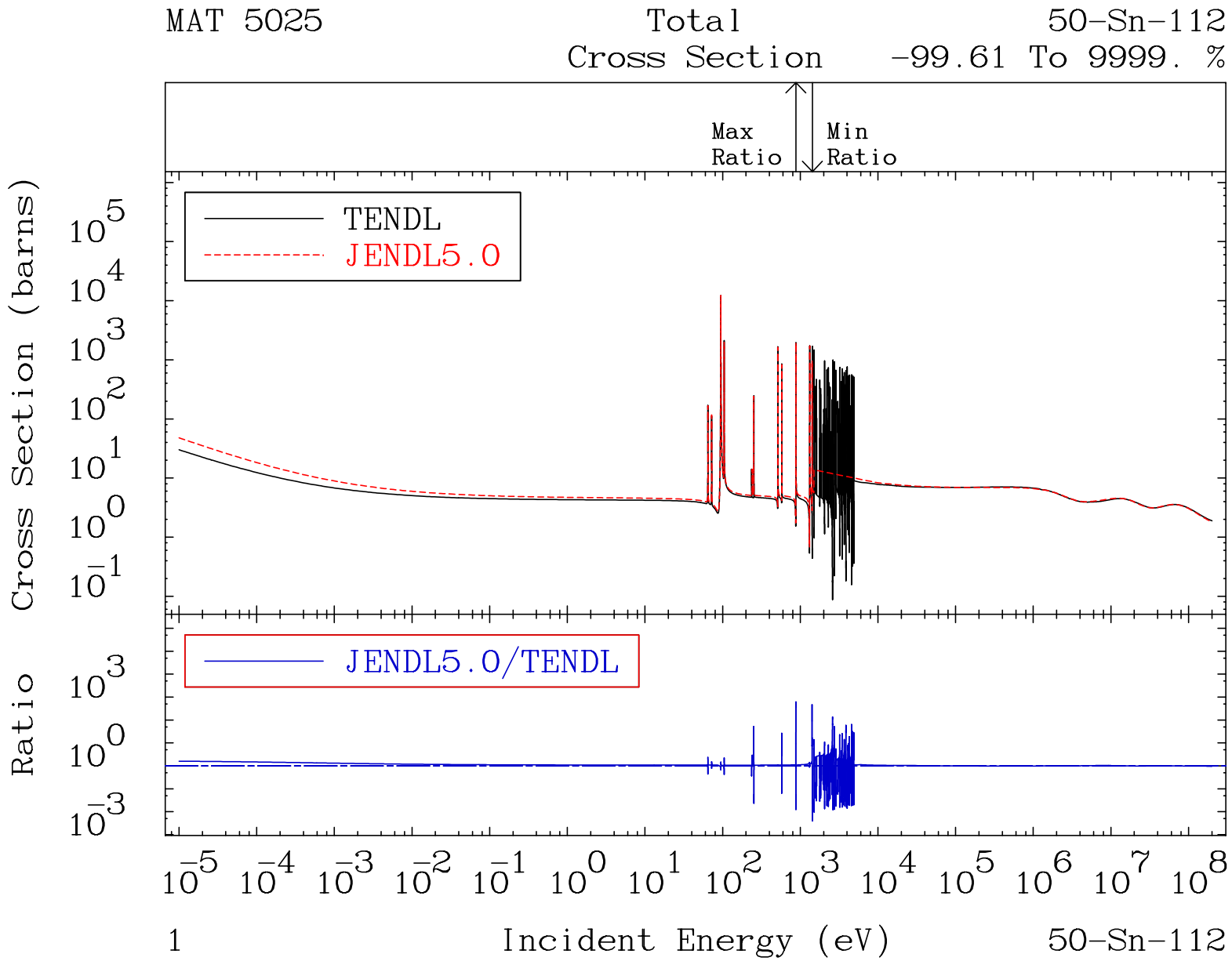
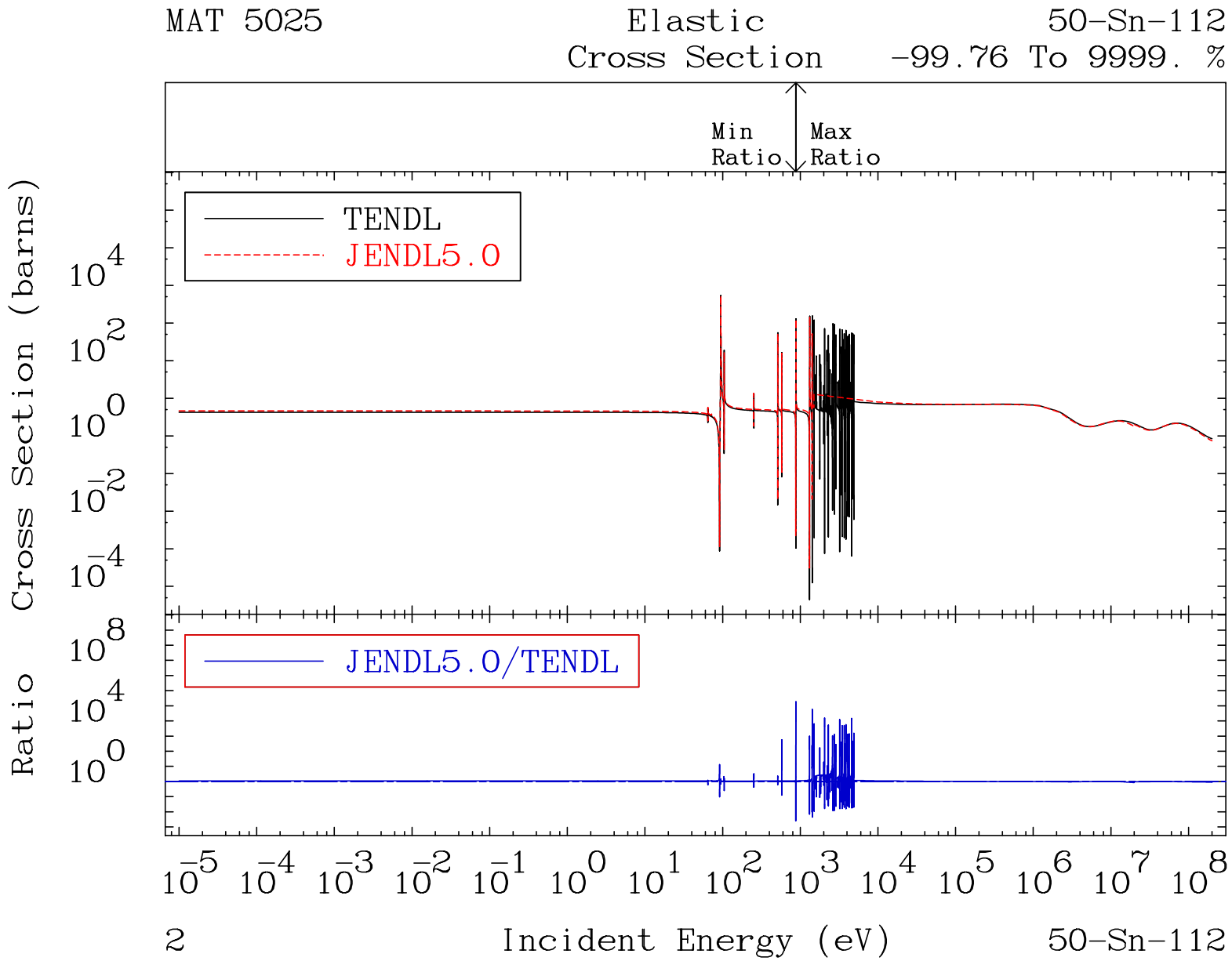
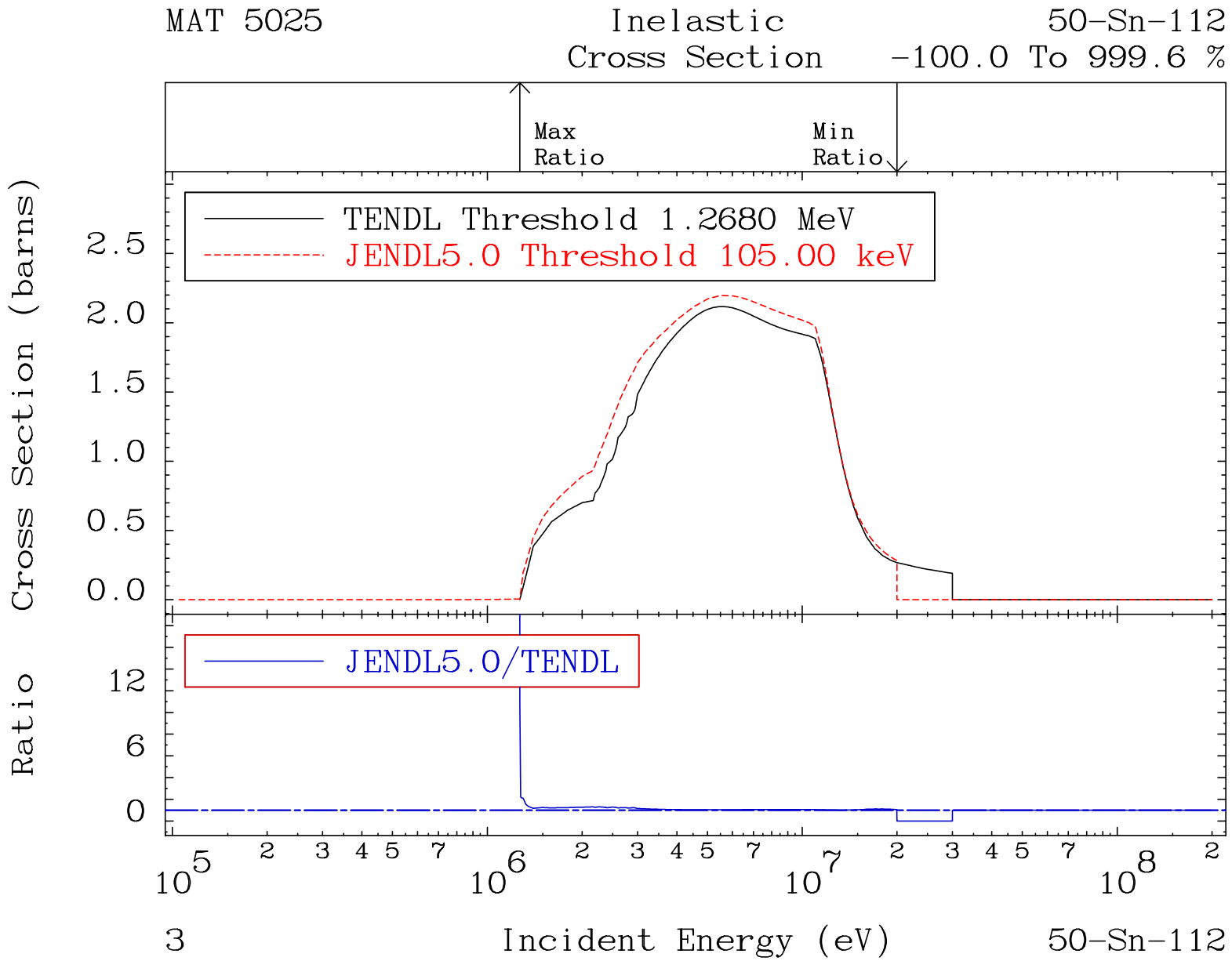
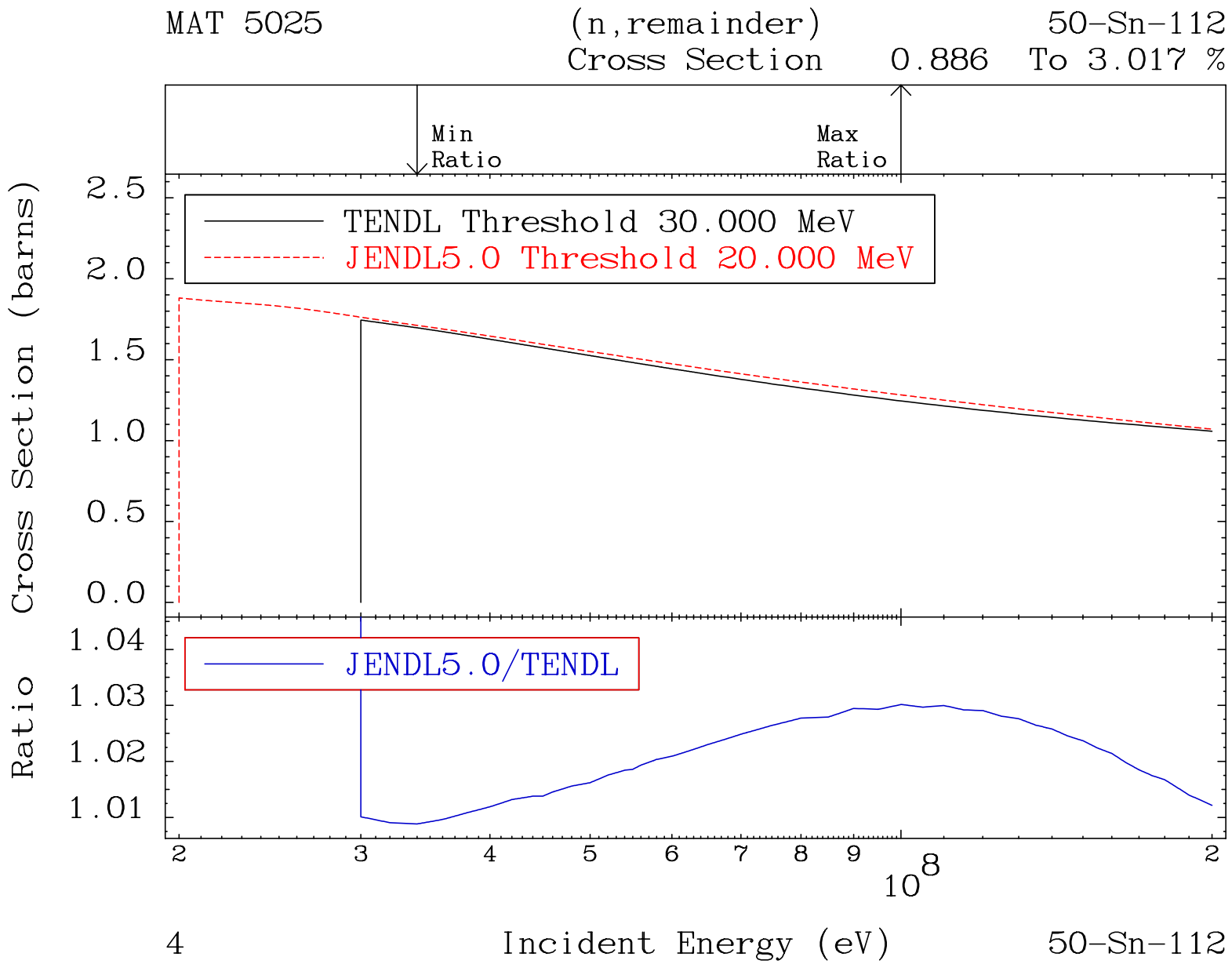
Program Complot
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

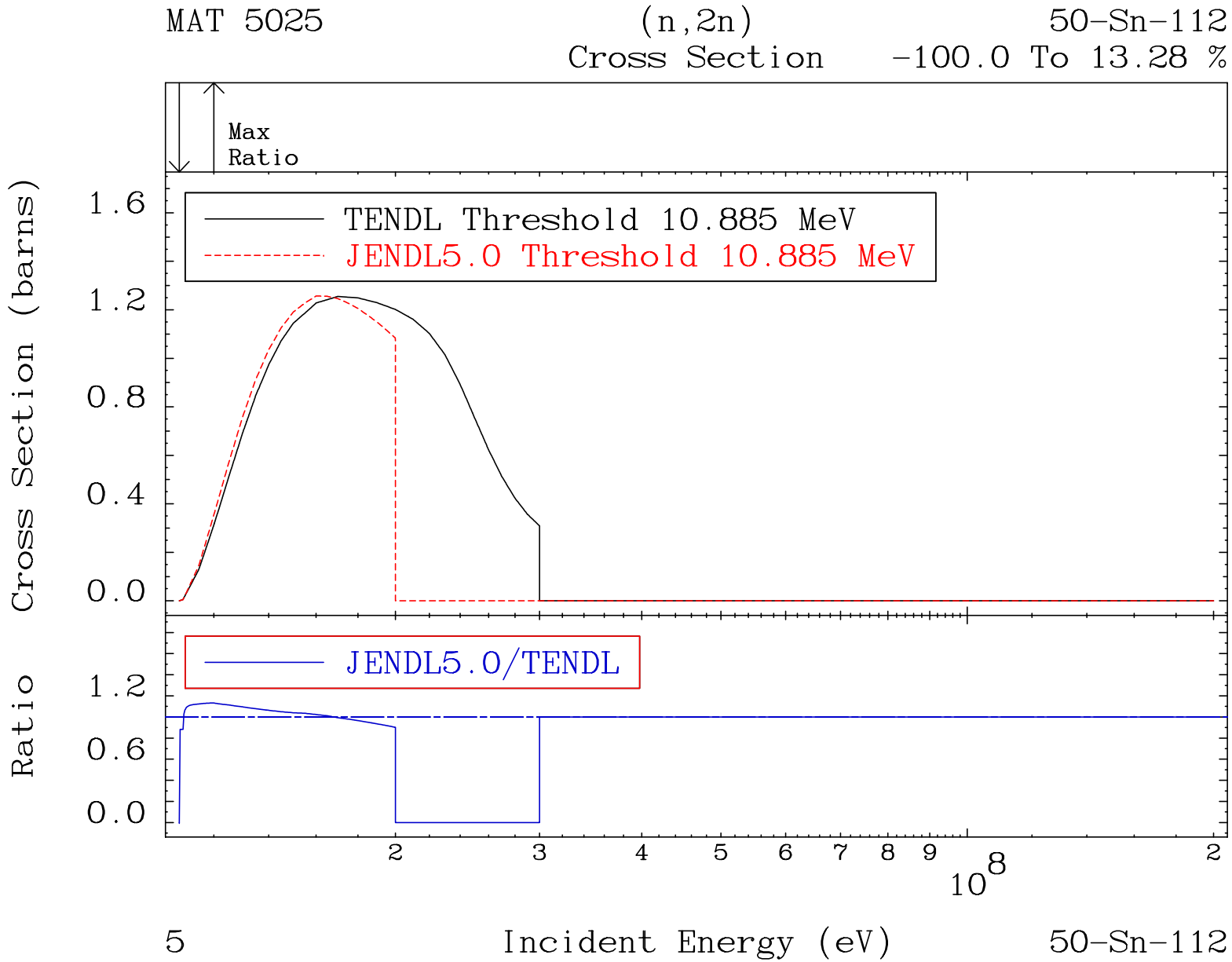
Press Mouse Button to Start

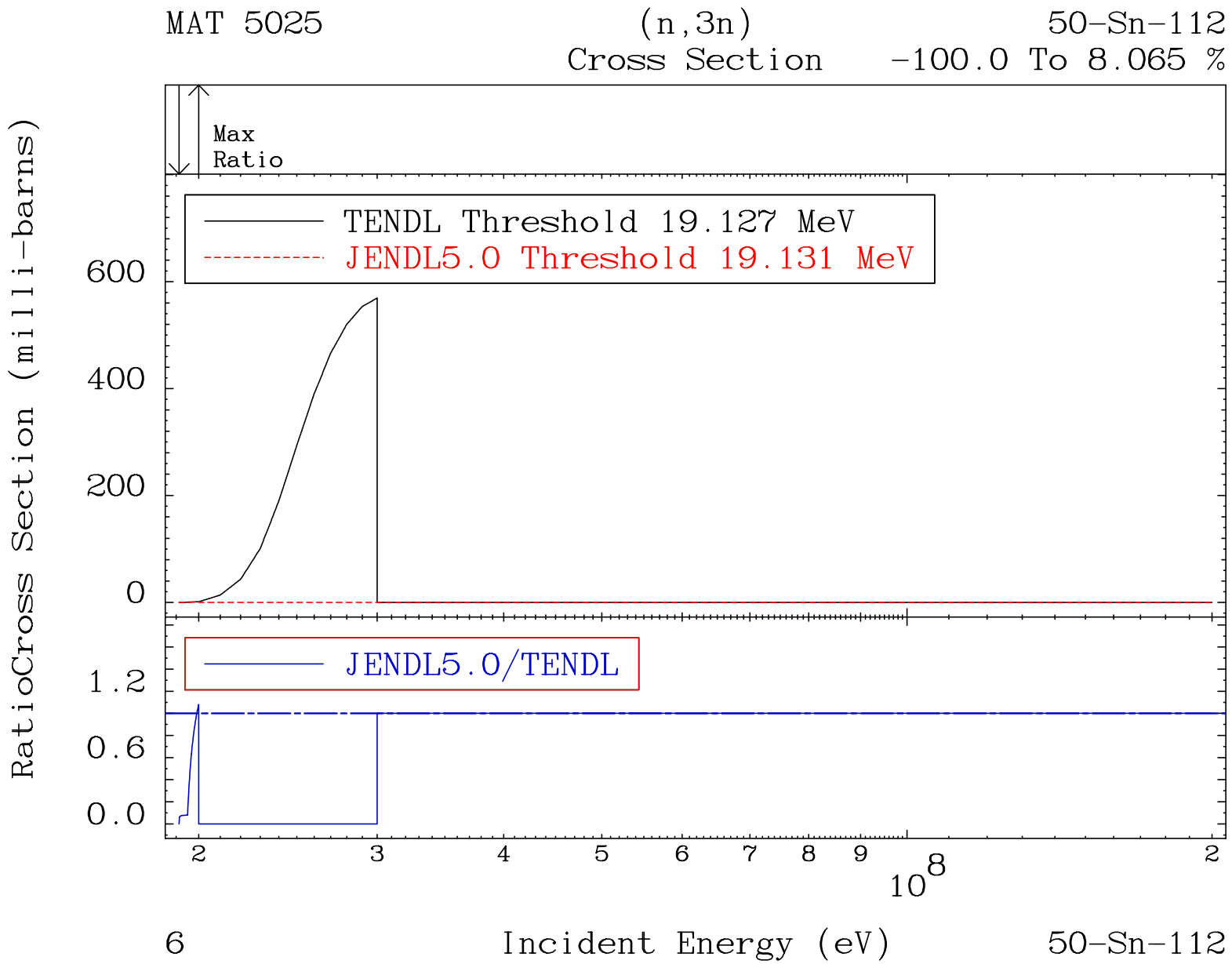

MAT 5025
Total
Cross Section
50-Sn-112
-99.61 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
50-Sn-112

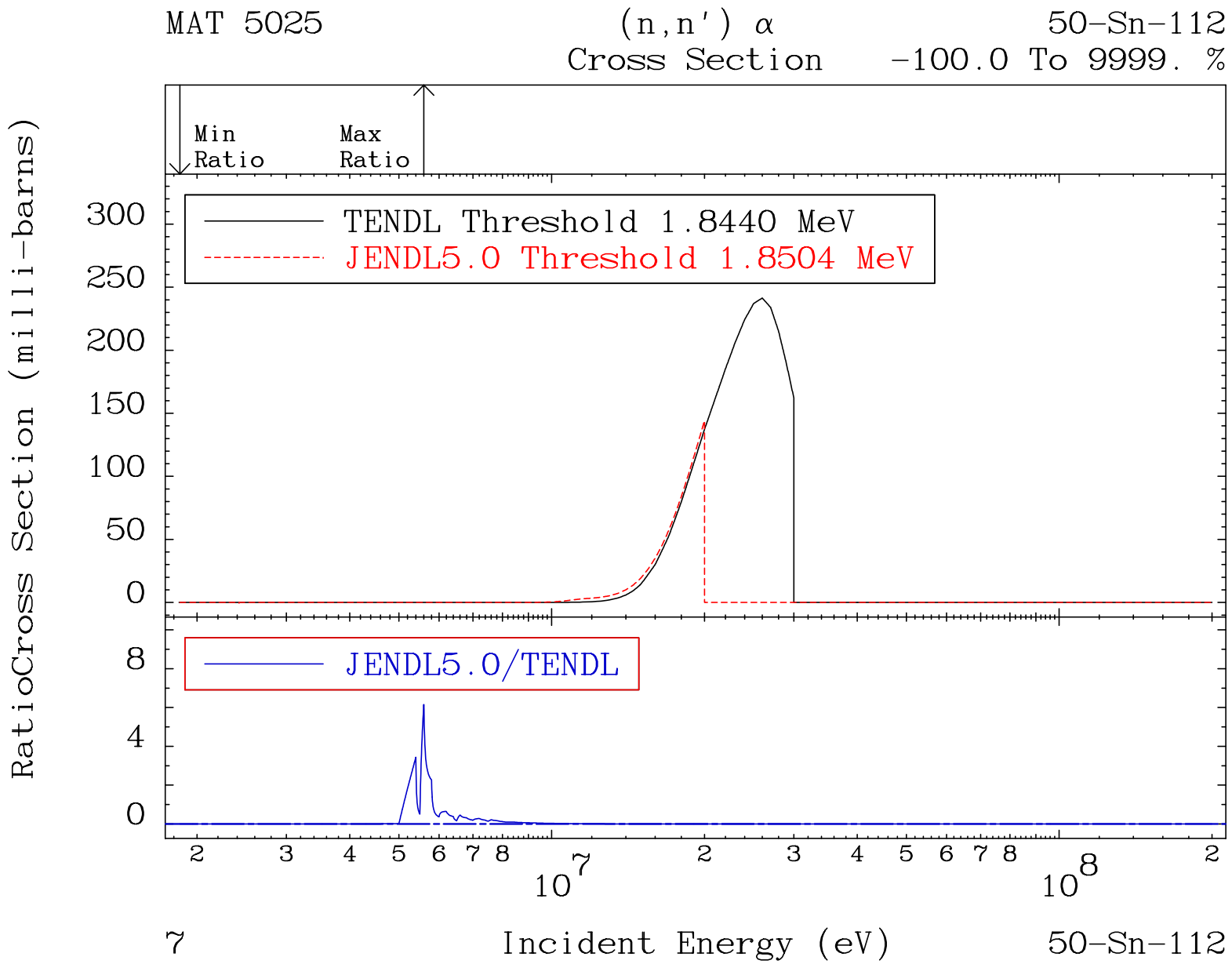

MAT 5025
Elastic
Cross Section
50-Sn-112
-99.76 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
50-Sn-112

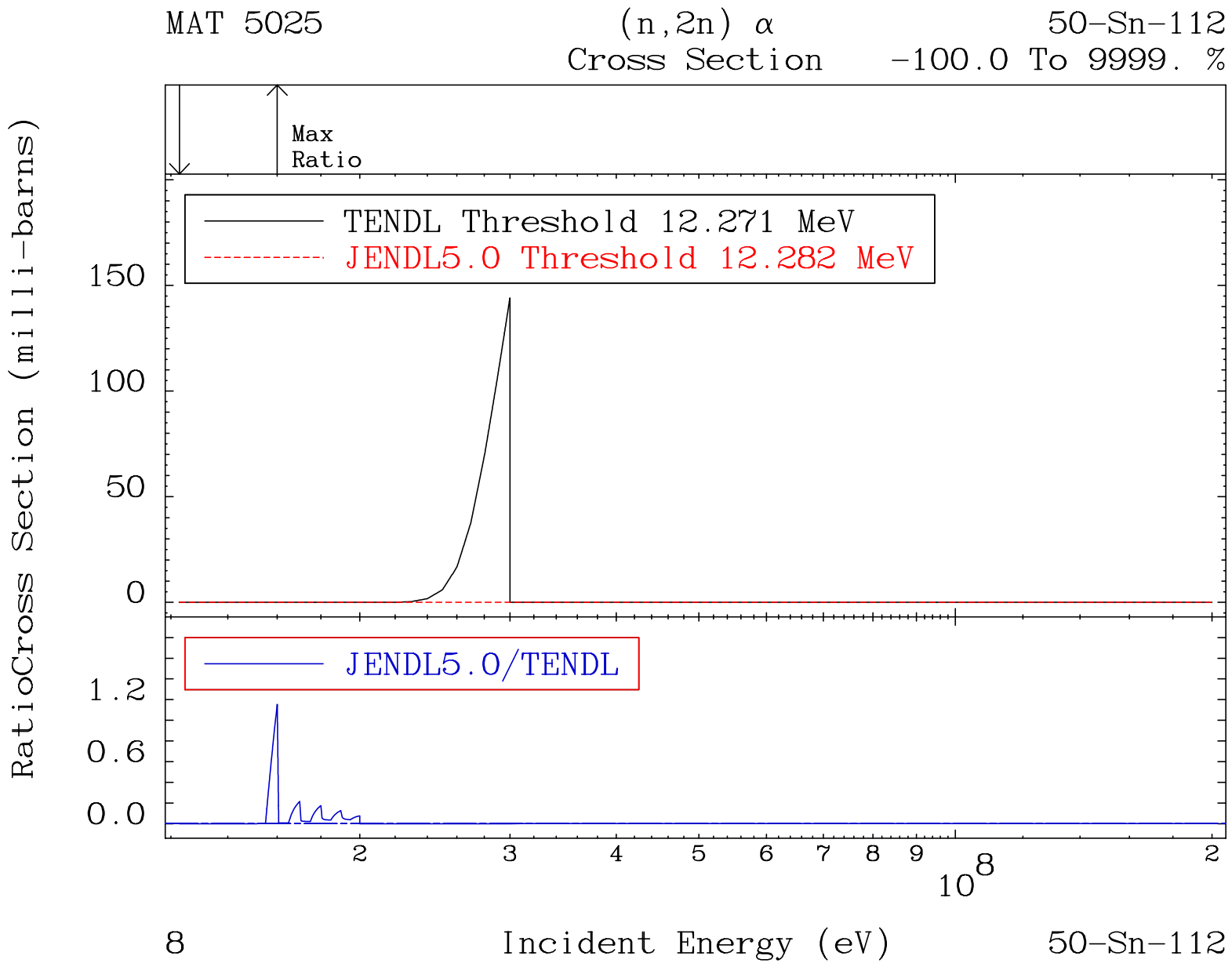

MAT 5025
Inelastic
Cross Section
50-Sn-112
-100.0 To 999.6 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.2680 MeV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
12
6
0
10^5
10^6
10^7
10^8
Incident Energy (eV)
3
50-Sn-112

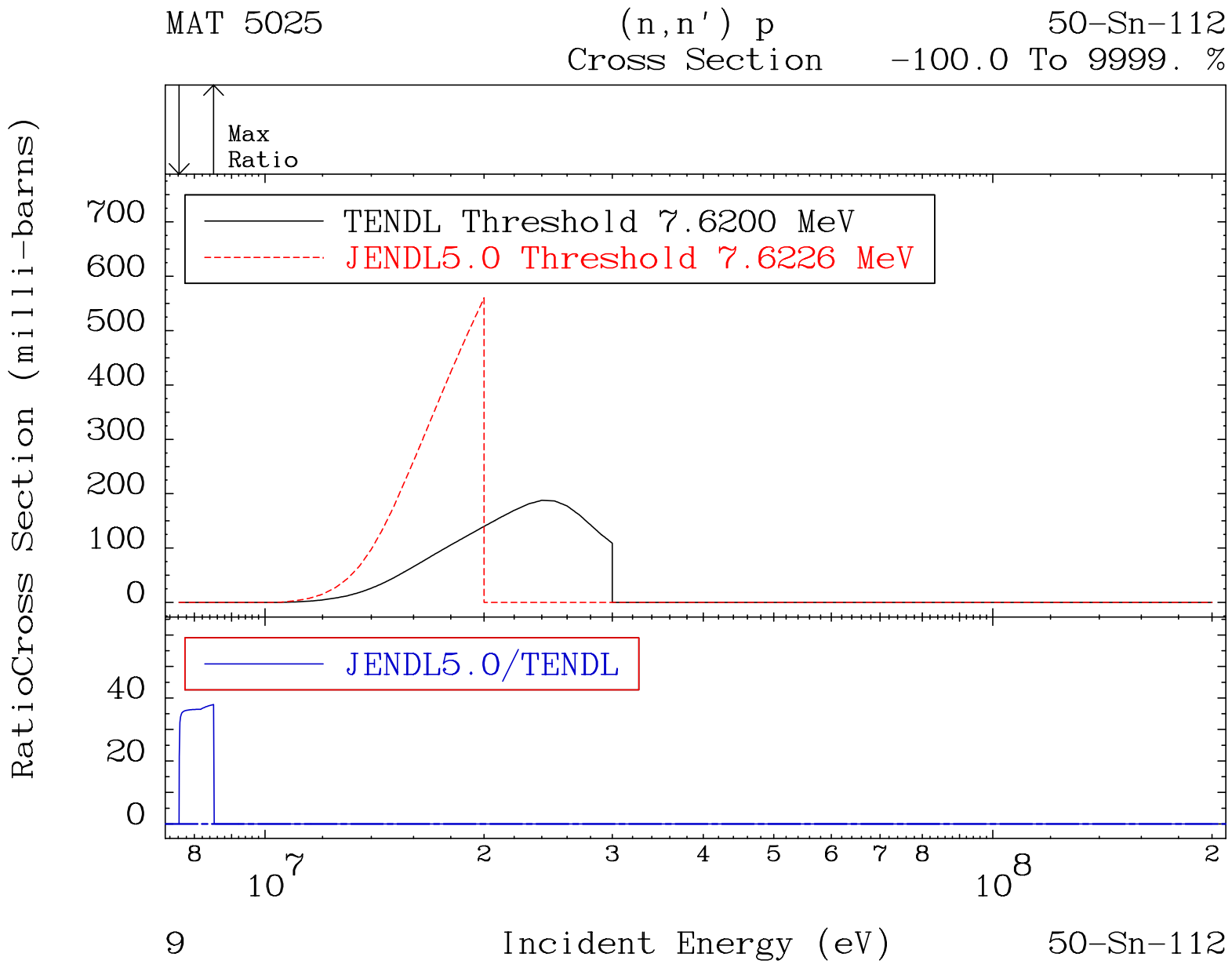

MAT 5025
(n,remainder)
50-Sn-112
Cross Section
0.886
To 3.017 %
Min
Ratio
Max
Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
1.04
1.03
1.02
1.01
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
50-Sn-112

