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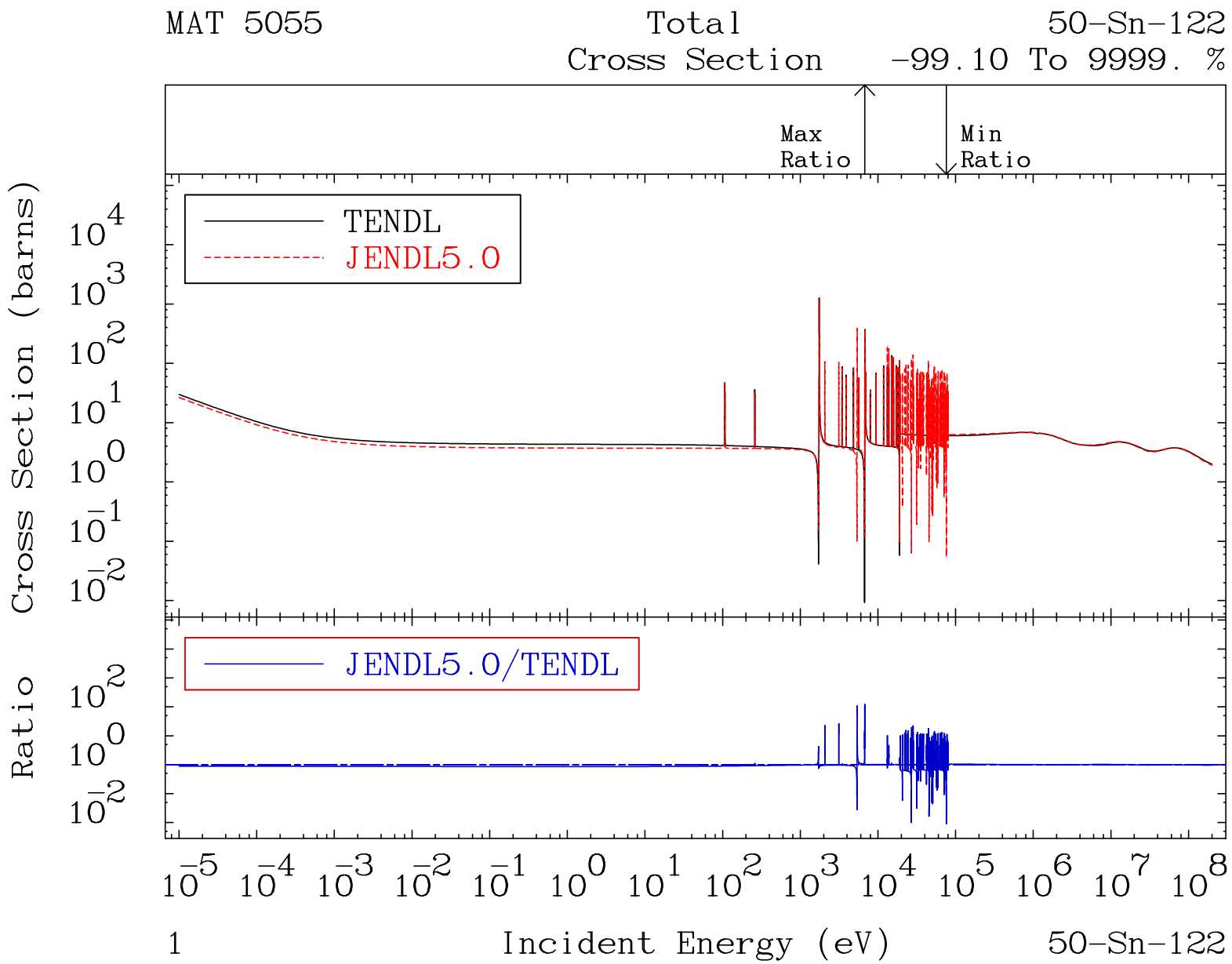
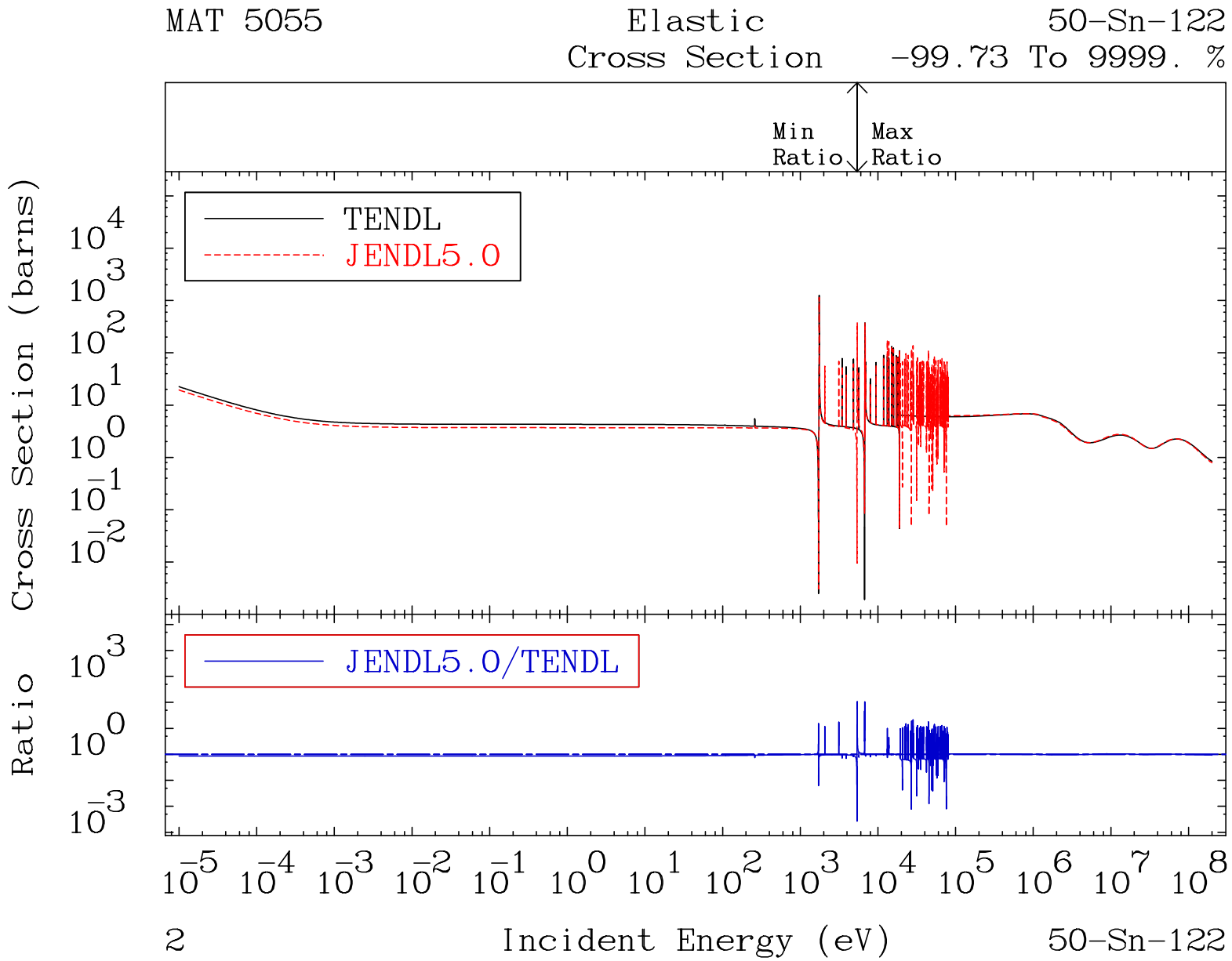
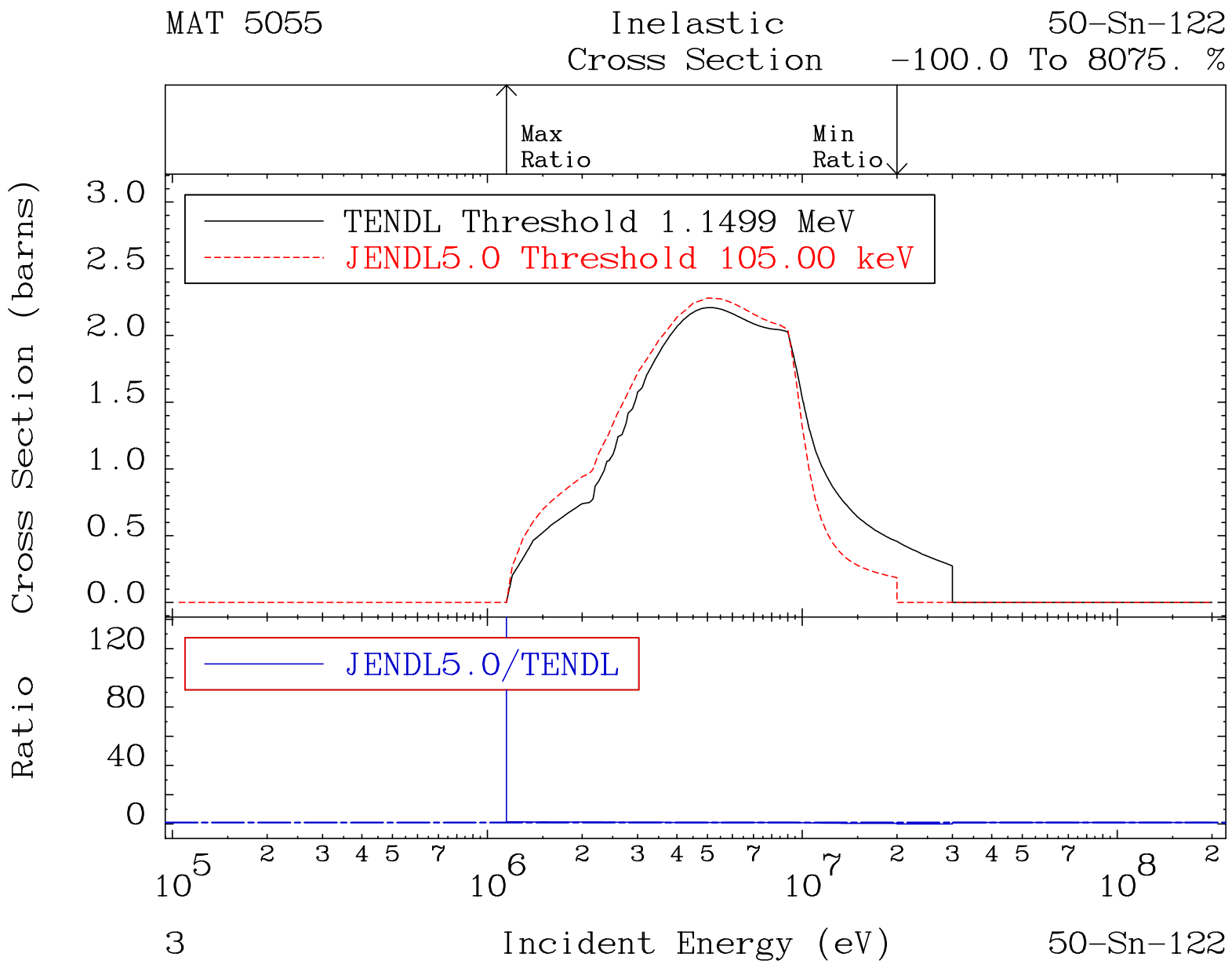
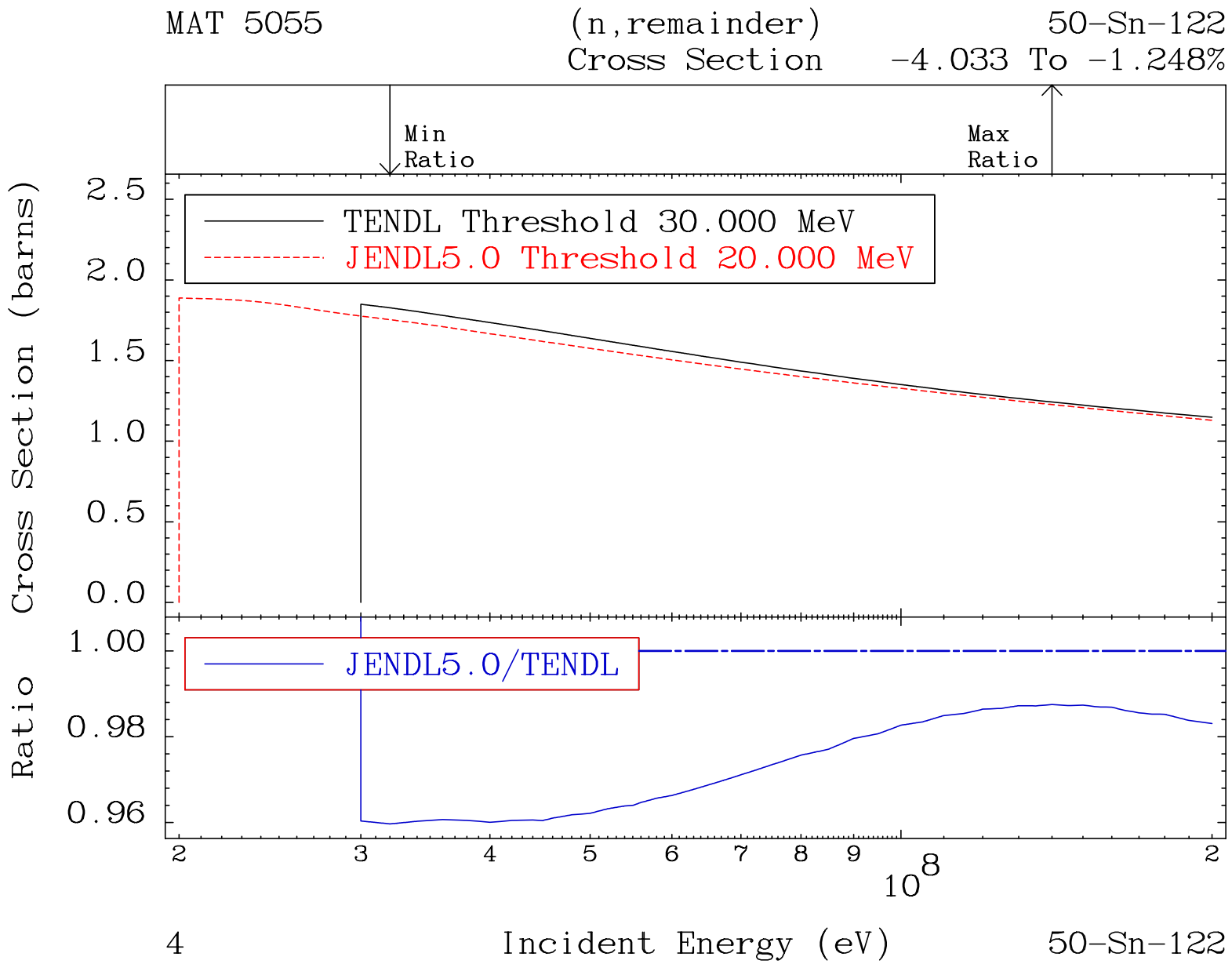
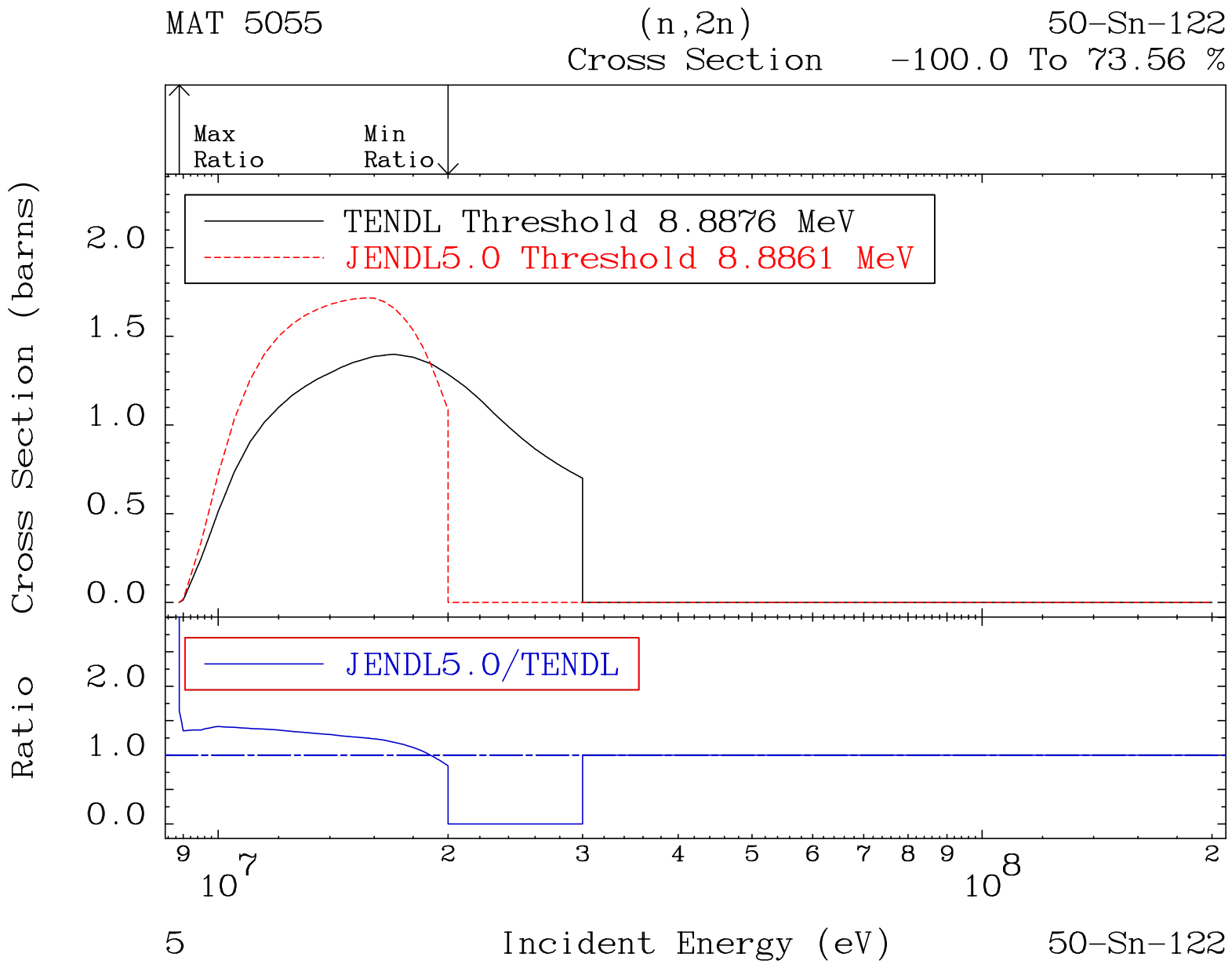
Press Mouse Button to Start

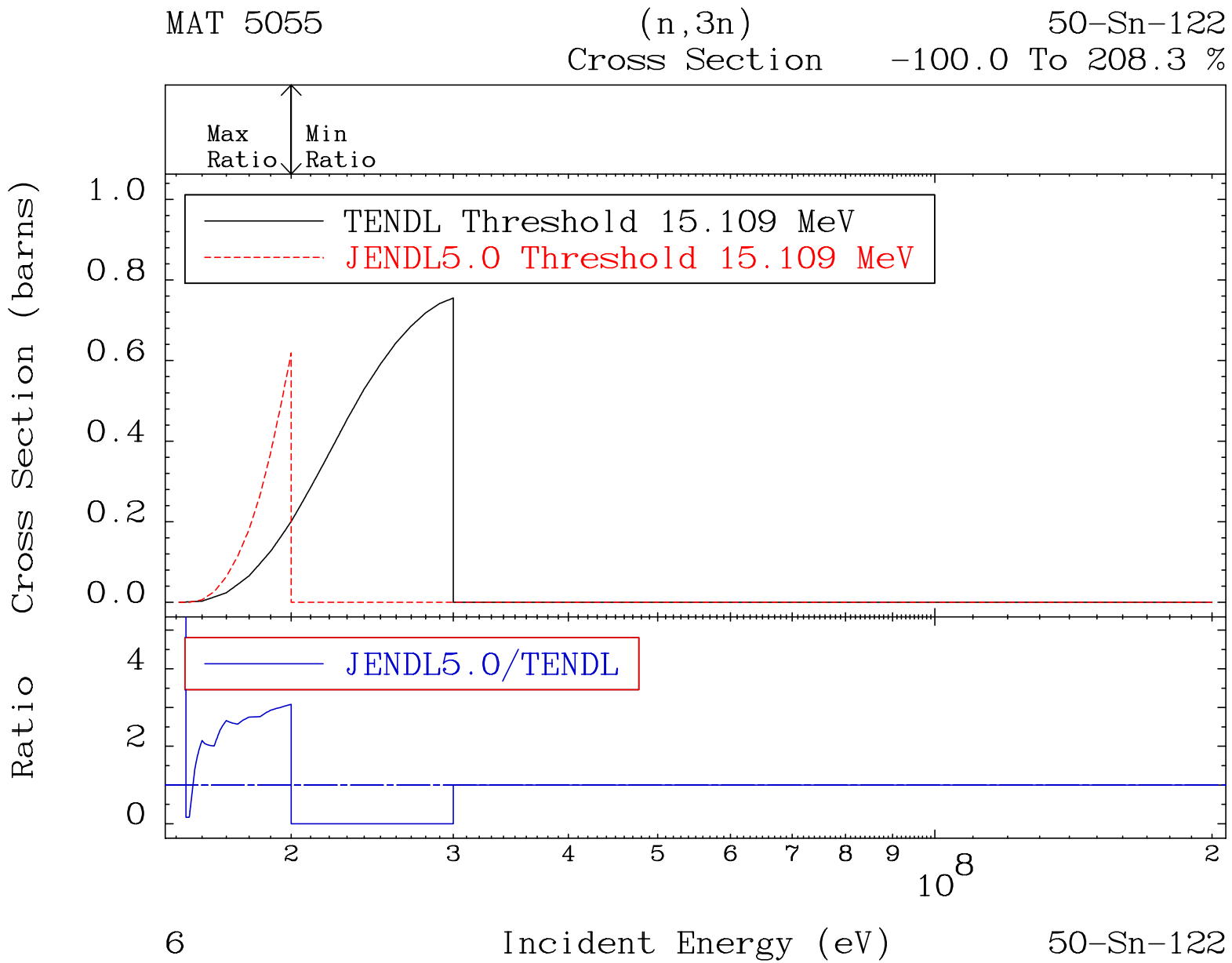

MAT 5055
Total
Cross Section
50-Sn-122
-99.10 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
50-Sn-122

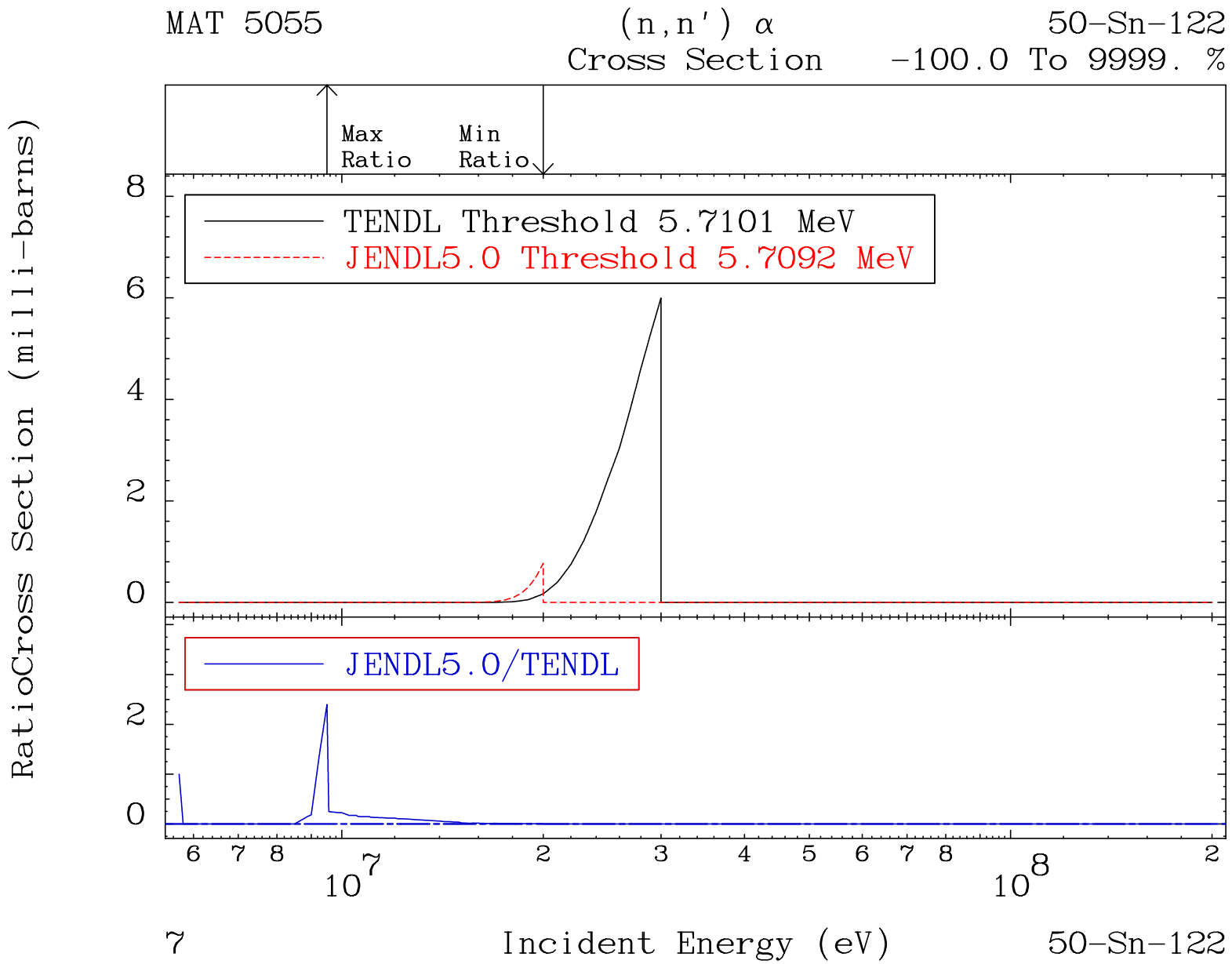

MAT 5055
Elastic
Cross Section
50-Sn-122
-99.73 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
50-Sn-122

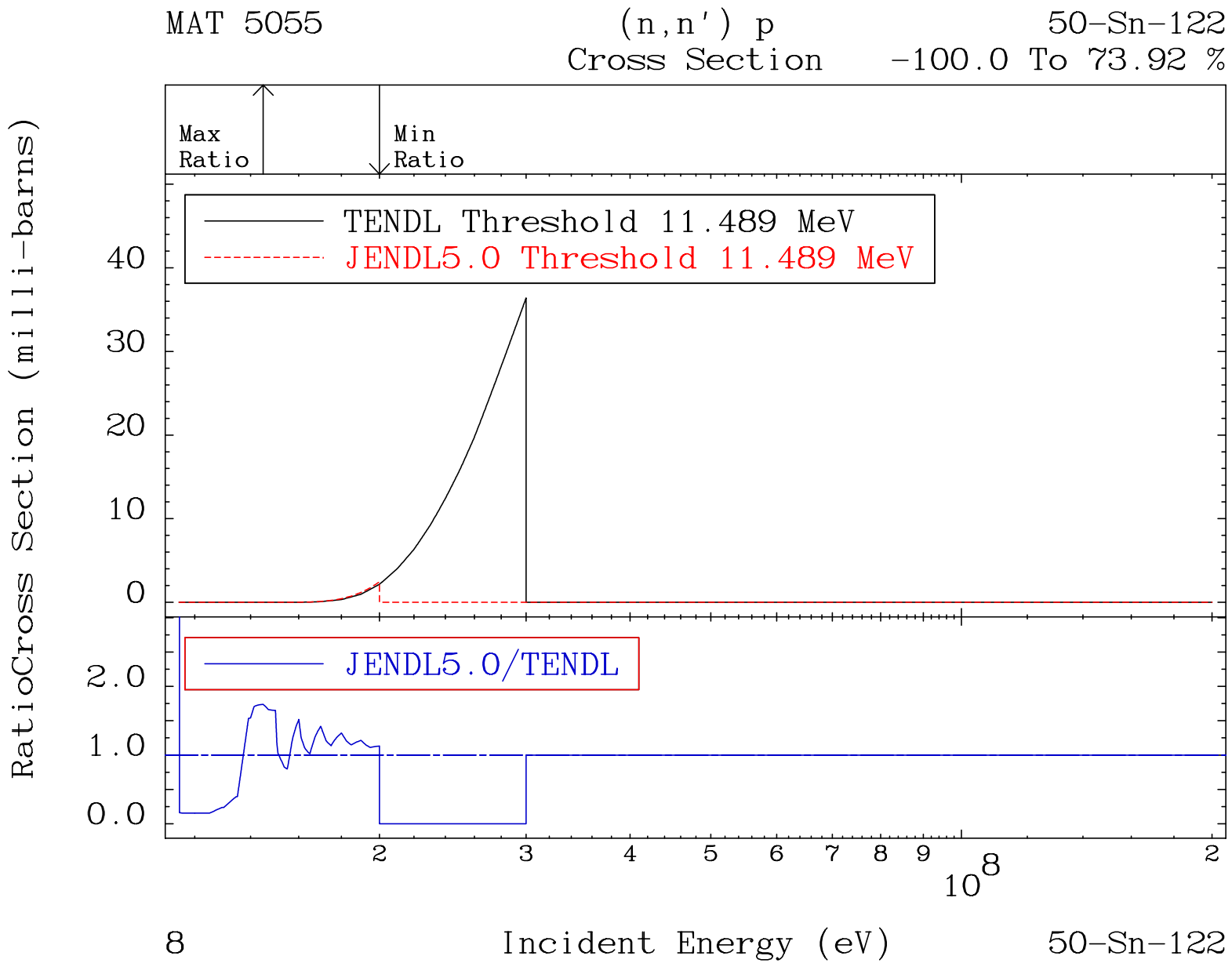

MAT 5055
Inelastic
Cross Section
50-Sn-122
-100.0 To 8075. %
Max
Ratio
Min
Ratio
TENDL Threshold 1.1499 MeV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
120
80
40
0
10^5
10^6
10^7
10^8
Incident Energy (eV)
3
50-Sn-122

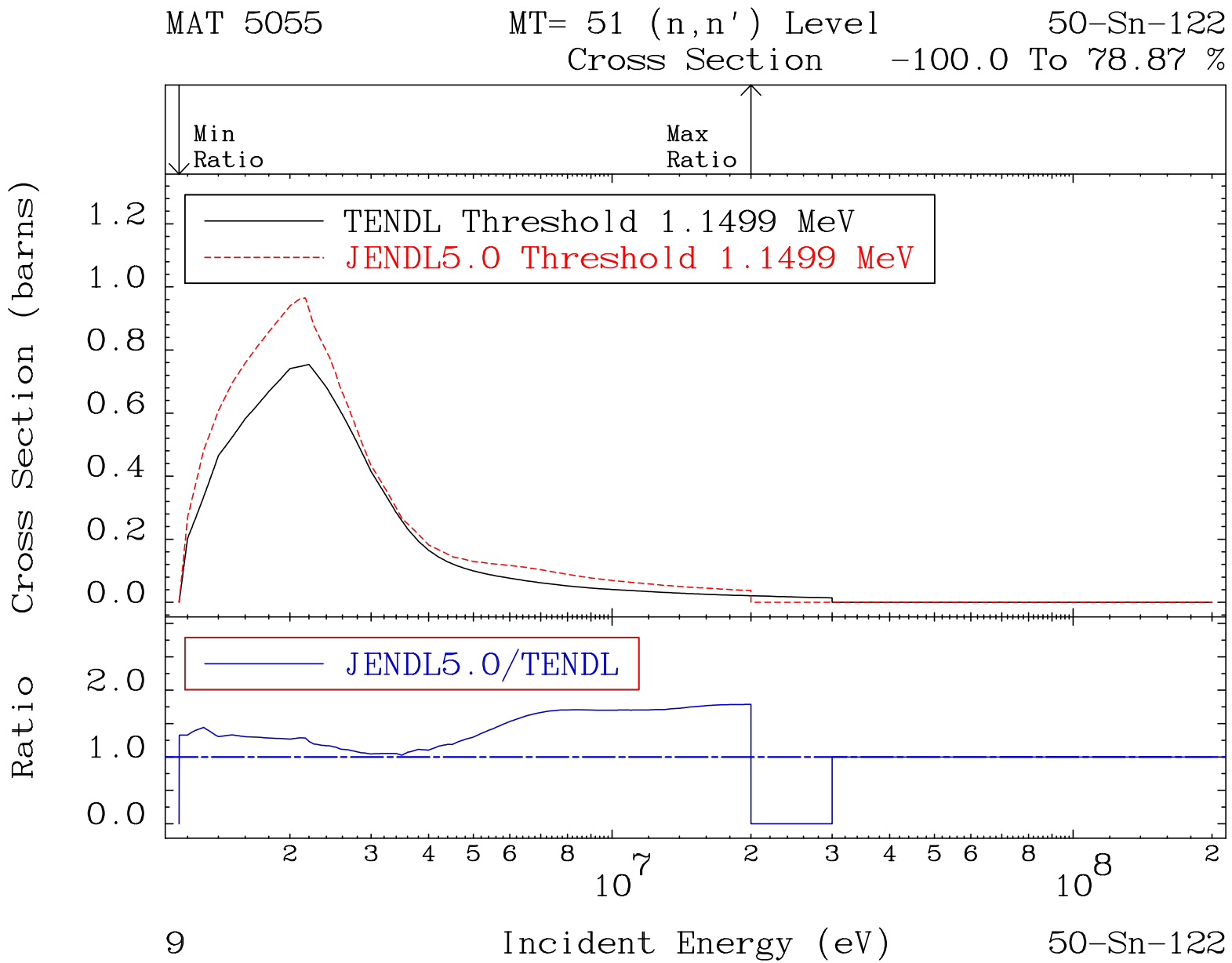

MAT 5055
(n,remainder)
Cross Section
50-Sn-122
-4.033 To -1.248%
Min
Ratio
Max
Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
1.00
0.98
0.96
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
50-Sn-122

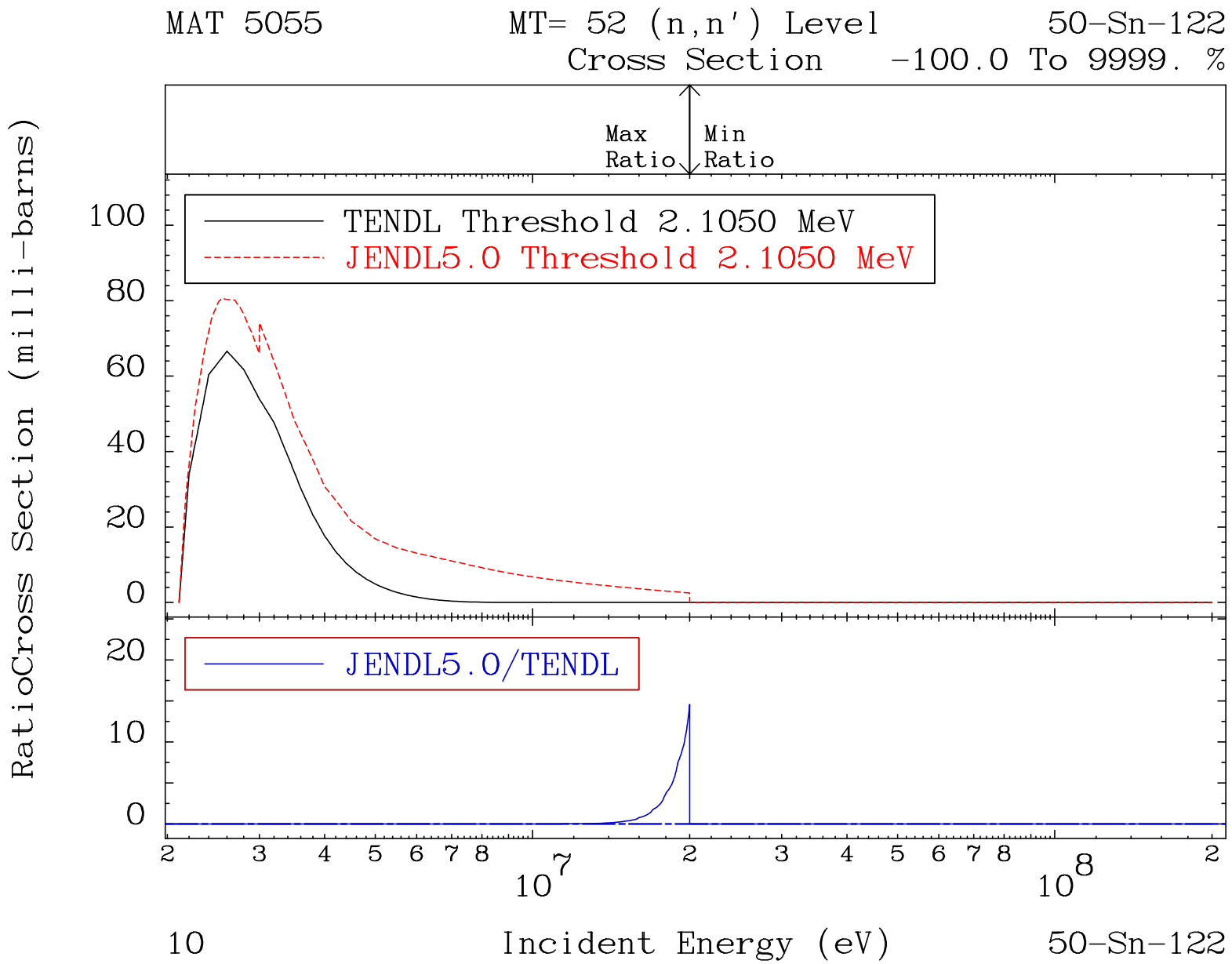

MAT 5055
(n,2n)
Cross Section
50-Sn-122
-100.0 To 73.56 %
Max Ratio
Min Ratio
TENDL Threshold 8.8876 MeV
JENDL5.0 Threshold 8.8861 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
50-Sn-122

