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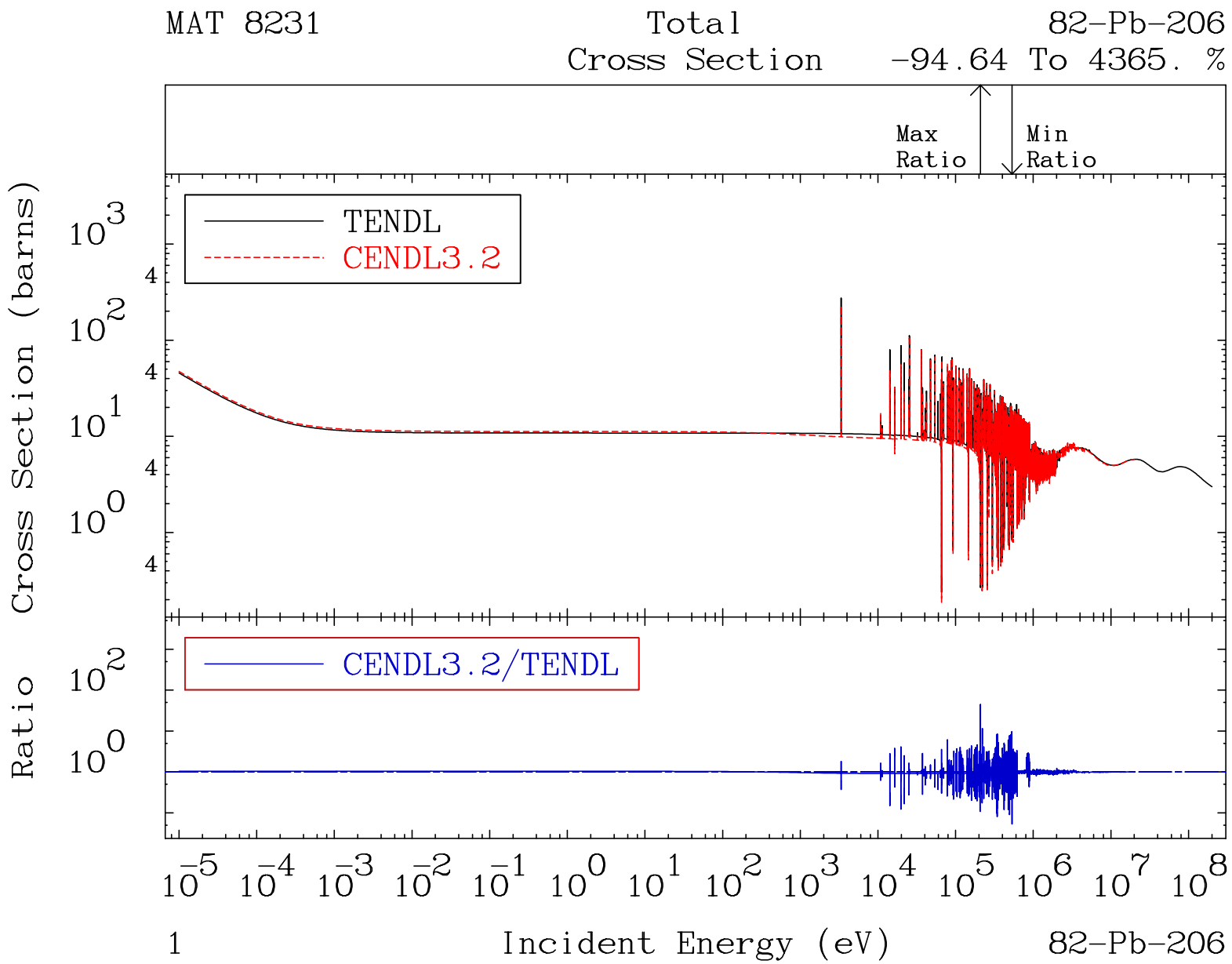
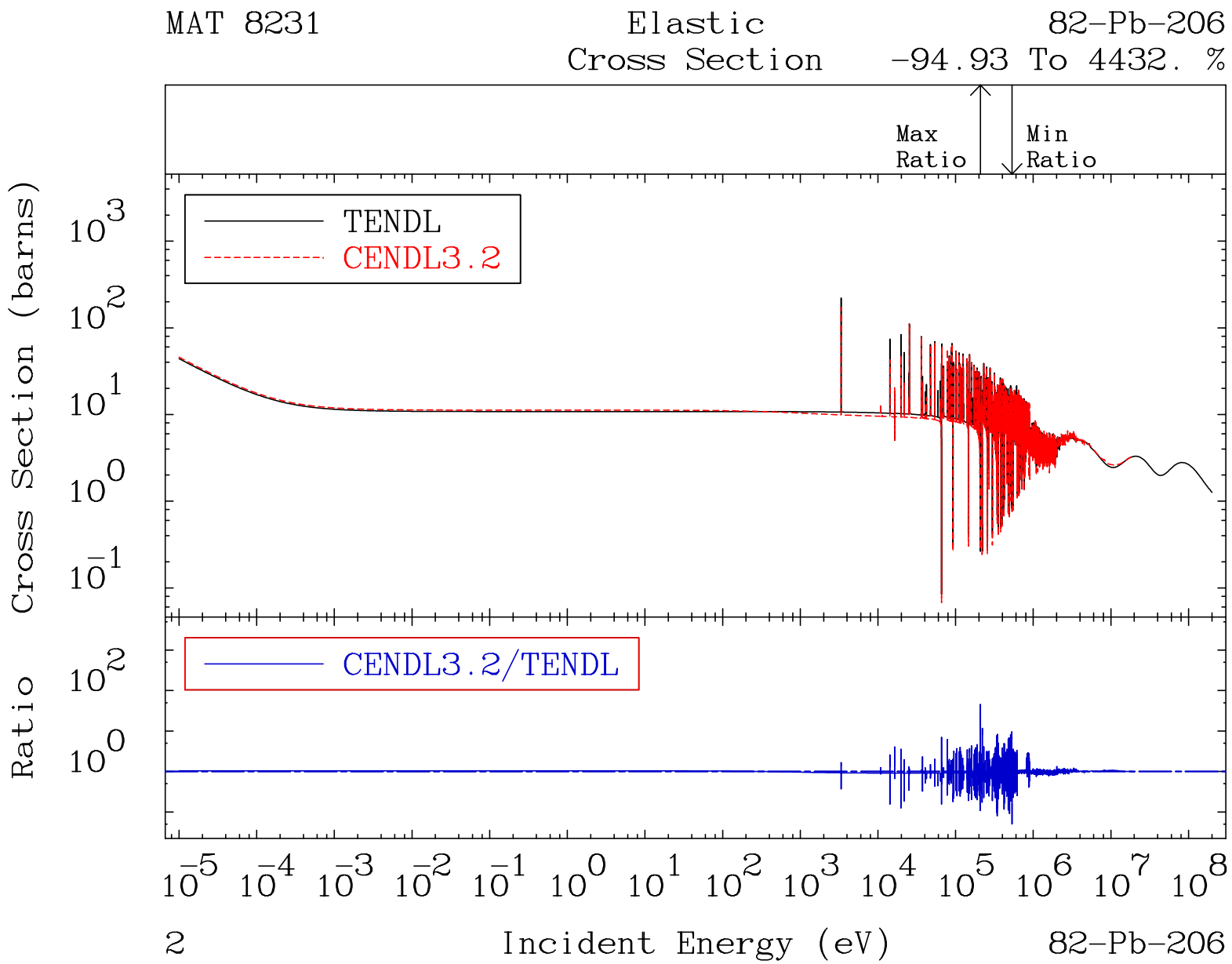
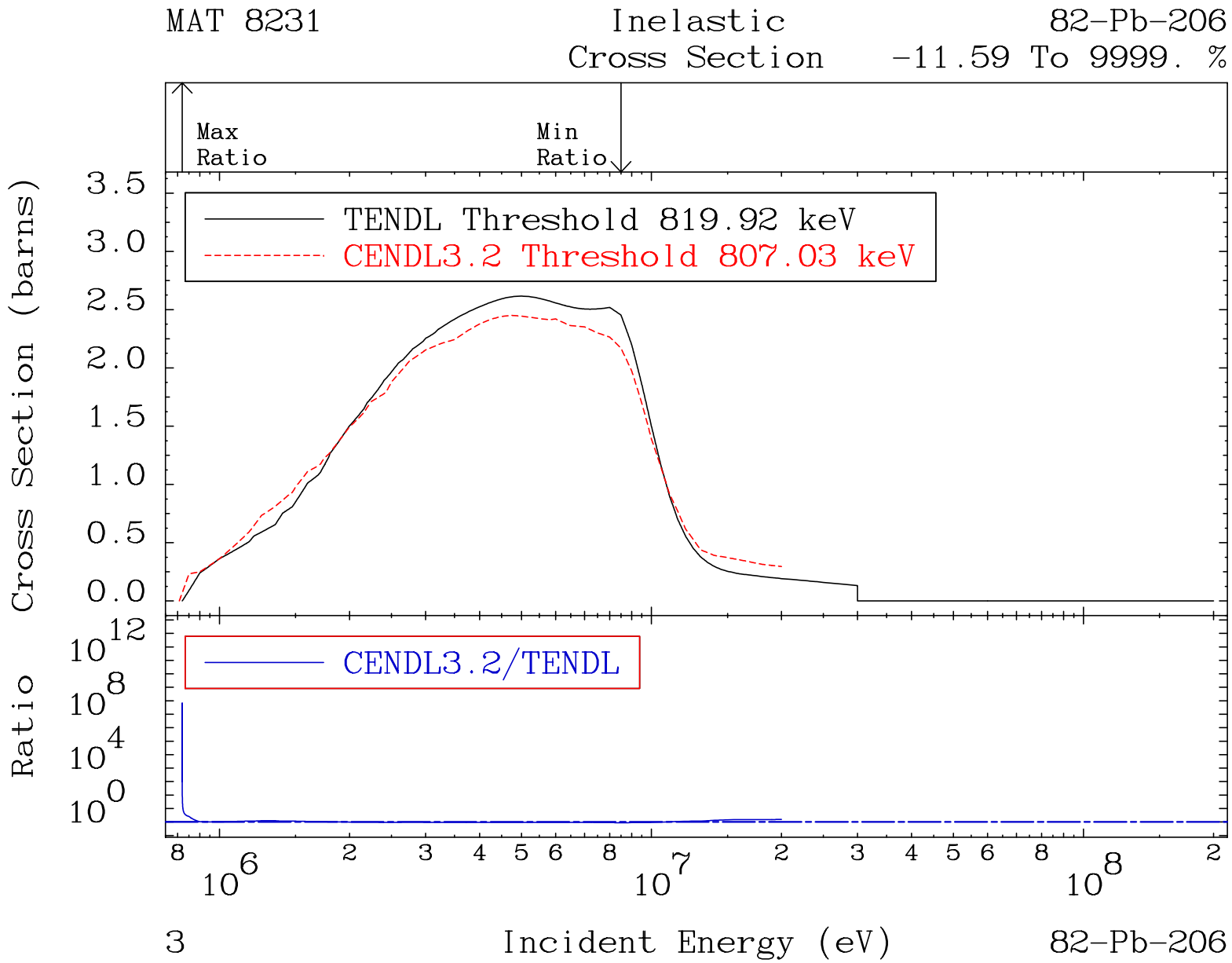
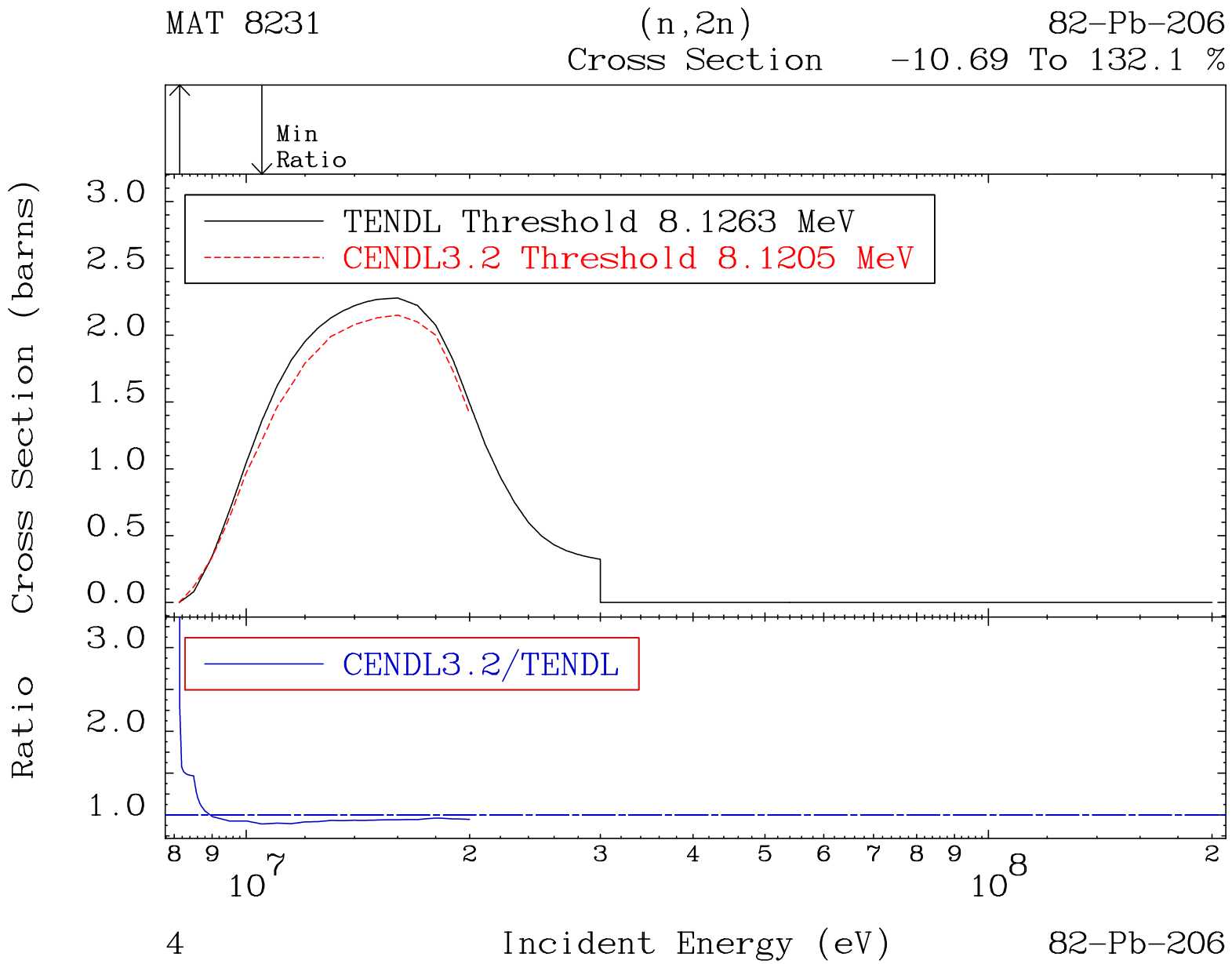
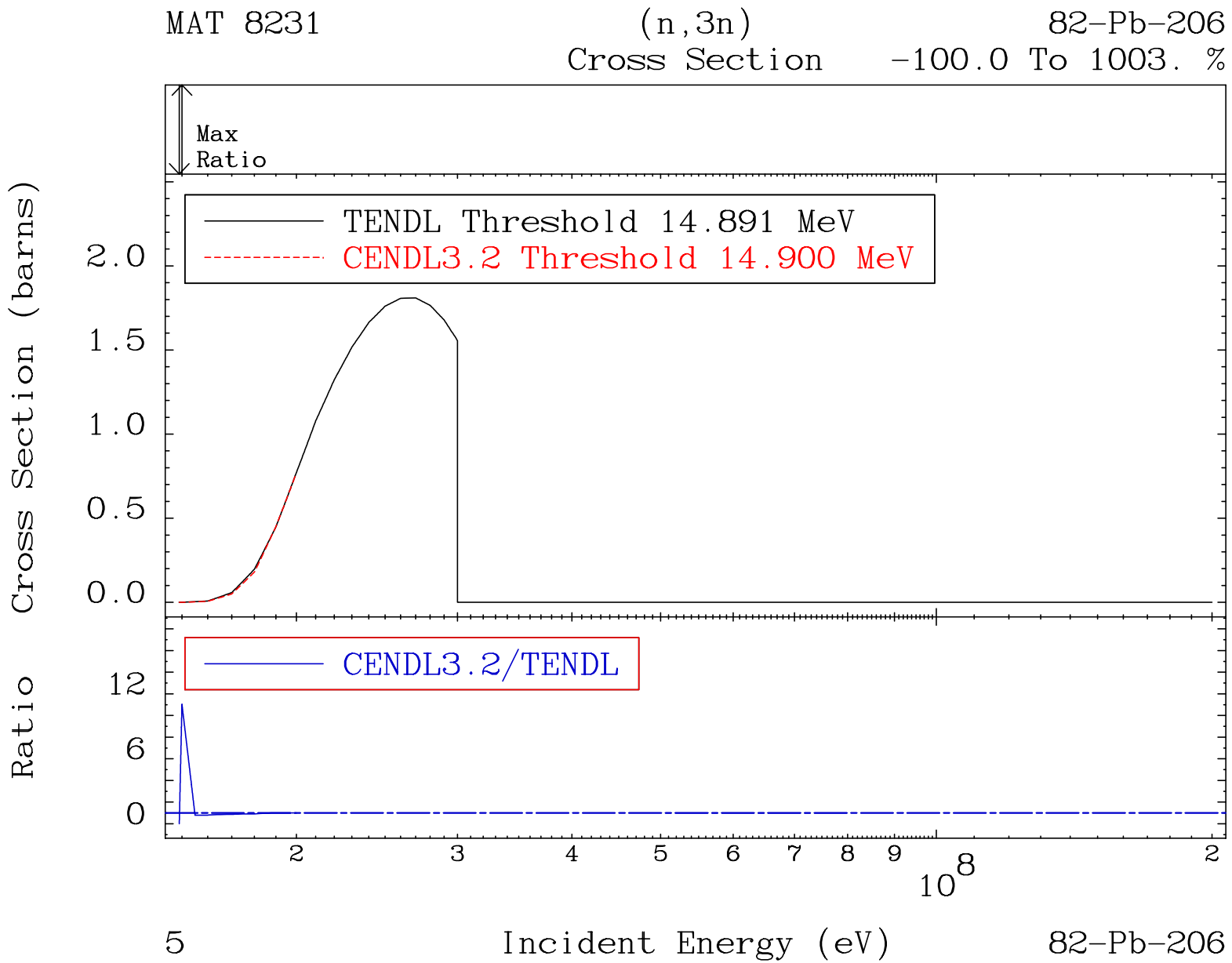
Press Mouse Button to Start

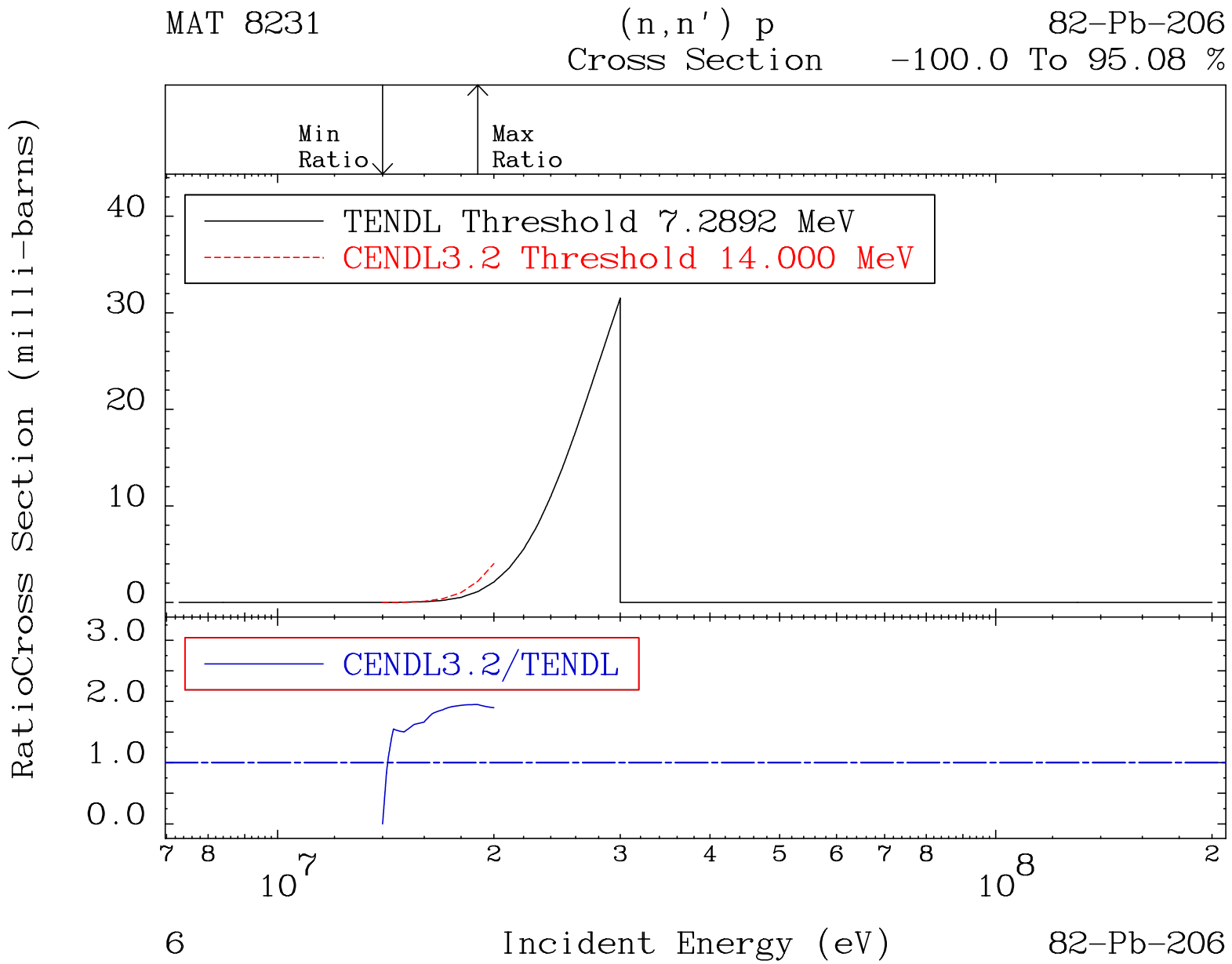

MAT 8231
Total
Cross Section
82-Pb-206
-94.64 To 4365. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
82-Pb-206

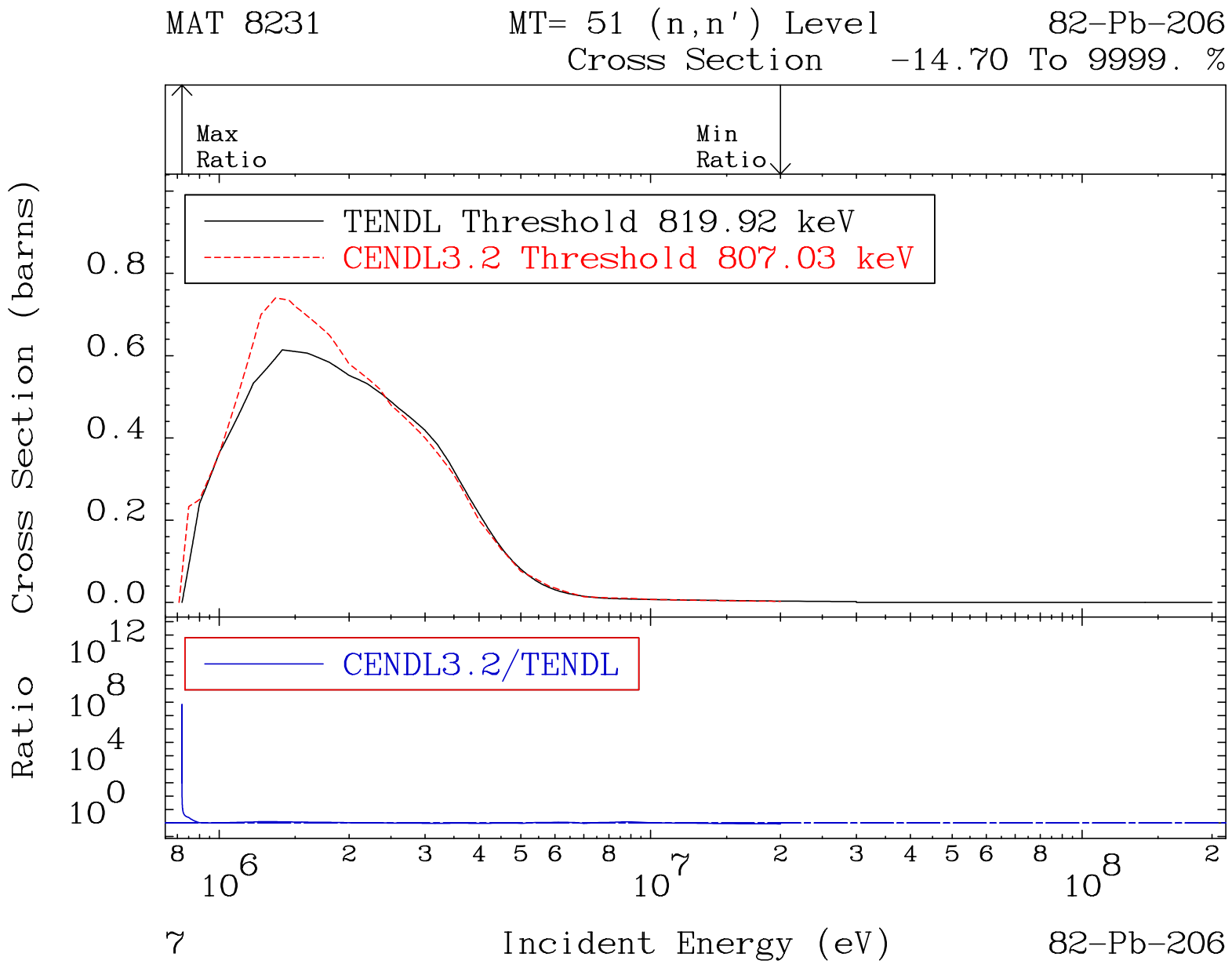

MAT 8231
Elastic
Cross Section
82-Pb-206
-94.93 To 4432. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
82-Pb-206

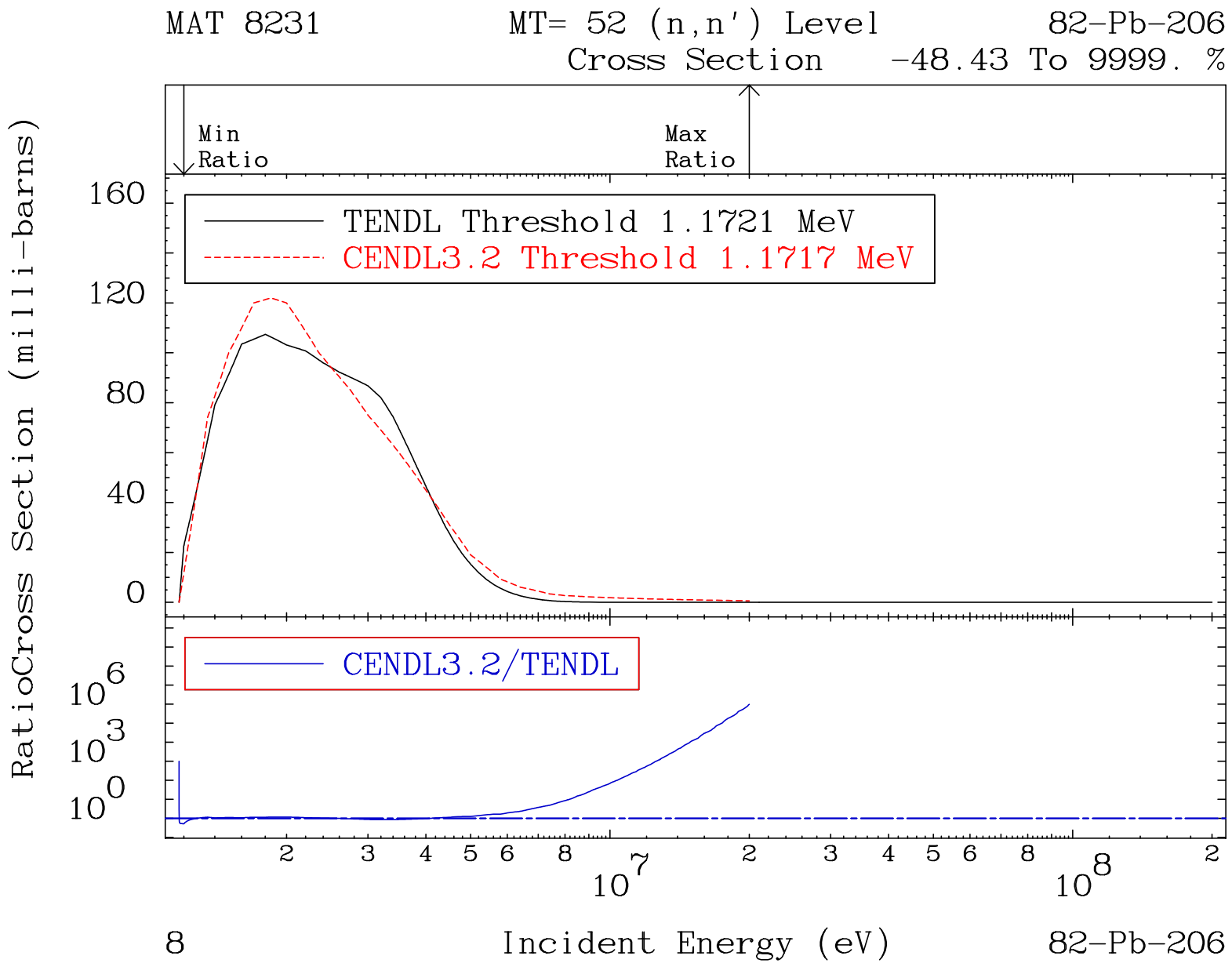

MAT 8231
Inelastic
Cross Section
82-Pb-206
-11.59 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 819.92 keV
CENDL3.2 Threshold 807.03 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
82-Pb-206

