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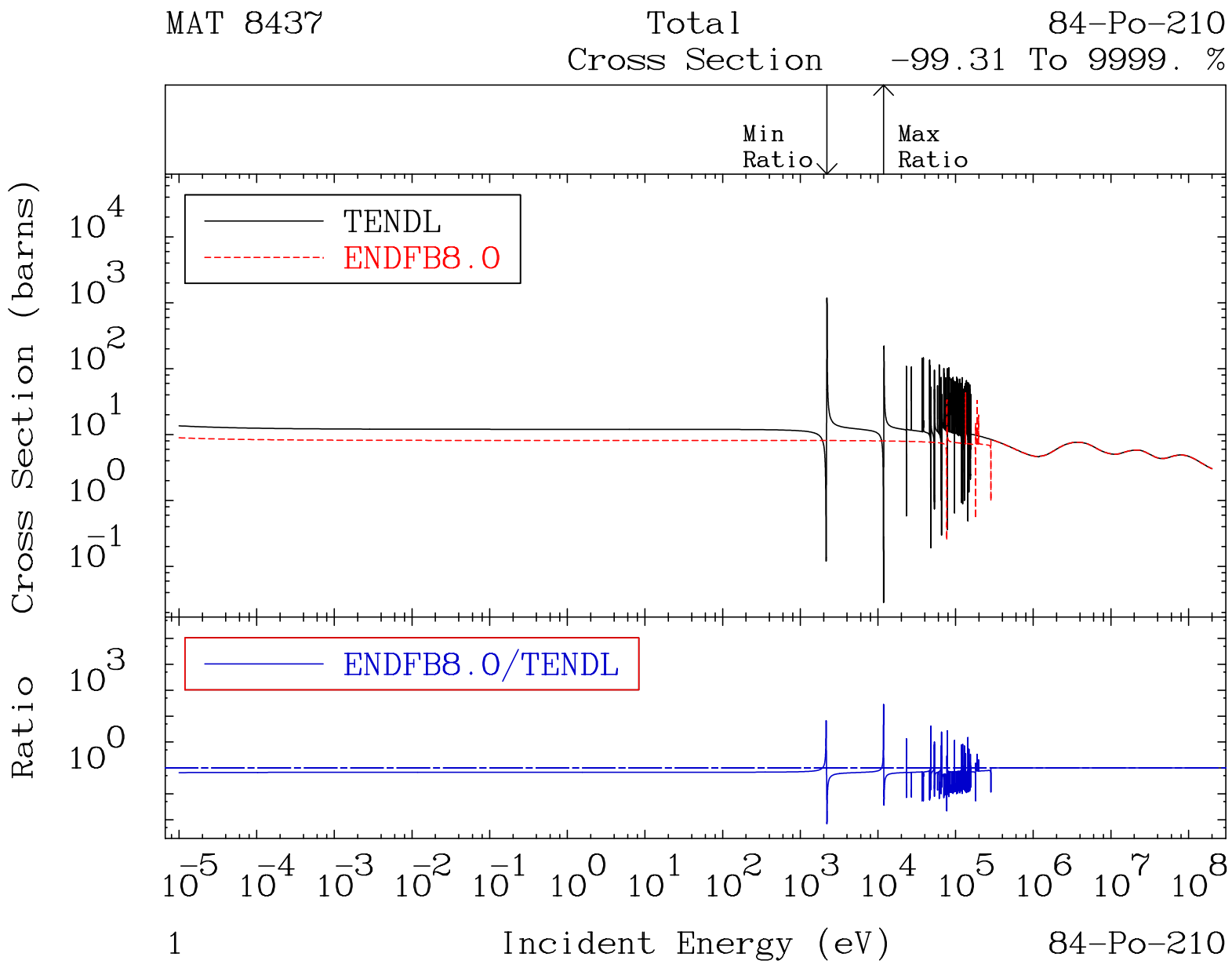
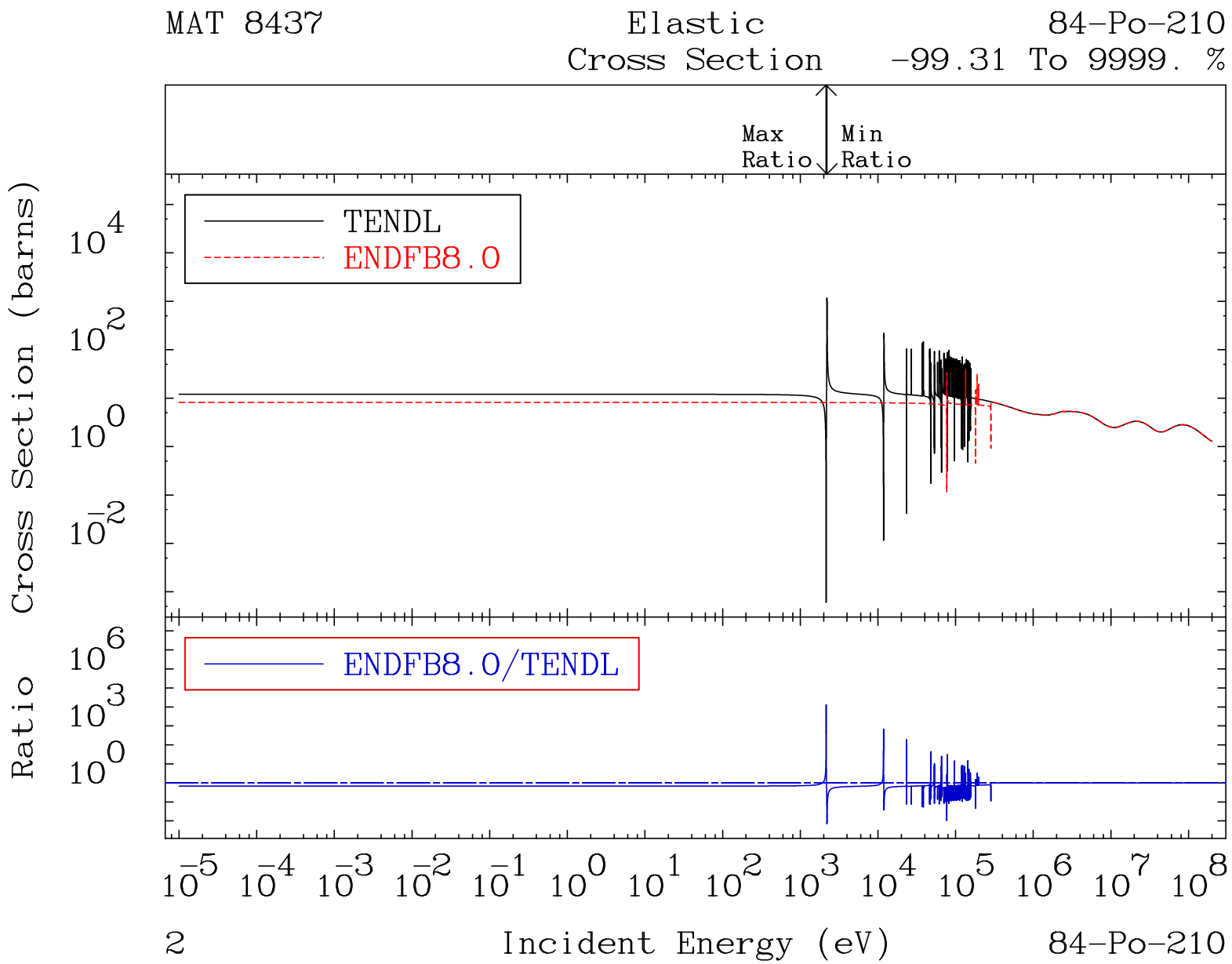
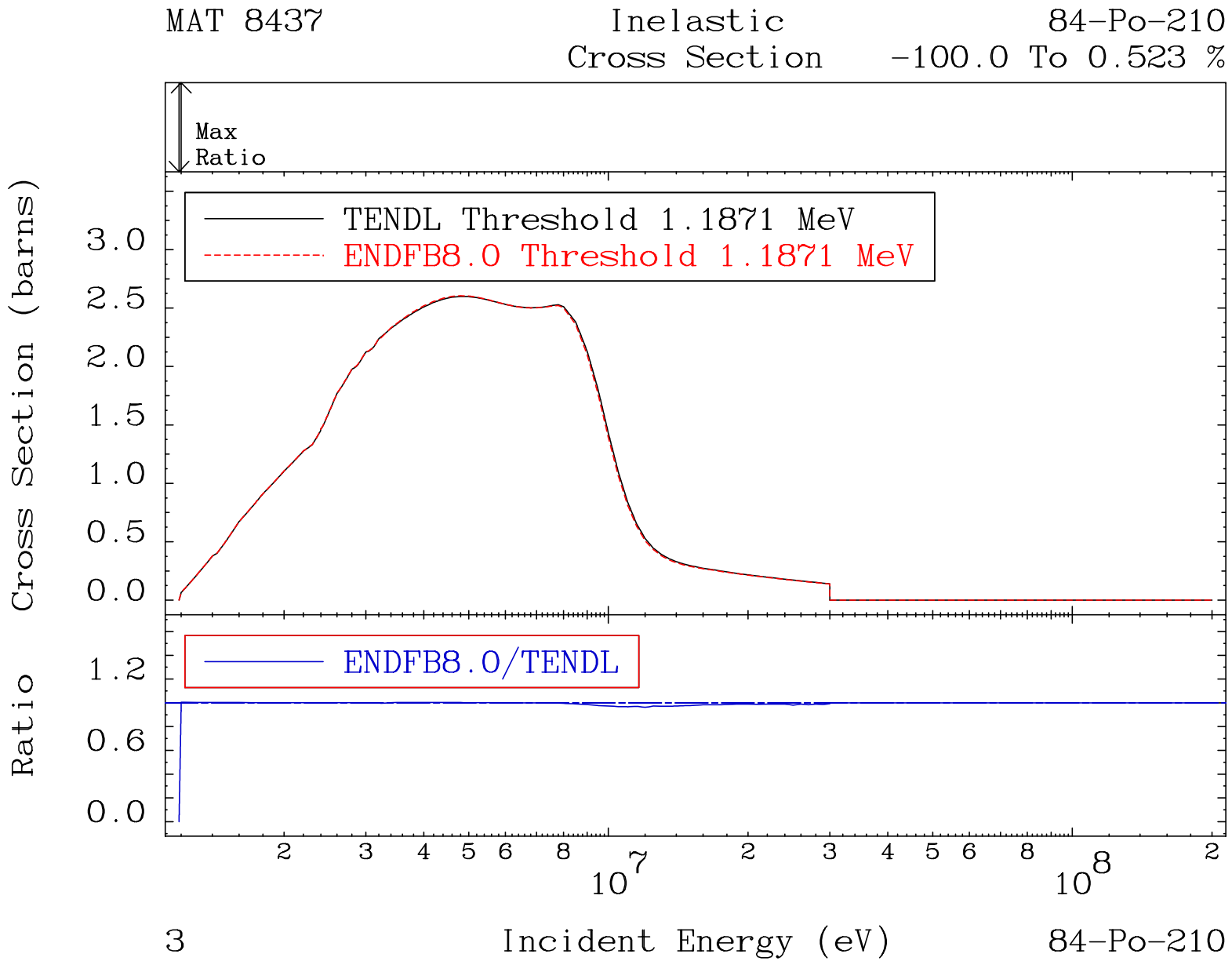
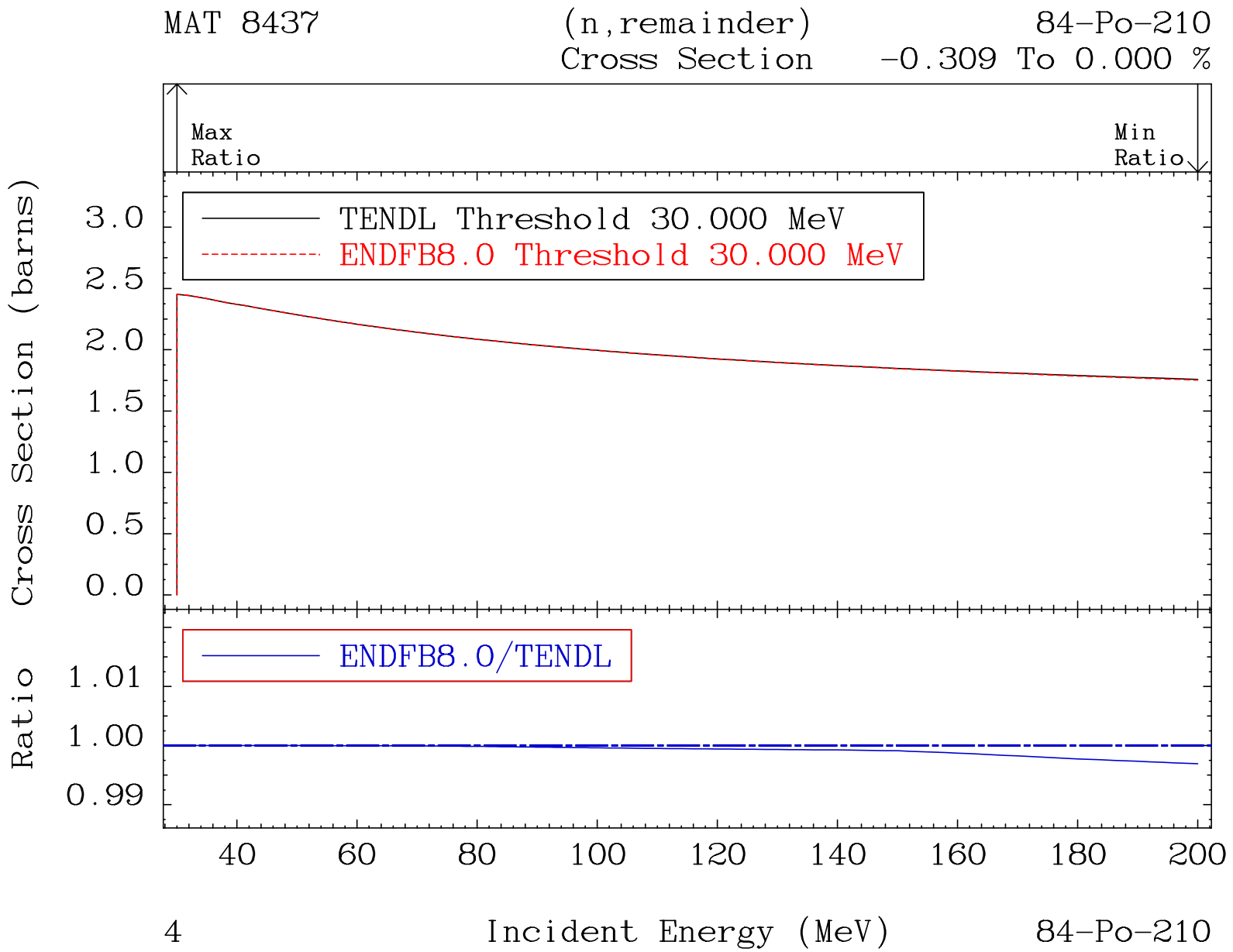
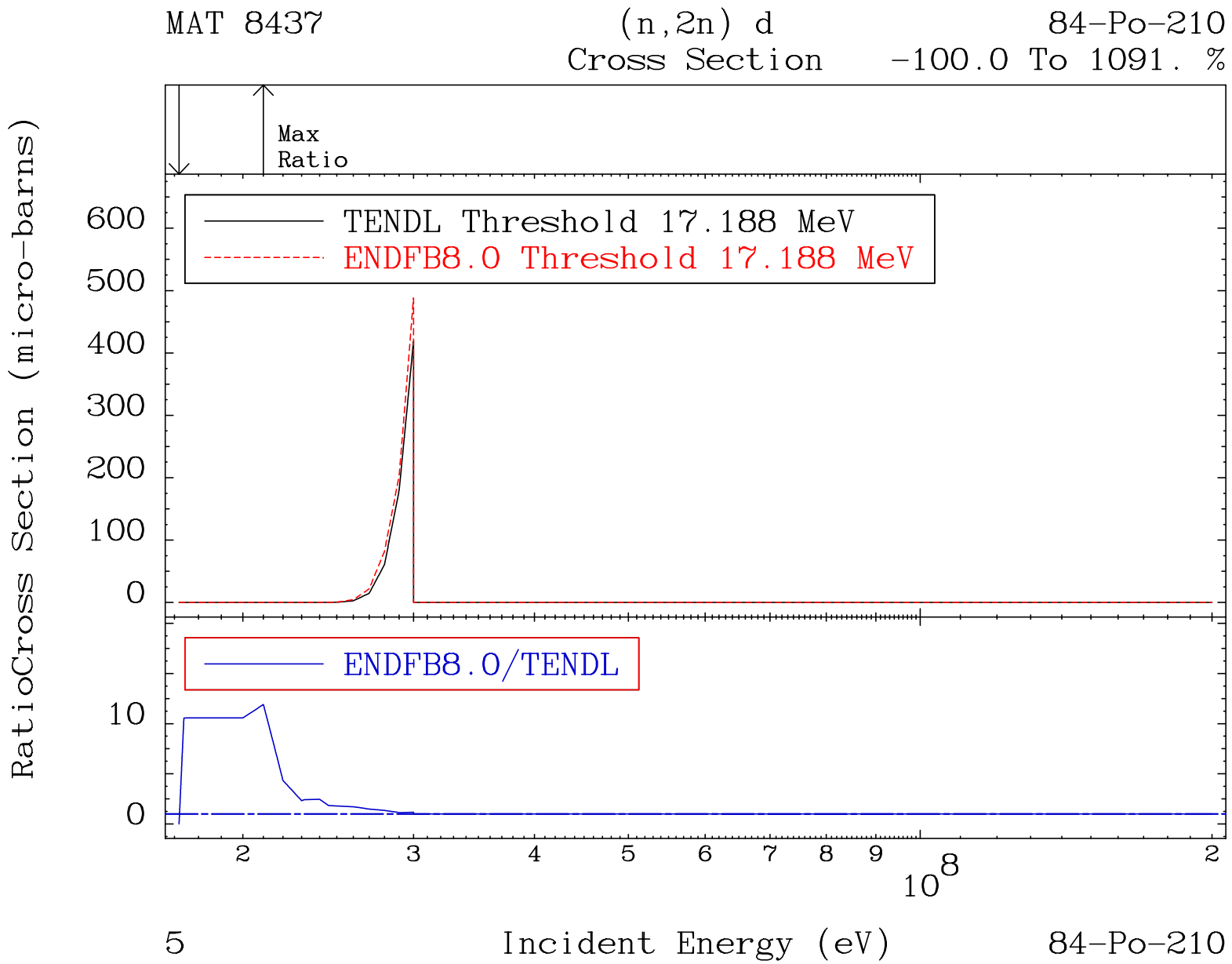
Press Mouse Button to Start

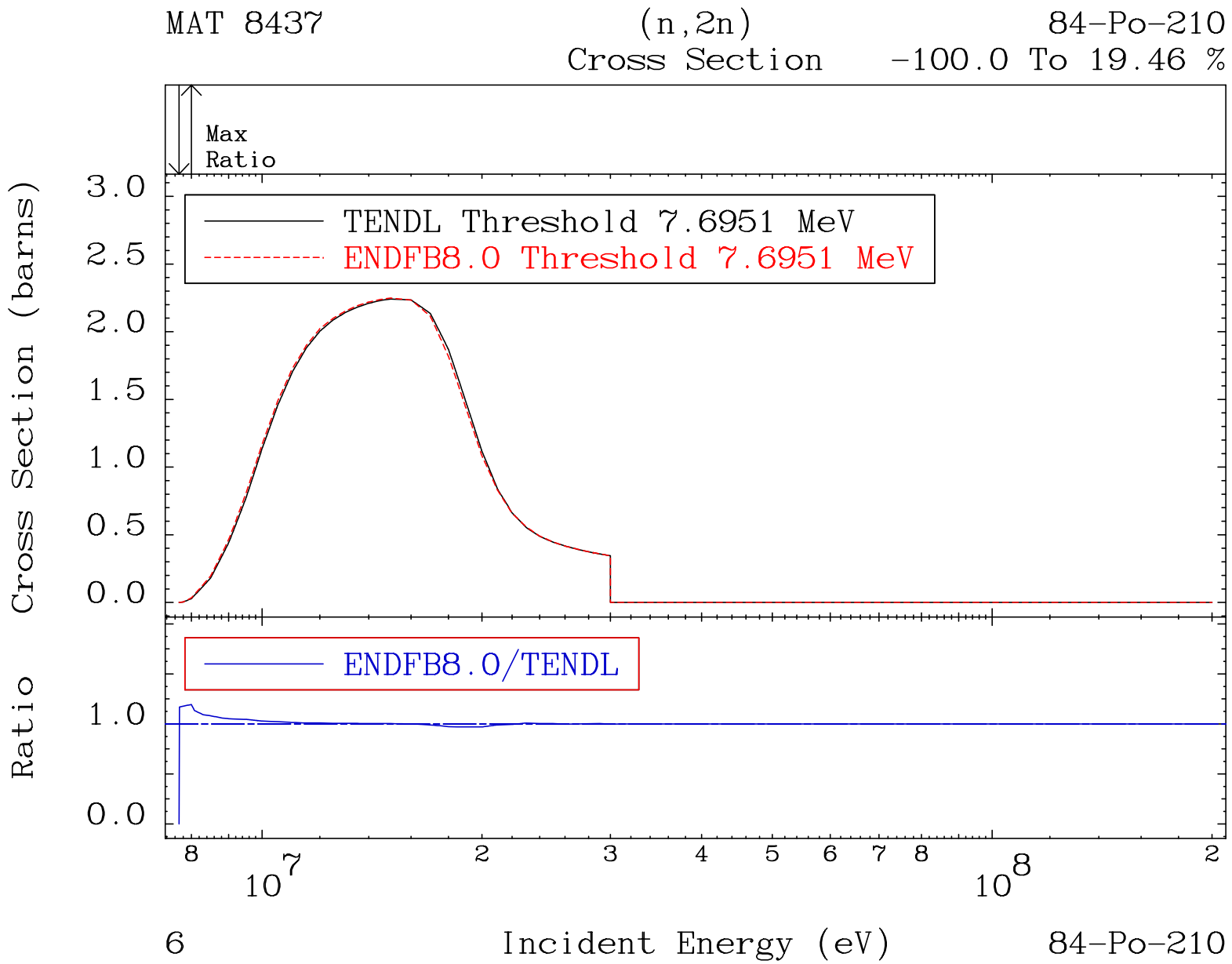

MAT 8437
Total
Cross Section
84-Po-210
-99.31 To 9999. %
Min
Ratio
Max
Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
84-Po-210

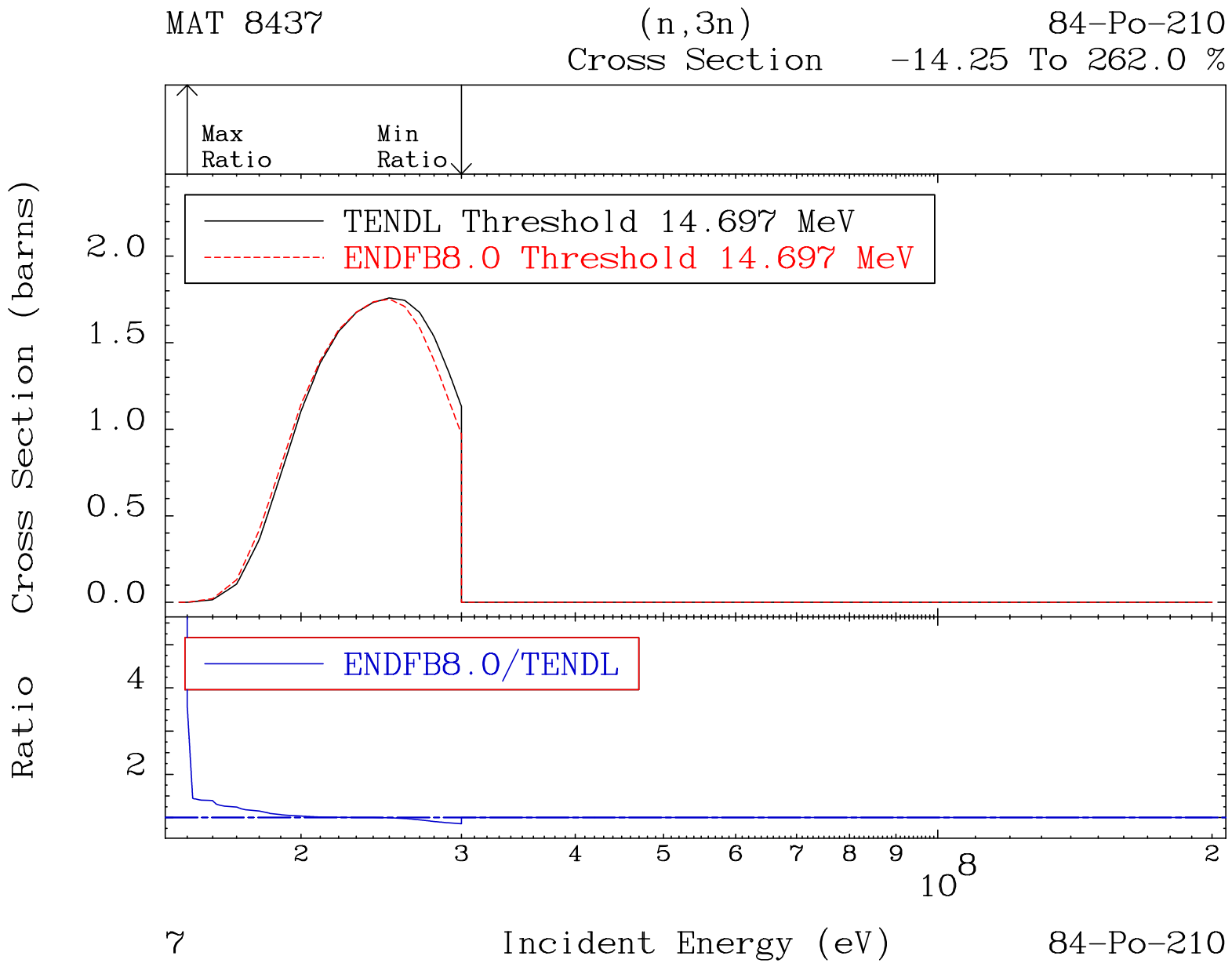

MAT 8437
Elastic
Cross Section
84-Po-210
-99.31 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
84-Po-210

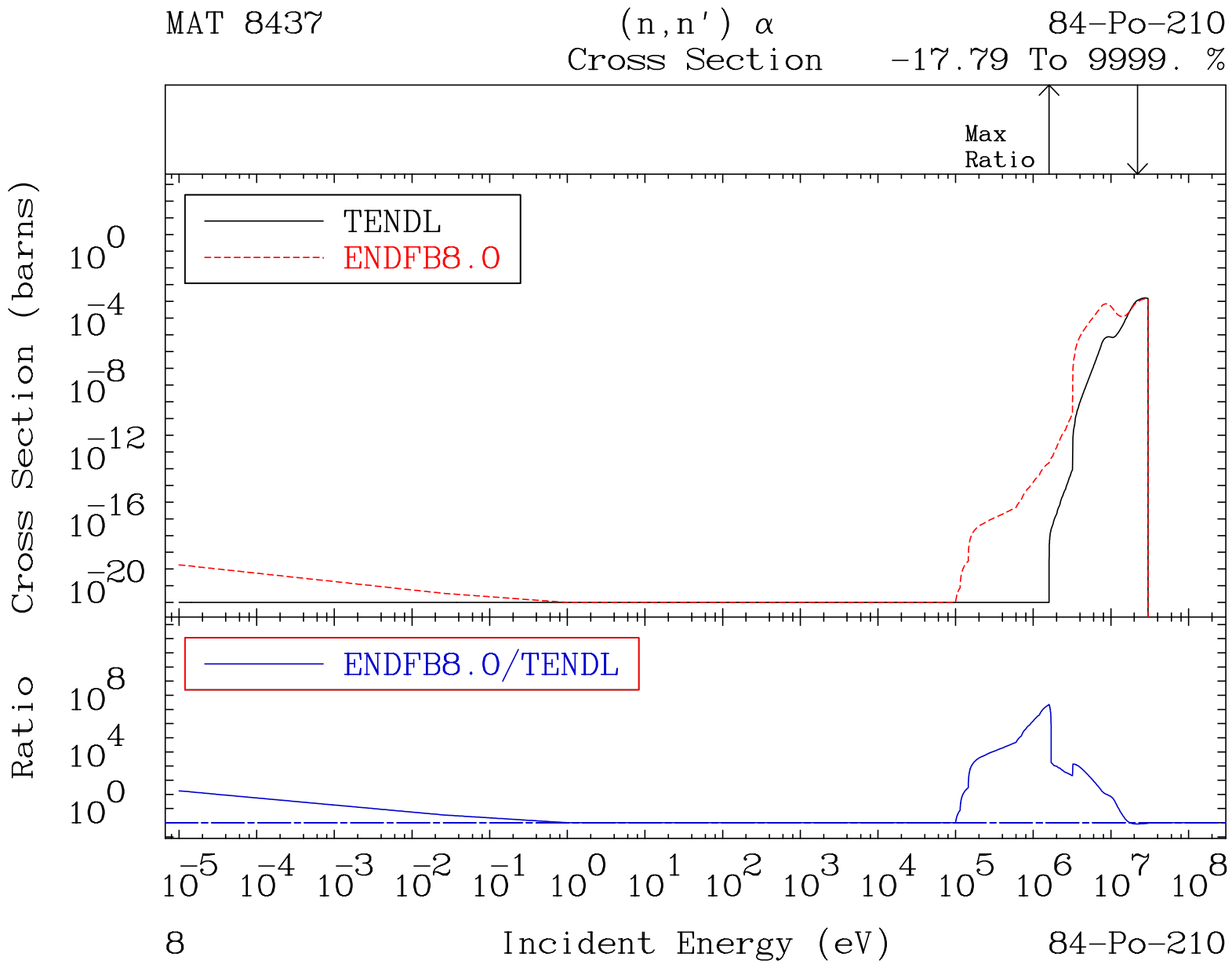

MAT 8437
Inelastic
Cross Section
84-Po-210
-100.0 To 0.523 %
Max
Ratio
TENDL Threshold 1.1871 MeV
ENDFB8.0 Threshold 1.1871 MeV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
1.2
0.6
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
3
Incident Energy (eV)
84-Po-210

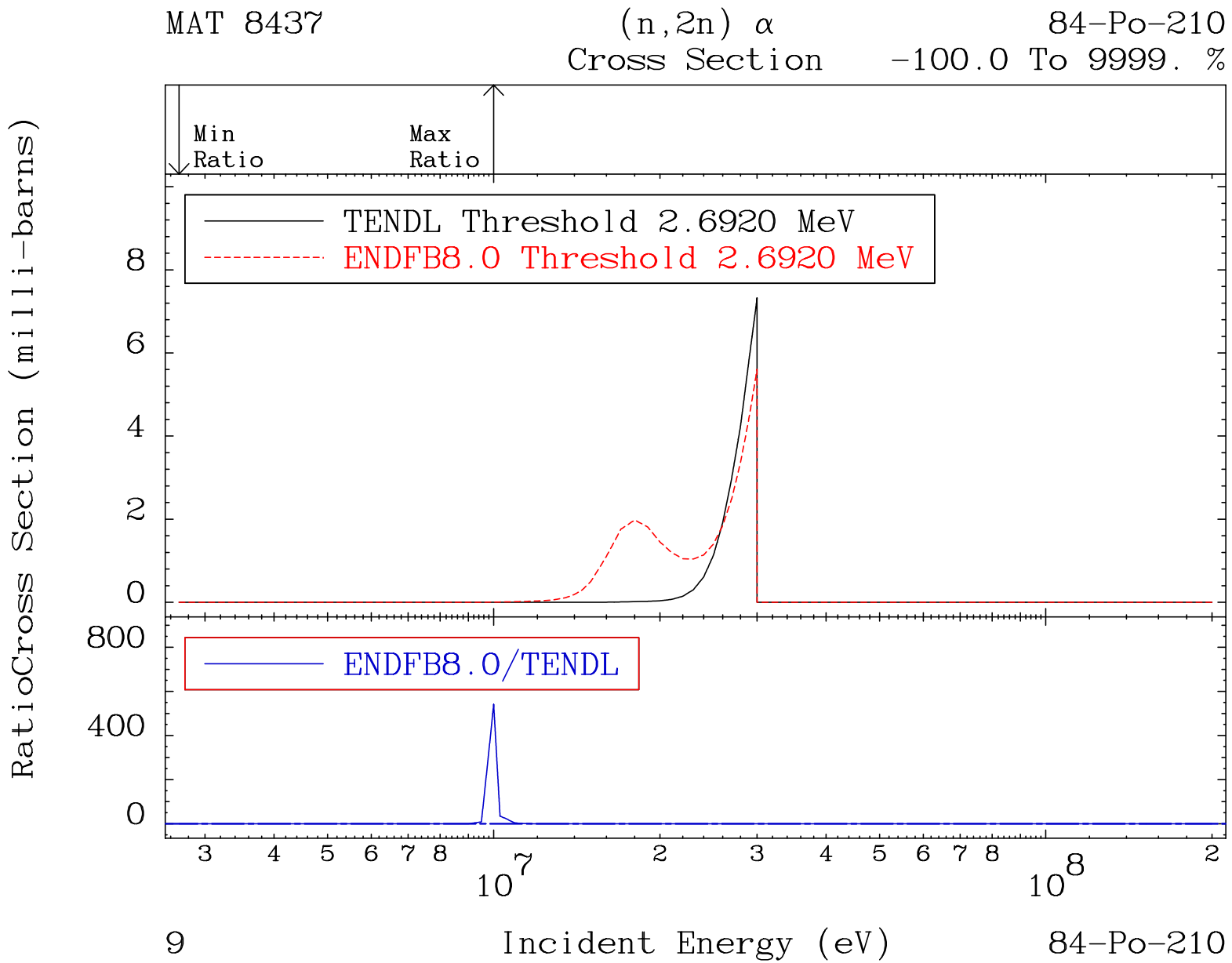

MAT 8437
(n,remainder)
Cross Section
84-Po-210
-0.309 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 30.000 MeV
ENDFB8.0 Threshold 30.000 MeV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.01
1.00
0.99
40
60
80
100
120
140
160
180
200
4
Incident Energy (MeV)
84-Po-210

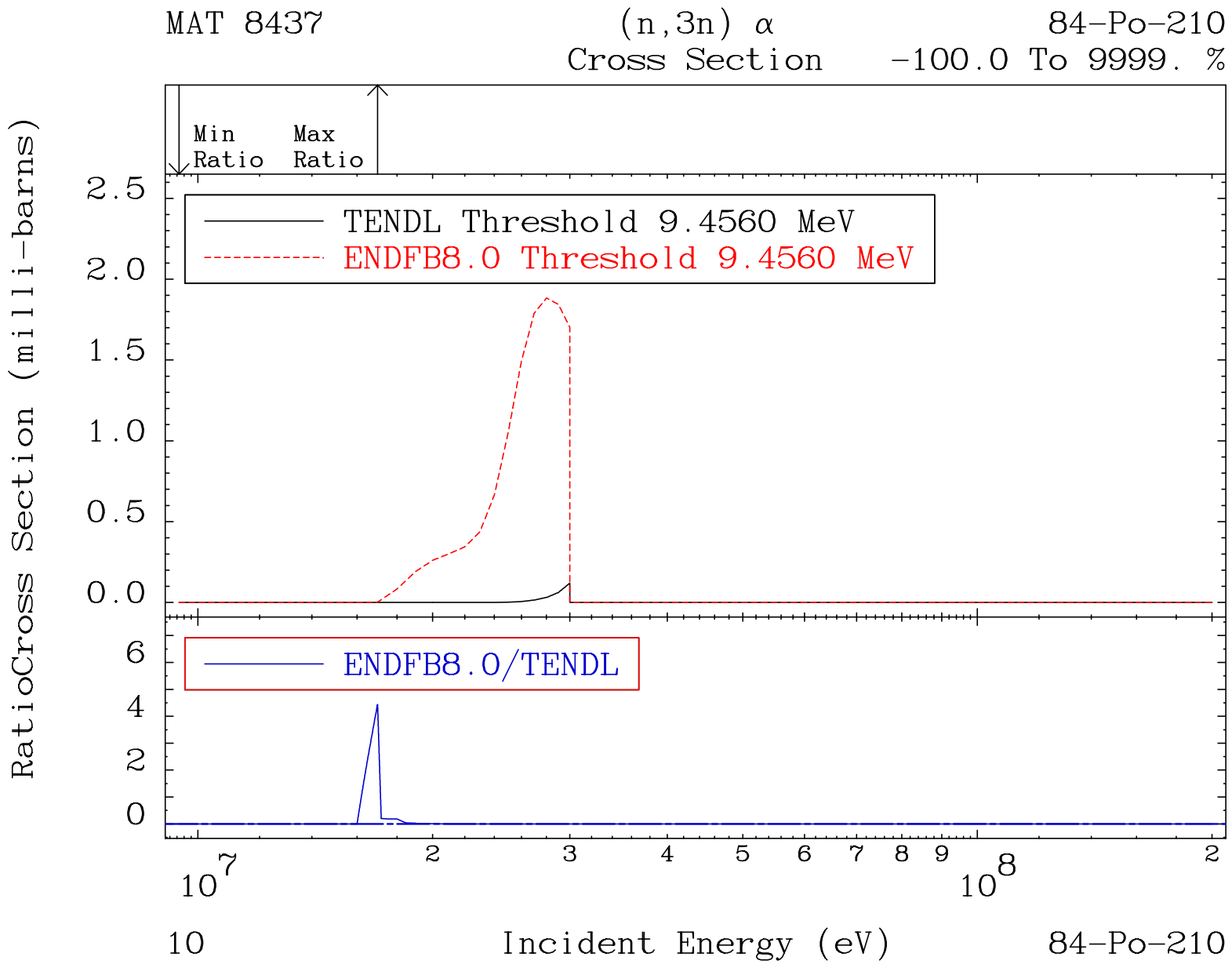

MAT 8437
(n,2n) d
84-Po-210
Cross Section
-100.0 To 1091. %
Max
Ratio
TENDL Threshold 17.188 MeV
ENDFB8.0 Threshold 17.188 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
600
500
400
300
200
100
0
10
0
2
3
4
5
6
7
8
9
2
10^8
5
Incident Energy (eV)
84-Po-210

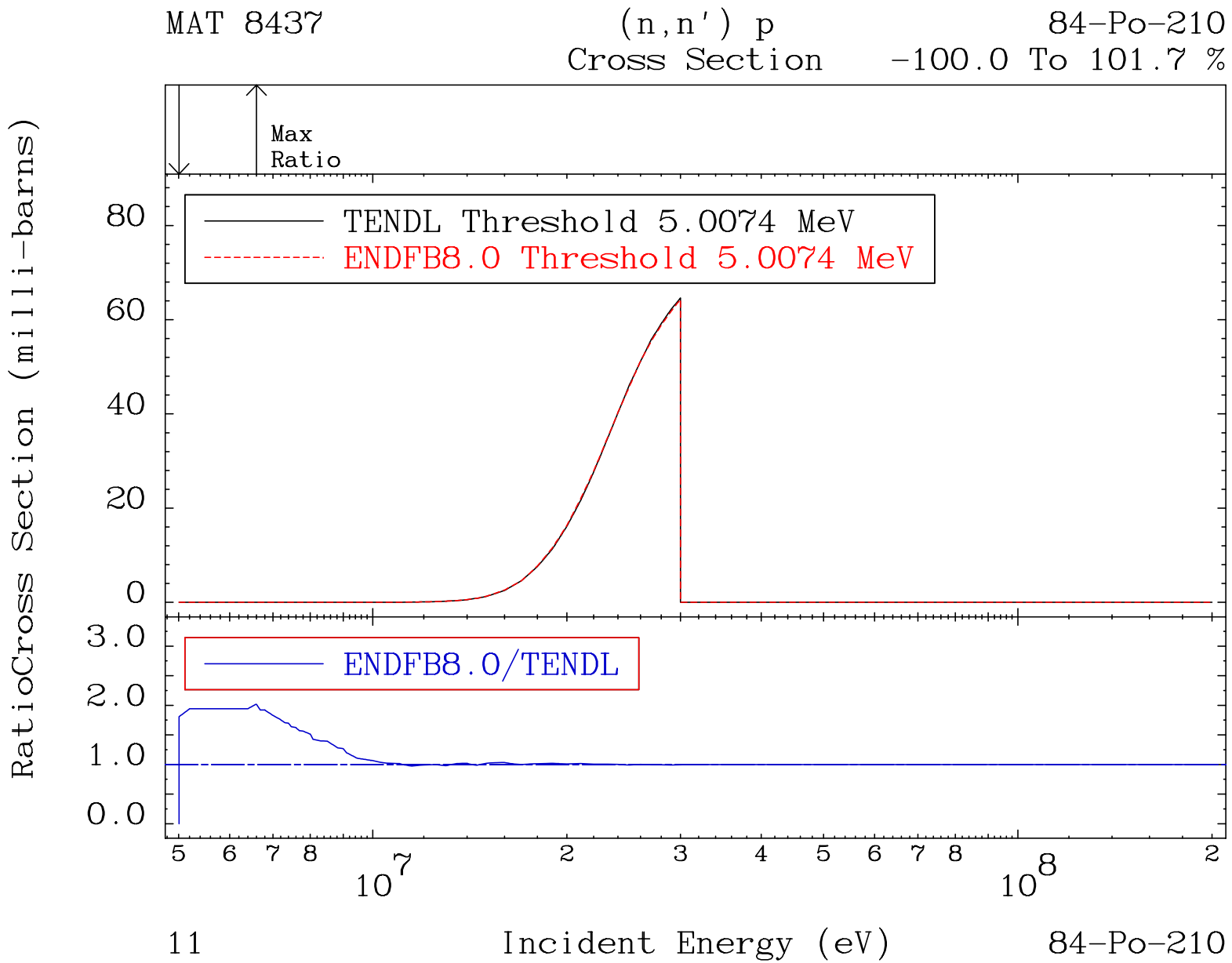

MAT 8437
(n,2n)
Cross Section
84-Po-210
-100.0 To 19.46 %
Max
Ratio
TENDL Threshold 7.6951 MeV
ENDFB8.0 Threshold 7.6951 MeV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.0
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
Incident Energy (eV)
6
84-Po-210

