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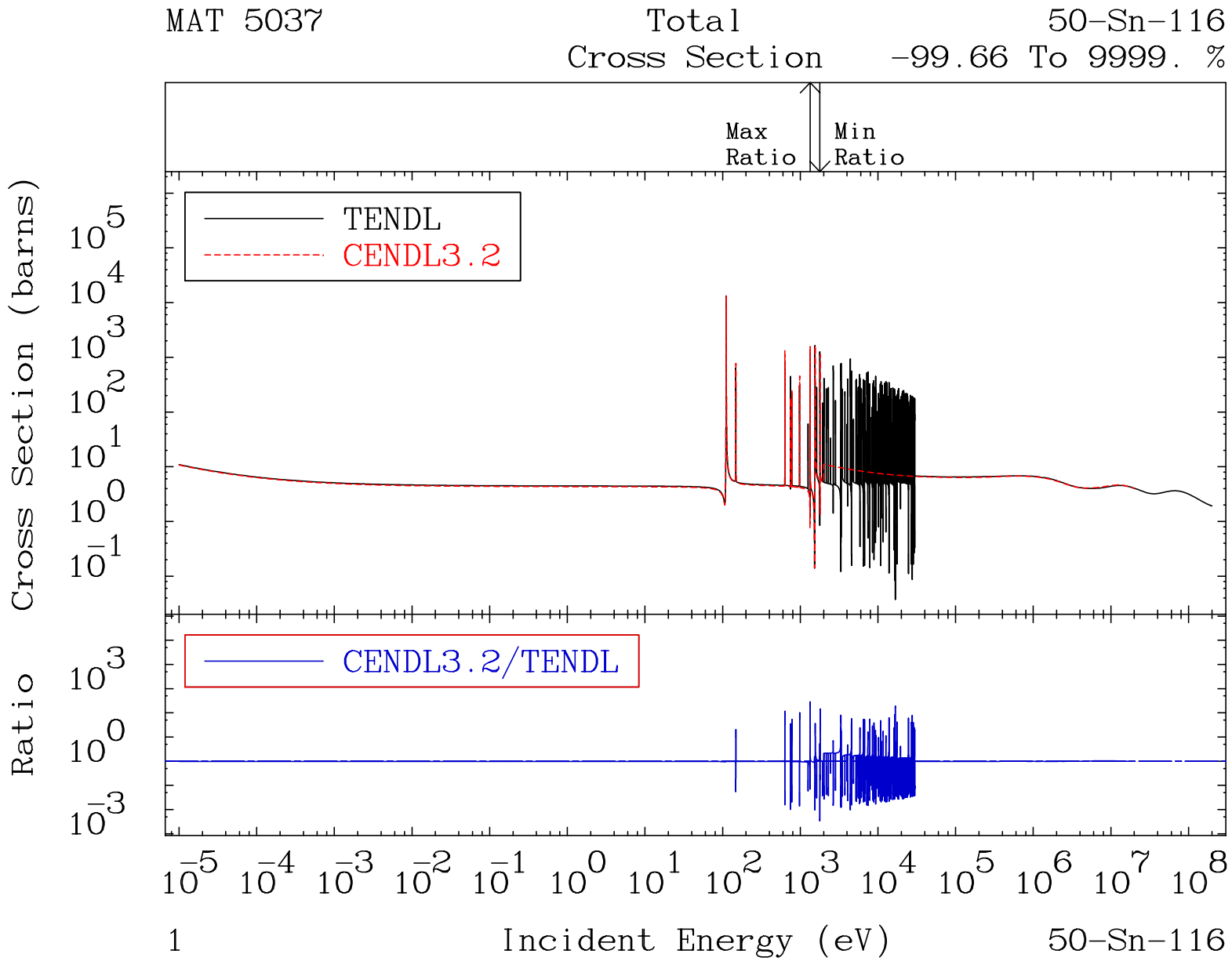
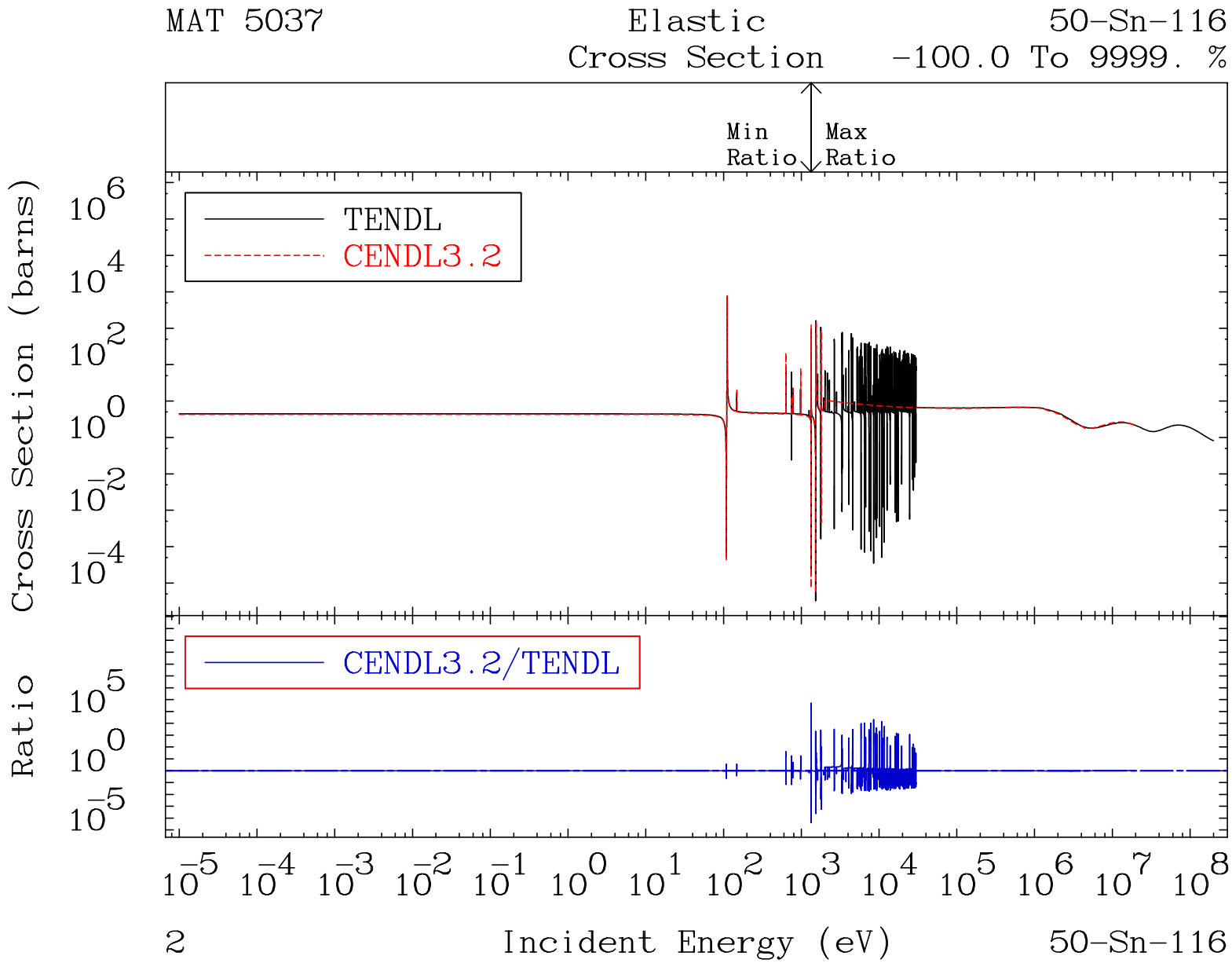
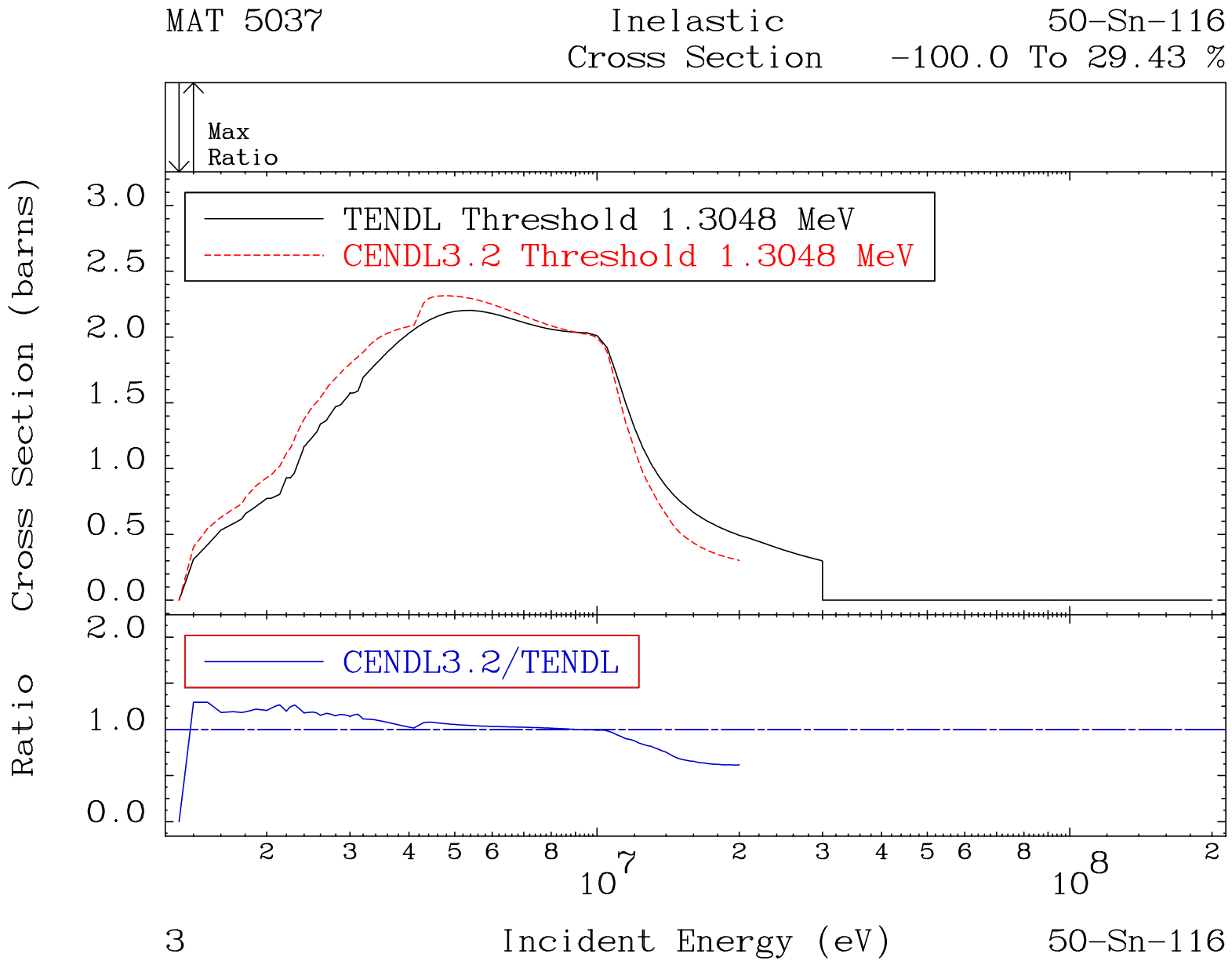
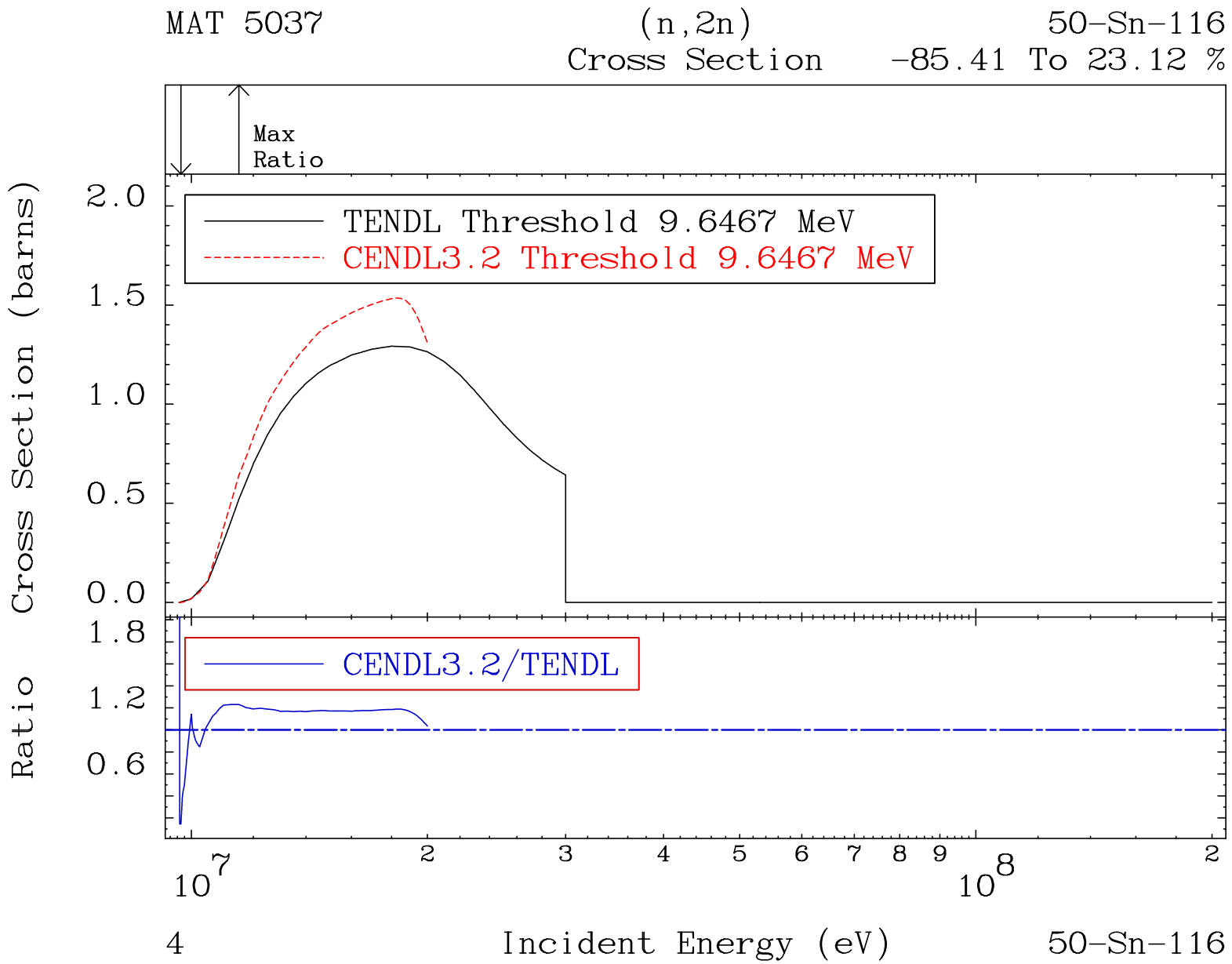
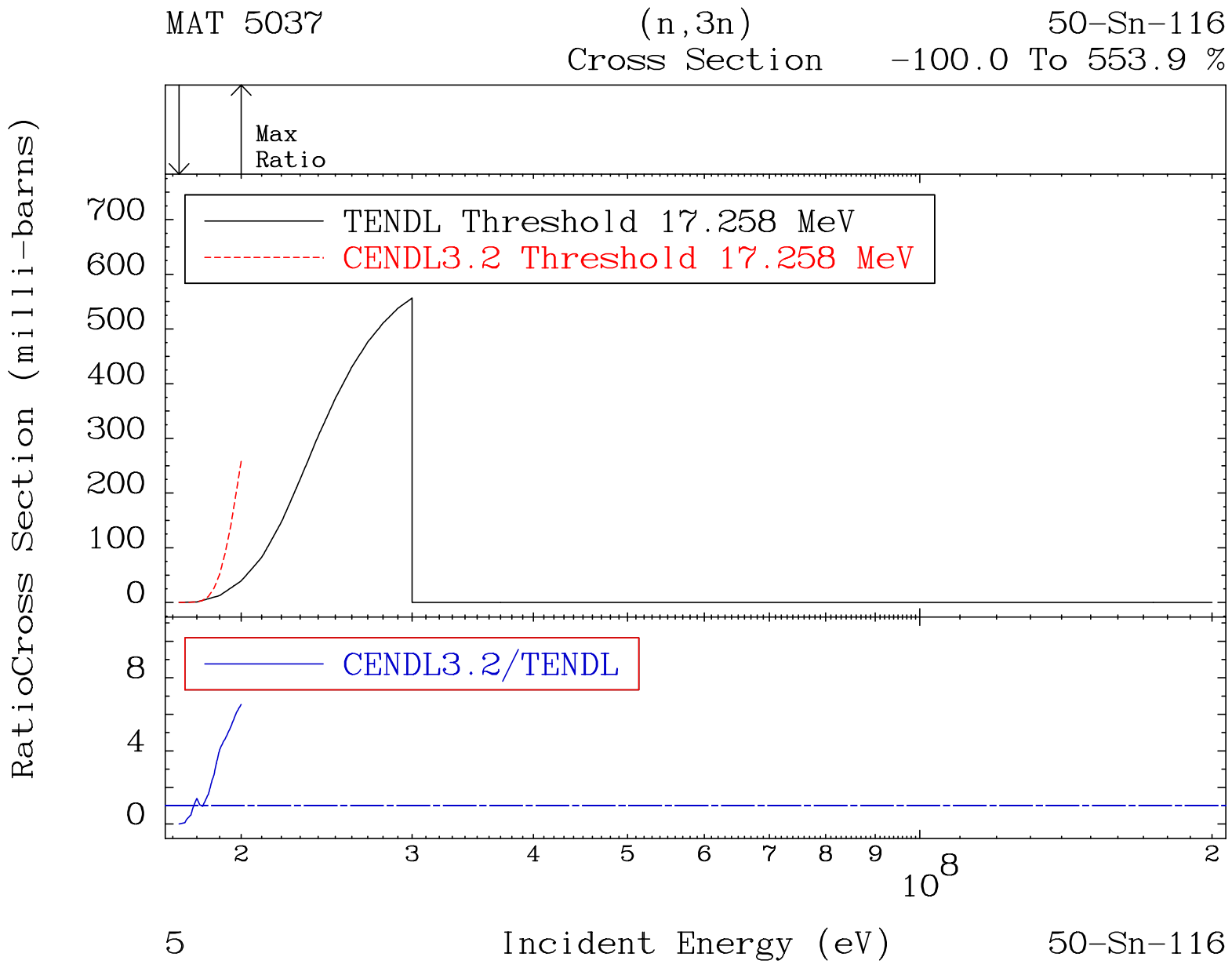
Press Mouse Button to Start

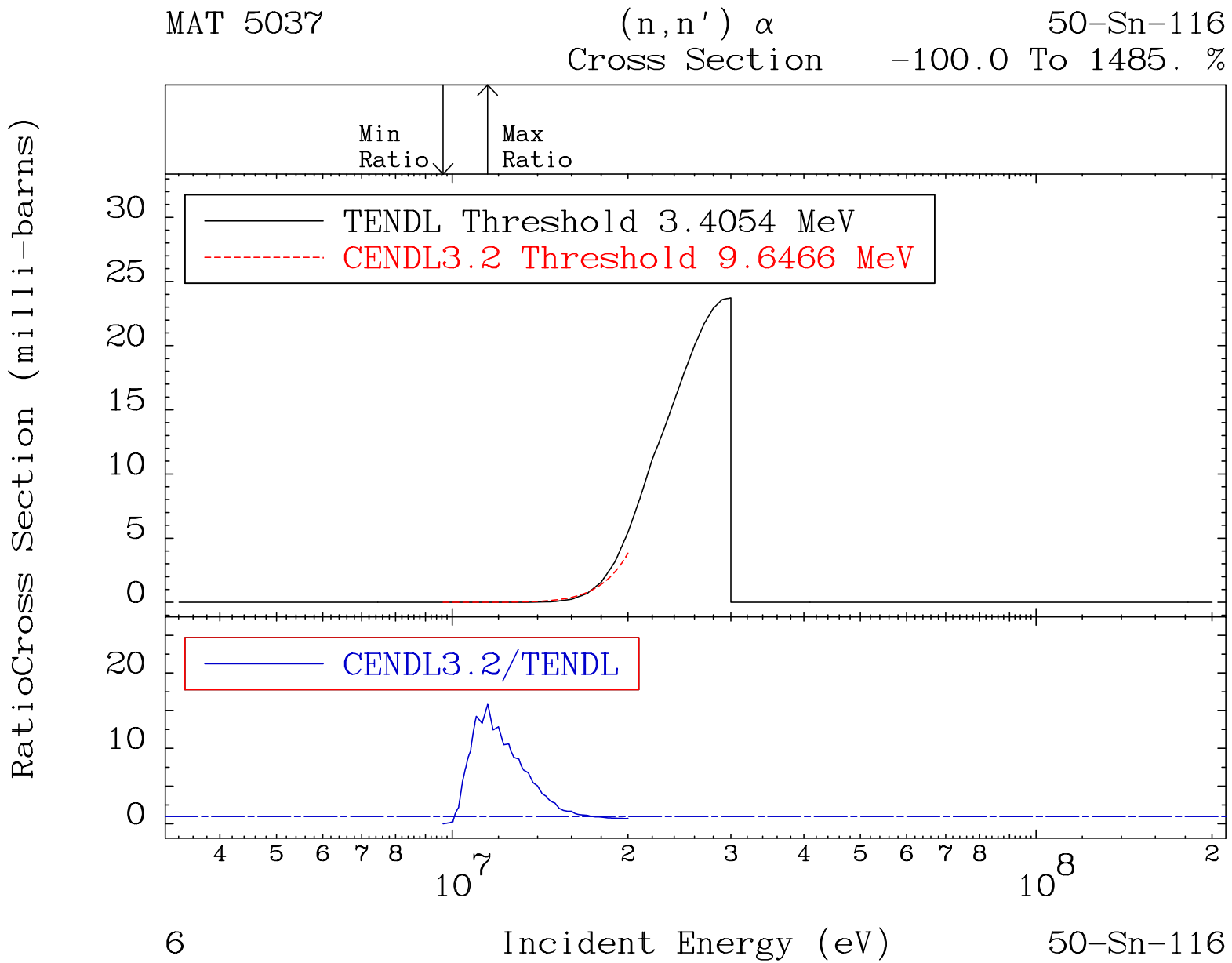

MAT 5037
Total
Cross Section
50-Sn-116
-99.66 To 9999. %
Max
Ratio
Min
Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
1
50-Sn-116

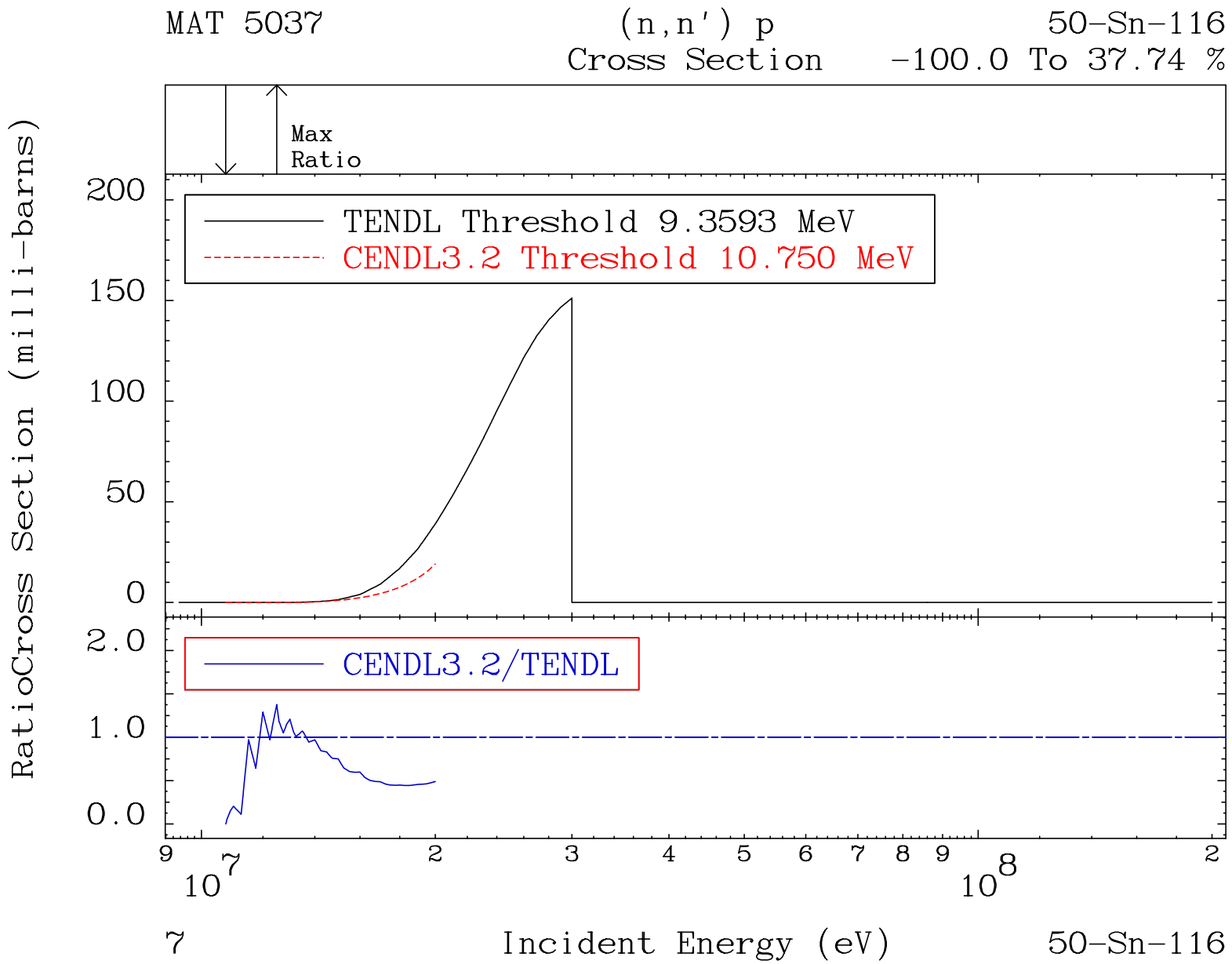

MAT 5037
Elastic
Cross Section
50-Sn-116
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
50-Sn-116

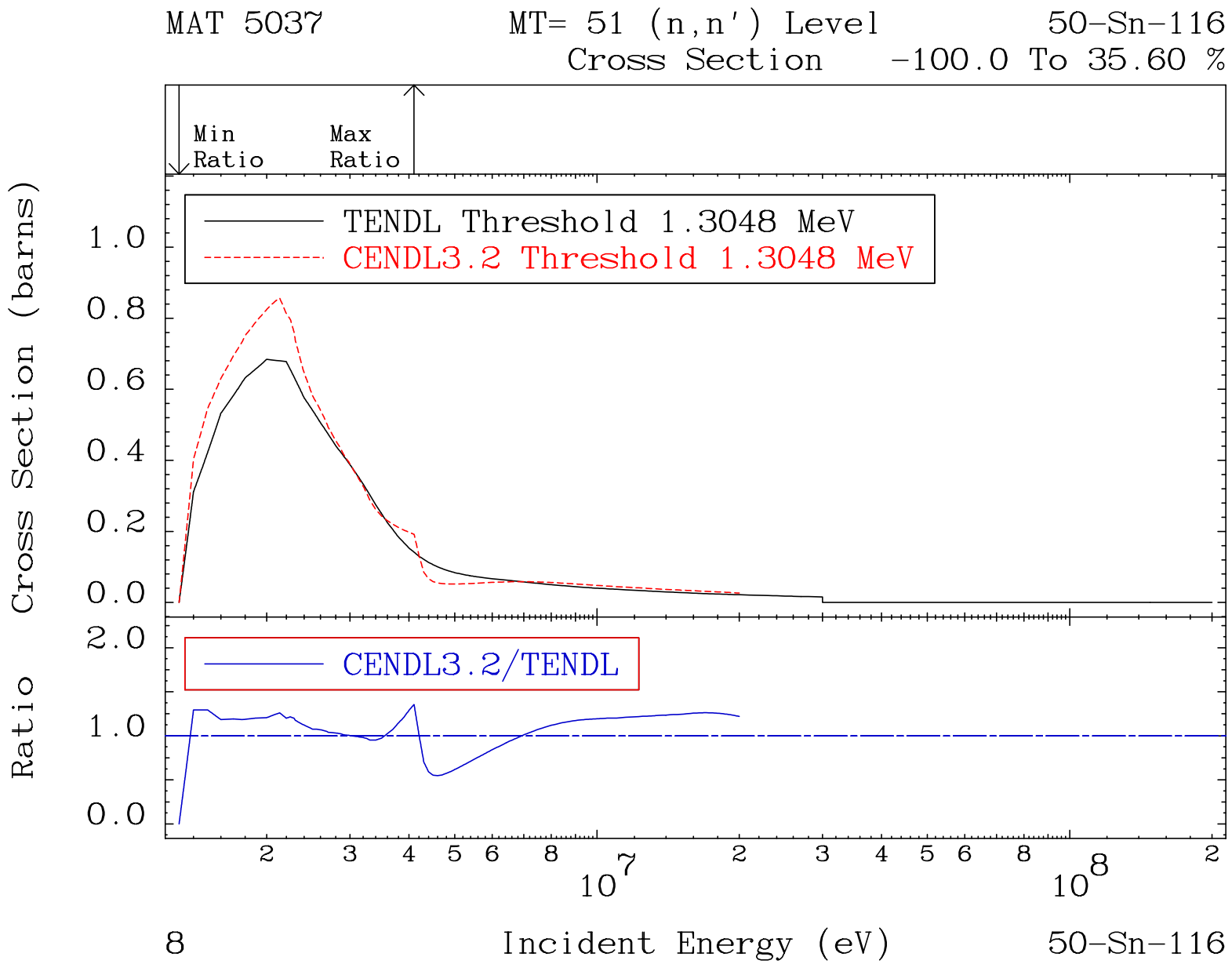

MAT 5037
Inelastic
Cross Section
50-Sn-116
-100.0 To 29.43 %
Max
Ratio
TENDL Threshold 1.3048 MeV
CENDL3.2 Threshold 1.3048 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
Incident Energy (eV)
3
50-Sn-116

