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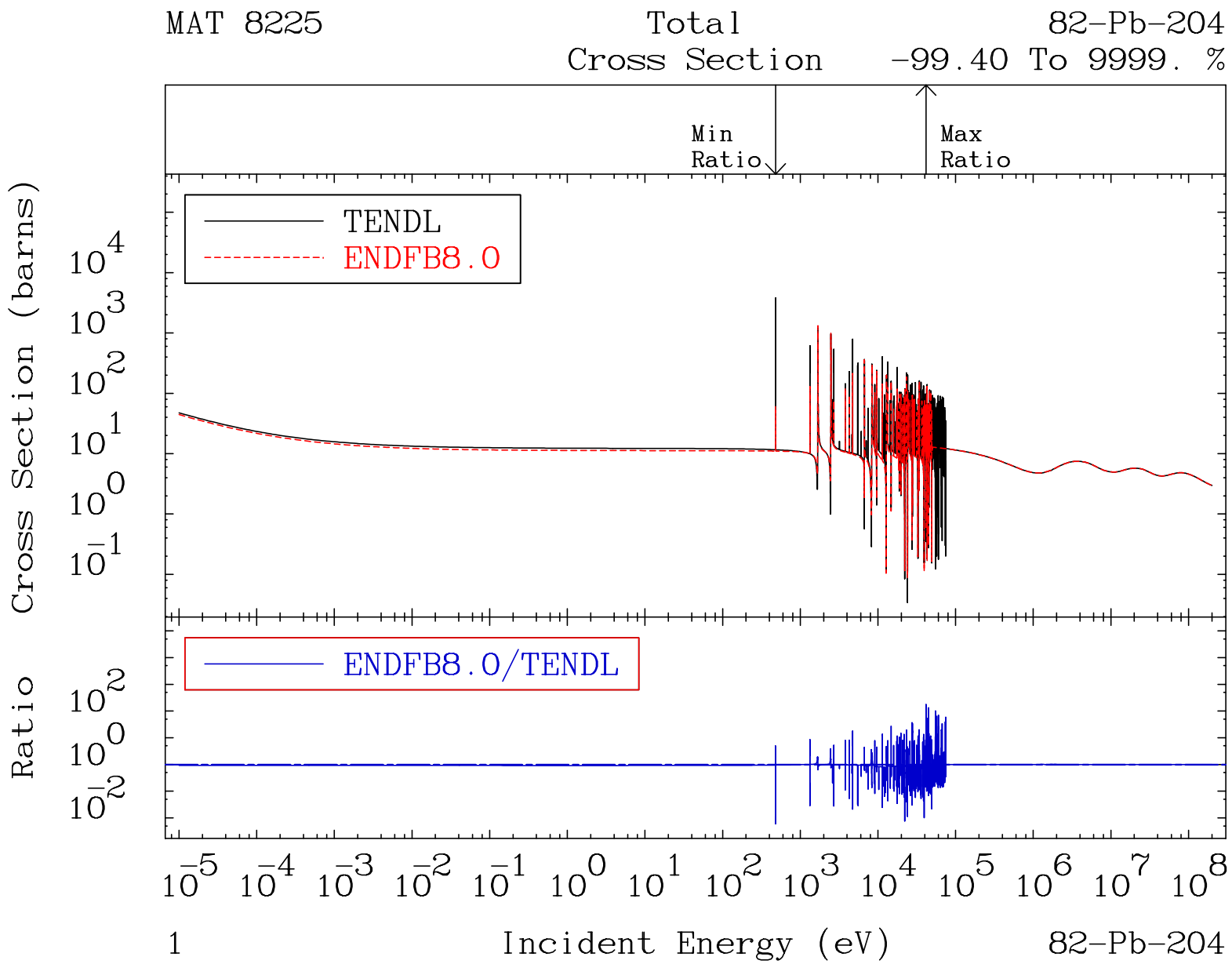
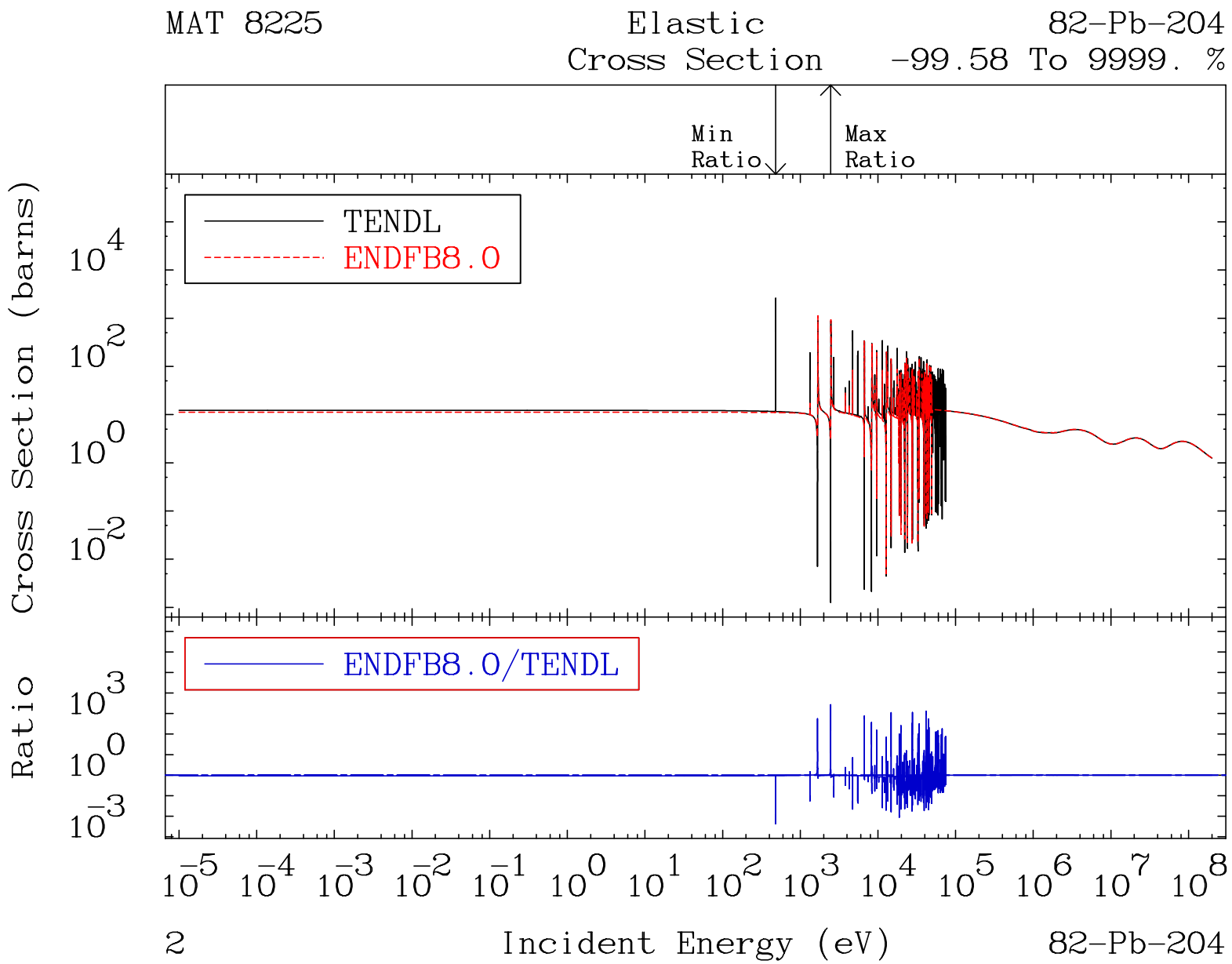
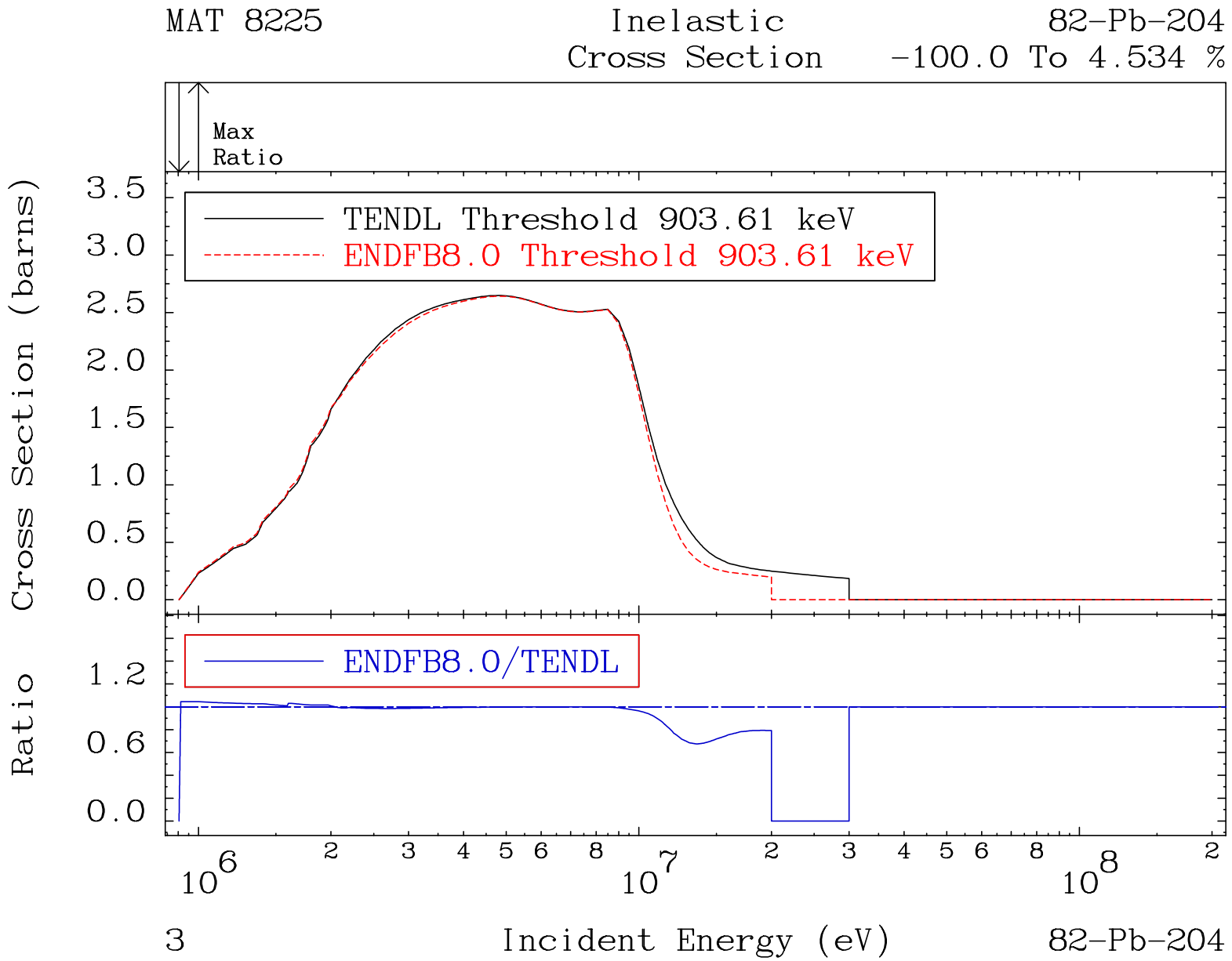
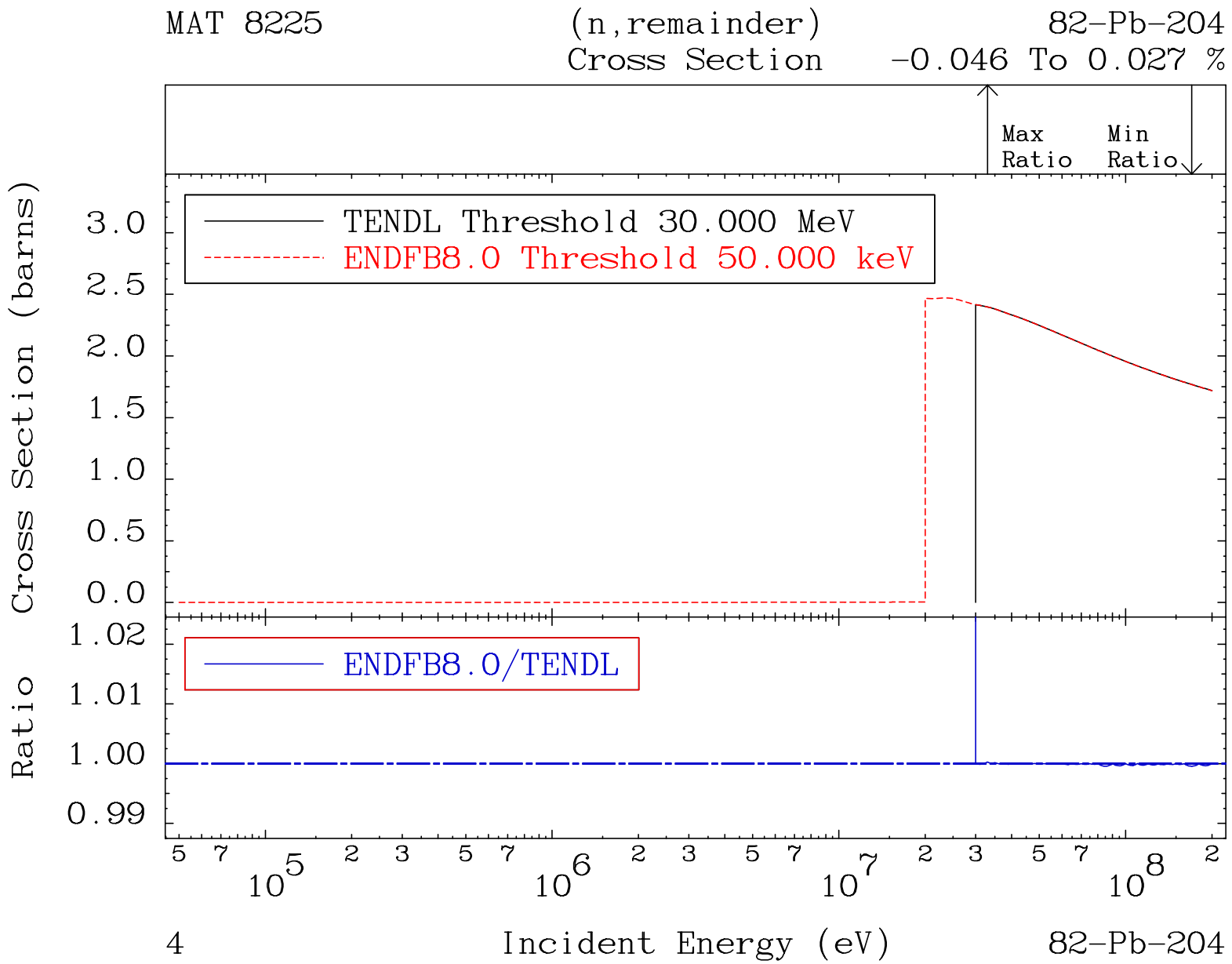
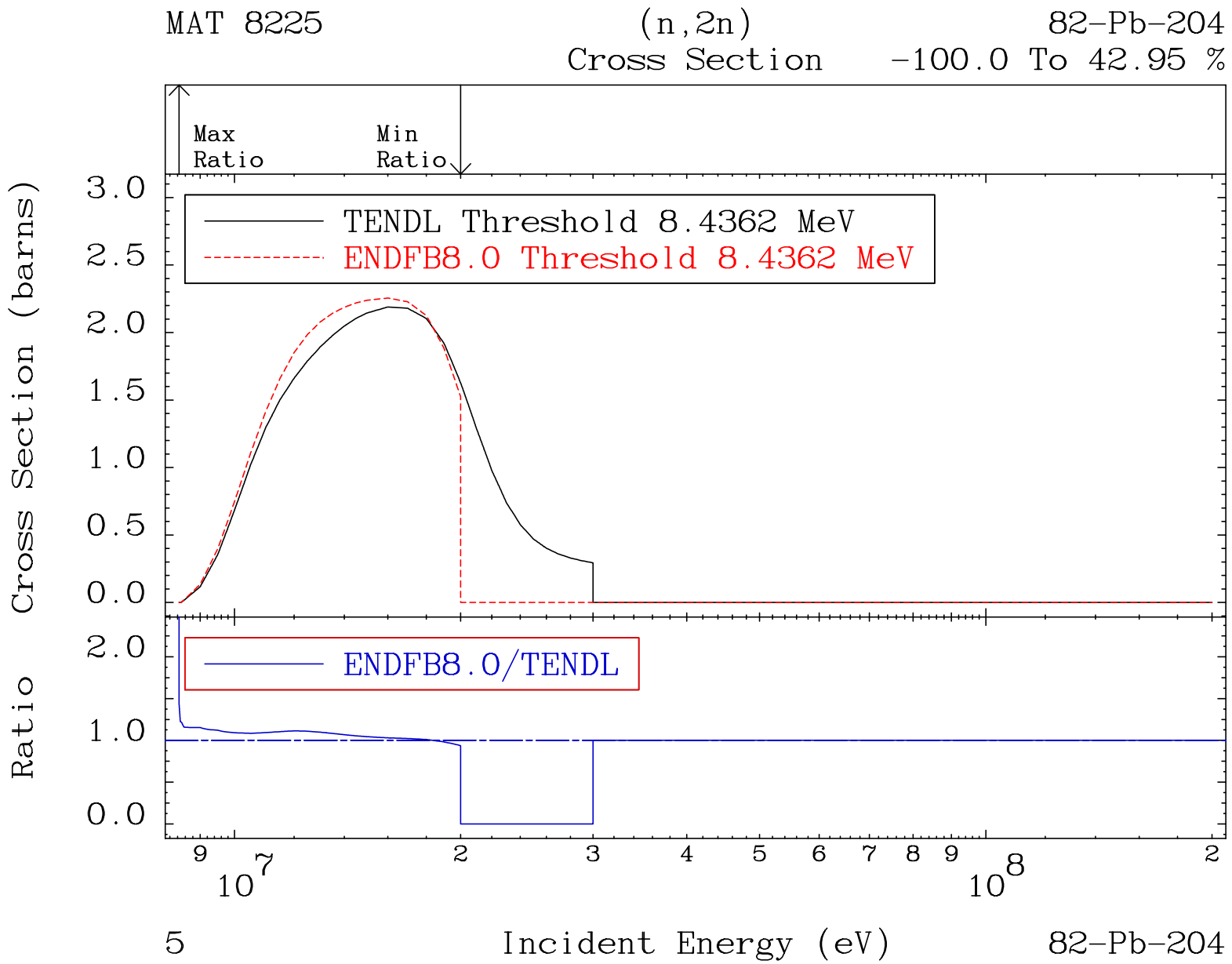
Press Mouse Button to Start

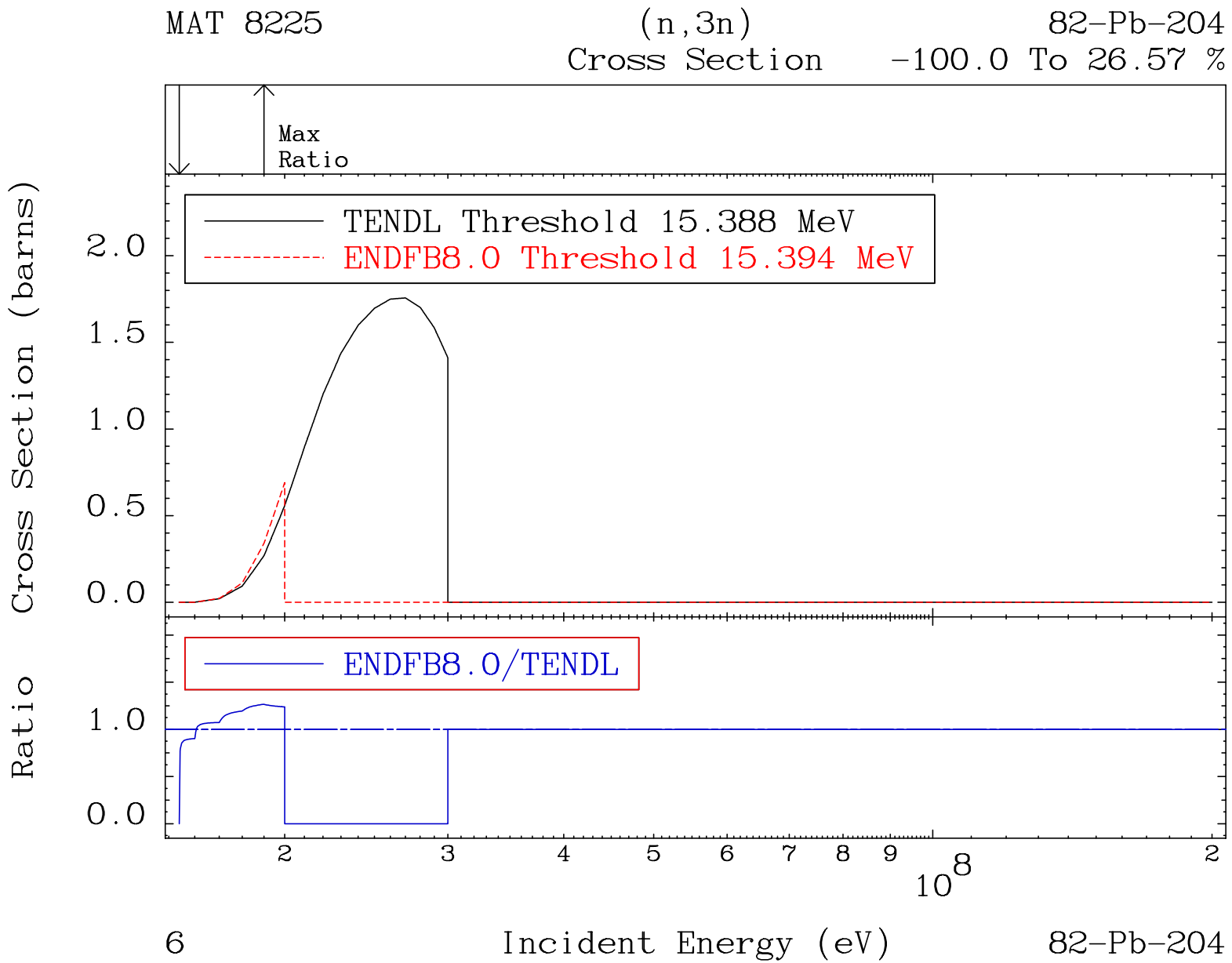

MAT 8225
Total
Cross Section
82-Pb-204
-99.40 To 9999. %
Min
Ratio
Max
Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
82-Pb-204

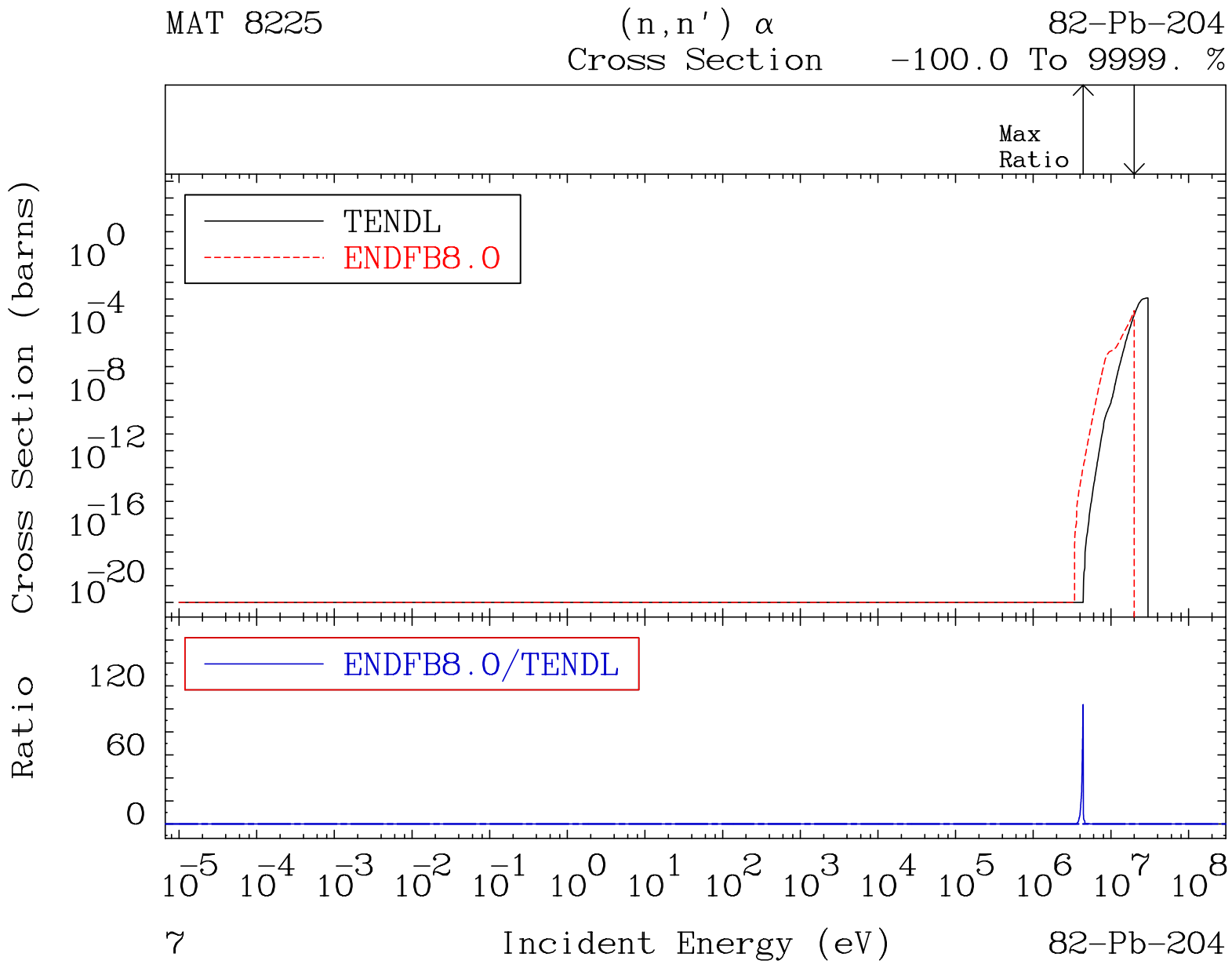

MAT 8225
Elastic
Cross Section
82-Pb-204
-99.58 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
82-Pb-204

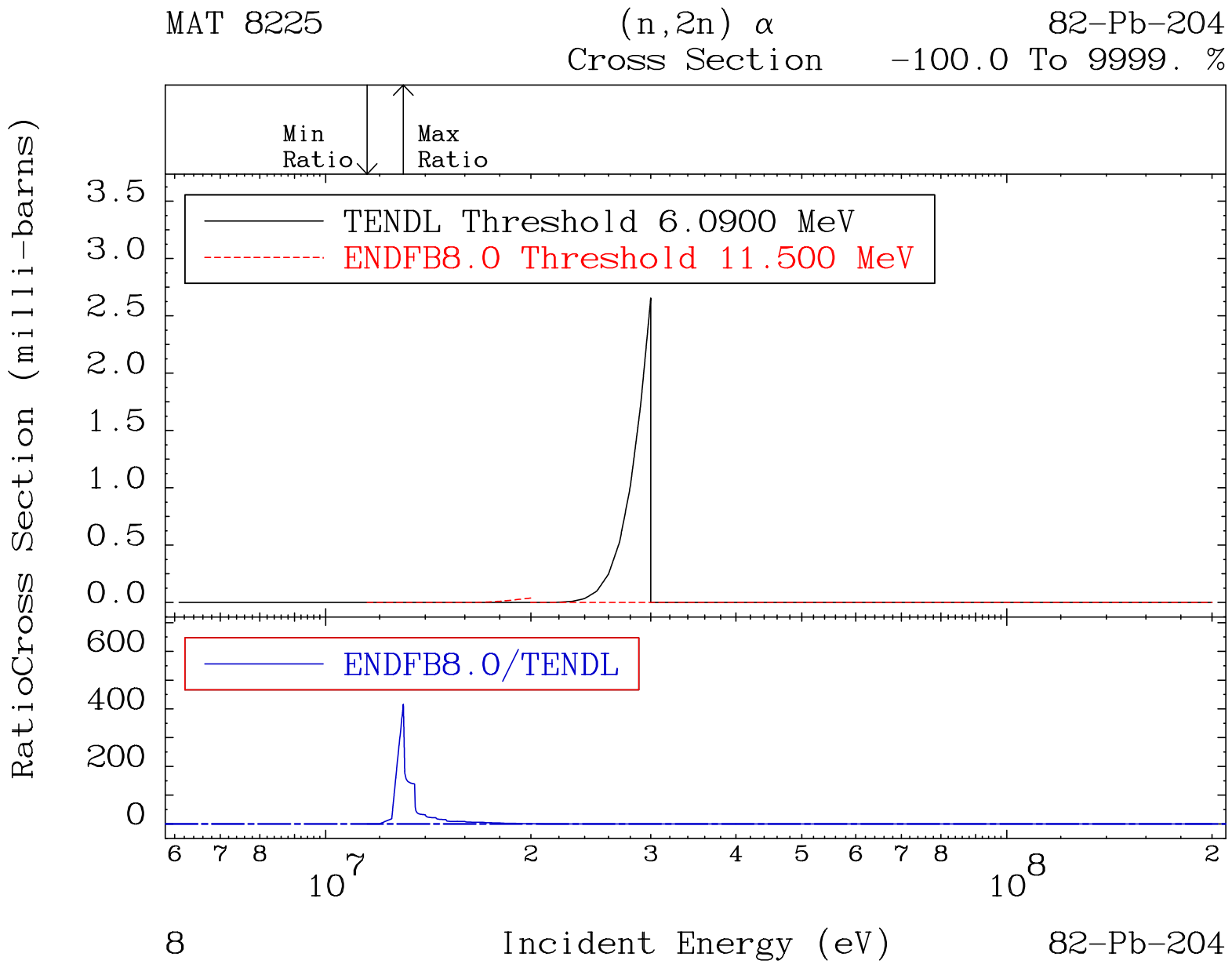

MAT 8225
Inelastic
Cross Section
82-Pb-204
-100.0 To 4.534 %
Max
Ratio
TENDL Threshold 903.61 keV
ENDFB8.0 Threshold 903.61 keV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
82-Pb-204