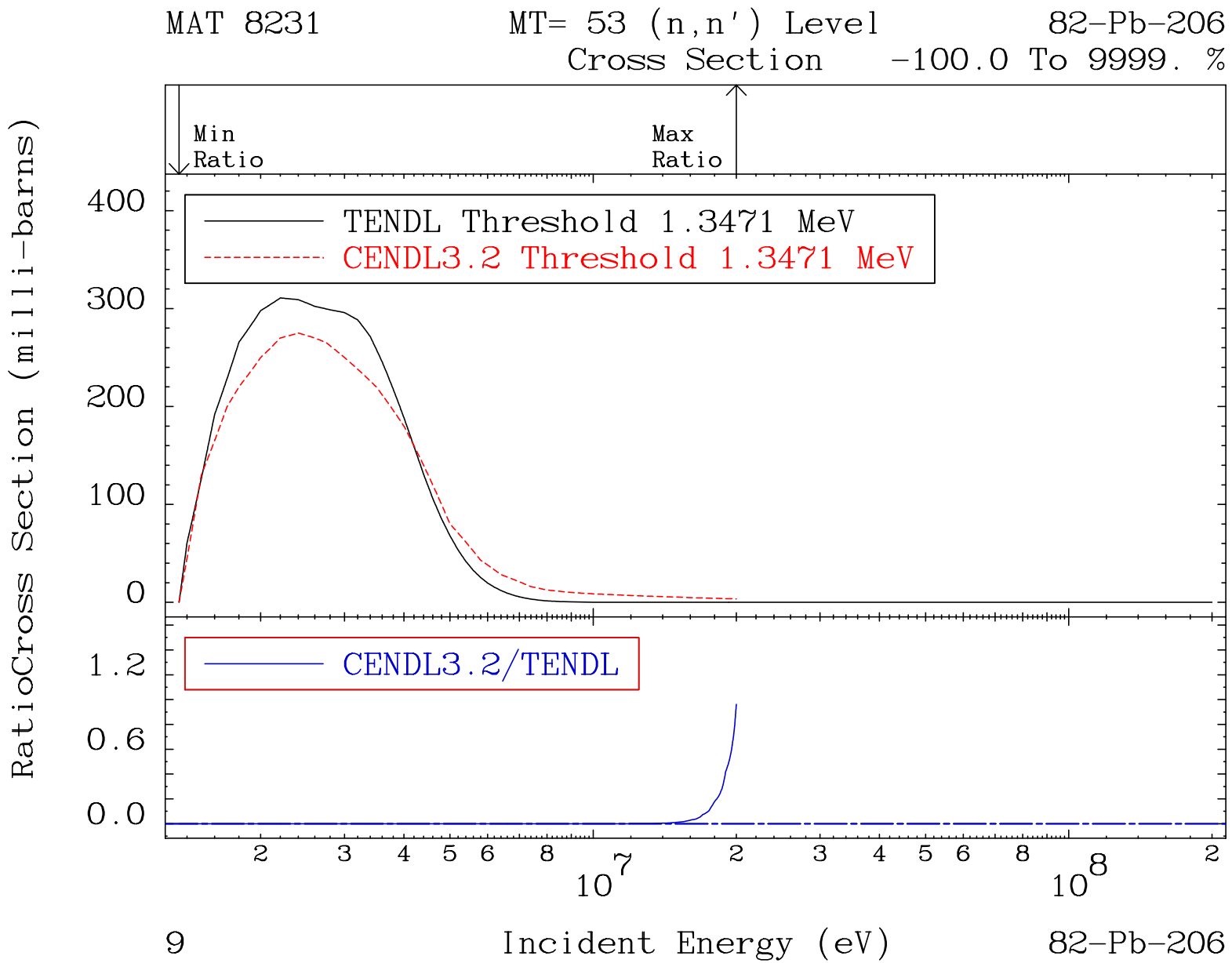

MAT 8231
(n,2n)
Cross Section
82-Pb-206
-10.69 To 132.1 %
Min
Ratio
TENDL Threshold 8.1263 MeV
CENDL3.2 Threshold 8.1205 MeV
CENDL3.2/TENDL
Ratio Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
4
82-Pb-206

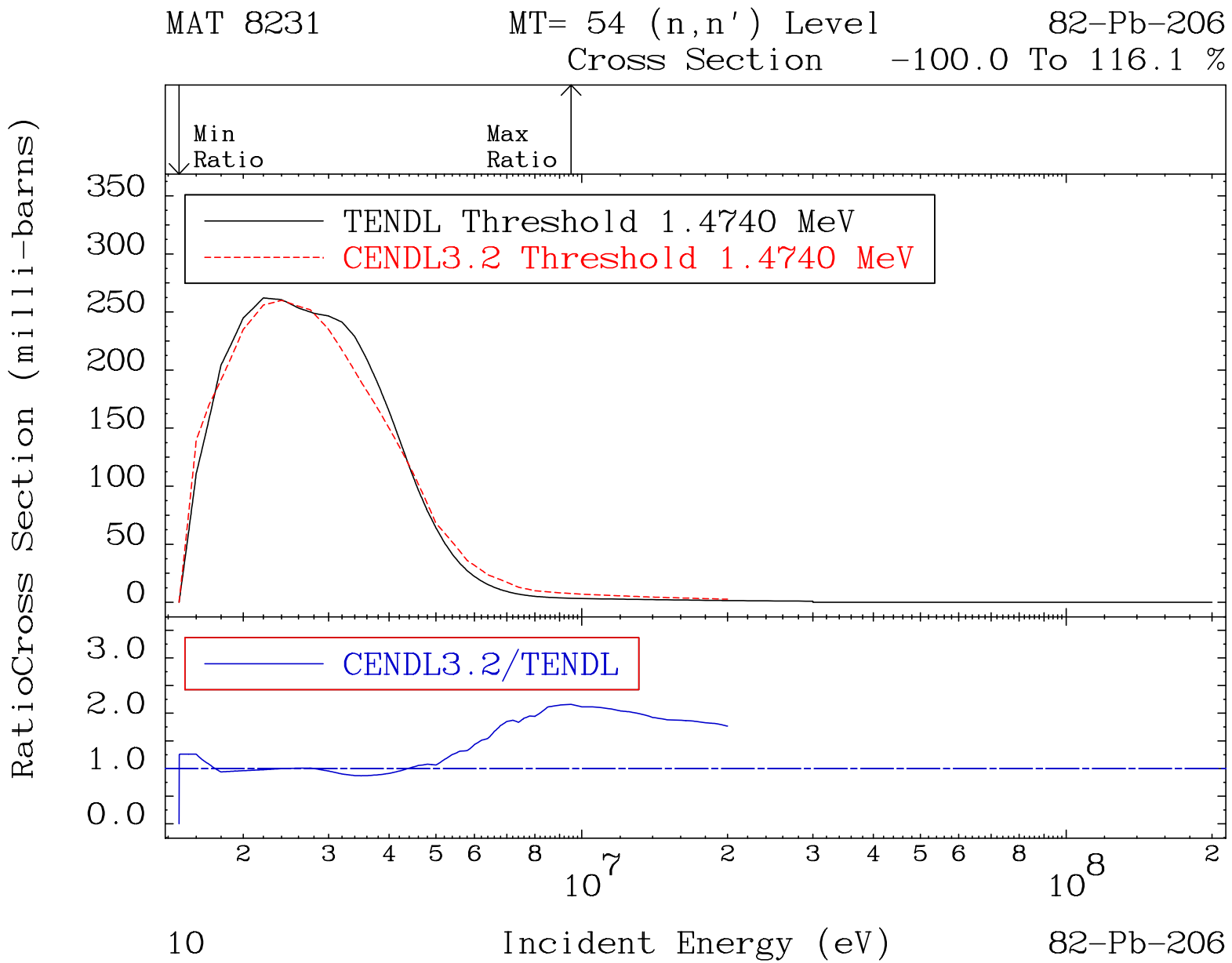

MAT 8231
(n,3n)
Cross Section
82-Pb-206
-100.0 To 1003. %
Max
Ratio
TENDL Threshold 14.891 MeV
CENDL3.2 Threshold 14.900 MeV
2.0
1.5
1.0
0.5
0.0
CENDL3.2/TENDL
12
6
0
Cross Section (barns)
Ratio
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
82-Pb-206

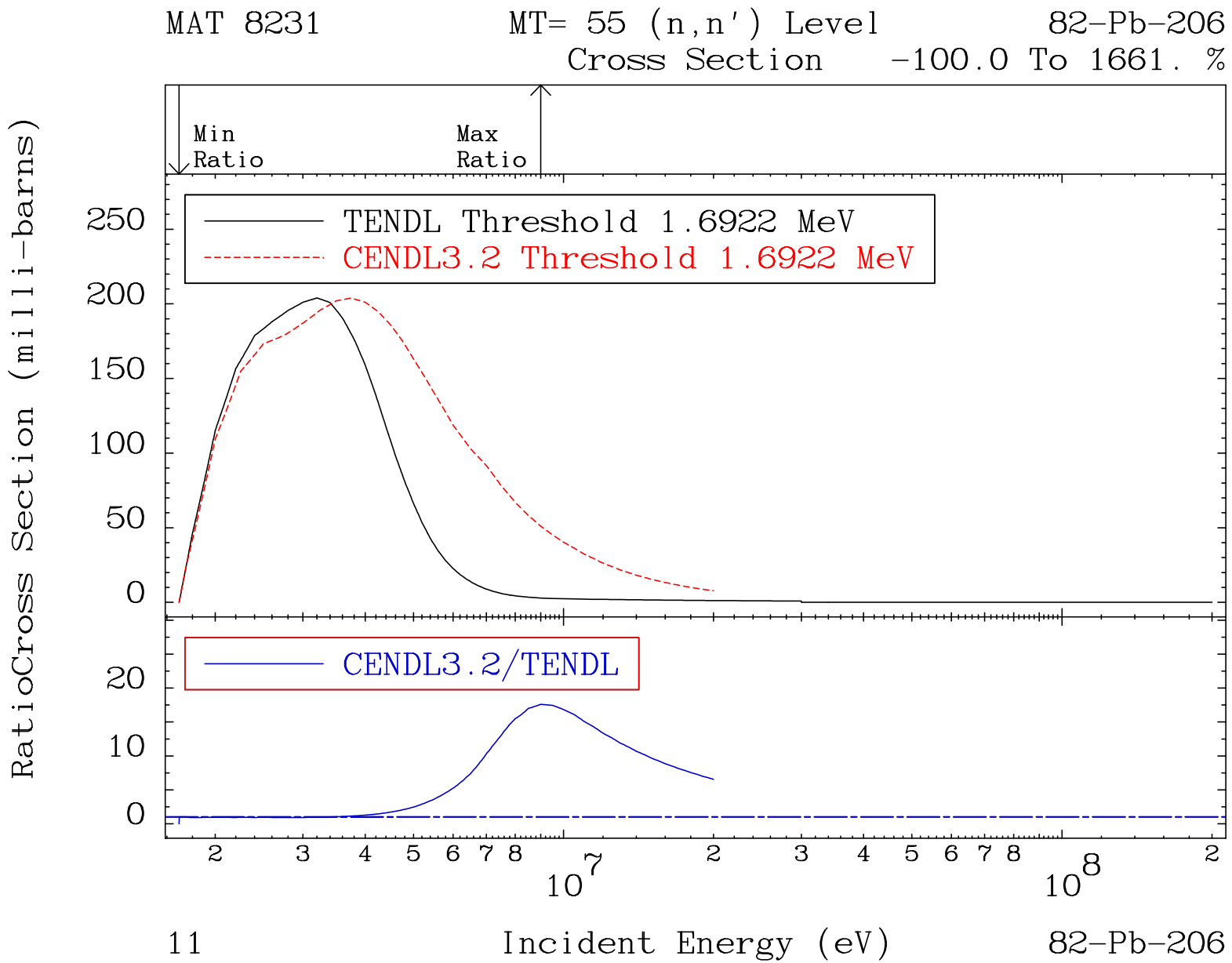

MAT 8231
(n,n') p
Cross Section
82-Pb-206
-100.0 To 95.08 %
Min Ratio
Max Ratio
TENDL Threshold 7.2892 MeV
CENDL3.2 Threshold 14.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
3.0
2.0
1.0
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
6
82-Pb-206

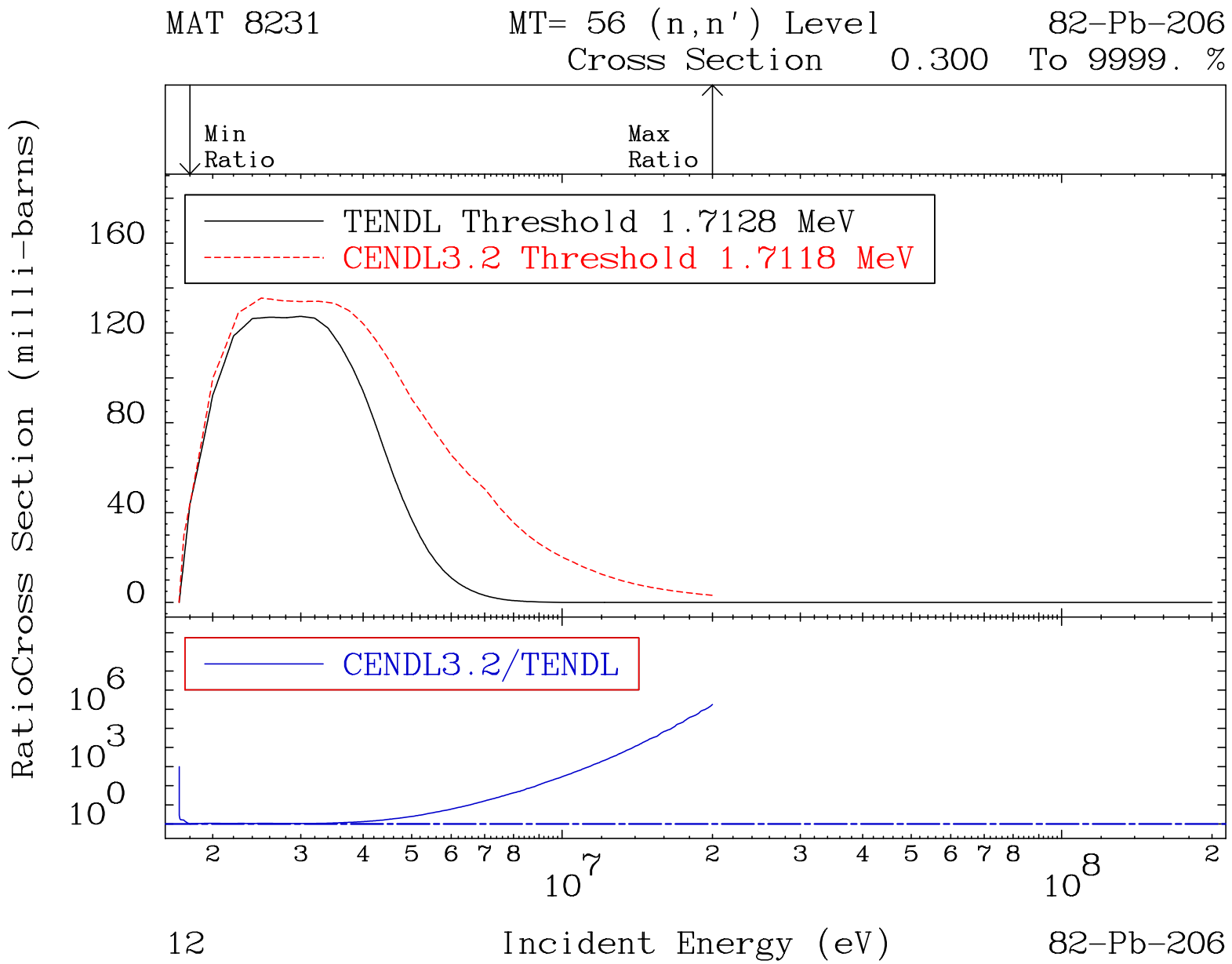

MAT 8231
MT= 51 (n,n') Level
82-Pb-206
Cross Section -14.70 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 819.92 keV
CENDL3.2 Threshold 807.03 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
82-Pb-206

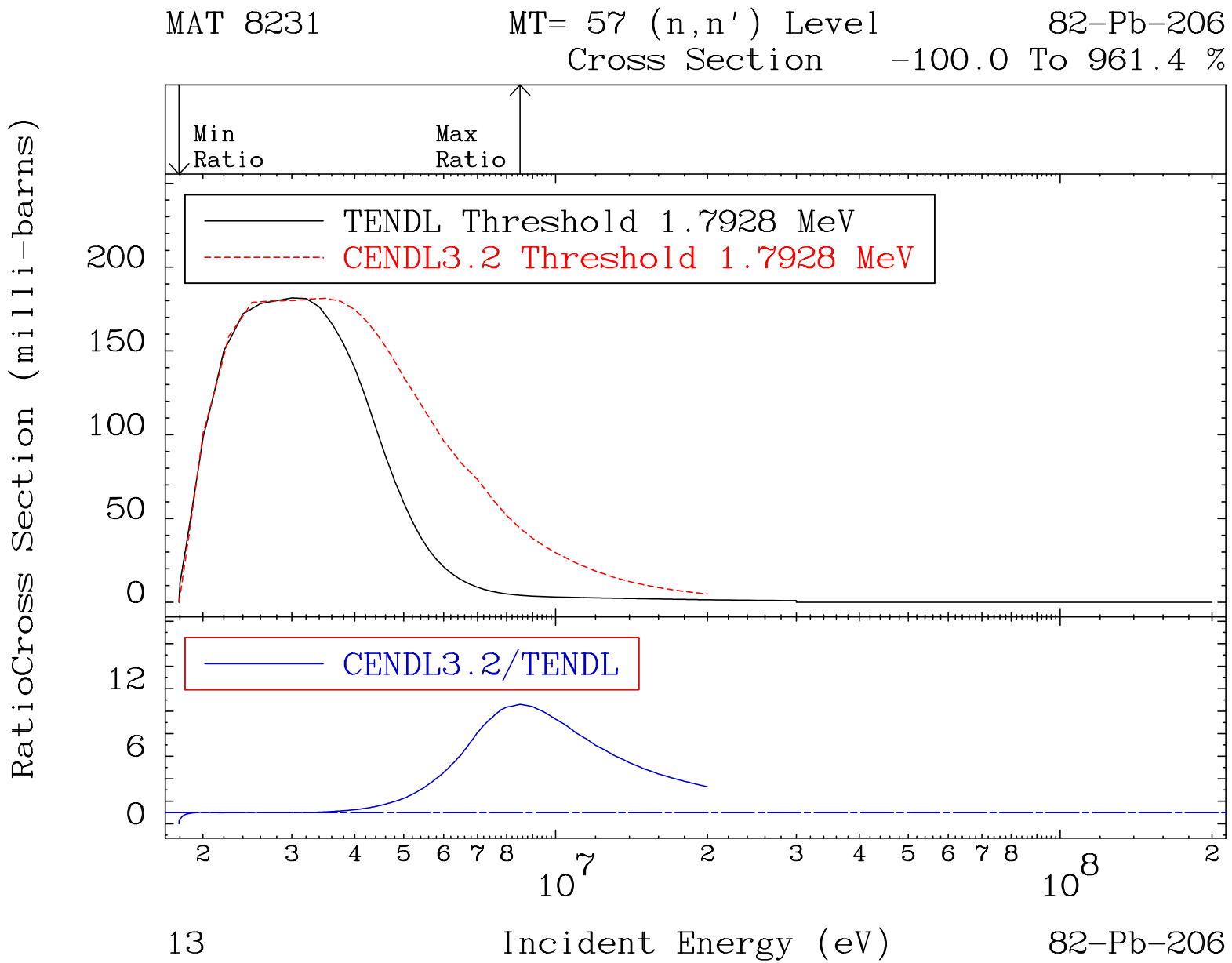

MAT 8231
MT= 52 (n,n') Level
82-Pb-206
Cross Section -48.43 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.1721 MeV
CENDL3.2 Threshold 1.1717 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^6
10^3
10^0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
8
82-Pb-206

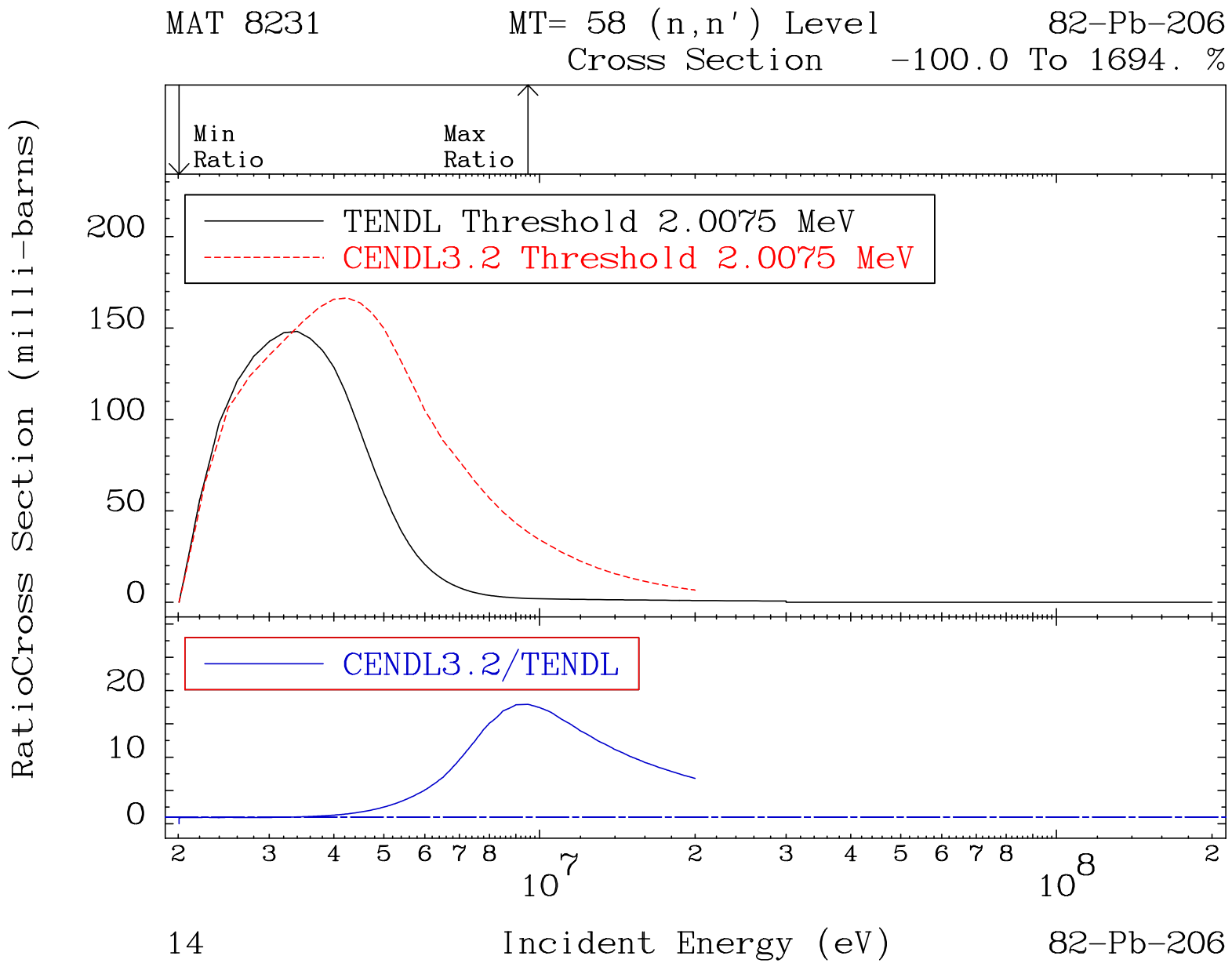

MAT 8231
MT= 53 (n,n') Level
82-Pb-206
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.3471 MeV
CENDL3.2 Threshold 1.3471 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
1.2
0.6
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
9
Incident Energy (eV)
82-Pb-206

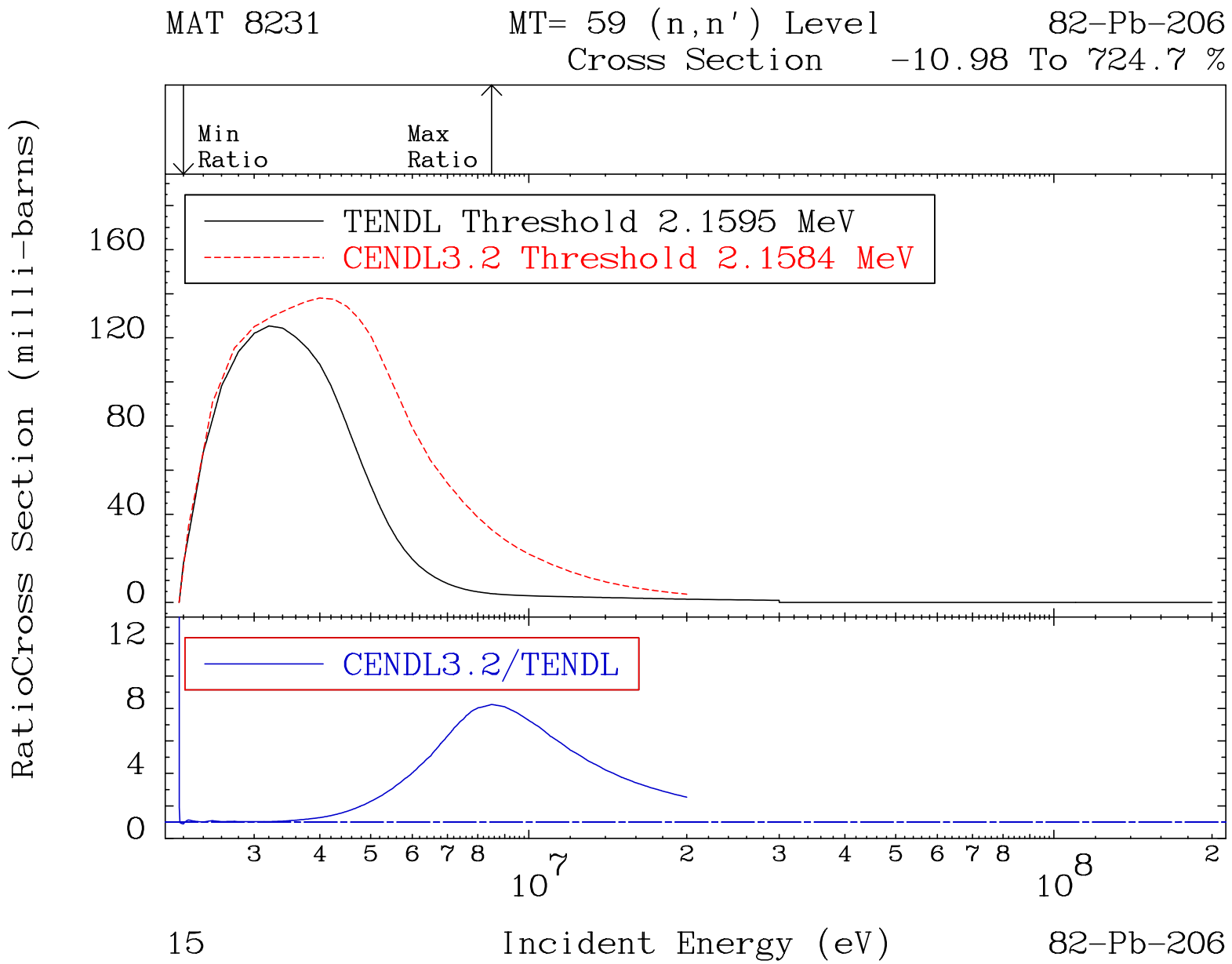

MAT 8231
MT= 54 (n,n') Level
82-Pb-206
Cross Section -100.0 To 116.1 %
Min Ratio
Max Ratio
TENDL Threshold 1.4740 MeV
CENDL3.2 Threshold 1.4740 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
3.0
2.0
1.0
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
10
Incident Energy (eV)
82-Pb-206

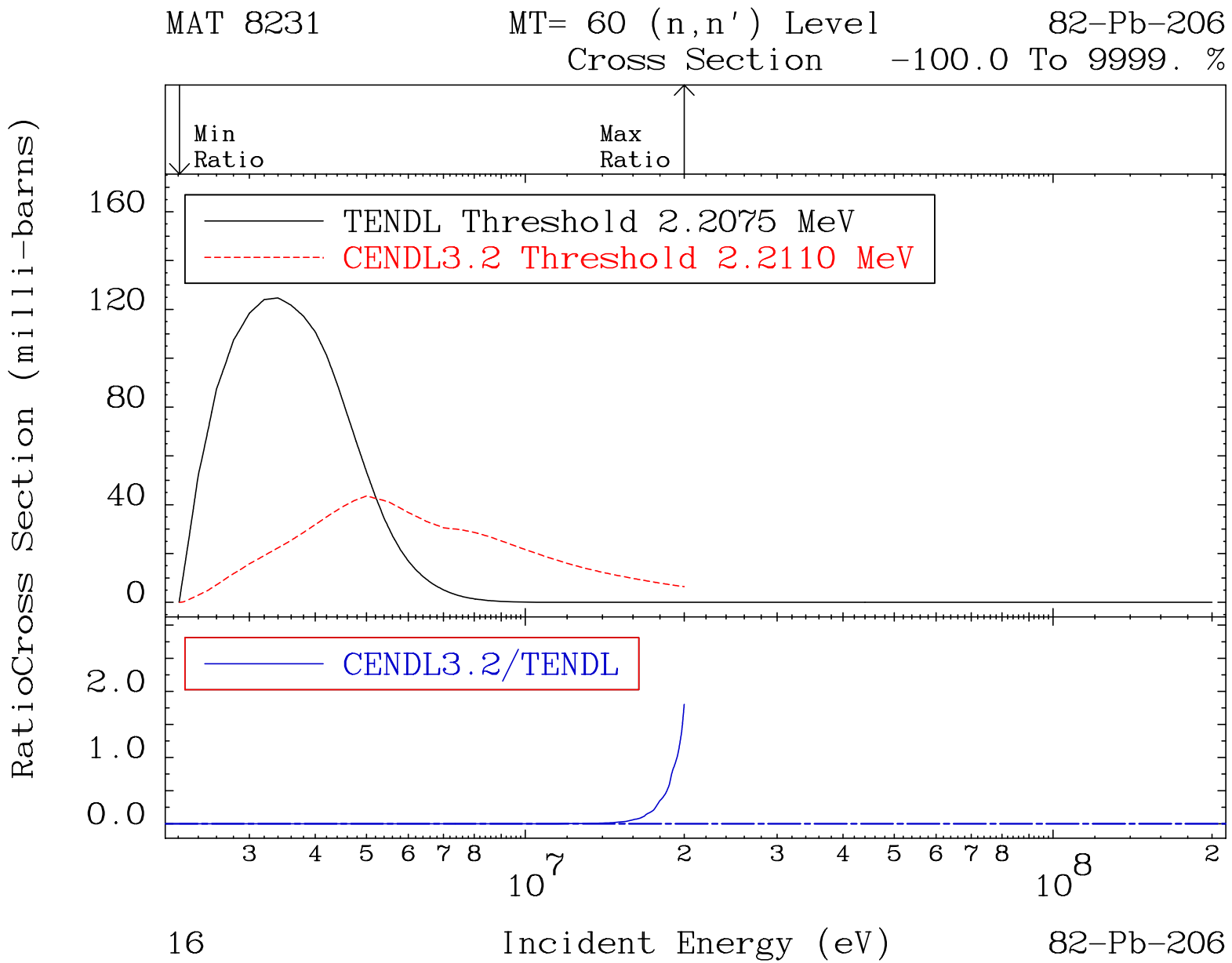

MAT 8231
MT= 55 (n,n') Level
82-Pb-206
Cross Section -100.0 To 1661. %
Min Ratio
Max Ratio
TENDL Threshold 1.6922 MeV
CENDL3.2 Threshold 1.6922 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
20
10
0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
11
Incident Energy (eV)
82-Pb-206