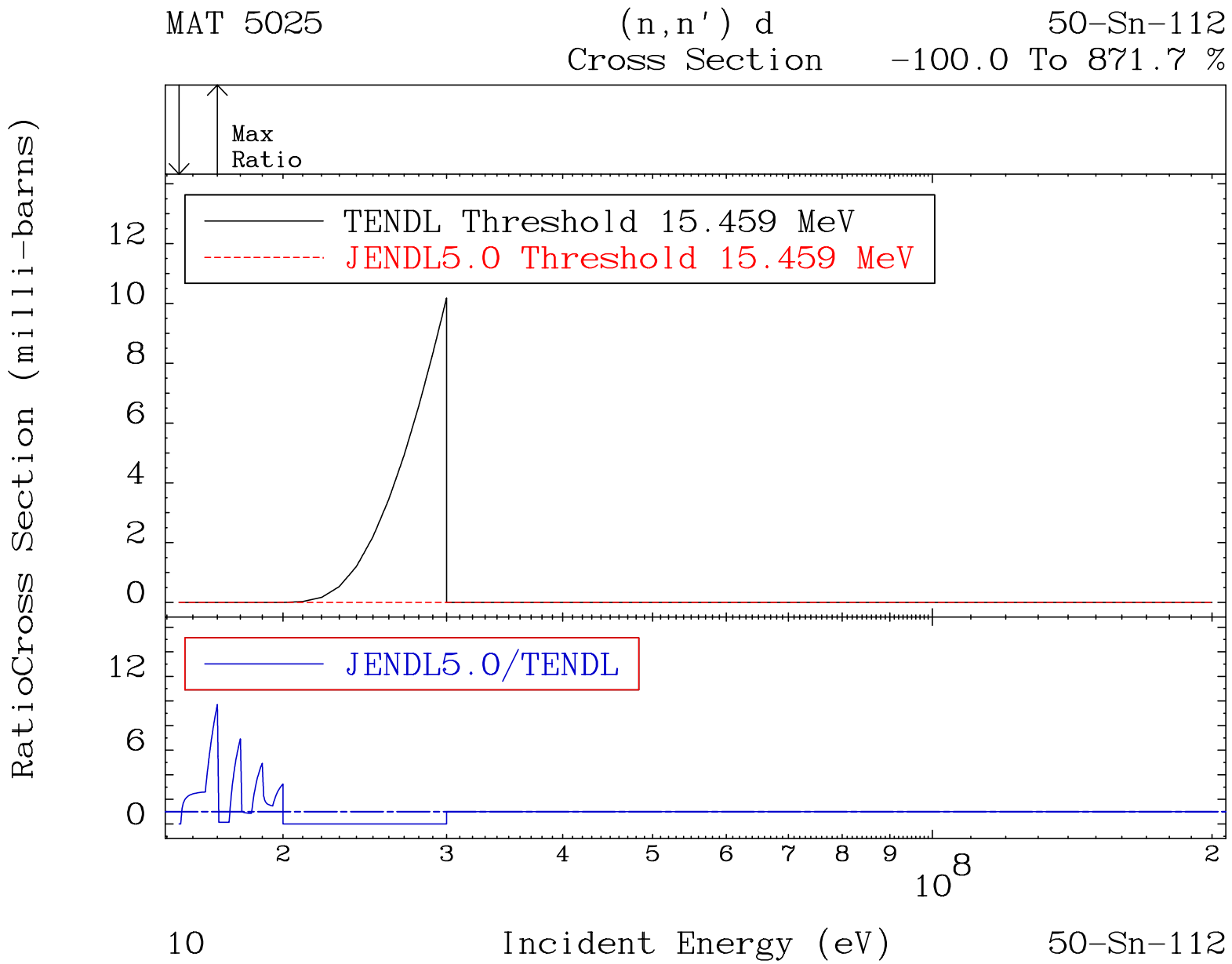

MAT 5025
(n,2n)
Cross Section
50-Sn-112
-100.0 To 13.28 %
Max
Ratio
TENDL Threshold 10.885 MeV
JENDL5.0 Threshold 10.885 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
50-Sn-112

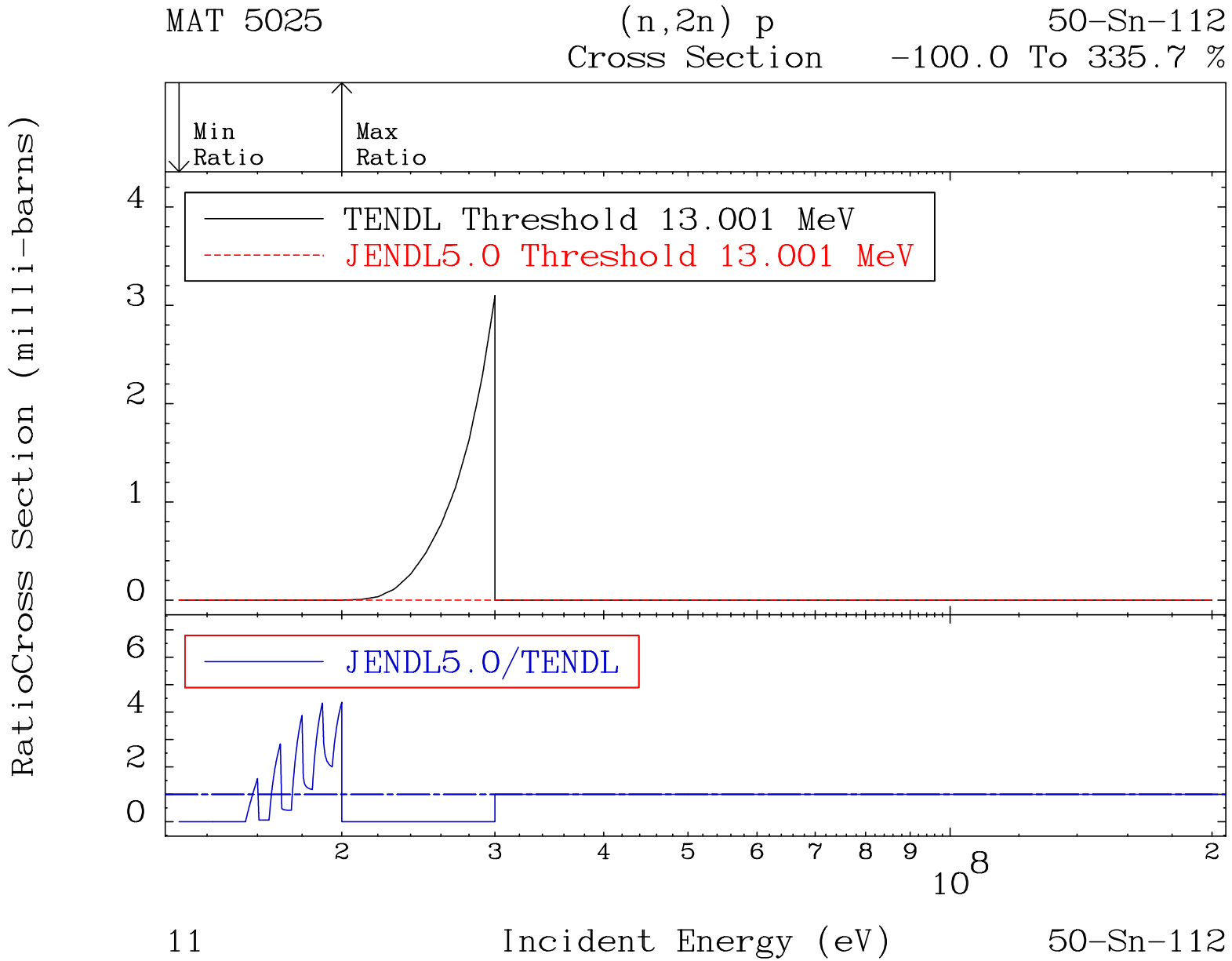

MAT 5025
(n,3n)
Cross Section
50-Sn-112
-100.0 To 8.065 %
Max
Ratio
TENDL Threshold 19.127 MeV
JENDL5.0 Threshold 19.131 MeV
600
400
200
0
JENDL5.0/TENDL
1.2
0.6
0.0
RatioCross Section (milli-barns)
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
50-Sn-112

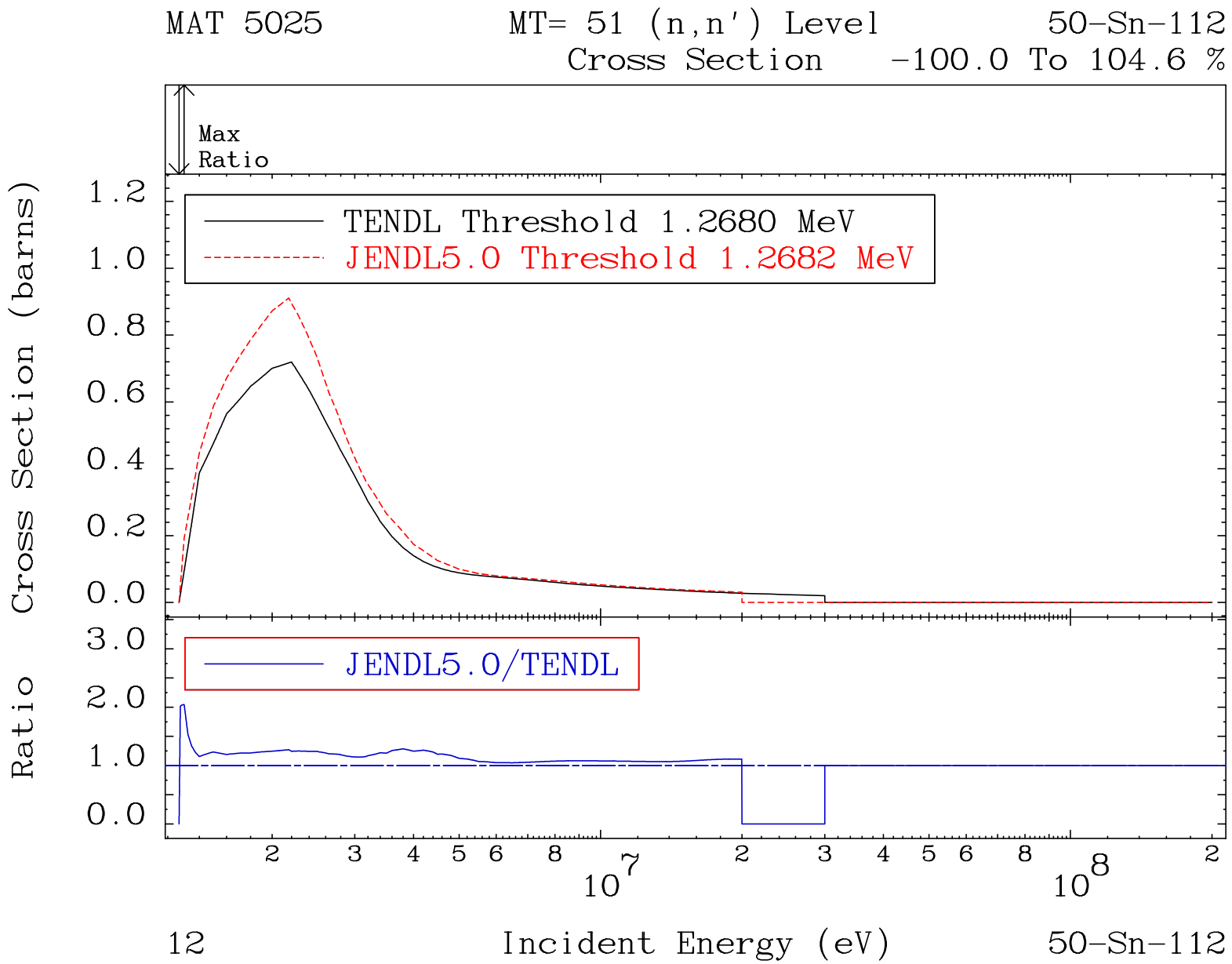

MAT 5025
(n,n') α
Cross Section
50-Sn-112
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.8440 MeV
JENDL5.0 Threshold 1.8504 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
8
4
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
7
Incident Energy (eV)
50-Sn-112

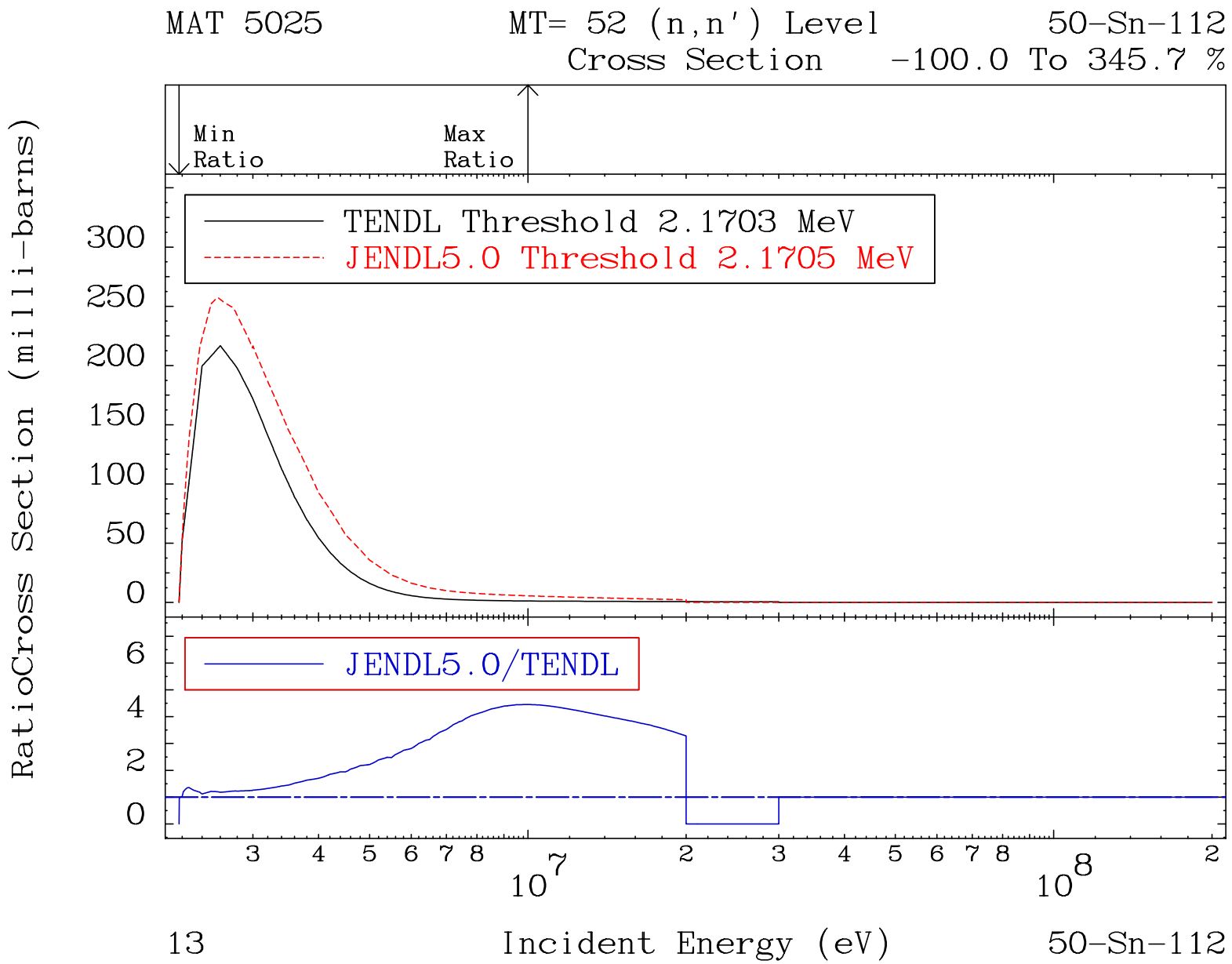

MAT 5025
(n,2n) α
Cross Section
50-Sn-112
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 12.271 MeV
JENDL5.0 Threshold 12.282 MeV
150
100
50
0
JENDL5.0/TENDL
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (milli-barns)
8
Incident Energy (eV)
50-Sn-112

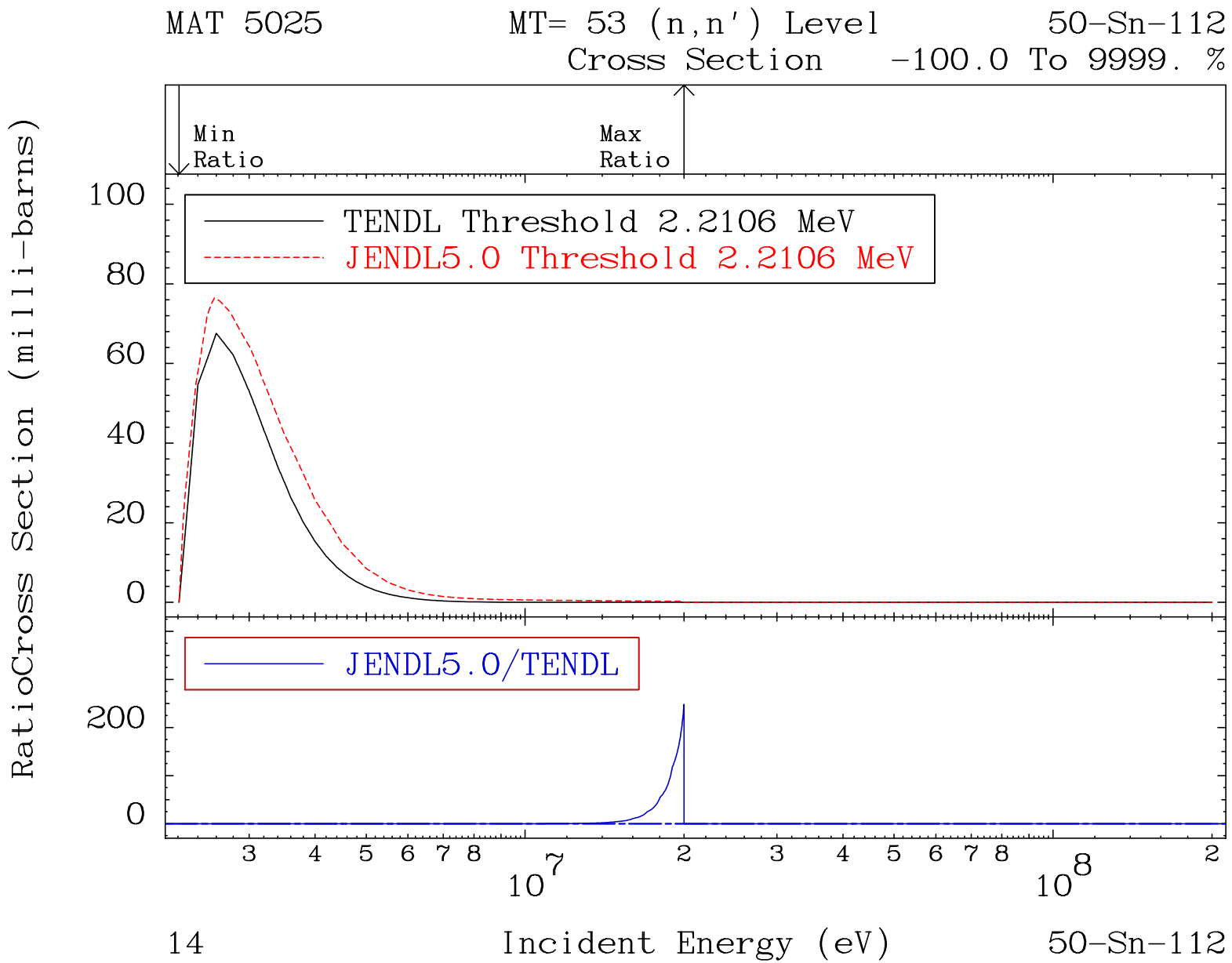

MAT 5025
(n,n') p
Cross Section
50-Sn-112
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 7.6200 MeV
JENDL5.0 Threshold 7.6226 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
700
600
500
400
300
200
100
0
40
20
0
8
2
3
4
5
6
7
8
2
10^7
10^8
9
Incident Energy (eV)
50-Sn-112

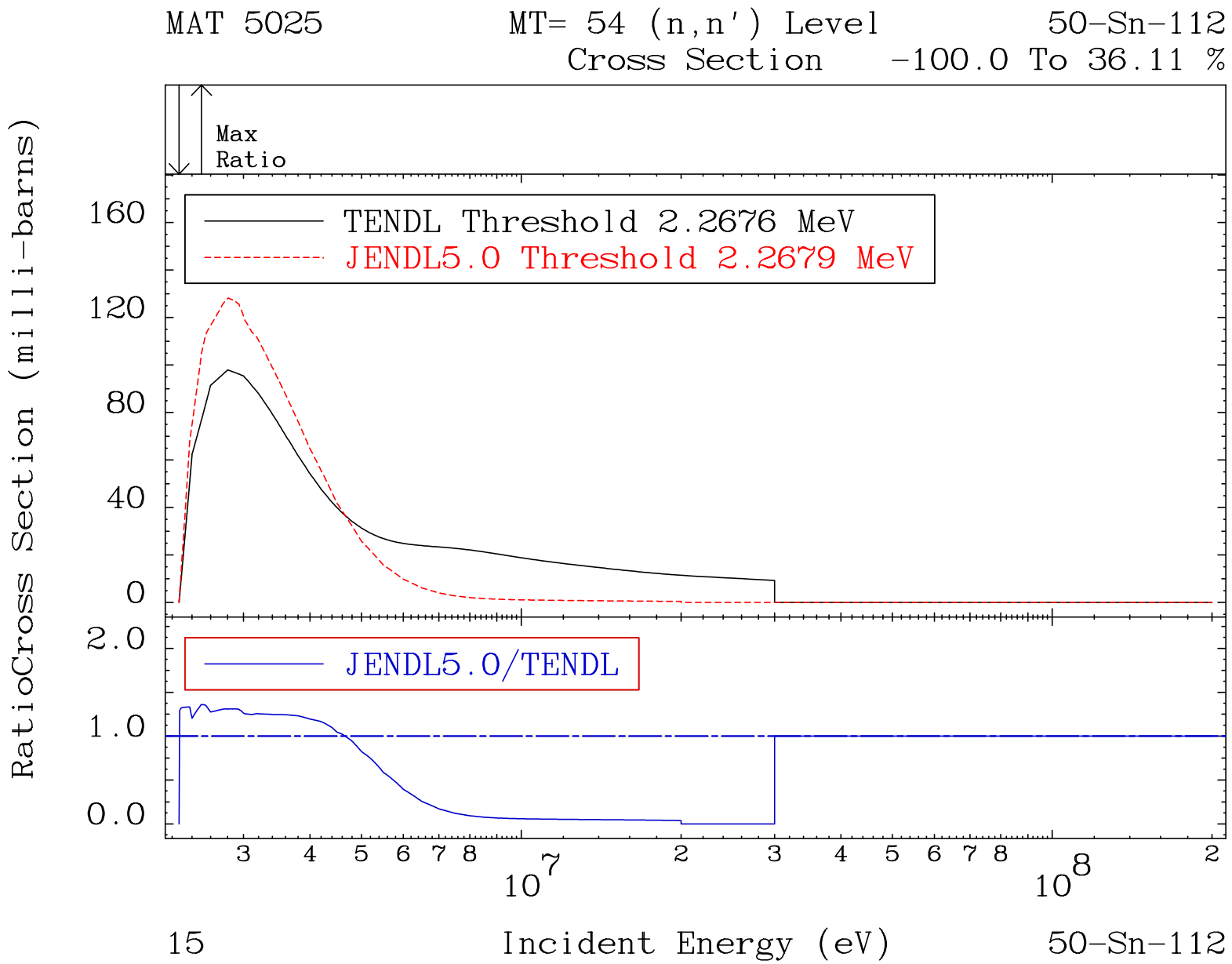

MAT 5025
(n,n') d
Cross Section
50-Sn-112
-100.0 To 871.7 %
Max
Ratio
TENDL Threshold 15.459 MeV
JENDL5.0 Threshold 15.459 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
12
6
0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
50-Sn-112

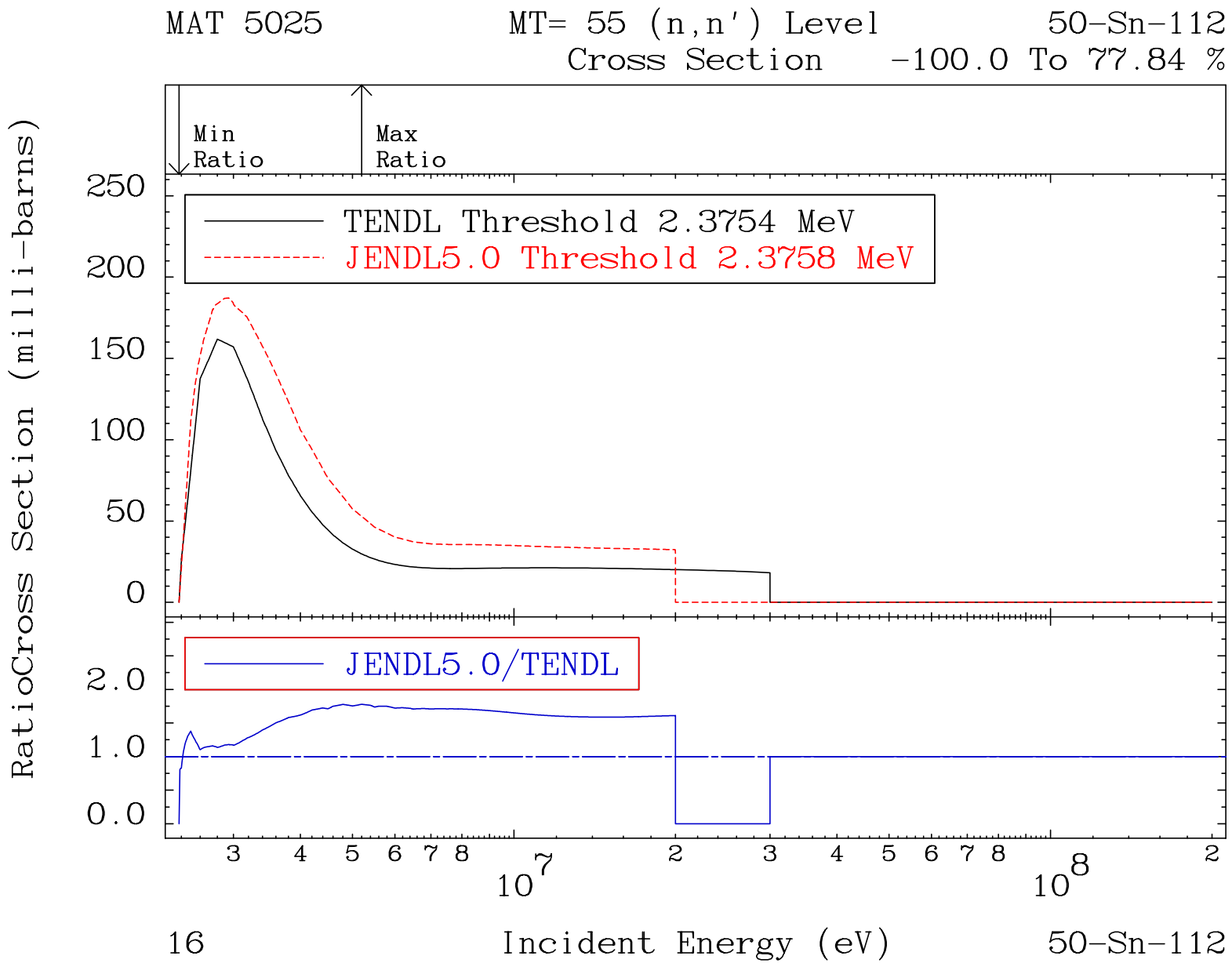

MAT 5025
(n,2n) p
Cross Section
50-Sn-112
-100.0 To 335.7 %
Min Ratio
Max Ratio
TENDL Threshold 13.001 MeV
JENDL5.0 Threshold 13.001 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
11
50-Sn-112

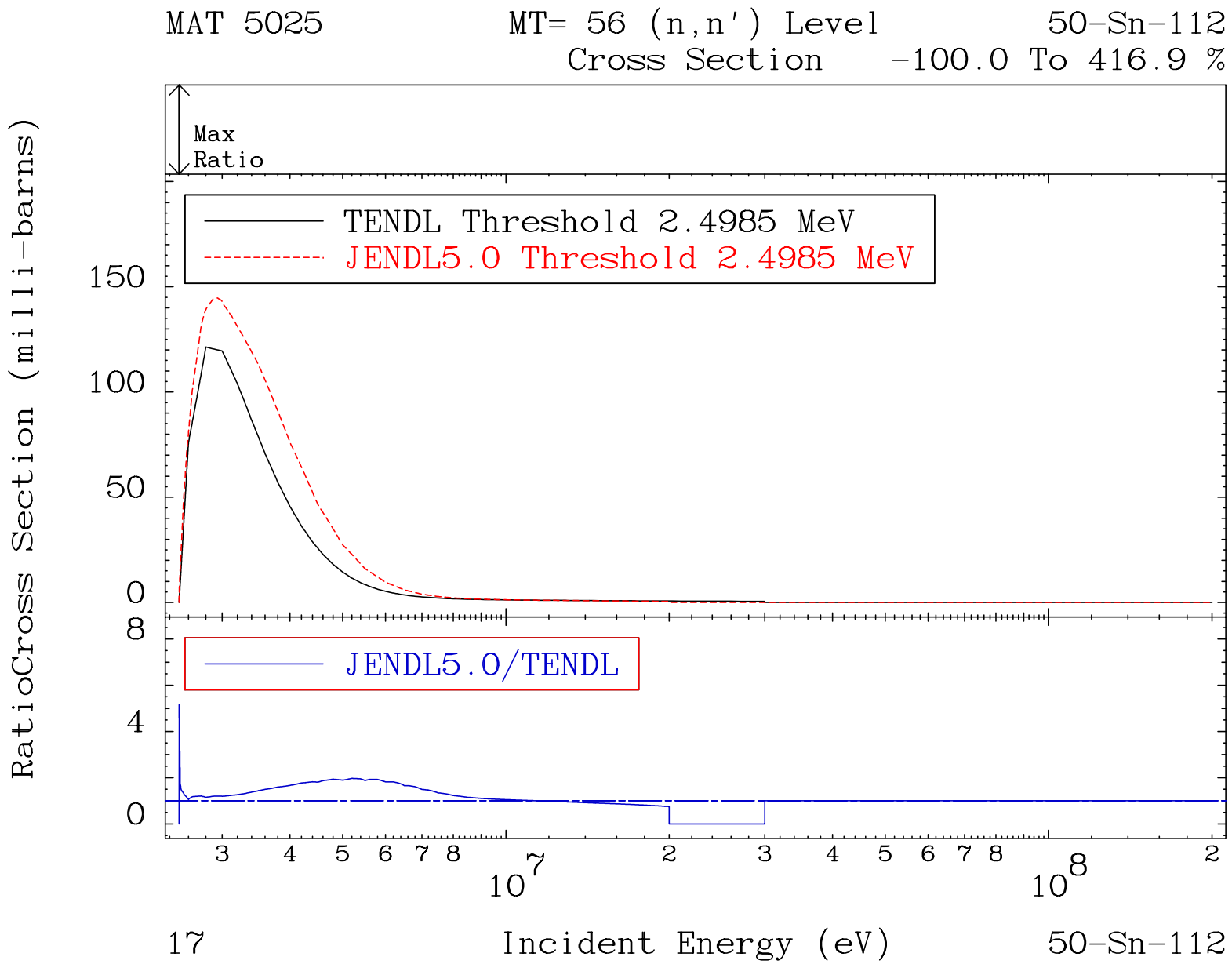

MAT 5025
MT= 51 (n,n') Level
50-Sn-112
Cross Section
-100.0 To 104.6 %
Max
Ratio
TENDL Threshold 1.2680 MeV
JENDL5.0 Threshold 1.2682 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
3.0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
10^8
12
Incident Energy (eV)
50-Sn-112

