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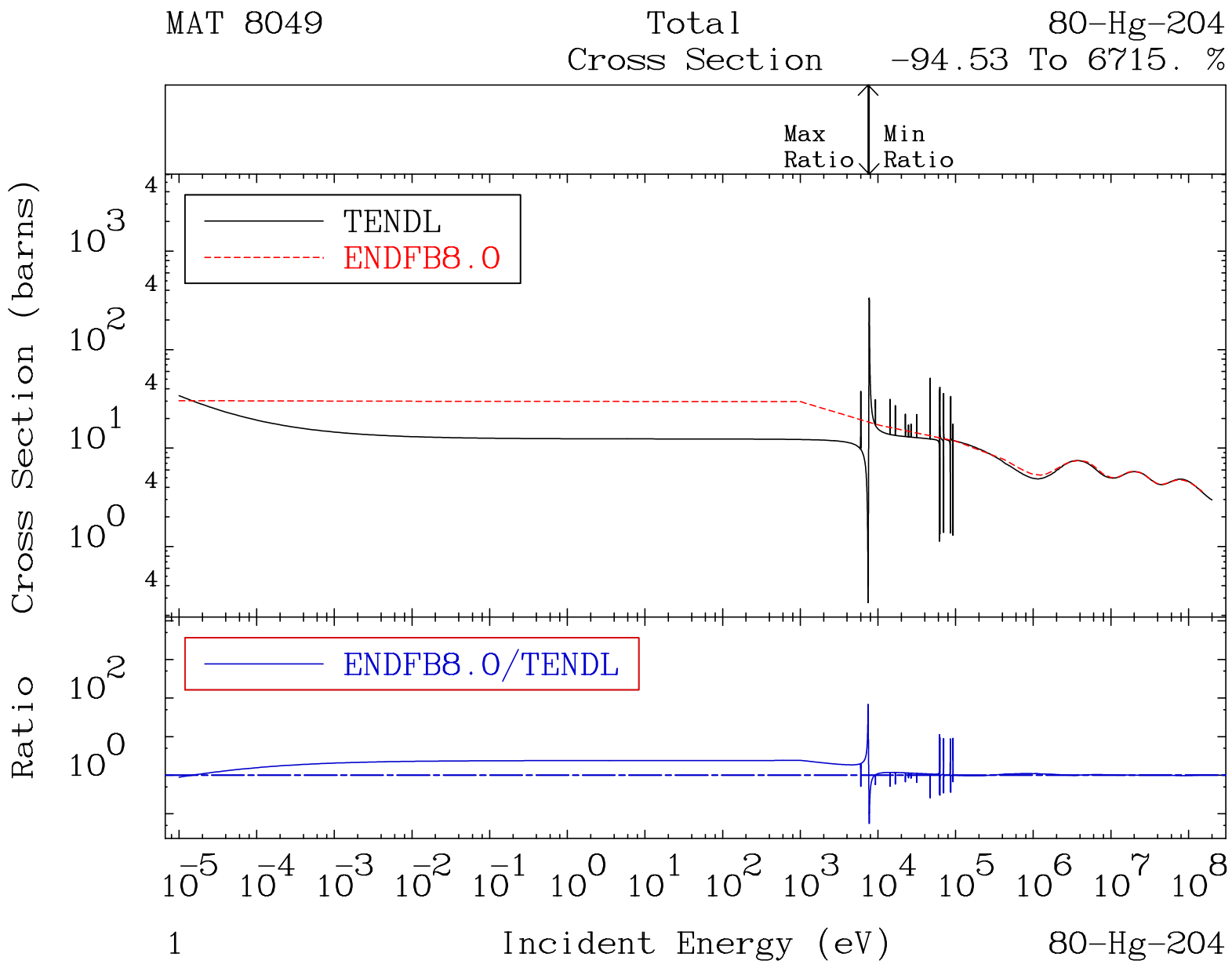
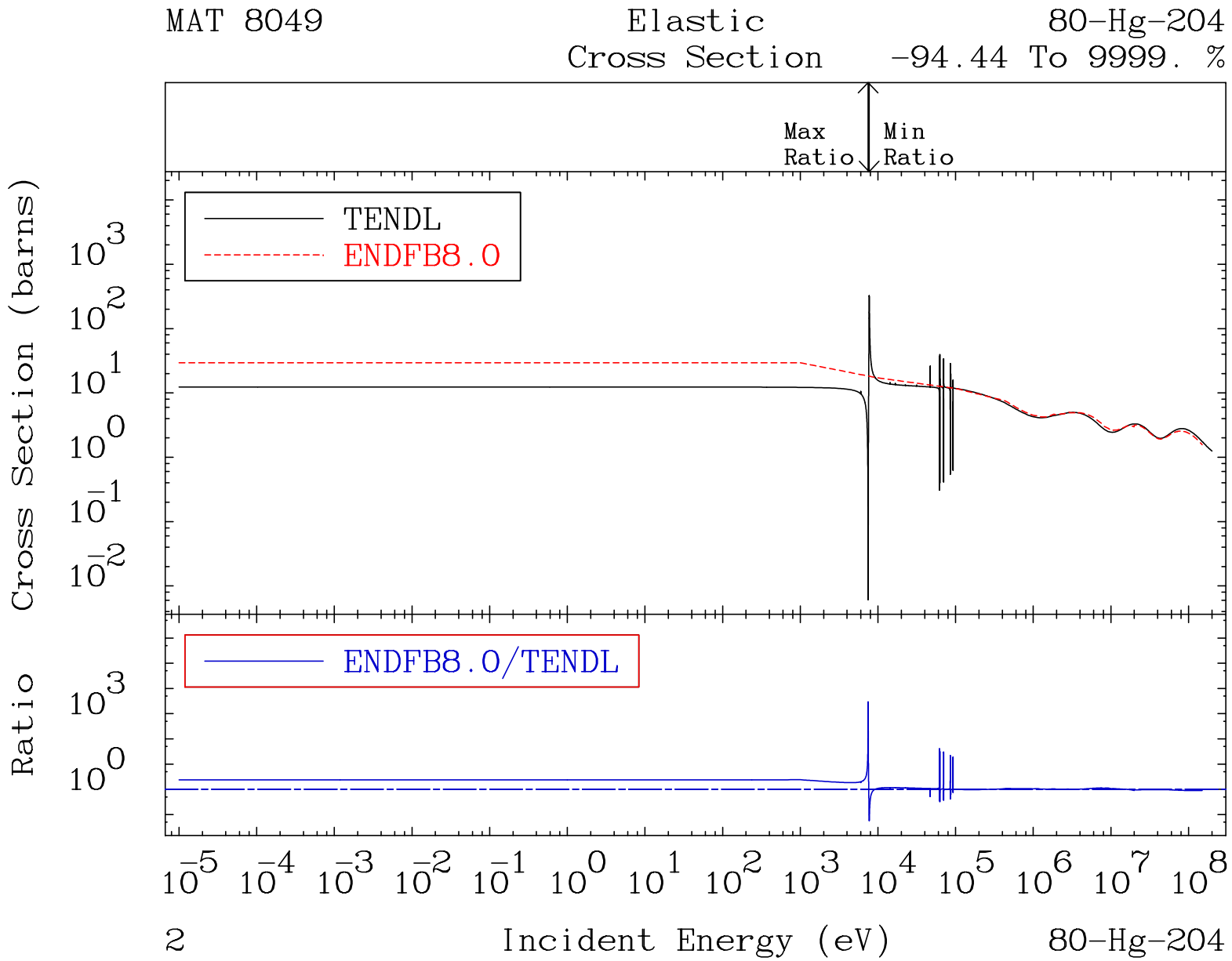
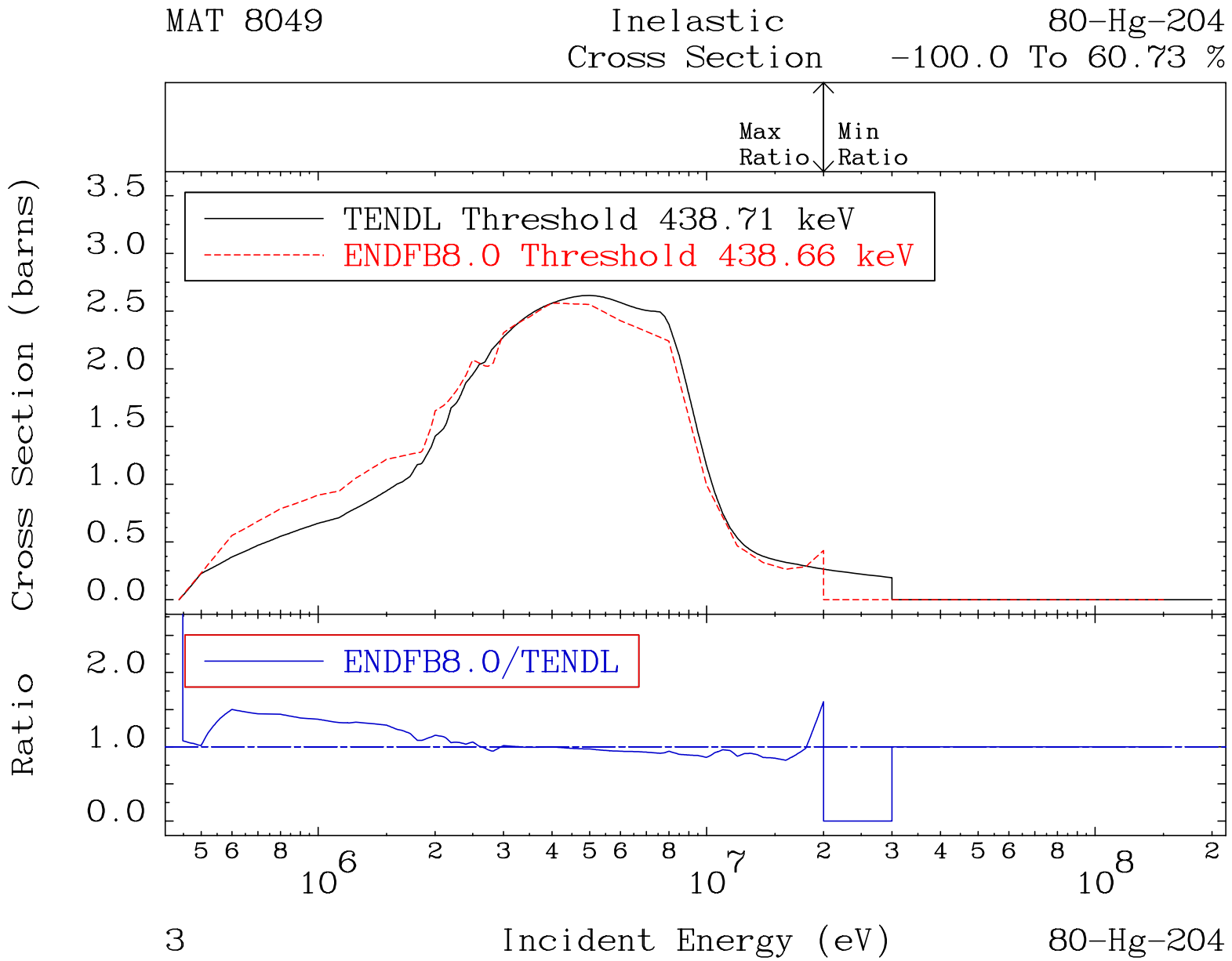
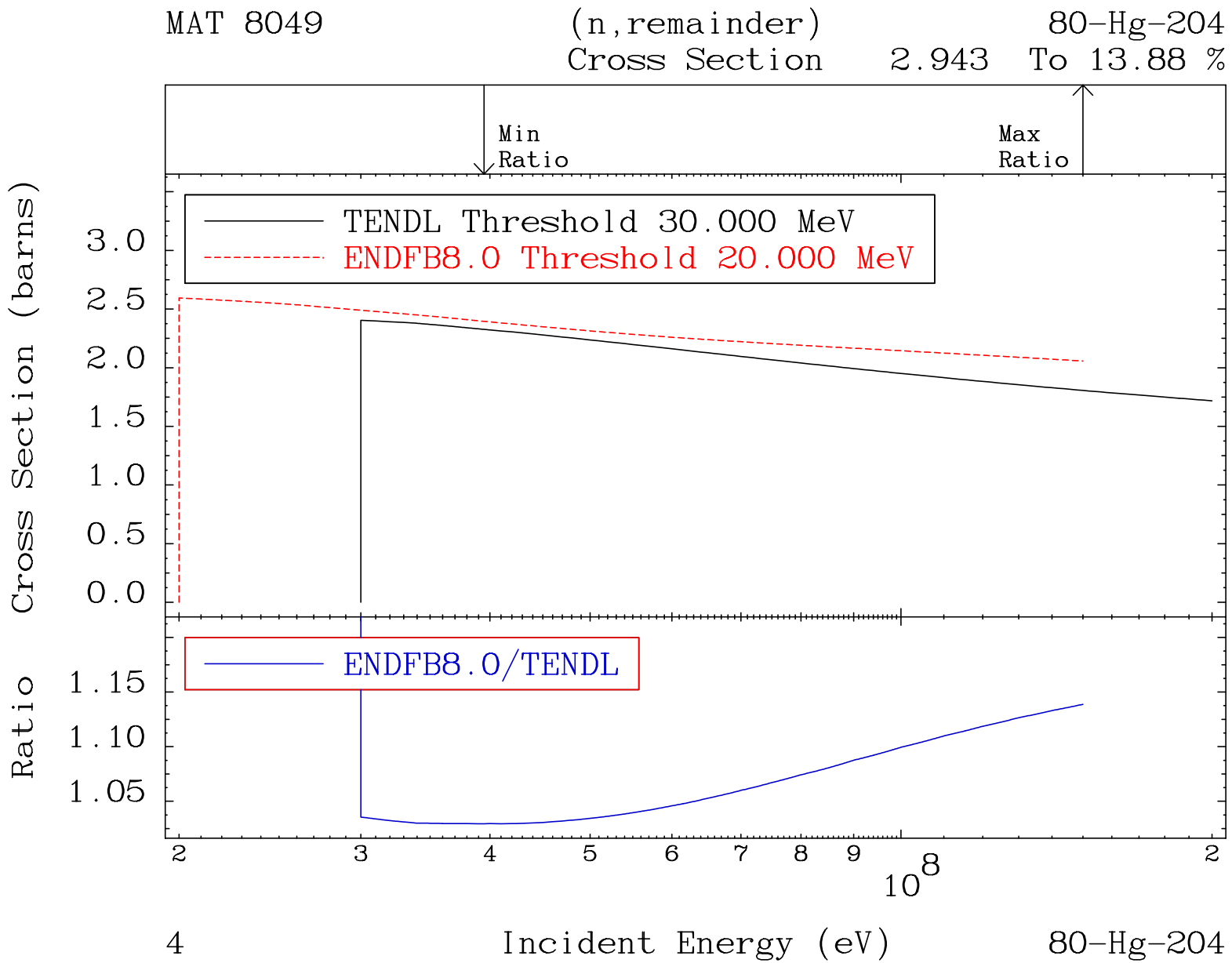
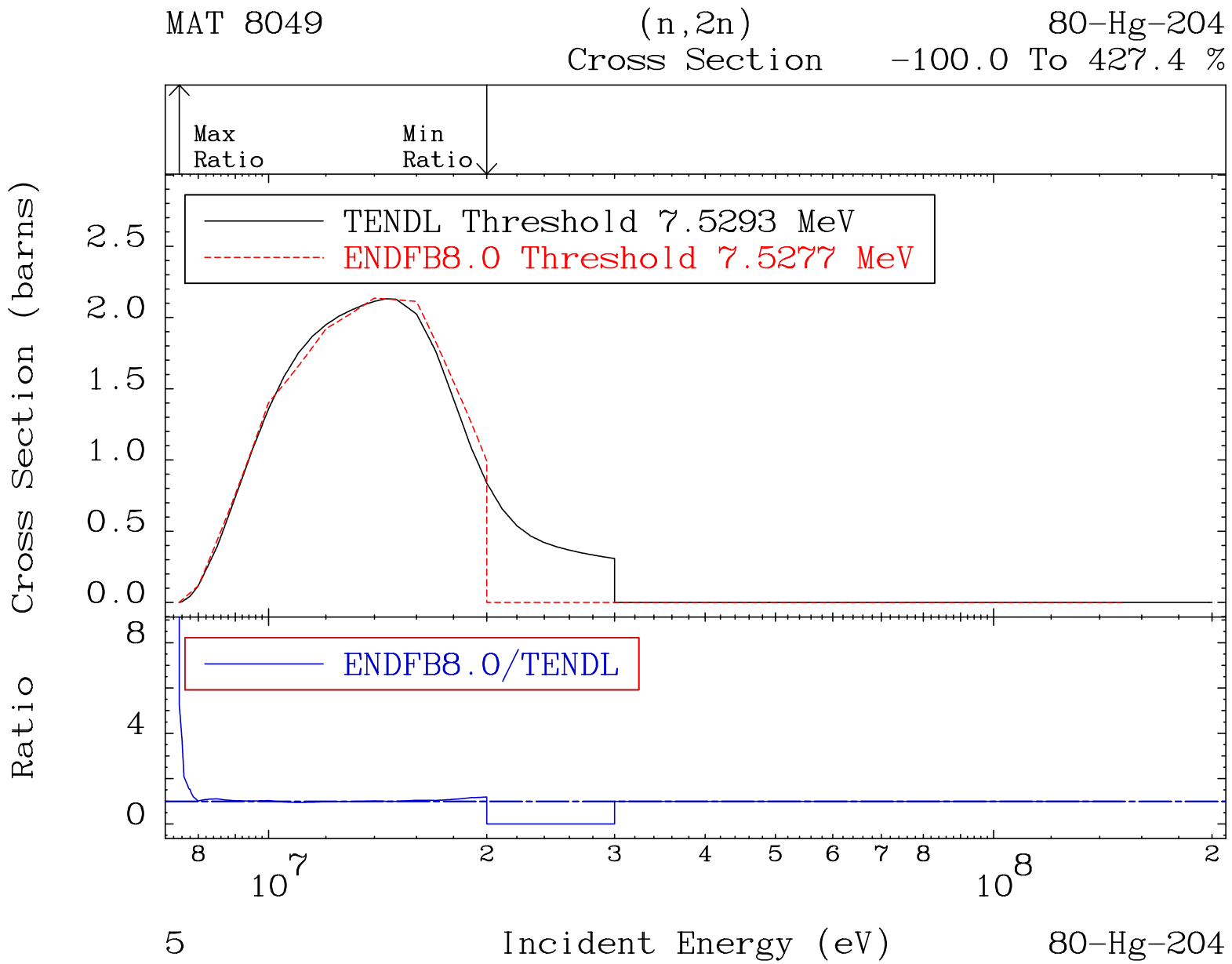
Press Mouse Button to Start

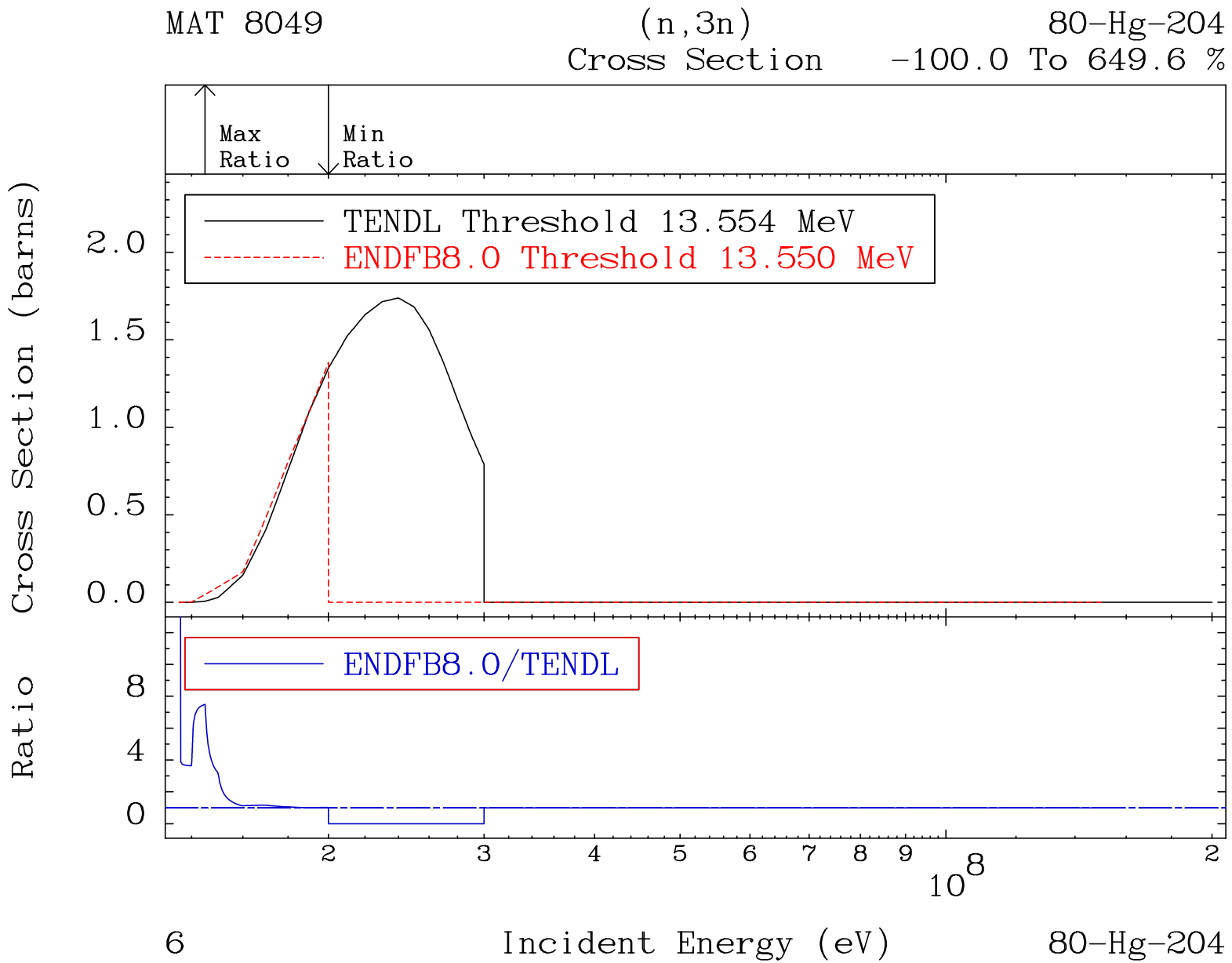

MAT 8049
Total
Cross Section
80-Hg-204
-94.53 To 6715. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
80-Hg-204