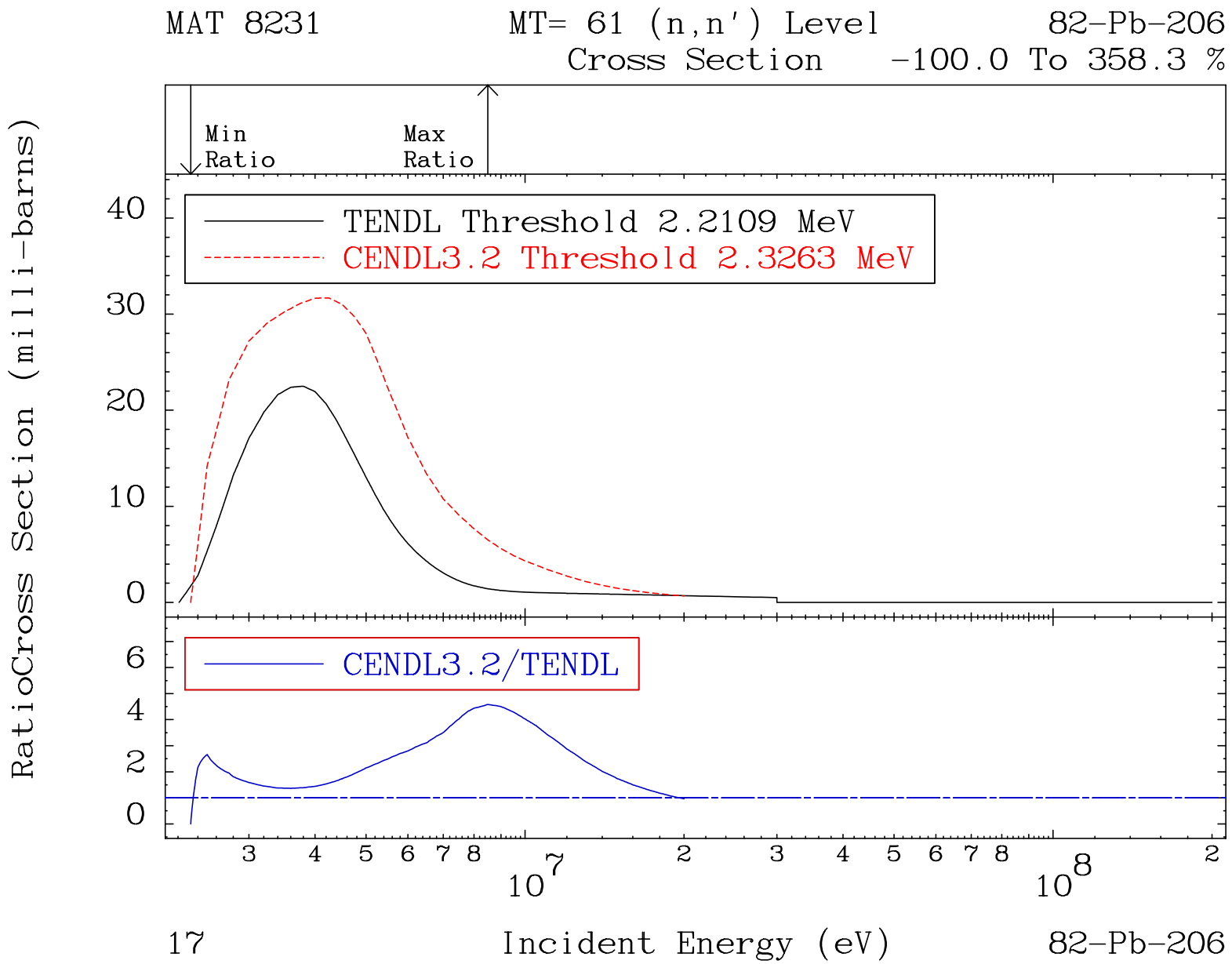

MAT 8231
MT= 56 (n,n') Level
82-Pb-206
Cross Section 0.300 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.7128 MeV
CENDL3.2 Threshold 1.7118 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^6
10^3
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
82-Pb-206

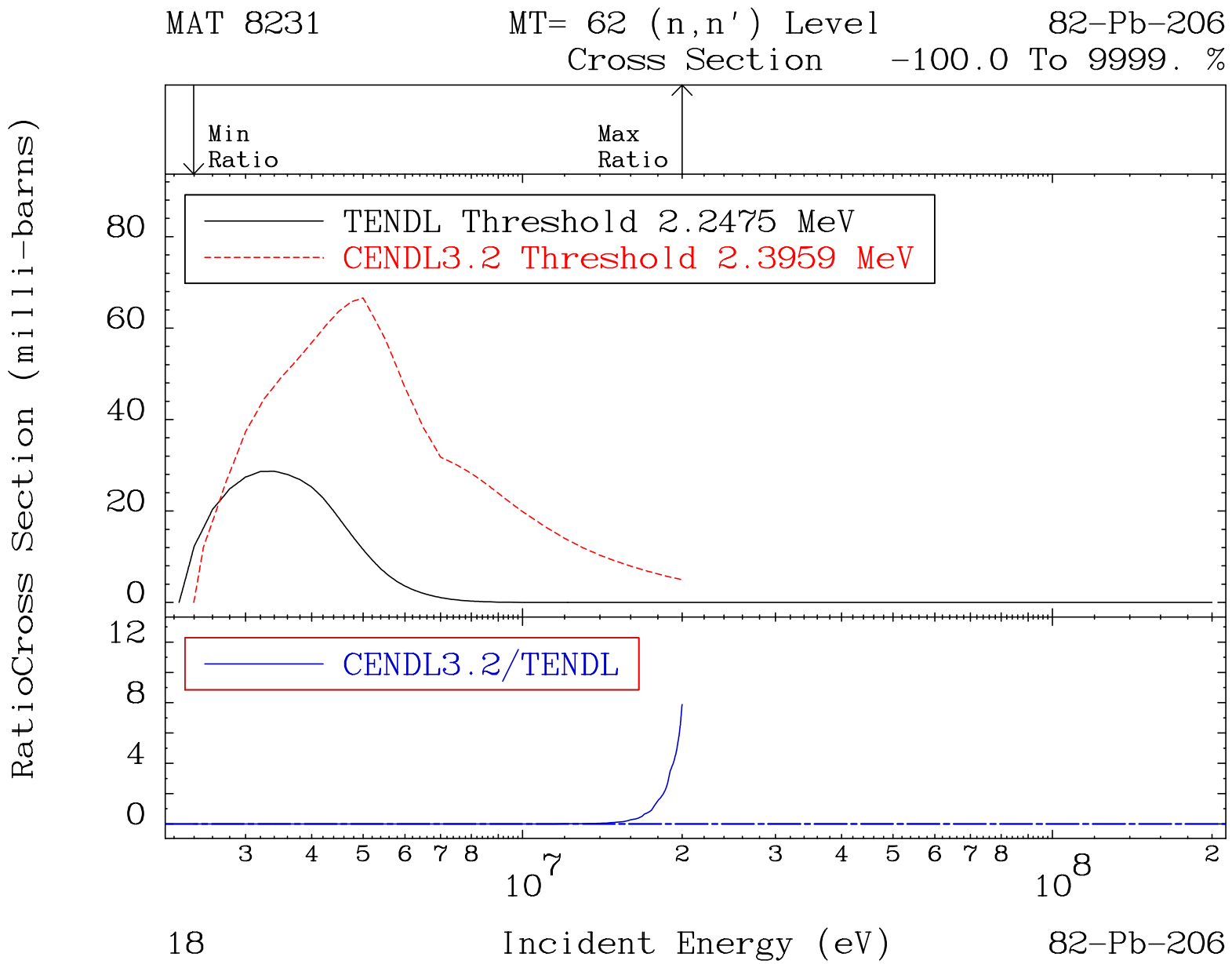

MAT 8231
MT= 57 (n,n') Level
82-Pb-206
Cross Section -100.0 To 961.4 %
Min Ratio
Max Ratio
TENDL Threshold 1.7928 MeV
CENDL3.2 Threshold 1.7928 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
12
6
0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
13
Incident Energy (eV)
82-Pb-206

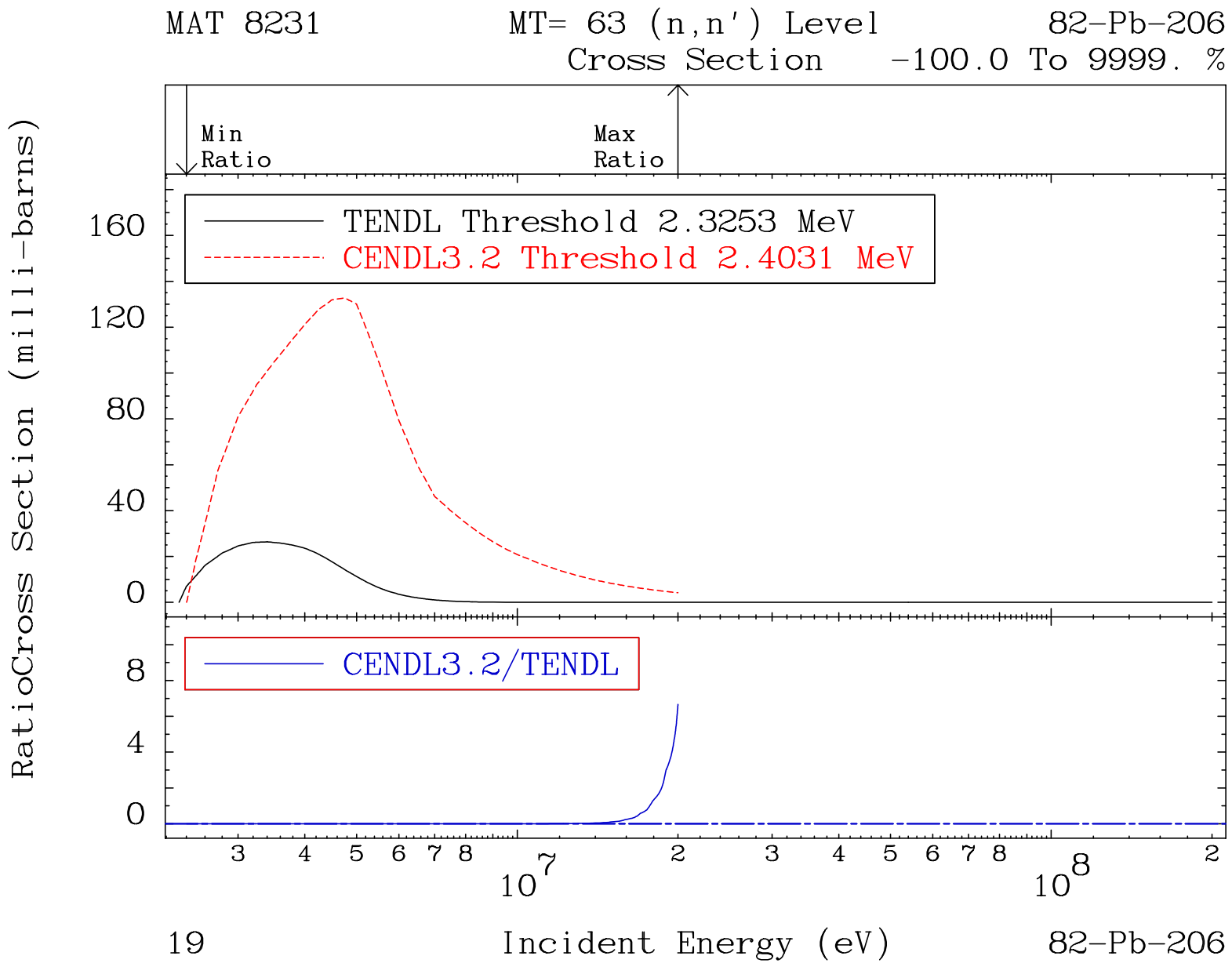

MAT 8231
MT= 58 (n,n') Level
82-Pb-206
Cross Section -100.0 To 1694. %
Min Ratio
Max Ratio
TENDL Threshold 2.0075 MeV
CENDL3.2 Threshold 2.0075 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
20
10
0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
14
Incident Energy (eV)
82-Pb-206

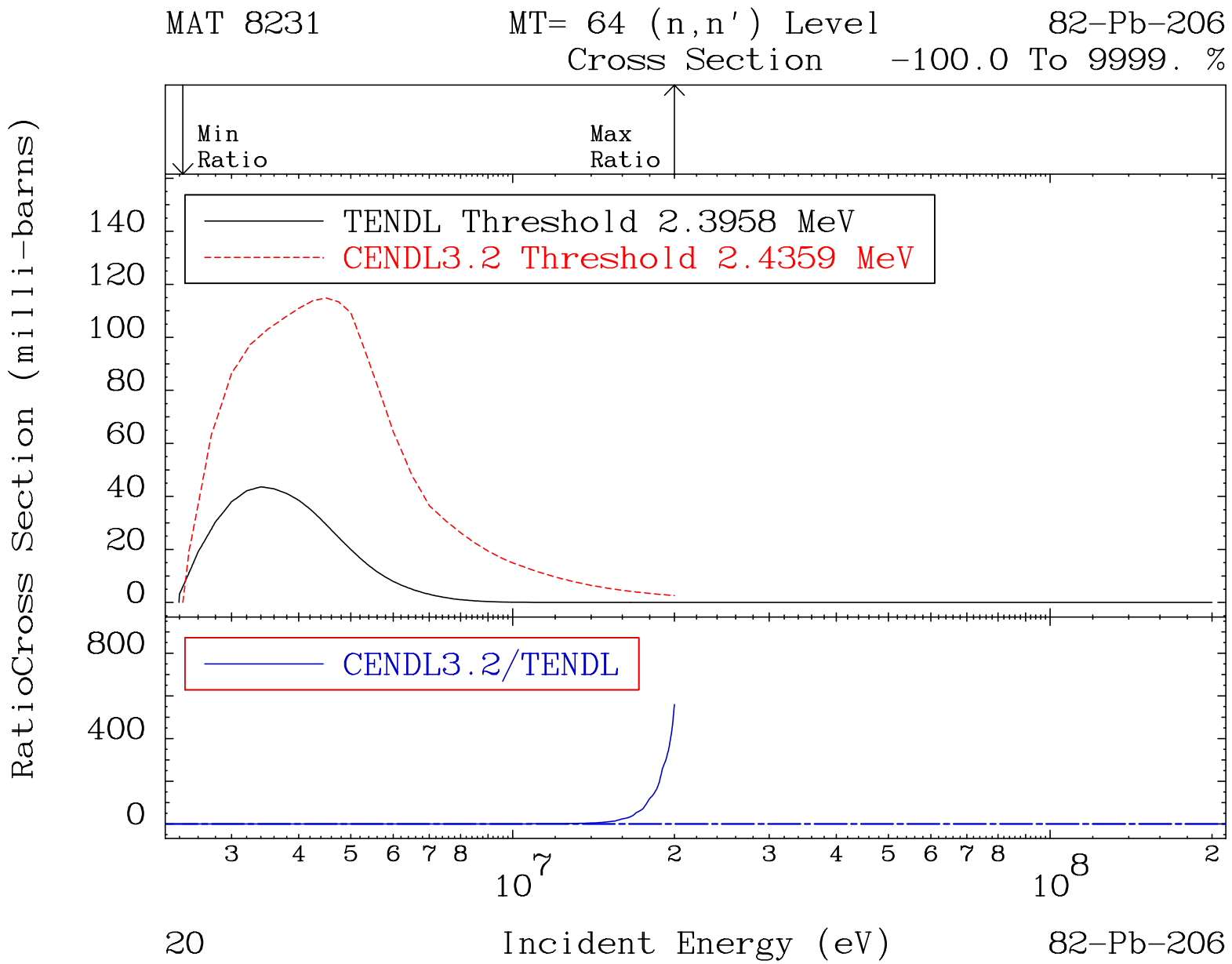

MAT 8231
MT= 59 (n,n') Level
82-Pb-206
Cross Section -10.98 To 724.7 %
Min Ratio
Max Ratio
TENDL Threshold 2.1595 MeV
CENDL3.2 Threshold 2.1584 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
12
8
4
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
15
Incident Energy (eV)
82-Pb-206

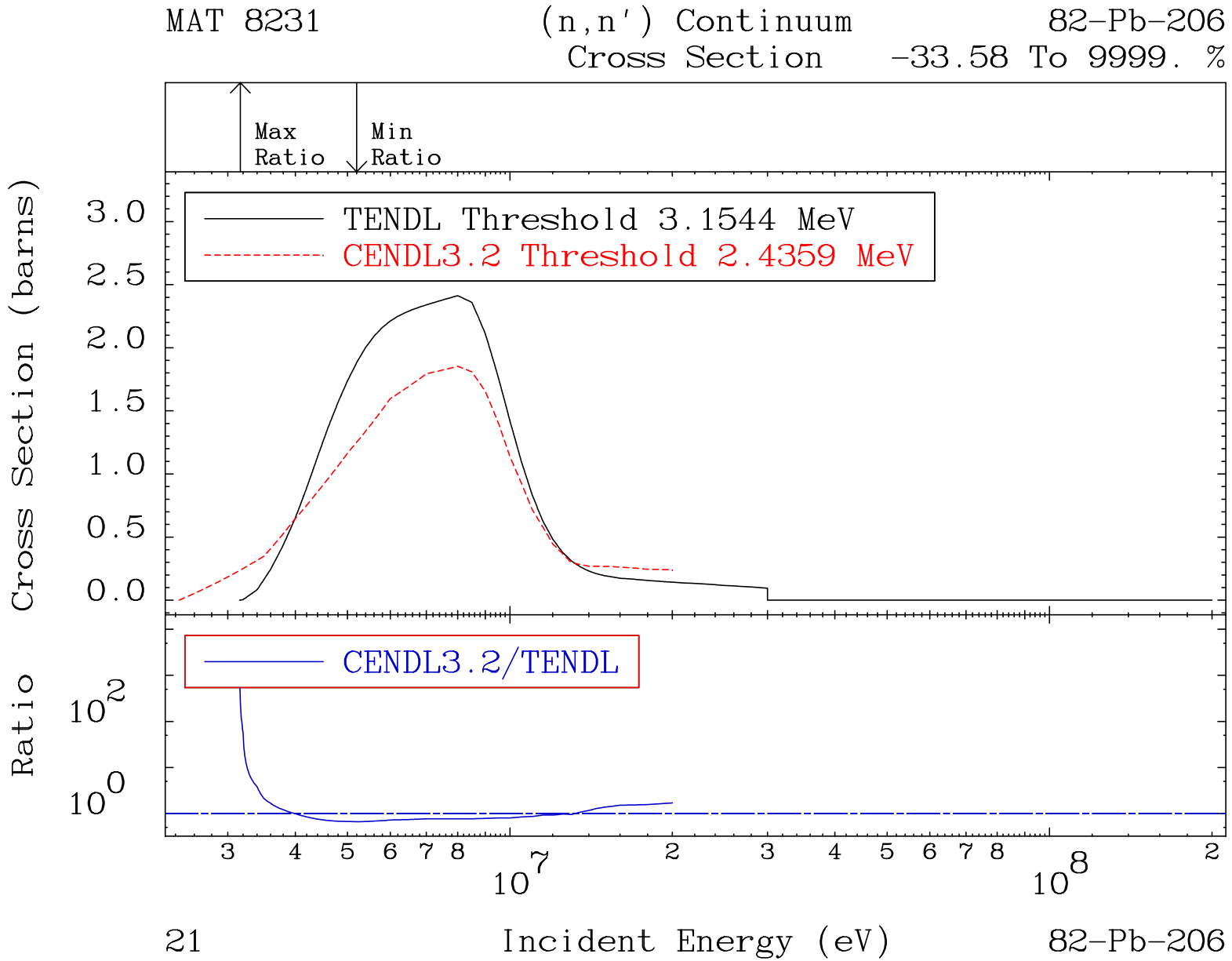

MAT 8231
MT= 60 (n,n') Level
82-Pb-206
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.2075 MeV
CENDL3.2 Threshold 2.2110 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
16
Incident Energy (eV)
82-Pb-206

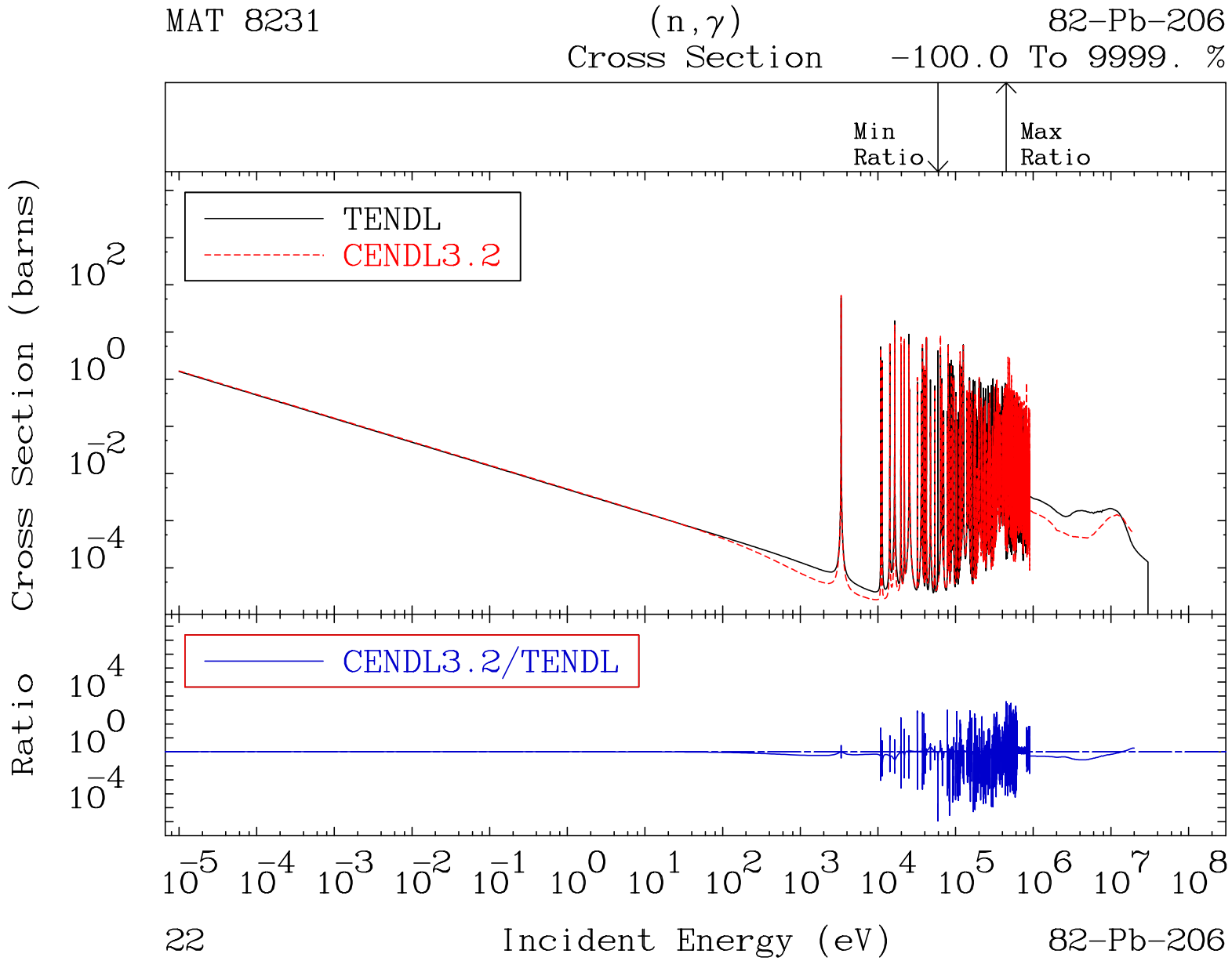

MAT 8231
MT= 61 (n,n') Level
82-Pb-206
Cross Section -100.0 To 358.3 %
Min Ratio
Max Ratio
TENDL Threshold 2.2109 MeV
CENDL3.2 Threshold 2.3263 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
6
4
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
17
Incident Energy (eV)
82-Pb-206

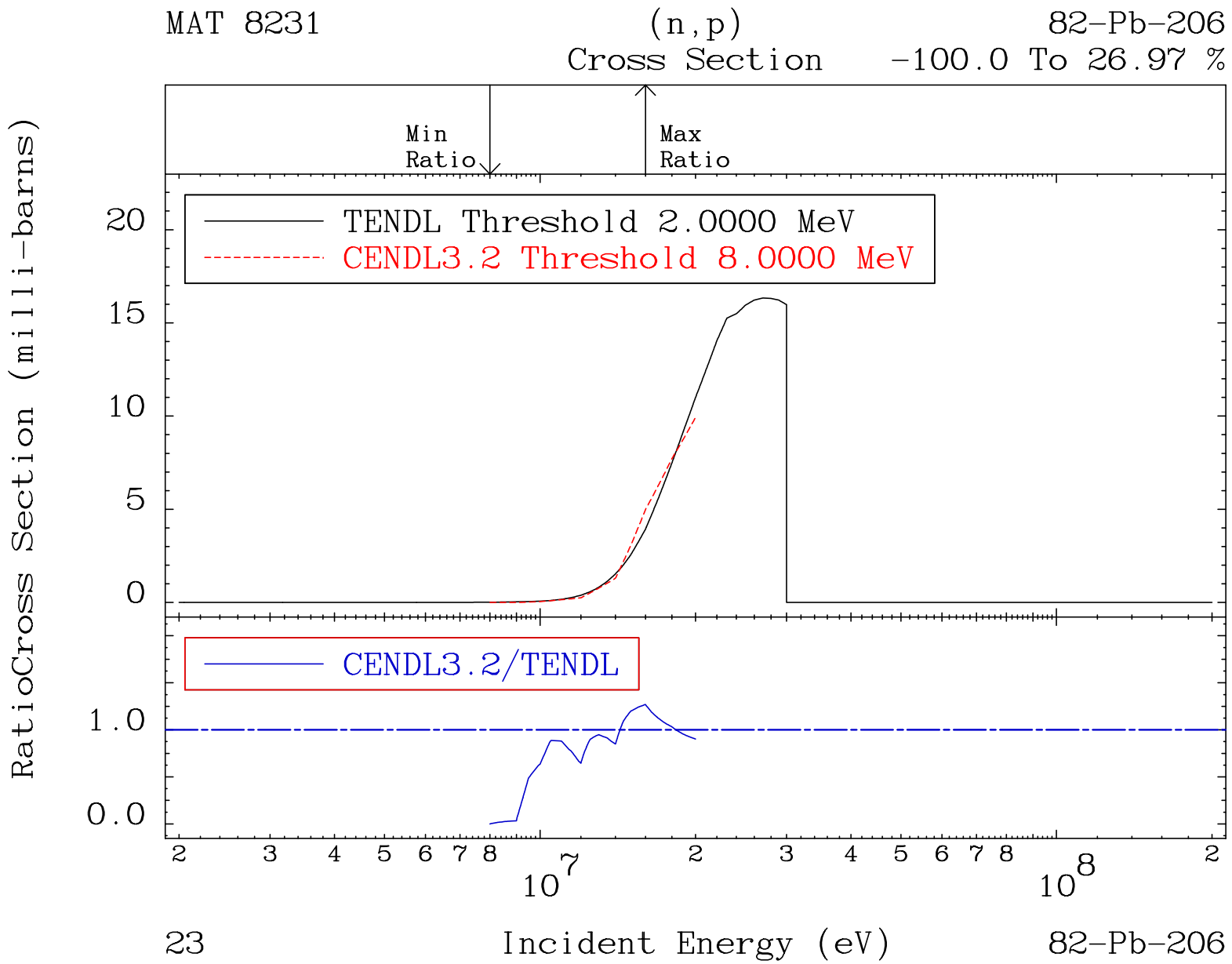

MAT 8231
MT= 62 (n,n') Level
82-Pb-206
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.2475 MeV
CENDL3.2 Threshold 2.3959 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
18
82-Pb-206

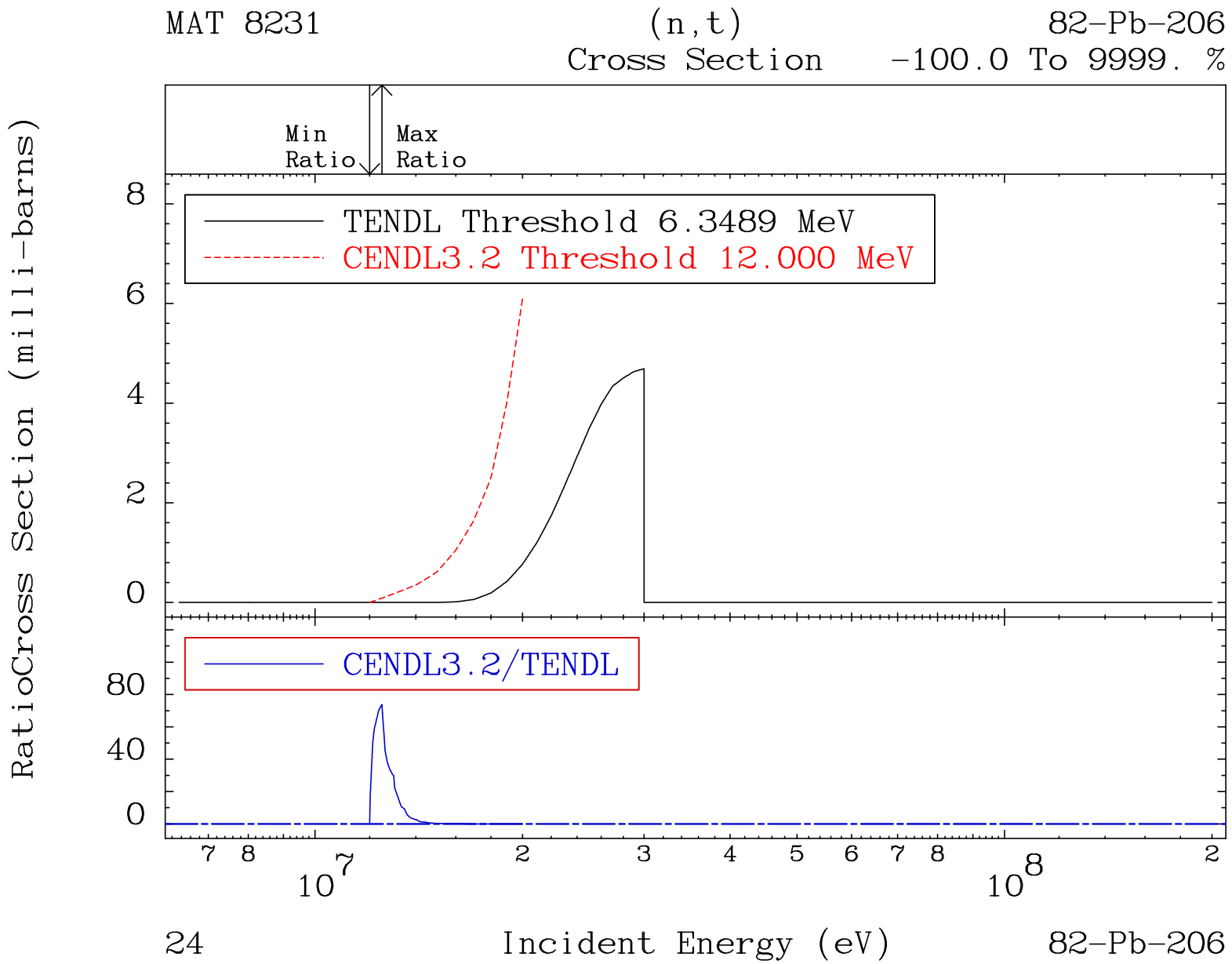

MAT 8231
MT= 63 (n,n') Level
82-Pb-206
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.3253 MeV
CENDL3.2 Threshold 2.4031 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
8
4
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
19
Incident Energy (eV)
82-Pb-206