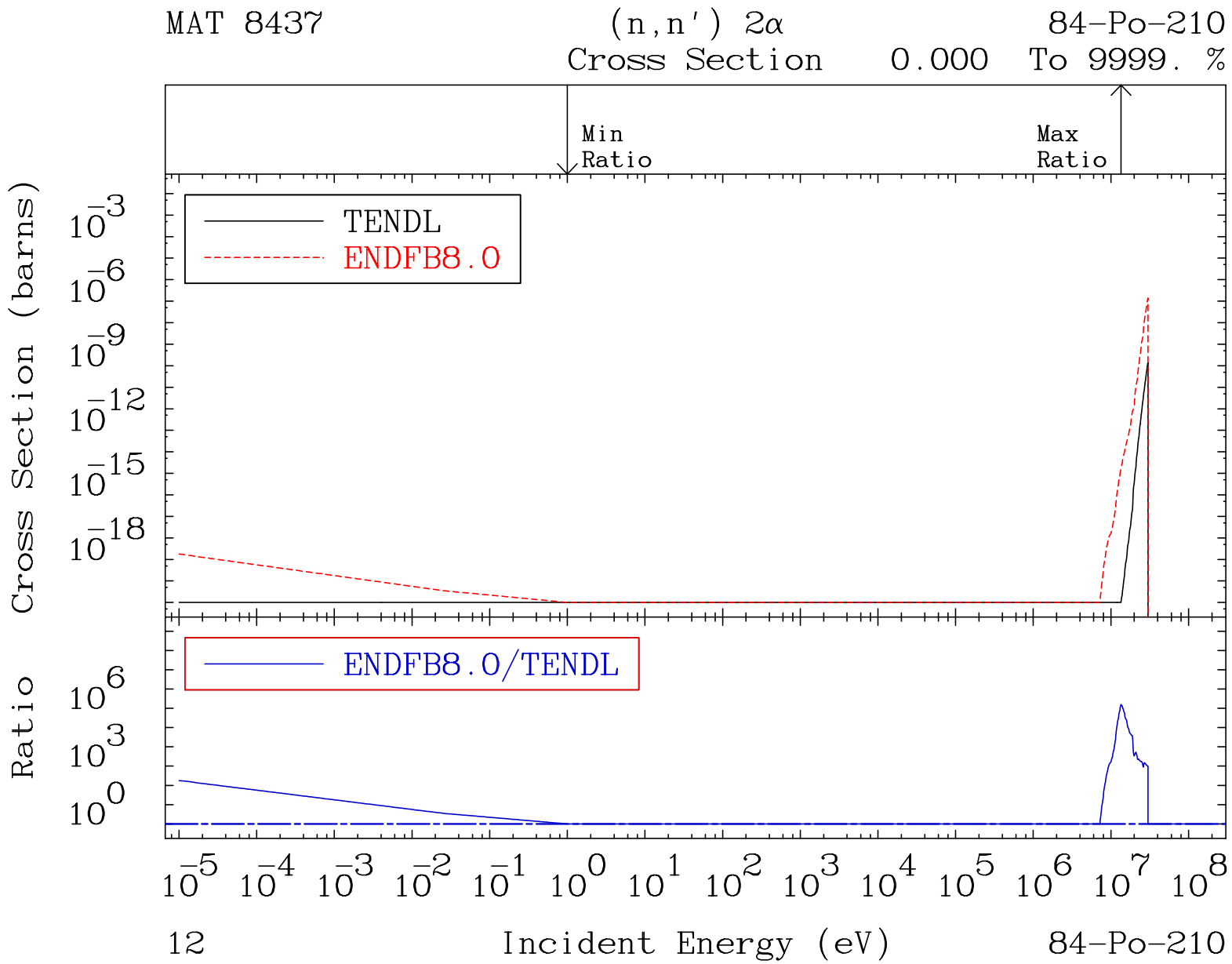

MAT 8437
(n,3n)
84-Po-210
Cross Section
-14.25 To 262.0 %
Max Ratio
Min Ratio
TENDL Threshold 14.697 MeV
ENDFB8.0 Threshold 14.697 MeV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
4
2
2
3
4
5
6
7
8
9
2
10^8
7
Incident Energy (eV)
84-Po-210

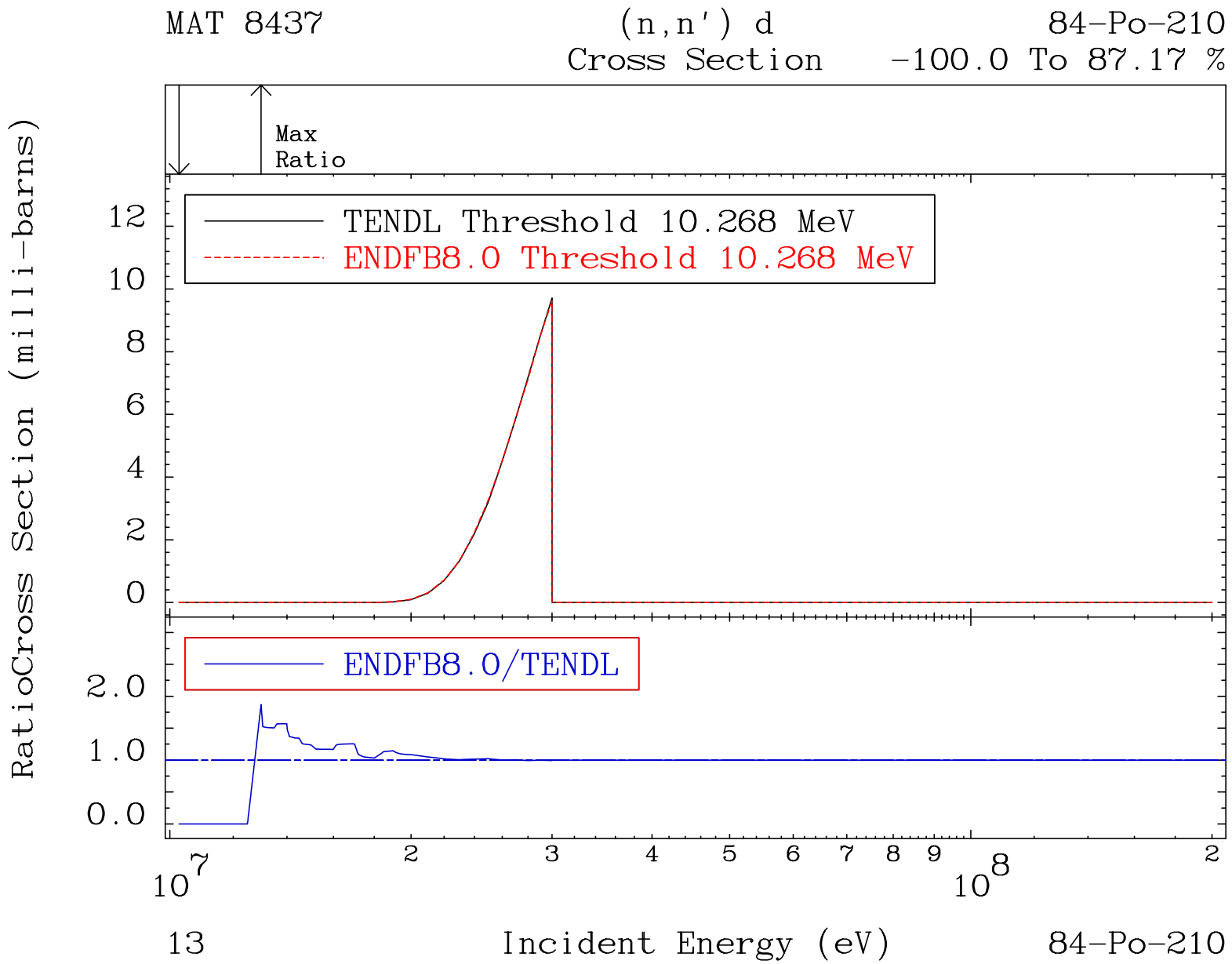

MAT 8437
(n,n') α
84-Po-210
Cross Section
-17.79 To 9999. %
Max
Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
8
84-Po-210

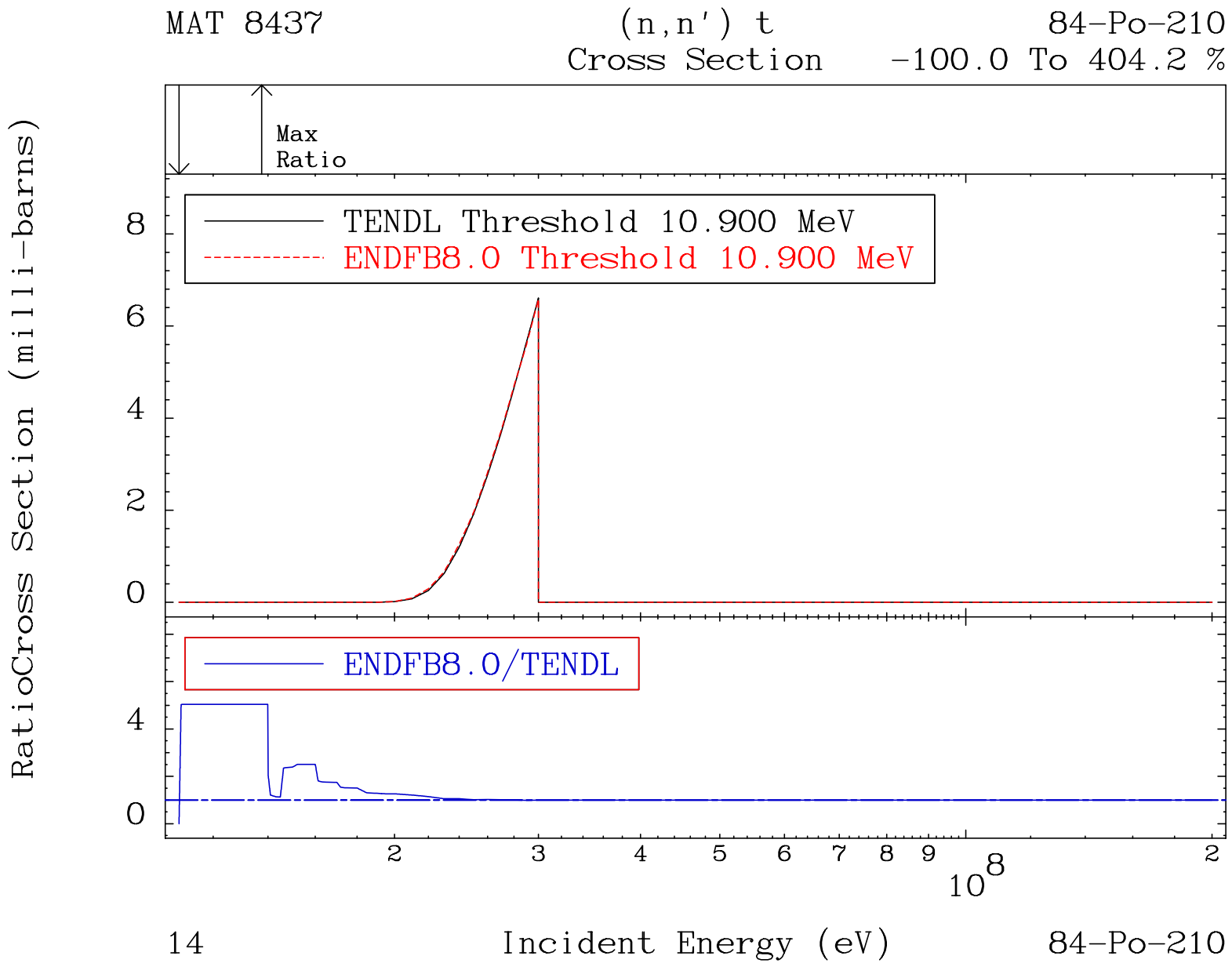

MAT 8437
(n,2n) α
84-Po-210
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.6920 MeV
ENDFB8.0 Threshold 2.6920 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
9
84-Po-210

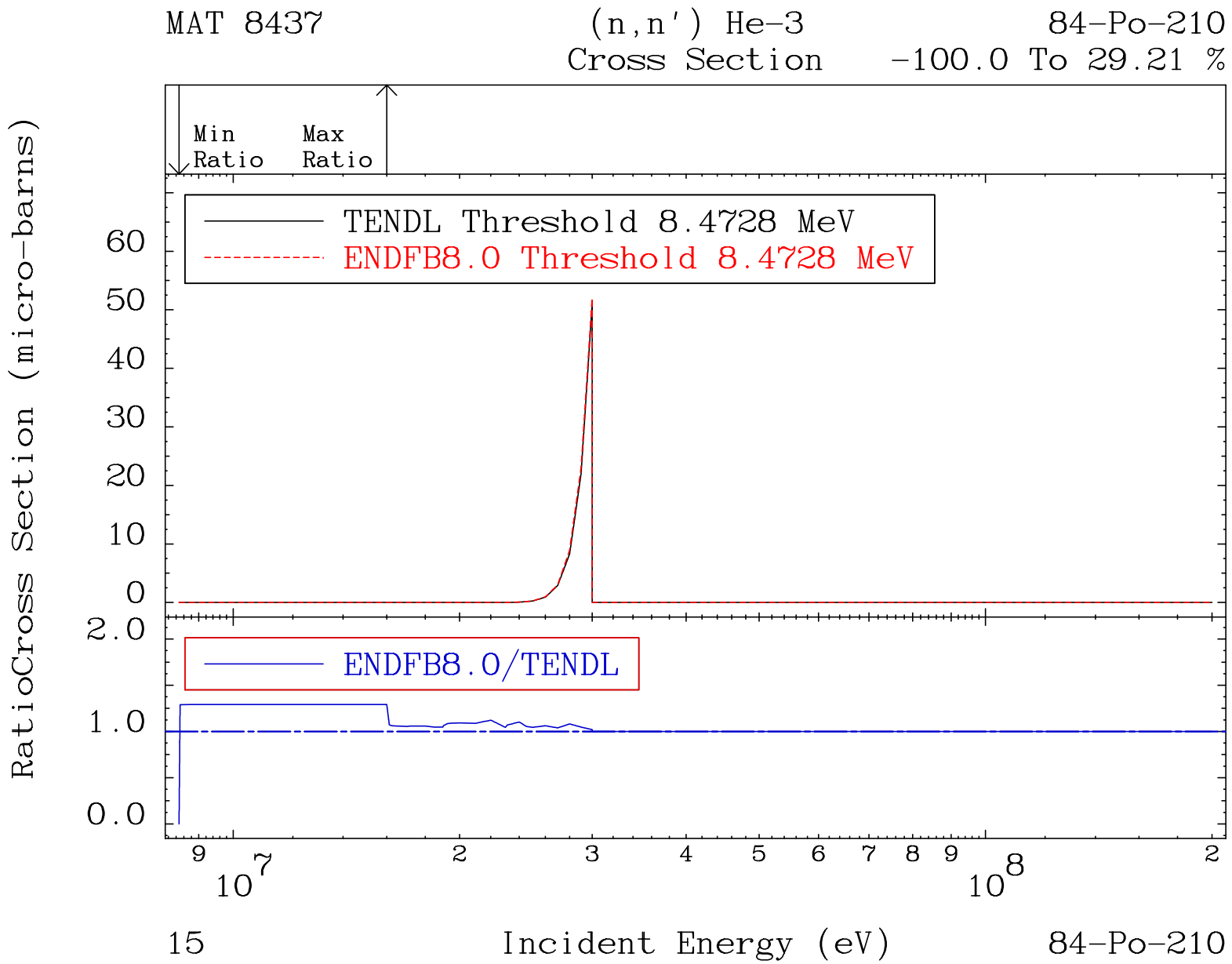

MAT 8437
(n,3n) α
84-Po-210
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 9.4560 MeV
ENDFB8.0 Threshold 9.4560 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
84-Po-210

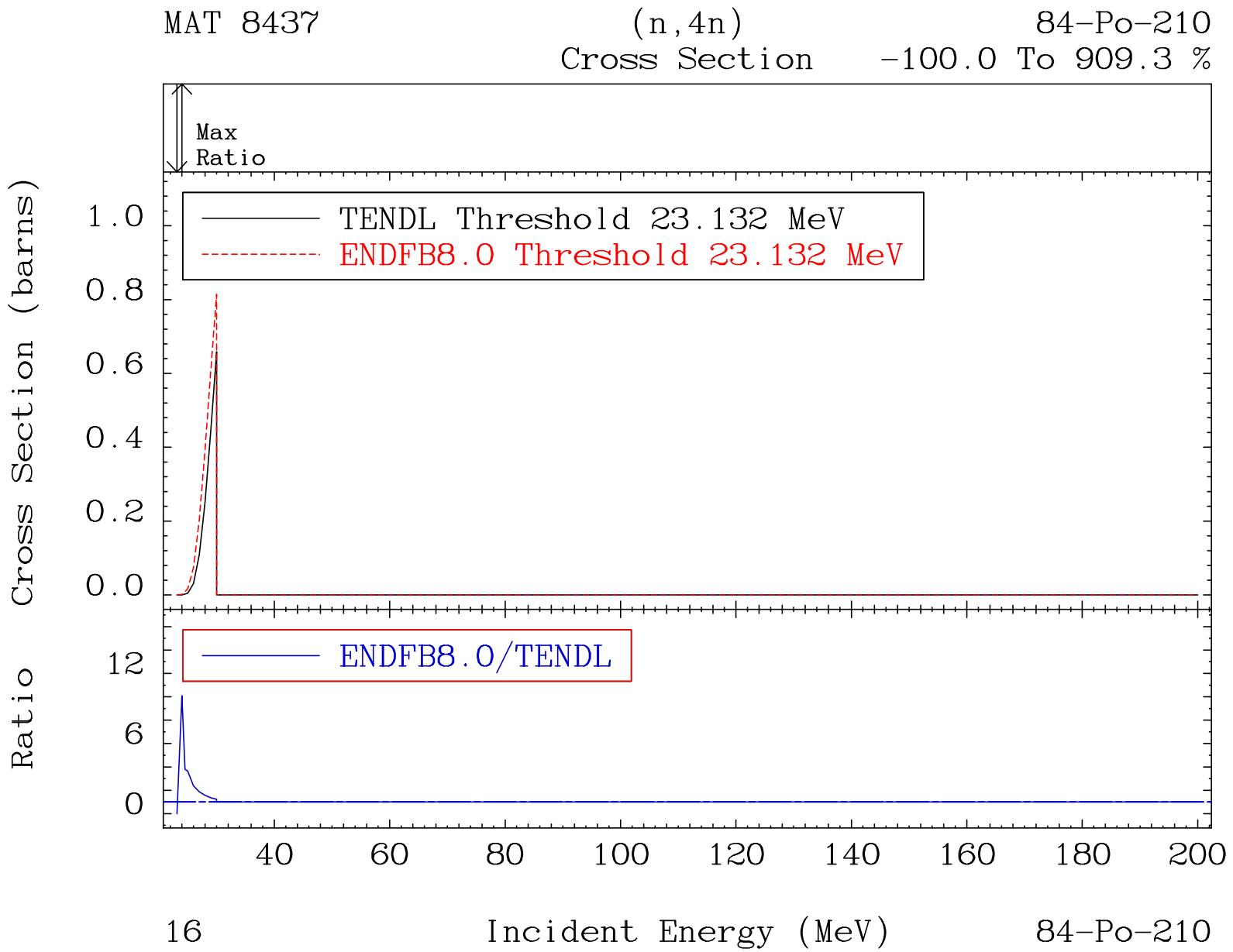

MAT 8437
(n,n') p
Cross Section
84-Po-210
-100.0 To 101.7 %
Max
Ratio
TENDL Threshold 5.0074 MeV
ENDFB8.0 Threshold 5.0074 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
3.0
2.0
1.0
0.0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
11
Incident Energy (eV)
84-Po-210

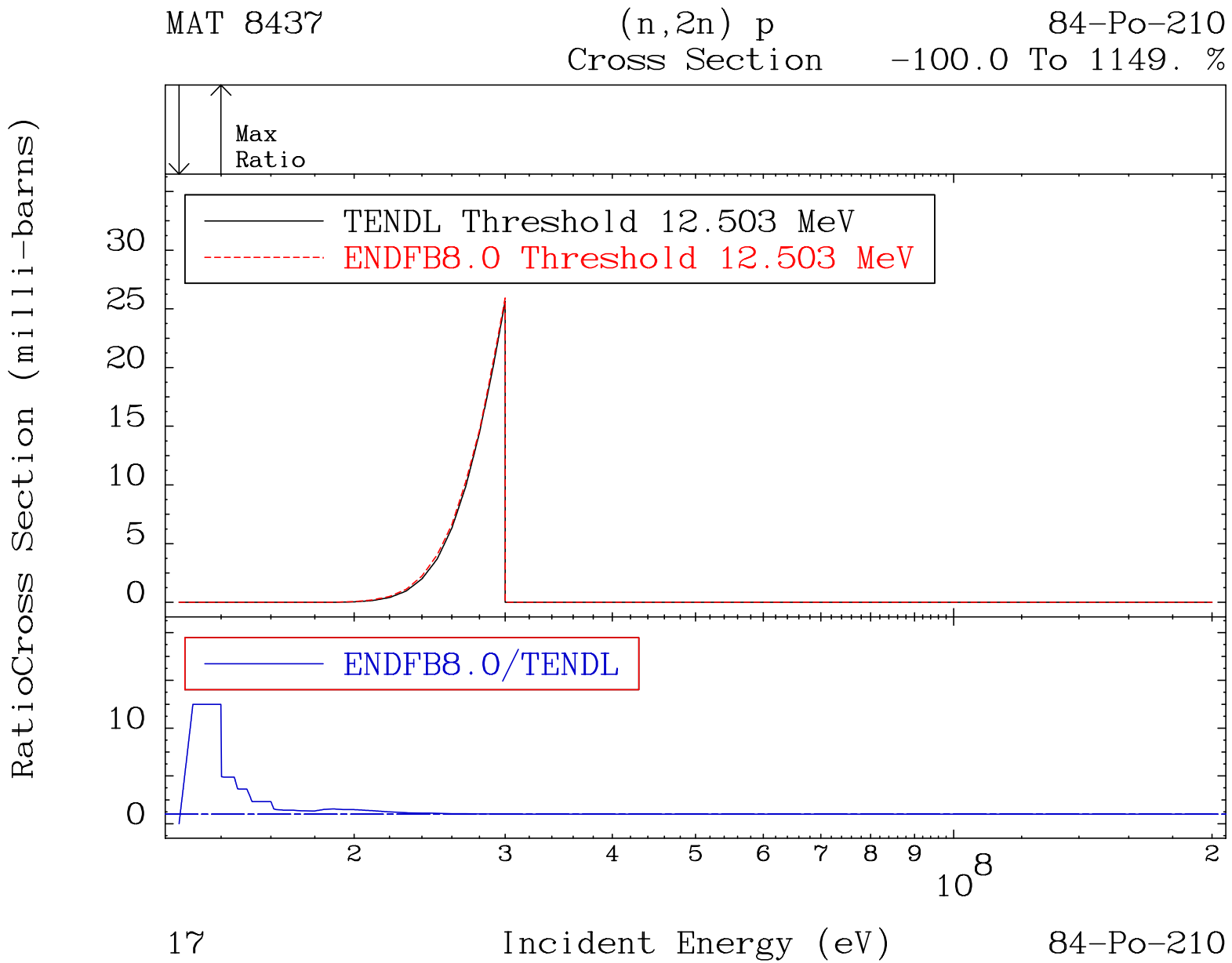

MAT 8437
(n,n') 2α
84-Po-210
Cross Section 0.000 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
12
84-Po-210

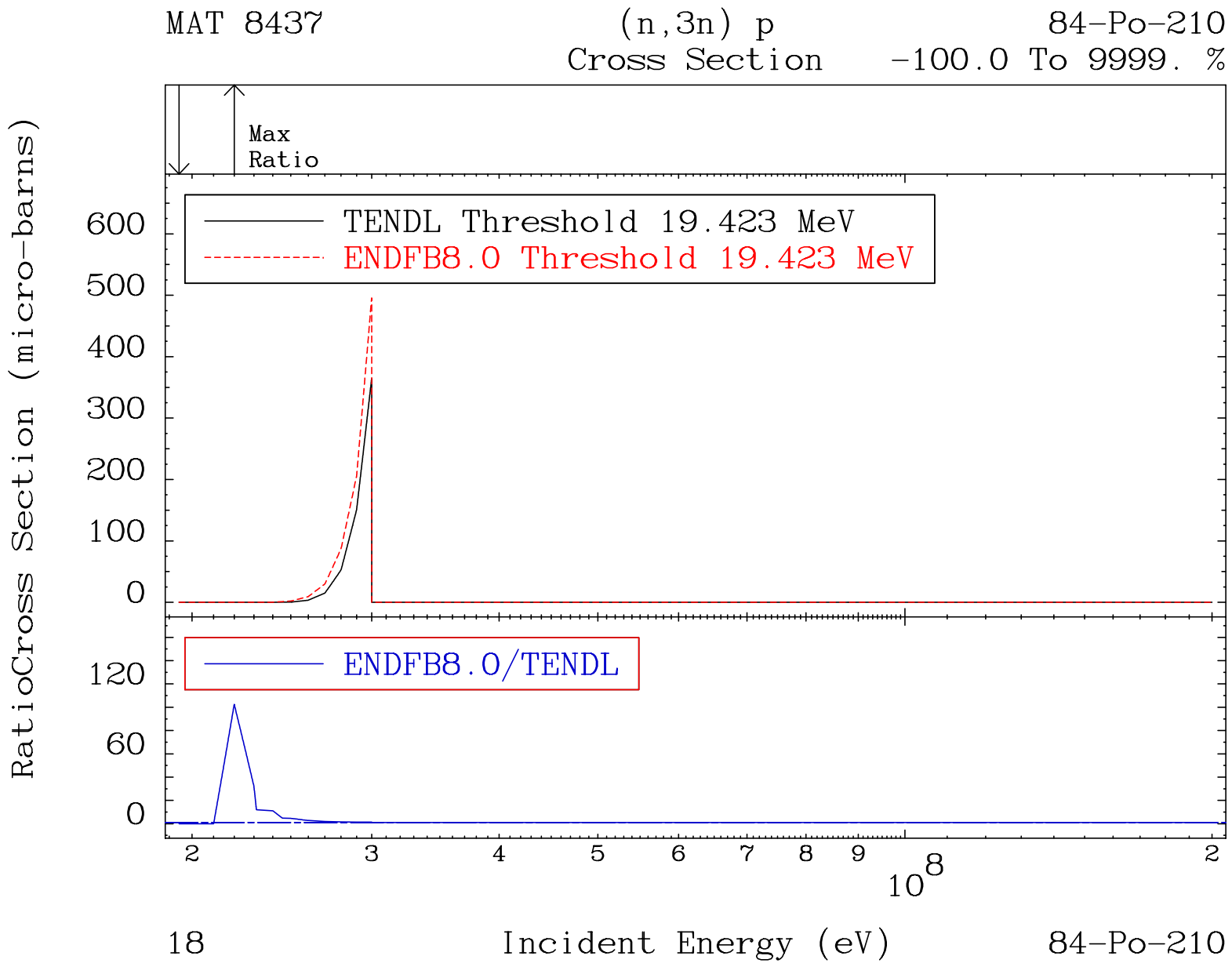

MAT 8437
(n,n') d
Cross Section
84-Po-210
-100.0 To 87.17 %
Max
Ratio
TENDL Threshold 10.268 MeV
ENDFB8.0 Threshold 10.268 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
2.0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
84-Po-210

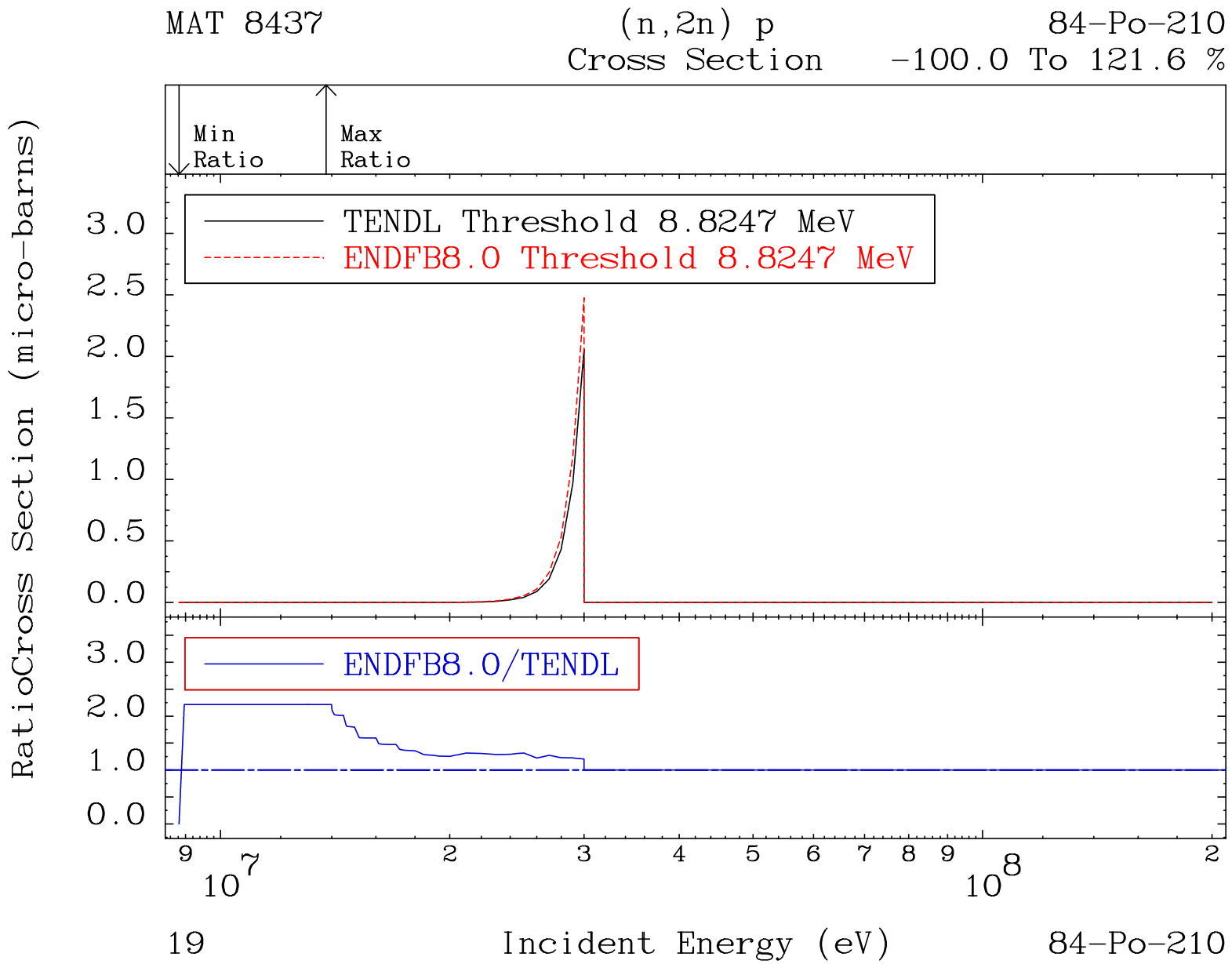

MAT 8437
(n,n') t
Cross Section
84-Po-210
-100.0 To 404.2 %
Max
Ratio
TENDL Threshold 10.900 MeV
ENDFB8.0 Threshold 10.900 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
8
6
4
2
0
4
0
2
3
4
5
6
7
8
9
2
10^8
14
Incident Energy (eV)
84-Po-210

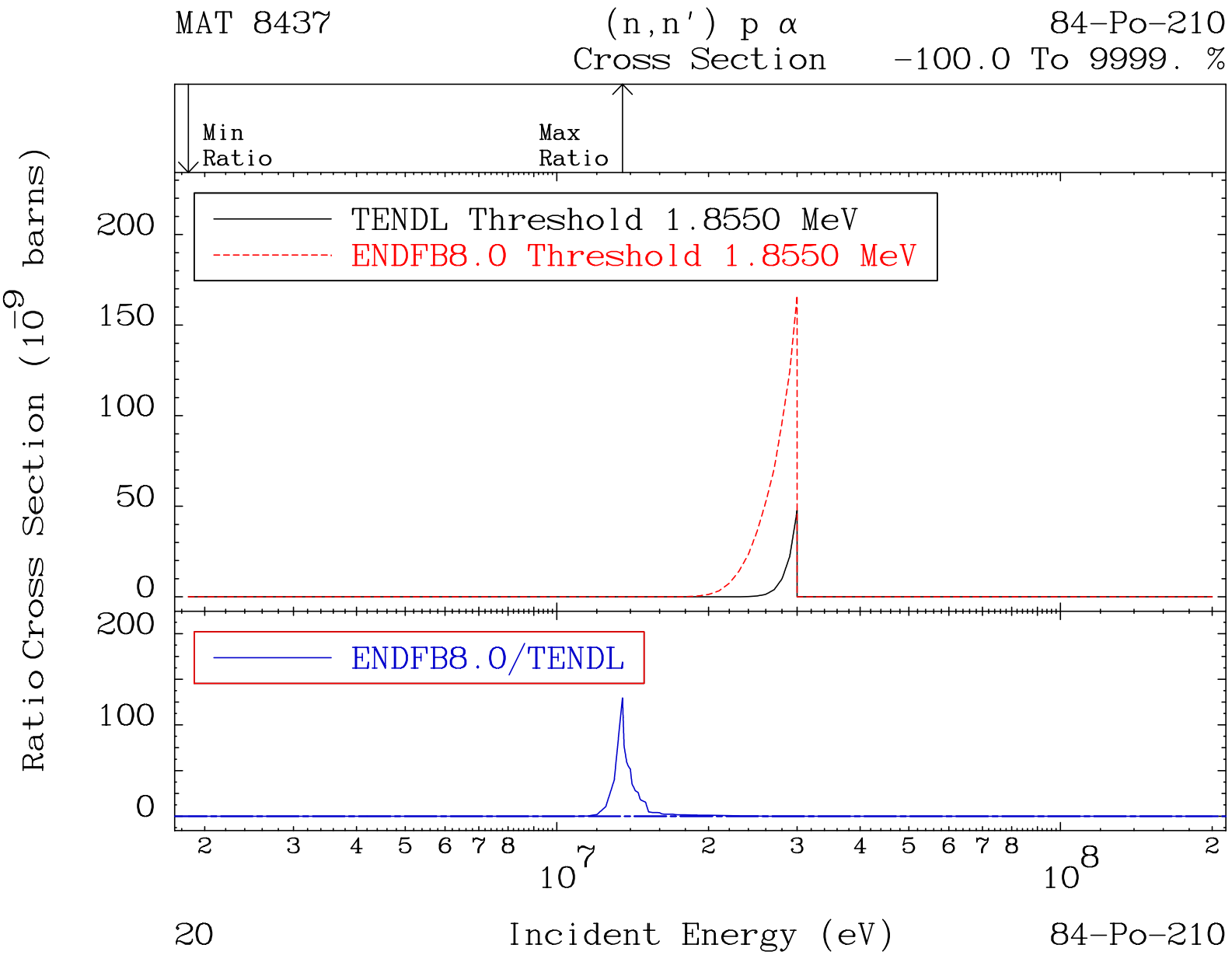

MAT 8437
(n,n') He-3
Cross Section
84-Po-210
-100.0 To 29.21 %
Min Ratio
Max Ratio
TENDL Threshold 8.4728 MeV
ENDFB8.0 Threshold 8.4728 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
60
50
40
30
20
10
0
2.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
15
Incident Energy (eV)
84-Po-210

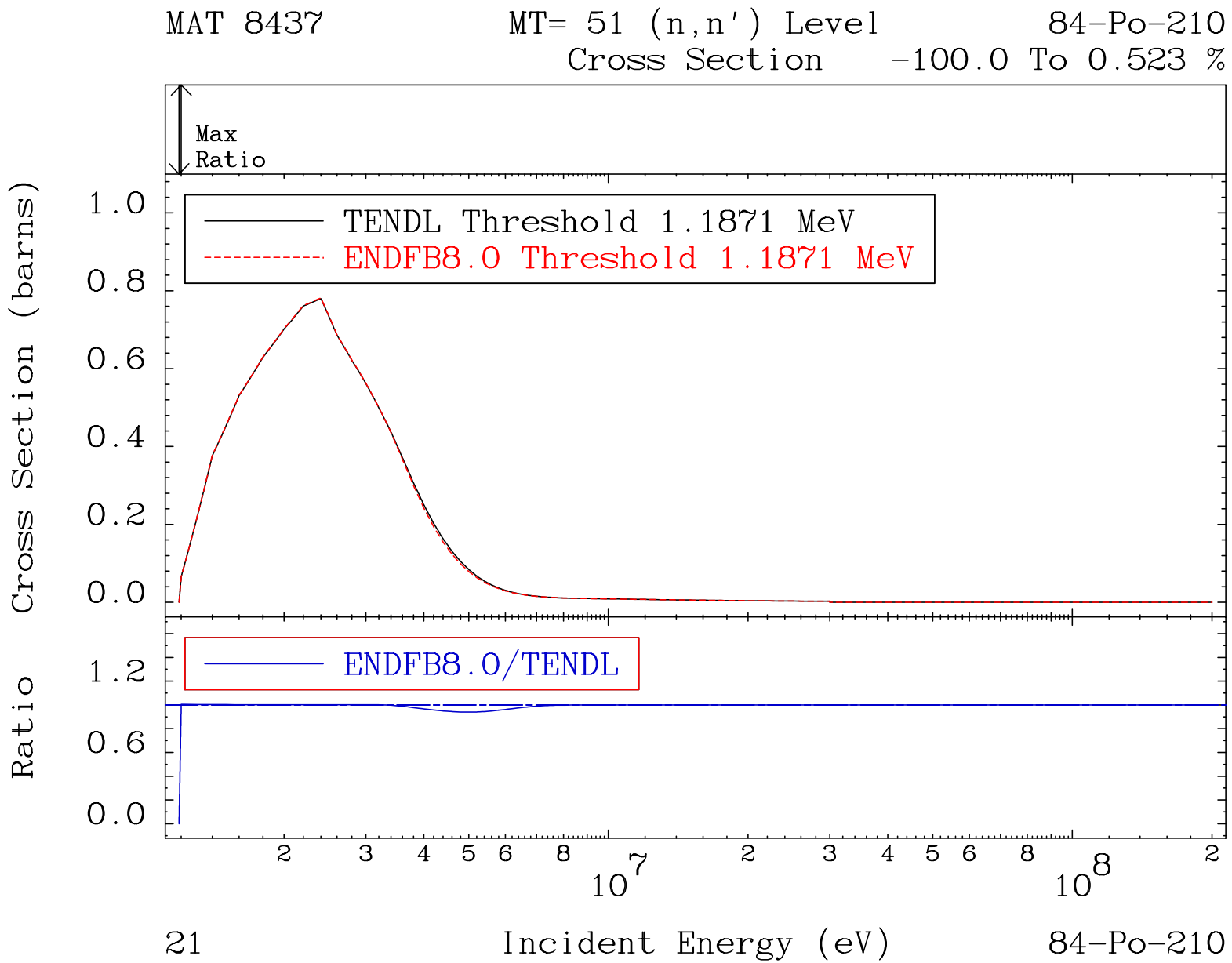

MAT 8437
(n,4n)
84-Po-210
Cross Section
-100.0 To 909.3 %
Max
Ratio
TENDL Threshold 23.132 MeV
ENDFB8.0 Threshold 23.132 MeV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
12
6
0
40
60
80
100
120
140
160
180
200
16
Incident Energy (MeV)
84-Po-210

