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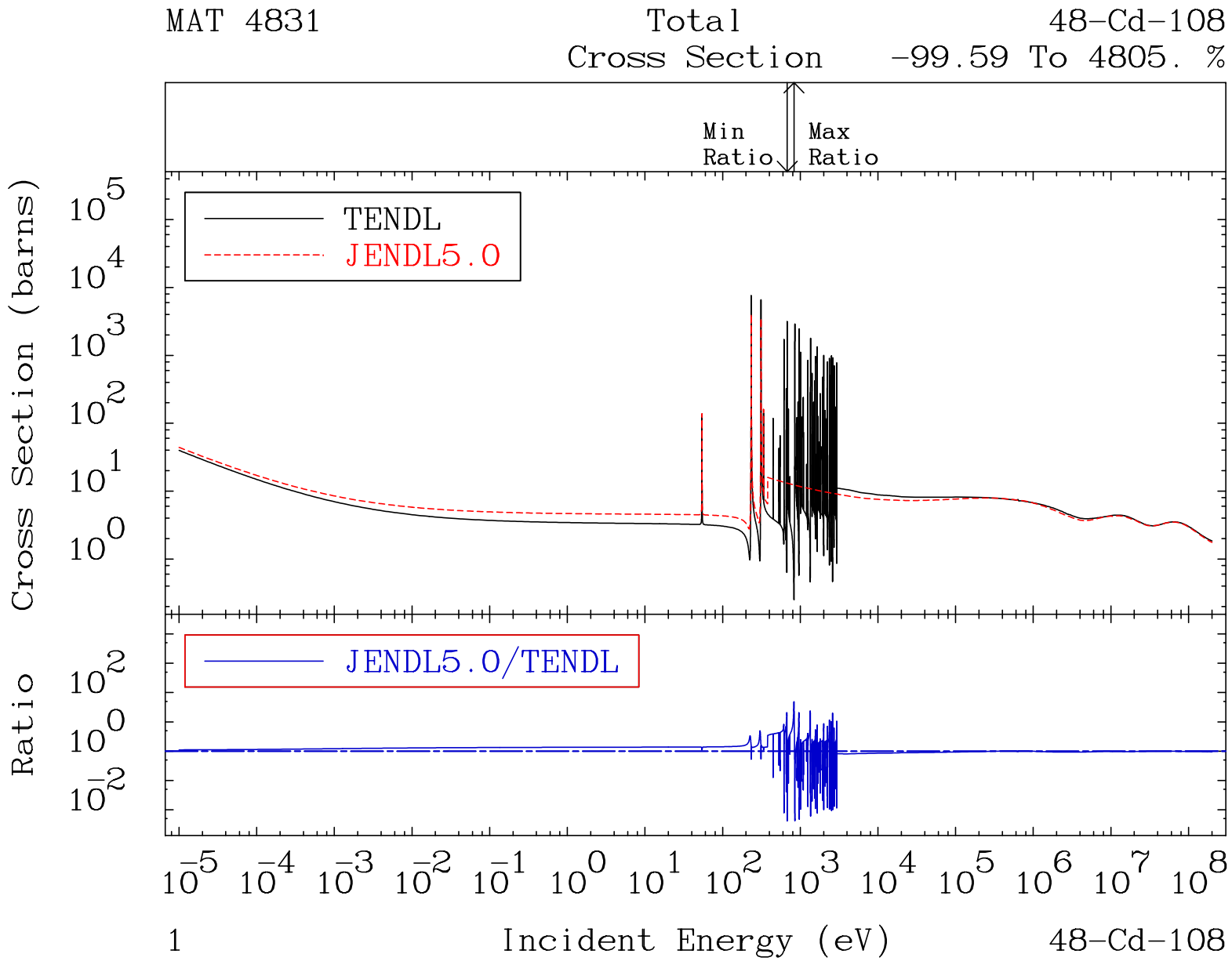
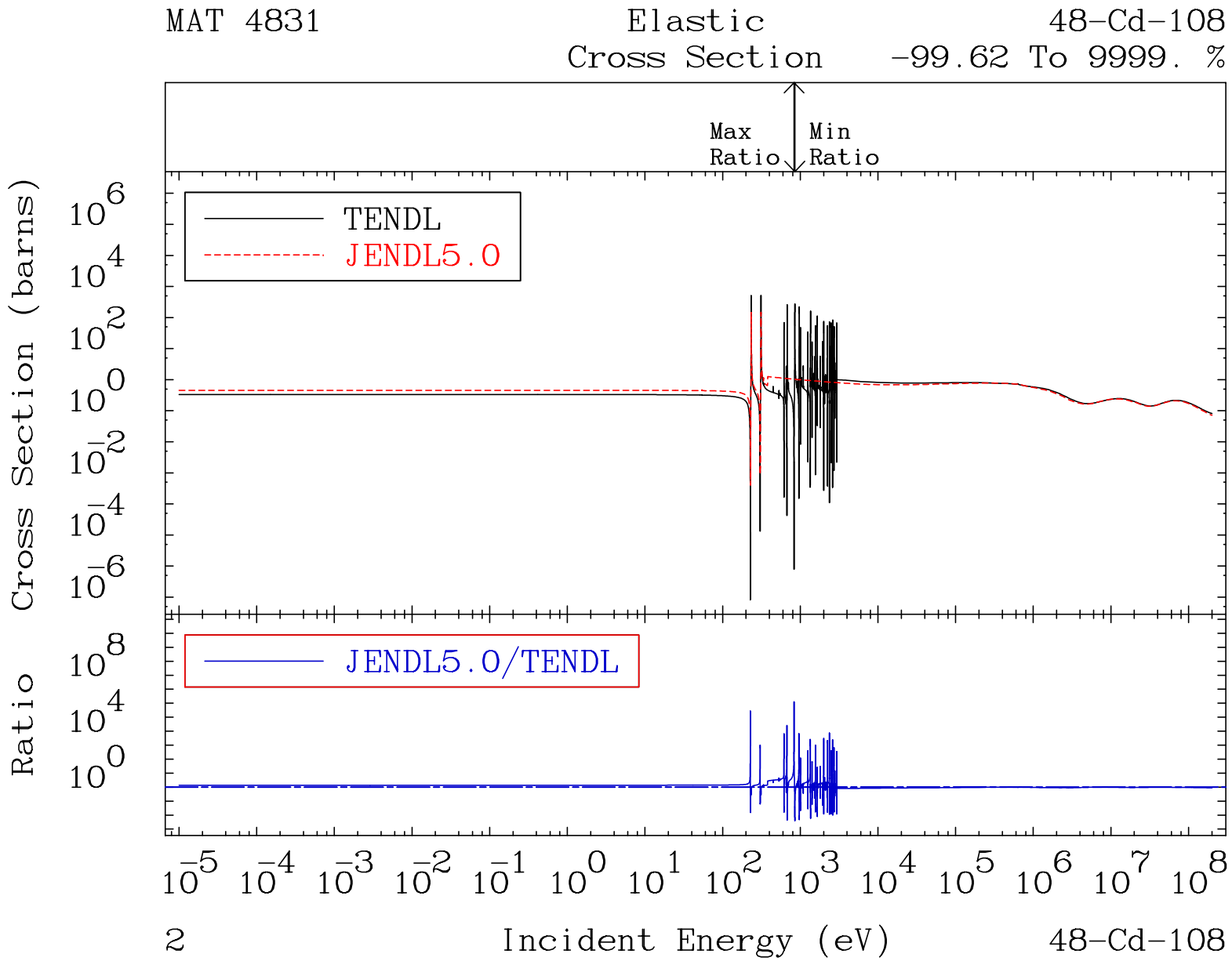
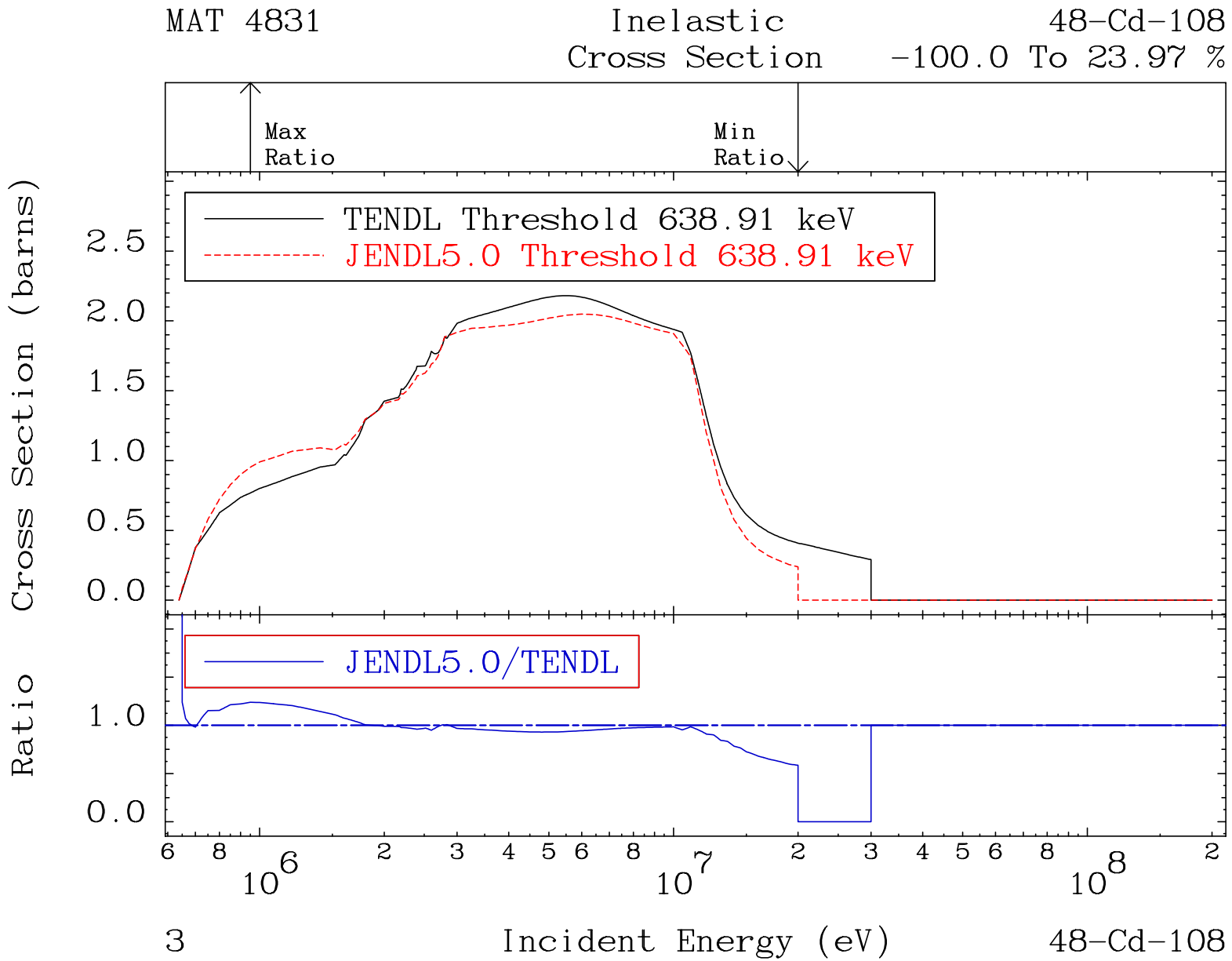
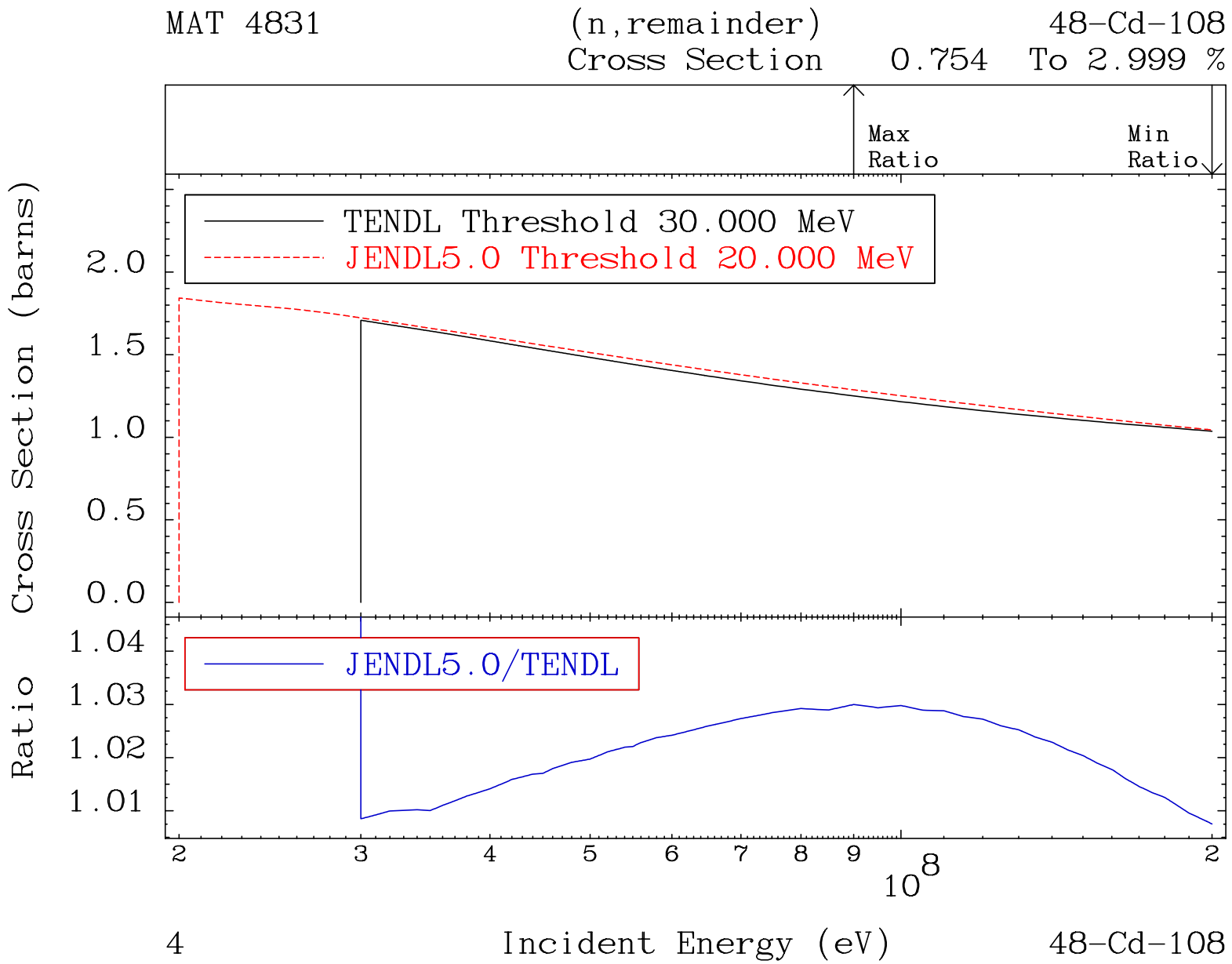
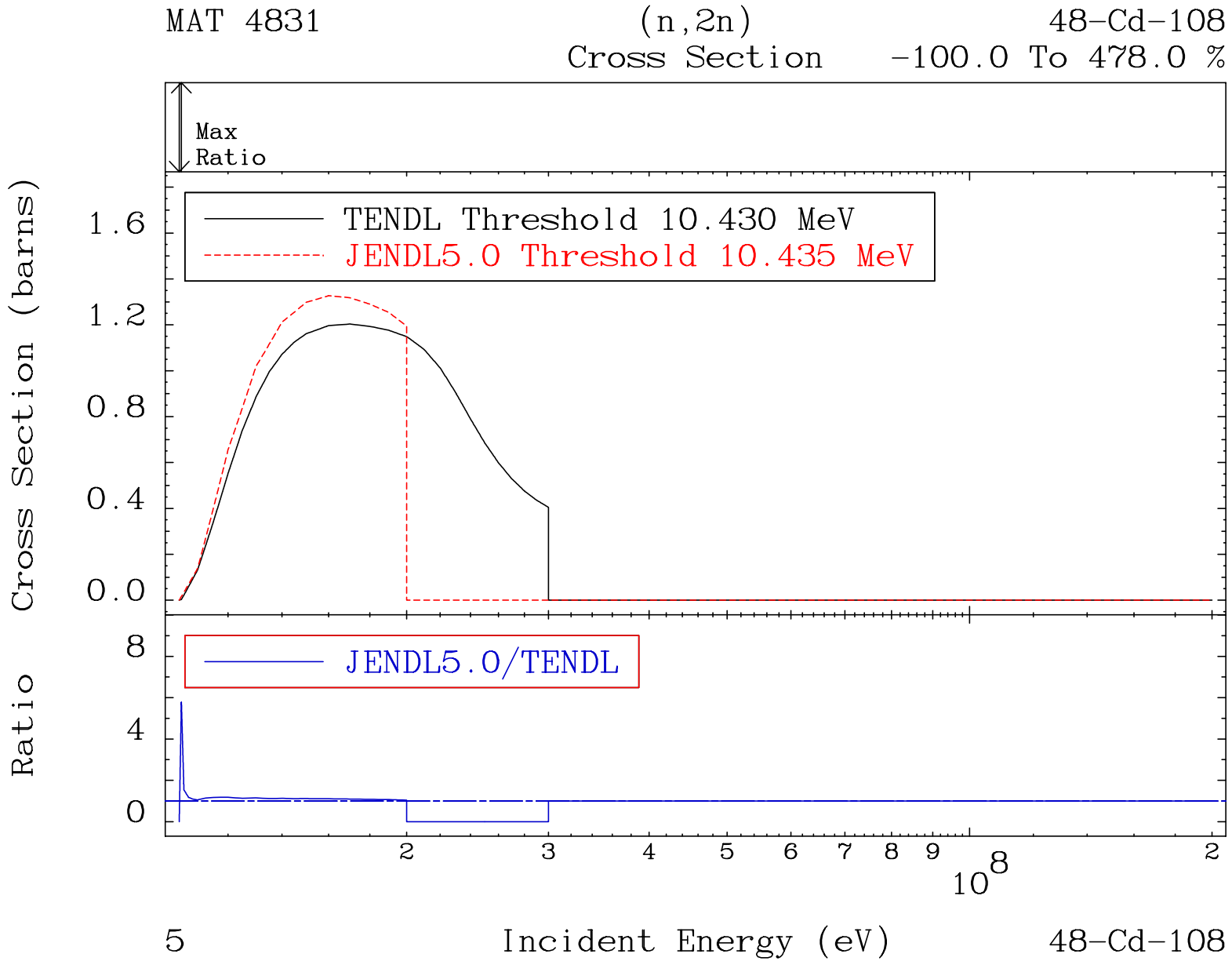
Press Mouse Button to Start

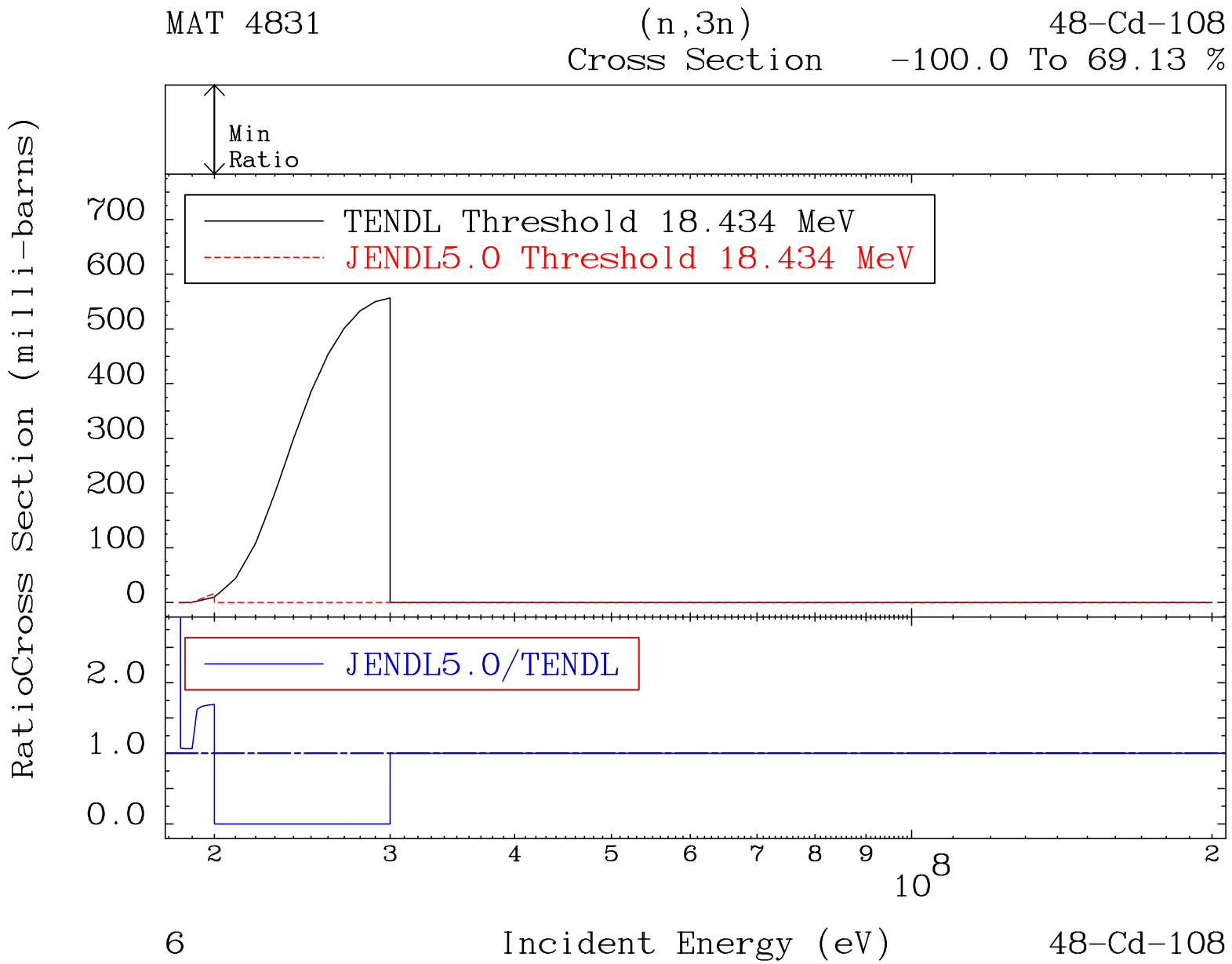

MAT 4831
Total
Cross Section
48-Cd-108
-99.59 To 4805. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
48-Cd-108

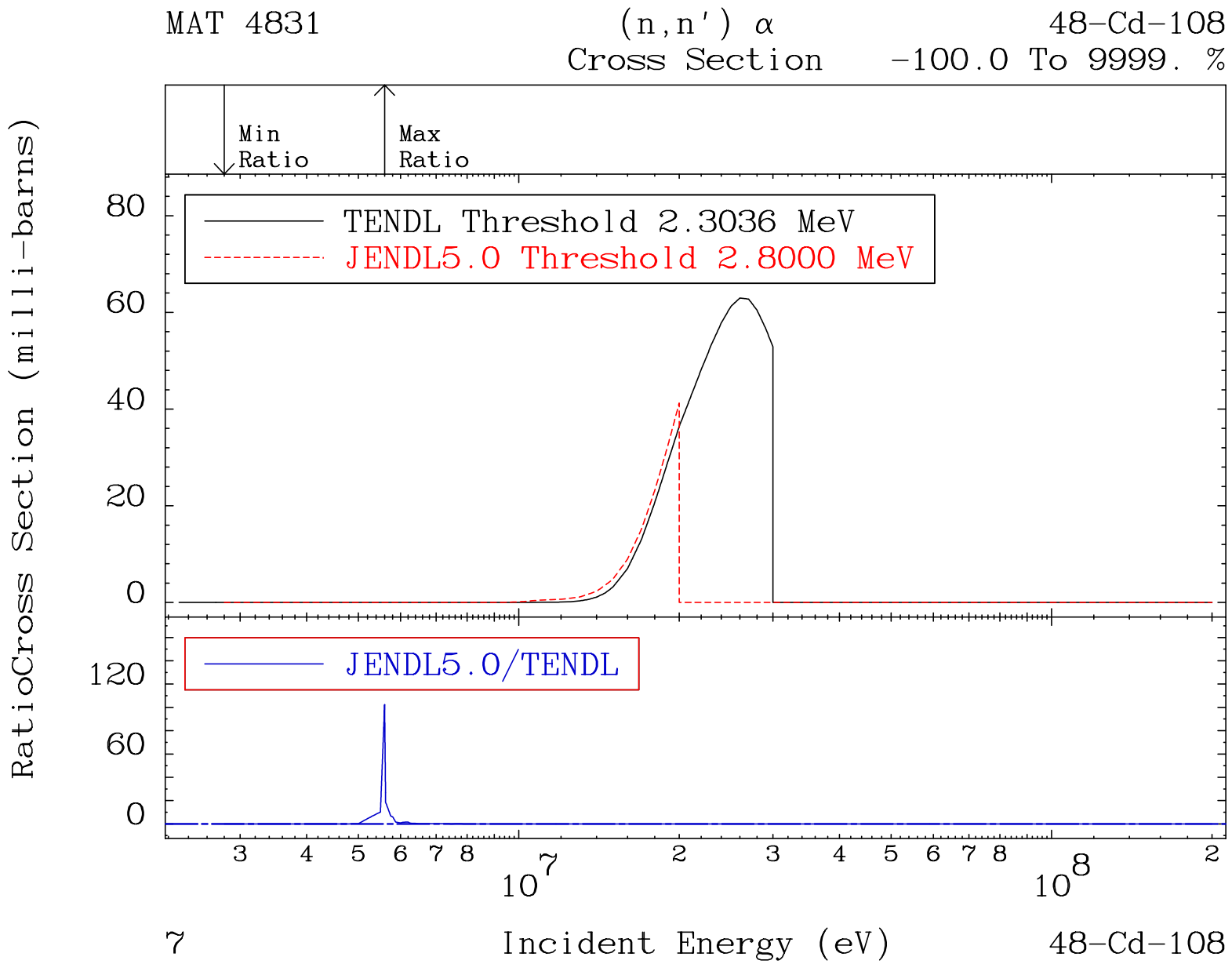

MAT 4831
Elastic
Cross Section
48-Cd-108
-99.62 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
48-Cd-108

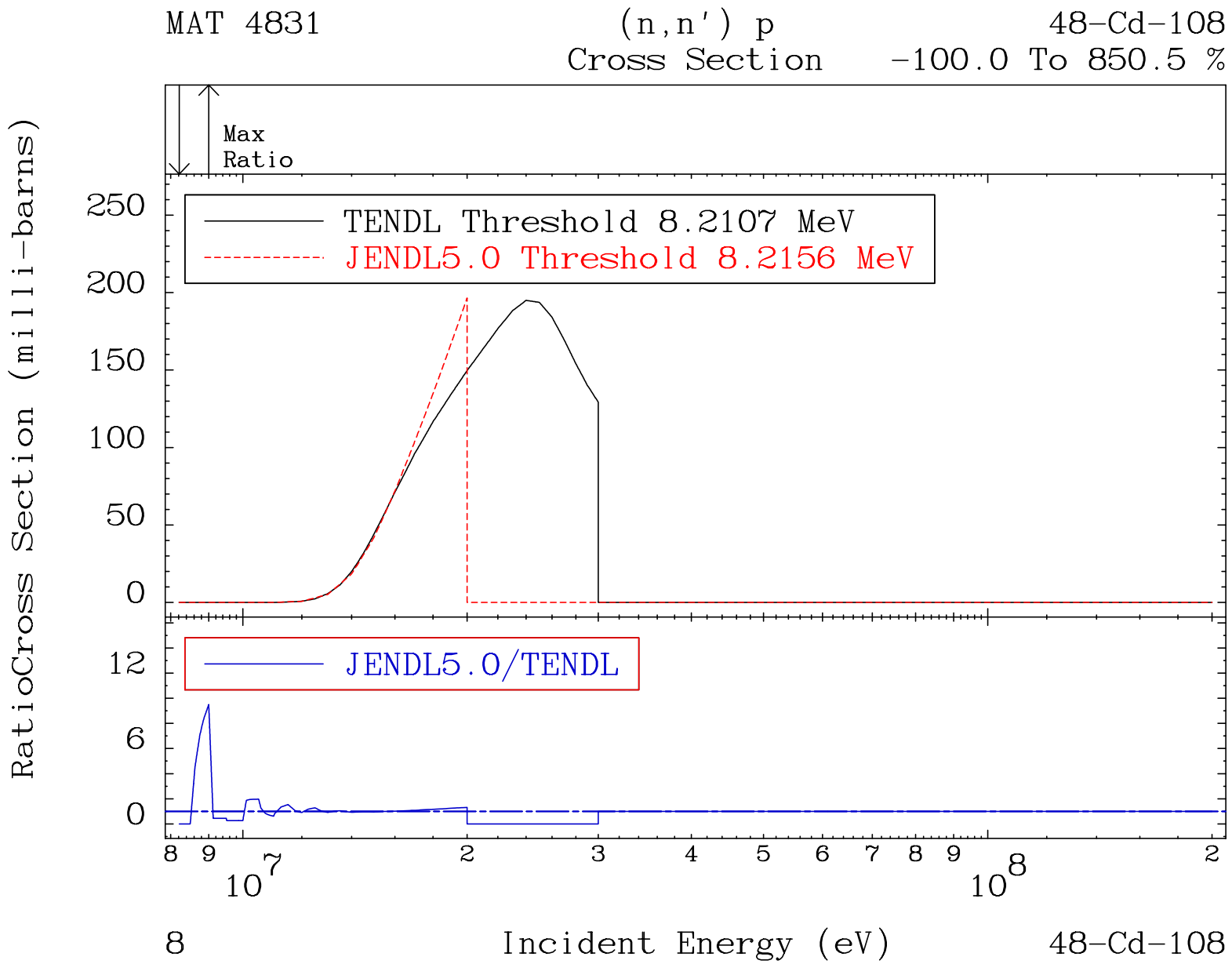

MAT 4831
Inelastic
Cross Section
48-Cd-108
-100.0 To 23.97 %
Max
Ratio
Min
Ratio
TENDL Threshold 638.91 keV
JENDL5.0 Threshold 638.91 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
1.0
0.0
6
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
3
Incident Energy (eV)
48-Cd-108

