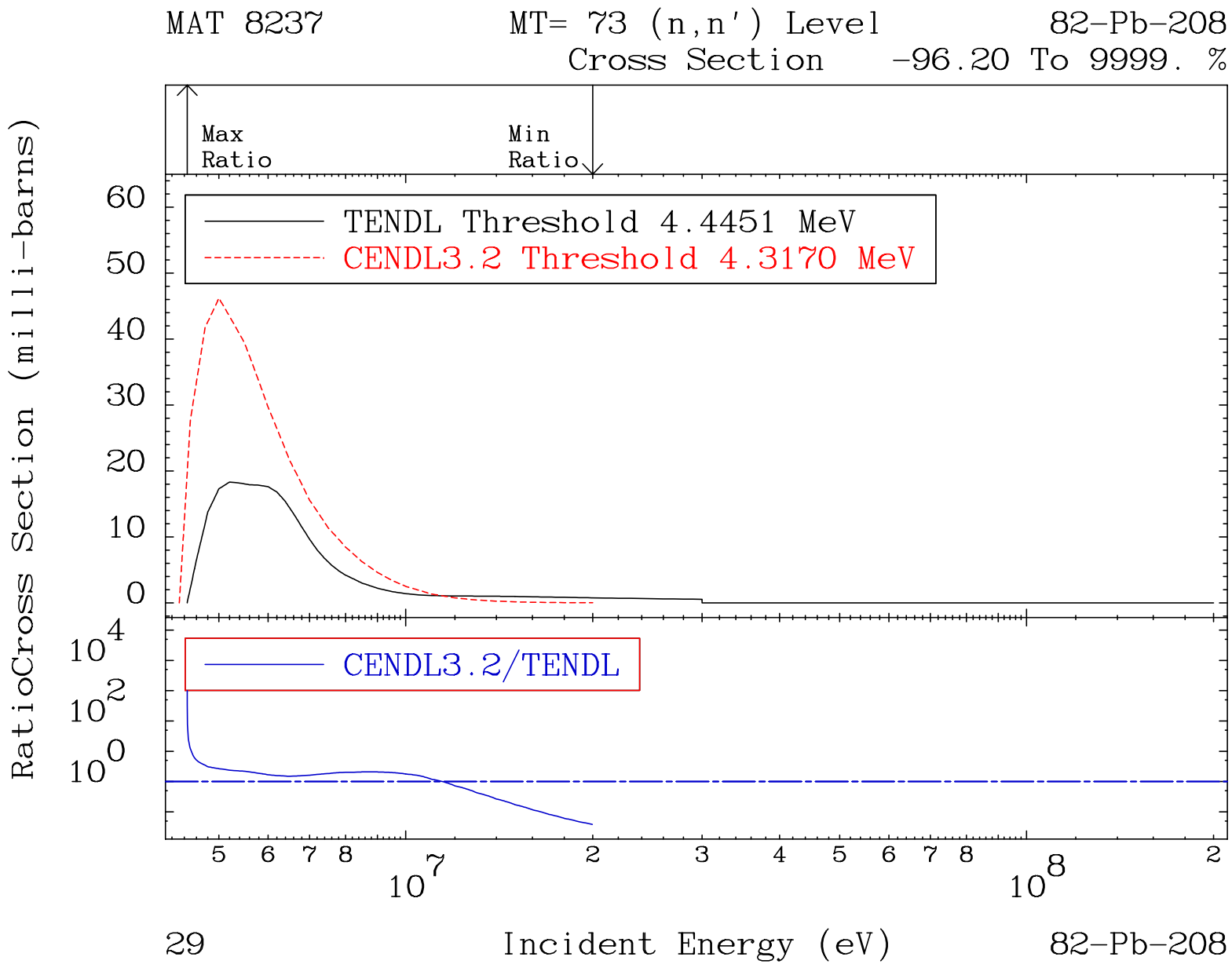

MAT 8237
MT= 68 (n,n') Level
82-Pb-208
Cross Section -46.78 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.2825 MeV
CENDL3.2 Threshold 4.2258 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
24
82-Pb-208

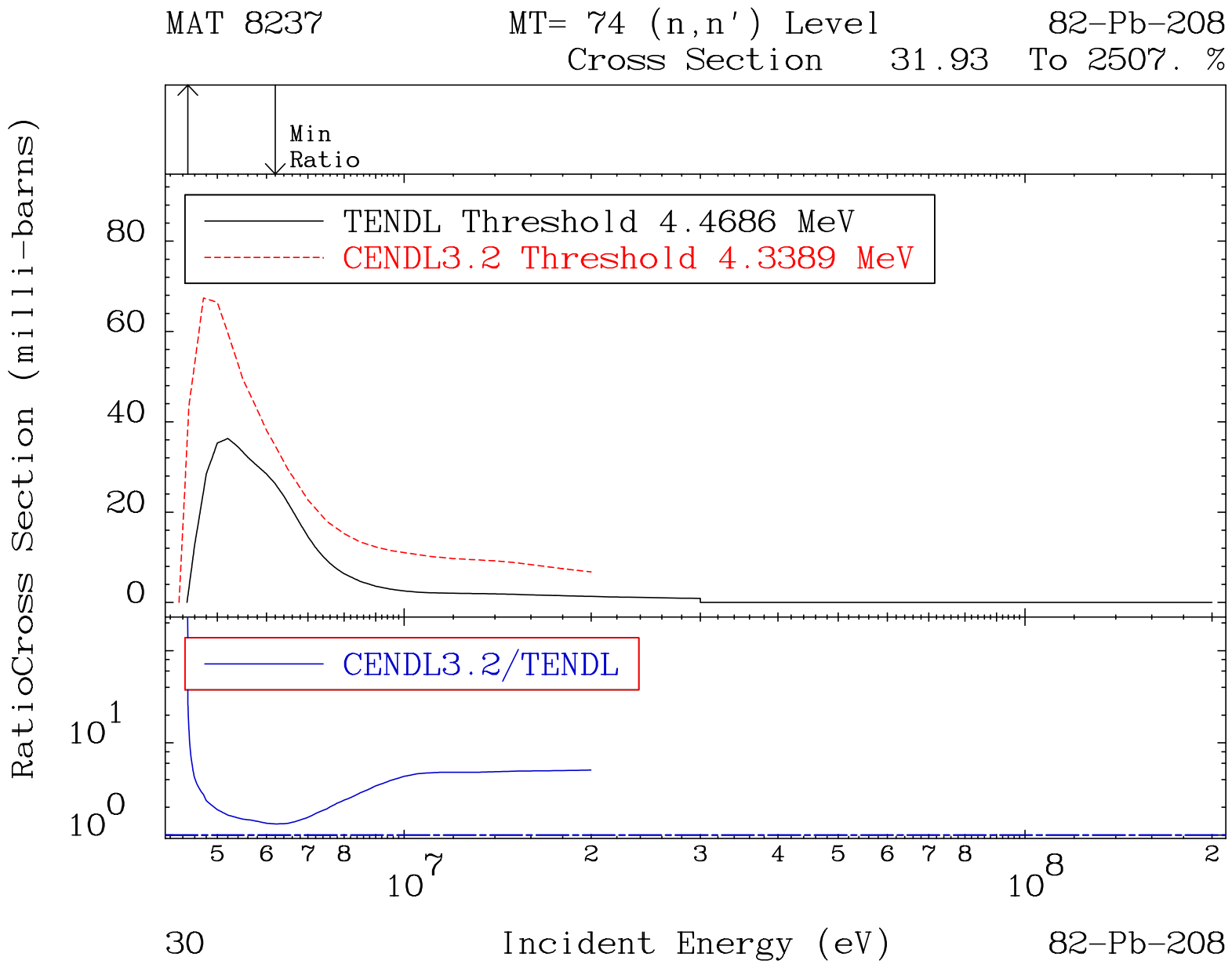

MAT 8237
MT= 69 (n,n') Level
82-Pb-208
Cross Section -98.01 To 428.8 %
Max Ratio
Min Ratio
TENDL Threshold 4.3174 MeV
CENDL3.2 Threshold 4.2500 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
10^0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
25
Incident Energy (eV)
82-Pb-208

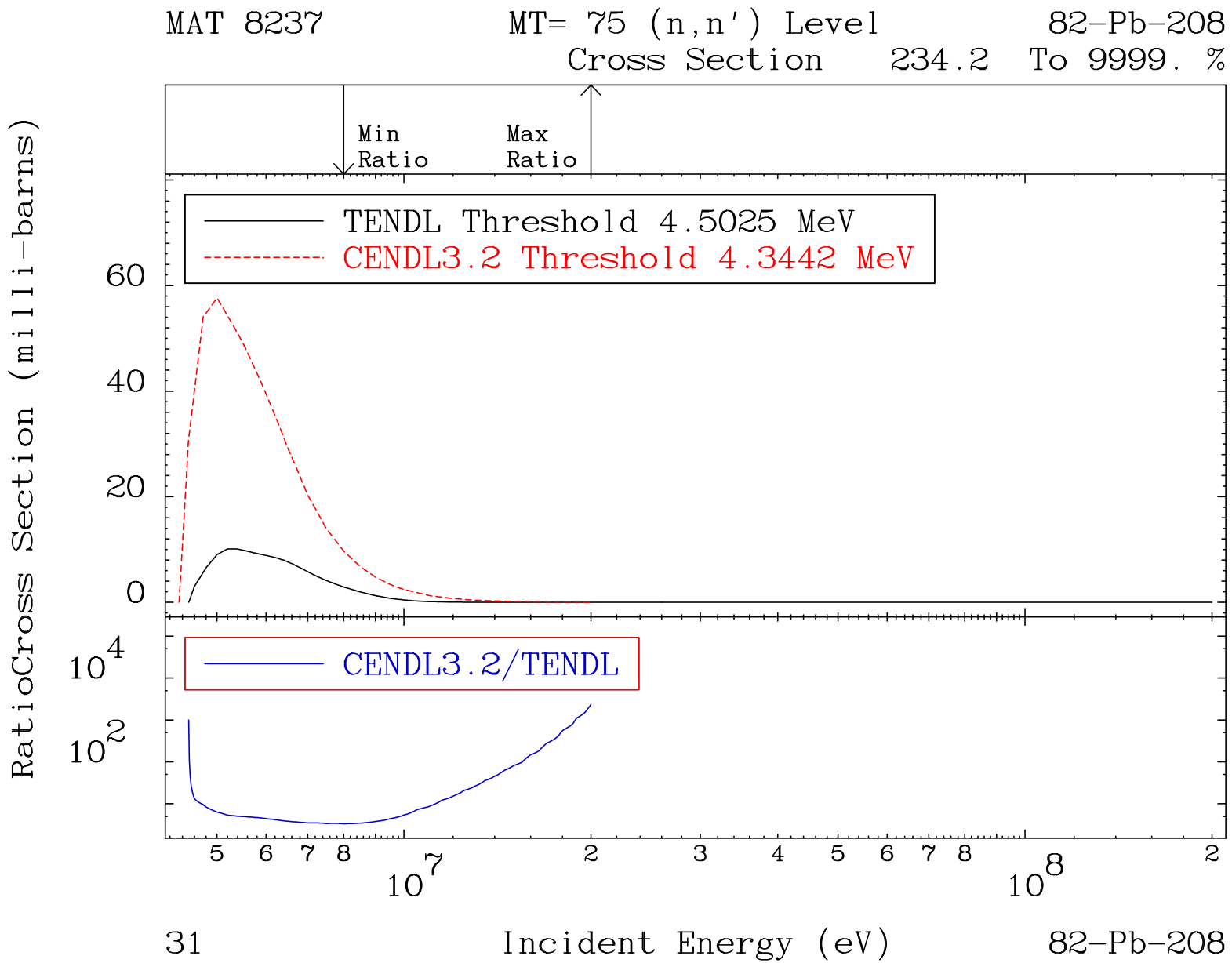

MAT 8237
MT= 70 (n,n') Level
82-Pb-208
Cross Section -99.66 To 226.3 %
Max Ratio
Min Ratio
TENDL Threshold 4.3449 MeV
CENDL3.2 Threshold 4.2505 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
10^{0}
10^{-2}
5 6 7 8 10^{7} 2 3 4 5 6 7 8 10^{8} 2
Incident Energy (eV)
26
82-Pb-208

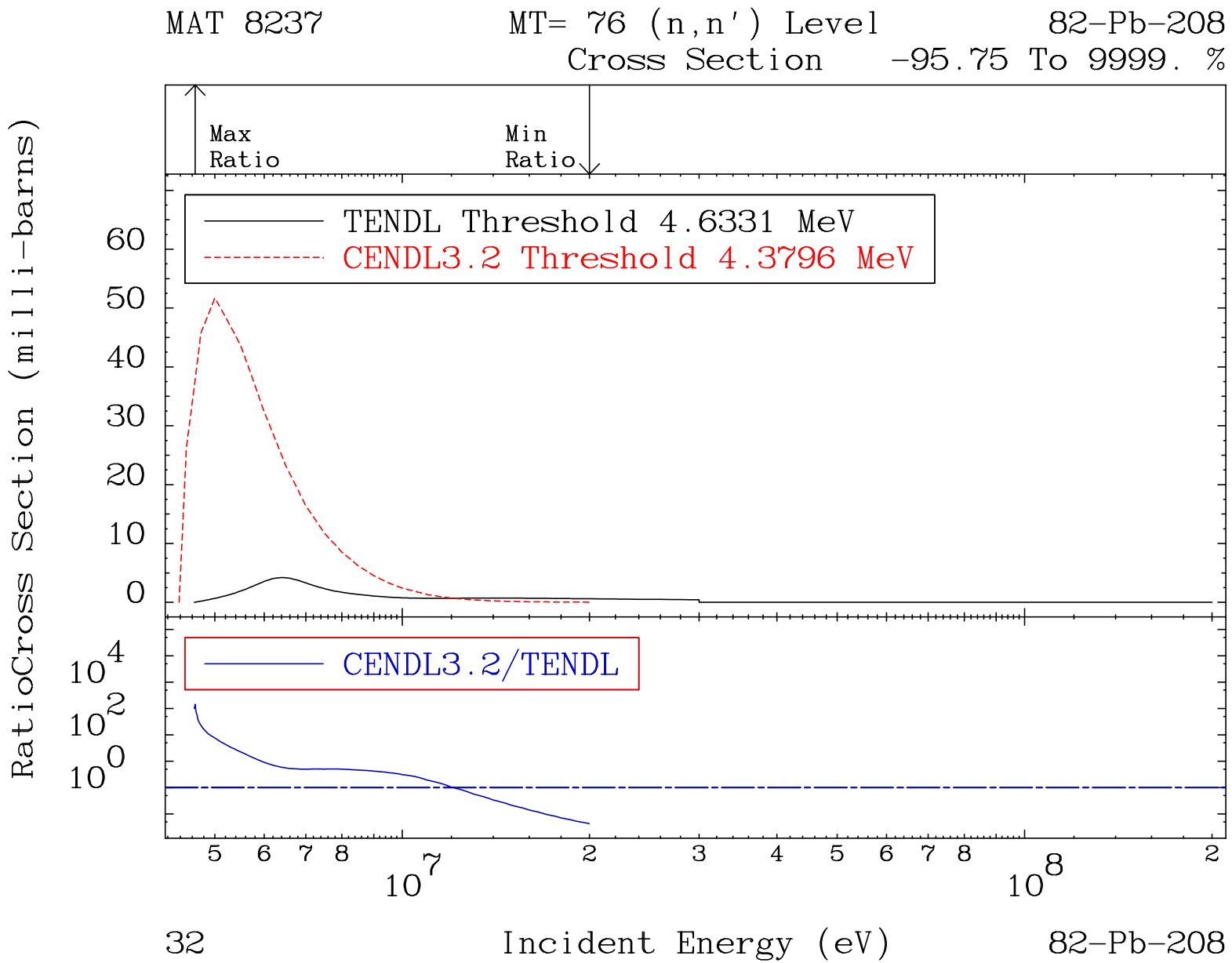

MAT 8237
MT= 71 (n,n') Level
82-Pb-208
Cross Section -9.904 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.3798 MeV
CENDL3.2 Threshold 4.2741 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
27
82-Pb-208

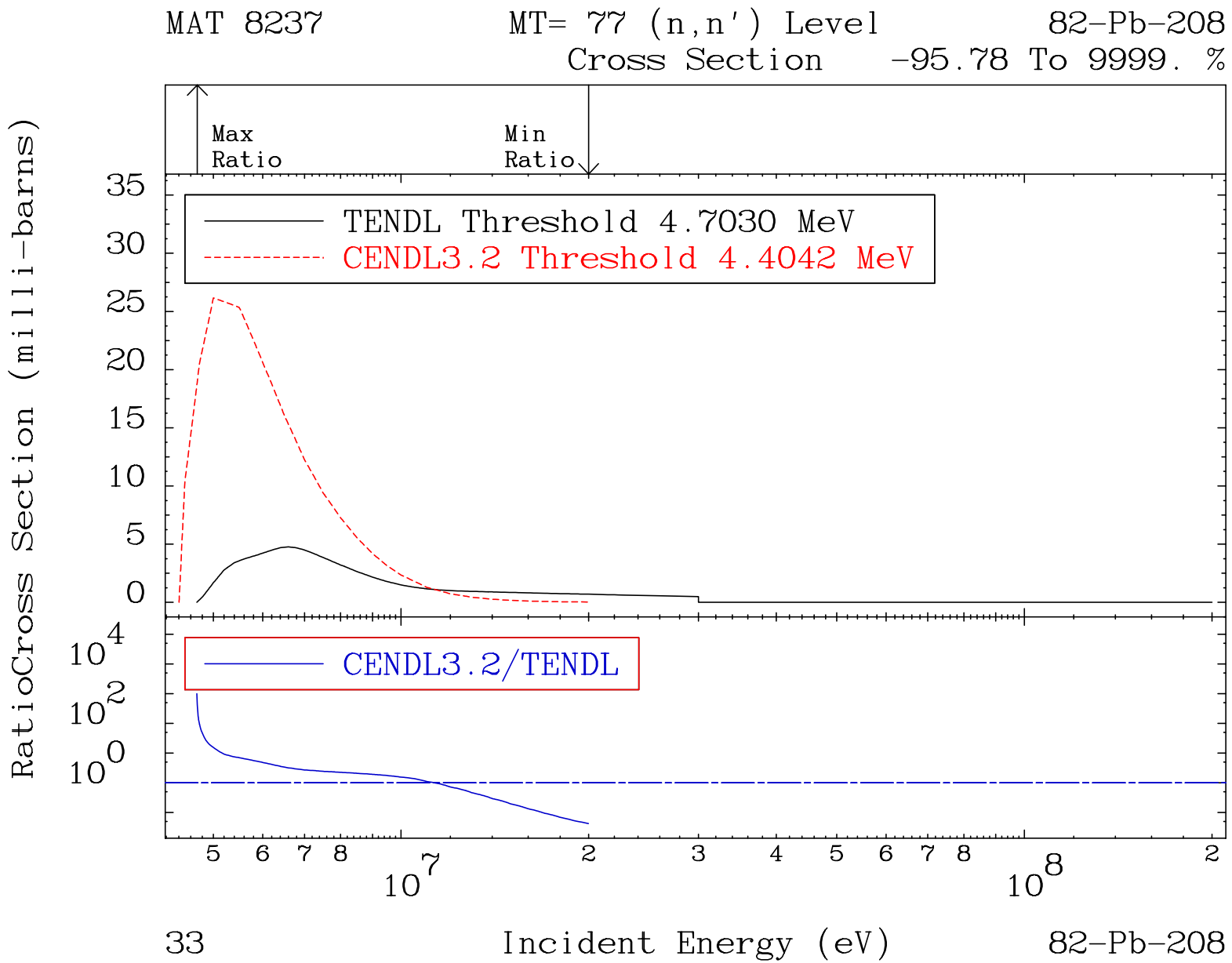

MAT 8237
MT= 72 (n,n') Level
82-Pb-208
Cross Section 161.2 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.4045 MeV
CENDL3.2 Threshold 4.2831 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
10^4
10^2
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
82-Pb-208