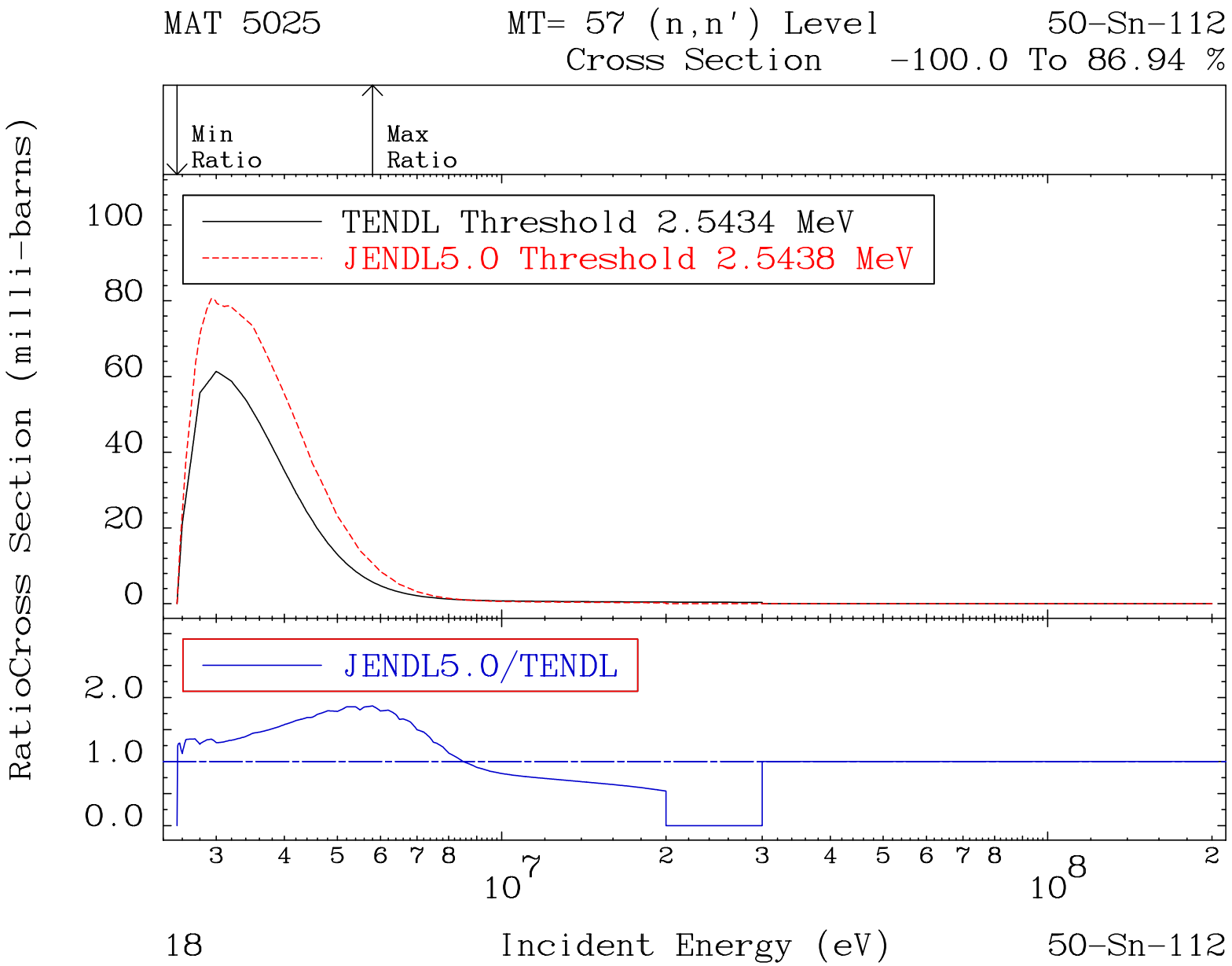

MAT 5025
MT= 52 (n,n') Level
50-Sn-112
Cross Section
-100.0 To 345.7 %
Min Ratio
Max Ratio
TENDL Threshold 2.1703 MeV
JENDL5.0 Threshold 2.1705 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
6
4
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
50-Sn-112

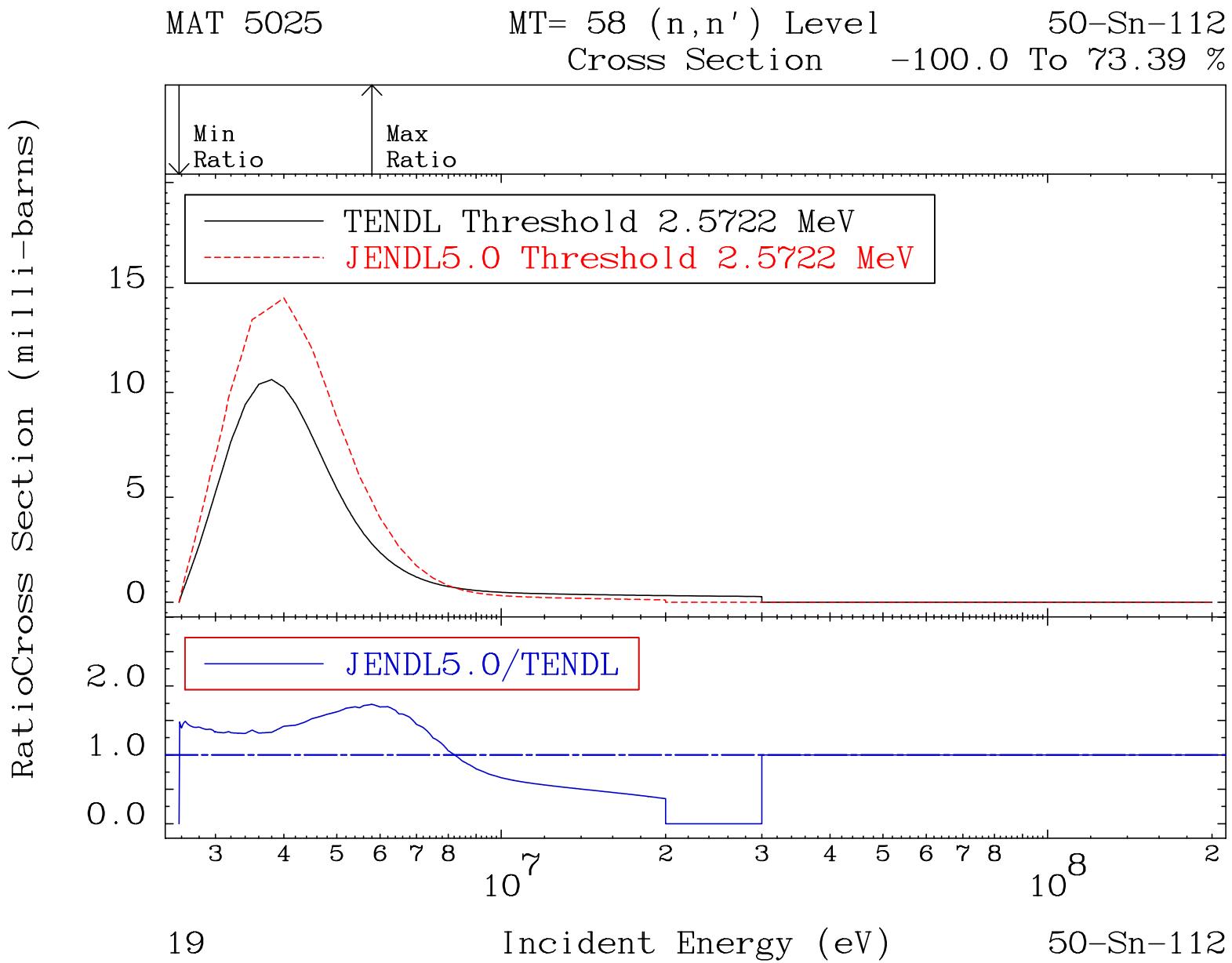

MAT 5025
MT= 53 (n,n') Level
50-Sn-112
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.2106 MeV
JENDL5.0 Threshold 2.2106 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
200
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
50-Sn-112

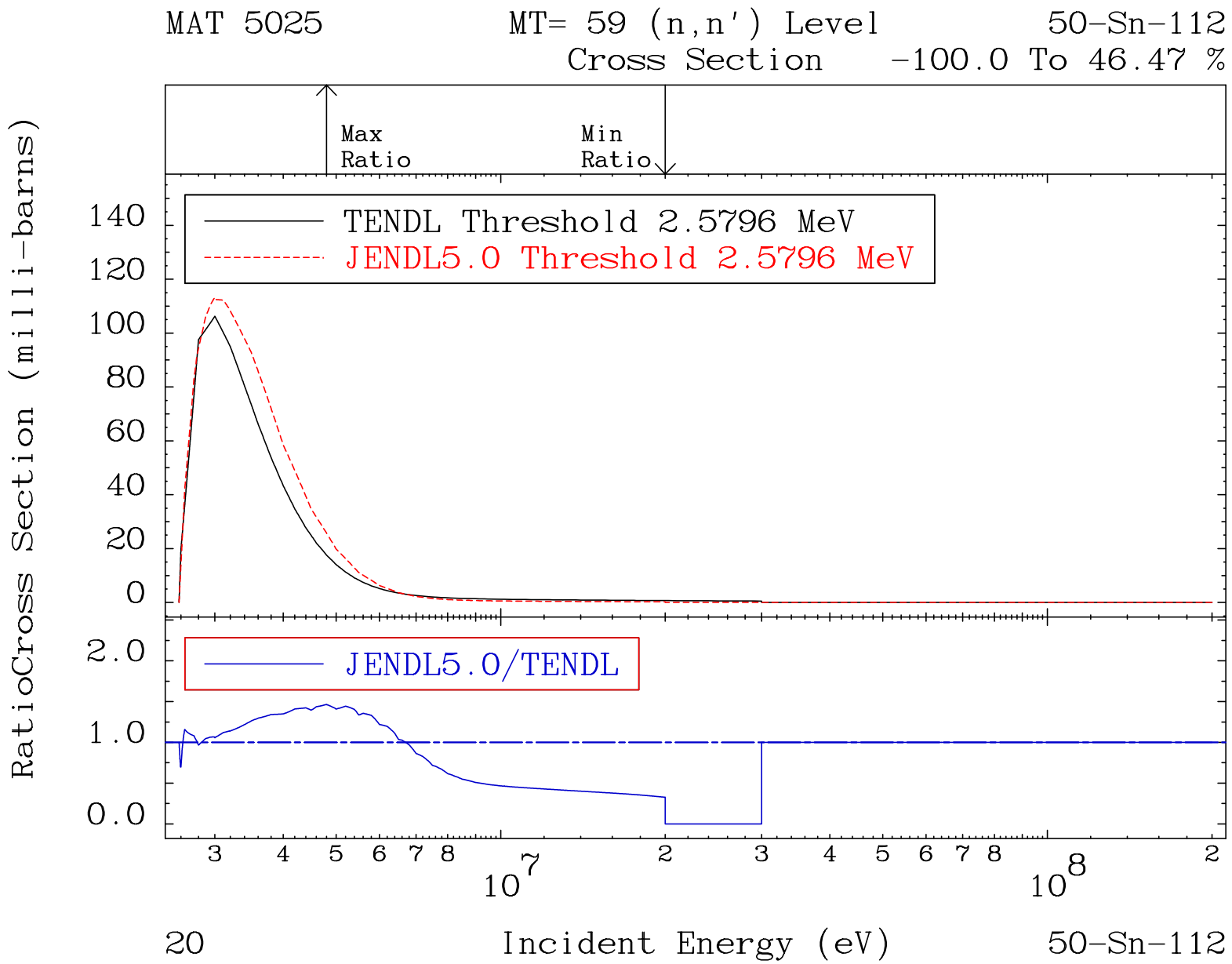

MAT 5025
MT= 54 (n,n') Level
50-Sn-112
Cross Section
-100.0 To 36.11 %
Max
Ratio
TENDL Threshold 2.2676 MeV
JENDL5.0 Threshold 2.2679 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
50-Sn-112

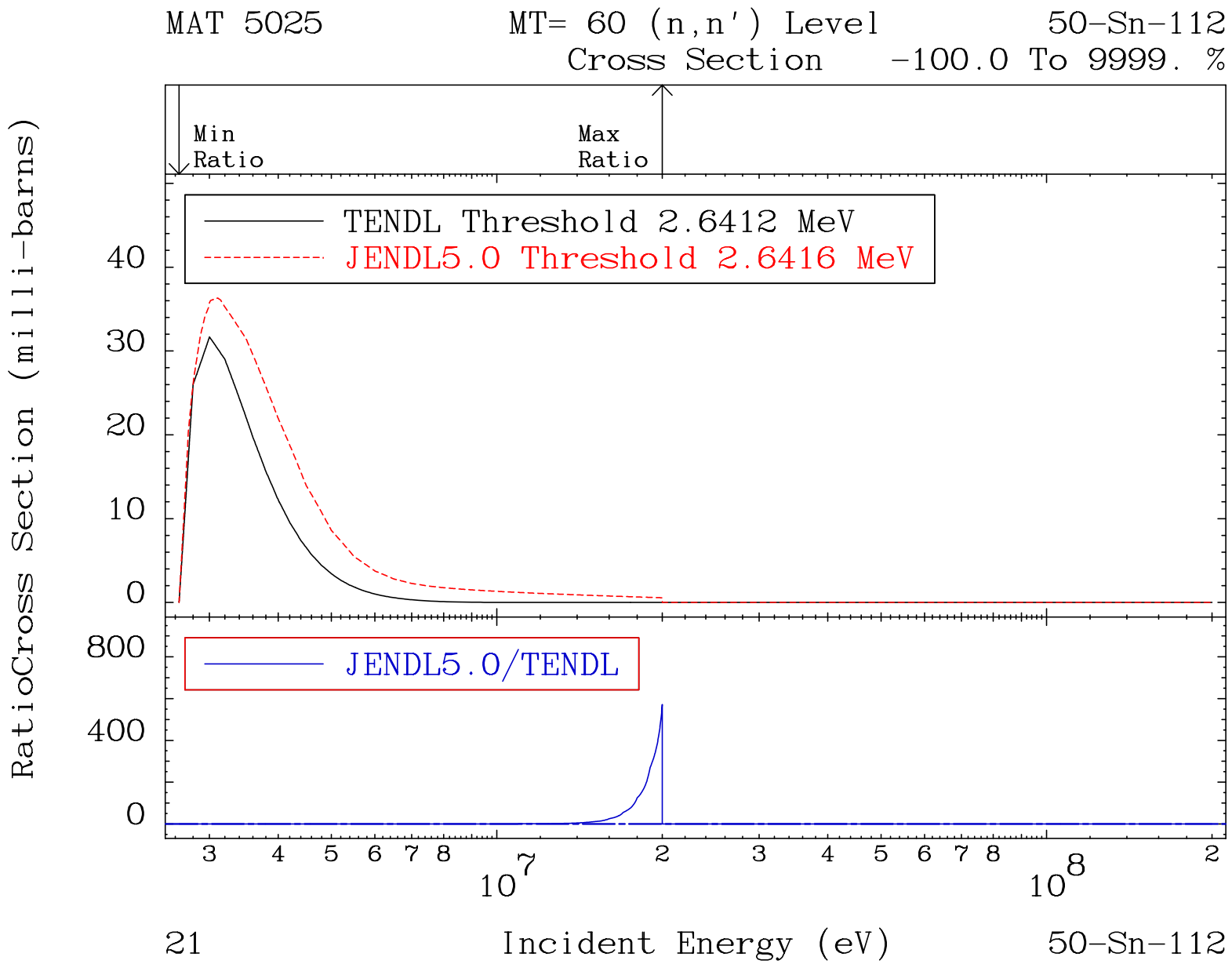

MAT 5025
MT= 55 (n,n') Level
50-Sn-112
Cross Section
-100.0 To 77.84 %
Min Ratio
Max Ratio
TENDL Threshold 2.3754 MeV
JENDL5.0 Threshold 2.3758 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
50-Sn-112

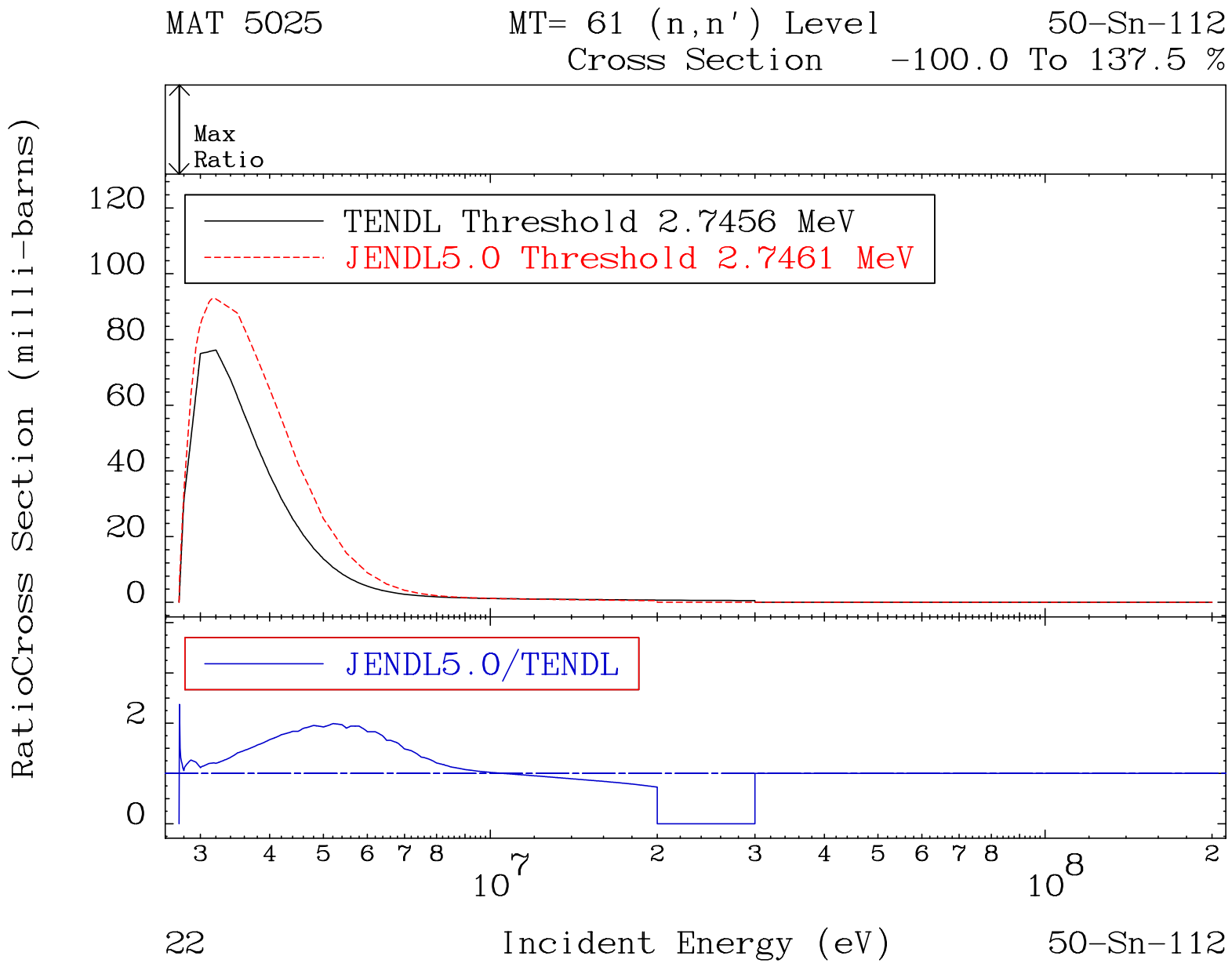

MAT 5025
MT= 56 (n,n') Level
50-Sn-112
Cross Section
-100.0 To 416.9 %
Max
Ratio
TENDL Threshold 2.4985 MeV
JENDL5.0 Threshold 2.4985 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
150
100
50
0
8
4
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
50-Sn-112

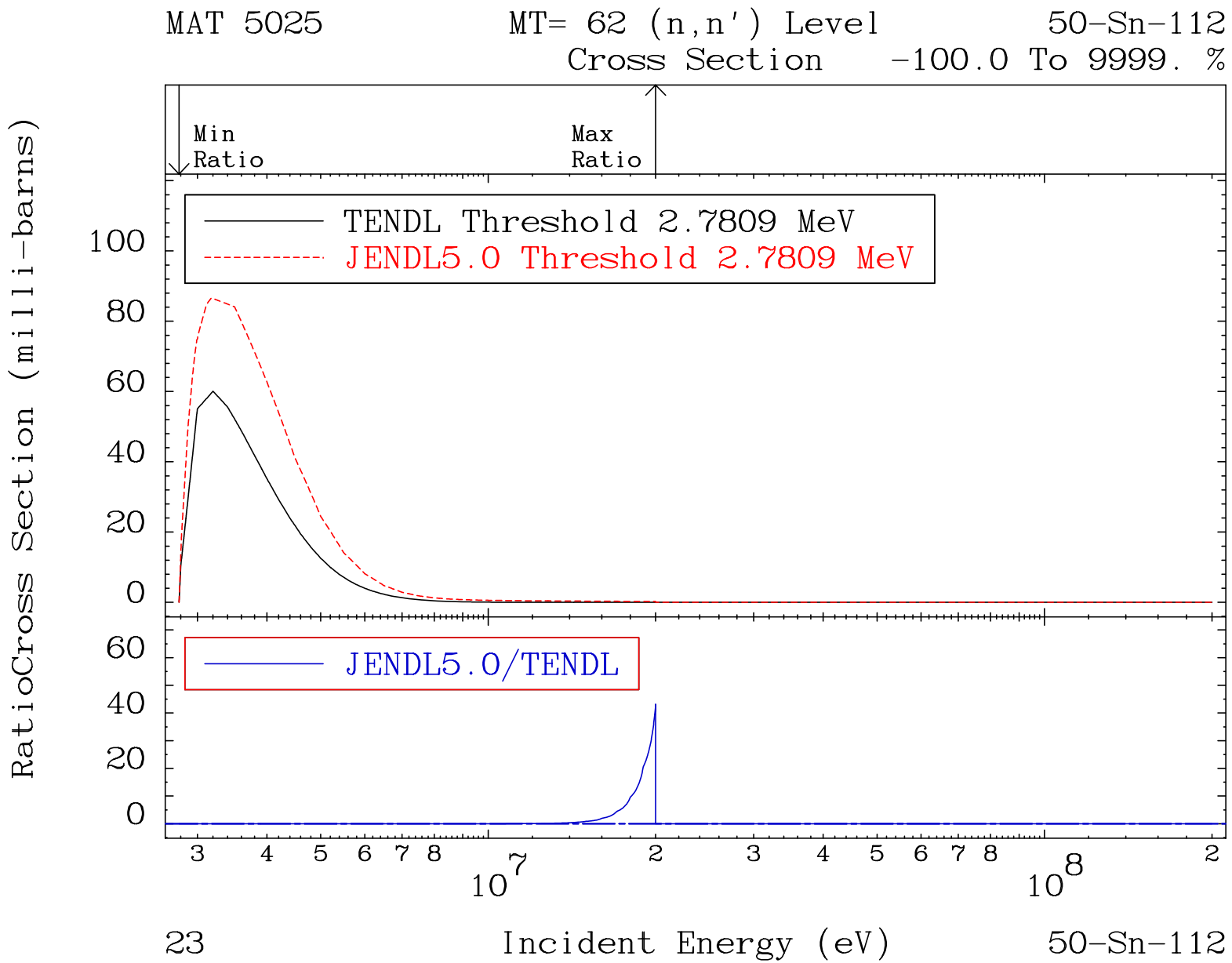

MAT 5025
MT= 57 (n,n') Level
50-Sn-112
Cross Section
-100.0 To 86.94 %
Min Ratio
Max Ratio
TENDL Threshold 2.5434 MeV
JENDL5.0 Threshold 2.5438 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
18
50-Sn-112

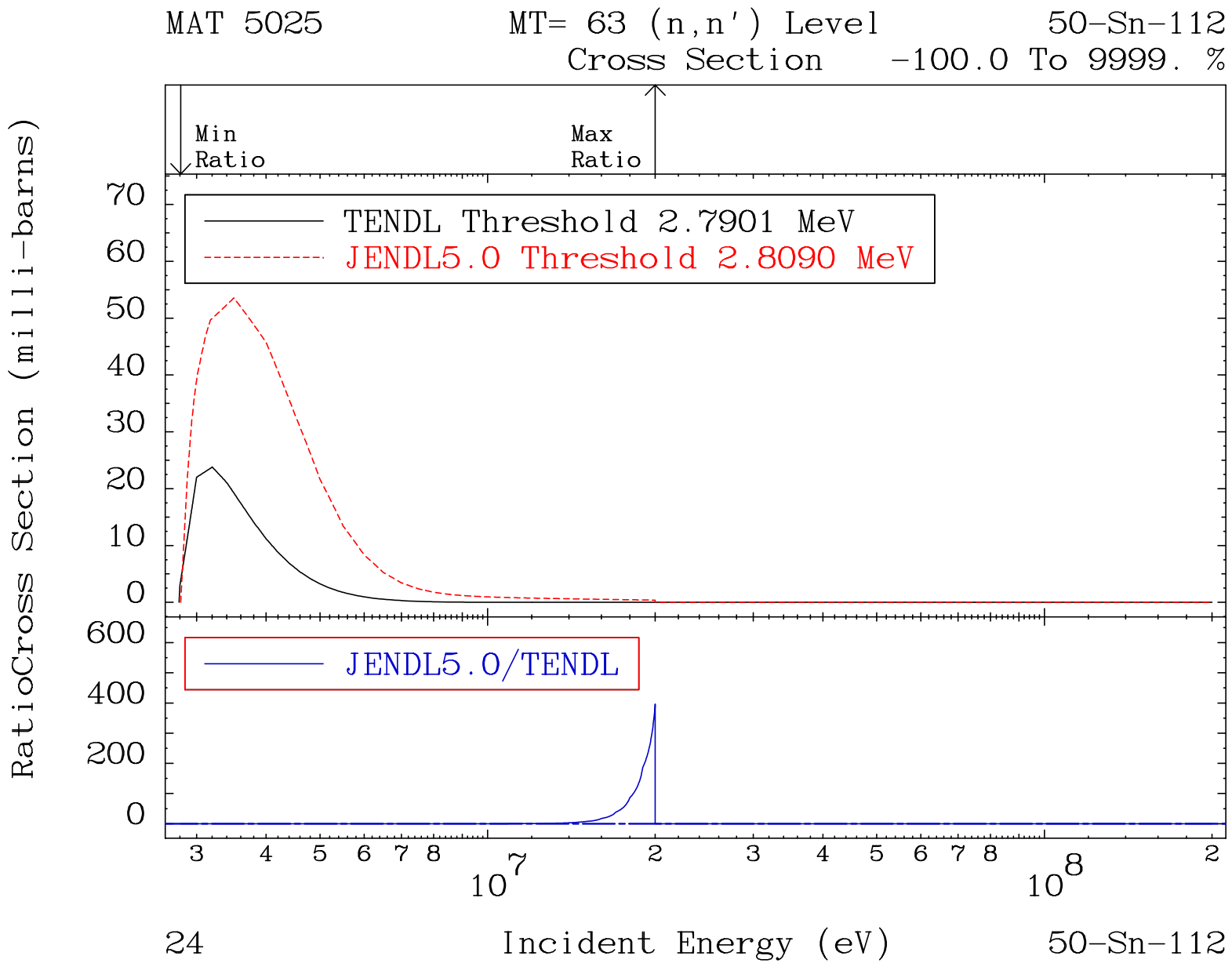

MAT 5025
MT= 58 (n,n') Level
50-Sn-112
Cross Section
-100.0 To 73.39 %
Min Ratio
Max Ratio
TENDL Threshold 2.5722 MeV
JENDL5.0 Threshold 2.5722 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
15
10
5
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
50-Sn-112

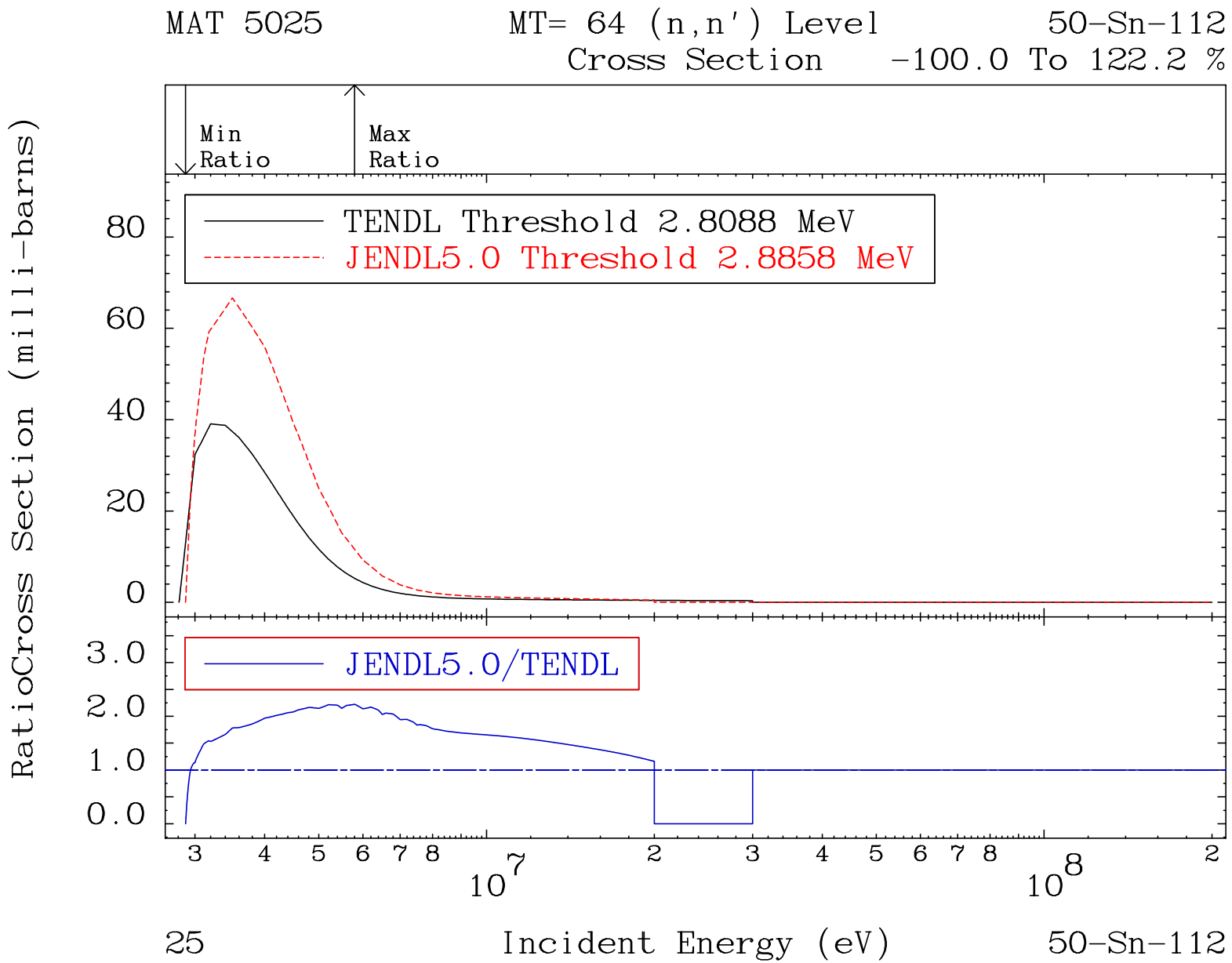

MAT 5025
MT= 59 (n,n') Level
50-Sn-112
Cross Section
-100.0 To 46.47 %
Max Ratio
Min Ratio
TENDL Threshold 2.5796 MeV
JENDL5.0 Threshold 2.5796 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
20
Incident Energy (eV)
50-Sn-112

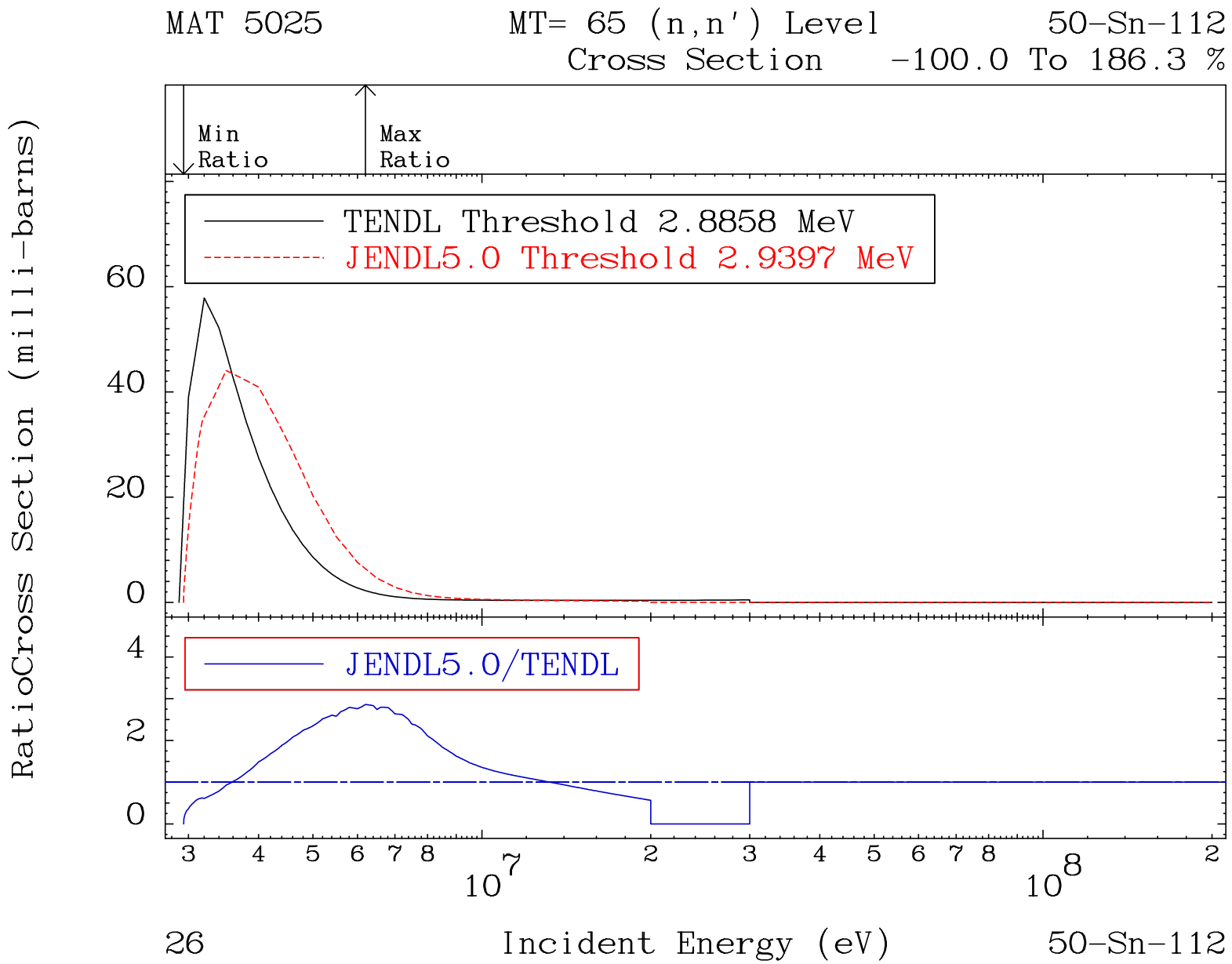

MAT 5025
MT= 60 (n,n') Level
50-Sn-112
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.6412 MeV
JENDL5.0 Threshold 2.6416 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
800
400
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
21
Incident Energy (eV)
50-Sn-112