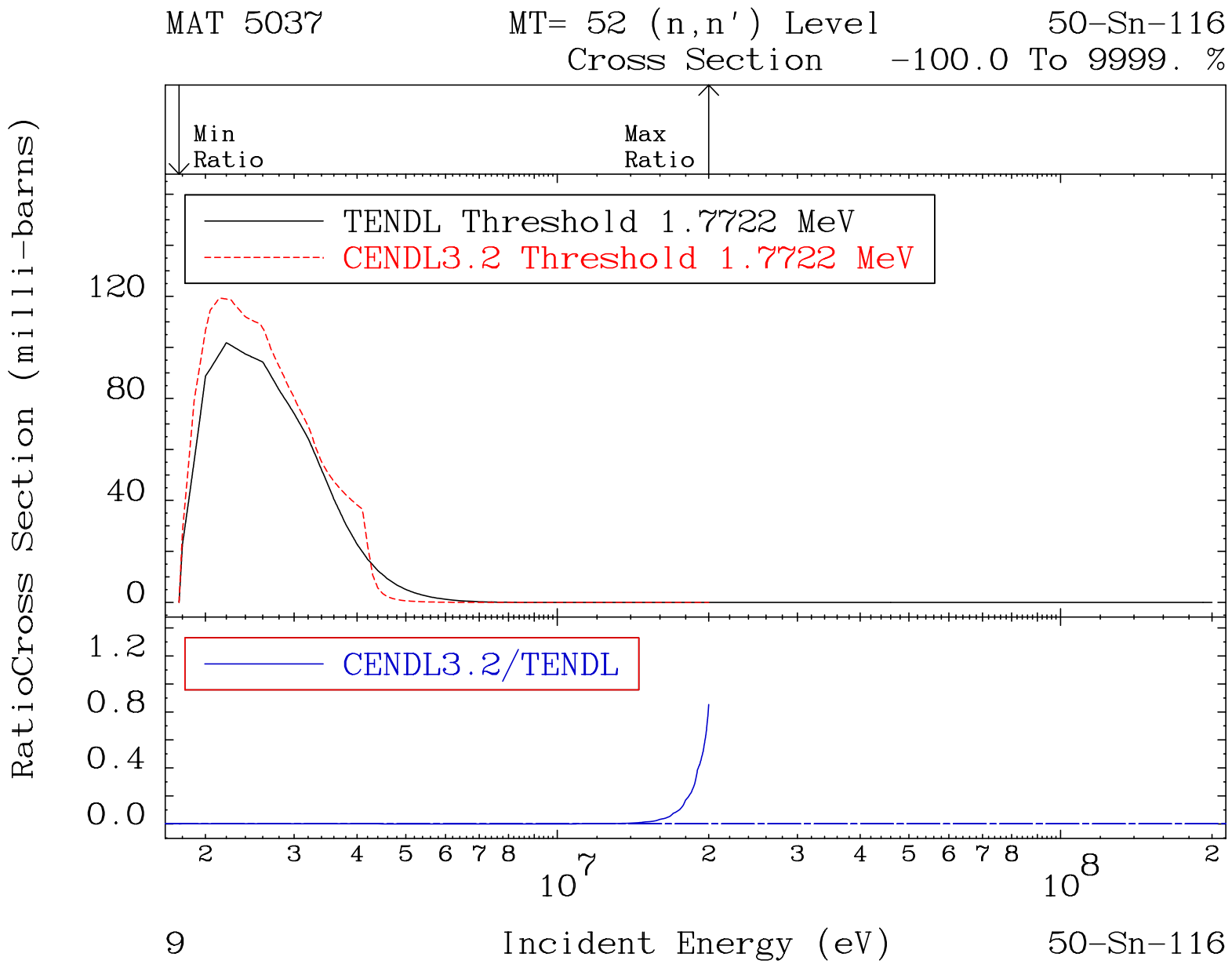

MAT 5037
(n,2n)
Cross Section
50-Sn-116
-85.41 To 23.12 %
Max
Ratio
TENDL Threshold 9.6467 MeV
CENDL3.2 Threshold 9.6467 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.8
1.2
0.6
10^7
2
3
4
5
6
7
8
9
10^8
2
Incident Energy (eV)
4
50-Sn-116

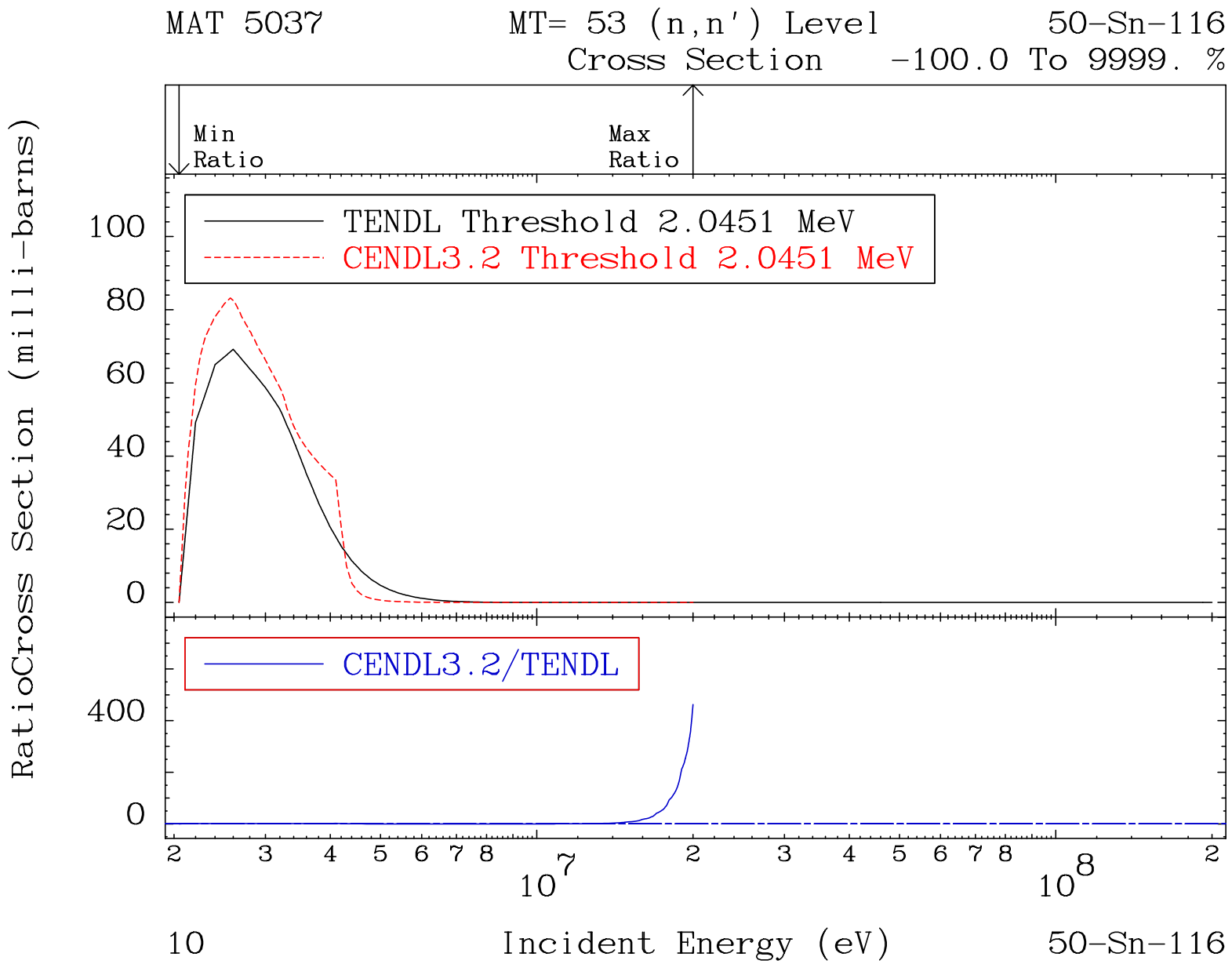

MAT 5037
(n,3n)
Cross Section
50-Sn-116
-100.0 To 553.9 %
Max
Ratio
TENDL Threshold 17.258 MeV
CENDL3.2 Threshold 17.258 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
700
600
500
400
300
200
100
0
8
4
0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
50-Sn-116

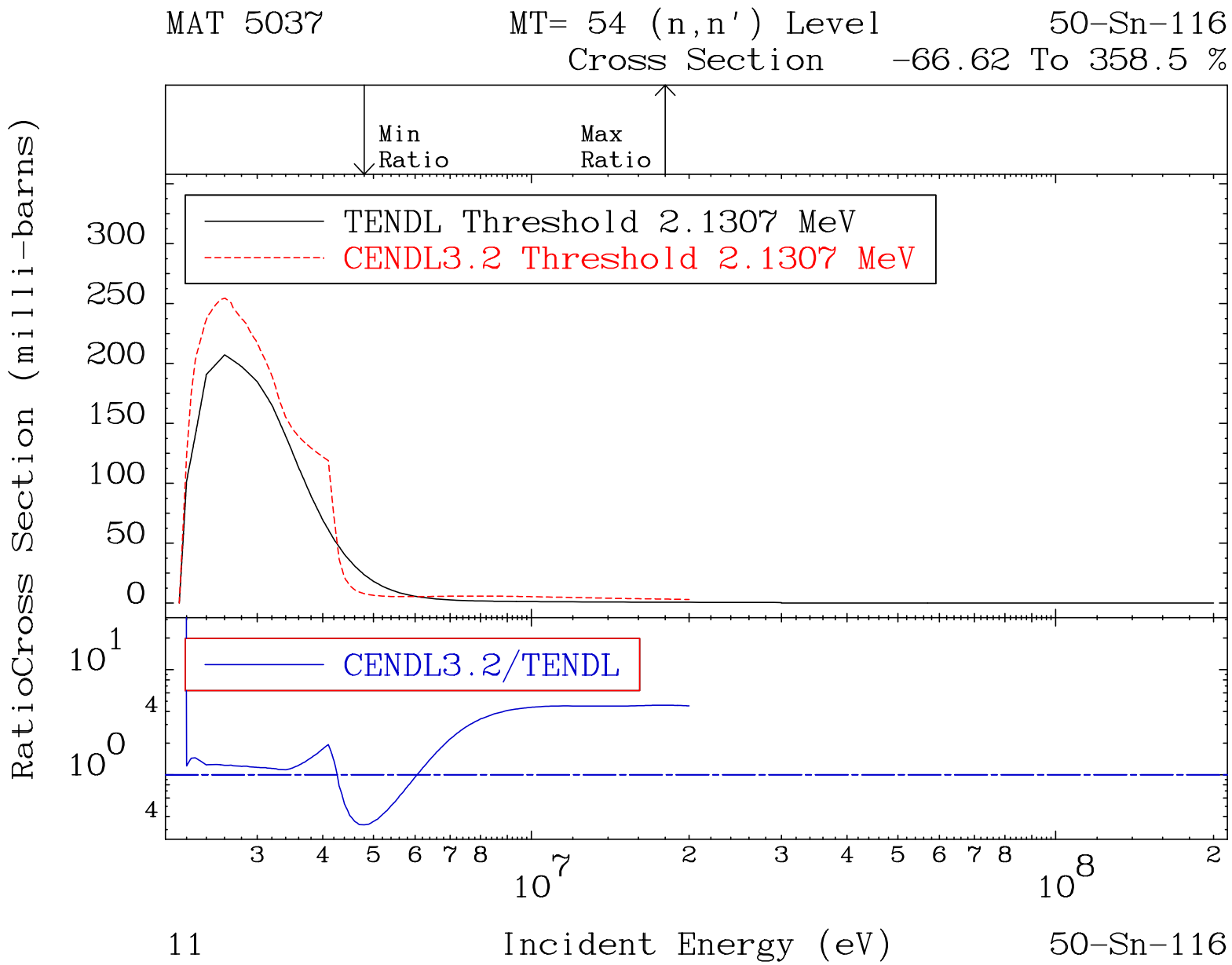

MAT 5037
(n,n') α
Cross Section
50-Sn-116
-100.0 To 1485. %
Min Ratio
Max Ratio
TENDL Threshold 3.4054 MeV
CENDL3.2 Threshold 9.6466 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
20
10
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
6
Incident Energy (eV)
50-Sn-116

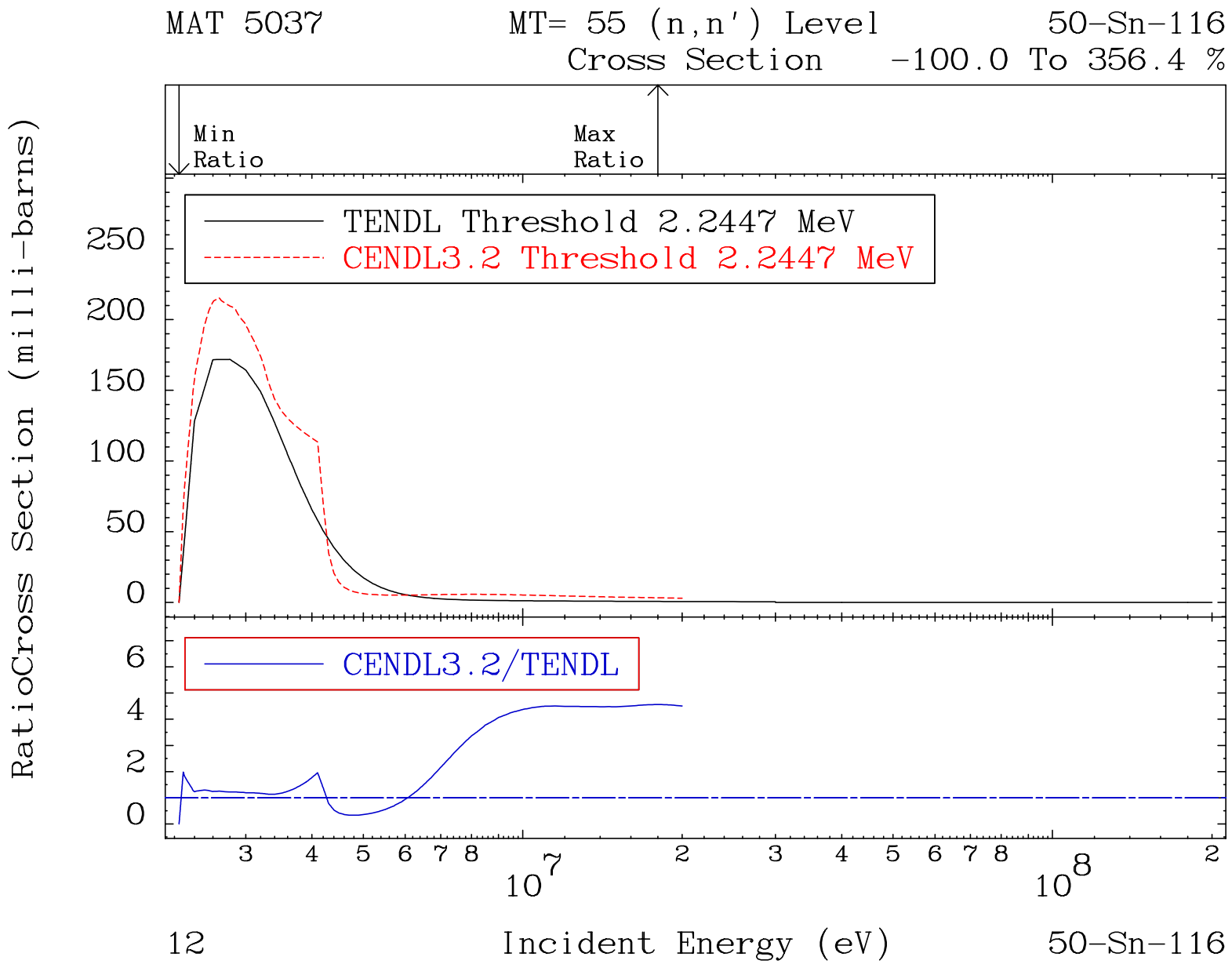

MAT 5037
(n,n') p
Cross Section
50-Sn-116
-100.0 To 37.74 %
Max
Ratio
TENDL Threshold 9.3593 MeV
CENDL3.2 Threshold 10.750 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
50-Sn-116

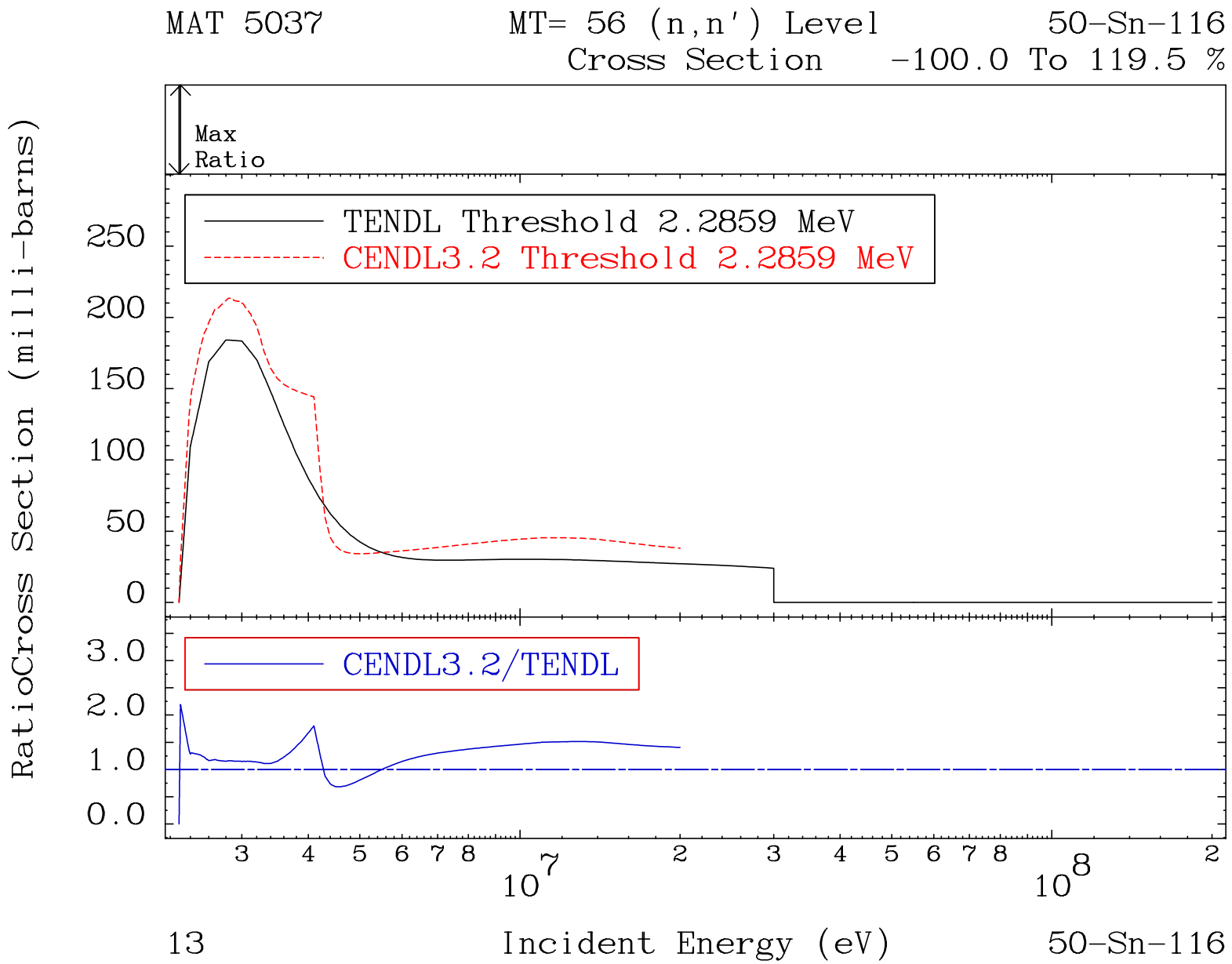

MAT 5037
MT= 51 (n,n') Level
50-Sn-116
Cross Section
-100.0 To 35.60 %
Min Ratio
Max Ratio
TENDL Threshold 1.3048 MeV
CENDL3.2 Threshold 1.3048 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
Incident Energy (eV)
8
50-Sn-116

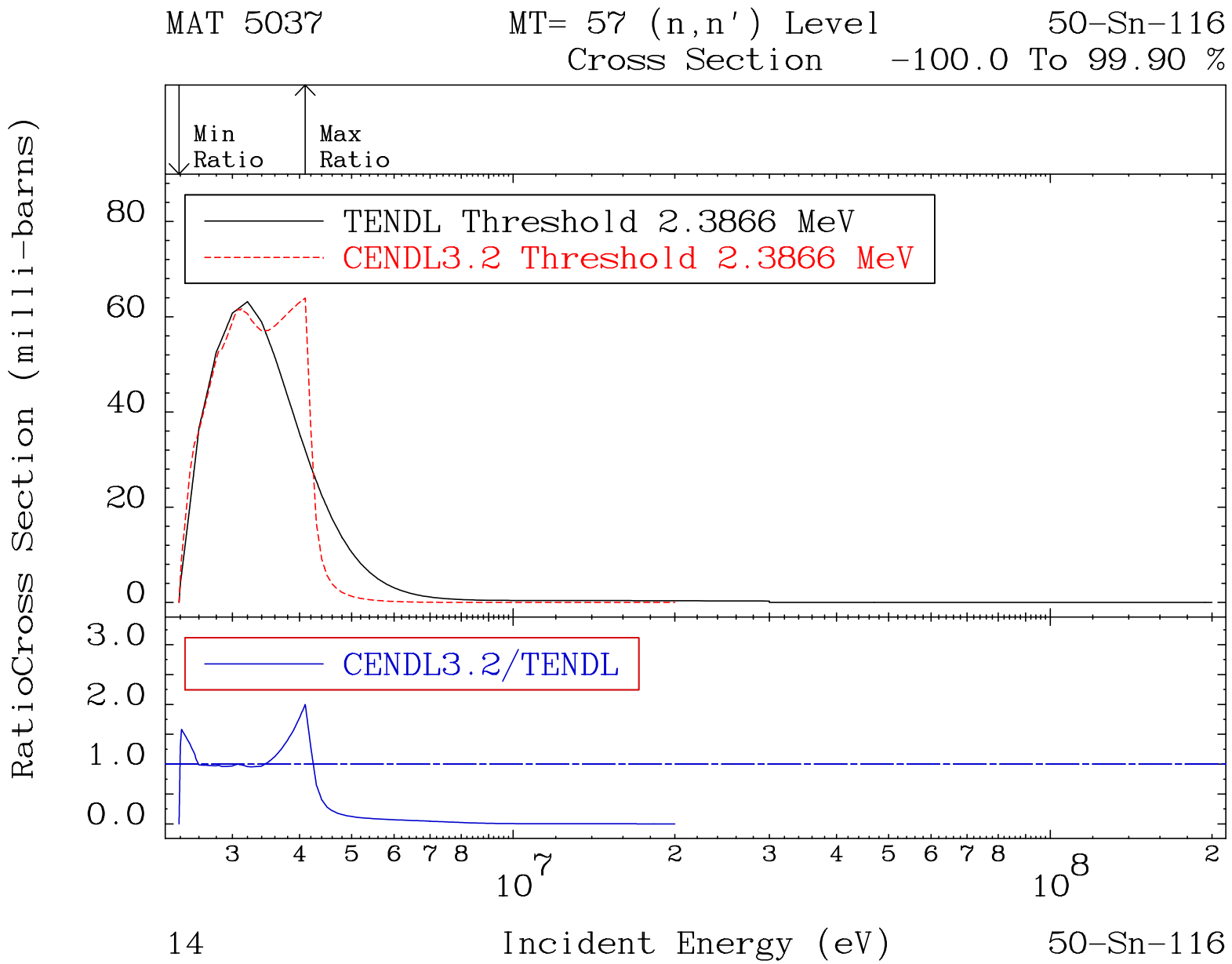

MAT 5037
MT= 52 (n,n') Level
50-Sn-116
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.7722 MeV
CENDL3.2 Threshold 1.7722 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
120
80
40
0
1.2
0.8
0.4
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
9
Incident Energy (eV)
50-Sn-116

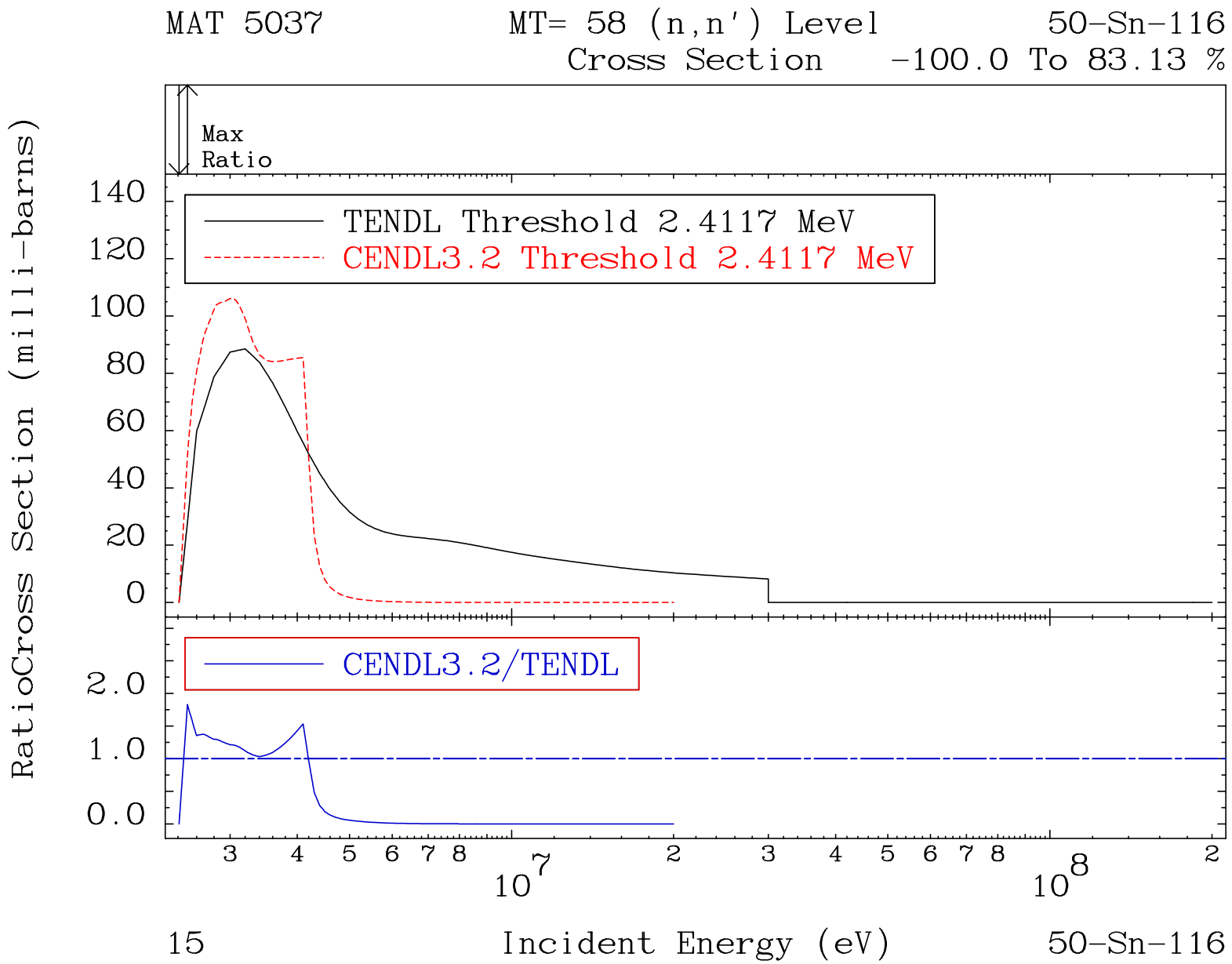

MAT 5037
MT= 53 (n,n') Level
50-Sn-116
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.0451 MeV
CENDL3.2 Threshold 2.0451 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
400
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
10
Incident Energy (eV)
50-Sn-116

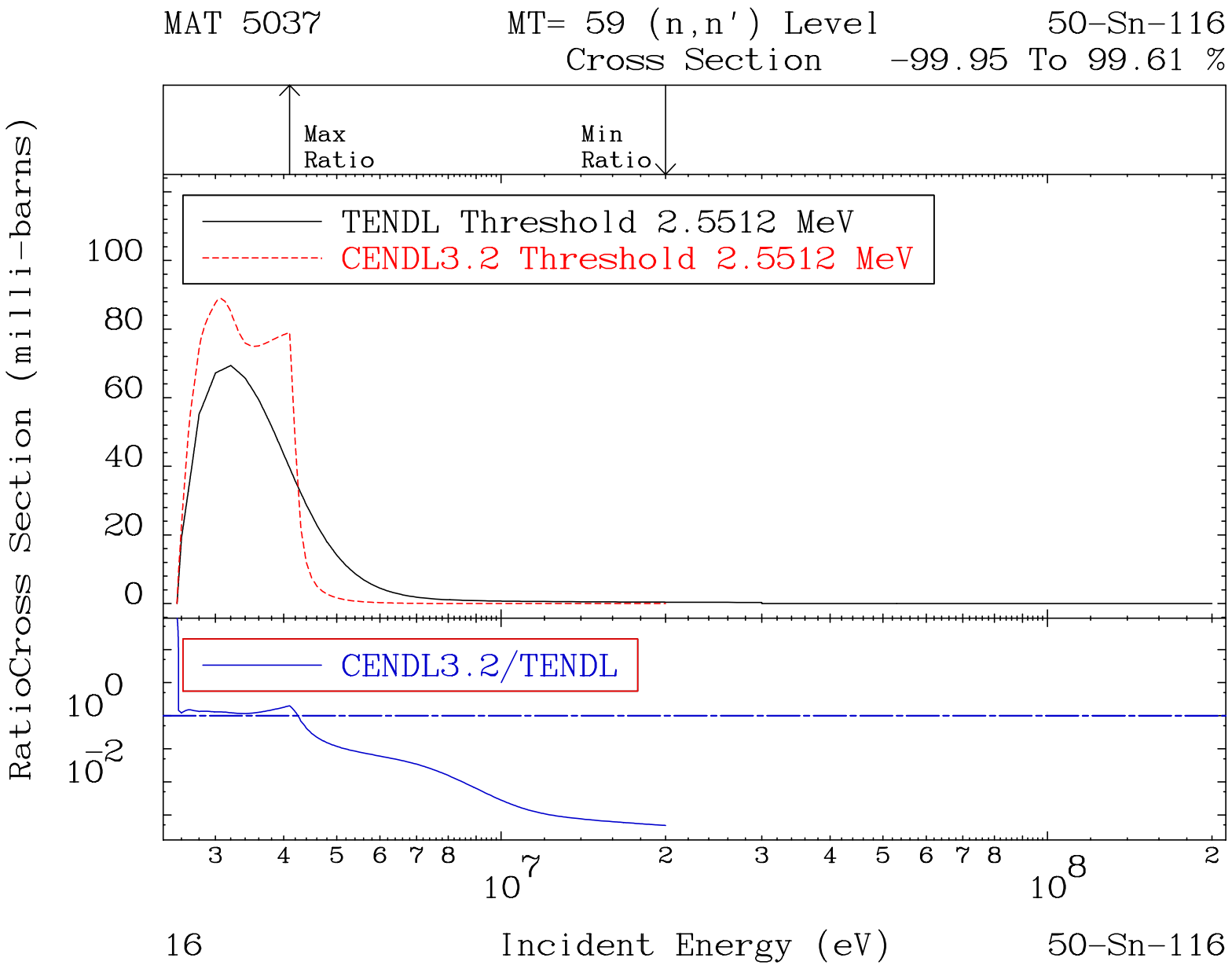

MAT 5037
MT= 54 (n,n') Level
50-Sn-116
Cross Section -66.62 To 358.5 %
Min Ratio
Max Ratio
TENDL Threshold 2.1307 MeV
CENDL3.2 Threshold 2.1307 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
10^1
10^0
4
4
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
11
Incident Energy (eV)
50-Sn-116