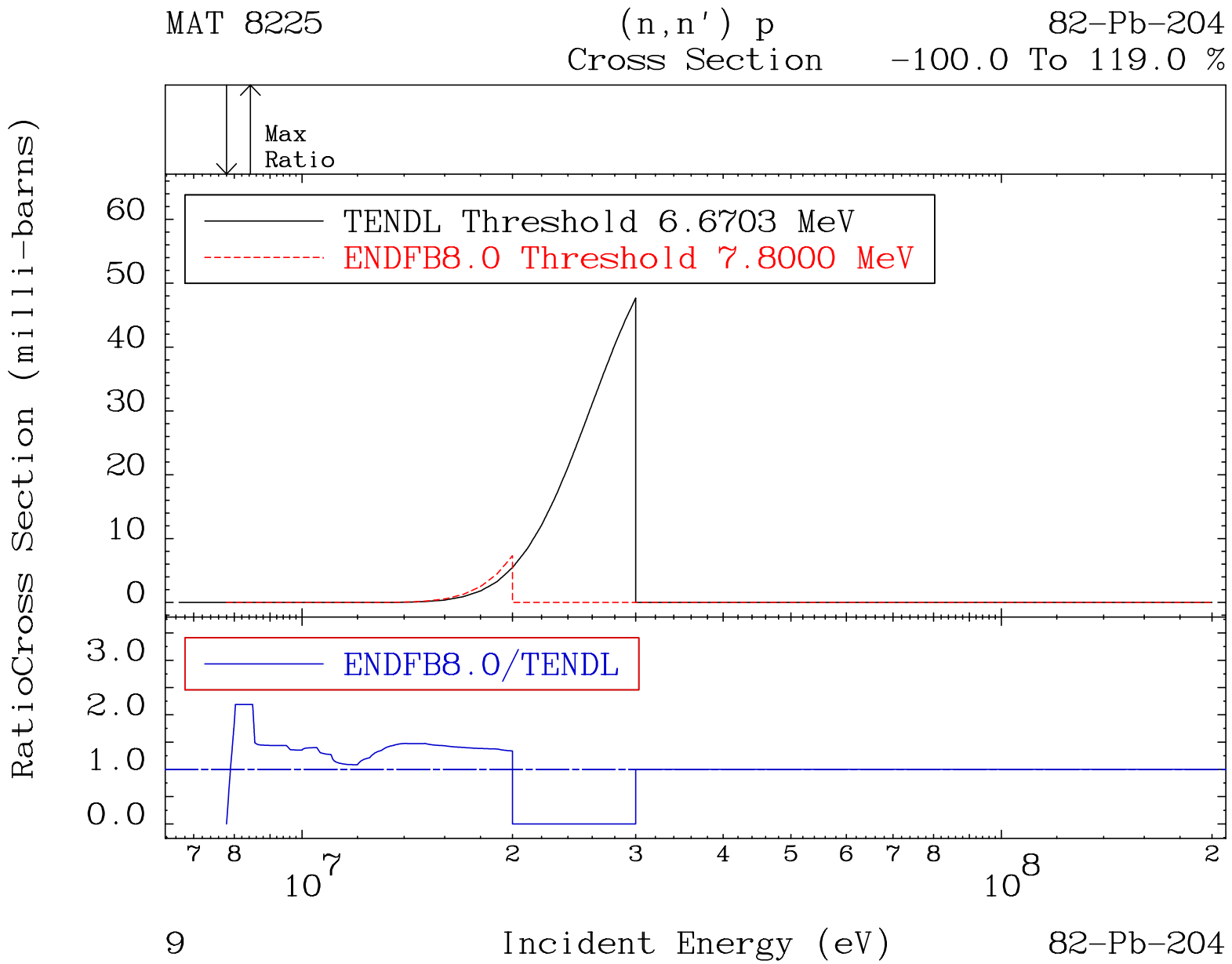

MAT 8225
(n,remainder)
Cross Section
82-Pb-204
-0.046 To 0.027 %
Max Ratio
Min Ratio
TENDL Threshold 30.000 MeV
ENDFB8.0 Threshold 50.000 keV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.02
1.01
1.00
0.99
5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
Incident Energy (eV)
4
82-Pb-204

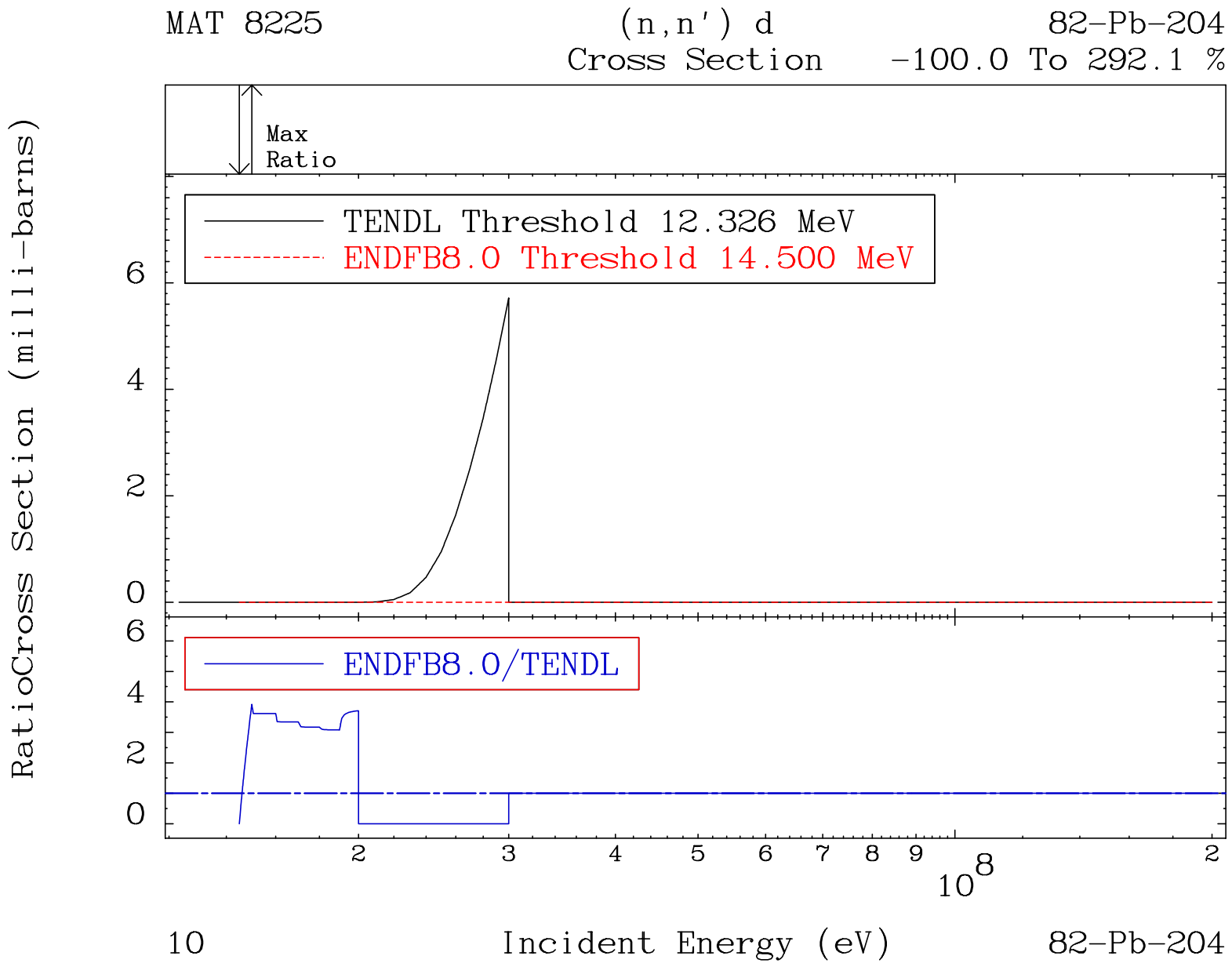

MAT 8225
(n,2n)
Cross Section
82-Pb-204
-100.0 To 42.95 %
Max Ratio
Min Ratio
TENDL Threshold 8.4362 MeV
ENDFB8.0 Threshold 8.4362 MeV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
82-Pb-204
5

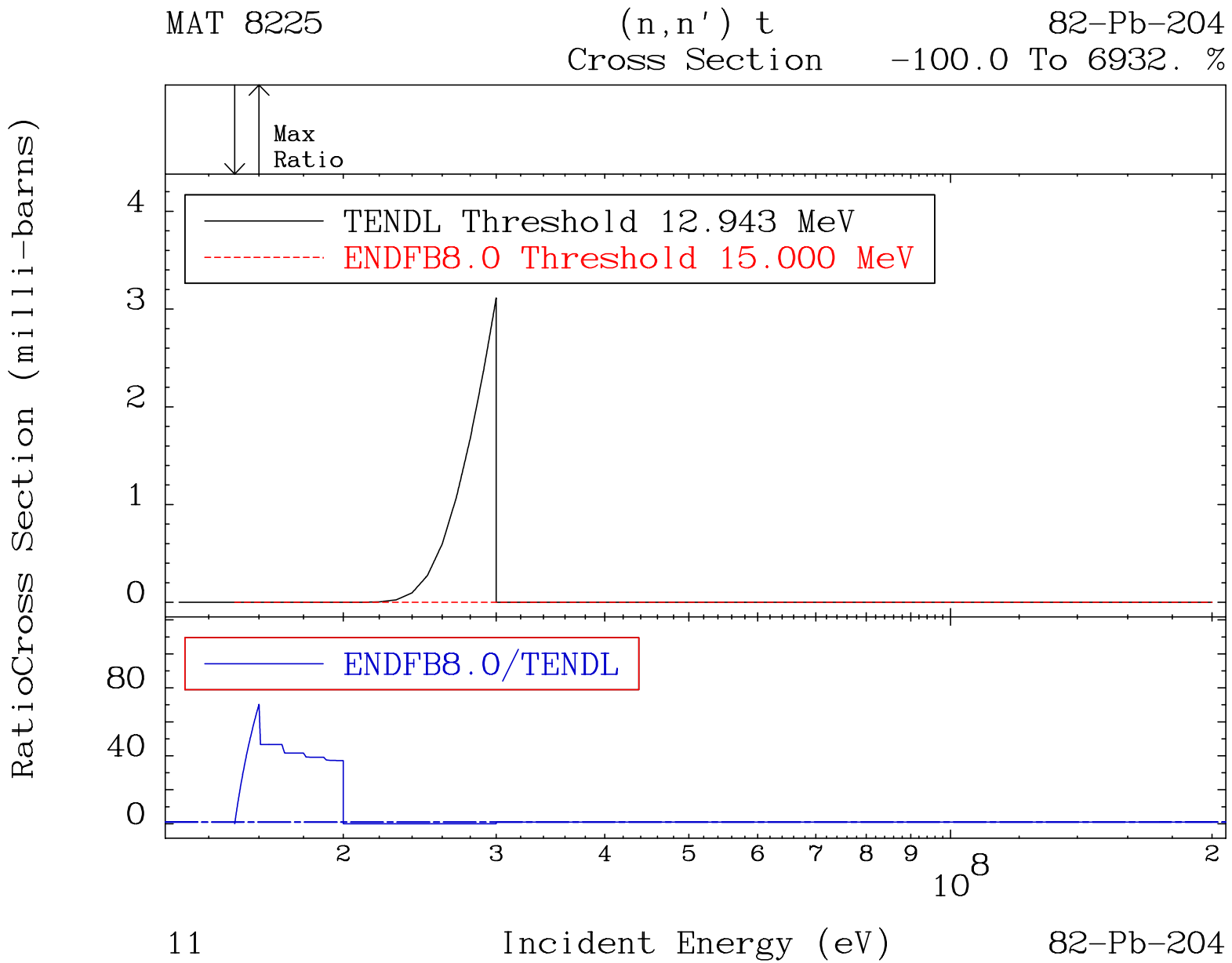

MAT 8225
(n,3n)
Cross Section
82-Pb-204
-100.0 To 26.57 %
Max
Ratio
TENDL Threshold 15.388 MeV
ENDFB8.0 Threshold 15.394 MeV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
82-Pb-204

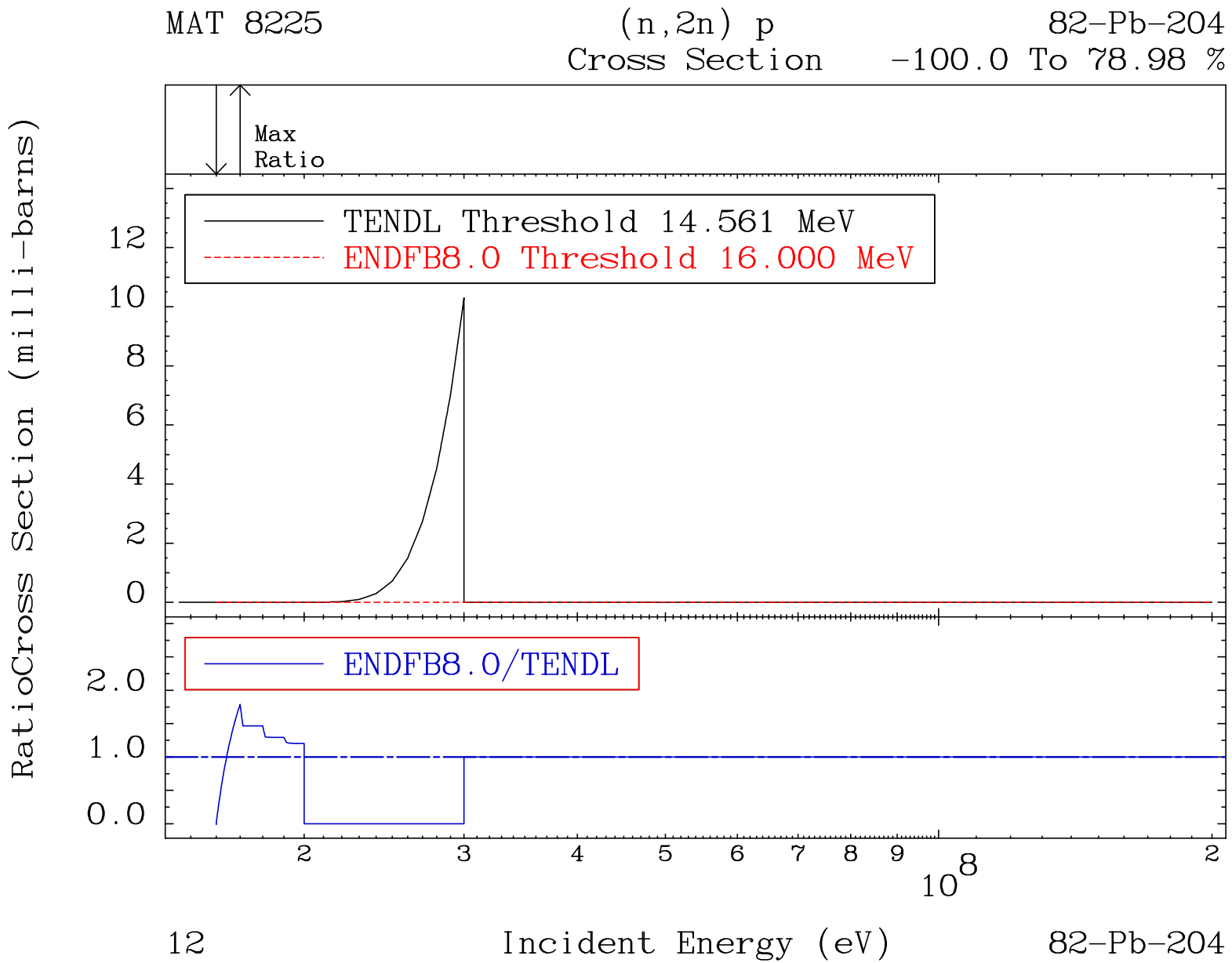

MAT 8225
(n,n') α
Cross Section
82-Pb-204
-100.0 To 9999. %
Max
Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
82-Pb-204
7

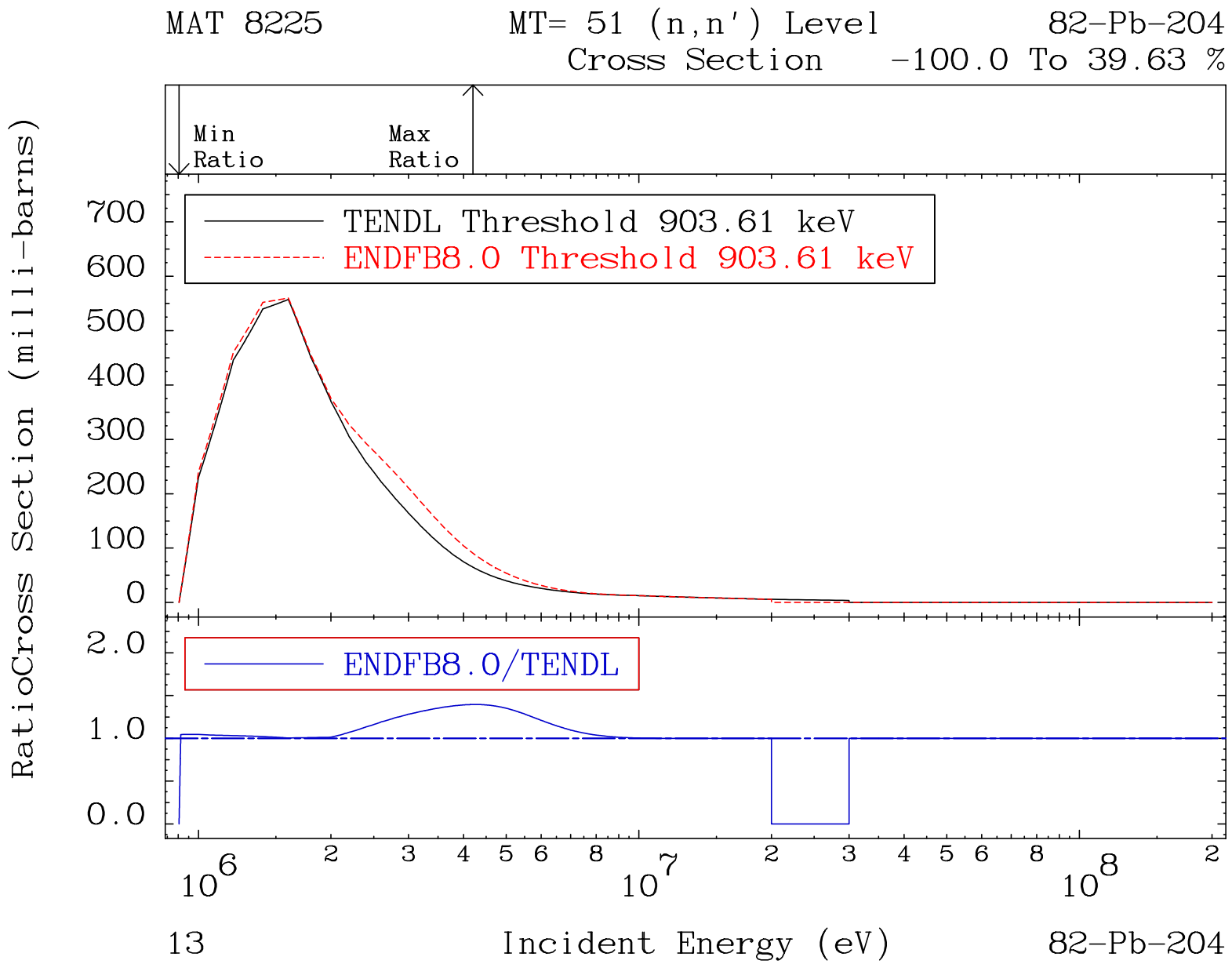

MAT 8225
(n,2n) α
82-Pb-204
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.0900 MeV
ENDFB8.0 Threshold 11.500 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
600
400
200
0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
8
Incident Energy (eV)
82-Pb-204

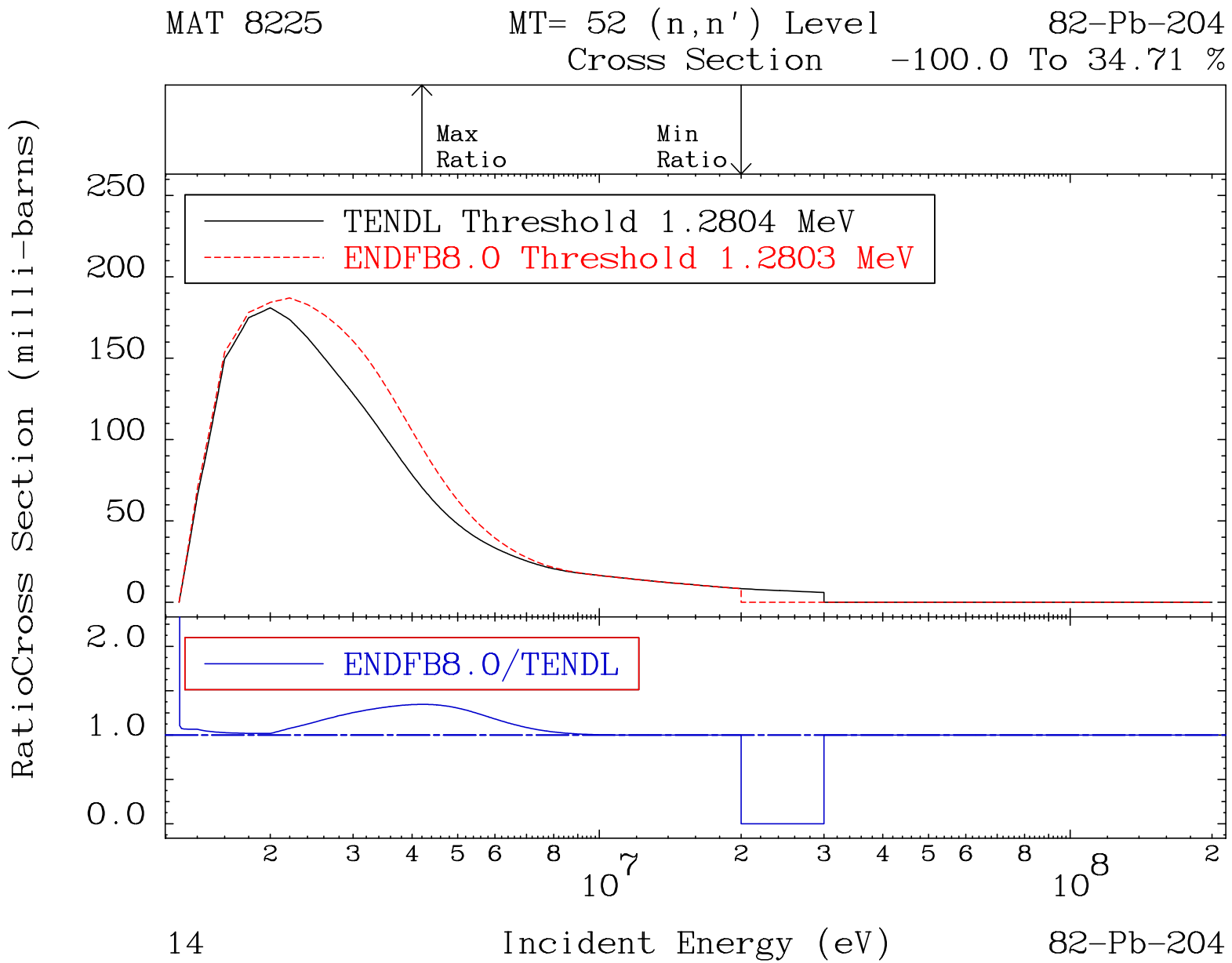

MAT 8225
(n,n') p
Cross Section
82-Pb-204
-100.0 To 119.0 %
Max
Ratio
TENDL Threshold 6.6703 MeV
ENDFB8.0 Threshold 7.8000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
3.0
2.0
1.0
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
9
Incident Energy (eV)
82-Pb-204

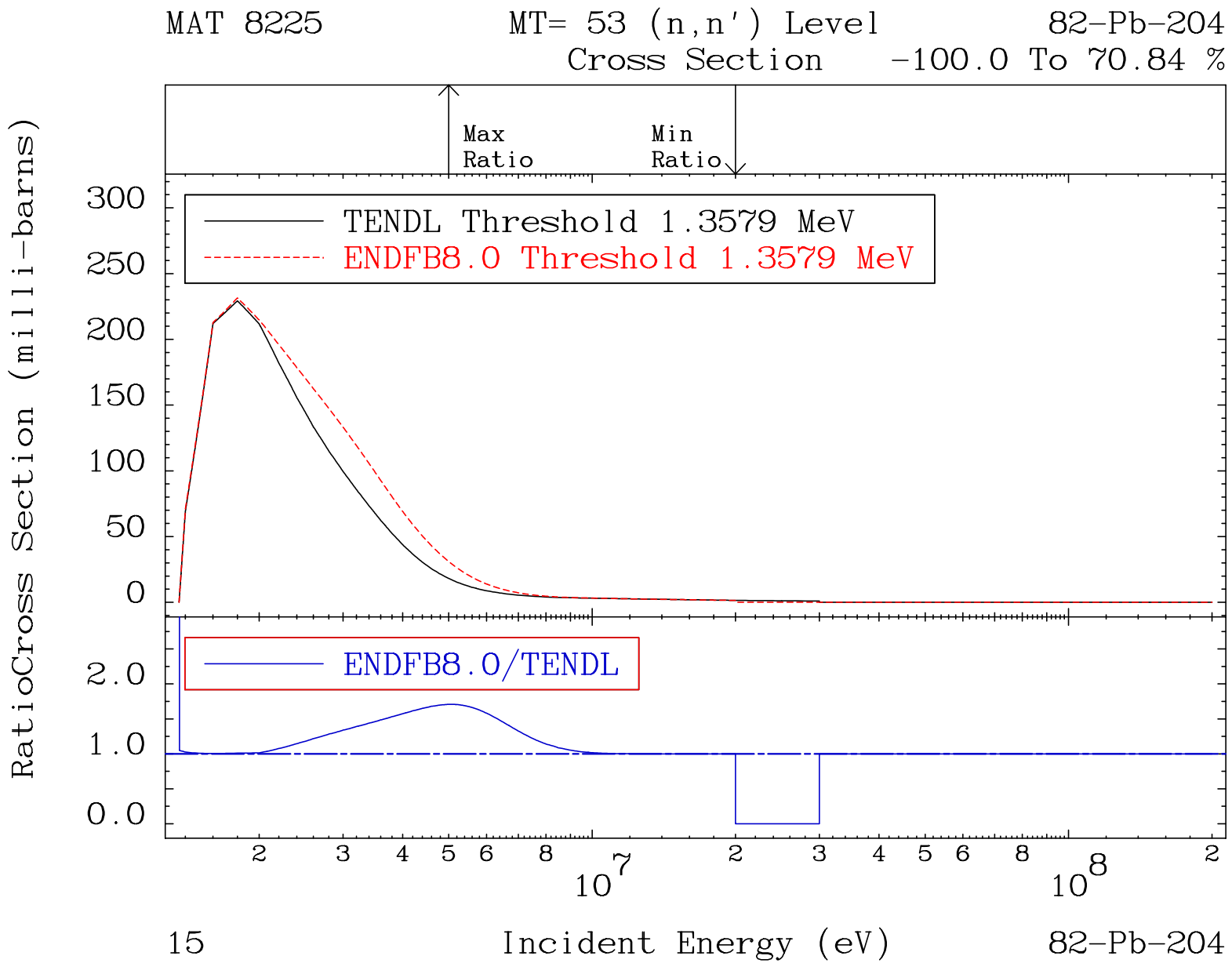

MAT 8225
(n,n') d
Cross Section
82-Pb-204
-100.0 To 292.1 %
Max
Ratio
TENDL Threshold 12.326 MeV
ENDFB8.0 Threshold 14.500 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
10
82-Pb-204