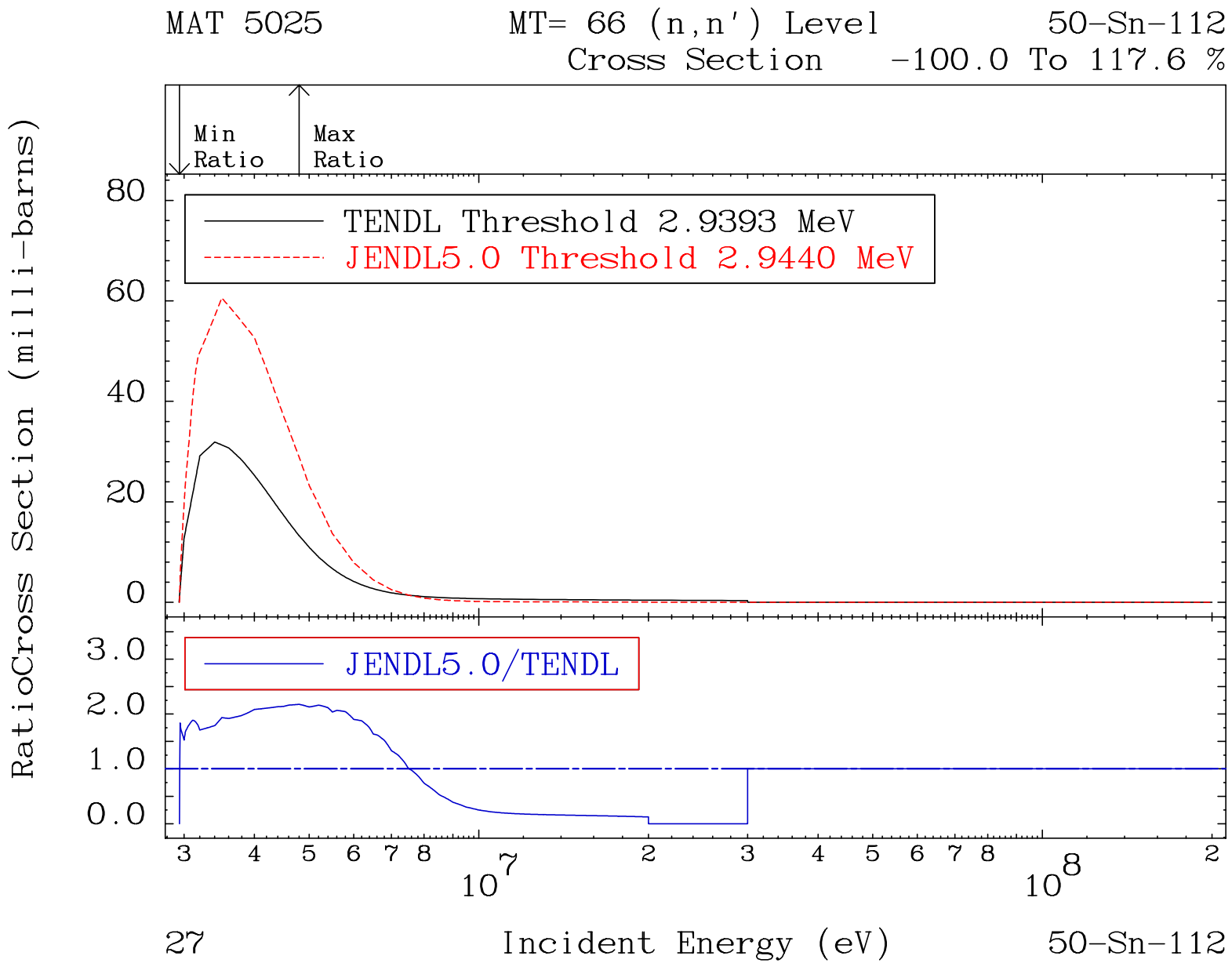

MAT 5025
MT= 61 (n,n') Level
50-Sn-112
Cross Section
-100.0 To 137.5 %
Max
Ratio
TENDL Threshold 2.7456 MeV
JENDL5.0 Threshold 2.7461 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
50-Sn-112

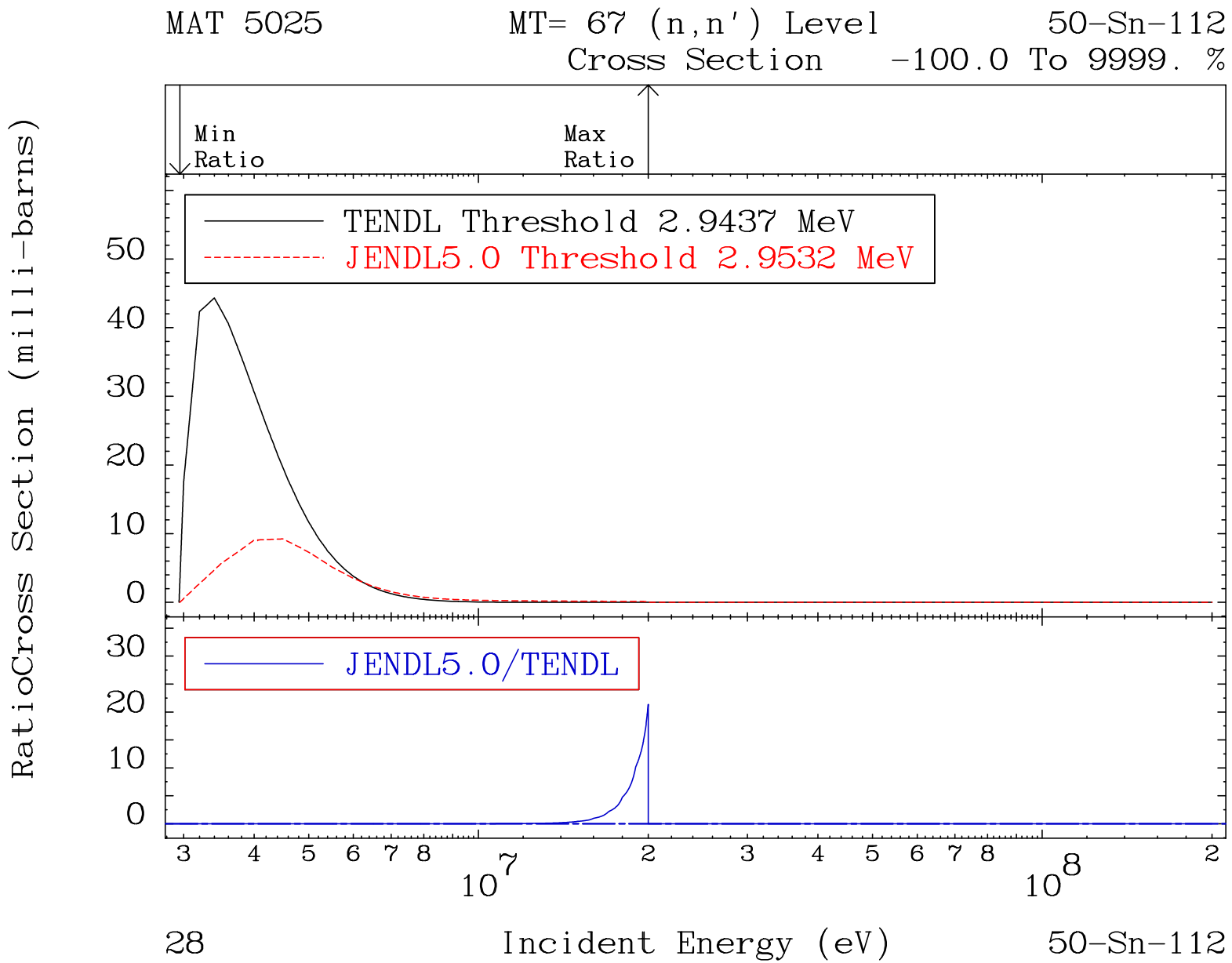

MAT 5025
MT= 62 (n,n') Level
50-Sn-112
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.7809 MeV
JENDL5.0 Threshold 2.7809 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
60
40
20
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
50-Sn-112

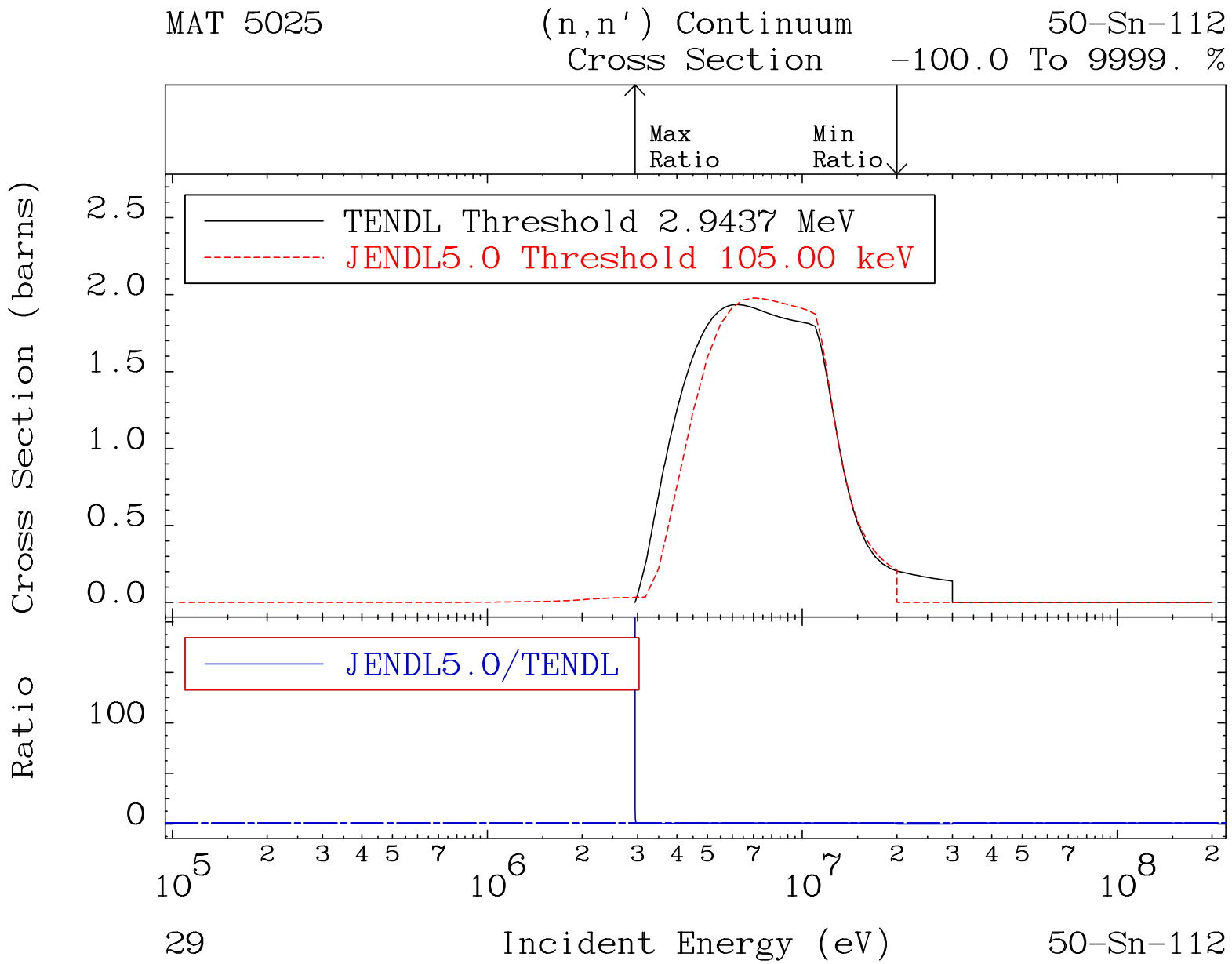

MAT 5025
MT= 63 (n,n') Level
50-Sn-112
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.7901 MeV
JENDL5.0 Threshold 2.8090 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
600
400
200
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
50-Sn-112

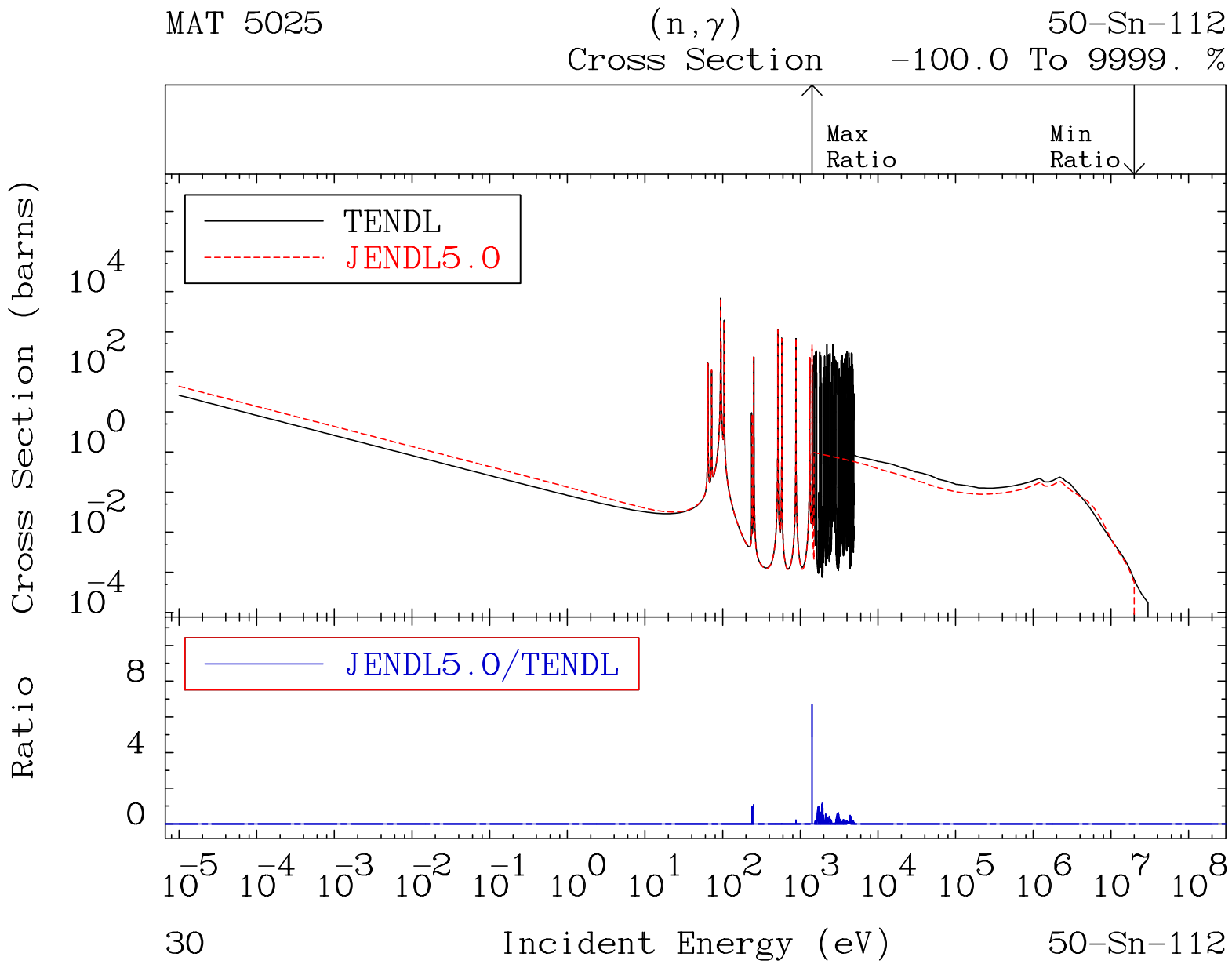

MAT 5025
MT= 64 (n,n') Level
50-Sn-112
Cross Section
-100.0 To 122.2 %
Min Ratio
Max Ratio
TENDL Threshold 2.8088 MeV
JENDL5.0 Threshold 2.8858 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
50-Sn-112

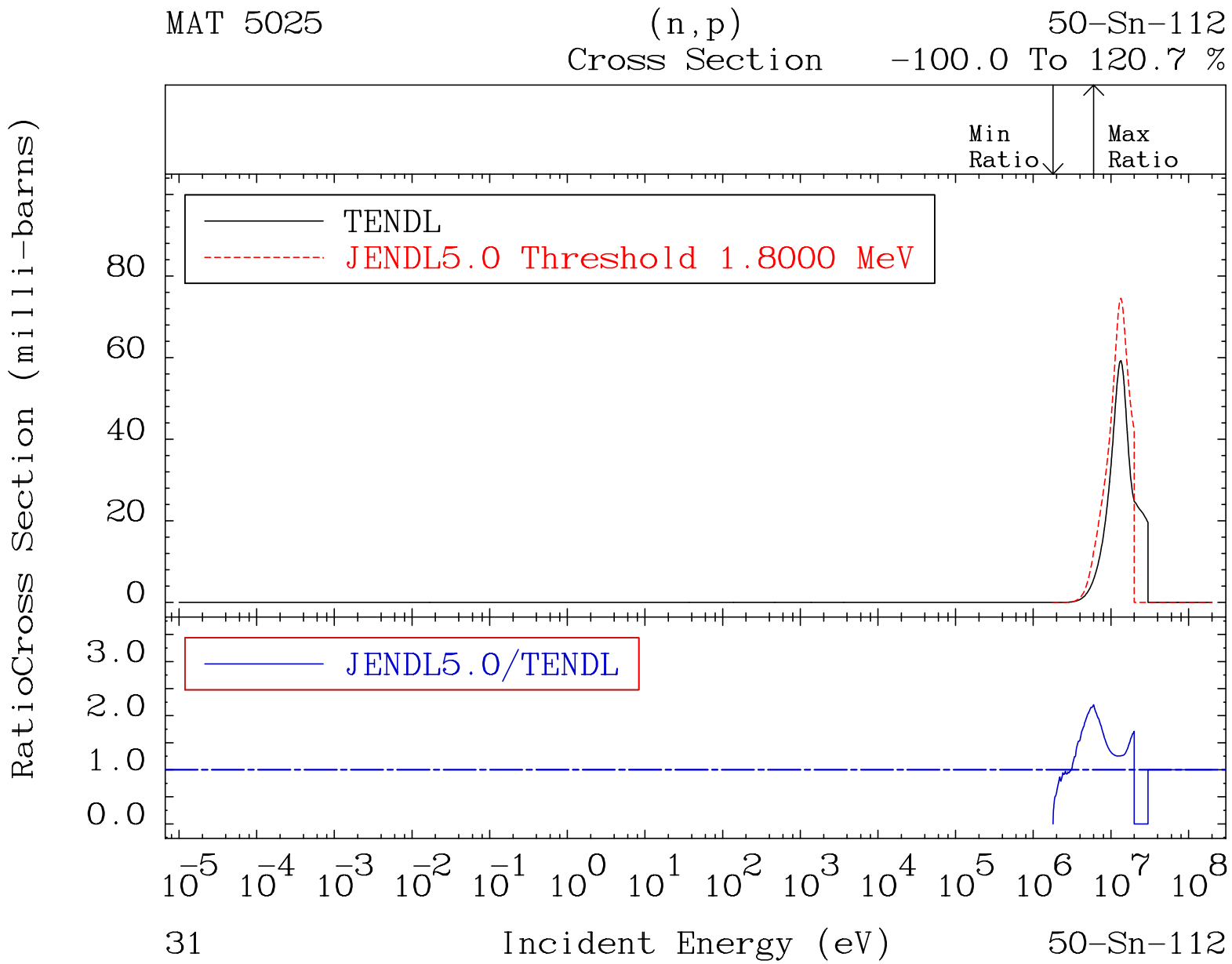

MAT 5025
MT= 65 (n,n') Level
50-Sn-112
Cross Section
-100.0 To 186.3 %
Min Ratio
Max Ratio
TENDL Threshold 2.8858 MeV
JENDL5.0 Threshold 2.9397 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
4
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
50-Sn-112

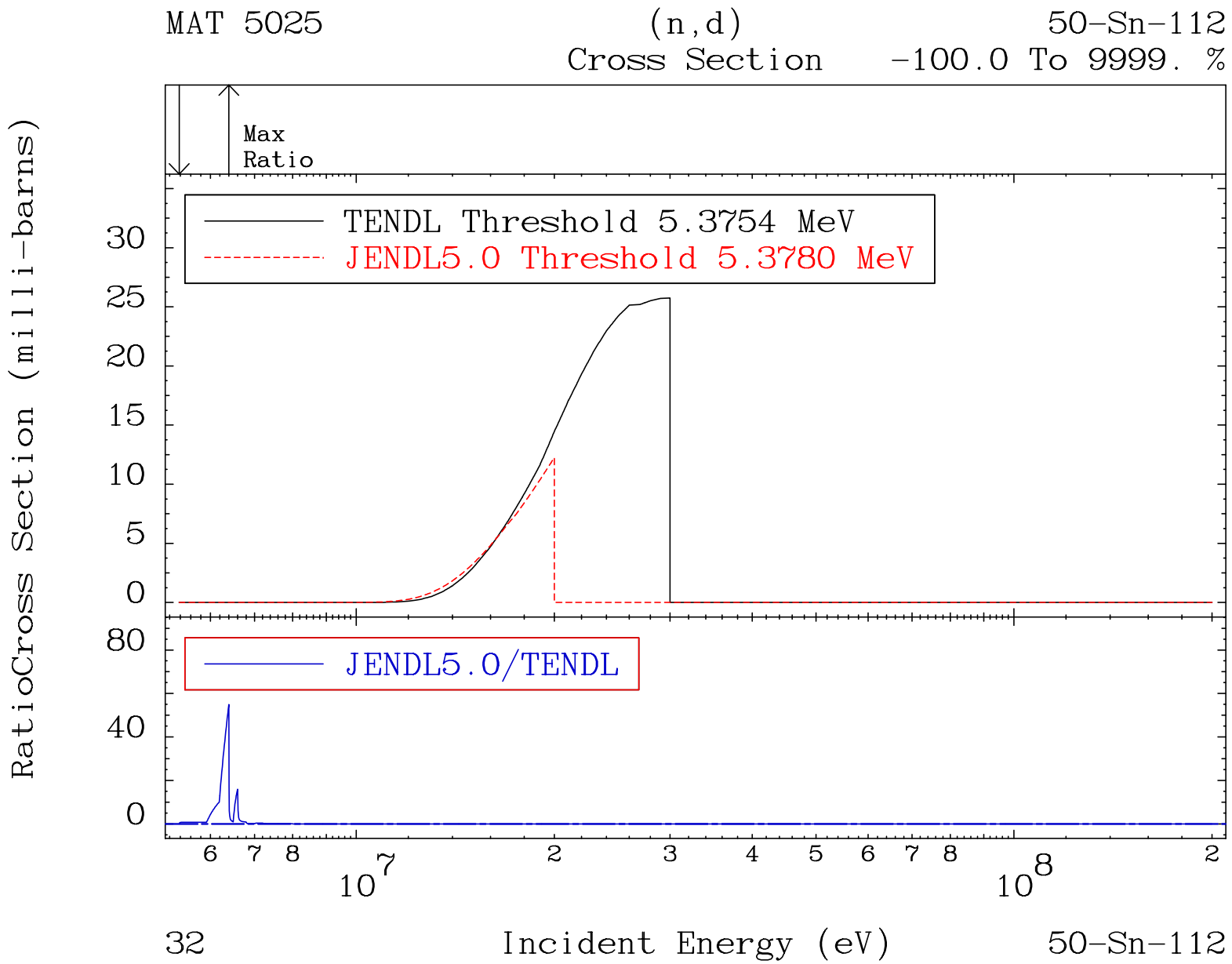

MAT 5025
MT= 66 (n,n') Level
50-Sn-112
Cross Section
-100.0 To 117.6 %
Min Ratio
Max Ratio
TENDL Threshold 2.9393 MeV
JENDL5.0 Threshold 2.9440 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
27
Incident Energy (eV)
50-Sn-112

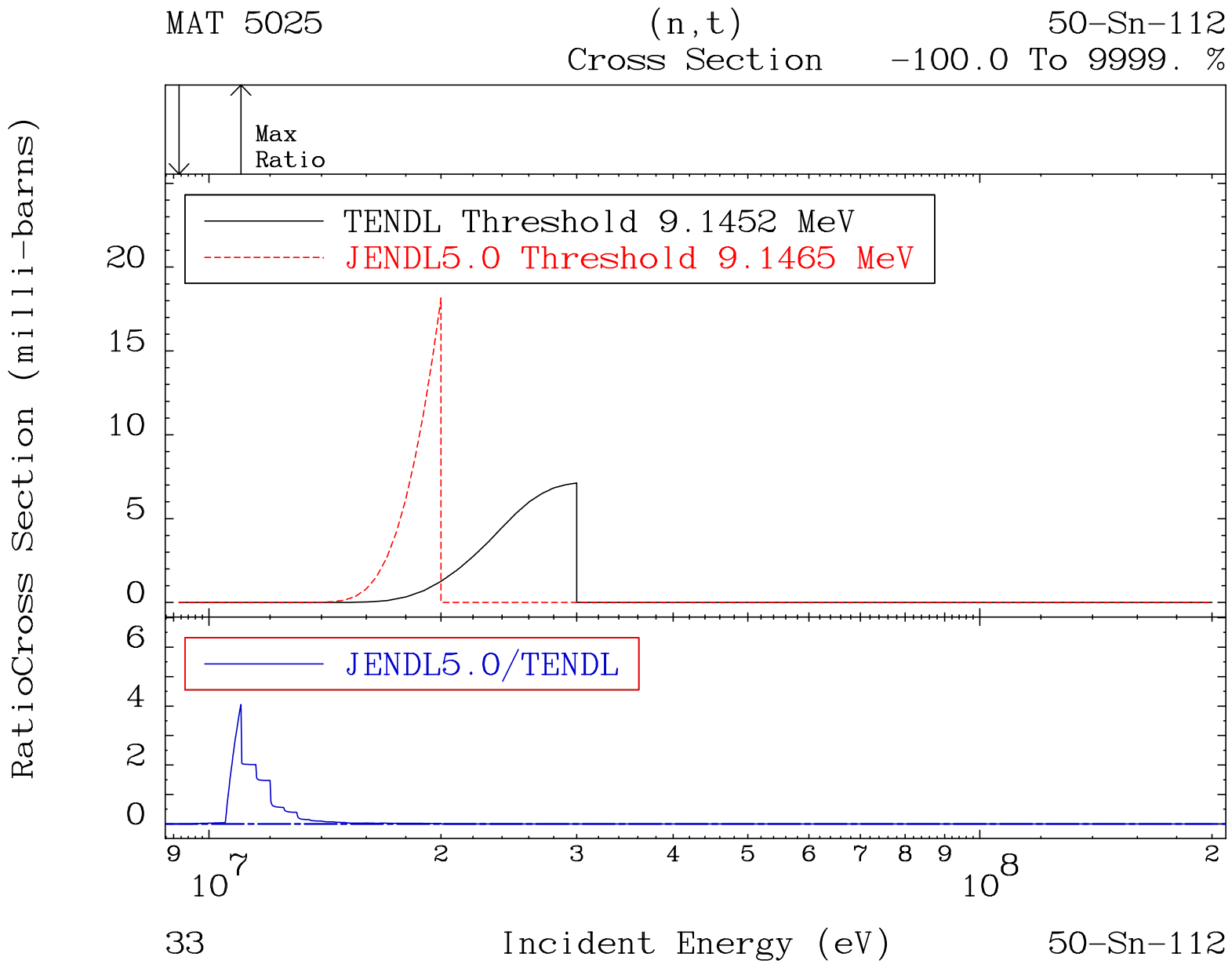

MAT 5025
MT= 67 (n,n') Level
50-Sn-112
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.9437 MeV
JENDL5.0 Threshold 2.9532 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
30
20
10
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
50-Sn-112

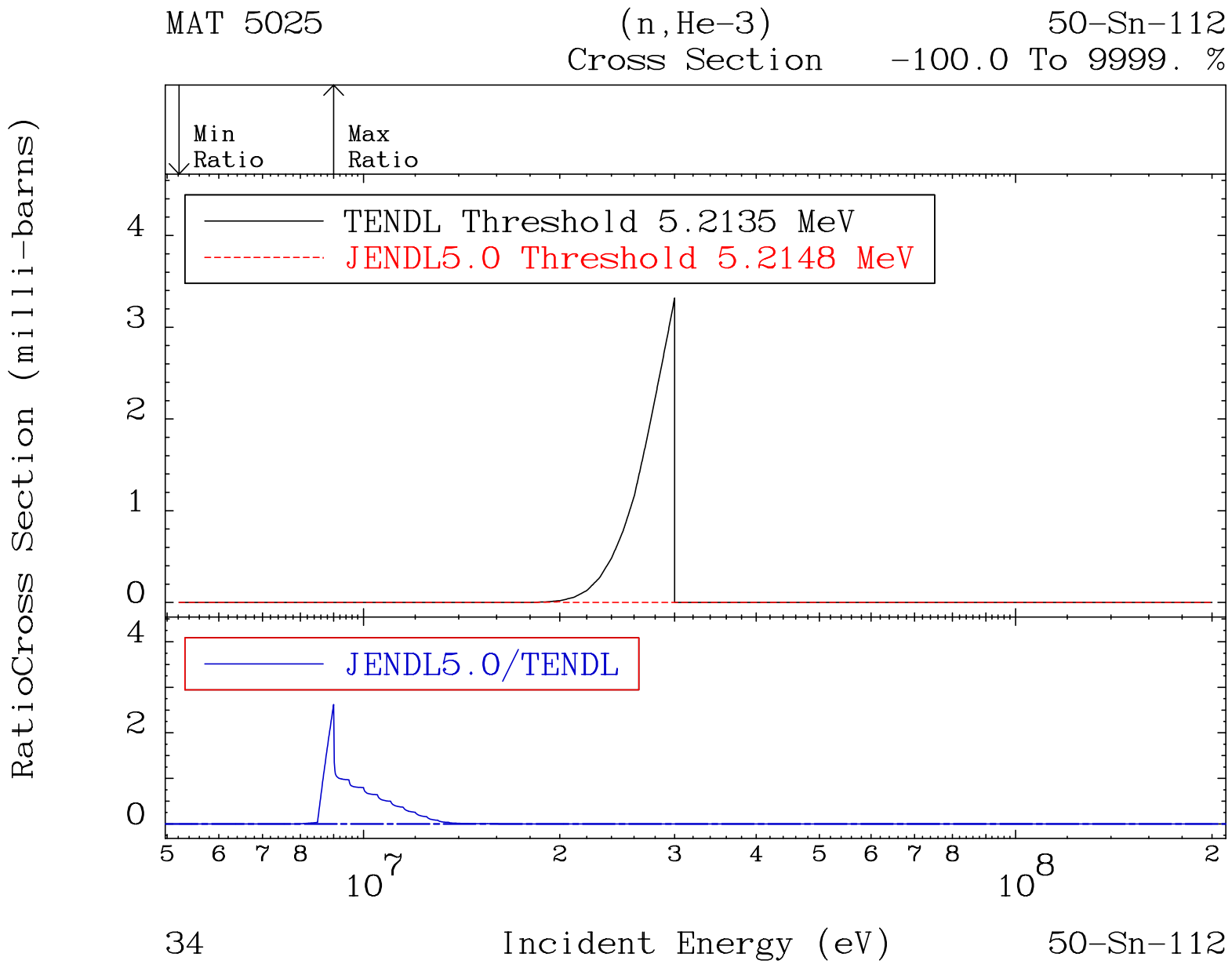

MAT 5025
(n,n') Continuum
Cross Section
50-Sn-112
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.9437 MeV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
100
0
10^5
10^6
10^7
10^8
29
Incident Energy (eV)
50-Sn-112