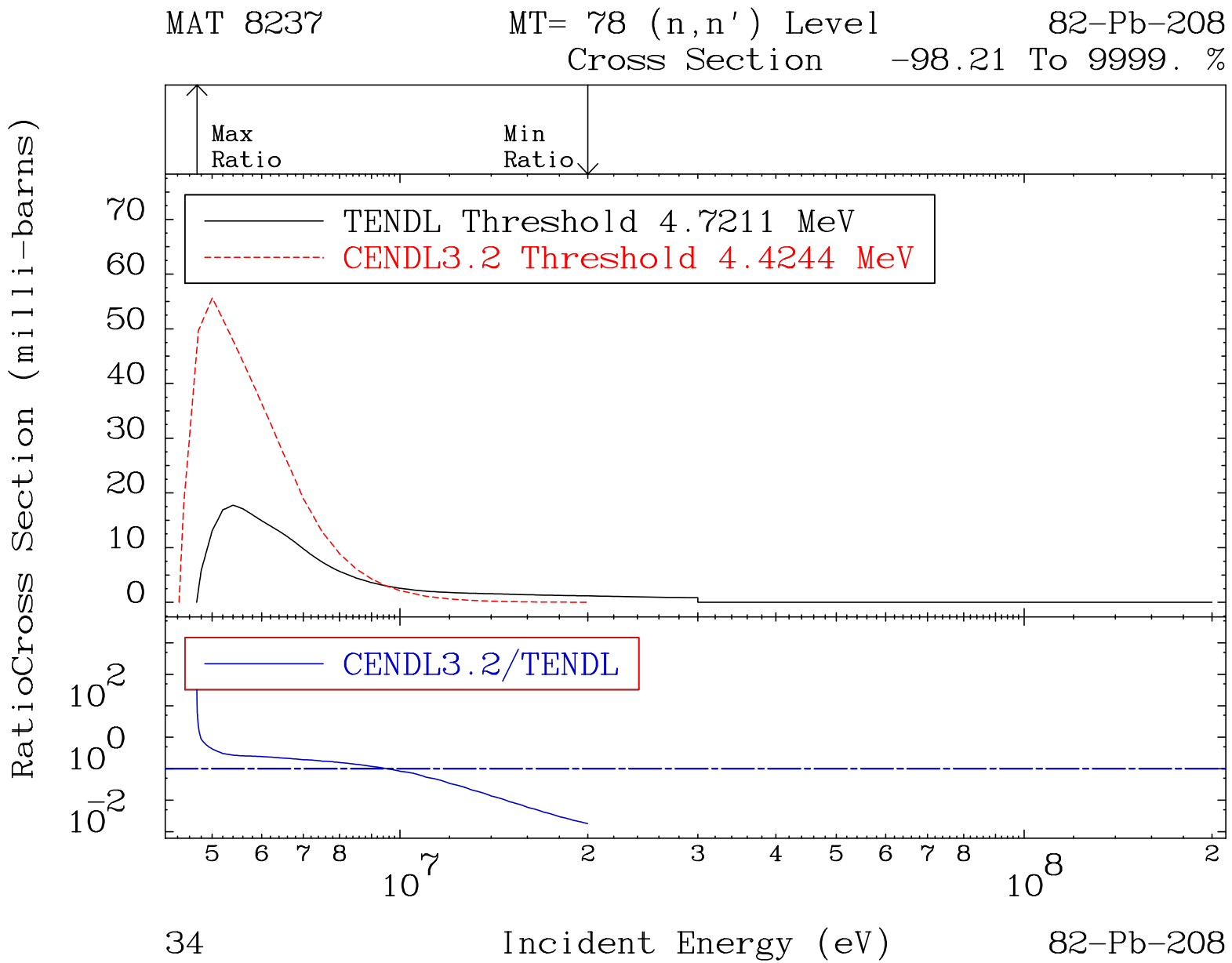

MAT 8237
MT= 73 (n,n') Level
Cross Section
82-Pb-208
-96.20 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.4451 MeV
CENDL3.2 Threshold 4.3170 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
29
82-Pb-208

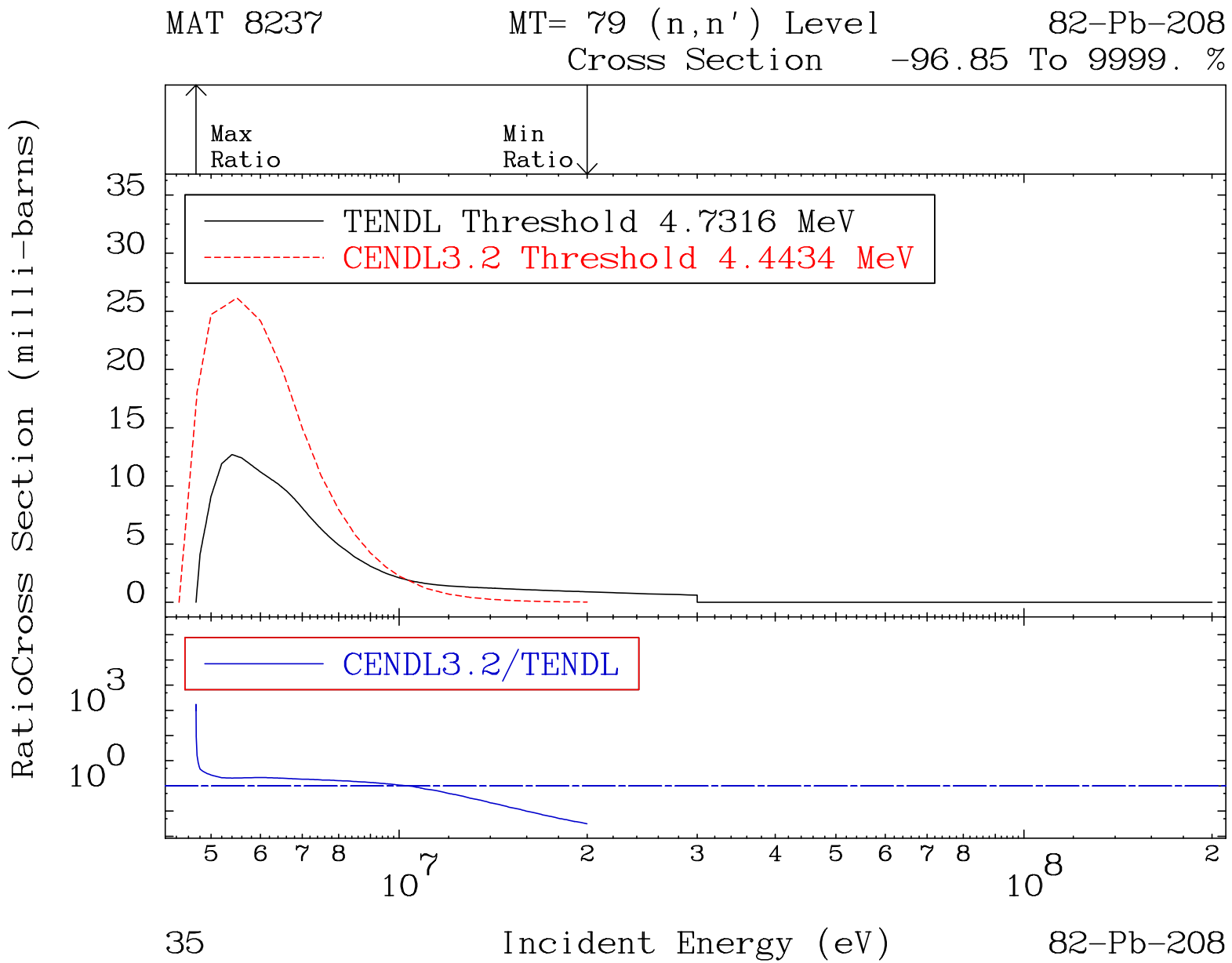

MAT 8237
MT= 74 (n,n') Level
82-Pb-208
Cross Section 31.93 To 2507. %
Min
Ratio
TENDL Threshold 4.4686 MeV
CENDL3.2 Threshold 4.3389 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
10^1
10^0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
82-Pb-208

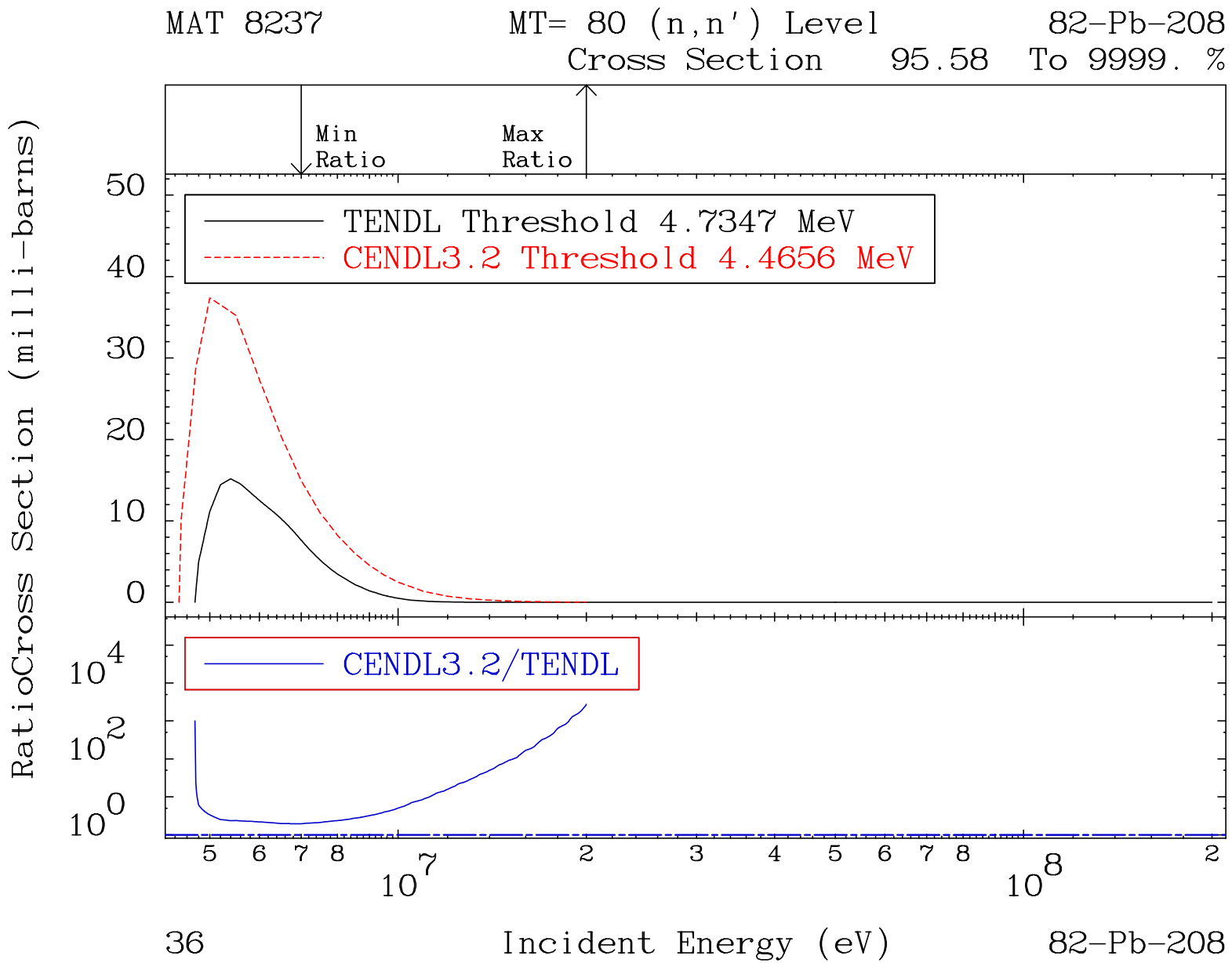

MAT 8237
MT= 75 (n,n') Level
82-Pb-208
Cross Section 234.2 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.5025 MeV
CENDL3.2 Threshold 4.3442 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
60
40
20
0
10^4
10^2
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
31
Incident Energy (eV)
82-Pb-208

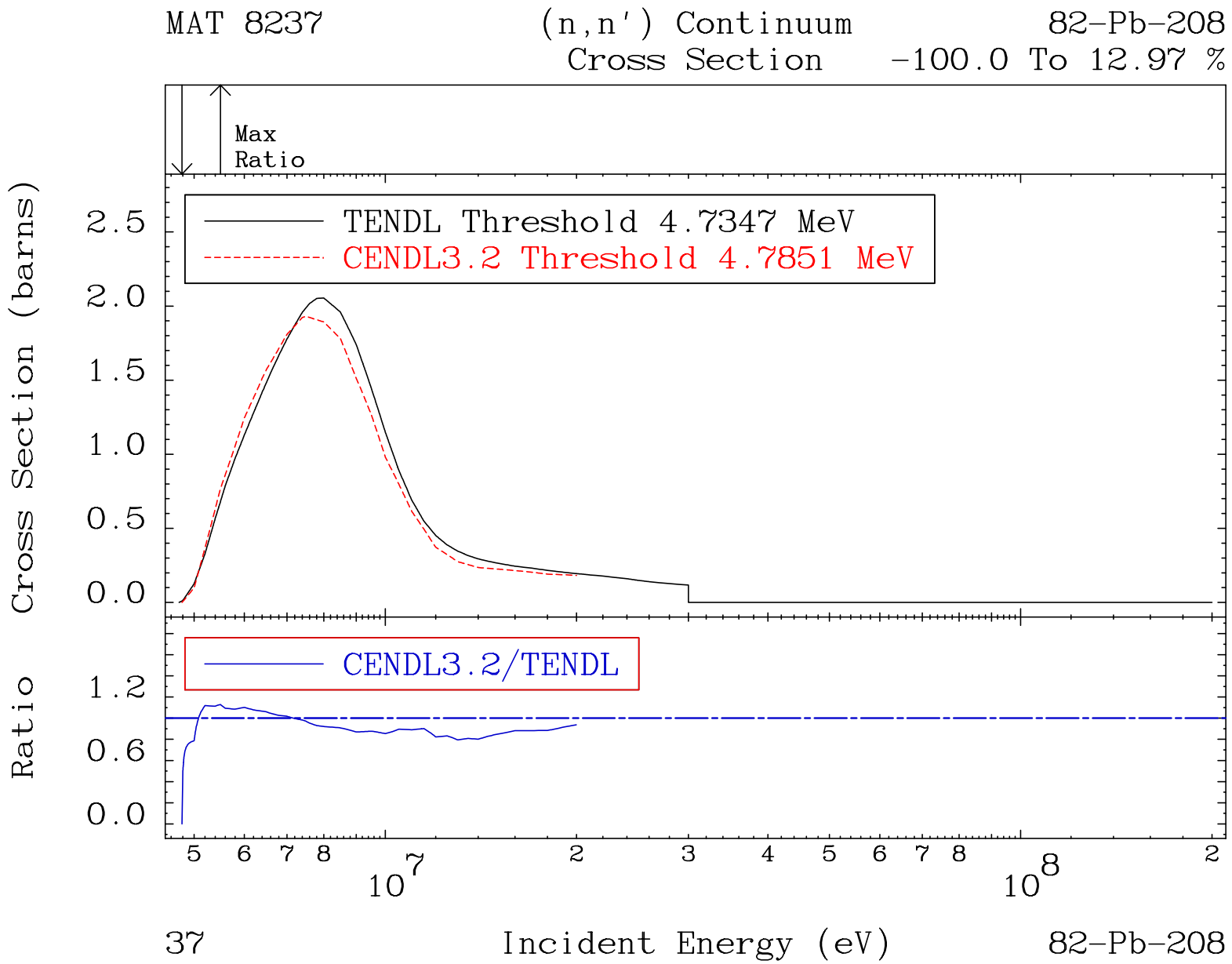

MAT 8237
MT= 76 (n,n') Level
82-Pb-208
Cross Section -95.75 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.6331 MeV
CENDL3.2 Threshold 4.3796 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
10^4
10^2
10^0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
32
Incident Energy (eV)
82-Pb-208

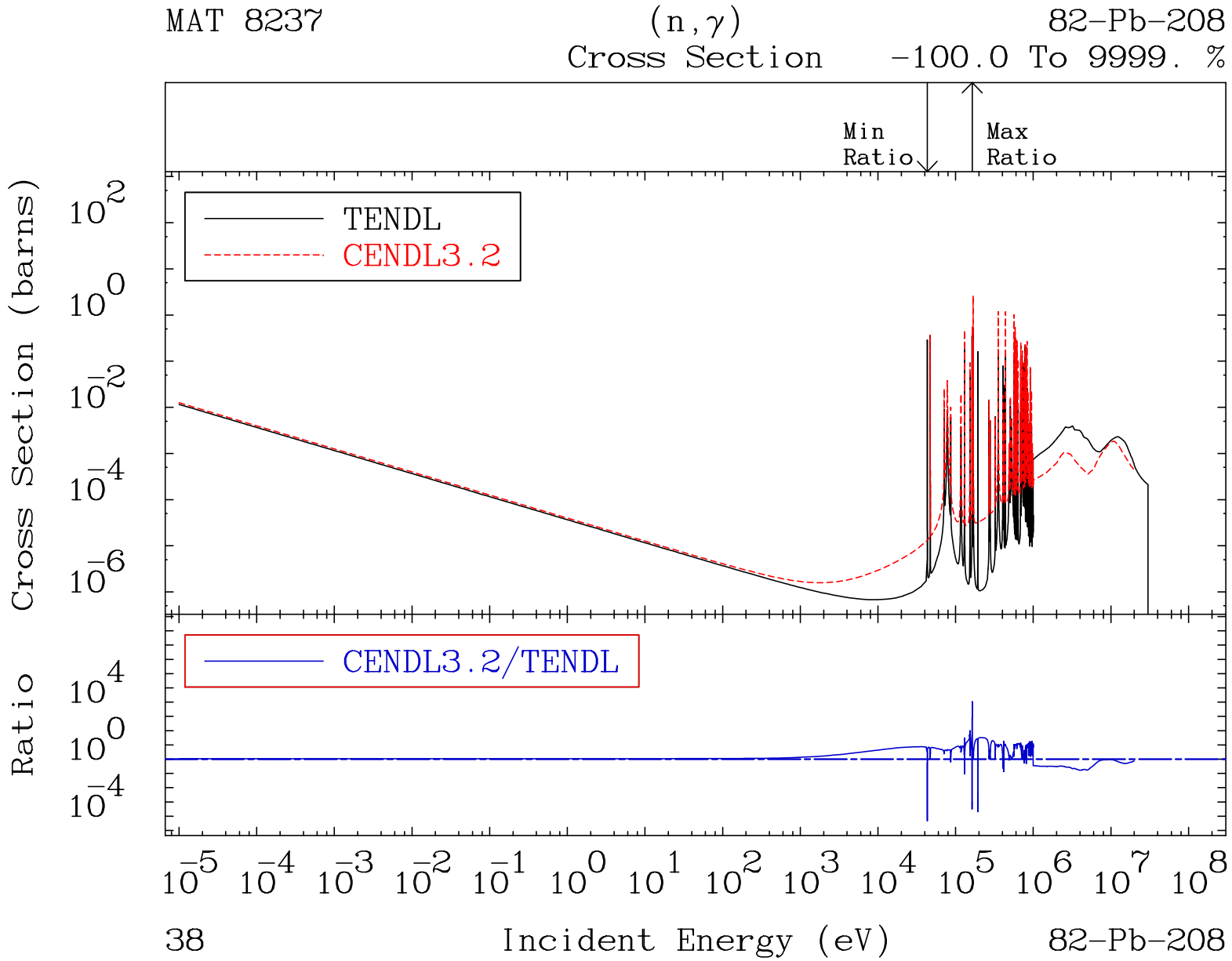

MAT 8237
MT= 77 (n,n') Level
82-Pb-208
Cross Section -95.78 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.7030 MeV
CENDL3.2 Threshold 4.4042 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
10^4
10^2
10^0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
33
Incident Energy (eV)
82-Pb-208

