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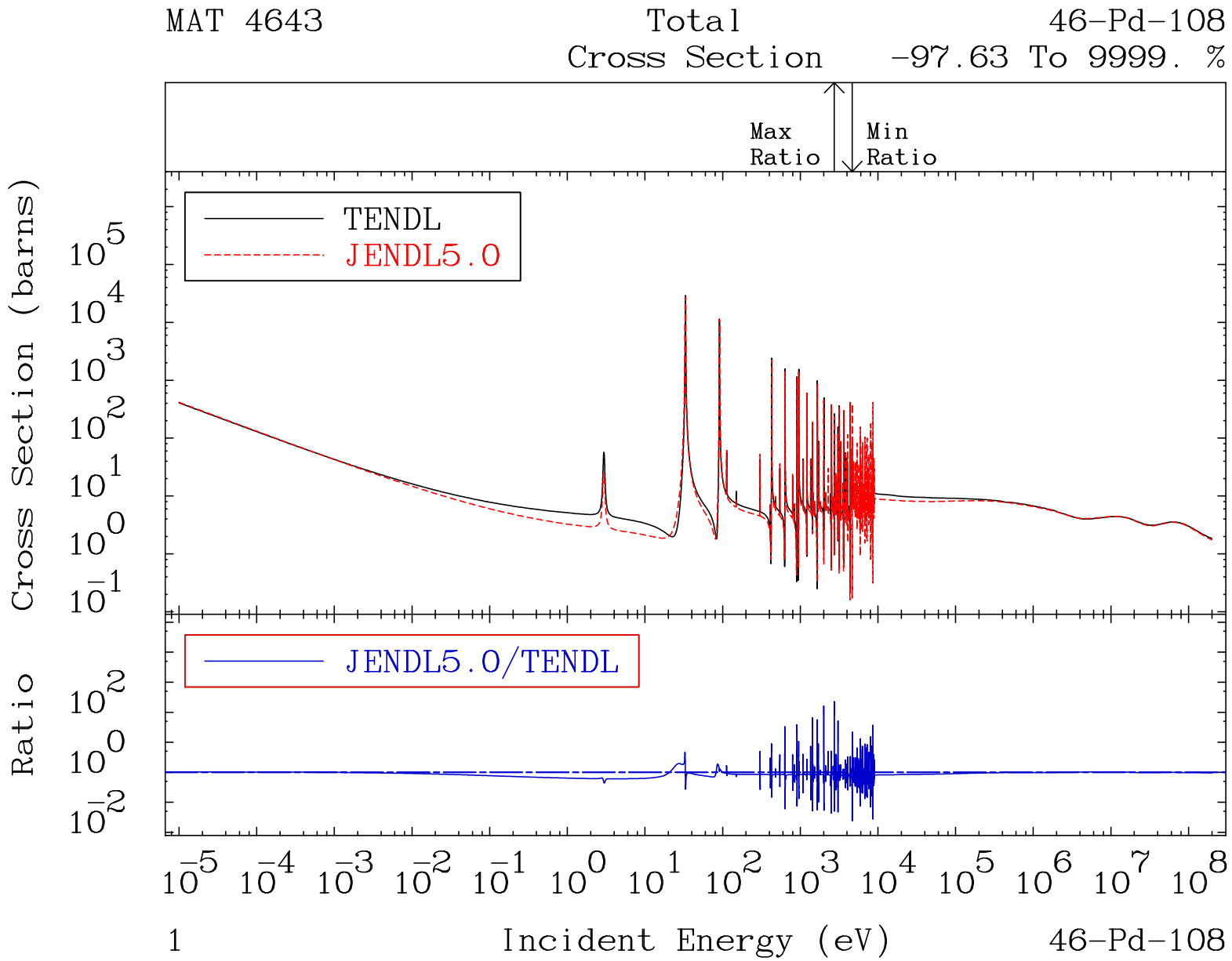
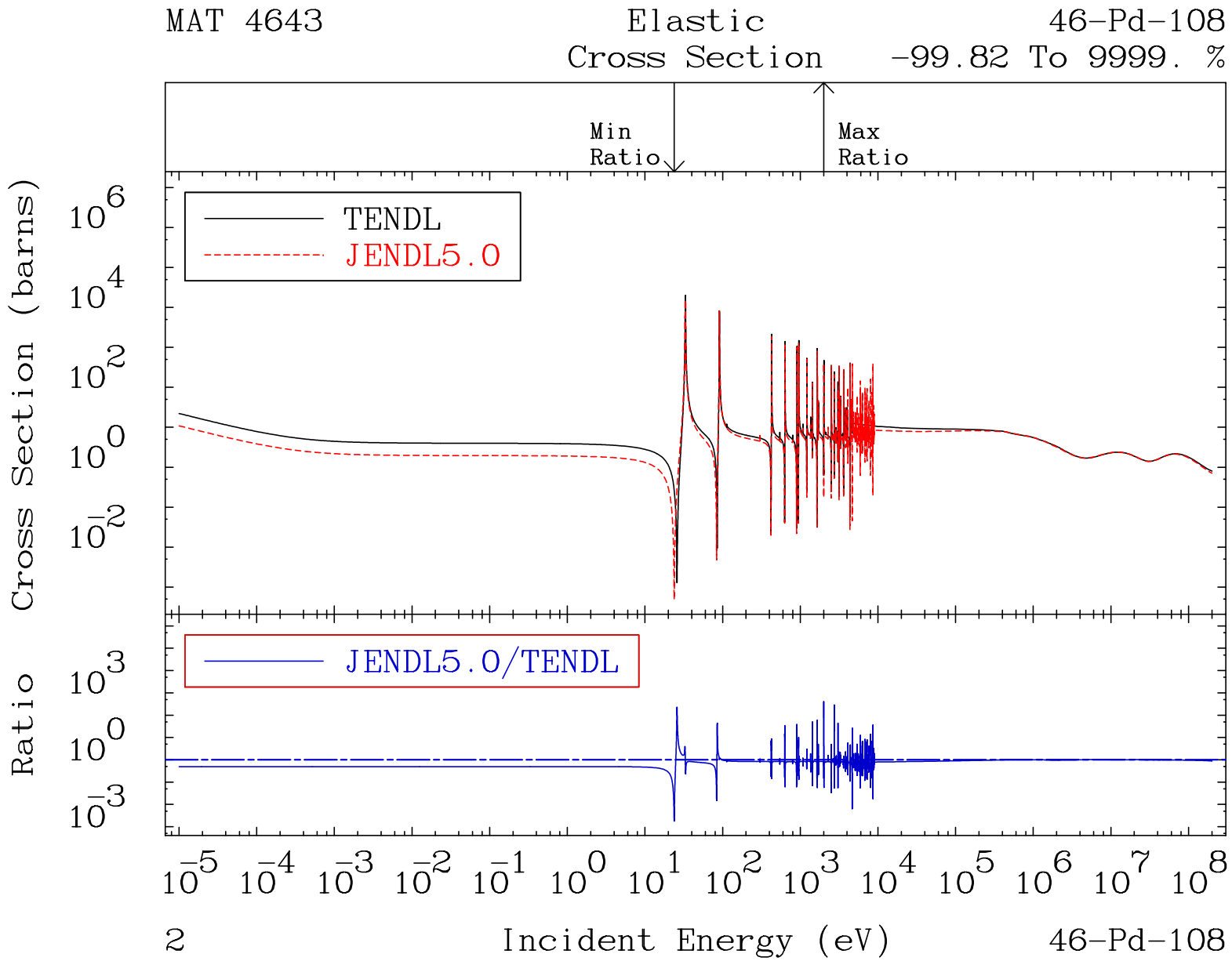
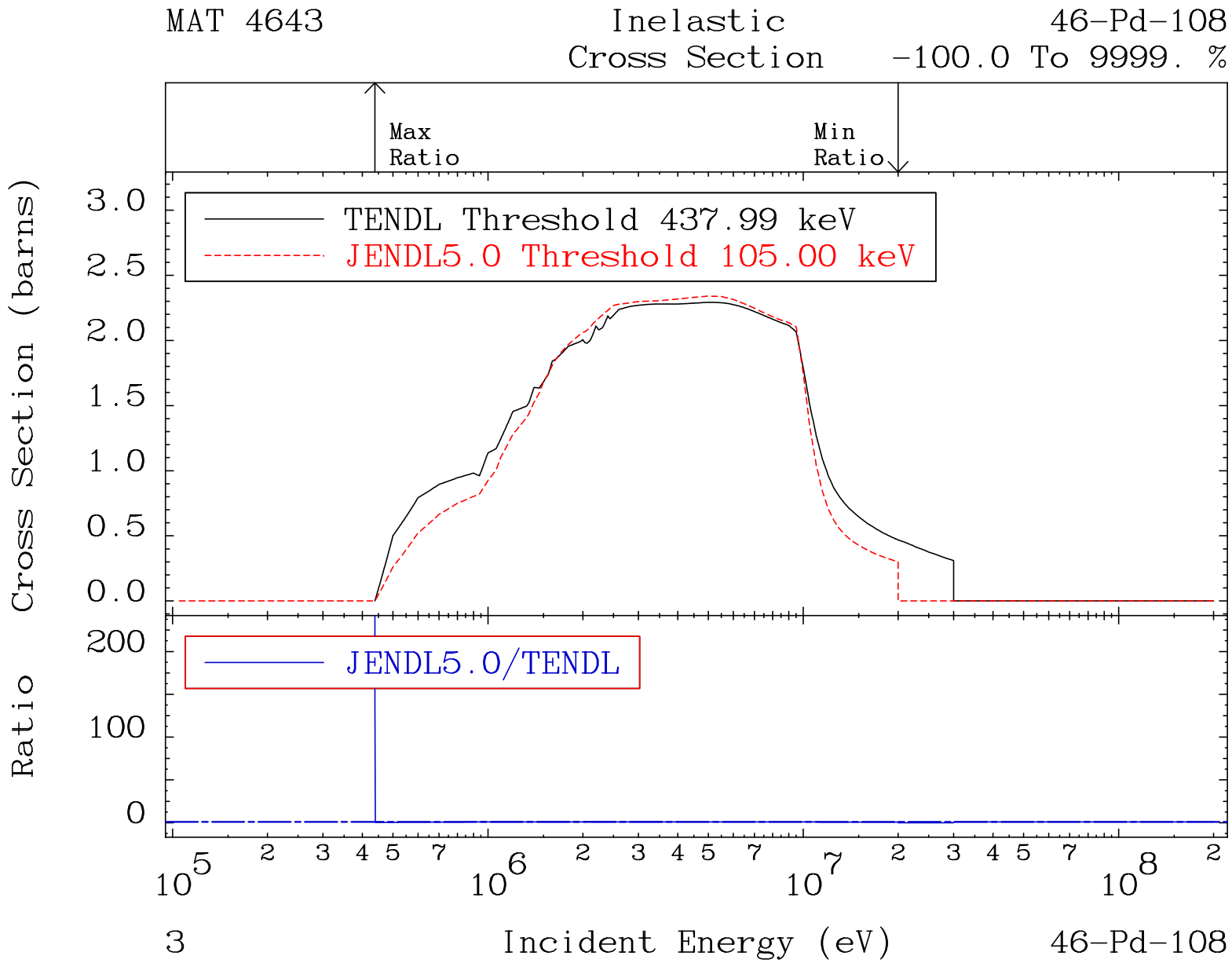
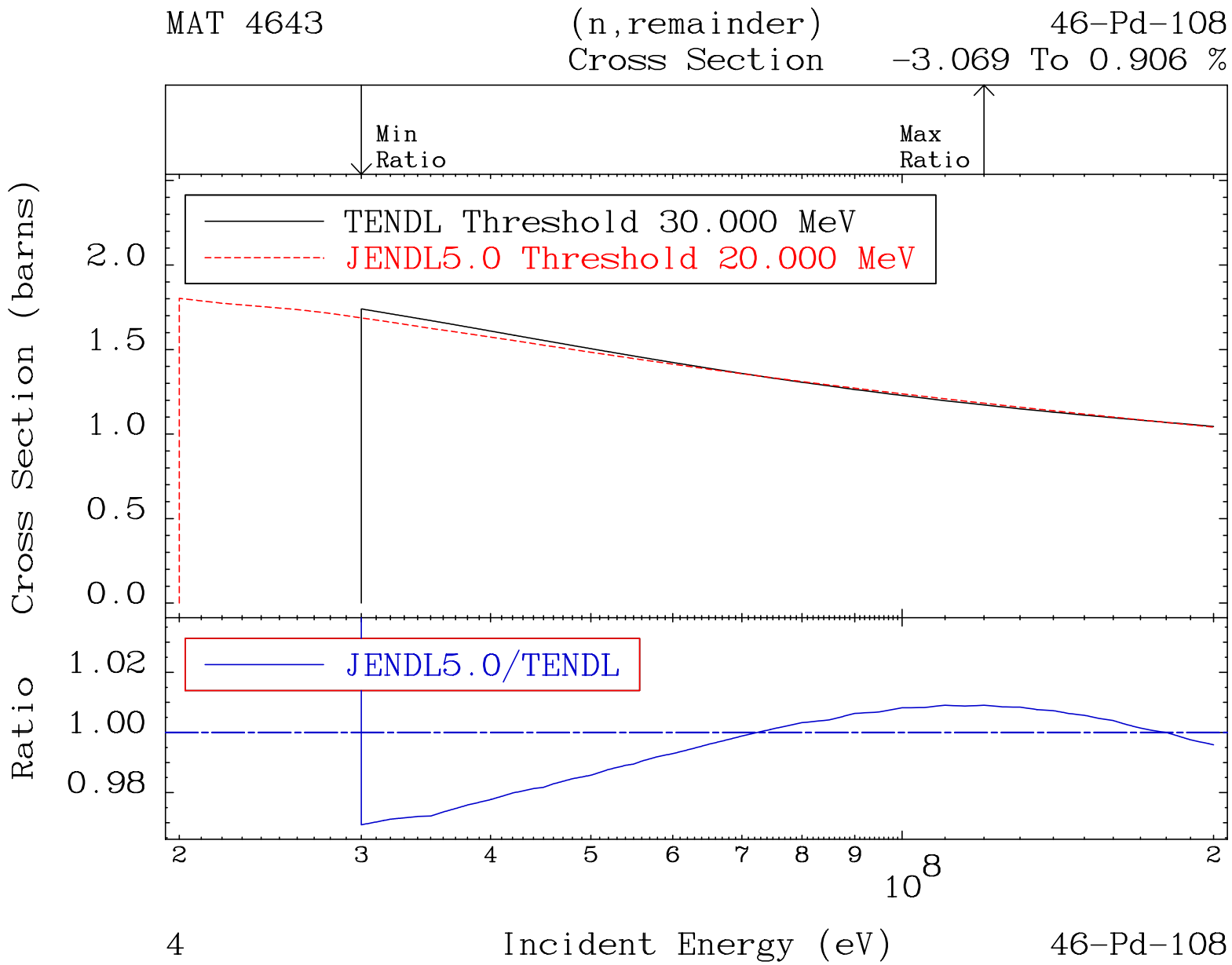
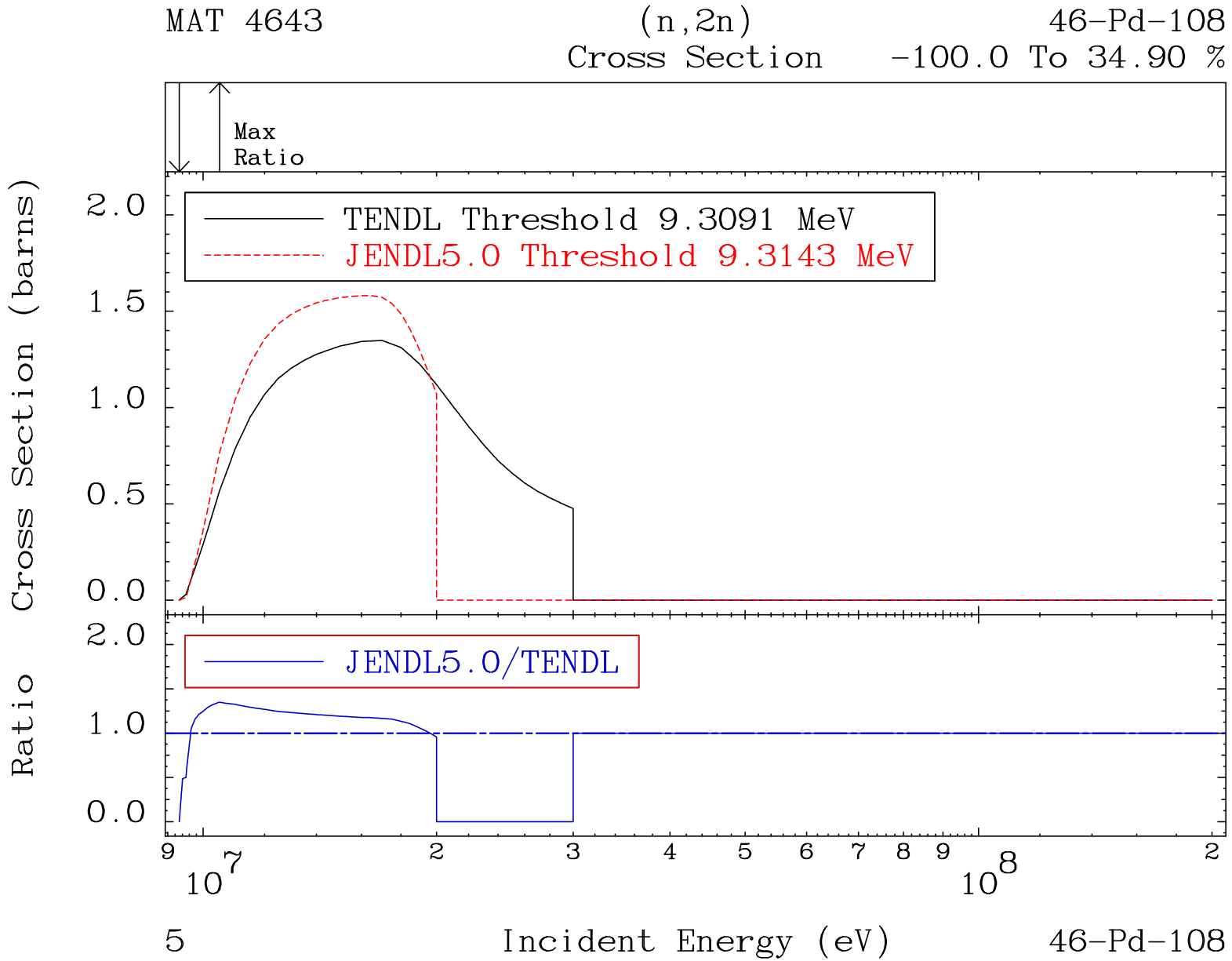
Press Mouse Button to Start

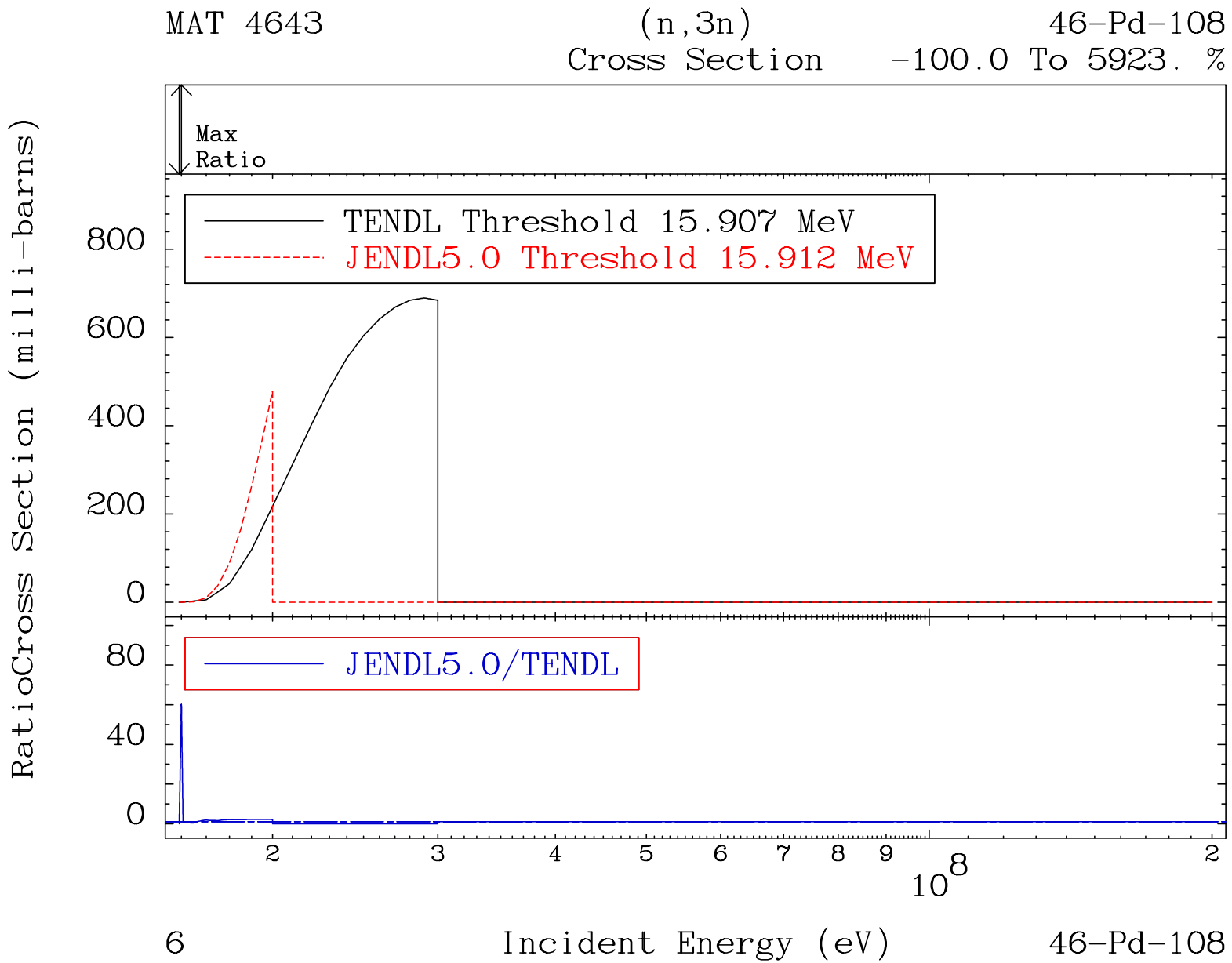

MAT 4643
Total
Cross Section
46-Pd-108
-97.63 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
1
46-Pd-108

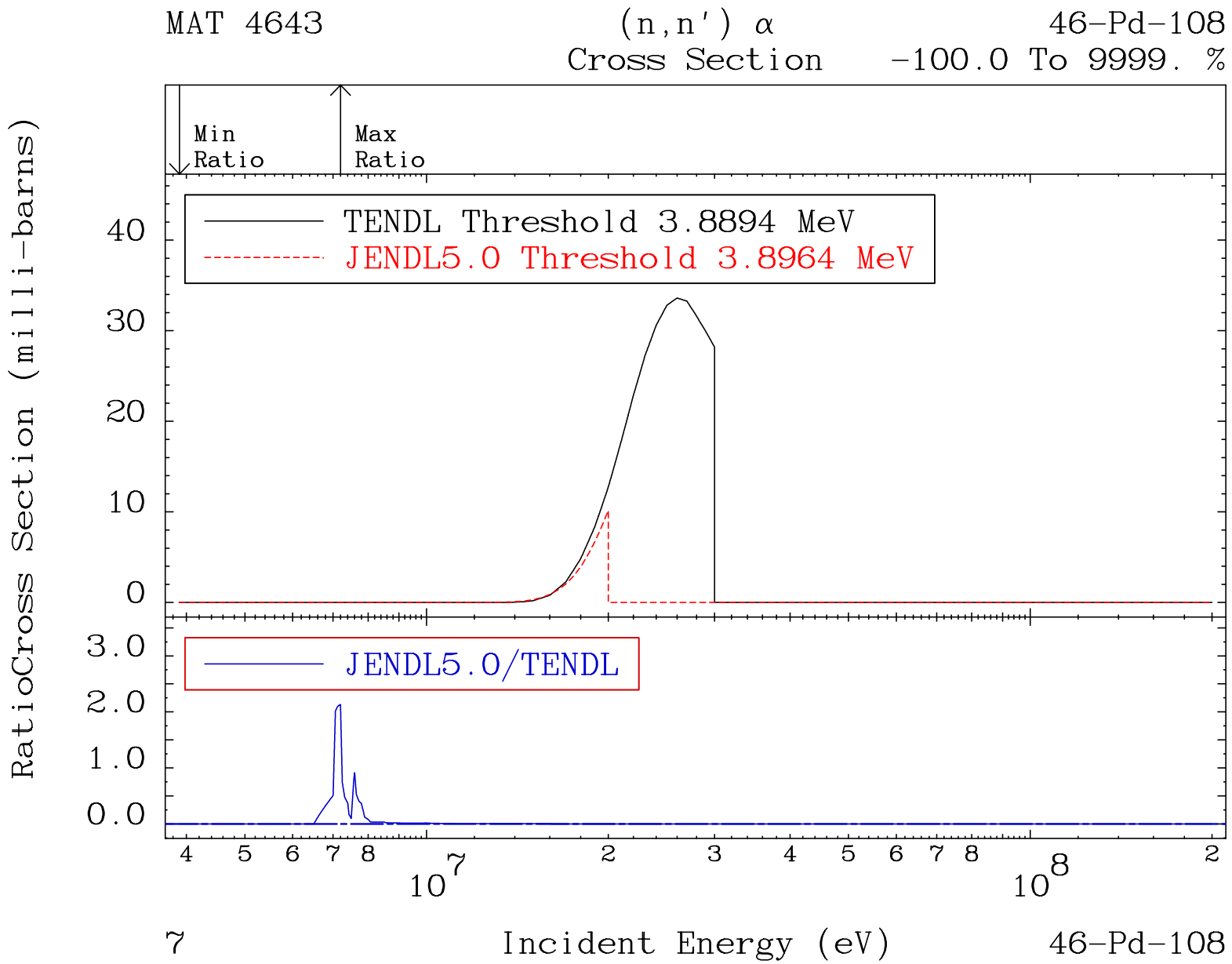

MAT 4643
Elastic
Cross Section
46-Pd-108
-99.82 To 9999. %
Min
Ratio
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
46-Pd-108

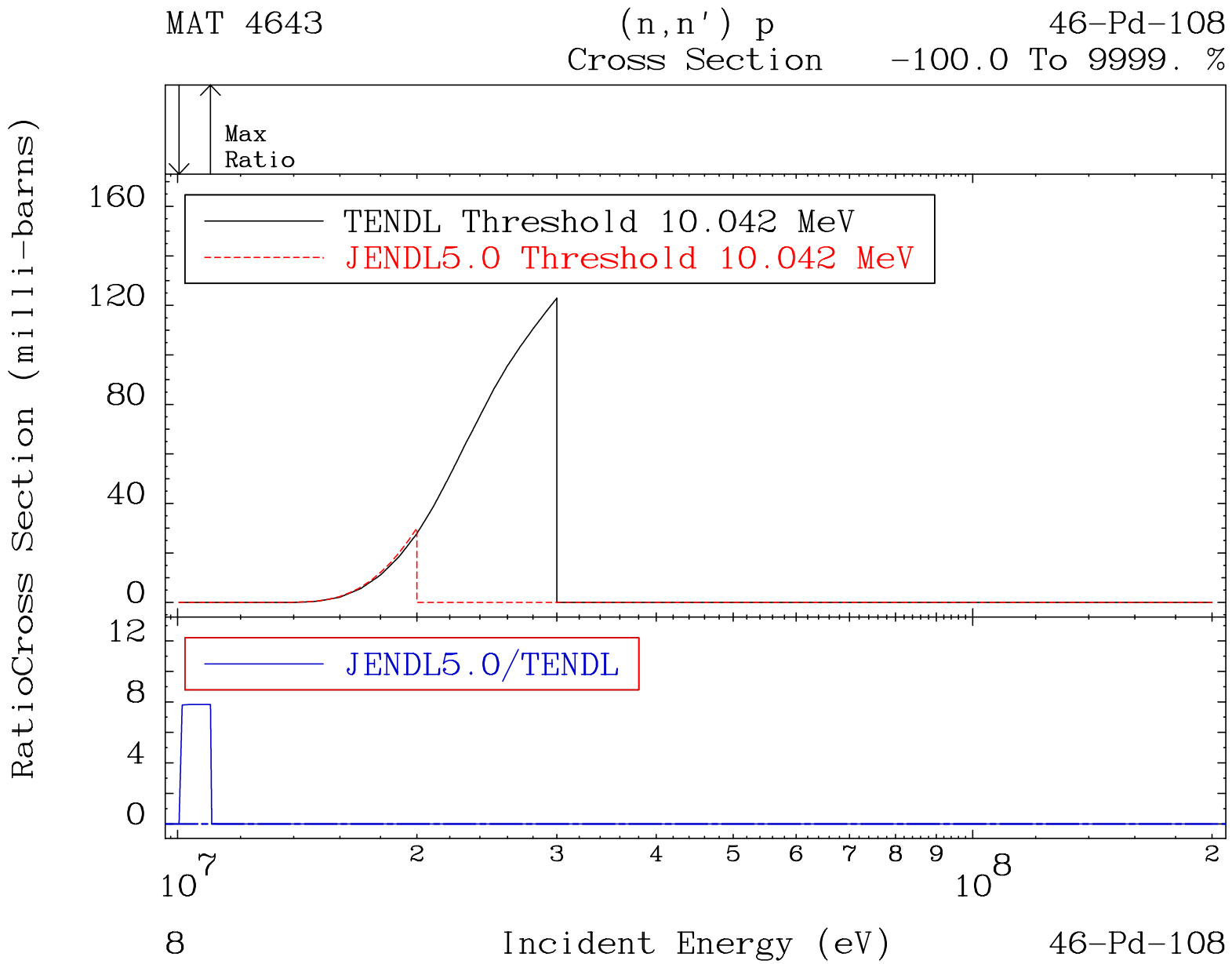

MAT 4643
Inelastic
Cross Section
46-Pd-108
-100.0 To 9999. %
Max
Ratio
Min
Ratio
TENDL Threshold 437.99 keV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
200
100
0
2 3 4 5 7
10^5
10^6
10^7
10^8
3
Incident Energy (eV)
46-Pd-108

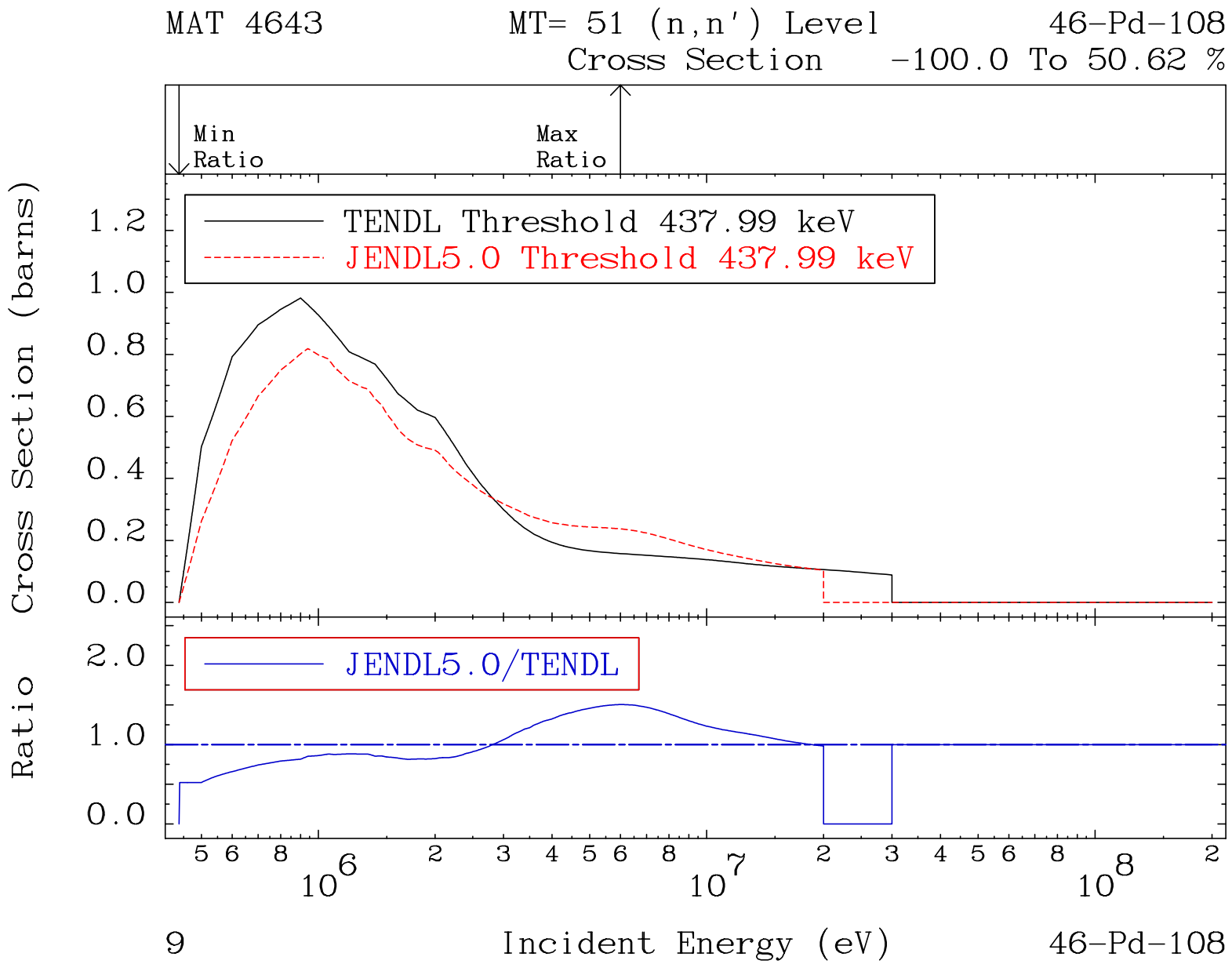

MAT 4643
(n,remainder)
Cross Section
46-Pd-108
-3.069 To 0.906 %
Min
Ratio
Max
Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
1.02
1.00
0.98
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
46-Pd-108