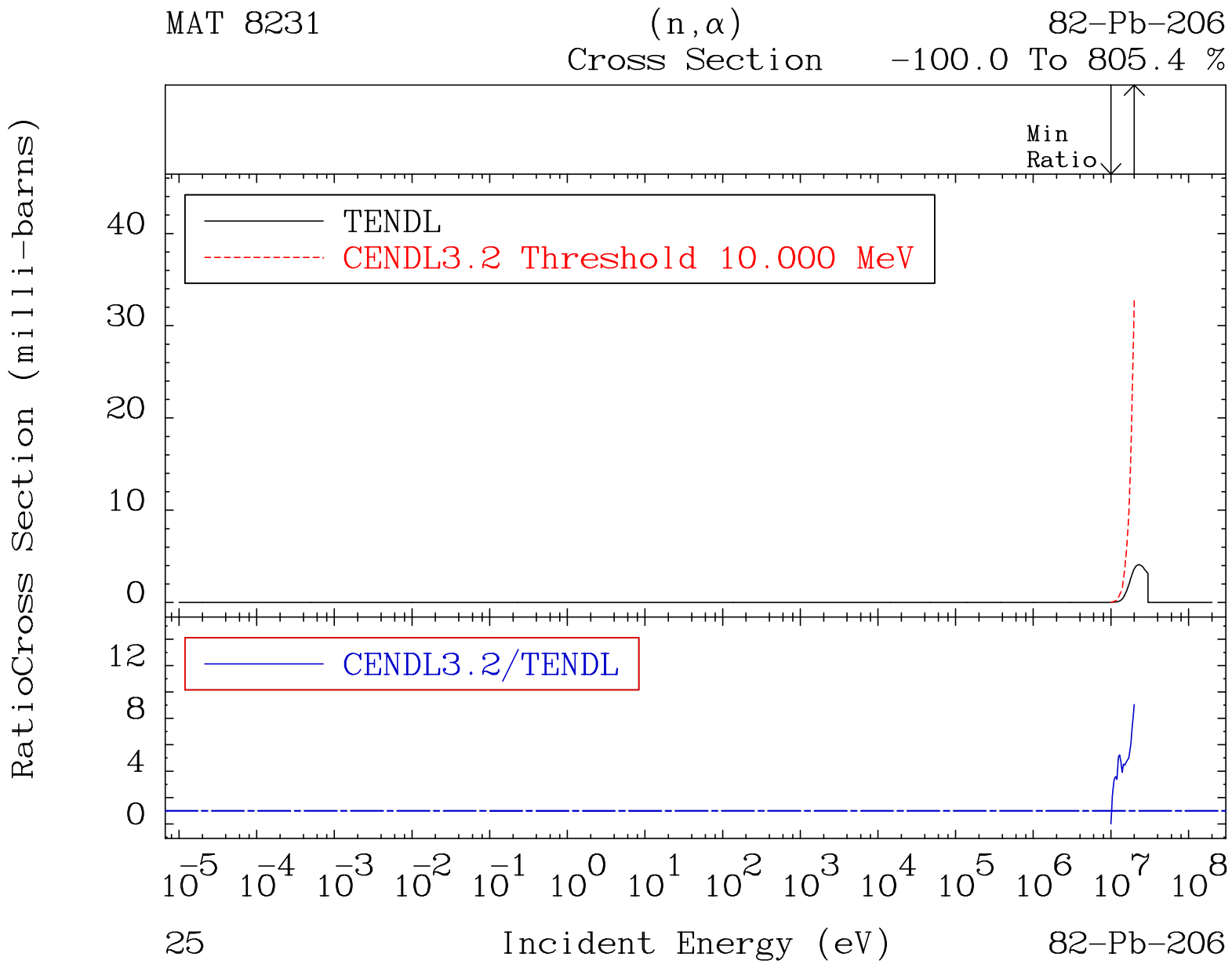

MAT 8231
MT= 64 (n,n') Level
82-Pb-206
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.3958 MeV
CENDL3.2 Threshold 2.4359 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
800
400
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
82-Pb-206

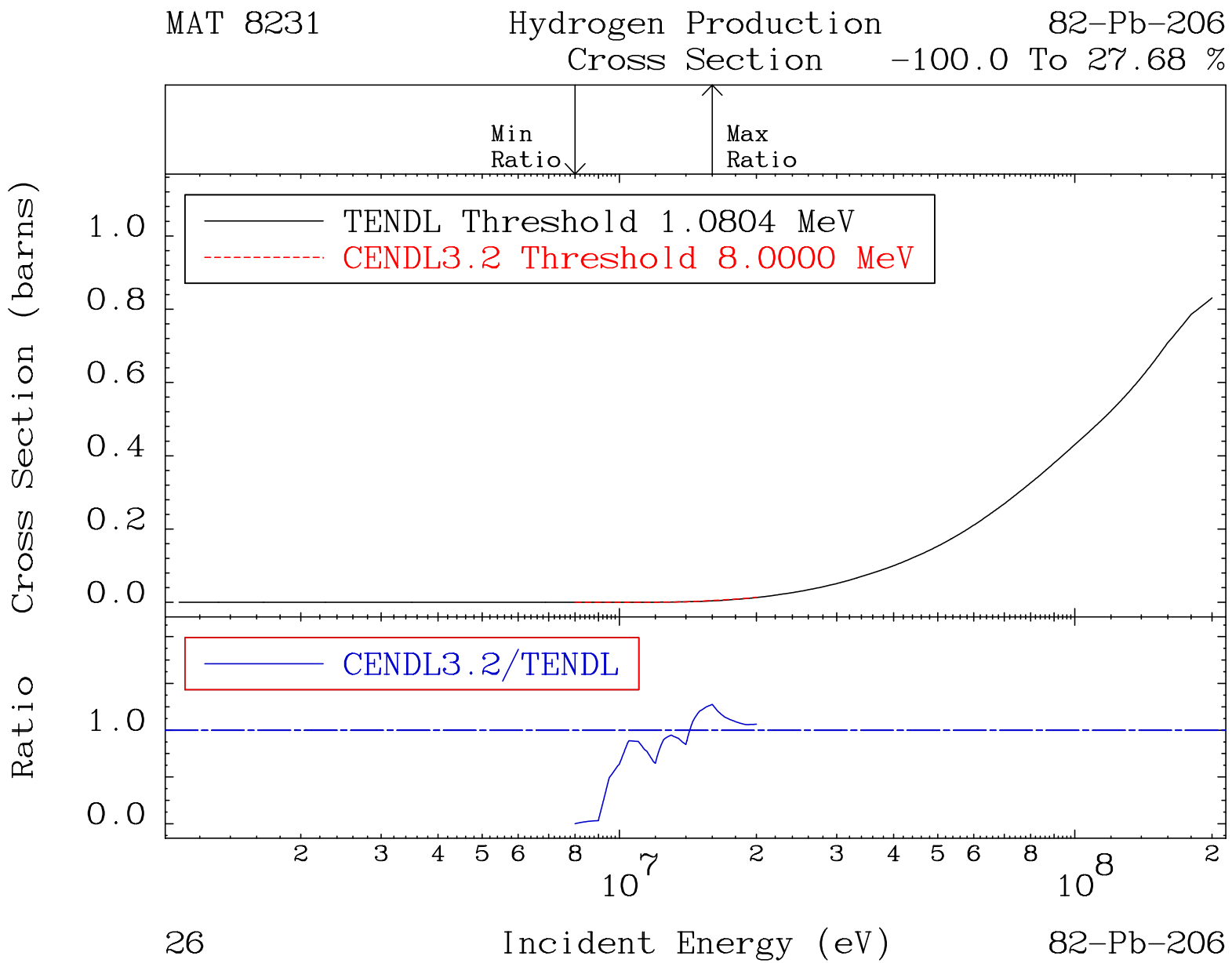

MAT 8231
(n,n') Continuum
Cross Section
82-Pb-206
-33.58 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.1544 MeV
CENDL3.2 Threshold 2.4359 MeV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
CENDL3.2/TENDL
Ratio
10^2
10^0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
82-Pb-206

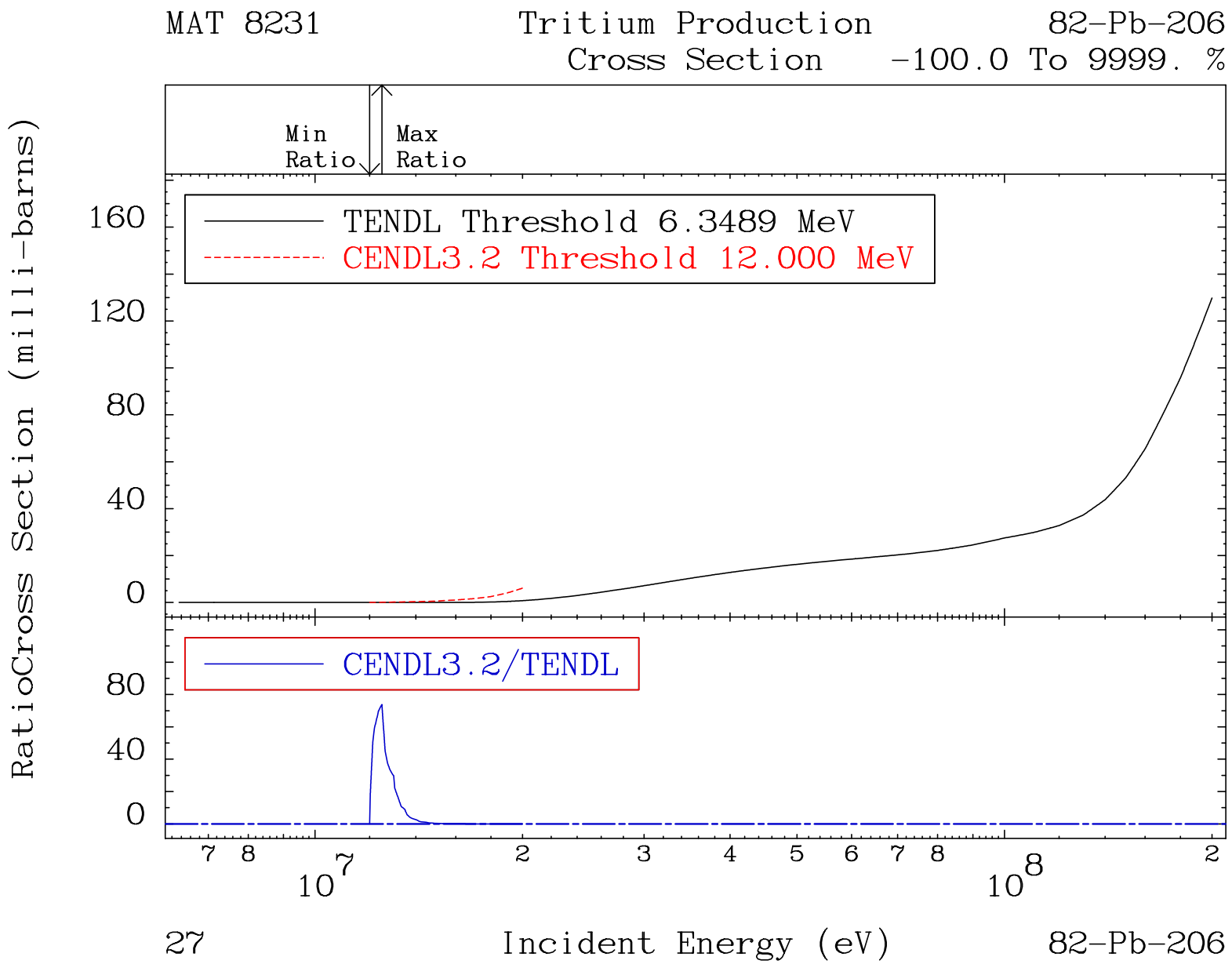

MAT 8231
(n,γ)
Cross Section
82-Pb-206
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
22
82-Pb-206

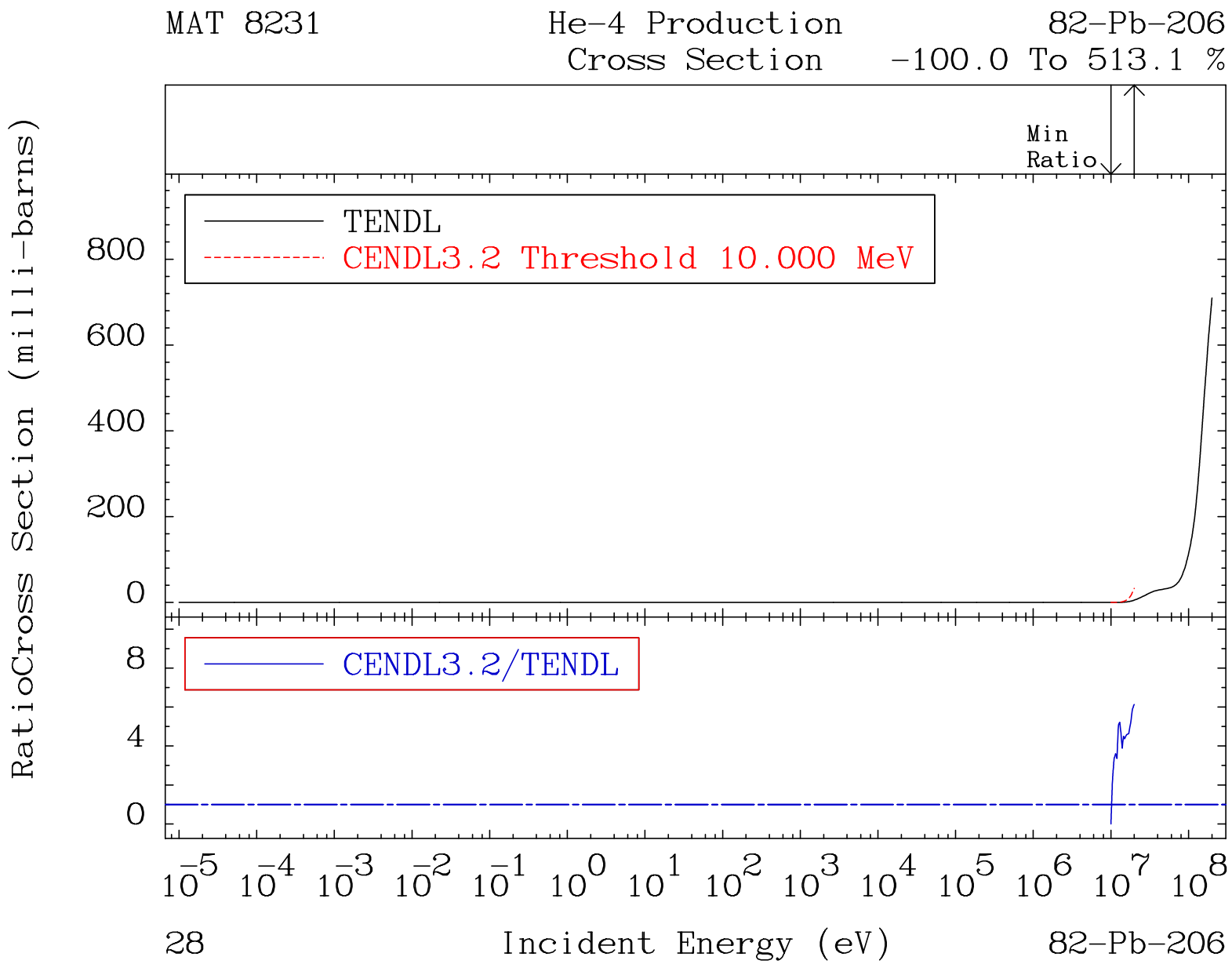

MAT 8231
(n,p)
Cross Section
82-Pb-206
-100.0 To 26.97 %
Min Ratio
Max Ratio
TENDL Threshold 2.0000 MeV
CENDL3.2 Threshold 8.0000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
82-Pb-206

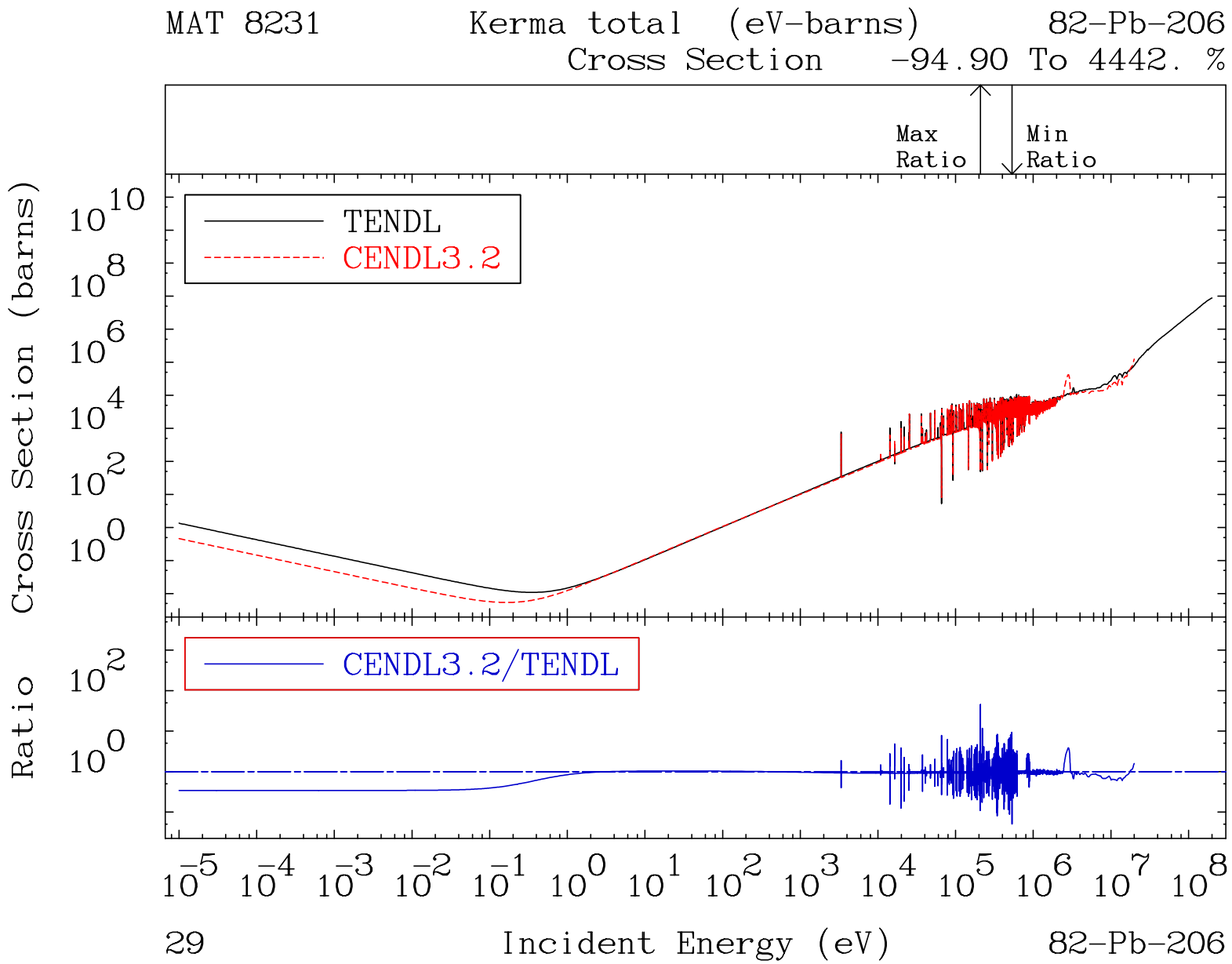

MAT 8231
(n,t)
82-Pb-206
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.3489 MeV
CENDL3.2 Threshold 12.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
24
82-Pb-206

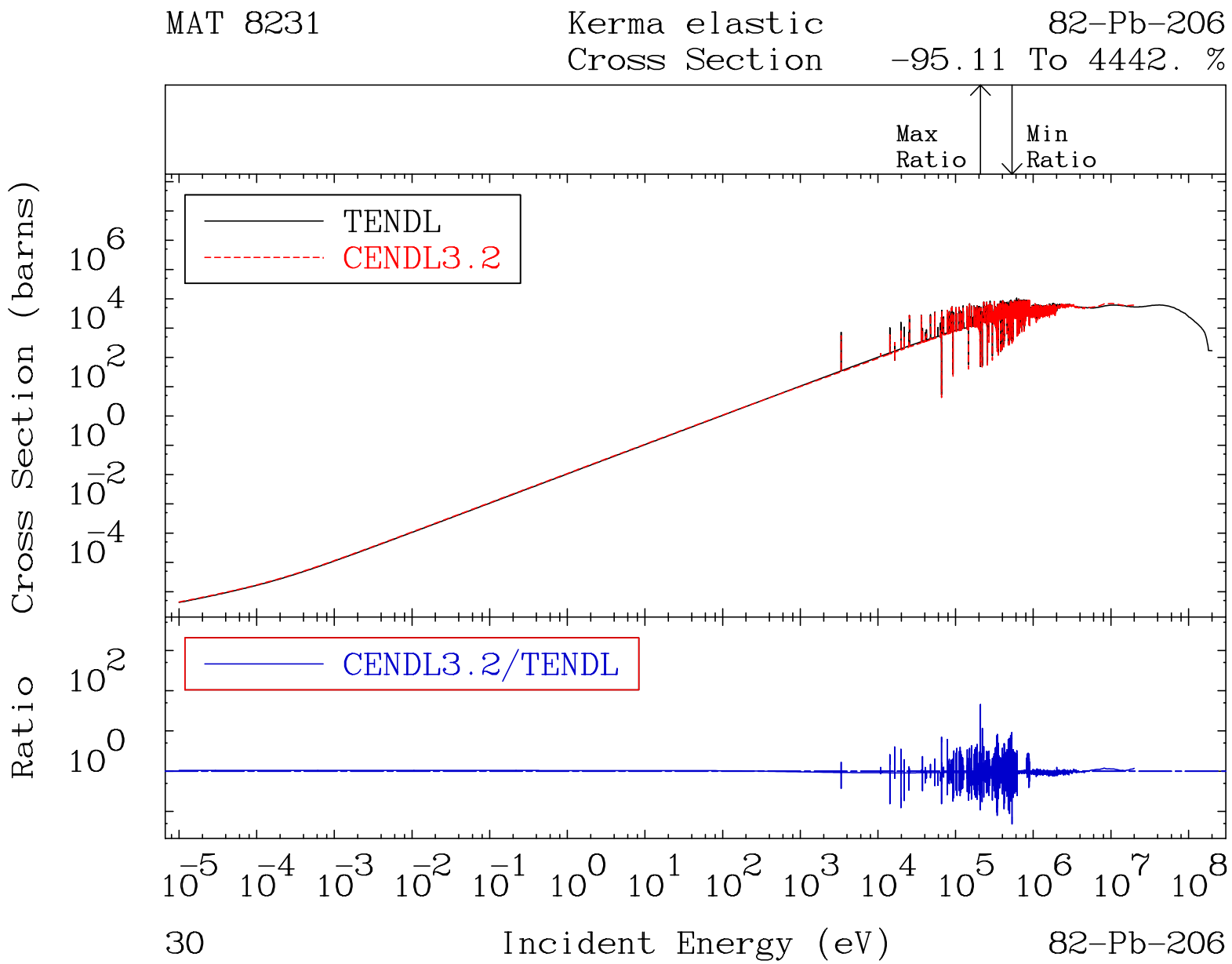

MAT 8231
(n,α)
Cross Section
82-Pb-206
-100.0 To 805.4 %
Min
Ratio
TENDL
CENDL3.2 Threshold 10.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
12
8
4
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
25
Incident Energy (eV)
82-Pb-206

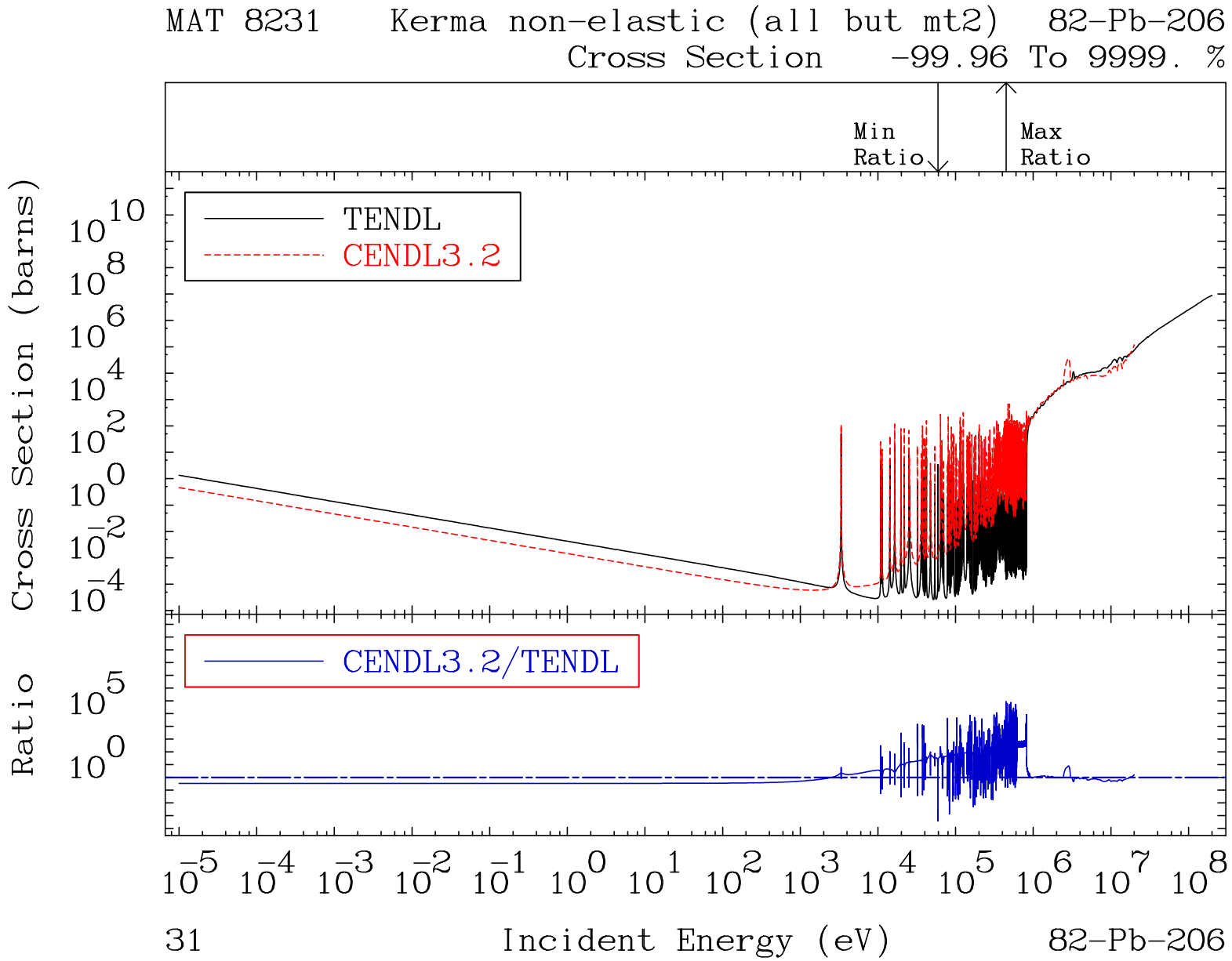

MAT 8231
Hydrogen Production
82-Pb-206
Cross Section
-100.0 To 27.68 %
Min Ratio
Max Ratio
TENDL Threshold 1.0804 MeV
CENDL3.2 Threshold 8.0000 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
CENDL3.2/TENDL
Ratio
1.0
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
26
Incident Energy (eV)
82-Pb-206

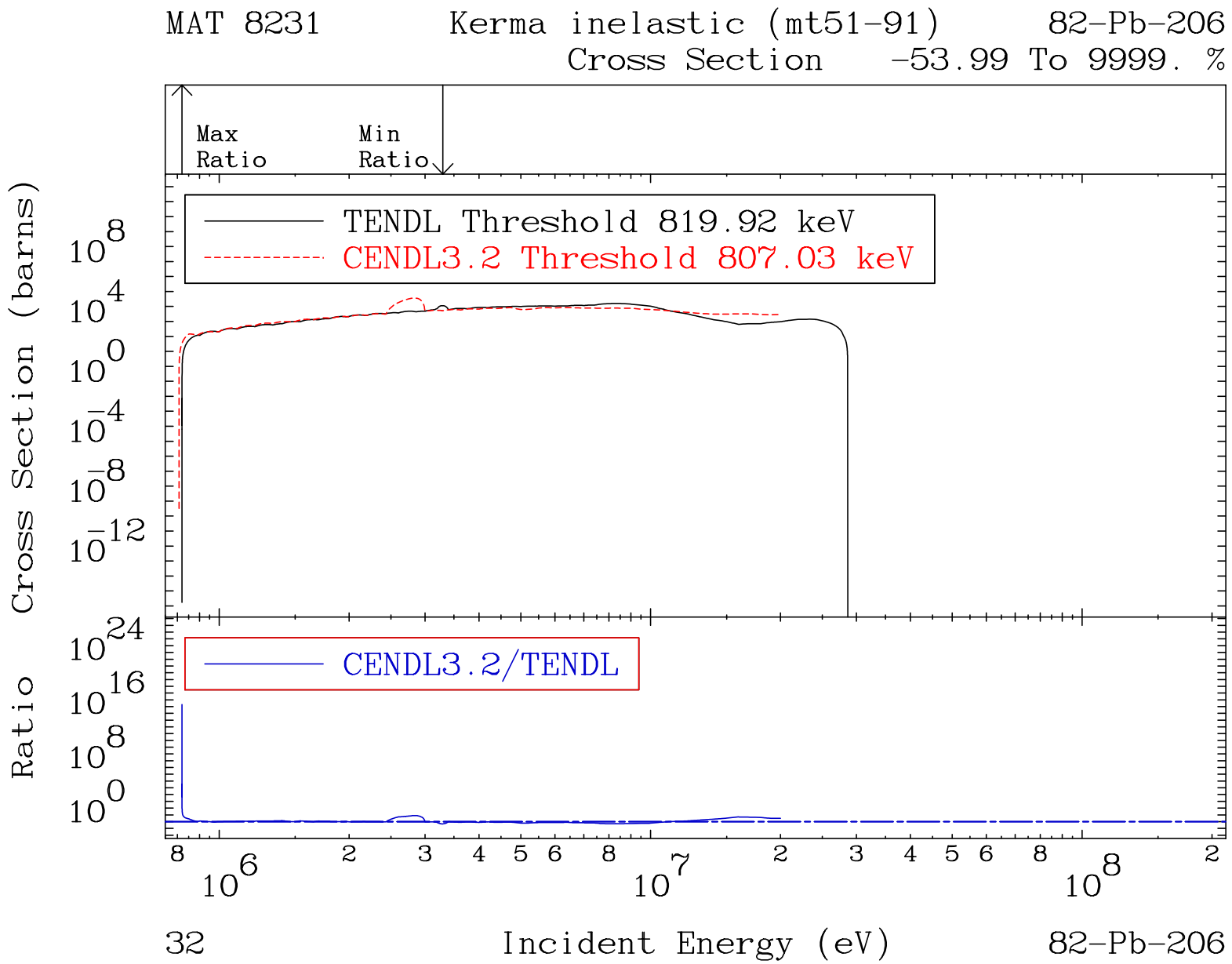

MAT 8231
Tritium Production
82-Pb-206
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.3489 MeV
CENDL3.2 Threshold 12.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
80
40
0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
27
Incident Energy (eV)
82-Pb-206

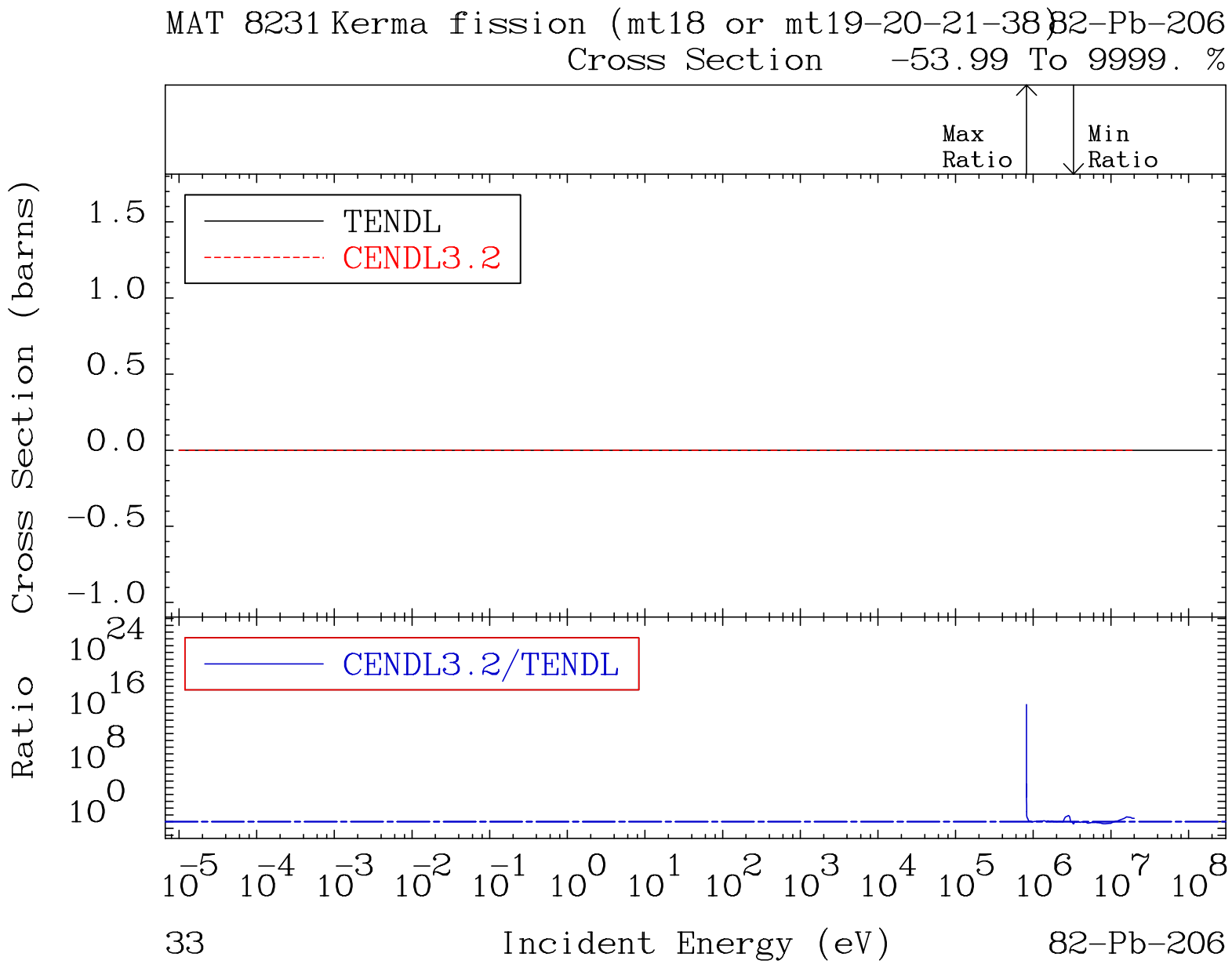

MAT 8231
He-4 Production
Cross Section
82-Pb-206
-100.0 To 513.1 %
Min
Ratio
TENDL
CENDL3.2 Threshold 10.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
8
4
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
28
Incident Energy (eV)
82-Pb-206

