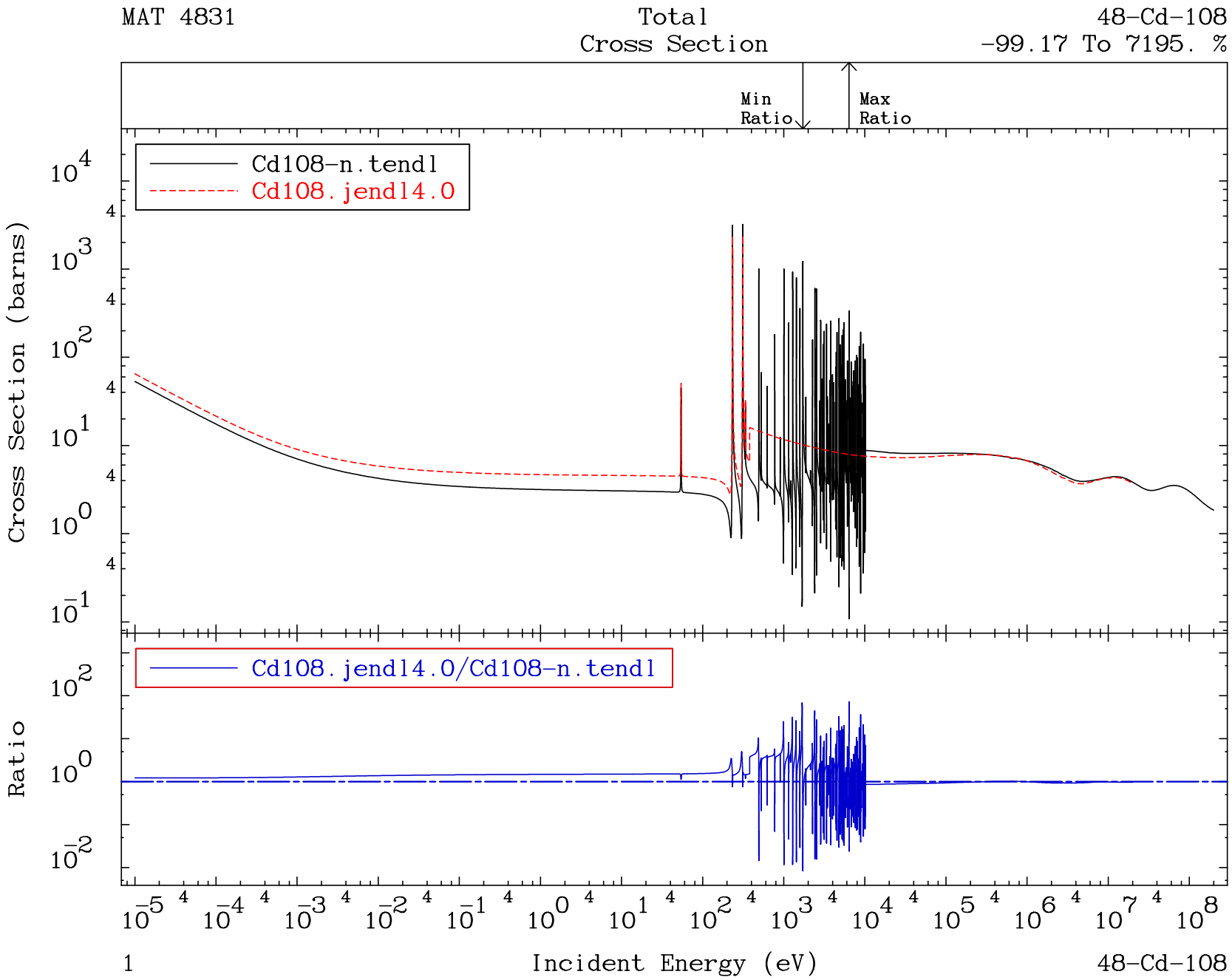
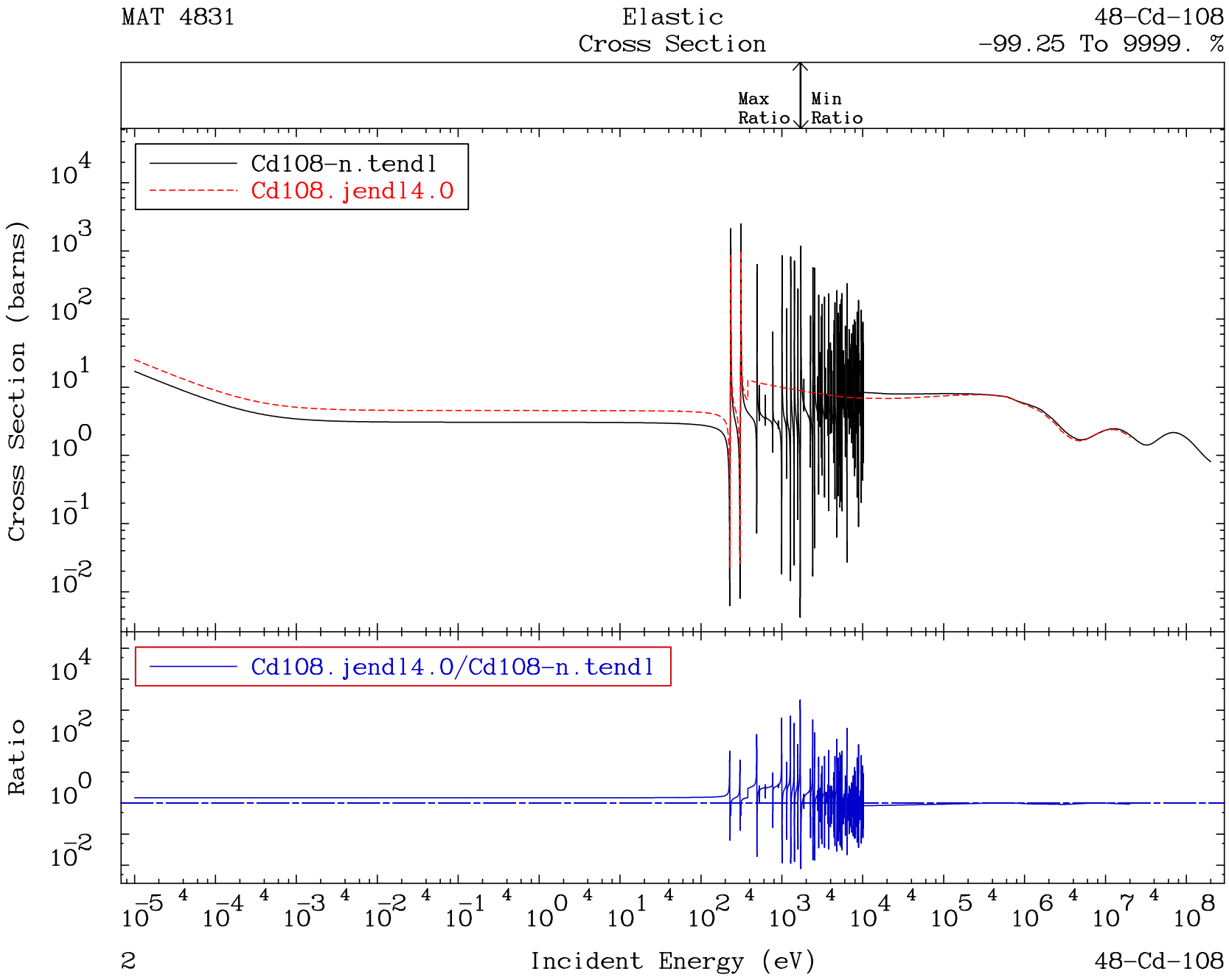
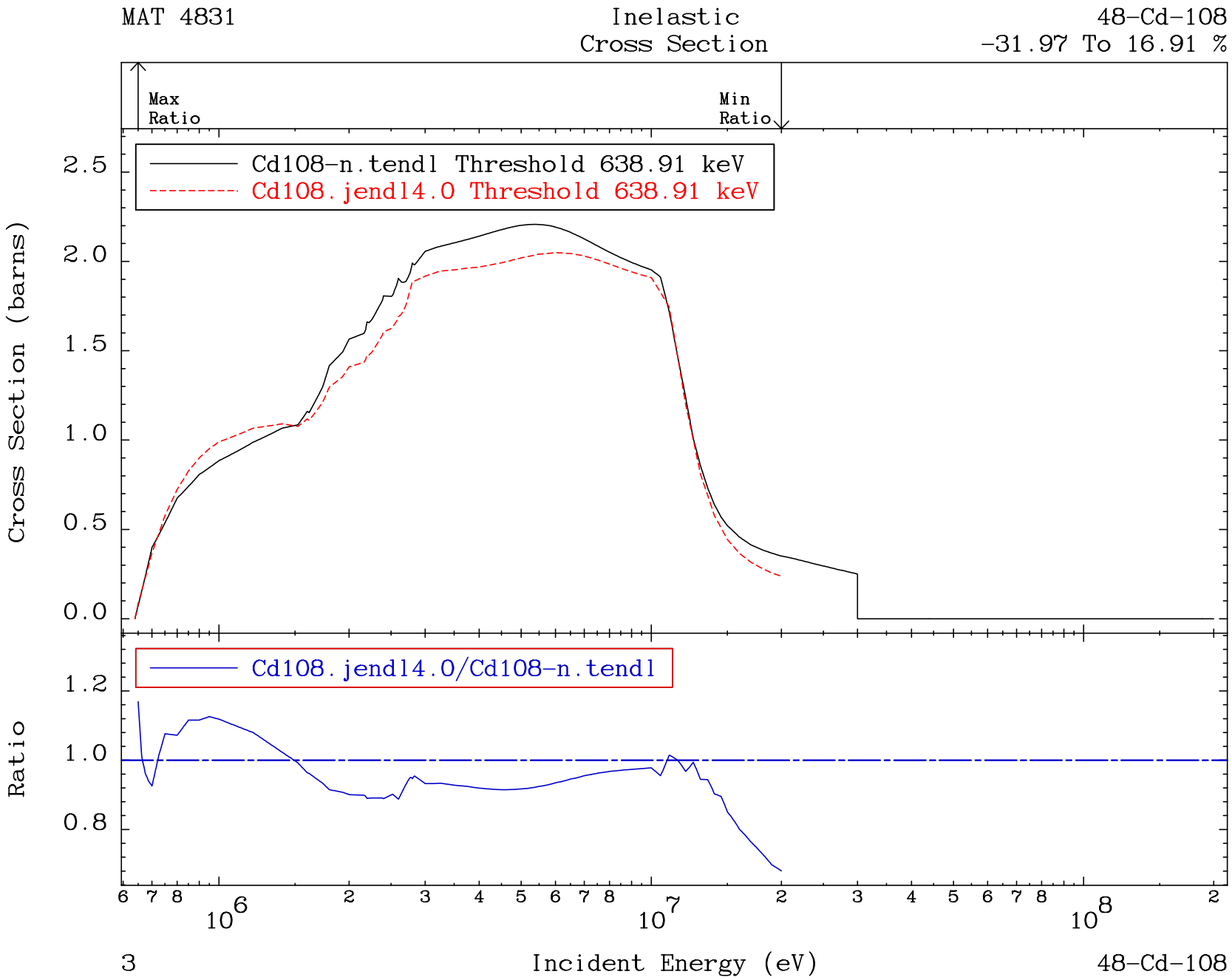
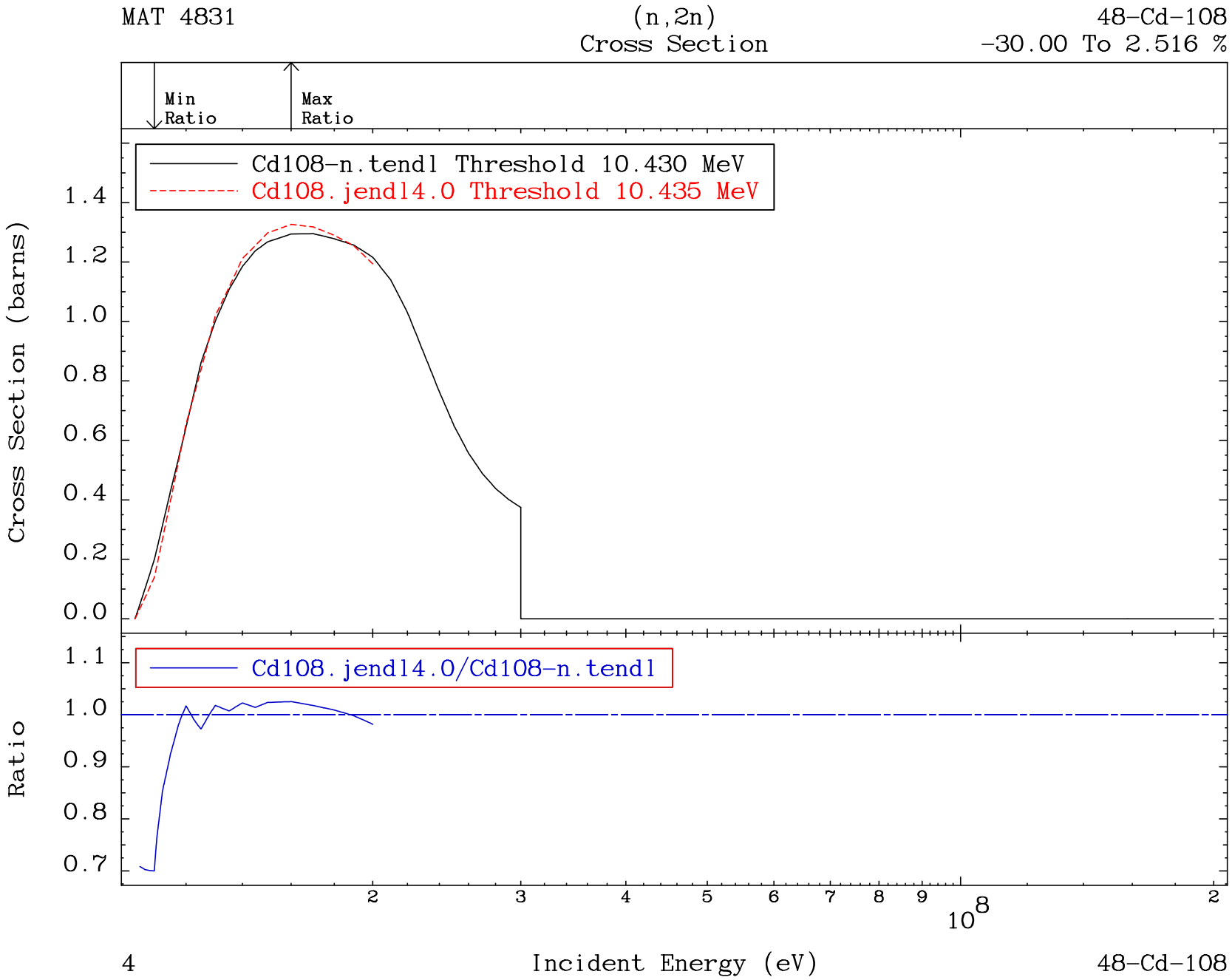