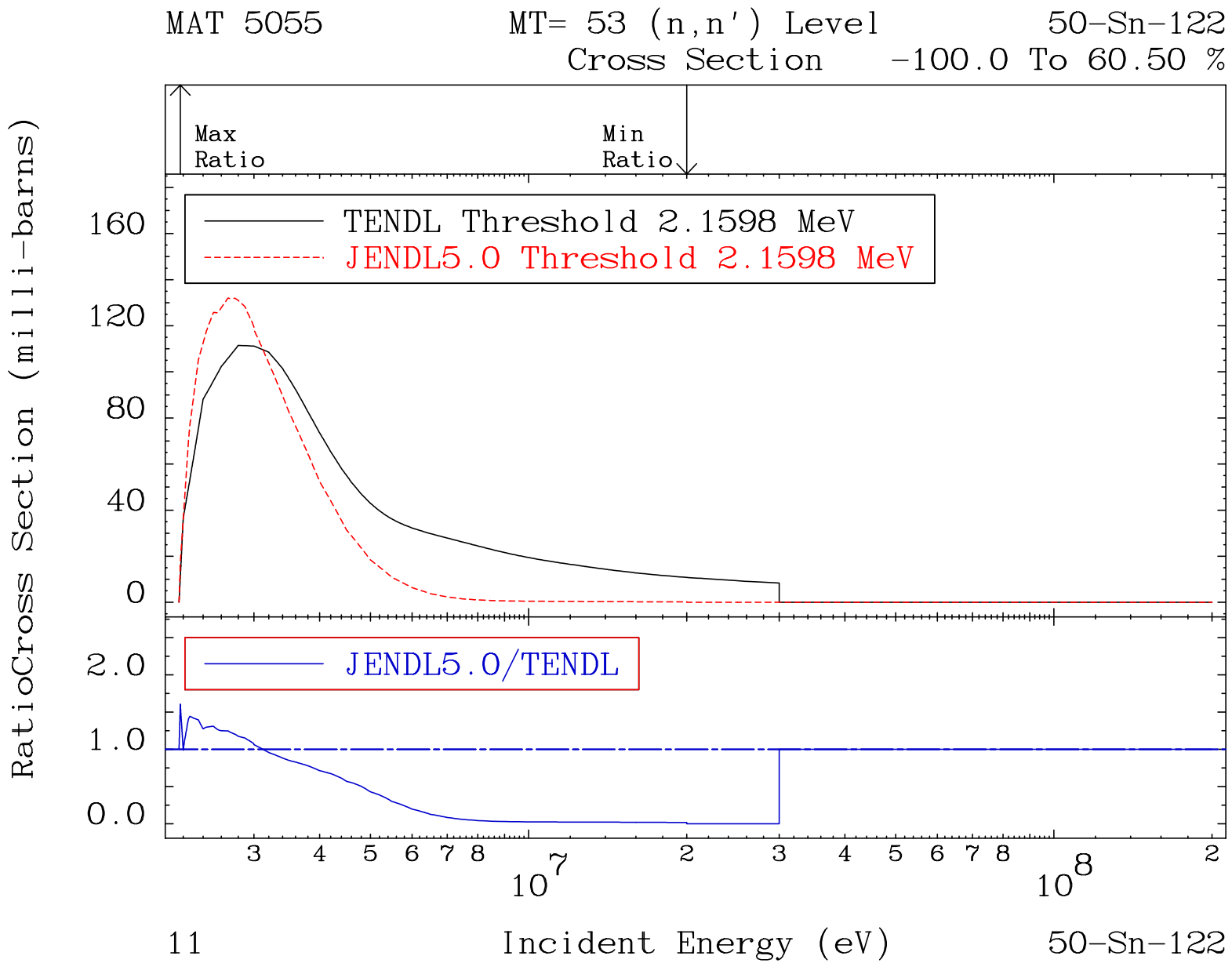

MAT 5055
(n,3n)
Cross Section
50-Sn-122
-100.0 To 208.3 %
Max Ratio
Min Ratio
TENDL Threshold 15.109 MeV
JENDL5.0 Threshold 15.109 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
50-Sn-122

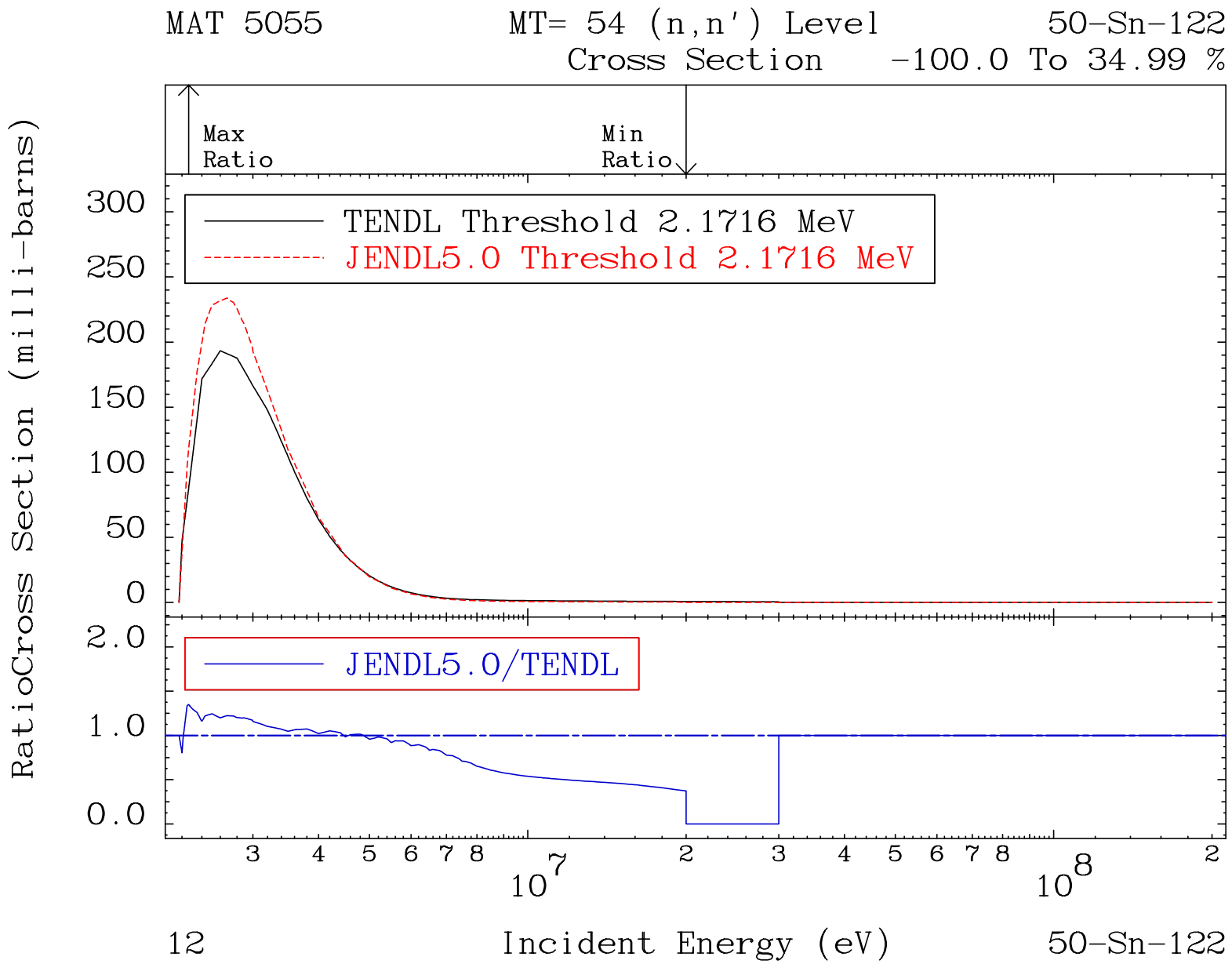

MAT 5055
(n,n') α
Cross Section
50-Sn-122
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.7101 MeV
JENDL5.0 Threshold 5.7092 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
50-Sn-122

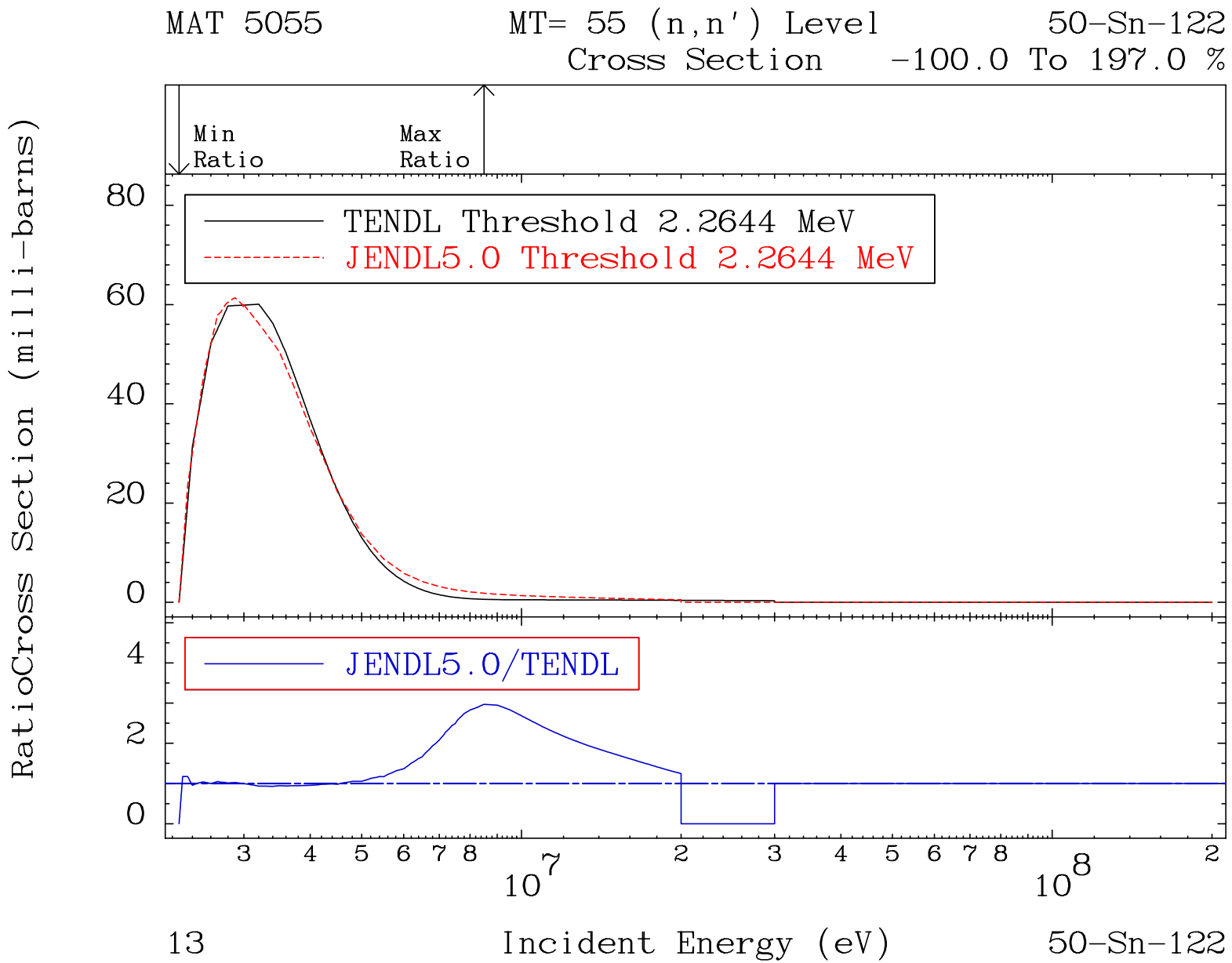

MAT 5055
(n,n') p
Cross Section
50-Sn-122
-100.0 To 73.92 %
Max Ratio
Min Ratio
TENDL Threshold 11.489 MeV
JENDL5.0 Threshold 11.489 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
50-Sn-122

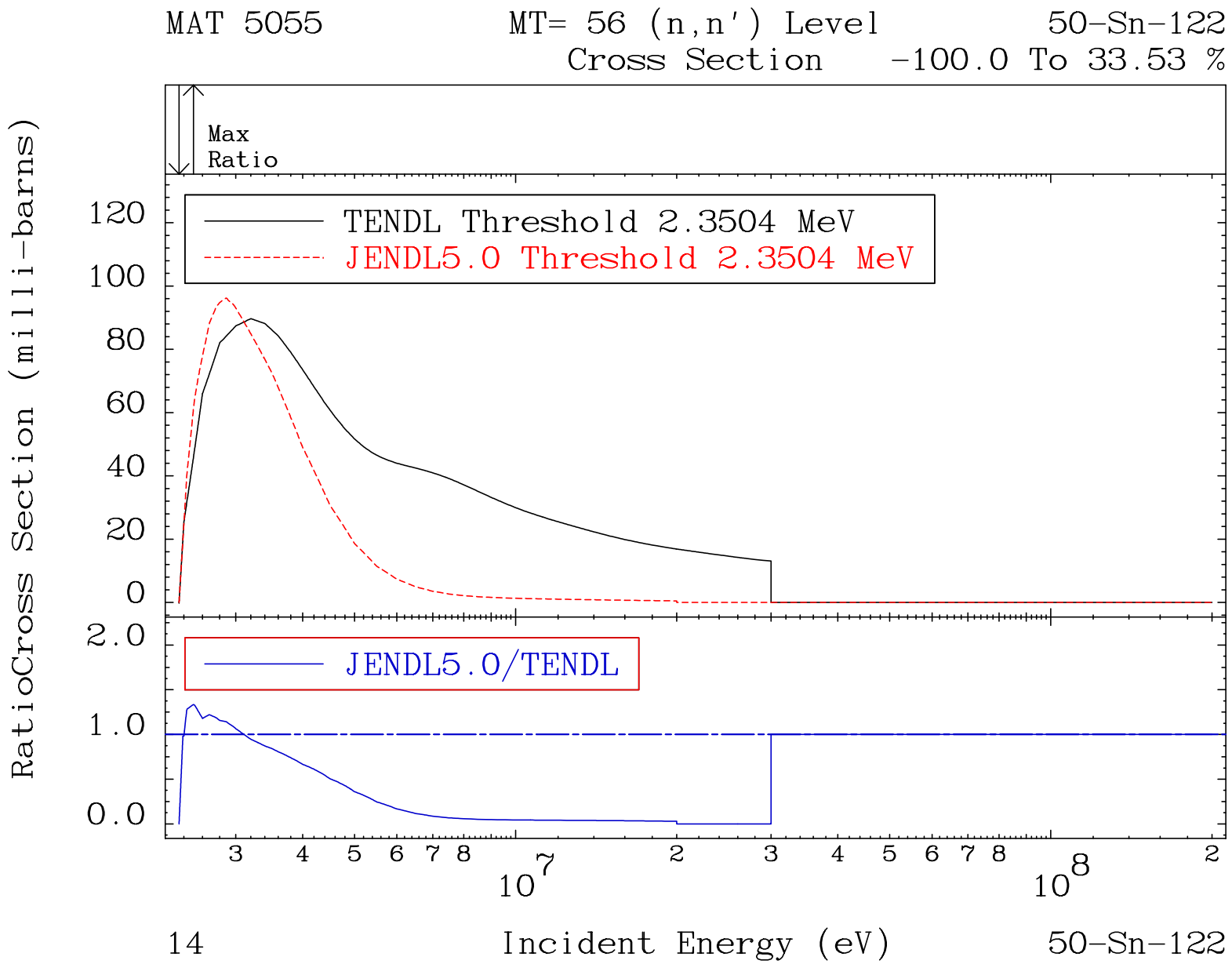

MAT 5055
MT= 51 (n,n') Level
50-Sn-122
Cross Section -100.0 To 78.87 %
Min Ratio
Max Ratio
TENDL Threshold 1.1499 MeV
JENDL5.0 Threshold 1.1499 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
9
50-Sn-122

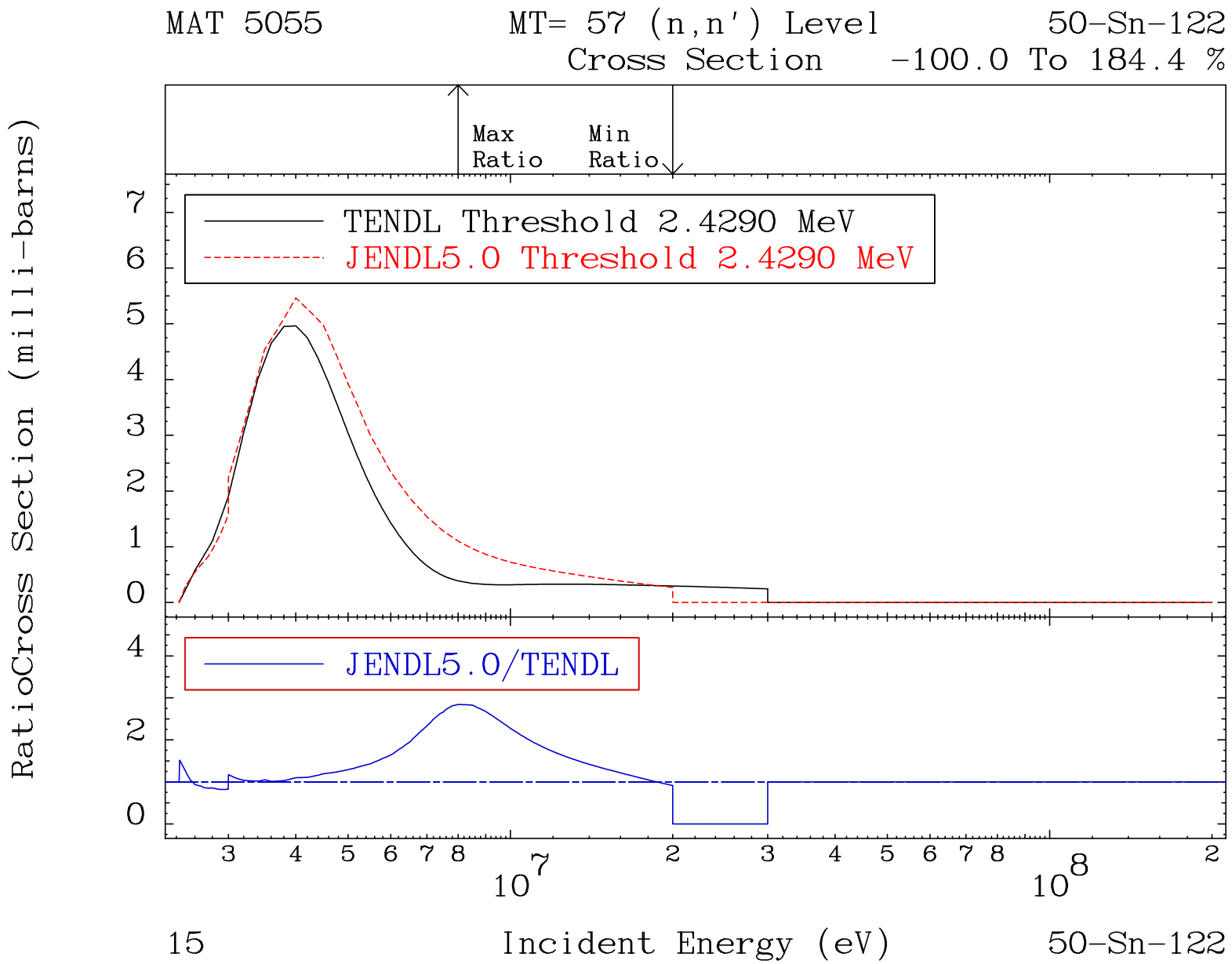

MAT 5055
MT= 52 (n,n') Level
50-Sn-122
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.1050 MeV
JENDL5.0 Threshold 2.1050 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
50-Sn-122

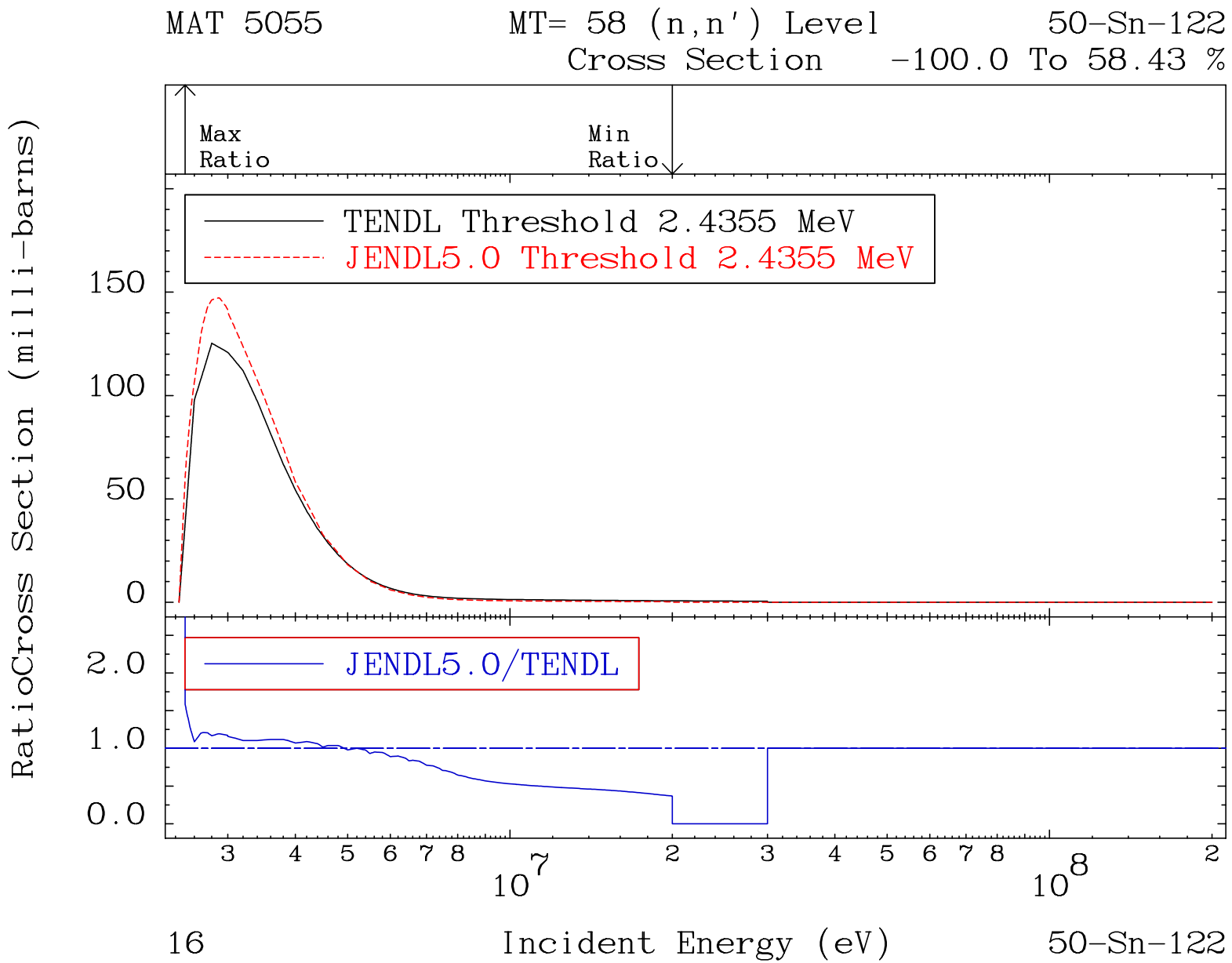

MAT 5055
MT= 53 (n,n') Level
50-Sn-122
Cross Section
-100.0 To 60.50 %
Max Ratio
Min Ratio
TENDL Threshold 2.1598 MeV
JENDL5.0 Threshold 2.1598 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
11
Incident Energy (eV)
50-Sn-122

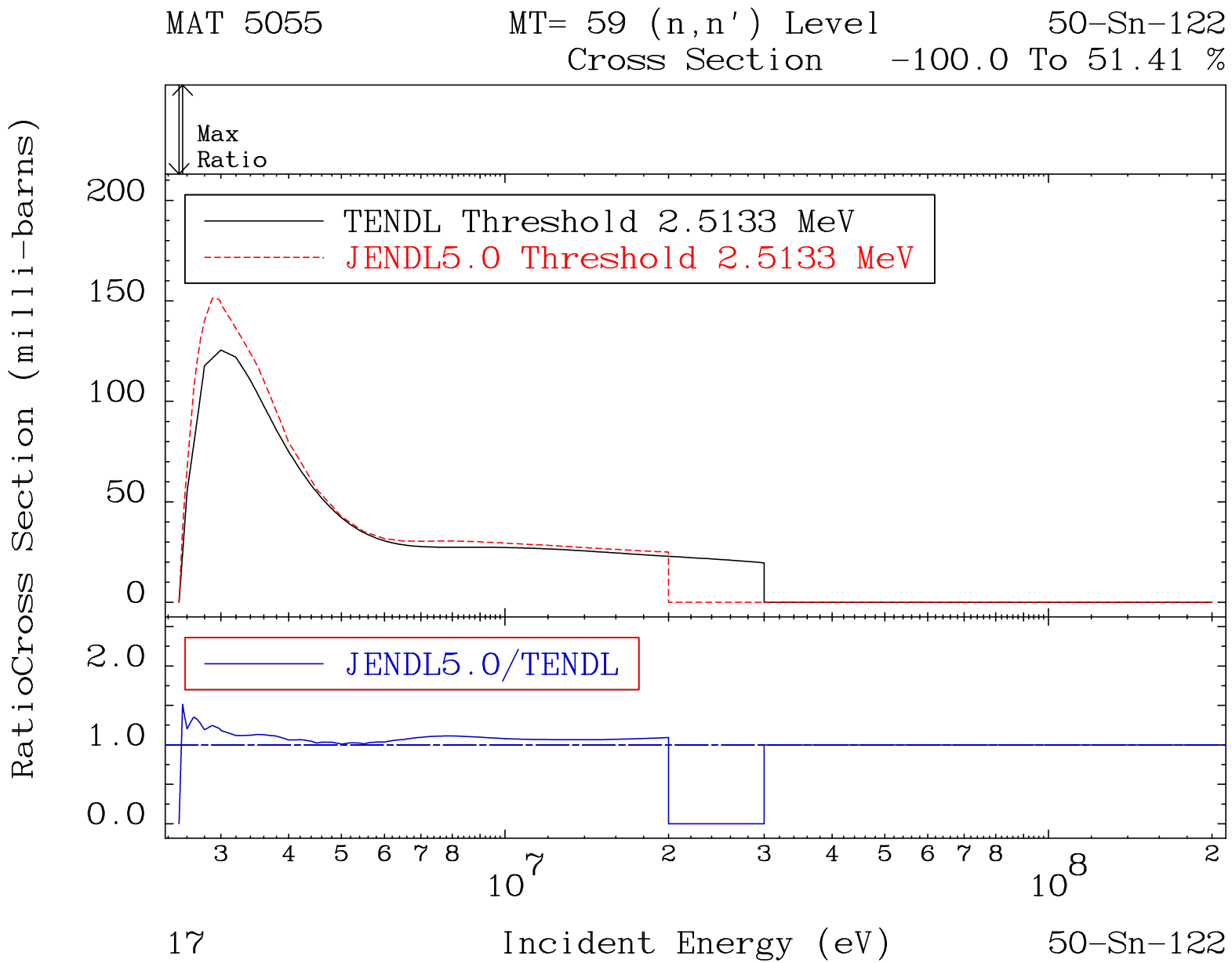

MAT 5055
MT= 54 (n,n') Level
50-Sn-122
Cross Section -100.0 To 34.99 %
Max Ratio
Min Ratio
TENDL Threshold 2.1716 MeV
JENDL5.0 Threshold 2.1716 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
50-Sn-122

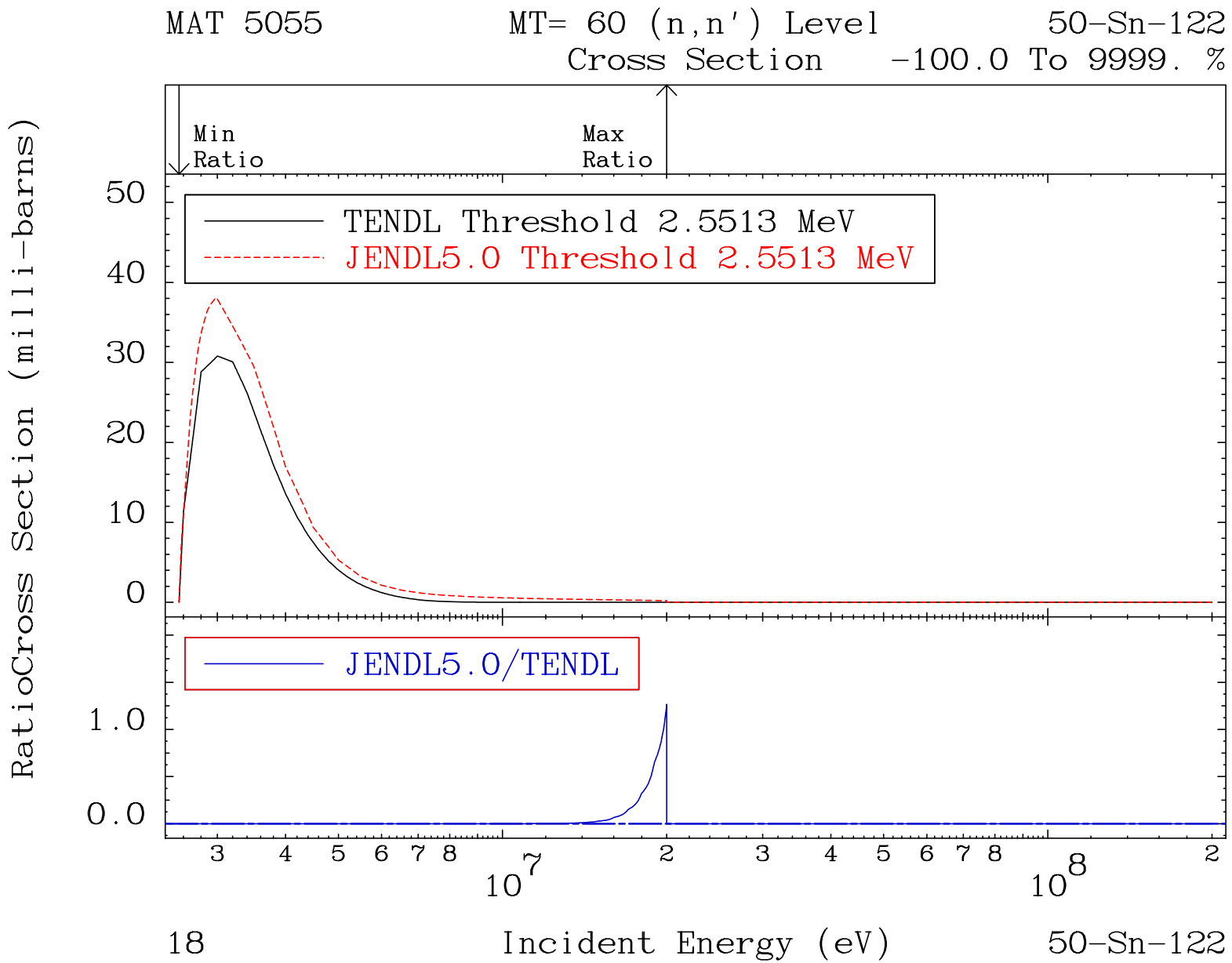

MAT 5055
MT= 55 (n,n') Level
50-Sn-122
Cross Section
-100.0 To 197.0 %
Min Ratio
Max Ratio
TENDL Threshold 2.2644 MeV
JENDL5.0 Threshold 2.2644 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
13
50-Sn-122

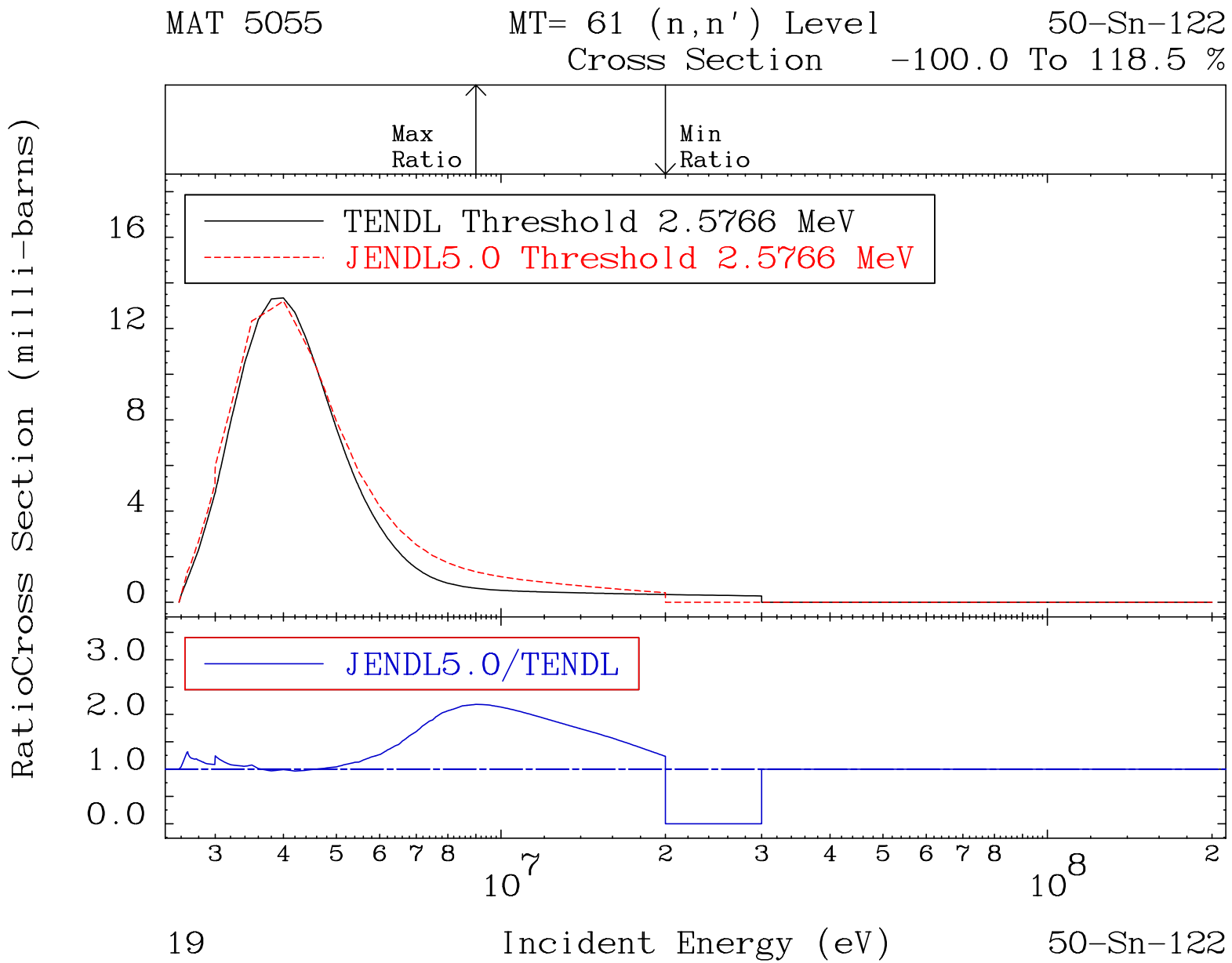

MAT 5055
MT= 56 (n,n') Level
50-Sn-122
Cross Section
-100.0 To 33.53 %
Max
Ratio
TENDL Threshold 2.3504 MeV
JENDL5.0 Threshold 2.3504 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
50-Sn-122

