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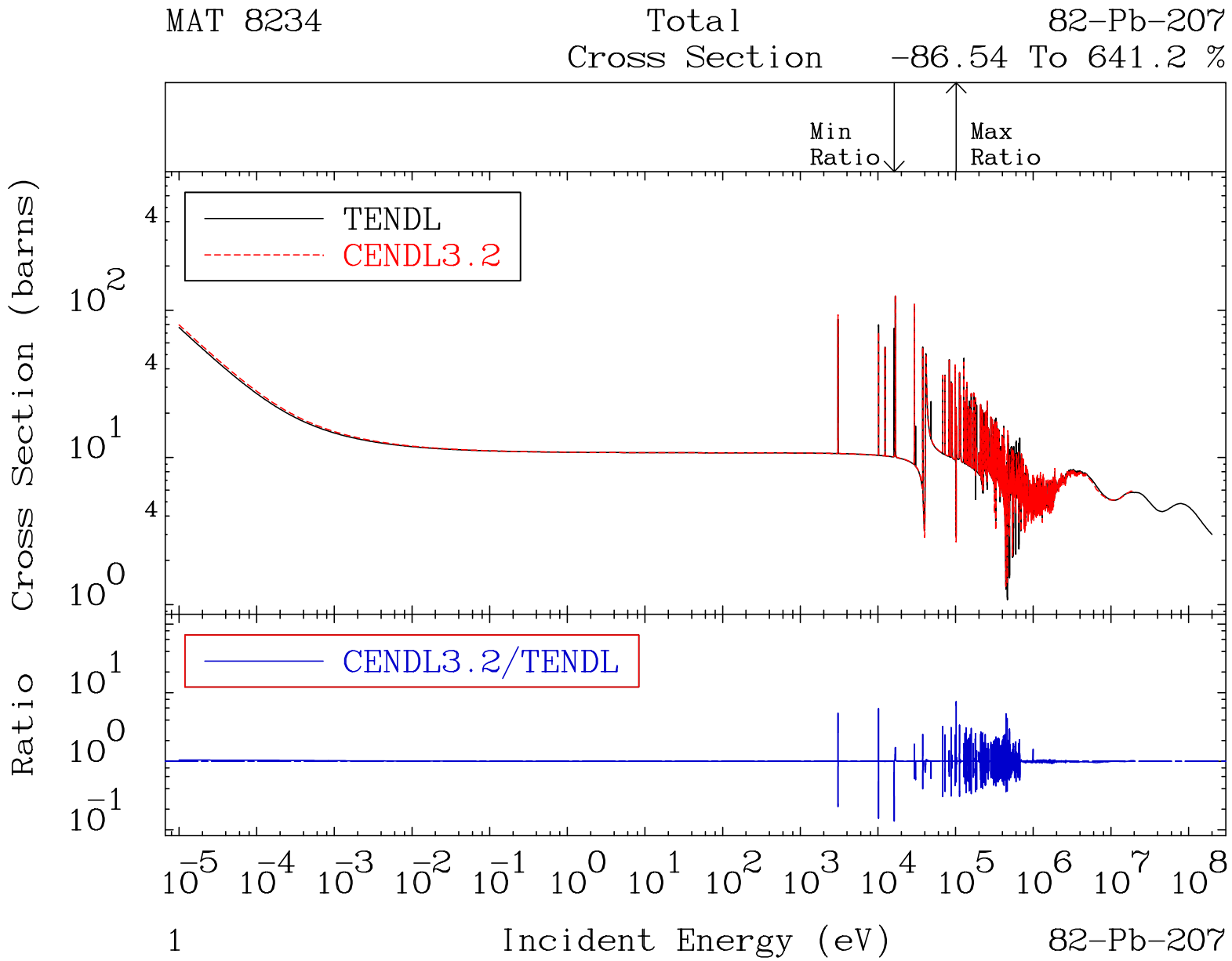
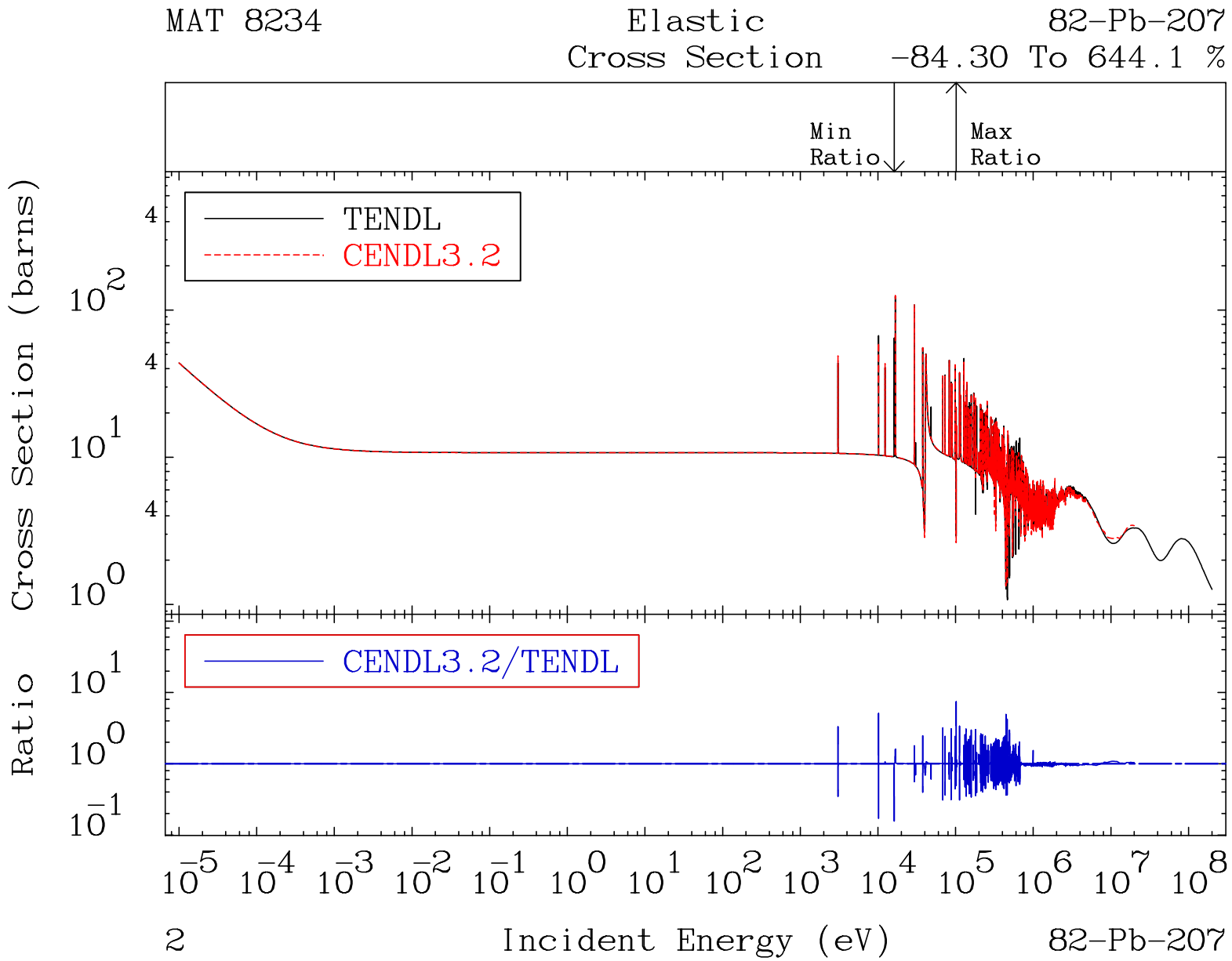
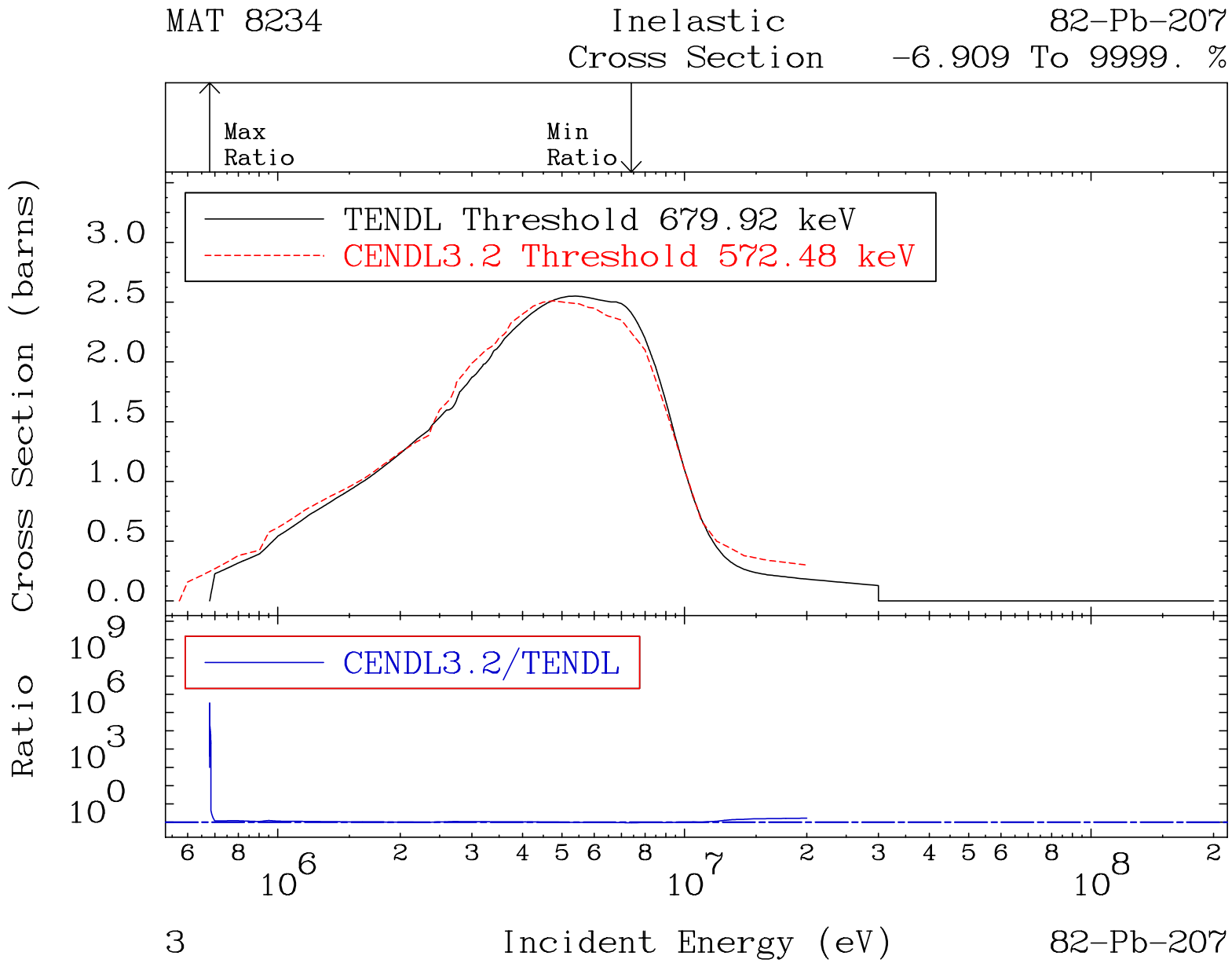
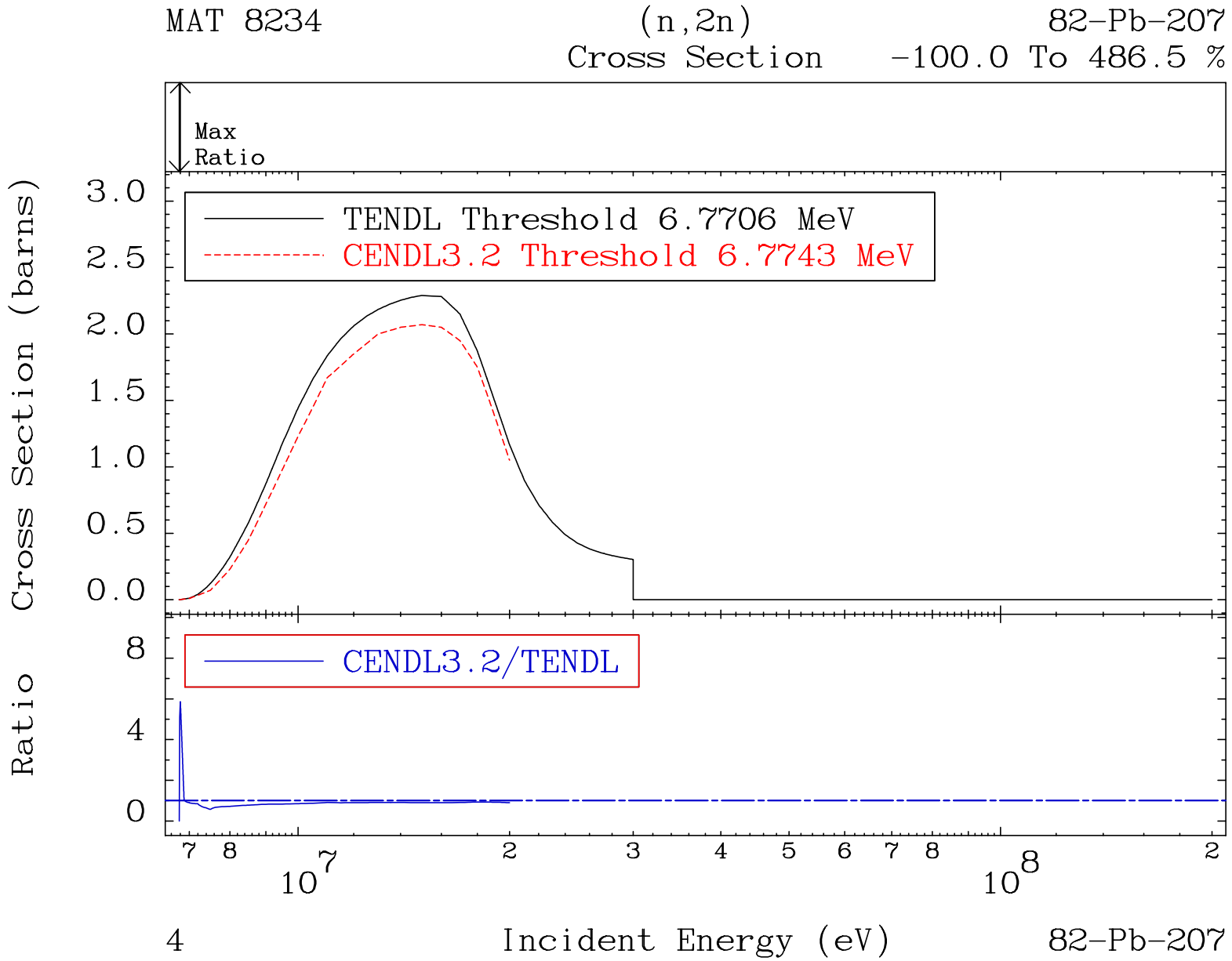
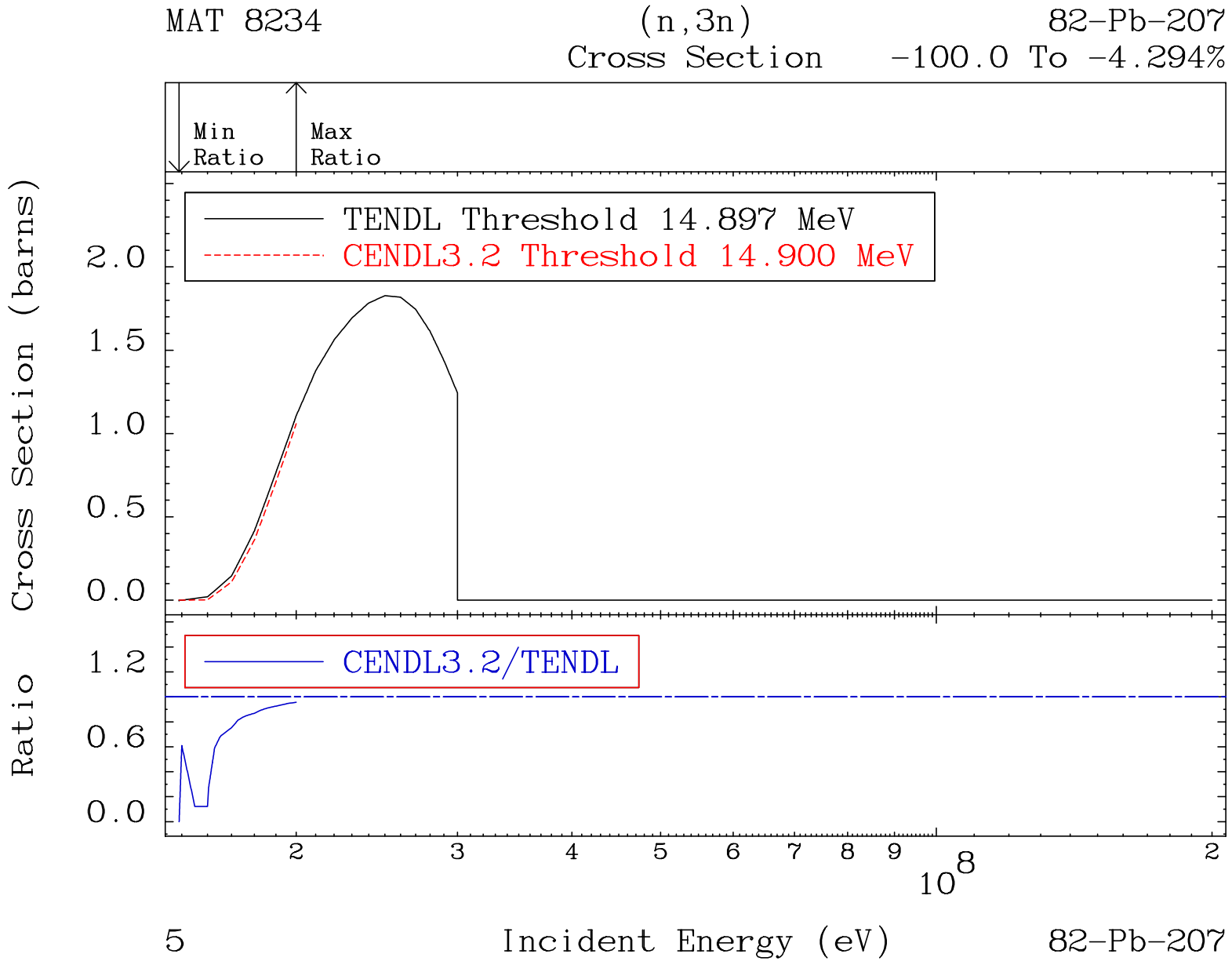
Press Mouse Button to Start

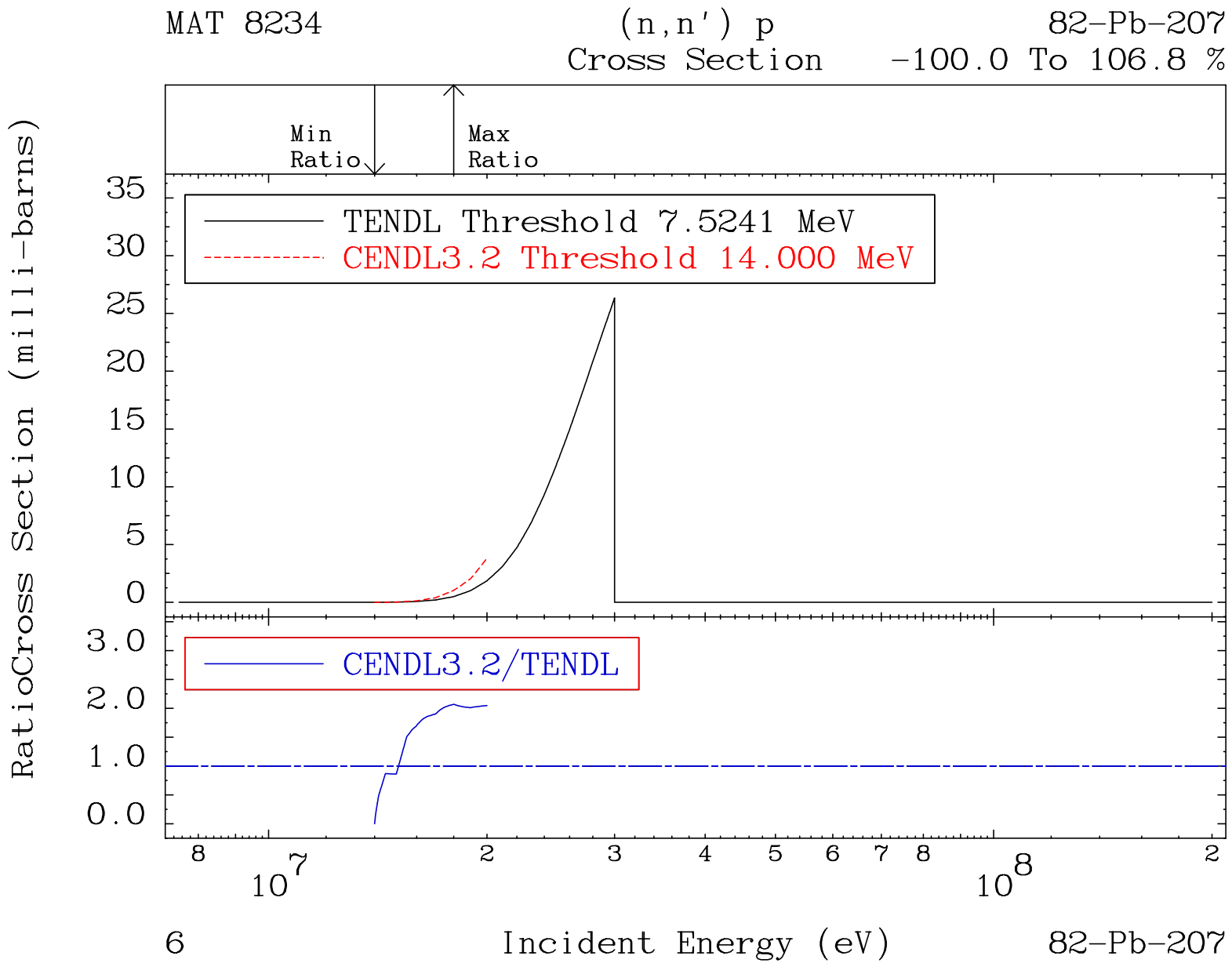

MAT 8234
Total
Cross Section
82-Pb-207
-86.54 To 641.2 %
Min
Ratio
Max
Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
82-Pb-207

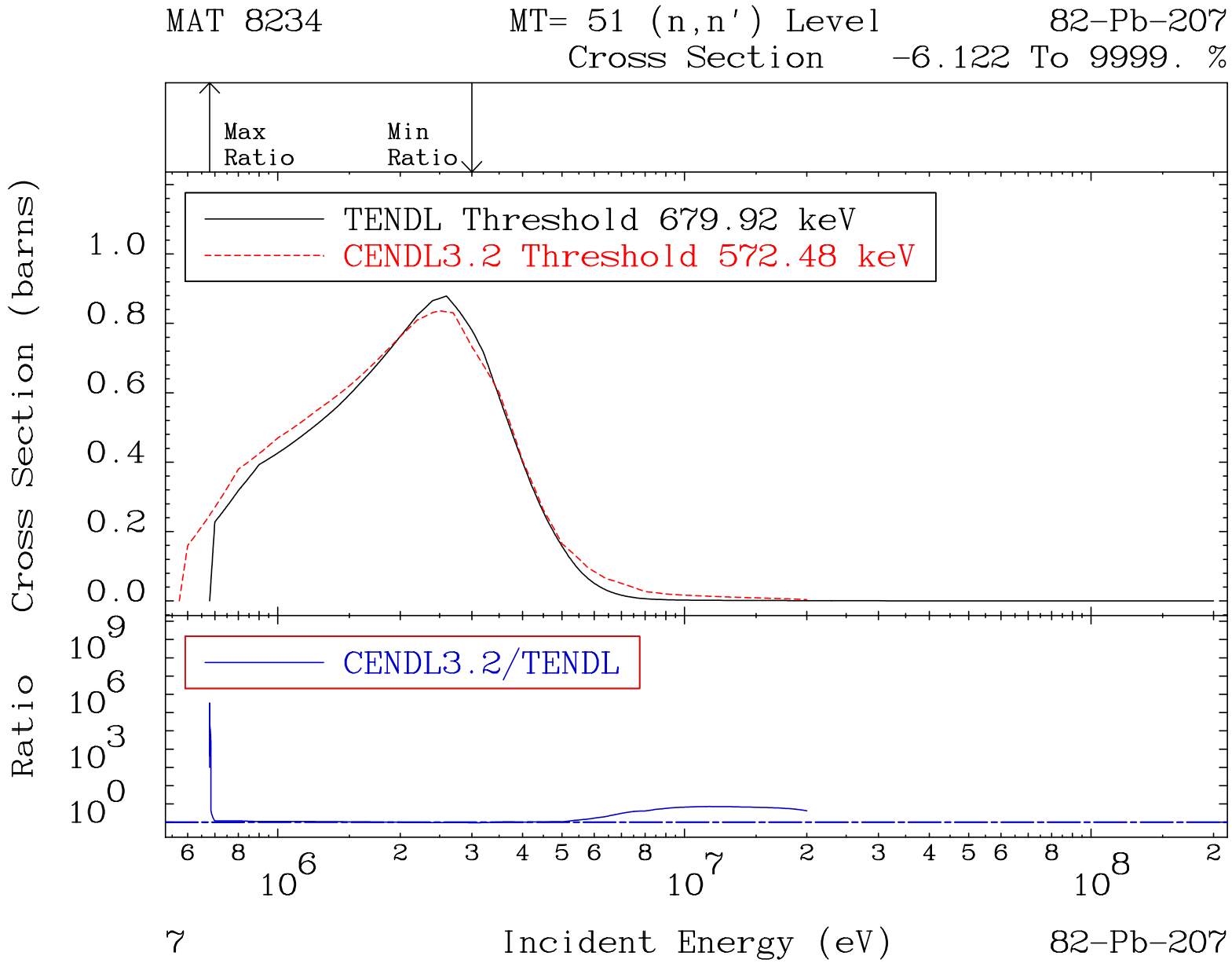

MAT 8234
Elastic
Cross Section
82-Pb-207
-84.30 To 644.1 %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
82-Pb-207
2

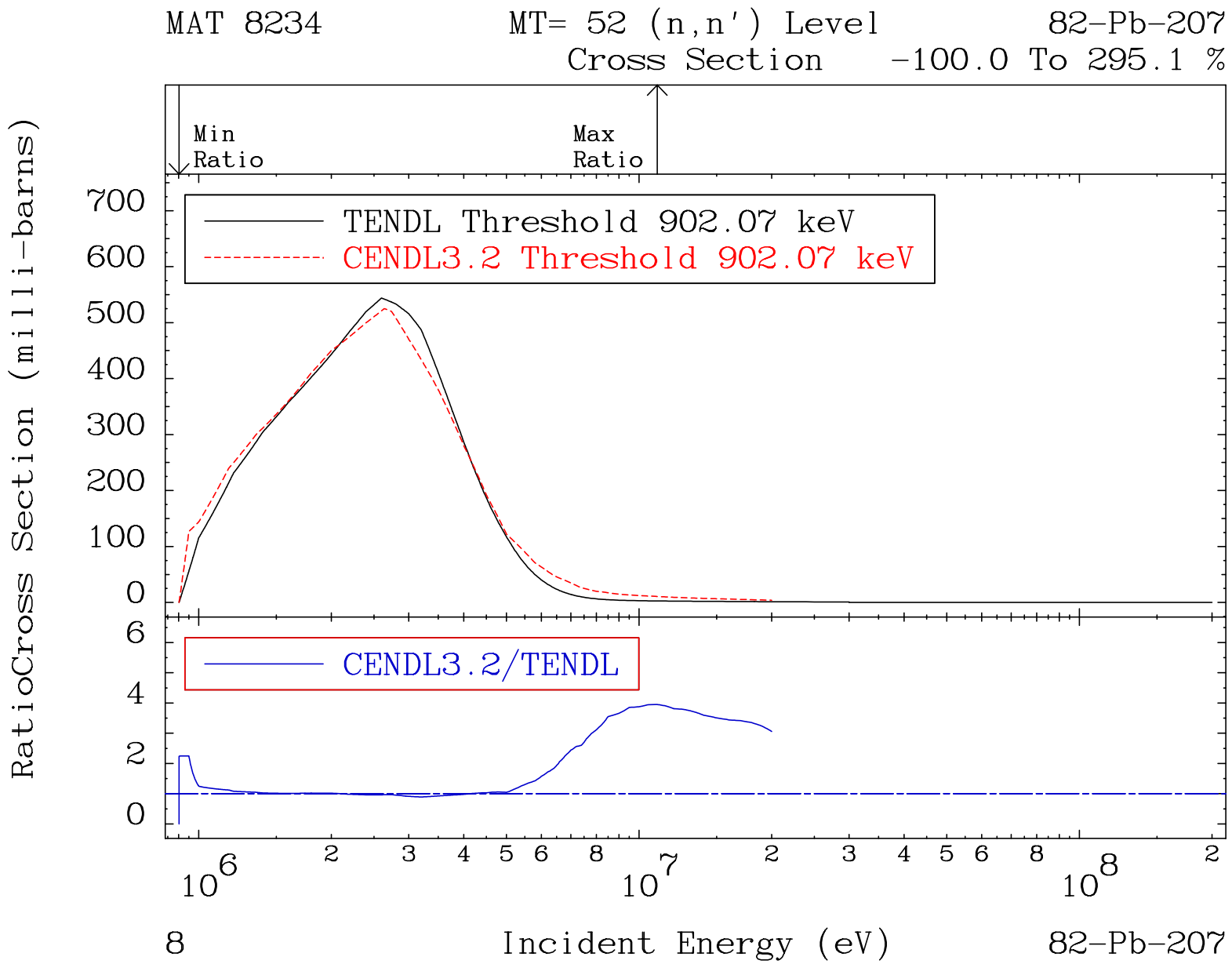

MAT 8234
Inelastic
Cross Section
82-Pb-207
-6.909 To 9999. %
Max
Ratio
Min
Ratio
TENDL Threshold 679.92 keV
CENDL3.2 Threshold 572.48 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
82-Pb-207

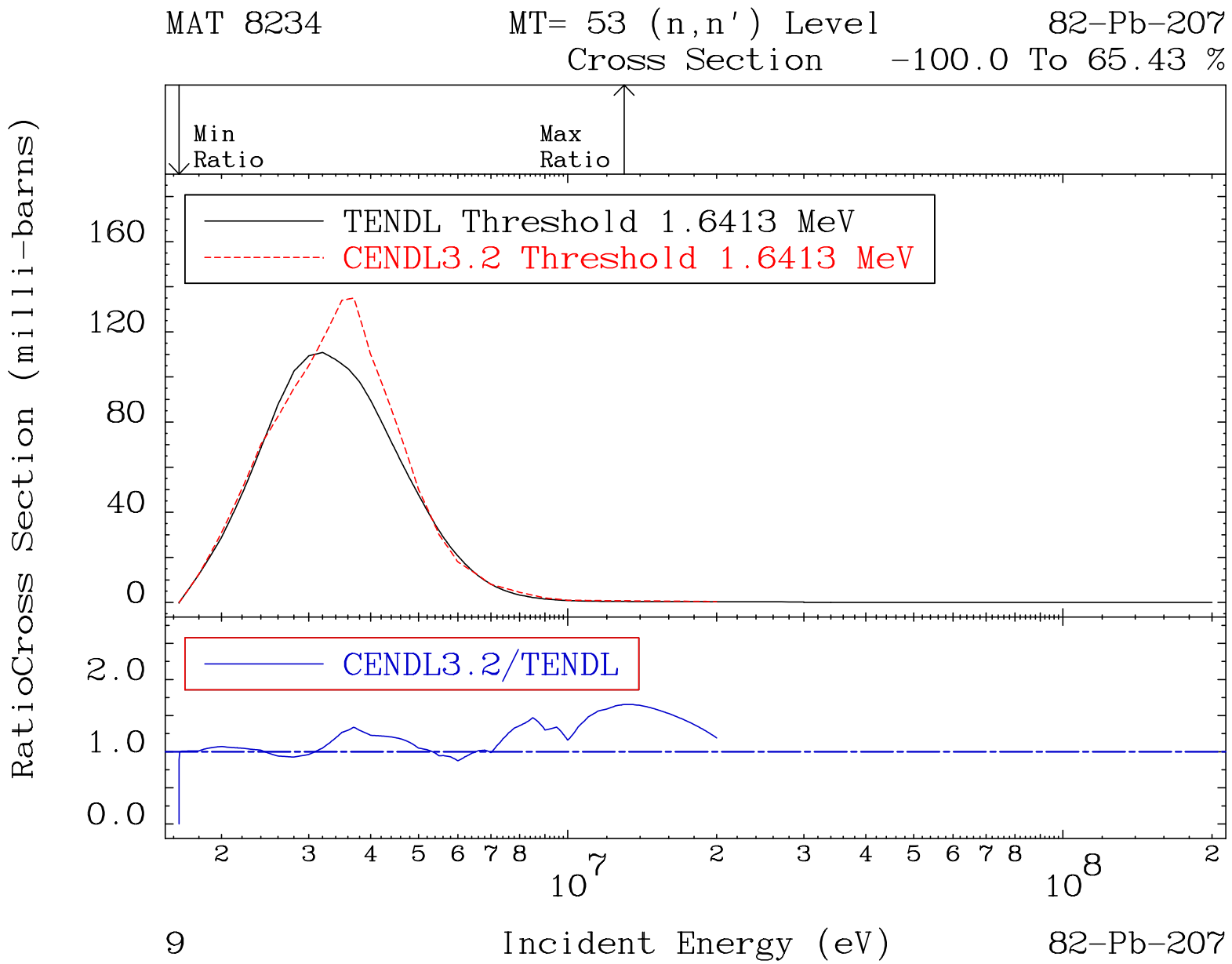

MAT 8234
(n,2n)
Cross Section
82-Pb-207
-100.0 To 486.5 %
Max
Ratio
TENDL Threshold 6.7706 MeV
CENDL3.2 Threshold 6.7743 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
8
4
0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
Incident Energy (eV)
4
82-Pb-207