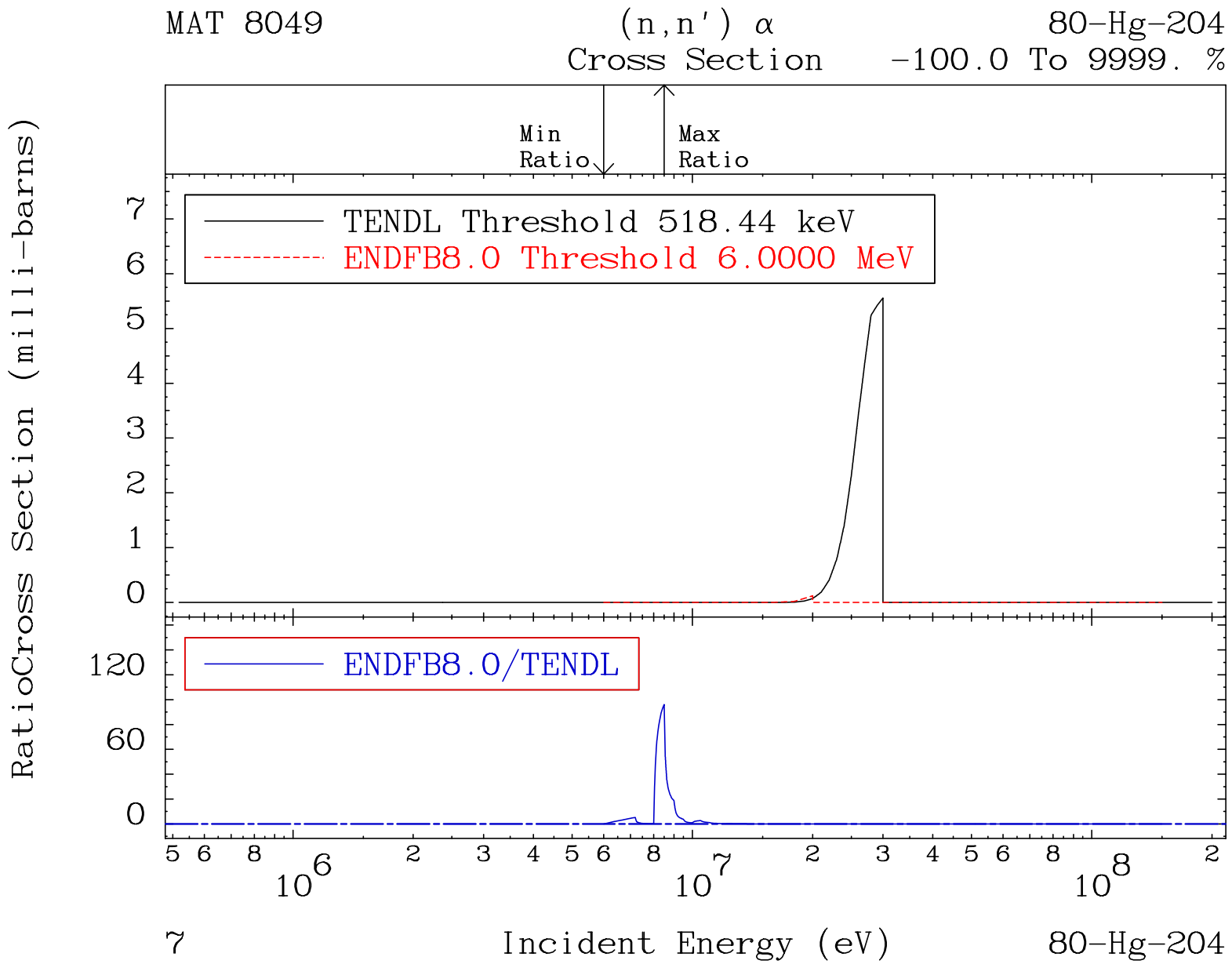

MAT 8049
Elastic
Cross Section
80-Hg-204
-94.44 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
80-Hg-204

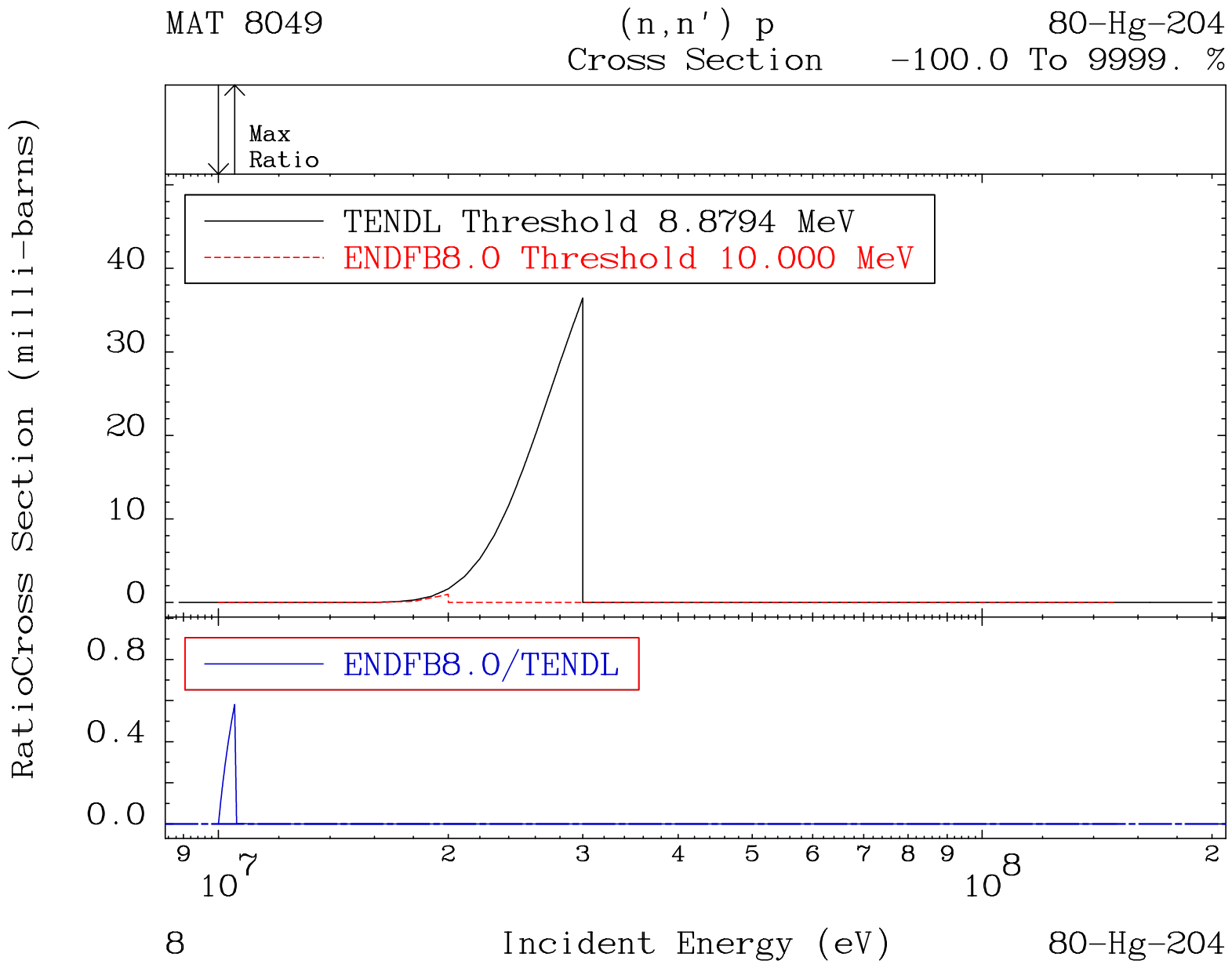

MAT 8049
Inelastic
Cross Section
80-Hg-204
-100.0 To 60.73 %
Max Ratio
Min Ratio
TENDL Threshold 438.71 keV
ENDFB8.0 Threshold 438.66 keV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
80-Hg-204

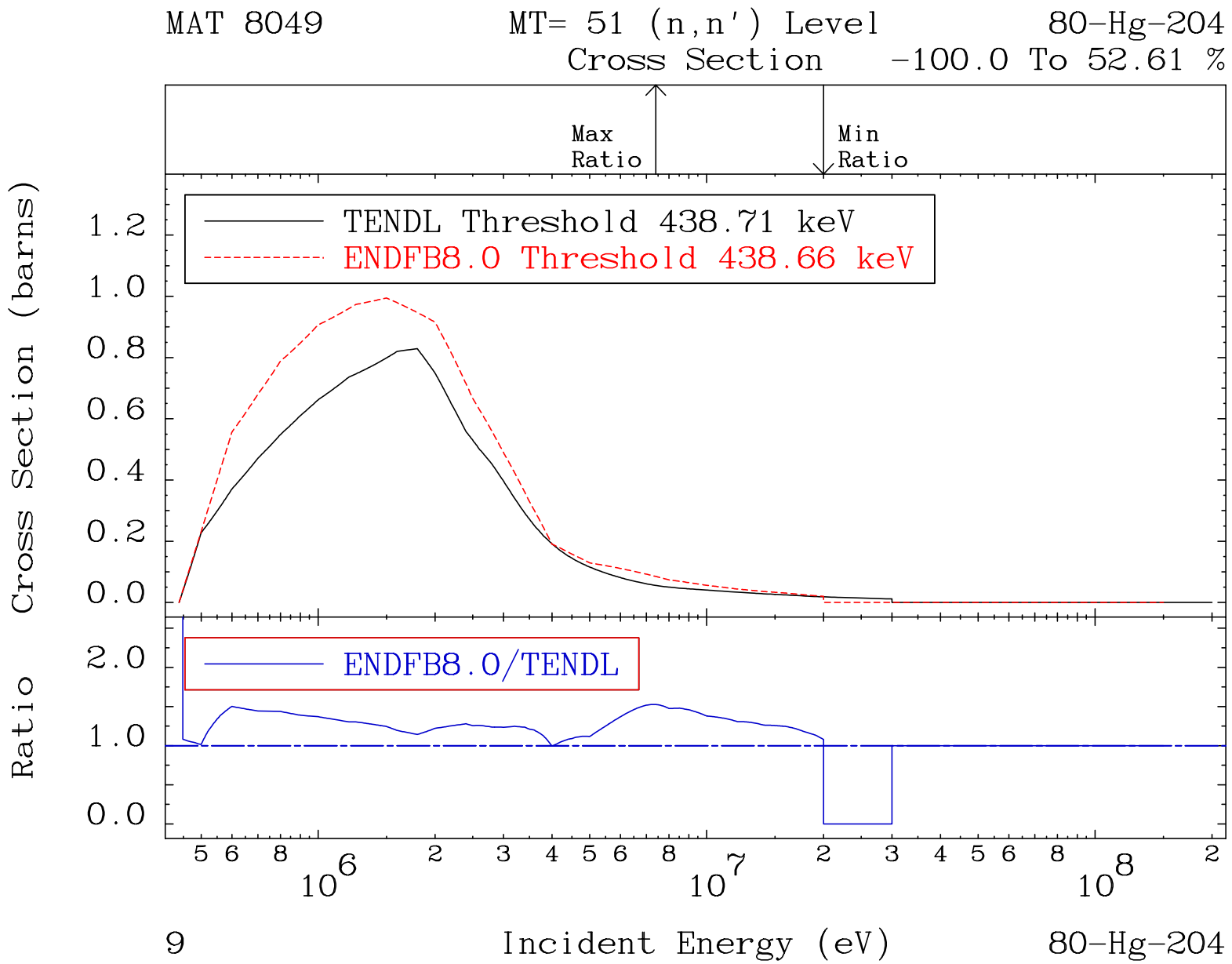

MAT 8049
(n,remainder)
80-Hg-204
Cross Section 2.943 To 13.88 %
Min Ratio
Max Ratio
TENDL Threshold 30.000 MeV
ENDFB8.0 Threshold 20.000 MeV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
1.15
1.10
1.05
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
80-Hg-204

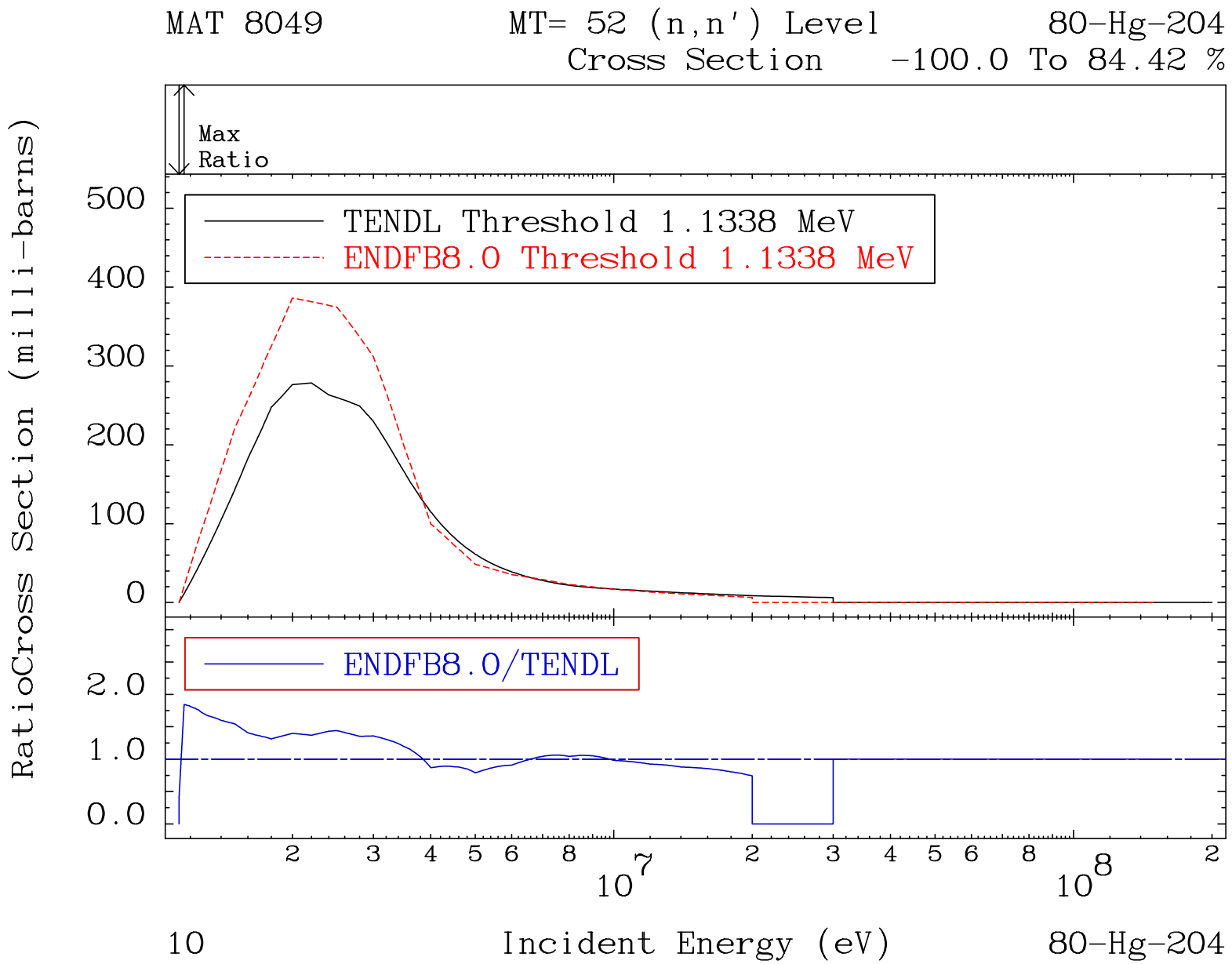

MAT 8049
(n,2n)
Cross Section
80-Hg-204
-100.0 To 427.4 %
Max Ratio
Min Ratio
TENDL Threshold 7.5293 MeV
ENDFB8.0 Threshold 7.5277 MeV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
80-Hg-204
5

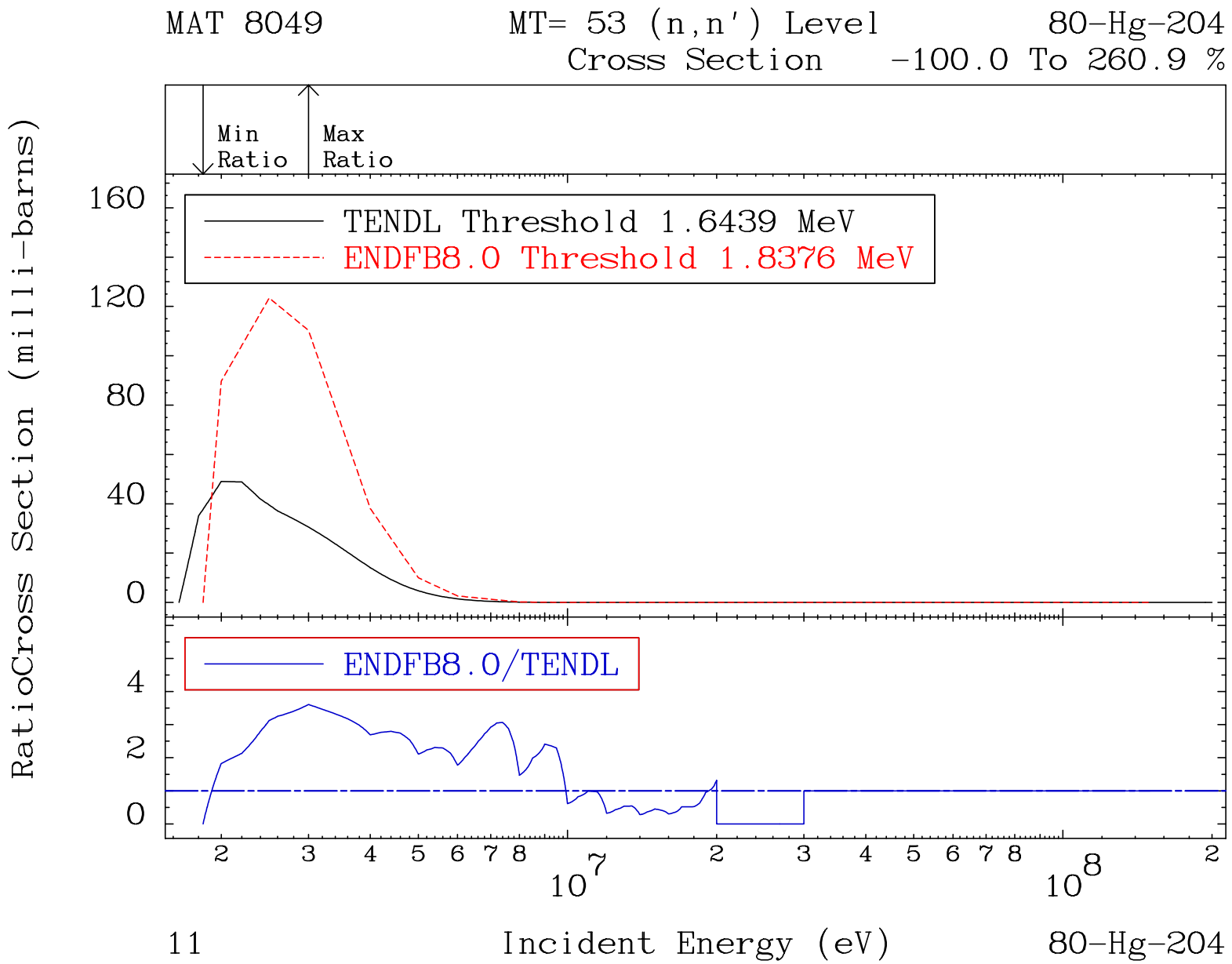

MAT 8049
(n,3n)
Cross Section
80-Hg-204
-100.0 To 649.6 %
Max Ratio
Min Ratio
TENDL Threshold 13.554 MeV
ENDFB8.0 Threshold 13.550 MeV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
8
4
0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
80-Hg-204

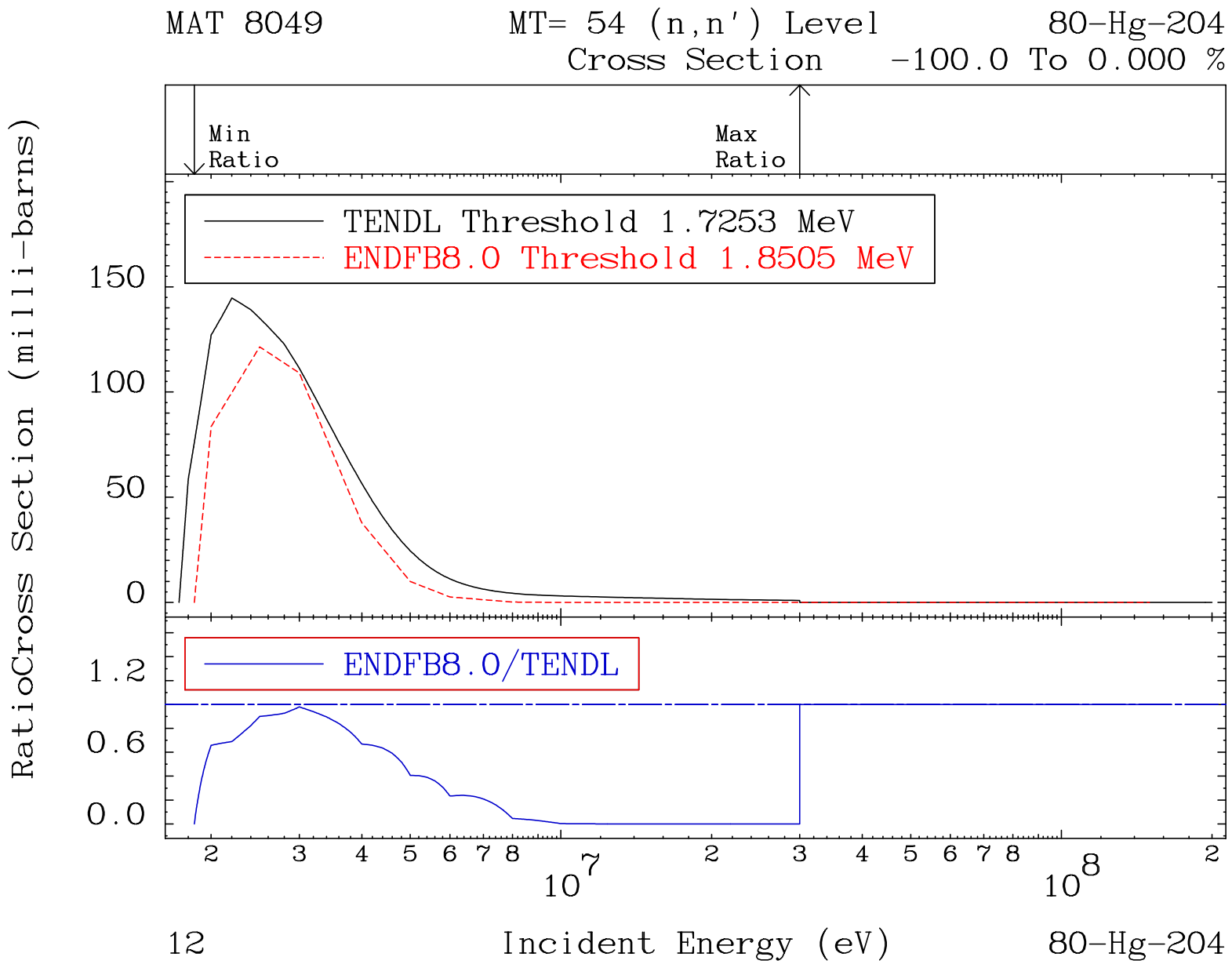

MAT 8049
(n,n') α
Cross Section
80-Hg-204
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 518.44 keV
ENDFB8.0 Threshold 6.0000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
80-Hg-204