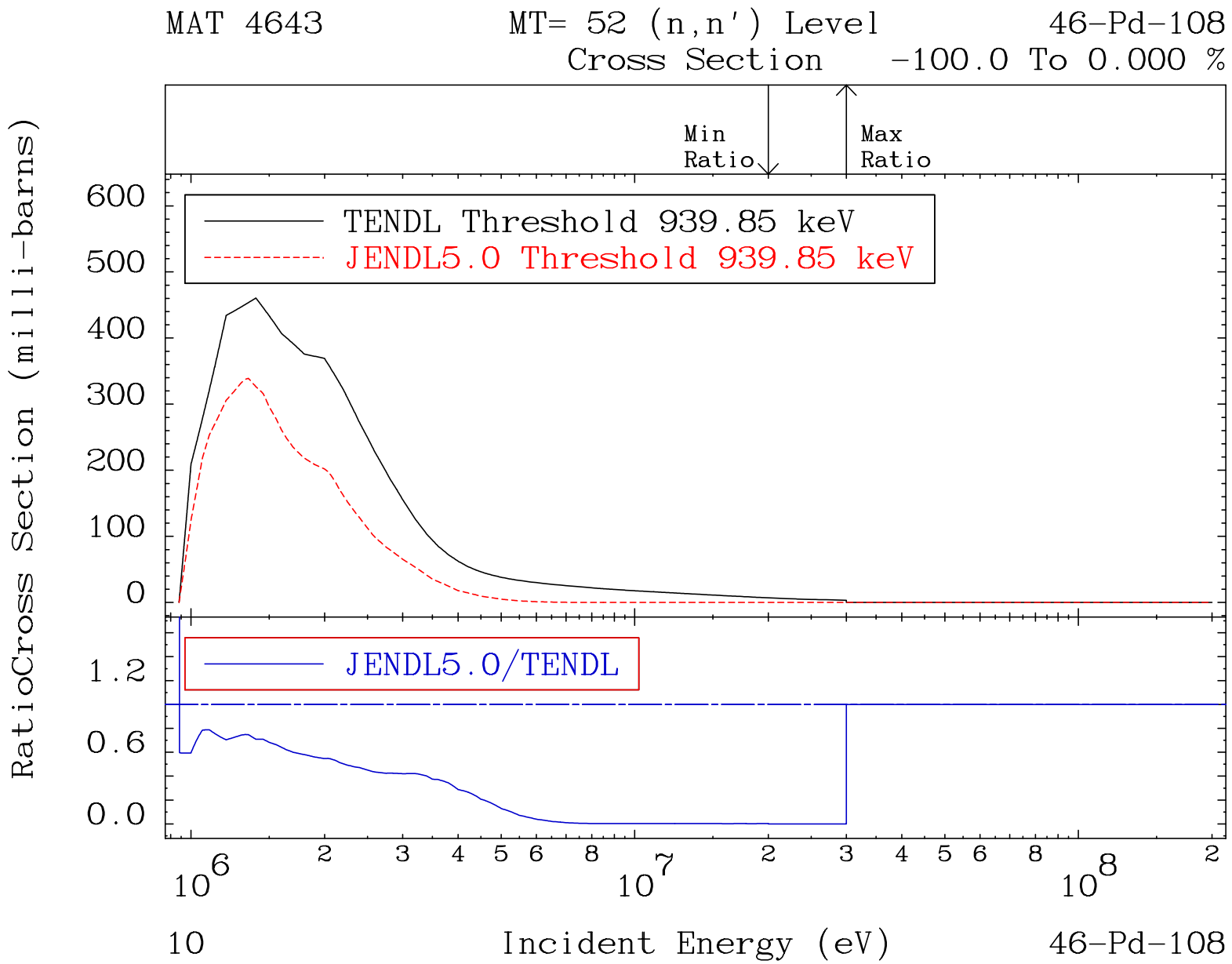

MAT 4643
(n,2n)
Cross Section
46-Pd-108
-100.0 To 34.90 %
Max
Ratio
TENDL Threshold 9.3091 MeV
JENDL5.0 Threshold 9.3143 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
Incident Energy (eV)
5
46-Pd-108

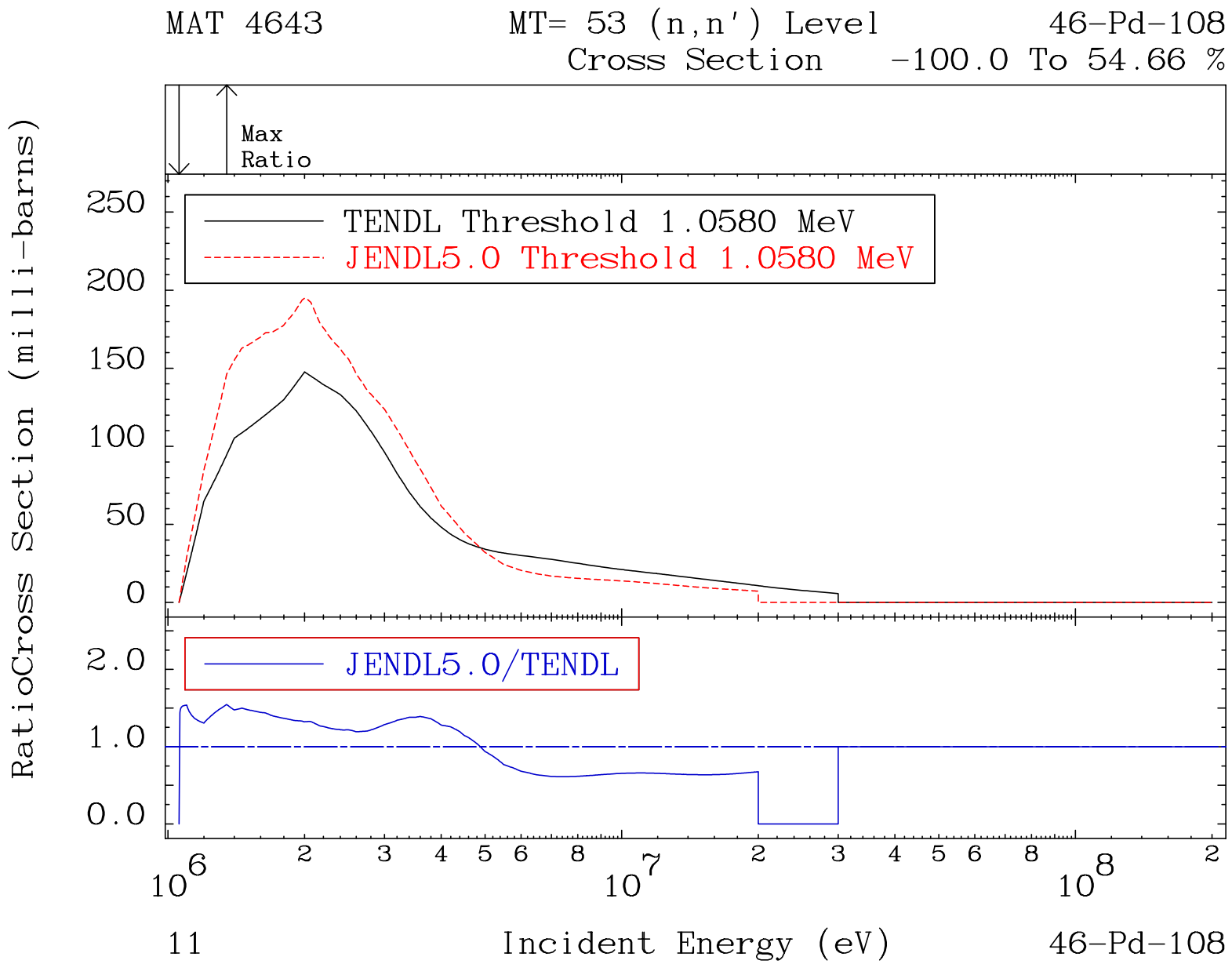

MAT 4643
(n,3n)
46-Pd-108
Cross Section
-100.0 To 5923. %
Max
Ratio
TENDL Threshold 15.907 MeV
JENDL5.0 Threshold 15.912 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
80
40
0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
46-Pd-108

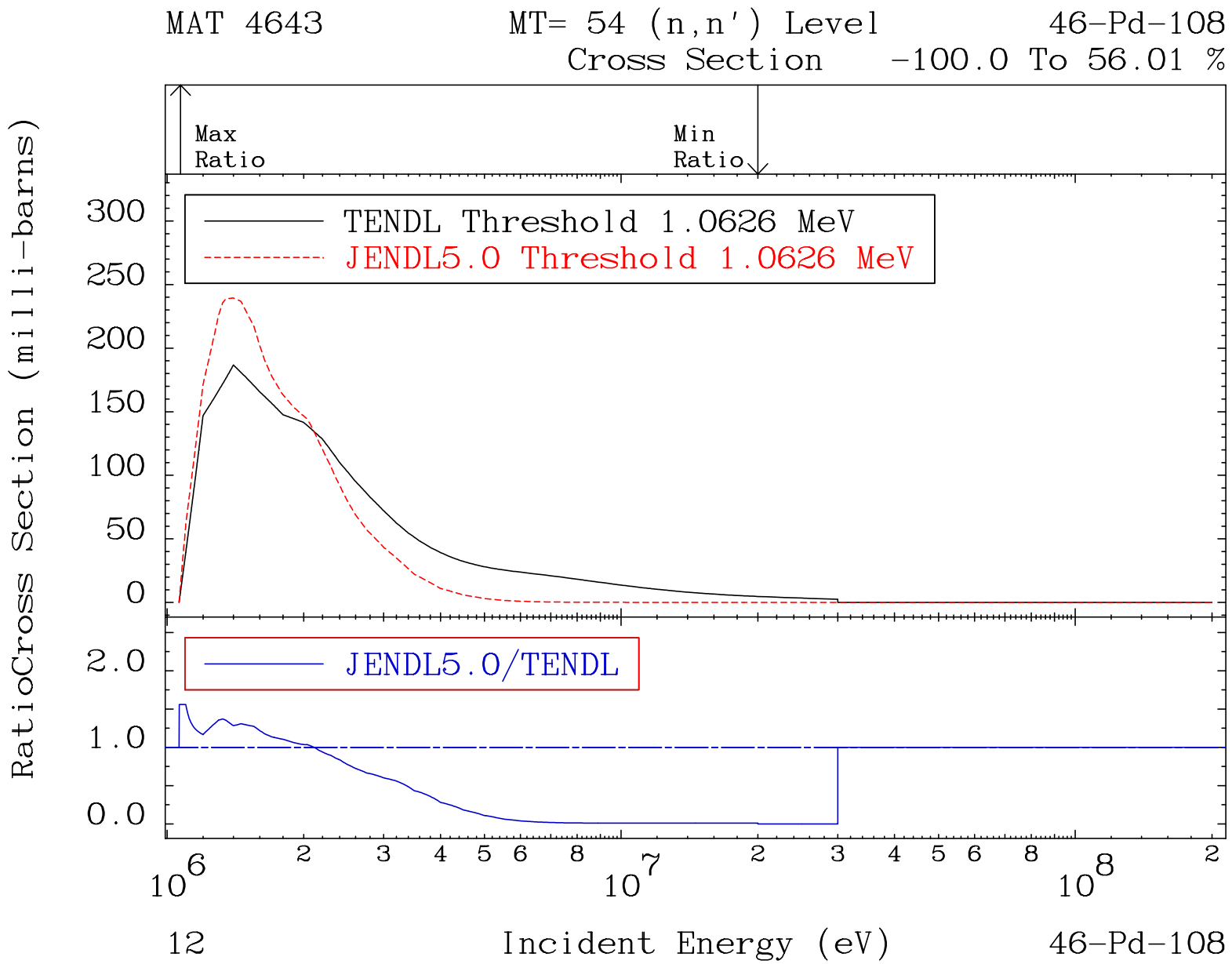

MAT 4643
(n,n') α
Cross Section
46-Pd-108
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.8894 MeV
JENDL5.0 Threshold 3.8964 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
46-Pd-108

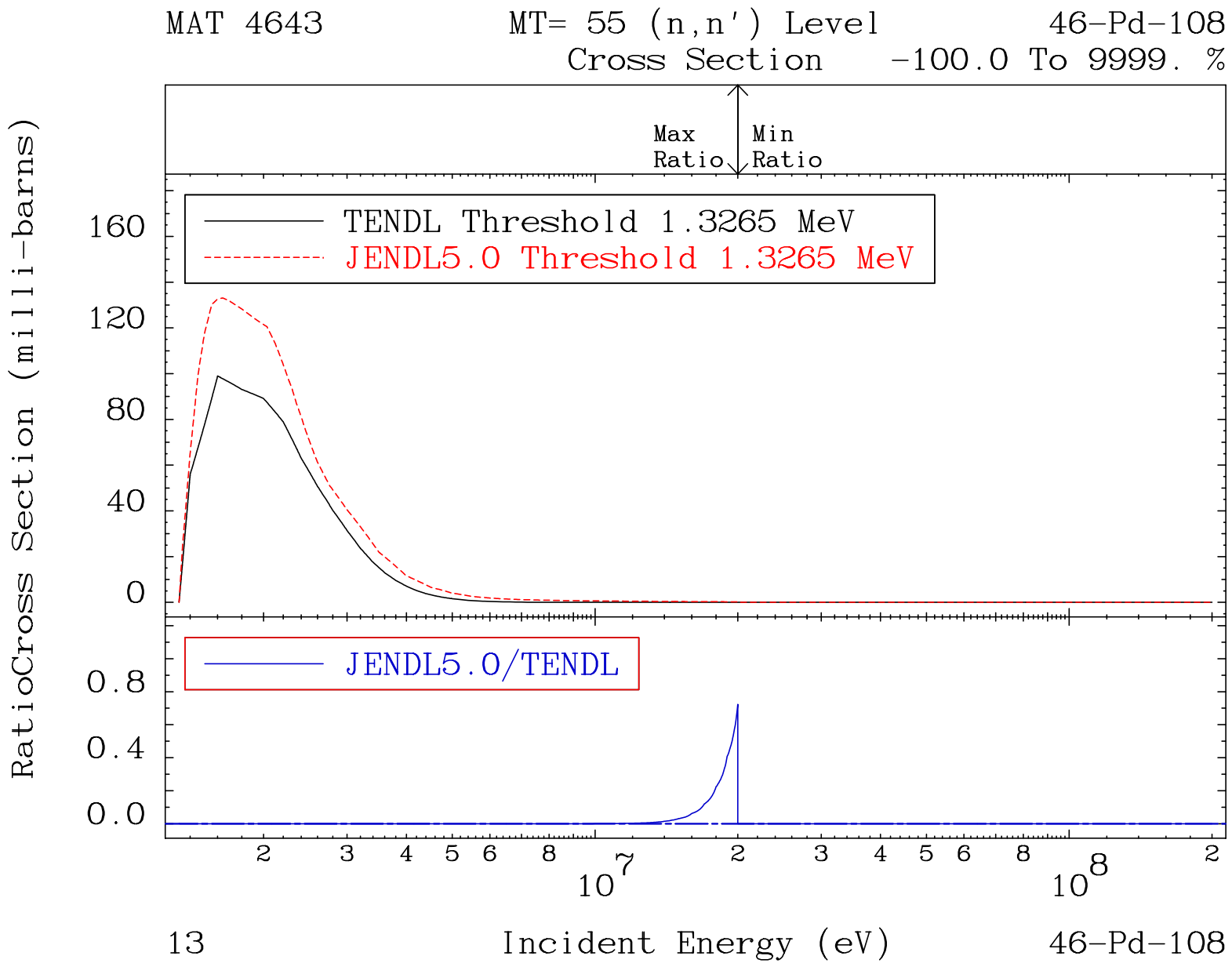

MAT 4643
(n,n') p
Cross Section
46-Pd-108
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 10.042 MeV
JENDL5.0 Threshold 10.042 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
12
8
4
0
10^7
2
3
4
5
6
7
8
9
10^8
2
Incident Energy (eV)
8
46-Pd-108

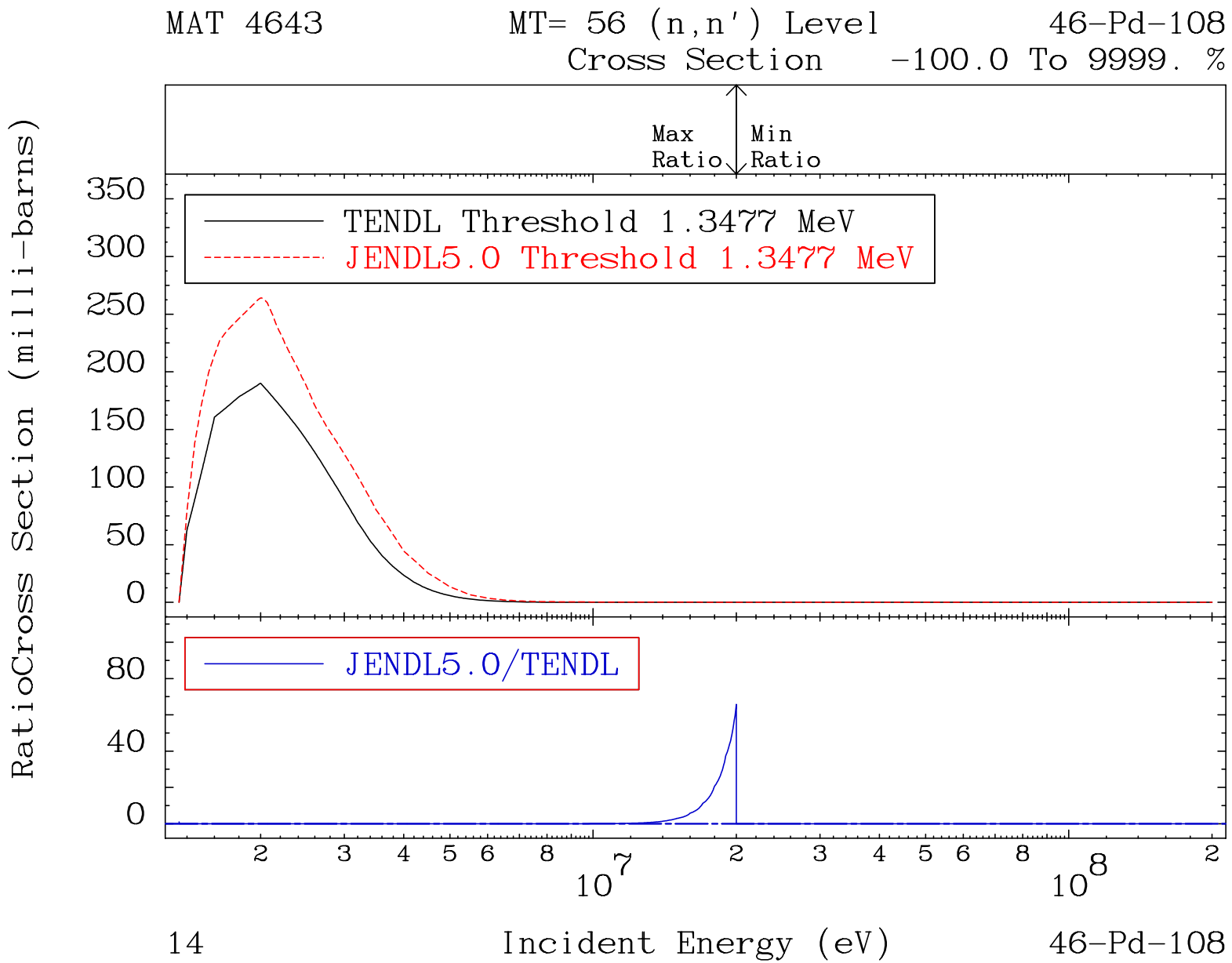

MAT 4643
MT= 51 (n,n') Level
46-Pd-108
Cross Section -100.0 To 50.62 %
Min Ratio
Max Ratio
TENDL Threshold 437.99 keV
JENDL5.0 Threshold 437.99 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
9
46-Pd-108

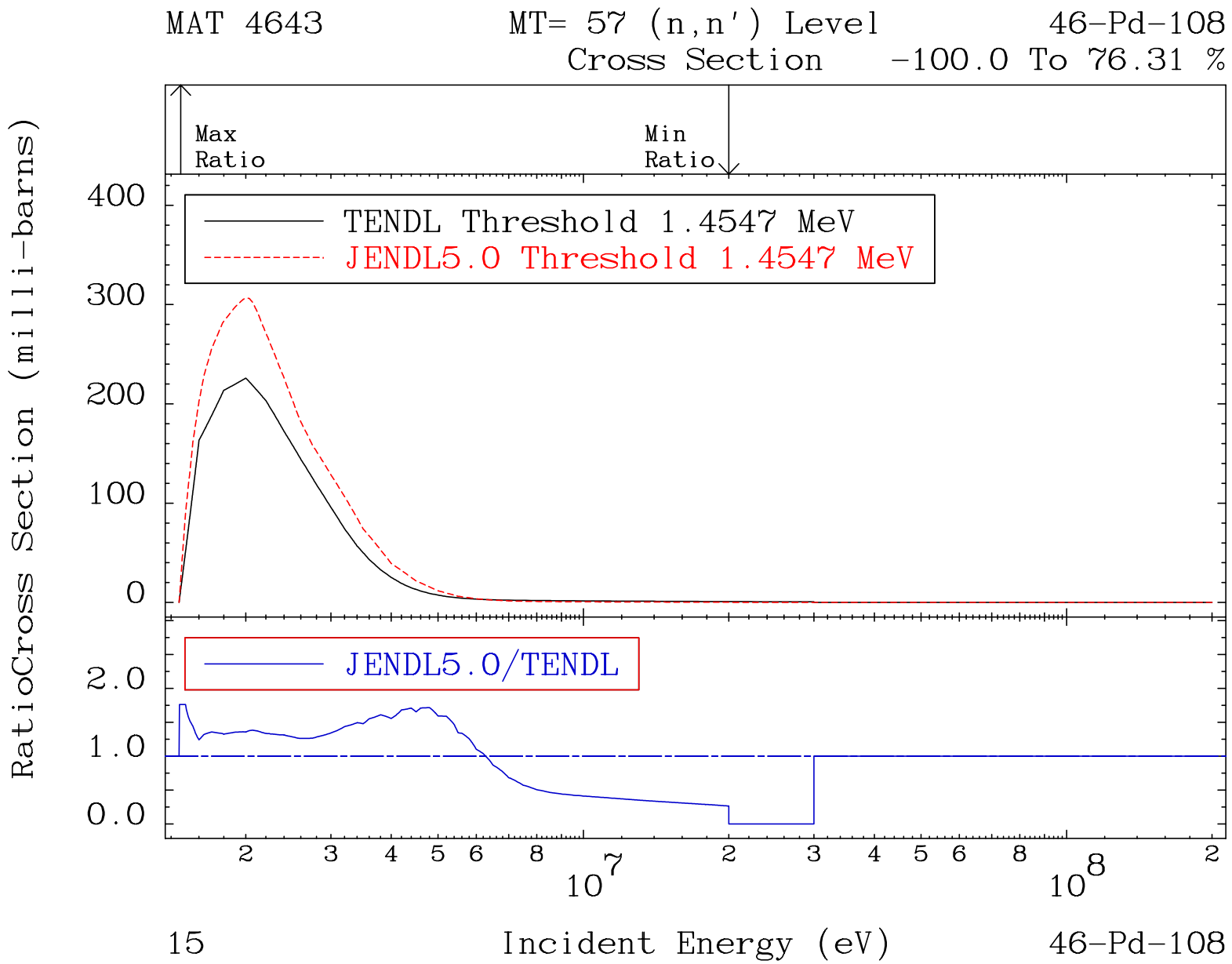

MAT 4643
MT= 52 (n,n') Level
46-Pd-108
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 939.85 keV
JENDL5.0 Threshold 939.85 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
1.2
0.6
0.0
10^6
10^7
10^8
Incident Energy (eV)
46-Pd-108

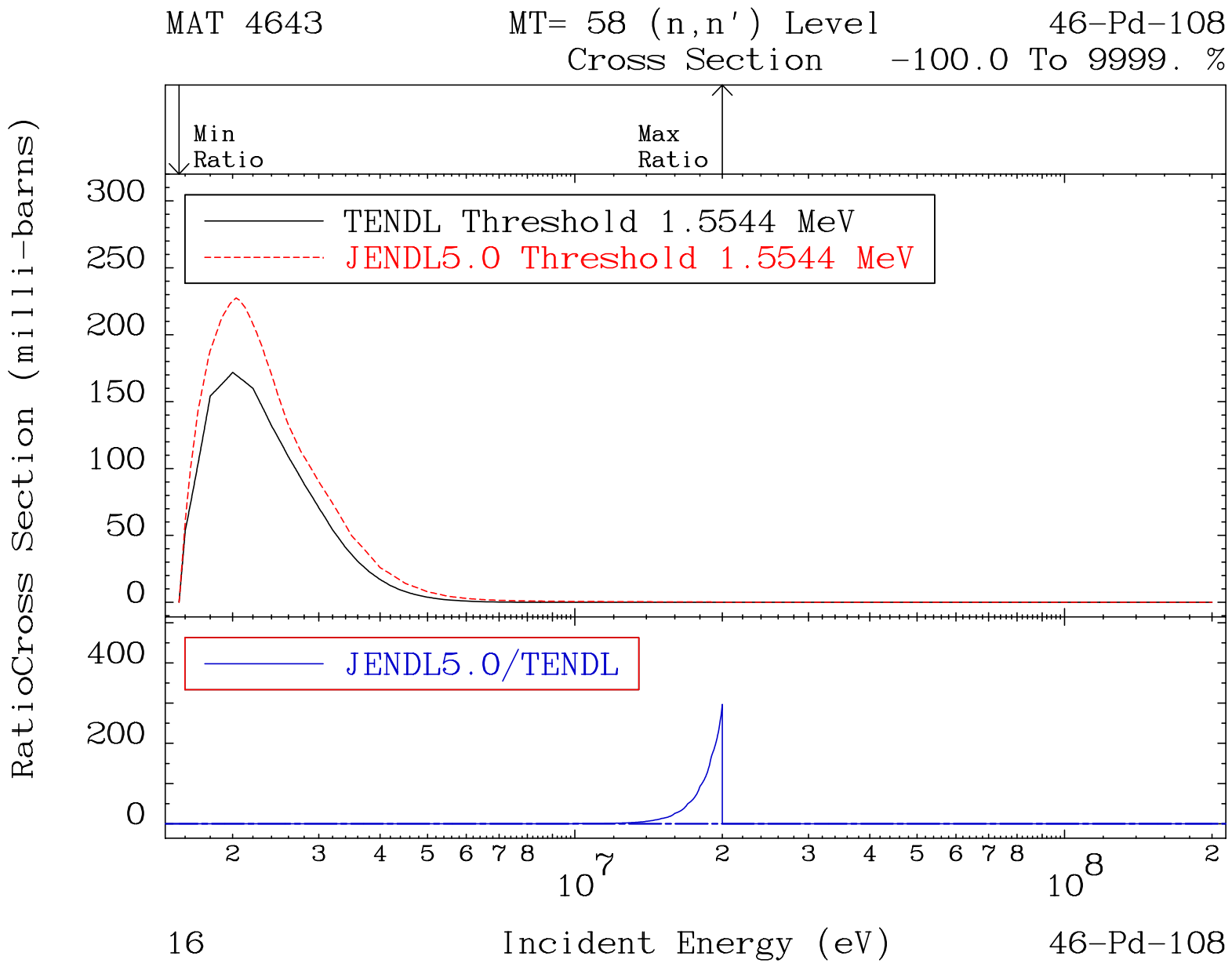

MAT 4643
MT= 53 (n,n') Level
46-Pd-108
Cross Section
-100.0 To 54.66 %
Max
Ratio
TENDL Threshold 1.0580 MeV
JENDL5.0 Threshold 1.0580 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
2.0
1.0
0.0
10^6
10^7
10^8
Incident Energy (eV)
11
46-Pd-108

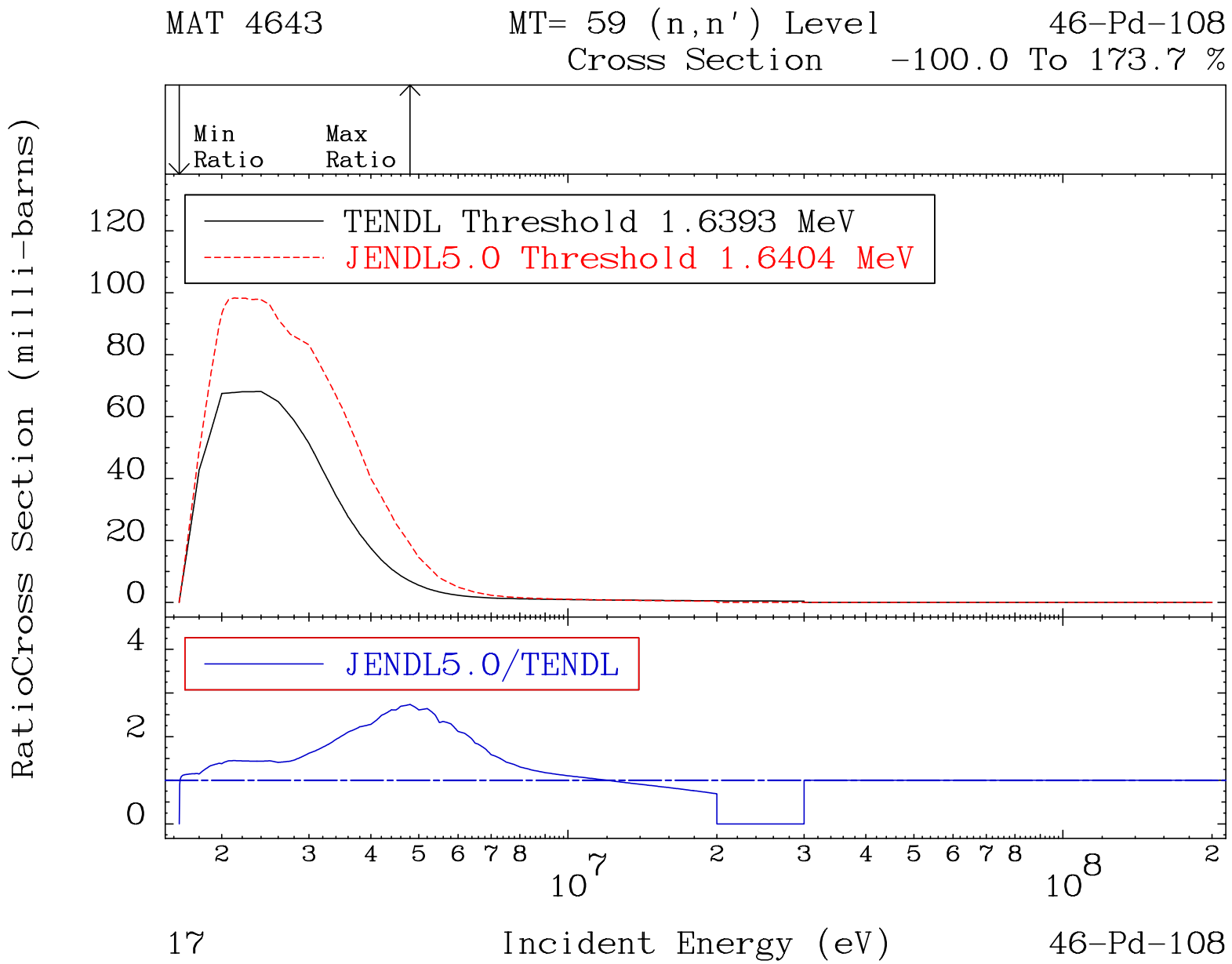

MAT 4643
MT= 54 (n,n') Level
46-Pd-108
Cross Section
-100.0 To 56.01 %
Max Ratio
Min Ratio
TENDL Threshold 1.0626 MeV
JENDL5.0 Threshold 1.0626 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
2.0
1.0
0.0
10^6
10^7
10^8
Incident Energy (eV)
12
46-Pd-108