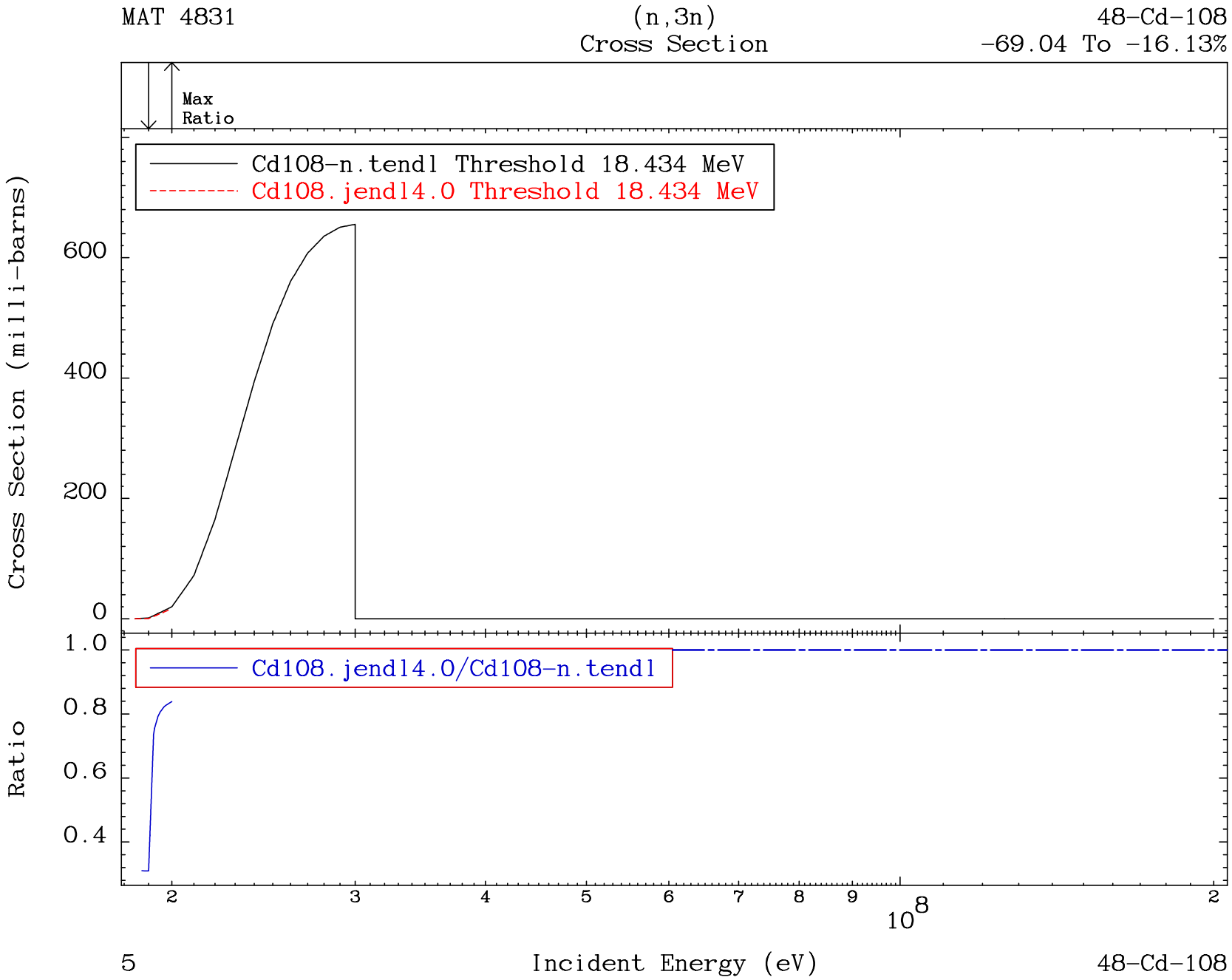
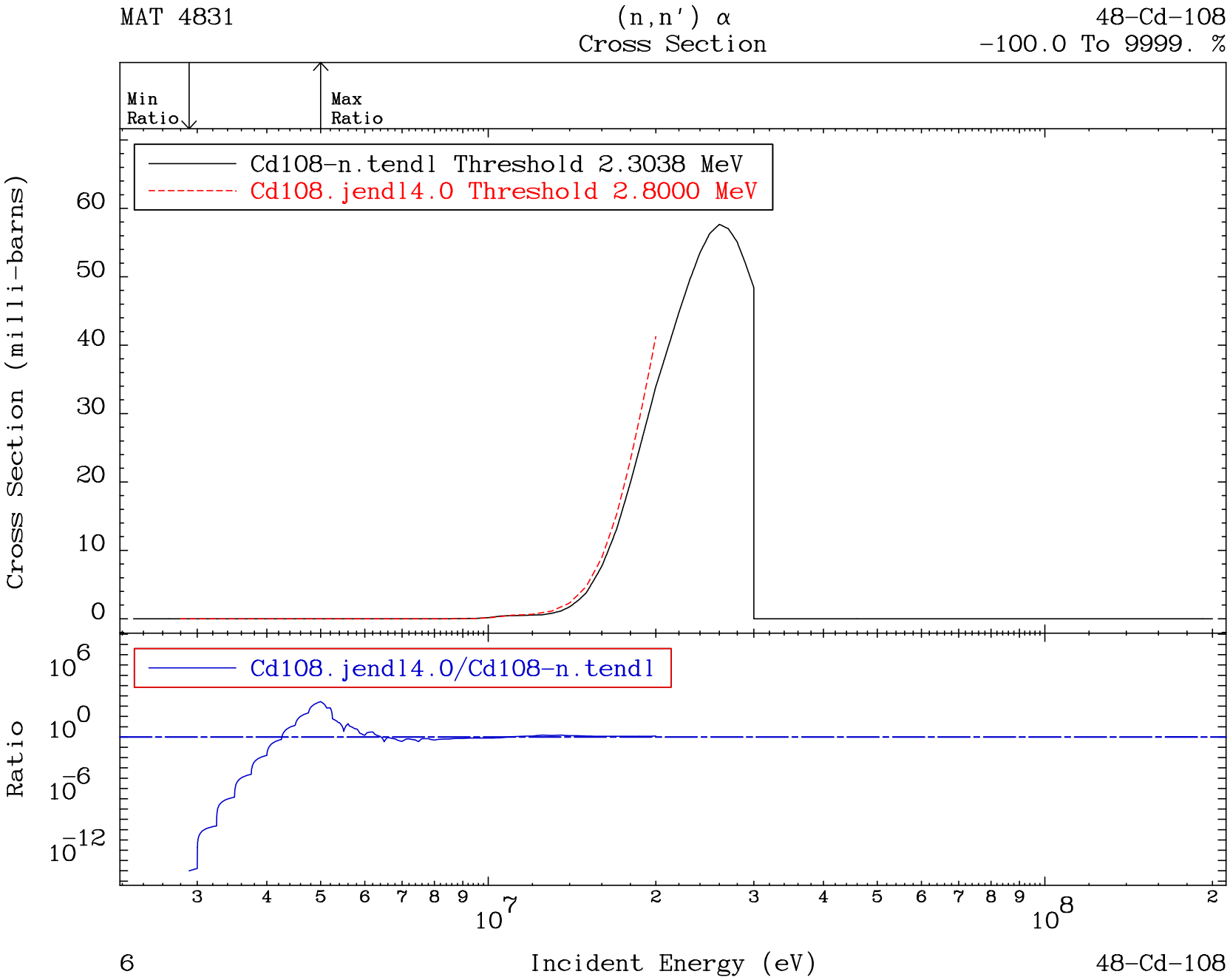

MAT 4831
Total
Cross Section
48-Cd-108
-99.17 To 7195. %
Min
Ratio
Max
Ratio
Cd108-n.tendl