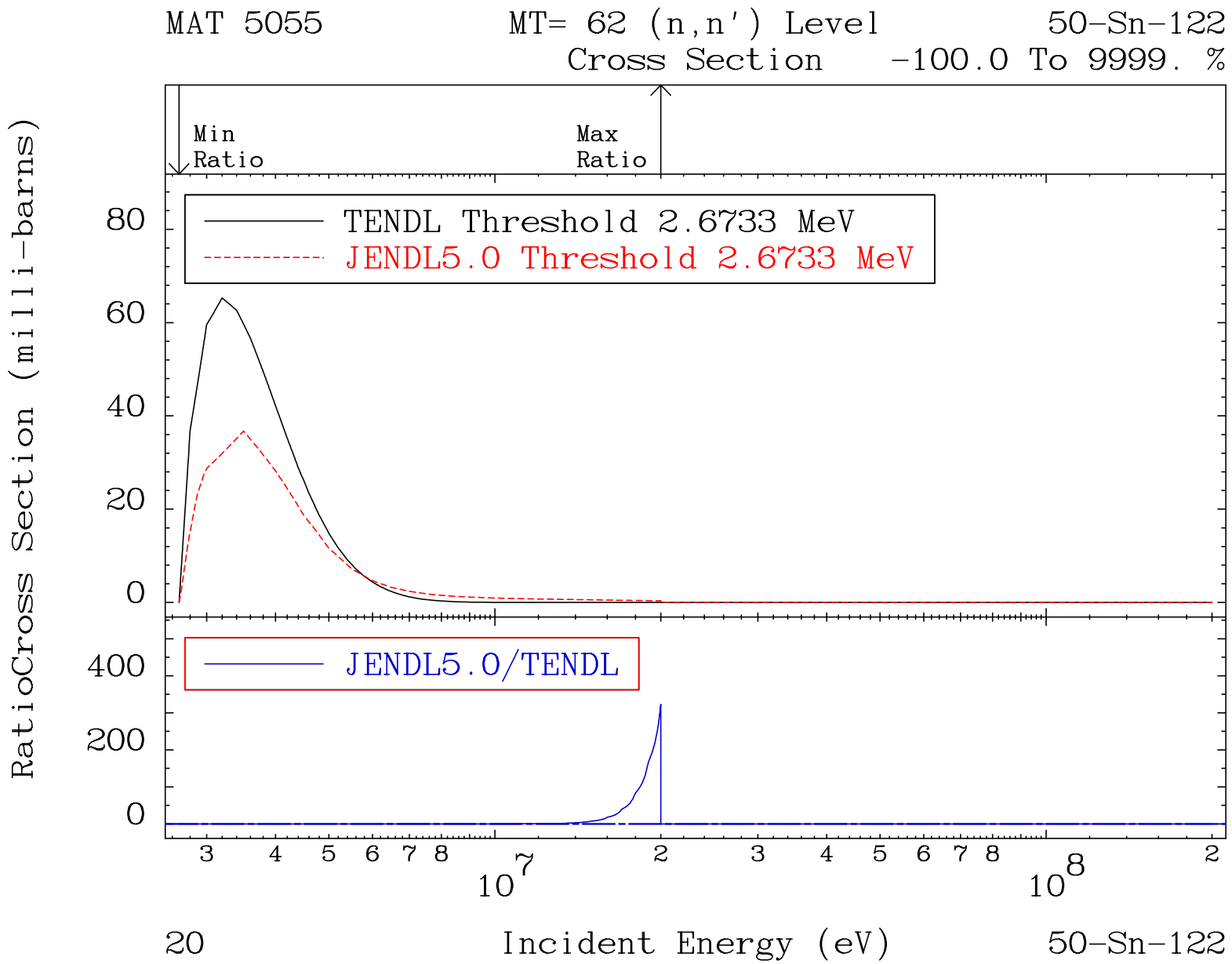

MAT 5055
MT= 57 (n,n') Level
50-Sn-122
Cross Section
-100.0 To 184.4 %
Max Ratio
Min Ratio
TENDL Threshold 2.4290 MeV
JENDL5.0 Threshold 2.4290 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
15
50-Sn-122

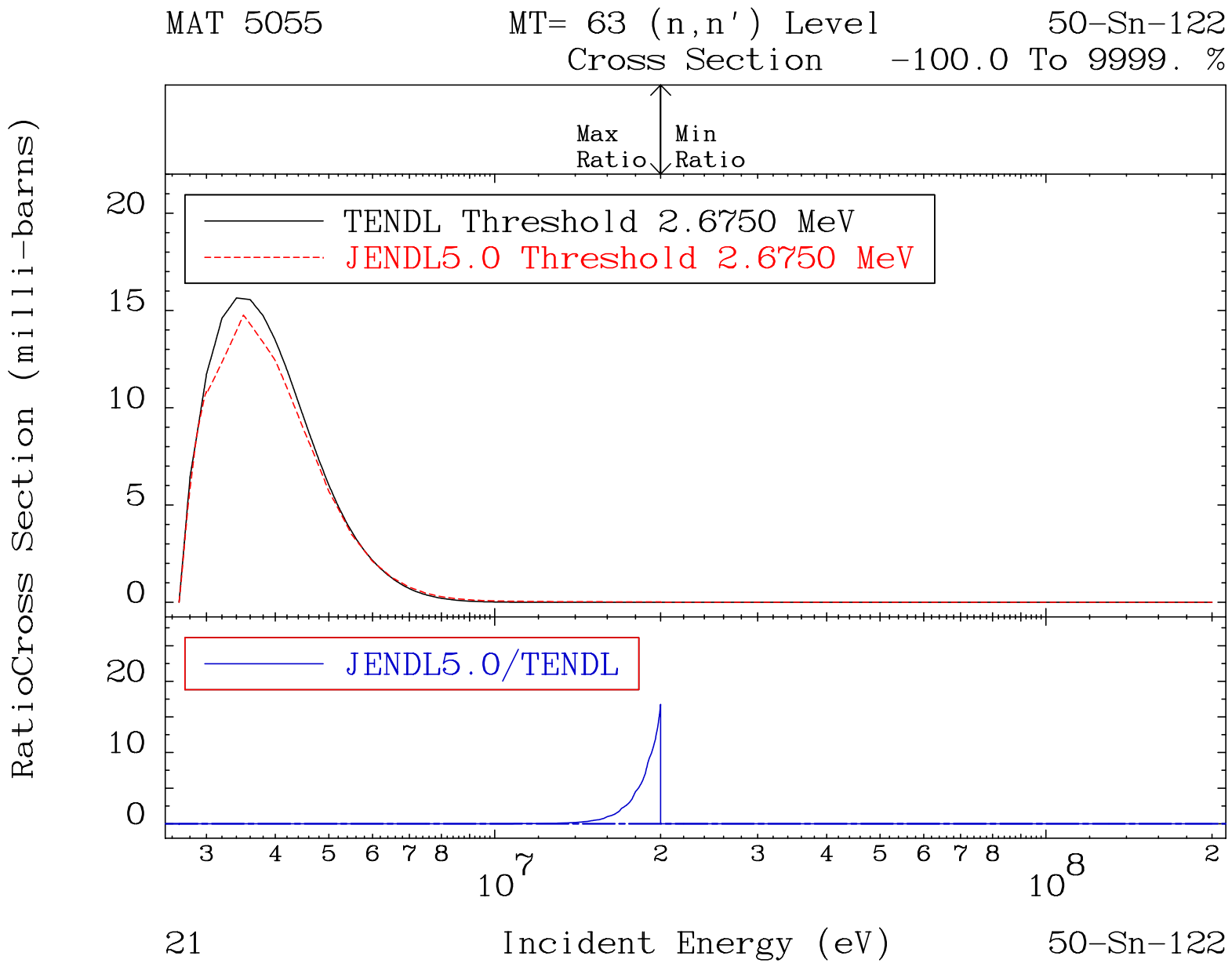

MAT 5055
MT= 58 (n,n') Level
50-Sn-122
Cross Section
-100.0 To 58.43 %
Max Ratio
Min Ratio
TENDL Threshold 2.4355 MeV
JENDL5.0 Threshold 2.4355 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
150
100
50
0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
16
Incident Energy (eV)
50-Sn-122

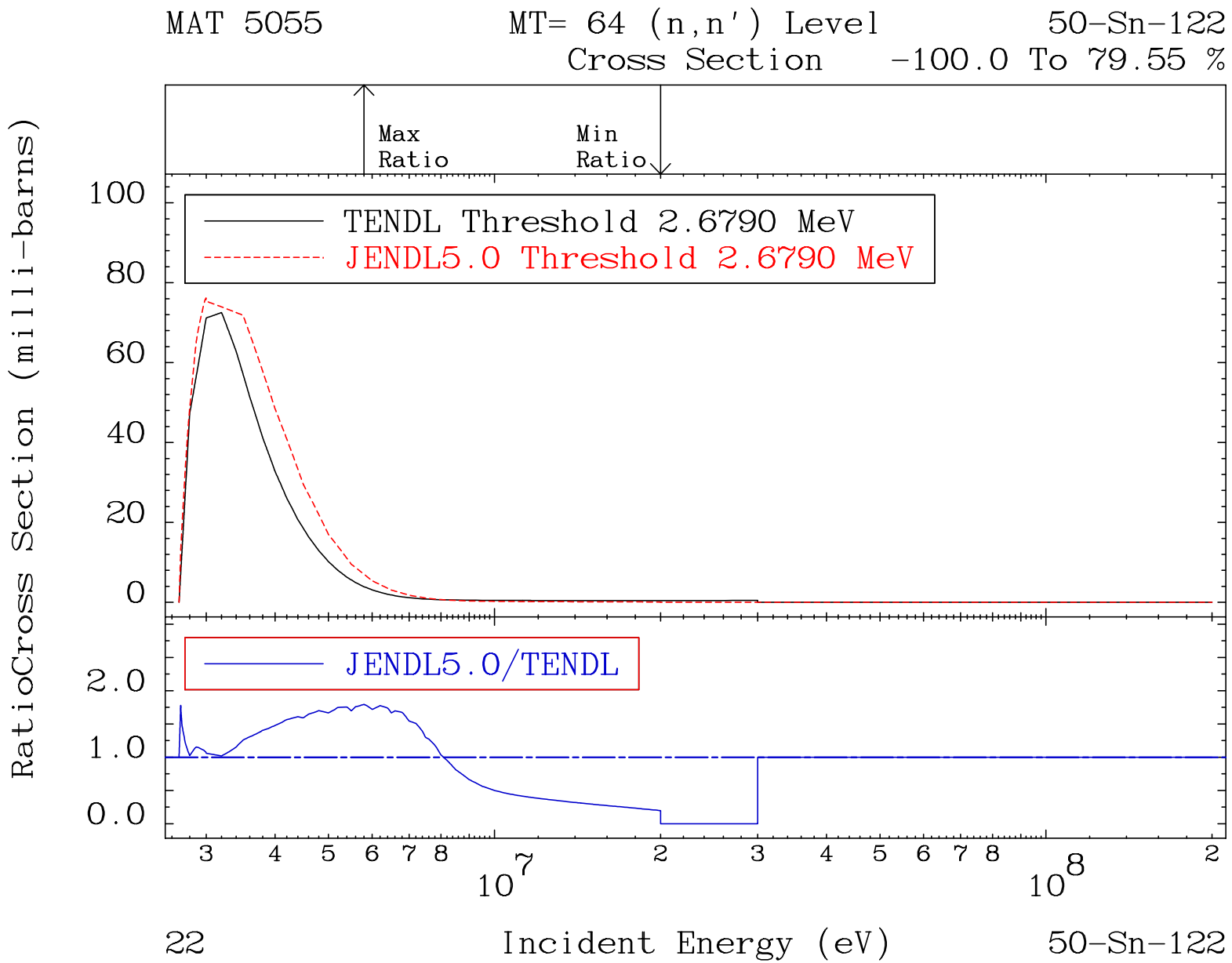

MAT 5055
MT= 59 (n,n') Level
50-Sn-122
Cross Section
-100.0 To 51.41 %
Max
Ratio
200
150
100
50
0
TENDL Threshold 2.5133 MeV
JENDL5.0 Threshold 2.5133 MeV
2.0
1.0
0.0
JENDL5.0/TENDL
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
RatioCross Section (milli-barns)
17
Incident Energy (eV)
50-Sn-122

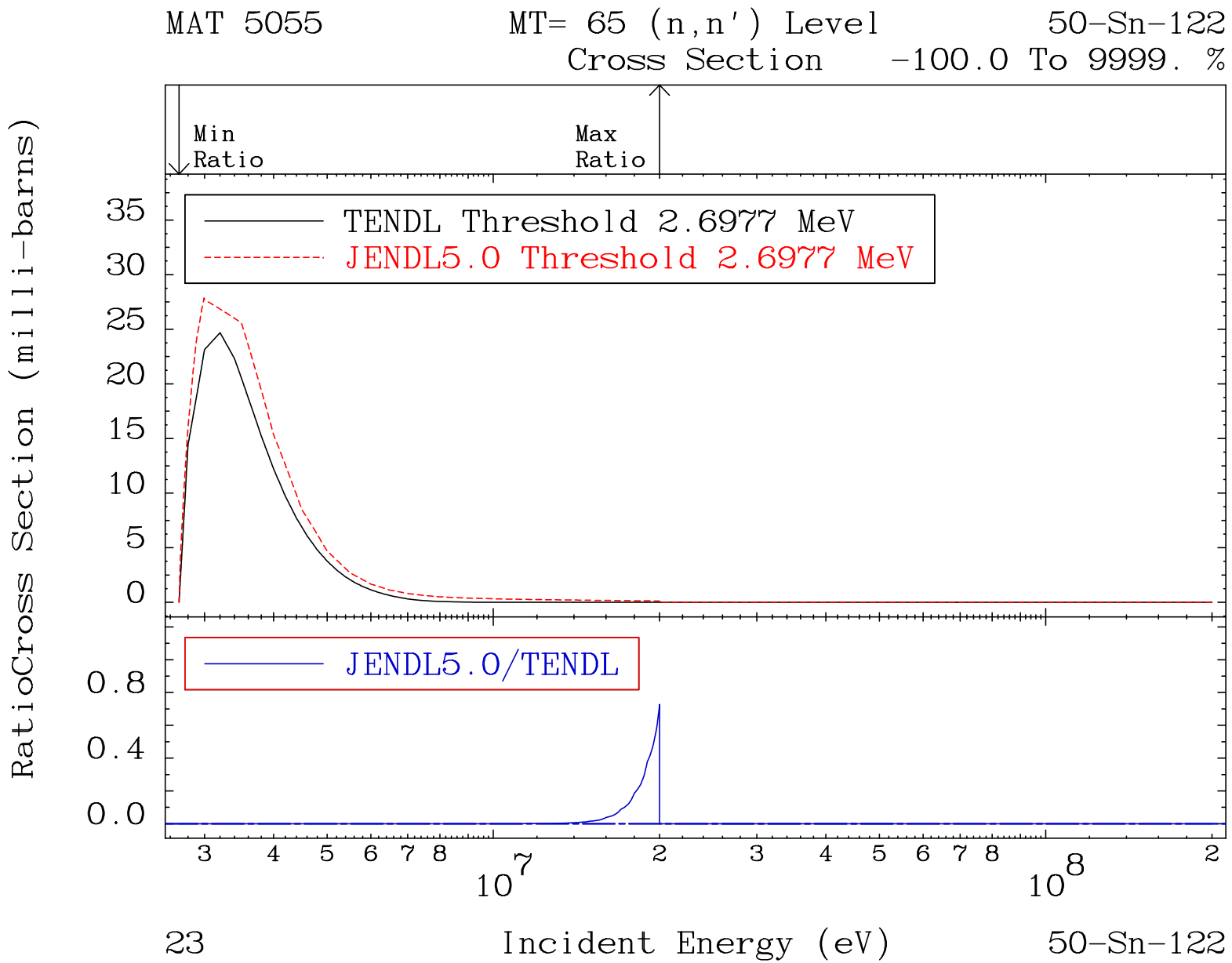

MAT 5055
MT= 60 (n,n') Level
50-Sn-122
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.5513 MeV
JENDL5.0 Threshold 2.5513 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
50-Sn-122

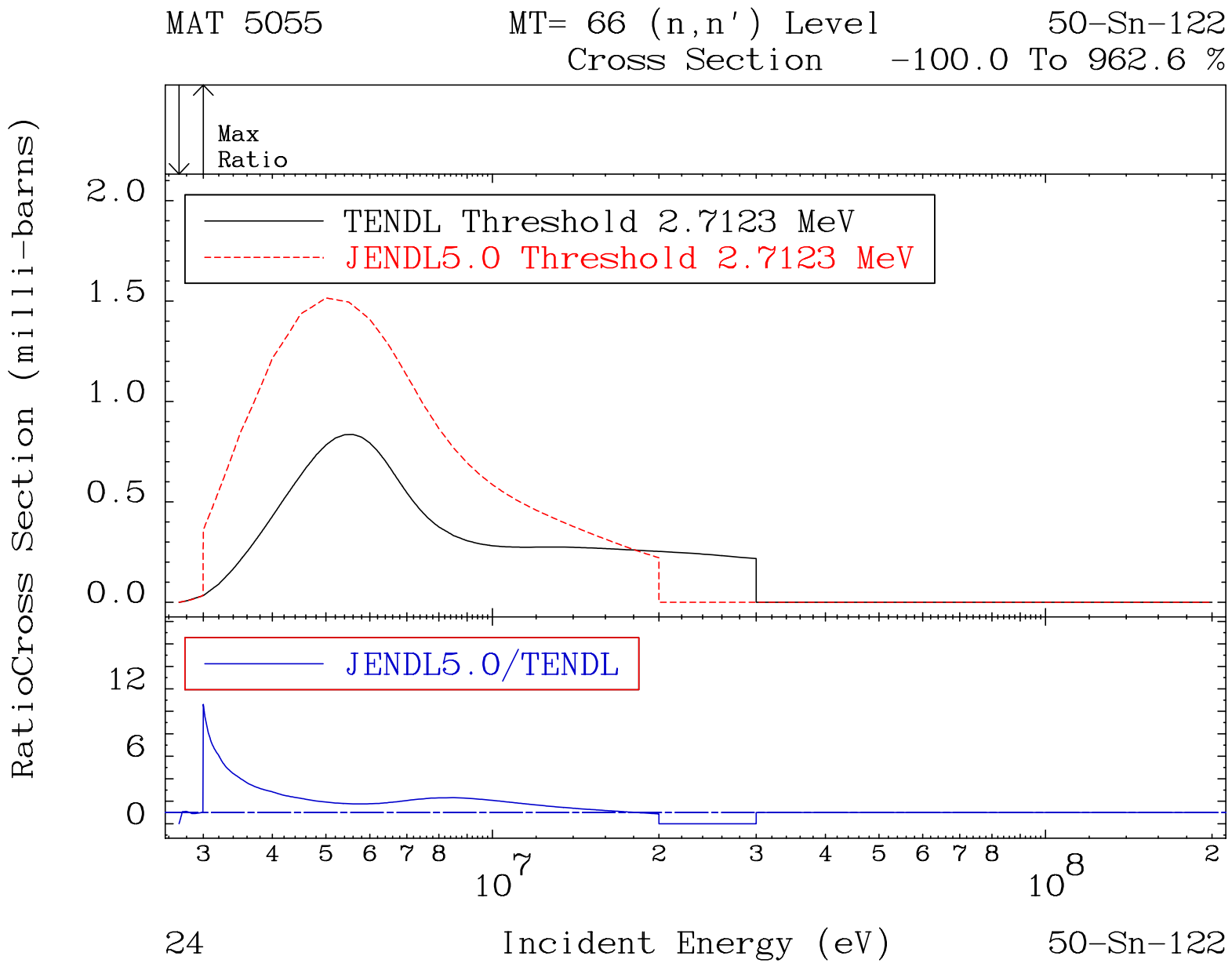

MAT 5055
MT= 61 (n,n') Level
50-Sn-122
Cross Section -100.0 To 118.5 %
Max Ratio
Min Ratio
TENDL Threshold 2.5766 MeV
JENDL5.0 Threshold 2.5766 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
19
Incident Energy (eV)
50-Sn-122

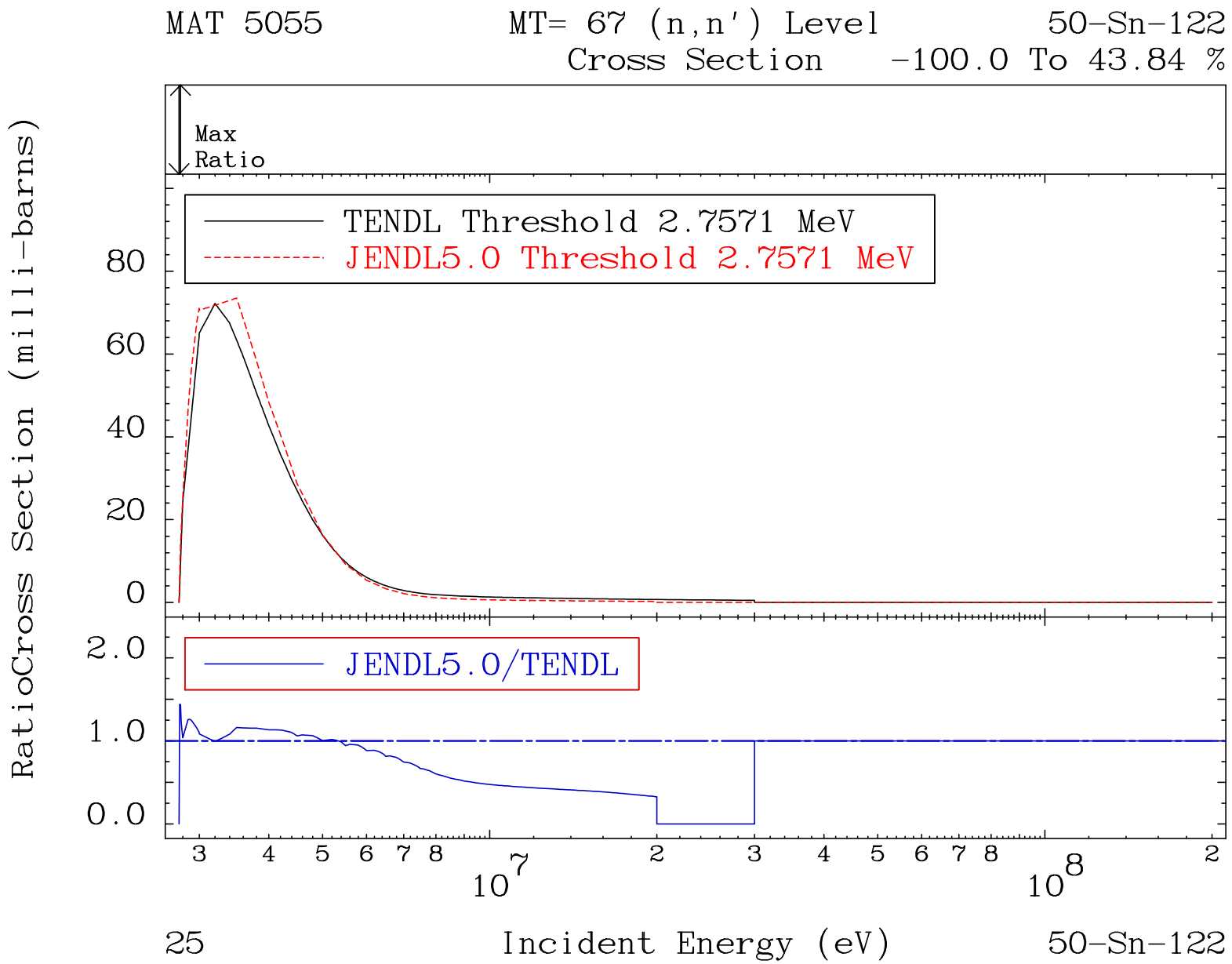

MAT 5055
MT= 62 (n,n') Level
50-Sn-122
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.6733 MeV
JENDL5.0 Threshold 2.6733 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
400
200
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
50-Sn-122

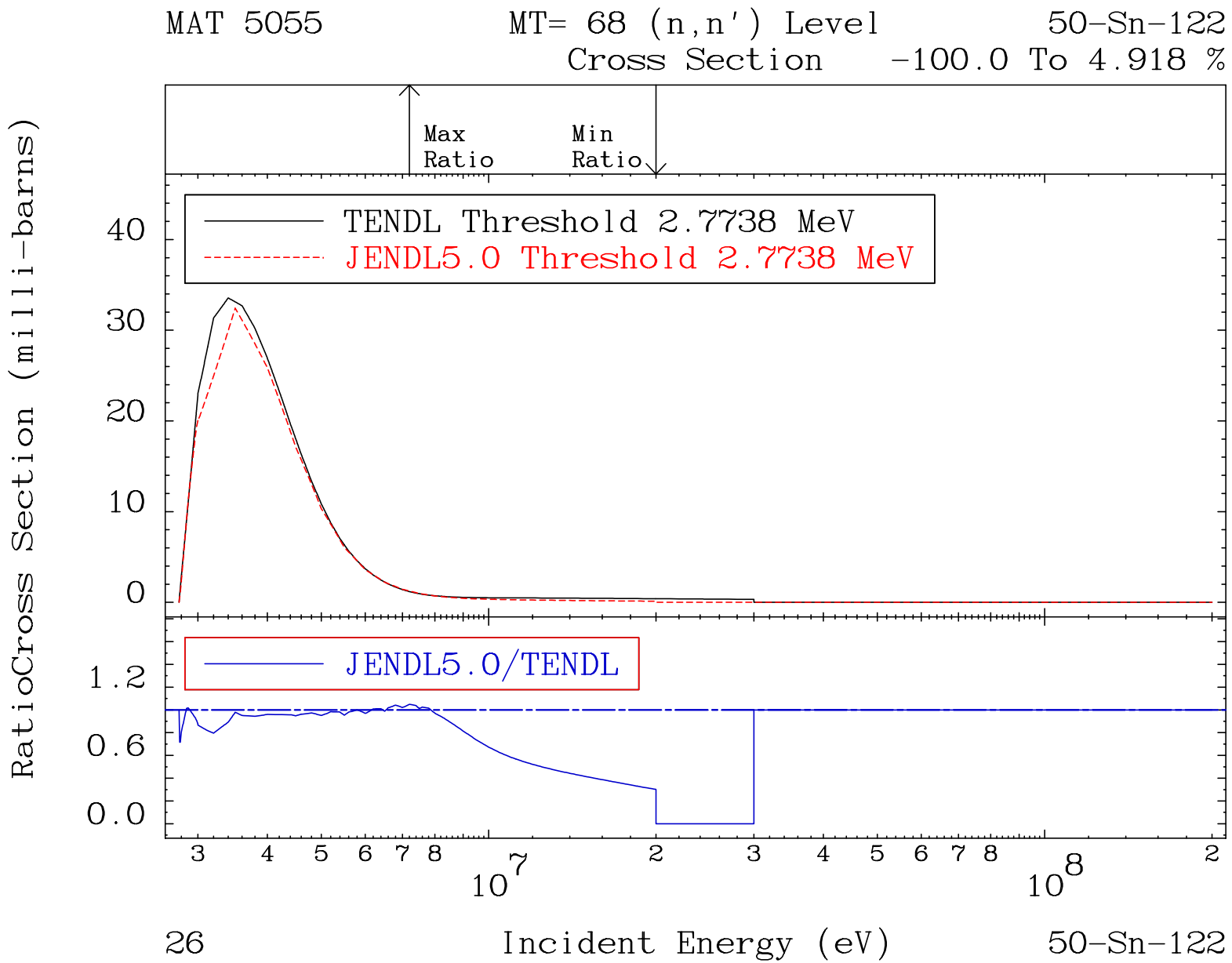

MAT 5055
MT= 63 (n,n') Level
50-Sn-122
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.6750 MeV
JENDL5.0 Threshold 2.6750 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
21
50-Sn-122

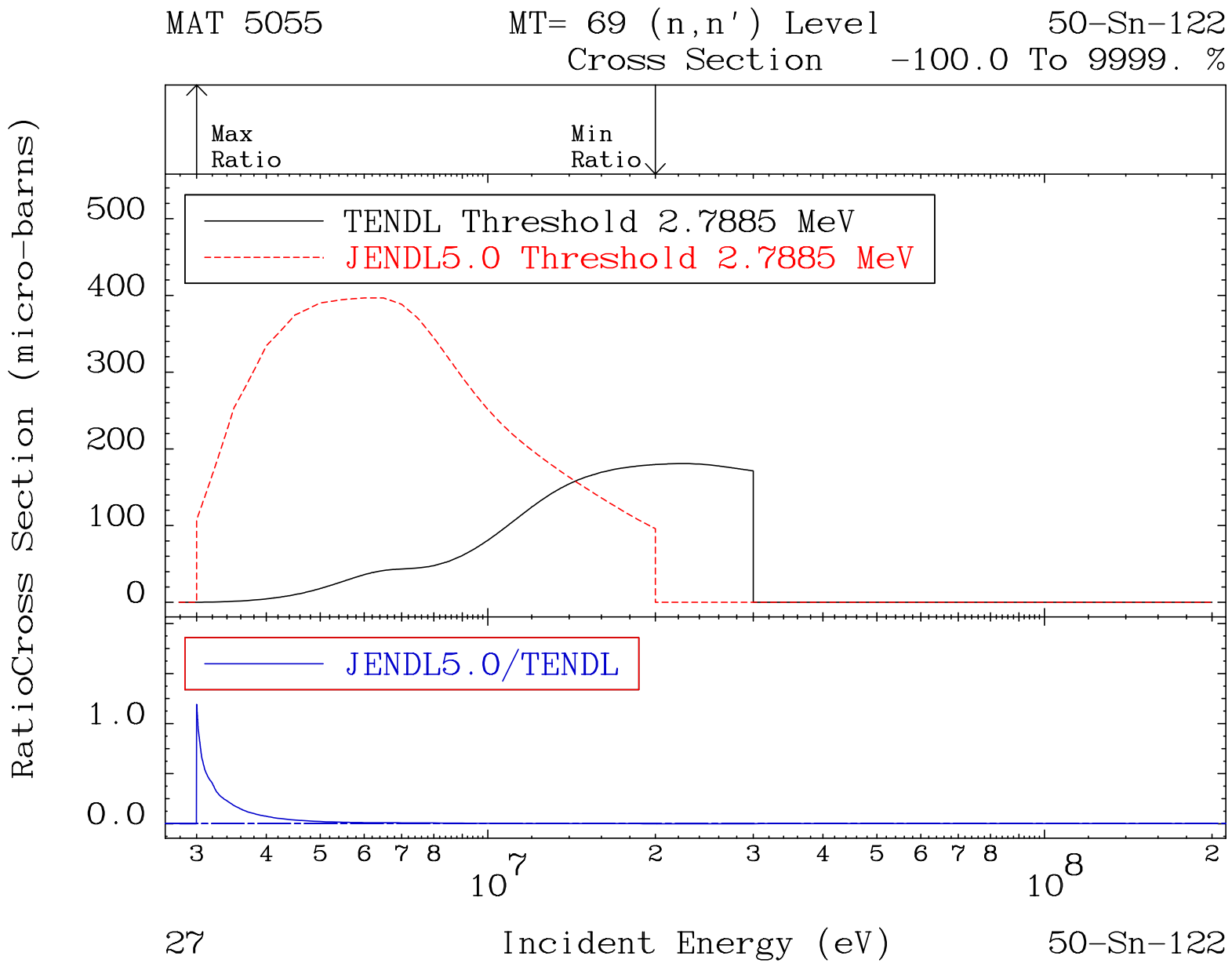

MAT 5055
MT= 64 (n,n') Level
50-Sn-122
Cross Section
-100.0 To 79.55 %
Max Ratio
Min Ratio
TENDL Threshold 2.6790 MeV
JENDL5.0 Threshold 2.6790 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
50-Sn-122

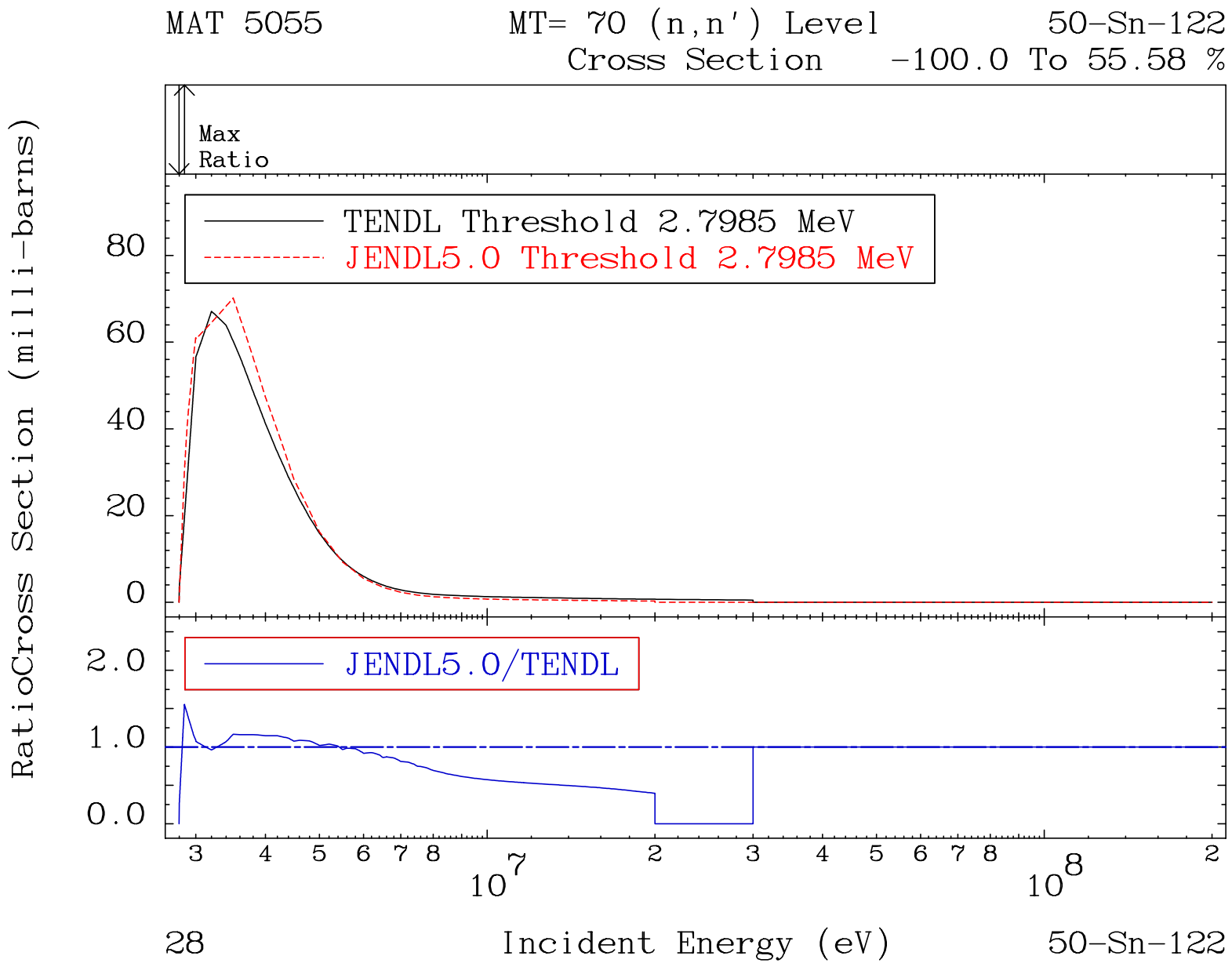

MAT 5055
MT= 65 (n,n') Level
50-Sn-122
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.6977 MeV
JENDL5.0 Threshold 2.6977 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
0.8
0.4
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
50-Sn-122