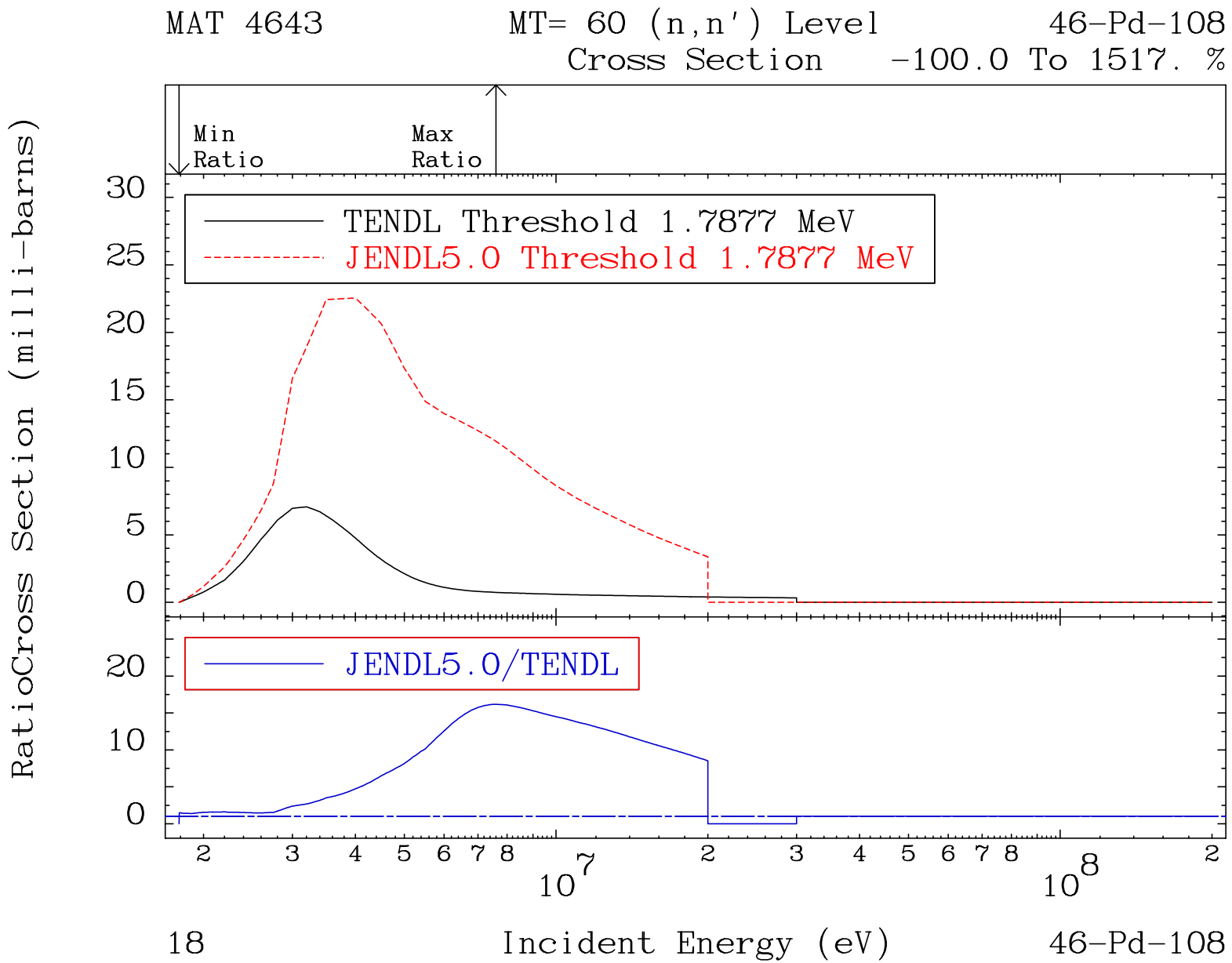

MAT 4643
MT= 55 (n,n') Level
46-Pd-108
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.3265 MeV
JENDL5.0 Threshold 1.3265 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
0.8
0.4
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
13
Incident Energy (eV)
46-Pd-108

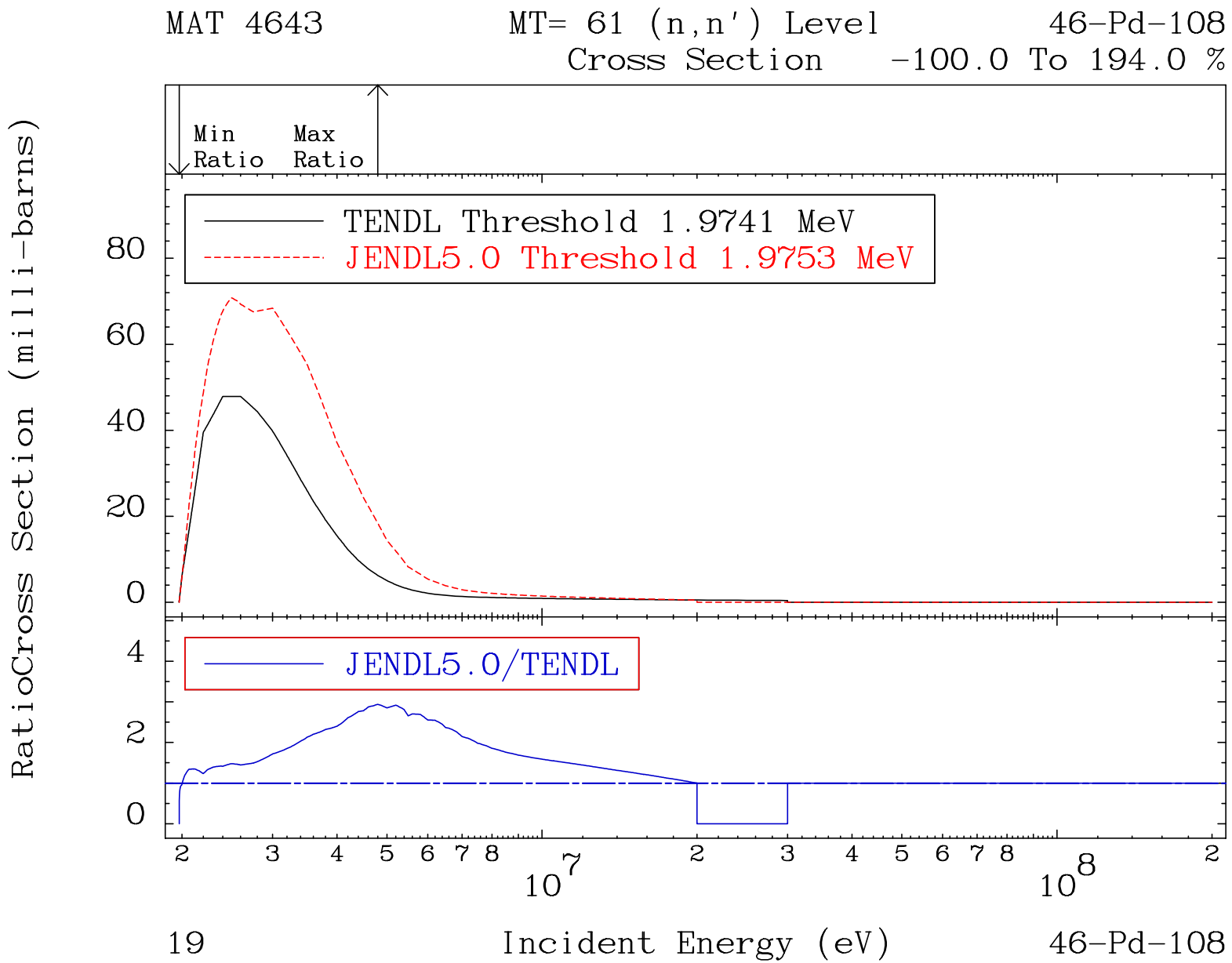

MAT 4643
MT= 56 (n,n') Level
46-Pd-108
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.3477 MeV
JENDL5.0 Threshold 1.3477 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
80
40
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
14
Incident Energy (eV)
46-Pd-108

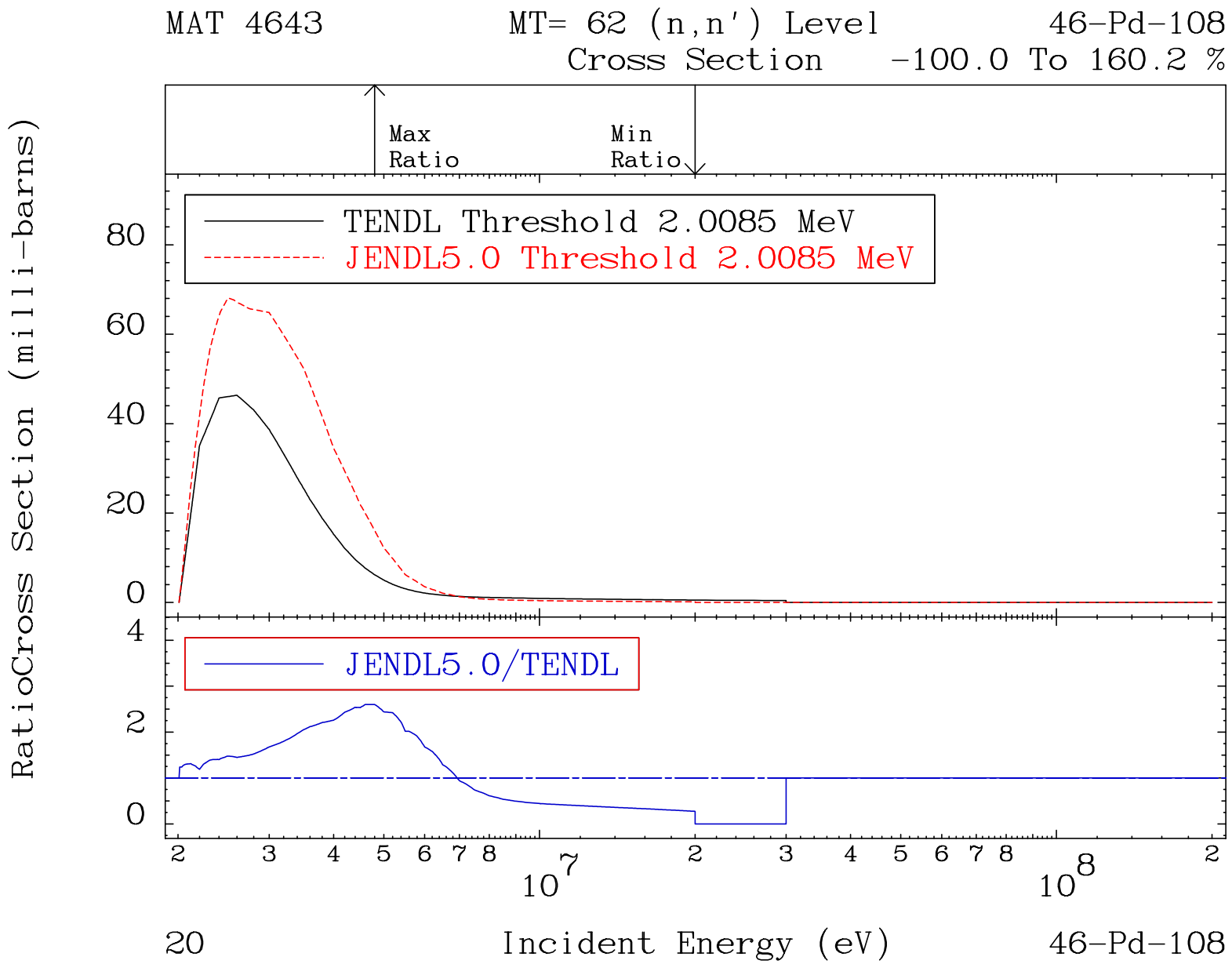

MAT 4643
MT= 57 (n,n') Level
46-Pd-108
Cross Section
-100.0 To 76.31 %
Max Ratio
Min Ratio
TENDL Threshold 1.4547 MeV
JENDL5.0 Threshold 1.4547 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
2.0
1.0
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
15
Incident Energy (eV)
46-Pd-108

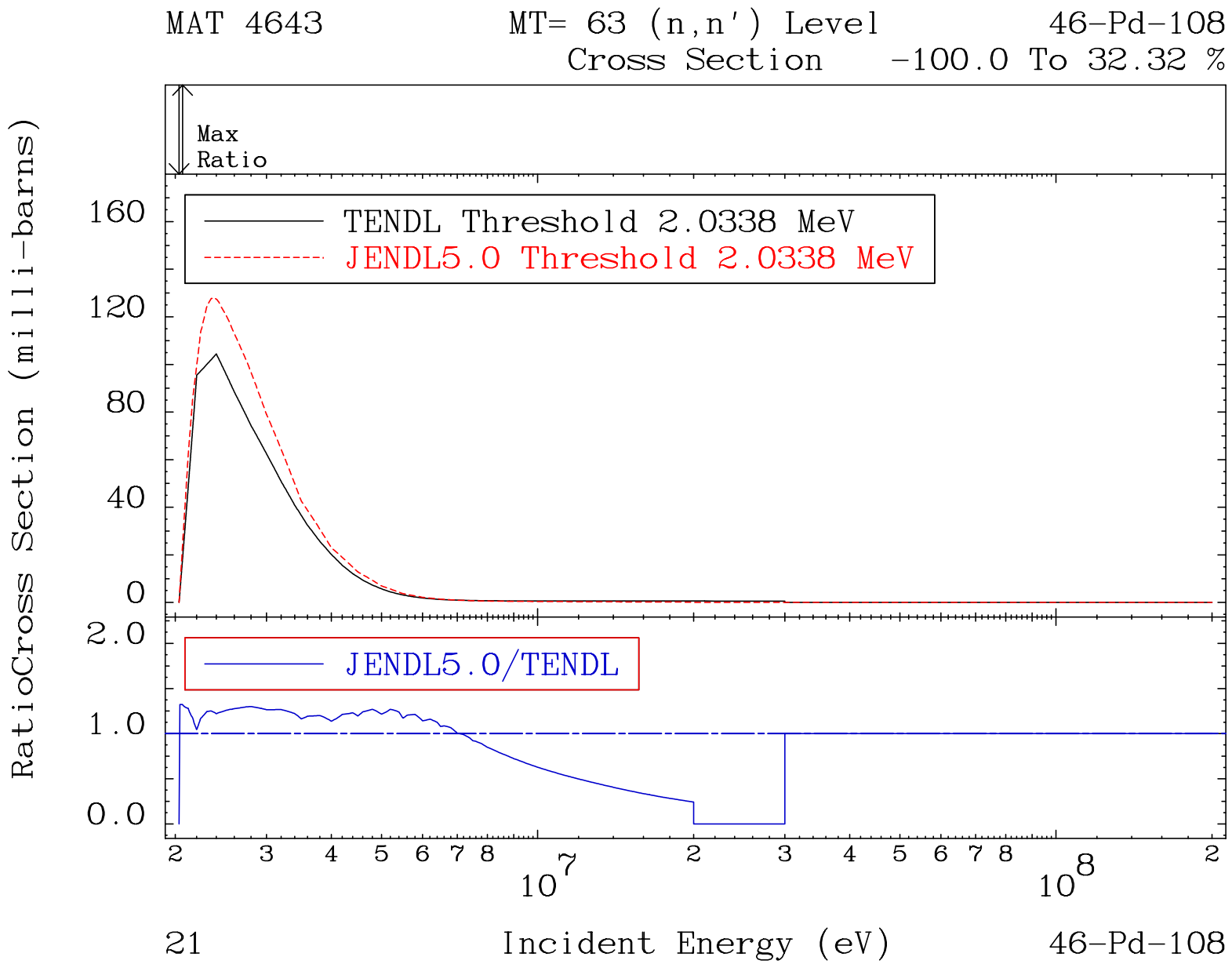

MAT 4643
MT= 58 (n,n') Level
46-Pd-108
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.5544 MeV
JENDL5.0 Threshold 1.5544 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
400
200
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
46-Pd-108

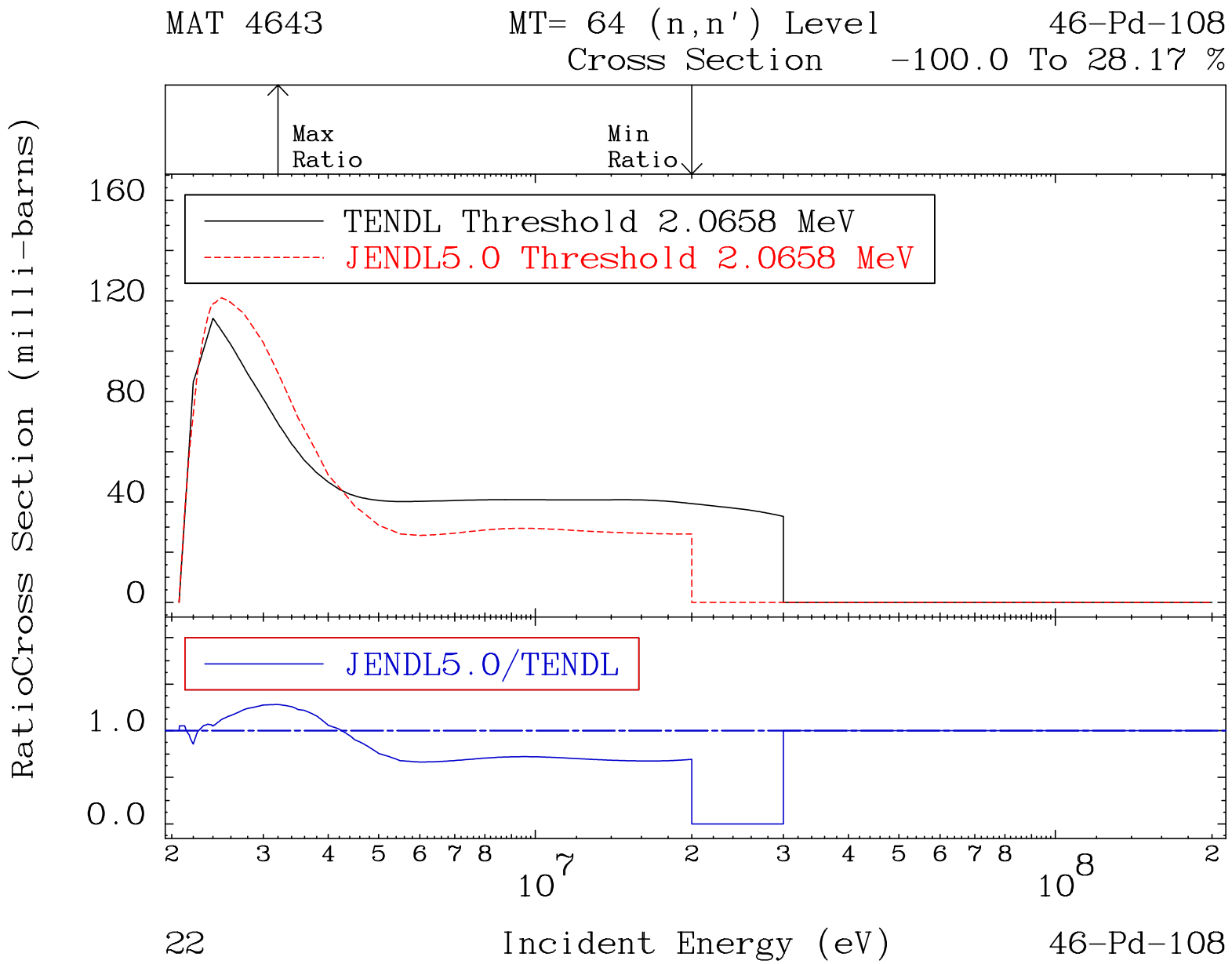

MAT 4643
MT= 59 (n,n') Level
46-Pd-108
Cross Section
-100.0 To 173.7 %
Min Ratio
Max Ratio
TENDL Threshold 1.6393 MeV
JENDL5.0 Threshold 1.6404 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
4
2
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
46-Pd-108

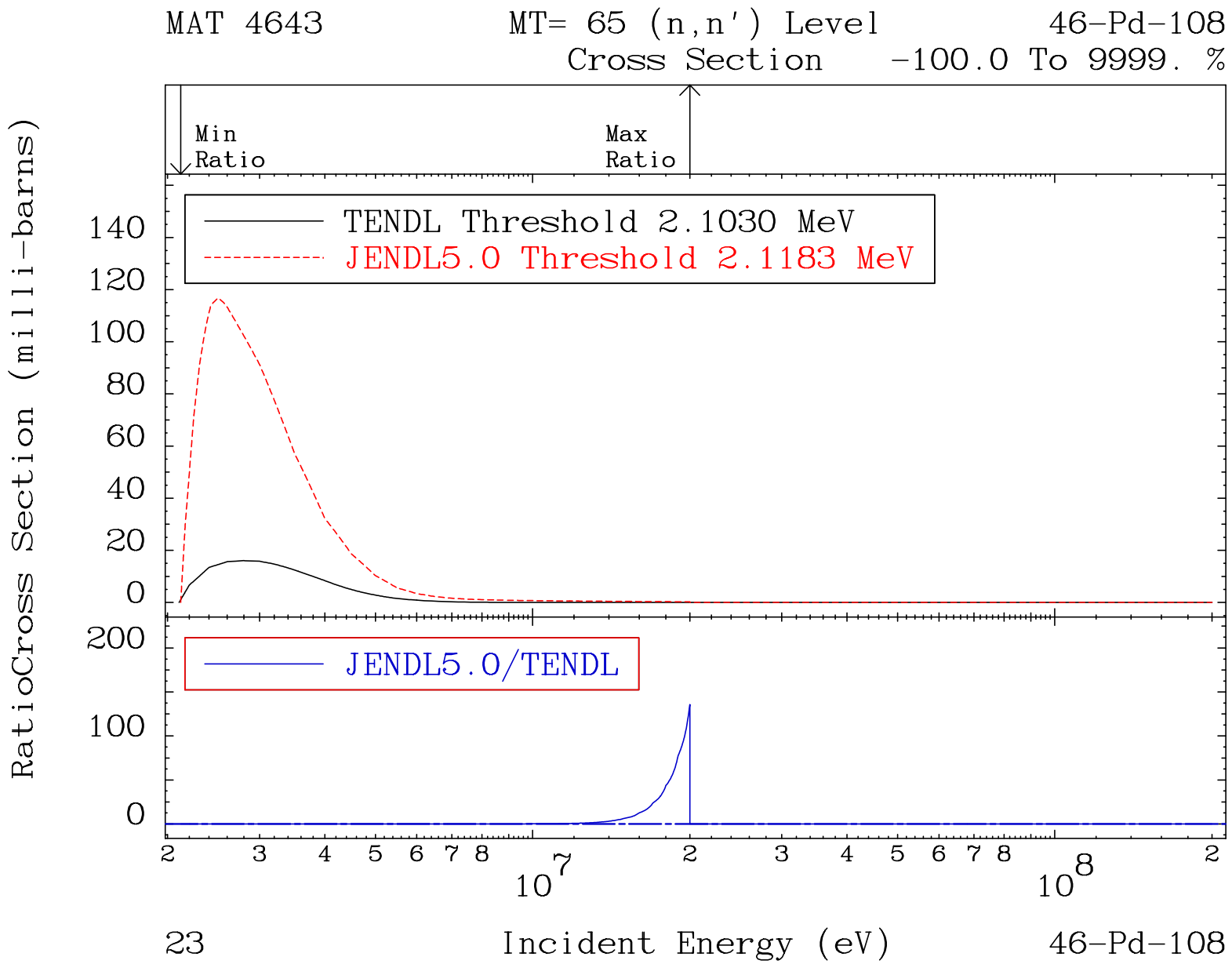

MAT 4643
MT= 60 (n,n') Level
46-Pd-108
Cross Section -100.0 To 1517. %
Min Ratio
Max Ratio
TENDL Threshold 1.7877 MeV
JENDL5.0 Threshold 1.7877 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
18
46-Pd-108

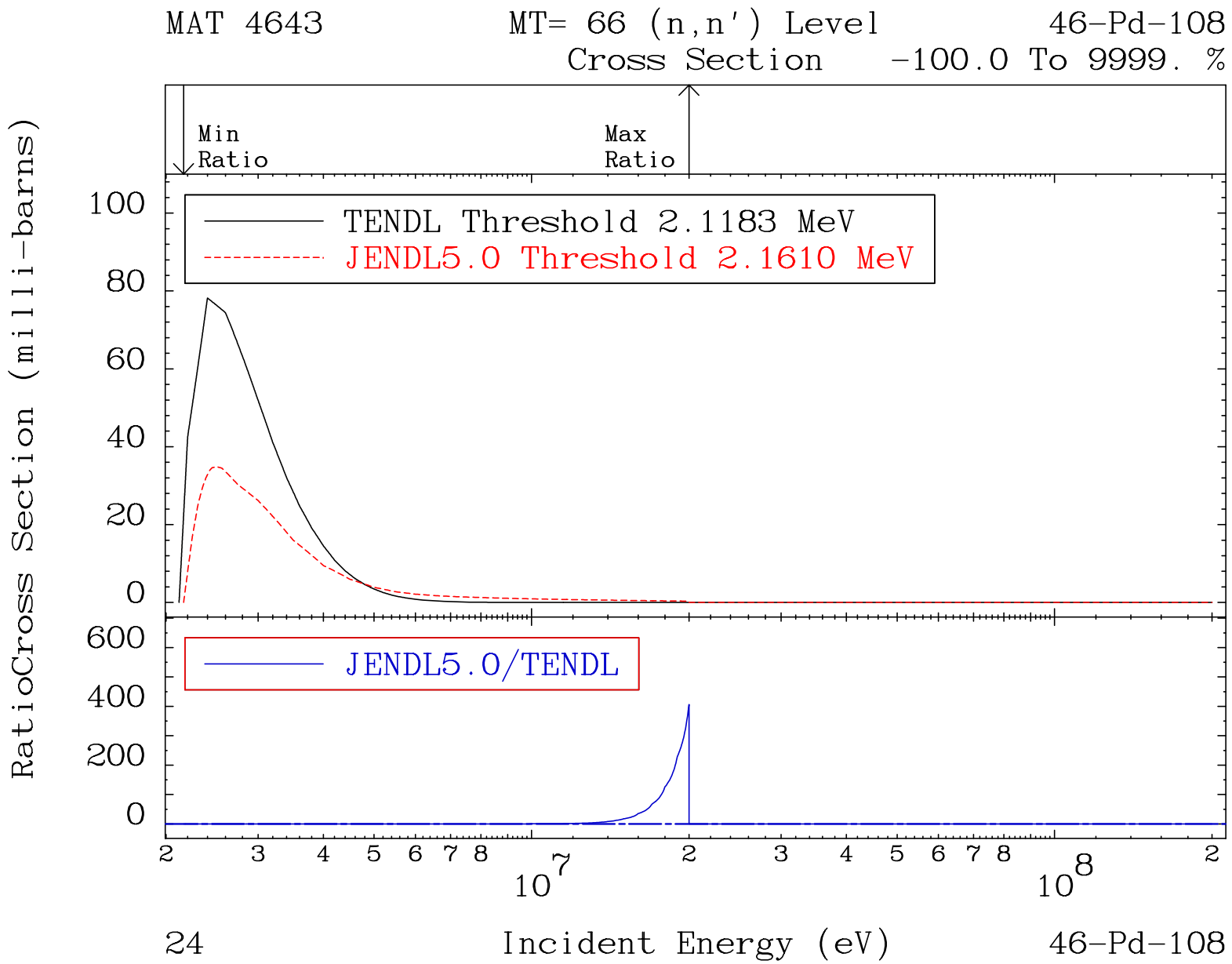

MAT 4643
MT= 61 (n,n') Level
46-Pd-108
Cross Section -100.0 To 194.0 %
Min Ratio
Max Ratio
TENDL Threshold 1.9741 MeV
JENDL5.0 Threshold 1.9753 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
4
2
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
46-Pd-108

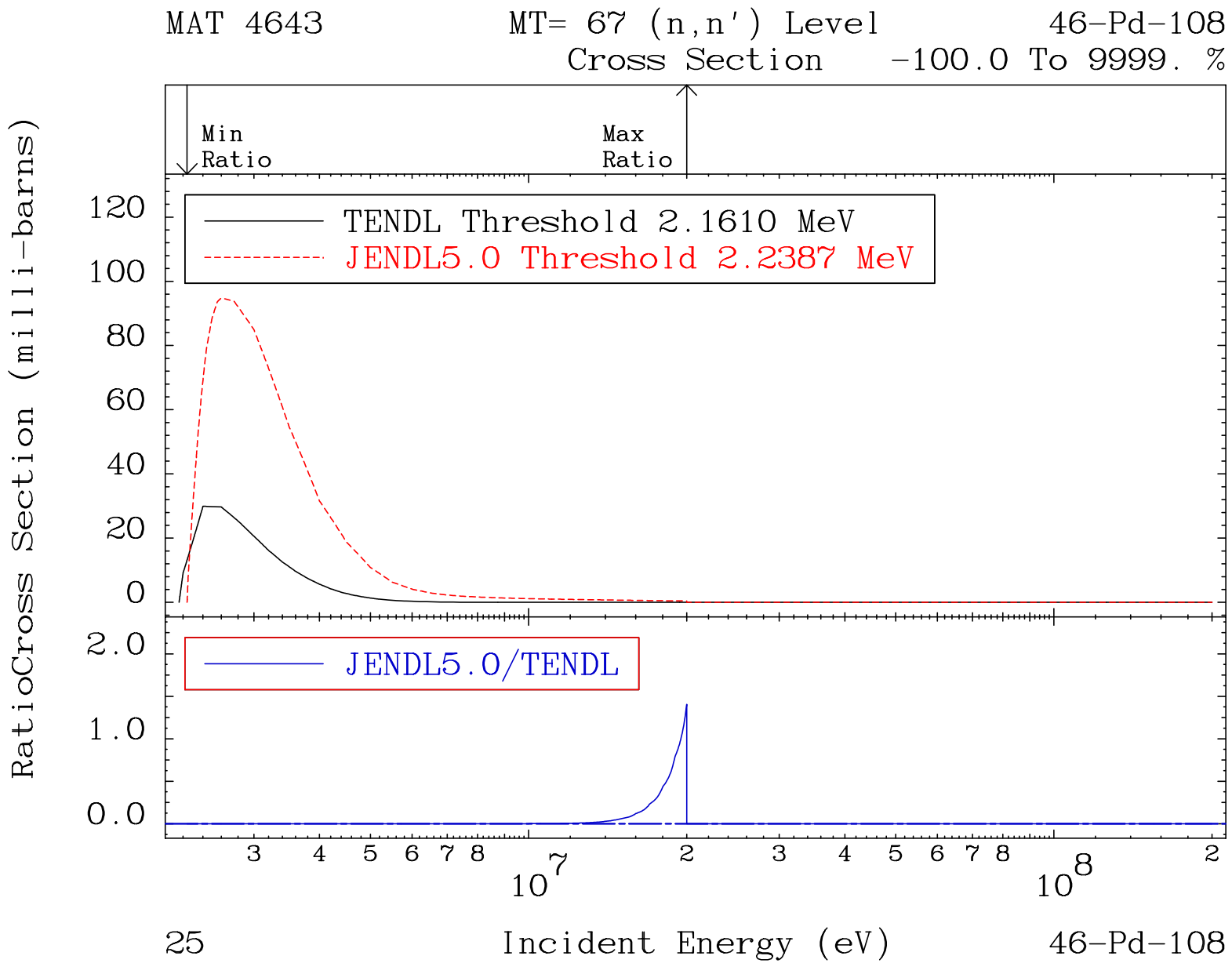

MAT 4643
MT= 62 (n,n') Level
46-Pd-108
Cross Section
-100.0 To 160.2 %
Max Ratio
Min Ratio
TENDL Threshold 2.0085 MeV
JENDL5.0 Threshold 2.0085 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
4
2
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
20
Incident Energy (eV)
46-Pd-108