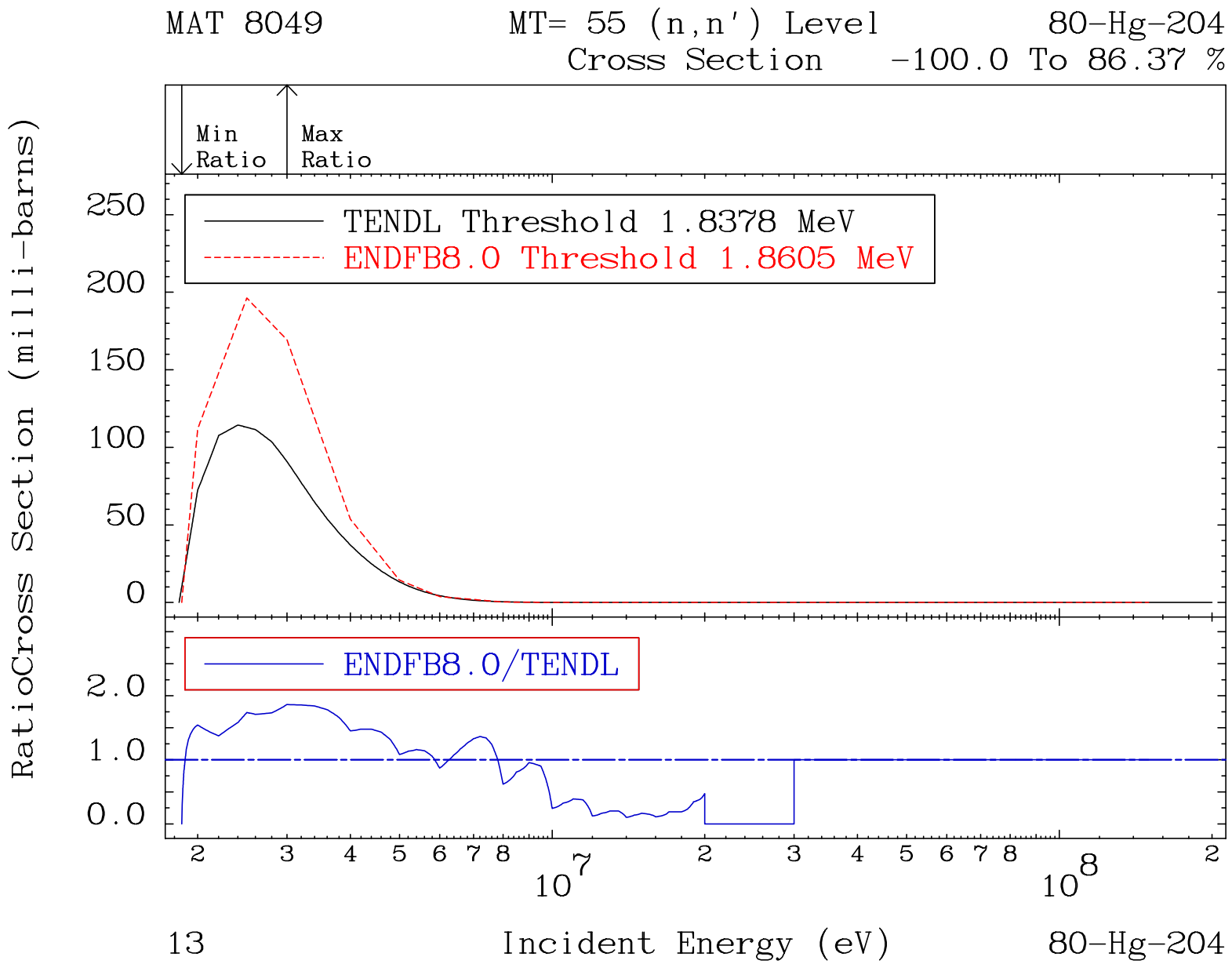

MAT 8049
(n,n') p
Cross Section
80-Hg-204
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 8.8794 MeV
ENDFB8.0 Threshold 10.000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
0.8
0.4
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
80-Hg-204

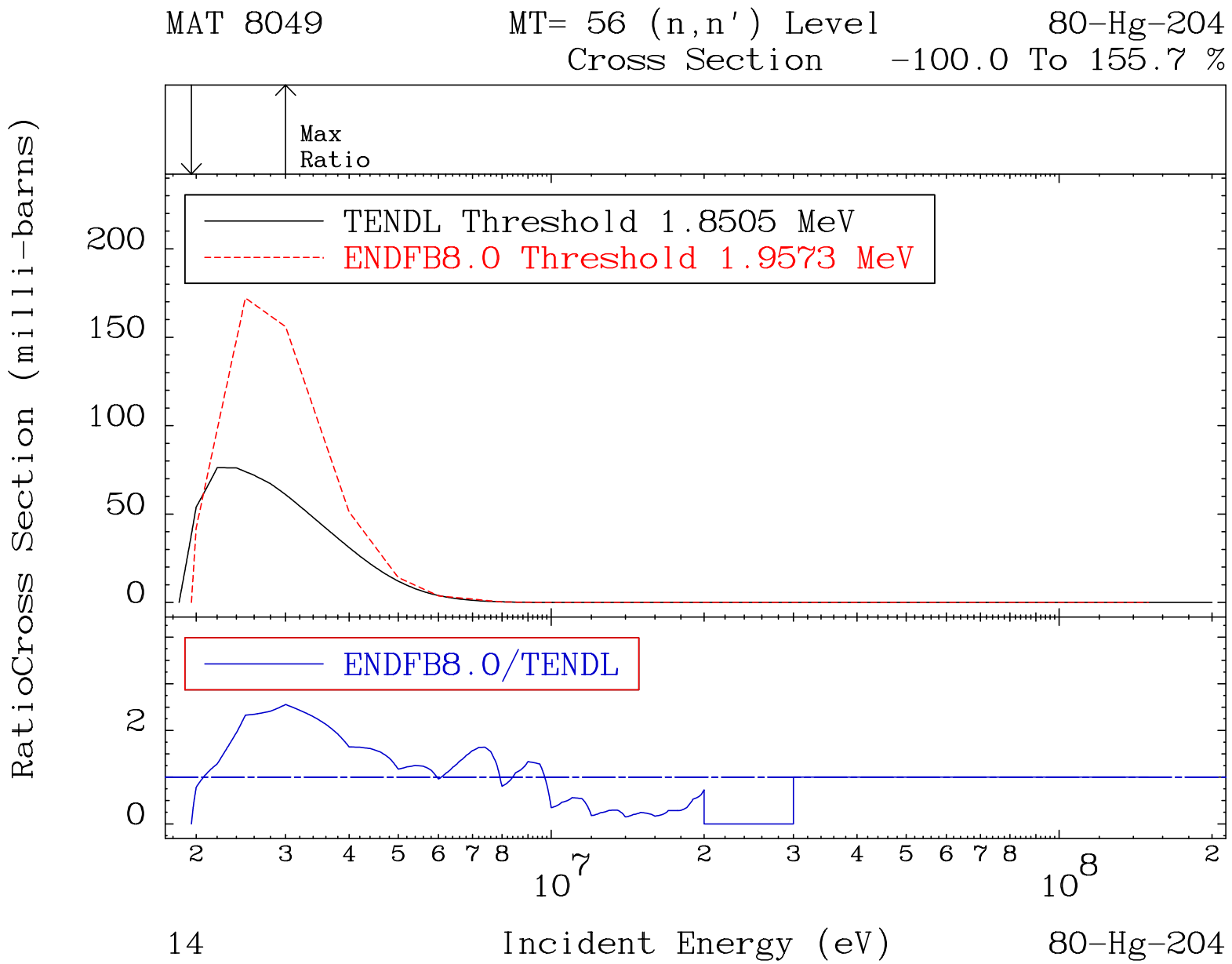

MAT 8049
MT= 51 (n,n') Level
80-Hg-204
Cross Section -100.0 To 52.61 %
Max Ratio
Min Ratio
TENDL Threshold 438.71 keV
ENDFB8.0 Threshold 438.66 keV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
ENDFB8.0/TENDL
Ratio
2.0
1.0
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
9
Incident Energy (eV)
80-Hg-204

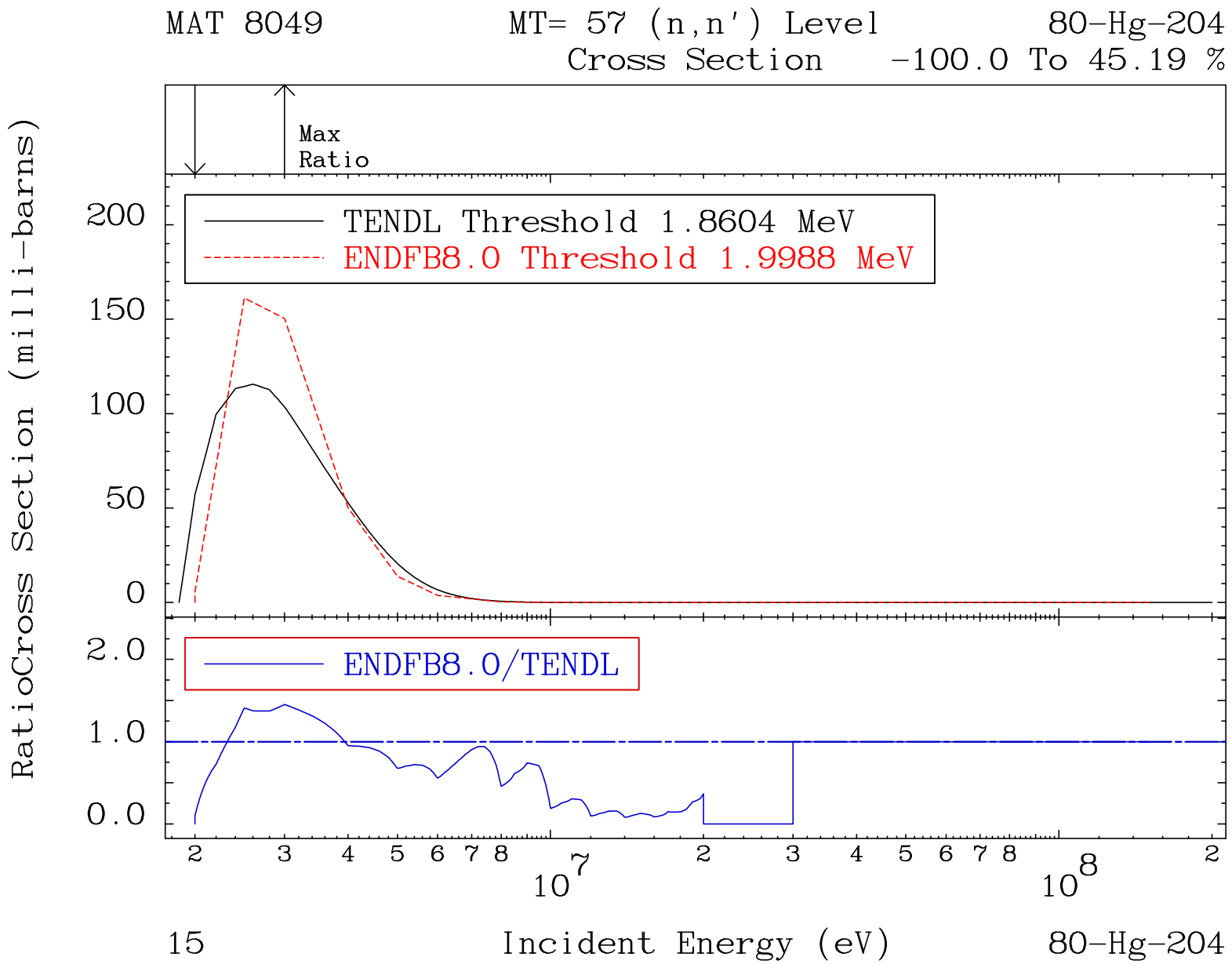

MAT 8049
MT= 52 (n,n') Level
Cross Section
80-Hg-204
-100.0 To 84.42 %
Max
Ratio
TENDL Threshold 1.1338 MeV
ENDFB8.0 Threshold 1.1338 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
10
Incident Energy (eV)
80-Hg-204

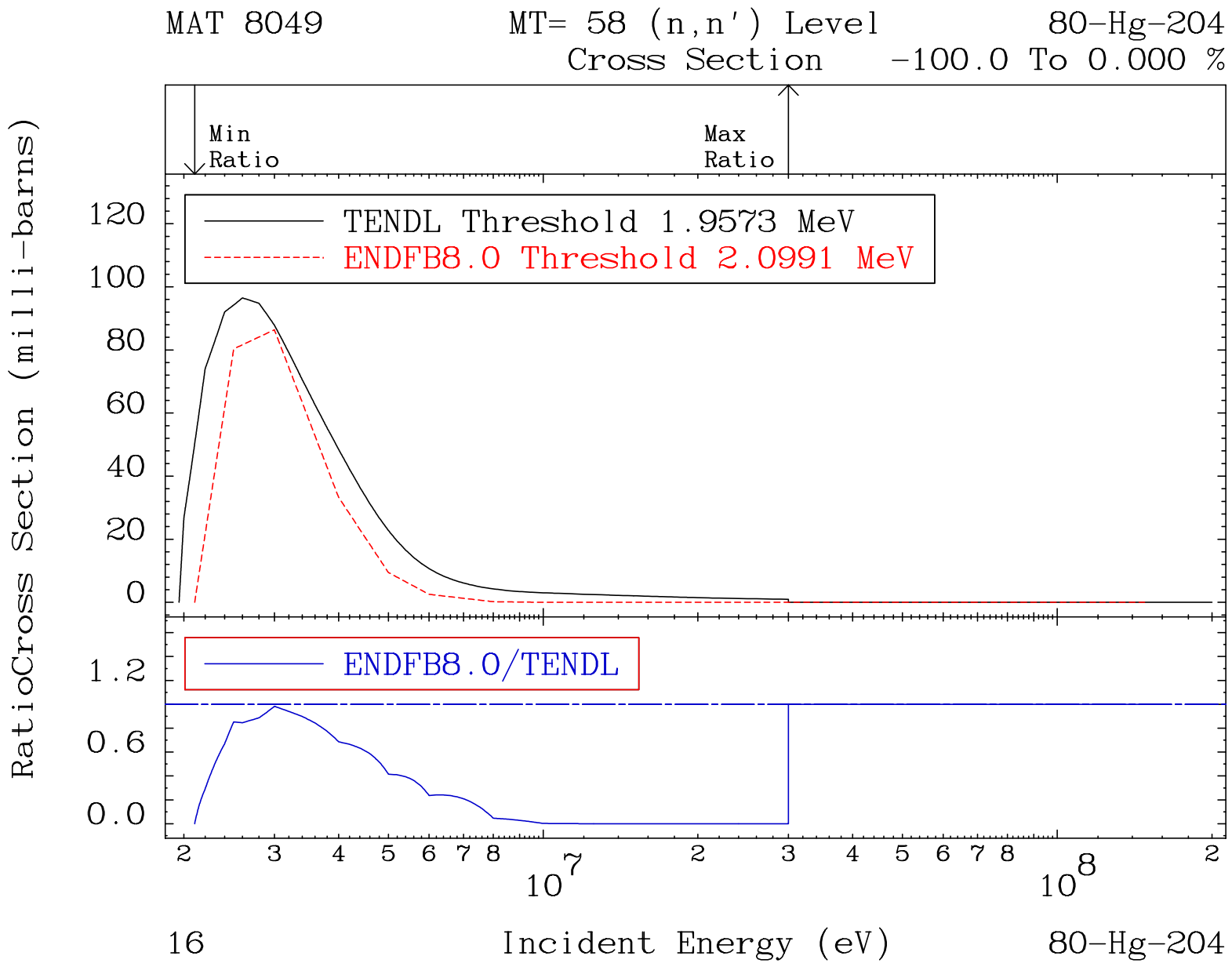

MAT 8049
MT= 53 (n,n') Level
80-Hg-204
Cross Section
-100.0 To 260.9 %
Min Ratio
Max Ratio
TENDL Threshold 1.6439 MeV
ENDFB8.0 Threshold 1.8376 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
4
2
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
11
Incident Energy (eV)
80-Hg-204

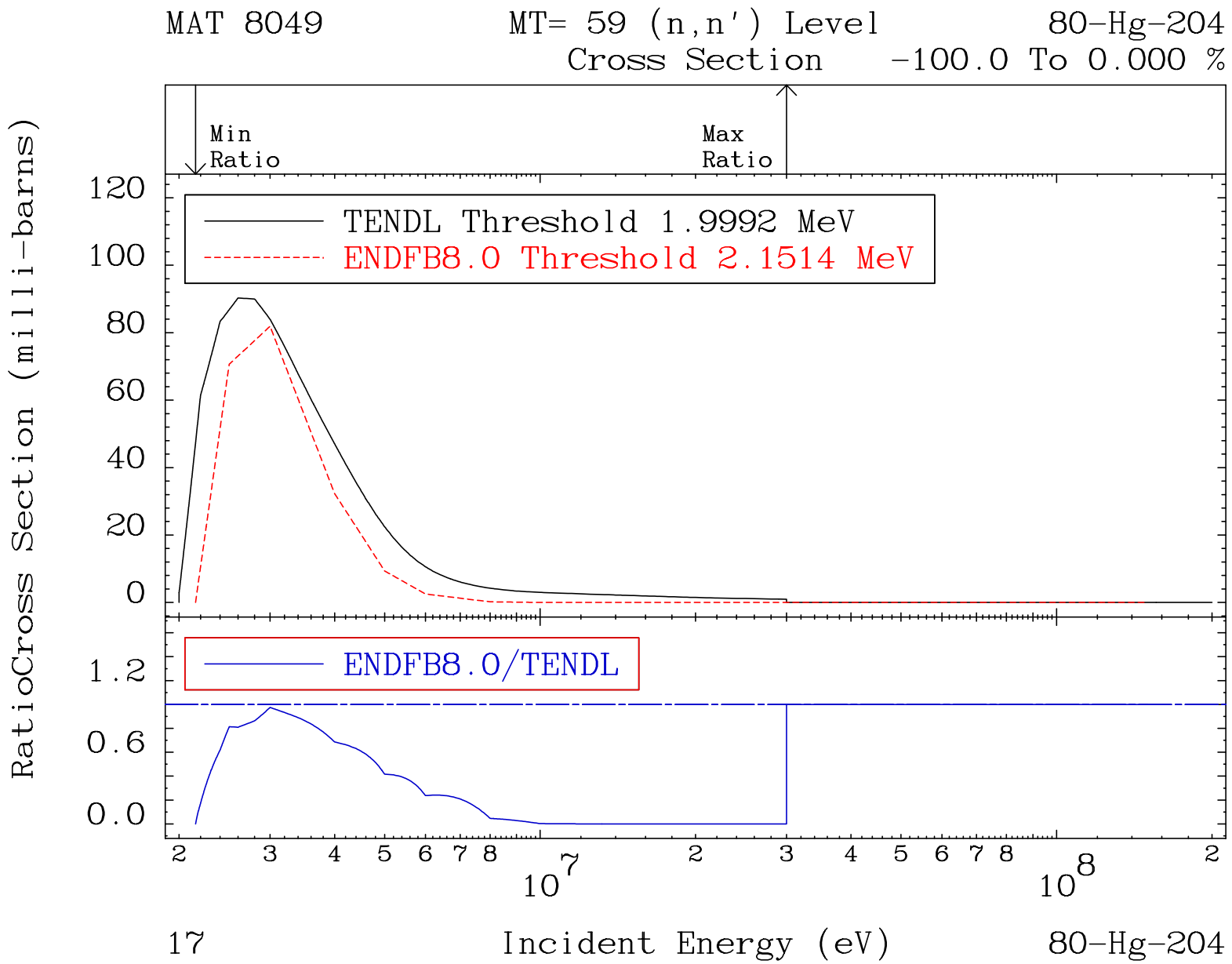

MAT 8049
MT= 54 (n,n') Level
80-Hg-204
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 1.7253 MeV
ENDFB8.0 Threshold 1.8505 MeV
150
100
50
0
ENDFB8.0/TENDL
1.2
0.6
0.0
RatioCross Section (milli-barns)
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
80-Hg-204

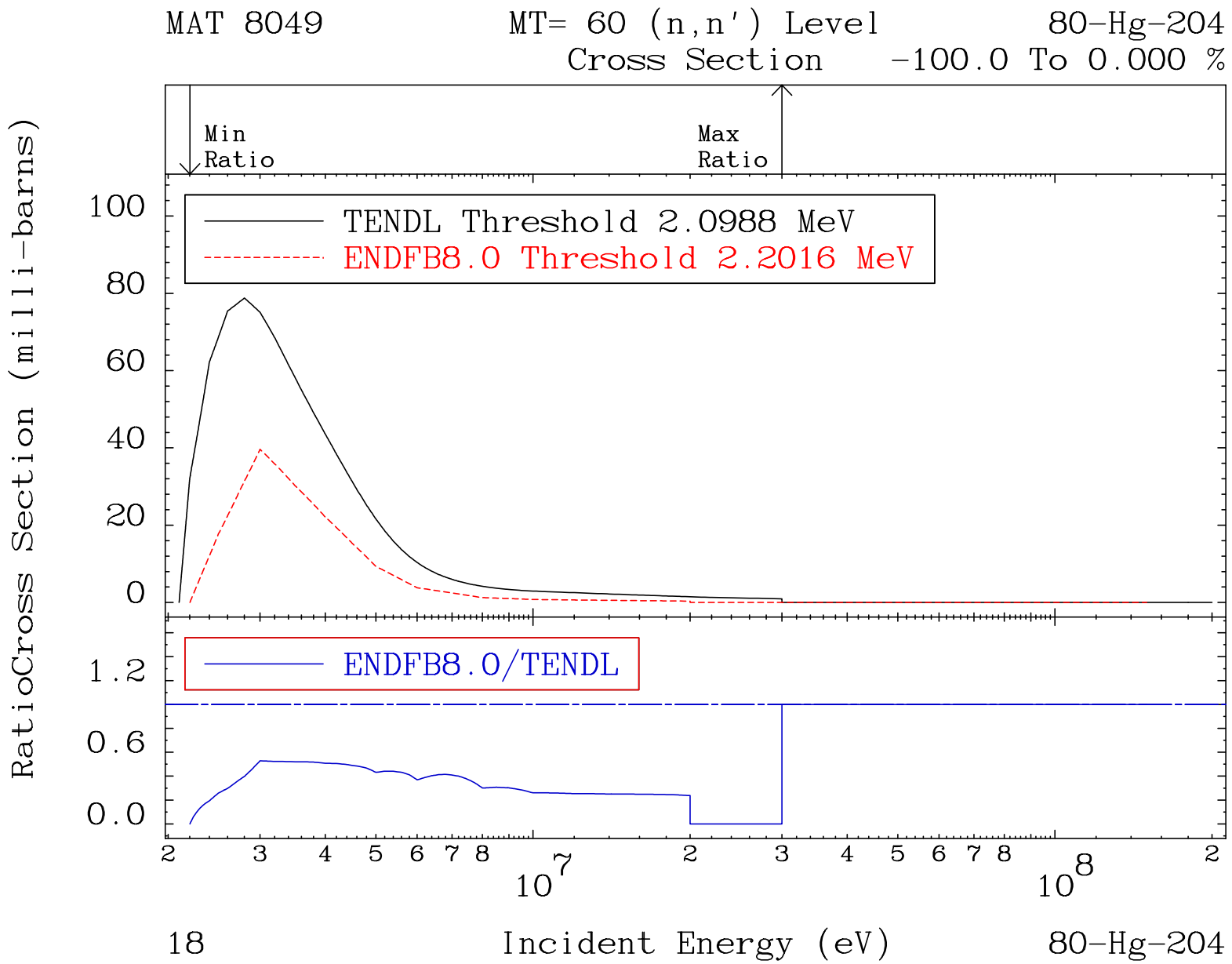

MAT 8049
MT= 55 (n,n') Level
80-Hg-204
Cross Section -100.0 To 86.37 %
Min Ratio
Max Ratio
TENDL Threshold 1.8378 MeV
ENDFB8.0 Threshold 1.8605 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
80-Hg-204