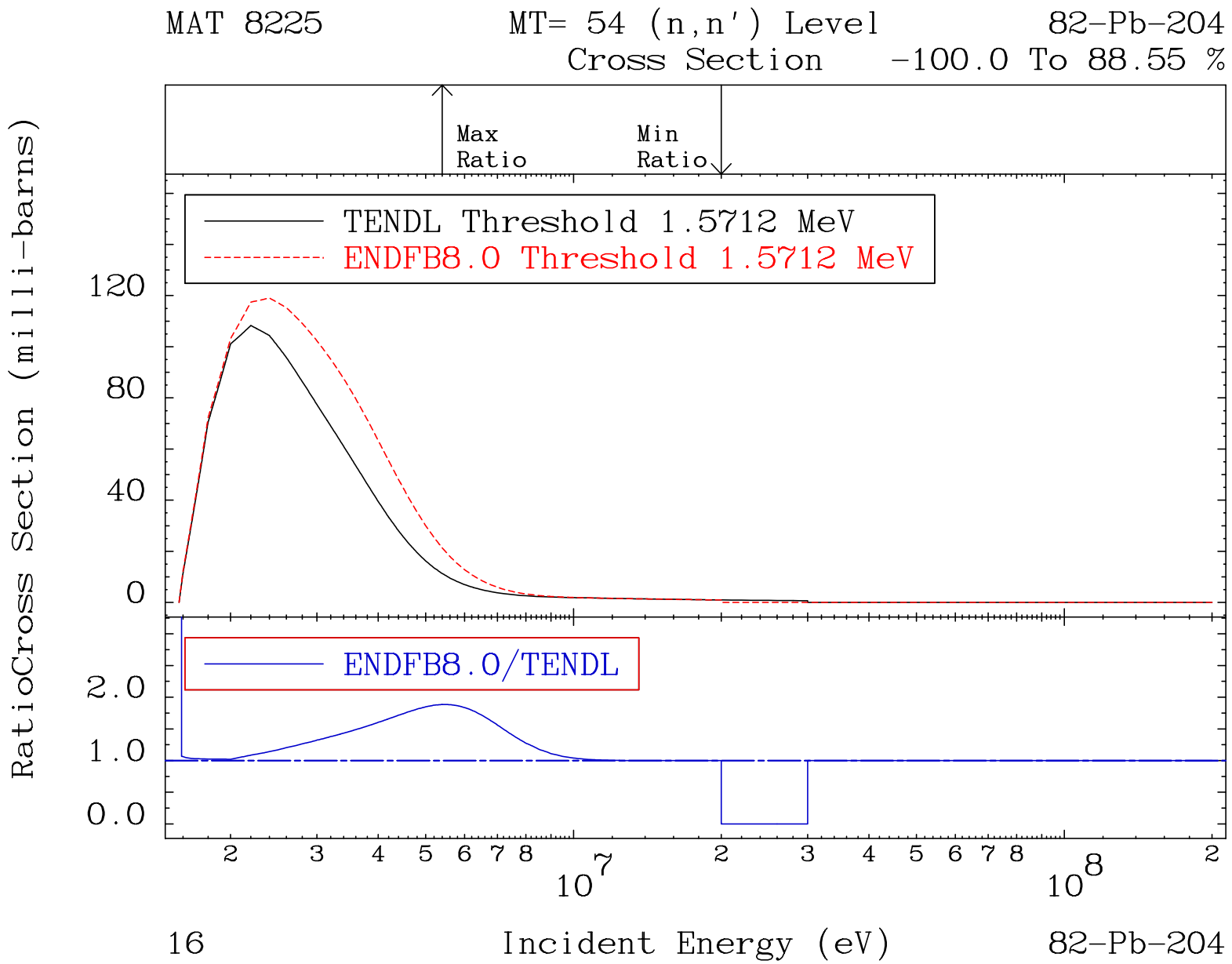

MAT 8225
(n,n') t
Cross Section
82-Pb-204
-100.0 To 6932. %
Max
Ratio
TENDL Threshold 12.943 MeV
ENDFB8.0 Threshold 15.000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
4
3
2
1
0
80
40
0
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
82-Pb-204

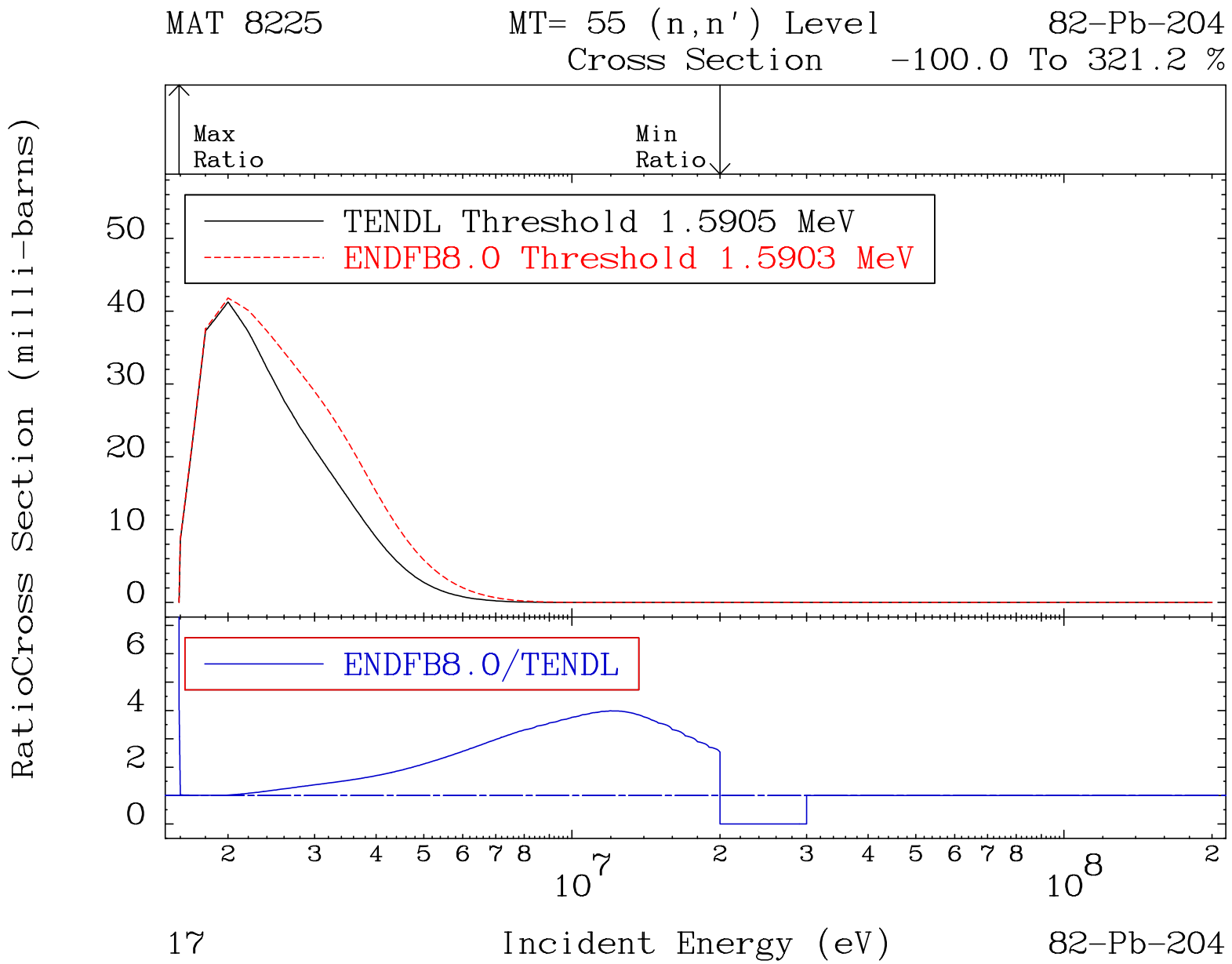

MAT 8225
(n,2n) p
Cross Section
82-Pb-204
-100.0 To 78.98 %
Max
Ratio
TENDL Threshold 14.561 MeV
ENDFB8.0 Threshold 16.000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
82-Pb-204

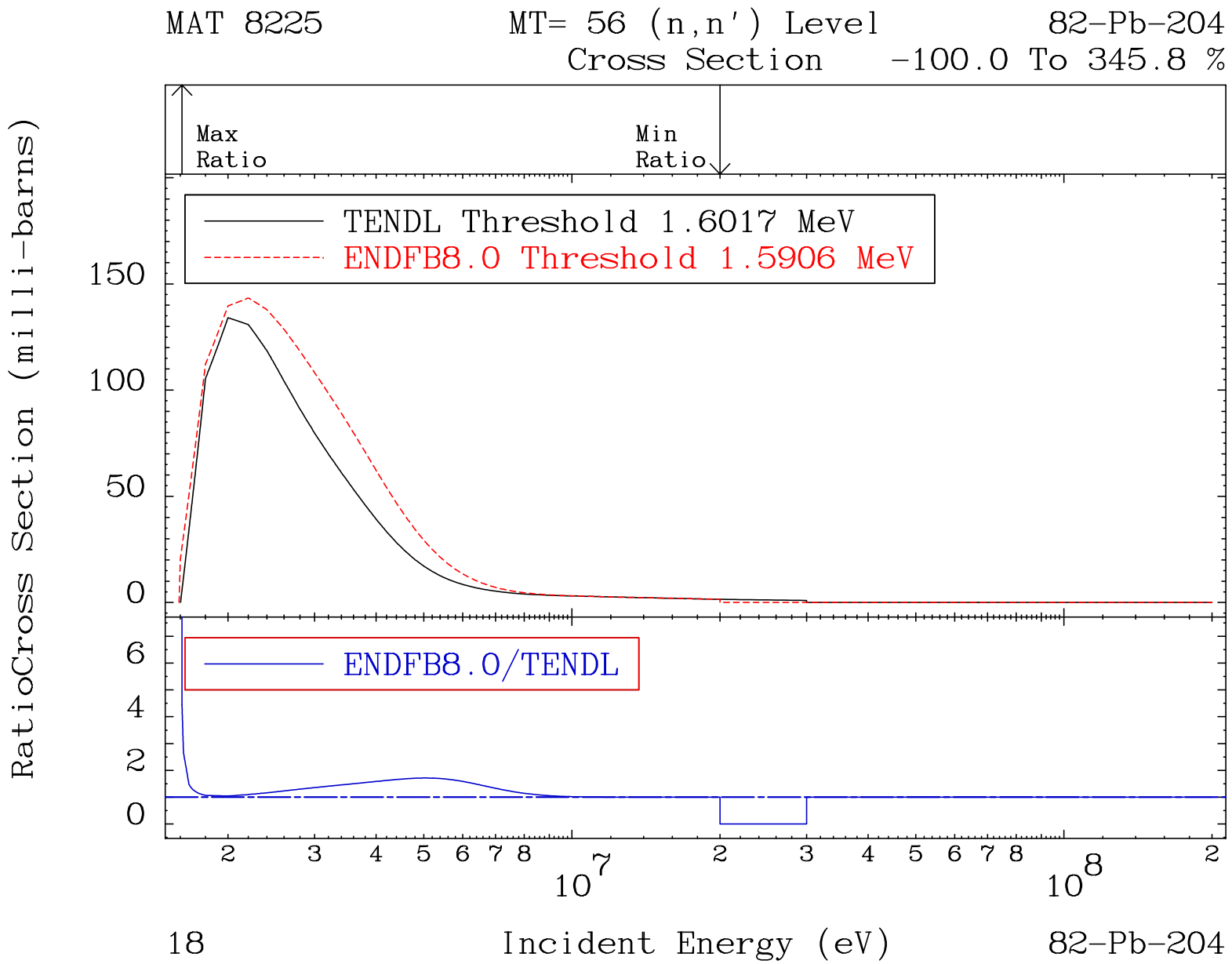

MAT 8225
MT= 51 (n,n') Level
82-Pb-204
Cross Section
-100.0 To 39.63 %
Min Ratio
Max Ratio
TENDL Threshold 903.61 keV
ENDFB8.0 Threshold 903.61 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
700
600
500
400
300
200
100
0
2.0
1.0
0.0
10^6
10^7
10^8
13
Incident Energy (eV)
82-Pb-204

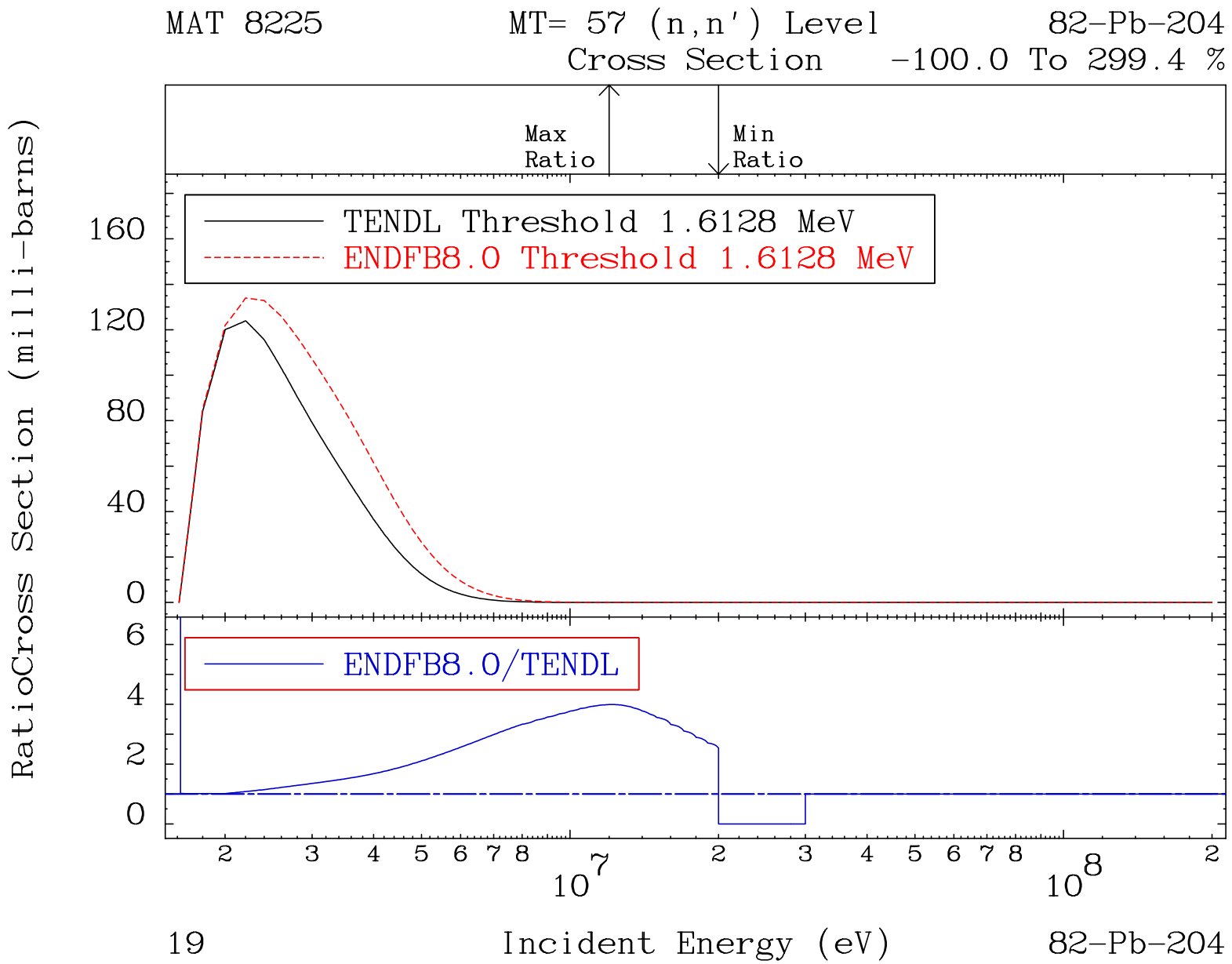

MAT 8225
MT= 52 (n,n') Level
82-Pb-204
Cross Section -100.0 To 34.71 %
Max Ratio
Min Ratio
TENDL Threshold 1.2804 MeV
ENDFB8.0 Threshold 1.2803 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
14
Incident Energy (eV)
82-Pb-204

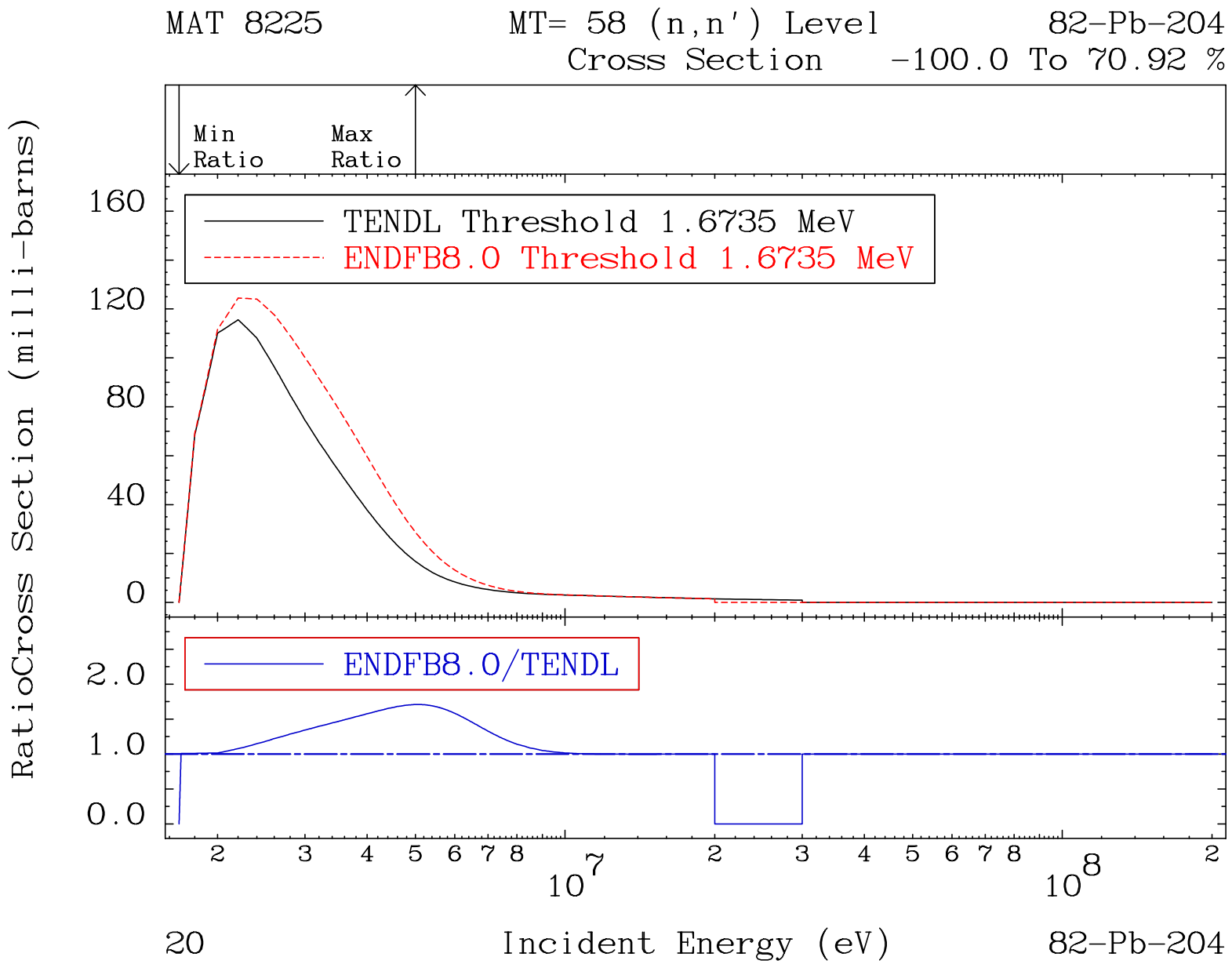

MAT 8225
MT= 53 (n,n') Level
82-Pb-204
Cross Section -100.0 To 70.84 %
Max Ratio
Min Ratio
TENDL Threshold 1.3579 MeV
ENDFB8.0 Threshold 1.3579 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
15
Incident Energy (eV)
82-Pb-204

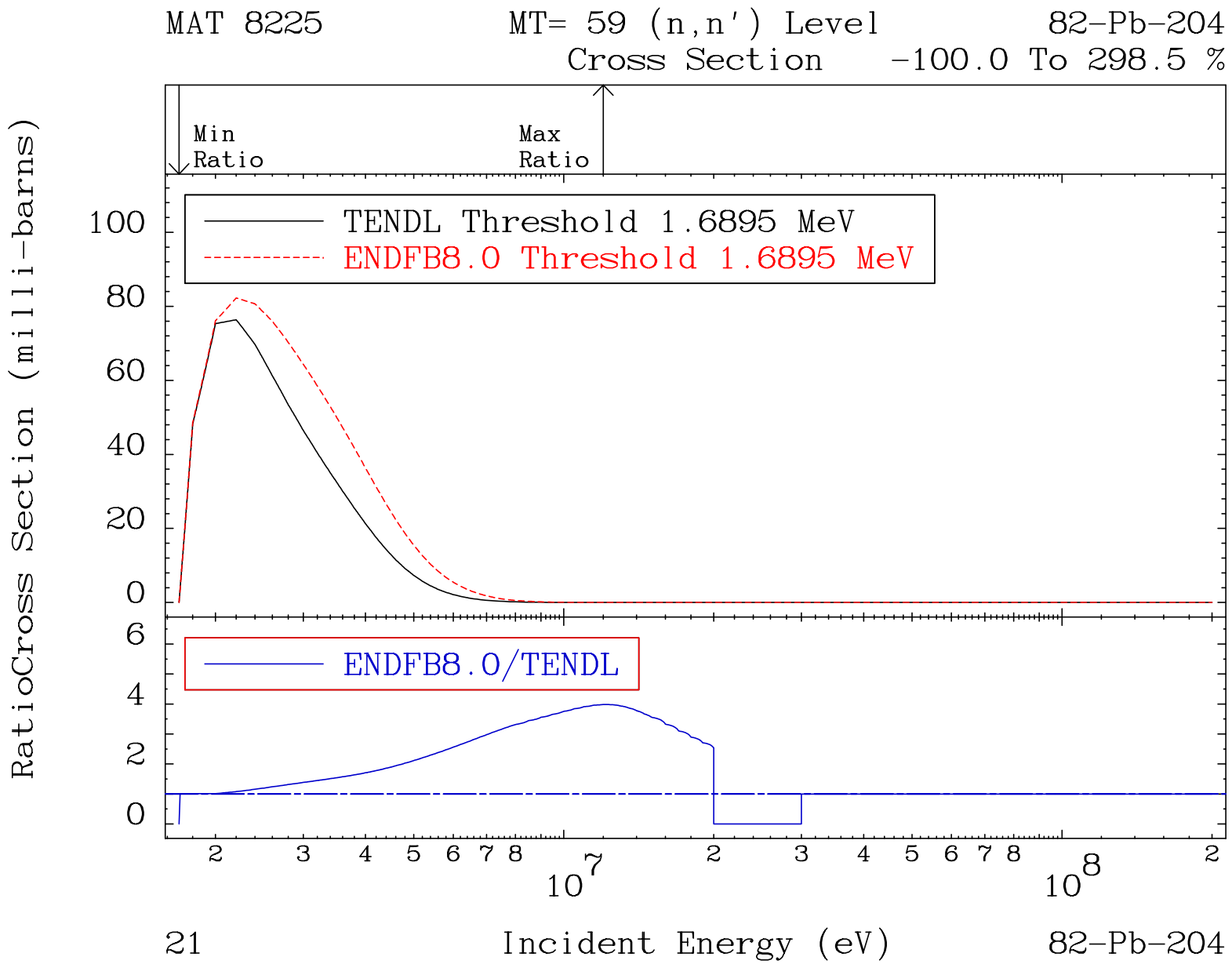

MAT 8225
MT= 54 (n,n') Level
82-Pb-204
Cross Section -100.0 To 88.55 %
Max Ratio
Min Ratio
TENDL Threshold 1.5712 MeV
ENDFB8.0 Threshold 1.5712 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
120
80
40
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
82-Pb-204

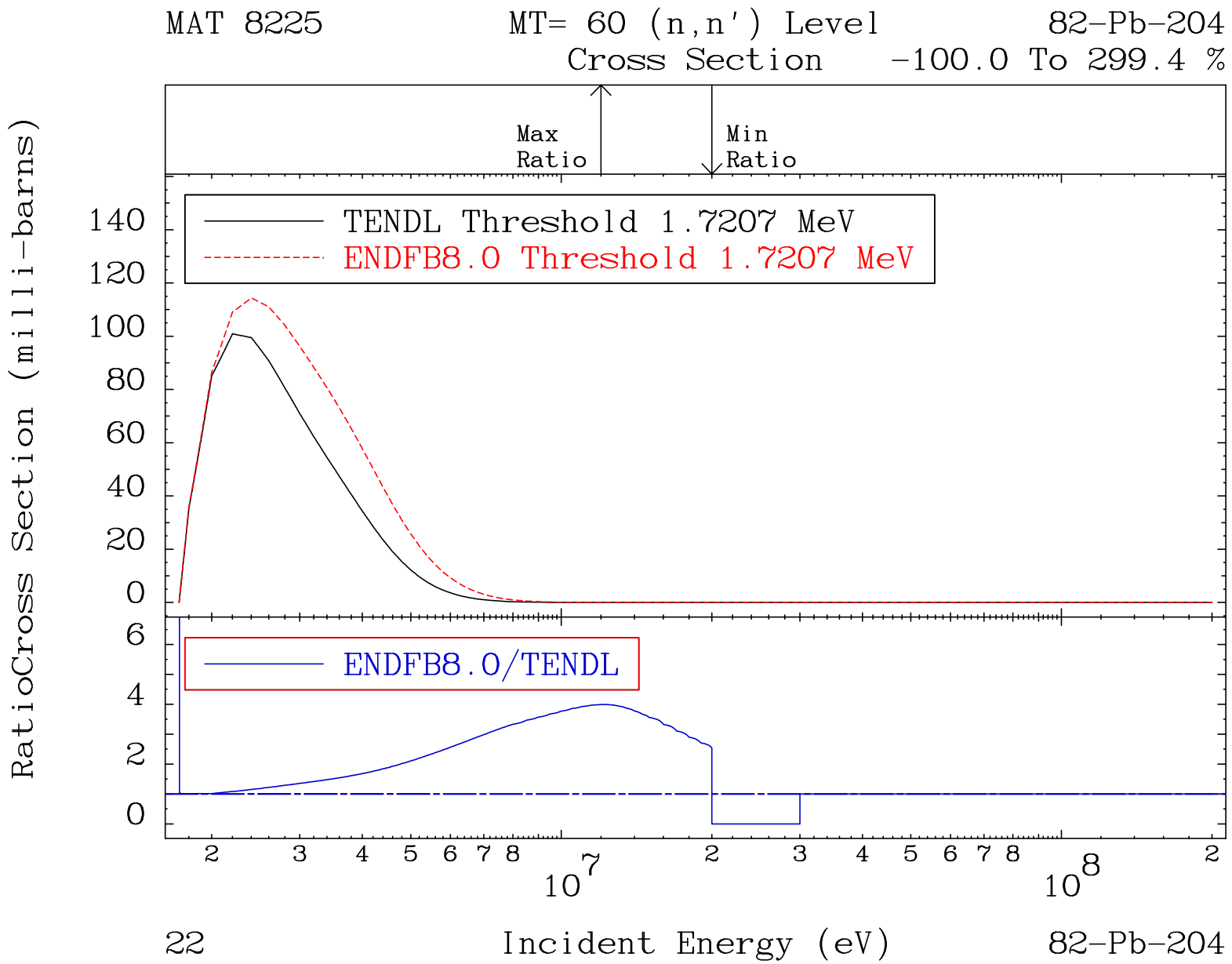

MAT 8225
MT= 55 (n,n') Level
82-Pb-204
Cross Section -100.0 To 321.2 %
Max Ratio
Min Ratio
TENDL Threshold 1.5905 MeV
ENDFB8.0 Threshold 1.5903 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
6
4
2
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
82-Pb-204