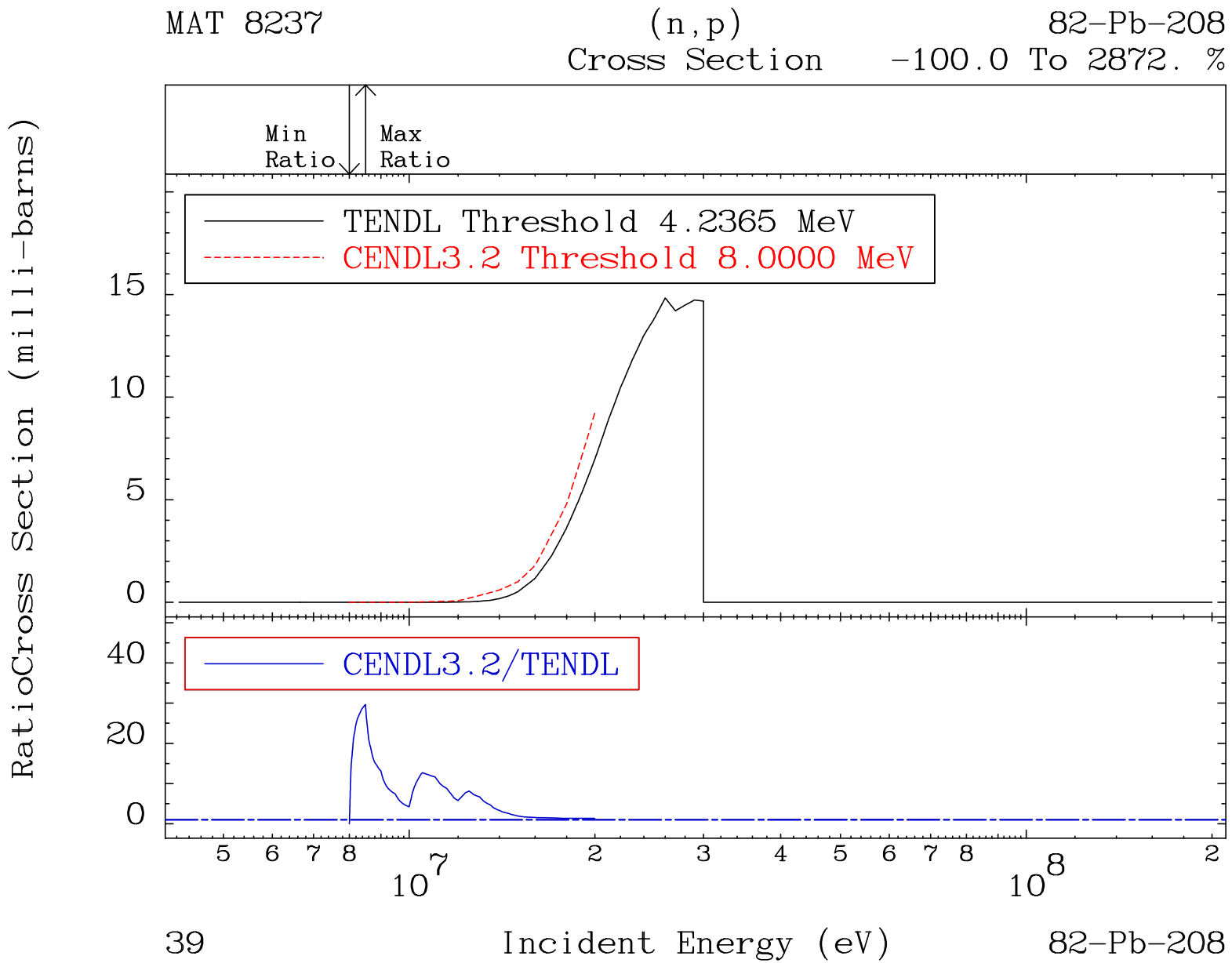

MAT 8237
MT= 78 (n,n') Level
82-Pb-208
Cross Section -98.21 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.7211 MeV
CENDL3.2 Threshold 4.4244 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
10^{2}
10^{0}
10^{-2}
5 6 7 8 10^{7} 2 3 4 5 6 7 8 10^{8} 2
34
Incident Energy (eV)
82-Pb-208

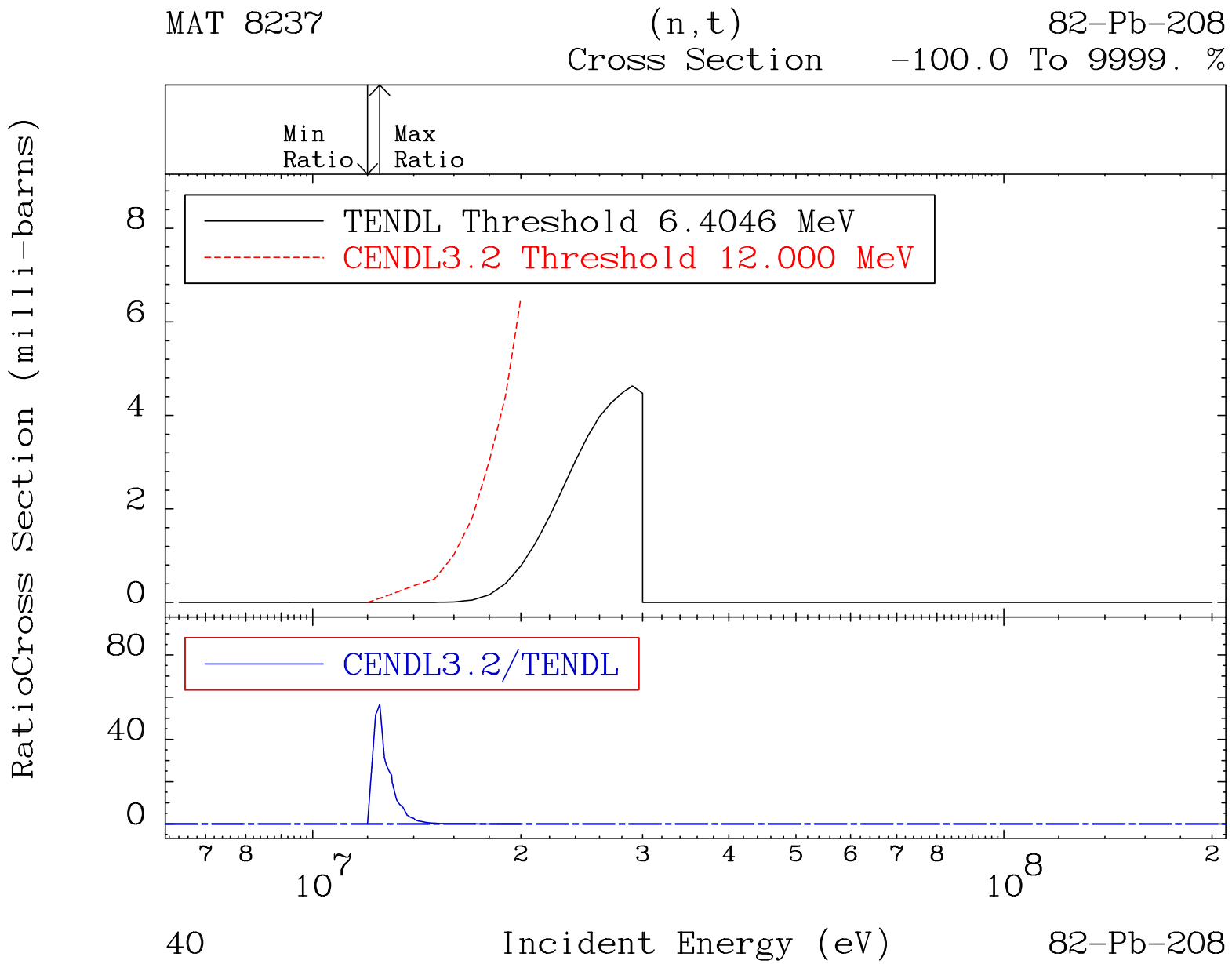

MAT 8237
MT= 79 (n,n') Level
82-Pb-208
Cross Section -96.85 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.7316 MeV
CENDL3.2 Threshold 4.4434 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
10^3
10^0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
82-Pb-208

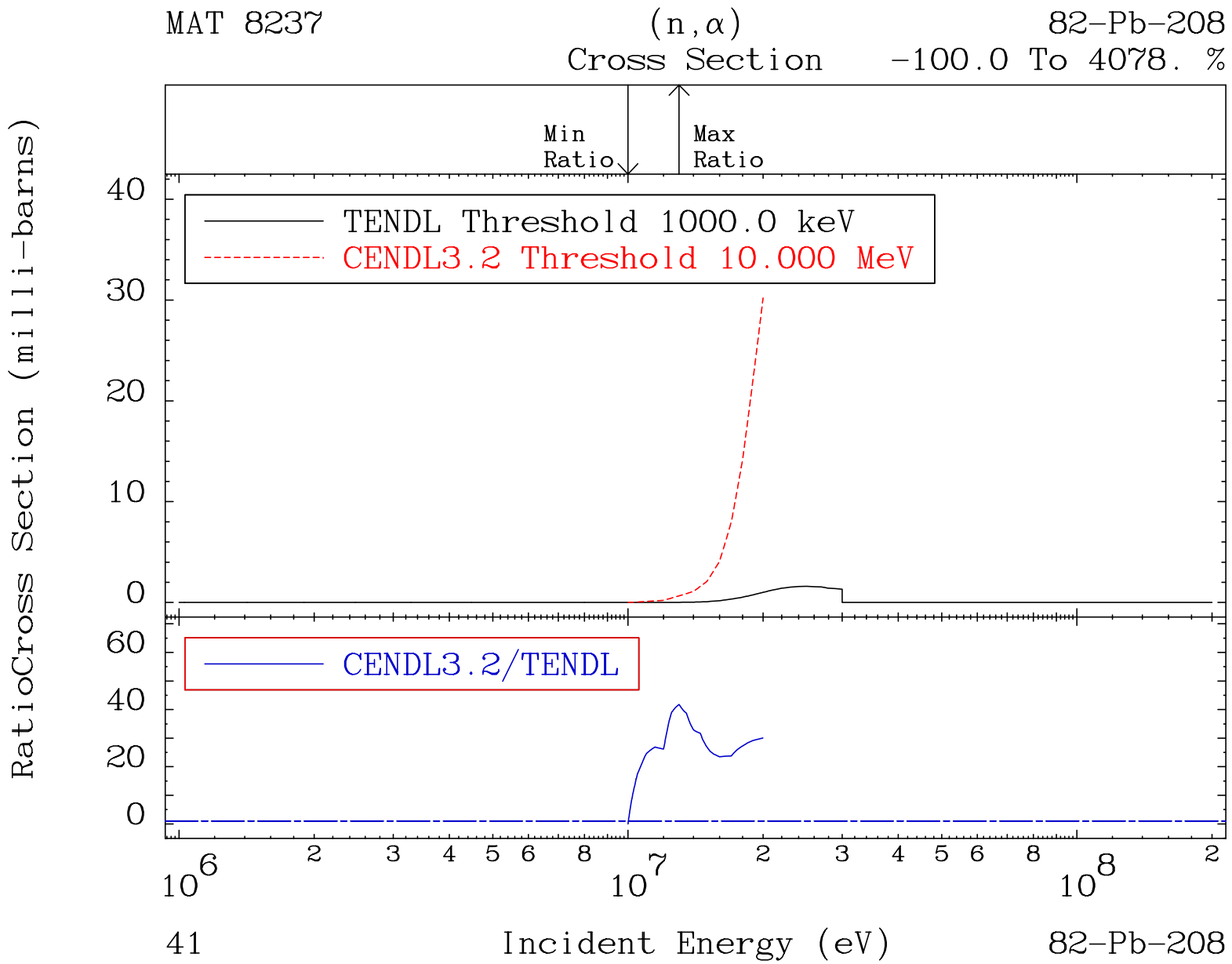

MAT 8237
MT= 80 (n,n') Level
82-Pb-208
Cross Section 95.58 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.7347 MeV
CENDL3.2 Threshold 4.4656 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
10^4
10^2
10^0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
36
Incident Energy (eV)
82-Pb-208

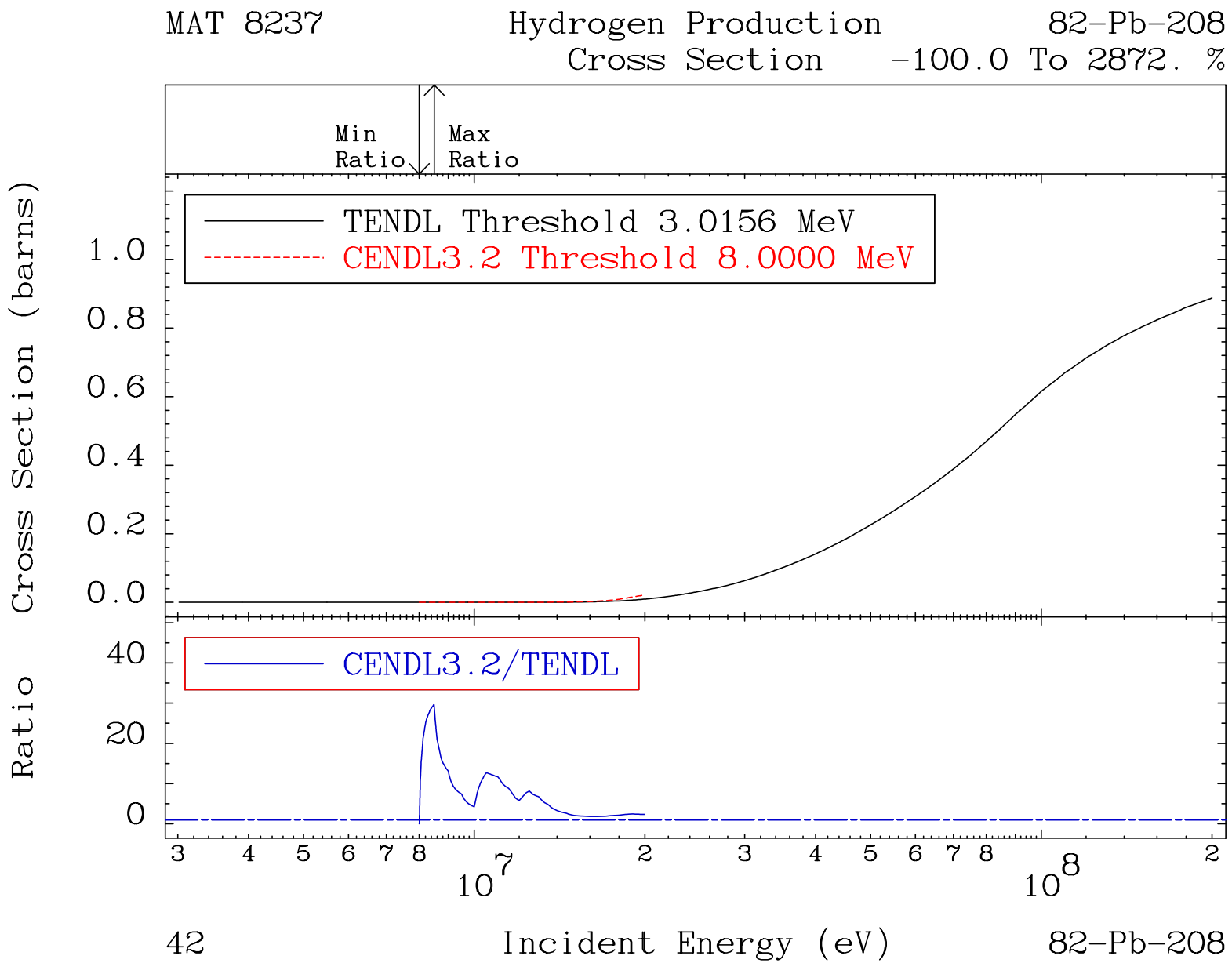

MAT 8237
(n,n') Continuum
Cross Section
82-Pb-208
-100.0 To 12.97 %
Max
Ratio
TENDL Threshold 4.7347 MeV
CENDL3.2 Threshold 4.7851 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
1.2
0.6
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
37
Incident Energy (eV)
82-Pb-208

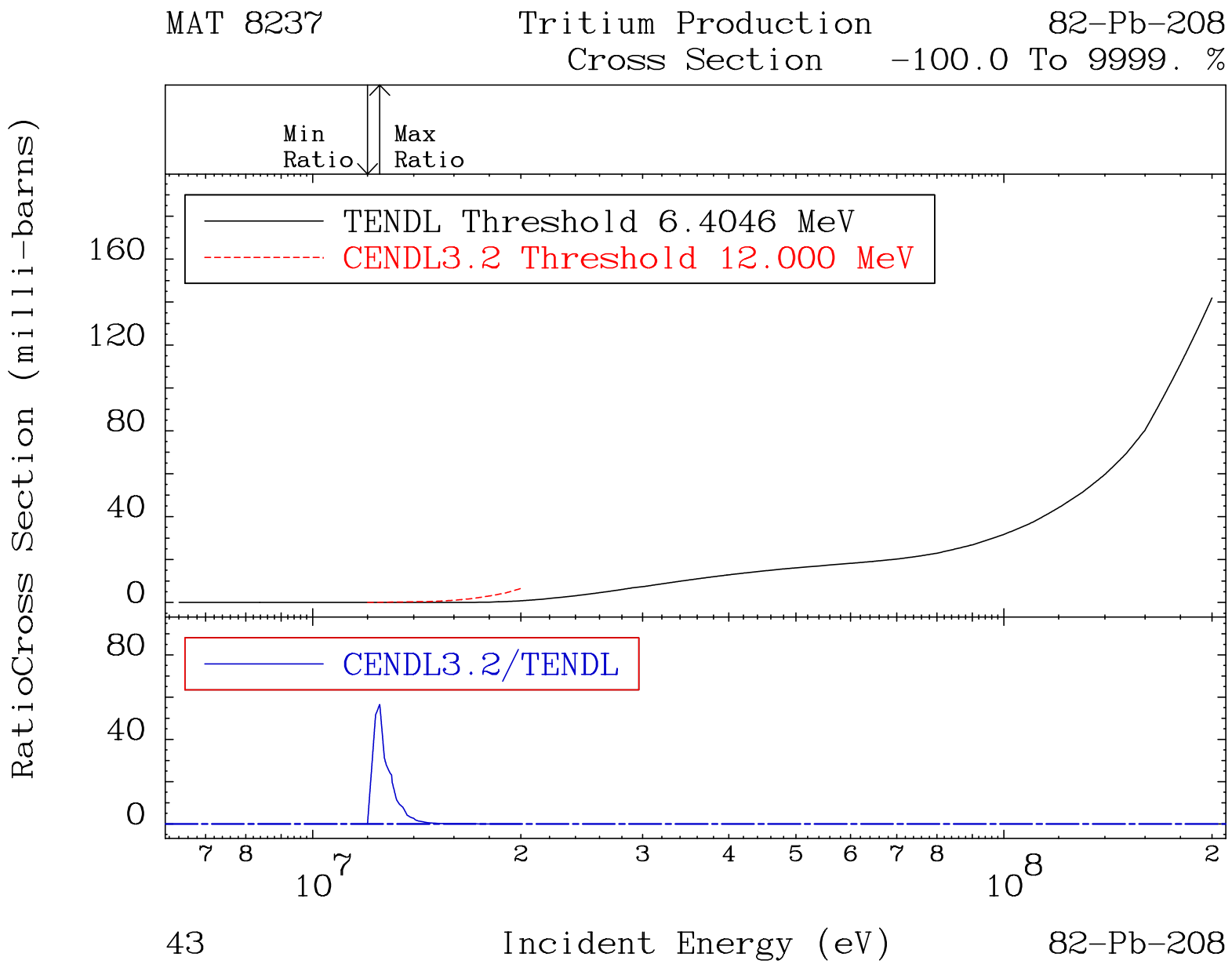

MAT 8237
(n,γ)
Cross Section
82-Pb-208
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
38
82-Pb-208

