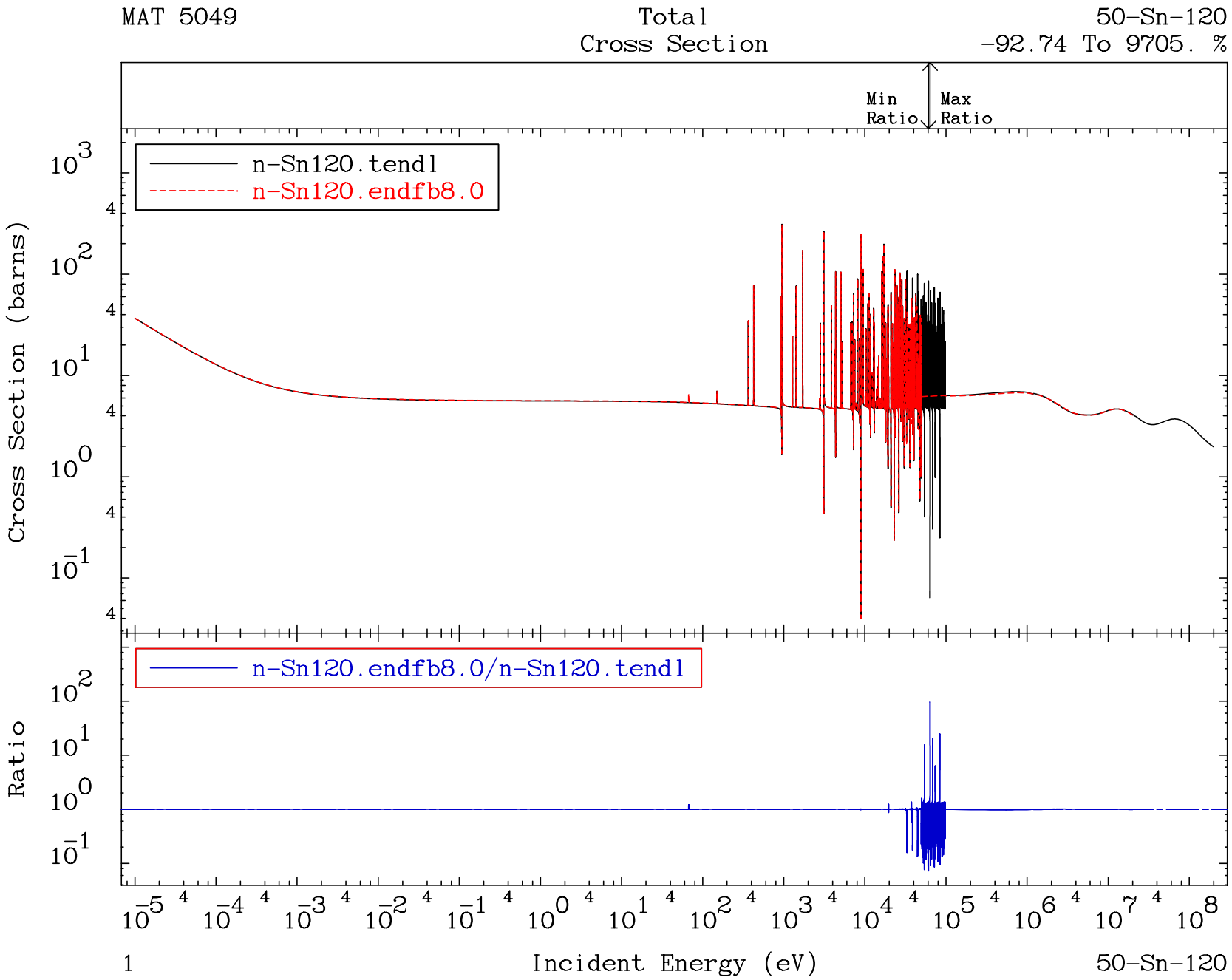
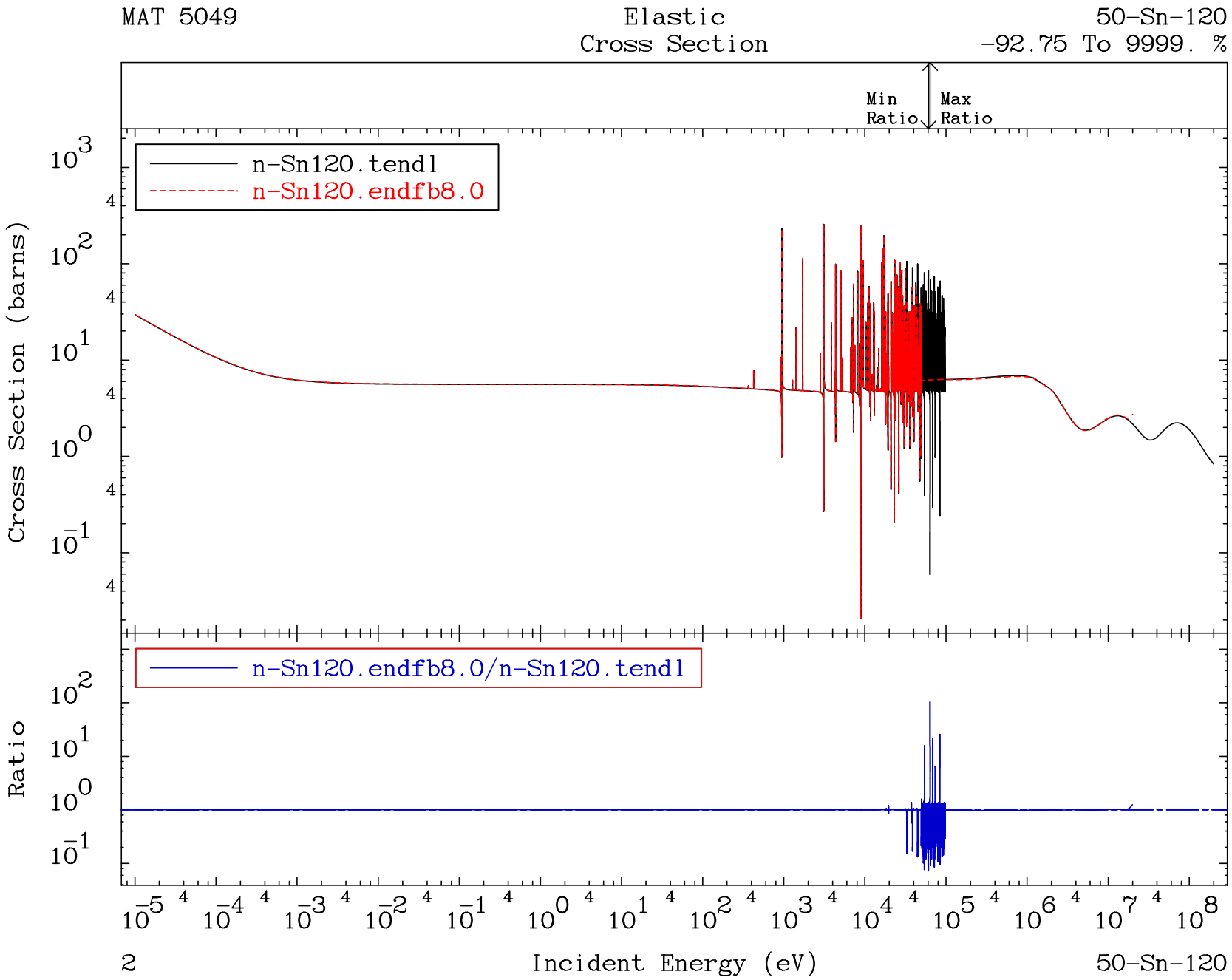
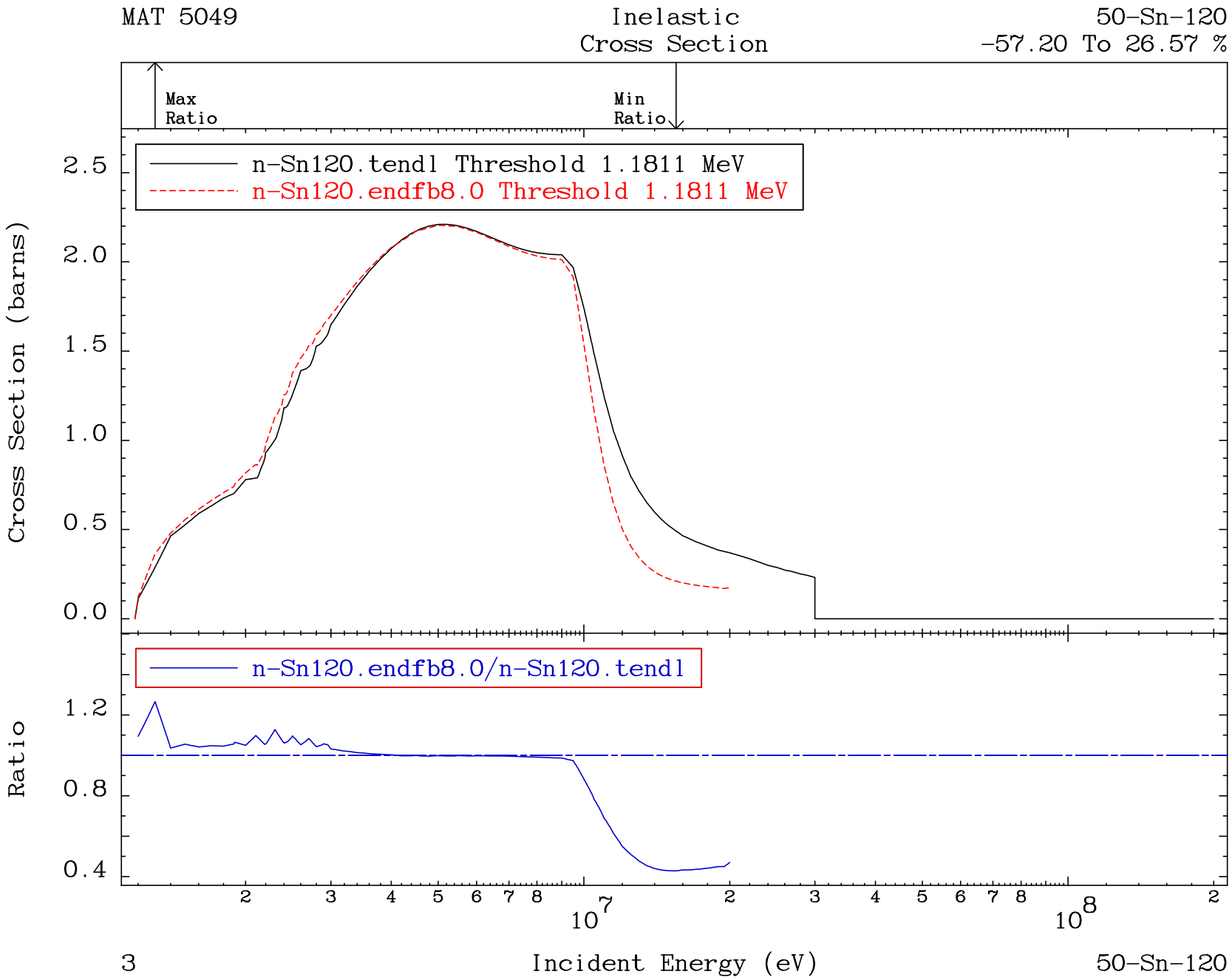
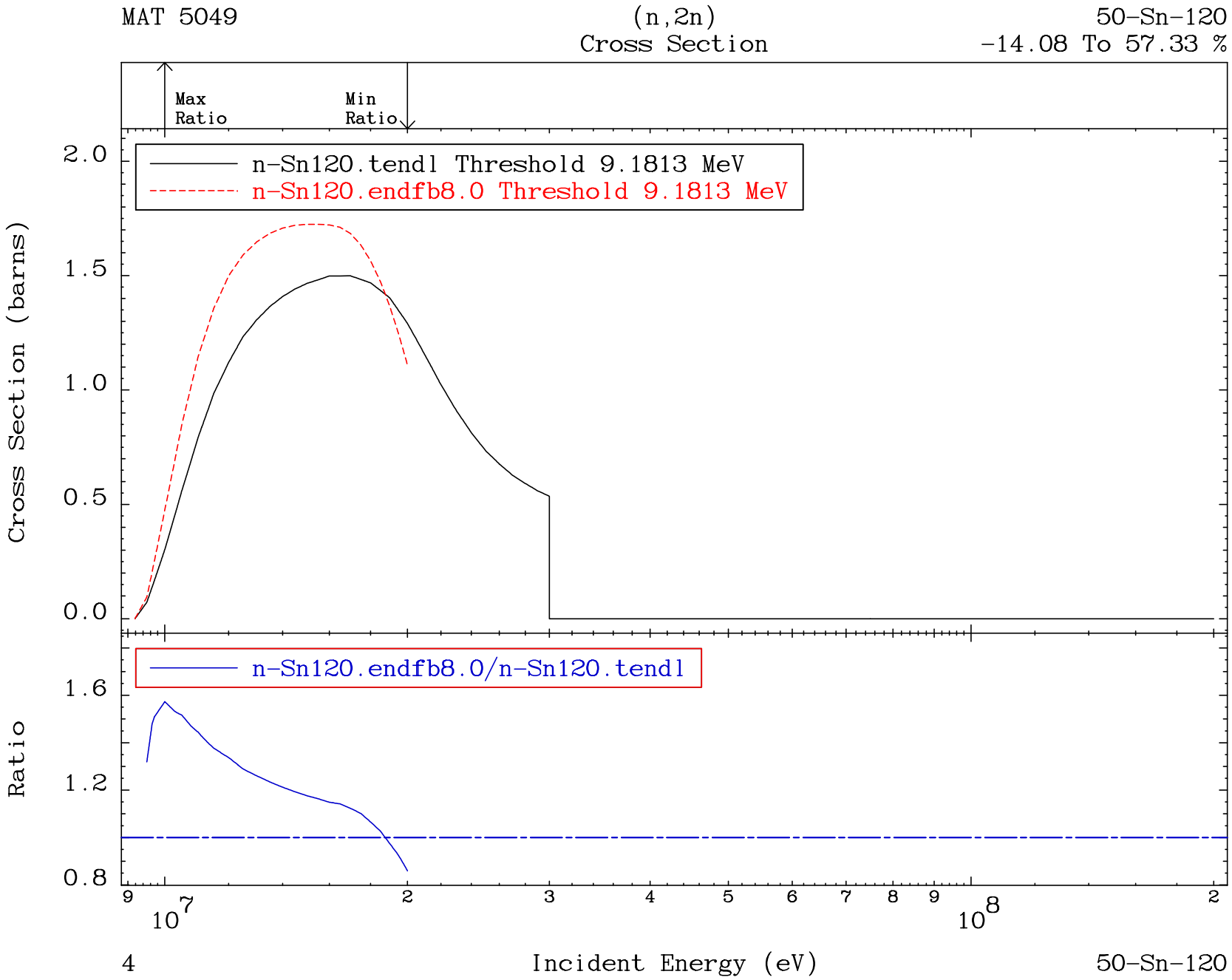
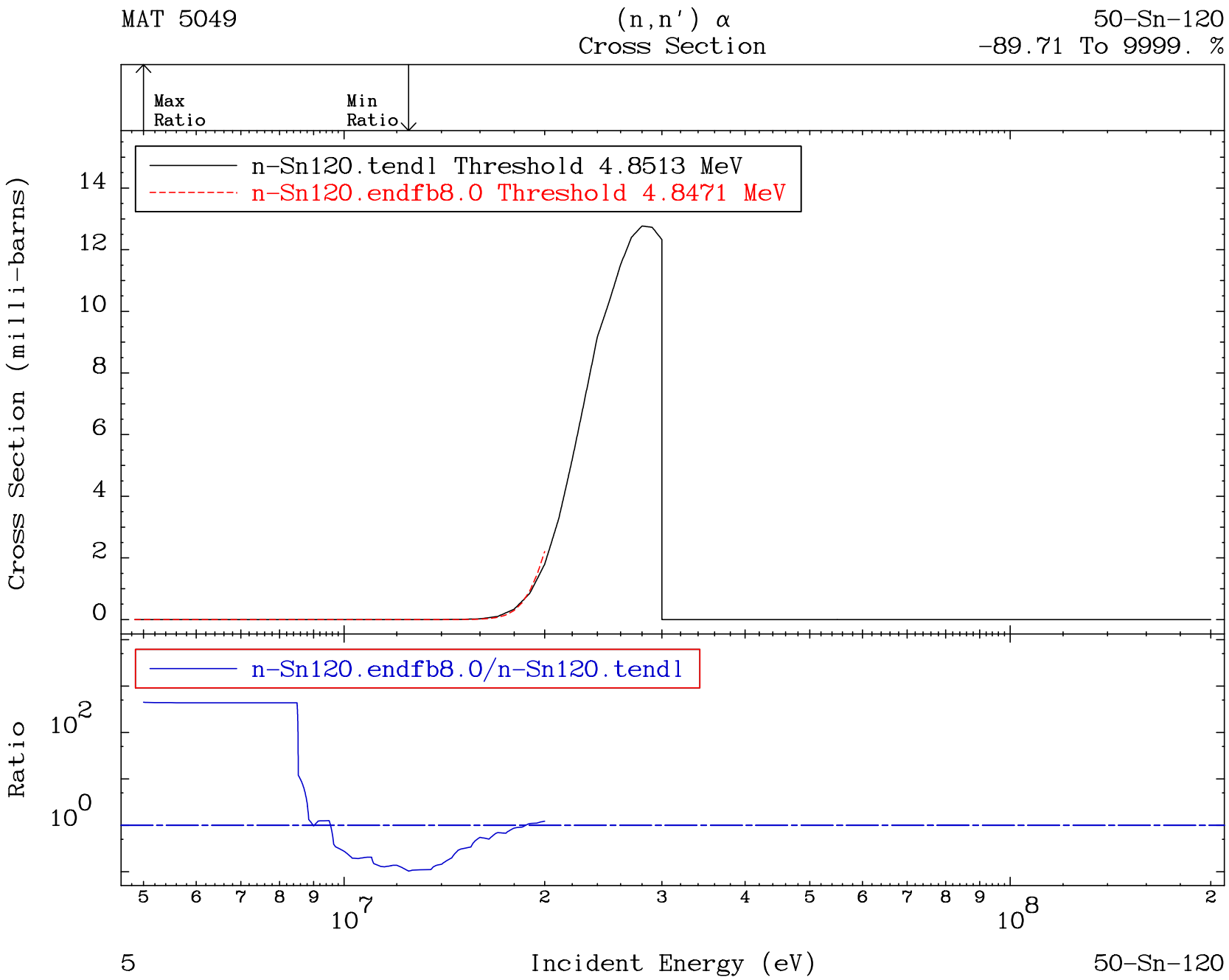
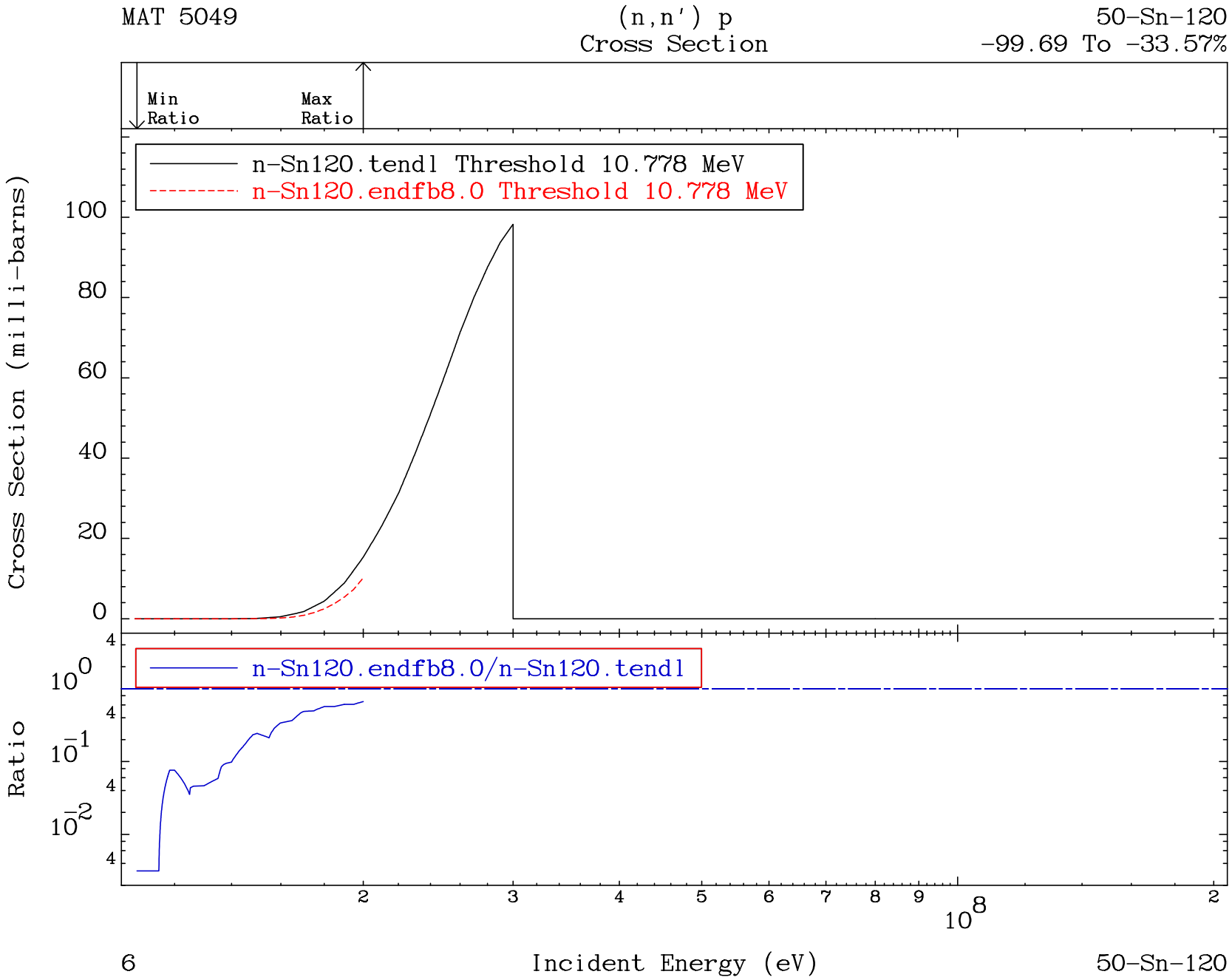

MAT 5049
Total
Cross Section
50-Sn-120
-92.74 To 9705. %
Min Ratio
Max Ratio
n-Sn120.tendl
n-Sn120.endfb8.0
Cross Section (barns)
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
Incident Energy (eV)
1
50-Sn-120

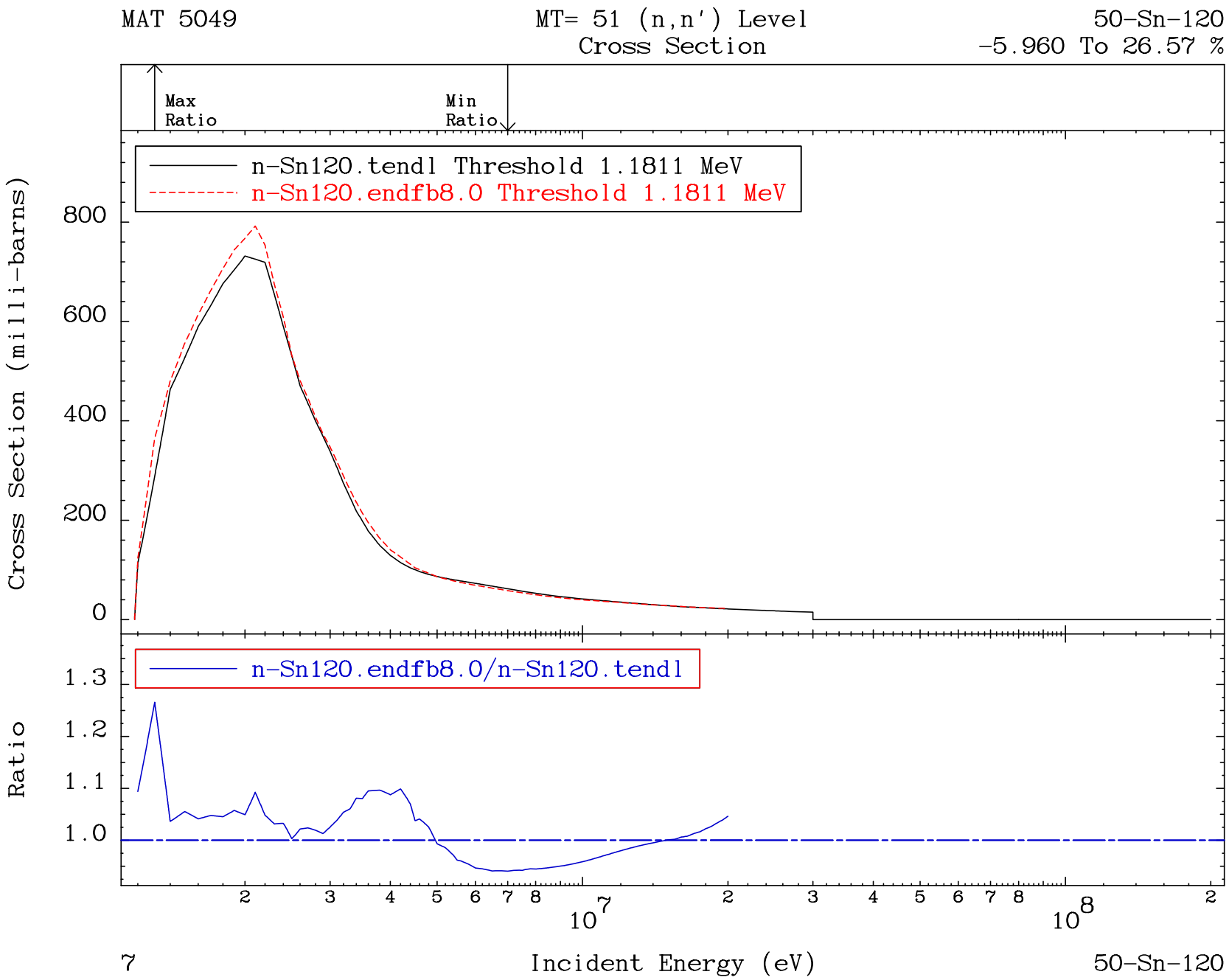

MAT 5049
Elastic
Cross Section
50-Sn-120
-92.75 To 9999. %
Min Ratio
Max Ratio
n-Sn120.tendl
n-Sn120.endfb8.0
Cross Section (barns)
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
Incident Energy (eV)
2
50-Sn-120

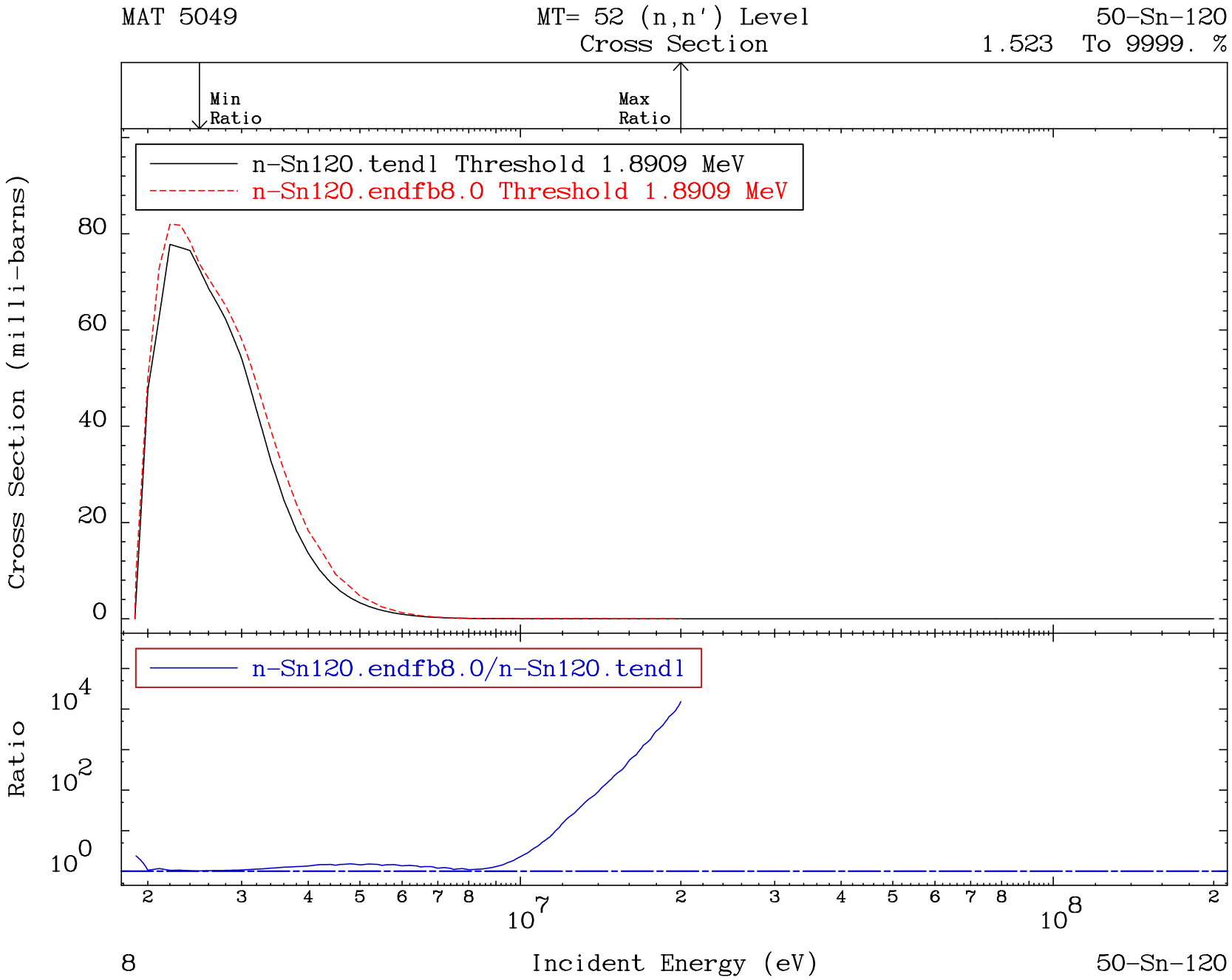

MAT 5049
Inelastic
Cross Section
50-Sn-120
-57.20 To 26.57 %
Max
Ratio
Min
Ratio
n-Sn120.tendl Threshold 1.1811 MeV
n-Sn120.endfb8.0 Threshold 1.1811 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
1.2
0.8
0.4
2
3
4
5
6
7
8
10^7
10^8
3
Incident Energy (eV)
50-Sn-120