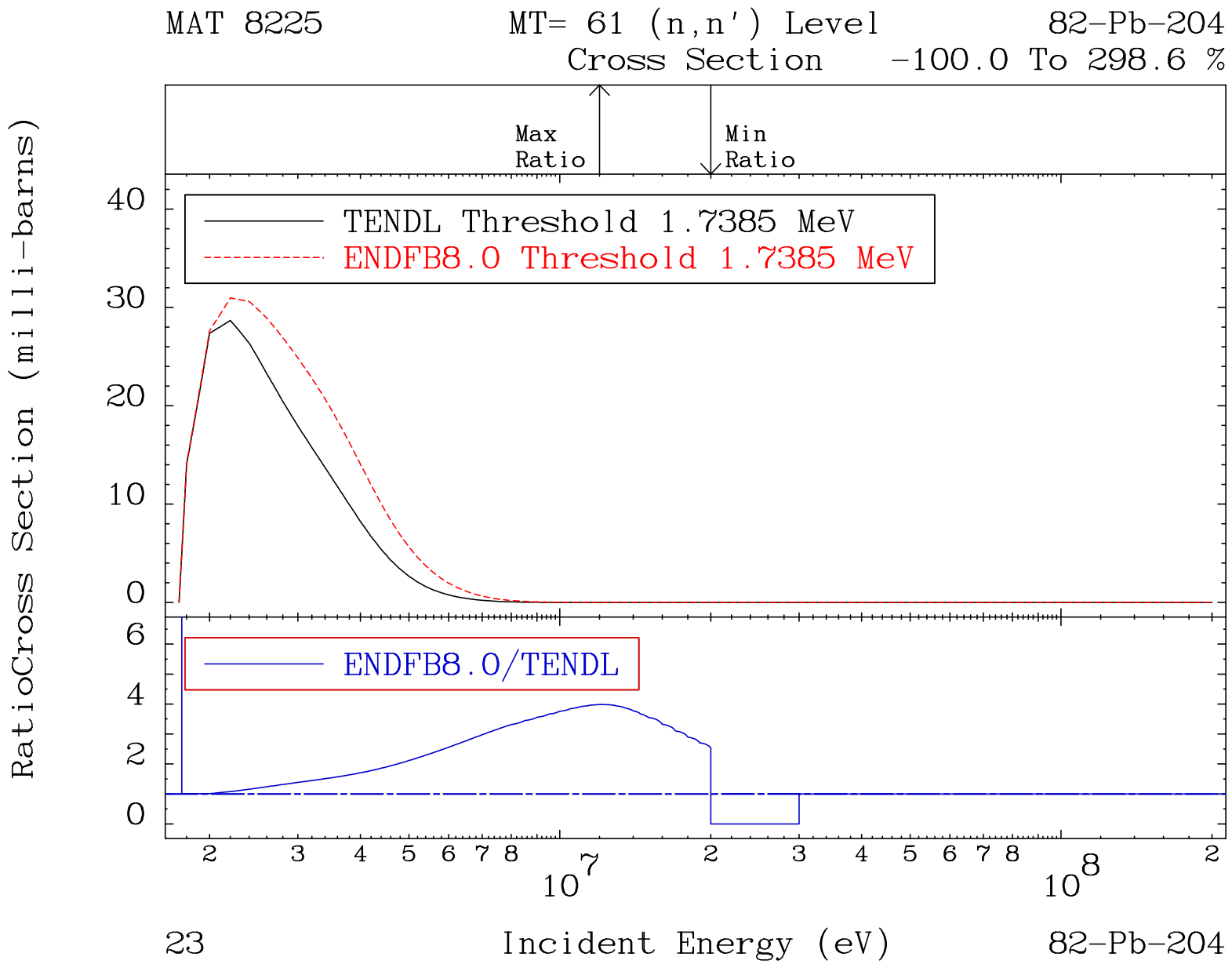

MAT 8225
MT= 56 (n,n') Level
82-Pb-204
Cross Section -100.0 To 345.8 %
Max Ratio
Min Ratio
TENDL Threshold 1.6017 MeV
ENDFB8.0 Threshold 1.5906 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
150
100
50
0
6
4
2
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
18
Incident Energy (eV)
82-Pb-204

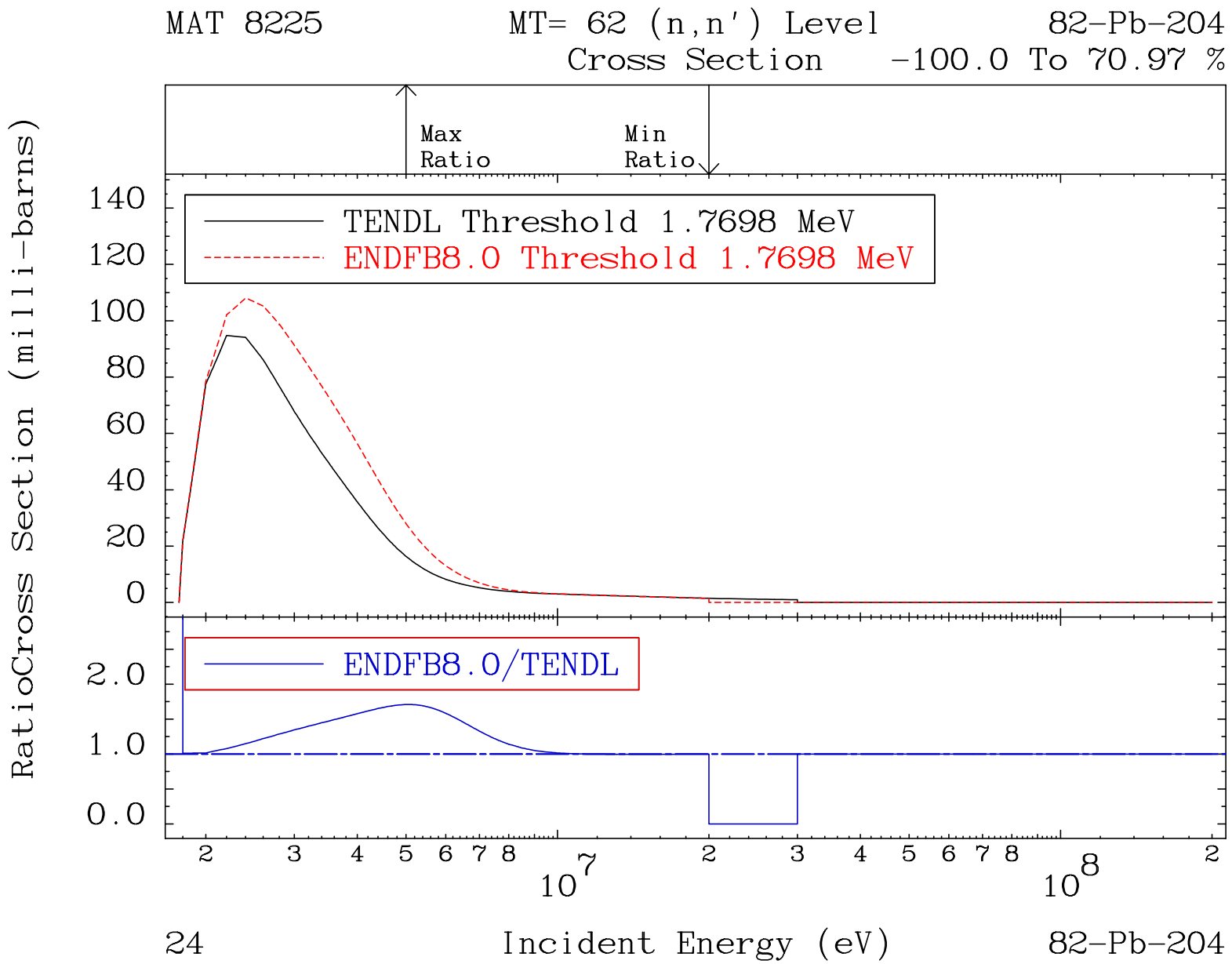

MAT 8225
MT= 57 (n,n') Level
82-Pb-204
Cross Section -100.0 To 299.4 %
Max Ratio
Min Ratio
TENDL Threshold 1.6128 MeV
ENDFB8.0 Threshold 1.6128 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
6
4
2
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
82-Pb-204

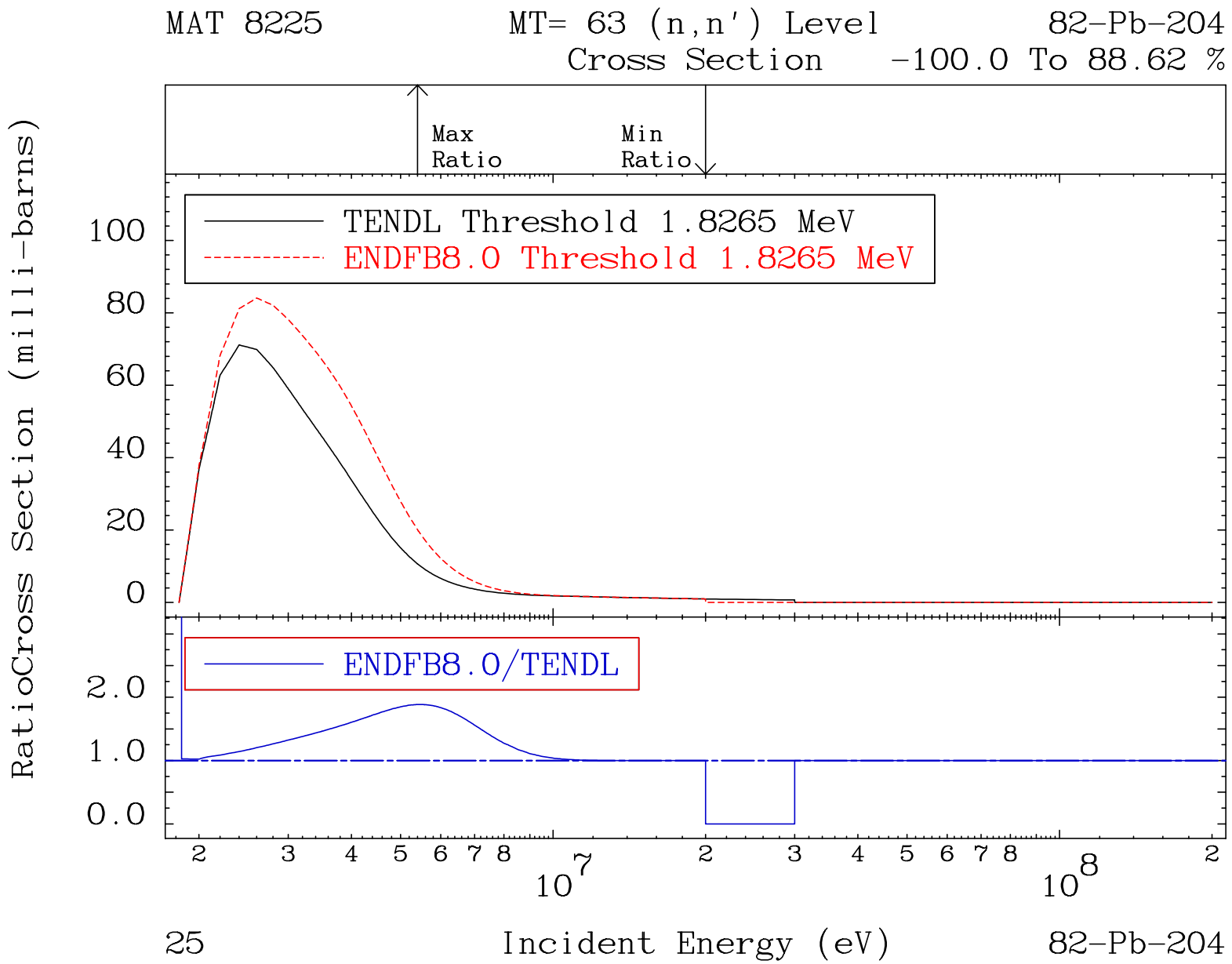

MAT 8225
MT= 58 (n,n') Level
82-Pb-204
Cross Section -100.0 To 70.92 %
Min Ratio
Max Ratio
TENDL Threshold 1.6735 MeV
ENDFB8.0 Threshold 1.6735 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
20
Incident Energy (eV)
82-Pb-204

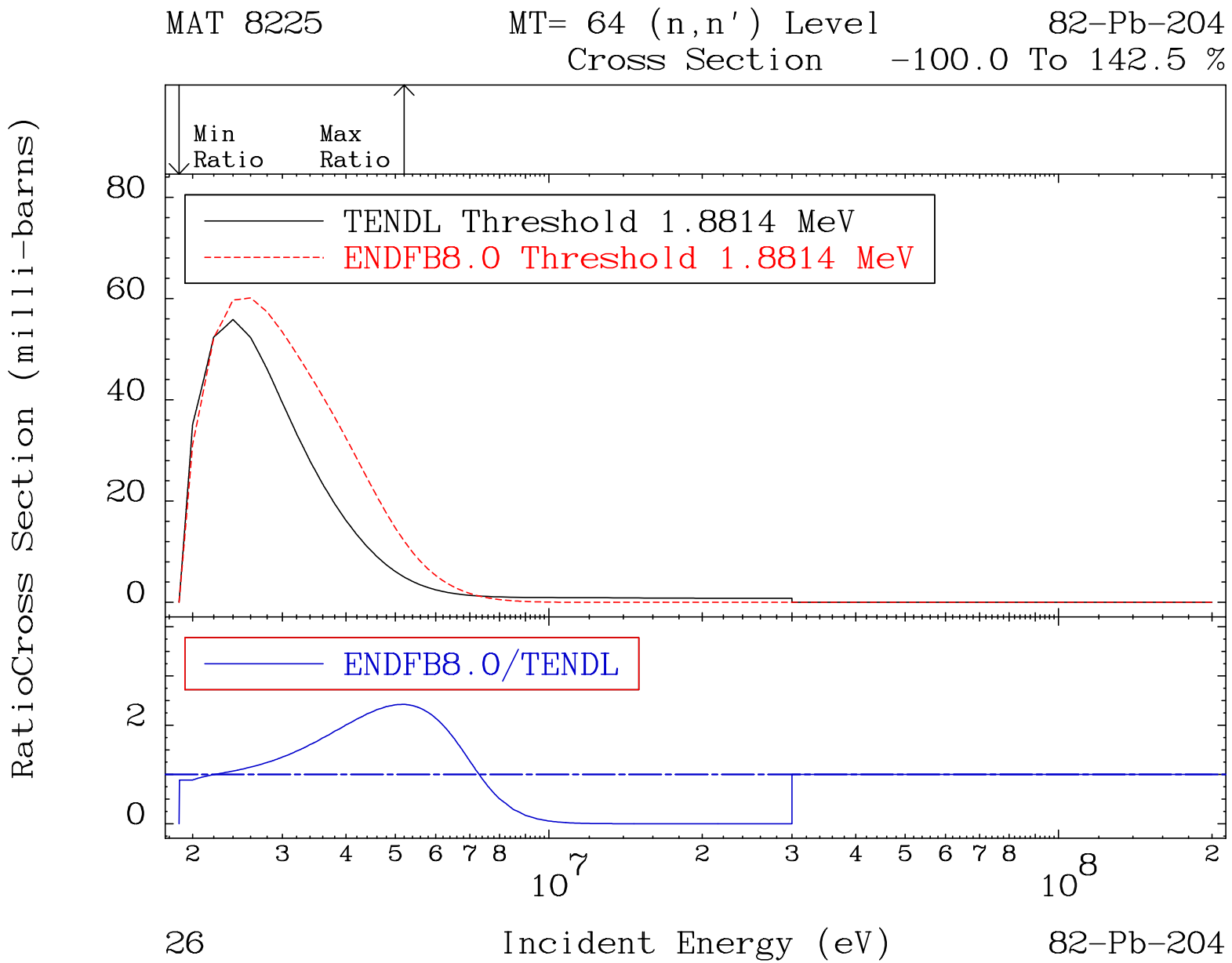

MAT 8225
MT= 59 (n,n') Level
82-Pb-204
Cross Section -100.0 To 298.5 %
Min Ratio
Max Ratio
TENDL Threshold 1.6895 MeV
ENDFB8.0 Threshold 1.6895 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
6
4
2
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
82-Pb-204

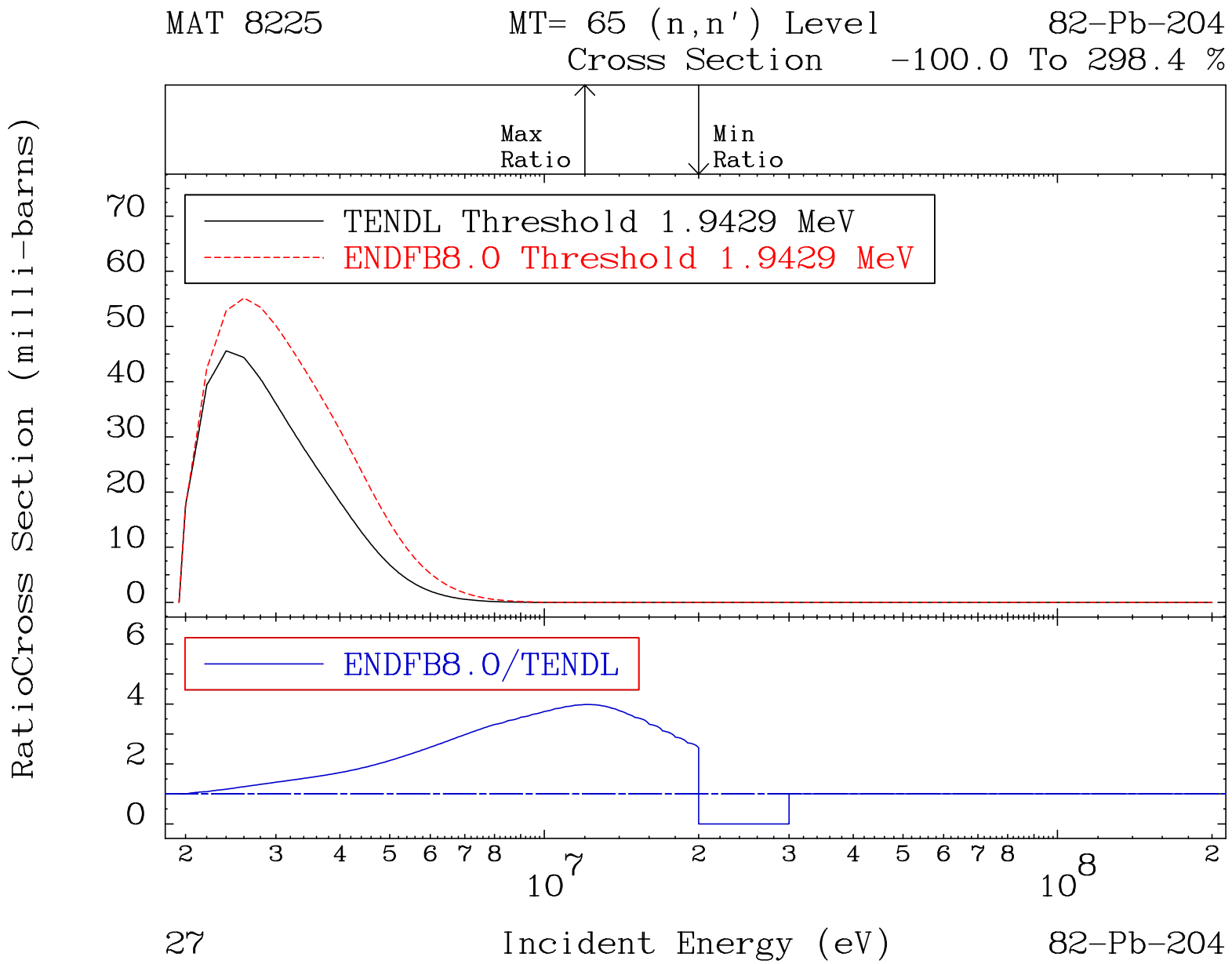

MAT 8225
MT= 60 (n,n') Level
82-Pb-204
Cross Section -100.0 To 299.4 %
Max Ratio
Min Ratio
TENDL Threshold 1.7207 MeV
ENDFB8.0 Threshold 1.7207 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
6
4
2
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
82-Pb-204

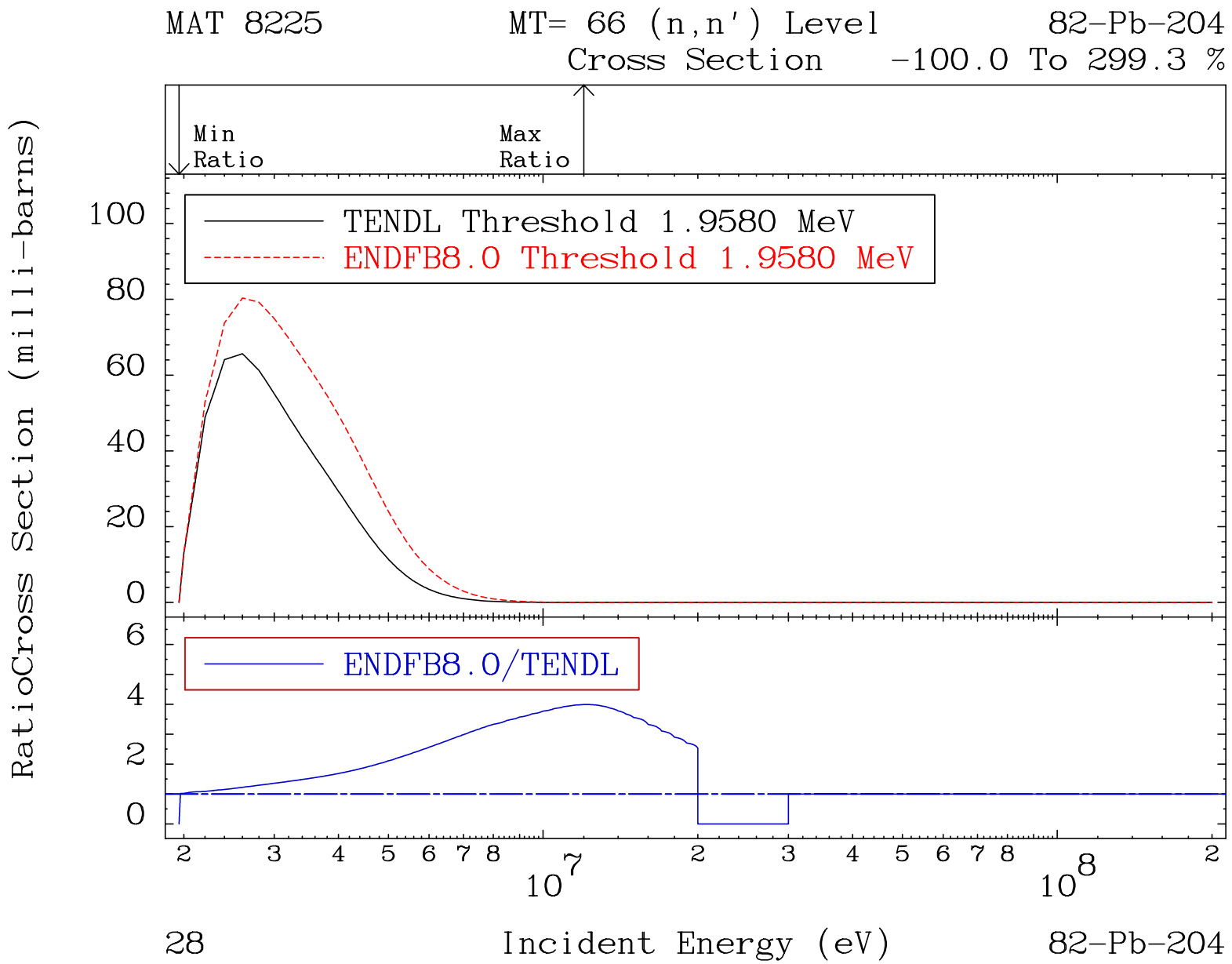

MAT 8225
MT= 61 (n,n') Level
82-Pb-204
Cross Section -100.0 To 298.6 %
Max Ratio
Min Ratio
TENDL Threshold 1.7385 MeV
ENDFB8.0 Threshold 1.7385 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
6
4
2
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
82-Pb-204

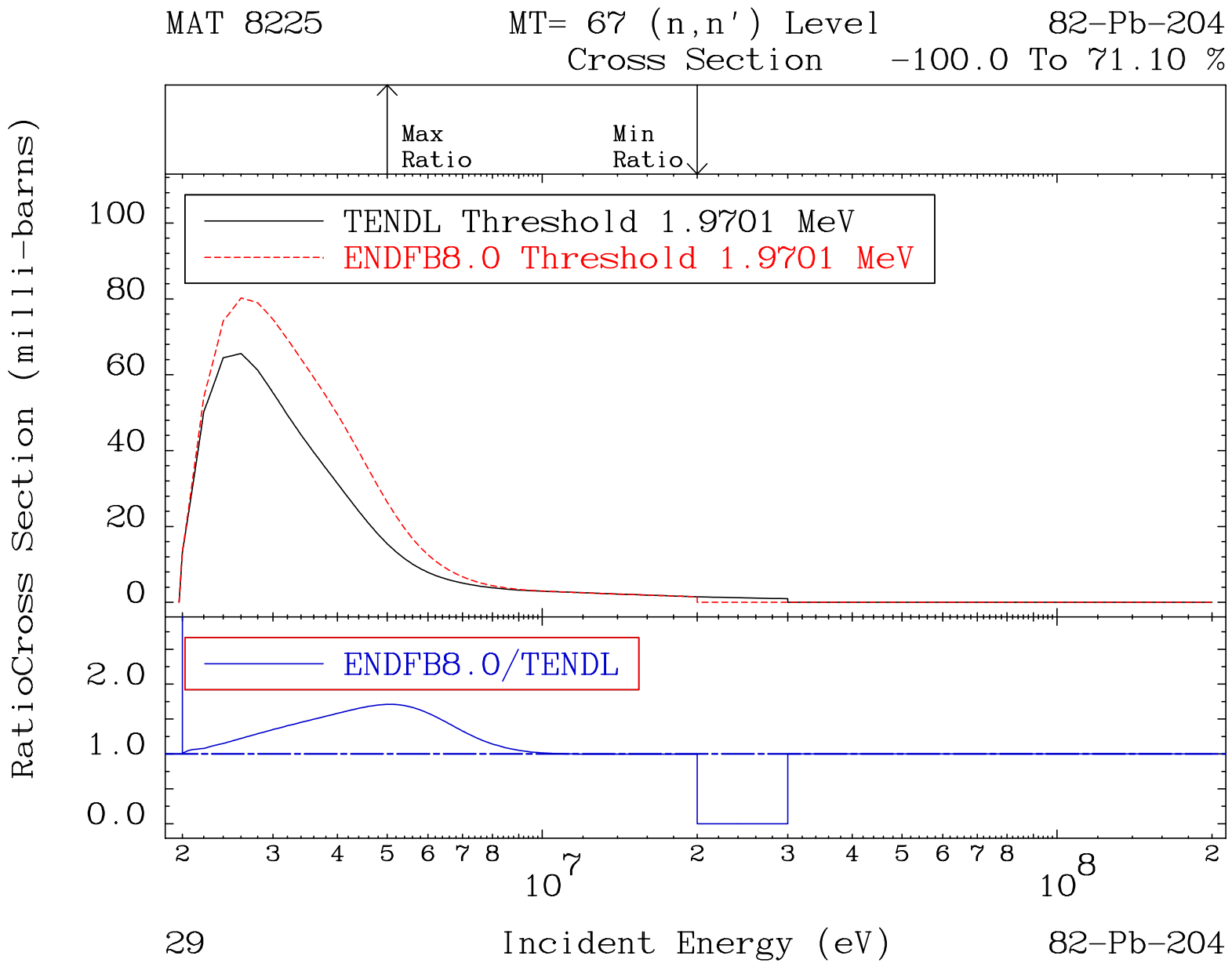

MAT 8225
MT= 62 (n,n') Level
82-Pb-204
Cross Section -100.0 To 70.97 %
Max Ratio
Min Ratio
TENDL Threshold 1.7698 MeV
ENDFB8.0 Threshold 1.7698 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
82-Pb-204

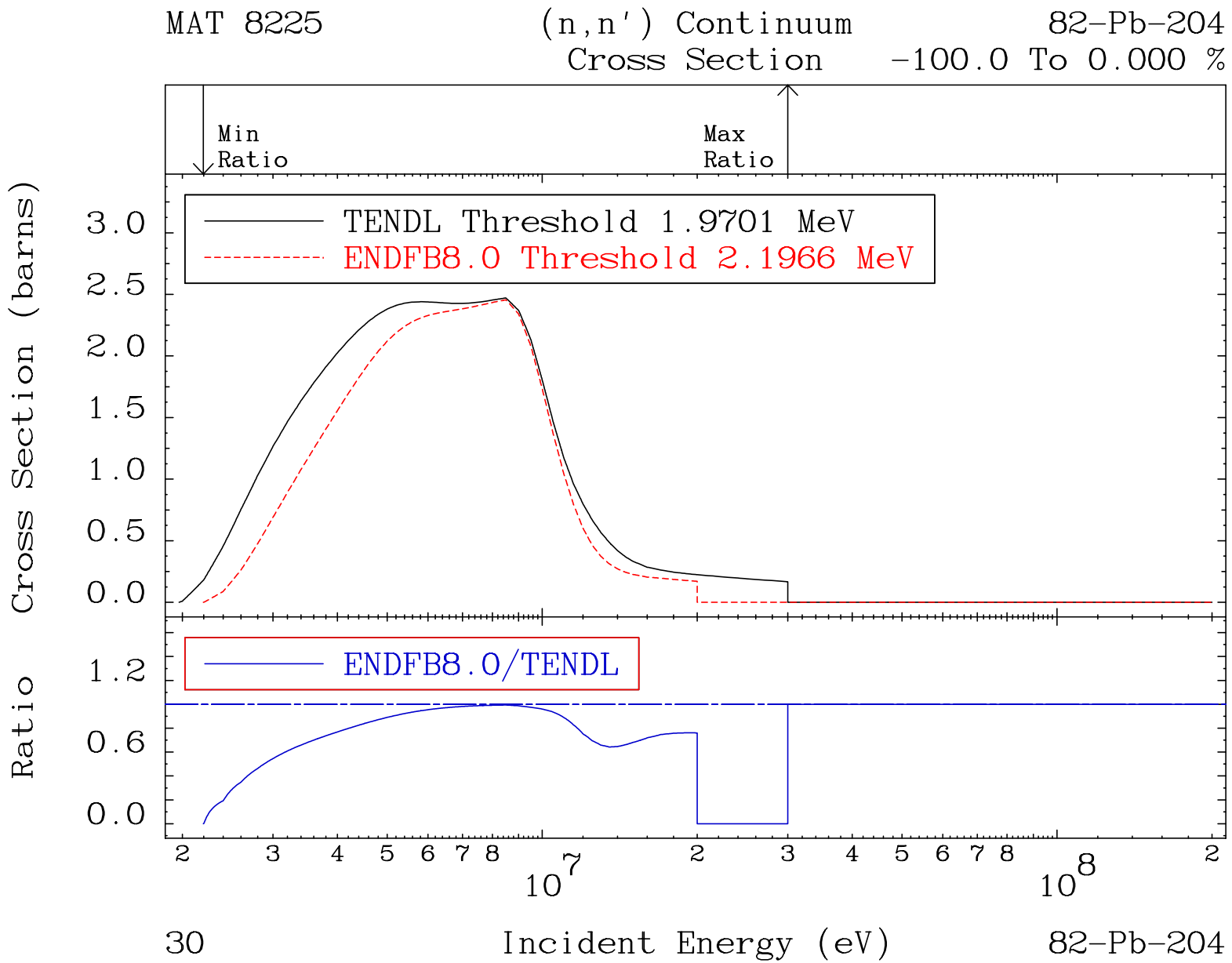

MAT 8225
MT= 63 (n,n') Level
82-Pb-204
Cross Section -100.0 To 88.62 %
Max Ratio
Min Ratio
TENDL Threshold 1.8265 MeV
ENDFB8.0 Threshold 1.8265 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
82-Pb-204