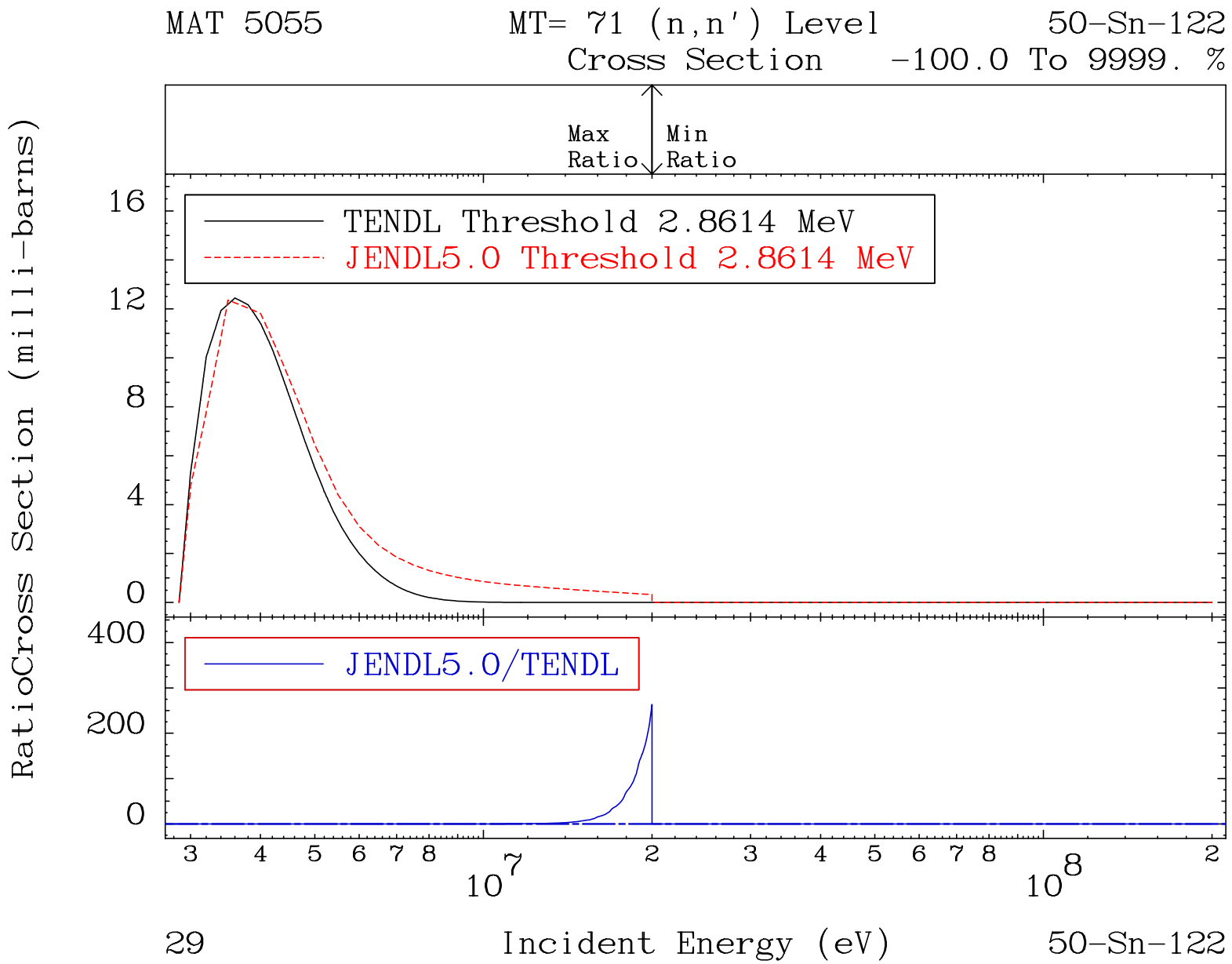

MAT 5055
MT= 66 (n,n') Level
50-Sn-122
Cross Section
-100.0 To 962.6 %
Max
Ratio
TENDL Threshold 2.7123 MeV
JENDL5.0 Threshold 2.7123 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
12
6
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
50-Sn-122

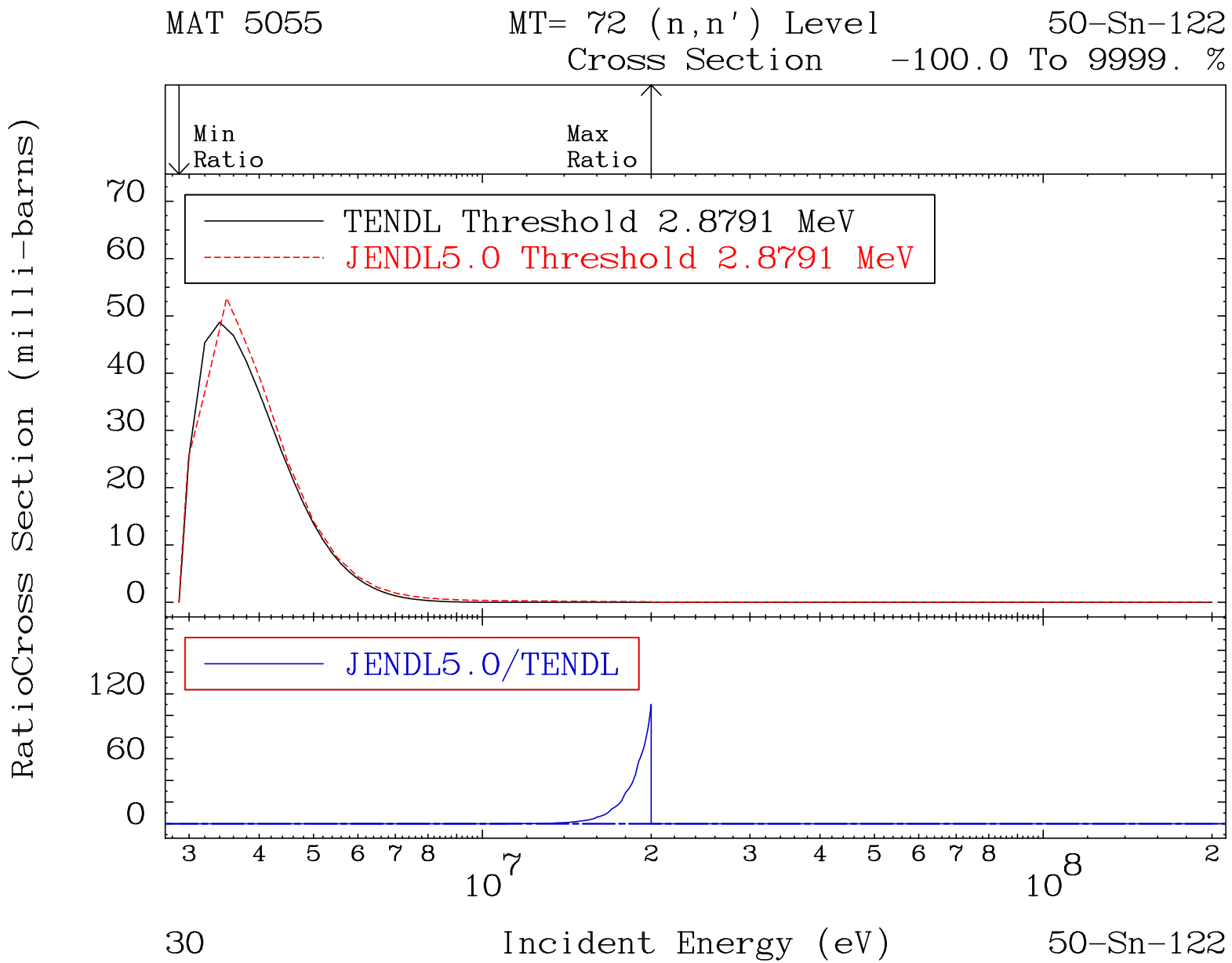

MAT 5055
MT= 67 (n,n') Level
50-Sn-122
Cross Section
-100.0 To 43.84 %
Max
Ratio
TENDL Threshold 2.7571 MeV
JENDL5.0 Threshold 2.7571 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
50-Sn-122

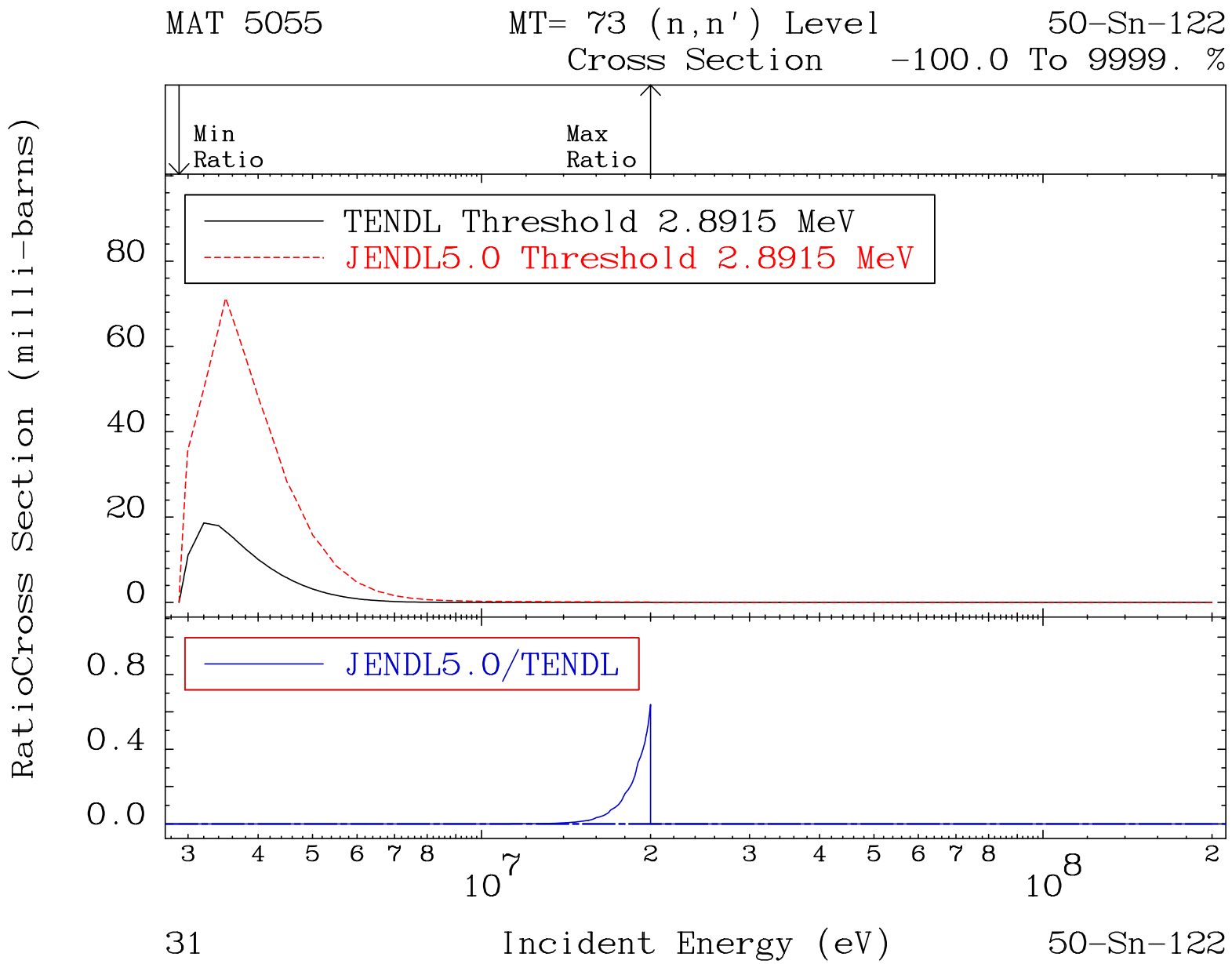

MAT 5055
MT= 68 (n,n') Level
50-Sn-122
Cross Section
-100.0 To 4.918 %
Max Ratio
Min Ratio
TENDL Threshold 2.7738 MeV
JENDL5.0 Threshold 2.7738 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.2
0.6
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
50-Sn-122

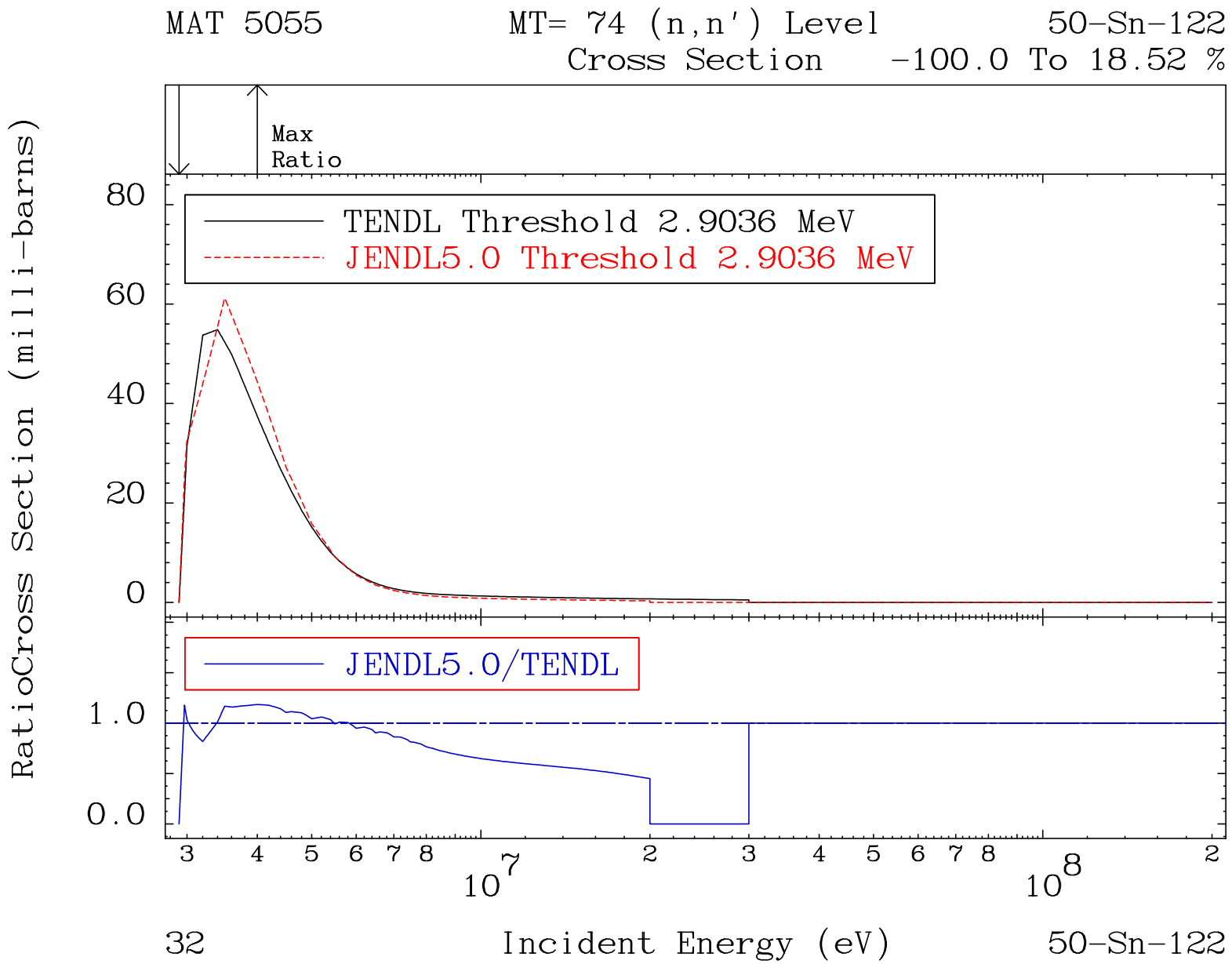

MAT 5055
MT= 69 (n,n') Level
50-Sn-122
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.7885 MeV
JENDL5.0 Threshold 2.7885 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
500
400
300
200
100
0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
27
Incident Energy (eV)
50-Sn-122

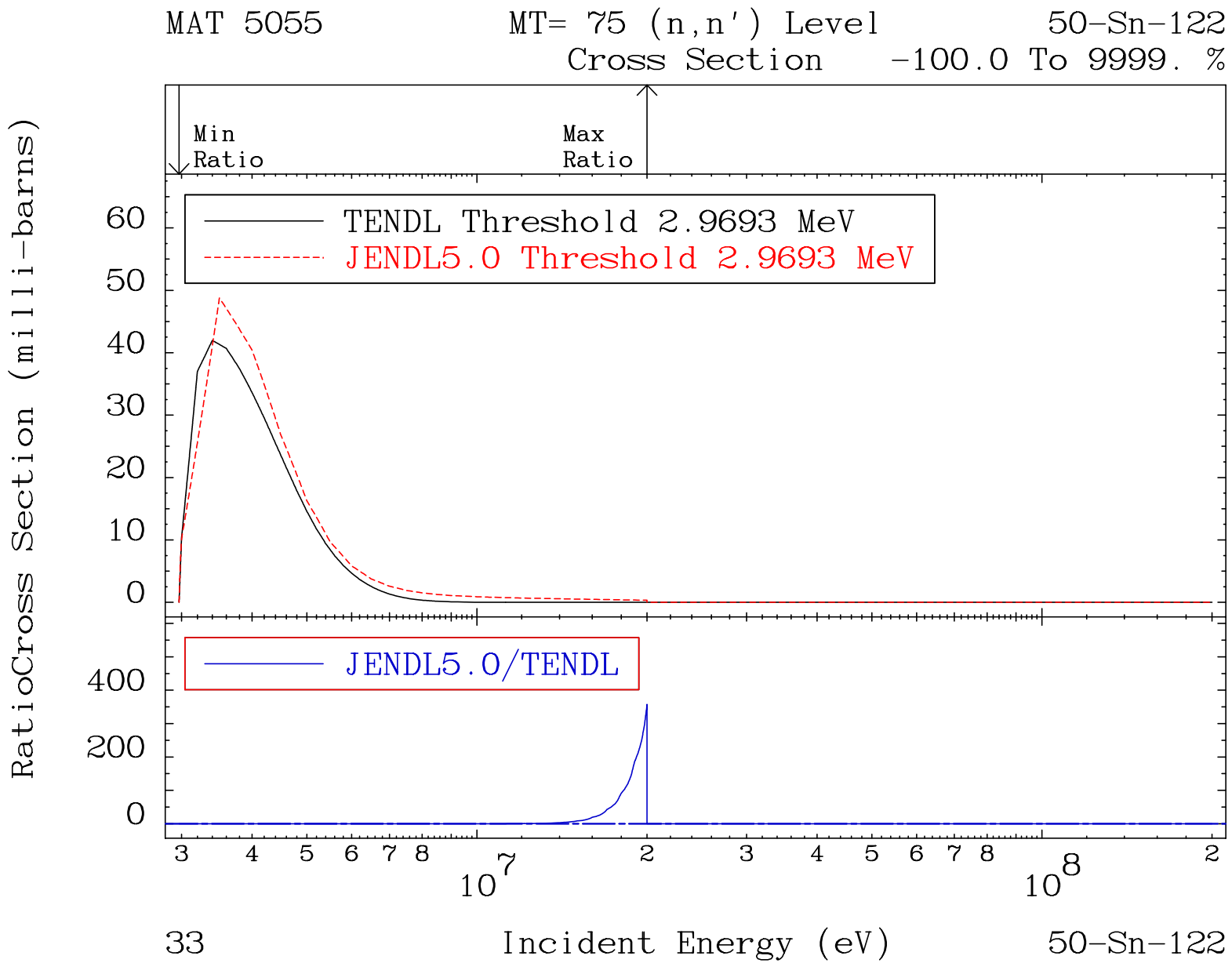

MAT 5055
MT= 70 (n,n') Level
50-Sn-122
Cross Section
-100.0 To 55.58 %
Max
Ratio
TENDL Threshold 2.7985 MeV
JENDL5.0 Threshold 2.7985 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
50-Sn-122

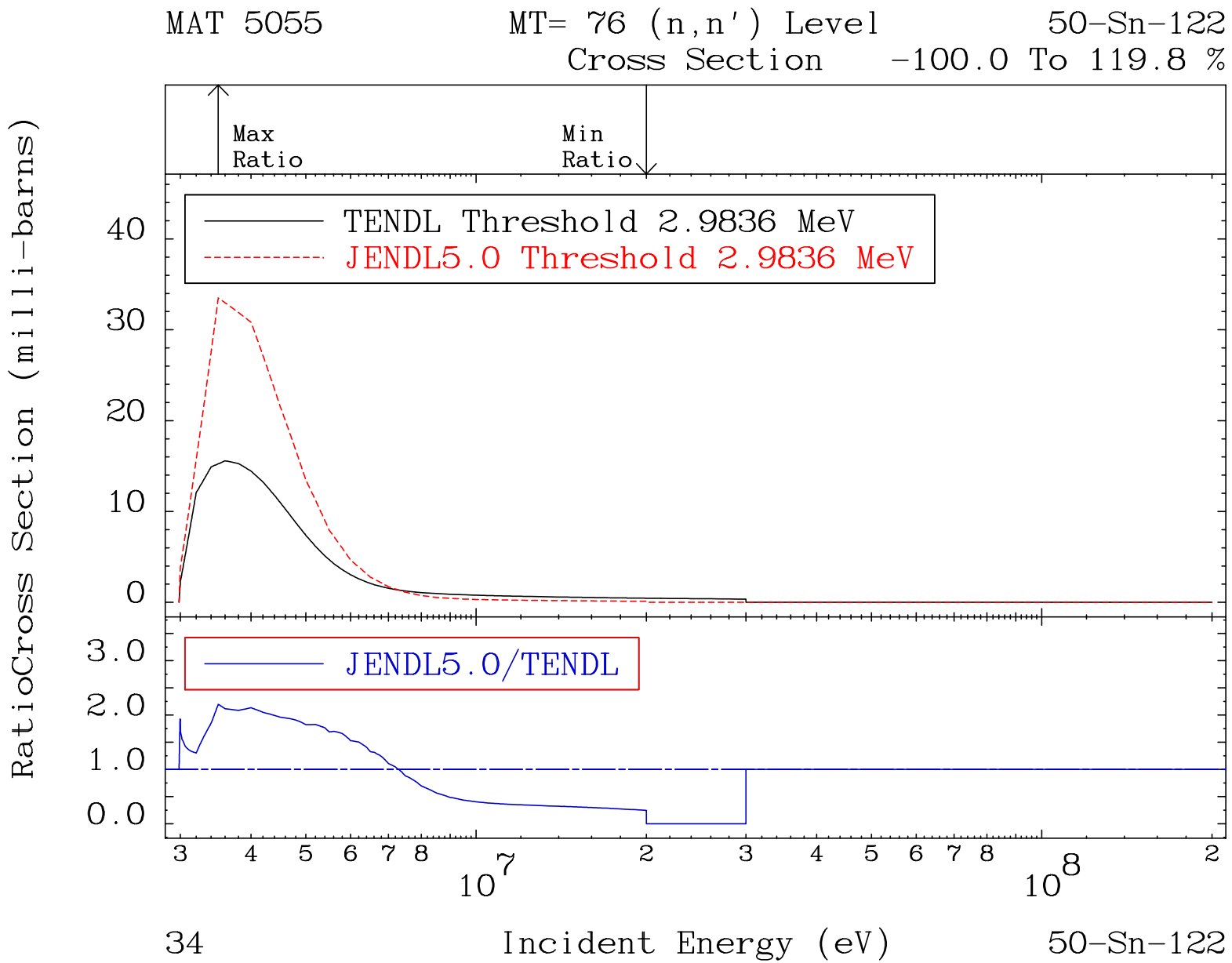

MAT 5055
MT= 71 (n,n') Level
50-Sn-122
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.8614 MeV
JENDL5.0 Threshold 2.8614 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
400
200
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
29
Incident Energy (eV)
50-Sn-122

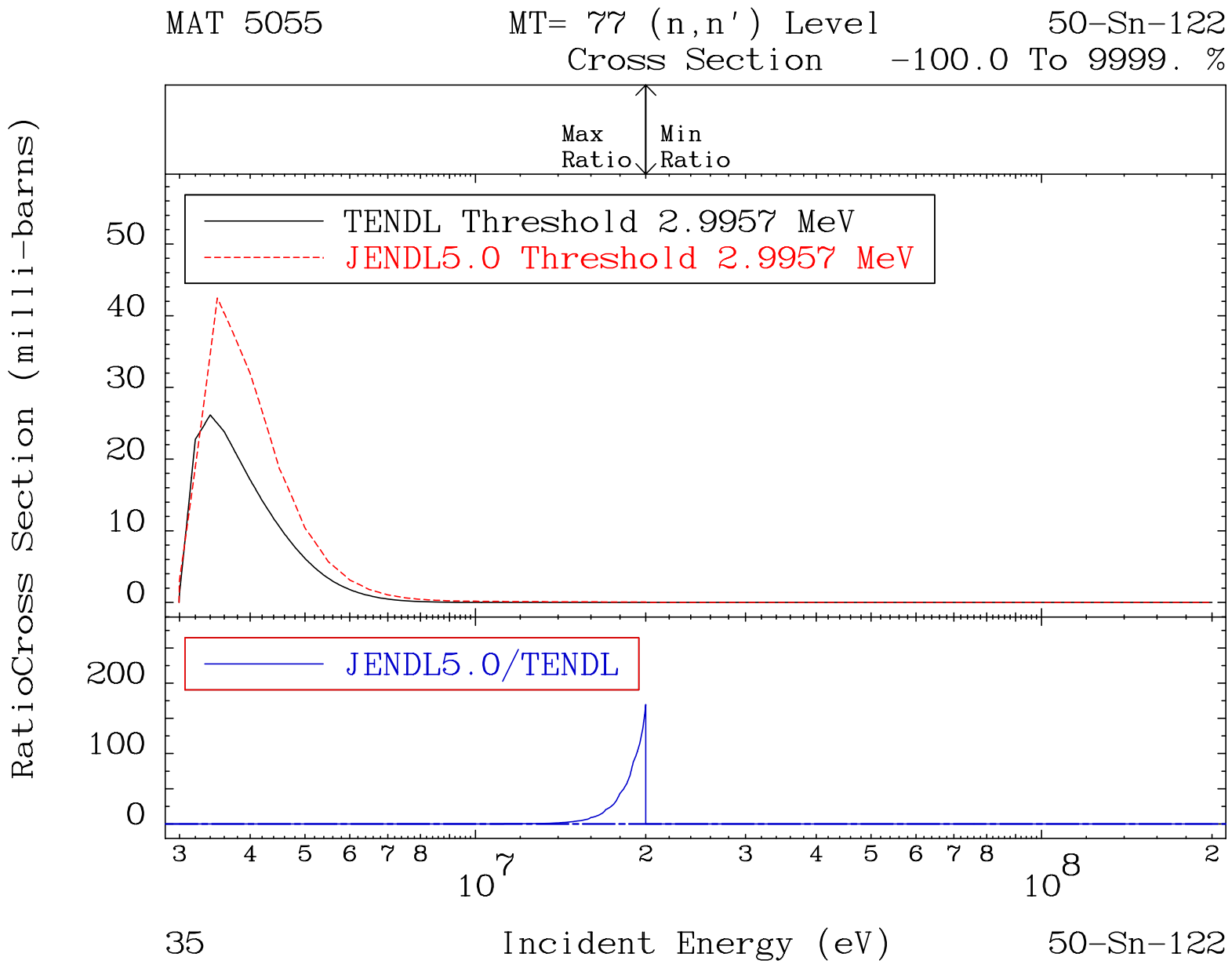

MAT 5055
MT= 72 (n,n') Level
50-Sn-122
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.8791 MeV
JENDL5.0 Threshold 2.8791 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
120
60
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
30
Incident Energy (eV)
50-Sn-122

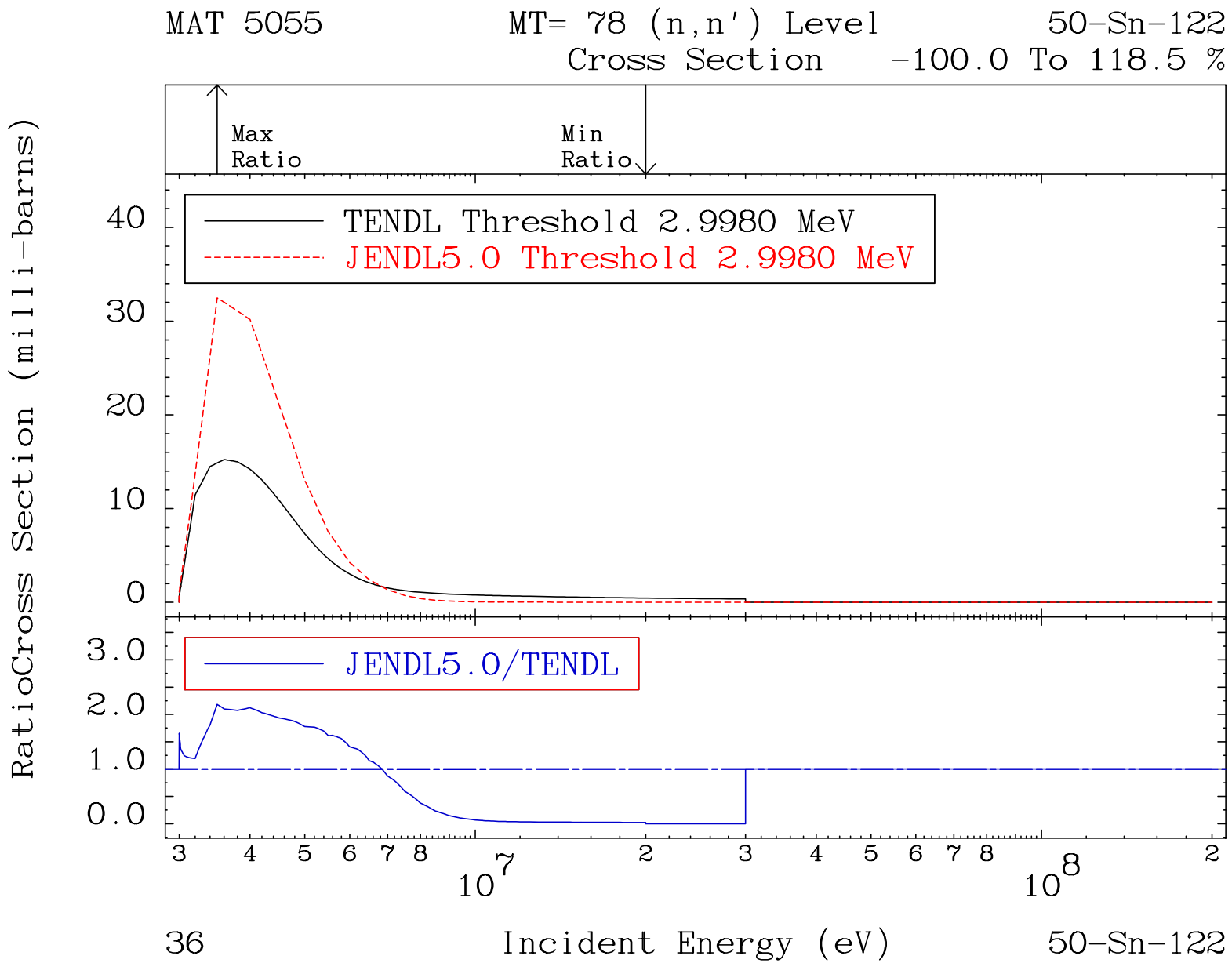

MAT 5055
MT= 73 (n,n') Level
50-Sn-122
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.8915 MeV
JENDL5.0 Threshold 2.8915 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
0.8
0.4
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
50-Sn-122

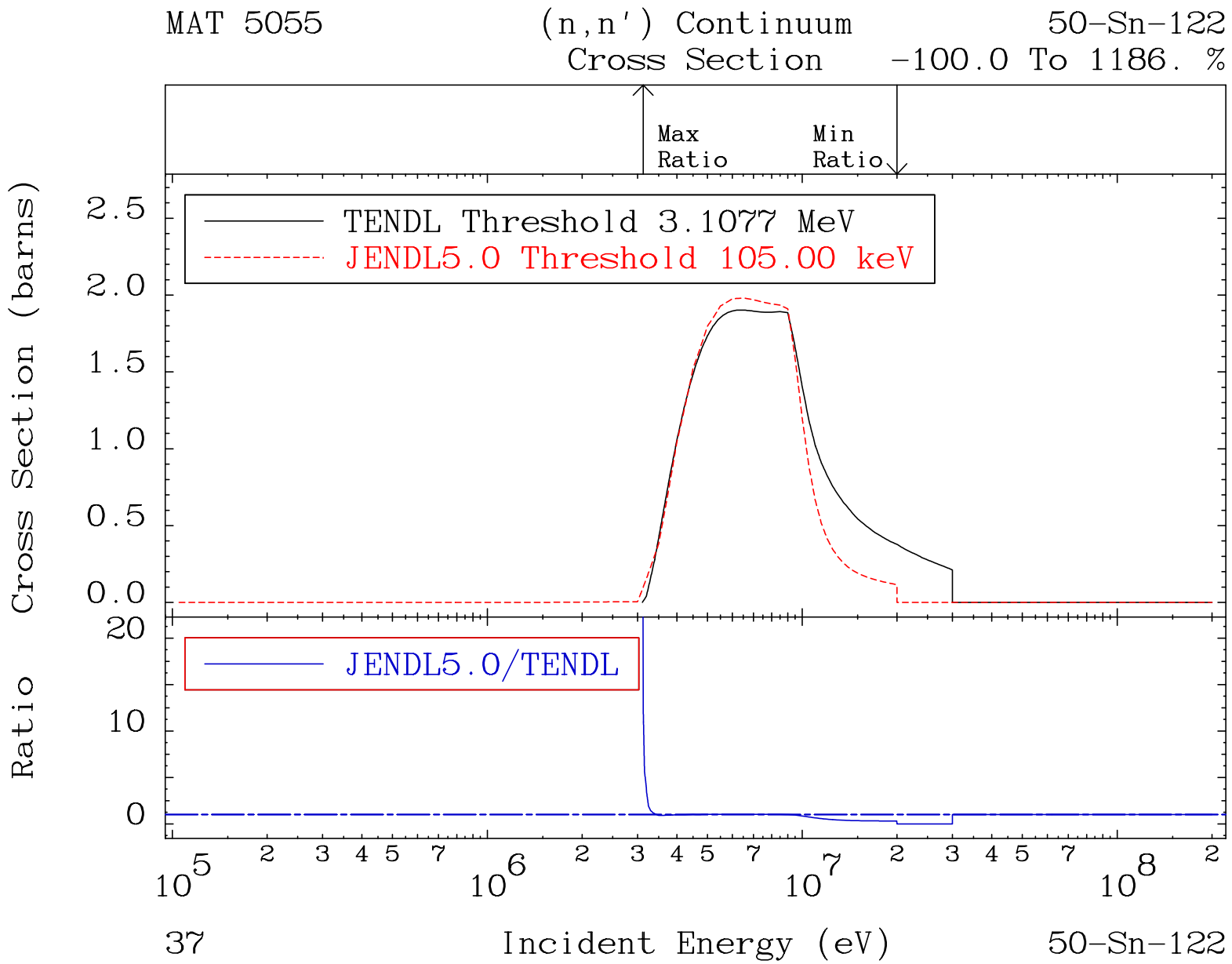

MAT 5055
MT= 74 (n,n') Level
50-Sn-122
Cross Section
-100.0 To 18.52 %
Max
Ratio
TENDL Threshold 2.9036 MeV
JENDL5.0 Threshold 2.9036 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
50-Sn-122