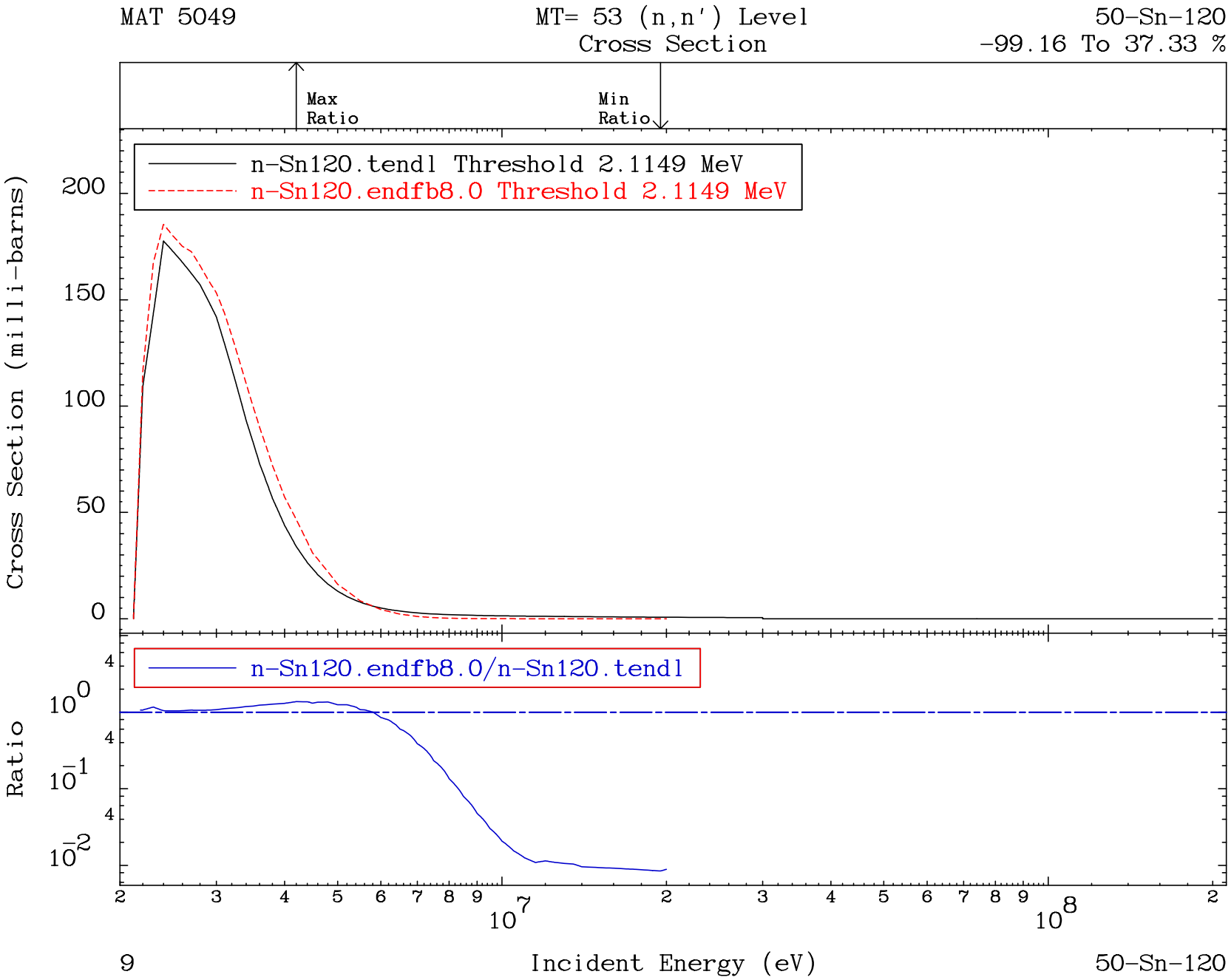

MAT 5049
(n,2n)
Cross Section
50-Sn-120
-14.08 To 57.33 %
Max Ratio
Min Ratio
n-Sn120.tendl Threshold 9.1813 MeV
n-Sn120.endfb8.0 Threshold 9.1813 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
1.6
1.2
0.8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
50-Sn-120

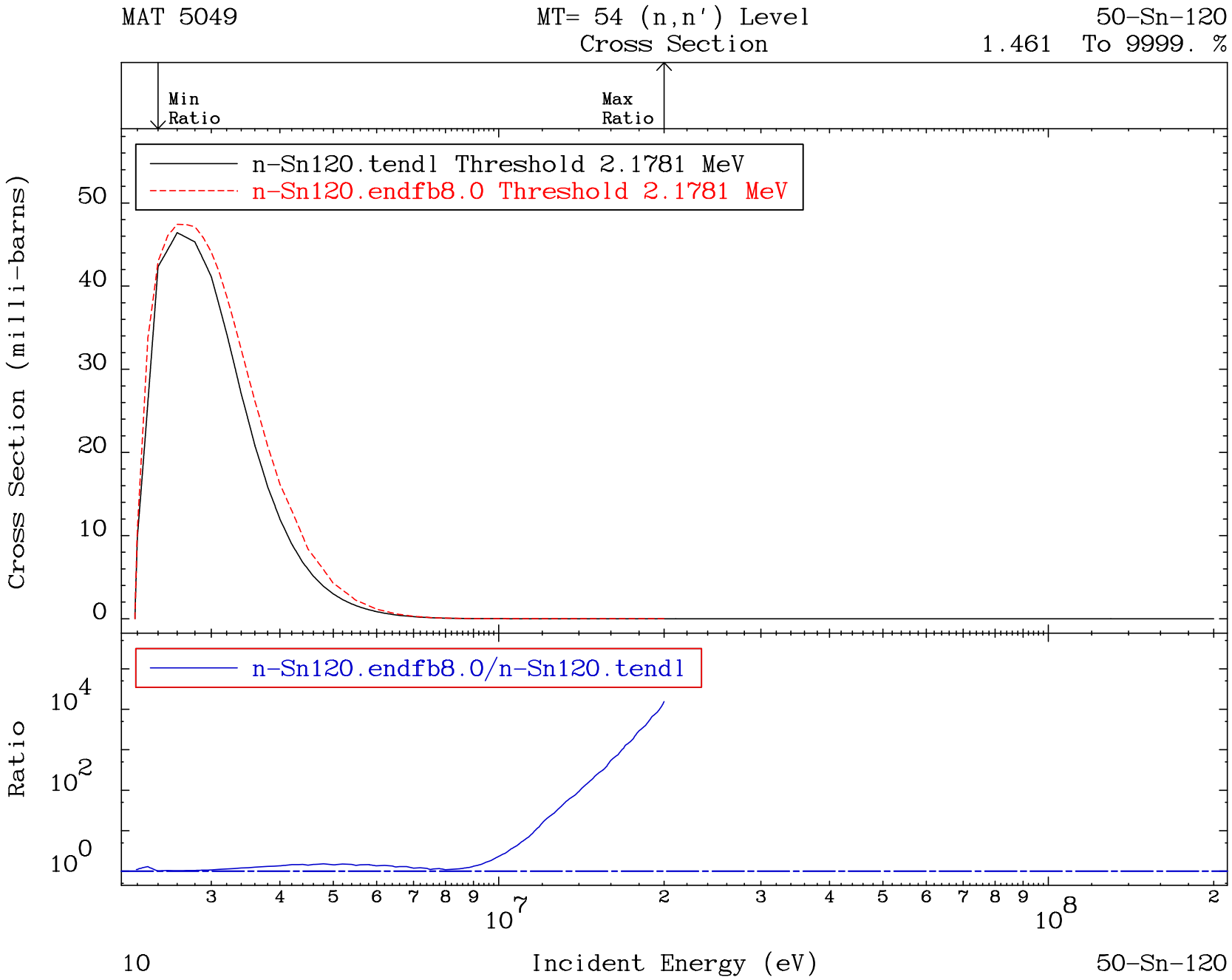

MAT 5049
(n,n') α
Cross Section
50-Sn-120
-89.71 To 9999. %
Max Ratio
Min Ratio
n-Sn120.tendl Threshold 4.8513 MeV
n-Sn120.endfb8.0 Threshold 4.8471 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
12
14
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^2
10^0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
5
Incident Energy (eV)
50-Sn-120

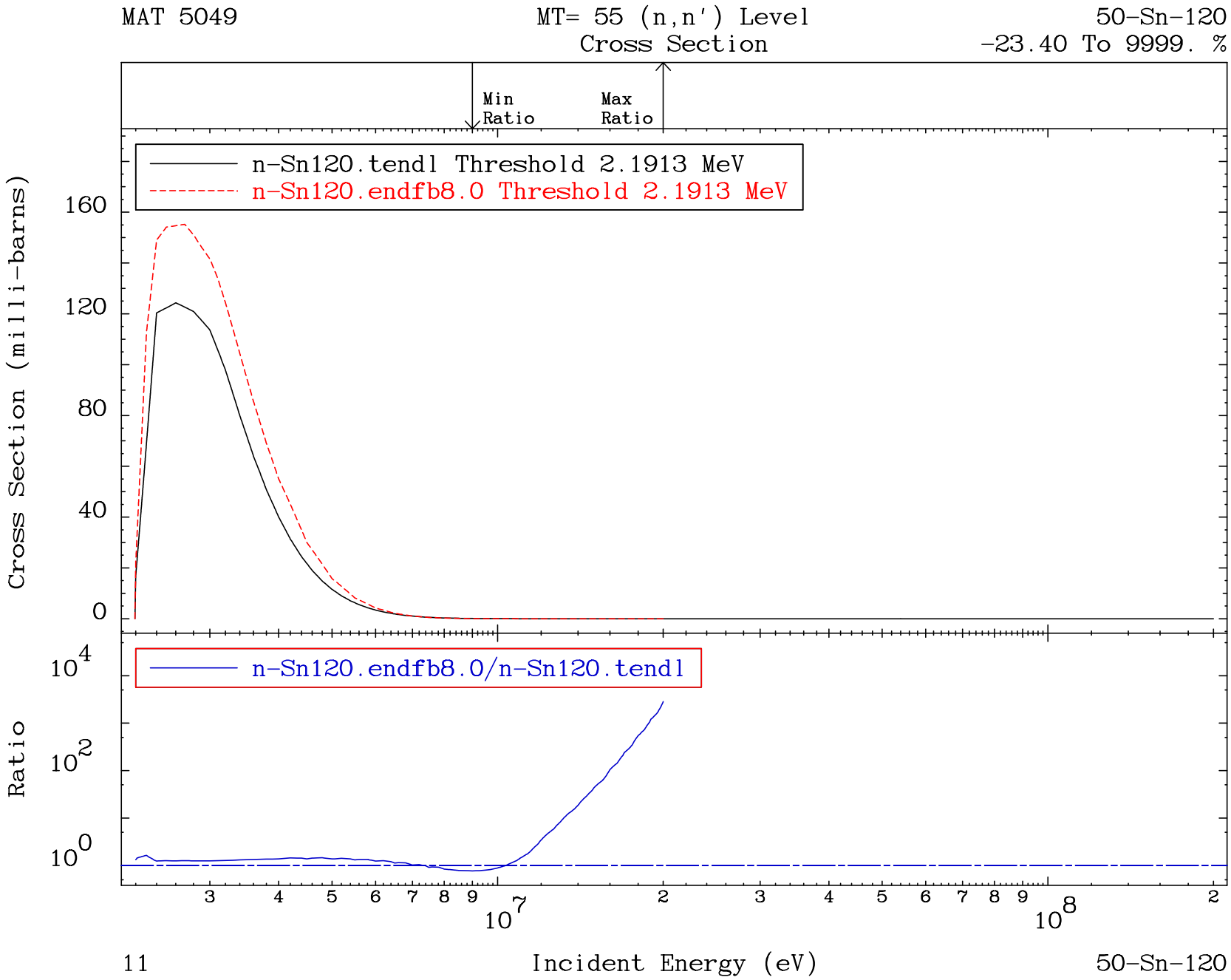

MAT 5049
(n,n') p
Cross Section
50-Sn-120
-99.69 To -33.57%
Min Ratio
Max Ratio
n-Sn120.tendl Threshold 10.778 MeV
n-Sn120.endfb8.0 Threshold 10.778 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^0
10^-1
10^-2
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
50-Sn-120

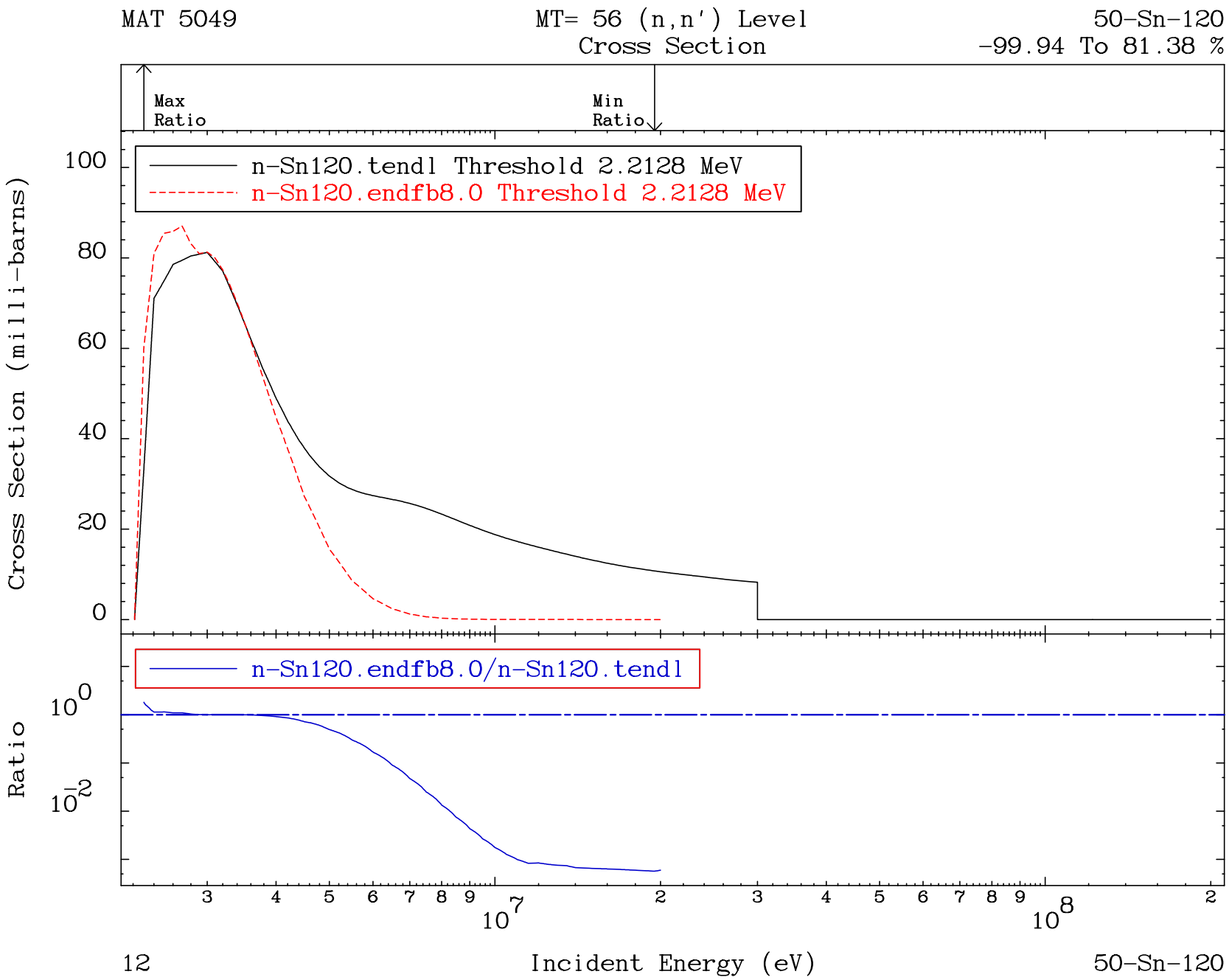

MAT 5049
MT= 51 (n,n') Level
Cross Section
50-Sn-120
-5.960 To 26.57 %
Max Ratio
Min Ratio
n-Sn120.tendl Threshold 1.1811 MeV
n-Sn120.endfb8.0 Threshold 1.1811 MeV
Cross Section (milli-barns)
800
600
400
200
0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
1.3
1.2
1.1
1.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
7
Incident Energy (eV)
50-Sn-120

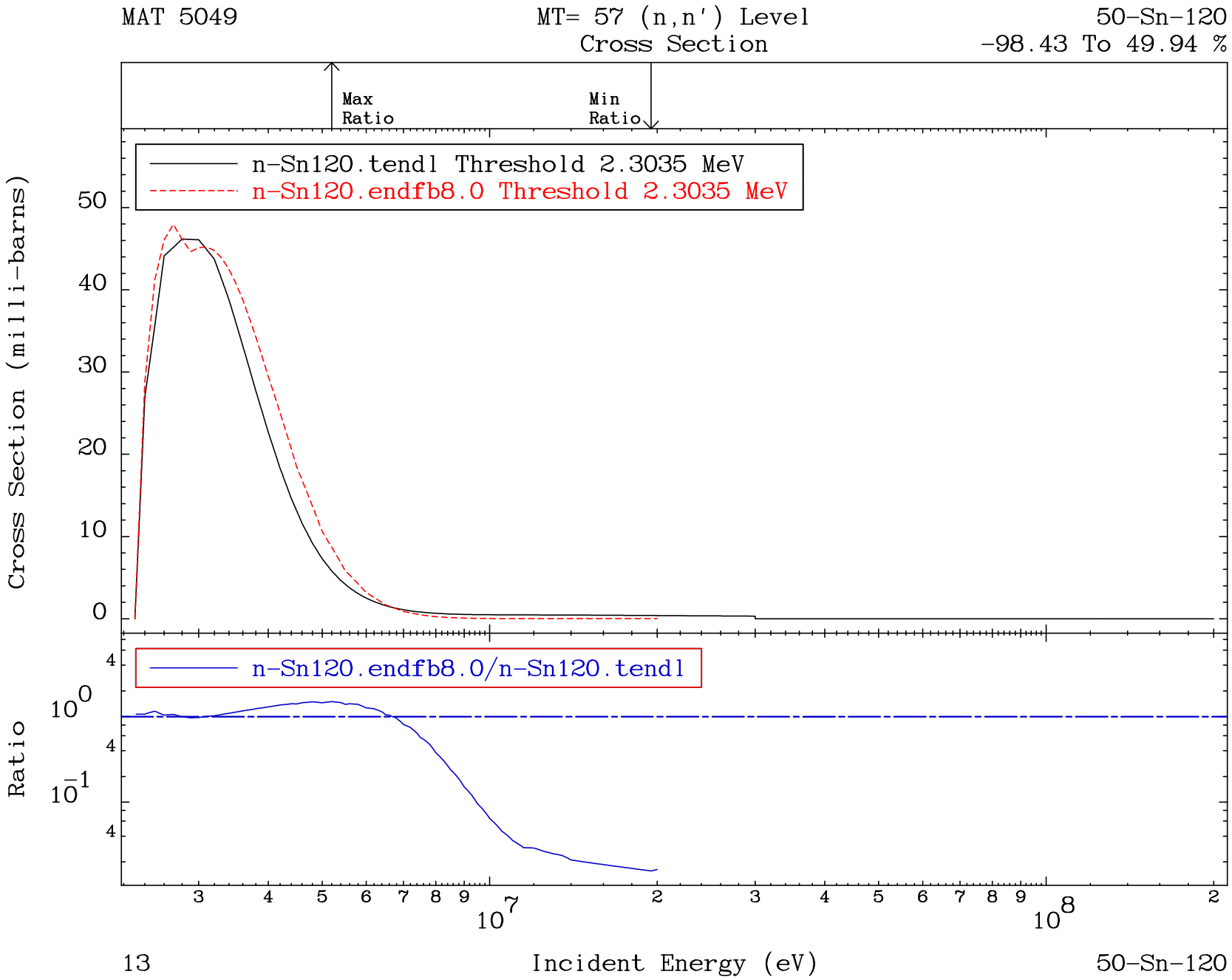

MAT 5049
MT= 52 (n,n') Level
Cross Section
50-Sn-120
1.523 To 9999. %
Min Ratio
Max Ratio
n-Sn120.tendl Threshold 1.8909 MeV
n-Sn120.endfb8.0 Threshold 1.8909 MeV
Cross Section (milli-barns)
0
20
40
60
80
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^0
10^2
10^4
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
8
50-Sn-120

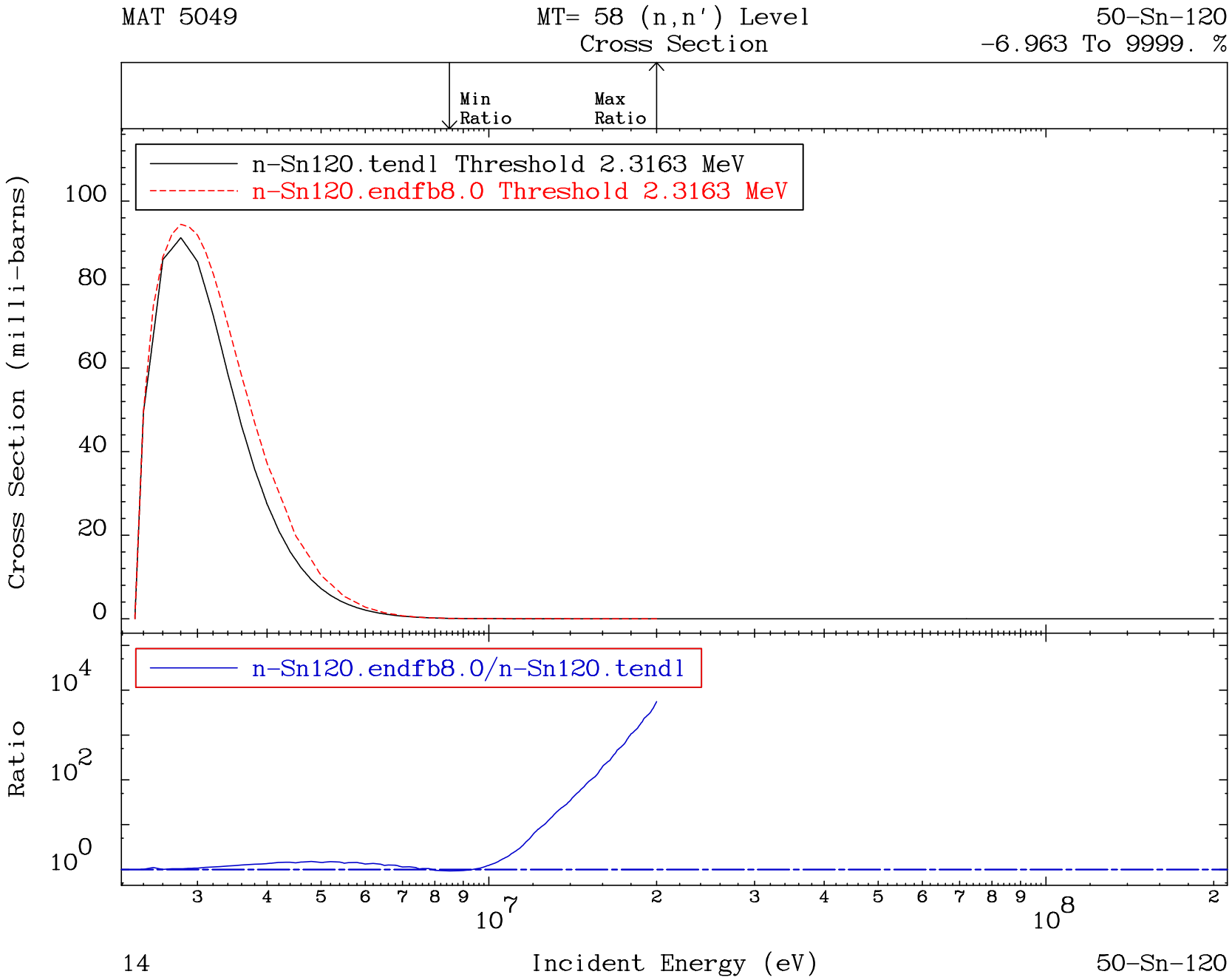

MAT 5049
MT= 53 (n,n') Level
Cross Section
50-Sn-120
-99.16 To 37.33 %
Max Ratio
Min Ratio
n-Sn120.tendl Threshold 2.1149 MeV
n-Sn120.endfb8.0 Threshold 2.1149 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^{0}
10^{-1}
10^{-2}
2 3 4 5 6 7 8 9 10^{7} 2 3 4 5 6 7 8 9 10^{8} 2
9
Incident Energy (eV)
50-Sn-120

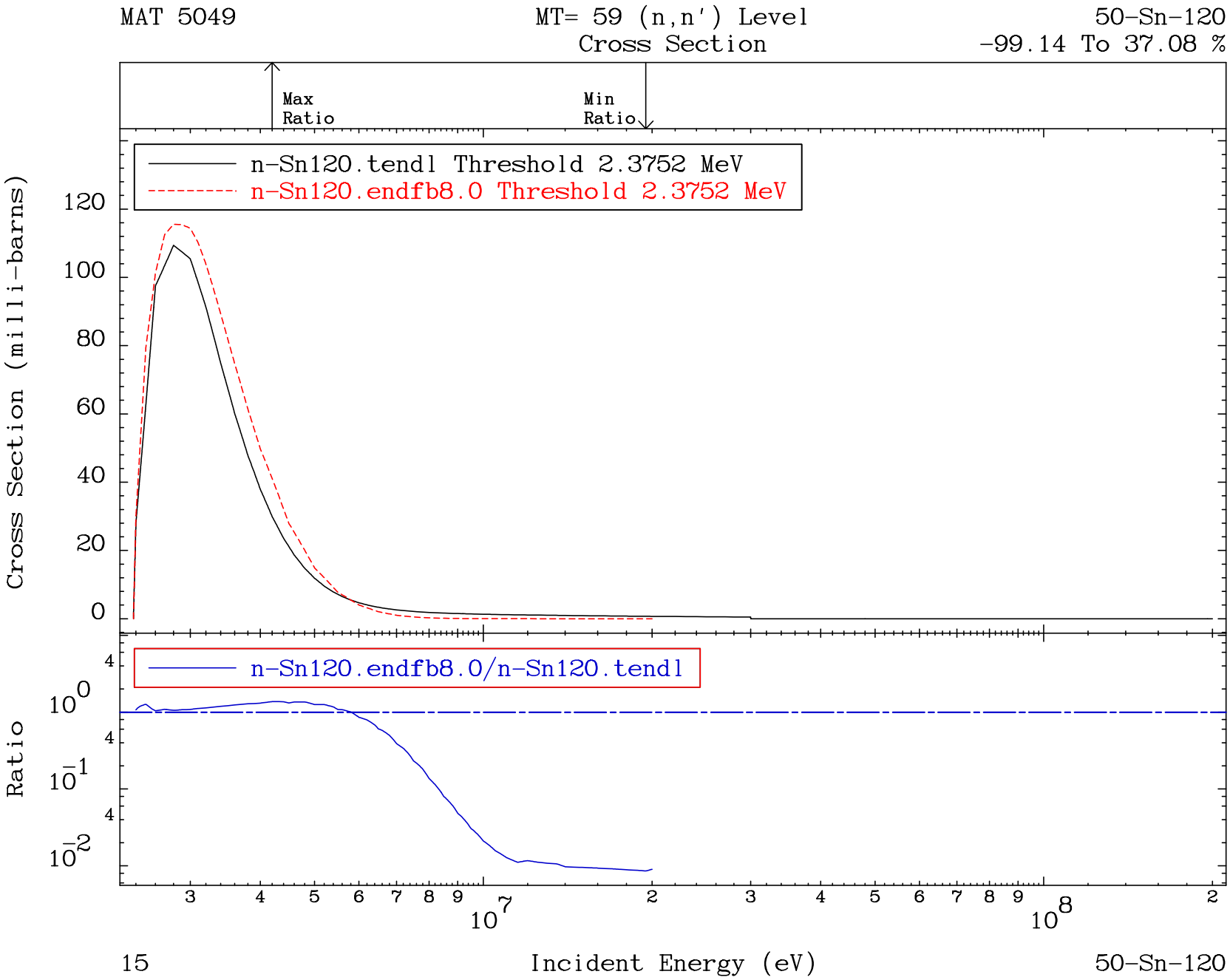

MAT 5049
MT= 54 (n,n') Level
Cross Section
50-Sn-120
1.461 To 9999. %
Min Ratio
Max Ratio
n-Sn120.tendl Threshold 2.1781 MeV
n-Sn120.endfb8.0 Threshold 2.1781 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^4
10^2
10^0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
10
Incident Energy (eV)
50-Sn-120

