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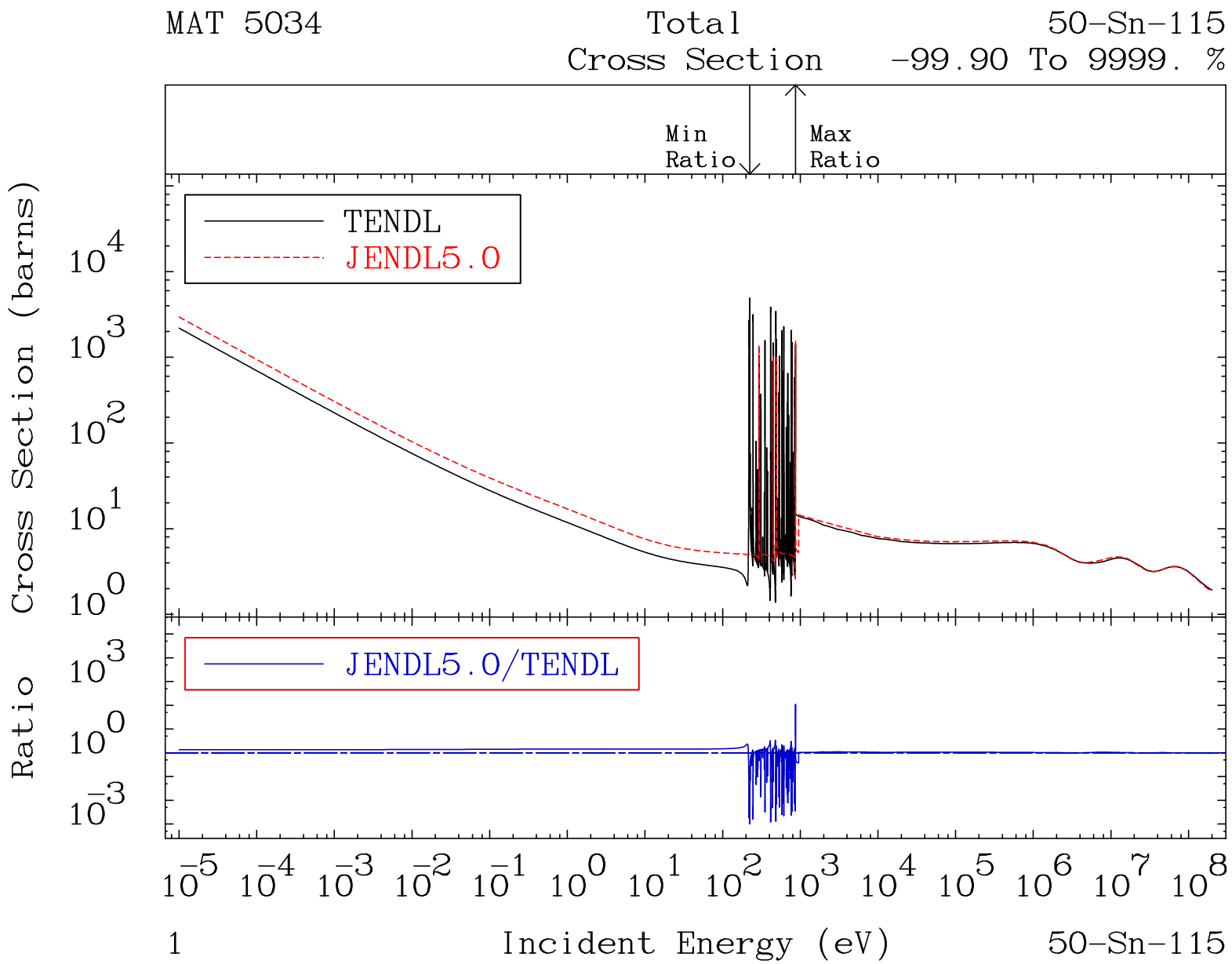
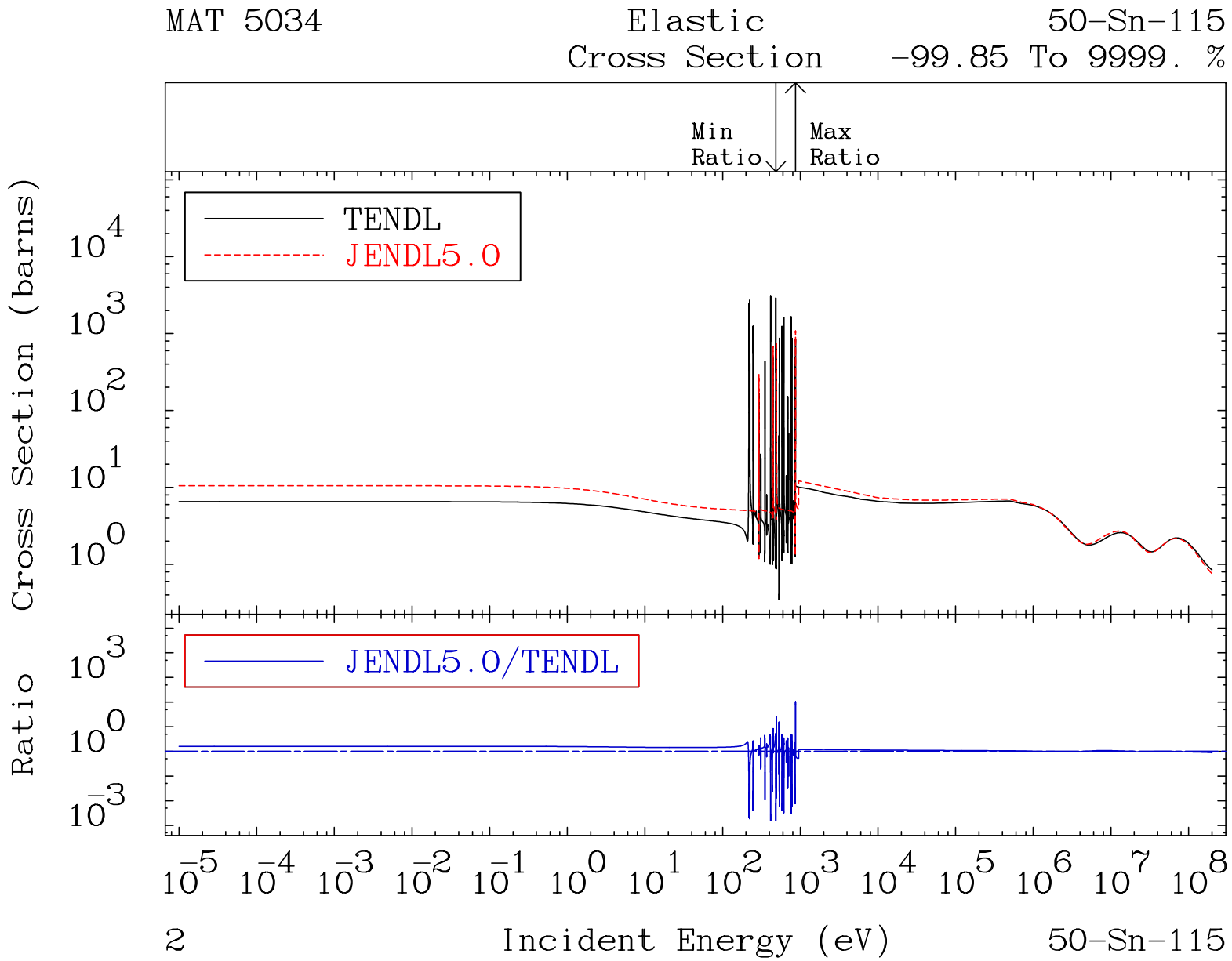
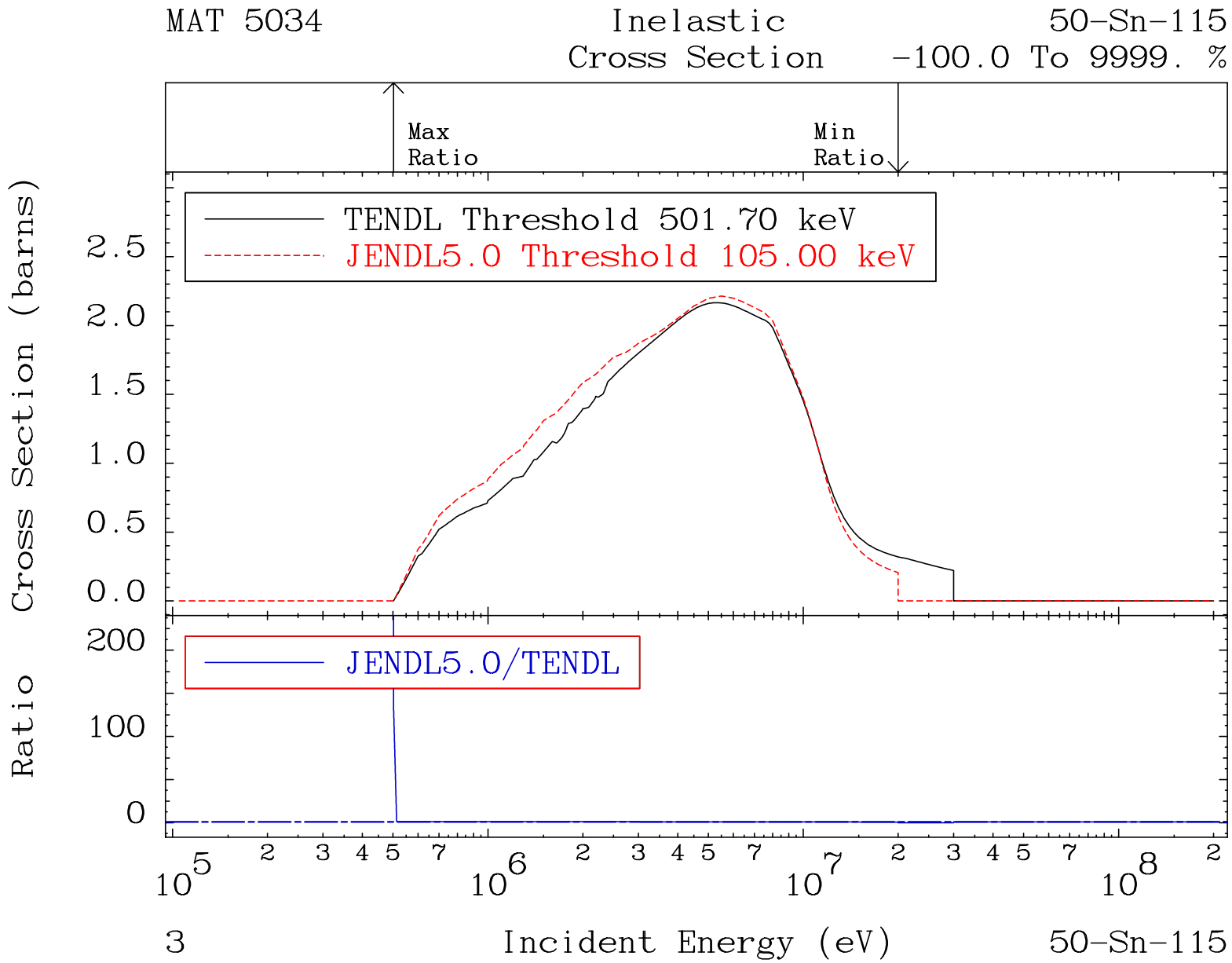
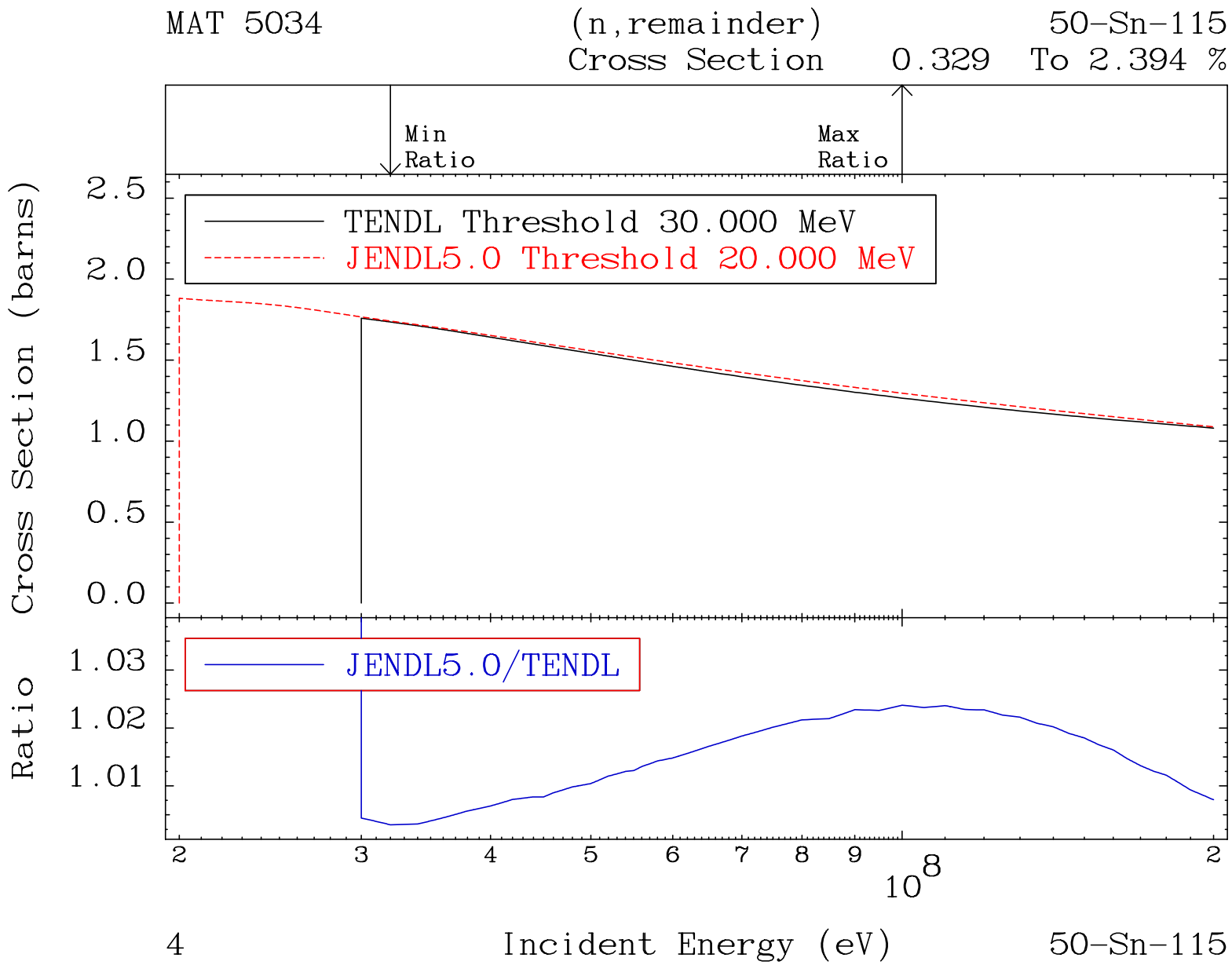
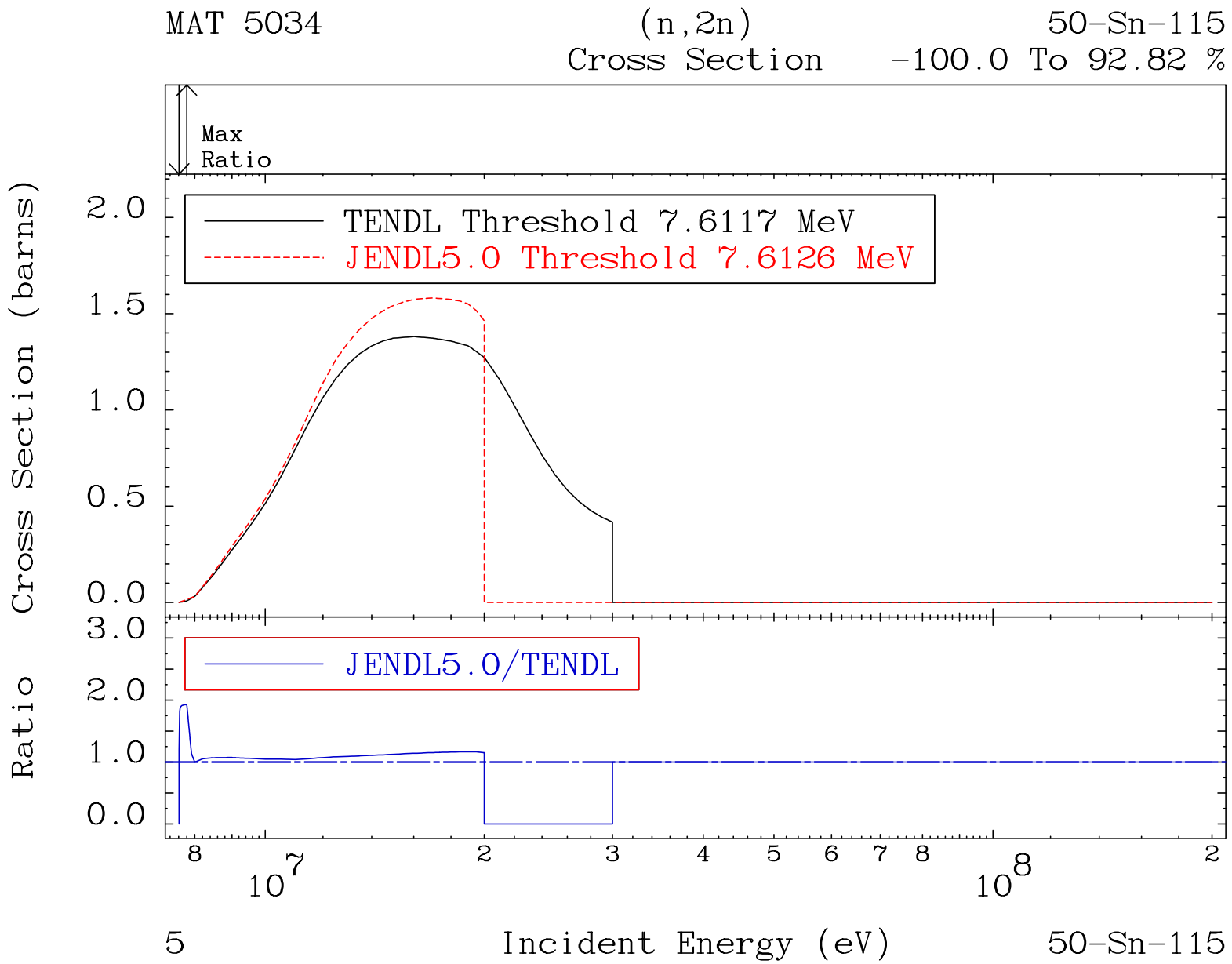
Press Mouse Button to Start

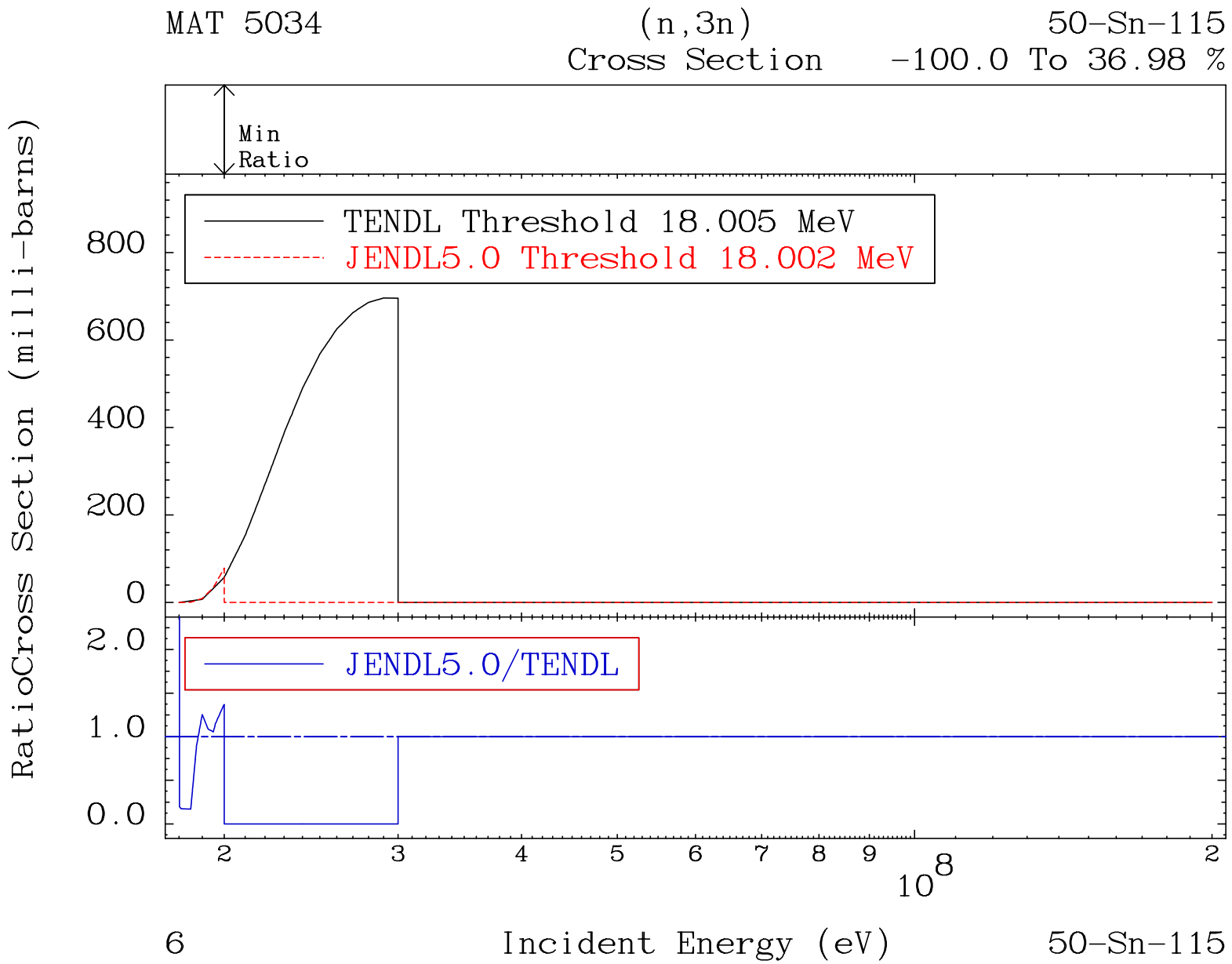

MAT 5034
Total
Cross Section
50-Sn-115
-99.90 To 9999. %
Min
Ratio
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
1
50-Sn-115

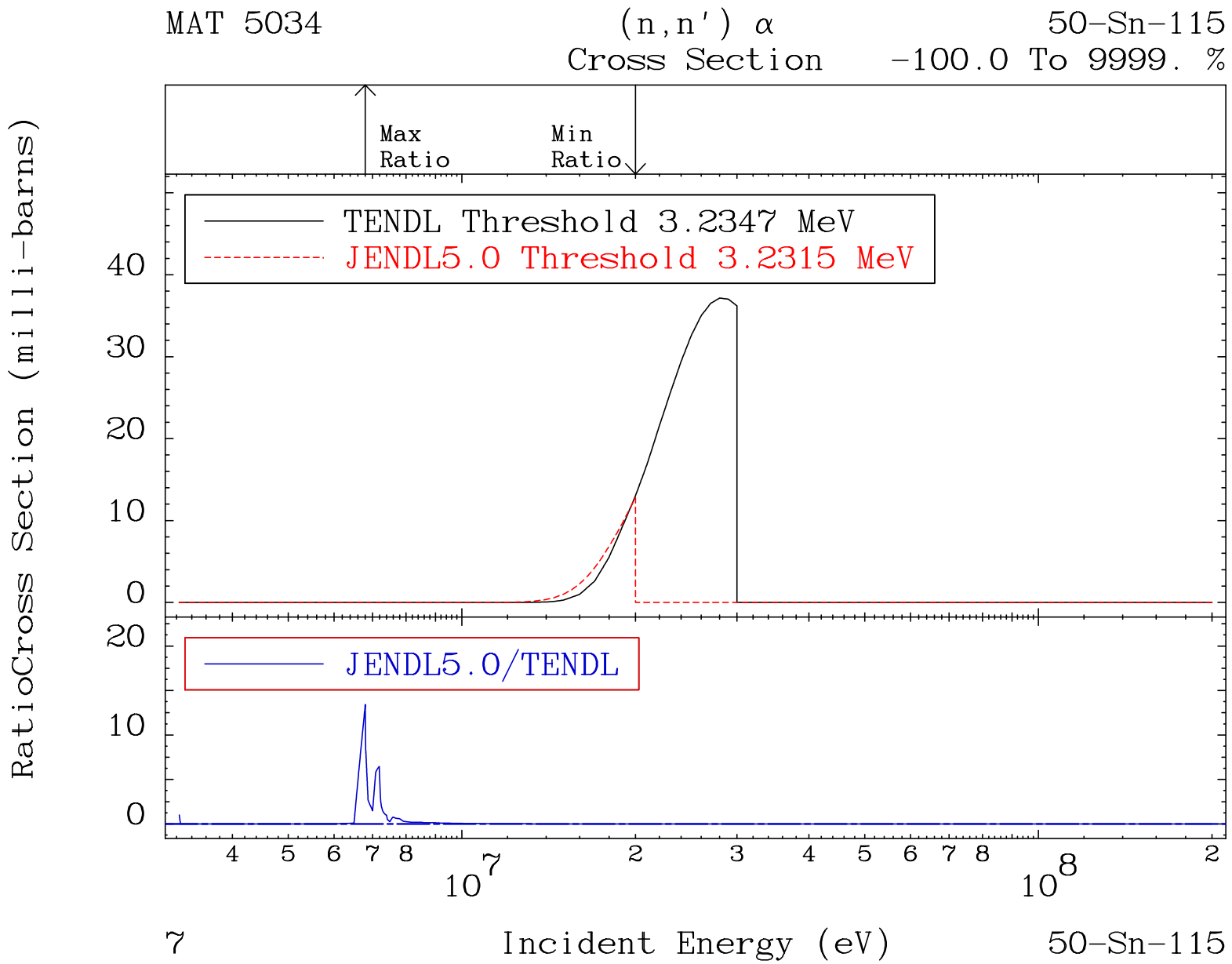

MAT 5034
Elastic
Cross Section
50-Sn-115
-99.85 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
50-Sn-115

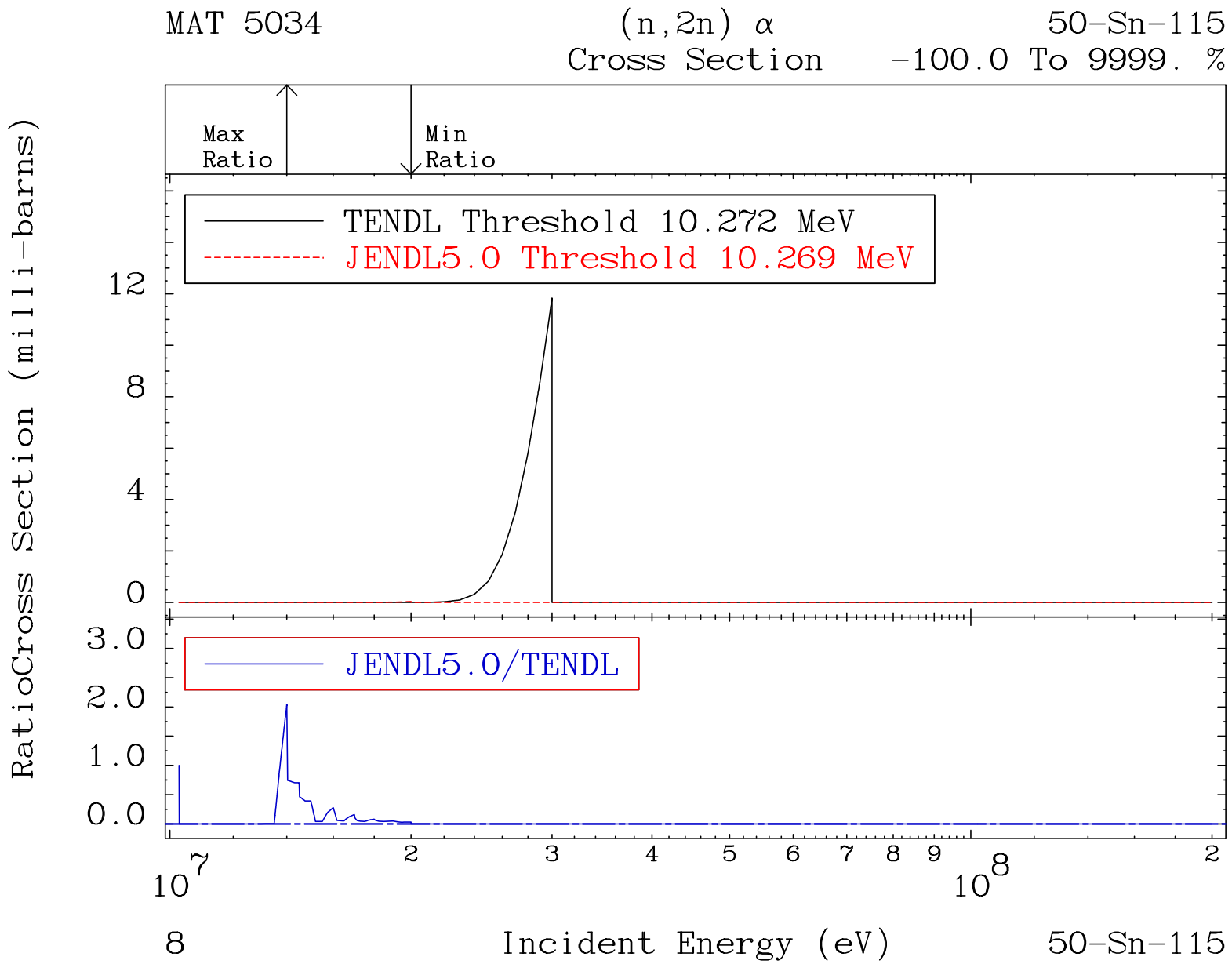

MAT 5034
Inelastic
Cross Section
50-Sn-115
-100.0 To 9999. %
Max
Ratio
Min
Ratio
TENDL Threshold 501.70 keV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
200
100
0
10^5
10^6
10^7
10^8
2 3 4 5 7
Incident Energy (eV)
3
50-Sn-115

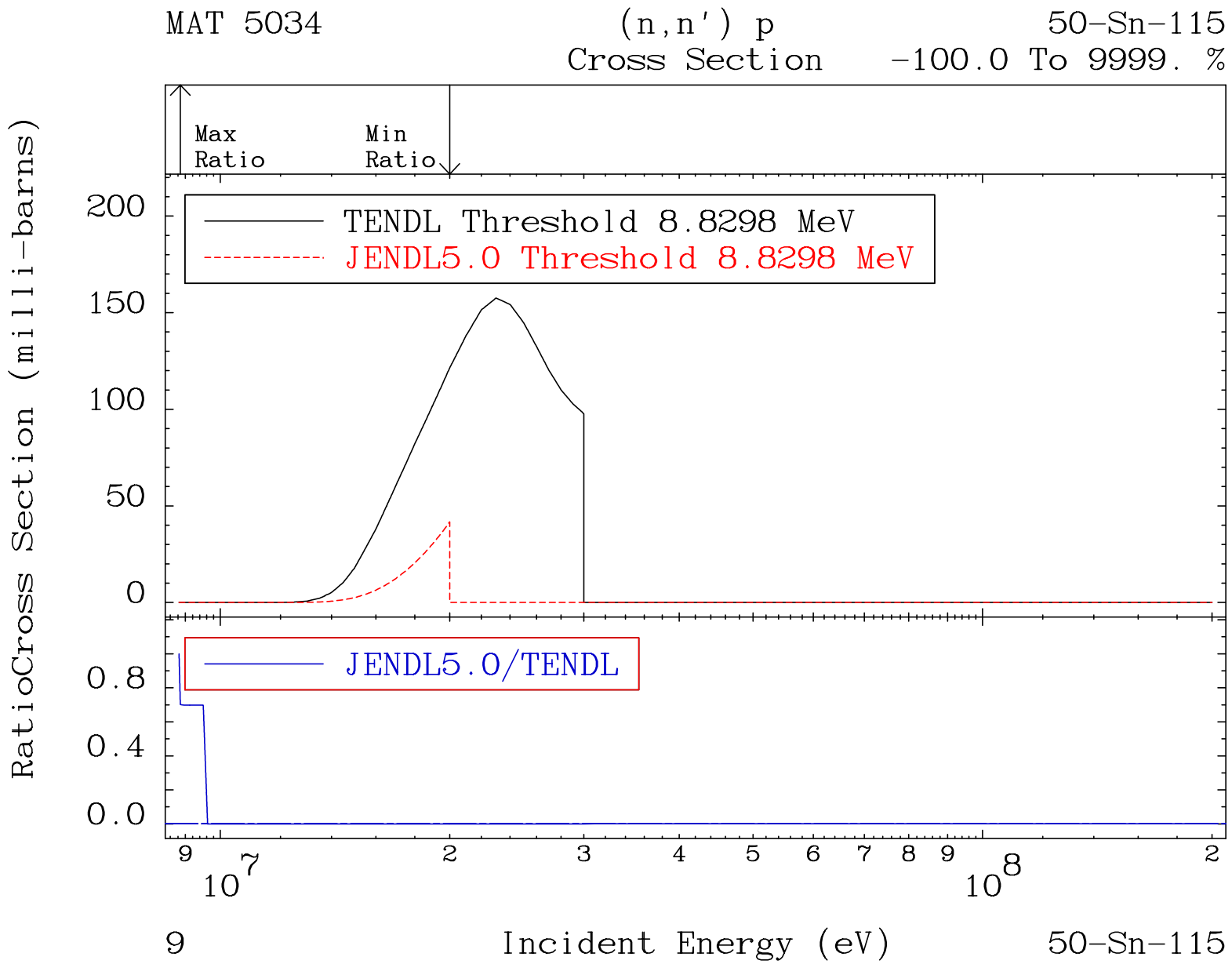

MAT 5034
(n,remainder)
50-Sn-115
Cross Section 0.329 To 2.394 %
Min Ratio
Max Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
1.03
1.02
1.01
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
50-Sn-115

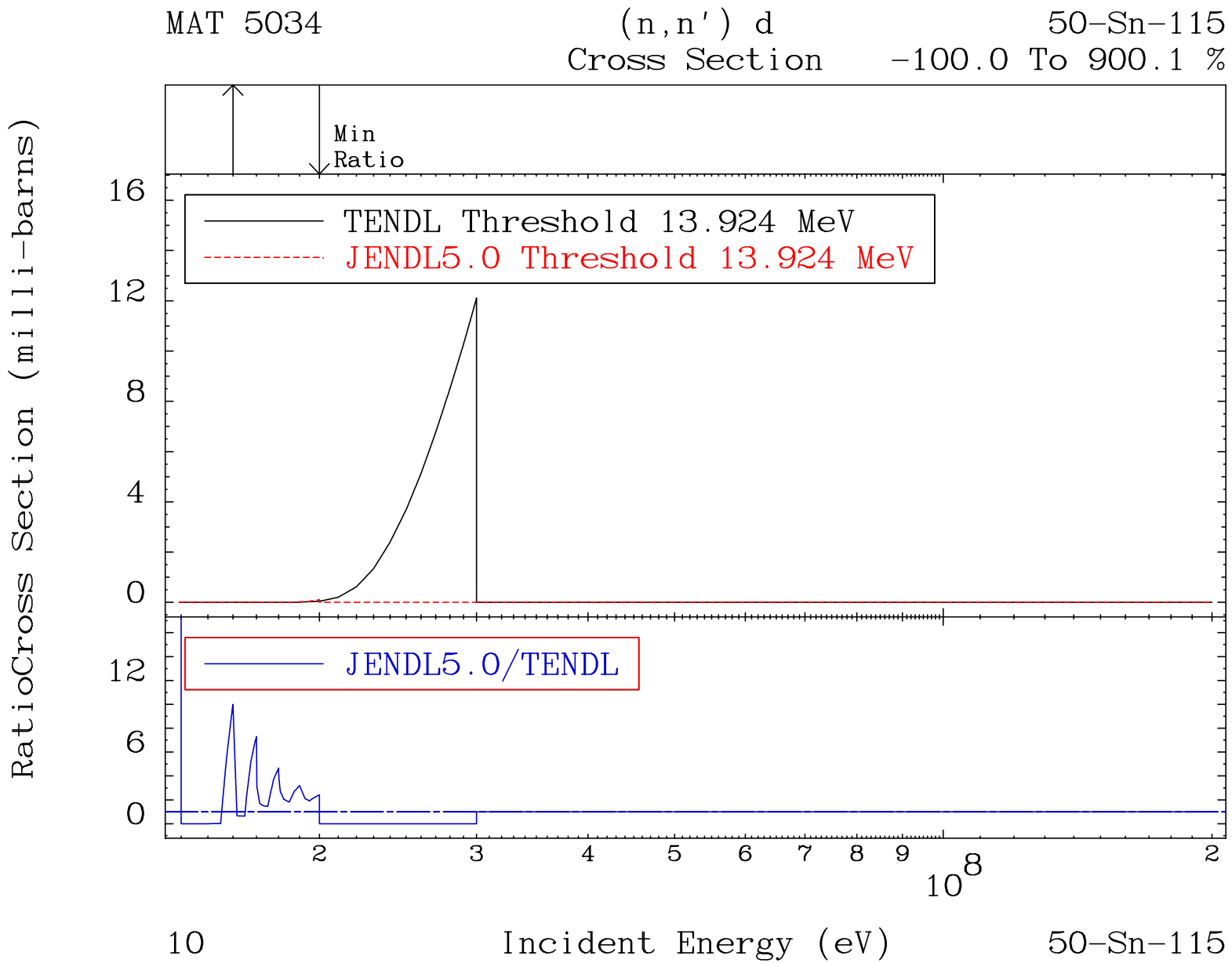

MAT 5034
(n,2n)
Cross Section
50-Sn-115
-100.0 To 92.82 %
Max
Ratio
TENDL Threshold 7.6117 MeV
JENDL5.0 Threshold 7.6126 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
3.0
2.0
1.0
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
5
Incident Energy (eV)
50-Sn-115