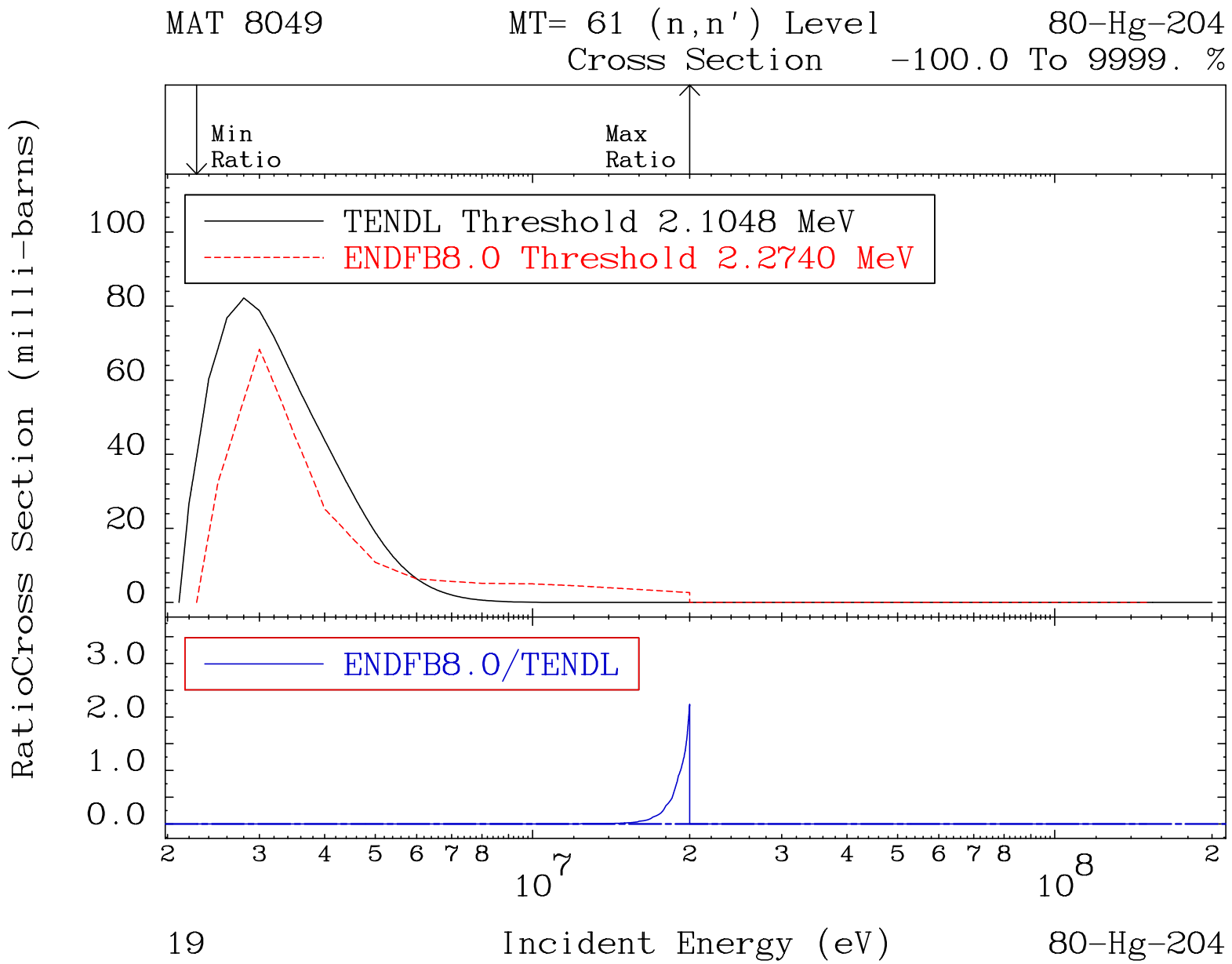

MAT 8049
MT= 56 (n,n') Level
80-Hg-204
Cross Section -100.0 To 155.7 %
Max
Ratio
TENDL Threshold 1.8505 MeV
ENDFB8.0 Threshold 1.9573 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
80-Hg-204

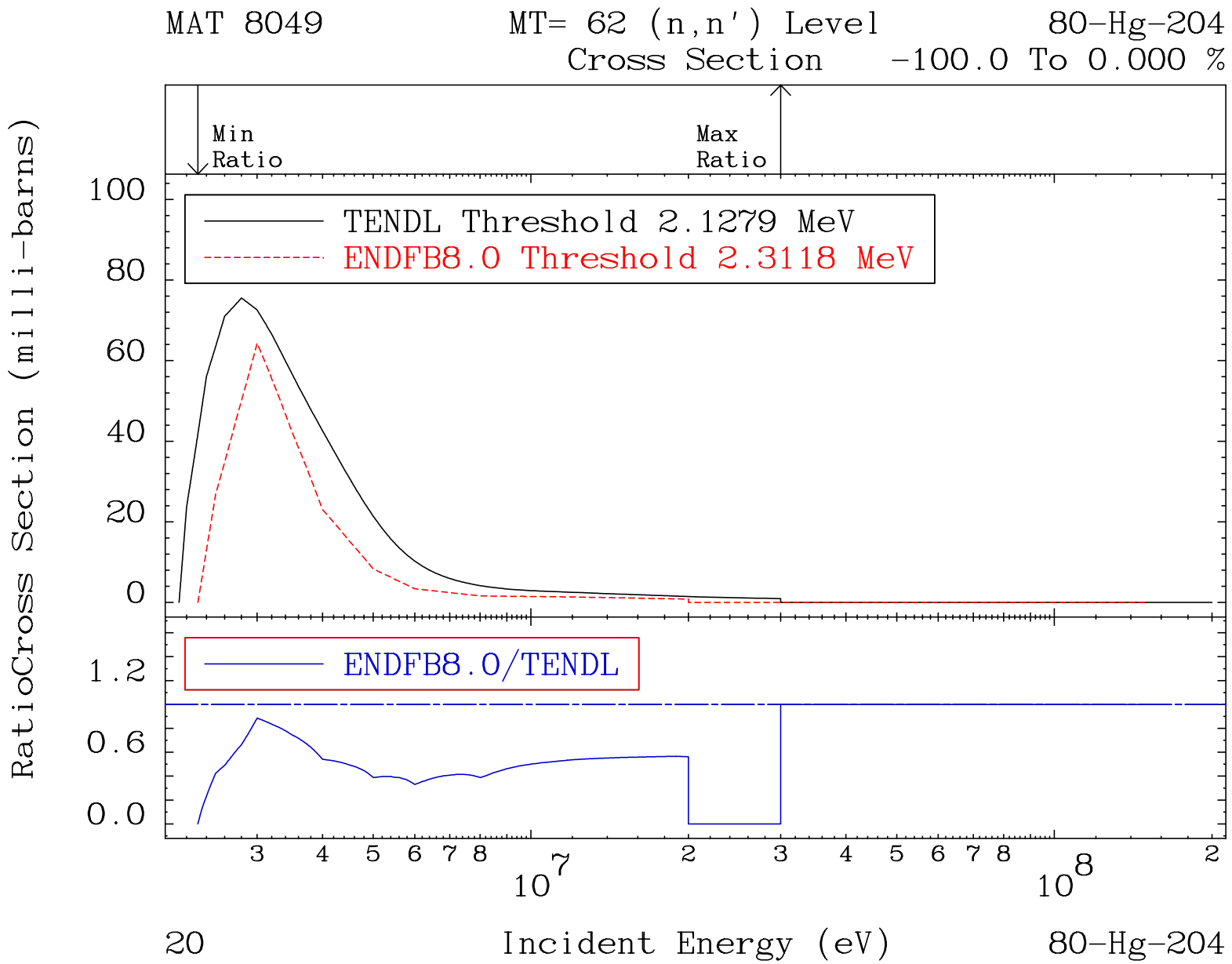

MAT 8049
MT= 57 (n,n') Level
80-Hg-204
Cross Section -100.0 To 45.19 %
Max
Ratio
TENDL Threshold 1.8604 MeV
ENDFB8.0 Threshold 1.9988 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
80-Hg-204

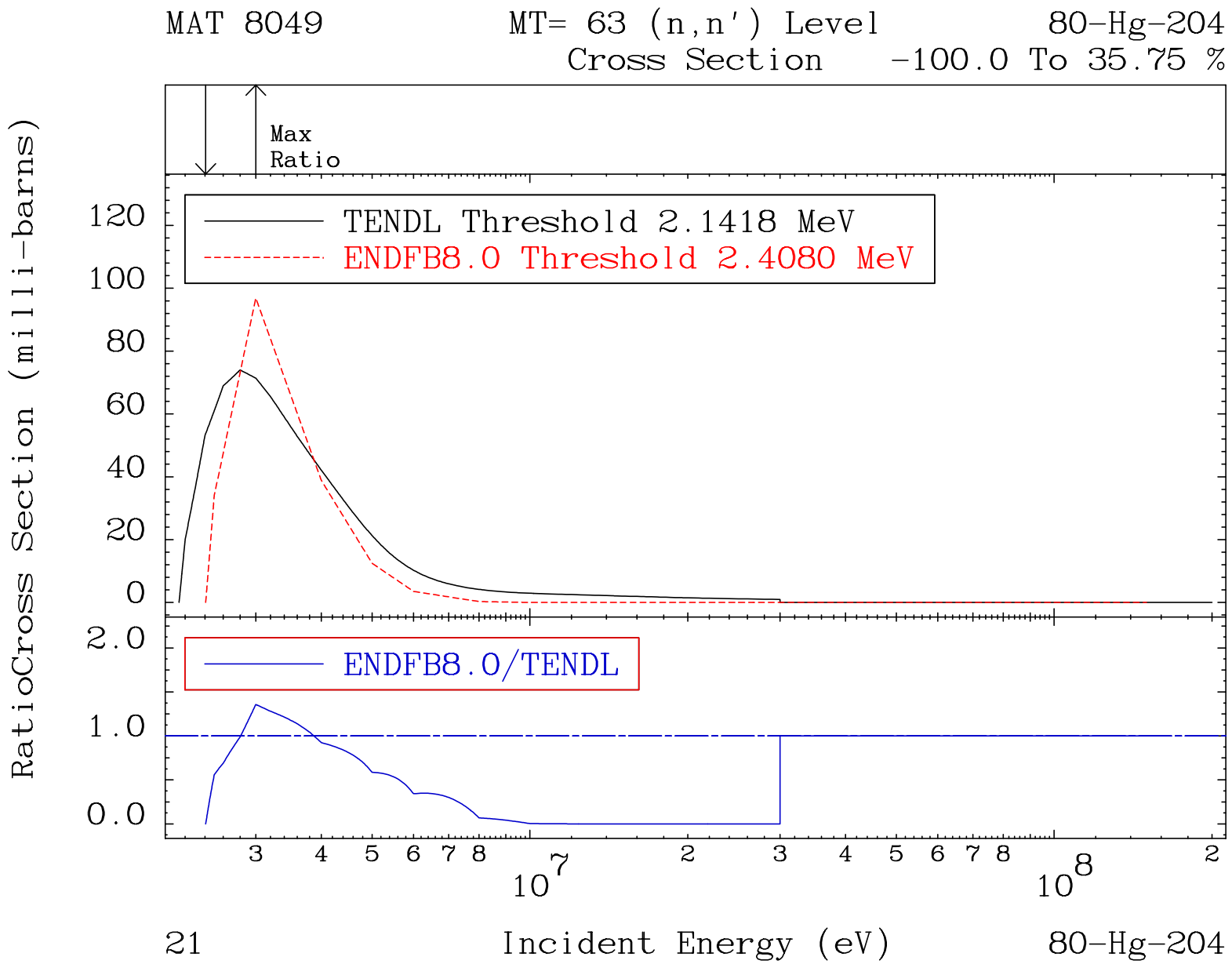

MAT 8049
MT= 58 (n,n') Level
80-Hg-204
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 1.9573 MeV
ENDFB8.0 Threshold 2.0991 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.2
0.6
0.0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
16
Incident Energy (eV)
80-Hg-204

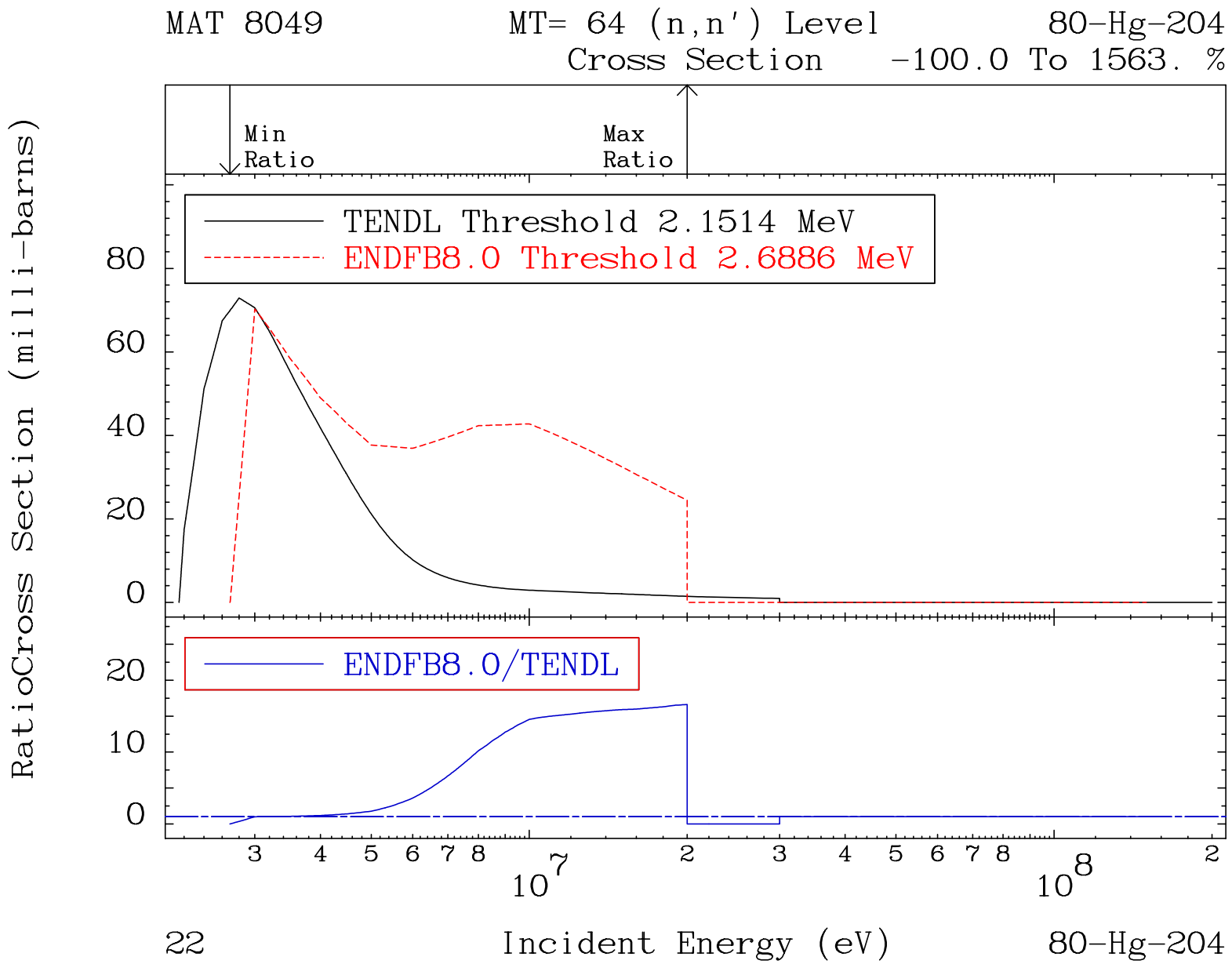

MAT 8049
MT= 59 (n,n') Level
80-Hg-204
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 1.9992 MeV
ENDFB8.0 Threshold 2.1514 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.2
0.6
0.0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
17
Incident Energy (eV)
80-Hg-204

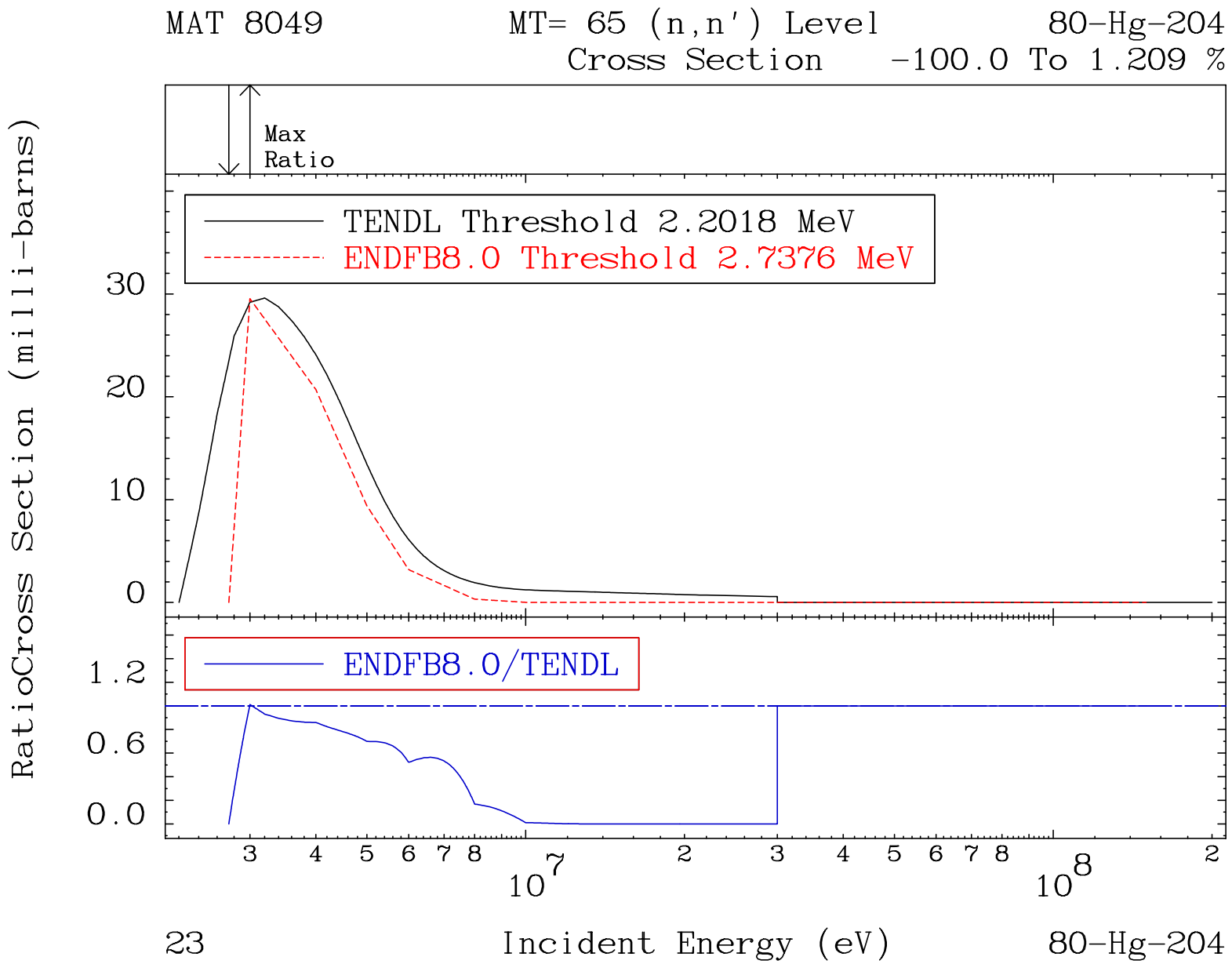

MAT 8049
MT= 60 (n,n') Level
80-Hg-204
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.0988 MeV
ENDFB8.0 Threshold 2.2016 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
18
Incident Energy (eV)
80-Hg-204

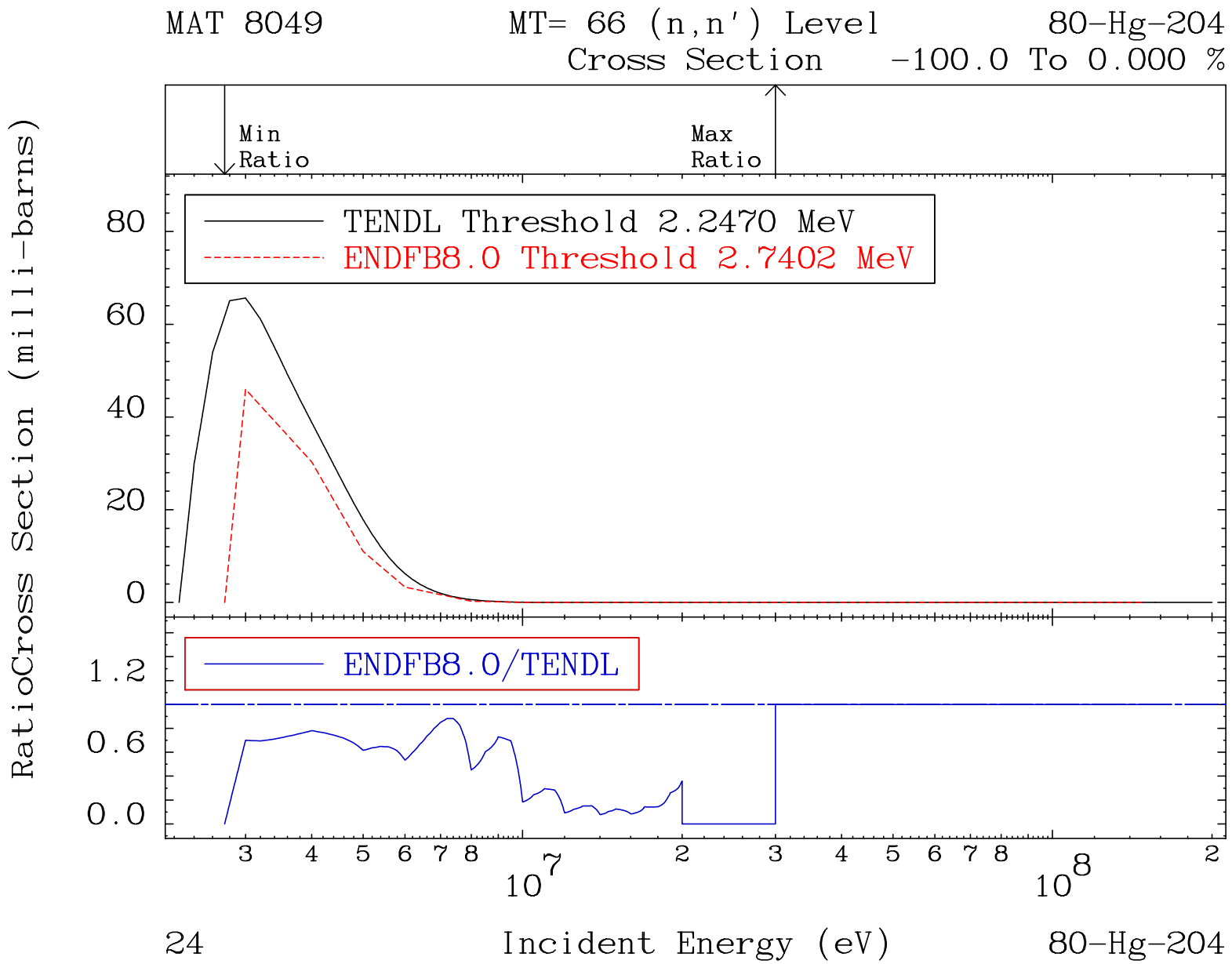

MAT 8049
MT= 61 (n,n') Level
80-Hg-204
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.1048 MeV
ENDFB8.0 Threshold 2.2740 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
3.0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
80-Hg-204

