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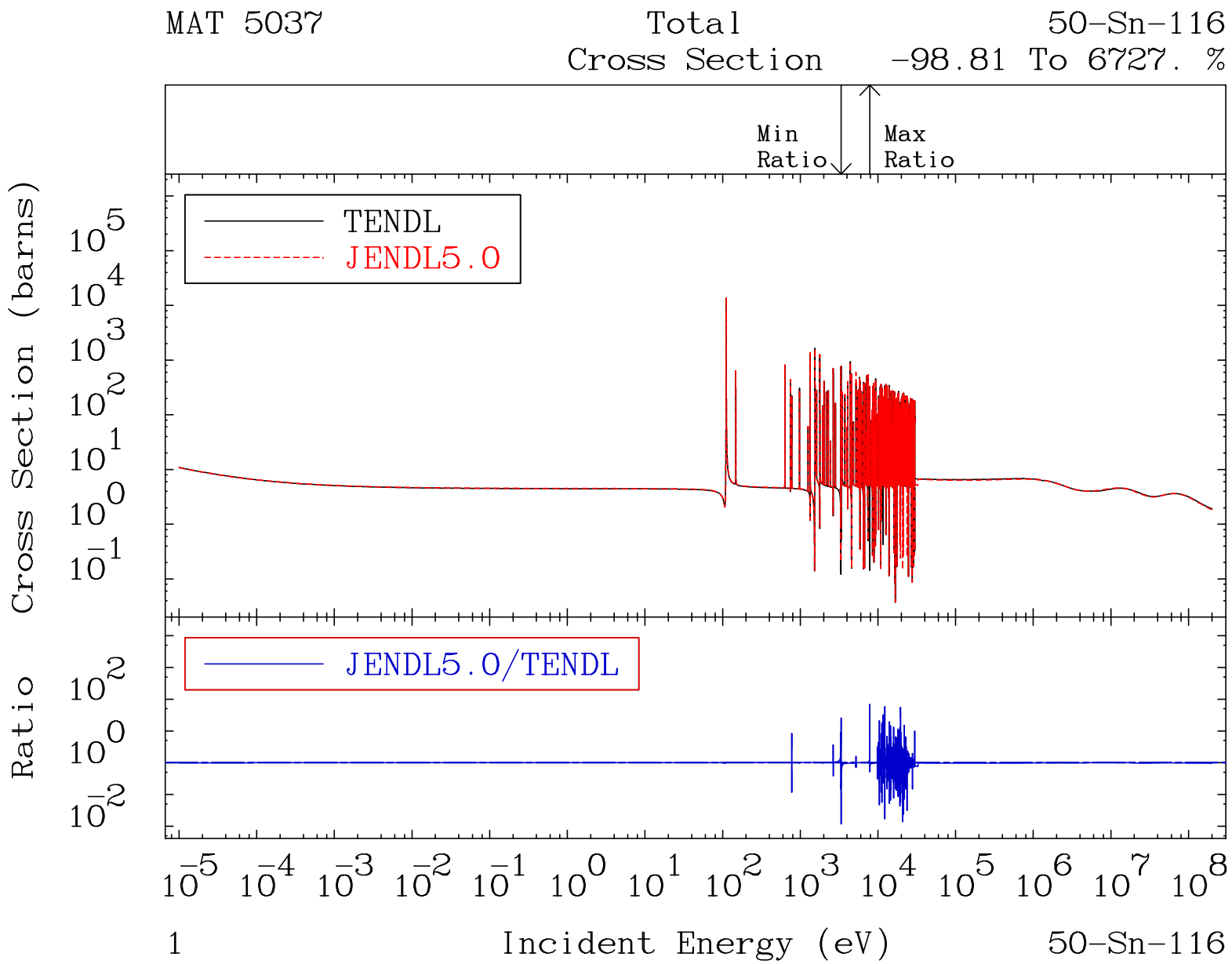
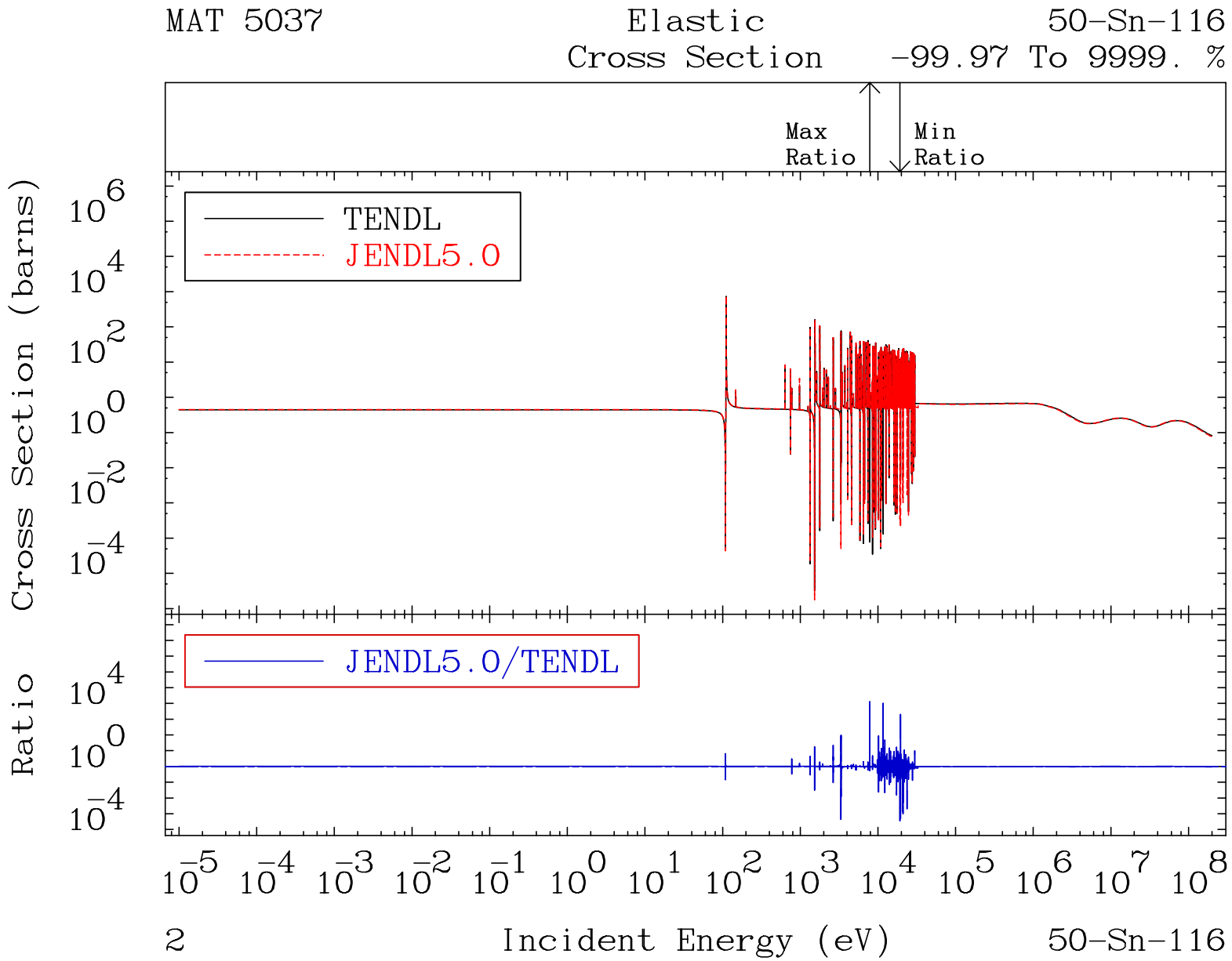
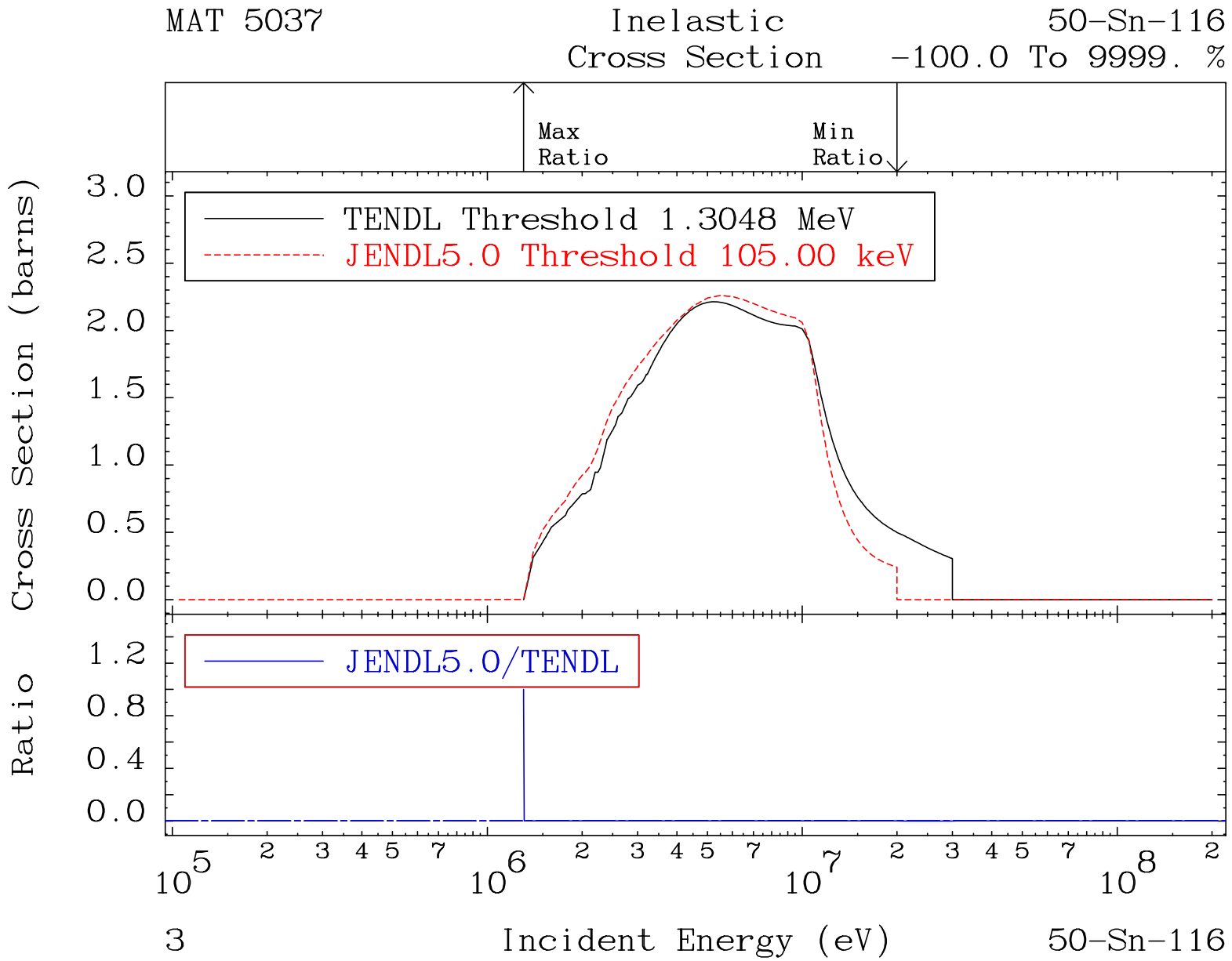
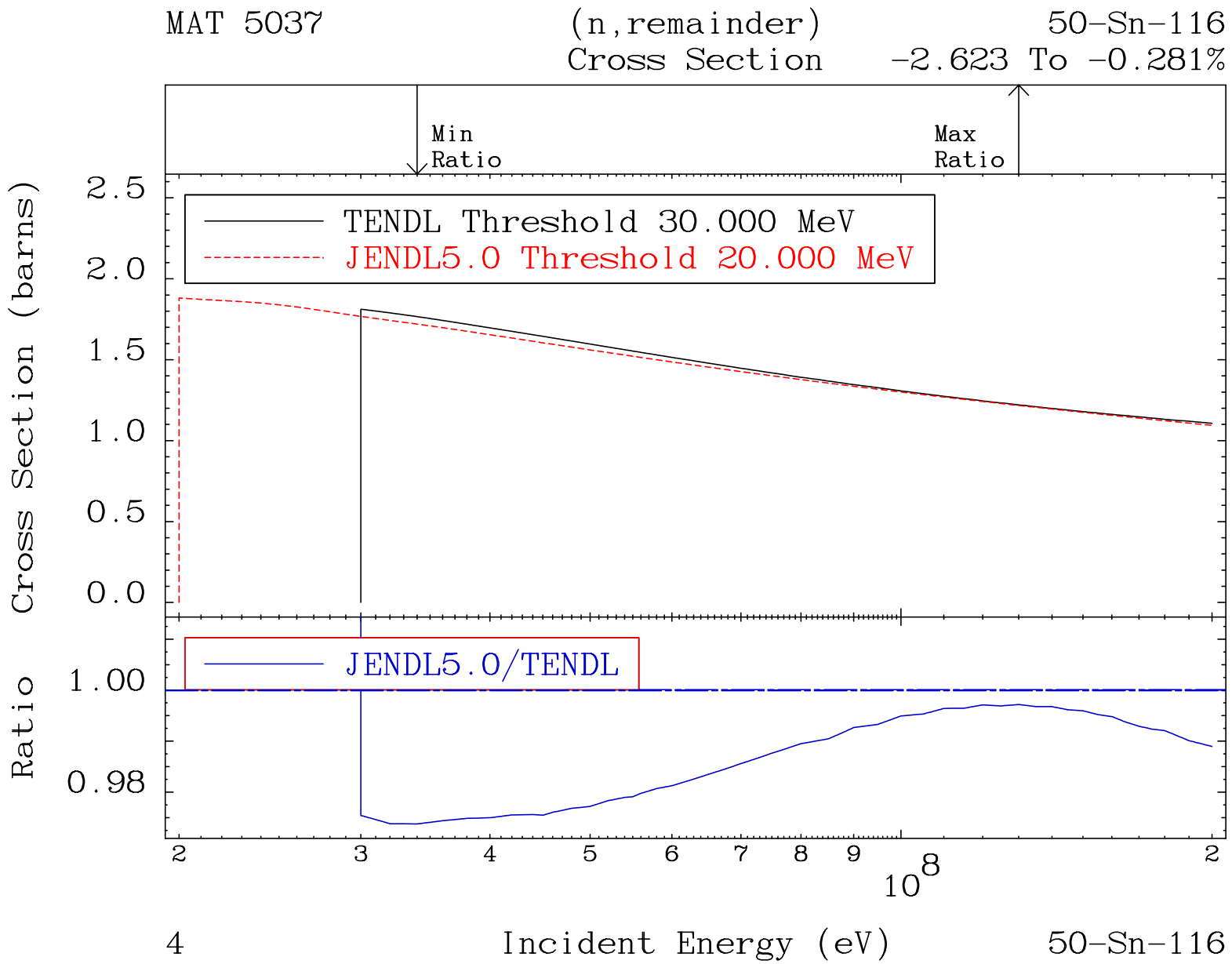
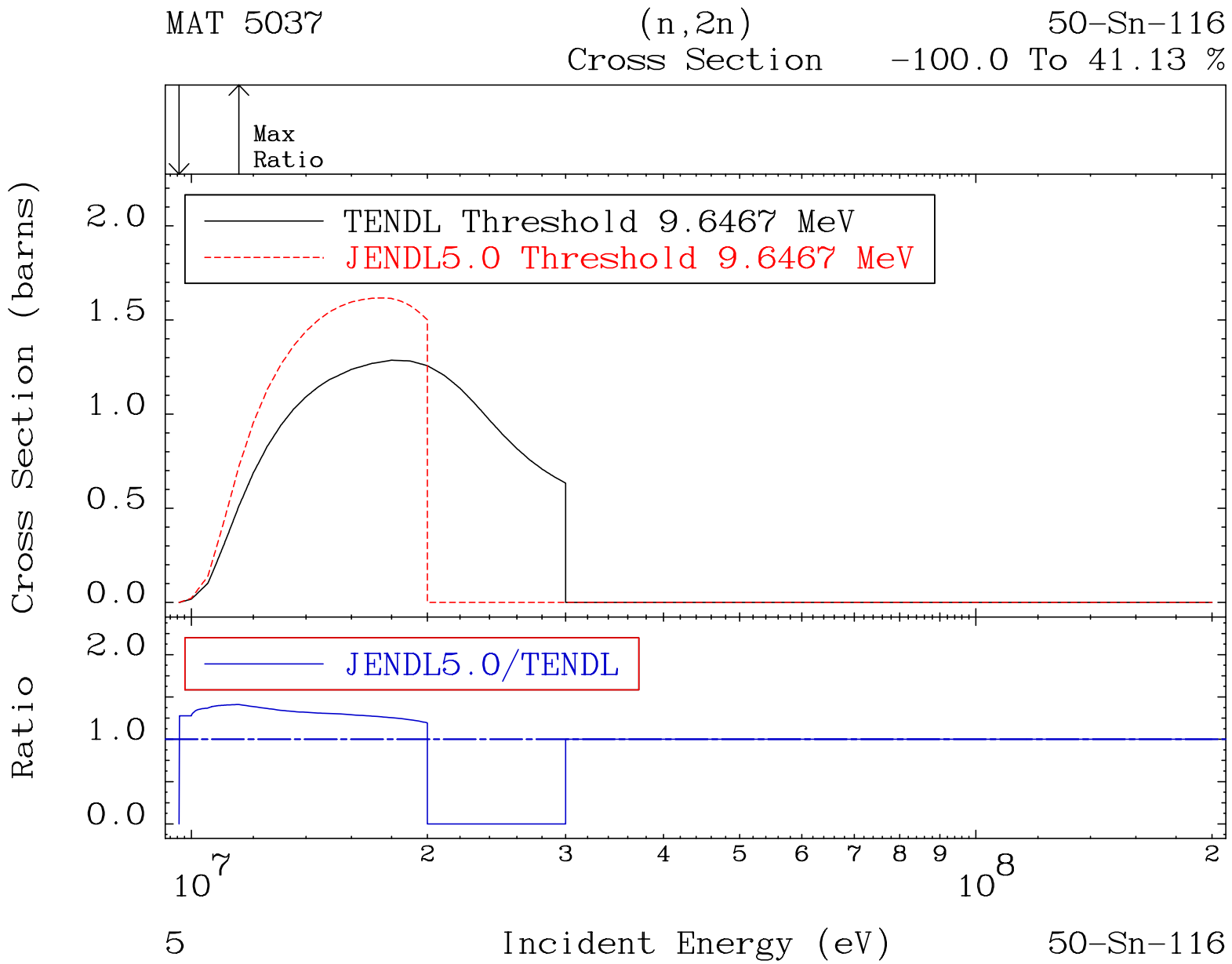
Press Mouse Button to Start

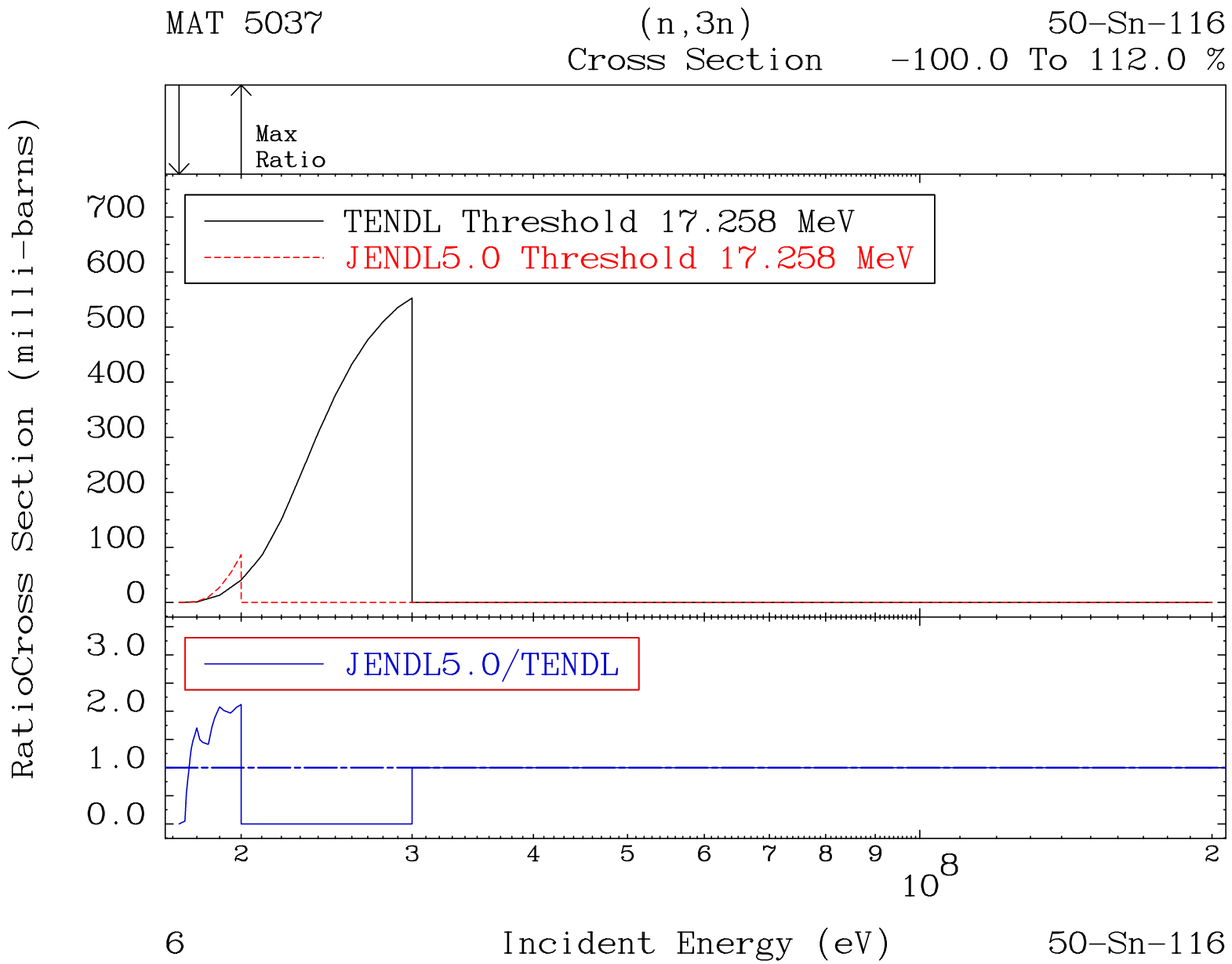

MAT 5037
Total
Cross Section
50-Sn-116
-98.81 To 6727. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
1
50-Sn-116

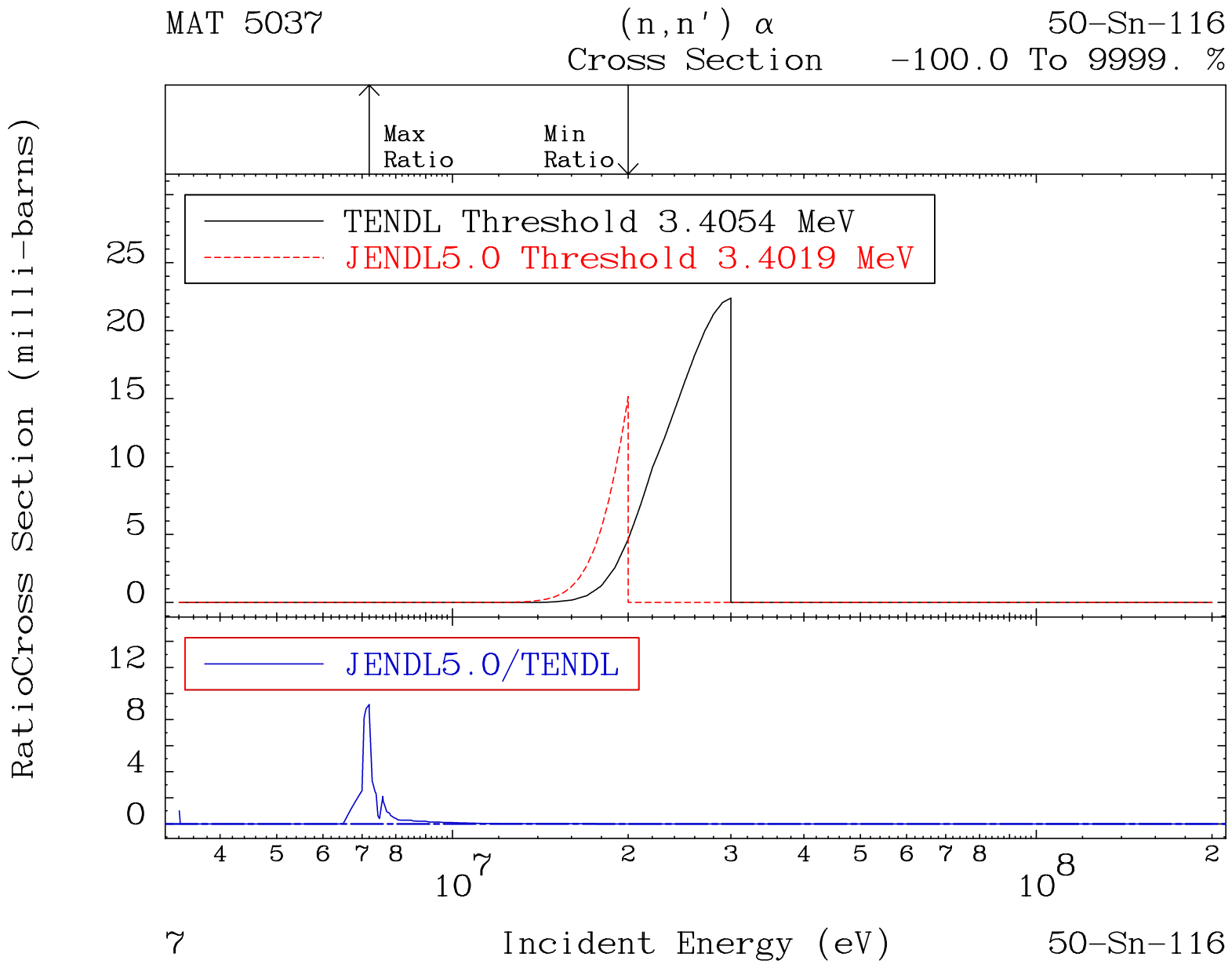

MAT 5037
Elastic
Cross Section
50-Sn-116
-99.97 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
50-Sn-116

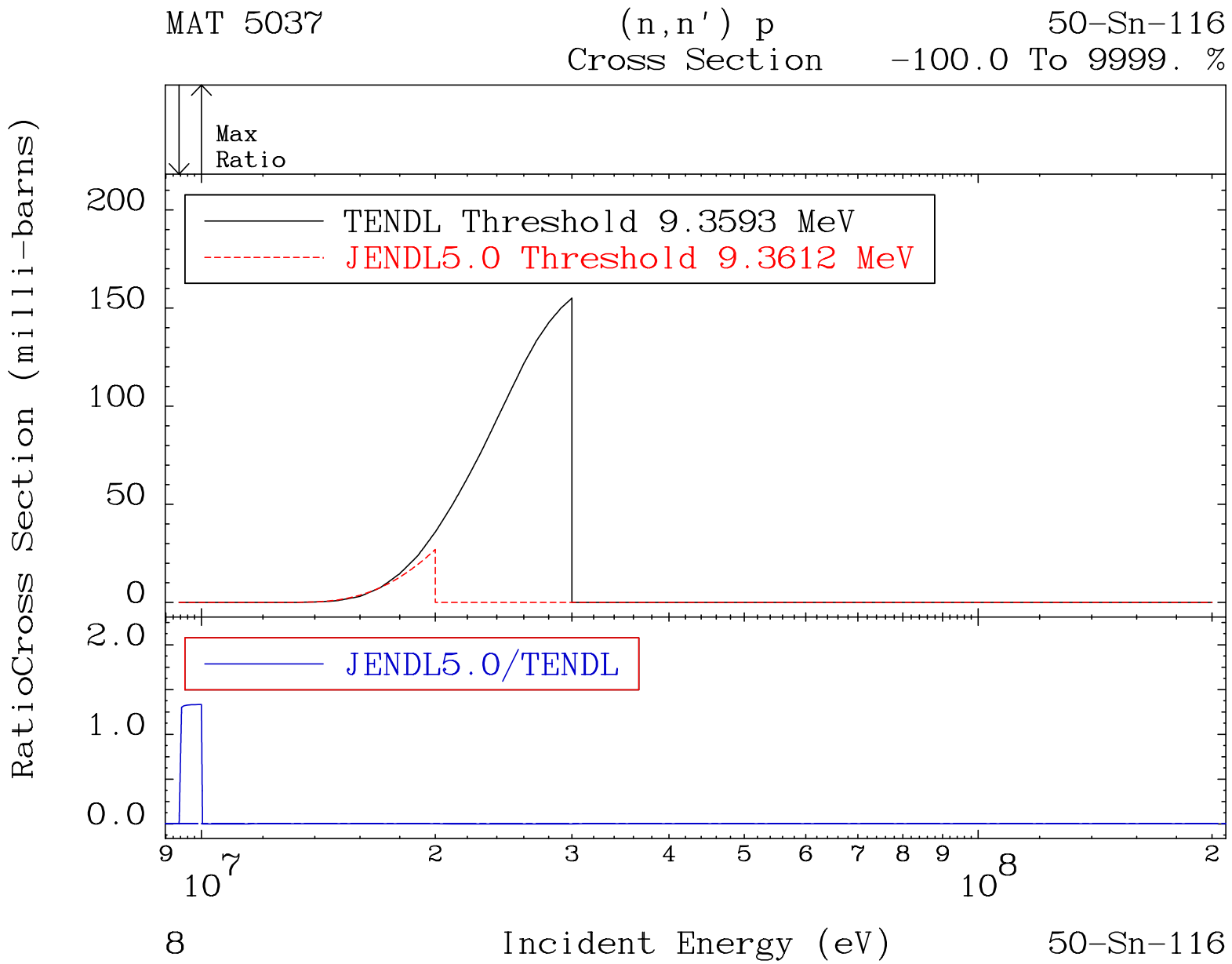

MAT 5037
Inelastic
Cross Section
50-Sn-116
-100.0 To 9999. %
Max
Ratio
Min
Ratio
TENDL Threshold 1.3048 MeV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.2
0.8
0.4
0.0
10^5
10^6
10^7
10^8
Incident Energy (eV)
3
50-Sn-116

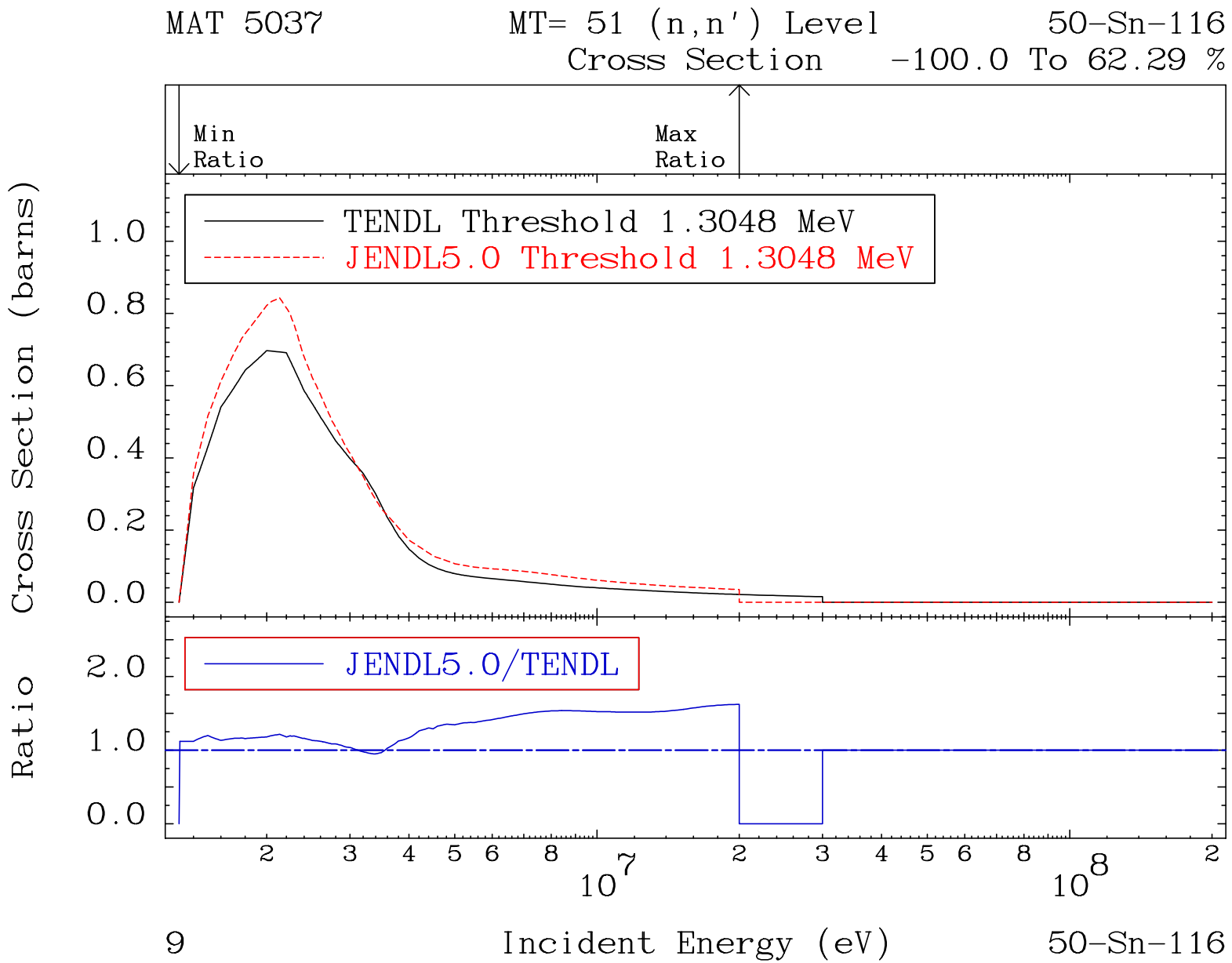

MAT 5037
(n,remainder)
Cross Section
50-Sn-116
-2.623 To -0.281%
Min
Ratio
Max
Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
1.00
0.98
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
50-Sn-116