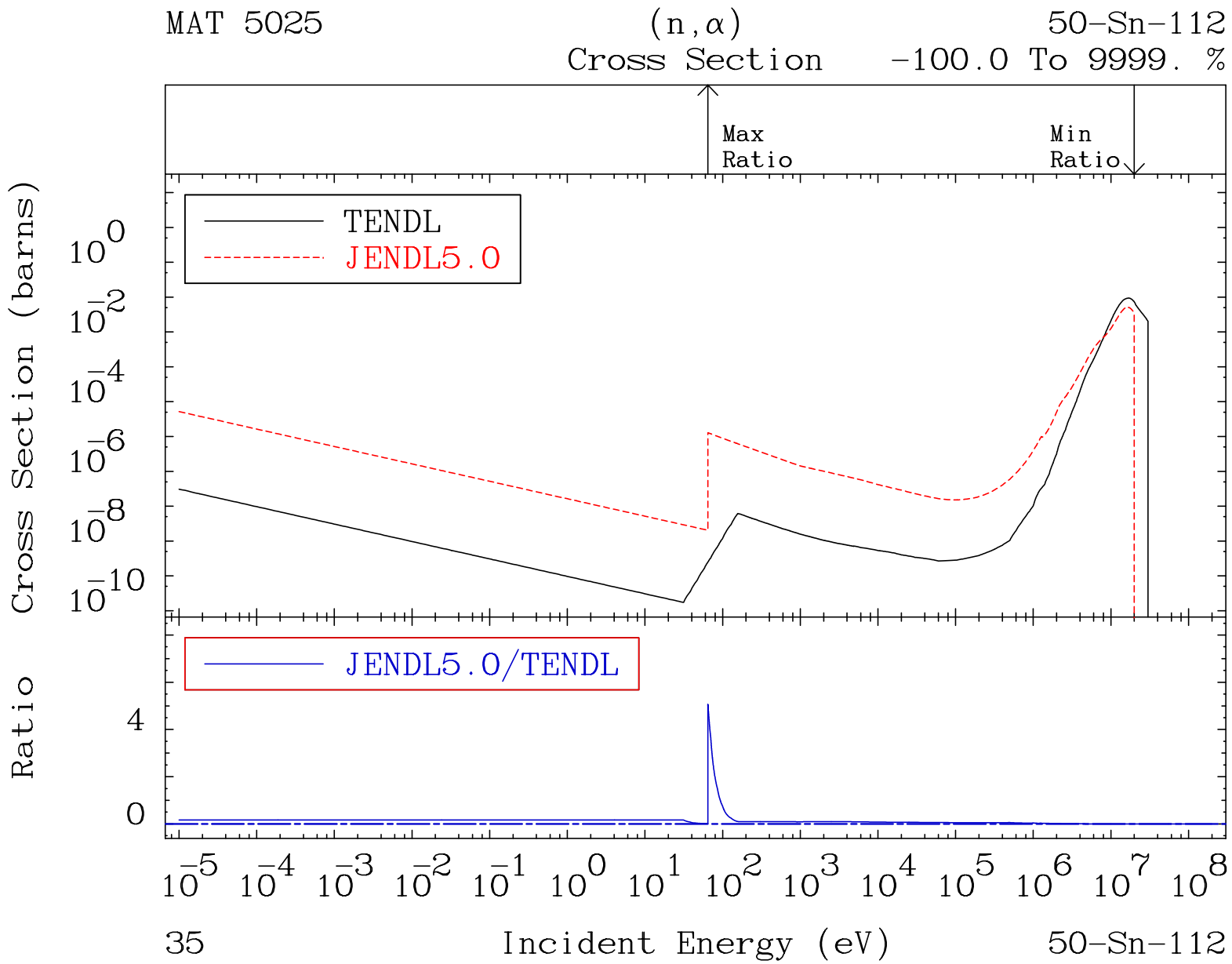

MAT 5025
(n,γ)
Cross Section
50-Sn-112
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
30
50-Sn-112

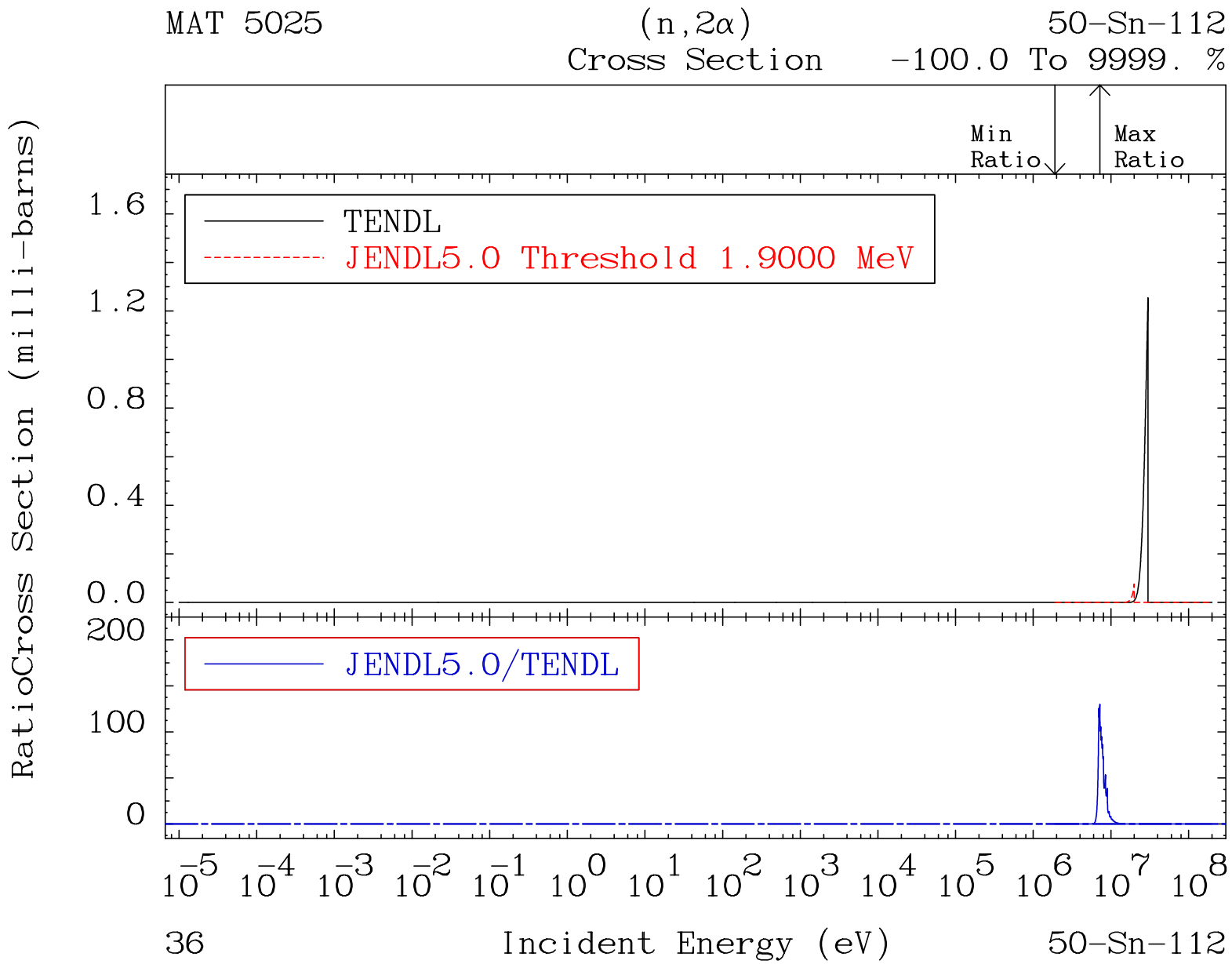

MAT 5025
(n,p)
Cross Section
50-Sn-112
-100.0 To 120.7 %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 1.8000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
3.0
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
31
Incident Energy (eV)
50-Sn-112

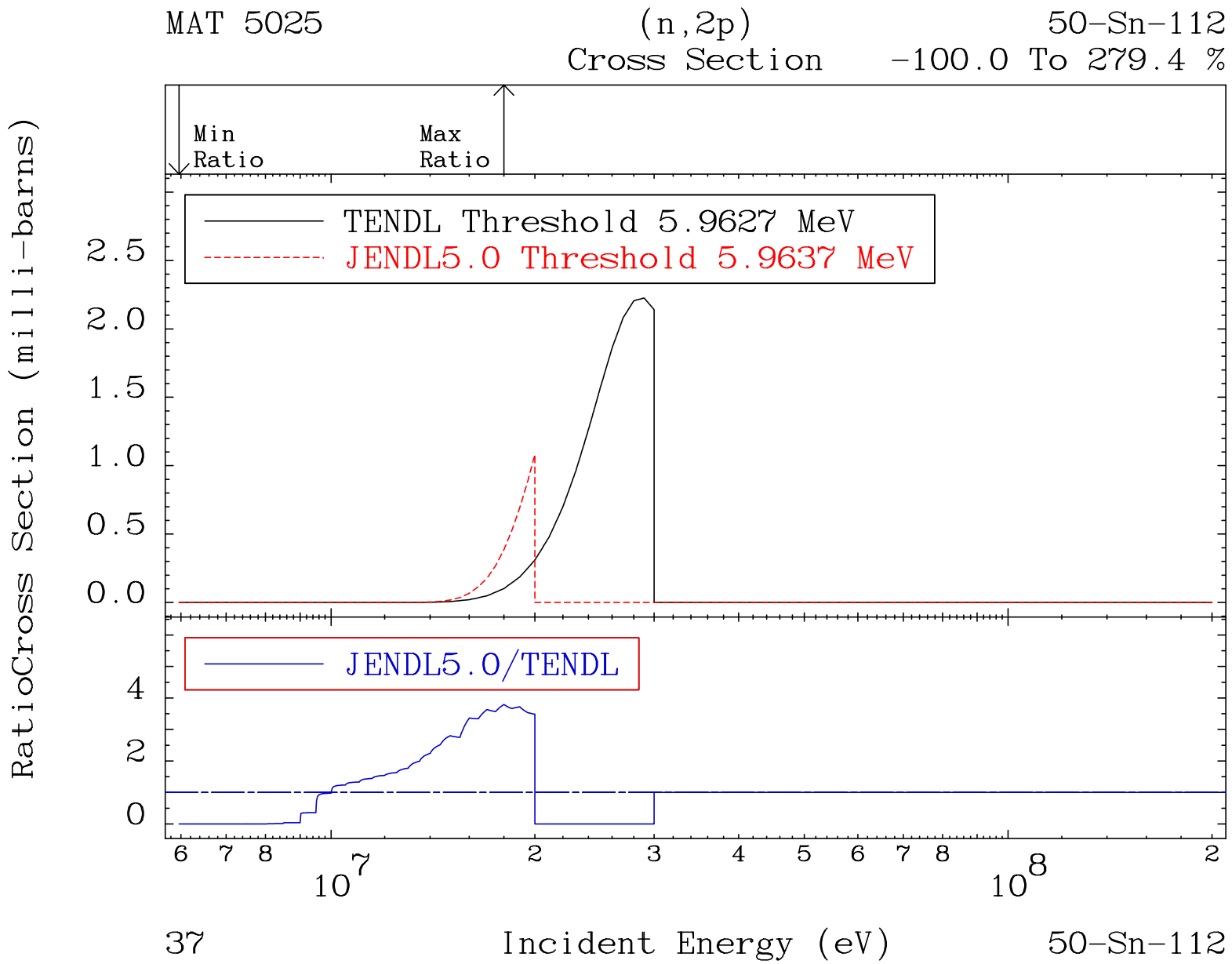

MAT 5025
(n,d)
50-Sn-112
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 5.3754 MeV
JENDL5.0 Threshold 5.3780 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
80
40
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
50-Sn-112

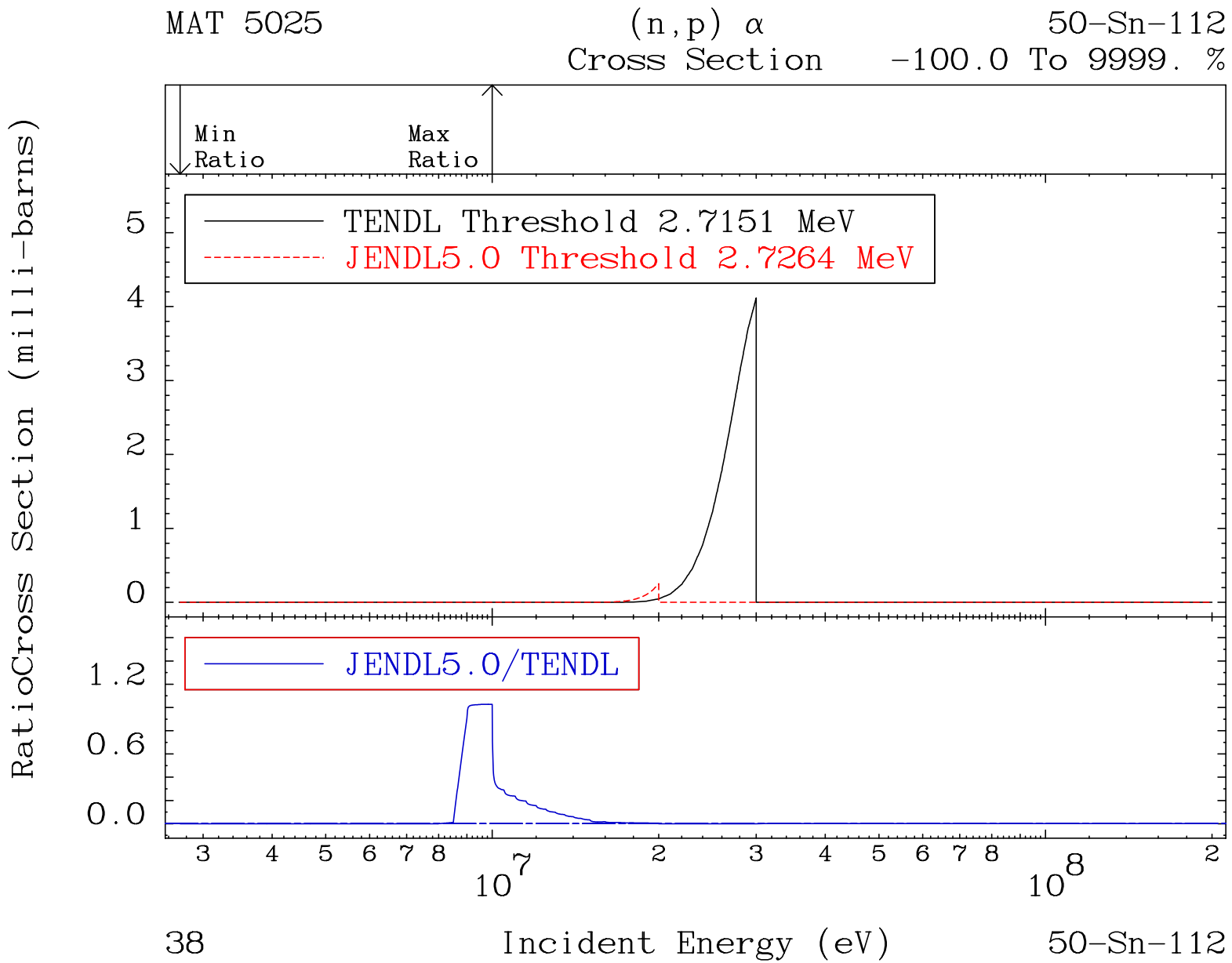

MAT 5025
(n,t)
50-Sn-112
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 9.1452 MeV
JENDL5.0 Threshold 9.1465 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
6
4
2
0
9
2
3
4
5
6
7
8
9
2
10^7
10^8
33
Incident Energy (eV)
50-Sn-112

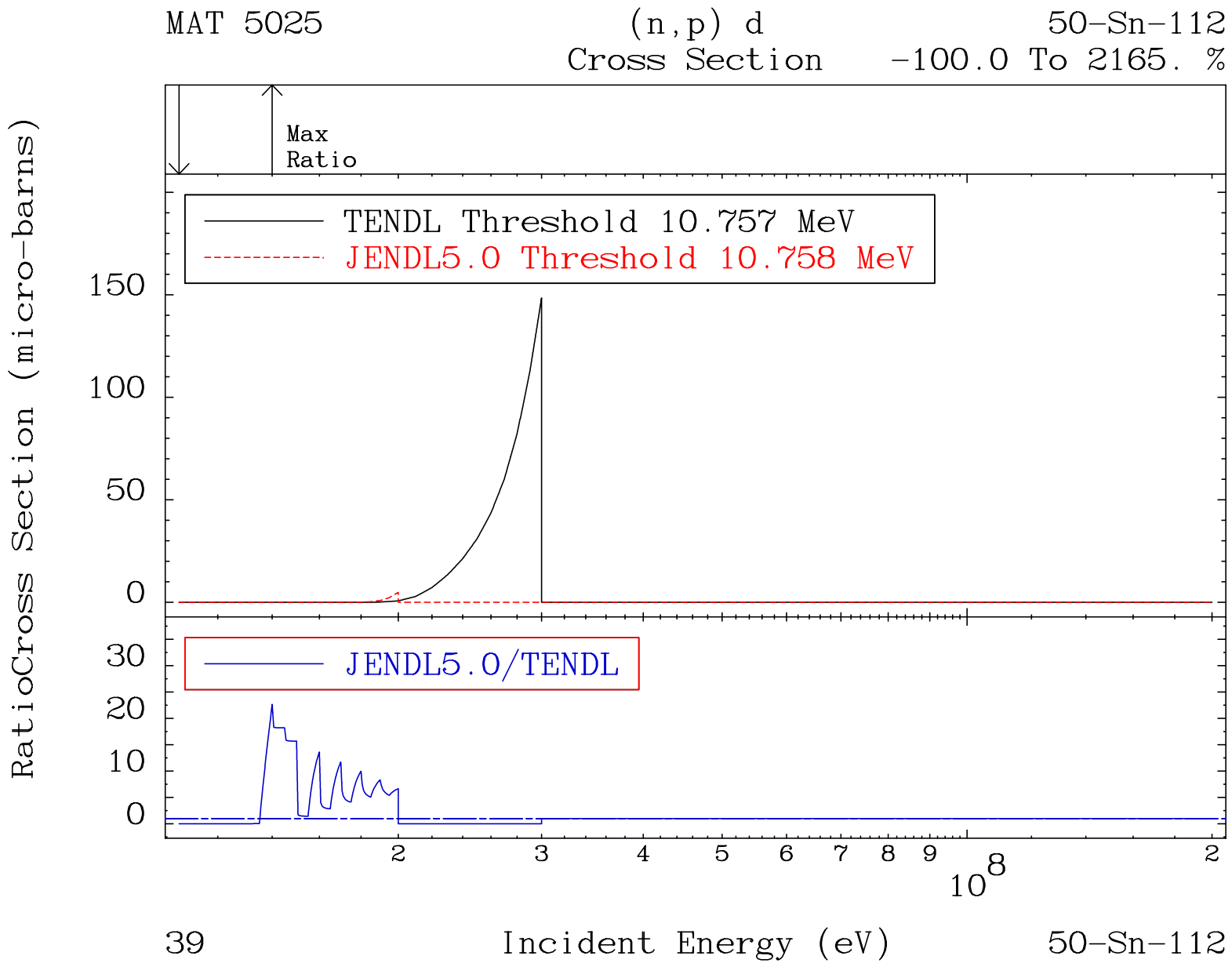

MAT 5025
(n,He-3)
Cross Section
50-Sn-112
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.2135 MeV
JENDL5.0 Threshold 5.2148 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
34
50-Sn-112

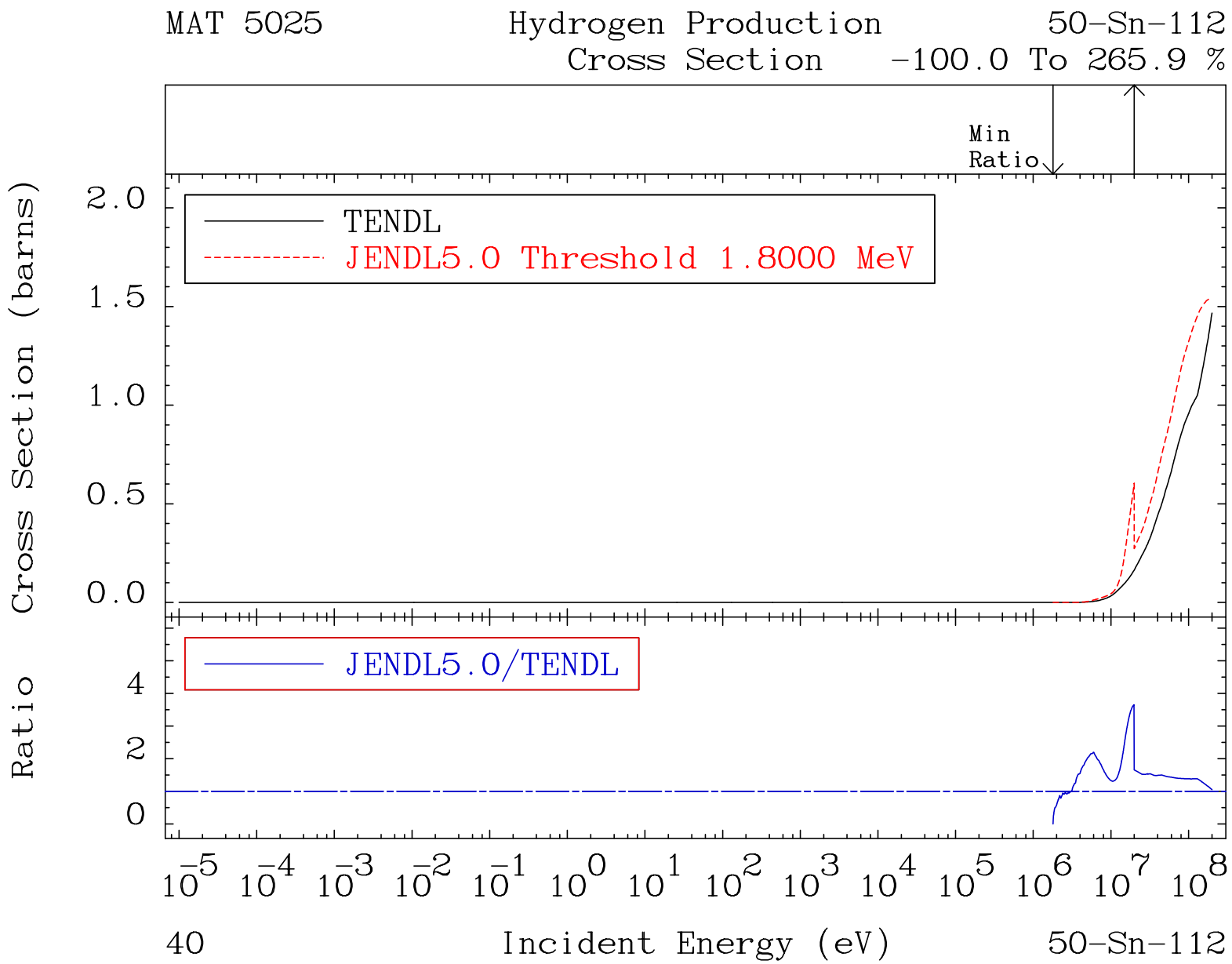

MAT 5025
(n,α)
Cross Section
50-Sn-112
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
10^-8
10^-10
JENDL5.0/TENDL
Ratio
4
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
35
Incident Energy (eV)
50-Sn-112

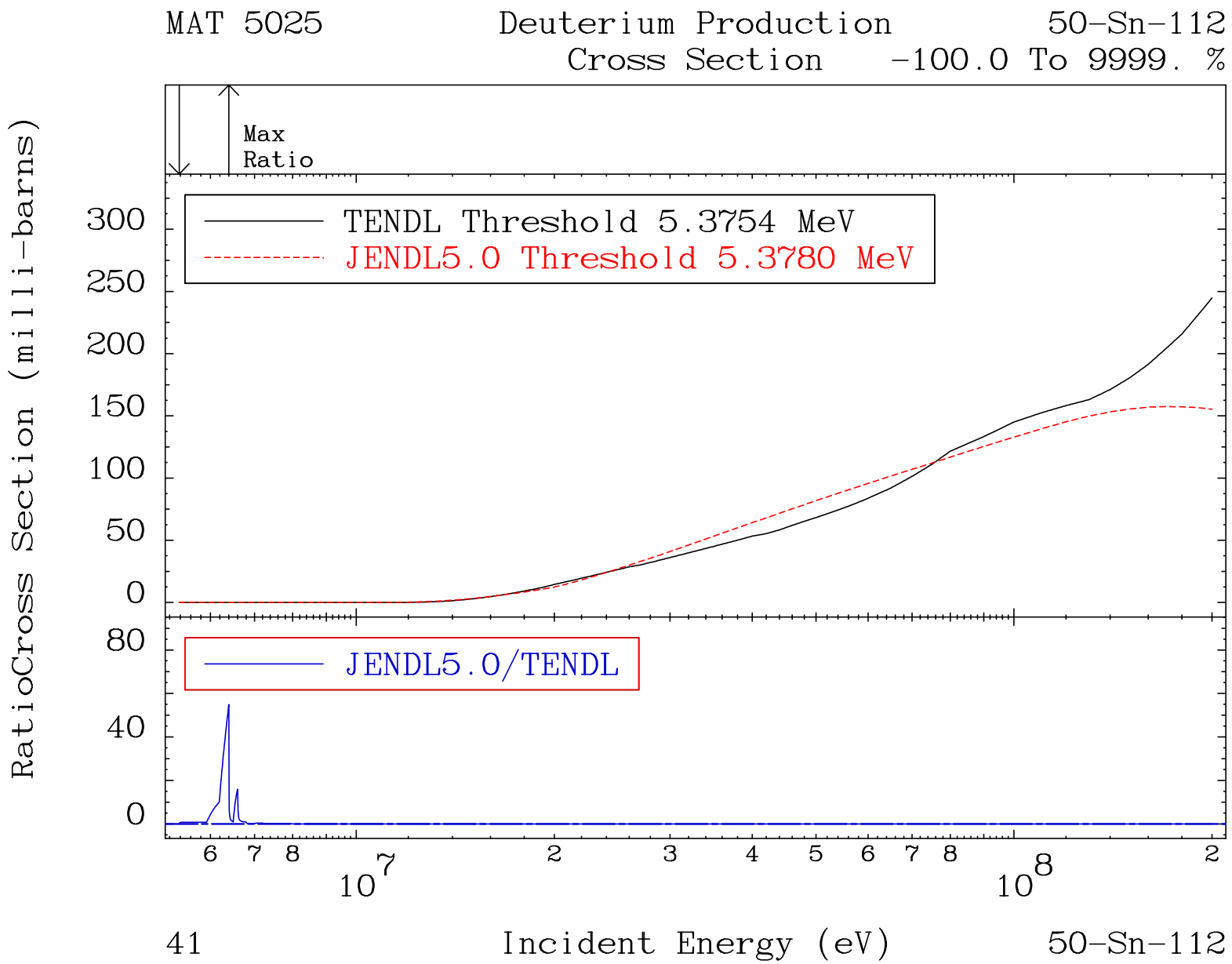

MAT 5025
(n,2α)
50-Sn-112
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 1.9000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
200
100
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
36
Incident Energy (eV)
50-Sn-112

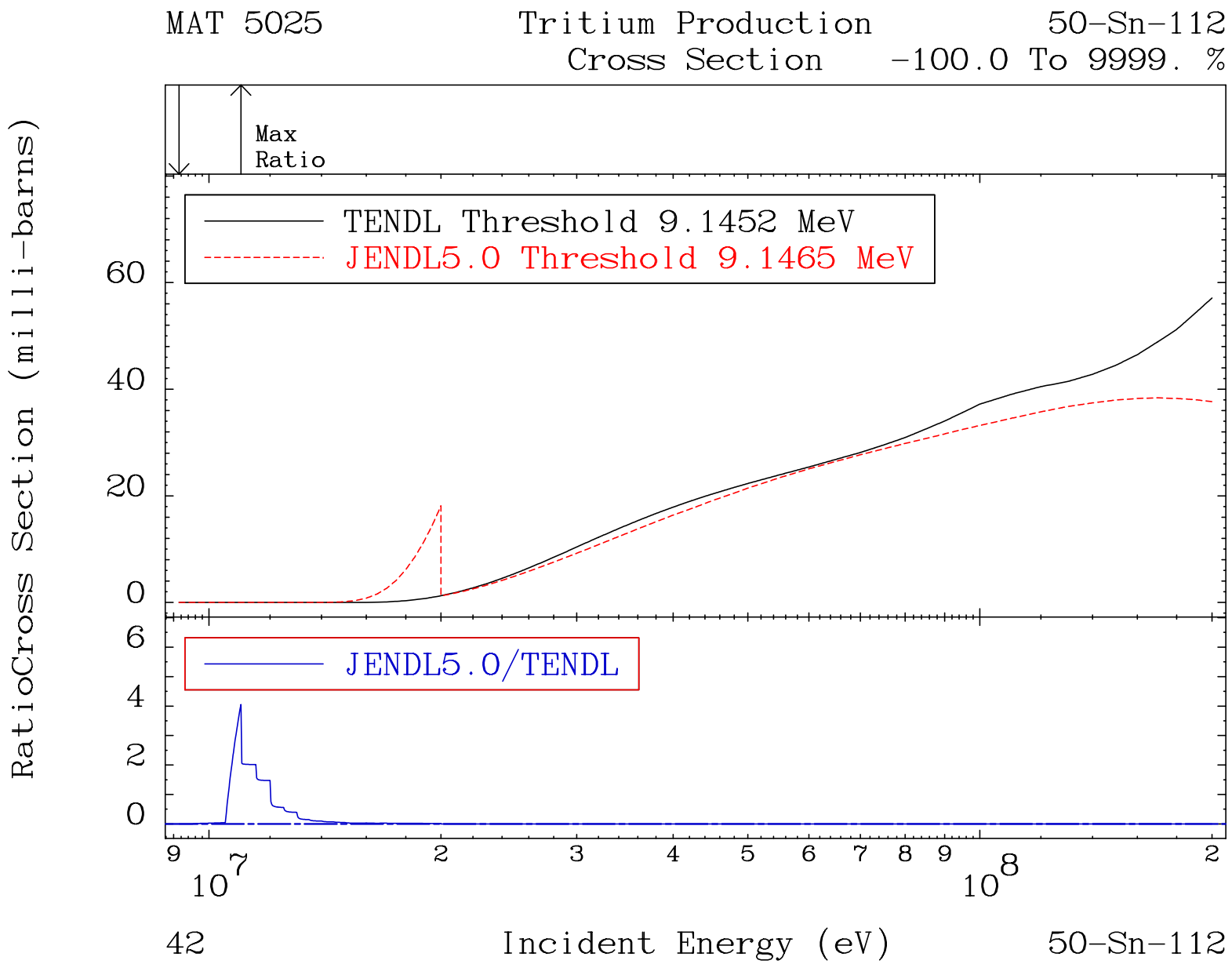

MAT 5025
(n,2p)
Cross Section
50-Sn-112
-100.0 To 279.4 %
Min Ratio
Max Ratio
TENDL Threshold 5.9627 MeV
JENDL5.0 Threshold 5.9637 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
4
2
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
37
Incident Energy (eV)
50-Sn-112

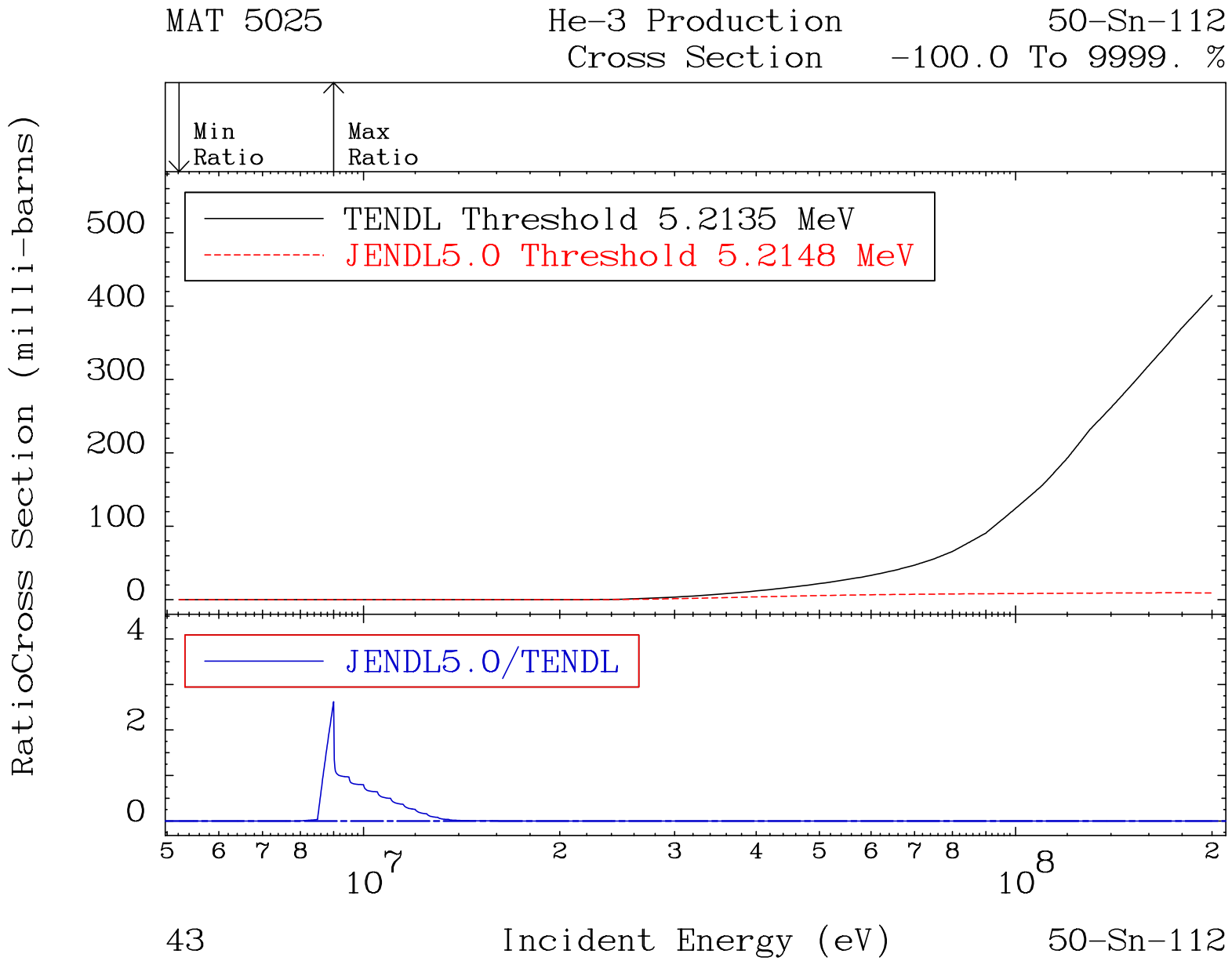

MAT 5025
(n,p) α
50-Sn-112
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.7151 MeV
JENDL5.0 Threshold 2.7264 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
0
1
2
3
4
5
0.0
0.6
1.2
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
38
50-Sn-112