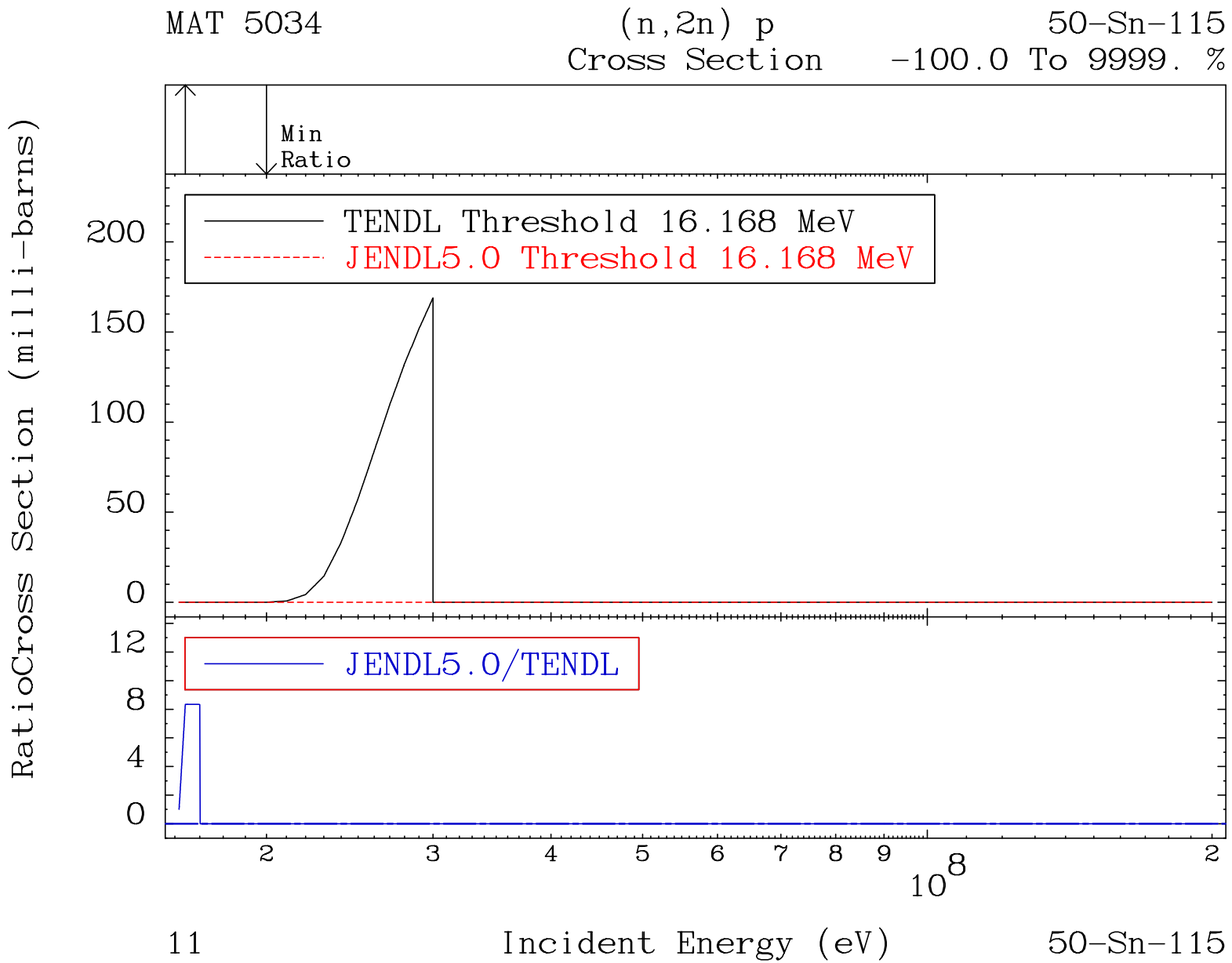

MAT 5034
(n,3n)
50-Sn-115
Cross Section
-100.0 To 36.98 %
Min
Ratio
TENDL Threshold 18.005 MeV
JENDL5.0 Threshold 18.002 MeV
800
600
400
200
0
2.0
1.0
0.0
JENDL5.0/TENDL
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (milli-barns)
6
Incident Energy (eV)
50-Sn-115

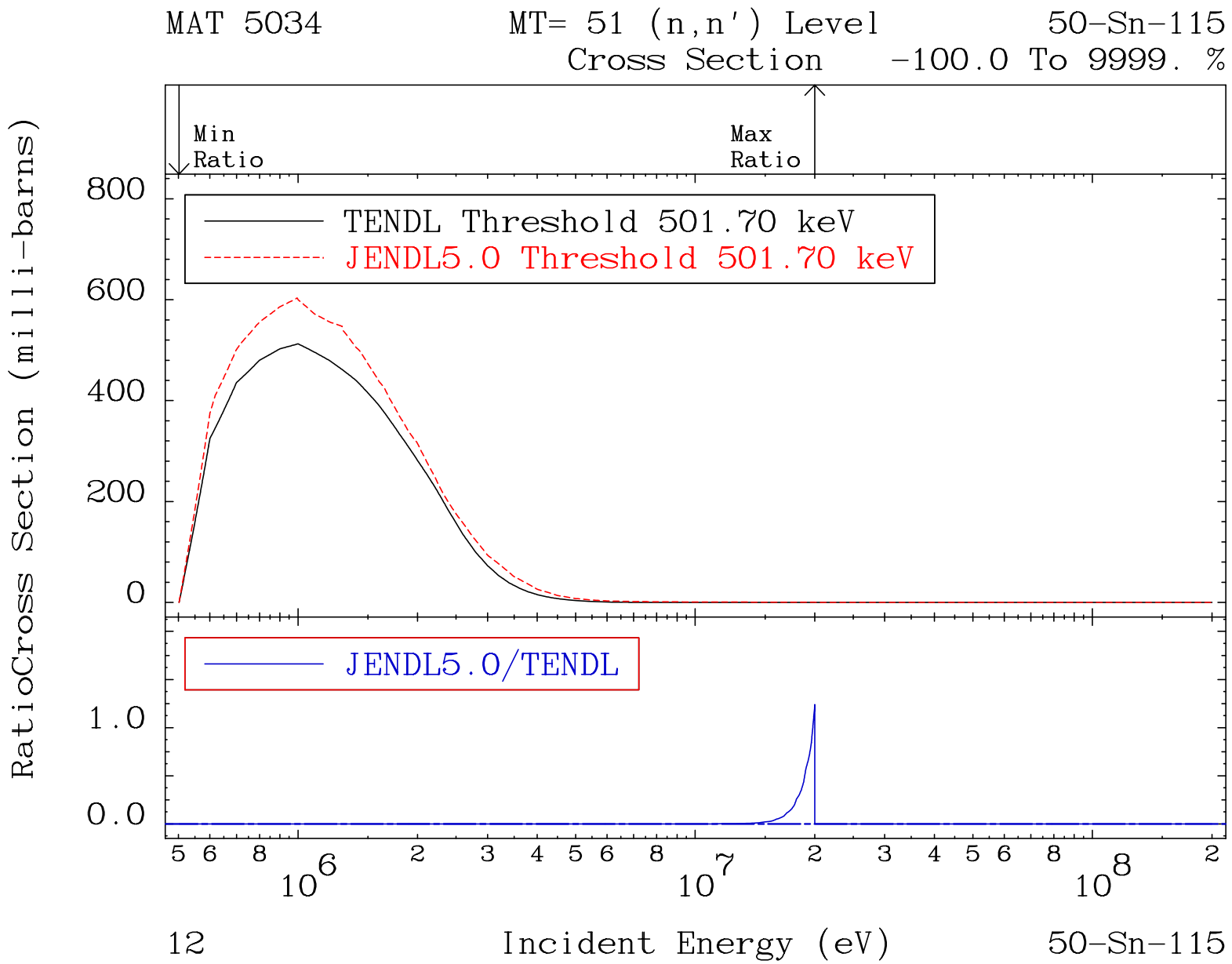

MAT 5034
(n,n') α
Cross Section
50-Sn-115
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.2347 MeV
JENDL5.0 Threshold 3.2315 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
20
10
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
7
Incident Energy (eV)
50-Sn-115

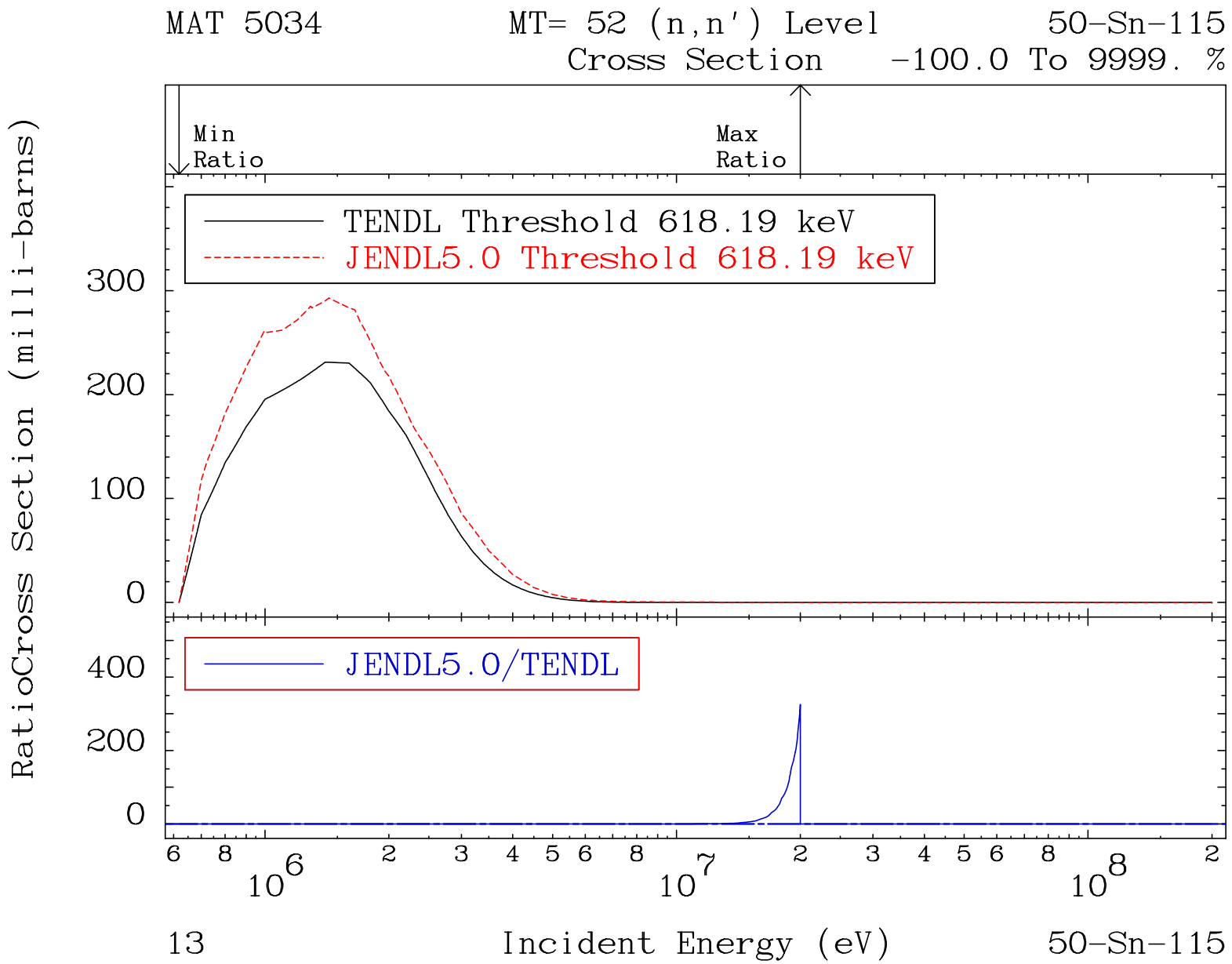

MAT 5034
(n,2n) α
Cross Section
50-Sn-115
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 10.272 MeV
JENDL5.0 Threshold 10.269 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
12
8
4
0
3.0
2.0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
50-Sn-115

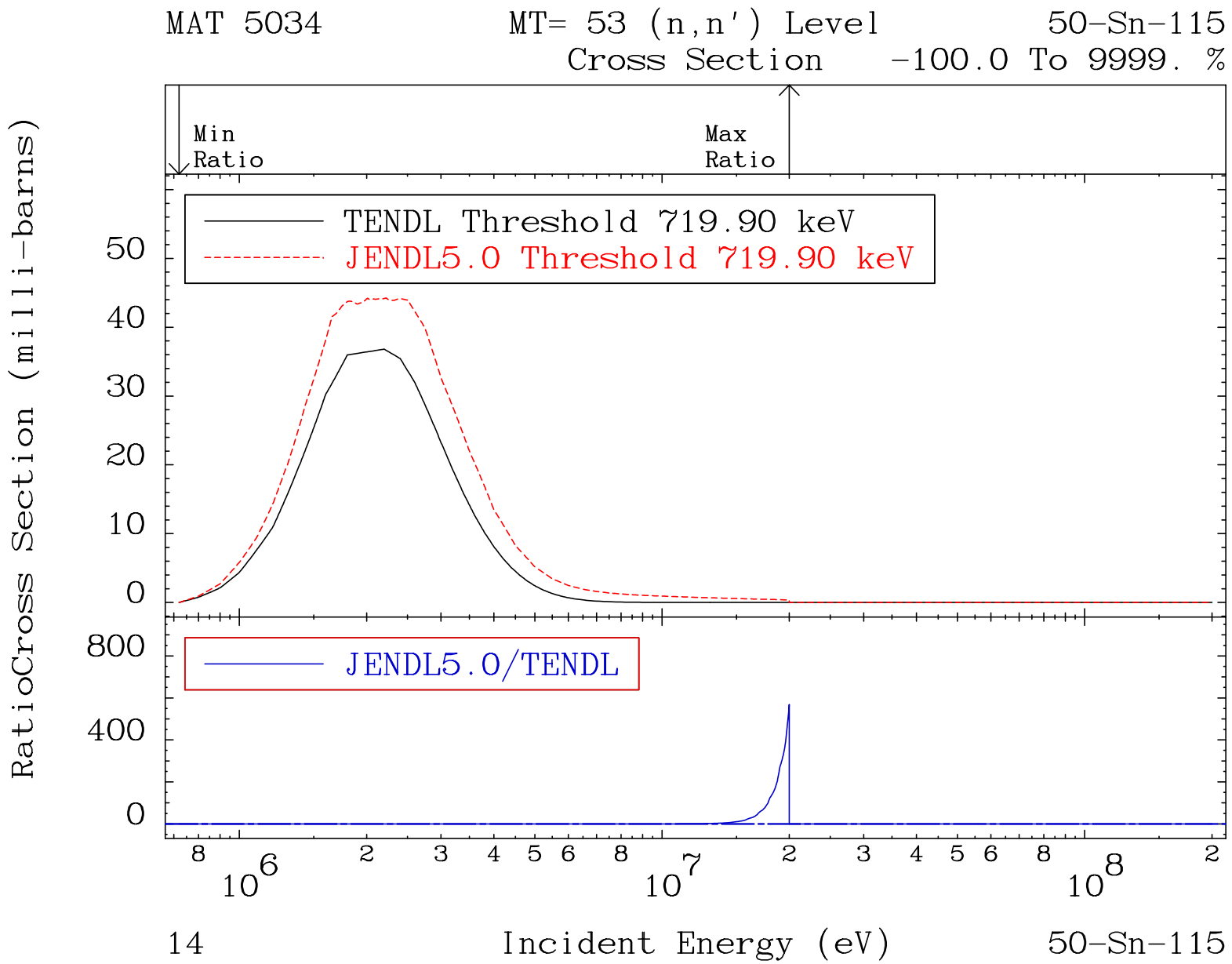

MAT 5034
(n,n') p
Cross Section
50-Sn-115
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 8.8298 MeV
JENDL5.0 Threshold 8.8298 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
0.8
0.4
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
50-Sn-115

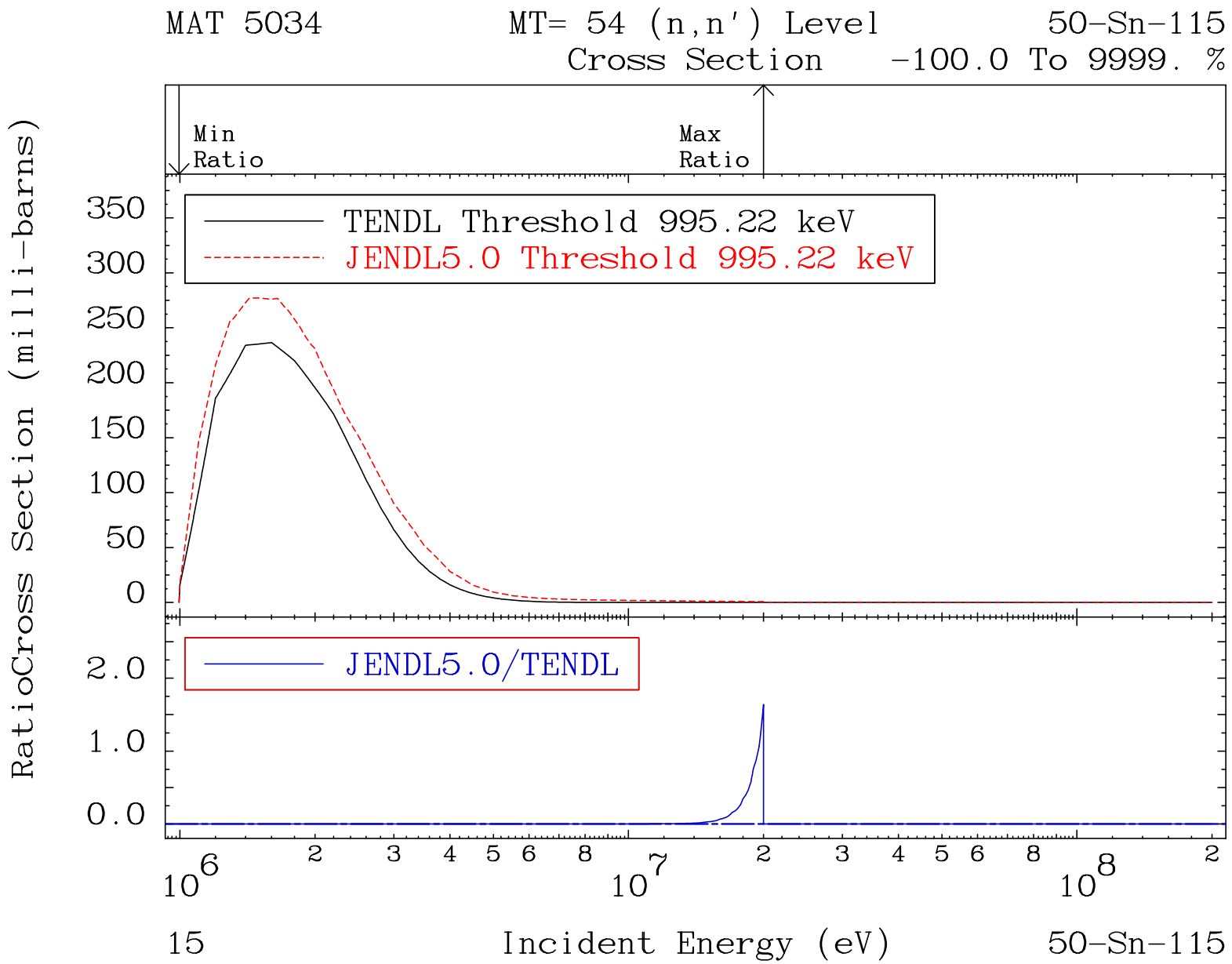

MAT 5034
(n,n') d
Cross Section
50-Sn-115
-100.0 To 900.1 %
Min
Ratio
TENDL Threshold 13.924 MeV
JENDL5.0 Threshold 13.924 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
12
6
0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
50-Sn-115

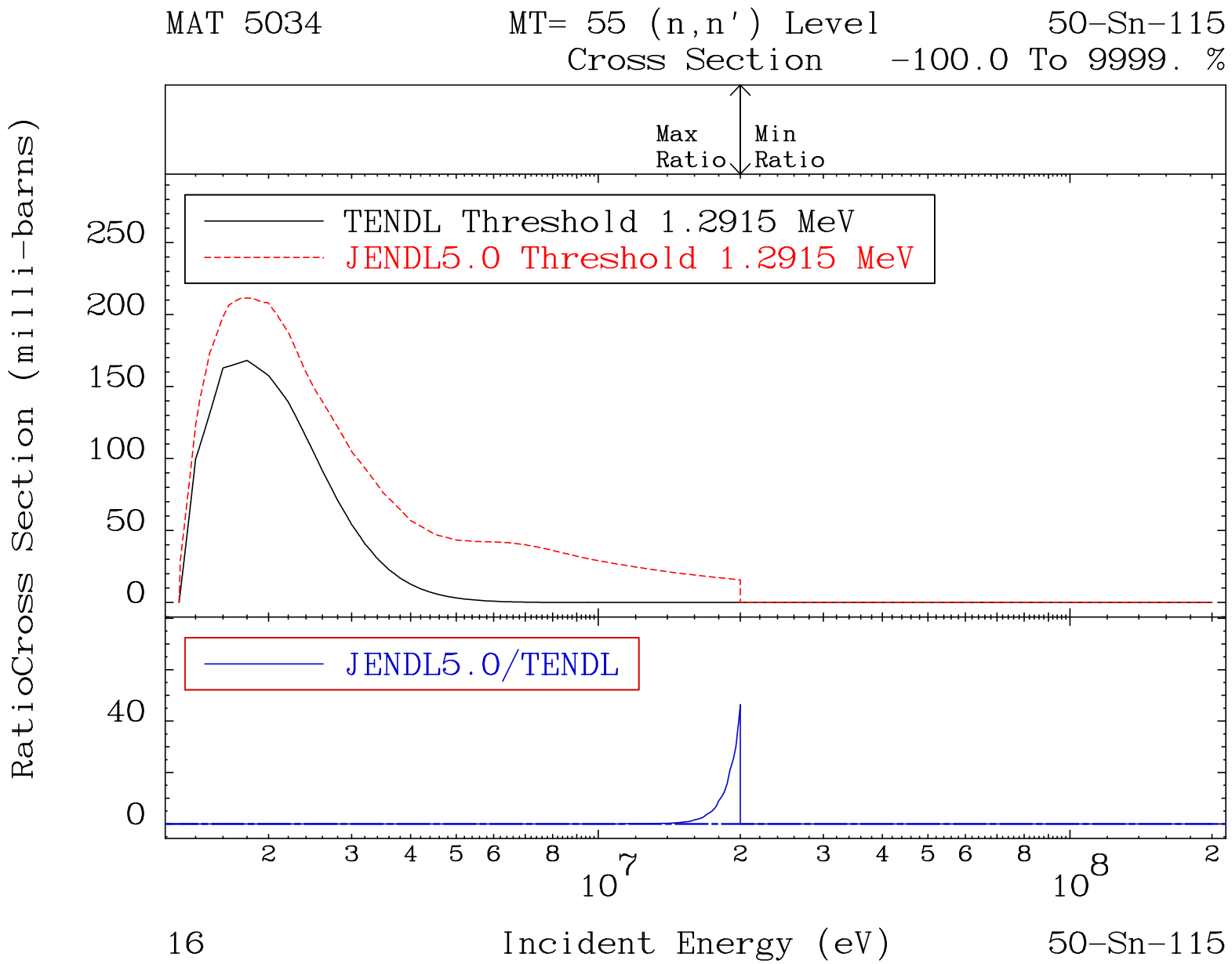

MAT 5034
(n,2n) p
50-Sn-115
Cross Section
-100.0 To 9999. %
Min
Ratio
TENDL Threshold 16.168 MeV
JENDL5.0 Threshold 16.168 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
12
8
4
0
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
50-Sn-115

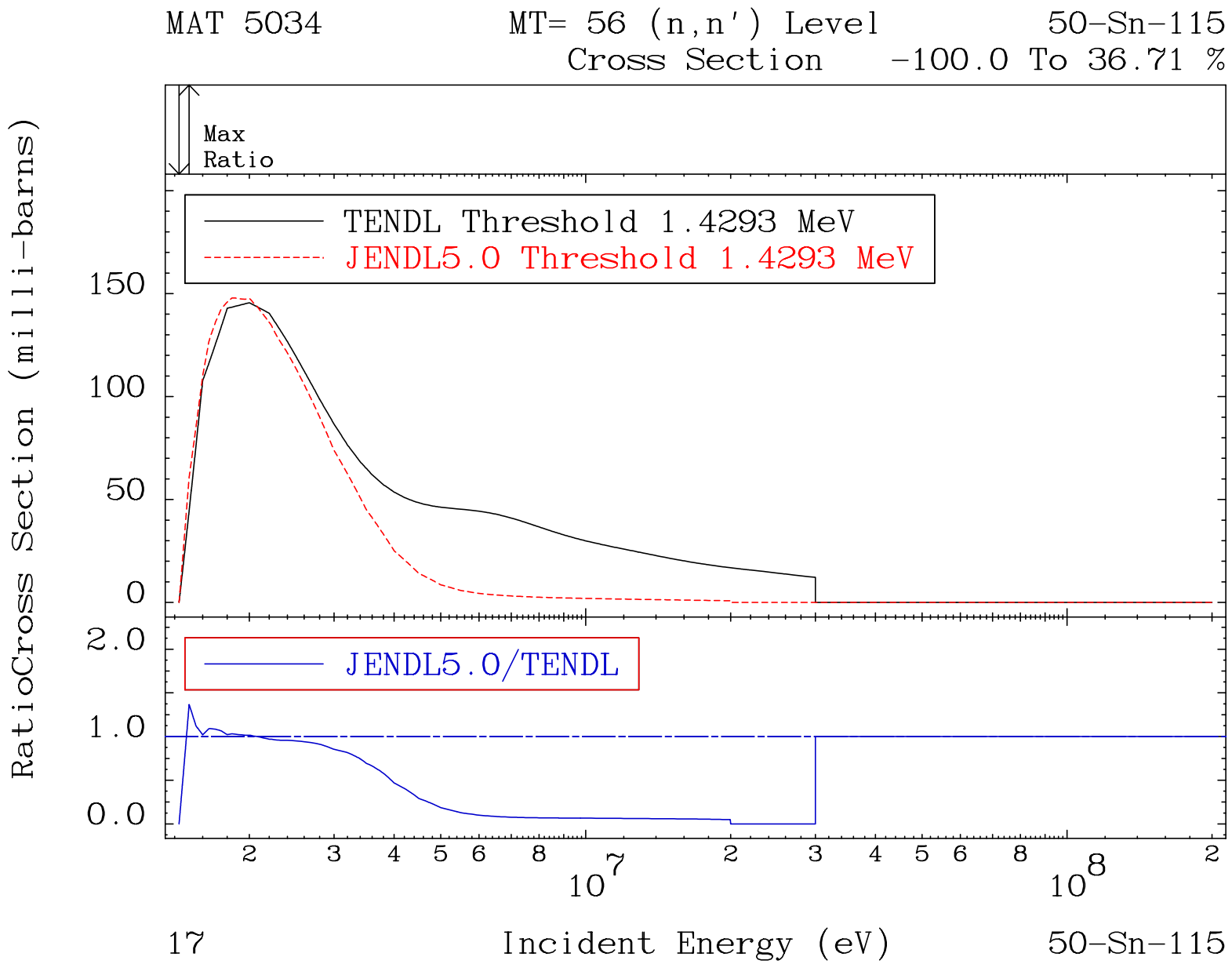

MAT 5034
MT= 51 (n,n') Level
50-Sn-115
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 501.70 keV
JENDL5.0 Threshold 501.70 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
1.0
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
12
Incident Energy (eV)
50-Sn-115

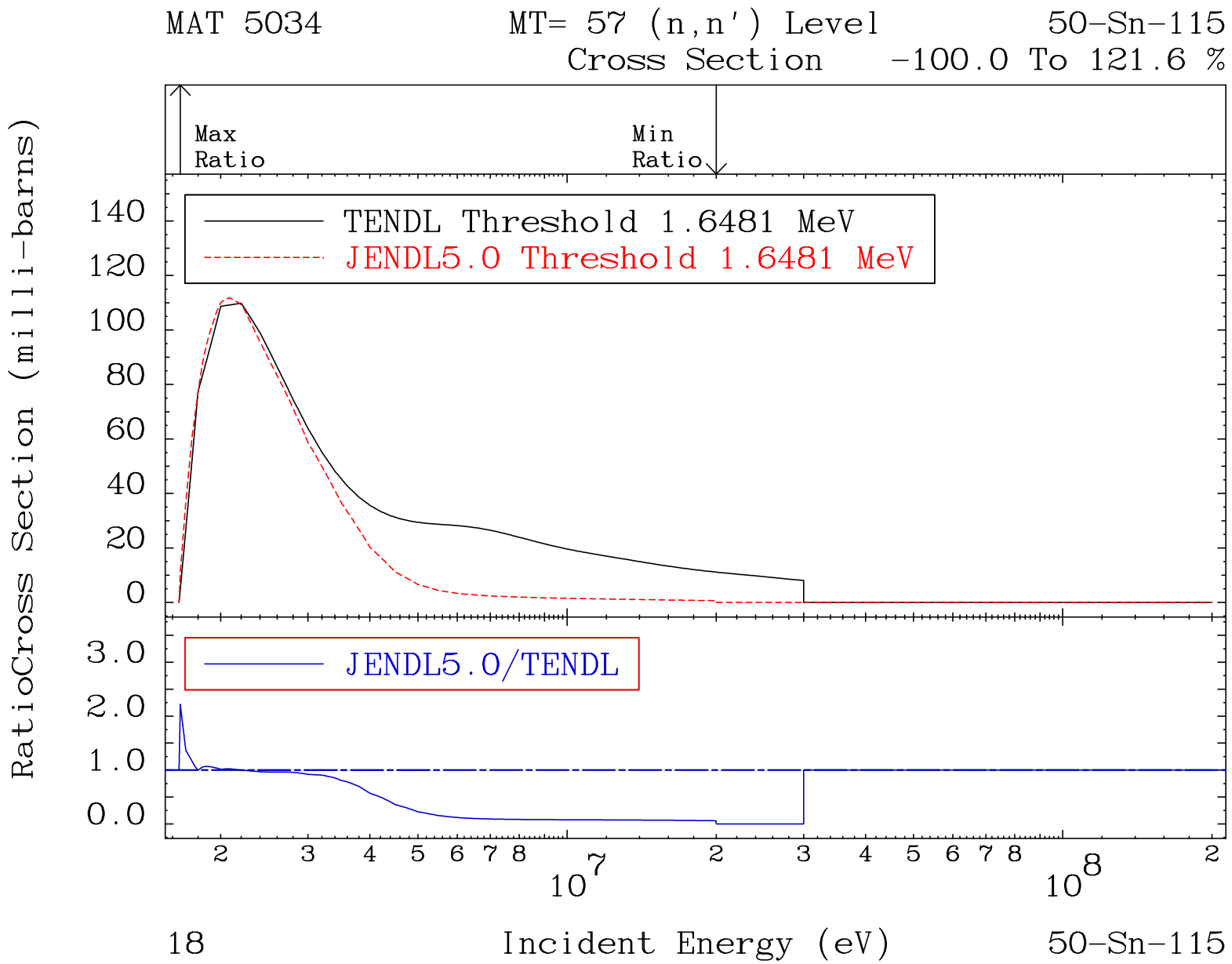

MAT 5034
MT= 52 (n,n') Level
50-Sn-115
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 618.19 keV
JENDL5.0 Threshold 618.19 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
200
100
0
400
200
0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
13
Incident Energy (eV)
50-Sn-115

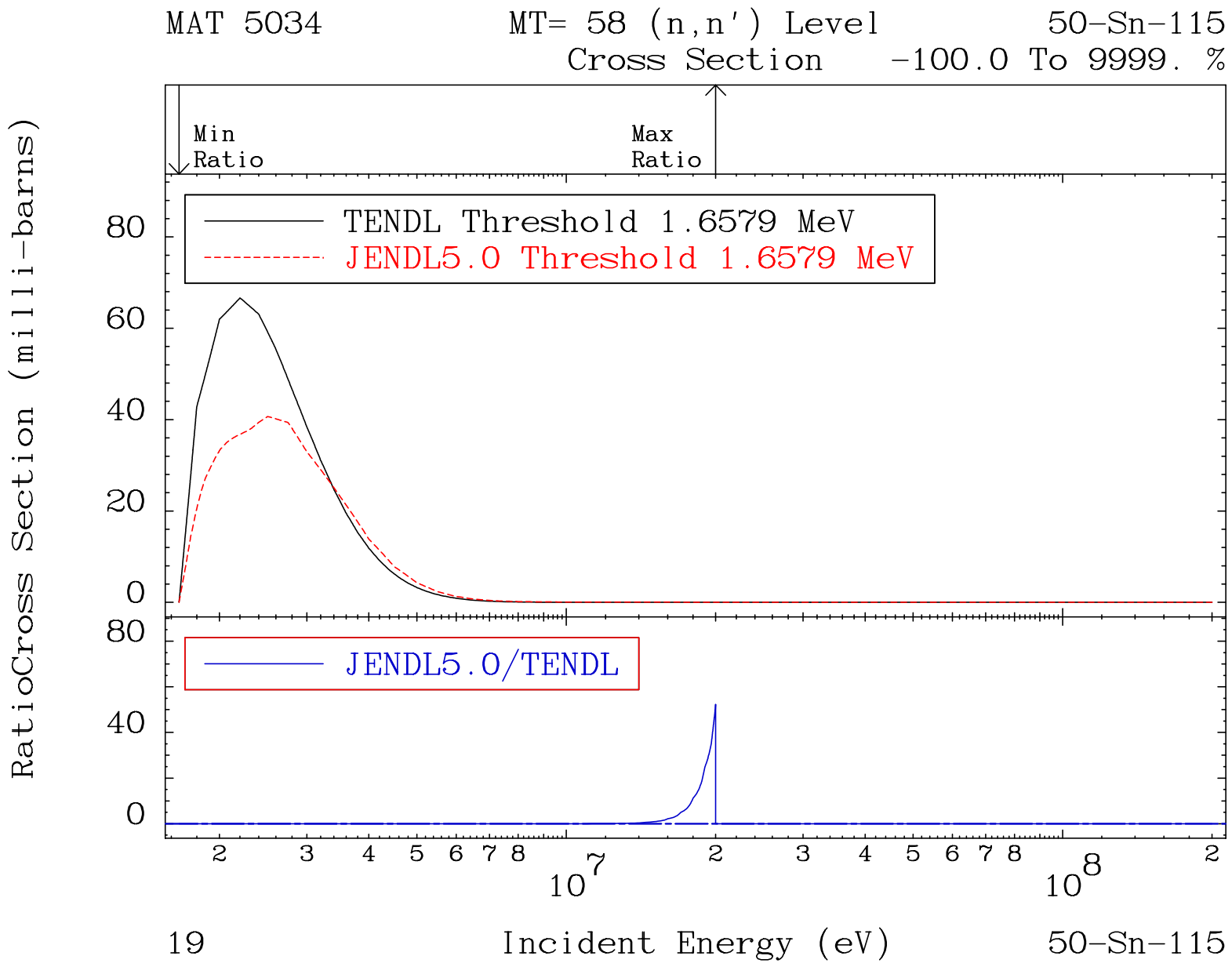

MAT 5034
MT= 53 (n,n') Level
50-Sn-115
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 719.90 keV
JENDL5.0 Threshold 719.90 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
800
400
0
8
2
3
4
5
6
8
2
3
4
5
6
8
2
10^6
10^7
10^8
14
Incident Energy (eV)
50-Sn-115

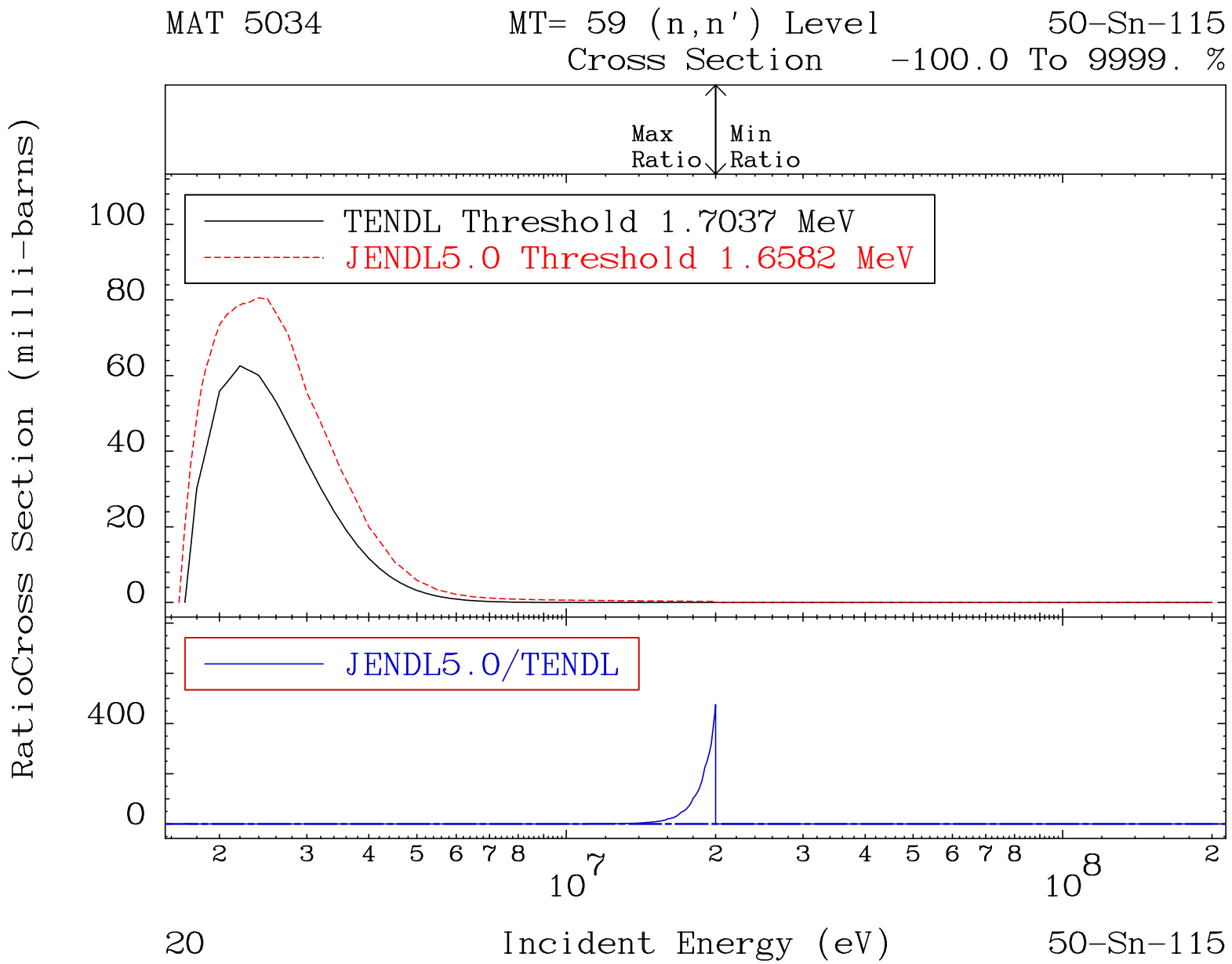

MAT 5034
MT= 54 (n,n') Level
50-Sn-115
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 995.22 keV
JENDL5.0 Threshold 995.22 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
2.0
1.0
0.0
10^6
10^7
10^8
Incident Energy (eV)
15
50-Sn-115