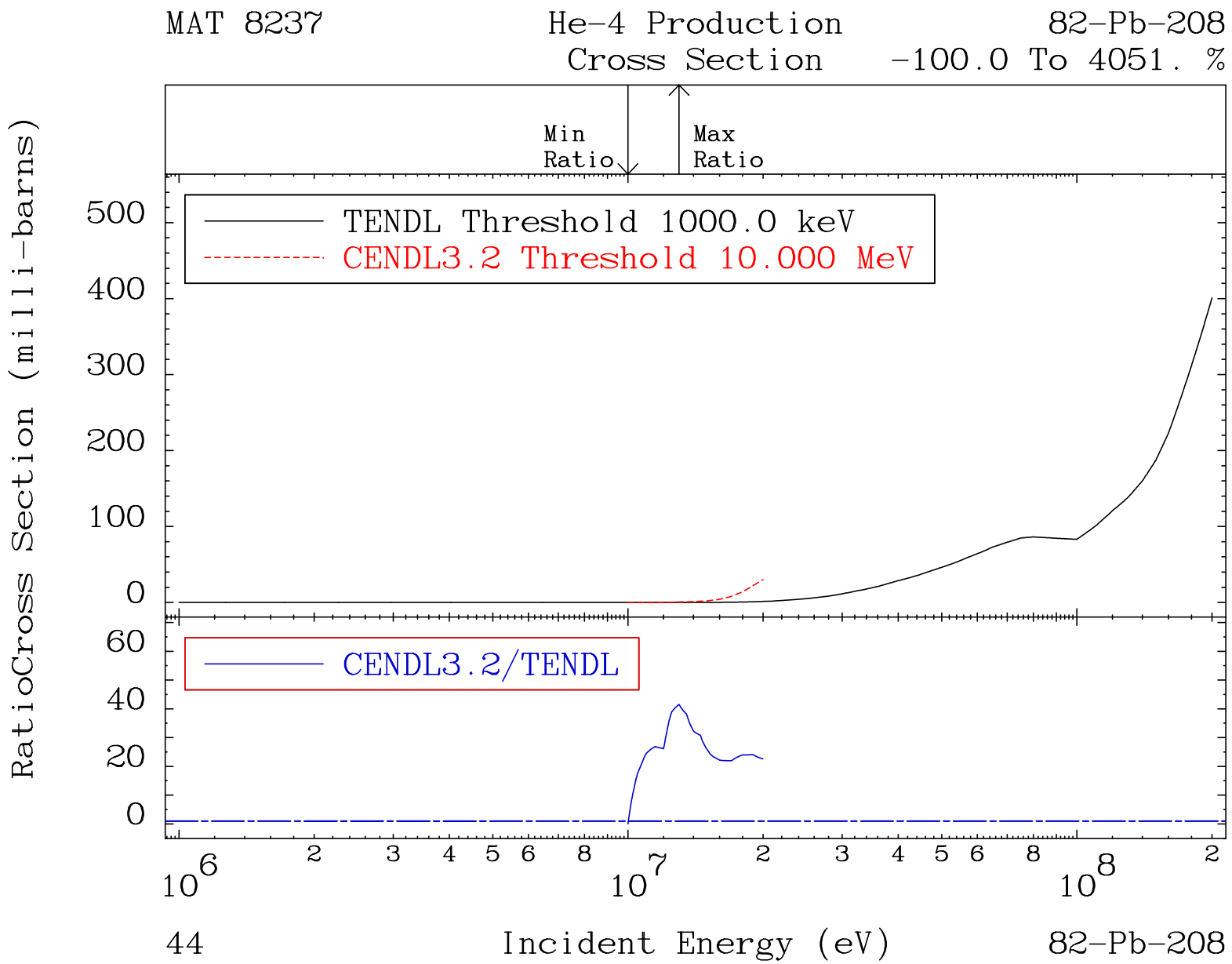

MAT 8237
(n,p)
82-Pb-208
Cross Section
-100.0 To 2872. %
Min Ratio
Max Ratio
TENDL Threshold 4.2365 MeV
CENDL3.2 Threshold 8.0000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
15
10
5
0
40
20
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
39
Incident Energy (eV)
82-Pb-208

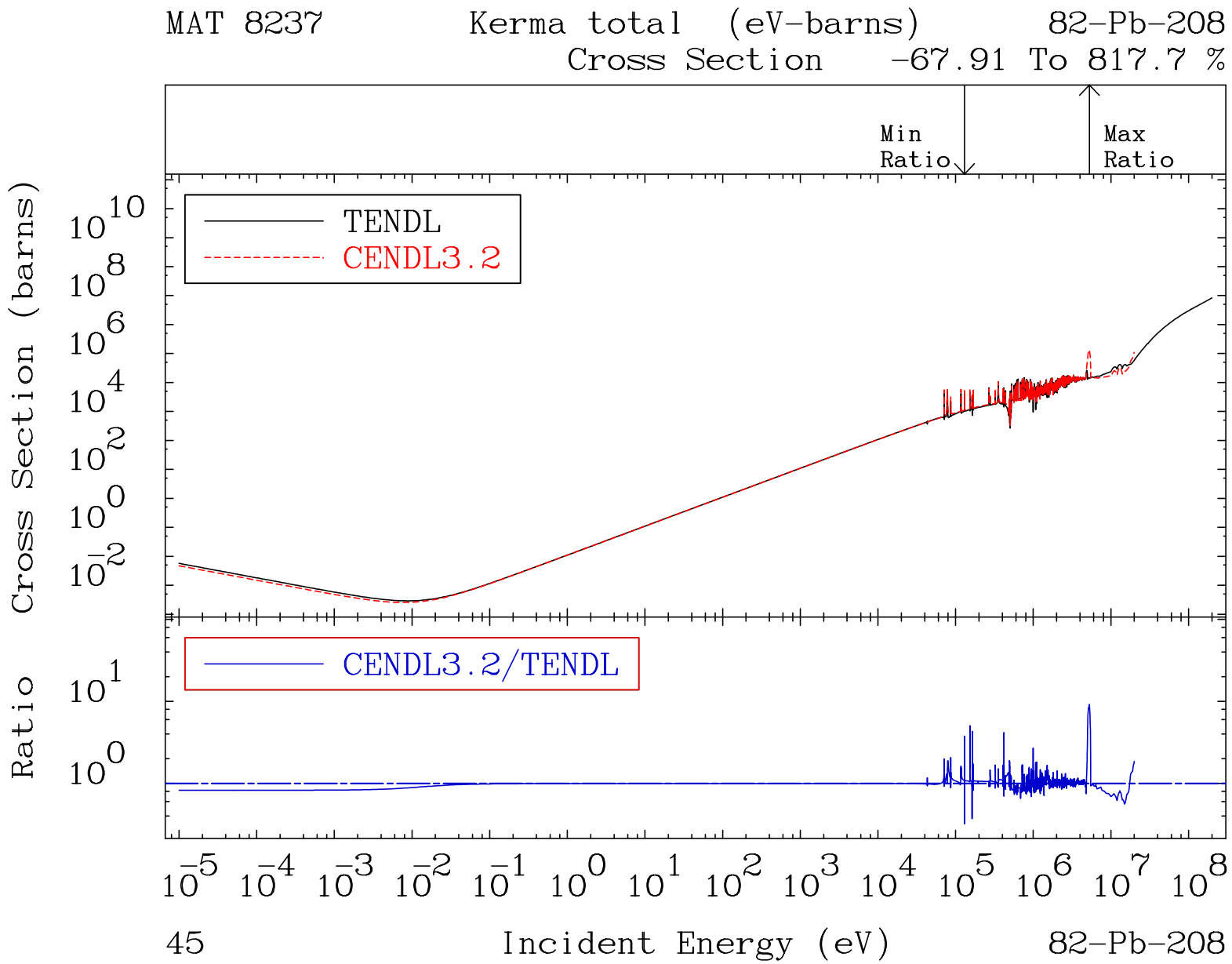

MAT 8237
(n,t)
82-Pb-208
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.4046 MeV
CENDL3.2 Threshold 12.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
82-Pb-208
40

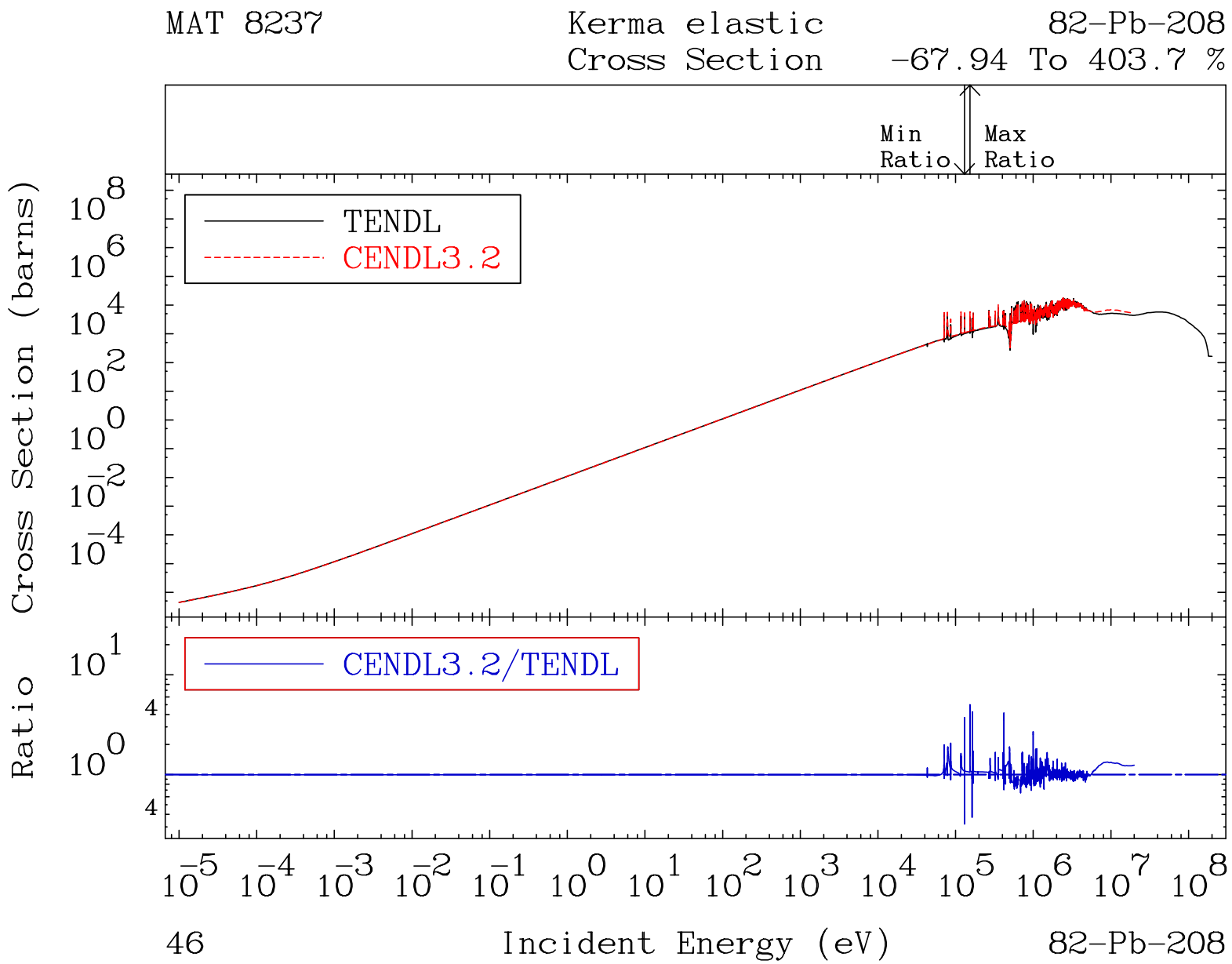

MAT 8237
(n,α)
82-Pb-208
Cross Section
-100.0 To 4078. %
Min Ratio
Max Ratio
TENDL Threshold 1000.0 keV
CENDL3.2 Threshold 10.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
41
82-Pb-208

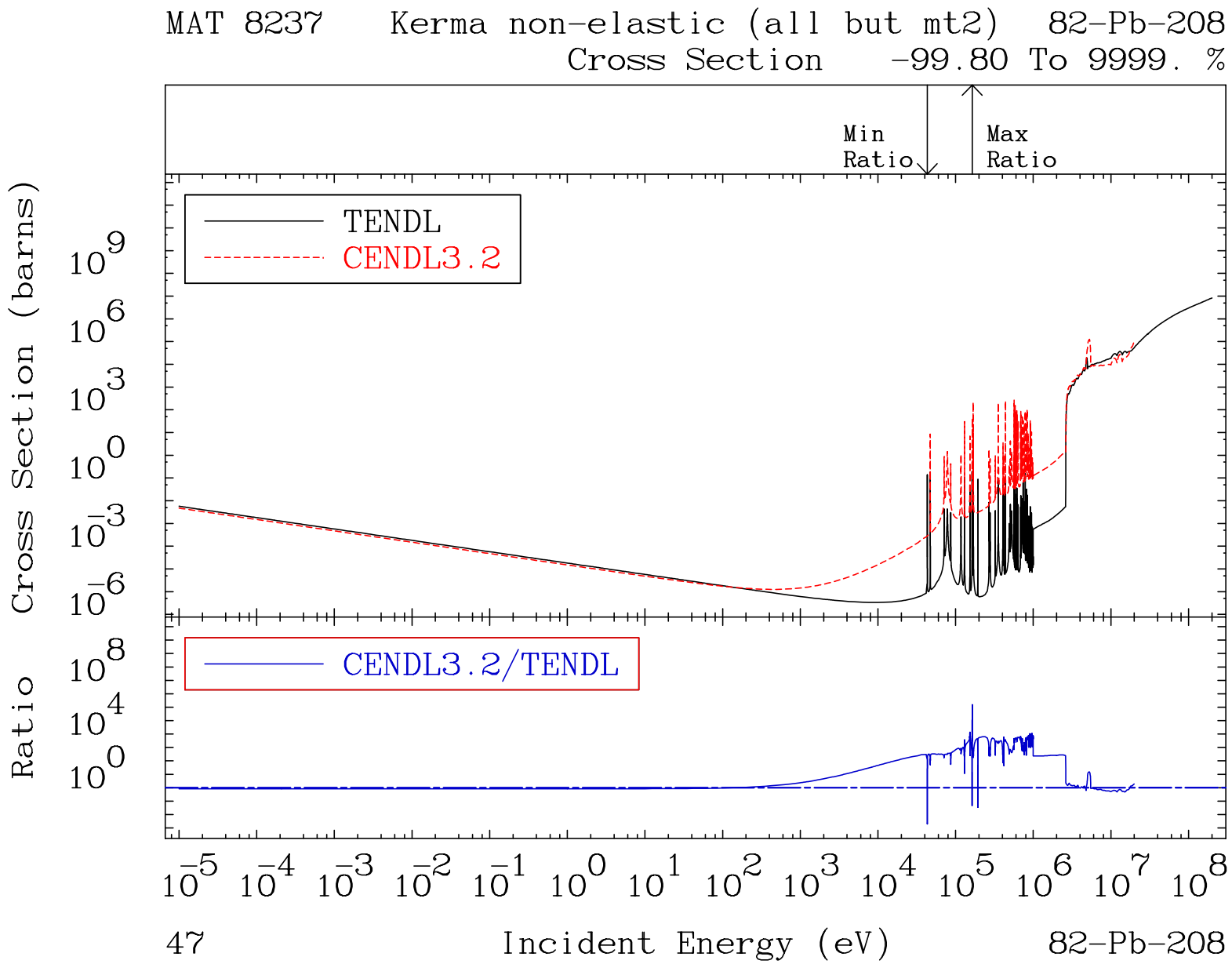

MAT 8237
Hydrogen Production
82-Pb-208
Cross Section
-100.0 To 2872. %
Min Ratio
Max Ratio
TENDL Threshold 3.0156 MeV
CENDL3.2 Threshold 8.0000 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
40
20
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
42
Incident Energy (eV)
82-Pb-208

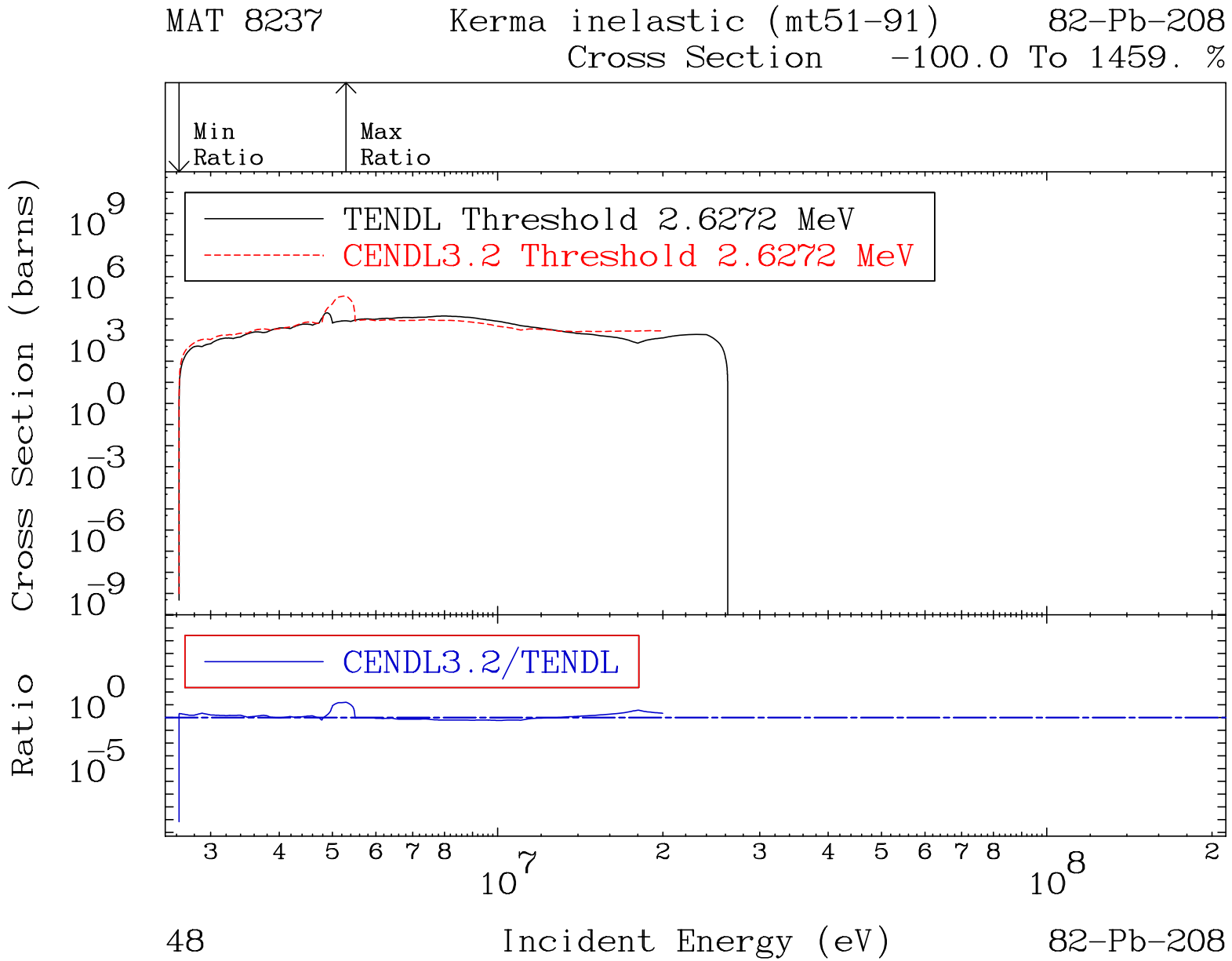

MAT 8237
Tritium Production
82-Pb-208
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.4046 MeV
CENDL3.2 Threshold 12.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
80
40
0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
43
Incident Energy (eV)
82-Pb-208