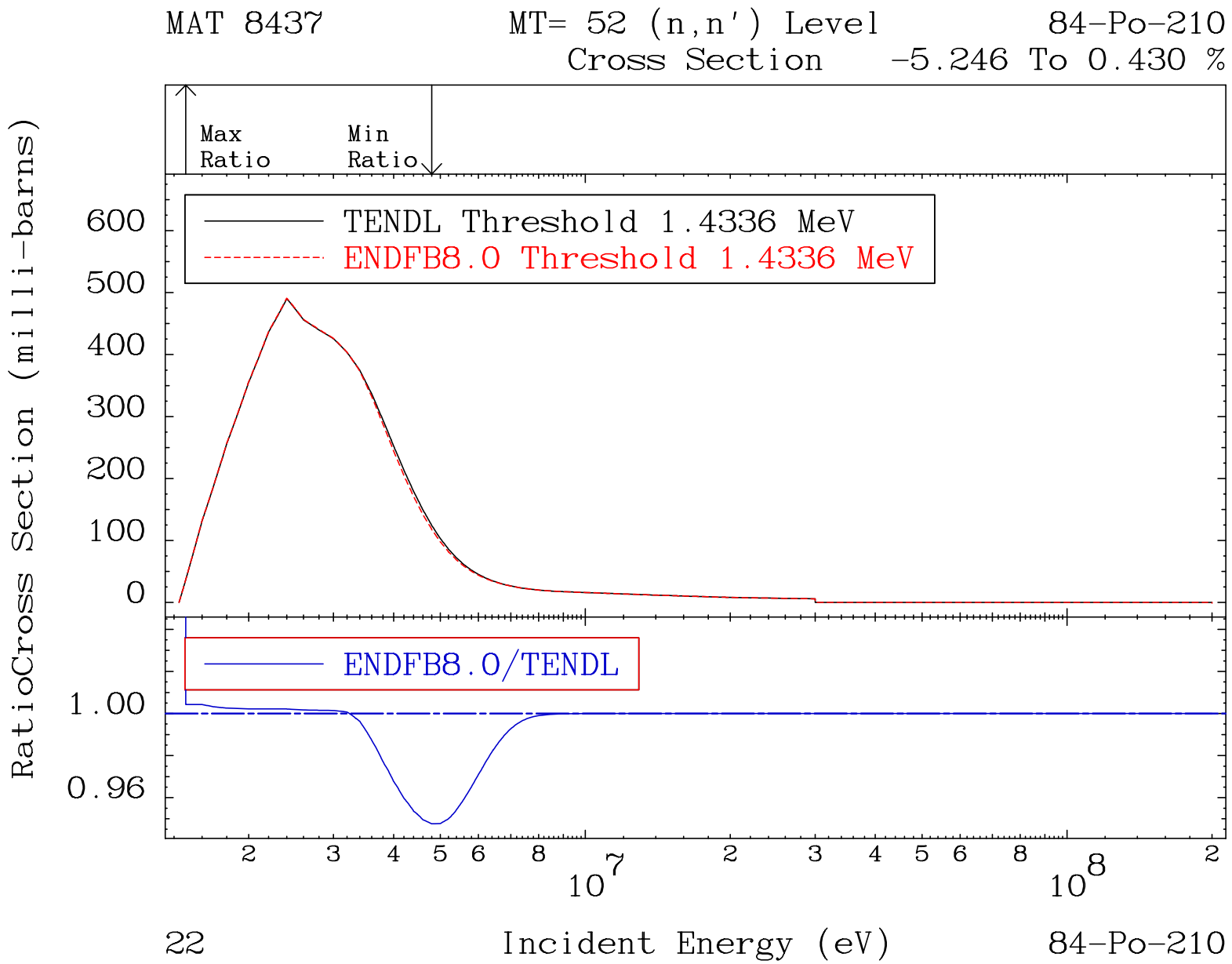

MAT 8437
(n,2n) p
84-Po-210
Cross Section
-100.0 To 1149. %
Max
Ratio
TENDL Threshold 12.503 MeV
ENDFB8.0 Threshold 12.503 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
10
0
2
3
4
5
6
7
8
9
2
10^8
17
Incident Energy (eV)
84-Po-210

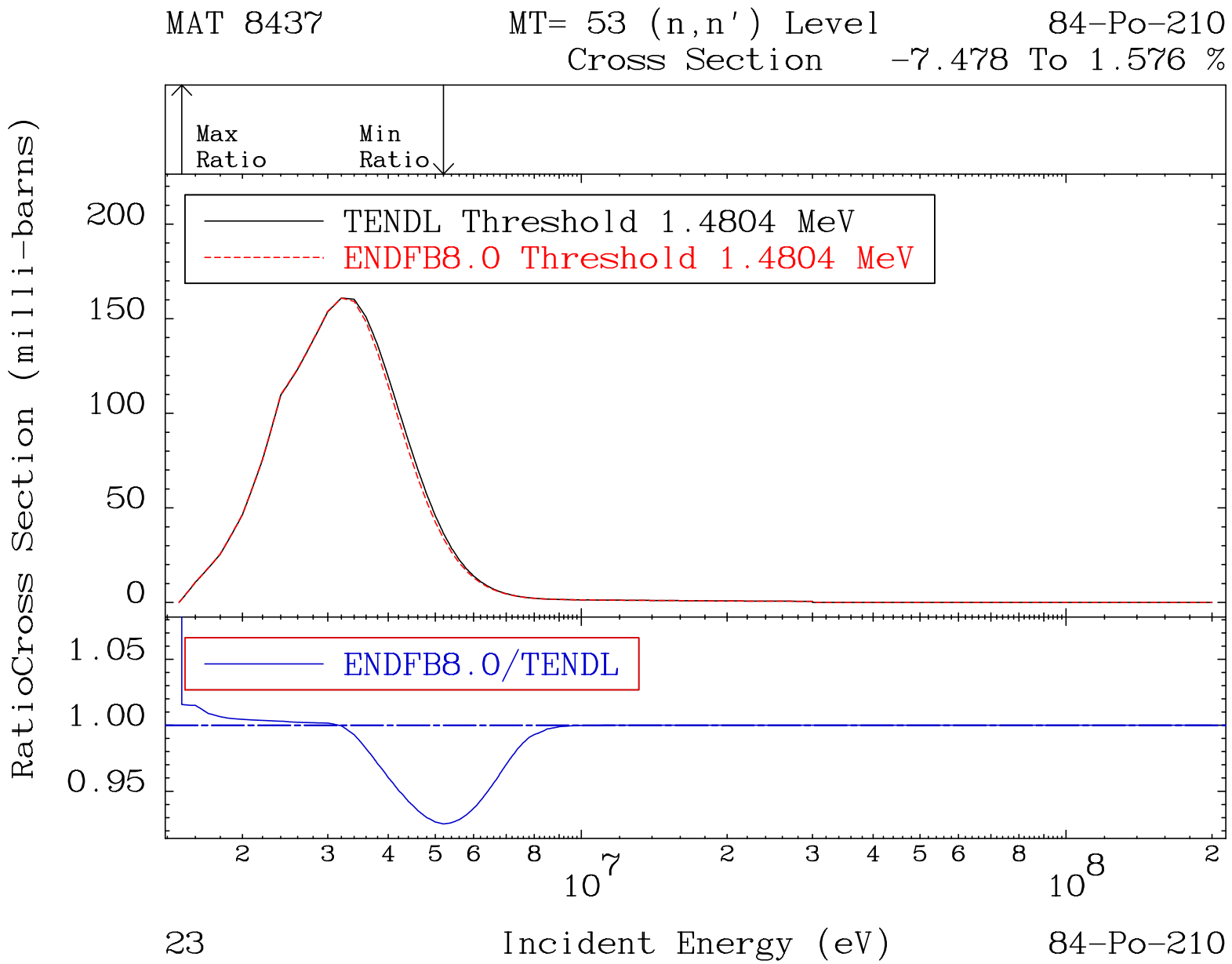

MAT 8437
(n,3n) p
Cross Section
84-Po-210
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 19.423 MeV
ENDFB8.0 Threshold 19.423 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
600
500
400
300
200
100
0
120
60
0
2
3
4
5
6
7
8
9
2
10^8
18
Incident Energy (eV)
84-Po-210

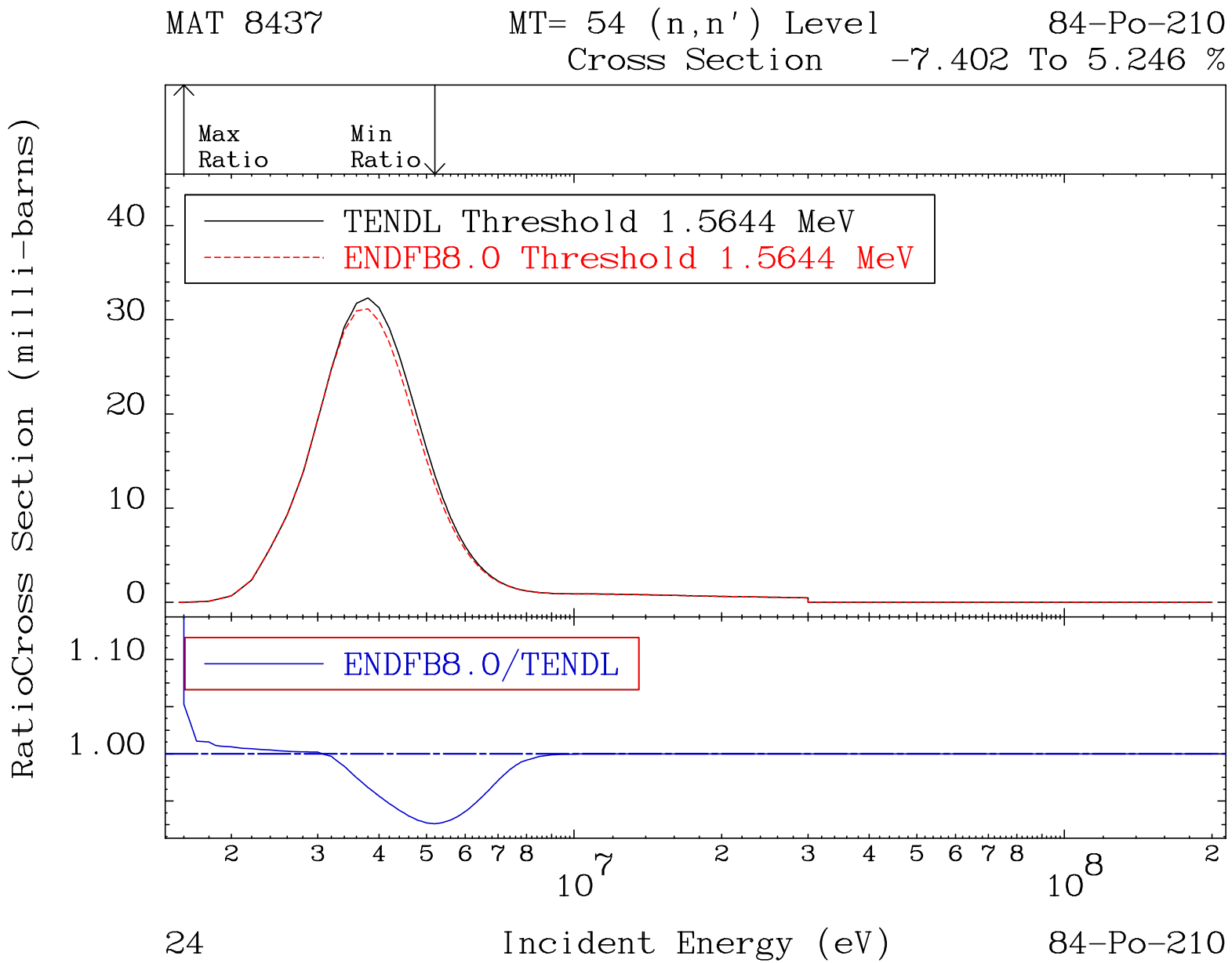

MAT 8437
(n,2n) p
84-Po-210
Cross Section
-100.0 To 121.6 %
Min Ratio
Max Ratio
TENDL Threshold 8.8247 MeV
ENDFB8.0 Threshold 8.8247 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
19
Incident Energy (eV)
84-Po-210

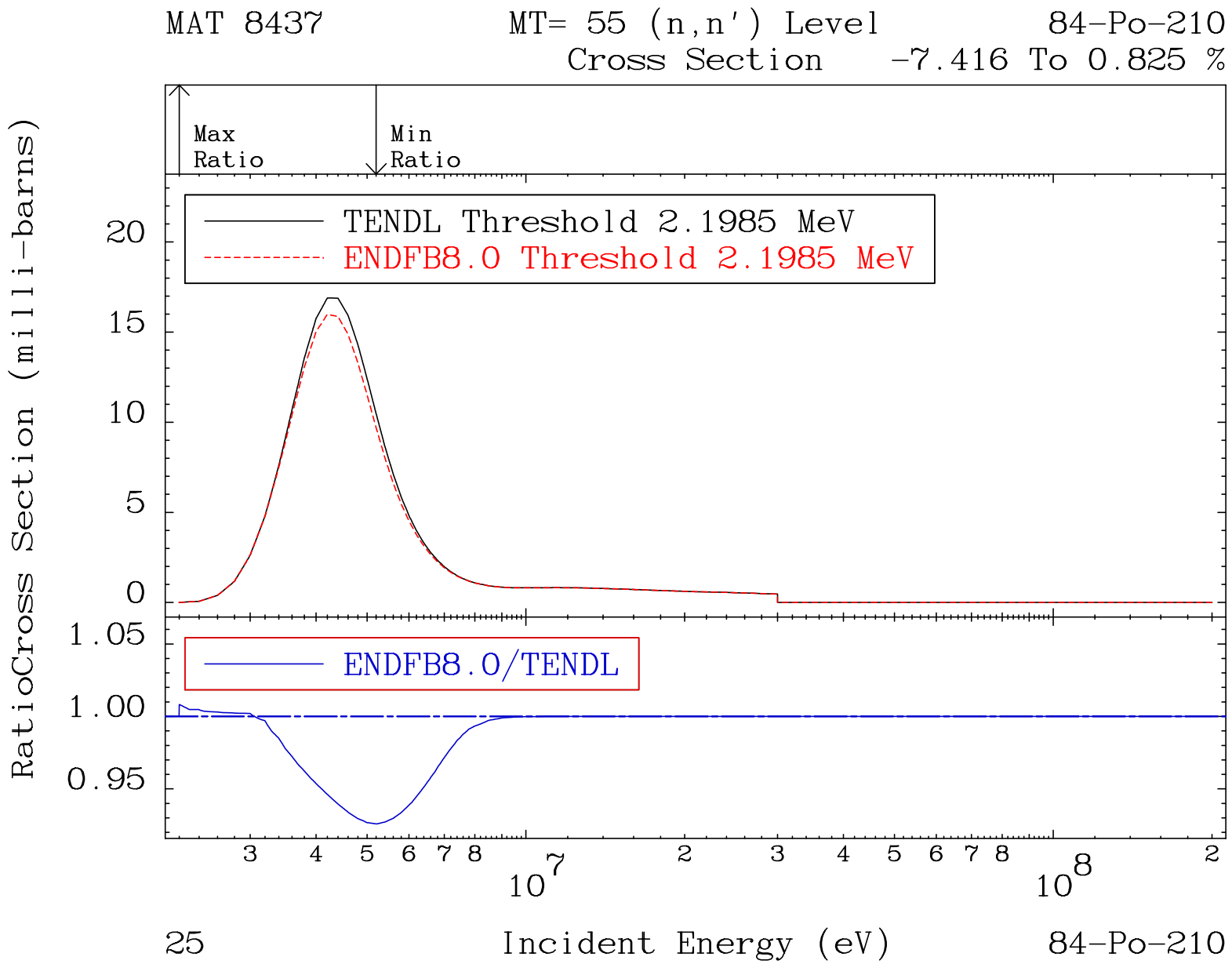

MAT 8437
(n,n') p α
84-Po-210
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.8550 MeV
ENDFB8.0 Threshold 1.8550 MeV
ENDFB8.0/TENDL
Ratio Cross Section (10^-9 barns)
200
150
100
50
0
200
100
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
20
Incident Energy (eV)
84-Po-210

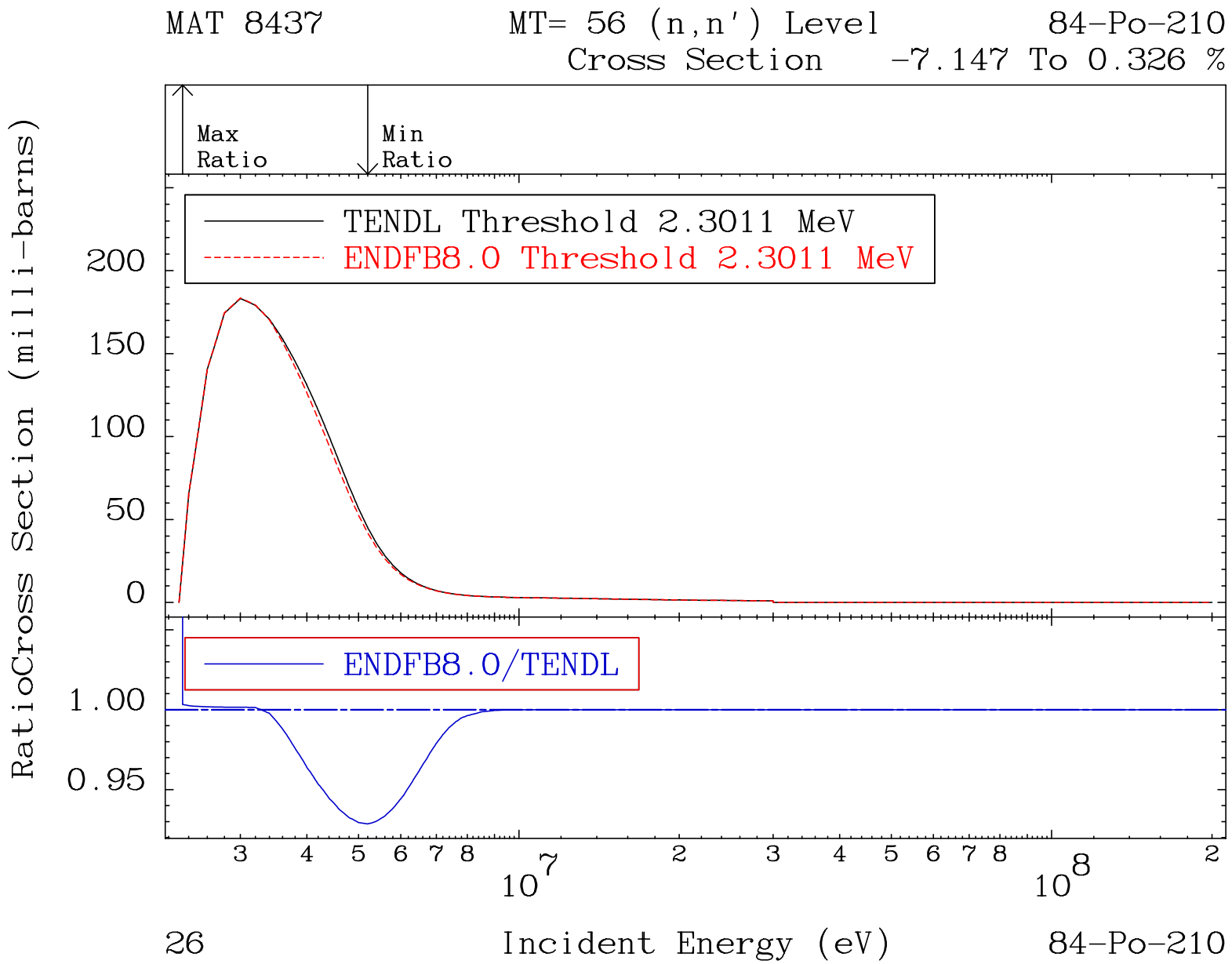

MAT 8437
MT= 51 (n,n') Level
84-Po-210
Cross Section -100.0 To 0.523 %
Max
Ratio
TENDL Threshold 1.1871 MeV
ENDFB8.0 Threshold 1.1871 MeV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
1.2
0.6
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
21
Incident Energy (eV)
84-Po-210

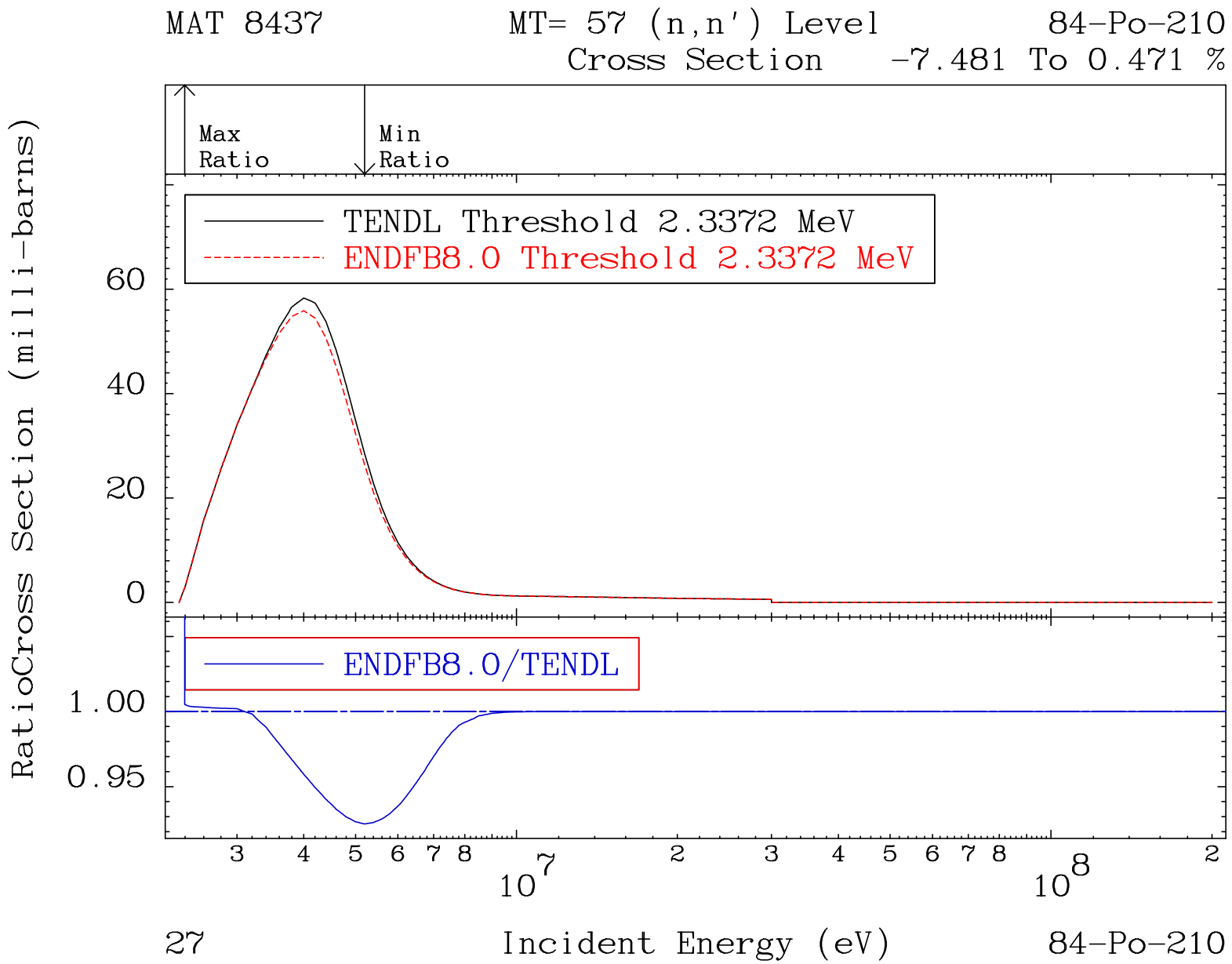

MAT 8437
MT= 52 (n,n') Level
84-Po-210
Cross Section
-5.246 To 0.430 %
Max Ratio
Min Ratio
TENDL Threshold 1.4336 MeV
ENDFB8.0 Threshold 1.4336 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
1.00
0.96
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
22
Incident Energy (eV)
84-Po-210

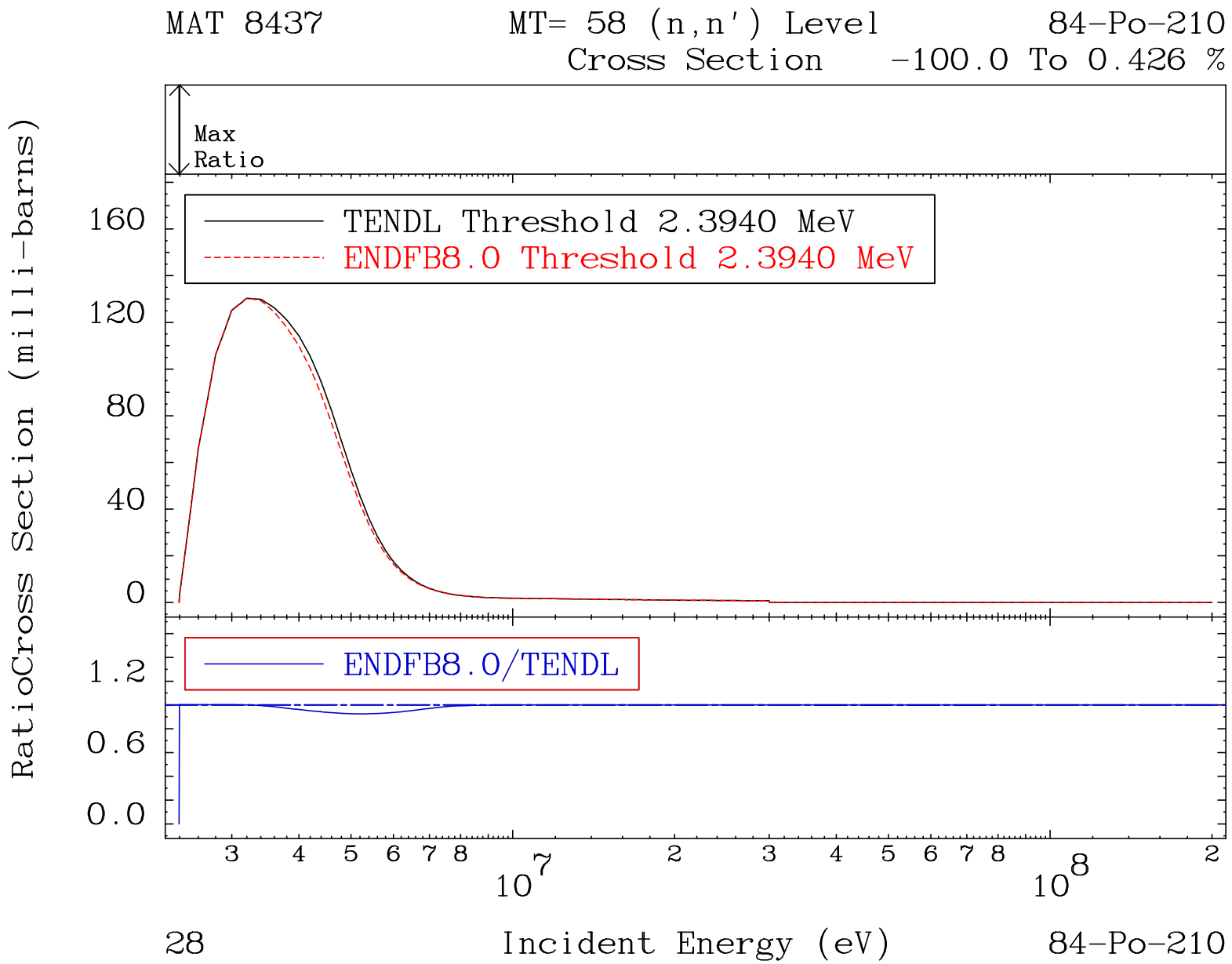

MAT 8437
MT= 53 (n,n') Level
84-Po-210
Cross Section
-7.478 To 1.576 %
Max Ratio
Min Ratio
TENDL Threshold 1.4804 MeV
ENDFB8.0 Threshold 1.4804 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.05
1.00
0.95
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
23
Incident Energy (eV)
84-Po-210

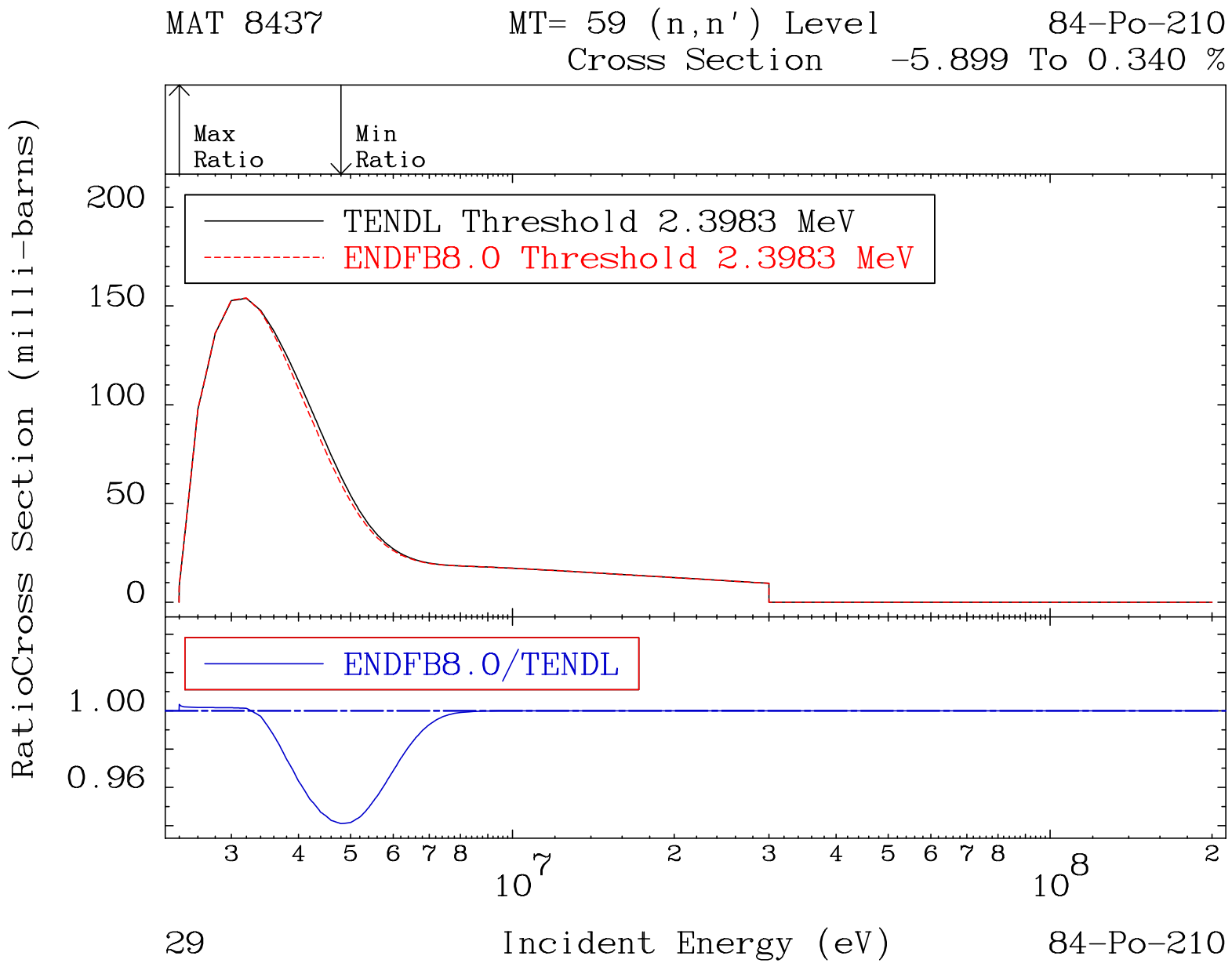

MAT 8437
MT= 54 (n,n') Level
84-Po-210
Cross Section
-7.402 To 5.246 %
Max Ratio
Min Ratio
TENDL Threshold 1.5644 MeV
ENDFB8.0 Threshold 1.5644 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.10
1.00
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
84-Po-210

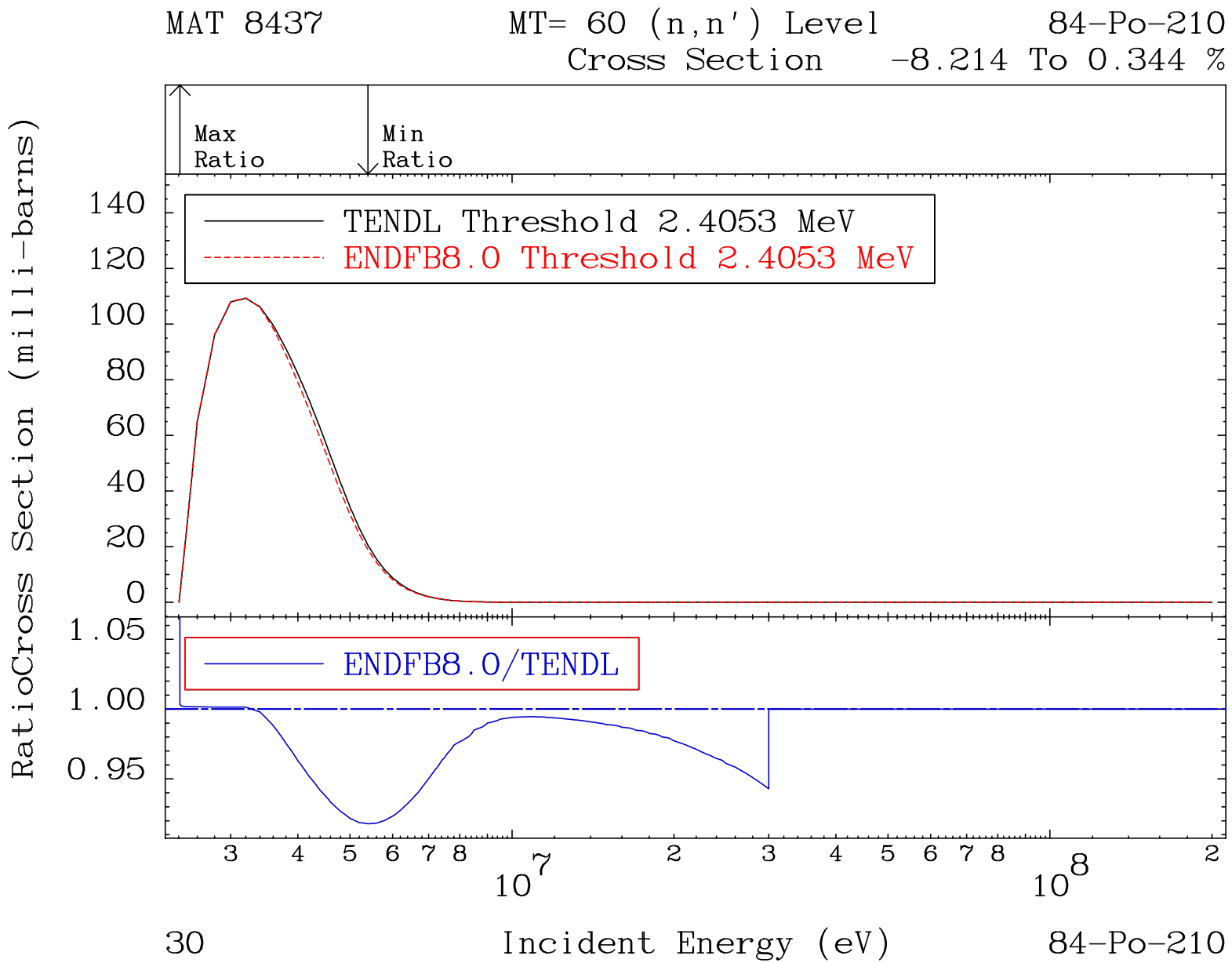

MAT 8437
MT= 55 (n,n') Level
84-Po-210
Cross Section
-7.416 To 0.825 %
Max Ratio
Min Ratio
TENDL Threshold 2.1985 MeV
ENDFB8.0 Threshold 2.1985 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
1.05
1.00
0.95
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
84-Po-210

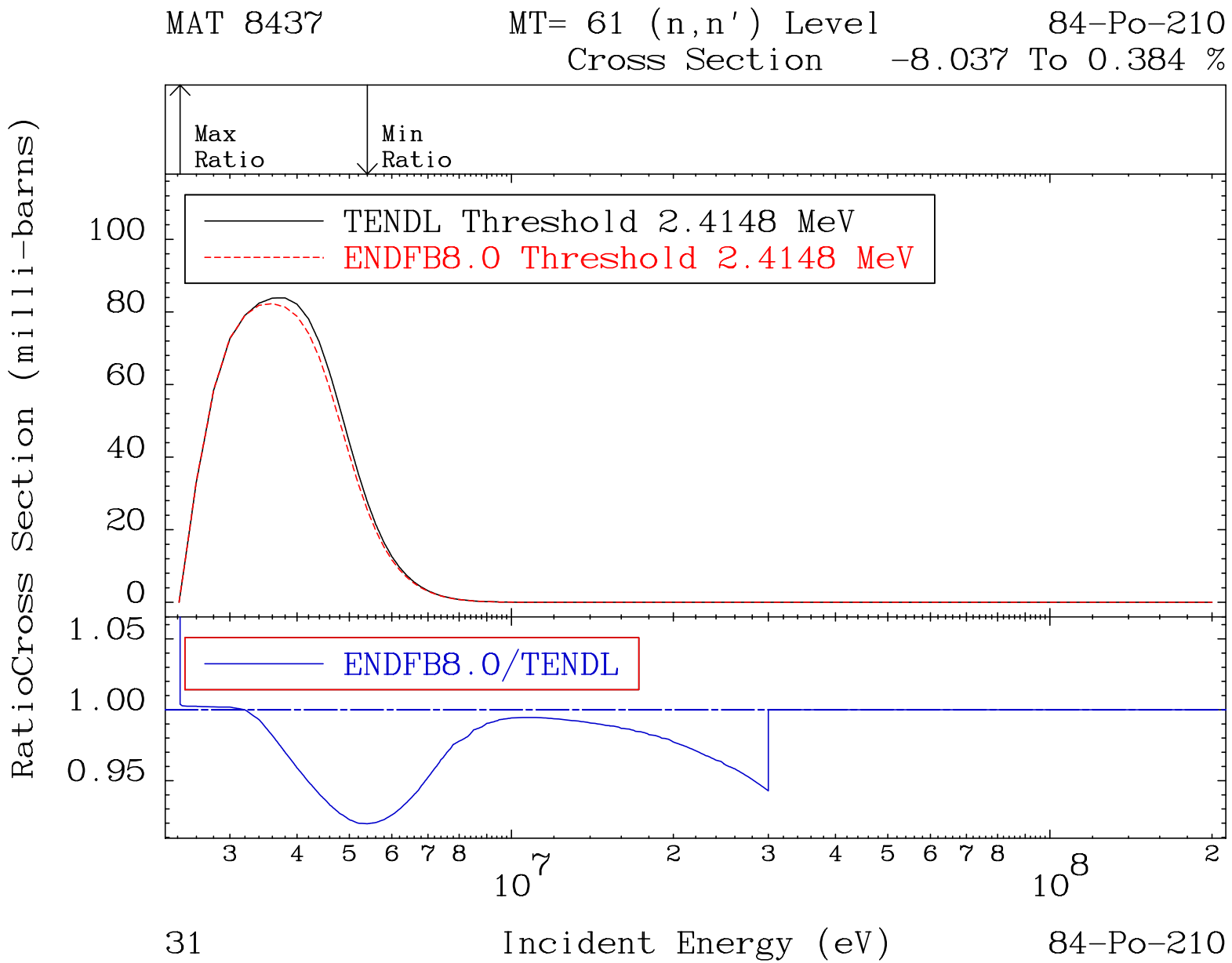

MAT 8437
MT= 56 (n,n') Level
84-Po-210
Cross Section
-7.147 To 0.326 %
Max Ratio
Min Ratio
TENDL Threshold 2.3011 MeV
ENDFB8.0 Threshold 2.3011 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.00
0.95
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
26
Incident Energy (eV)
84-Po-210