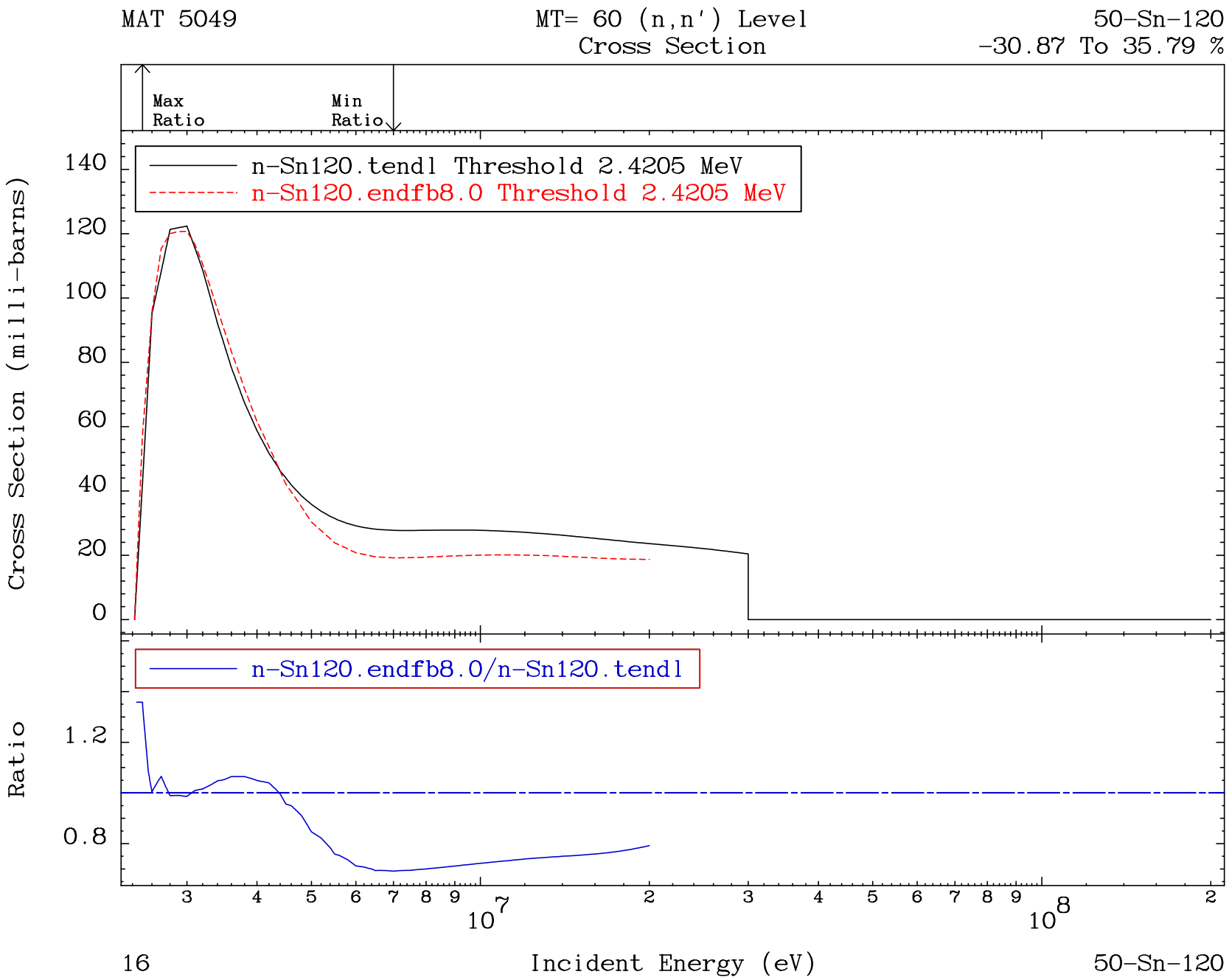

MAT 5049
MT= 55 (n,n') Level
Cross Section
50-Sn-120
-23.40 To 9999. %
Min Ratio
Max Ratio
n-Sn120.tendl Threshold 2.1913 MeV
n-Sn120.endfb8.0 Threshold 2.1913 MeV
Cross Section (milli-barns)
160
120
80
40
0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^4
10^2
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
11
Incident Energy (eV)
50-Sn-120

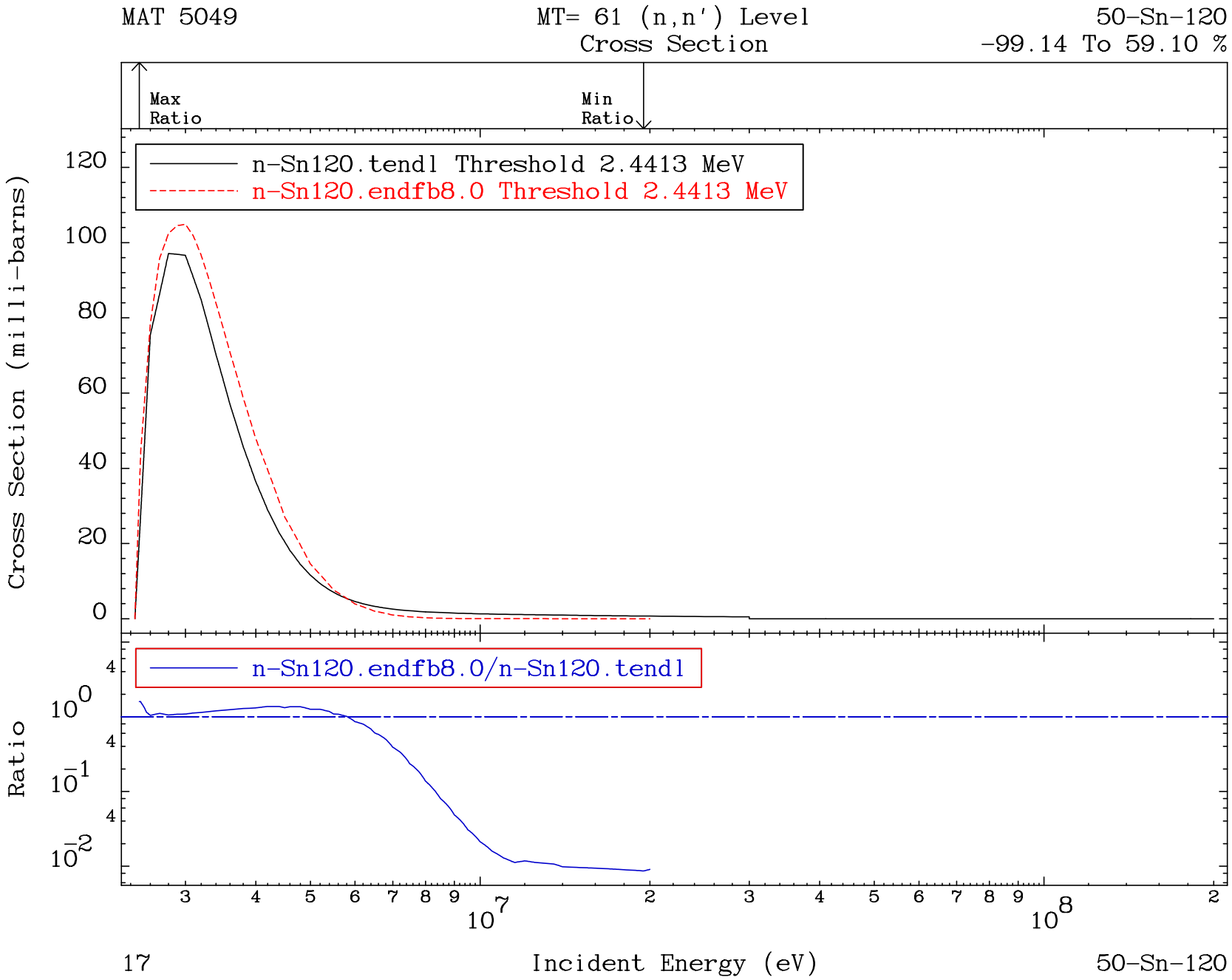

MAT 5049
MT= 56 (n,n') Level
Cross Section
50-Sn-120
-99.94 To 81.38 %
Max Ratio
Min Ratio
n-Sn120.tendl Threshold 2.2128 MeV
n-Sn120.endfb8.0 Threshold 2.2128 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^0
10^-2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
12
Incident Energy (eV)
50-Sn-120

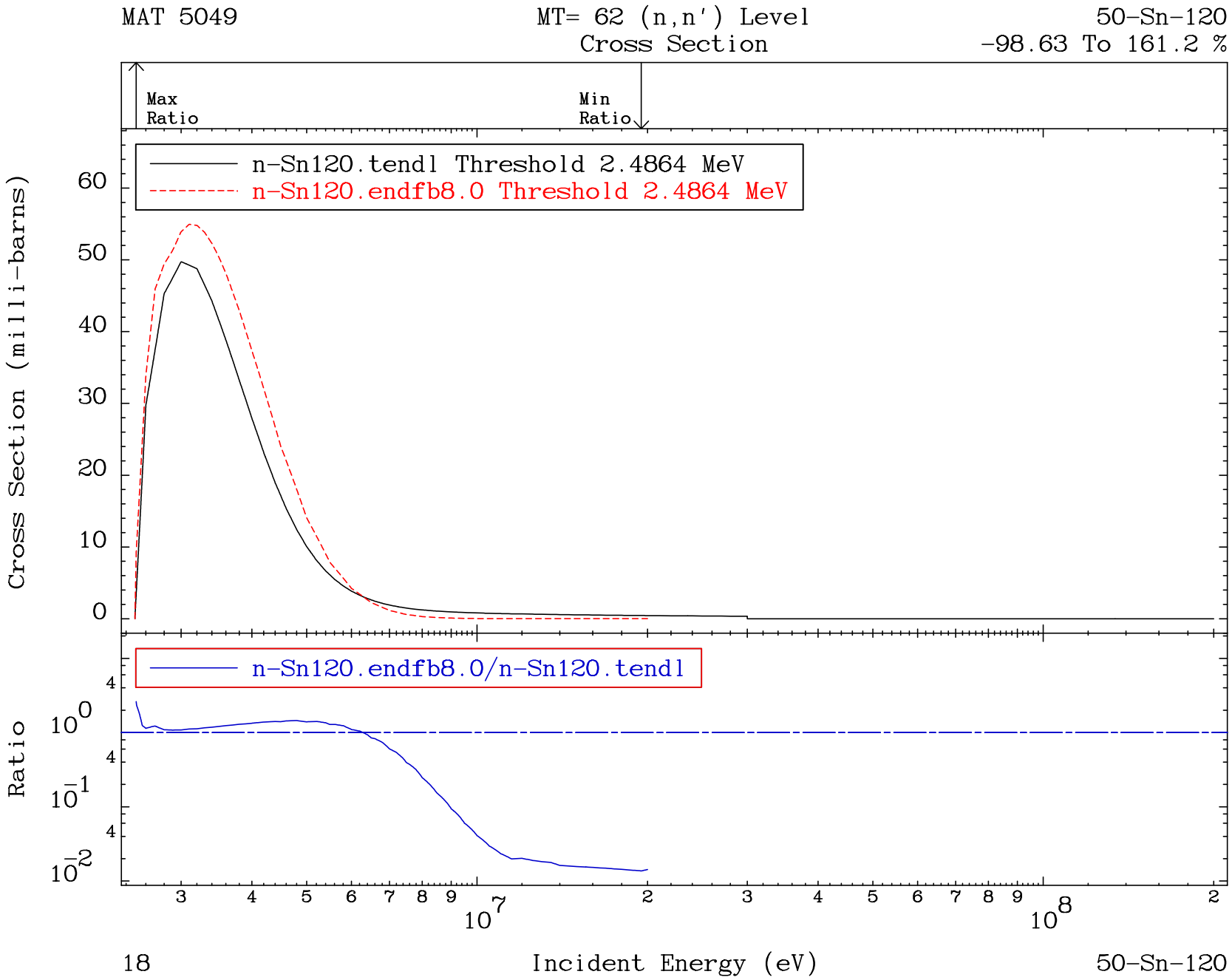

MAT 5049
MT= 57 (n,n') Level
Cross Section
50-Sn-120
-98.43 To 49.94 %
Max
Ratio
Min
Ratio
n-Sn120.tendl Threshold 2.3035 MeV
n-Sn120.endfb8.0 Threshold 2.3035 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^0
10^-1
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
13
Incident Energy (eV)
50-Sn-120

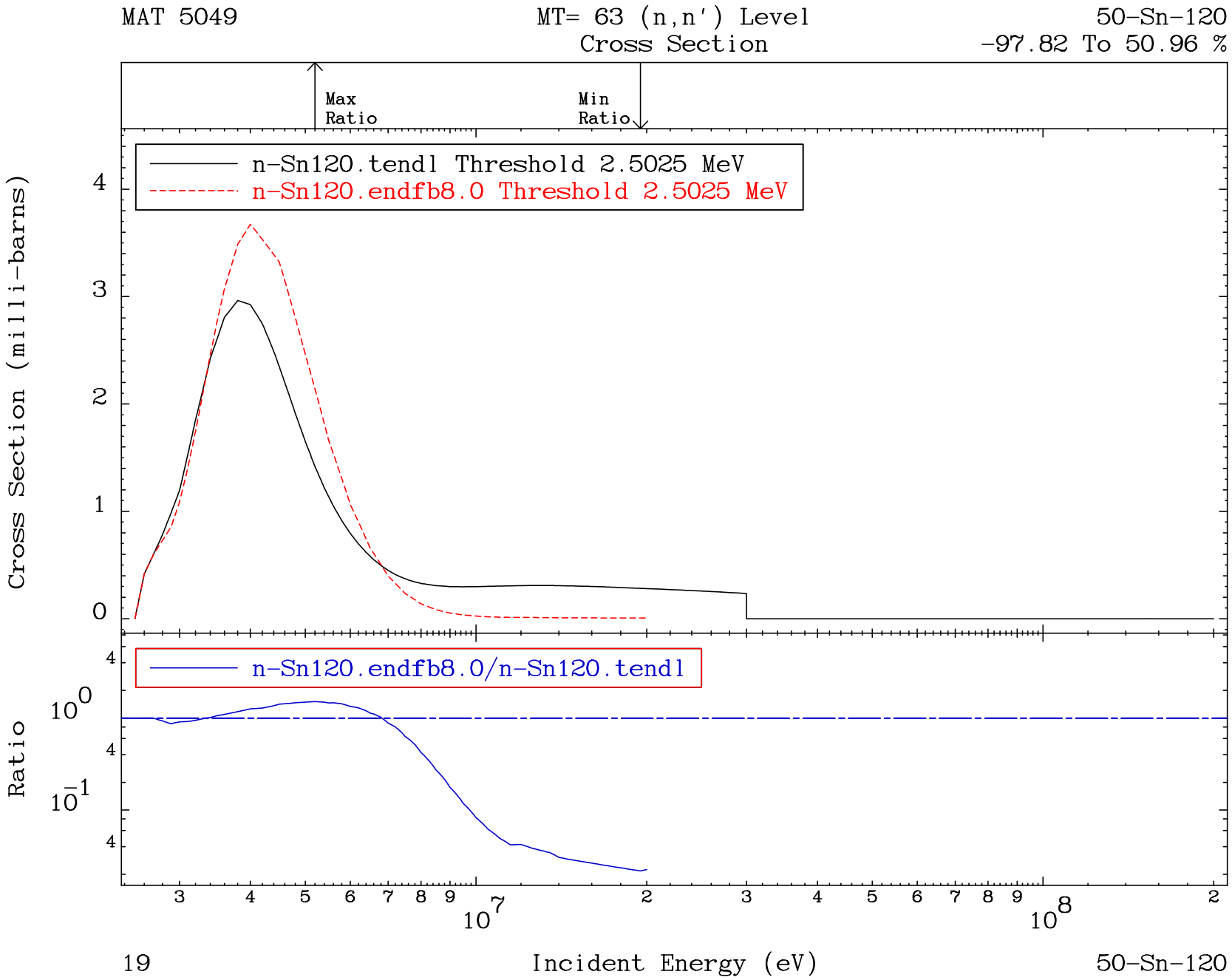

MAT 5049
MT= 58 (n,n') Level
Cross Section
50-Sn-120
-6.963 To 9999. %
Min Ratio
Max Ratio
n-Sn120.tendl Threshold 2.3163 MeV
n-Sn120.endfb8.0 Threshold 2.3163 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^4
10^2
10^0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
14
Incident Energy (eV)
50-Sn-120

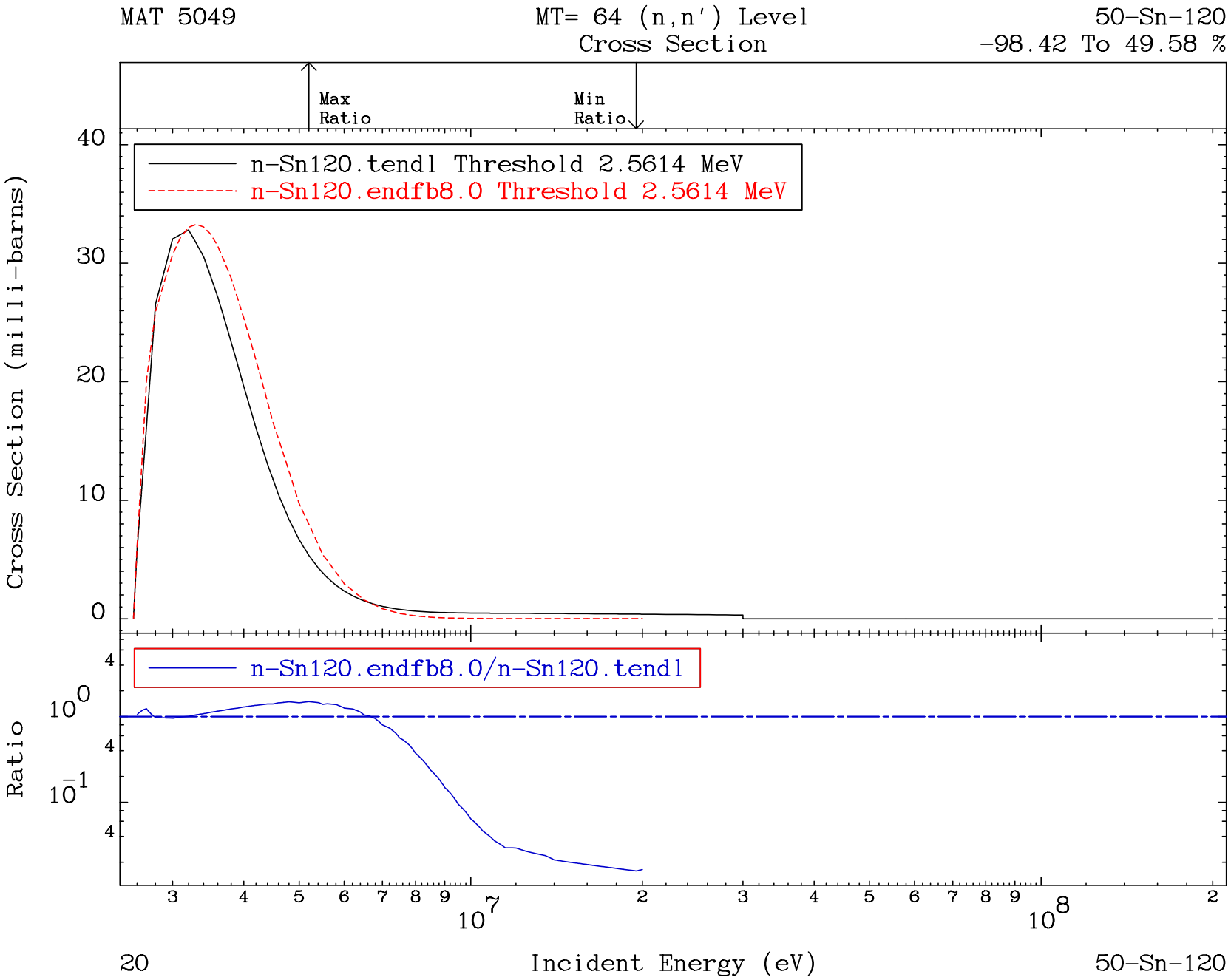

MAT 5049
MT= 59 (n,n') Level
Cross Section
50-Sn-120
-99.14 To 37.08 %
Max
Ratio
Min
Ratio
n-Sn120.tendl Threshold 2.3752 MeV
n-Sn120.endfb8.0 Threshold 2.3752 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^0
10^-1
10^-2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
15
Incident Energy (eV)
50-Sn-120

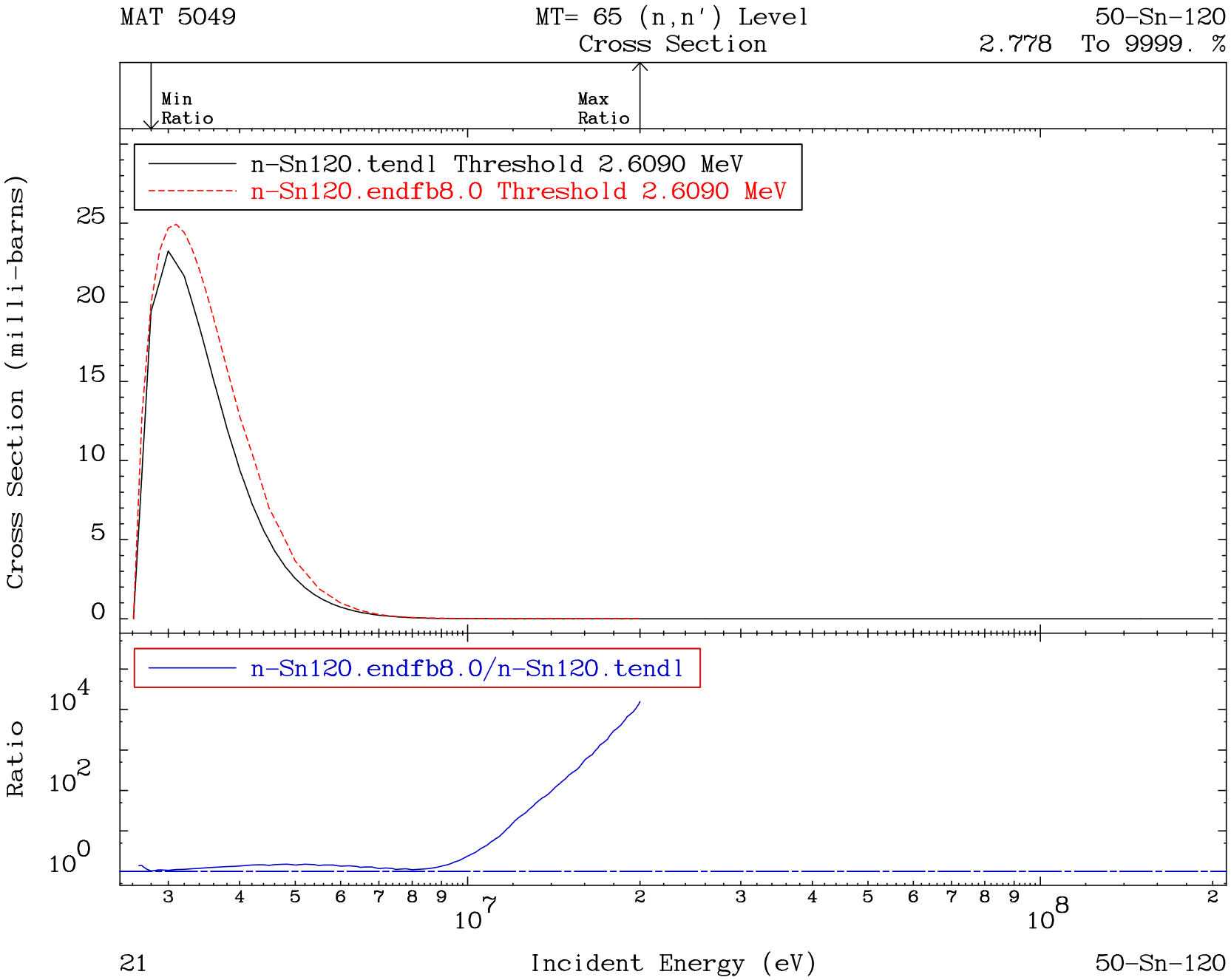

MAT 5049
MT= 60 (n,n') Level
Cross Section
50-Sn-120
-30.87 To 35.79 %
Max Ratio
Min Ratio
n-Sn120.tendl Threshold 2.4205 MeV
n-Sn120.endfb8.0 Threshold 2.4205 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
1.2
0.8
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
16
Incident Energy (eV)
50-Sn-120

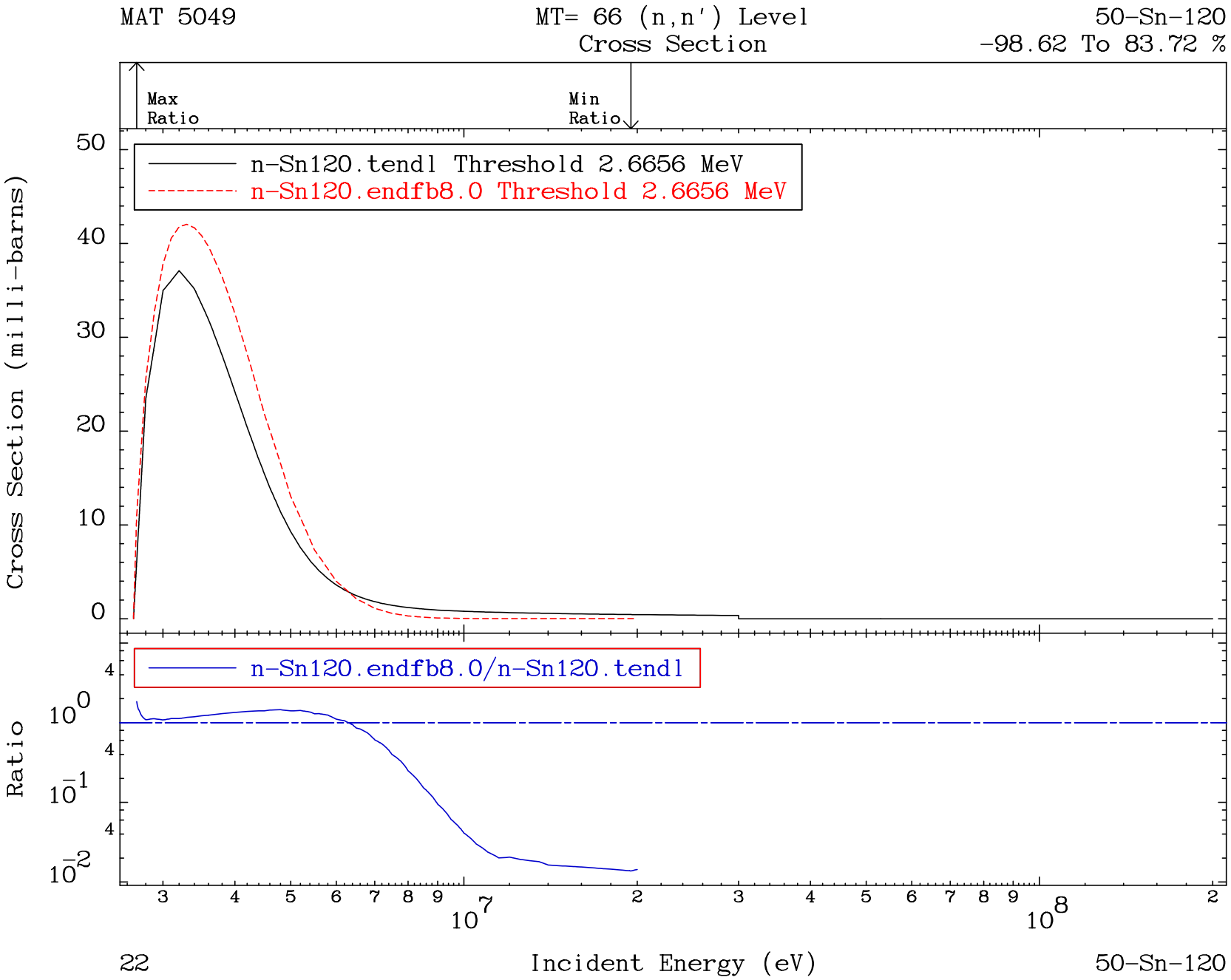

MAT 5049
MT= 61 (n,n') Level
Cross Section
50-Sn-120
-99.14 To 59.10 %
Max
Ratio
Min
Ratio
n-Sn120.tendl Threshold 2.4413 MeV
n-Sn120.endfb8.0 Threshold 2.4413 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^0
10^-1
10^-2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
17
Incident Energy (eV)
50-Sn-120