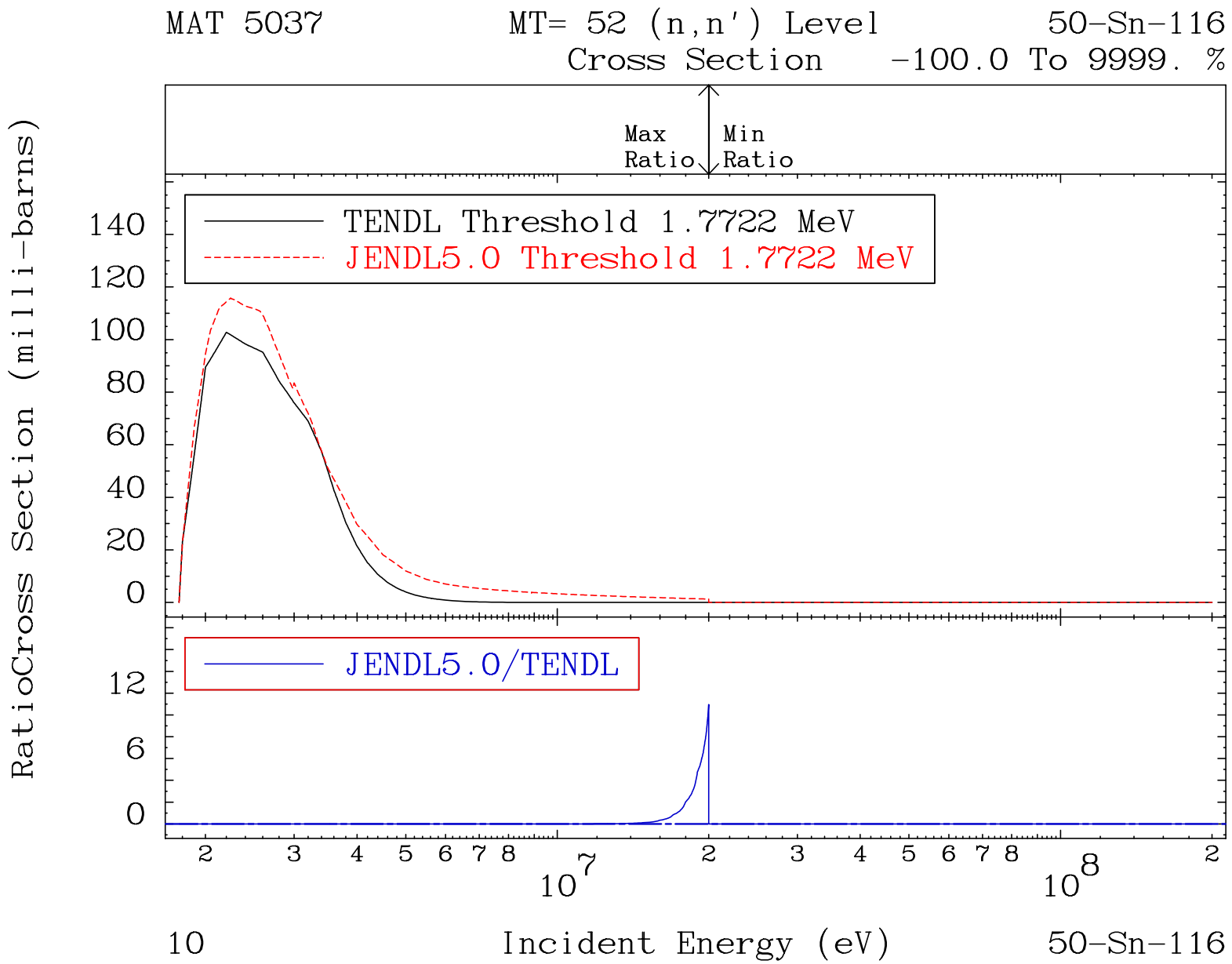

MAT 5037
(n,2n)
Cross Section
50-Sn-116
-100.0 To 41.13 %
Max
Ratio
TENDL Threshold 9.6467 MeV
JENDL5.0 Threshold 9.6467 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
2.0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
50-Sn-116

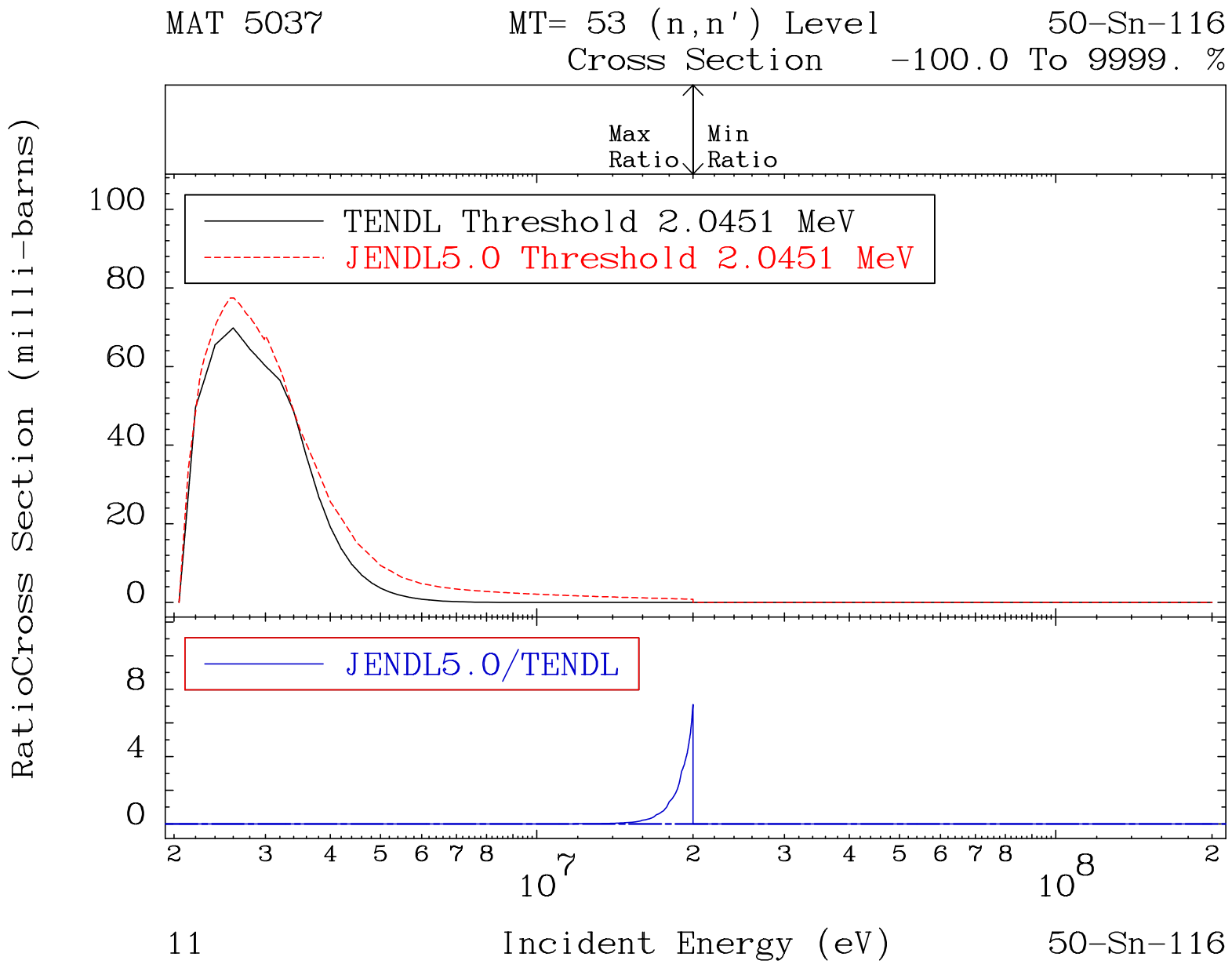

MAT 5037
(n,3n)
50-Sn-116
Cross Section
-100.0 To 112.0 %
Max
Ratio
TENDL Threshold 17.258 MeV
JENDL5.0 Threshold 17.258 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
700
600
500
400
300
200
100
0
3.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
50-Sn-116

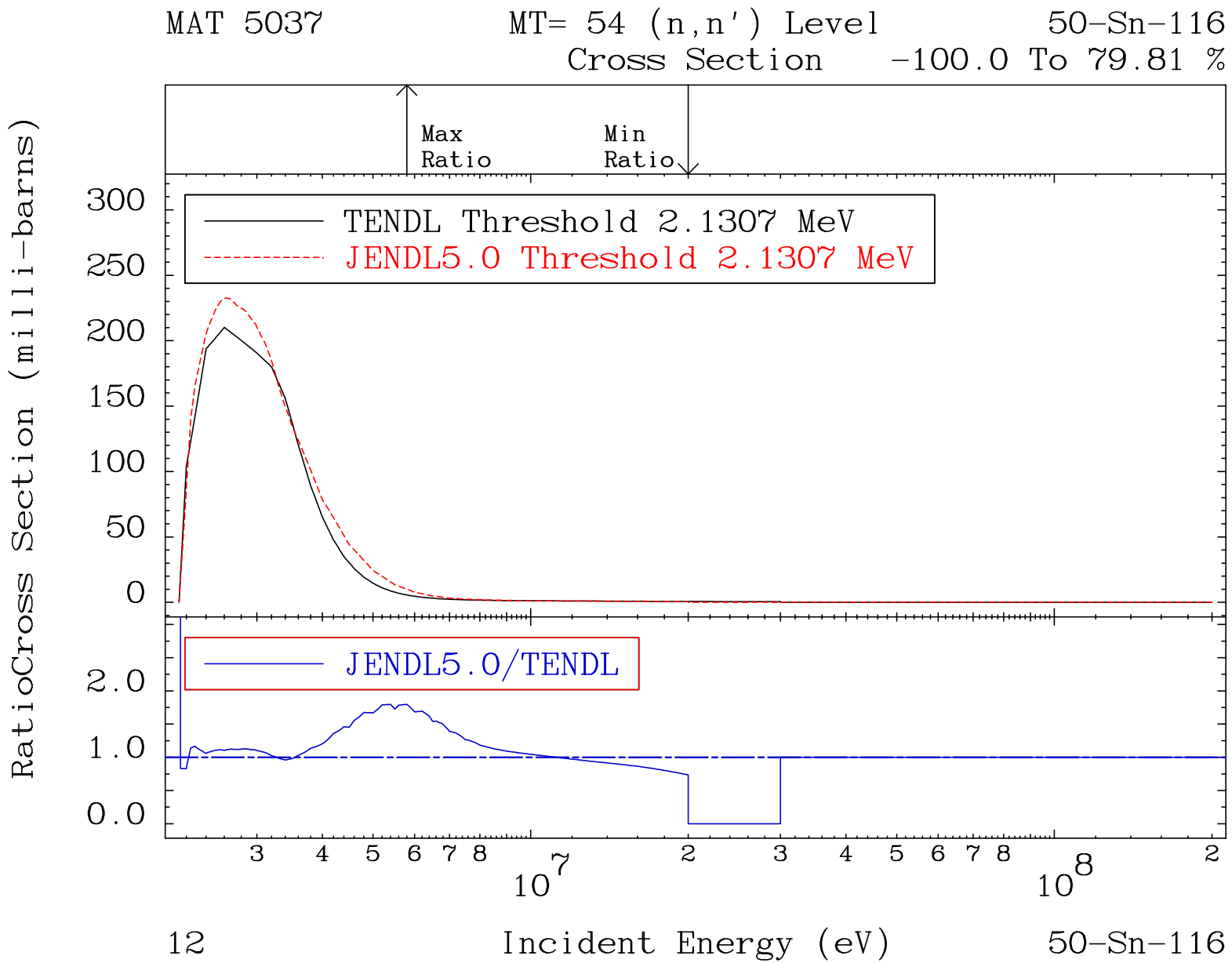

MAT 5037
(n,n') α
Cross Section
50-Sn-116
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.4054 MeV
JENDL5.0 Threshold 3.4019 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
50-Sn-116

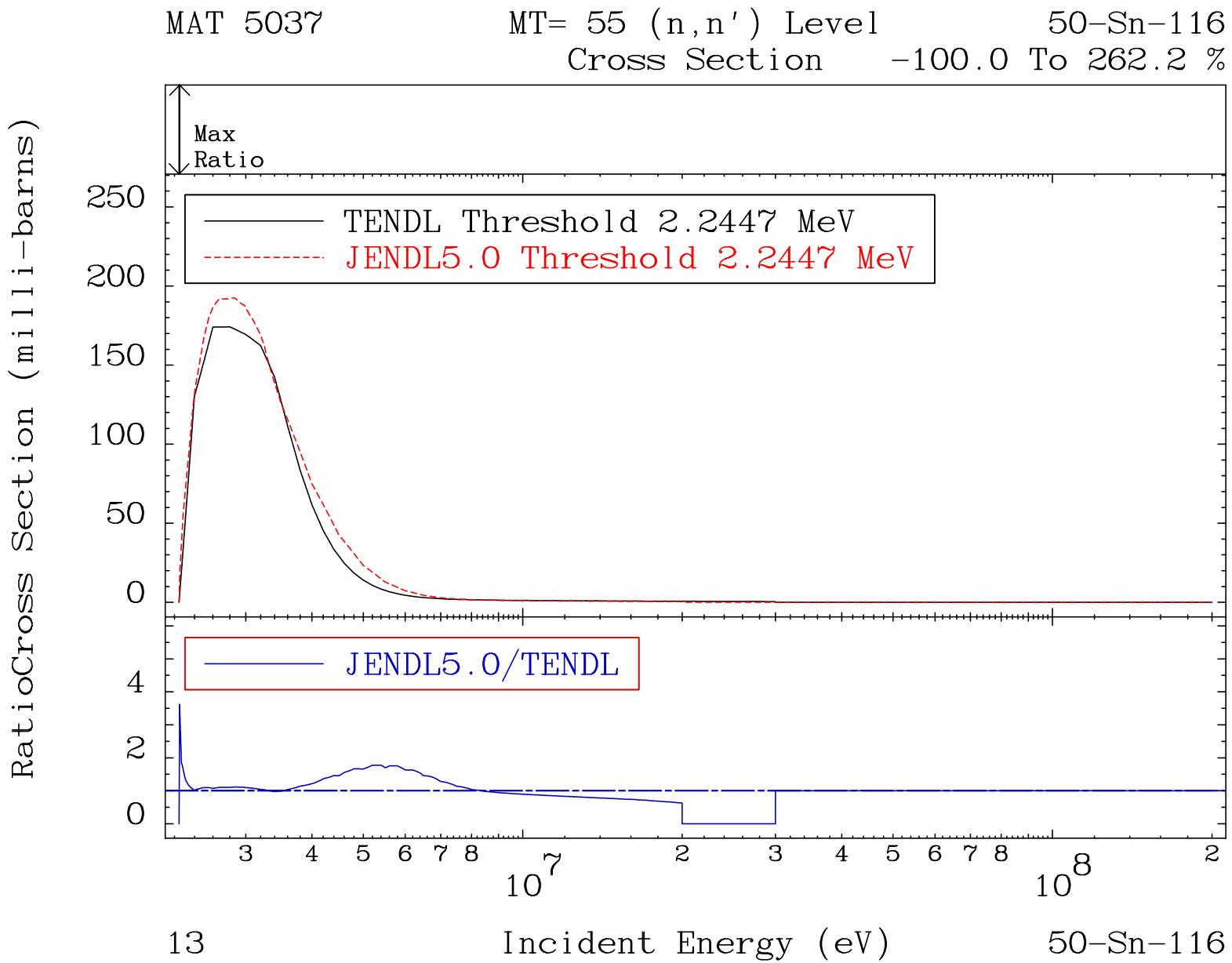

MAT 5037
(n,n') p
Cross Section
50-Sn-116
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 9.3593 MeV
JENDL5.0 Threshold 9.3612 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.0
0.0
9
2
3
4
5
6
7
8
9
2
10^7
10^8
Incident Energy (eV)
50-Sn-116

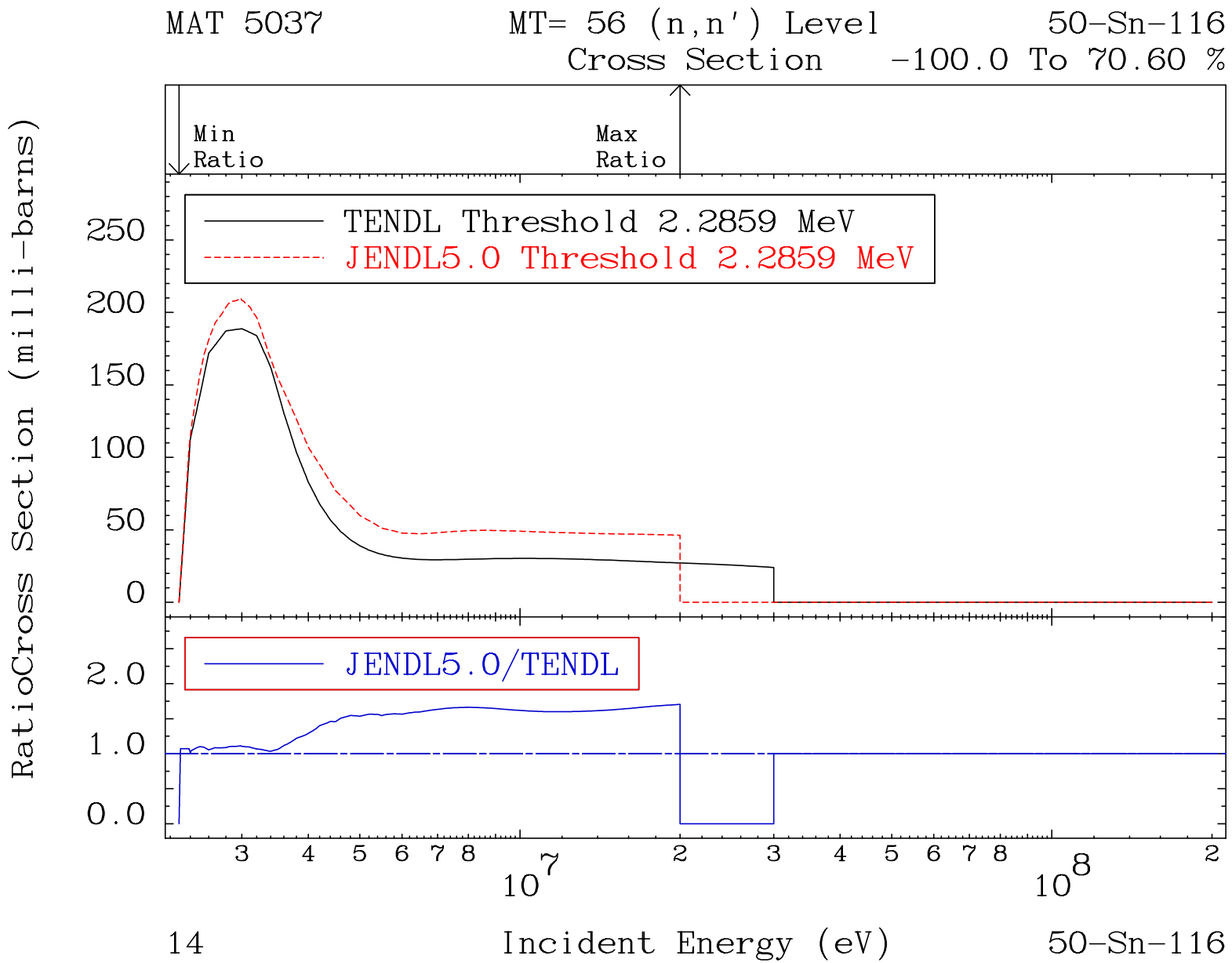

MAT 5037
MT= 51 (n,n') Level
50-Sn-116
Cross Section
-100.0 To 62.29 %
Min Ratio
Max Ratio
TENDL Threshold 1.3048 MeV
JENDL5.0 Threshold 1.3048 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
9
Incident Energy (eV)
50-Sn-116

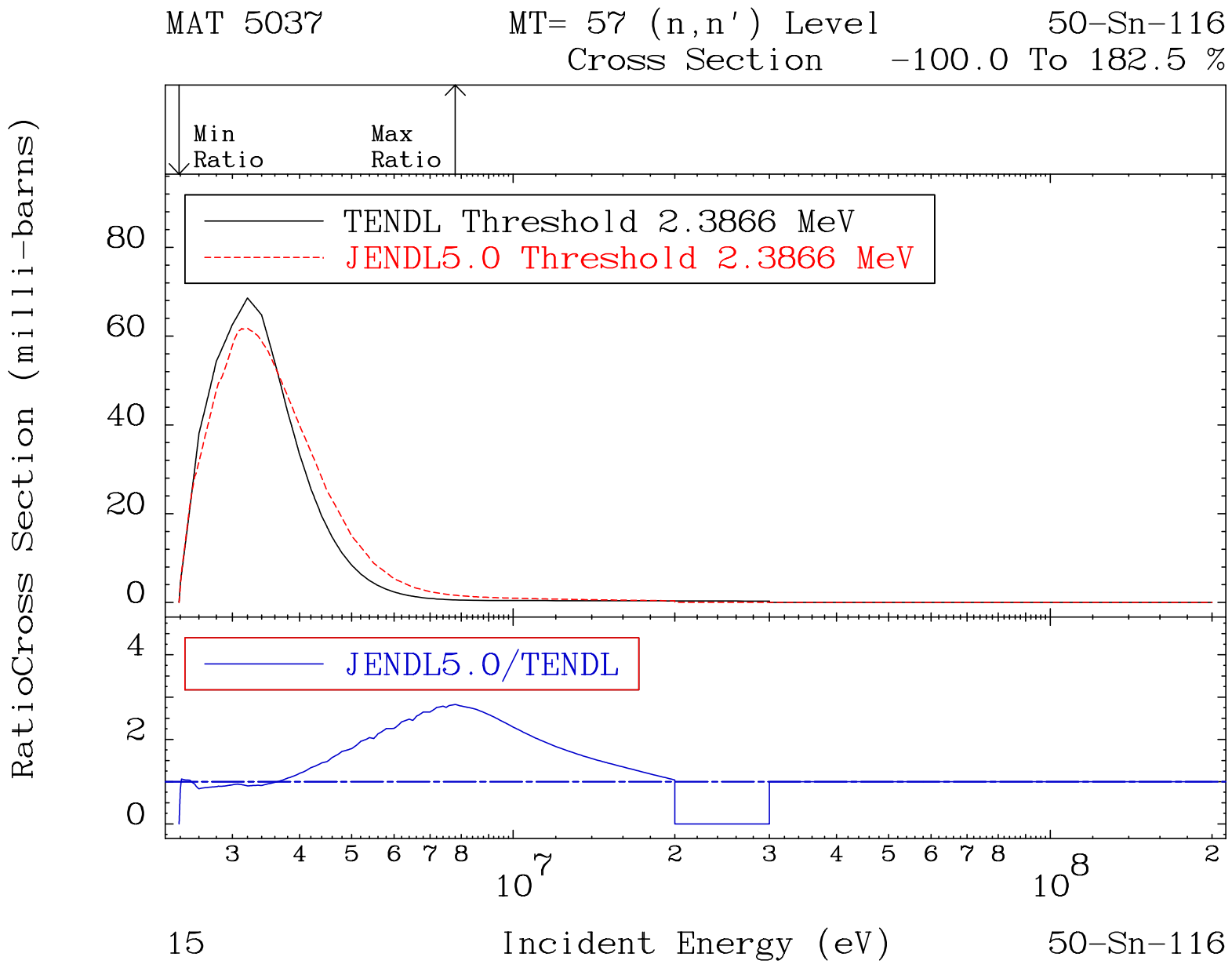

MAT 5037
MT= 52 (n,n') Level
50-Sn-116
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.7722 MeV
JENDL5.0 Threshold 1.7722 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
12
6
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
10
Incident Energy (eV)
50-Sn-116

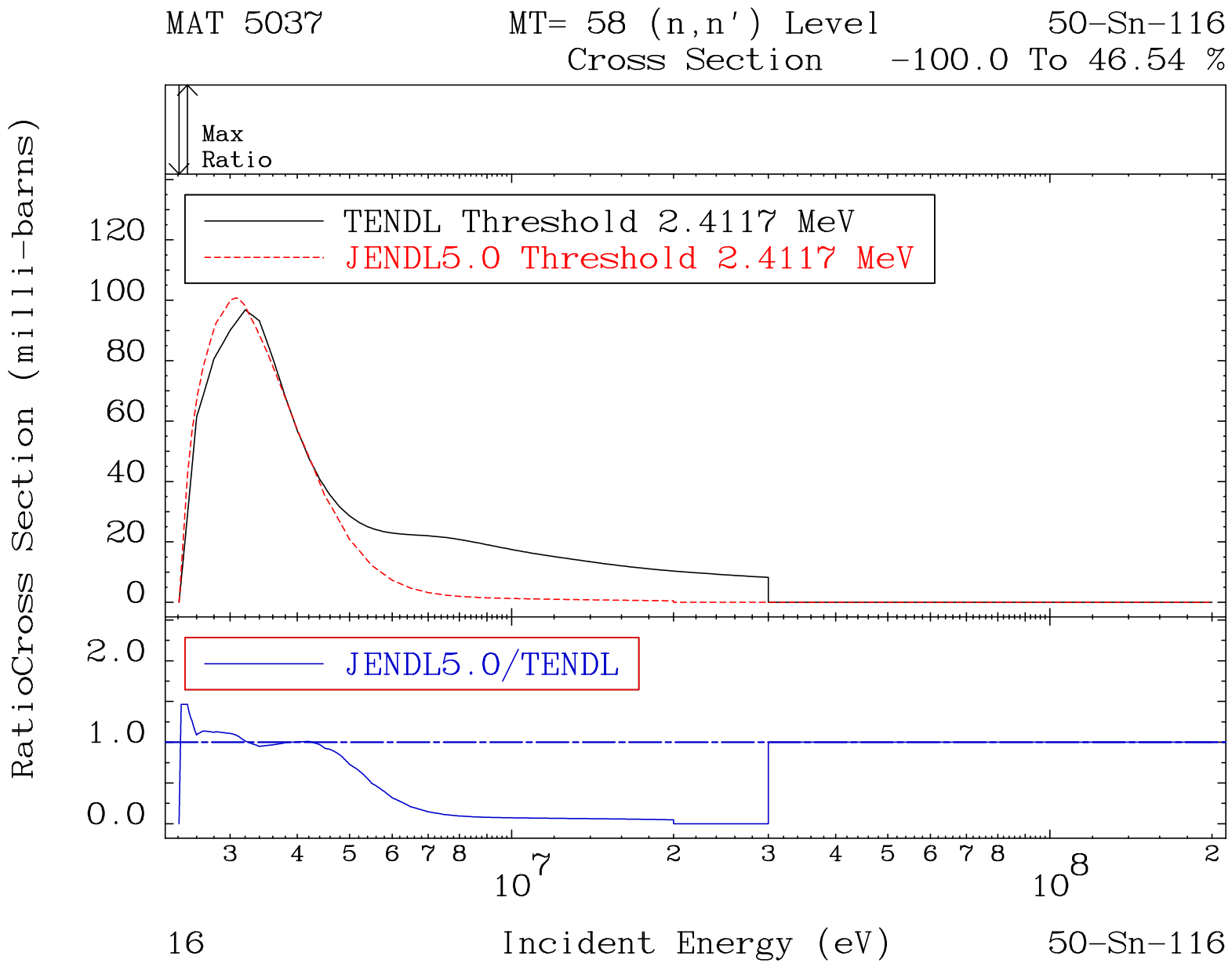

MAT 5037
MT= 53 (n,n') Level
50-Sn-116
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.0451 MeV
JENDL5.0 Threshold 2.0451 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
8
4
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
11
Incident Energy (eV)
50-Sn-116

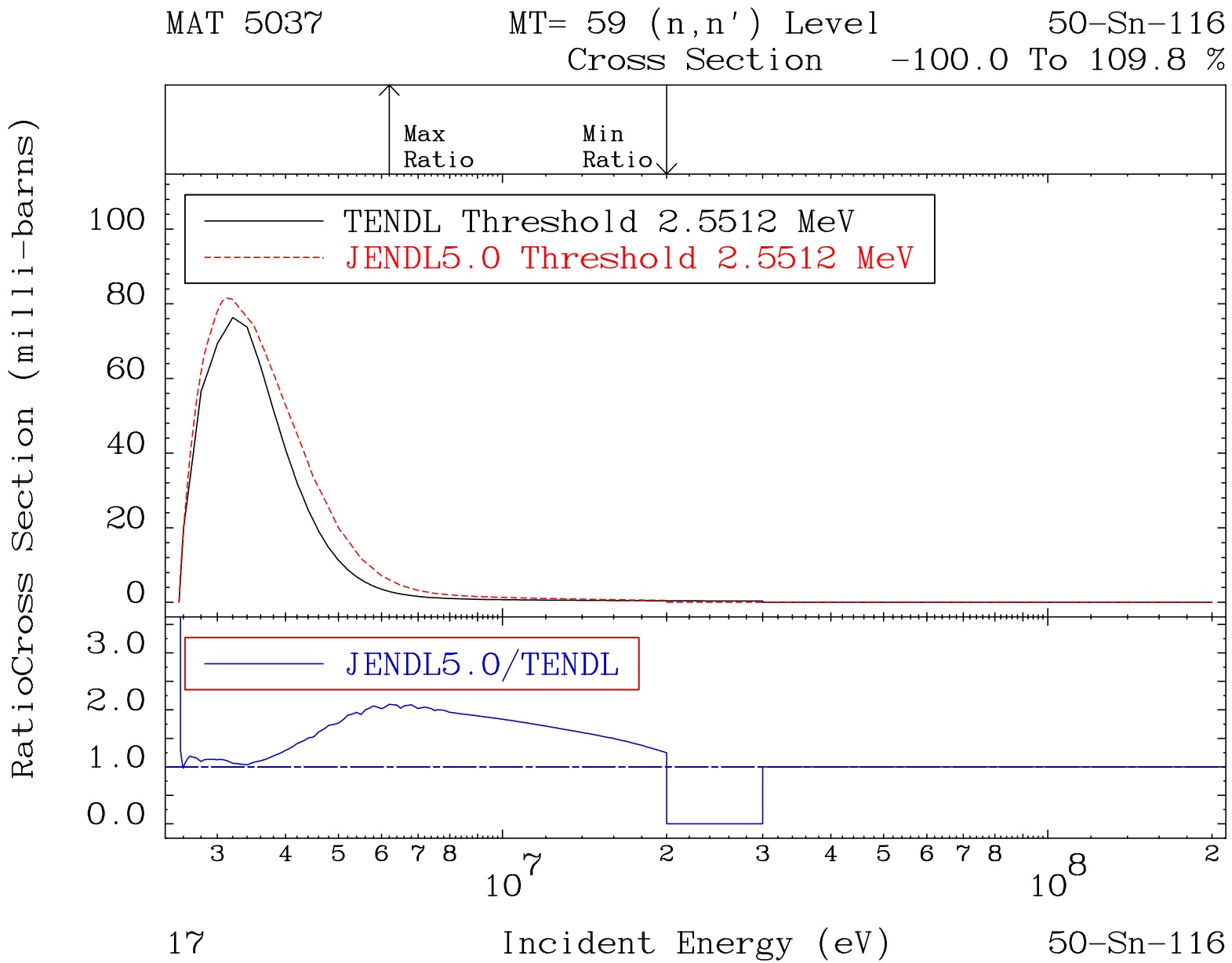

MAT 5037
MT= 54 (n,n') Level
50-Sn-116
Cross Section -100.0 To 79.81 %
Max Ratio
Min Ratio
TENDL Threshold 2.1307 MeV
JENDL5.0 Threshold 2.1307 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
50-Sn-116