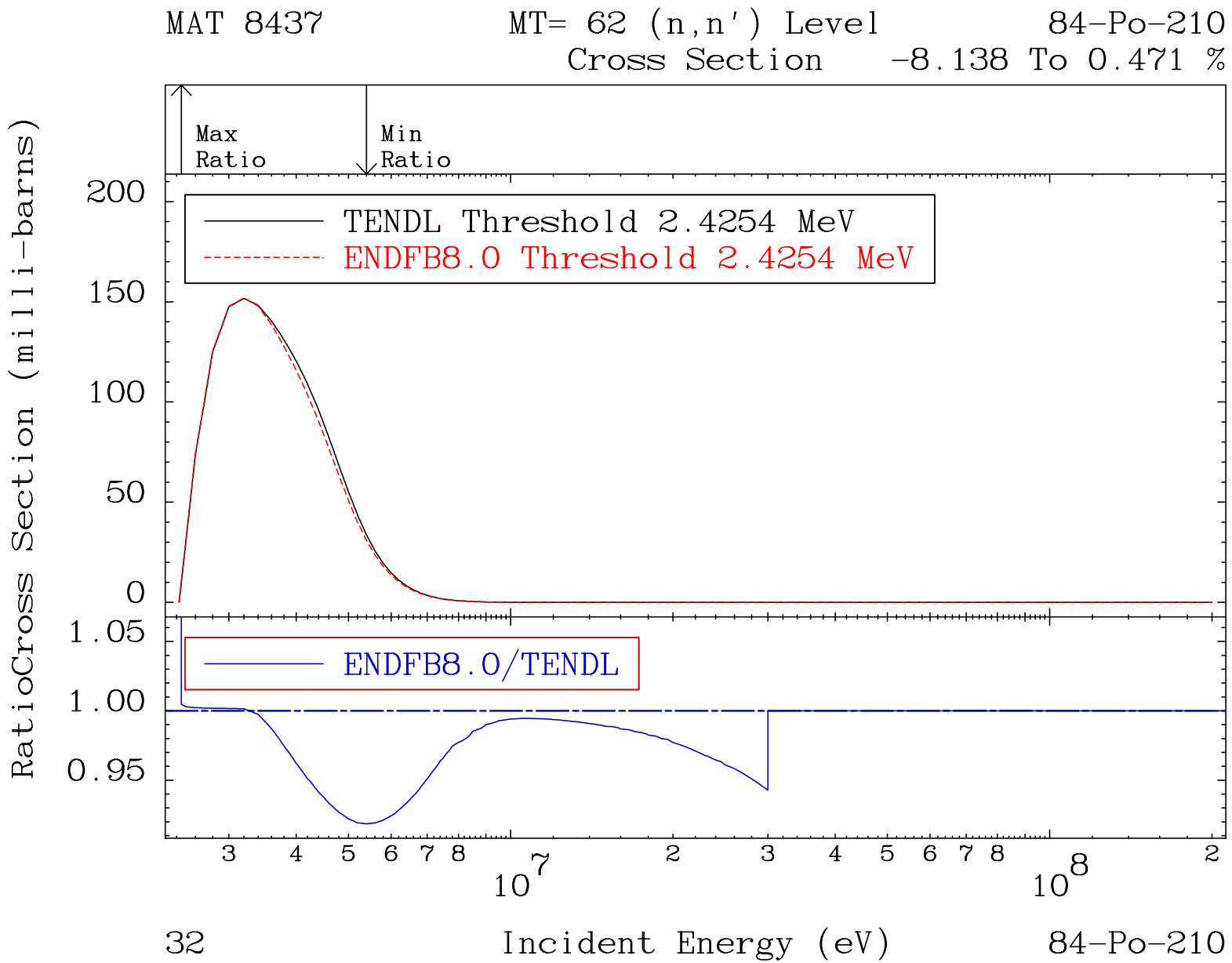

MAT 8437
MT= 57 (n,n') Level
84-Po-210
Cross Section -7.481 To 0.471 %
Max Ratio
Min Ratio
TENDL Threshold 2.3372 MeV
ENDFB8.0 Threshold 2.3372 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
1.00
0.95
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
27
Incident Energy (eV)
84-Po-210

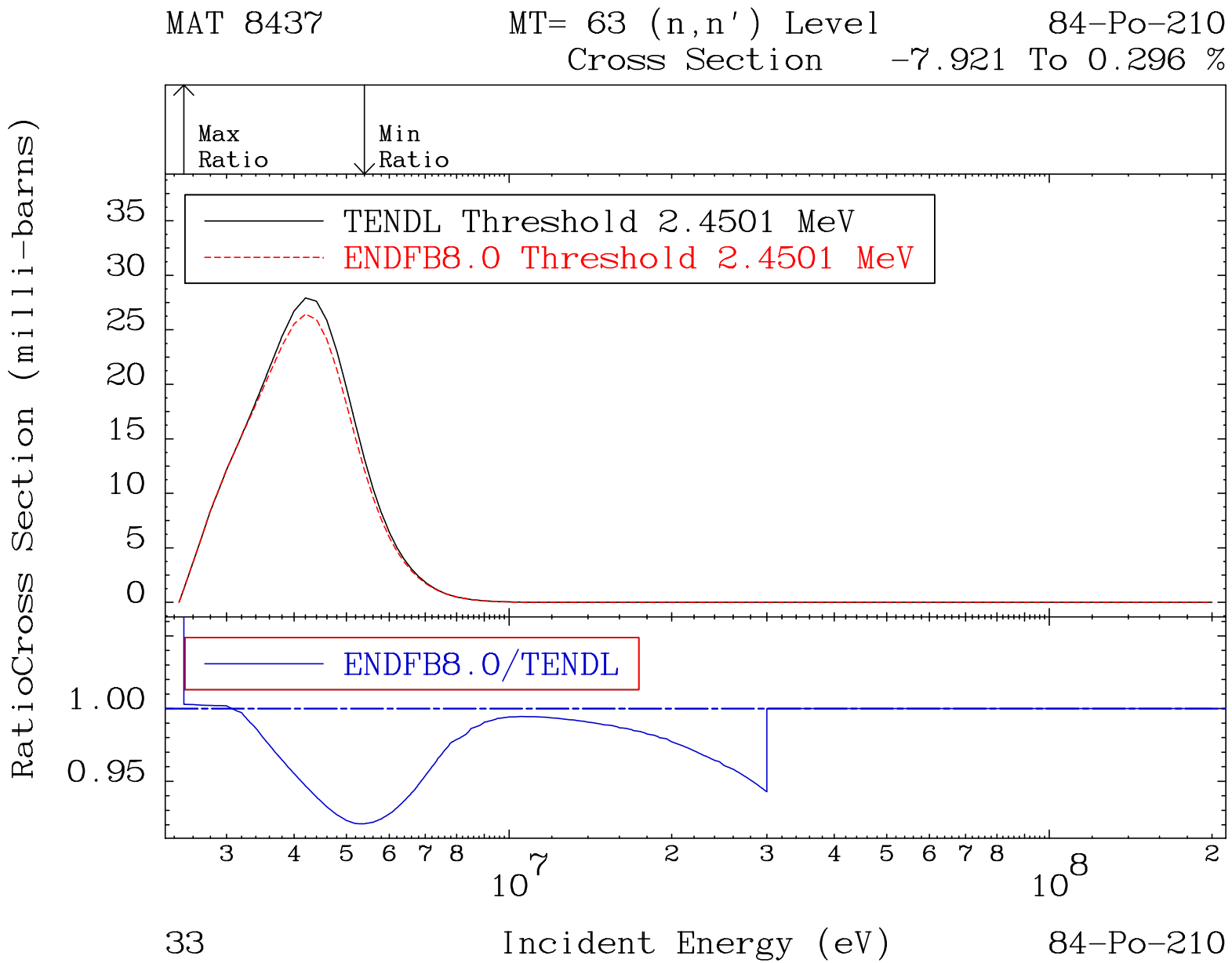

MAT 8437
MT= 58 (n,n') Level
84-Po-210
Cross Section
-100.0 To 0.426 %
Max
Ratio
TENDL Threshold 2.3940 MeV
ENDFB8.0 Threshold 2.3940 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.2
0.6
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
84-Po-210

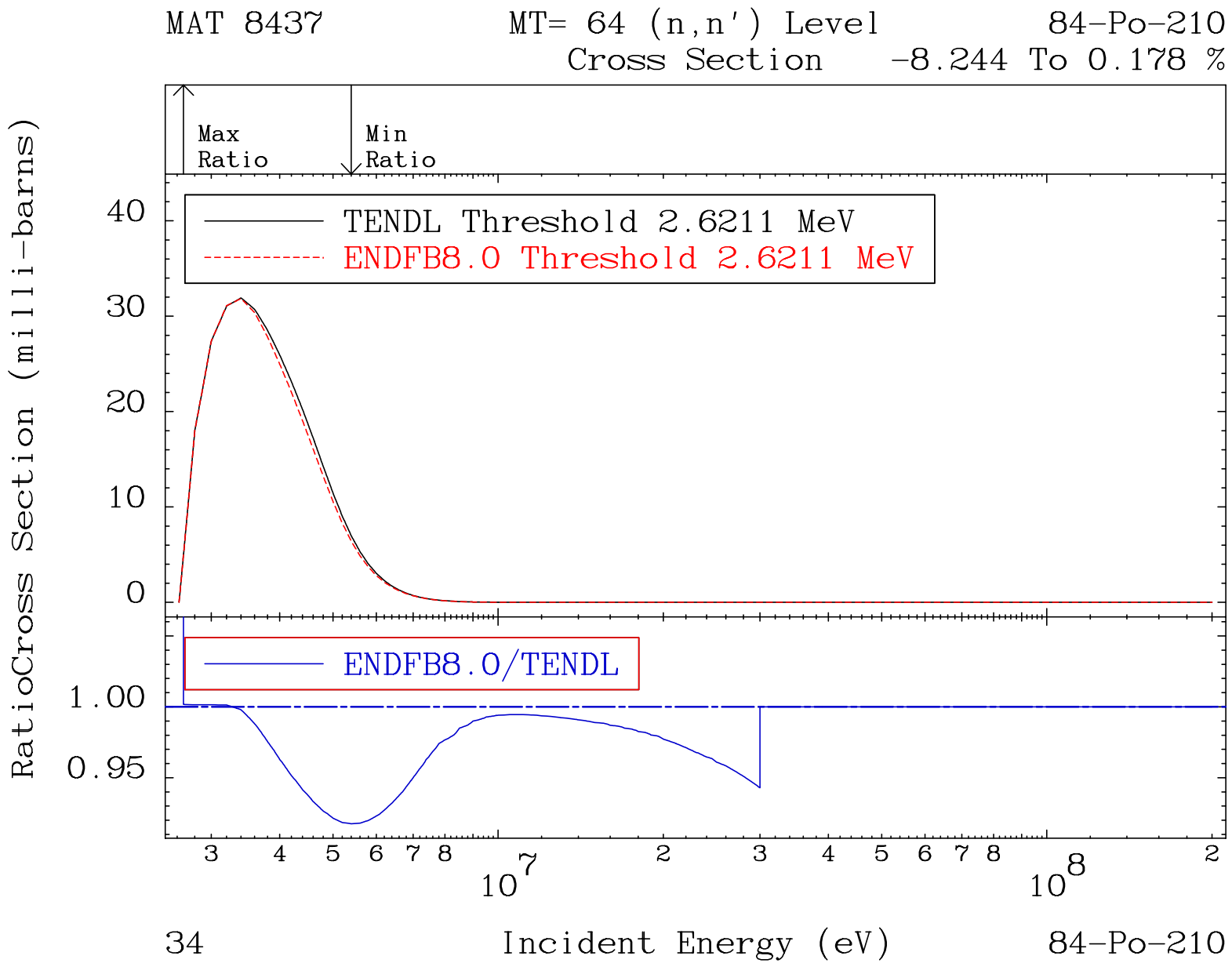

MAT 8437
MT= 59 (n,n') Level
84-Po-210
Cross Section
-5.899 To 0.340 %
Max Ratio
Min Ratio
TENDL Threshold 2.3983 MeV
ENDFB8.0 Threshold 2.3983 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.00
0.96
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
29
Incident Energy (eV)
84-Po-210

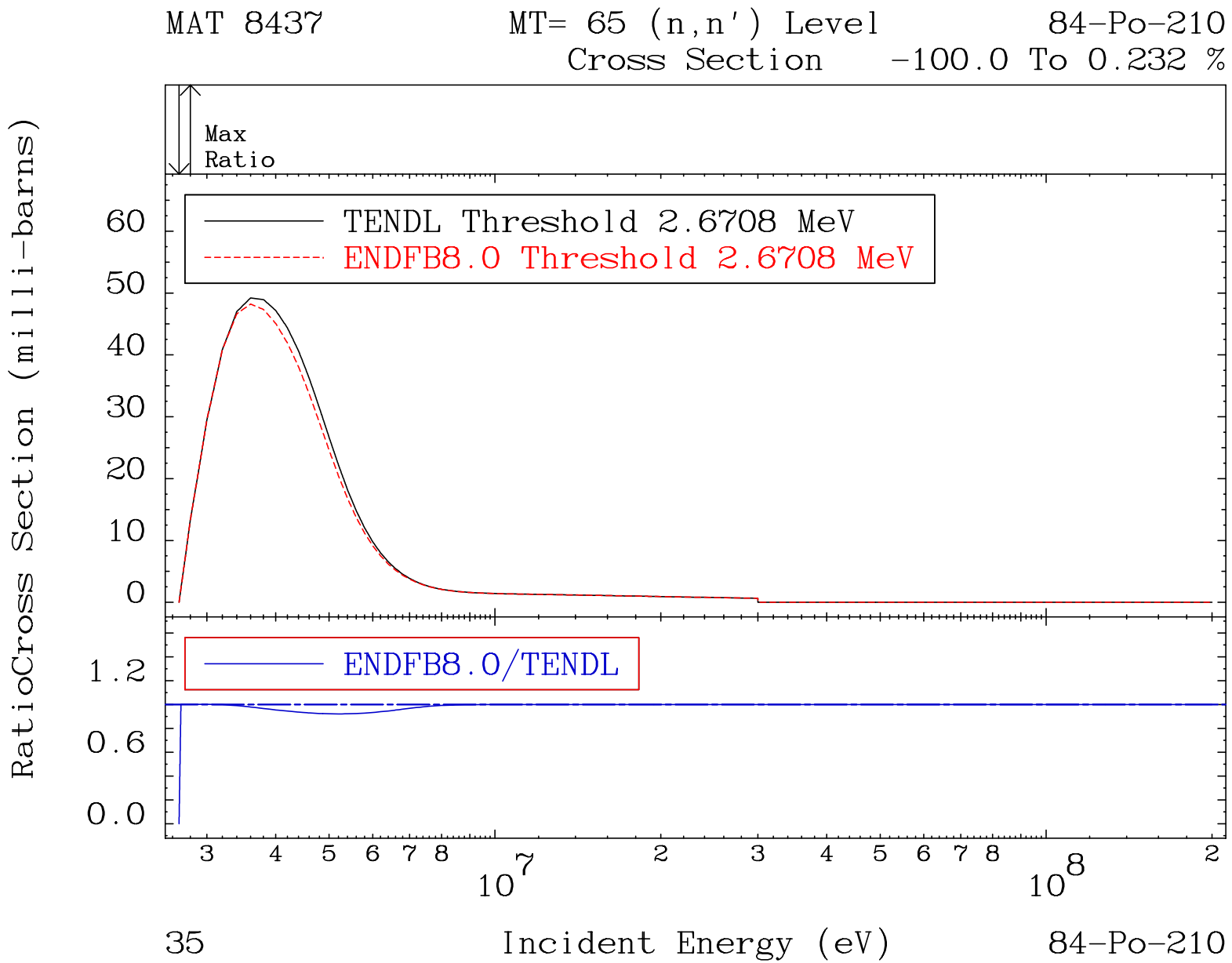

MAT 8437
MT= 60 (n,n') Level
84-Po-210
Cross Section -8.214 To 0.344 %
Max Ratio
Min Ratio
TENDL Threshold 2.4053 MeV
ENDFB8.0 Threshold 2.4053 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
1.05
1.00
0.95
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
30
Incident Energy (eV)
84-Po-210

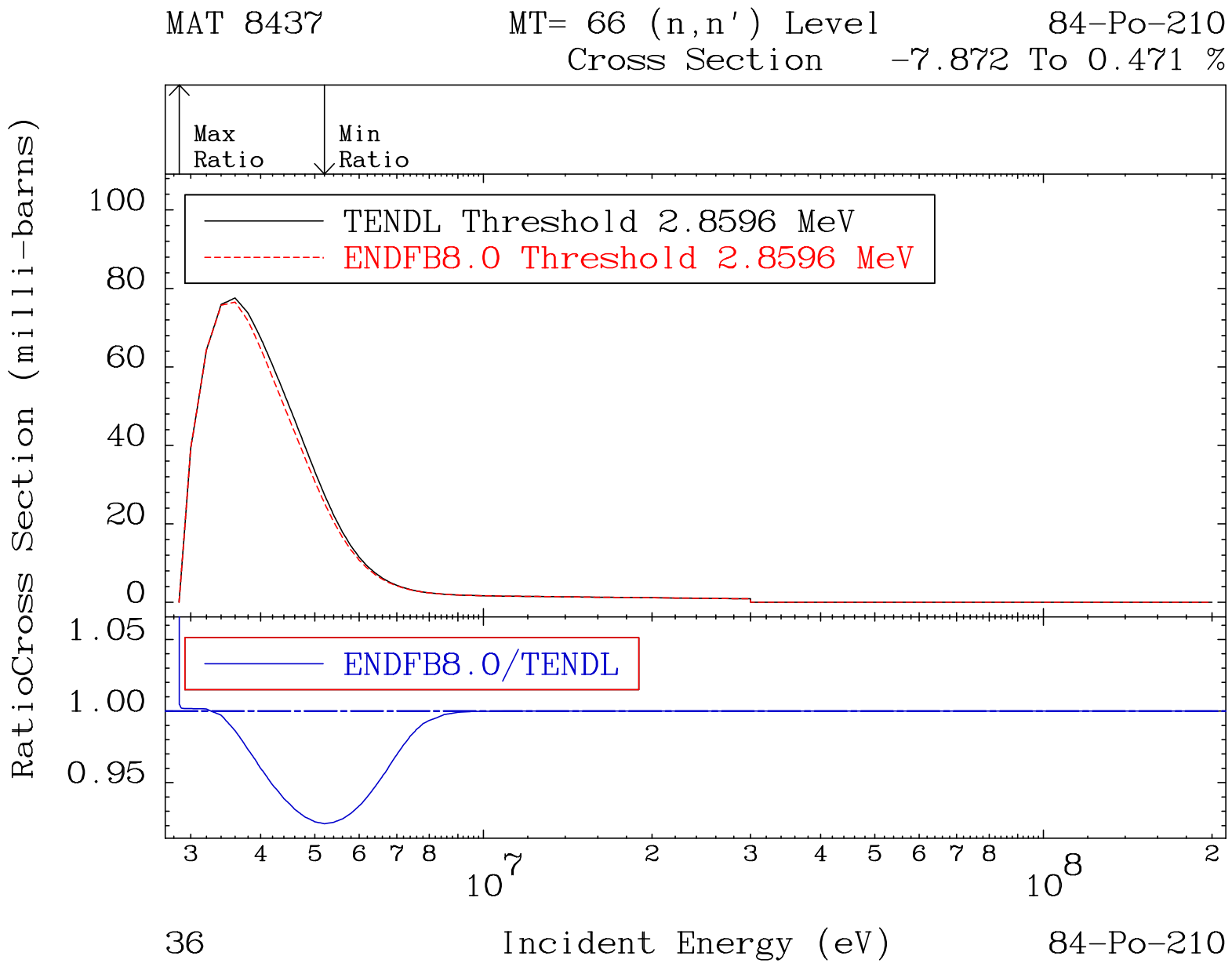

MAT 8437
MT= 61 (n,n') Level
84-Po-210
Cross Section
-8.037 To 0.384 %
Max Ratio
Min Ratio
TENDL Threshold 2.4148 MeV
ENDFB8.0 Threshold 2.4148 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.05
1.00
0.95
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
84-Po-210

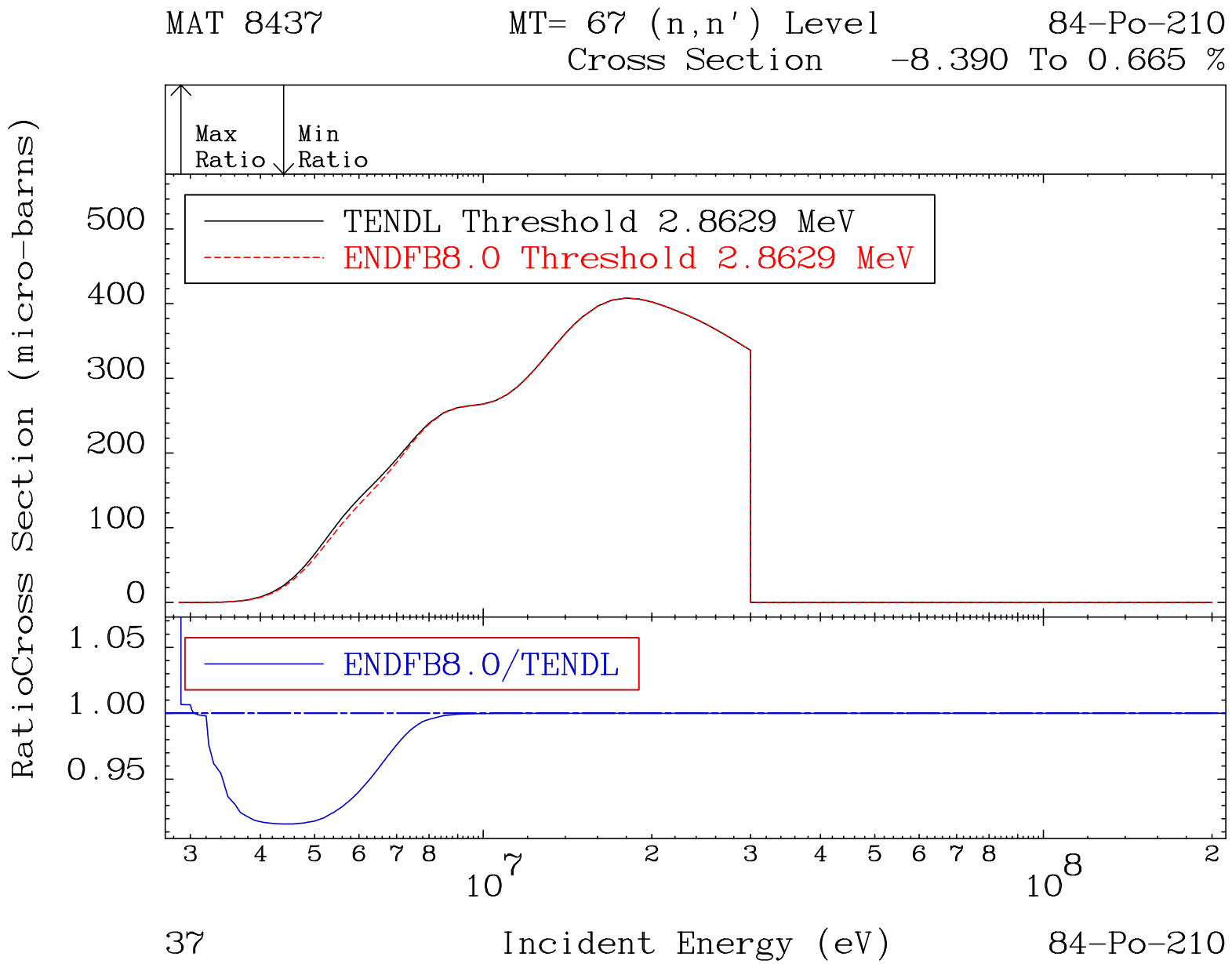

MAT 8437
MT= 62 (n,n') Level
84-Po-210
Cross Section -8.138 To 0.471 %
Max Ratio
Min Ratio
TENDL Threshold 2.4254 MeV
ENDFB8.0 Threshold 2.4254 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.05
1.00
0.95
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
84-Po-210

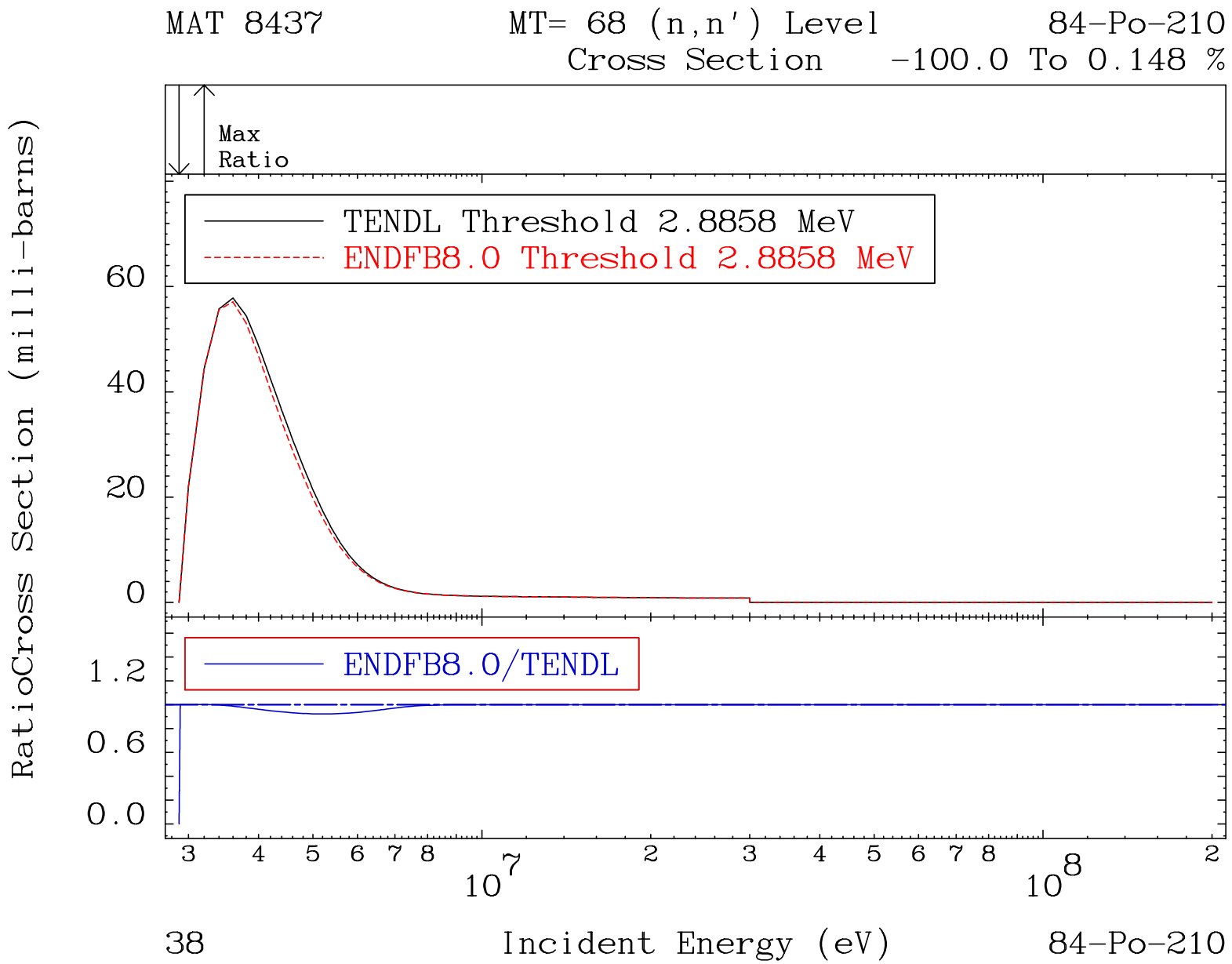

MAT 8437
MT= 63 (n,n') Level
84-Po-210
Cross Section
-7.921 To 0.296 %
Max Ratio
Min Ratio
TENDL Threshold 2.4501 MeV
ENDFB8.0 Threshold 2.4501 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
1.00
0.95
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
33
Incident Energy (eV)
84-Po-210

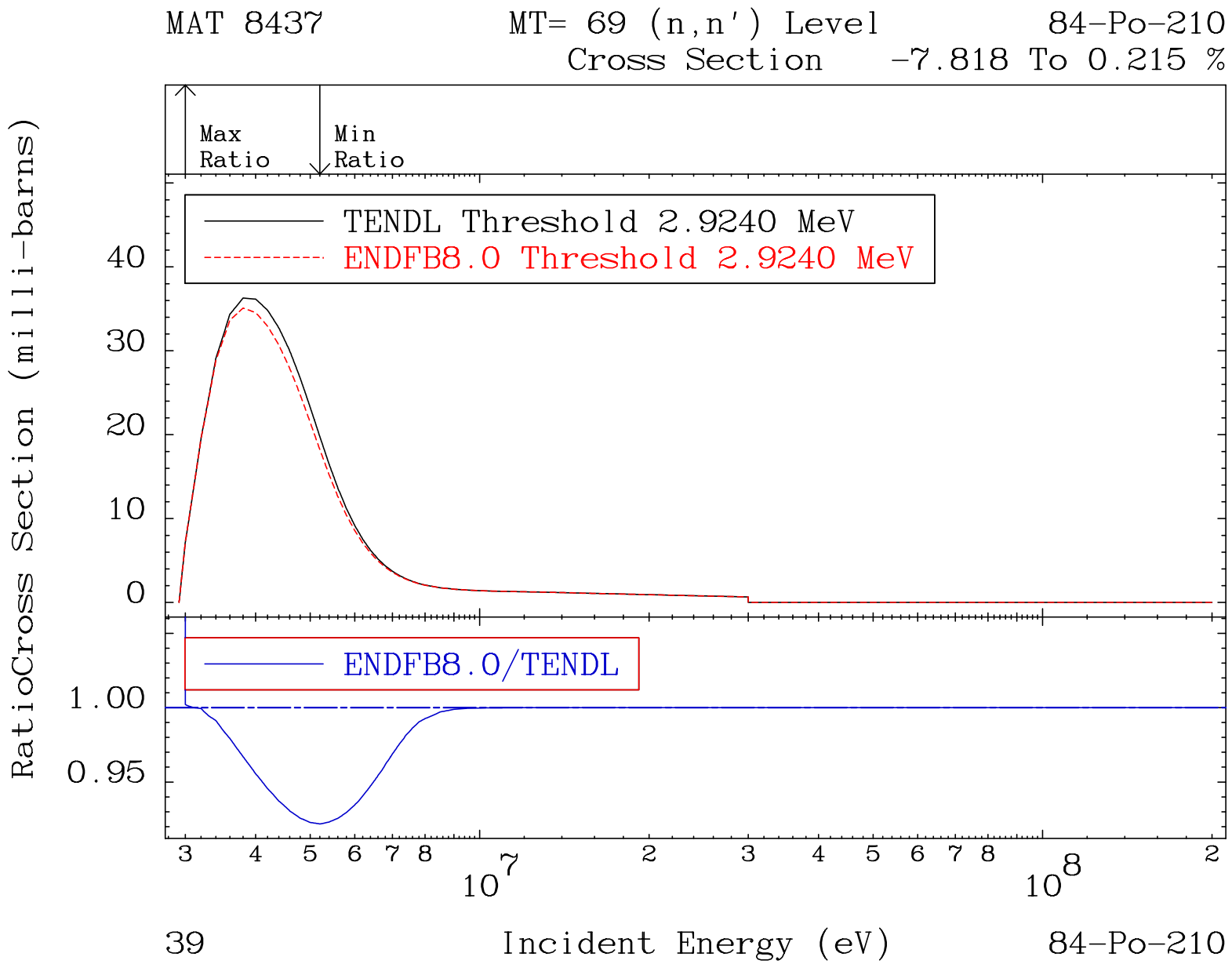

MAT 8437
MT= 64 (n,n') Level
84-Po-210
Cross Section -8.244 To 0.178 %
Max Ratio
Min Ratio
TENDL Threshold 2.6211 MeV
ENDFB8.0 Threshold 2.6211 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.00
0.95
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
34
Incident Energy (eV)
84-Po-210

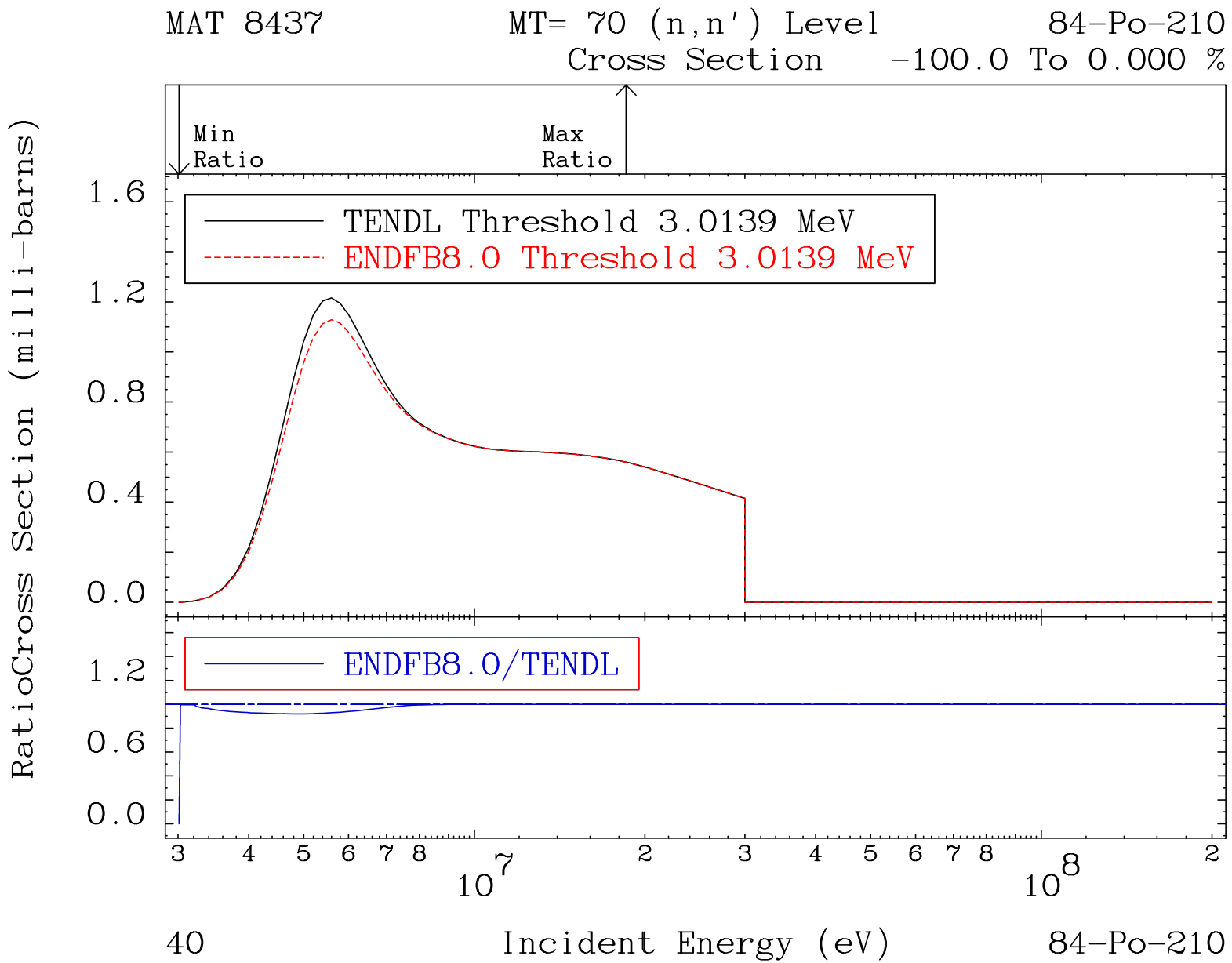

MAT 8437
MT= 65 (n,n') Level
84-Po-210
Cross Section
-100.0 To 0.232 %
Max
Ratio
TENDL Threshold 2.6708 MeV
ENDFB8.0 Threshold 2.6708 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.6
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
84-Po-210

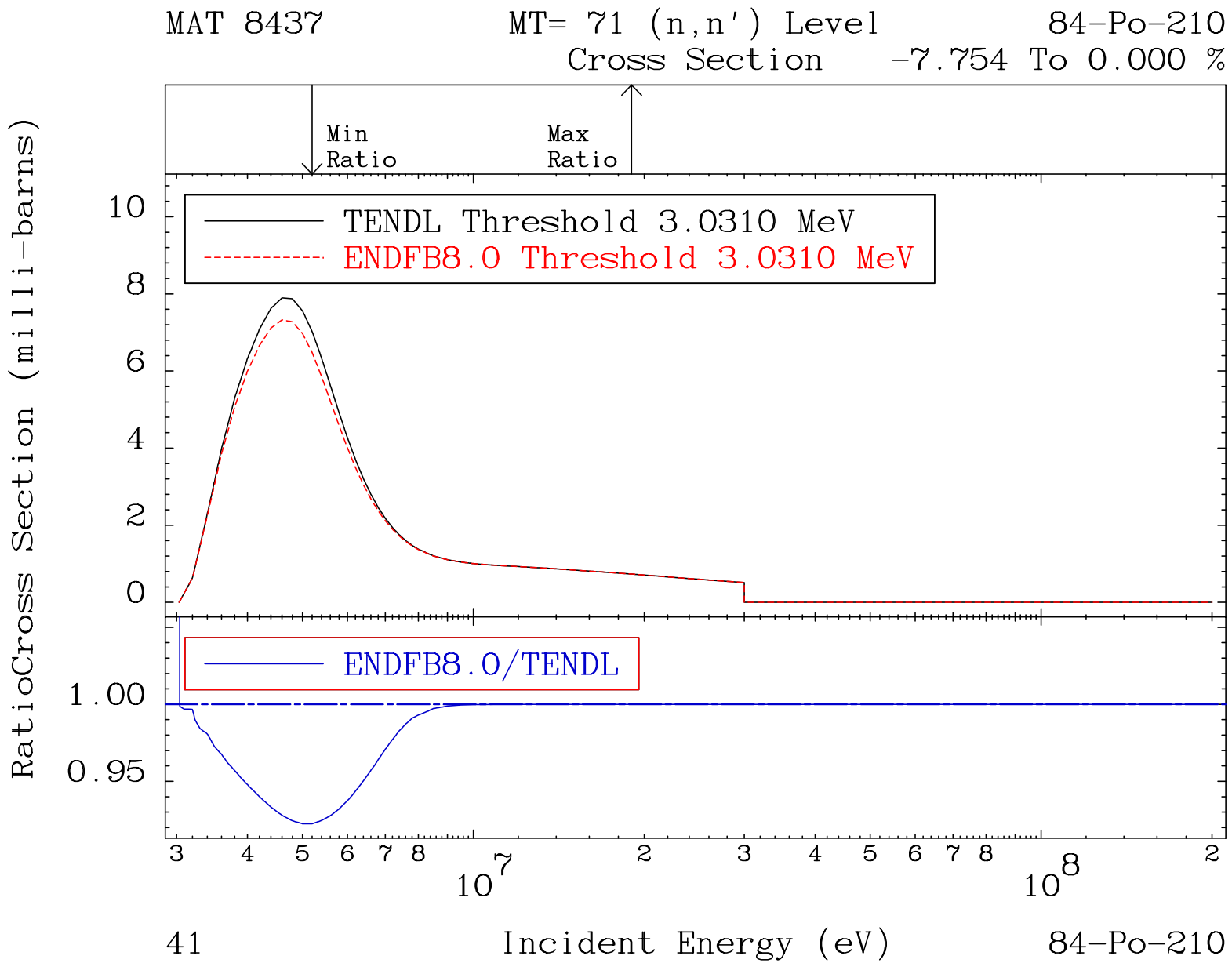

MAT 8437
MT= 66 (n,n') Level
84-Po-210
Cross Section -7.872 To 0.471 %
Max Ratio
Min Ratio
TENDL Threshold 2.8596 MeV
ENDFB8.0 Threshold 2.8596 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.05
1.00
0.95
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
36
Incident Energy (eV)
84-Po-210

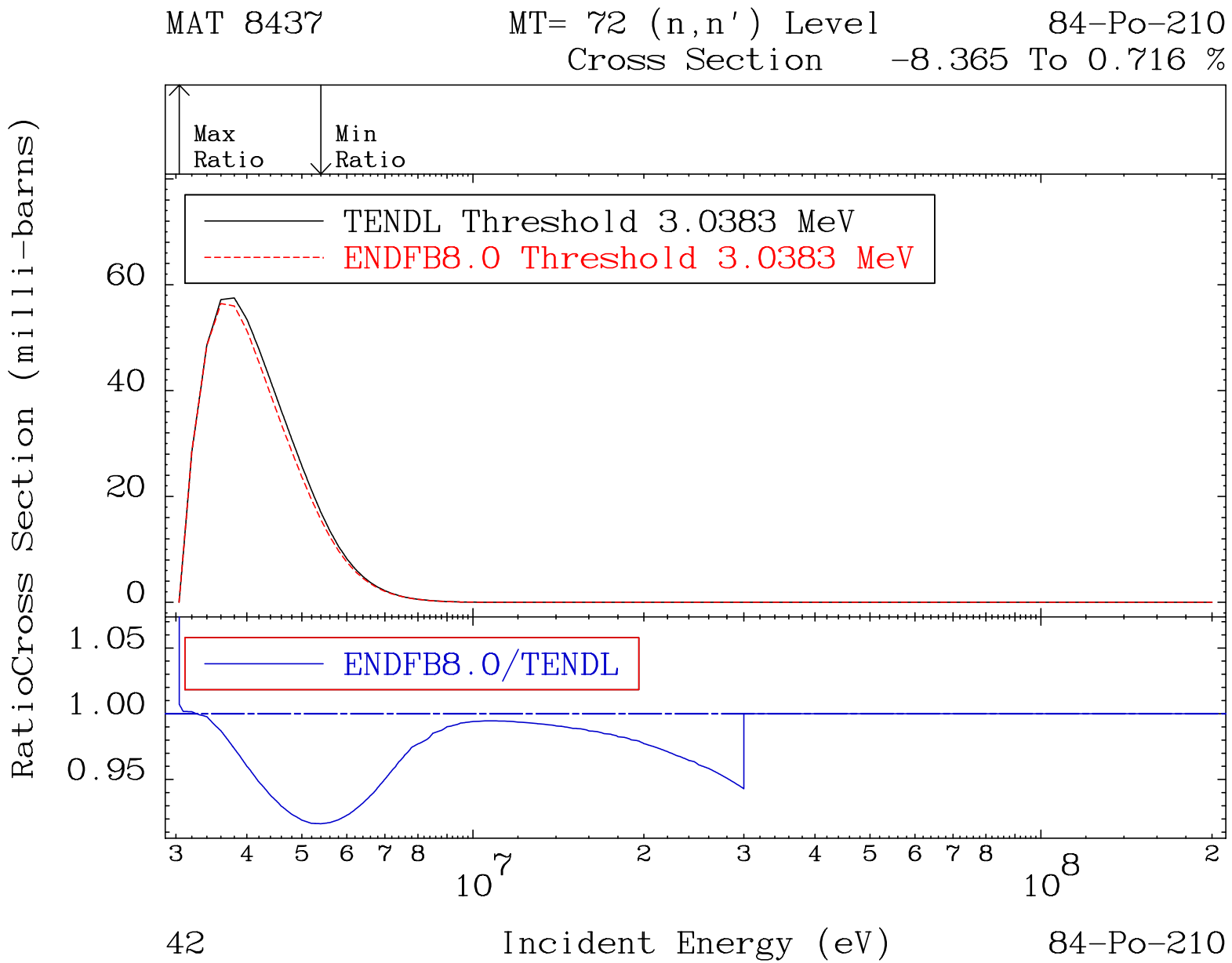

MAT 8437
MT= 67 (n,n') Level
84-Po-210
Cross Section
-8.390 To 0.665 %
Max Ratio
Min Ratio
TENDL Threshold 2.8629 MeV
ENDFB8.0 Threshold 2.8629 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
500
400
300
200
100
0
1.05
1.00
0.95
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
37
Incident Energy (eV)
84-Po-210