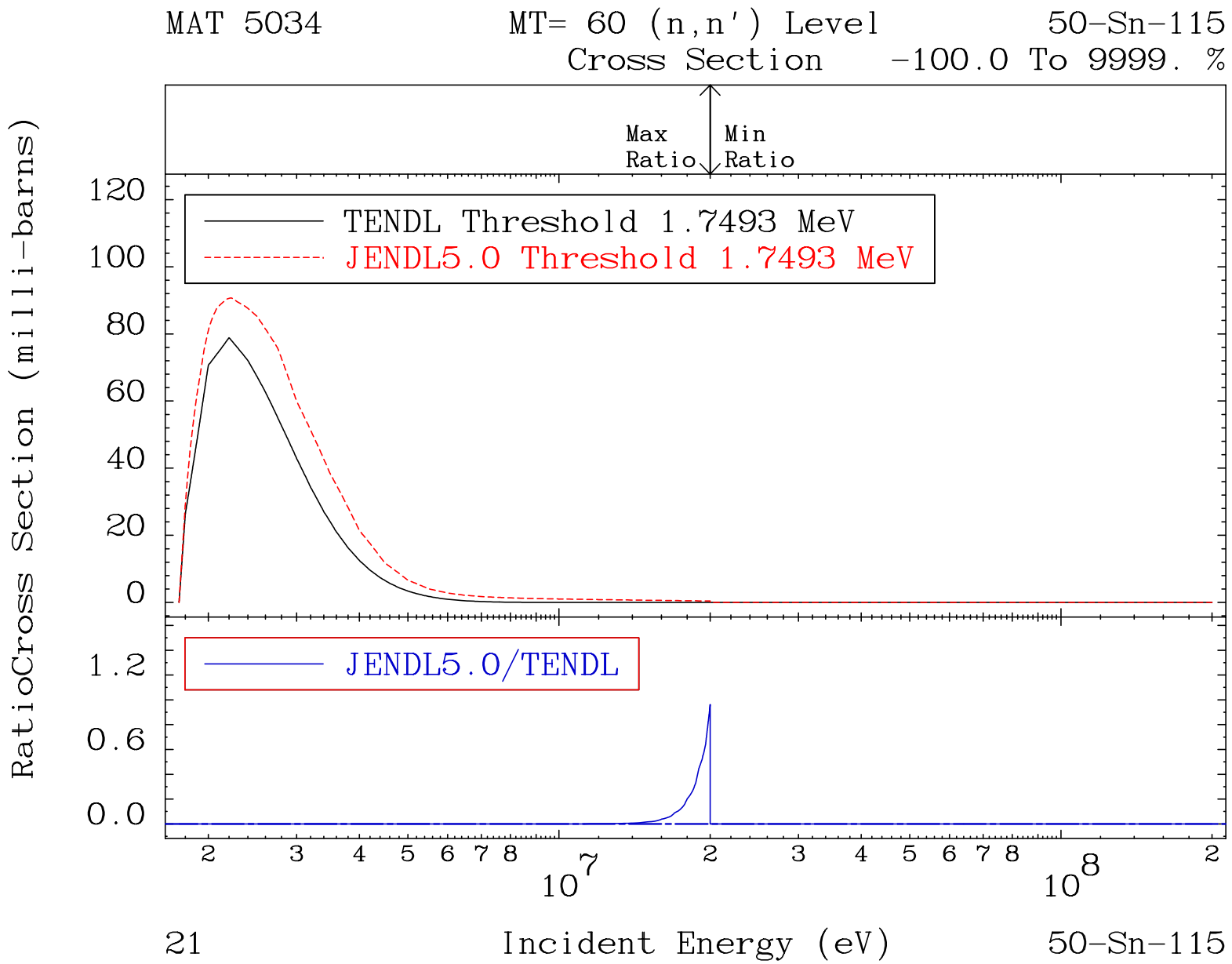

MAT 5034
MT= 55 (n,n') Level
50-Sn-115
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.2915 MeV
JENDL5.0 Threshold 1.2915 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
40
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
16
Incident Energy (eV)
50-Sn-115

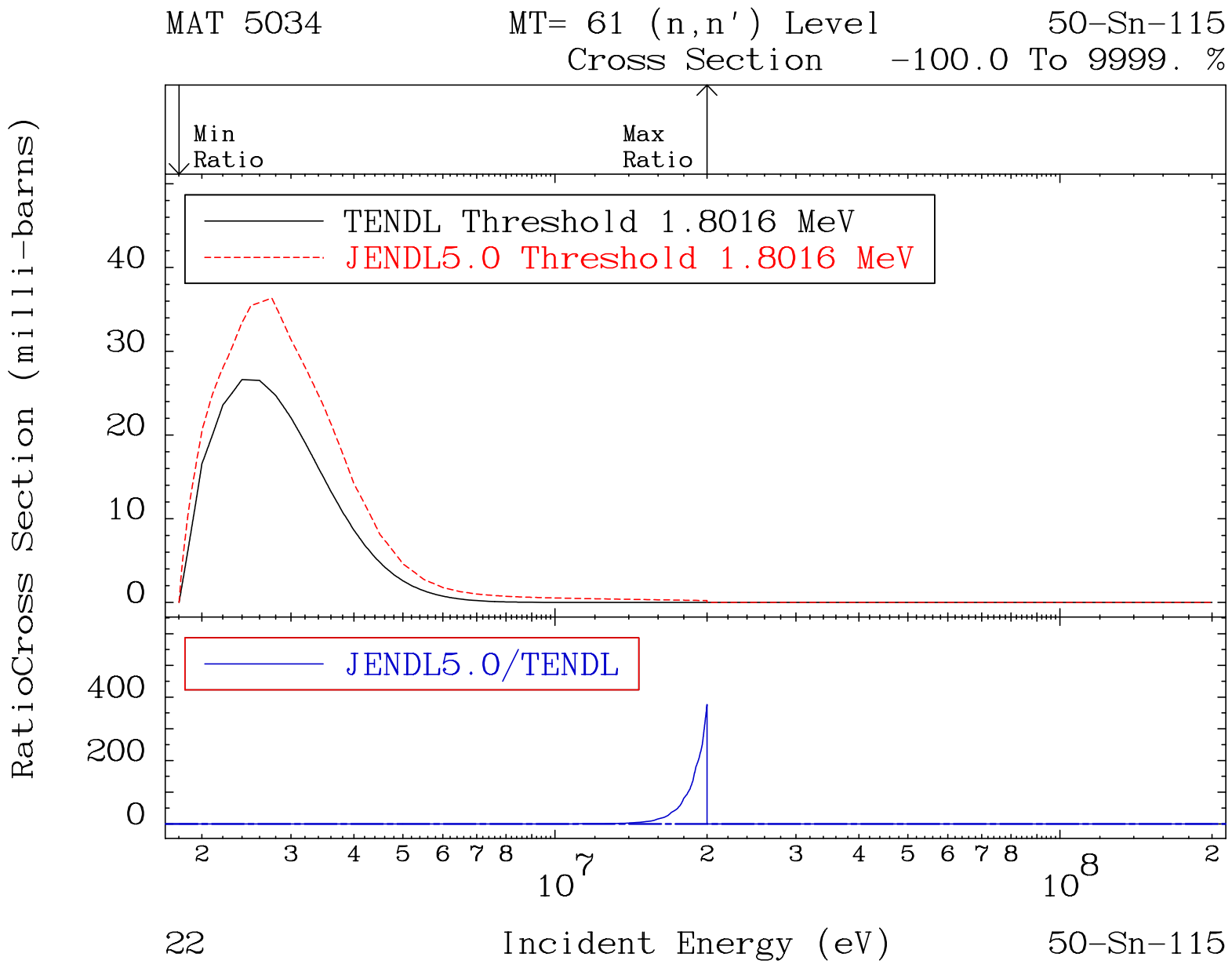

MAT 5034
MT= 56 (n,n') Level
50-Sn-115
Cross Section
-100.0 To 36.71 %
Max
Ratio
TENDL Threshold 1.4293 MeV
JENDL5.0 Threshold 1.4293 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
150
100
50
0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
17
Incident Energy (eV)
50-Sn-115

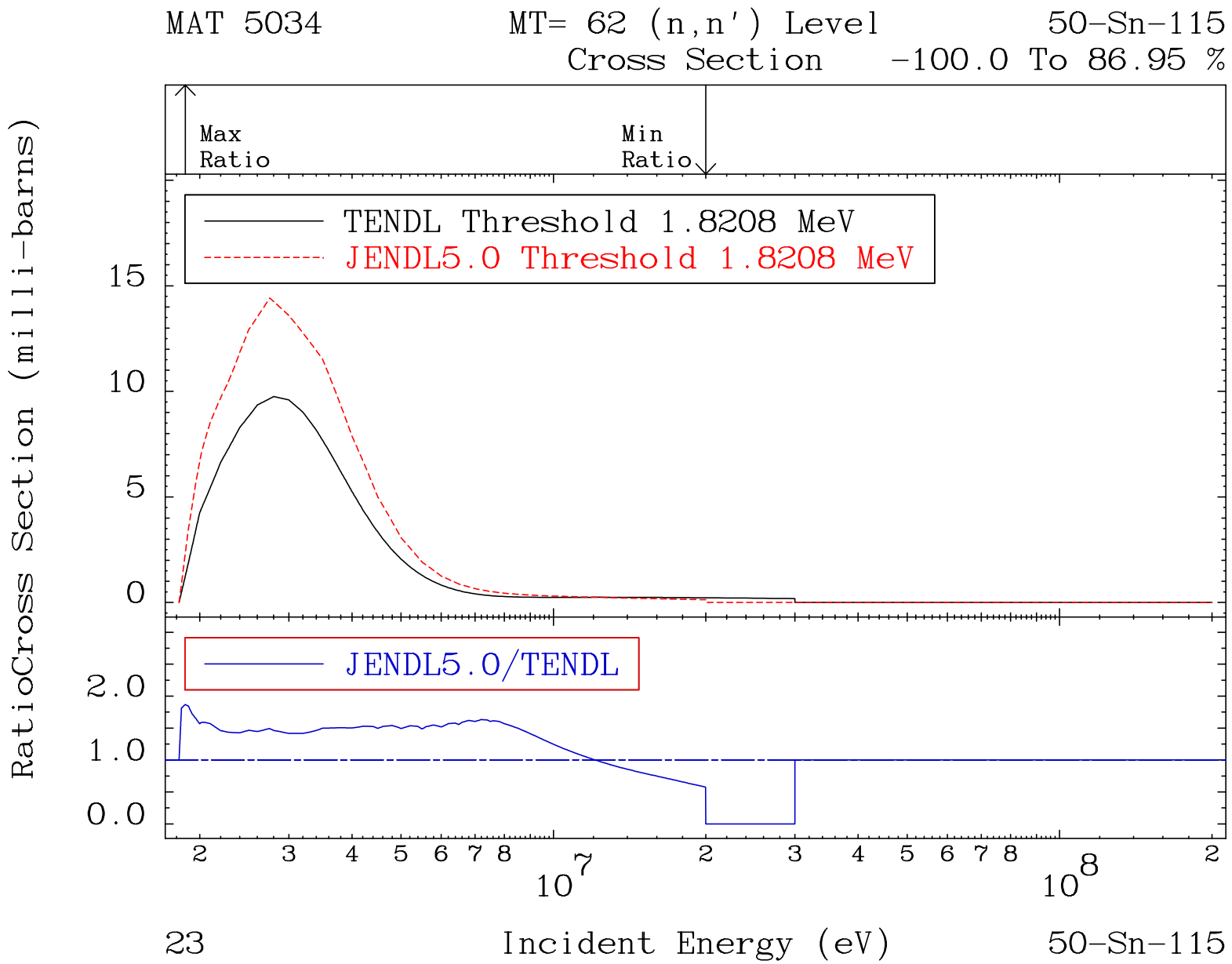

MAT 5034
MT= 57 (n,n') Level
50-Sn-115
Cross Section
-100.0 To 121.6 %
Max Ratio
Min Ratio
TENDL Threshold 1.6481 MeV
JENDL5.0 Threshold 1.6481 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
3.0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
18
Incident Energy (eV)
50-Sn-115

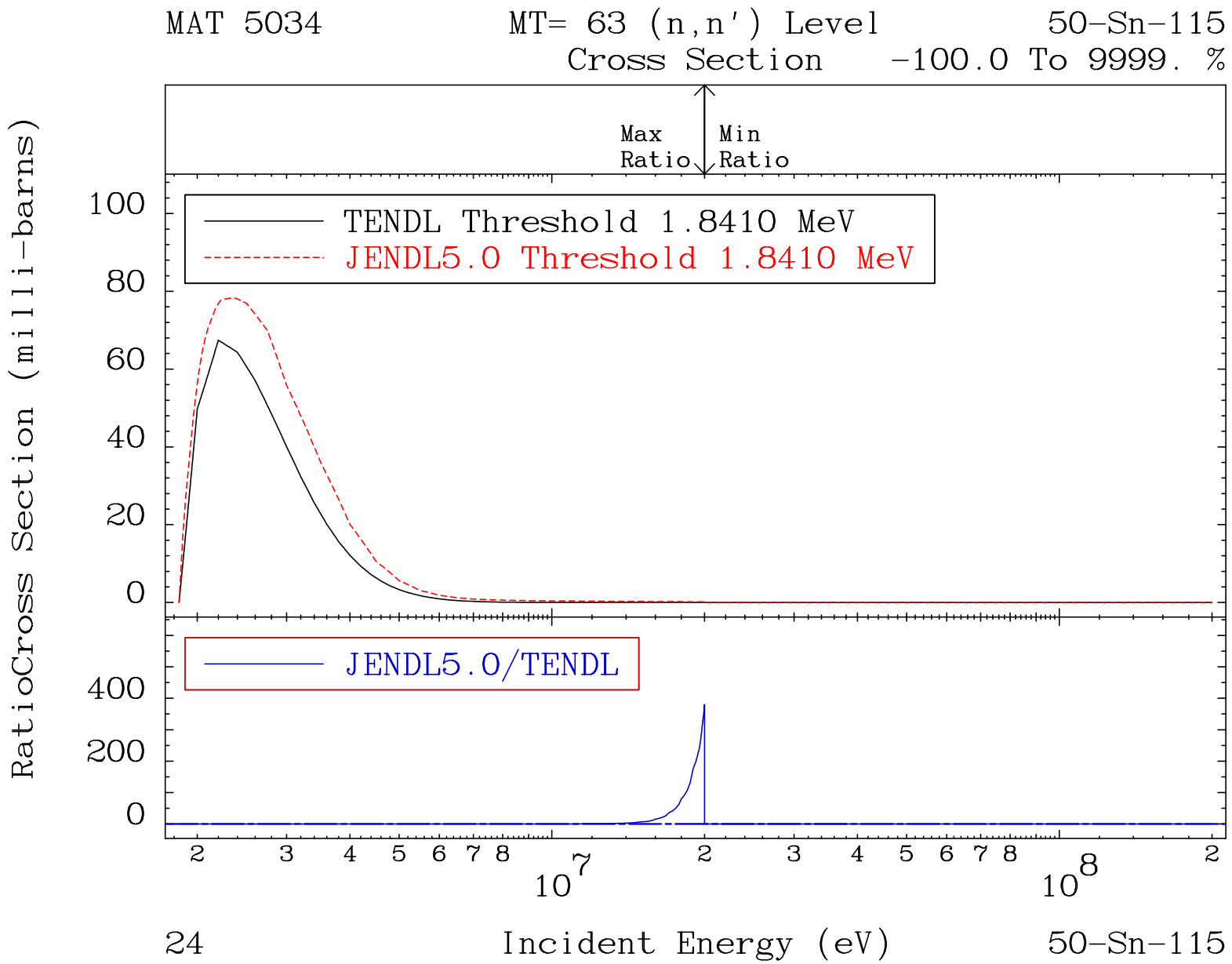

MAT 5034
MT= 58 (n,n') Level
50-Sn-115
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.6579 MeV
JENDL5.0 Threshold 1.6579 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
80
40
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
50-Sn-115

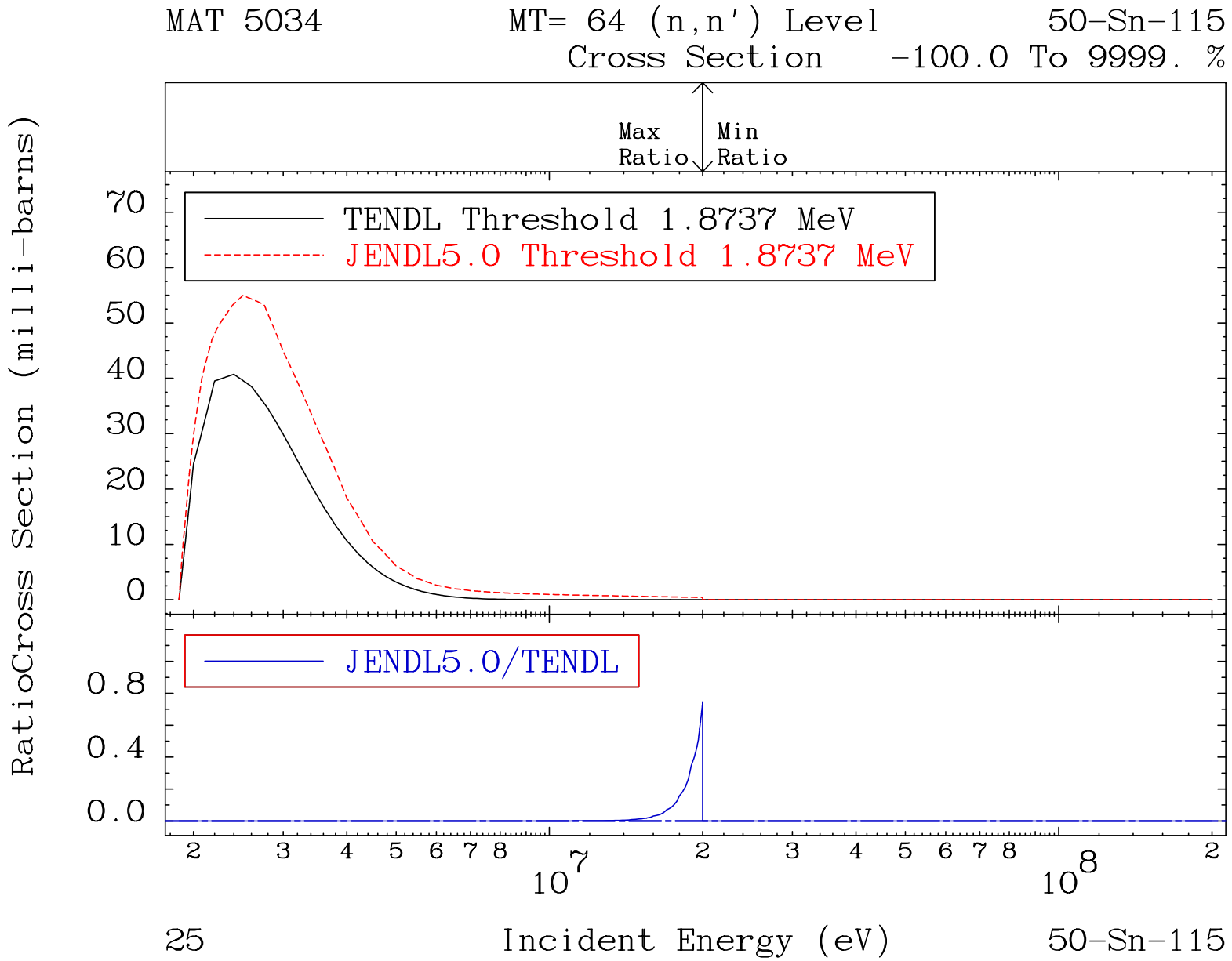

MAT 5034
MT= 59 (n,n') Level
50-Sn-115
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.7037 MeV
JENDL5.0 Threshold 1.6582 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
400
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
20
Incident Energy (eV)
50-Sn-115

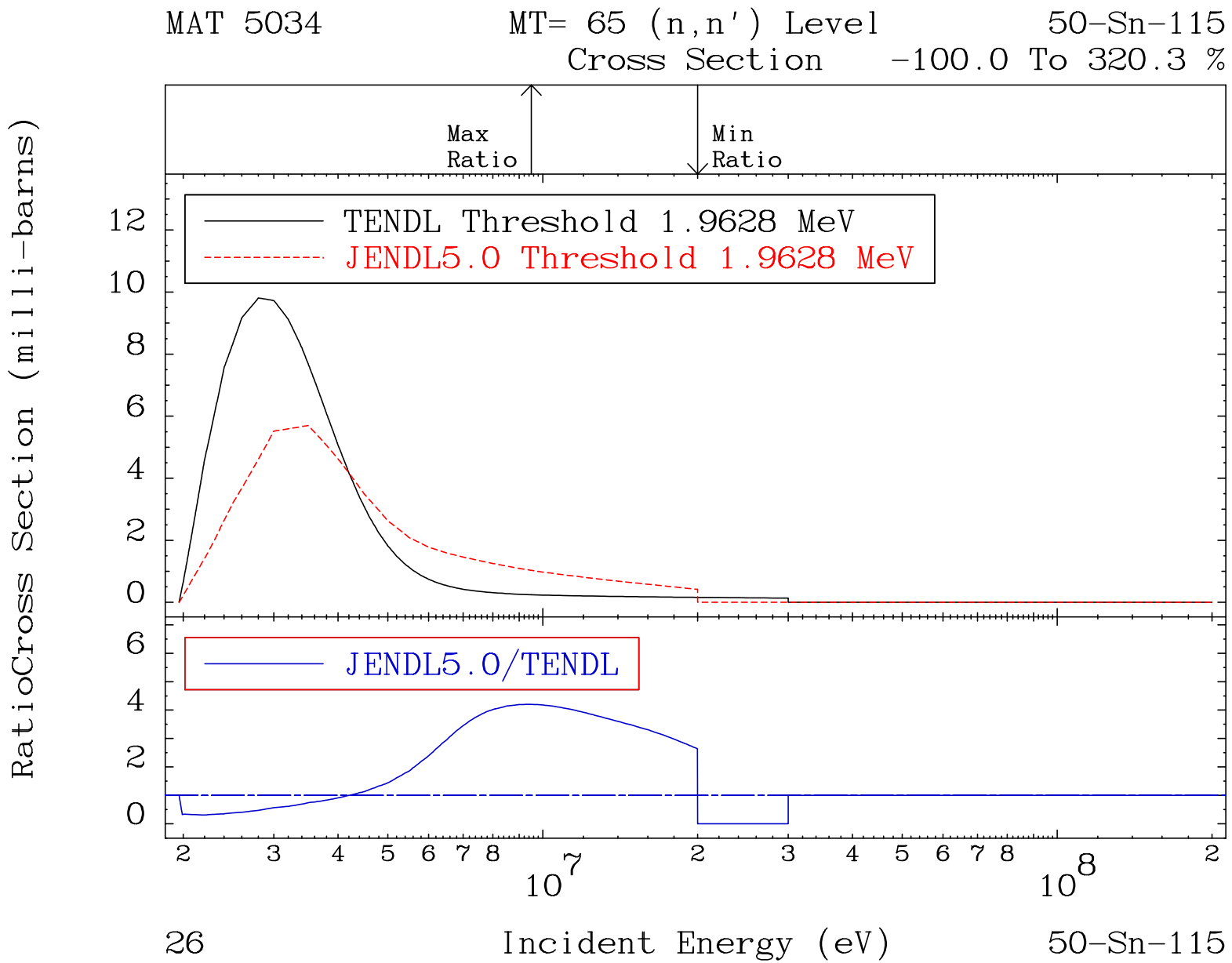

MAT 5034
MT= 60 (n,n') Level
50-Sn-115
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.7493 MeV
JENDL5.0 Threshold 1.7493 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
50-Sn-115

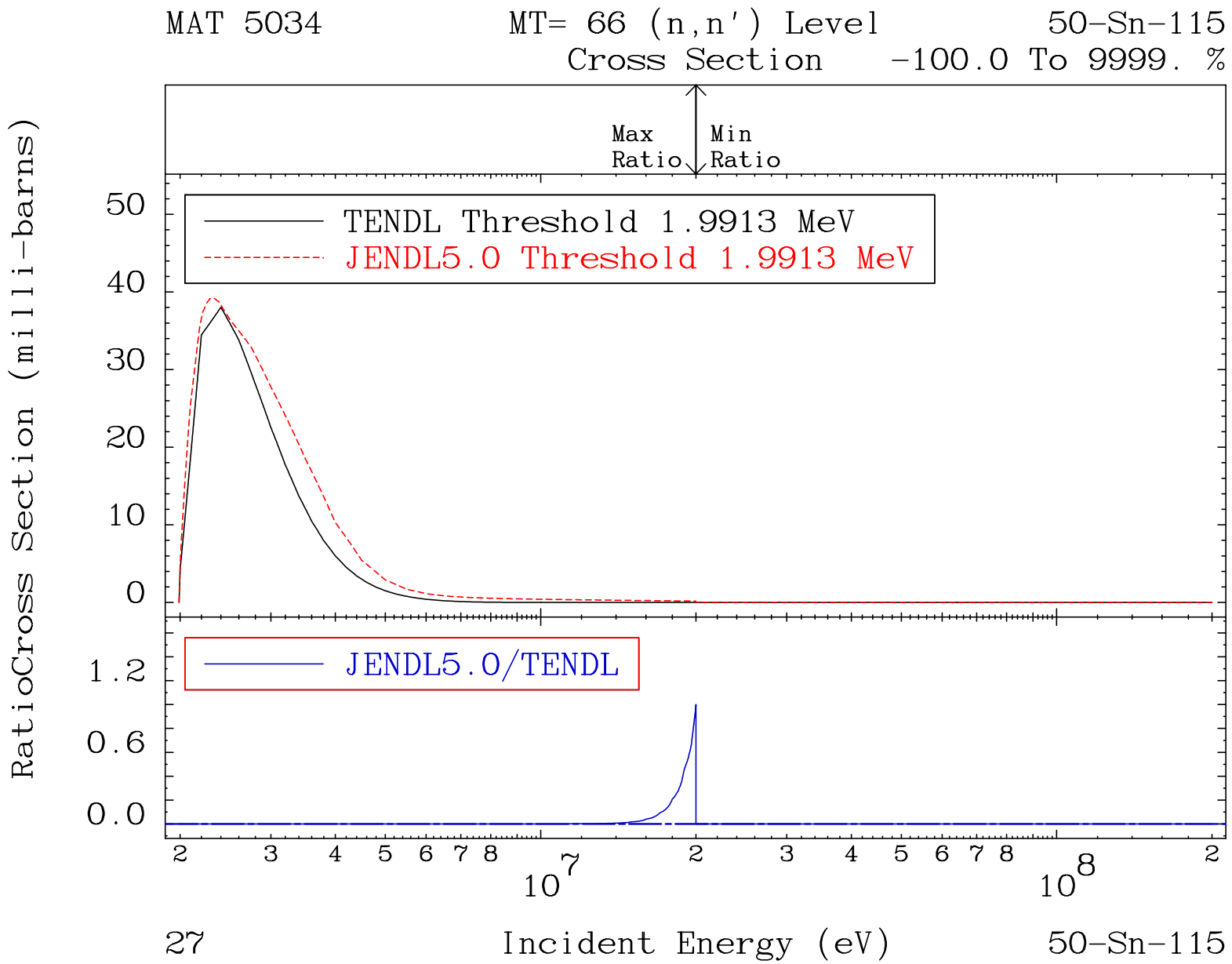

MAT 5034
MT= 61 (n,n') Level
50-Sn-115
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.8016 MeV
JENDL5.0 Threshold 1.8016 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
400
200
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
50-Sn-115

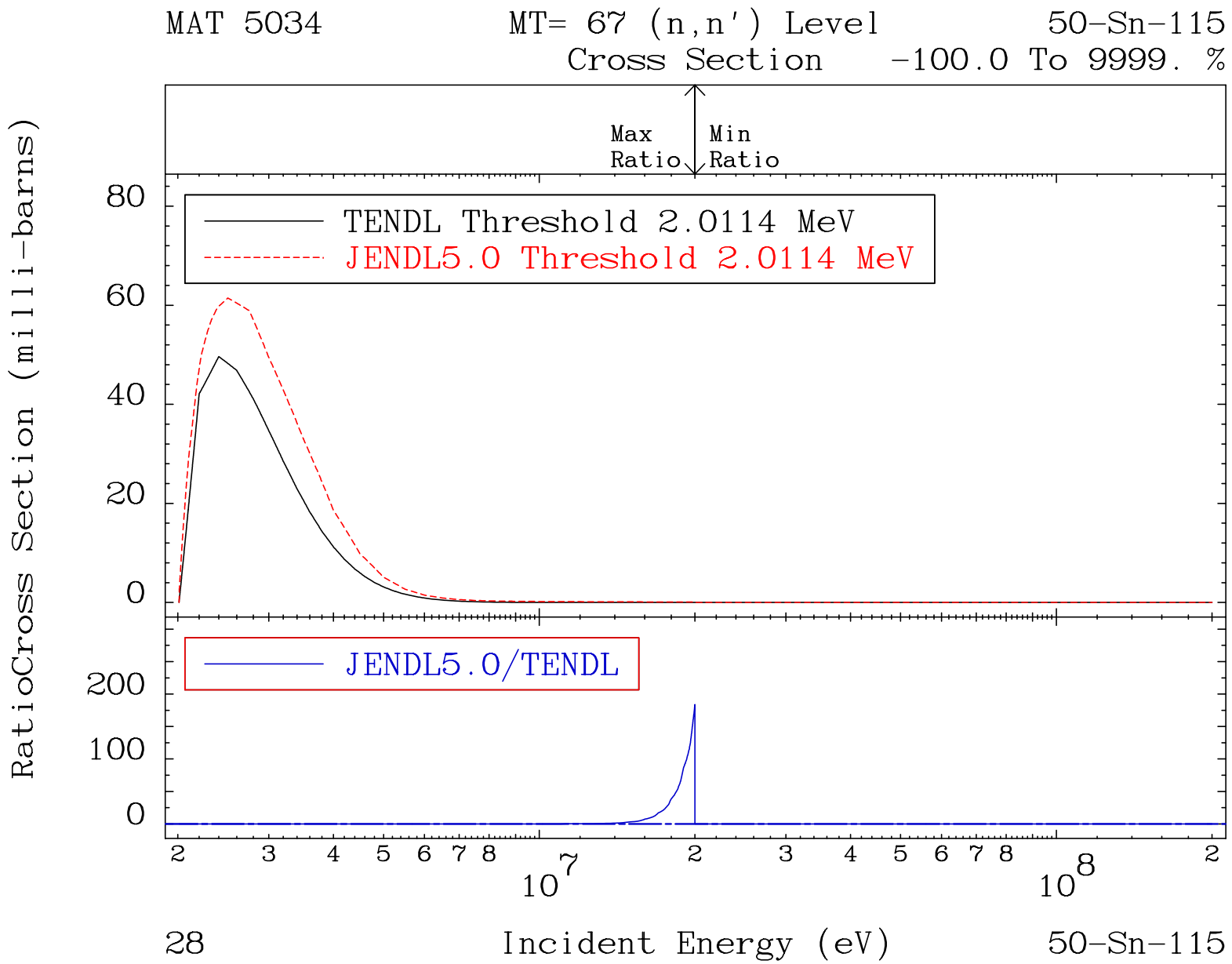

MAT 5034
MT= 62 (n,n') Level
50-Sn-115
Cross Section -100.0 To 86.95 %
Max Ratio
Min Ratio
TENDL Threshold 1.8208 MeV
JENDL5.0 Threshold 1.8208 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
15
10
5
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
50-Sn-115

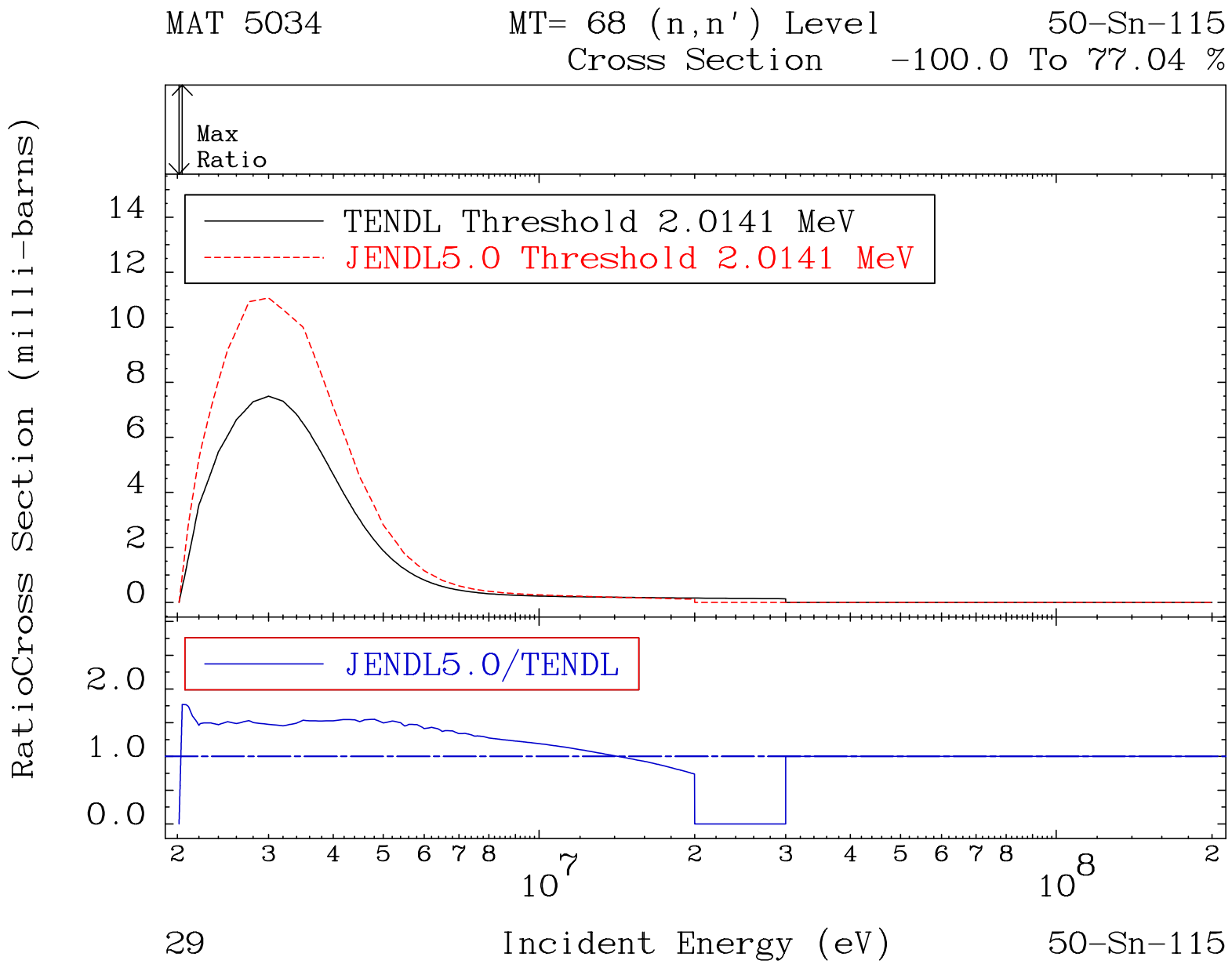

MAT 5034
MT= 63 (n,n') Level
50-Sn-115
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.8410 MeV
JENDL5.0 Threshold 1.8410 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
400
200
0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
24
Incident Energy (eV)
50-Sn-115

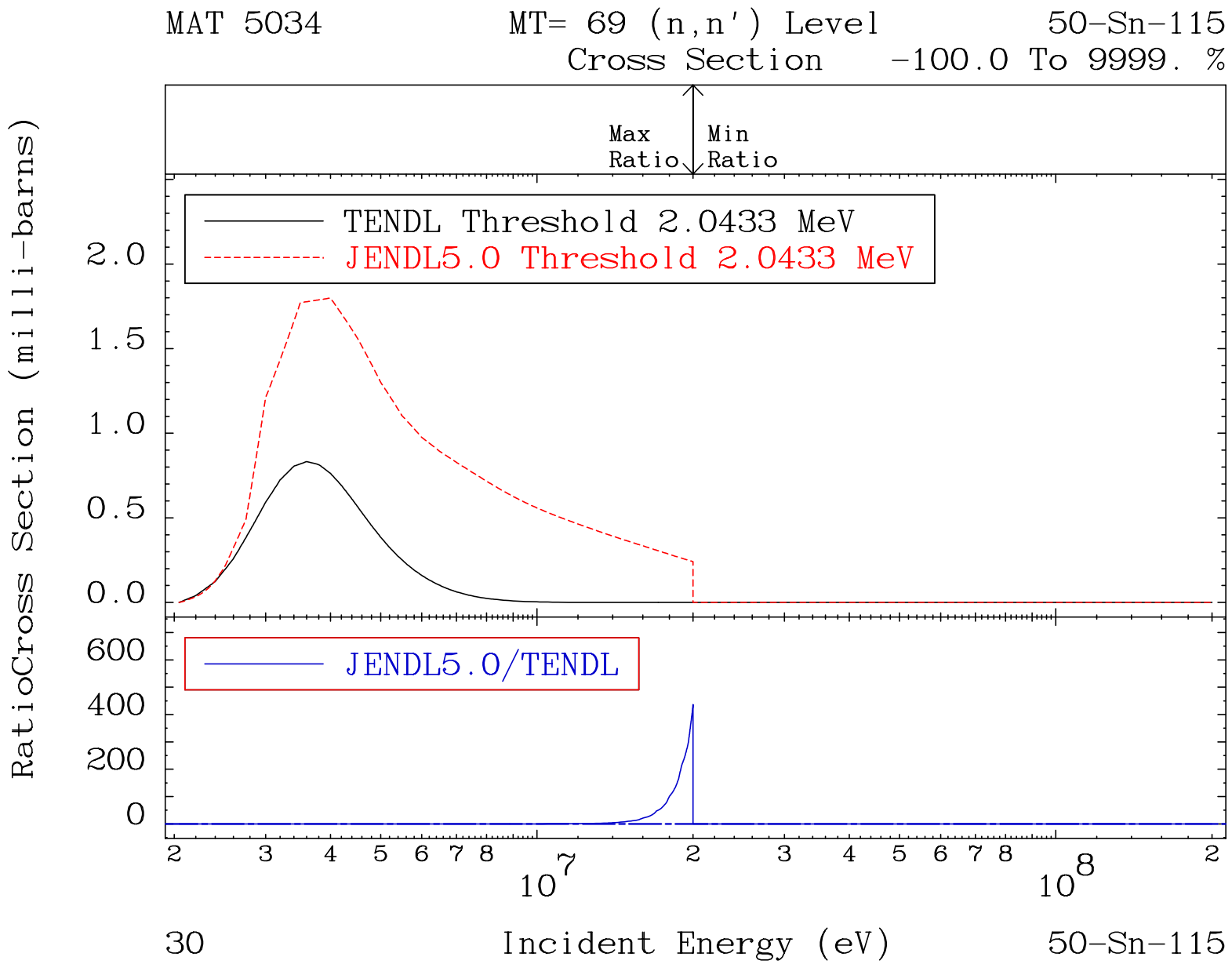

MAT 5034
MT= 64 (n,n') Level
50-Sn-115
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.8737 MeV
JENDL5.0 Threshold 1.8737 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
0.8
0.4
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
50-Sn-115