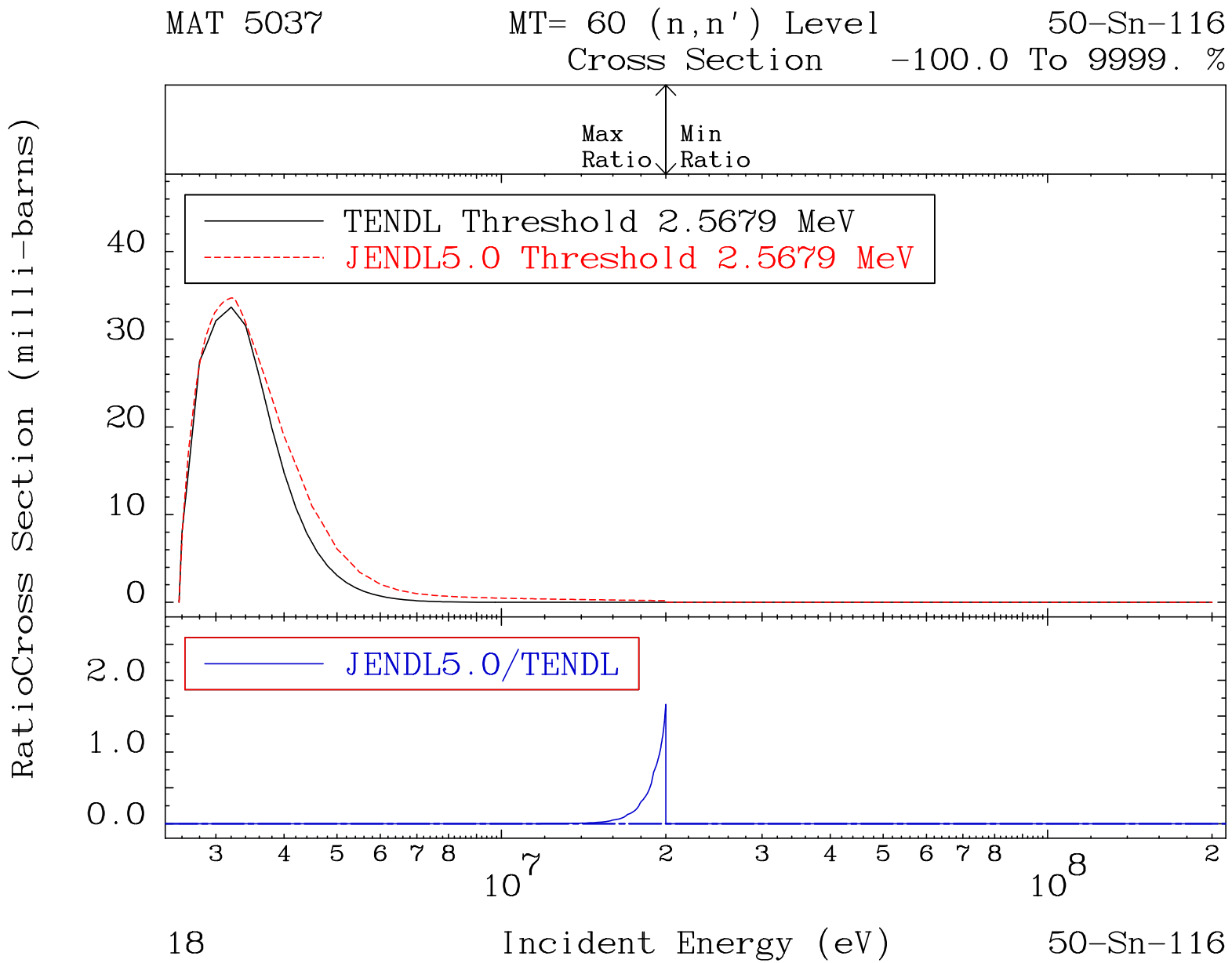

MAT 5037
MT= 55 (n,n') Level
50-Sn-116
Cross Section
-100.0 To 262.2 %
Max
Ratio
TENDL Threshold 2.2447 MeV
JENDL5.0 Threshold 2.2447 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
4
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
50-Sn-116

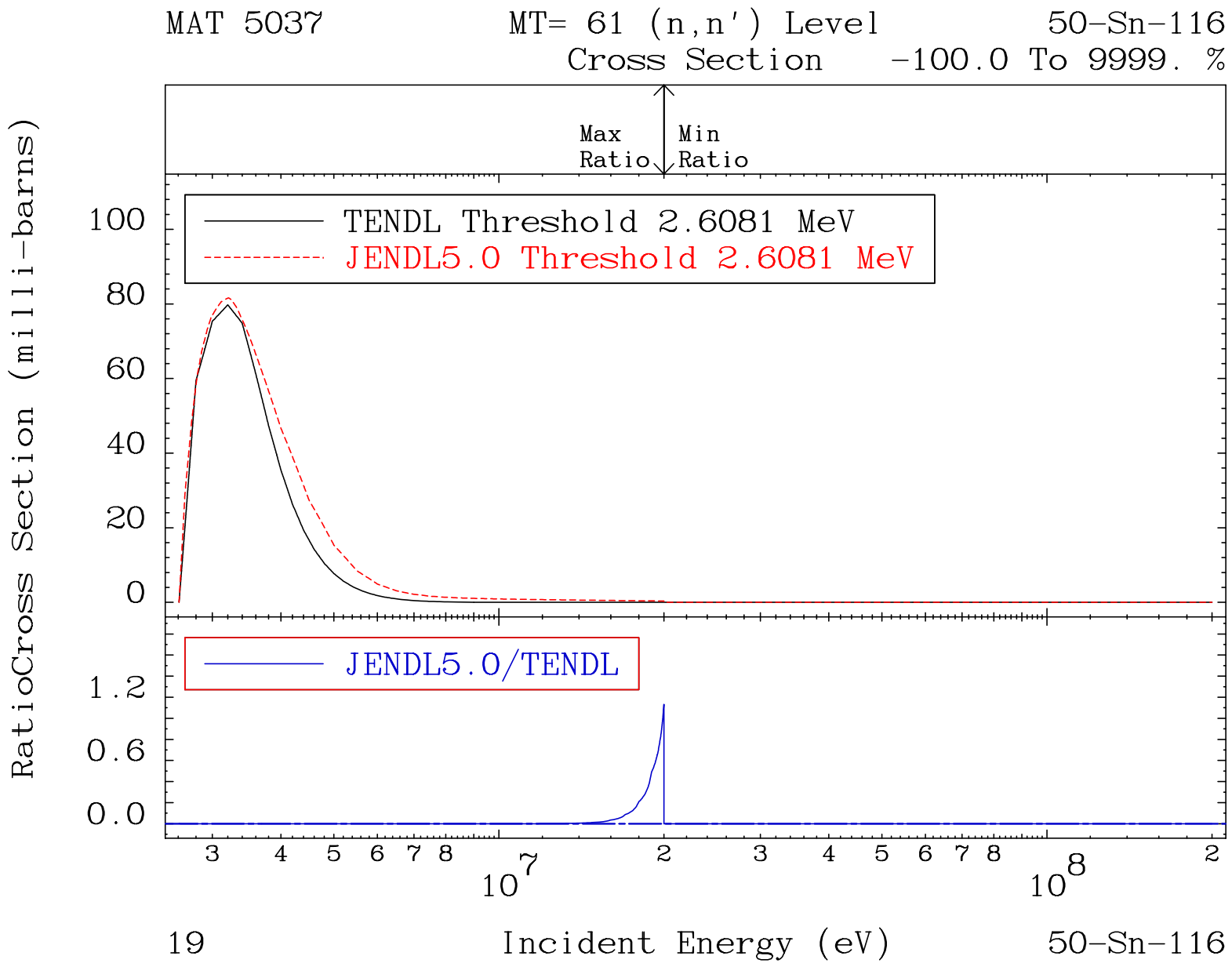

MAT 5037
MT= 56 (n,n') Level
50-Sn-116
Cross Section
-100.0 To 70.60 %
Min Ratio
Max Ratio
TENDL Threshold 2.2859 MeV
JENDL5.0 Threshold 2.2859 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
50-Sn-116

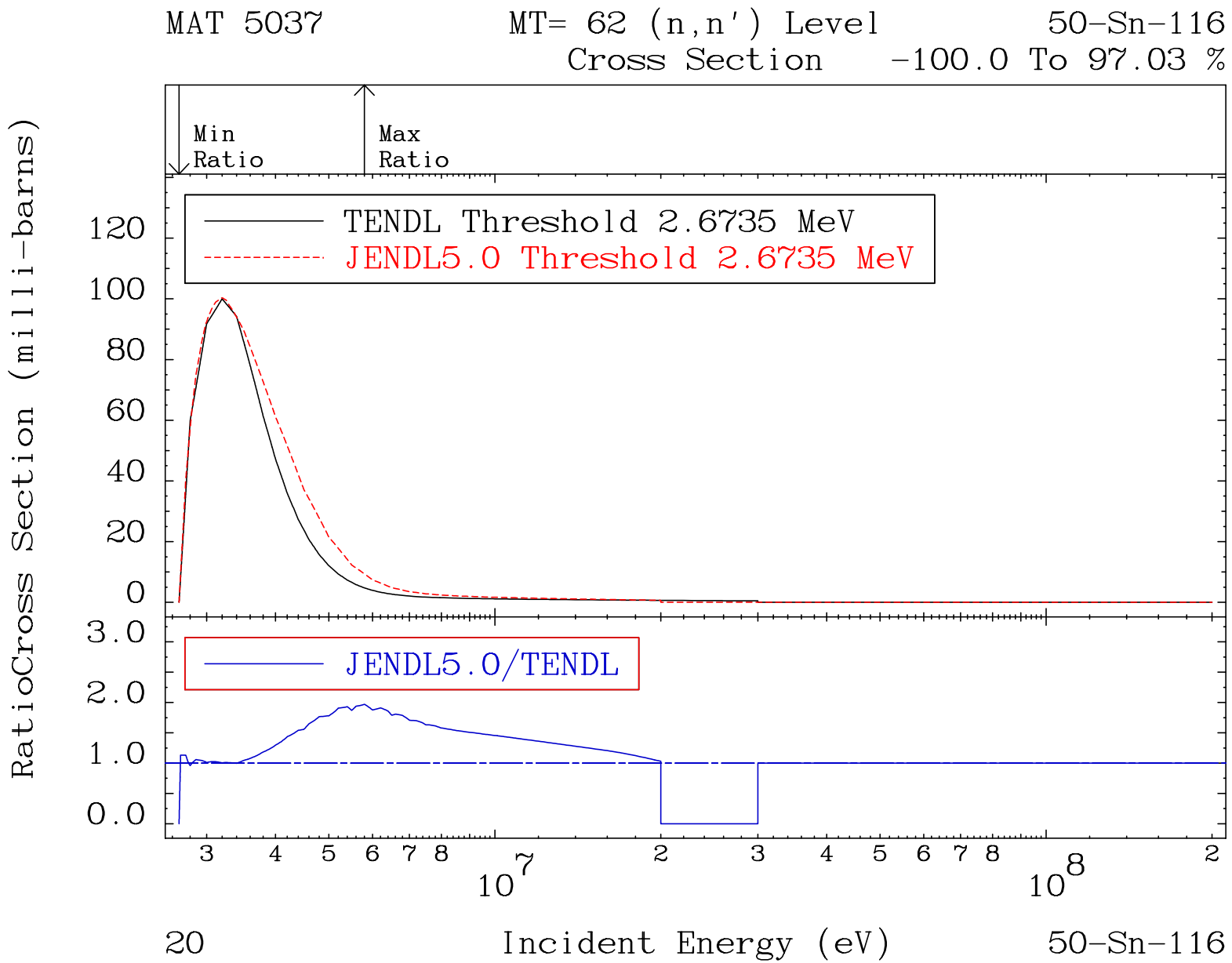

MAT 5037
MT= 57 (n,n') Level
50-Sn-116
Cross Section
-100.0 To 182.5 %
Min Ratio
Max Ratio
TENDL Threshold 2.3866 MeV
JENDL5.0 Threshold 2.3866 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
4
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
50-Sn-116

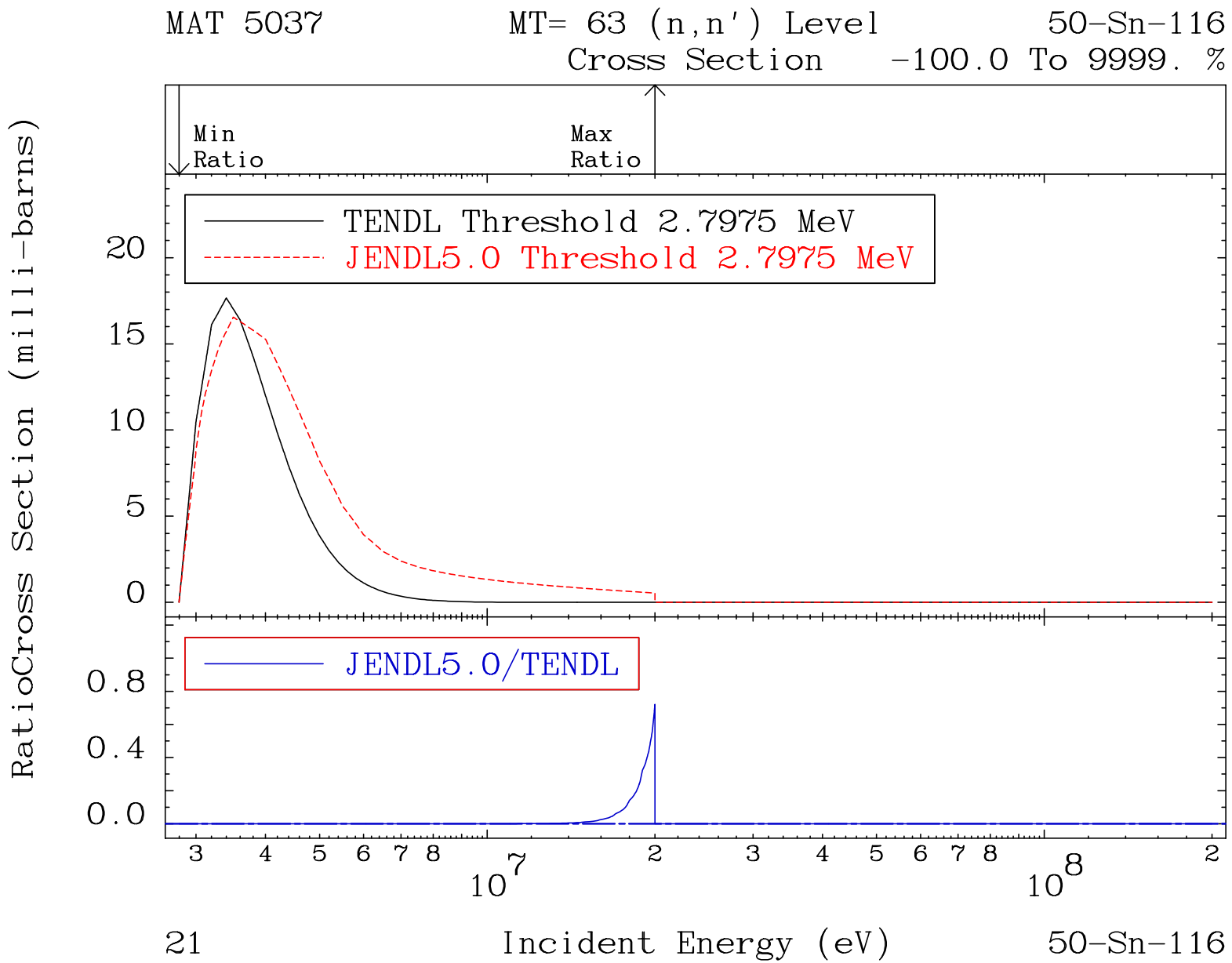

MAT 5037
MT= 58 (n,n') Level
50-Sn-116
Cross Section
-100.0 To 46.54 %
Max
Ratio
TENDL Threshold 2.4117 MeV
JENDL5.0 Threshold 2.4117 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
50-Sn-116

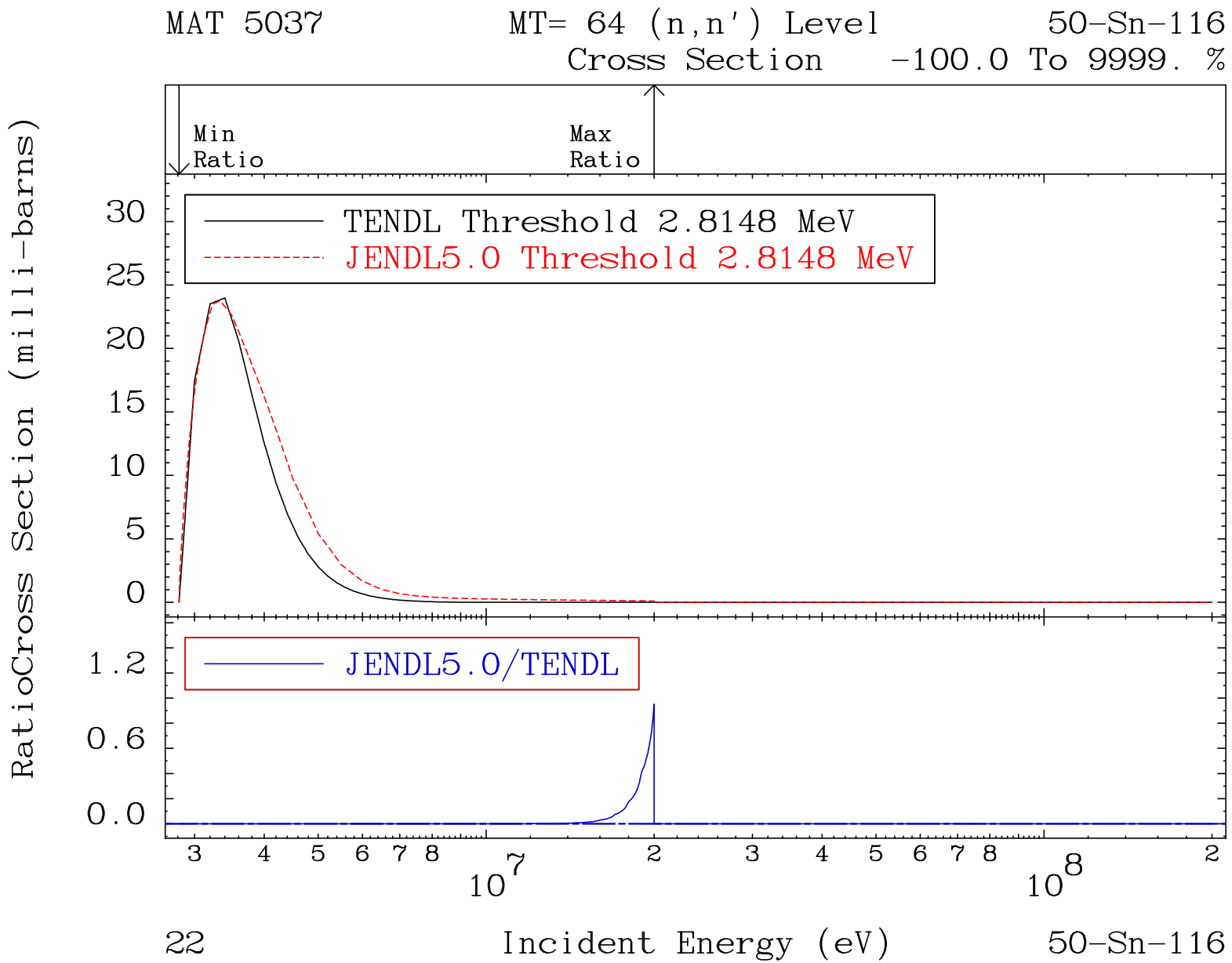

MAT 5037
MT= 59 (n,n') Level
50-Sn-116
Cross Section
-100.0 To 109.8 %
Max Ratio
Min Ratio
TENDL Threshold 2.5512 MeV
JENDL5.0 Threshold 2.5512 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
50-Sn-116

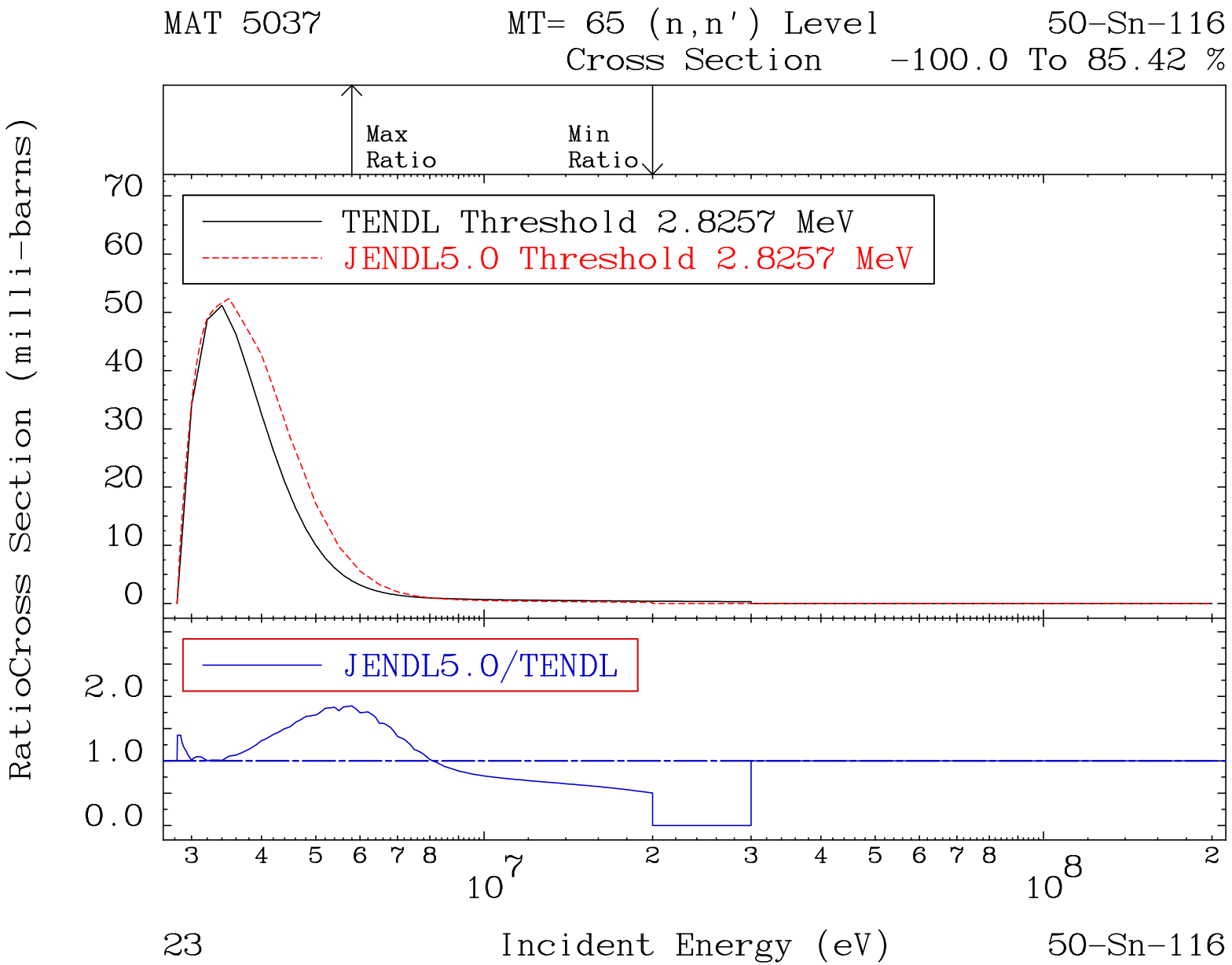

MAT 5037
MT= 60 (n,n') Level
50-Sn-116
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.5679 MeV
JENDL5.0 Threshold 2.5679 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
50-Sn-116

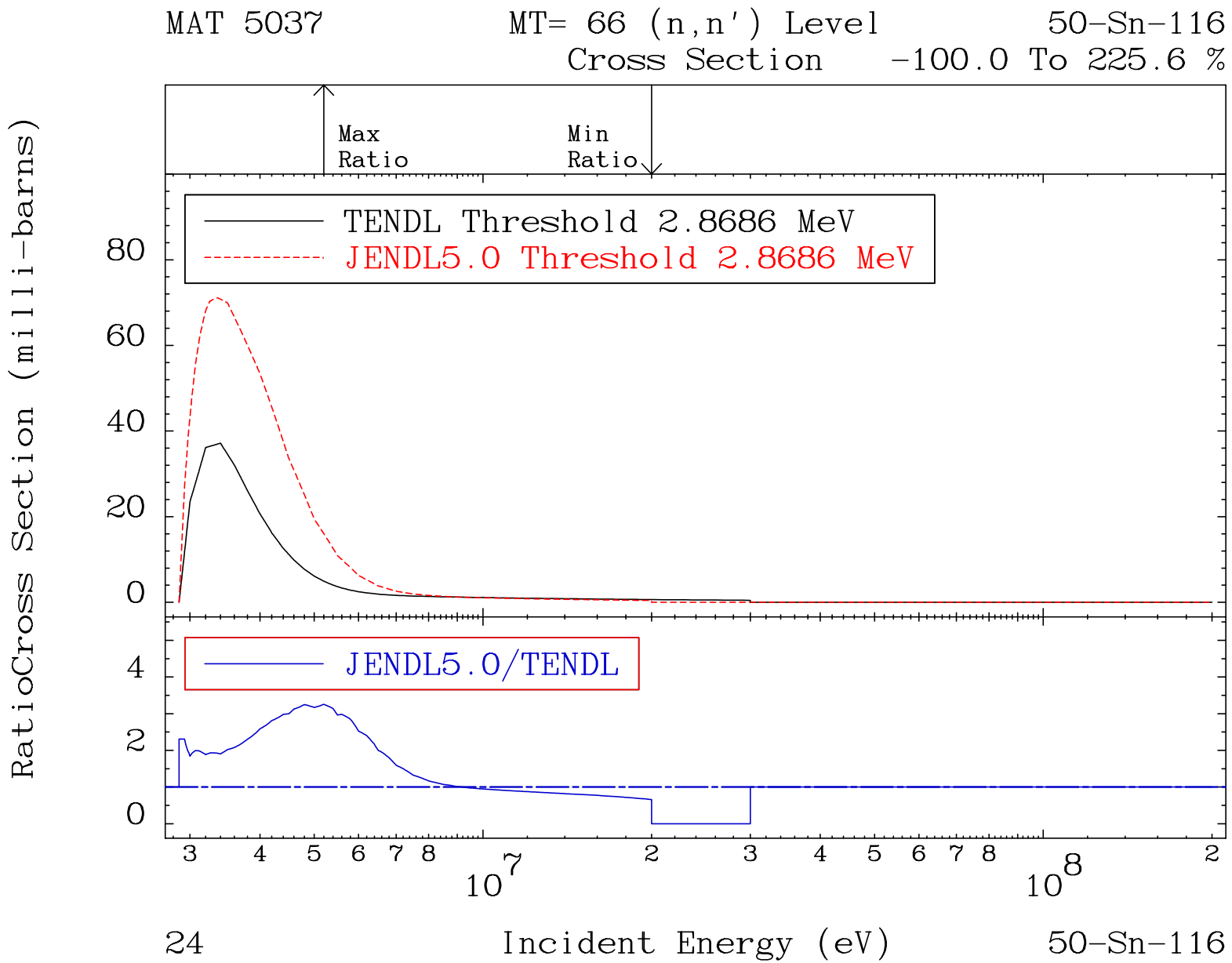

MAT 5037
MT= 61 (n,n') Level
50-Sn-116
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.6081 MeV
JENDL5.0 Threshold 2.6081 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
19
Incident Energy (eV)
50-Sn-116

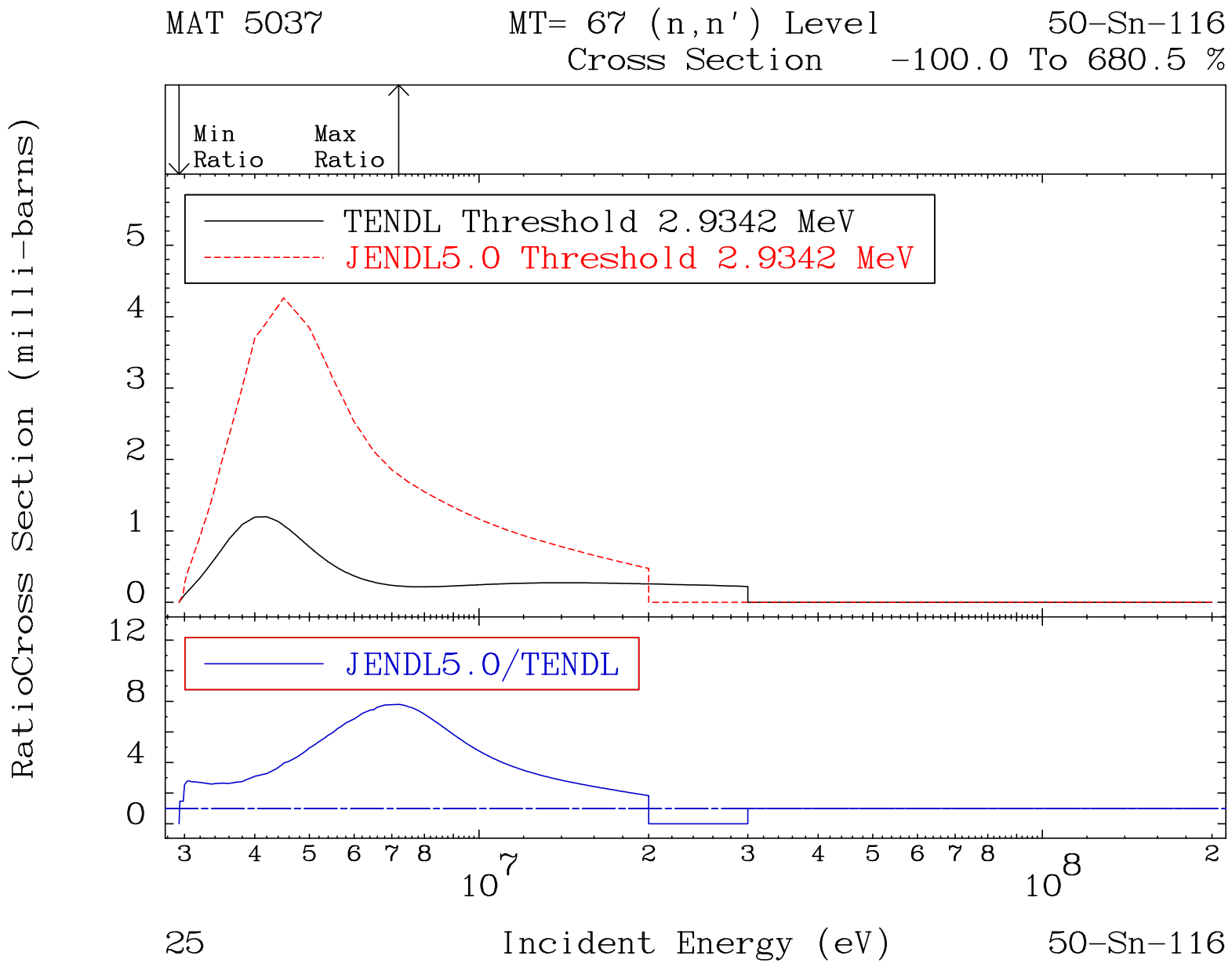

MAT 5037
MT= 62 (n,n') Level
50-Sn-116
Cross Section
-100.0 To 97.03 %
Min Ratio
Max Ratio
TENDL Threshold 2.6735 MeV
JENDL5.0 Threshold 2.6735 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
20
Incident Energy (eV)
50-Sn-116

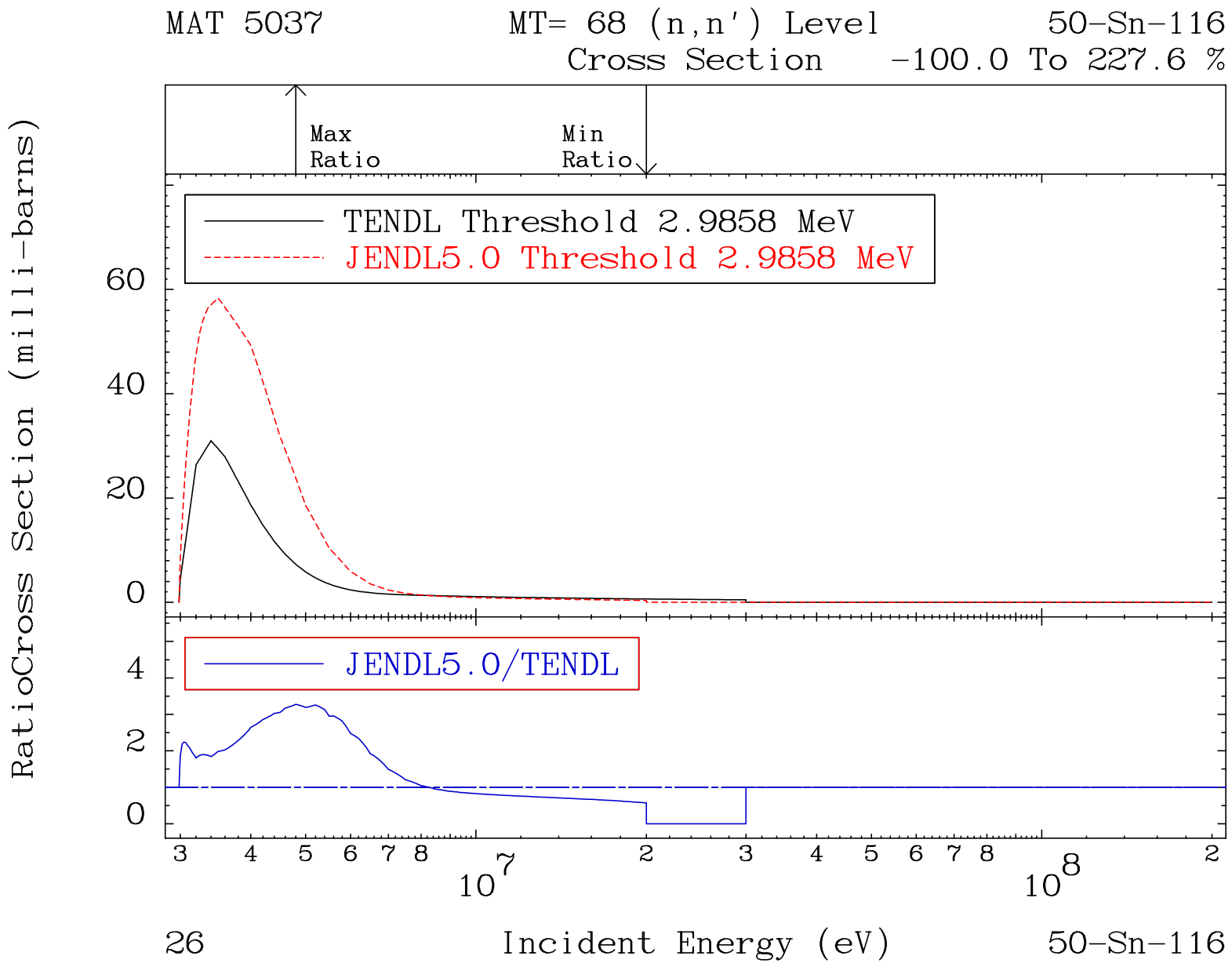

MAT 5037
MT= 63 (n,n') Level
50-Sn-116
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.7975 MeV
JENDL5.0 Threshold 2.7975 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
0.8
0.4
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
21
Incident Energy (eV)
50-Sn-116