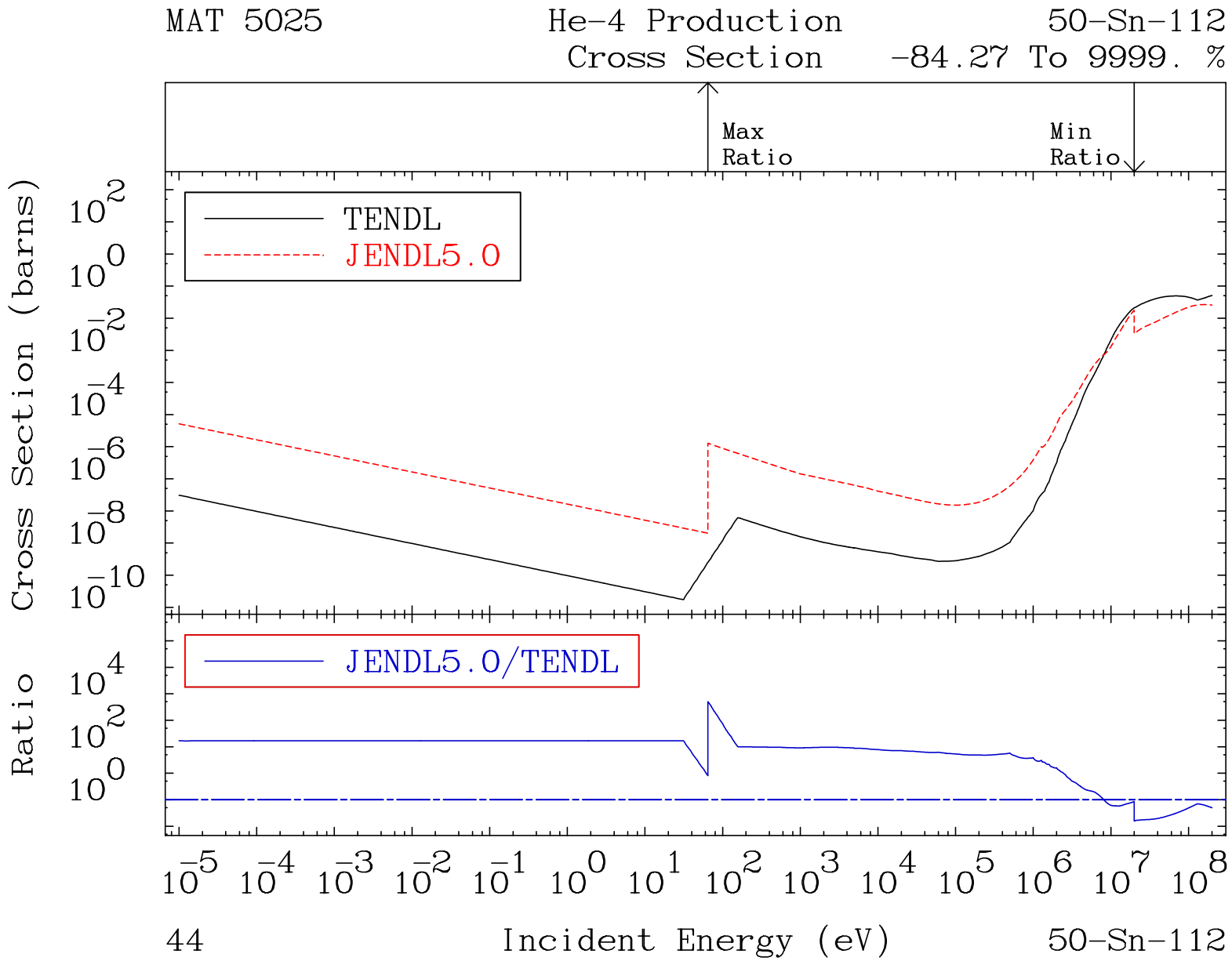

MAT 5025
(n,p) d
50-Sn-112
Cross Section
-100.0 To 2165. %
Max
Ratio
TENDL Threshold 10.757 MeV
JENDL5.0 Threshold 10.758 MeV
150
100
50
0
JENDL5.0/TENDL
30
20
10
0
RatioCross Section (micro-barns)
2
3
4
5
6
7
8
9
10^8
2
39
Incident Energy (eV)
50-Sn-112

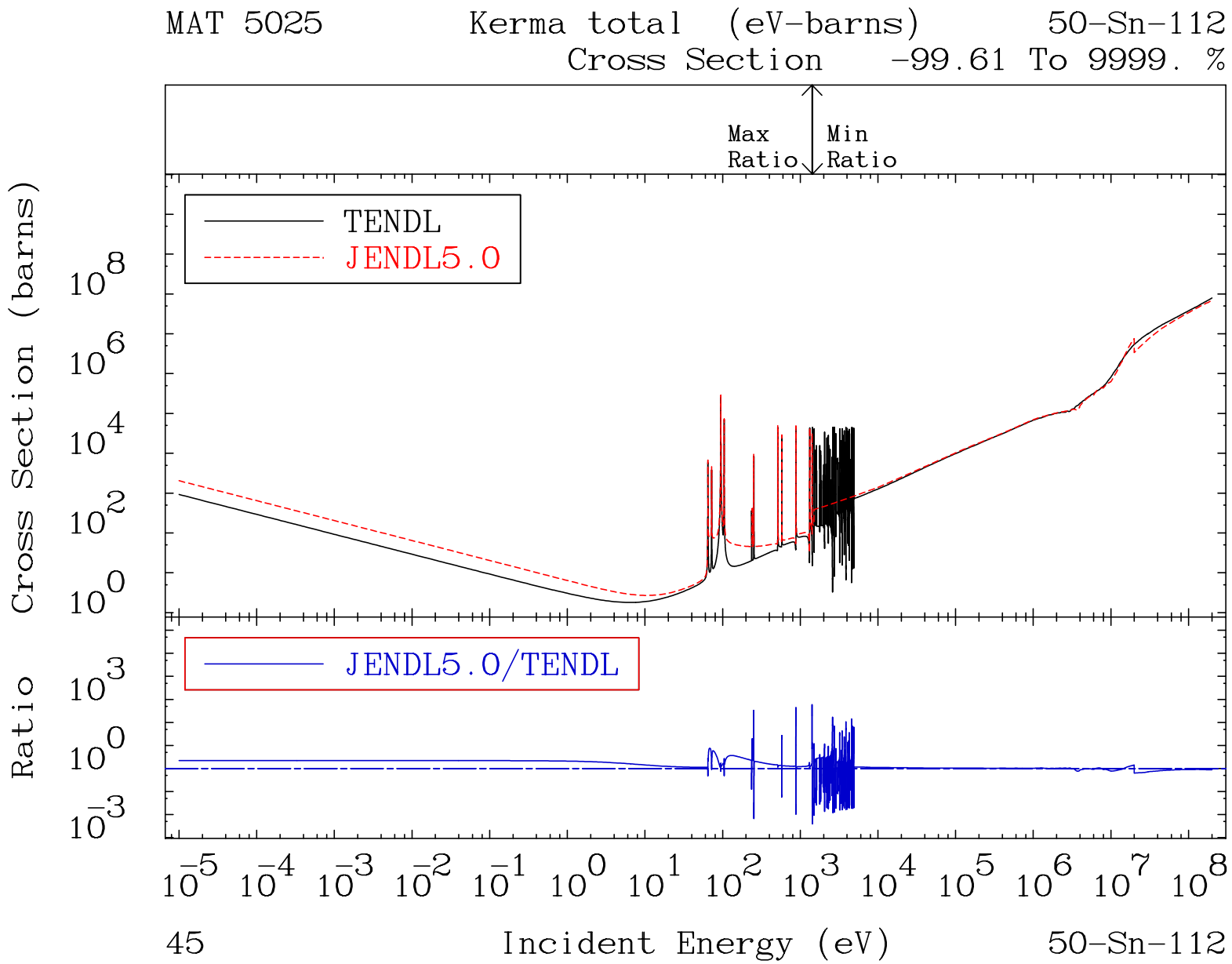

MAT 5025
Hydrogen Production
50-Sn-112
Cross Section
-100.0 To 265.9 %
Min
Ratio
TENDL
JENDL5.0 Threshold 1.8000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
4
2
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
Incident Energy (eV)
40
50-Sn-112

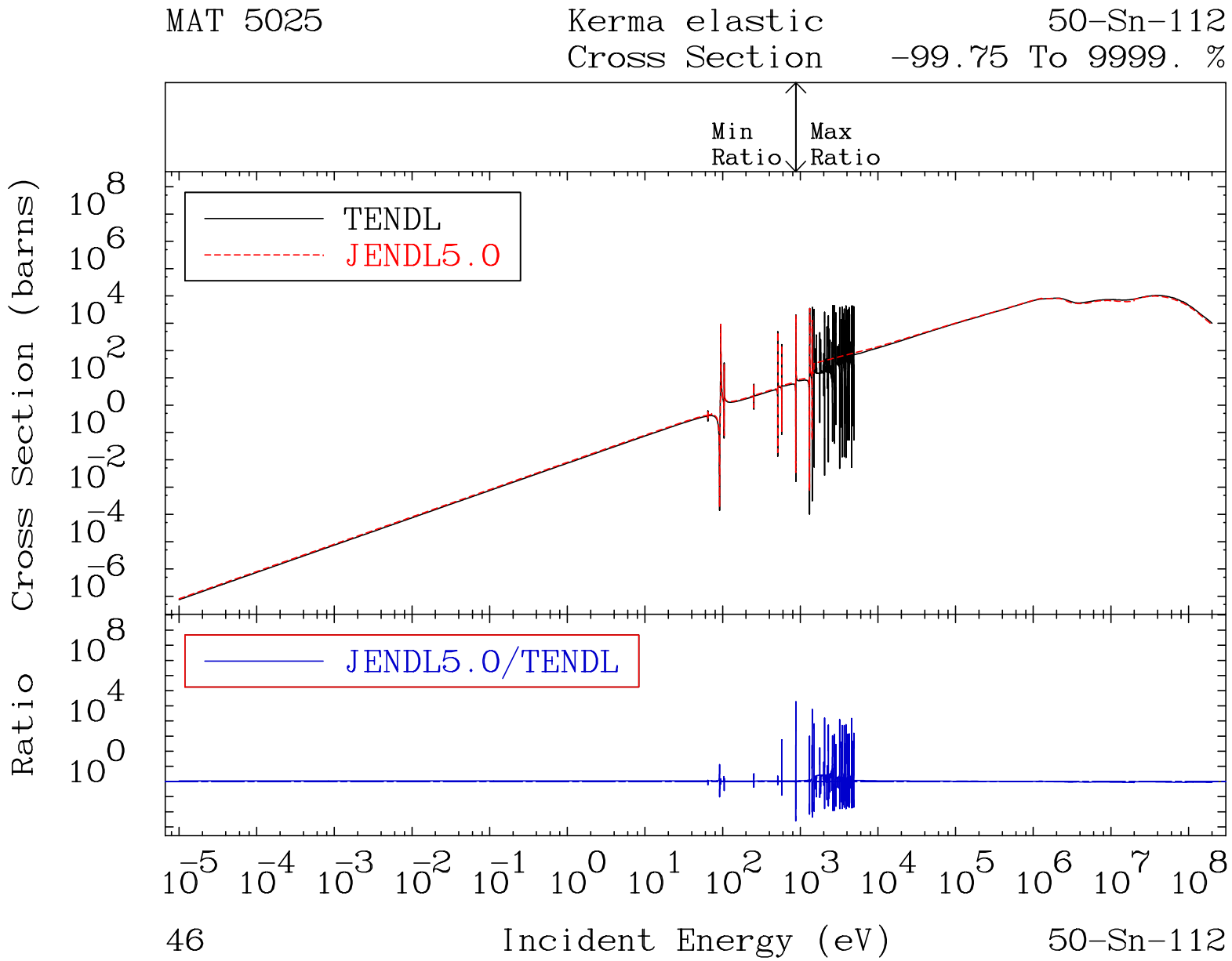

MAT 5025
Deuterium Production
50-Sn-112
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 5.3754 MeV
JENDL5.0 Threshold 5.3780 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
80
40
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
41
Incident Energy (eV)
50-Sn-112

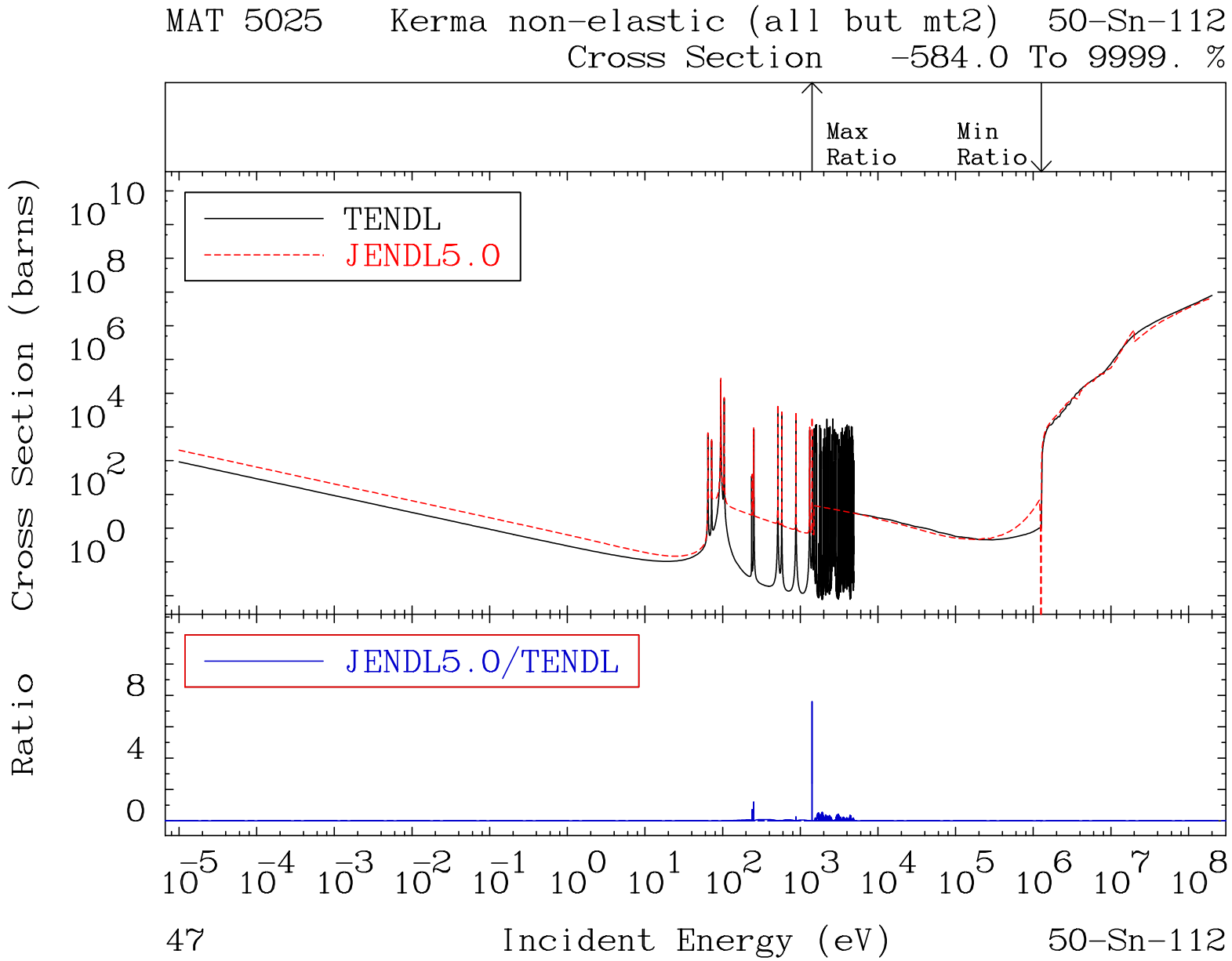

MAT 5025
Tritium Production
50-Sn-112
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 9.1452 MeV
JENDL5.0 Threshold 9.1465 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
6
4
2
0
9
2
3
4
5
6
7
8
9
2
10^7
10^8
42
Incident Energy (eV)
50-Sn-112

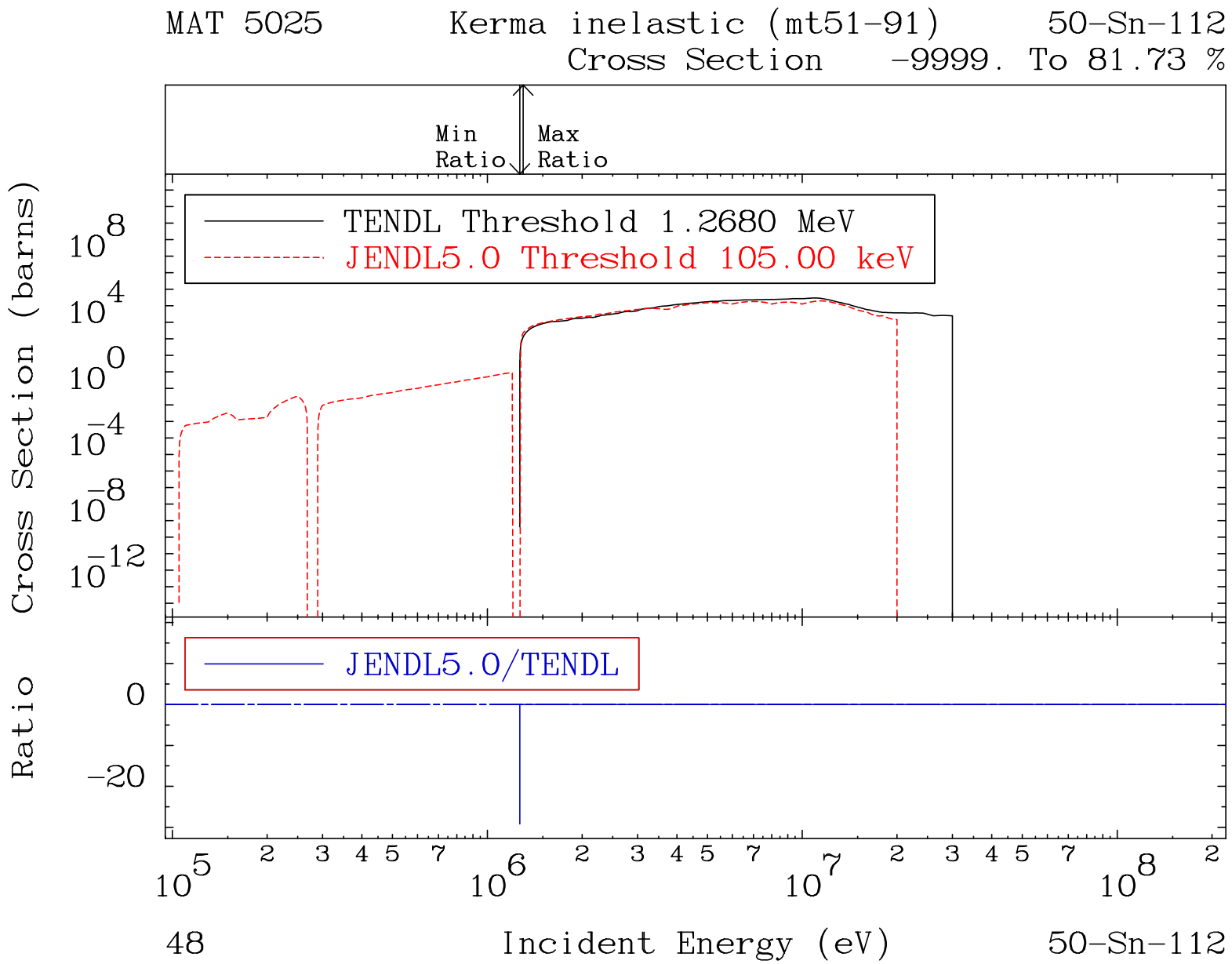

MAT 5025
He-3 Production
50-Sn-112
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.2135 MeV
JENDL5.0 Threshold 5.2148 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
4
2
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
43
Incident Energy (eV)
50-Sn-112

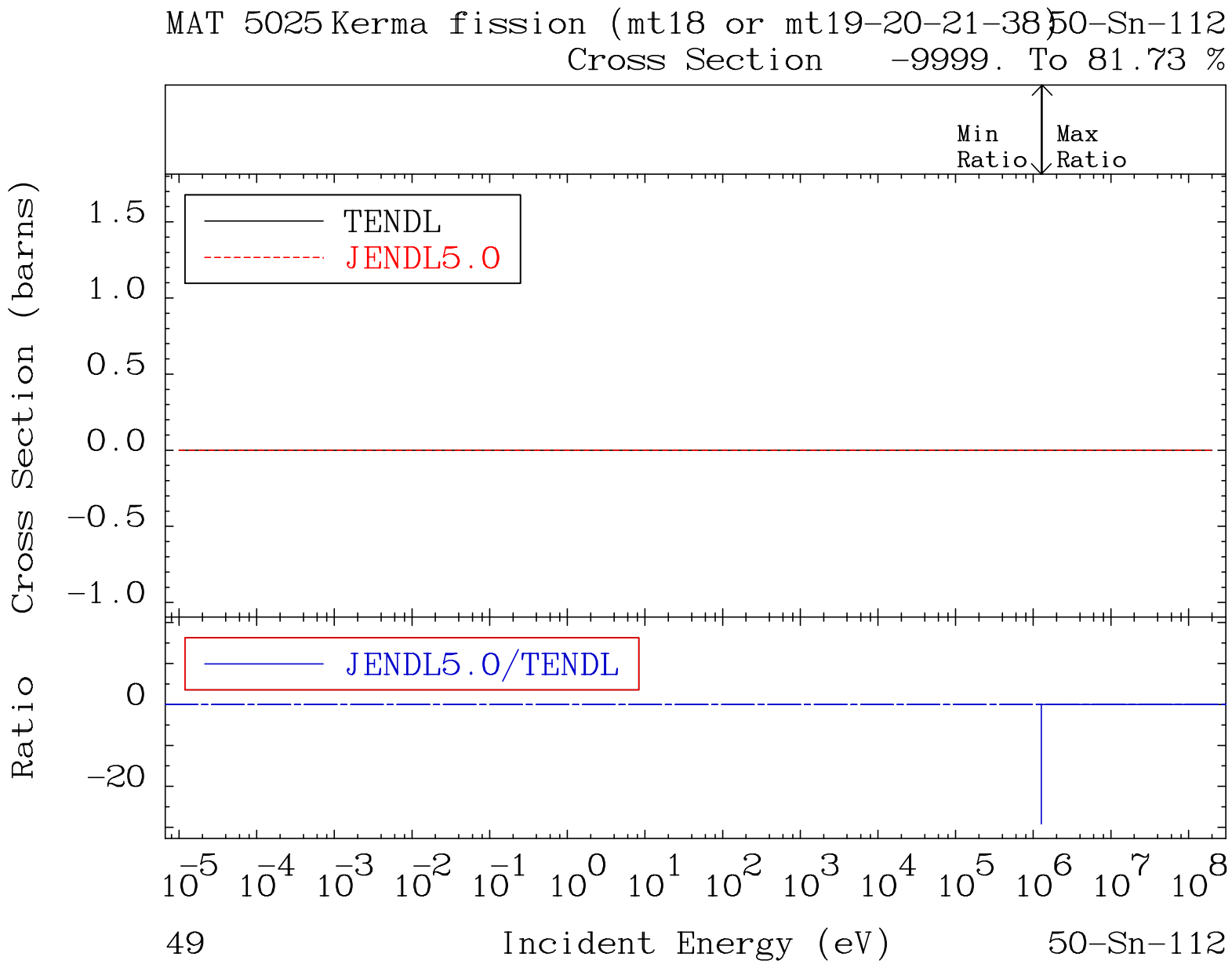

MAT 5025
He-4 Production
Cross Section
50-Sn-112
-84.27 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
44
50-Sn-112

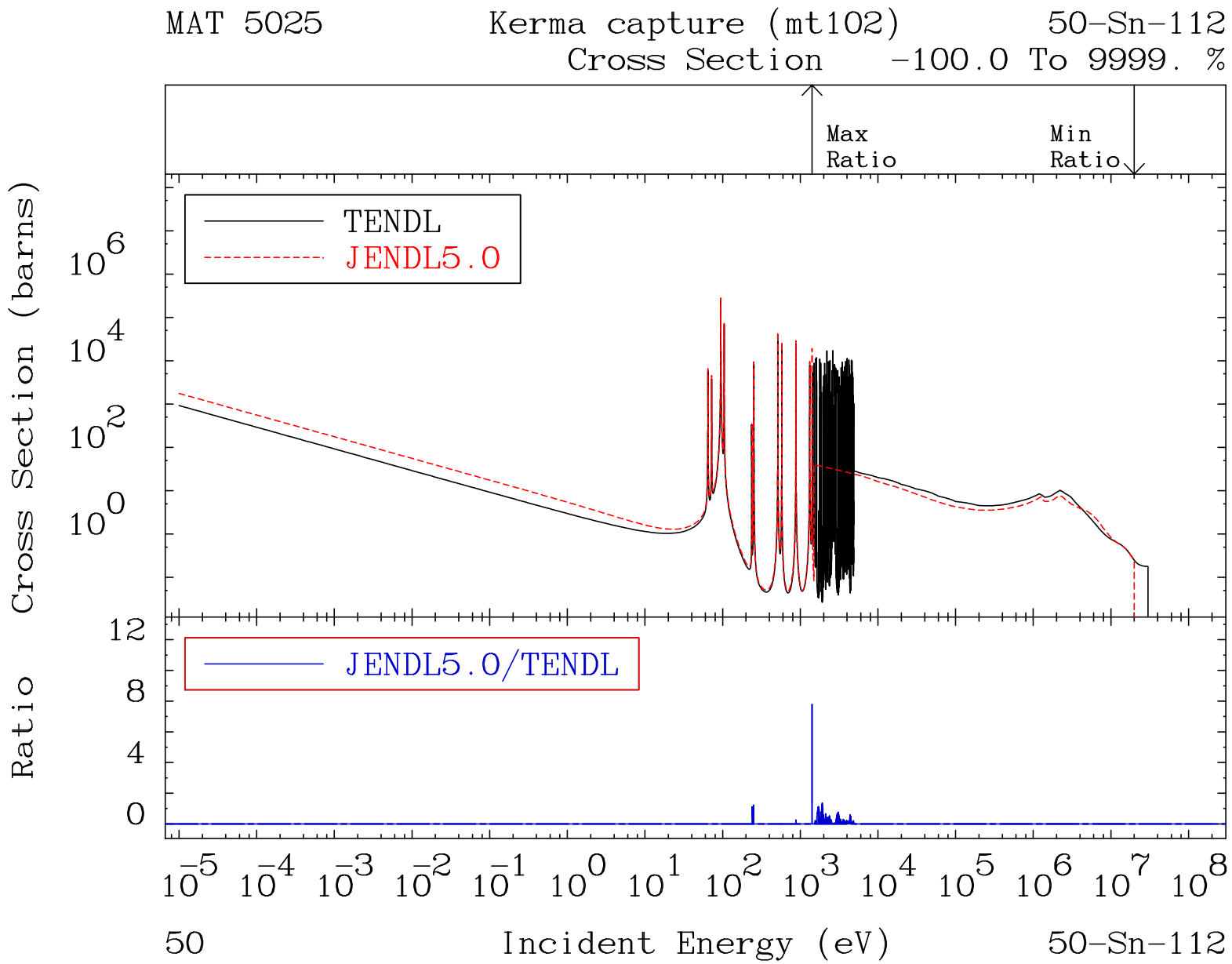

MAT 5025
Kerma total (eV-barns)
50-Sn-112
Cross Section -99.61 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
45
50-Sn-112

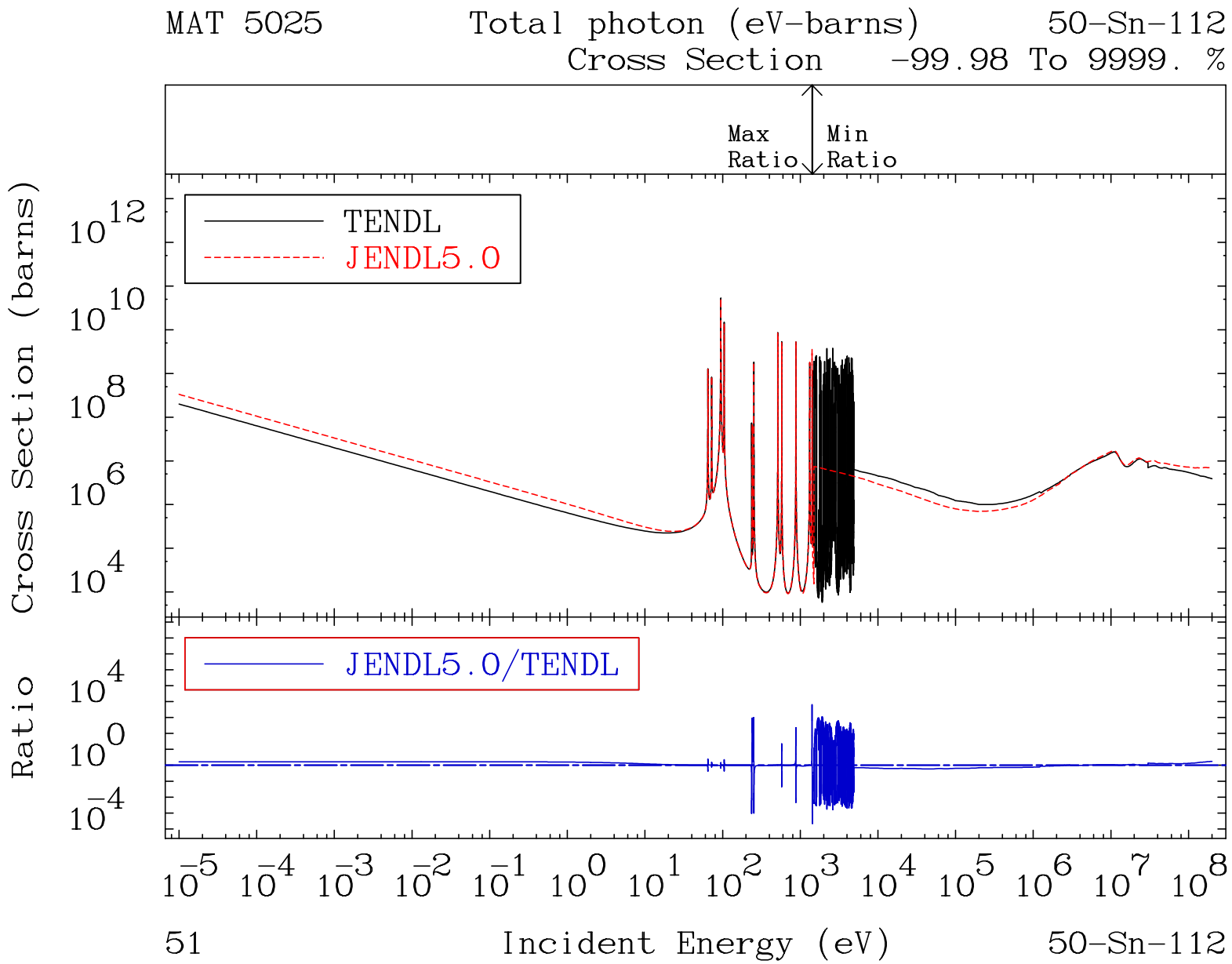

MAT 5025
Kerma elastic
Cross Section
50-Sn-112
-99.75 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
50-Sn-112