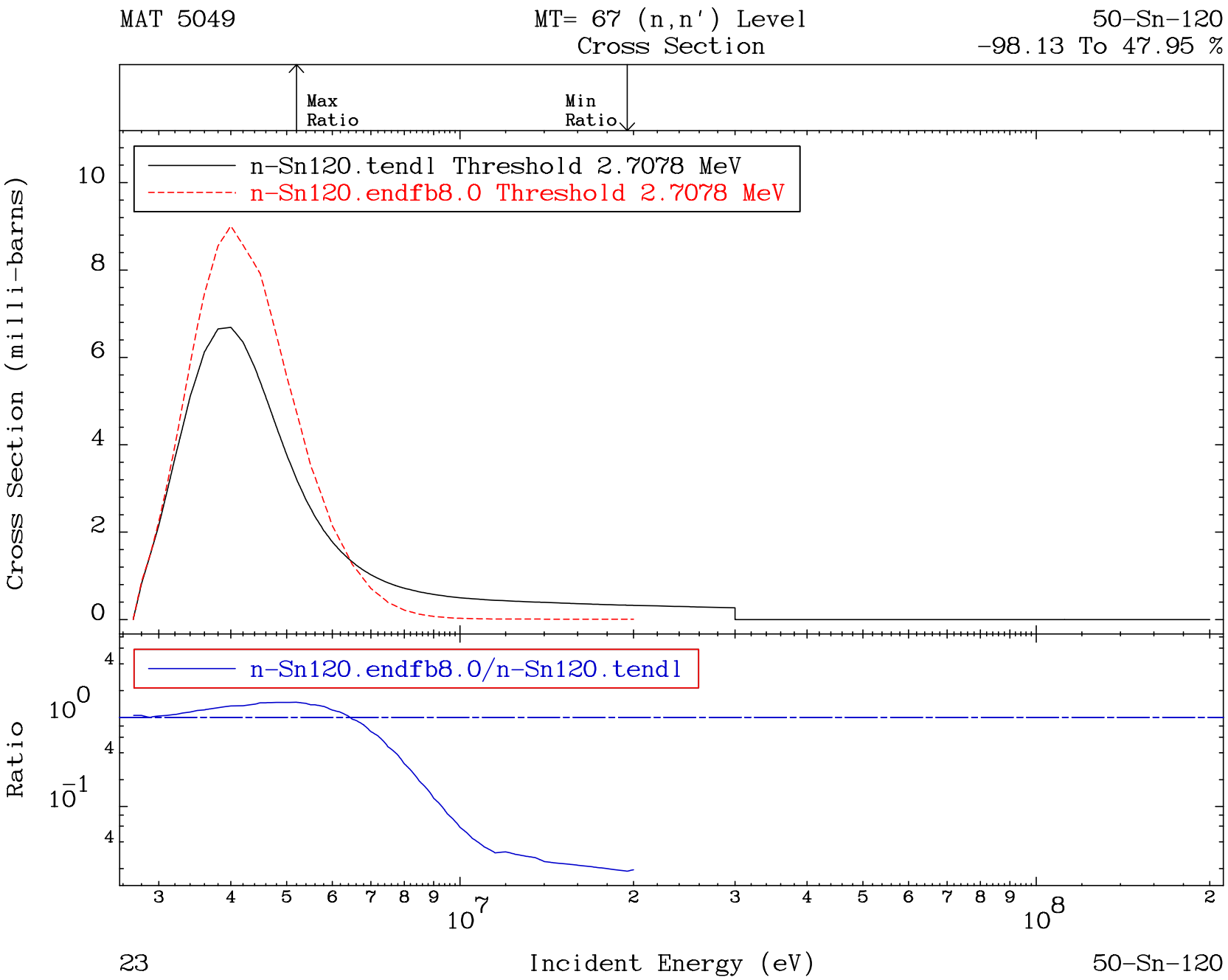

MAT 5049
MT= 62 (n,n') Level
Cross Section
50-Sn-120
-98.63 To 161.2 %
Max Ratio
Min Ratio
n-Sn120.tendl Threshold 2.4864 MeV
n-Sn120.endfb8.0 Threshold 2.4864 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^0
10^-1
10^-2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
18
Incident Energy (eV)
50-Sn-120

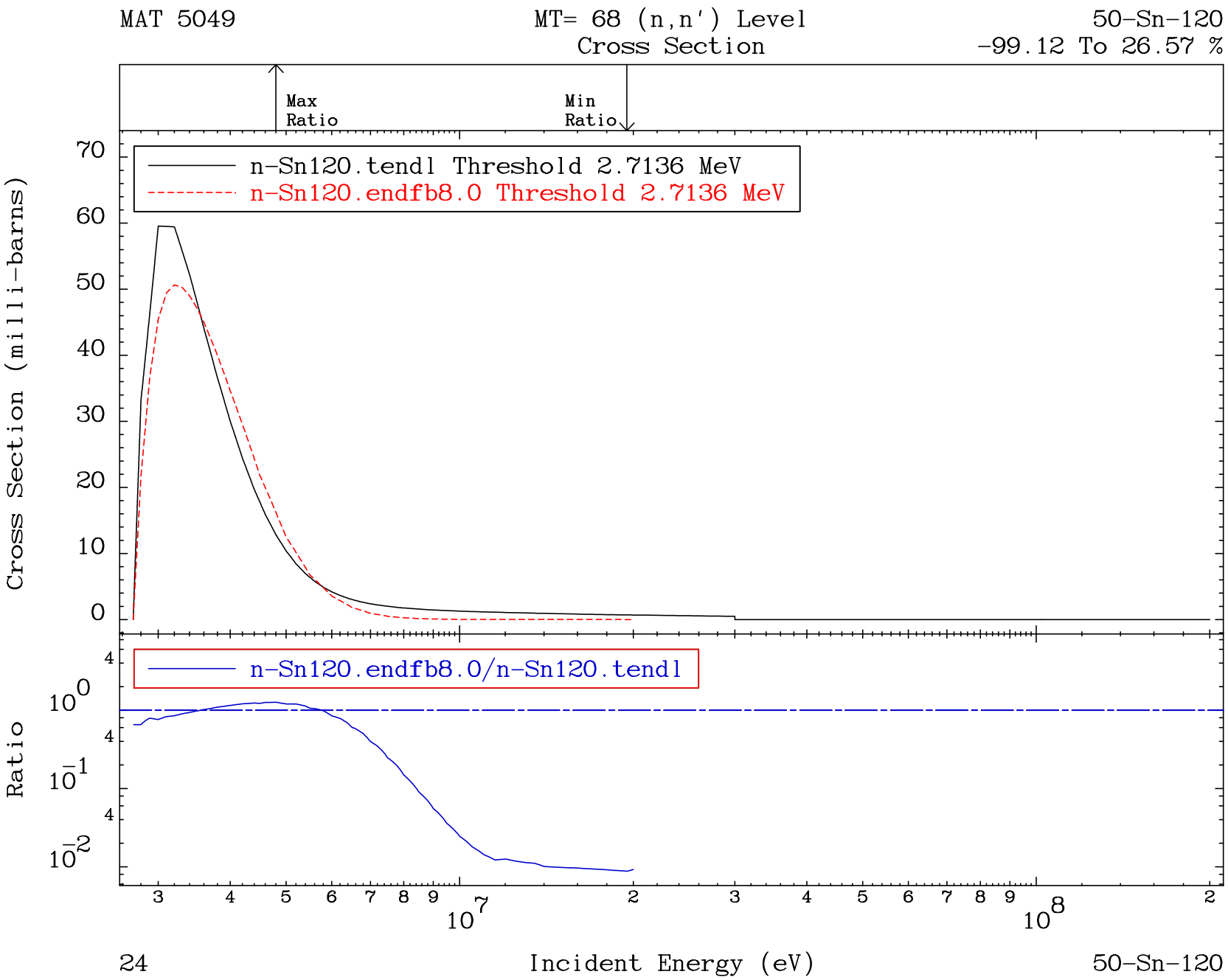

MAT 5049
MT= 63 (n,n') Level
Cross Section
50-Sn-120
-97.82 To 50.96 %
Max
Ratio
Min
Ratio
n-Sn120.tendl Threshold 2.5025 MeV
n-Sn120.endfb8.0 Threshold 2.5025 MeV
Cross Section (milli-barns)
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
Incident Energy (eV)
19
50-Sn-120

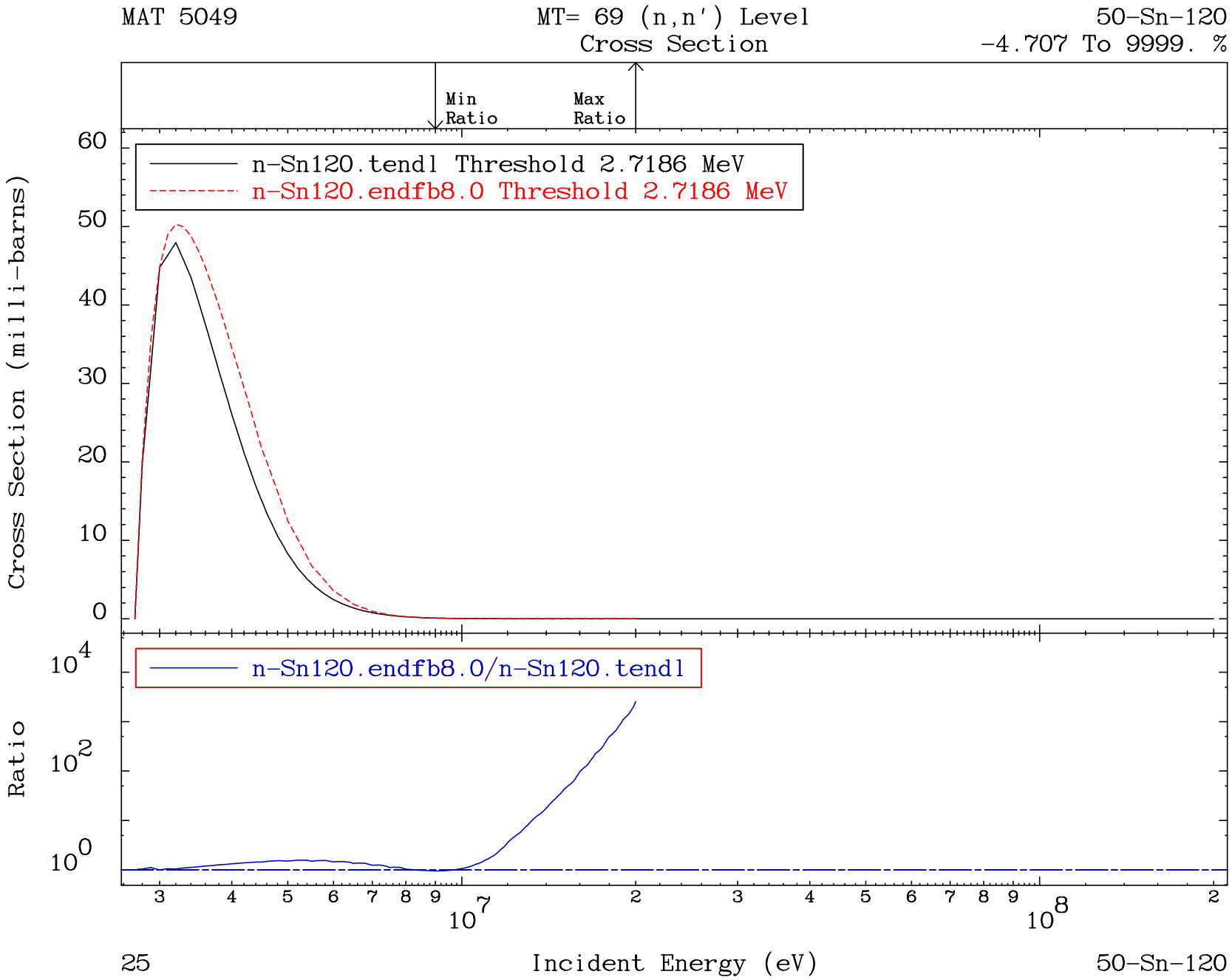

MAT 5049
MT= 64 (n,n') Level
Cross Section
50-Sn-120
-98.42 To 49.58 %
Max Ratio
Min Ratio
n-Sn120.tendl Threshold 2.5614 MeV
n-Sn120.endfb8.0 Threshold 2.5614 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^0
10^-1
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
20
Incident Energy (eV)
50-Sn-120

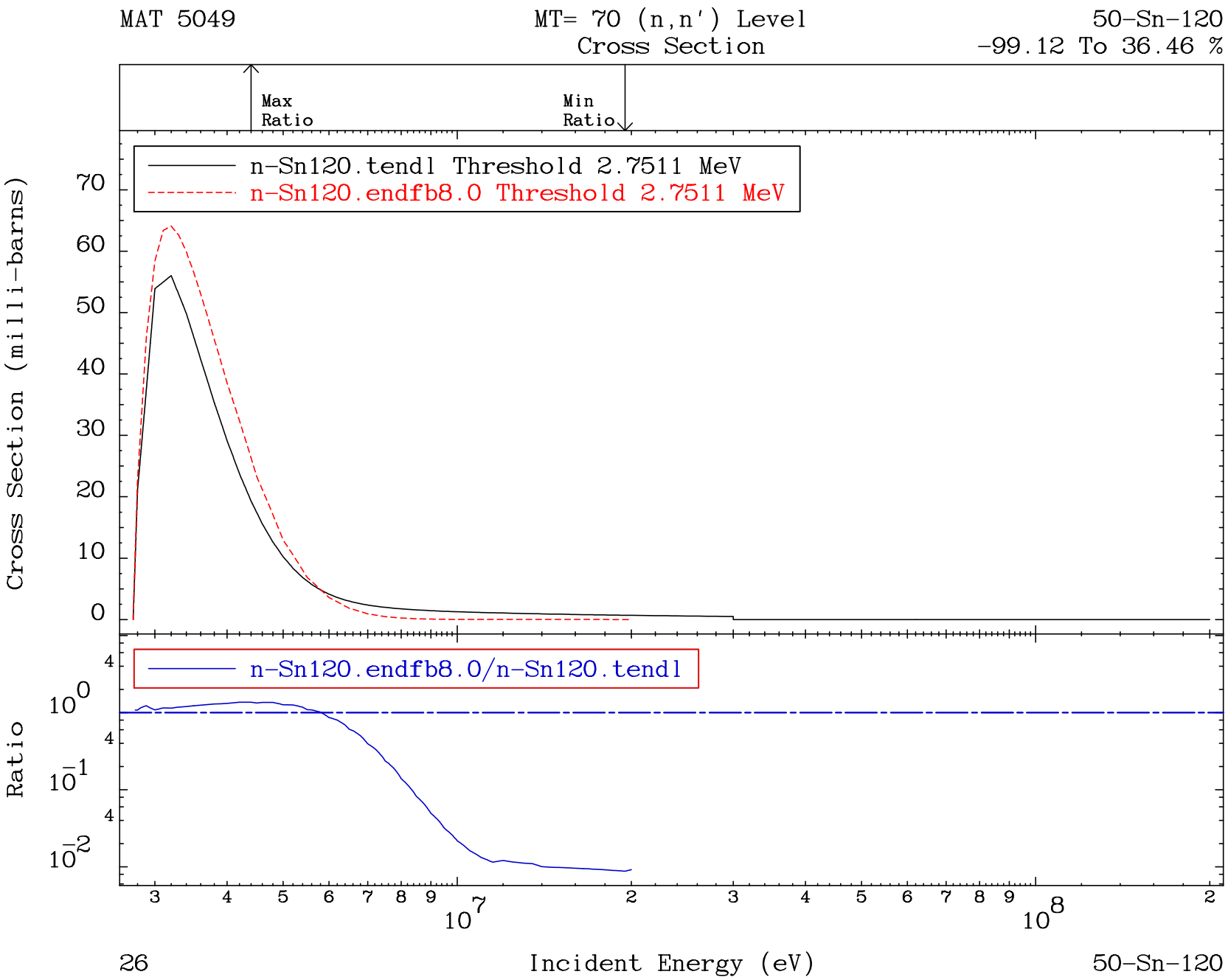

MAT 5049
MT= 65 (n,n') Level
Cross Section
50-Sn-120
2.778 To 9999. %
Min Ratio
Max Ratio
n-Sn120.tendl Threshold 2.6090 MeV
n-Sn120.endfb8.0 Threshold 2.6090 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^4
10^2
10^0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
21
Incident Energy (eV)
50-Sn-120

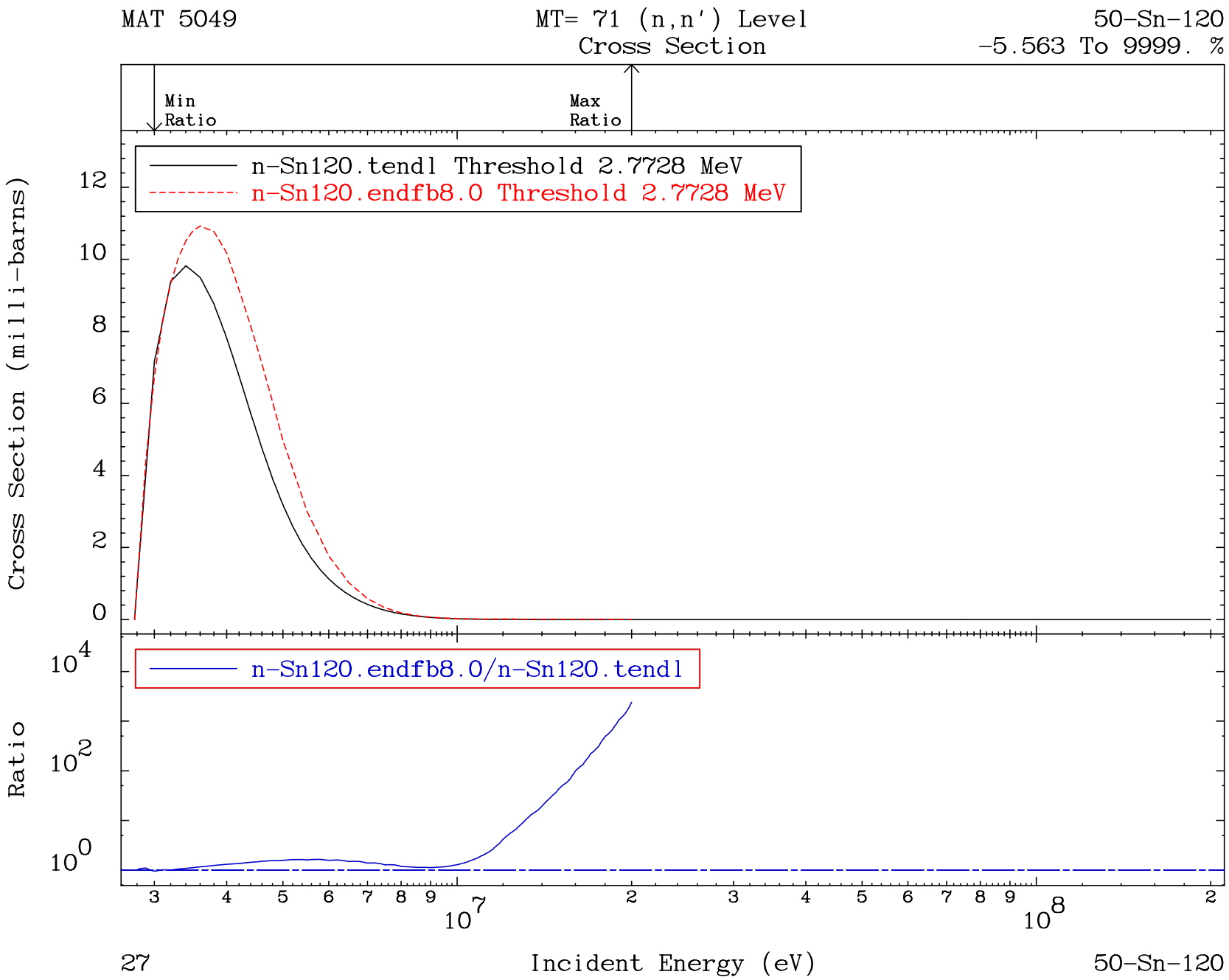

MAT 5049
MT= 66 (n,n') Level
Cross Section
50-Sn-120
-98.62 To 83.72 %
Max Ratio
Min Ratio
n-Sn120.tendl Threshold 2.6656 MeV
n-Sn120.endfb8.0 Threshold 2.6656 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^0
10^-1
10^-2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
22
Incident Energy (eV)
50-Sn-120

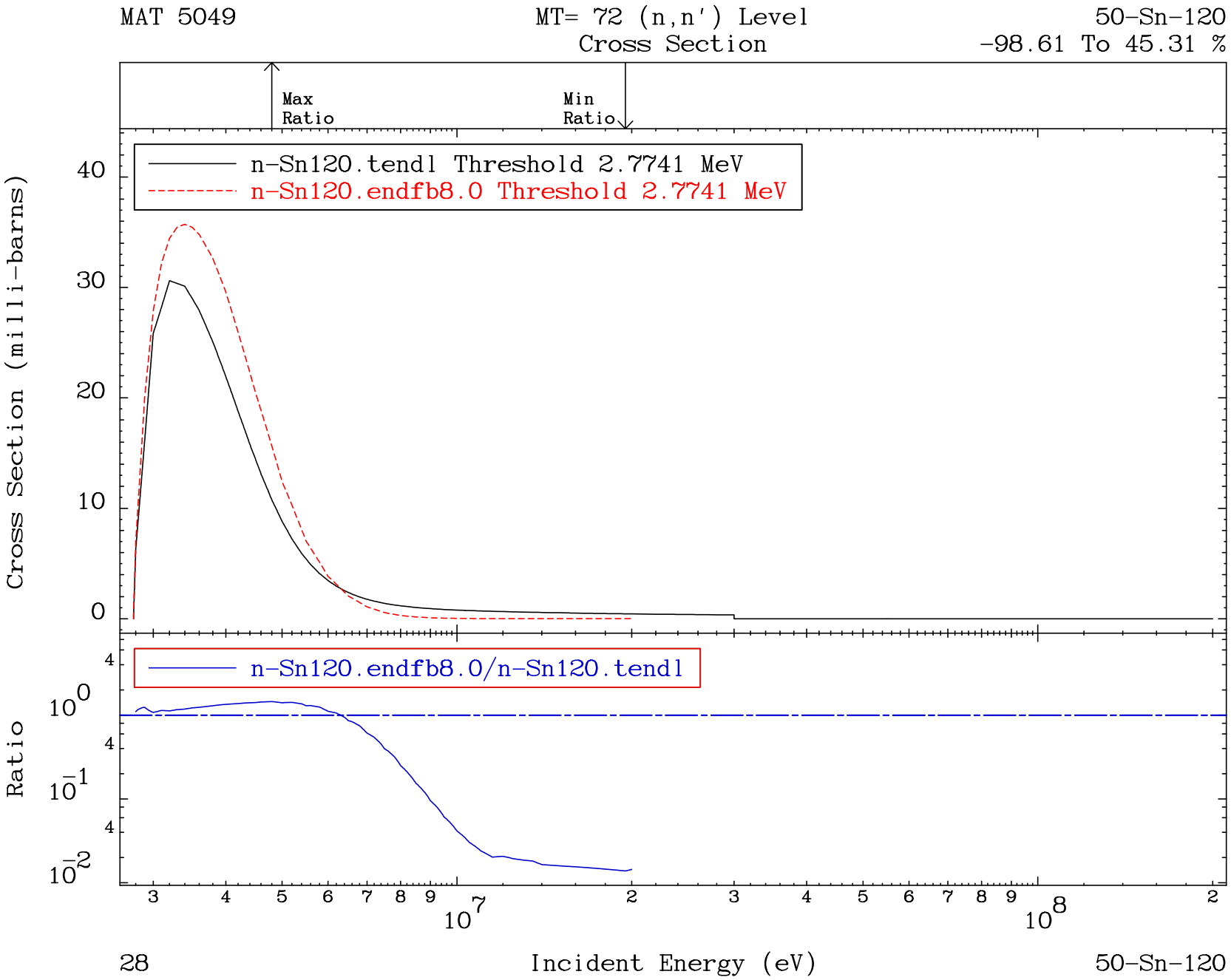

MAT 5049
MT= 67 (n,n') Level
Cross Section
50-Sn-120
-98.13 To 47.95 %
Max
Ratio
Min
Ratio
n-Sn120.tendl Threshold 2.7078 MeV
n-Sn120.endfb8.0 Threshold 2.7078 MeV
Cross Section (milli-barns)
10
8
6
4
2
0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^0
10^-1
4
4
4
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
23
Incident Energy (eV)
50-Sn-120

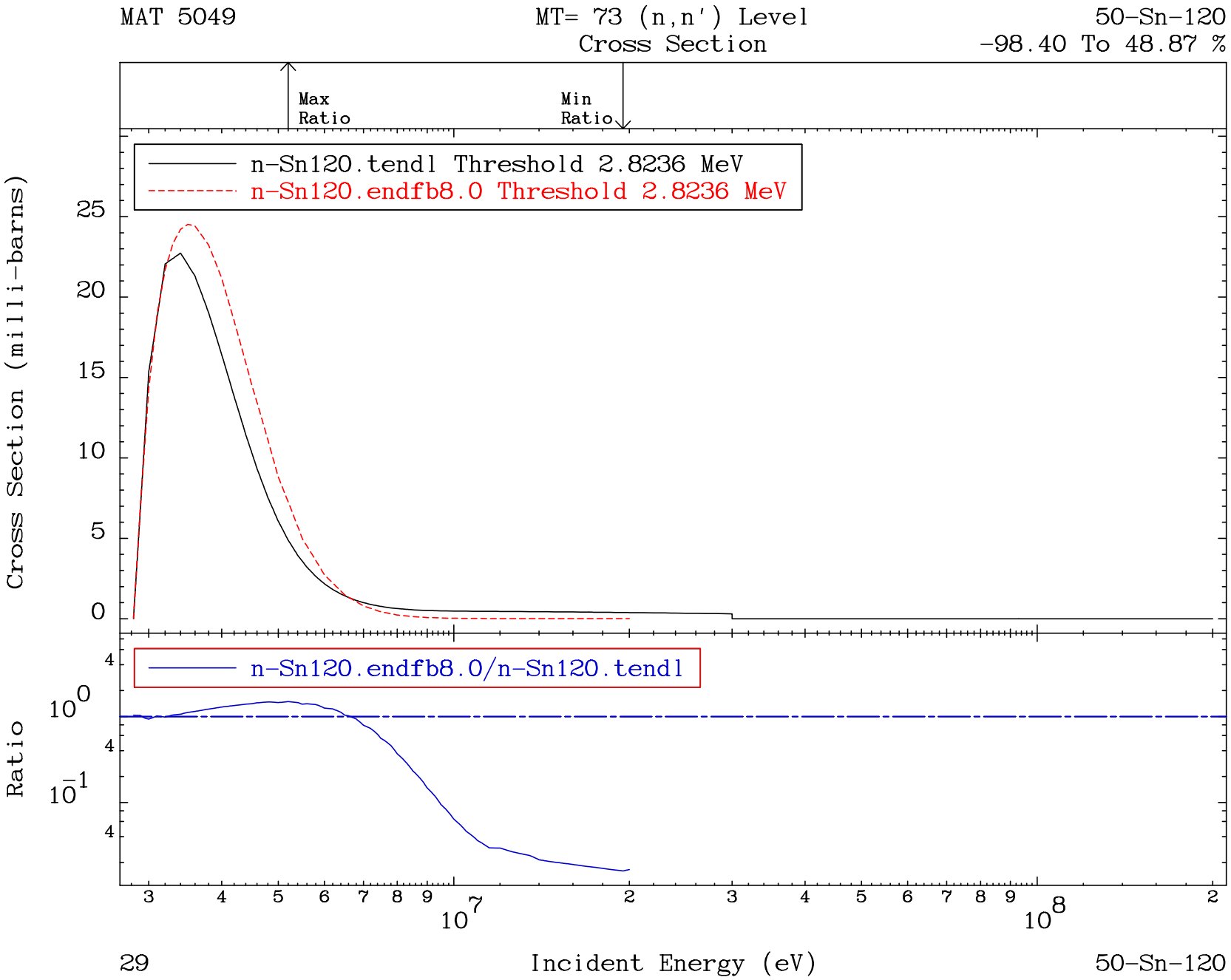

MAT 5049
MT= 68 (n,n') Level
Cross Section
50-Sn-120
-99.12 To 26.57 %
Max
Ratio
Min
Ratio
n-Sn120.tendl Threshold 2.7136 MeV
n-Sn120.endfb8.0 Threshold 2.7136 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^0
10^-1
10^-2
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
24
Incident Energy (eV)
50-Sn-120