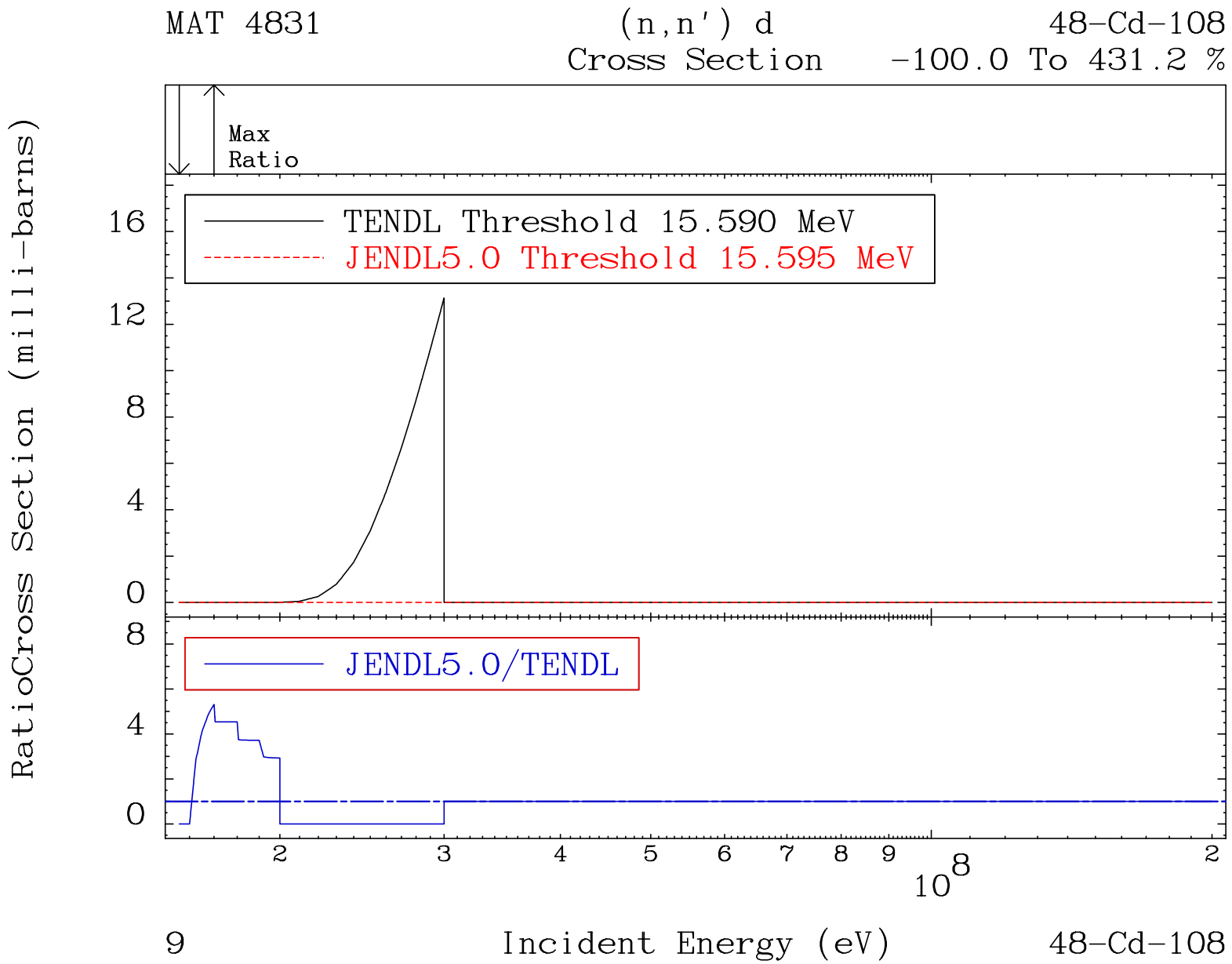

MAT 4831
(n,remainder)
Cross Section
48-Cd-108
0.754 To 2.999 %
Max Ratio
Min Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.04
1.03
1.02
1.01
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
48-Cd-108

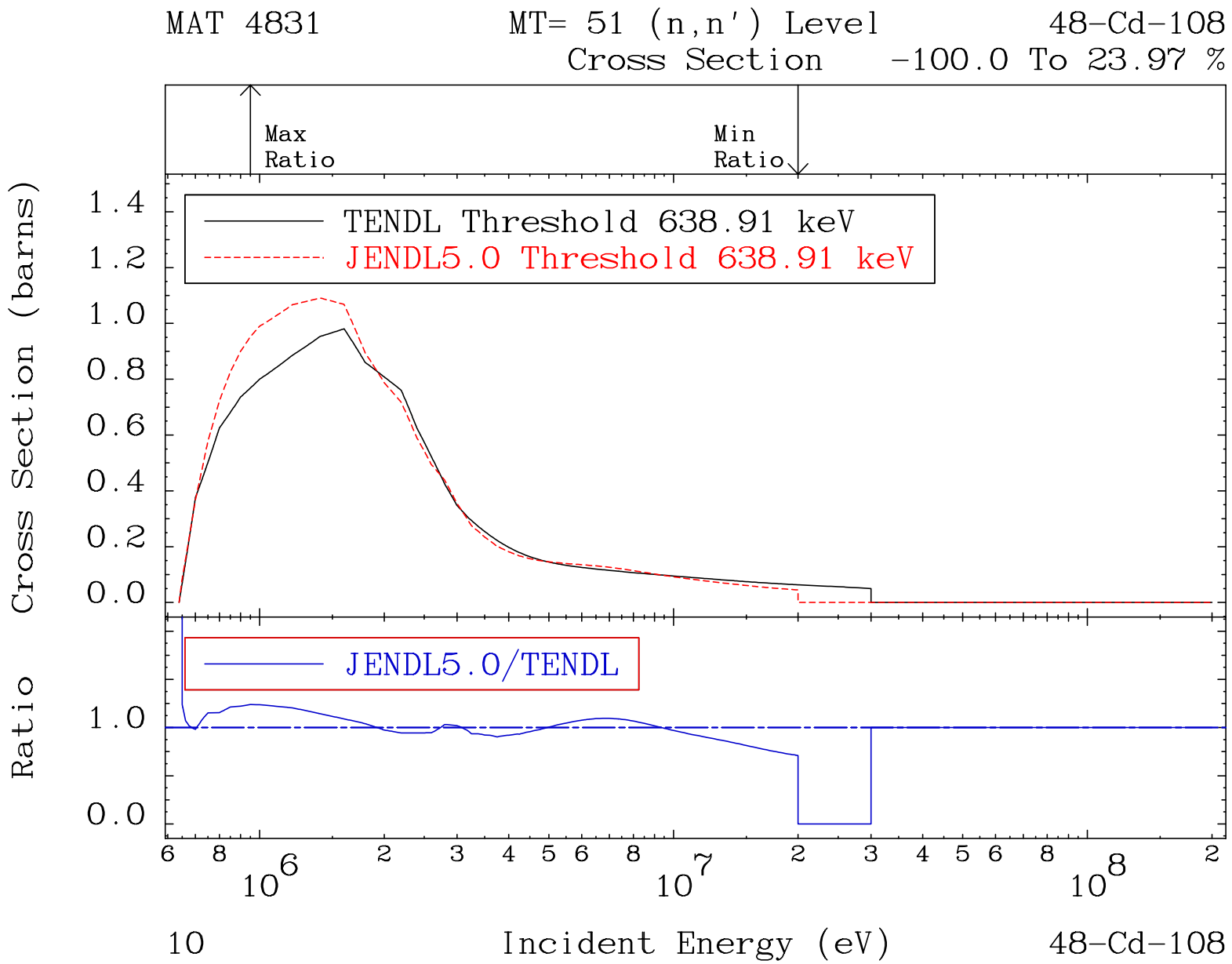

MAT 4831
(n,2n)
Cross Section
48-Cd-108
-100.0 To 478.0 %
Max
Ratio
TENDL Threshold 10.430 MeV
JENDL5.0 Threshold 10.435 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
8
4
0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
48-Cd-108

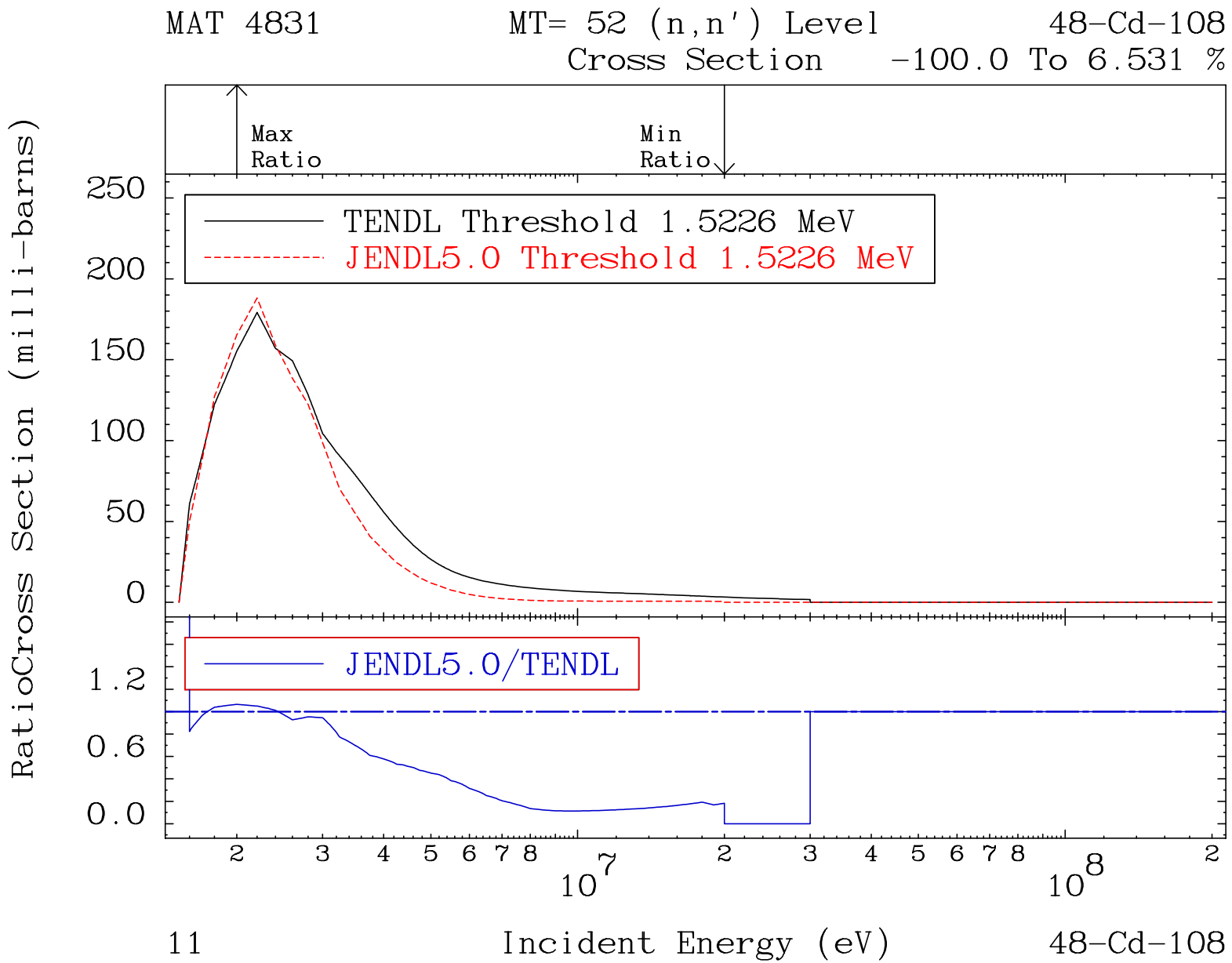

MAT 4831
(n,3n)
48-Cd-108
Cross Section
-100.0 To 69.13 %
Min
Ratio
TENDL Threshold 18.434 MeV
JENDL5.0 Threshold 18.434 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
700
600
500
400
300
200
100
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
6
Incident Energy (eV)
48-Cd-108

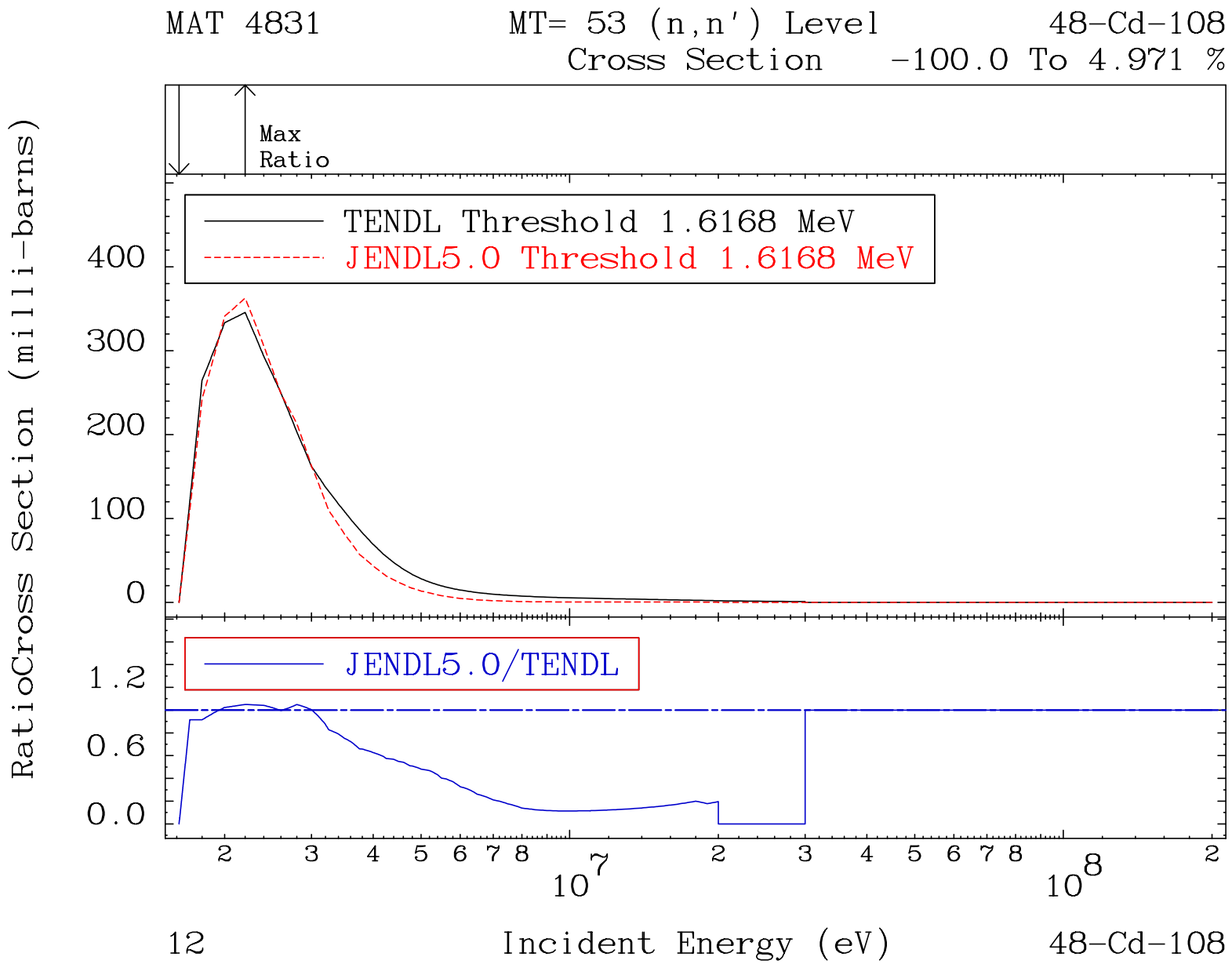

MAT 4831
(n,n') α
Cross Section
48-Cd-108
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.3036 MeV
JENDL5.0 Threshold 2.8000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
120
60
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
7
Incident Energy (eV)
48-Cd-108

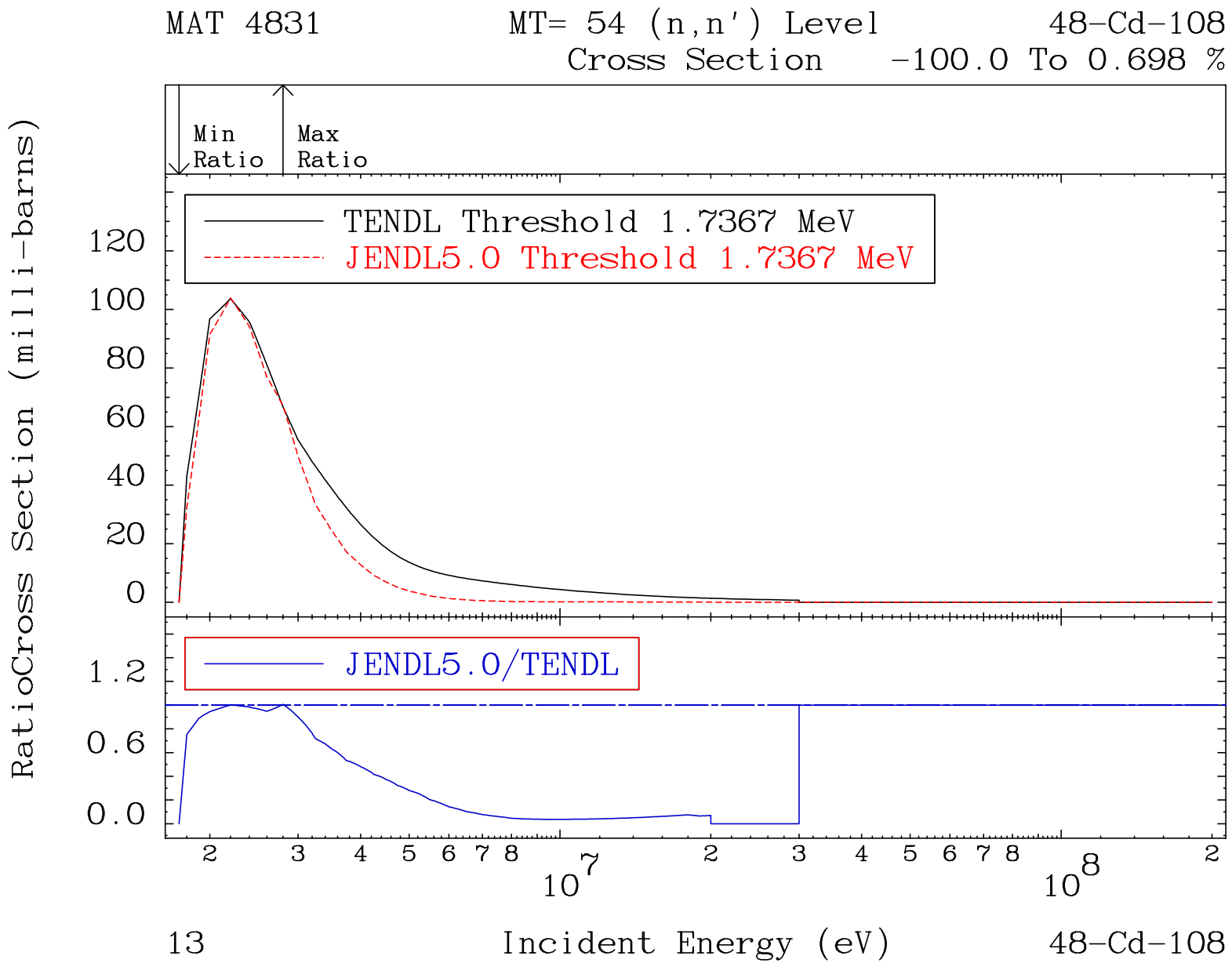

MAT 4831
(n,n') p
Cross Section
48-Cd-108
-100.0 To 850.5 %
Max
Ratio
TENDL Threshold 8.2107 MeV
JENDL5.0 Threshold 8.2156 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
12
6
0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
8
Incident Energy (eV)
48-Cd-108

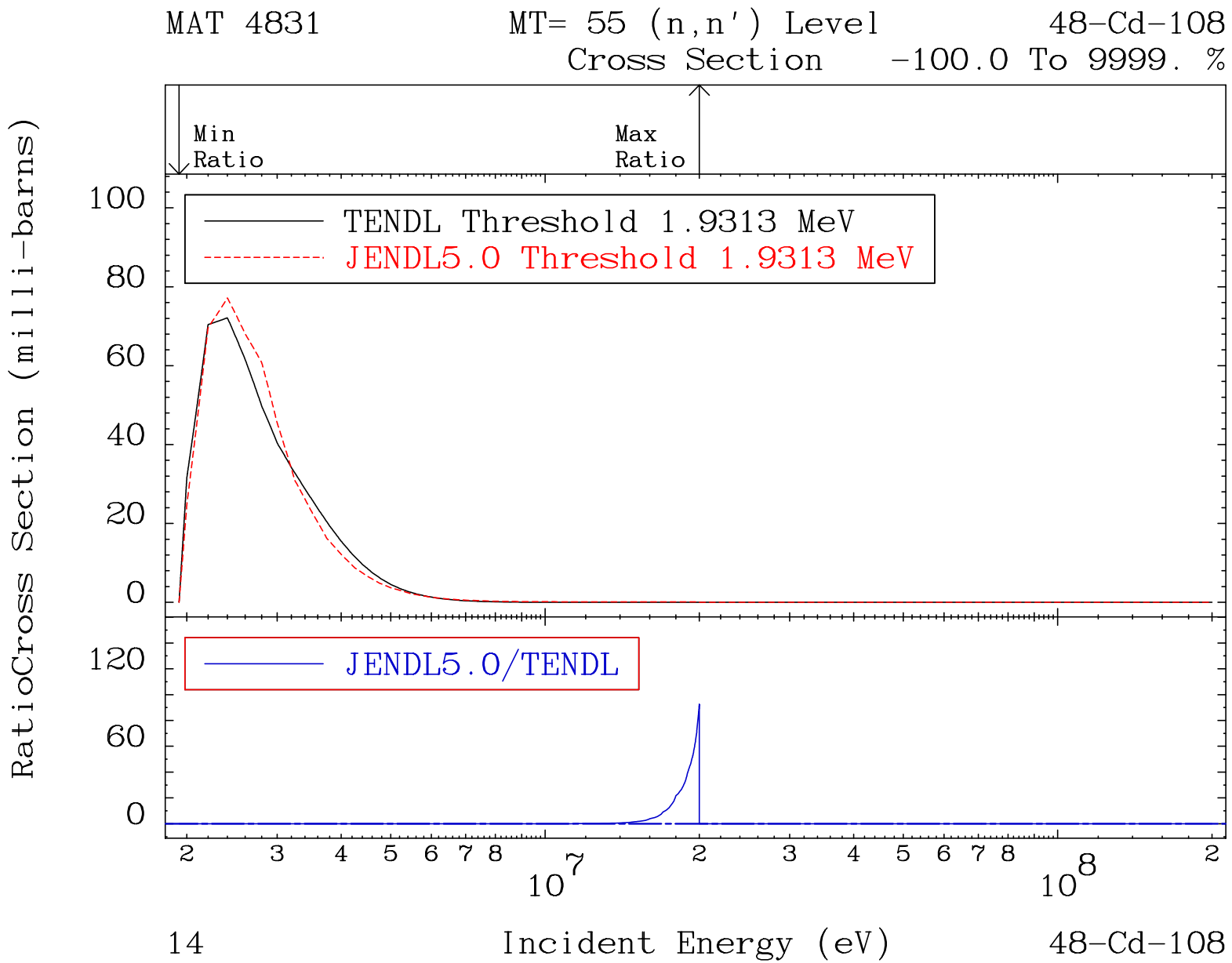

MAT 4831
(n,n') d
Cross Section
48-Cd-108
-100.0 To 431.2 %
Max
Ratio
TENDL Threshold 15.590 MeV
JENDL5.0 Threshold 15.595 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
8
4
0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
48-Cd-108

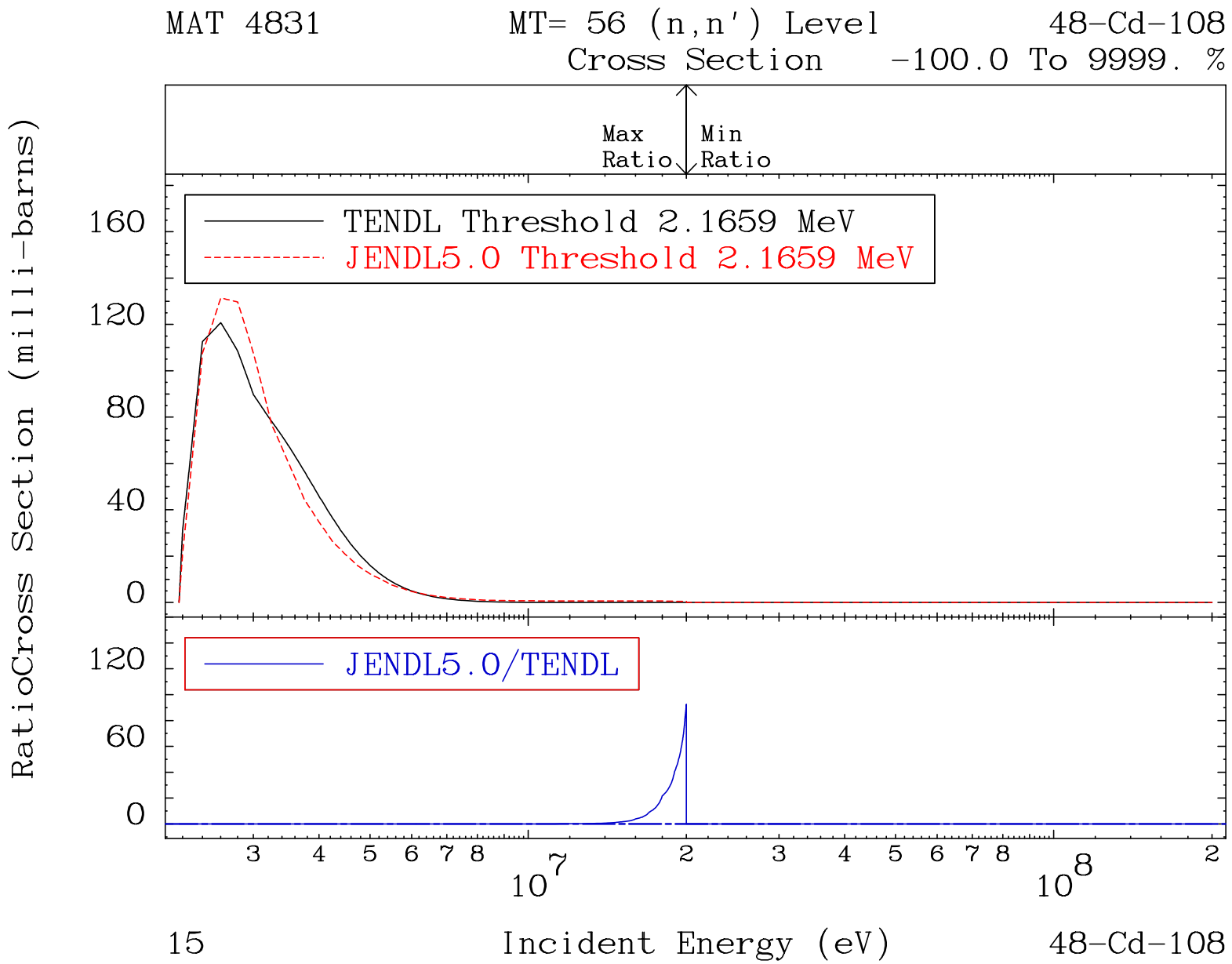

MAT 4831
MT= 51 (n,n') Level
48-Cd-108
Cross Section
-100.0 To 23.97 %
Max Ratio
Min Ratio
TENDL Threshold 638.91 keV
JENDL5.0 Threshold 638.91 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48-Cd-108