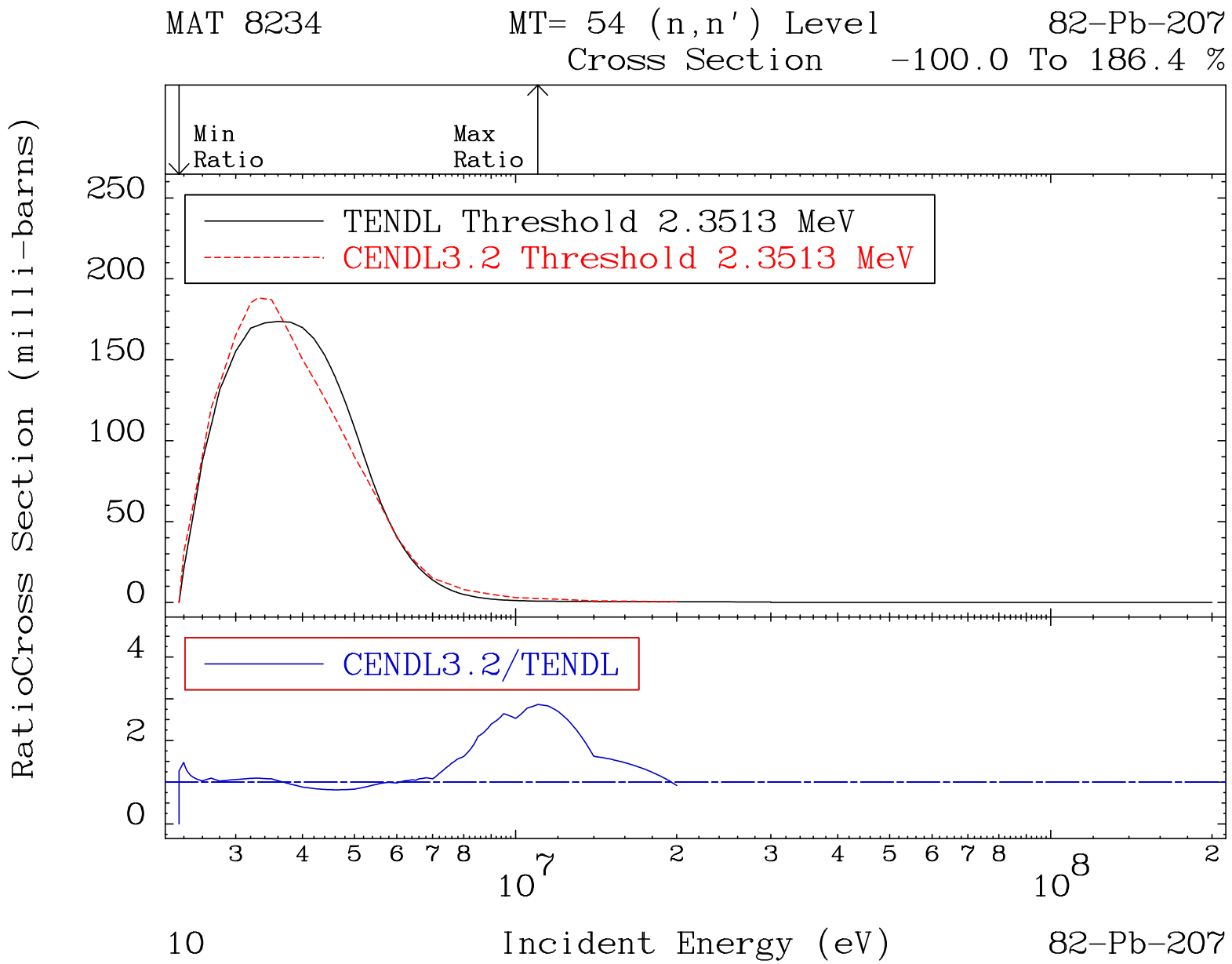

MAT 8234
(n,3n)
Cross Section
82-Pb-207
-100.0 To -4.294%
Min Ratio
Max Ratio
TENDL Threshold 14.897 MeV
CENDL3.2 Threshold 14.900 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
Incident Energy (eV)
5
82-Pb-207

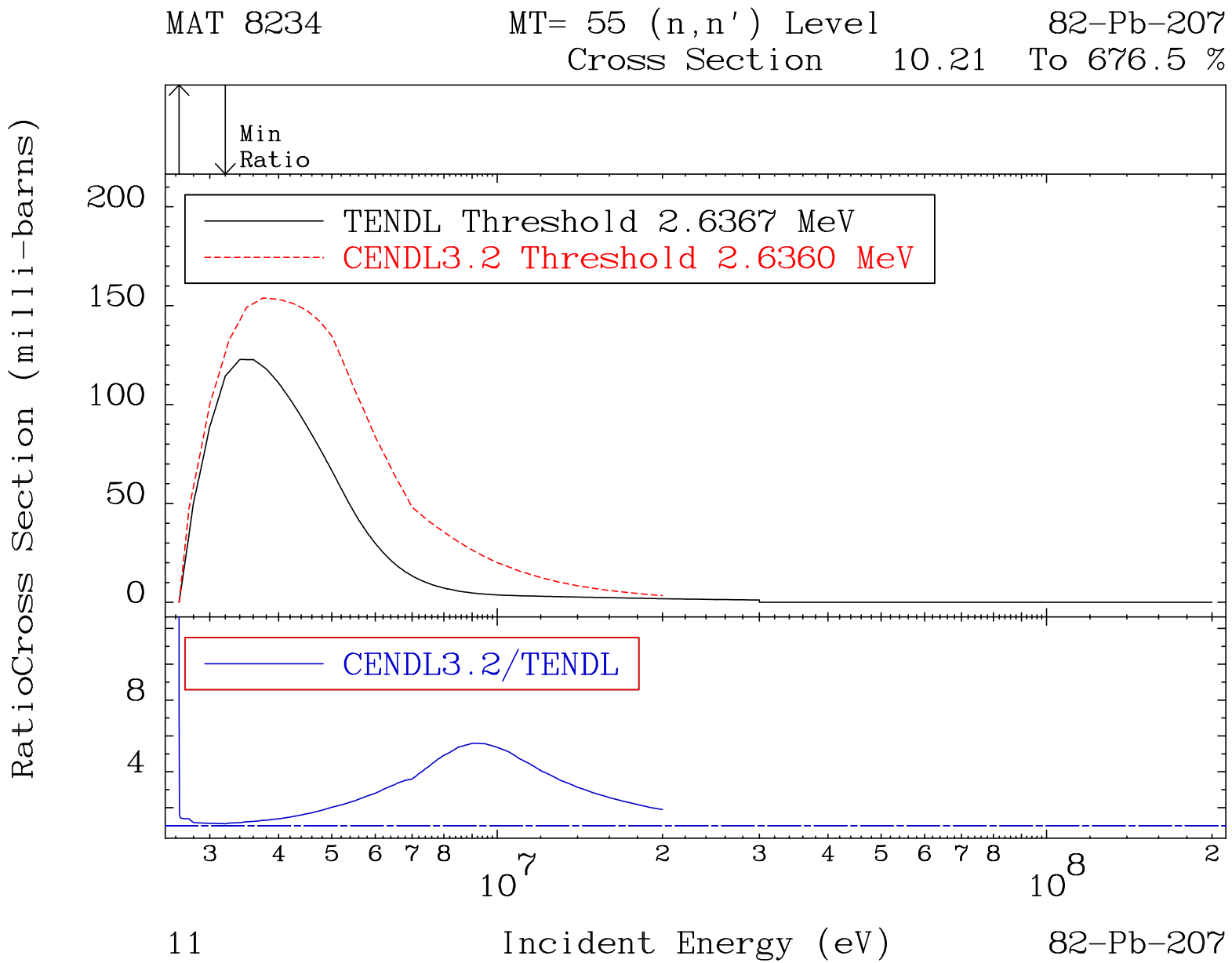

MAT 8234
(n,n') p
Cross Section
82-Pb-207
-100.0 To 106.8 %
Min Ratio
Max Ratio
TENDL Threshold 7.5241 MeV
CENDL3.2 Threshold 14.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
3.0
2.0
1.0
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
6
Incident Energy (eV)
82-Pb-207

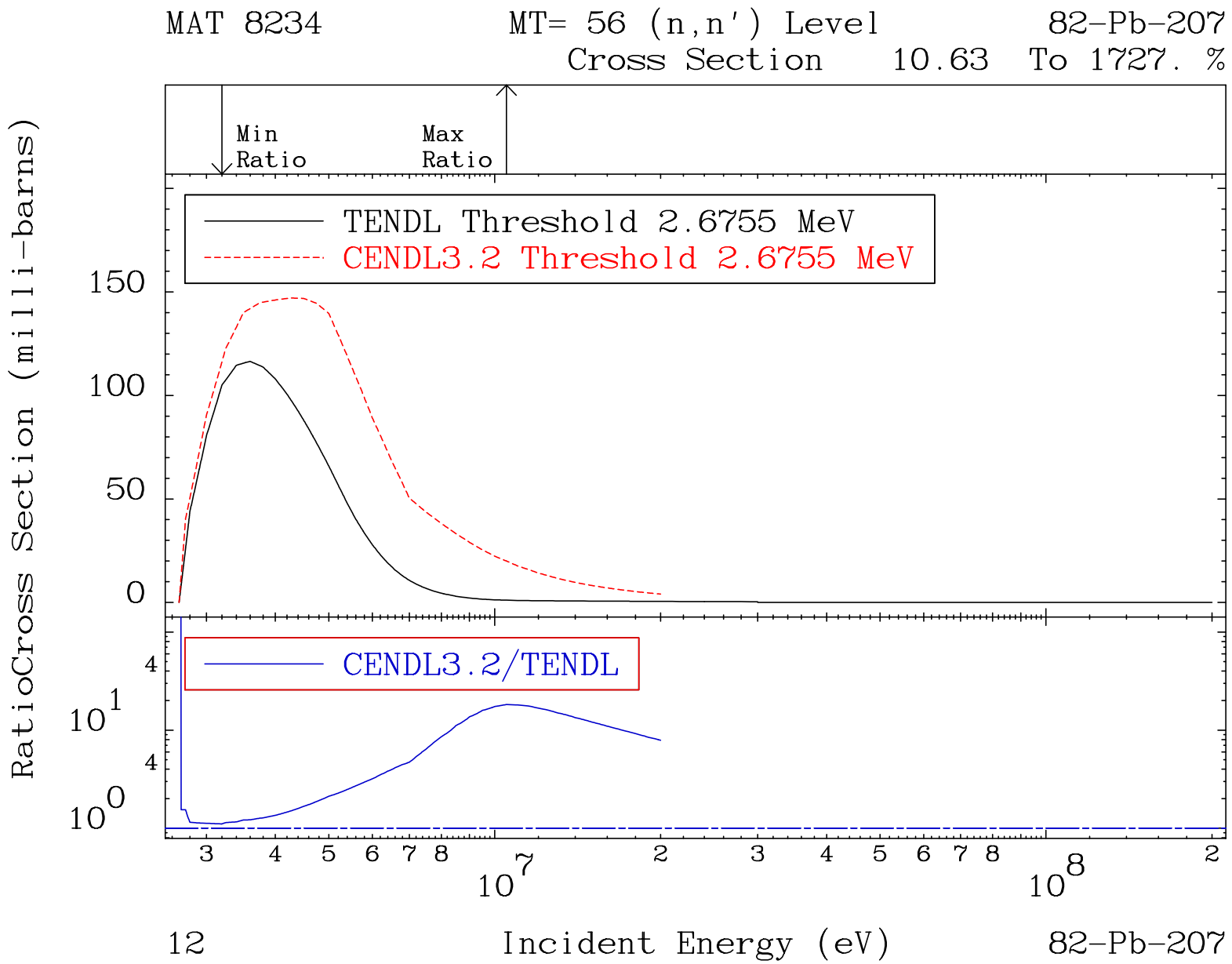

MAT 8234
MT= 51 (n,n') Level
82-Pb-207
Cross Section
-6.122 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 679.92 keV
CENDL3.2 Threshold 572.48 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
82-Pb-207

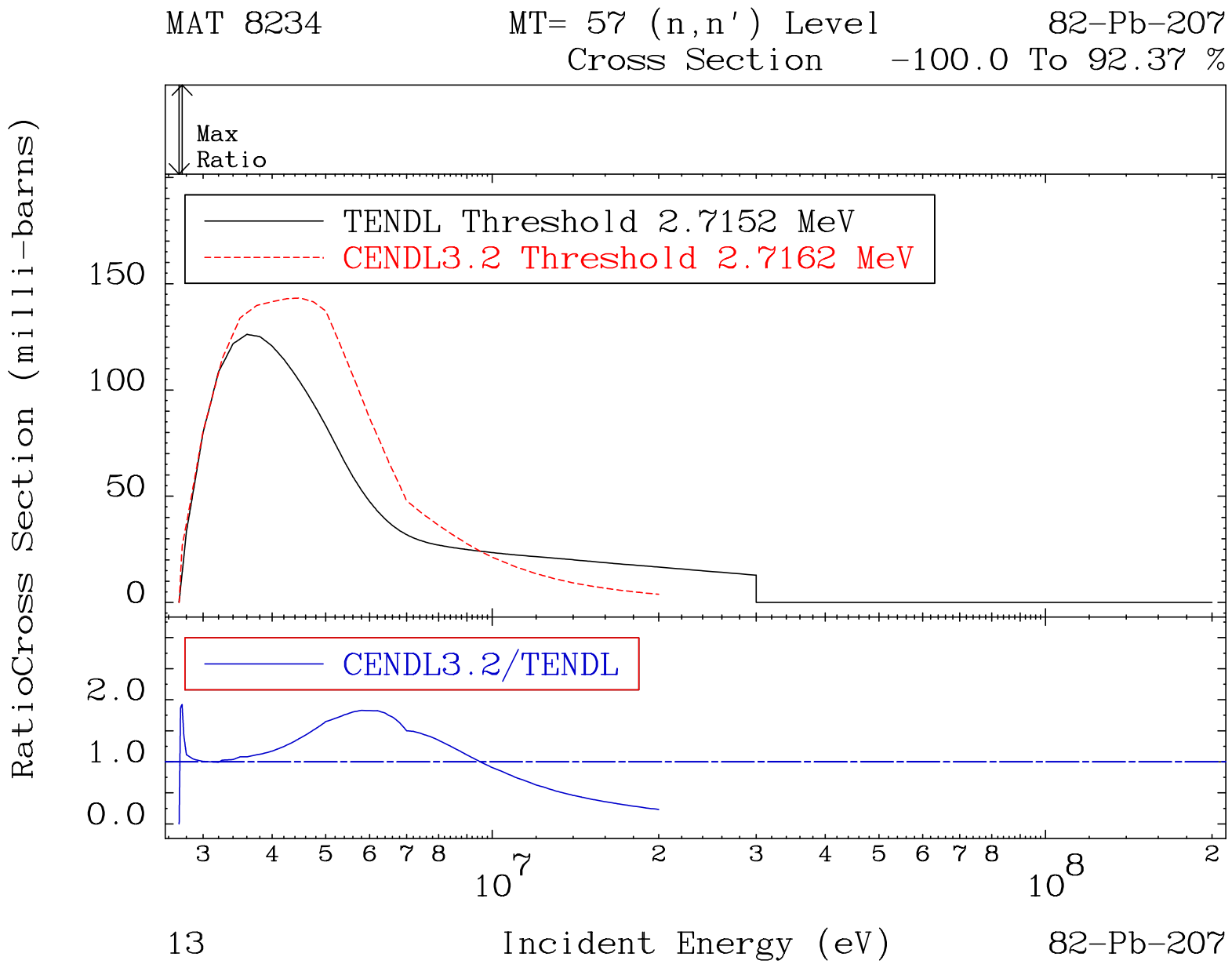

MAT 8234
MT= 52 (n,n') Level
82-Pb-207
Cross Section
-100.0 To 295.1 %
Min Ratio
Max Ratio
TENDL Threshold 902.07 keV
CENDL3.2 Threshold 902.07 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
82-Pb-207

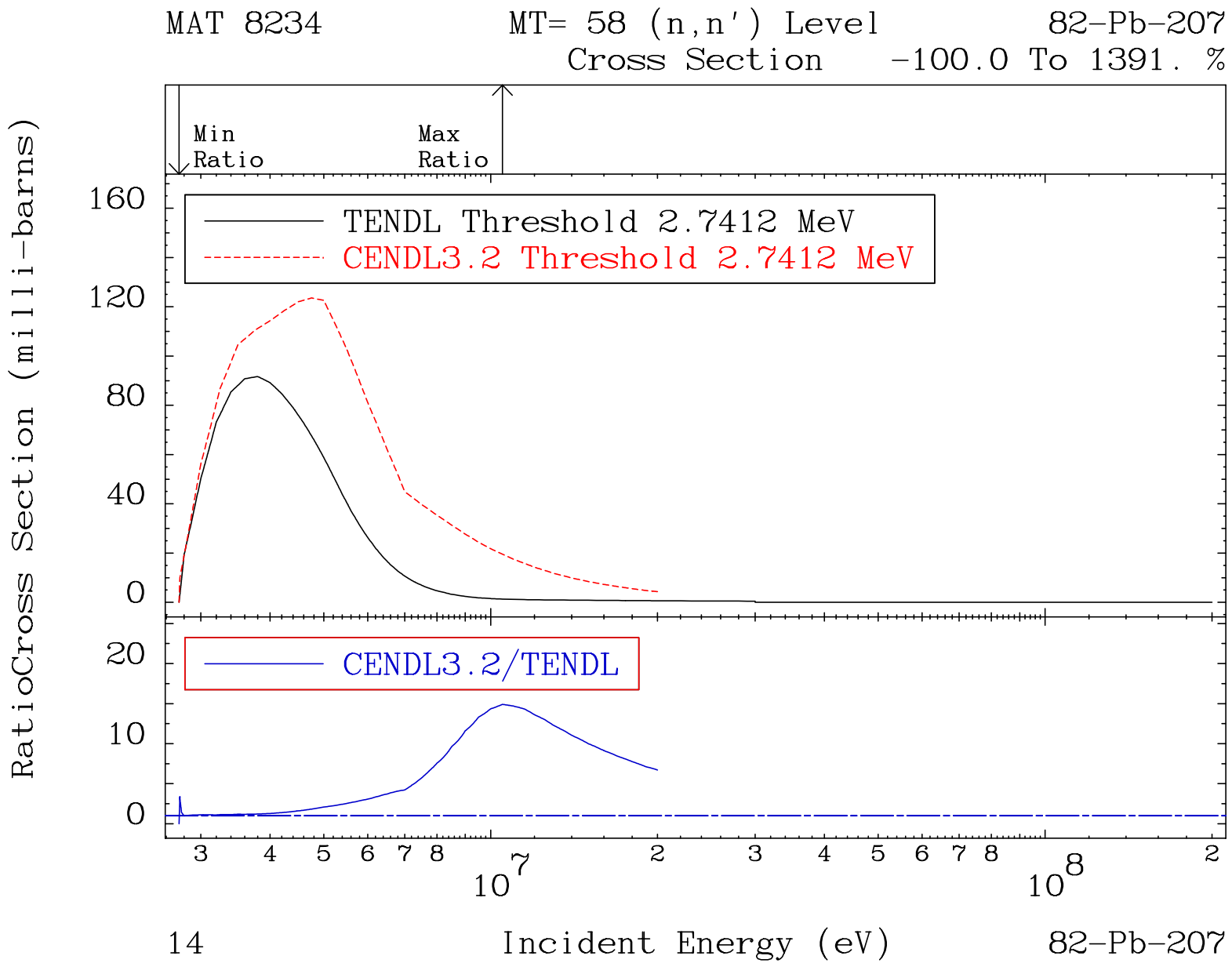

MAT 8234
MT= 53 (n,n') Level
82-Pb-207
Cross Section
-100.0 To 65.43 %
Min Ratio
Max Ratio
TENDL Threshold 1.6413 MeV
CENDL3.2 Threshold 1.6413 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
9
Incident Energy (eV)
82-Pb-207

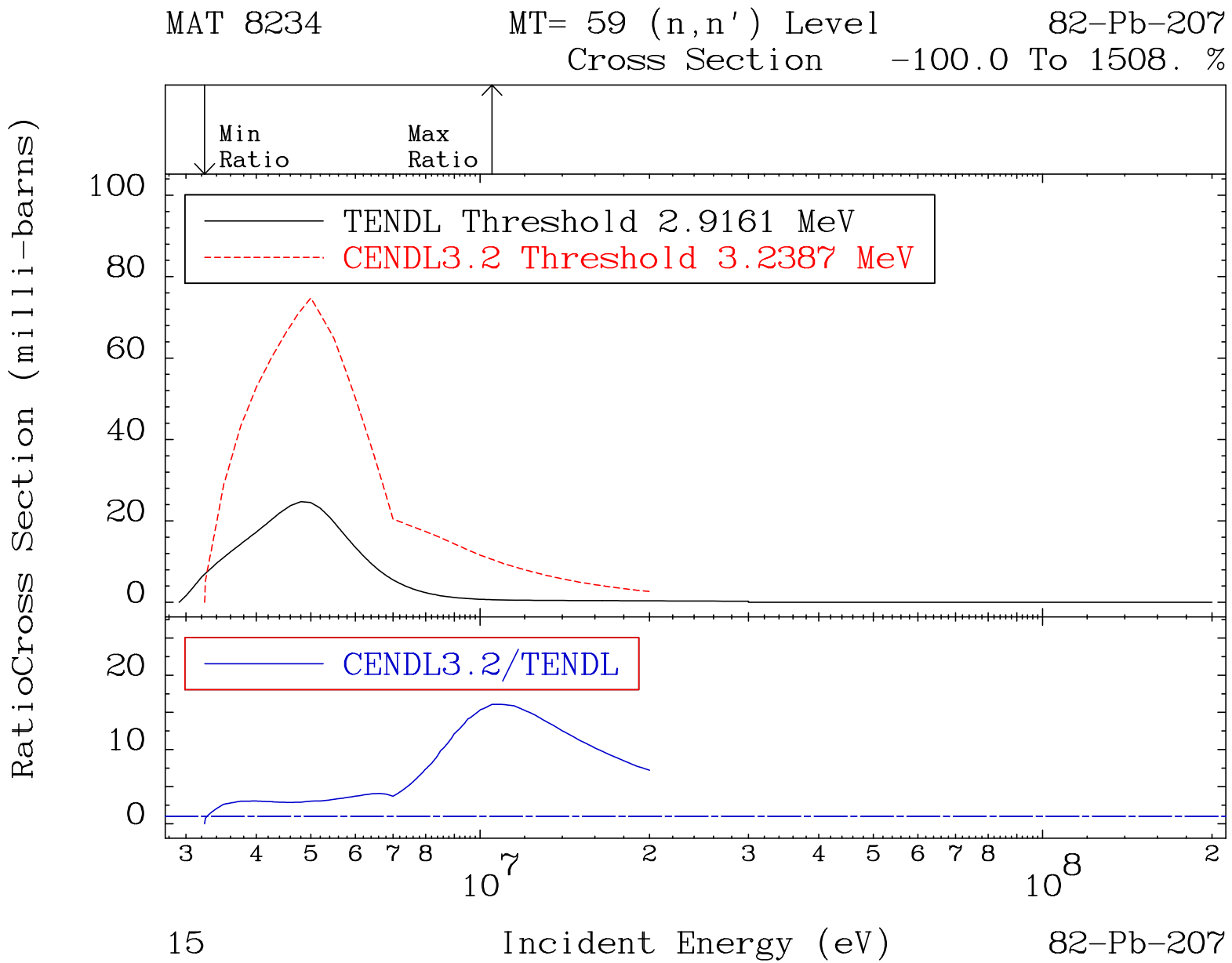

MAT 8234
MT= 54 (n,n') Level
82-Pb-207
Cross Section
-100.0 To 186.4 %
Min Ratio
Max Ratio
TENDL Threshold 2.3513 MeV
CENDL3.2 Threshold 2.3513 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
10
82-Pb-207

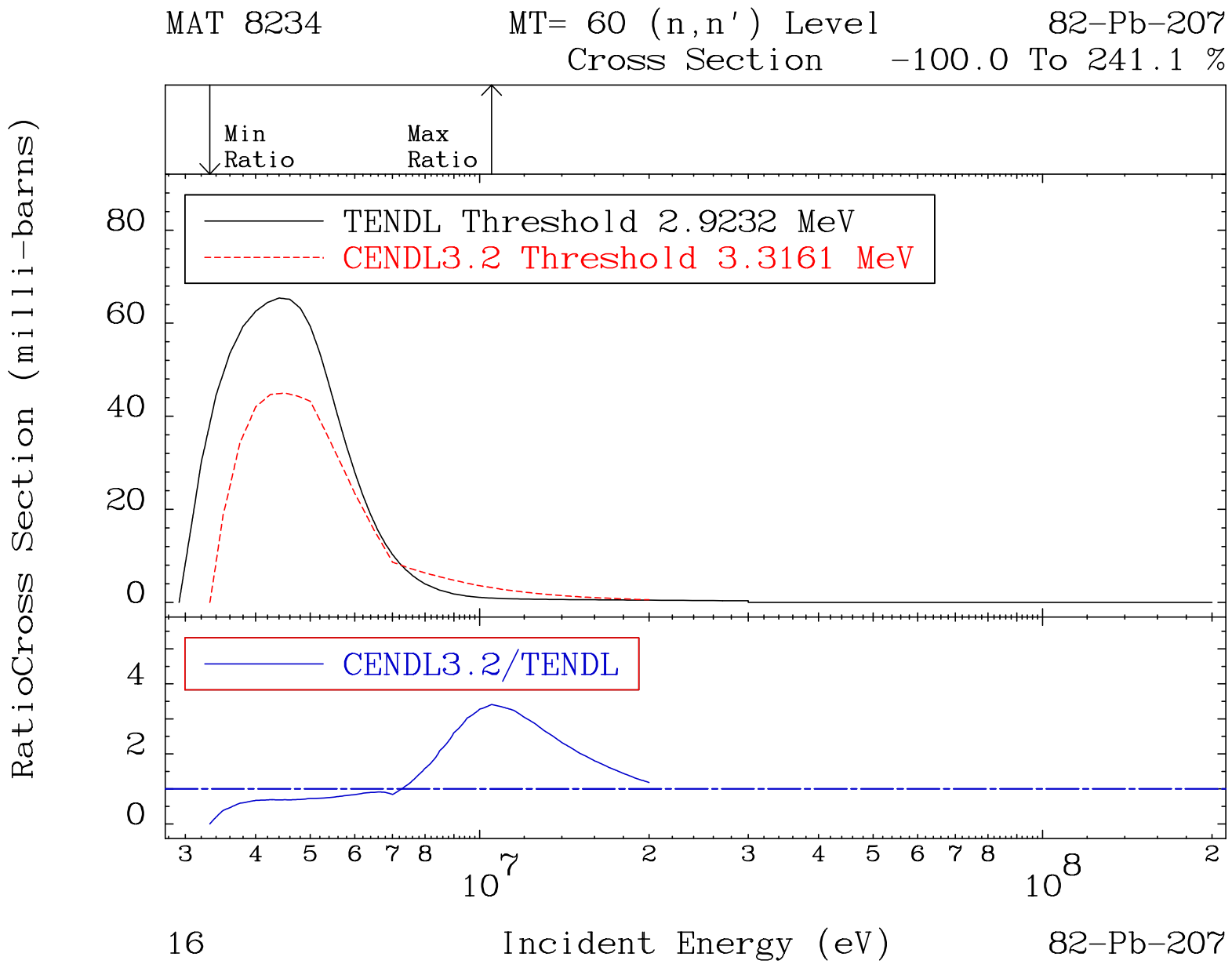

MAT 8234
MT= 55 (n,n') Level
82-Pb-207
Cross Section 10.21 To 676.5 %
Min
Ratio
TENDL Threshold 2.6367 MeV
CENDL3.2 Threshold 2.6360 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
8
4
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
11
Incident Energy (eV)
82-Pb-207

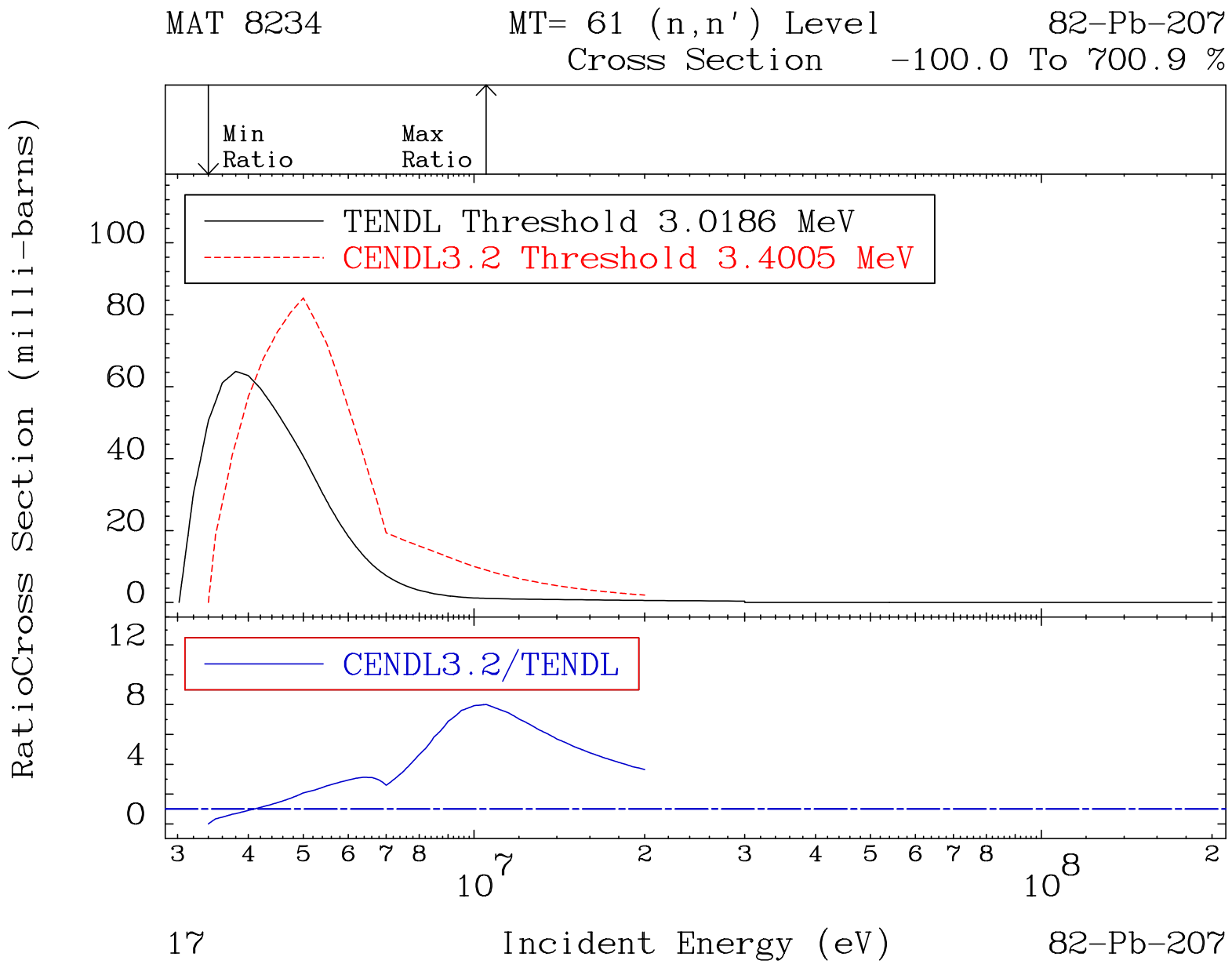

MAT 8234
MT= 56 (n,n') Level
82-Pb-207
Cross Section 10.63 To 1727. %
Min Ratio
Max Ratio
TENDL Threshold 2.6755 MeV
CENDL3.2 Threshold 2.6755 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
150
100
50
0
10^1
10^0
4
4
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
12
Incident Energy (eV)
82-Pb-207