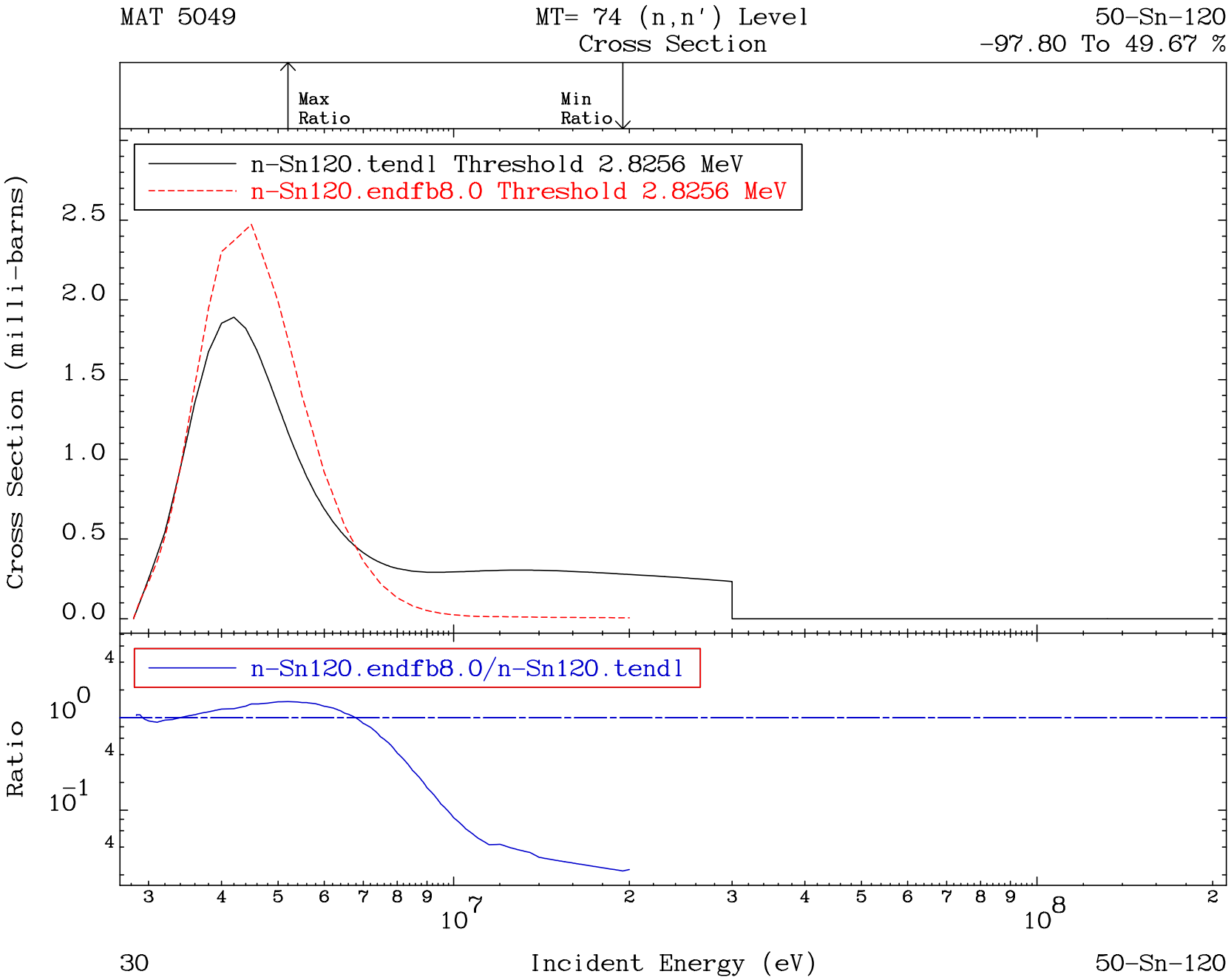

MAT 5049
MT= 69 (n,n') Level
Cross Section
50-Sn-120
-4.707 To 9999. %
Min Ratio
Max Ratio
n-Sn120.tendl Threshold 2.7186 MeV
n-Sn120.endfb8.0 Threshold 2.7186 MeV
Cross Section (milli-barns)
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
Incident Energy (eV)
25
50-Sn-120

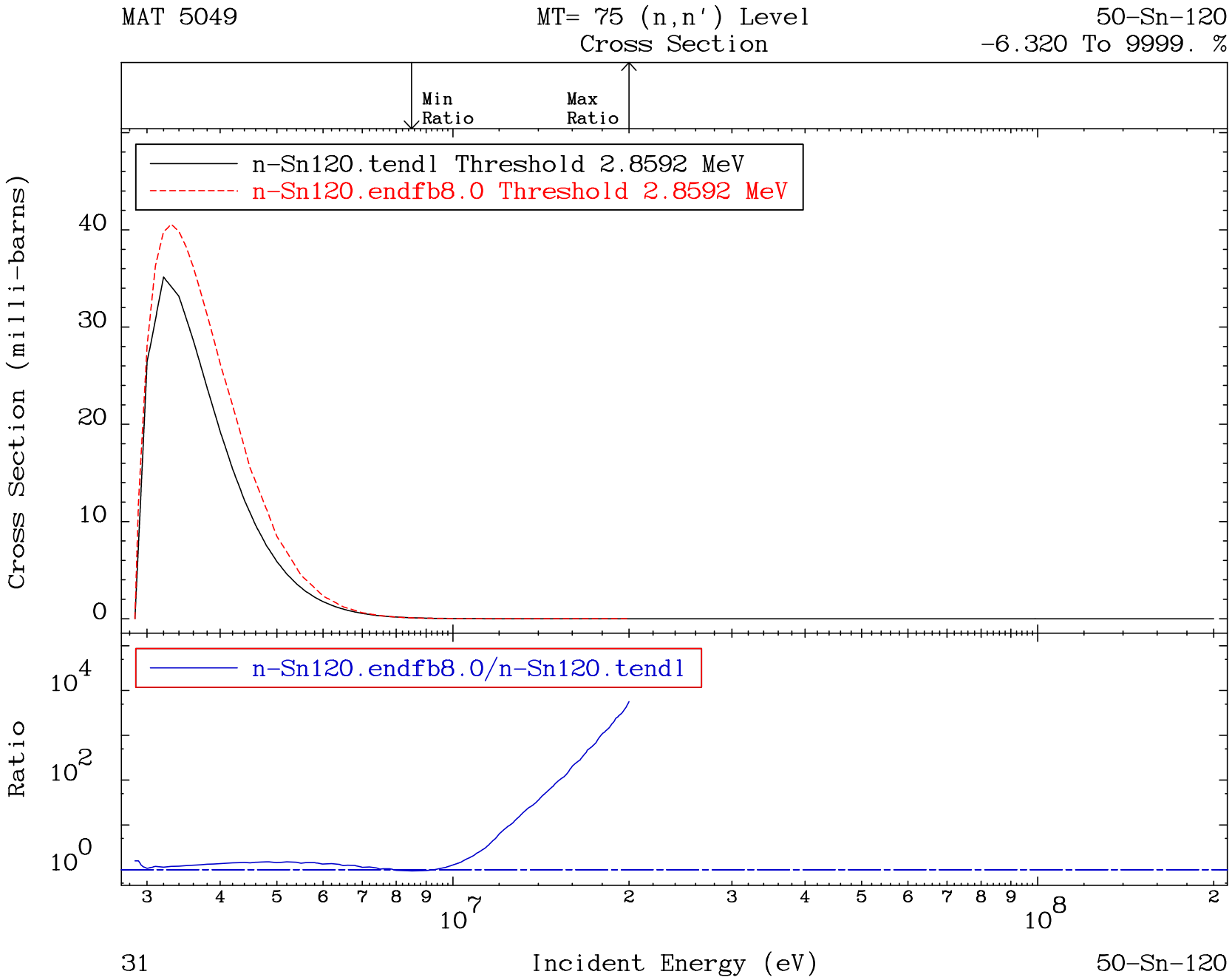

MAT 5049
MT= 70 (n,n') Level
Cross Section
50-Sn-120
-99.12 To 36.46 %
Max Ratio
Min Ratio
n-Sn120.tendl Threshold 2.7511 MeV
n-Sn120.endfb8.0 Threshold 2.7511 MeV
Cross Section (milli-barns)
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
Incident Energy (eV)
26
50-Sn-120

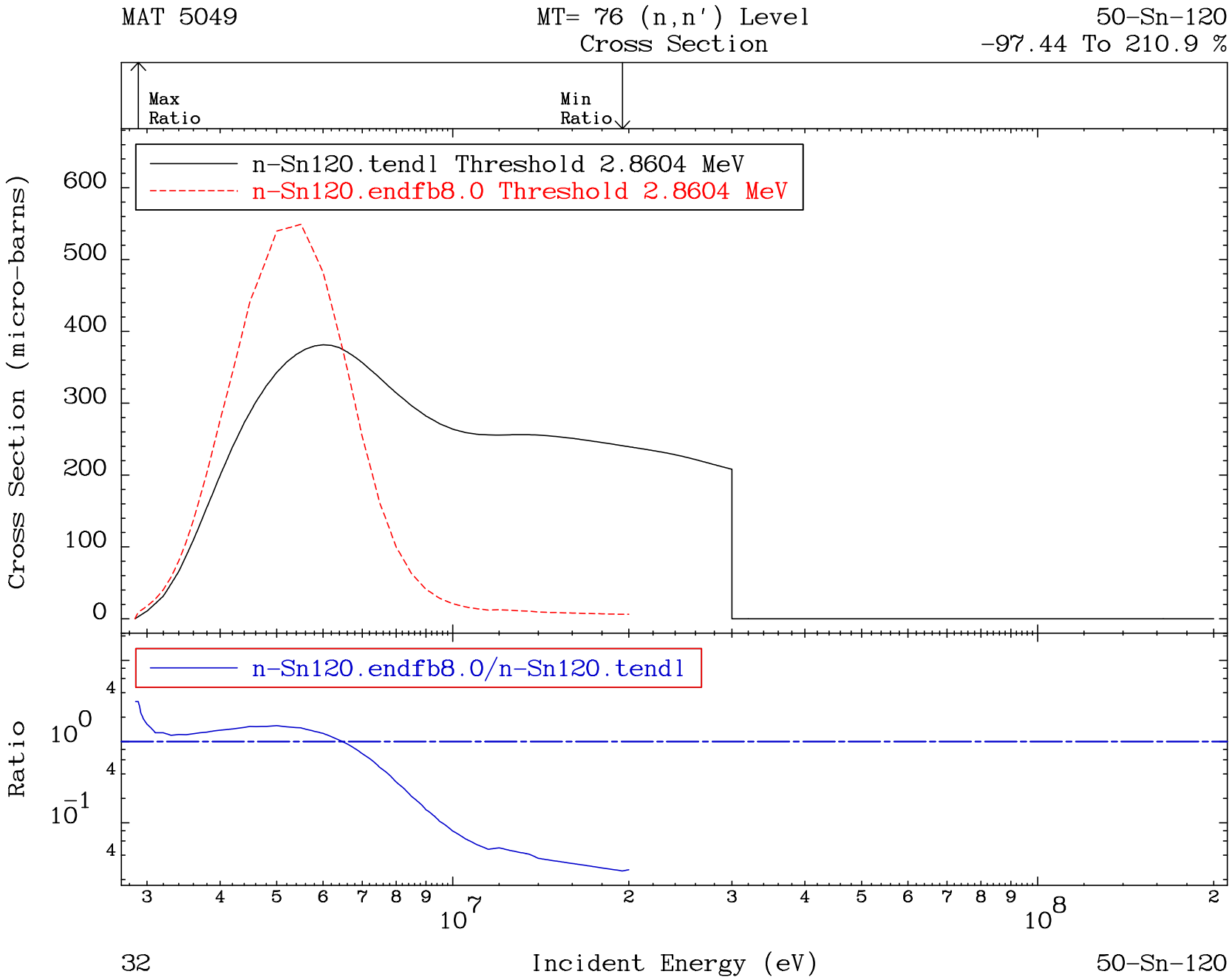

MAT 5049
MT= 71 (n,n') Level
Cross Section
50-Sn-120
-5.563 To 9999. %
Min Ratio
Max Ratio
n-Sn120.tendl Threshold 2.7728 MeV
n-Sn120.endfb8.0 Threshold 2.7728 MeV
Cross Section (milli-barns)
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
Incident Energy (eV)
27
50-Sn-120

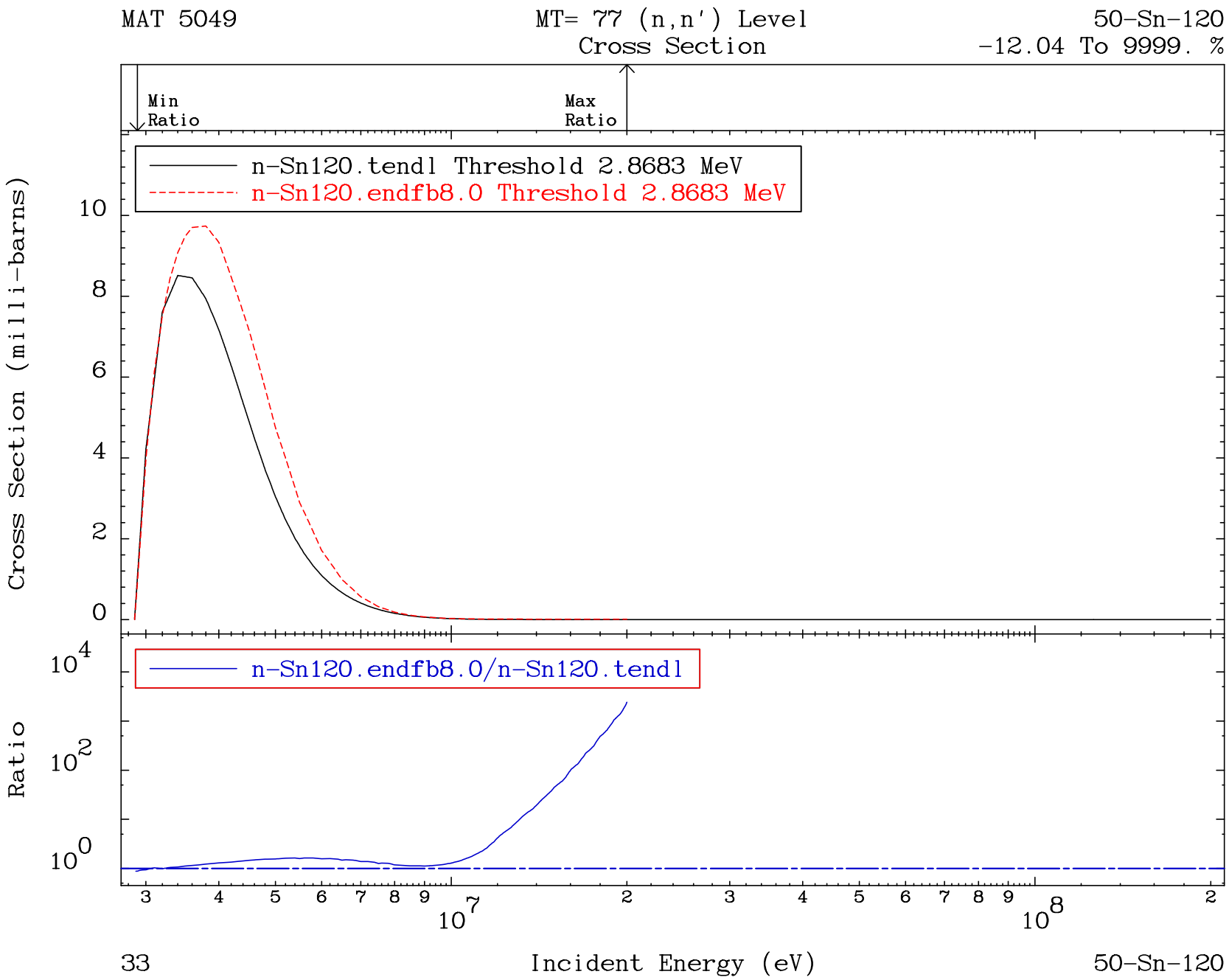

MAT 5049
MT= 72 (n,n') Level
Cross Section
50-Sn-120
-98.61 To 45.31 %
Max
Ratio
Min
Ratio
n-Sn120.tendl Threshold 2.7741 MeV
n-Sn120.endfb8.0 Threshold 2.7741 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^0
10^-1
10^-2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
28
Incident Energy (eV)
50-Sn-120

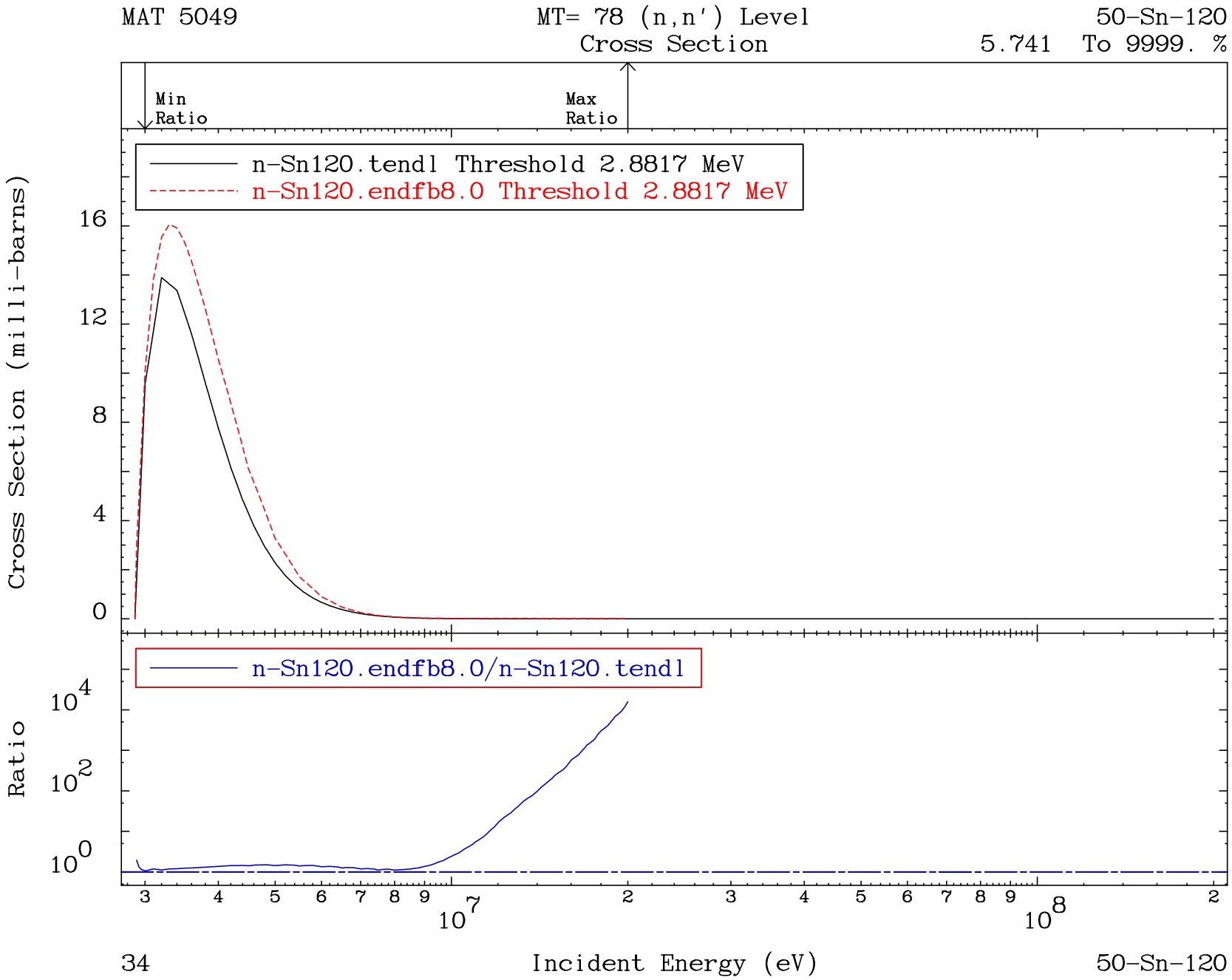

MAT 5049
MT= 73 (n,n') Level
Cross Section
50-Sn-120
-98.40 To 48.87 %
Max Ratio
Min Ratio
n-Sn120.tendl Threshold 2.8236 MeV
n-Sn120.endfb8.0 Threshold 2.8236 MeV
Cross Section (milli-barns)
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
Incident Energy (eV)
29
50-Sn-120

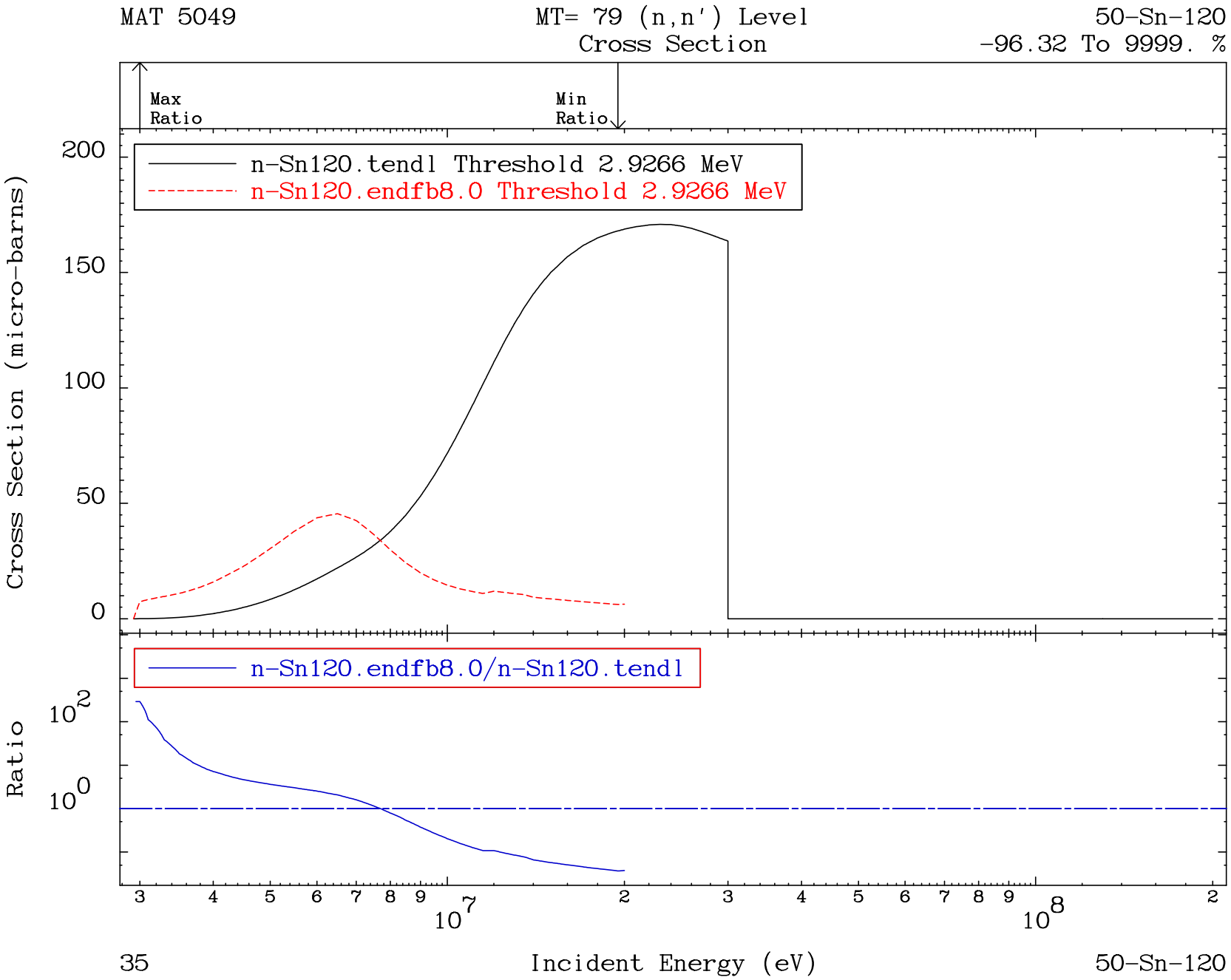

MAT 5049
MT= 74 (n,n') Level
Cross Section
50-Sn-120
-97.80 To 49.67 %
Max Ratio
Min Ratio
n-Sn120.tendl Threshold 2.8256 MeV
n-Sn120.endfb8.0 Threshold 2.8256 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^0
10^-1
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
30
Incident Energy (eV)
50-Sn-120

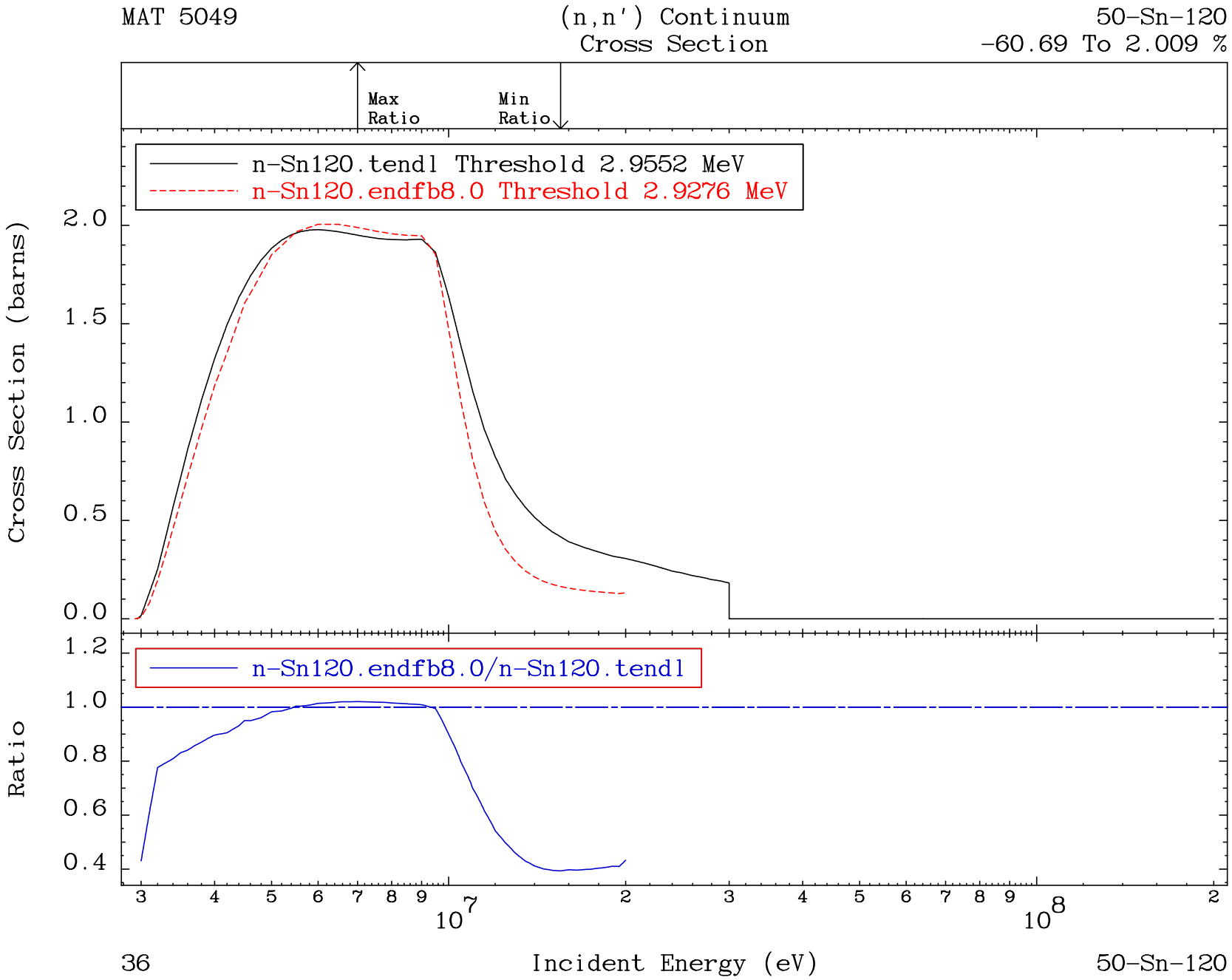

MAT 5049
MT= 75 (n,n') Level
Cross Section
50-Sn-120
-6.320 To 9999. %
Min Ratio
Max Ratio
n-Sn120.tendl Threshold 2.8592 MeV
n-Sn120.endfb8.0 Threshold 2.8592 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^4
10^2
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
31
Incident Energy (eV)
50-Sn-120