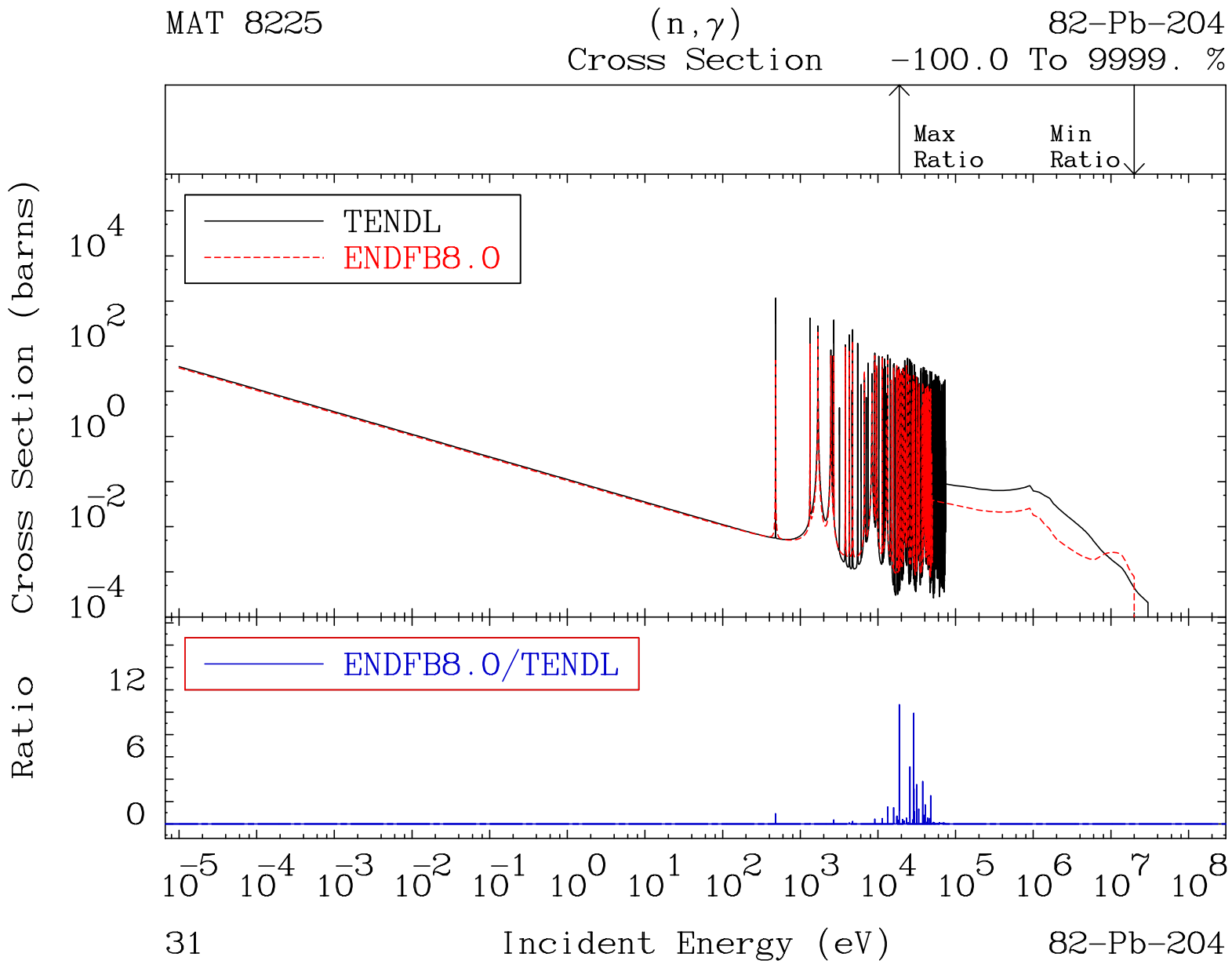

MAT 8225
MT= 64 (n,n') Level
82-Pb-204
Cross Section -100.0 To 142.5 %
Min Ratio
Max Ratio
TENDL Threshold 1.8814 MeV
ENDFB8.0 Threshold 1.8814 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
26
82-Pb-204

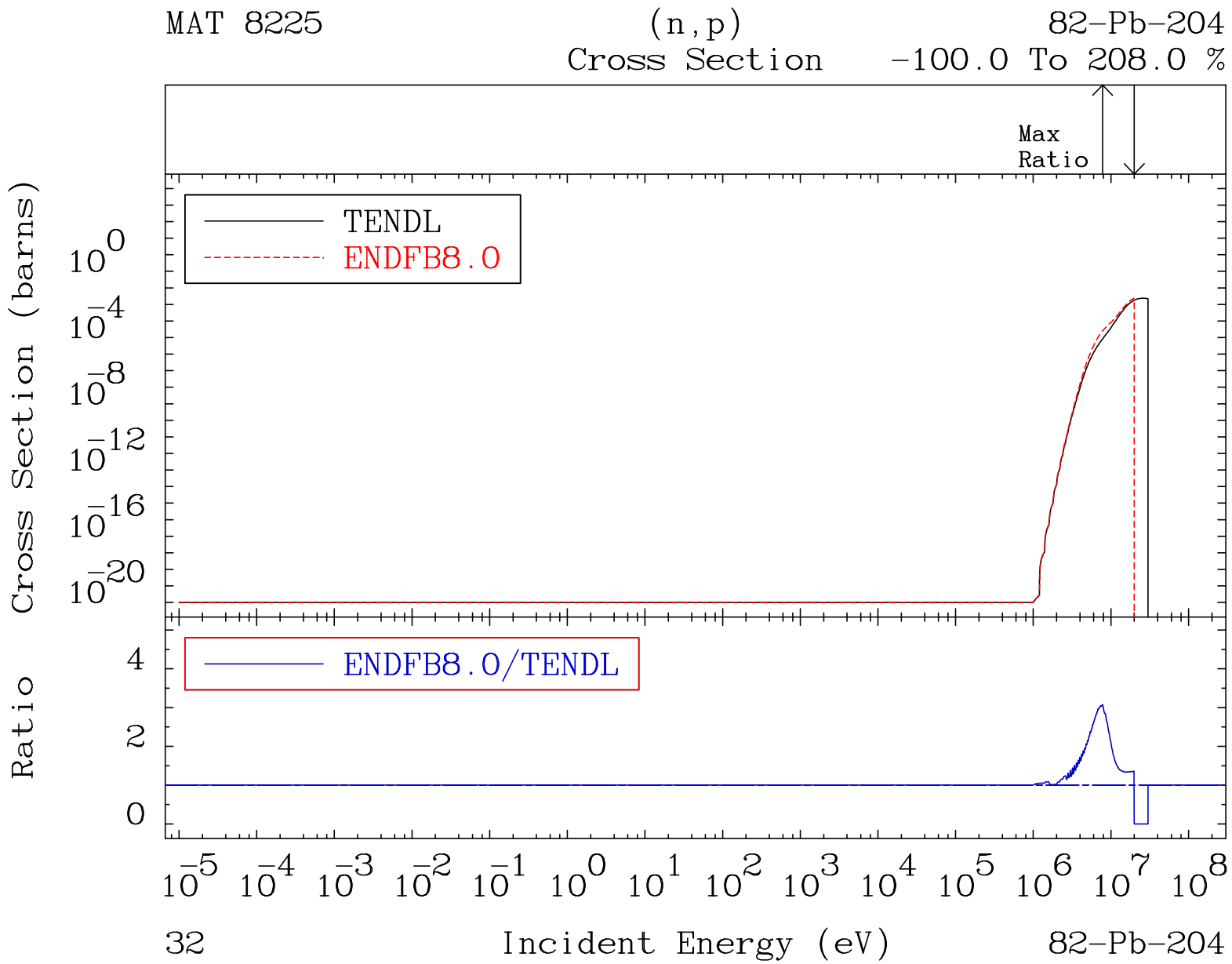

MAT 8225
MT= 65 (n,n') Level
82-Pb-204
Cross Section -100.0 To 298.4 %
Max Ratio
Min Ratio
TENDL Threshold 1.9429 MeV
ENDFB8.0 Threshold 1.9429 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
6
4
2
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
27
Incident Energy (eV)
82-Pb-204

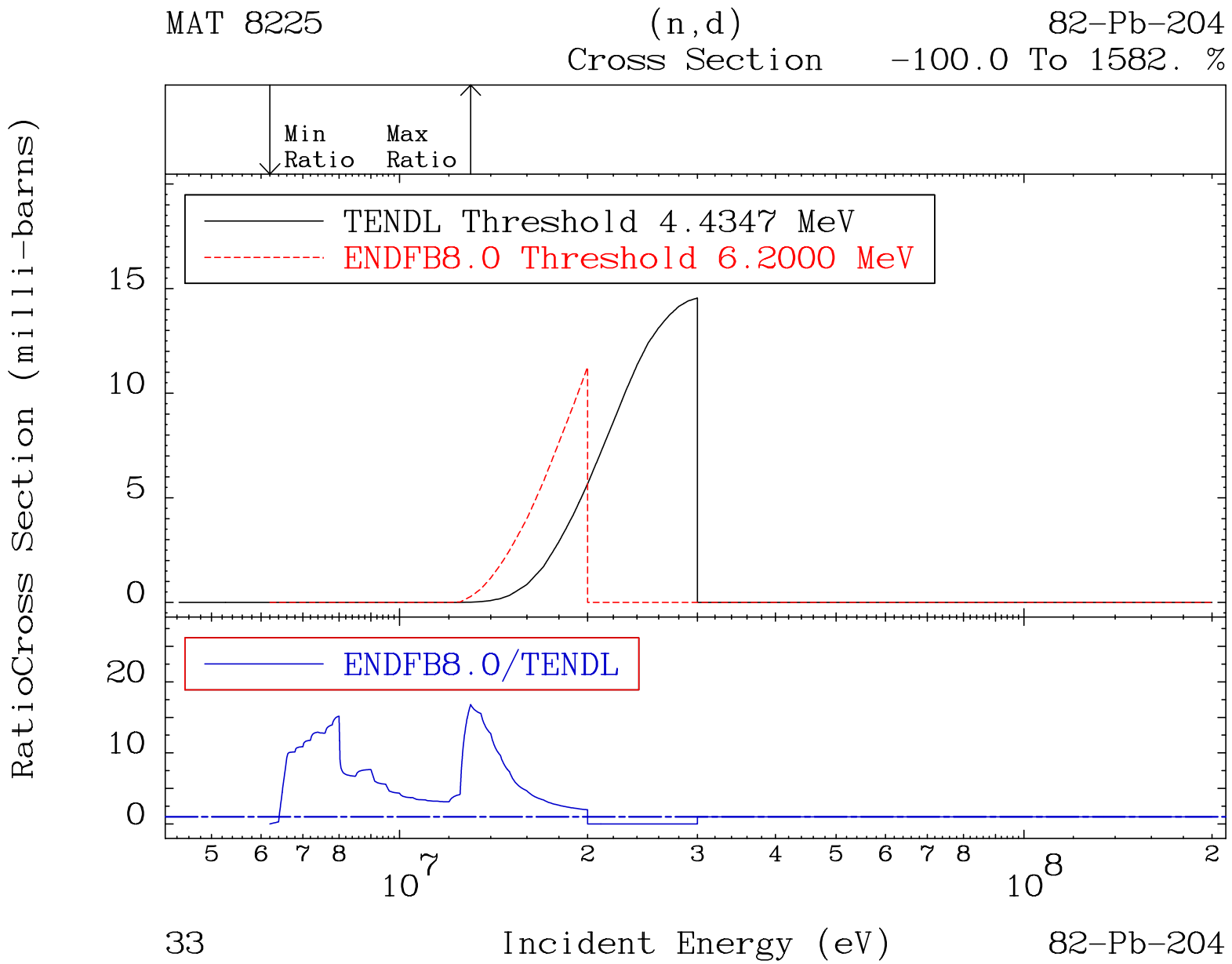

MAT 8225
MT= 66 (n,n') Level
82-Pb-204
Cross Section -100.0 To 299.3 %
Min Ratio
Max Ratio
TENDL Threshold 1.9580 MeV
ENDFB8.0 Threshold 1.9580 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
6
4
2
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
82-Pb-204

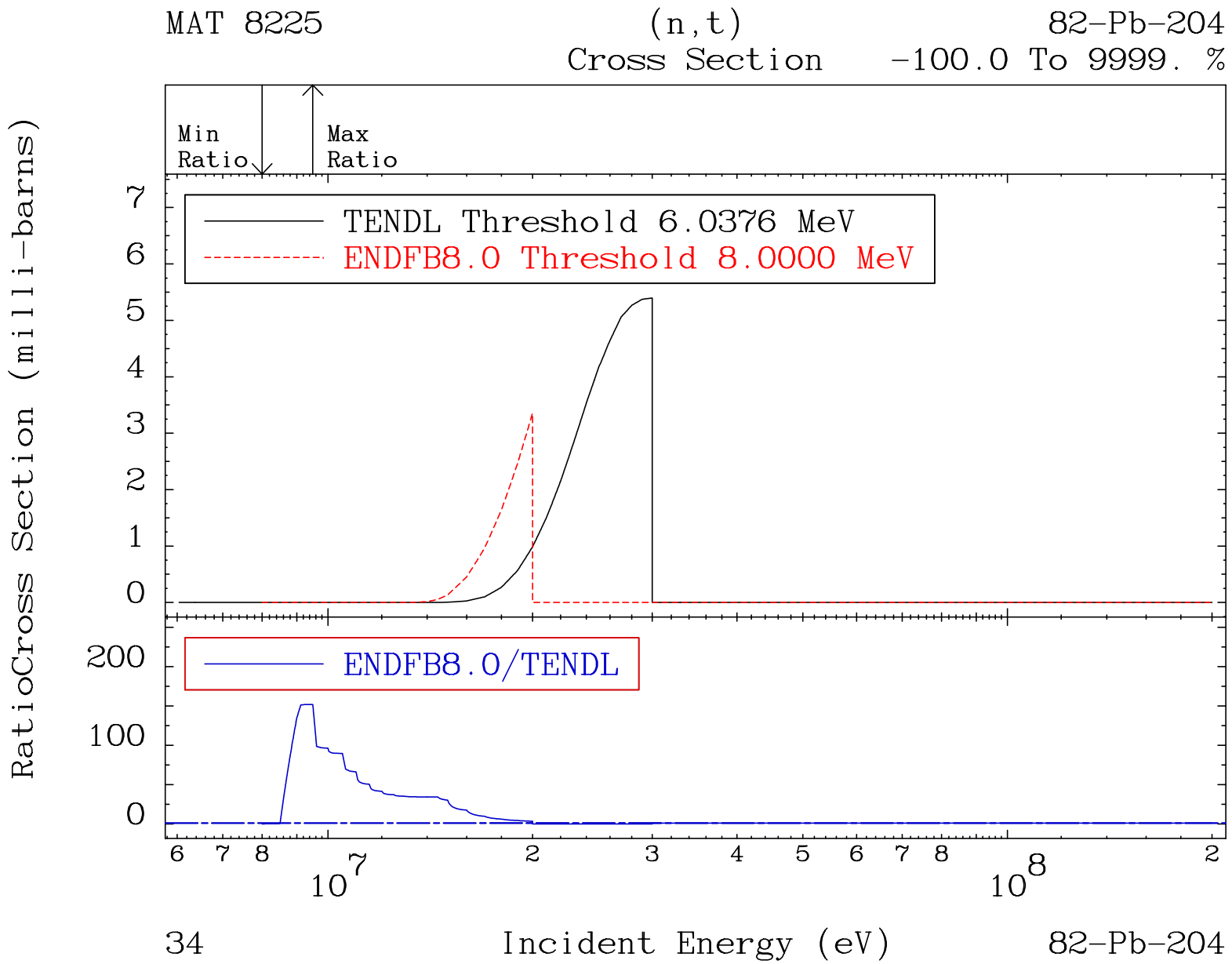

MAT 8225
MT= 67 (n,n') Level
82-Pb-204
Cross Section -100.0 To 71.10 %
Max Ratio
Min Ratio
TENDL Threshold 1.9701 MeV
ENDFB8.0 Threshold 1.9701 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
29
Incident Energy (eV)
82-Pb-204

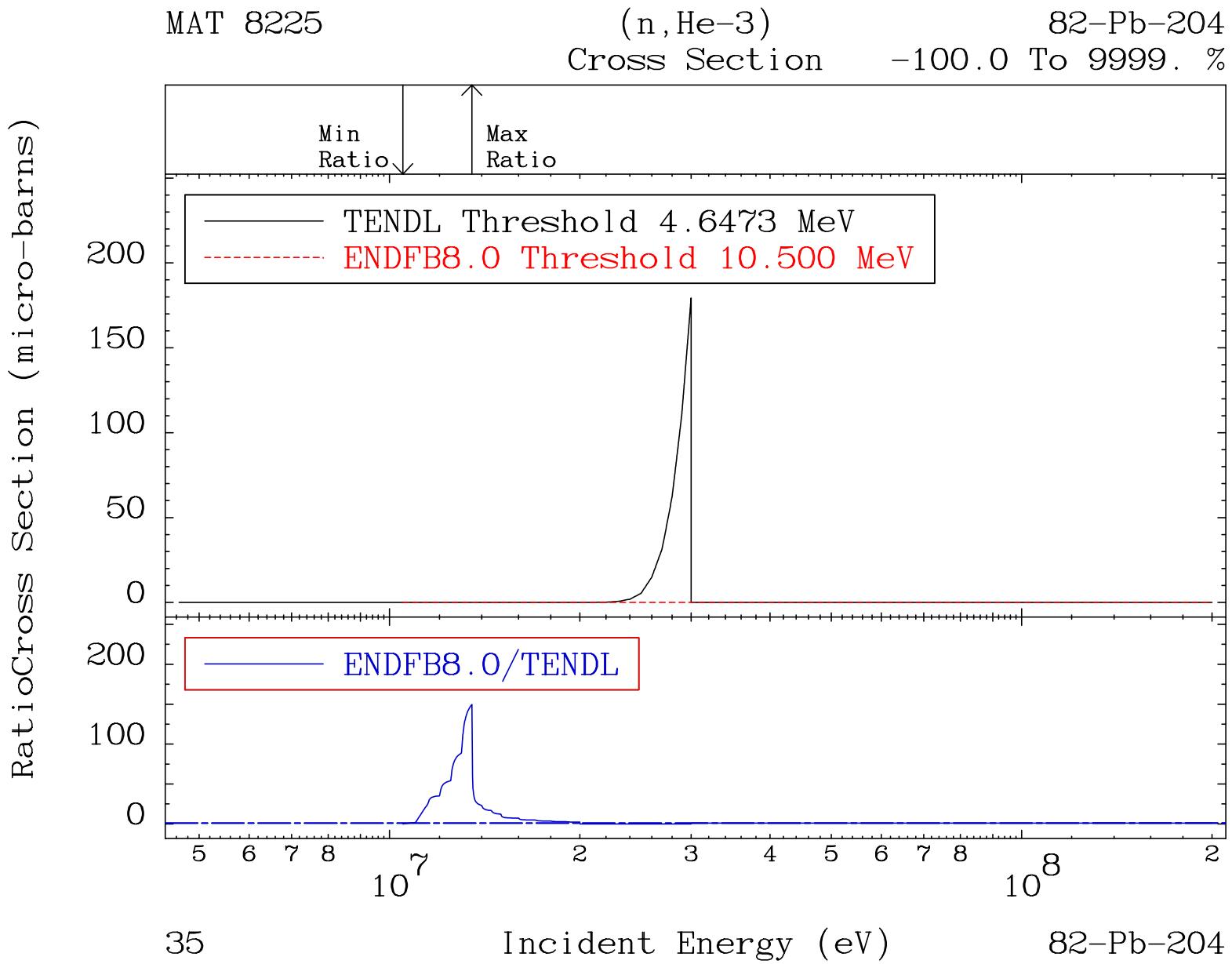

MAT 8225
(n,n') Continuum
Cross Section
82-Pb-204
-100.0 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.9701 MeV
ENDFB8.0 Threshold 2.1966 MeV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
82-Pb-204

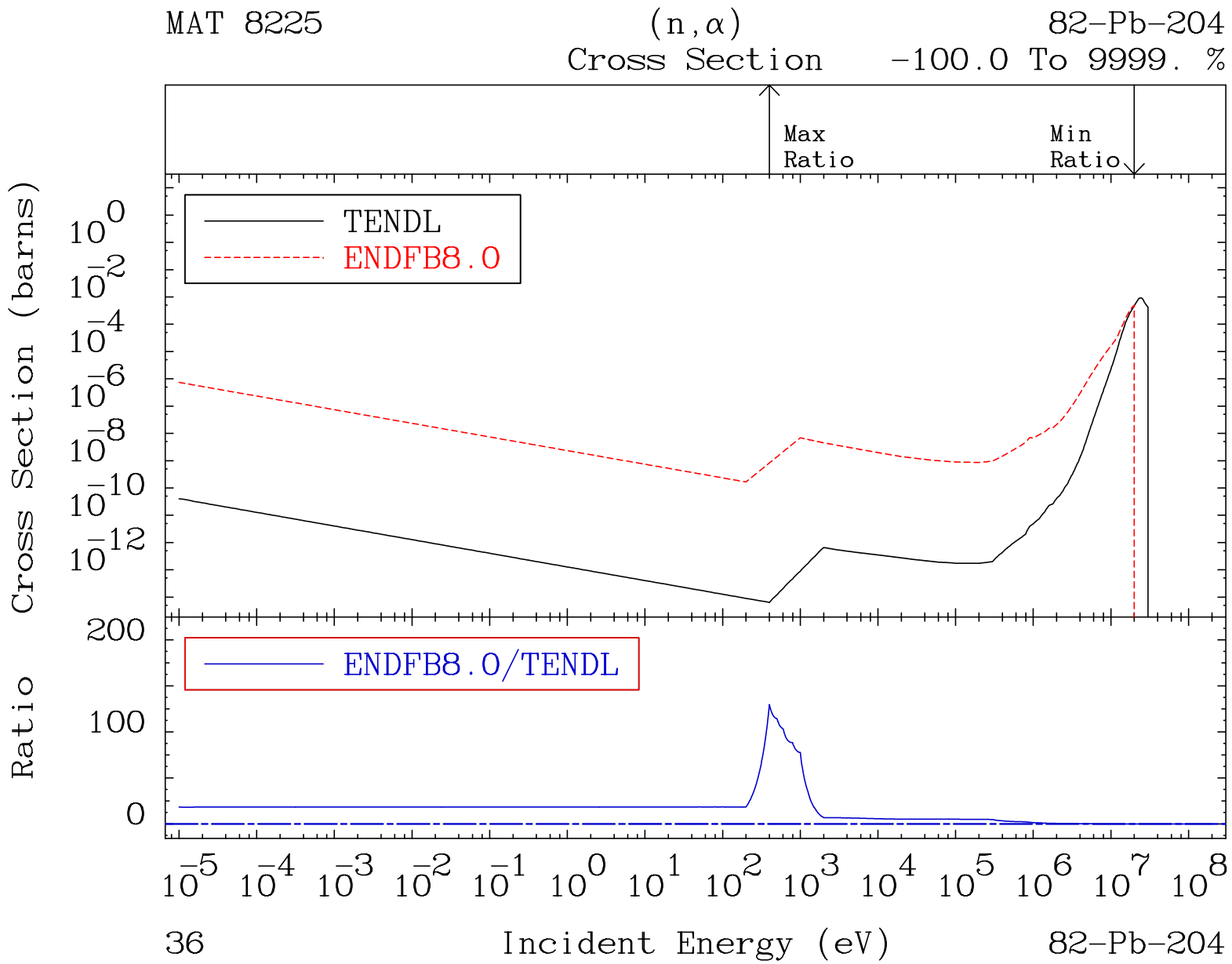

MAT 8225
(n,γ)
Cross Section
82-Pb-204
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
31
82-Pb-204

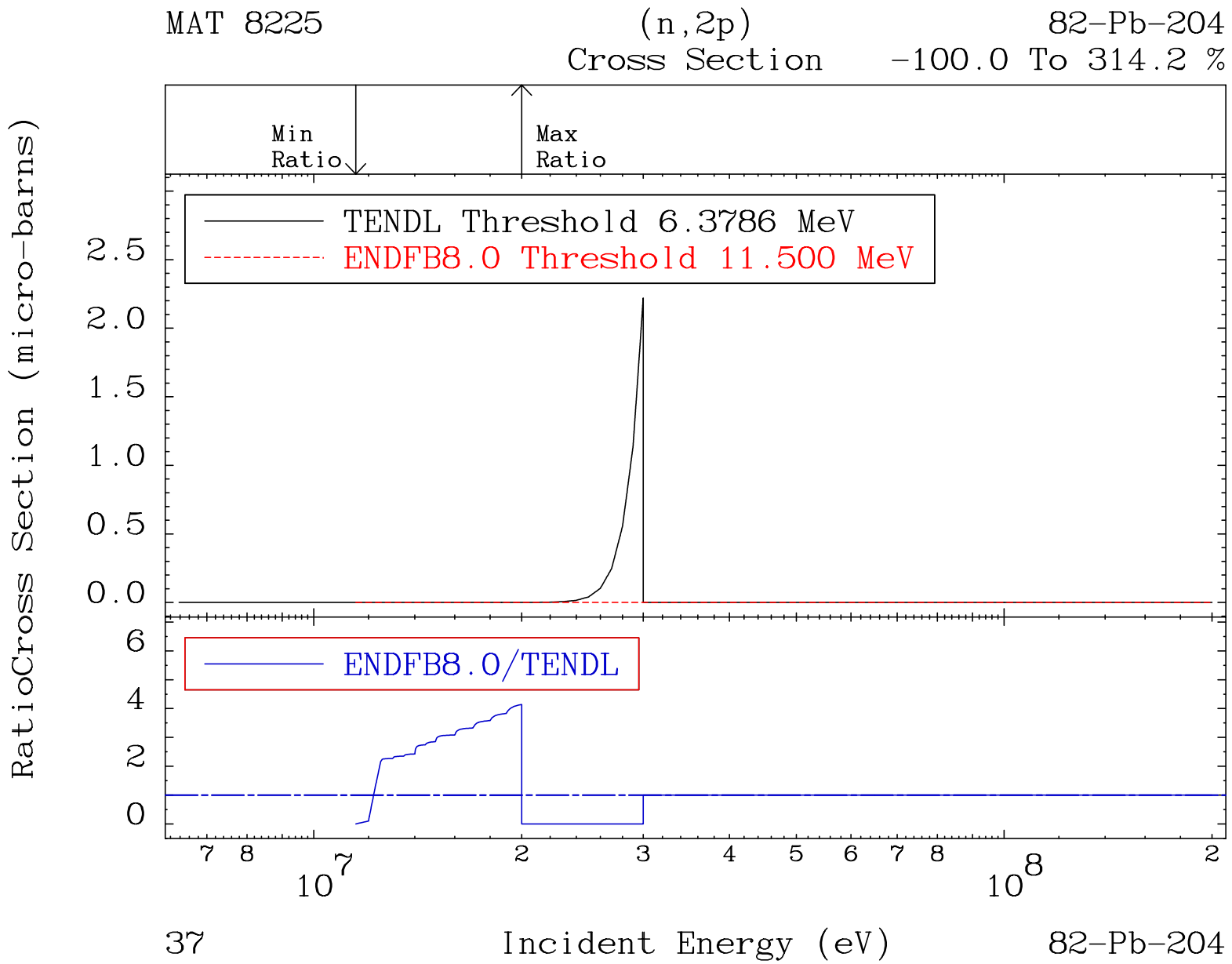

MAT 8225
(n,p)
Cross Section
82-Pb-204
-100.0 To 208.0 %
Max
Ratio
TENDL
ENDFB8.0
Cross Section (barns)
10^{0}
10^{-4}
10^{-8}
10^{-12}
10^{-16}
10^{-20}
ENDFB8.0/TENDL
Ratio
4
2
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
32
Incident Energy (eV)
82-Pb-204