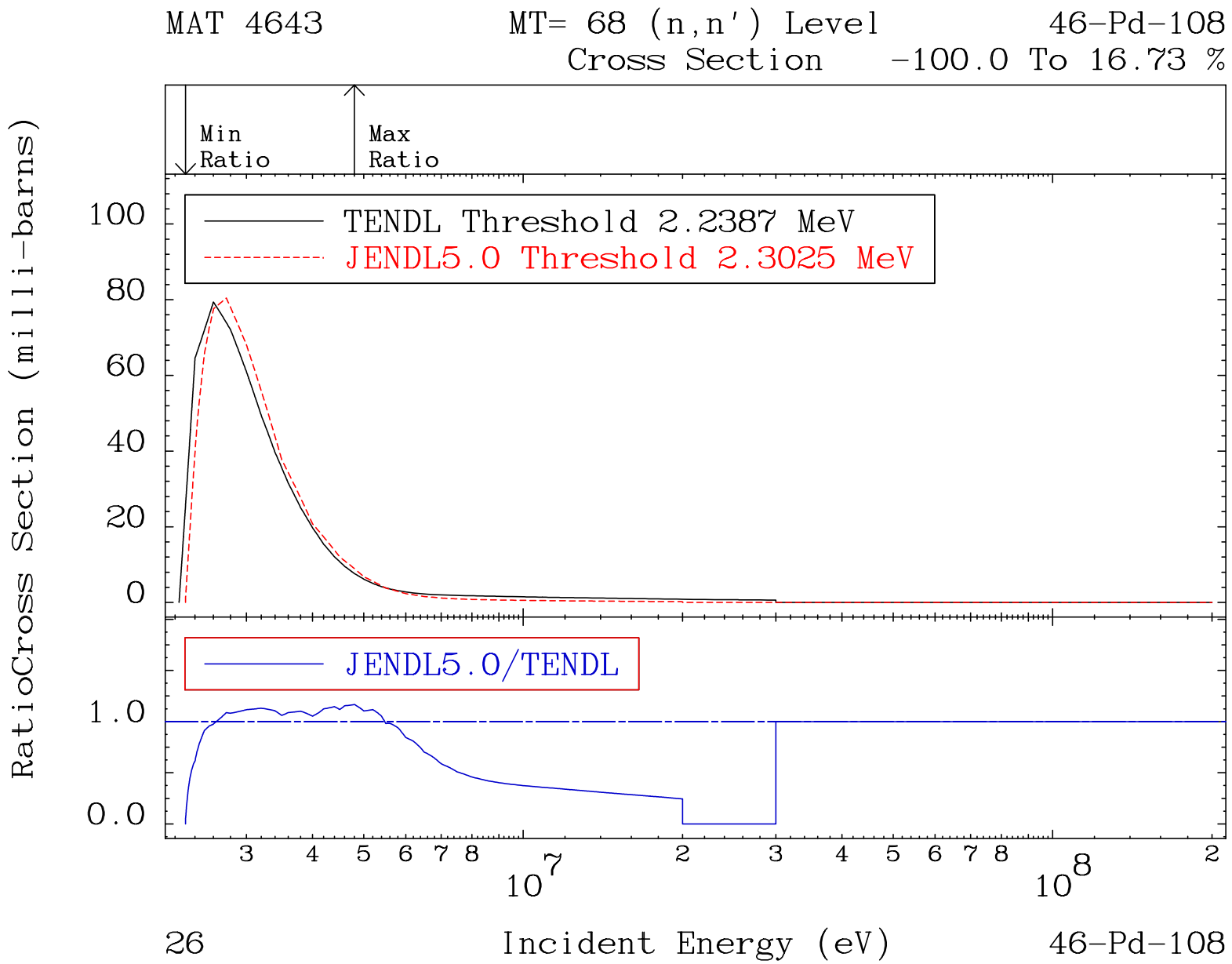

MAT 4643
MT= 63 (n,n') Level
46-Pd-108
Cross Section
-100.0 To 32.32 %
Max
Ratio
TENDL Threshold 2.0338 MeV
JENDL5.0 Threshold 2.0338 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
46-Pd-108

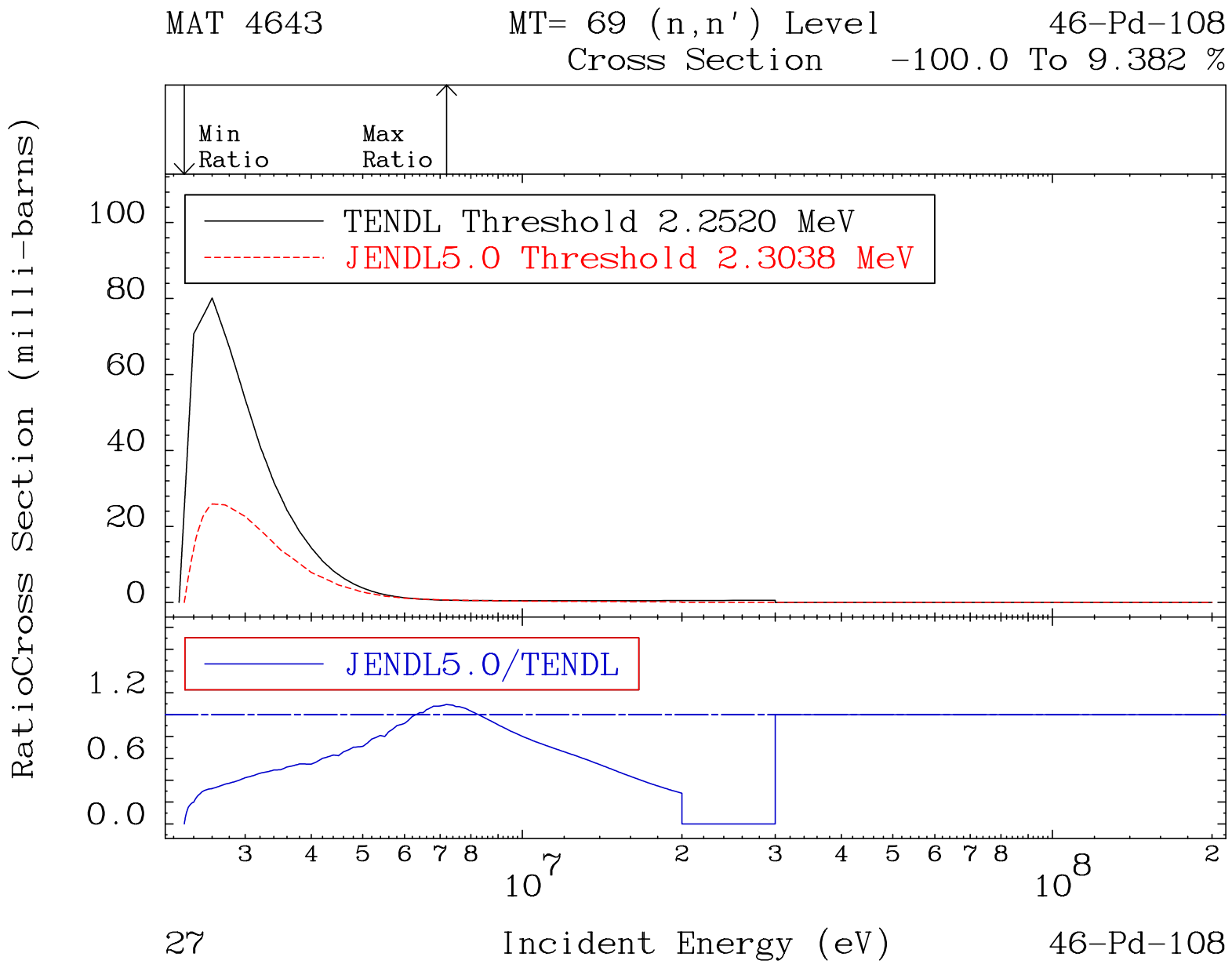

MAT 4643
MT= 64 (n,n') Level
46-Pd-108
Cross Section -100.0 To 28.17 %
Max Ratio
Min Ratio
TENDL Threshold 2.0658 MeV
JENDL5.0 Threshold 2.0658 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
46-Pd-108

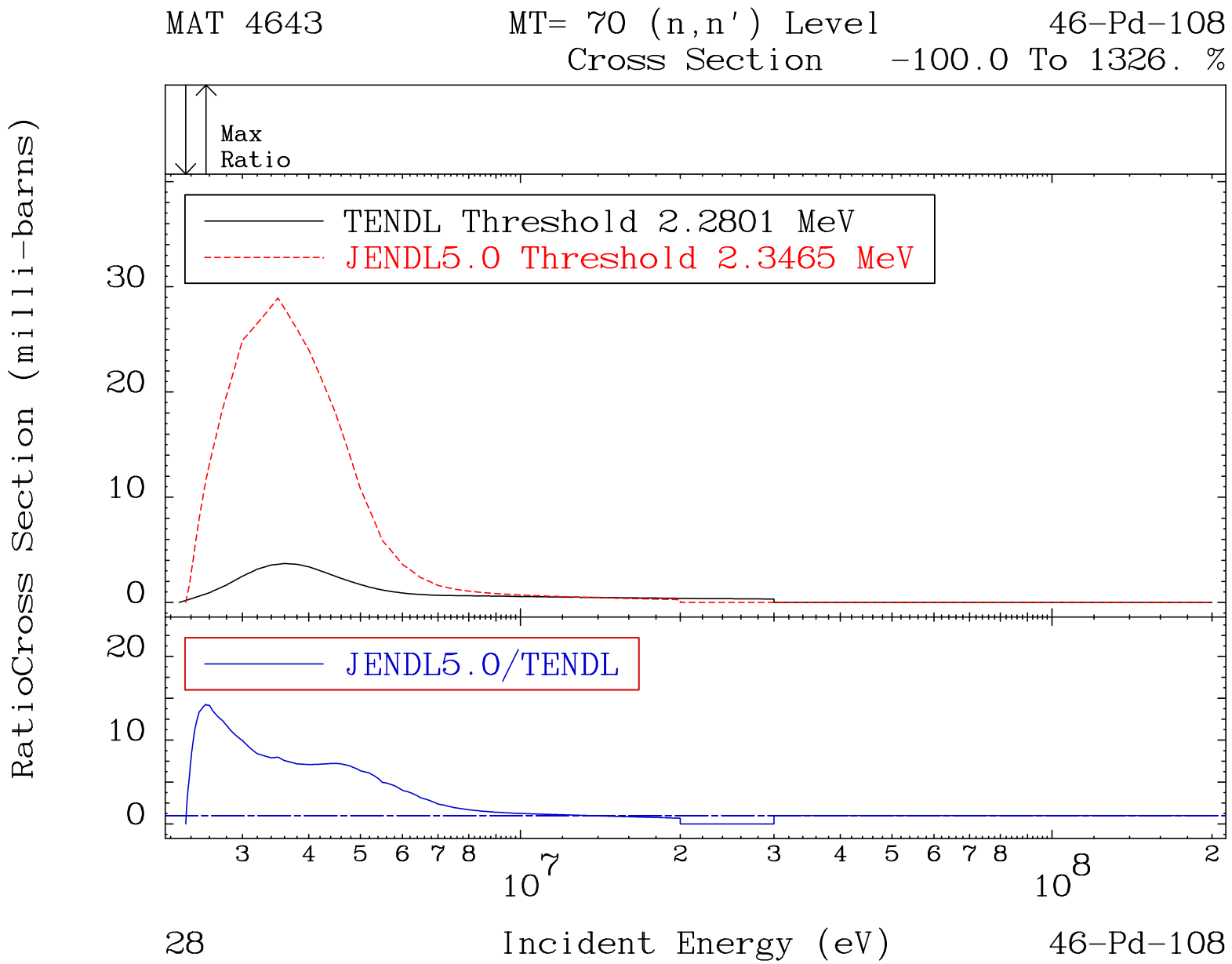

MAT 4643
MT= 65 (n,n') Level
46-Pd-108
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.1030 MeV
JENDL5.0 Threshold 2.1183 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
200
100
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
46-Pd-108

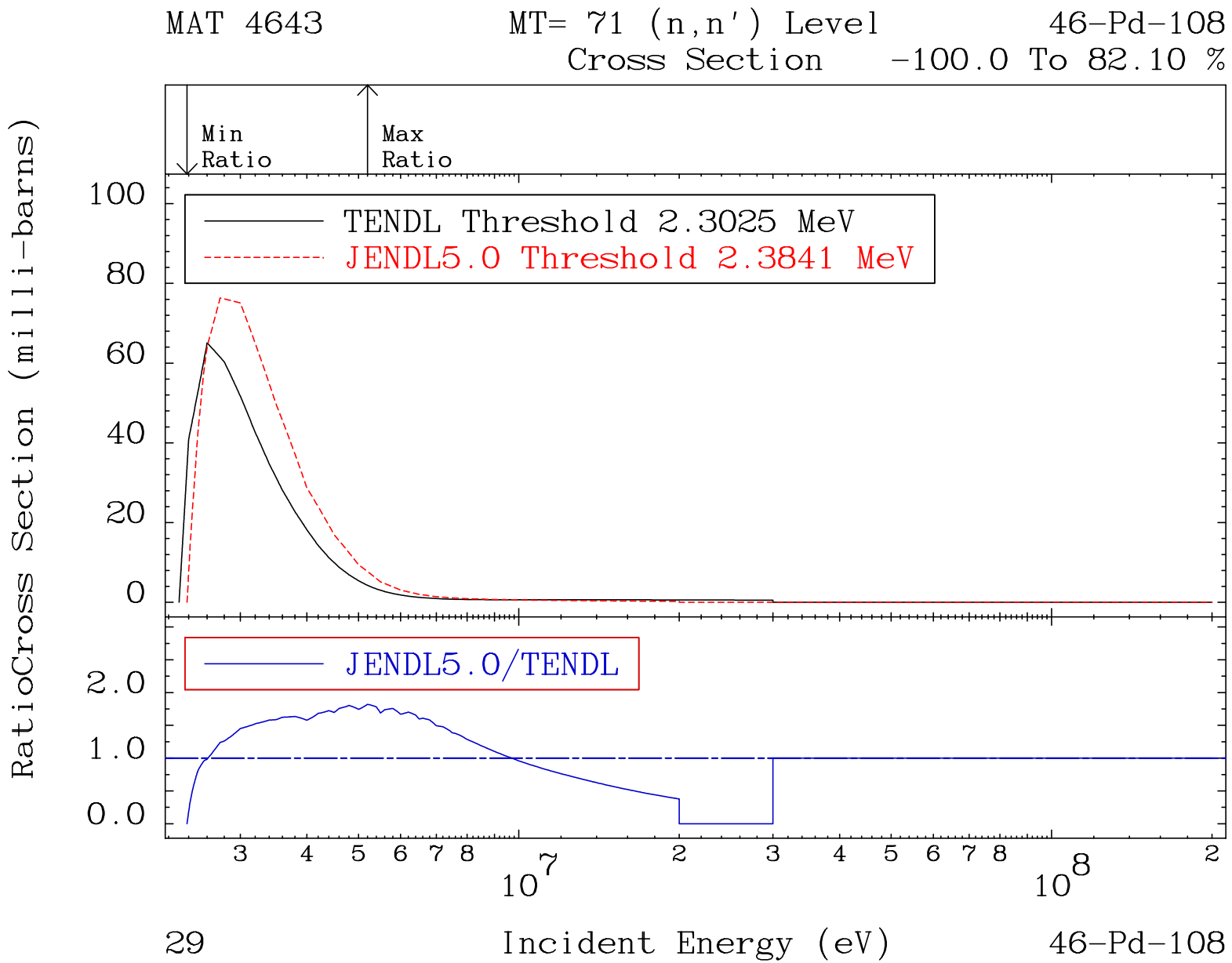

MAT 4643
MT= 66 (n,n') Level
46-Pd-108
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.1183 MeV
JENDL5.0 Threshold 2.1610 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
600
400
200
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
46-Pd-108

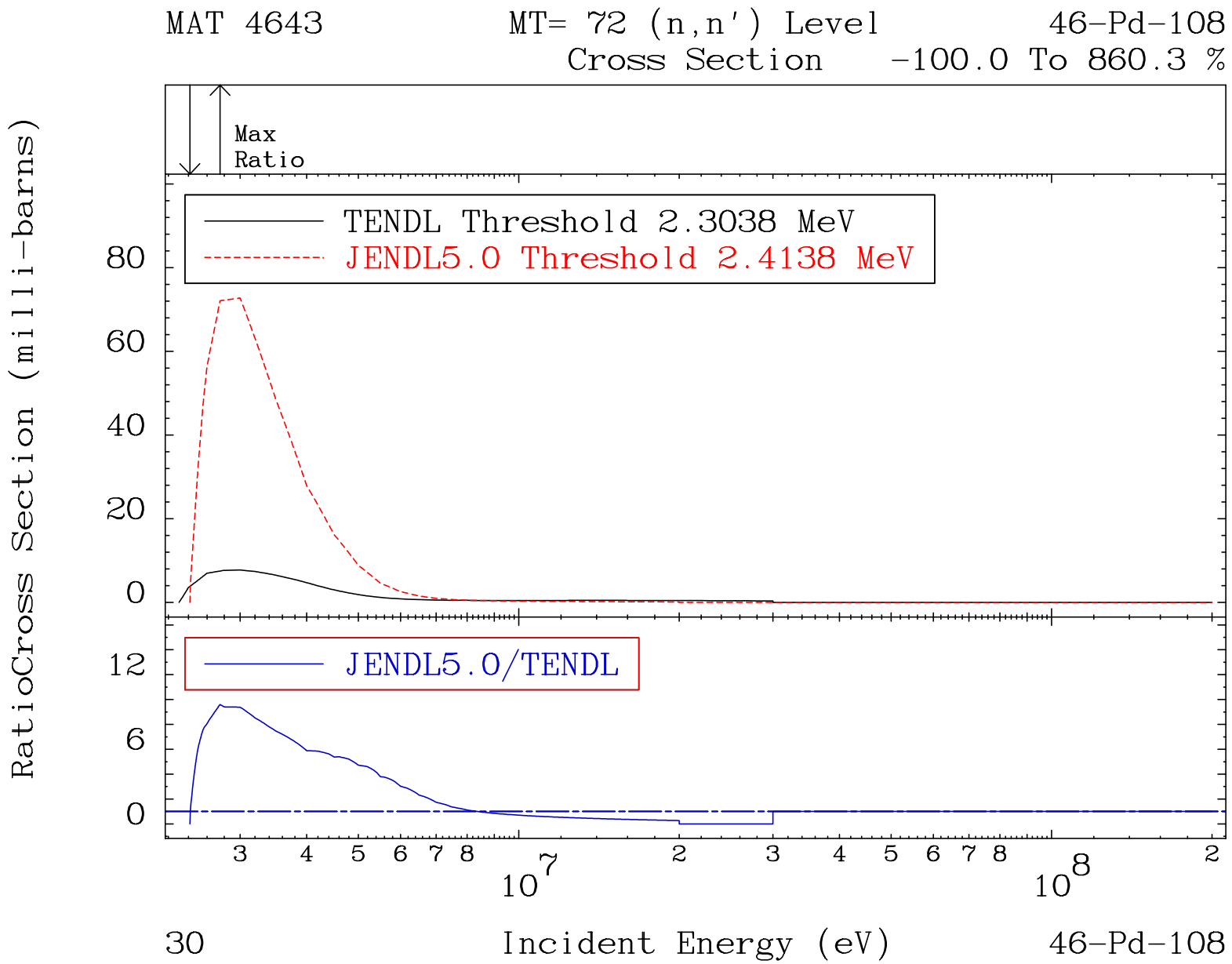

MAT 4643
MT= 67 (n,n') Level
46-Pd-108
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.1610 MeV
JENDL5.0 Threshold 2.2387 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
46-Pd-108

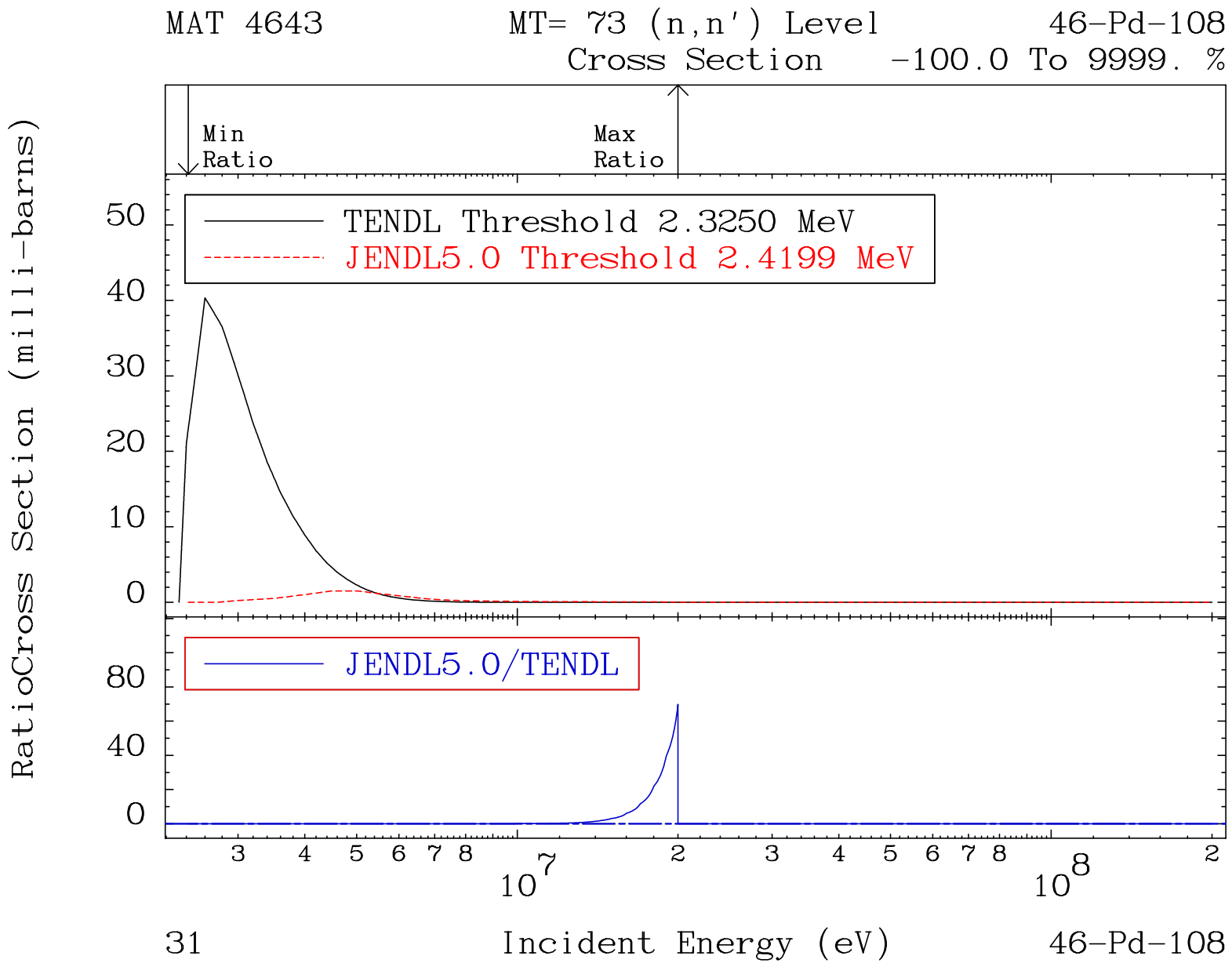

MAT 4643
MT= 68 (n,n') Level
46-Pd-108
Cross Section -100.0 To 16.73 %
Min Ratio
Max Ratio
TENDL Threshold 2.2387 MeV
JENDL5.0 Threshold 2.3025 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
26
Incident Energy (eV)
46-Pd-108

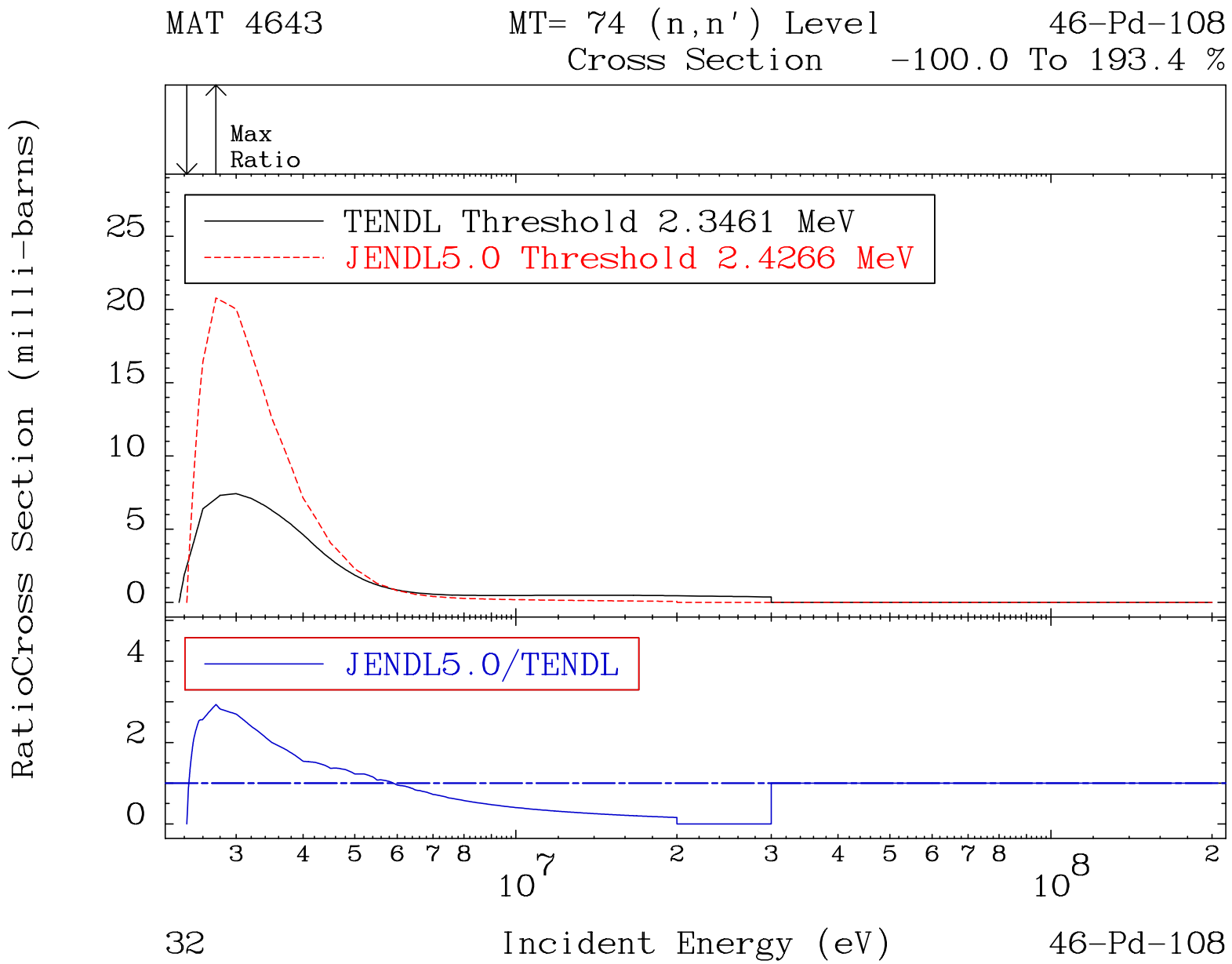

MAT 4643
MT= 69 (n,n') Level
46-Pd-108
Cross Section
-100.0 To 9.382 %
Min Ratio
Max Ratio
TENDL Threshold 2.2520 MeV
JENDL5.0 Threshold 2.3038 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
27
46-Pd-108

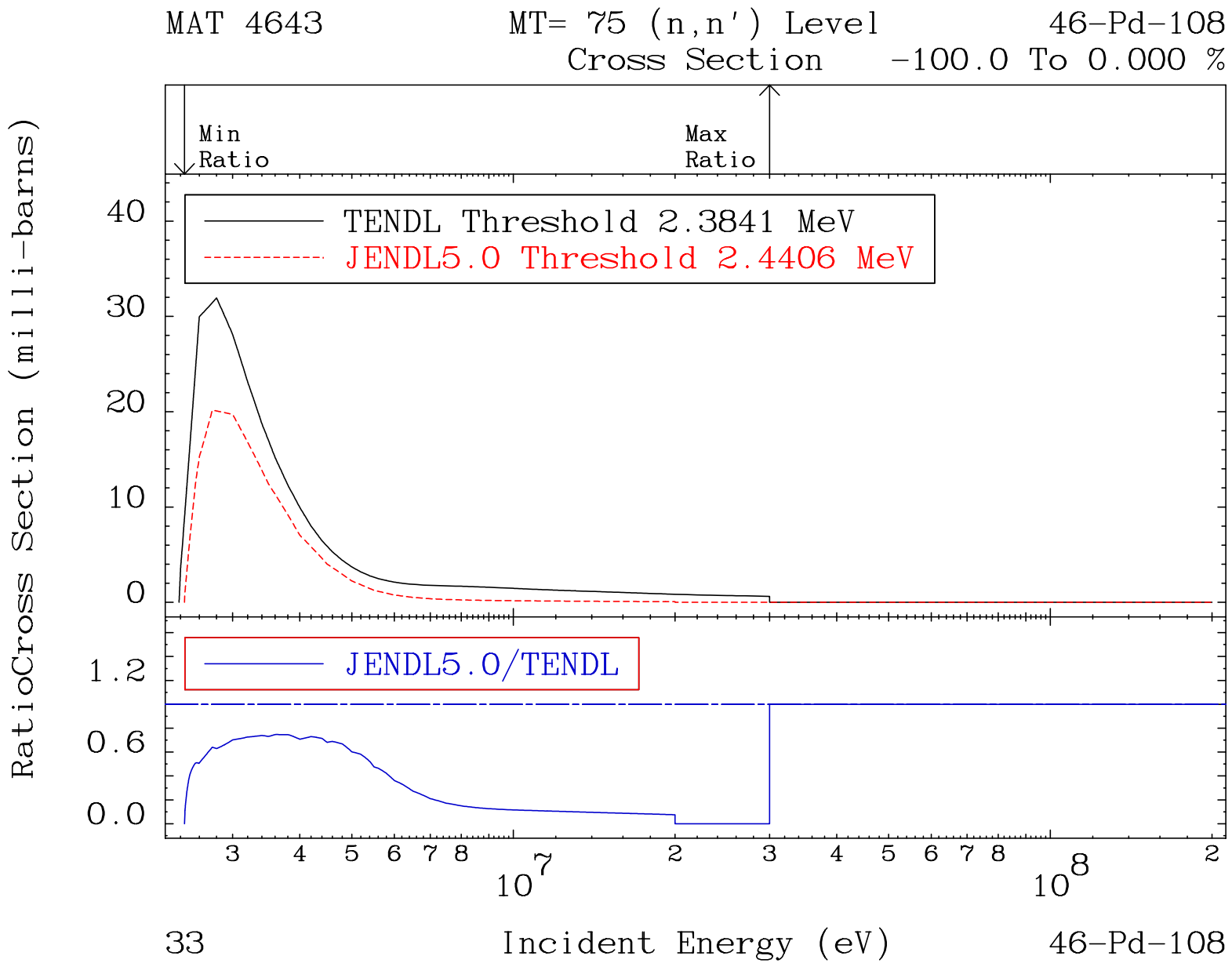

MAT 4643
MT= 70 (n,n') Level
46-Pd-108
Cross Section -100.0 To 1326. %
Max
Ratio
TENDL Threshold 2.2801 MeV
JENDL5.0 Threshold 2.3465 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
20
10
0
20
10
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
46-Pd-108