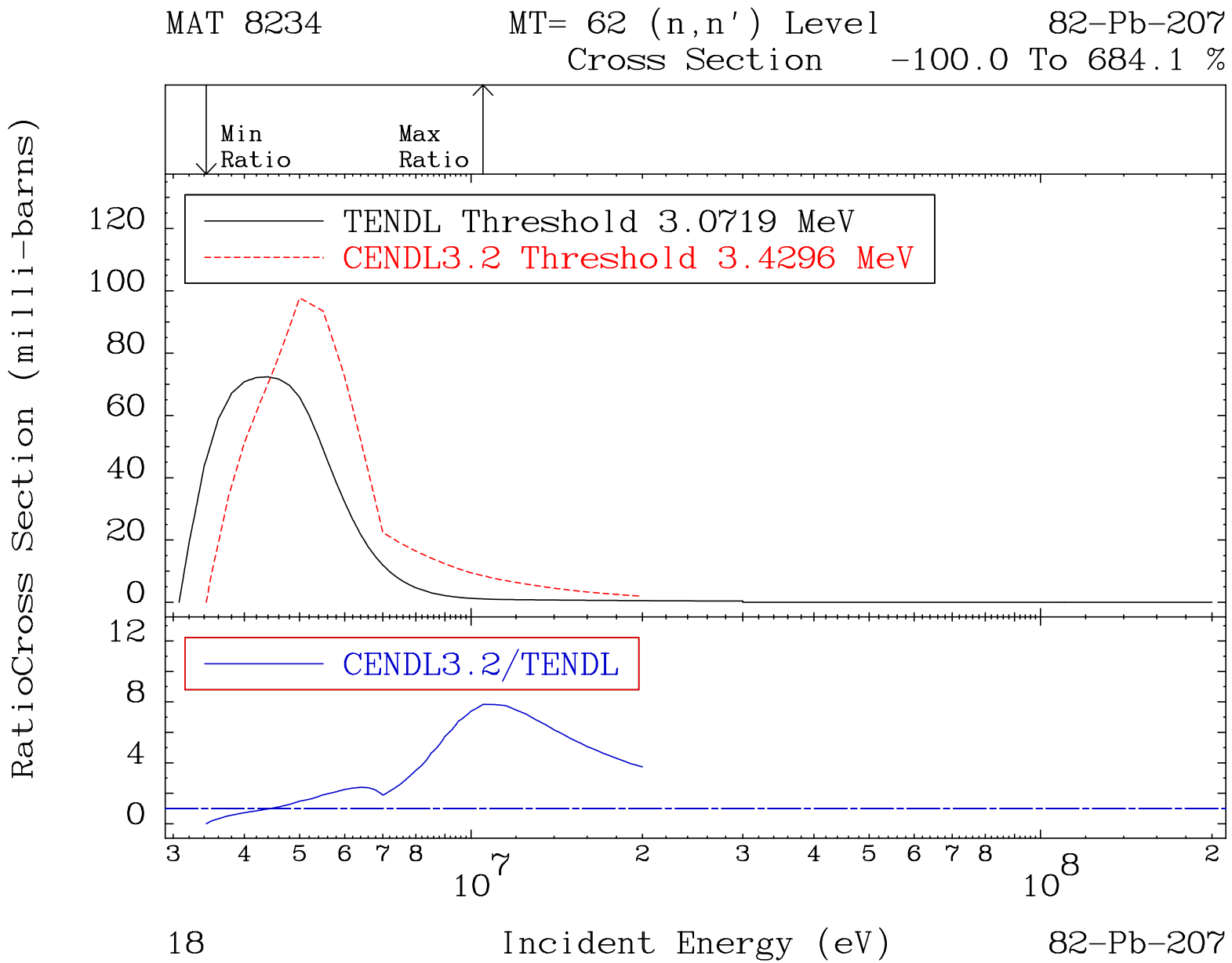

MAT 8234
MT= 57 (n,n') Level
82-Pb-207
Cross Section
-100.0 To 92.37 %
Max
Ratio
TENDL Threshold 2.7152 MeV
CENDL3.2 Threshold 2.7162 MeV
150
100
50
0
CENDL3.2/TENDL
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
RatioCross Section (milli-barns)
13
Incident Energy (eV)
82-Pb-207

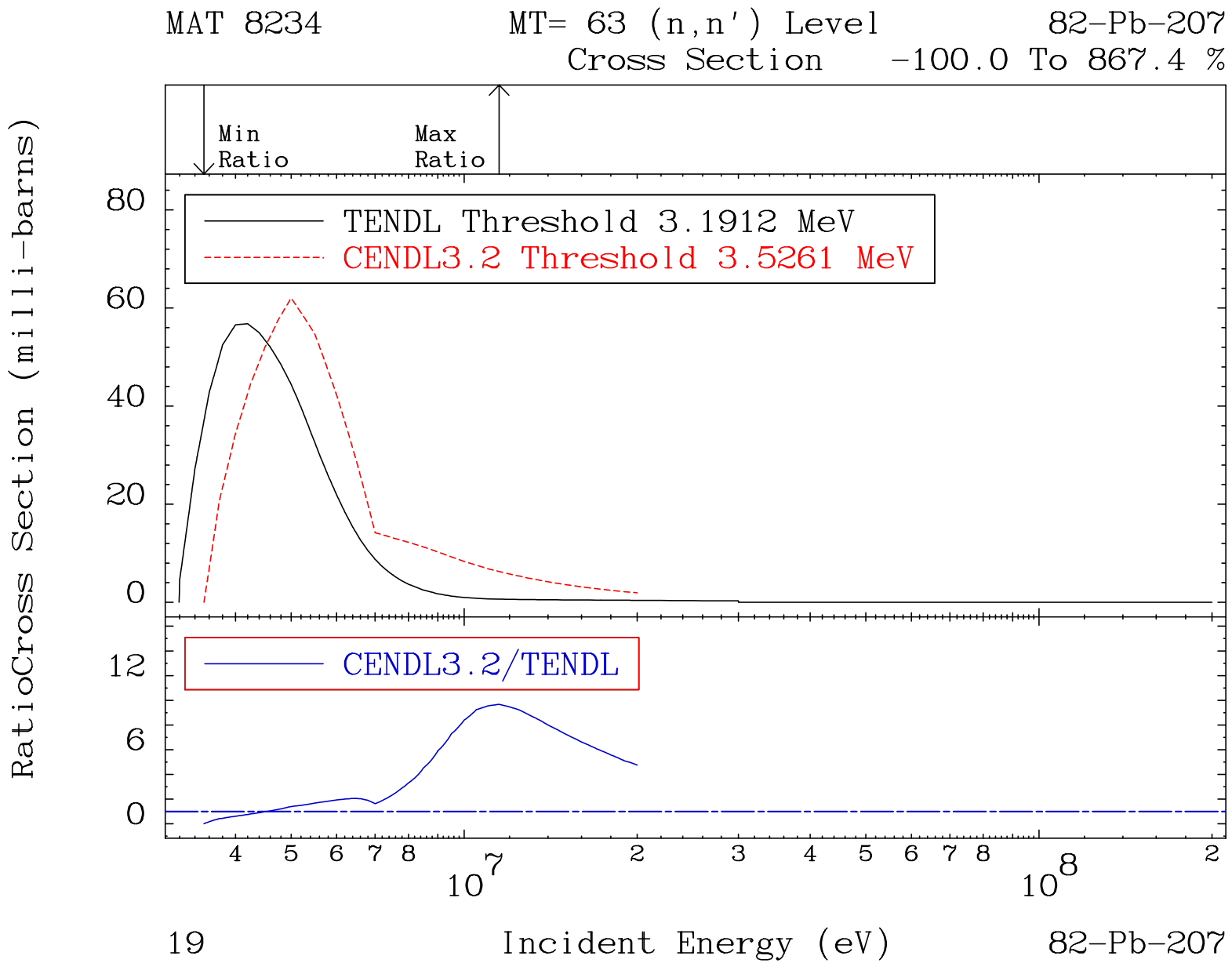

MAT 8234
MT= 58 (n,n') Level
82-Pb-207
Cross Section -100.0 To 1391. %
Min Ratio
Max Ratio
TENDL Threshold 2.7412 MeV
CENDL3.2 Threshold 2.7412 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
20
10
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
14
Incident Energy (eV)
82-Pb-207

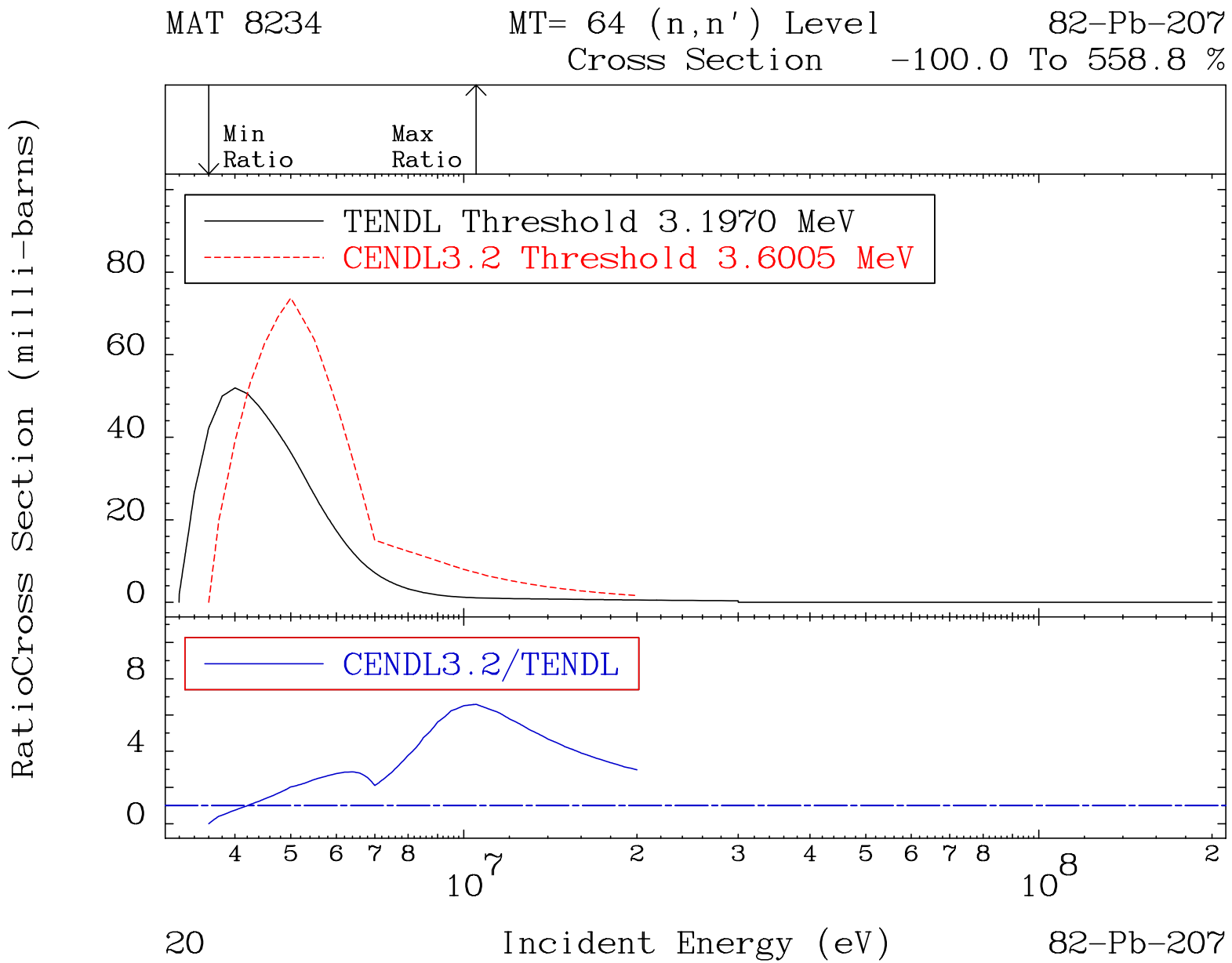

MAT 8234
MT= 59 (n,n') Level
82-Pb-207
Cross Section -100.0 To 1508. %
Min Ratio
Max Ratio
TENDL Threshold 2.9161 MeV
CENDL3.2 Threshold 3.2387 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
20
10
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
15
Incident Energy (eV)
82-Pb-207

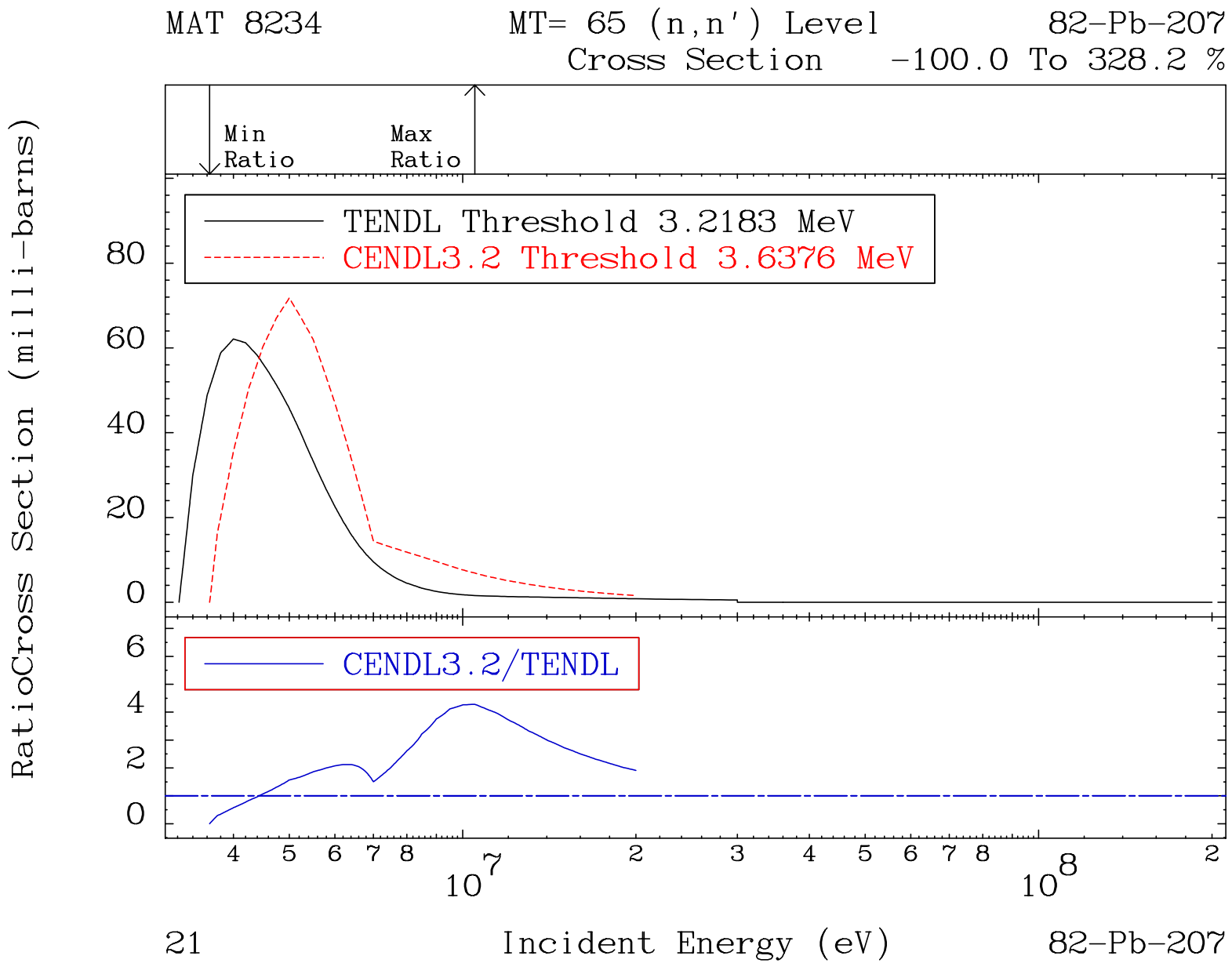

MAT 8234
MT= 60 (n,n') Level
82-Pb-207
Cross Section
-100.0 To 241.1 %
Min Ratio
Max Ratio
TENDL Threshold 2.9232 MeV
CENDL3.2 Threshold 3.3161 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
4
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
16
Incident Energy (eV)
82-Pb-207

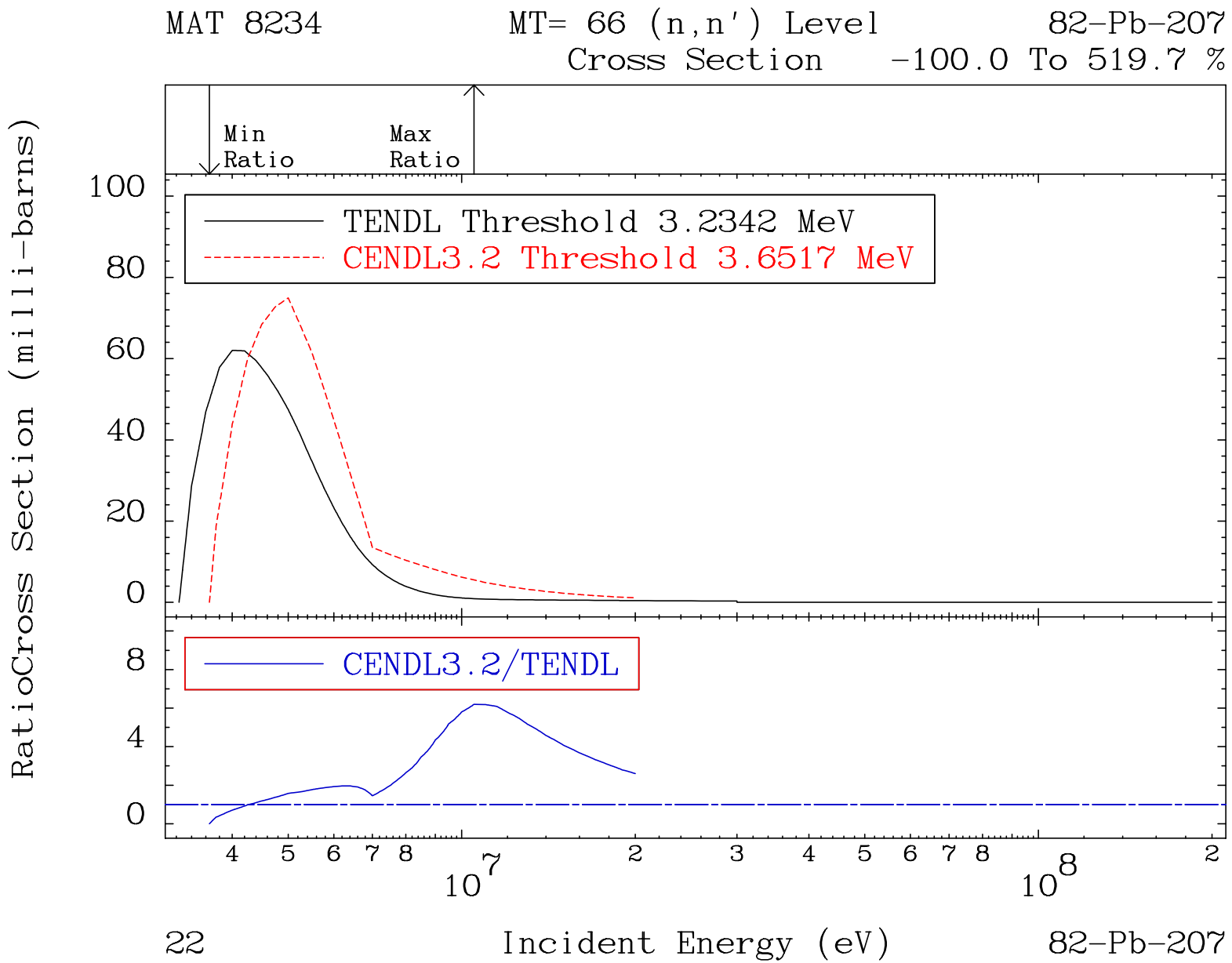

MAT 8234
MT= 61 (n,n') Level
82-Pb-207
Cross Section
-100.0 To 700.9 %
Min Ratio
Max Ratio
TENDL Threshold 3.0186 MeV
CENDL3.2 Threshold 3.4005 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
12
8
4
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
17
Incident Energy (eV)
82-Pb-207

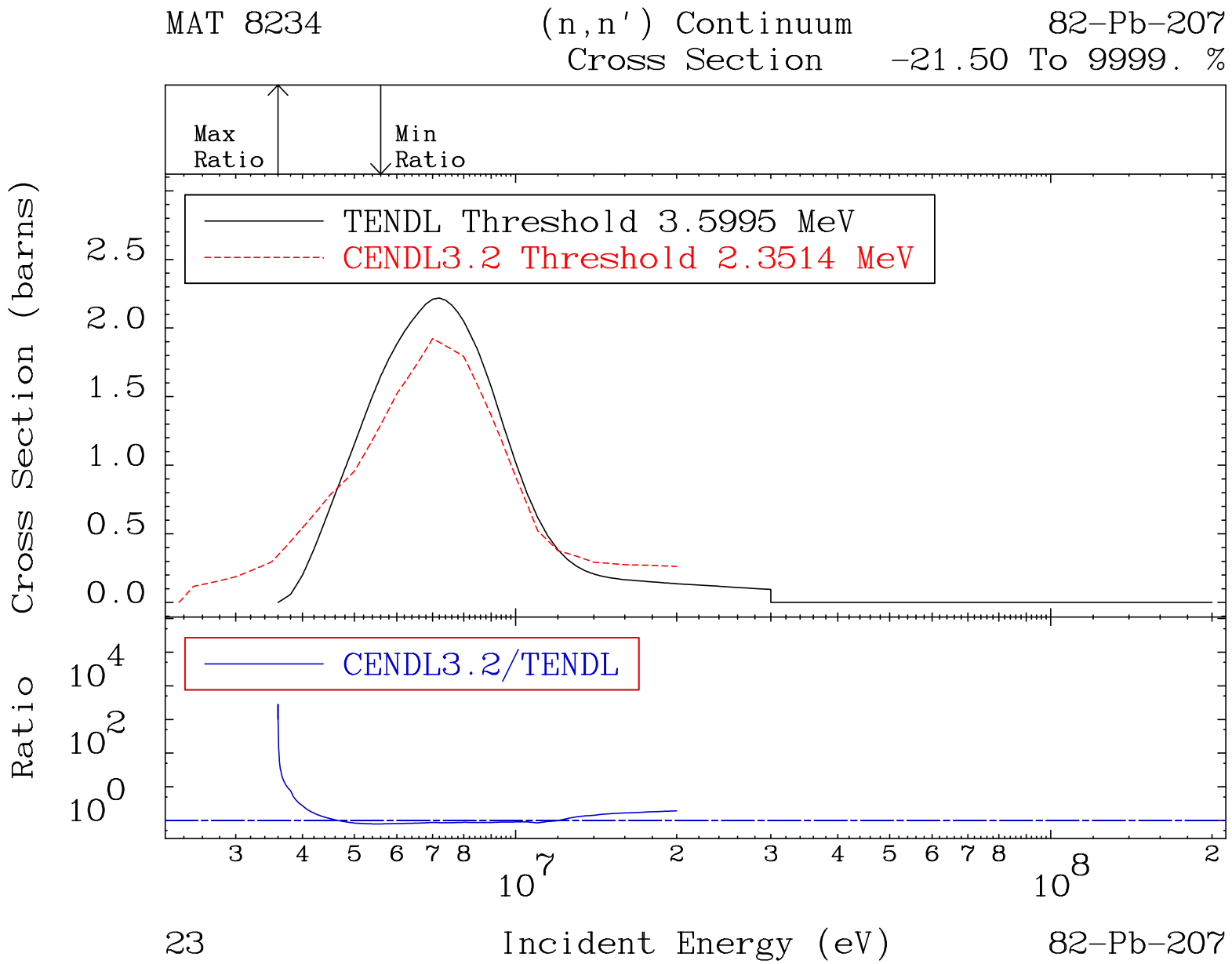

MAT 8234
MT= 62 (n,n') Level
82-Pb-207
Cross Section
-100.0 To 684.1 %
Min Ratio
Max Ratio
TENDL Threshold 3.0719 MeV
CENDL3.2 Threshold 3.4296 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
12
8
4
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
18
82-Pb-207

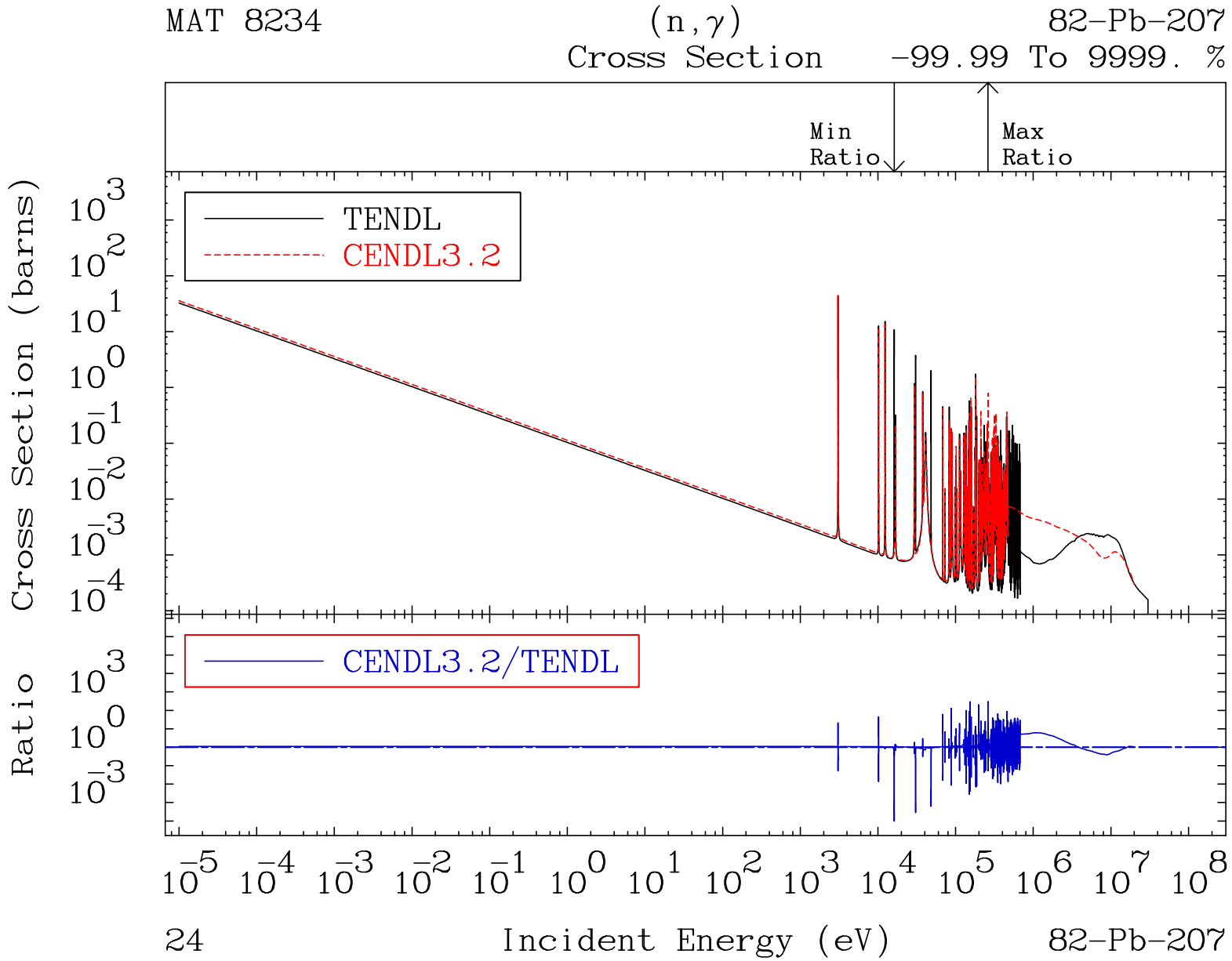

MAT 8234
MT= 63 (n,n') Level
82-Pb-207
Cross Section -100.0 To 867.4 %
Min Ratio
Max Ratio
TENDL Threshold 3.1912 MeV
CENDL3.2 Threshold 3.5261 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
12
6
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
19
Incident Energy (eV)
82-Pb-207

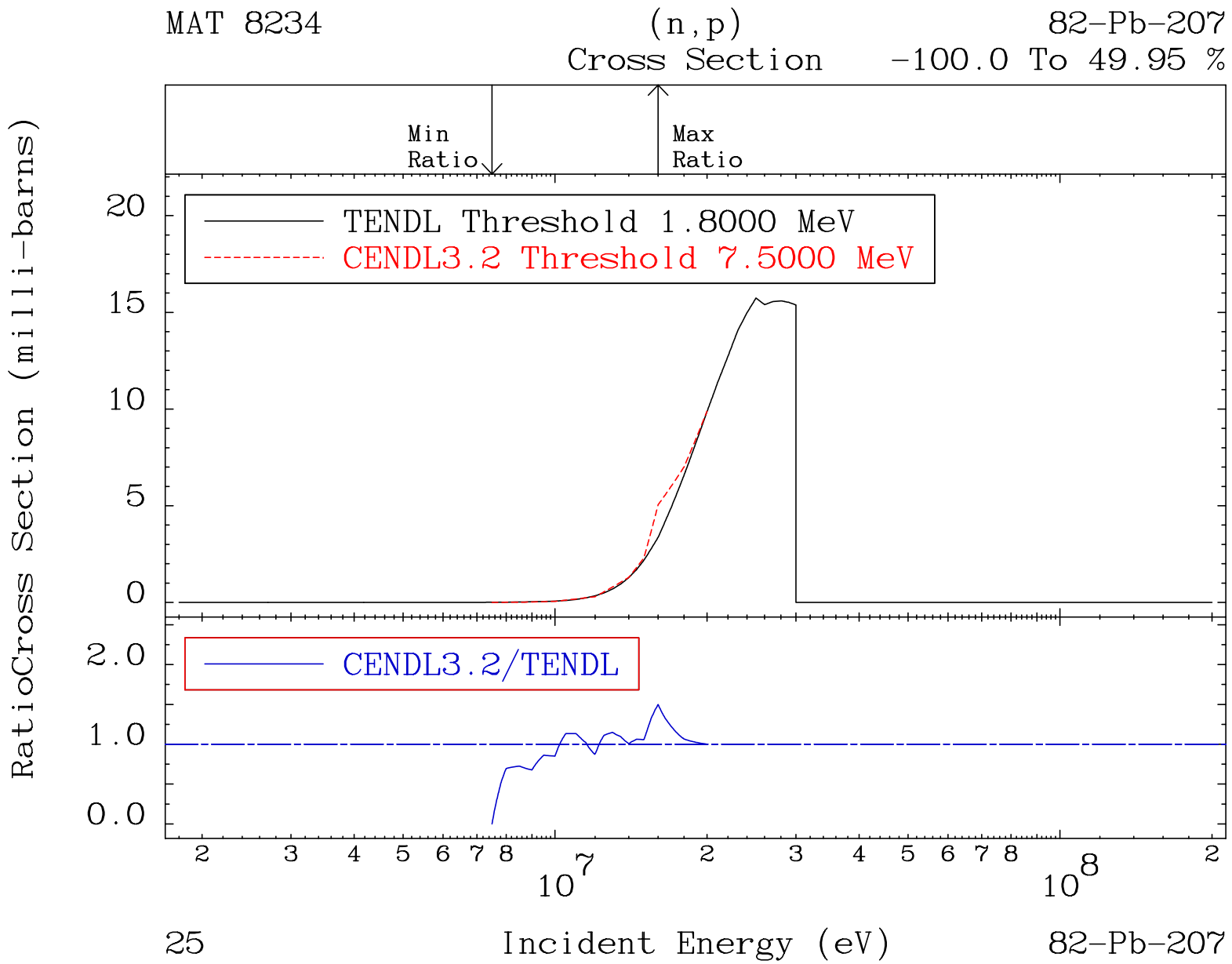

MAT 8234
MT= 64 (n,n') Level
82-Pb-207
Cross Section -100.0 To 558.8 %
Min Ratio
Max Ratio
TENDL Threshold 3.1970 MeV
CENDL3.2 Threshold 3.6005 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
8
4
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
82-Pb-207

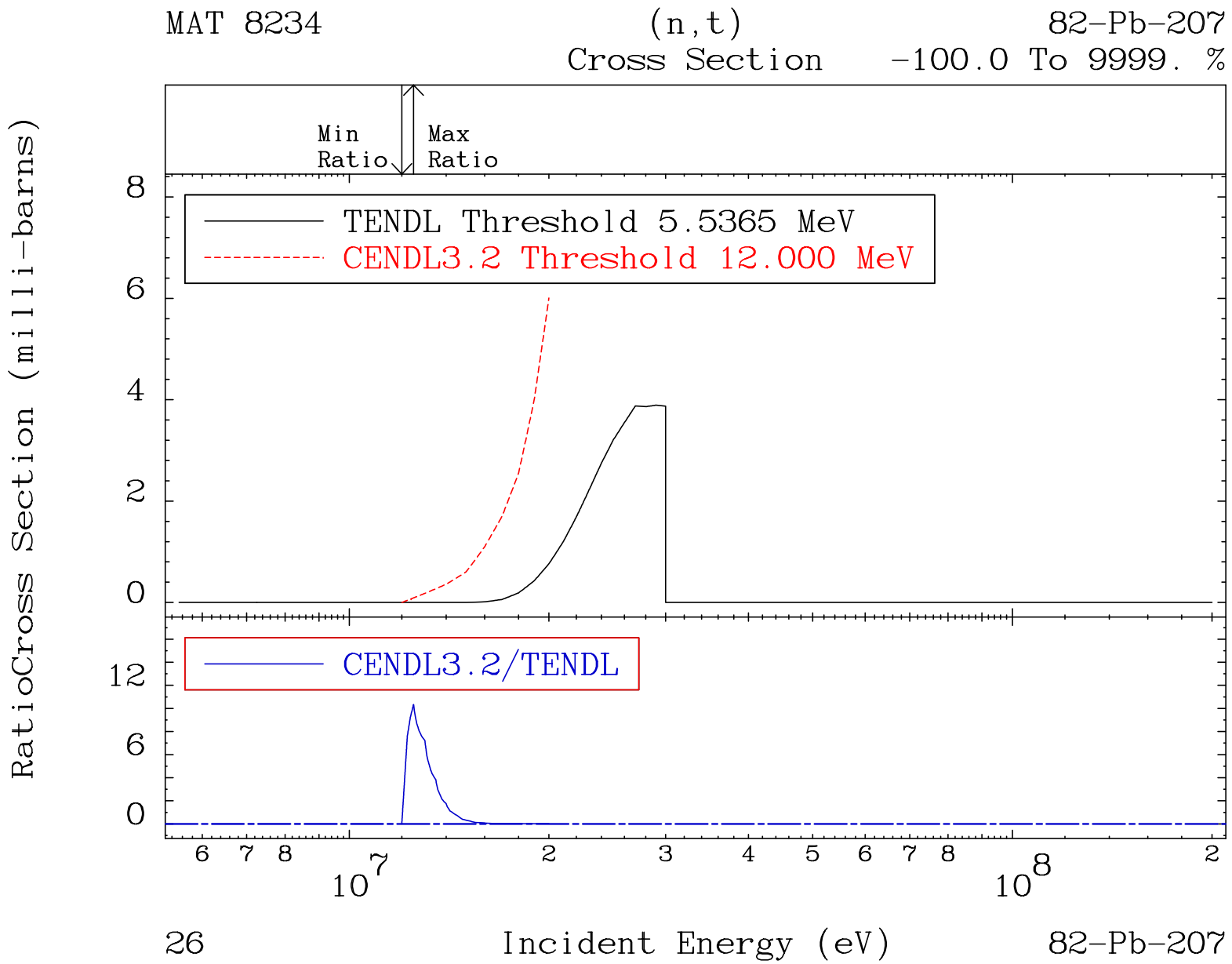

MAT 8234
MT= 65 (n,n') Level
82-Pb-207
Cross Section
-100.0 To 328.2 %
Min Ratio
Max Ratio
TENDL Threshold 3.2183 MeV
CENDL3.2 Threshold 3.6376 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
6
4
2
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
82-Pb-207