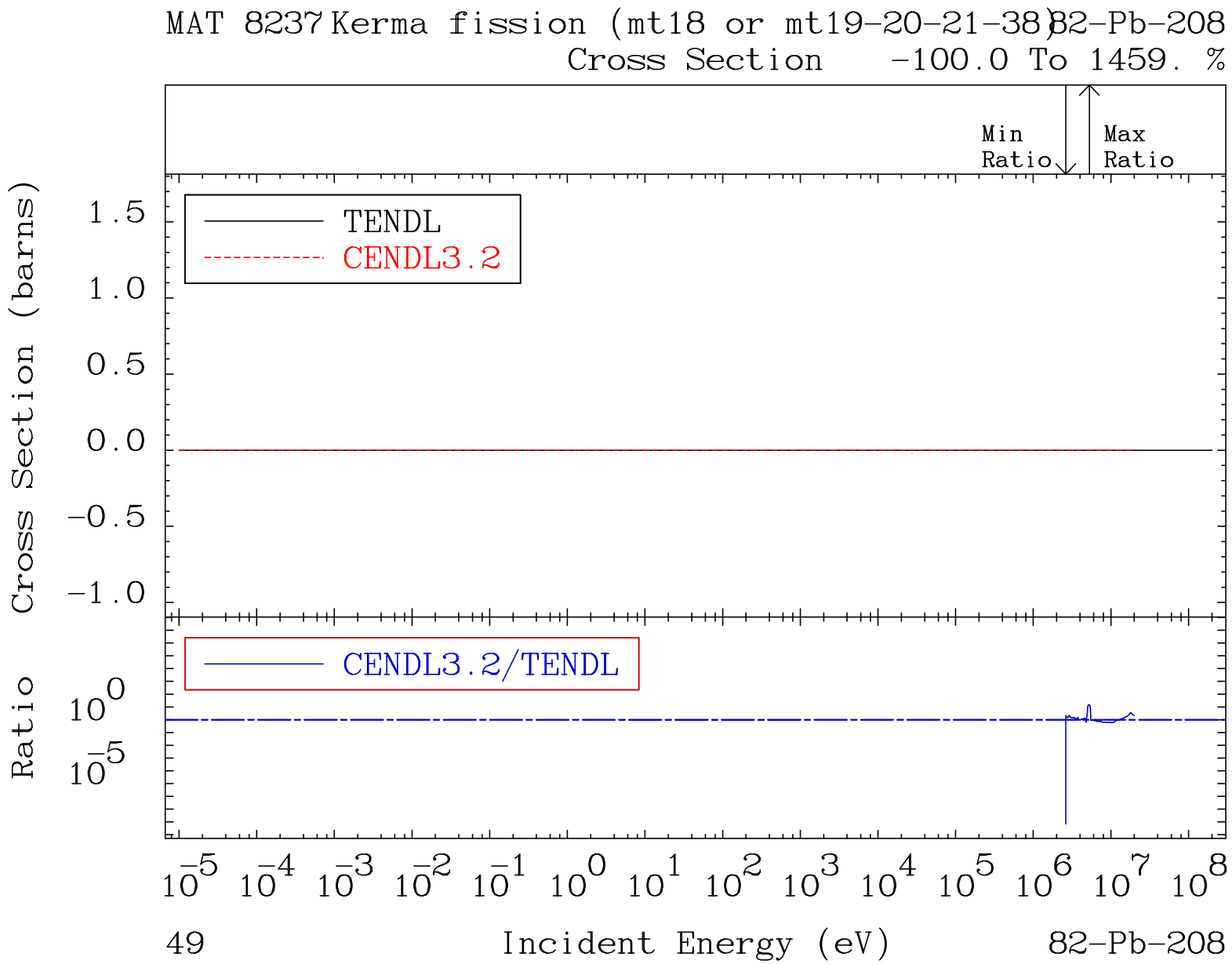

MAT 8237
He-4 Production
Cross Section
82-Pb-208
-100.0 To 4051. %
Min Ratio
Max Ratio
TENDL Threshold 1000.0 keV
CENDL3.2 Threshold 10.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
60
40
20
0
10^6
10^7
10^8
2 3 4 5 6 8
44
Incident Energy (eV)
82-Pb-208

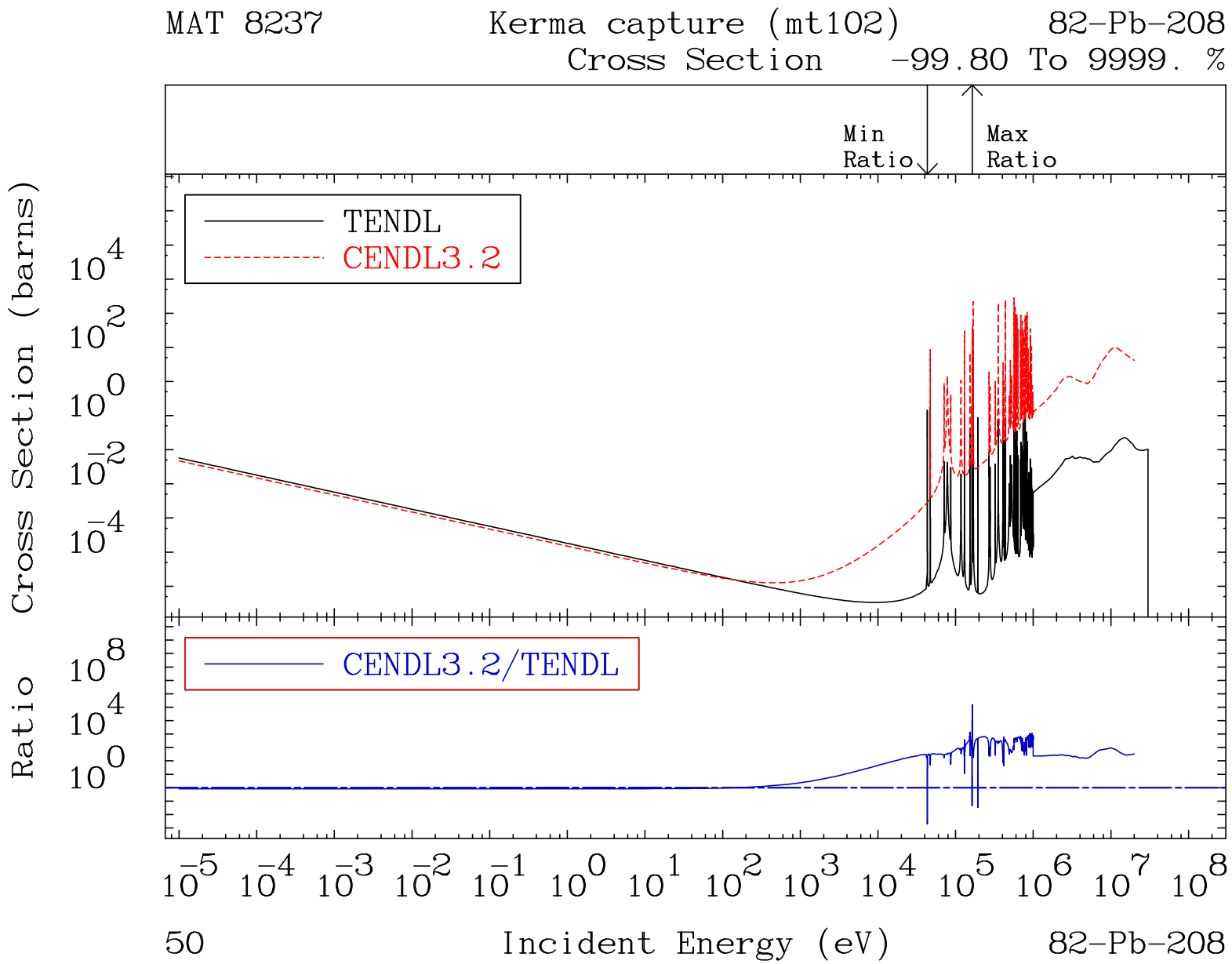

MAT 8237
Kerma total (eV-barns)
82-Pb-208
Cross Section -67.91 To 817.7 %
Min Ratio
Max Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
45
82-Pb-208

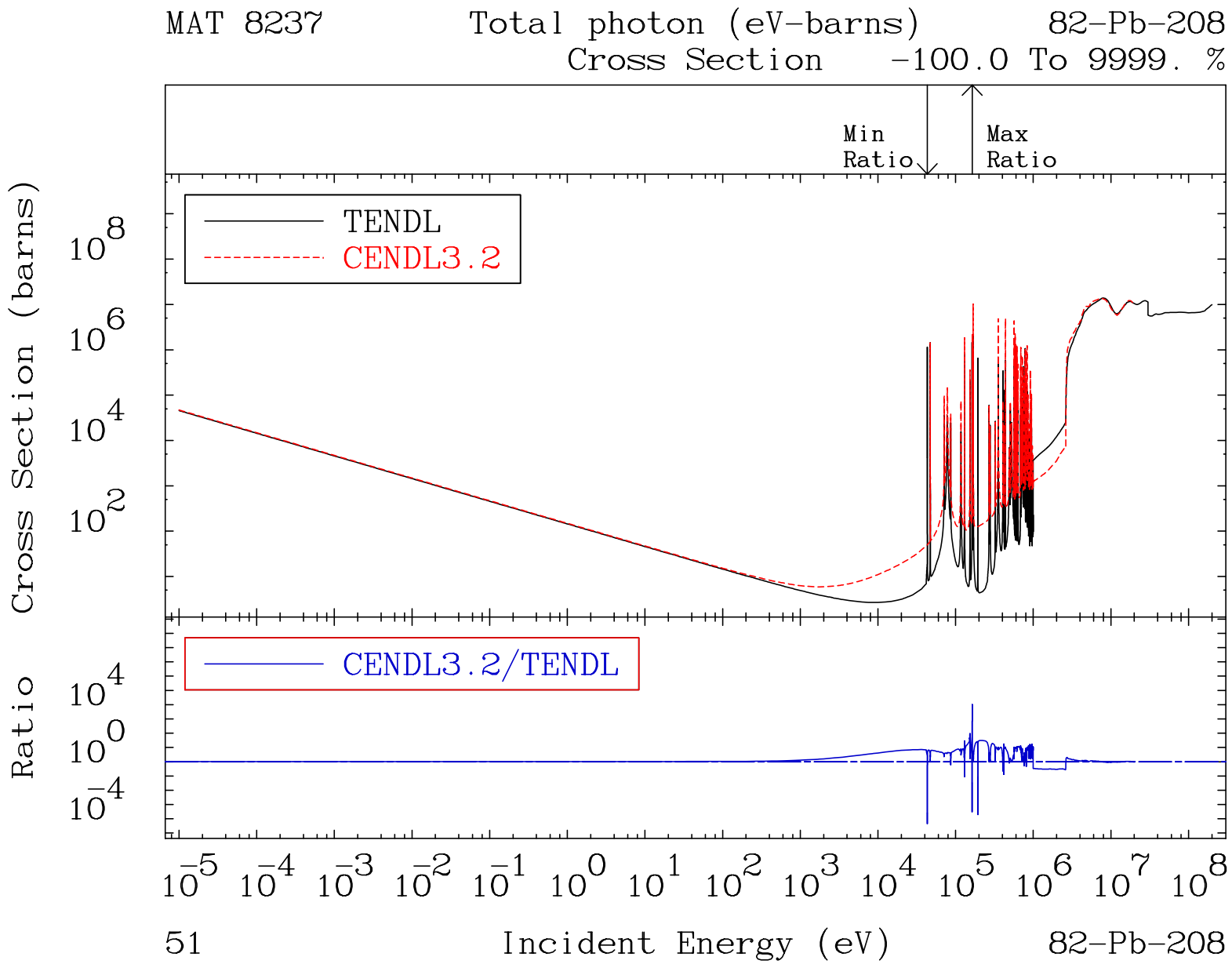

MAT 8237
Kerma elastic
Cross Section
82-Pb-208
-67.94 To 403.7 %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
82-Pb-208

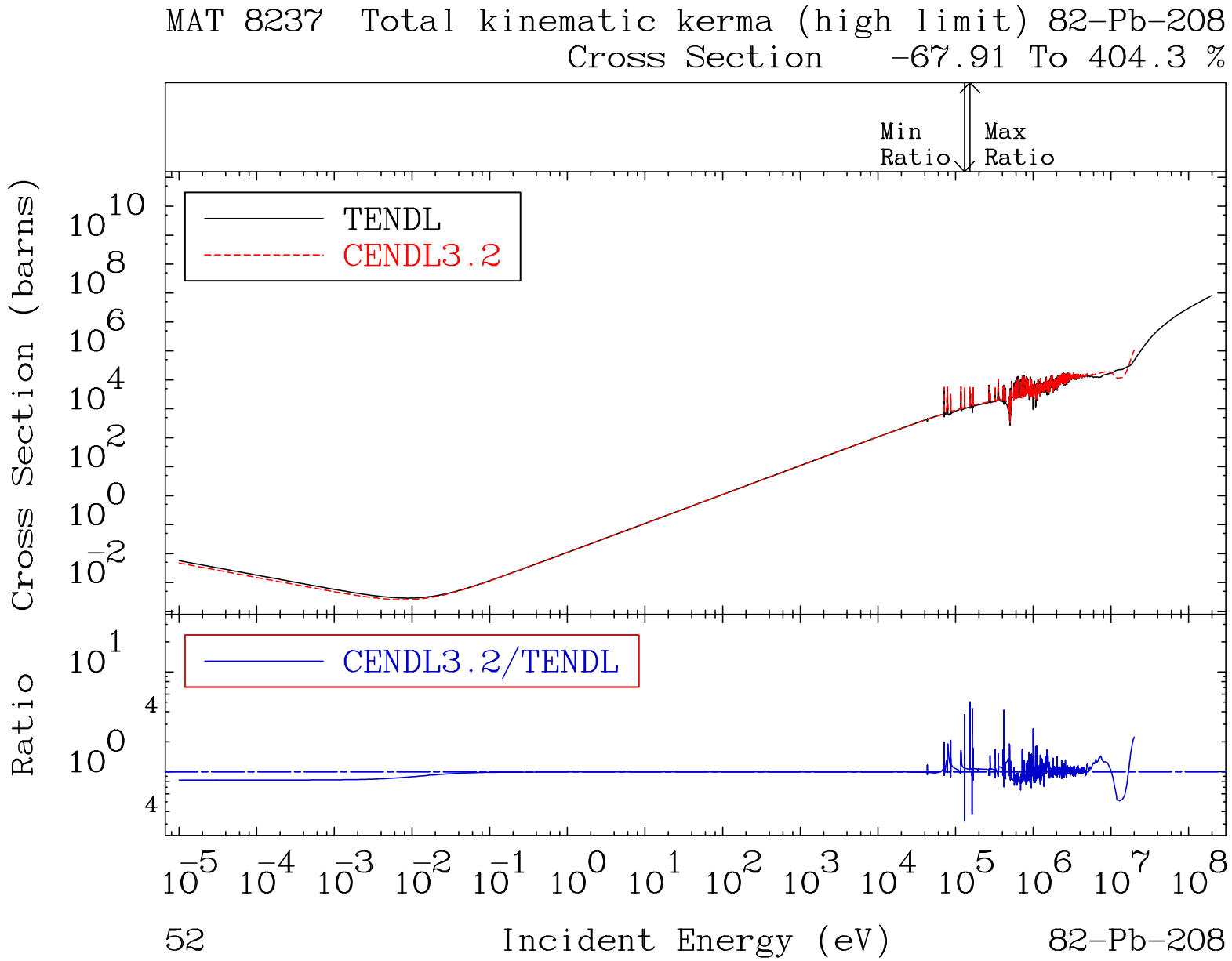

MAT 8237 Kerma non-elastic (all but mt2) 82-Pb-208
Cross Section -99.80 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47
82-Pb-208

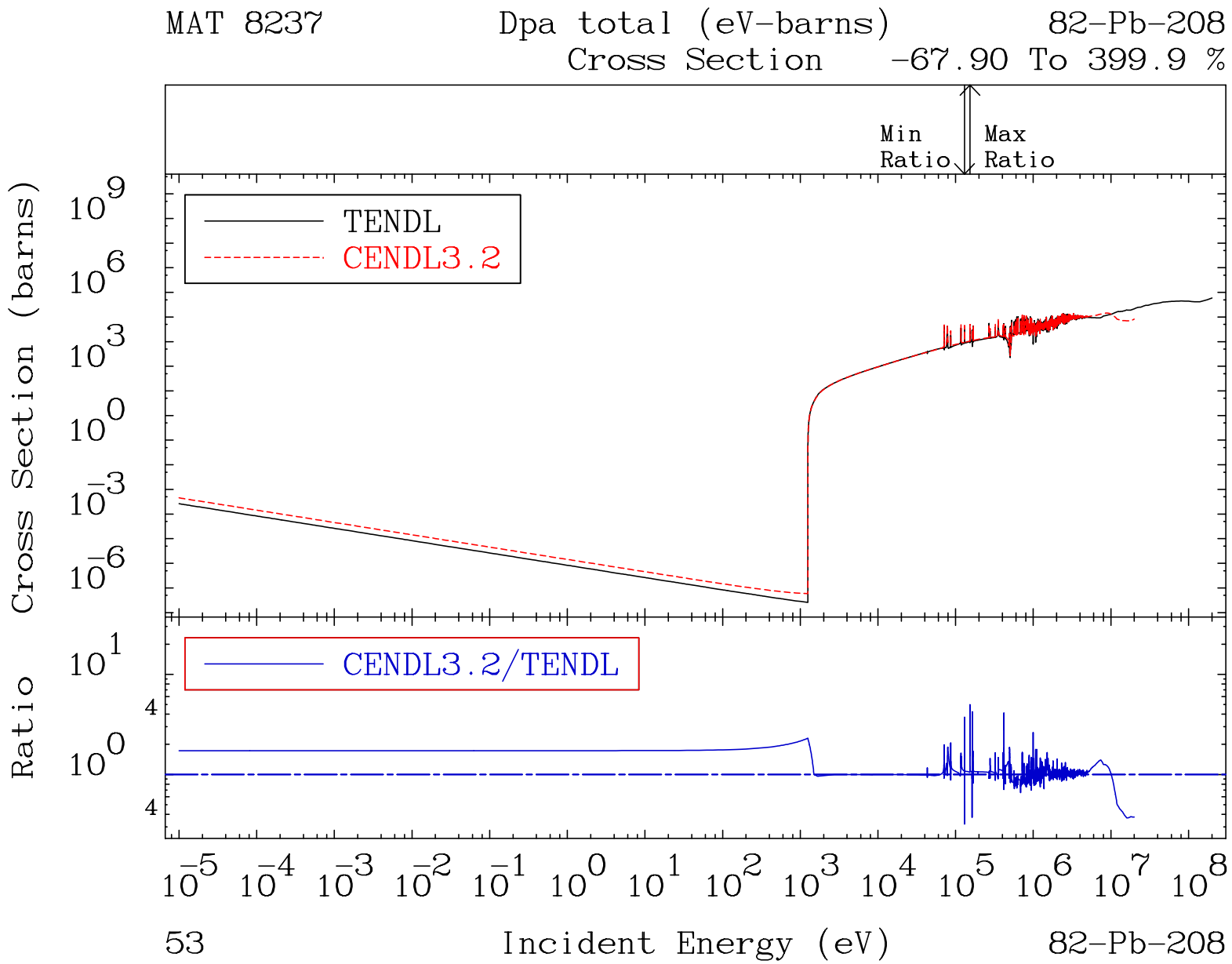

MAT 8237
Kerma inelastic (mt51-91)
82-Pb-208
Cross Section -100.0 To 1459. %
Min Ratio
Max Ratio
TENDL Threshold 2.6272 MeV
CENDL3.2 Threshold 2.6272 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48
82-Pb-208