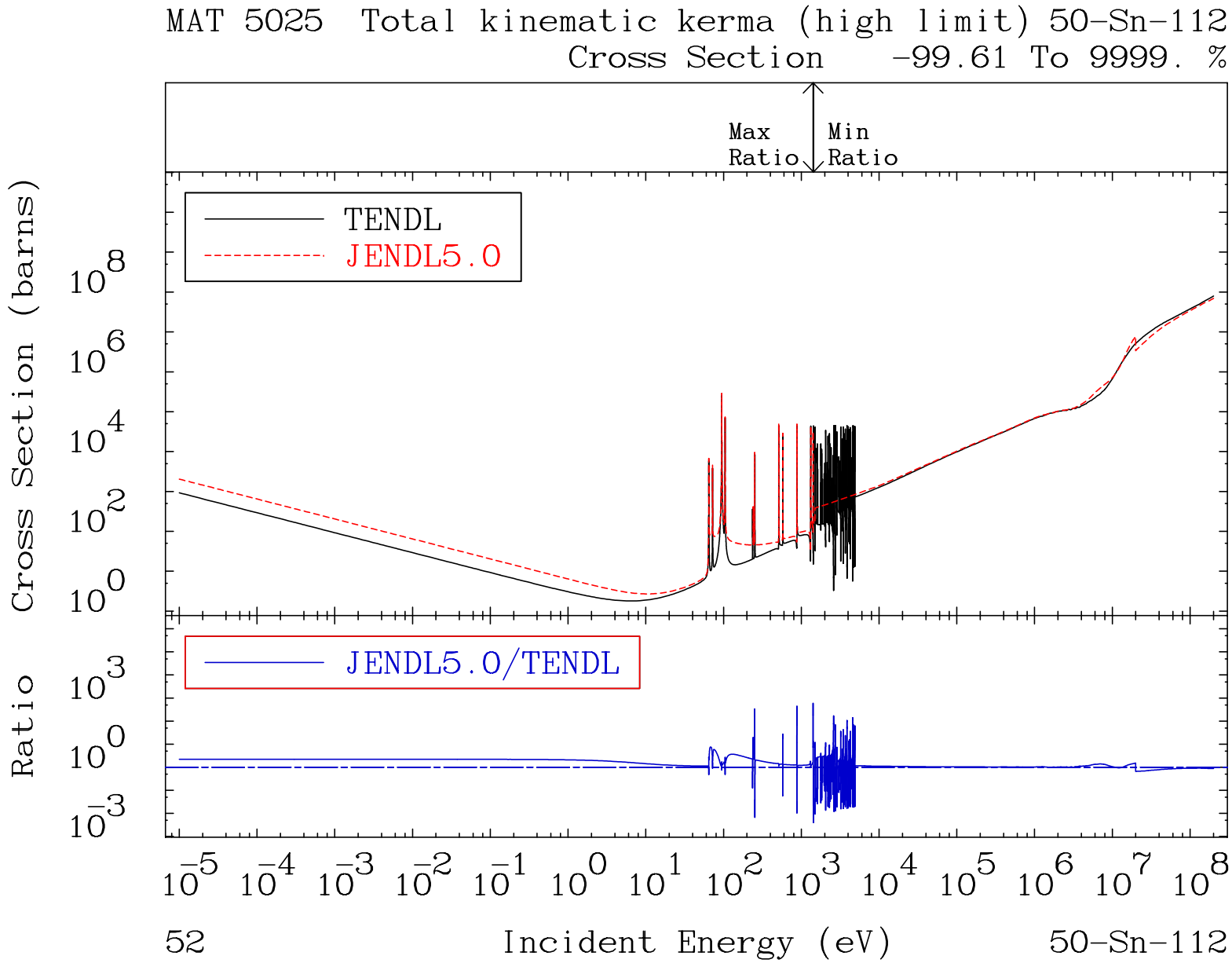

MAT 5025 Kerma non-elastic (all but mt2) 50-Sn-112
Cross Section -584.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
47
50-Sn-112

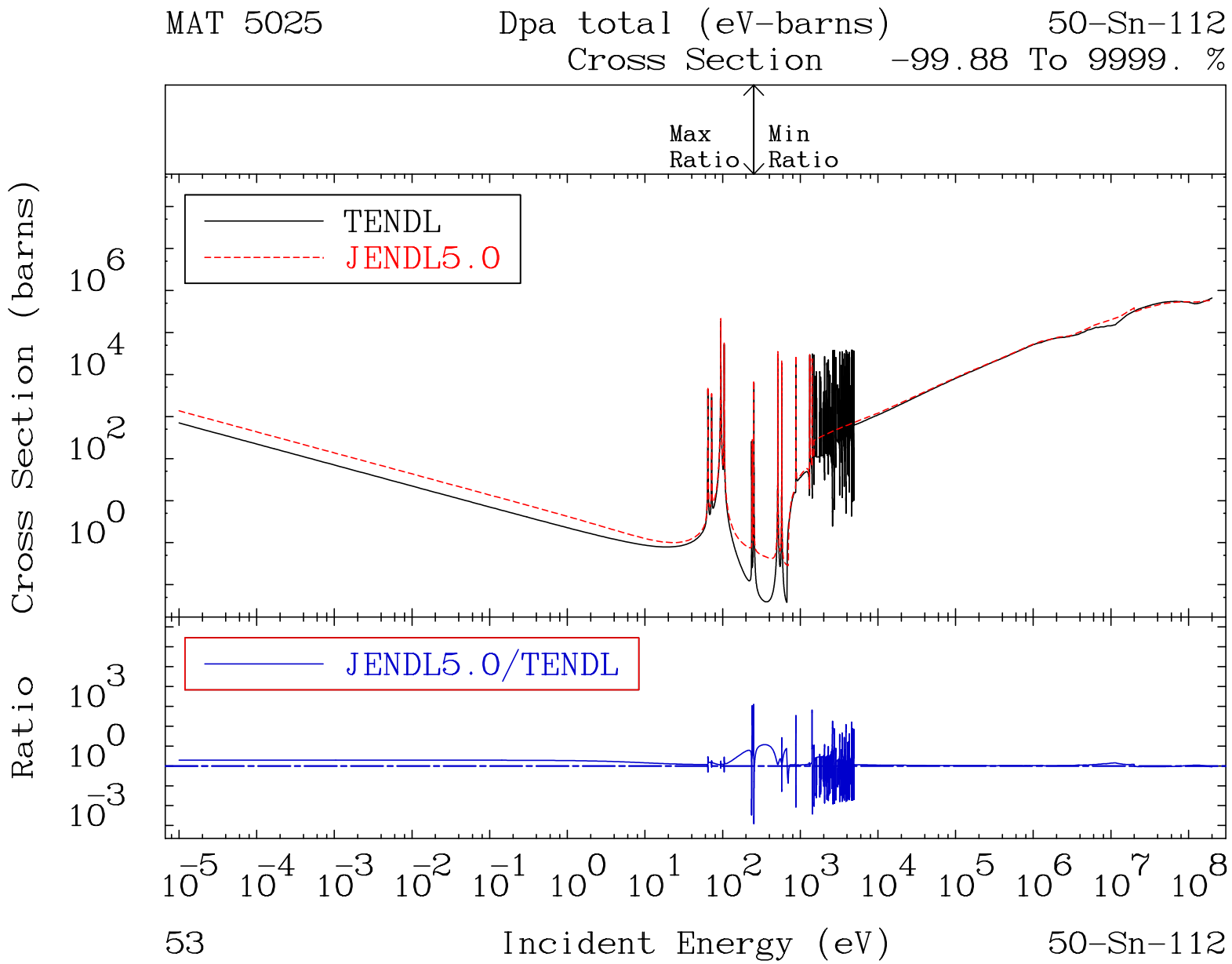

MAT 5025
Kerma inelastic (mt51-91)
50-Sn-112
Cross Section -9999. To 81.73 %
Min Ratio
Max Ratio
TENDL Threshold 1.2680 MeV
JENDL5.0 Threshold 105.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
48
50-Sn-112

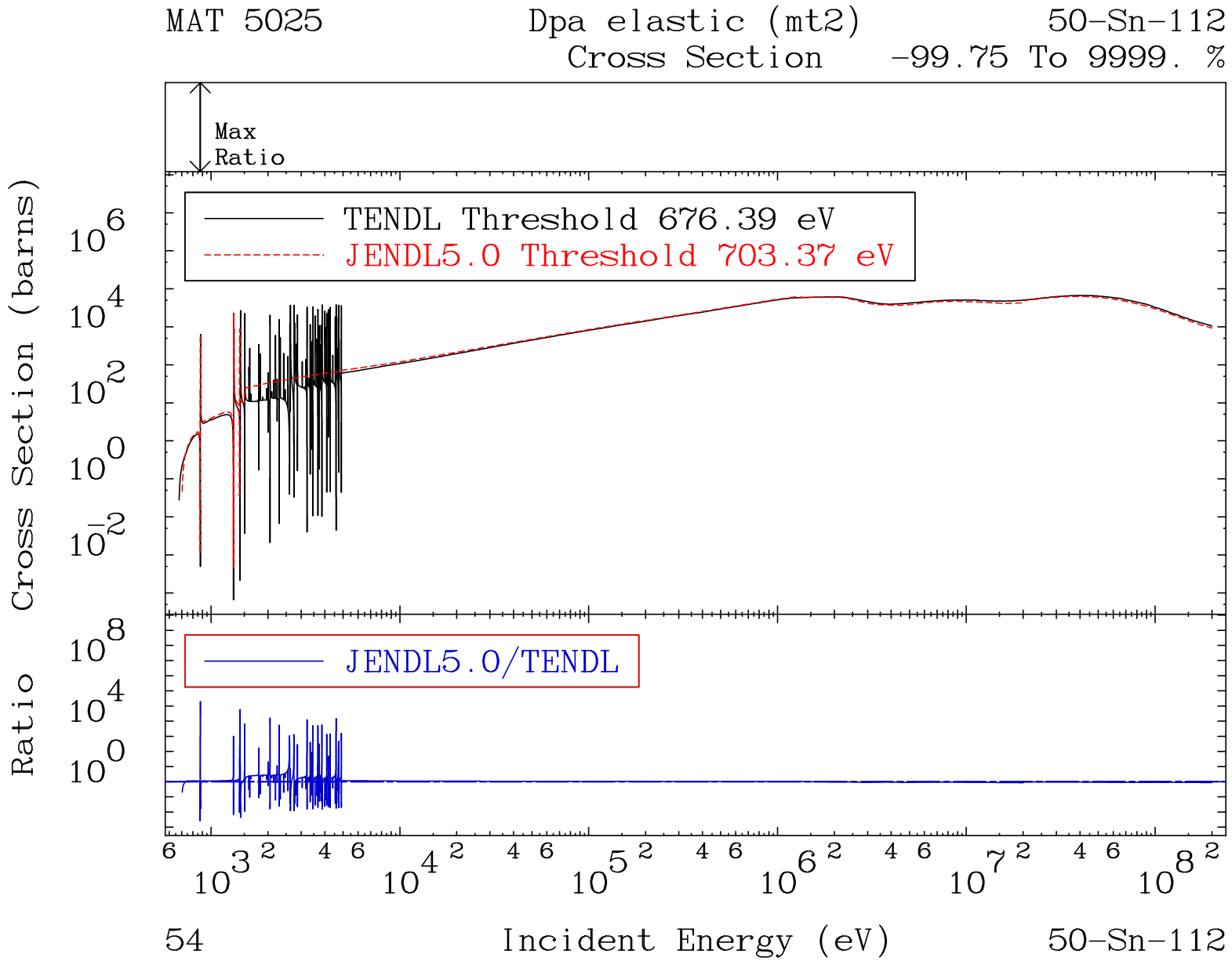

MAT 5025 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-112
Cross Section -9999. To 81.73 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
0
-20
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
49
Incident Energy (eV)
50-Sn-112

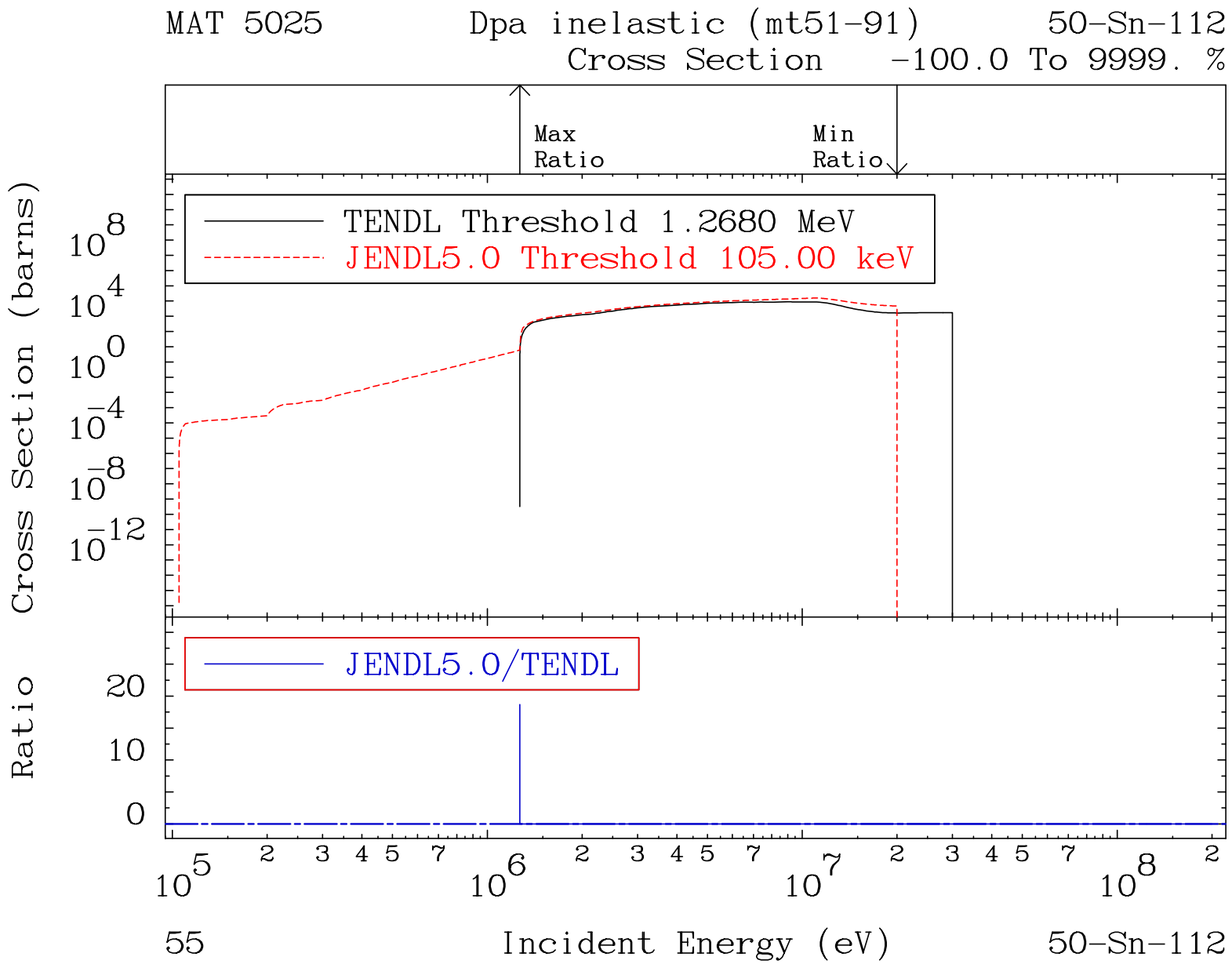

MAT 5025
Kerma capture (mt102)
50-Sn-112
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
50
50-Sn-112

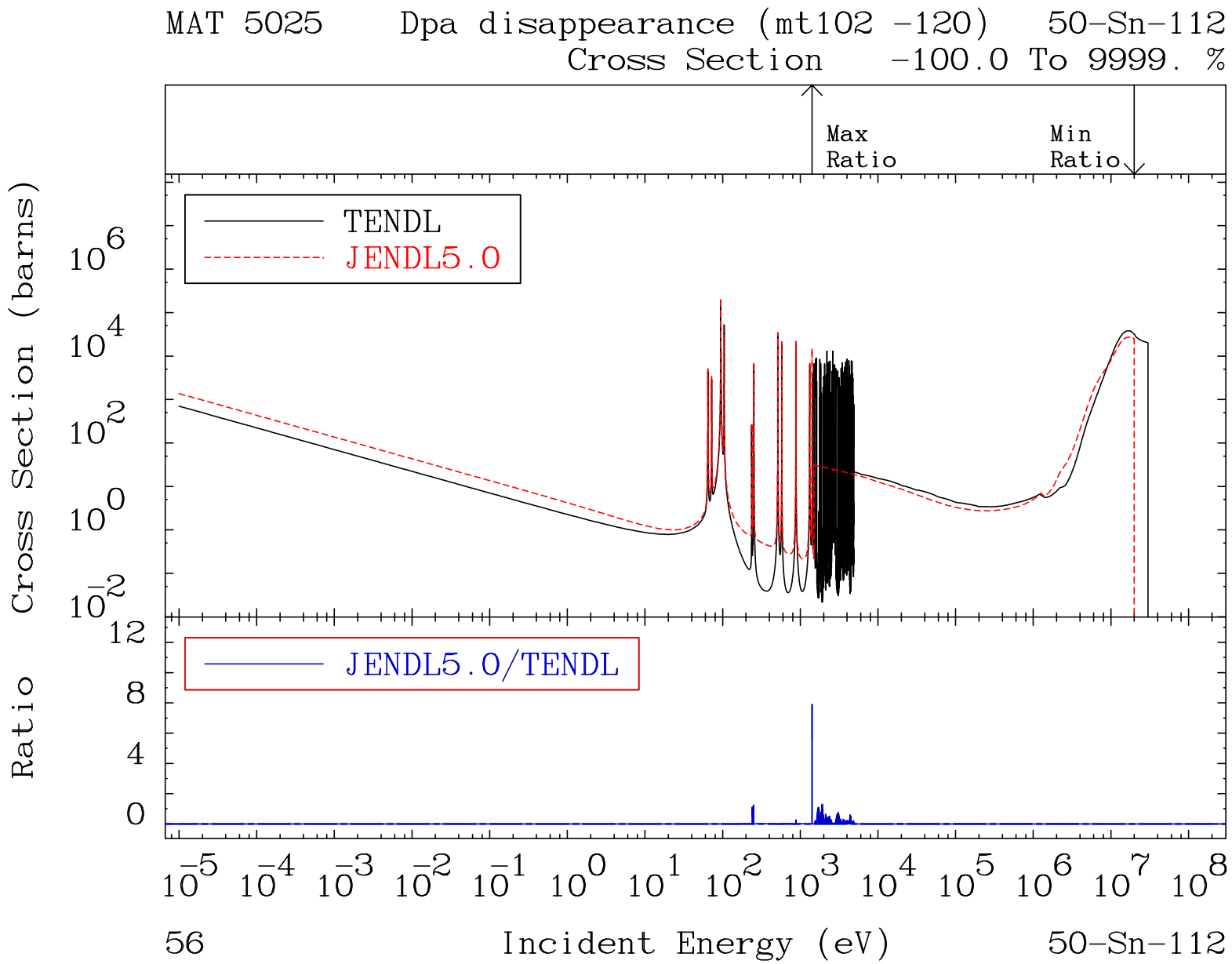

MAT 5025
Total photon (eV-barns)
50-Sn-112
Cross Section -99.98 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
50-Sn-112

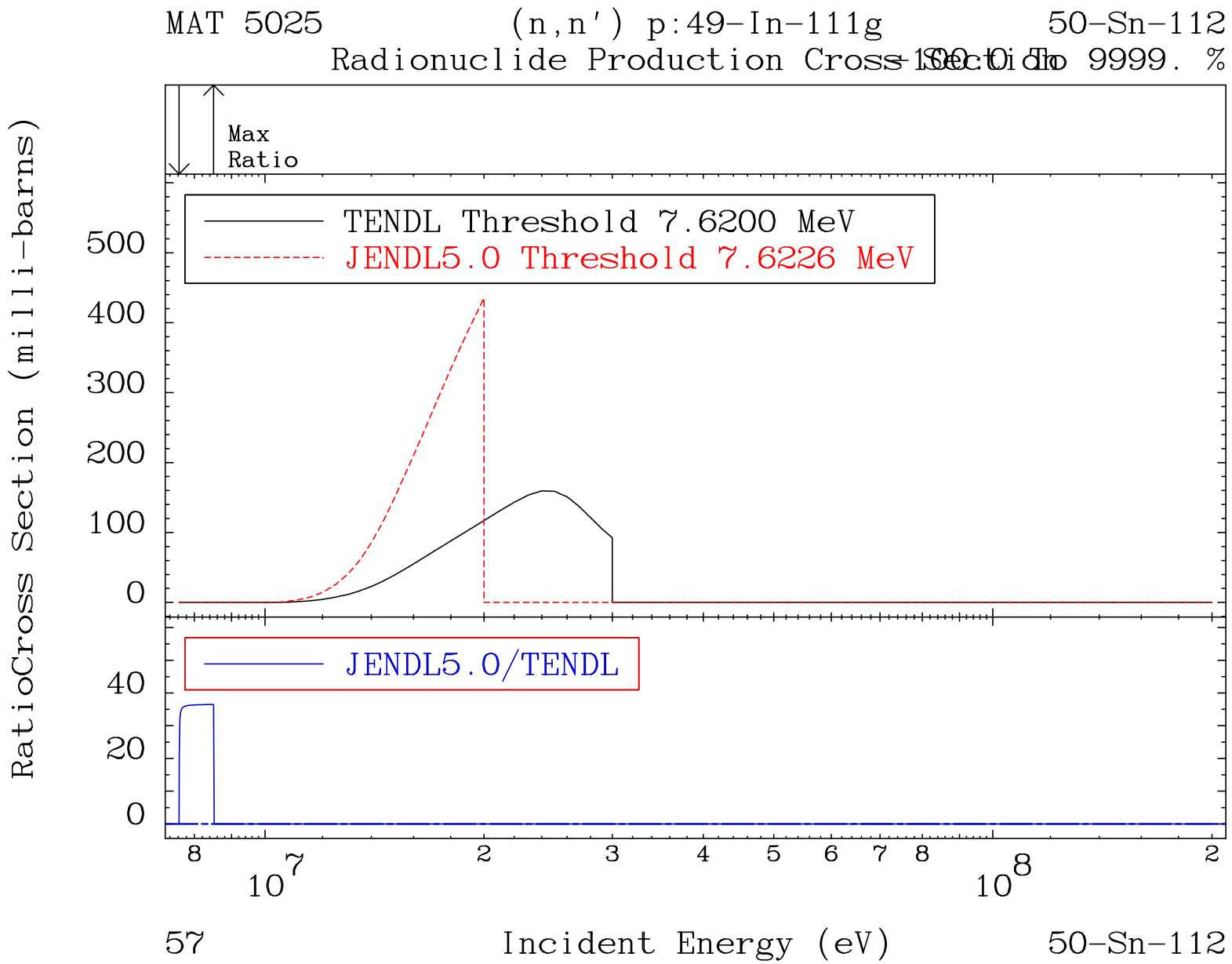

MAT 5025 Total kinematic kerma (high limit) 50-Sn-112
Cross Section -99.61 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
50-Sn-112

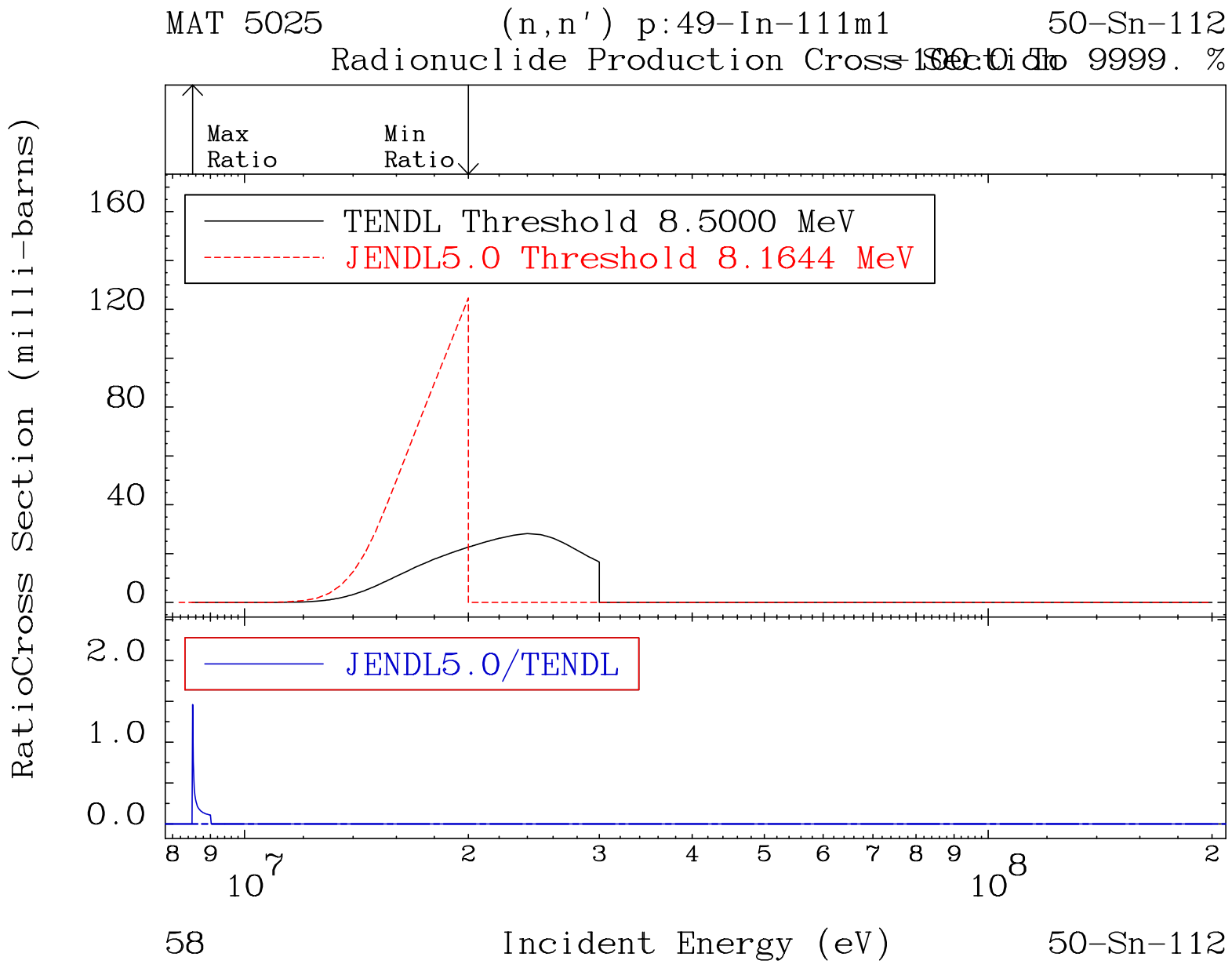

MAT 5025
Dpa total (eV-barns)
50-Sn-112
Cross Section
-99.88 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
50-Sn-112

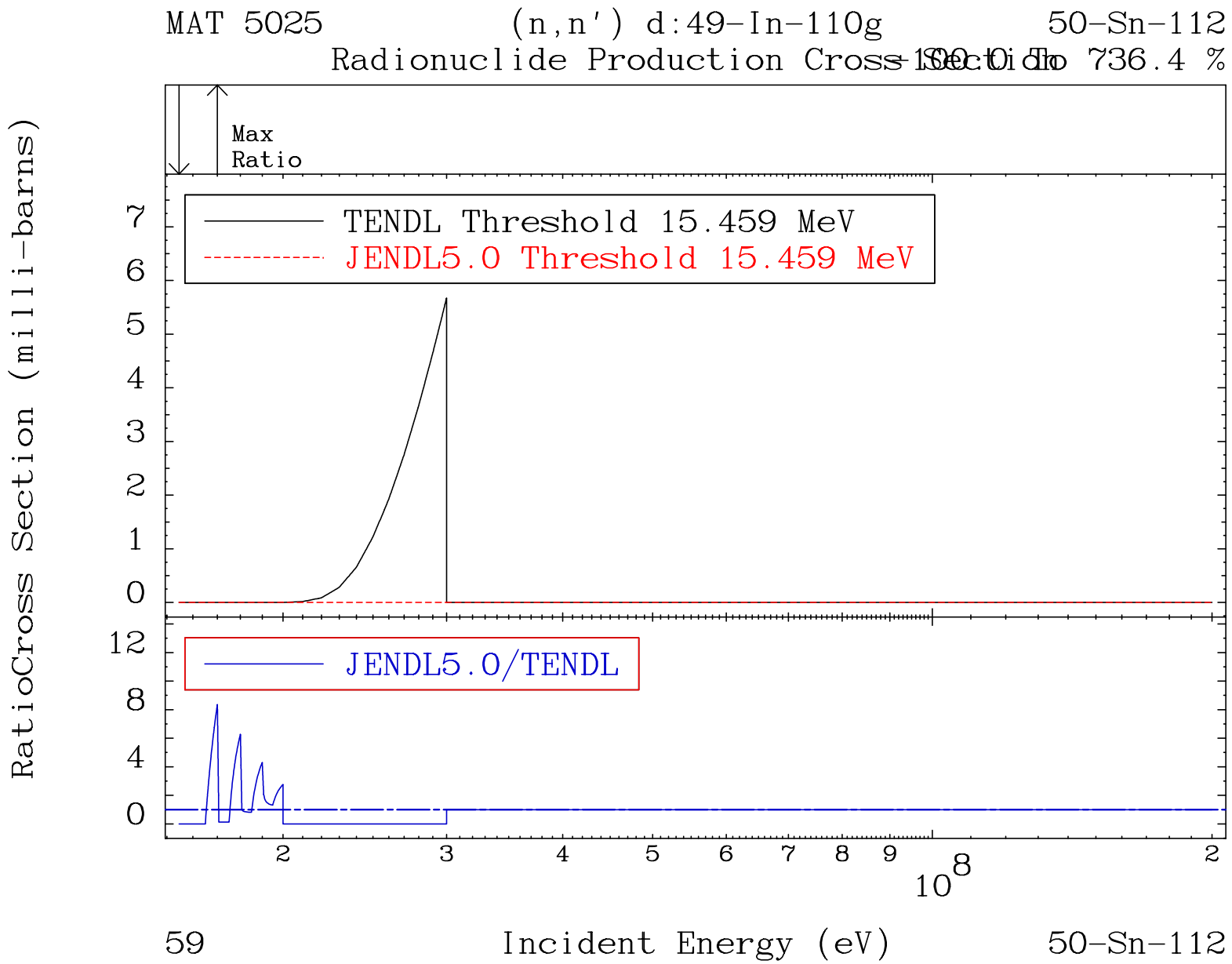

MAT 5025
Dpa elastic (mt2)
Cross Section
50-Sn-112
-99.75 To 9999. %
Max
Ratio
TENDL Threshold 676.39 eV
JENDL5.0 Threshold 703.37 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
50-Sn-112

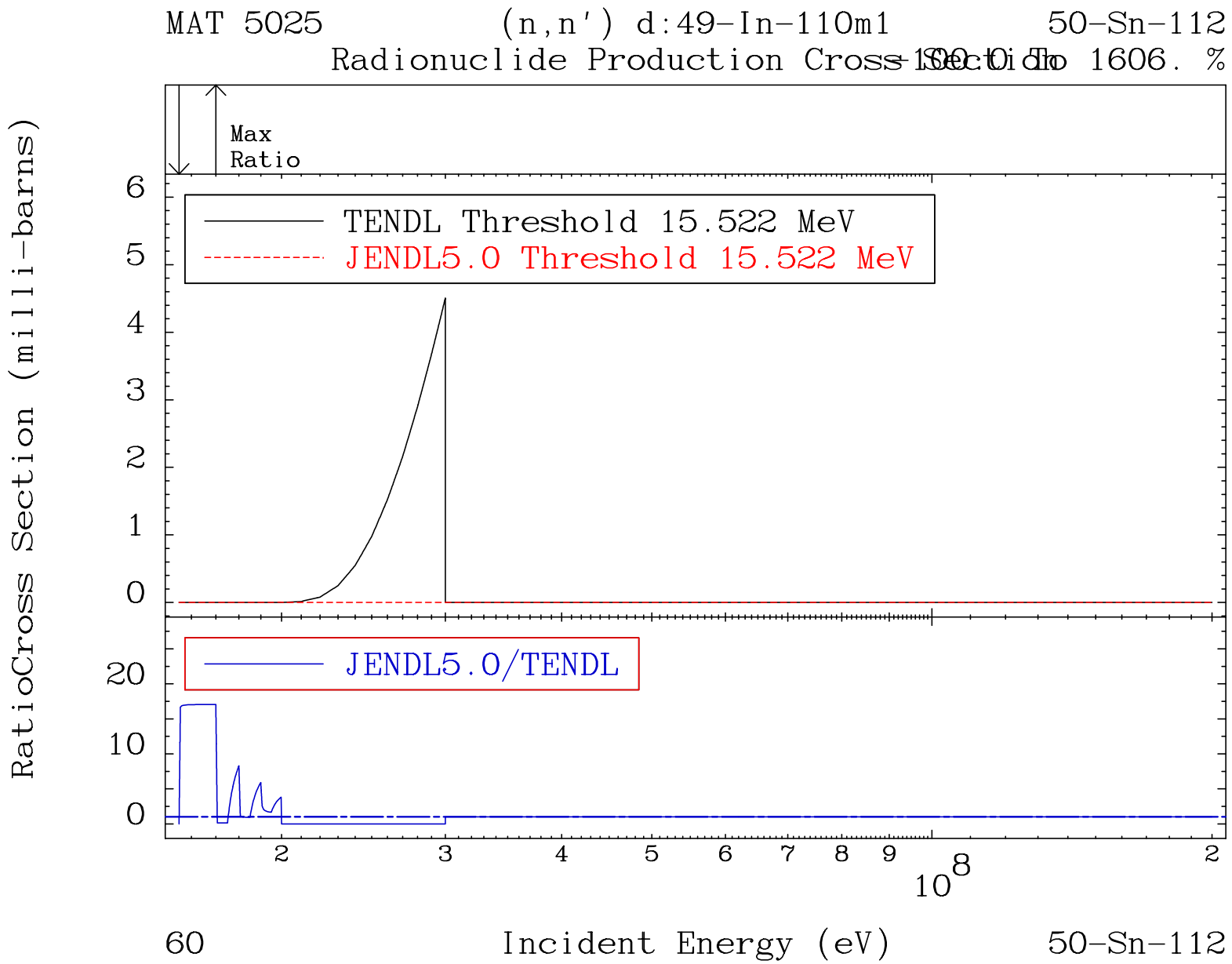

MAT 5025
Dpa inelastic (mt51-91)
50-Sn-112
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.2680 MeV
JENDL5.0 Threshold 105.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
55
50-Sn-112