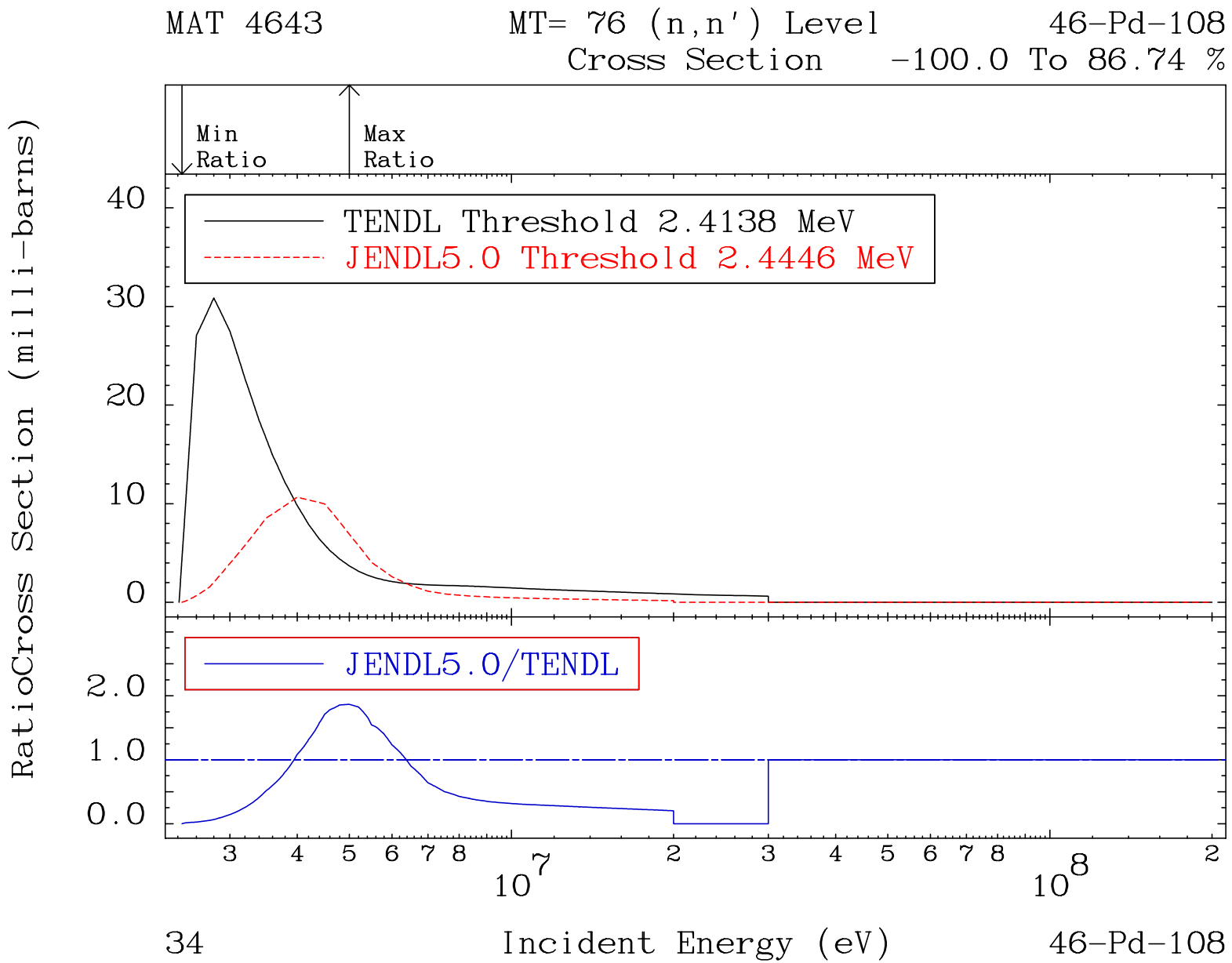

MAT 4643
MT= 71 (n,n') Level
46-Pd-108
Cross Section -100.0 To 82.10 %
Min Ratio
Max Ratio
TENDL Threshold 2.3025 MeV
JENDL5.0 Threshold 2.3841 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
46-Pd-108

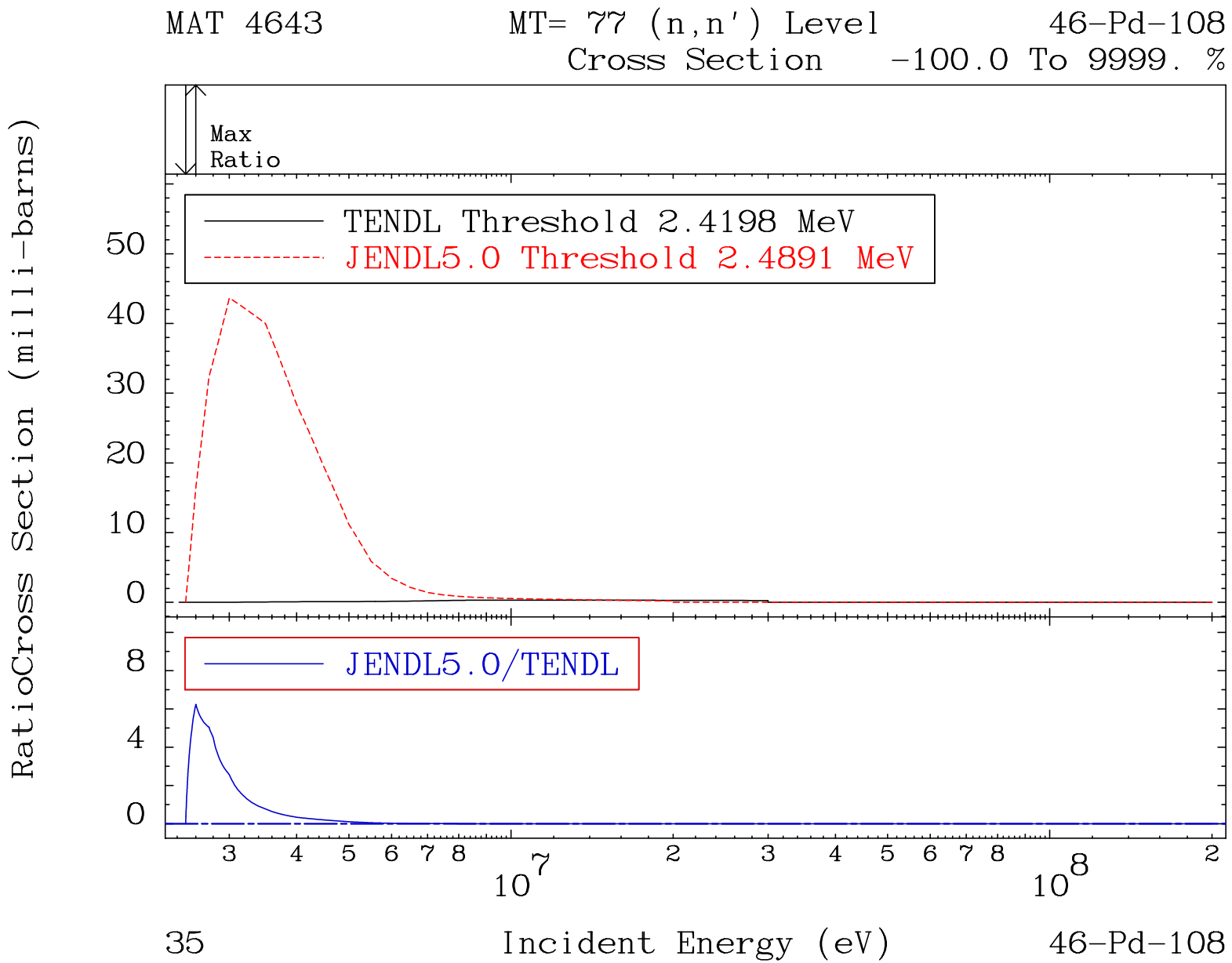

MAT 4643
MT= 72 (n,n') Level
46-Pd-108
Cross Section
-100.0 To 860.3 %
Max
Ratio
TENDL Threshold 2.3038 MeV
JENDL5.0 Threshold 2.4138 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
12
6
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
46-Pd-108

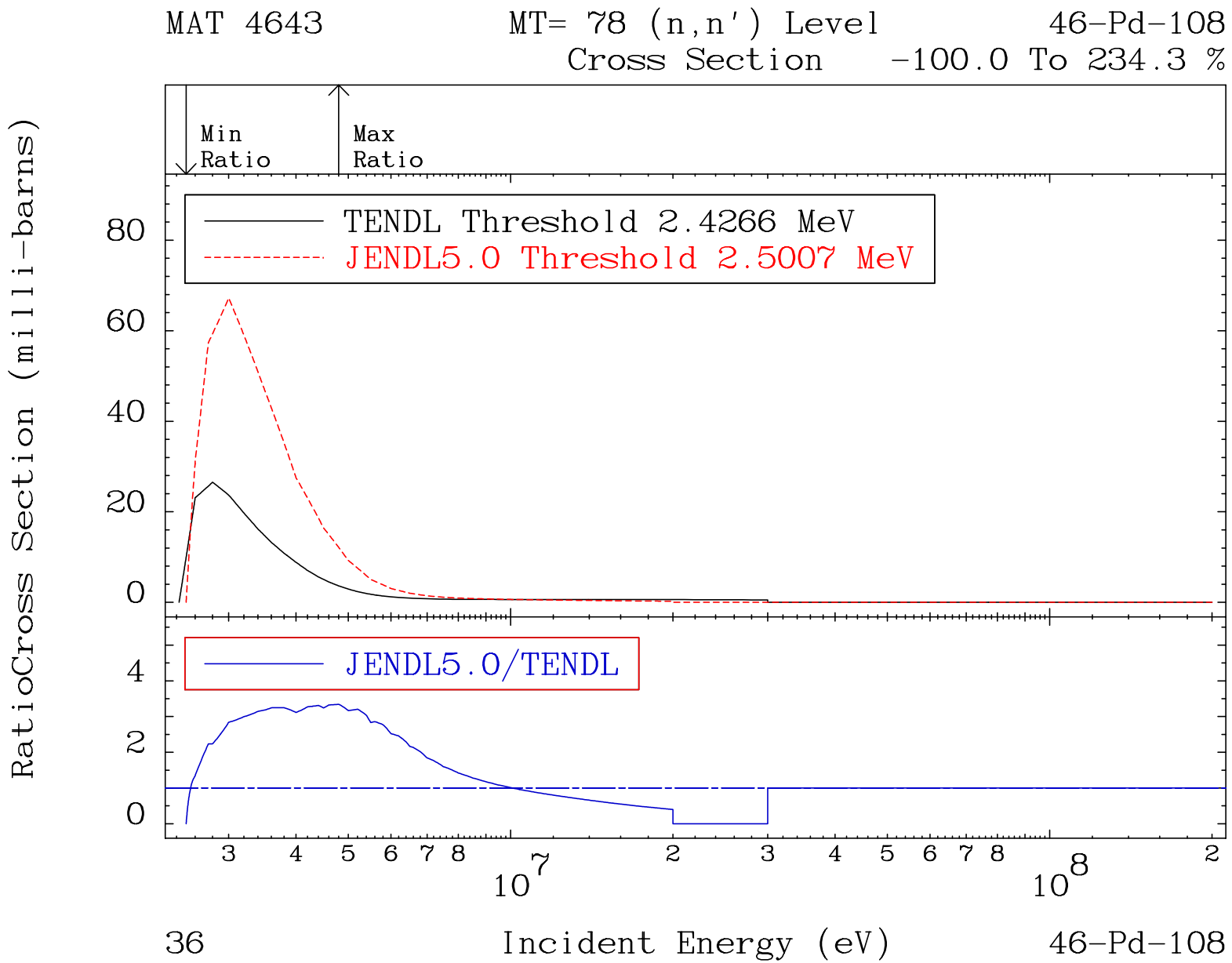

MAT 4643
MT= 73 (n,n') Level
46-Pd-108
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.3250 MeV
JENDL5.0 Threshold 2.4199 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
80
40
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
31
Incident Energy (eV)
46-Pd-108

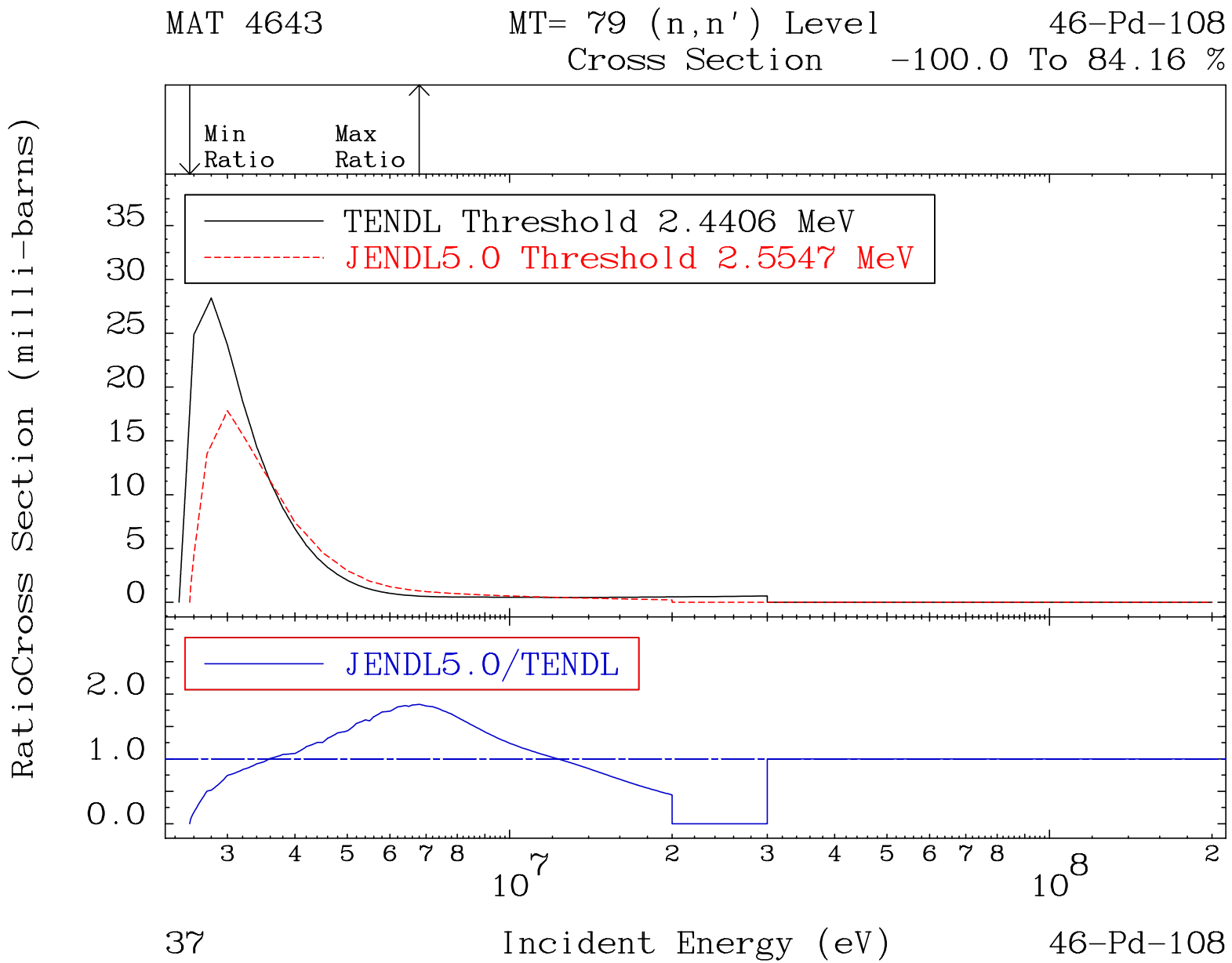

MAT 4643
MT= 74 (n,n') Level
46-Pd-108
Cross Section -100.0 To 193.4 %
Max
Ratio
TENDL Threshold 2.3461 MeV
JENDL5.0 Threshold 2.4266 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
4
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
32
Incident Energy (eV)
46-Pd-108

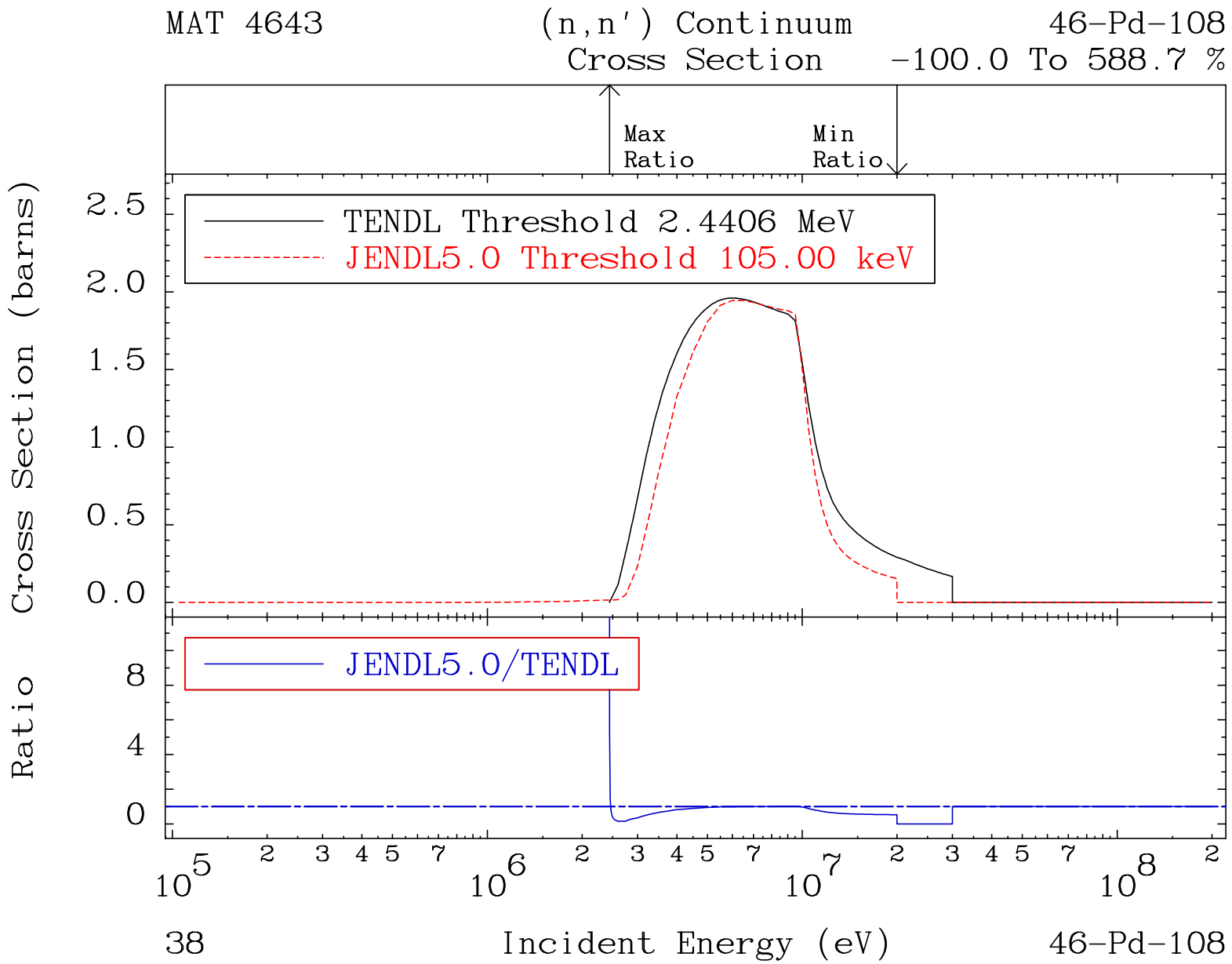

MAT 4643
MT= 75 (n,n') Level
46-Pd-108
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.3841 MeV
JENDL5.0 Threshold 2.4406 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
33
Incident Energy (eV)
46-Pd-108

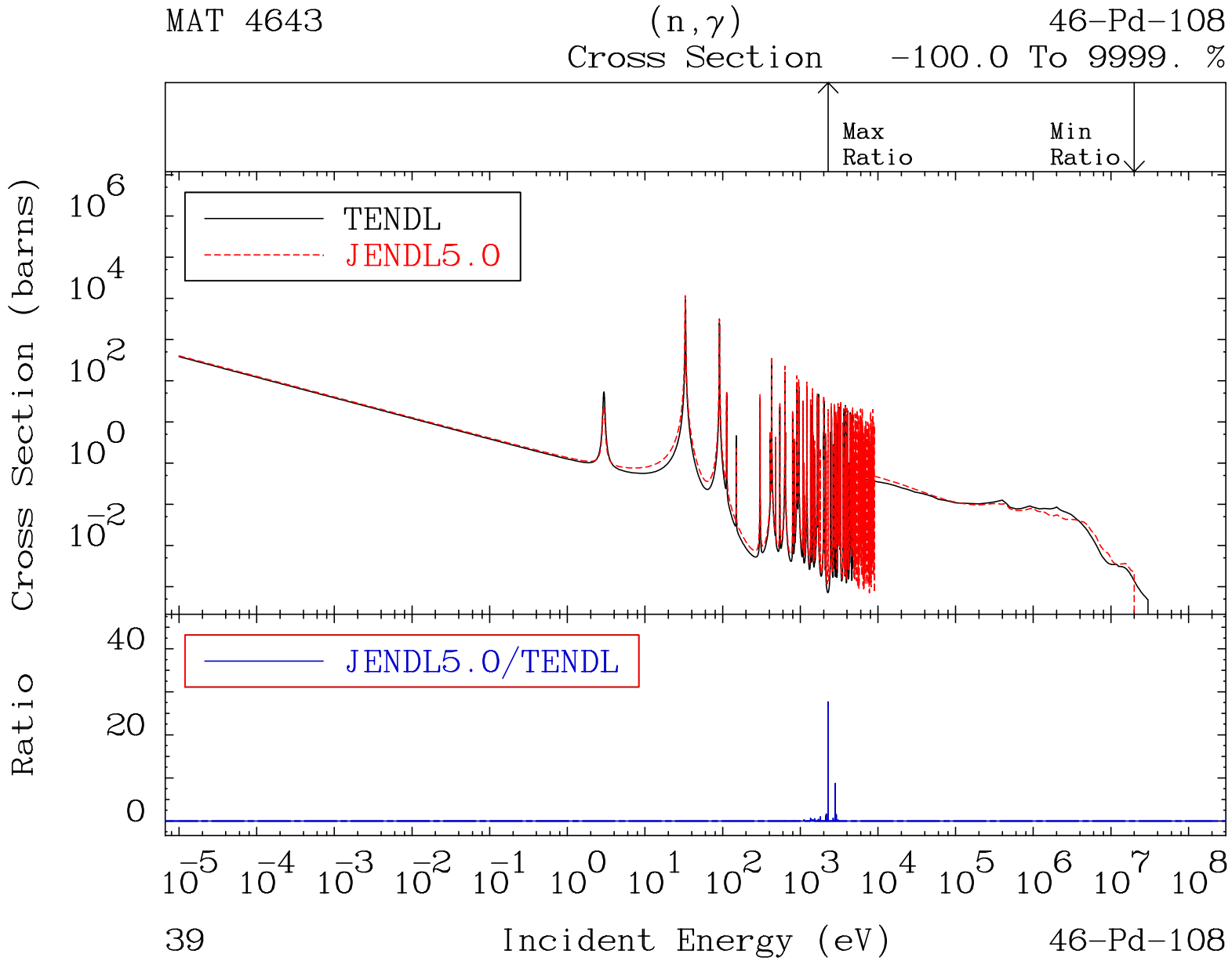

MAT 4643
MT= 76 (n,n') Level
46-Pd-108
Cross Section -100.0 To 86.74 %
Min Ratio
Max Ratio
TENDL Threshold 2.4138 MeV
JENDL5.0 Threshold 2.4446 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
34
Incident Energy (eV)
46-Pd-108

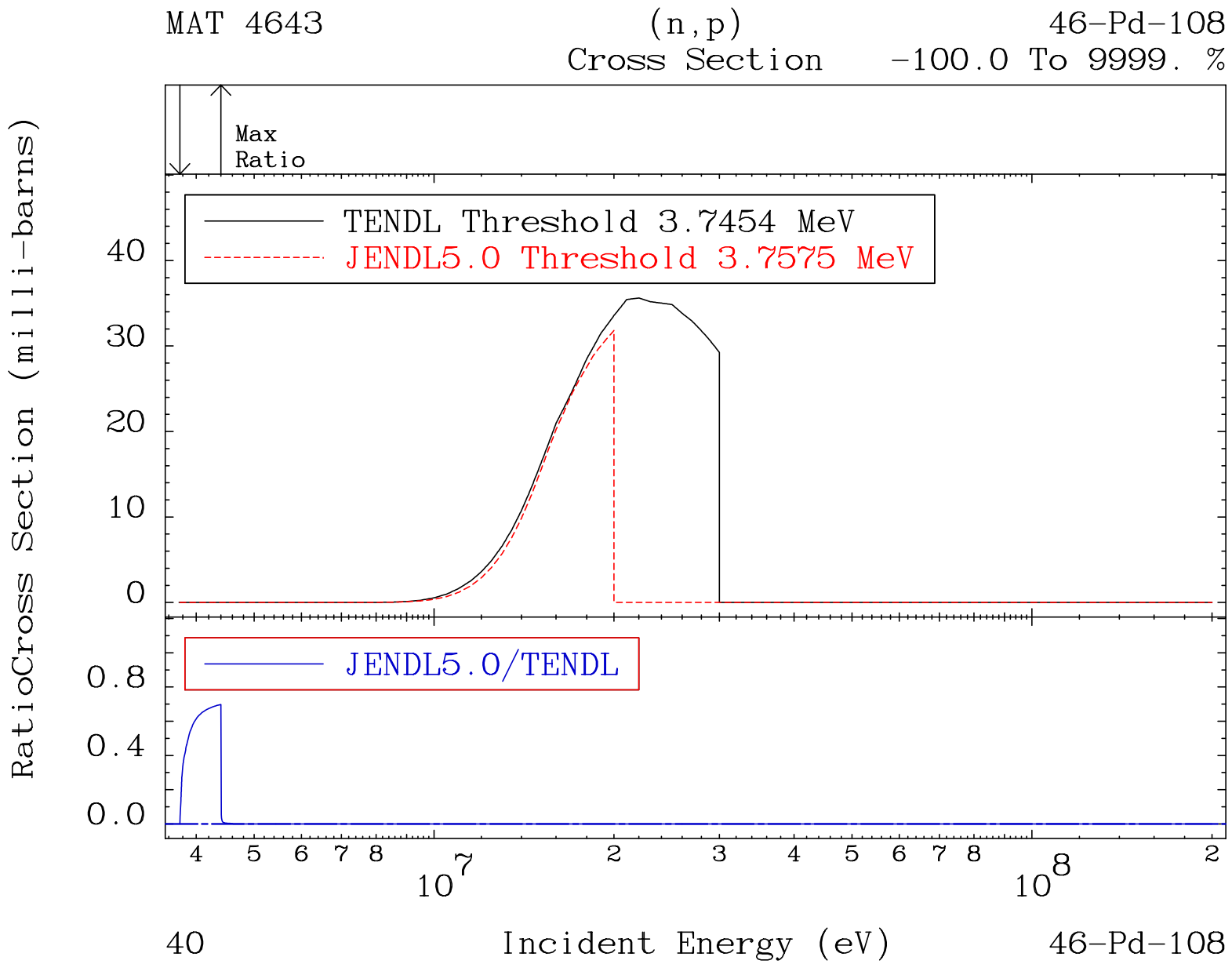

MAT 4643
MT= 77 (n,n') Level
46-Pd-108
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 2.4198 MeV
JENDL5.0 Threshold 2.4891 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
8
4
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
46-Pd-108

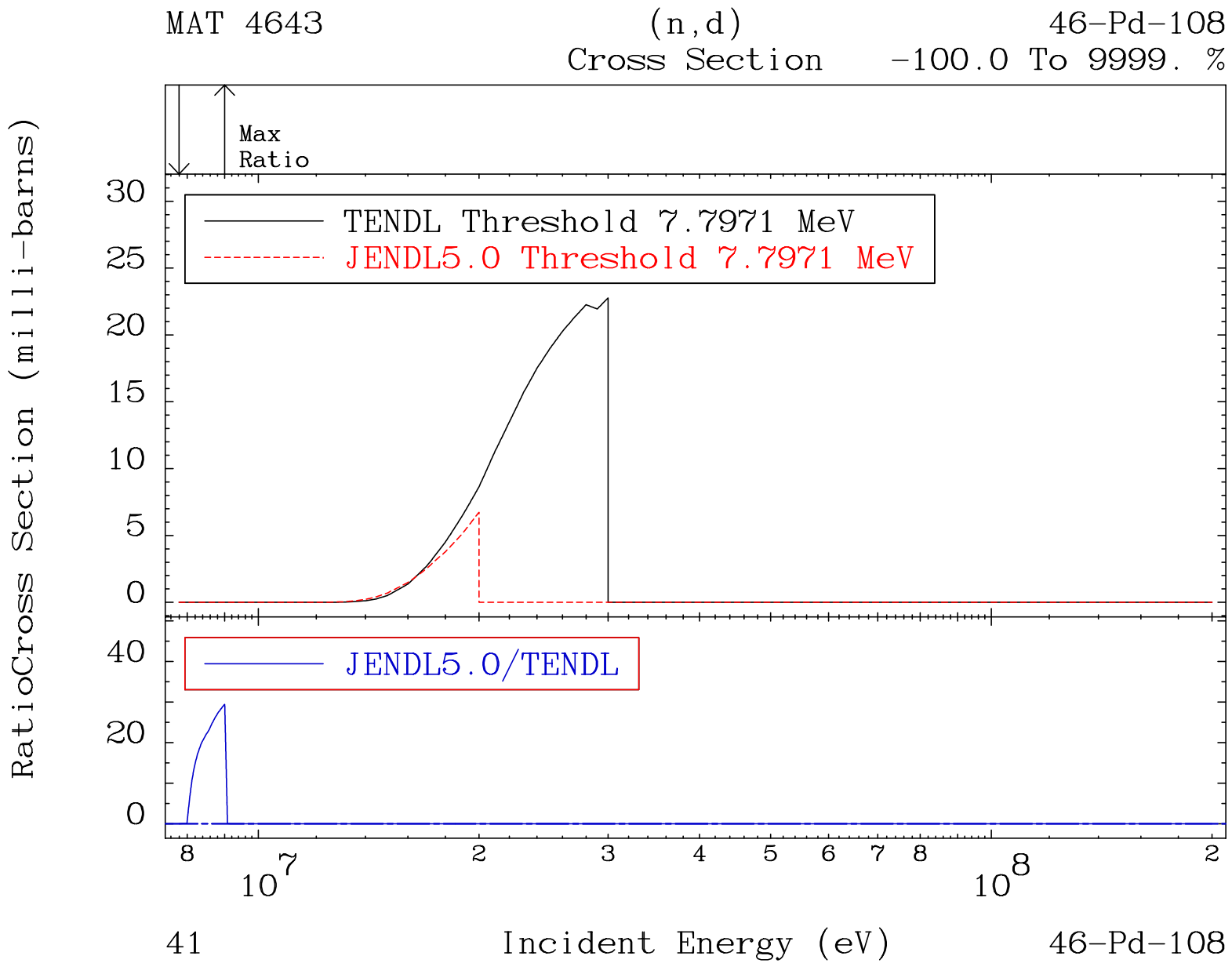

MAT 4643
MT= 78 (n,n') Level
46-Pd-108
Cross Section -100.0 To 234.3 %
Min Ratio
Max Ratio
TENDL Threshold 2.4266 MeV
JENDL5.0 Threshold 2.5007 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
4
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
36
Incident Energy (eV)
46-Pd-108