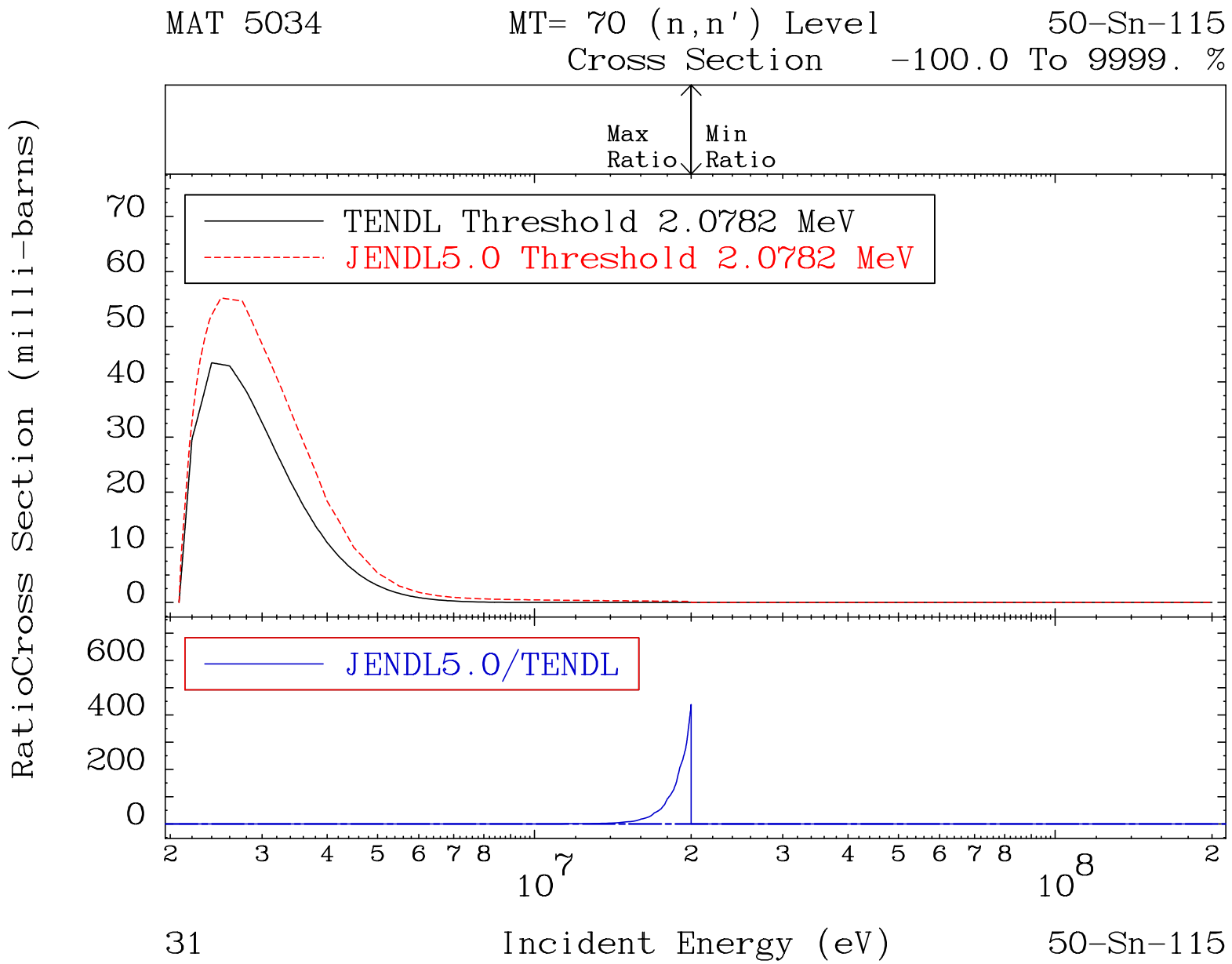

MAT 5034
MT= 65 (n,n') Level
50-Sn-115
Cross Section
-100.0 To 320.3 %
Max Ratio
Min Ratio
TENDL Threshold 1.9628 MeV
JENDL5.0 Threshold 1.9628 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
26
50-Sn-115

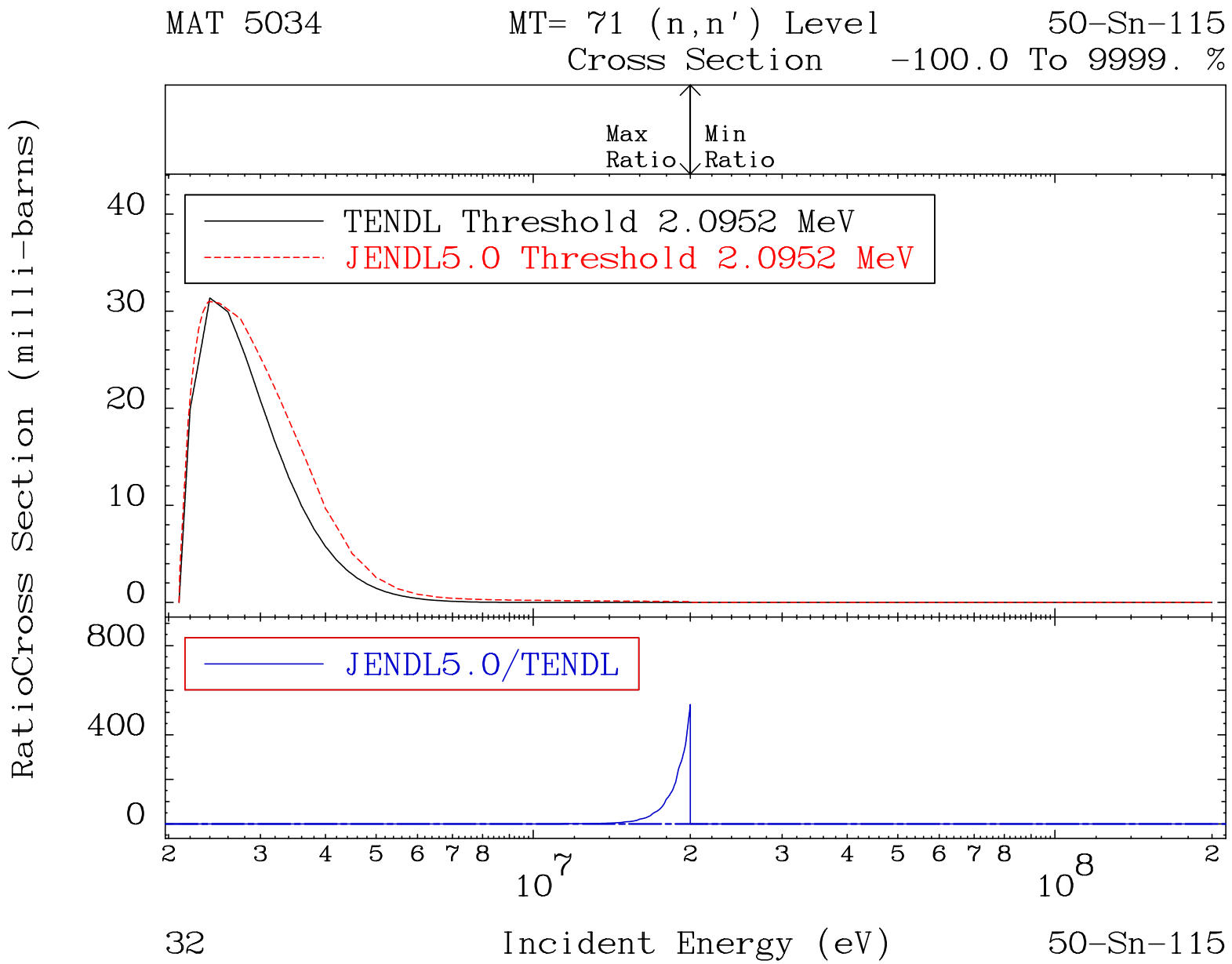

MAT 5034
MT= 66 (n,n') Level
50-Sn-115
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.9913 MeV
JENDL5.0 Threshold 1.9913 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
27
Incident Energy (eV)
50-Sn-115

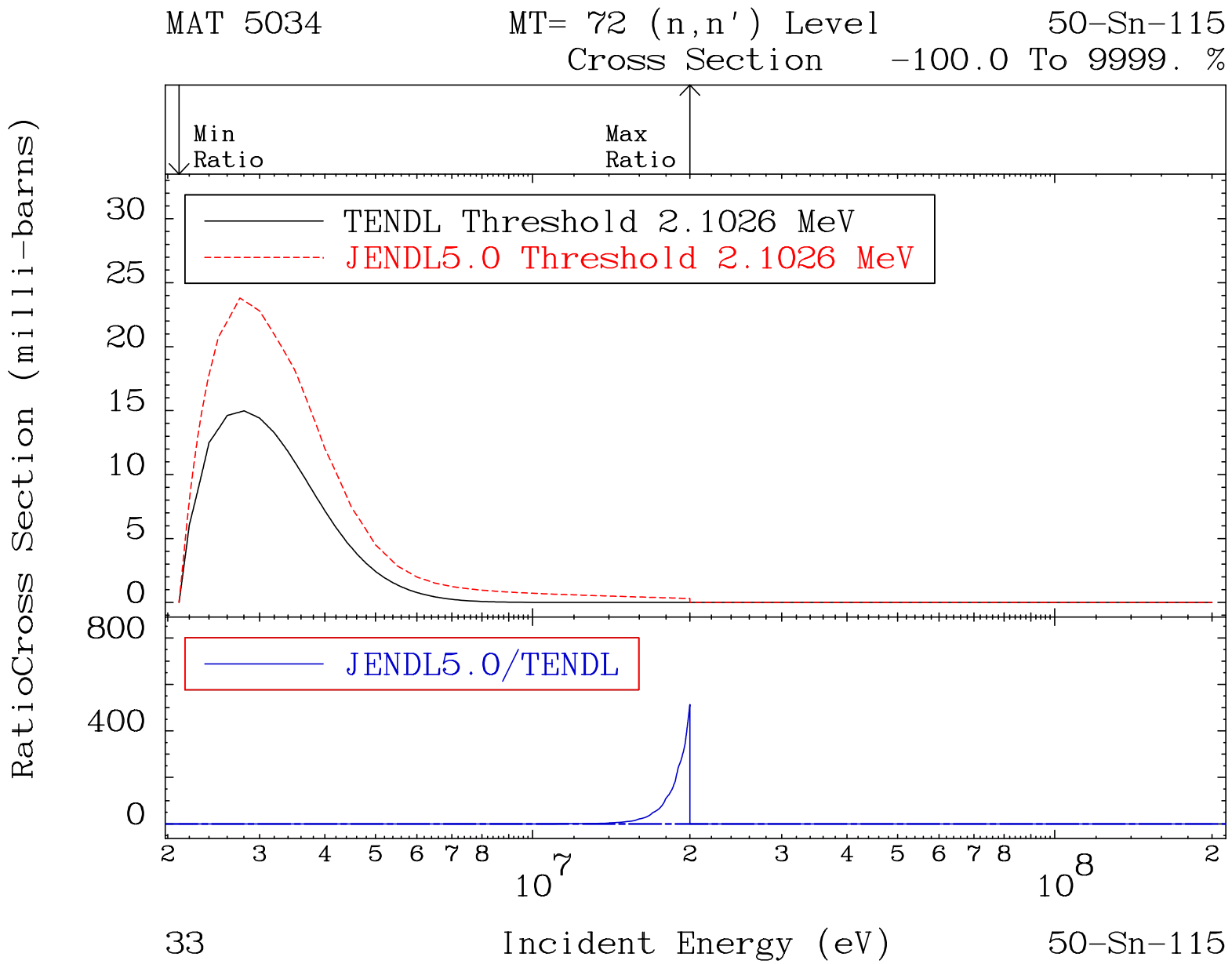

MAT 5034
MT= 67 (n,n') Level
50-Sn-115
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.0114 MeV
JENDL5.0 Threshold 2.0114 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
200
100
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
50-Sn-115

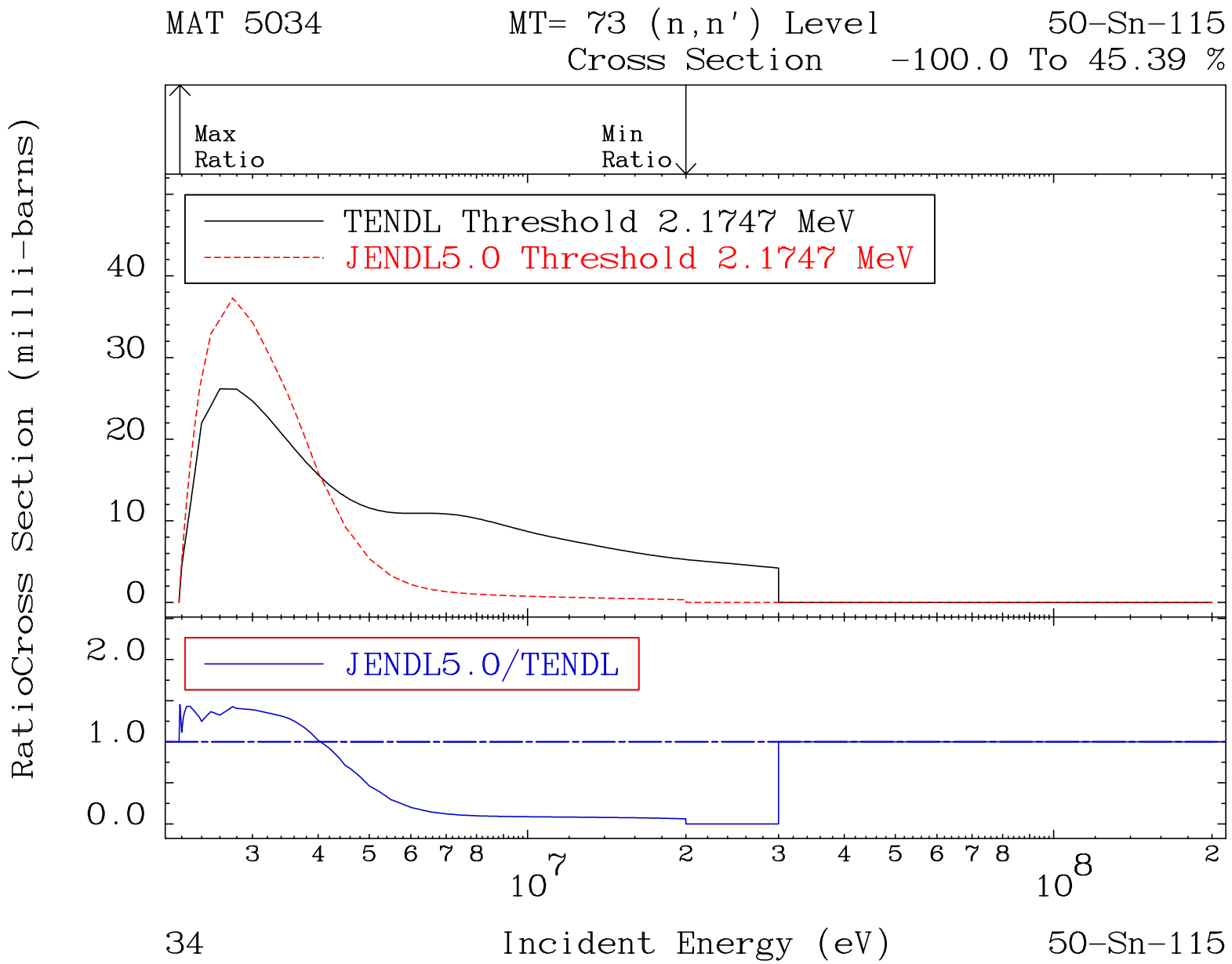

MAT 5034
MT= 68 (n,n') Level
50-Sn-115
Cross Section
-100.0 To 77.04 %
Max
Ratio
TENDL Threshold 2.0141 MeV
JENDL5.0 Threshold 2.0141 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
14
12
10
8
6
4
2
0
2.0
1.0
0.0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
29
Incident Energy (eV)
50-Sn-115

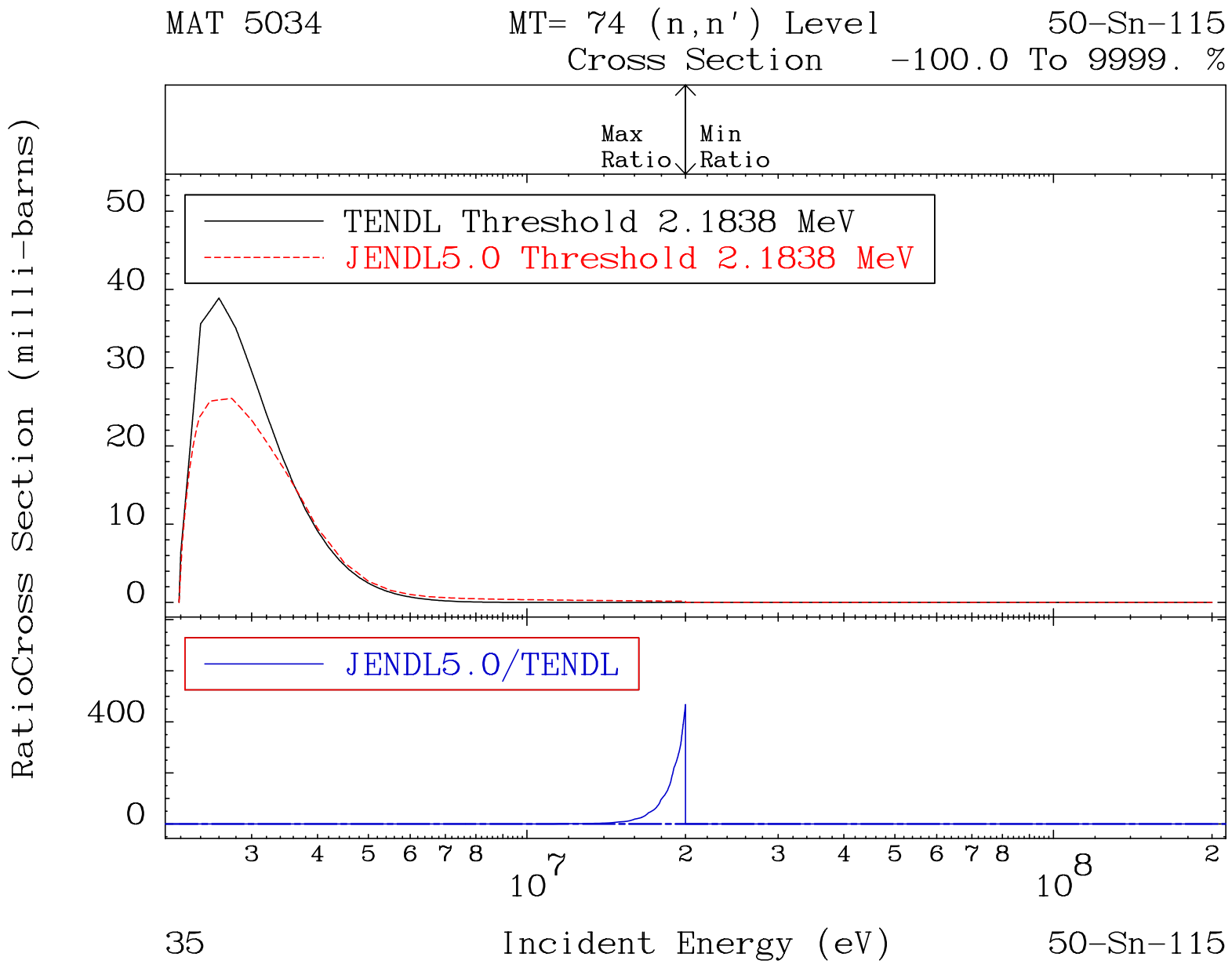

MAT 5034
MT= 69 (n,n') Level
50-Sn-115
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.0433 MeV
JENDL5.0 Threshold 2.0433 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
600
400
200
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
50-Sn-115

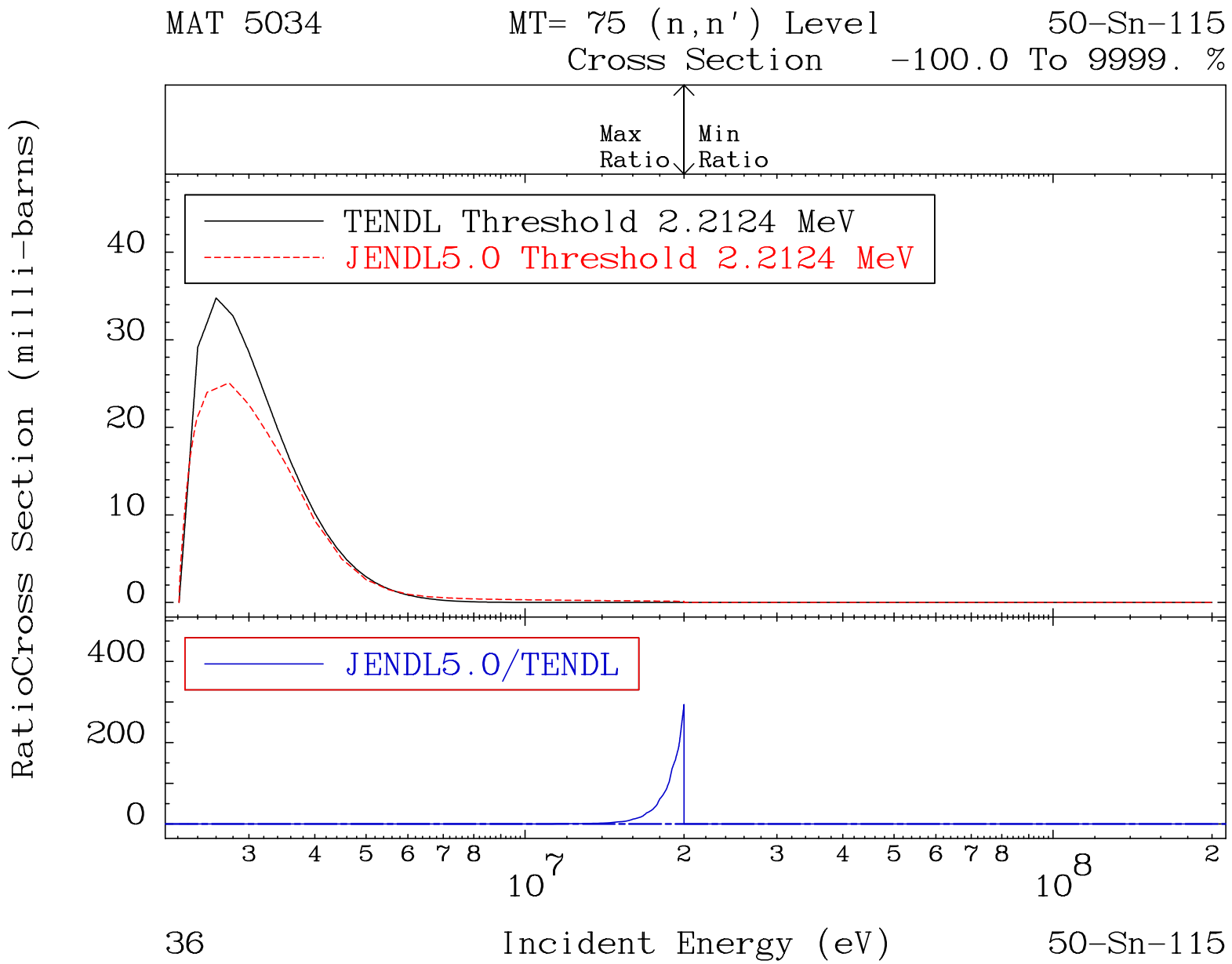

MAT 5034
MT= 70 (n,n') Level
50-Sn-115
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.0782 MeV
JENDL5.0 Threshold 2.0782 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
600
400
200
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
31
Incident Energy (eV)
50-Sn-115

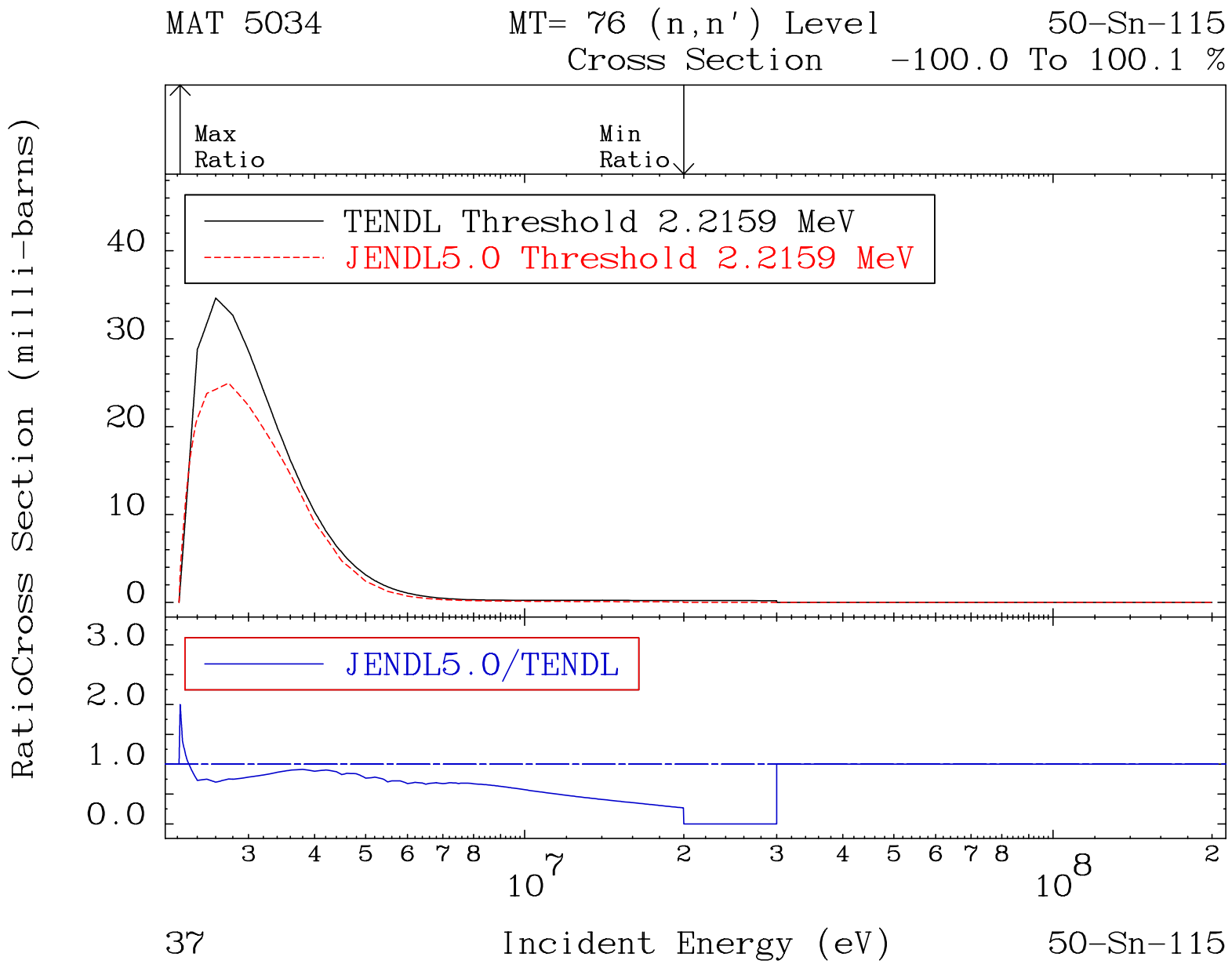

MAT 5034
MT= 71 (n,n') Level
50-Sn-115
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.0952 MeV
JENDL5.0 Threshold 2.0952 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
800
400
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
50-Sn-115

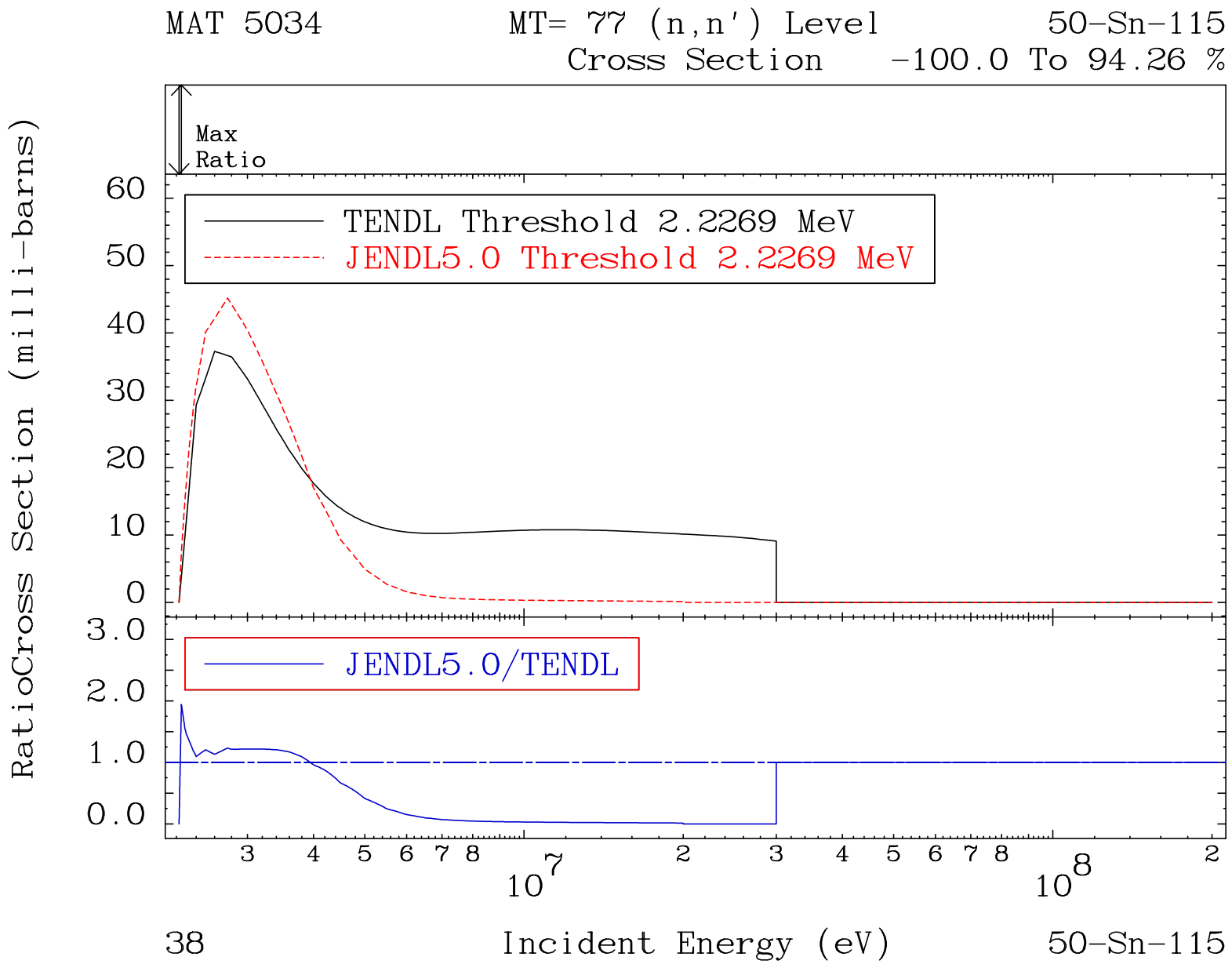

MAT 5034
MT= 72 (n,n') Level
50-Sn-115
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.1026 MeV
JENDL5.0 Threshold 2.1026 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
800
400
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
33
Incident Energy (eV)
50-Sn-115

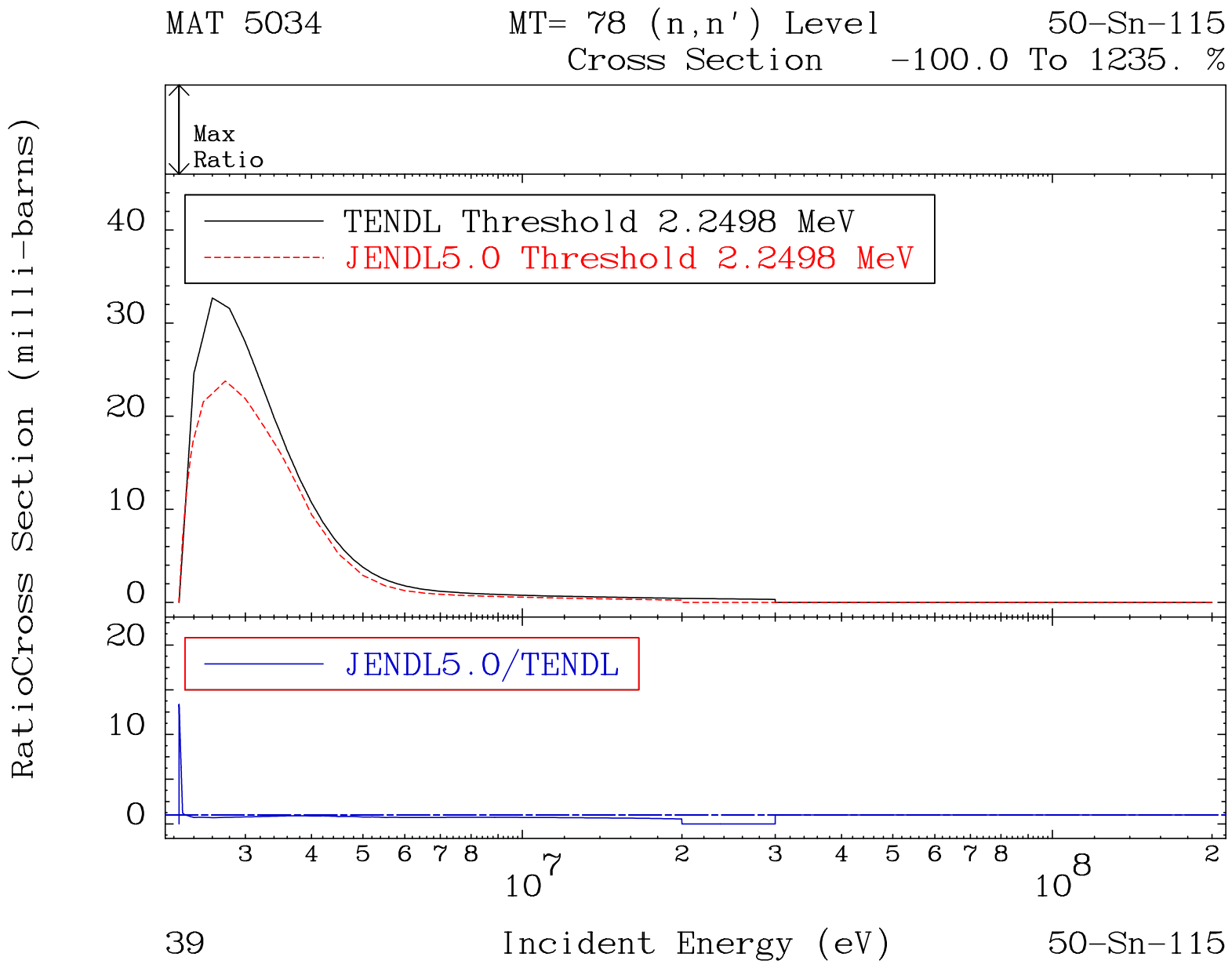

MAT 5034
MT= 73 (n,n') Level
50-Sn-115
Cross Section -100.0 To 45.39 %
Max Ratio
Min Ratio
TENDL Threshold 2.1747 MeV
JENDL5.0 Threshold 2.1747 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
34
Incident Energy (eV)
50-Sn-115

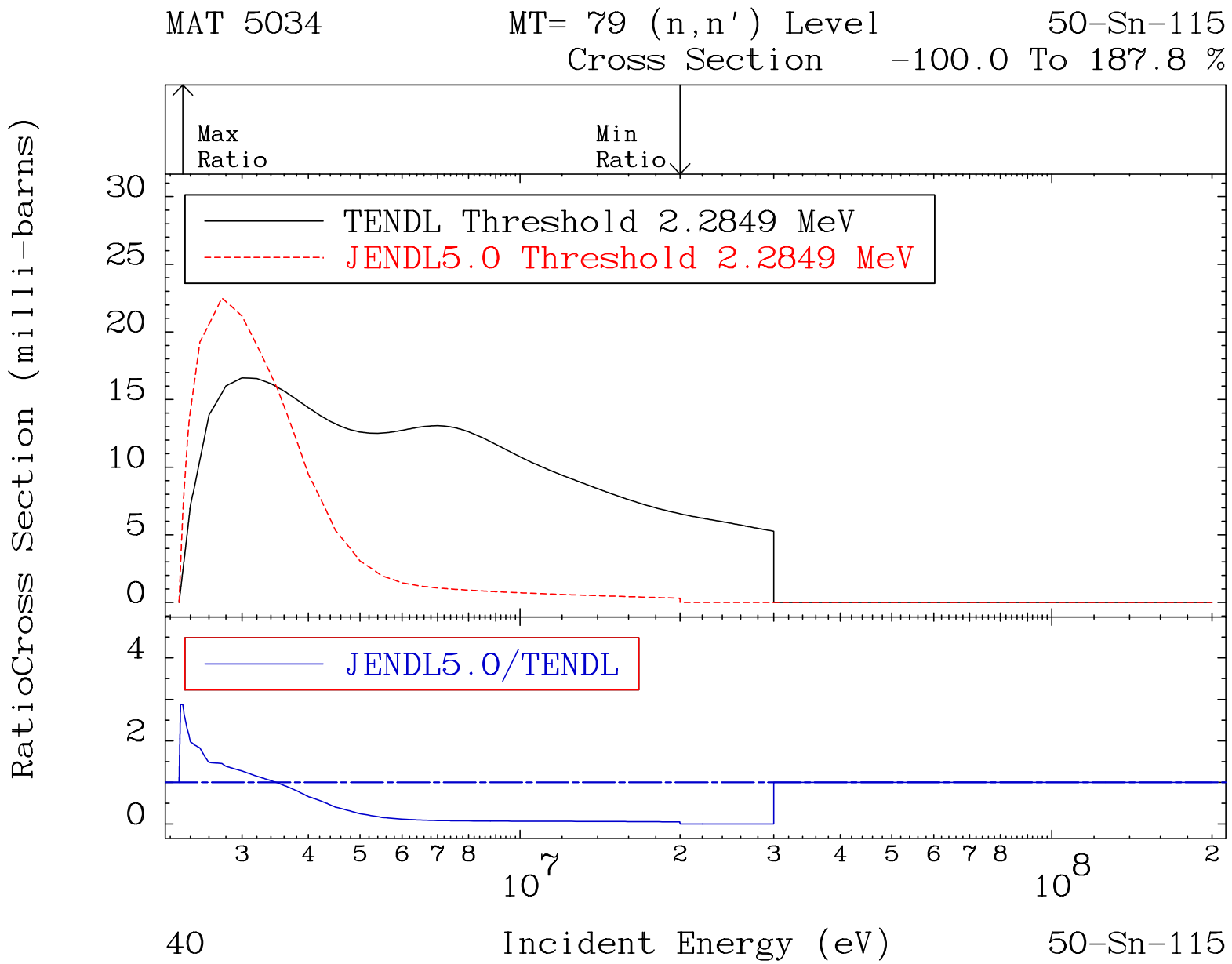

MAT 5034
MT= 74 (n,n') Level
50-Sn-115
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.1838 MeV
JENDL5.0 Threshold 2.1838 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
400
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
50-Sn-115