Cd108.jendl4.0
Cross Section (barns)
Cd108.jendl4.0/Cd108-n.tendl
Ratio
Incident Energy (eV)
1
48-Cd-108

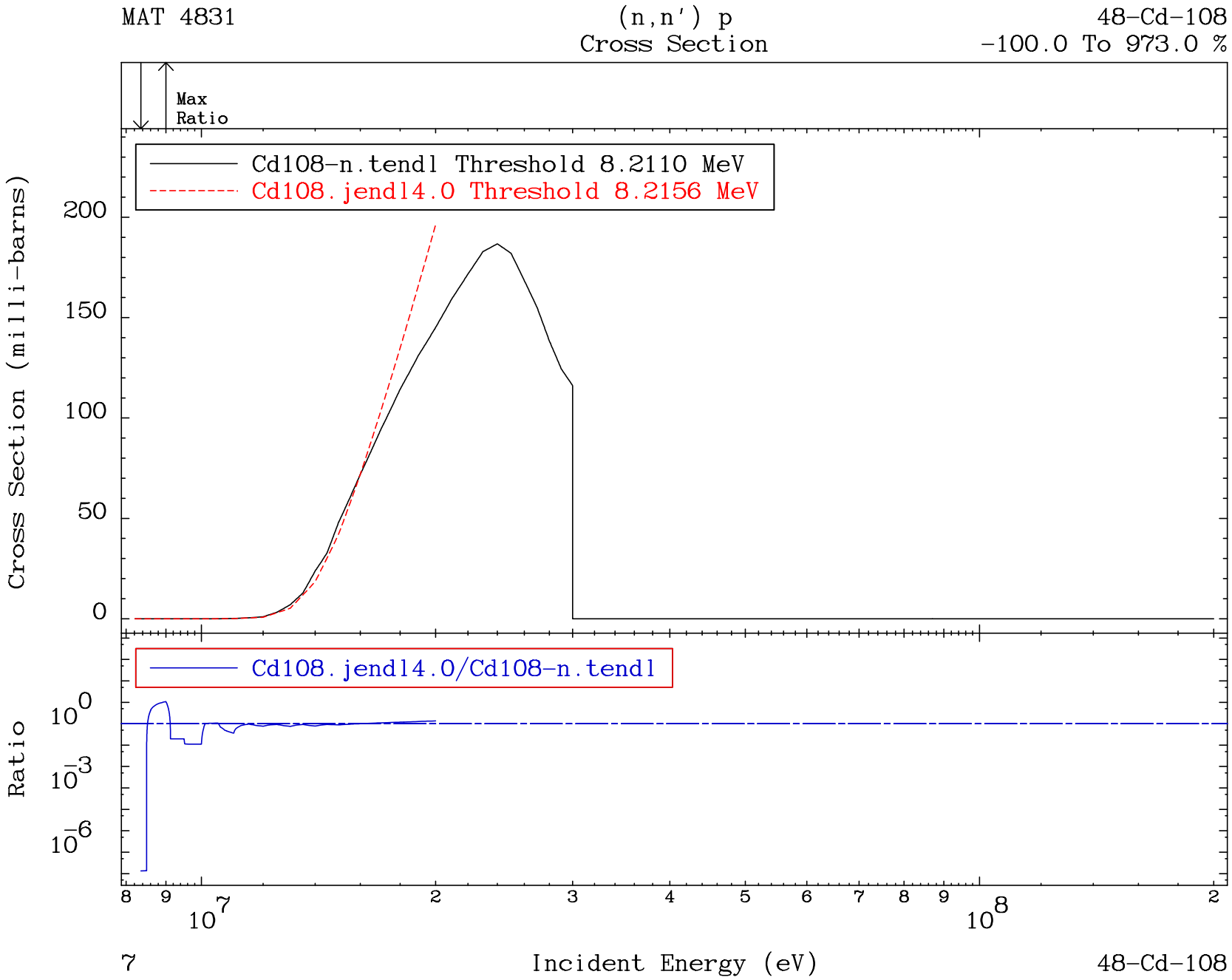

MAT 4831
Elastic