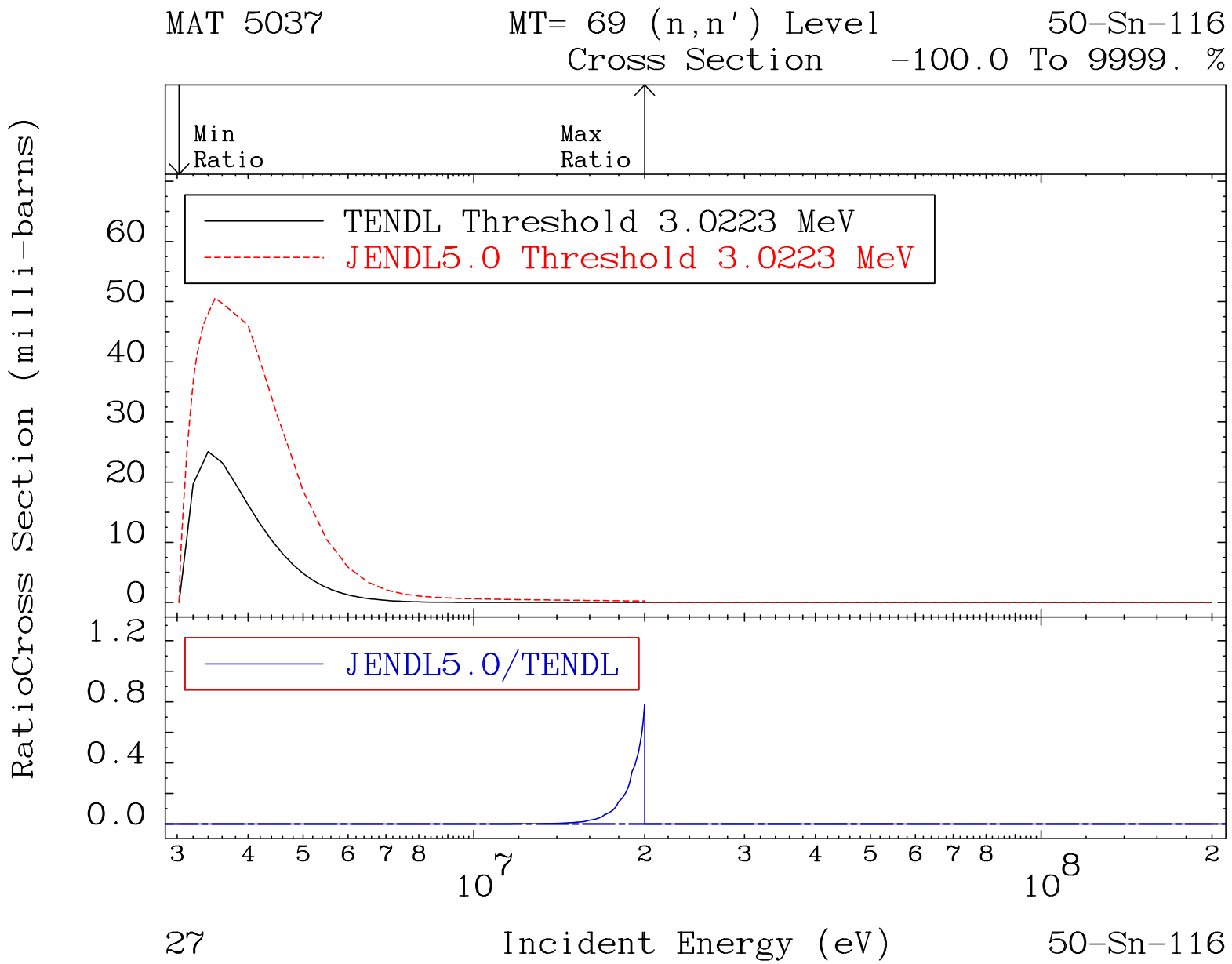

MAT 5037
MT= 64 (n,n') Level
50-Sn-116
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.8148 MeV
JENDL5.0 Threshold 2.8148 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
1.2
0.6
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
50-Sn-116

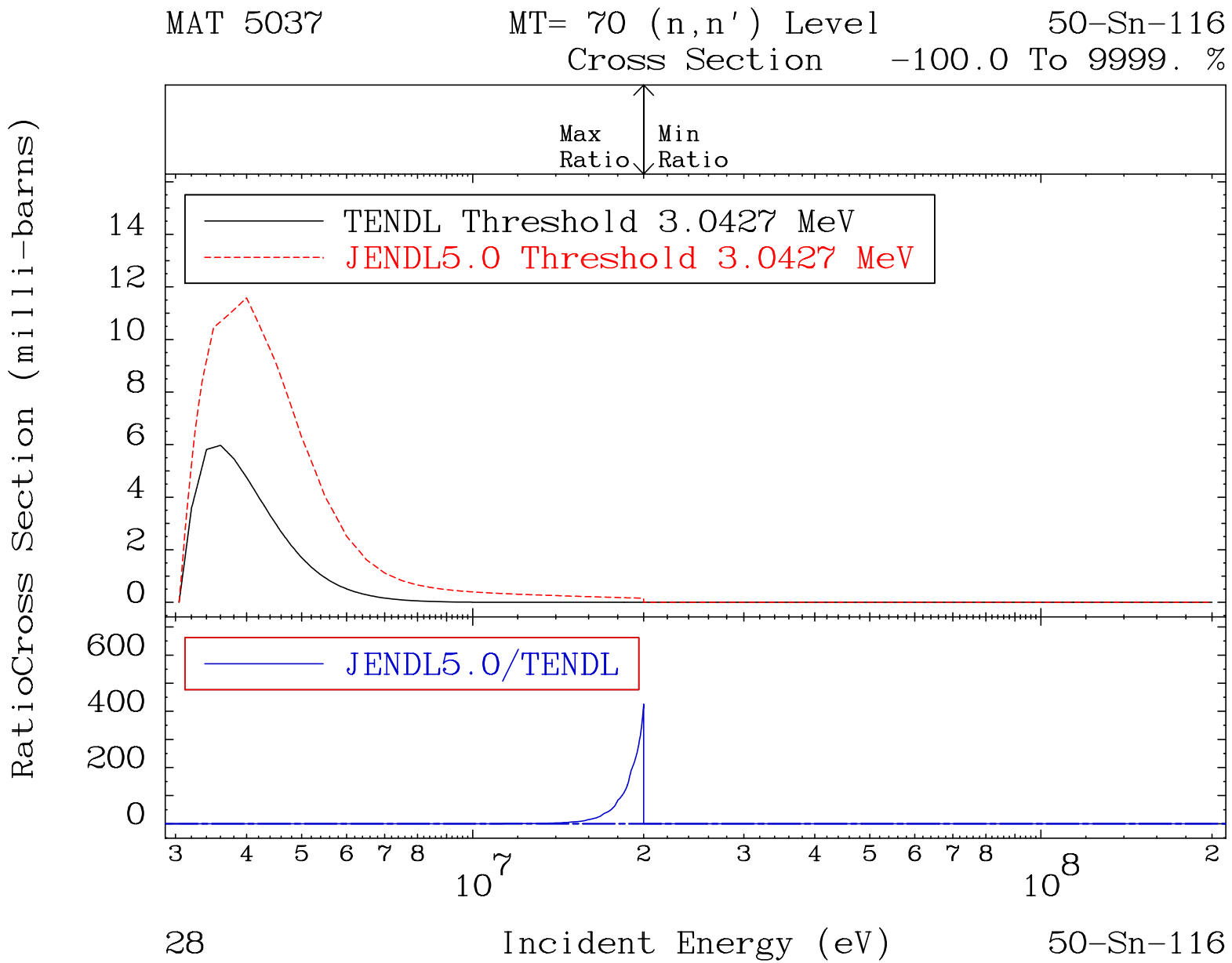

MAT 5037
MT= 65 (n,n') Level
50-Sn-116
Cross Section -100.0 To 85.42 %
Max Ratio
Min Ratio
TENDL Threshold 2.8257 MeV
JENDL5.0 Threshold 2.8257 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
50-Sn-116

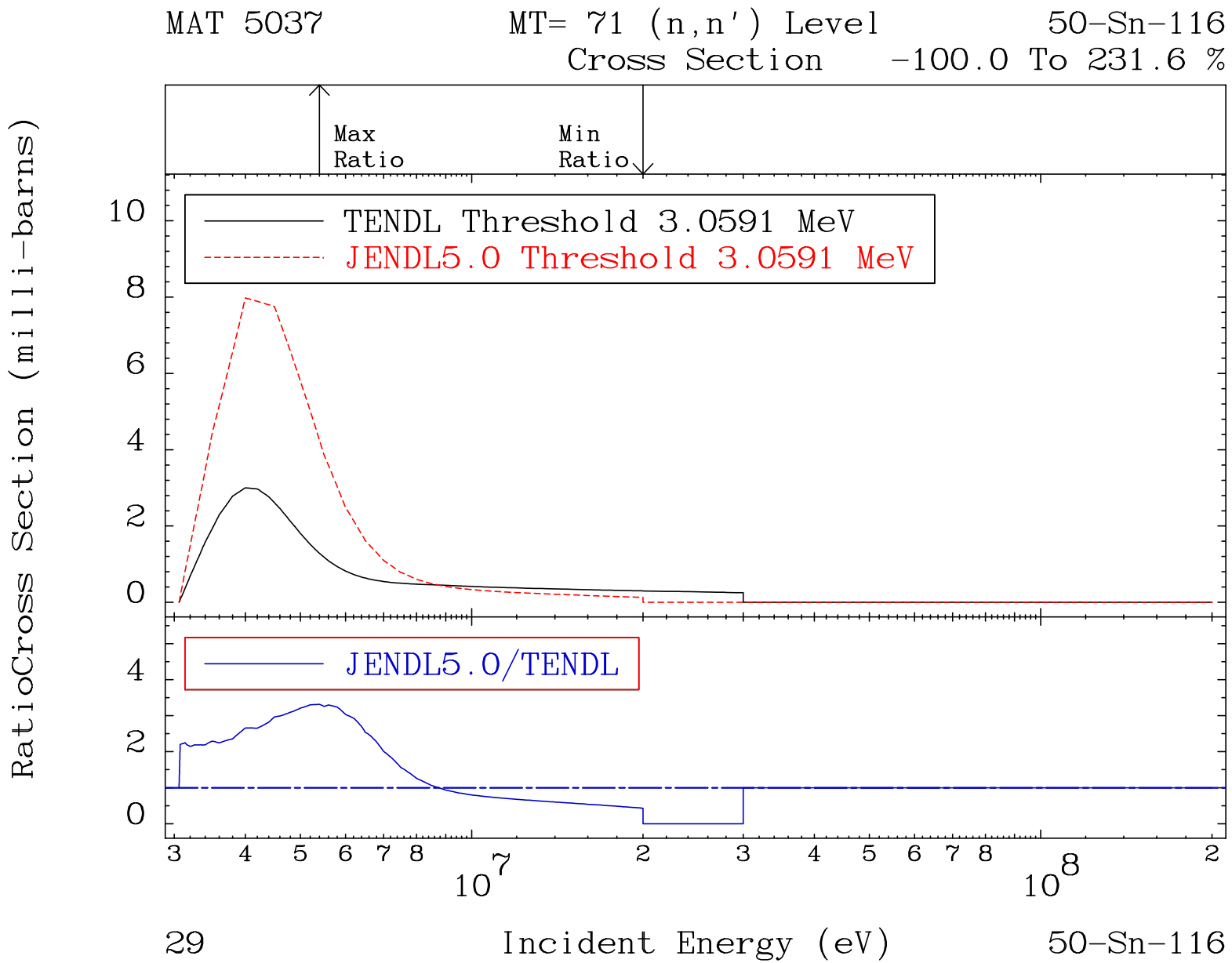

MAT 5037
MT= 66 (n,n') Level
50-Sn-116
Cross Section
-100.0 To 225.6 %
Max Ratio
Min Ratio
TENDL Threshold 2.8686 MeV
JENDL5.0 Threshold 2.8686 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
4
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
50-Sn-116

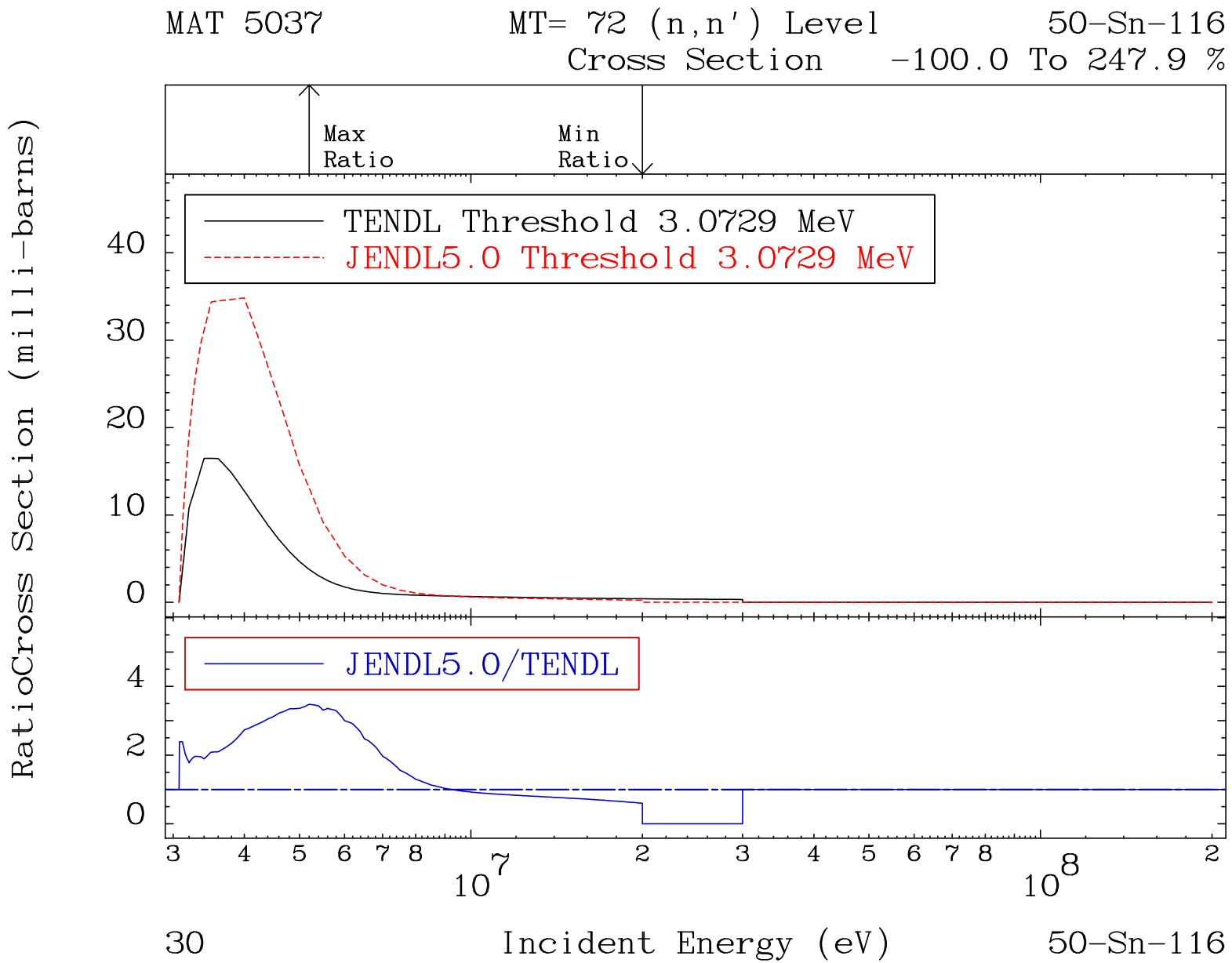

MAT 5037
MT= 67 (n,n') Level
50-Sn-116
Cross Section
-100.0 To 680.5 %
Min Ratio
Max Ratio
TENDL Threshold 2.9342 MeV
JENDL5.0 Threshold 2.9342 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
25
50-Sn-116

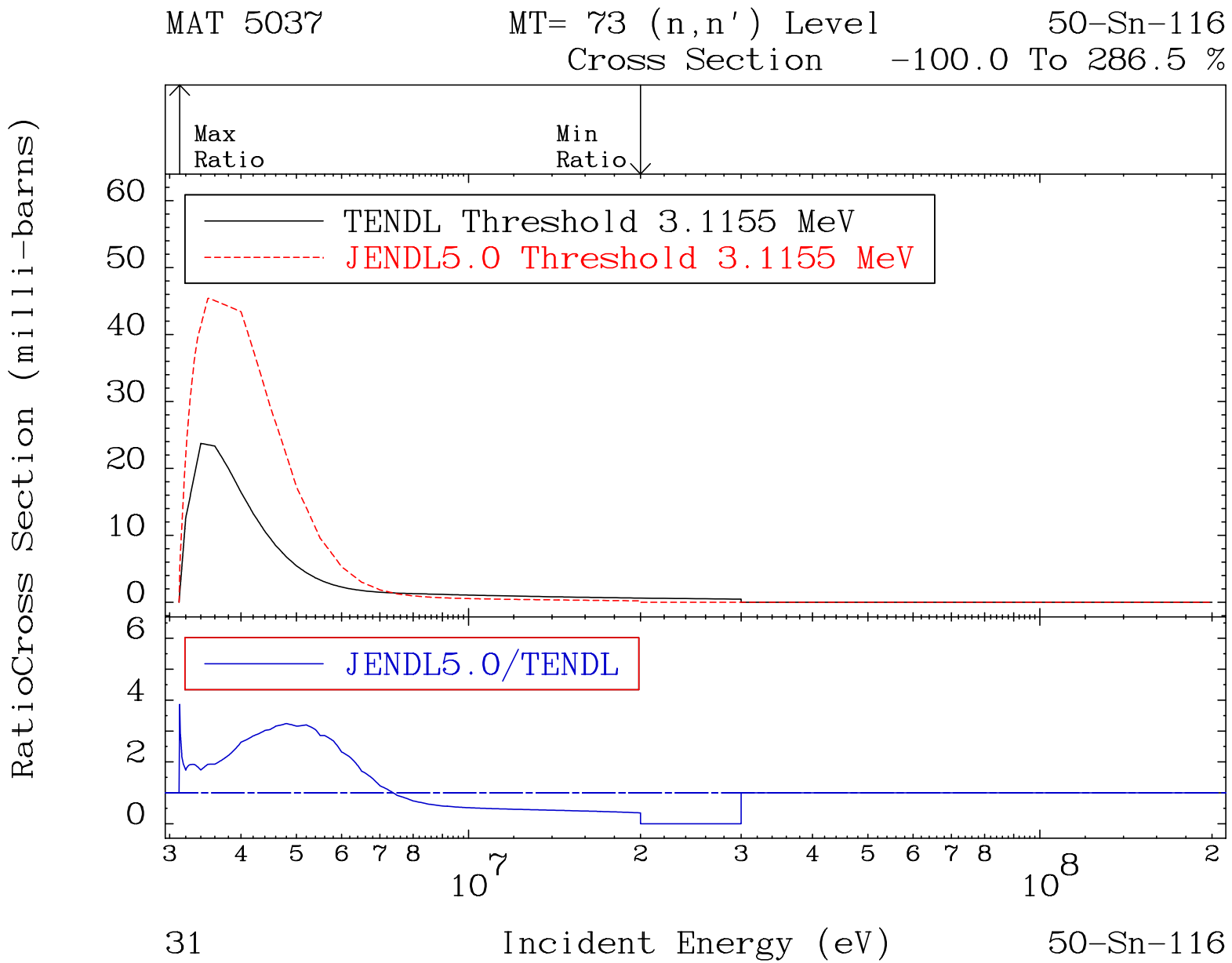

MAT 5037
MT= 68 (n,n') Level
50-Sn-116
Cross Section
-100.0 To 227.6 %
Max Ratio
Min Ratio
TENDL Threshold 2.9858 MeV
JENDL5.0 Threshold 2.9858 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
4
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
26
Incident Energy (eV)
50-Sn-116

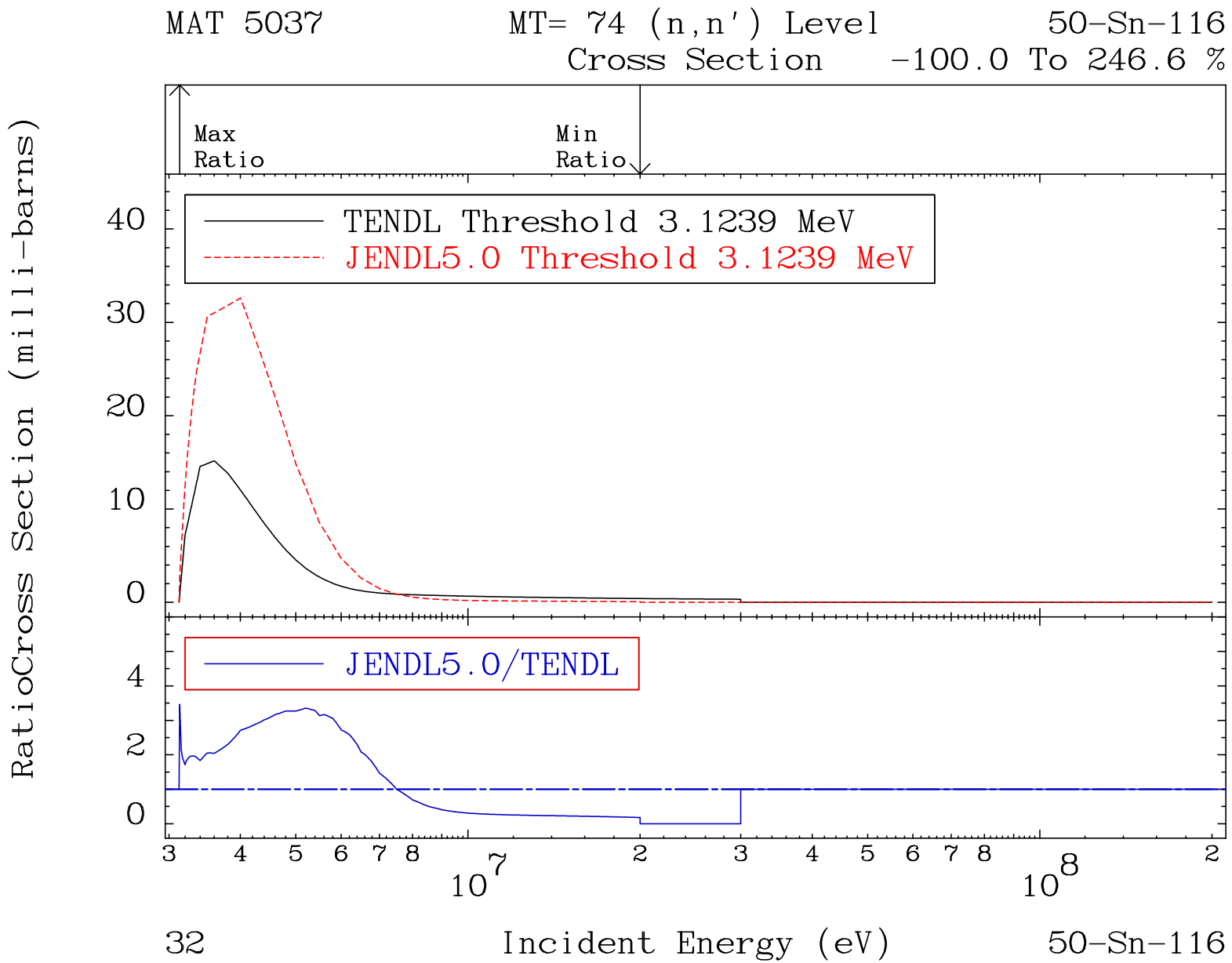

MAT 5037
MT= 69 (n,n') Level
50-Sn-116
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.0223 MeV
JENDL5.0 Threshold 3.0223 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.8
0.4
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
27
Incident Energy (eV)
50-Sn-116

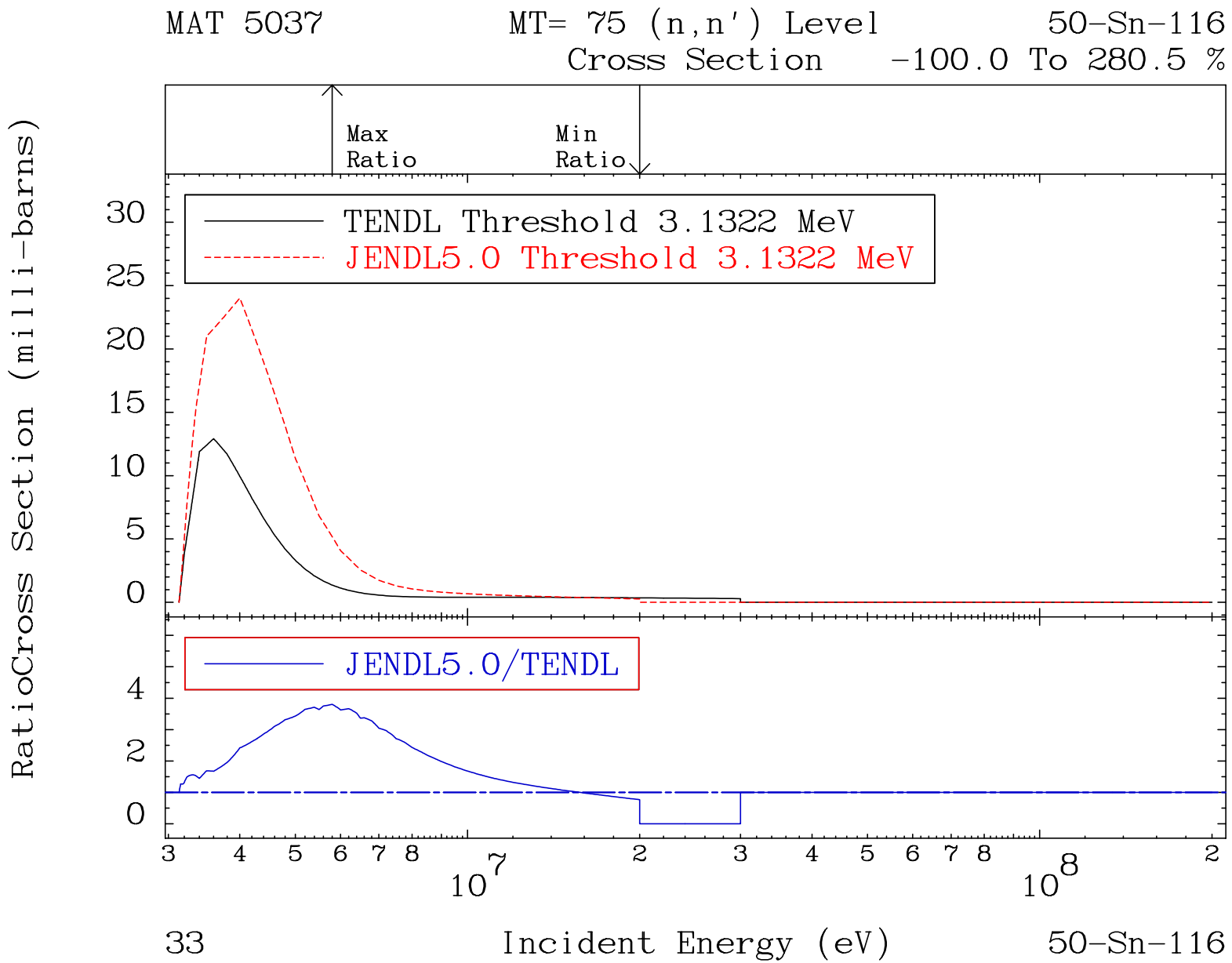

MAT 5037
MT= 70 (n,n') Level
50-Sn-116
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.0427 MeV
JENDL5.0 Threshold 3.0427 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
14
12
10
8
6
4
2
0
600
400
200
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
50-Sn-116

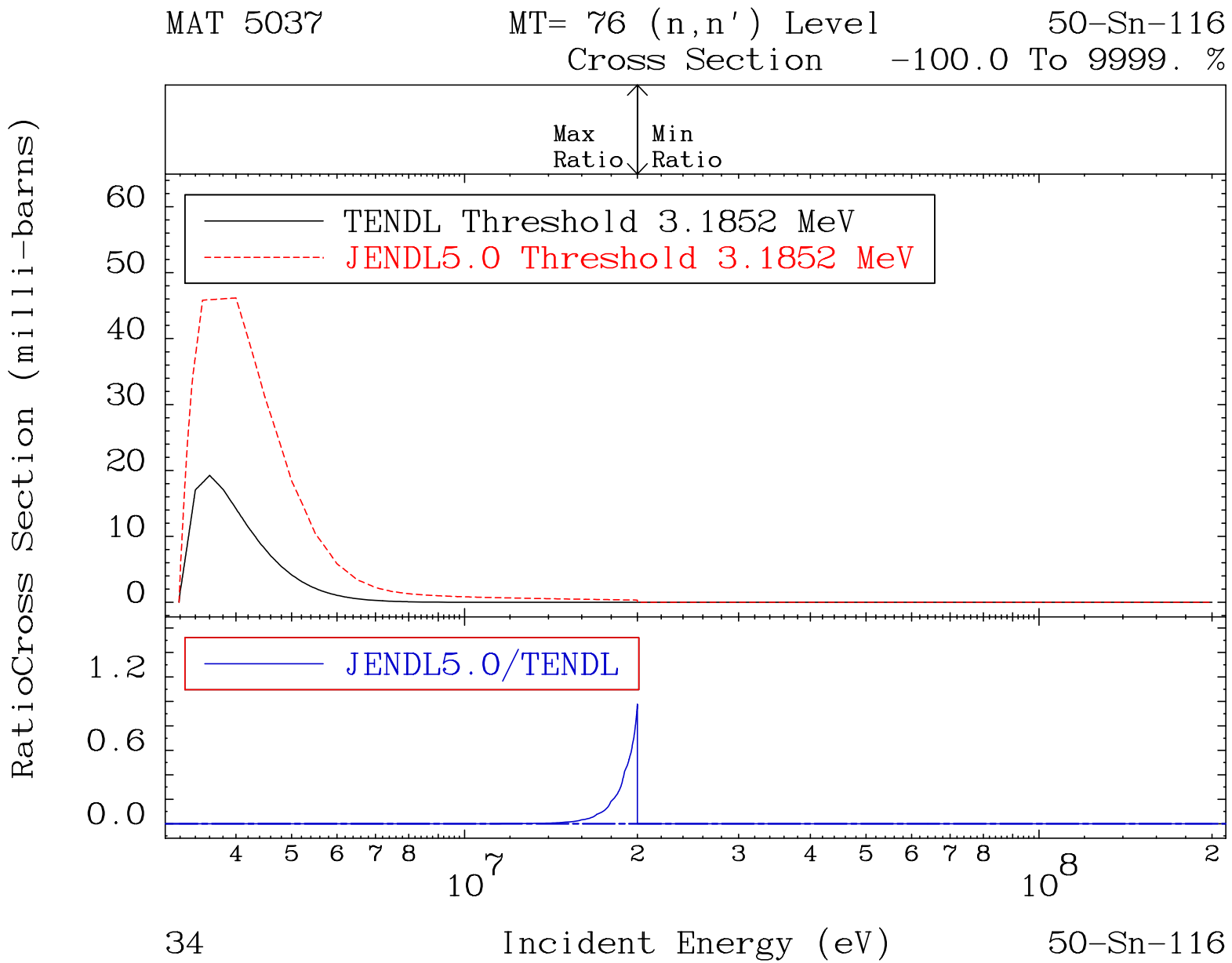

MAT 5037
MT= 71 (n,n') Level
50-Sn-116
Cross Section -100.0 To 231.6 %
Max Ratio
Min Ratio
TENDL Threshold 3.0591 MeV
JENDL5.0 Threshold 3.0591 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
29
50-Sn-116

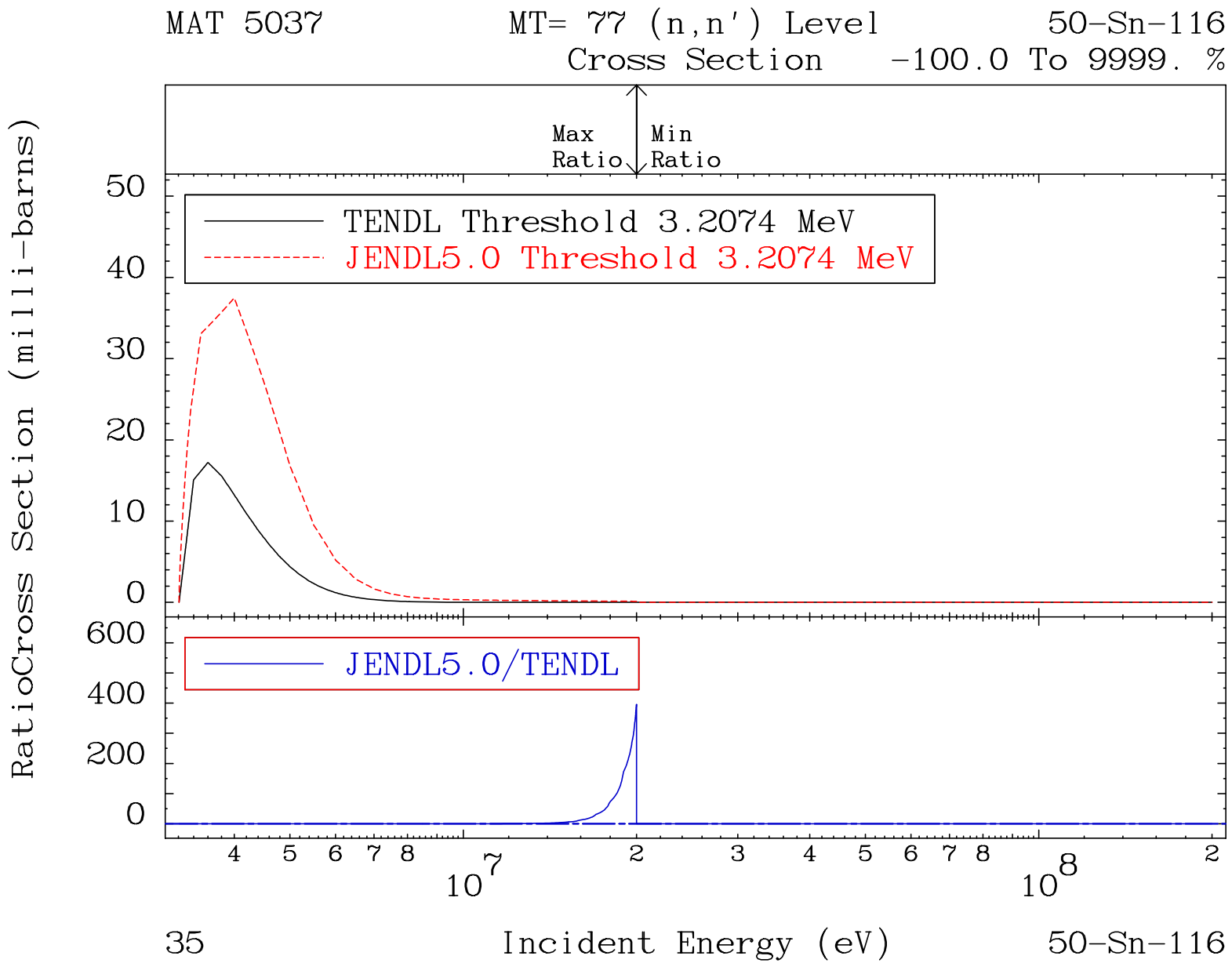

MAT 5037
MT= 72 (n,n') Level
50-Sn-116
Cross Section -100.0 To 247.9 %
Max Ratio
Min Ratio
TENDL Threshold 3.0729 MeV
JENDL5.0 Threshold 3.0729 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
4
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
30
Incident Energy (eV)
50-Sn-116