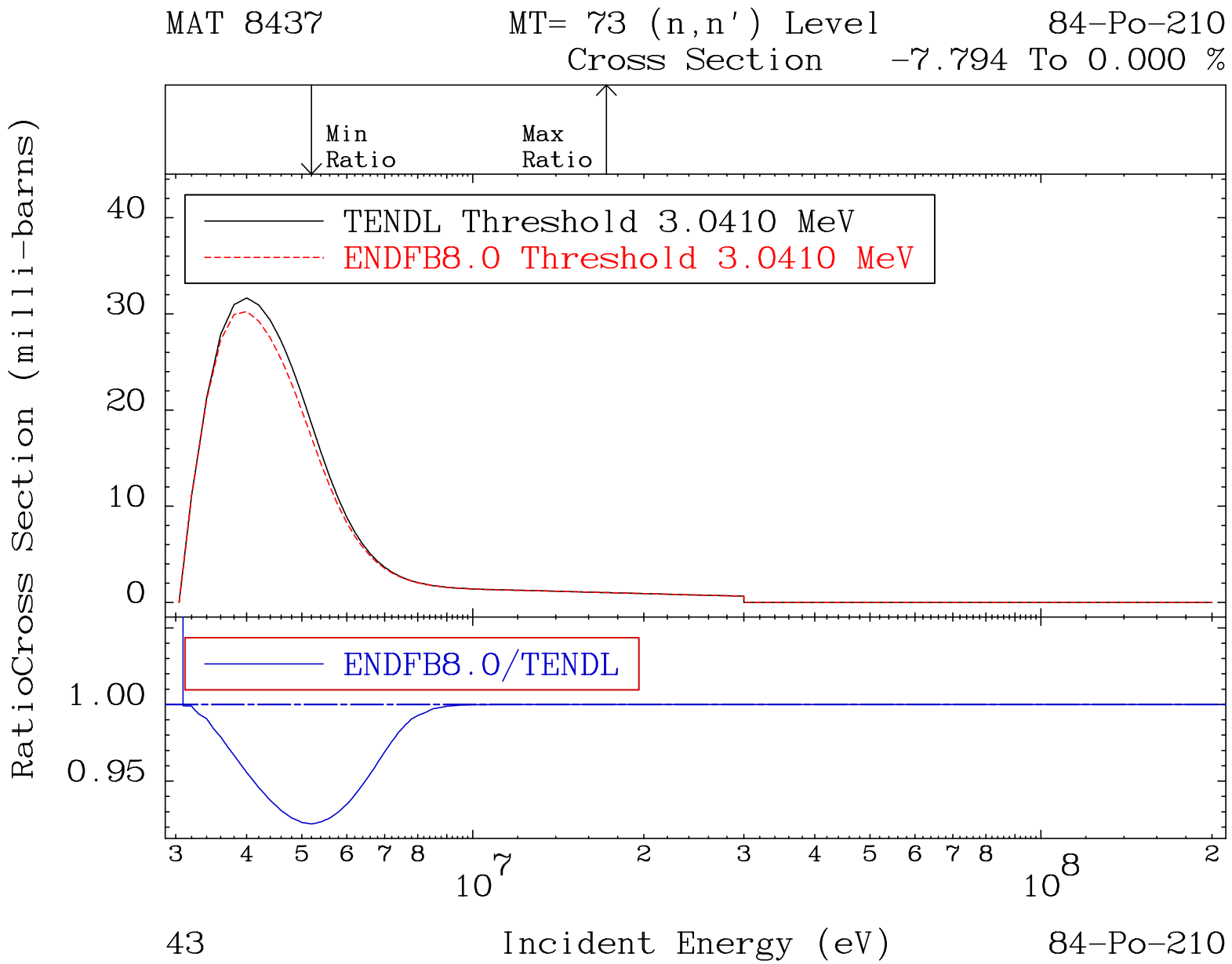

MAT 8437
MT= 68 (n,n') Level
84-Po-210
Cross Section
-100.0 To 0.148 %
Max
Ratio
TENDL Threshold 2.8858 MeV
ENDFB8.0 Threshold 2.8858 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
38
Incident Energy (eV)
84-Po-210

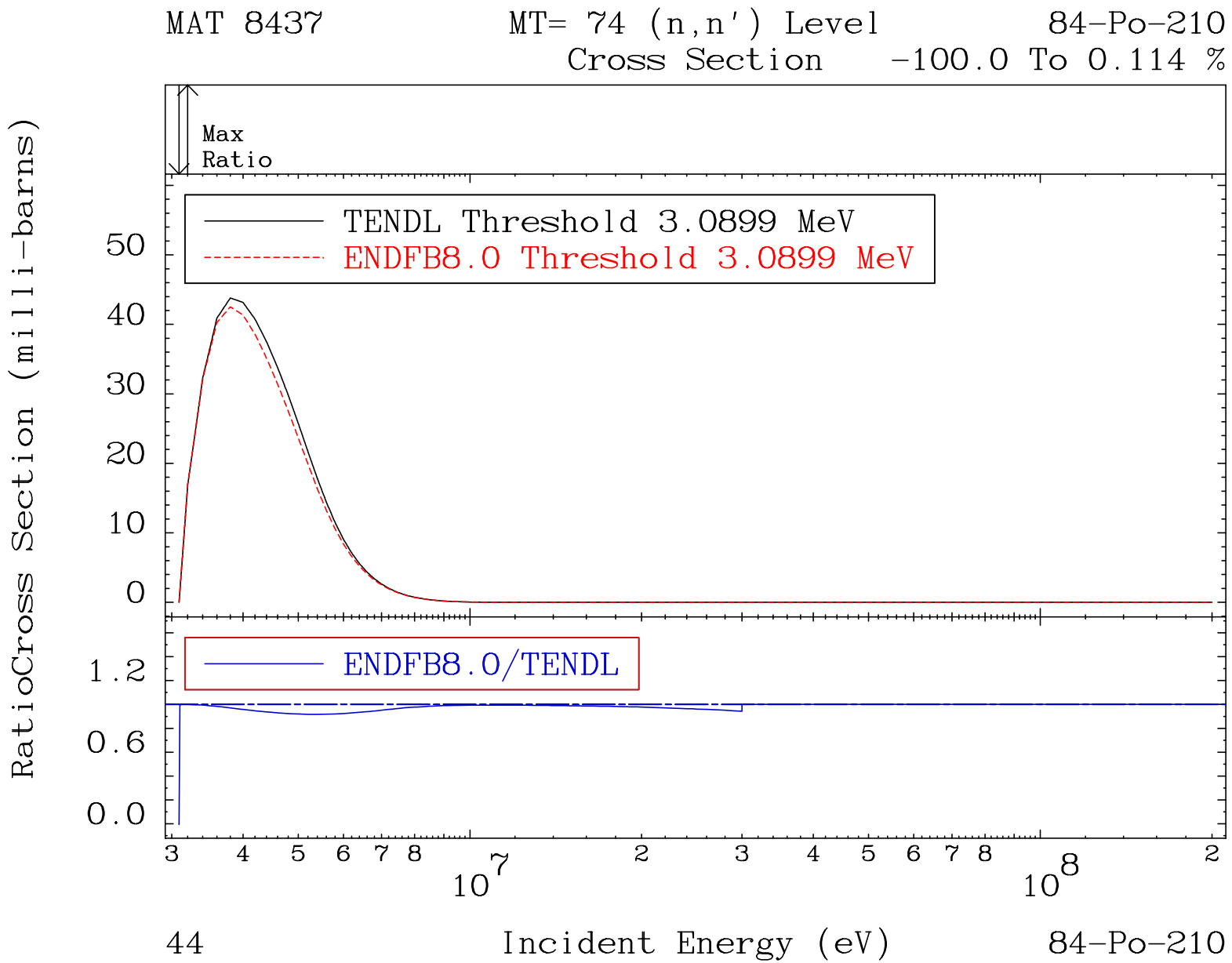

MAT 8437
MT= 69 (n,n') Level
84-Po-210
Cross Section
-7.818 To 0.215 %
Max Ratio
Min Ratio
TENDL Threshold 2.9240 MeV
ENDFB8.0 Threshold 2.9240 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.00
0.95
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
39
Incident Energy (eV)
84-Po-210

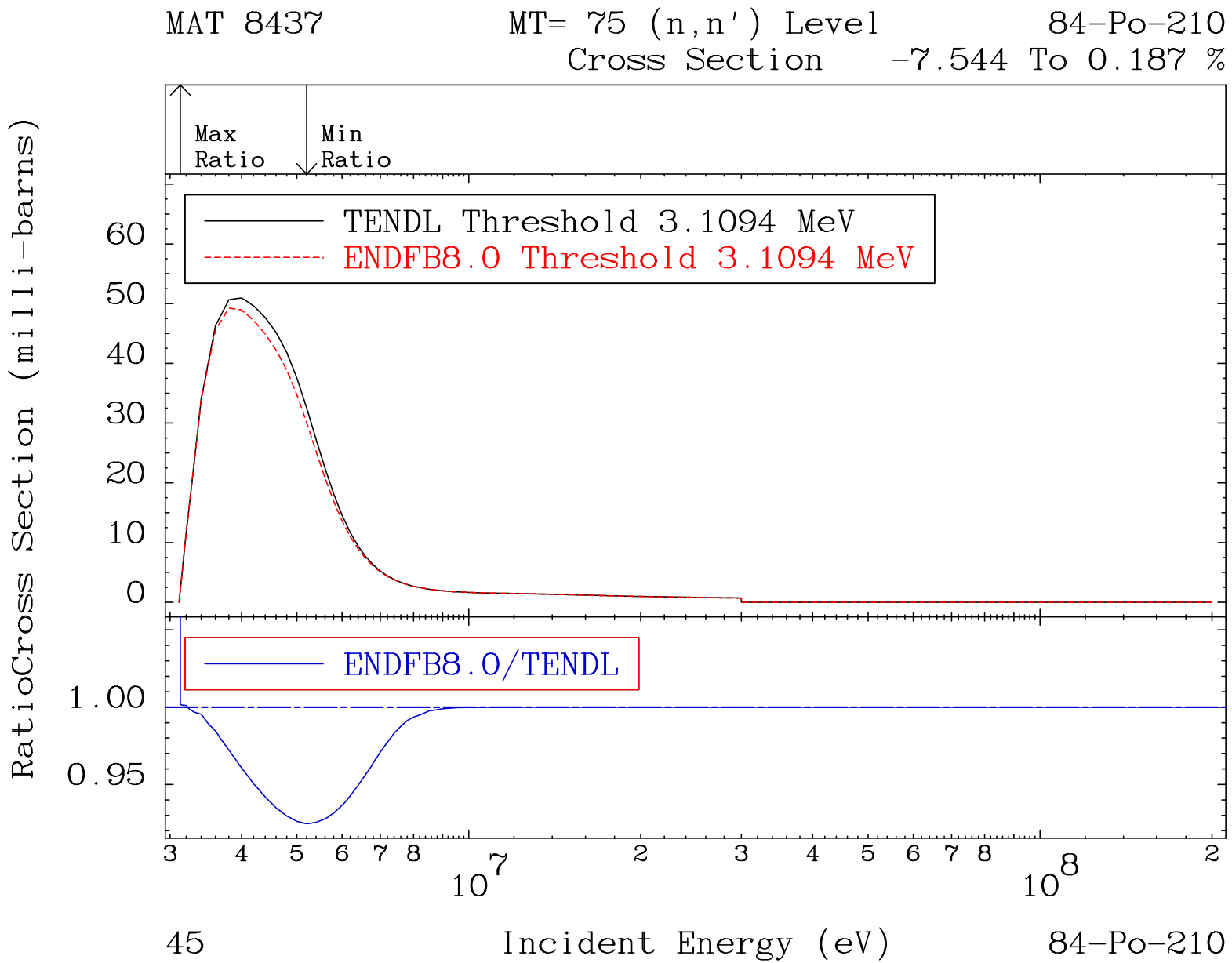

MAT 8437
MT= 70 (n,n') Level
84-Po-210
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 3.0139 MeV
ENDFB8.0 Threshold 3.0139 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
40
Incident Energy (eV)
84-Po-210

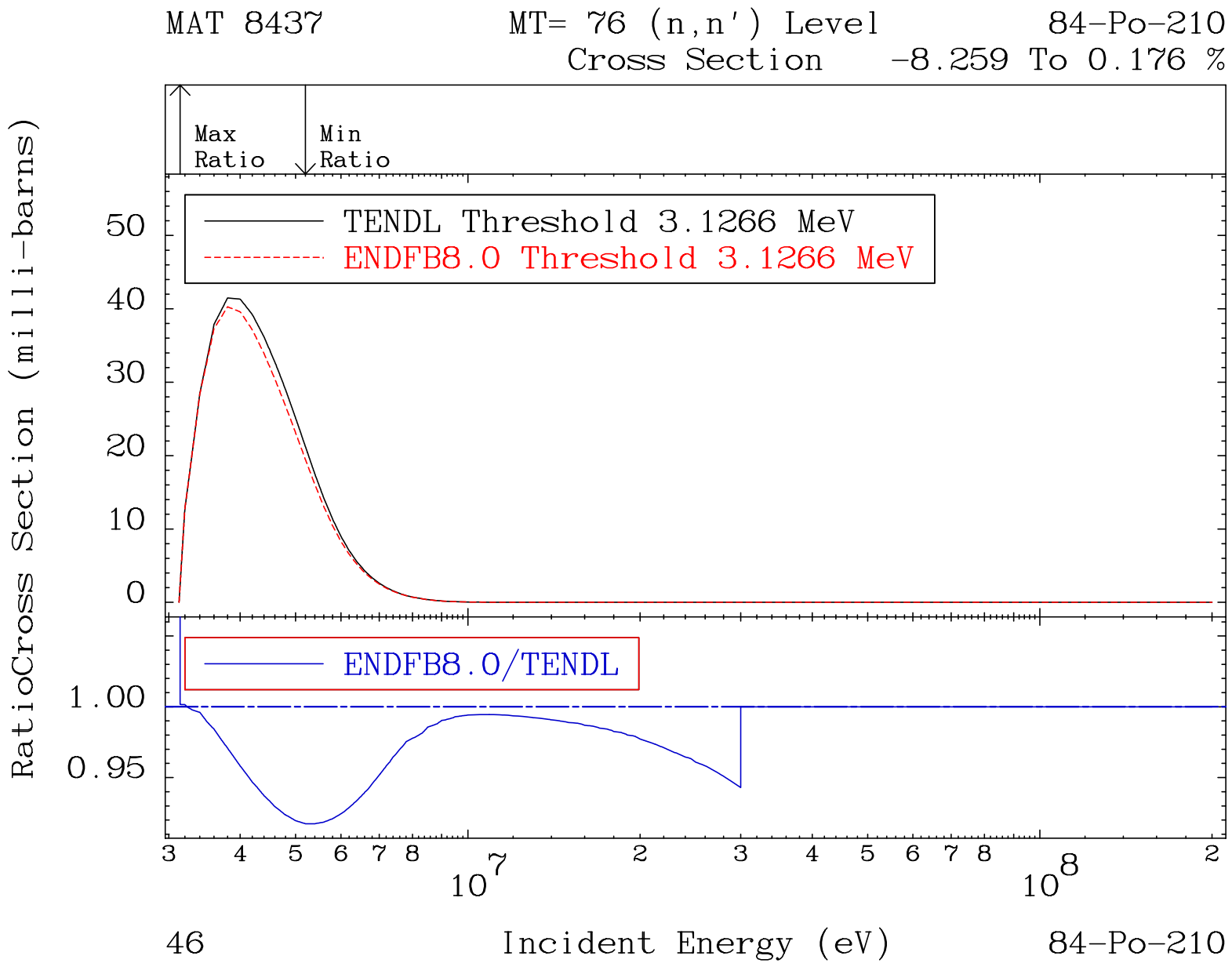

MAT 8437
MT= 71 (n,n') Level
84-Po-210
Cross Section -7.754 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 3.0310 MeV
ENDFB8.0 Threshold 3.0310 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
1.00
0.95
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
41
Incident Energy (eV)
84-Po-210

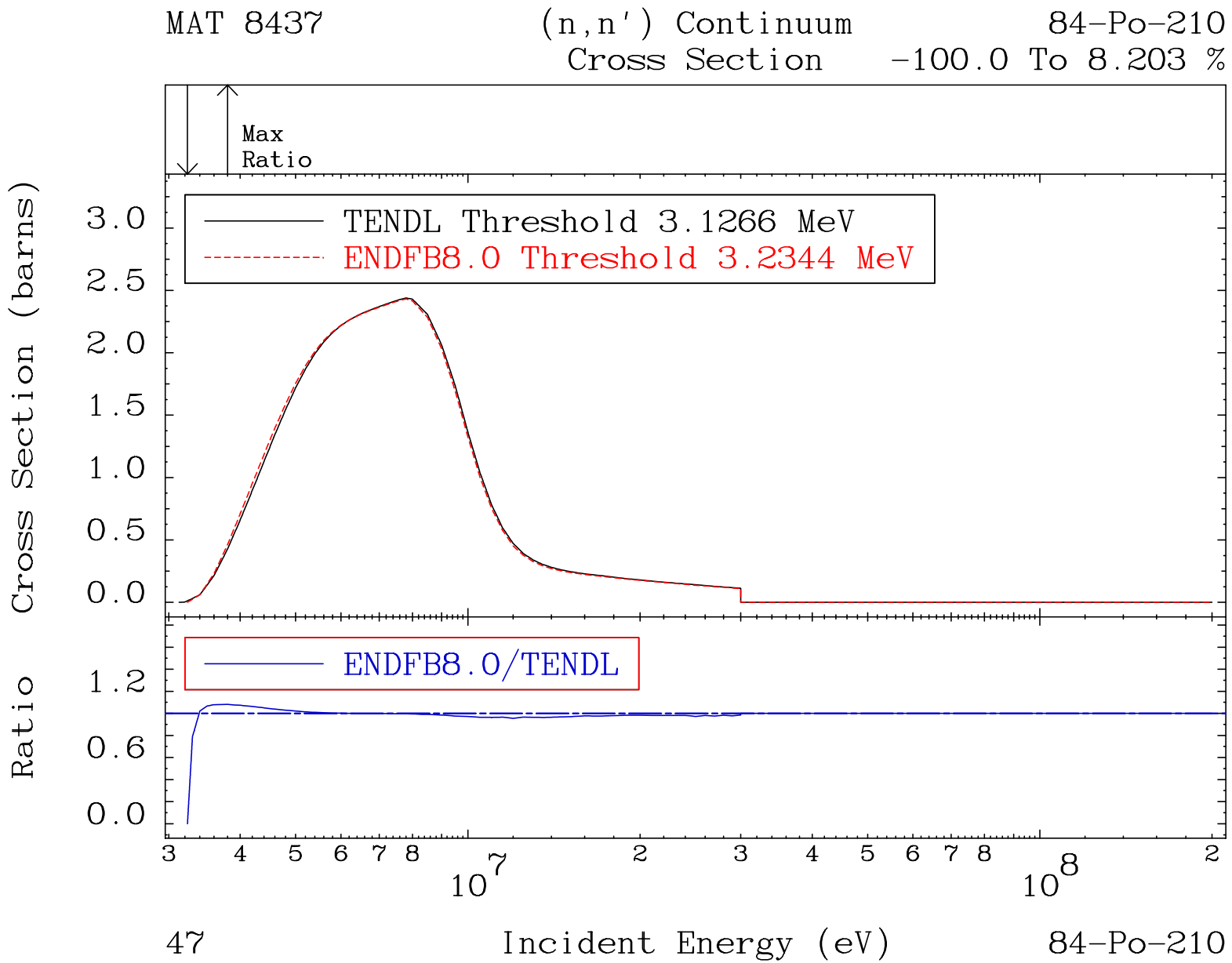

MAT 8437
MT= 72 (n,n') Level
84-Po-210
Cross Section -8.365 To 0.716 %
Max Ratio
Min Ratio
TENDL Threshold 3.0383 MeV
ENDFB8.0 Threshold 3.0383 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
1.05
1.00
0.95
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
42
Incident Energy (eV)
84-Po-210

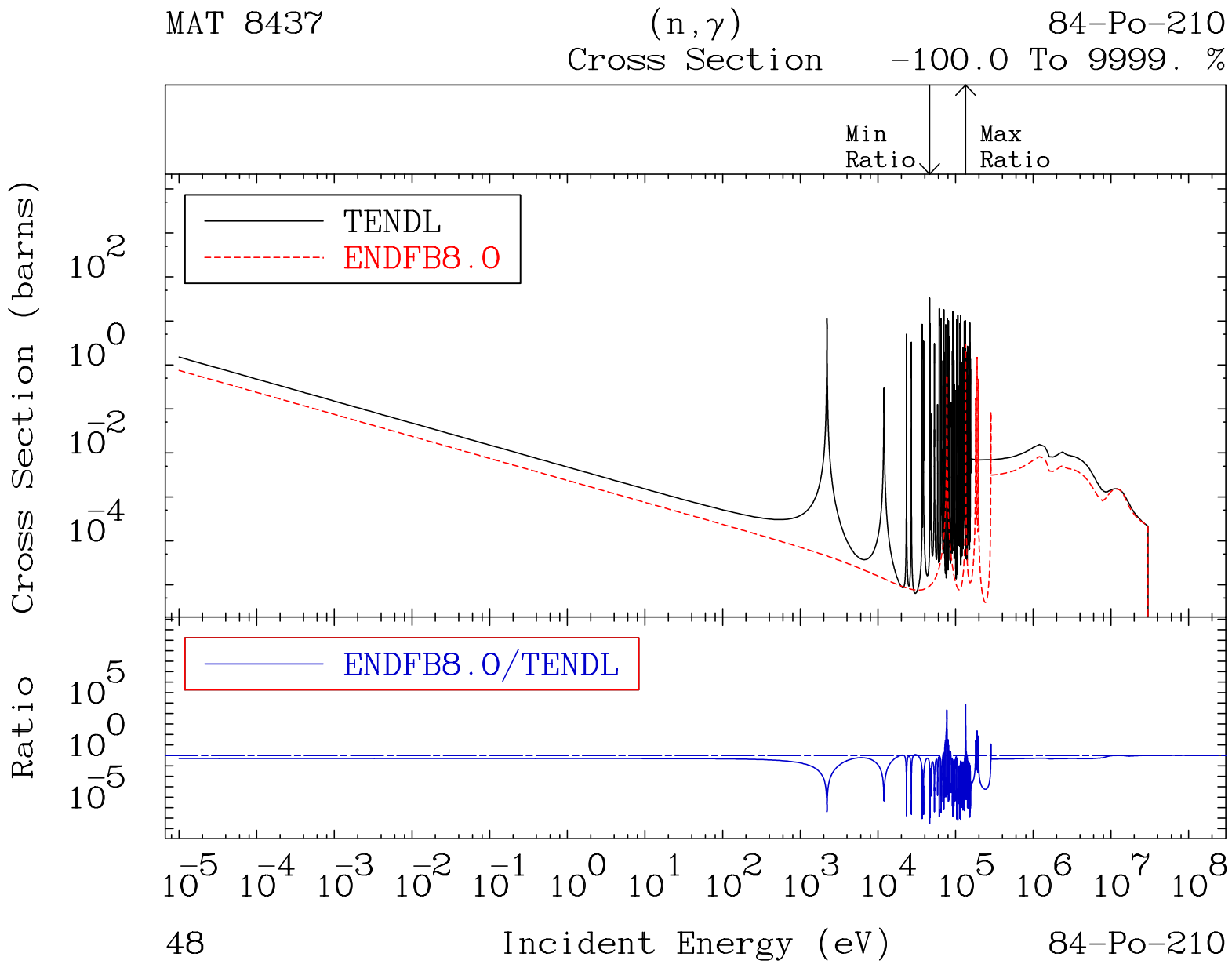

MAT 8437
MT= 73 (n,n') Level
84-Po-210
Cross Section -7.794 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 3.0410 MeV
ENDFB8.0 Threshold 3.0410 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.00
0.95
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
43
Incident Energy (eV)
84-Po-210

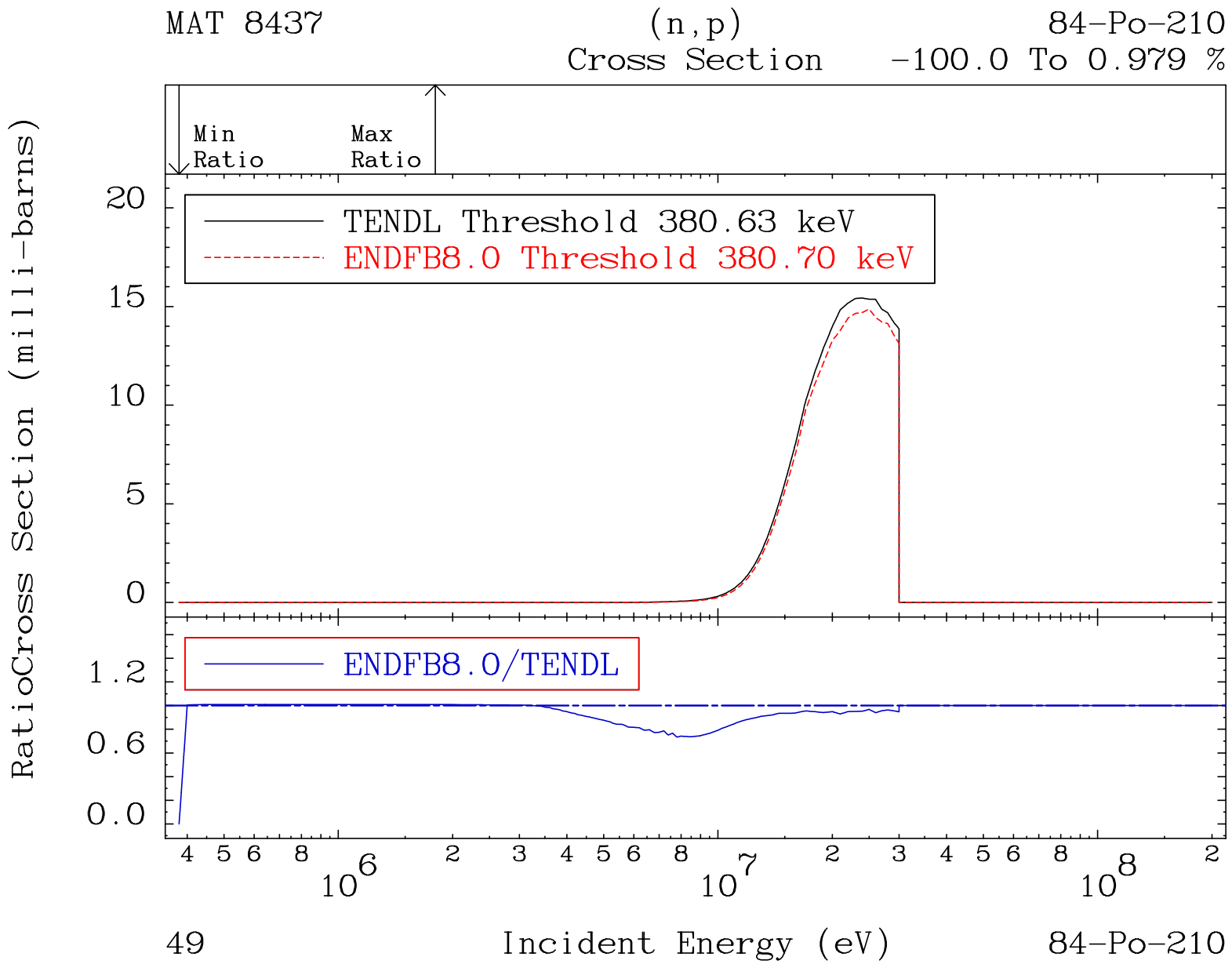

MAT 8437
MT= 74 (n,n') Level
84-Po-210
Cross Section
-100.0 To 0.114 %
Max
Ratio
TENDL Threshold 3.0899 MeV
ENDFB8.0 Threshold 3.0899 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.2
0.6
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
44
Incident Energy (eV)
84-Po-210

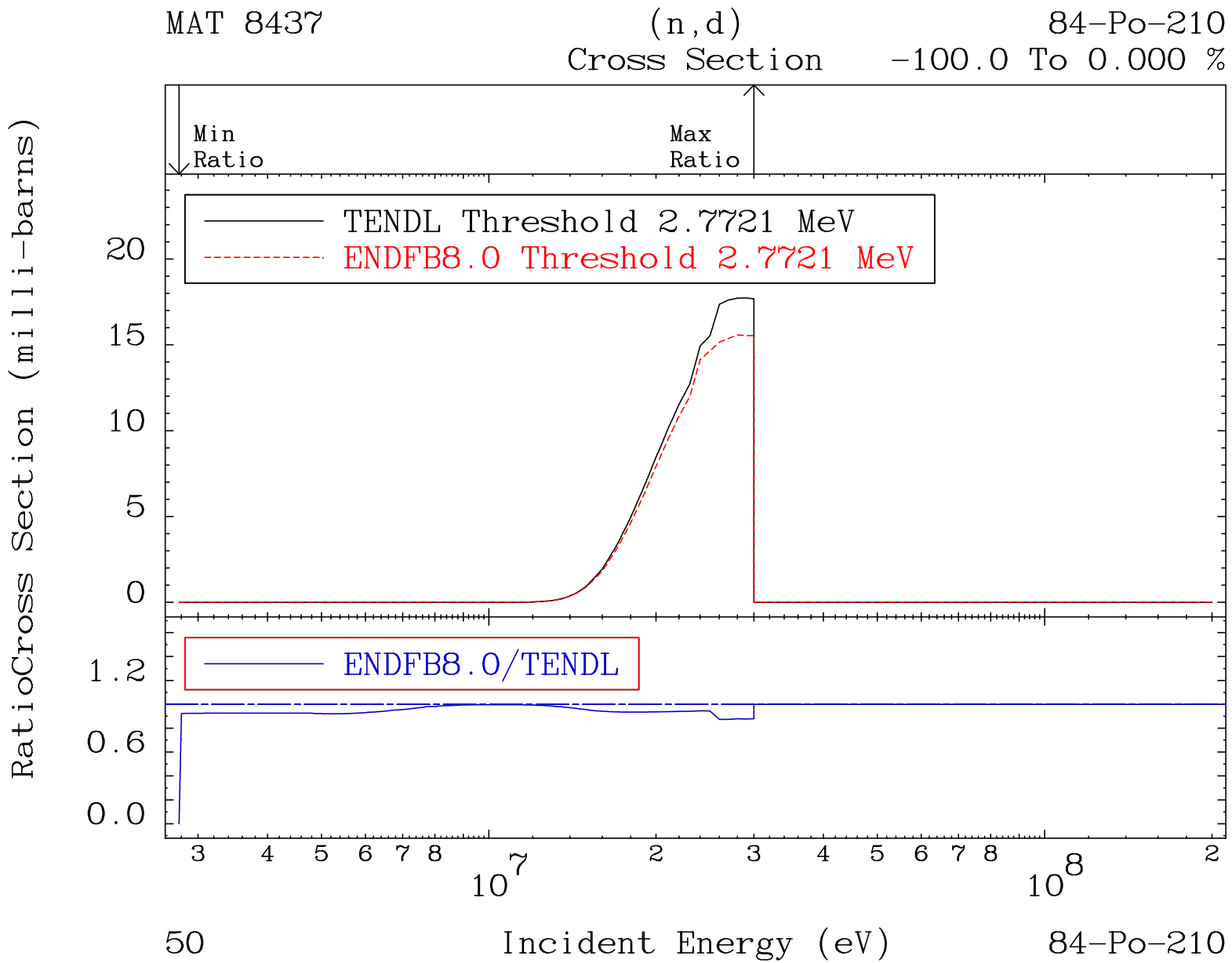

MAT 8437
MT= 75 (n,n') Level
84-Po-210
Cross Section -7.544 To 0.187 %
Max Ratio
Min Ratio
TENDL Threshold 3.1094 MeV
ENDFB8.0 Threshold 3.1094 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.00
0.95
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
45
Incident Energy (eV)
84-Po-210

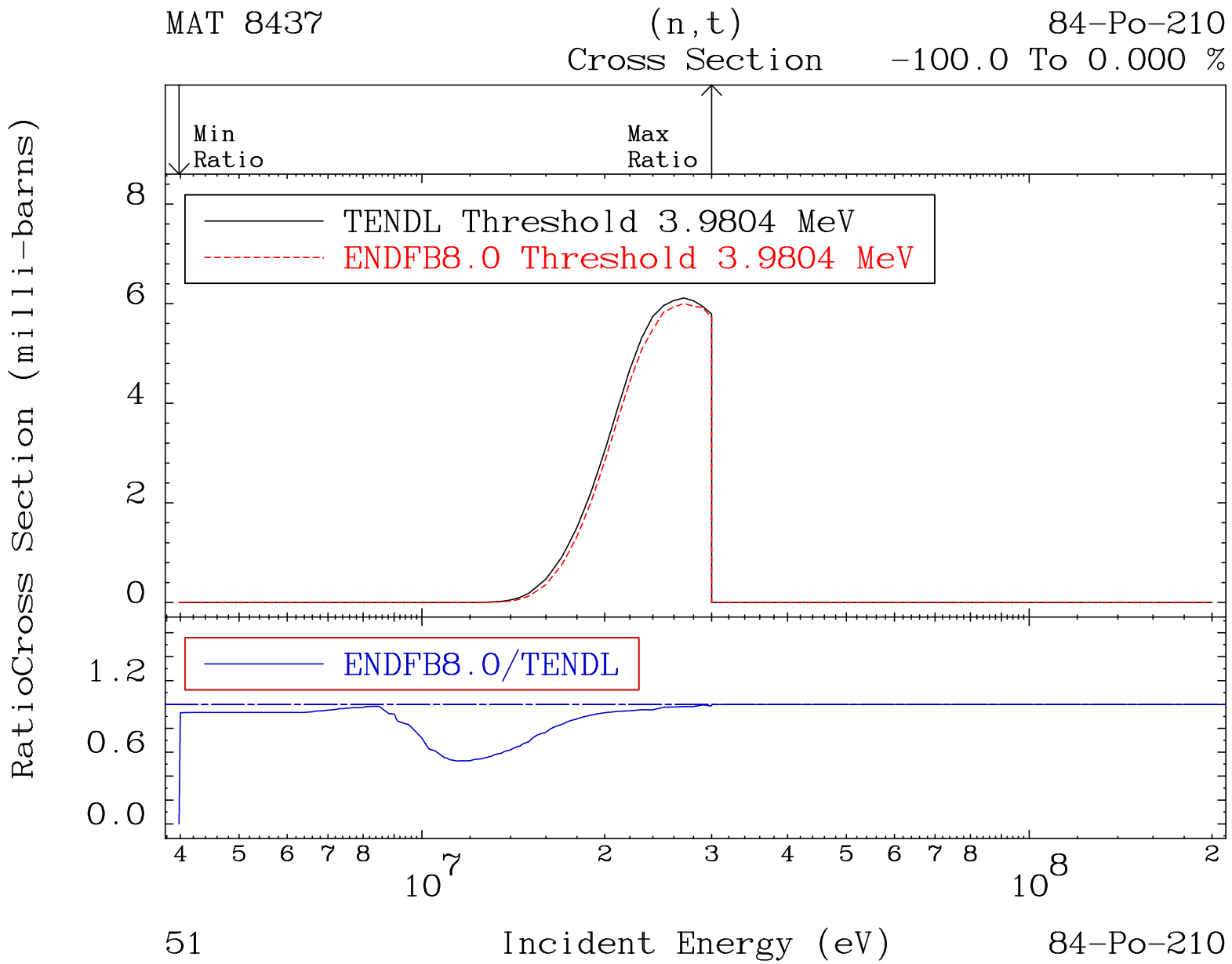

MAT 8437
MT= 76 (n,n') Level
84-Po-210
Cross Section -8.259 To 0.176 %
Max Ratio
Min Ratio
TENDL Threshold 3.1266 MeV
ENDFB8.0 Threshold 3.1266 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.00
0.95
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
46
Incident Energy (eV)
84-Po-210

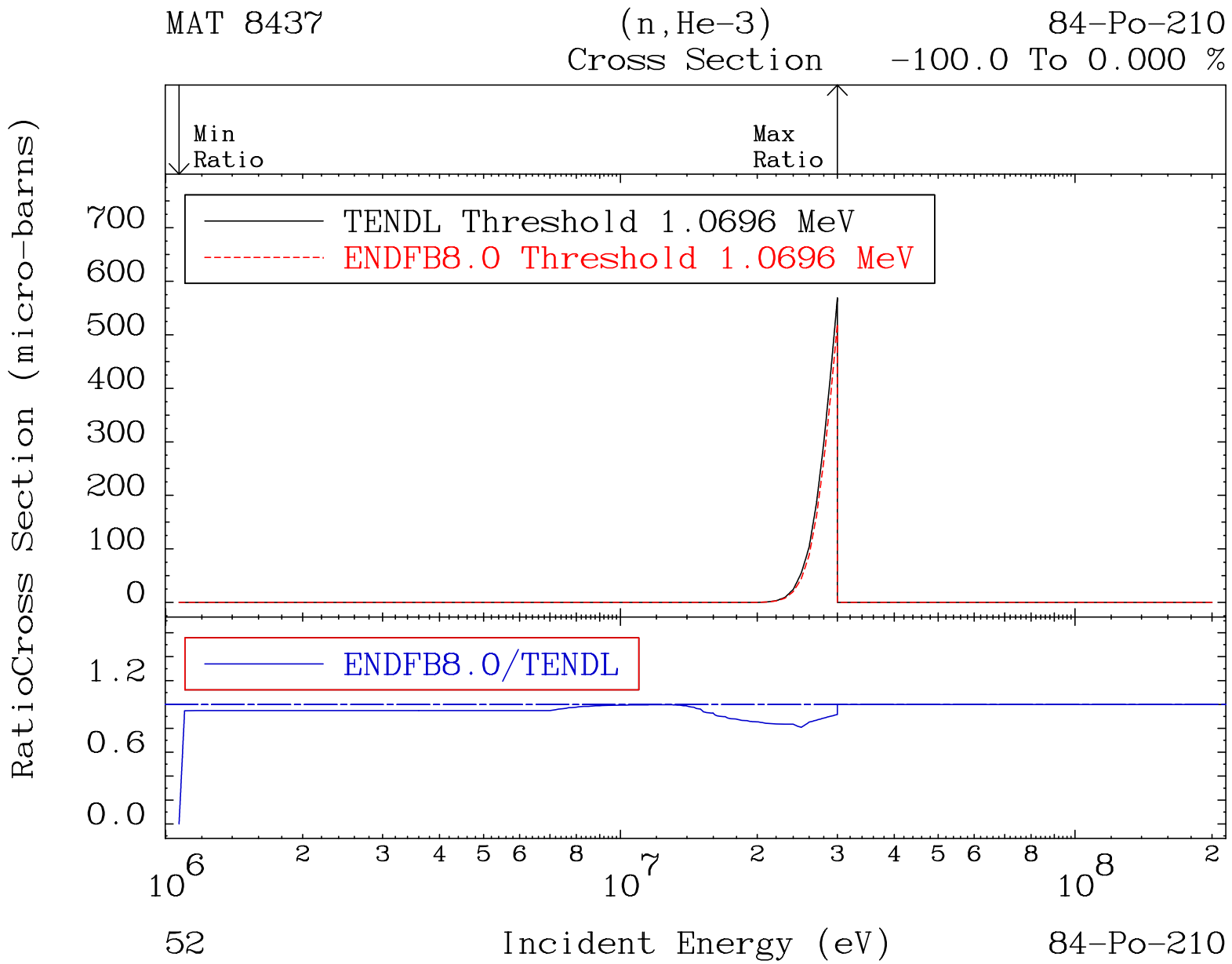

MAT 8437
(n,n') Continuum
Cross Section
84-Po-210
-100.0 To 8.203 %
Max
Ratio
TENDL Threshold 3.1266 MeV
ENDFB8.0 Threshold 3.2344 MeV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
47
Incident Energy (eV)
84-Po-210