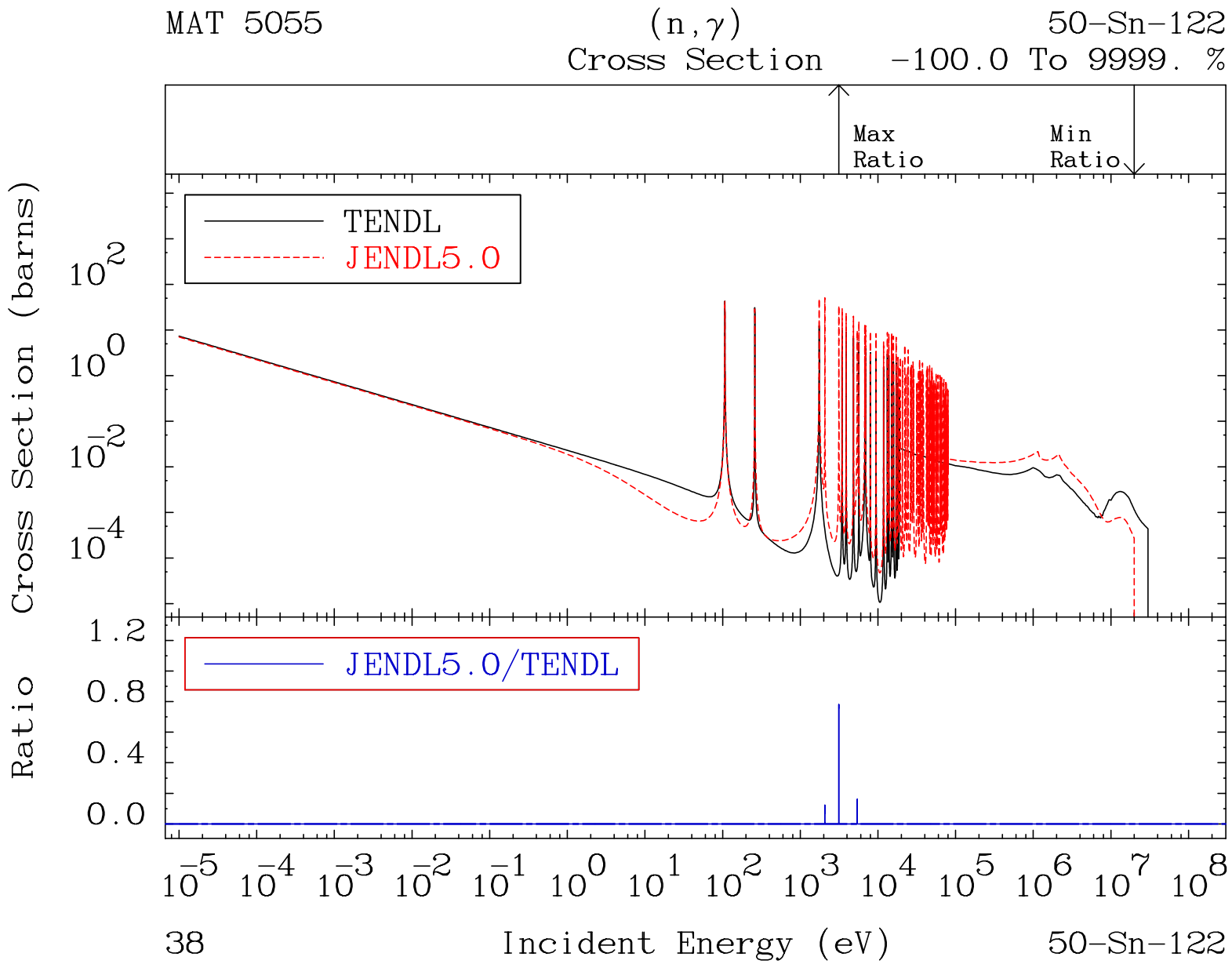

MAT 5055
MT= 75 (n,n') Level
50-Sn-122
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.9693 MeV
JENDL5.0 Threshold 2.9693 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
400
200
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
33
Incident Energy (eV)
50-Sn-122

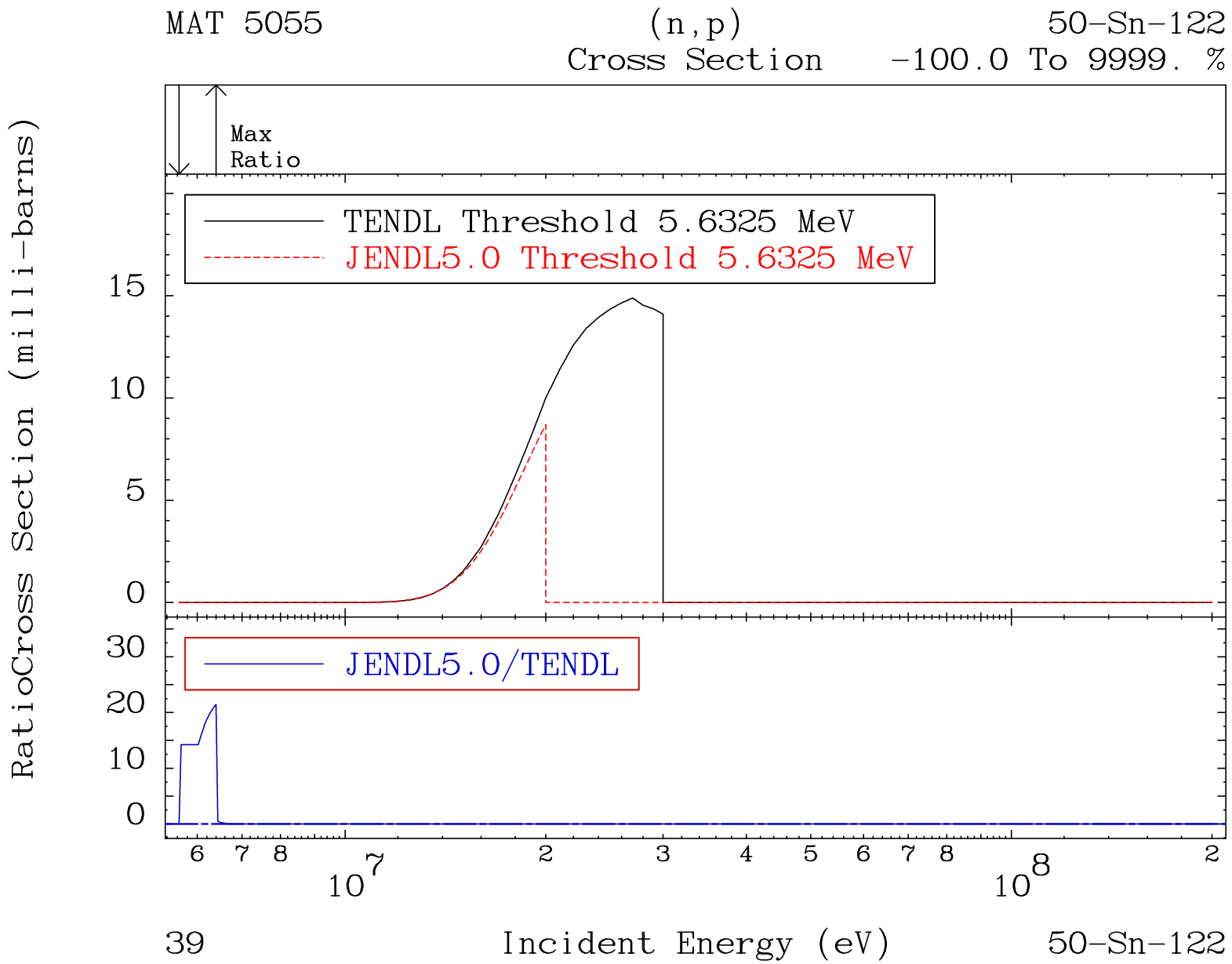

MAT 5055
MT= 76 (n,n') Level
50-Sn-122
Cross Section
-100.0 To 119.8 %
Max Ratio
Min Ratio
TENDL Threshold 2.9836 MeV
JENDL5.0 Threshold 2.9836 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
34
Incident Energy (eV)
50-Sn-122

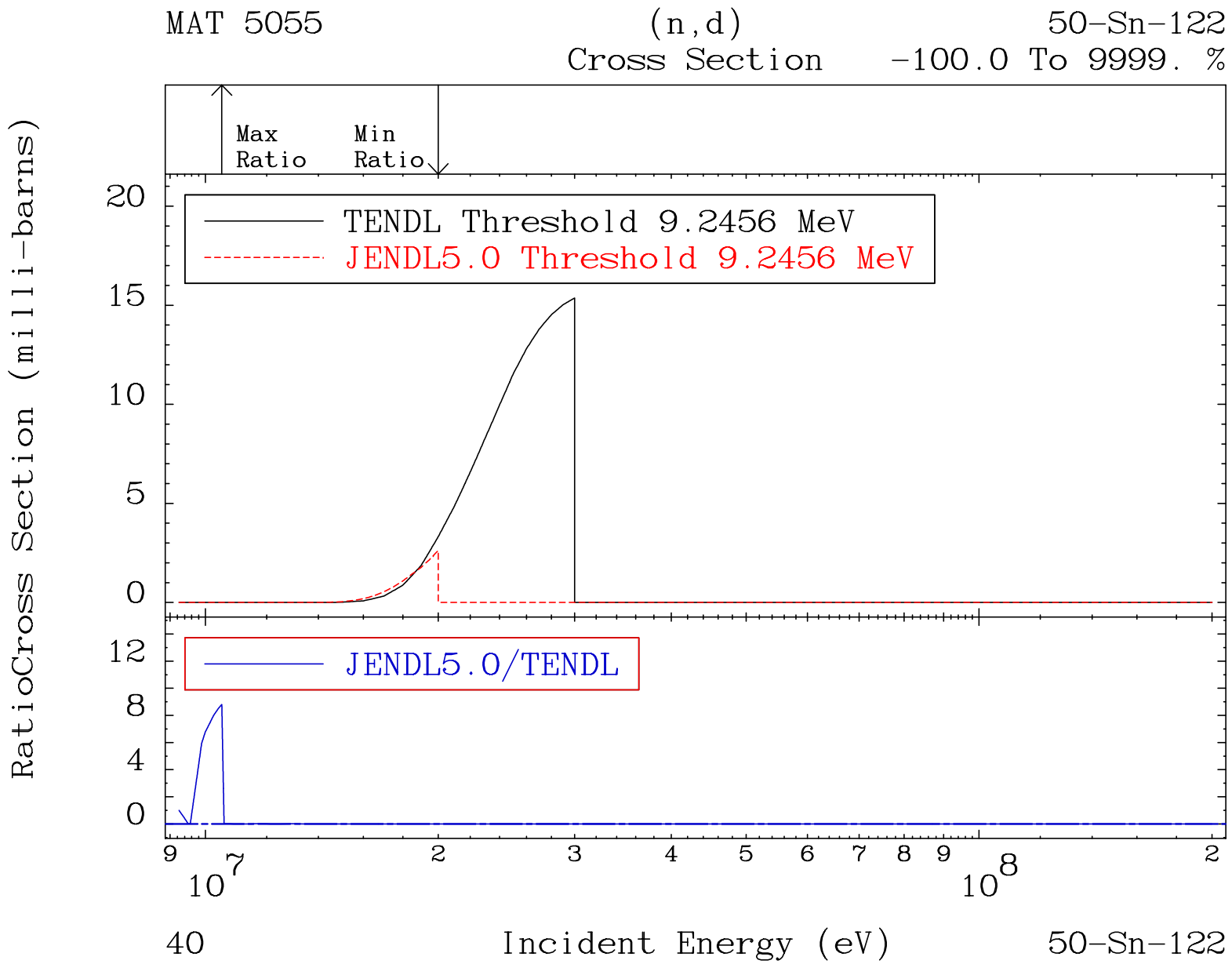

MAT 5055
MT= 77 (n,n') Level
50-Sn-122
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.9957 MeV
JENDL5.0 Threshold 2.9957 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
200
100
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
35
Incident Energy (eV)
50-Sn-122

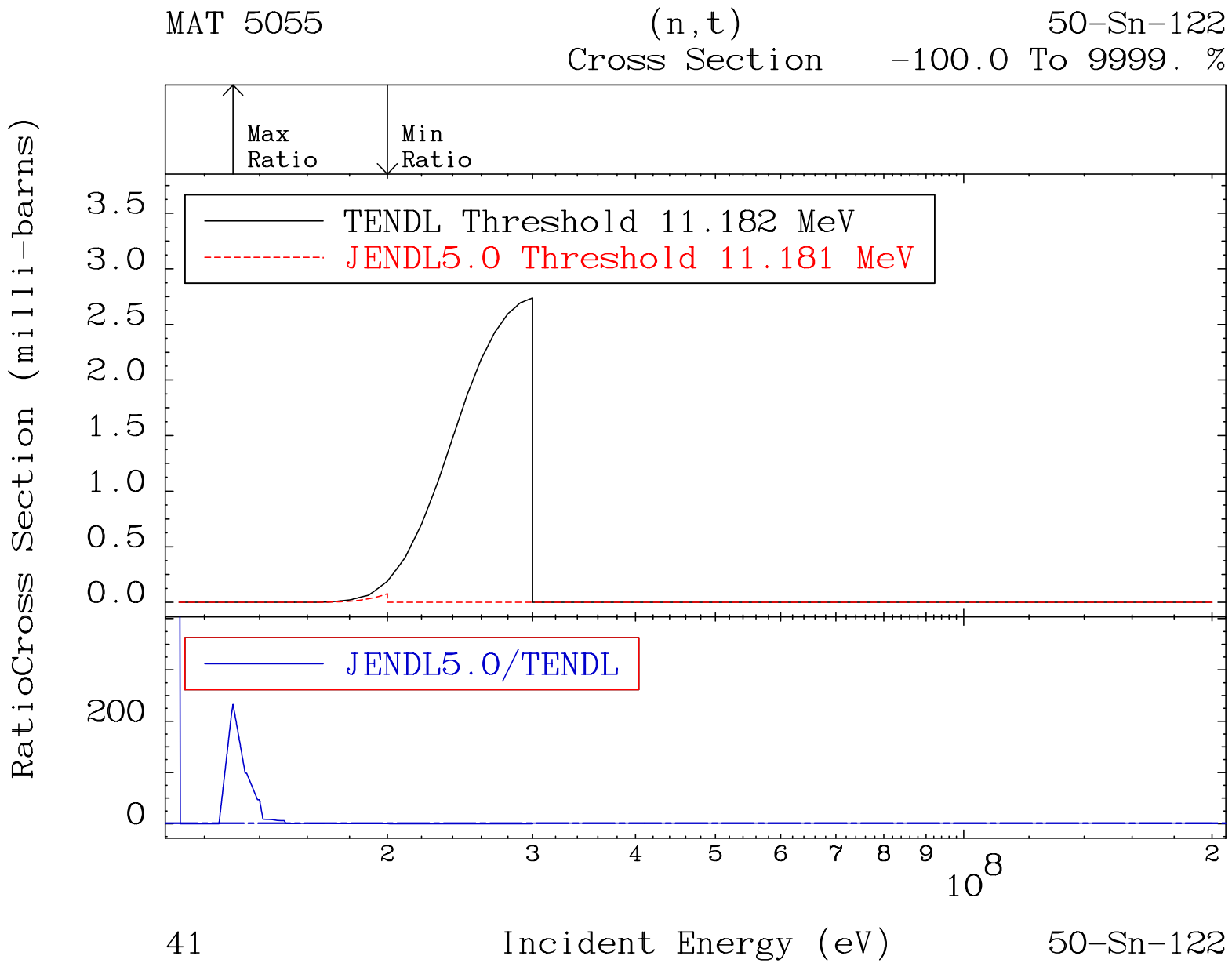

MAT 5055
MT= 78 (n,n') Level
50-Sn-122
Cross Section -100.0 To 118.5 %
Max Ratio
Min Ratio
TENDL Threshold 2.9980 MeV
JENDL5.0 Threshold 2.9980 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
36
50-Sn-122

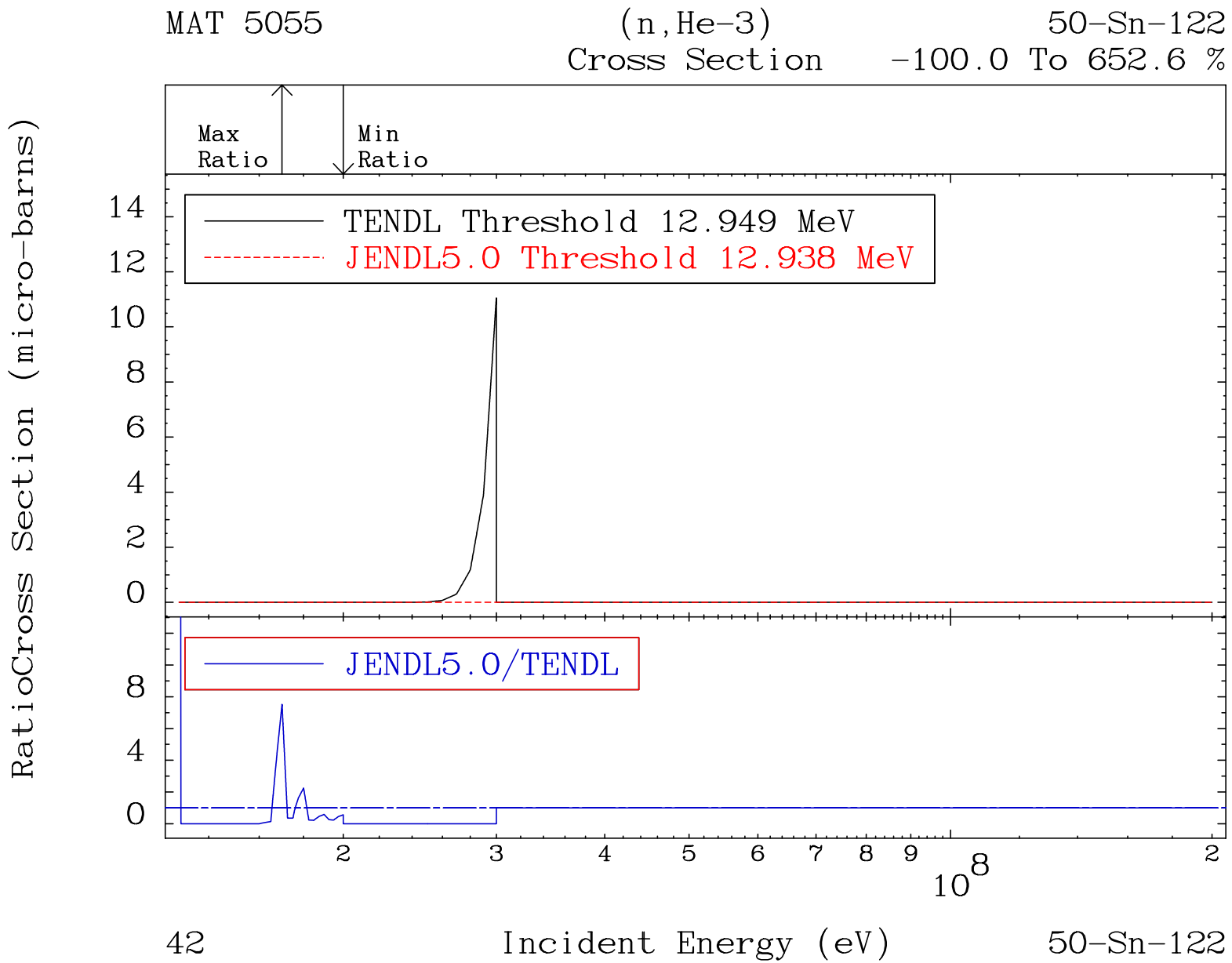

MAT 5055
(n,n') Continuum
Cross Section
50-Sn-122
-100.0 To 1186. %
Max Ratio
Min Ratio
TENDL Threshold 3.1077 MeV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
37
50-Sn-122

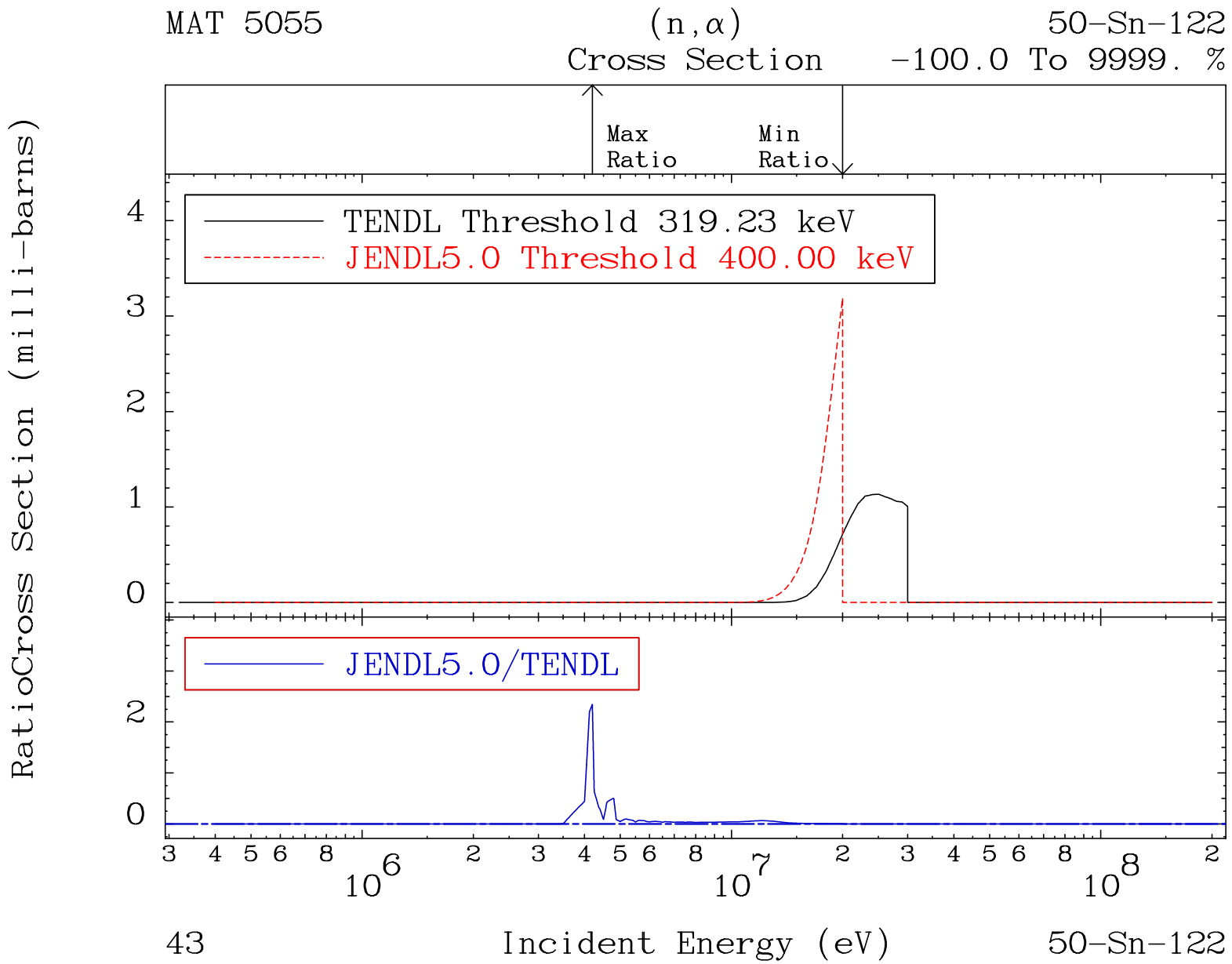

MAT 5055
(n,γ)
Cross Section
50-Sn-122
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
38
50-Sn-122

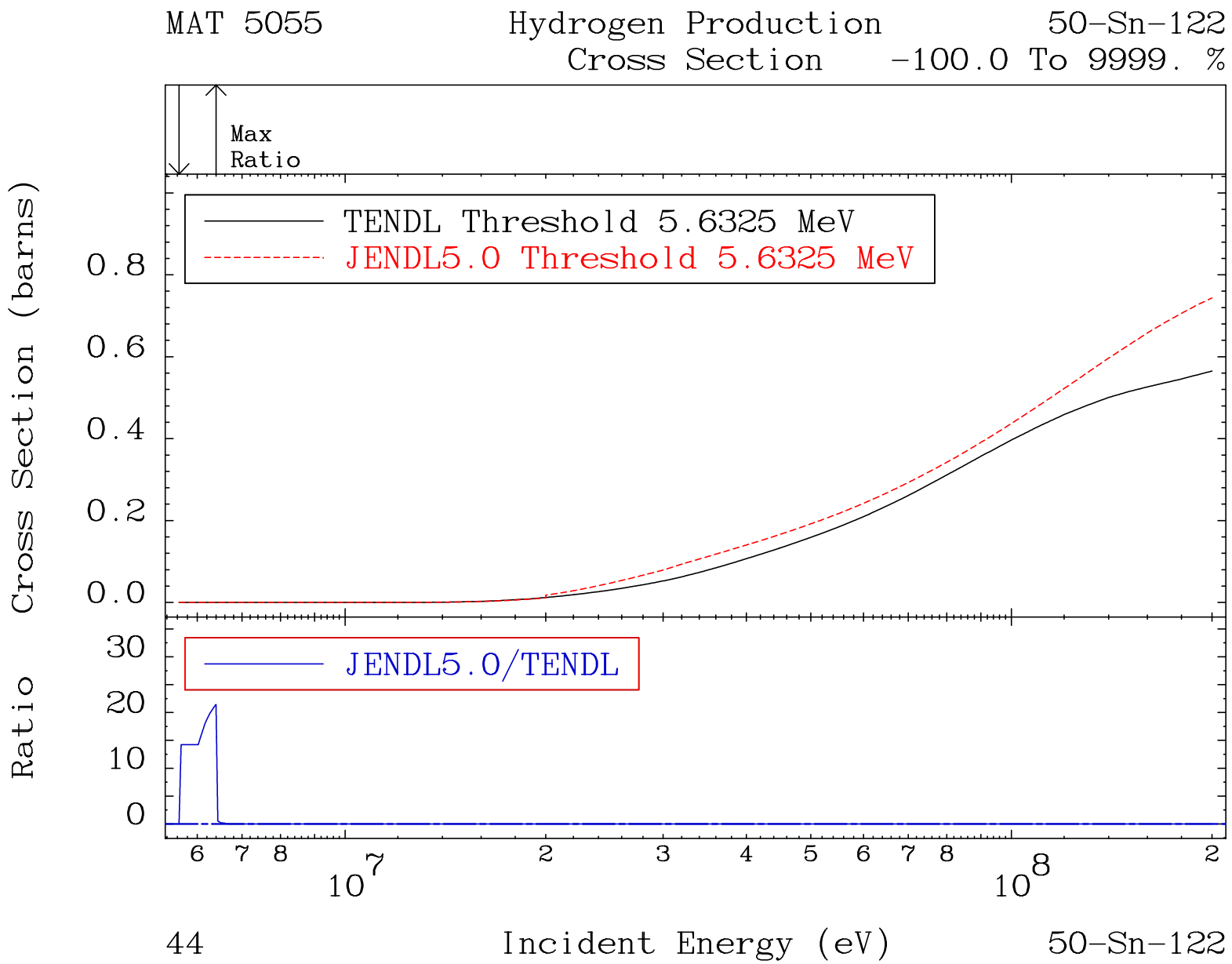

MAT 5055
(n,p)
50-Sn-122
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 5.6325 MeV
JENDL5.0 Threshold 5.6325 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
15
10
5
0
30
20
10
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
39
Incident Energy (eV)
50-Sn-122

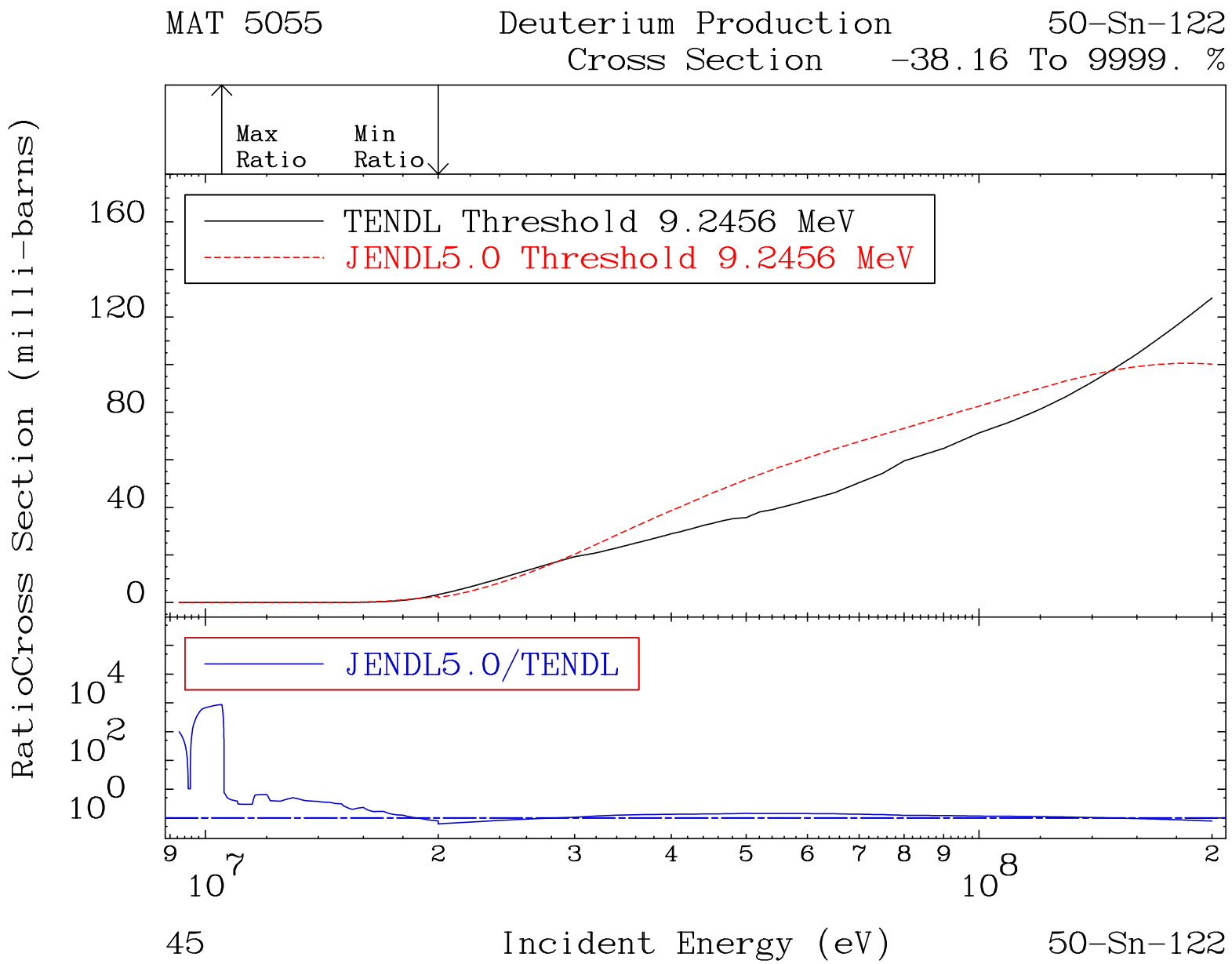

MAT 5055
(n,d)
50-Sn-122
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.2456 MeV
JENDL5.0 Threshold 9.2456 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
12
8
4
0
9
2
3
4
5
6
7
8
9
2
10^7
10^8
40
Incident Energy (eV)
50-Sn-122

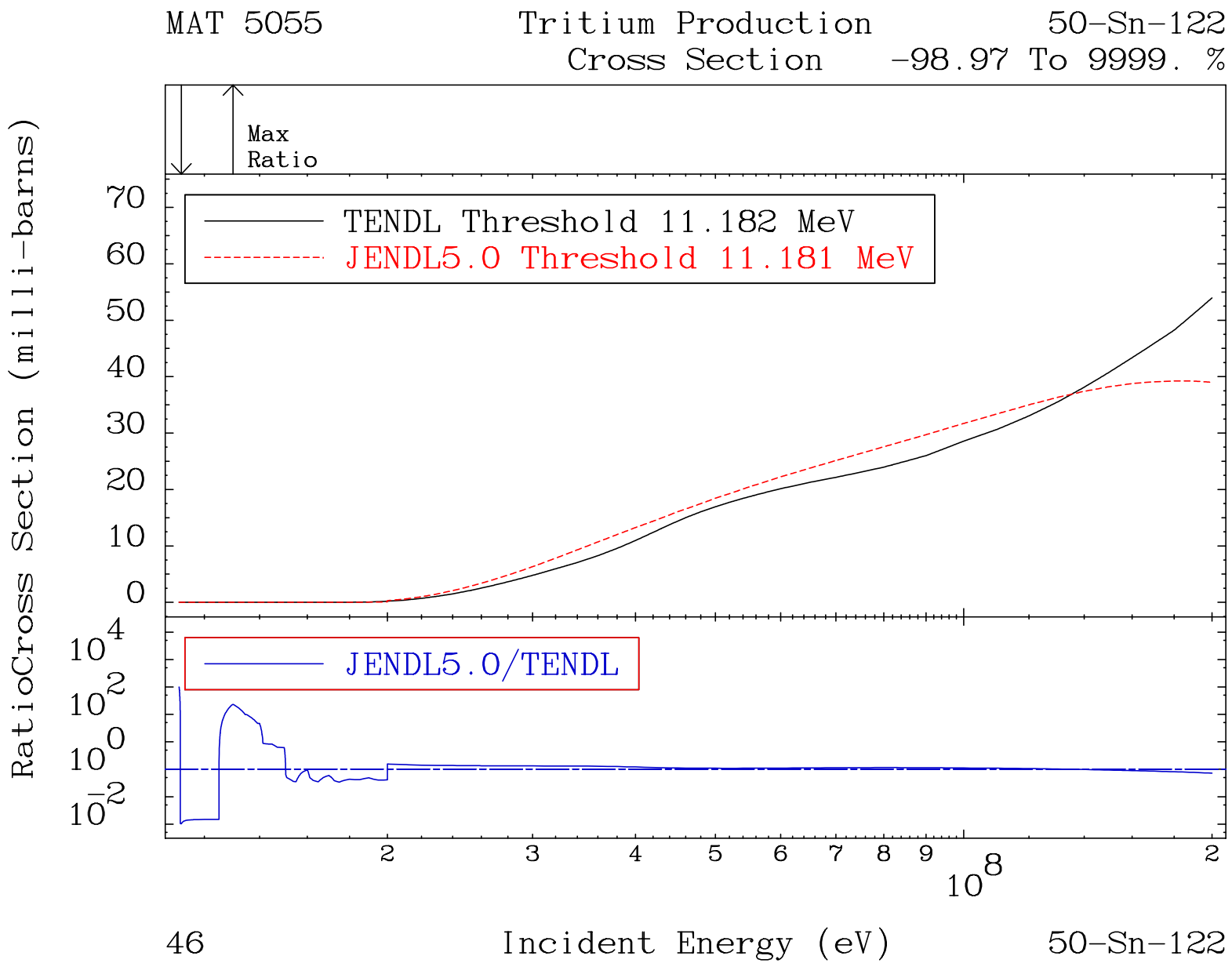

MAT 5055
(n,t)
50-Sn-122
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 11.182 MeV
JENDL5.0 Threshold 11.181 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
200
0
2
3
4
5
6
7
8
9
10^8
2
41
Incident Energy (eV)
50-Sn-122