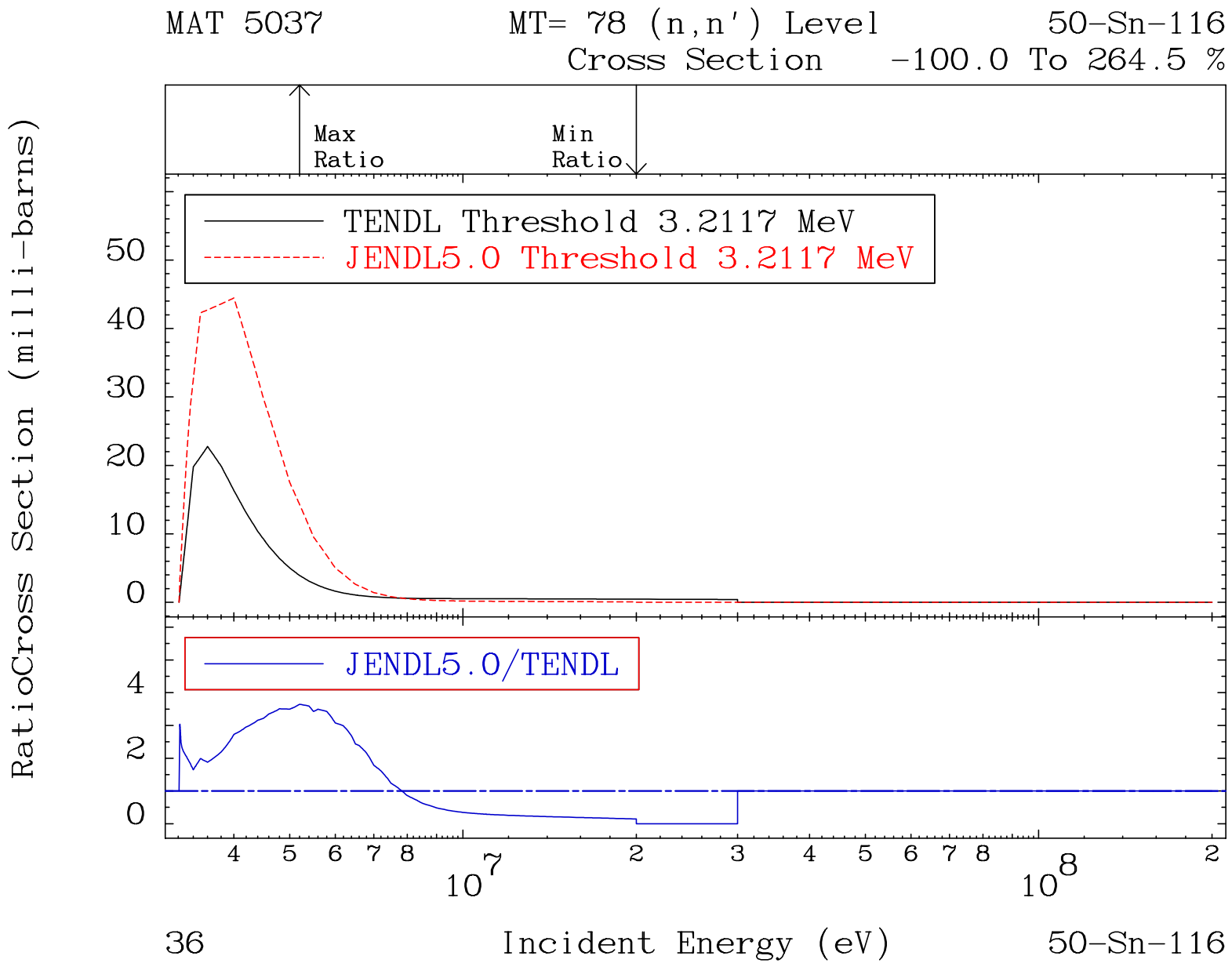

MAT 5037
MT= 73 (n,n') Level
50-Sn-116
Cross Section
-100.0 To 286.5 %
Max Ratio
Min Ratio
TENDL Threshold 3.1155 MeV
JENDL5.0 Threshold 3.1155 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
31
50-Sn-116

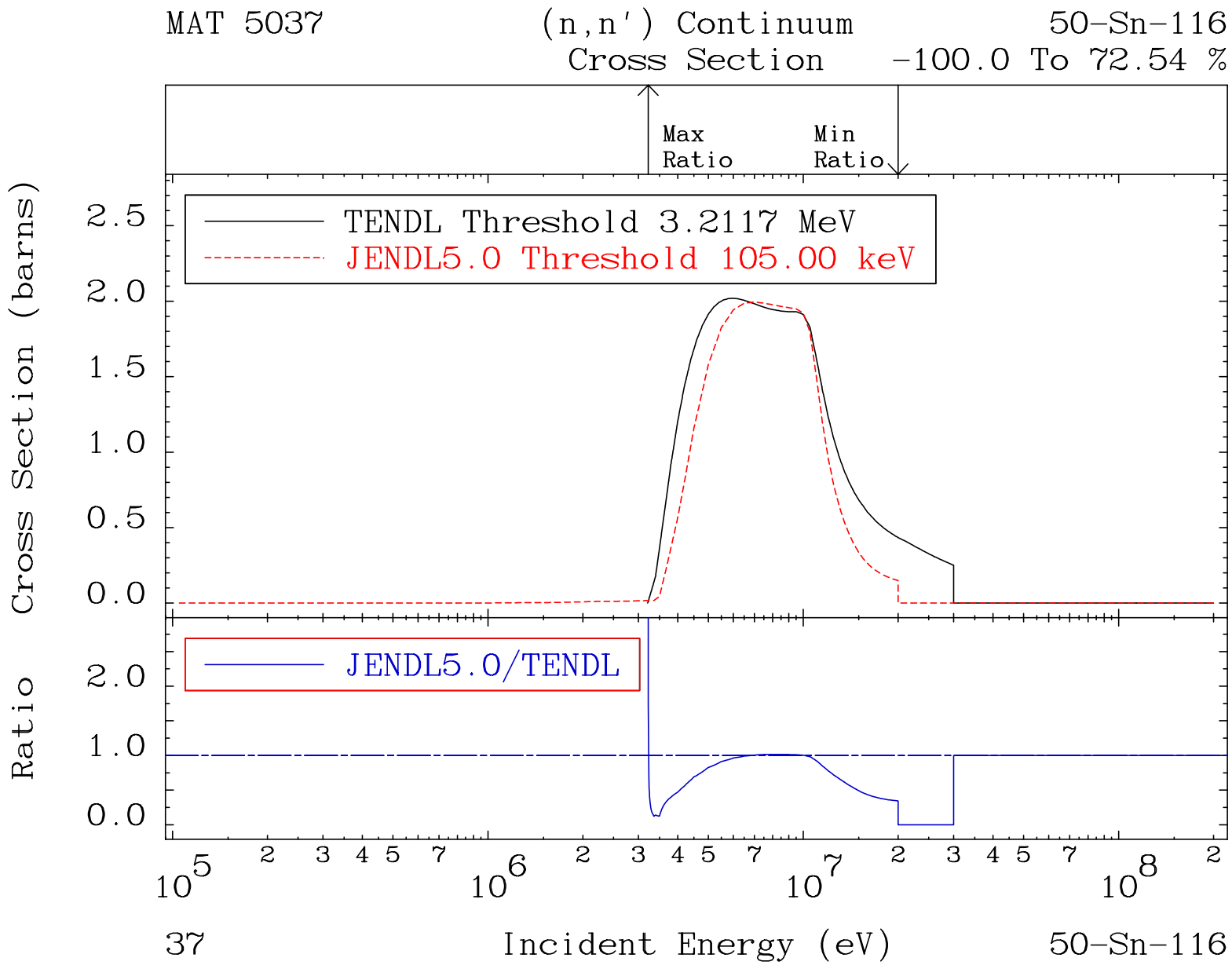

MAT 5037
MT= 74 (n,n') Level
50-Sn-116
Cross Section
-100.0 To 246.6 %
Max Ratio
Min Ratio
TENDL Threshold 3.1239 MeV
JENDL5.0 Threshold 3.1239 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
4
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
32
Incident Energy (eV)
50-Sn-116

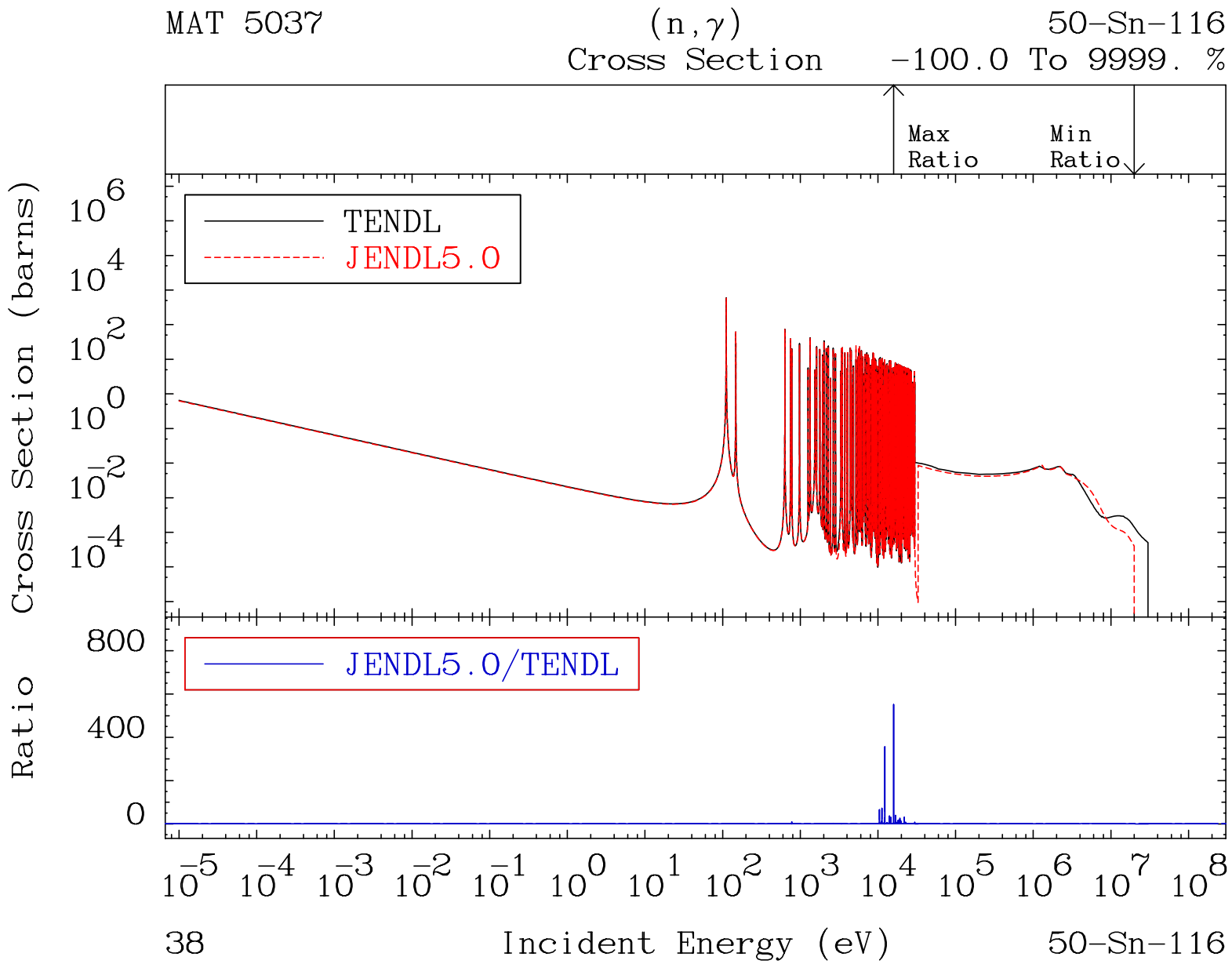

MAT 5037
MT= 75 (n,n') Level
50-Sn-116
Cross Section
-100.0 To 280.5 %
Max Ratio
Min Ratio
TENDL Threshold 3.1322 MeV
JENDL5.0 Threshold 3.1322 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
33
50-Sn-116

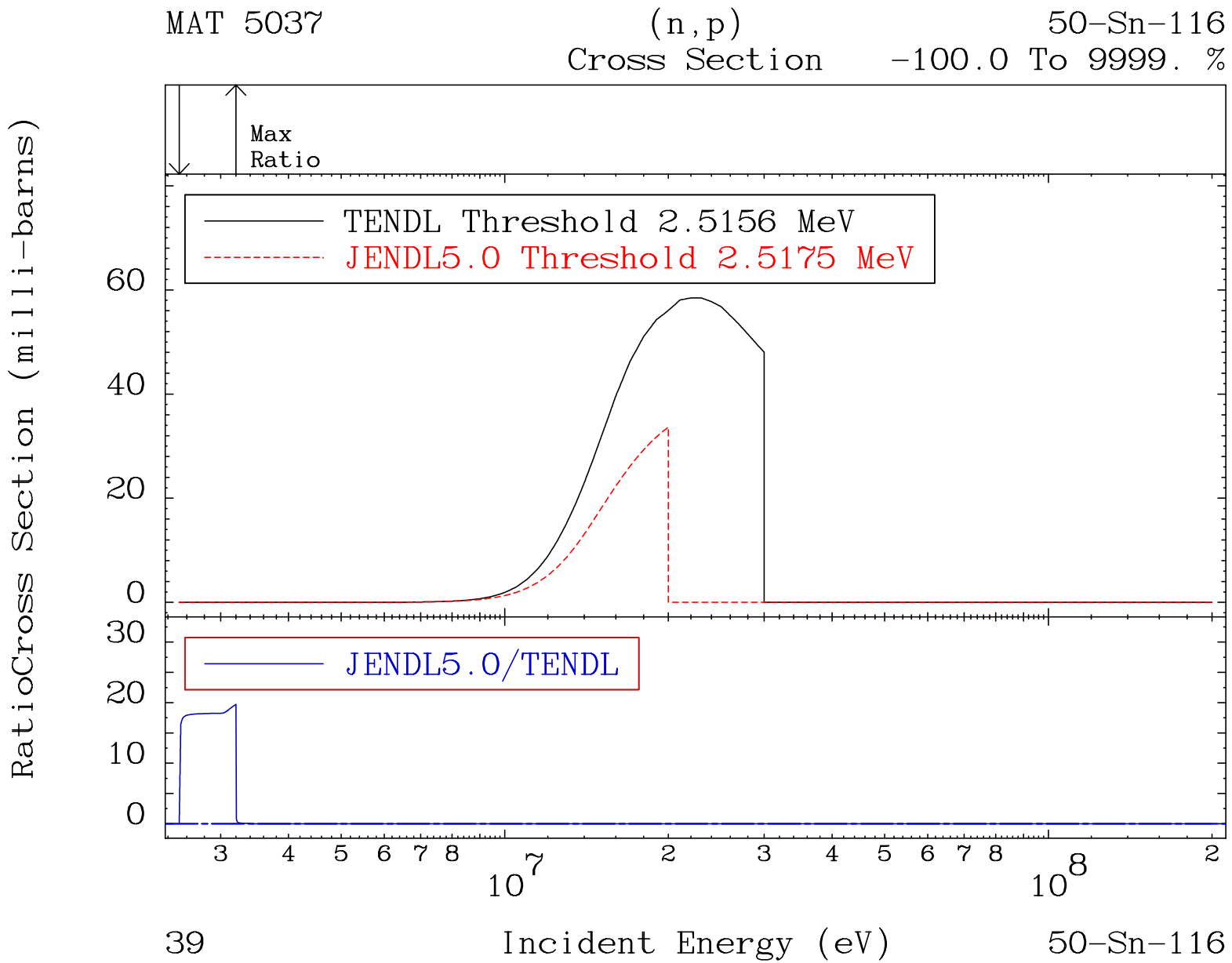

MAT 5037
MT= 76 (n,n') Level
50-Sn-116
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.1852 MeV
JENDL5.0 Threshold 3.1852 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.6
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
50-Sn-116

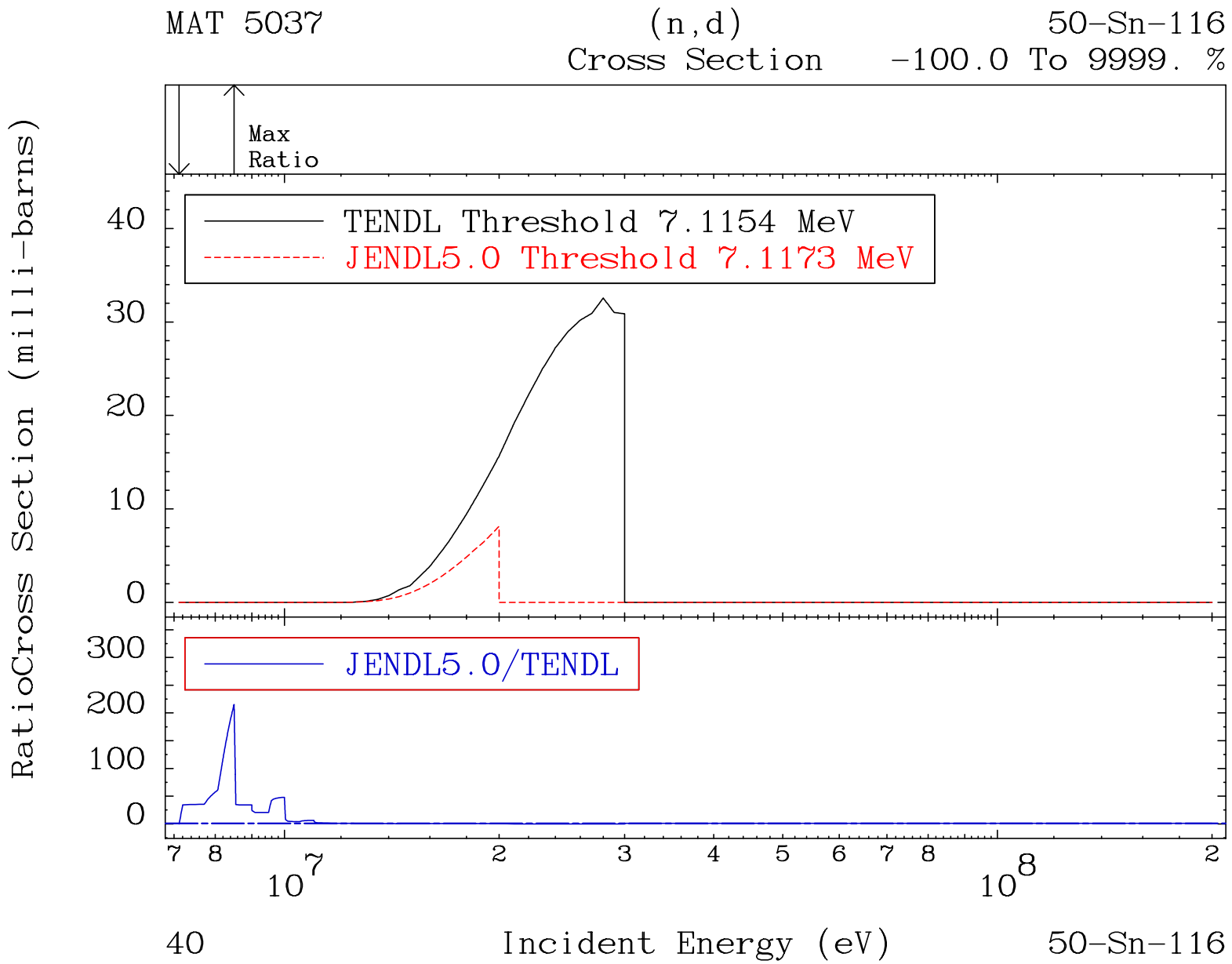

MAT 5037
MT= 77 (n,n') Level
50-Sn-116
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.2074 MeV
JENDL5.0 Threshold 3.2074 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
600
400
200
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
50-Sn-116

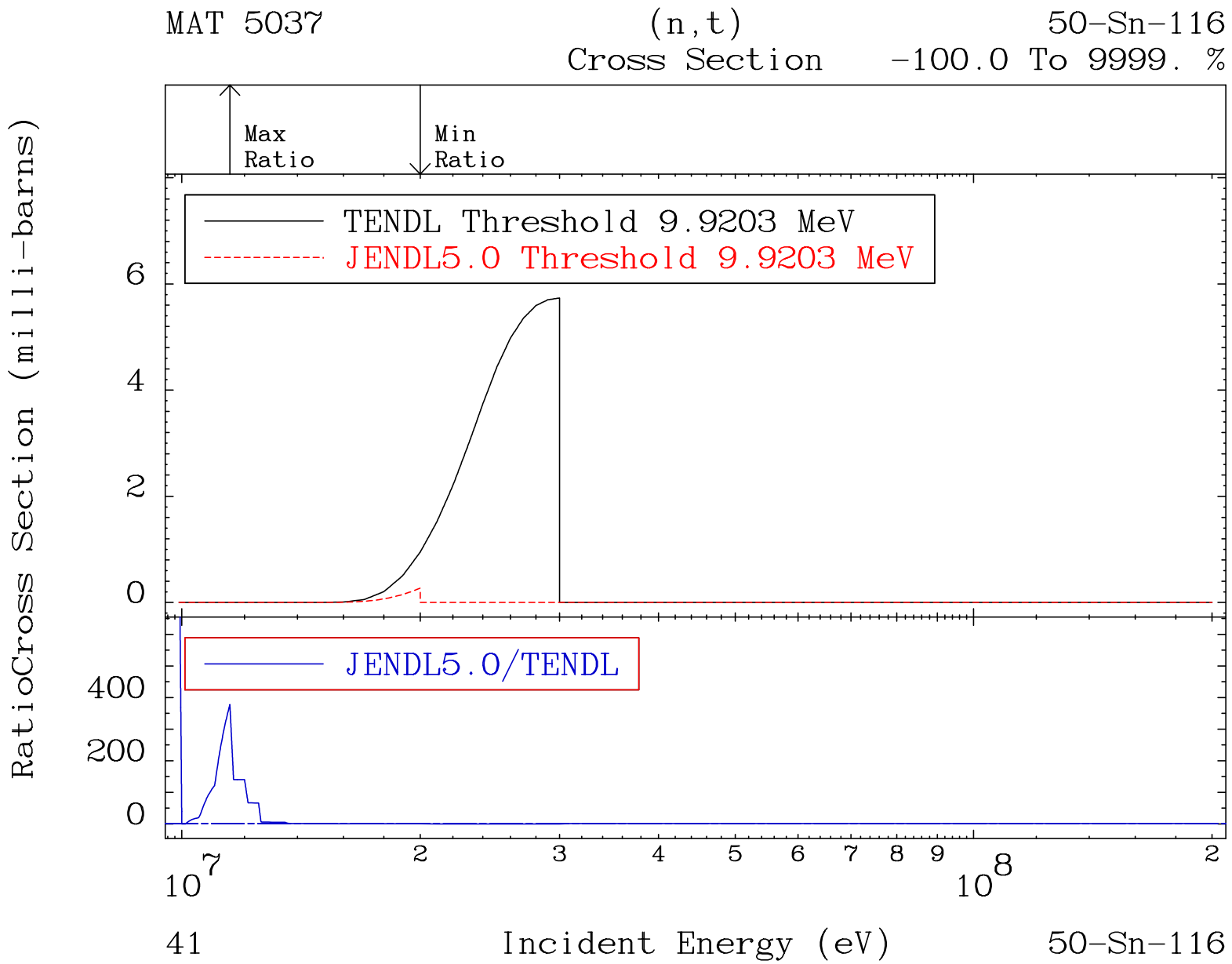

MAT 5037
MT= 78 (n,n') Level
50-Sn-116
Cross Section
-100.0 To 264.5 %
Max Ratio
Min Ratio
TENDL Threshold 3.2117 MeV
JENDL5.0 Threshold 3.2117 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
4
2
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
36
Incident Energy (eV)
50-Sn-116

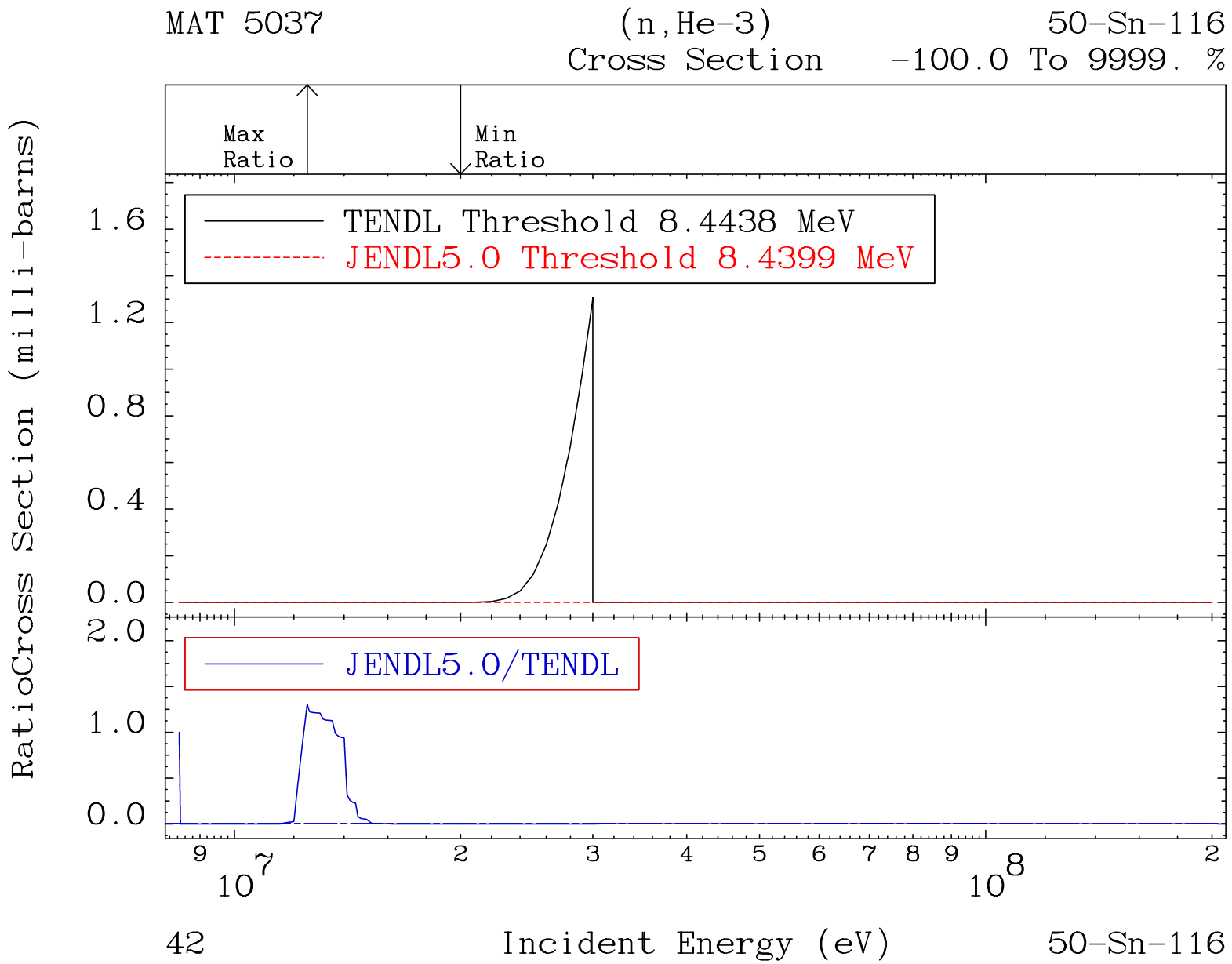

MAT 5037
(n,n') Continuum
Cross Section
50-Sn-116
-100.0 To 72.54 %
Max
Ratio
Min
Ratio
TENDL Threshold 3.2117 MeV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
2.0
1.0
0.0
2 3 4 5 7
10^5
10^6
10^7
10^8
37
Incident Energy (eV)
50-Sn-116

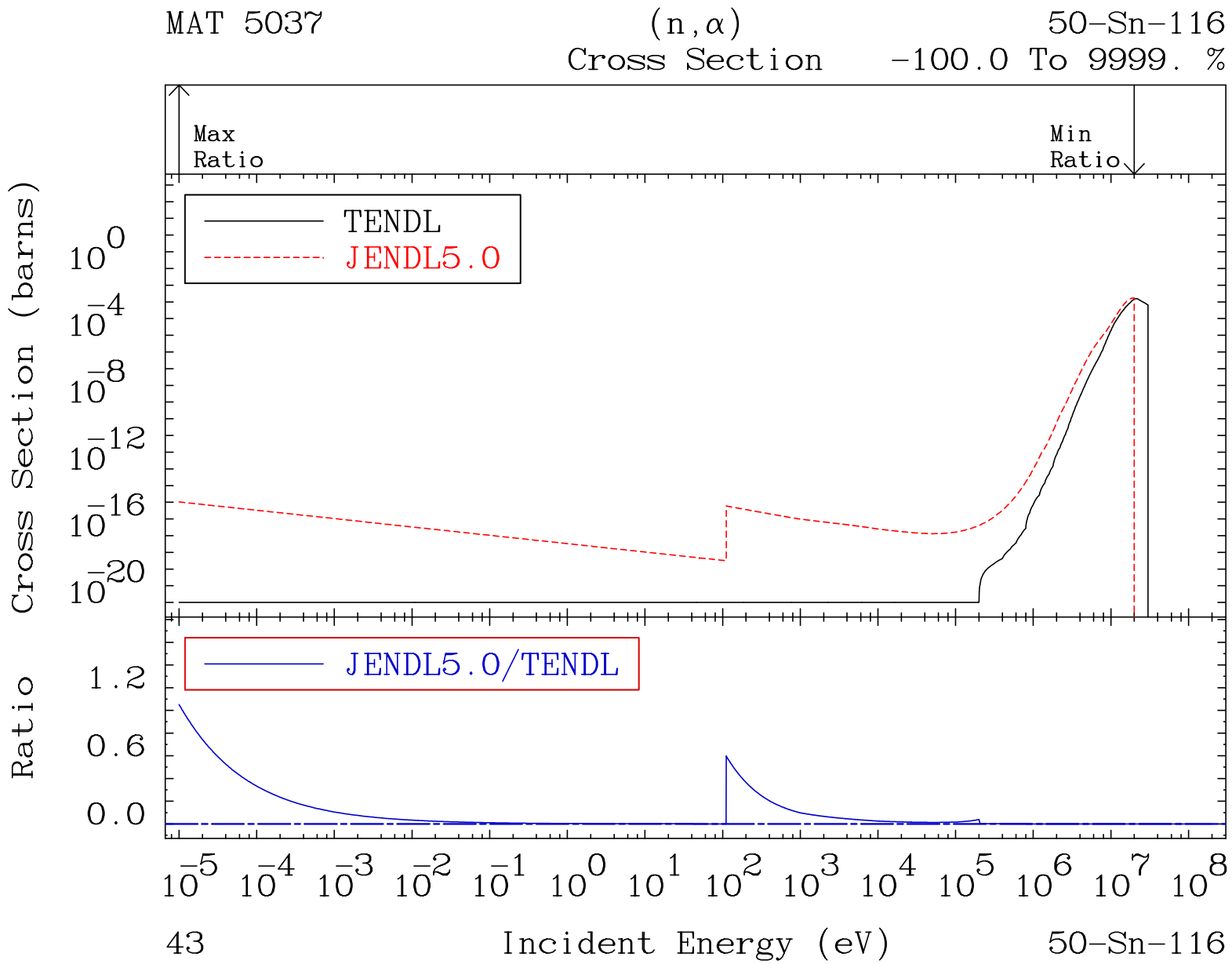

MAT 5037
(n,γ)
Cross Section
50-Sn-116
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
38
50-Sn-116