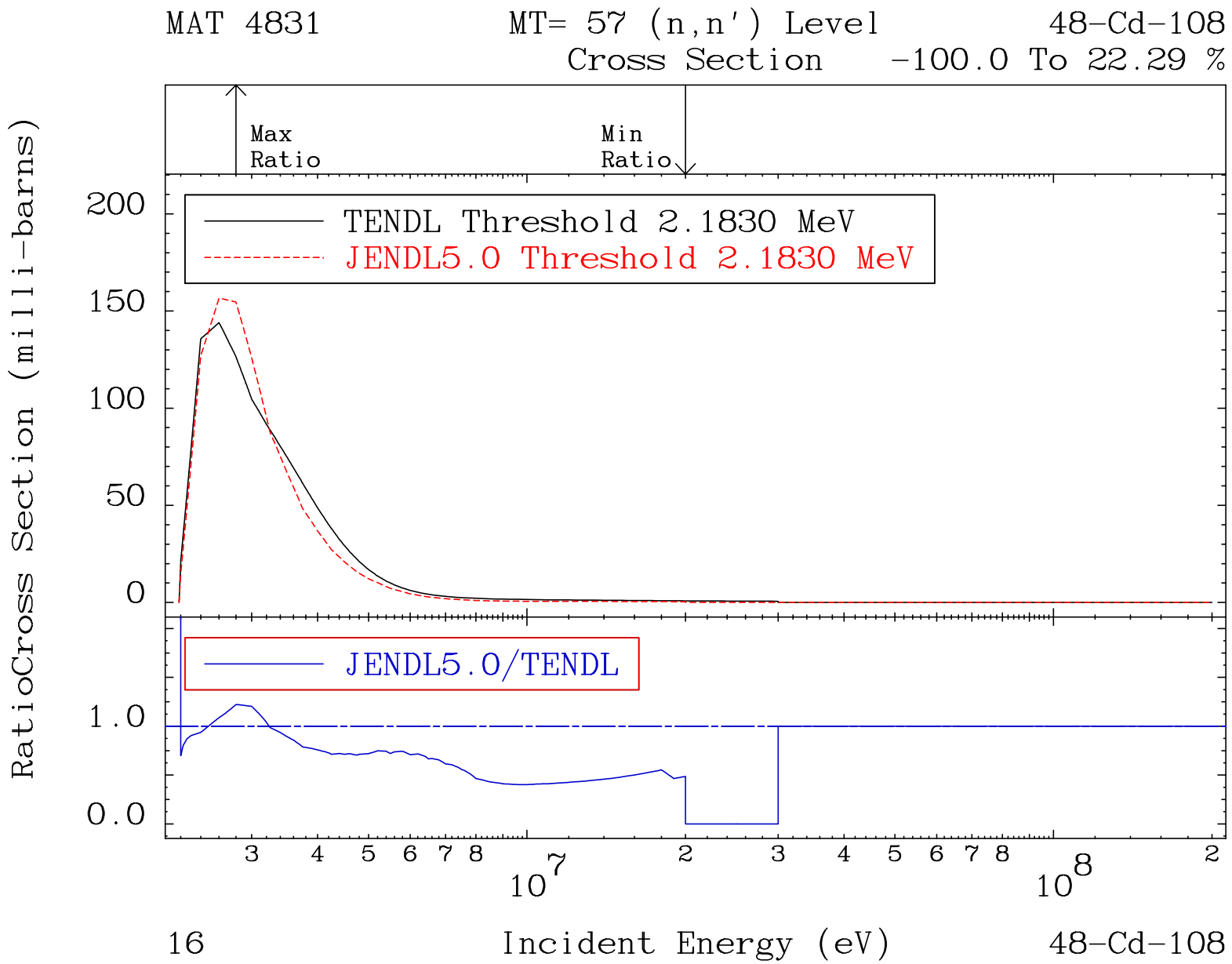

MAT 4831
MT= 52 (n,n') Level
48-Cd-108
Cross Section
-100.0 To 6.531 %
Max Ratio
Min Ratio
TENDL Threshold 1.5226 MeV
JENDL5.0 Threshold 1.5226 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
11
Incident Energy (eV)
48-Cd-108

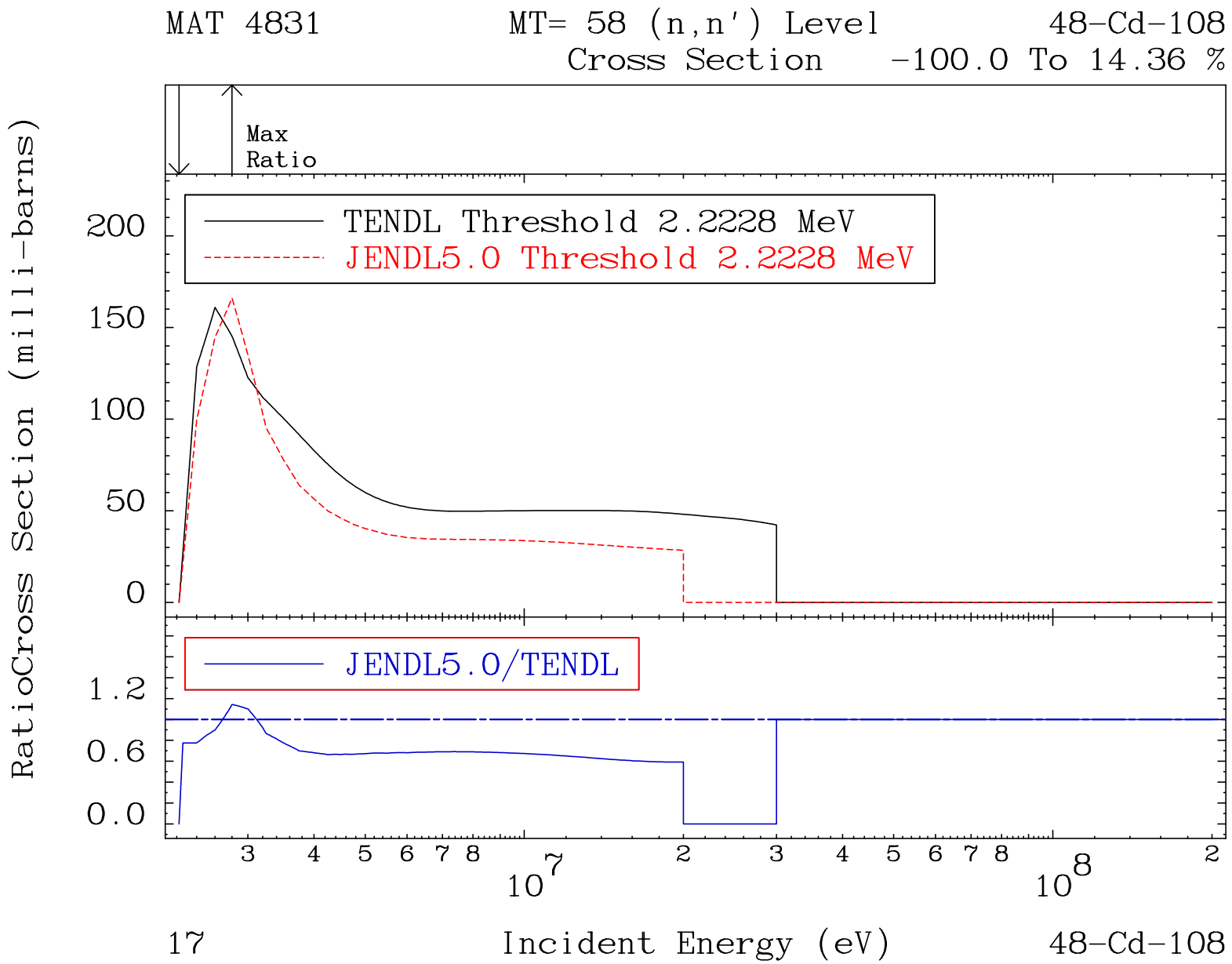

MAT 4831
MT= 53 (n,n') Level
48-Cd-108
Cross Section
-100.0 To 4.971 %
Max
Ratio
TENDL Threshold 1.6168 MeV
JENDL5.0 Threshold 1.6168 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
48-Cd-108

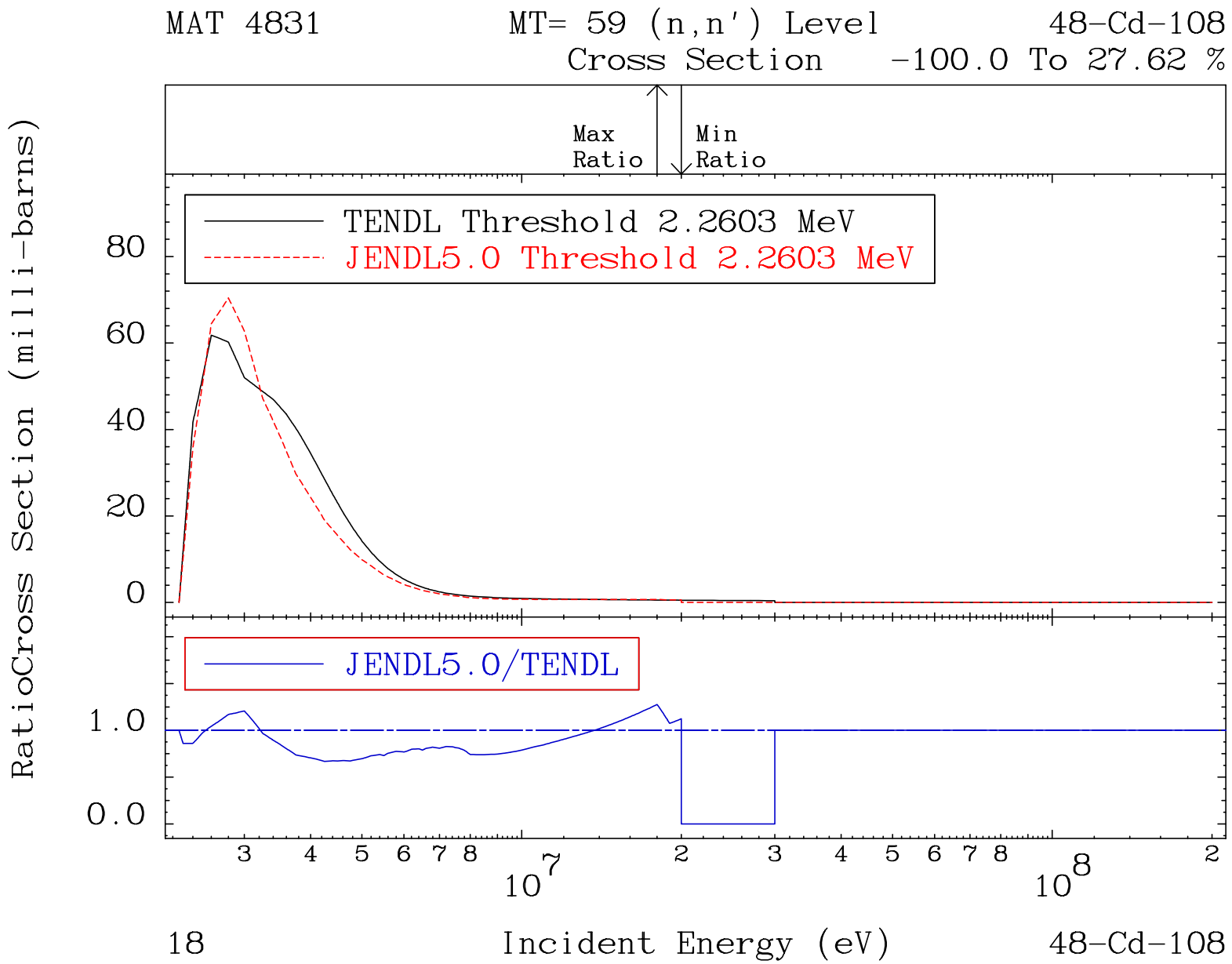

MAT 4831
MT= 54 (n,n') Level
48-Cd-108
Cross Section
-100.0 To 0.698 %
Min Ratio
Max Ratio
TENDL Threshold 1.7367 MeV
JENDL5.0 Threshold 1.7367 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
48-Cd-108

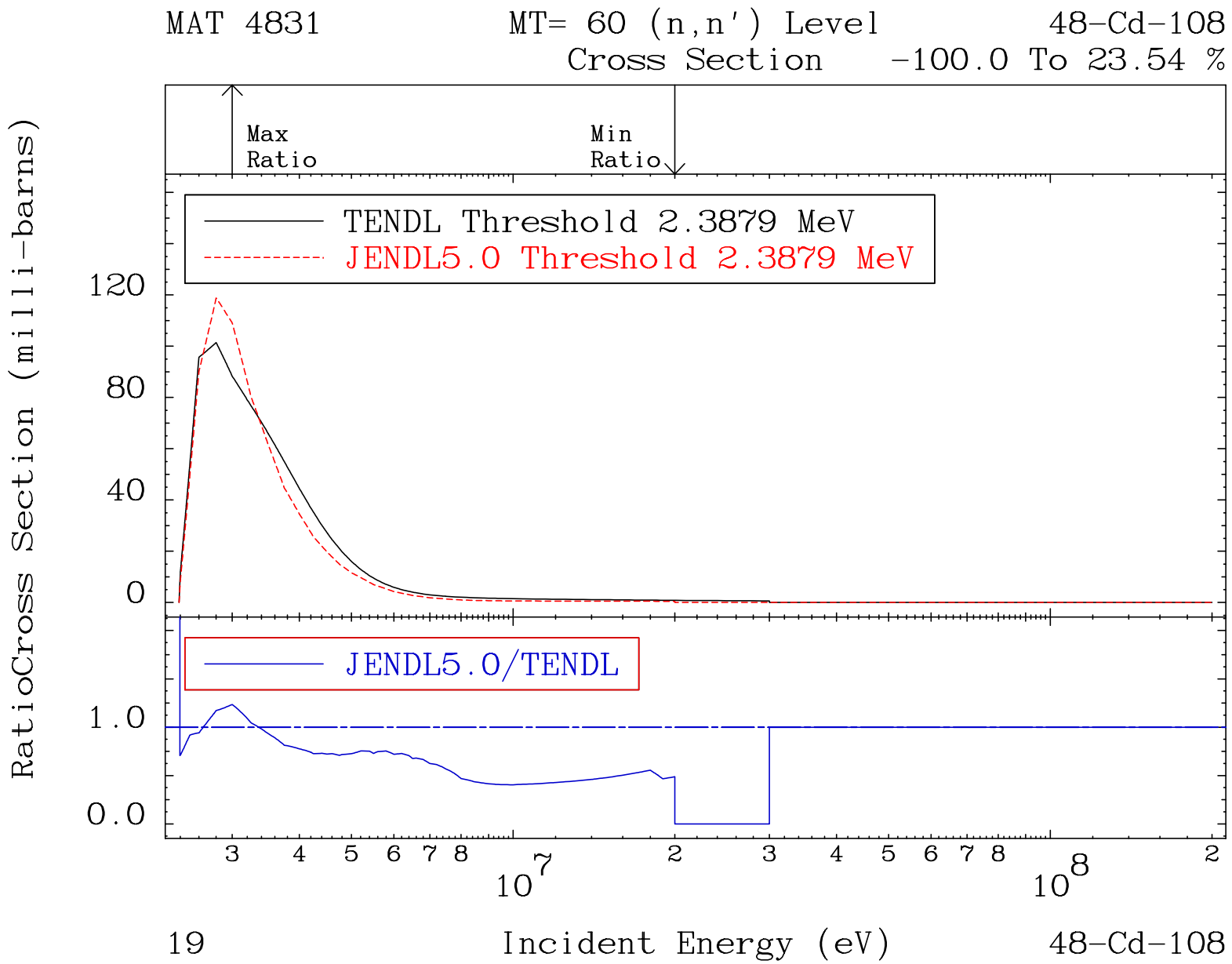

MAT 4831
MT= 55 (n,n') Level
48-Cd-108
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.9313 MeV
JENDL5.0 Threshold 1.9313 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
120
60
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
48-Cd-108

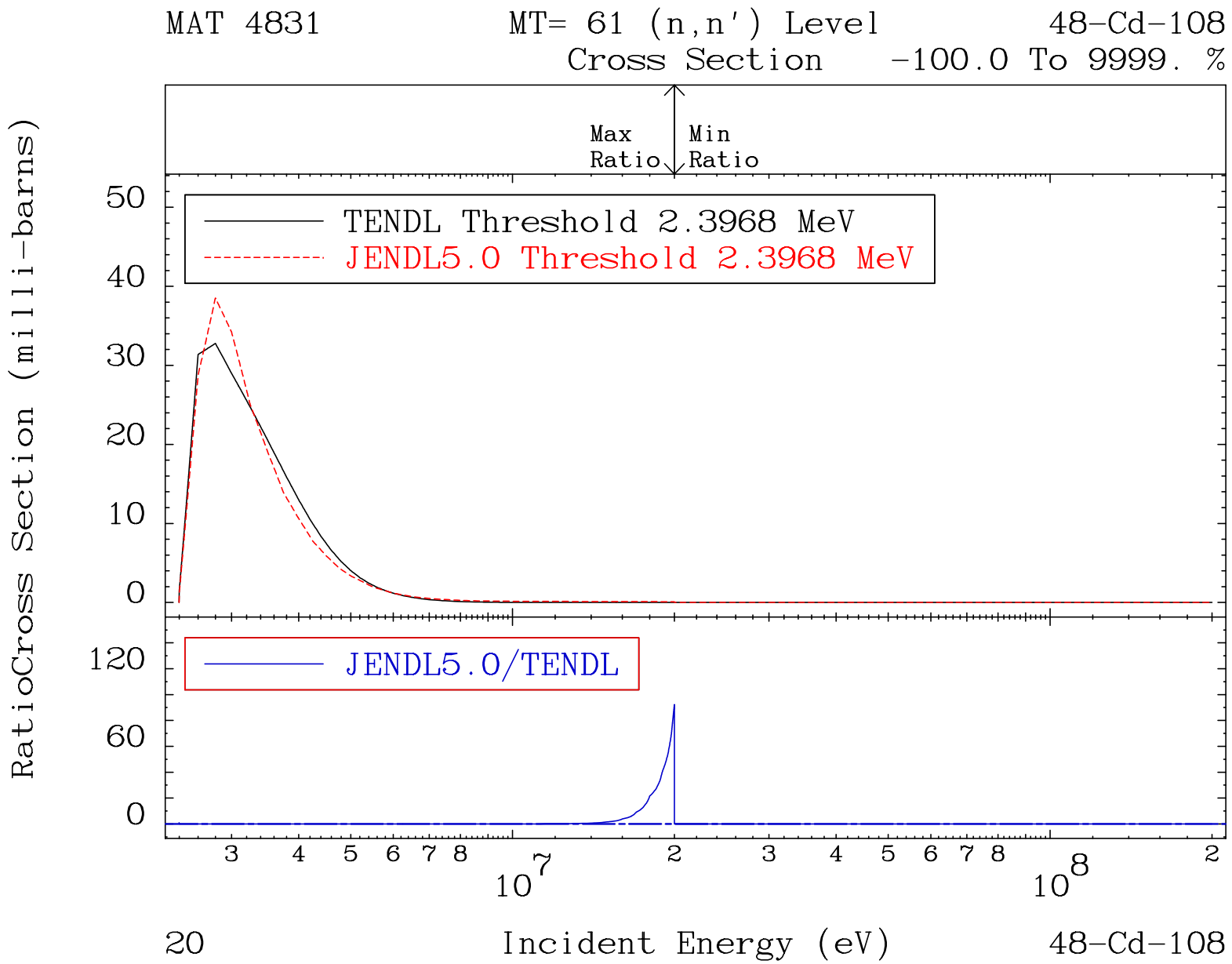

MAT 4831
MT= 56 (n,n') Level
48-Cd-108
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.1659 MeV
JENDL5.0 Threshold 2.1659 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
120
60
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
48-Cd-108

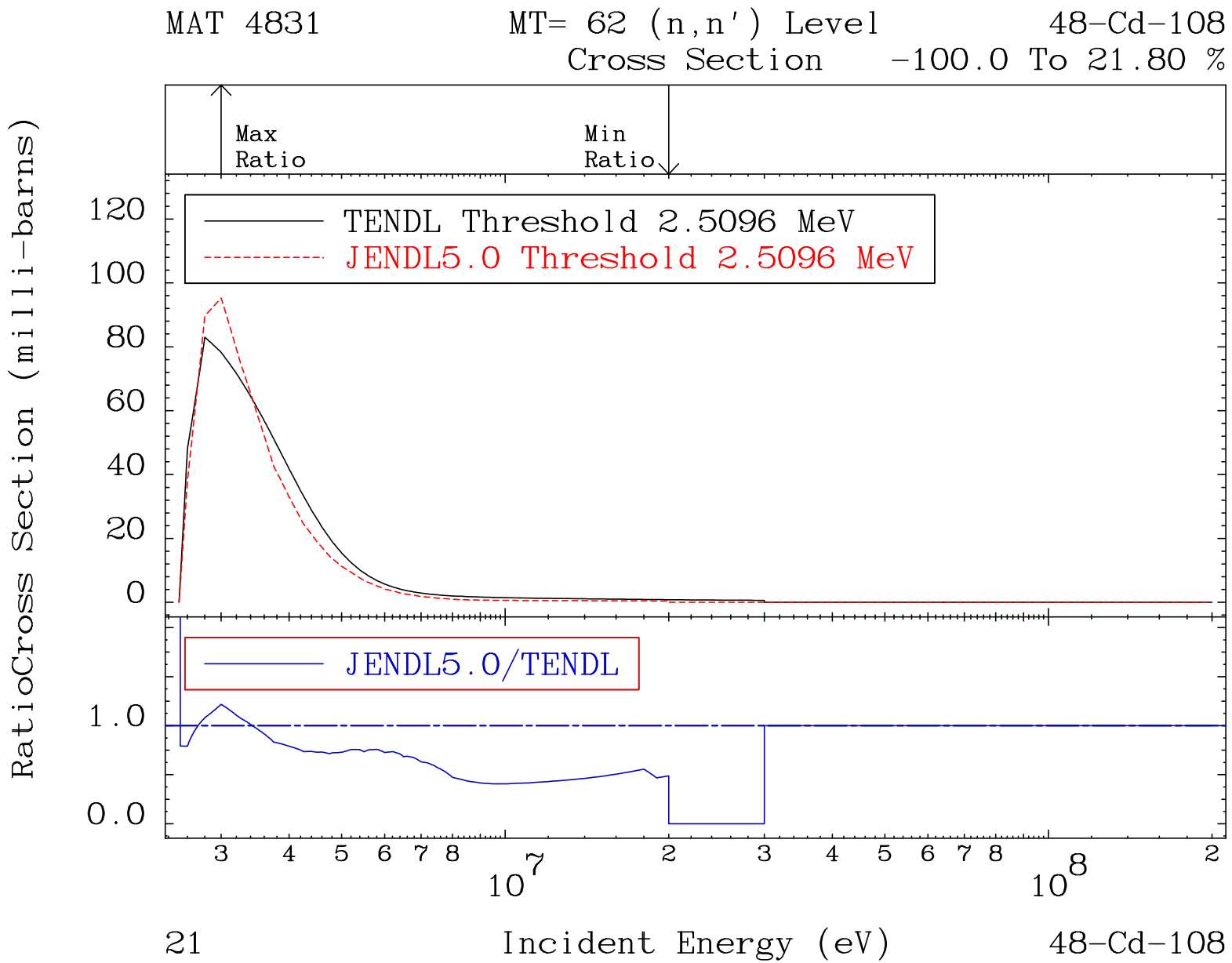

MAT 4831
MT= 57 (n,n') Level
48-Cd-108
Cross Section -100.0 To 22.29 %
Max Ratio
Min Ratio
TENDL Threshold 2.1830 MeV
JENDL5.0 Threshold 2.1830 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
48-Cd-108

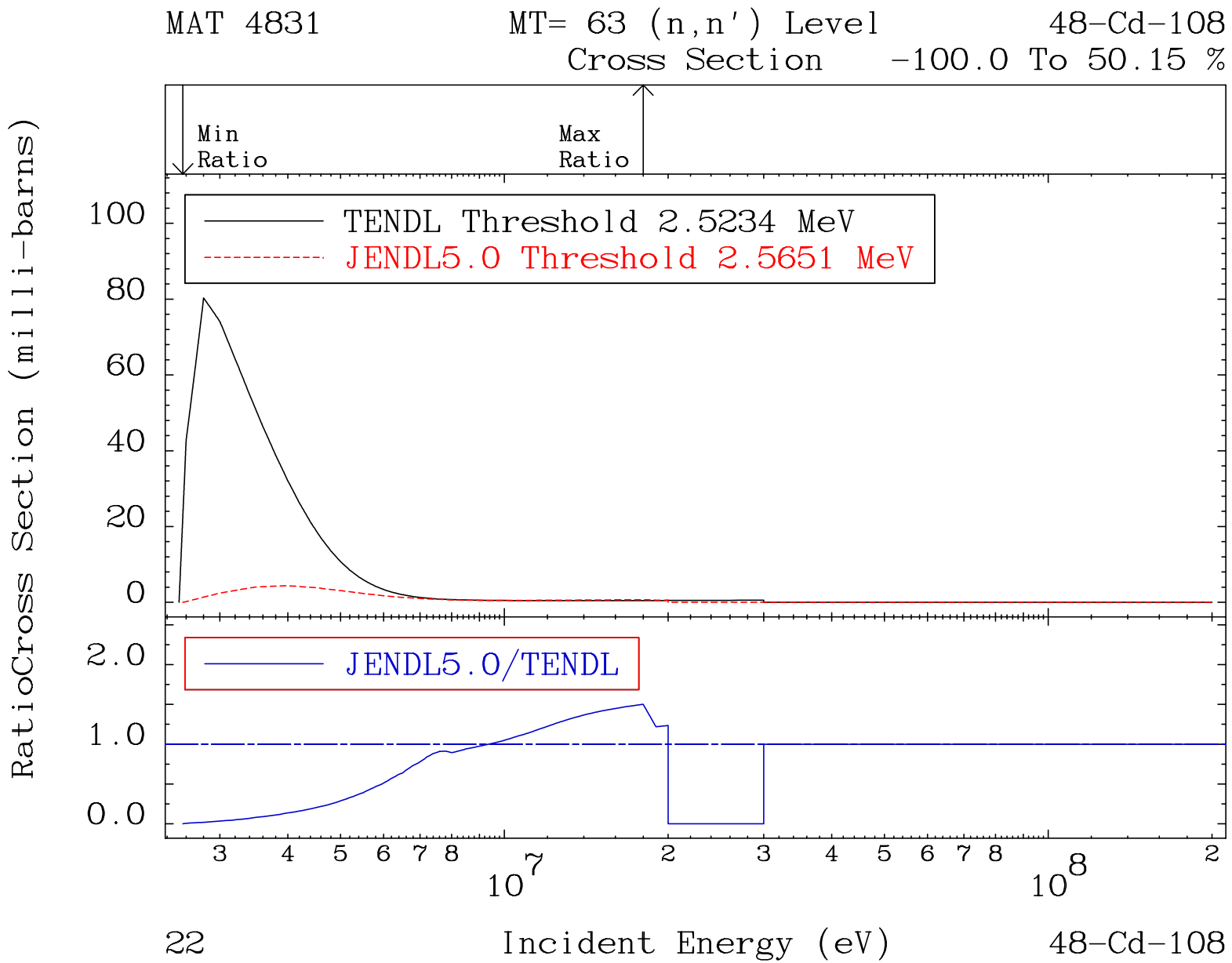

MAT 4831
MT= 58 (n,n') Level
48-Cd-108
Cross Section -100.0 To 14.36 %
Max
Ratio
TENDL Threshold 2.2228 MeV
JENDL5.0 Threshold 2.2228 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.2
0.6
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
48-Cd-108

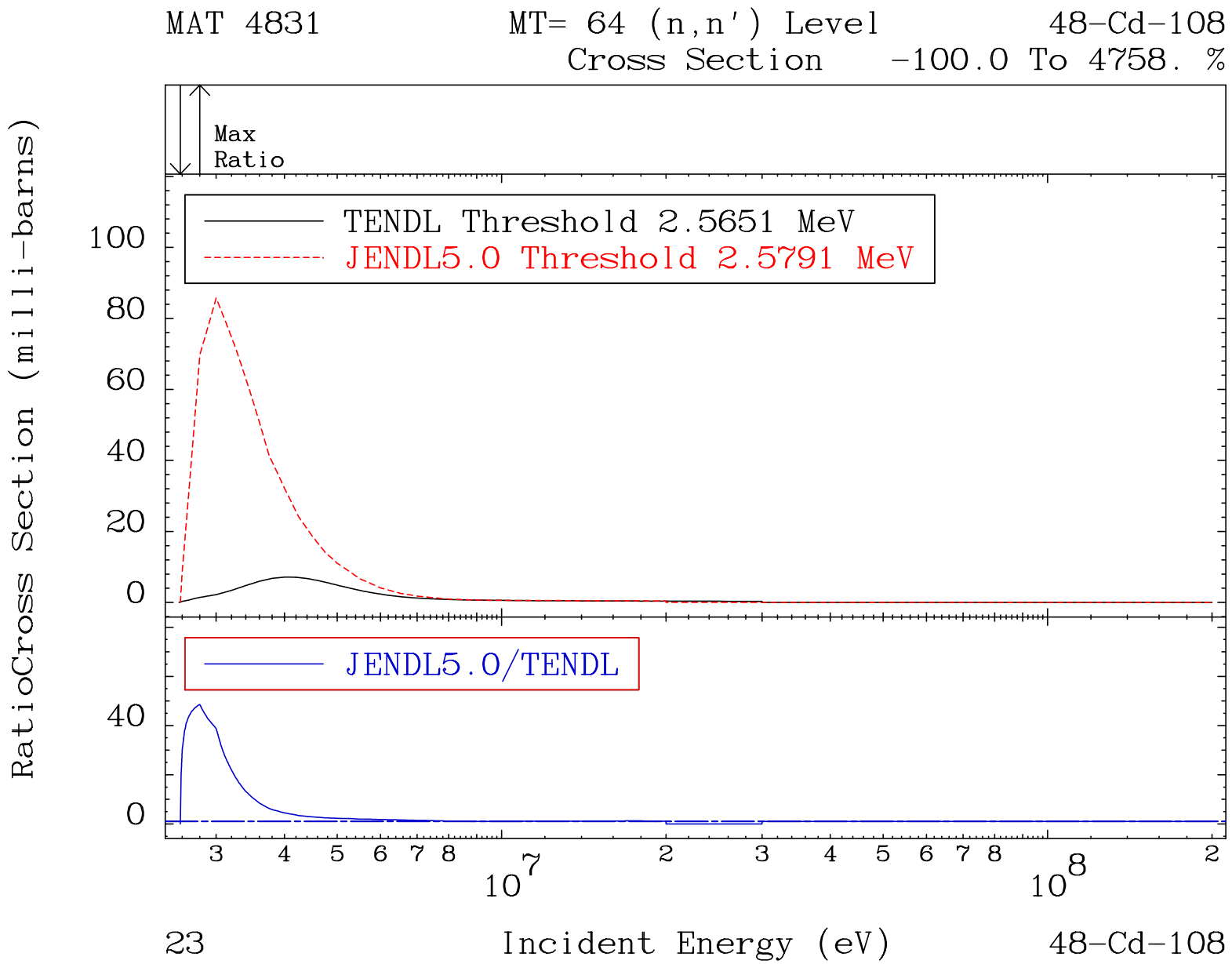

MAT 4831
MT= 59 (n,n') Level
48-Cd-108
Cross Section
-100.0 To 27.62 %
Max Ratio
Min Ratio
TENDL Threshold 2.2603 MeV
JENDL5.0 Threshold 2.2603 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
18
Incident Energy (eV)
48-Cd-108