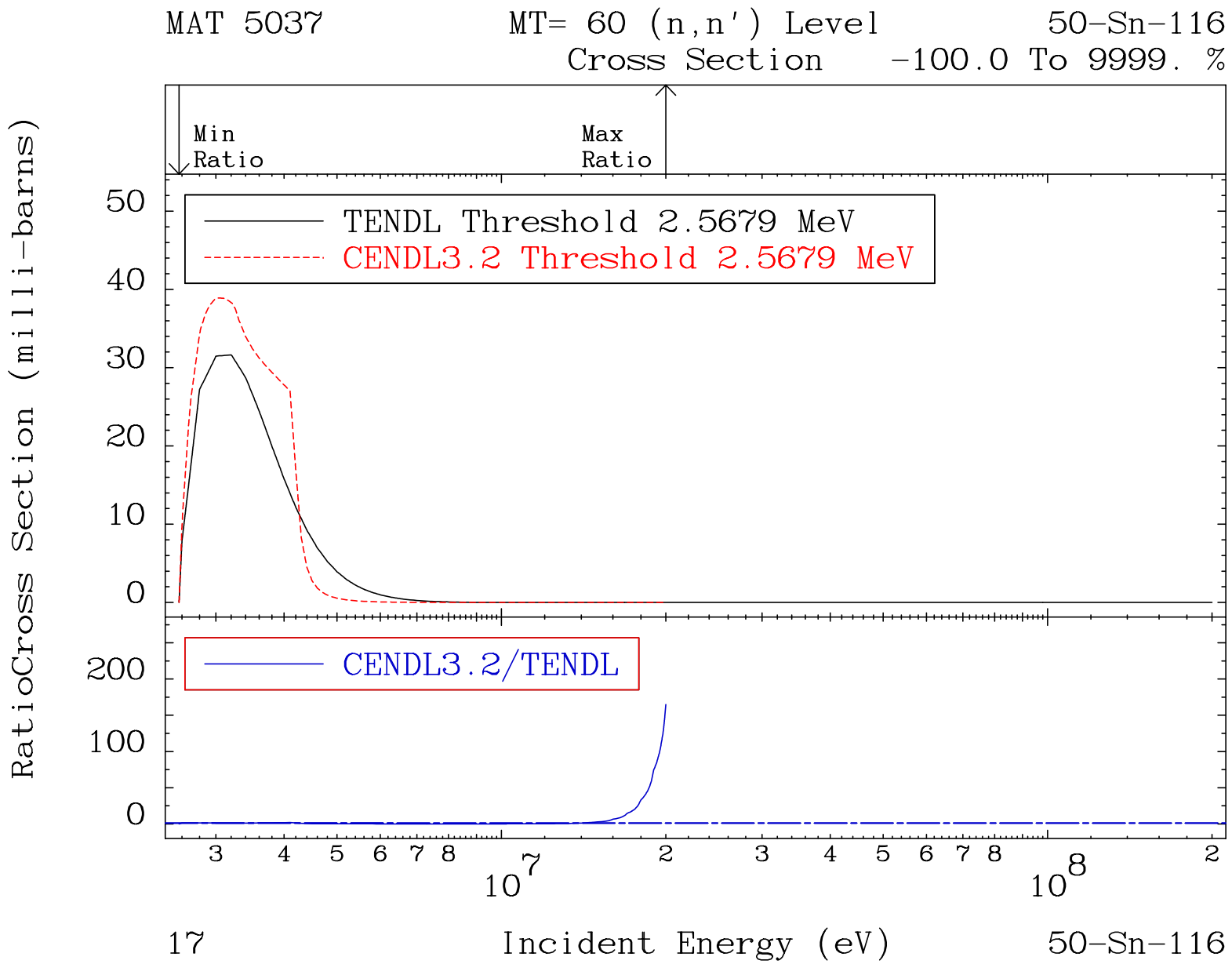

MAT 5037
MT= 55 (n,n') Level
50-Sn-116
Cross Section -100.0 To 356.4 %
Min Ratio
Max Ratio
TENDL Threshold 2.2447 MeV
CENDL3.2 Threshold 2.2447 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
6
4
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
12
50-Sn-116

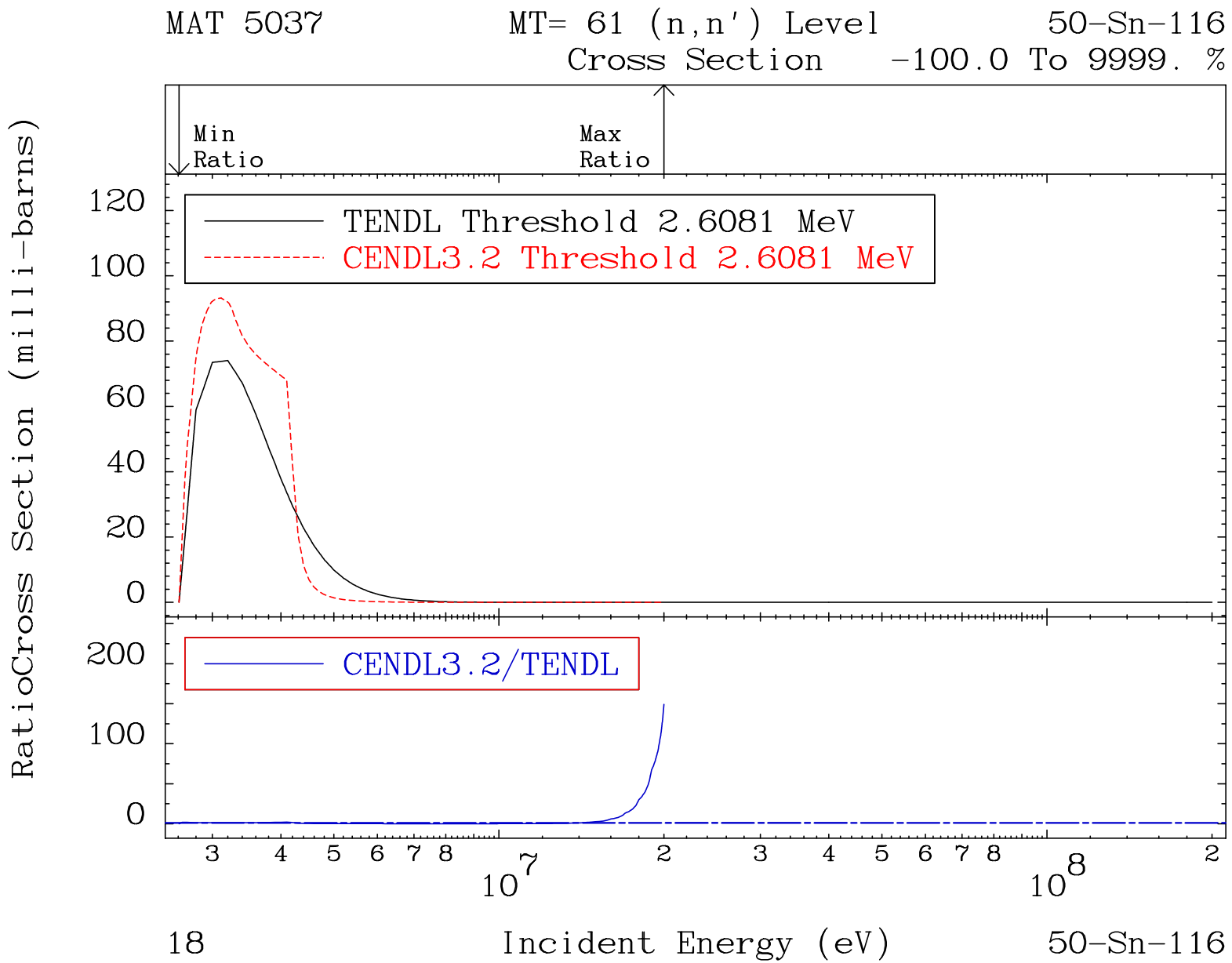

MAT 5037
MT= 56 (n,n') Level
50-Sn-116
Cross Section
-100.0 To 119.5 %
Max
Ratio
TENDL Threshold 2.2859 MeV
CENDL3.2 Threshold 2.2859 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
50-Sn-116

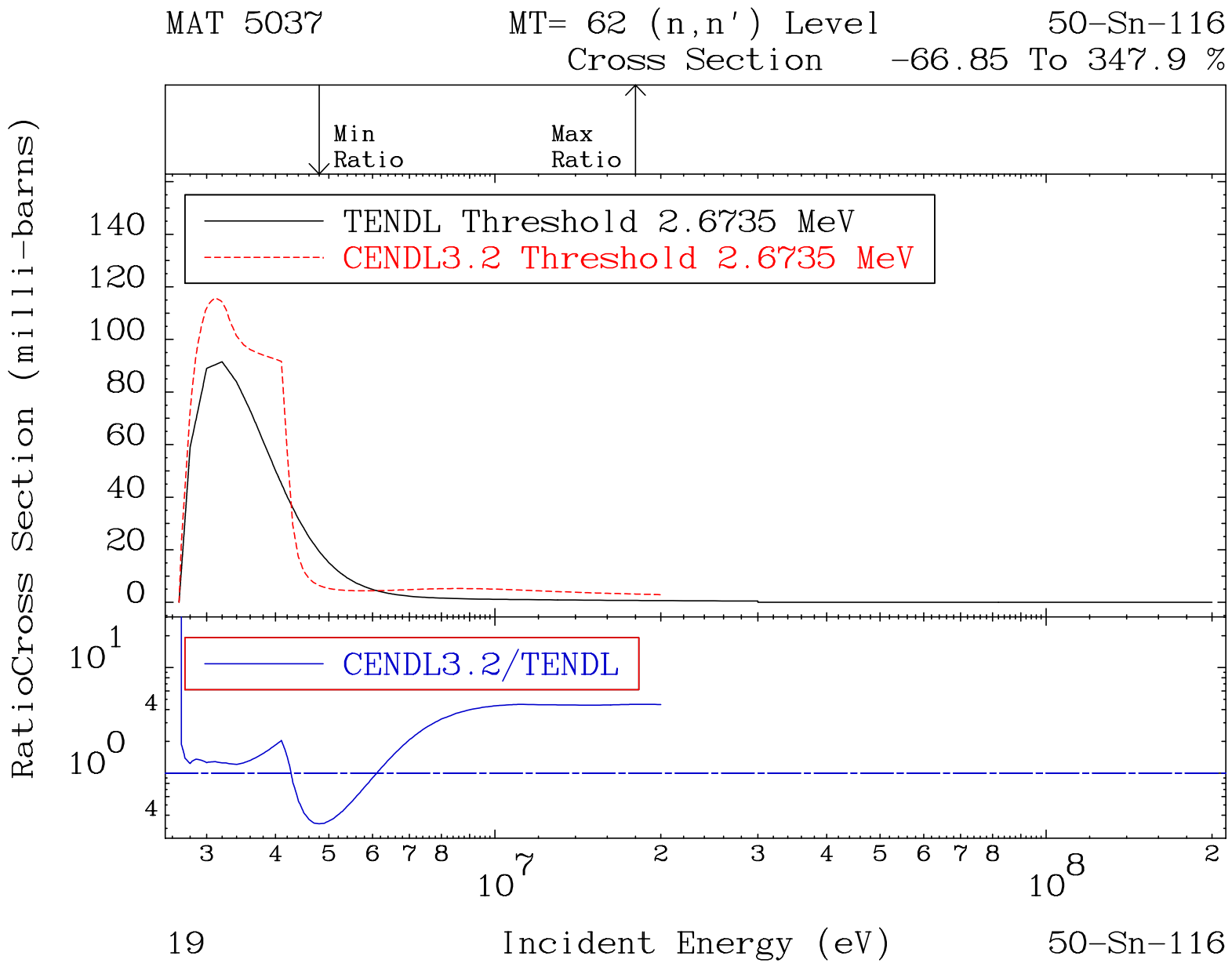

MAT 5037
MT= 57 (n,n') Level
50-Sn-116
Cross Section -100.0 To 99.90 %
Min Ratio
Max Ratio
TENDL Threshold 2.3866 MeV
CENDL3.2 Threshold 2.3866 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
14
50-Sn-116

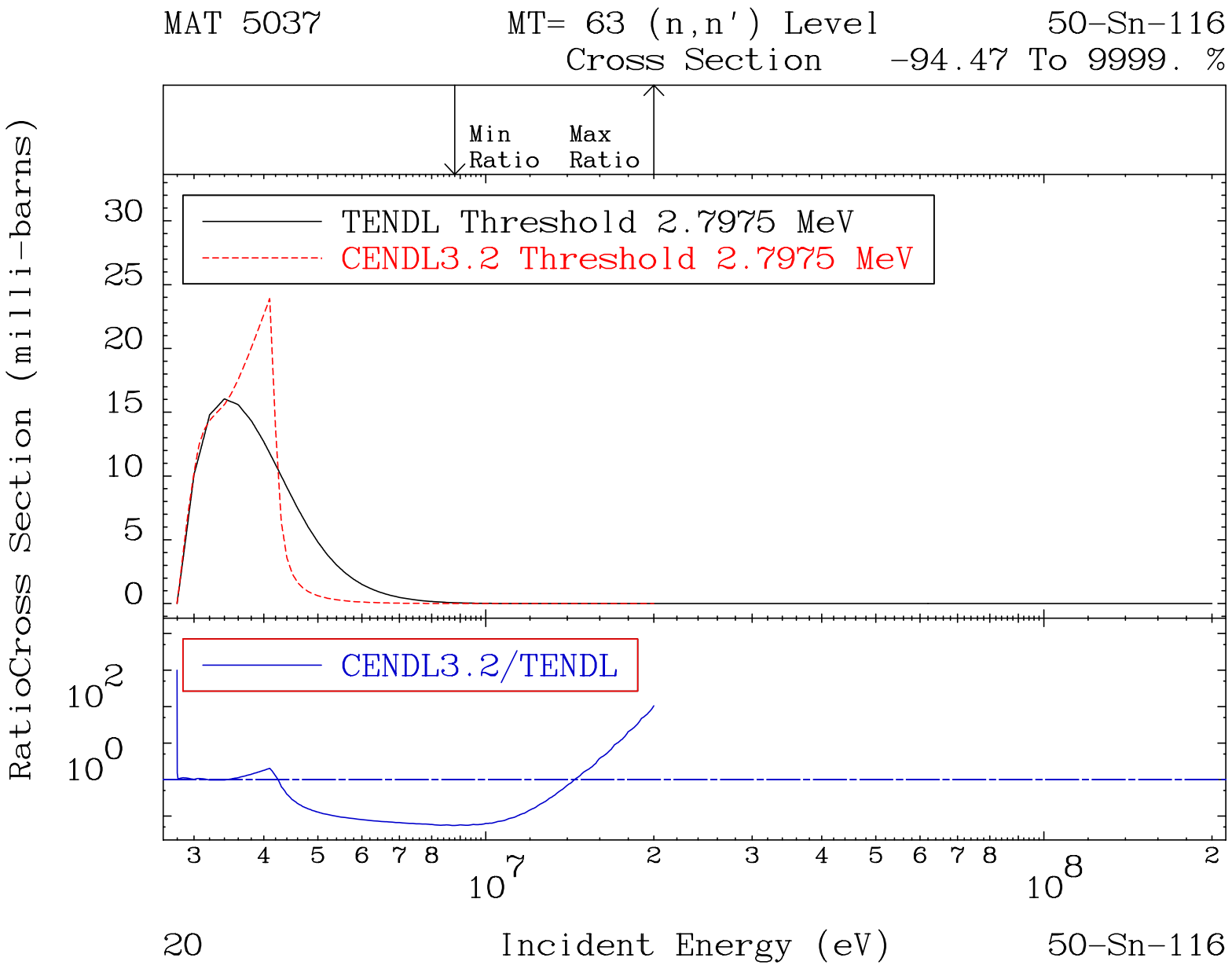

MAT 5037
MT= 58 (n,n') Level
50-Sn-116
Cross Section -100.0 To 83.13 %
Max
Ratio
TENDL Threshold 2.4117 MeV
CENDL3.2 Threshold 2.4117 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
50-Sn-116

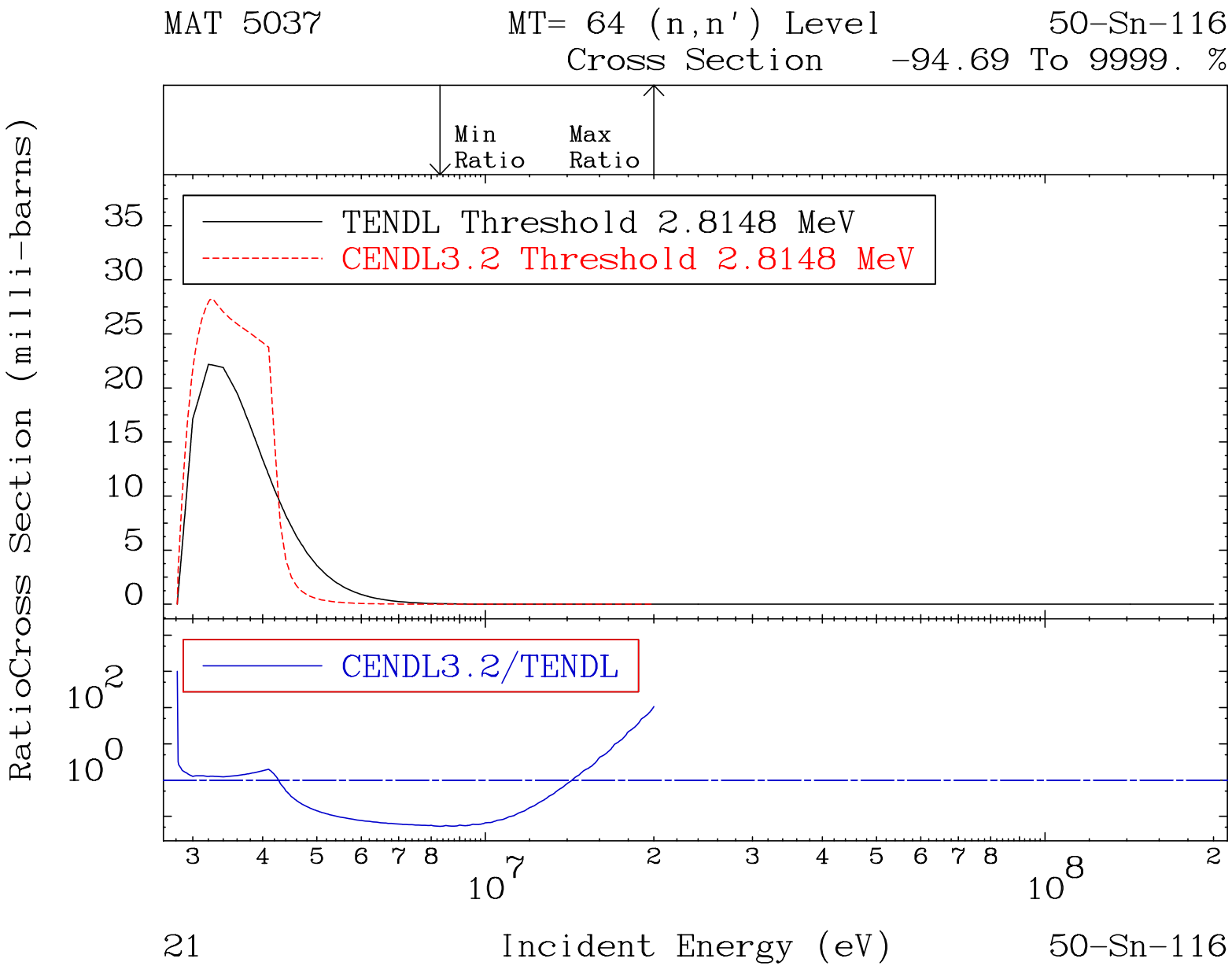

MAT 5037
MT= 59 (n,n') Level
50-Sn-116
Cross Section -99.95 To 99.61 %
Max Ratio
Min Ratio
TENDL Threshold 2.5512 MeV
CENDL3.2 Threshold 2.5512 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
10^0
10^-2
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
16
Incident Energy (eV)
50-Sn-116

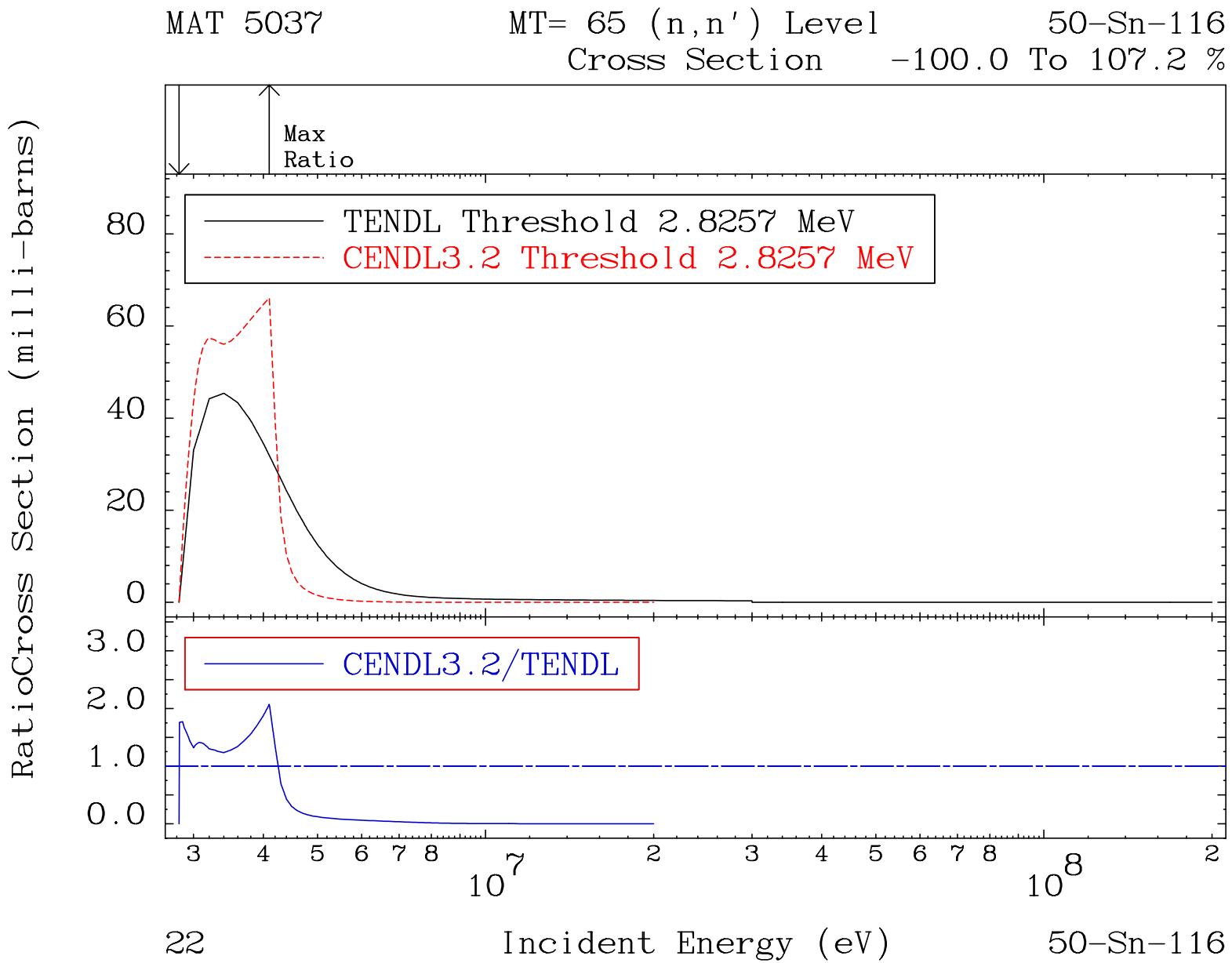

MAT 5037
MT= 60 (n,n') Level
50-Sn-116
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.5679 MeV
CENDL3.2 Threshold 2.5679 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
200
100
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
17
Incident Energy (eV)
50-Sn-116

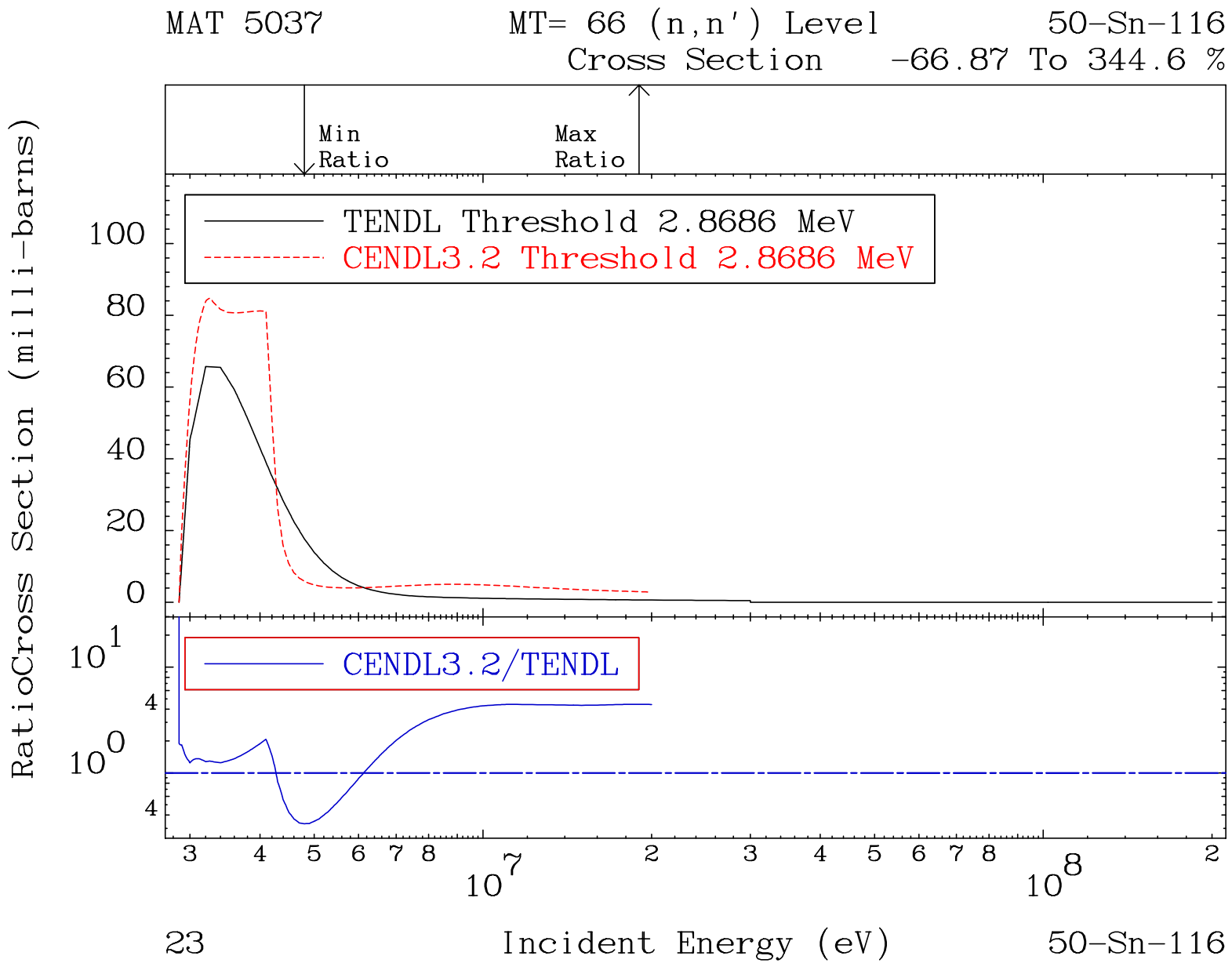

MAT 5037
MT= 61 (n,n') Level
50-Sn-116
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.6081 MeV
CENDL3.2 Threshold 2.6081 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
200
100
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
50-Sn-116

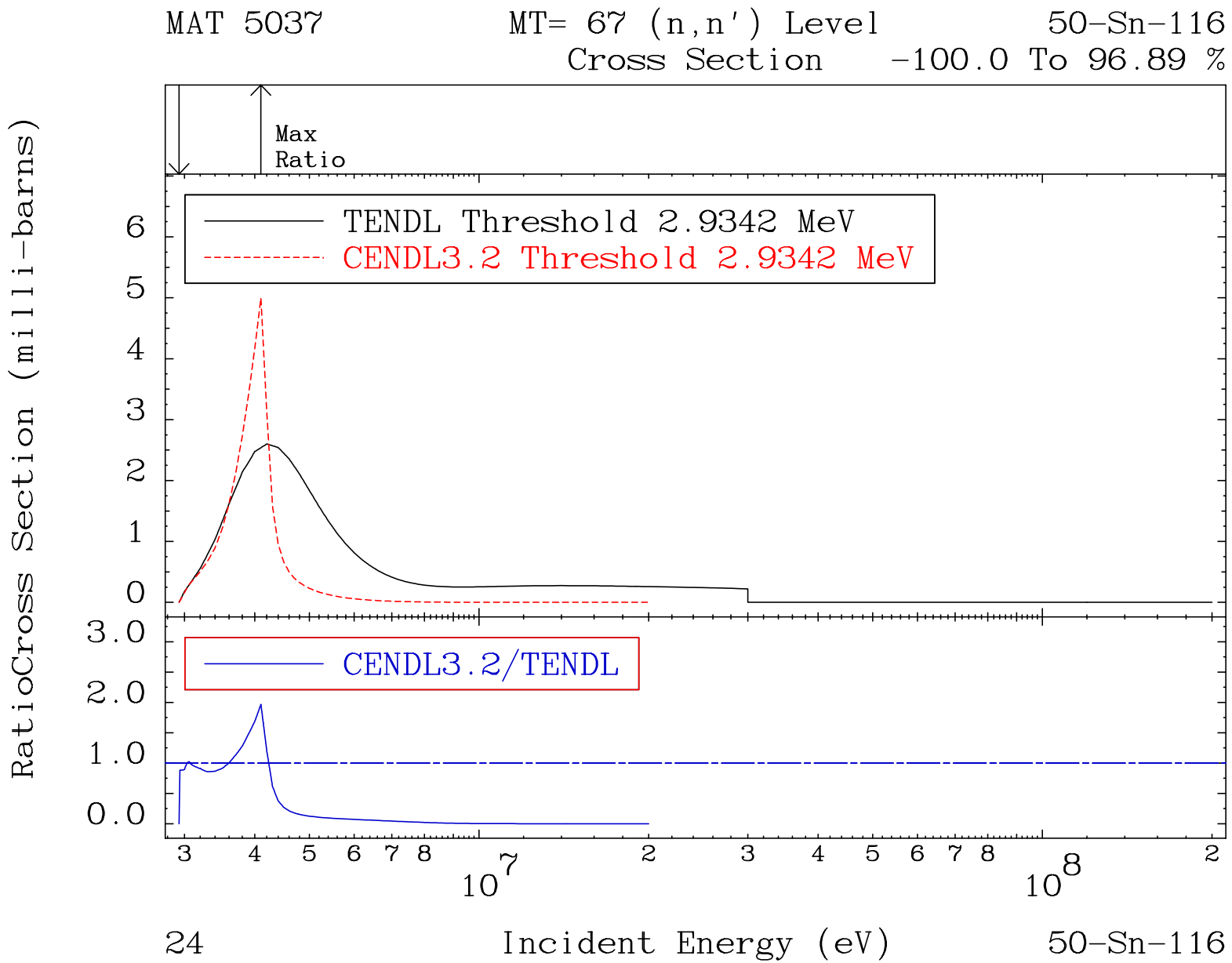

MAT 5037
MT= 62 (n,n') Level
50-Sn-116
Cross Section -66.85 To 347.9 %
Min Ratio
Max Ratio
TENDL Threshold 2.6735 MeV
CENDL3.2 Threshold 2.6735 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
19
50-Sn-116

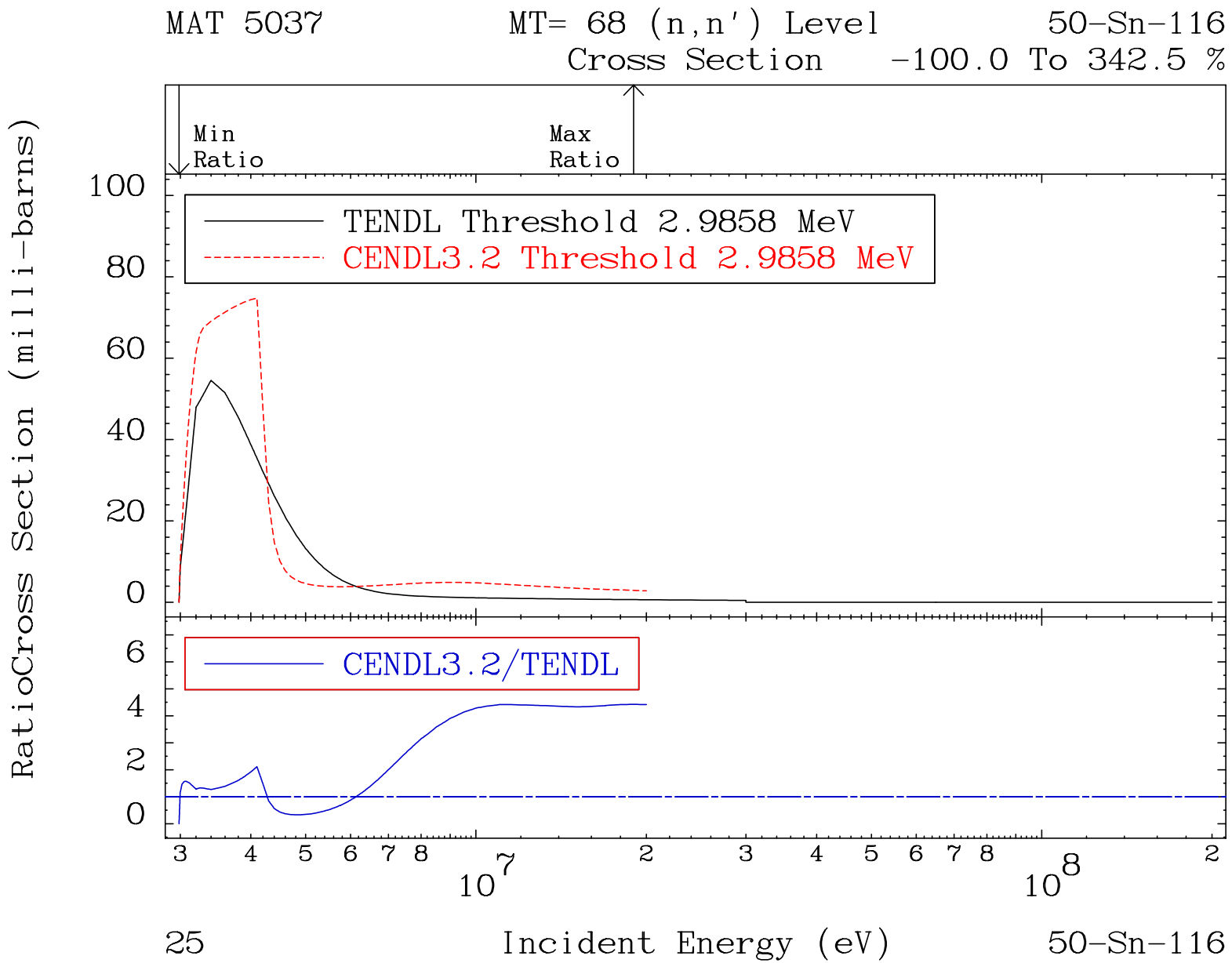

MAT 5037
MT= 63 (n,n') Level
50-Sn-116
Cross Section -94.47 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.7975 MeV
CENDL3.2 Threshold 2.7975 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
10^2
10^0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
20
50-Sn-116