Cross Section
48-Cd-108
-99.25 To 9999. %
Max Ratio
Min Ratio
Cd108-n.tendl
Cd108.jendl4.0
Cross Section (barns)
Cd108.jendl4.0/Cd108-n.tendl
Ratio
Incident Energy (eV)
2
48-Cd-108

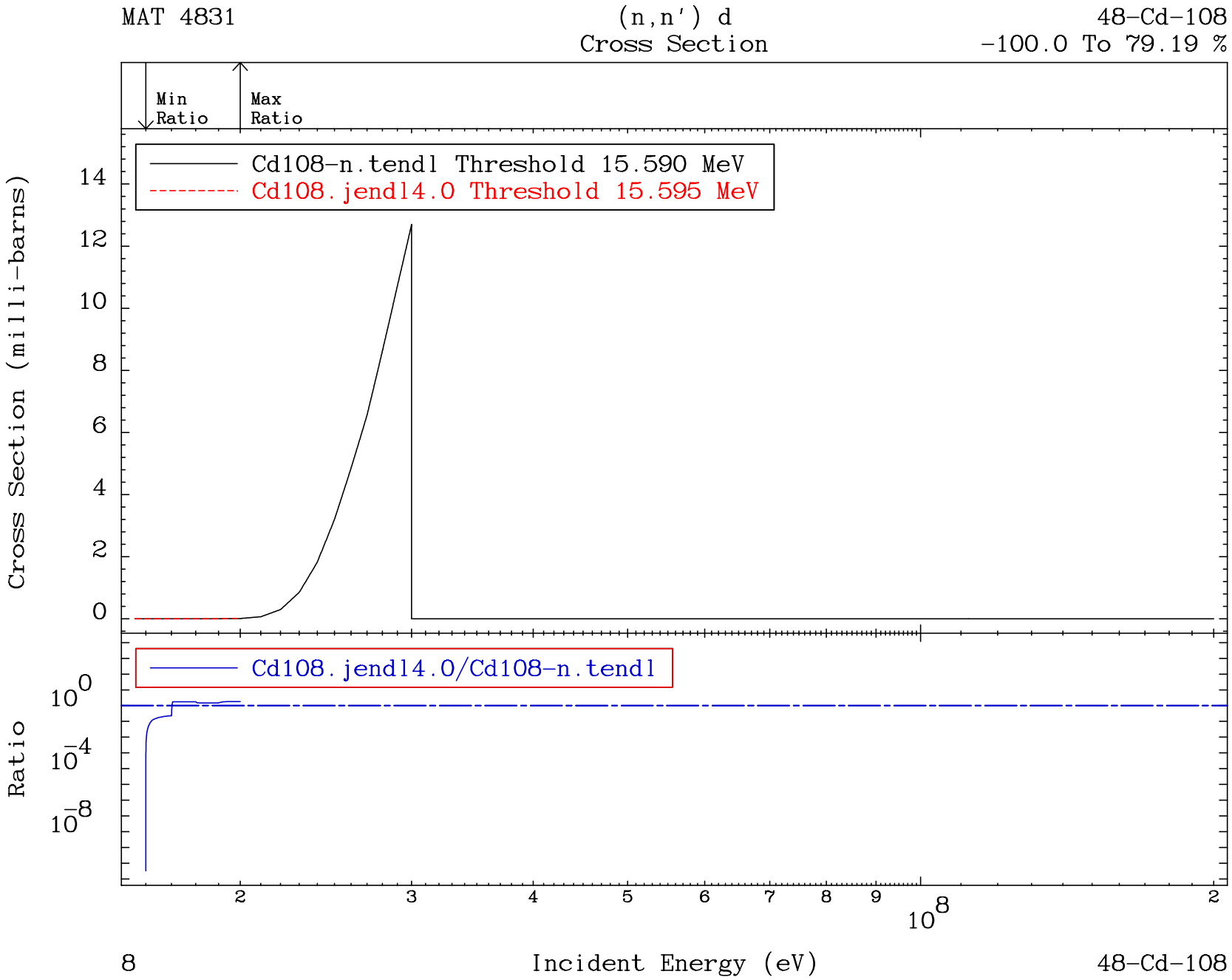

MAT 4831
Inelastic
Cross Section
48-Cd-108
-31.97 To 16.91 %
Max
Ratio
Min
Ratio
Cd108-n.tendl Threshold 638.91 keV