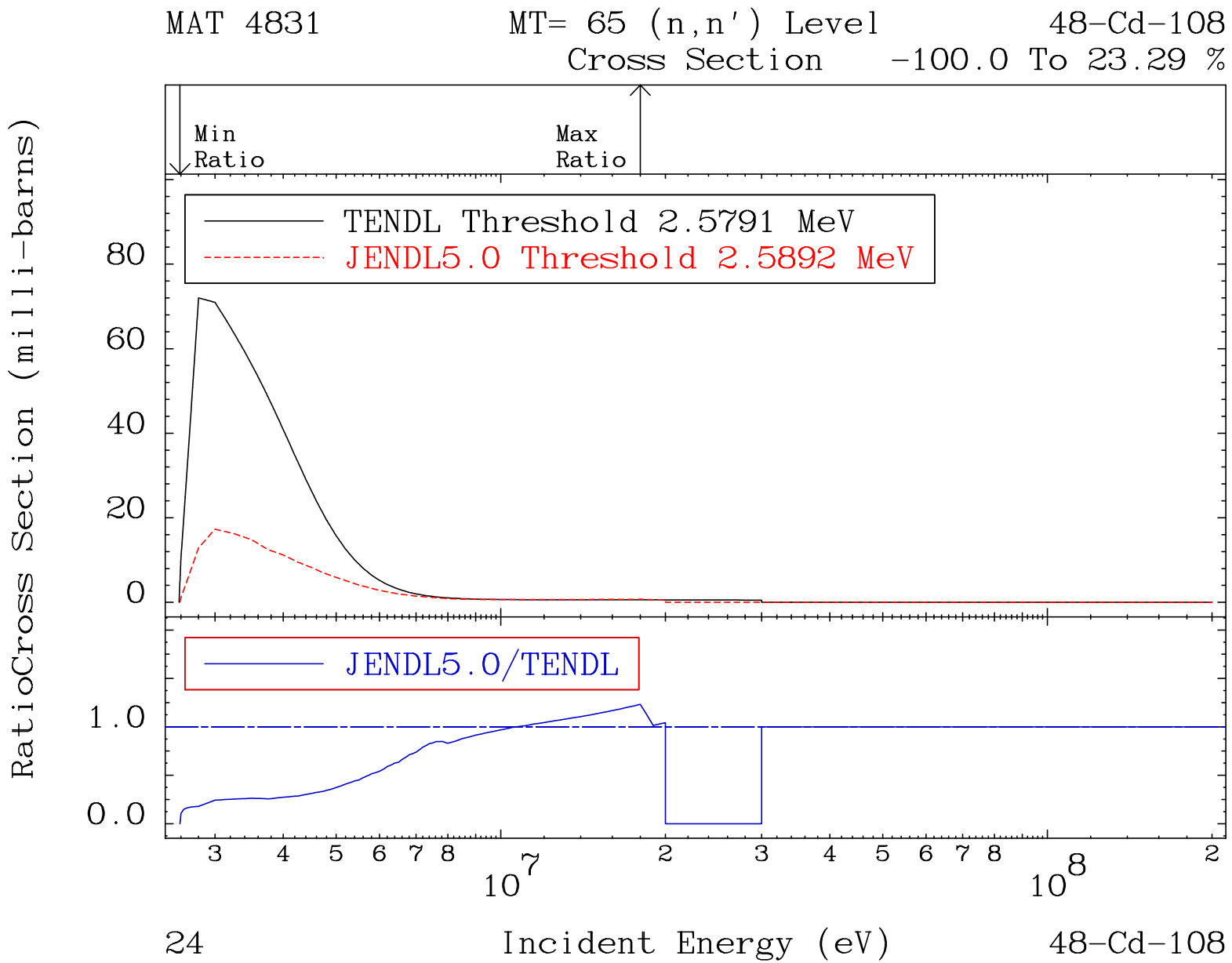

MAT 4831
MT= 60 (n,n') Level
48-Cd-108
Cross Section -100.0 To 23.54 %
Max Ratio
Min Ratio
TENDL Threshold 2.3879 MeV
JENDL5.0 Threshold 2.3879 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
80
40
0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
48-Cd-108

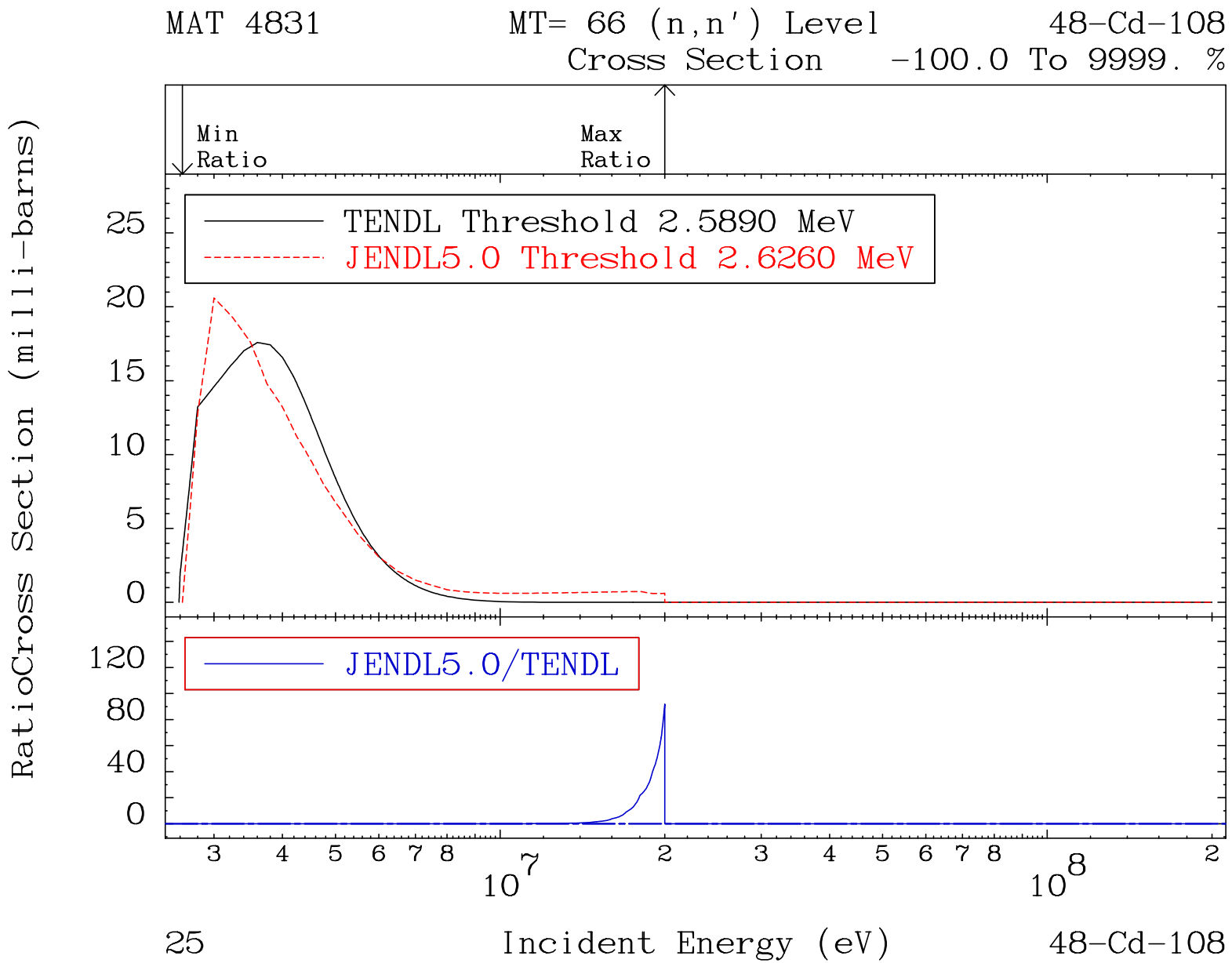

MAT 4831
MT= 61 (n,n') Level
48-Cd-108
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.3968 MeV
JENDL5.0 Threshold 2.3968 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
120
60
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
20
Incident Energy (eV)
48-Cd-108

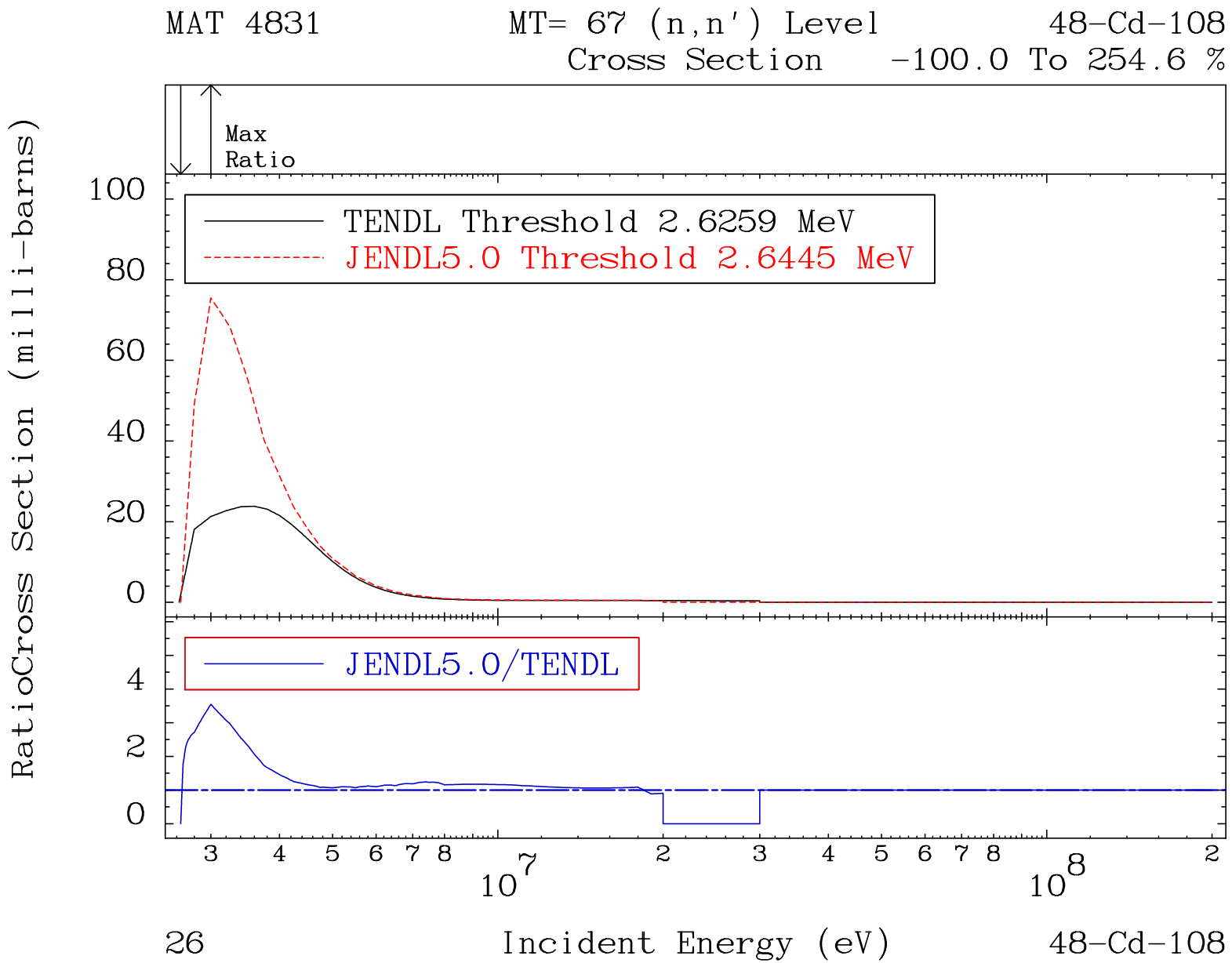

MAT 4831
MT= 62 (n,n') Level
48-Cd-108
Cross Section -100.0 To 21.80 %
Max Ratio
Min Ratio
TENDL Threshold 2.5096 MeV
JENDL5.0 Threshold 2.5096 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
21
Incident Energy (eV)
48-Cd-108

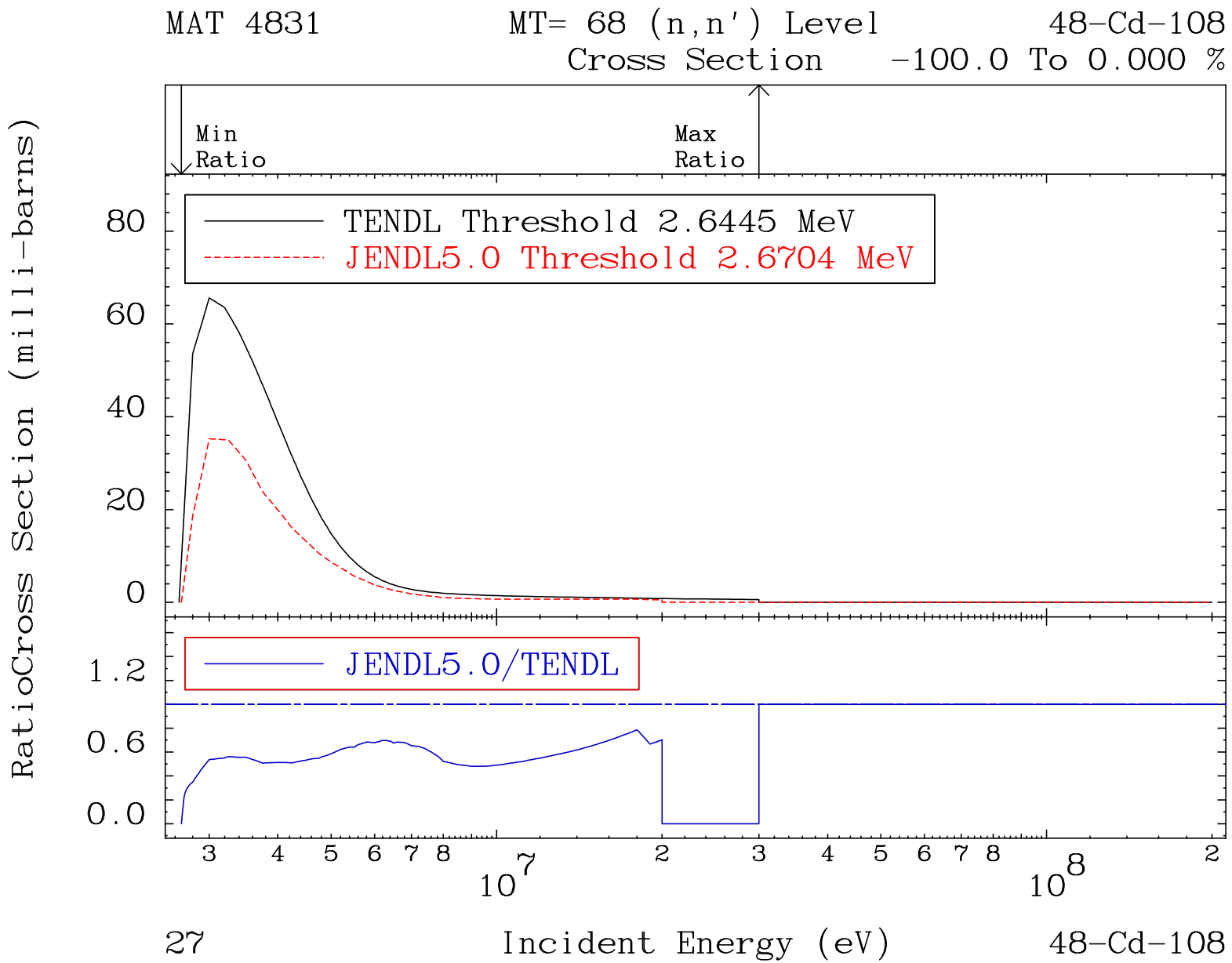

MAT 4831
MT= 63 (n,n') Level
48-Cd-108
Cross Section
-100.0 To 50.15 %
Min Ratio
Max Ratio
TENDL Threshold 2.5234 MeV
JENDL5.0 Threshold 2.5651 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
48-Cd-108

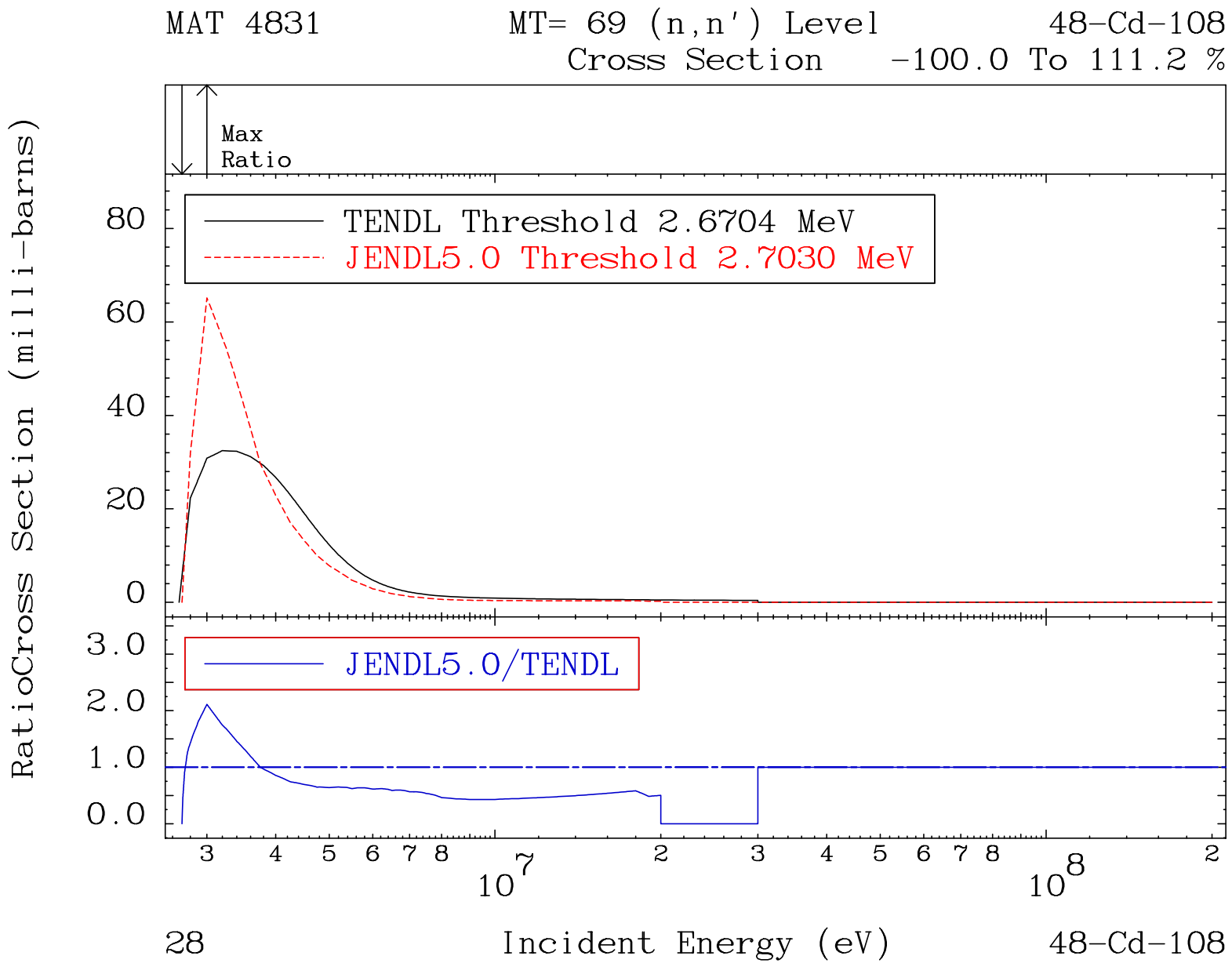

MAT 4831
MT= 64 (n,n') Level
48-Cd-108
Cross Section -100.0 To 4758. %
Max
Ratio
TENDL Threshold 2.5651 MeV
JENDL5.0 Threshold 2.5791 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
40
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
48-Cd-108

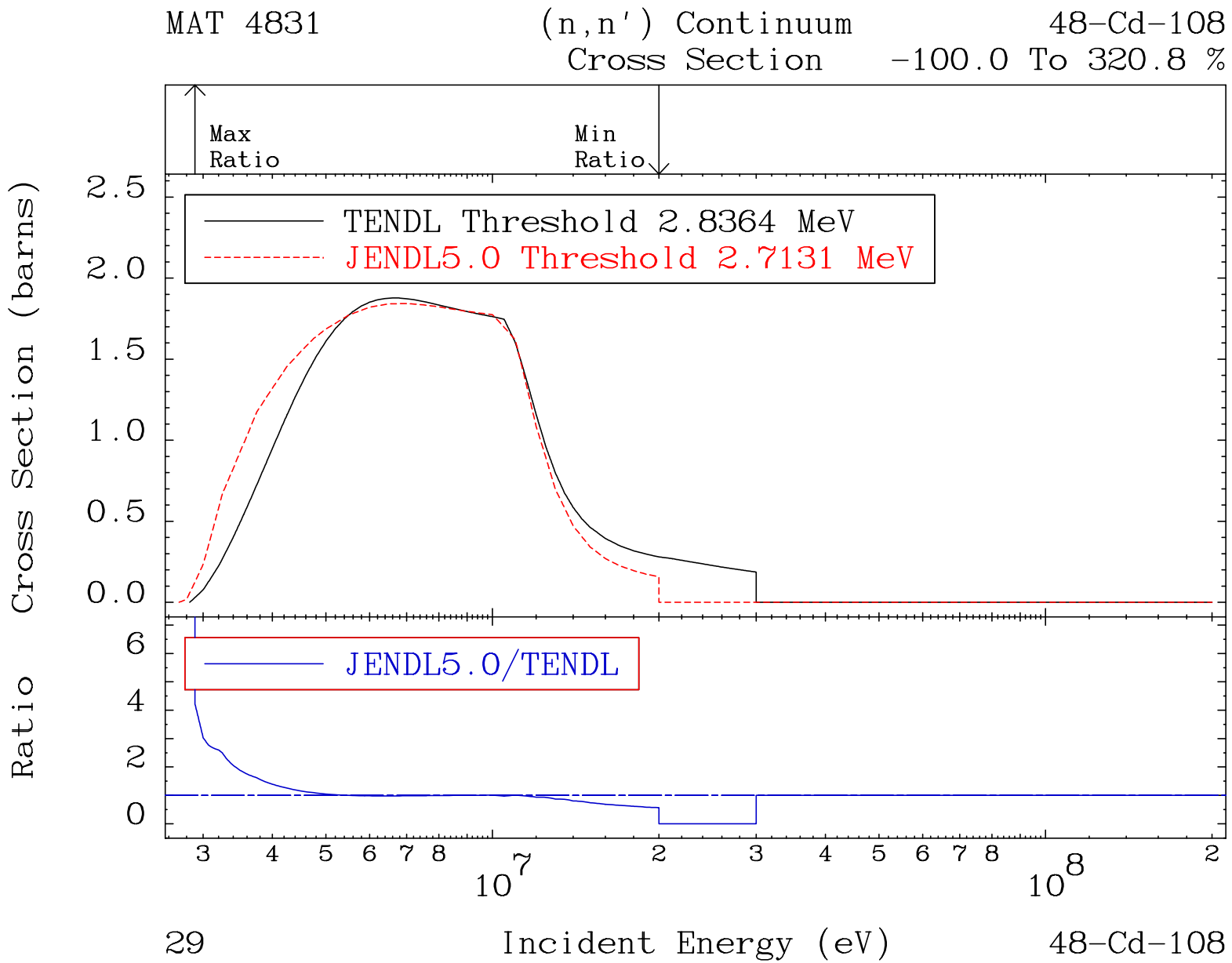

MAT 4831
MT= 65 (n,n') Level
48-Cd-108
Cross Section -100.0 To 23.29 %
Min Ratio
Max Ratio
TENDL Threshold 2.5791 MeV
JENDL5.0 Threshold 2.5892 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
48-Cd-108

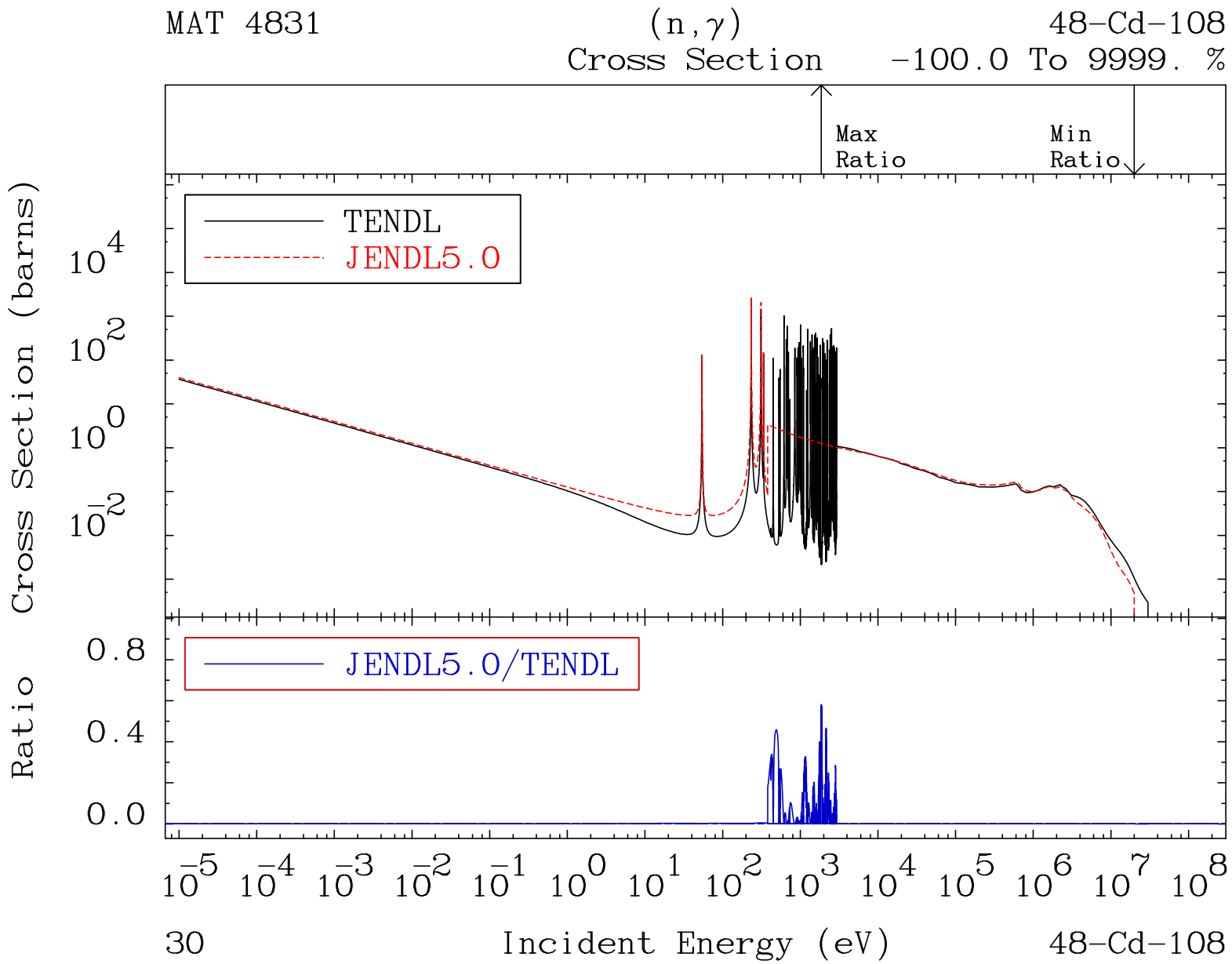

MAT 4831
MT= 66 (n,n') Level
48-Cd-108
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.5890 MeV
JENDL5.0 Threshold 2.6260 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
25
48-Cd-108