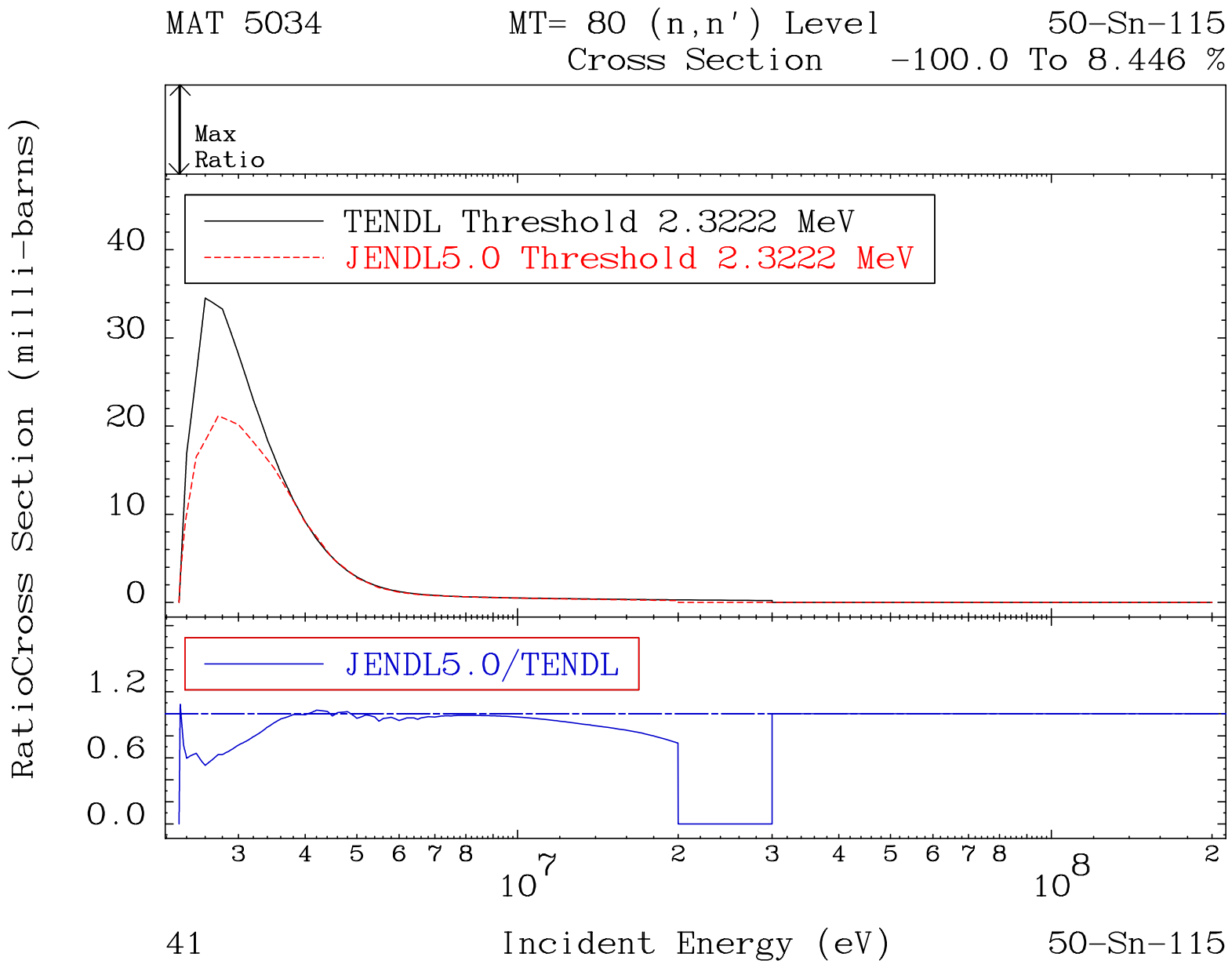

MAT 5034
MT= 75 (n,n') Level
50-Sn-115
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.2124 MeV
JENDL5.0 Threshold 2.2124 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
400
200
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
36
Incident Energy (eV)
50-Sn-115

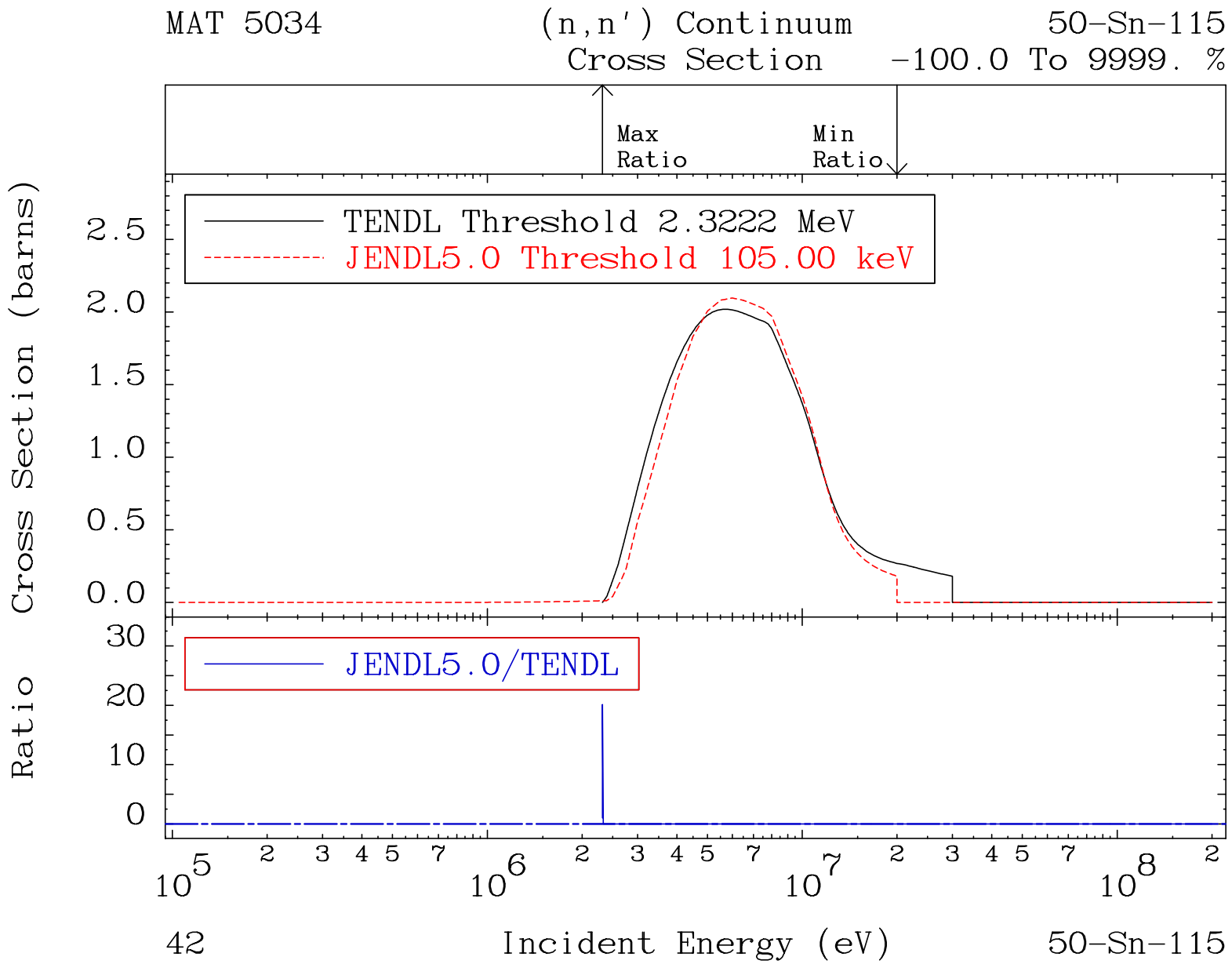

MAT 5034
MT= 76 (n,n') Level
50-Sn-115
Cross Section
-100.0 To 100.1 %
Max Ratio
Min Ratio
TENDL Threshold 2.2159 MeV
JENDL5.0 Threshold 2.2159 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
37
Incident Energy (eV)
50-Sn-115

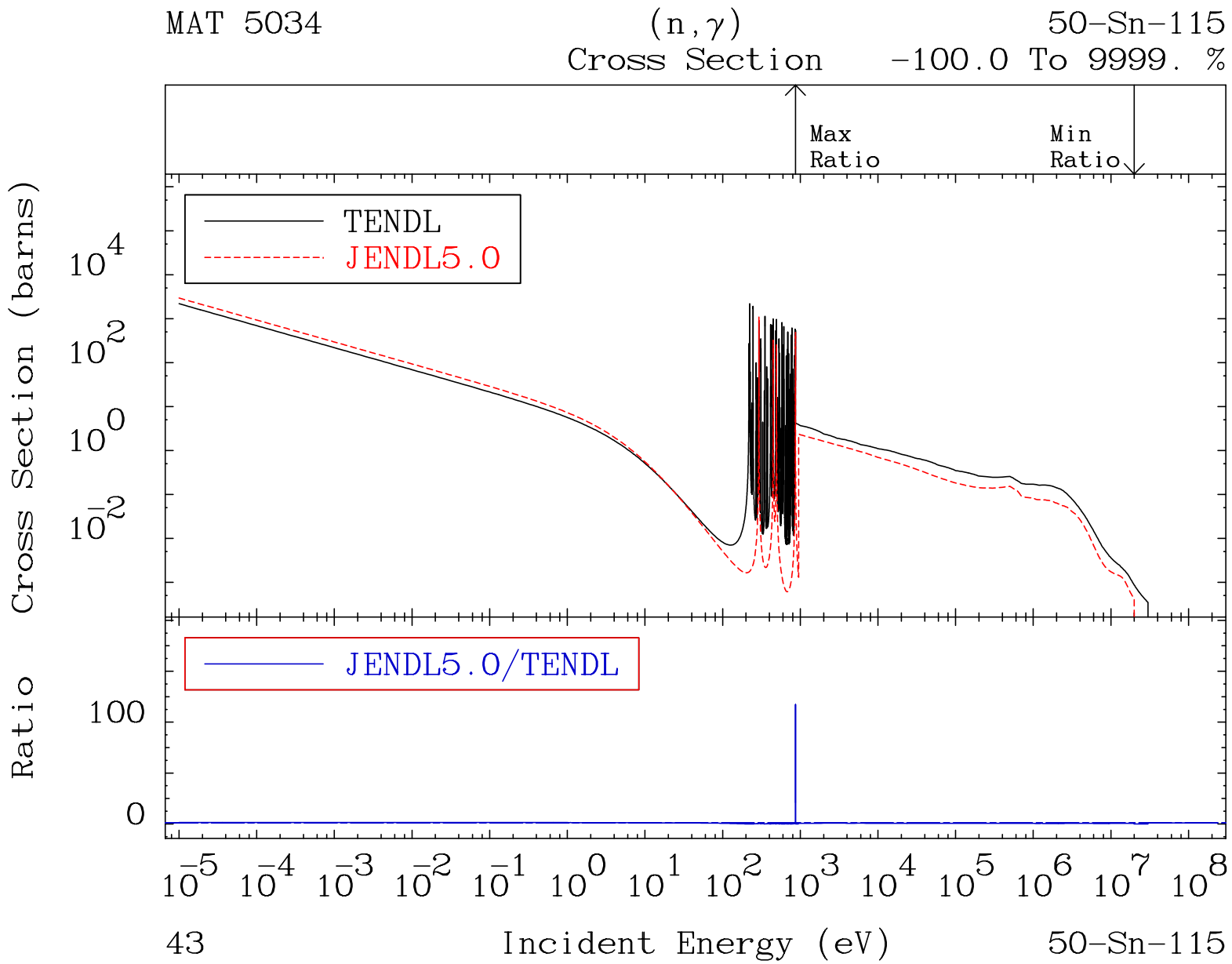

MAT 5034
MT= 77 (n,n') Level
50-Sn-115
Cross Section -100.0 To 94.26 %
Max
Ratio
TENDL Threshold 2.2269 MeV
JENDL5.0 Threshold 2.2269 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
38
Incident Energy (eV)
50-Sn-115

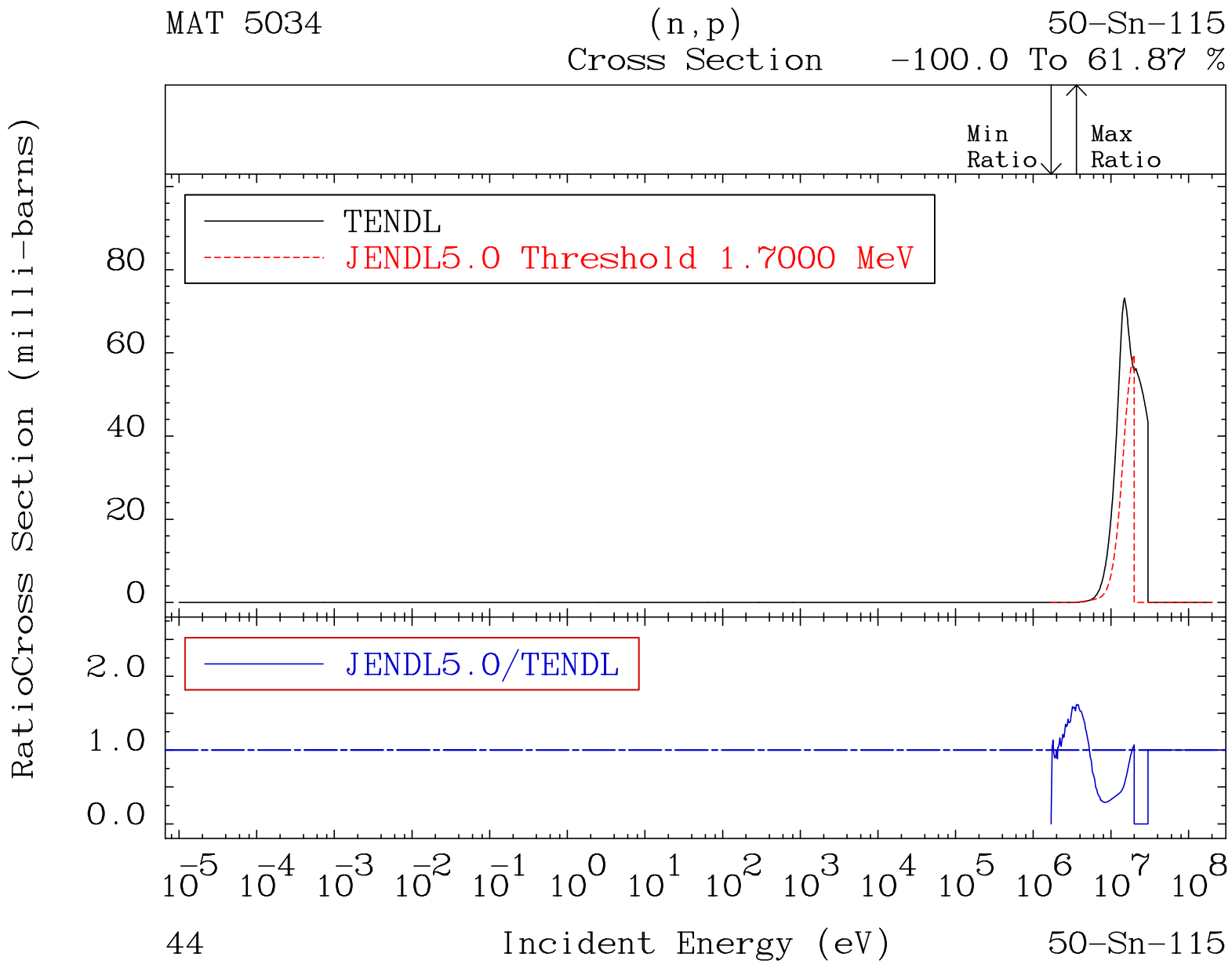

MAT 5034
MT= 78 (n,n') Level
50-Sn-115
Cross Section
-100.0 To 1235. %
Max
Ratio
TENDL Threshold 2.2498 MeV
JENDL5.0 Threshold 2.2498 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
20
10
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
39
Incident Energy (eV)
50-Sn-115

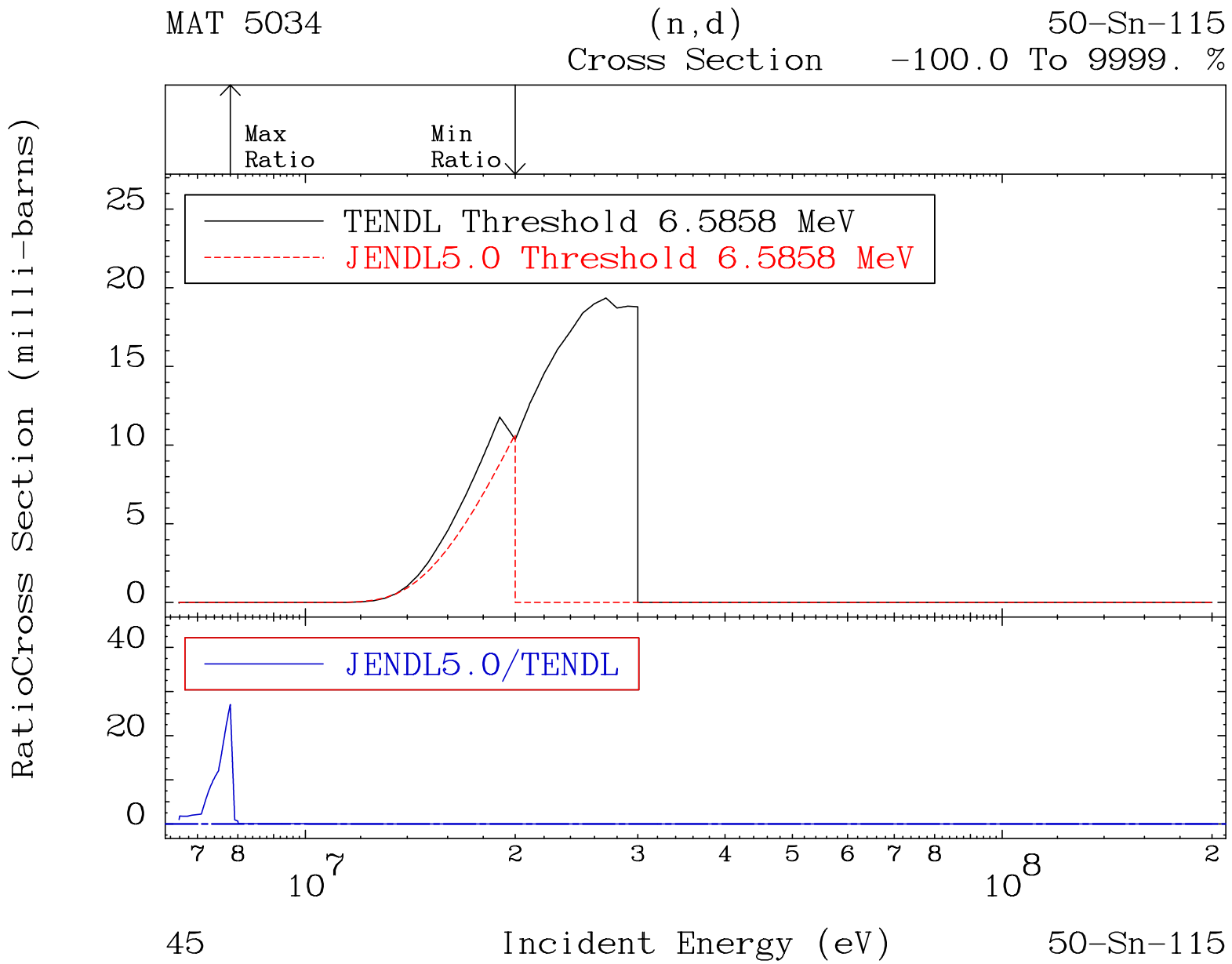

MAT 5034
MT= 79 (n,n') Level
50-Sn-115
Cross Section
-100.0 To 187.8 %
Max Ratio
Min Ratio
TENDL Threshold 2.2849 MeV
JENDL5.0 Threshold 2.2849 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
4
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
40
Incident Energy (eV)
50-Sn-115

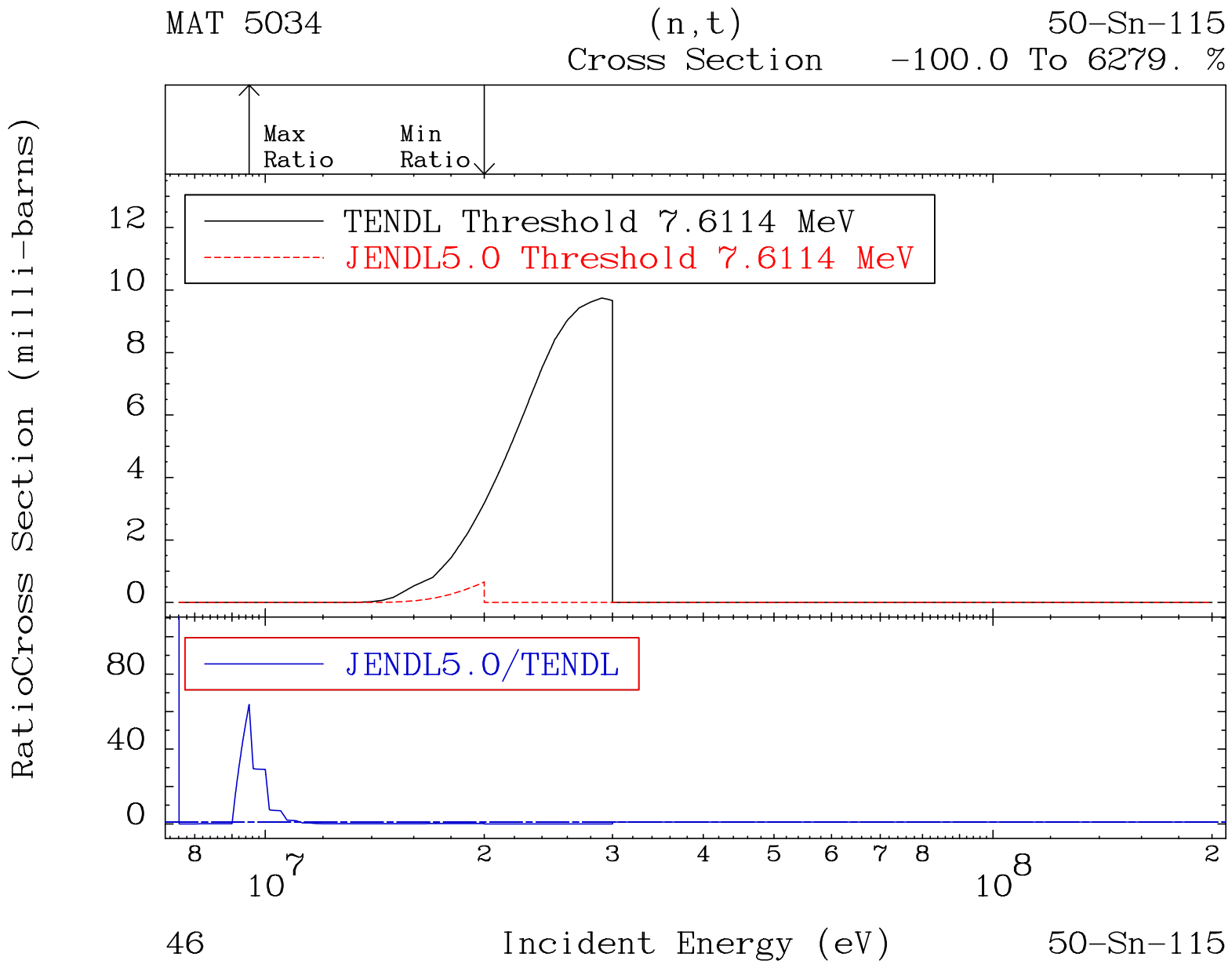

MAT 5034
MT= 80 (n,n') Level
50-Sn-115
Cross Section
-100.0 To 8.446 %
Max
Ratio
TENDL Threshold 2.3222 MeV
JENDL5.0 Threshold 2.3222 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.2
0.6
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
41
Incident Energy (eV)
50-Sn-115

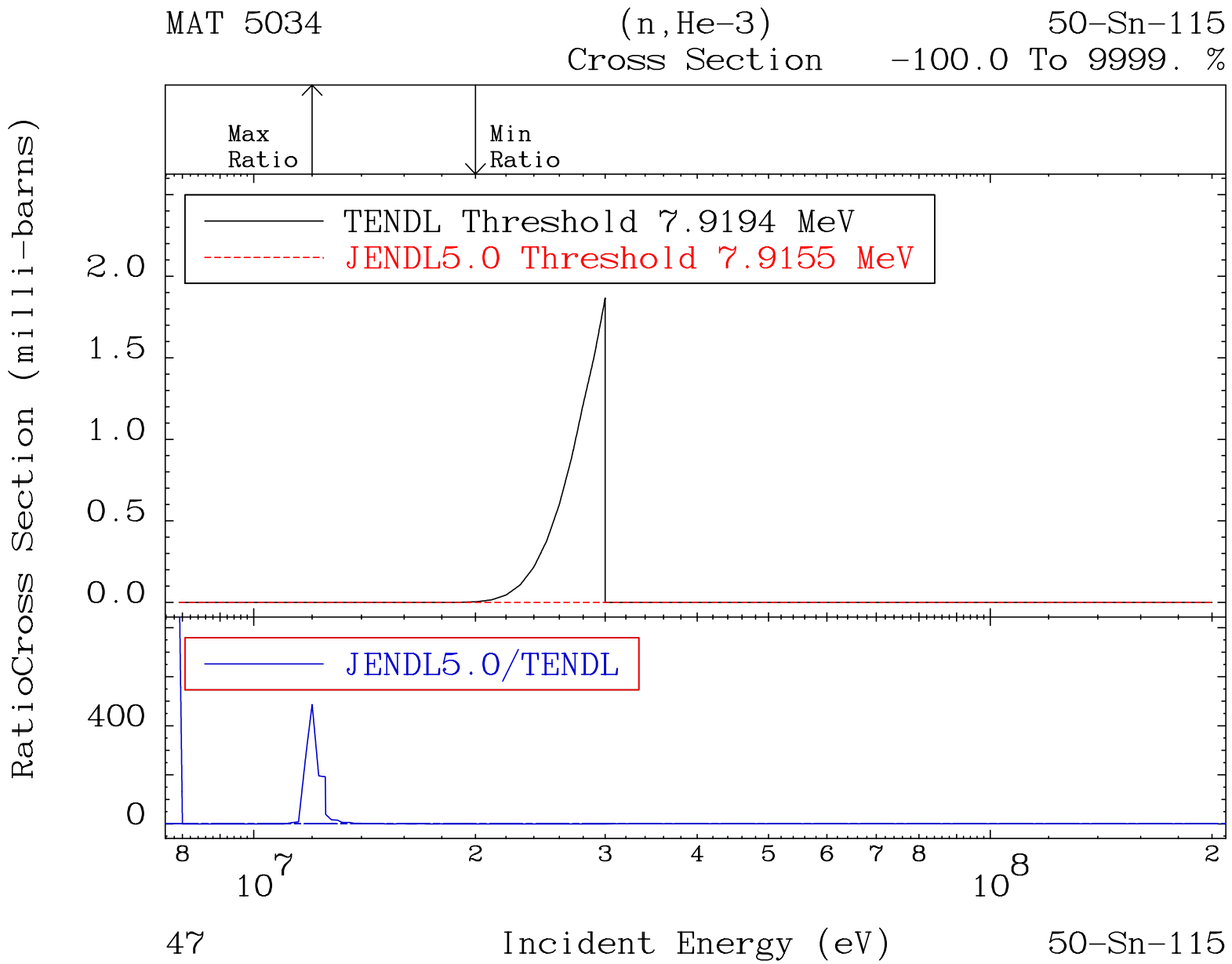

MAT 5034
(n,n') Continuum
Cross Section
50-Sn-115
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.3222 MeV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
42
50-Sn-115

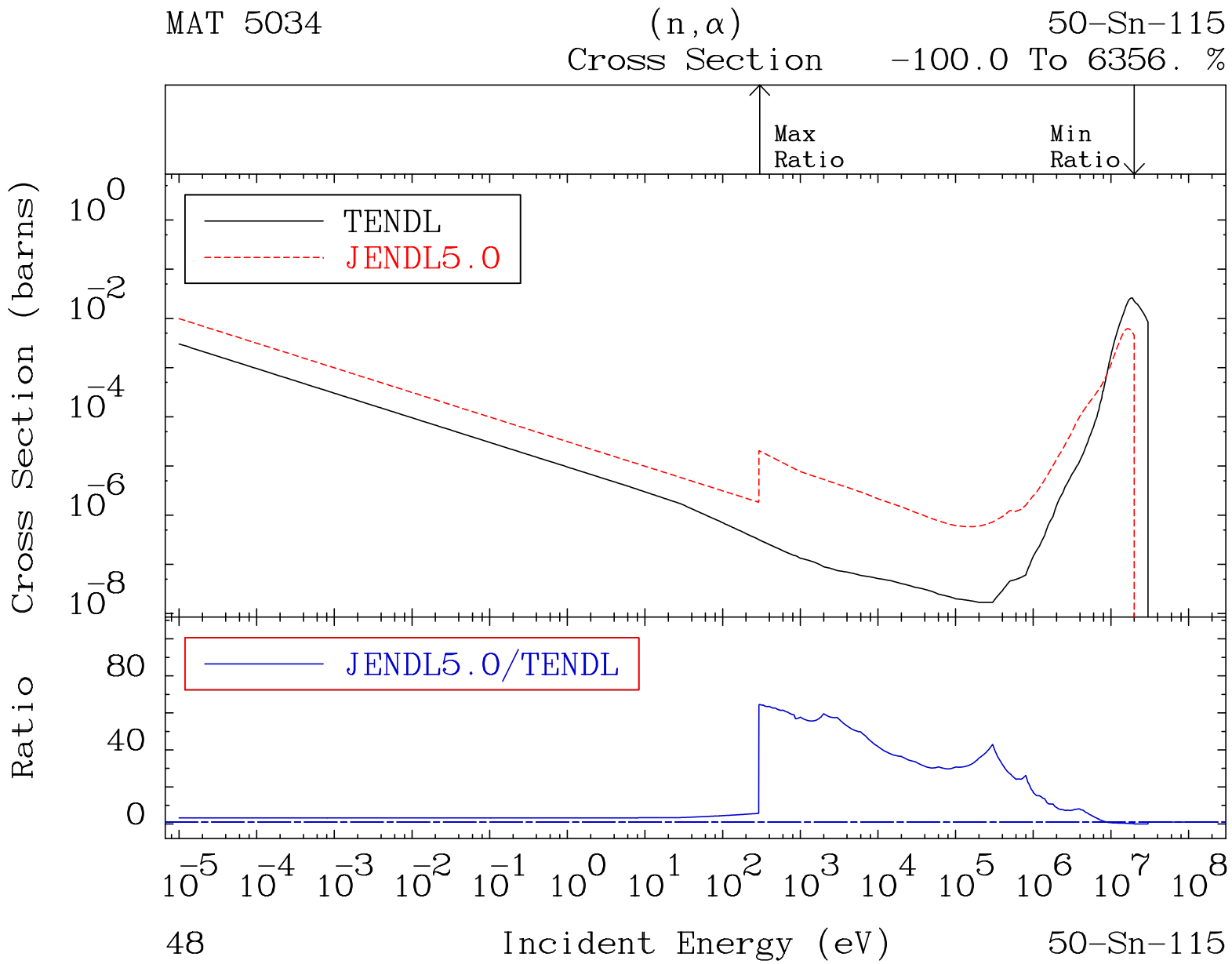

MAT 5034
(n,γ)
Cross Section
50-Sn-115
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^4
10^2
10^0
10^-2
JENDL5.0/TENDL
Ratio
100
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
43
Incident Energy (eV)
50-Sn-115

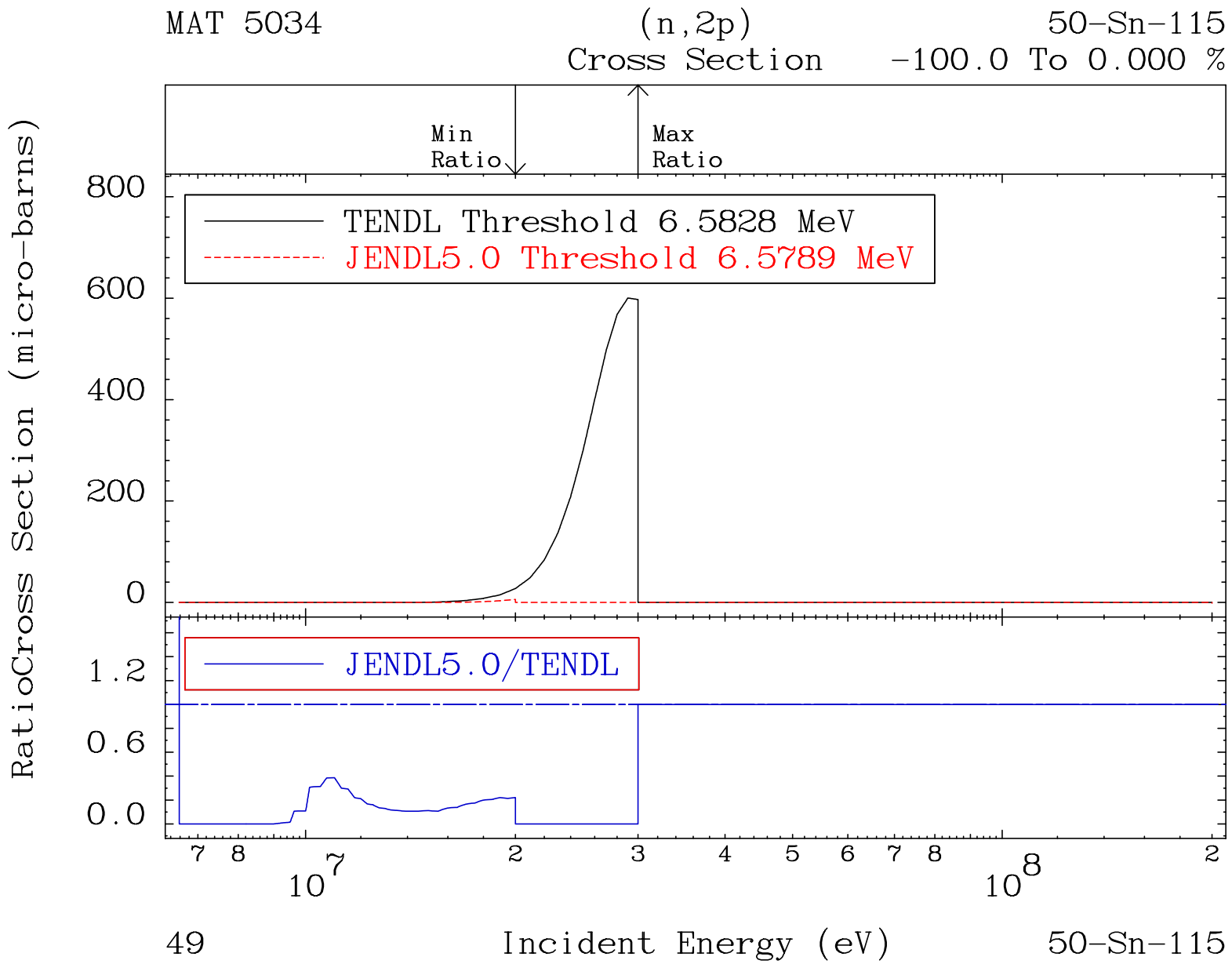

MAT 5034
(n,p)
Cross Section
50-Sn-115
-100.0 To 61.87 %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 1.7000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
44
Incident Energy (eV)
50-Sn-115

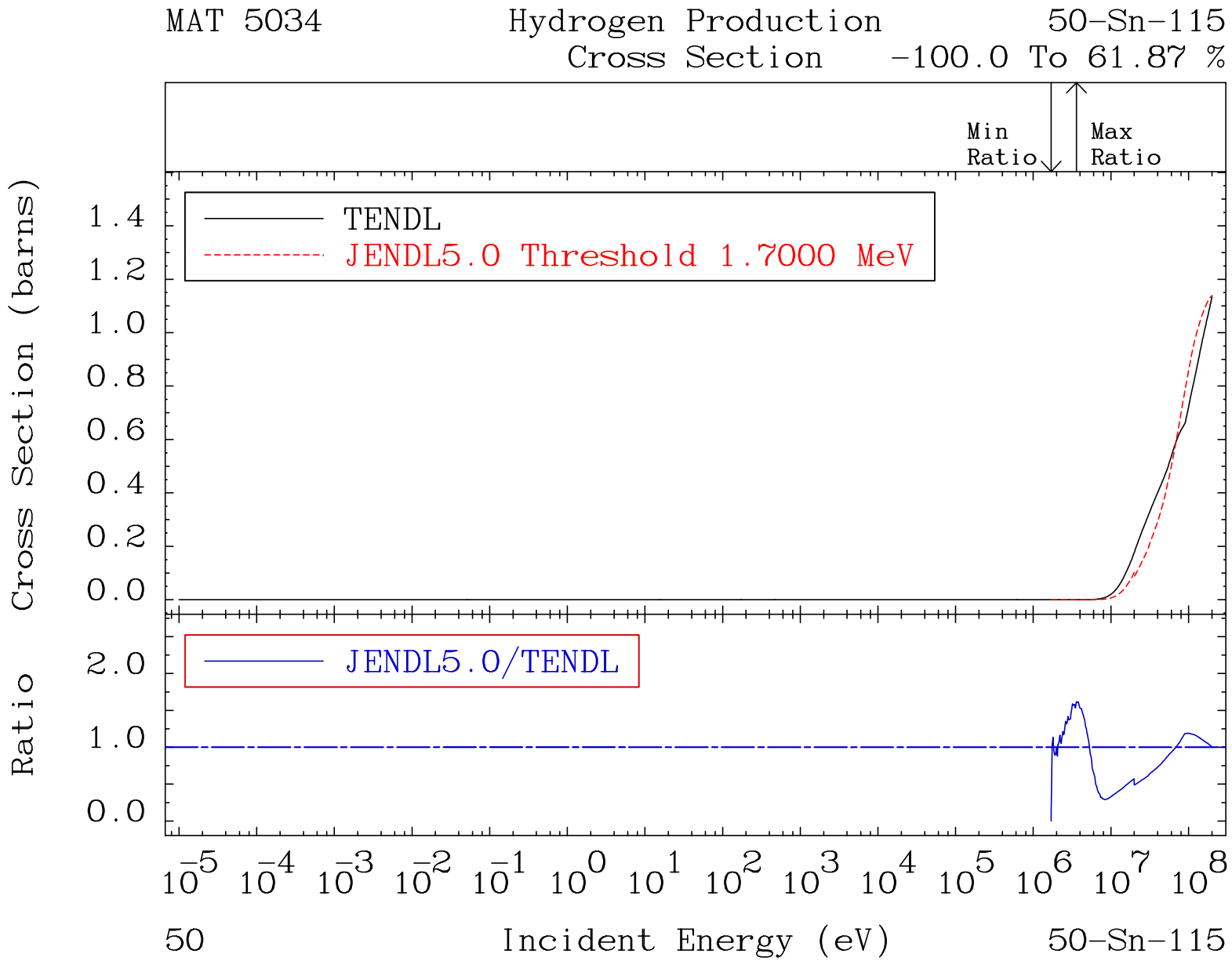

MAT 5034
(n,d)
50-Sn-115
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.5858 MeV
JENDL5.0 Threshold 6.5858 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
45
50-Sn-115