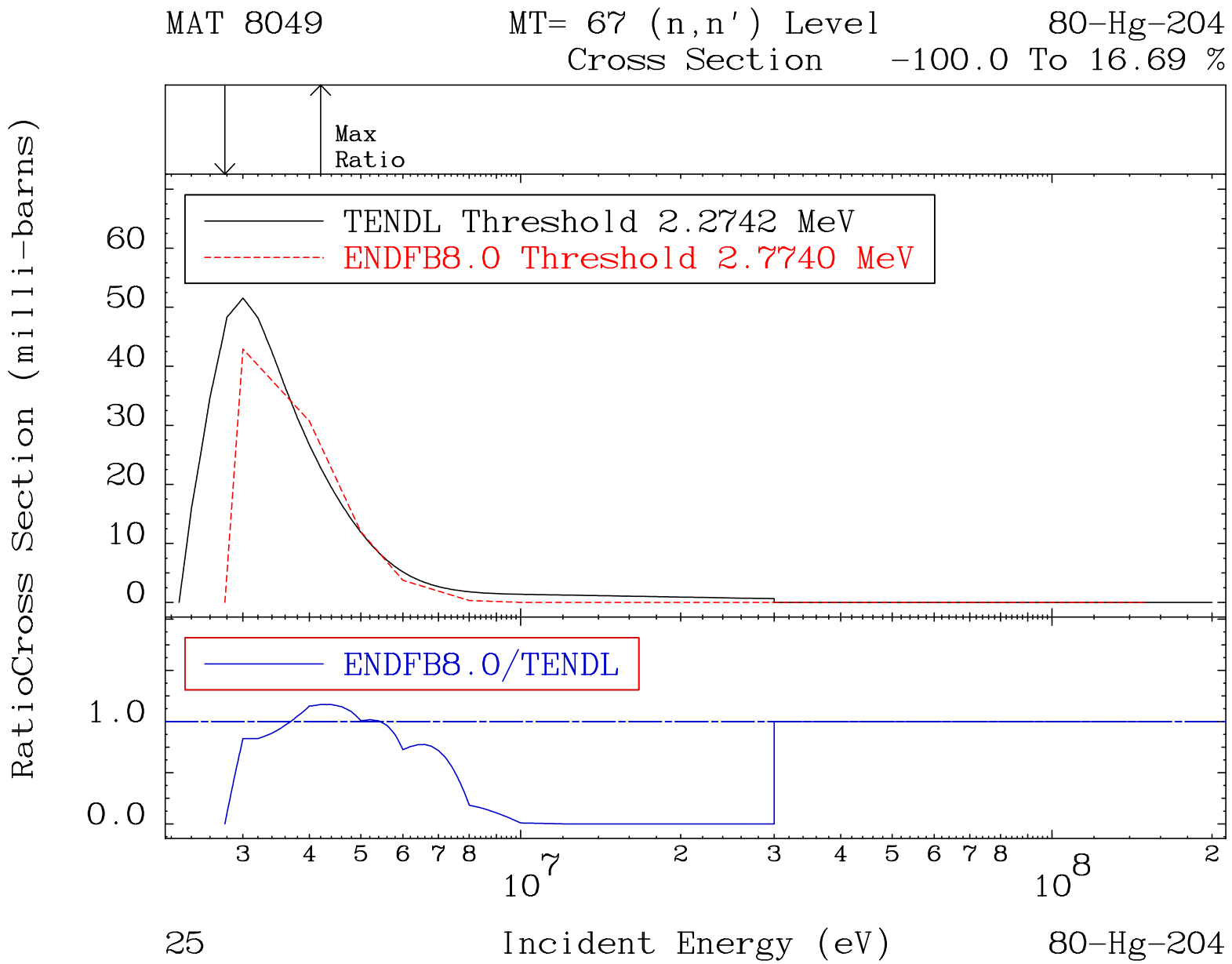

MAT 8049
MT= 62 (n,n') Level
80-Hg-204
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.1279 MeV
ENDFB8.0 Threshold 2.3118 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
80-Hg-204

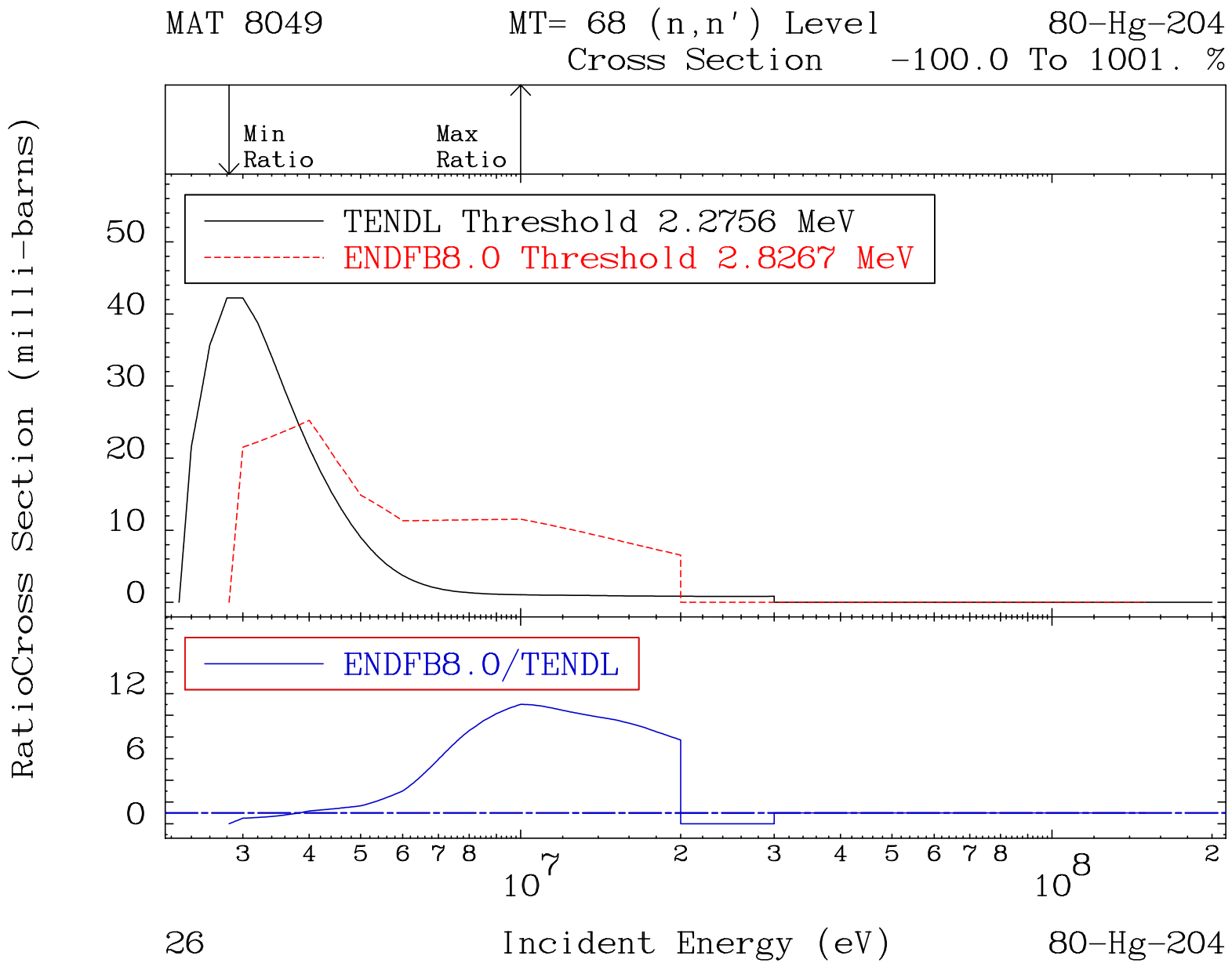

MAT 8049
MT= 63 (n,n') Level
80-Hg-204
Cross Section -100.0 To 35.75 %
Max
Ratio
TENDL Threshold 2.1418 MeV
ENDFB8.0 Threshold 2.4080 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
80-Hg-204

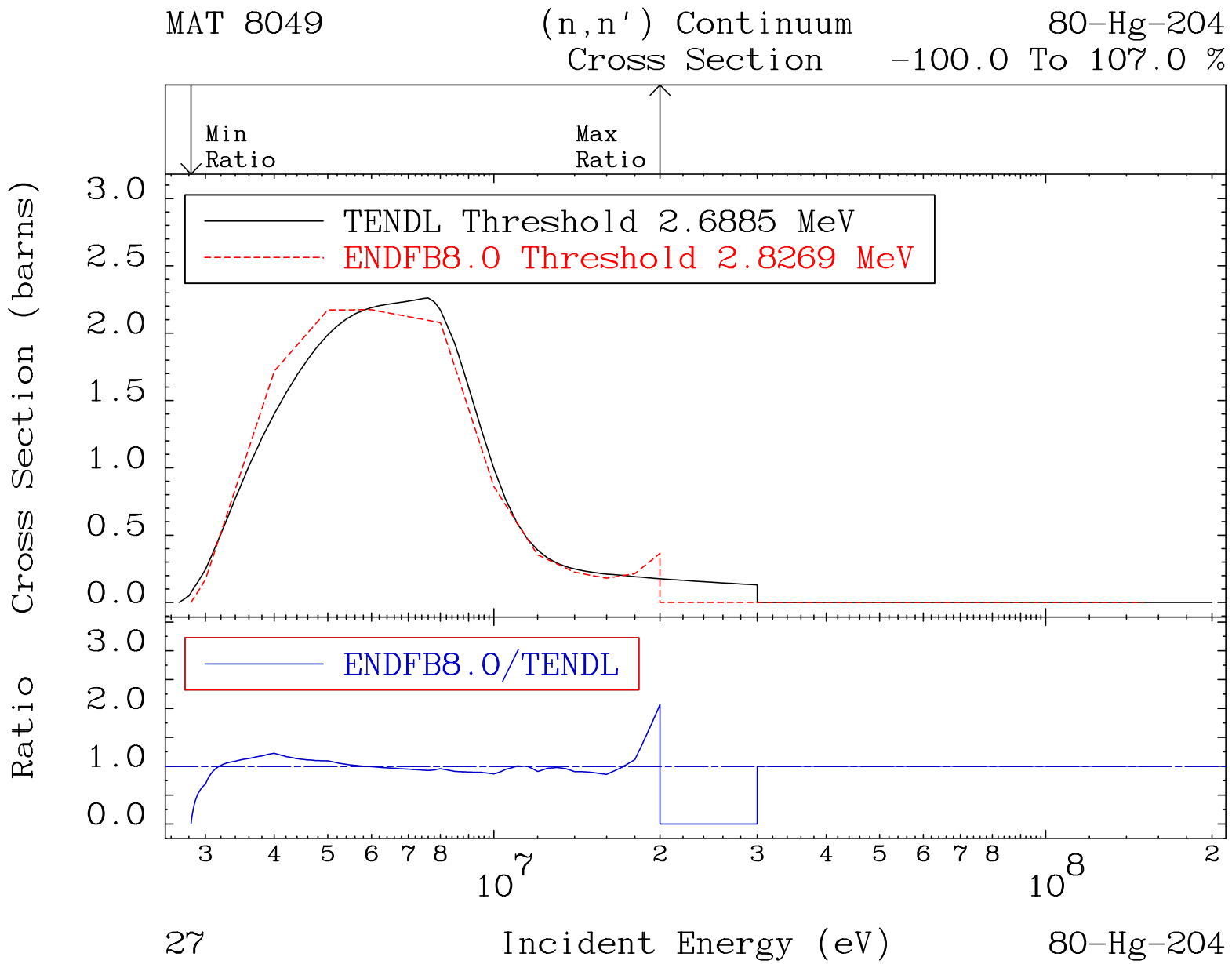

MAT 8049
MT= 64 (n,n') Level
80-Hg-204
Cross Section -100.0 To 1563. %
Min Ratio
Max Ratio
TENDL Threshold 2.1514 MeV
ENDFB8.0 Threshold 2.6886 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
22
80-Hg-204

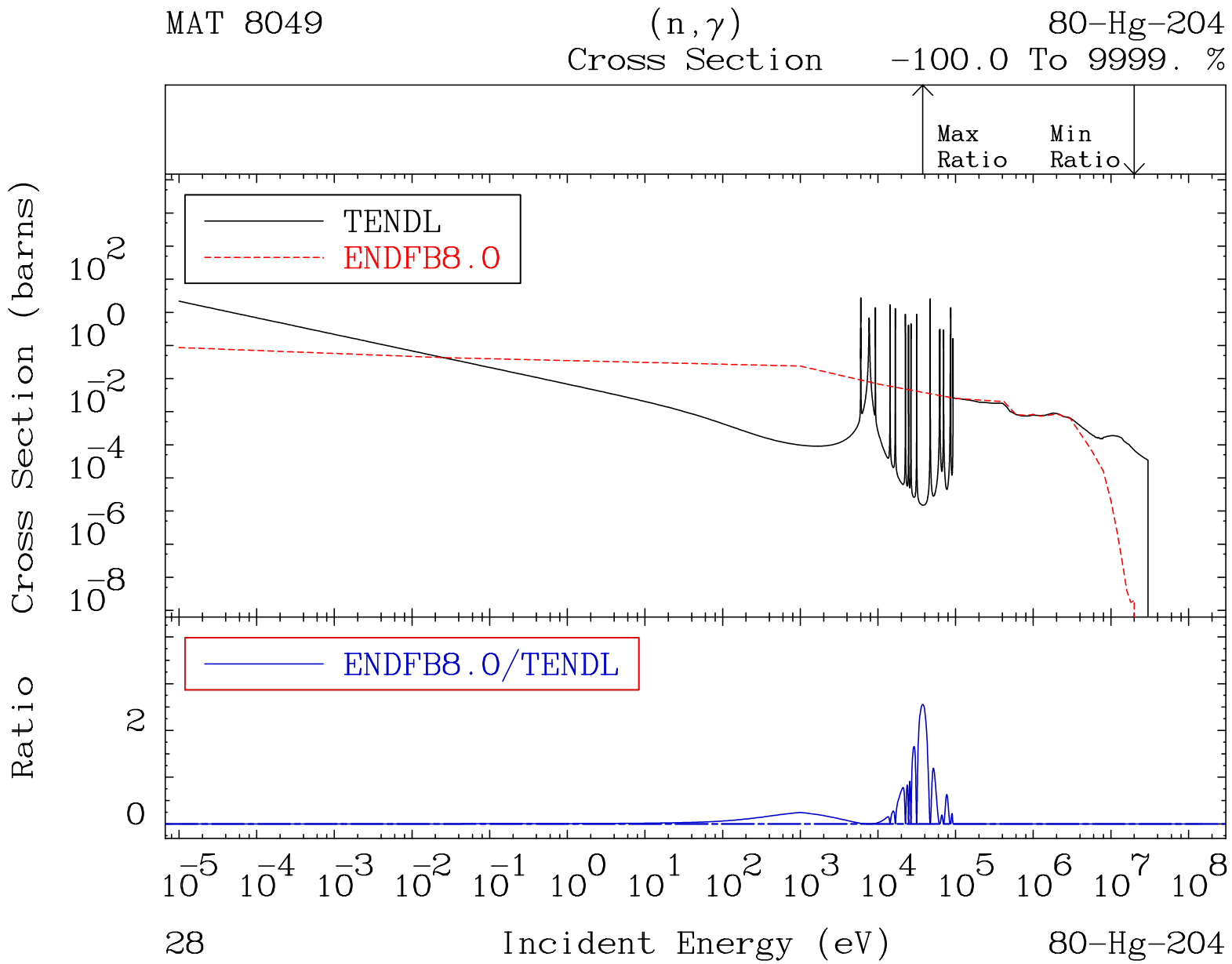

MAT 8049
MT= 65 (n,n') Level
80-Hg-204
Cross Section -100.0 To 1.209 %
Max
Ratio
TENDL Threshold 2.2018 MeV
ENDFB8.0 Threshold 2.7376 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
30
20
10
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
80-Hg-204

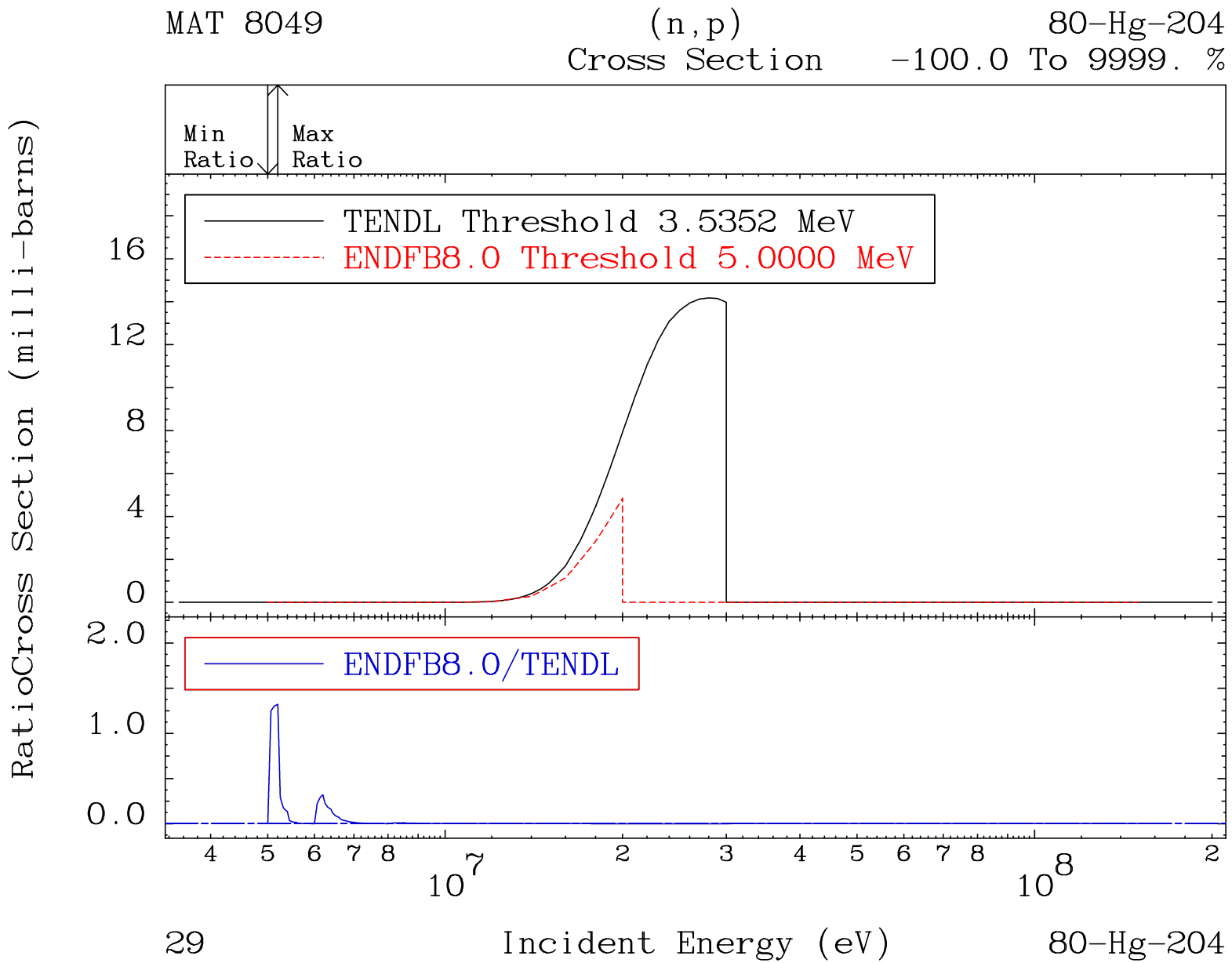

MAT 8049
MT= 66 (n,n') Level
80-Hg-204
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.2470 MeV
ENDFB8.0 Threshold 2.7402 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
24
Incident Energy (eV)
80-Hg-204