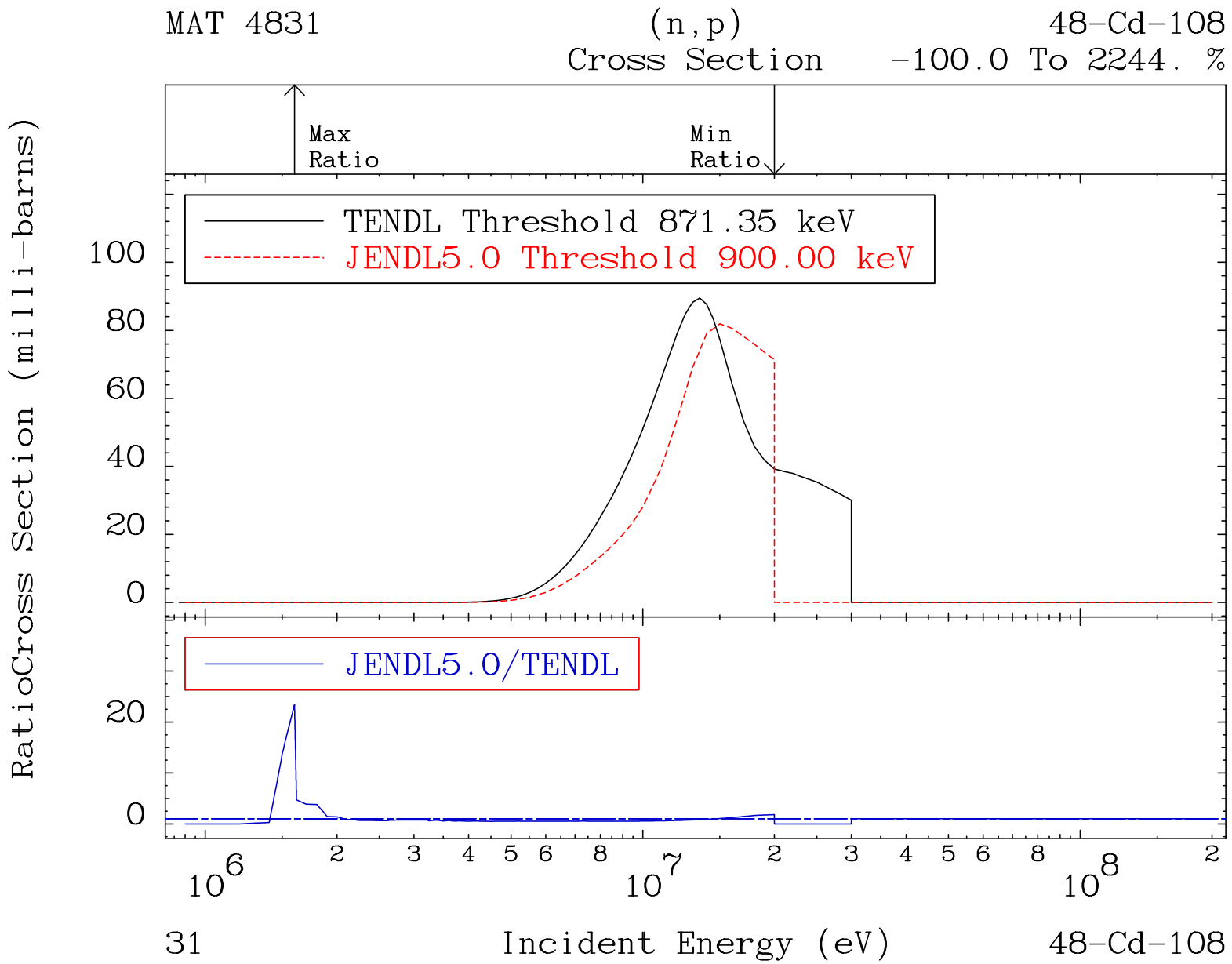

MAT 4831
MT= 67 (n,n') Level
48-Cd-108
Cross Section -100.0 To 254.6 %
Max
Ratio
TENDL Threshold 2.6259 MeV
JENDL5.0 Threshold 2.6445 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
4
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
26
Incident Energy (eV)
48-Cd-108

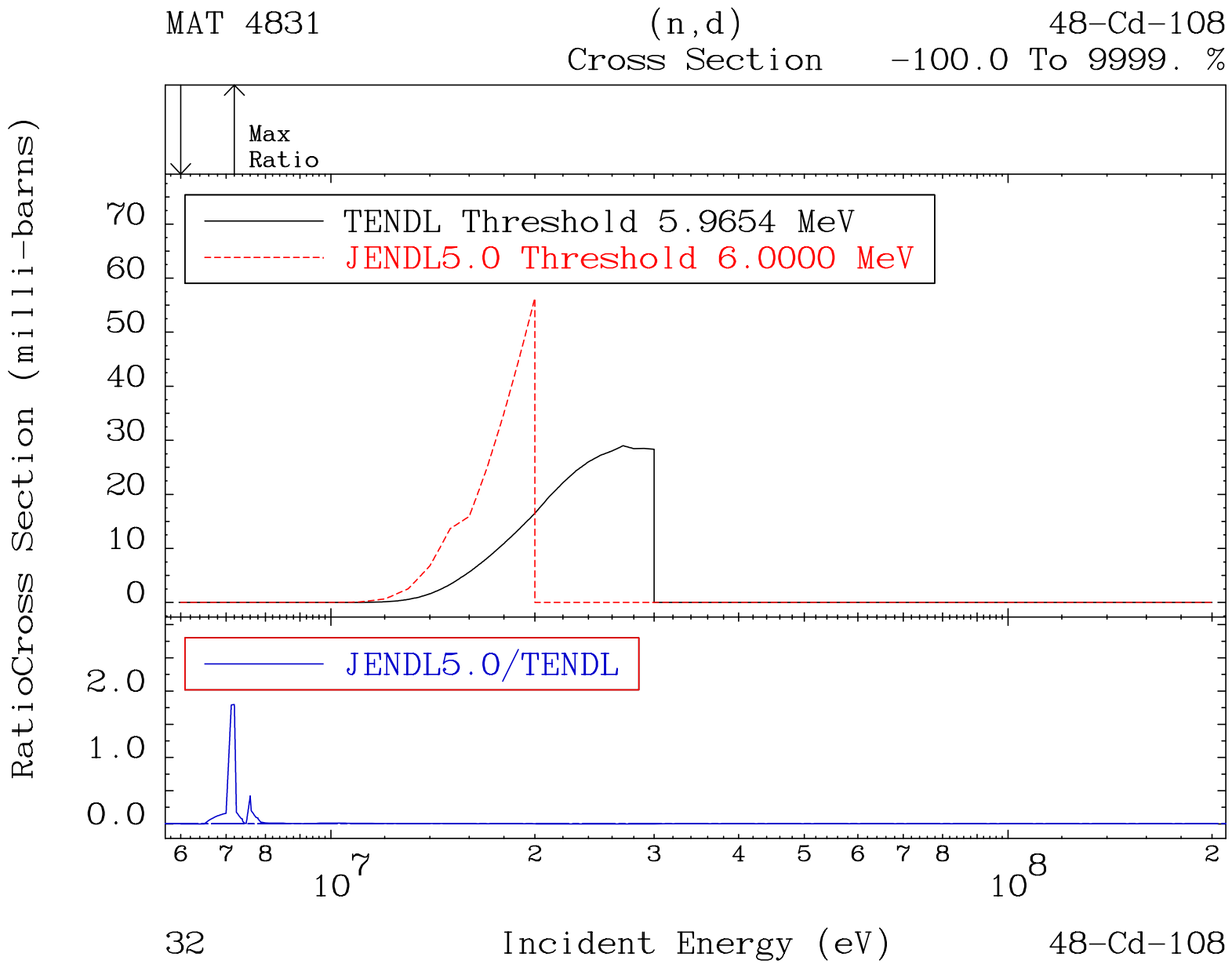

MAT 4831
MT= 68 (n,n') Level
48-Cd-108
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.6445 MeV
JENDL5.0 Threshold 2.6704 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
27
Incident Energy (eV)
48-Cd-108

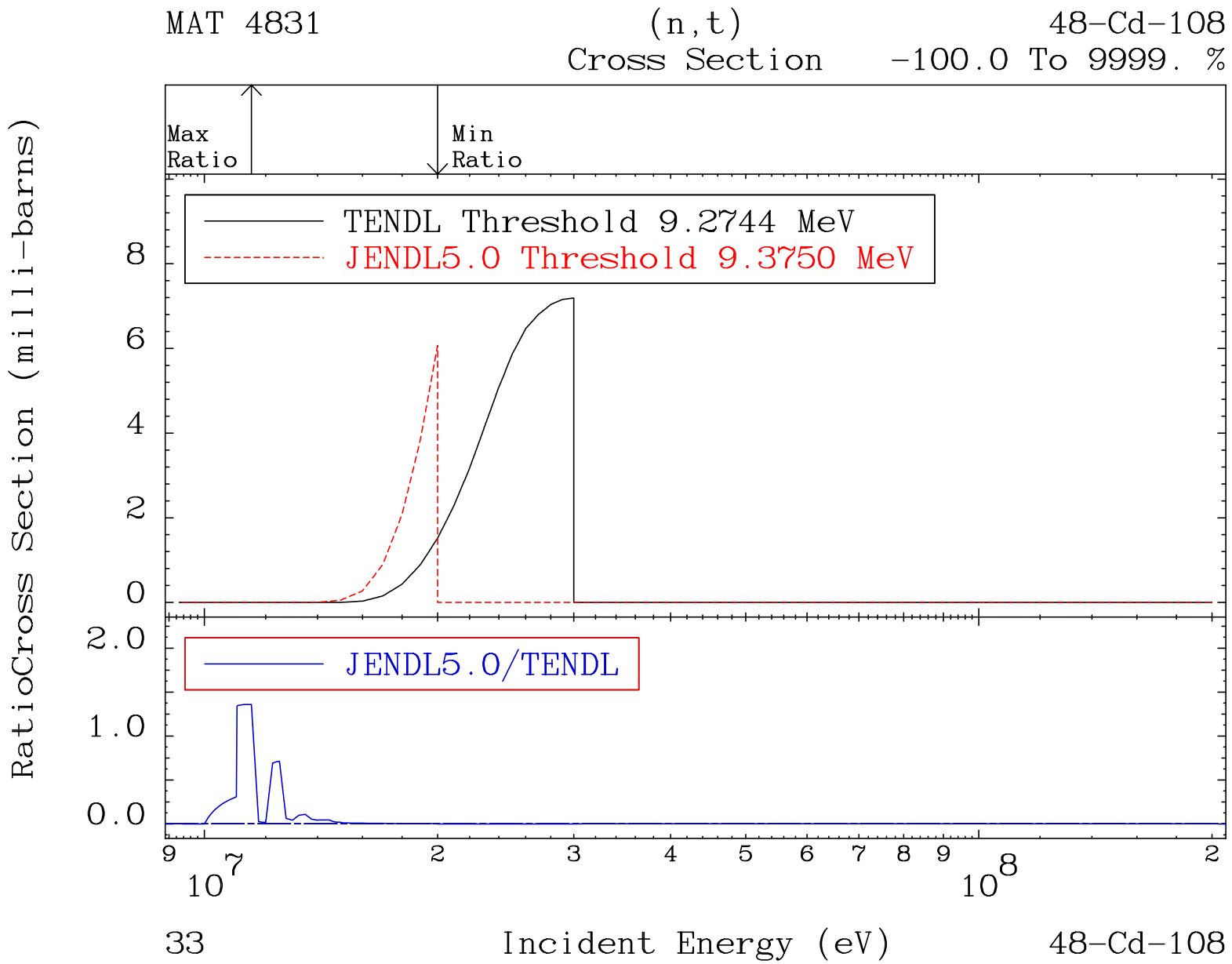

MAT 4831
MT= 69 (n,n') Level
48-Cd-108
Cross Section
-100.0 To 111.2 %
Max
Ratio
TENDL Threshold 2.6704 MeV
JENDL5.0 Threshold 2.7030 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
48-Cd-108

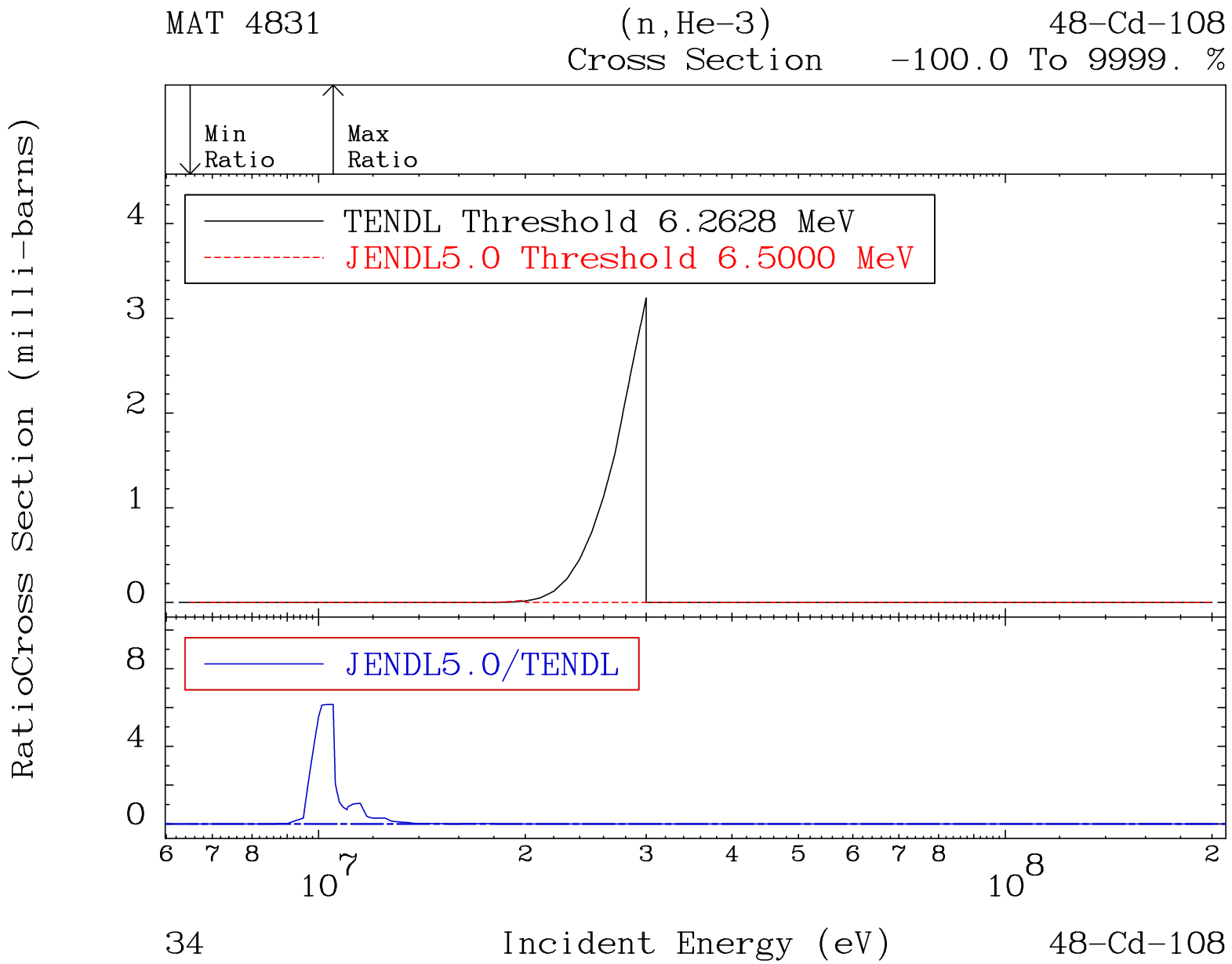

MAT 4831
(n,n') Continuum
Cross Section
48-Cd-108
-100.0 To 320.8 %
Max Ratio
Min Ratio
TENDL Threshold 2.8364 MeV
JENDL5.0 Threshold 2.7131 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
29
48-Cd-108

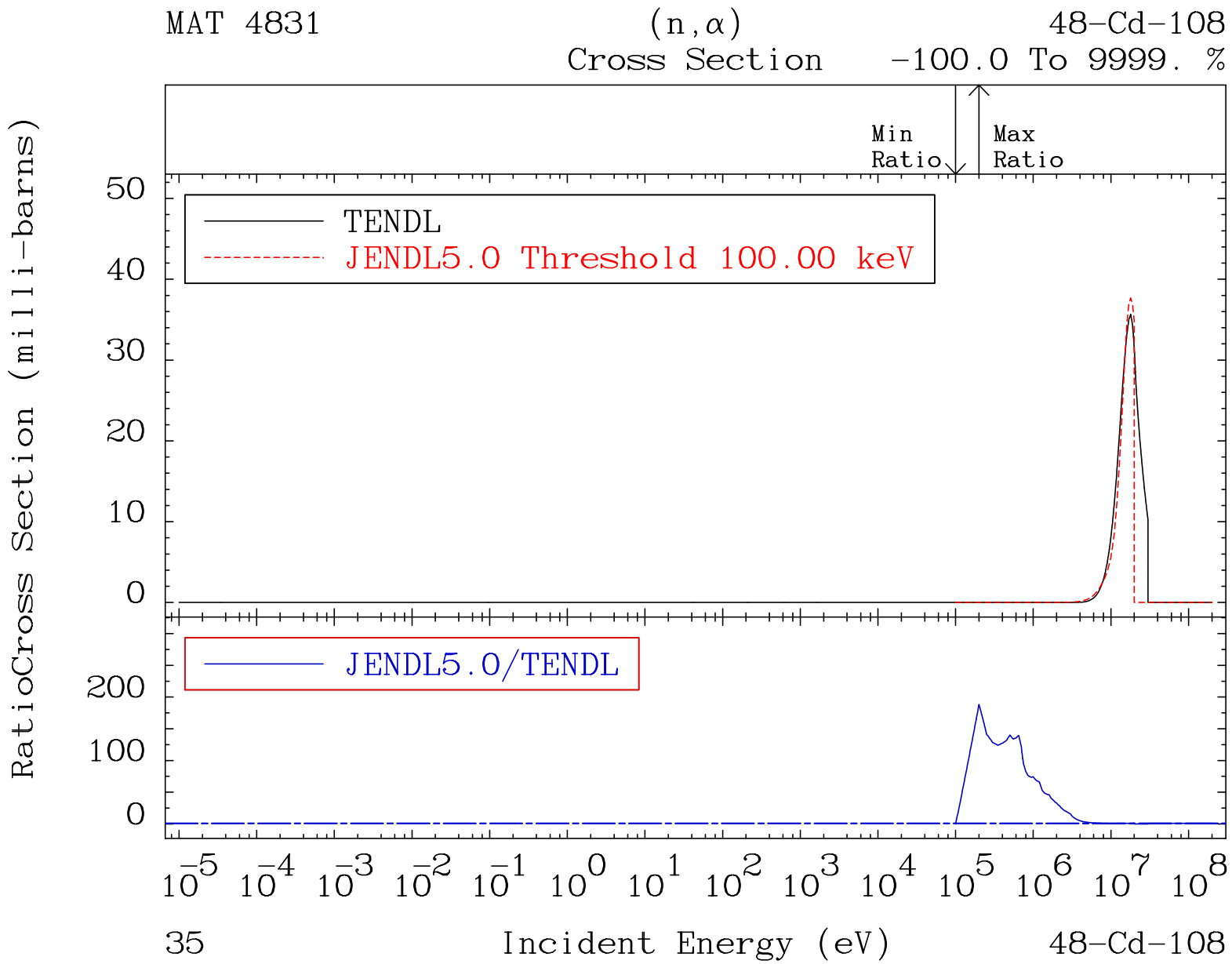

MAT 4831
(n,γ)
Cross Section
48-Cd-108
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^4
10^2
10^0
10^-2
JENDL5.0/TENDL
Ratio
0.8
0.4
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
Incident Energy (eV)
30
48-Cd-108

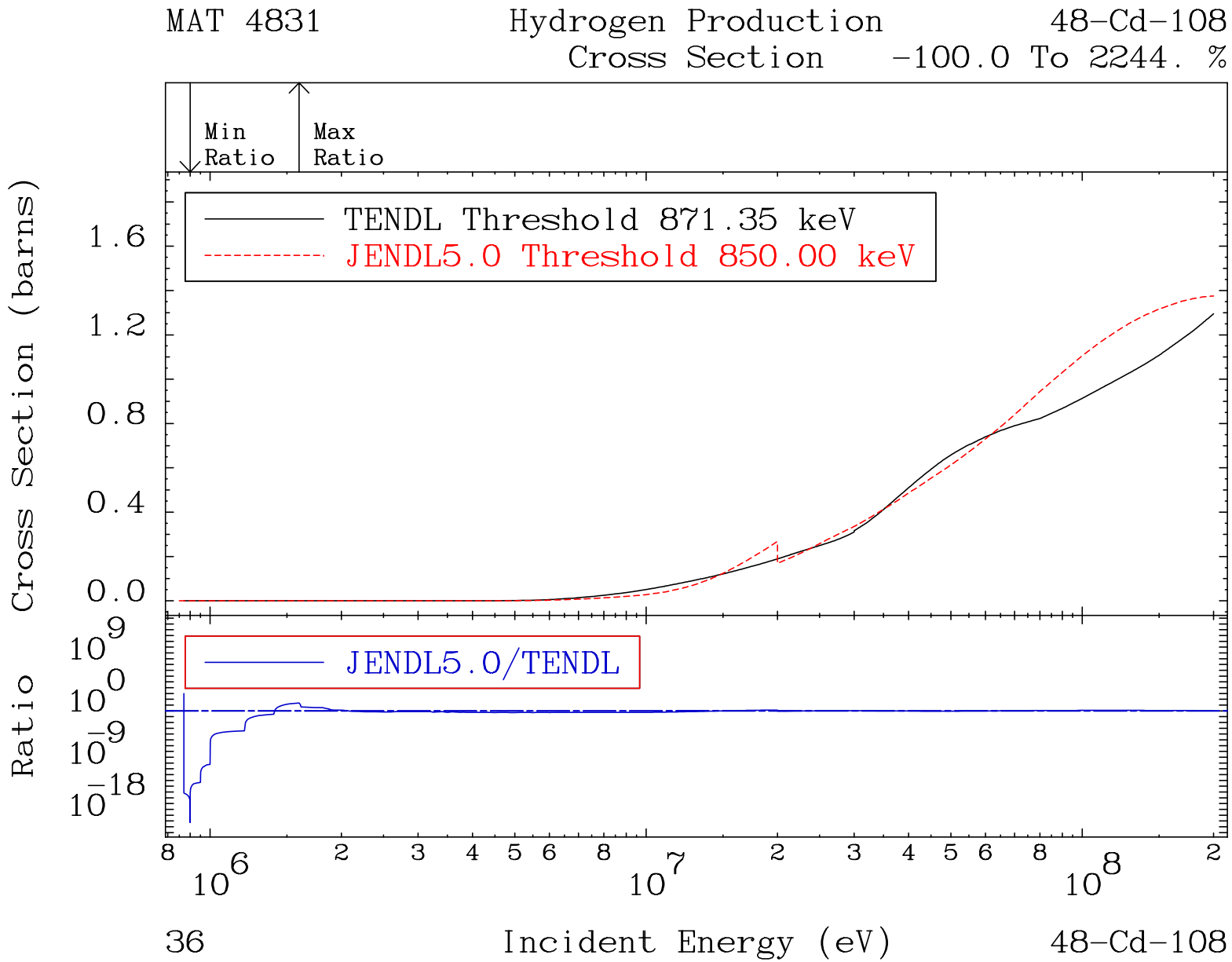

MAT 4831
(n,p)
Cross Section
48-Cd-108
-100.0 To 2244. %
Max Ratio
Min Ratio
TENDL Threshold 871.35 keV
JENDL5.0 Threshold 900.00 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
20
0
10^6
10^7
10^8
2 3 4 5 6 8
31
Incident Energy (eV)
48-Cd-108

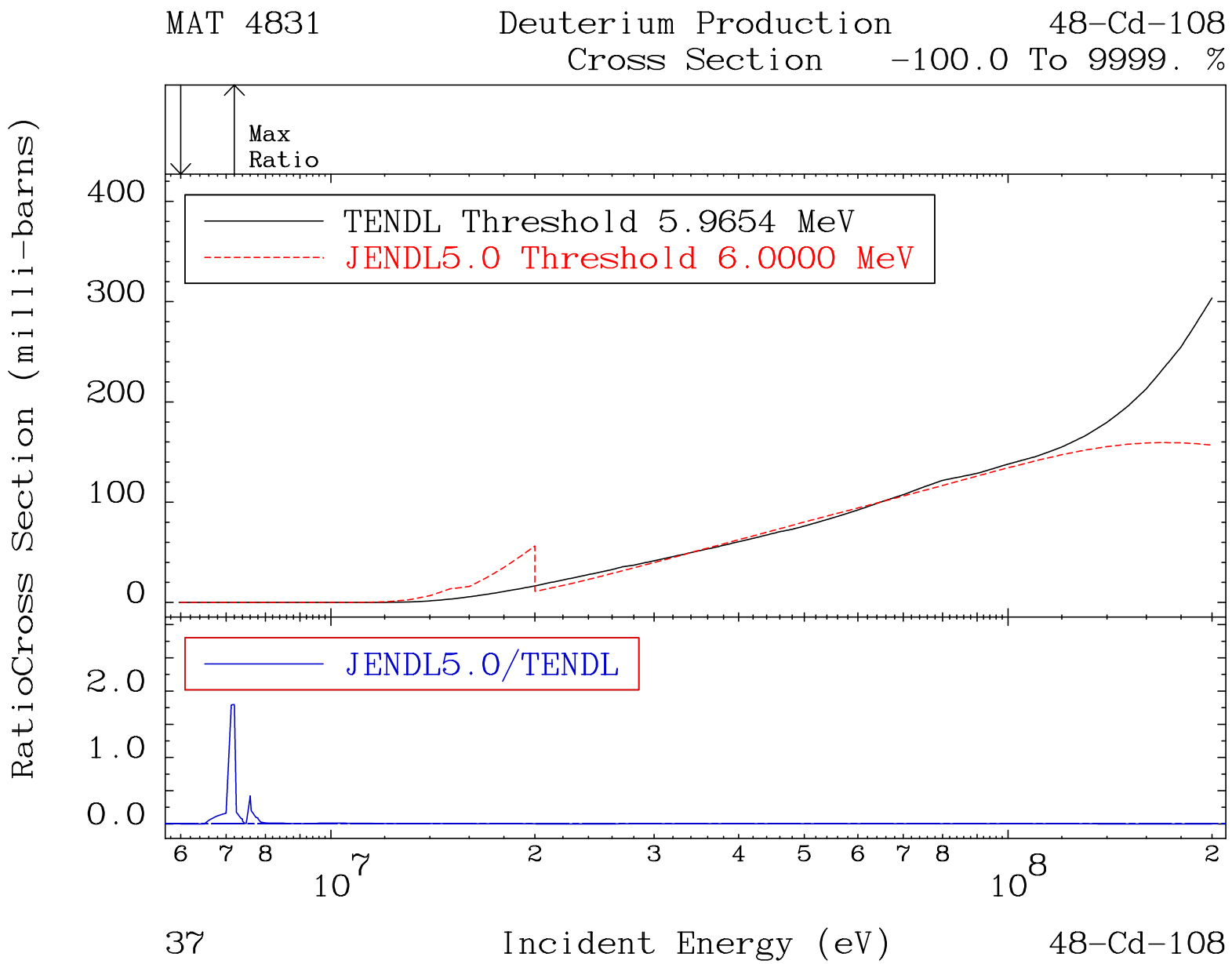

MAT 4831
(n,d)
Cross Section
48-Cd-108
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 5.9654 MeV
JENDL5.0 Threshold 6.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
2.0
1.0
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
48-Cd-108

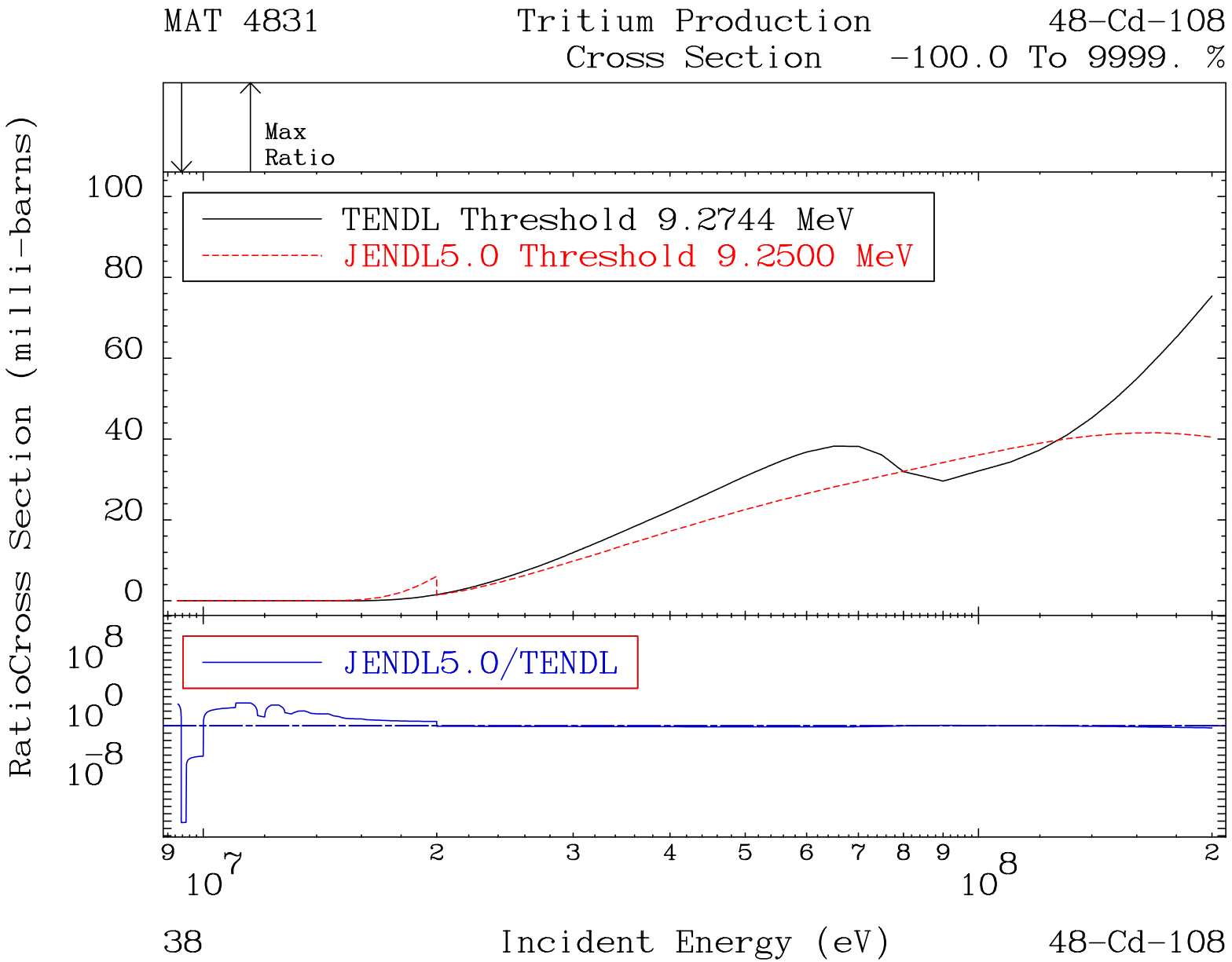

MAT 4831
(n,t)
Cross Section
48-Cd-108
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.2744 MeV
JENDL5.0 Threshold 9.3750 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
33
48-Cd-108