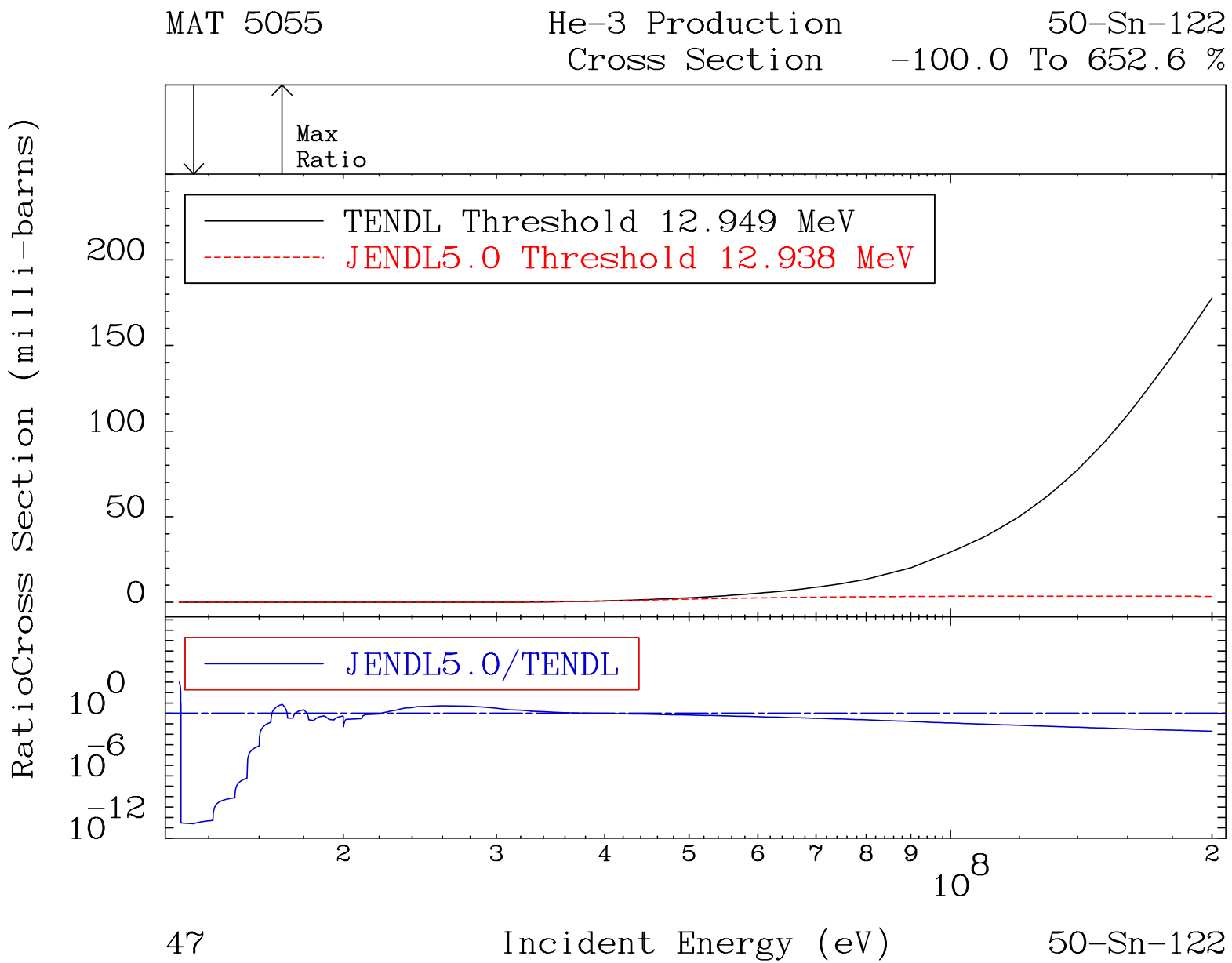

MAT 5055
(n,He-3)
50-Sn-122
Cross Section
-100.0 To 652.6 %
Max Ratio
Min Ratio
TENDL Threshold 12.949 MeV
JENDL5.0 Threshold 12.938 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
14
12
10
8
6
4
2
0
8
4
0
2
3
4
5
6
7
8
9
2
10^8
42
Incident Energy (eV)
50-Sn-122

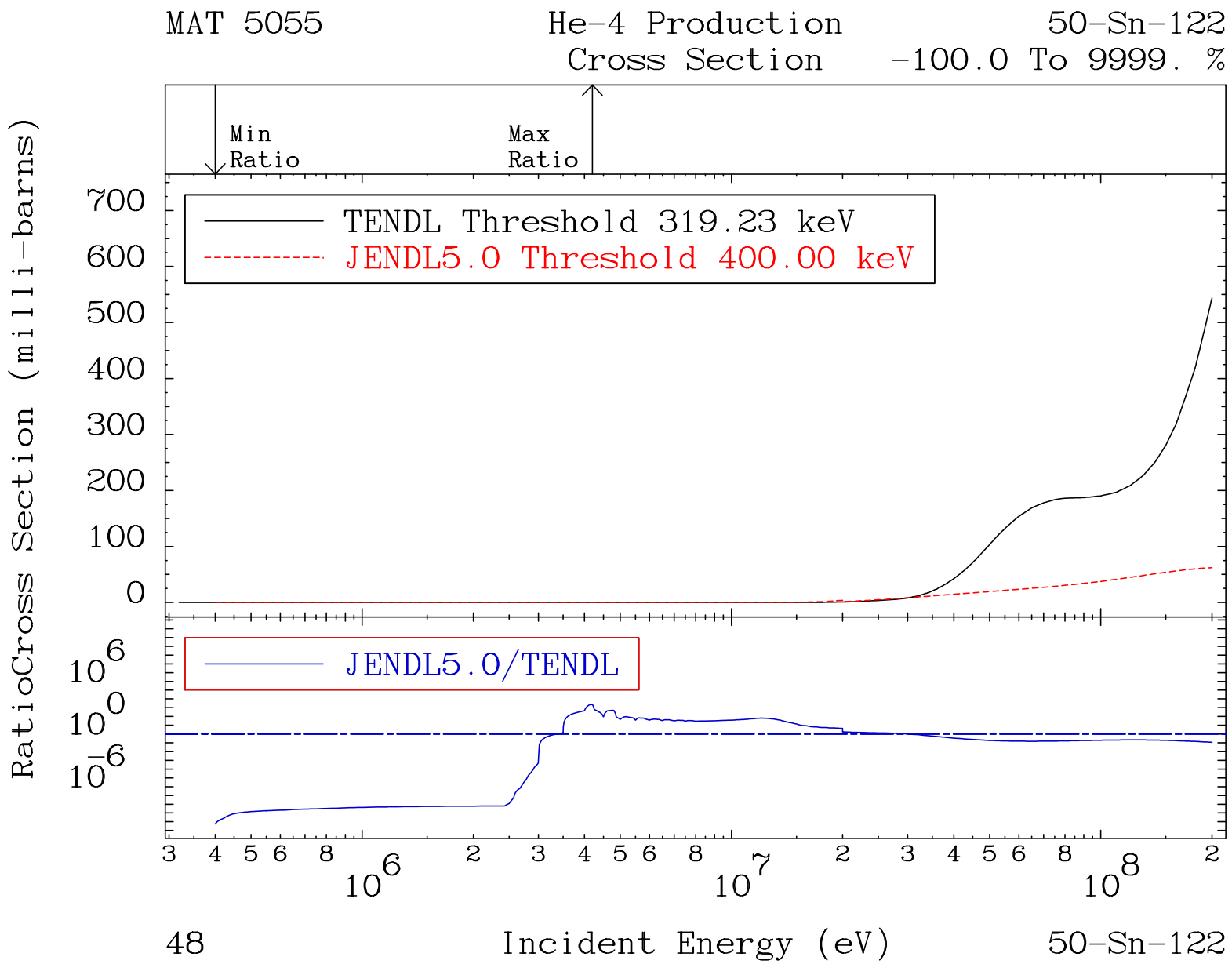

MAT 5055
(n,α)
50-Sn-122
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 319.23 keV
JENDL5.0 Threshold 400.00 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
43
50-Sn-122

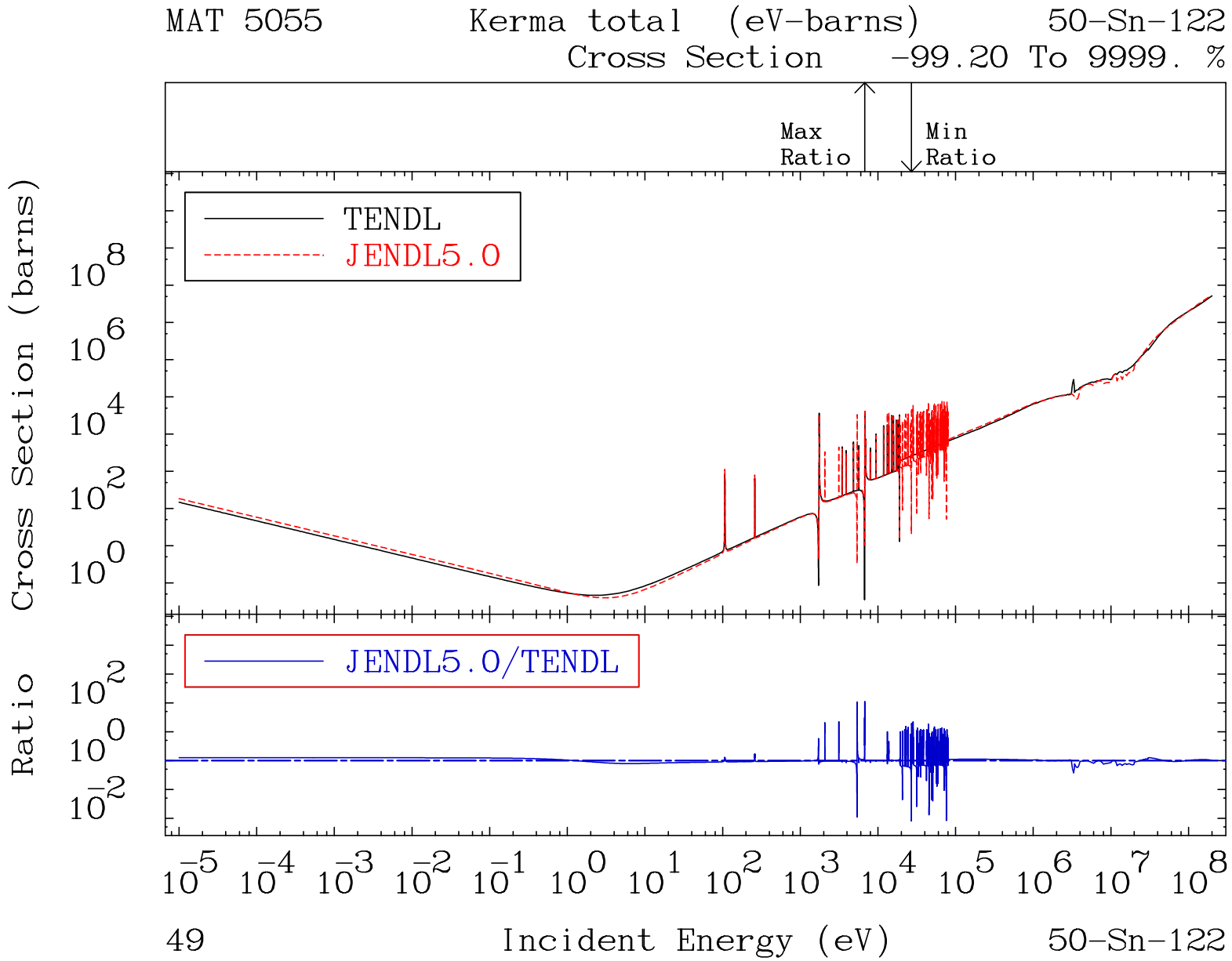

MAT 5055
Hydrogen Production
50-Sn-122
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 5.6325 MeV
JENDL5.0 Threshold 5.6325 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
0.8
0.6
0.4
0.2
0.0
30
20
10
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
44
Incident Energy (eV)
50-Sn-122

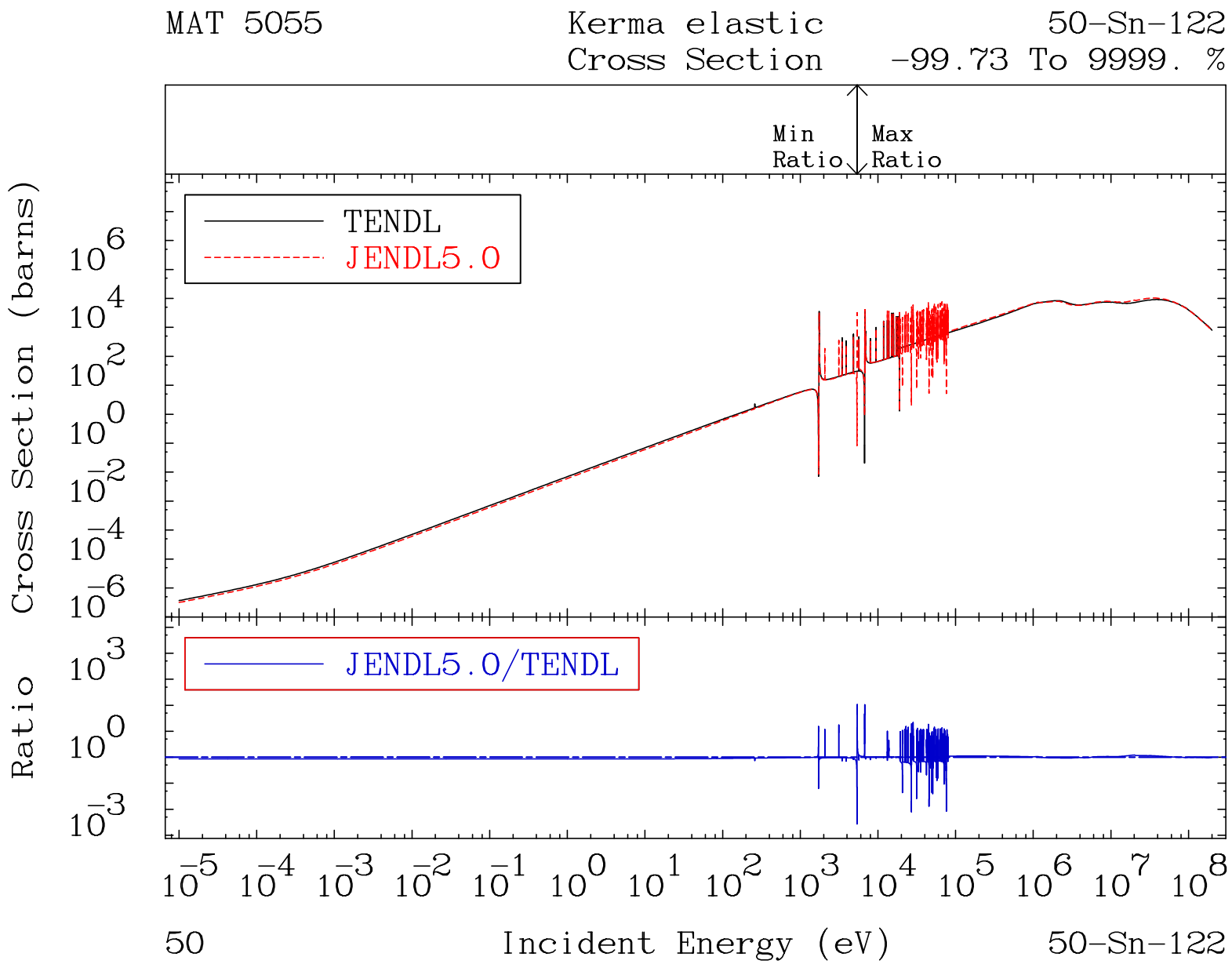

MAT 5055
Deuterium Production
50-Sn-122
Cross Section
-38.16 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.2456 MeV
JENDL5.0 Threshold 9.2456 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^4
10^2
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
45
Incident Energy (eV)
50-Sn-122

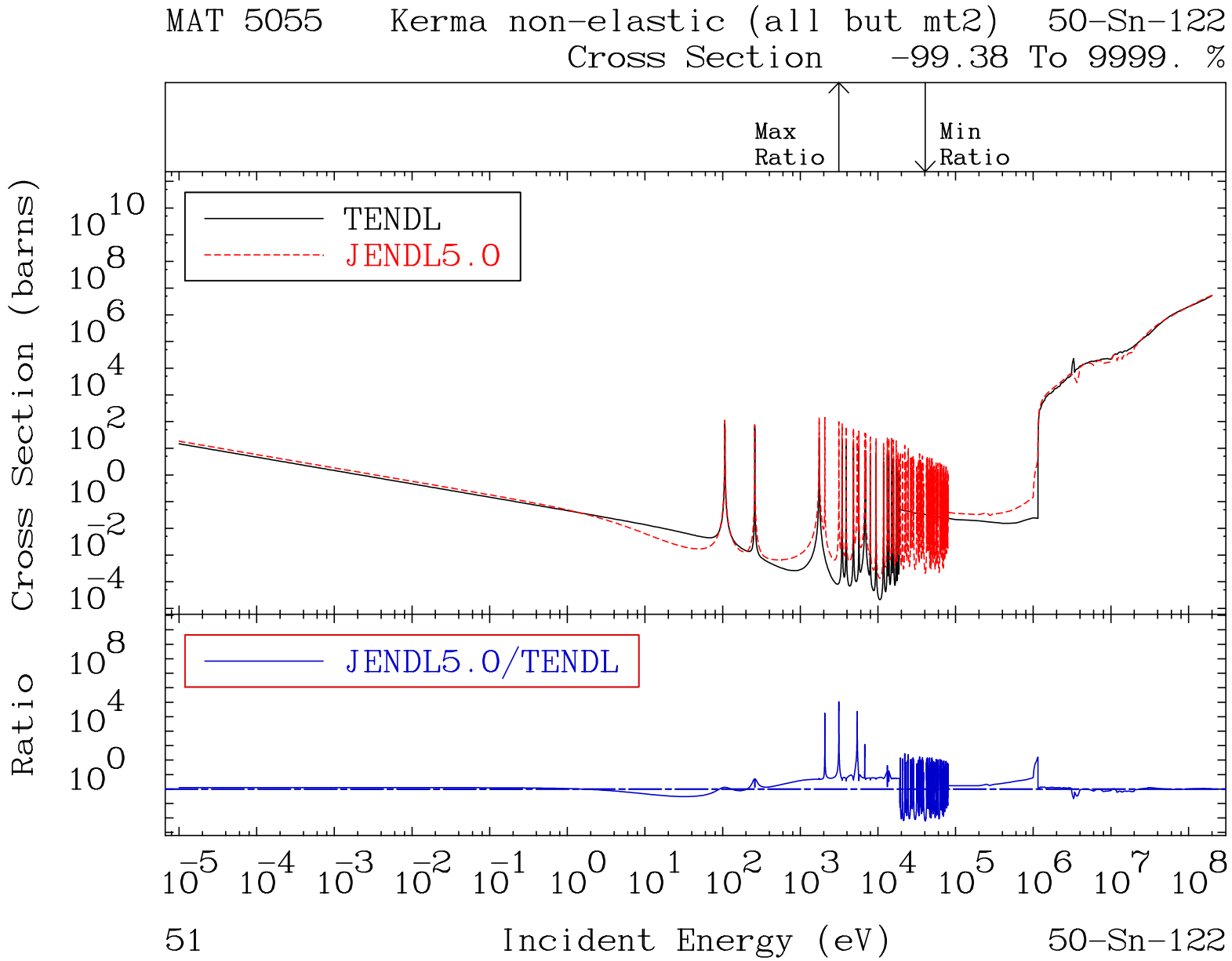

MAT 5055
Tritium Production
50-Sn-122
Cross Section
-98.97 To 9999. %
Max
Ratio
TENDL Threshold 11.182 MeV
JENDL5.0 Threshold 11.181 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
10^4
10^2
10^0
10^-2
2
3
4
5
6
7
8
9
10^8
2
46
Incident Energy (eV)
50-Sn-122

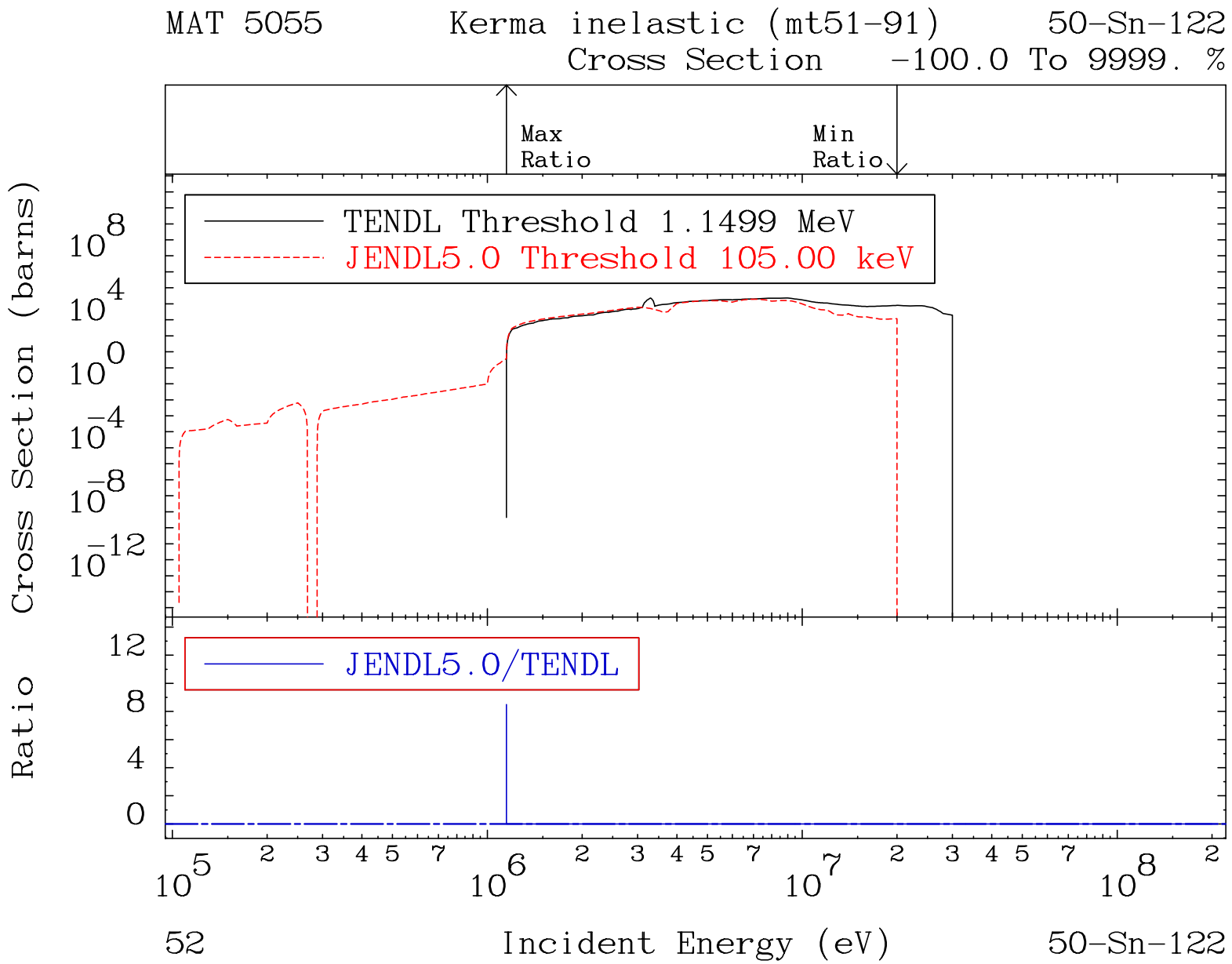

MAT 5055
He-3 Production
Cross Section
50-Sn-122
-100.0 To 652.6 %
Max
Ratio
TENDL Threshold 12.949 MeV
JENDL5.0 Threshold 12.938 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
10^0
10^-6
10^-12
2
3
4
5
6
7
8
9
10^8
2
47
Incident Energy (eV)
50-Sn-122

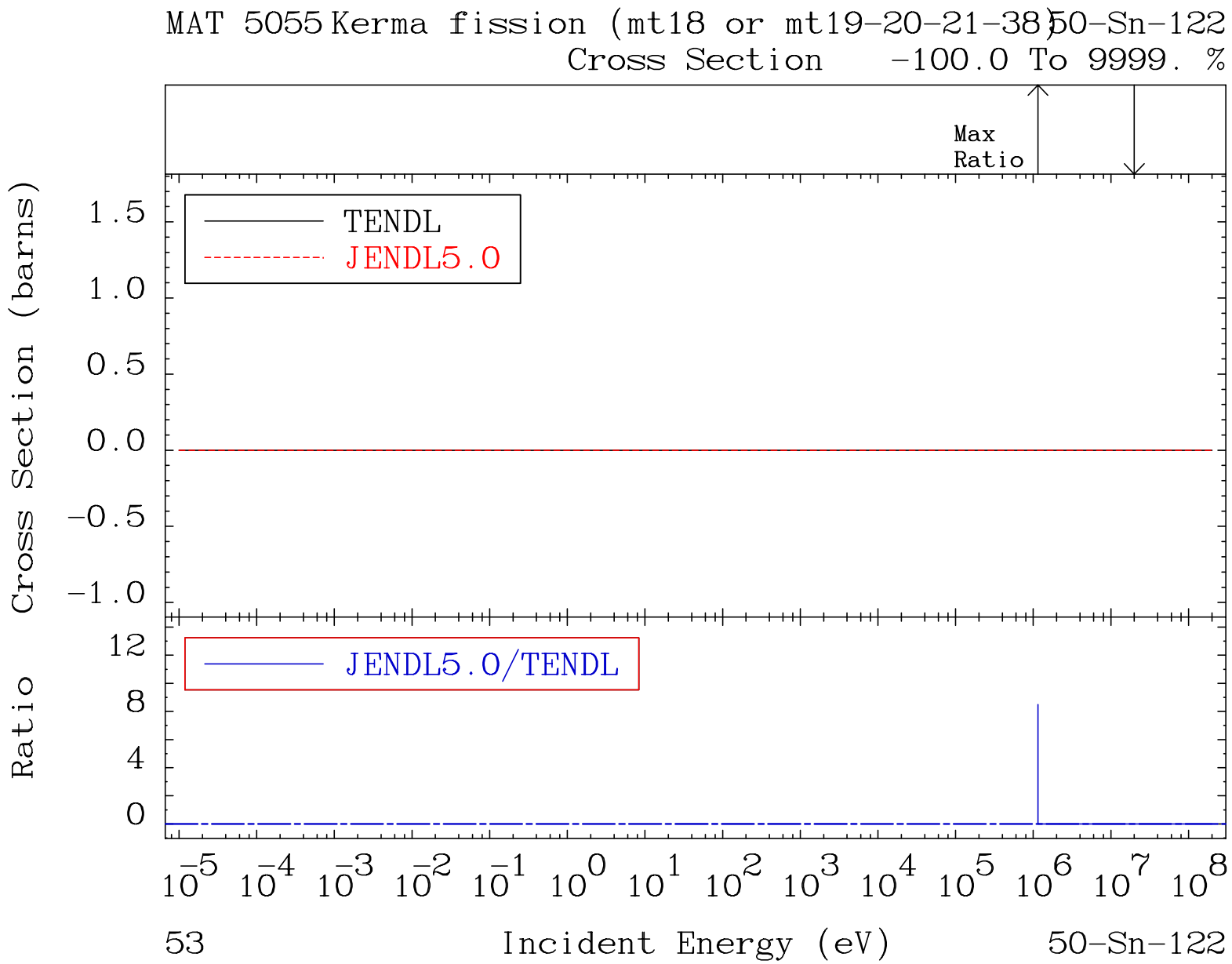

MAT 5055
He-4 Production
Cross Section
50-Sn-122
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 319.23 keV
JENDL5.0 Threshold 400.00 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
700
600
500
400
300
200
100
0
10^6
10^0
10^-6
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
48
Incident Energy (eV)
50-Sn-122

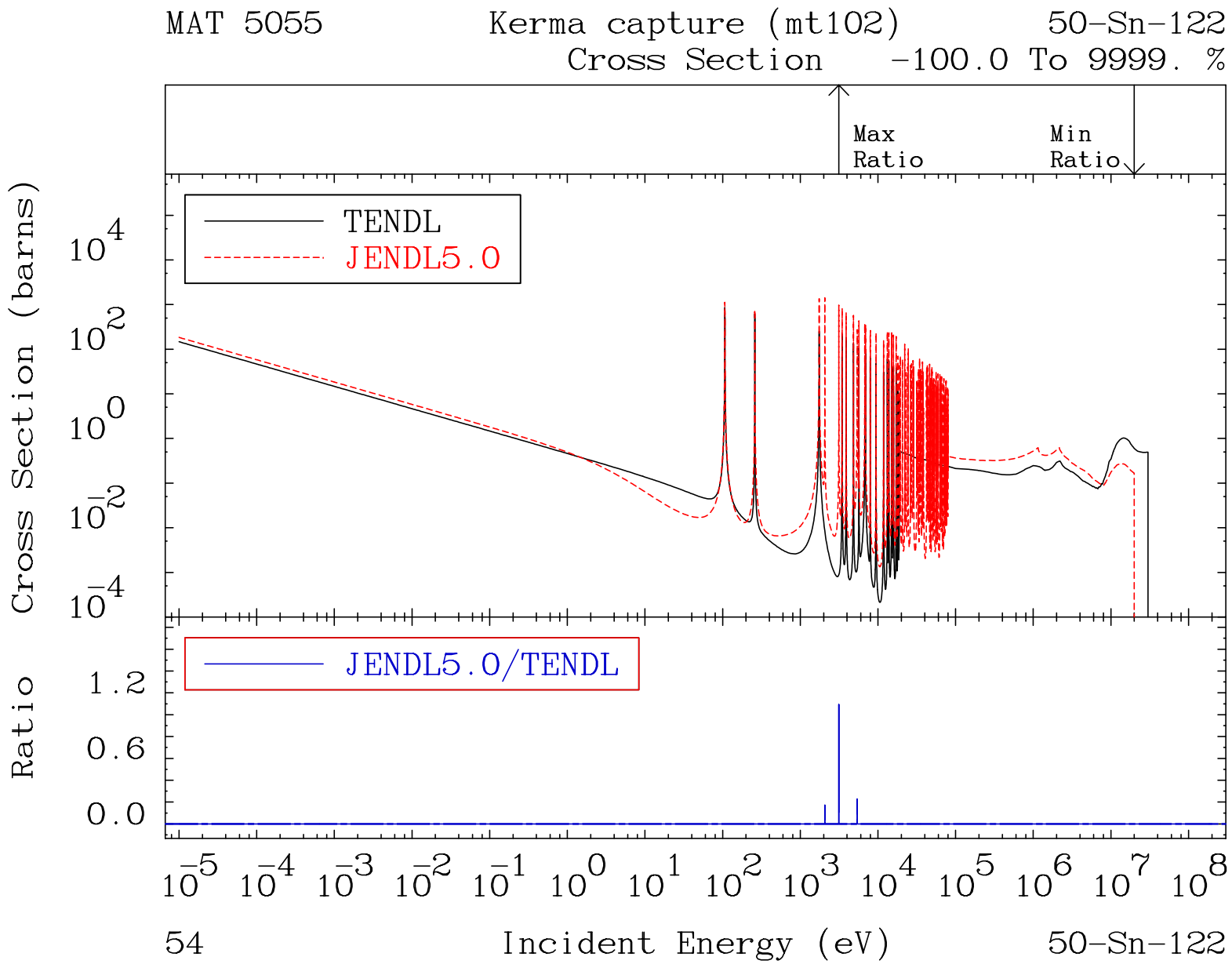

MAT 5055
Kerma total (eV-barns)
50-Sn-122
Cross Section -99.20 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
49
50-Sn-122

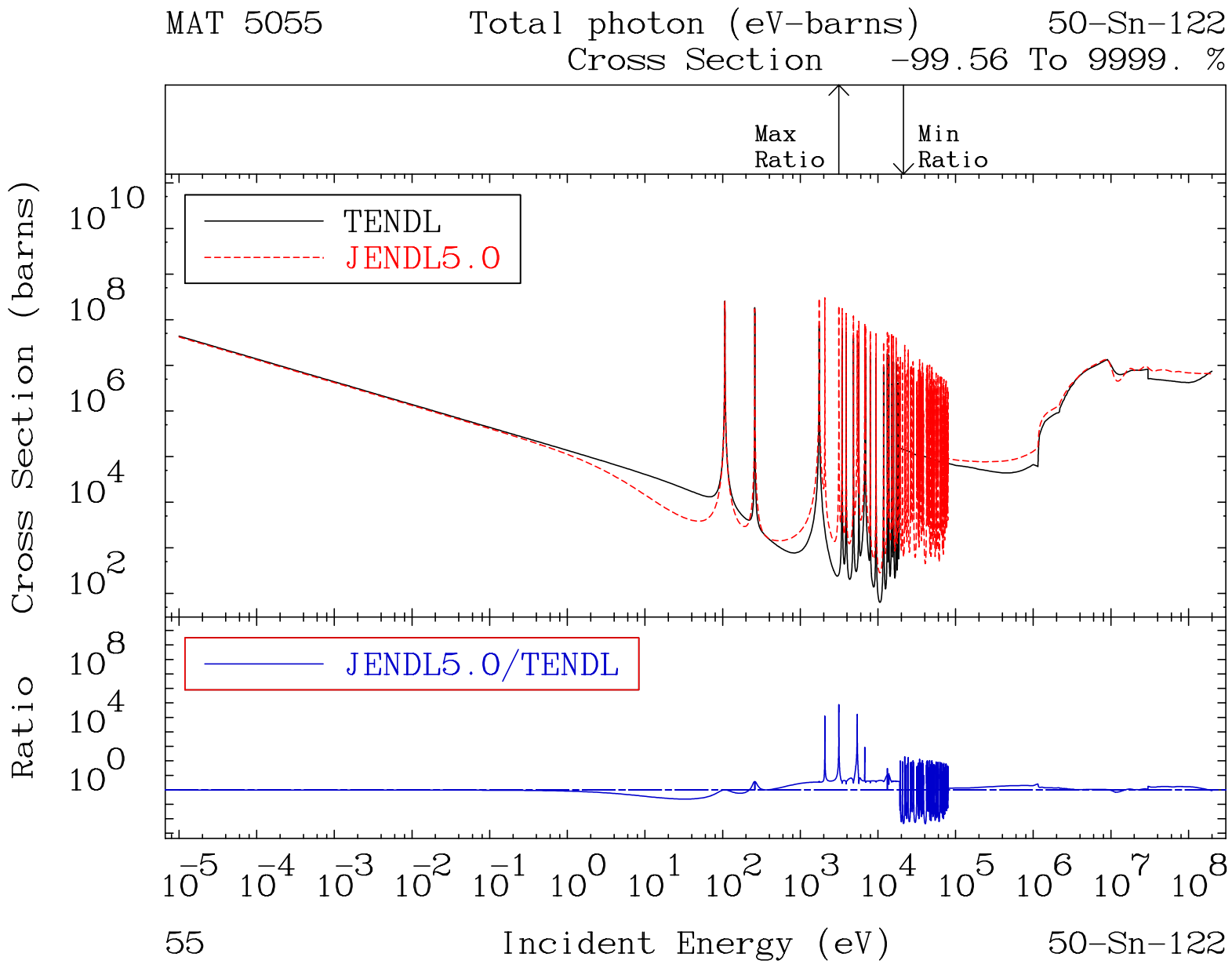

MAT 5055
Kerma elastic
Cross Section
50-Sn-122
-99.73 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
50
50-Sn-122

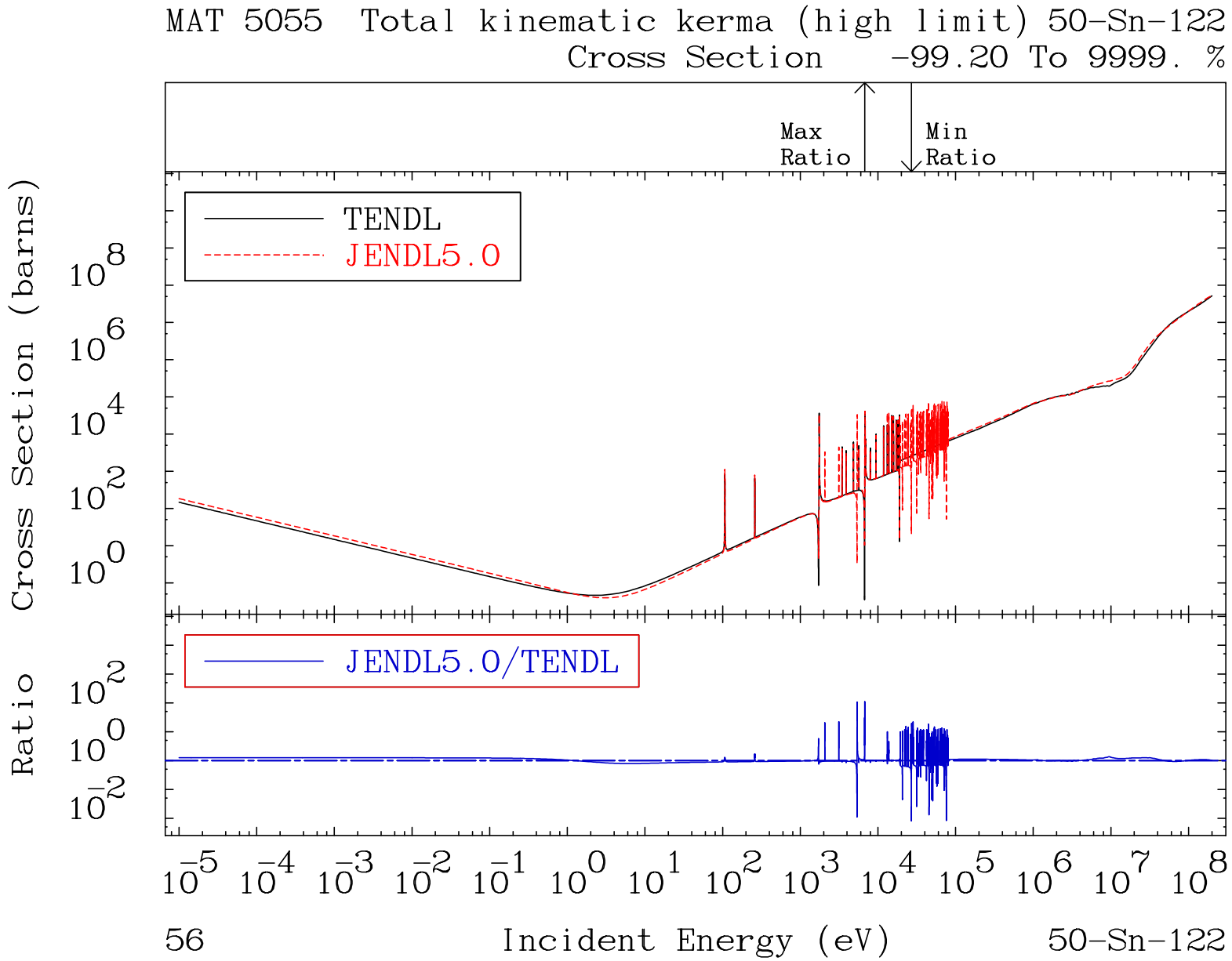

MAT 5055 Kerma non-elastic (all but mt2) 50-Sn-122
Cross Section -99.38 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
50-Sn-122