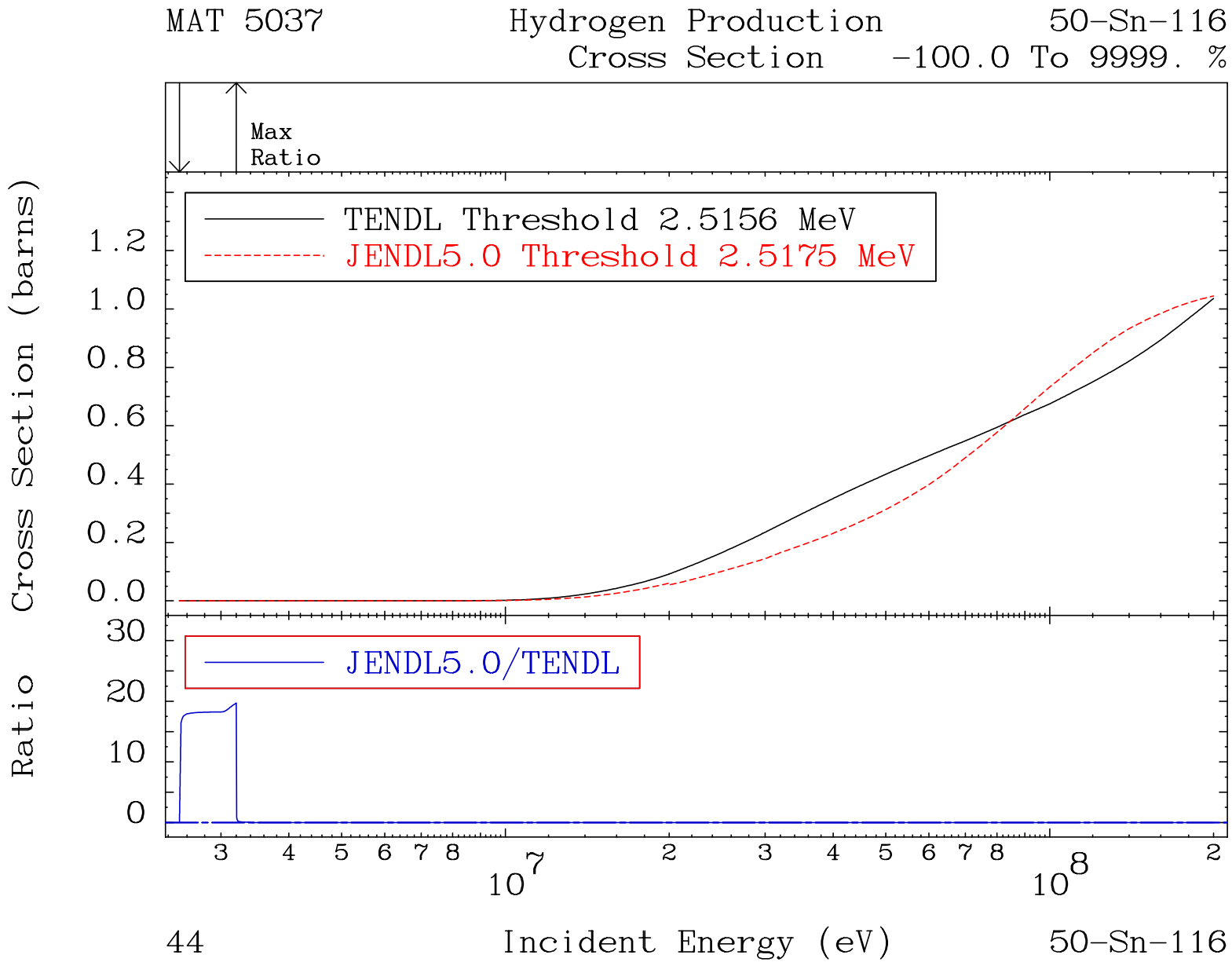

MAT 5037
(n,p)
50-Sn-116
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 2.5156 MeV
JENDL5.0 Threshold 2.5175 MeV
60
40
20
0
JENDL5.0/TENDL
30
20
10
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
RatioCross Section (milli-barns)
39
Incident Energy (eV)
50-Sn-116

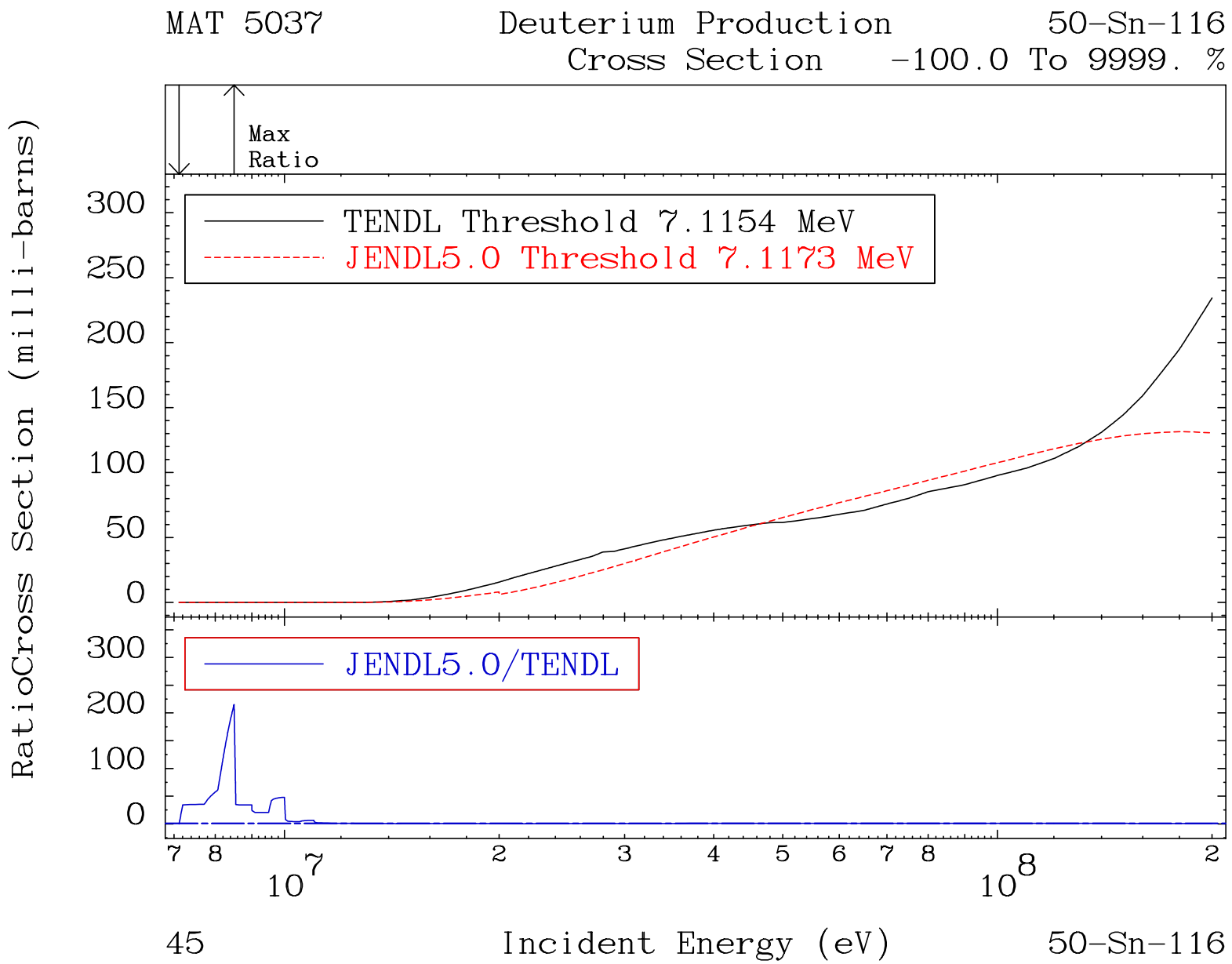

MAT 5037
(n,d)
50-Sn-116
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 7.1154 MeV
JENDL5.0 Threshold 7.1173 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
300
200
100
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
40
Incident Energy (eV)
50-Sn-116

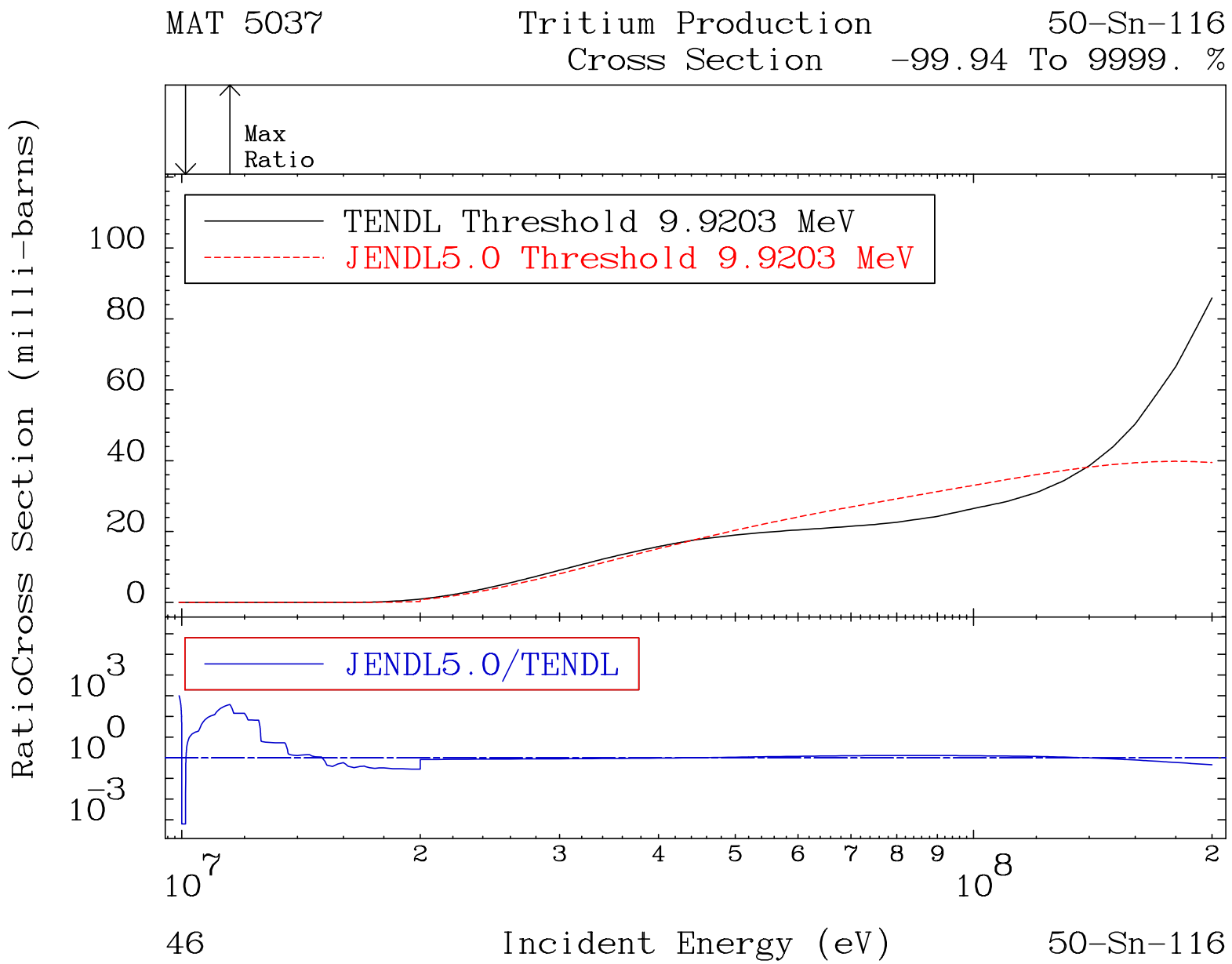

MAT 5037
(n,t)
50-Sn-116
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.9203 MeV
JENDL5.0 Threshold 9.9203 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
0
2
4
6
0
200
400
10^7
2
3
4
5
6
7
8
9
10^8
2
41
Incident Energy (eV)
50-Sn-116

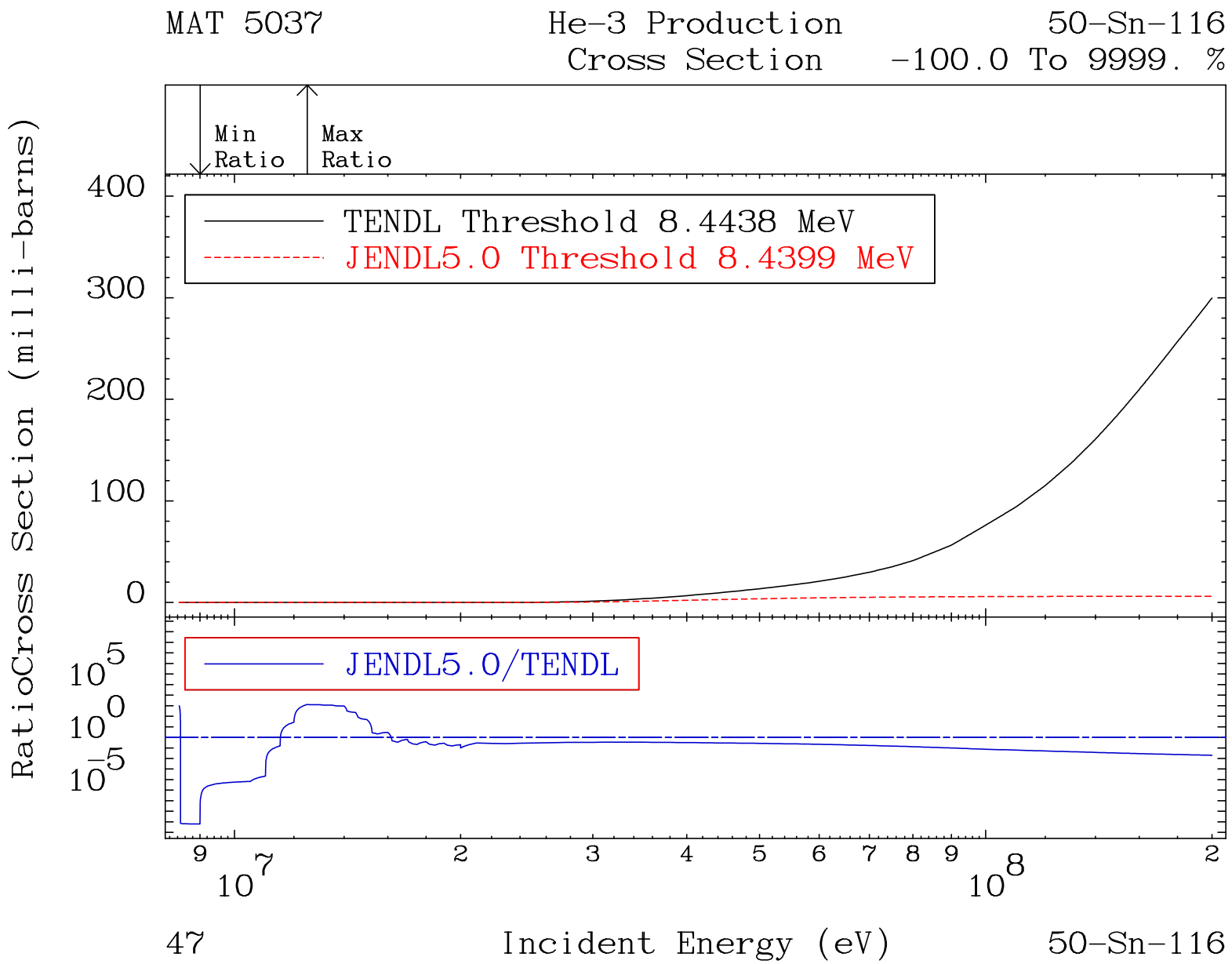

MAT 5037
(n,He-3)
Cross Section
50-Sn-116
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 8.4438 MeV
JENDL5.0 Threshold 8.4399 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
2.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
42
Incident Energy (eV)
50-Sn-116

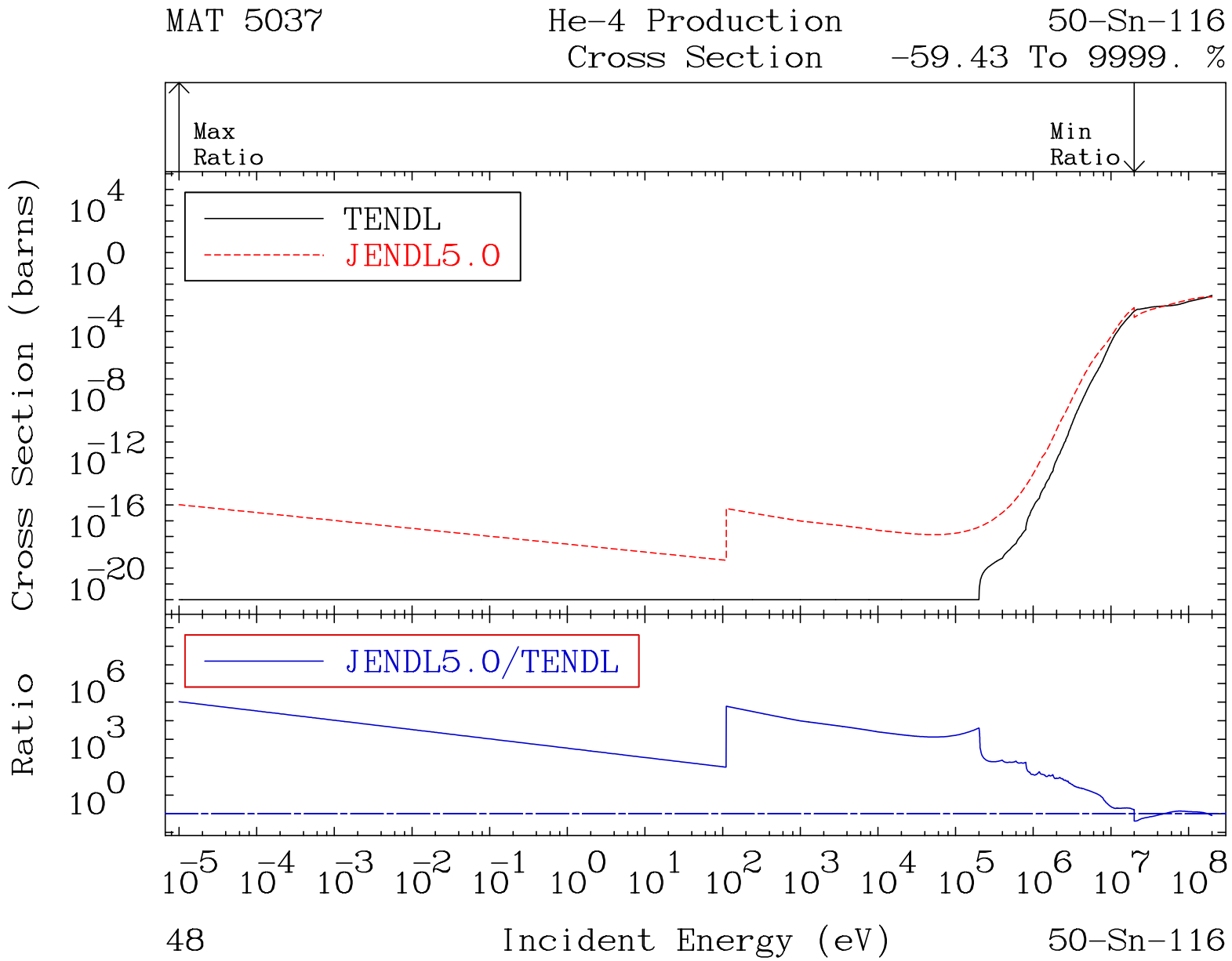

MAT 5037
(n,α)
Cross Section
50-Sn-116
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^0
10^-4
10^-8
10^-12
10^-16
10^-20
JENDL5.0/TENDL
Ratio
1.2
0.6
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
43
Incident Energy (eV)
50-Sn-116

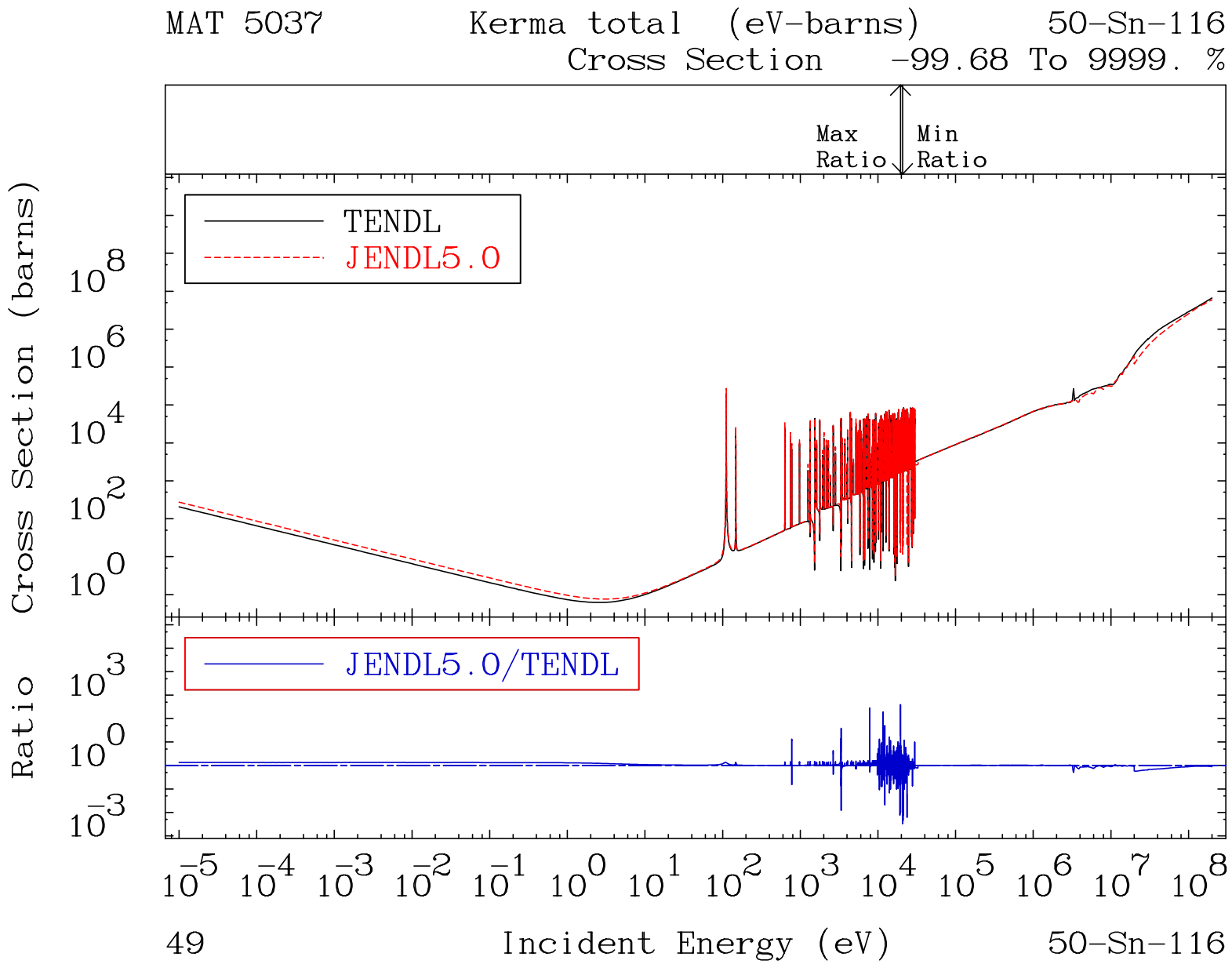

MAT 5037
Hydrogen Production
50-Sn-116
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 2.5156 MeV
JENDL5.0 Threshold 2.5175 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
30
20
10
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
44
Incident Energy (eV)
50-Sn-116

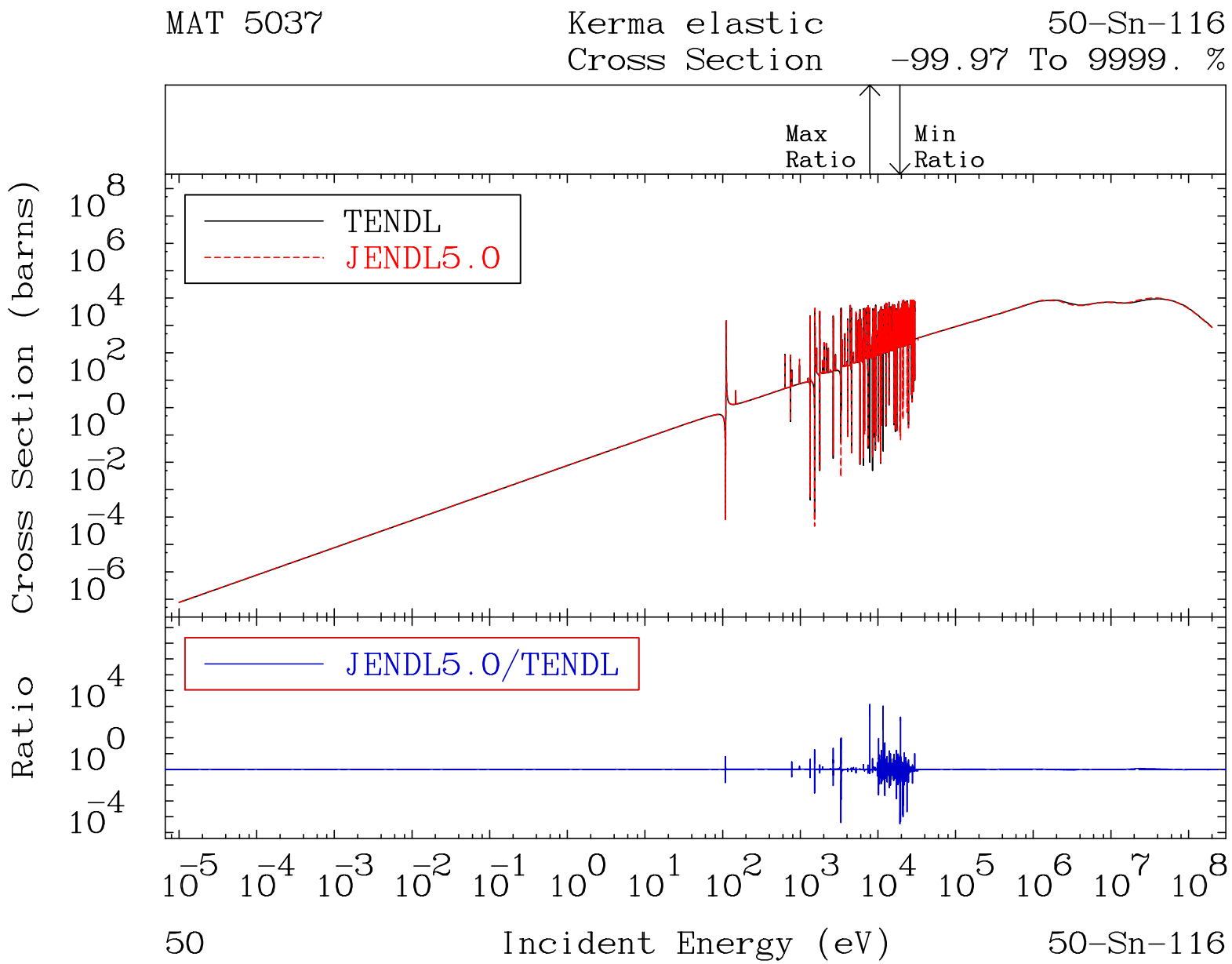

MAT 5037
Deuterium Production
50-Sn-116
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 7.1154 MeV
JENDL5.0 Threshold 7.1173 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
45
Incident Energy (eV)
50-Sn-116

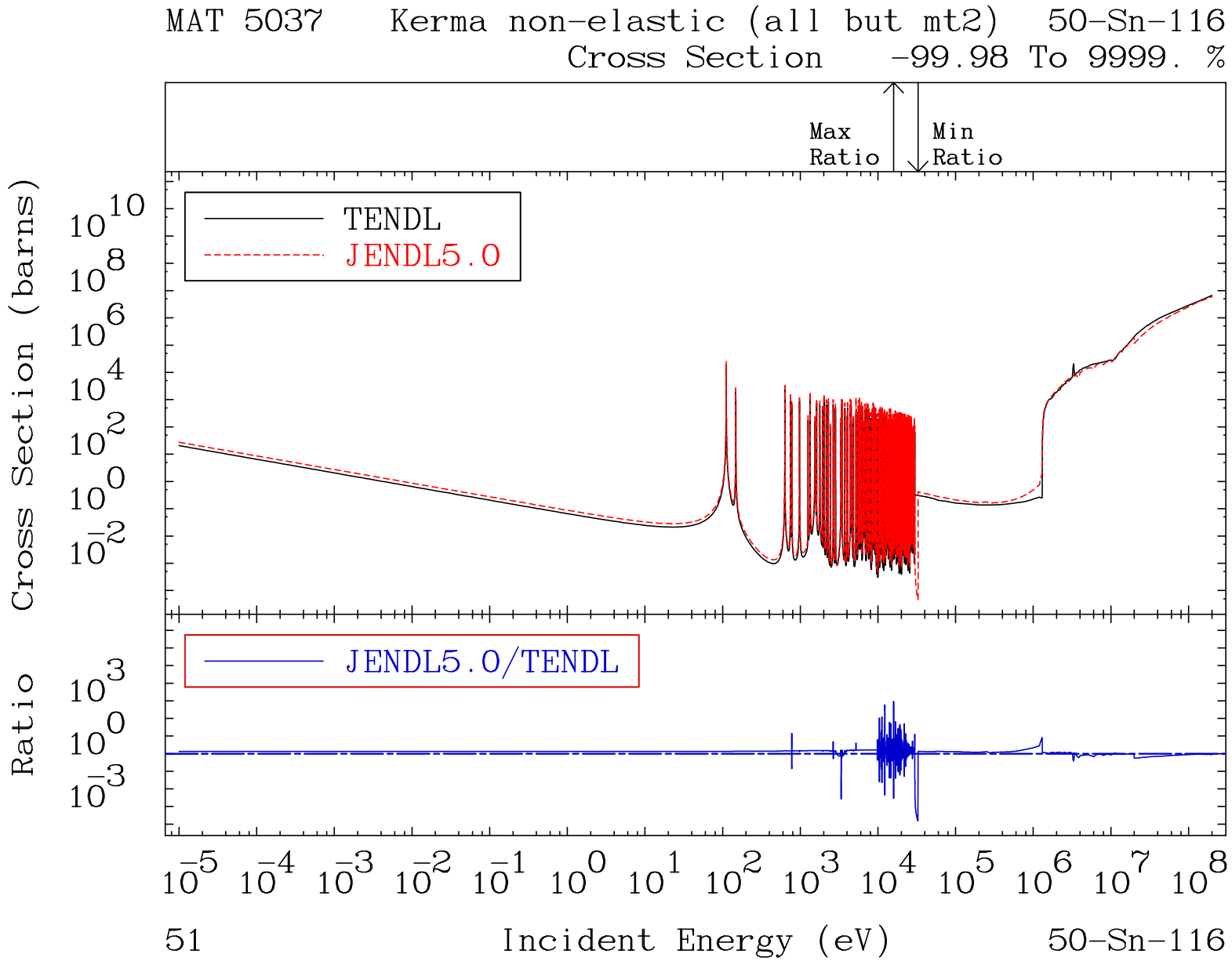

MAT 5037
Tritium Production
50-Sn-116
Cross Section
-99.94 To 9999. %
Max
Ratio
TENDL Threshold 9.9203 MeV
JENDL5.0 Threshold 9.9203 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
10^3
10^0
10^-3
10^7
2
3
4
5
6
7
8
9
10^8
2
46
Incident Energy (eV)
50-Sn-116

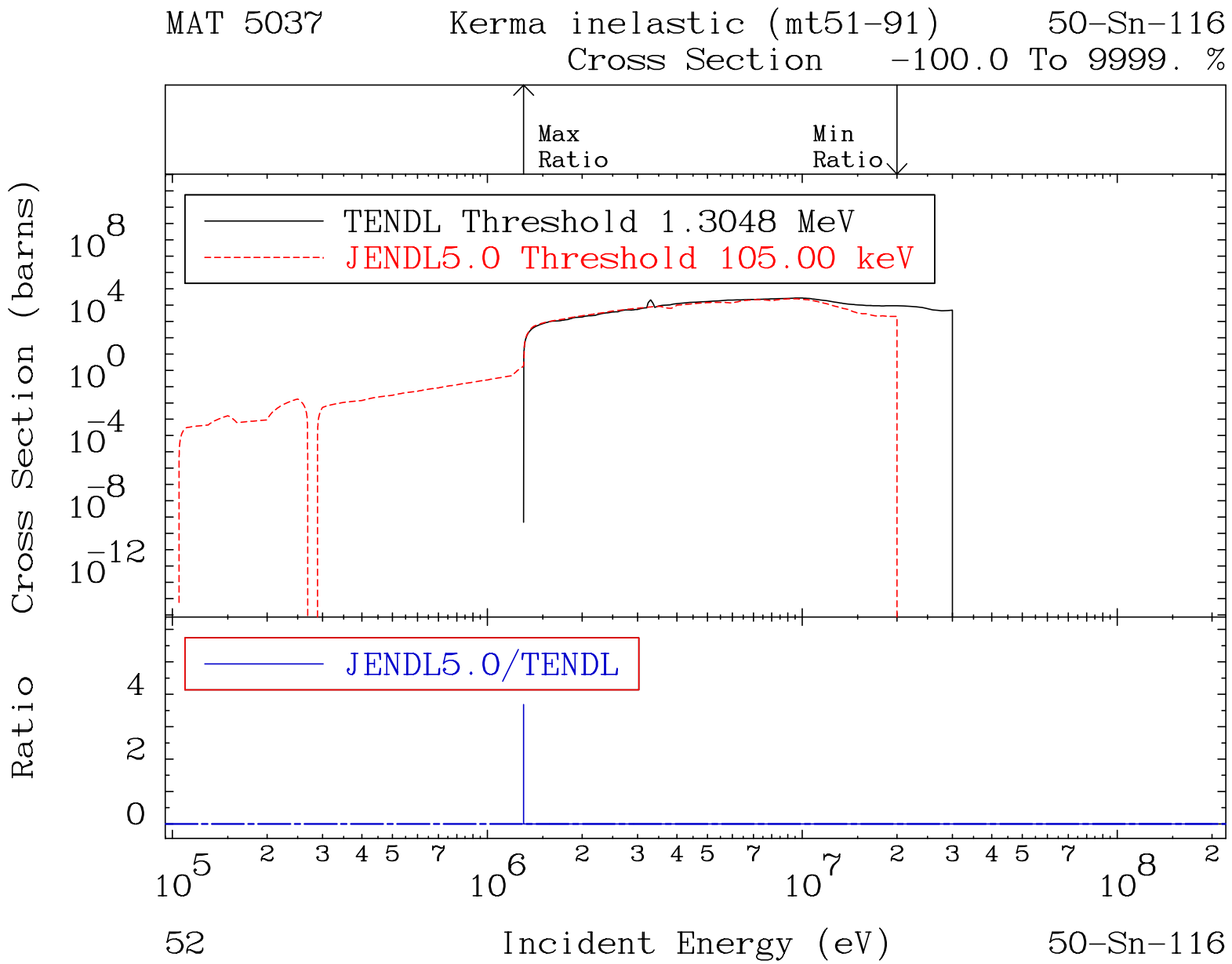

MAT 5037
He-3 Production
Cross Section
50-Sn-116
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 8.4438 MeV
JENDL5.0 Threshold 8.4399 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
10^5
10^0
10^-5
9
10^7
2
3
4
5
6
7
8
9
10^8
2
47
Incident Energy (eV)
50-Sn-116