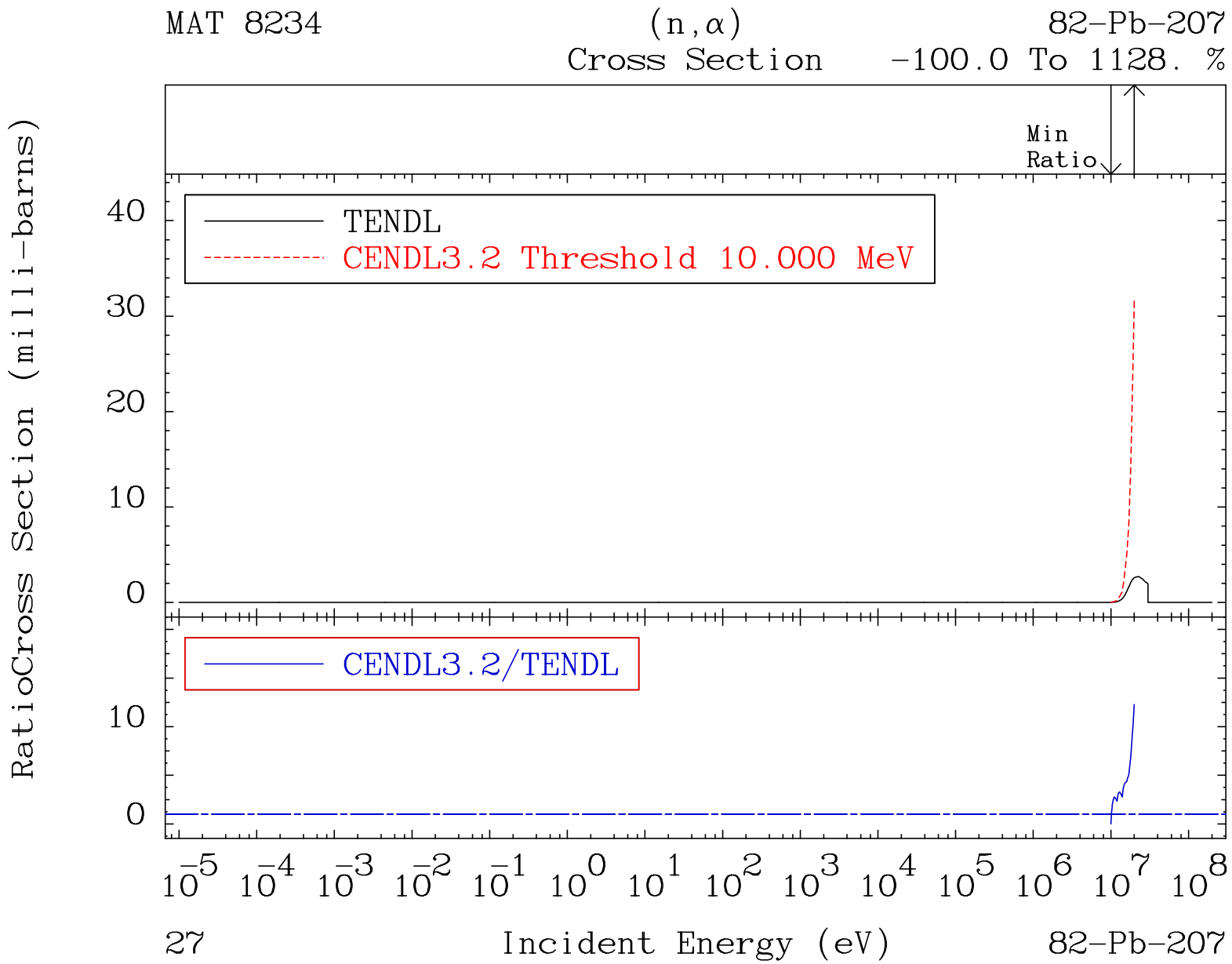

MAT 8234
MT= 66 (n,n') Level
82-Pb-207
Cross Section -100.0 To 519.7 %
Min Ratio
Max Ratio
TENDL Threshold 3.2342 MeV
CENDL3.2 Threshold 3.6517 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
8
4
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
82-Pb-207

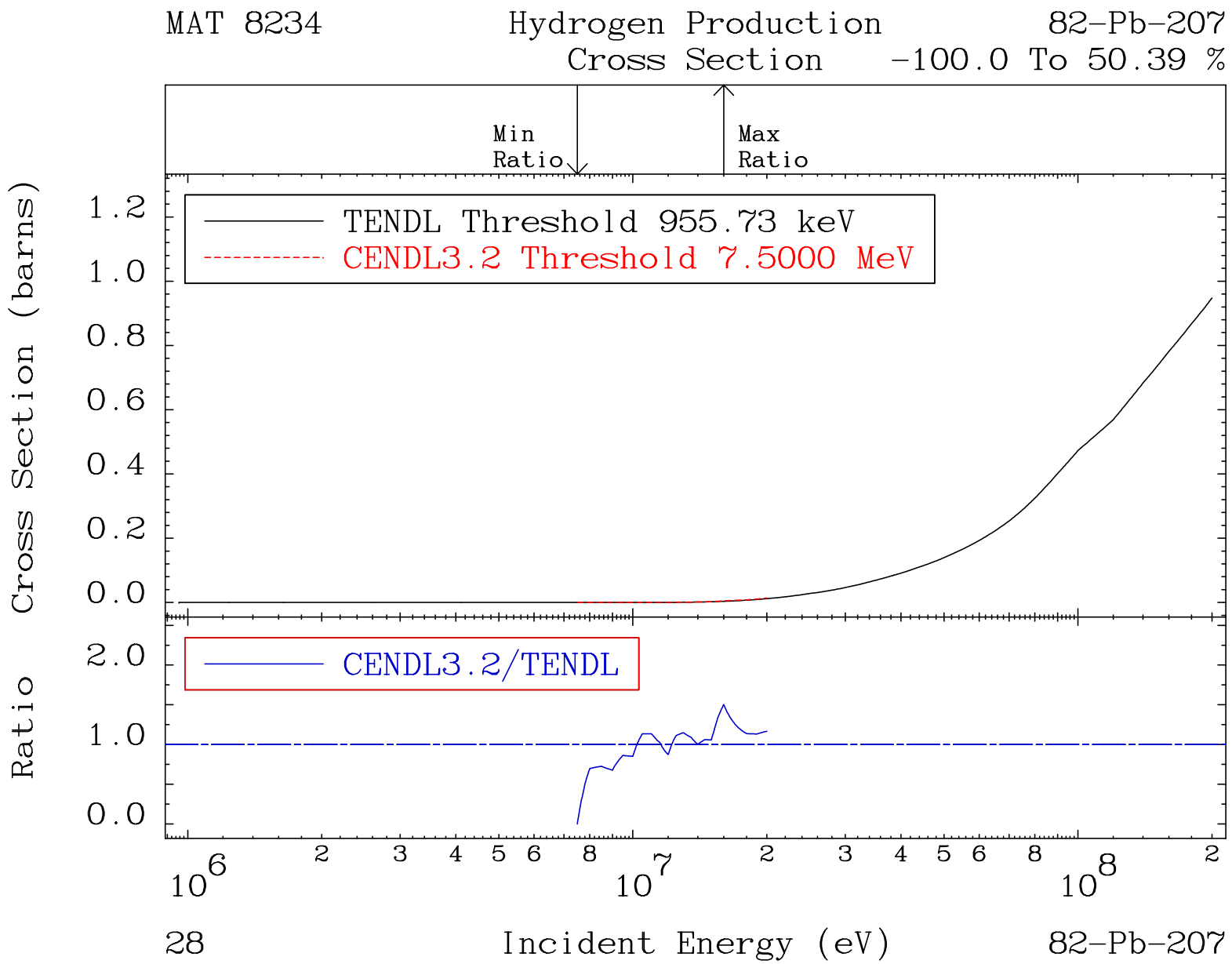

MAT 8234
(n,n') Continuum
Cross Section
82-Pb-207
-21.50 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.5995 MeV
CENDL3.2 Threshold 2.3514 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
CENDL3.2/TENDL
Ratio
10^4
10^2
10^0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
82-Pb-207

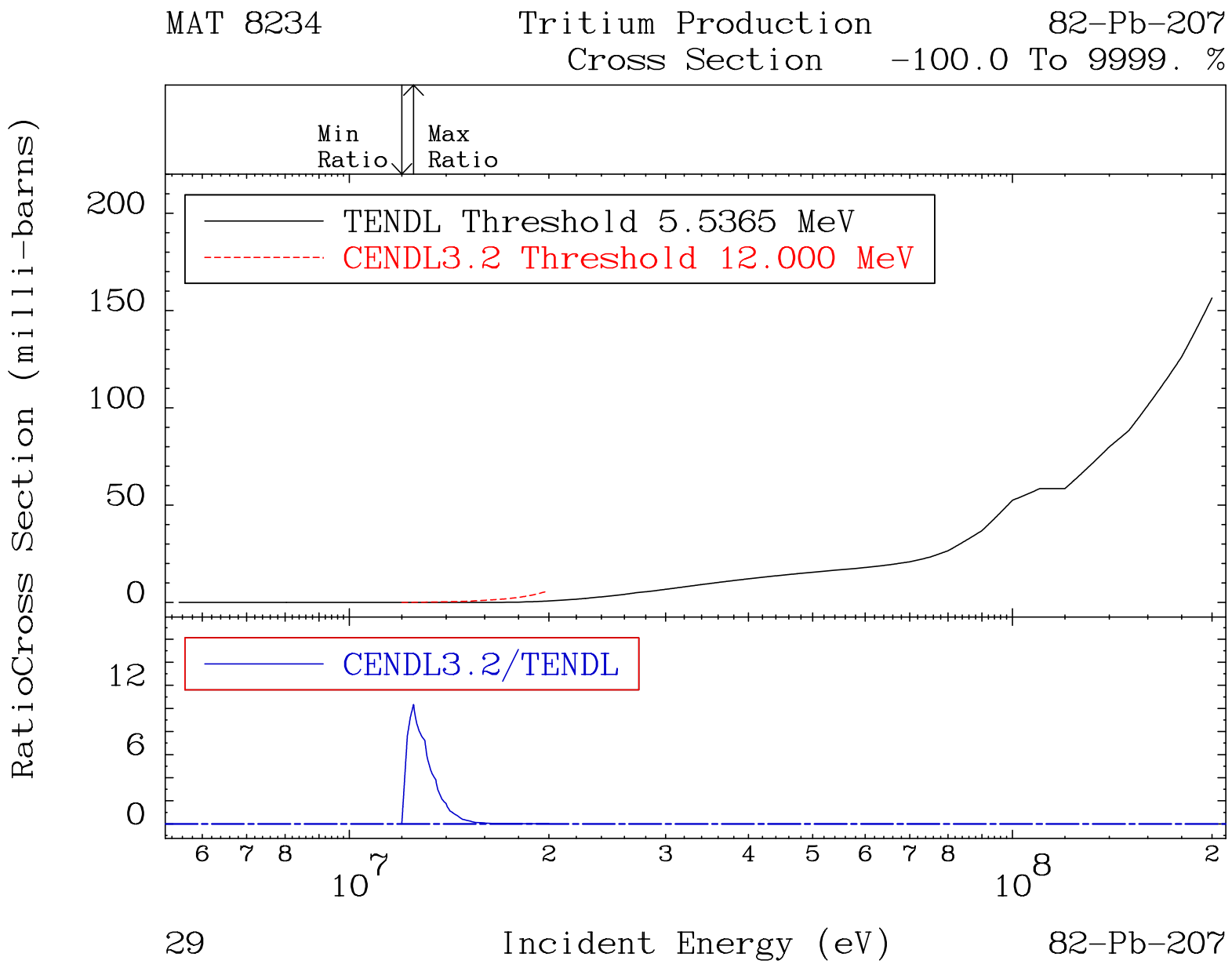

MAT 8234
(n,γ)
Cross Section
82-Pb-207
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
24
82-Pb-207

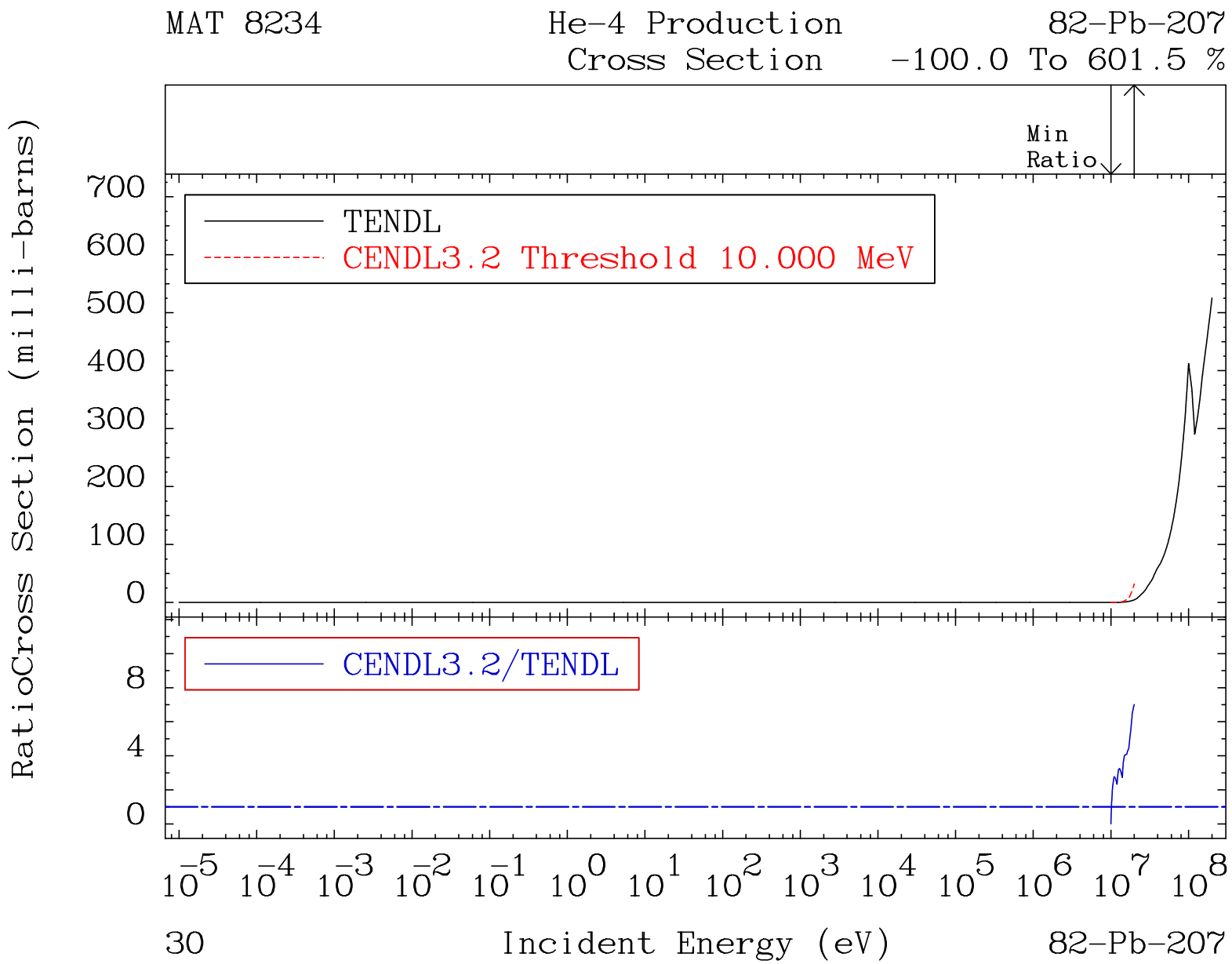

MAT 8234
(n,p)
Cross Section
82-Pb-207
-100.0 To 49.95 %
Min Ratio
Max Ratio
TENDL Threshold 1.8000 MeV
CENDL3.2 Threshold 7.5000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
82-Pb-207

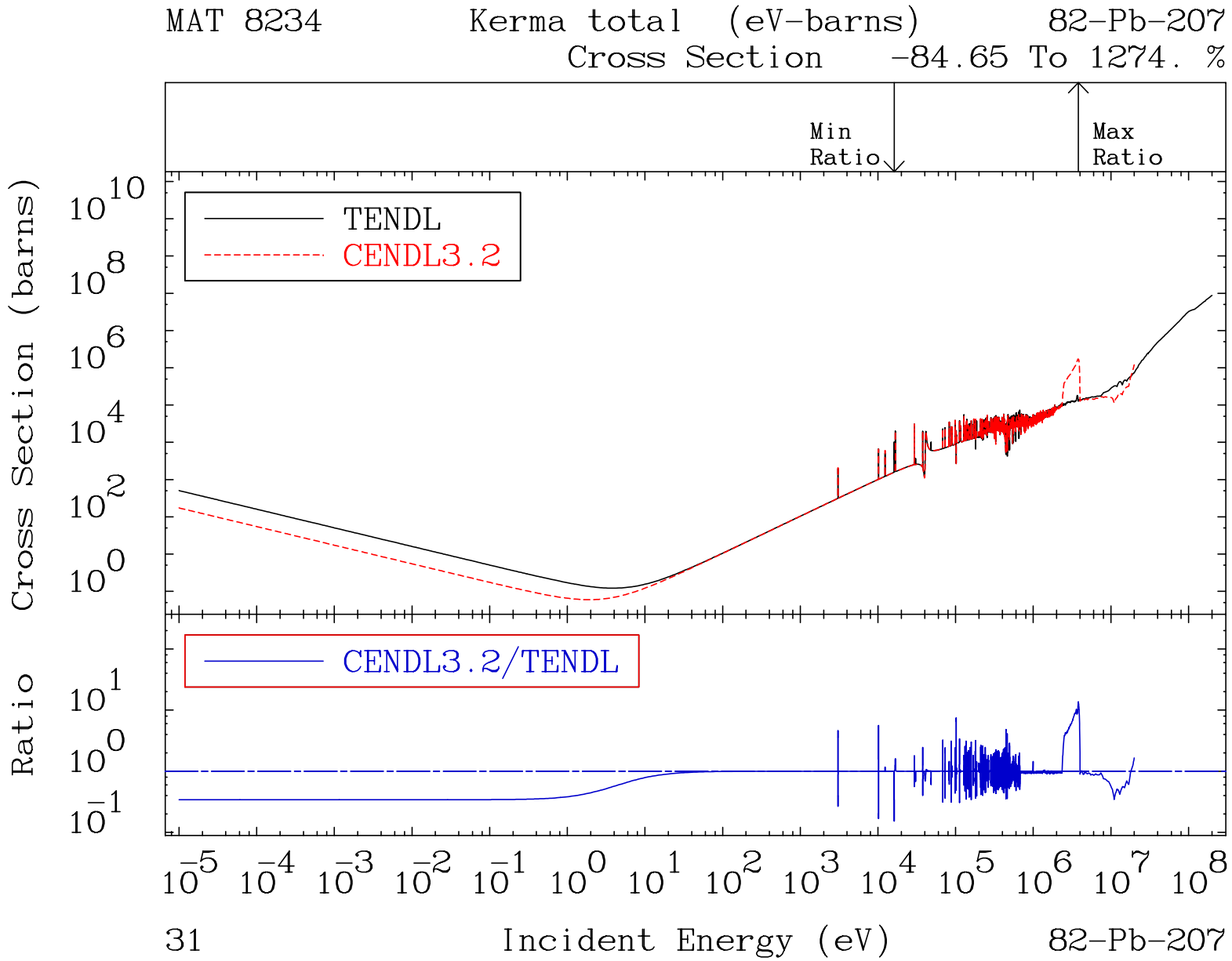

MAT 8234
(n,t)
Cross Section
82-Pb-207
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.5365 MeV
CENDL3.2 Threshold 12.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
26
82-Pb-207

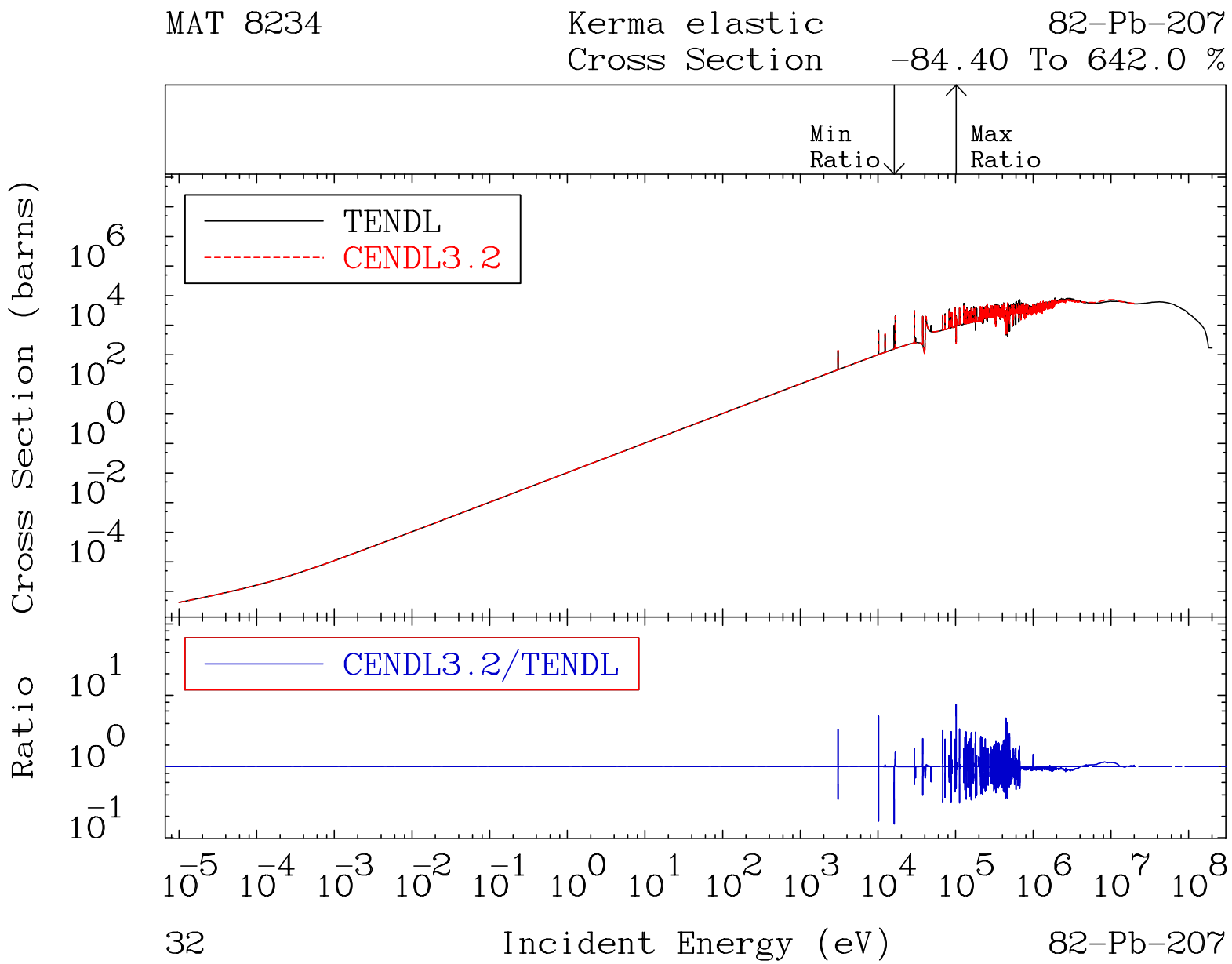

MAT 8234
(n,α)
82-Pb-207
Cross Section
-100.0 To 1128. %
Min
Ratio
TENDL
CENDL3.2 Threshold 10.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
10
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
27
Incident Energy (eV)
82-Pb-207

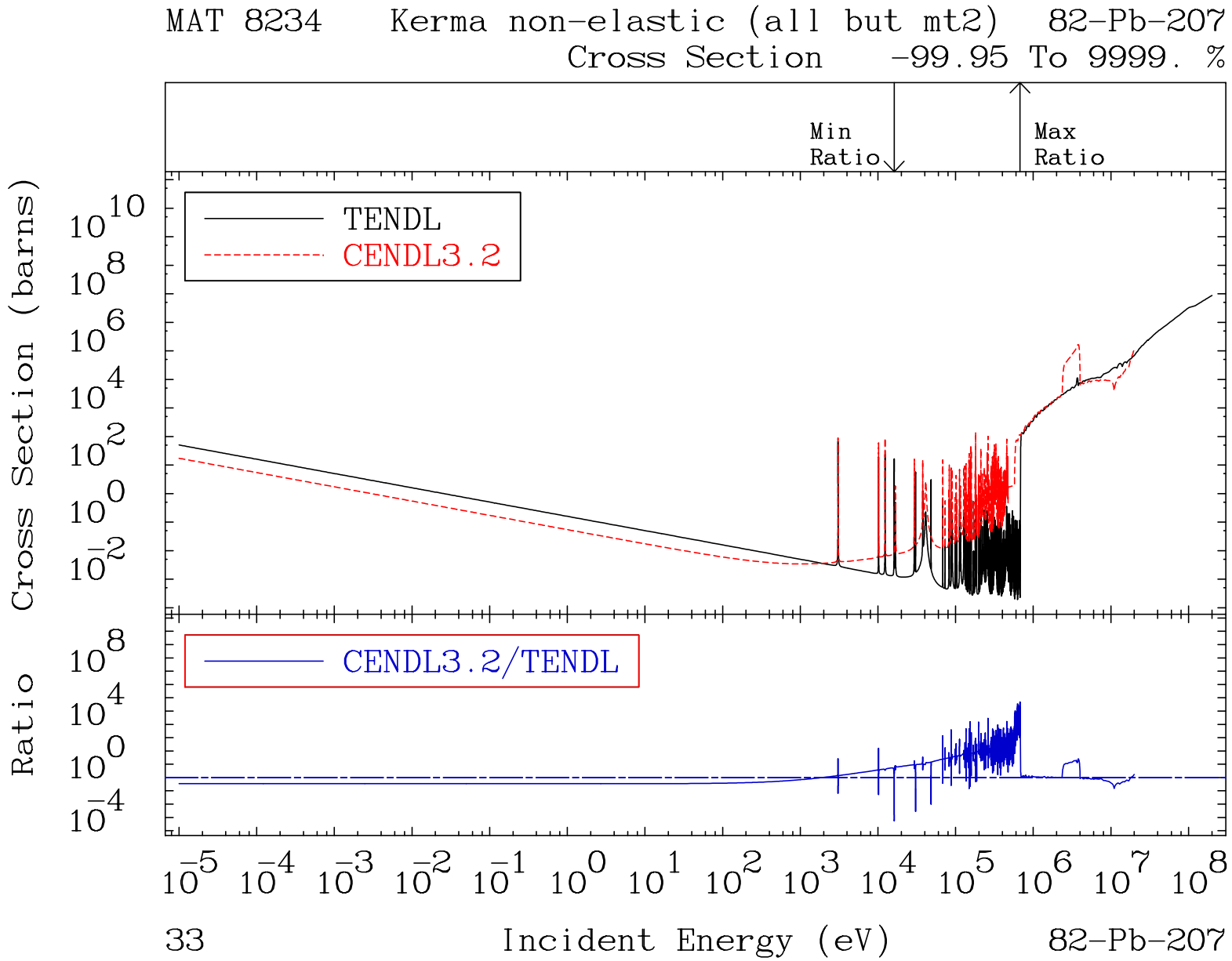

MAT 8234
Hydrogen Production
82-Pb-207
Cross Section
-100.0 To 50.39 %
Min Ratio
Max Ratio
TENDL Threshold 955.73 keV
CENDL3.2 Threshold 7.5000 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
10^6
10^7
10^8
Incident Energy (eV)
28
82-Pb-207

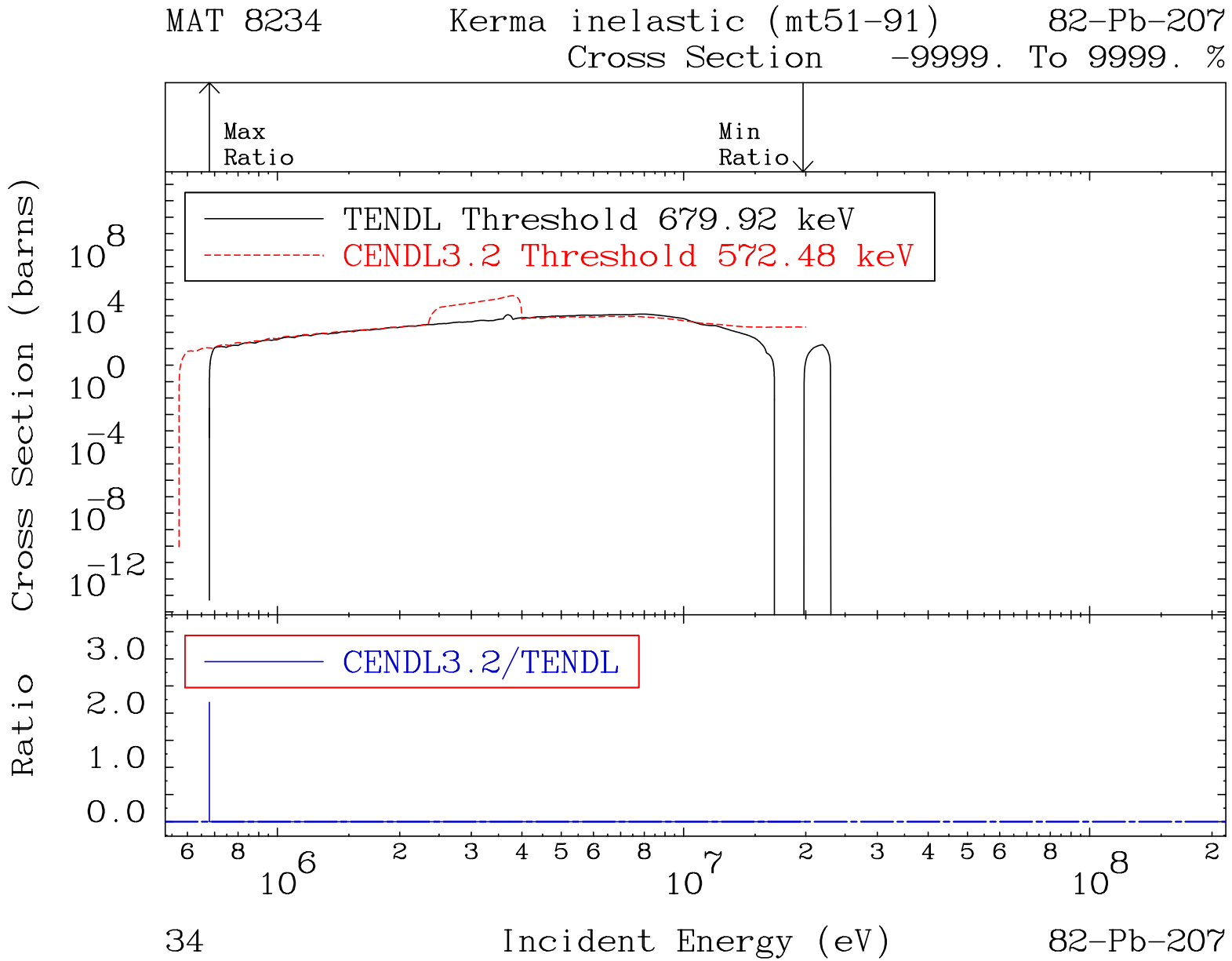

MAT 8234
Tritium Production
82-Pb-207
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.5365 MeV
CENDL3.2 Threshold 12.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
12
6
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
82-Pb-207