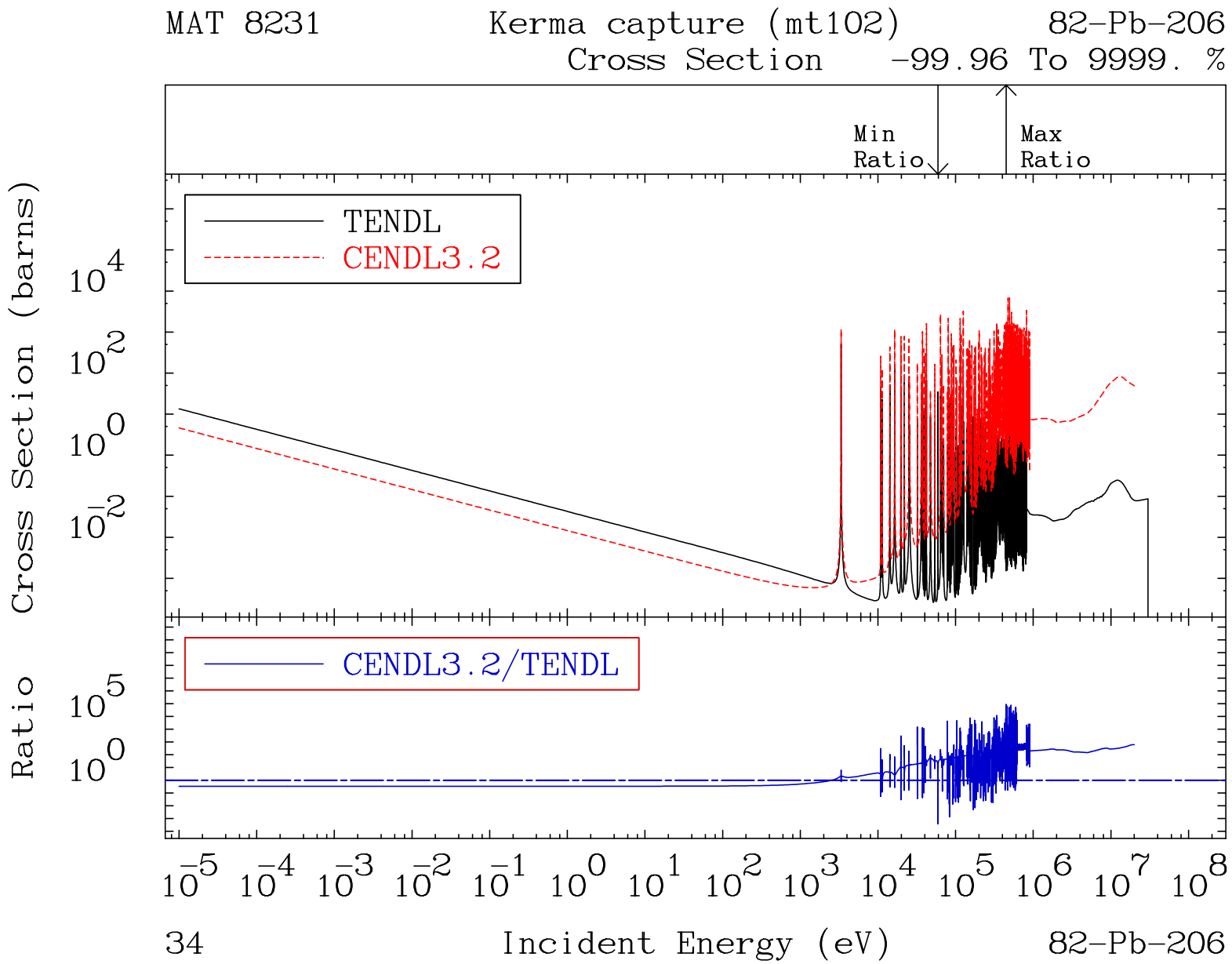

MAT 8231
Kerma total (eV-barns)
82-Pb-206
Cross Section -94.90 To 4442. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
Cross Section (barns)
Ratio
CENDL3.2/TENDL
Incident Energy (eV)
29
82-Pb-206

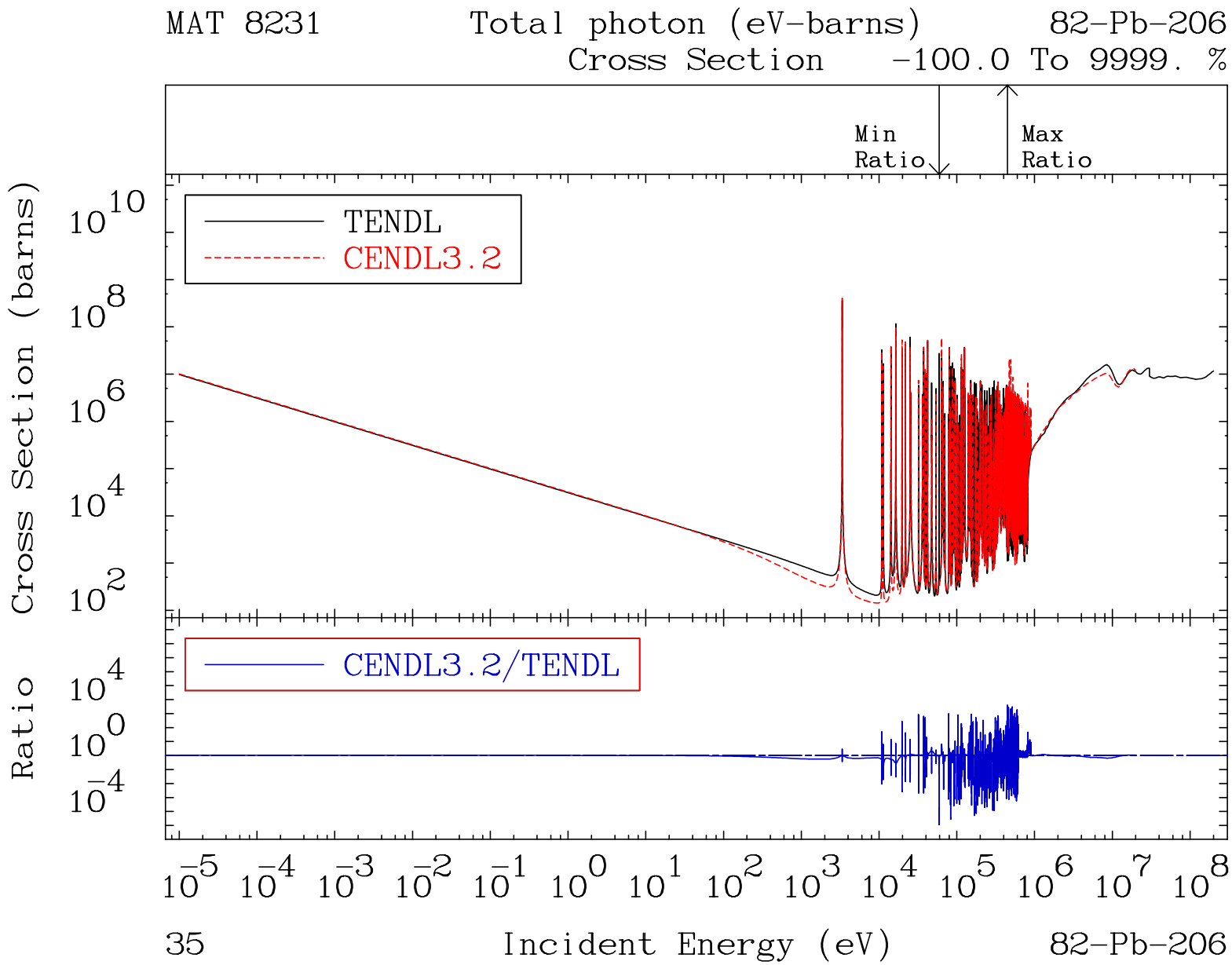

MAT 8231
Kerma elastic
Cross Section
82-Pb-206
-95.11 To 4442. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
30
82-Pb-206

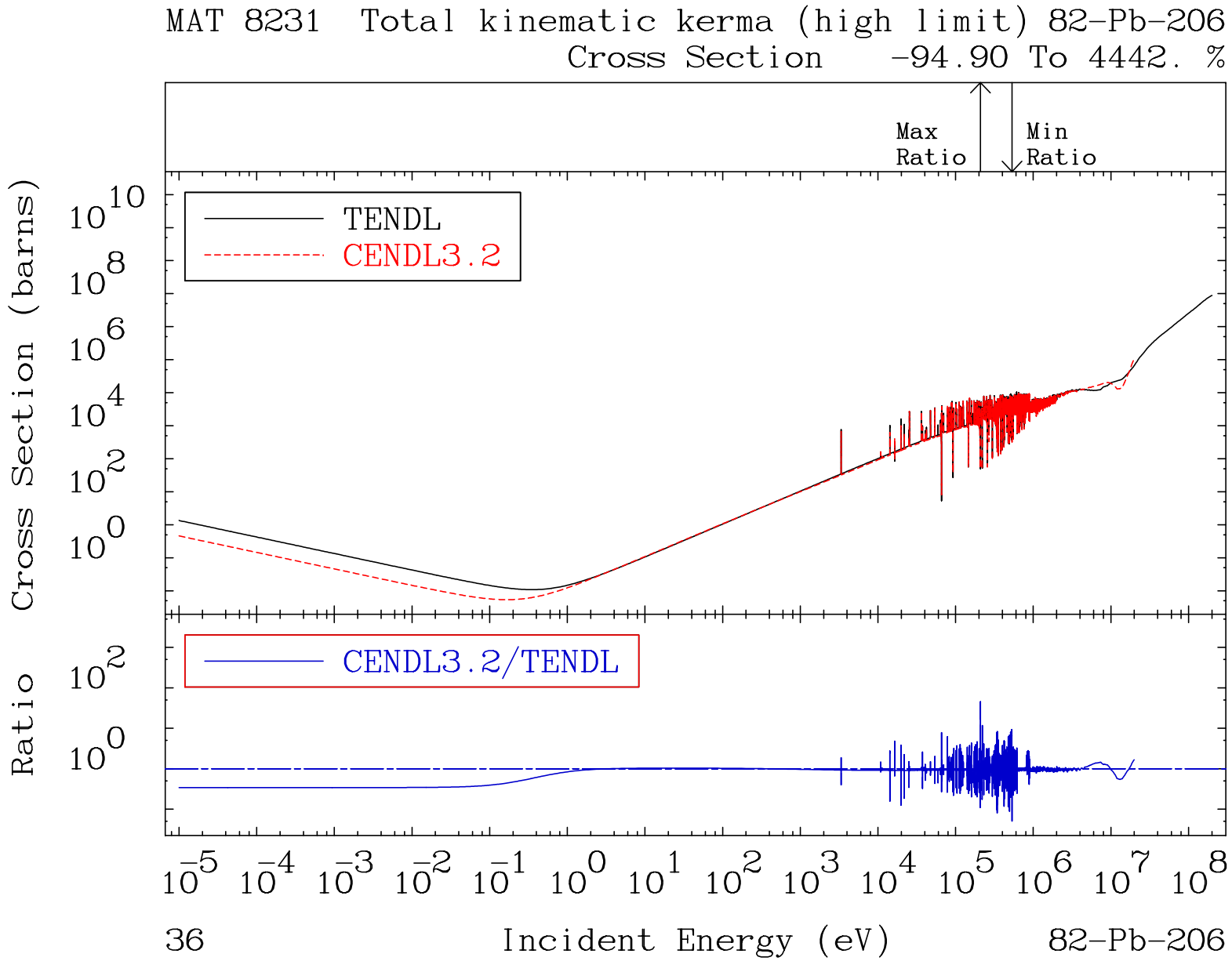

MAT 8231 Kerma non-elastic (all but mt2) 82-Pb-206
Cross Section -99.96 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
31
82-Pb-206

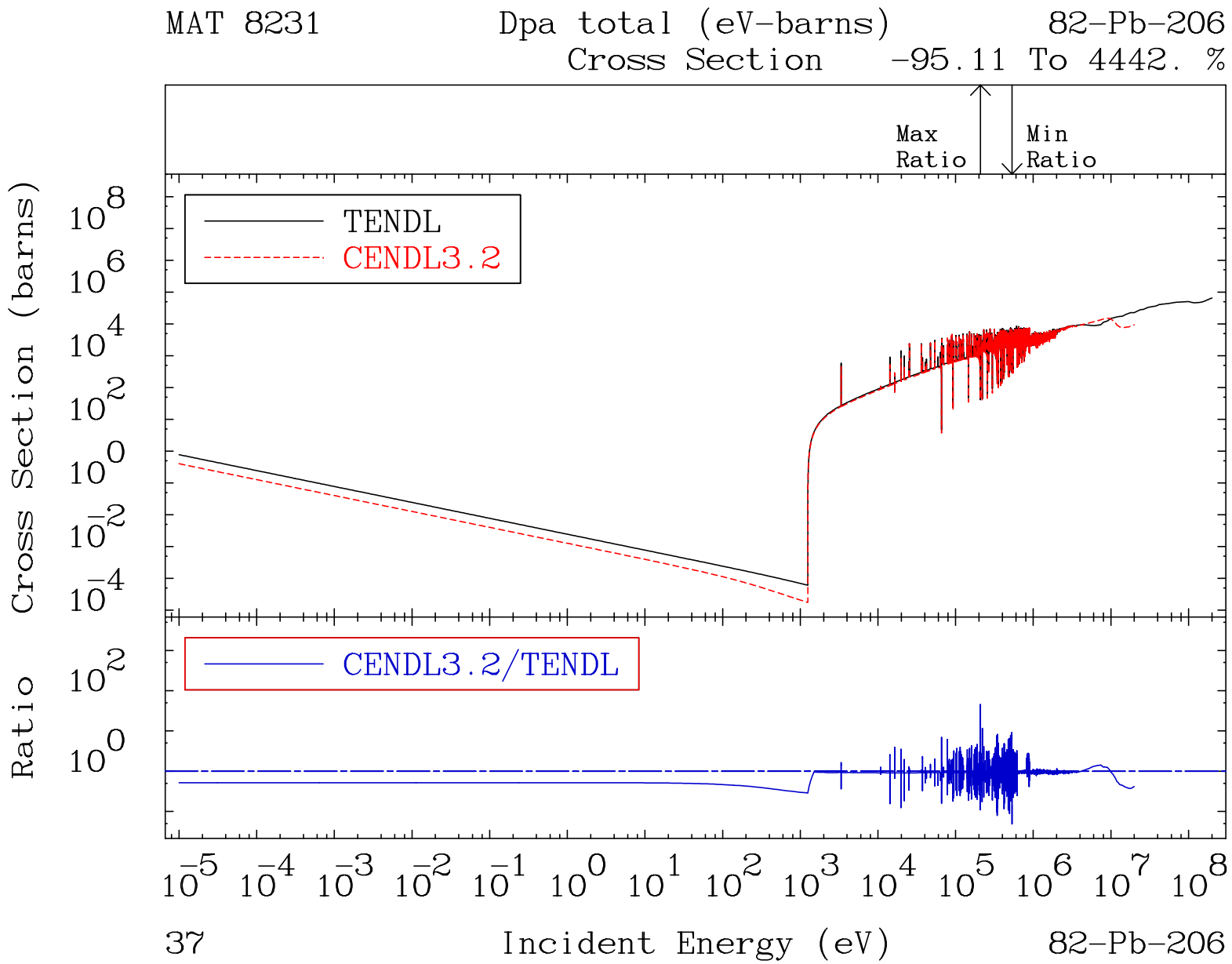

MAT 8231
Kerma inelastic (mt51-91)
82-Pb-206
Cross Section -53.99 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 819.92 keV
CENDL3.2 Threshold 807.03 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
32
82-Pb-206

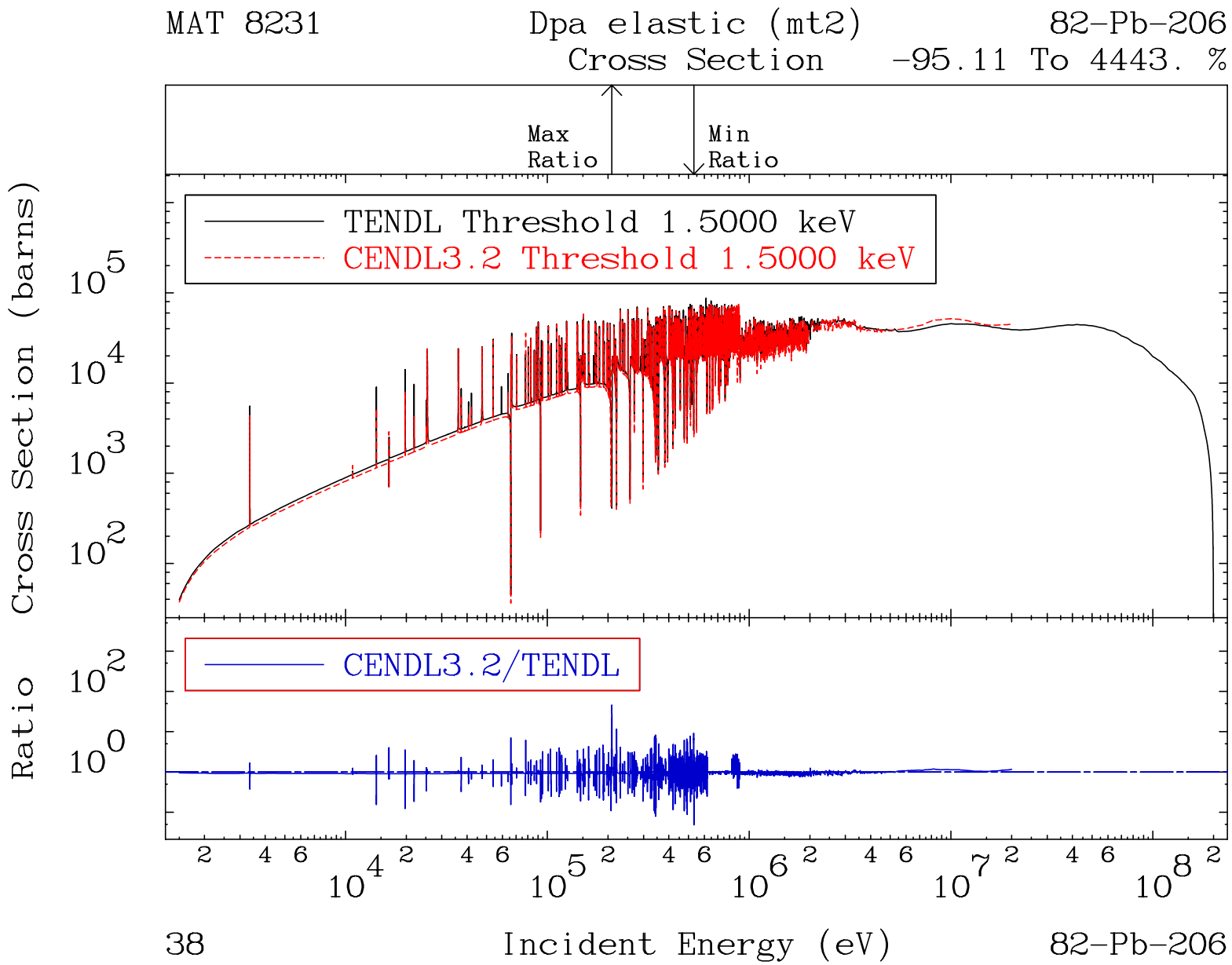

MAT 8231 Kerma fission (mt18 or mt19-20-21-38) 82-Pb-206
Cross Section -53.99 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{24}
10^{16}
10^{8}
10^{0}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
33
Incident Energy (eV)
82-Pb-206

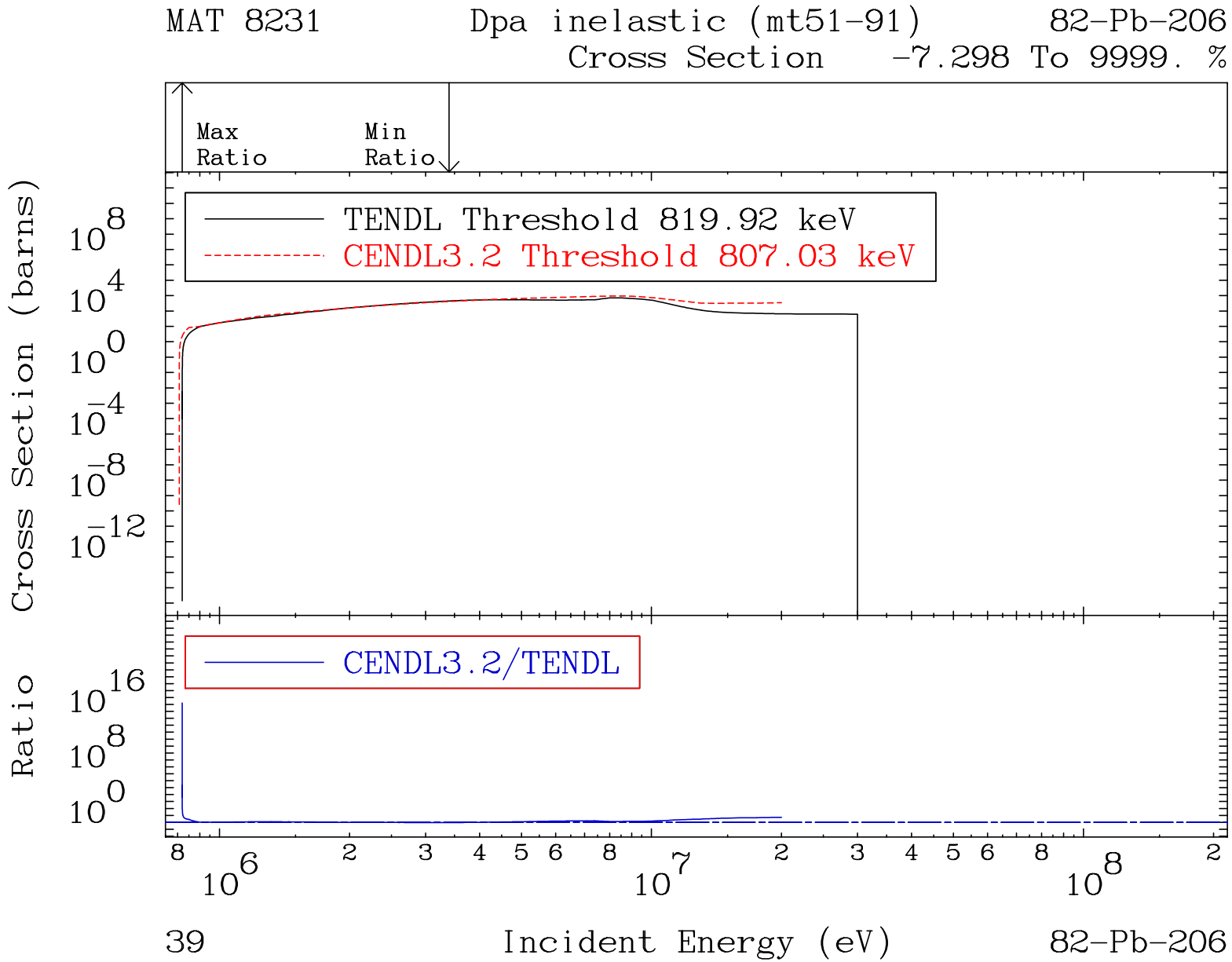

MAT 8231
Kerma capture (mt102)
82-Pb-206
Cross Section -99.96 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
34
82-Pb-206

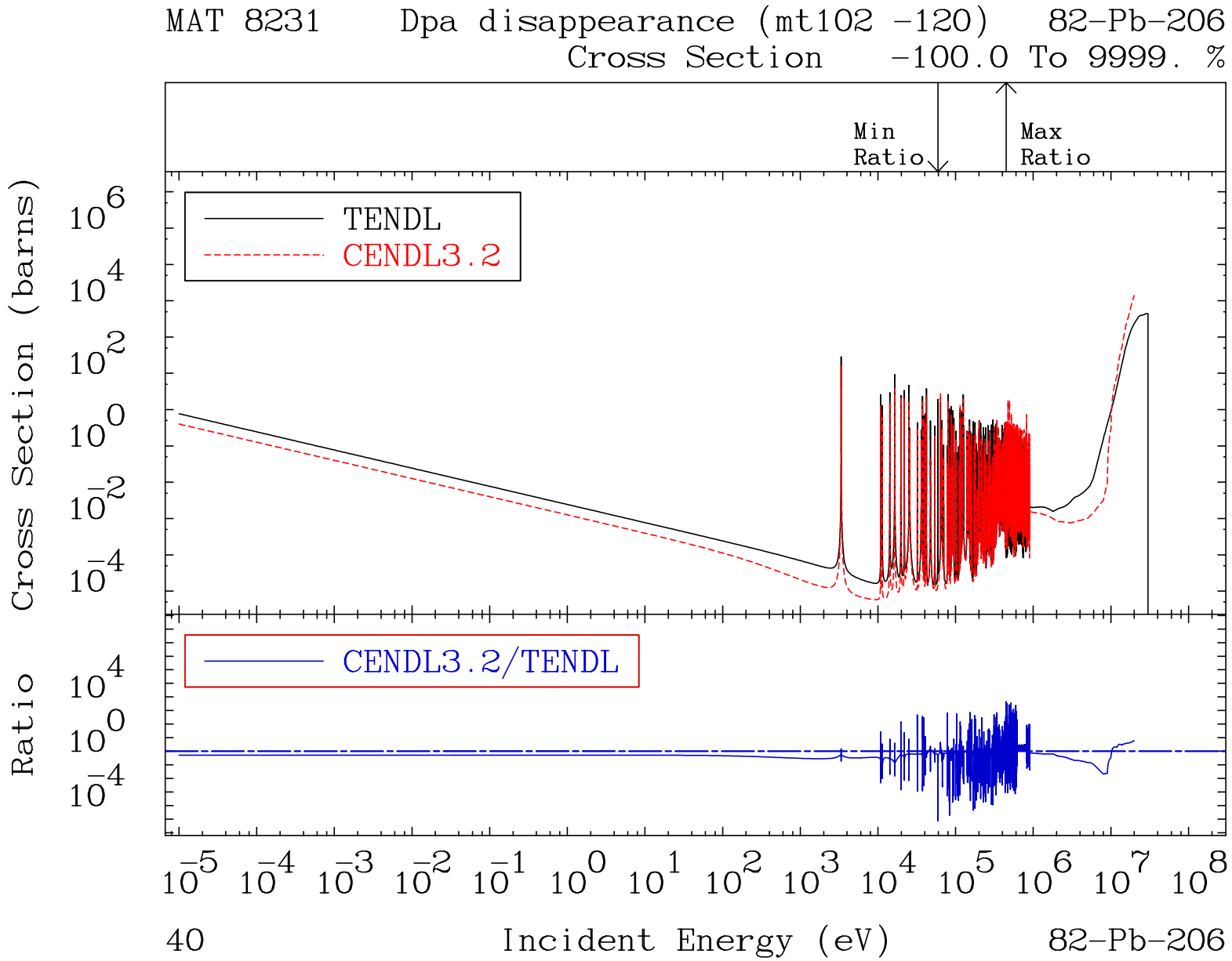

MAT 8231
Total photon (eV-barns)
82-Pb-206
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
35
82-Pb-206

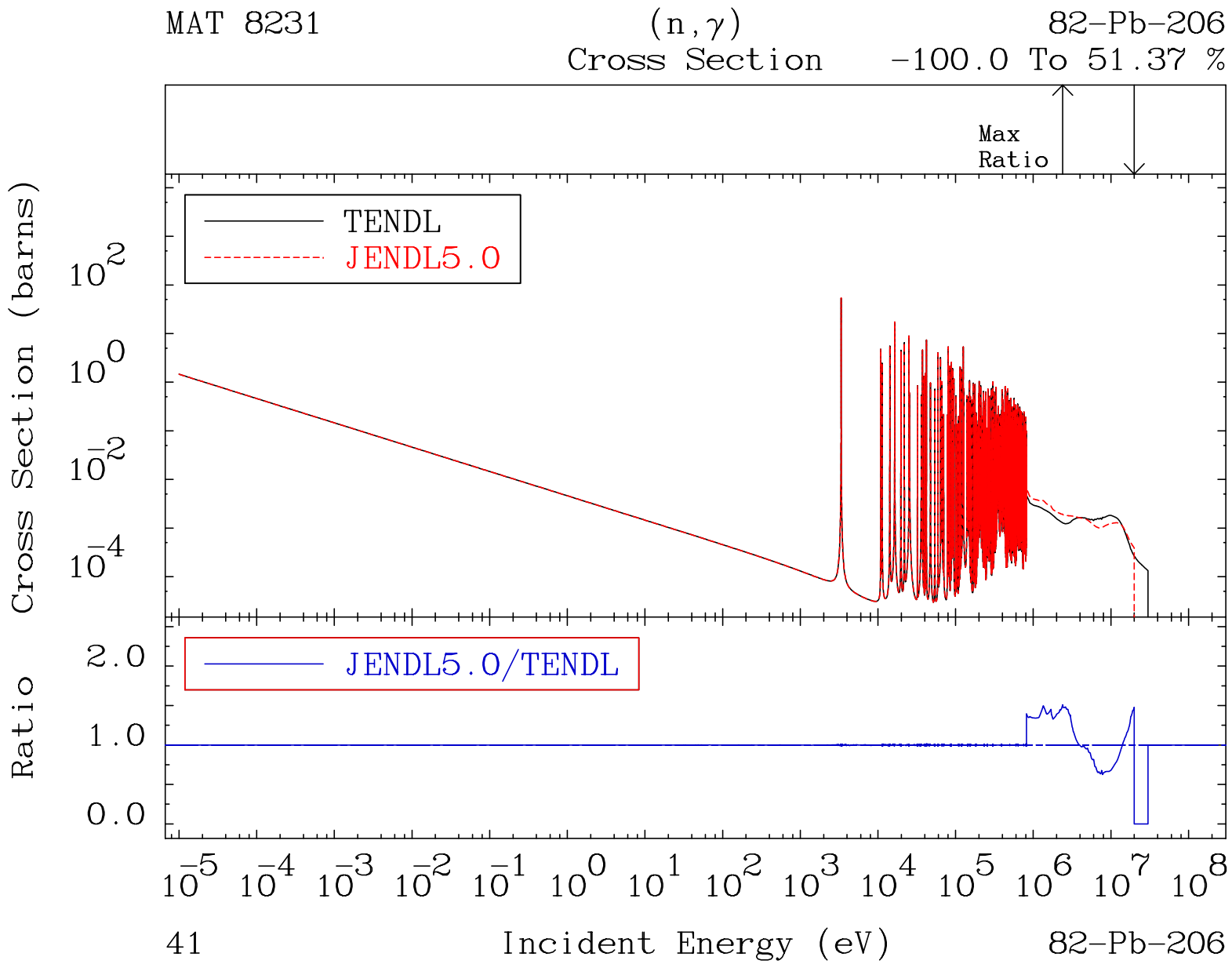

MAT 8231 Total kinematic kerma (high limit) 82-Pb-206
Cross Section -94.90 To 4442. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
36
82-Pb-206