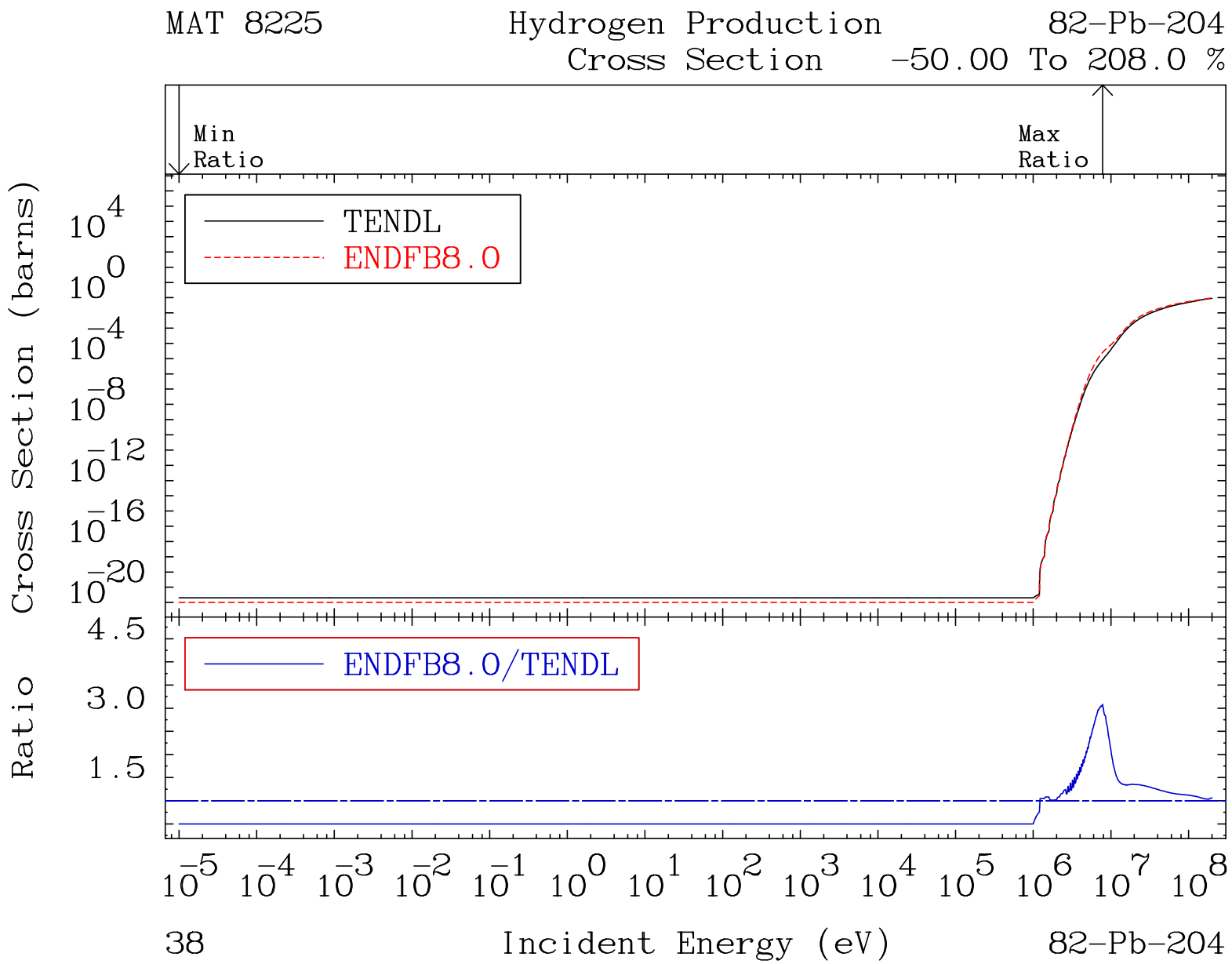

MAT 8225
(n,d)
82-Pb-204
Cross Section
-100.0 To 1582. %
Min Ratio
Max Ratio
TENDL Threshold 4.4347 MeV
ENDFB8.0 Threshold 6.2000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
15
10
5
0
20
10
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
33
Incident Energy (eV)
82-Pb-204

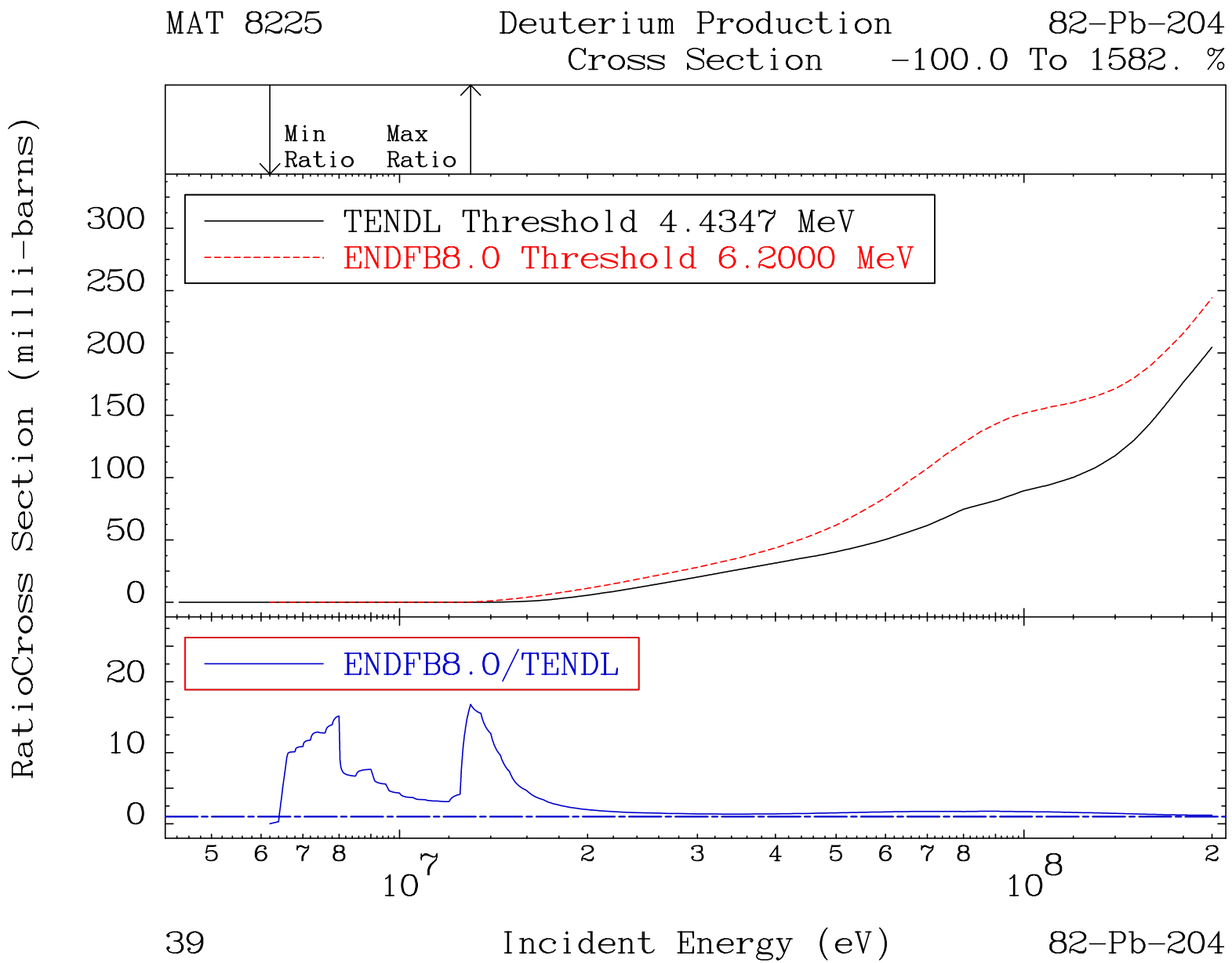

MAT 8225
(n,t)
Cross Section
82-Pb-204
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.0376 MeV
ENDFB8.0 Threshold 8.0000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
34
82-Pb-204

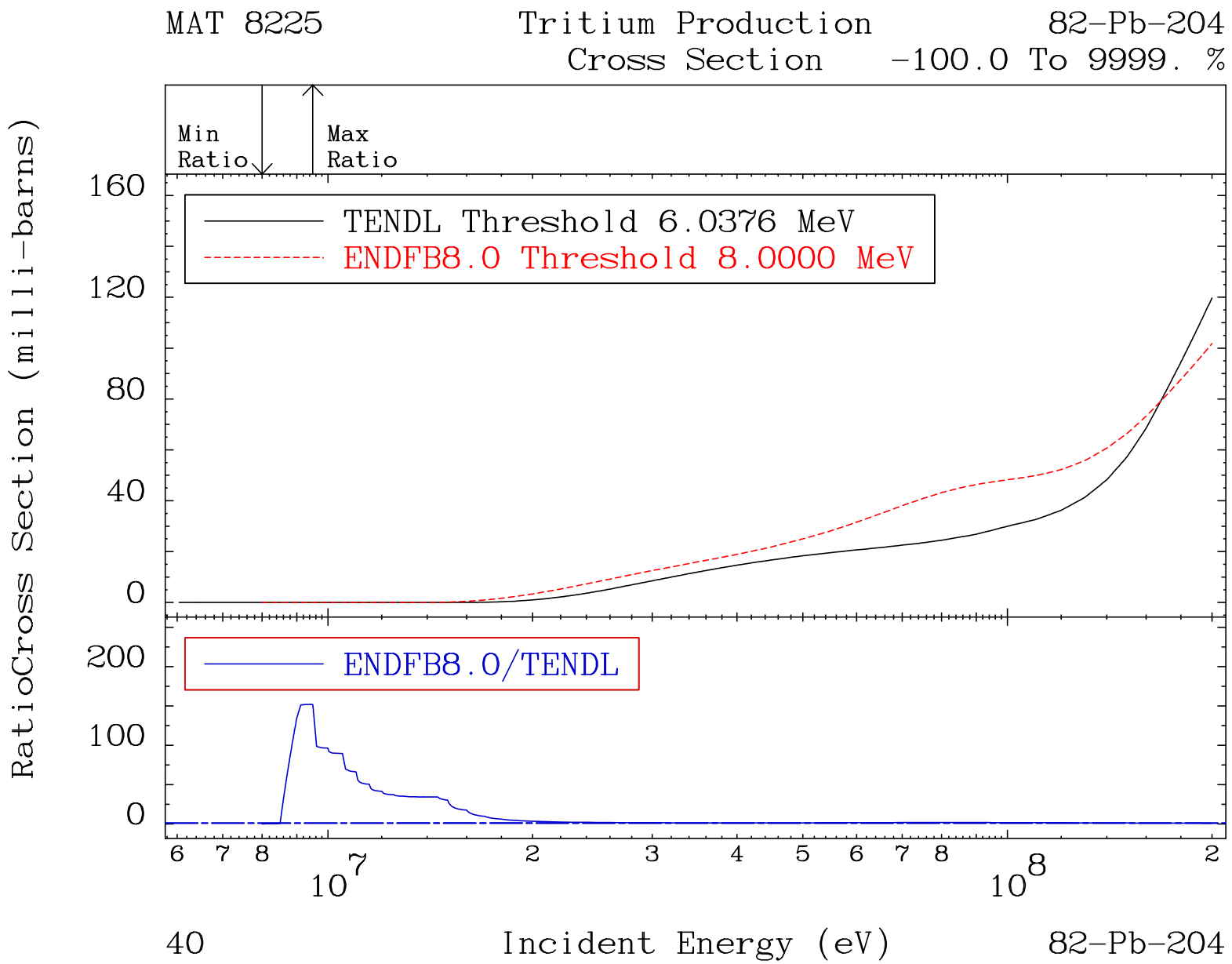

MAT 8225
(n,He-3)
Cross Section
82-Pb-204
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.6473 MeV
ENDFB8.0 Threshold 10.500 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
200
150
100
50
0
200
100
0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
35
Incident Energy (eV)
82-Pb-204

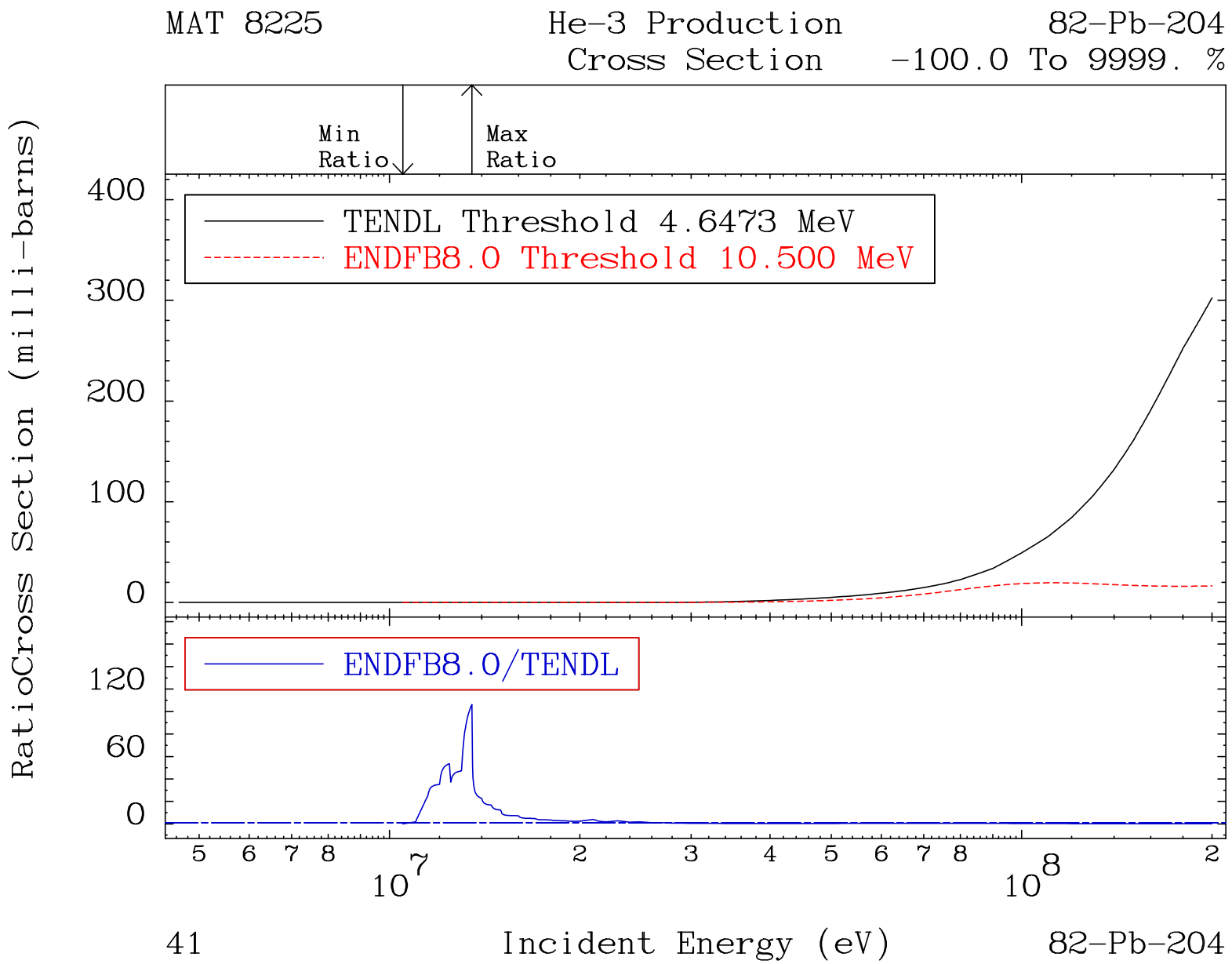

MAT 8225
(n,α)
Cross Section
82-Pb-204
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
36
82-Pb-204

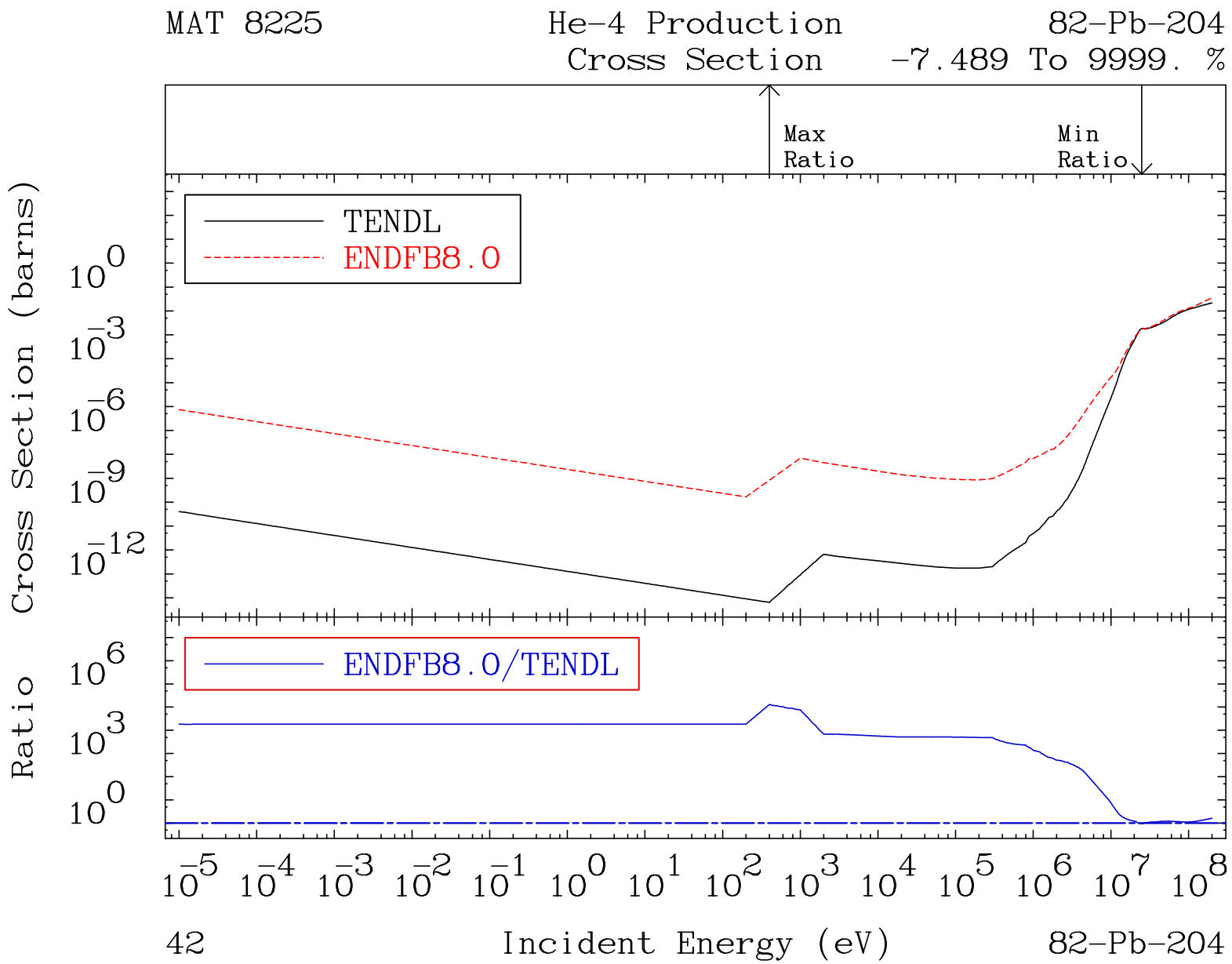

MAT 8225
(n,2p)
82-Pb-204
Cross Section
-100.0 To 314.2 %
Min Ratio
Max Ratio
TENDL Threshold 6.3786 MeV
ENDFB8.0 Threshold 11.500 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
2.5
2.0
1.5
1.0
0.5
0.0
6
4
2
0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
37
Incident Energy (eV)
82-Pb-204

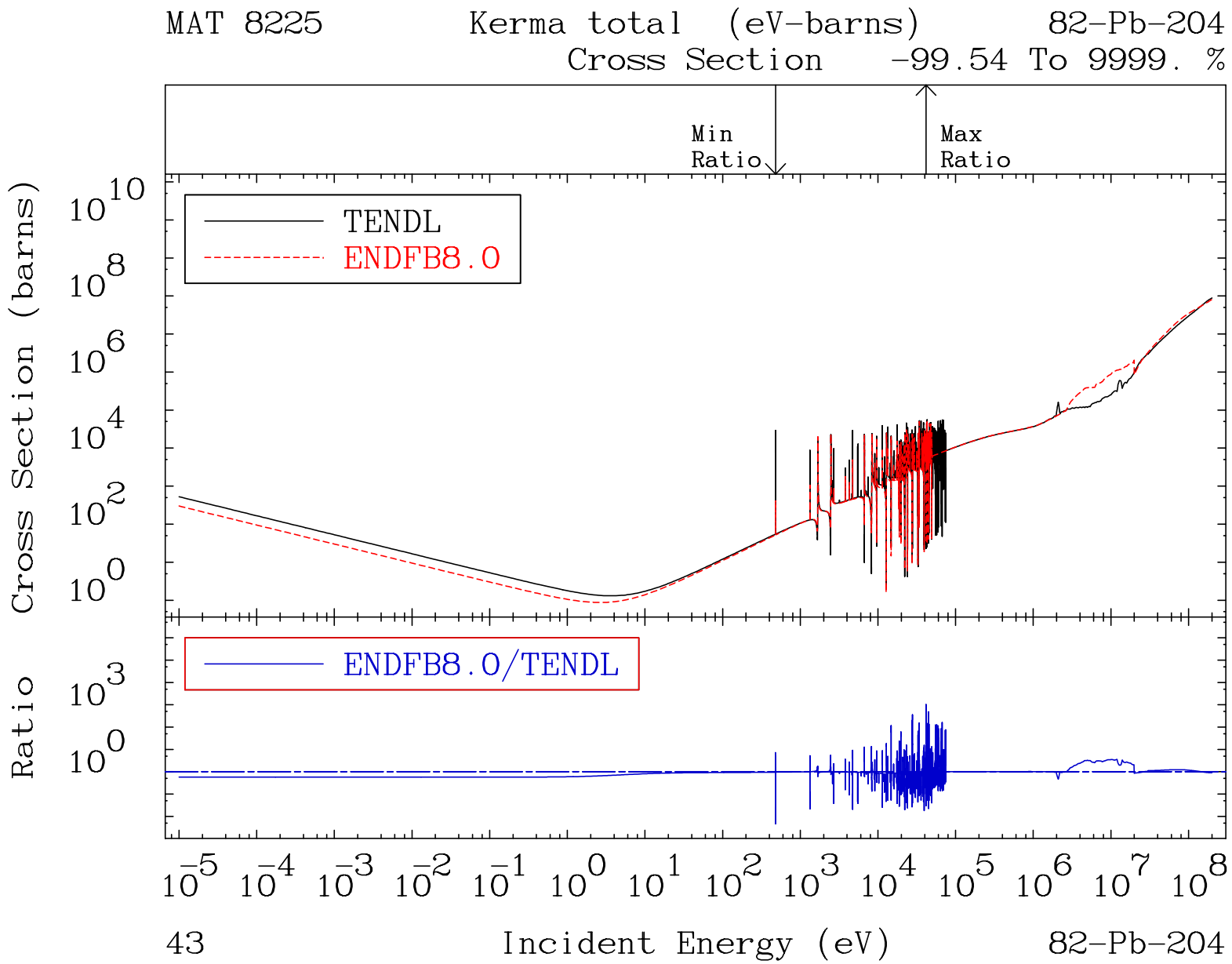

MAT 8225
Hydrogen Production
82-Pb-204
Cross Section
-50.00 To 208.0 %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
38
82-Pb-204

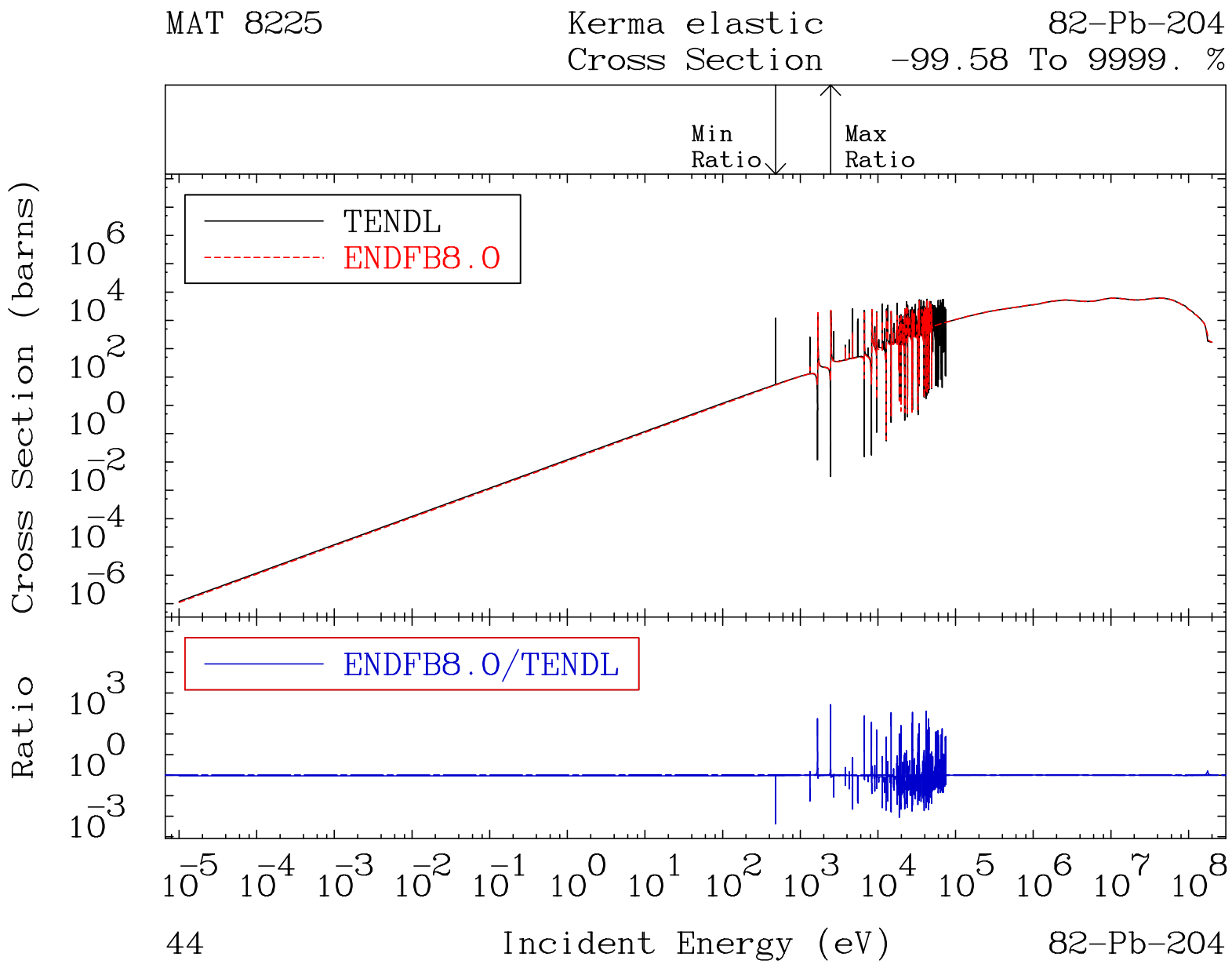

MAT 8225
Deuterium Production
82-Pb-204
Cross Section -100.0 To 1582. %
Min Ratio
Max Ratio
TENDL Threshold 4.4347 MeV
ENDFB8.0 Threshold 6.2000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
20
10
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
39
Incident Energy (eV)
82-Pb-204