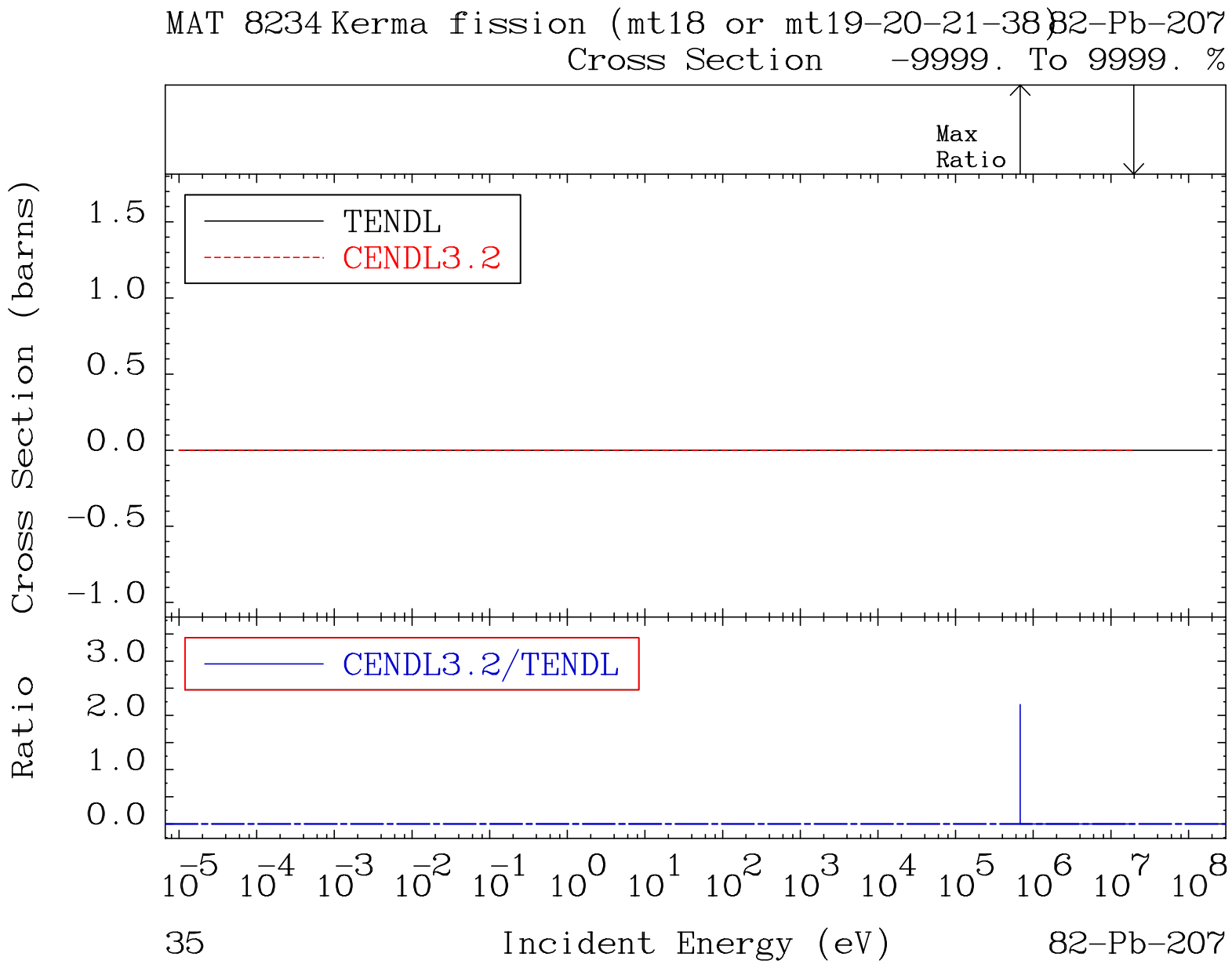

MAT 8234
He-4 Production
Cross Section
82-Pb-207
-100.0 To 601.5 %
Min
Ratio
TENDL
CENDL3.2 Threshold 10.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
700
600
500
400
300
200
100
0
8
4
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
30
Incident Energy (eV)
82-Pb-207

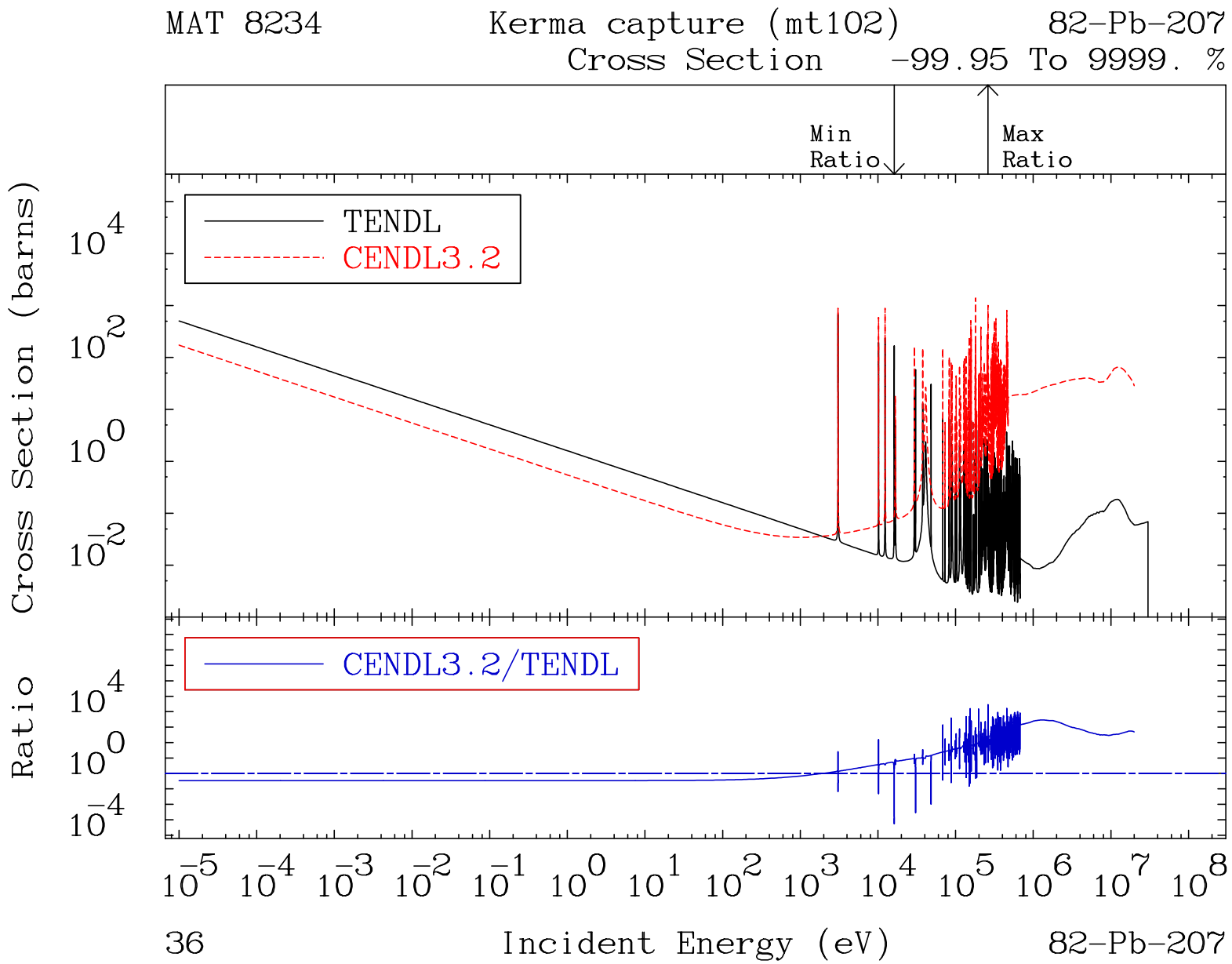

MAT 8234
Kerma total (eV-barns)
82-Pb-207
Cross Section -84.65 To 1274. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
31
82-Pb-207

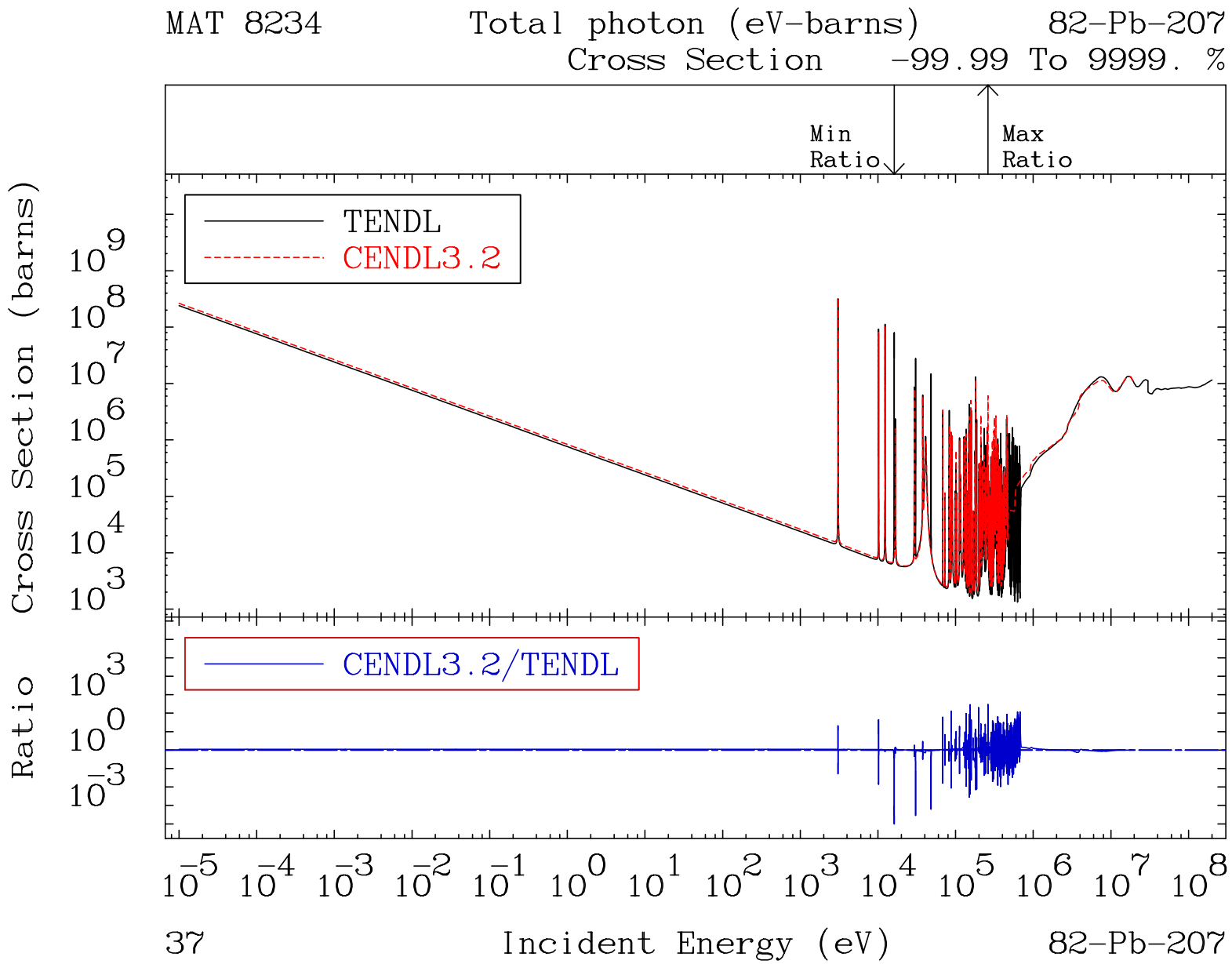

MAT 8234
Kerma elastic
Cross Section
82-Pb-207
-84.40 To 642.0 %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
32
82-Pb-207

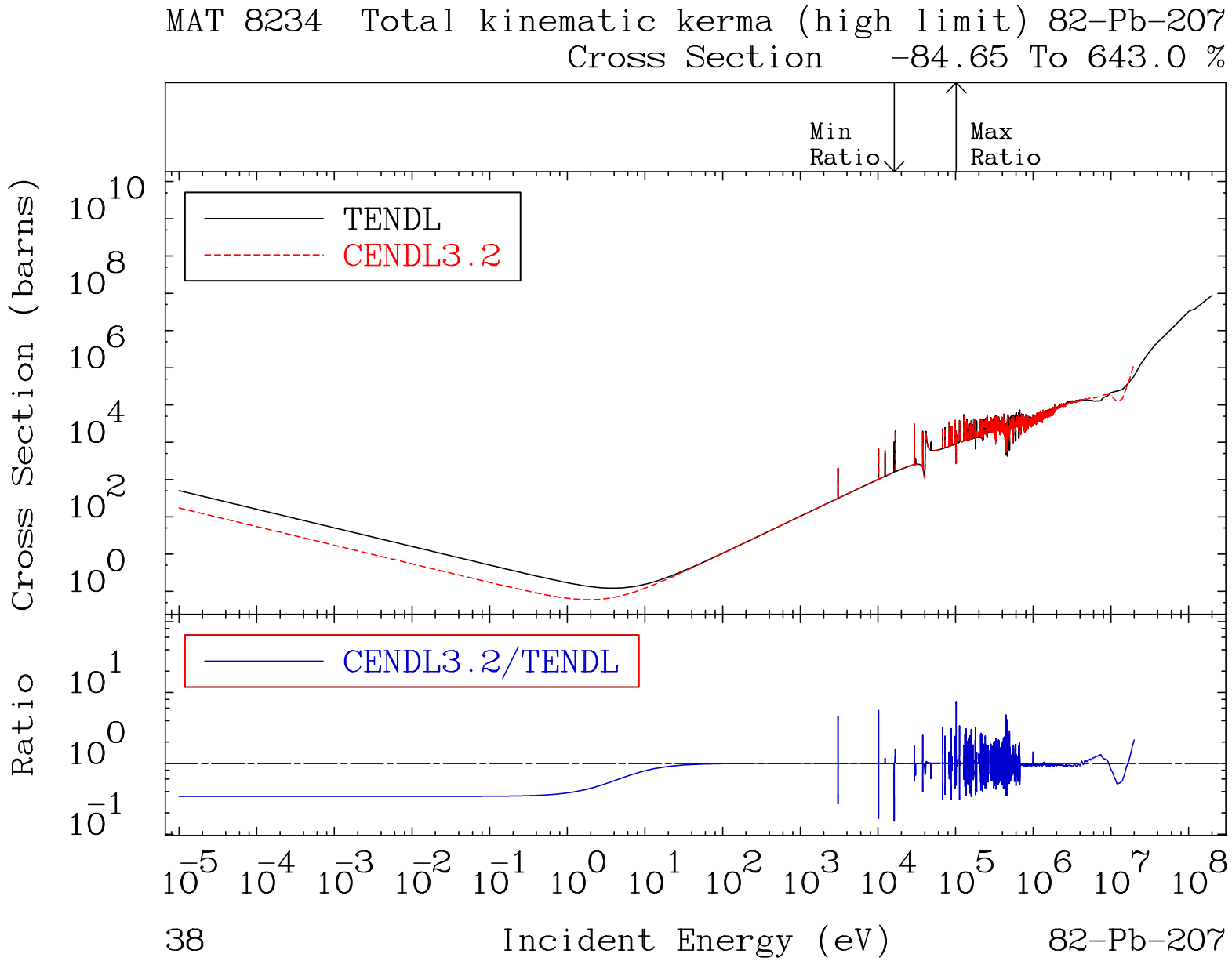

MAT 8234 Kerma non-elastic (all but mt2) 82-Pb-207
Cross Section -99.95 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
33
82-Pb-207

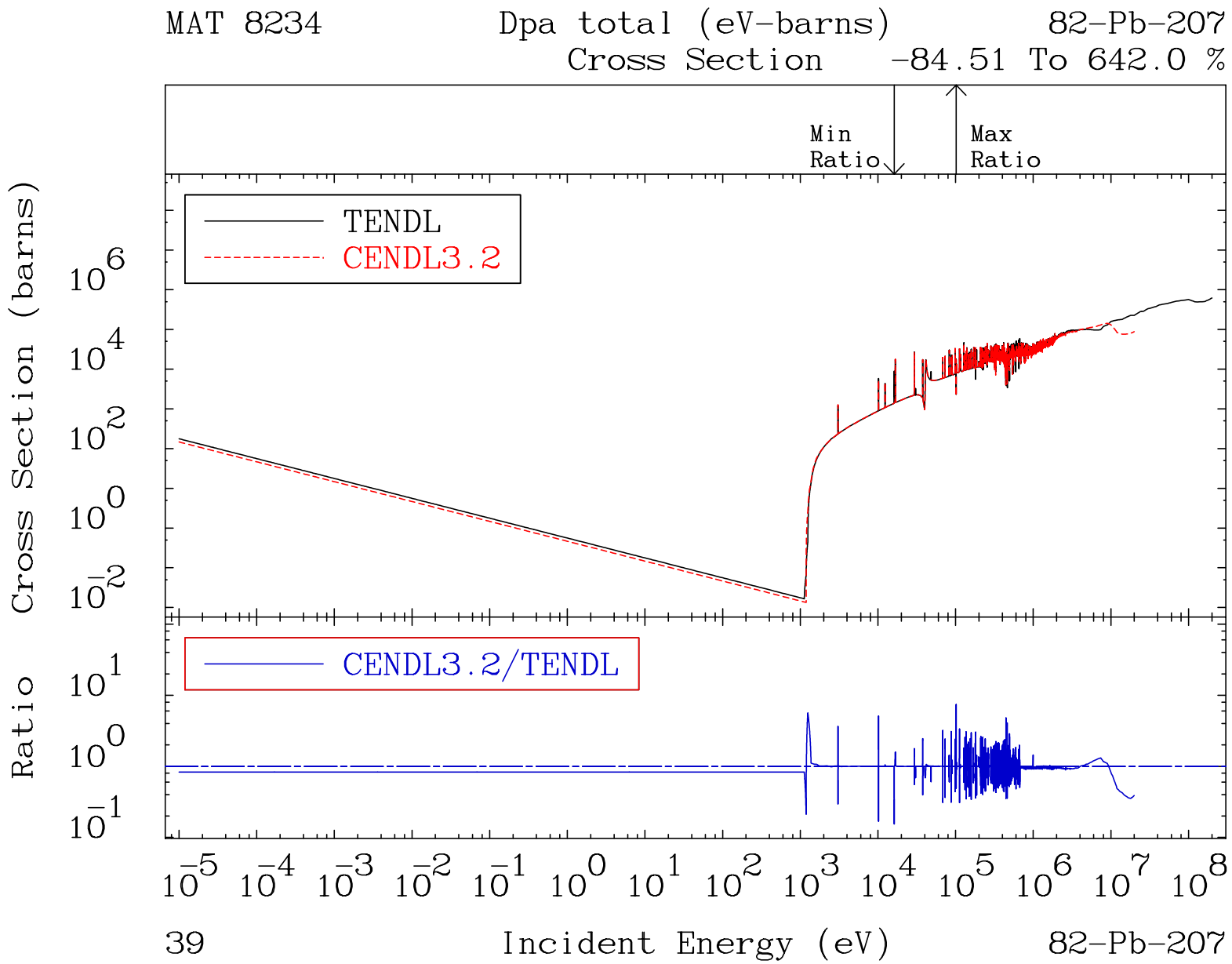

MAT 8234
Kerma inelastic (mt51-91)
82-Pb-207
Cross Section -9999. To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 679.92 keV
CENDL3.2 Threshold 572.48 keV
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
34
82-Pb-207

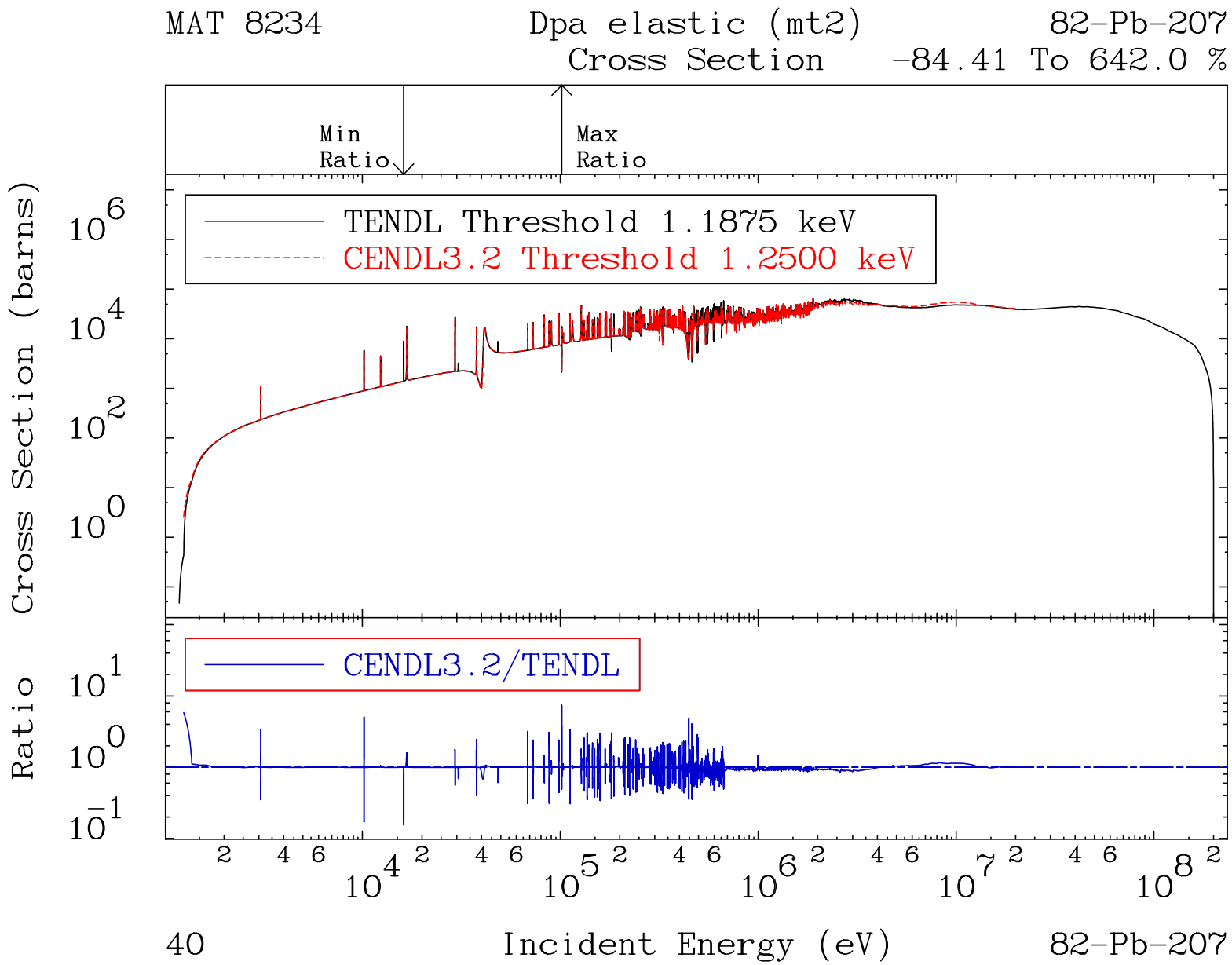

MAT 8234 Kerma fission (mt18 or mt19-20-21-38) 82-Pb-207
Cross Section -9999. To 9999. %
Max
Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
3.0
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
35
Incident Energy (eV)
82-Pb-207

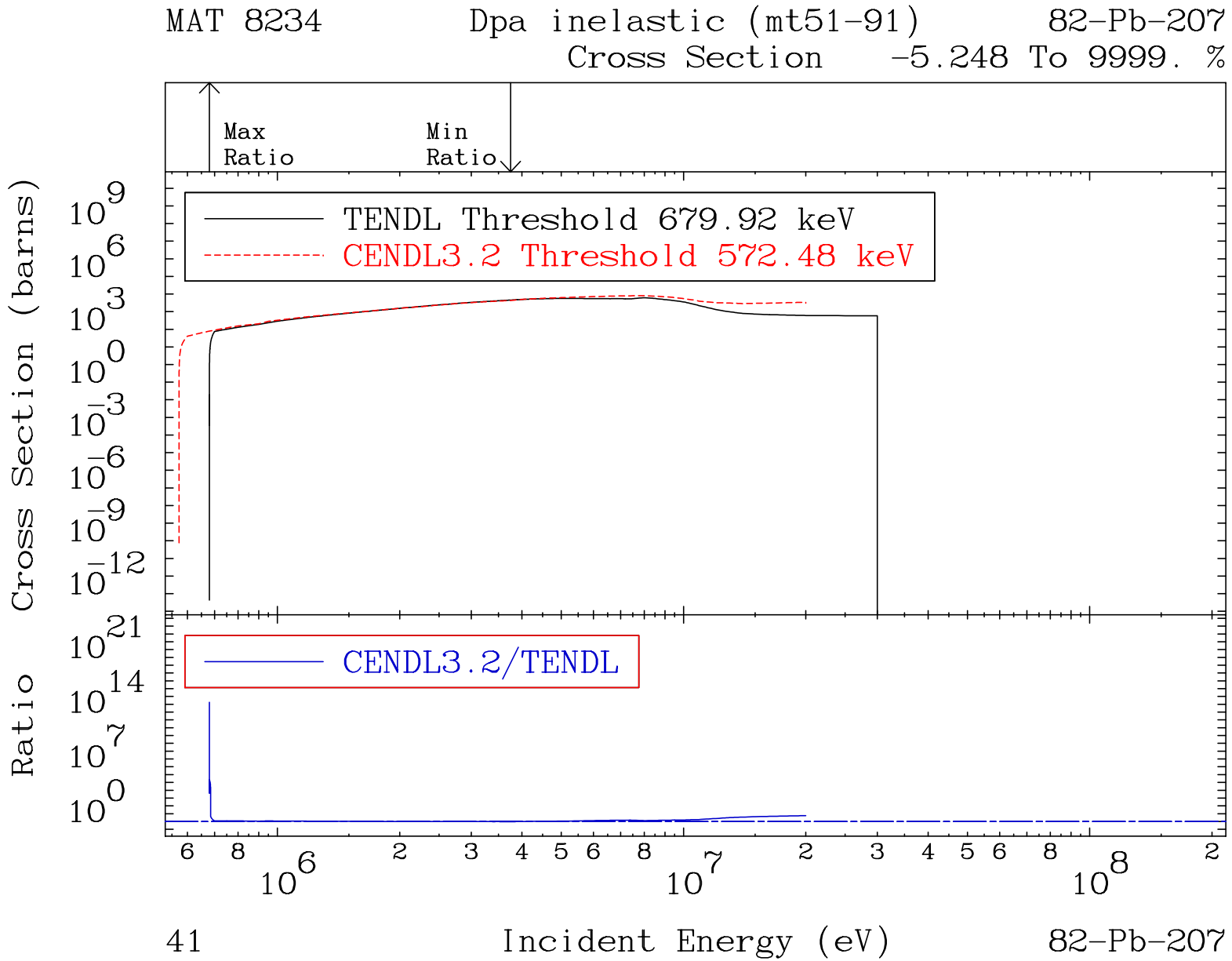

MAT 8234
Kerma capture (mt102)
82-Pb-207
Cross Section -99.95 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
36
82-Pb-207

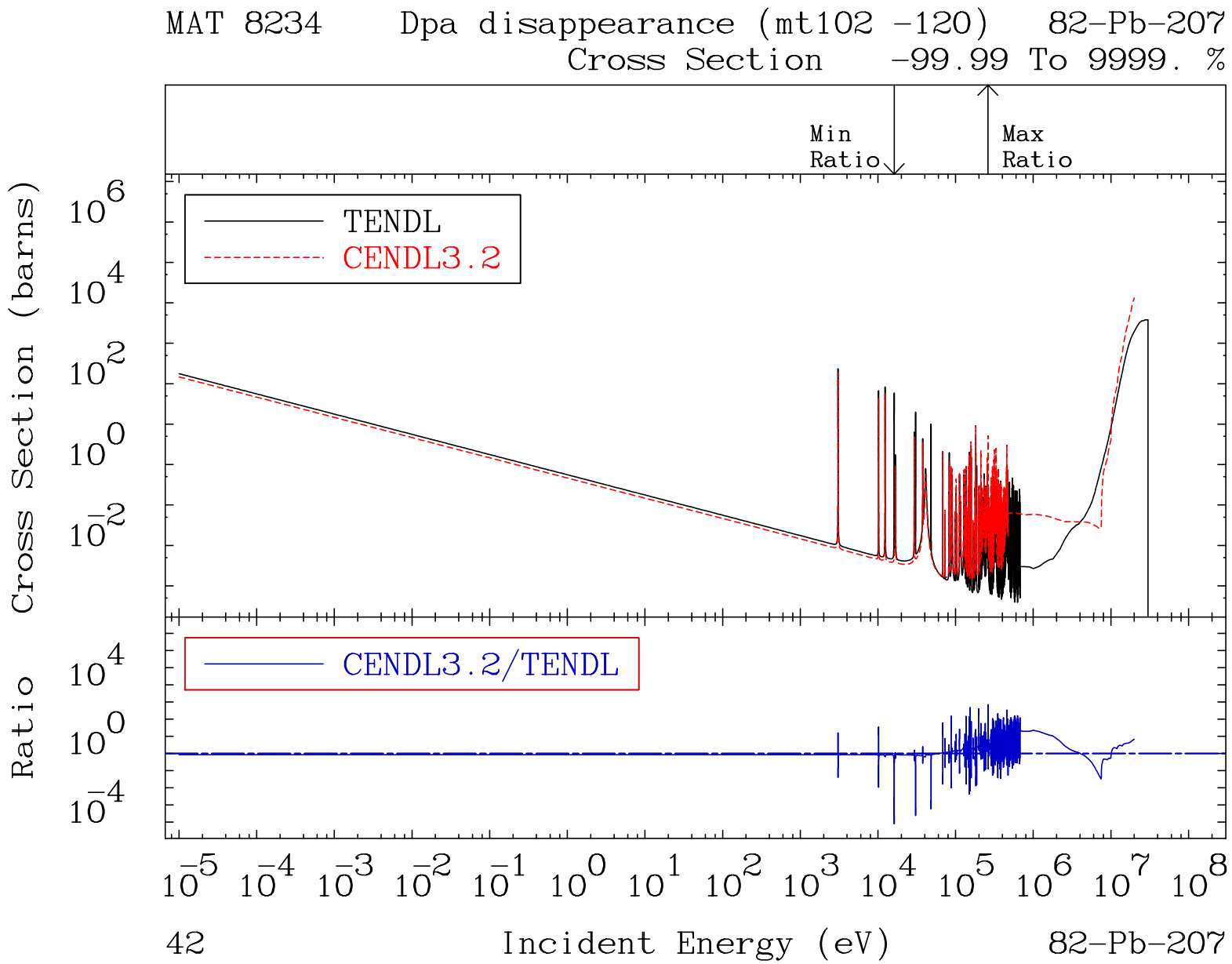

MAT 8234
Total photon (eV-barns)
82-Pb-207
Cross Section
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
37
82-Pb-207

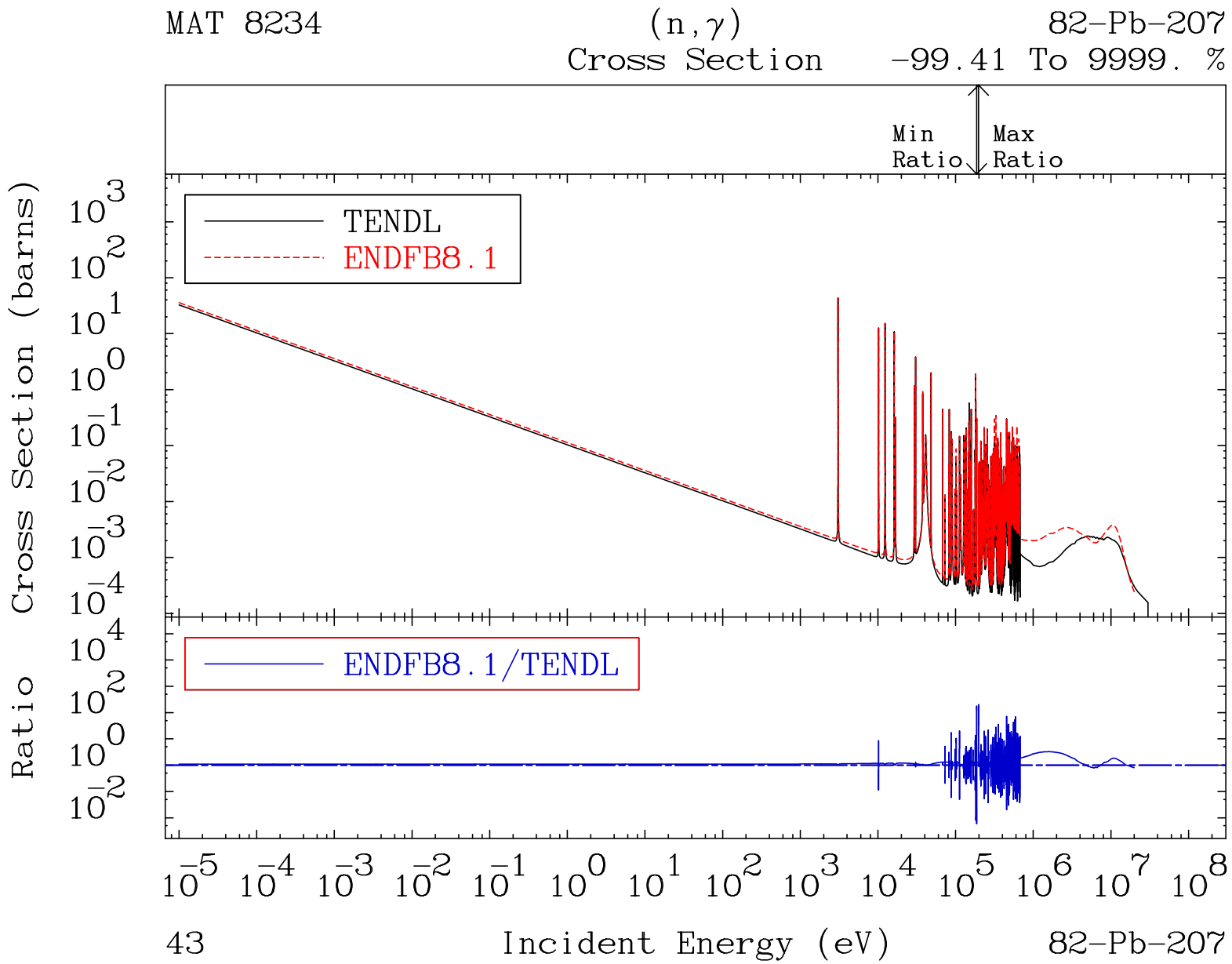

MAT 8234 Total kinematic kerma (high limit) 82-Pb-207
Cross Section -84.65 To 643.0 %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
38
82-Pb-207