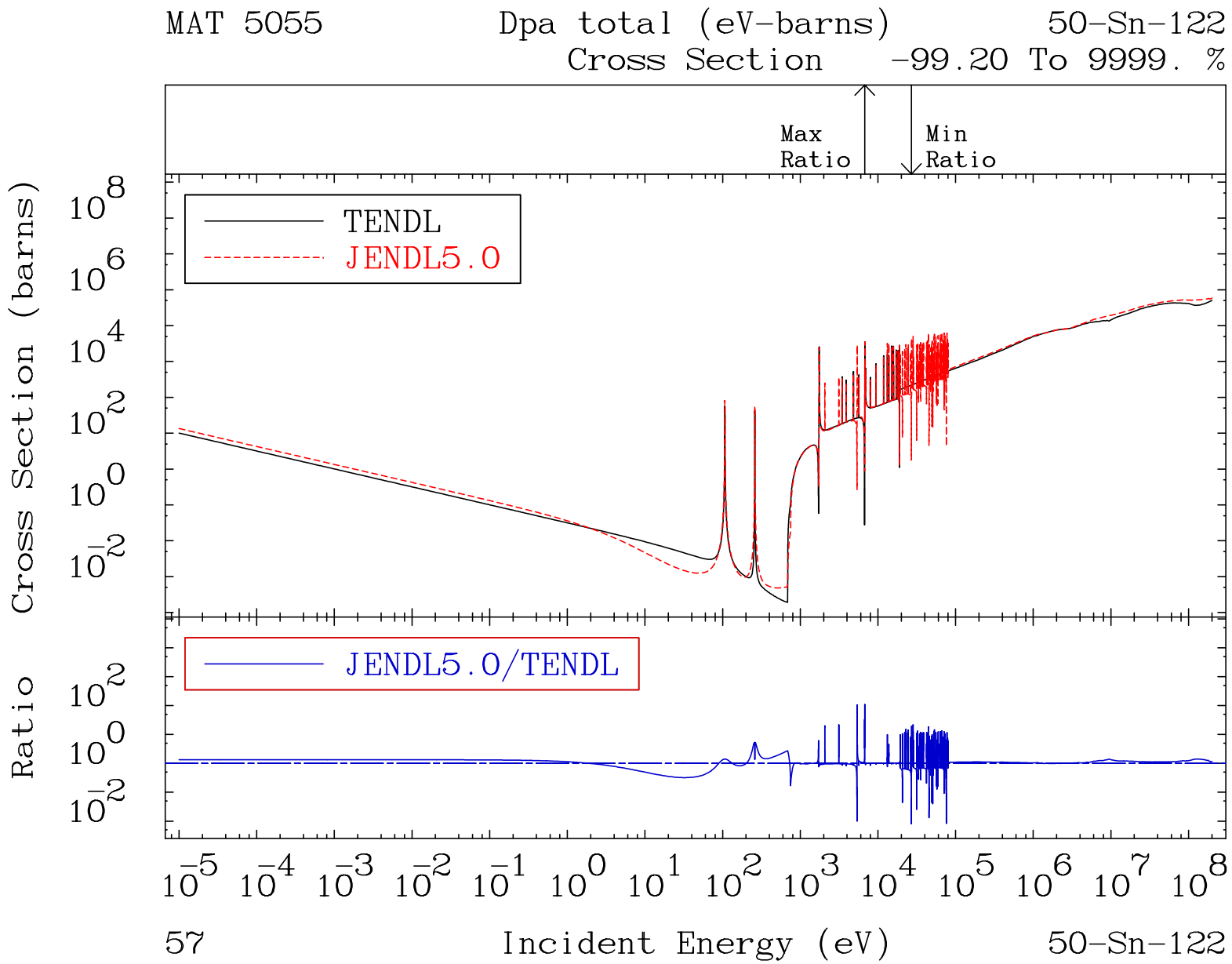

MAT 5055
Kerma inelastic (mt51-91)
50-Sn-122
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.1499 MeV
JENDL5.0 Threshold 105.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
52
50-Sn-122

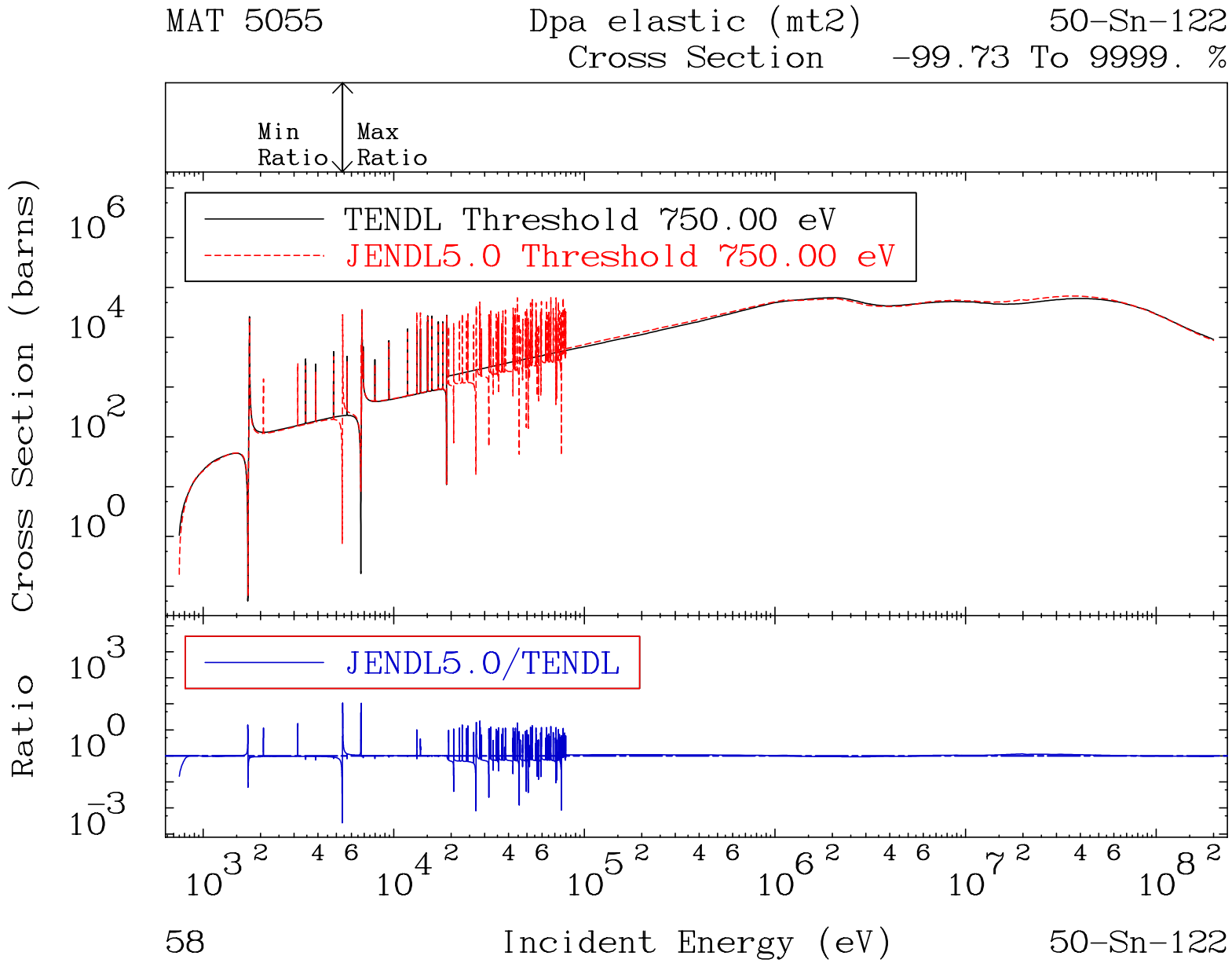

MAT 5055 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-122
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
12
8
4
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
53
Incident Energy (eV)
50-Sn-122

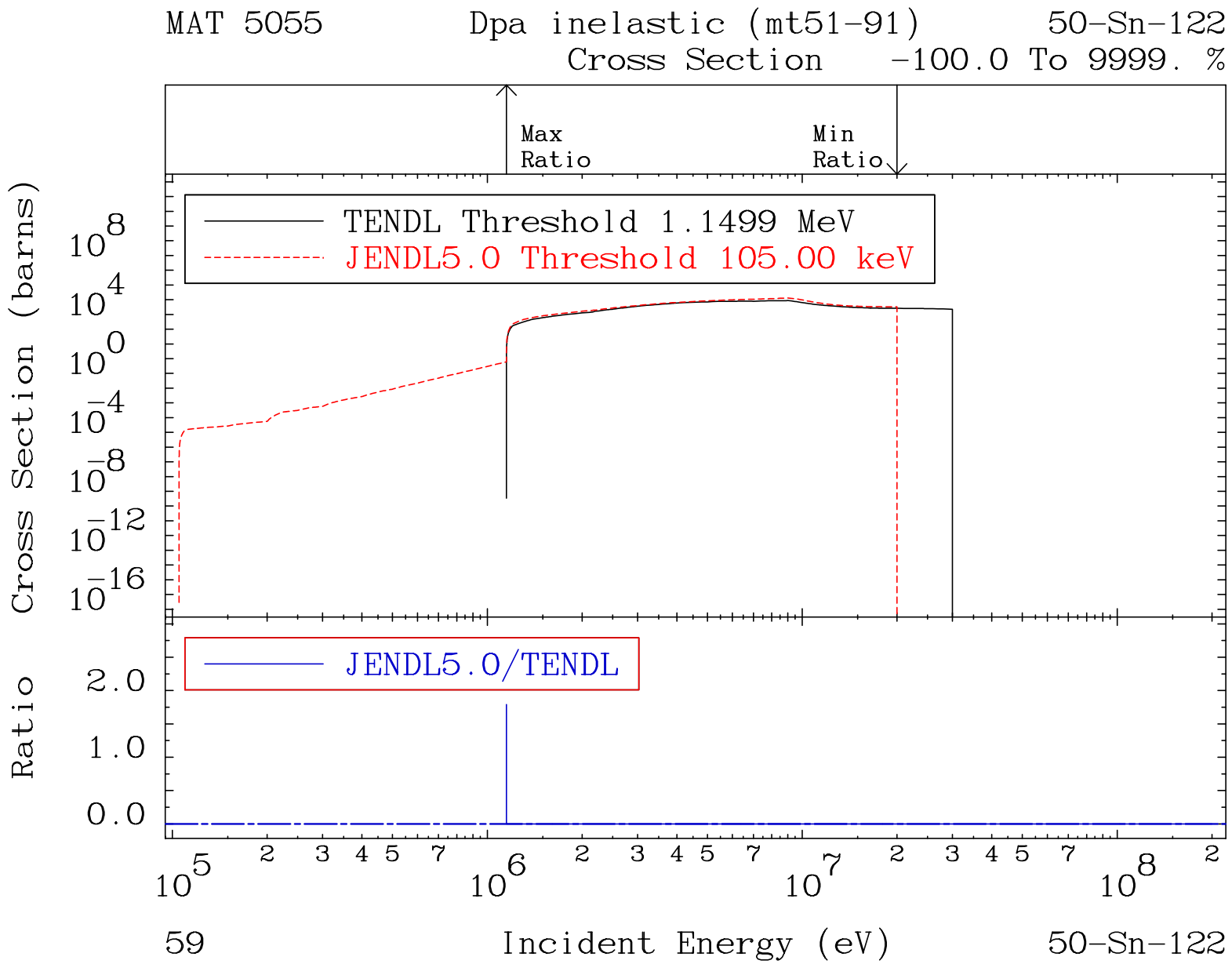

MAT 5055
Kerma capture (mt102)
50-Sn-122
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
54
50-Sn-122

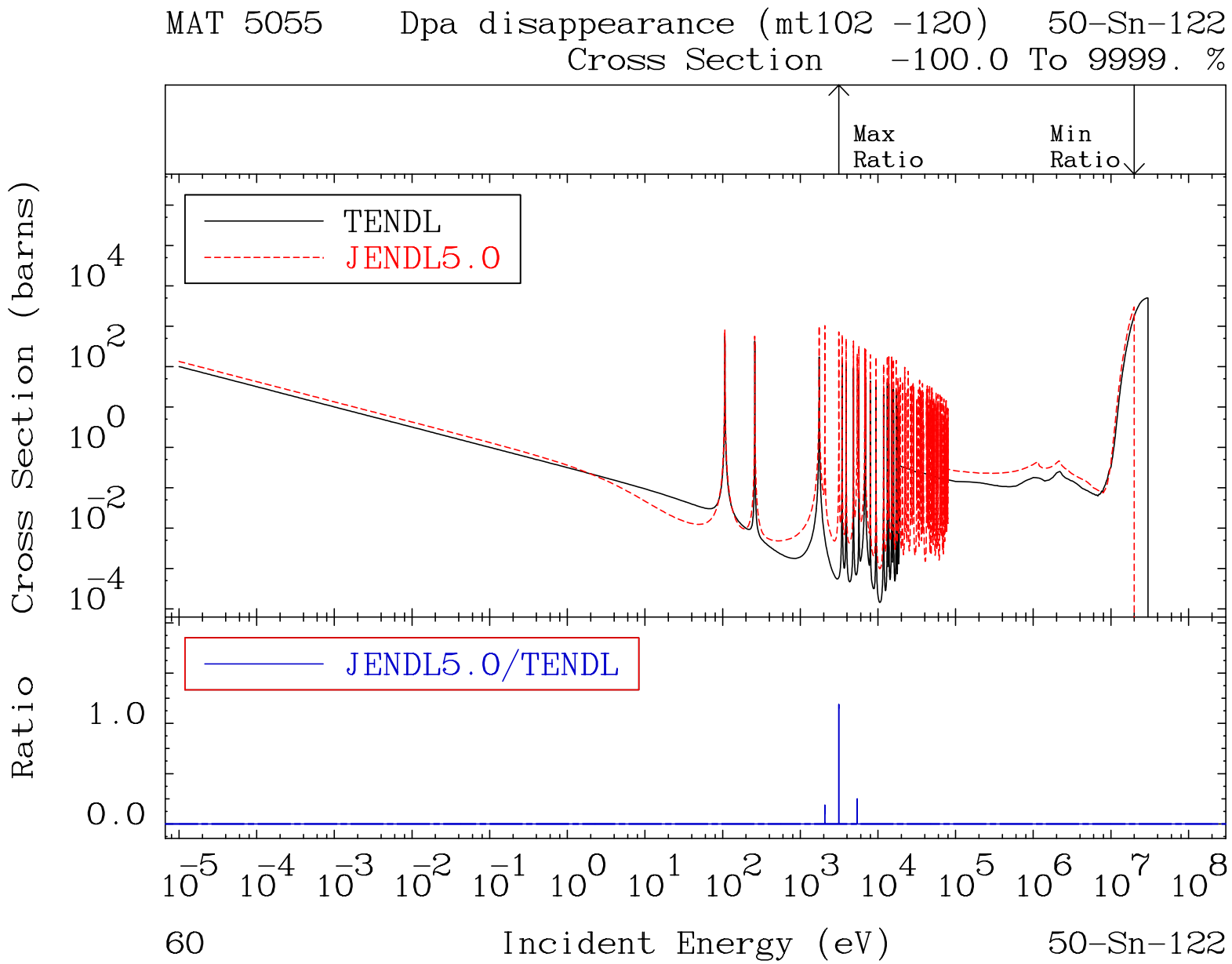

MAT 5055
Total photon (eV-barns)
50-Sn-122
Cross Section -99.56 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
50-Sn-122

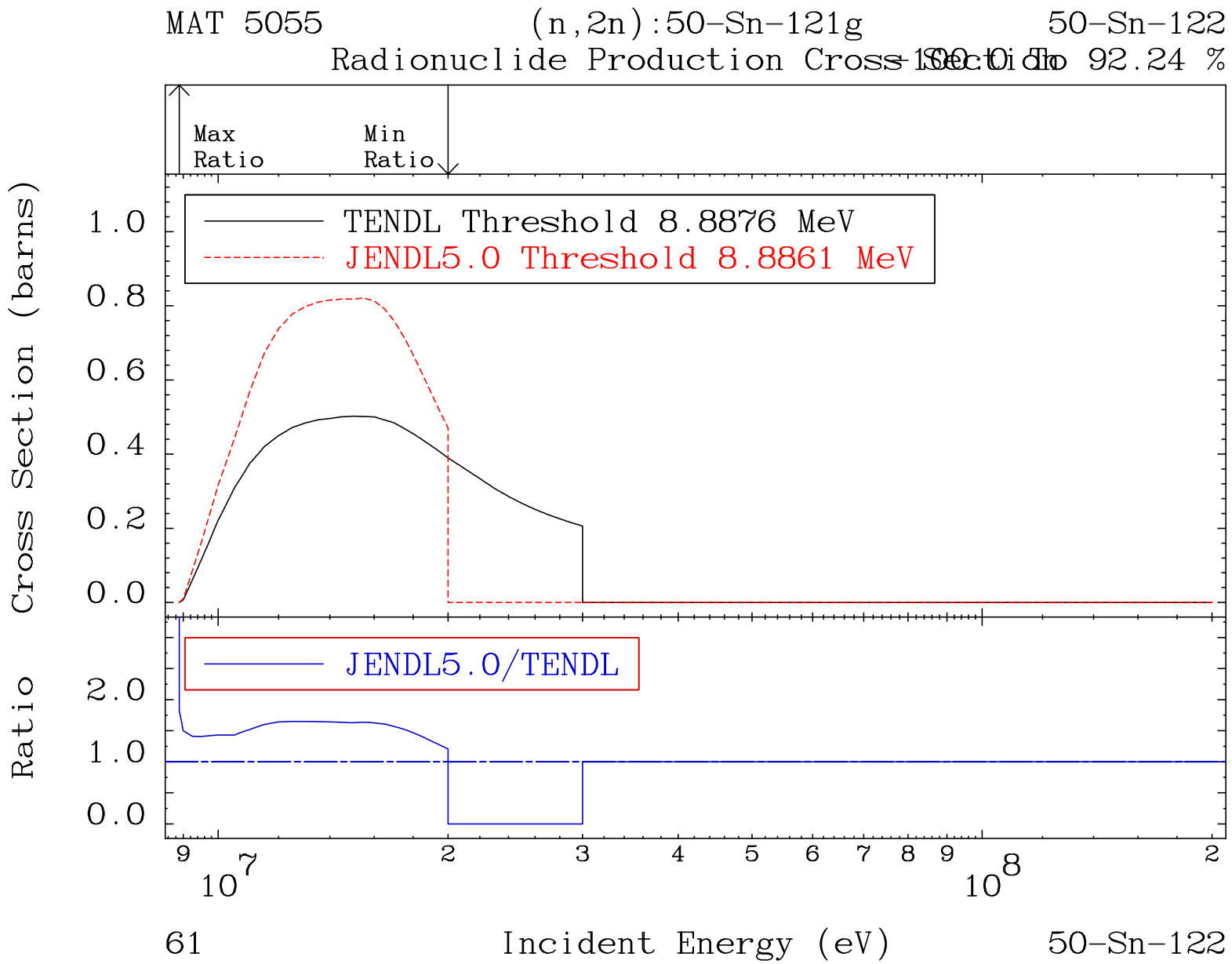

MAT 5055 Total kinematic kerma (high limit) 50-Sn-122
Cross Section -99.20 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
56
50-Sn-122

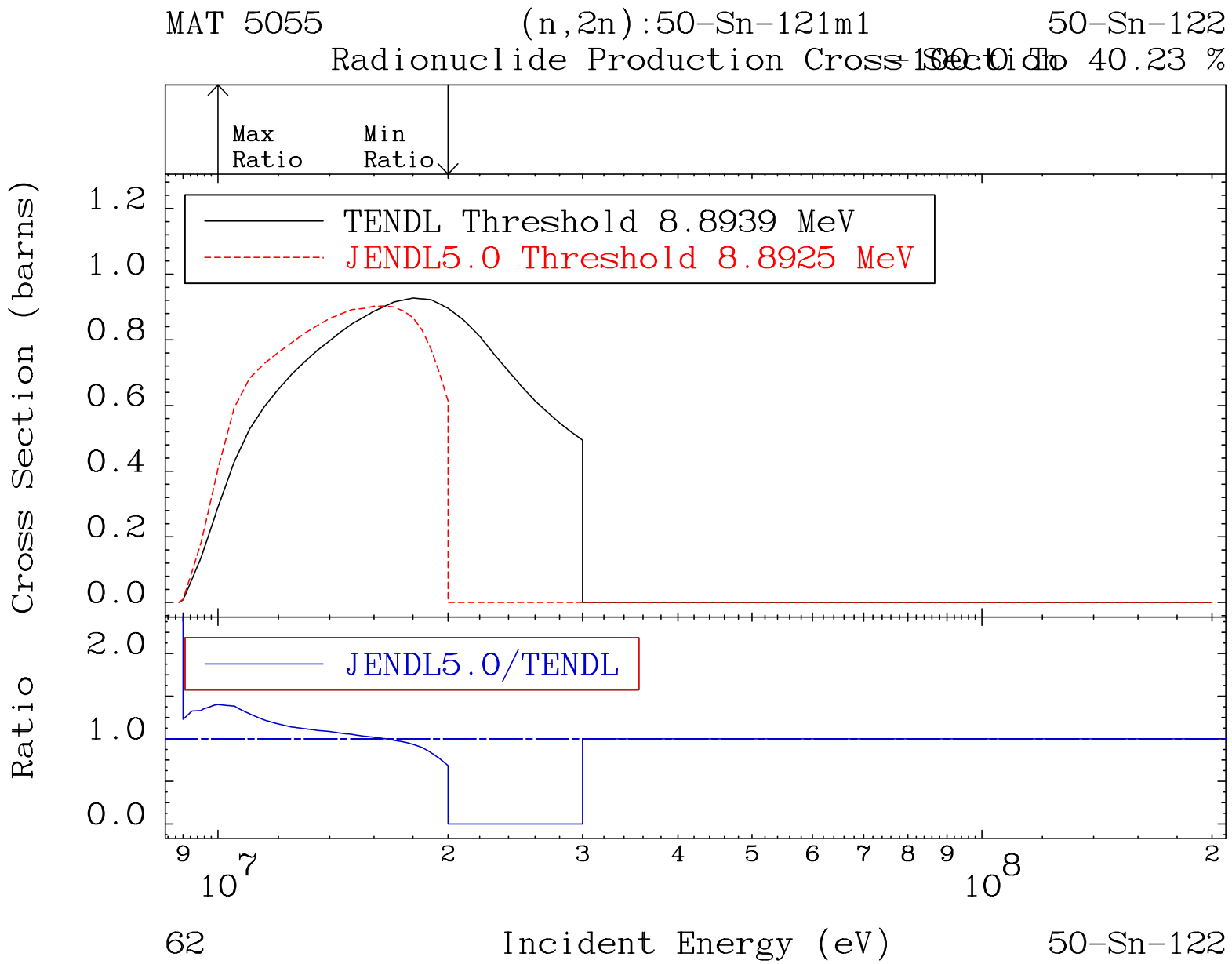

MAT 5055
Dpa total (eV-barns)
50-Sn-122
Cross Section -99.20 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
57
50-Sn-122

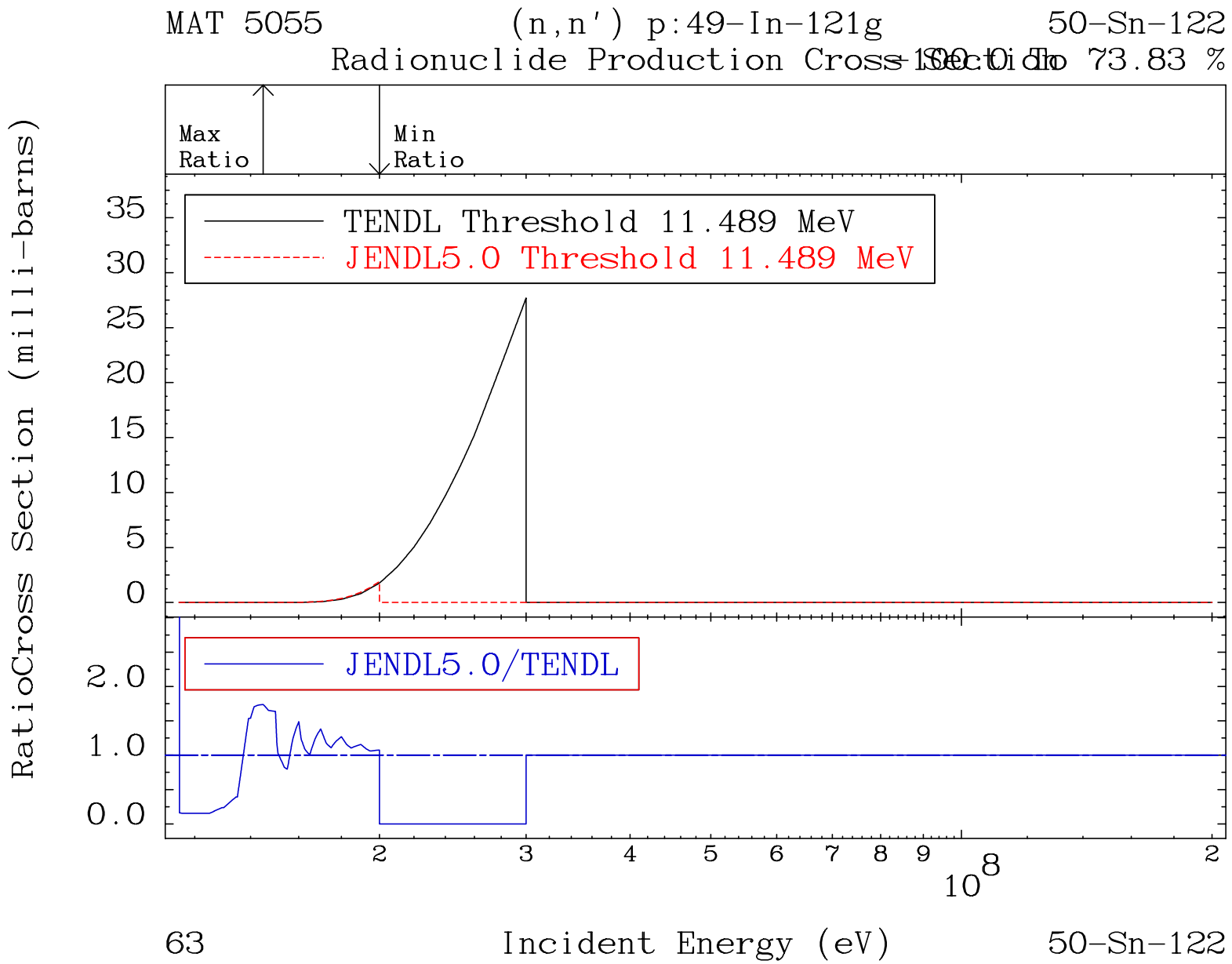

MAT 5055
Dpa elastic (mt2)
Cross Section
50-Sn-122
-99.73 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 750.00 eV
JENDL5.0 Threshold 750.00 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
50-Sn-122

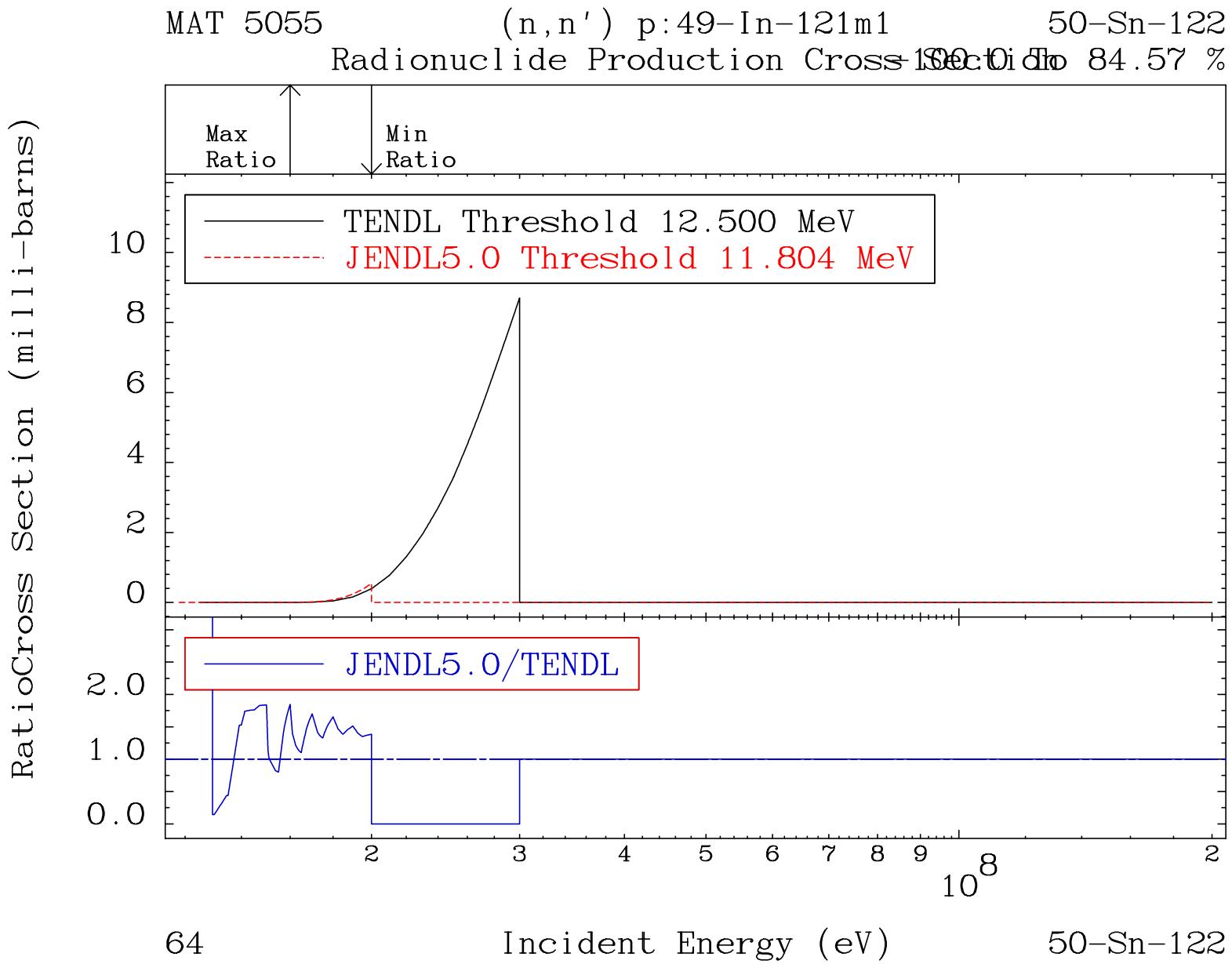

MAT 5055
Dpa inelastic (mt51-91)
50-Sn-122
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.1499 MeV
JENDL5.0 Threshold 105.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
59
50-Sn-122

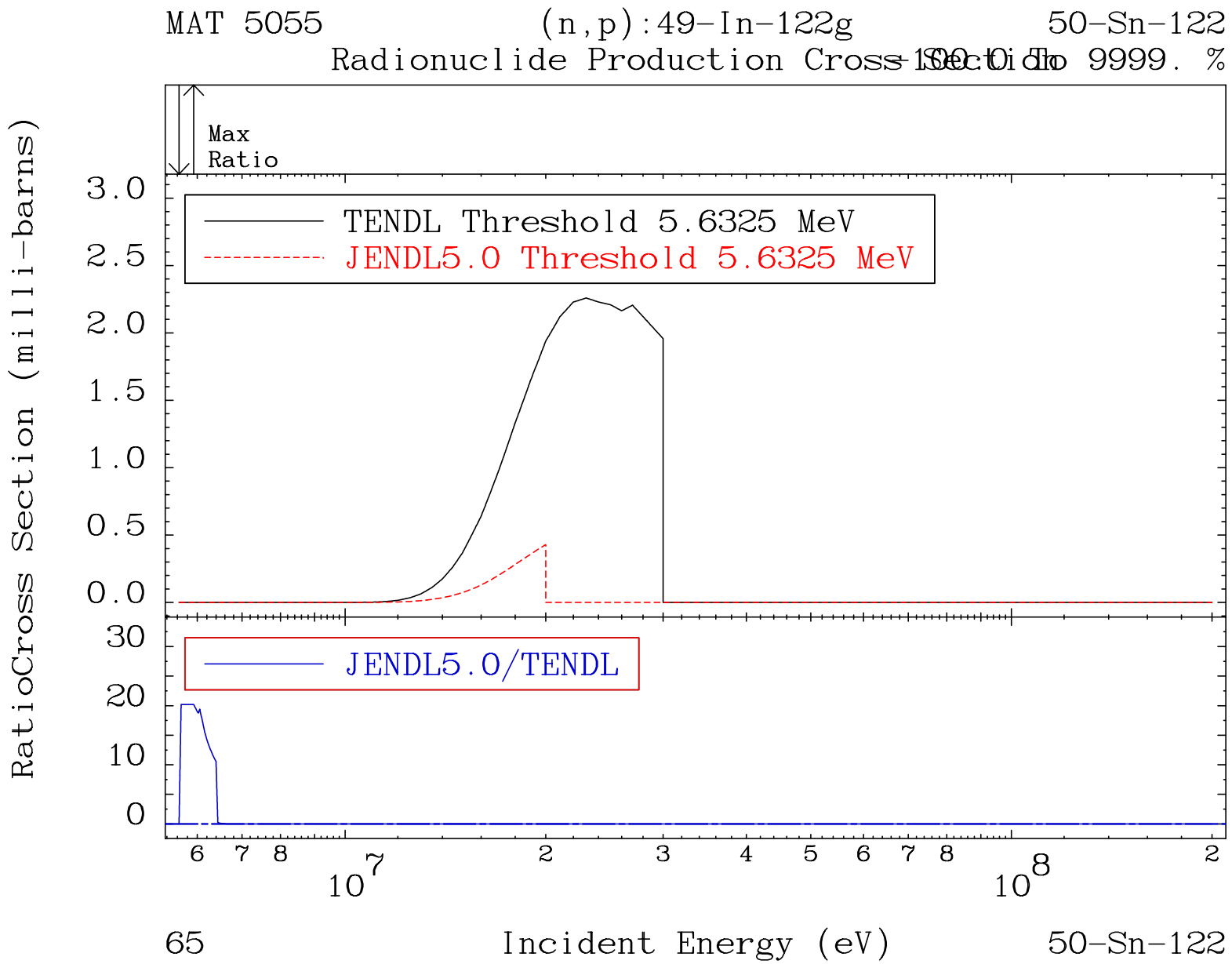

MAT 5055 Dpa disappearance (mt102 -120) 50-Sn-122
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
1.0
0.0
Incident Energy (eV)
60
50-Sn-122