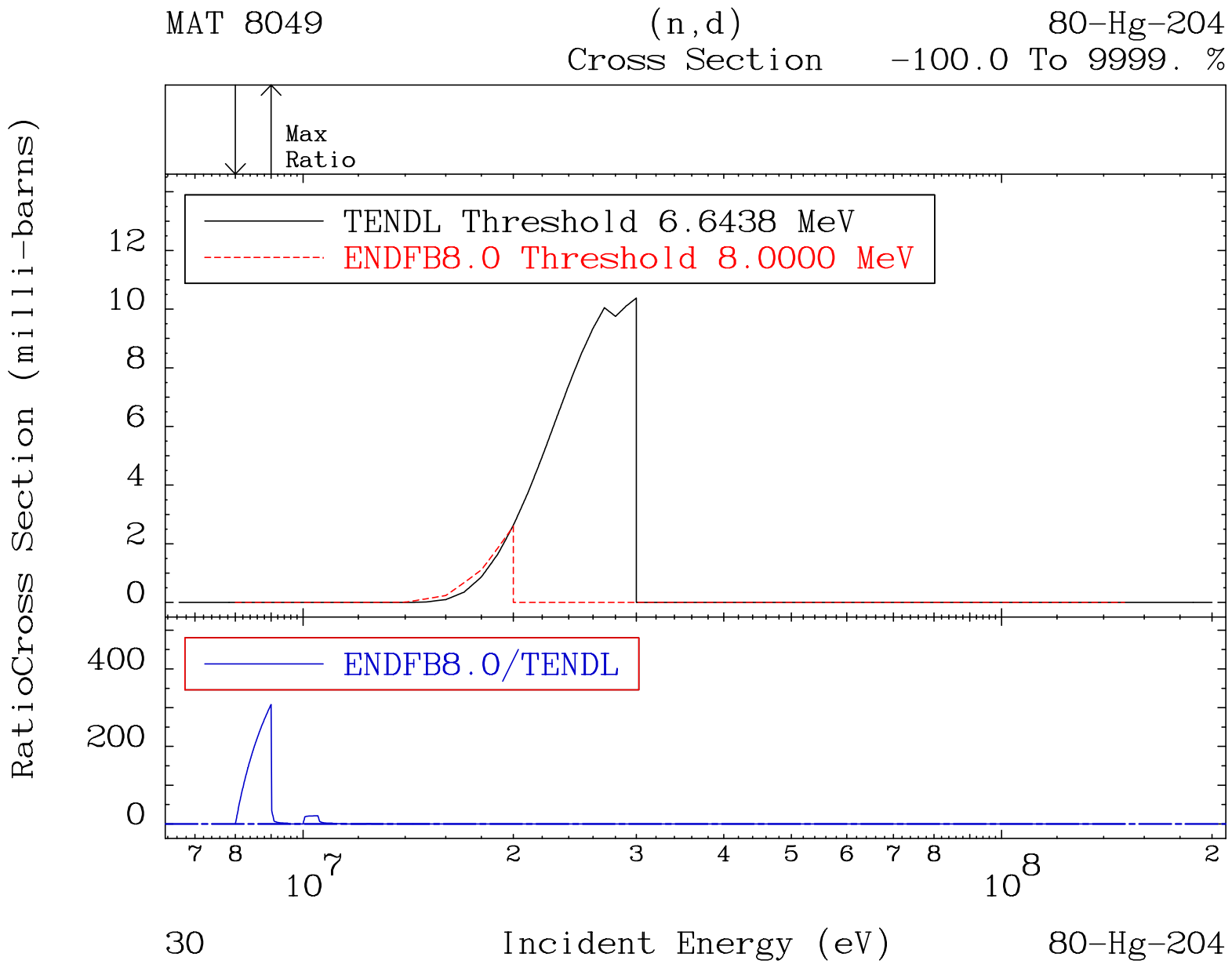

MAT 8049
MT= 67 (n,n') Level
80-Hg-204
Cross Section -100.0 To 16.69 %
Max
Ratio
TENDL Threshold 2.2742 MeV
ENDFB8.0 Threshold 2.7740 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
80-Hg-204

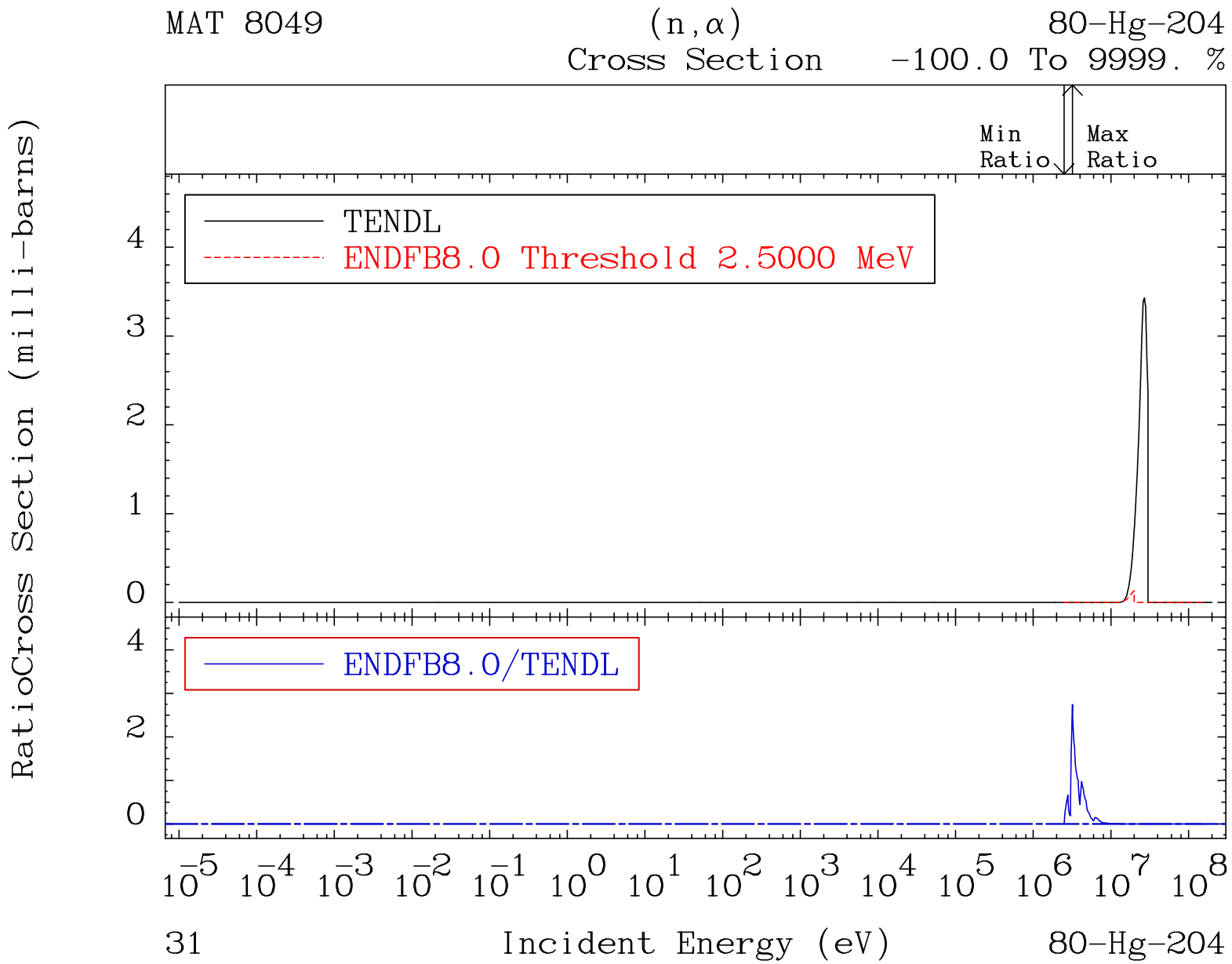

MAT 8049
MT= 68 (n,n') Level
80-Hg-204
Cross Section -100.0 To 1001. %
Min Ratio
Max Ratio
TENDL Threshold 2.2756 MeV
ENDFB8.0 Threshold 2.8267 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
12
6
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
26
Incident Energy (eV)
80-Hg-204

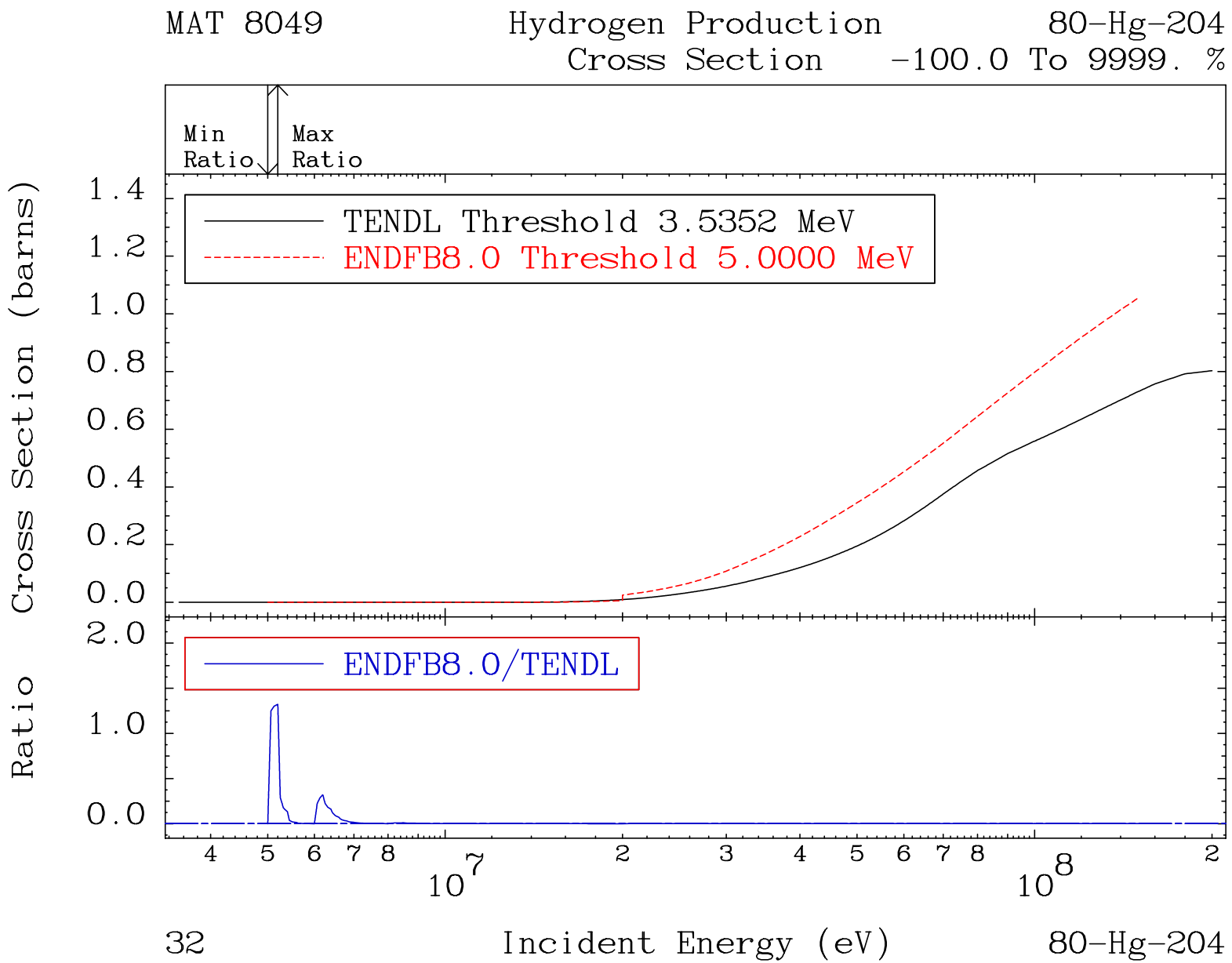

MAT 8049
(n,n') Continuum
Cross Section
80-Hg-204
-100.0 To 107.0 %
Min Ratio
Max Ratio
TENDL Threshold 2.6885 MeV
ENDFB8.0 Threshold 2.8269 MeV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
27
80-Hg-204

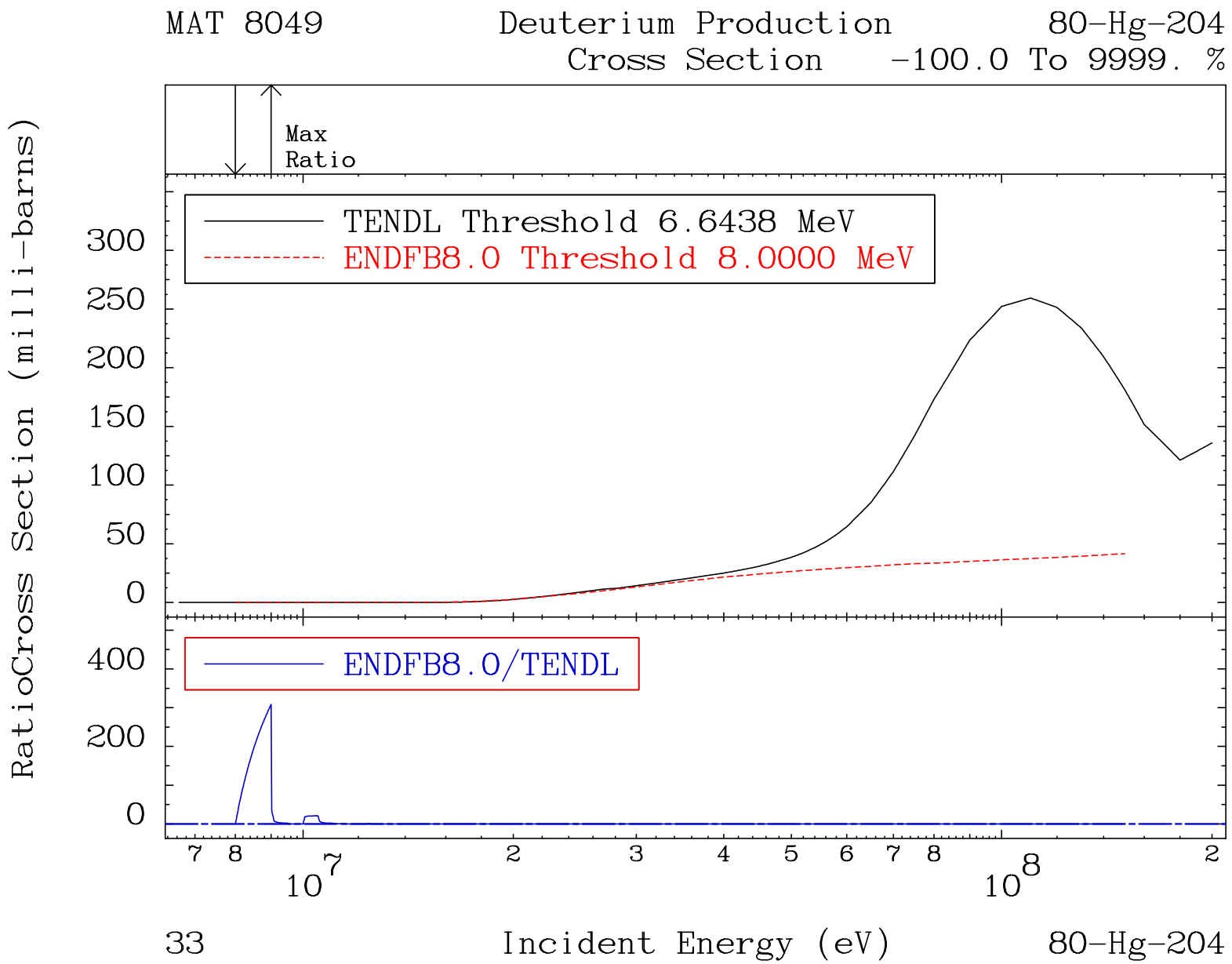

MAT 8049
(n,γ)
Cross Section
80-Hg-204
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
10^2
10^0
10^-2
10^-4
10^-6
10^-8
ENDFB8.0/TENDL
Ratio
2
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
28
Incident Energy (eV)
80-Hg-204

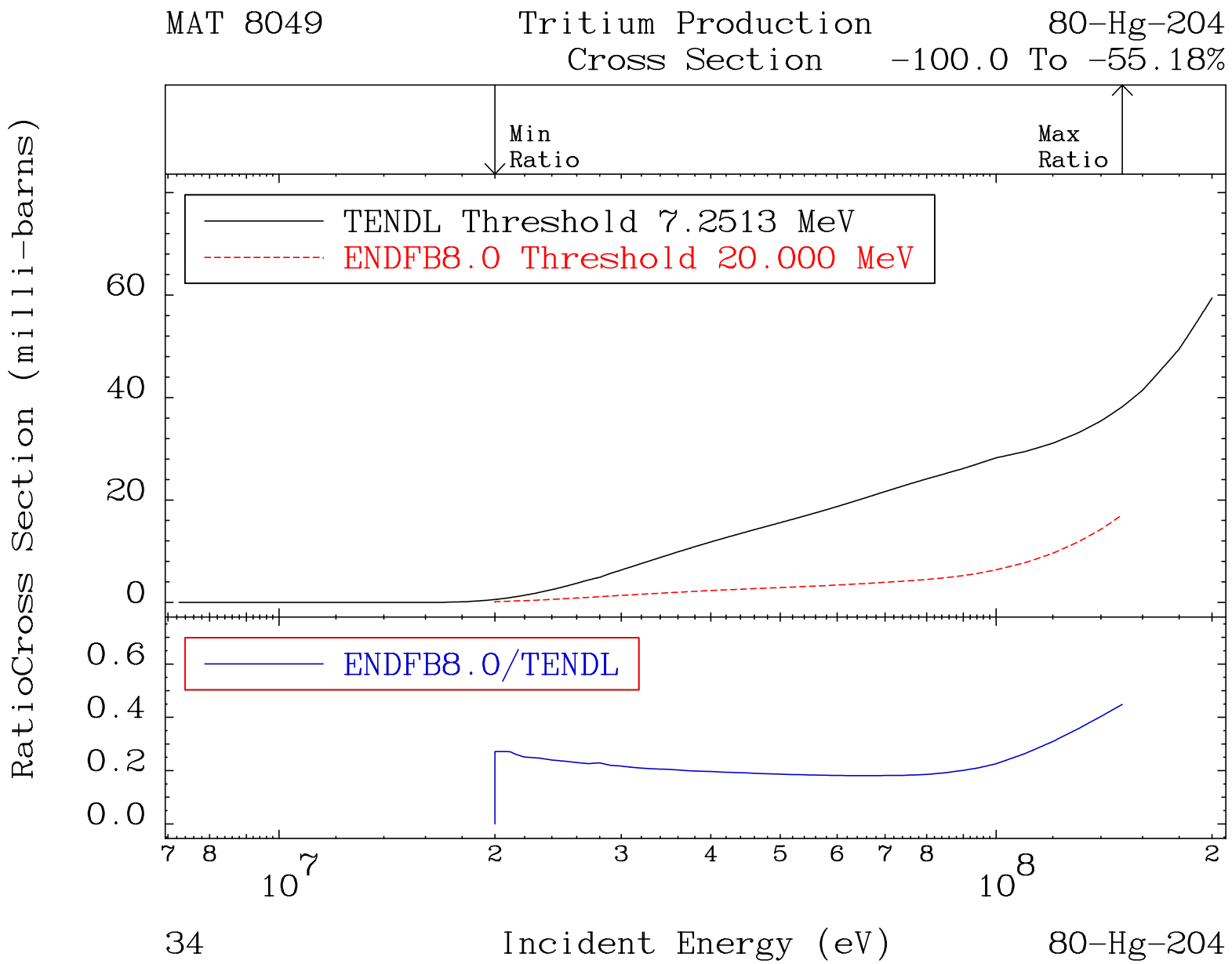

MAT 8049
(n,p)
Cross Section
80-Hg-204
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.5352 MeV
ENDFB8.0 Threshold 5.0000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
2.0
1.0
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
80-Hg-204

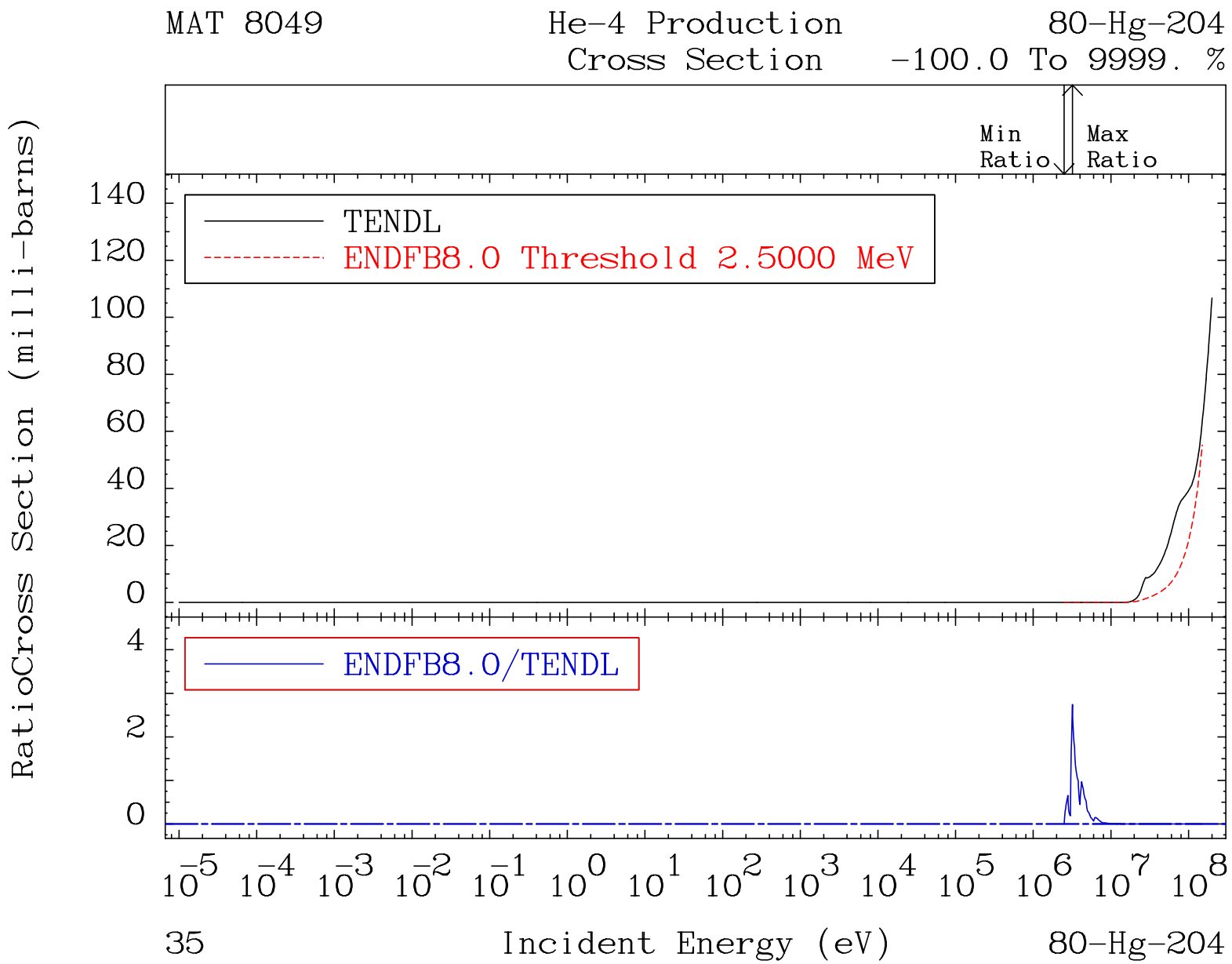

MAT 8049
(n,d)
80-Hg-204
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.6438 MeV
ENDFB8.0 Threshold 8.0000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
400
200
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
30
Incident Energy (eV)
80-Hg-204