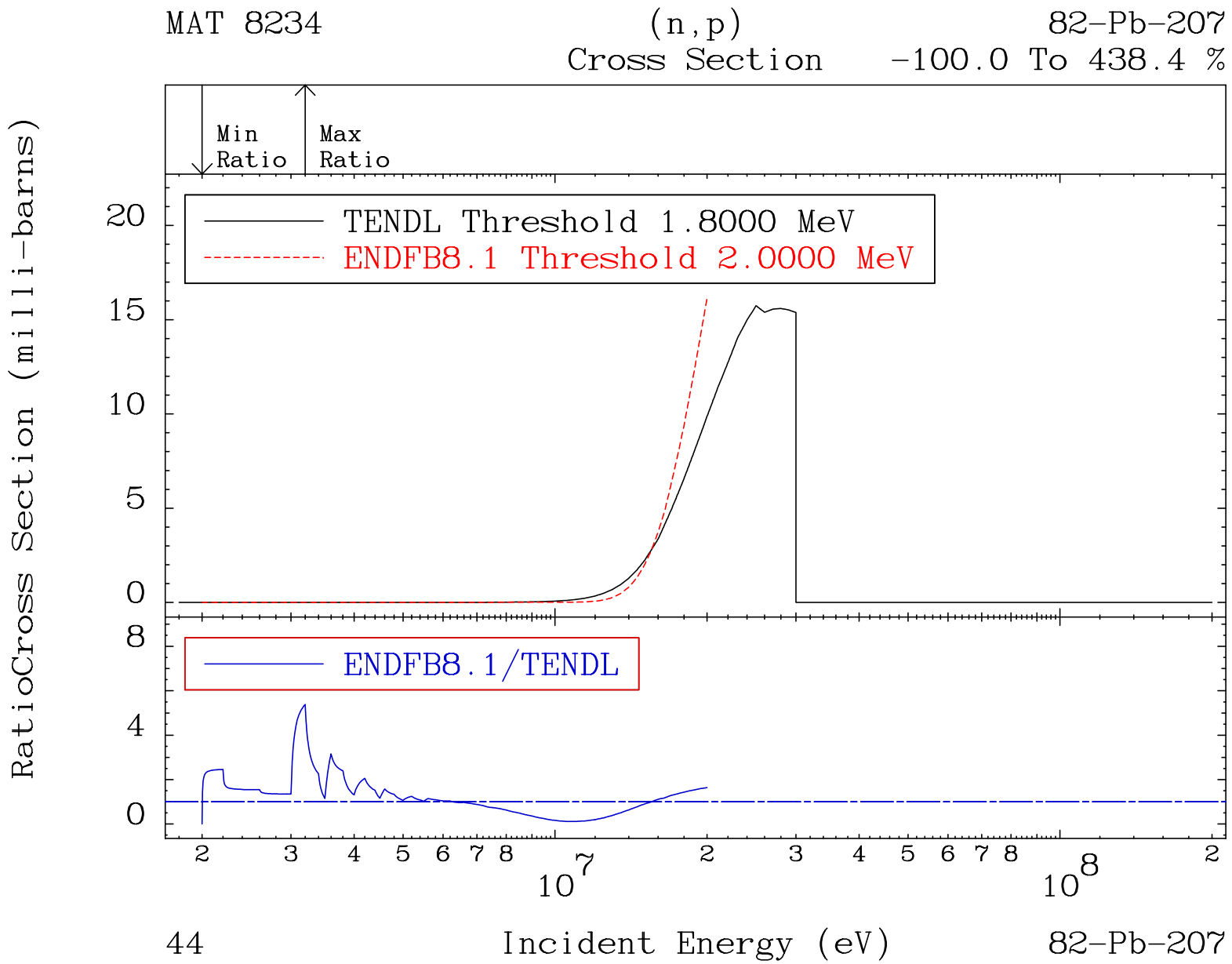

MAT 8234
Dpa total (eV-barns)
82-Pb-207
Cross Section -84.51 To 642.0 %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
39
82-Pb-207

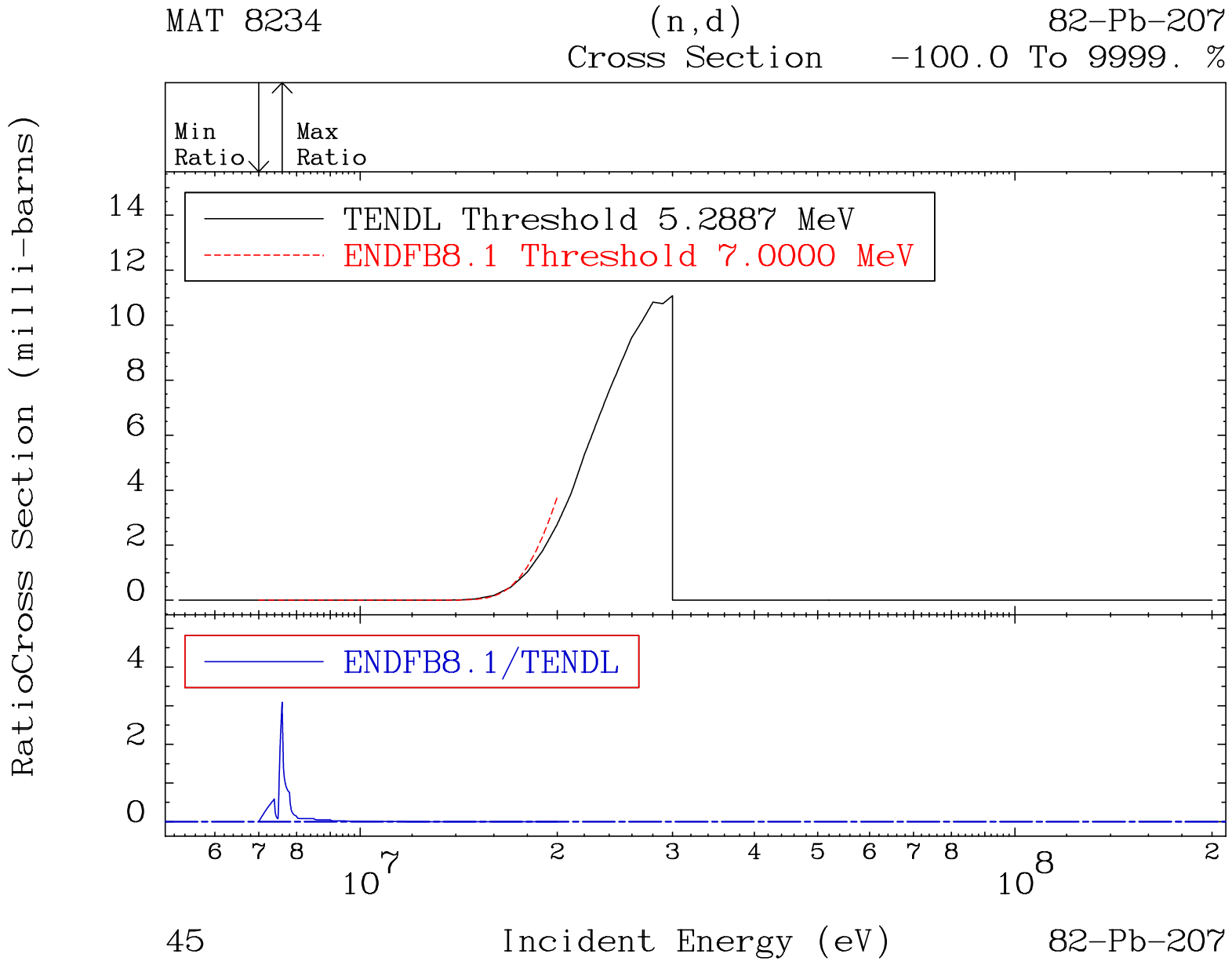

MAT 8234
Dpa elastic (mt2)
Cross Section
82-Pb-207
-84.41 To 642.0 %
Min Ratio
Max Ratio
TENDL Threshold 1.1875 keV
CENDL3.2 Threshold 1.2500 keV
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
40
82-Pb-207

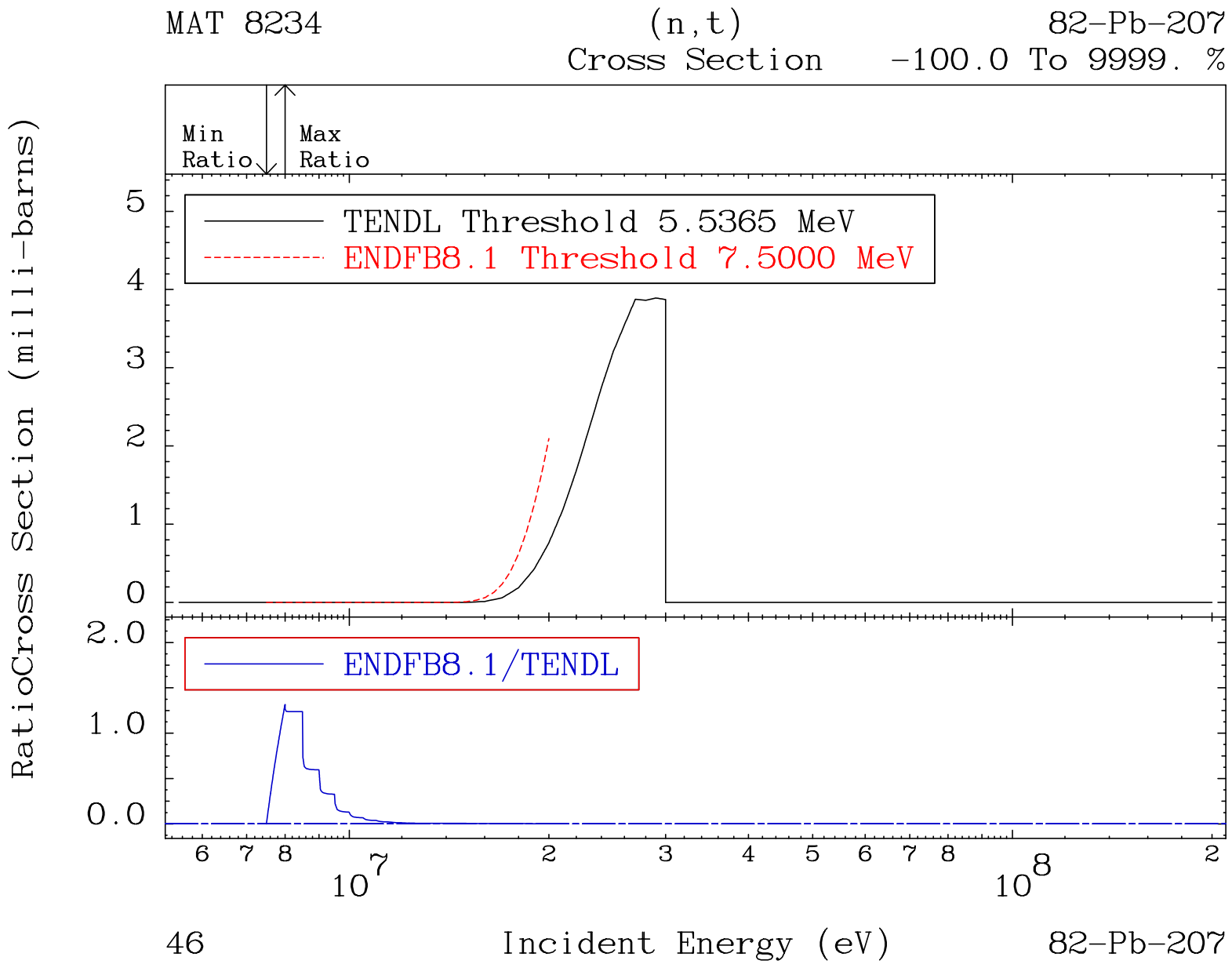

MAT 8234
Dpa inelastic (mt51-91)
82-Pb-207
Cross Section
-5.248 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 679.92 keV
CENDL3.2 Threshold 572.48 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
41
82-Pb-207

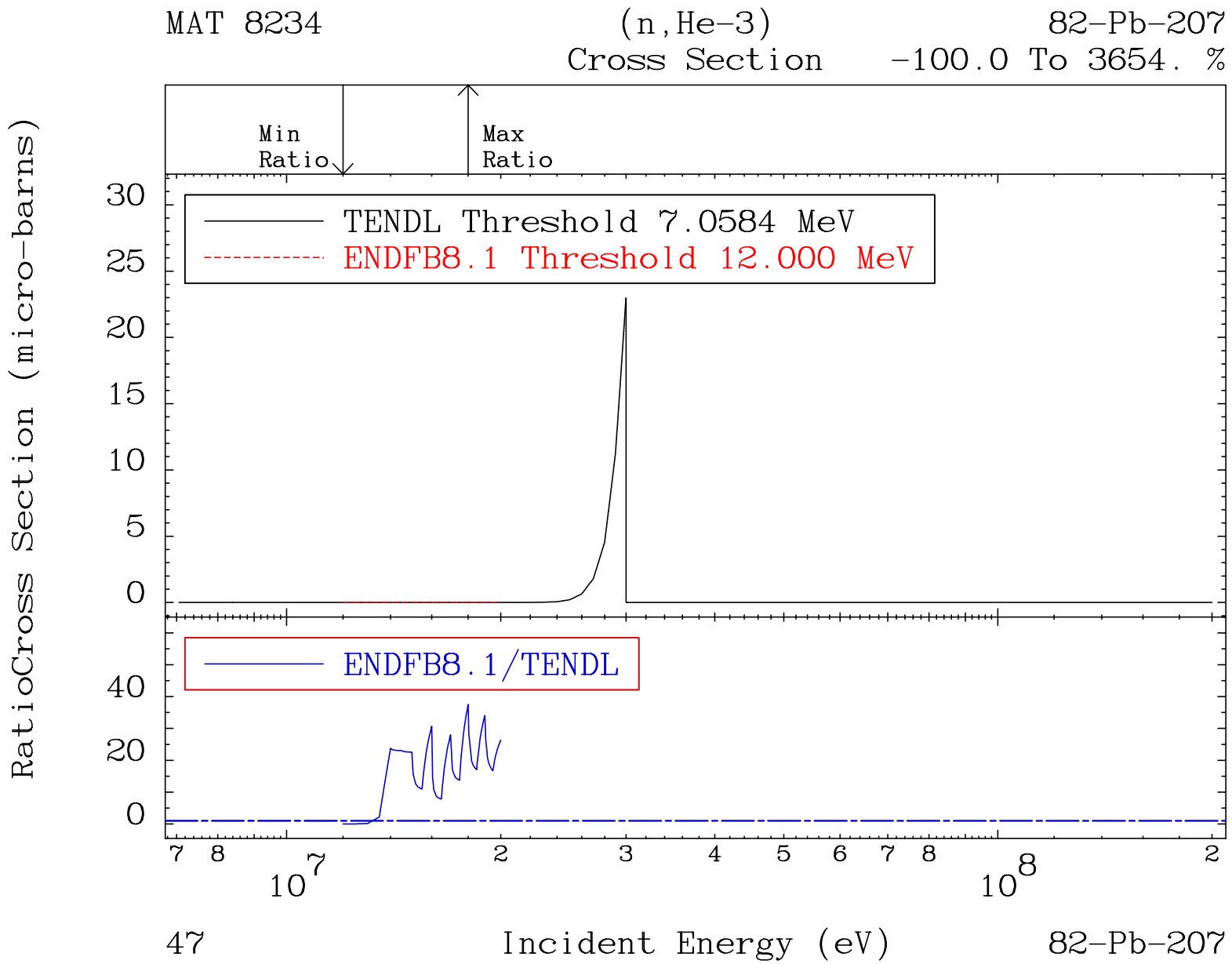

MAT 8234 Dpa disappearance (mt102 -120) 82-Pb-207
Cross Section -99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
42
82-Pb-207

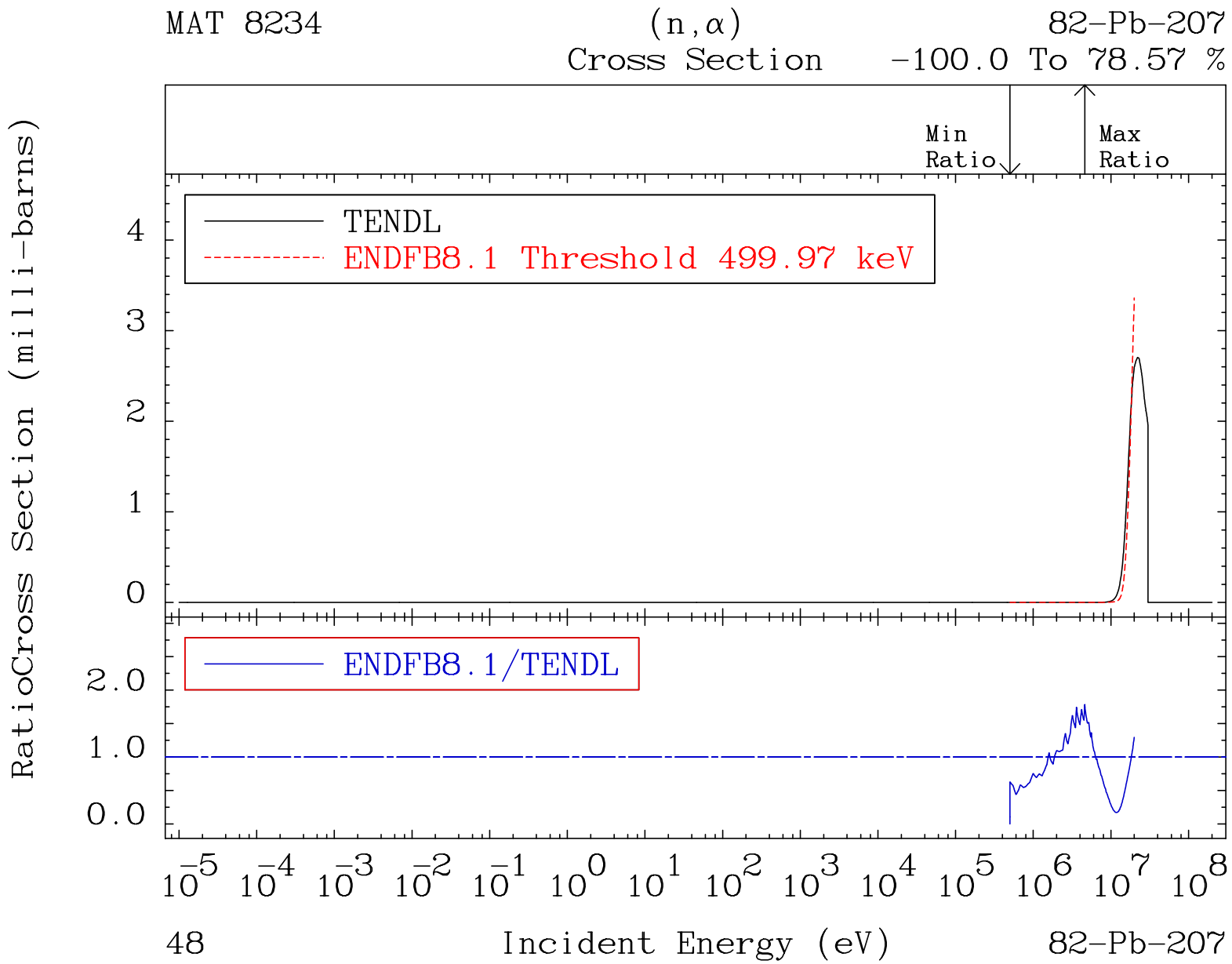

MAT 8234
(n,γ)
Cross Section
82-Pb-207
-99.41 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.1
ENDFB8.1/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
43
82-Pb-207

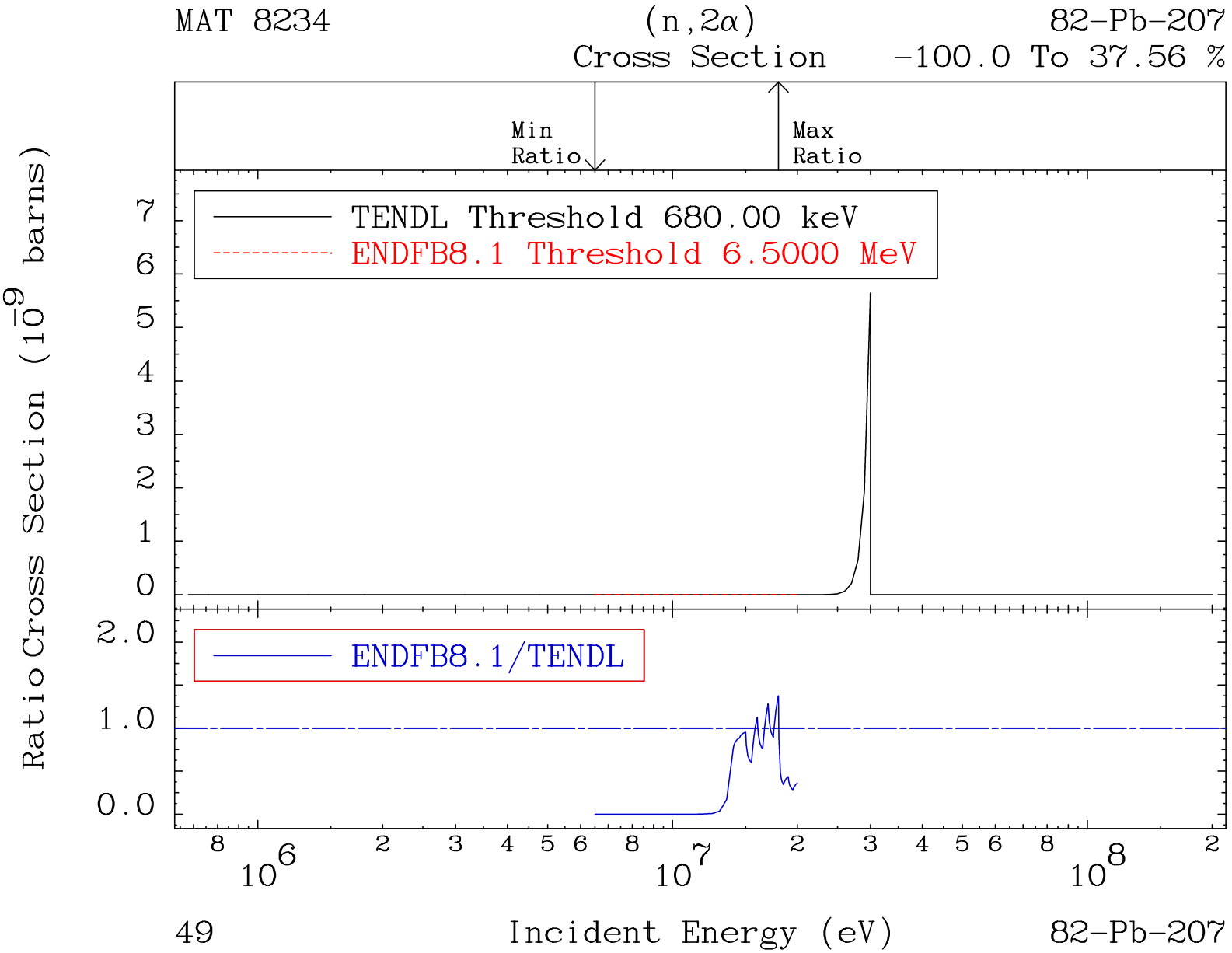

MAT 8234
(n,p)
82-Pb-207
Cross Section
-100.0 To 438.4 %
Min Ratio
Max Ratio
TENDL Threshold 1.8000 MeV
ENDFB8.1 Threshold 2.0000 MeV
ENDFB8.1/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
44
82-Pb-207

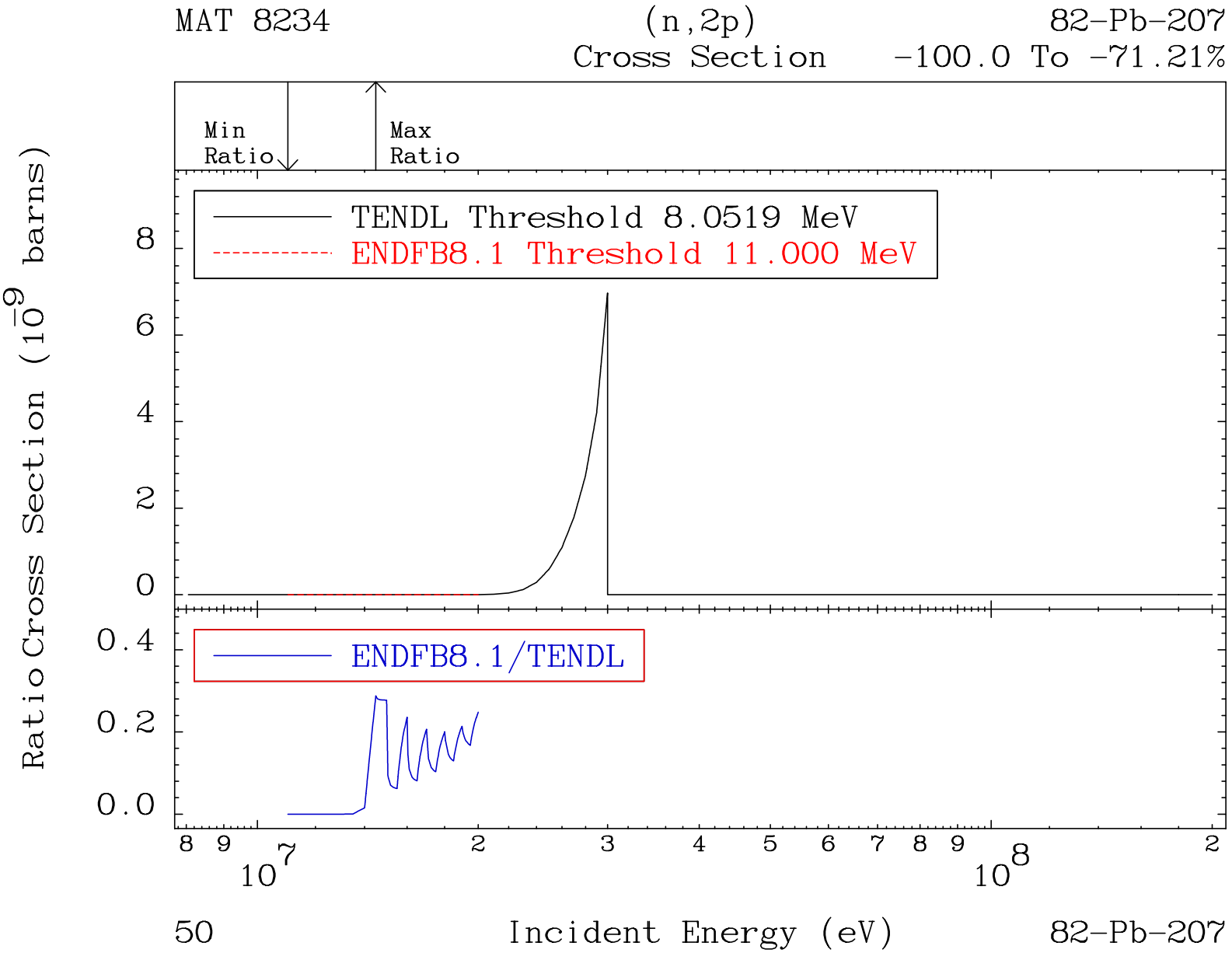

MAT 8234
(n,d)
Cross Section
82-Pb-207
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.2887 MeV
ENDFB8.1 Threshold 7.0000 MeV
ENDFB8.1/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
45
82-Pb-207

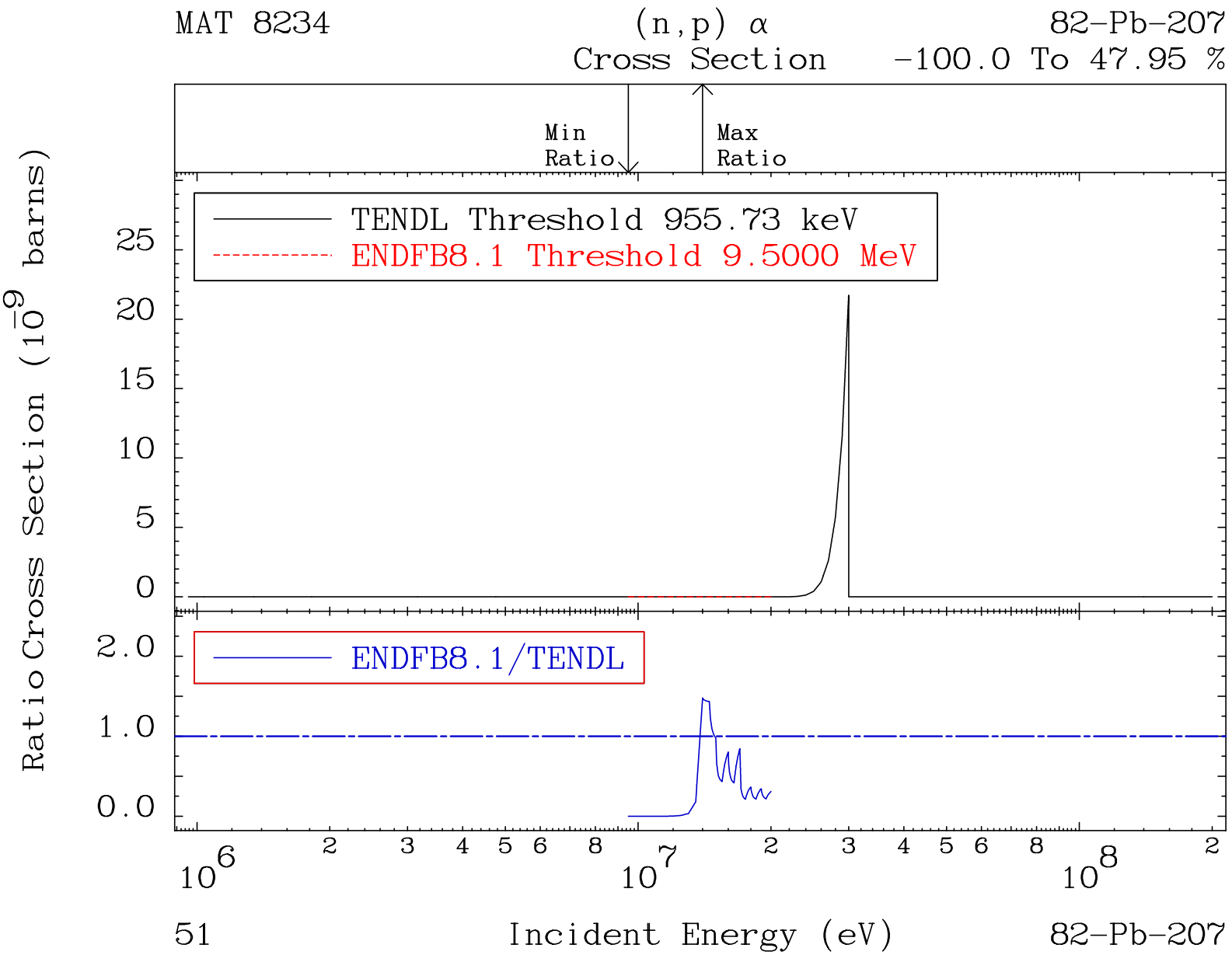

MAT 8234
(n,t)
82-Pb-207
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.5365 MeV
ENDFB8.1 Threshold 7.5000 MeV
ENDFB8.1/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
46
82-Pb-207

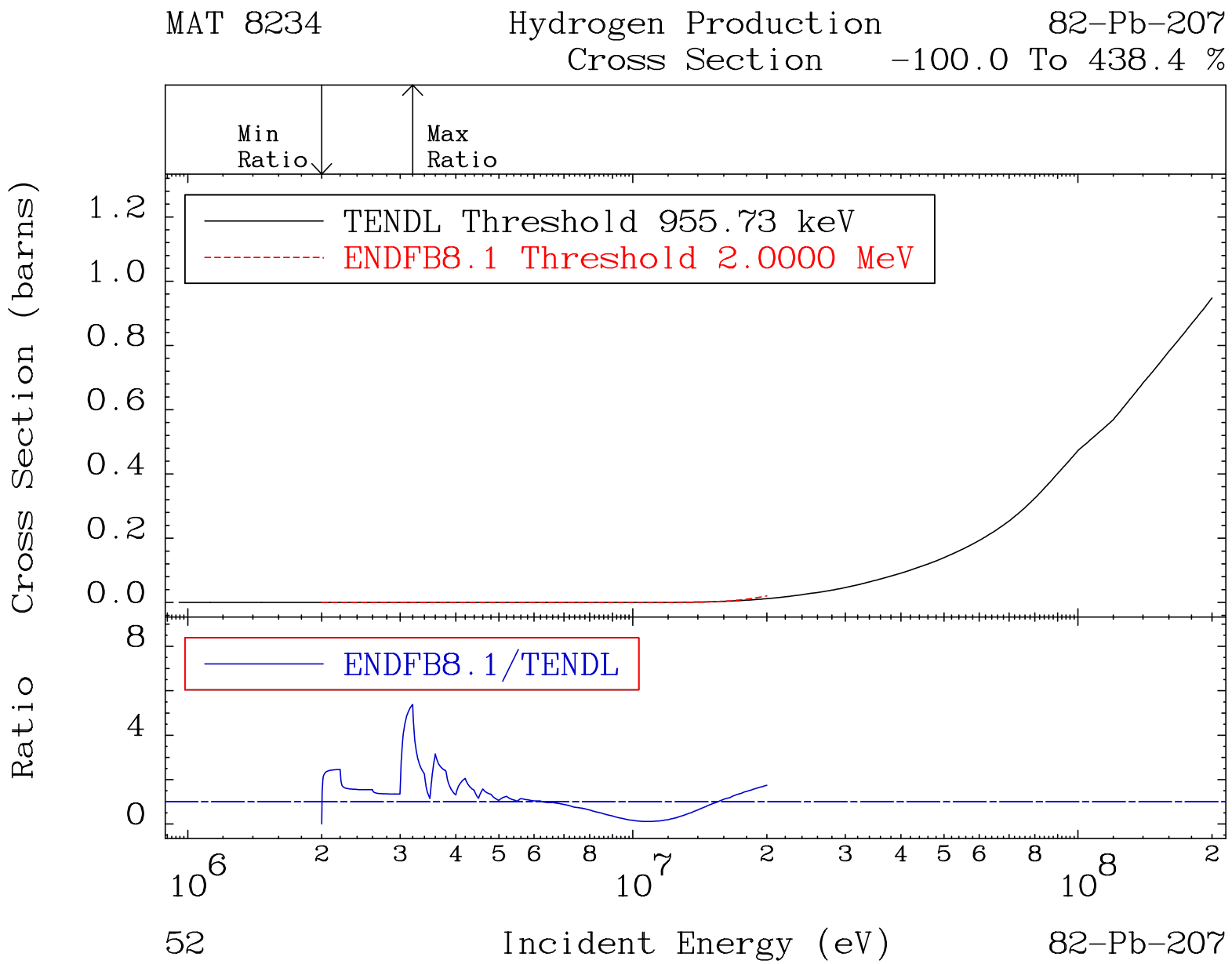

MAT 8234
(n,He-3)
82-Pb-207
Cross Section
-100.0 To 3654. %
Min Ratio
Max Ratio
TENDL Threshold 7.0584 MeV
ENDFB8.1 Threshold 12.000 MeV
ENDFB8.1/TENDL
RatioCross Section (micro-barns)
30
25
20
15
10
5
0
40
20
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
47
Incident Energy (eV)
82-Pb-207