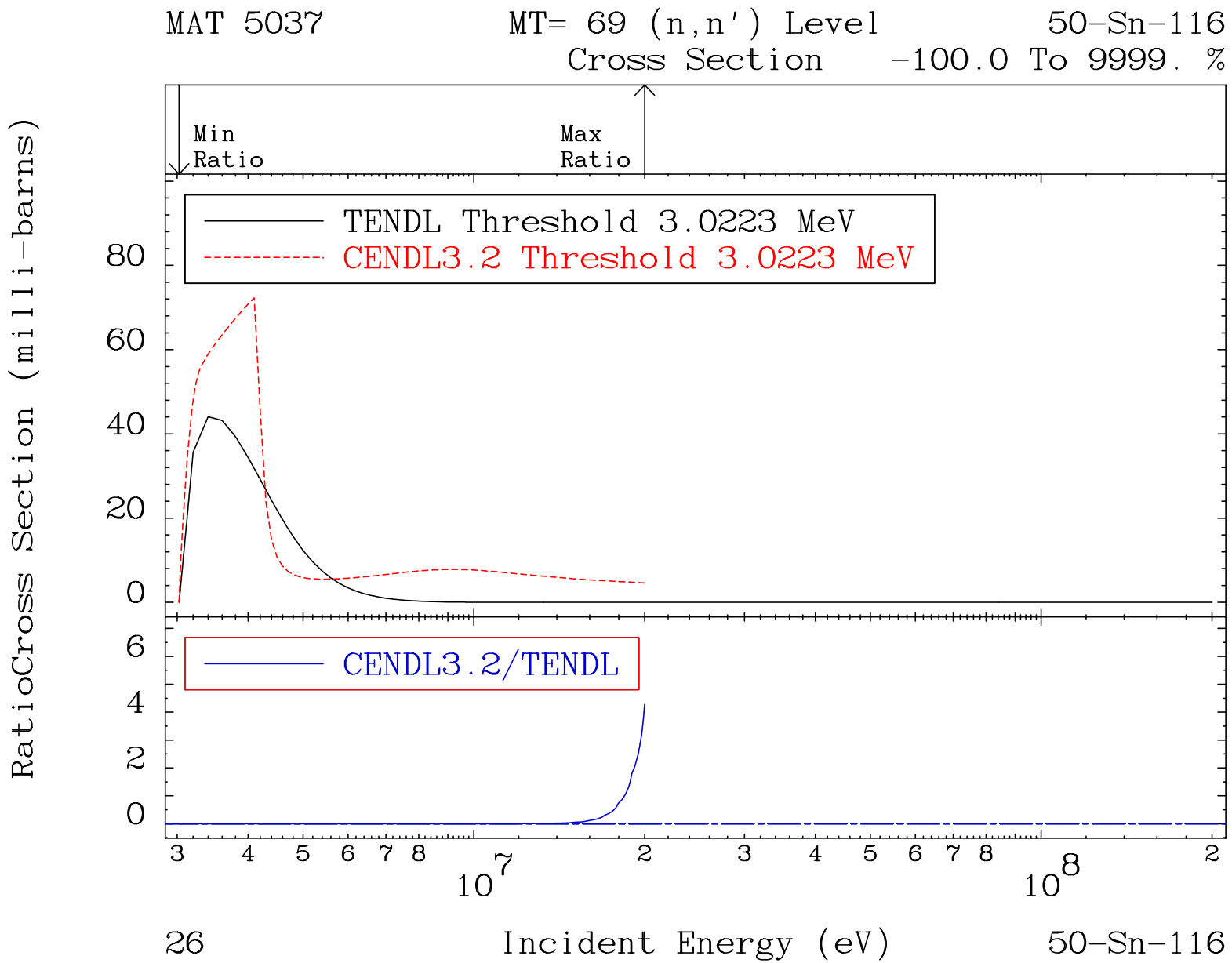

MAT 5037
MT= 64 (n,n') Level
50-Sn-116
Cross Section -94.69 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.8148 MeV
CENDL3.2 Threshold 2.8148 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
21
50-Sn-116

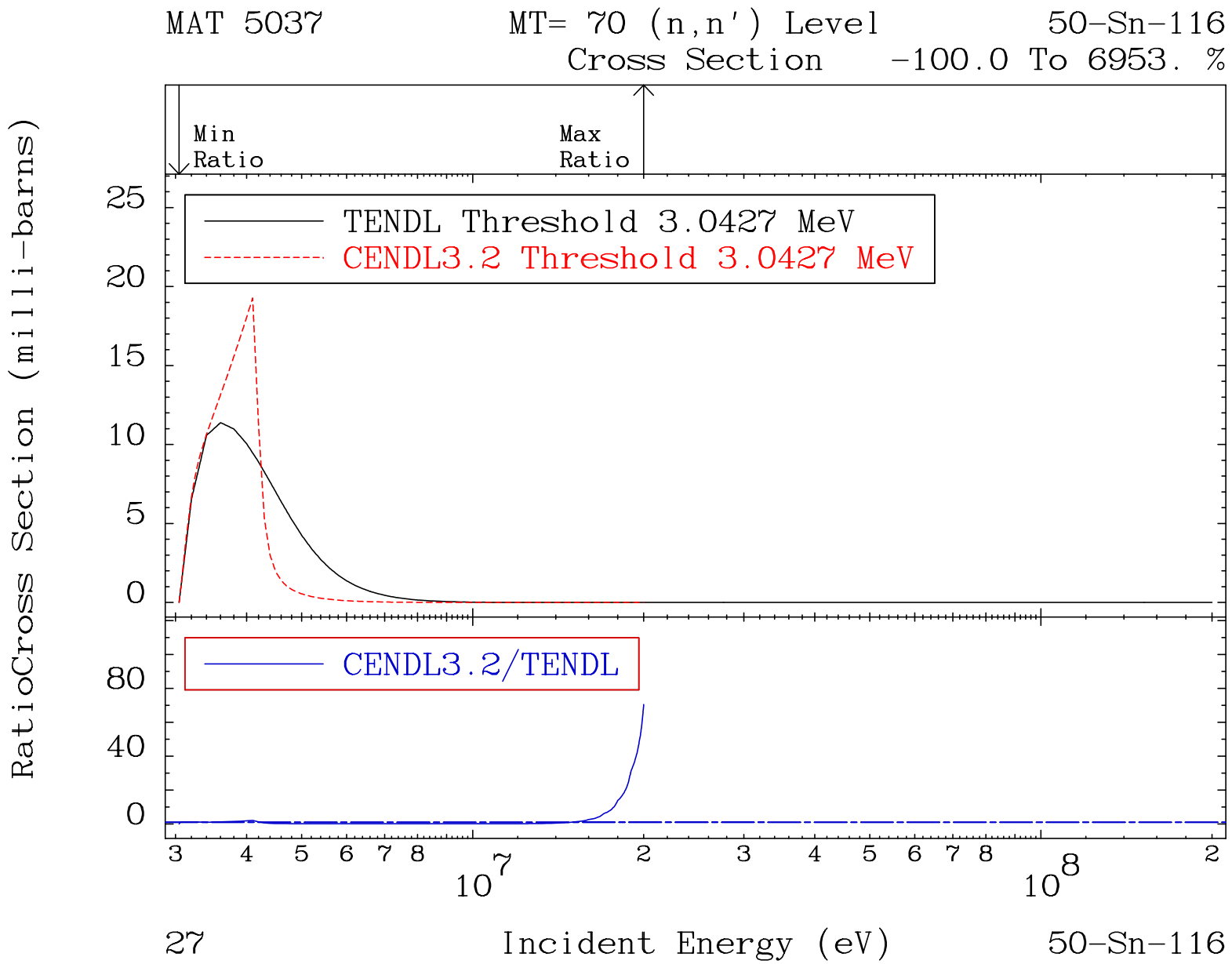

MAT 5037
MT= 65 (n,n') Level
50-Sn-116
Cross Section -100.0 To 107.2 %
Max
Ratio
TENDL Threshold 2.8257 MeV
CENDL3.2 Threshold 2.8257 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
50-Sn-116

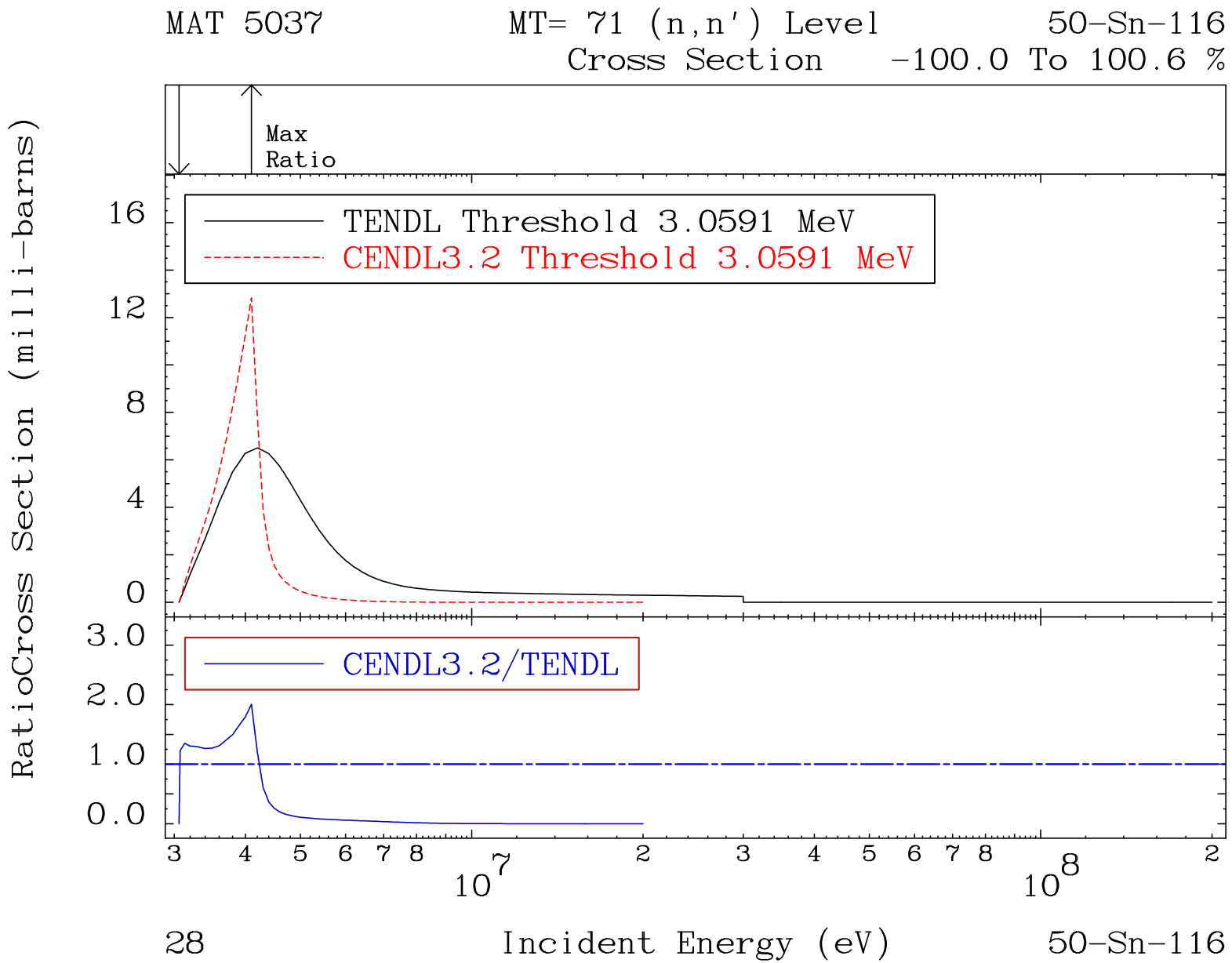

MAT 5037
MT= 66 (n,n') Level
50-Sn-116
Cross Section -66.87 To 344.6 %
Min Ratio
Max Ratio
TENDL Threshold 2.8686 MeV
CENDL3.2 Threshold 2.8686 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
23
50-Sn-116

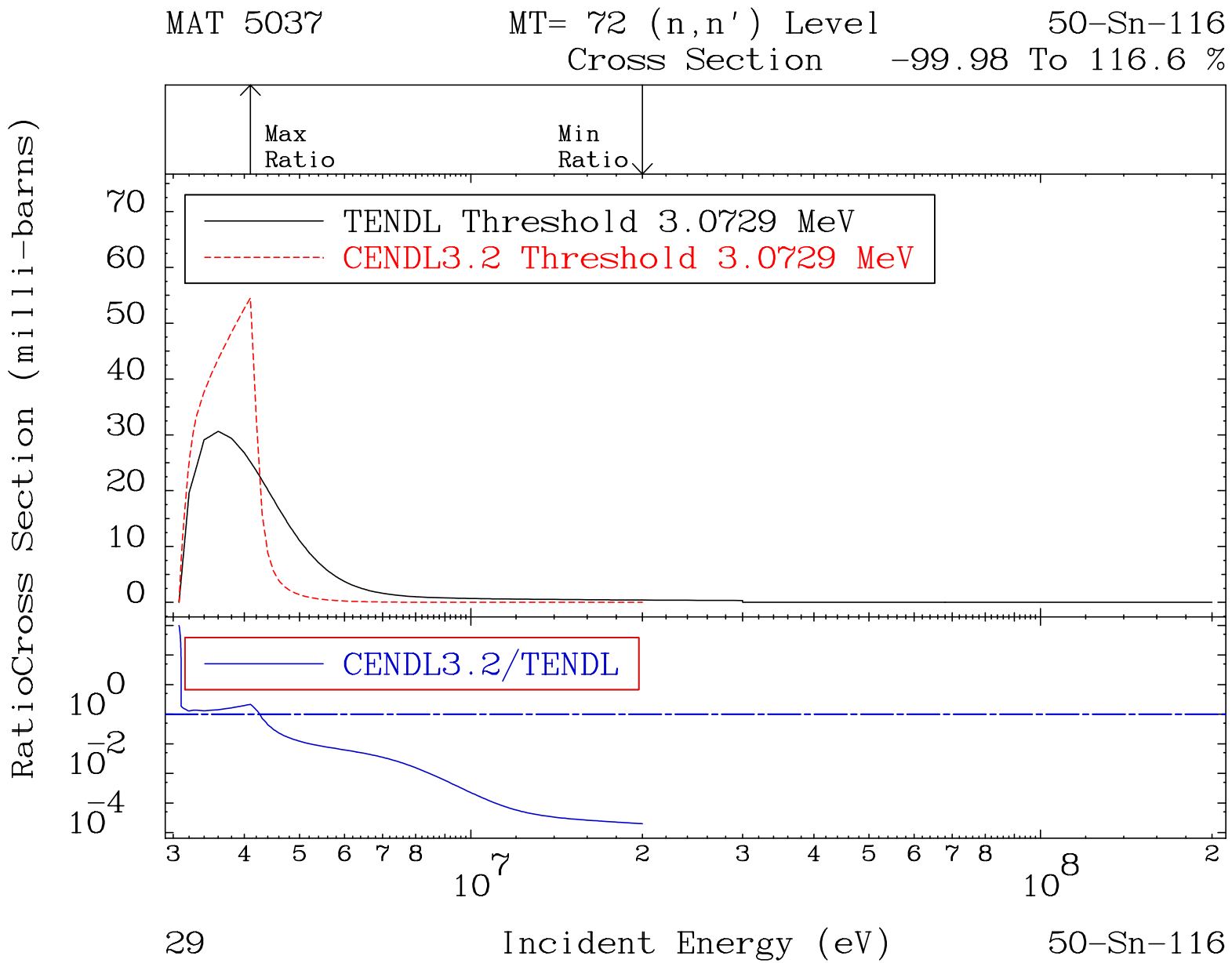

MAT 5037
MT= 67 (n,n') Level
50-Sn-116
Cross Section -100.0 To 96.89 %
Max
Ratio
TENDL Threshold 2.9342 MeV
CENDL3.2 Threshold 2.9342 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
24
50-Sn-116

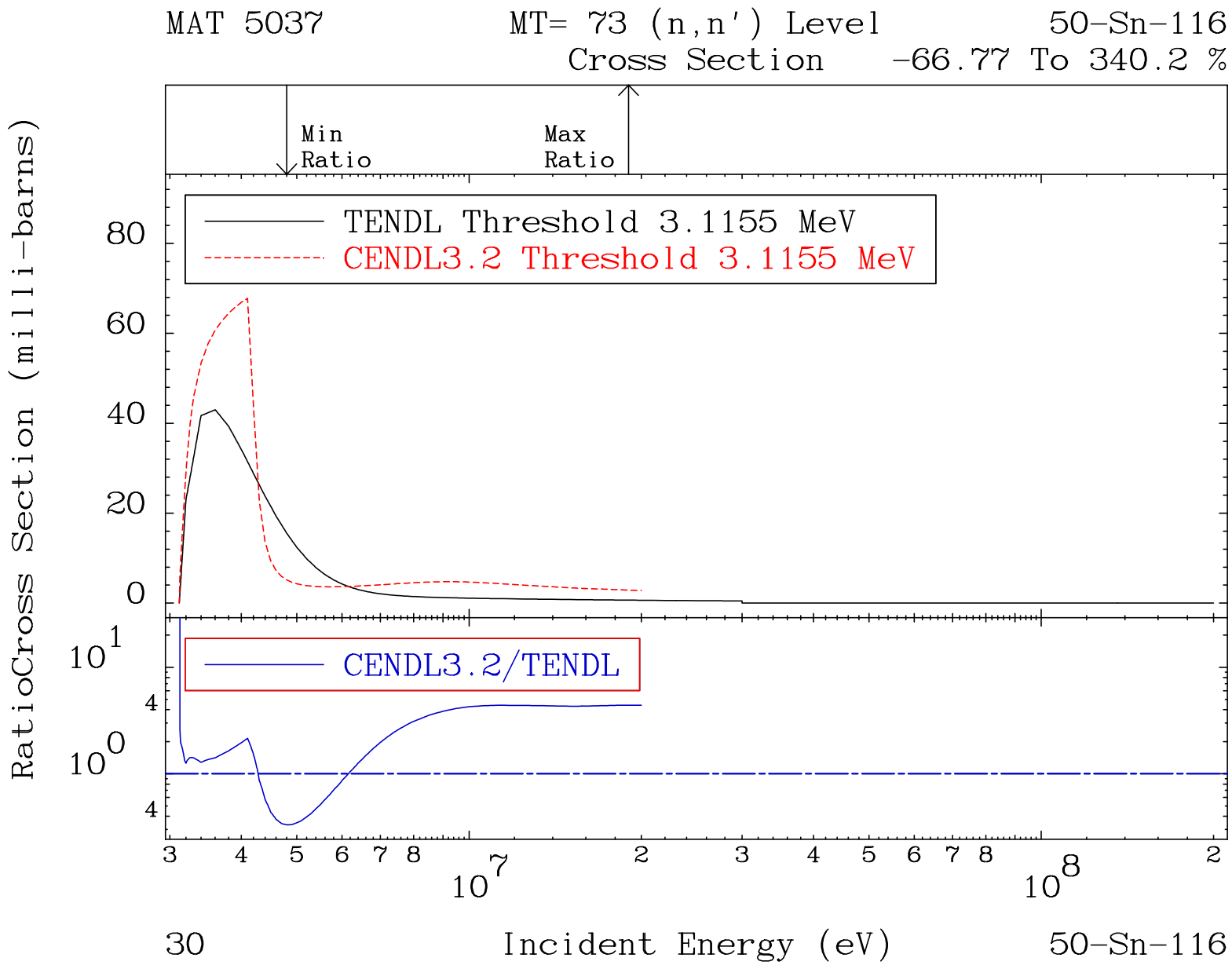

MAT 5037
MT= 68 (n,n') Level
50-Sn-116
Cross Section
-100.0 To 342.5 %
Min Ratio
Max Ratio
TENDL Threshold 2.9858 MeV
CENDL3.2 Threshold 2.9858 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
6
4
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
25
Incident Energy (eV)
50-Sn-116

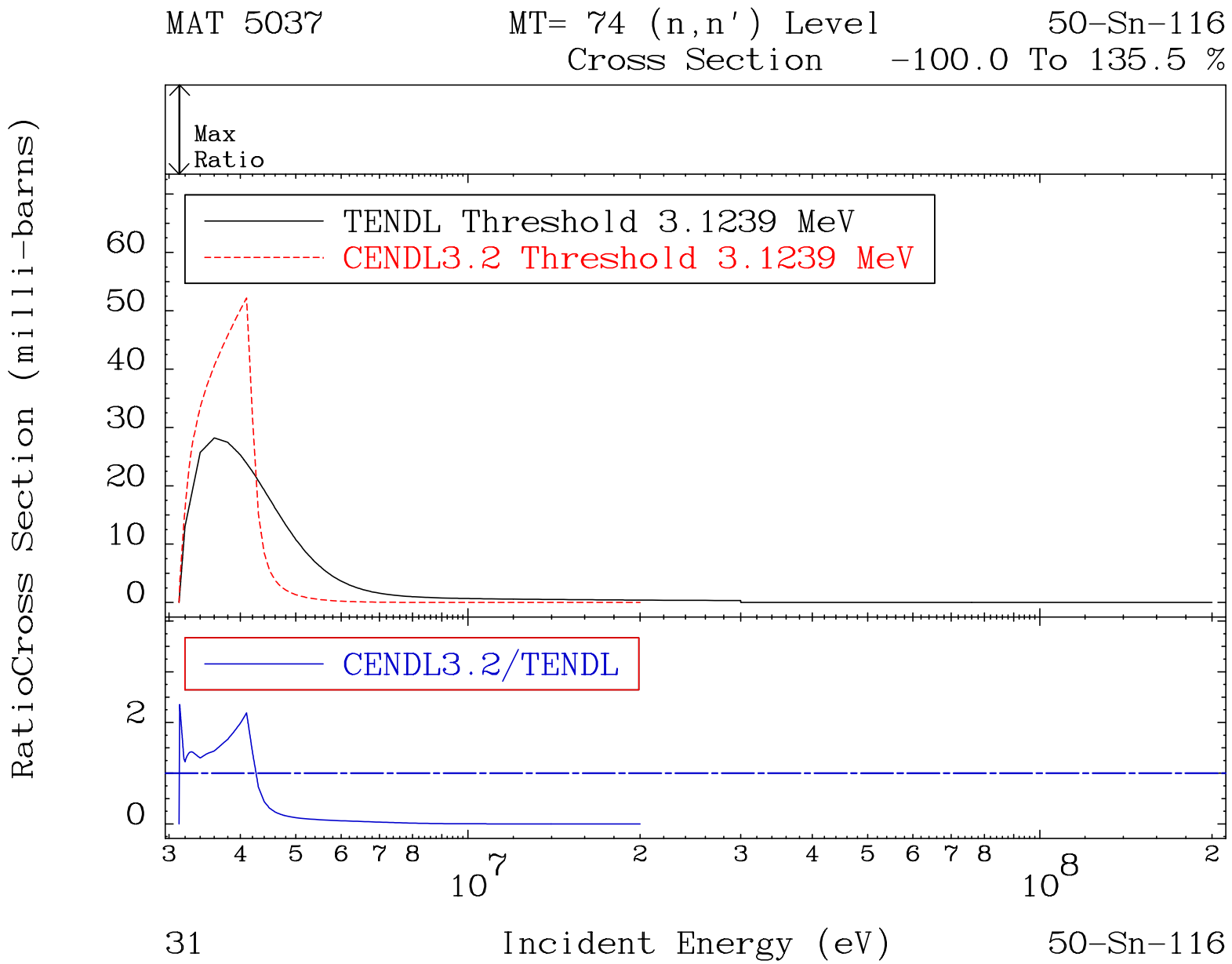

MAT 5037
MT= 69 (n,n') Level
50-Sn-116
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.0223 MeV
CENDL3.2 Threshold 3.0223 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
6
4
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
50-Sn-116

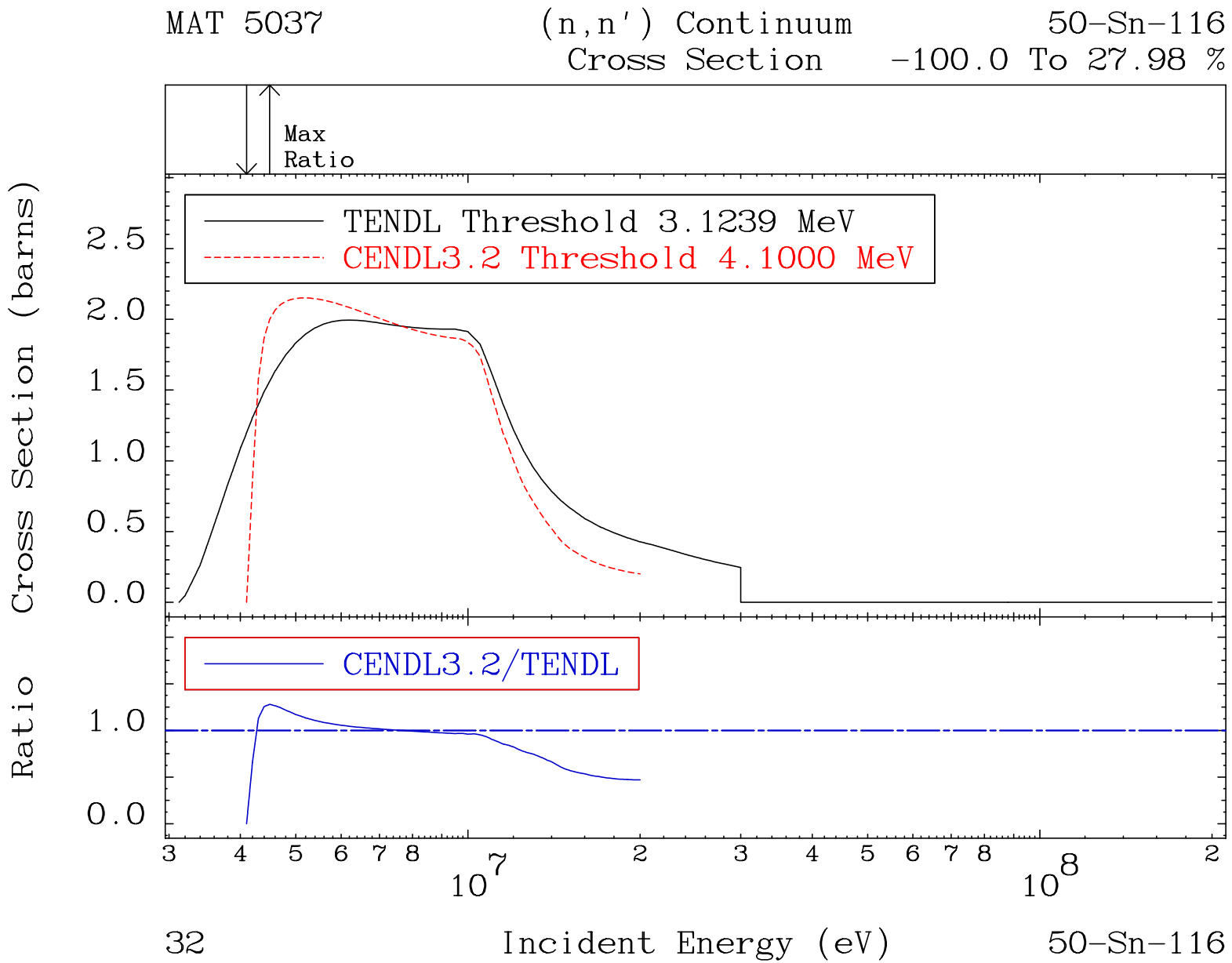

MAT 5037
MT= 70 (n,n') Level
50-Sn-116
Cross Section -100.0 To 6953. %
Min Ratio
Max Ratio
TENDL Threshold 3.0427 MeV
CENDL3.2 Threshold 3.0427 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
27
50-Sn-116

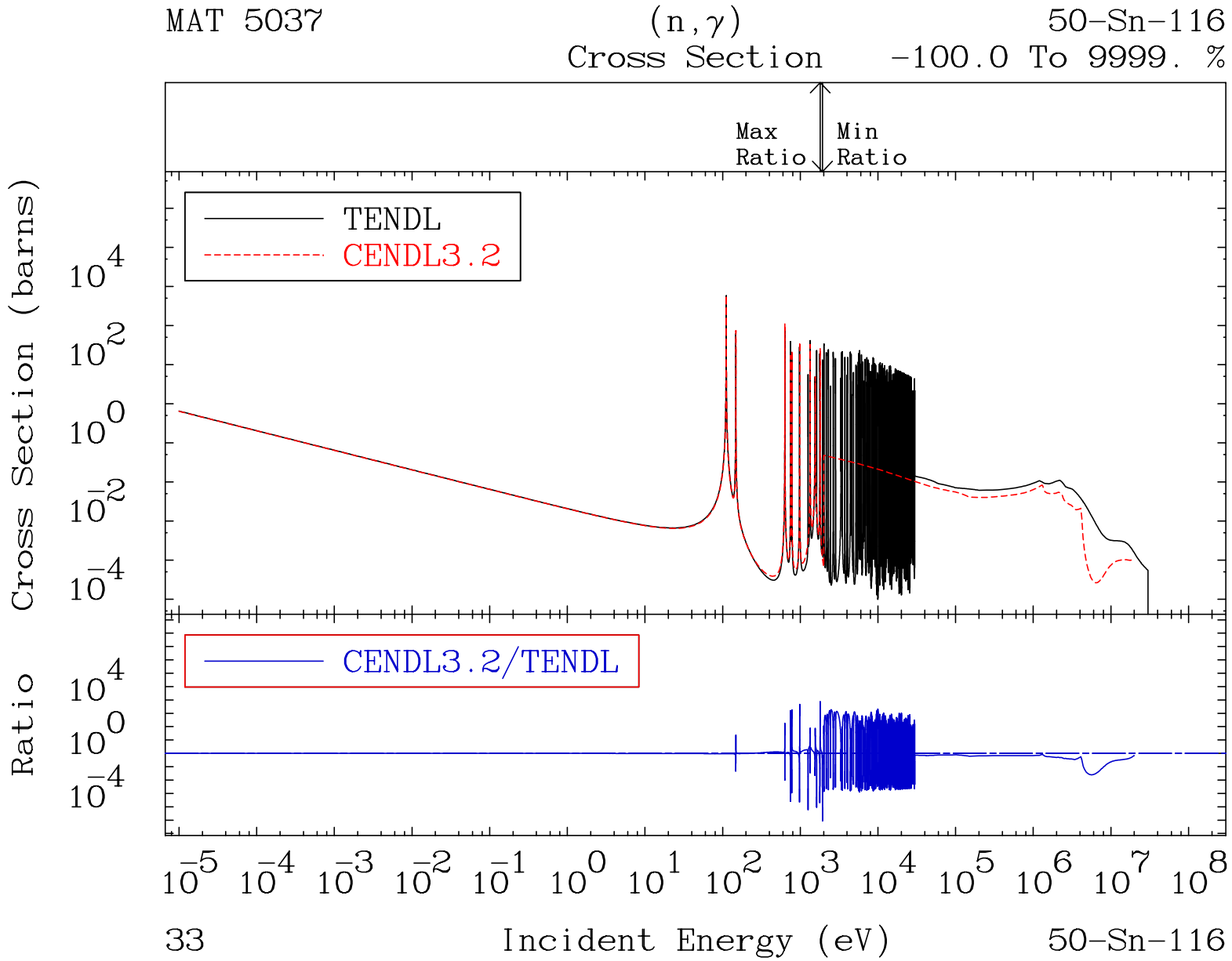

MAT 5037
MT= 71 (n,n') Level
50-Sn-116
Cross Section -100.0 To 100.6 %
Max
Ratio
TENDL Threshold 3.0591 MeV
CENDL3.2 Threshold 3.0591 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
50-Sn-116