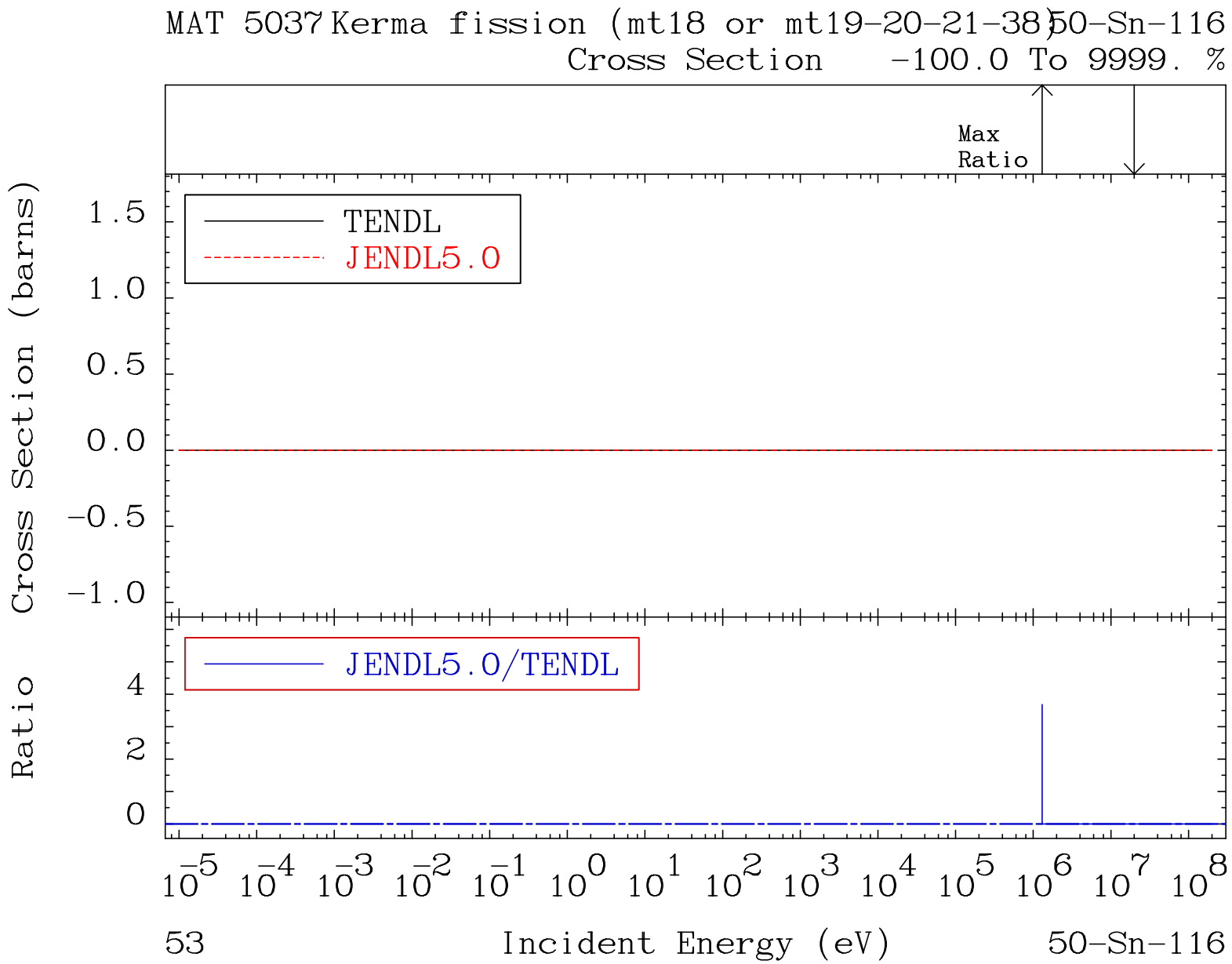

MAT 5037
He-4 Production
Cross Section
50-Sn-116
-59.43 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48
50-Sn-116

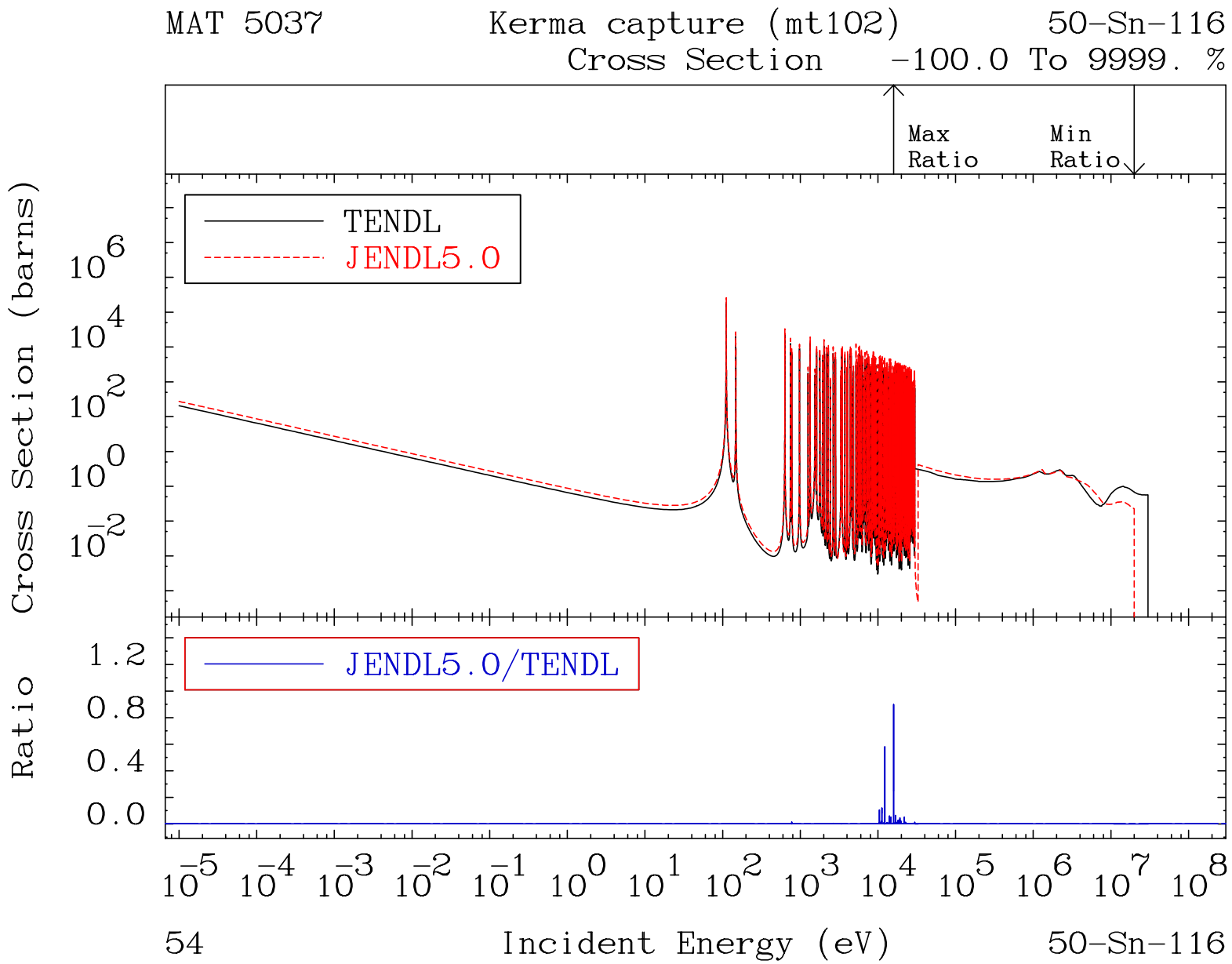

MAT 5037
Kerma total (eV-barns)
50-Sn-116
Cross Section -99.68 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
49
50-Sn-116

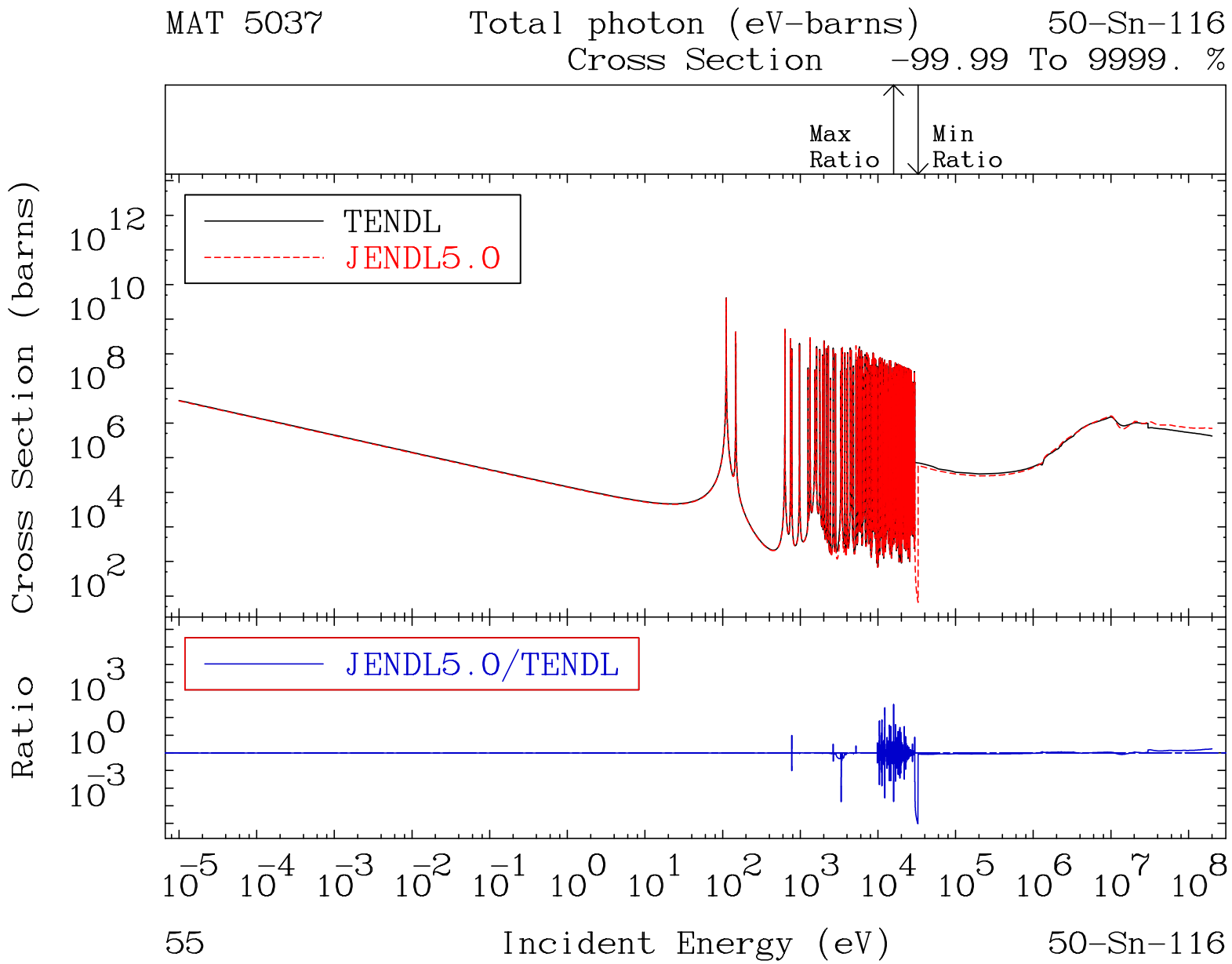

MAT 5037
Kerma elastic
Cross Section
50-Sn-116
-99.97 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
50
50-Sn-116

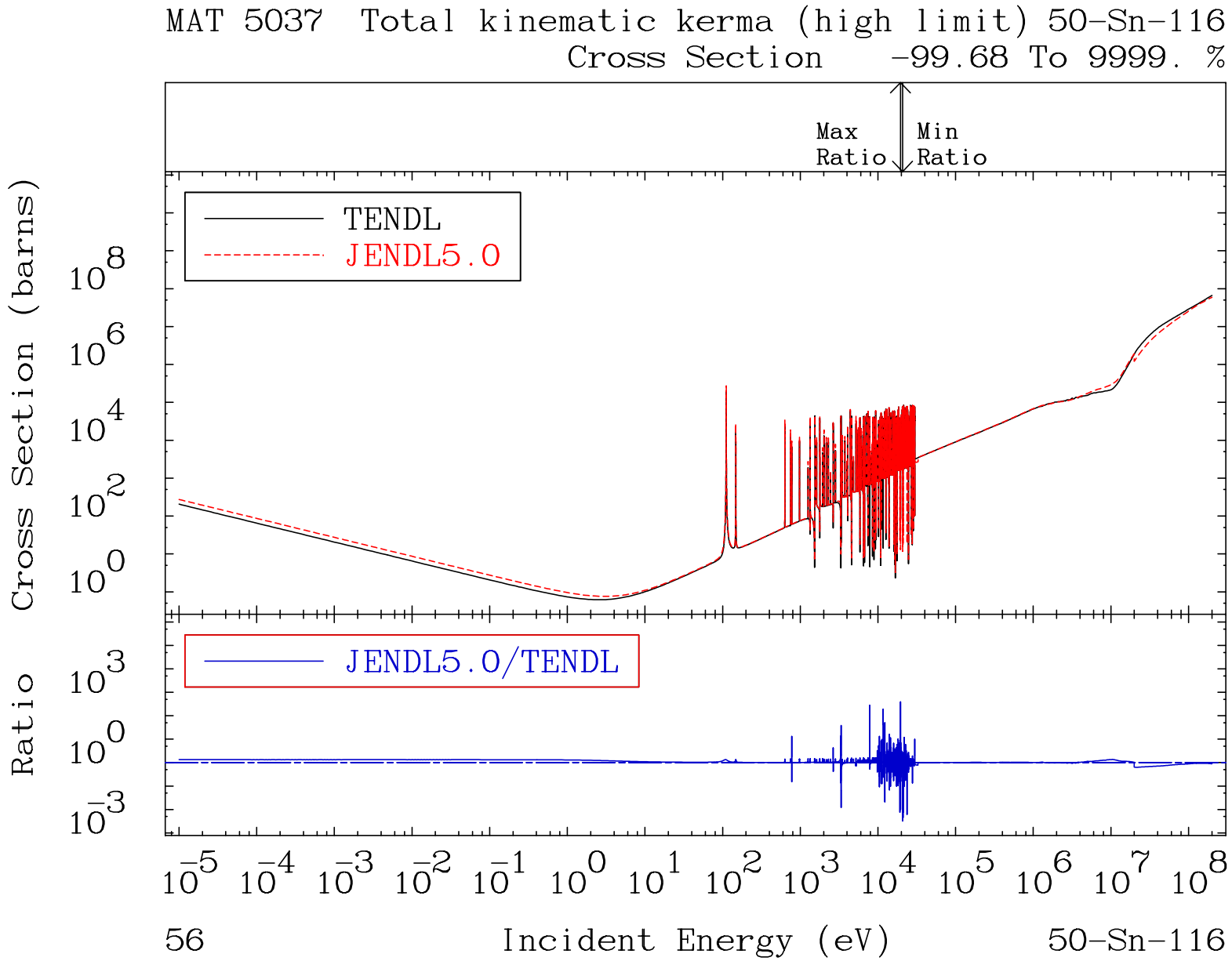

MAT 5037 Kerma non-elastic (all but mt2) 50-Sn-116
Cross Section -99.98 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
50-Sn-116

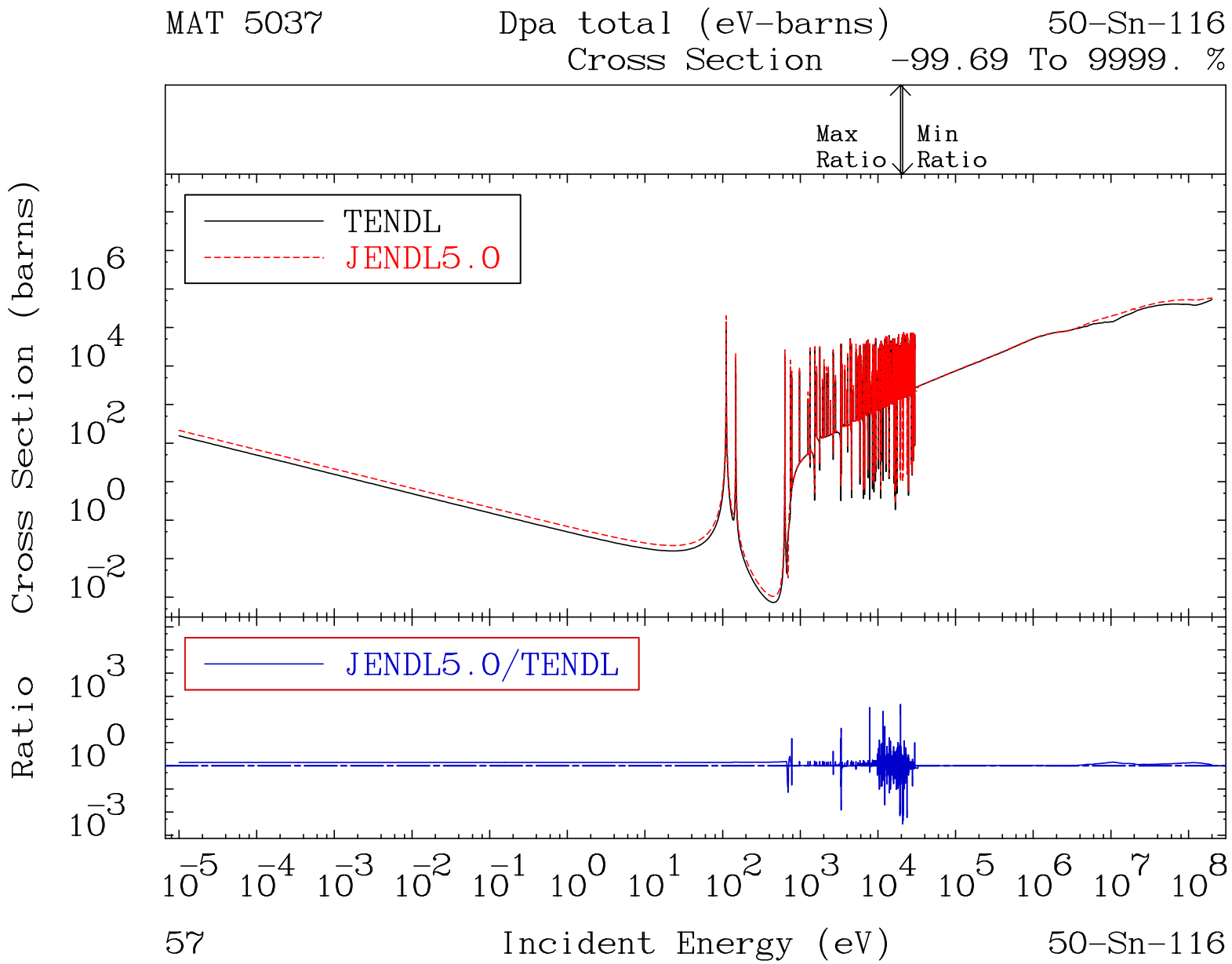

MAT 5037
Kerma inelastic (mt51-91)
50-Sn-116
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.3048 MeV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
50-Sn-116

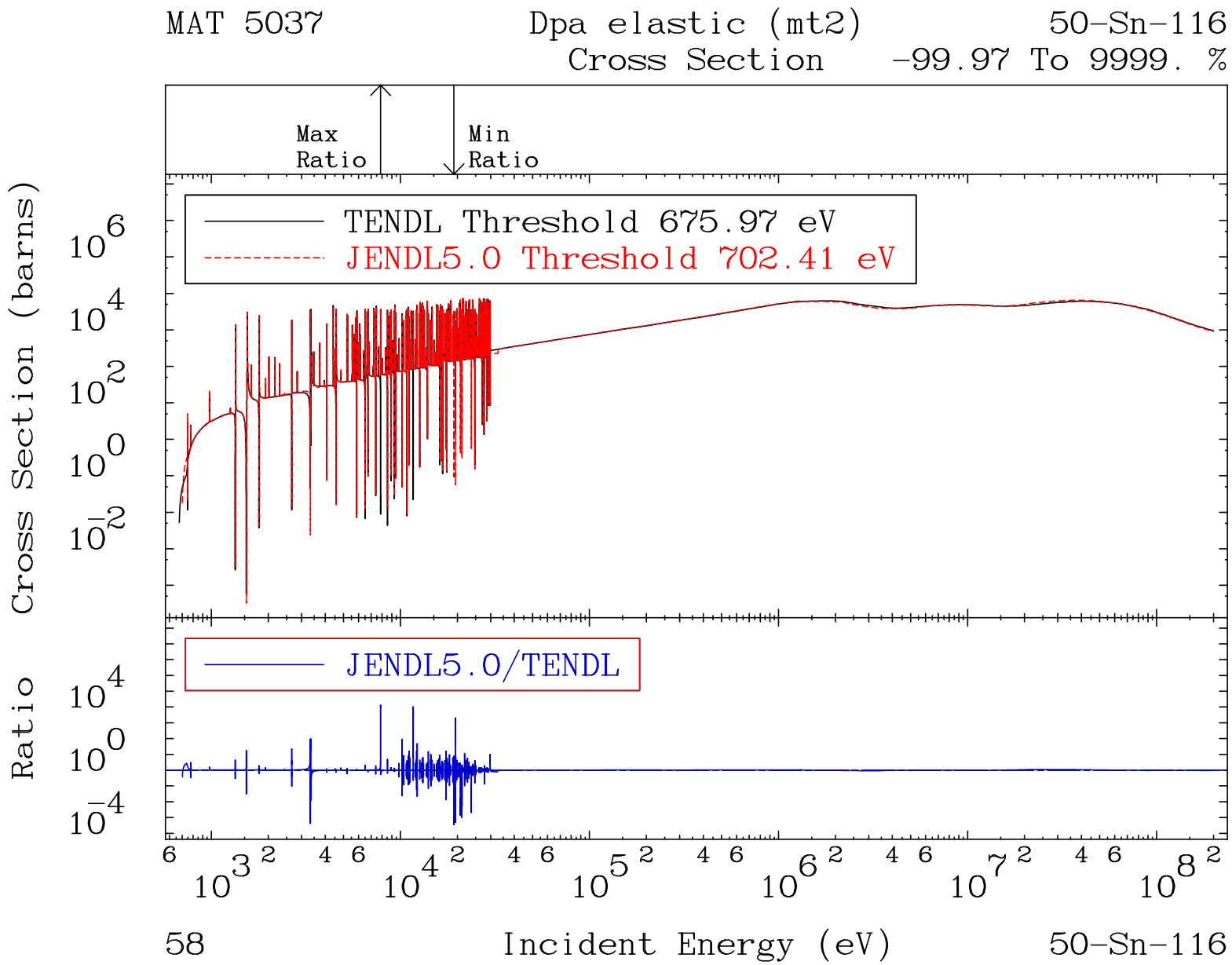

MAT 5037 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-116
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
4
2
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
53
Incident Energy (eV)
50-Sn-116

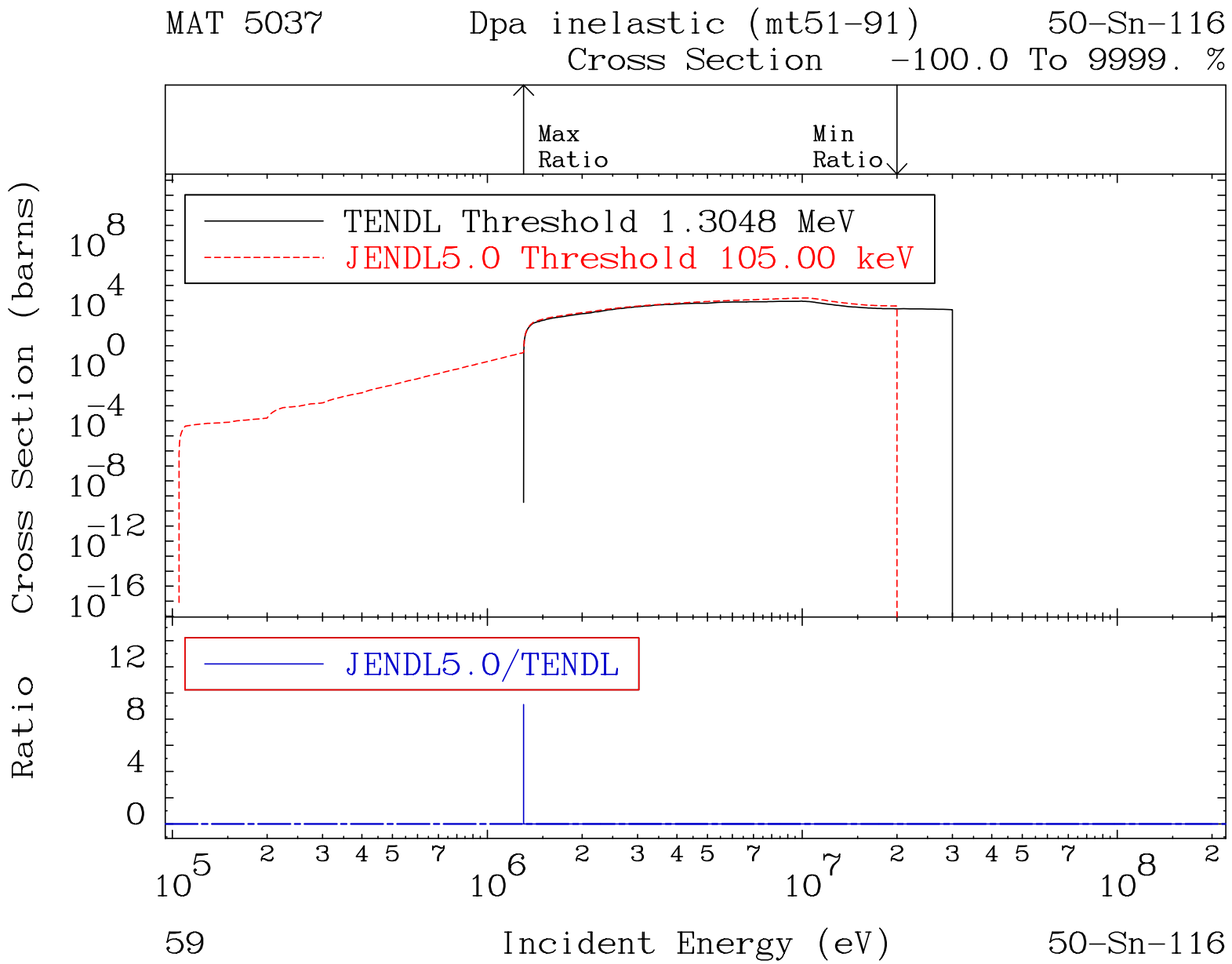

MAT 5037
Kerma capture (mt102)
50-Sn-116
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
54
50-Sn-116

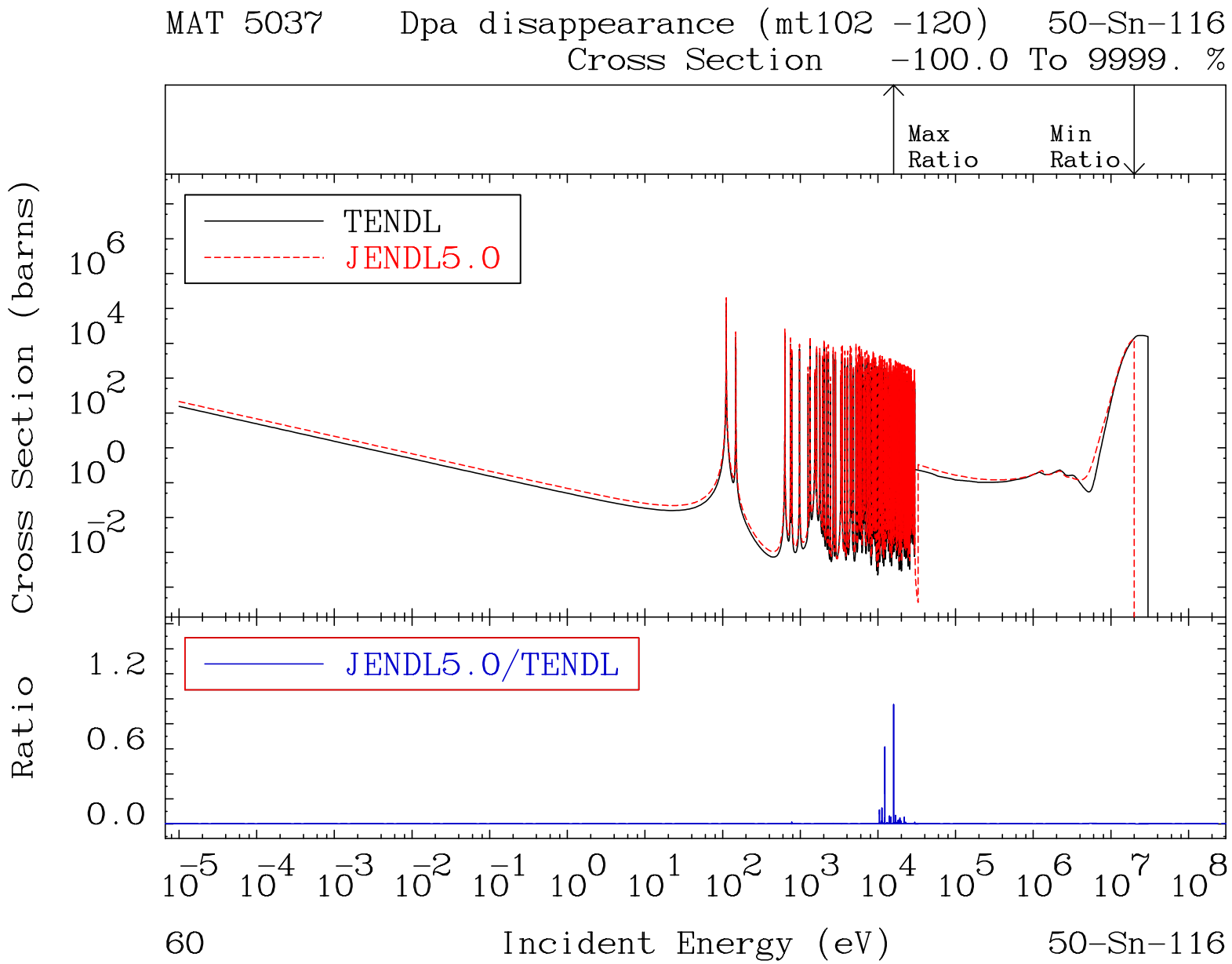

MAT 5037
Total photon (eV-barns)
50-Sn-116
Cross Section -99.99 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
55
50-Sn-116