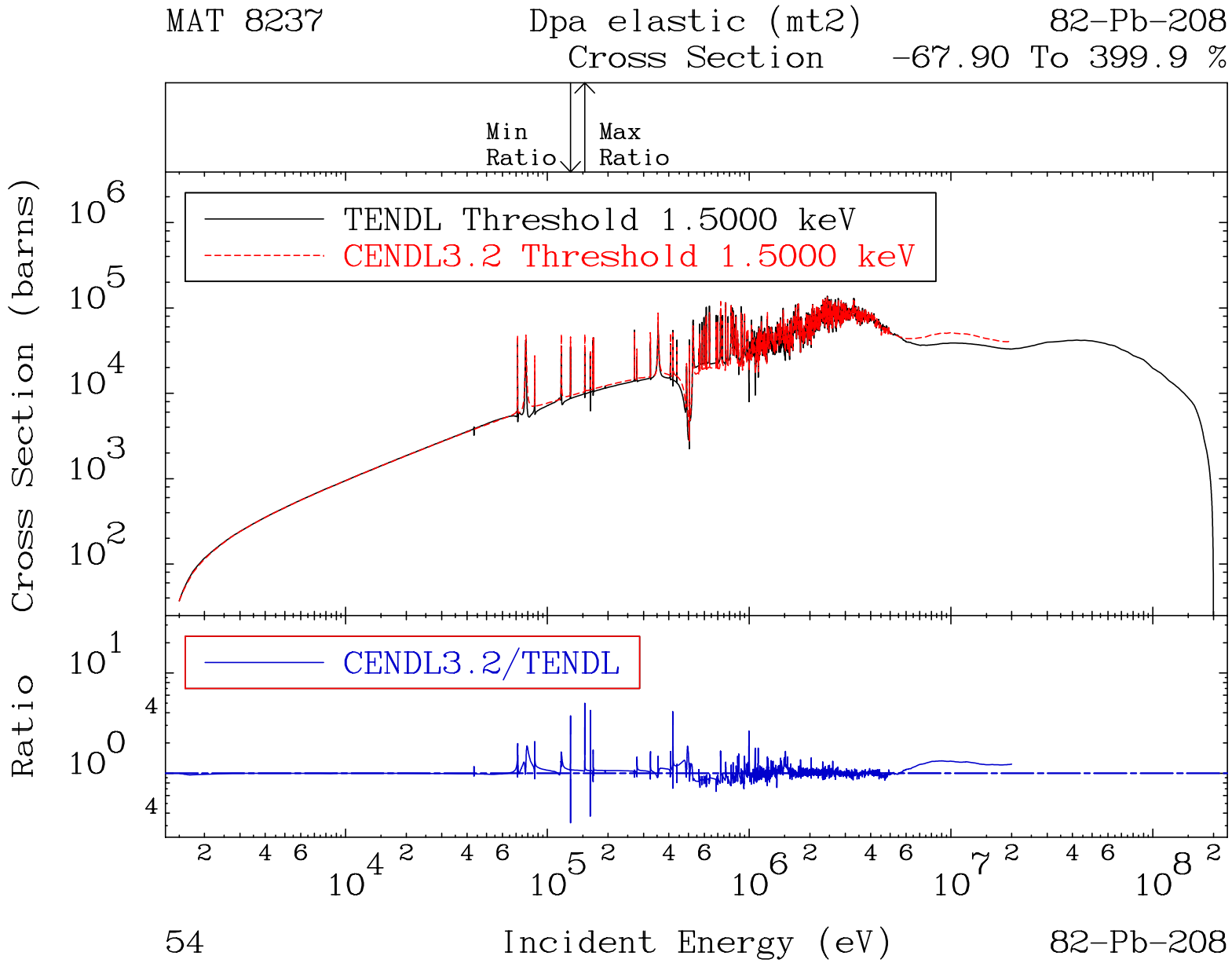

MAT 8237 Kerma fission (mt18 or mt19-20-21-38) 82-Pb-208
Cross Section -100.0 To 1459. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{0}
10^{-5}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
49
Incident Energy (eV)
82-Pb-208

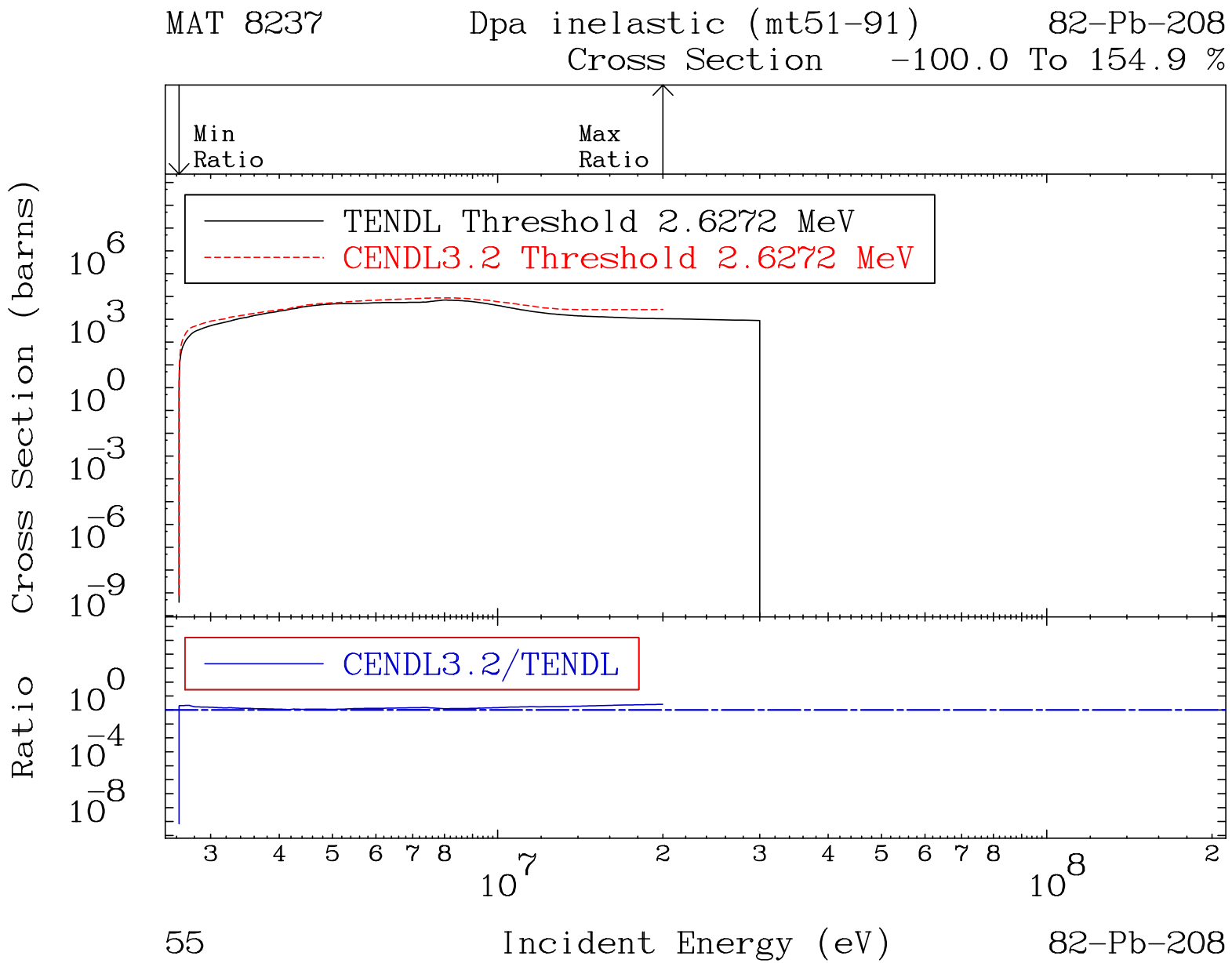

MAT 8237
Kerma capture (mt102)
82-Pb-208
Cross Section -99.80 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
50
82-Pb-208

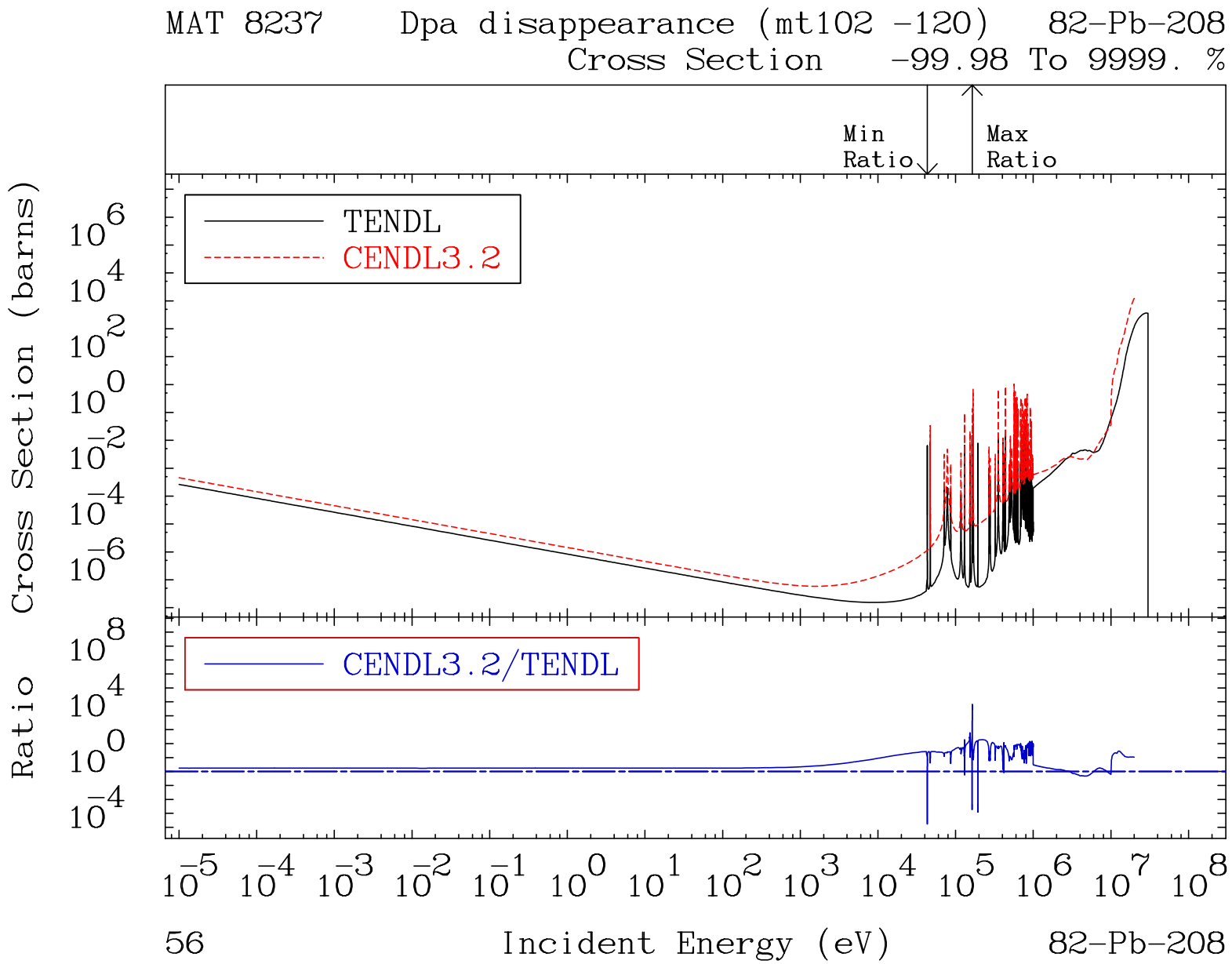

MAT 8237
Total photon (eV-barns)
82-Pb-208
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
82-Pb-208

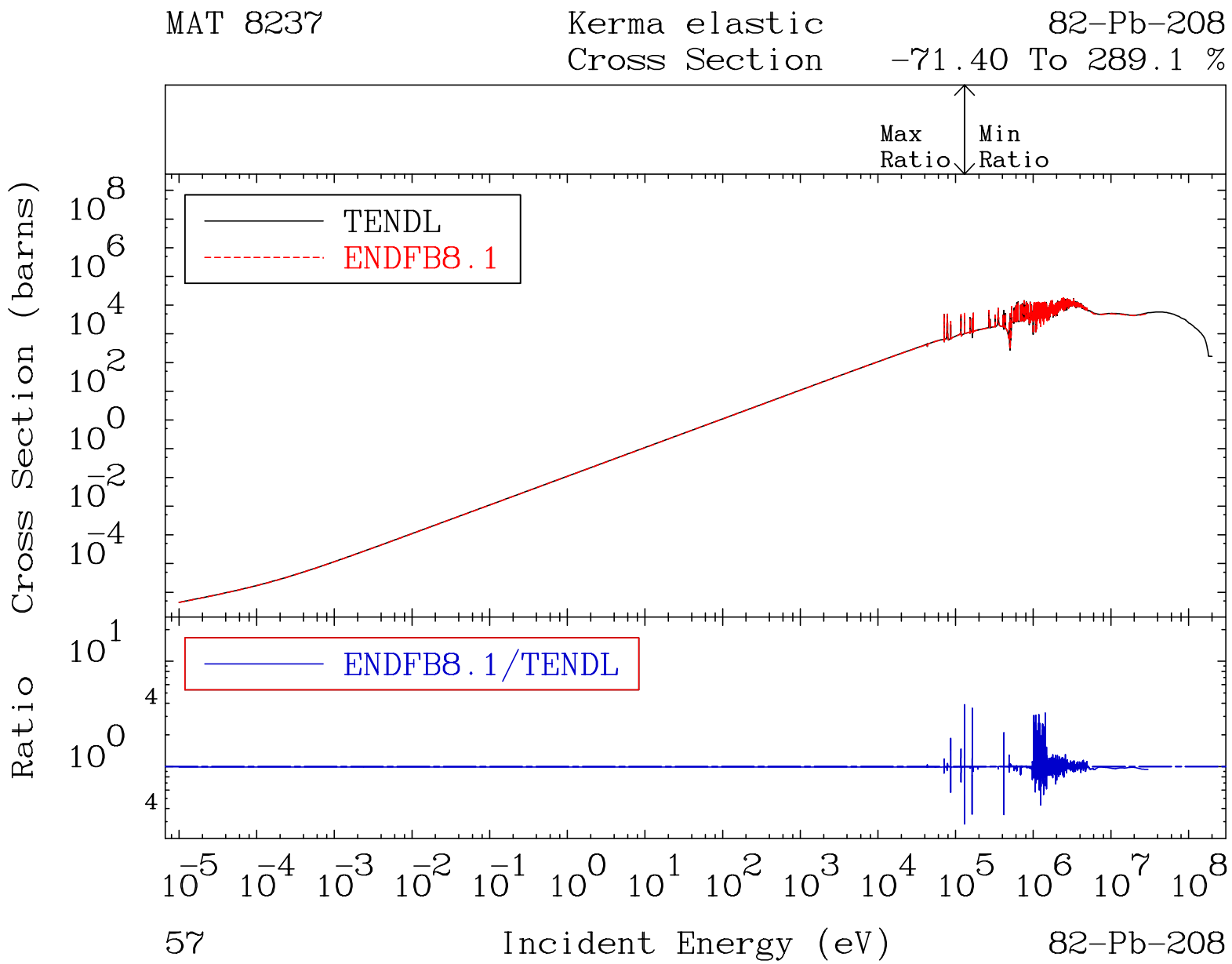

MAT 8237 Total kinematic kerma (high limit) 82-Pb-208
Cross Section -67.91 To 404.3 %
Min Ratio
Max Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
52
82-Pb-208

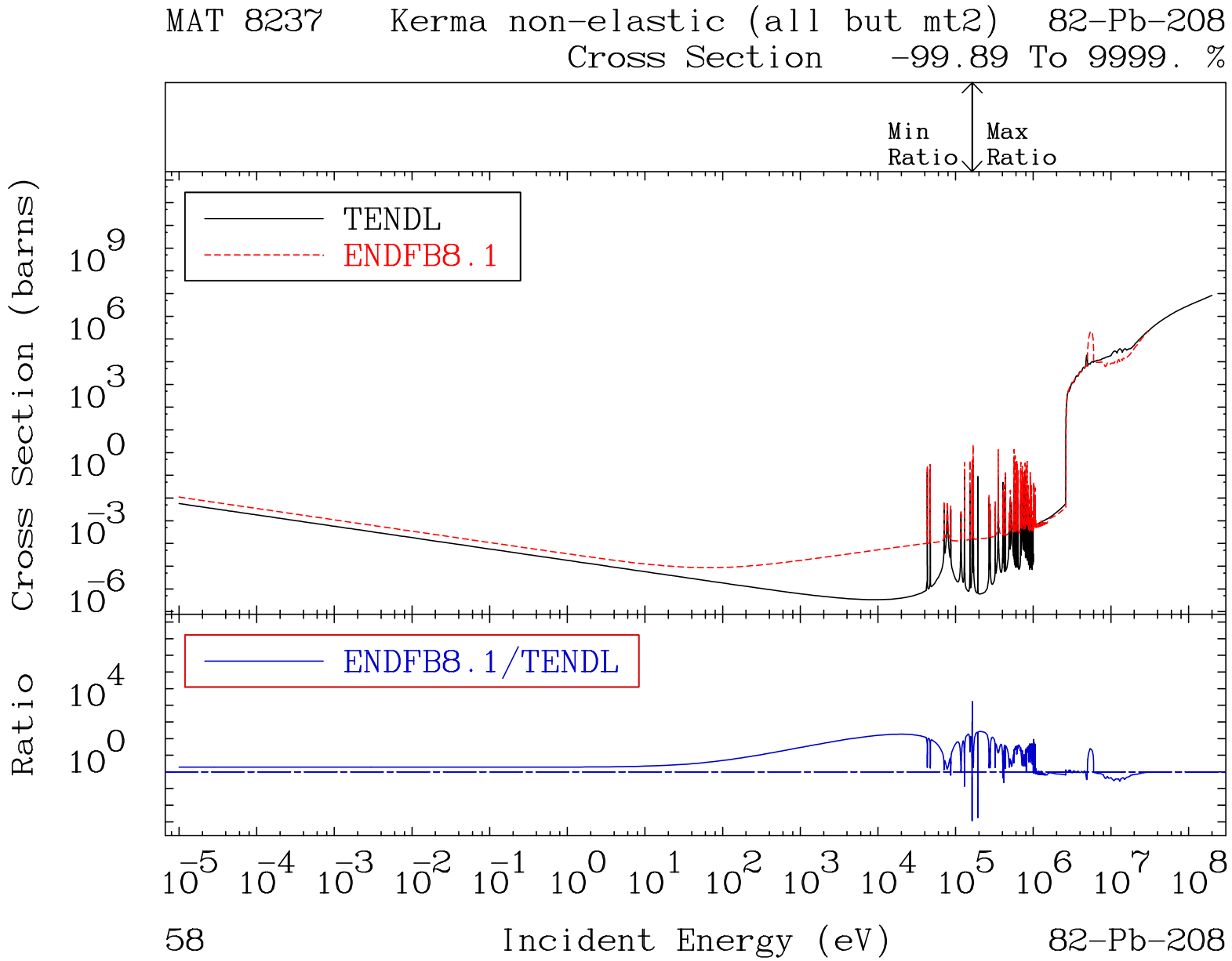

MAT 8237
Dpa total (eV-barns)
82-Pb-208
Cross Section -67.90 To 399.9 %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
82-Pb-208