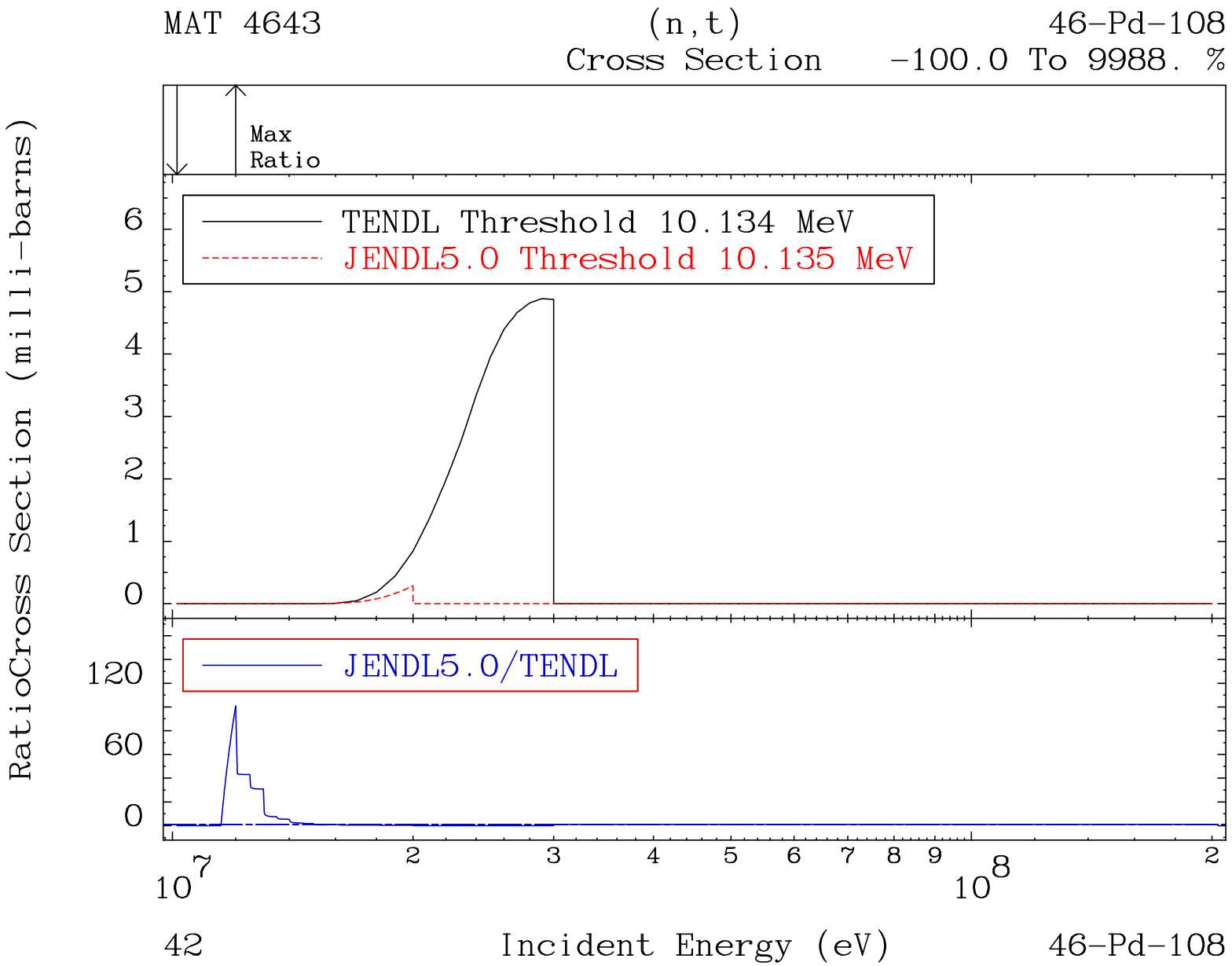

MAT 4643
MT= 79 (n,n') Level
46-Pd-108
Cross Section -100.0 To 84.16 %
Min Ratio
Max Ratio
TENDL Threshold 2.4406 MeV
JENDL5.0 Threshold 2.5547 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
37
Incident Energy (eV)
46-Pd-108

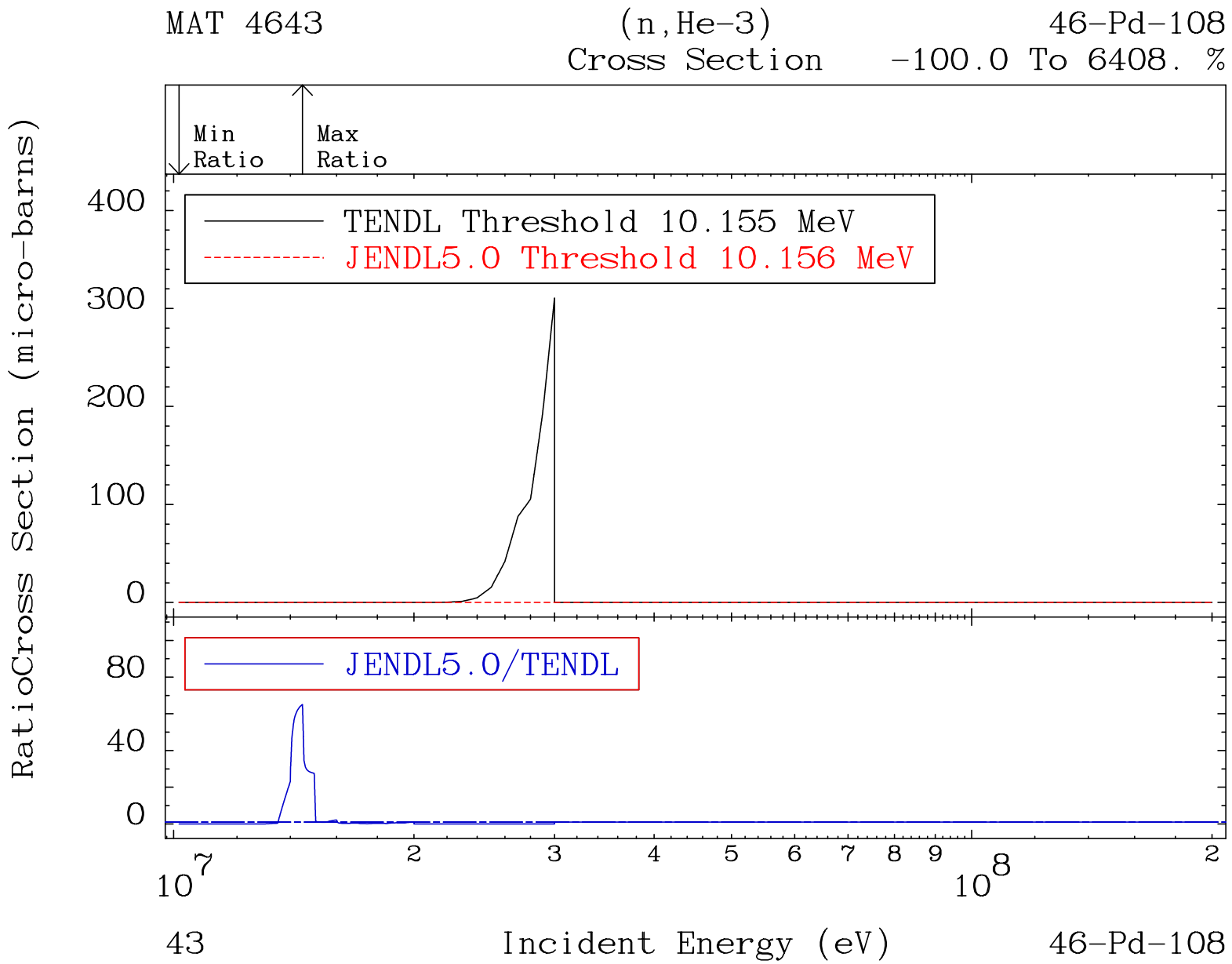

MAT 4643
(n,n') Continuum
Cross Section
46-Pd-108
-100.0 To 588.7 %
Max Ratio
Min Ratio
TENDL Threshold 2.4406 MeV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
38
46-Pd-108

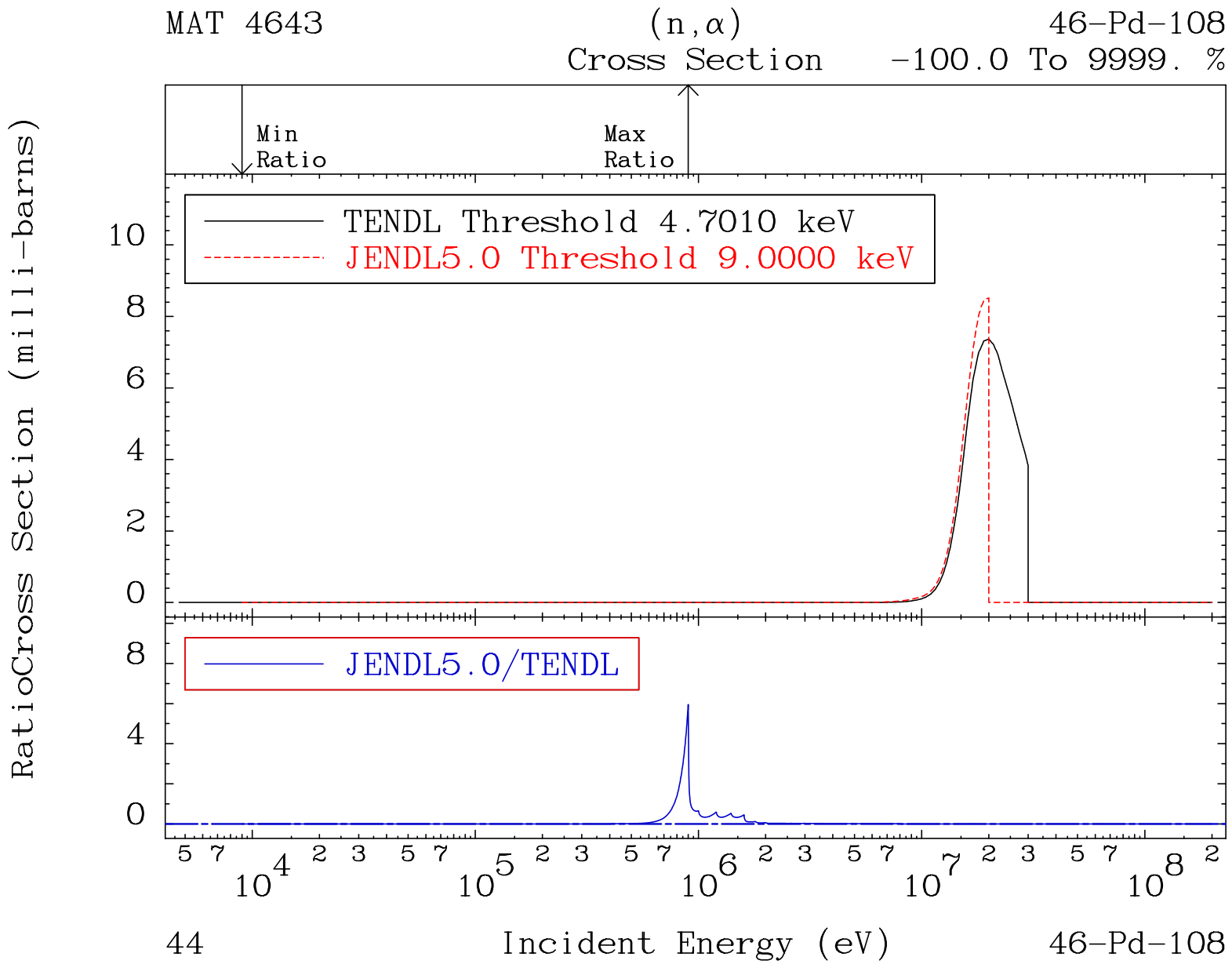

MAT 4643
(n,γ)
Cross Section
46-Pd-108
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
39
46-Pd-108

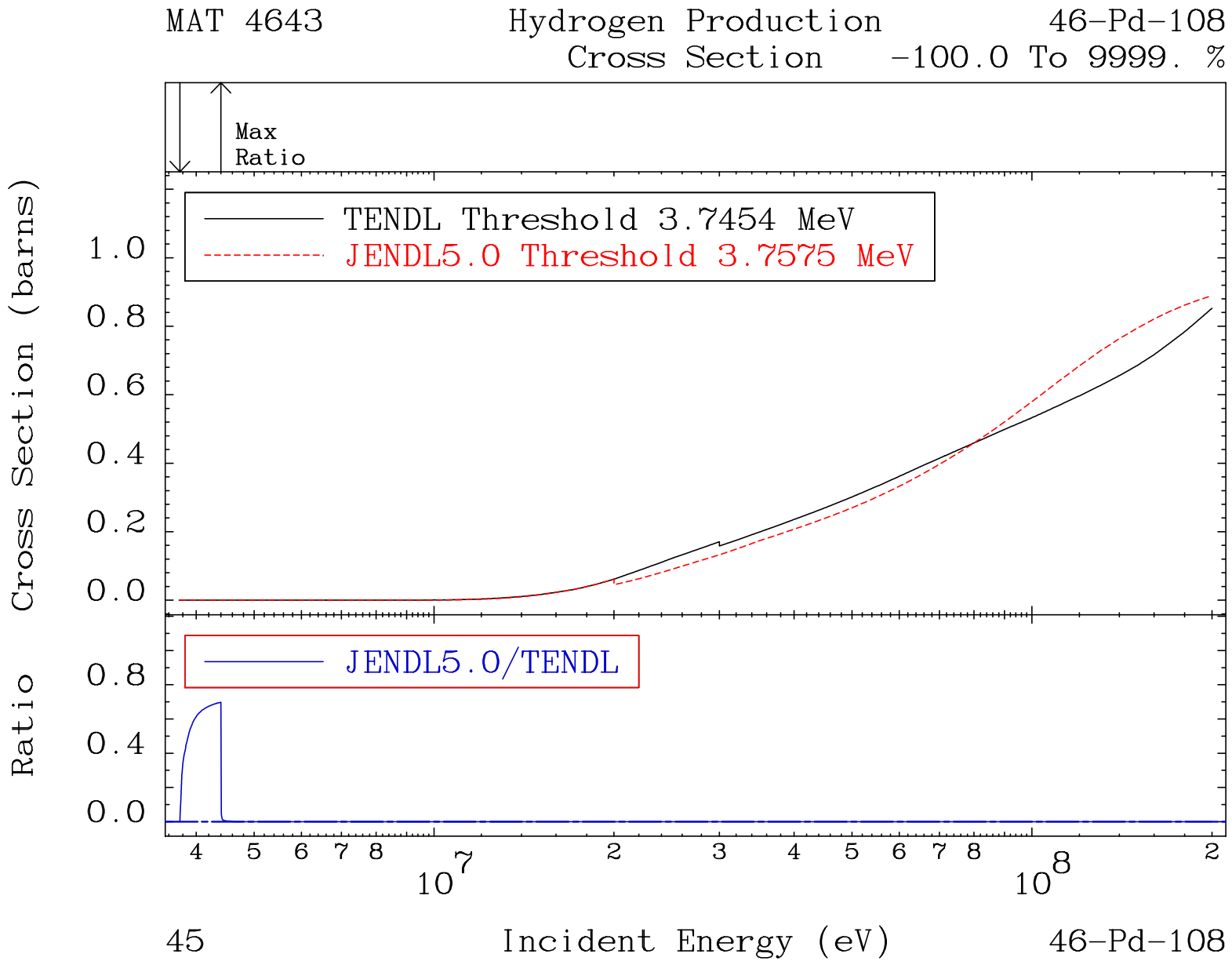

MAT 4643
(n,p)
46-Pd-108
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 3.7454 MeV
JENDL5.0 Threshold 3.7575 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
0.8
0.4
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
40
Incident Energy (eV)
46-Pd-108

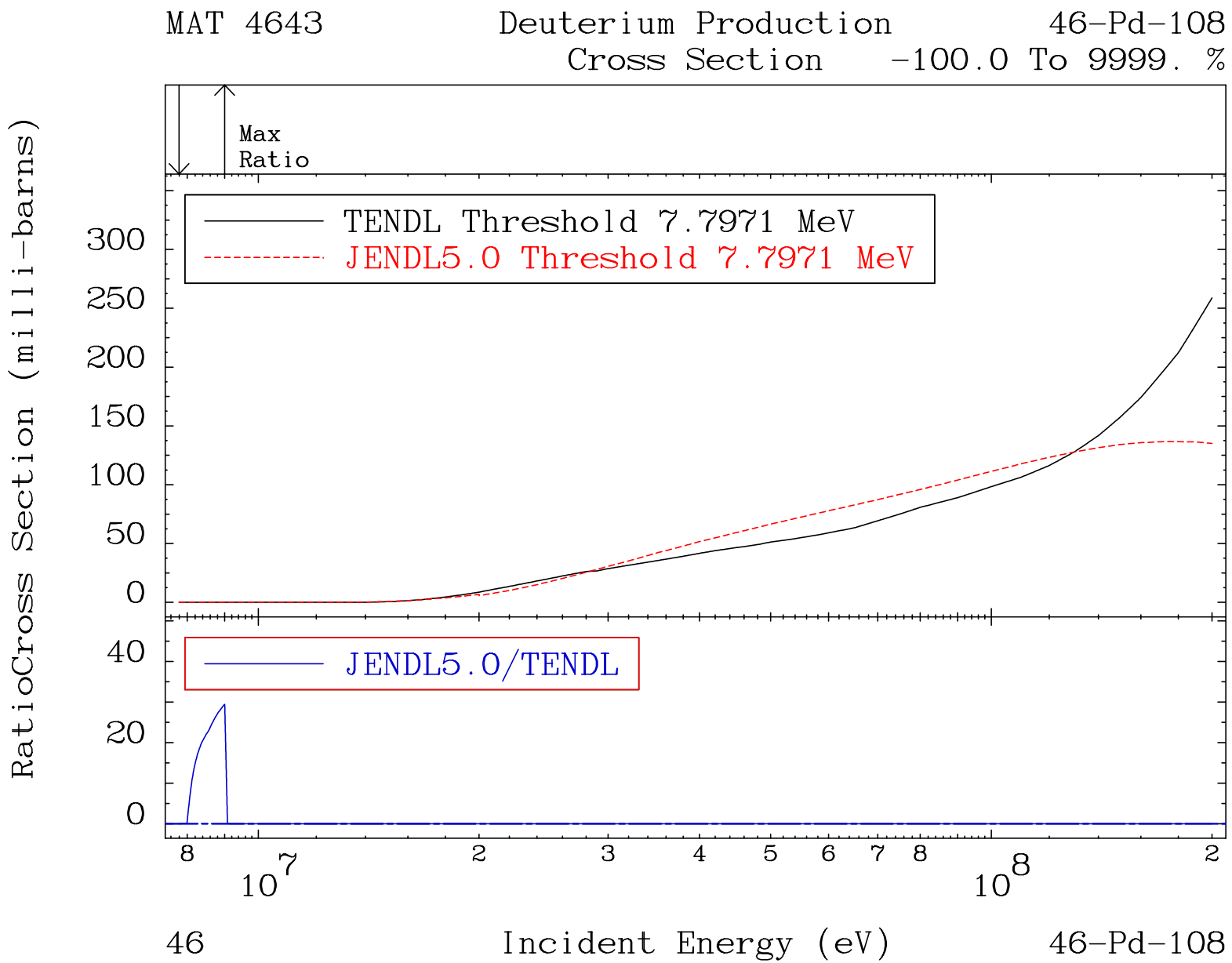

MAT 4643
(n,d)
Cross Section
46-Pd-108
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 7.7971 MeV
JENDL5.0 Threshold 7.7971 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
40
20
0
8
10^7
2
3
4
5
6
7
8
10^8
2
41
Incident Energy (eV)
46-Pd-108

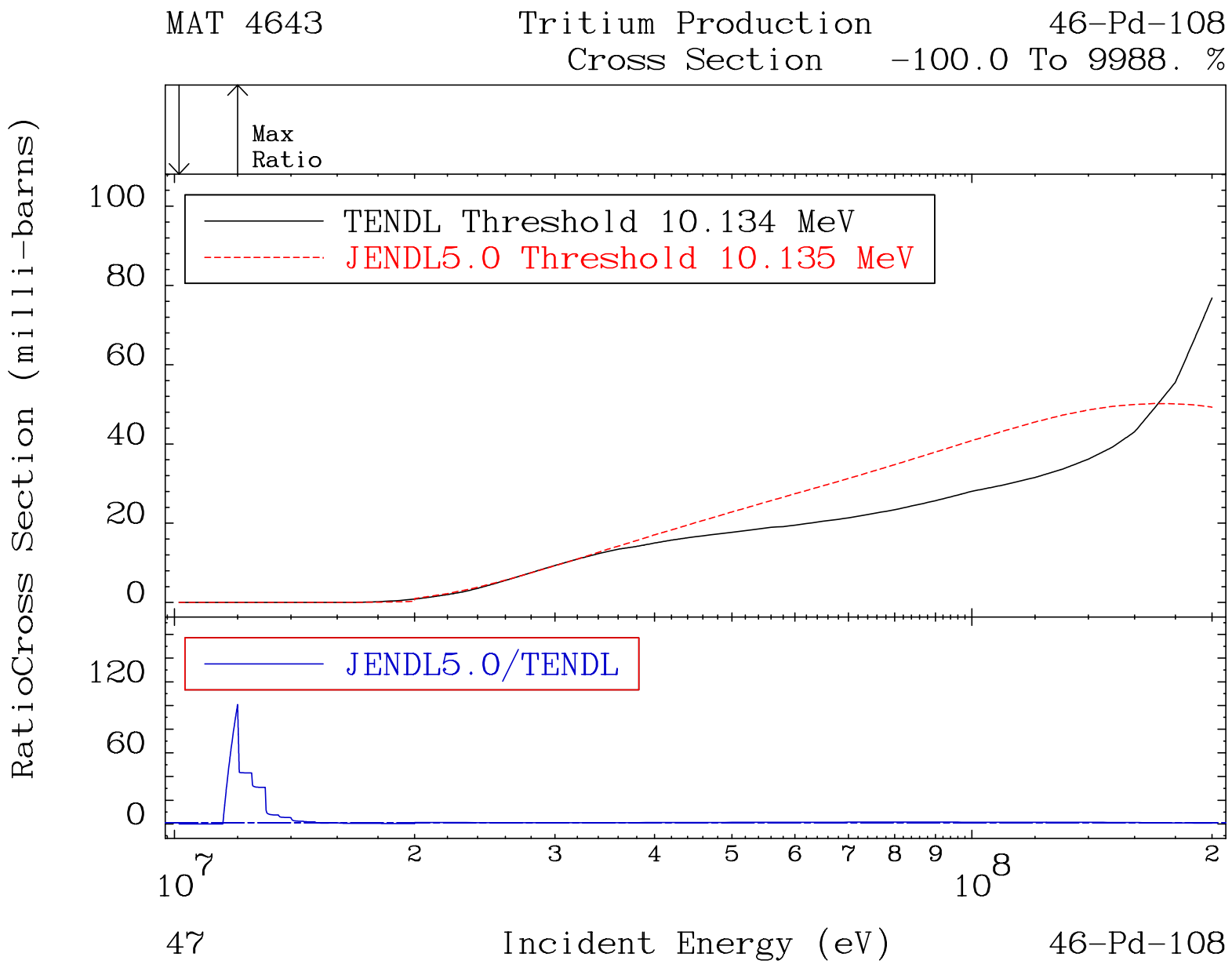

MAT 4643
(n,t)
Cross Section
46-Pd-108
-100.0 To 9988. %
Max
Ratio
TENDL Threshold 10.134 MeV
JENDL5.0 Threshold 10.135 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
42
46-Pd-108

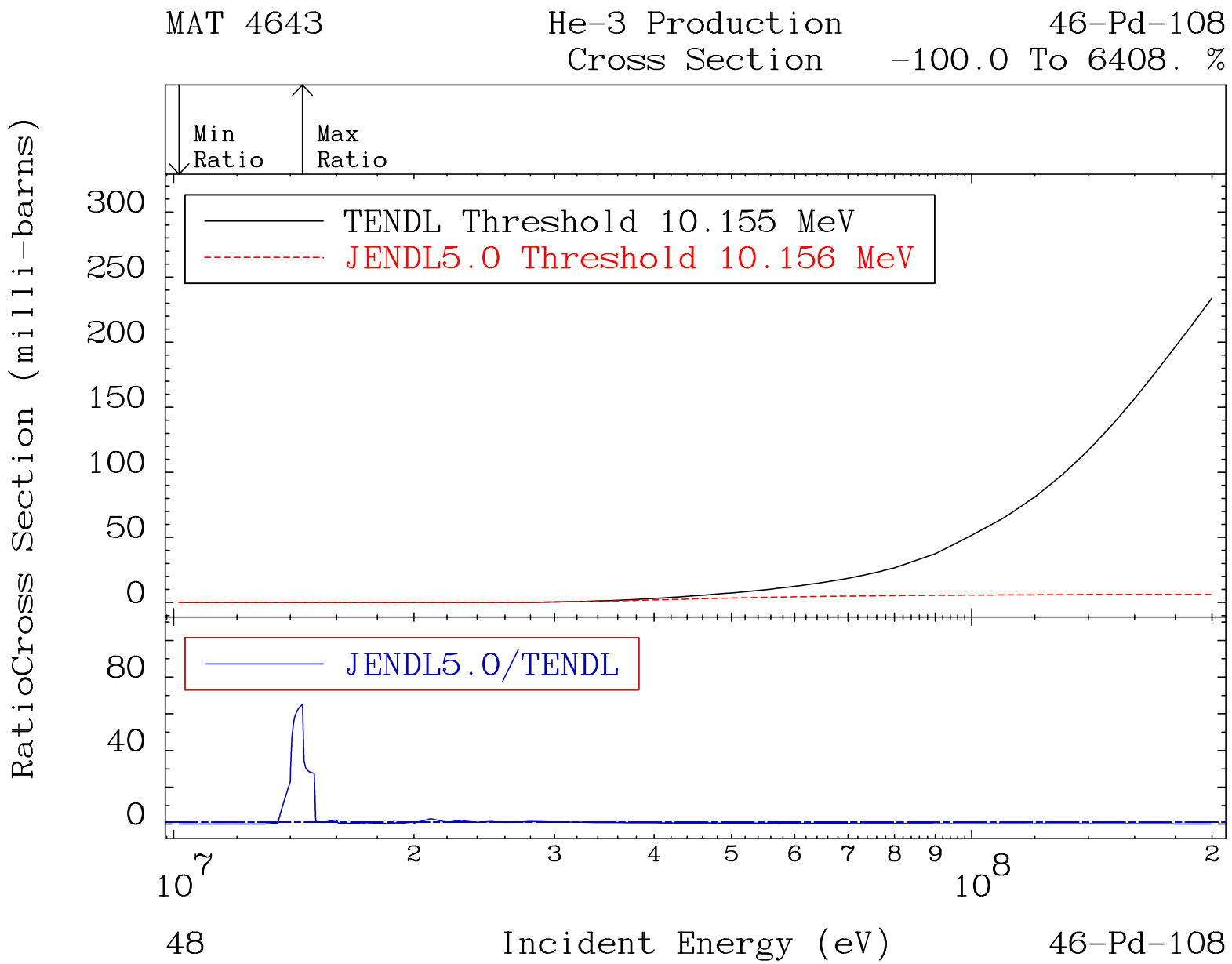

MAT 4643
(n,He-3)
Cross Section
46-Pd-108
-100.0 To 6408. %
Min Ratio
Max Ratio
TENDL Threshold 10.155 MeV
JENDL5.0 Threshold 10.156 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
400
300
200
100
0
80
40
0
10^7
2
3
4
5
6
7
8
9
10^8
2
43
Incident Energy (eV)
46-Pd-108

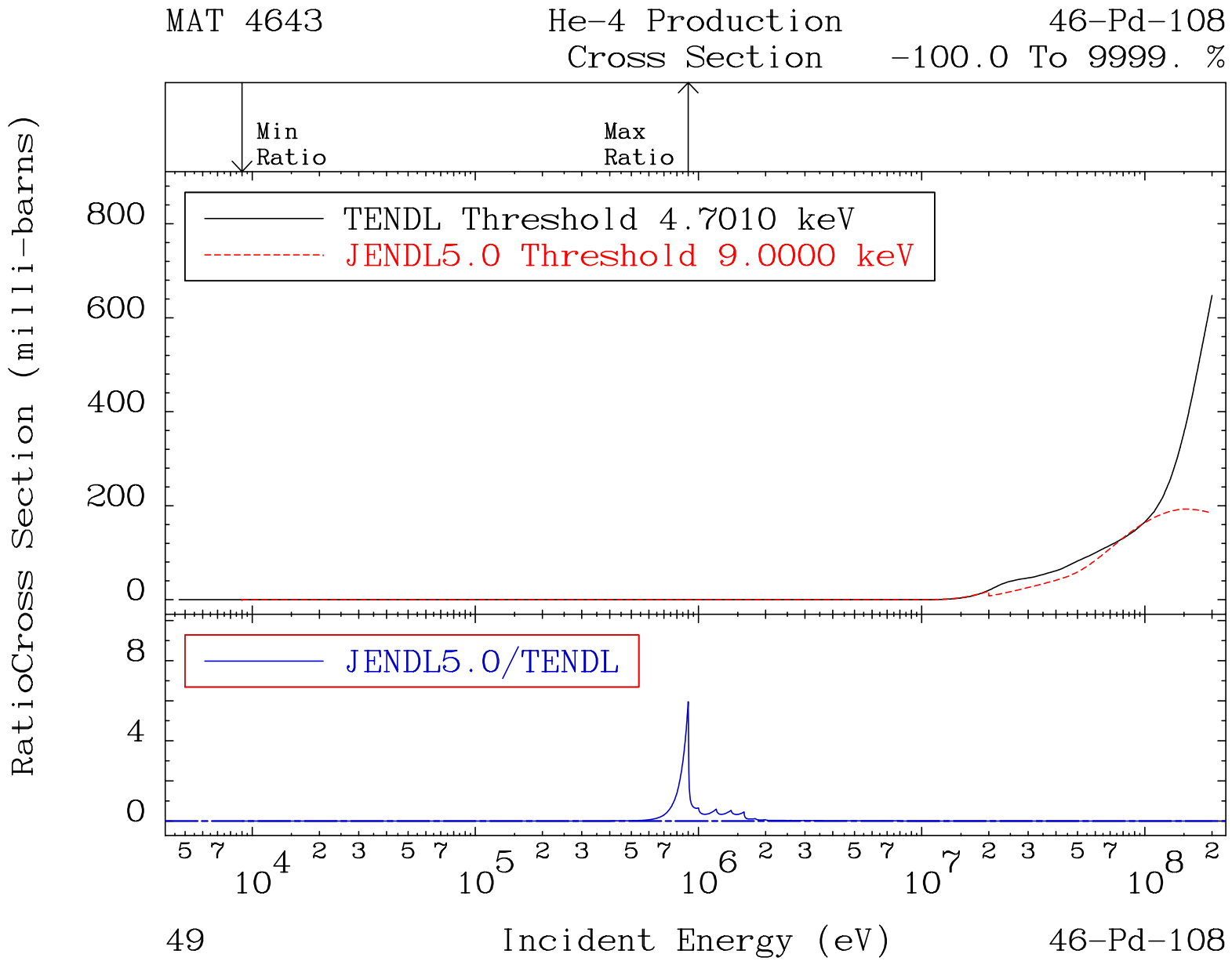

MAT 4643
(n,α)
46-Pd-108
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.7010 keV
JENDL5.0 Threshold 9.0000 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
44
46-Pd-108

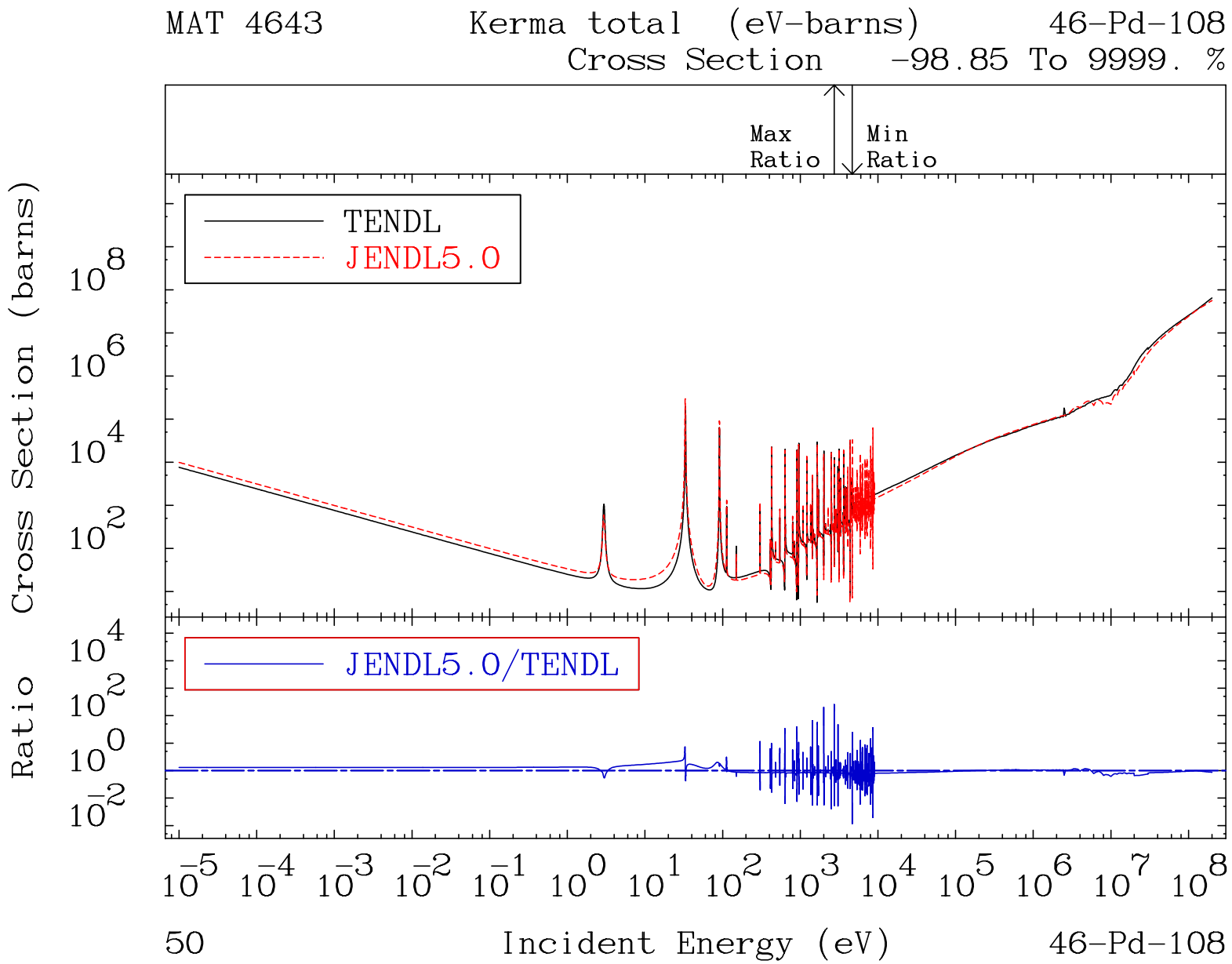

MAT 4643
Hydrogen Production
46-Pd-108
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 3.7454 MeV
JENDL5.0 Threshold 3.7575 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
45
46-Pd-108