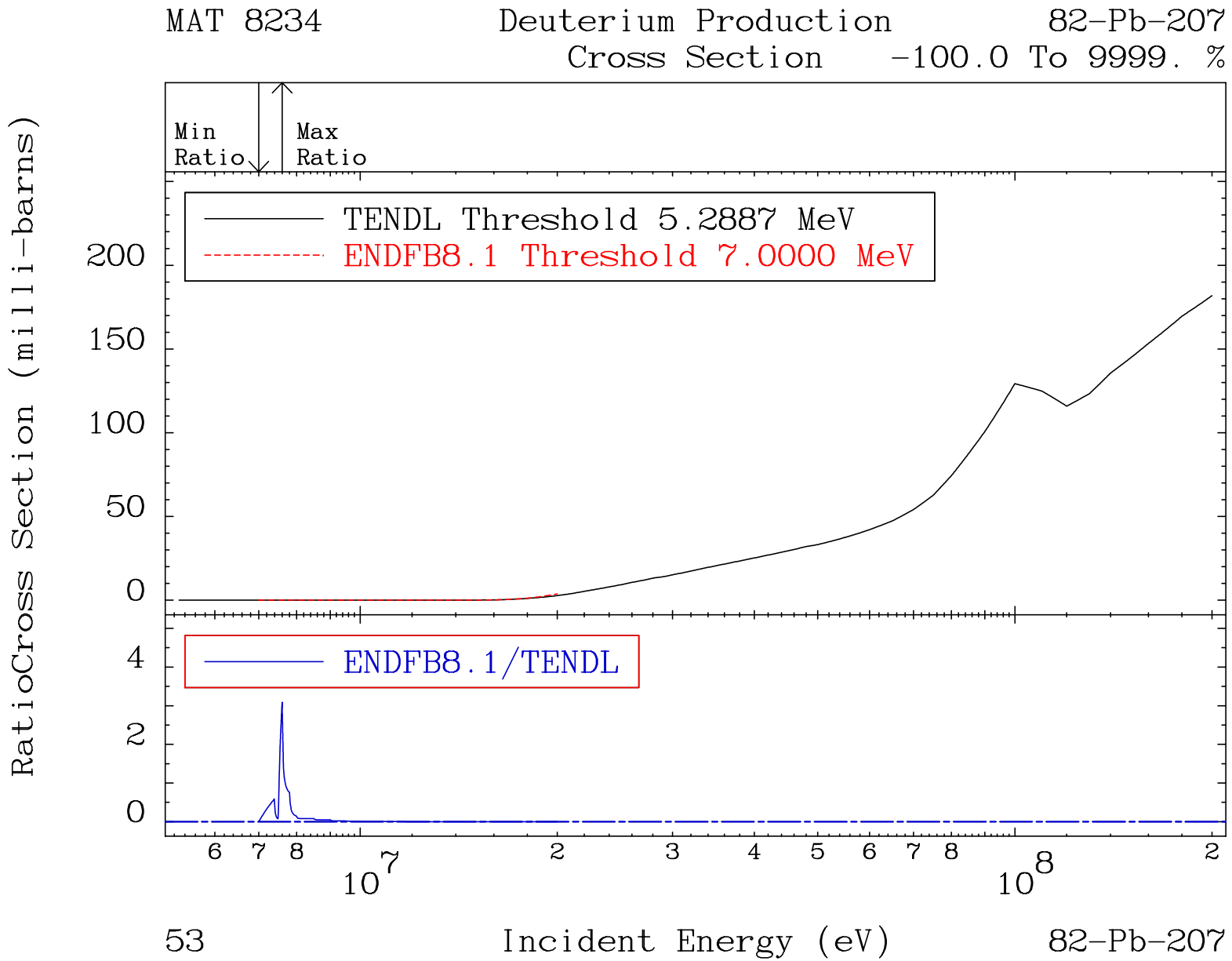

MAT 8234
(n,α)
Cross Section
82-Pb-207
-100.0 To 78.57 %
Min Ratio
Max Ratio
TENDL
ENDFB8.1 Threshold 499.97 keV
ENDFB8.1/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
48
82-Pb-207

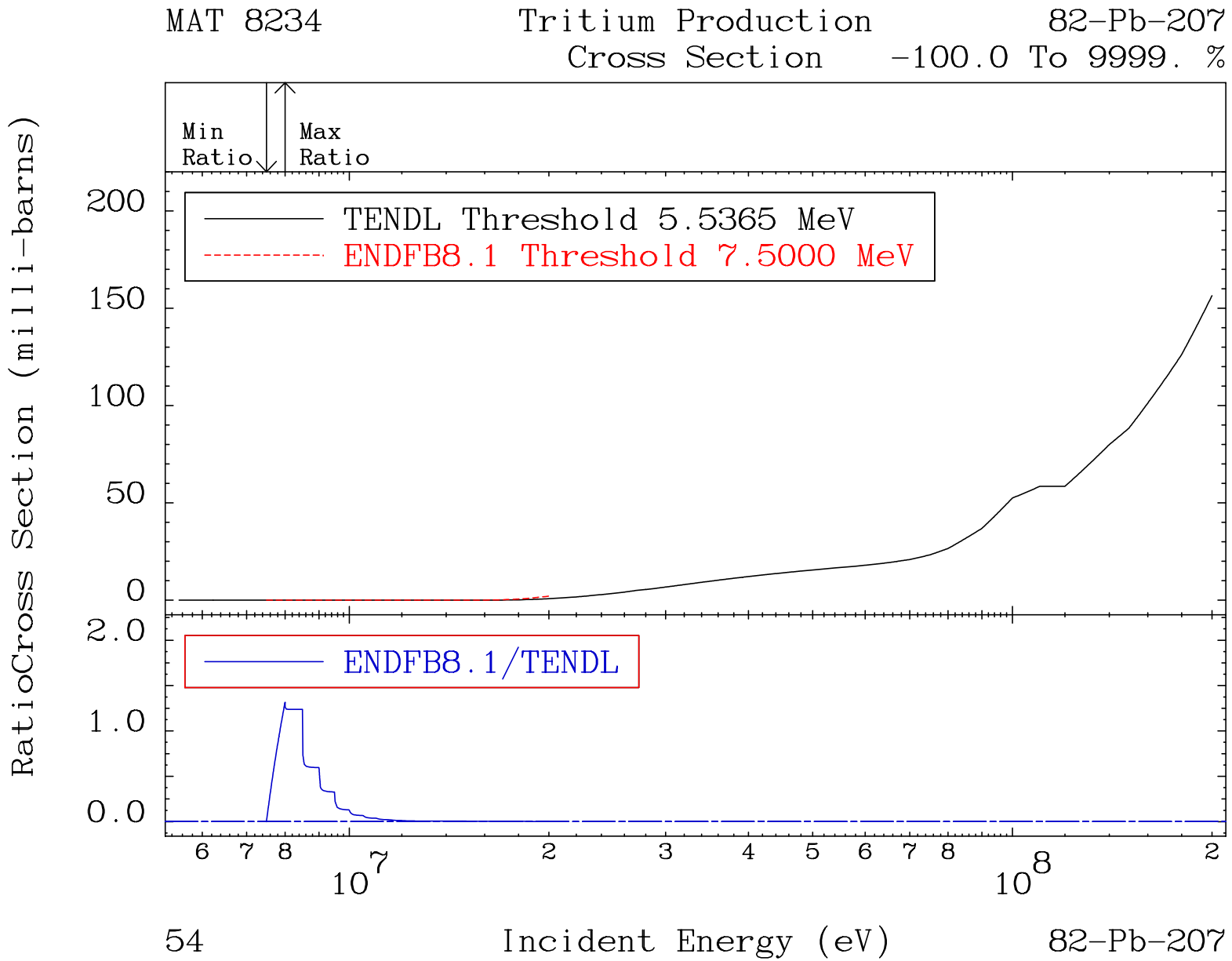

MAT 8234
(n,2α)
82-Pb-207
Cross Section
-100.0 To 37.56 %
Min Ratio
Max Ratio
TENDL Threshold 680.00 keV
ENDFB8.1 Threshold 6.5000 MeV
ENDFB8.1/TENDL
Ratio Cross Section (10^-9 barns)
0
1
2
3
4
5
6
7
2.0
1.0
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
49
Incident Energy (eV)
82-Pb-207

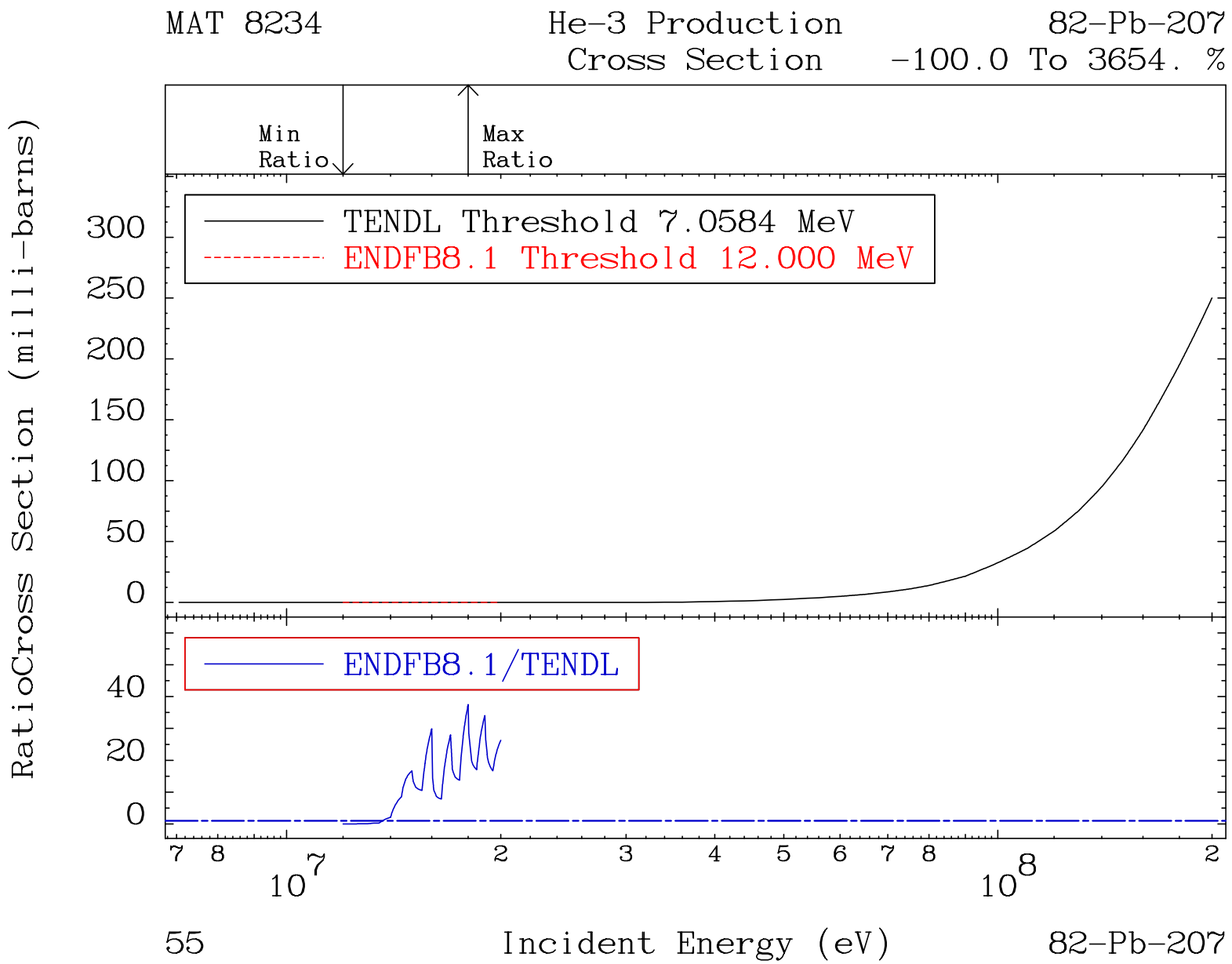

MAT 8234
(n,2p)
Cross Section
82-Pb-207
-100.0 To -71.21%
Min Ratio
Max Ratio
TENDL Threshold 8.0519 MeV
ENDFB8.1 Threshold 11.000 MeV
ENDFB8.1/TENDL
Ratio Cross Section (10^-9 barns)
0
2
4
6
8
0.0
0.2
0.4
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
50
Incident Energy (eV)
82-Pb-207

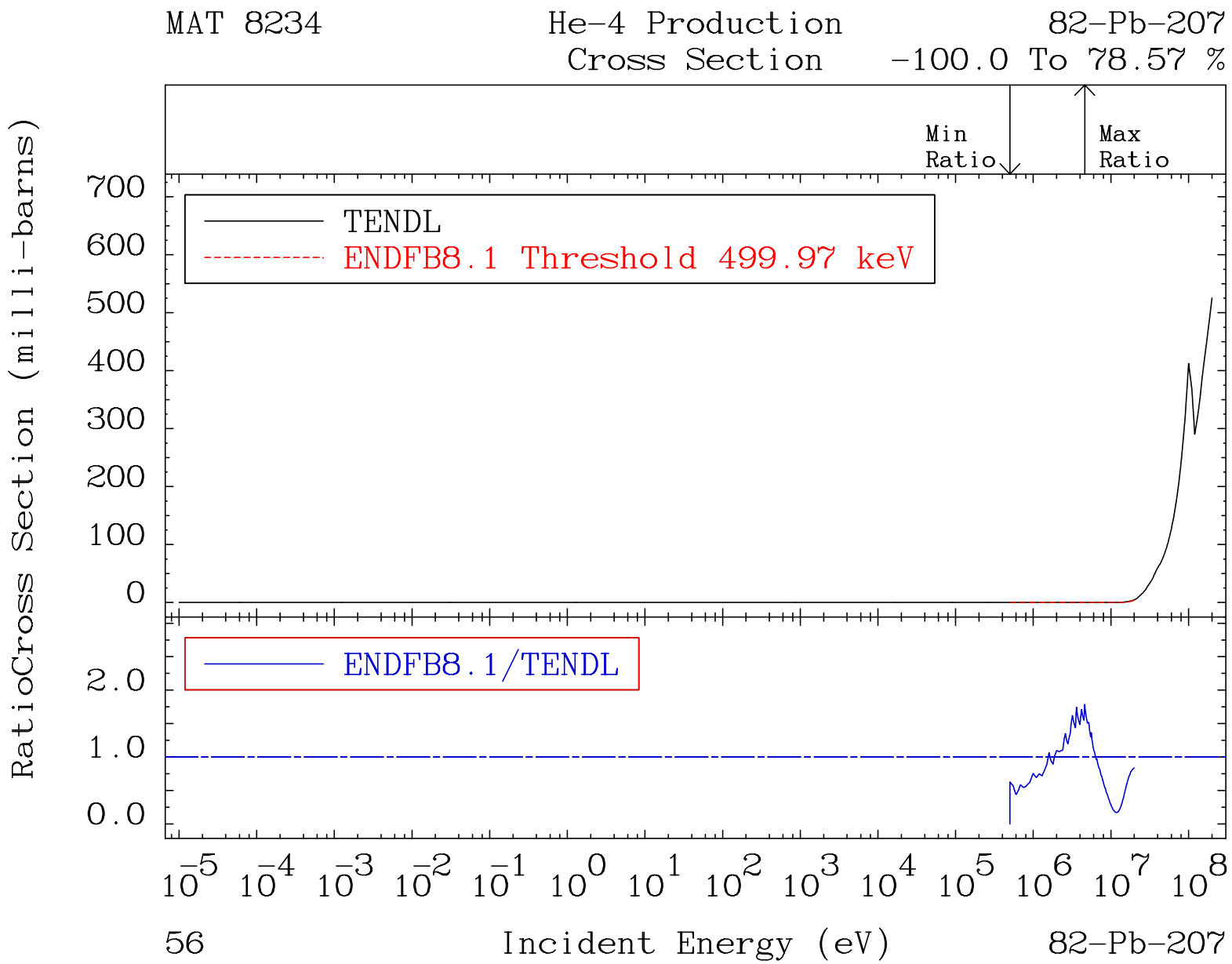

MAT 8234
(n,p) α
Cross Section
82-Pb-207
-100.0 To 47.95 %
Min Ratio
Max Ratio
TENDL Threshold 955.73 keV
ENDFB8.1 Threshold 9.5000 MeV
ENDFB8.1/TENDL
Ratio Cross Section (10^-9 barns)
25
20
15
10
5
0
2.0
1.0
0.0
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
51
Incident Energy (eV)
82-Pb-207

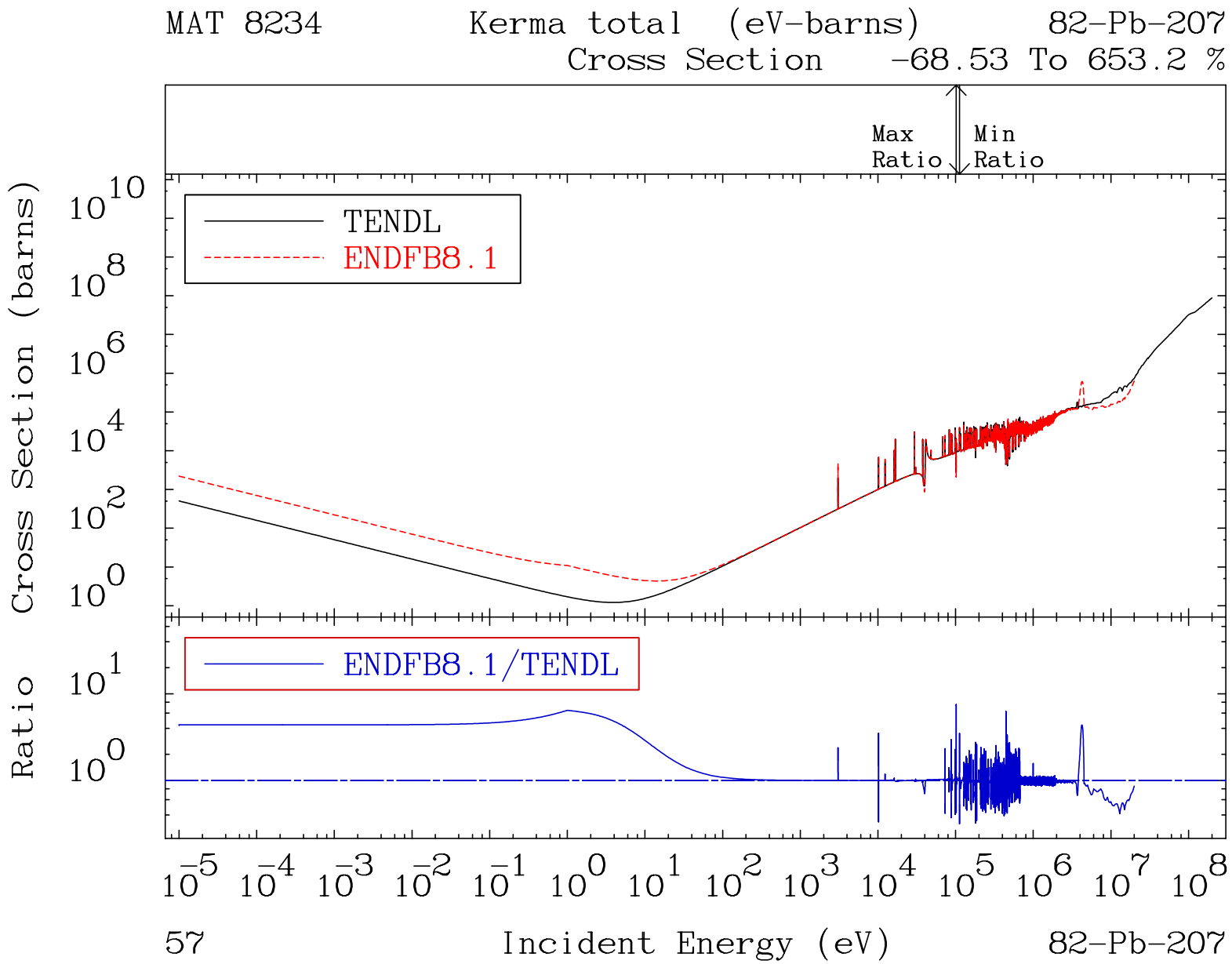

MAT 8234
Hydrogen Production
82-Pb-207
Cross Section
-100.0 To 438.4 %
Min Ratio
Max Ratio
TENDL Threshold 955.73 keV
ENDFB8.1 Threshold 2.0000 MeV
ENDFB8.1/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
8
4
0
10^6
10^7
10^8
2 3 4 5 6 8
Incident Energy (eV)
52
82-Pb-207

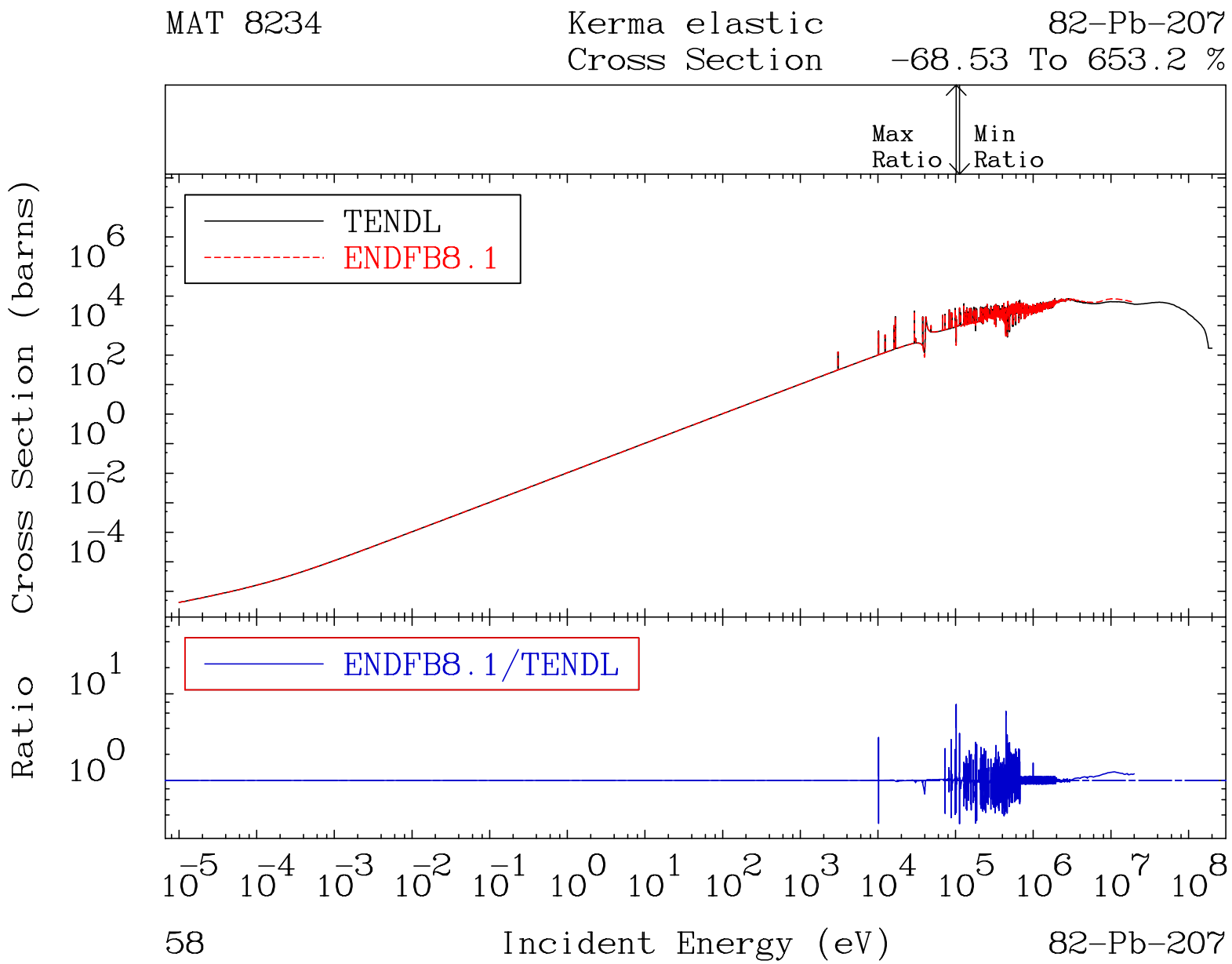

MAT 8234
Deuterium Production
82-Pb-207
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.2887 MeV
ENDFB8.1 Threshold 7.0000 MeV
ENDFB8.1/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
4
2
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
53
Incident Energy (eV)
82-Pb-207

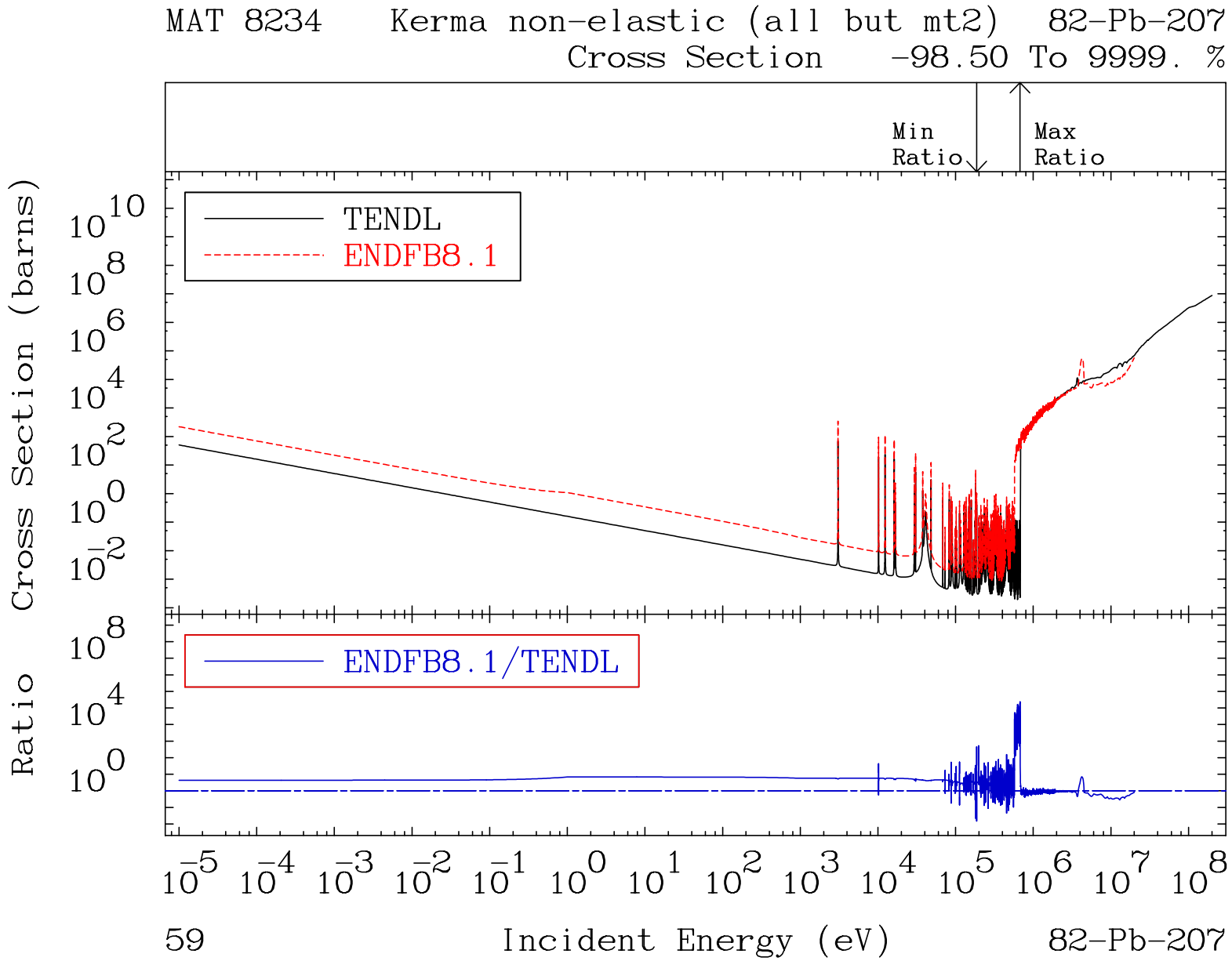

MAT 8234
Tritium Production
82-Pb-207
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.5365 MeV
ENDFB8.1 Threshold 7.5000 MeV
ENDFB8.1/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.0
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
54
Incident Energy (eV)
82-Pb-207

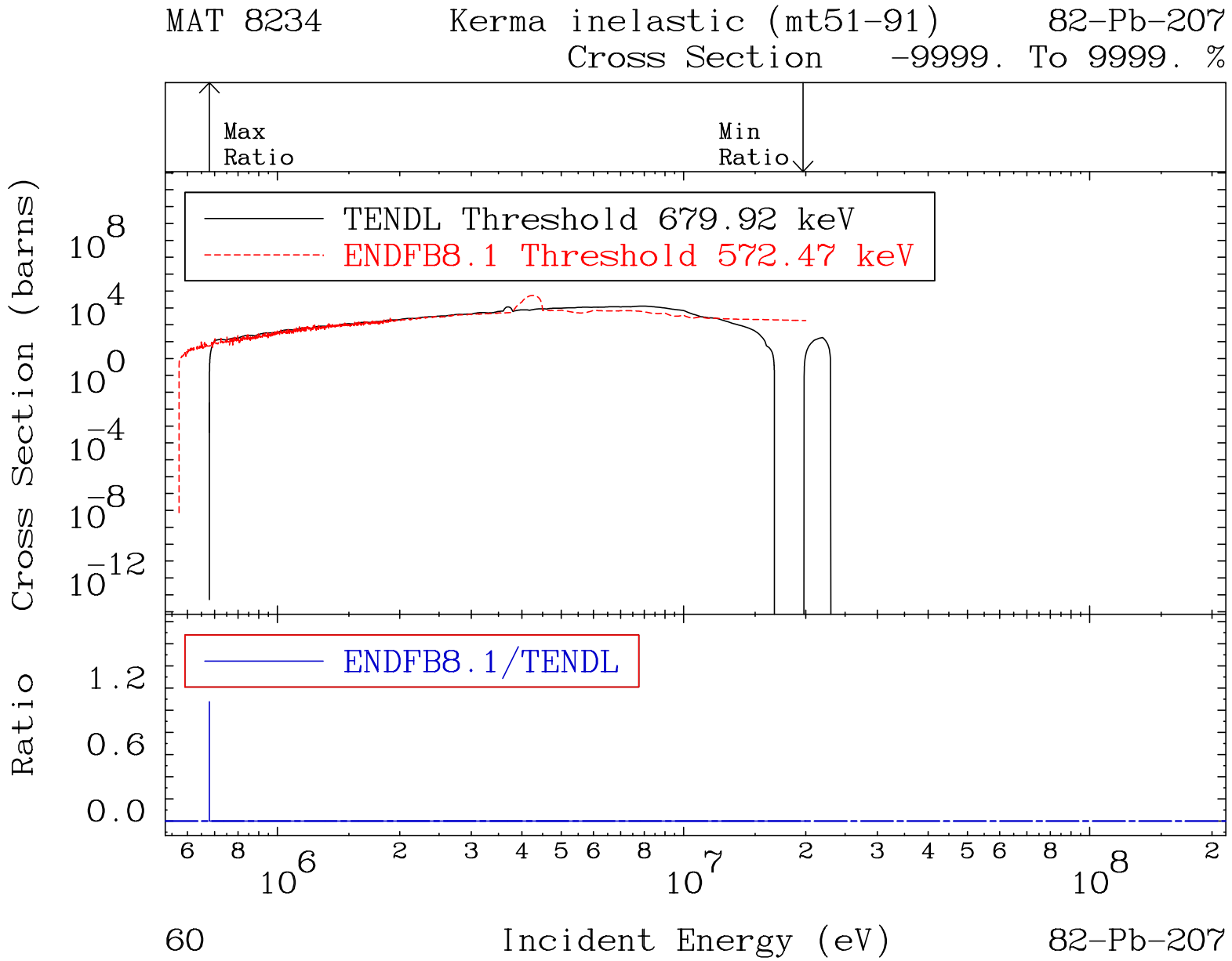

MAT 8234
He-3 Production
Cross Section
82-Pb-207
-100.0 To 3654. %
Min Ratio
Max Ratio
TENDL Threshold 7.0584 MeV
ENDFB8.1 Threshold 12.000 MeV
ENDFB8.1/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
40
20
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
55
Incident Energy (eV)
82-Pb-207