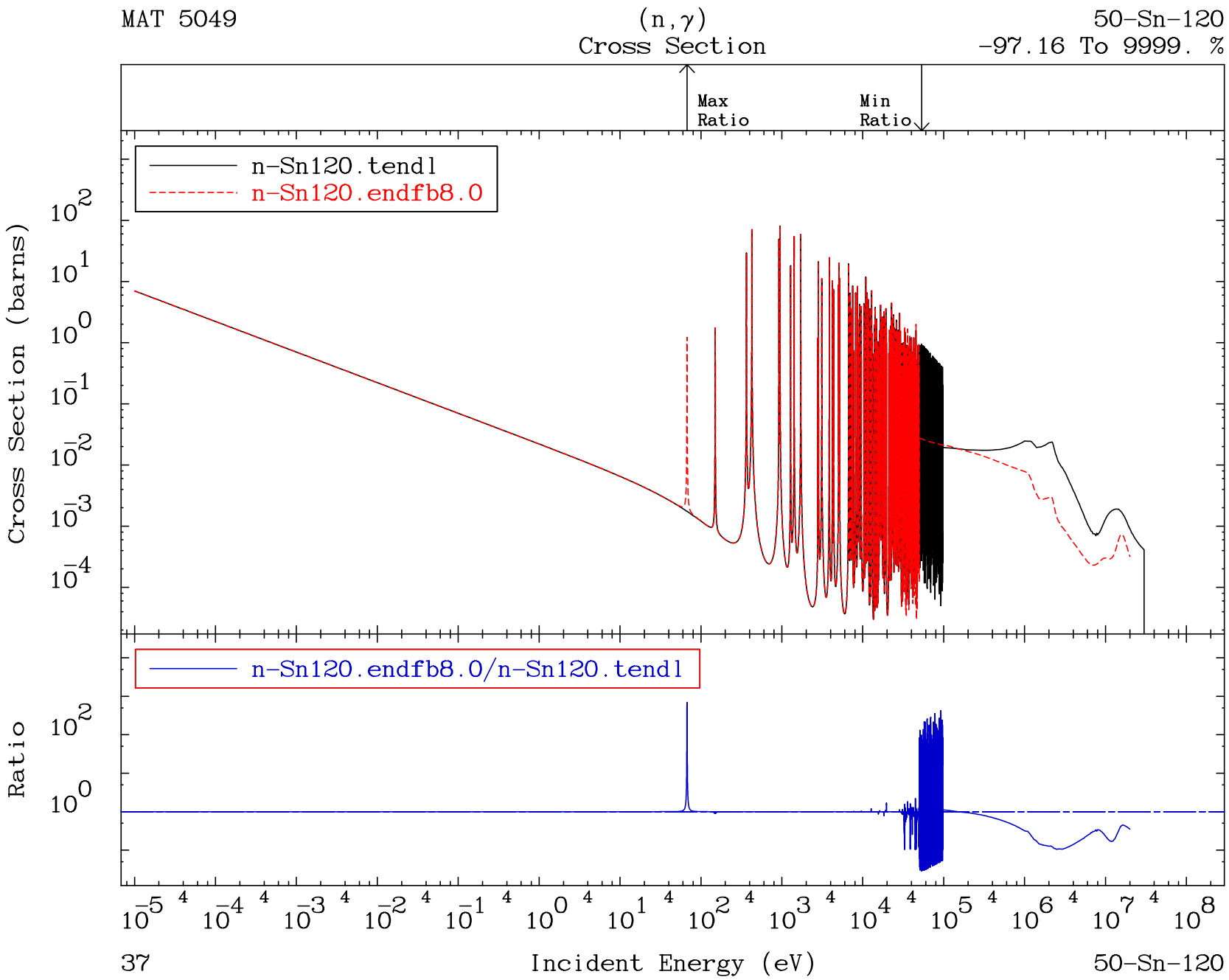

MAT 5049
MT= 76 (n,n') Level
Cross Section
50-Sn-120
-97.44 To 210.9 %
Max
Ratio
Min
Ratio
n-Sn120.tendl Threshold 2.8604 MeV
n-Sn120.endfb8.0 Threshold 2.8604 MeV
Cross Section (micro-barns)
600
500
400
300
200
100
0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^0
10^-1
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
32
Incident Energy (eV)
50-Sn-120

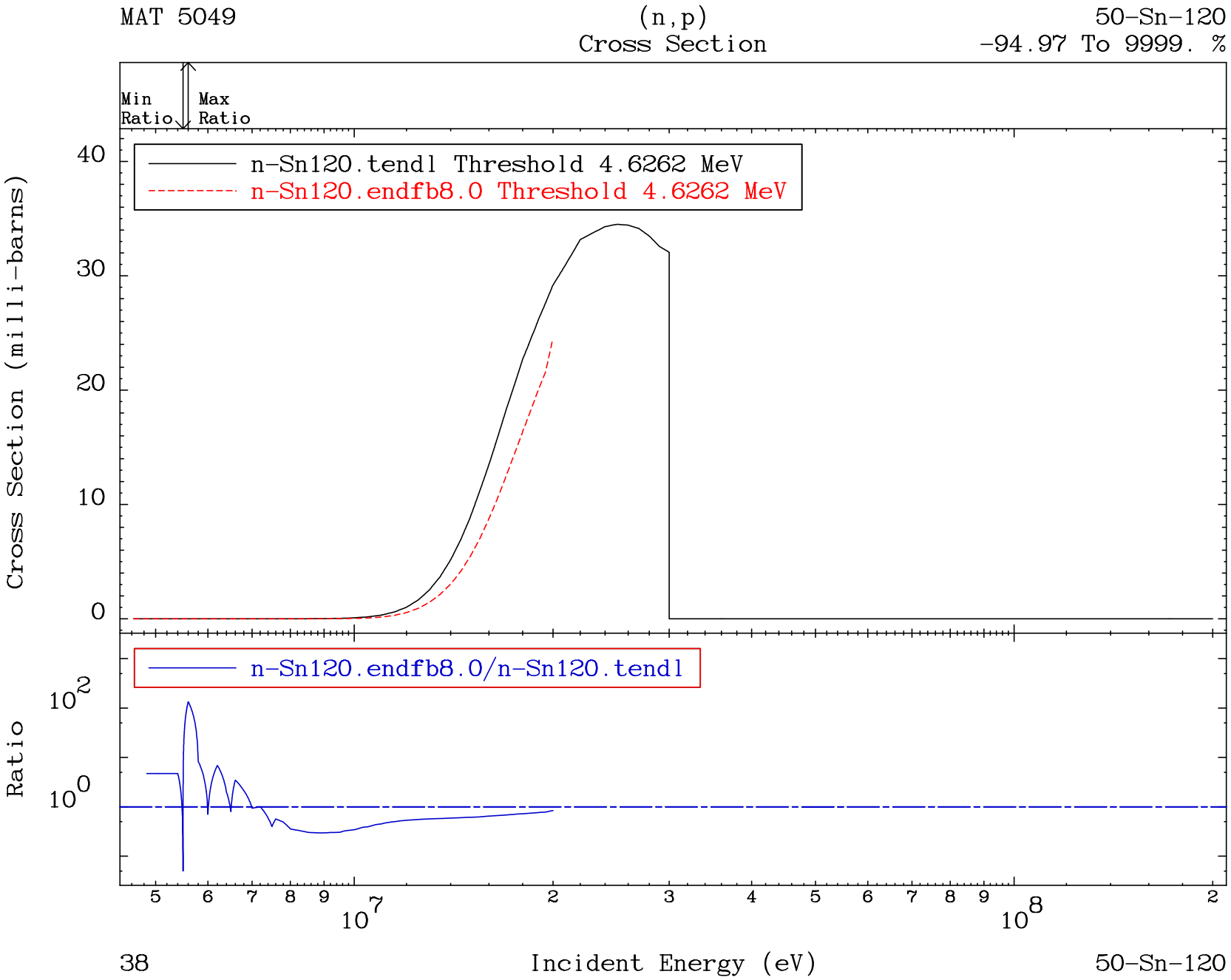

MAT 5049
MT= 77 (n,n') Level
Cross Section
50-Sn-120
-12.04 To 9999. %
Min Ratio
Max Ratio
n-Sn120.tendl Threshold 2.8683 MeV
n-Sn120.endfb8.0 Threshold 2.8683 MeV
Cross Section (milli-barns)
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
Incident Energy (eV)
33
50-Sn-120

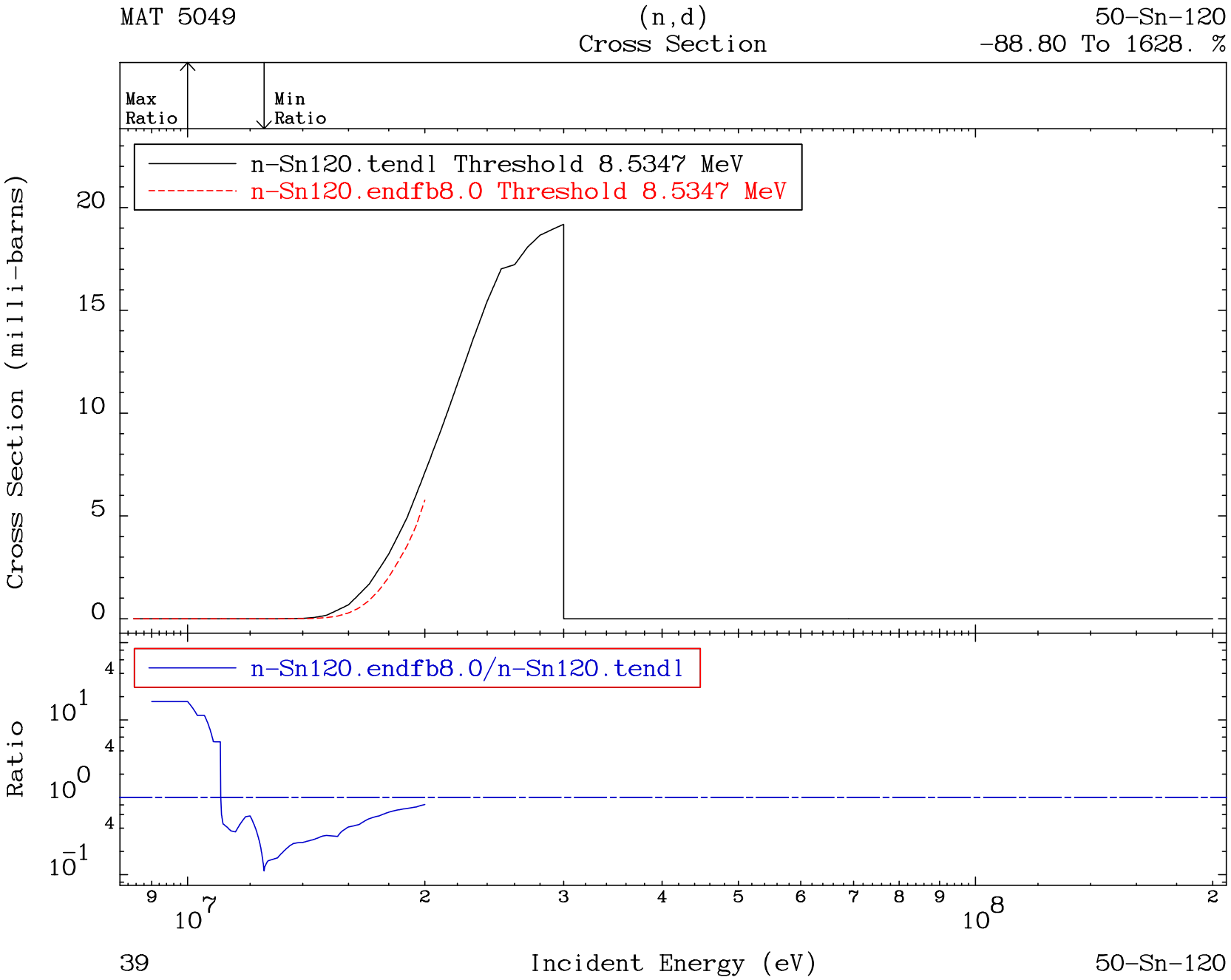

MAT 5049
MT= 78 (n,n') Level
Cross Section
50-Sn-120
5.741 To 9999. %
Min Ratio
Max Ratio
n-Sn120.tendl Threshold 2.8817 MeV
n-Sn120.endfb8.0 Threshold 2.8817 MeV
Cross Section (milli-barns)
16
12
8
4
0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^4
10^2
10^0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
34
Incident Energy (eV)
50-Sn-120

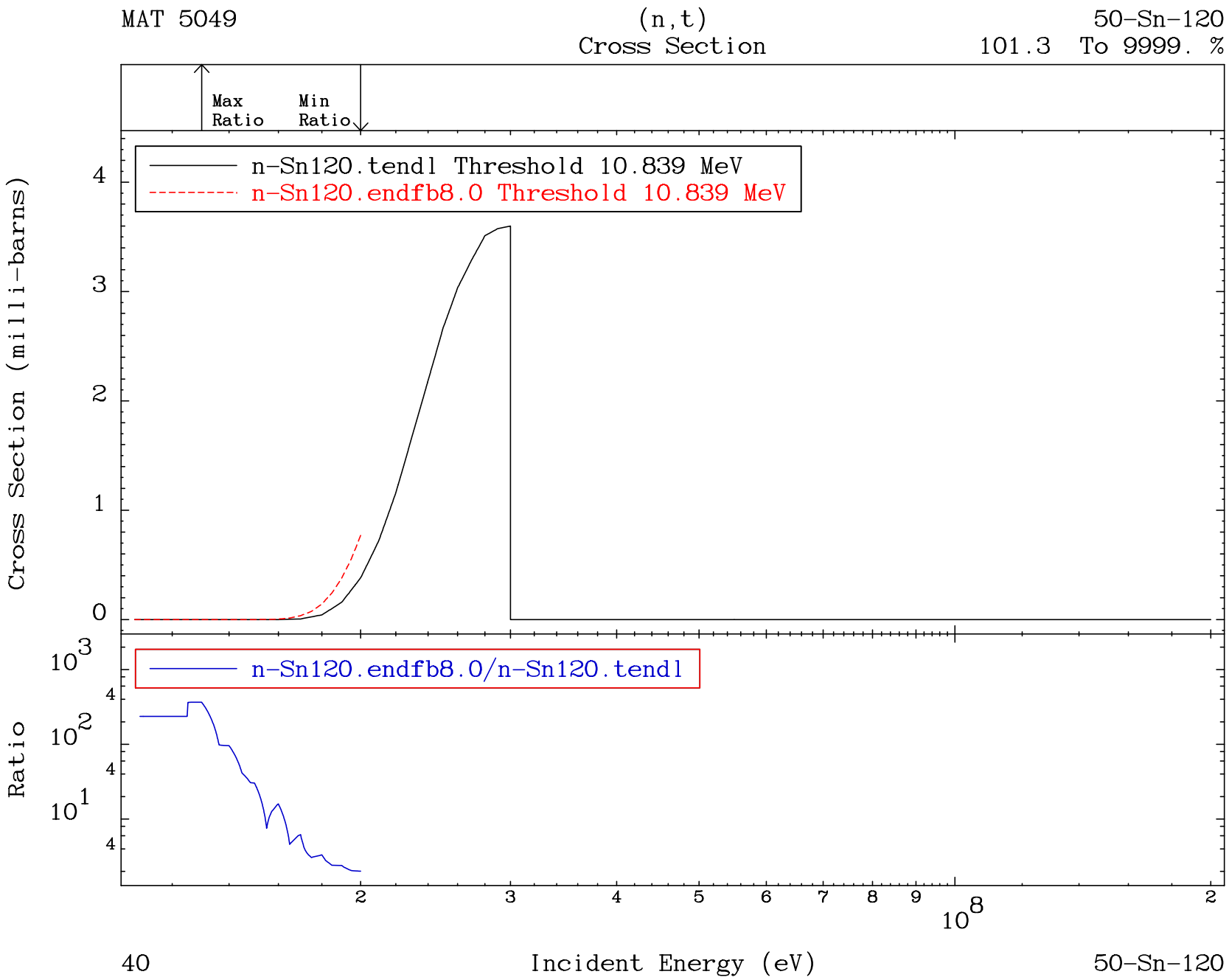

MAT 5049
MT= 79 (n,n') Level
Cross Section
50-Sn-120
-96.32 To 9999. %
Max Ratio
Min Ratio
n-Sn120.tendl Threshold 2.9266 MeV
n-Sn120.endfb8.0 Threshold 2.9266 MeV
Cross Section (micro-barns)
200
150
100
50
0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^2
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
35
Incident Energy (eV)
50-Sn-120

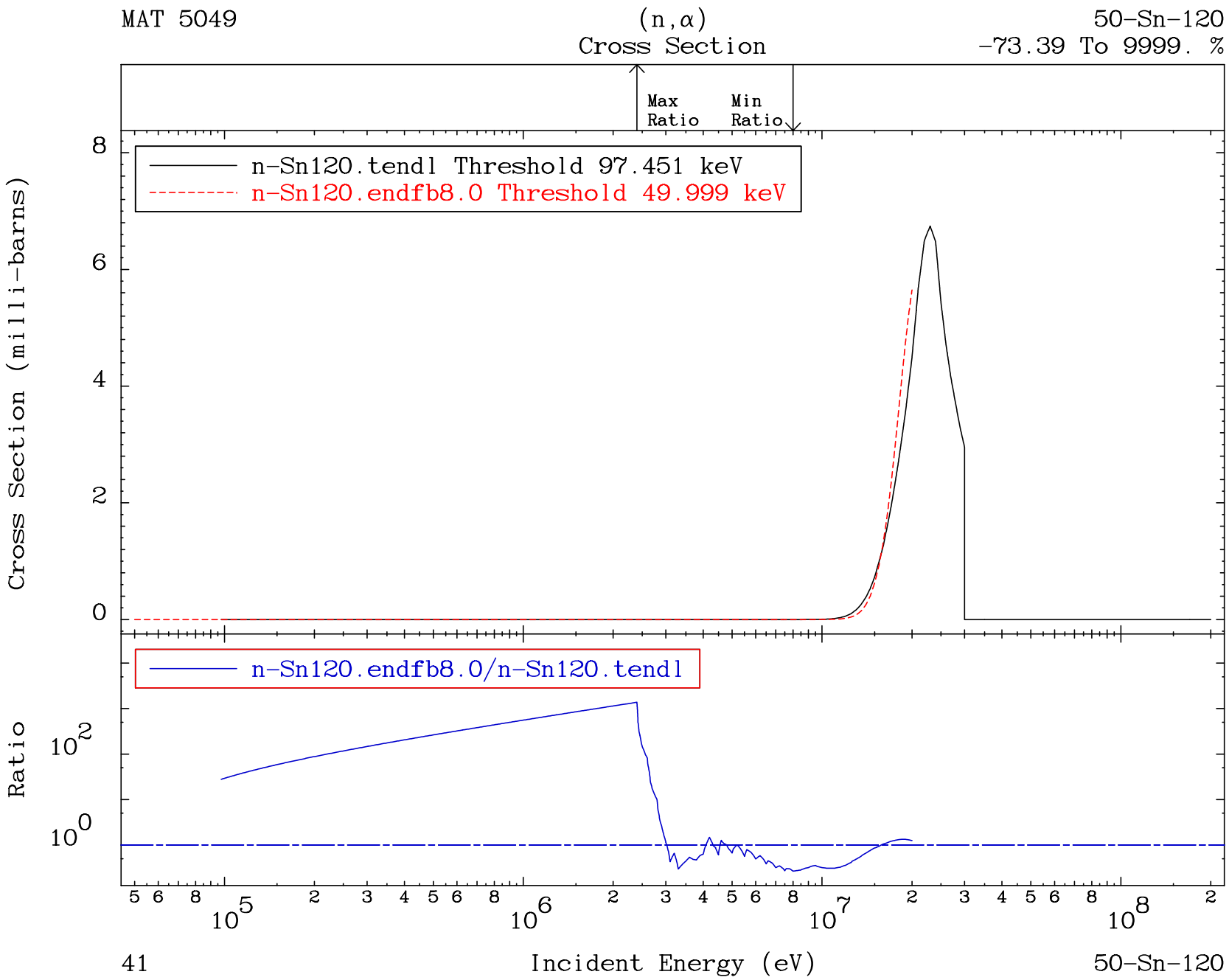

MAT 5049
(n,n') Continuum
Cross Section
50-Sn-120
-60.69 To 2.009 %
Max Ratio
Min Ratio
n-Sn120.tendl Threshold 2.9552 MeV
n-Sn120.endfb8.0 Threshold 2.9276 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
1.2
1.0
0.8
0.6
0.4
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
36
Incident Energy (eV)
50-Sn-120

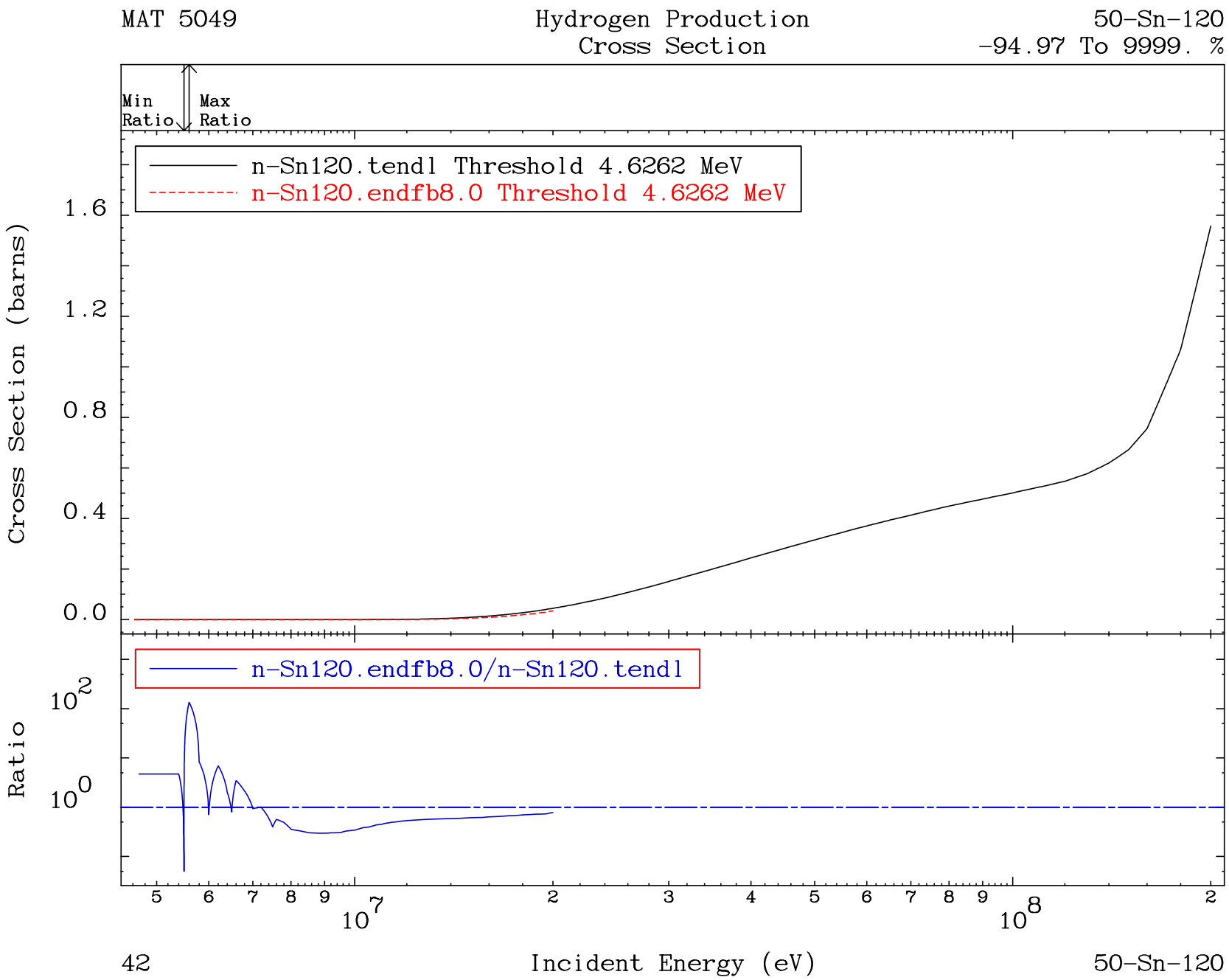

MAT 5049
(n,γ)
Cross Section
50-Sn-120
-97.16 To 9999. %
Max Ratio
Min Ratio
n-Sn120.tendl
n-Sn120.endfb8.0
Cross Section (barns)
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
37
Incident Energy (eV)
50-Sn-120

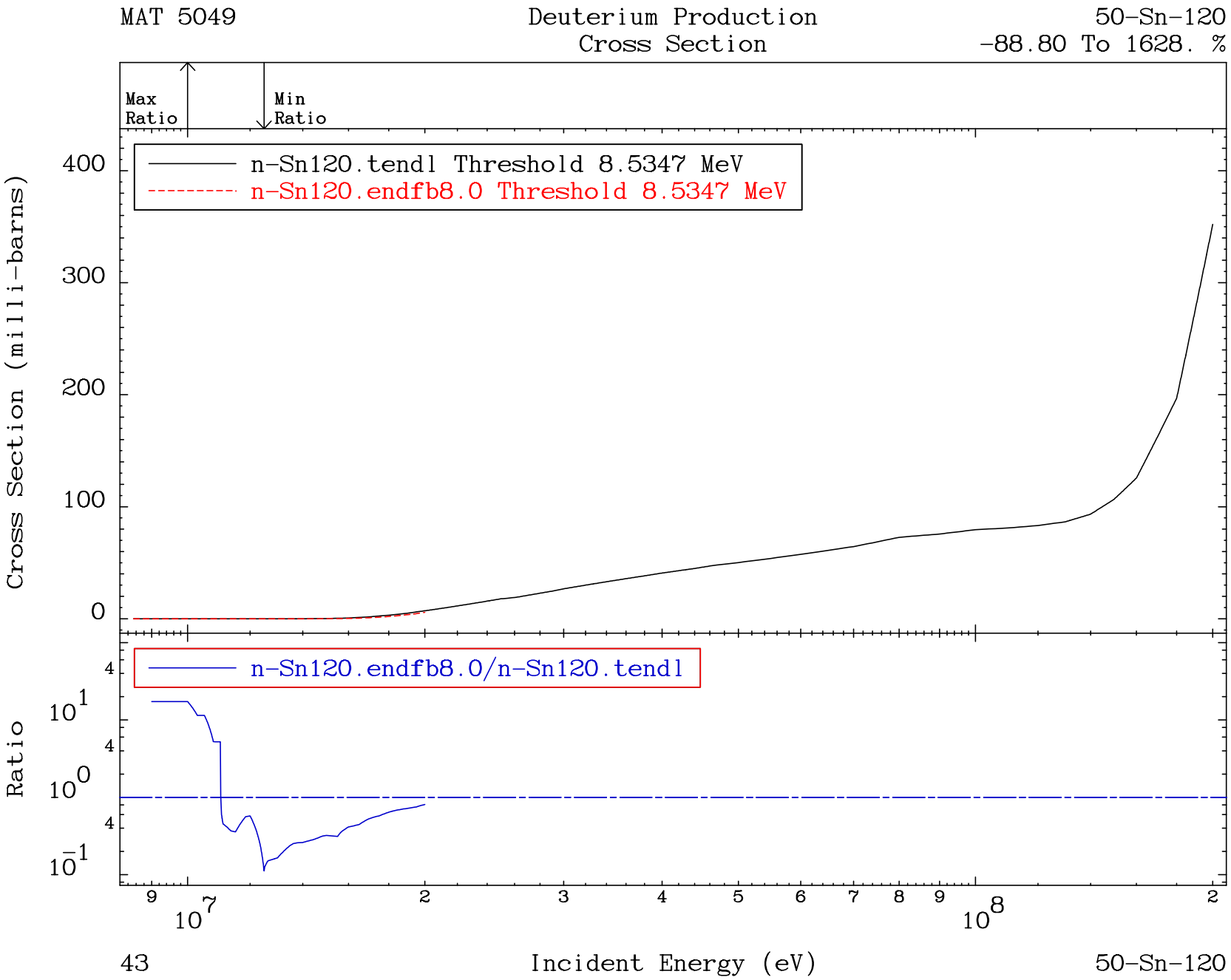

MAT 5049
(n,p)
Cross Section
50-Sn-120
-94.97 To 9999. %
Min Ratio
Max Ratio
n-Sn120.tendl Threshold 4.6262 MeV
n-Sn120.endfb8.0 Threshold 4.6262 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^2
10^0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
38
Incident Energy (eV)
50-Sn-120