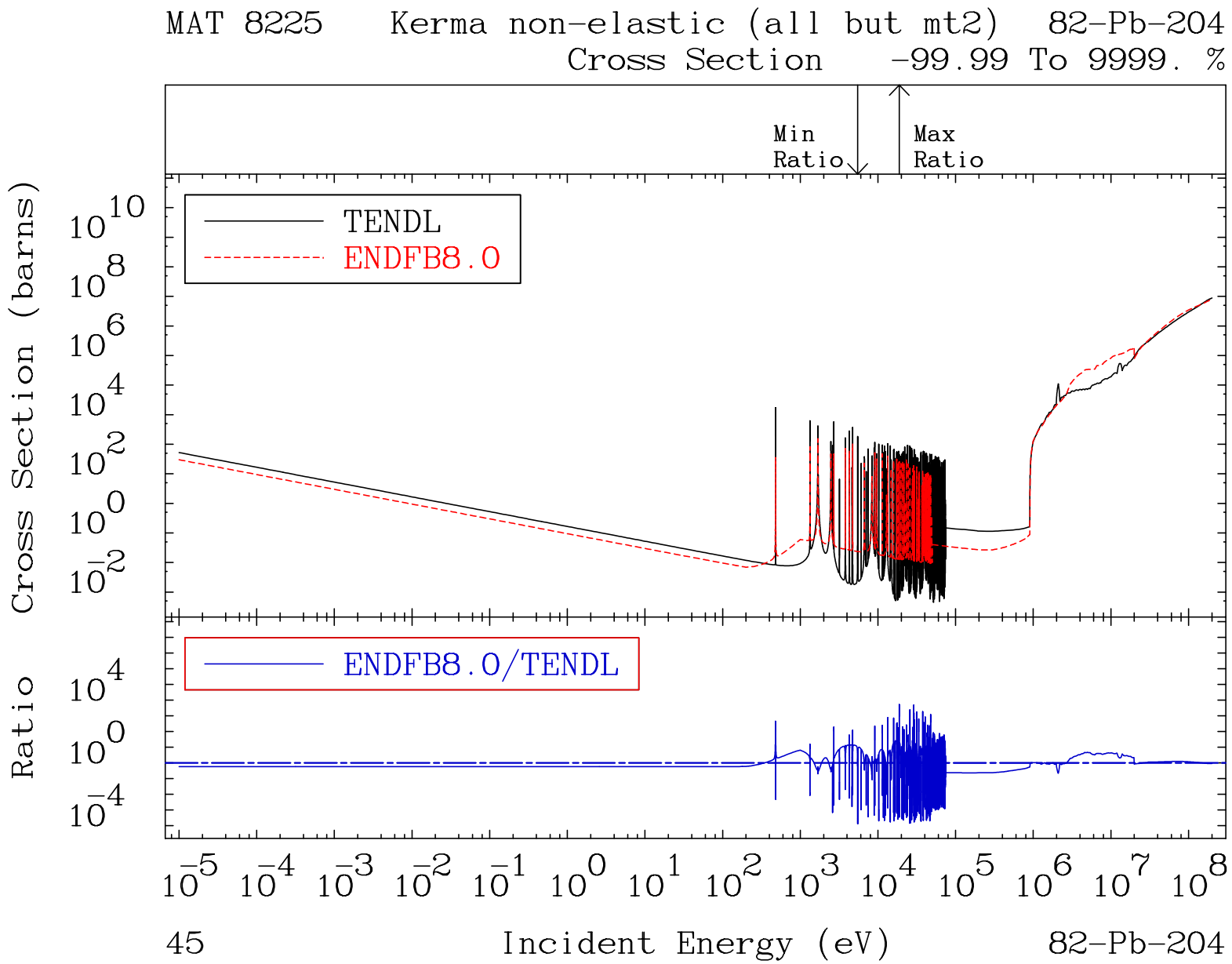

MAT 8225
Tritium Production
82-Pb-204
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.0376 MeV
ENDFB8.0 Threshold 8.0000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
200
100
0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
40
Incident Energy (eV)
82-Pb-204

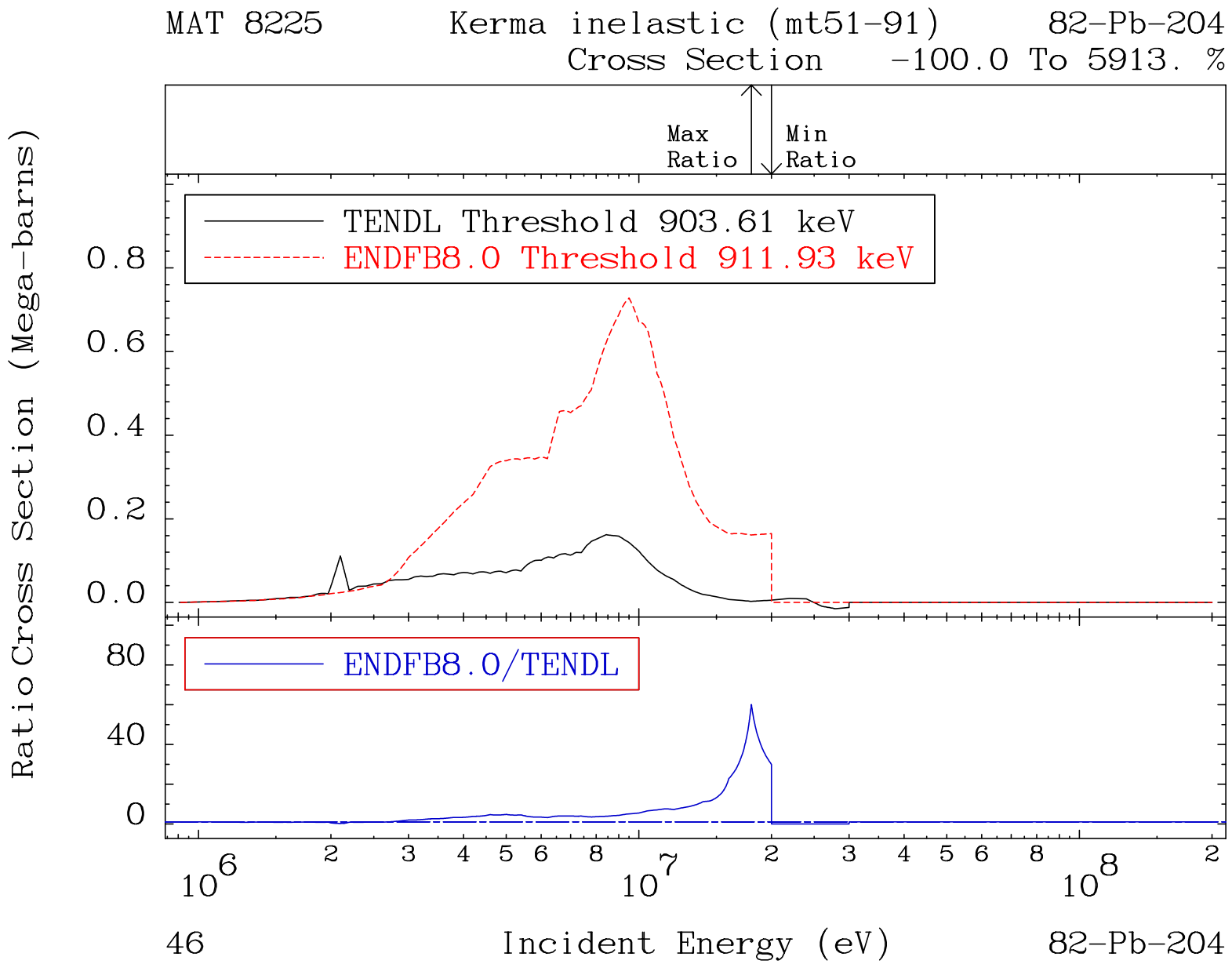

MAT 8225
He-3 Production
Cross Section
82-Pb-204
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.6473 MeV
ENDFB8.0 Threshold 10.500 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
120
60
0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
41
Incident Energy (eV)
82-Pb-204

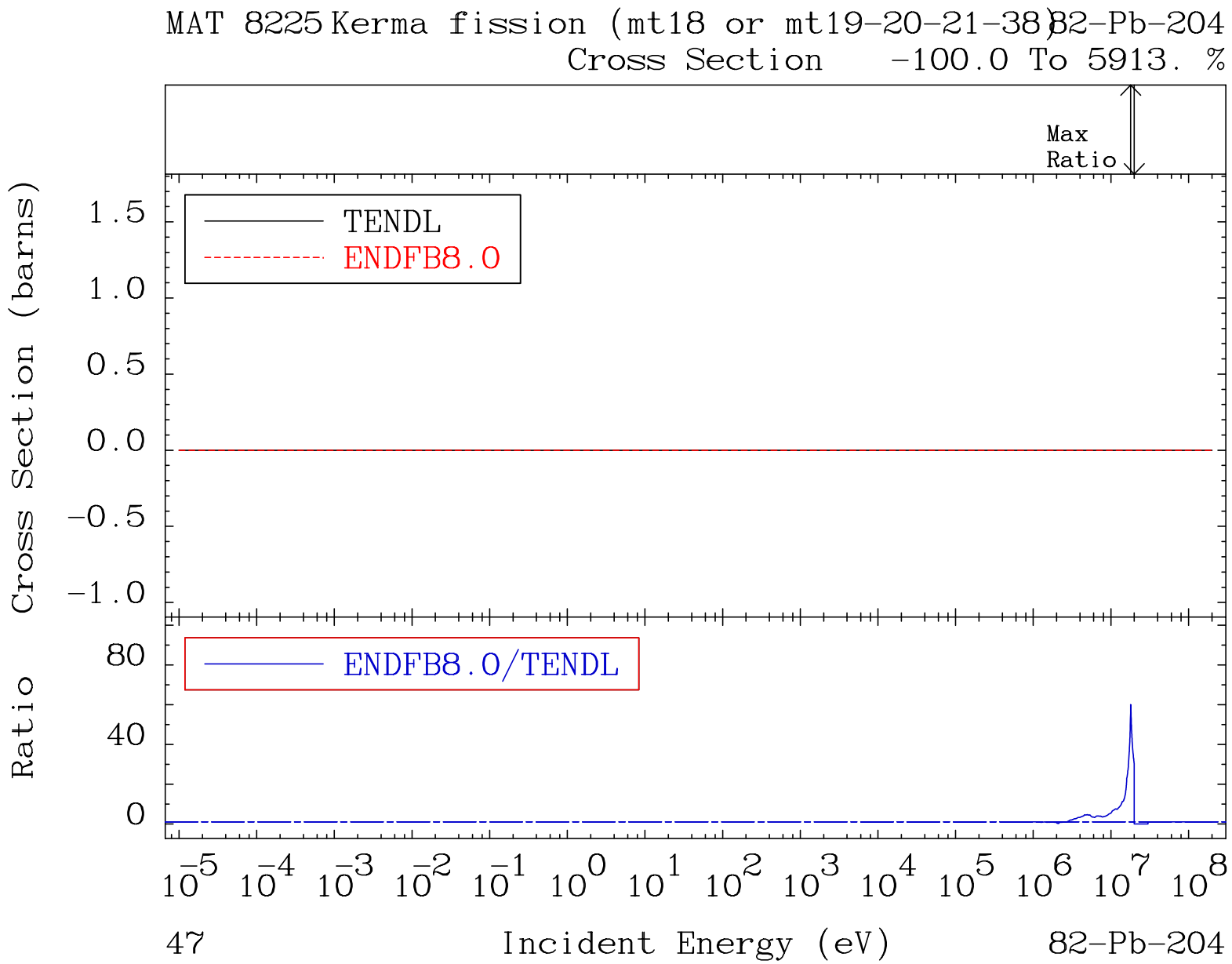

MAT 8225
He-4 Production
Cross Section
82-Pb-204
-7.489 To 9999. %
Max
Ratio
Min
Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
42
82-Pb-204

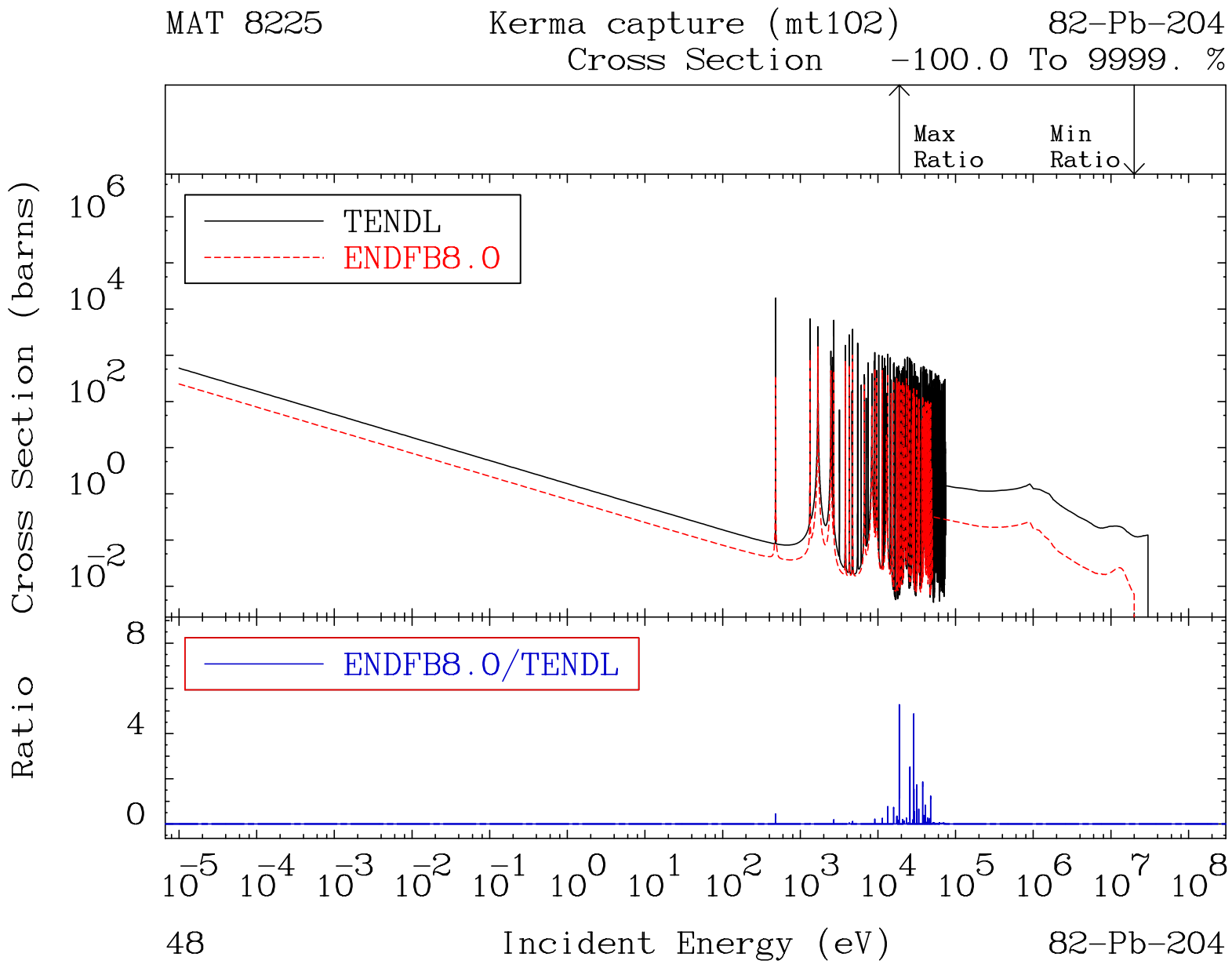

MAT 8225
Kerma total (eV-barns)
82-Pb-204
Cross Section -99.54 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
43
82-Pb-204

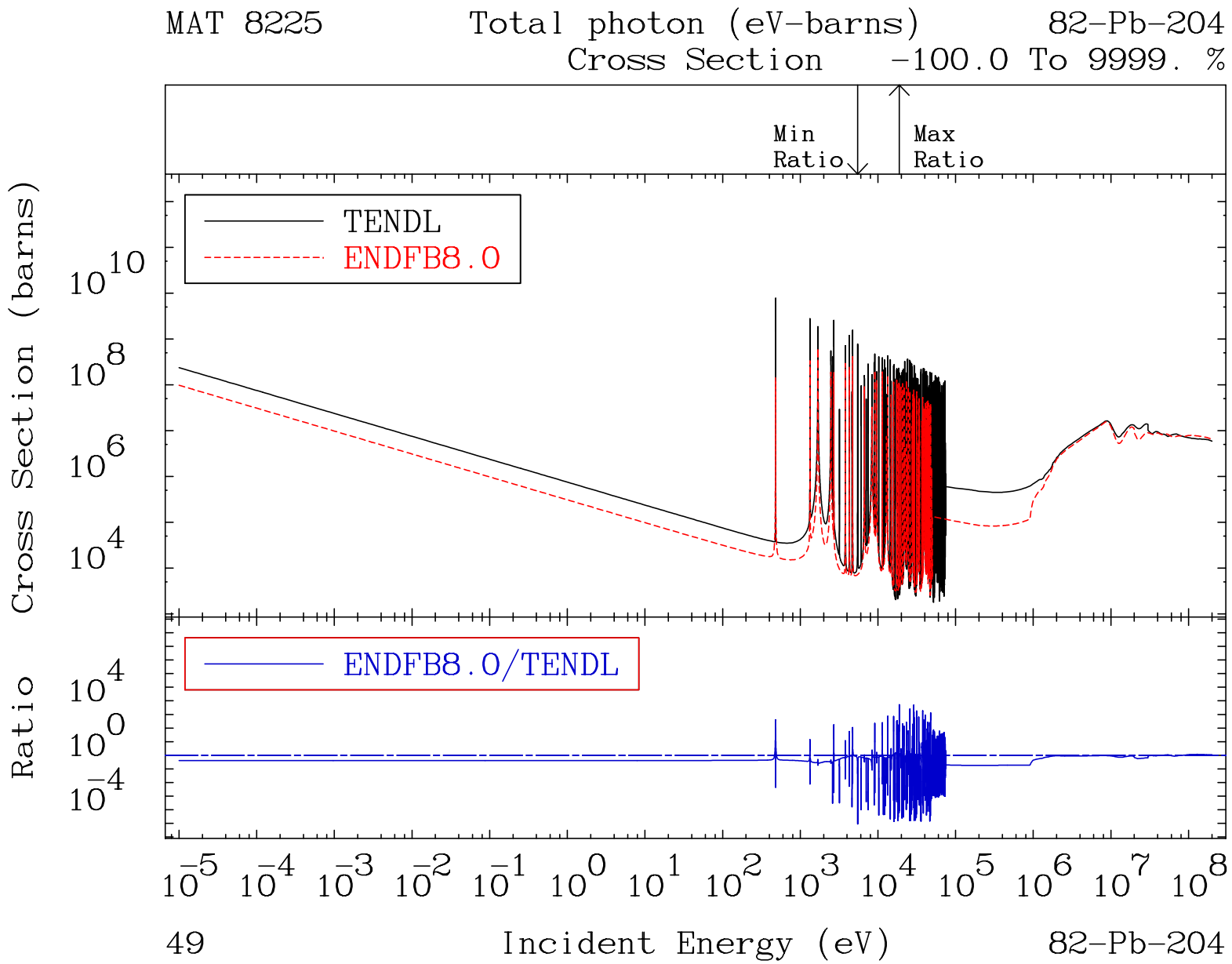

MAT 8225
Kerma elastic
Cross Section
82-Pb-204
-99.58 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
44
82-Pb-204

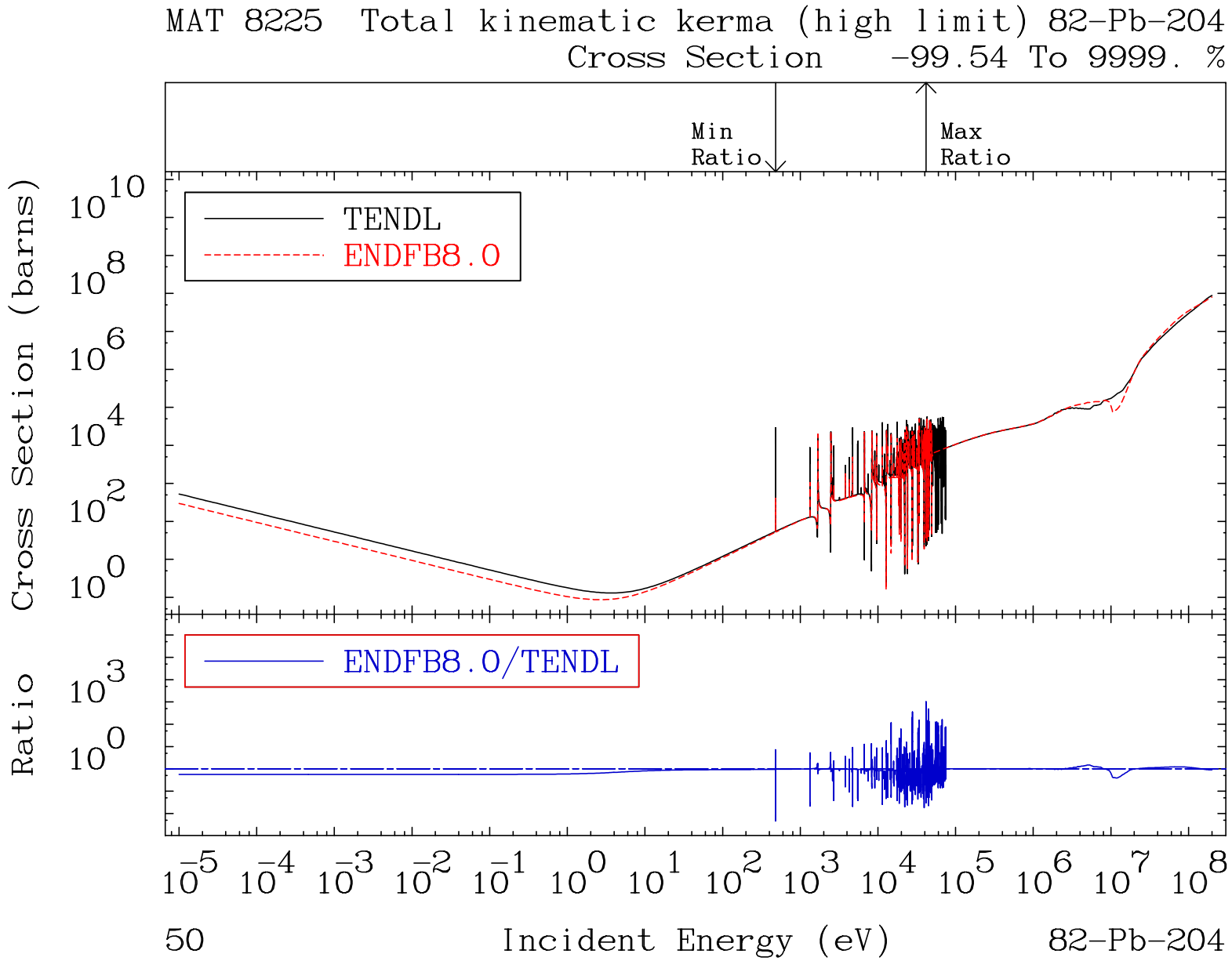

MAT 8225 Kerma non-elastic (all but mt2) 82-Pb-204
Cross Section -99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
45
82-Pb-204

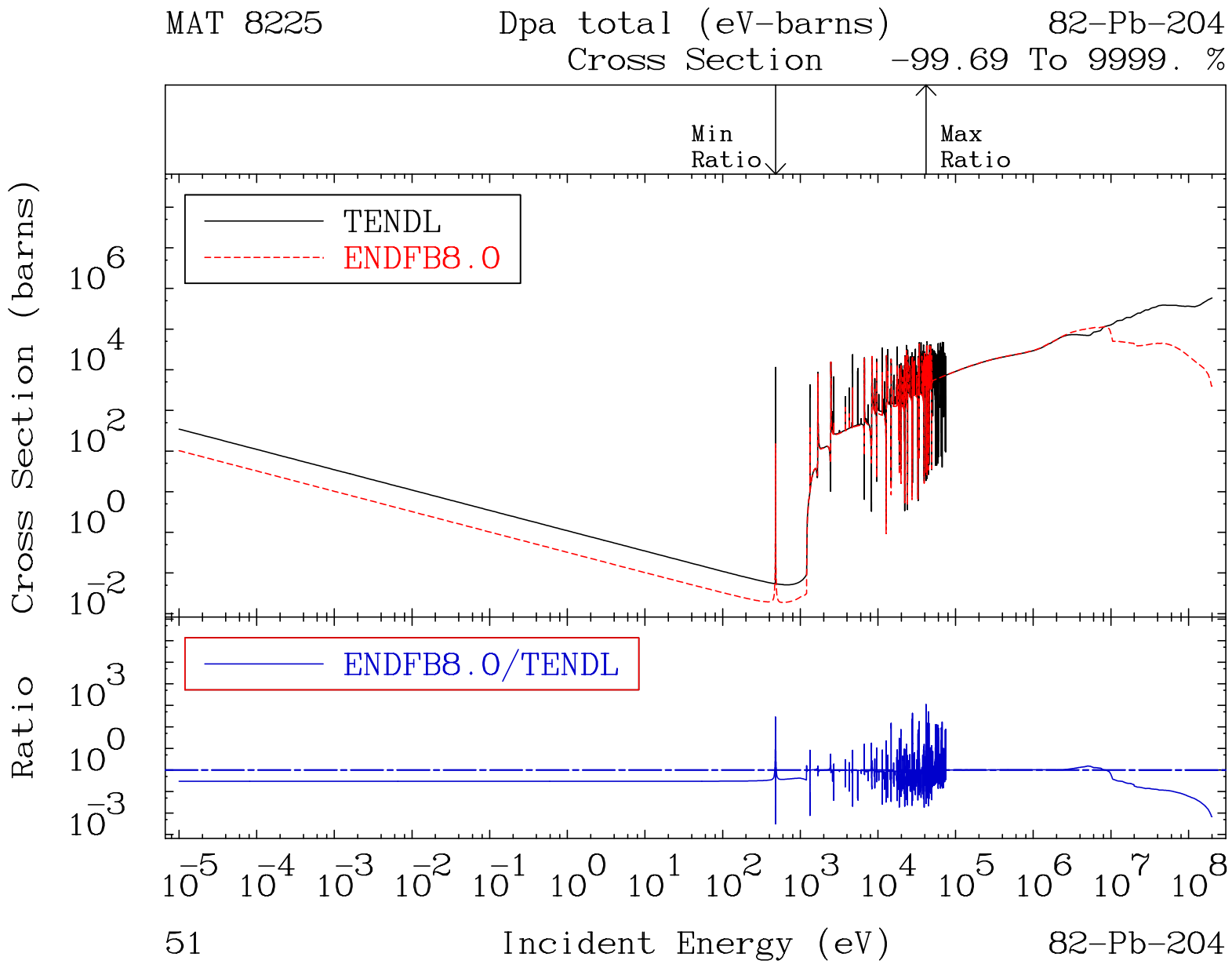

MAT 8225
Kerma inelastic (mt51-91)
82-Pb-204
Cross Section -100.0 To 5913. %
Max Ratio
Min Ratio
TENDL Threshold 903.61 keV
ENDFB8.0 Threshold 911.93 keV
ENDFB8.0/TENDL
Ratio Cross Section (Mega-barns)
0.8
0.6
0.4
0.2
0.0
80
40
0
10^6
10^7
10^8
2 3 4 5 6 8
46
Incident Energy (eV)
82-Pb-204

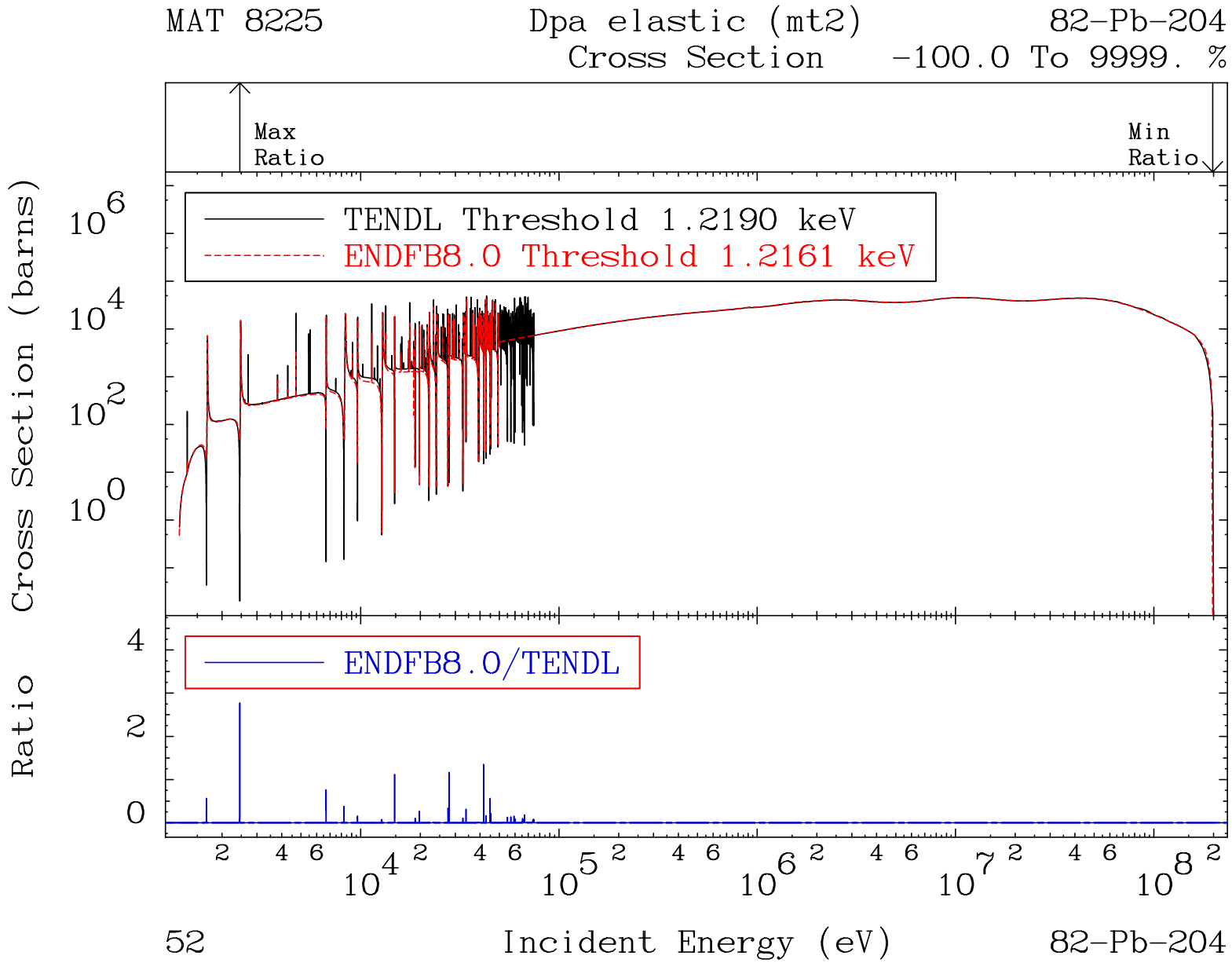

MAT 8225 Kerma fission (mt18 or mt19-20-21-38) 82-Pb-204
Cross Section -100.0 To 5913. %
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
80
40
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
47
Incident Energy (eV)
82-Pb-204