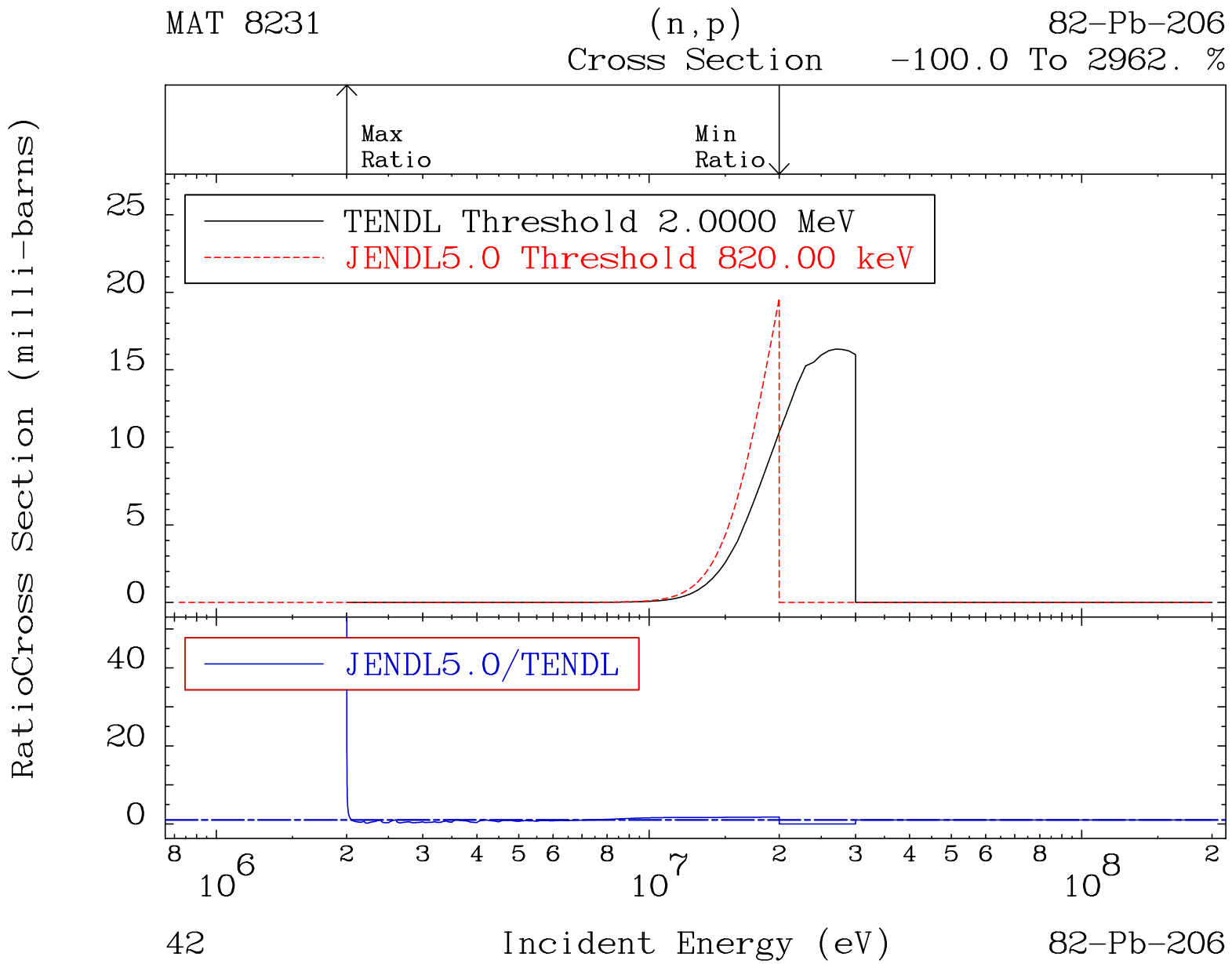

MAT 8231
Dpa total (eV-barns)
82-Pb-206
Cross Section -95.11 To 4442. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
37
82-Pb-206

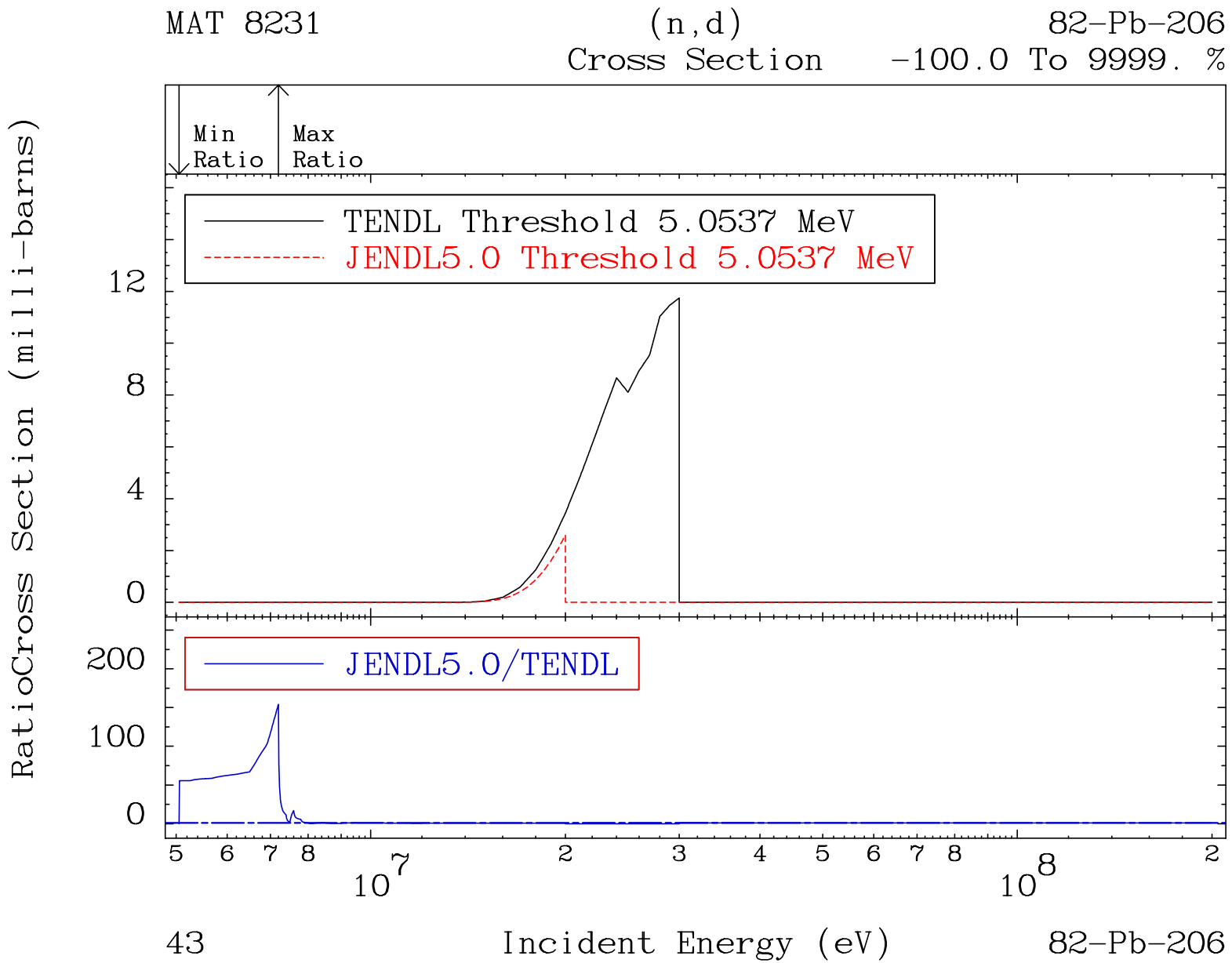

MAT 8231
Dpa elastic (mt2)
Cross Section
82-Pb-206
-95.11 To 4443. %
Max Ratio
Min Ratio
TENDL Threshold 1.5000 keV
CENDL3.2 Threshold 1.5000 keV
Cross Section (barns)
10^5
10^4
10^3
10^2
CENDL3.2/TENDL
Ratio
10^2
10^0
2 4 6 10^4 2 4 6 10^5 2 4 6 10^6 2 4 6 10^7 2 4 6 10^8 2
38
Incident Energy (eV)
82-Pb-206

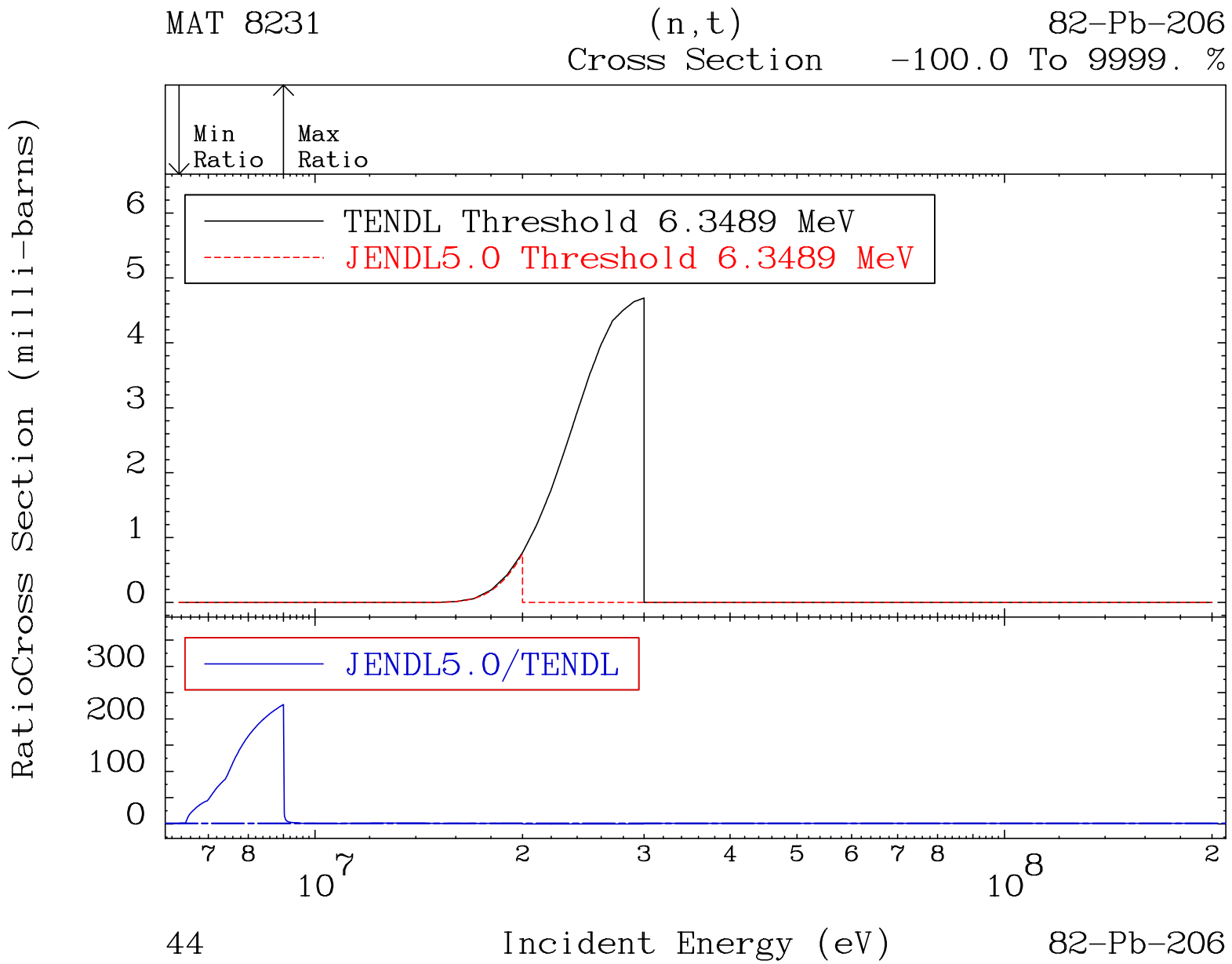

MAT 8231
Dpa inelastic (mt51-91)
82-Pb-206
Cross Section
-7.298 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 819.92 keV
CENDL3.2 Threshold 807.03 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
39
82-Pb-206

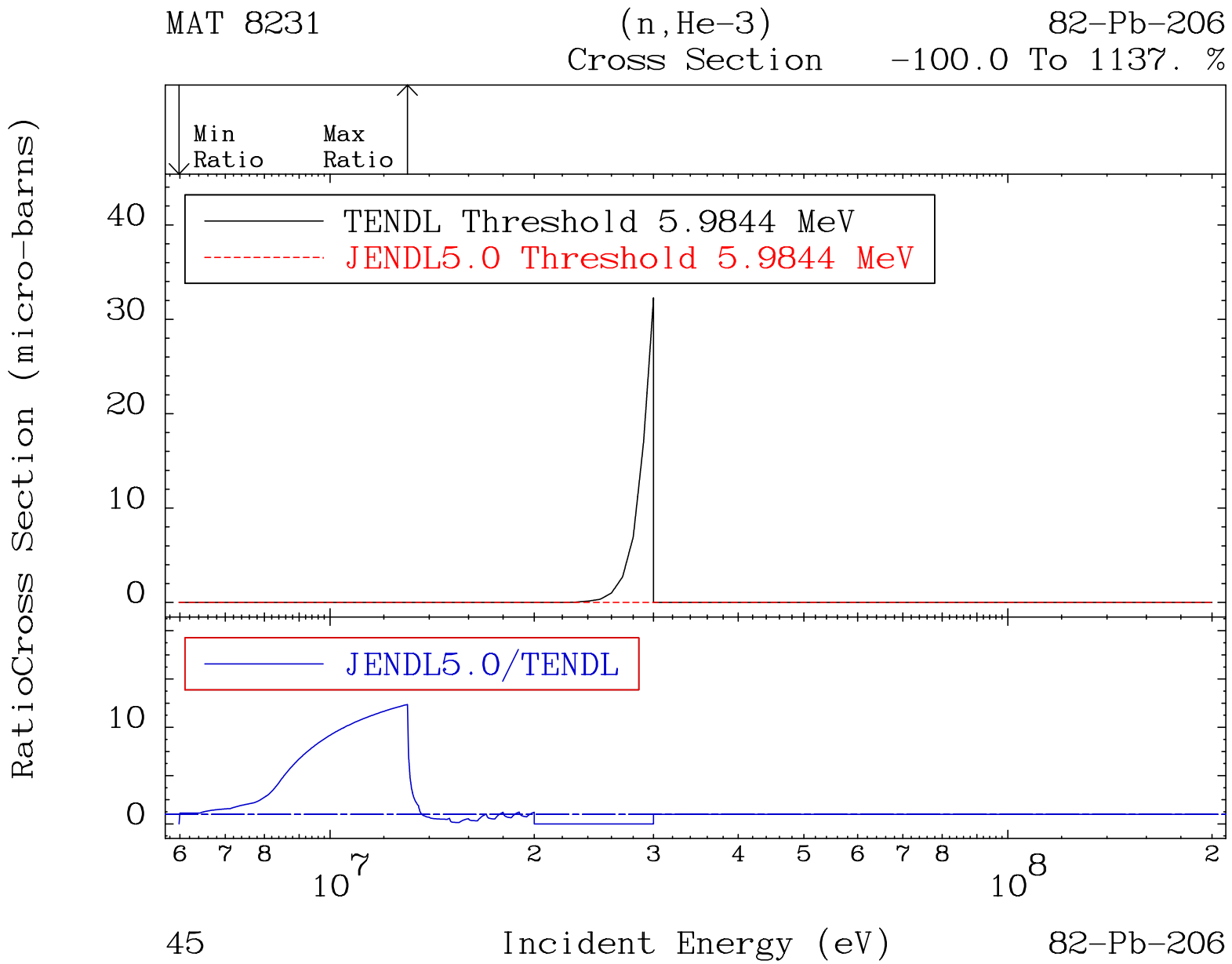

MAT 8231 Dpa disappearance (mt102 -120) 82-Pb-206
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
40
82-Pb-206

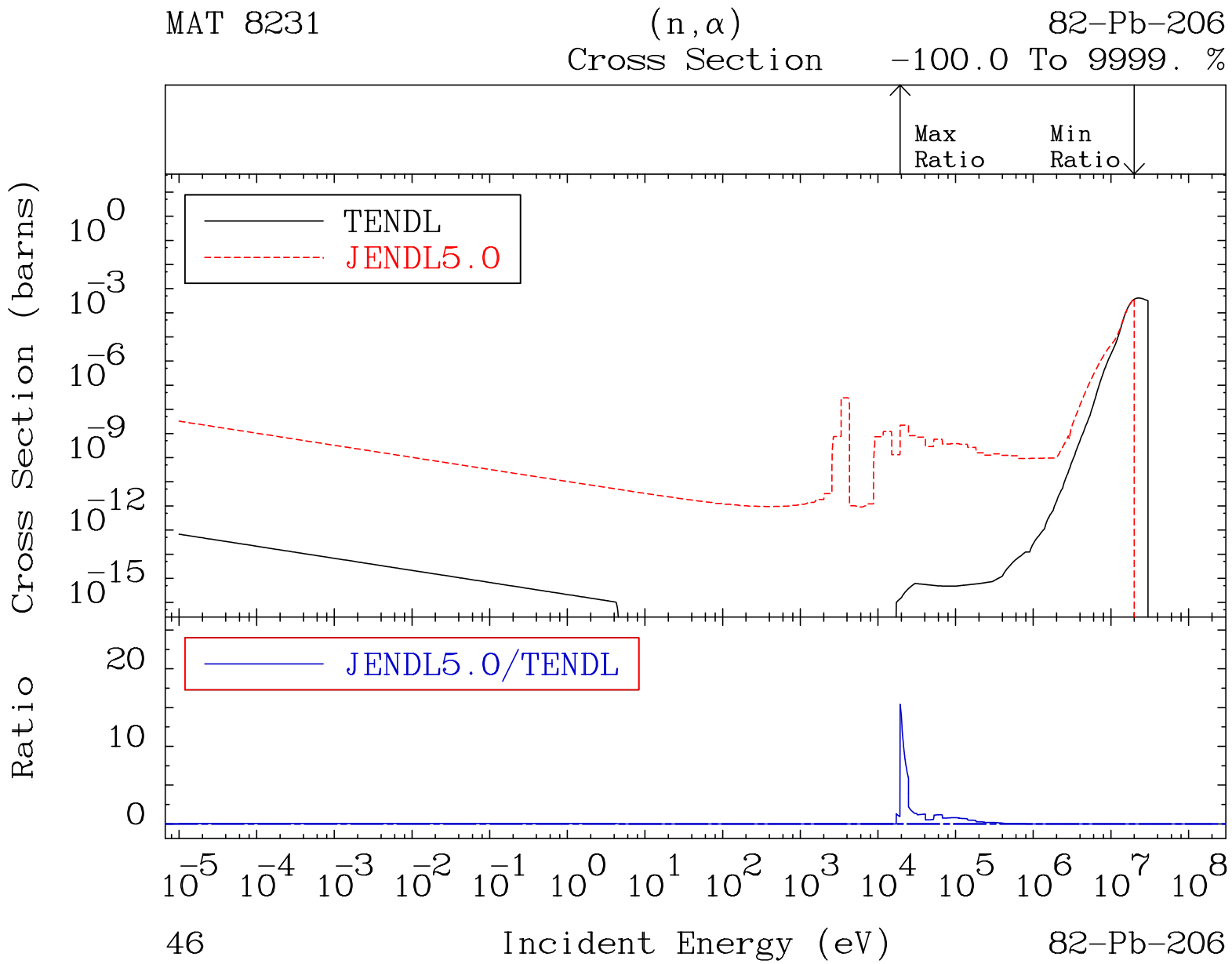

MAT 8231
(n,γ)
Cross Section
82-Pb-206
-100.0 To 51.37 %
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^2
10^0
10^-2
10^-4
JENDL5.0/TENDL
Ratio
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
41
Incident Energy (eV)
82-Pb-206

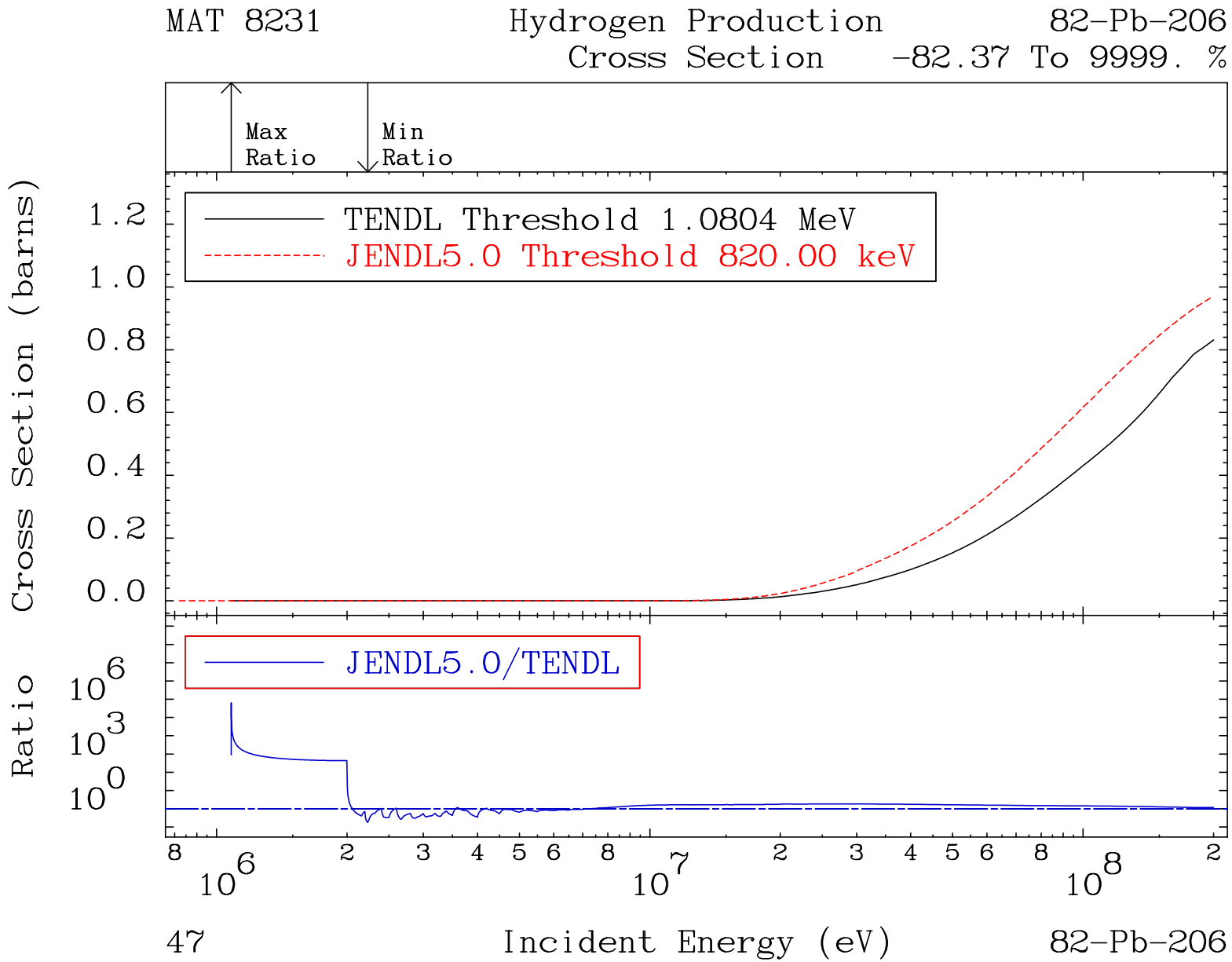

MAT 8231
(n,p)
Cross Section
82-Pb-206
-100.0 To 2962. %
Max Ratio
Min Ratio
TENDL Threshold 2.0000 MeV
JENDL5.0 Threshold 820.00 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
42
82-Pb-206

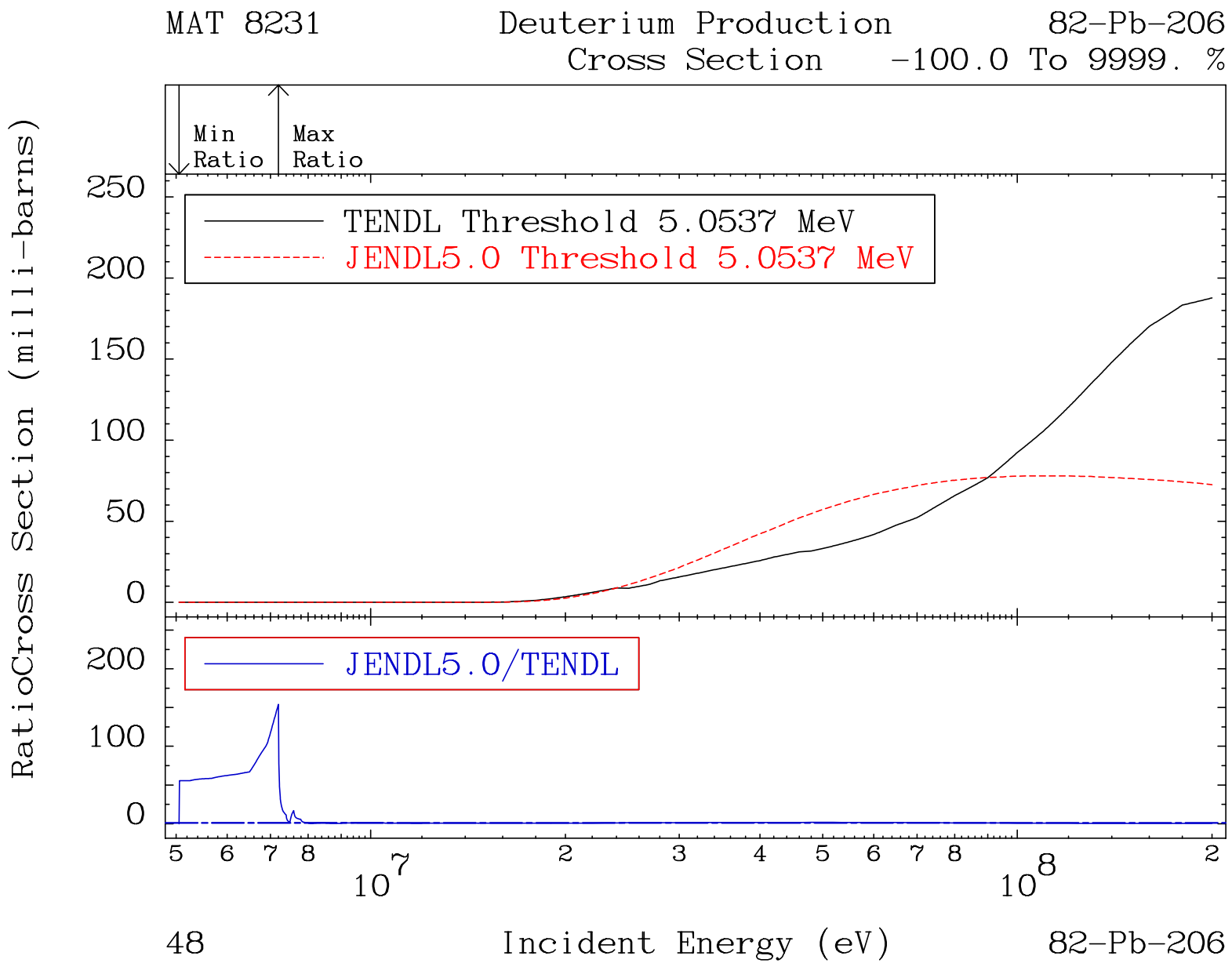

MAT 8231
(n,d)
82-Pb-206
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.0537 MeV
JENDL5.0 Threshold 5.0537 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
12
8
4
0
200
100
0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
43
Incident Energy (eV)
82-Pb-206

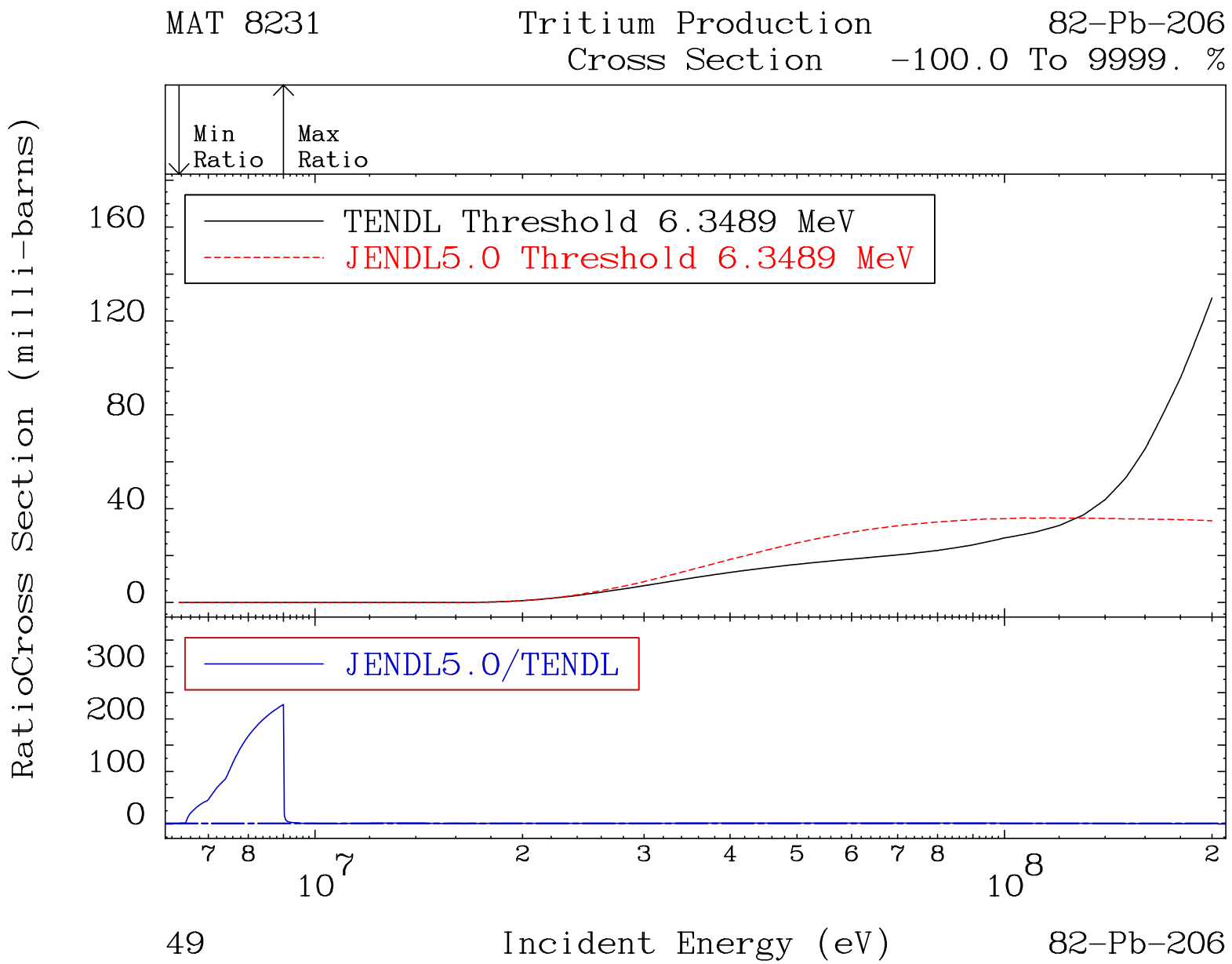

MAT 8231
(n,t)
82-Pb-206
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.3489 MeV
JENDL5.0 Threshold 6.3489 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
44
82-Pb-206