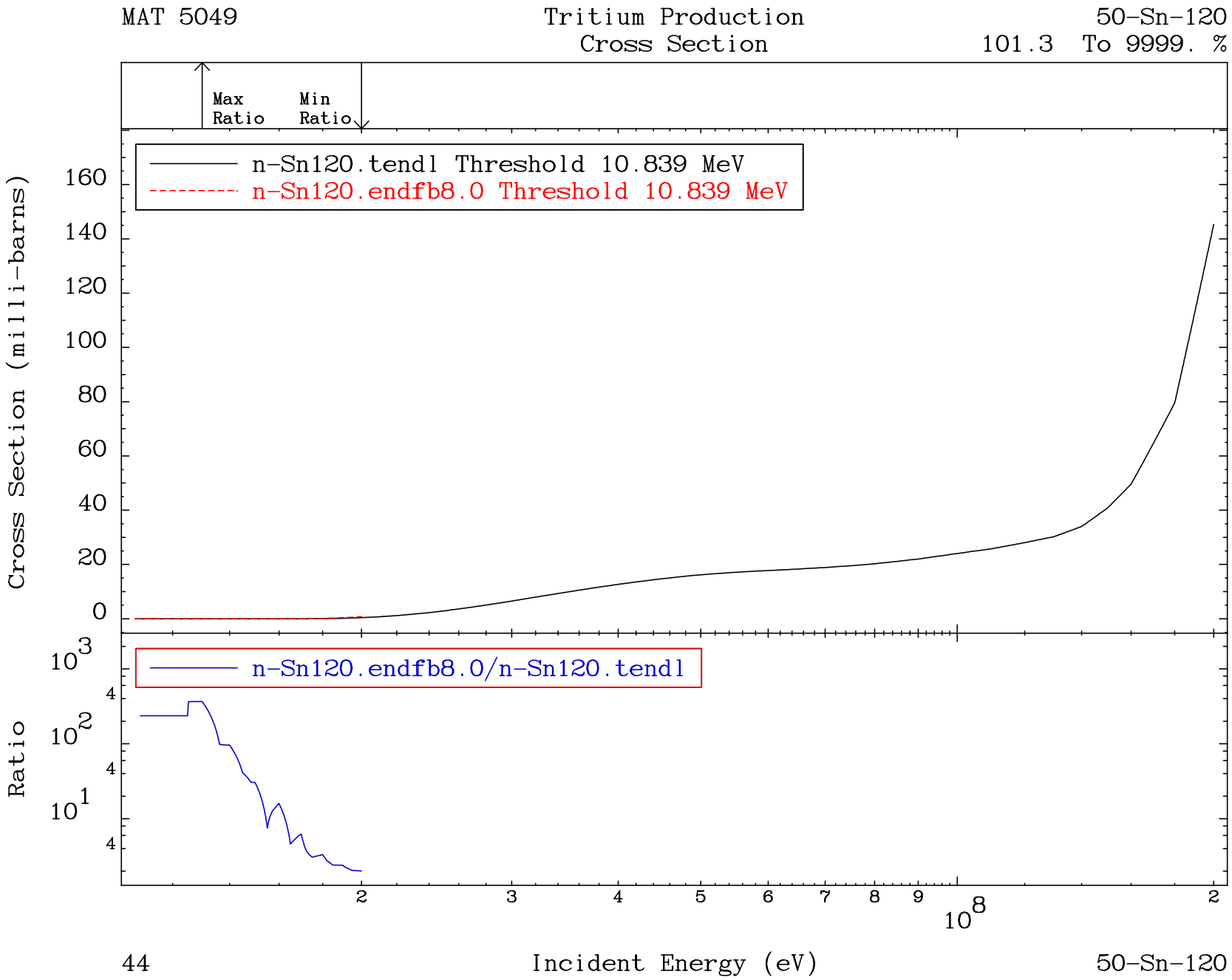

MAT 5049
(n,d)
Cross Section
50-Sn-120
-88.80 To 1628. %
Max Ratio
Min Ratio
n-Sn120.tendl Threshold 8.5347 MeV
n-Sn120.endfb8.0 Threshold 8.5347 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^{1}
10^{0}
10^{-1}
4
4
4
9
10^{7}
2
3
4
5
6
7
8
9
10^{8}
2
39
Incident Energy (eV)
50-Sn-120

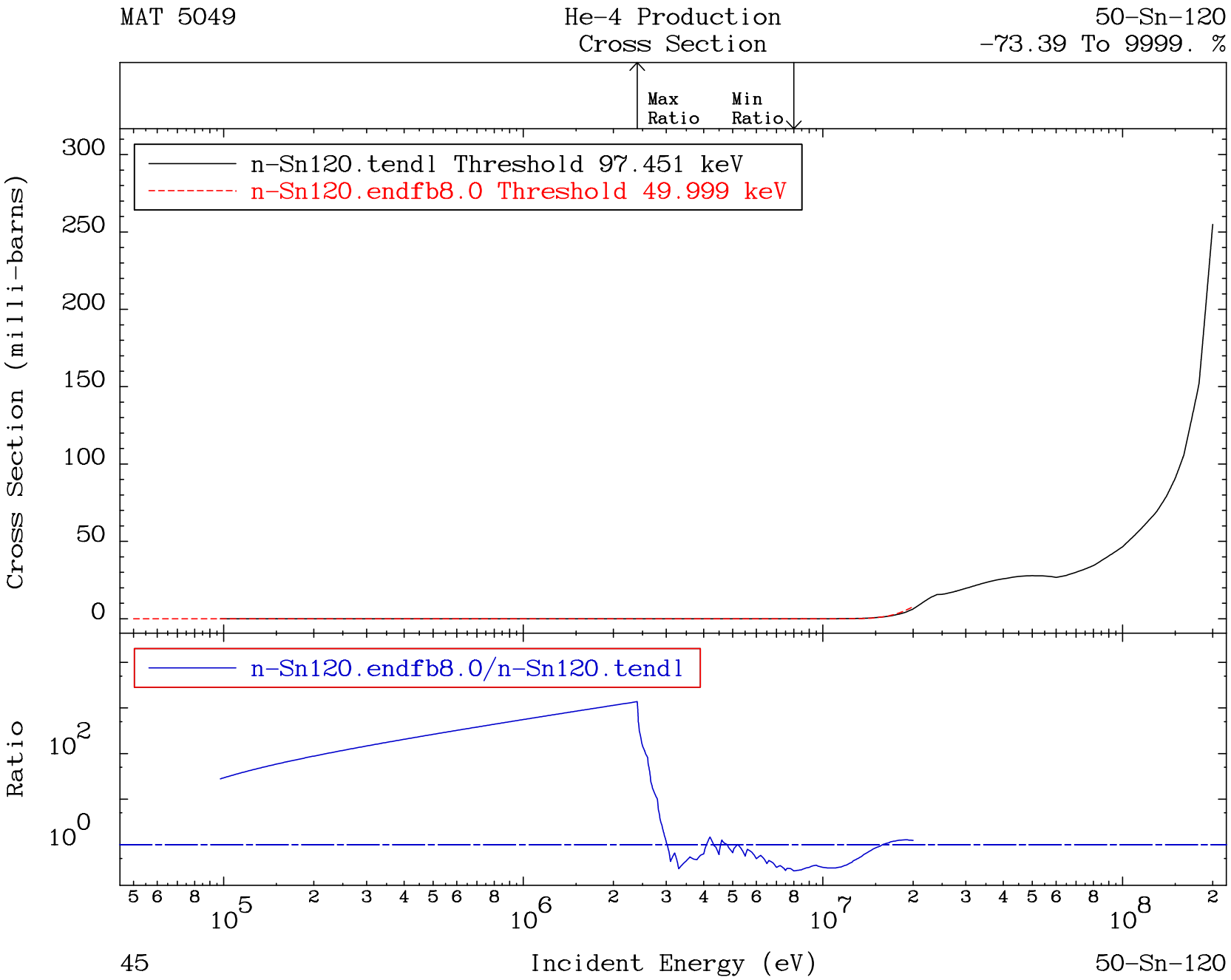

MAT 5049
(n,t)
Cross Section
50-Sn-120
101.3 To 9999. %
Max Ratio
Min Ratio
n-Sn120.tendl Threshold 10.839 MeV
n-Sn120.endfb8.0 Threshold 10.839 MeV
Cross Section (milli-barns)
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
Incident Energy (eV)
40
50-Sn-120

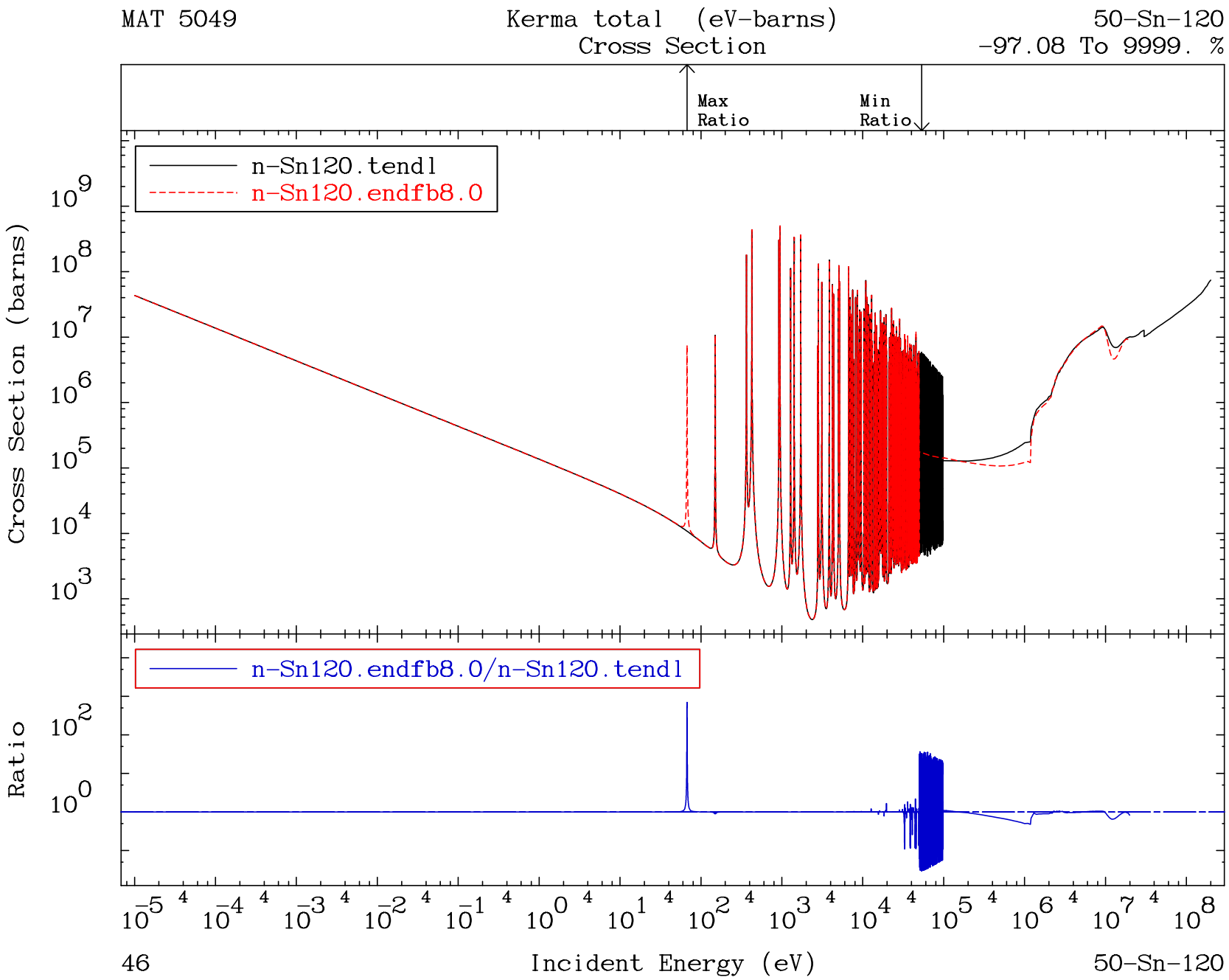

MAT 5049
(n,α)
Cross Section
50-Sn-120
-73.39 To 9999. %
Max Ratio
Min Ratio
n-Sn120.tendl Threshold 97.451 keV
n-Sn120.endfb8.0 Threshold 49.999 keV
Cross Section (milli-barns)
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
Incident Energy (eV)
41
50-Sn-120

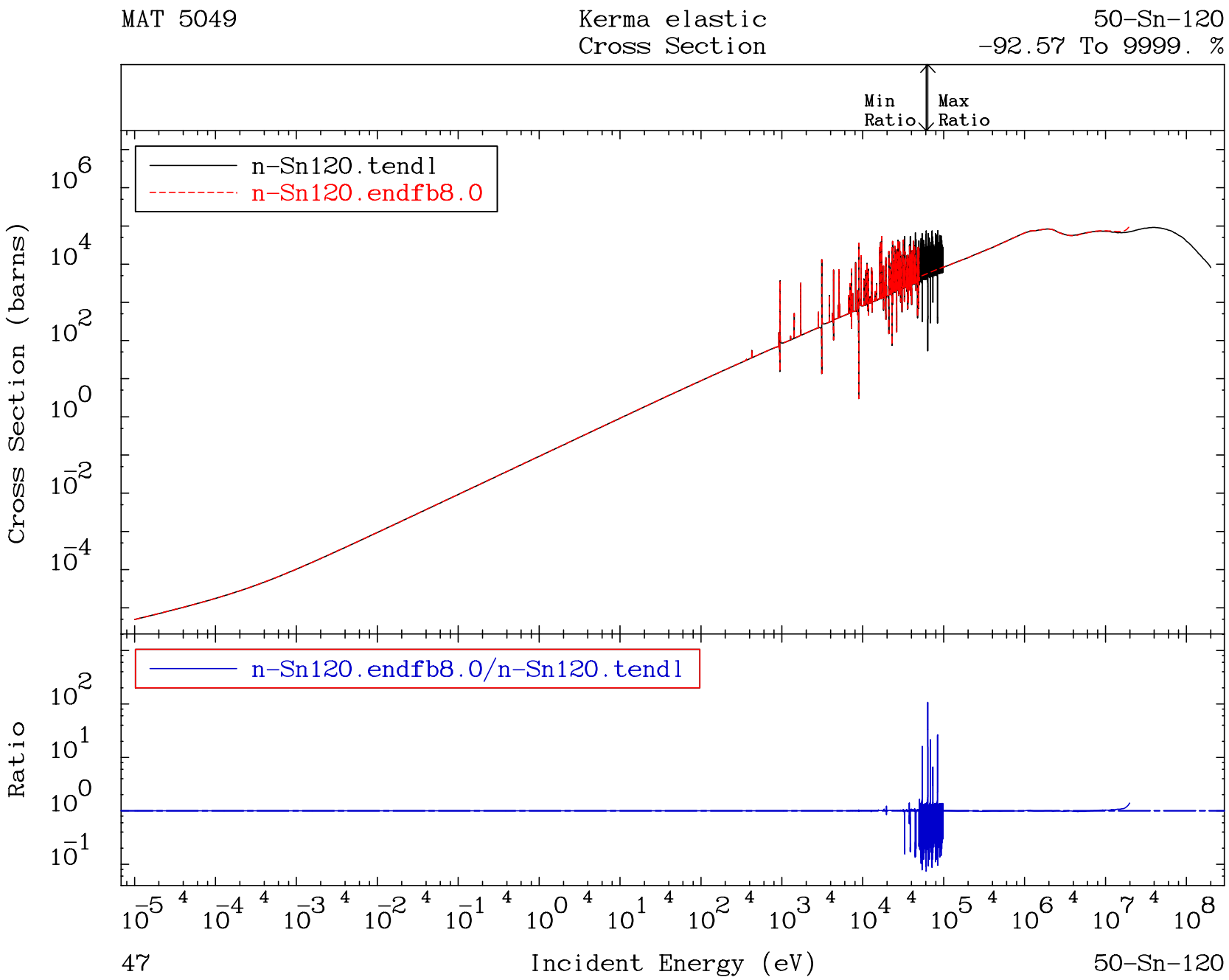

MAT 5049
Hydrogen Production
Cross Section
50-Sn-120
-94.97 To 9999. %
Min Ratio
Max Ratio
n-Sn120.tendl Threshold 4.6262 MeV
n-Sn120.endfb8.0 Threshold 4.6262 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^2
10^0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
42
Incident Energy (eV)
50-Sn-120

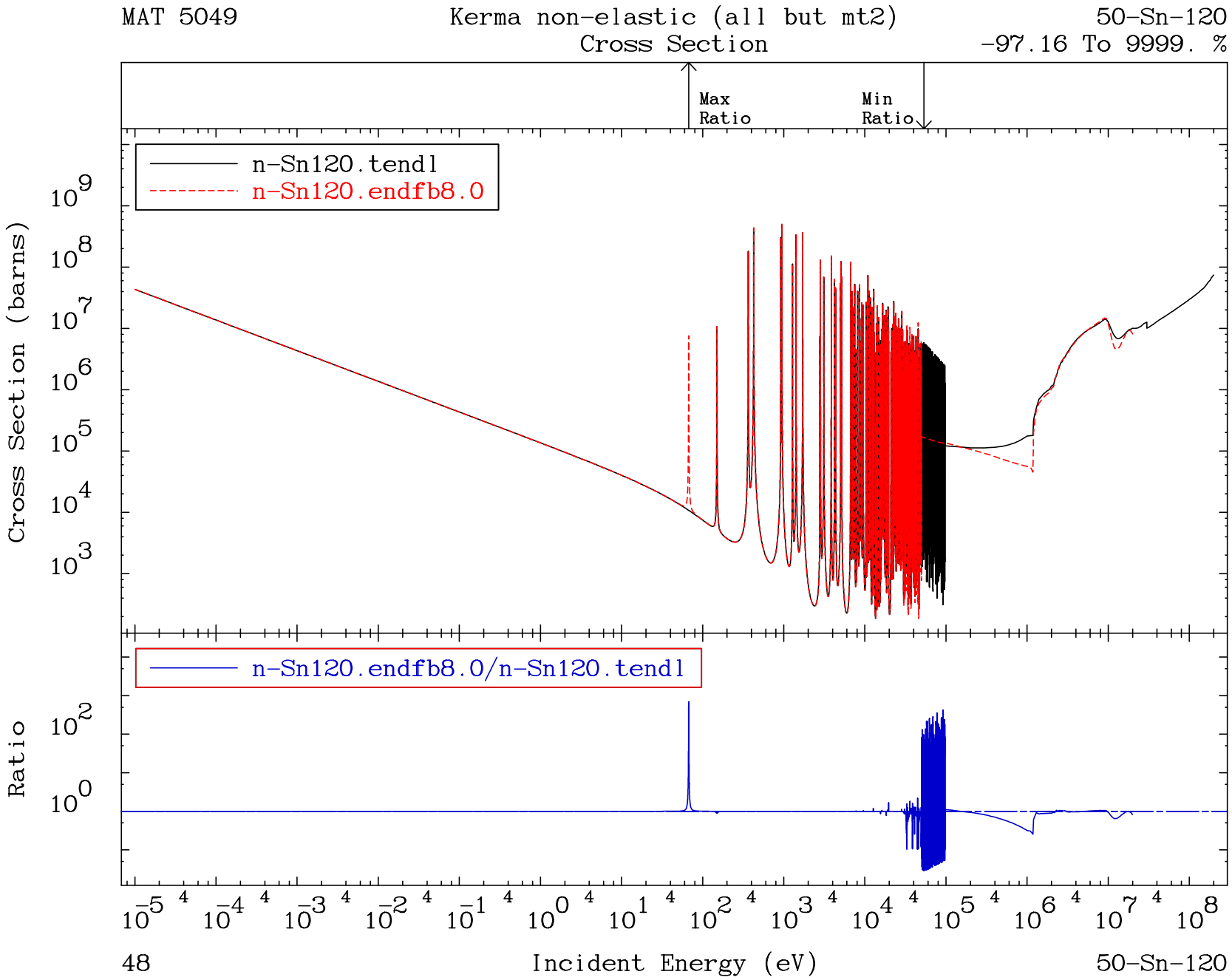

MAT 5049
Deuterium Production
Cross Section
50-Sn-120
-88.80 To 1628. %
Max Ratio
Min Ratio
n-Sn120.tendl Threshold 8.5347 MeV
n-Sn120.endfb8.0 Threshold 8.5347 MeV
Cross Section (milli-barns)
400
300
200
100
0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^{1}
10^{0}
10^{-1}
9
10^{7}
2
3
4
5
6
7
8
9
10^{8}
2
43
Incident Energy (eV)
50-Sn-120

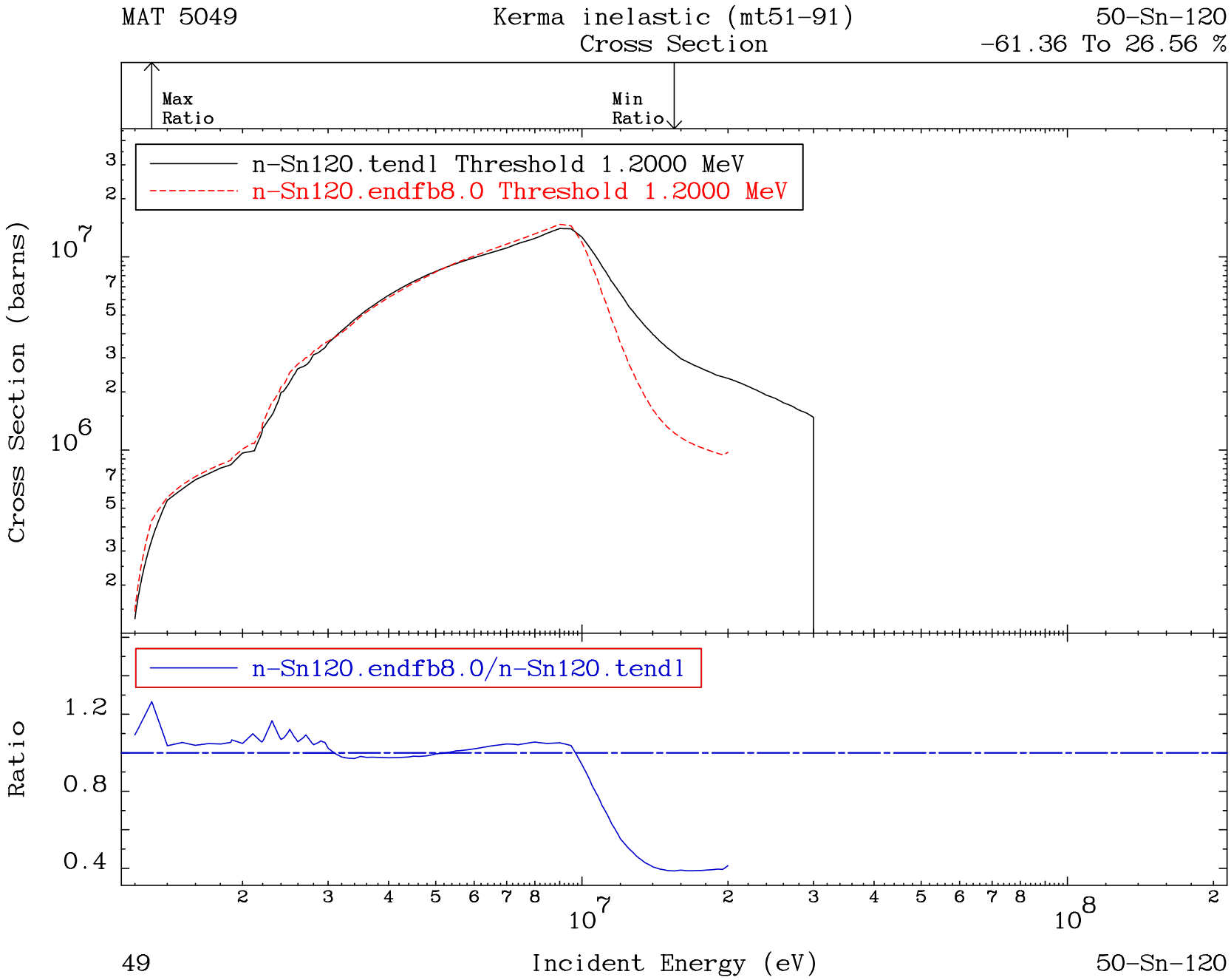

MAT 5049
Tritium Production
Cross Section
50-Sn-120
101.3 To 9999. %
Max Ratio
Min Ratio
n-Sn120.tendl Threshold 10.839 MeV
n-Sn120.endfb8.0 Threshold 10.839 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^3
10^2
10^1
2
3
4
5
6
7
8
9
10^8
2
44
Incident Energy (eV)
50-Sn-120

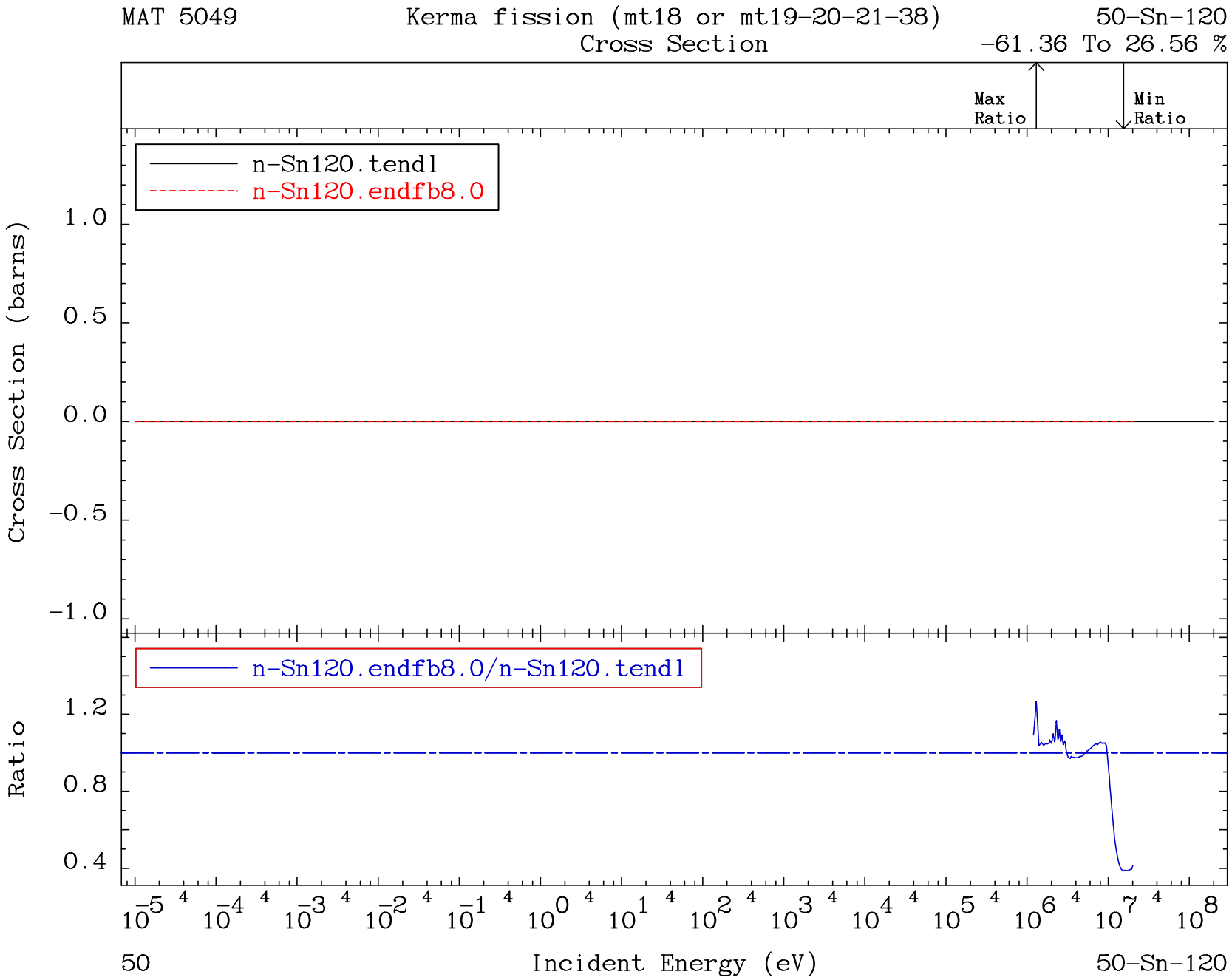

MAT 5049
He-4 Production
Cross Section
50-Sn-120
-73.39 To 9999. %
Max Ratio
Min Ratio
n-Sn120.tendl Threshold 97.451 keV
n-Sn120.endfb8.0 Threshold 49.999 keV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
10^2
10^0
5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
45
Incident Energy (eV)
50-Sn-120