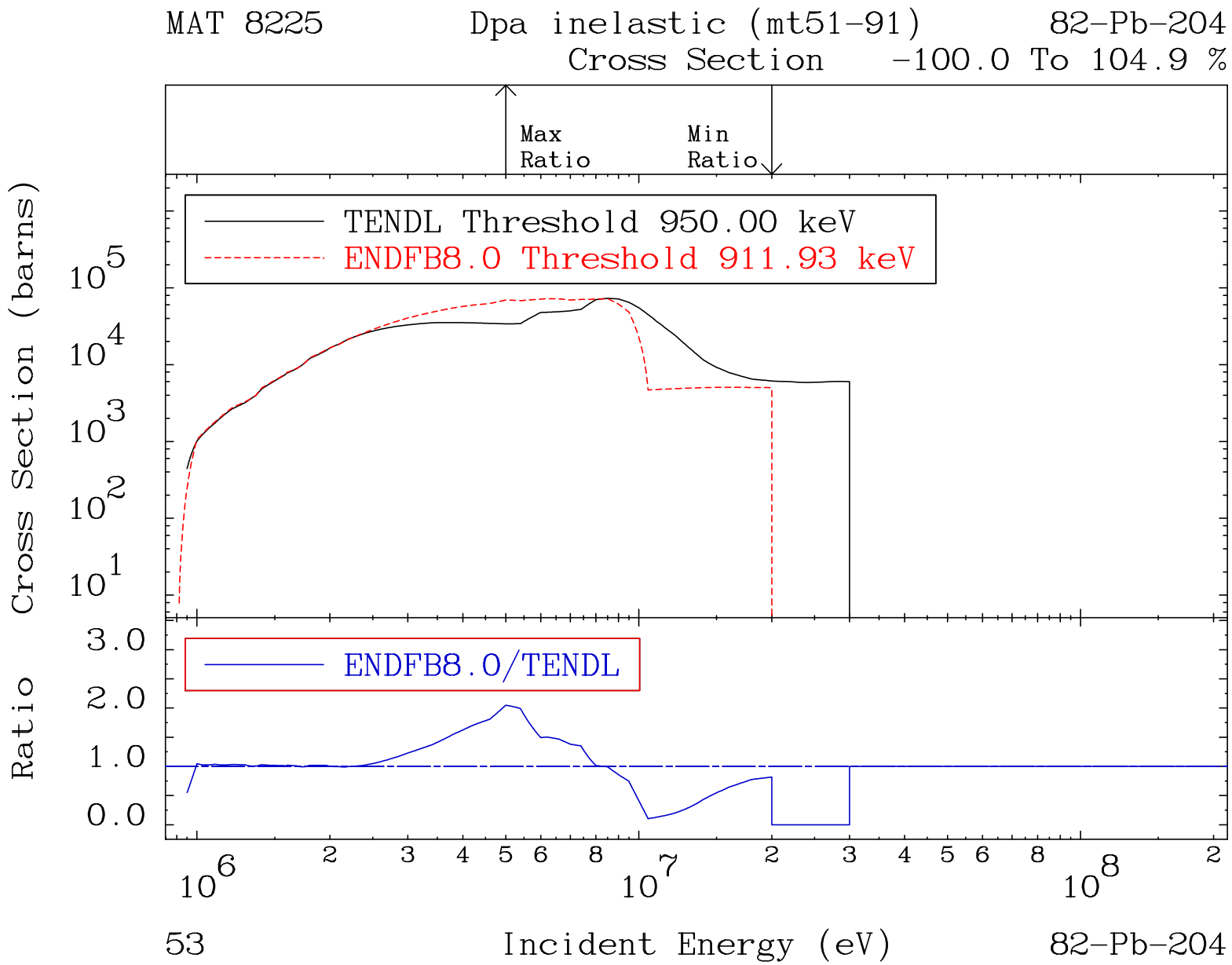

MAT 8225
Kerma capture (mt102)
82-Pb-204
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
48
82-Pb-204

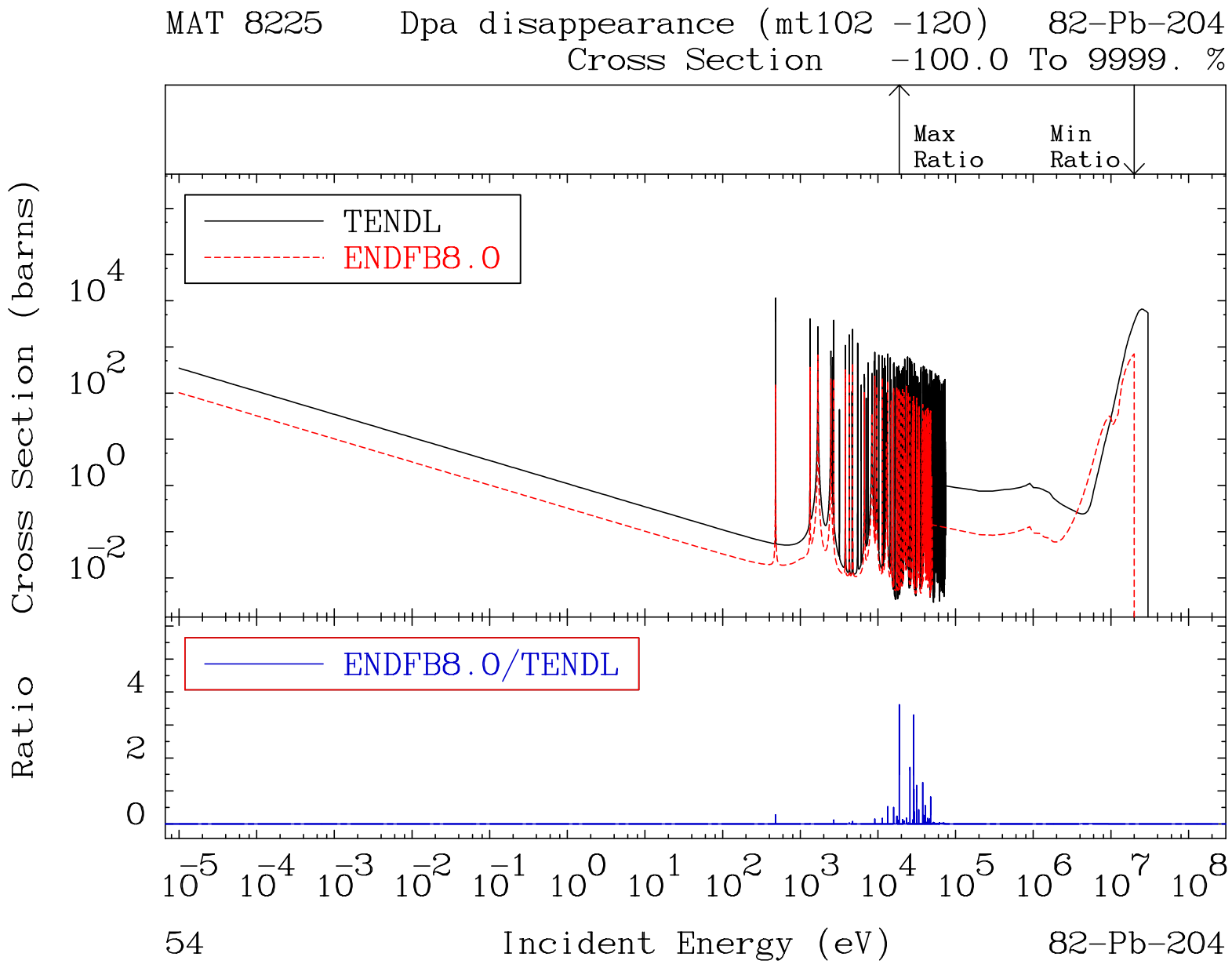

MAT 8225
Total photon (eV-barns)
82-Pb-204
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
10^{10}
10^{8}
10^{6}
10^{4}
ENDFB8.0/TENDL
Ratio
10^{4}
10^{0}
10^{-4}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
49
Incident Energy (eV)
82-Pb-204

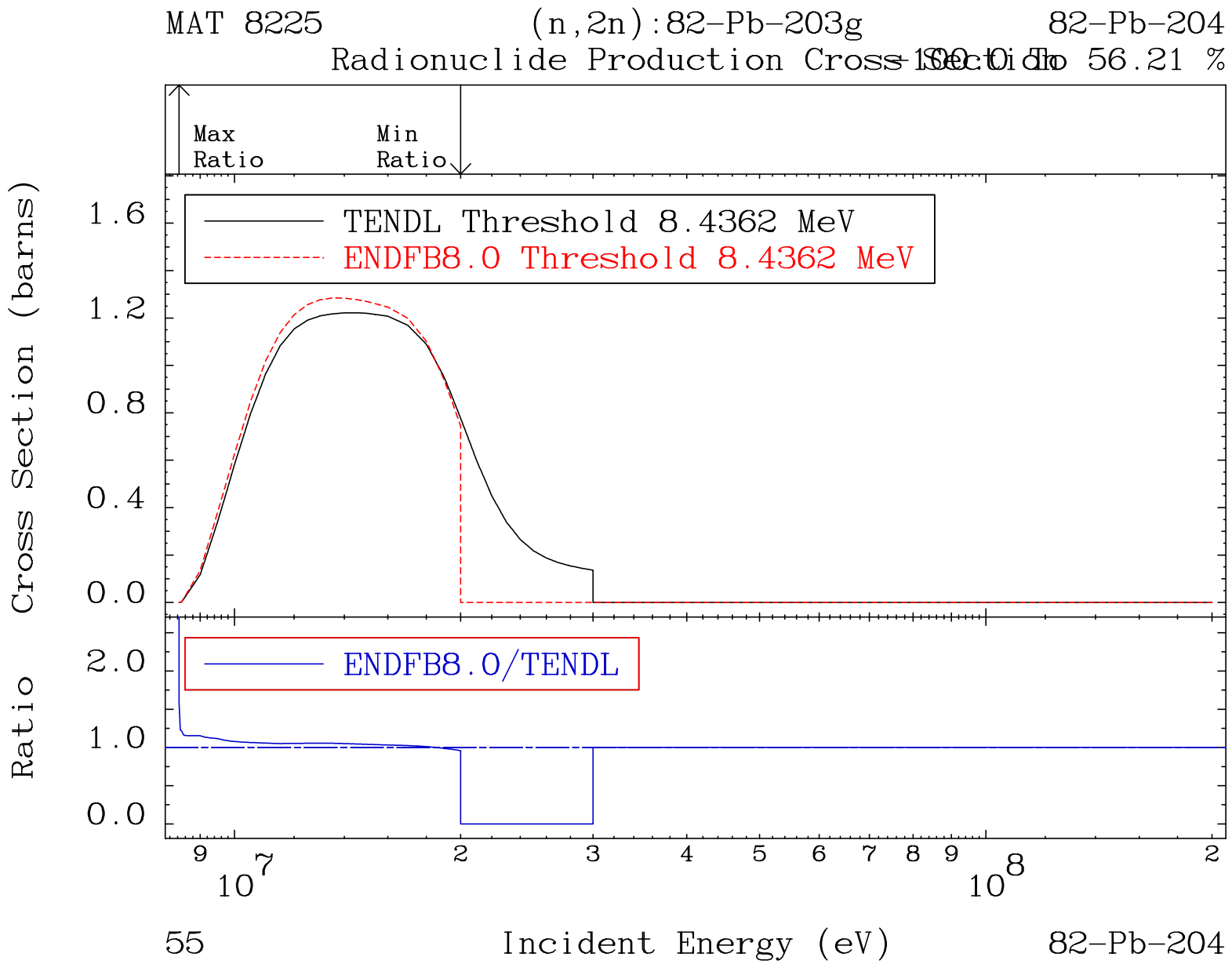

MAT 8225 Total kinematic kerma (high limit) 82-Pb-204
Cross Section -99.54 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
50
82-Pb-204

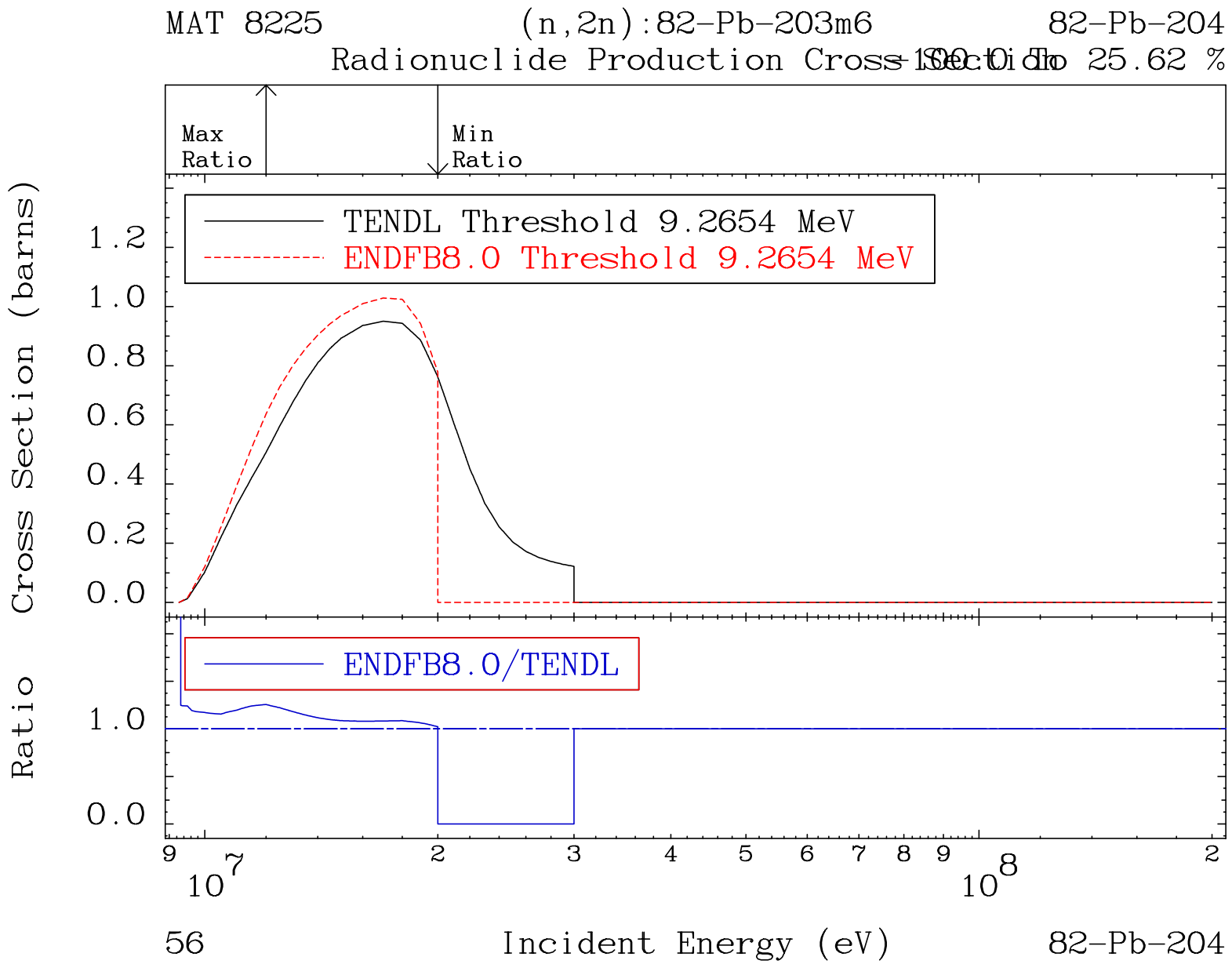

MAT 8225
Dpa total (eV-barns)
82-Pb-204
Cross Section -99.69 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
82-Pb-204

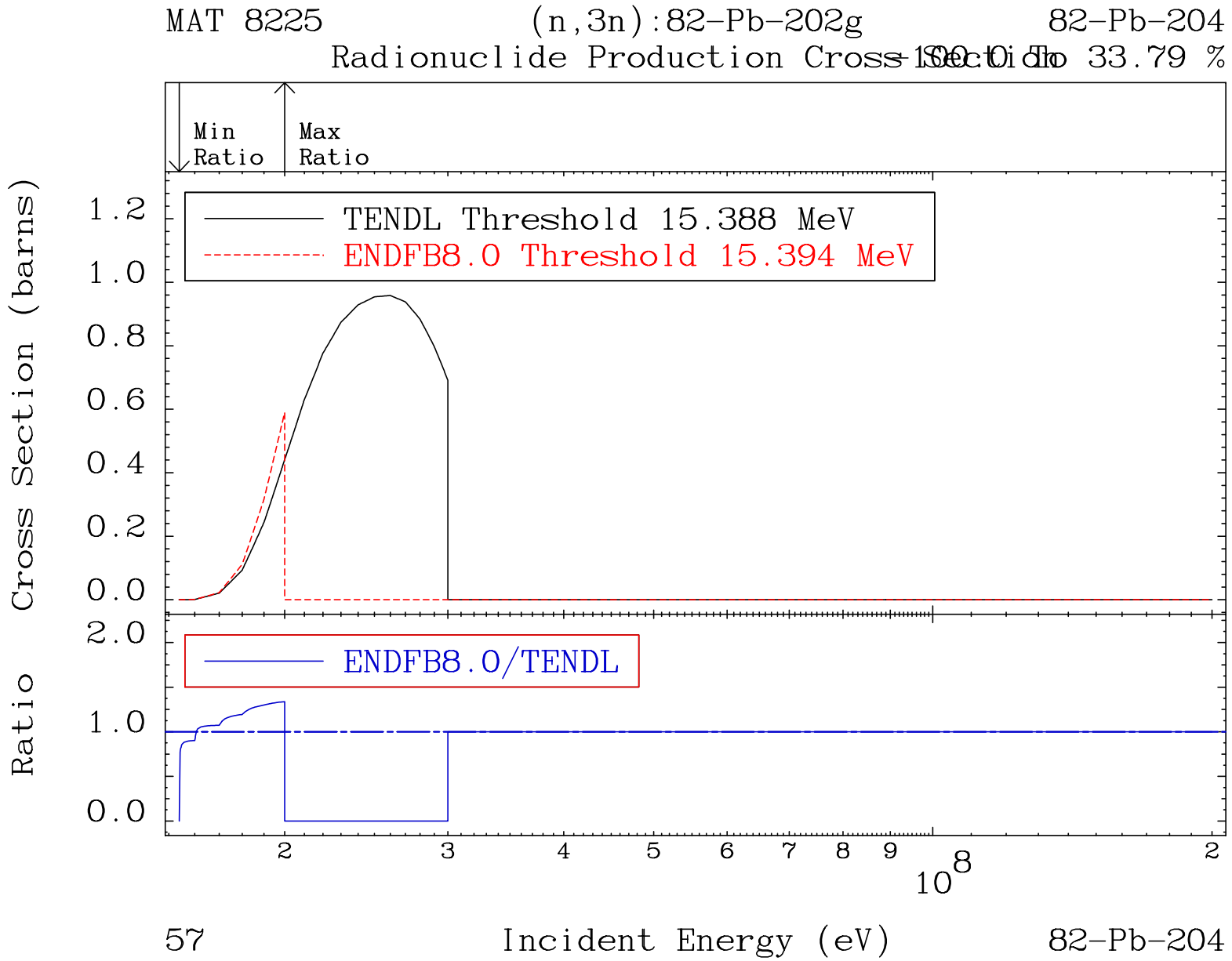

MAT 8225
Dpa elastic (mt2)
Cross Section
82-Pb-204
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.2190 keV
ENDFB8.0 Threshold 1.2161 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
52
82-Pb-204

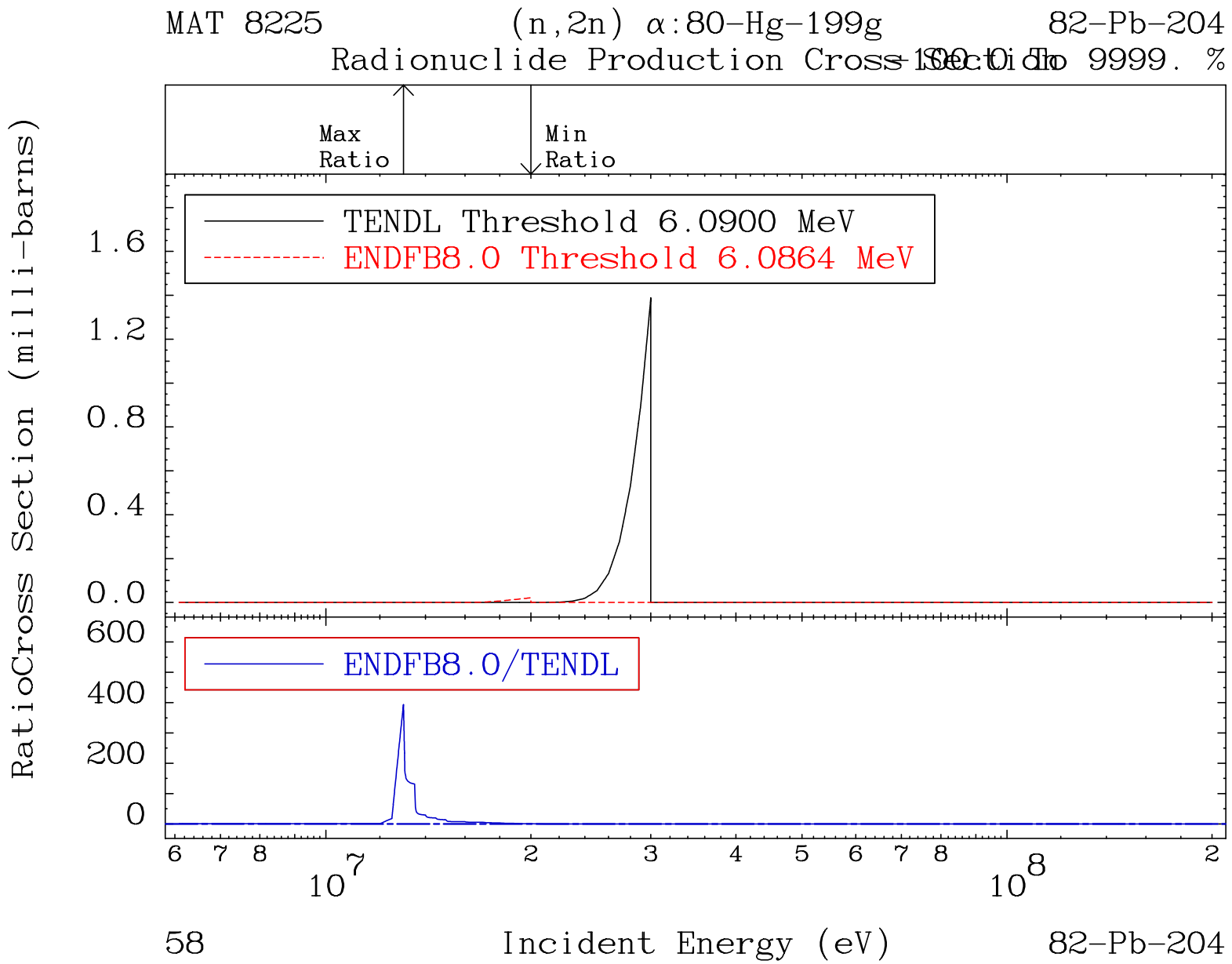

MAT 8225
Dpa inelastic (mt51-91)
82-Pb-204
Cross Section -100.0 To 104.9 %
Max Ratio
Min Ratio
TENDL Threshold 950.00 keV
ENDFB8.0 Threshold 911.93 keV
Cross Section (barns)
10^5
10^4
10^3
10^2
10^1
ENDFB8.0/TENDL
Ratio
3.0
2.0
1.0
0.0
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
53
Incident Energy (eV)
82-Pb-204

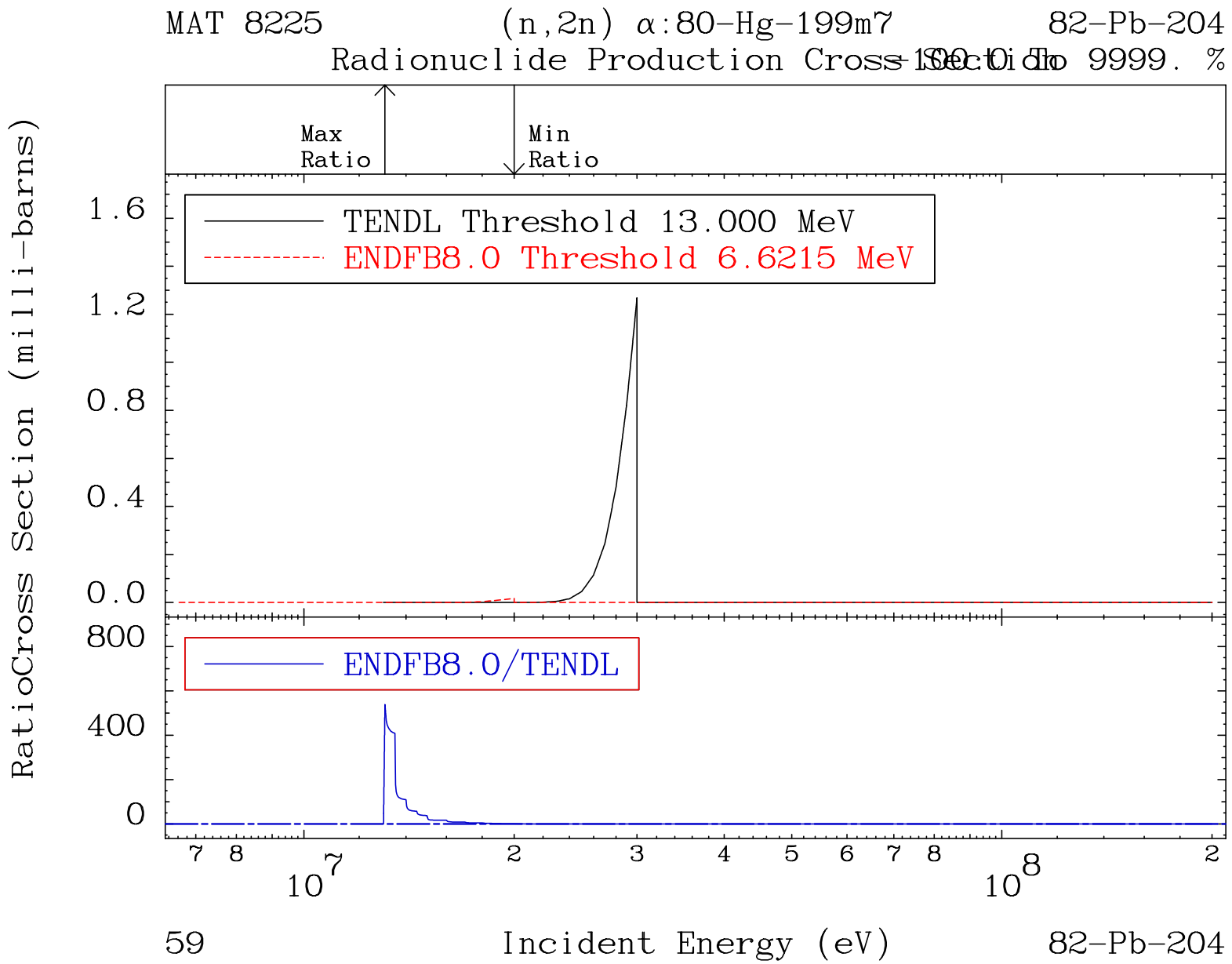

MAT 8225 Dpa disappearance (mt102 -120) 82-Pb-204
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
10^{4}
10^{2}
10^{0}
10^{-2}
ENDFB8.0/TENDL
Ratio
4
2
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
54
Incident Energy (eV)
82-Pb-204


MAT 8225
(n,2n):82-Pb-203g
82-Pb-204
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 8.4362 MeV
ENDFB8.0 Threshold 8.4362 MeV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
2.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
55
Incident Energy (eV)
82-Pb-204


MAT 8225
(n,2n):82-Pb-203m6
82-Pb-204
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 9.2654 MeV
ENDFB8.0 Threshold 9.2654 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
ENDFB8.0/TENDL
Ratio
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
56
Incident Energy (eV)
82-Pb-204


MAT 8225
(n,3n):82-Pb-202g
82-Pb-204
Radionuclide Production Cross Section To 33.79 %
Min Ratio
Max Ratio
TENDL Threshold 15.388 MeV
ENDFB8.0 Threshold 15.394 MeV
ENDFB8.0/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
2
3
4
5
6
7
8
9
2
10^8
57
Incident Energy (eV)
82-Pb-204


MAT 8225
(n,2n) α:80-Hg-199g
82-Pb-204
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.0900 MeV
ENDFB8.0 Threshold 6.0864 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
600
400
200
0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
58
Incident Energy (eV)
82-Pb-204


MAT 8225 (n,2n) α:80-Hg-199m7 82-Pb-204
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 13.000 MeV
ENDFB8.0 Threshold 6.6215 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
800
400
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
59 Incident Energy (eV) 82-Pb-204