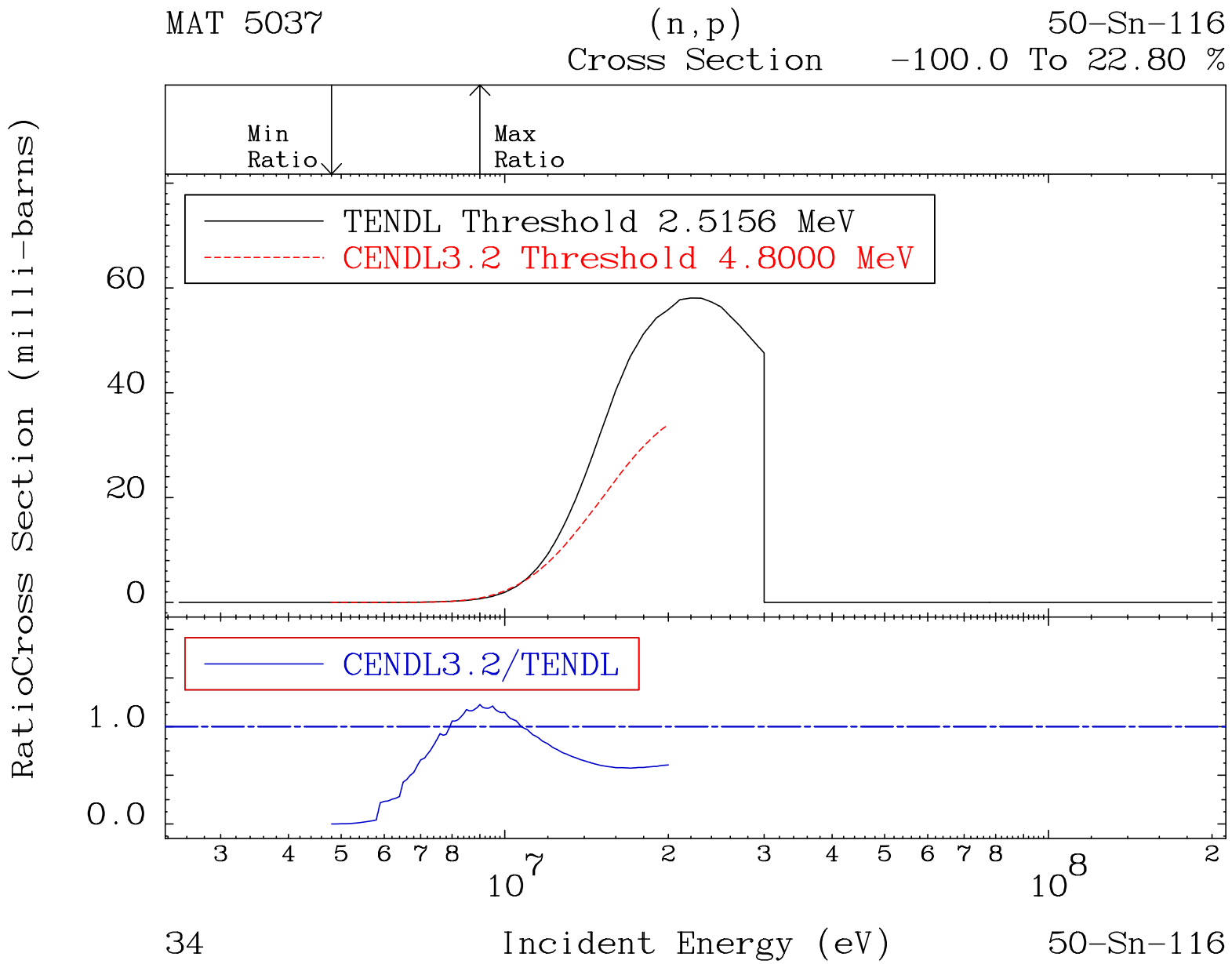

MAT 5037
MT= 72 (n,n') Level
50-Sn-116
Cross Section -99.98 To 116.6 %
Max Ratio
Min Ratio
TENDL Threshold 3.0729 MeV
CENDL3.2 Threshold 3.0729 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
29
50-Sn-116

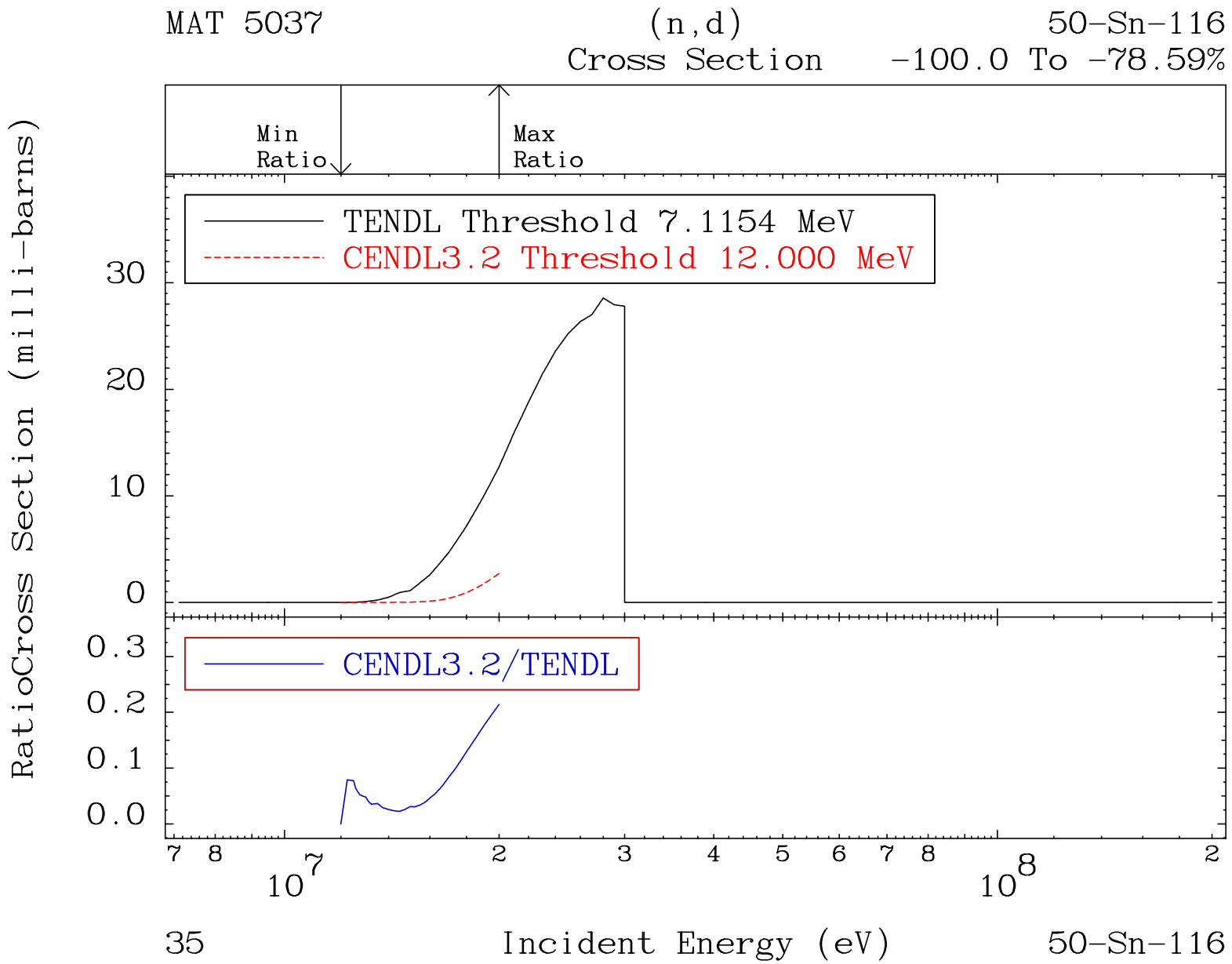

MAT 5037
MT= 73 (n,n') Level
50-Sn-116
Cross Section -66.77 To 340.2 %
Min Ratio
Max Ratio
TENDL Threshold 3.1155 MeV
CENDL3.2 Threshold 3.1155 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
10^1
10^0
4
4
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
50-Sn-116

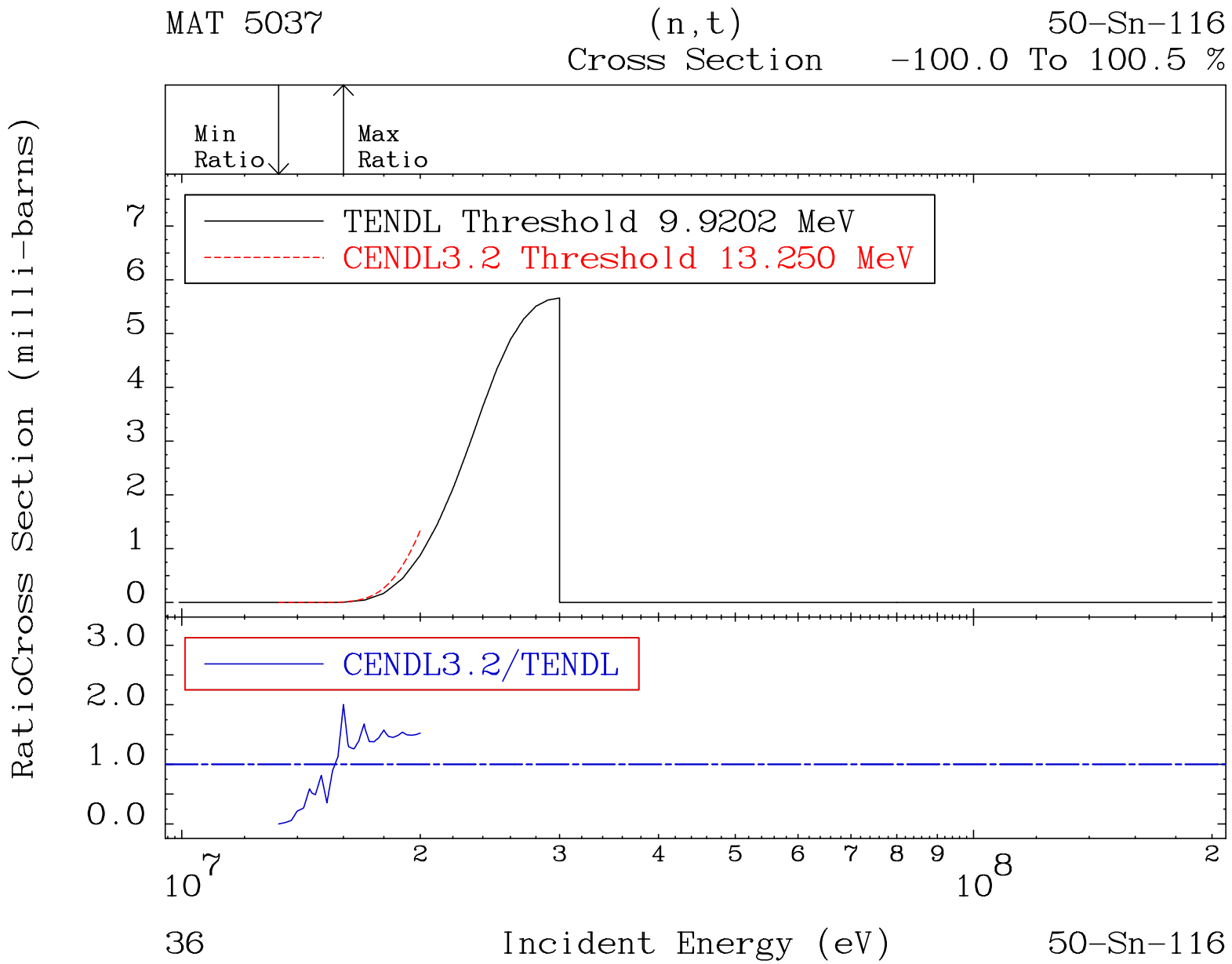

MAT 5037
MT= 74 (n,n') Level
50-Sn-116
Cross Section
-100.0 To 135.5 %
Max
Ratio
TENDL Threshold 3.1239 MeV
CENDL3.2 Threshold 3.1239 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
31
Incident Energy (eV)
50-Sn-116

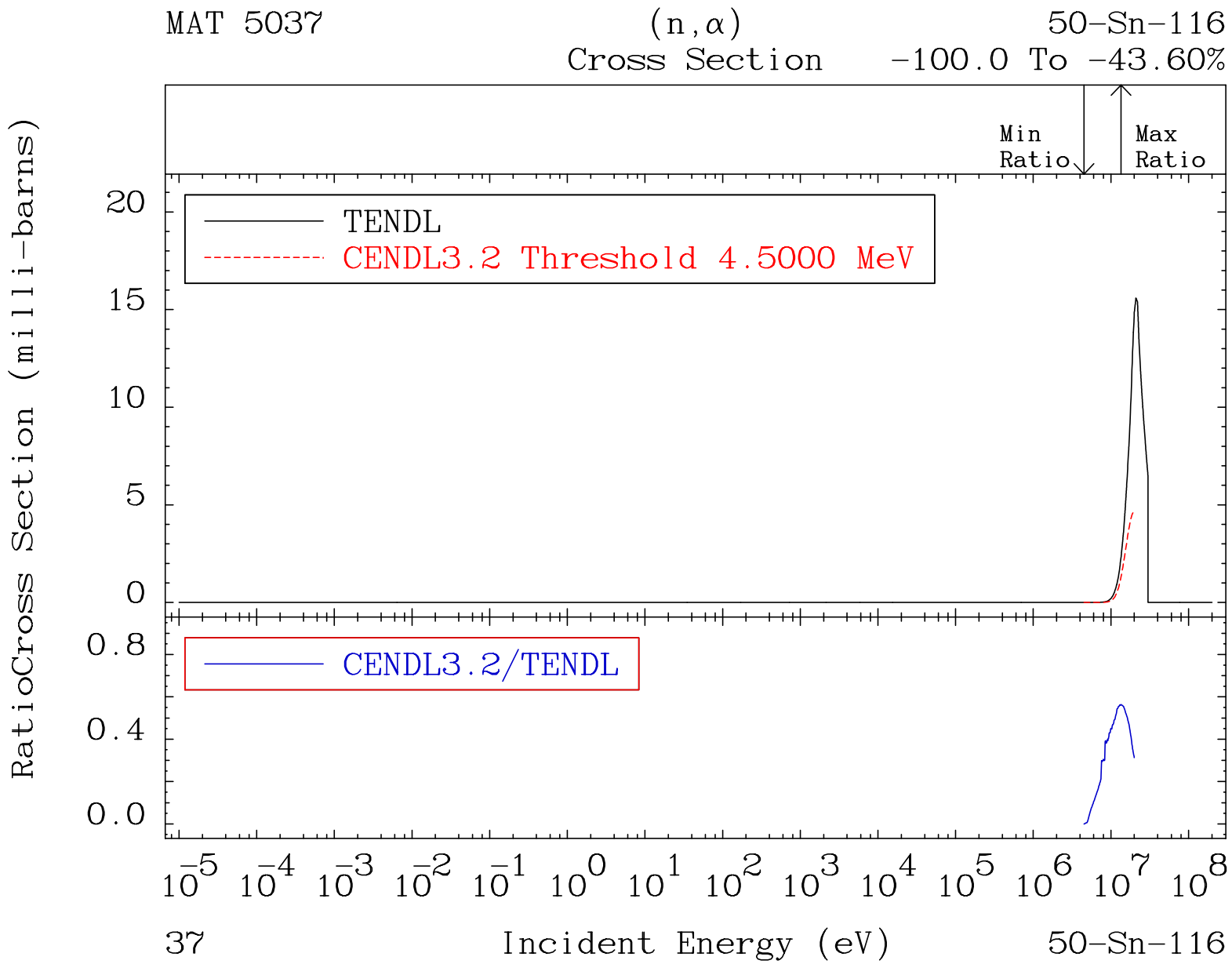

MAT 5037
(n,n') Continuum
Cross Section
50-Sn-116
-100.0 To 27.98 %
Max
Ratio
TENDL Threshold 3.1239 MeV
CENDL3.2 Threshold 4.1000 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
32
Incident Energy (eV)
50-Sn-116

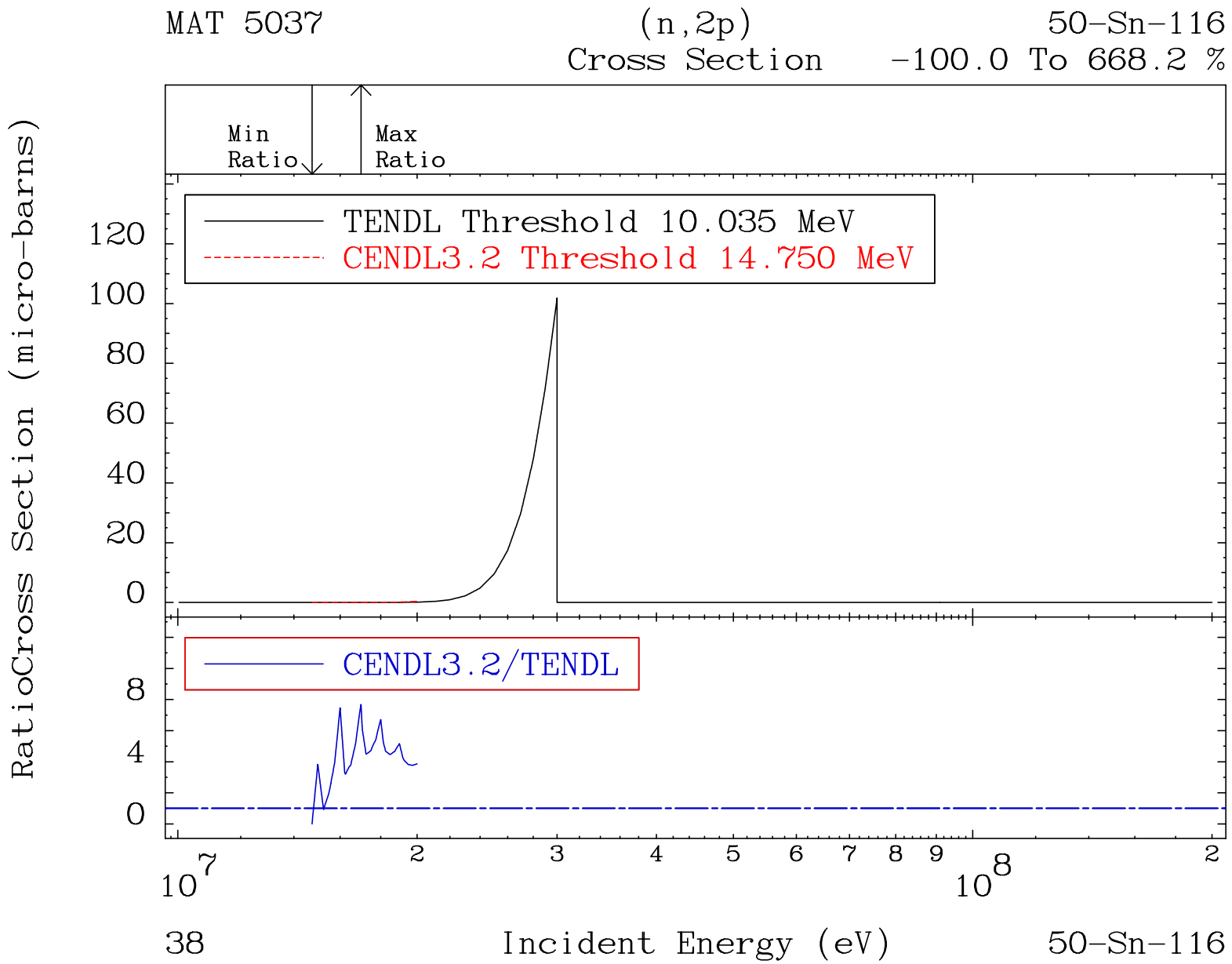

MAT 5037
(n,γ)
Cross Section
50-Sn-116
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
33
50-Sn-116

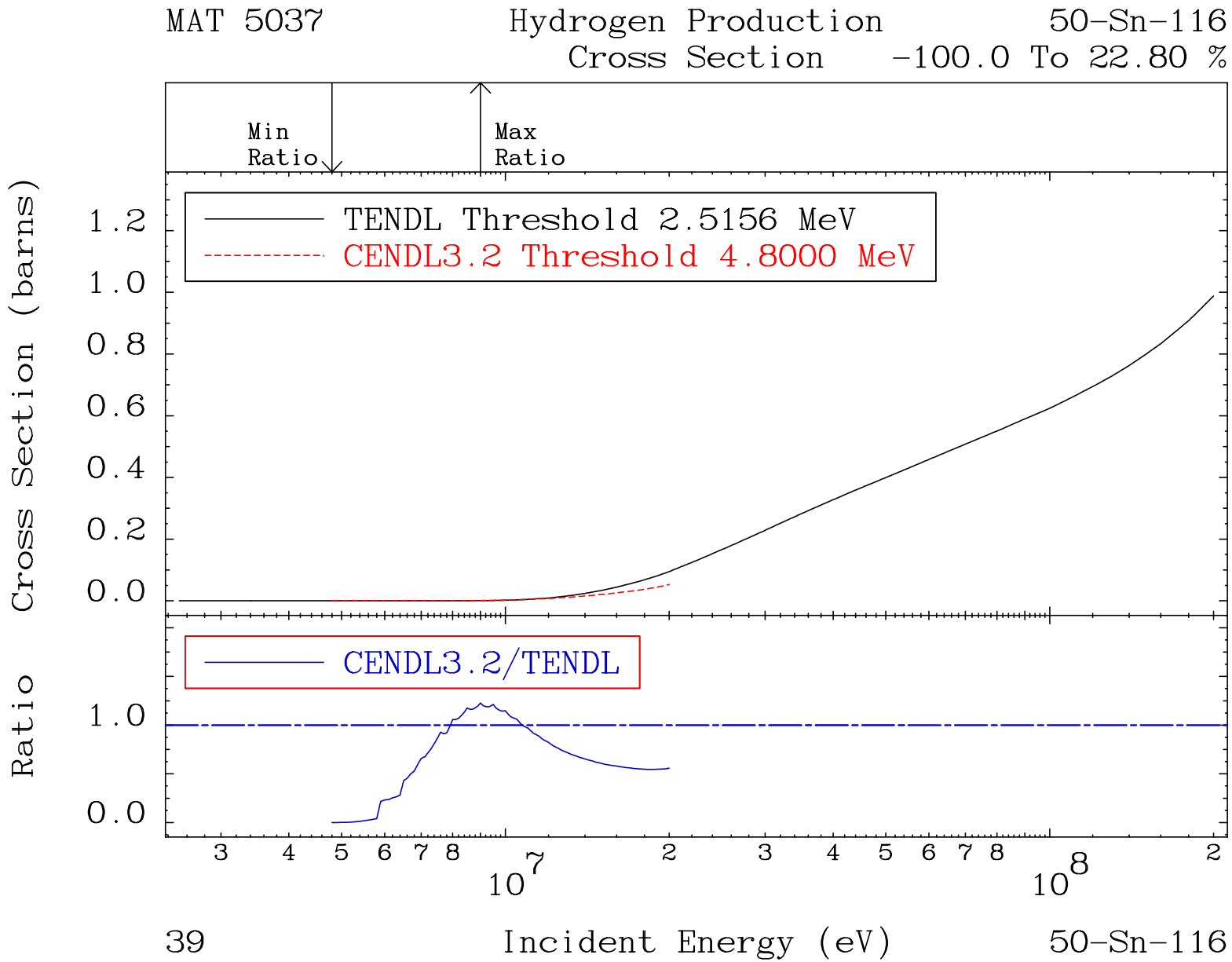

MAT 5037
(n,p)
50-Sn-116
Cross Section
-100.0 To 22.80 %
Min Ratio
Max Ratio
TENDL Threshold 2.5156 MeV
CENDL3.2 Threshold 4.8000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
60
40
20
0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
50-Sn-116

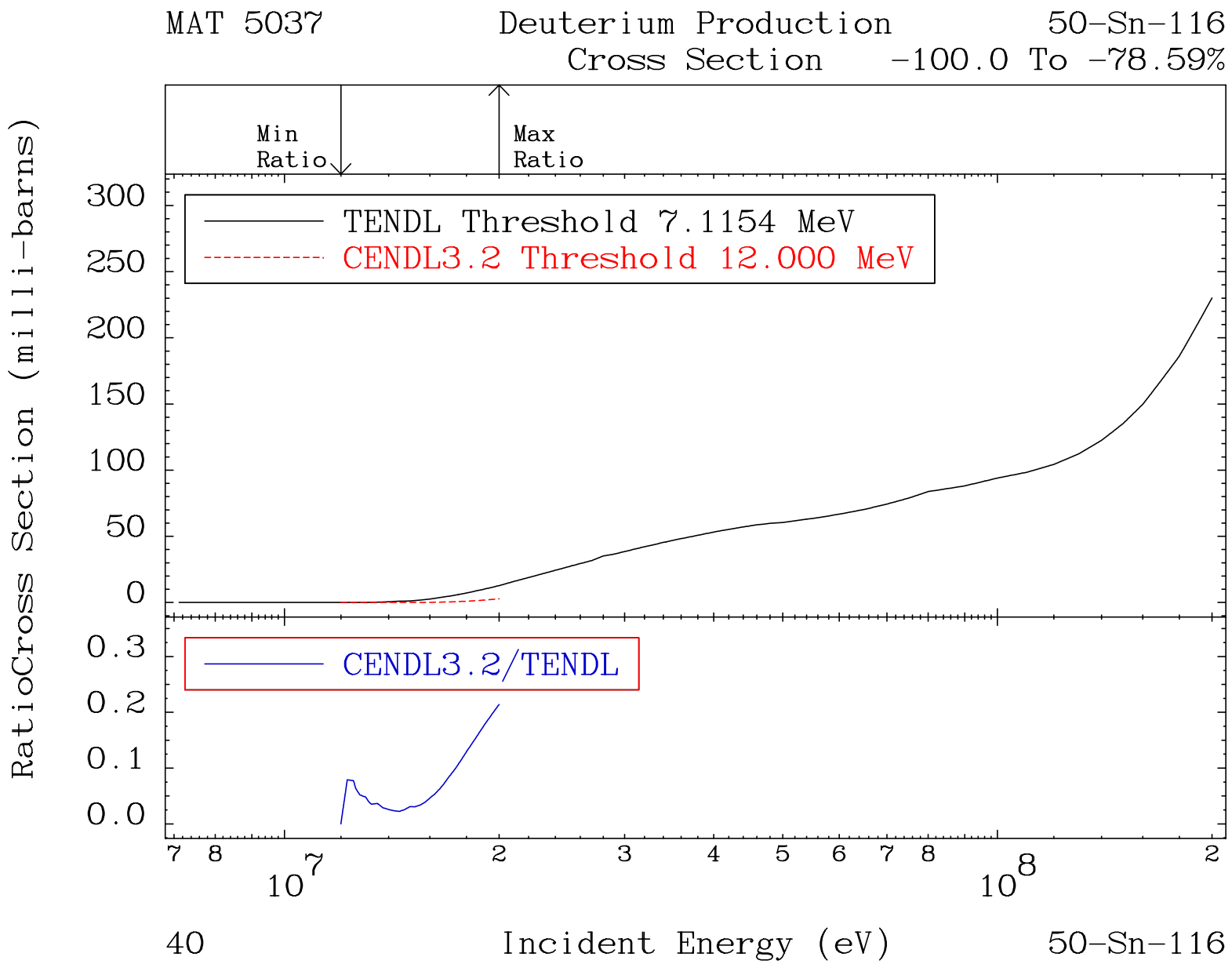

MAT 5037
(n,d)
Cross Section
50-Sn-116
-100.0 To -78.59%
Min Ratio
Max Ratio
TENDL Threshold 7.1154 MeV
CENDL3.2 Threshold 12.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
30
20
10
0
0.3
0.2
0.1
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
35
Incident Energy (eV)
50-Sn-116

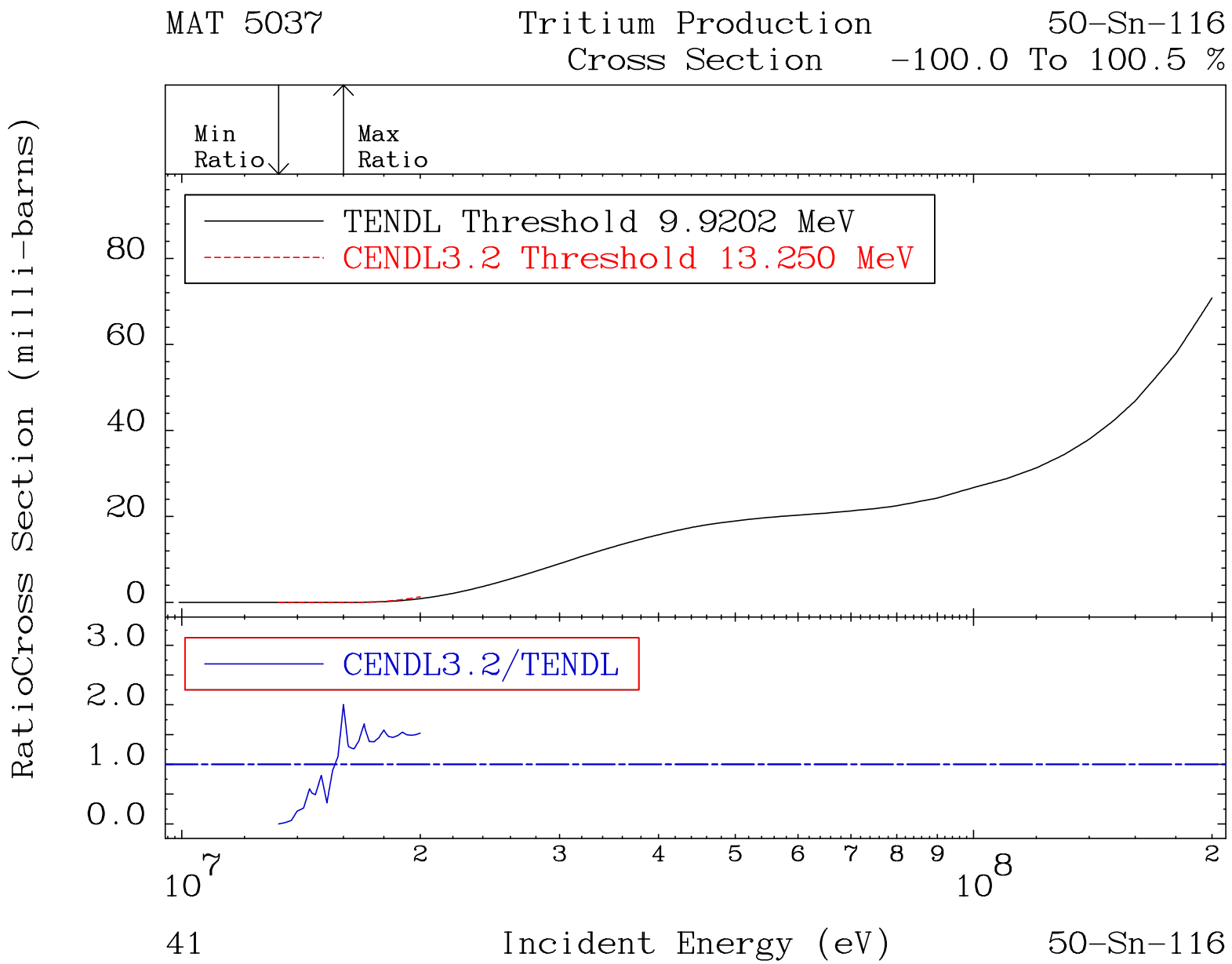

MAT 5037
(n,t)
Cross Section
50-Sn-116
-100.0 To 100.5 %
Min Ratio
Max Ratio
TENDL Threshold 9.9202 MeV
CENDL3.2 Threshold 13.250 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
36
50-Sn-116