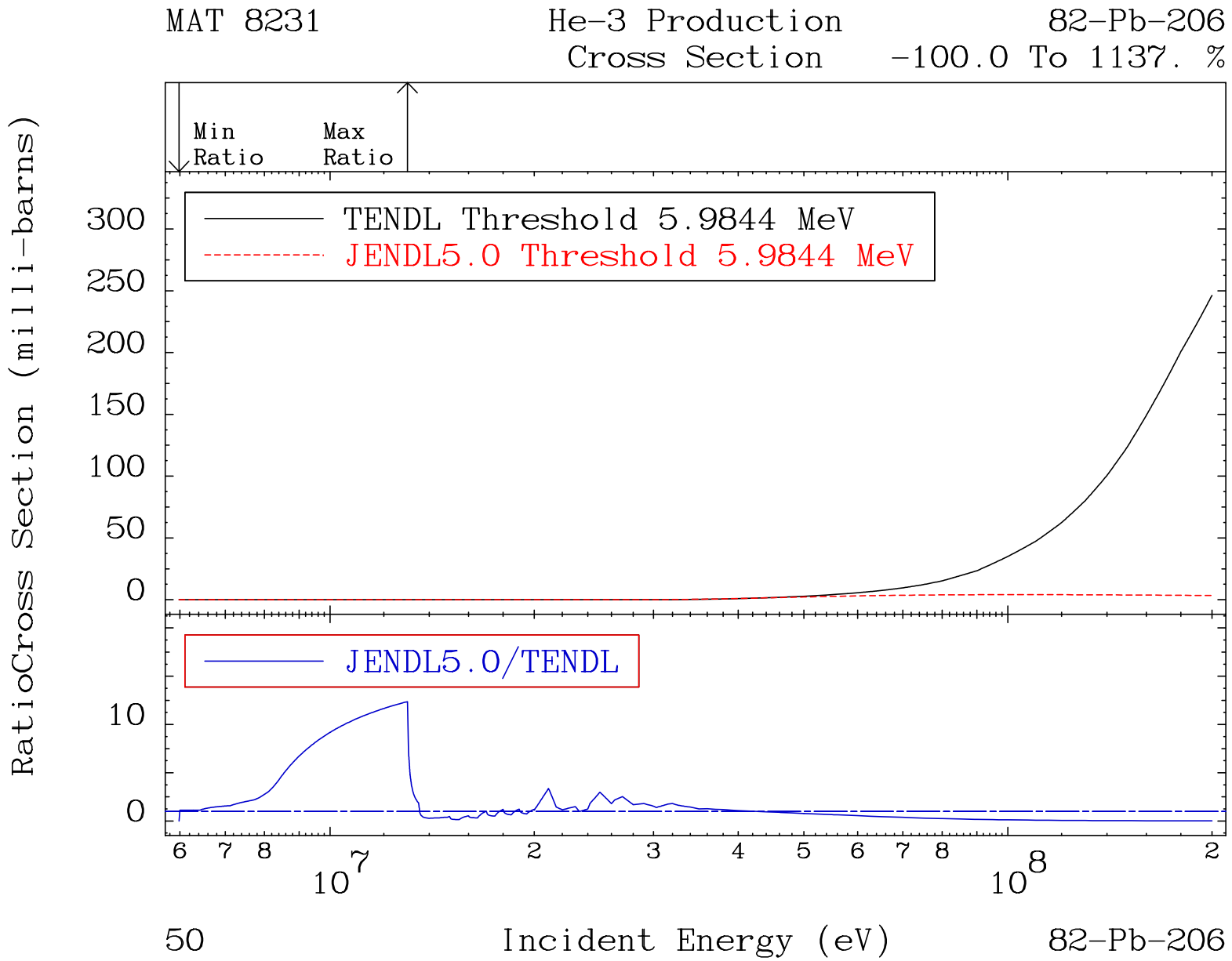

MAT 8231
(n,He-3)
82-Pb-206
Cross Section
-100.0 To 1137. %
Min Ratio
Max Ratio
TENDL Threshold 5.9844 MeV
JENDL5.0 Threshold 5.9844 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
40
30
20
10
0
10
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
45
Incident Energy (eV)
82-Pb-206

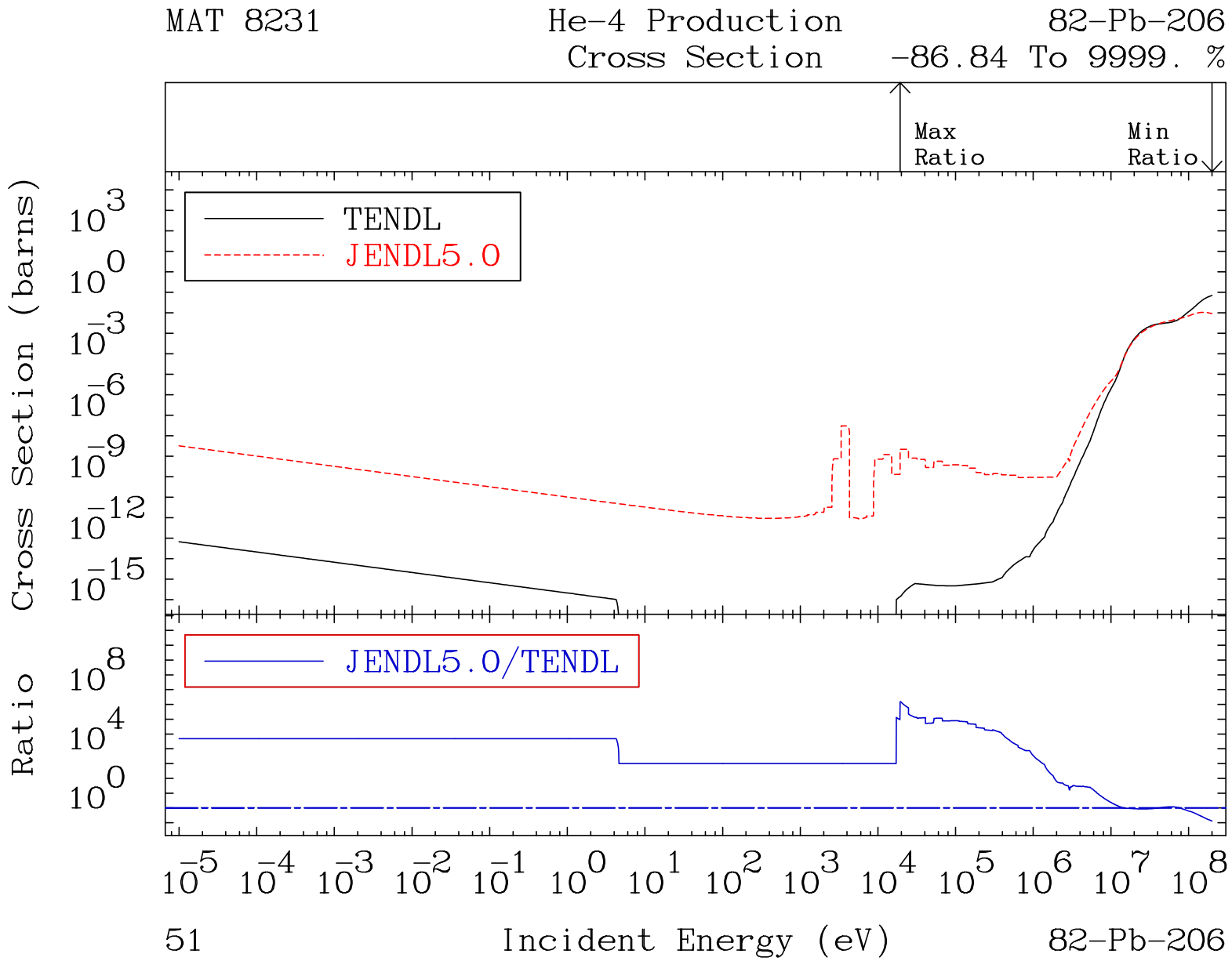

MAT 8231
(n,α)
Cross Section
82-Pb-206
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
82-Pb-206

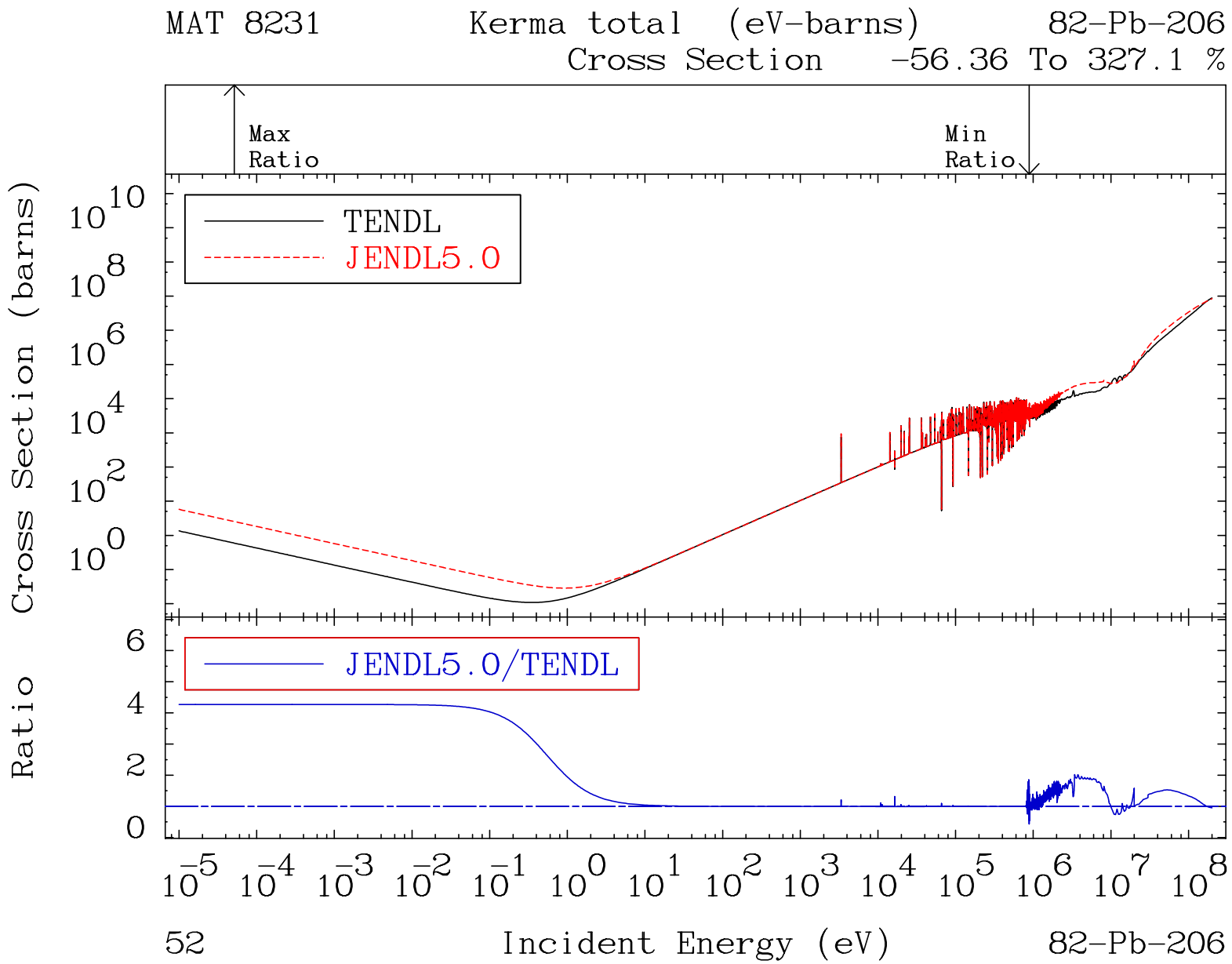

MAT 8231
Hydrogen Production
82-Pb-206
Cross Section
-82.37 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.0804 MeV
JENDL5.0 Threshold 820.00 keV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
10^6
10^3
10^0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
47
Incident Energy (eV)
82-Pb-206

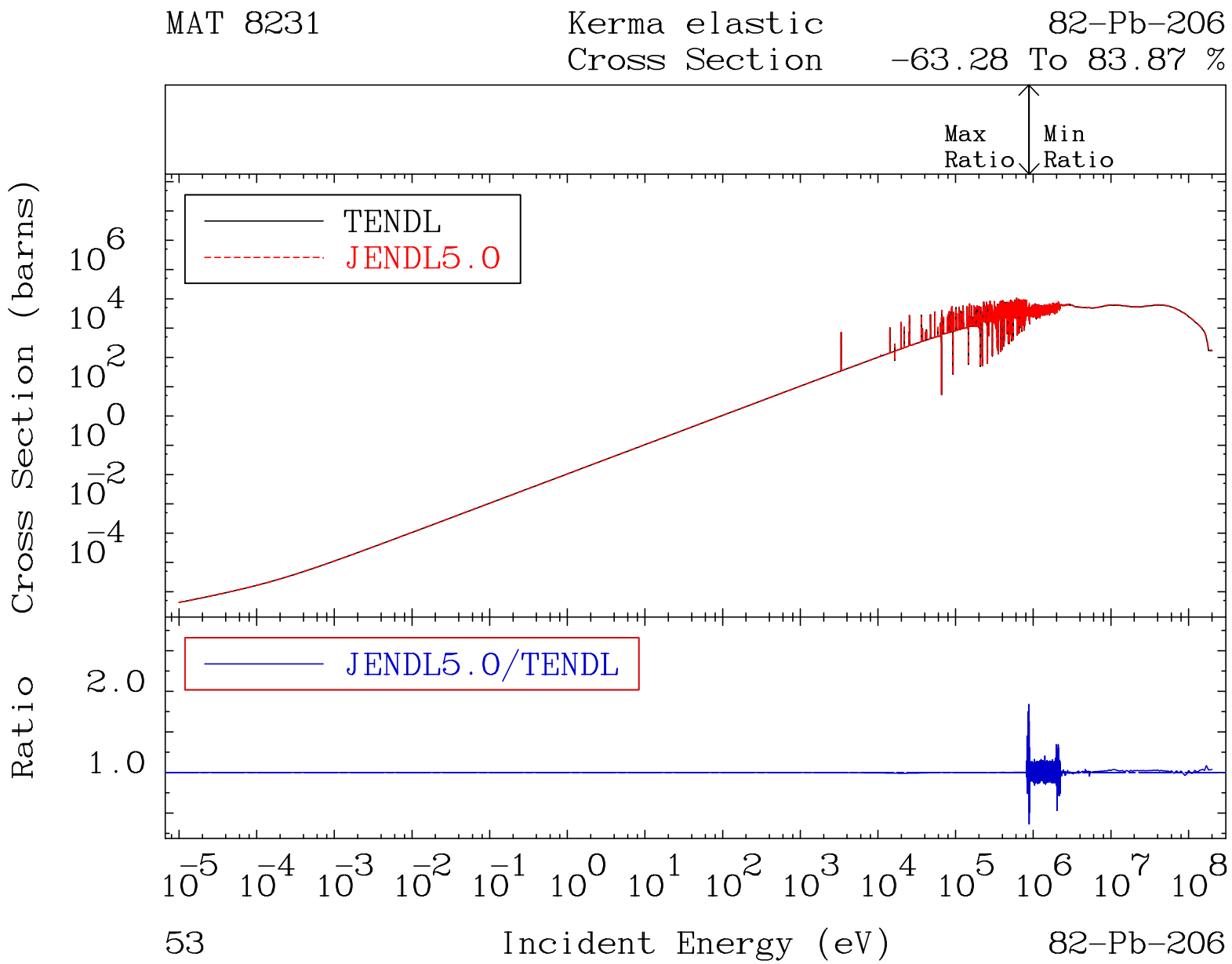

MAT 8231
Deuterium Production
82-Pb-206
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.0537 MeV
JENDL5.0 Threshold 5.0537 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
200
100
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
48
Incident Energy (eV)
82-Pb-206

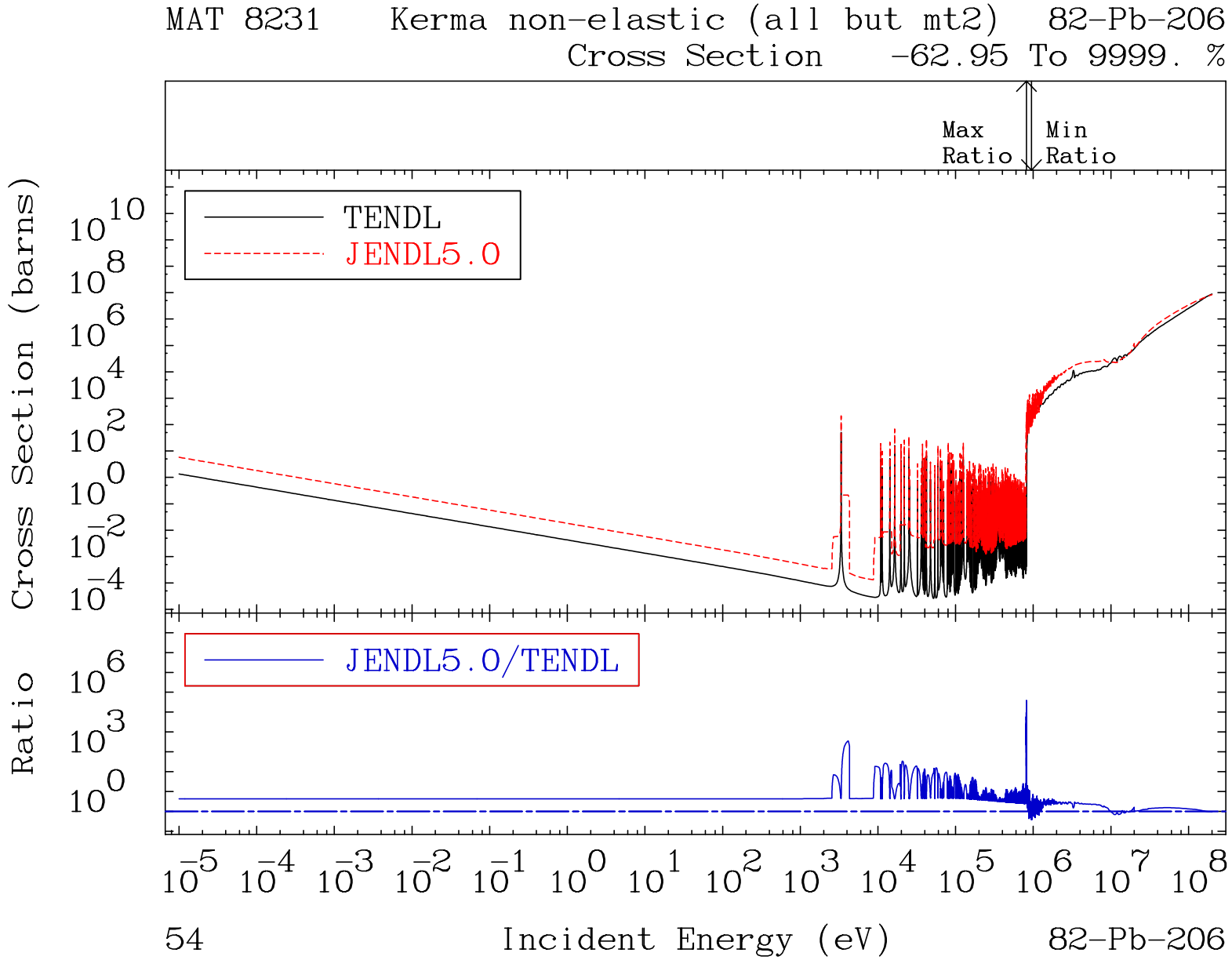

MAT 8231
Tritium Production
82-Pb-206
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.3489 MeV
JENDL5.0 Threshold 6.3489 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
300
200
100
0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
49
Incident Energy (eV)
82-Pb-206

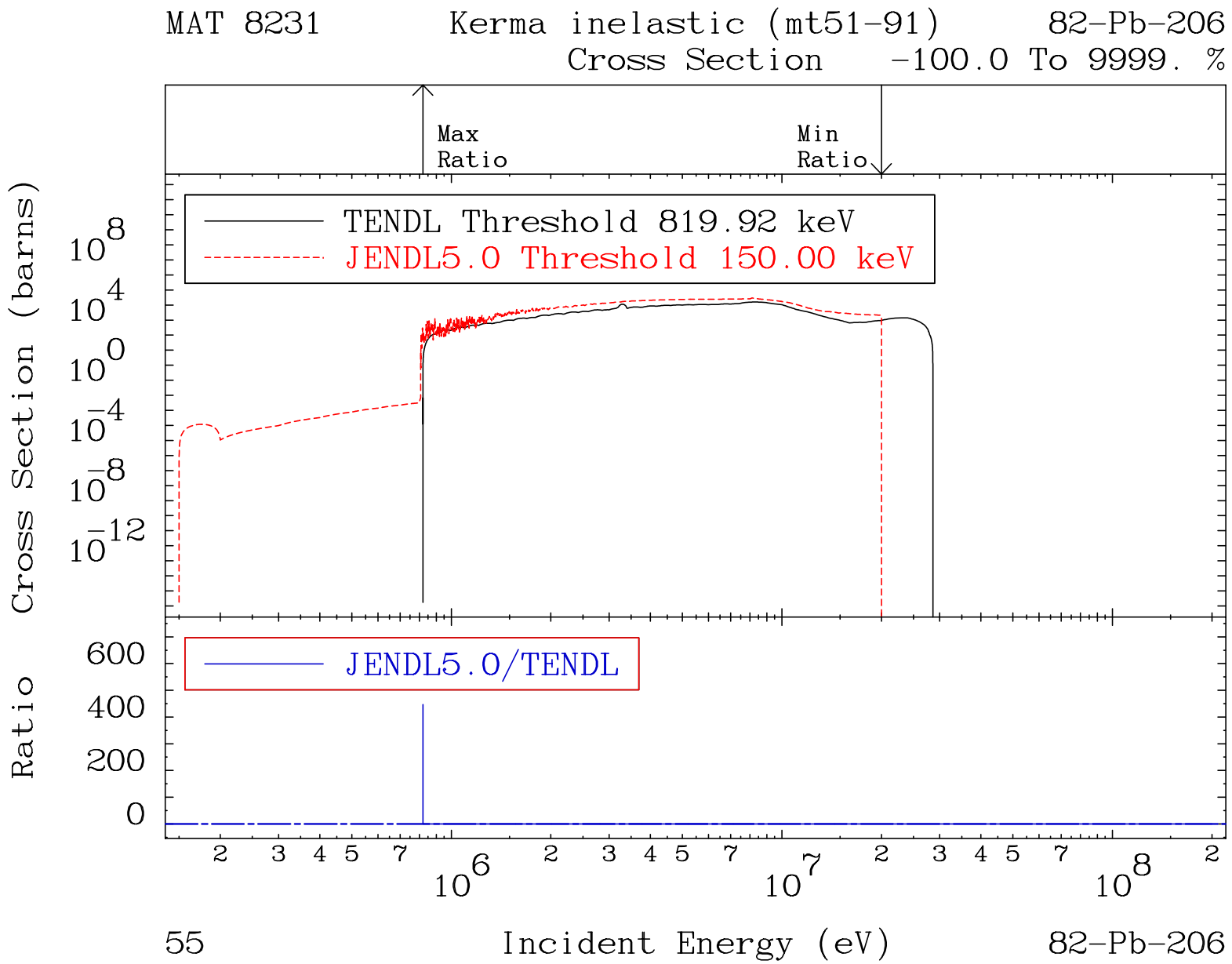

MAT 8231
He-3 Production
Cross Section
82-Pb-206
-100.0 To 1137. %
Min Ratio
Max Ratio
TENDL Threshold 5.9844 MeV
JENDL5.0 Threshold 5.9844 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
10
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
50
Incident Energy (eV)
82-Pb-206

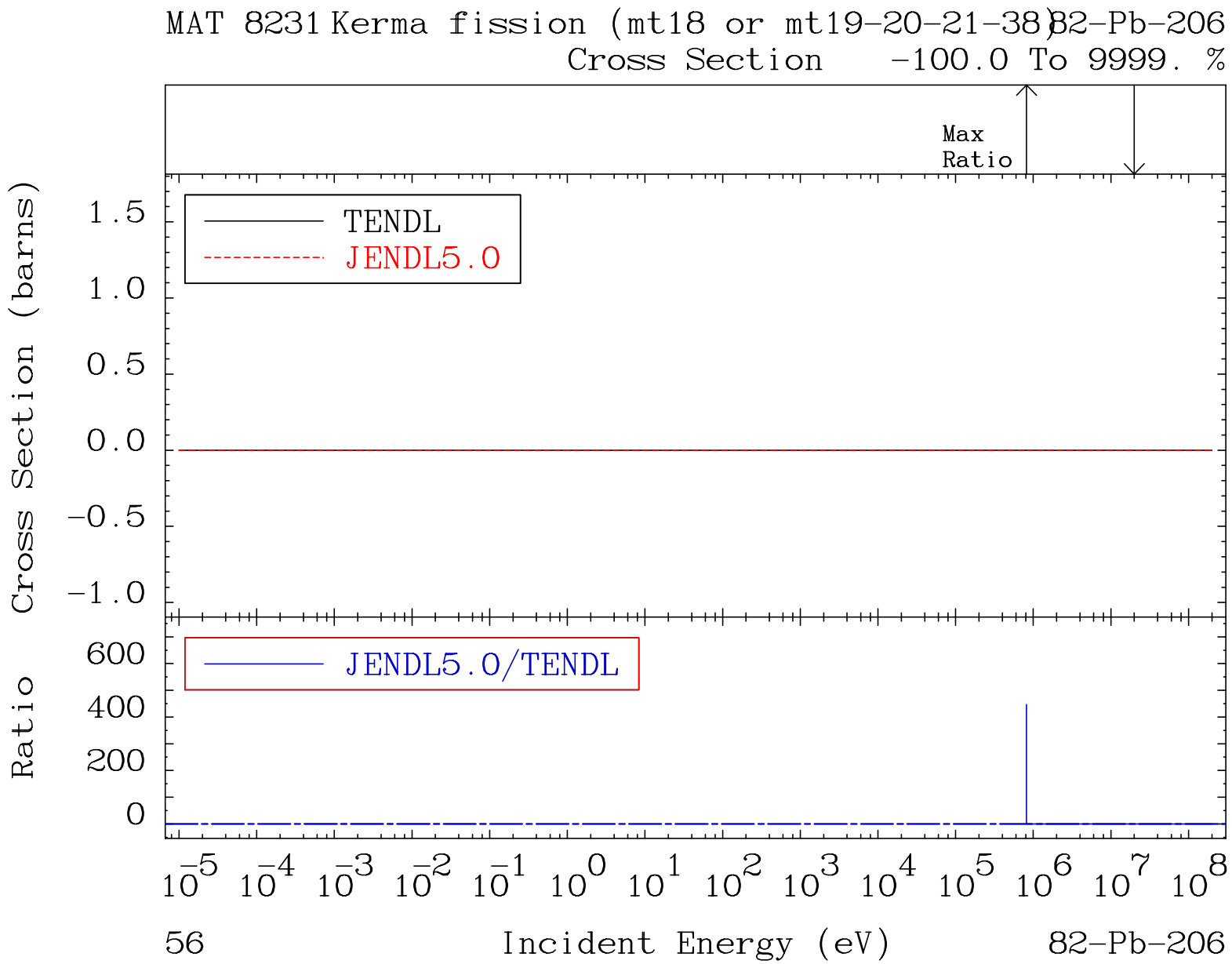

MAT 8231
He-4 Production
Cross Section
82-Pb-206
-86.84 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
51
82-Pb-206

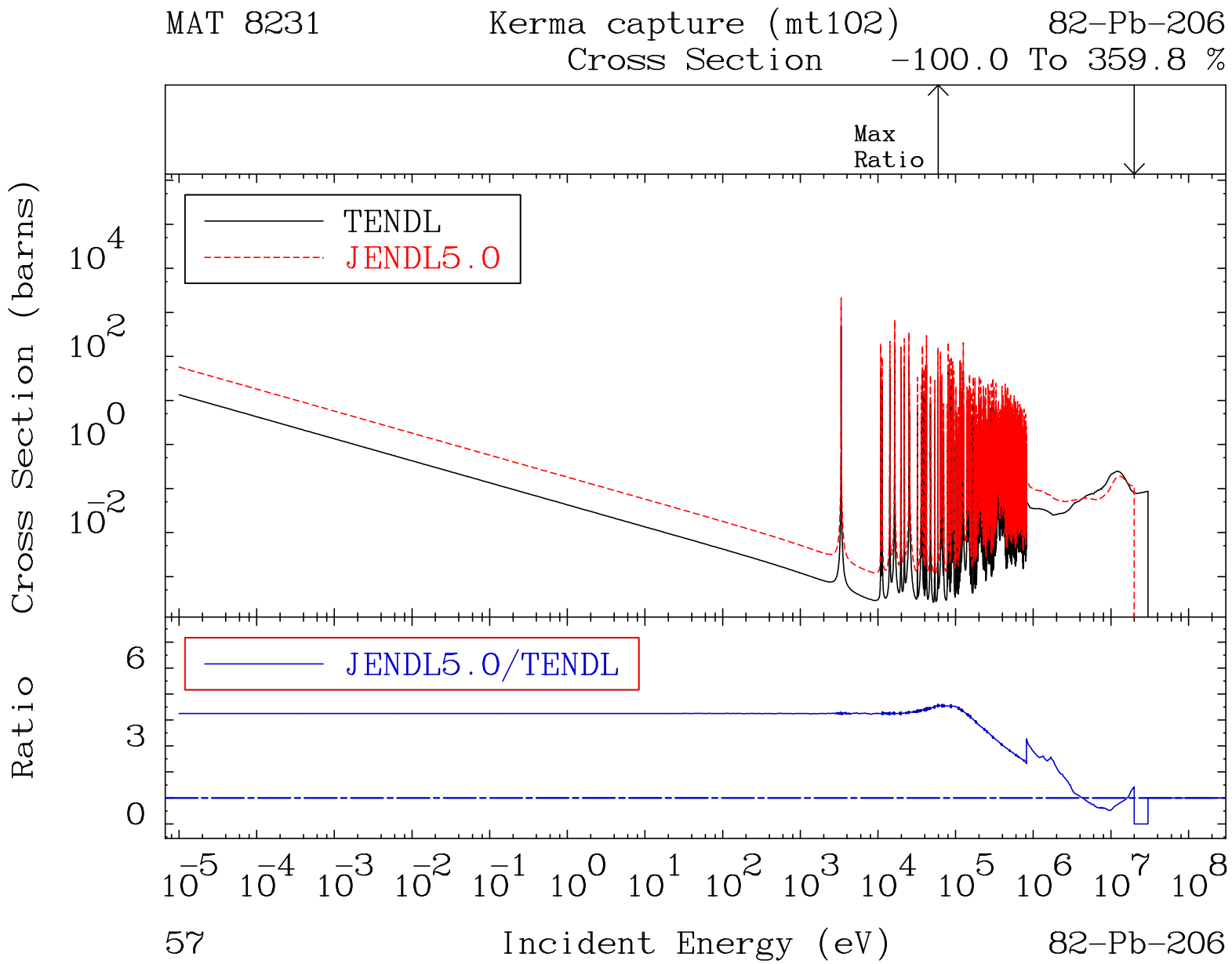

MAT 8231
Kerma total (eV-barns)
82-Pb-206
Cross Section -56.36 To 327.1 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
52
82-Pb-206