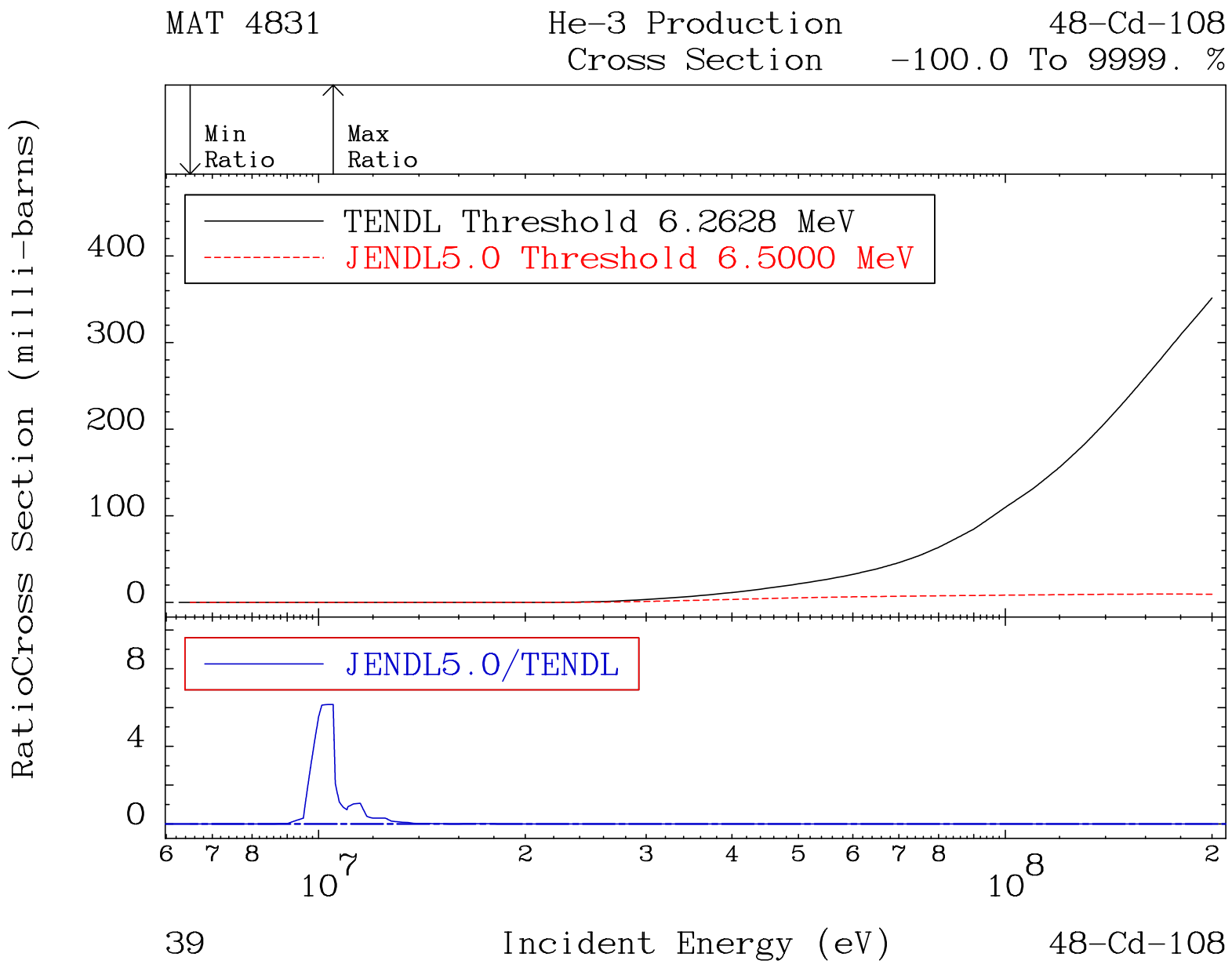

MAT 4831
(n,He-3)
Cross Section
48-Cd-108
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.2628 MeV
JENDL5.0 Threshold 6.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
34
48-Cd-108

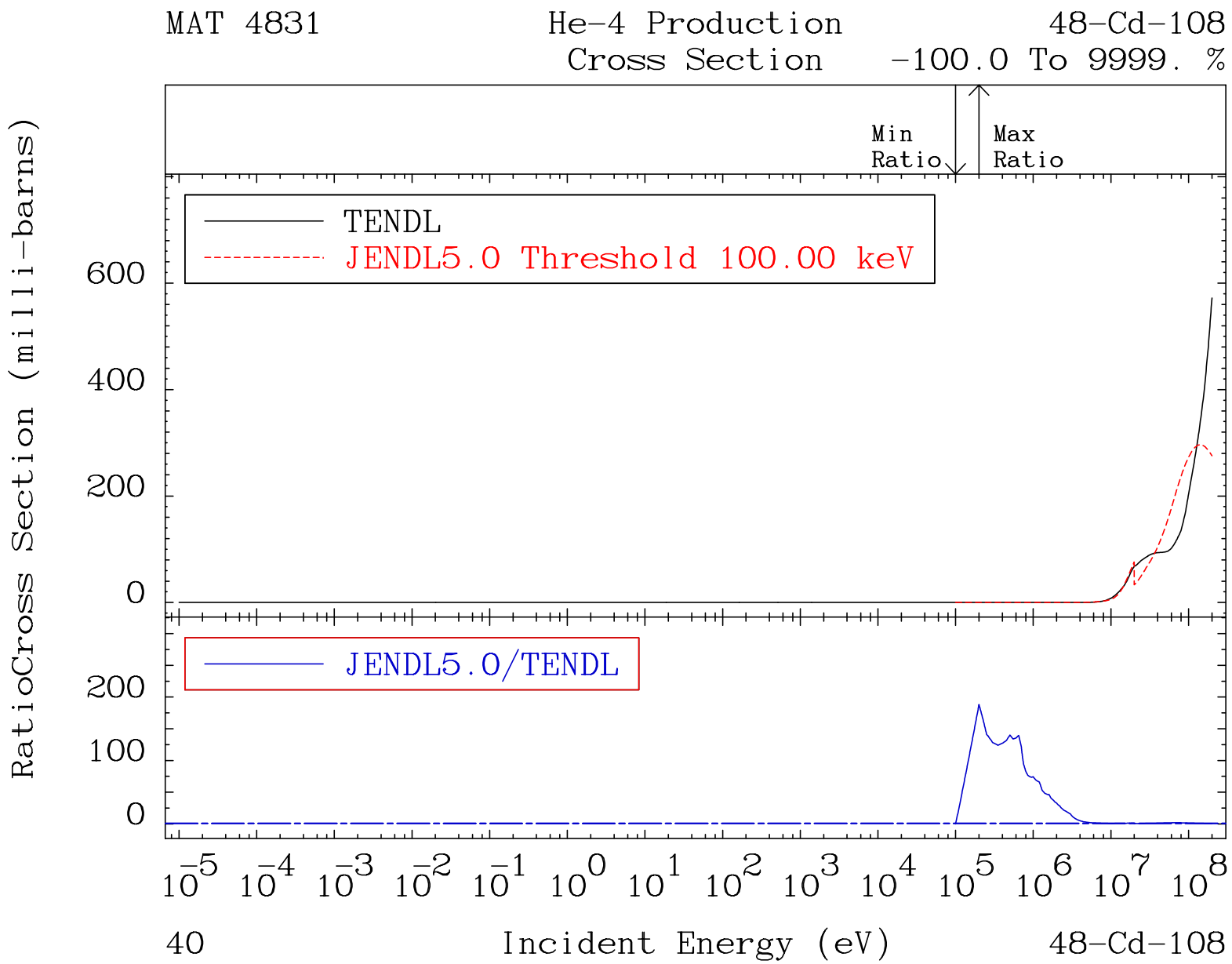

MAT 4831
(n,α)
48-Cd-108
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 100.00 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
200
100
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
35
Incident Energy (eV)
48-Cd-108

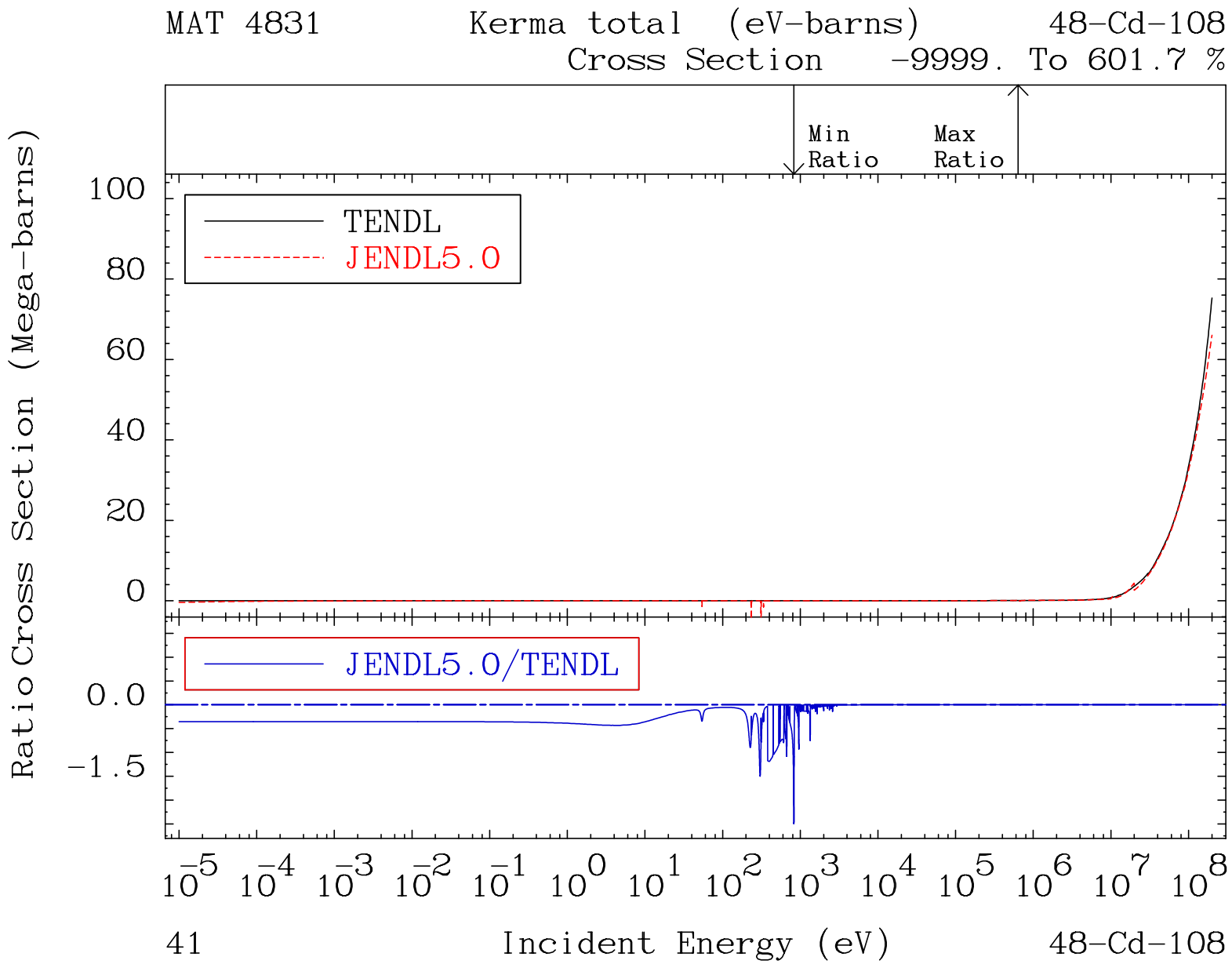

MAT 4831
Hydrogen Production
48-Cd-108
Cross Section
-100.0 To 2244. %
Min Ratio
Max Ratio
TENDL Threshold 871.35 keV
JENDL5.0 Threshold 850.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
10^9
10^0
10^-9
10^-18
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
36
Incident Energy (eV)
48-Cd-108

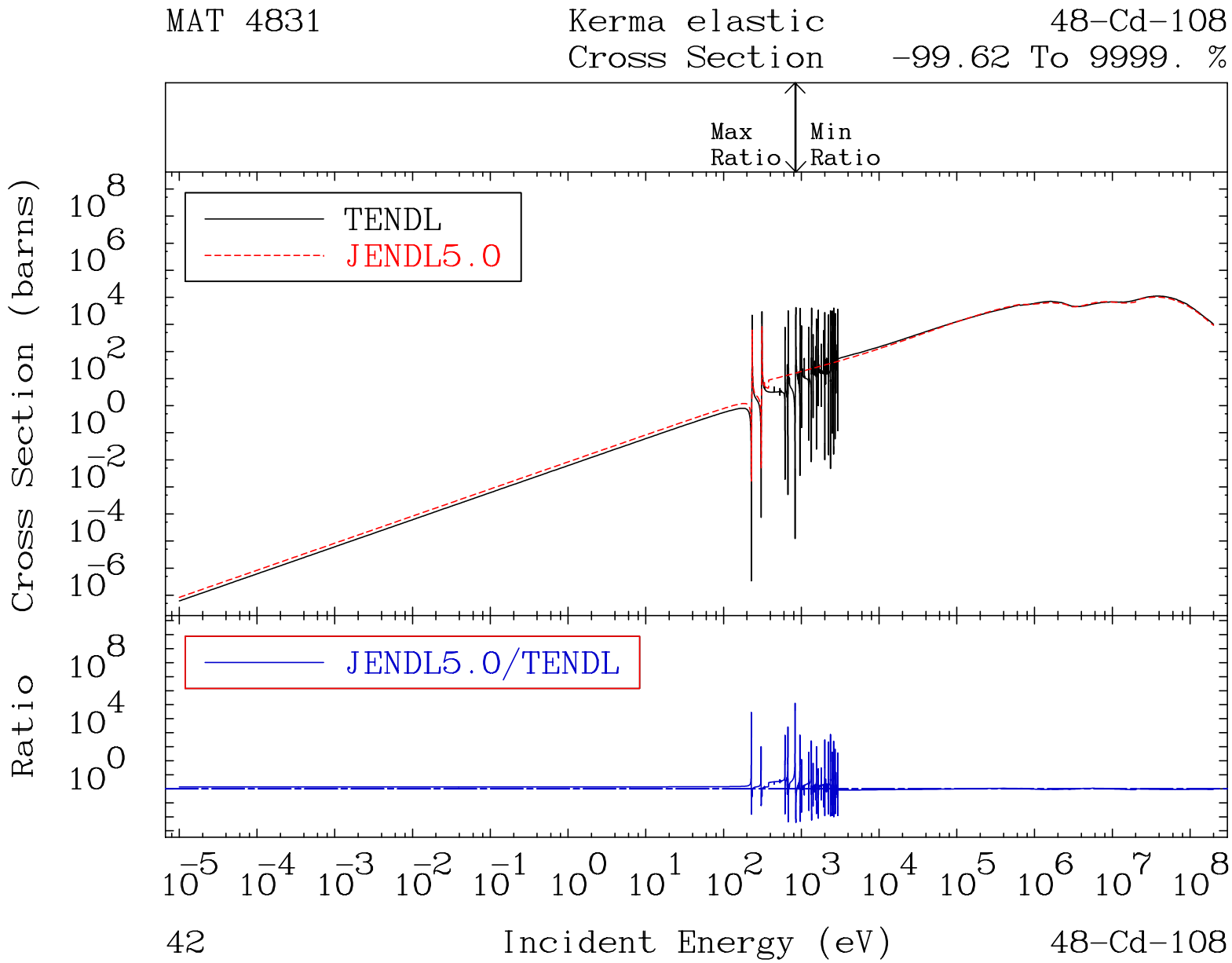

MAT 4831
Deuterium Production
48-Cd-108
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 5.9654 MeV
JENDL5.0 Threshold 6.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
2.0
1.0
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
37
Incident Energy (eV)
48-Cd-108

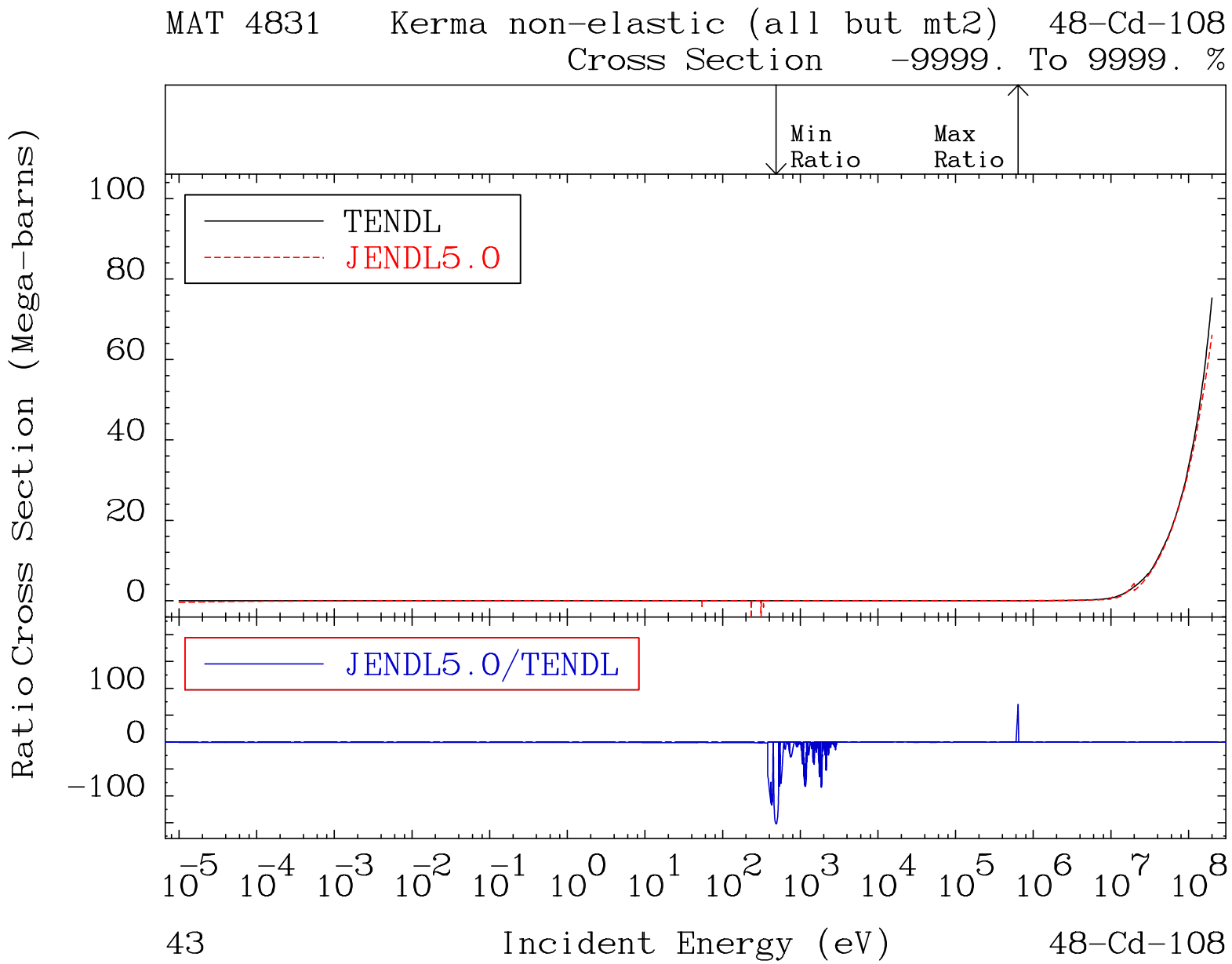

MAT 4831
Tritium Production
48-Cd-108
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 9.2744 MeV
JENDL5.0 Threshold 9.2500 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
10^8
10^0
10^-8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
38
Incident Energy (eV)
48-Cd-108

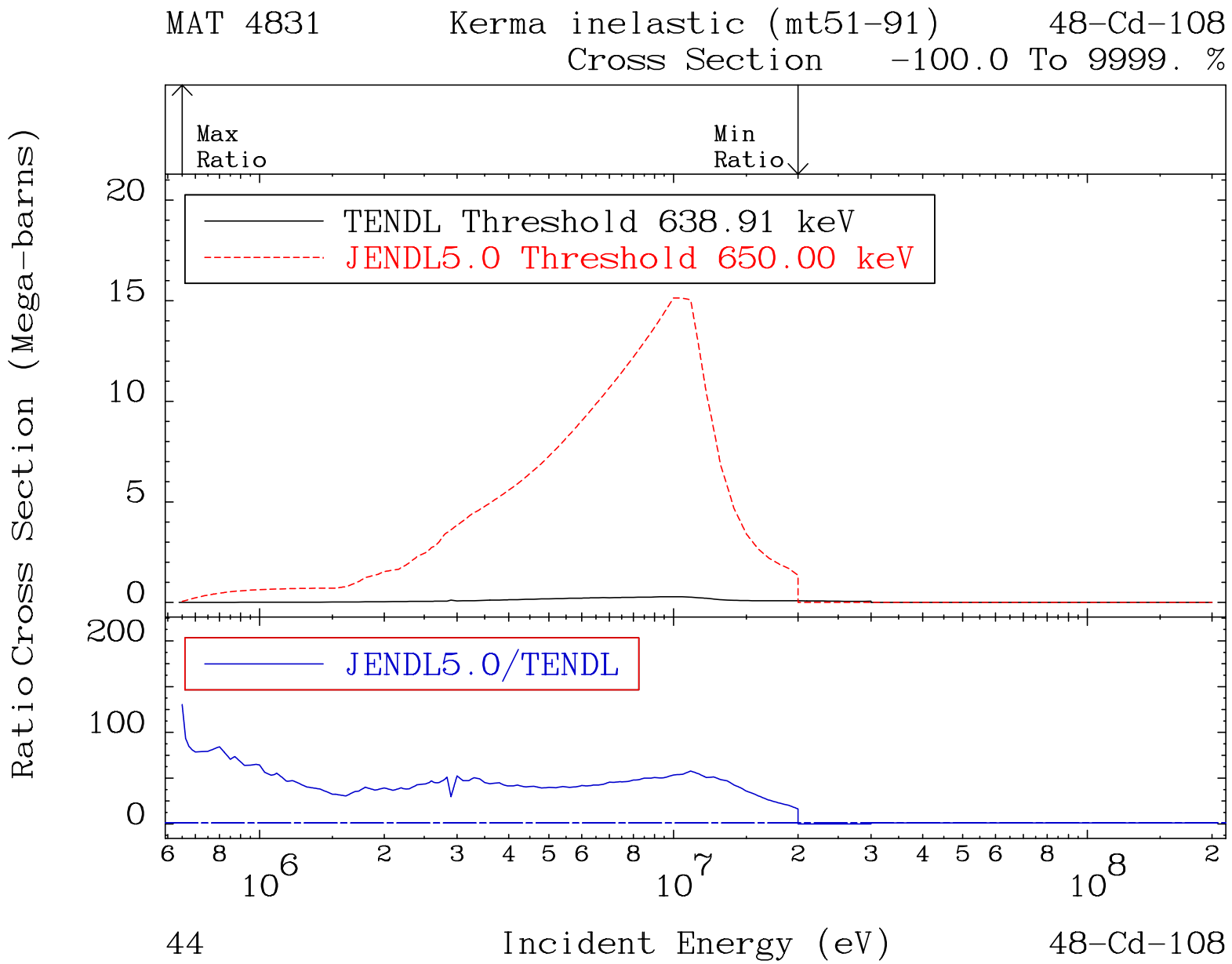

MAT 4831
He-3 Production
Cross Section
48-Cd-108
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.2628 MeV
JENDL5.0 Threshold 6.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
8
4
0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
39
Incident Energy (eV)
48-Cd-108

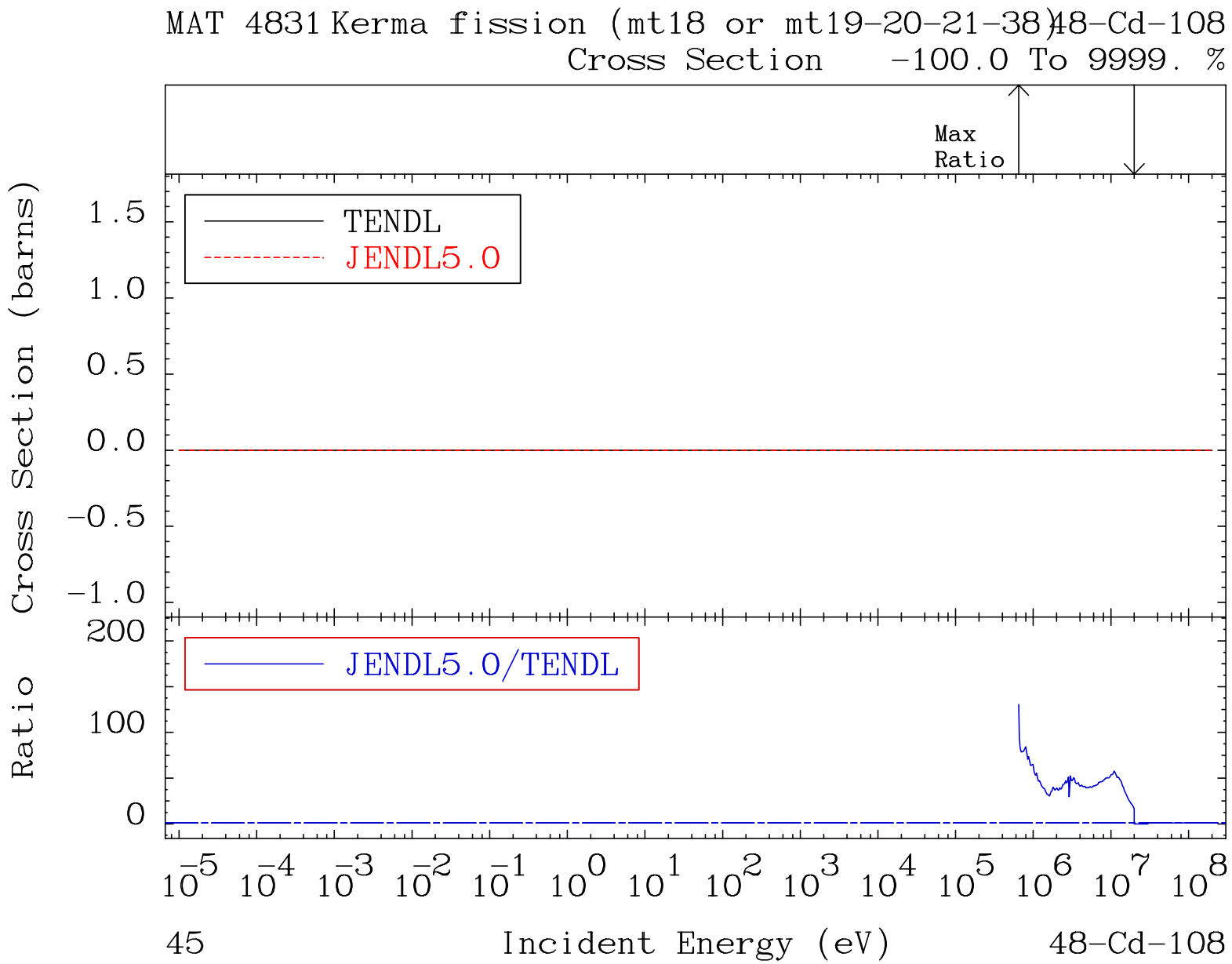

MAT 4831
He-4 Production
Cross Section
48-Cd-108
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 100.00 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
600
400
200
0
200
100
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
40
Incident Energy (eV)
48-Cd-108