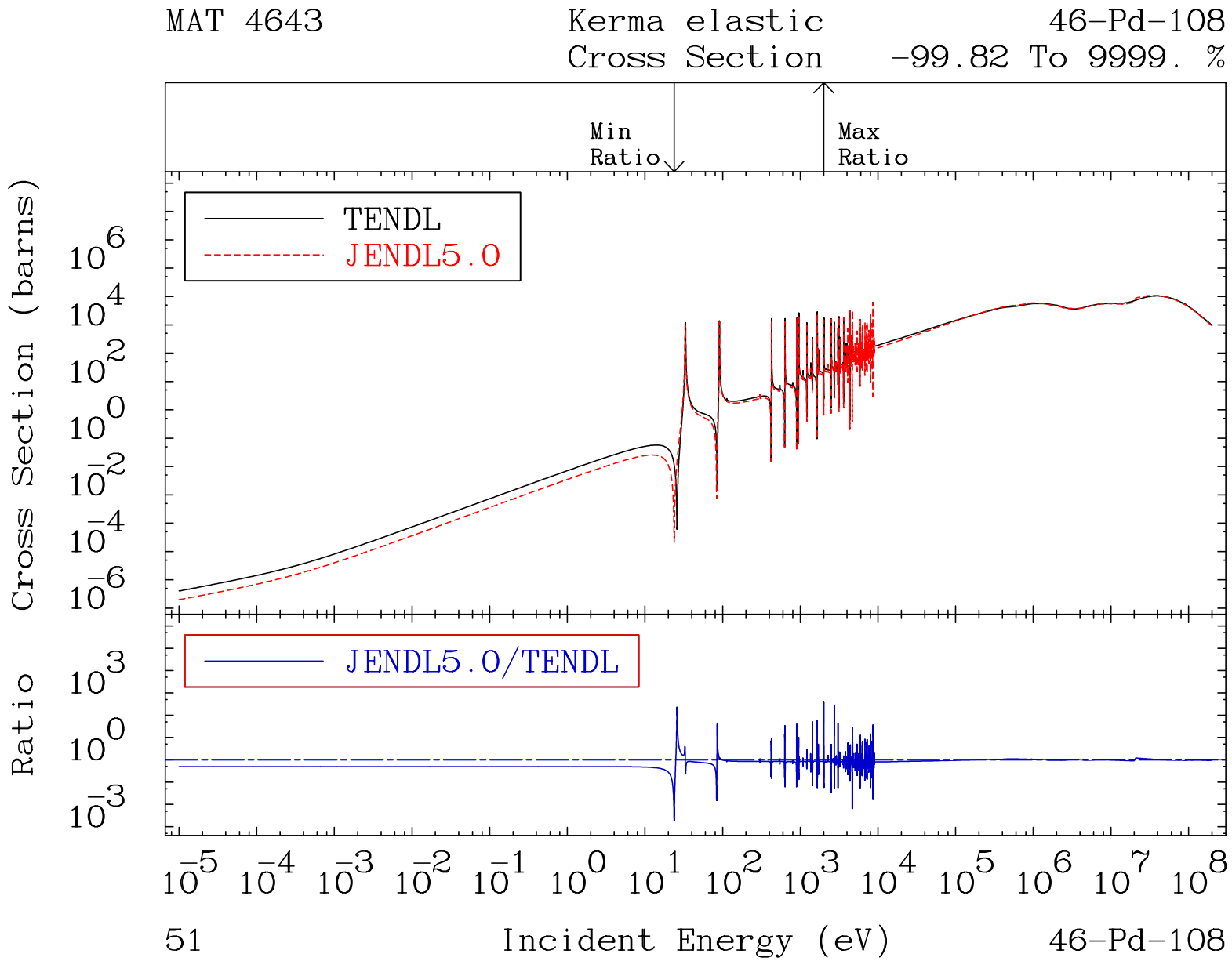

MAT 4643
Deuterium Production
46-Pd-108
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 7.7971 MeV
JENDL5.0 Threshold 7.7971 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
40
20
0
8
2
3
4
5
6
7
8
2
10^7
10^8
46
Incident Energy (eV)
46-Pd-108

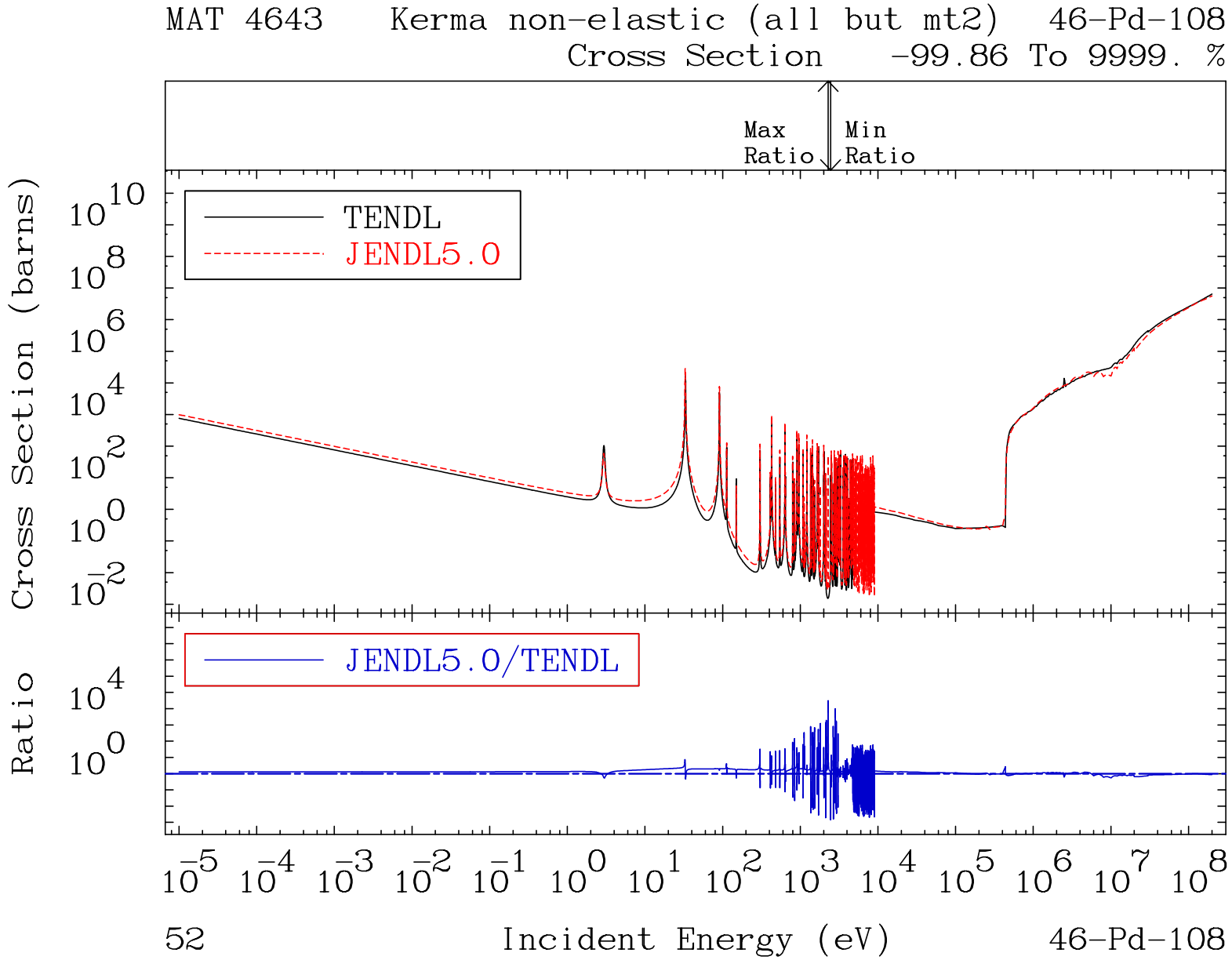

MAT 4643
Tritium Production
46-Pd-108
Cross Section
-100.0 To 9988. %
Max
Ratio
TENDL Threshold 10.134 MeV
JENDL5.0 Threshold 10.135 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
120
60
0
10^7
2
3
4
5
6
7
8
9
10^8
2
47
Incident Energy (eV)
46-Pd-108

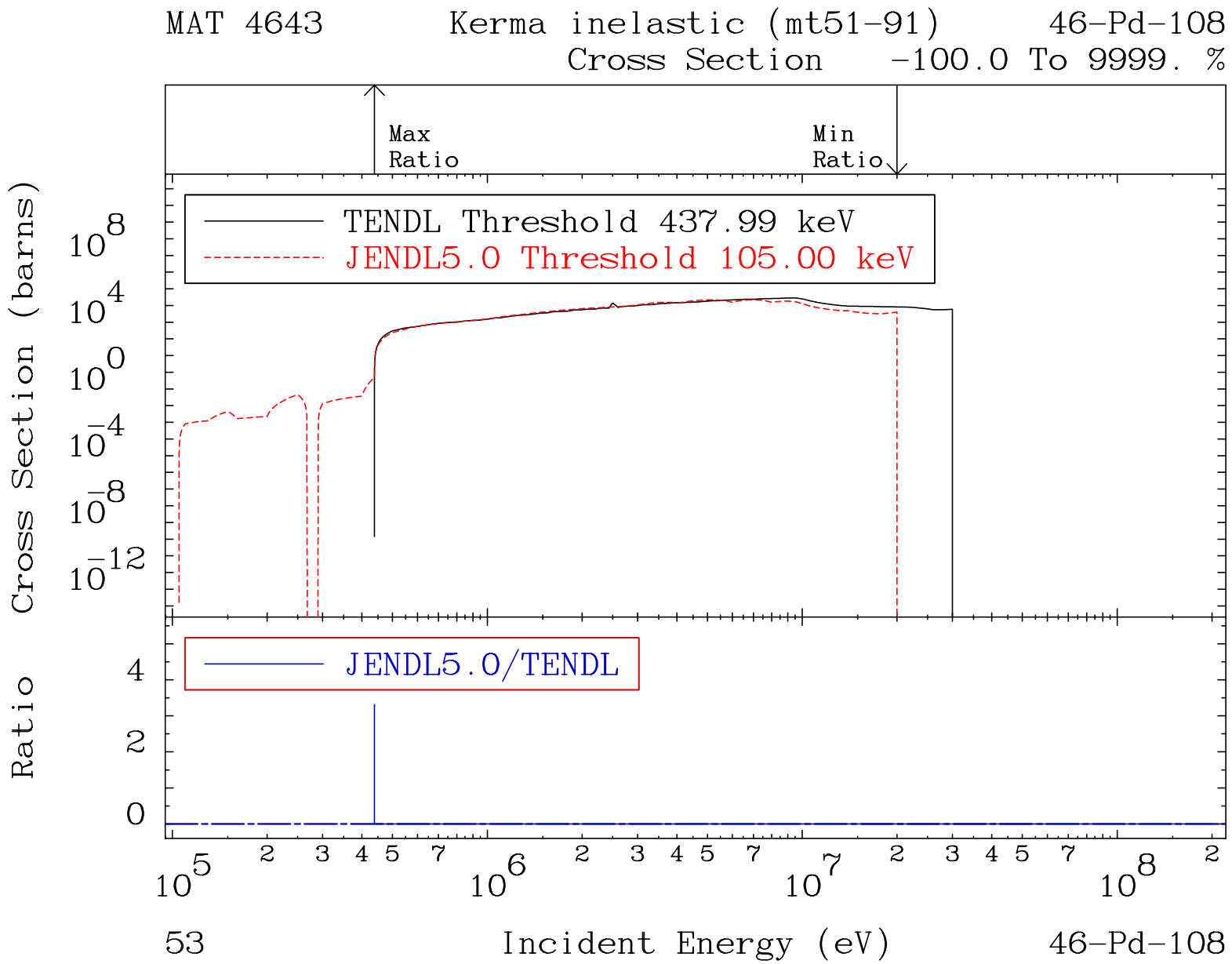

MAT 4643
He-3 Production
Cross Section
46-Pd-108
-100.0 To 6408. %
Min Ratio
Max Ratio
TENDL Threshold 10.155 MeV
JENDL5.0 Threshold 10.156 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
80
40
0
10^7
2
3
4
5
6
7
8
9
10^8
2
48
Incident Energy (eV)
46-Pd-108

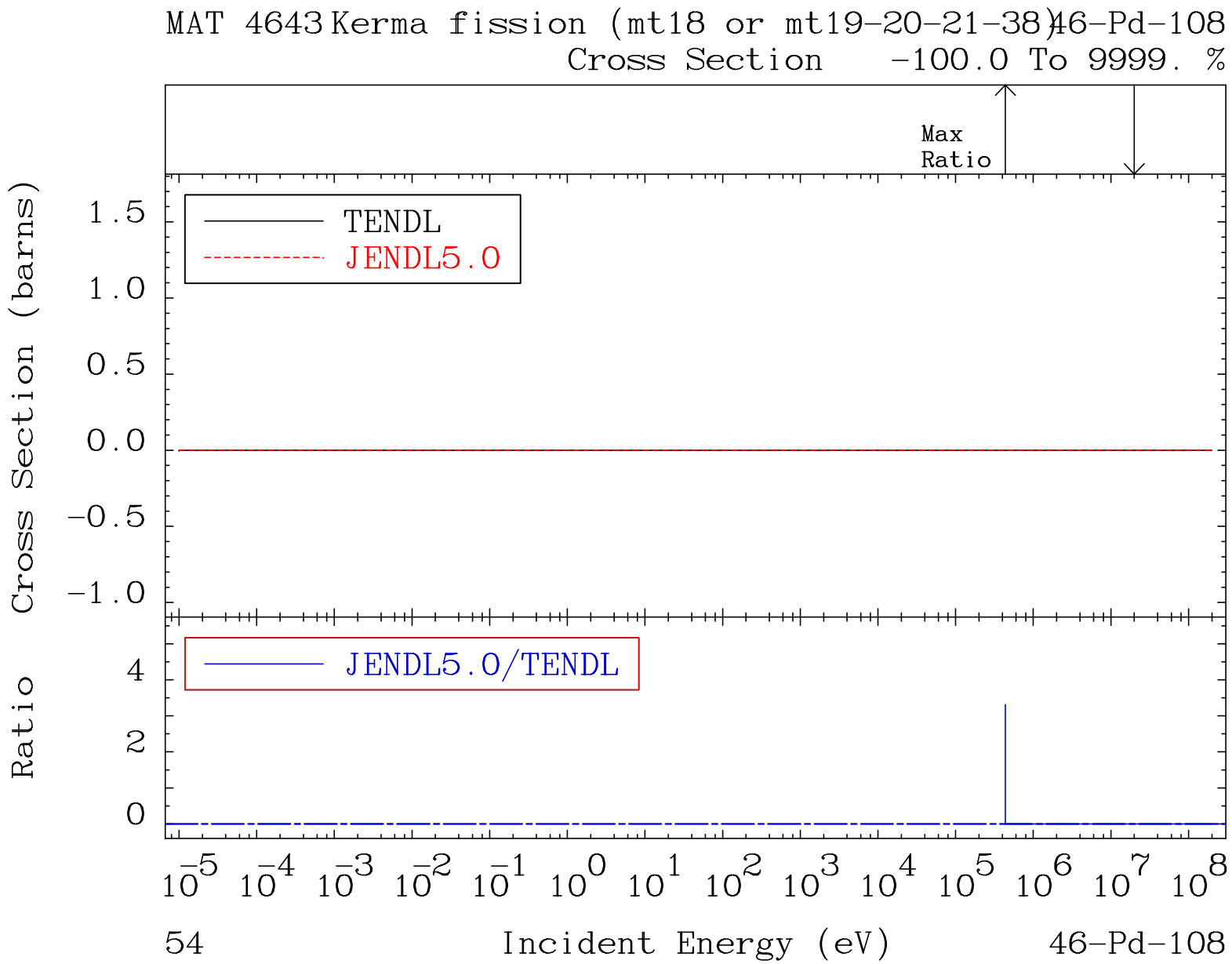

MAT 4643
He-4 Production
Cross Section
46-Pd-108
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.7010 keV
JENDL5.0 Threshold 9.0000 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
8
4
0
5 7 10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
49
Incident Energy (eV)
46-Pd-108

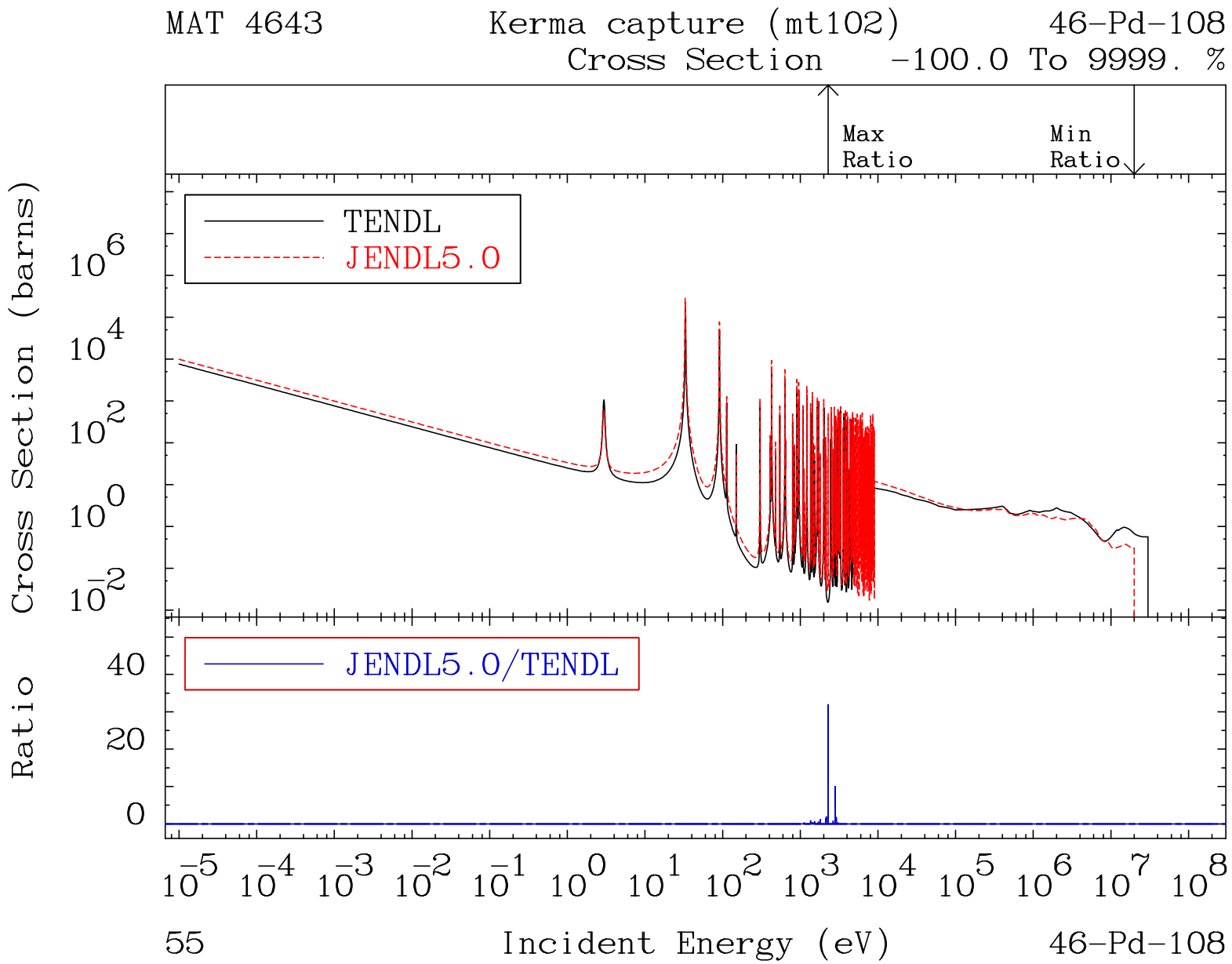

MAT 4643
Kerma total (eV-barns)
46-Pd-108
Cross Section -98.85 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
50
46-Pd-108

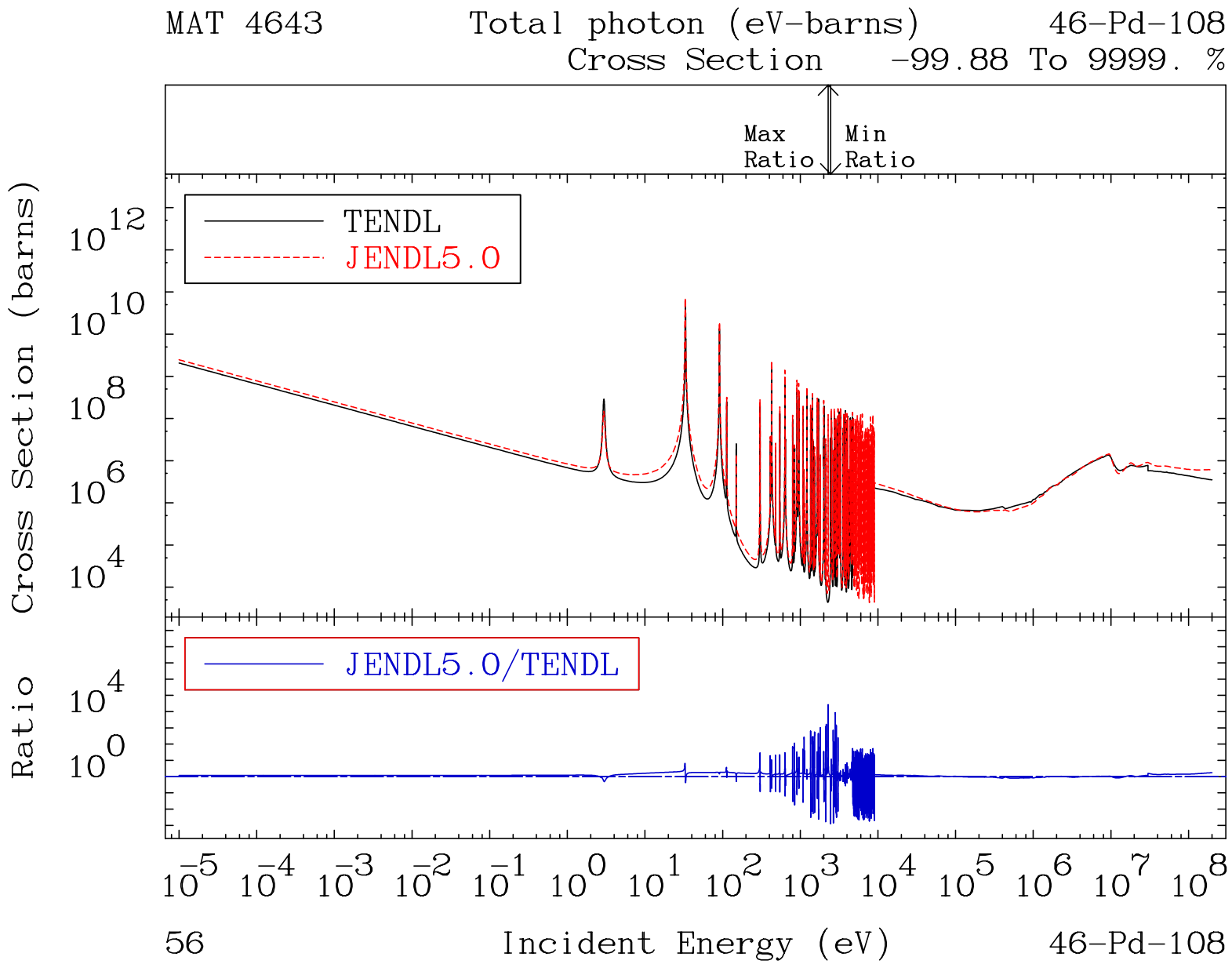

MAT 4643
Kerma elastic
Cross Section
46-Pd-108
-99.82 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
46-Pd-108

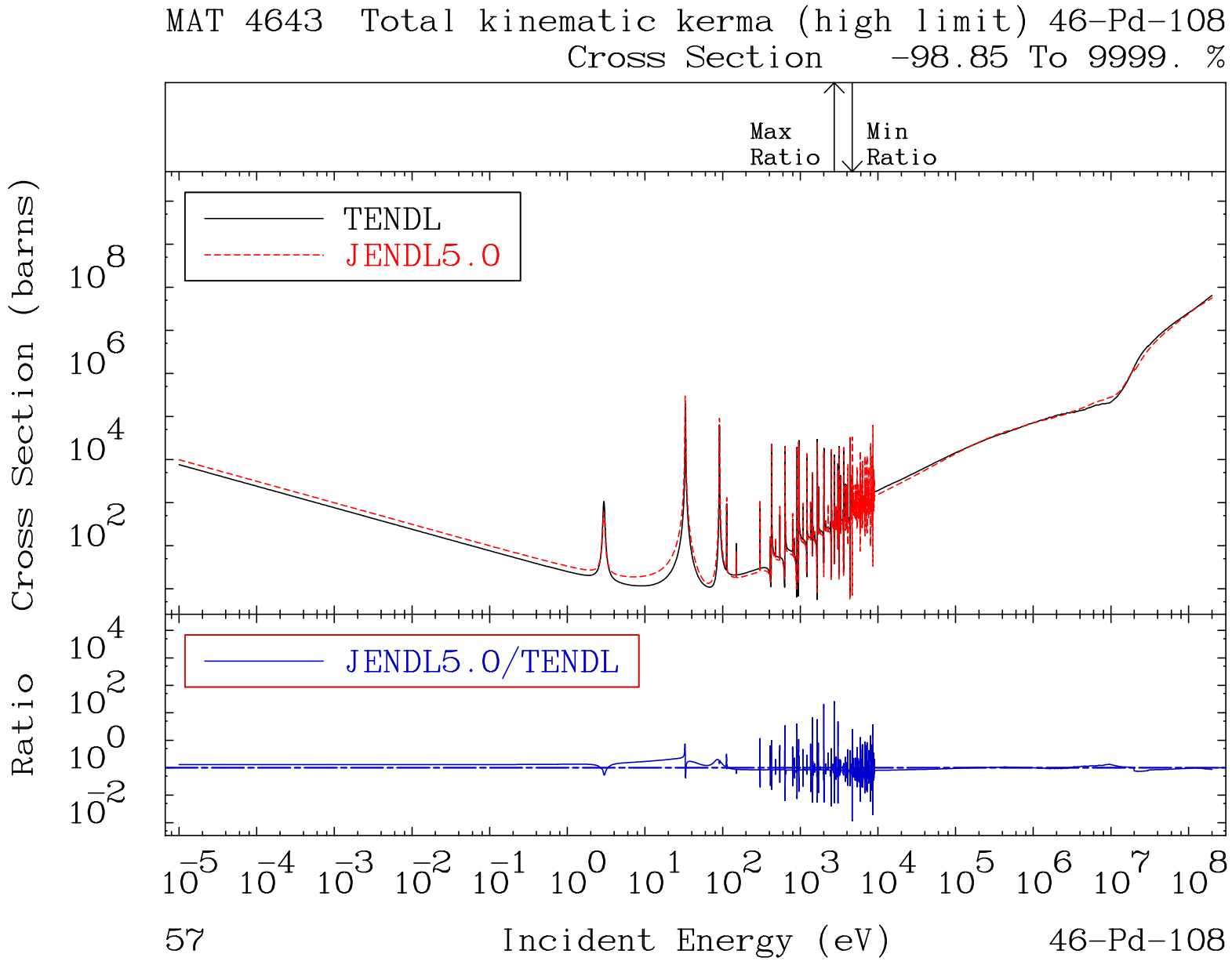

MAT 4643 Kerma non-elastic (all but mt2) 46-Pd-108
Cross Section -99.86 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
52
46-Pd-108

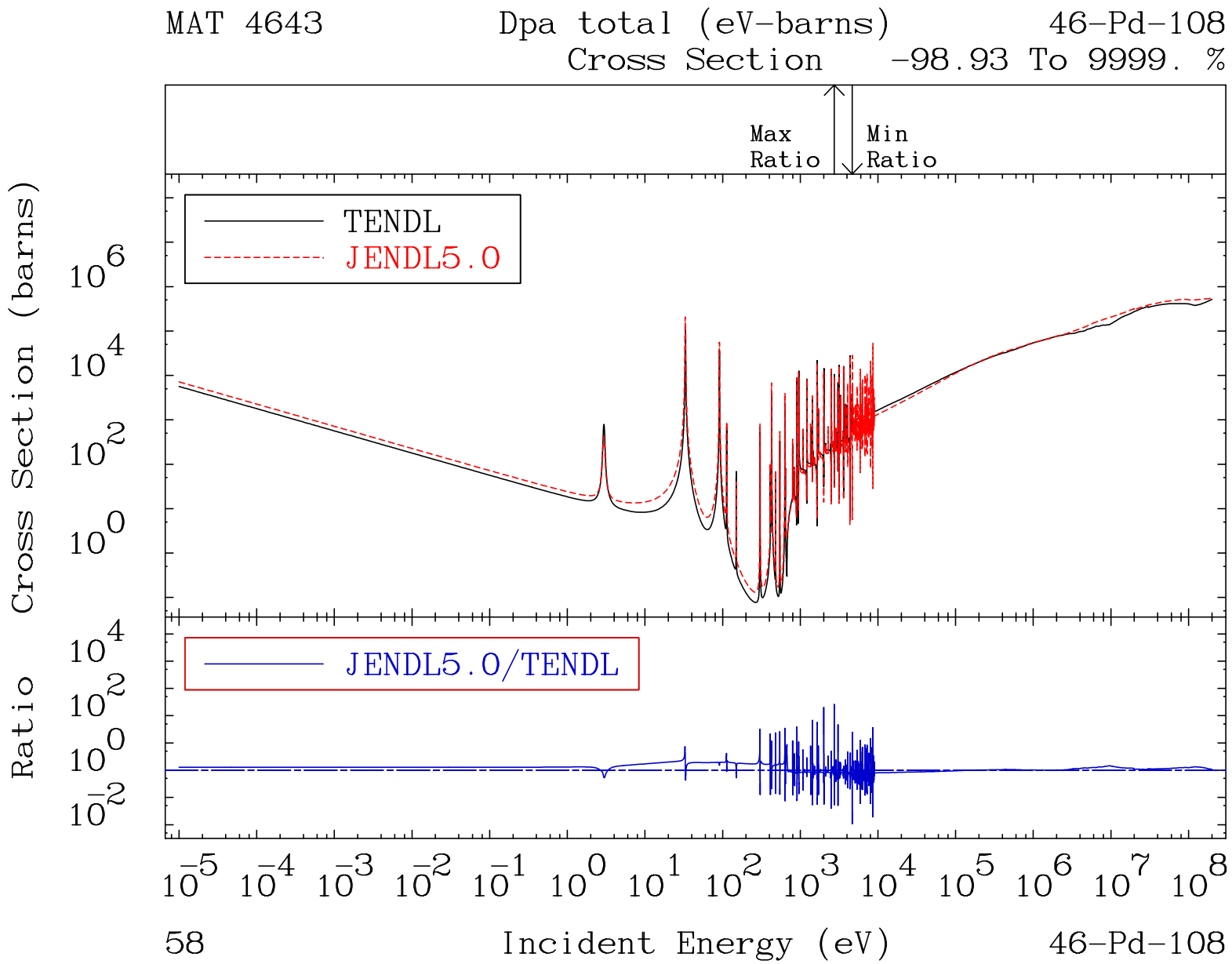

MAT 4643
Kerma inelastic (mt51-91)
46-Pd-108
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 437.99 keV
JENDL5.0 Threshold 105.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
53
46-Pd-108