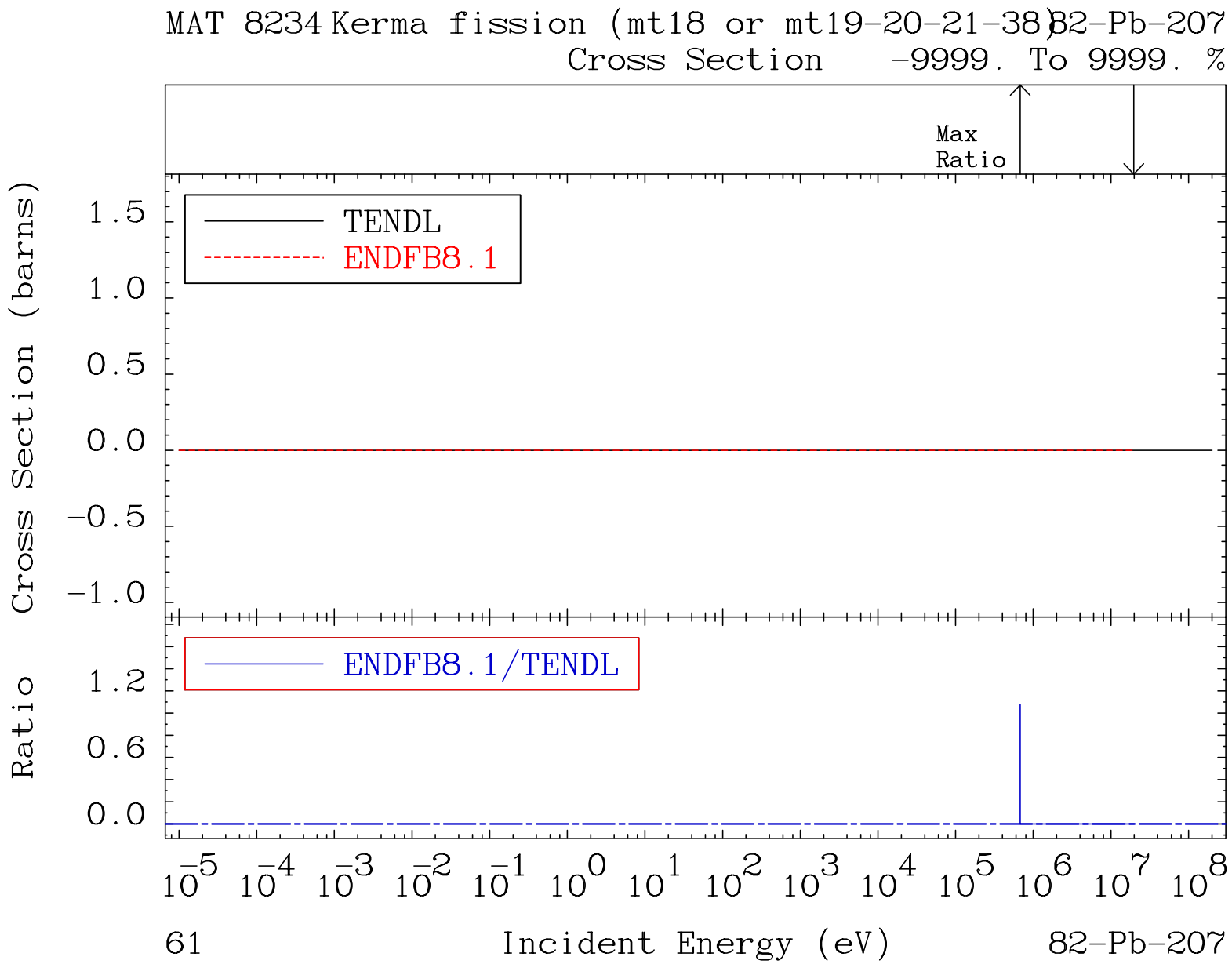

MAT 8234
He-4 Production
Cross Section
82-Pb-207
-100.0 To 78.57 %
Min Ratio
Max Ratio
TENDL
ENDFB8.1 Threshold 499.97 keV
ENDFB8.1/TENDL
RatioCross Section (milli-barns)
700
600
500
400
300
200
100
0
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
56
Incident Energy (eV)
82-Pb-207

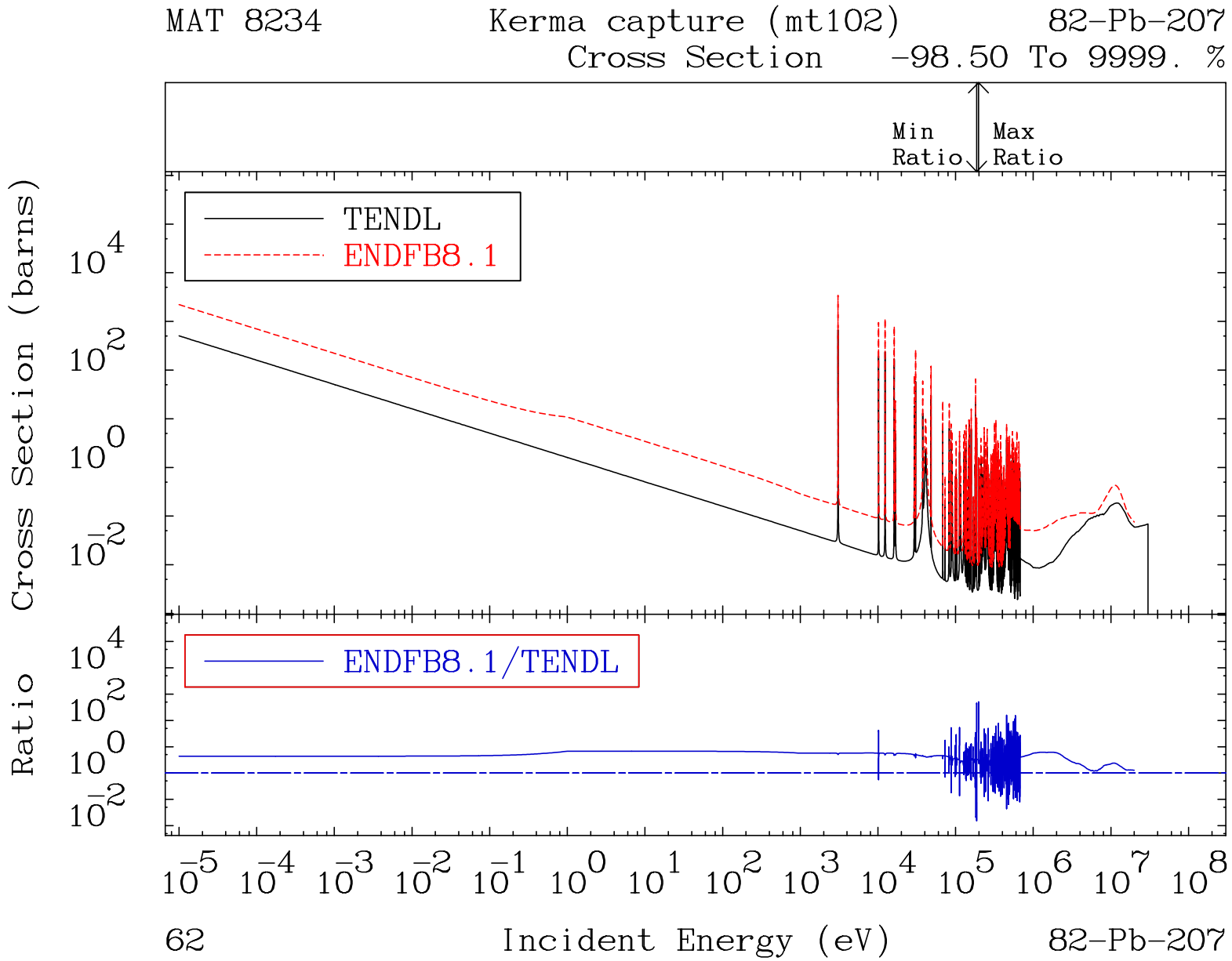

MAT 8234
Kerma total (eV-barns)
82-Pb-207
Cross Section -68.53 To 653.2 %
Max Ratio
Min Ratio
TENDL
ENDFB8.1
Cross Section (barns)
ENDFB8.1/TENDL
Ratio
Incident Energy (eV)
57
82-Pb-207

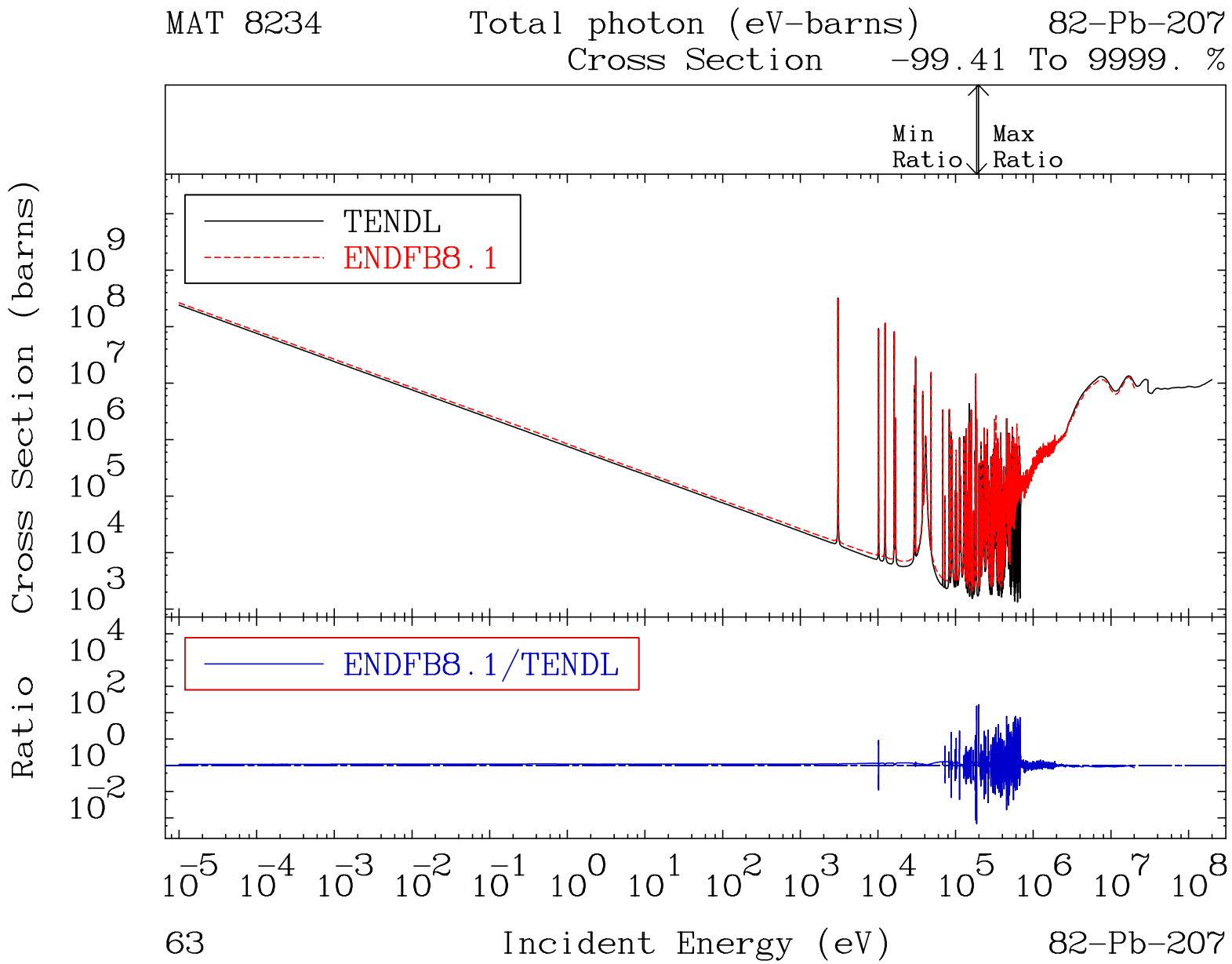

MAT 8234
Kerma elastic
Cross Section
82-Pb-207
-68.53 To 653.2 %
Max Ratio
Min Ratio
TENDL
ENDFB8.1
ENDFB8.1/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
82-Pb-207

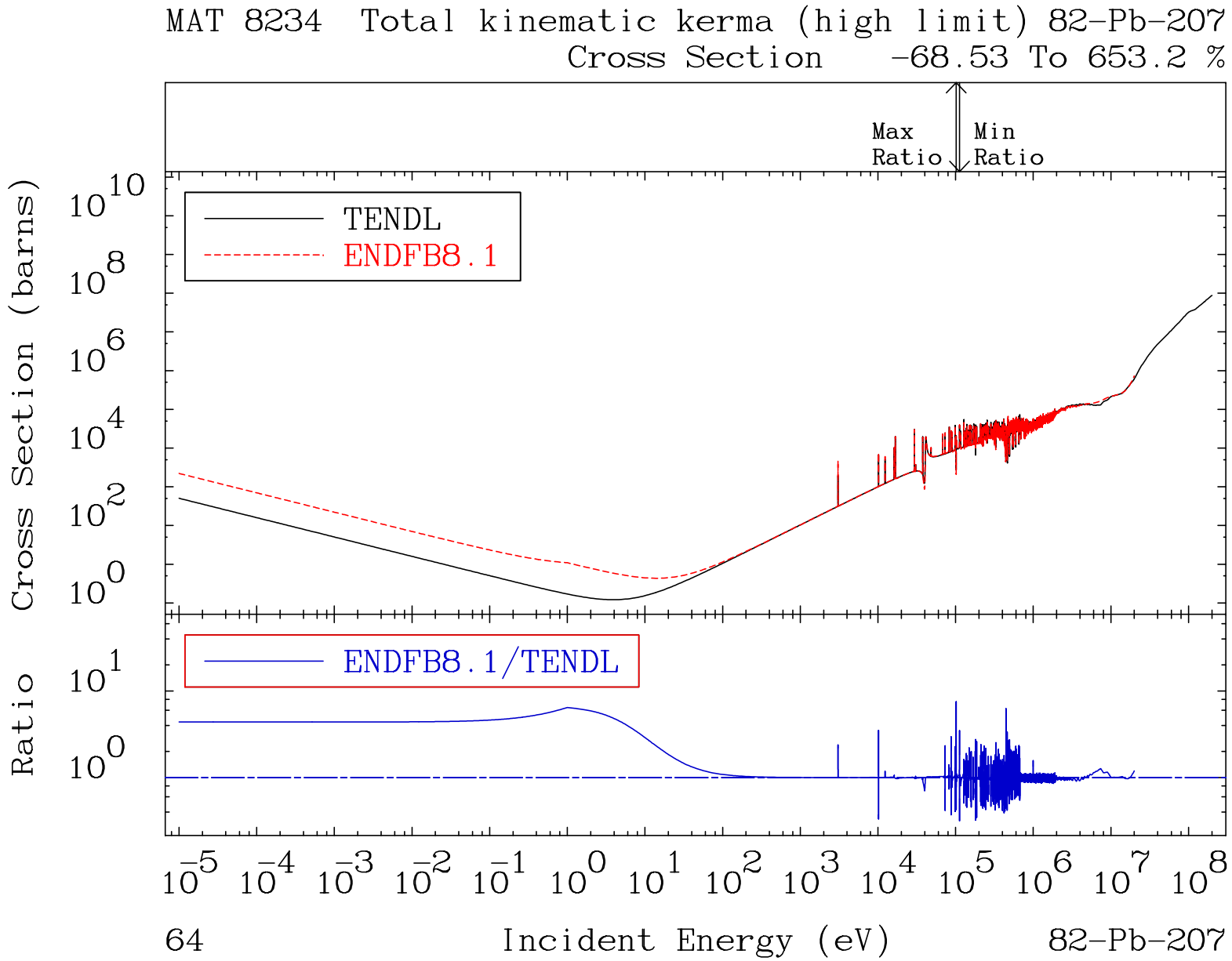

MAT 8234 Kerma non-elastic (all but mt2) 82-Pb-207
Cross Section -98.50 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.1
ENDFB8.1/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
82-Pb-207

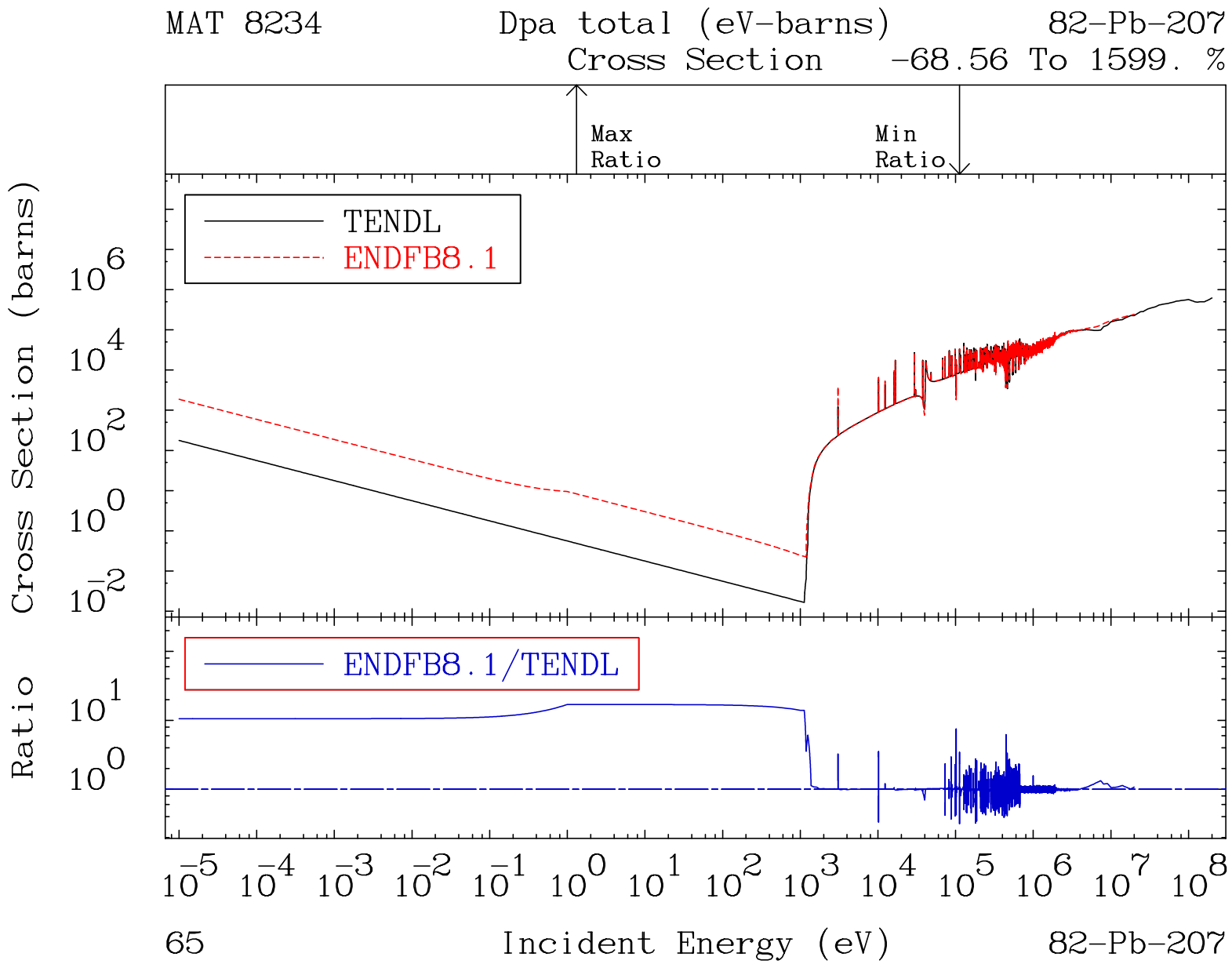

MAT 8234
Kerma inelastic (mt51-91)
82-Pb-207
Cross Section
-9999. To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 679.92 keV
ENDFB8.1 Threshold 572.47 keV
Cross Section (barns)
10^8
10^4
10^0
10^-4
10^-8
10^-12
ENDFB8.1/TENDL
Ratio
1.2
0.6
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
60
Incident Energy (eV)
82-Pb-207

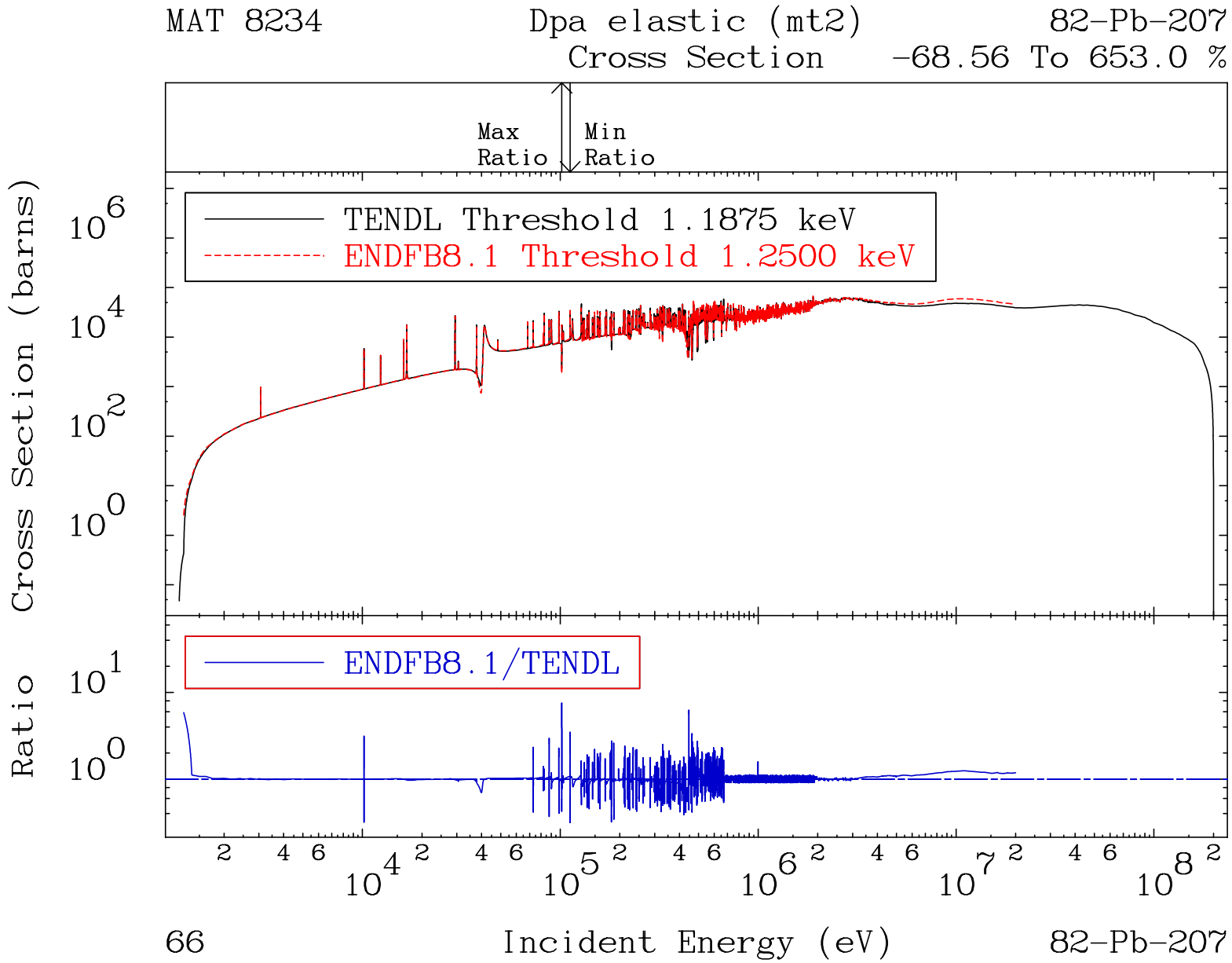

MAT 8234 Kerma fission (mt18 or mt19-20-21-38) 82-Pb-207
Cross Section -9999. To 9999. %
Max
Ratio
TENDL
ENDFB8.1
ENDFB8.1/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
1.2
0.6
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
61
Incident Energy (eV)
82-Pb-207

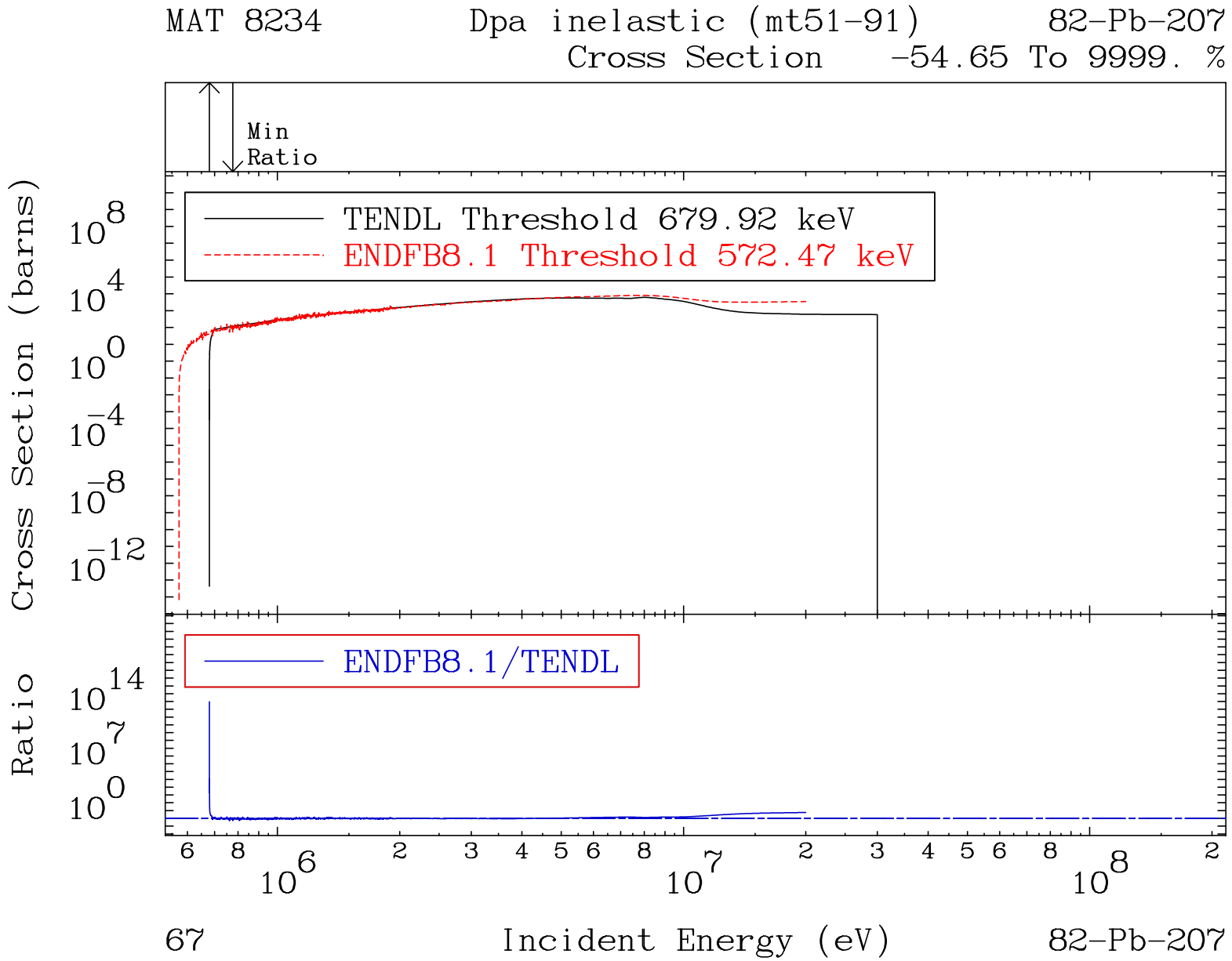

MAT 8234
Kerma capture (mt102)
82-Pb-207
Cross Section -98.50 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.1
Cross Section (barns)
ENDFB8.1/TENDL
Ratio
Incident Energy (eV)
62
82-Pb-207

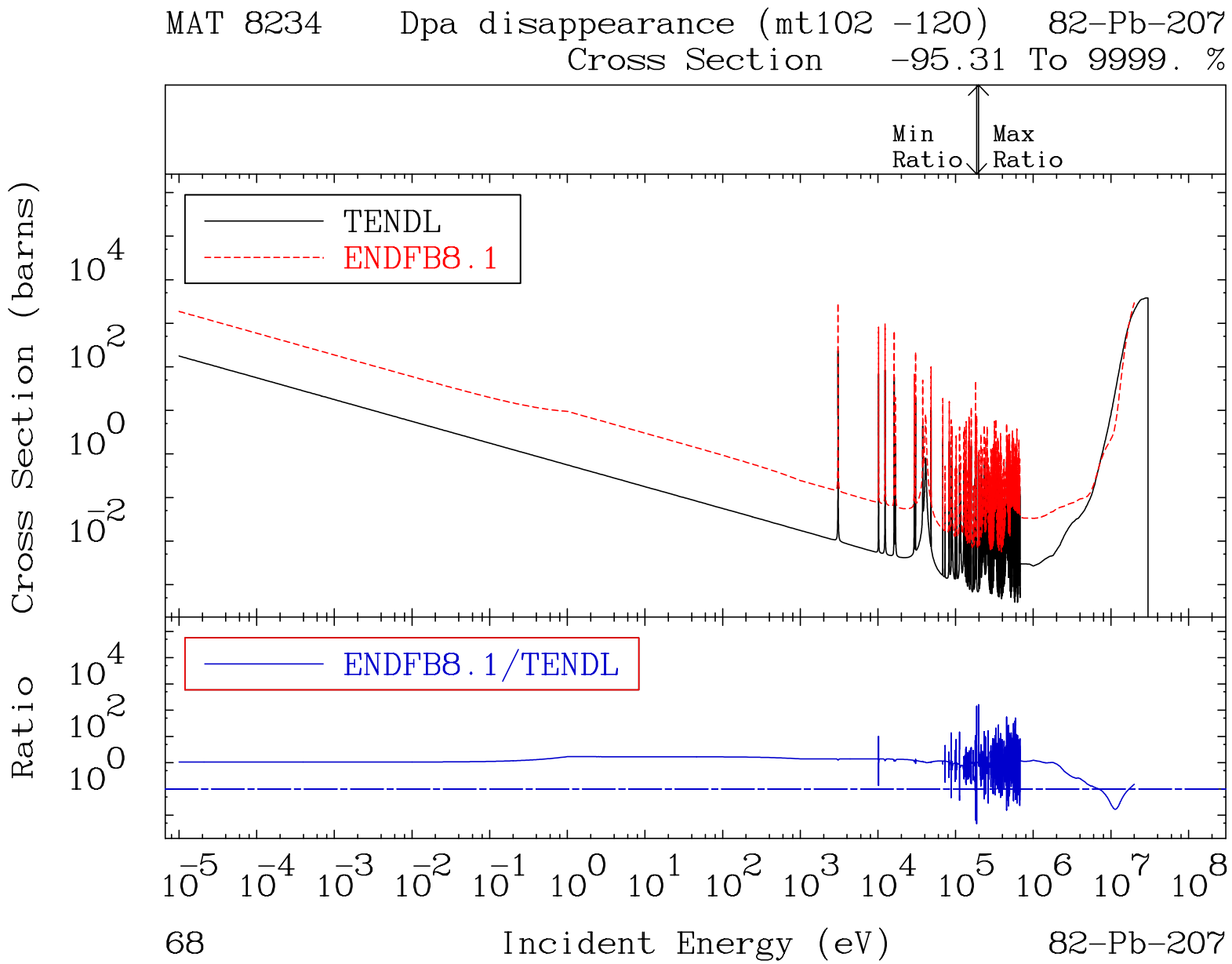

MAT 8234
Total photon (eV-barns)
82-Pb-207
Cross Section -99.41 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.1
ENDFB8.1/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
82-Pb-207


MAT 8234 Total kinematic kerma (high limit) 82-Pb-207
Cross Section -68.53 To 653.2 %
Max Ratio
Min Ratio
TENDL
ENDFB8.1
ENDFB8.1/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
82-Pb-207


MAT 8234
Dpa total (eV-barns)
82-Pb-207
Cross Section -68.56 To 1599. %
Max Ratio
Min Ratio
TENDL
ENDFB8.1
ENDFB8.1/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
65
82-Pb-207


MAT 8234
Dpa elastic (mt2)
Cross Section
82-Pb-207
-68.56 To 653.0 %
Max Ratio
Min Ratio
TENDL Threshold 1.1875 keV
ENDFB8.1 Threshold 1.2500 keV
Cross Section (barns)
ENDFB8.1/TENDL
Ratio
Incident Energy (eV)
66
82-Pb-207


MAT 8234
Dpa inelastic (mt51-91)
82-Pb-207
Cross Section
-54.65 To 9999. %
Min
Ratio
TENDL Threshold 679.92 keV
ENDFB8.1 Threshold 572.47 keV
ENDFB8.1/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
67
82-Pb-207


MAT 8234 Dpa disappearance (mt102 -120) 82-Pb-207
Cross Section -95.31 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.1
Cross Section (barns)
ENDFB8.1/TENDL
Ratio
Incident Energy (eV)
68
82-Pb-207