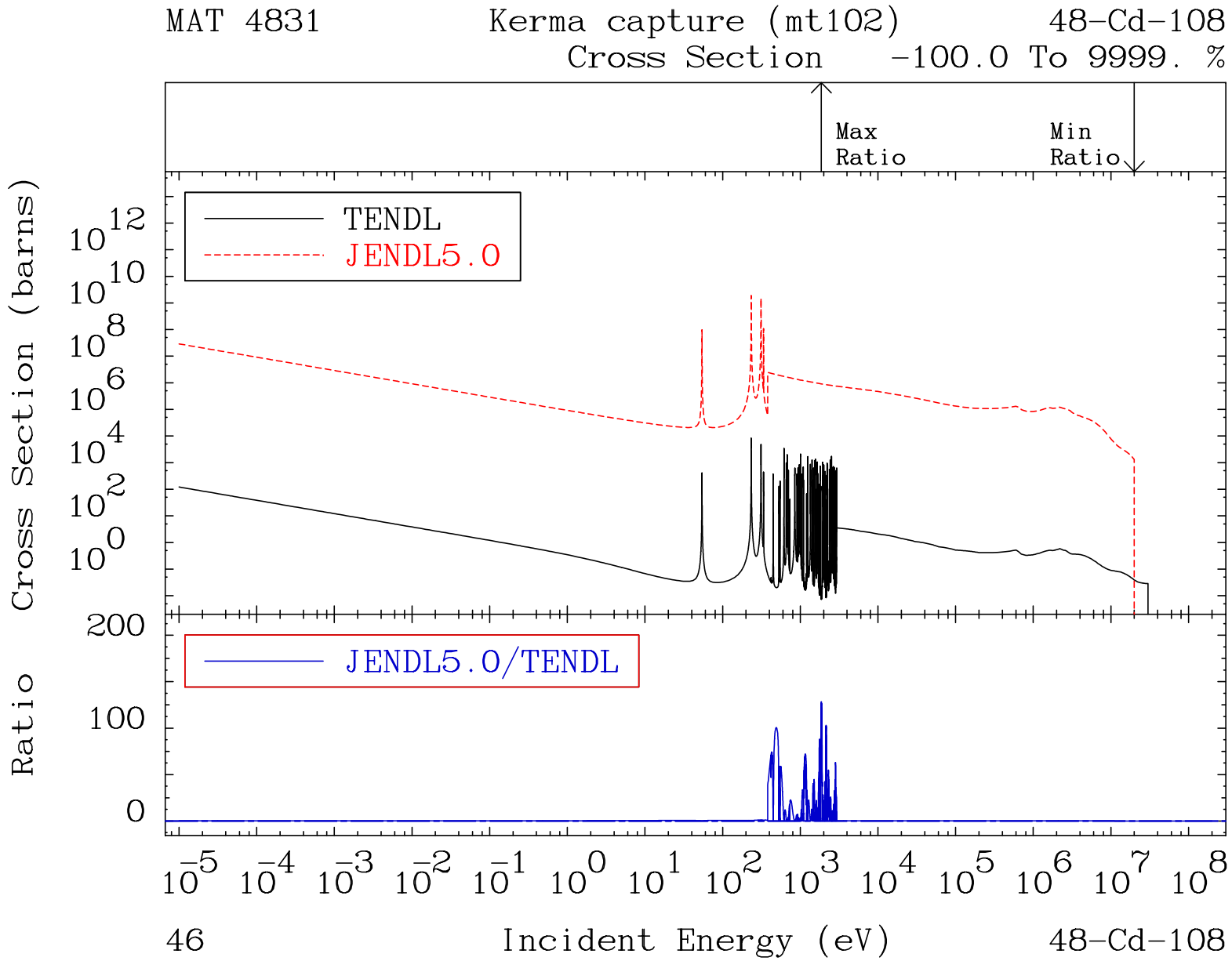

MAT 4831
Kerma total (eV-barns)
48-Cd-108
Cross Section -9999. To 601.7 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Ratio Cross Section (Mega-barns)
100
80
60
40
20
0
0.0
-1.5
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
41
Incident Energy (eV)
48-Cd-108

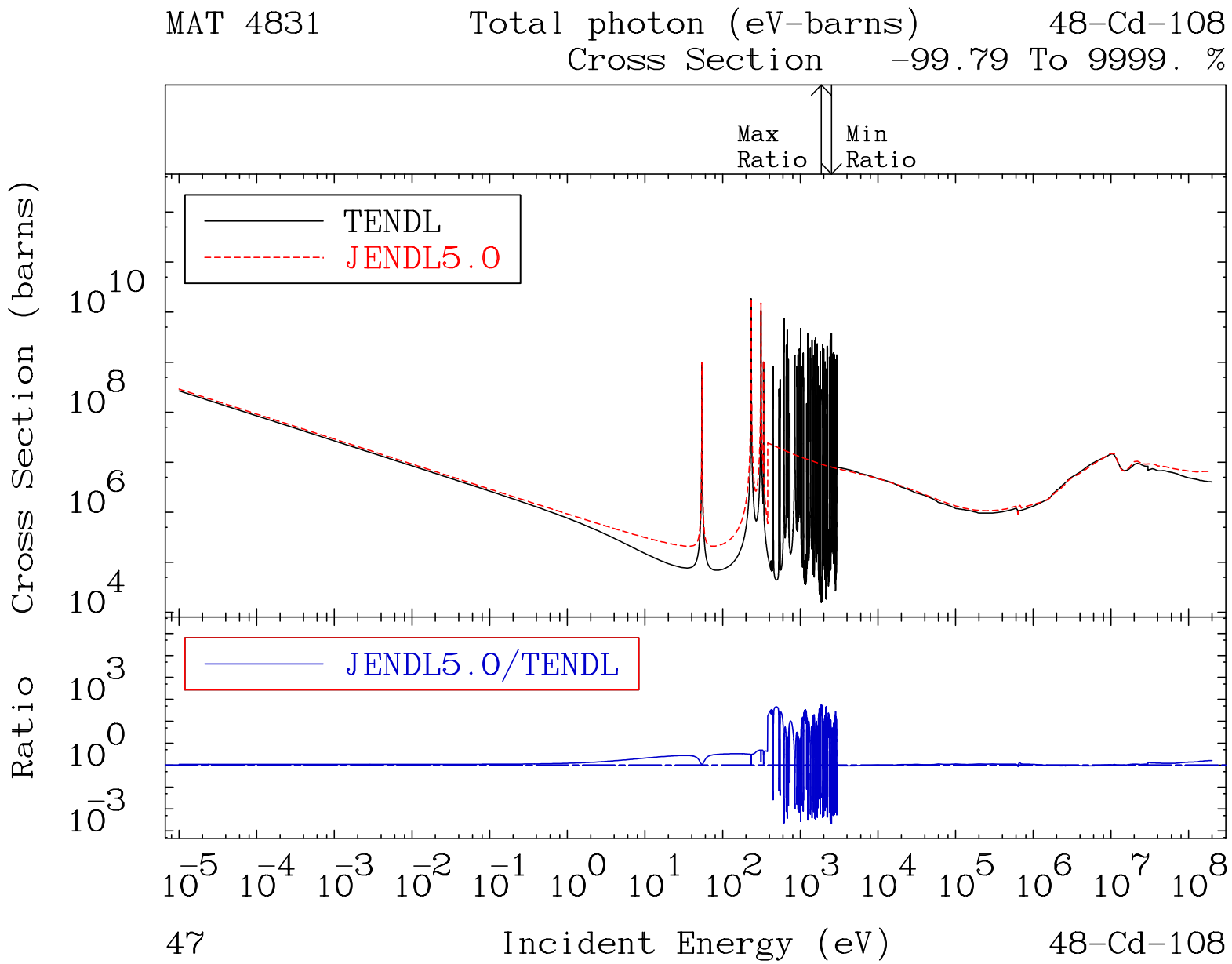

MAT 4831
Kerma elastic
Cross Section
48-Cd-108
-99.62 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
42
48-Cd-108

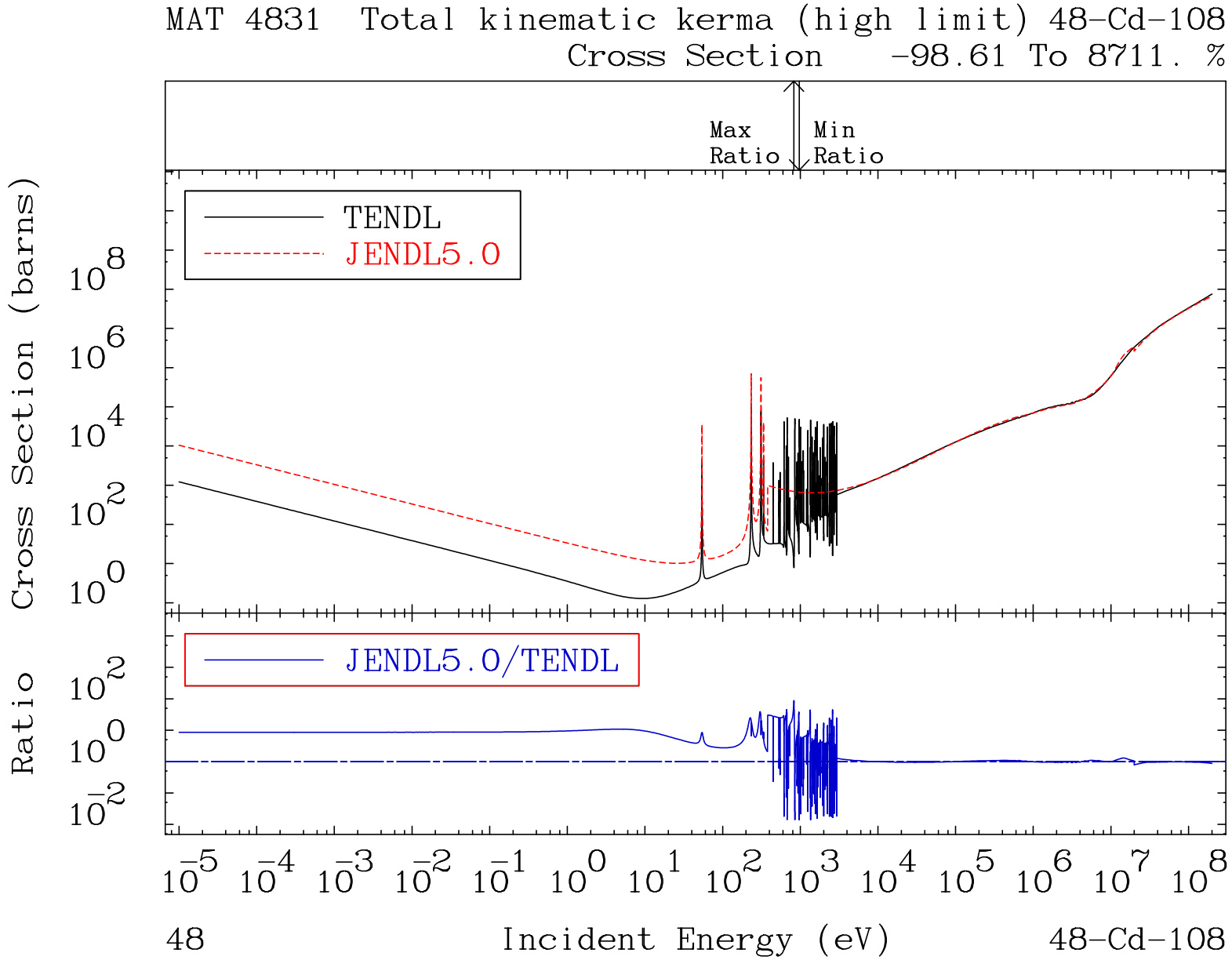

MAT 4831 Kerma non-elastic (all but mt2) 48-Cd-108
Cross Section -9999. To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Ratio Cross Section (Mega-barns)
100
80
60
40
20
0
100
0
-100
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
43
Incident Energy (eV)
48-Cd-108

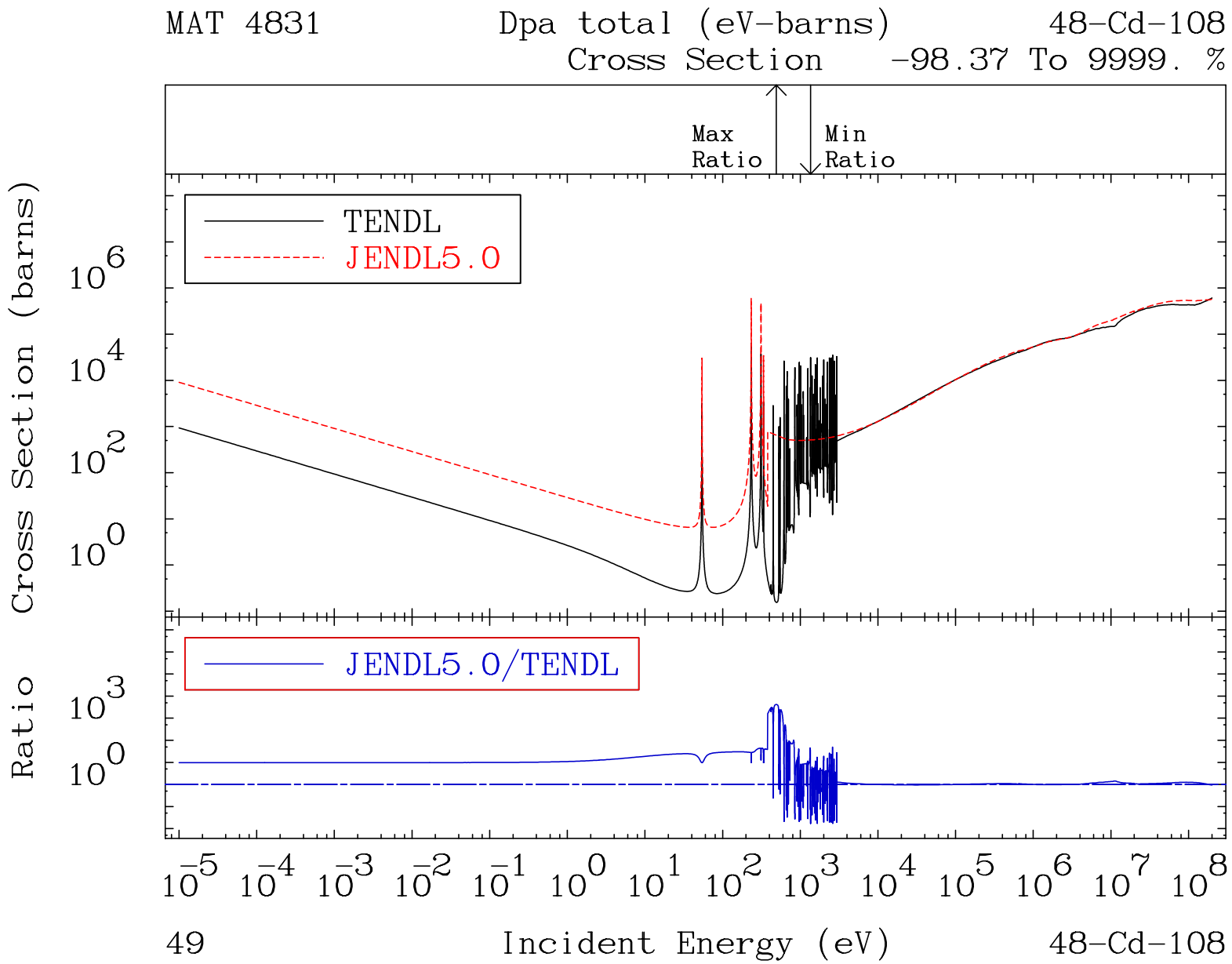

MAT 4831
Kerma inelastic (mt51-91)
48-Cd-108
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 638.91 keV
JENDL5.0 Threshold 650.00 keV
JENDL5.0/TENDL
Ratio Cross Section (Mega-barns)
Incident Energy (eV)
44
48-Cd-108

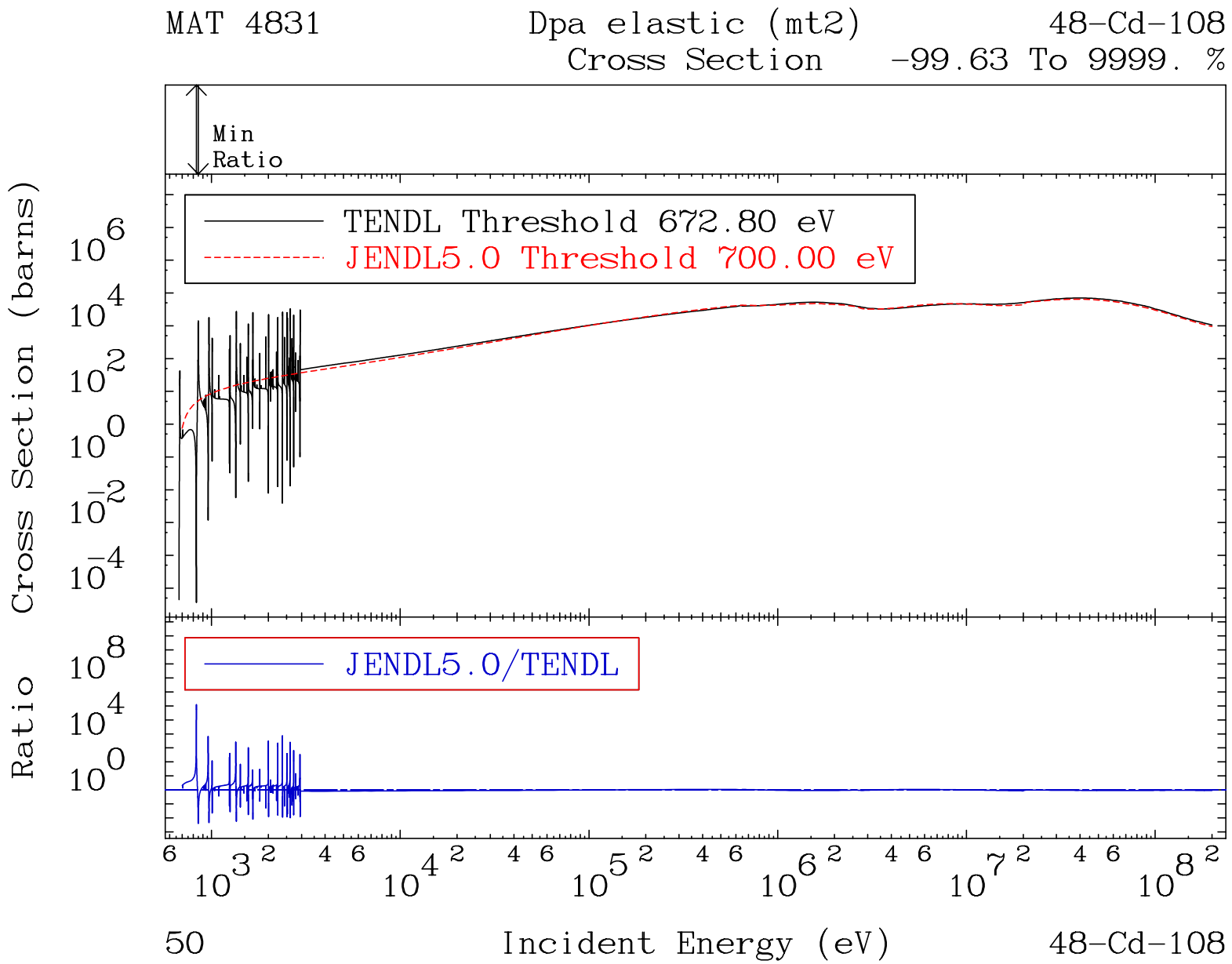

MAT 4831 Kerma fission (mt18 or mt19-20-21-38) 48-Cd-108
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
200
100
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
45
Incident Energy (eV)
48-Cd-108

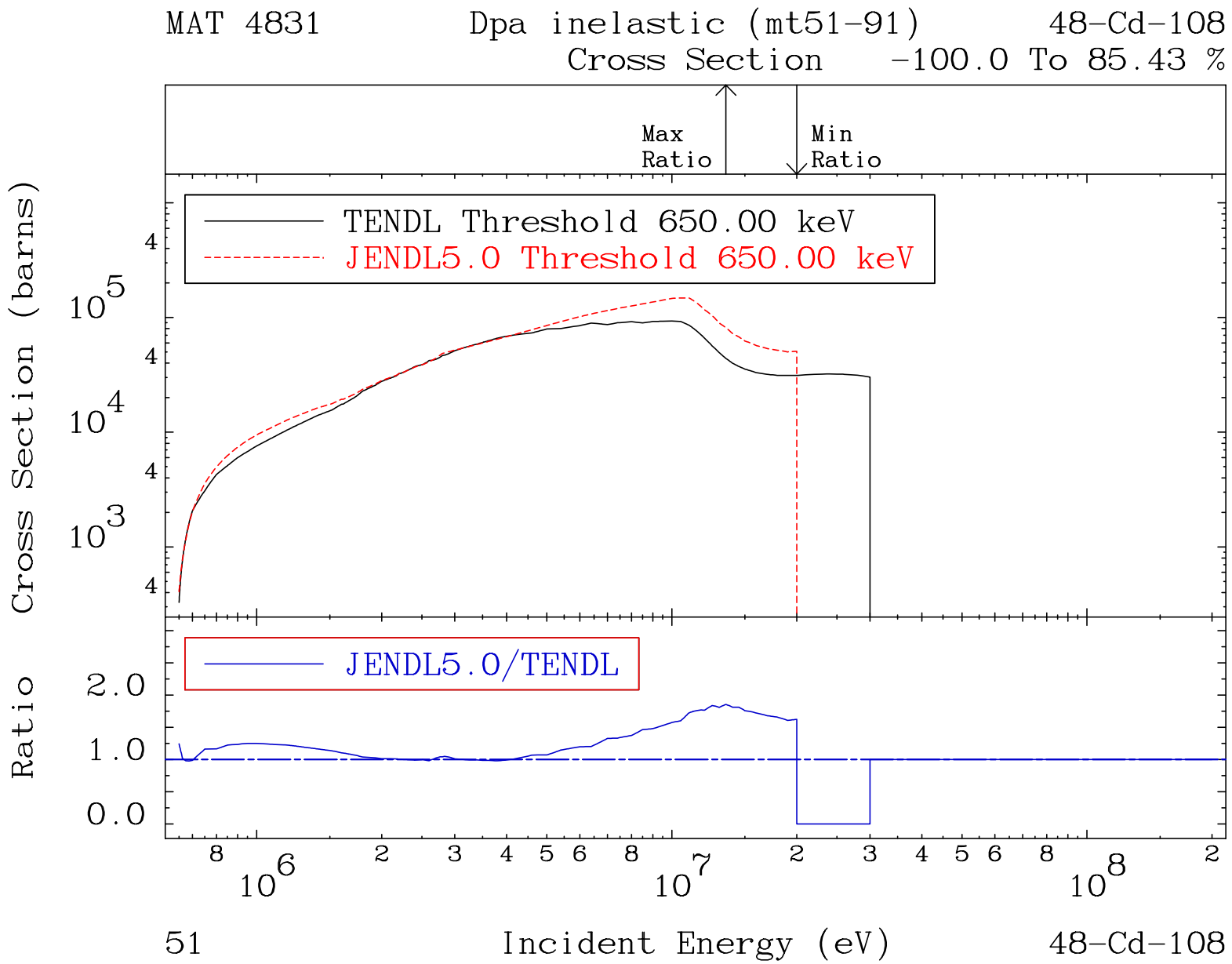

MAT 4831
Kerma capture (mt102)
48-Cd-108
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
48-Cd-108

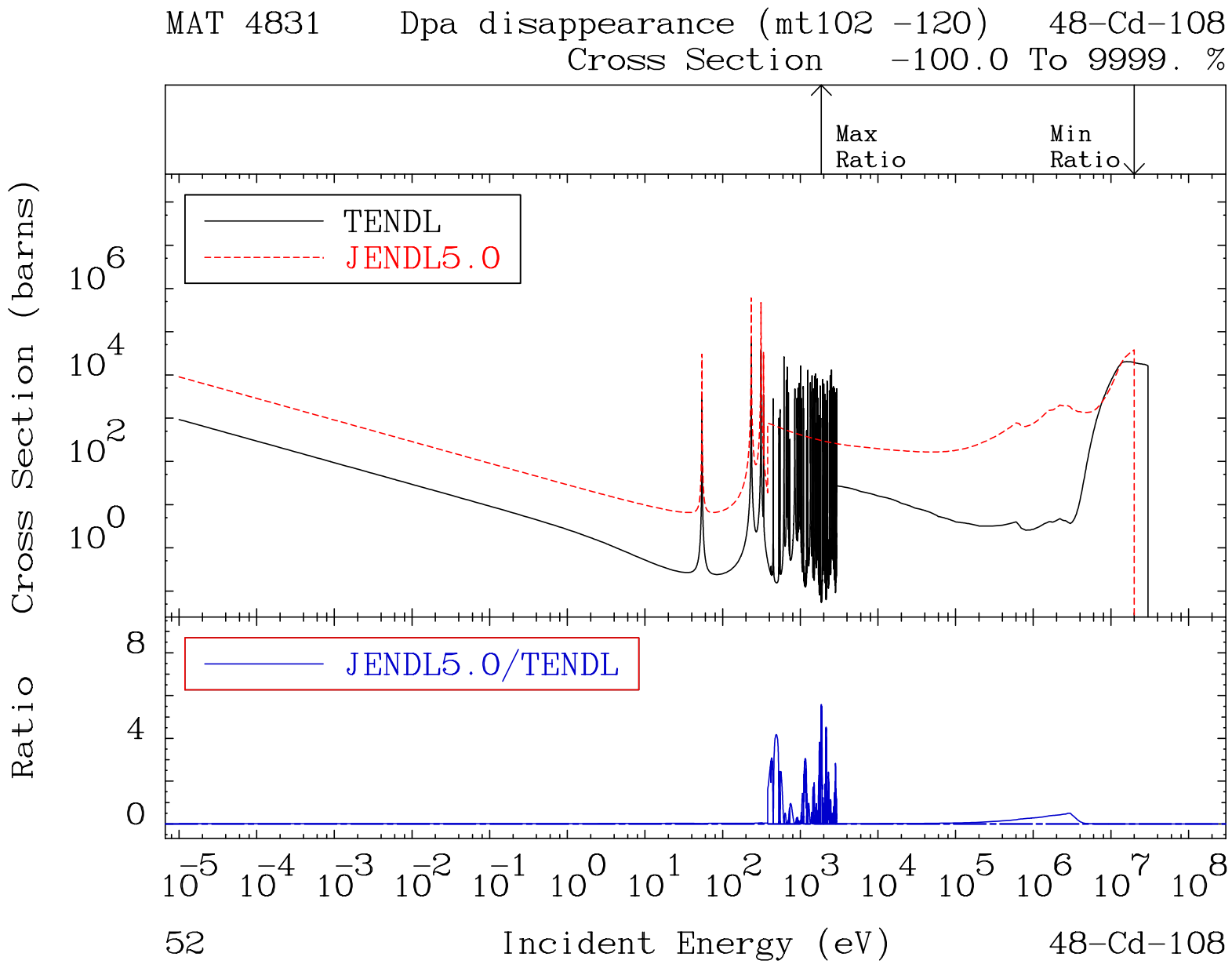

MAT 4831
Total photon (eV-barns)
48-Cd-108
Cross Section -99.79 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
47
48-Cd-108

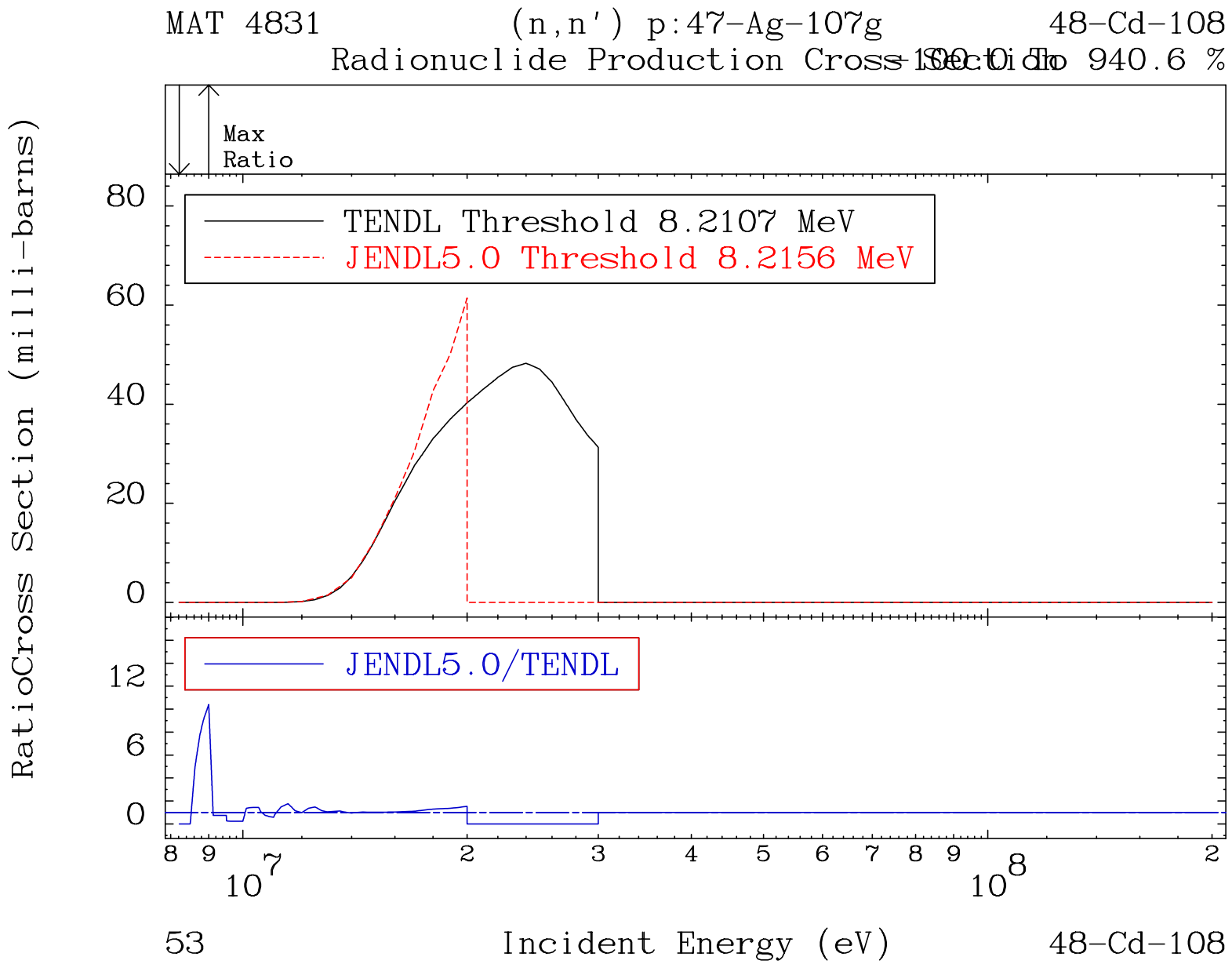

MAT 4831 Total kinematic kerma (high limit) 48-Cd-108
Cross Section -98.61 To 8711. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
48
48-Cd-108