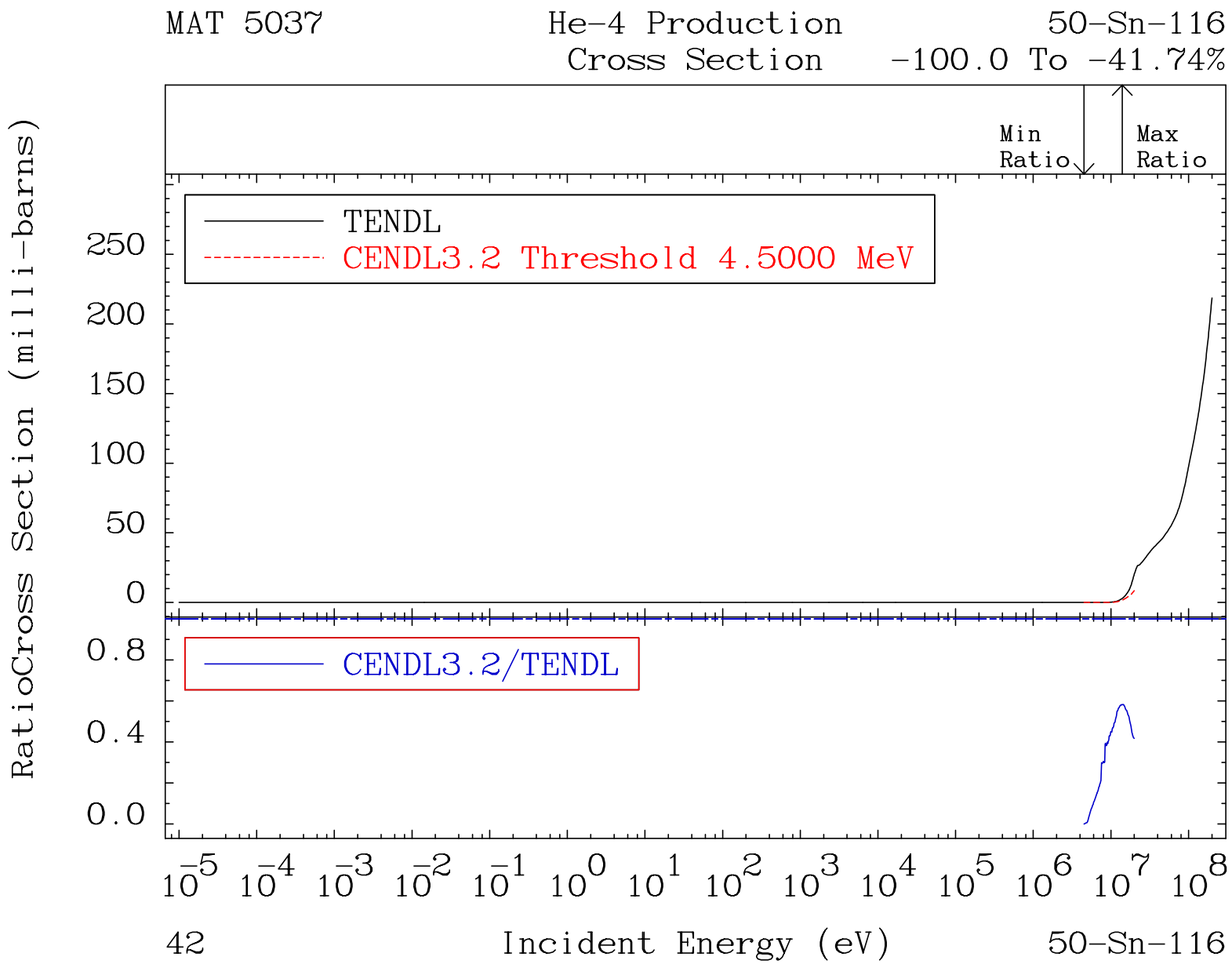

MAT 5037
(n,α)
Cross Section
50-Sn-116
-100.0 To -43.60%
Min Ratio
Max Ratio
TENDL
CENDL3.2 Threshold 4.5000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
0.8
0.4
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
37
Incident Energy (eV)
50-Sn-116

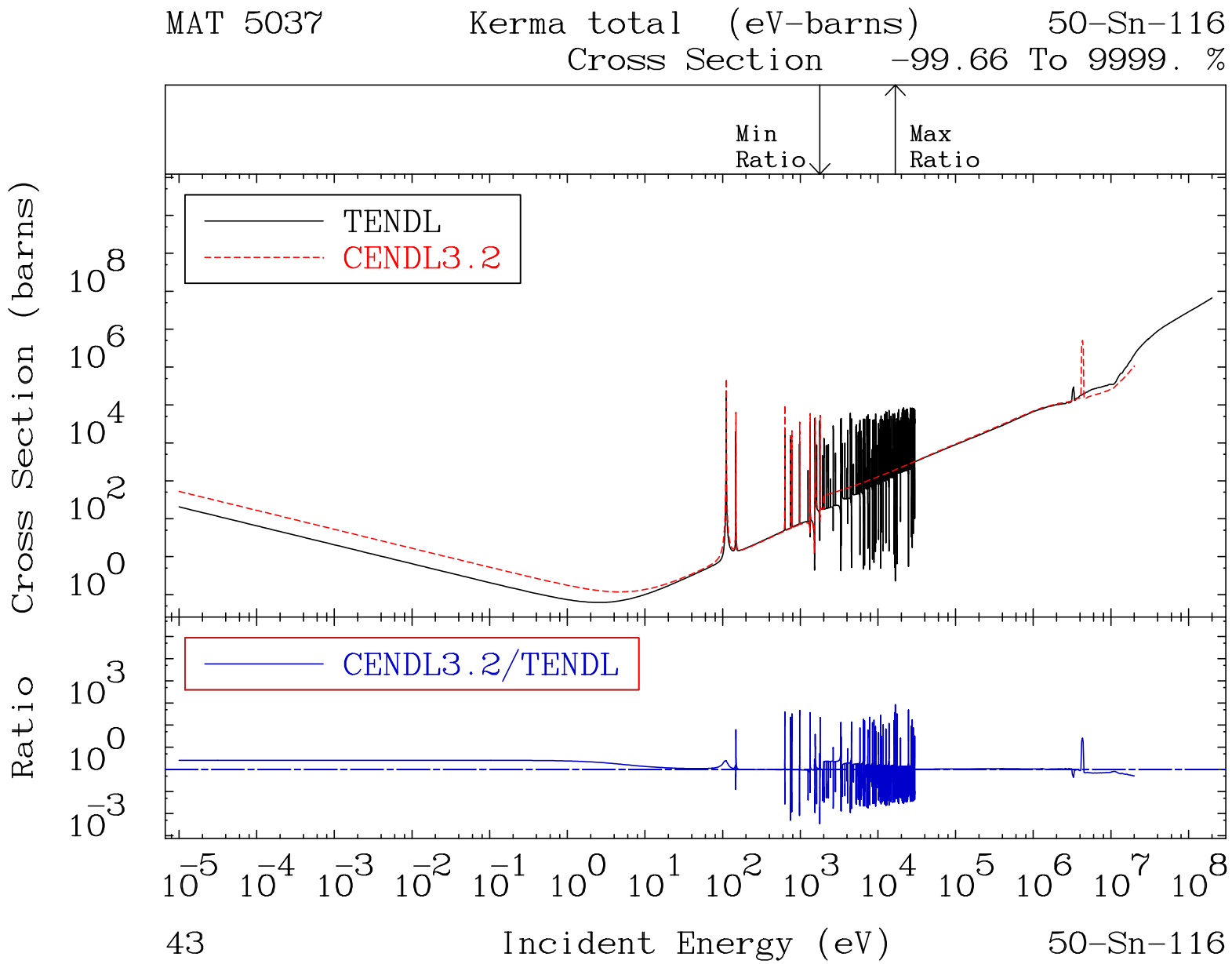

MAT 5037
(n,2p)
50-Sn-116
Cross Section
-100.0 To 668.2 %
Min Ratio
Max Ratio
TENDL Threshold 10.035 MeV
CENDL3.2 Threshold 14.750 MeV
CENDL3.2/TENDL
RatioCross Section (micro-barns)
120
100
80
60
40
20
0
8
4
0
10^7
2
3
4
5
6
7
8
9
10^8
2
38
Incident Energy (eV)
50-Sn-116

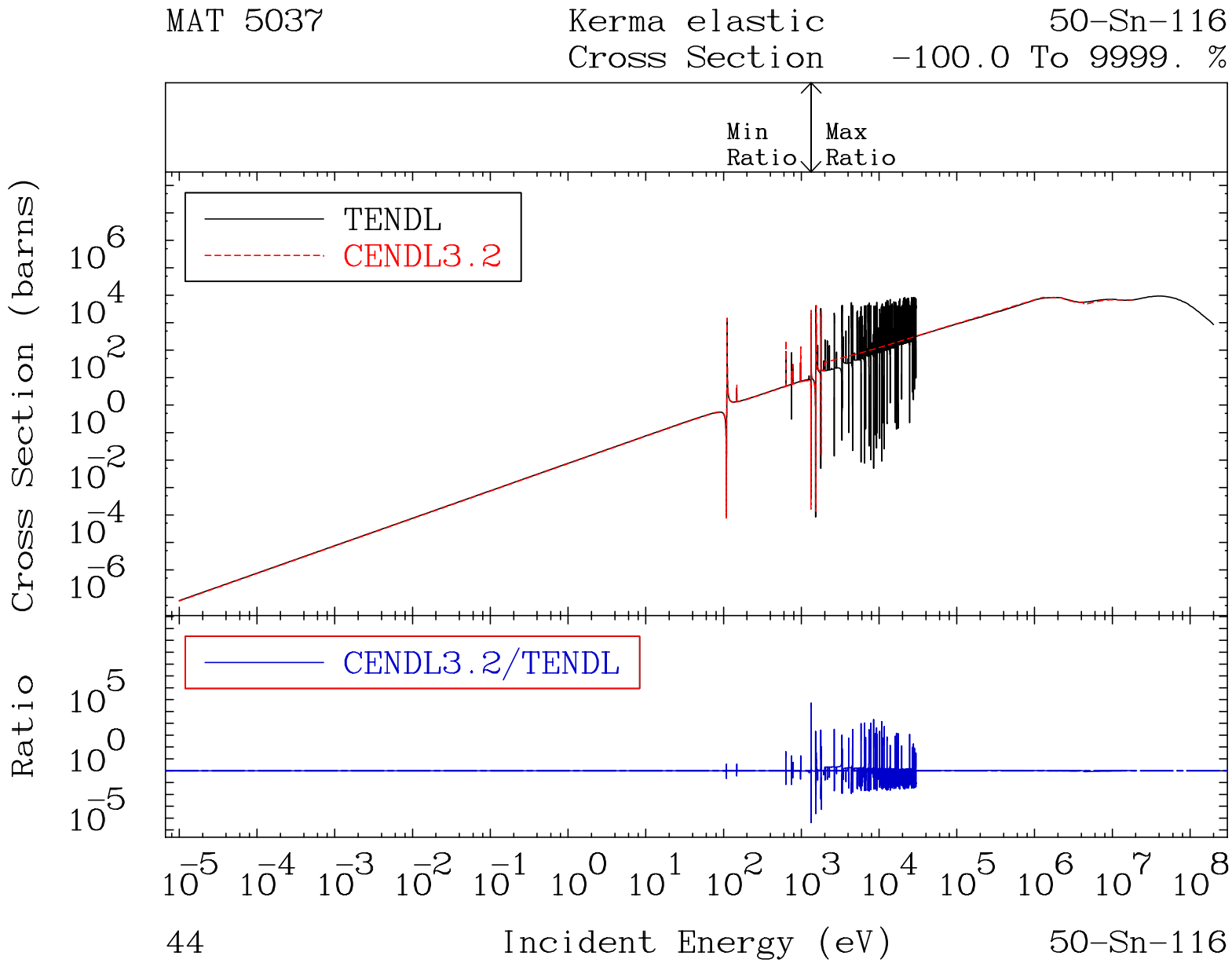

MAT 5037
Hydrogen Production
50-Sn-116
Cross Section
-100.0 To 22.80 %
Min Ratio
Max Ratio
TENDL Threshold 2.5156 MeV
CENDL3.2 Threshold 4.8000 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
CENDL3.2/TENDL
Ratio
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
39
Incident Energy (eV)
50-Sn-116

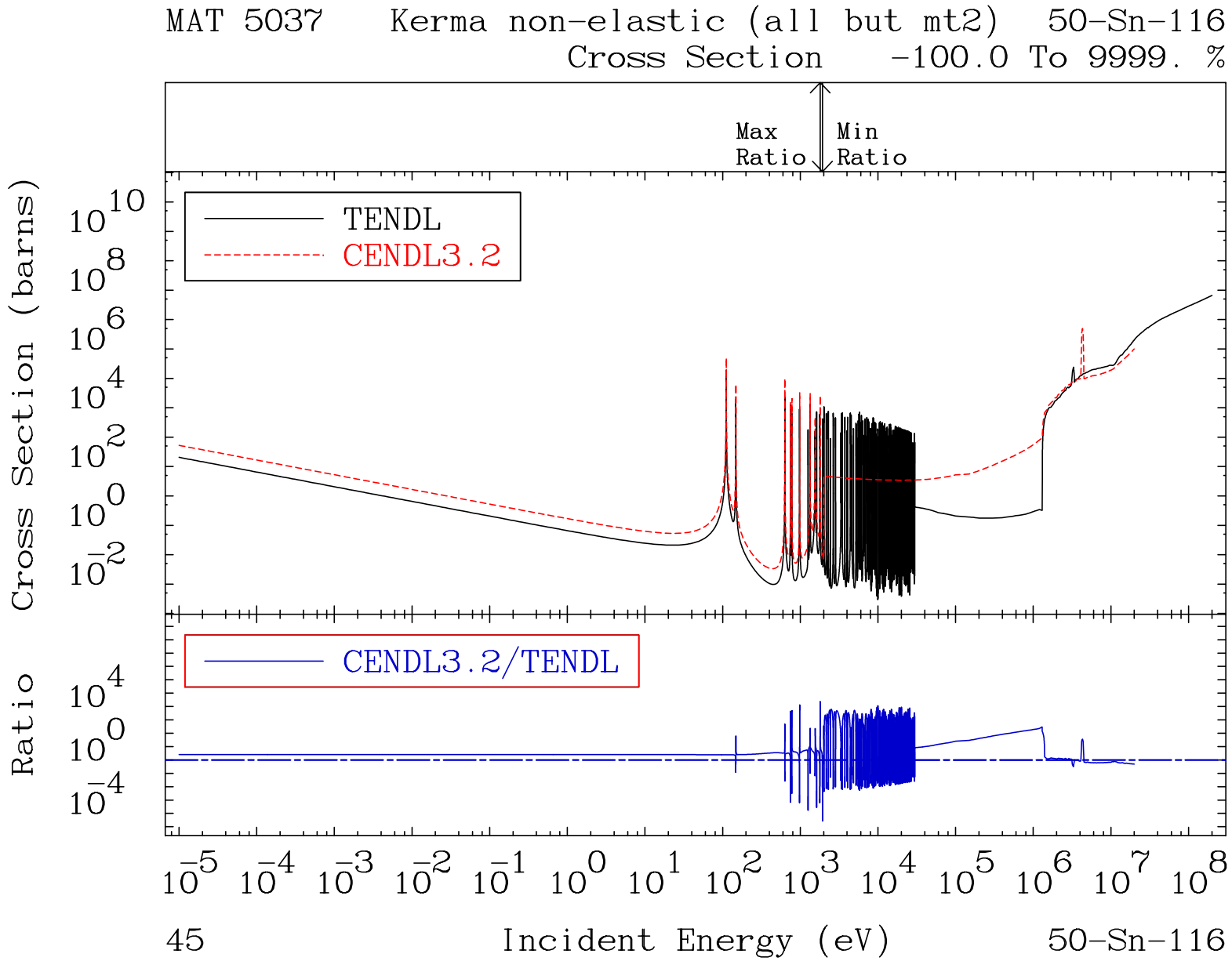

MAT 5037
Deuterium Production
50-Sn-116
Cross Section
-100.0 To -78.59%
Min Ratio
Max Ratio
TENDL Threshold 7.1154 MeV
CENDL3.2 Threshold 12.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
0.3
0.2
0.1
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
40
Incident Energy (eV)
50-Sn-116

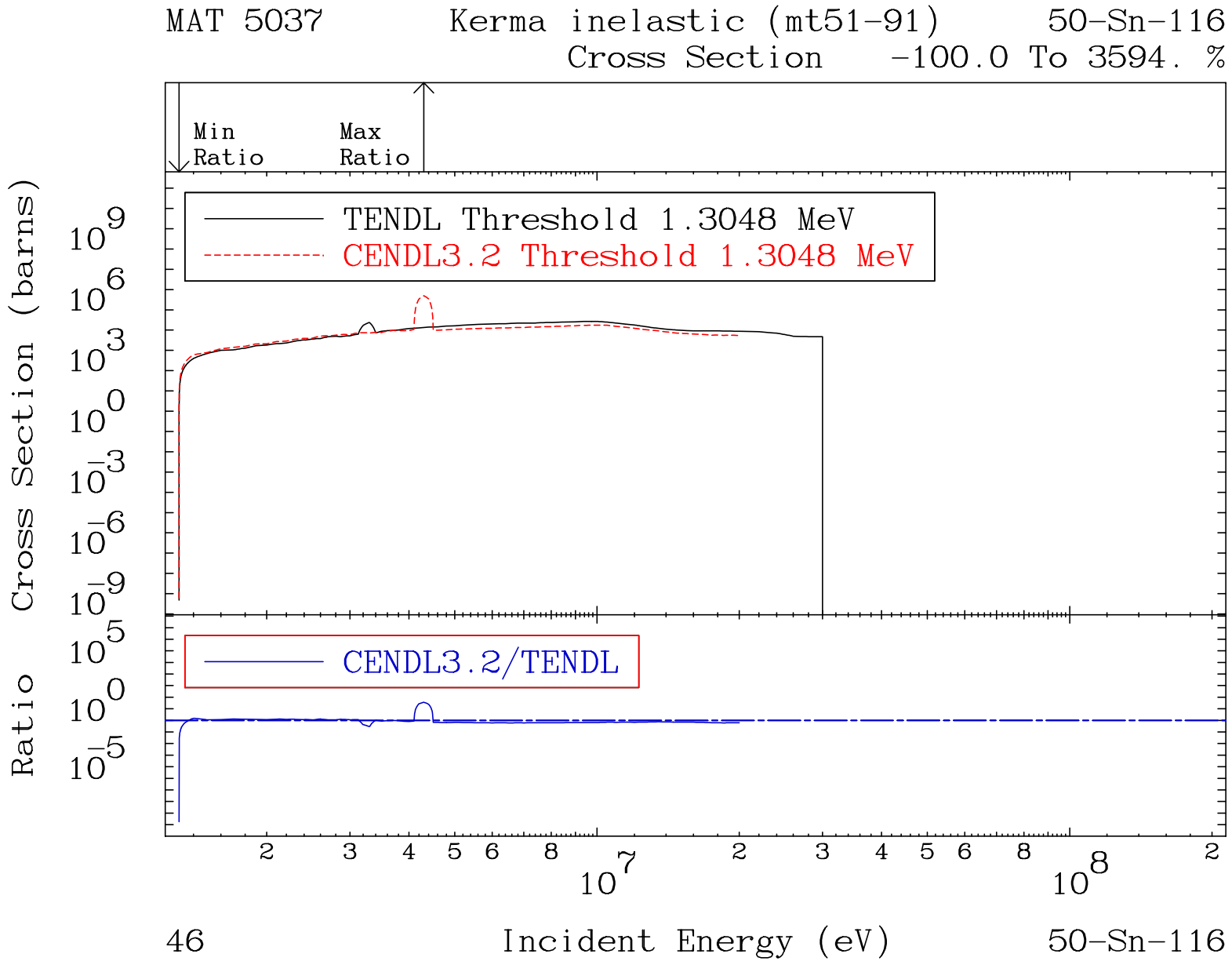

MAT 5037
Tritium Production
50-Sn-116
Cross Section
-100.0 To 100.5 %
Min Ratio
Max Ratio
TENDL Threshold 9.9202 MeV
CENDL3.2 Threshold 13.250 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
3.0
2.0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
41
Incident Energy (eV)
50-Sn-116

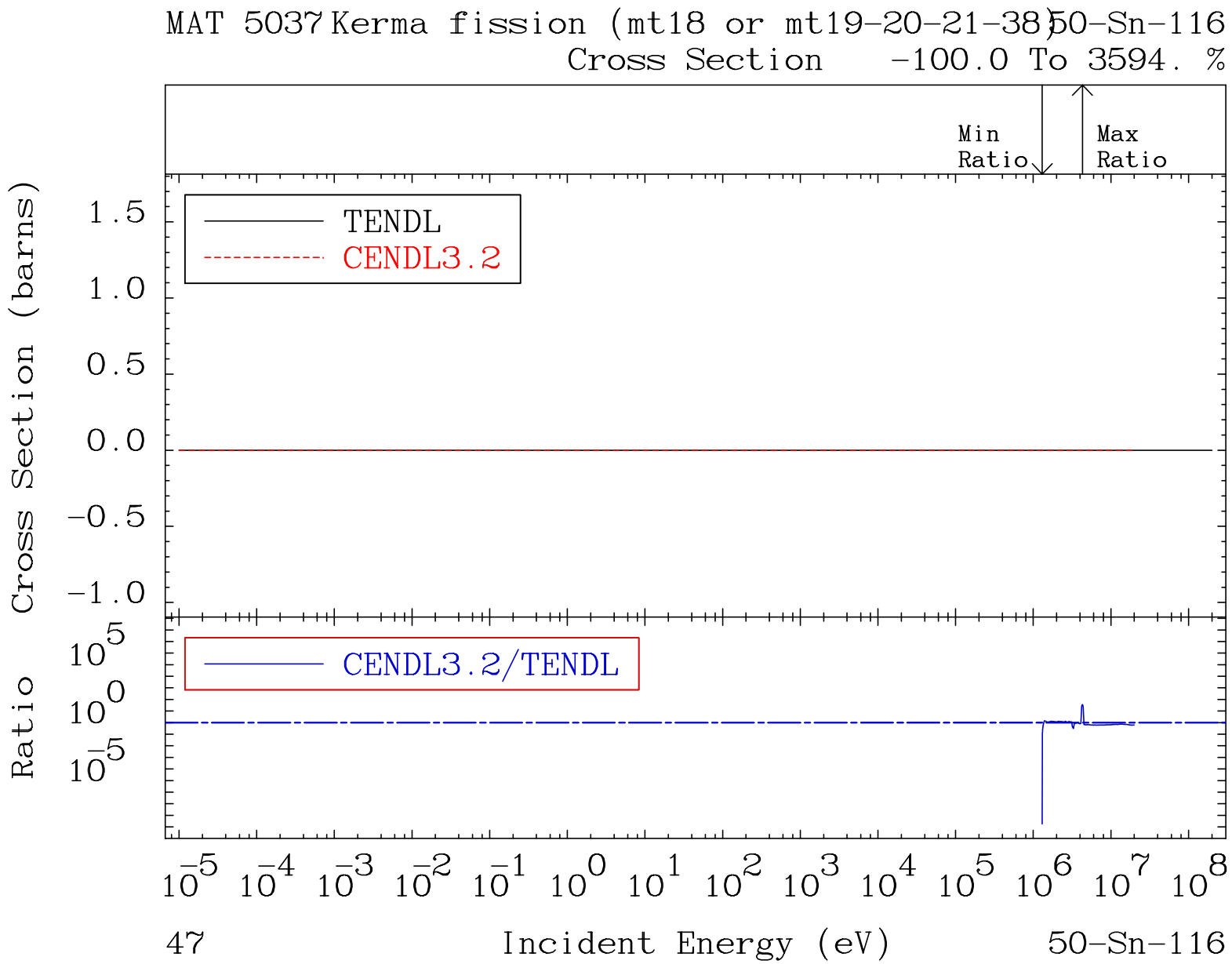

MAT 5037
He-4 Production
Cross Section
50-Sn-116
-100.0 To -41.74%
Min Ratio
Max Ratio
TENDL
CENDL3.2 Threshold 4.5000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
0.8
0.4
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
42
Incident Energy (eV)
50-Sn-116

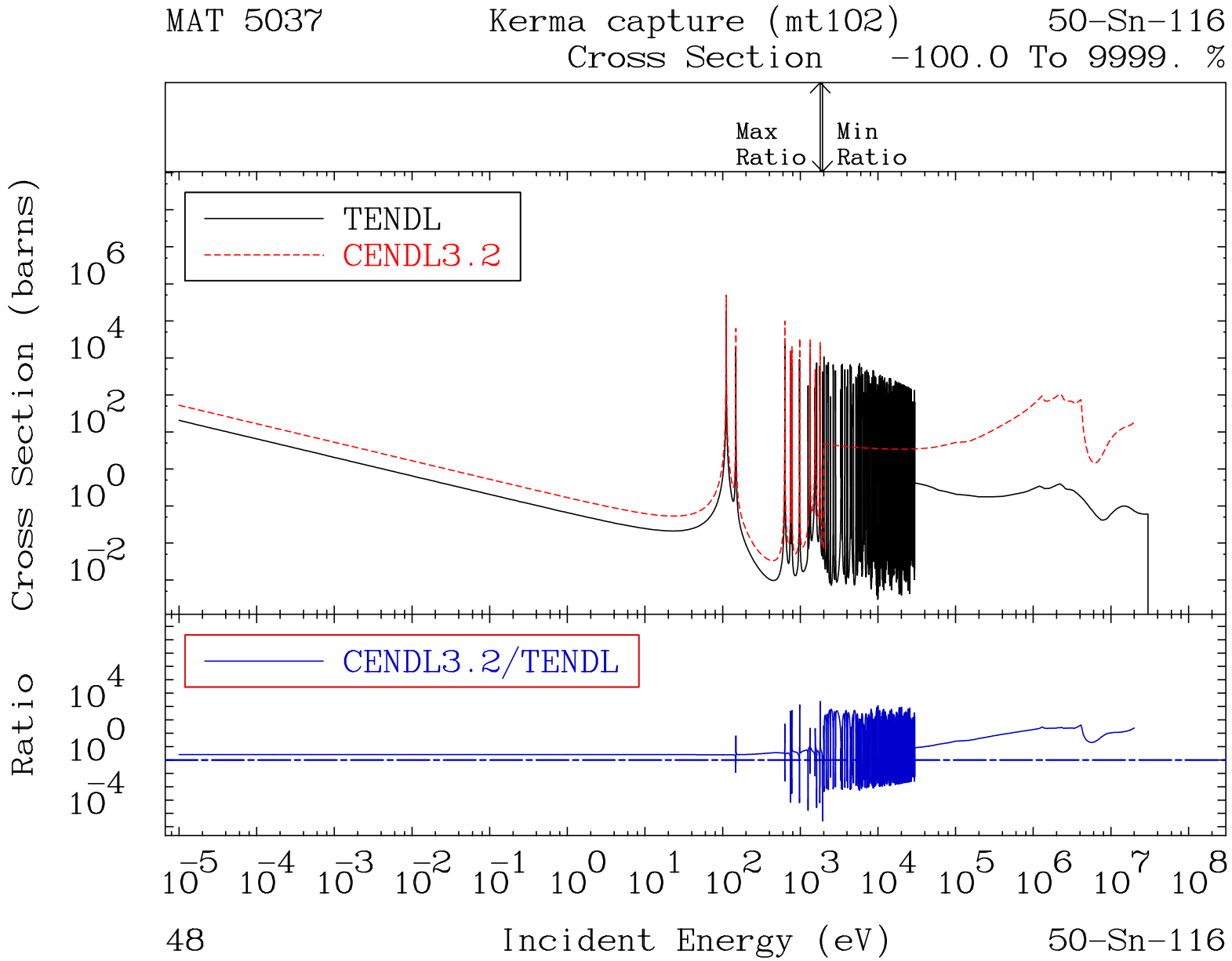

MAT 5037
Kerma total (eV-barns)
50-Sn-116
Cross Section -99.66 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
43
50-Sn-116

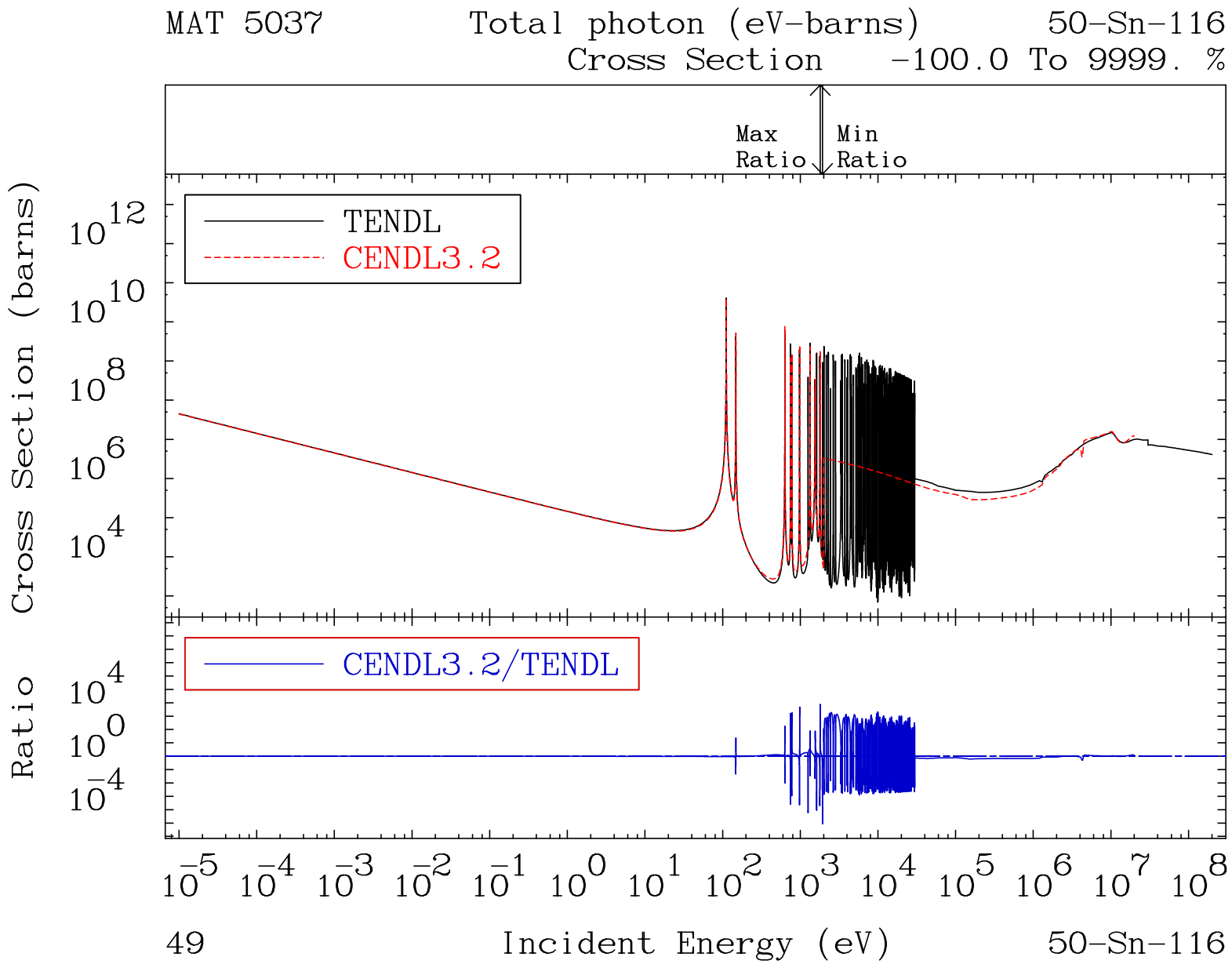

MAT 5037
Kerma elastic
Cross Section
50-Sn-116
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
44
50-Sn-116