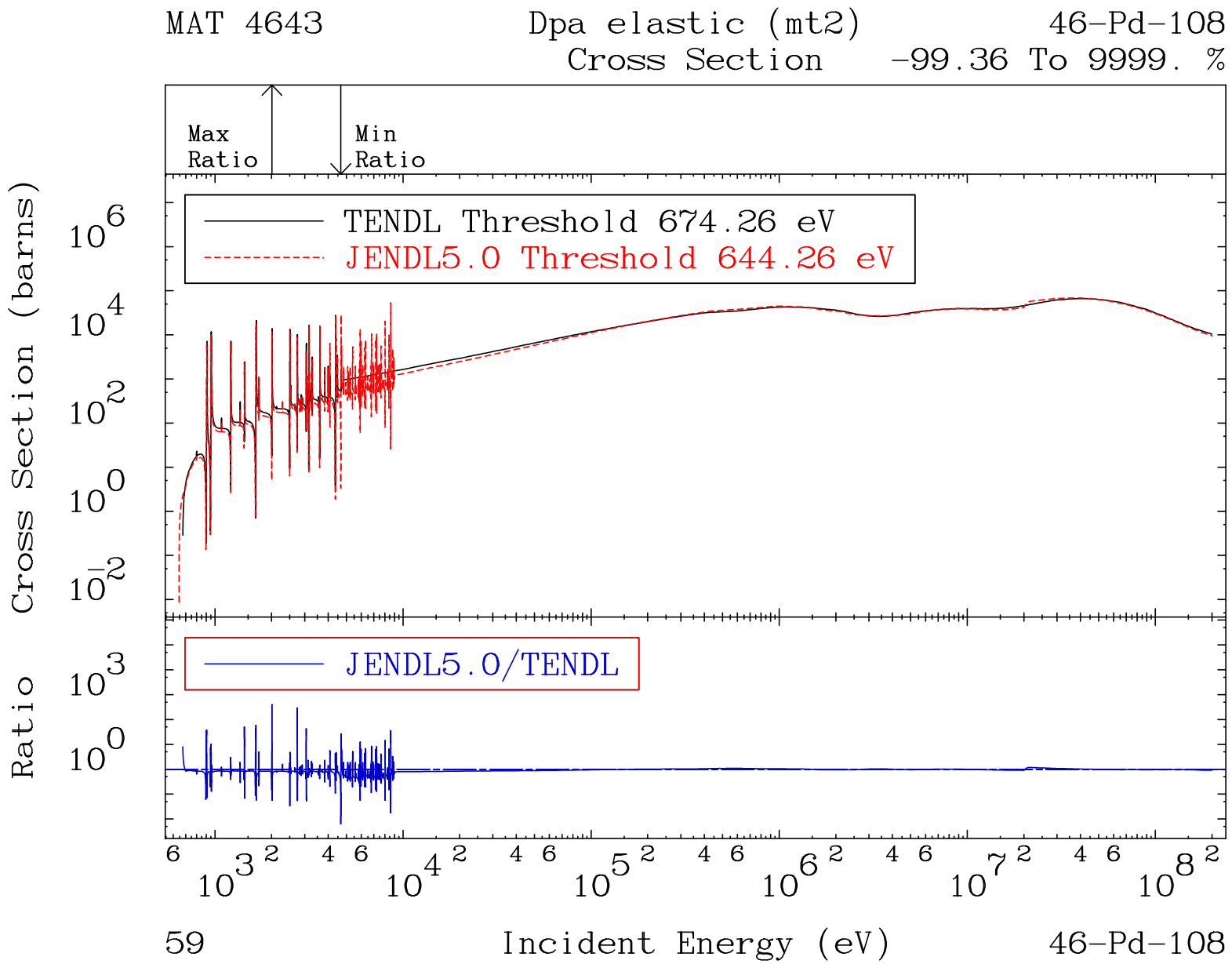

MAT 4643 Kerma fission (mt18 or mt19-20-21-38) 46-Pd-108
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
4
2
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
54
Incident Energy (eV)
46-Pd-108

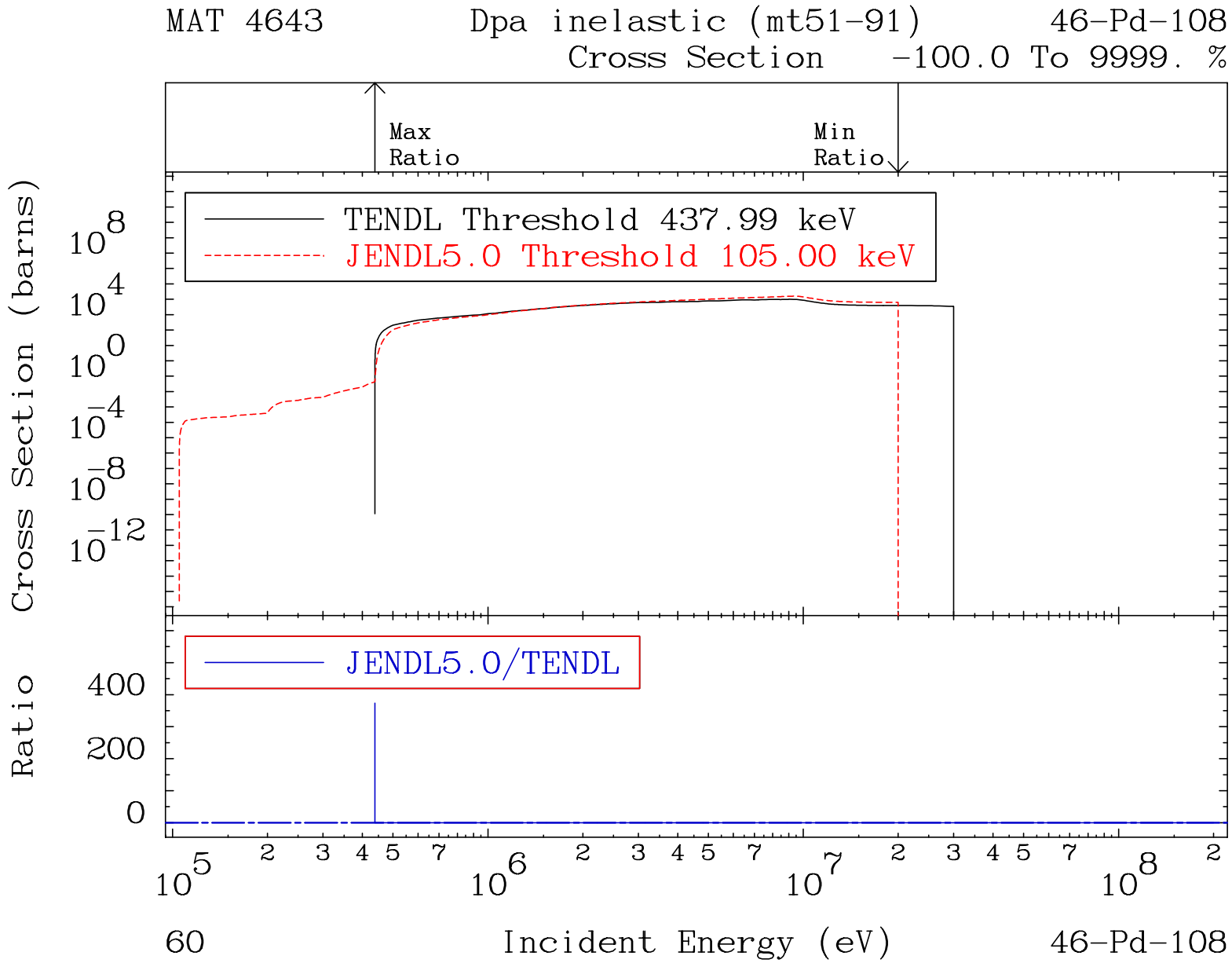

MAT 4643
Kerma capture (mt102)
46-Pd-108
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
55
46-Pd-108

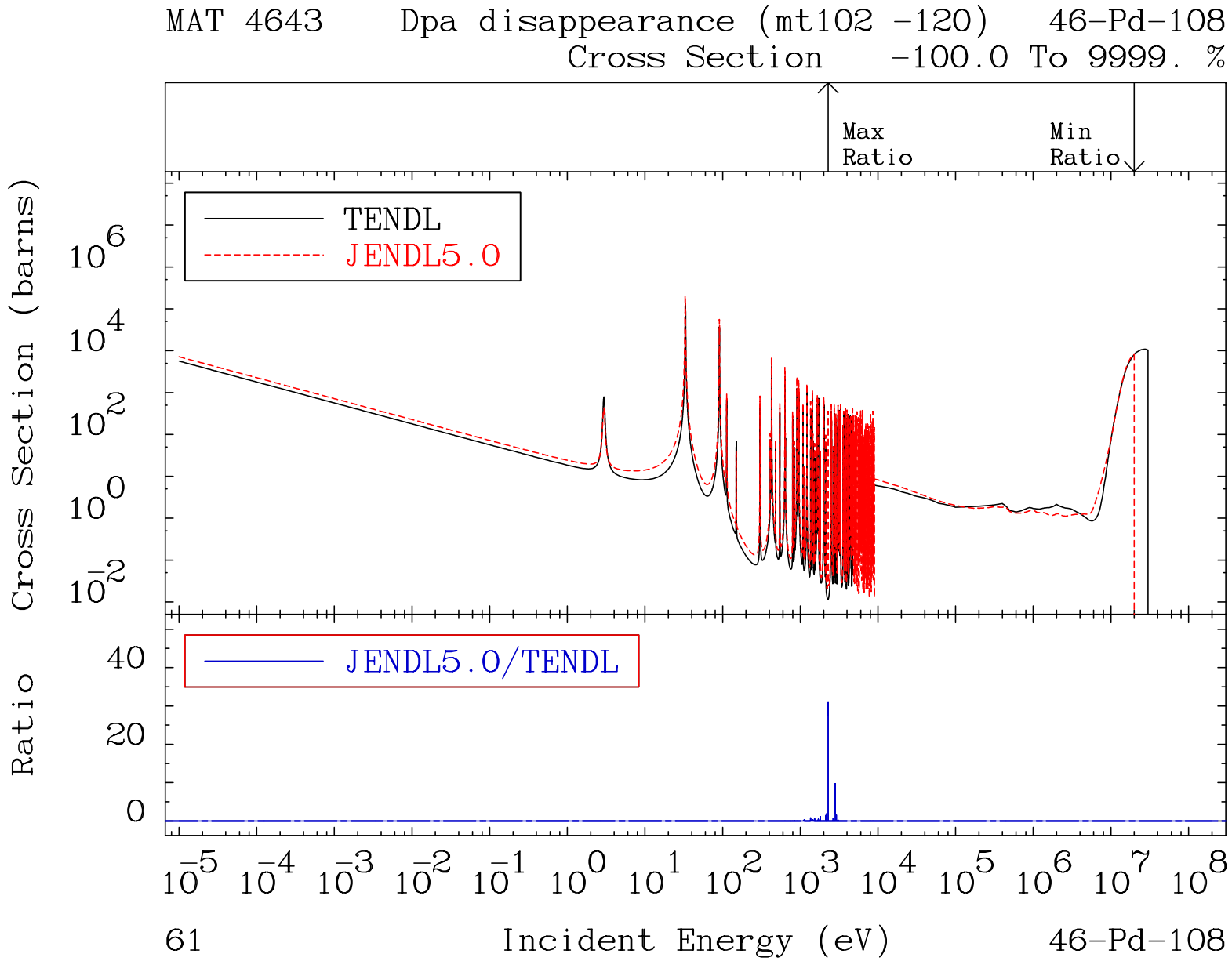

MAT 4643
Total photon (eV-barns)
46-Pd-108
Cross Section
-99.88 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
56
46-Pd-108

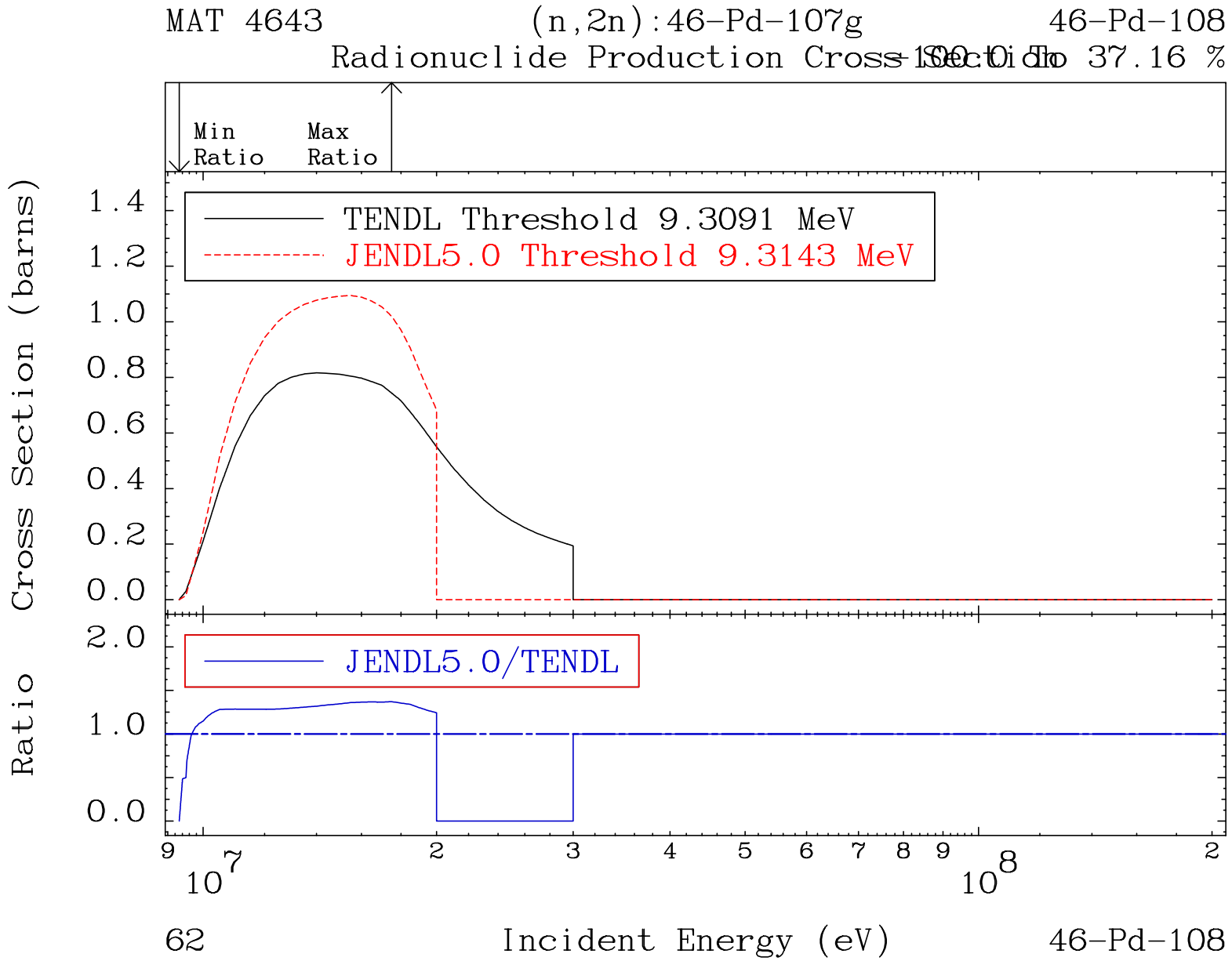

MAT 4643 Total kinematic kerma (high limit) 46-Pd-108
Cross Section -98.85 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
57
46-Pd-108

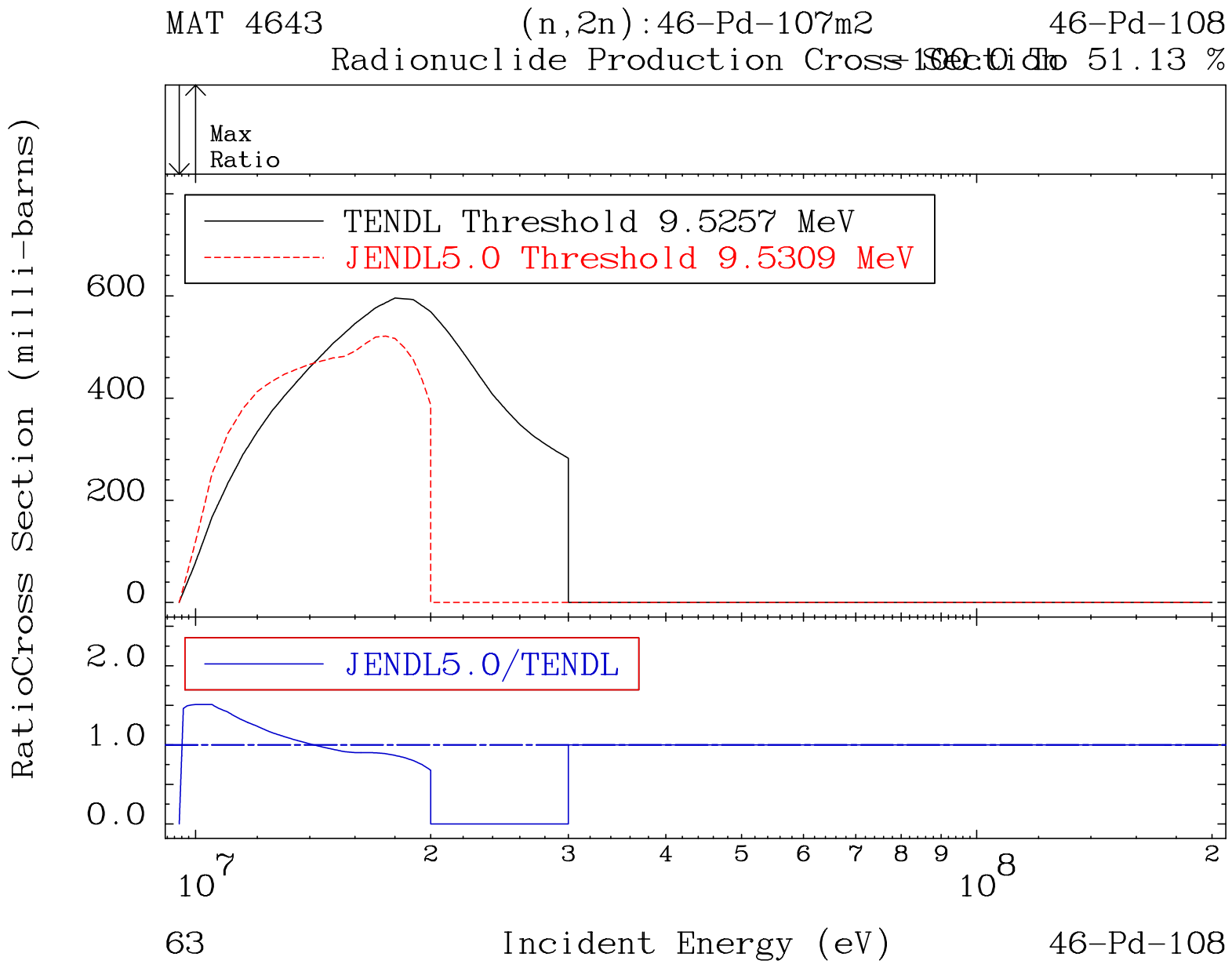

MAT 4643
Dpa total (eV-barns)
46-Pd-108
Cross Section
-98.93 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
46-Pd-108

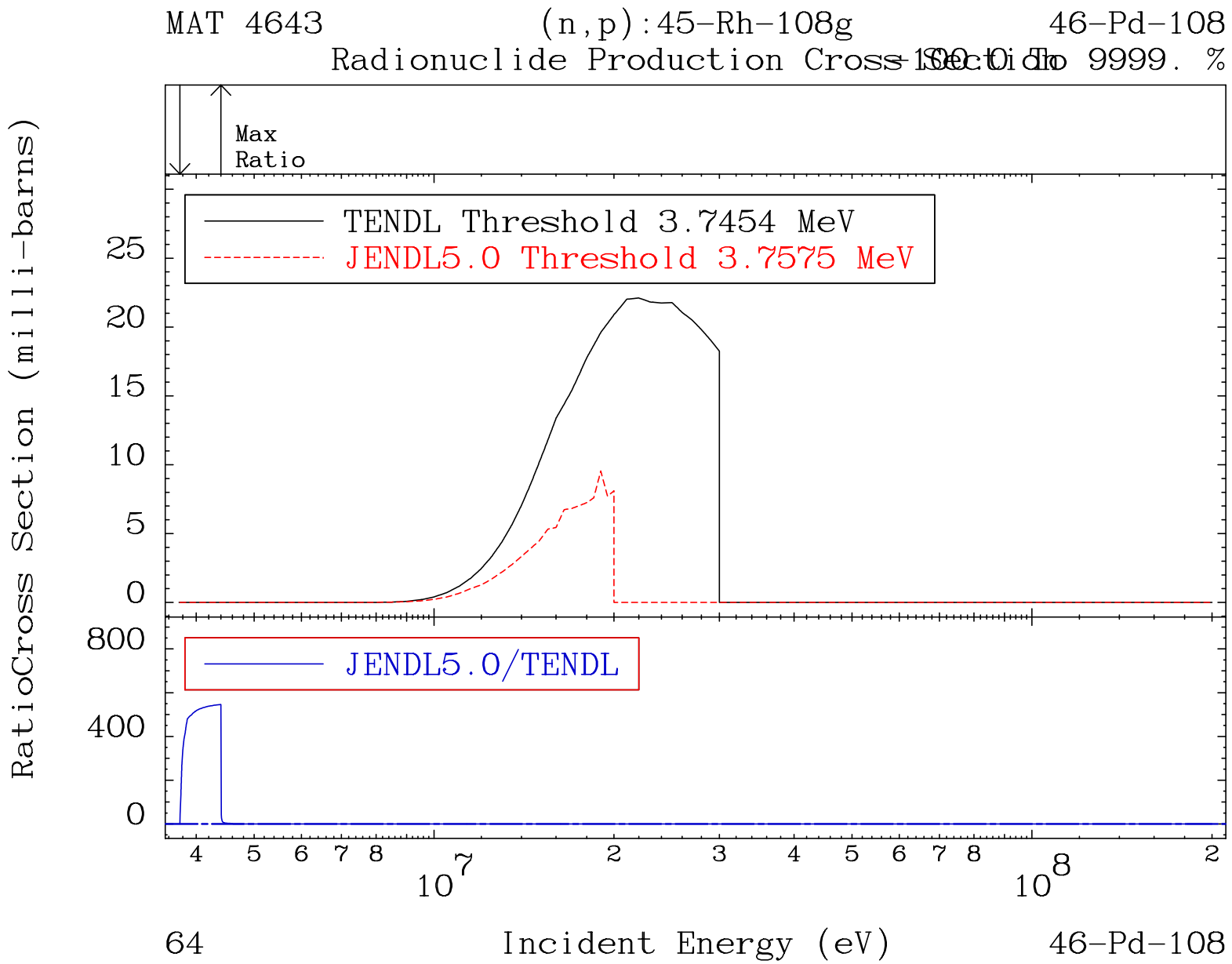

MAT 4643
Dpa elastic (mt2)
Cross Section
46-Pd-108
-99.36 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 674.26 eV
JENDL5.0 Threshold 644.26 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
46-Pd-108

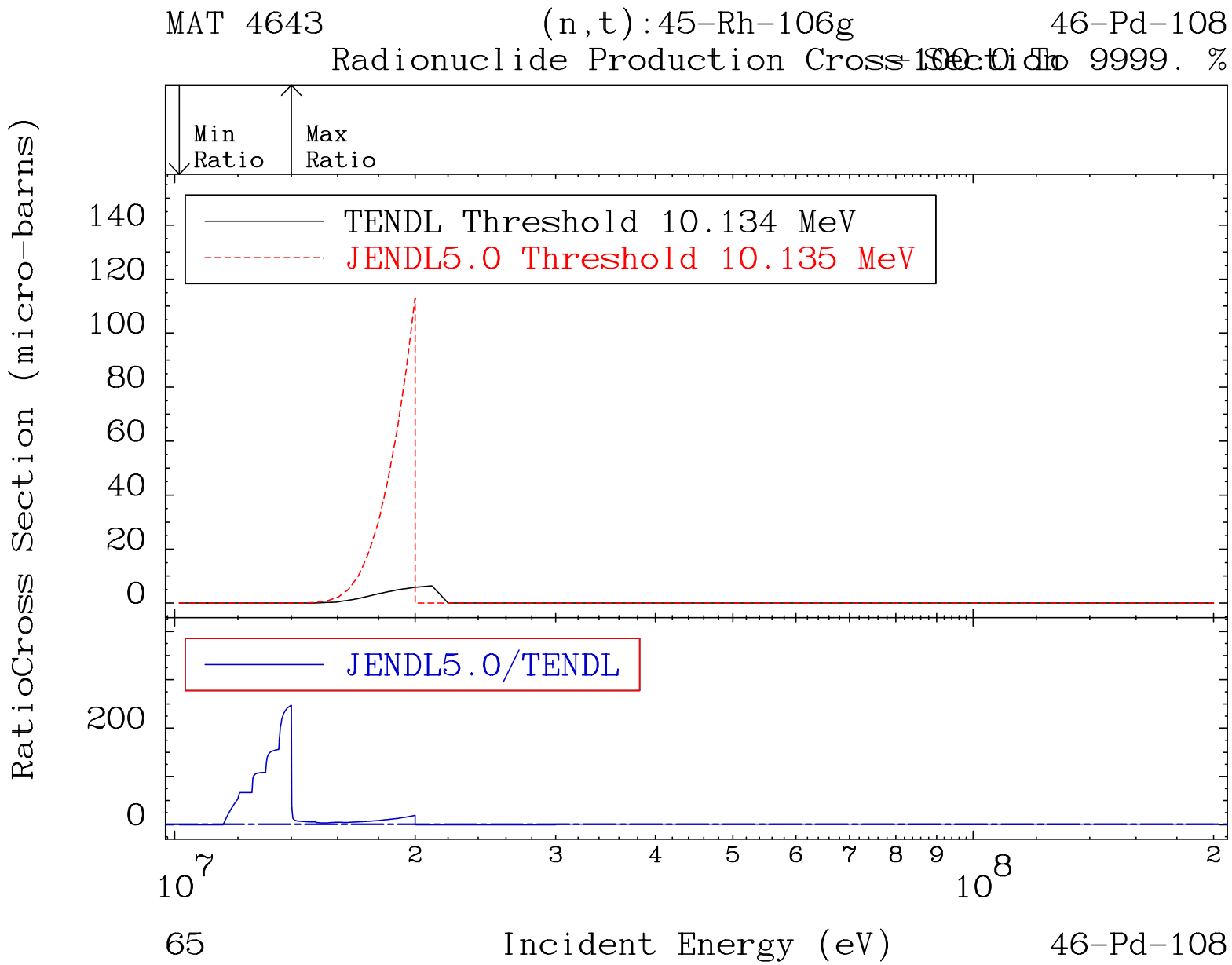

MAT 4643
Dpa inelastic (mt51-91)
46-Pd-108
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 437.99 keV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
46-Pd-108

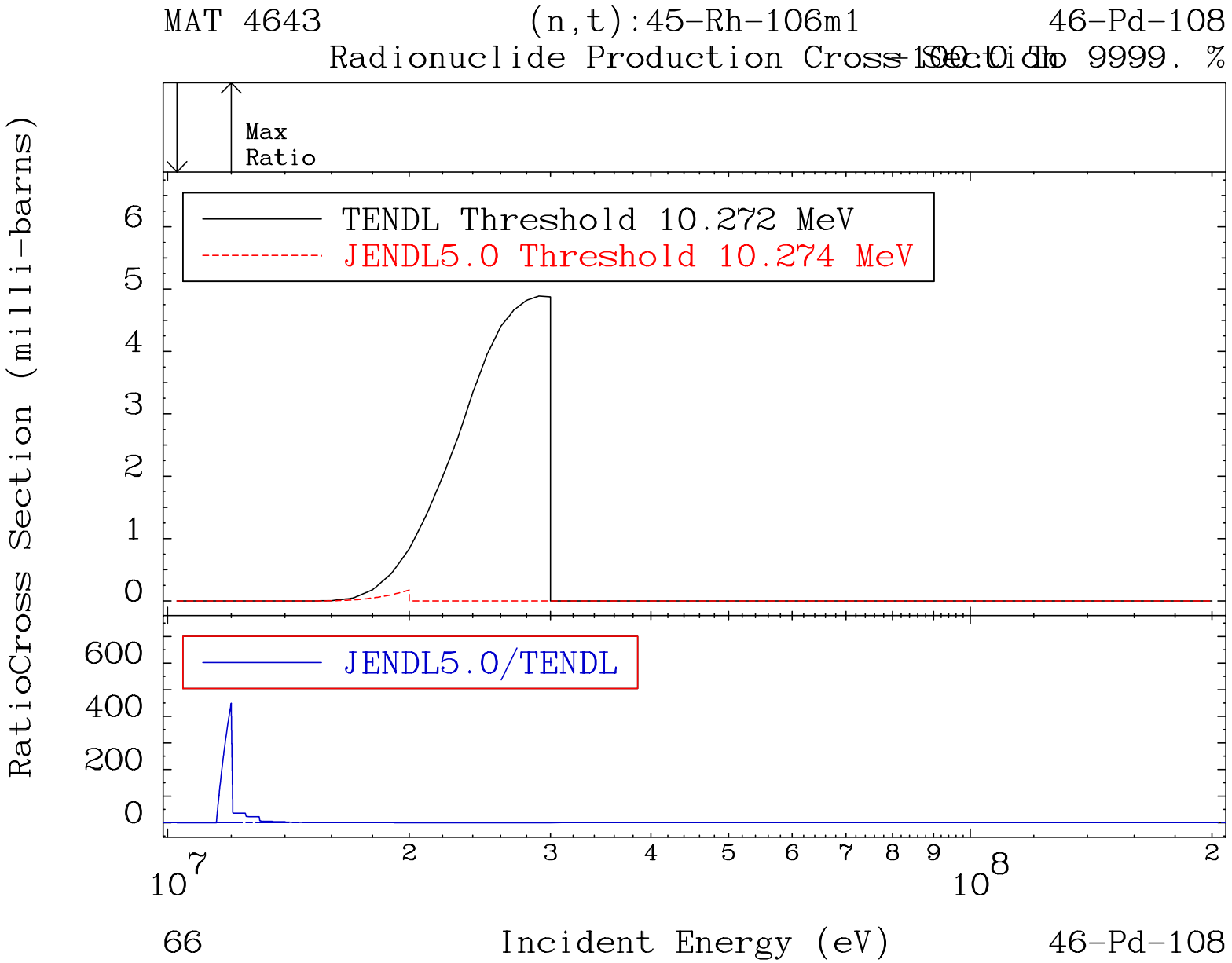

MAT 4643 Dpa disappearance (mt102 -120) 46-Pd-108
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
61
46-Pd-108


MAT 4643
(n,2n):46-Pd-107g
46-Pd-108
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 9.3091 MeV
JENDL5.0 Threshold 9.3143 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
46-Pd-108


MAT 4643
(n,2n):46-Pd-107m2
46-Pd-108
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 9.5257 MeV
JENDL5.0 Threshold 9.5309 MeV
600
400
200
0
2.0
1.0
0.0
JENDL5.0/TENDL
RatioCross Section (milli-barns)
10^7
2
3
4
5
6
7
8
9
10^8
2
63
Incident Energy (eV)
46-Pd-108


MAT 4643
(n,p):45-Rh-108g
46-Pd-108
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 3.7454 MeV
JENDL5.0 Threshold 3.7575 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
800
400
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
64
Incident Energy (eV)
46-Pd-108


MAT 4643
(n,t):45-Rh-106g
46-Pd-108
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 10.134 MeV
JENDL5.0 Threshold 10.135 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
65
46-Pd-108


MAT 4643
(n,t):45-Rh-106m1
46-Pd-108
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 10.272 MeV
JENDL5.0 Threshold 10.274 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
66
46-Pd-108