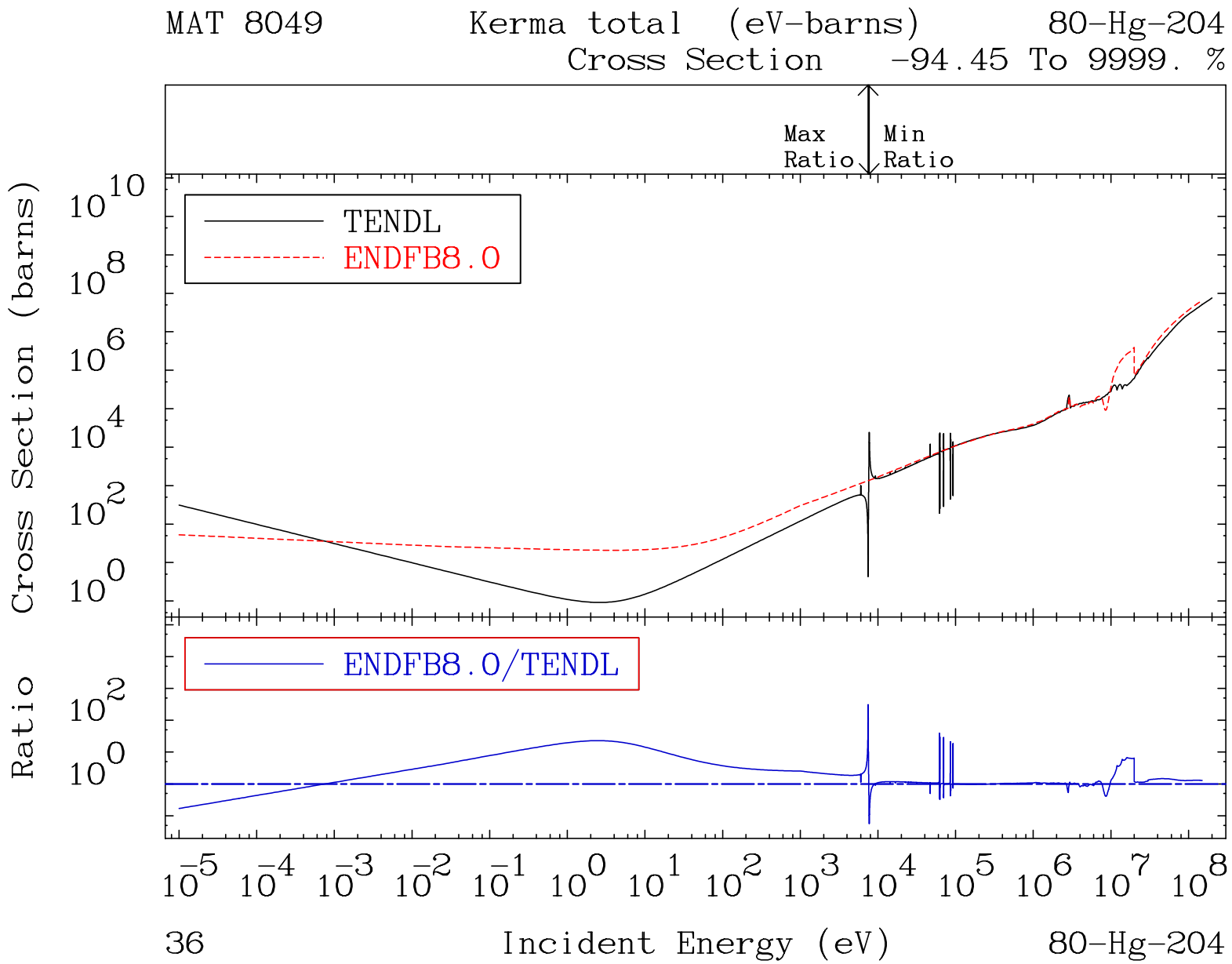

MAT 8049
(n,α)
Cross Section
80-Hg-204
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0 Threshold 2.5000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
31
80-Hg-204

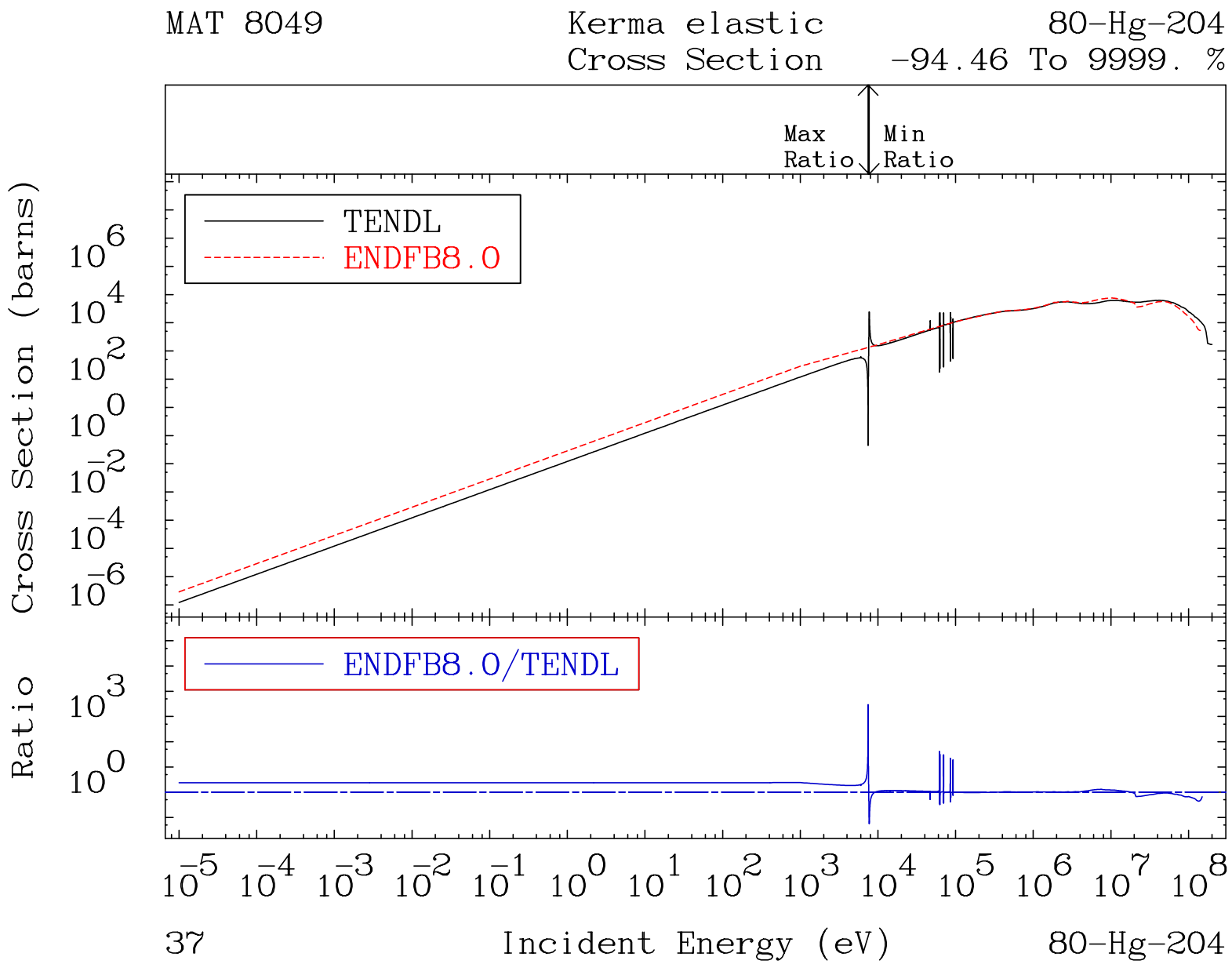

MAT 8049
Hydrogen Production
80-Hg-204
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.5352 MeV
ENDFB8.0 Threshold 5.0000 MeV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
32
80-Hg-204

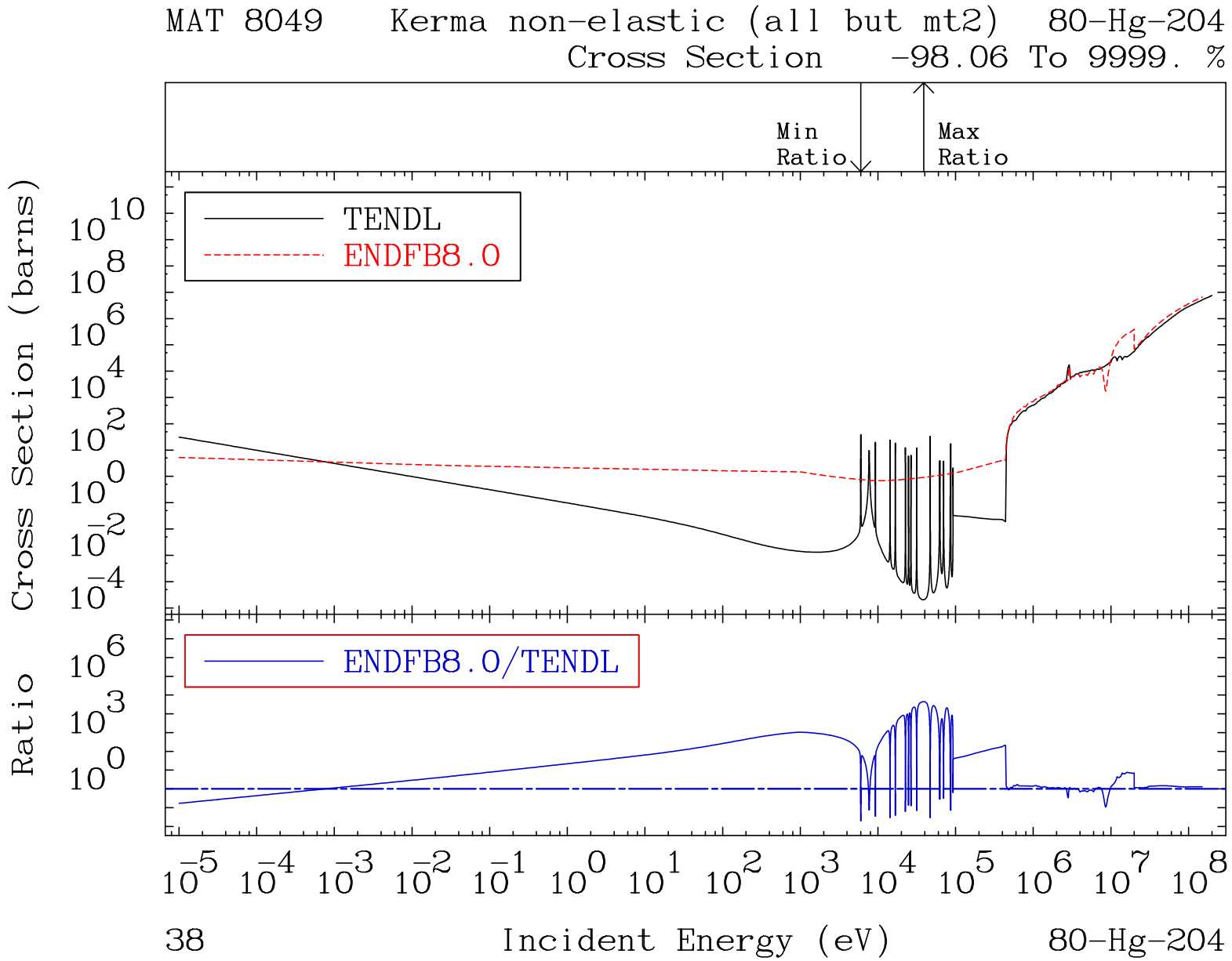

MAT 8049
Deuterium Production
80-Hg-204
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.6438 MeV
ENDFB8.0 Threshold 8.0000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
400
200
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
33
Incident Energy (eV)
80-Hg-204

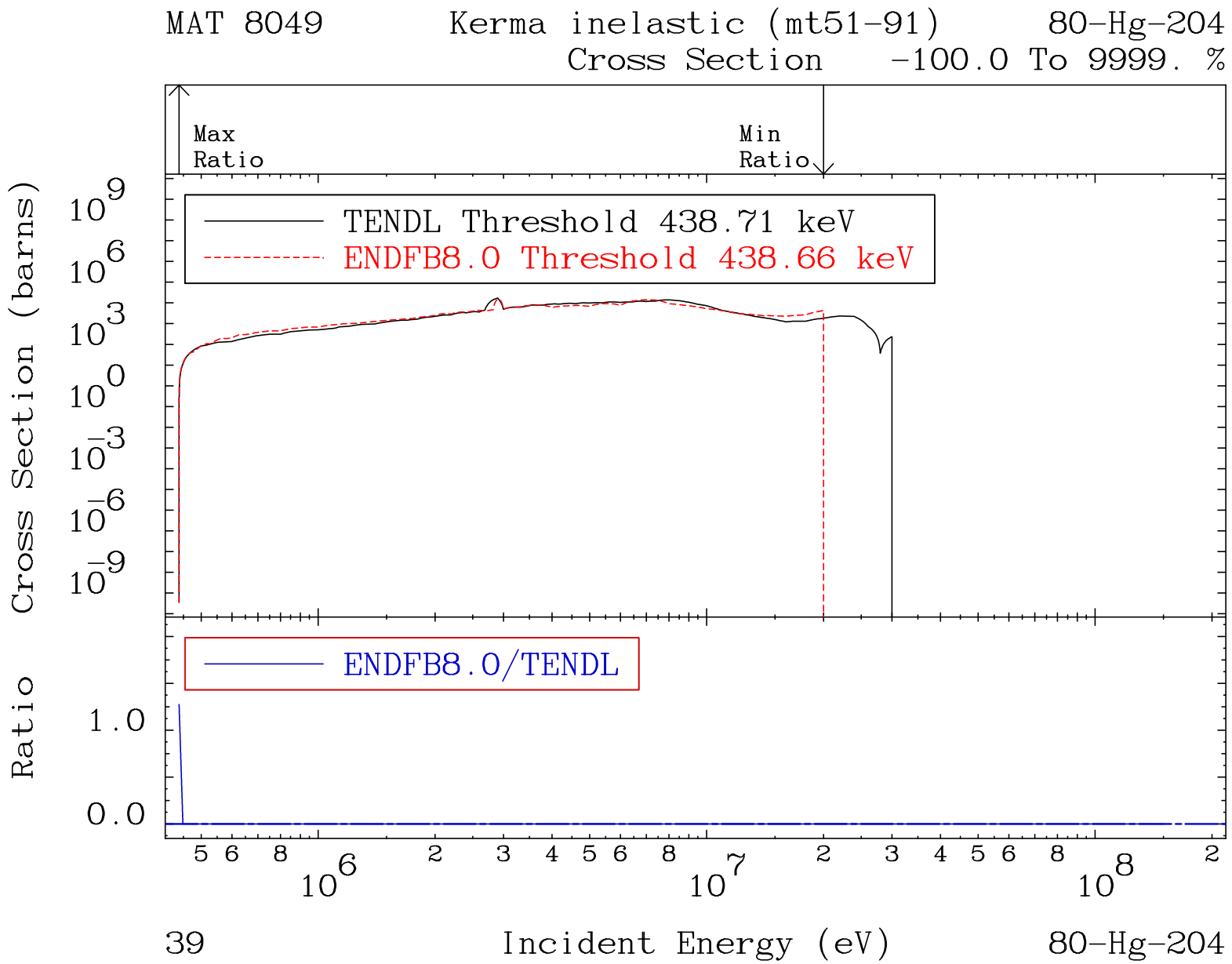

MAT 8049
Tritium Production
Cross Section
80-Hg-204
-100.0 To -55.18%
Min Ratio
Max Ratio
TENDL Threshold 7.2513 MeV
ENDFB8.0 Threshold 20.000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
0.6
0.4
0.2
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
34
Incident Energy (eV)
80-Hg-204

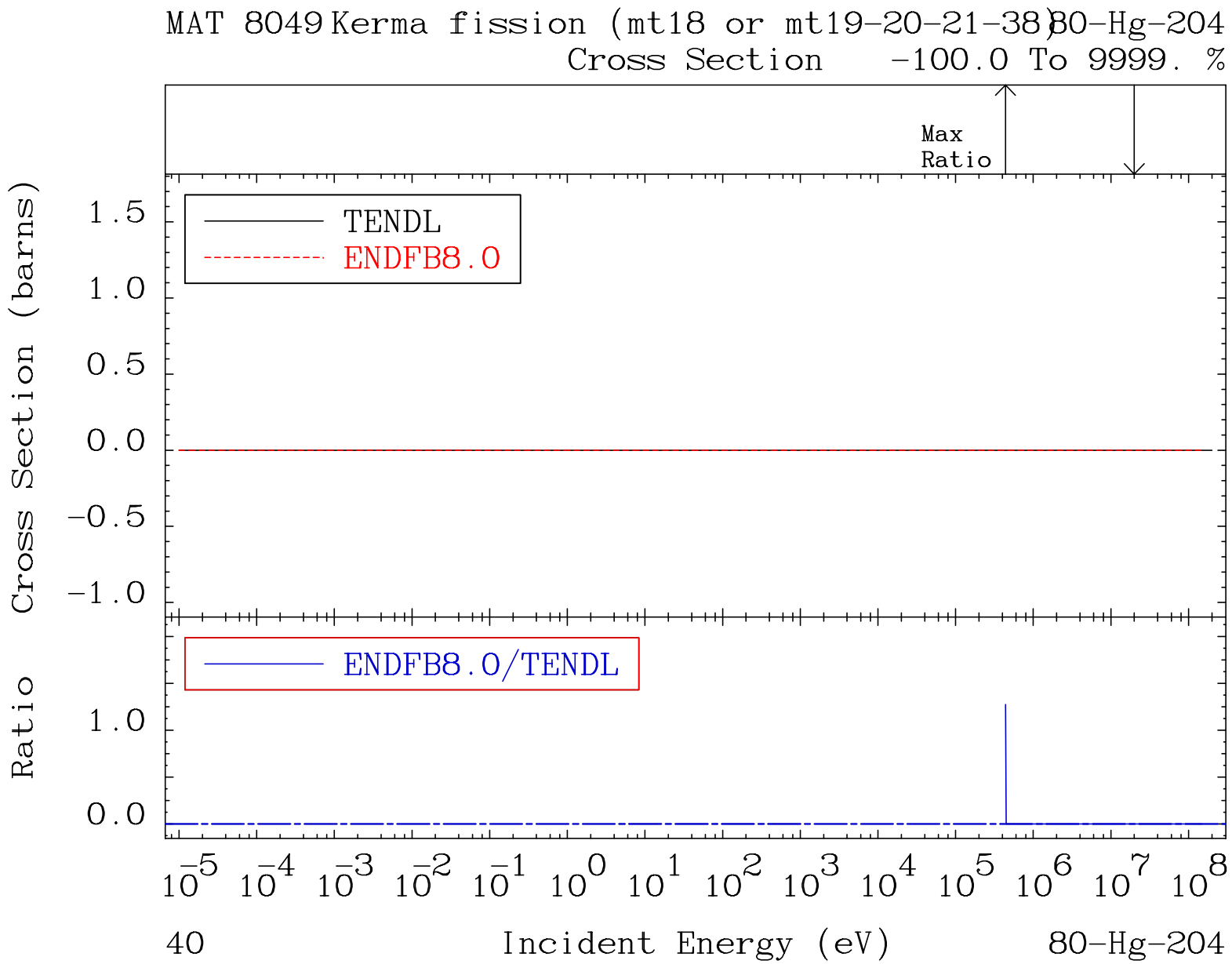

MAT 8049
He-4 Production
Cross Section
80-Hg-204
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0 Threshold 2.5000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
4
2
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
35
Incident Energy (eV)
80-Hg-204

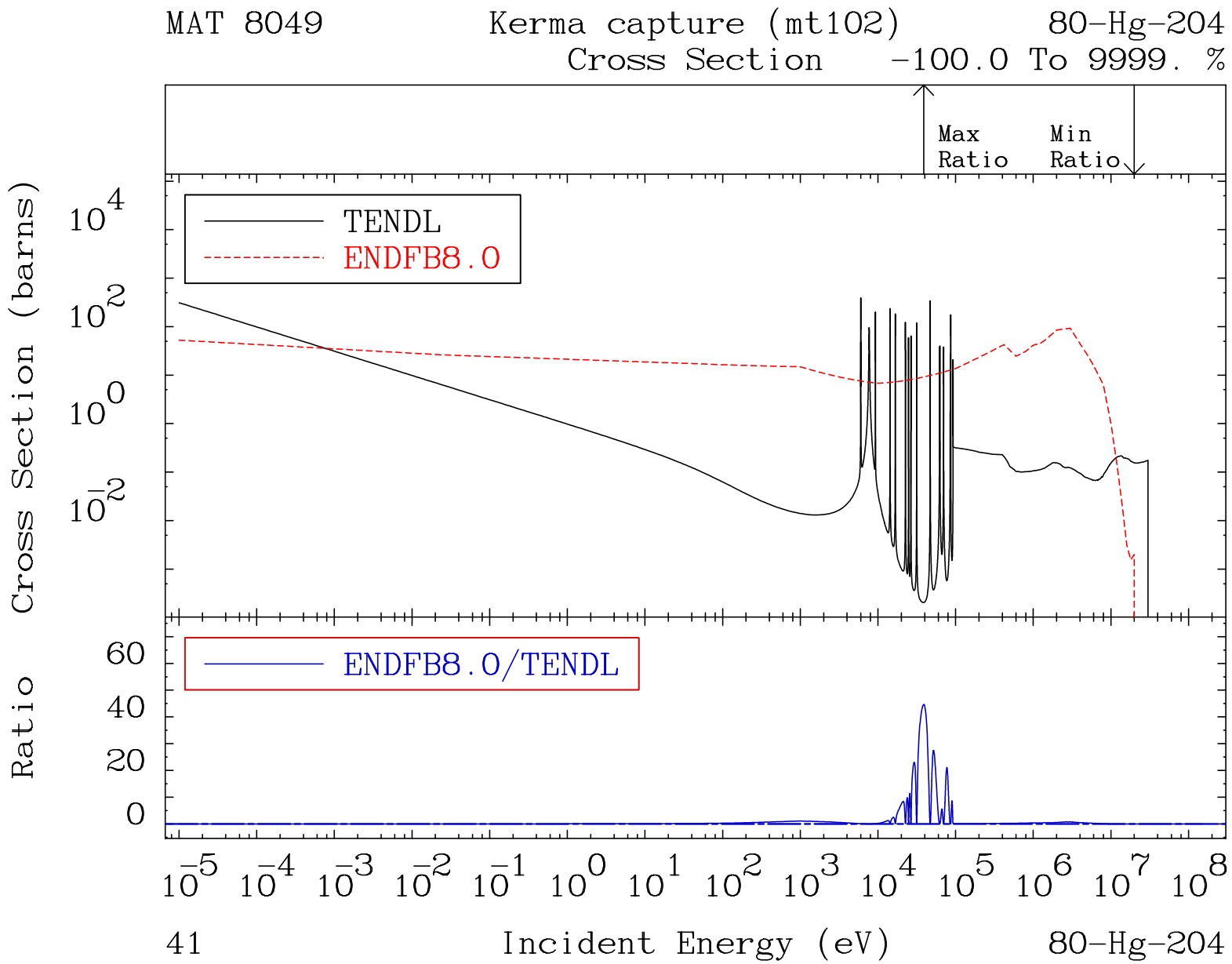

MAT 8049
Kerma total (eV-barns)
80-Hg-204
Cross Section -94.45 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
36
80-Hg-204