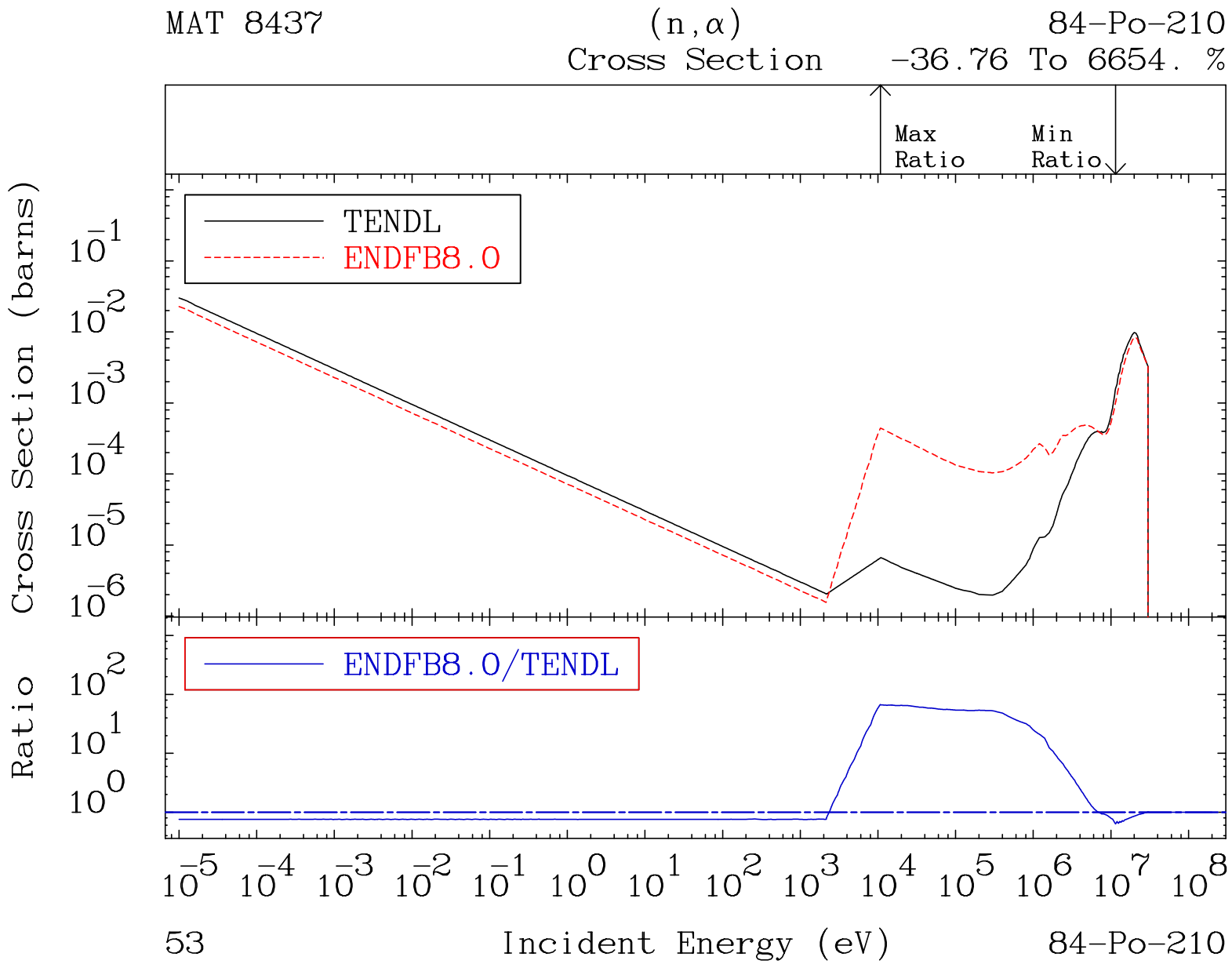

MAT 8437
(n,γ)
Cross Section
84-Po-210
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48
84-Po-210

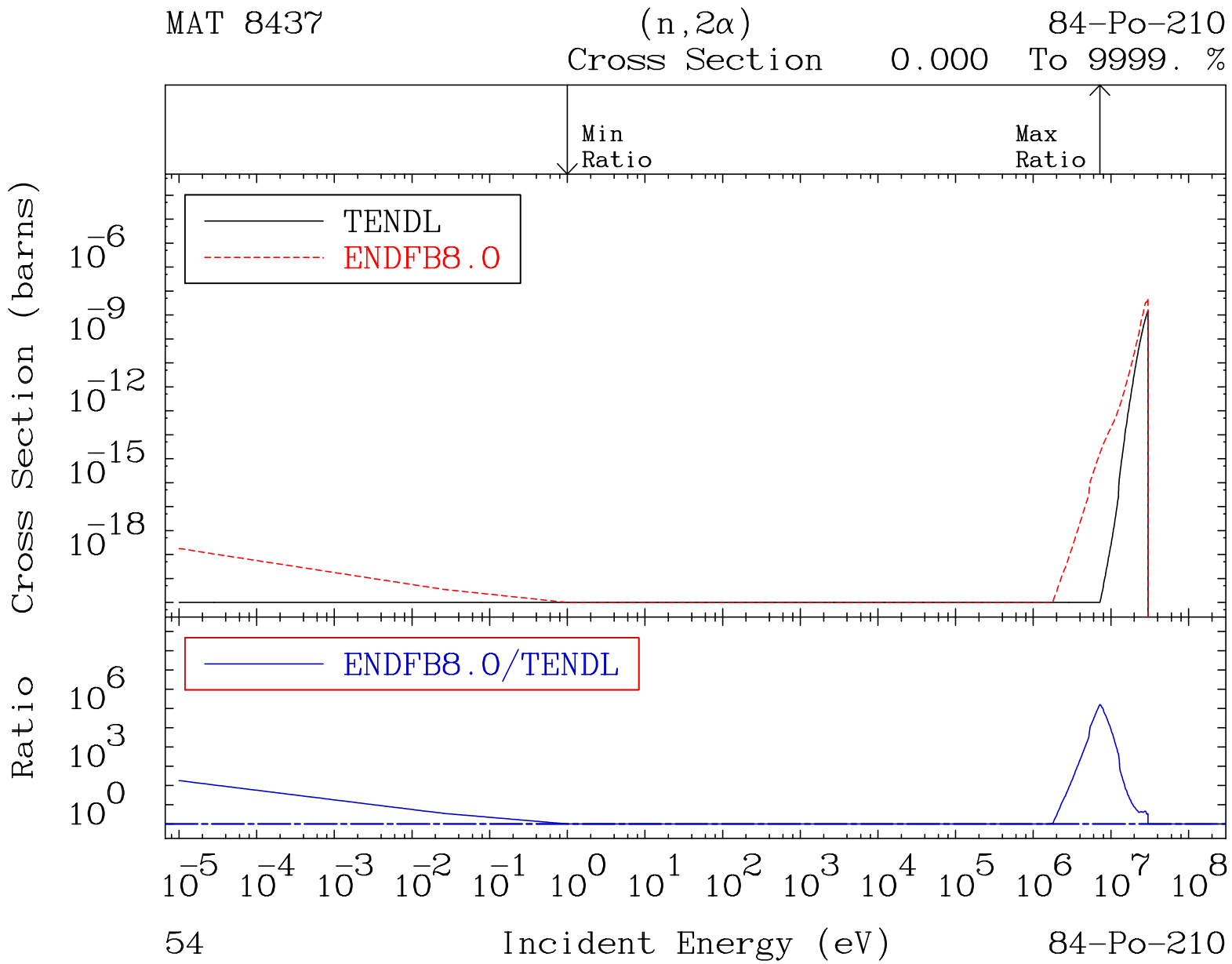

MAT 8437
(n,p)
84-Po-210
Cross Section
-100.0 To 0.979 %
Min Ratio
Max Ratio
TENDL Threshold 380.63 keV
ENDFB8.0 Threshold 380.70 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
1.2
0.6
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
49
Incident Energy (eV)
84-Po-210

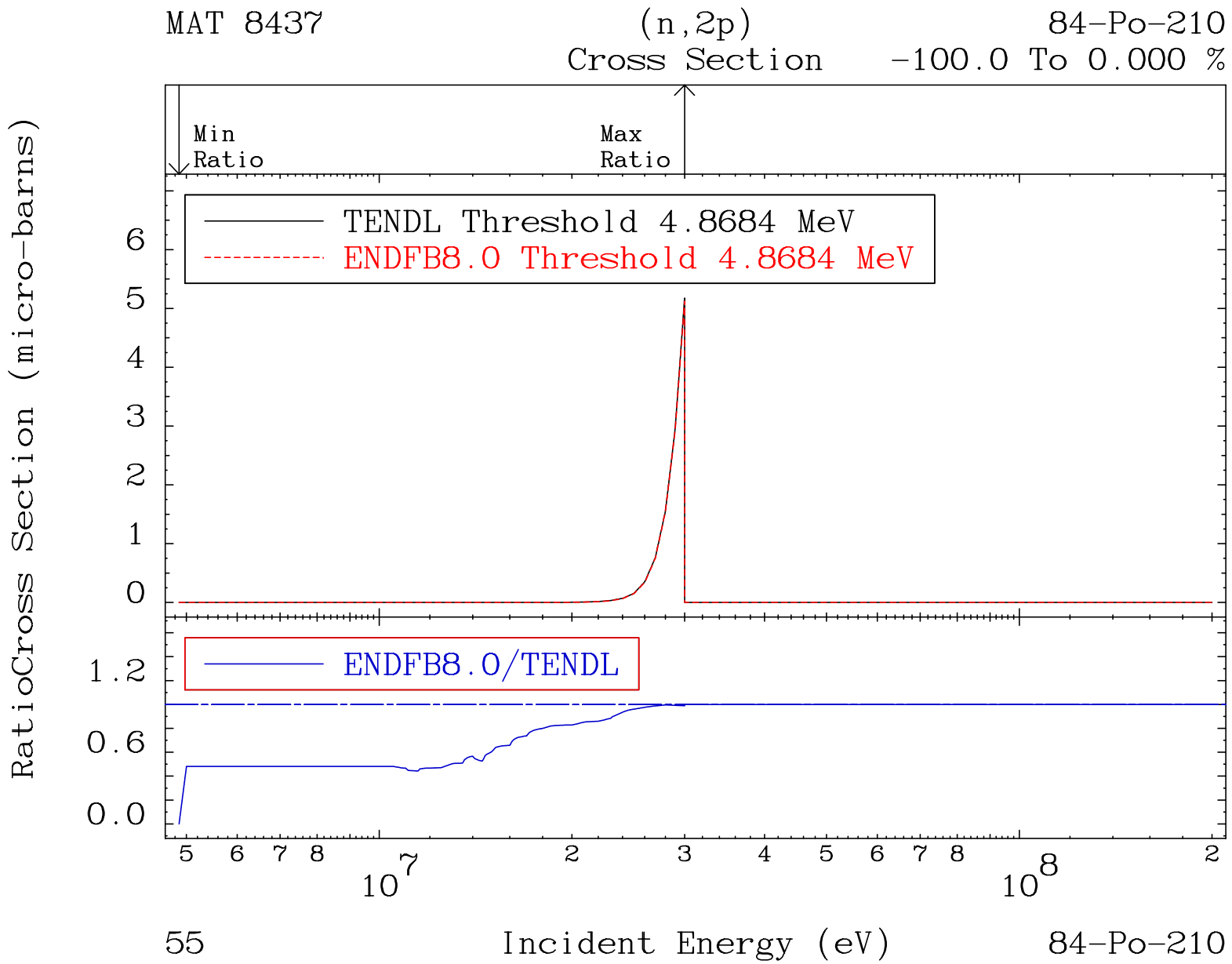

MAT 8437
(n,d)
Cross Section
84-Po-210
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.7721 MeV
ENDFB8.0 Threshold 2.7721 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
50
Incident Energy (eV)
84-Po-210

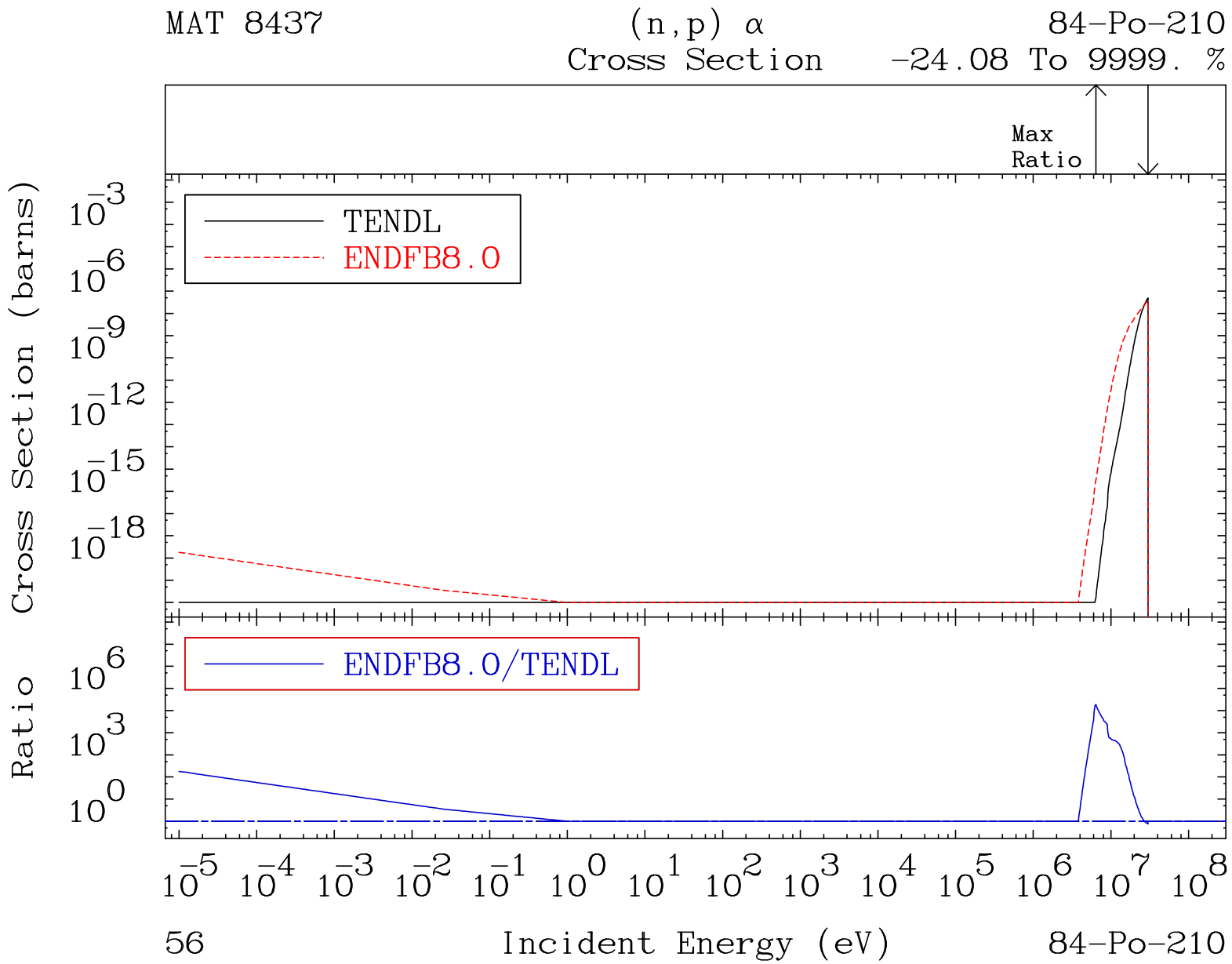

MAT 8437
(n,t)
Cross Section
84-Po-210
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 3.9804 MeV
ENDFB8.0 Threshold 3.9804 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
51
84-Po-210

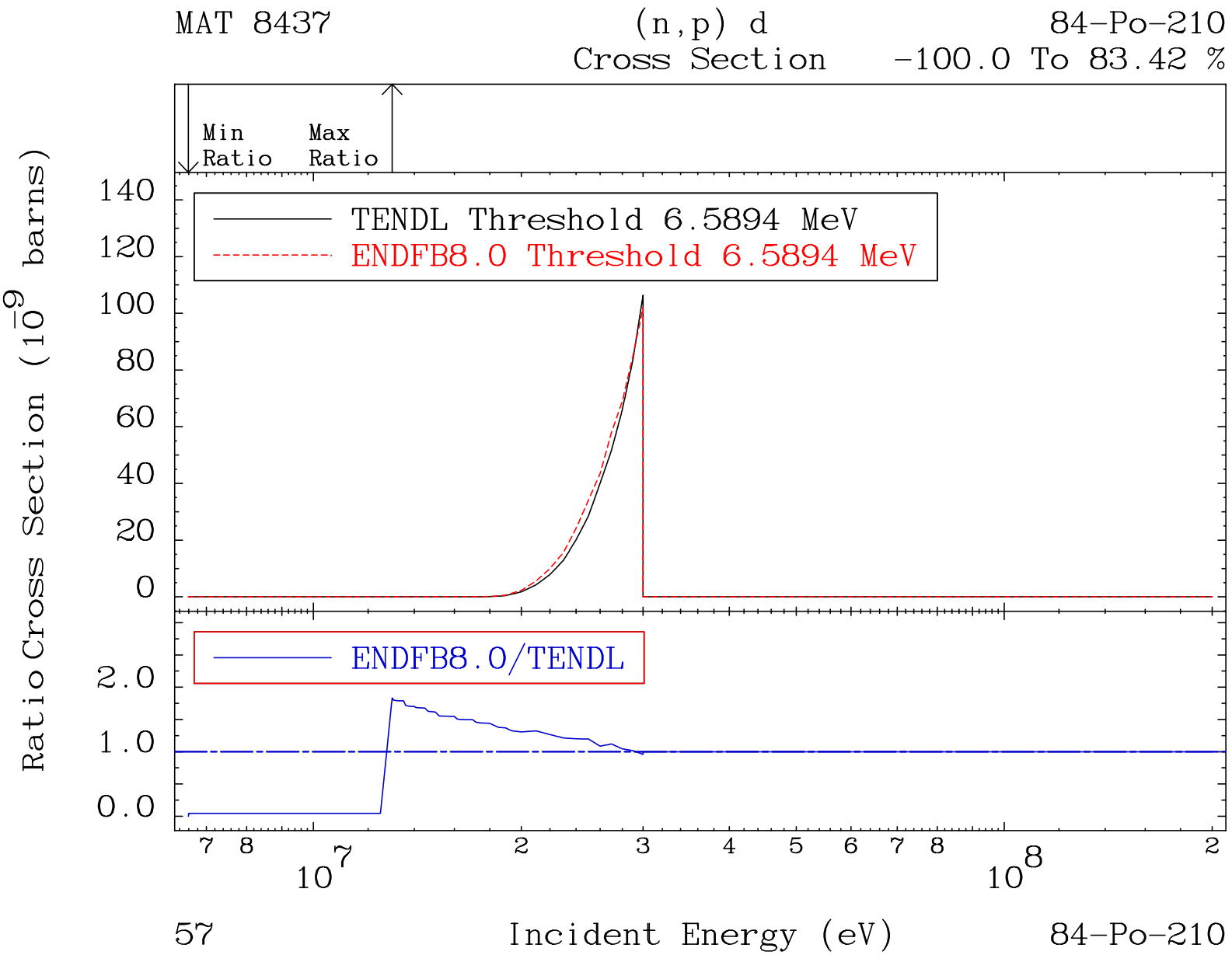

MAT 8437
(n,He-3)
Cross Section
84-Po-210
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 1.0696 MeV
ENDFB8.0 Threshold 1.0696 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
700
600
500
400
300
200
100
0
1.2
0.6
0.0
10^6
10^7
10^8
Incident Energy (eV)
52
84-Po-210

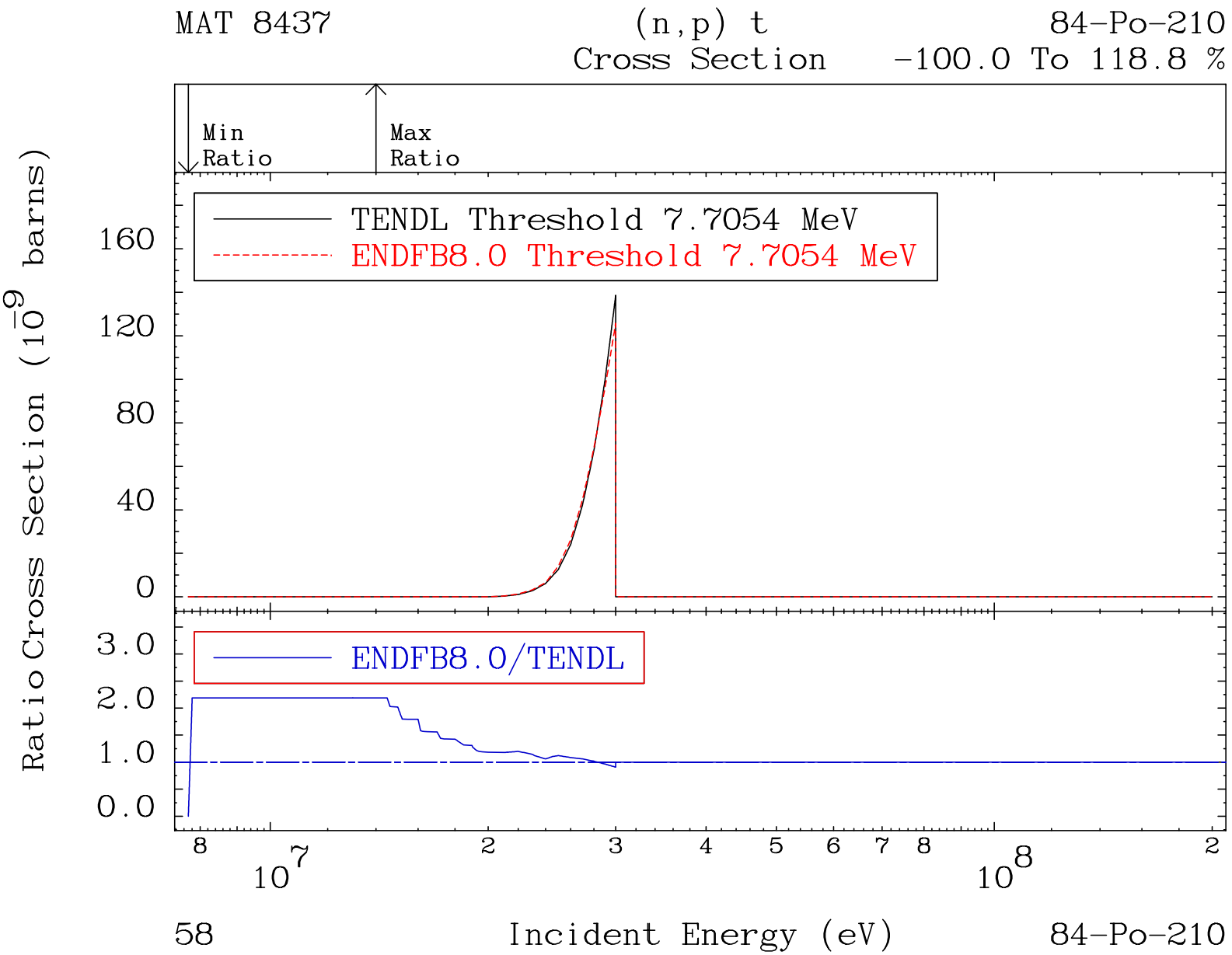

MAT 8437
(n,α)
Cross Section
84-Po-210
-36.76 To 6654. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
84-Po-210

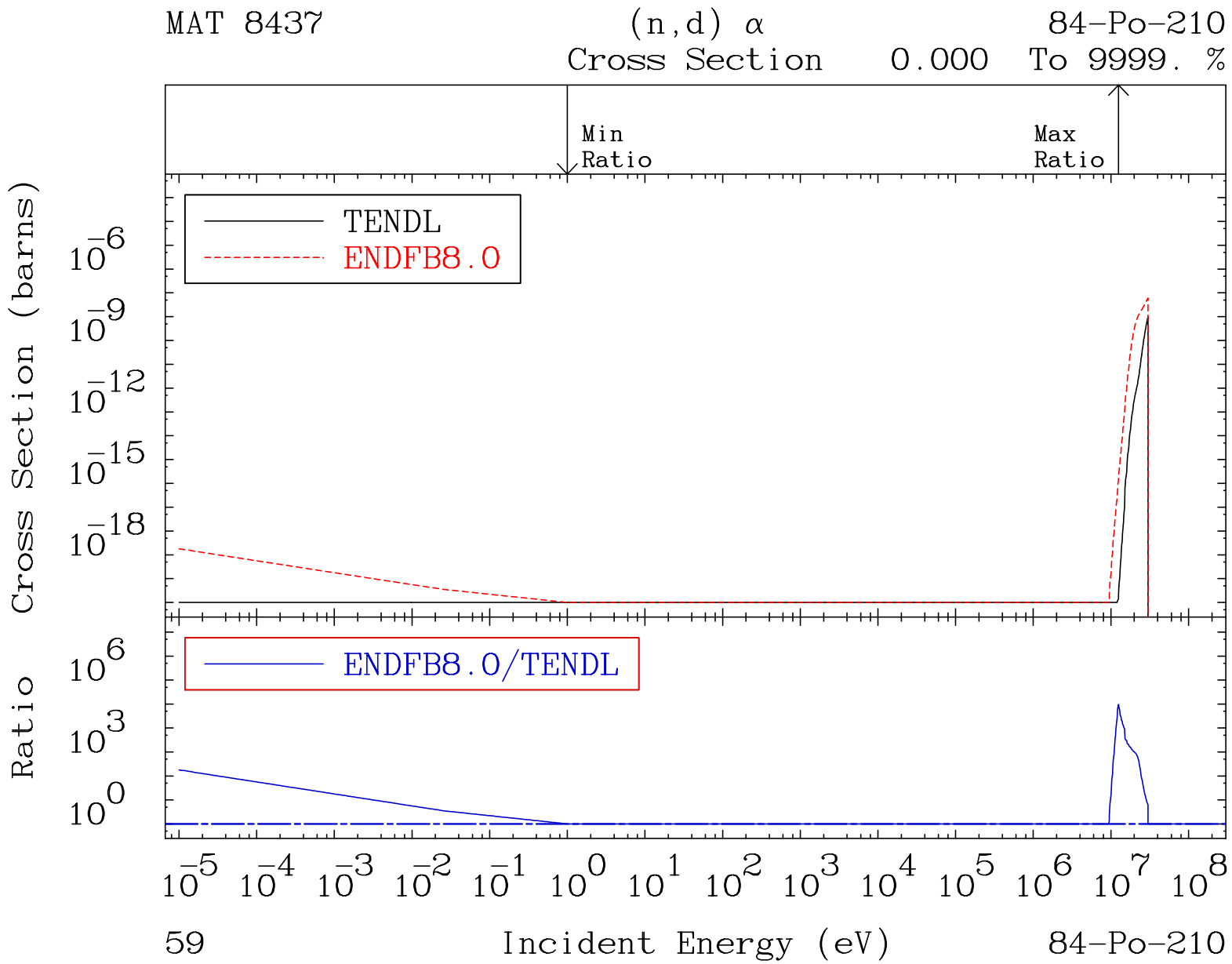

MAT 8437
(n,2α)
84-Po-210
Cross Section 0.000 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
84-Po-210

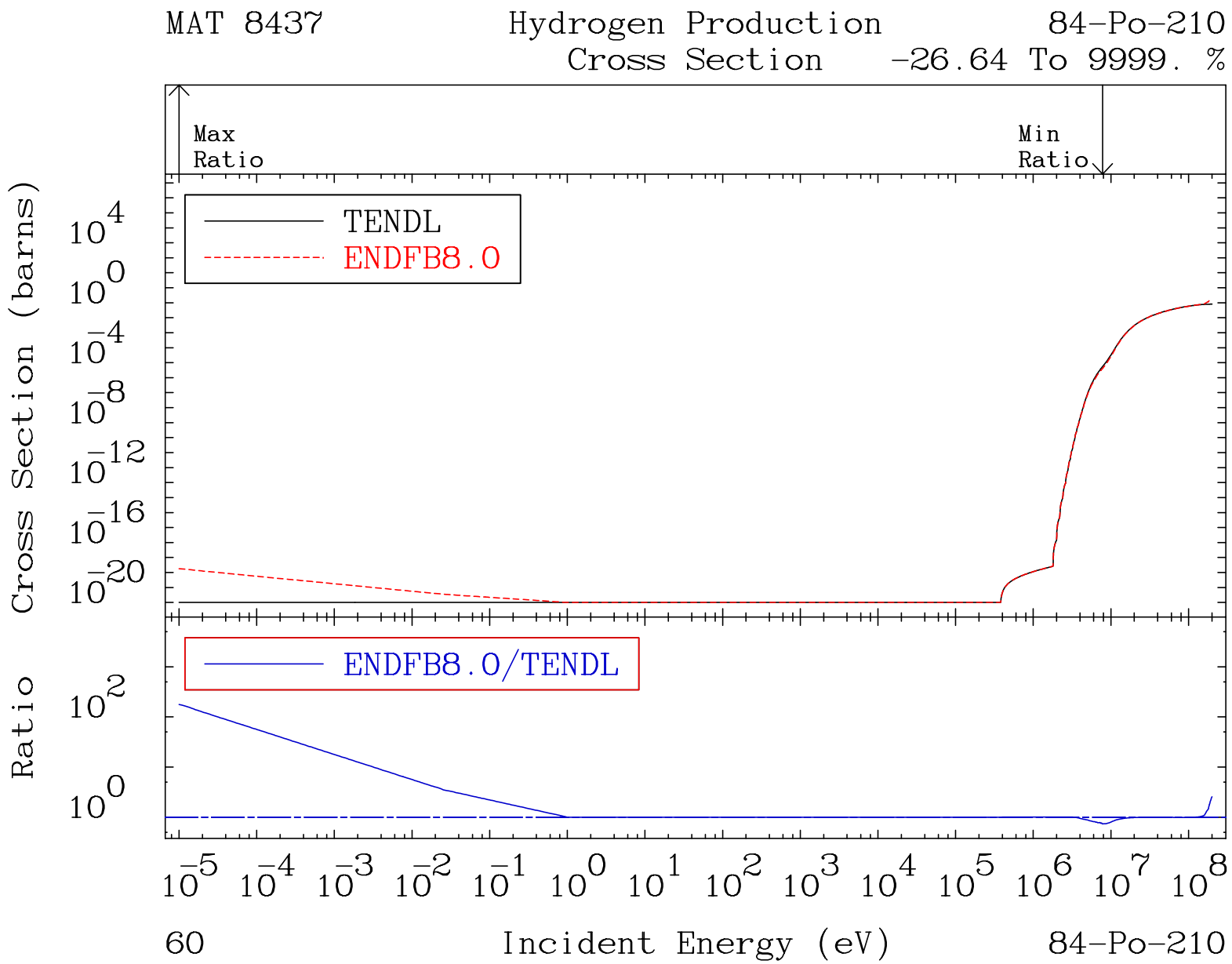

MAT 8437
(n,2p)
Cross Section
84-Po-210
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 4.8684 MeV
ENDFB8.0 Threshold 4.8684 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
55
84-Po-210

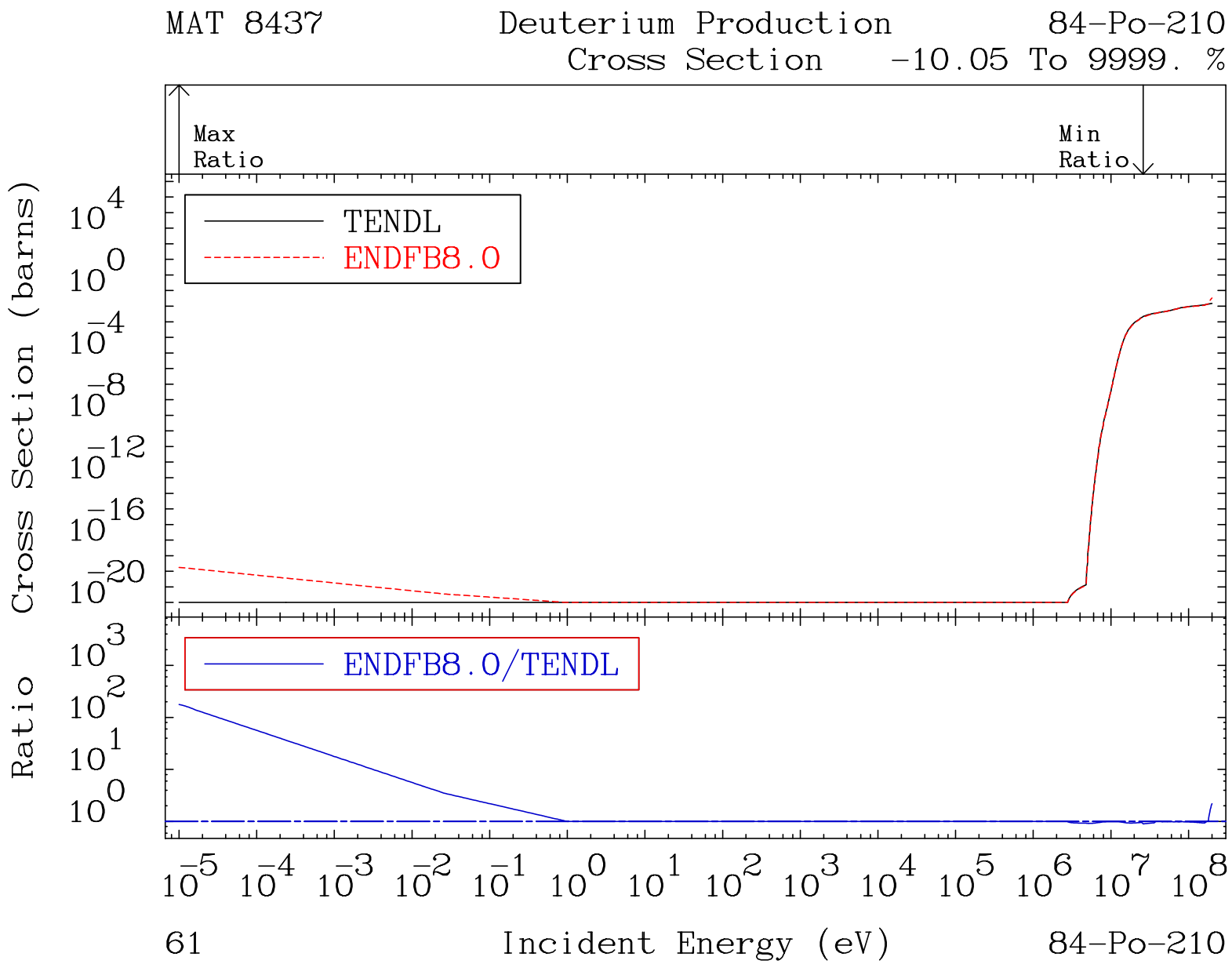

MAT 8437
(n,p) α
Cross Section
84-Po-210
-24.08 To 9999. %
Max
Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
56
84-Po-210

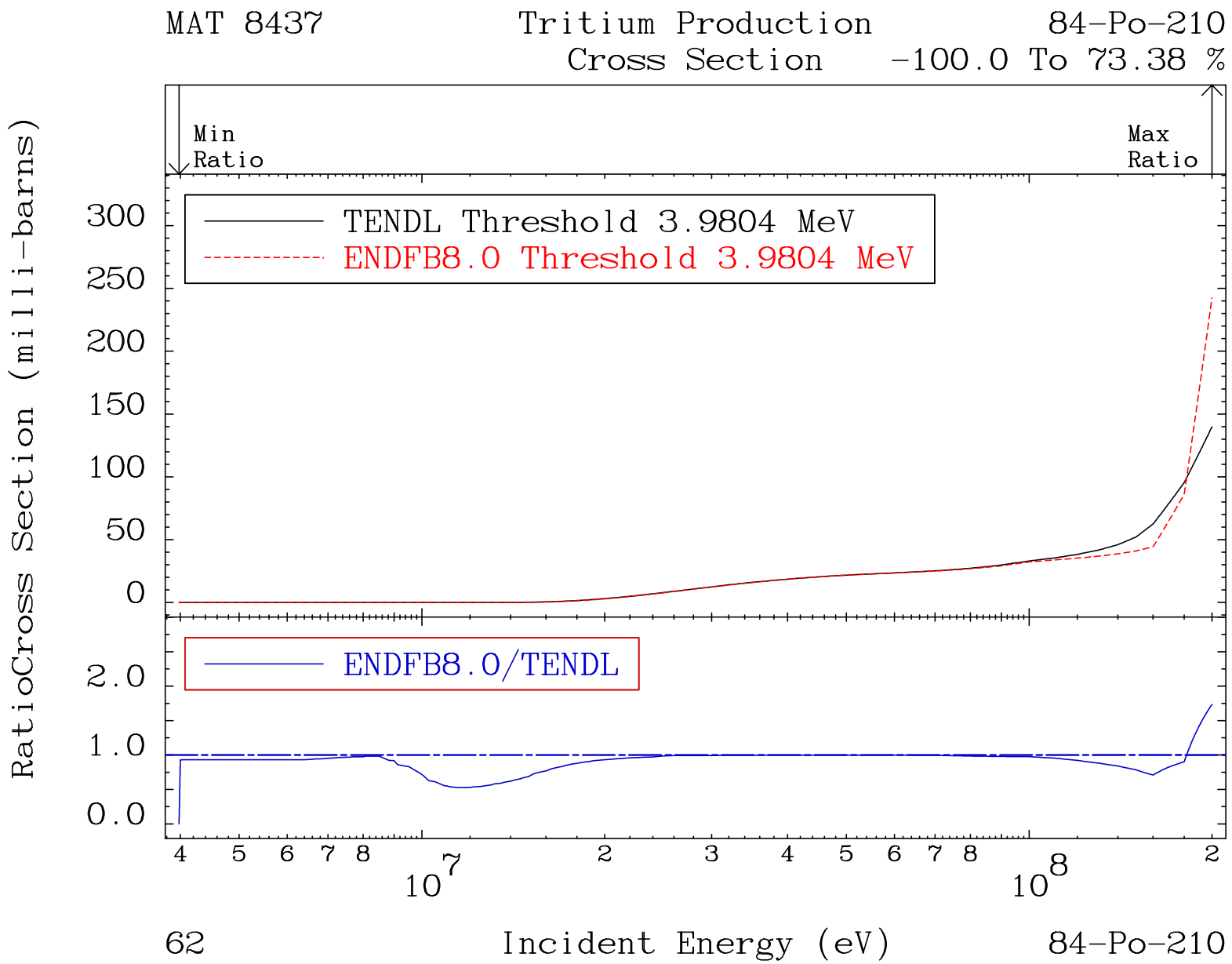

MAT 8437
(n,p) d
84-Po-210
Cross Section
-100.0 To 83.42 %
Min Ratio
Max Ratio
TENDL Threshold 6.5894 MeV
ENDFB8.0 Threshold 6.5894 MeV
ENDFB8.0/TENDL
Ratio Cross Section (10^{-9} barns)
140
120
100
80
60
40
20
0
2.0
1.0
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
57
Incident Energy (eV)
84-Po-210