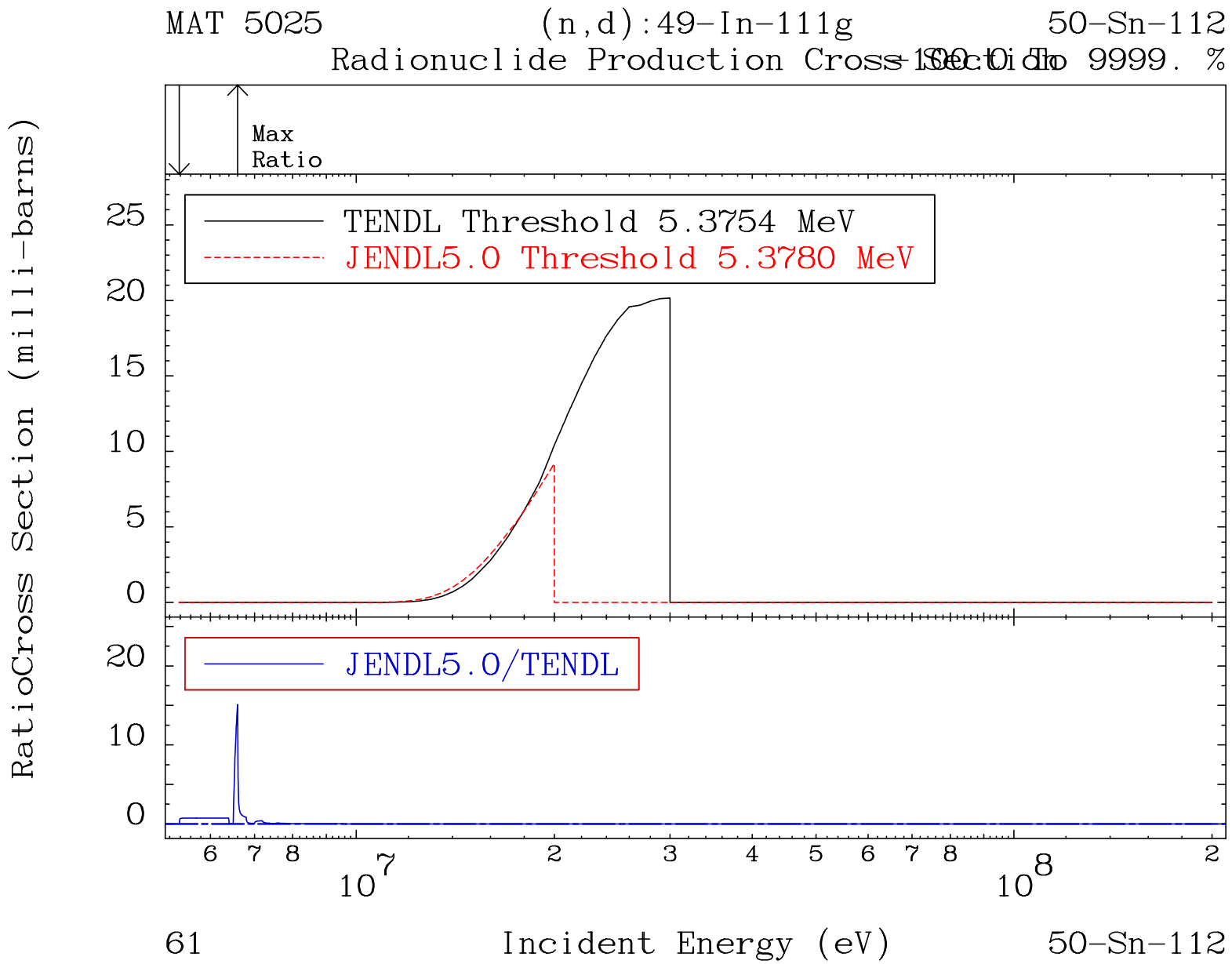

MAT 5025 Dpa disappearance (mt102 -120) 50-Sn-112
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
56
50-Sn-112

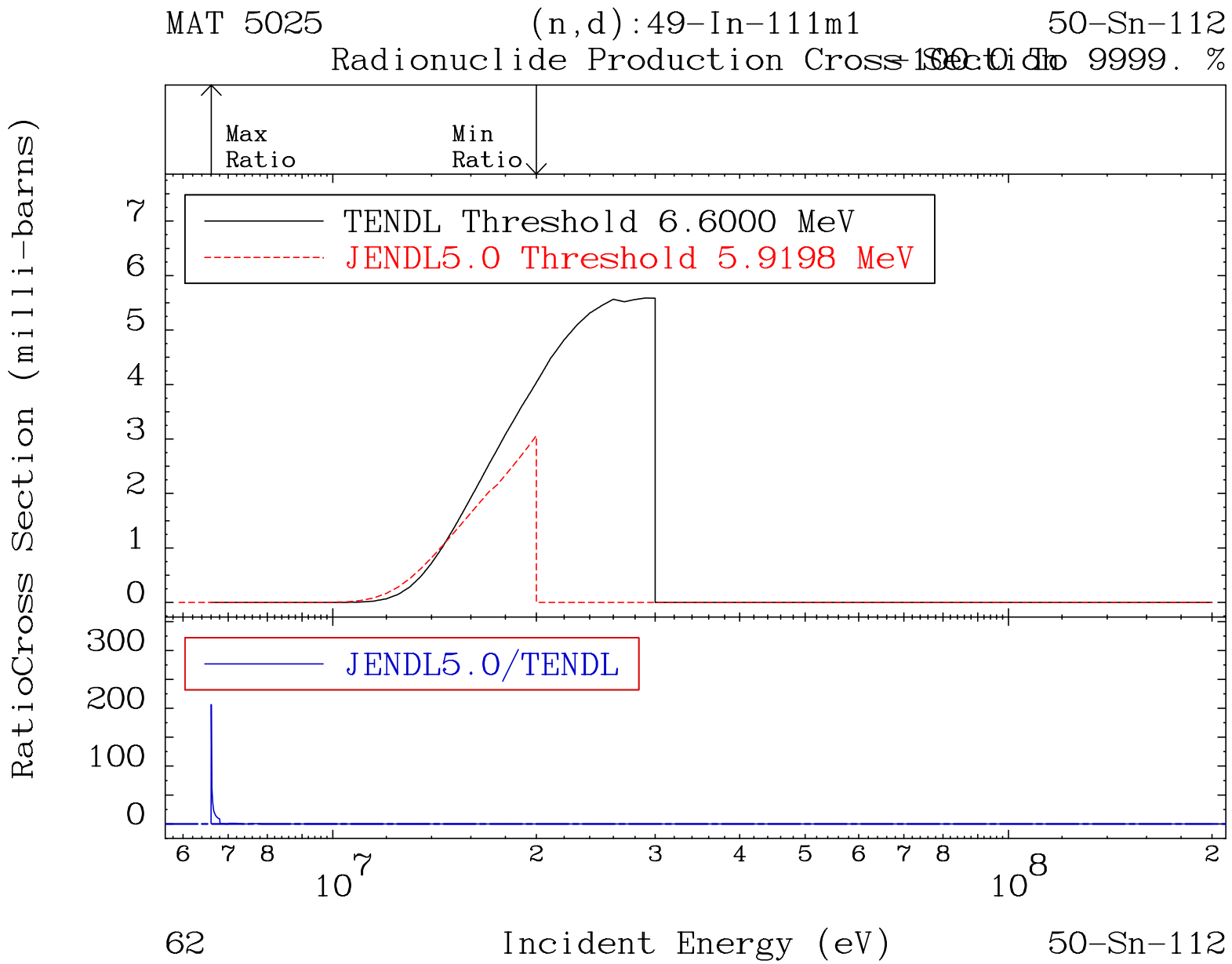

MAT 5025
(n,n') p:49-In-111g
50-Sn-112
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 7.6200 MeV
JENDL5.0 Threshold 7.6226 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
40
20
0
8
2
3
4
5
6
7
8
2
10^7
10^8
57
Incident Energy (eV)
50-Sn-112

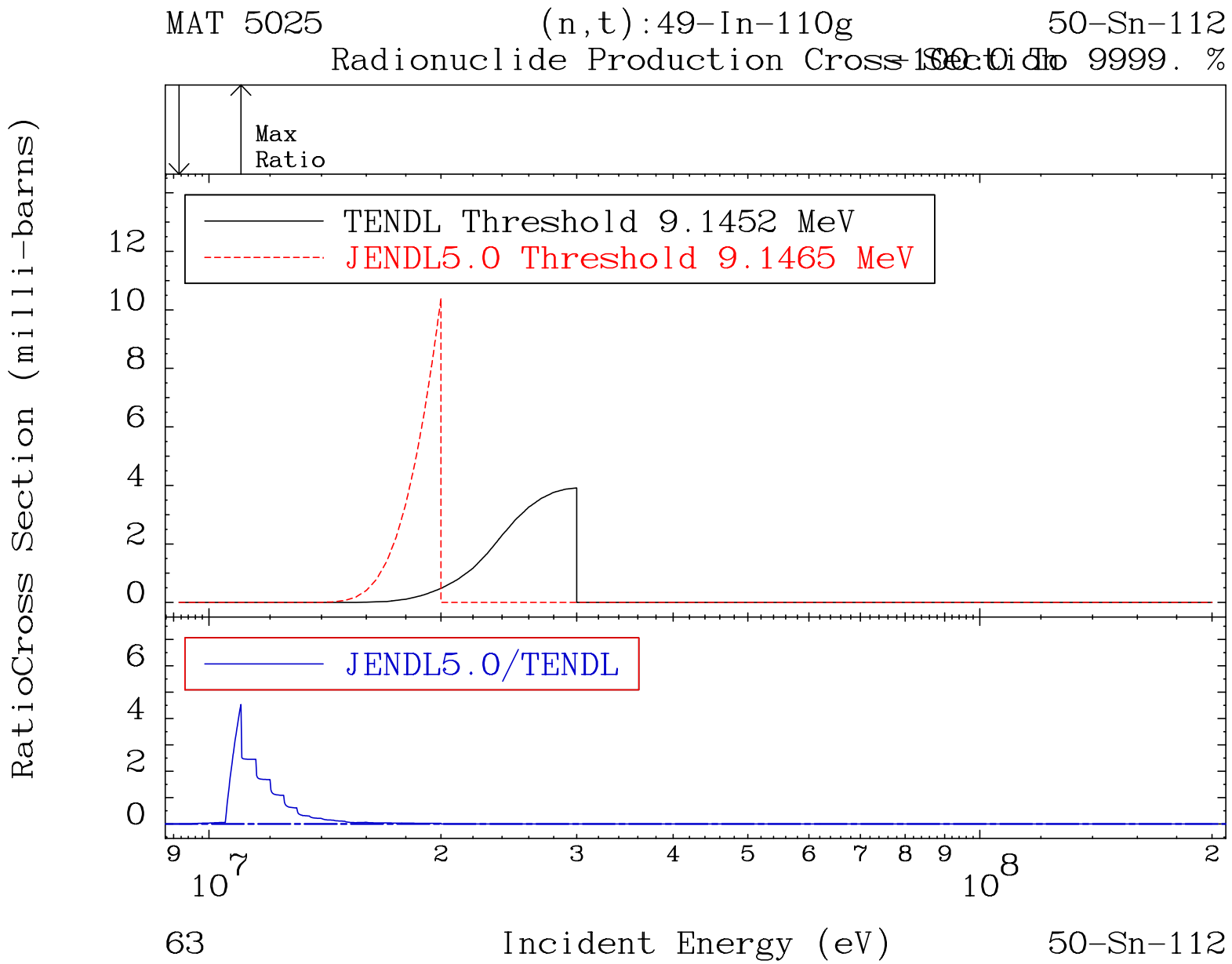

MAT 5025
(n,n') p:49-In-111m1
50-Sn-112
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 8.5000 MeV
JENDL5.0 Threshold 8.1644 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2.0
1.0
0.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
58
Incident Energy (eV)
50-Sn-112

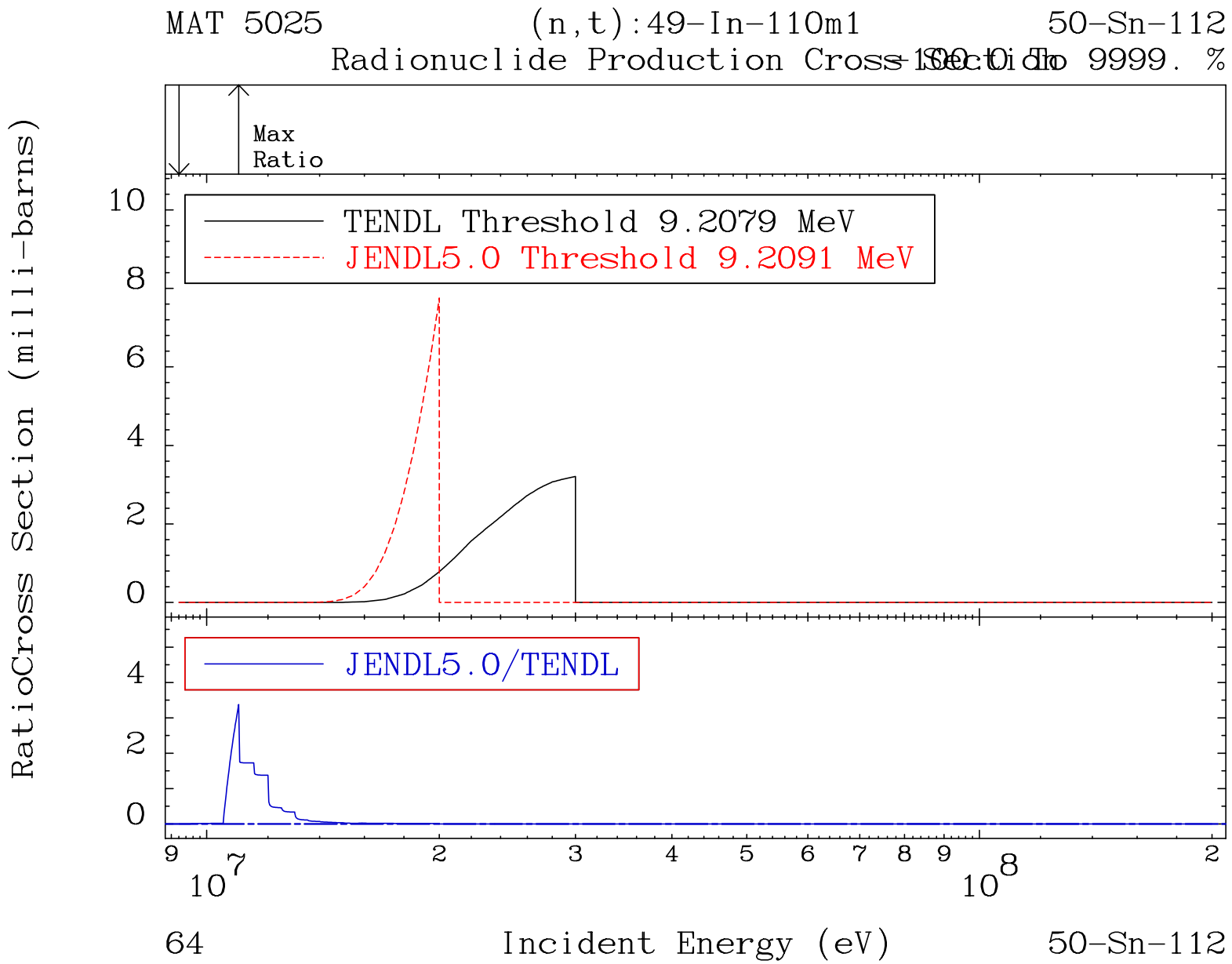

MAT 5025
(n,n') d:49-In-110g
50-Sn-112
Radionuclide Production Cross Section To 736.4 %
Max
Ratio
TENDL Threshold 15.459 MeV
JENDL5.0 Threshold 15.459 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
59
50-Sn-112

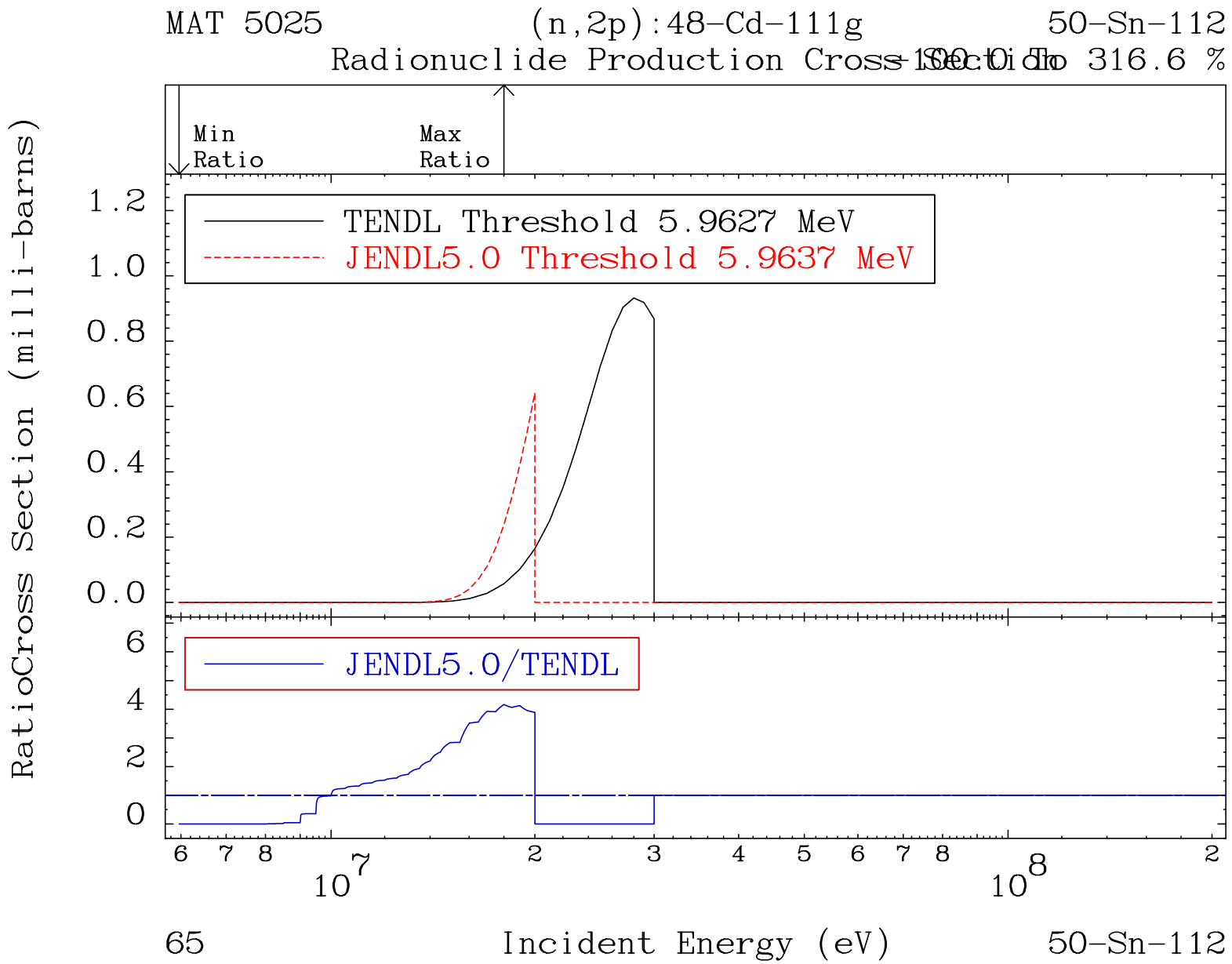

MAT 5025
(n,n') d:49-In-110m1
50-Sn-112
Radionuclide Production Cross Section To 1606. %
Max
Ratio
TENDL Threshold 15.522 MeV
JENDL5.0 Threshold 15.522 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
60
50-Sn-112

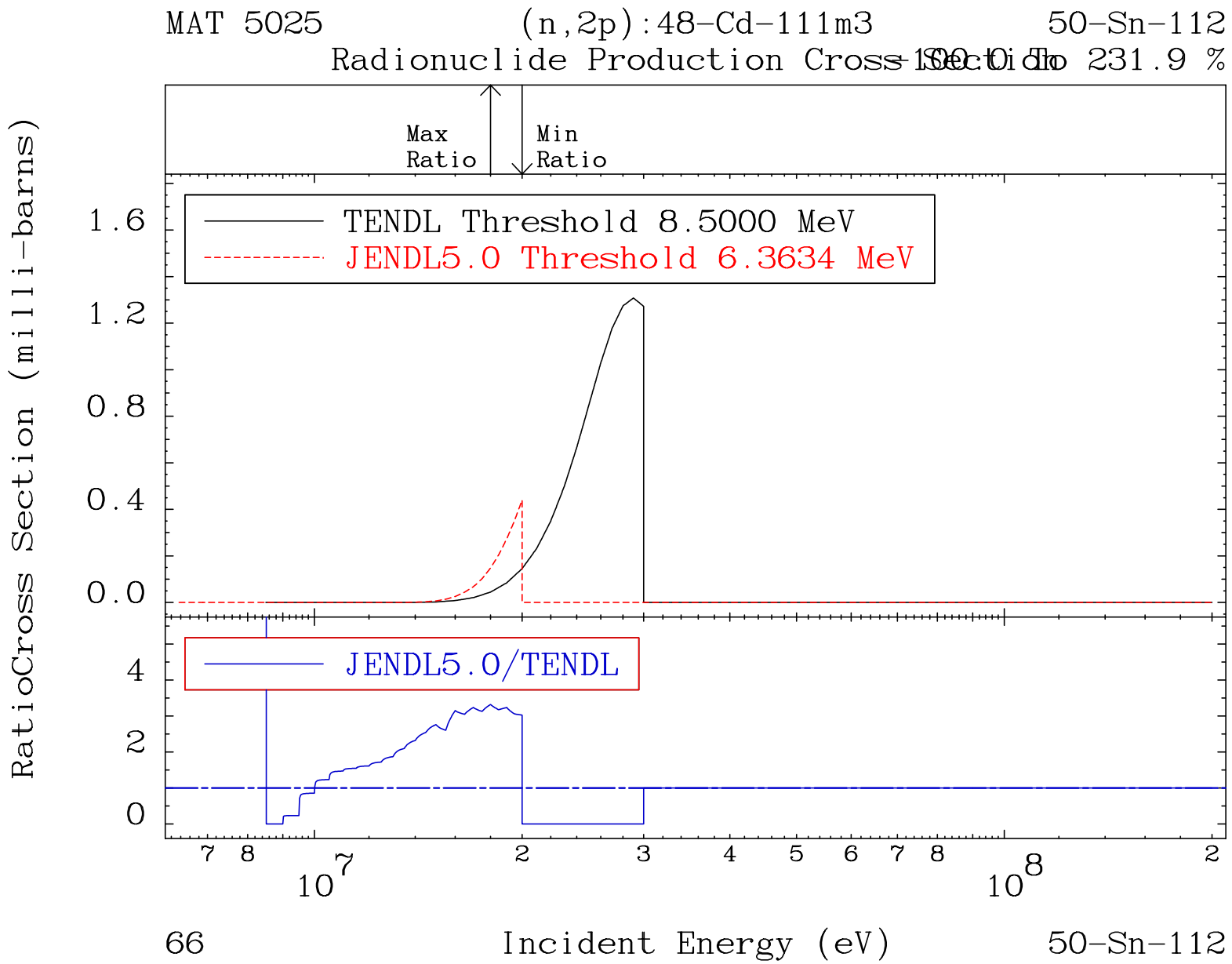

MAT 5025
(n,d):49-In-111g
50-Sn-112
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 5.3754 MeV
JENDL5.0 Threshold 5.3780 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
20
10
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
61
Incident Energy (eV)
50-Sn-112

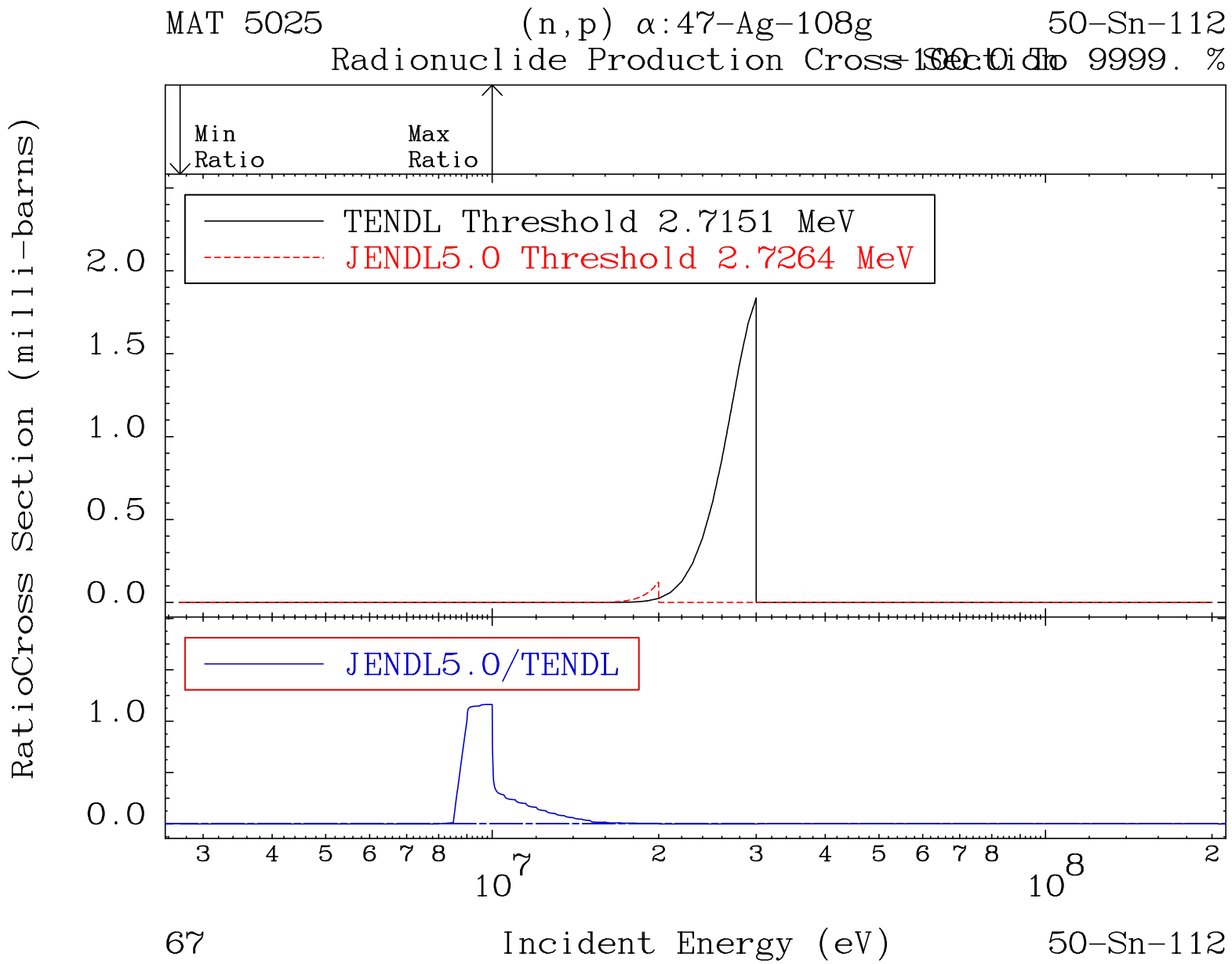

MAT 5025
(n,d):49-In-111m1
50-Sn-112
Radionuclide Production Cross Section
100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.6000 MeV
JENDL5.0 Threshold 5.9198 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
62
50-Sn-112

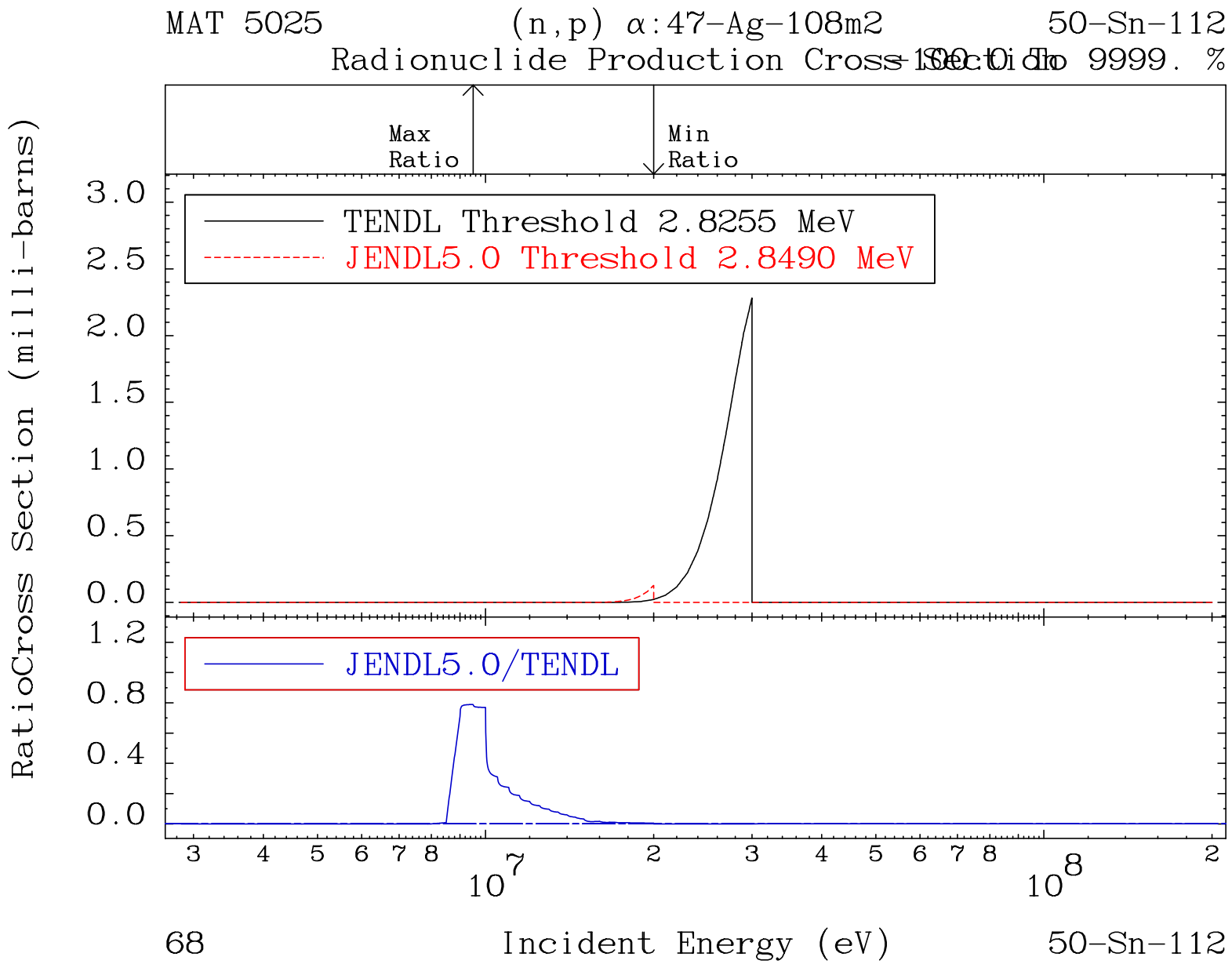

MAT 5025
(n,t):49-In-110g
50-Sn-112
Radionuclide Production Cross Section
190.0 To 9999. %
Max
Ratio
TENDL Threshold 9.1452 MeV
JENDL5.0 Threshold 9.1465 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
63
50-Sn-112


MAT 5025
(n,t):49-In-110m1
50-Sn-112
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 9.2079 MeV
JENDL5.0 Threshold 9.2091 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
64
50-Sn-112


MAT 5025
(n,2p):48-Cd-111g
50-Sn-112
Radionuclide Production Cross Section To 316.6 %
Min Ratio
Max Ratio
TENDL Threshold 5.9627 MeV
JENDL5.0 Threshold 5.9637 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
65
50-Sn-112


MAT 5025
(n,2p):48-Cd-111m3
50-Sn-112
Radionuclide Production Cross Section To 231.9 %
Max Ratio
Min Ratio
TENDL Threshold 8.5000 MeV
JENDL5.0 Threshold 6.3634 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
4
2
0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
66
Incident Energy (eV)
50-Sn-112


MAT 5025
(n,p) α:47-Ag-108g
50-Sn-112
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.7151 MeV
JENDL5.0 Threshold 2.7264 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
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
67
Incident Energy (eV)
50-Sn-112


MAT 5025
(n,p) α:47-Ag-108m2
50-Sn-112
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.8255 MeV
JENDL5.0 Threshold 2.8490 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
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
68
Incident Energy (eV)
50-Sn-112