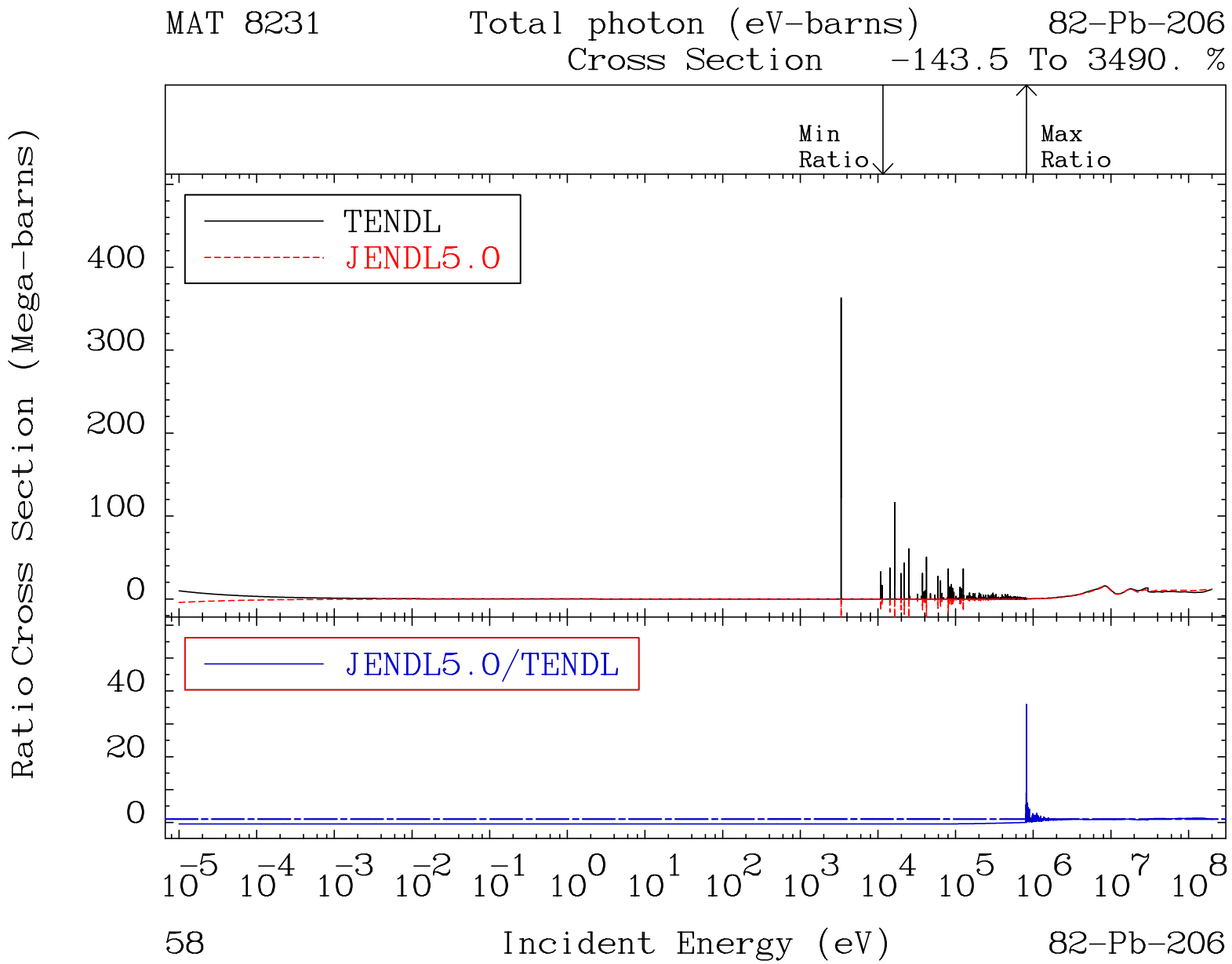

MAT 8231
Kerma elastic
Cross Section
82-Pb-206
-63.28 To 83.87 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^6
10^4
10^2
10^0
10^-2
10^-4
JENDL5.0/TENDL
Ratio
2.0
1.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
53
Incident Energy (eV)
82-Pb-206

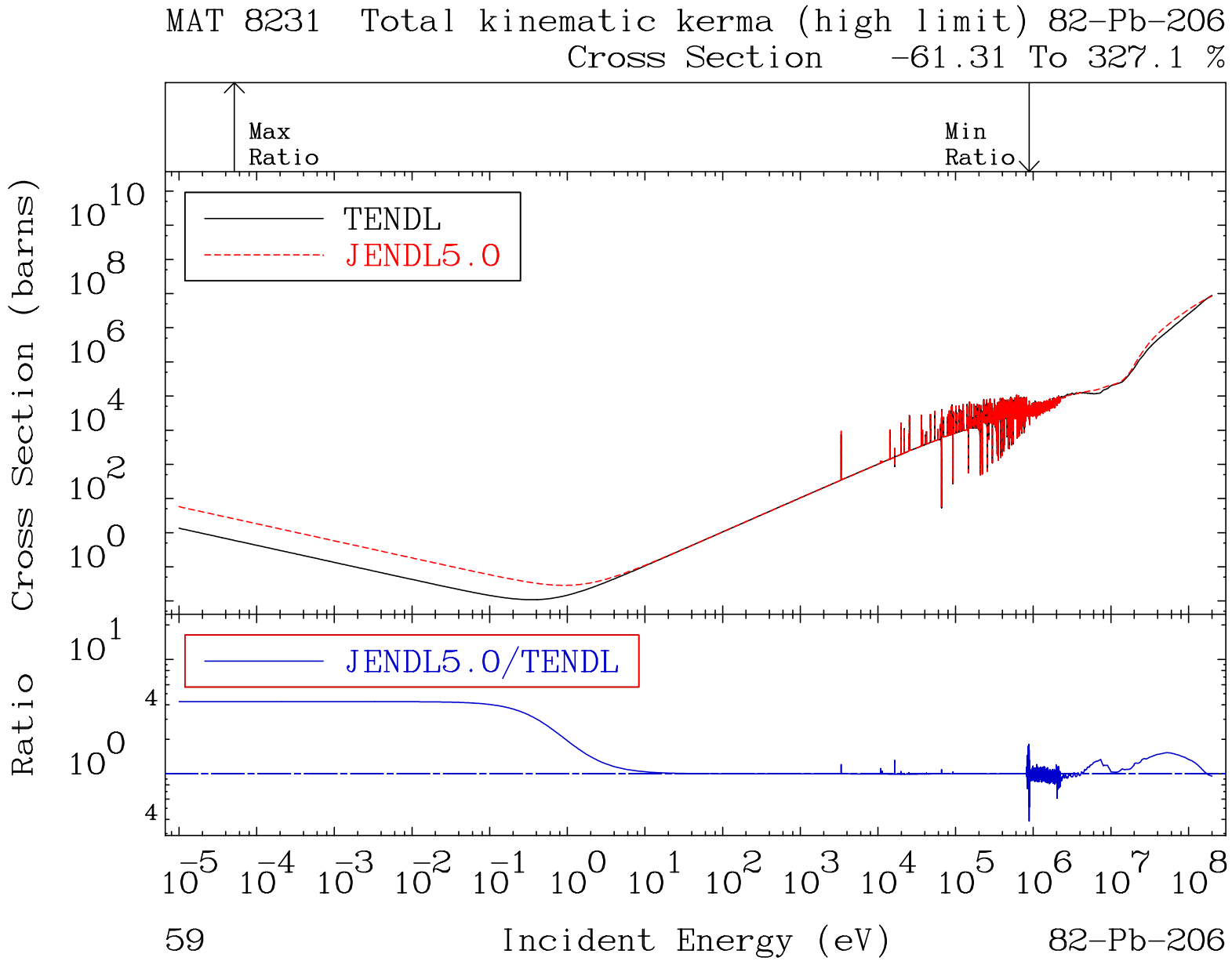

MAT 8231 Kerma non-elastic (all but mt2) 82-Pb-206
Cross Section -62.95 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
82-Pb-206

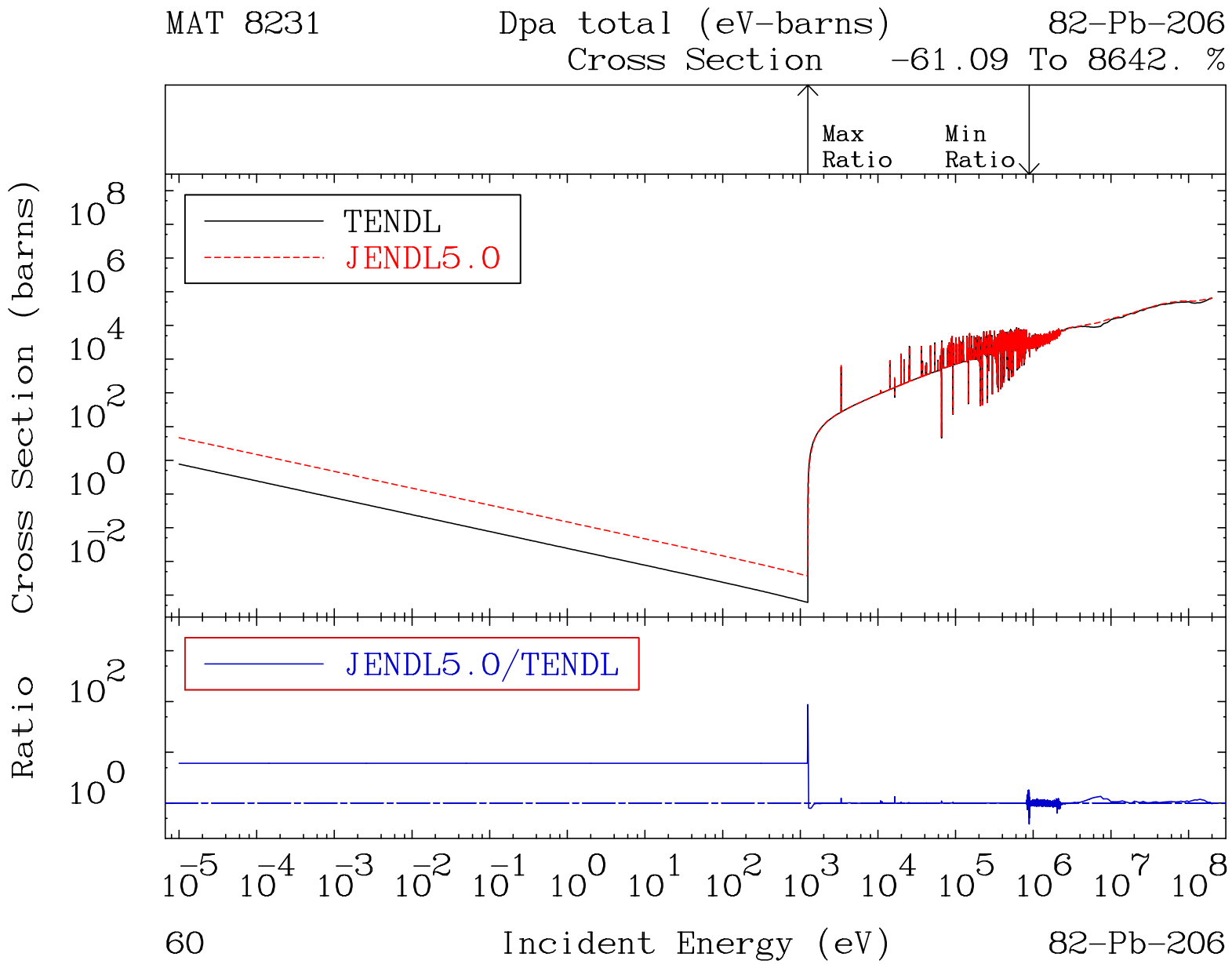

MAT 8231
Kerma inelastic (mt51-91)
82-Pb-206
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 819.92 keV
JENDL5.0 Threshold 150.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
55
82-Pb-206

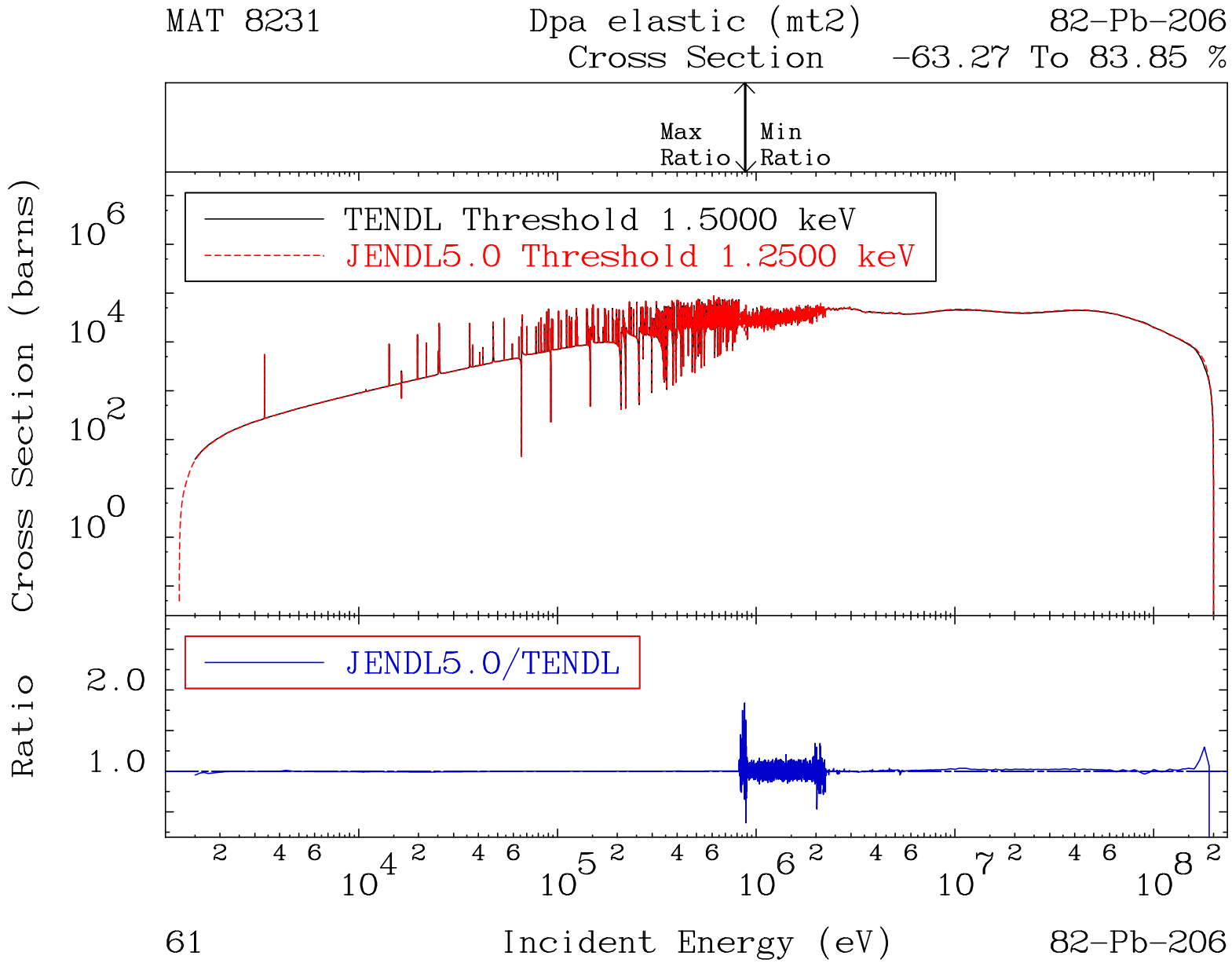

MAT 8231 Kerma fission (mt18 or mt19-20-21-38) 82-Pb-206
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
600
400
200
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
56
Incident Energy (eV)
82-Pb-206

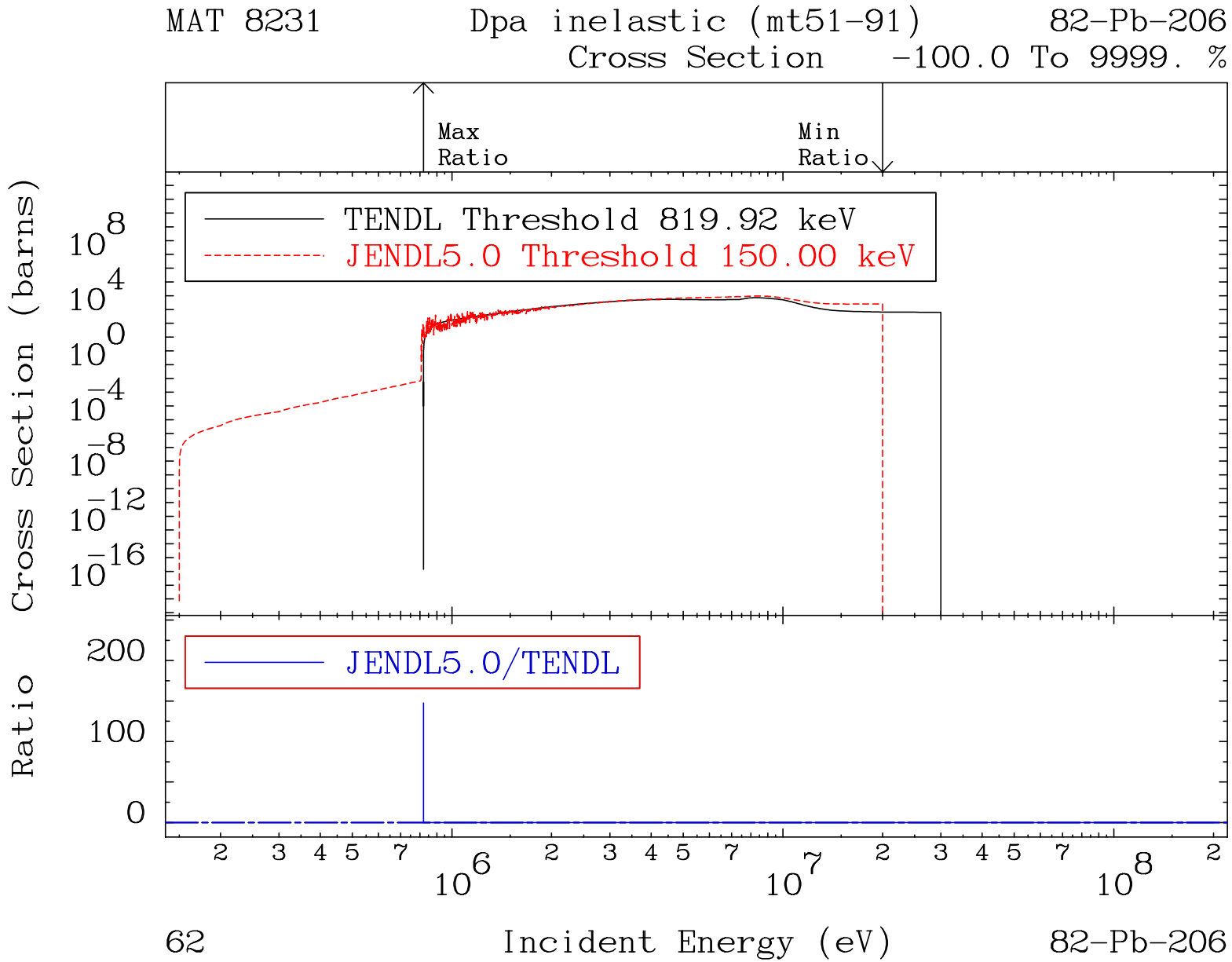

MAT 8231
Kerma capture (mt102)
82-Pb-206
Cross Section -100.0 To 359.8 %
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
57
82-Pb-206

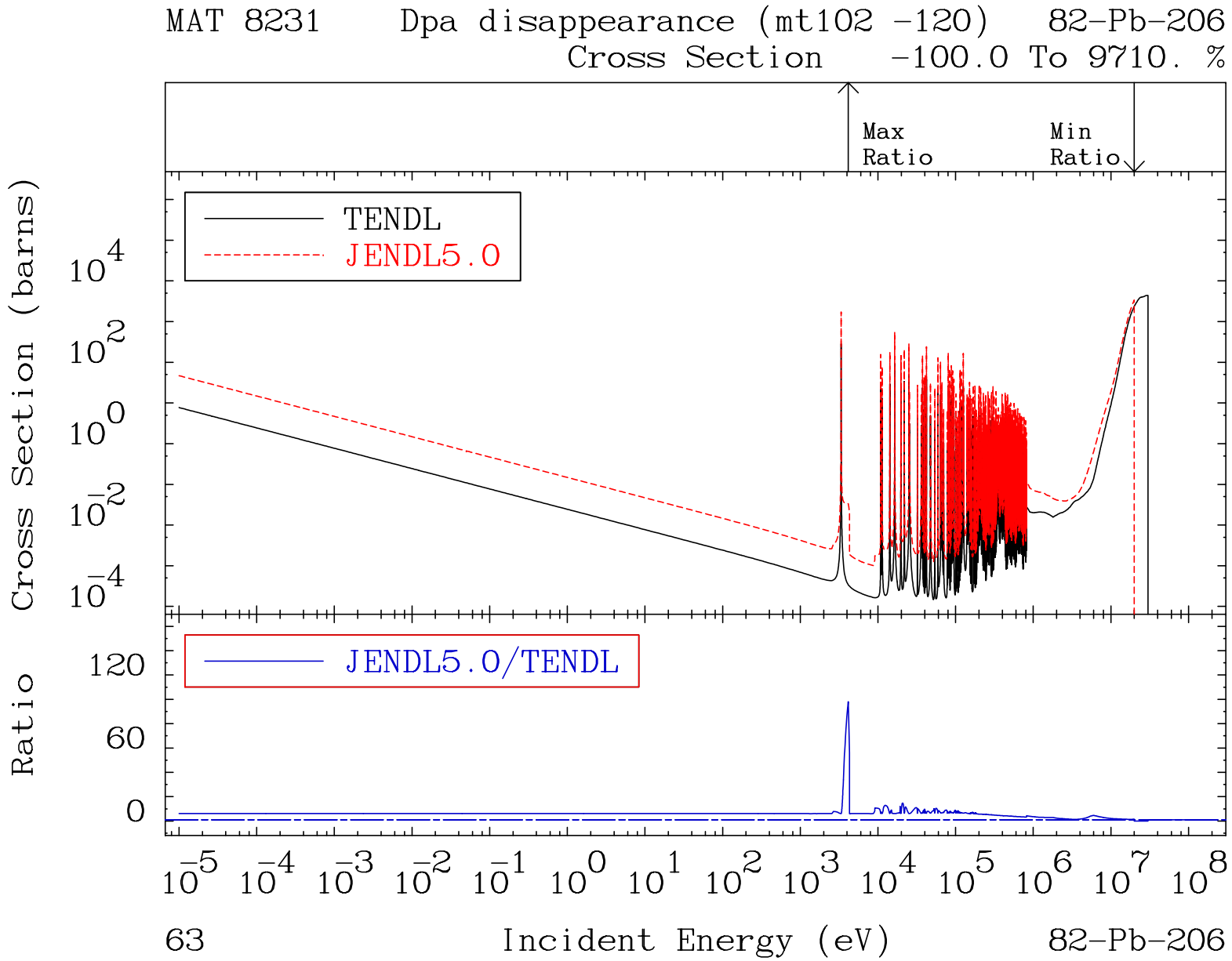

MAT 8231
Total photon (eV-barns)
82-Pb-206
Cross Section -143.5 To 3490. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Ratio Cross Section (Mega-barns)
400
300
200
100
0
40
20
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
58
Incident Energy (eV)
82-Pb-206

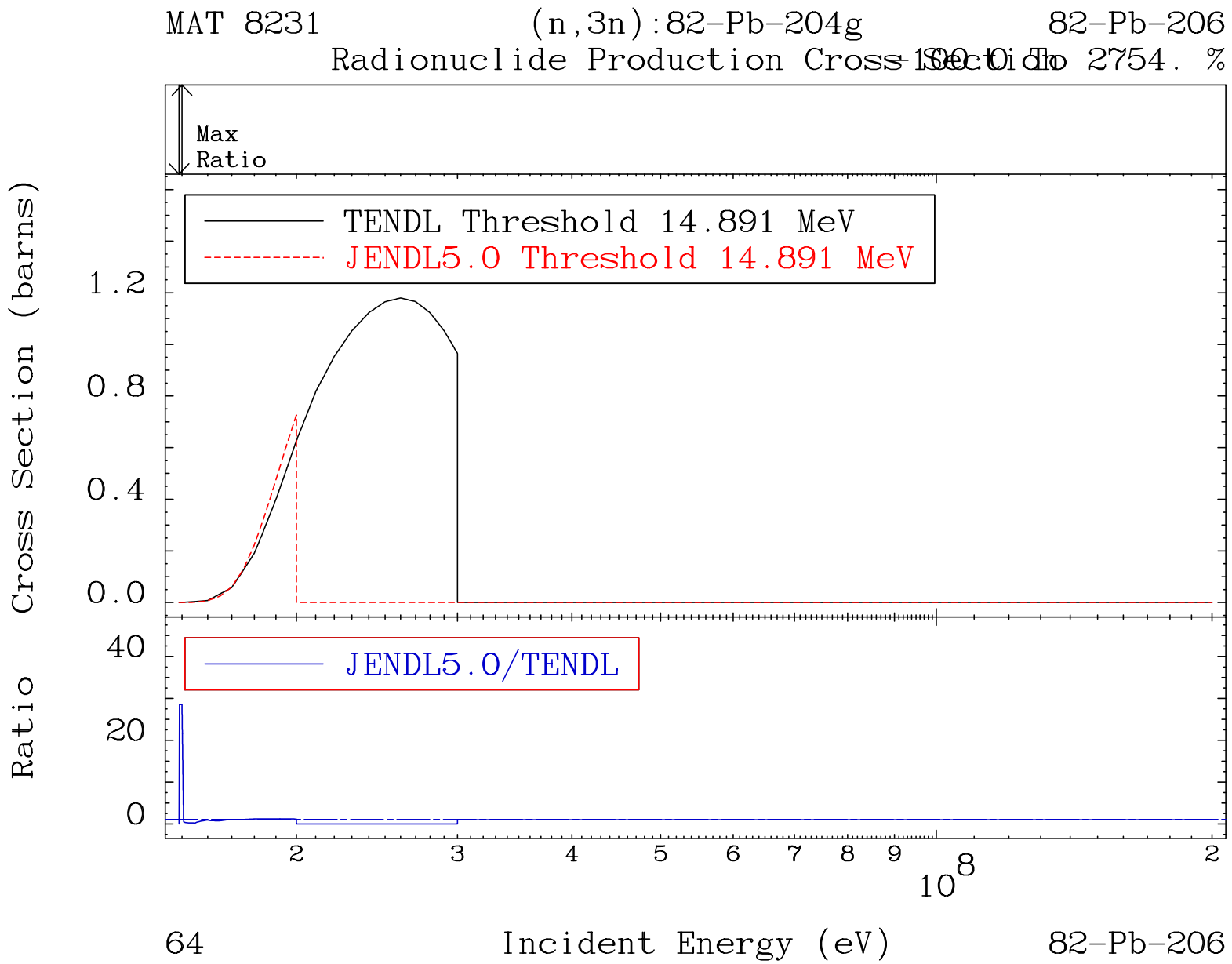

MAT 8231 Total kinematic kerma (high limit) 82-Pb-206
Cross Section -61.31 To 327.1 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
82-Pb-206

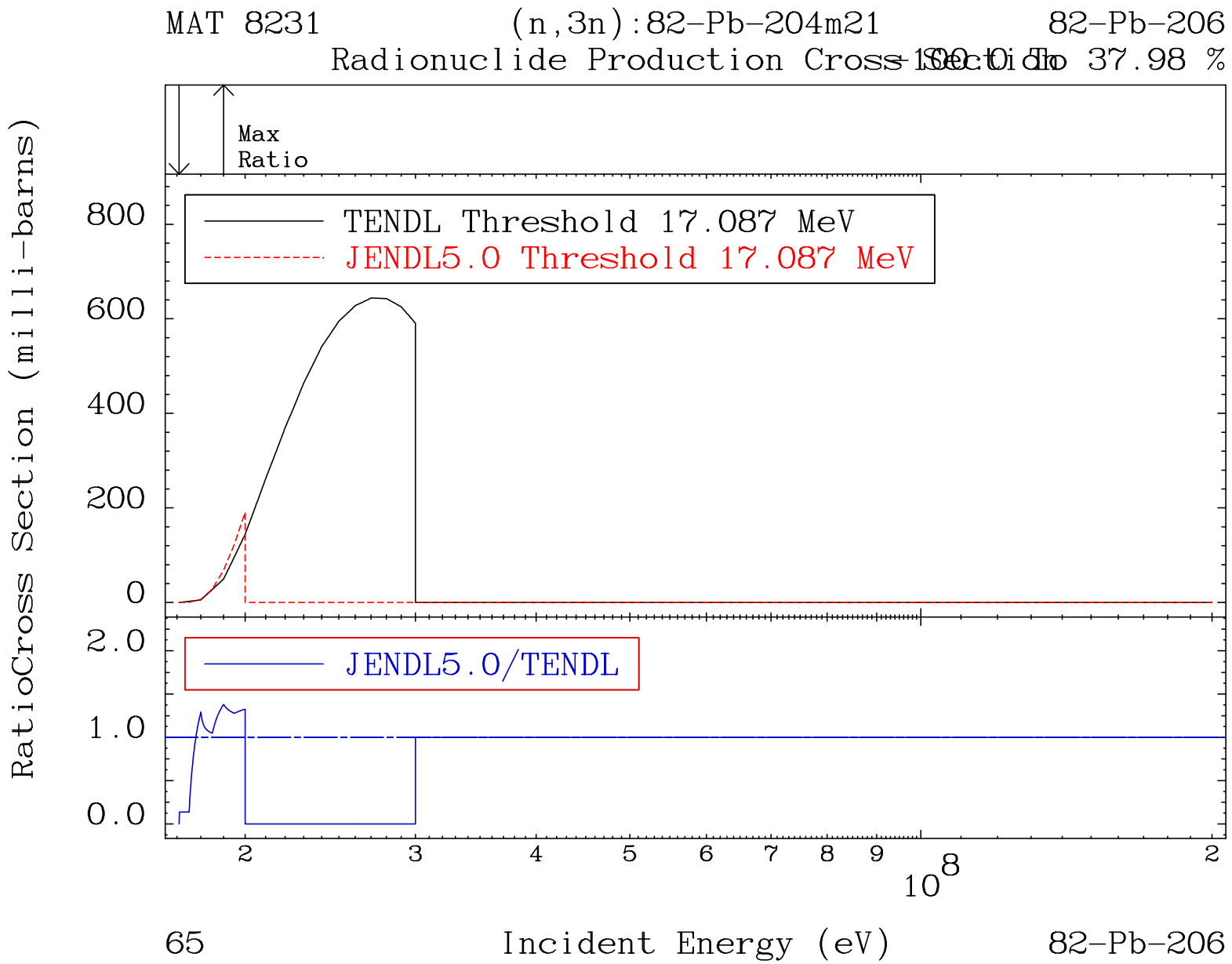

MAT 8231
Dpa total (eV-barns)
82-Pb-206
Cross Section -61.09 To 8642. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
82-Pb-206


MAT 8231
Dpa elastic (mt2)
Cross Section
82-Pb-206
-63.27 To 83.85 %
Max Ratio
Min Ratio
TENDL Threshold 1.5000 keV
JENDL5.0 Threshold 1.2500 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
61
82-Pb-206


MAT 8231
Dpa inelastic (mt51-91)
82-Pb-206
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 819.92 keV
JENDL5.0 Threshold 150.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
62
82-Pb-206


MAT 8231 Dpa disappearance (mt102 -120) 82-Pb-206
Cross Section -100.0 To 9710. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
63
82-Pb-206


MAT 8231
(n,3n):82-Pb-204g
82-Pb-206
Radionuclide Production Cross Section
Max Ratio
TENDL Threshold 14.891 MeV
JENDL5.0 Threshold 14.891 MeV
Cross Section (barns)
1.2
0.8
0.4
0.0
JENDL5.0/TENDL
Ratio
40
20
0
2
3
4
5
6
7
8
9
10^8
2
64
Incident Energy (eV)
82-Pb-206


MAT 8231
(n,3n):82-Pb-204m21
82-Pb-206
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 17.087 MeV
JENDL5.0 Threshold 17.087 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
65
Incident Energy (eV)
82-Pb-206