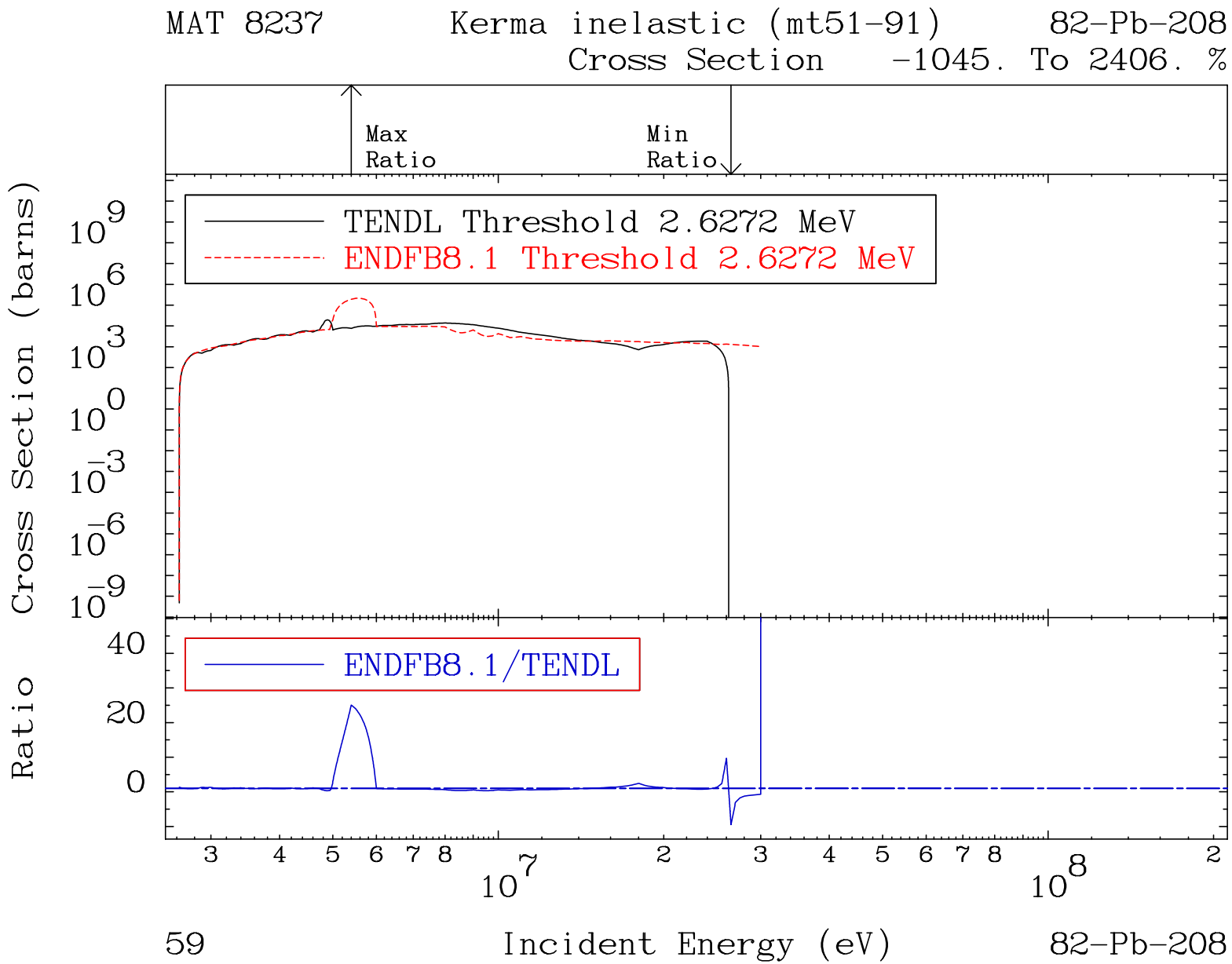

MAT 8237
Dpa elastic (mt2)
Cross Section
82-Pb-208
-67.90 To 399.9 %
Min Ratio
Max Ratio
TENDL Threshold 1.5000 keV
CENDL3.2 Threshold 1.5000 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
82-Pb-208

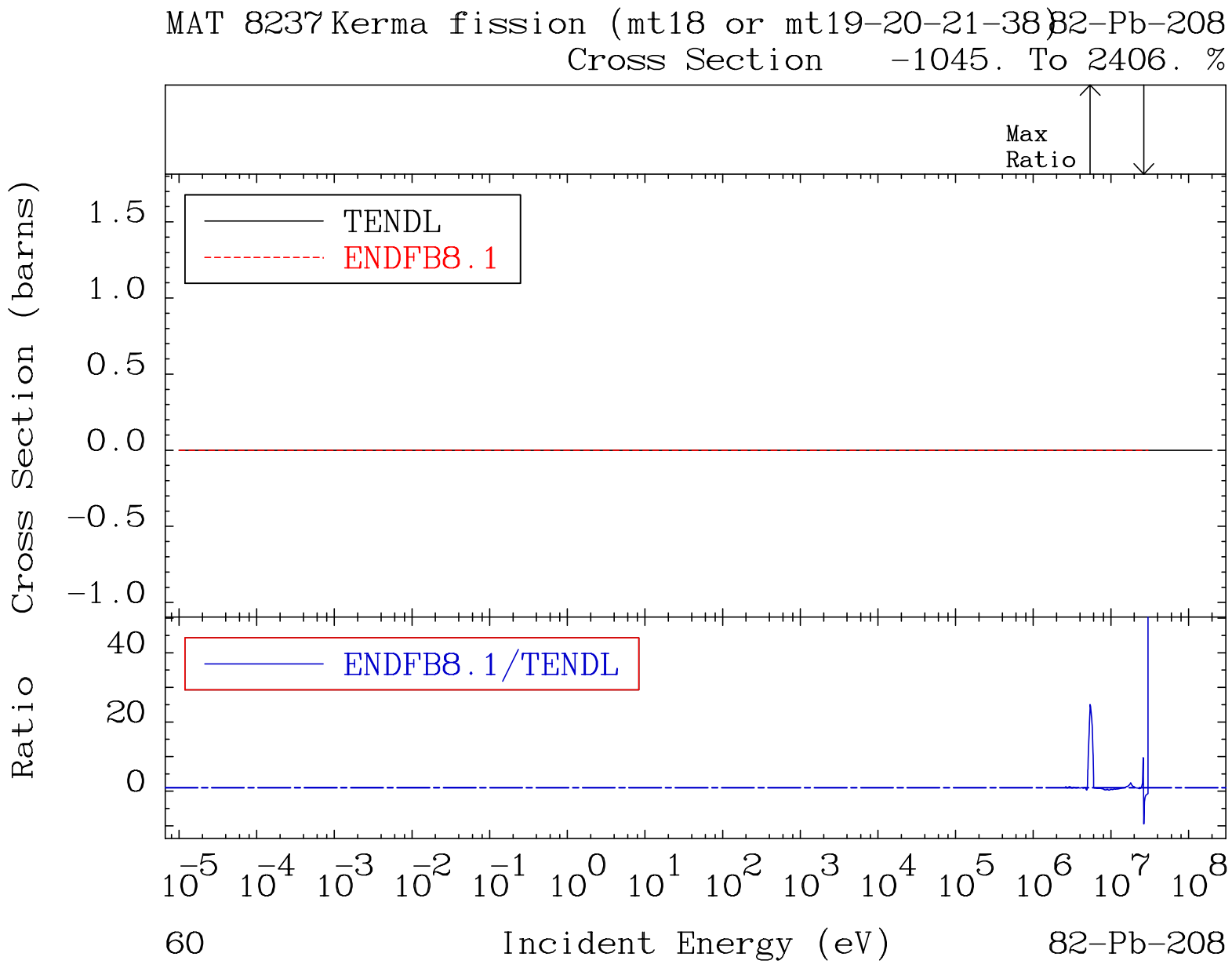

MAT 8237
Dpa inelastic (mt51-91)
82-Pb-208
Cross Section -100.0 To 154.9 %
Min Ratio
Max Ratio
TENDL Threshold 2.6272 MeV
CENDL3.2 Threshold 2.6272 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
82-Pb-208

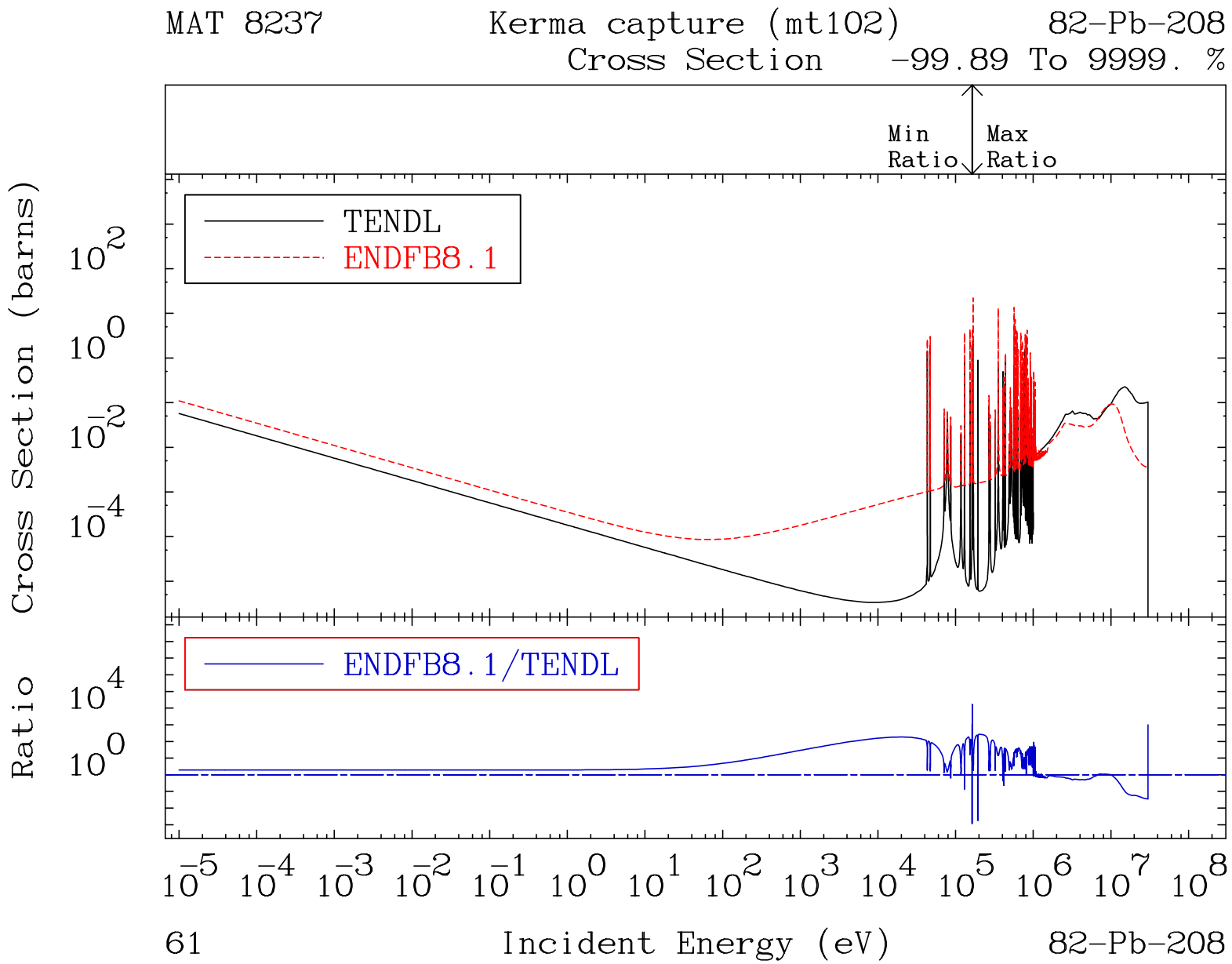

MAT 8237 Dpa disappearance (mt102 -120) 82-Pb-208
Cross Section -99.98 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
56
82-Pb-208

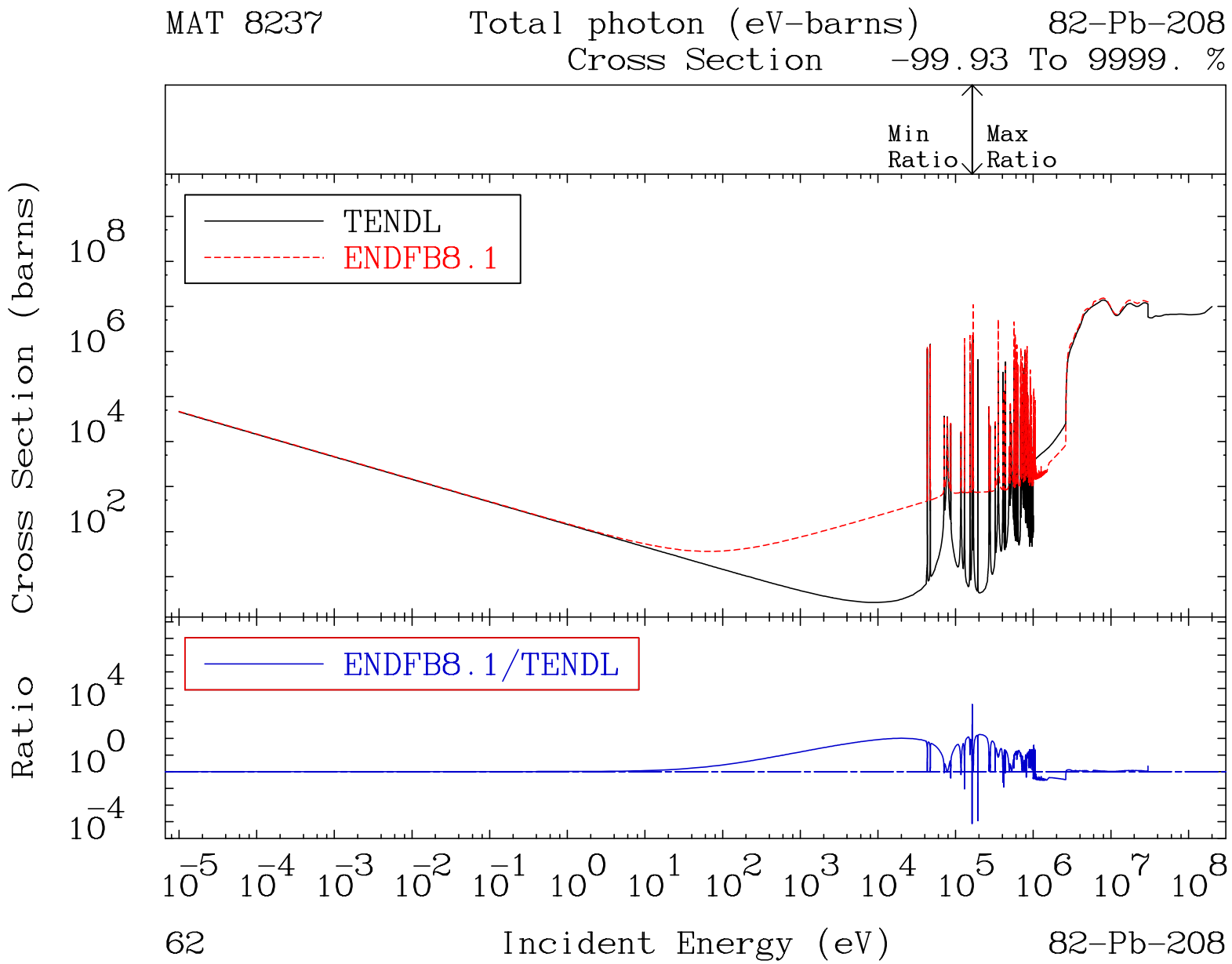

MAT 8237
Kerma elastic
Cross Section
82-Pb-208
-71.40 To 289.1 %
Max Ratio
Min Ratio
TENDL
ENDFB8.1
ENDFB8.1/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
82-Pb-208

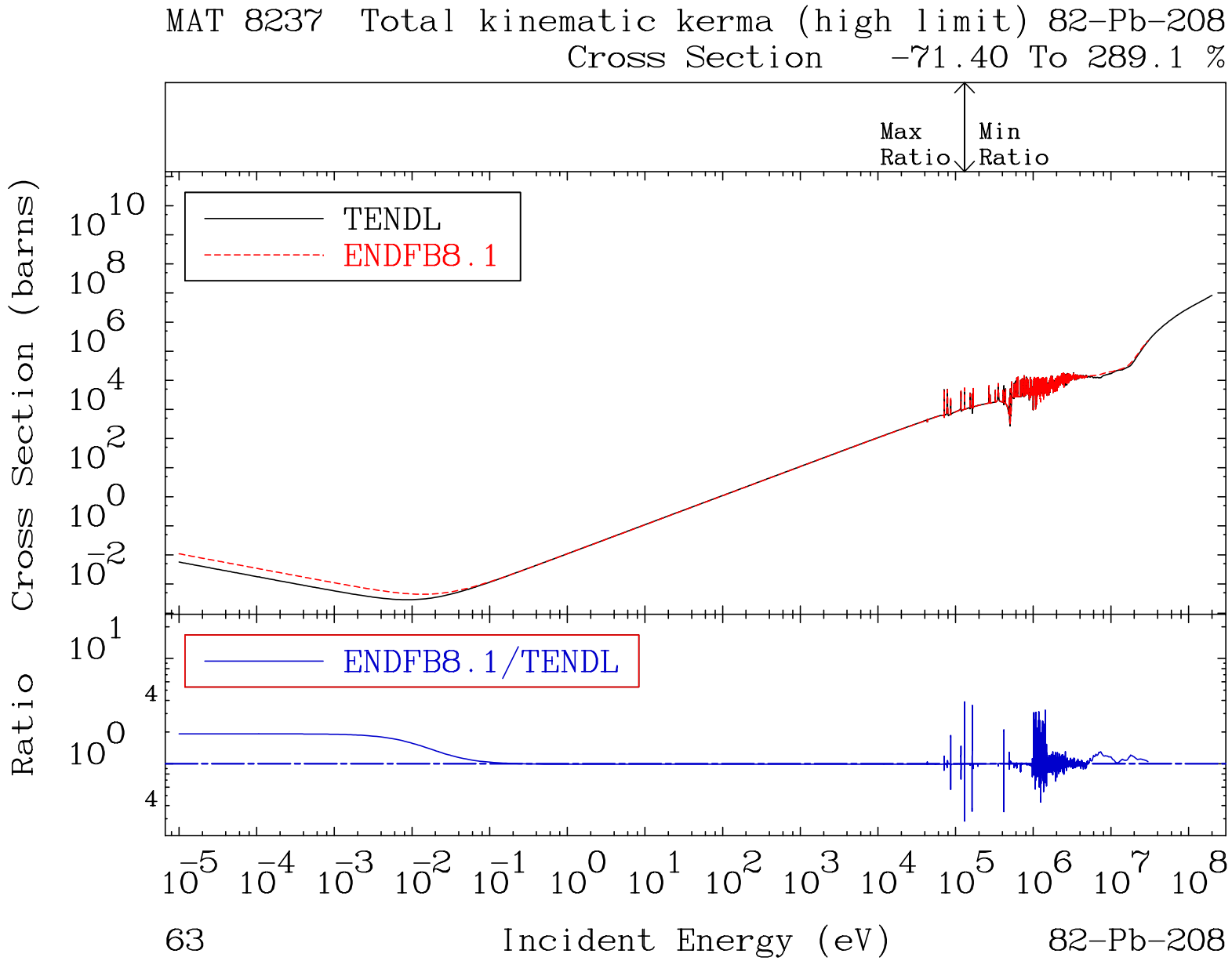

MAT 8237 Kerma non-elastic (all but mt2) 82-Pb-208
Cross Section -99.89 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.1
ENDFB8.1/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
82-Pb-208