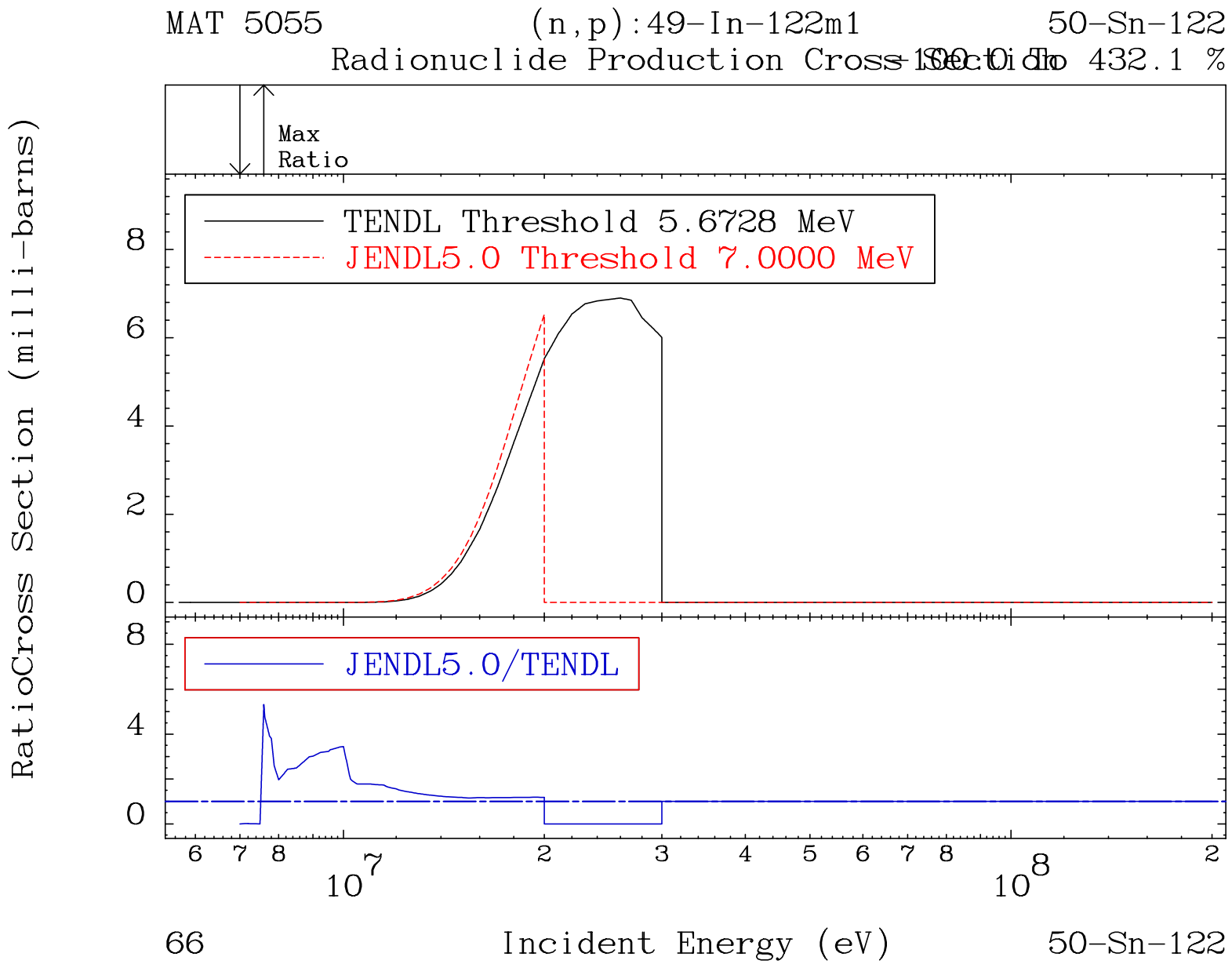

MAT 5055
(n,2n):50-Sn-121g
50-Sn-122
Radionuclide Production Cross Section To 92.24 %
Max Ratio
Min Ratio
TENDL Threshold 8.8876 MeV
JENDL5.0 Threshold 8.8861 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
61
Incident Energy (eV)
50-Sn-122

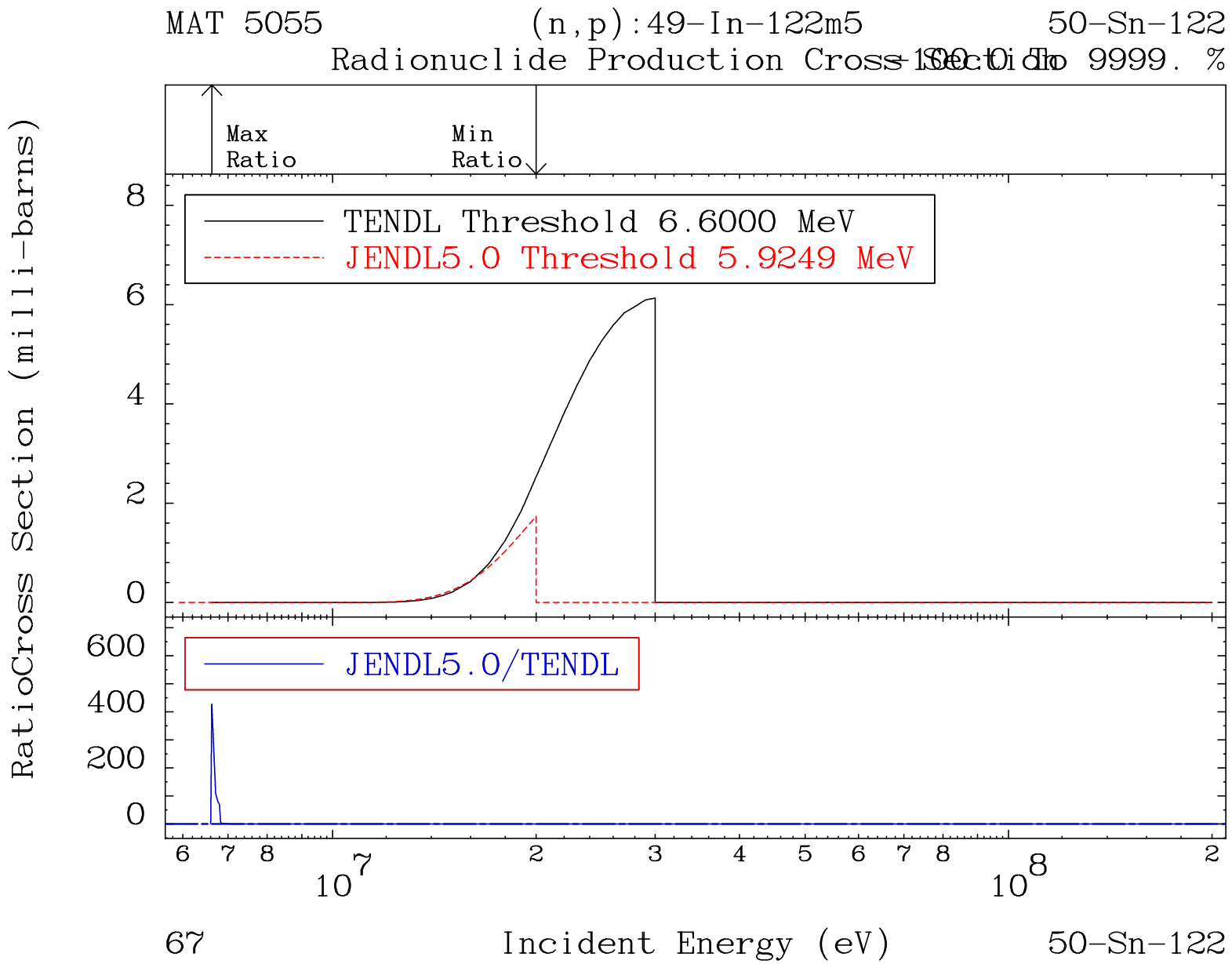

MAT 5055
(n,2n):50-Sn-121m1
50-Sn-122
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 8.8939 MeV
JENDL5.0 Threshold 8.8925 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
50-Sn-122

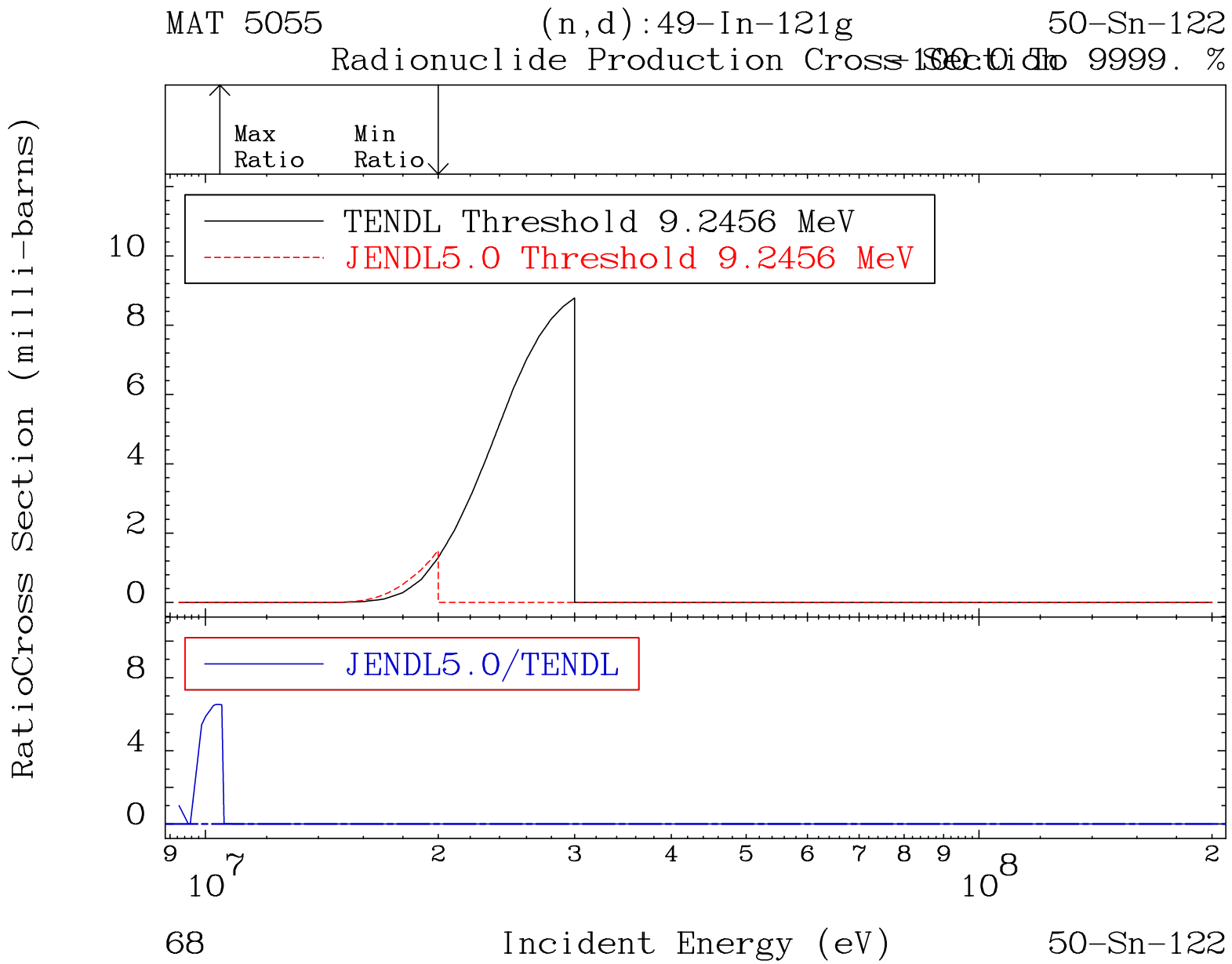

MAT 5055
(n,n') p:49-In-121g
50-Sn-122
Radionuclide Production Cross Section To 73.83 %
Max Ratio
Min Ratio
TENDL Threshold 11.489 MeV
JENDL5.0 Threshold 11.489 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
63
Incident Energy (eV)
50-Sn-122

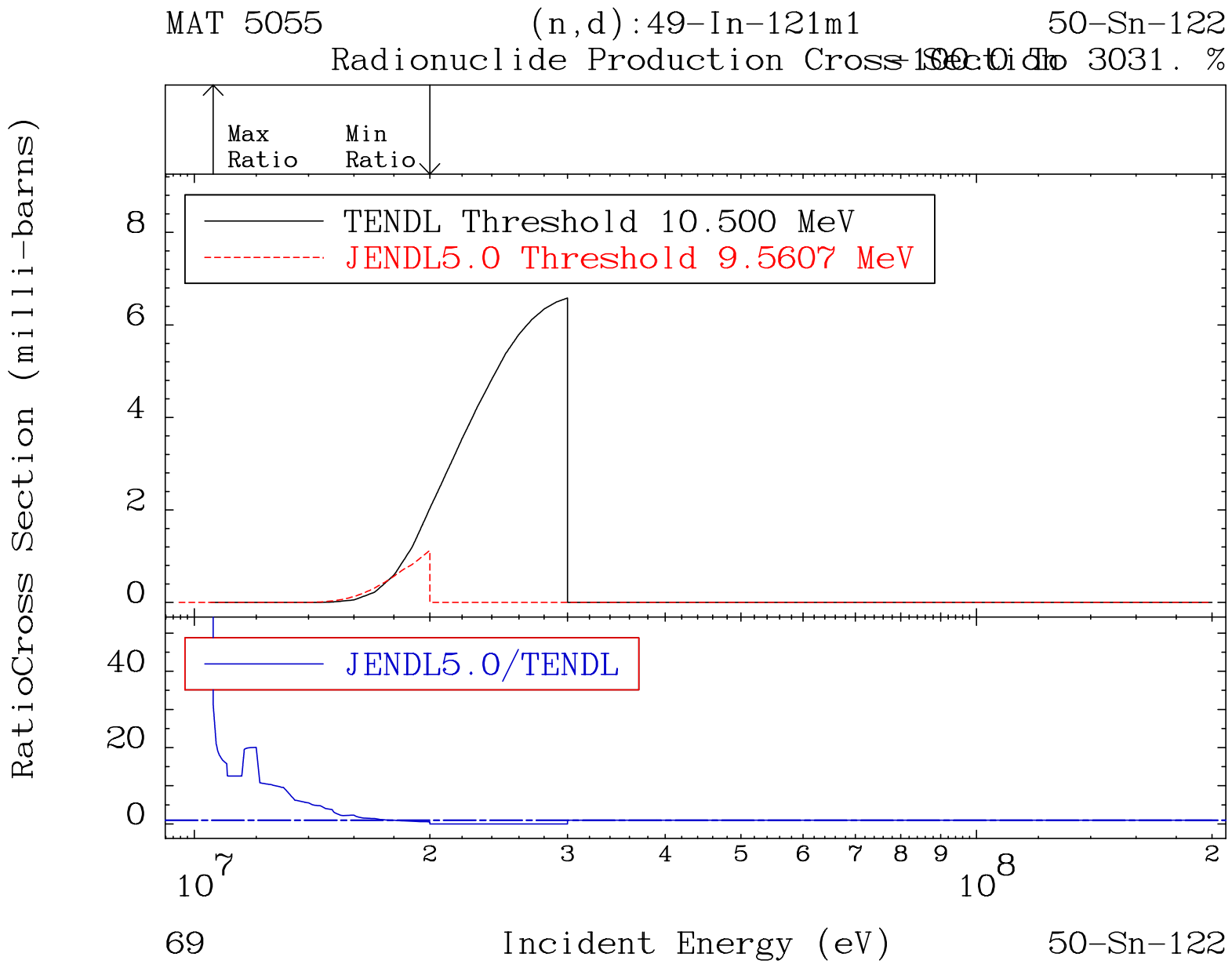

MAT 5055
(n,n') p:49-In-121m1
50-Sn-122
Radionuclide Production Cross Section To 84.57 %
Max Ratio
Min Ratio
TENDL Threshold 12.500 MeV
JENDL5.0 Threshold 11.804 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
64
Incident Energy (eV)
50-Sn-122

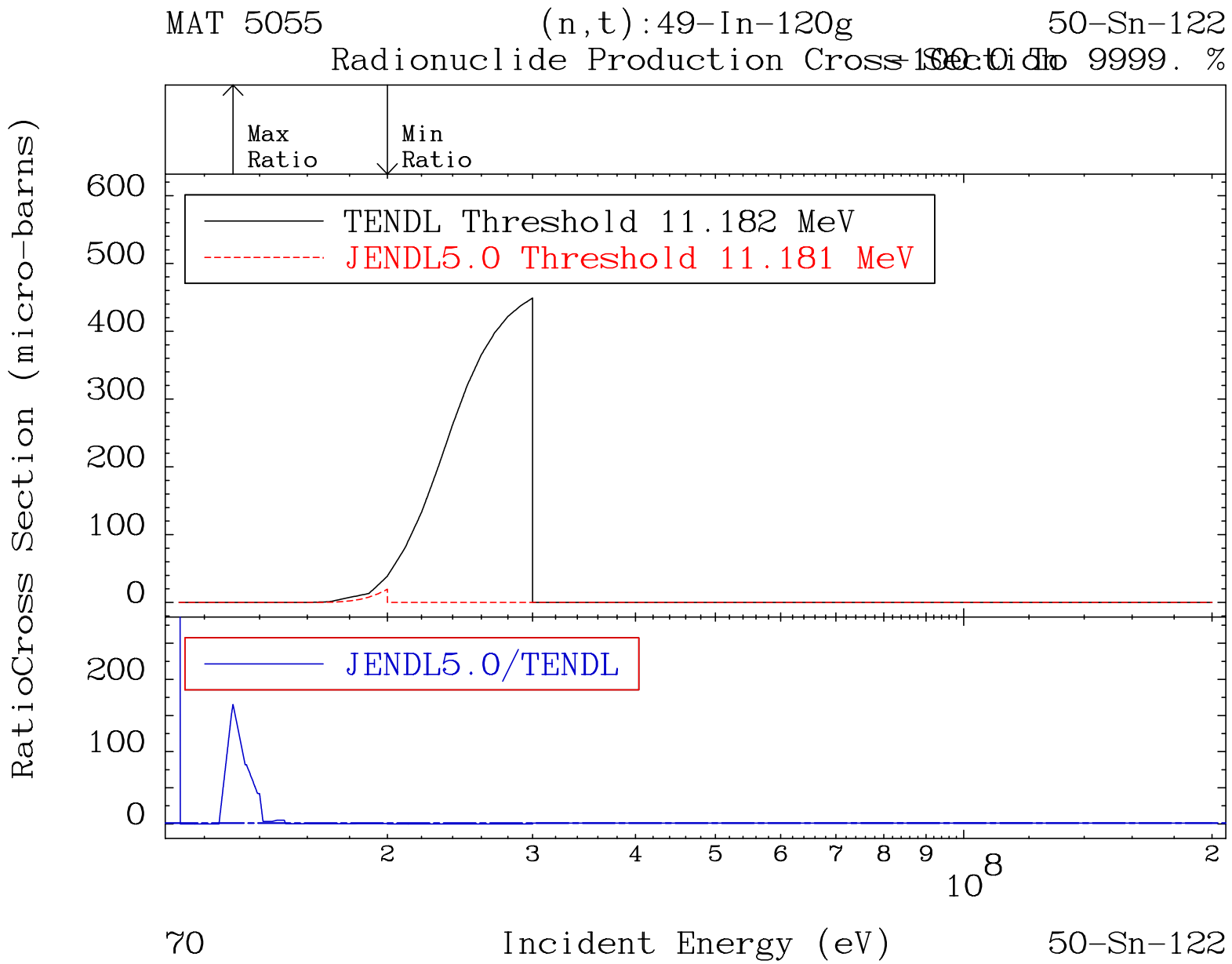

MAT 5055
(n,p):49-In-122g
50-Sn-122
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 5.6325 MeV
JENDL5.0 Threshold 5.6325 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
65
50-Sn-122

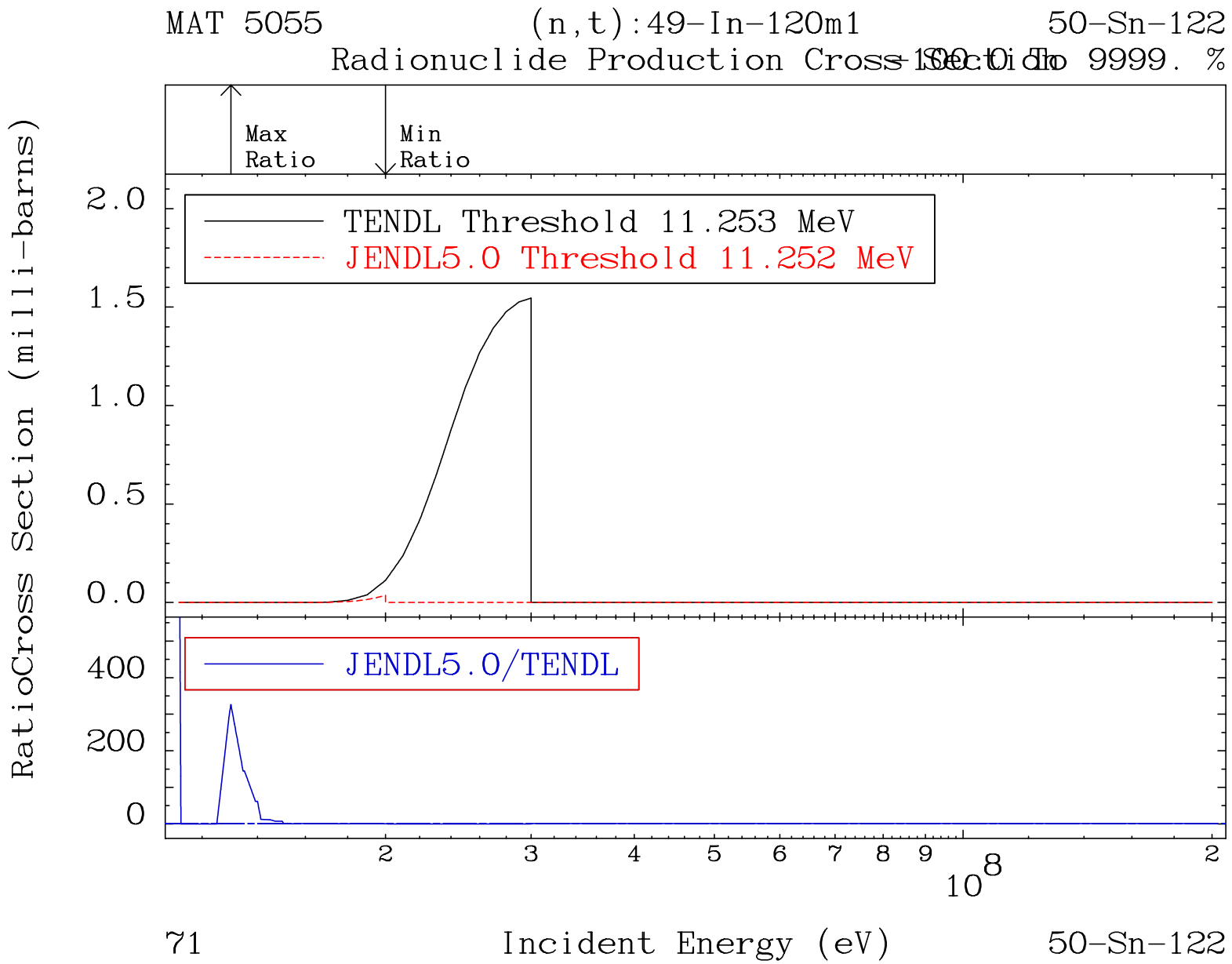

MAT 5055
(n,p):49-In-122m1
50-Sn-122
Radionuclide Production Cross Section
Max Ratio
TENDL Threshold 5.6728 MeV
JENDL5.0 Threshold 7.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
66
50-Sn-122

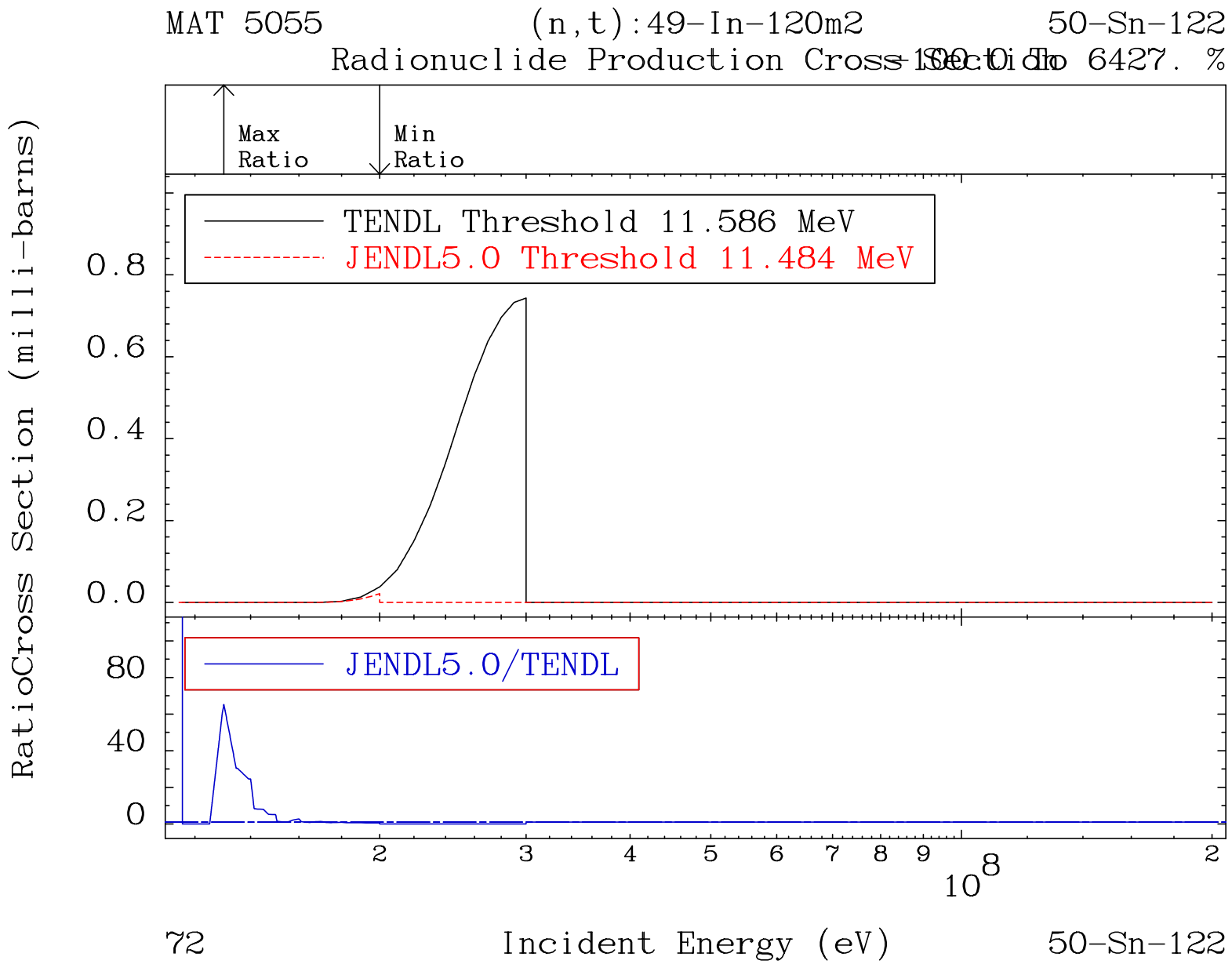

MAT 5055
(n,p):49-In-122m5
50-Sn-122
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 6.6000 MeV
JENDL5.0 Threshold 5.9249 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
67
50-Sn-122

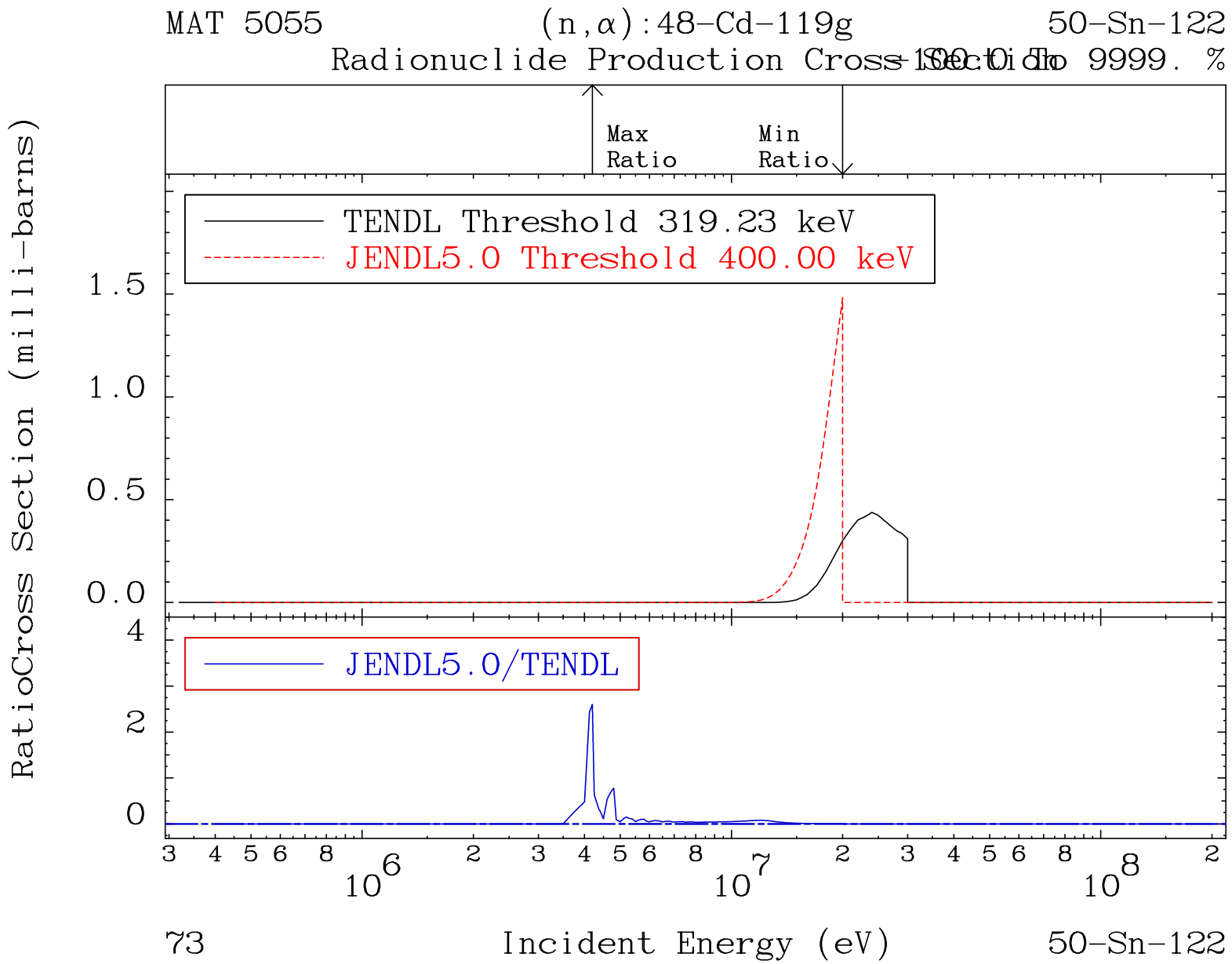

MAT 5055
(n,d):49-In-121g
50-Sn-122
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 9.2456 MeV
JENDL5.0 Threshold 9.2456 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
68
50-Sn-122

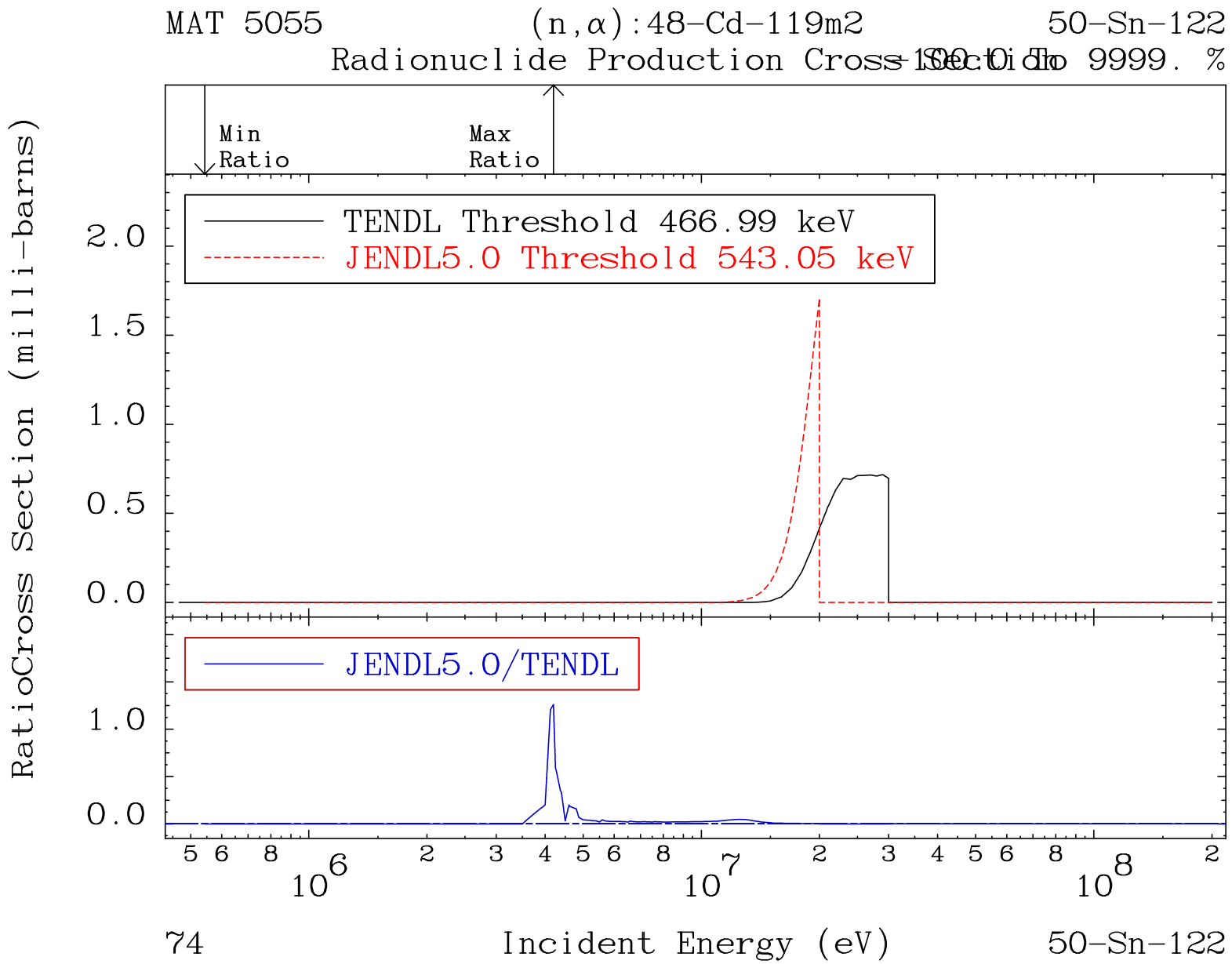

MAT 5055
(n,d):49-In-121m1
50-Sn-122
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 10.500 MeV
JENDL5.0 Threshold 9.5607 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
69
50-Sn-122


MAT 5055
(n,t):49-In-120g
50-Sn-122
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 11.182 MeV
JENDL5.0 Threshold 11.181 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
600
500
400
300
200
100
0
200
100
0
2
3
4
5
6
7
8
9
2
10^8
70
Incident Energy (eV)
50-Sn-122


MAT 5055
(n,t):49-In-120m1
50-Sn-122
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 11.253 MeV
JENDL5.0 Threshold 11.252 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
71
50-Sn-122


MAT 5055
(n,t):49-In-120m2
50-Sn-122
Radionuclide Production Cross Section To 6427. %
Max Ratio
Min Ratio
TENDL Threshold 11.586 MeV
JENDL5.0 Threshold 11.484 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
0.8
0.6
0.4
0.2
0.0
80
40
0
2
3
4
5
6
7
8
9
2
10^8
72
Incident Energy (eV)
50-Sn-122


MAT 5055
(n,α):48-Cd-119g
50-Sn-122
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 319.23 keV
JENDL5.0 Threshold 400.00 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.5
1.0
0.5
0.0
4
2
0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
73
Incident Energy (eV)
50-Sn-122


MAT 5055
(n,α):48-Cd-119m2
50-Sn-122
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 466.99 keV
JENDL5.0 Threshold 543.05 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
1.0
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
74
Incident Energy (eV)
50-Sn-122