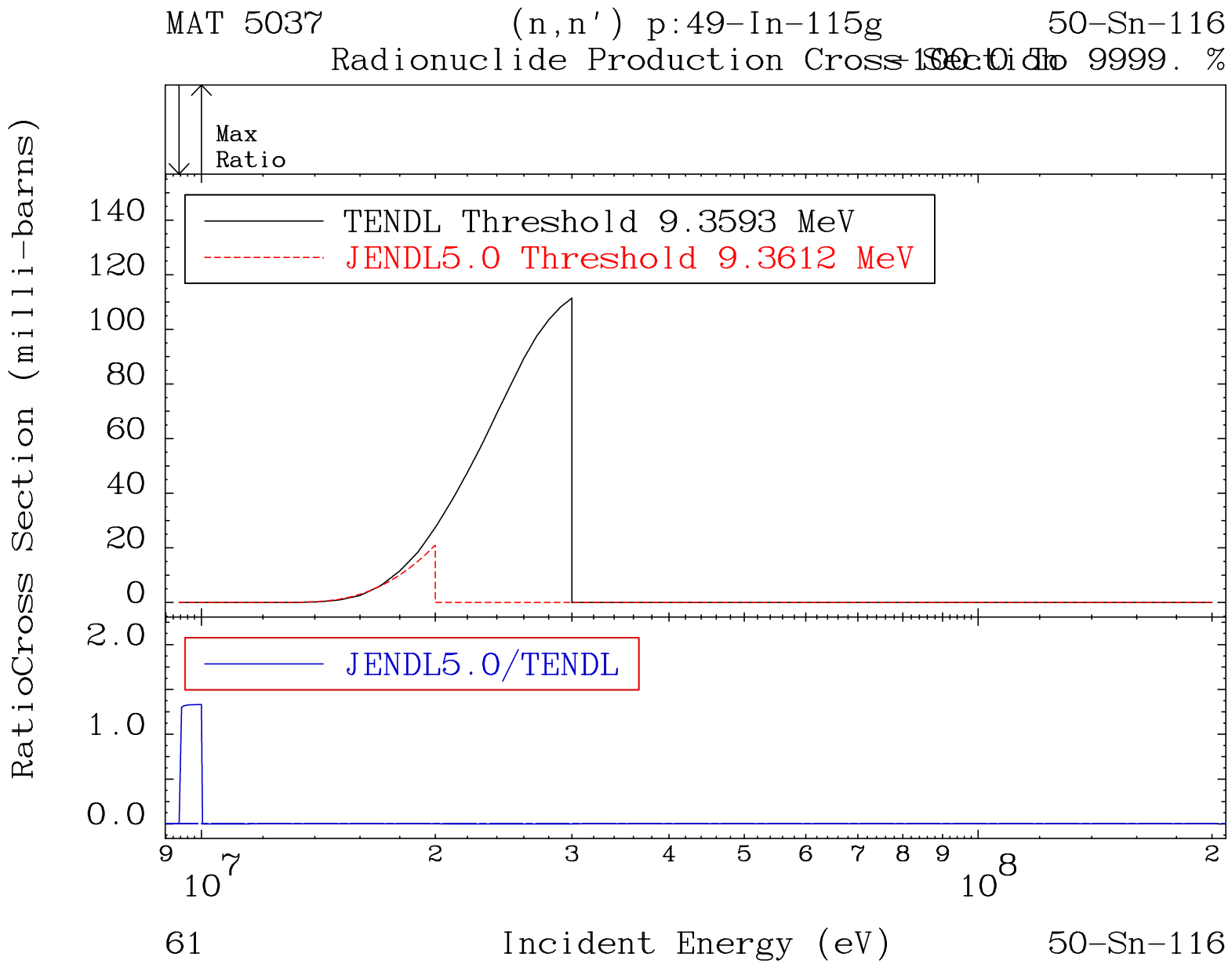

MAT 5037 Total kinematic kerma (high limit) 50-Sn-116
Cross Section -99.68 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
56
50-Sn-116

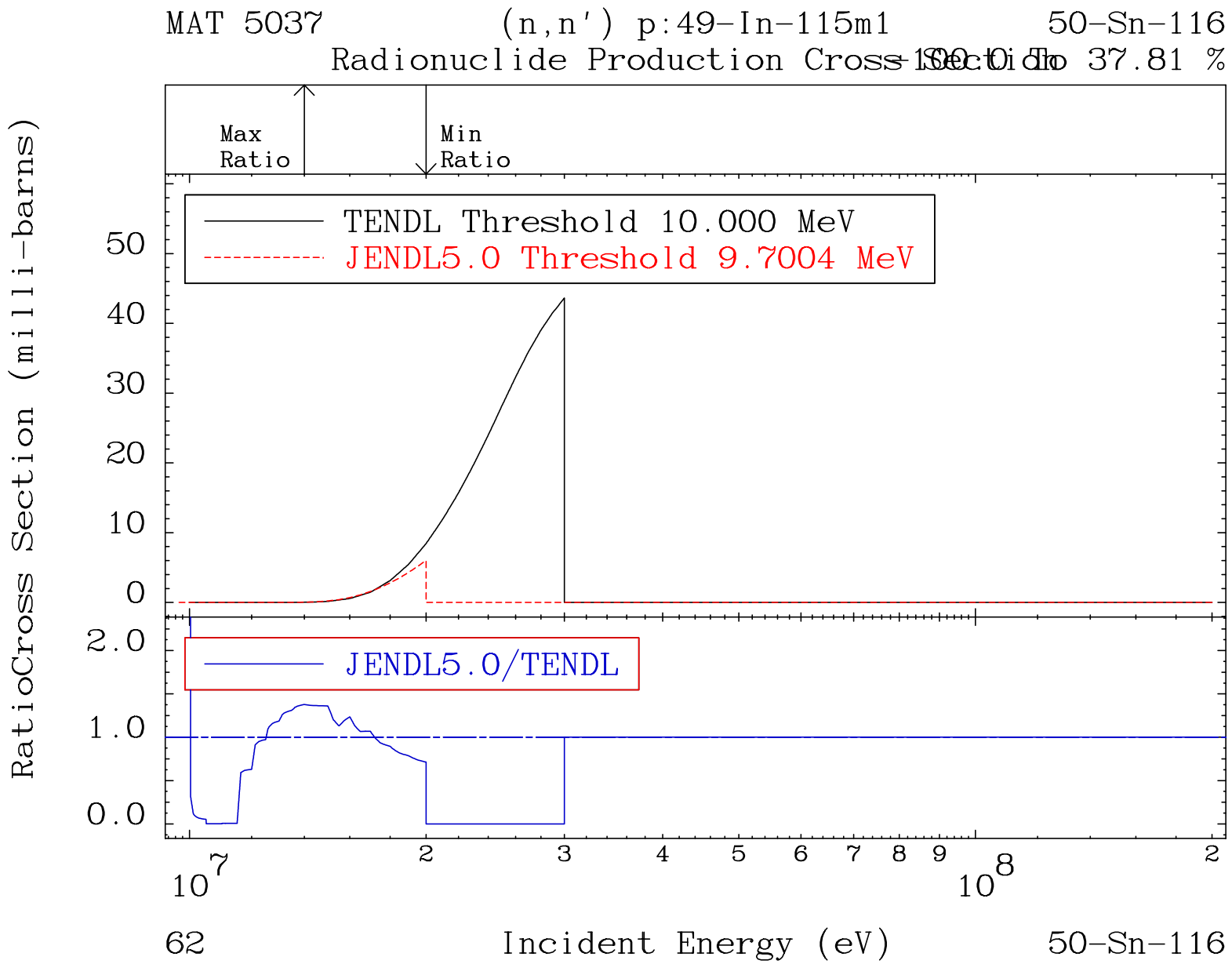

MAT 5037
Dpa total (eV-barns)
50-Sn-116
Cross Section -99.69 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
50-Sn-116

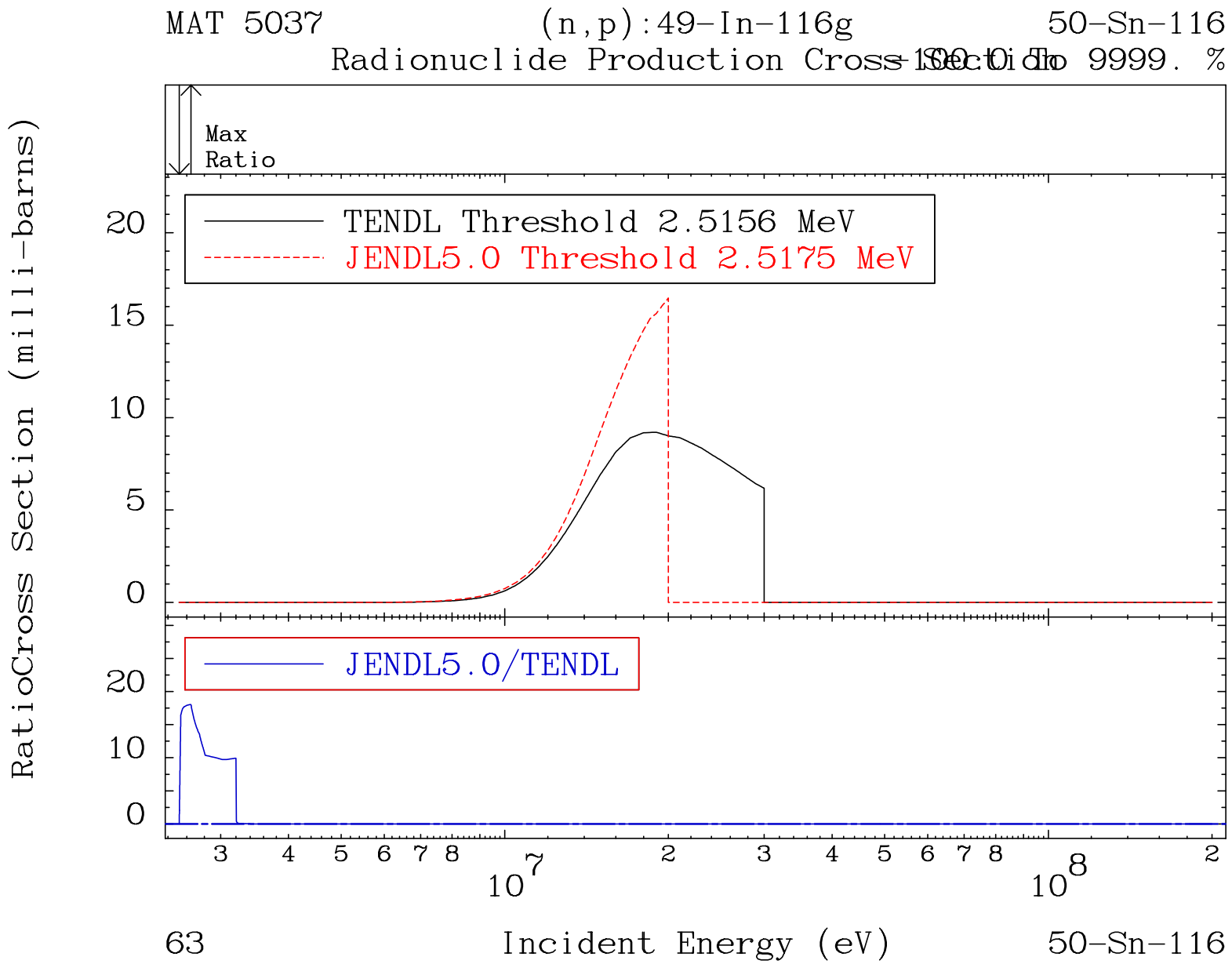

MAT 5037
Dpa elastic (mt2)
Cross Section
50-Sn-116
-99.97 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 675.97 eV
JENDL5.0 Threshold 702.41 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
50-Sn-116

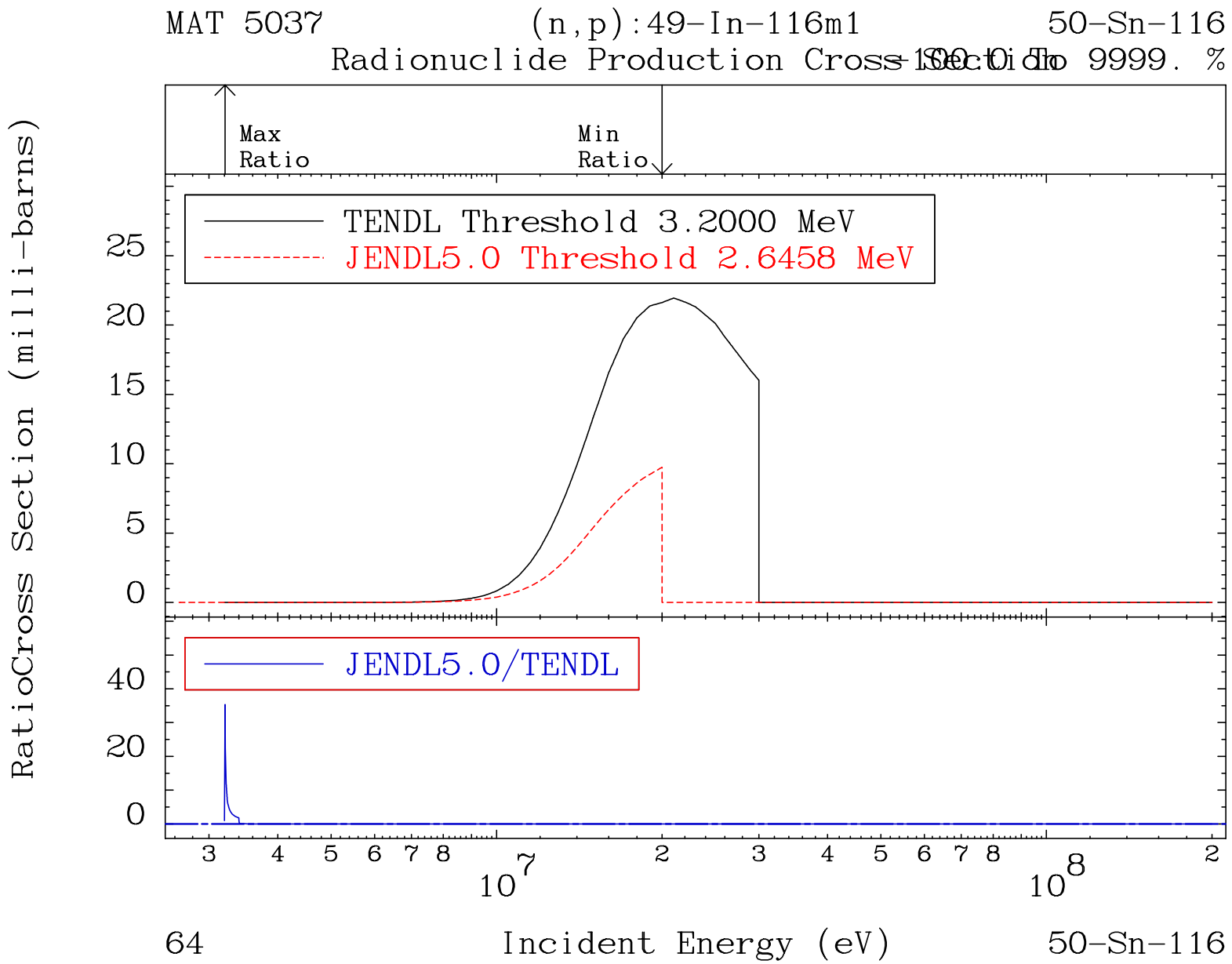

MAT 5037
Dpa inelastic (mt51-91)
50-Sn-116
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.3048 MeV
JENDL5.0 Threshold 105.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
59
50-Sn-116

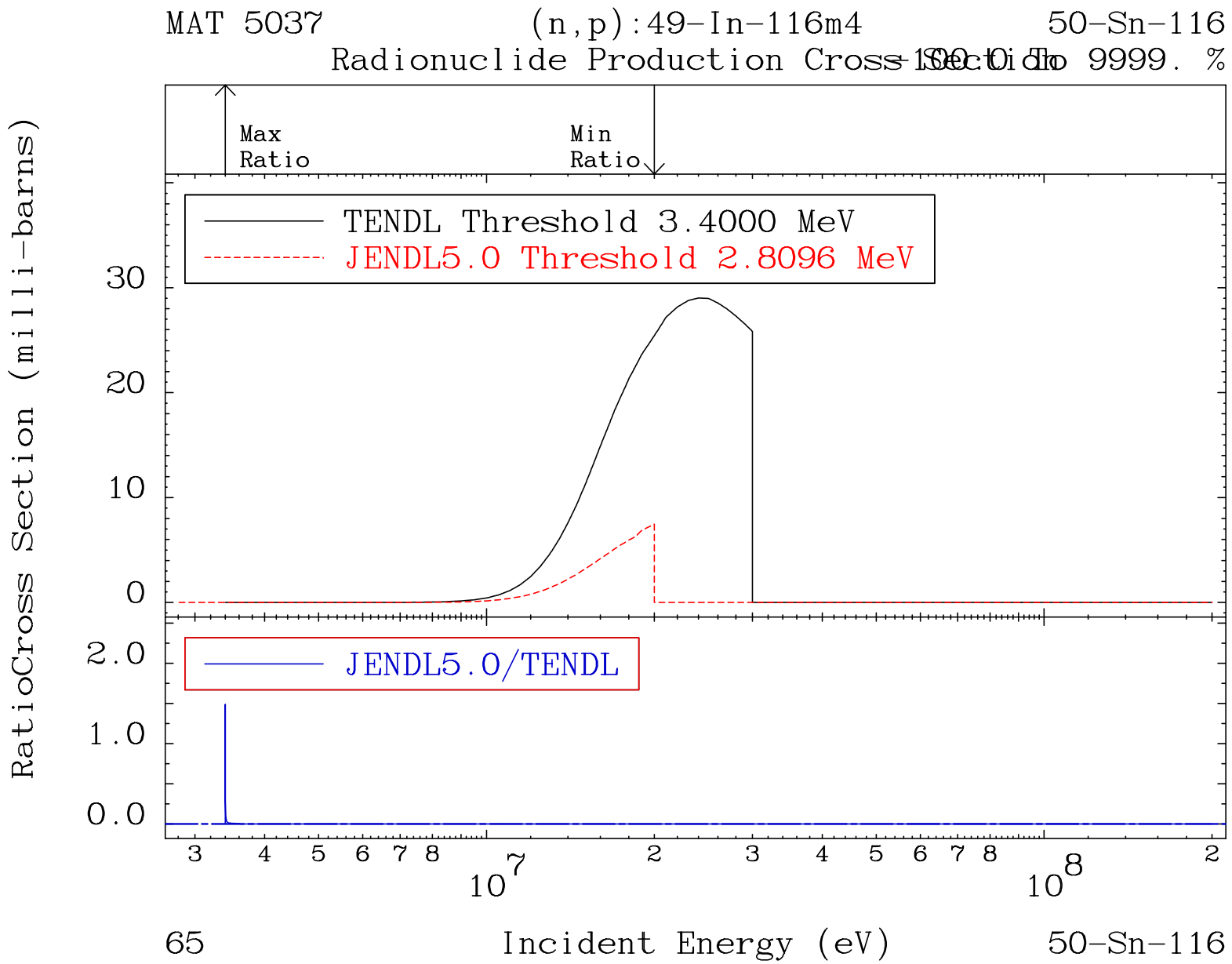

MAT 5037 Dpa disappearance (mt102 -120) 50-Sn-116
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
60
50-Sn-116

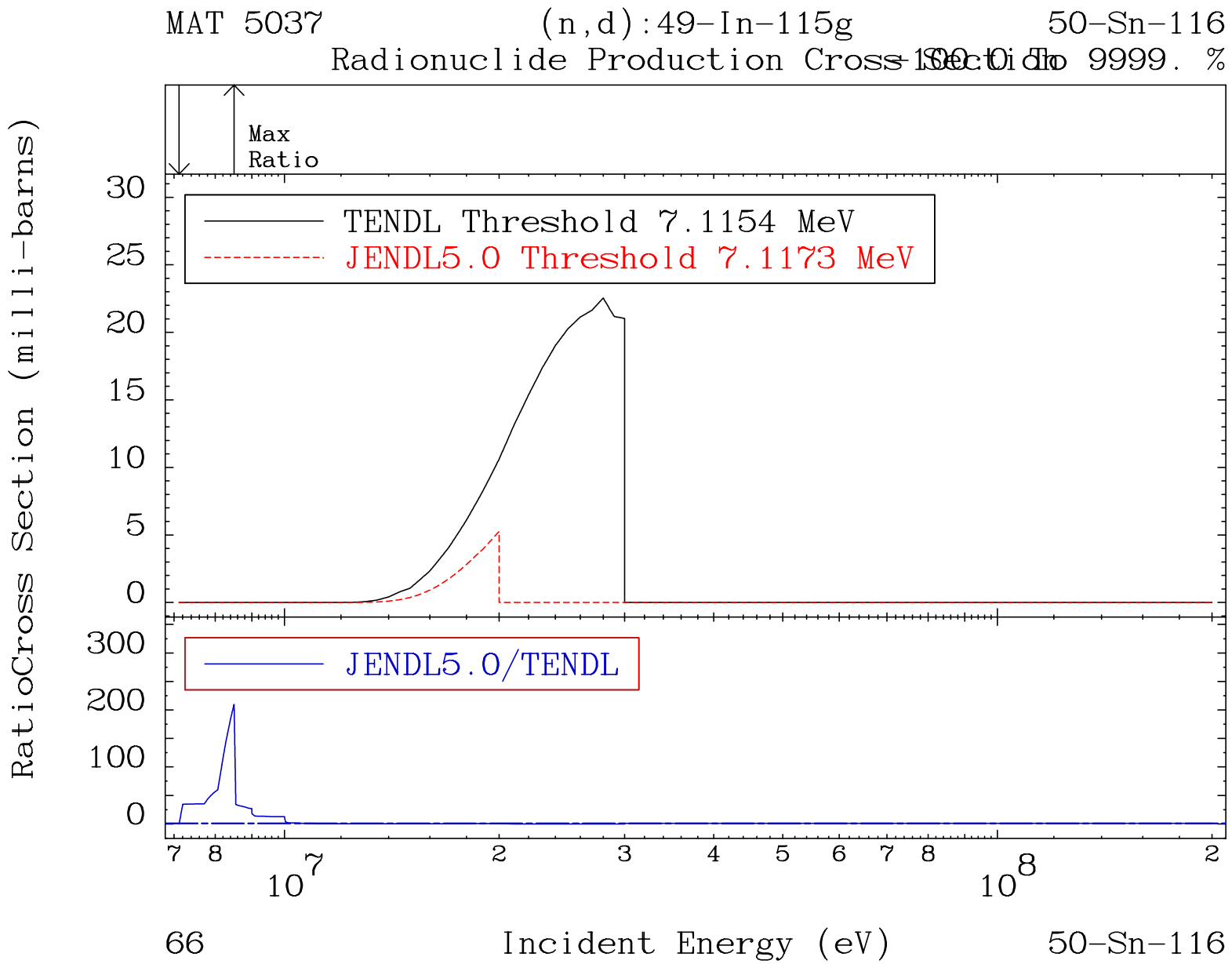

MAT 5037
(n,n') p:49-In-115g
50-Sn-116
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 9.3593 MeV
JENDL5.0 Threshold 9.3612 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
2.0
1.0
0.0
9
2
3
4
5
6
7
8
9
2
10^7
10^8
61
Incident Energy (eV)
50-Sn-116

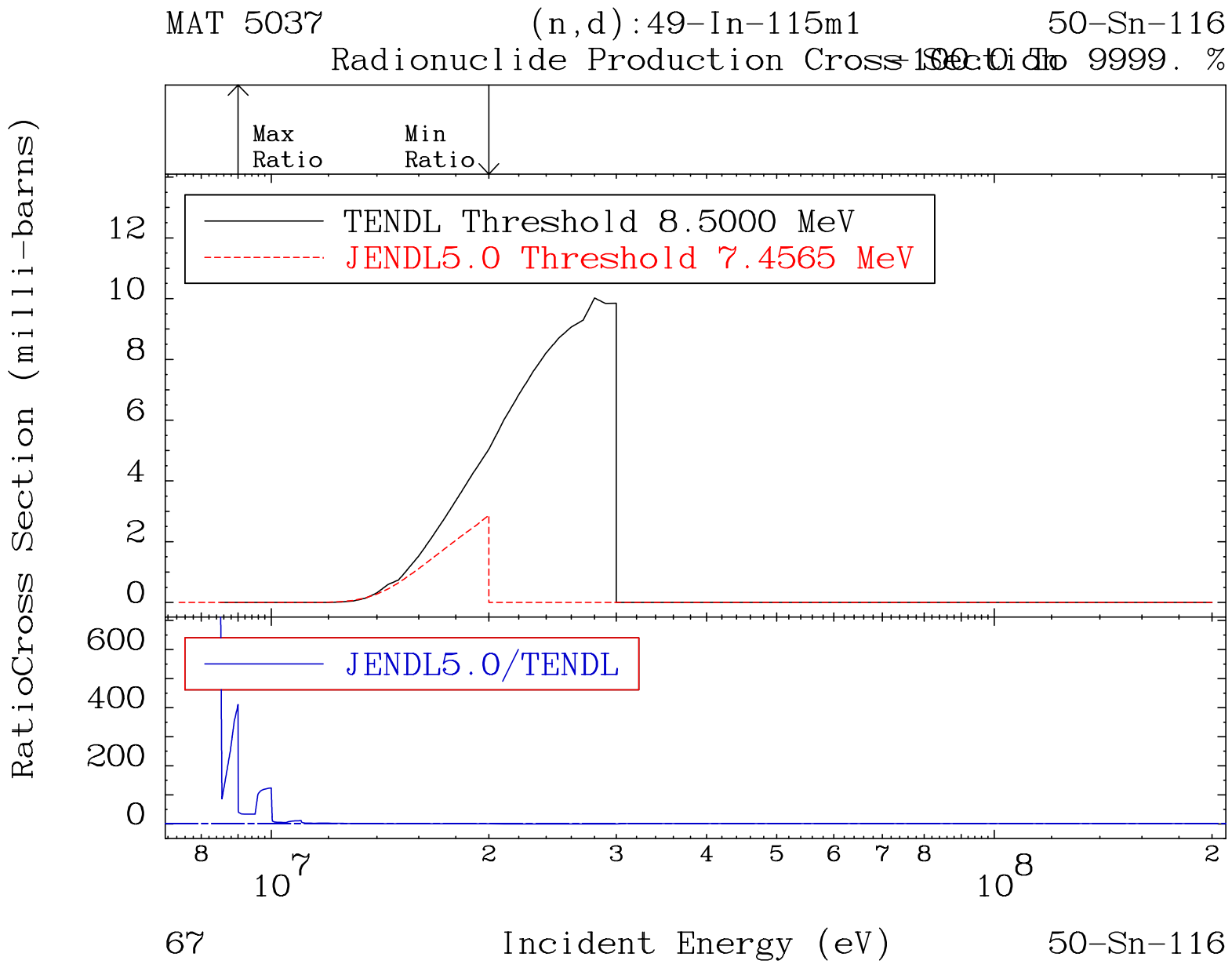

MAT 5037
(n,n') p:49-In-115m1
50-Sn-116
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 10.000 MeV
JENDL5.0 Threshold 9.7004 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
62
50-Sn-116

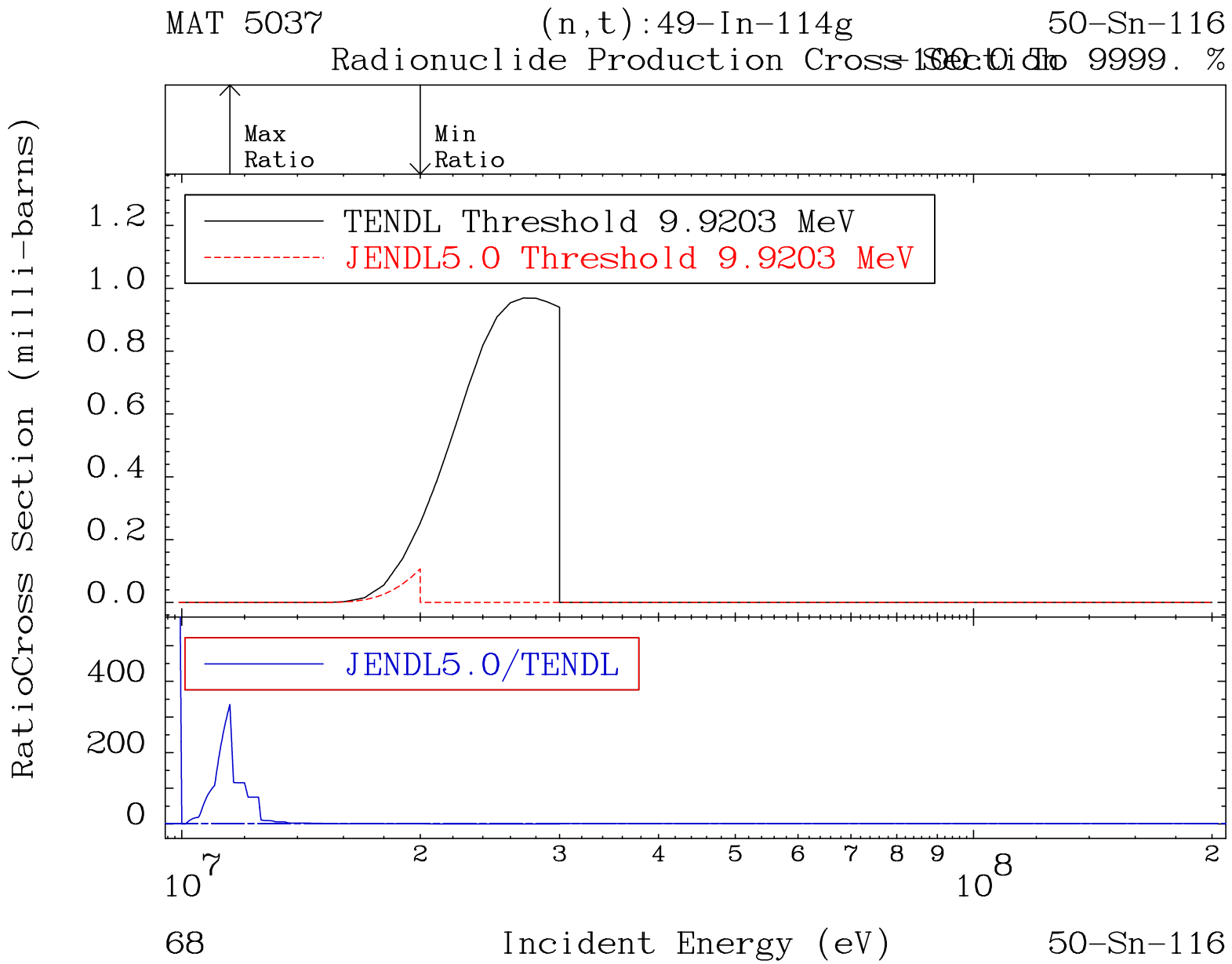

MAT 5037
(n,p):49-In-116g
50-Sn-116
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 2.5156 MeV
JENDL5.0 Threshold 2.5175 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
20
10
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
63
Incident Energy (eV)
50-Sn-116

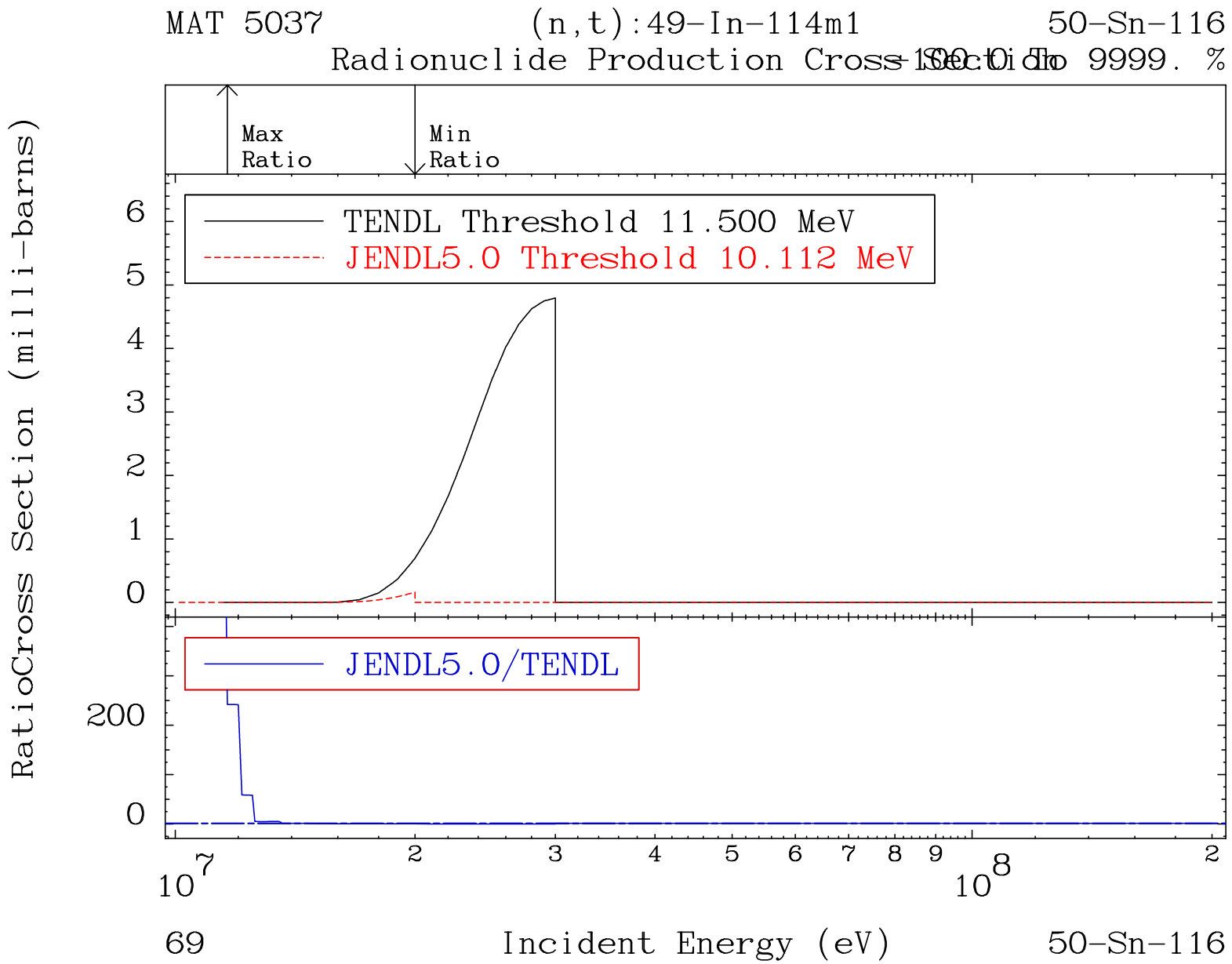

MAT 5037
(n,p):49-In-116m1
50-Sn-116
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 3.2000 MeV
JENDL5.0 Threshold 2.6458 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
64
50-Sn-116


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)
30
20
10
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
65
Incident Energy (eV)
50-Sn-116


MAT 5037
(n,d):49-In-115g
50-Sn-116
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 7.1154 MeV
JENDL5.0 Threshold 7.1173 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
66
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)
67
50-Sn-116


MAT 5037
(n,t):49-In-114g
50-Sn-116
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.9203 MeV
JENDL5.0 Threshold 9.9203 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
400
200
0
10^7
2
3
4
5
6
7
8
9
10^8
2
68
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)
69
50-Sn-116