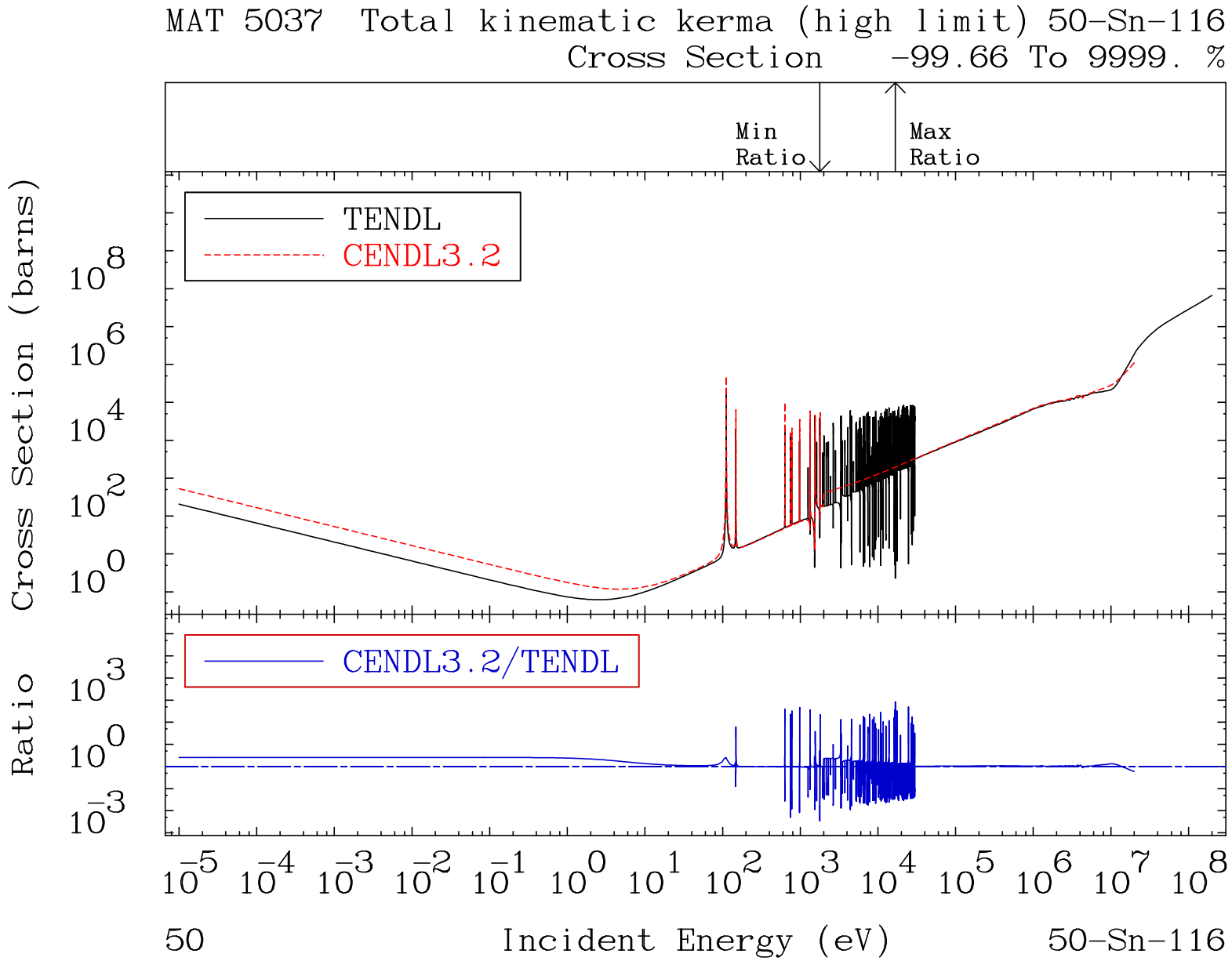

MAT 5037 Kerma non-elastic (all but mt2) 50-Sn-116
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
45
50-Sn-116

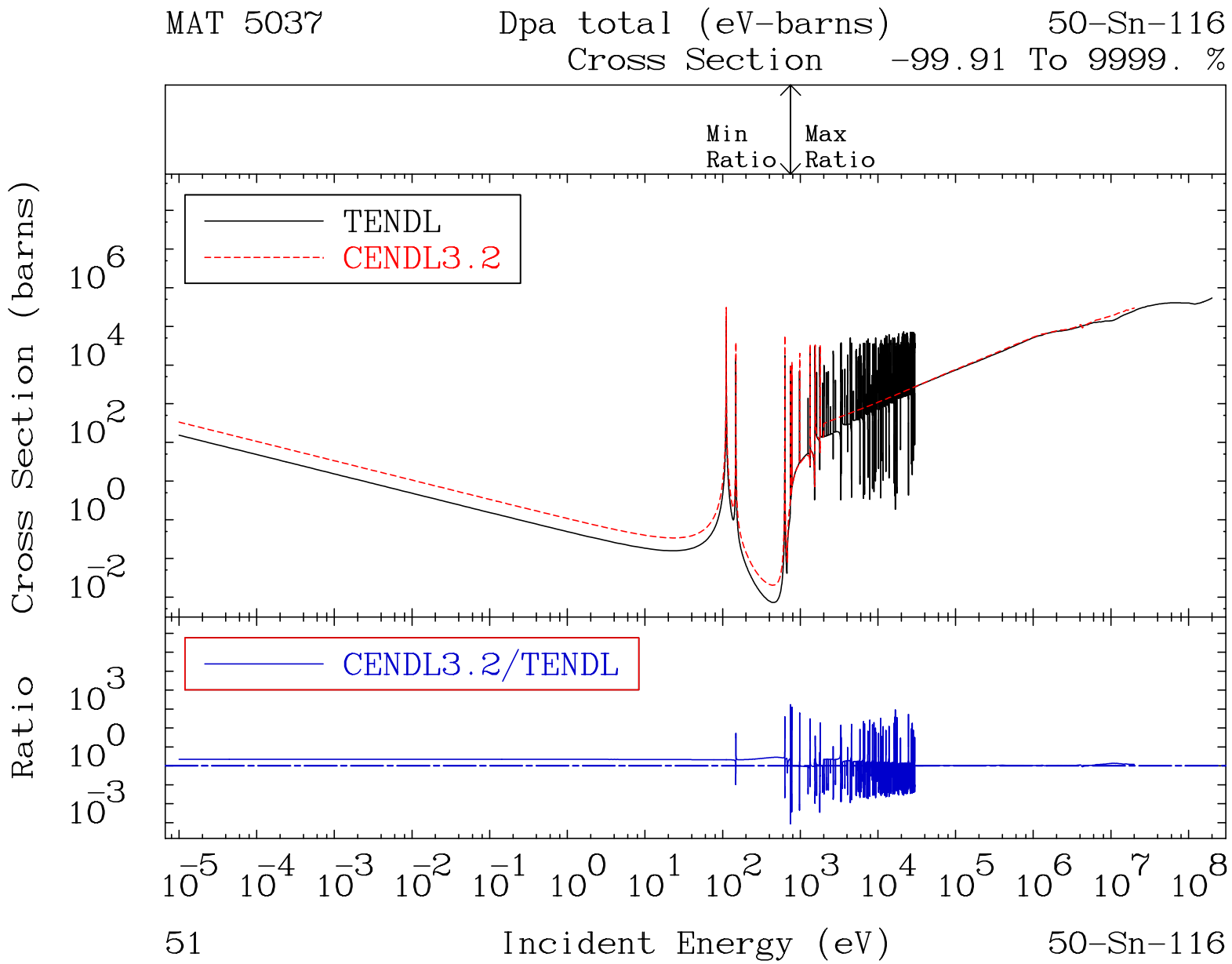

MAT 5037
Kerma inelastic (mt51-91)
50-Sn-116
Cross Section -100.0 To 3594. %
Min Ratio
Max Ratio
TENDL Threshold 1.3048 MeV
CENDL3.2 Threshold 1.3048 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
50-Sn-116

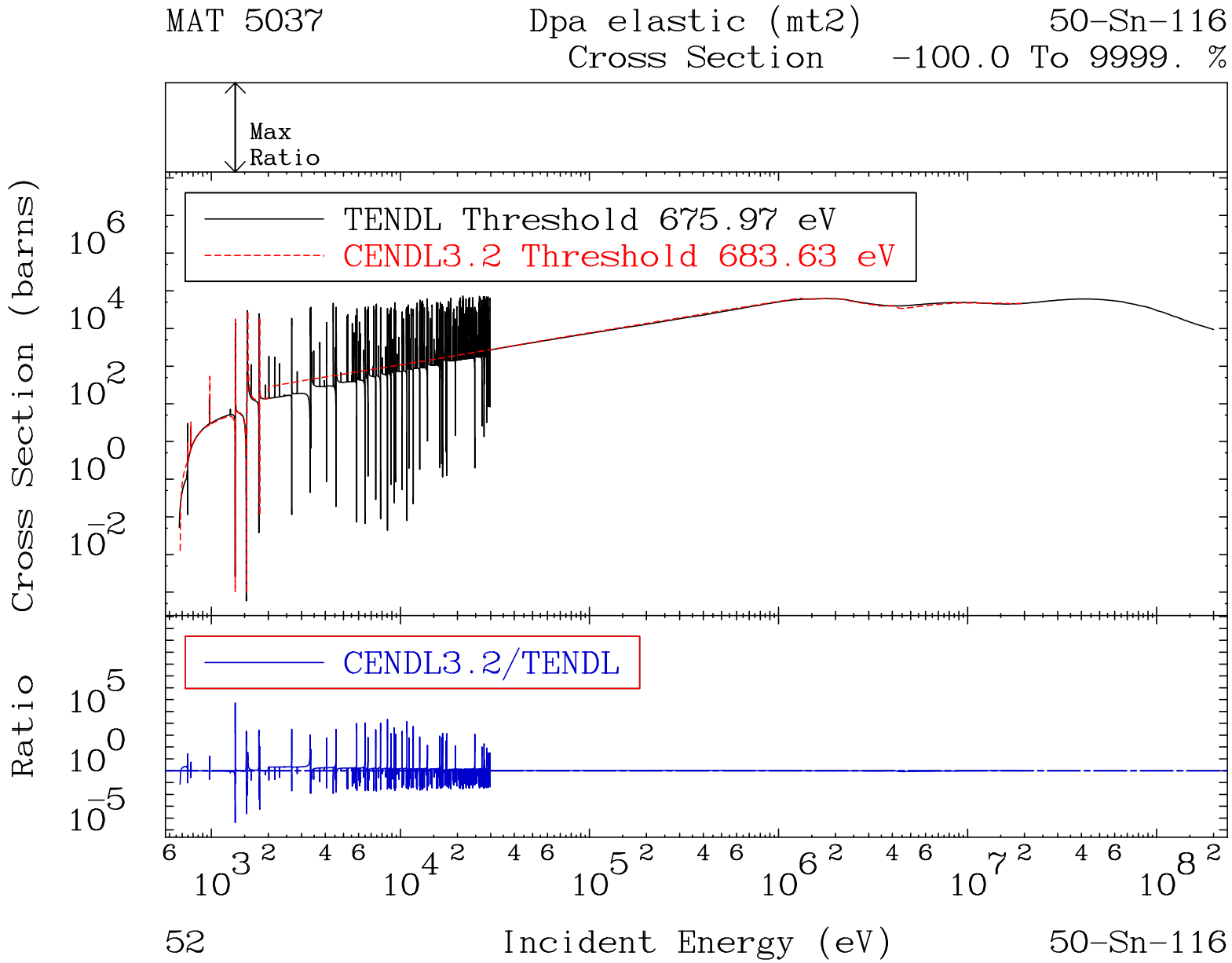

MAT 5037 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-116
Cross Section -100.0 To 3594. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{5}
10^{0}
10^{-5}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
47
Incident Energy (eV)
50-Sn-116

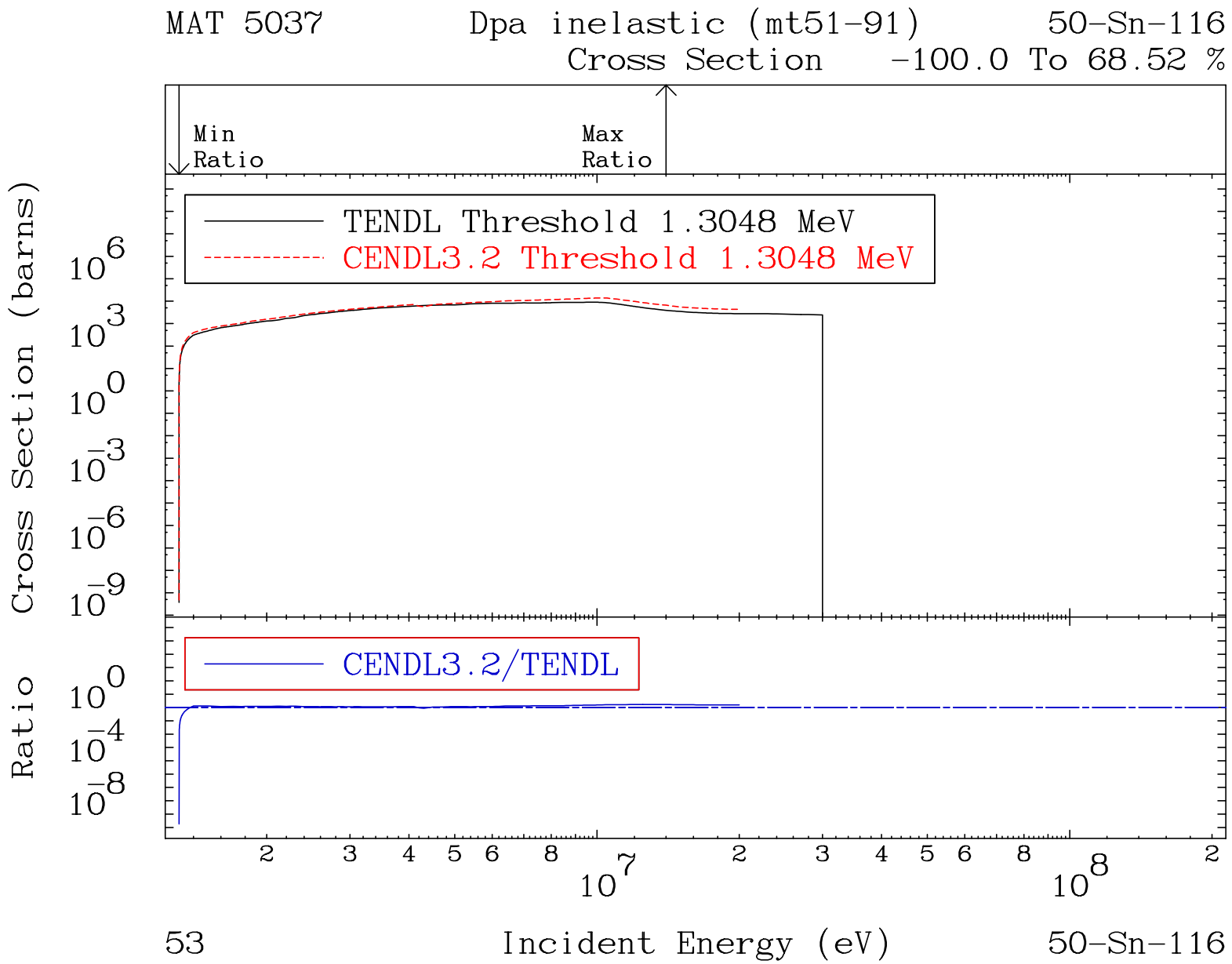

MAT 5037
Kerma capture (mt102)
50-Sn-116
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
48
50-Sn-116

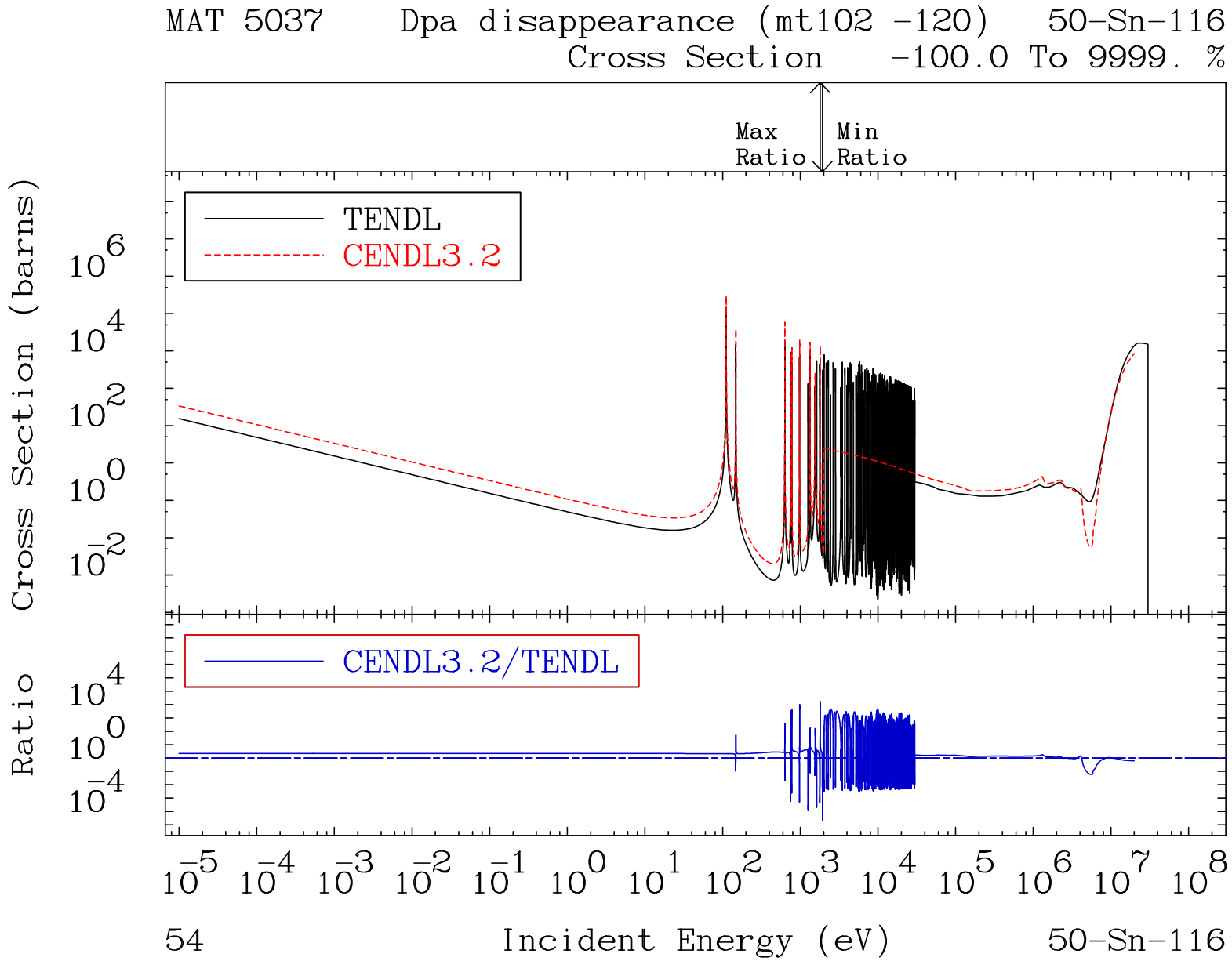

MAT 5037
Total photon (eV-barns)
50-Sn-116
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
49
50-Sn-116

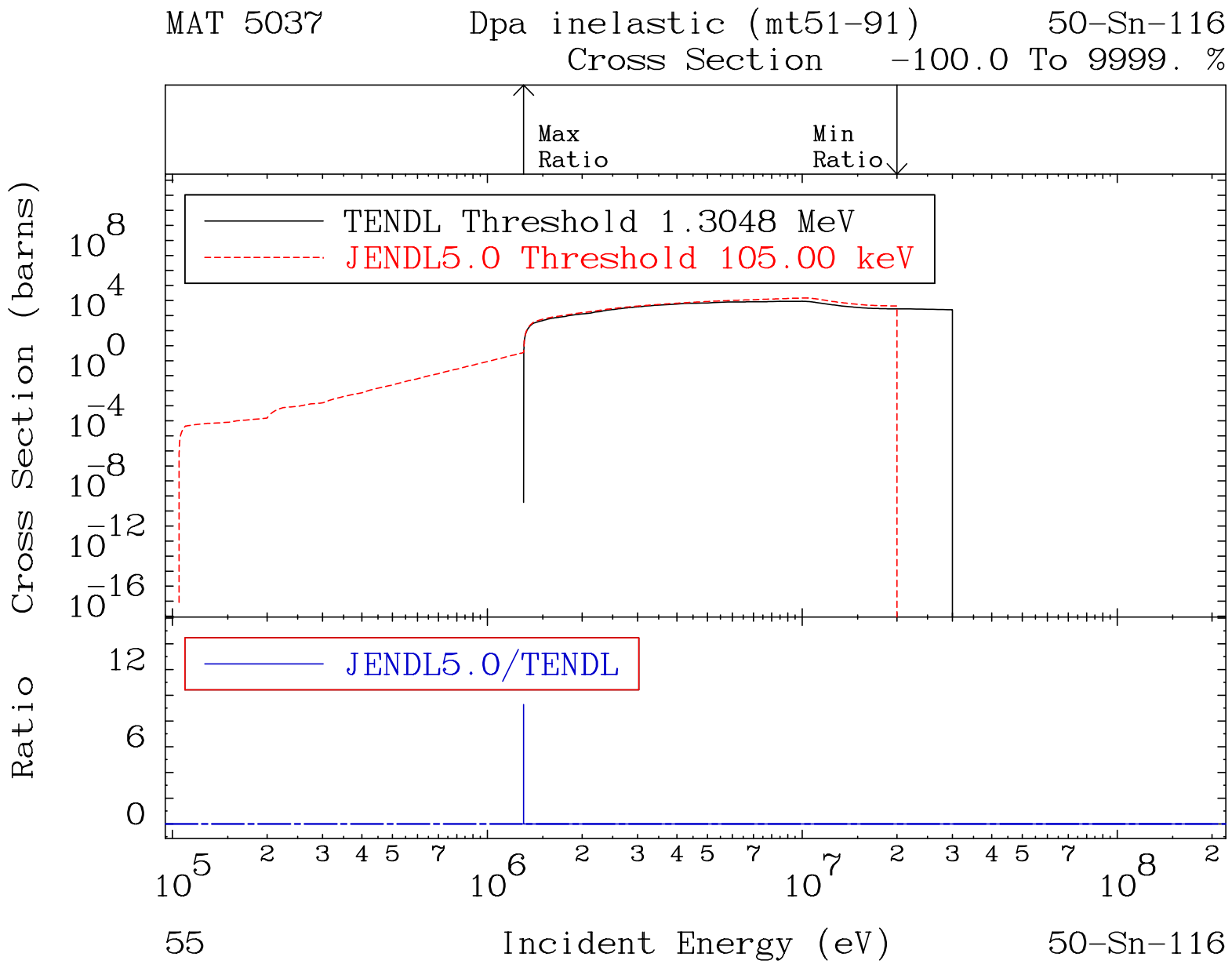

MAT 5037 Total kinematic kerma (high limit) 50-Sn-116
Cross Section -99.66 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
50
50-Sn-116

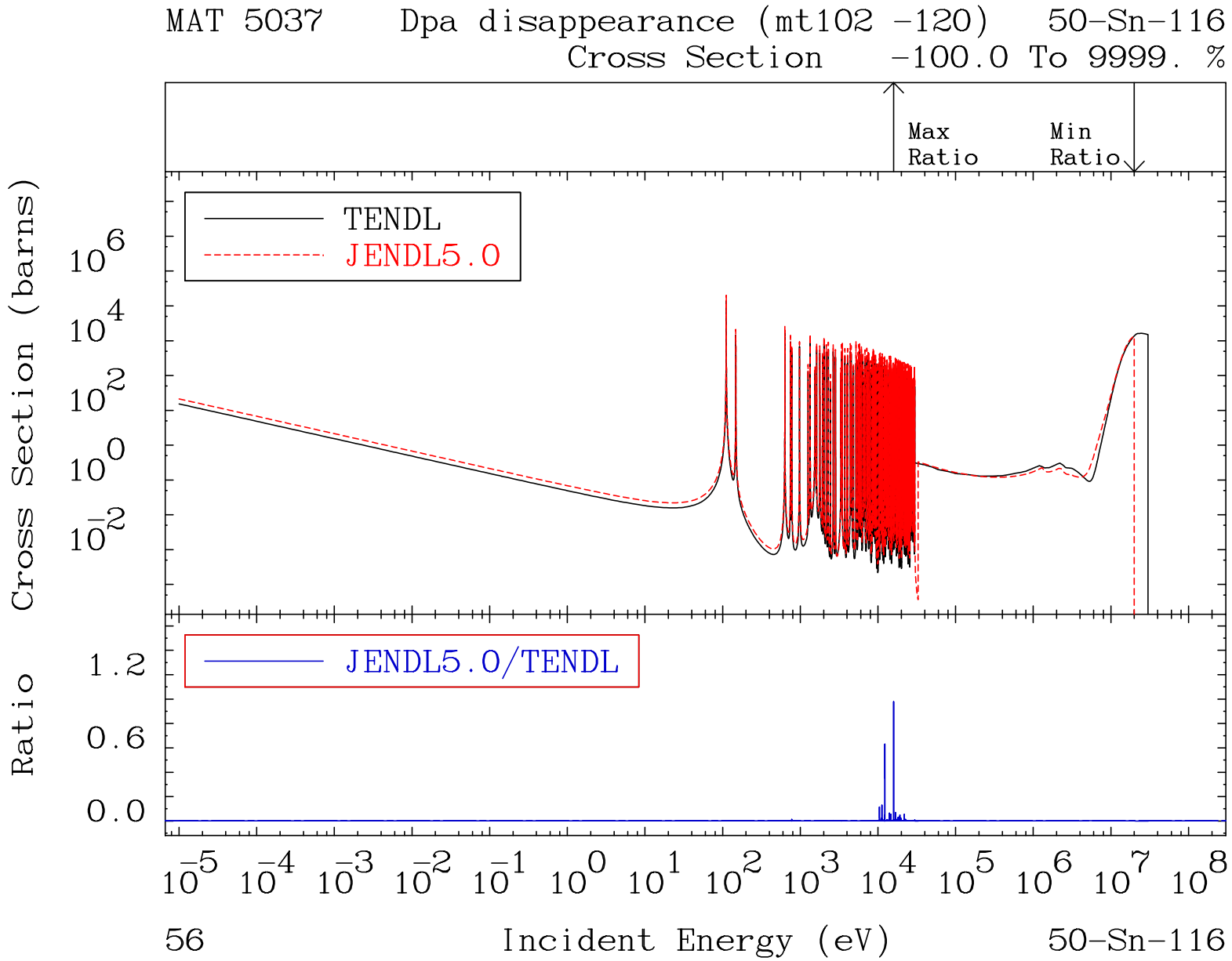

MAT 5037
Dpa total (eV-barns)
50-Sn-116
Cross Section -99.91 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
50-Sn-116

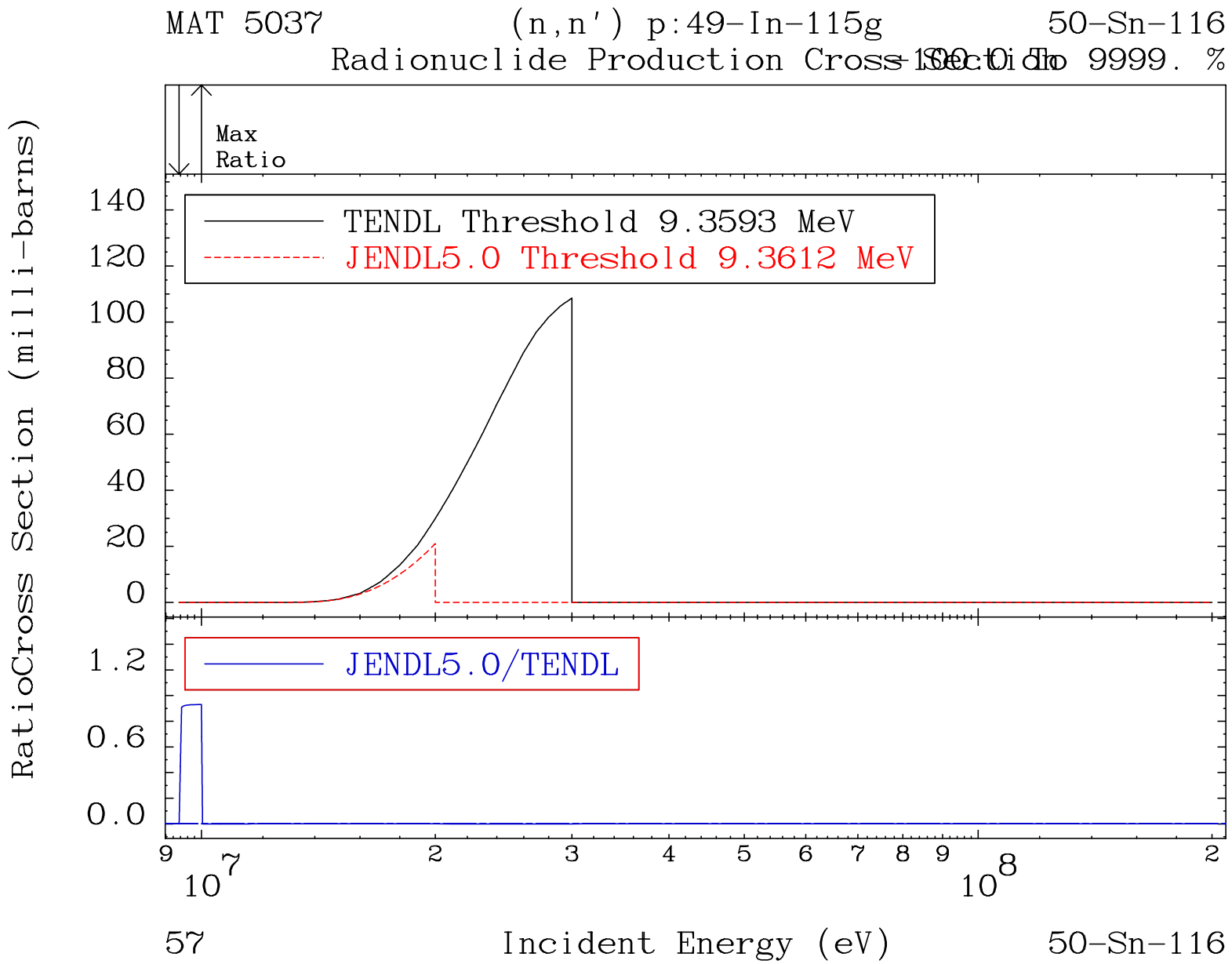

MAT 5037
Dpa elastic (mt2)
Cross Section
50-Sn-116
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 675.97 eV
CENDL3.2 Threshold 683.63 eV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
50-Sn-116