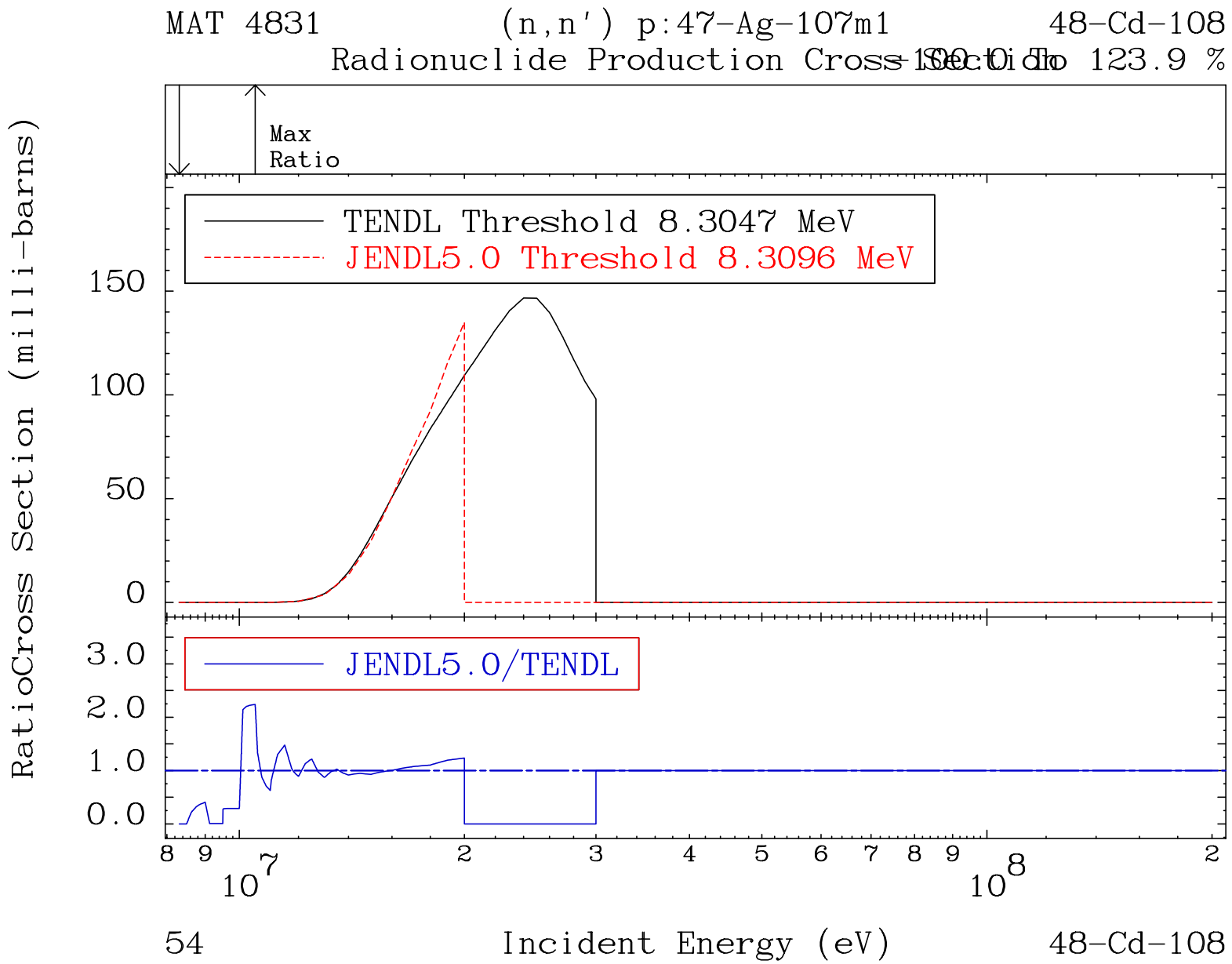

MAT 4831
Dpa total (eV-barns)
48-Cd-108
Cross Section -98.37 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
49
48-Cd-108

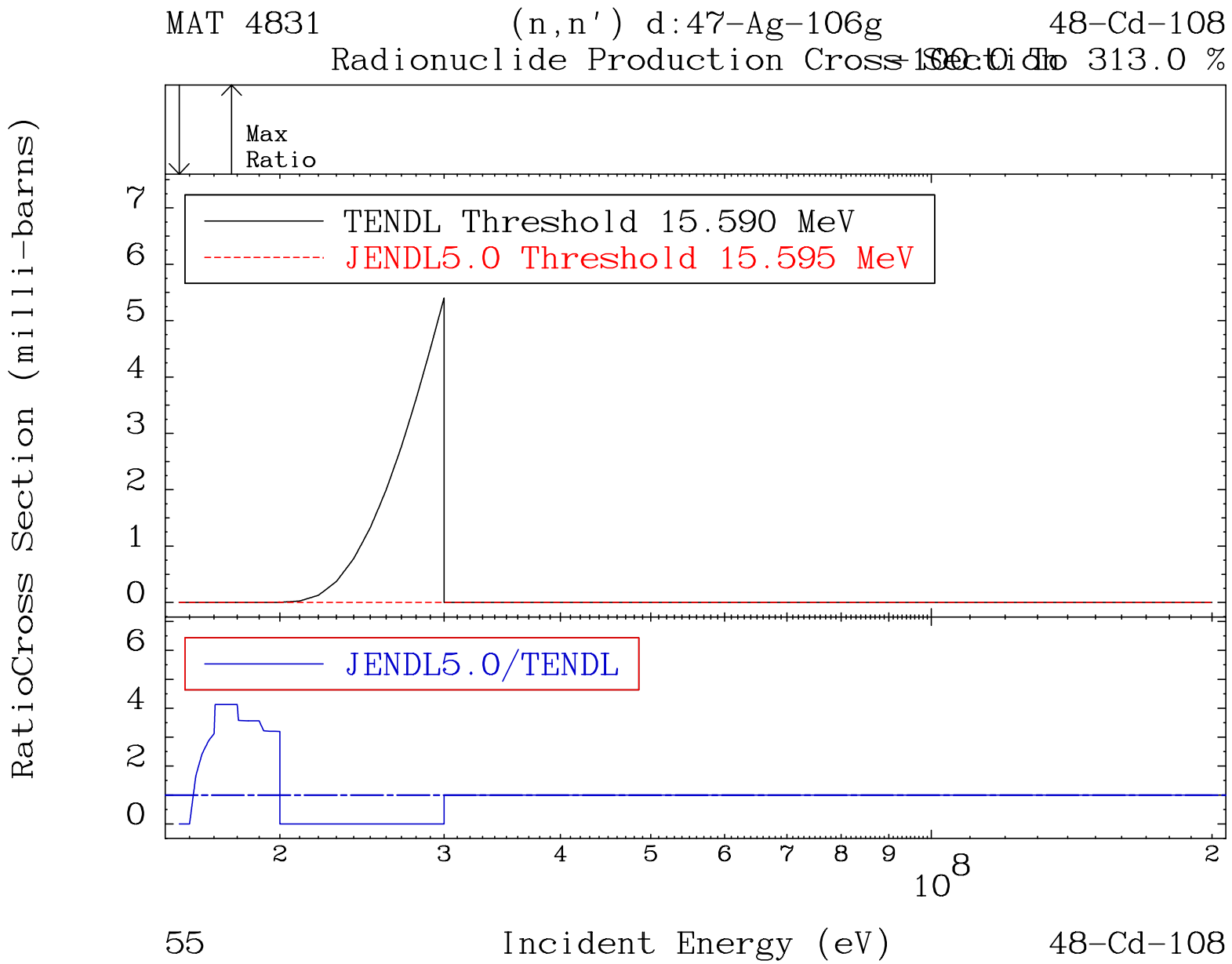

MAT 4831
Dpa elastic (mt2)
Cross Section
48-Cd-108
-99.63 To 9999. %
Min
Ratio
TENDL Threshold 672.80 eV
JENDL5.0 Threshold 700.00 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
50
48-Cd-108

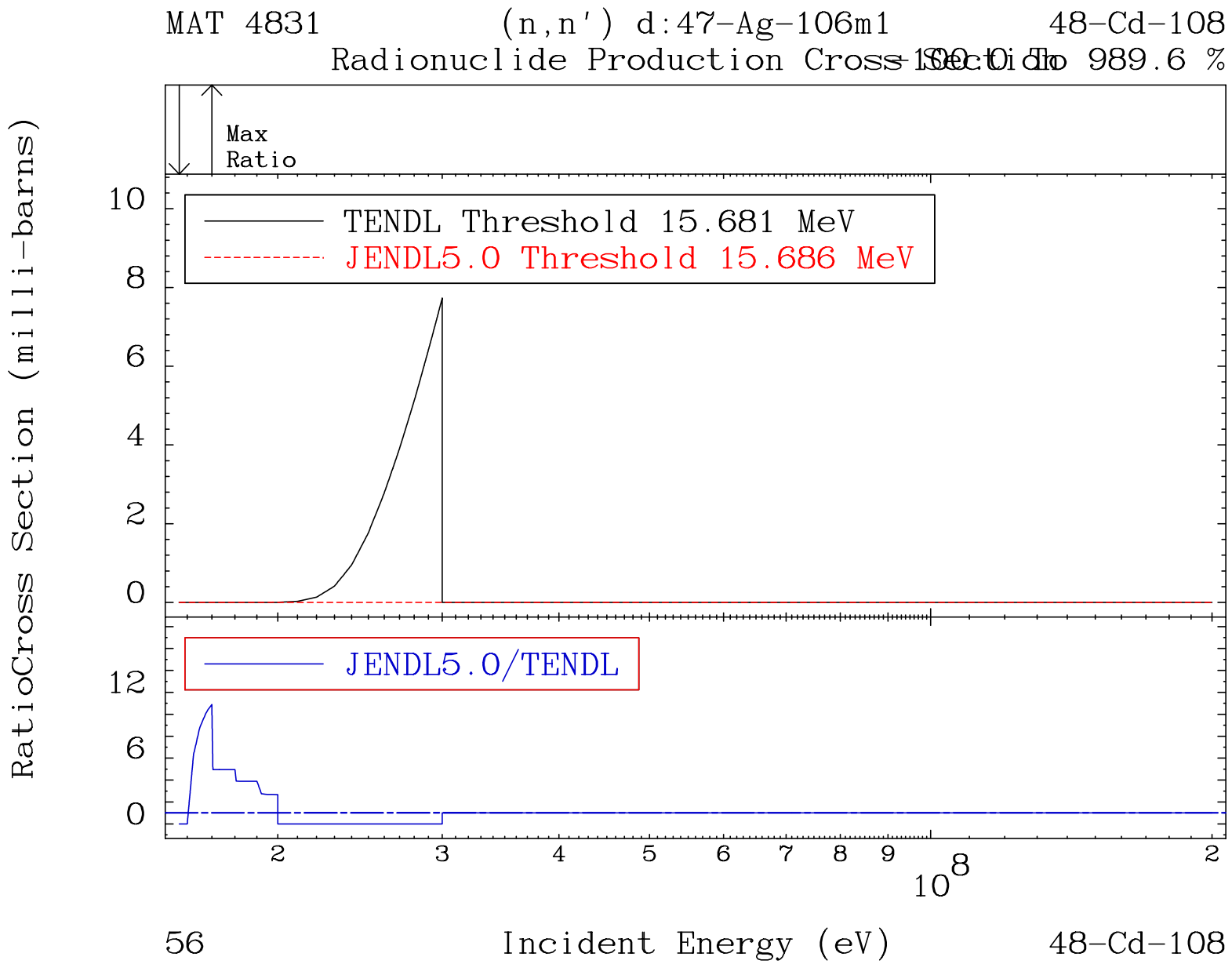

MAT 4831
Dpa inelastic (mt51-91)
48-Cd-108
Cross Section
-100.0 To 85.43 %
Max Ratio
Min Ratio
TENDL Threshold 650.00 keV
JENDL5.0 Threshold 650.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
51
Incident Energy (eV)
48-Cd-108

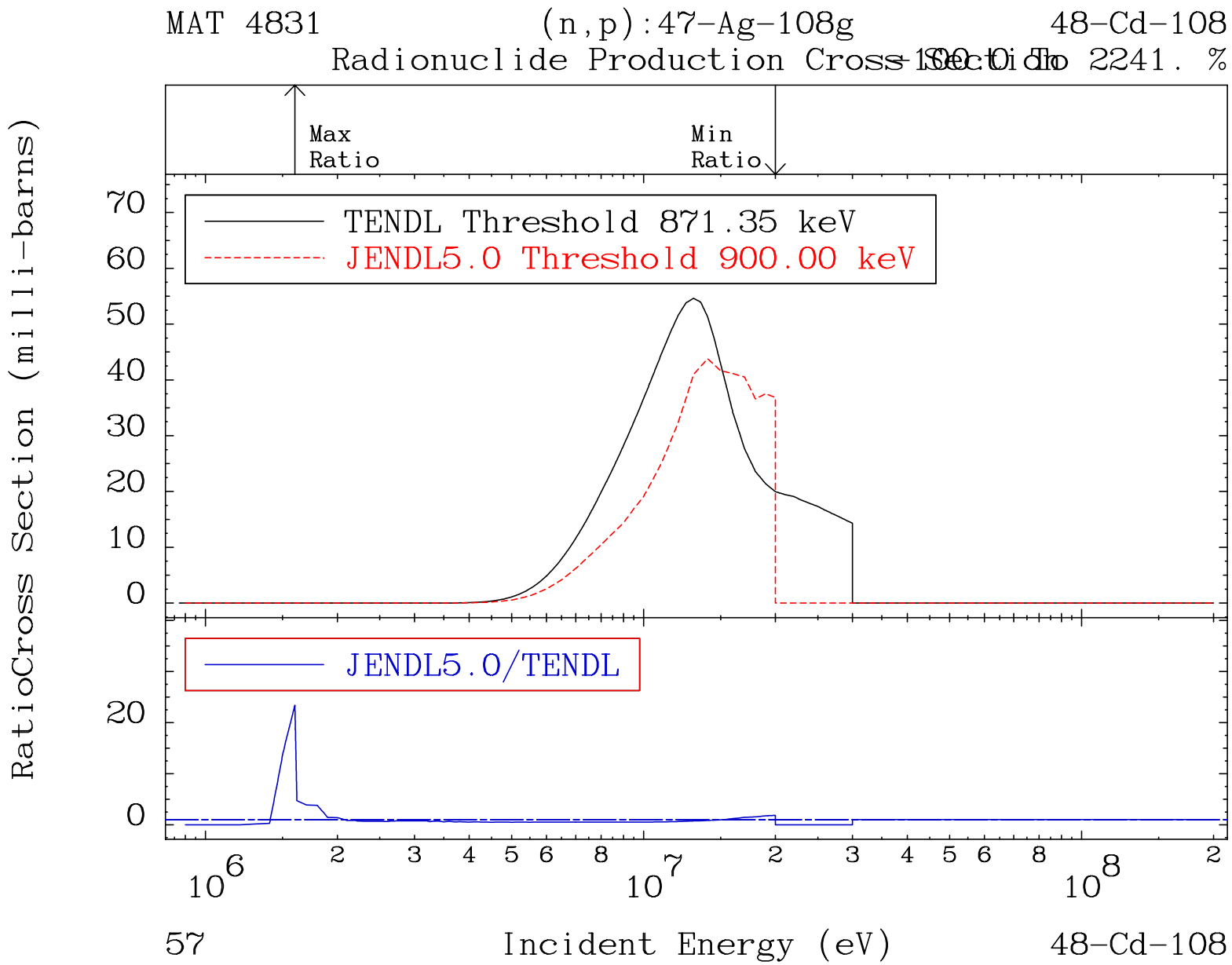

MAT 4831 Dpa disappearance (mt102 -120) 48-Cd-108
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
52
48-Cd-108

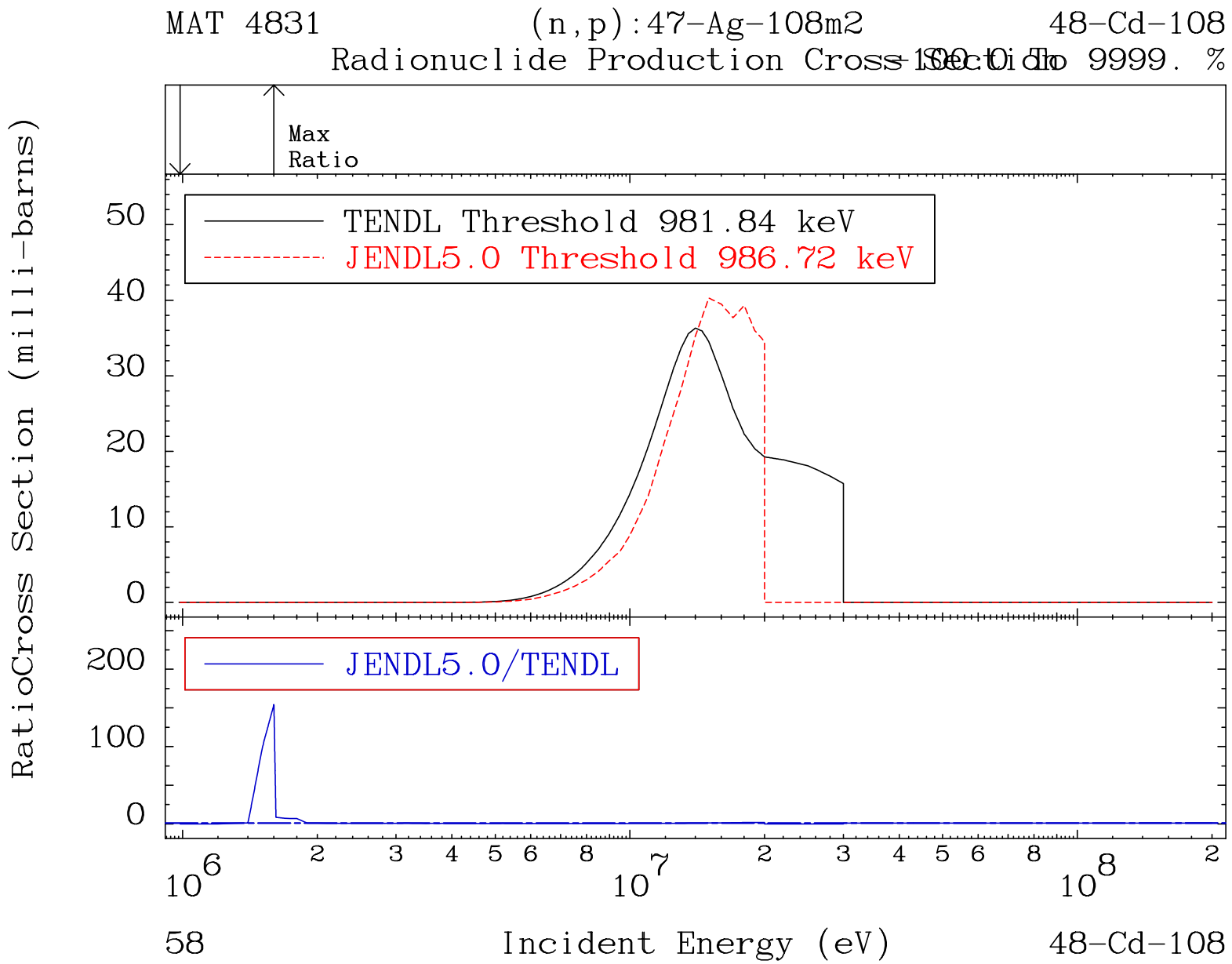

MAT 4831
(n,n') p:47-Ag-107g
48-Cd-108
Radionuclide Production Cross Section To 940.6 %
Max
Ratio
TENDL Threshold 8.2107 MeV
JENDL5.0 Threshold 8.2156 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
53
48-Cd-108

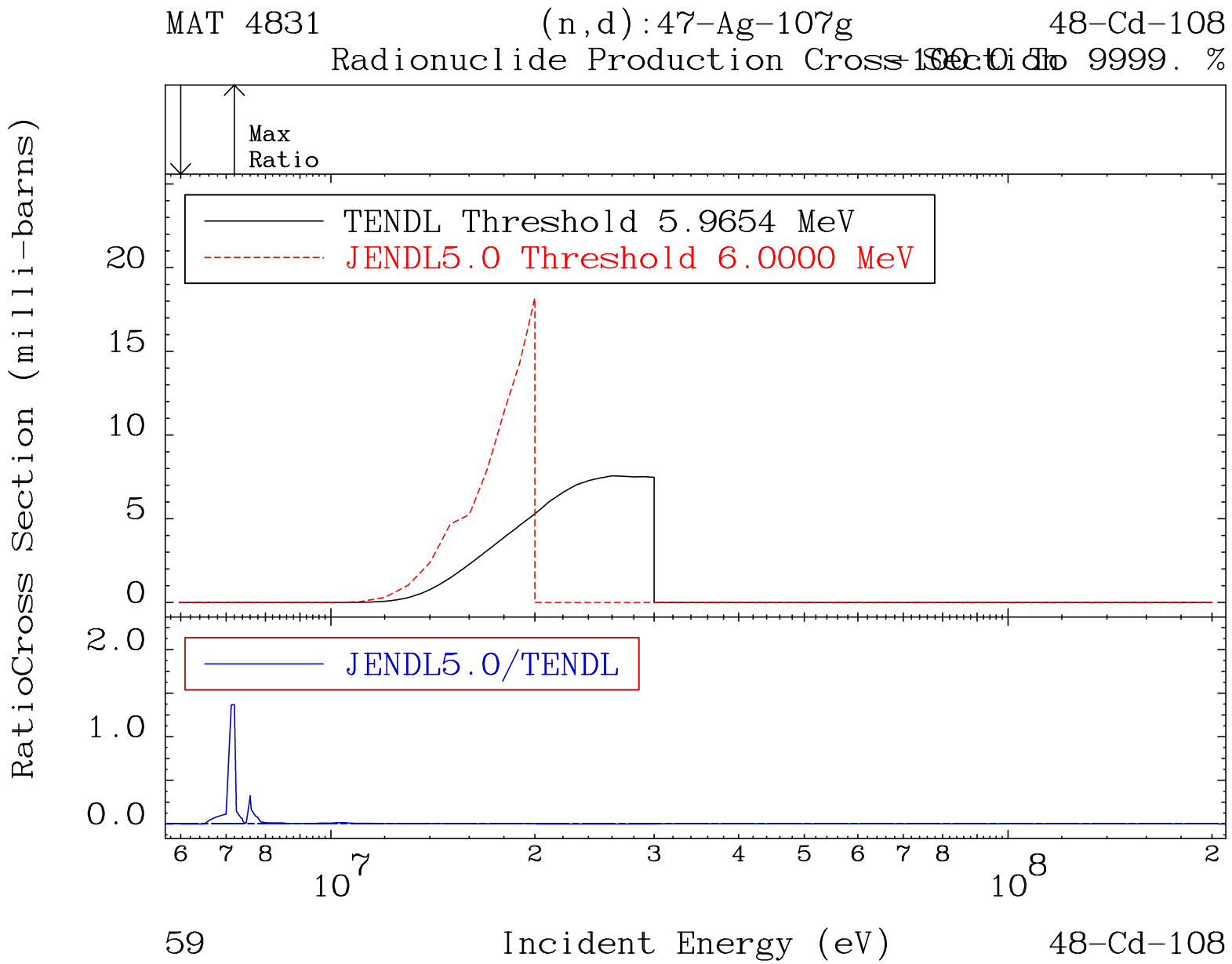

MAT 4831 (n,n') p:47-Ag-107m1 48-Cd-108
Radionuclide Production Cross Section Up To 123.9 %
Max
Ratio
TENDL Threshold 8.3047 MeV
JENDL5.0 Threshold 8.3096 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
150
100
50
0
3.0
2.0
1.0
0.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
54
Incident Energy (eV)
48-Cd-108

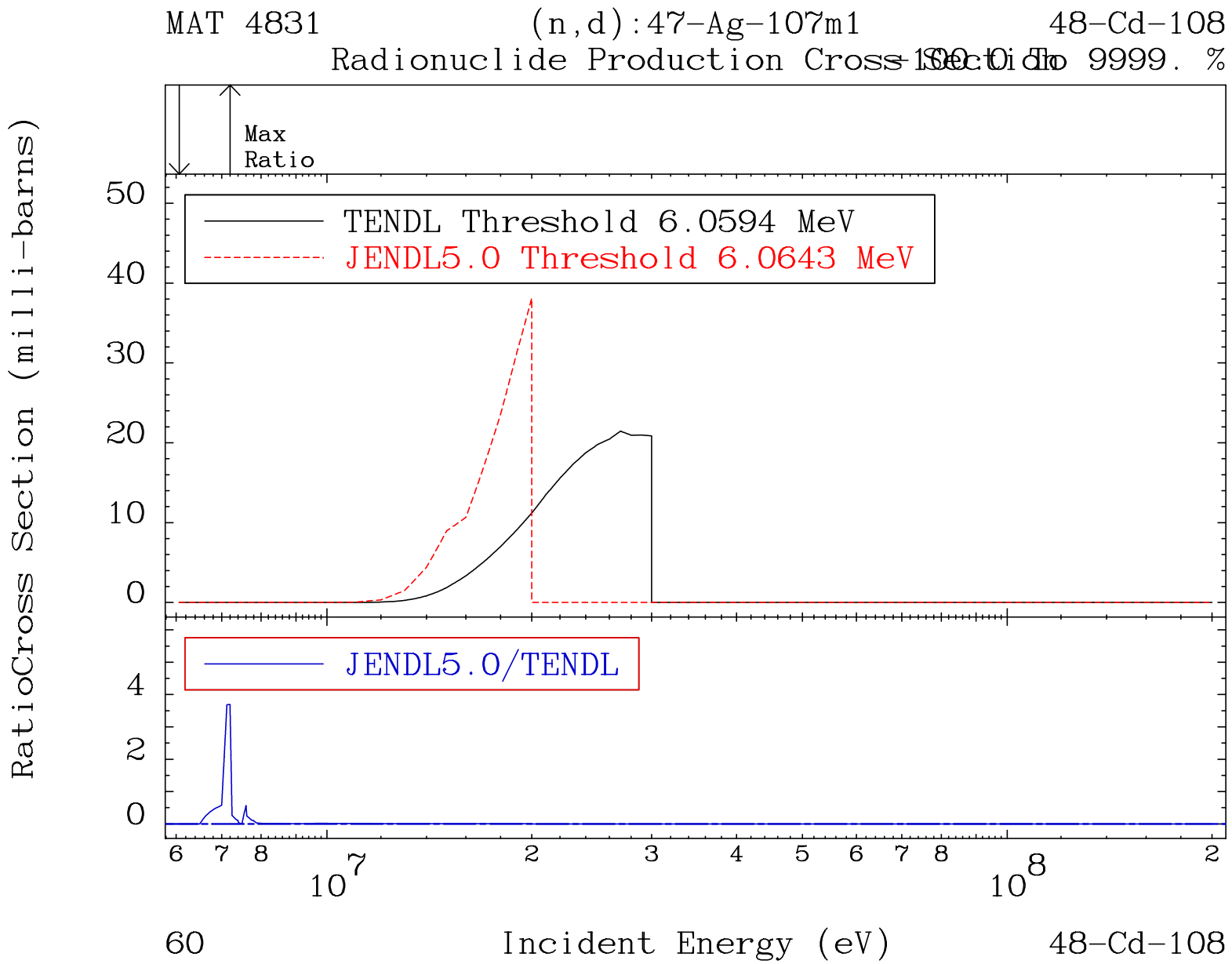

MAT 4831
(n,n') d:47-Ag-106g
48-Cd-108
Radionuclide Production Cross Section To 313.0 %
Max
Ratio
TENDL Threshold 15.590 MeV
JENDL5.0 Threshold 15.595 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
55
48-Cd-108


MAT 4831
(n,n') d:47-Ag-106m1
48-Cd-108
Radionuclide Production Cross Section To 989.6 %
Max
Ratio
TENDL Threshold 15.681 MeV
JENDL5.0 Threshold 15.686 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
12
6
0
2
3
4
5
6
7
8
9
10^8
2
56
Incident Energy (eV)
48-Cd-108


MAT 4831
(n,p):47-Ag-108g
48-Cd-108
Radionuclide Production Cross Section To 2241. %
Max Ratio
Min Ratio
TENDL Threshold 871.35 keV
JENDL5.0 Threshold 900.00 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
57
48-Cd-108


MAT 4831
(n,p):47-Ag-108m2
48-Cd-108
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 981.84 keV
JENDL5.0 Threshold 986.72 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
200
100
0
10^6
10^7
10^8
Incident Energy (eV)
58
48-Cd-108


MAT 4831
(n,d):47-Ag-107g
48-Cd-108
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 5.9654 MeV
JENDL5.0 Threshold 6.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
2.0
1.0
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
59
Incident Energy (eV)
48-Cd-108


MAT 4831
(n,d):47-Ag-107m1
48-Cd-108
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 6.0594 MeV
JENDL5.0 Threshold 6.0643 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
4
2
0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
60
Incident Energy (eV)
48-Cd-108