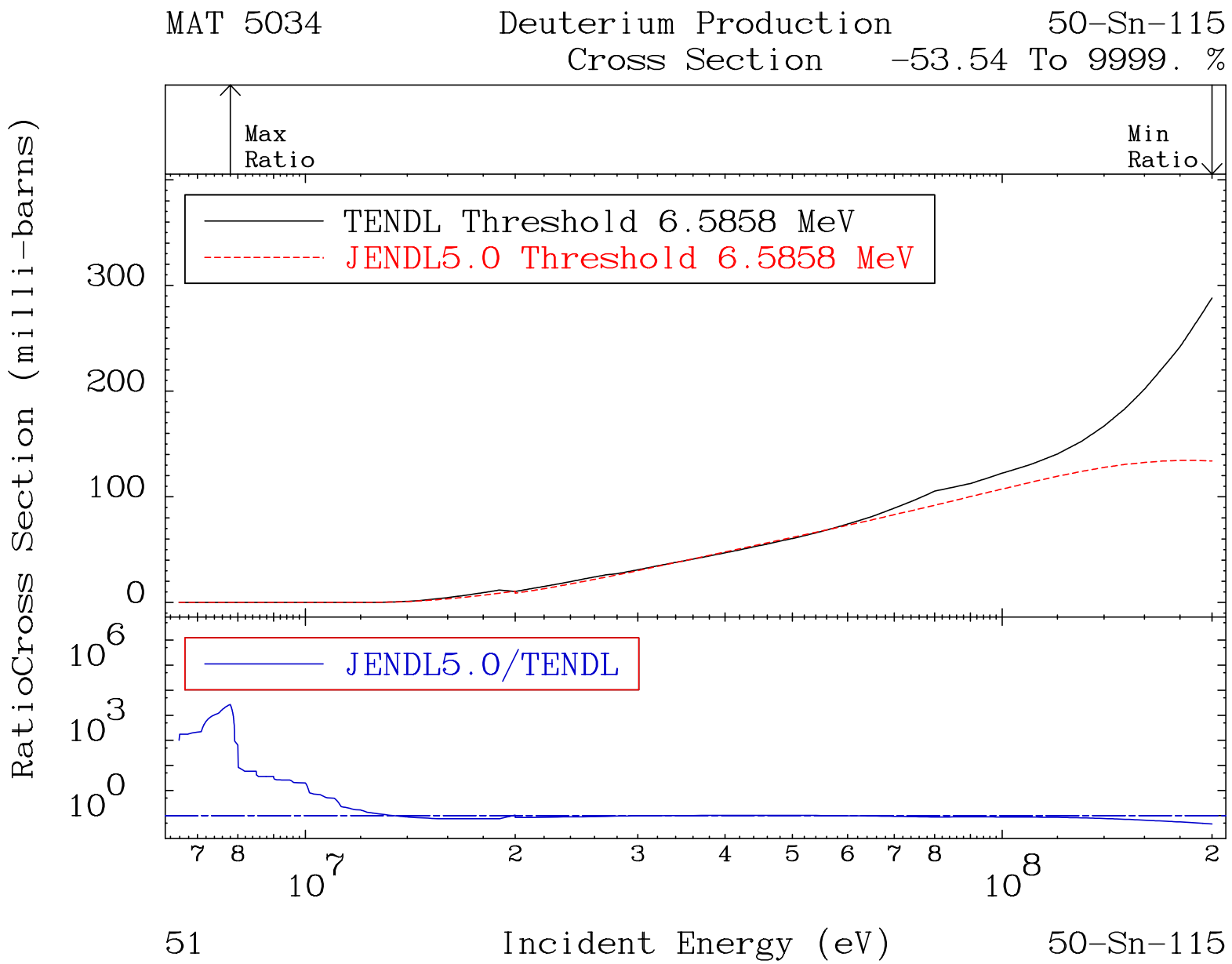

MAT 5034
(n,t)
50-Sn-115
Cross Section
-100.0 To 6279. %
Max Ratio
Min Ratio
TENDL Threshold 7.6114 MeV
JENDL5.0 Threshold 7.6114 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
80
40
0
8
10^7
2
3
4
5
6
7
8
10^8
2
46
Incident Energy (eV)
50-Sn-115

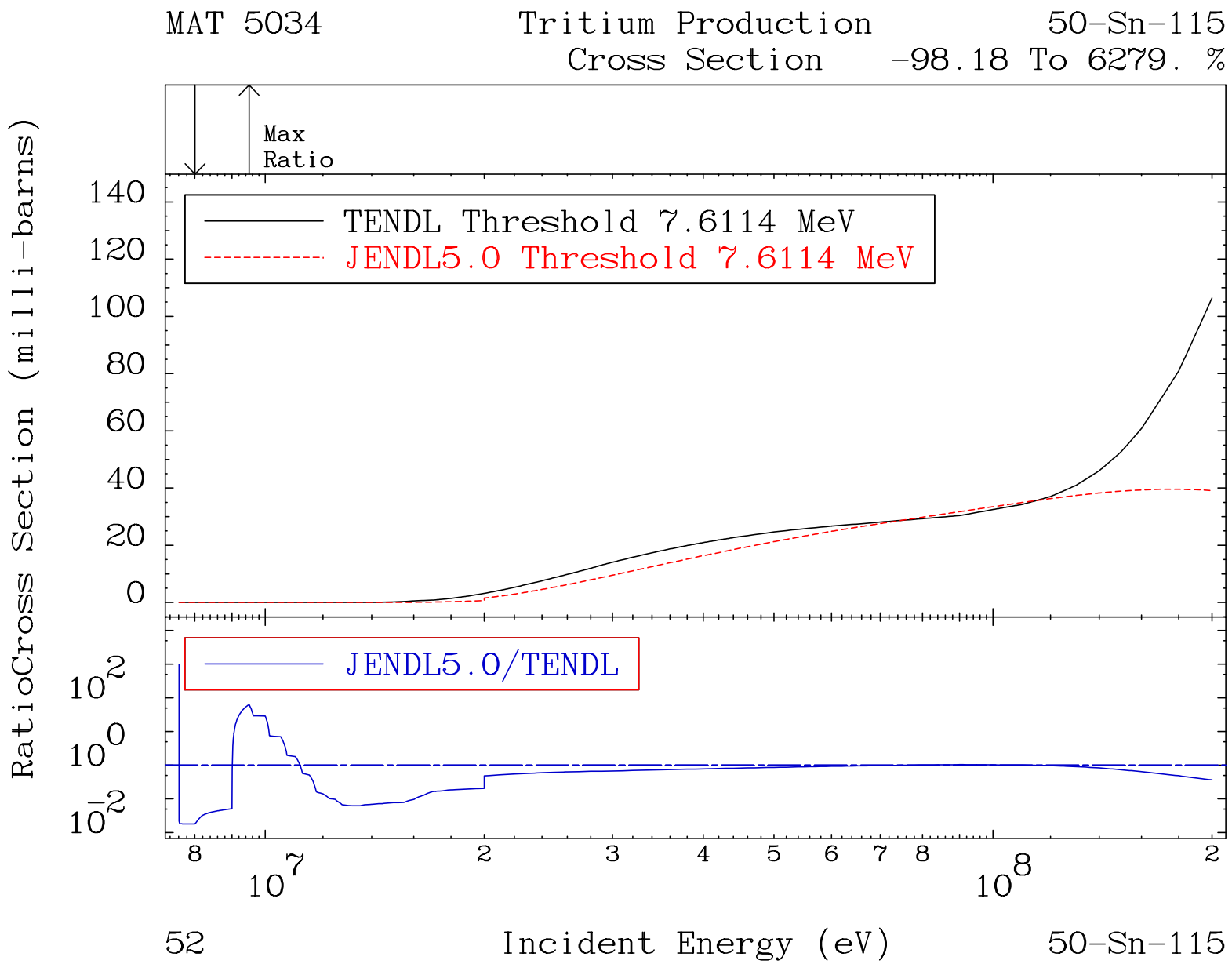

MAT 5034
(n,He-3)
Cross Section
50-Sn-115
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 7.9194 MeV
JENDL5.0 Threshold 7.9155 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
400
0
8
10^7
2
3
4
5
6
7
8
10^8
2
47
Incident Energy (eV)
50-Sn-115

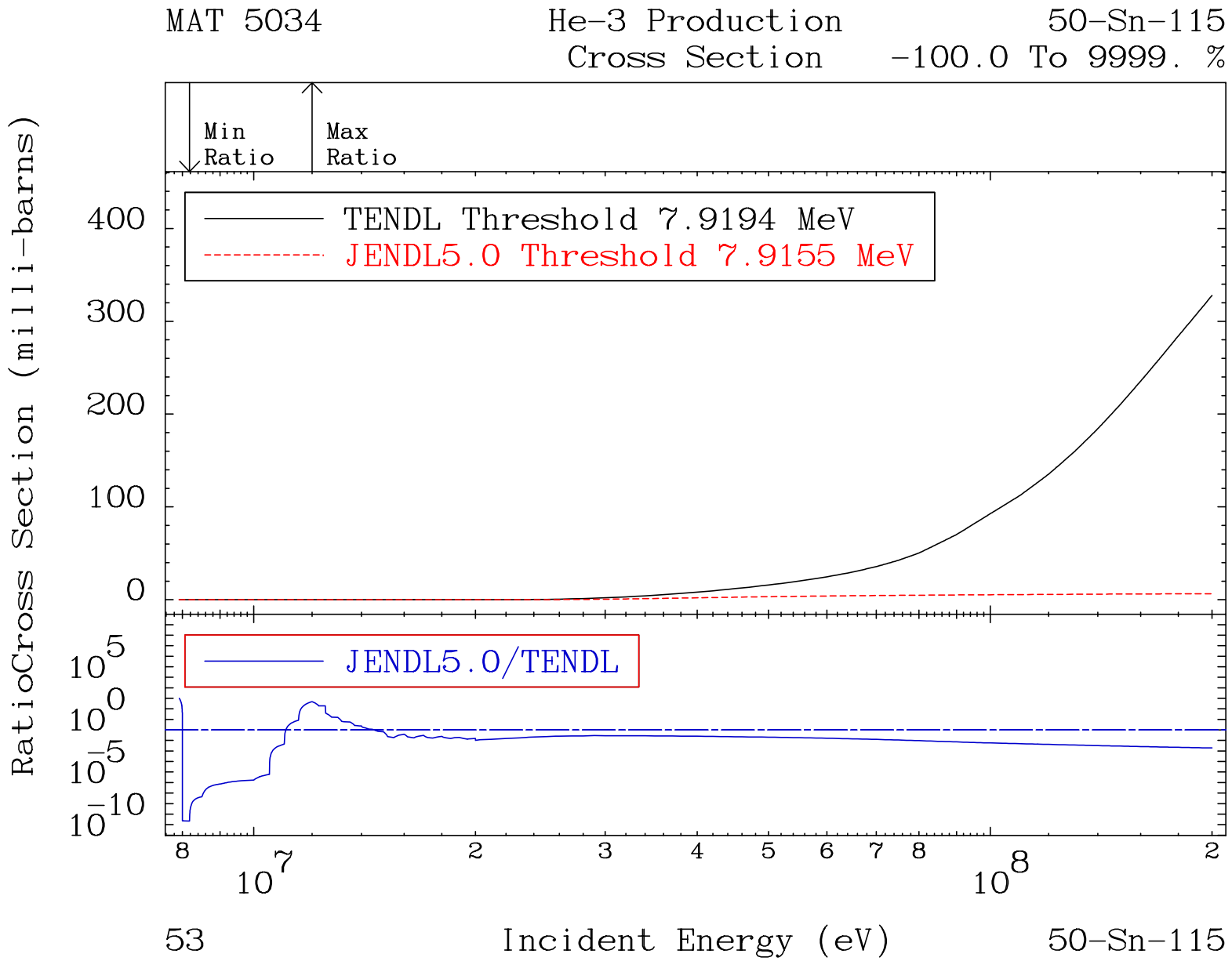

MAT 5034
(n,α)
Cross Section
50-Sn-115
-100.0 To 6356. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48
50-Sn-115

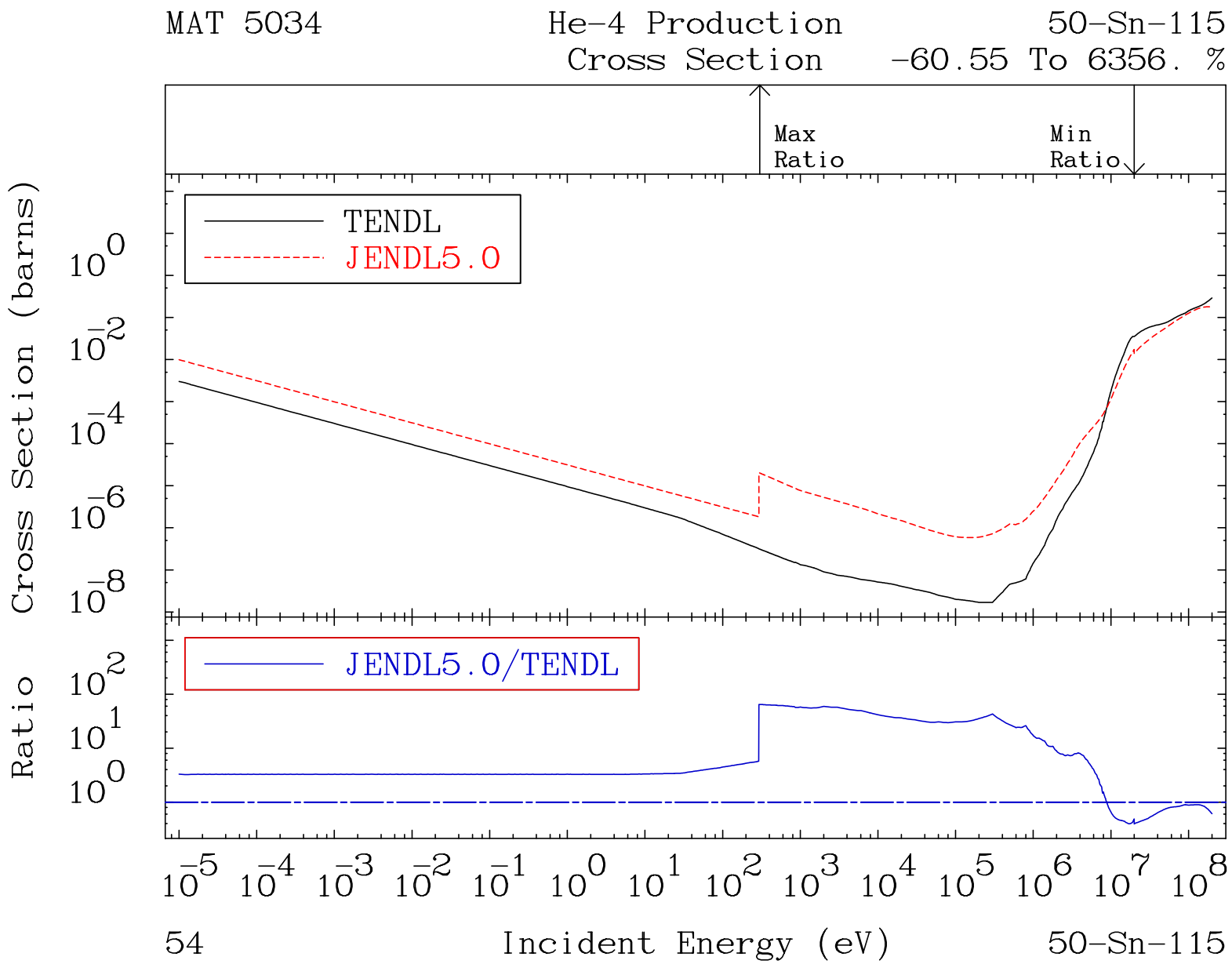

MAT 5034
(n,2p)
Cross Section
50-Sn-115
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 6.5828 MeV
JENDL5.0 Threshold 6.5789 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
800
600
400
200
0
1.2
0.6
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
49
Incident Energy (eV)
50-Sn-115

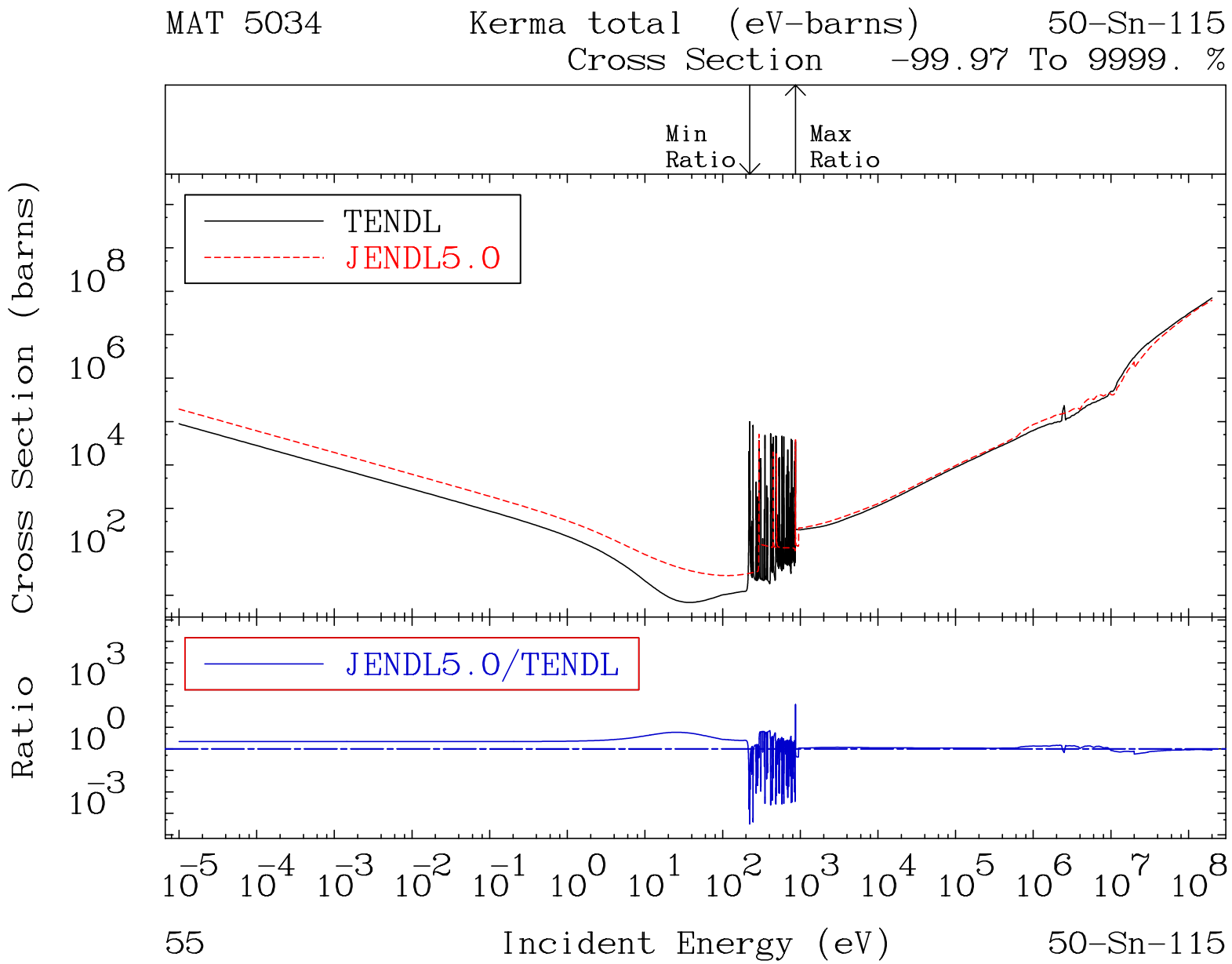

MAT 5034
Hydrogen Production
50-Sn-115
Cross Section
-100.0 To 61.87 %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 1.7000 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
50
Incident Energy (eV)
50-Sn-115

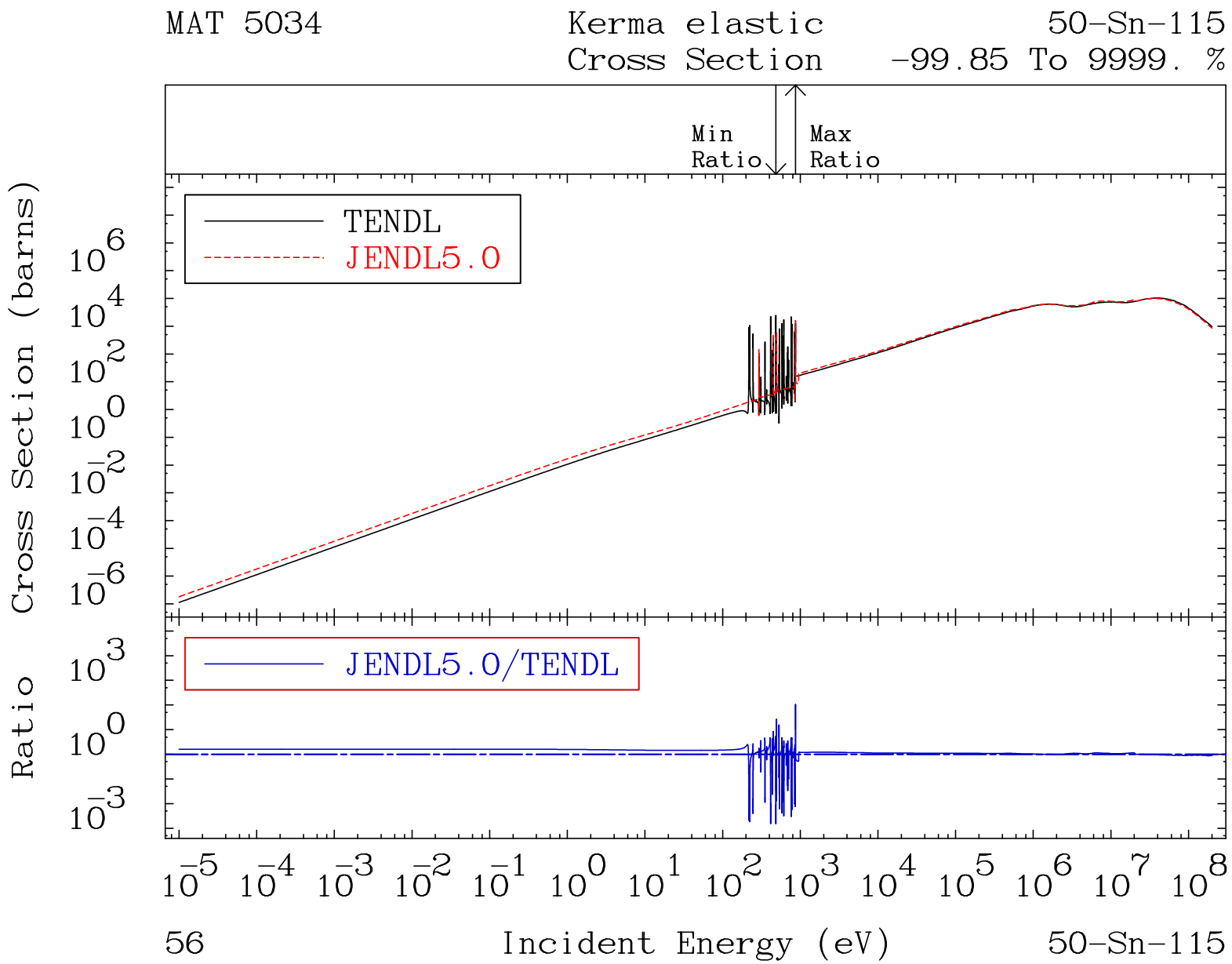

MAT 5034
Deuterium Production
50-Sn-115
Cross Section
-53.54 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.5858 MeV
JENDL5.0 Threshold 6.5858 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
200
100
0
10^6
10^3
10^0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
51
Incident Energy (eV)
50-Sn-115

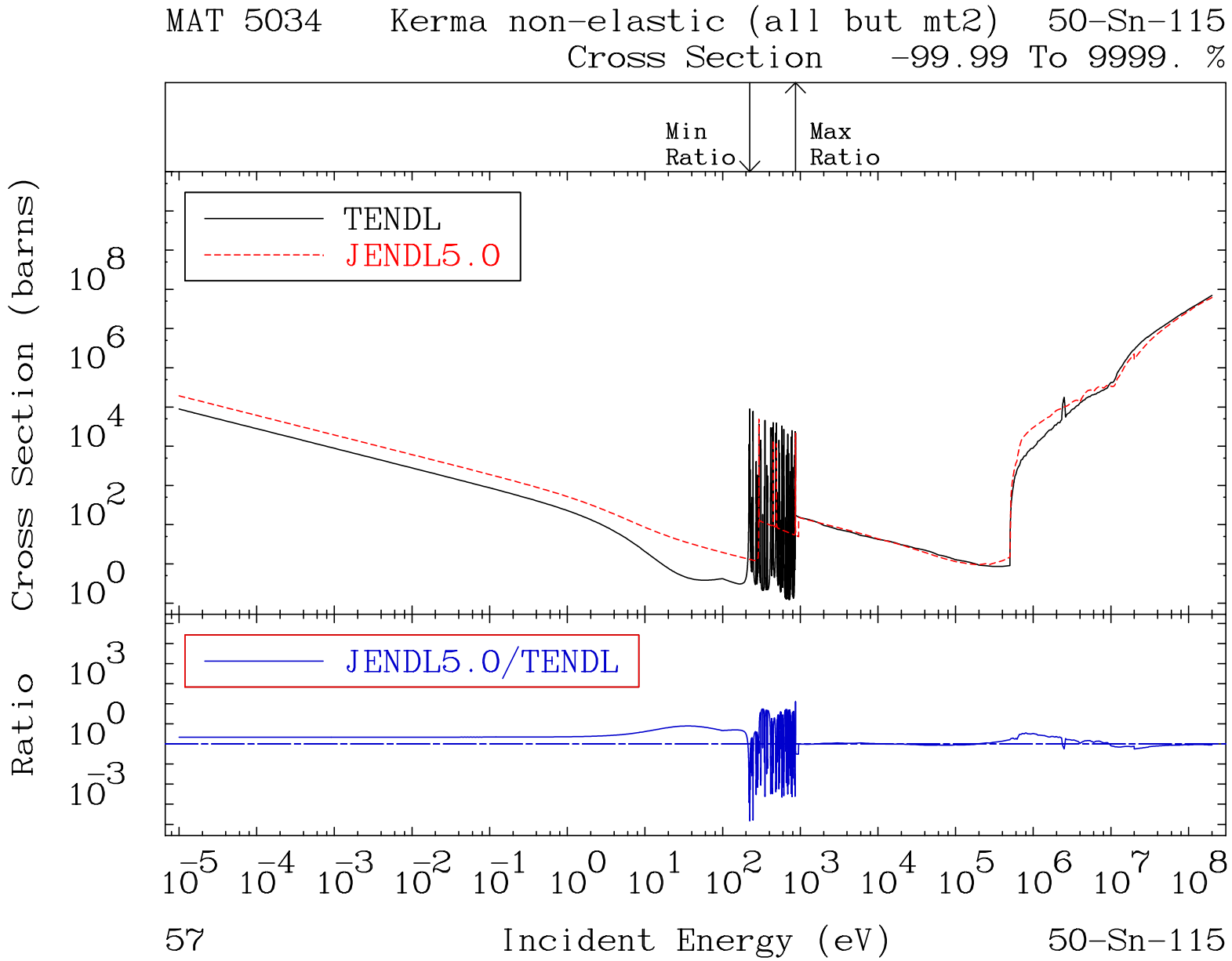

MAT 5034
Tritium Production
50-Sn-115
Cross Section
-98.18 To 6279. %
Max
Ratio
TENDL Threshold 7.6114 MeV
JENDL5.0 Threshold 7.6114 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
10^{2}
10^{0}
10^{-2}
8
10^{7}
2
3
4
5
6
7
8
10^{8}
2
52
Incident Energy (eV)
50-Sn-115

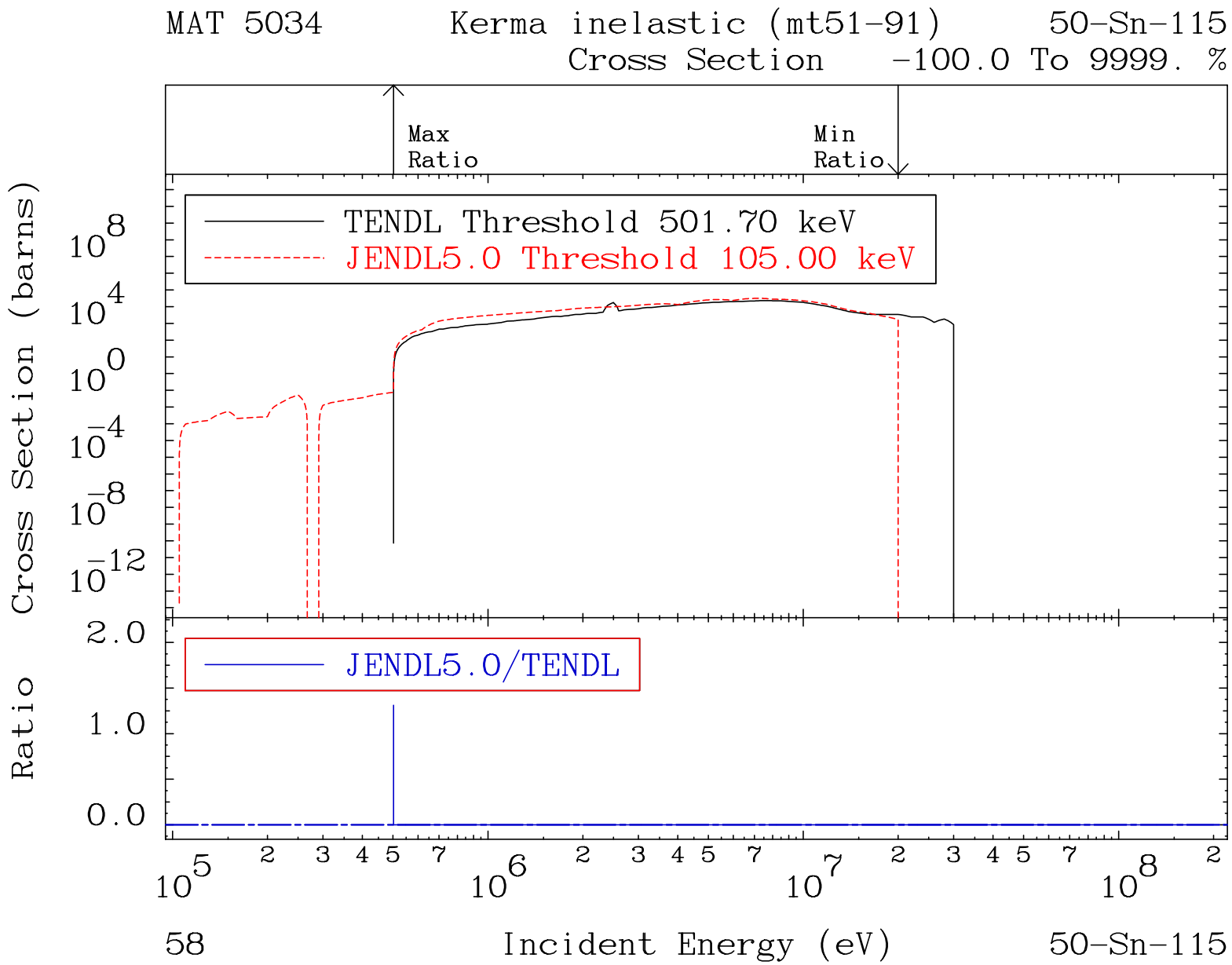

MAT 5034
He-3 Production
Cross Section
50-Sn-115
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 7.9194 MeV
JENDL5.0 Threshold 7.9155 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
10^5
10^0
10^-5
10^-10
8
2
3
4
5
6
7
8
2
10^7
10^8
53
Incident Energy (eV)
50-Sn-115

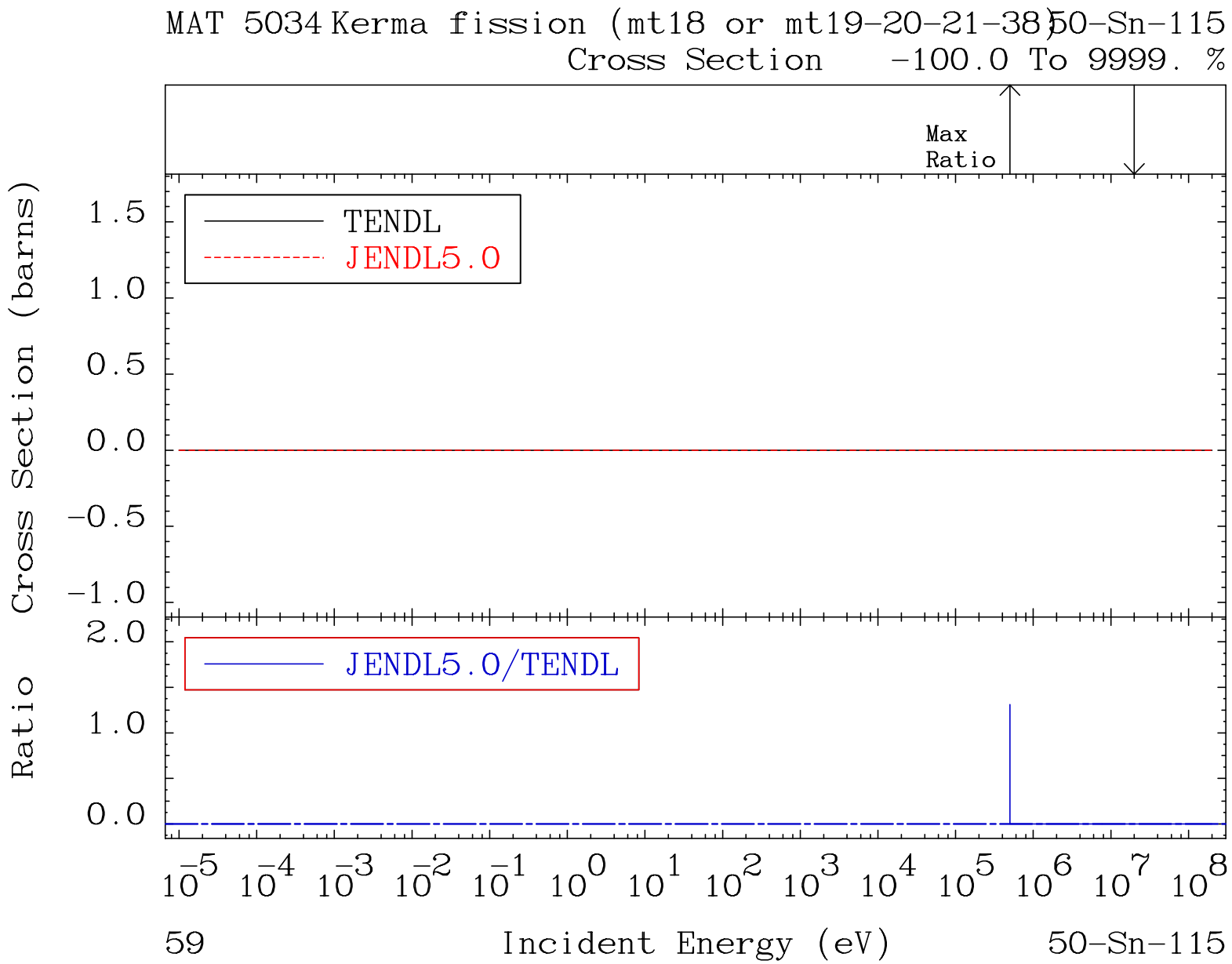

MAT 5034
He-4 Production
Cross Section
50-Sn-115
-60.55 To 6356. %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
54
50-Sn-115

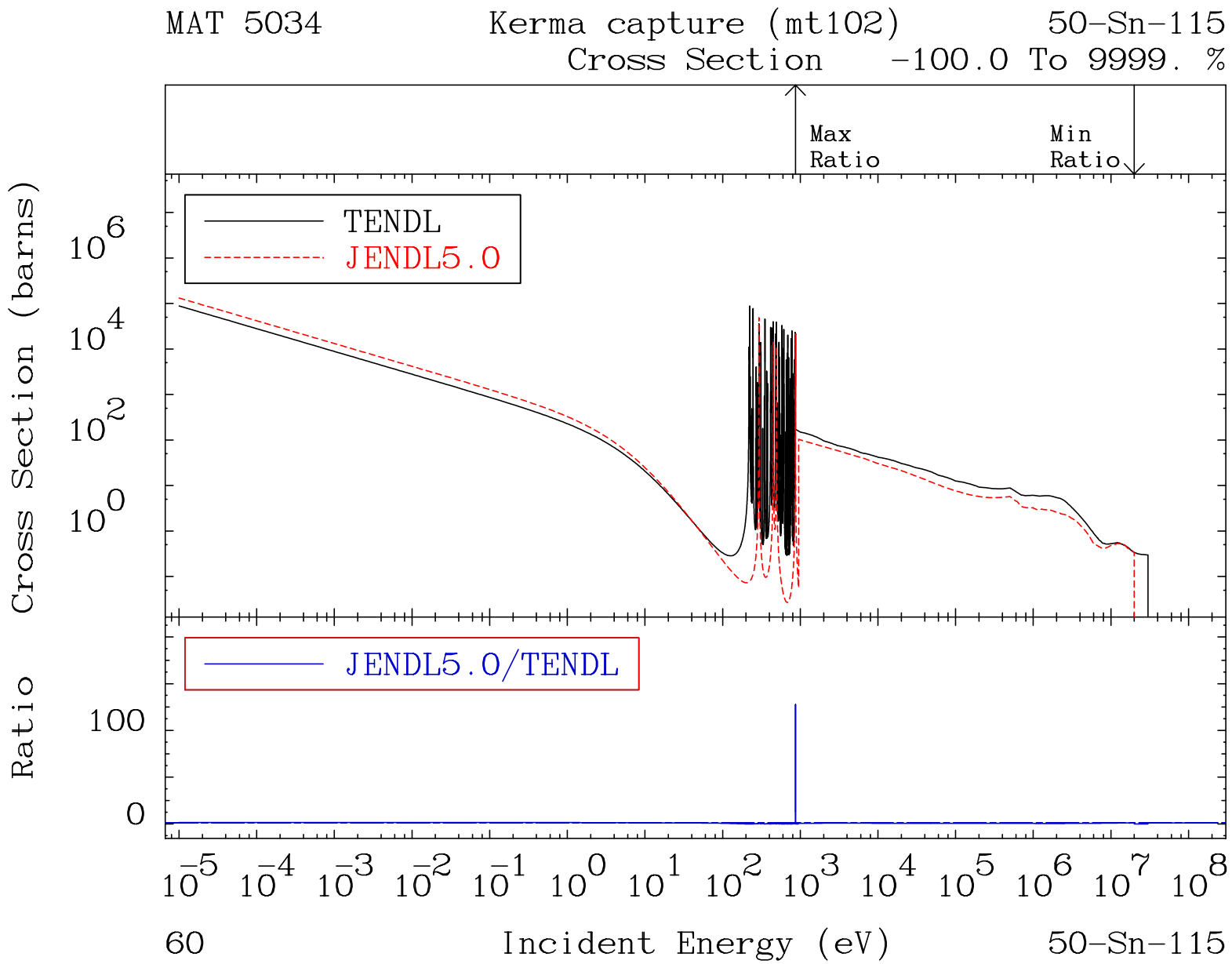

MAT 5034
Kerma total (eV-barns)
50-Sn-115
Cross Section -99.97 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
55
50-Sn-115