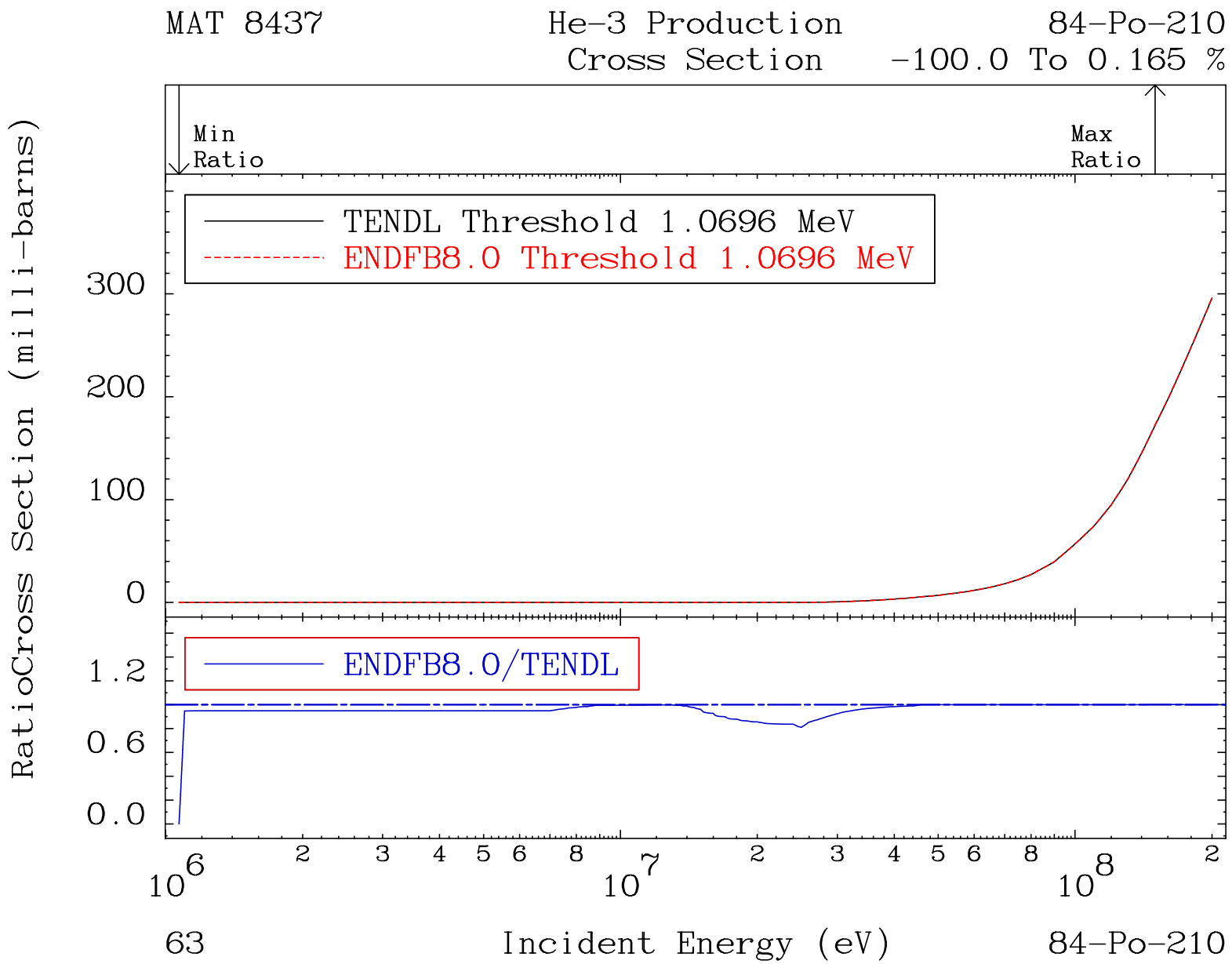

MAT 8437
(n,p) t
84-Po-210
Cross Section
-100.0 To 118.8 %
Min Ratio
Max Ratio
TENDL Threshold 7.7054 MeV
ENDFB8.0 Threshold 7.7054 MeV
ENDFB8.0/TENDL
Ratio Cross Section (10^{-9} barns)
160
120
80
40
0
3.0
2.0
1.0
0.0
8
10^{7}
2
3
4
5
6
7
8
10^{8}
2
58
Incident Energy (eV)
84-Po-210

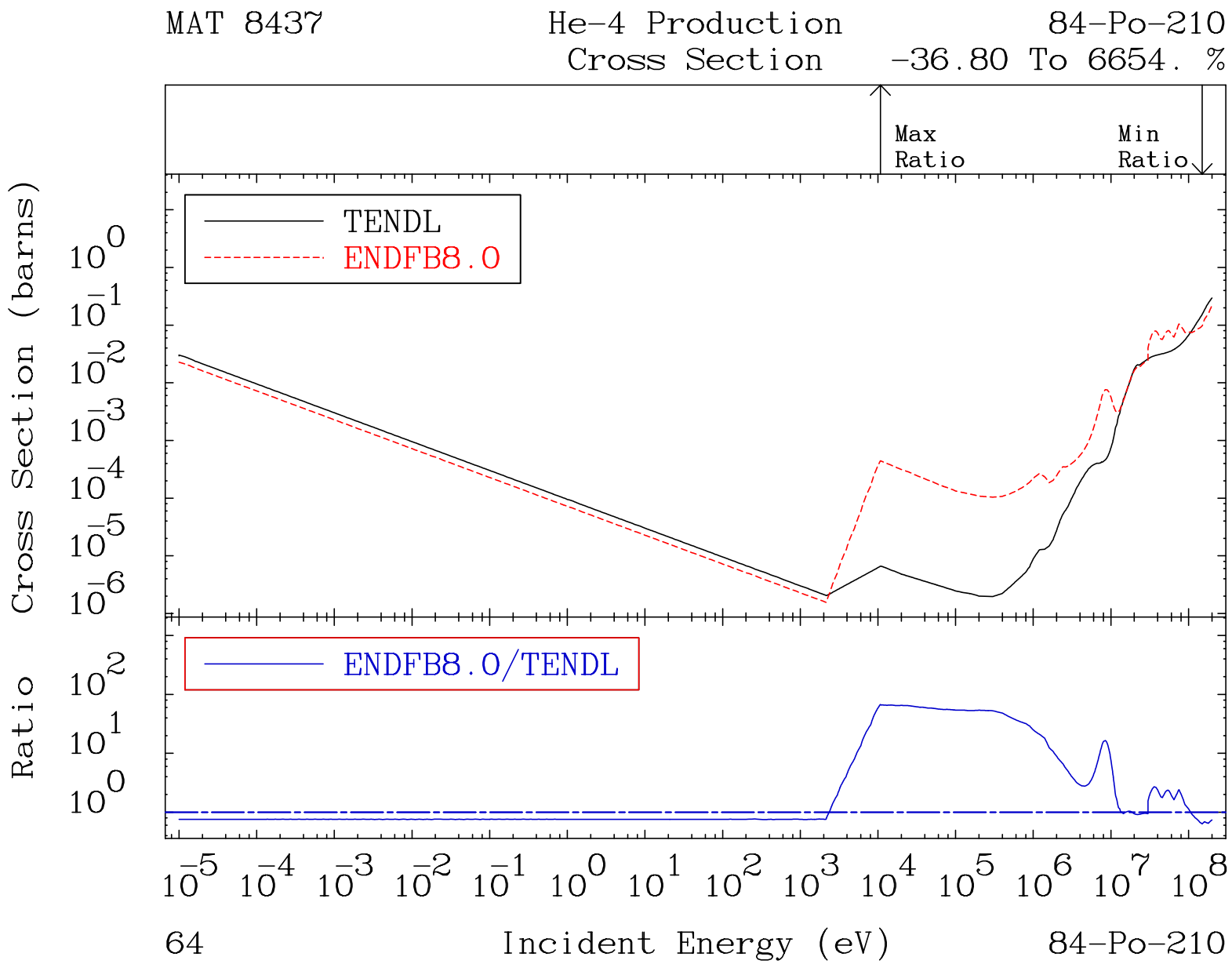

MAT 8437
(n,d) α
84-Po-210
Cross Section 0.000 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
84-Po-210

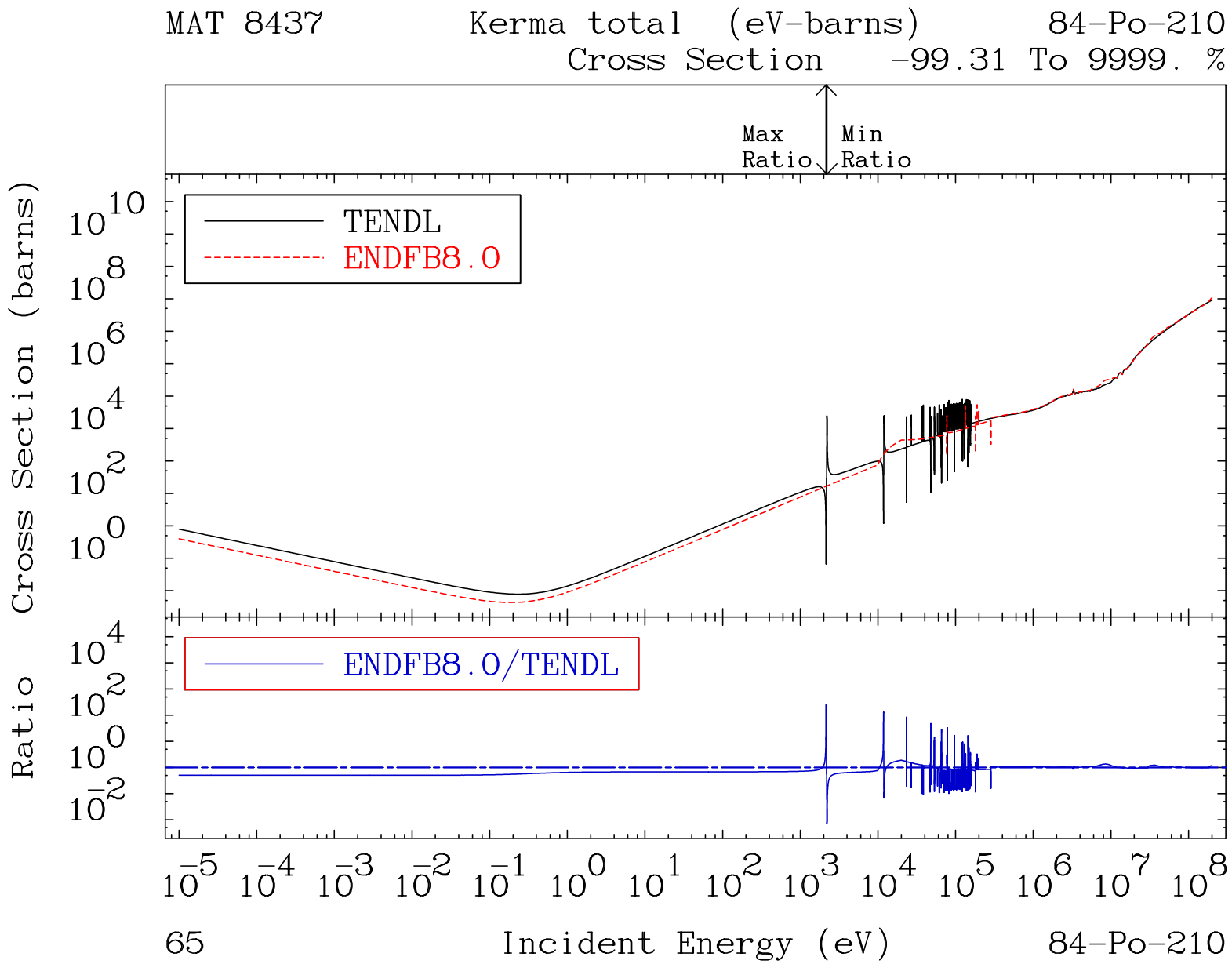

MAT 8437
Hydrogen Production
84-Po-210
Cross Section
-26.64 To 9999. %
Max
Ratio
Min
Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
84-Po-210

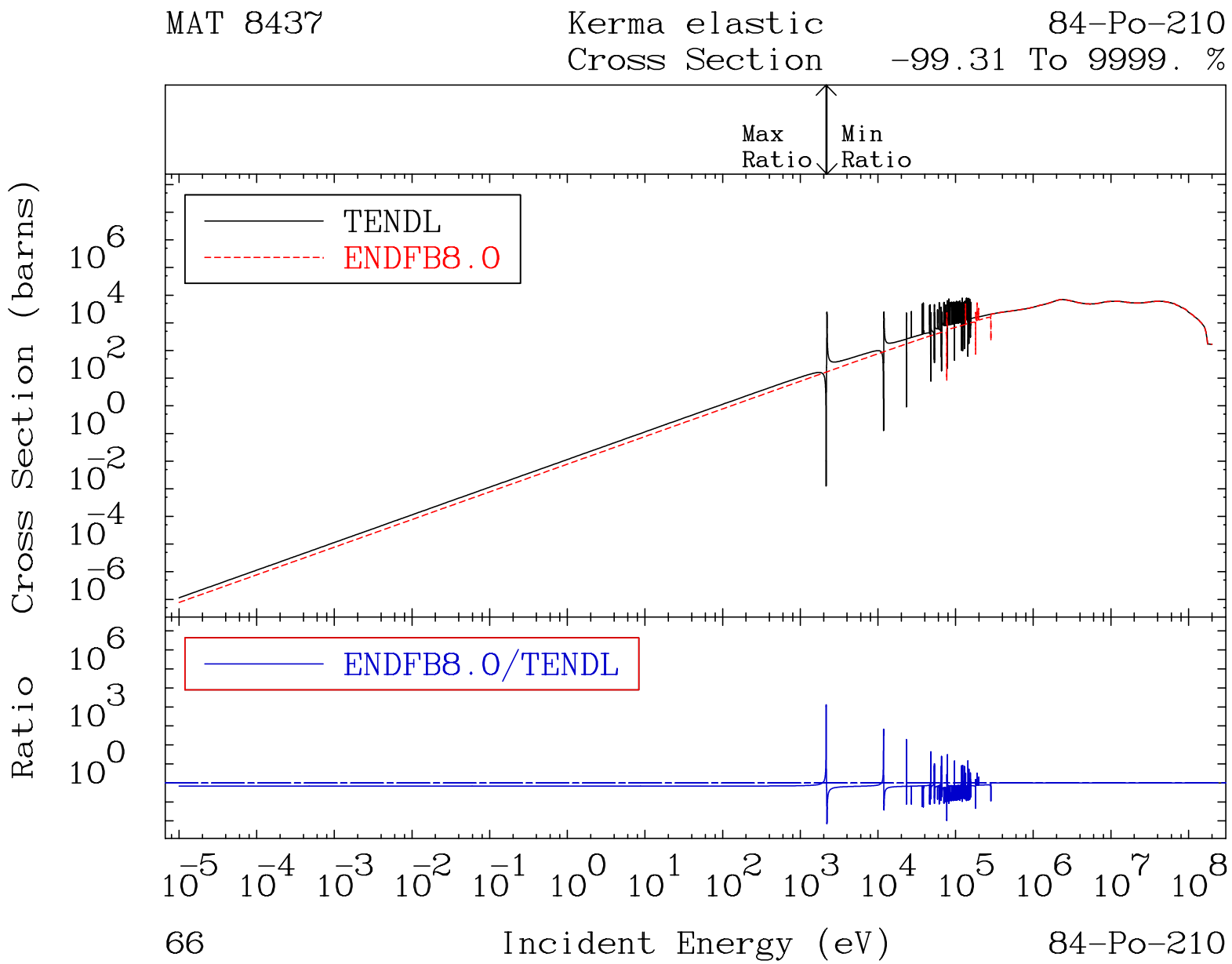

MAT 8437
Deuterium Production
84-Po-210
Cross Section
-10.05 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
84-Po-210

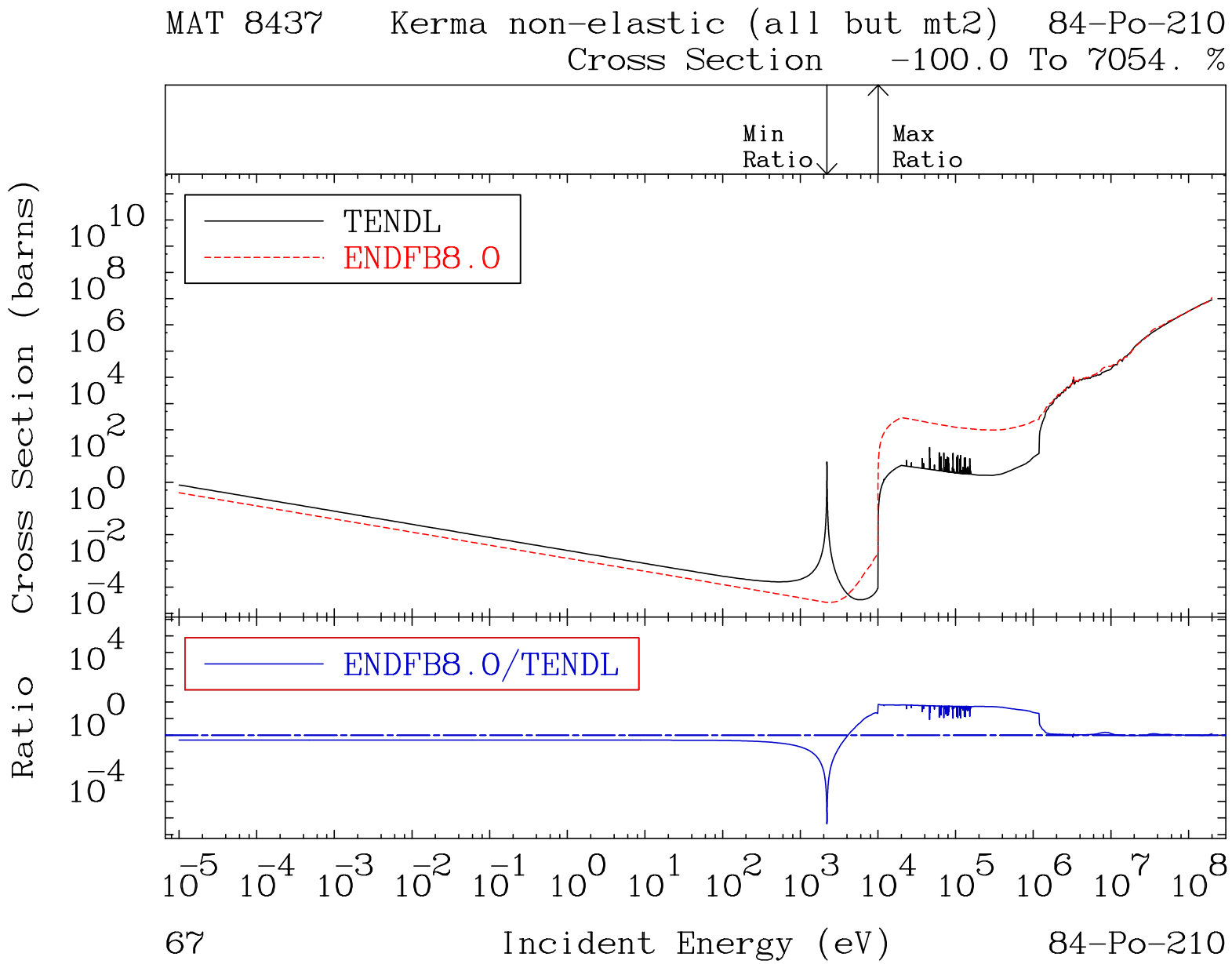

MAT 8437
Tritium Production
84-Po-210
Cross Section
-100.0 To 73.38 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.9804 MeV
ENDFB8.0 Threshold 3.9804 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
2.0
1.0
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
62
Incident Energy (eV)
84-Po-210

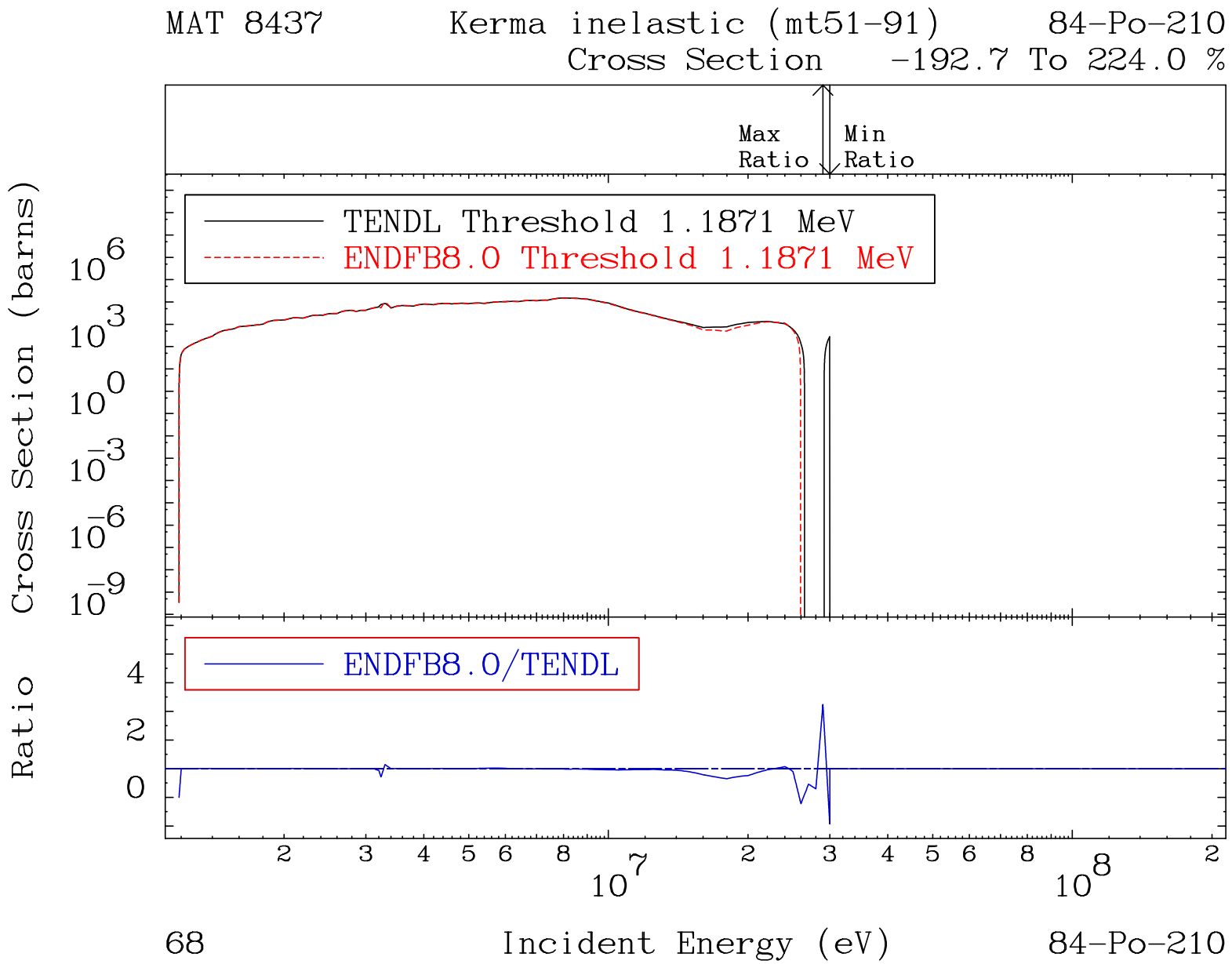

MAT 8437
He-3 Production
Cross Section
84-Po-210
-100.0 To 0.165 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.0696 MeV
ENDFB8.0 Threshold 1.0696 MeV
300
200
100
0
ENDFB8.0/TENDL
1.2
0.6
0.0
RatioCross Section (milli-barns)
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
63
Incident Energy (eV)
84-Po-210

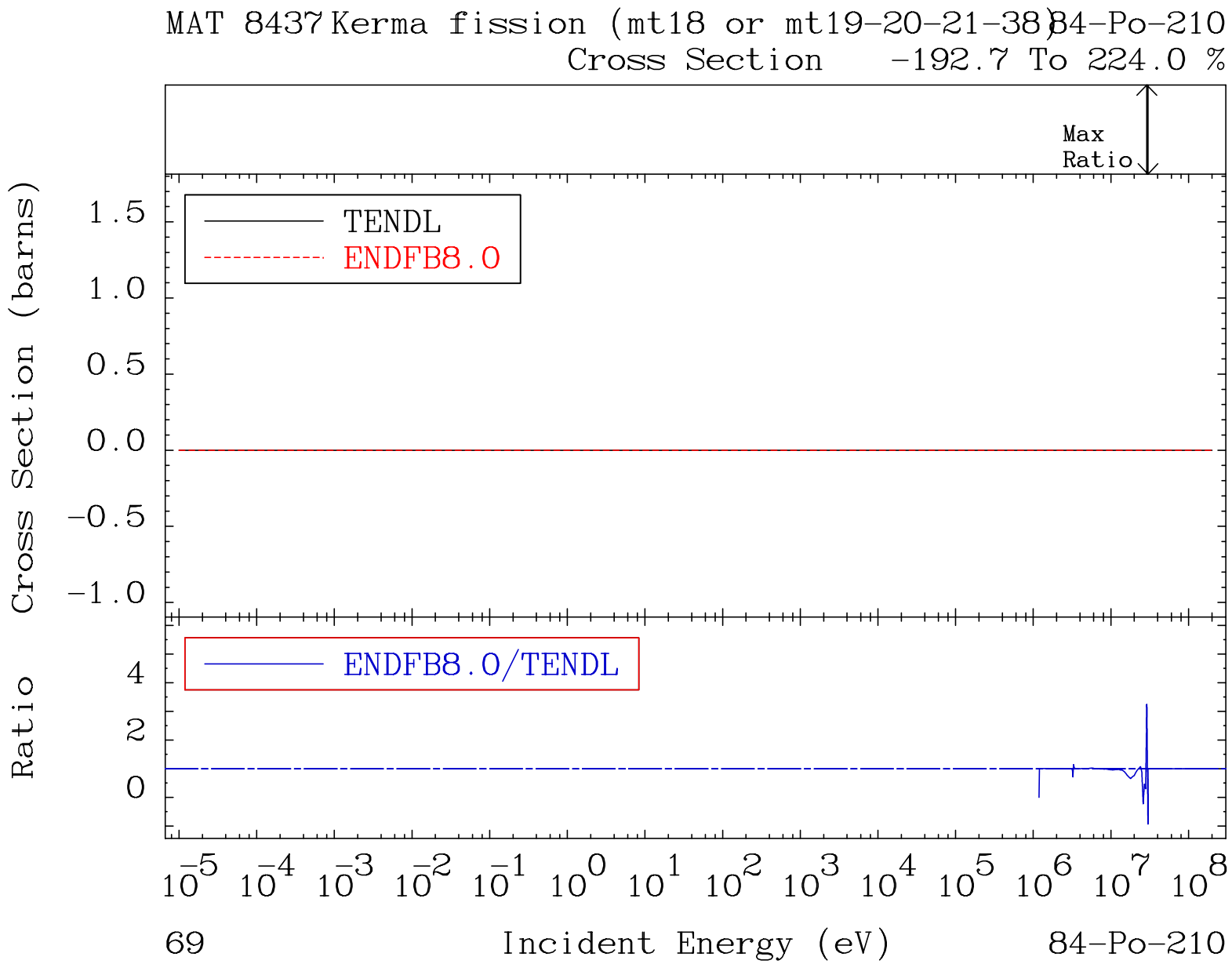

MAT 8437
He-4 Production
Cross Section
84-Po-210
-36.80 To 6654. %
Max
Ratio
Min
Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
84-Po-210

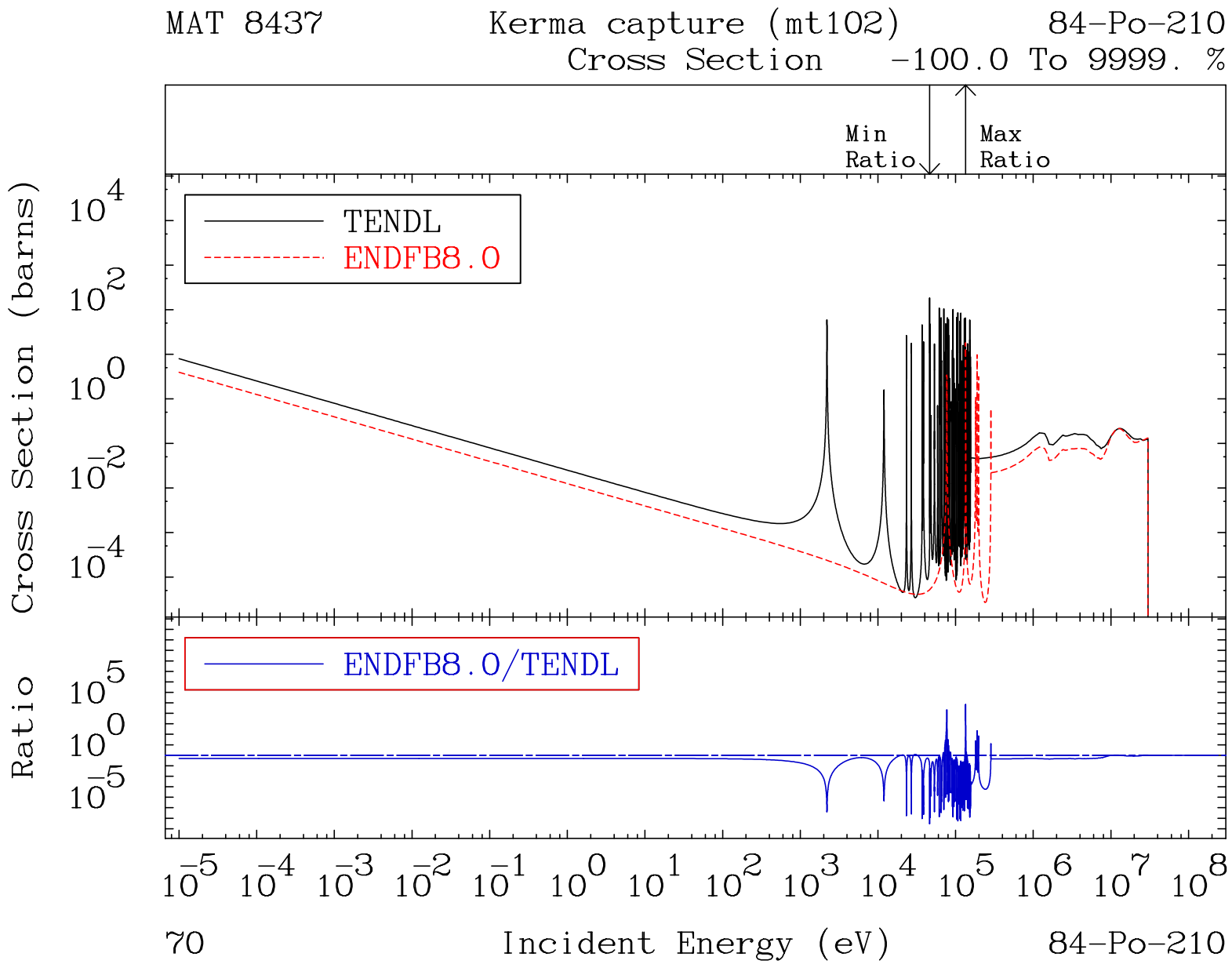

MAT 8437
Kerma total (eV-barns)
84-Po-210
Cross Section -99.31 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
65
84-Po-210

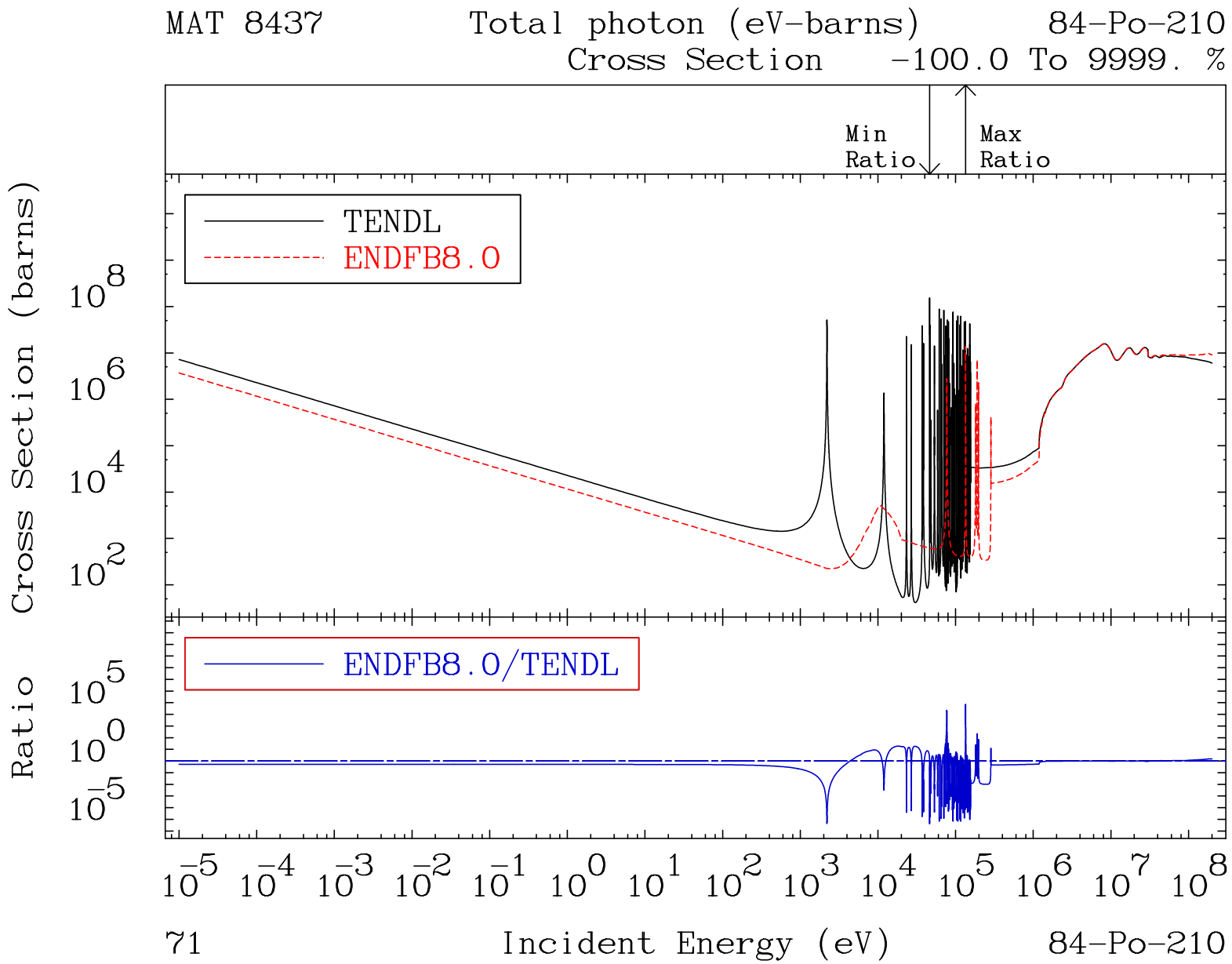

MAT 8437
Kerma elastic
Cross Section
84-Po-210
-99.31 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
66
84-Po-210

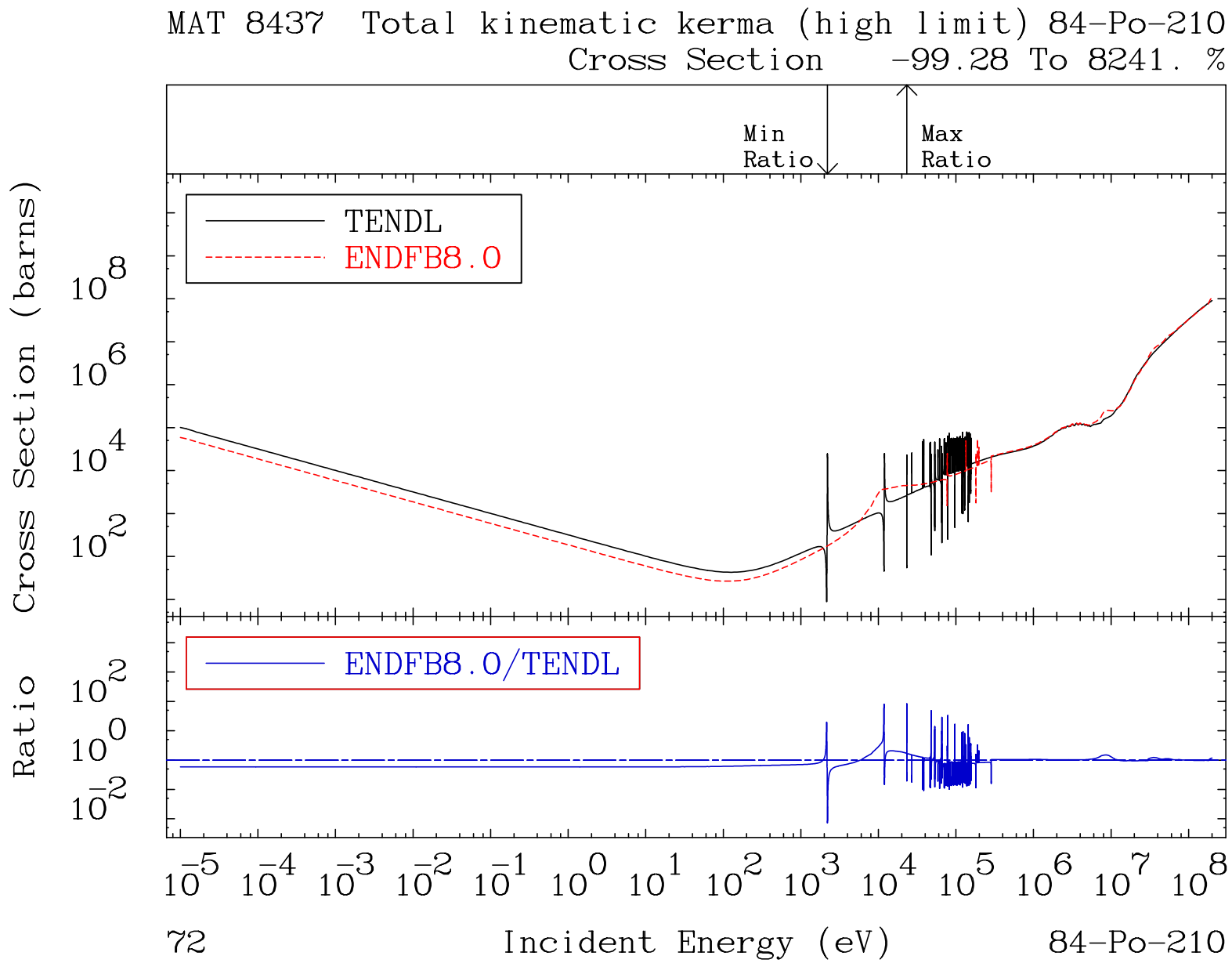

MAT 8437 Kerma non-elastic (all but mt2) 84-Po-210
Cross Section -100.0 To 7054. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
67
84-Po-210

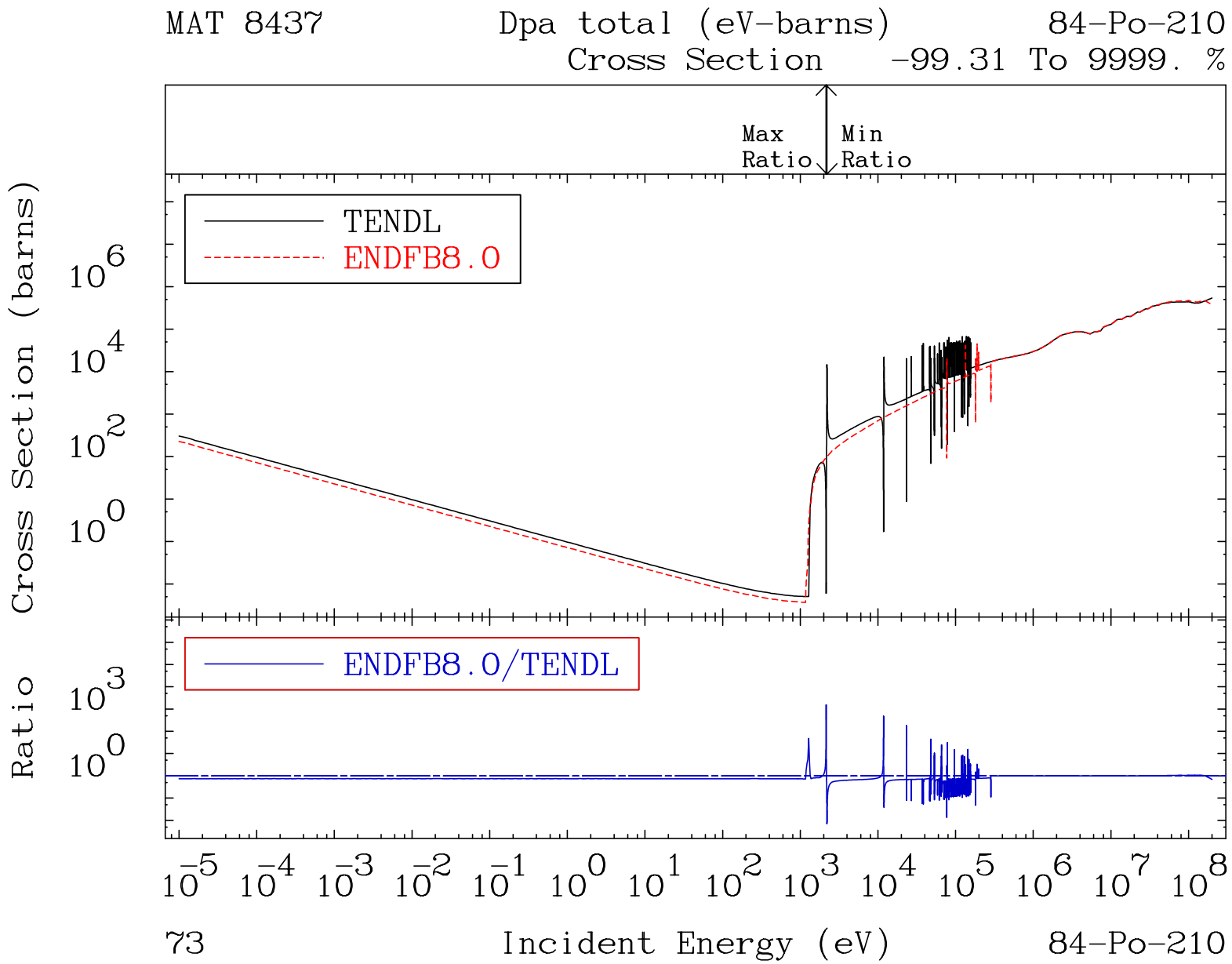

MAT 8437
Kerma inelastic (mt51-91)
84-Po-210
Cross Section -192.7 To 224.0 %
Max Ratio
Min Ratio
TENDL Threshold 1.1871 MeV
ENDFB8.0 Threshold 1.1871 MeV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
68
84-Po-210