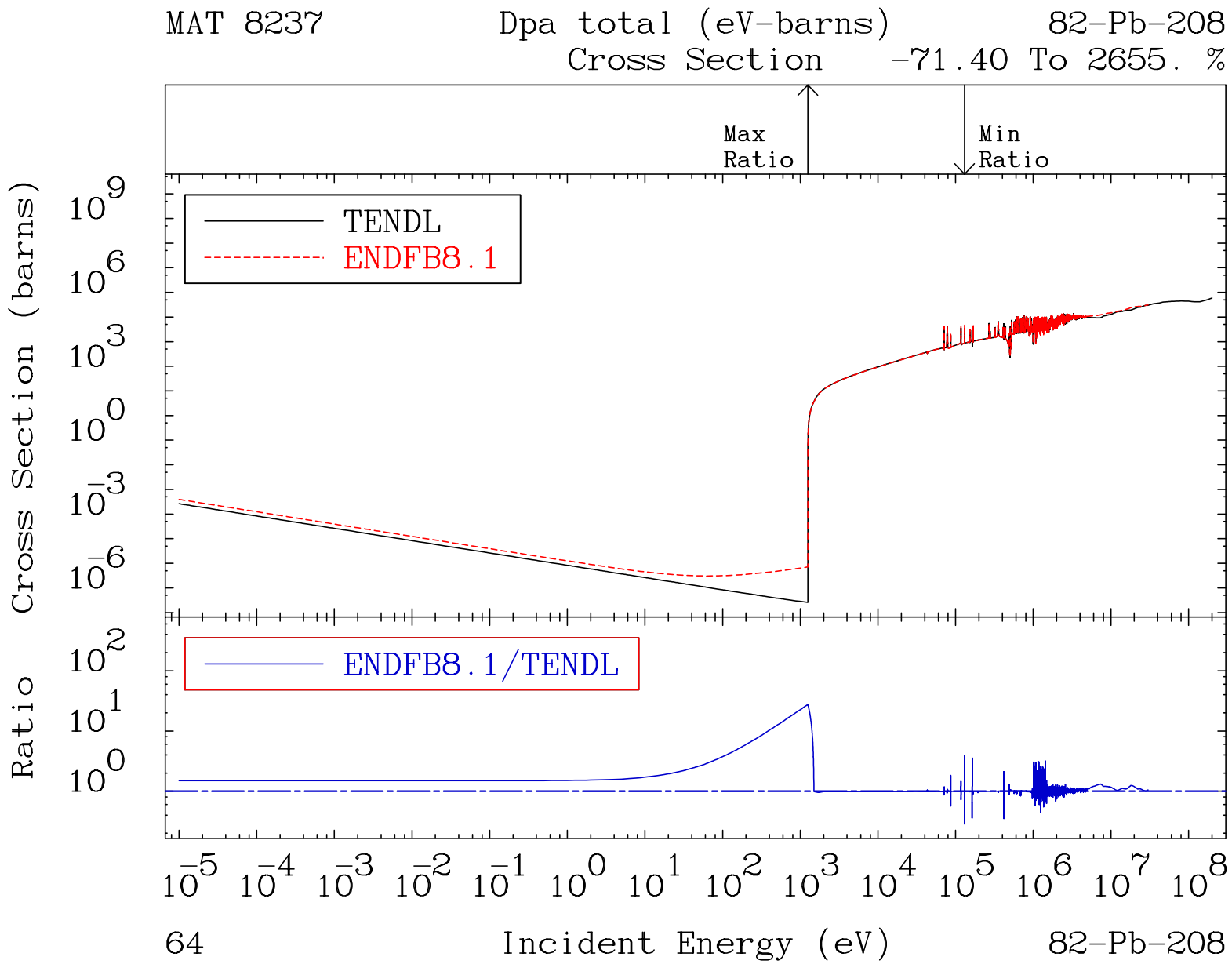

MAT 8237 Kerma inelastic (mt51-91) 82-Pb-208
Cross Section -1045. To 2406. %
Max Ratio
Min Ratio
TENDL Threshold 2.6272 MeV
ENDFB8.1 Threshold 2.6272 MeV
Cross Section (barns)
ENDFB8.1/TENDL
Ratio
Incident Energy (eV)
59
82-Pb-208

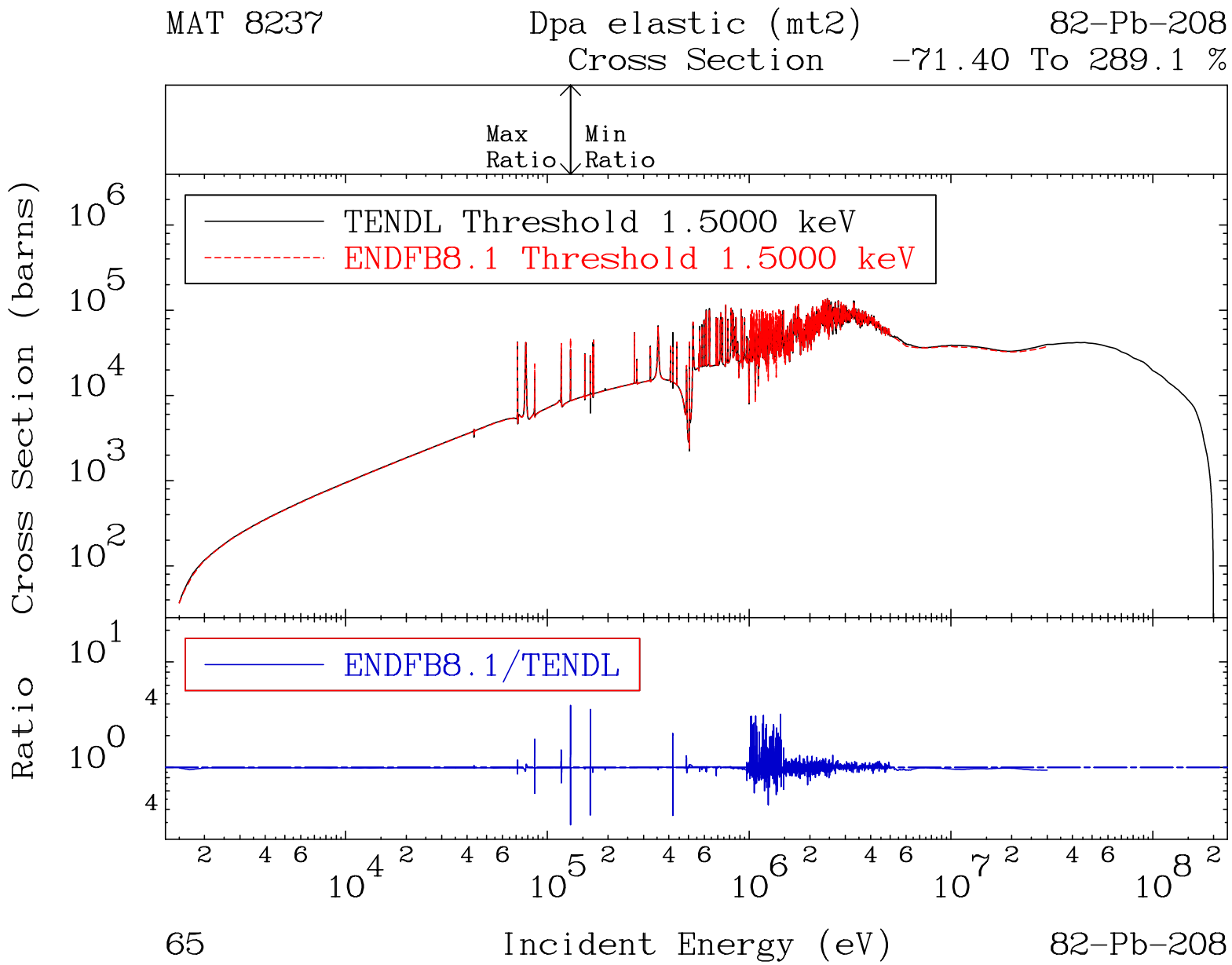

MAT 8237 Kerma fission (mt18 or mt19-20-21-38) 82-Pb-208
Cross Section -1045. To 2406. %
Max
Ratio
TENDL
ENDFB8.1
ENDFB8.1/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
40
20
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
60
Incident Energy (eV)
82-Pb-208

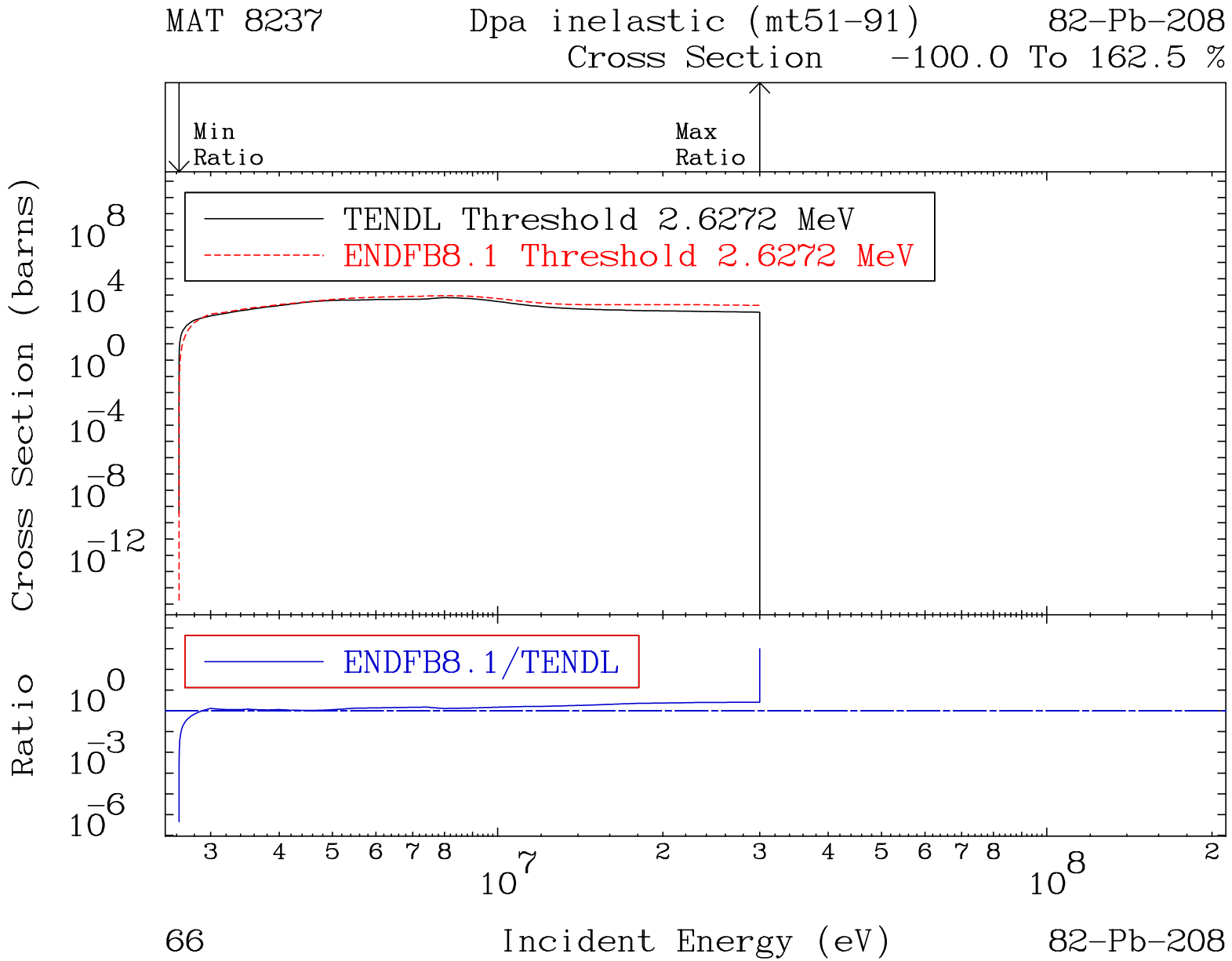

MAT 8237
Kerma capture (mt102)
82-Pb-208
Cross Section -99.89 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.1
Cross Section (barns)
ENDFB8.1/TENDL
Ratio
Incident Energy (eV)
61
82-Pb-208

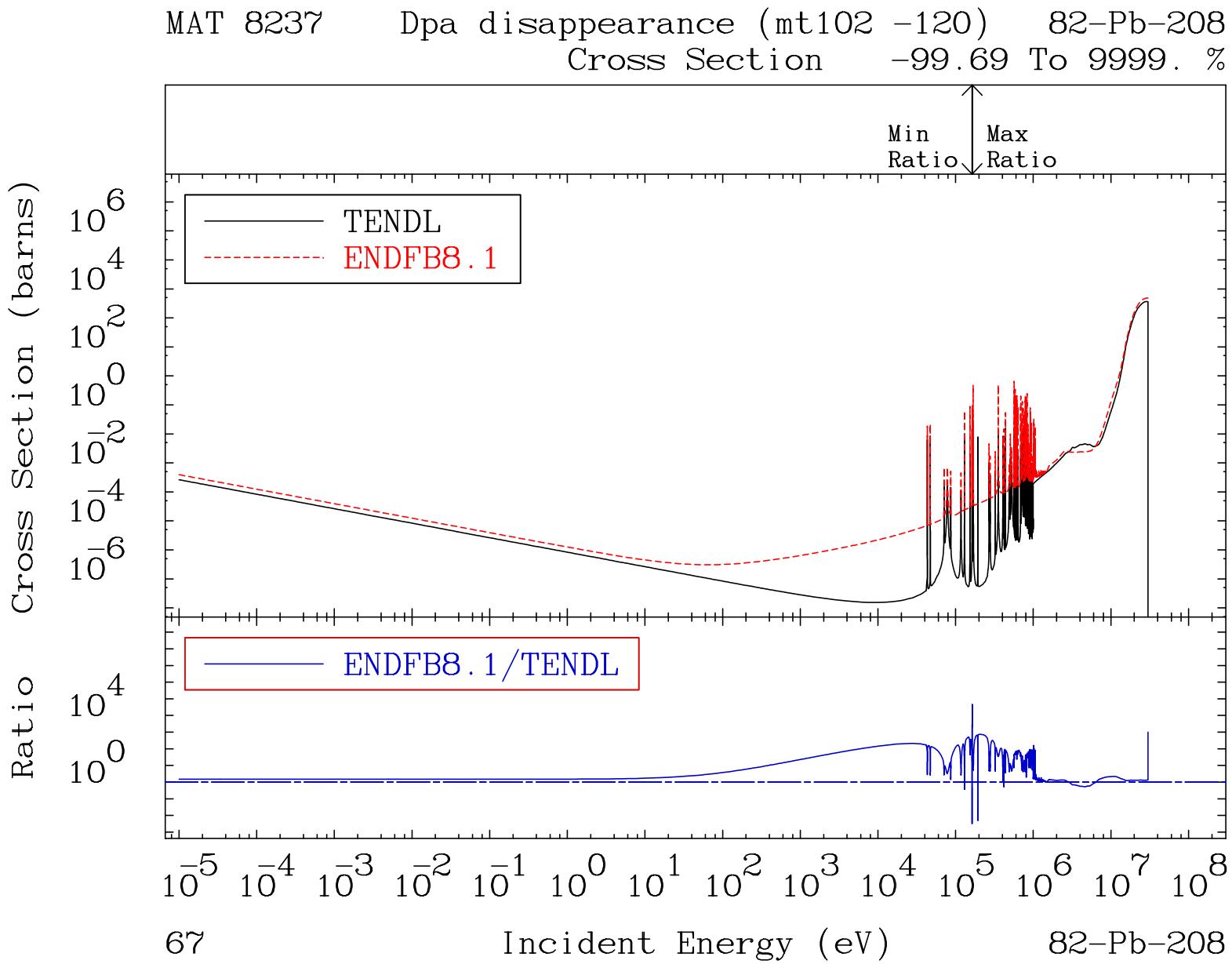

MAT 8237
Total photon (eV-barns)
82-Pb-208
Cross Section -99.93 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.1
Cross Section (barns)
ENDFB8.1/TENDL
Ratio
Incident Energy (eV)
62
82-Pb-208

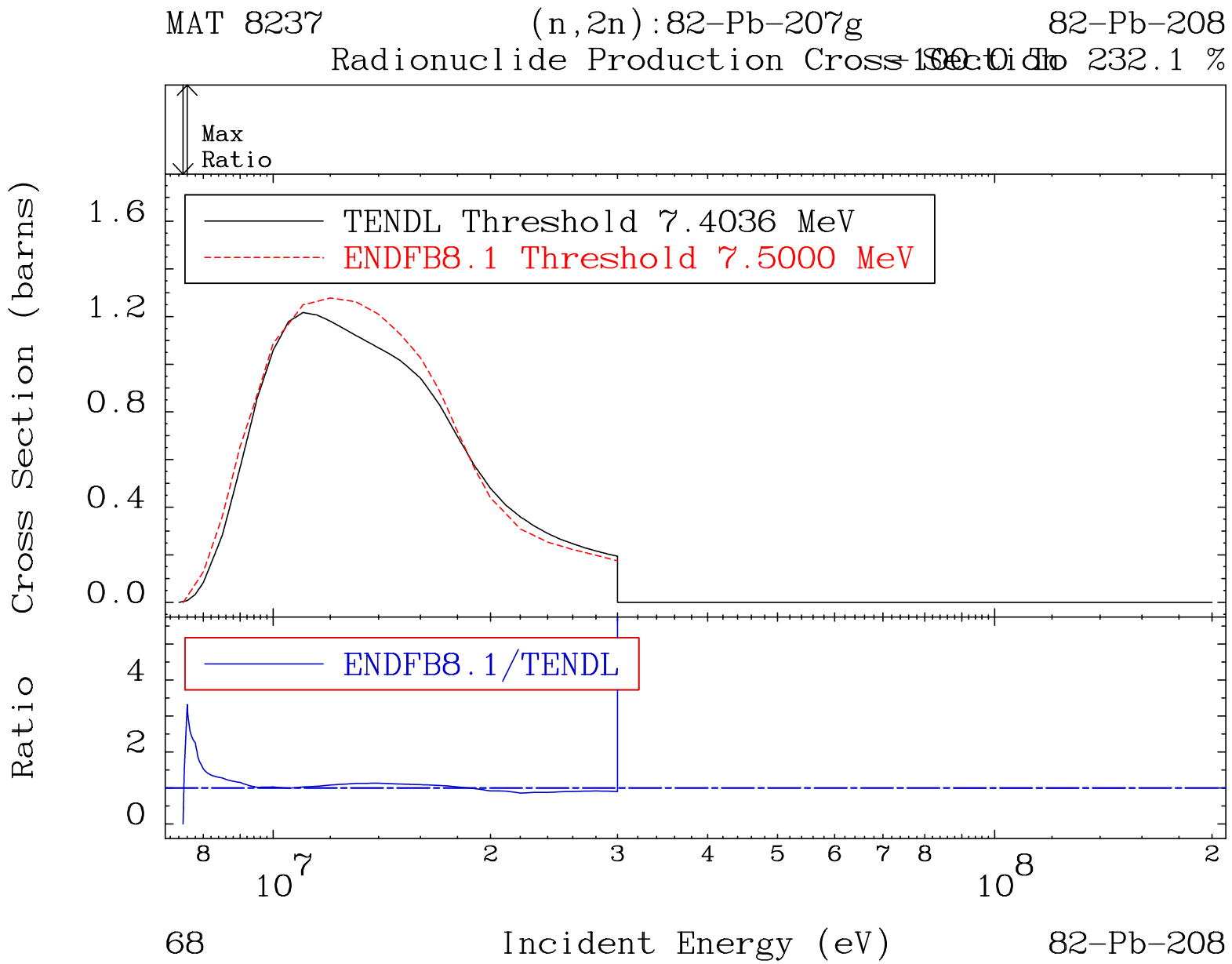

MAT 8237 Total kinematic kerma (high limit) 82-Pb-208
Cross Section -71.40 To 289.1 %
Max Ratio
Min Ratio
TENDL
ENDFB8.1
ENDFB8.1/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
82-Pb-208


MAT 8237
Dpa total (eV-barns)
82-Pb-208
Cross Section -71.40 To 2655. %
Max Ratio
Min Ratio
TENDL
ENDFB8.1
ENDFB8.1/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
82-Pb-208


MAT 8237
Dpa elastic (mt2)
Cross Section
82-Pb-208
-71.40 To 289.1 %
Max Ratio
Min Ratio
TENDL Threshold 1.5000 keV
ENDFB8.1 Threshold 1.5000 keV
ENDFB8.1/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
65
82-Pb-208


MAT 8237
Dpa inelastic (mt51-91)
82-Pb-208
Cross Section
-100.0 To 162.5 %
Min Ratio
Max Ratio
TENDL Threshold 2.6272 MeV
ENDFB8.1 Threshold 2.6272 MeV
ENDFB8.1/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
66
82-Pb-208


MAT 8237 Dpa disappearance (mt102 -120) 82-Pb-208
Cross Section -99.69 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.1
ENDFB8.1/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
67
82-Pb-208


MAT 8237
(n,2n):82-Pb-207g
82-Pb-208
Radionuclide Production Cross Section
Max Ratio
TENDL Threshold 7.4036 MeV
ENDFB8.1 Threshold 7.5000 MeV
ENDFB8.1/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
68
82-Pb-208