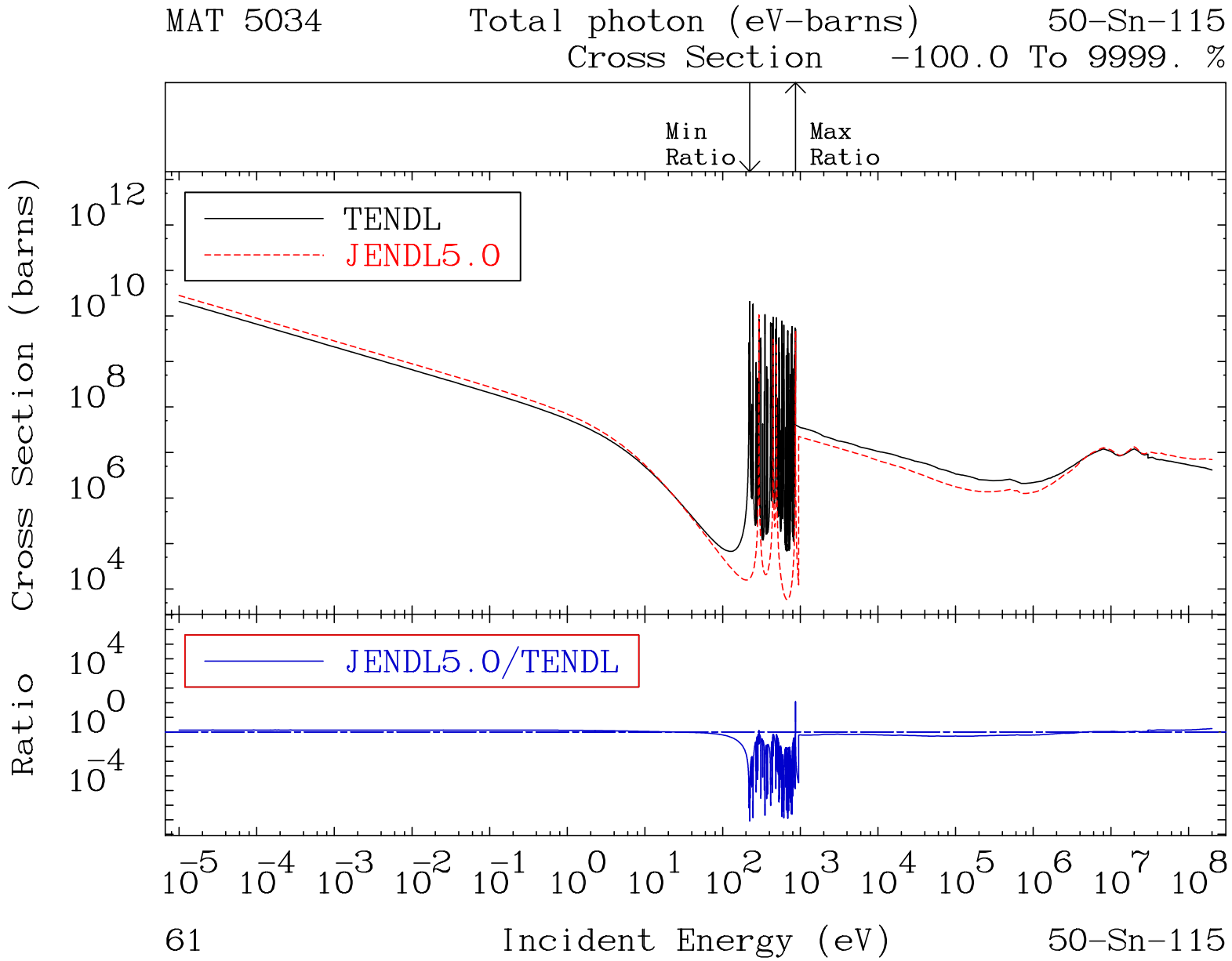

MAT 5034
Kerma elastic
Cross Section
50-Sn-115
-99.85 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
56
50-Sn-115

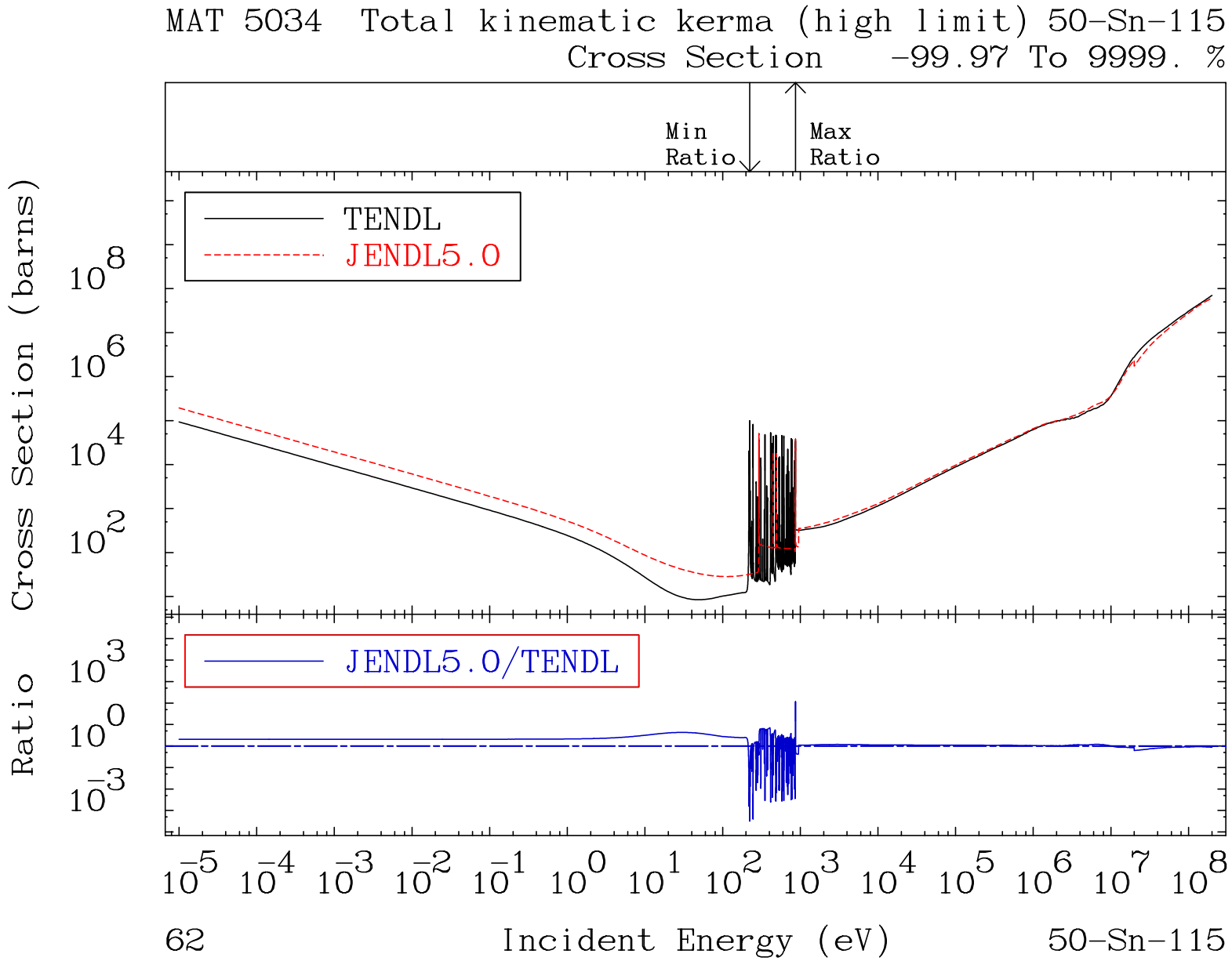

MAT 5034 Kerma non-elastic (all but mt2) 50-Sn-115
Cross Section -99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
57
50-Sn-115

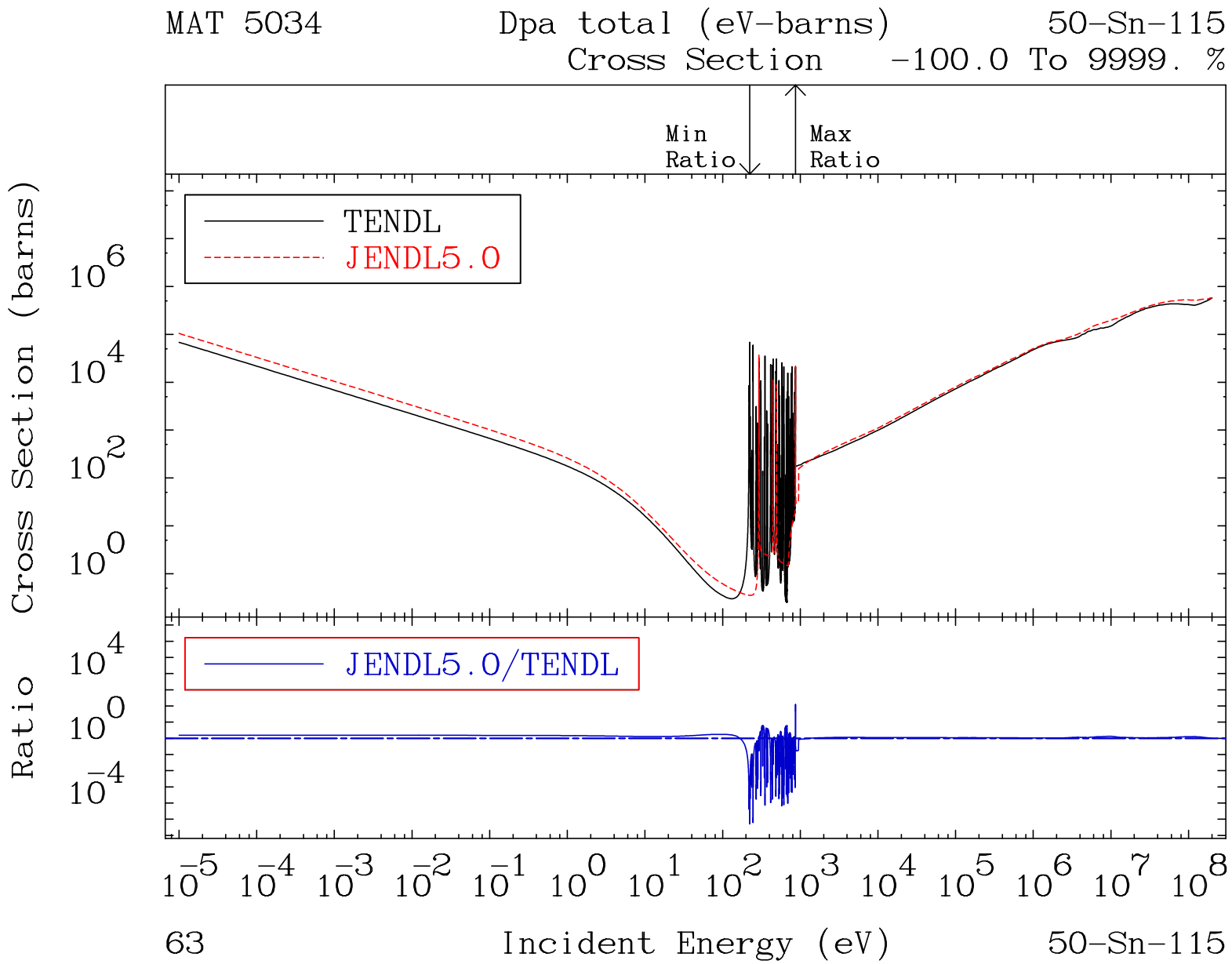

MAT 5034
Kerma inelastic (mt51-91)
50-Sn-115
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 501.70 keV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
50-Sn-115

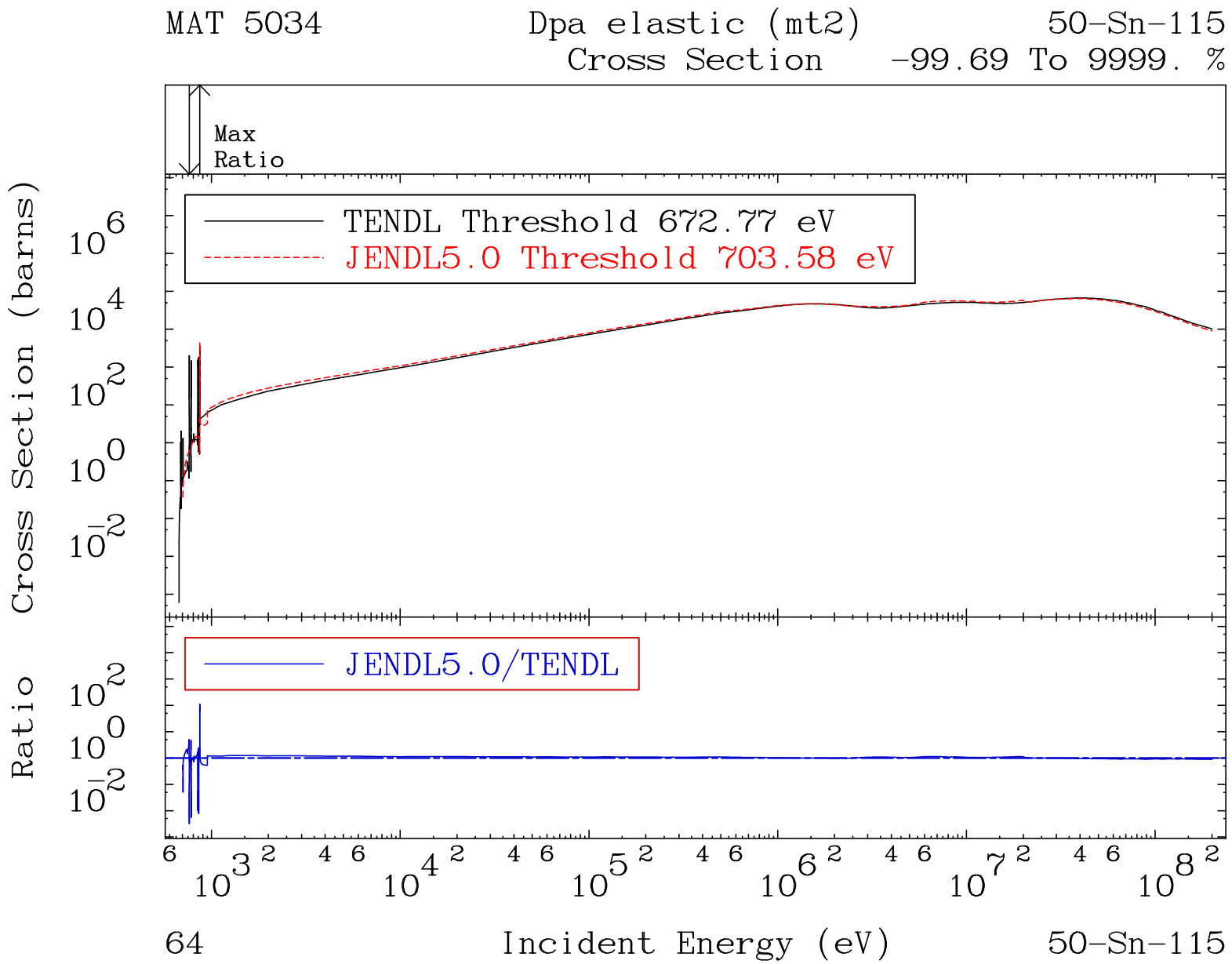

MAT 5034 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-115
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
59
Incident Energy (eV)
50-Sn-115

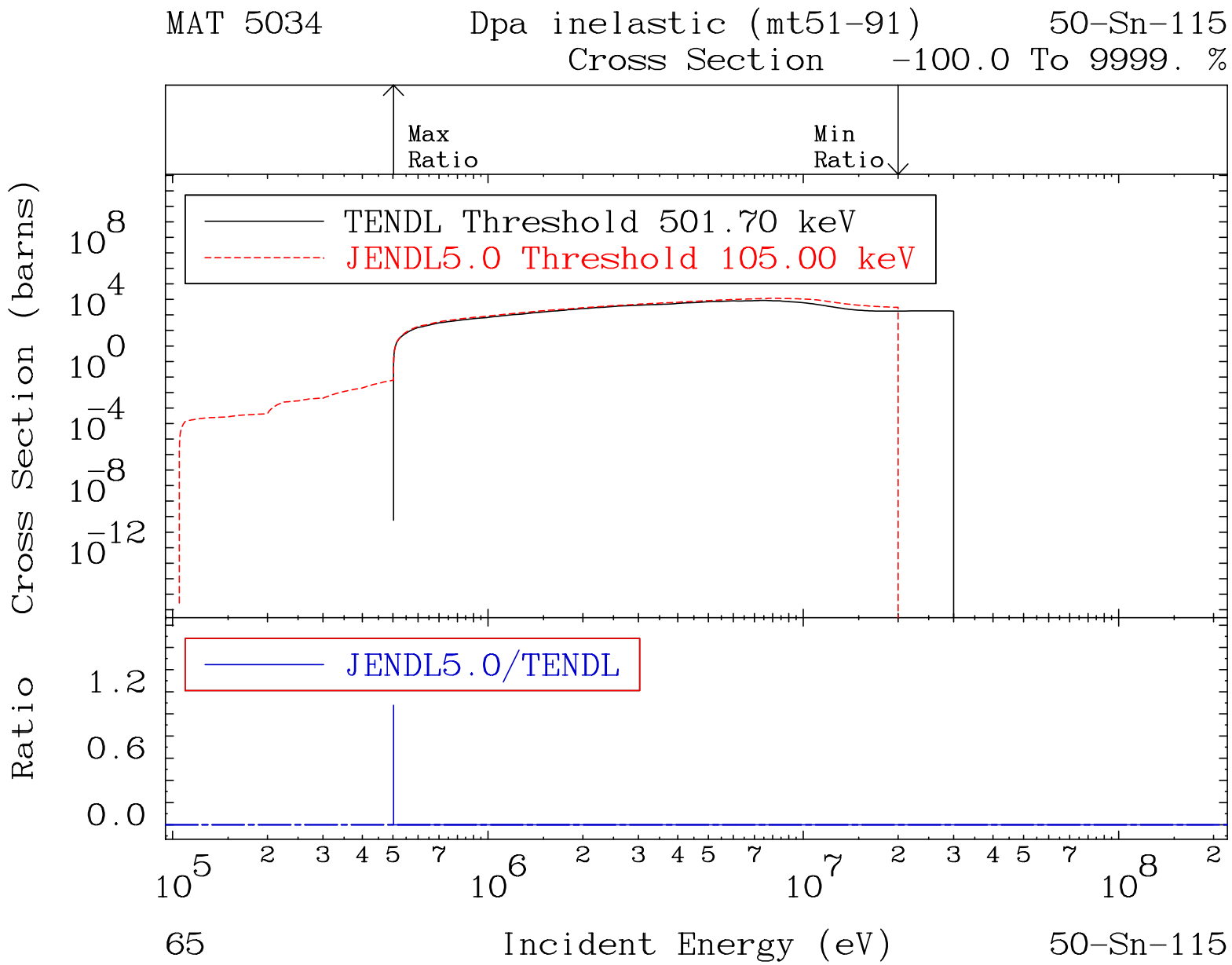

MAT 5034
Kerma capture (mt102)
50-Sn-115
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
60
50-Sn-115

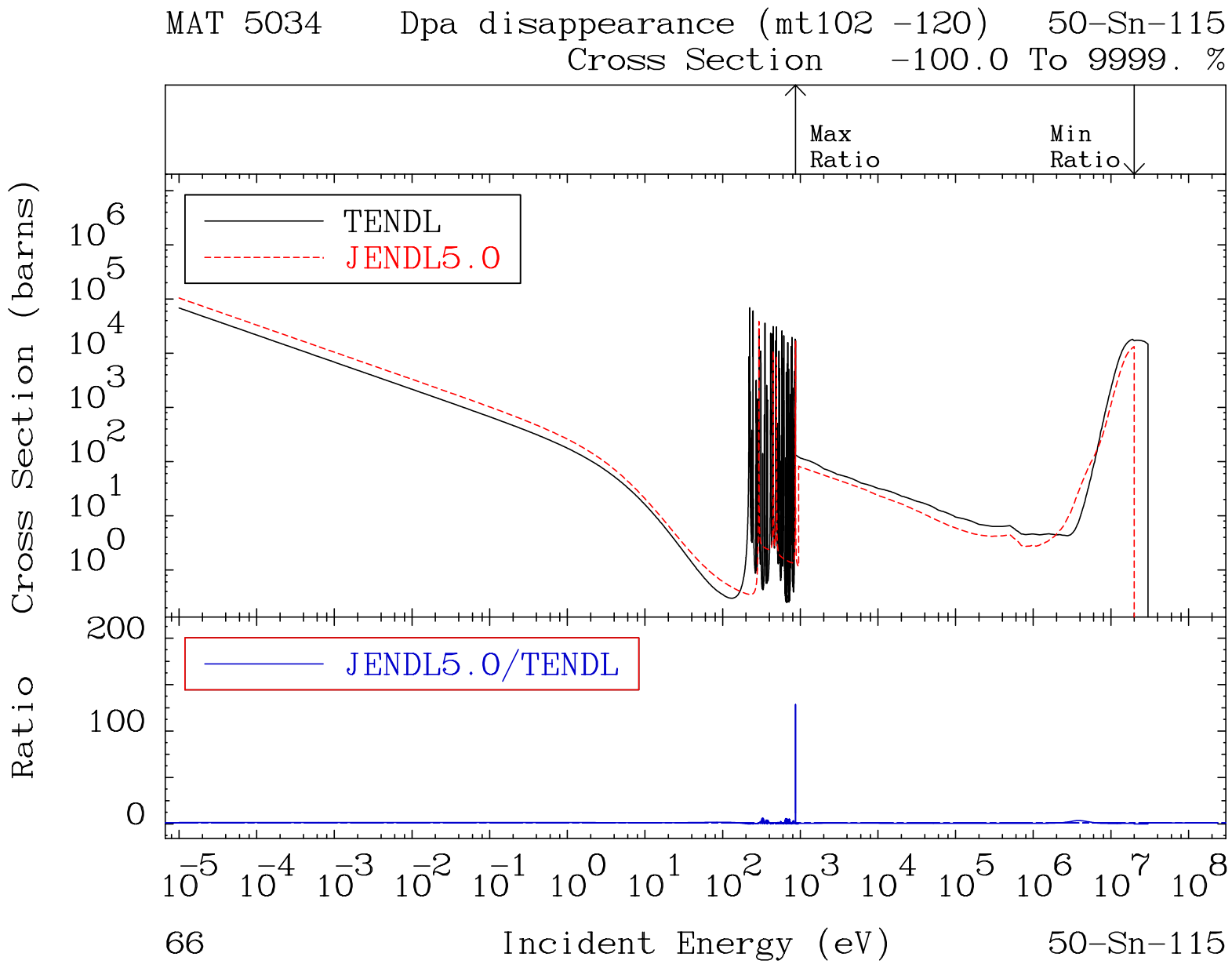

MAT 5034
Total photon (eV-barns)
50-Sn-115
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
50-Sn-115

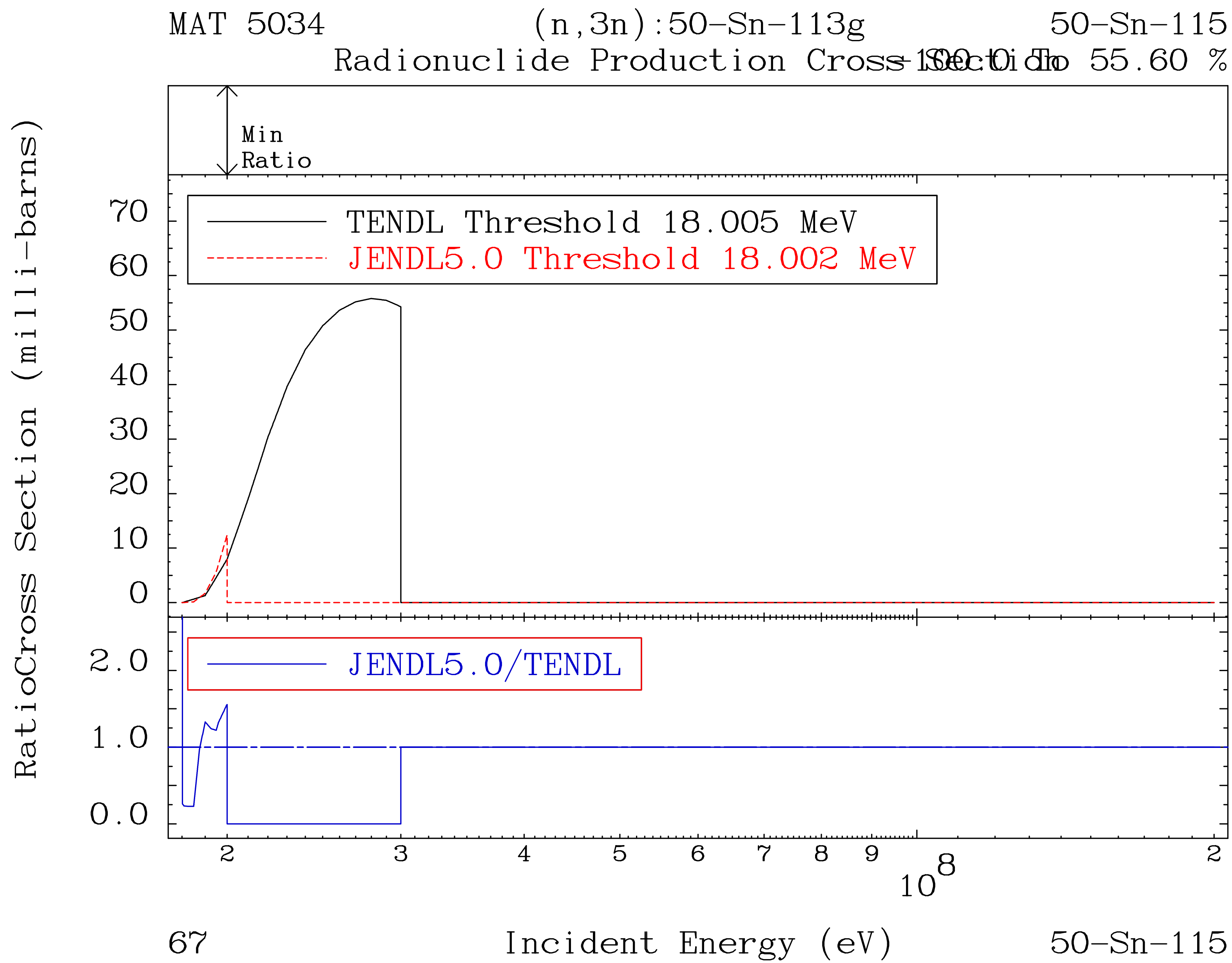

MAT 5034 Total kinematic kerma (high limit) 50-Sn-115
Cross Section -99.97 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
50-Sn-115


MAT 5034
Dpa total (eV-barns)
50-Sn-115
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
63
Incident Energy (eV)
50-Sn-115


MAT 5034
Dpa elastic (mt2)
Cross Section
50-Sn-115
-99.69 To 9999. %
Max
Ratio
TENDL Threshold 672.77 eV
JENDL5.0 Threshold 703.58 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
50-Sn-115

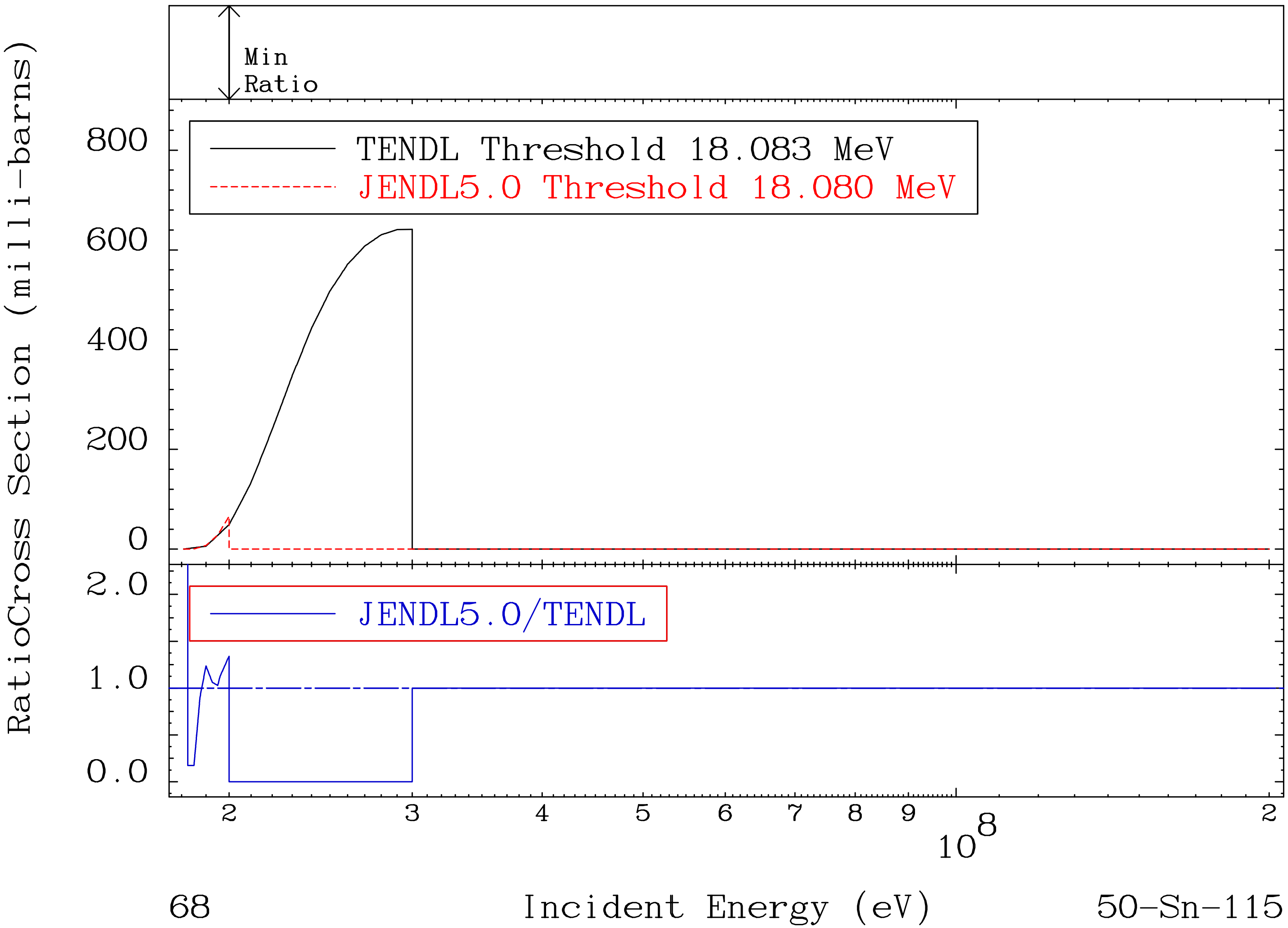

MAT 5034
Dpa inelastic (mt51-91)
50-Sn-115
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 501.70 keV
JENDL5.0 Threshold 105.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
65
50-Sn-115

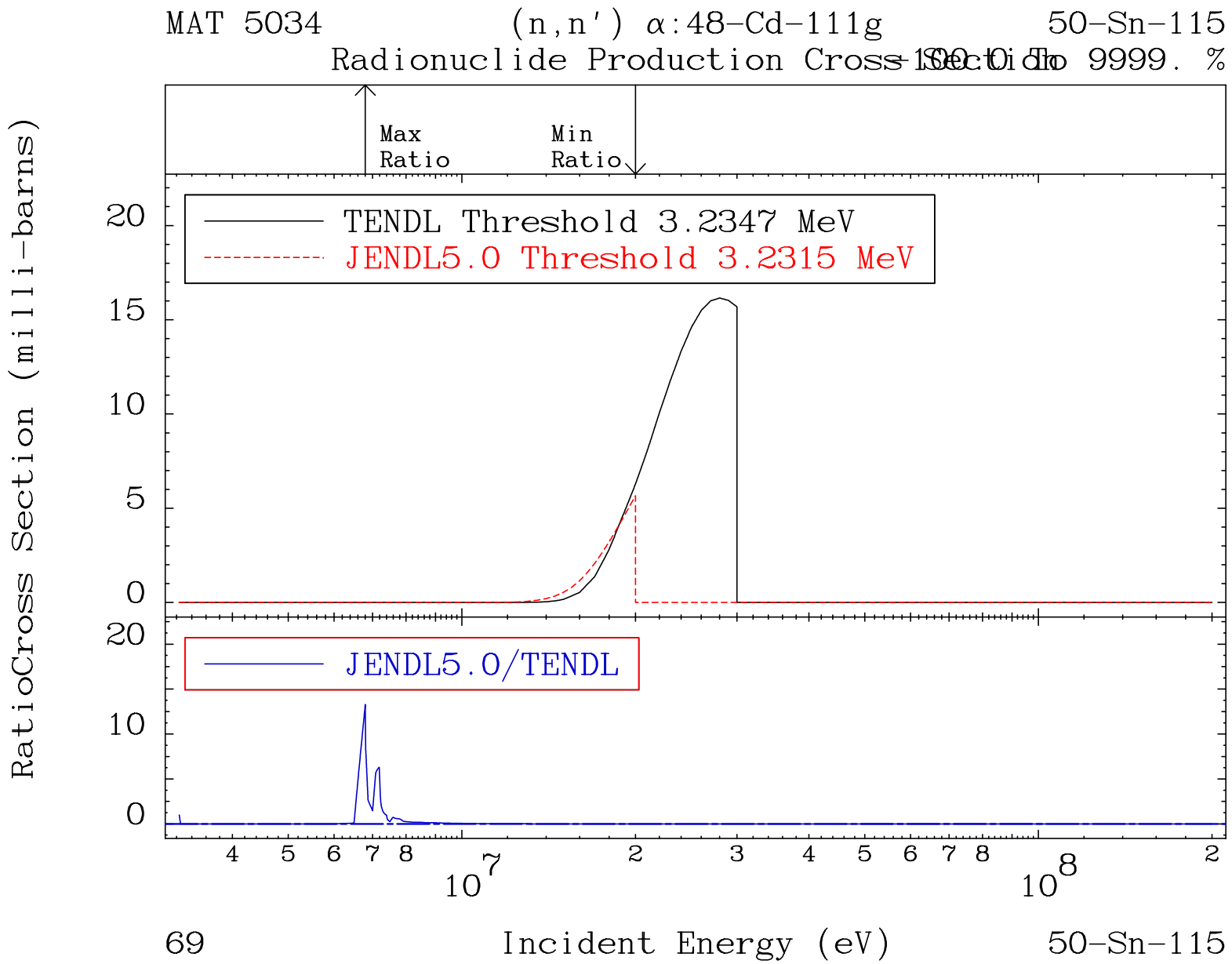

MAT 5034 Dpa disappearance (mt102 -120) 50-Sn-115
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
66
50-Sn-115

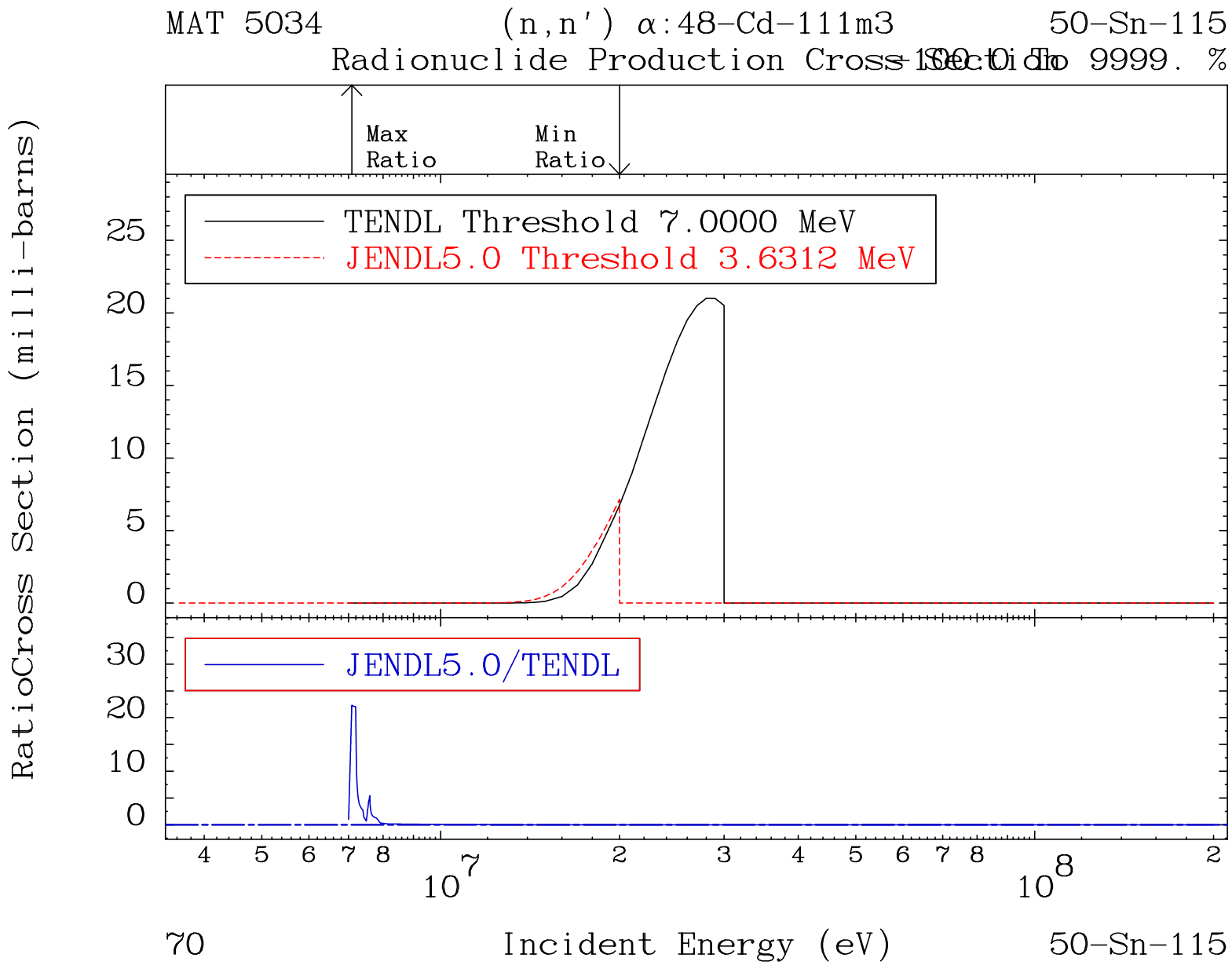

MAT 5034
(n,3n):50-Sn-113g
50-Sn-115
Radionuclide Production Cross Section
-100.0 To 55.60 %
Min
Ratio
TENDL Threshold 18.005 MeV
JENDL5.0 Threshold 18.002 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
67
Incident Energy (eV)
50-Sn-115