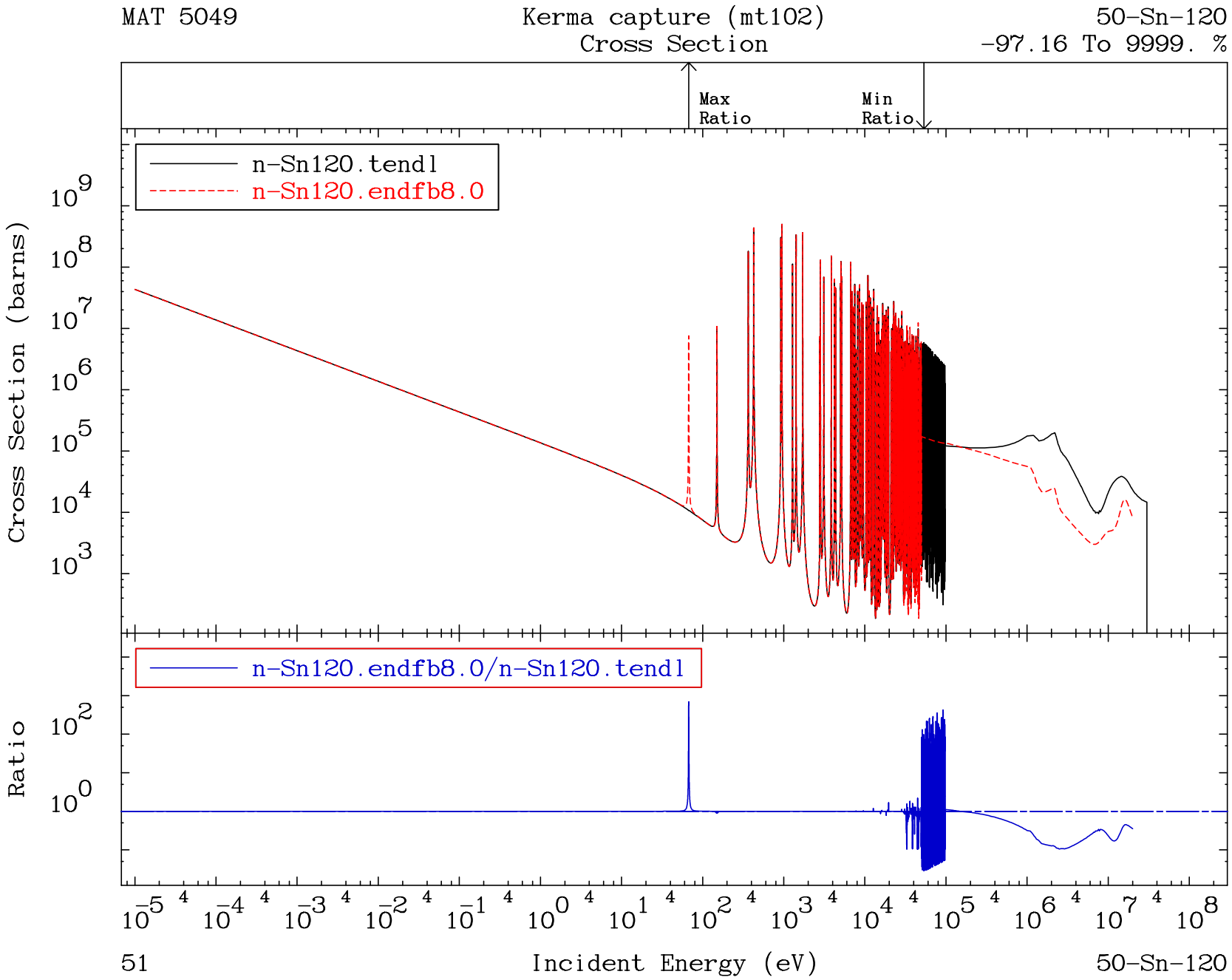

MAT 5049
Kerma total (eV-barns)
Cross Section
50-Sn-120
-97.08 To 9999. %
Max Ratio
Min Ratio
n-Sn120.tendl
n-Sn120.endfb8.0
Cross Section (barns)
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
Incident Energy (eV)
46
50-Sn-120

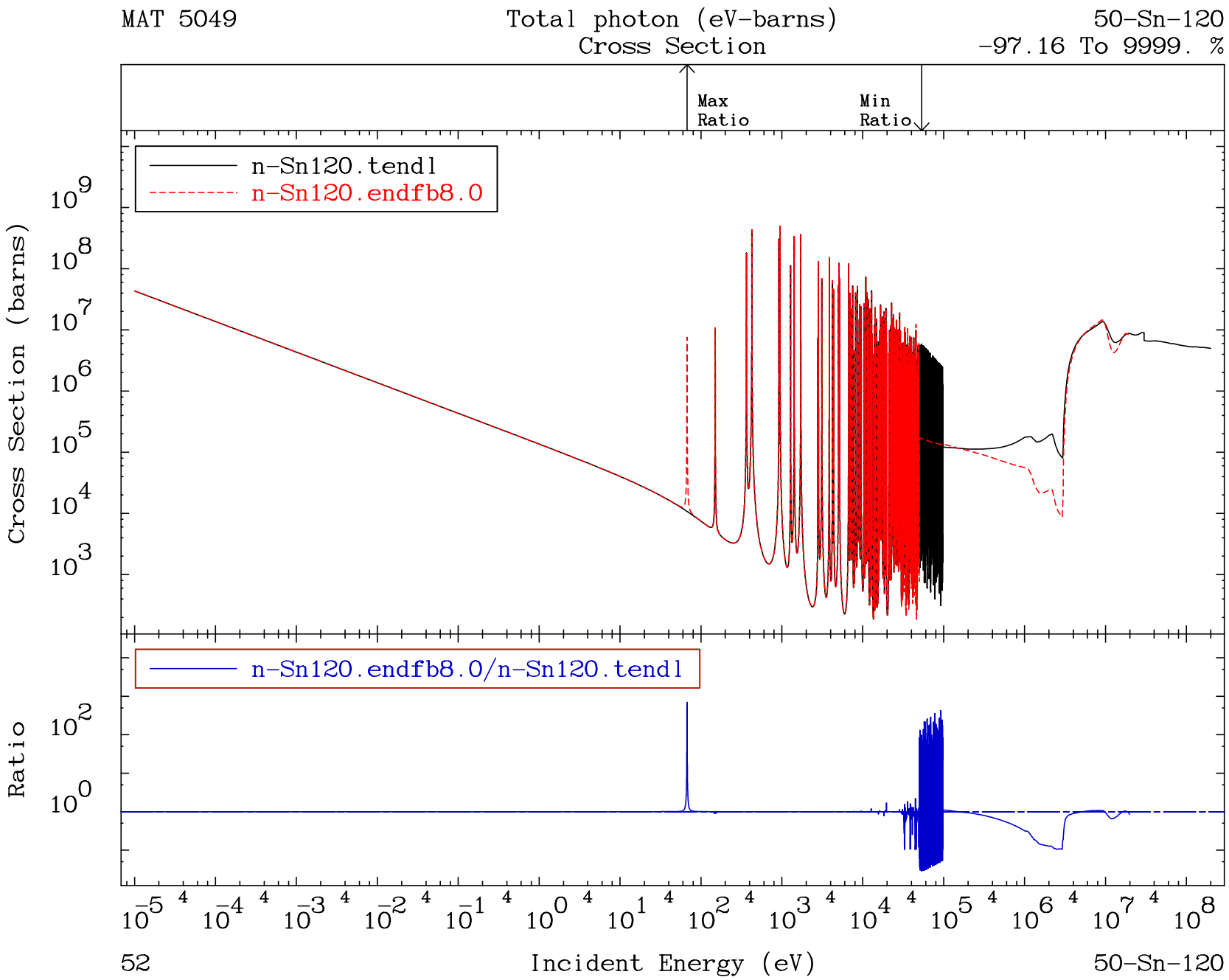

MAT 5049
Kerma elastic
Cross Section
50-Sn-120
-92.57 To 9999. %
Min Ratio
Max Ratio
n-Sn120.tendl
n-Sn120.endfb8.0
Cross Section (barns)
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
Incident Energy (eV)
47
50-Sn-120

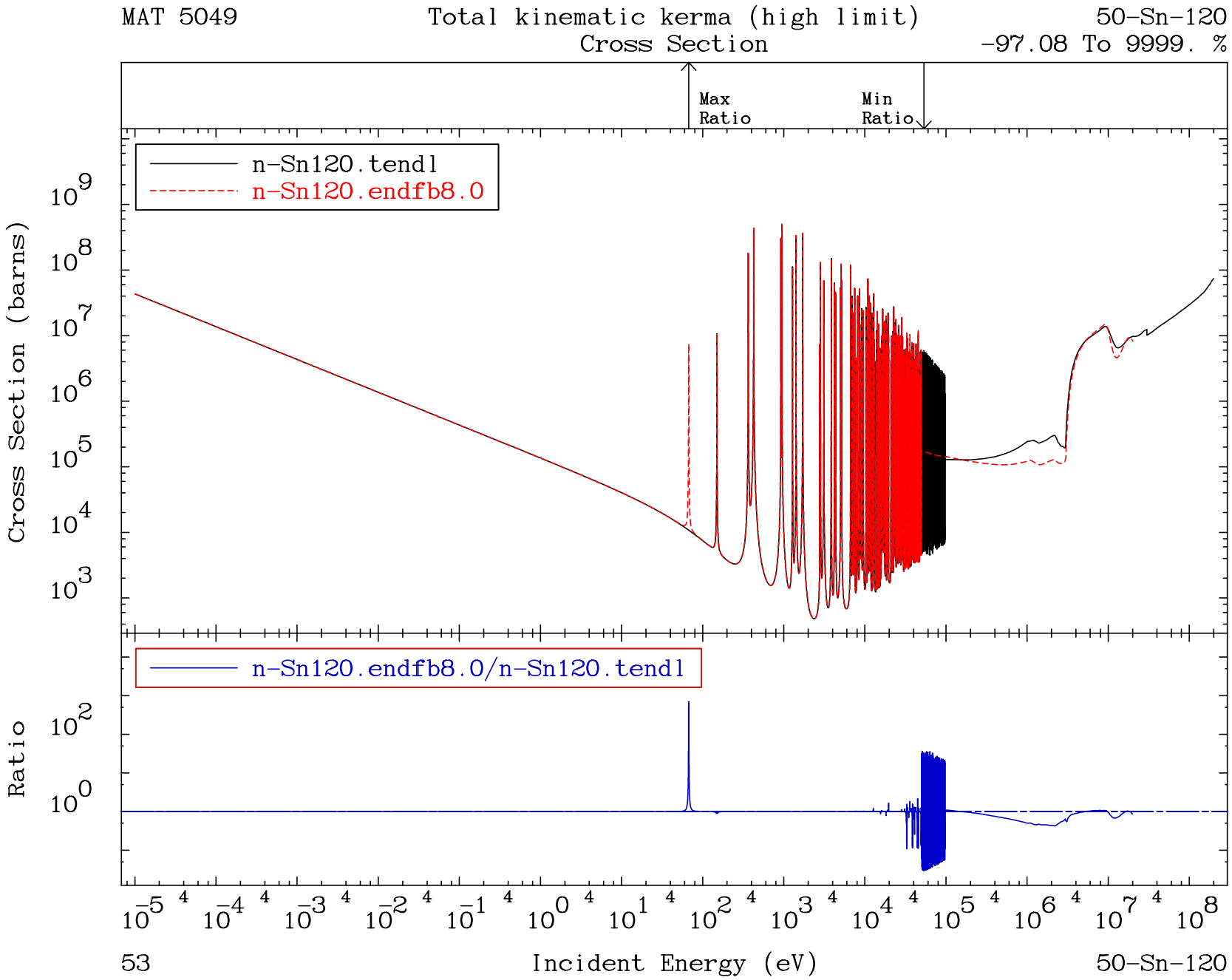

MAT 5049
Kerma non-elastic (all but mt2)
Cross Section
50-Sn-120
-97.16 To 9999. %
Max Ratio
Min Ratio
n-Sn120.tendl
n-Sn120.endfb8.0
Cross Section (barns)
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
Incident Energy (eV)
48
50-Sn-120

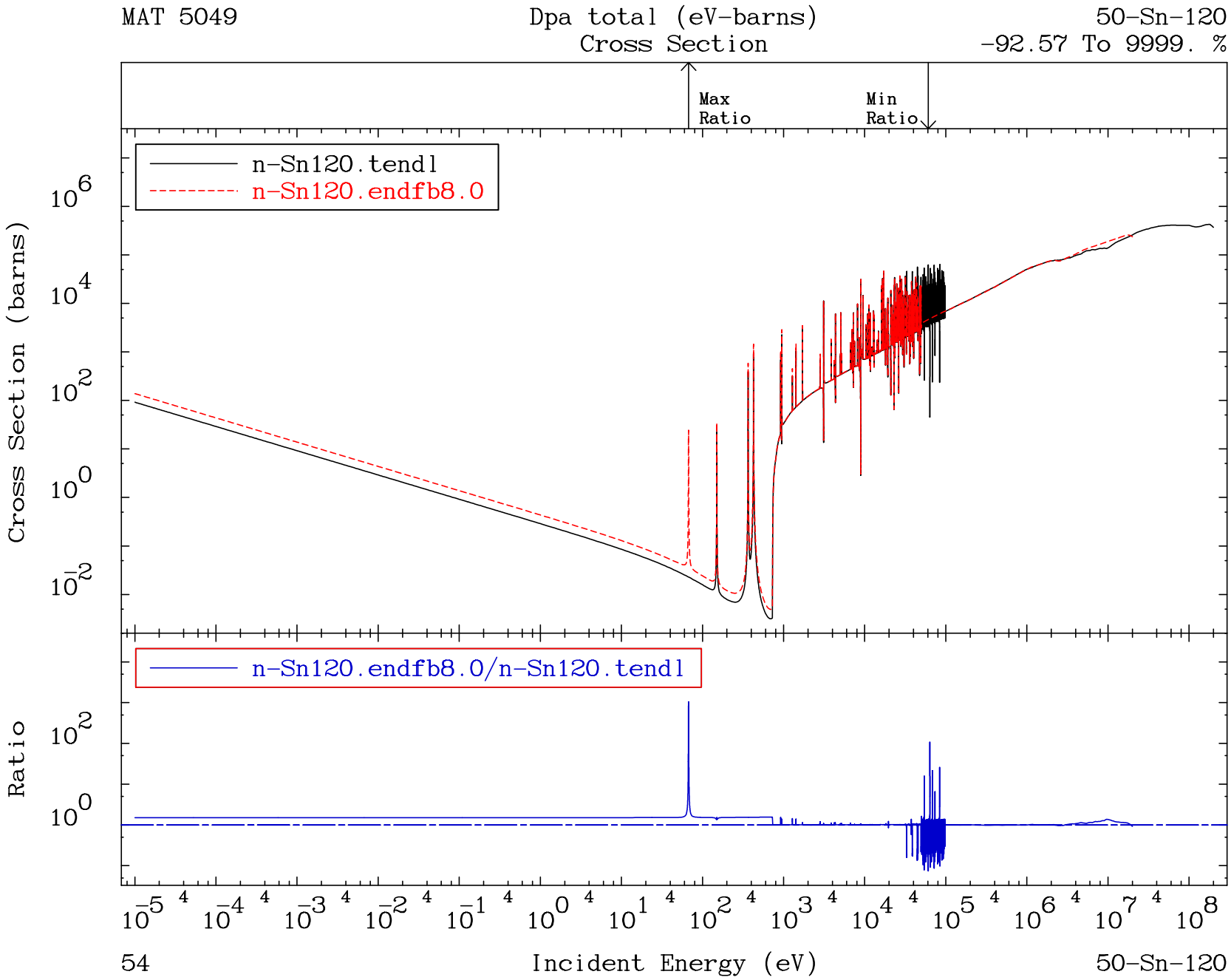

MAT 5049
Kerma inelastic (mt51-91)
Cross Section
50-Sn-120
-61.36 To 26.56 %
Max Ratio
Min Ratio
n-Sn120.tendl Threshold 1.2000 MeV
n-Sn120.endfb8.0 Threshold 1.2000 MeV
Cross Section (barns)
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
Incident Energy (eV)
49
50-Sn-120

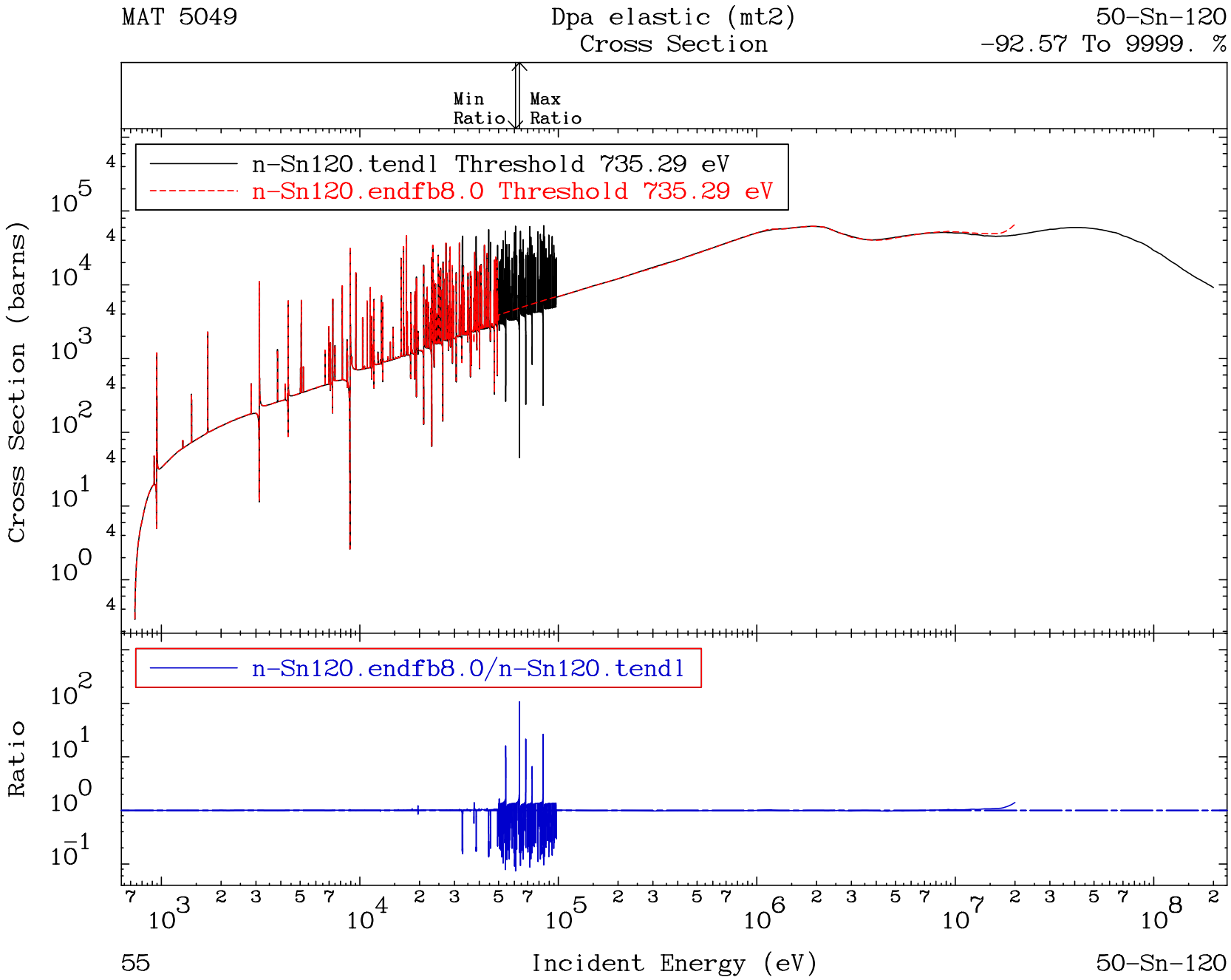

MAT 5049
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
50-Sn-120
-61.36 To 26.56 %
Max Ratio
Min Ratio
n-Sn120.tendl
n-Sn120.endfb8.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
1.2
0.8
0.4
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
50
Incident Energy (eV)
50-Sn-120

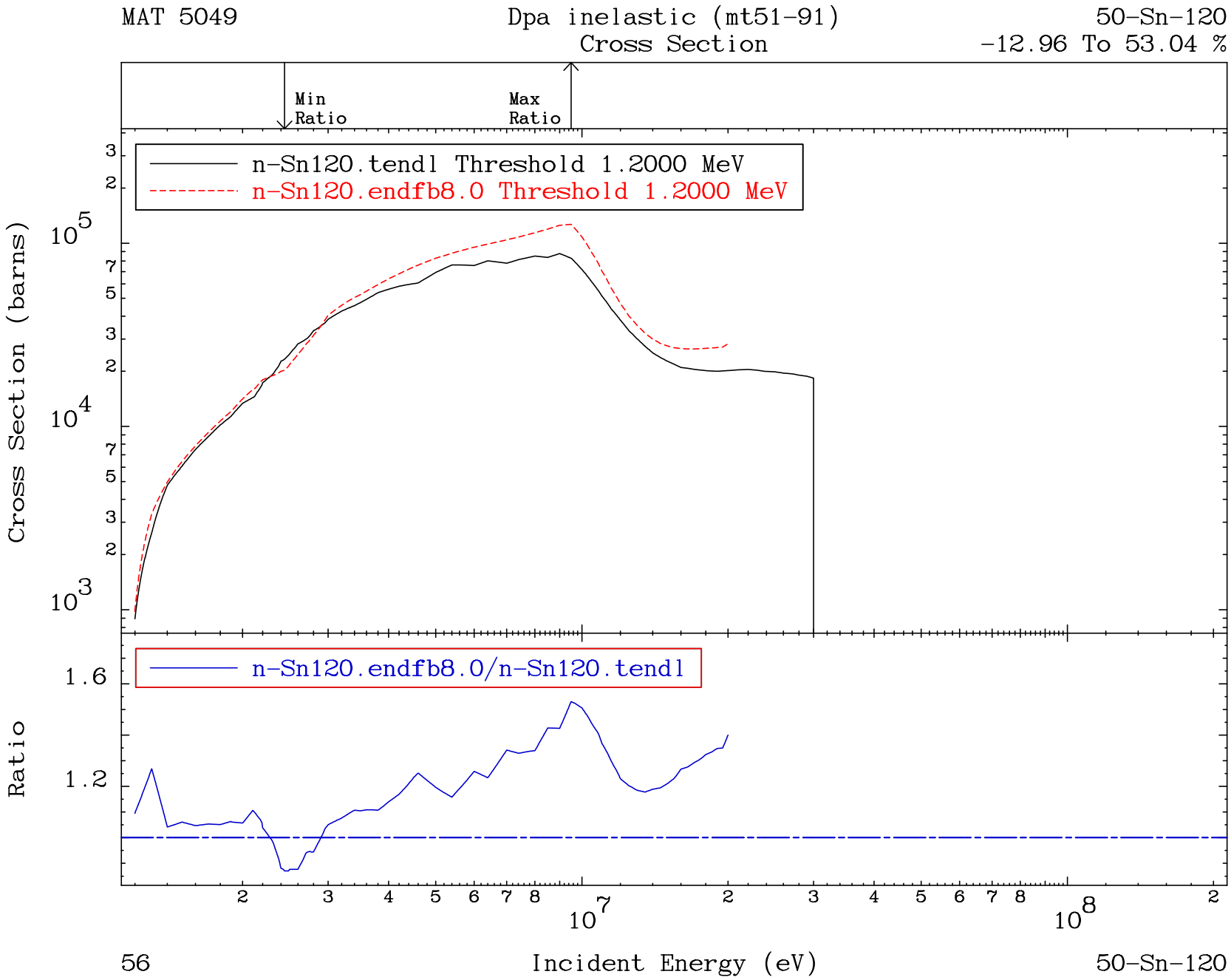

MAT 5049
Kerma capture (mt102)
Cross Section
50-Sn-120
-97.16 To 9999. %
Max Ratio
Min Ratio
n-Sn120.tendl
n-Sn120.endfb8.0
Cross Section (barns)
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
Incident Energy (eV)
51
50-Sn-120

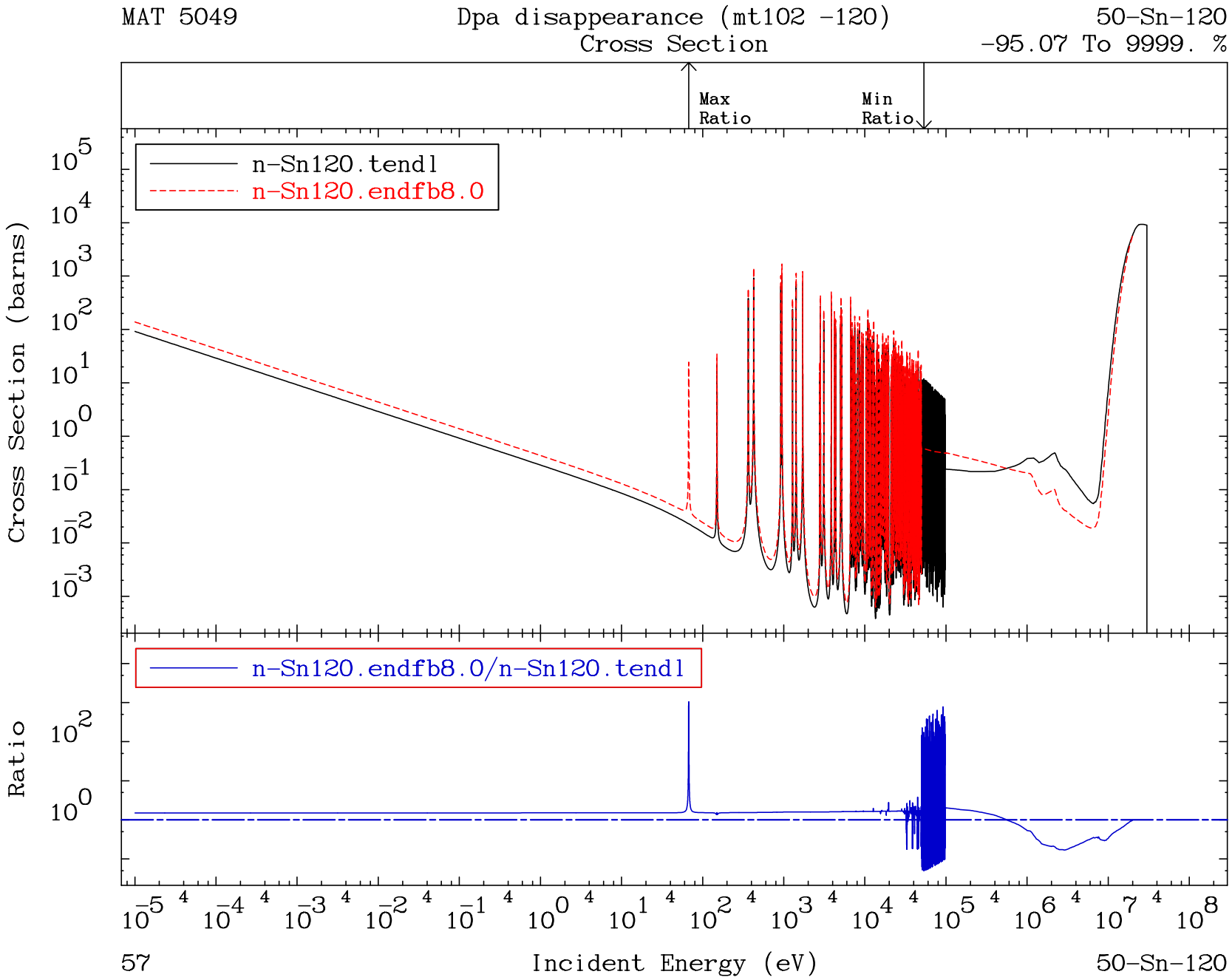

MAT 5049
Total photon (eV-barns)
Cross Section
50-Sn-120
-97.16 To 9999. %
Max Ratio
Min Ratio
n-Sn120.tendl
n-Sn120.endfb8.0
Cross Section (barns)
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
Incident Energy (eV)
52
50-Sn-120


MAT 5049
Total kinematic kerma (high limit)
Cross Section
50-Sn-120
-97.08 To 9999. %
Max Ratio
Min Ratio
n-Sn120.tendl
n-Sn120.endfb8.0
Cross Section (barns)
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
Incident Energy (eV)
53
50-Sn-120


MAT 5049
Dpa total (eV-barns)
Cross Section
50-Sn-120
-92.57 To 9999. %
Max Ratio
Min Ratio
n-Sn120.tendl
n-Sn120.endfb8.0
Cross Section (barns)
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
Incident Energy (eV)
54
50-Sn-120


MAT 5049
Dpa elastic (mt2)
Cross Section
50-Sn-120
-92.57 To 9999. %
Min Ratio
Max Ratio
n-Sn120.tendl Threshold 735.29 eV
n-Sn120.endfb8.0 Threshold 735.29 eV
Cross Section (barns)
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
Incident Energy (eV)
55
50-Sn-120


MAT 5049
Dpa inelastic (mt51-91)
Cross Section
50-Sn-120
-12.96 To 53.04 %
Min Ratio
Max Ratio
n-Sn120.tendl Threshold 1.2000 MeV
n-Sn120.endfb8.0 Threshold 1.2000 MeV
Cross Section (barns)
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
Incident Energy (eV)
56
50-Sn-120


MAT 5049
Dpa disappearance (mt102 -120)
Cross Section
50-Sn-120
-95.07 To 9999. %
Max Ratio
Min Ratio
n-Sn120.tendl
n-Sn120.endfb8.0
Cross Section (barns)
n-Sn120.endfb8.0/n-Sn120.tendl
Ratio
57
Incident Energy (eV)
50-Sn-120