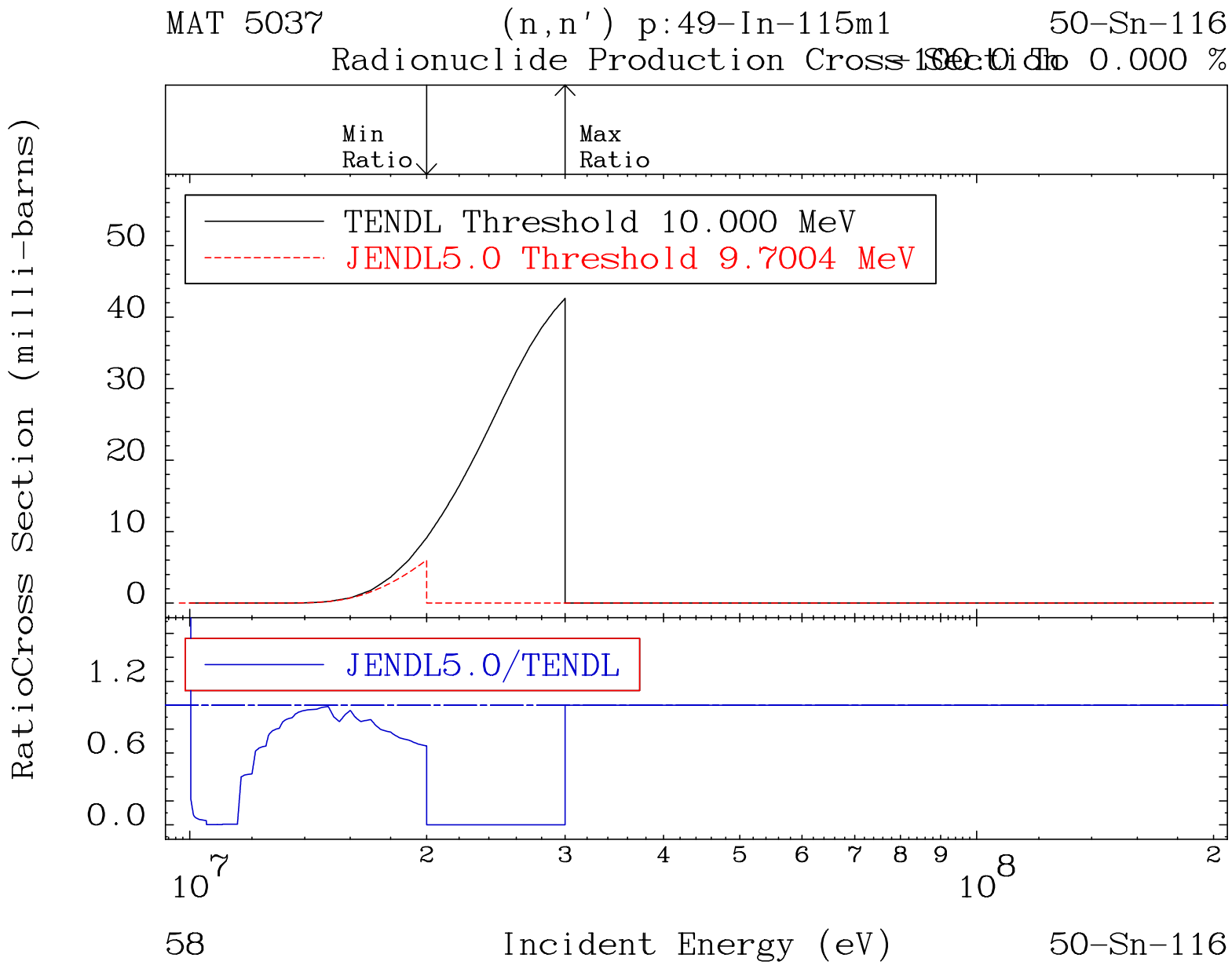

MAT 5037
Dpa inelastic (mt51-91)
50-Sn-116
Cross Section -100.0 To 68.52 %
Min Ratio
Max Ratio
TENDL Threshold 1.3048 MeV
CENDL3.2 Threshold 1.3048 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
50-Sn-116

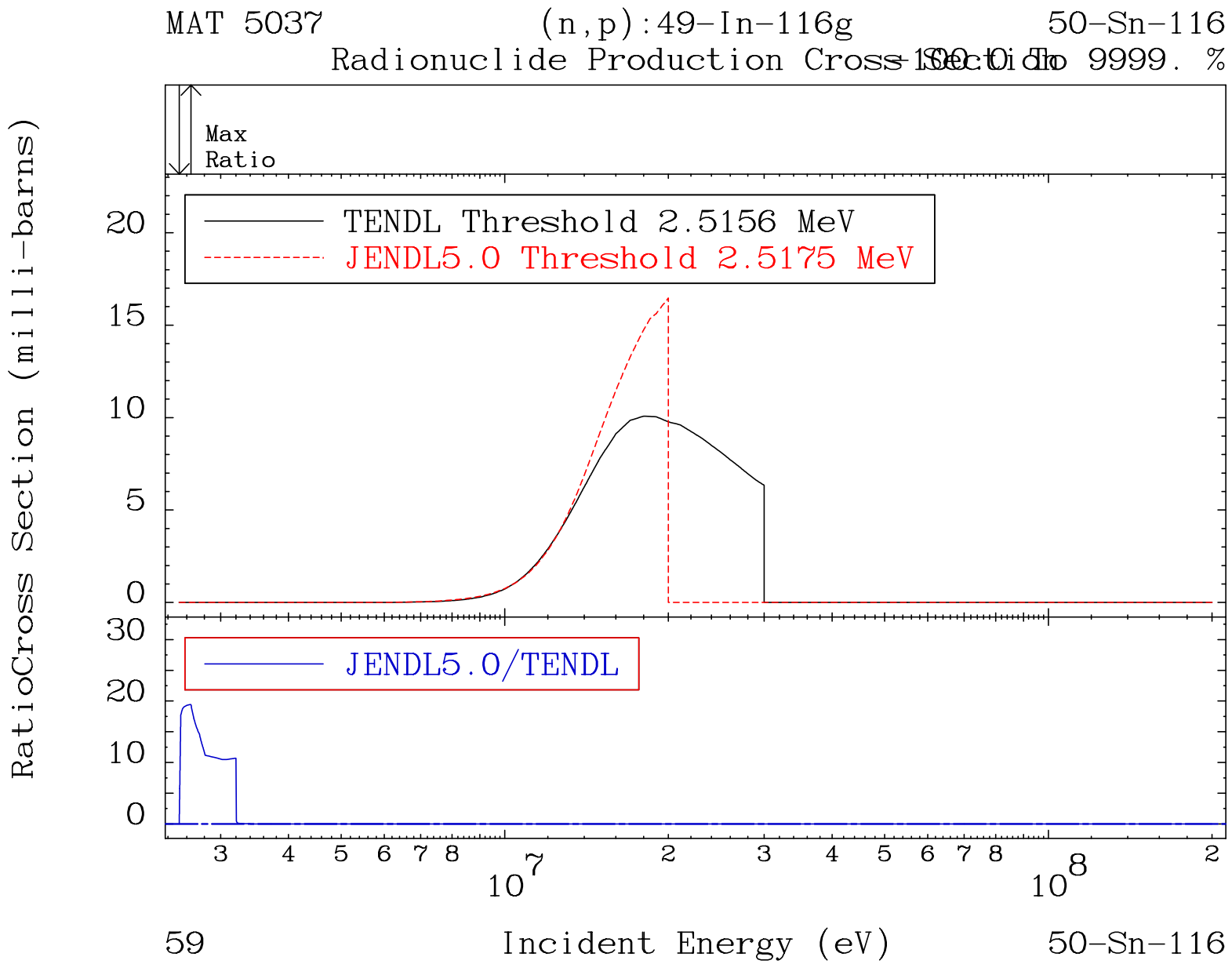

MAT 5037 Dpa disappearance (mt102 -120) 50-Sn-116
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
50-Sn-116

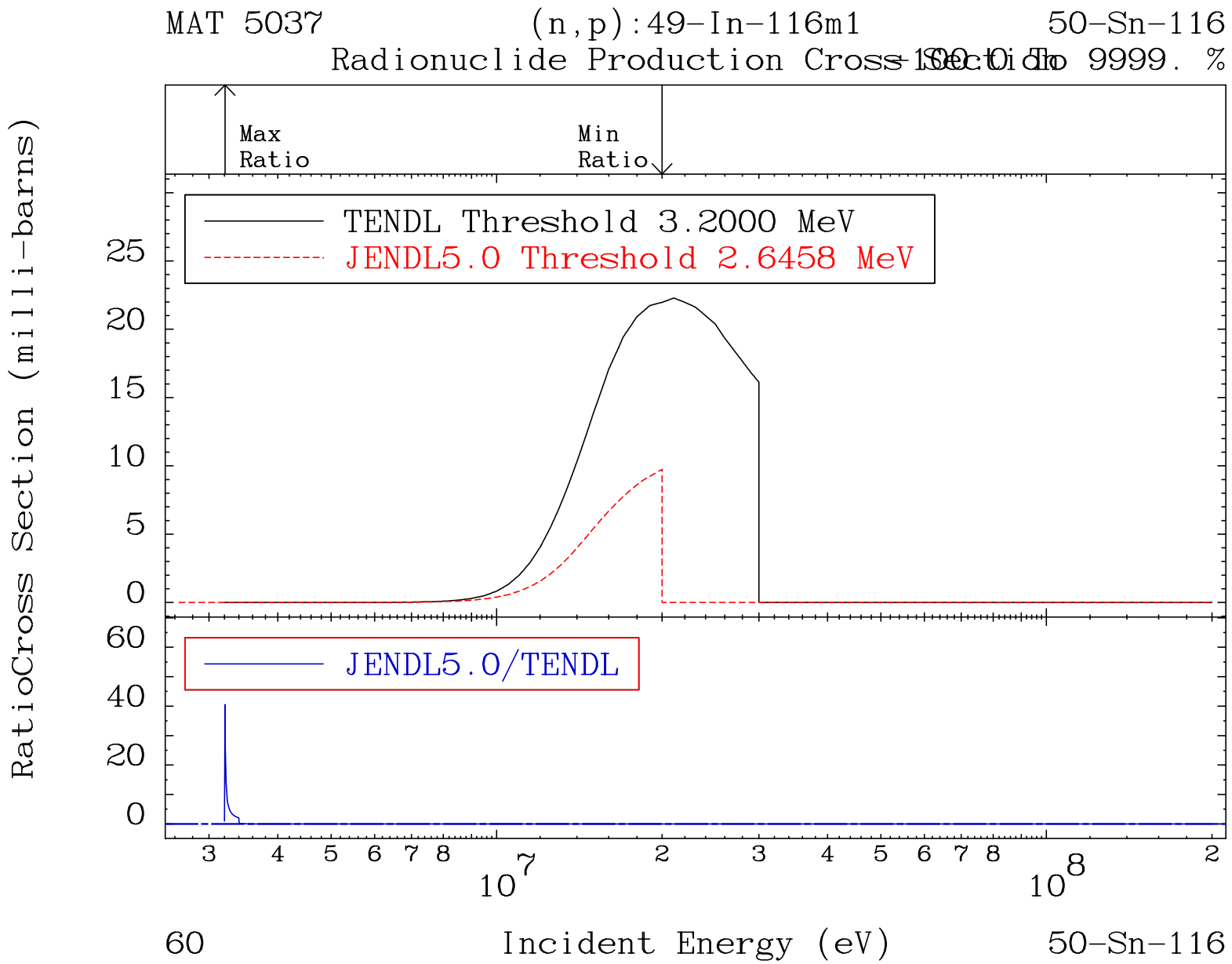

MAT 5037
Dpa inelastic (mt51-91)
50-Sn-116
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.3048 MeV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
50-Sn-116

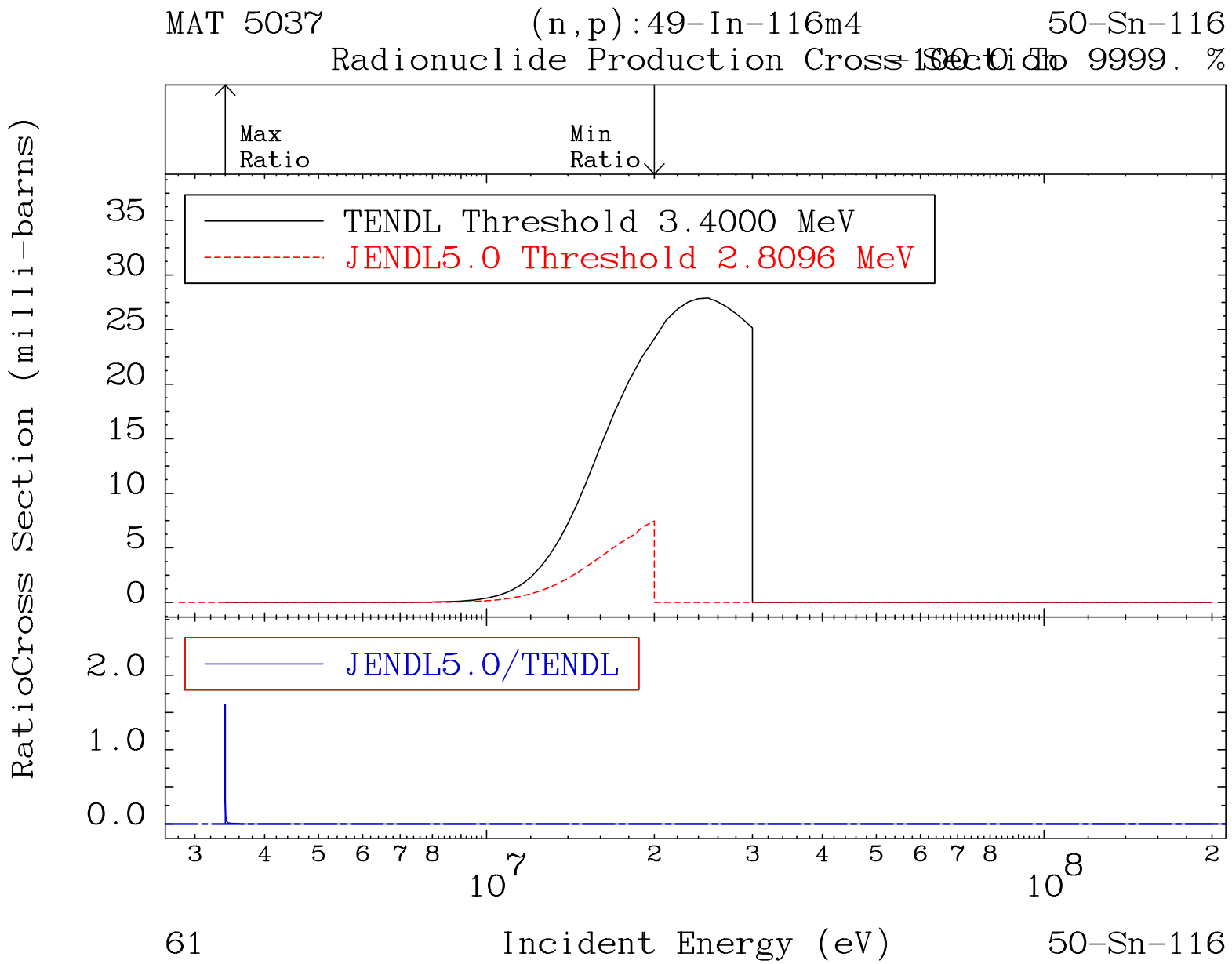

MAT 5037 Dpa disappearance (mt102 -120) 50-Sn-116
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
56
50-Sn-116

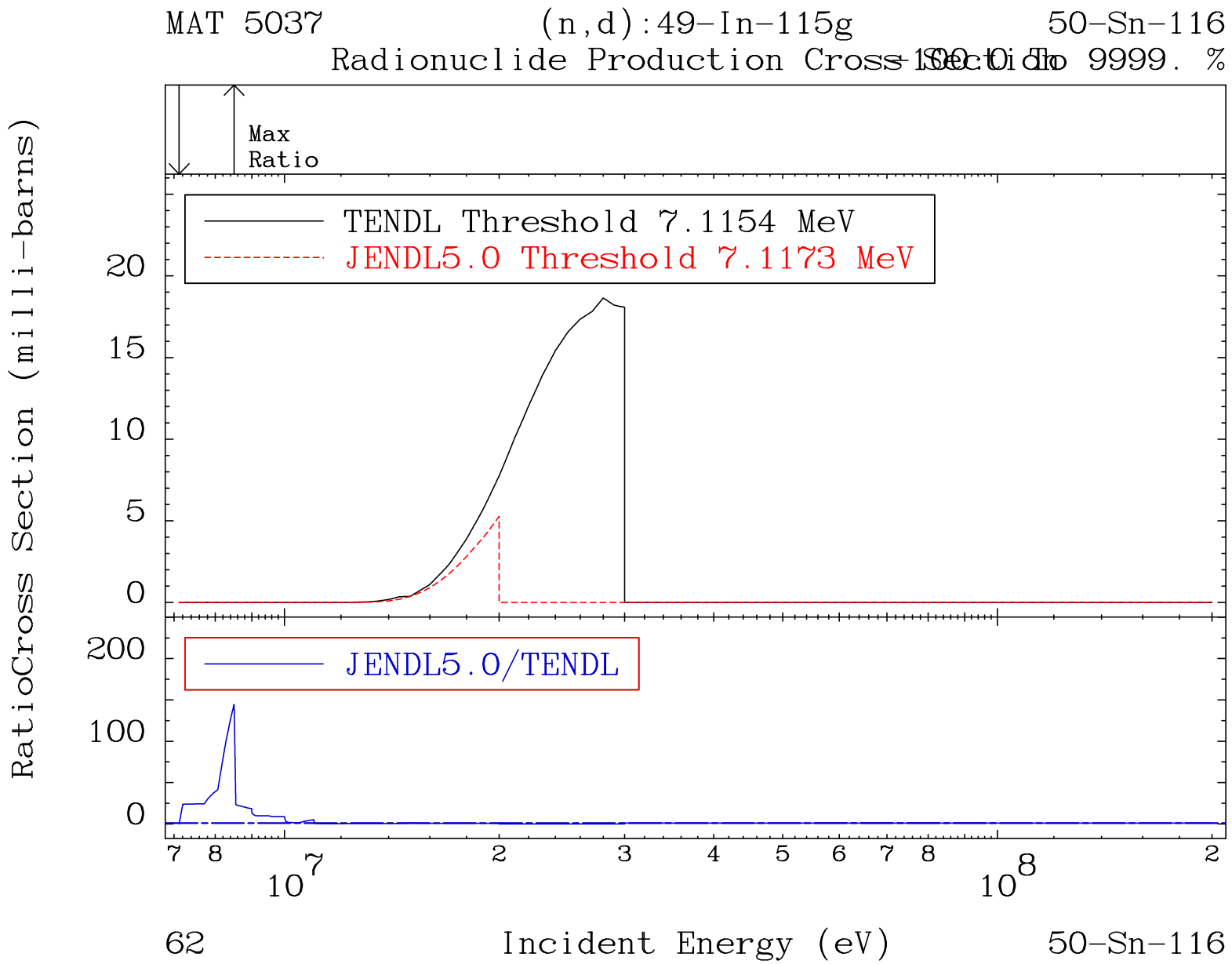

MAT 5037
(n,n') p:49-In-115g
50-Sn-116
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 9.3593 MeV
JENDL5.0 Threshold 9.3612 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
57
50-Sn-116

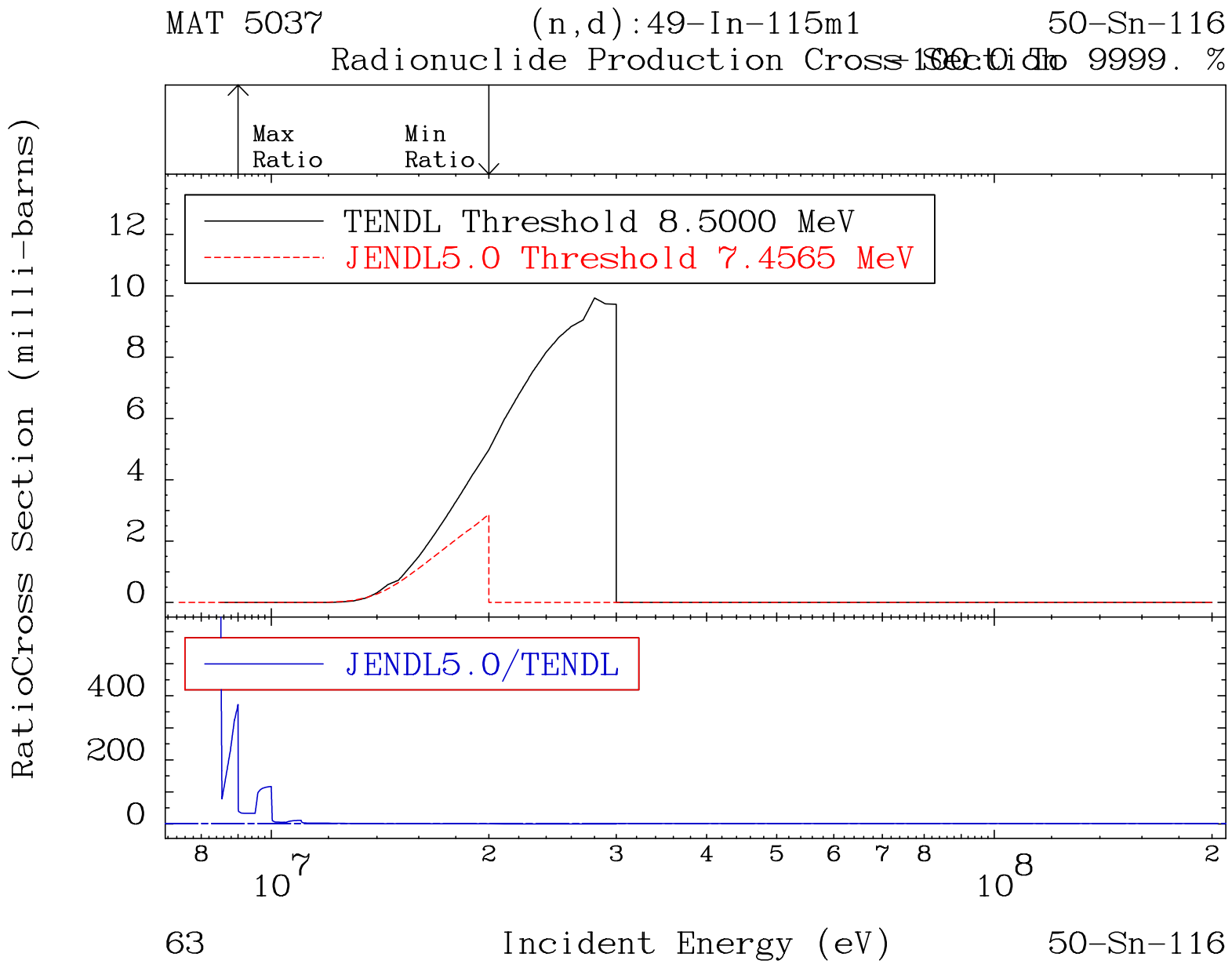

MAT 5037
(n,n') p:49-In-115m1
50-Sn-116
Radionuclide Production Cross Section
Uncertainty 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 10.000 MeV
JENDL5.0 Threshold 9.7004 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.2
0.6
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
58
Incident Energy (eV)
50-Sn-116

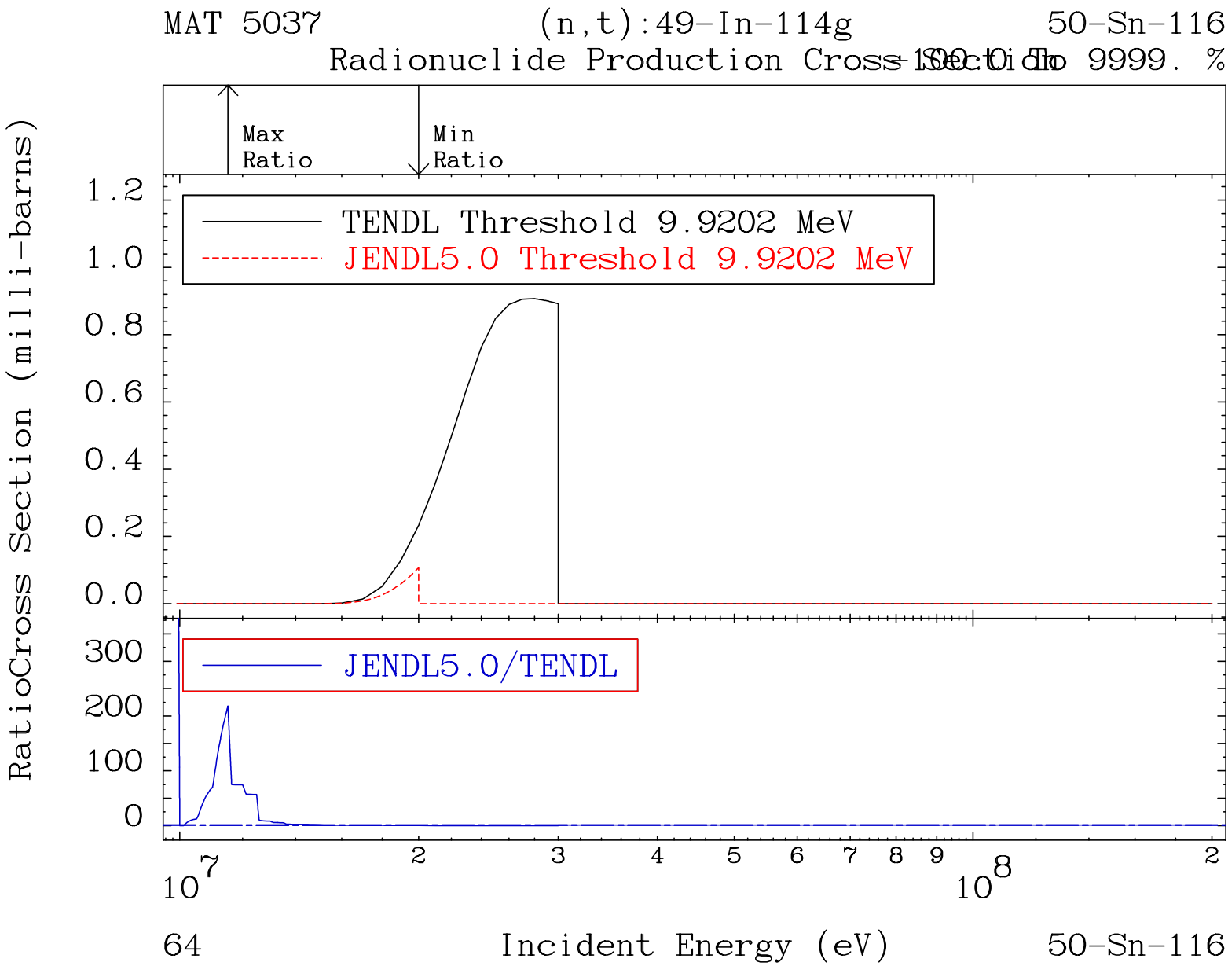

MAT 5037
(n,p):49-In-116g
50-Sn-116
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 2.5156 MeV
JENDL5.0 Threshold 2.5175 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
30
20
10
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
59
Incident Energy (eV)
50-Sn-116

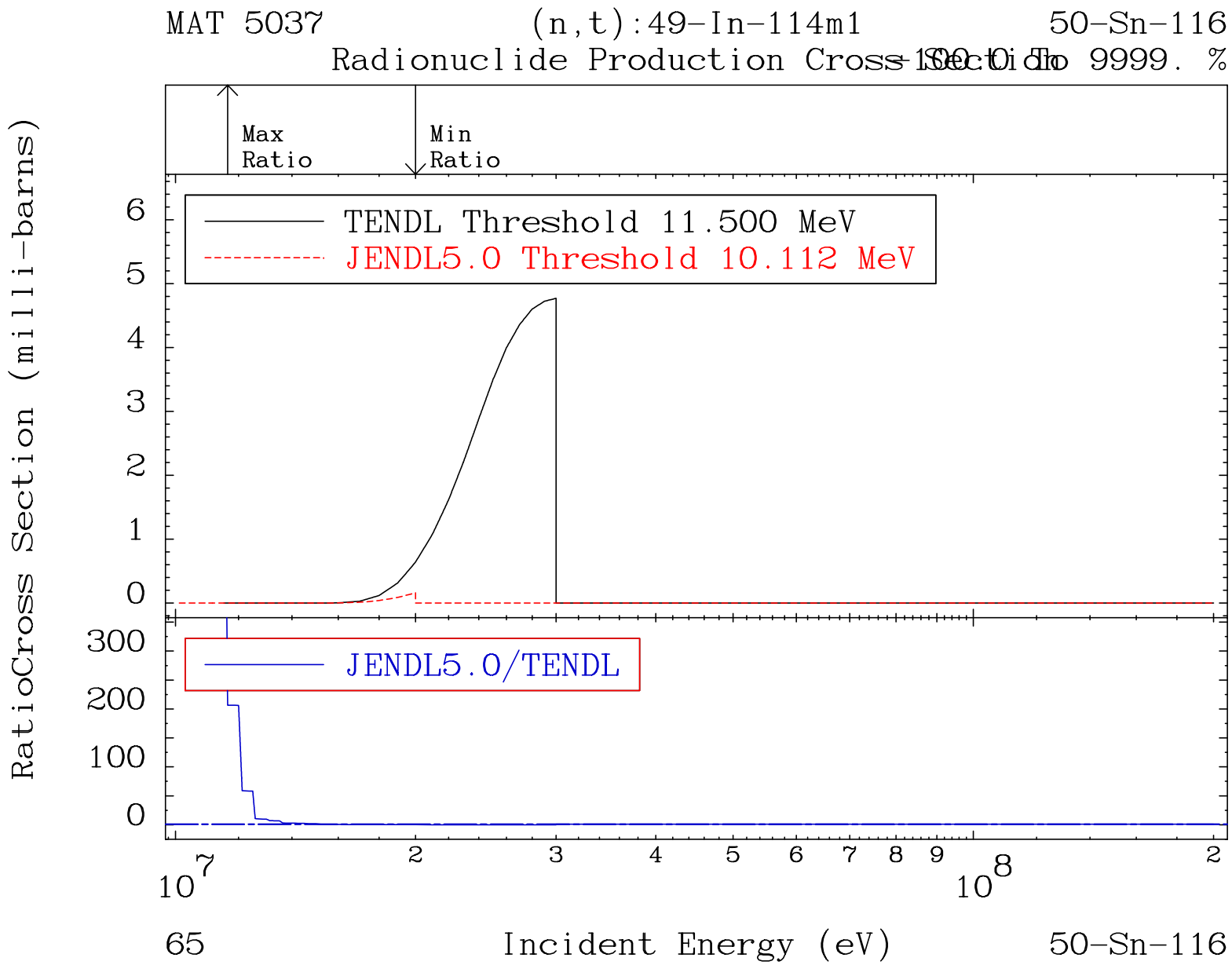

MAT 5037
(n,p):49-In-116m1
50-Sn-116
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 3.2000 MeV
JENDL5.0 Threshold 2.6458 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
60
50-Sn-116


MAT 5037
(n,p):49-In-116m4
50-Sn-116
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.4000 MeV
JENDL5.0 Threshold 2.8096 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
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
61
Incident Energy (eV)
50-Sn-116


MAT 5037
(n,d):49-In-115g
50-Sn-116
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 7.1154 MeV
JENDL5.0 Threshold 7.1173 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
200
100
0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
62
Incident Energy (eV)
50-Sn-116


MAT 5037
(n,d):49-In-115m1
50-Sn-116
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 8.5000 MeV
JENDL5.0 Threshold 7.4565 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
63
50-Sn-116


MAT 5037
(n,t):49-In-114g
50-Sn-116
Radionuclide Production Cross Section
1.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.9202 MeV
JENDL5.0 Threshold 9.9202 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
300
200
100
0
10^7
2
3
4
5
6
7
8
9
10^8
2
64
Incident Energy (eV)
50-Sn-116


MAT 5037
(n,t):49-In-114m1
50-Sn-116
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 11.500 MeV
JENDL5.0 Threshold 10.112 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
65
50-Sn-116