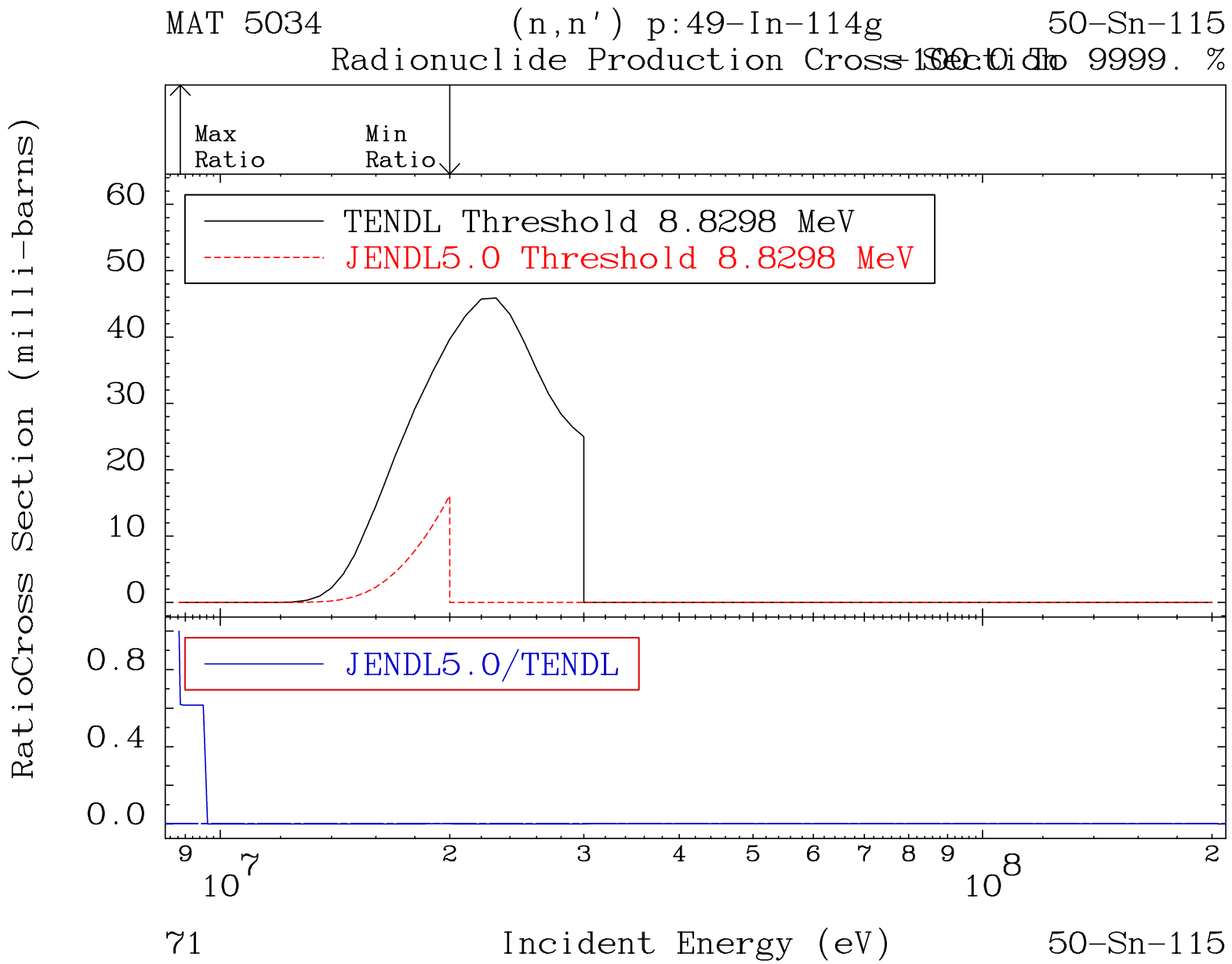
MAT 5034 (n,3n):50-Sn-113m1 50-Sn-115

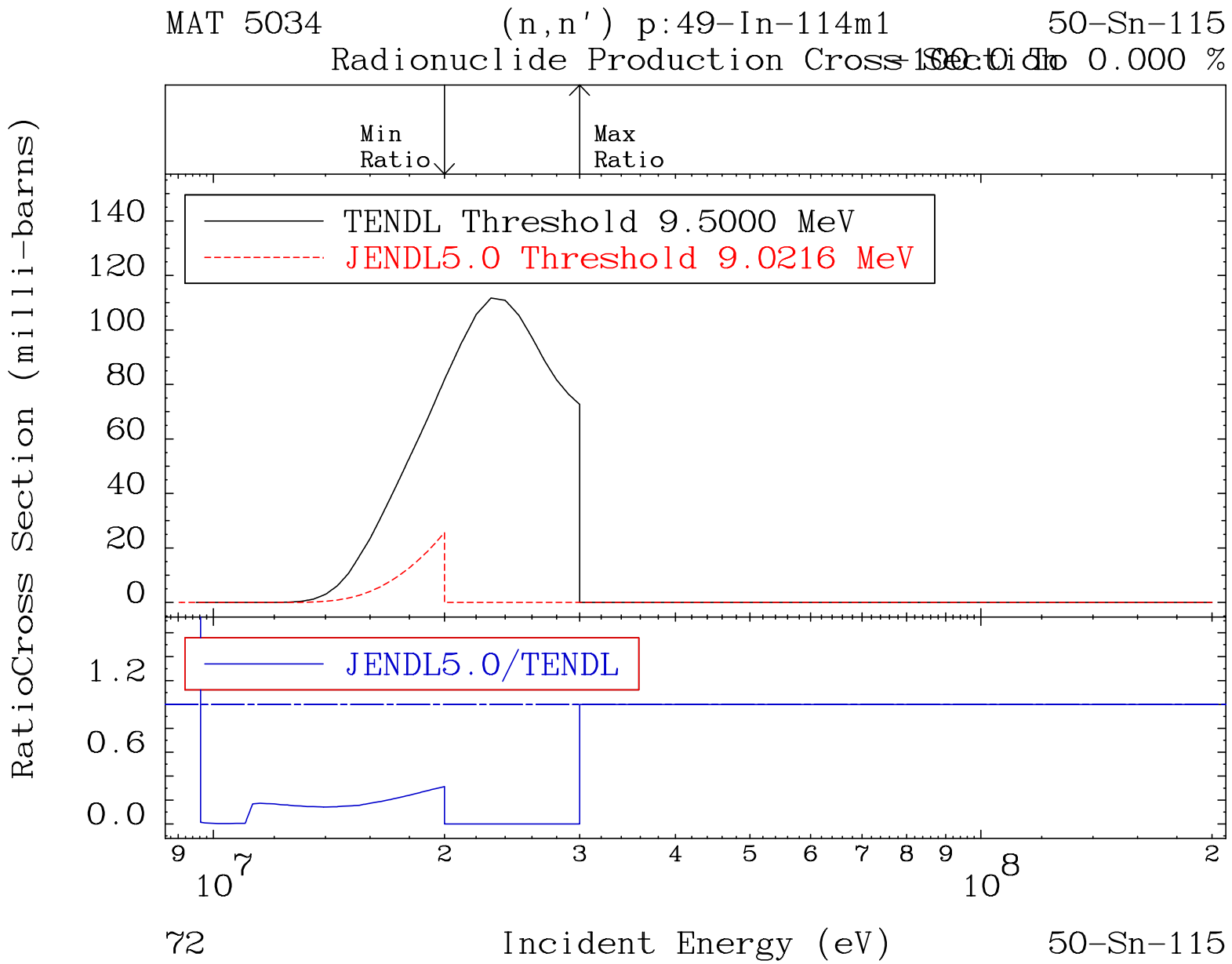
Radionuclide Production Cross Section -100.0 To 33.97 %

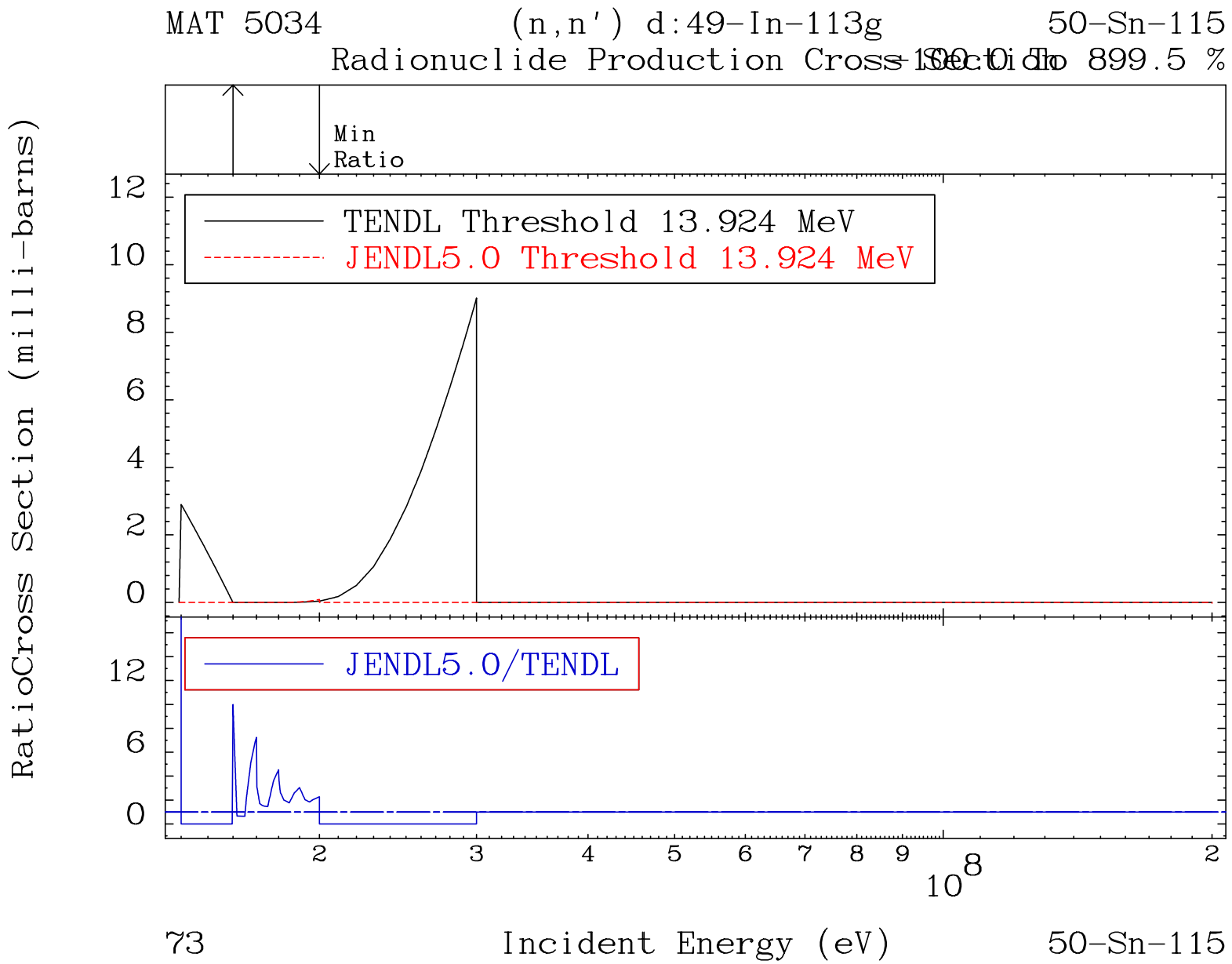


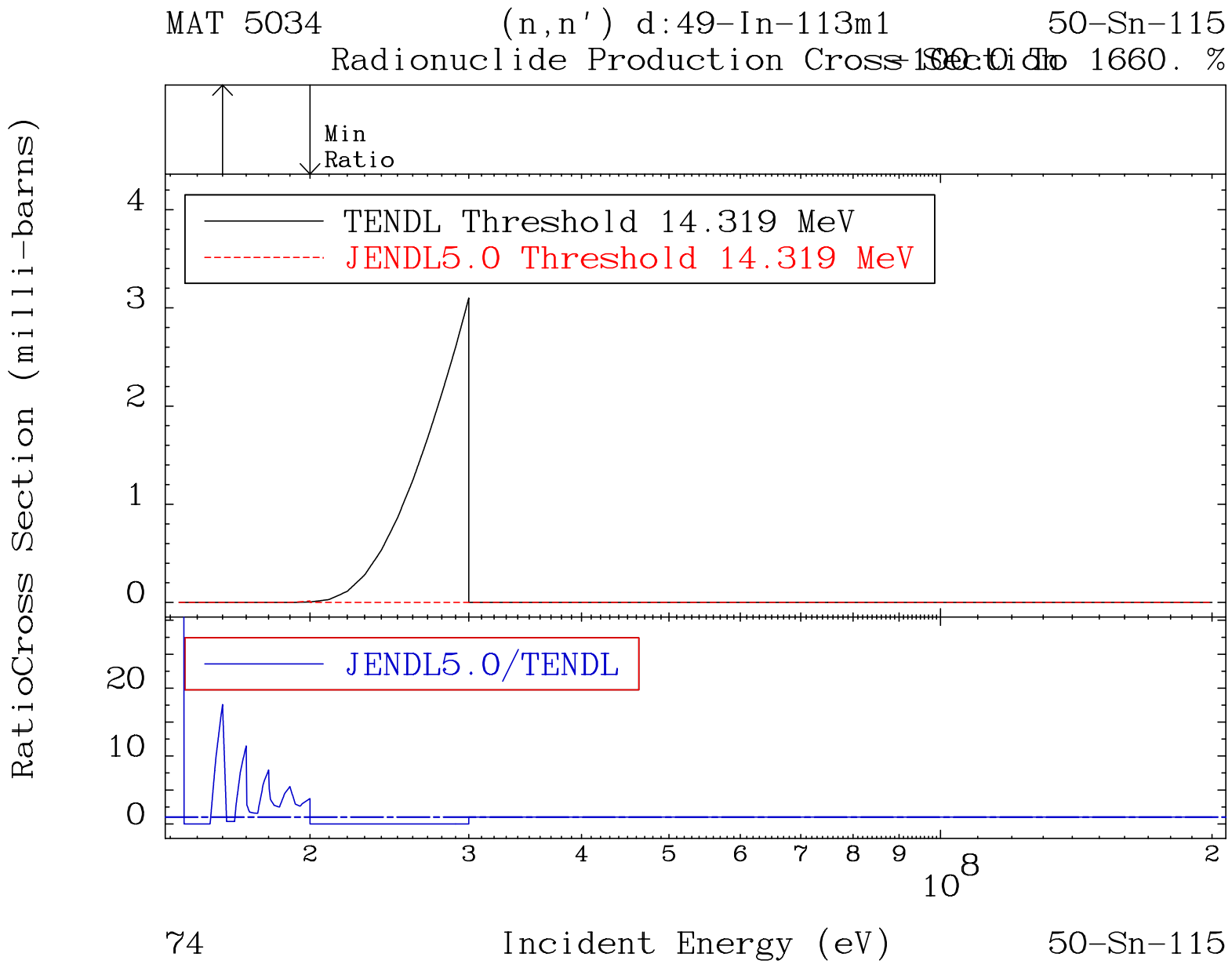

MAT 5034
(n,n') α:48-Cd-111g
50-Sn-115
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.2347 MeV
JENDL5.0 Threshold 3.2315 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
69
50-Sn-115

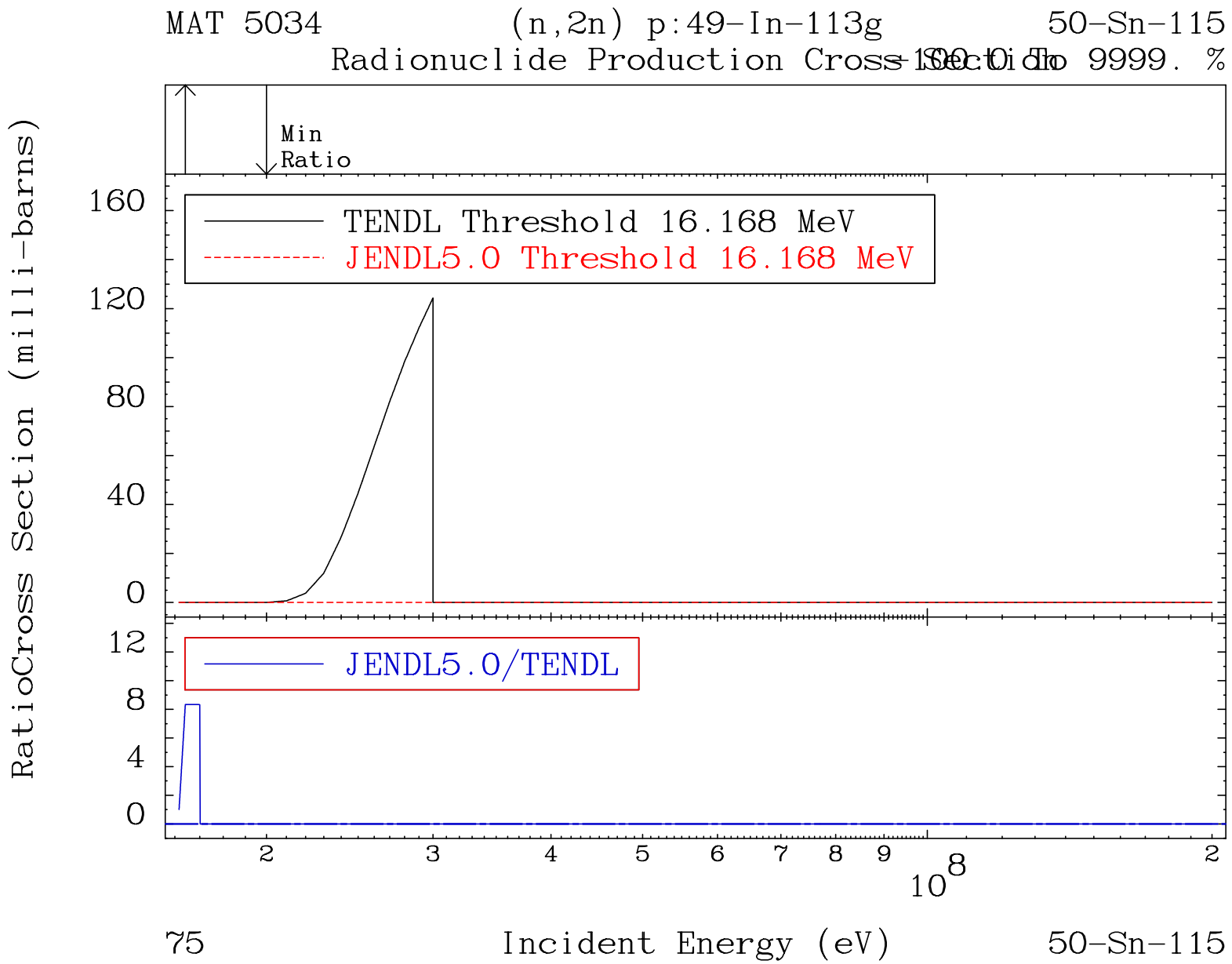

MAT 5034
(n,n') α:48-Cd-111m3
50-Sn-115
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 7.0000 MeV
JENDL5.0 Threshold 3.6312 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
70
50-Sn-115

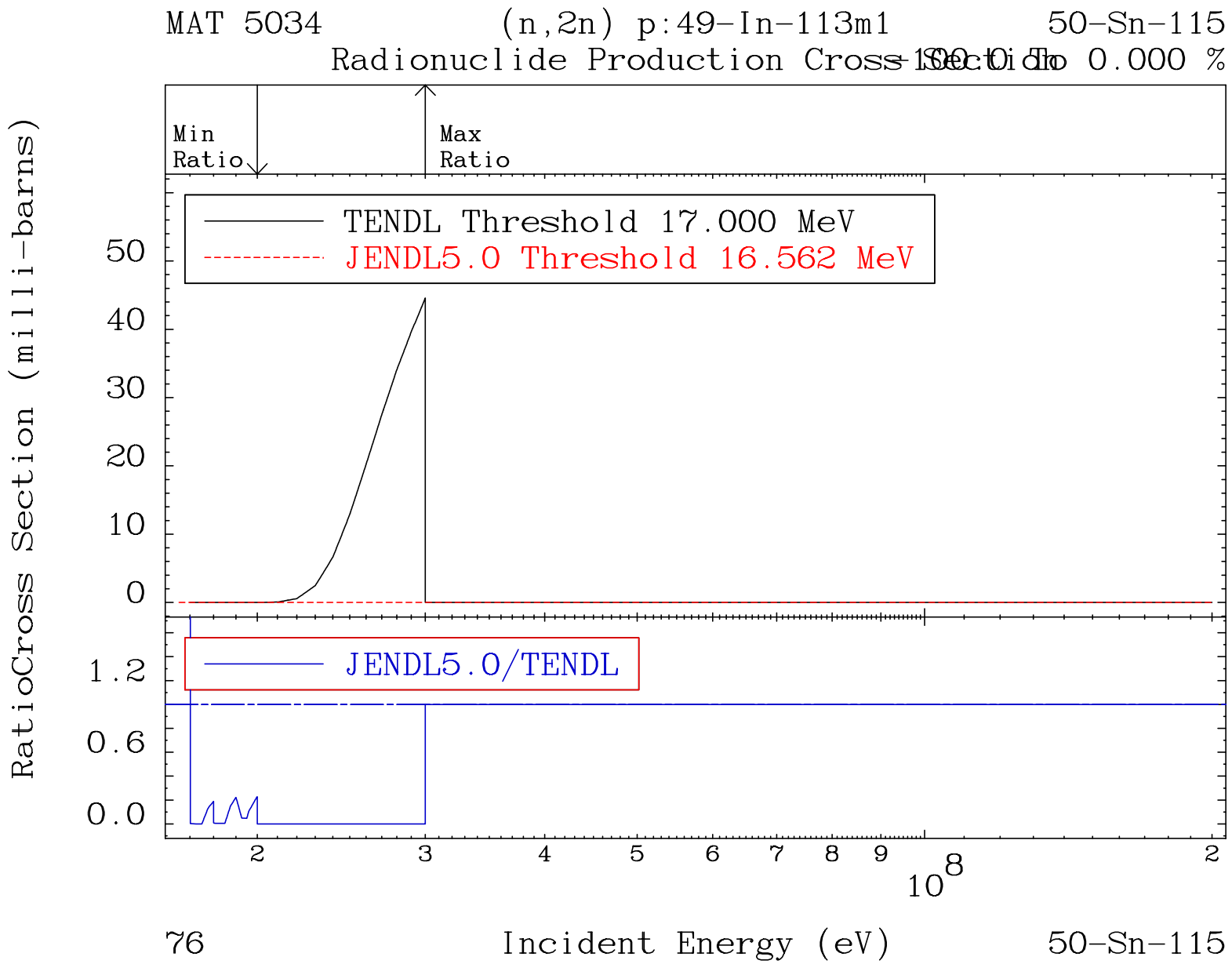

MAT 5034
(n,n') p:49-In-114g
50-Sn-115
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 8.8298 MeV
JENDL5.0 Threshold 8.8298 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
0.8
0.4
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
71
Incident Energy (eV)
50-Sn-115

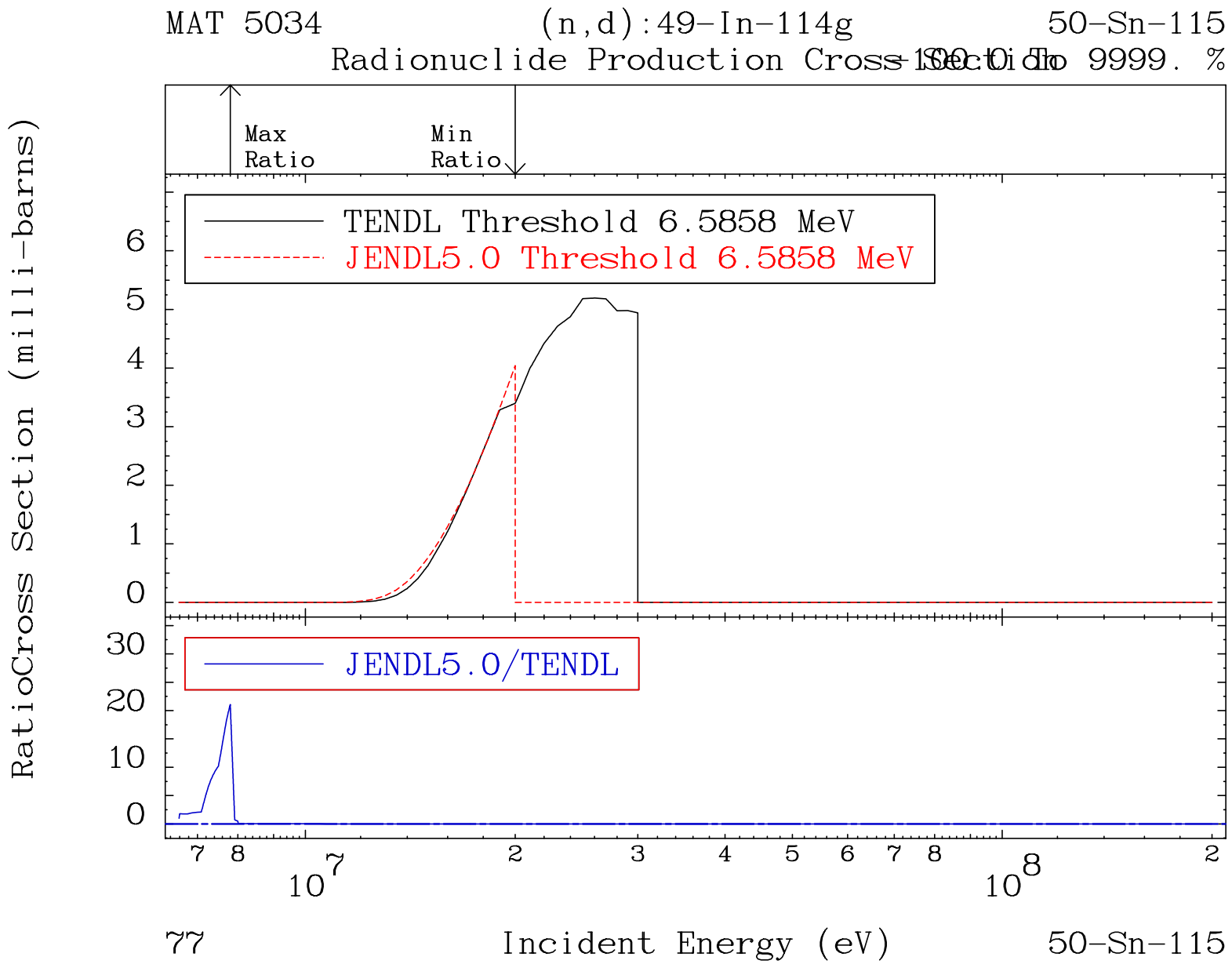

MAT 5034
(n,n') p:49-In-114m1
50-Sn-115
Radionuclide Production Cross Section
Uncertainty 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 9.5000 MeV
JENDL5.0 Threshold 9.0216 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
1.2
0.6
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
72
Incident Energy (eV)
50-Sn-115

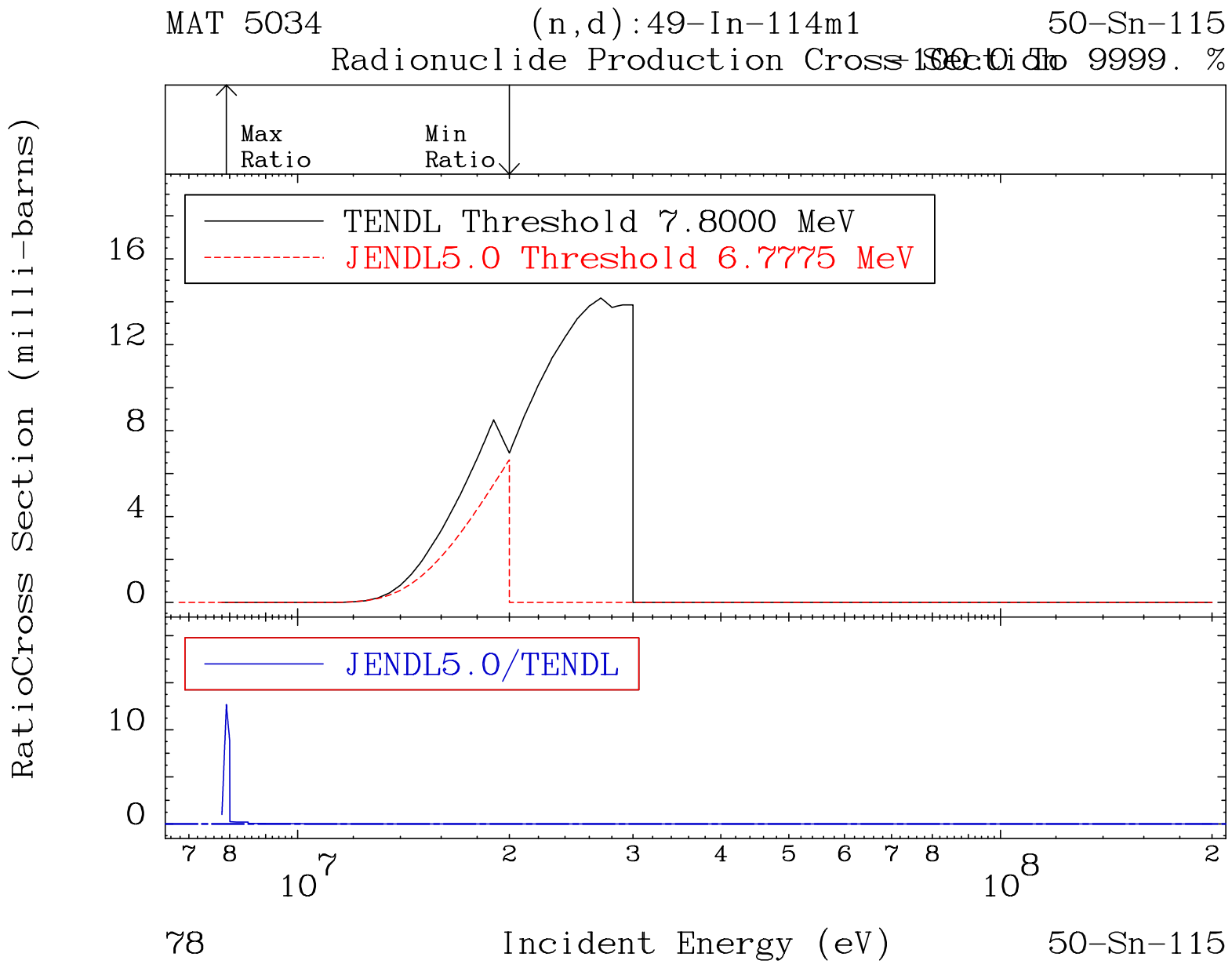

MAT 5034
(n,n') d:49-In-113g
50-Sn-115
Radionuclide Production Cross Section To 899.5 %
Min
Ratio
TENDL Threshold 13.924 MeV
JENDL5.0 Threshold 13.924 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
12
6
0
2
3
4
5
6
7
8
9
10^8
2
73
Incident Energy (eV)
50-Sn-115

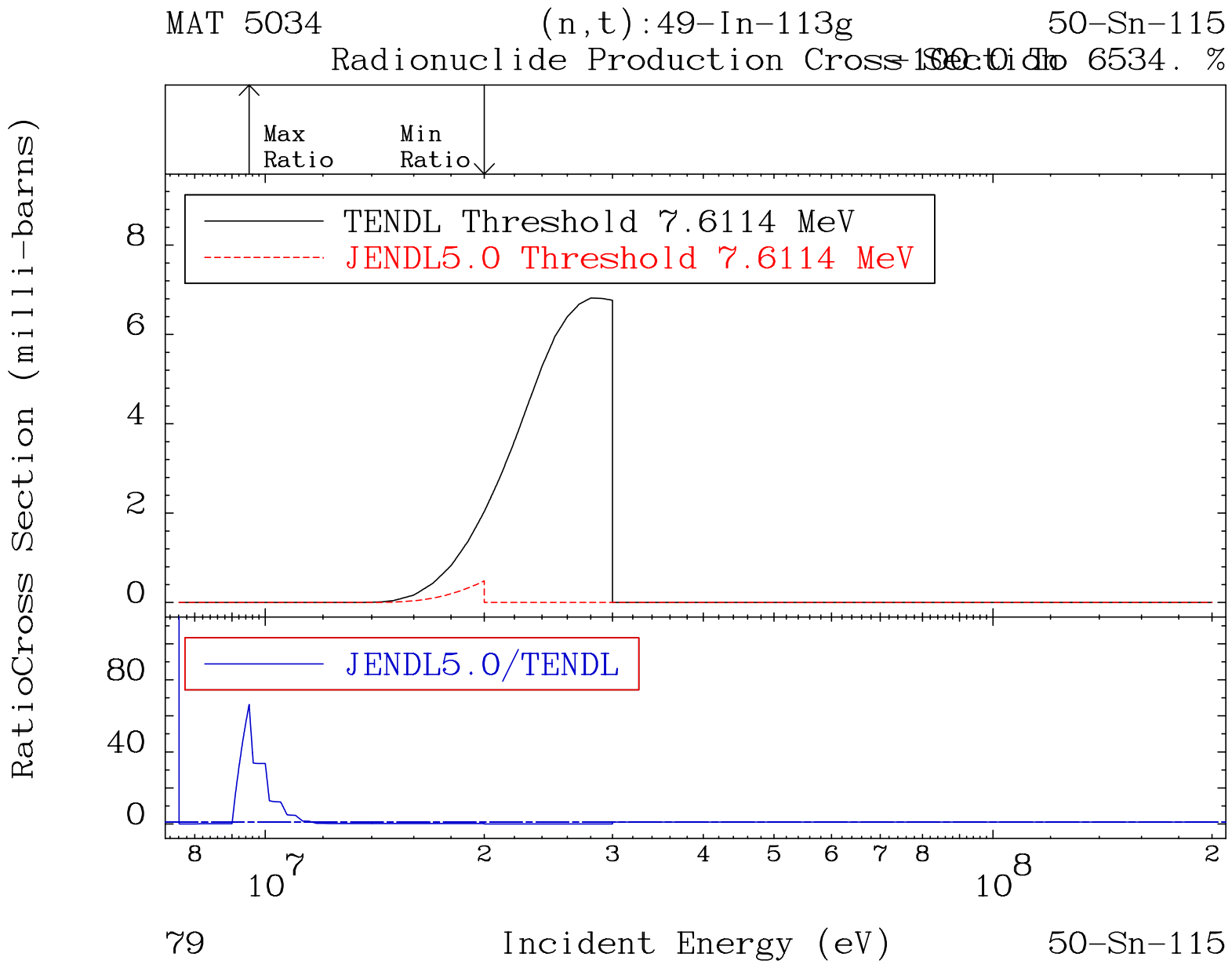

MAT 5034
(n,n') d:49-In-113m1
50-Sn-115
Radionuclide Production Cross Section To 1660. %
Min
Ratio
TENDL Threshold 14.319 MeV
JENDL5.0 Threshold 14.319 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
74
50-Sn-115

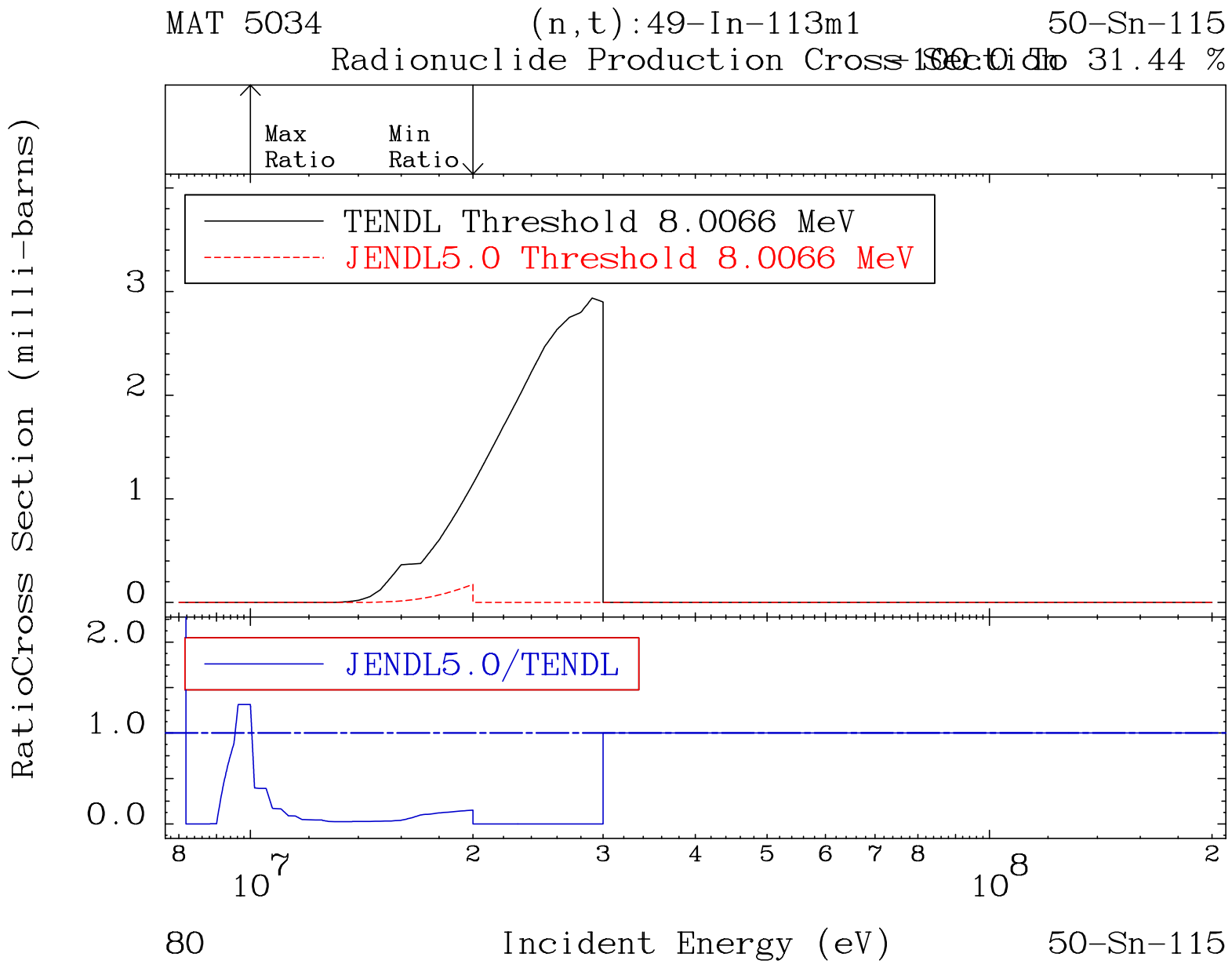

MAT 5034
(n,2n) p:49-In-113g
50-Sn-115
Radionuclide Production Cross Section To 9999. %
Min
Ratio
160
120
80
40
0
TENDL Threshold 16.168 MeV
JENDL5.0 Threshold 16.168 MeV
12
8
4
0
JENDL5.0/TENDL
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (milli-barns)
75
Incident Energy (eV)
50-Sn-115


MAT 5034
(n,2n) p:49-In-113m1
50-Sn-115
Radionuclide Production Cross Section
Uncertainty 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 17.000 MeV
JENDL5.0 Threshold 16.562 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
76
Incident Energy (eV)
50-Sn-115


MAT 5034
(n,d):49-In-114g
50-Sn-115
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.5858 MeV
JENDL5.0 Threshold 6.5858 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
77
50-Sn-115


MAT 5034
(n,d):49-In-114m1
50-Sn-115
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 7.8000 MeV
JENDL5.0 Threshold 6.7775 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
10
0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
78
Incident Energy (eV)
50-Sn-115


MAT 5034
(n,t):49-In-113g
50-Sn-115
Radionuclide Production Cross Section To 6534. %
Max Ratio
Min Ratio
TENDL Threshold 7.6114 MeV
JENDL5.0 Threshold 7.6114 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
79
50-Sn-115


MAT 5034
(n,t):49-In-113m1
50-Sn-115
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 8.0066 MeV
JENDL5.0 Threshold 8.0066 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
80
50-Sn-115