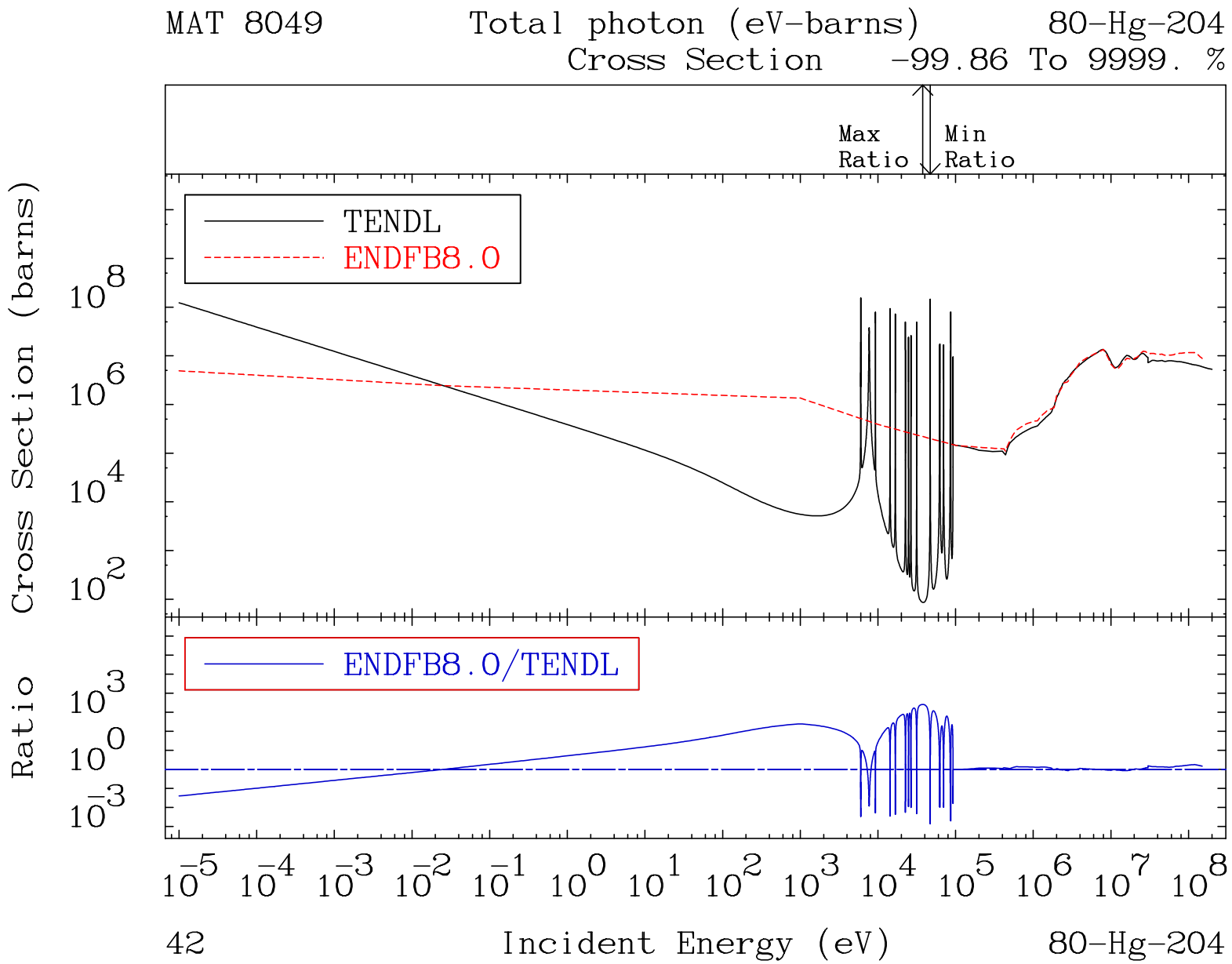

MAT 8049
Kerma elastic
Cross Section
80-Hg-204
-94.46 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
37
80-Hg-204

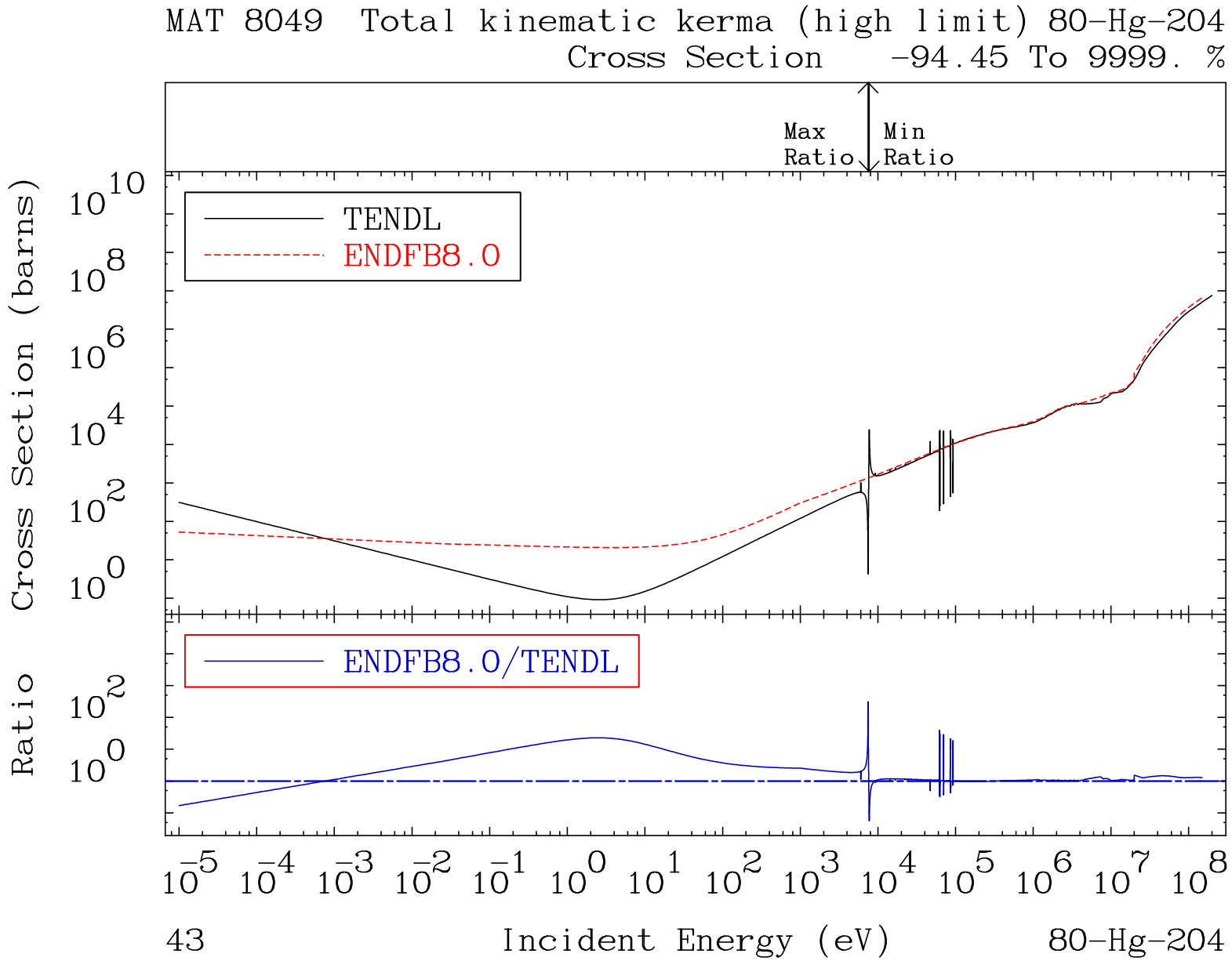

MAT 8049 Kerma non-elastic (all but mt2) 80-Hg-204
Cross Section -98.06 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
38
80-Hg-204

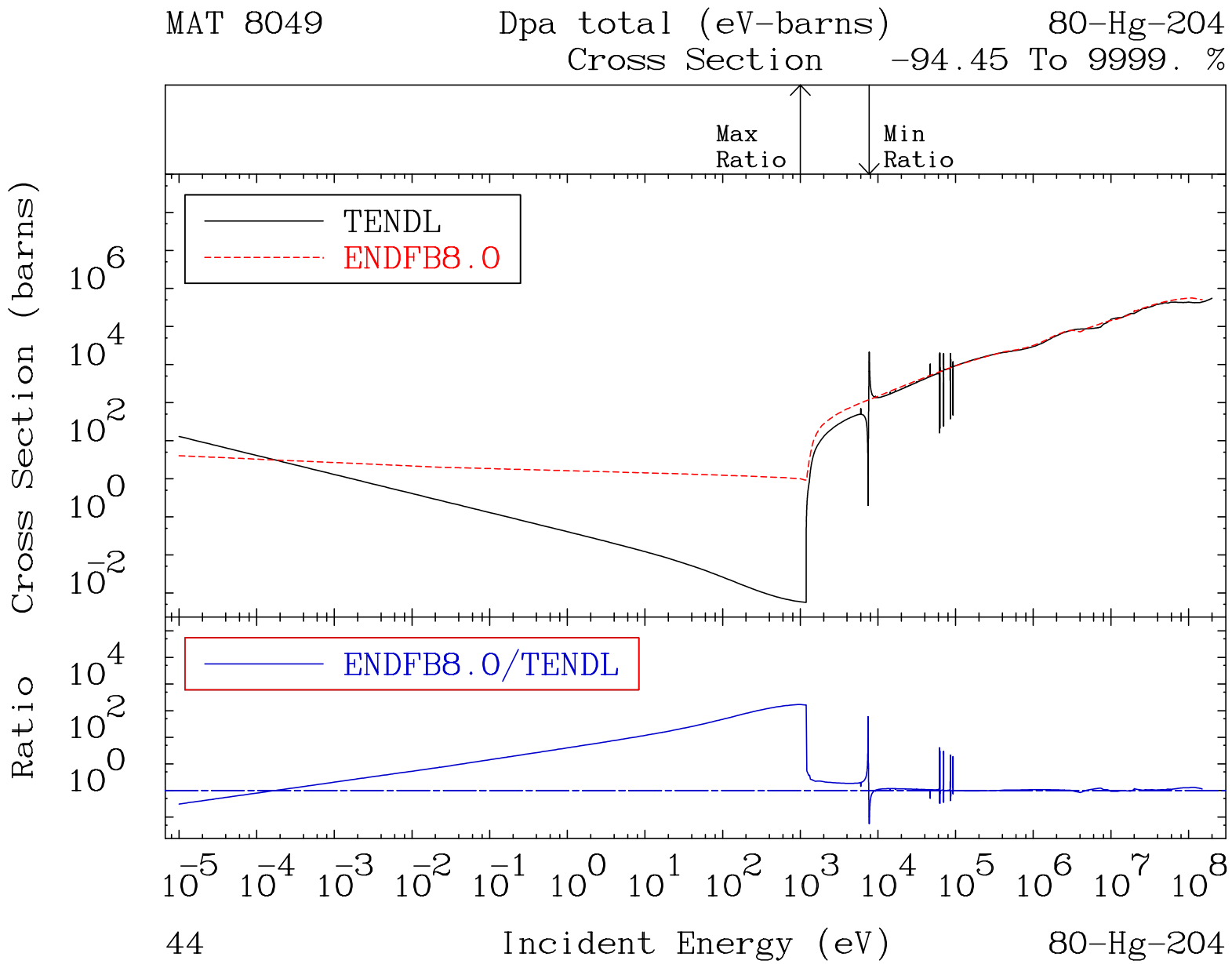

MAT 8049
Kerma inelastic (mt51-91)
80-Hg-204
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 438.71 keV
ENDFB8.0 Threshold 438.66 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
39
80-Hg-204

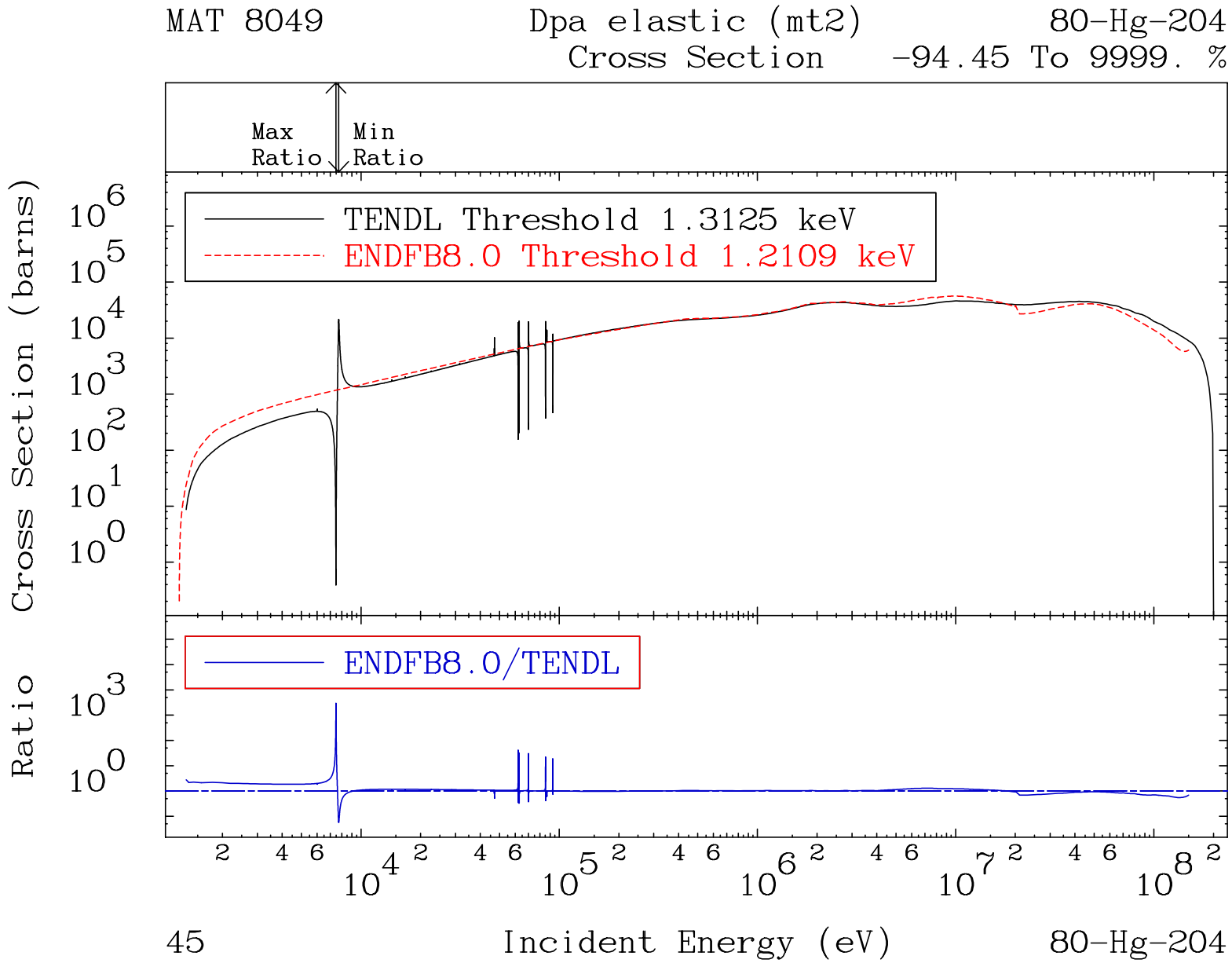

MAT 8049 Kerma fission (mt18 or mt19-20-21-38) 80-Hg-204
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
1.0
0.0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
40
Incident Energy (eV)
80-Hg-204

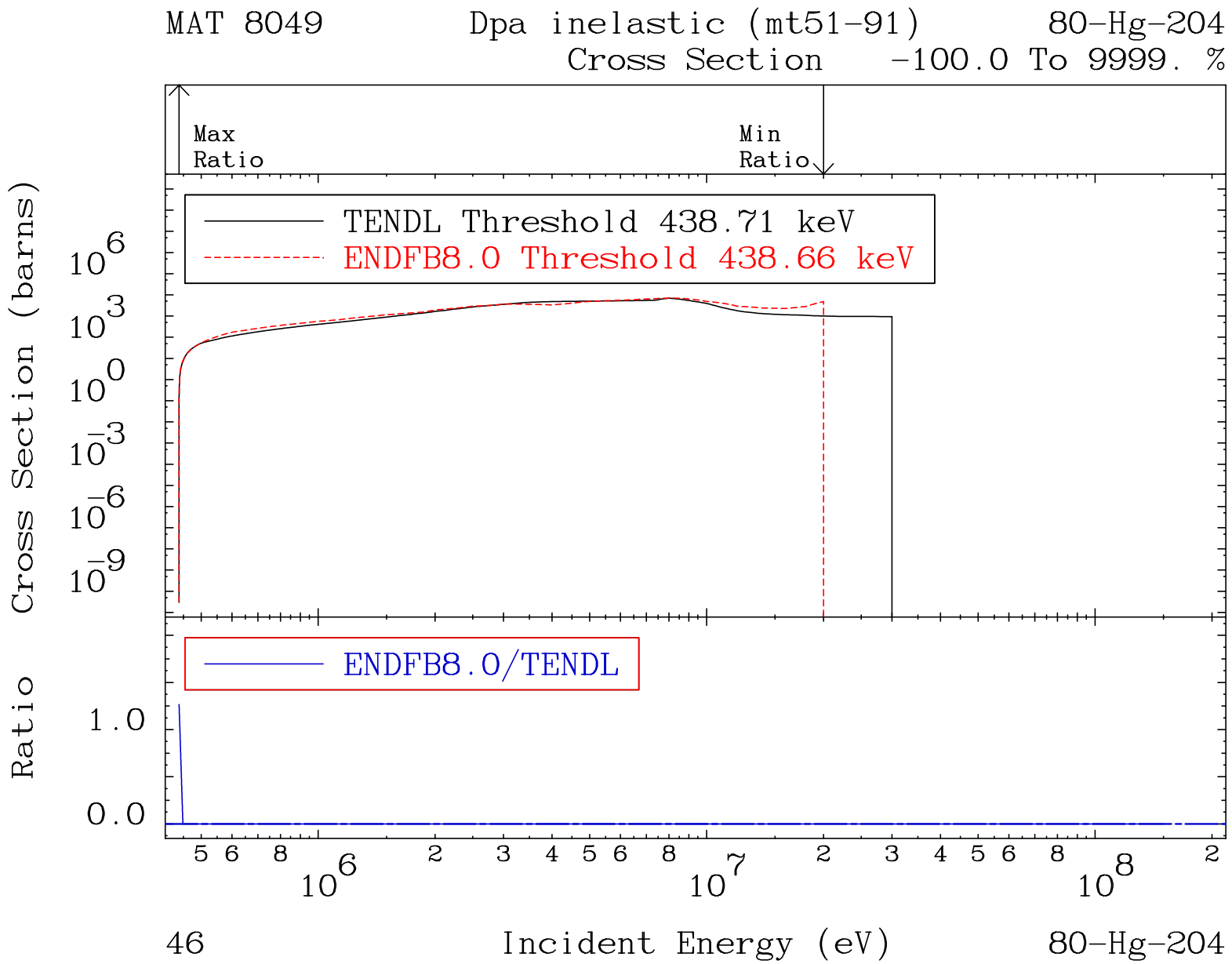

MAT 8049
Kerma capture (mt102)
80-Hg-204
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
41
80-Hg-204

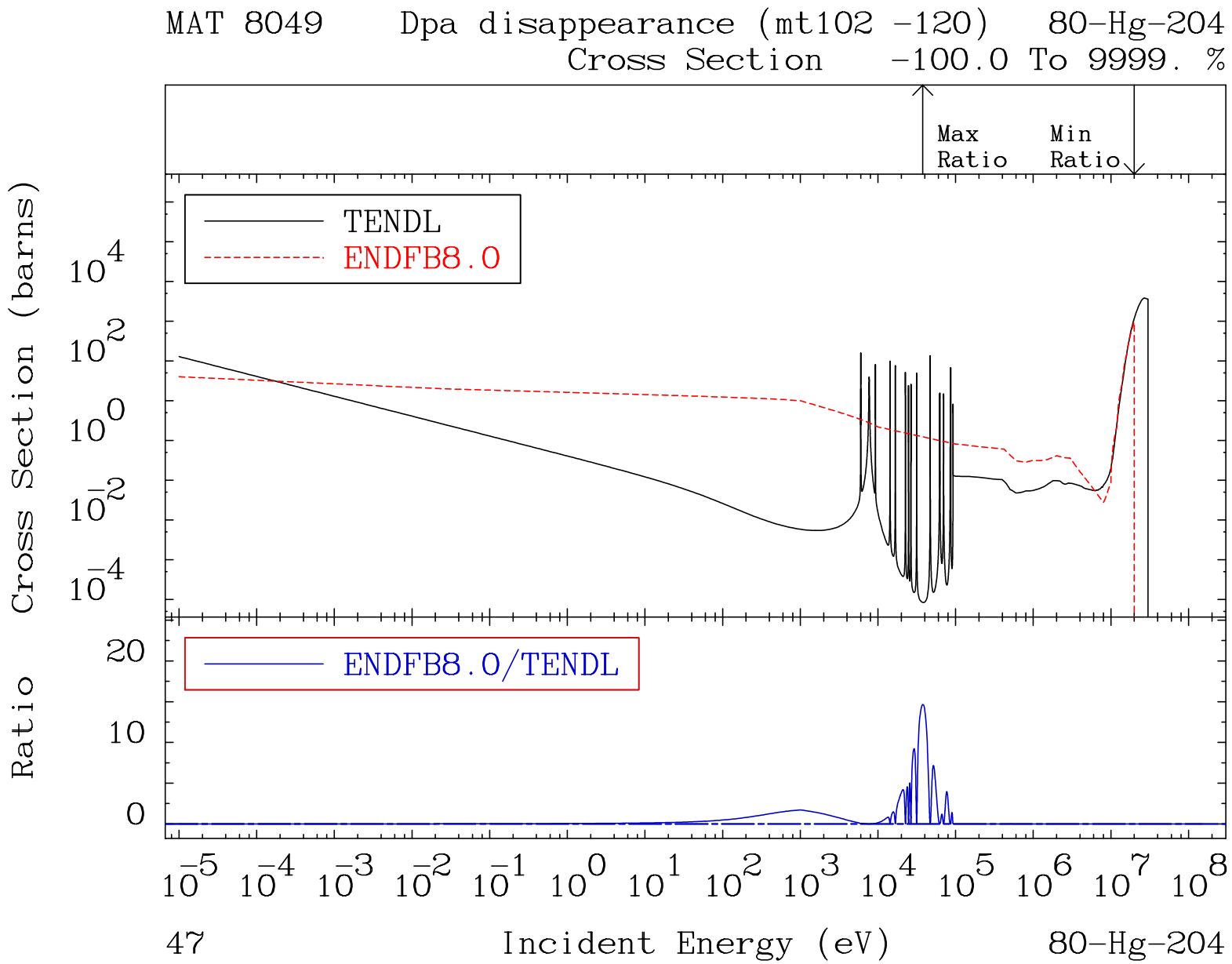

MAT 8049
Total photon (eV-barns)
80-Hg-204
Cross Section -99.86 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
42
80-Hg-204


MAT 8049 Total kinematic kerma (high limit) 80-Hg-204
Cross Section -94.45 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
43
80-Hg-204


MAT 8049
Dpa total (eV-barns)
80-Hg-204
Cross Section -94.45 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
44
80-Hg-204


MAT 8049
Dpa elastic (mt2)
Cross Section
80-Hg-204
-94.45 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.3125 keV
ENDFB8.0 Threshold 1.2109 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
45
Incident Energy (eV)
80-Hg-204


MAT 8049
Dpa inelastic (mt51-91)
80-Hg-204
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 438.71 keV
ENDFB8.0 Threshold 438.66 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
46
80-Hg-204


MAT 8049 Dpa disappearance (mt102 -120) 80-Hg-204
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
47
80-Hg-204