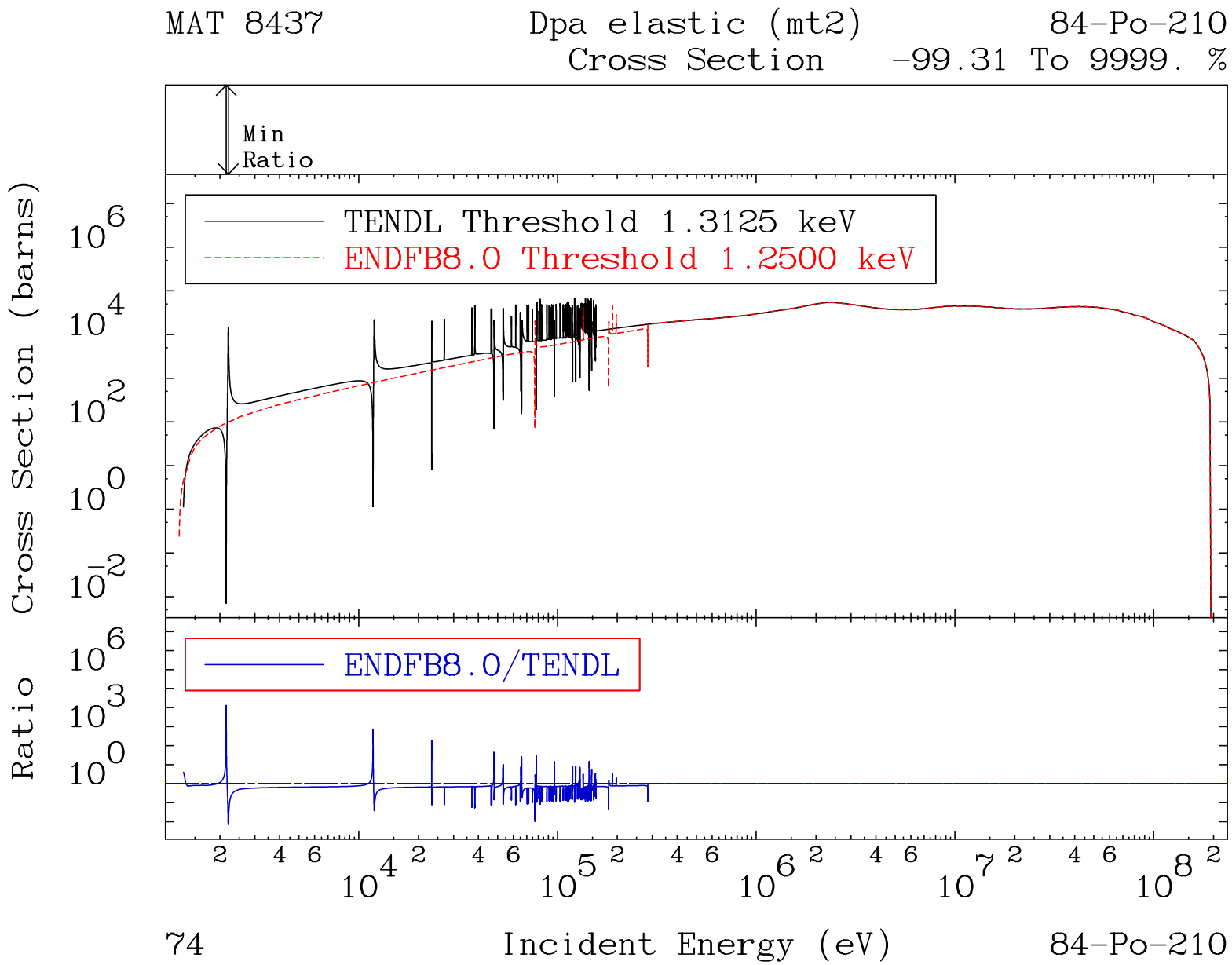

MAT 8437 Kerma fission (mt18 or mt19-20-21-38) 84-Po-210
Cross Section -192.7 To 224.0 %
Max
Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
4
2
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
69
Incident Energy (eV)
84-Po-210

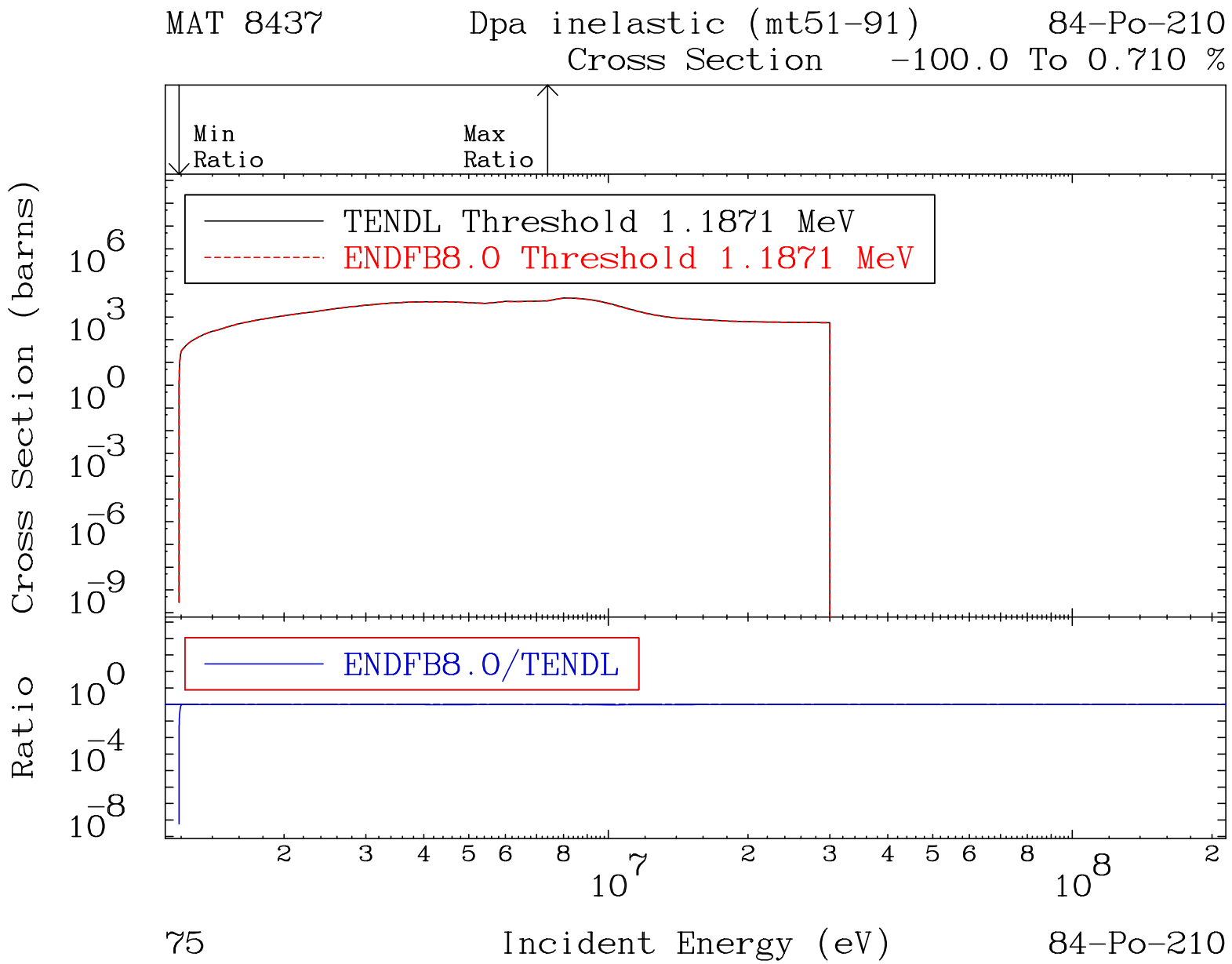

MAT 8437
Kerma capture (mt102)
84-Po-210
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
70
84-Po-210

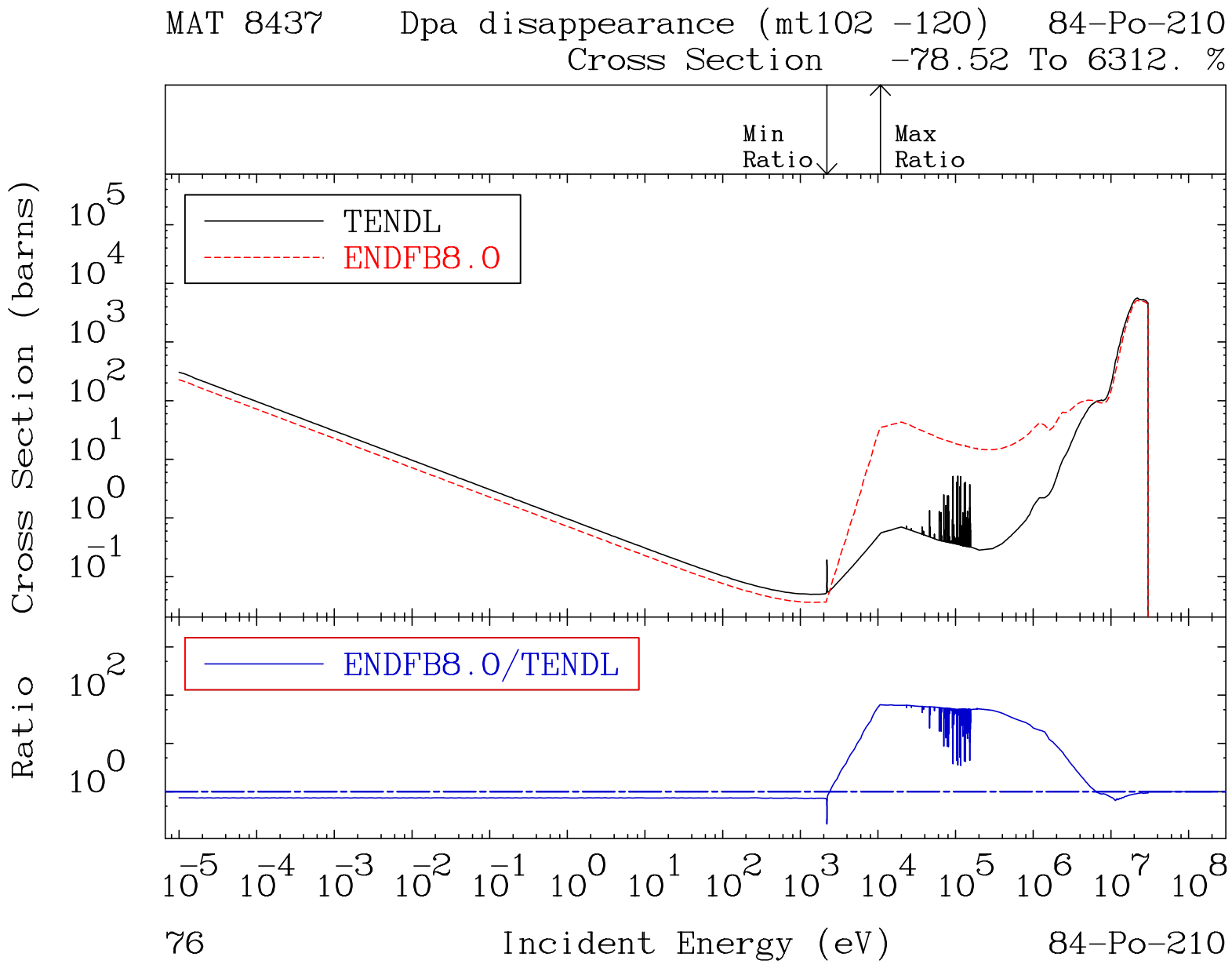

MAT 8437
Total photon (eV-barns)
84-Po-210
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
71
84-Po-210

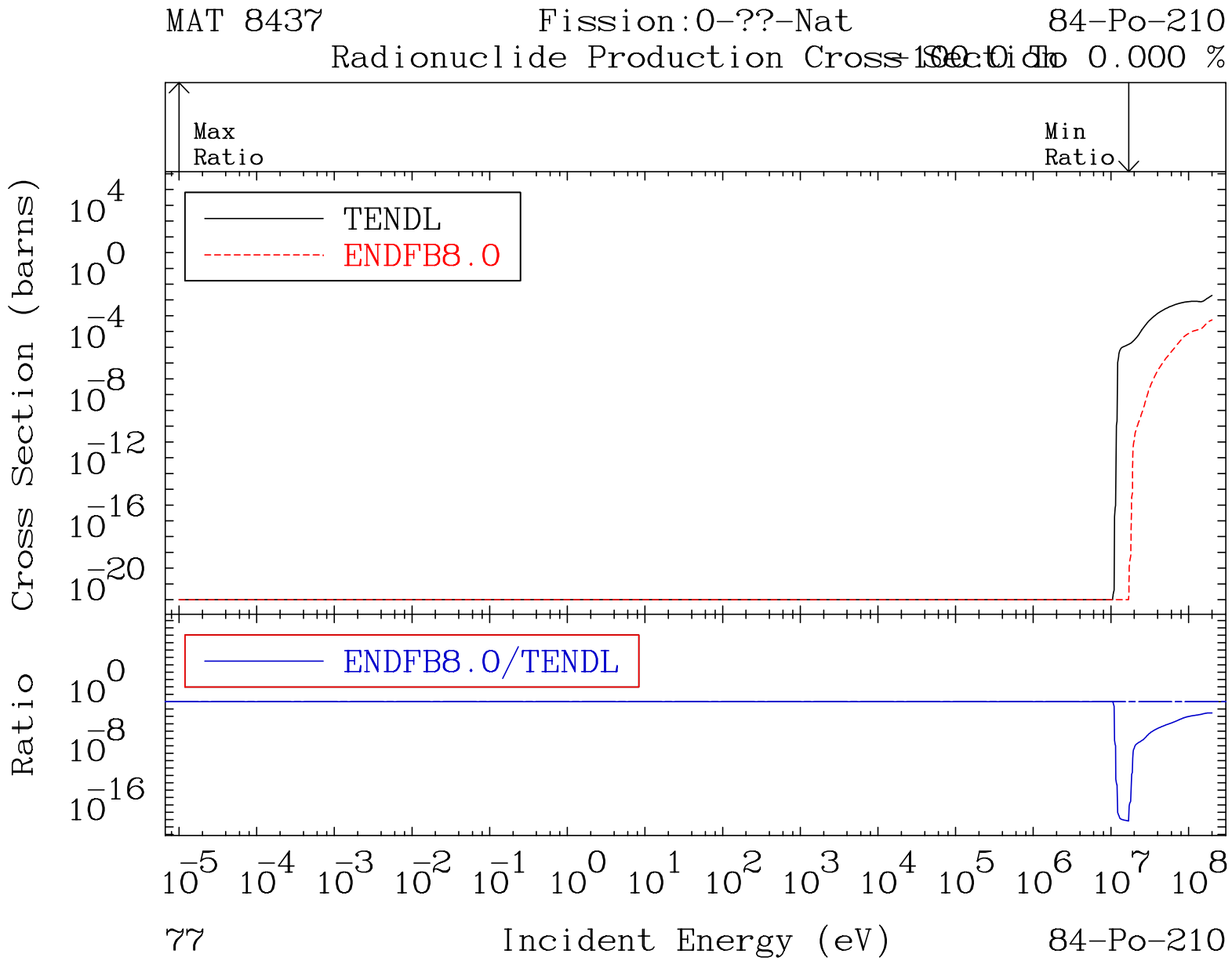

MAT 8437 Total kinematic kerma (high limit) 84-Po-210
Cross Section -99.28 To 8241. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
72
84-Po-210

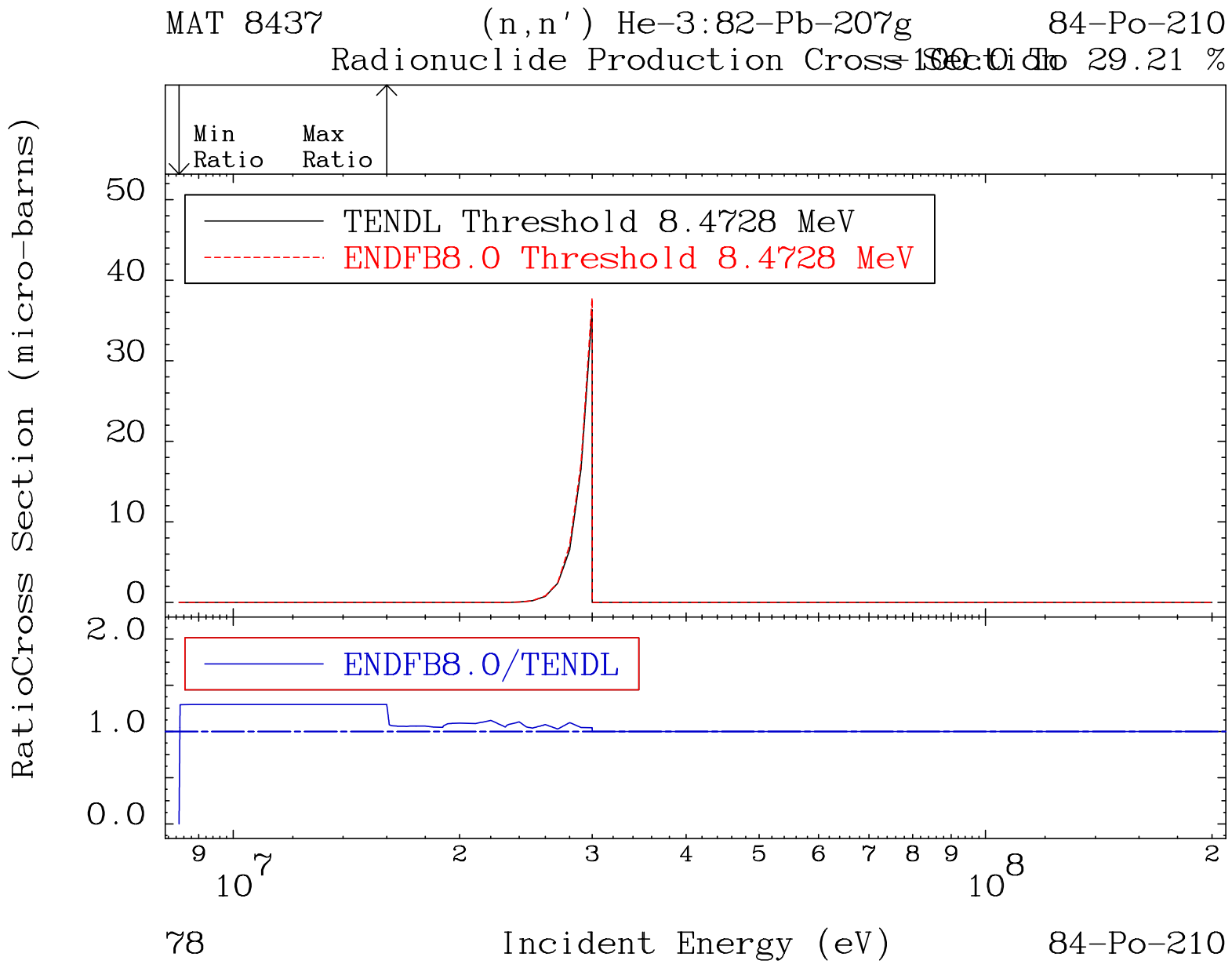

MAT 8437
Dpa total (eV-barns)
84-Po-210
Cross Section
-99.31 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
73
84-Po-210

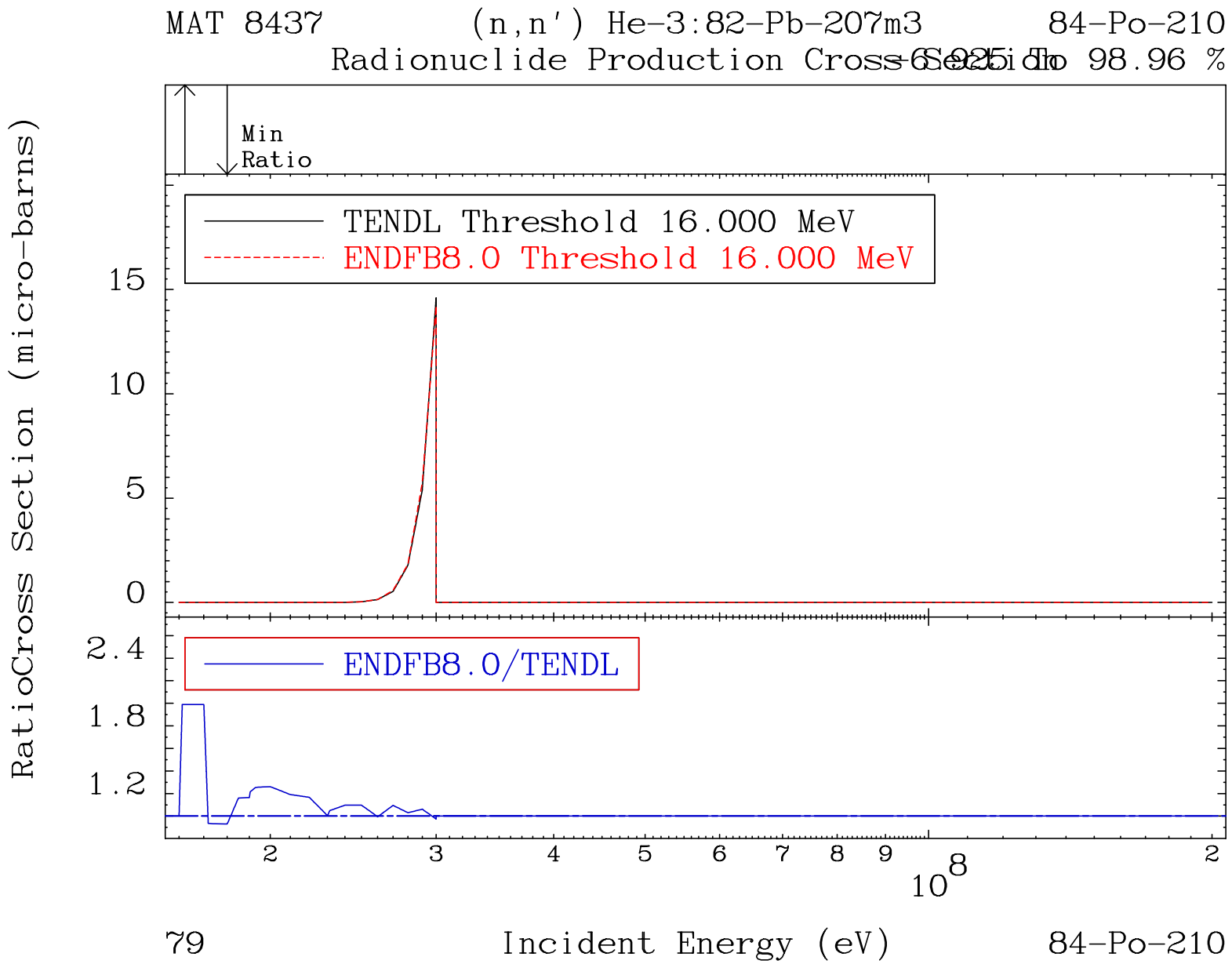

MAT 8437
Dpa elastic (mt2)
Cross Section
84-Po-210
-99.31 To 9999. %
Min
Ratio
TENDL Threshold 1.3125 keV
ENDFB8.0 Threshold 1.2500 keV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
74
84-Po-210

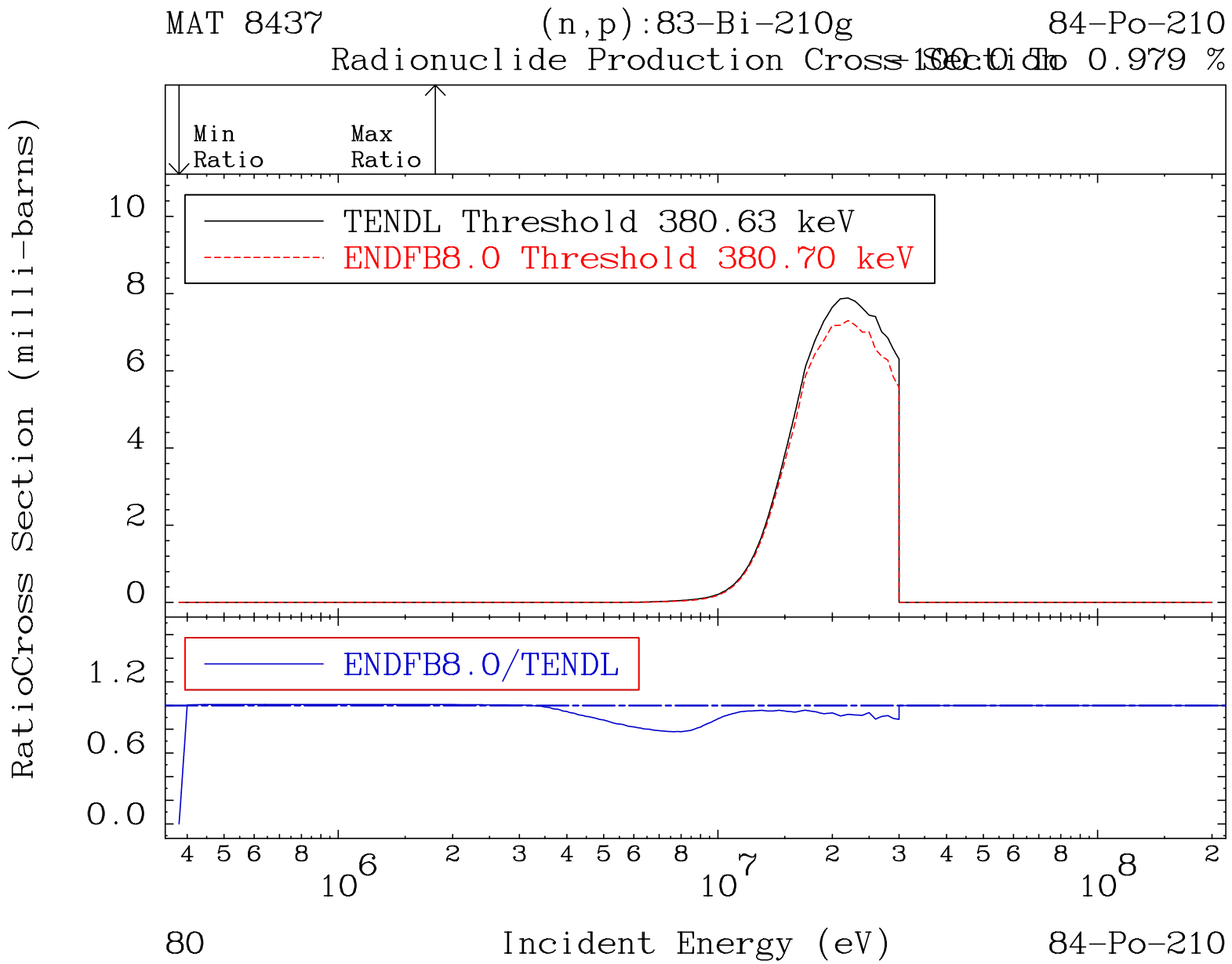

MAT 8437
Dpa inelastic (mt51-91)
84-Po-210
Cross Section -100.0 To 0.710 %
Min Ratio
Max Ratio
TENDL Threshold 1.1871 MeV
ENDFB8.0 Threshold 1.1871 MeV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
75
84-Po-210

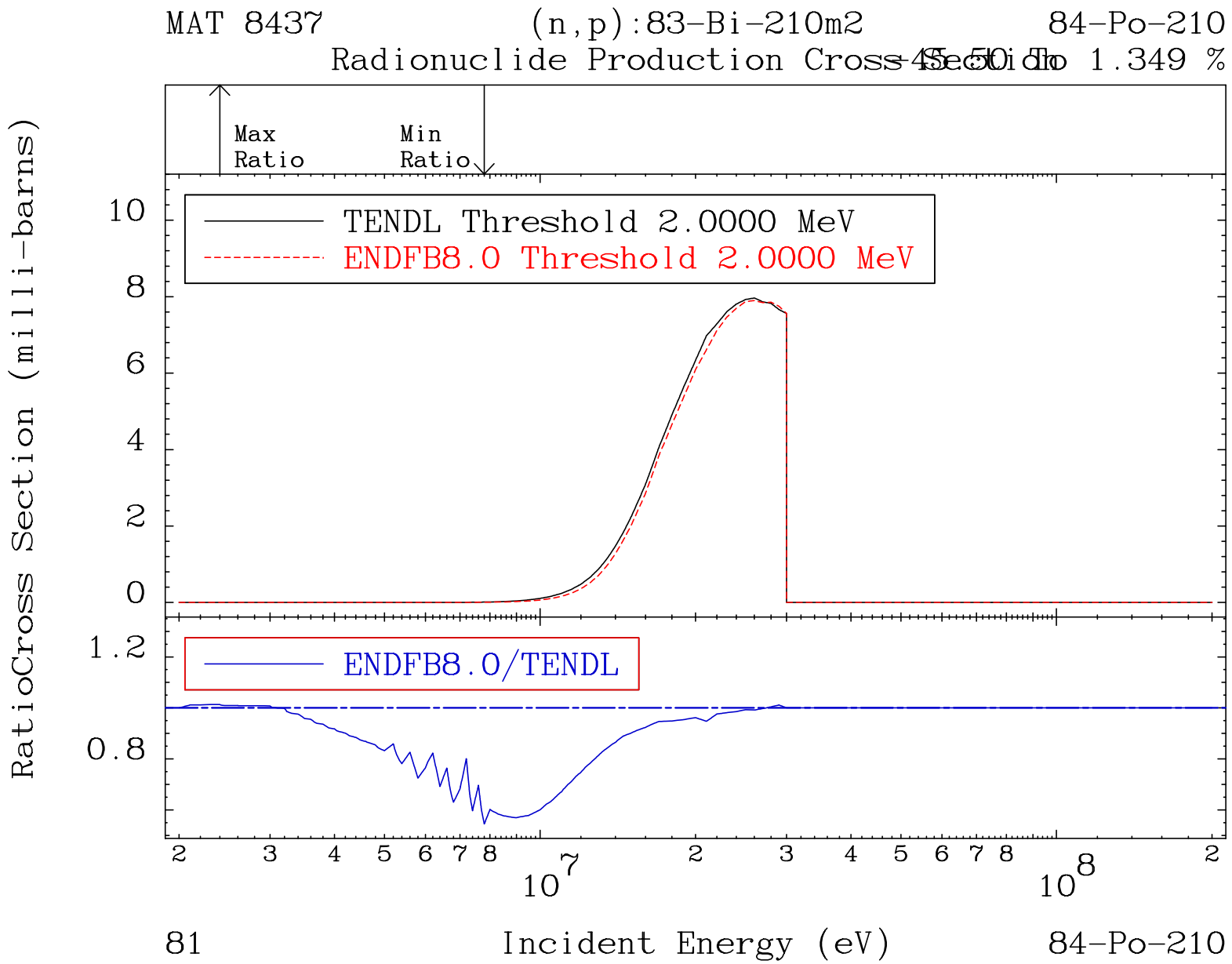

MAT 8437 Dpa disappearance (mt102 -120) 84-Po-210
Cross Section -78.52 To 6312. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
76
84-Po-210

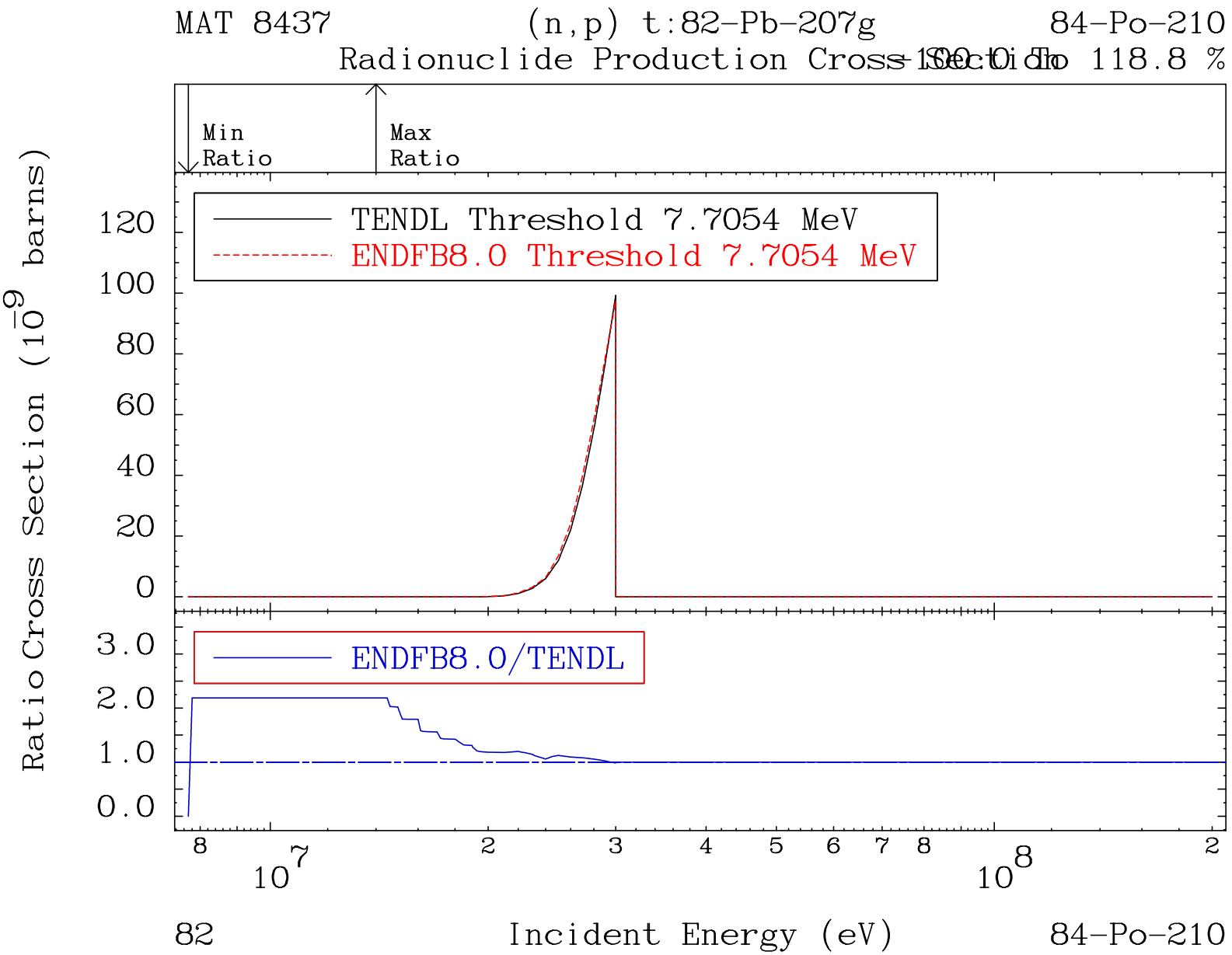

MAT 8437
Fission:0-??-Nat
84-Po-210
Radionuclide Production Cross Section
Uncertainty 0.000 %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
77
84-Po-210

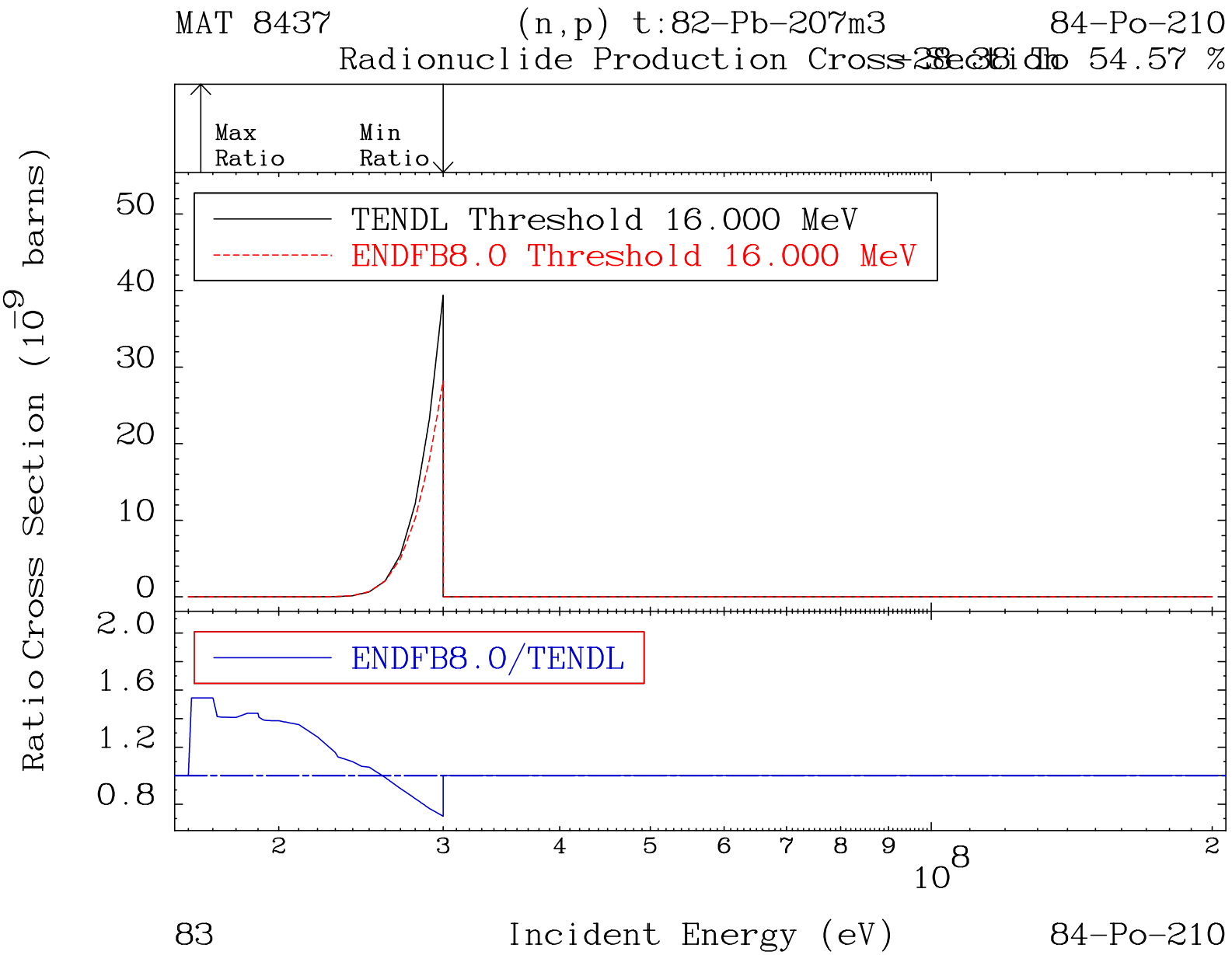

MAT 8437
(n,n') He-3:82-Pb-207g
84-Po-210
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 8.4728 MeV
ENDFB8.0 Threshold 8.4728 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
78
84-Po-210


MAT 8437 (n,n') He-3:82-Pb-207m3 84-Po-210
Radionuclide Production Cross Section To 98.96 %
Min
Ratio
TENDL Threshold 16.000 MeV
ENDFB8.0 Threshold 16.000 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
15
10
5
0
2.4
1.8
1.2
2
3
4
5
6
7
8
9
10^8
2
79
Incident Energy (eV)
84-Po-210


MAT 8437
(n,p):83-Bi-210g
84-Po-210
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 380.63 keV
ENDFB8.0 Threshold 380.70 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
80
84-Po-210


MAT 8437
(n,p):83-Bi-210m2
84-Po-210
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 2.0000 MeV
ENDFB8.0 Threshold 2.0000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
81
84-Po-210


MAT 8437
(n,p) t:82-Pb-207g
84-Po-210
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 7.7054 MeV
ENDFB8.0 Threshold 7.7054 MeV
ENDFB8.0/TENDL
Ratio Cross Section (10^-9 barns)
Incident Energy (eV)
82
84-Po-210


MAT 8437
(n,p) t:82-Pb-207m3
84-Po-210
Radionuclide Production Cross Section To 54.57 %
Max Ratio
Min Ratio
TENDL Threshold 16.000 MeV
ENDFB8.0 Threshold 16.000 MeV
ENDFB8.0/TENDL
Ratio Cross Section (10^{-9} barns)
50
40
30
20
10
0
2.0
1.6
1.2
0.8
2
3
4
5
6
7
8
9
10^8
2
83
Incident Energy (eV)
84-Po-210