Cd108.jendl4.0 Threshold 638.91 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
1.2
1.0
0.8
6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
3
48-Cd-108

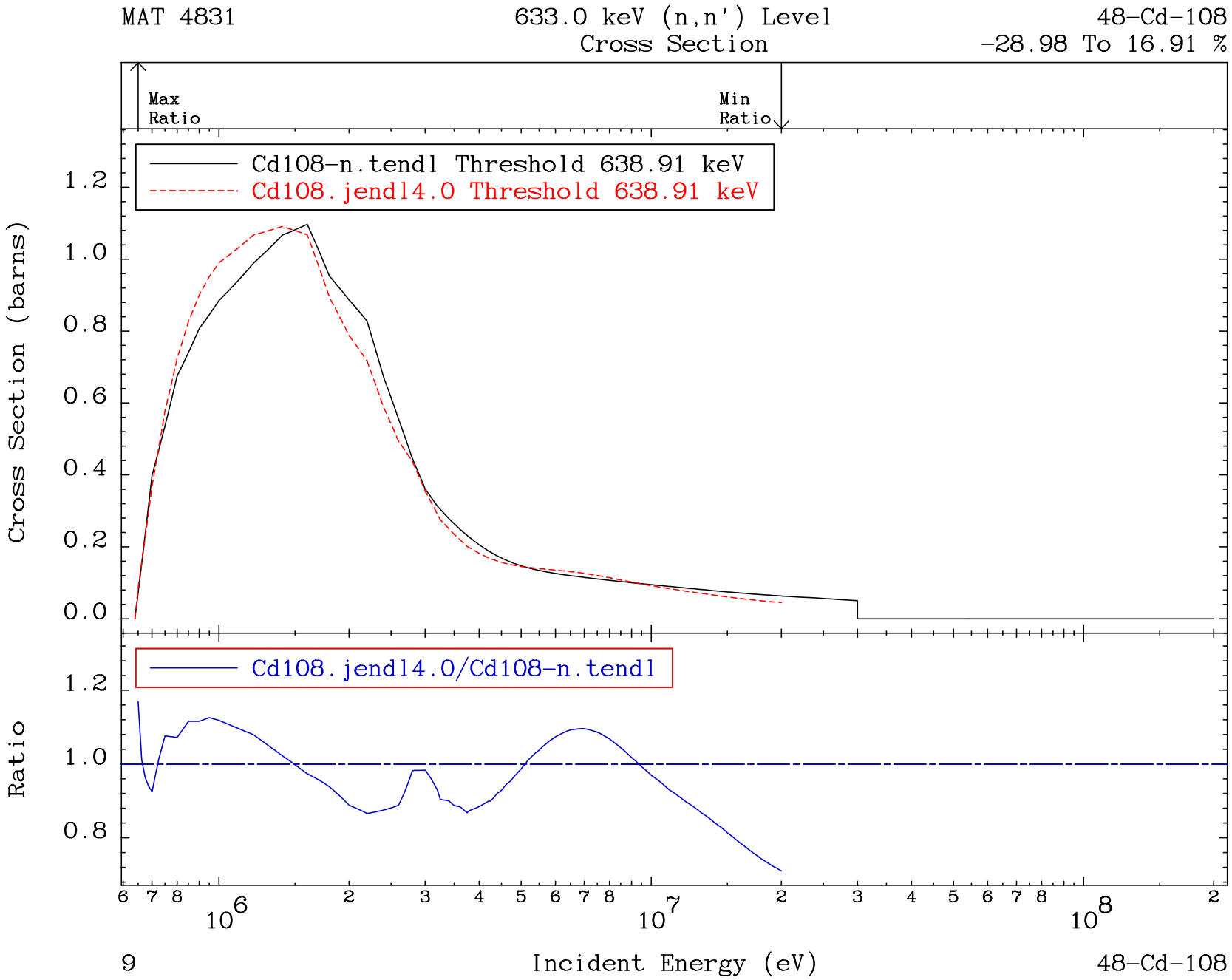

MAT 4831
(n,2n)
Cross Section
48-Cd-108
-30.00 To 2.516 %
Min Ratio
Max Ratio
Cd108-n.tendl Threshold 10.430 MeV
Cd108.jendl4.0 Threshold 10.435 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
1.1
1.0
0.9
0.8
0.7
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
48-Cd-108

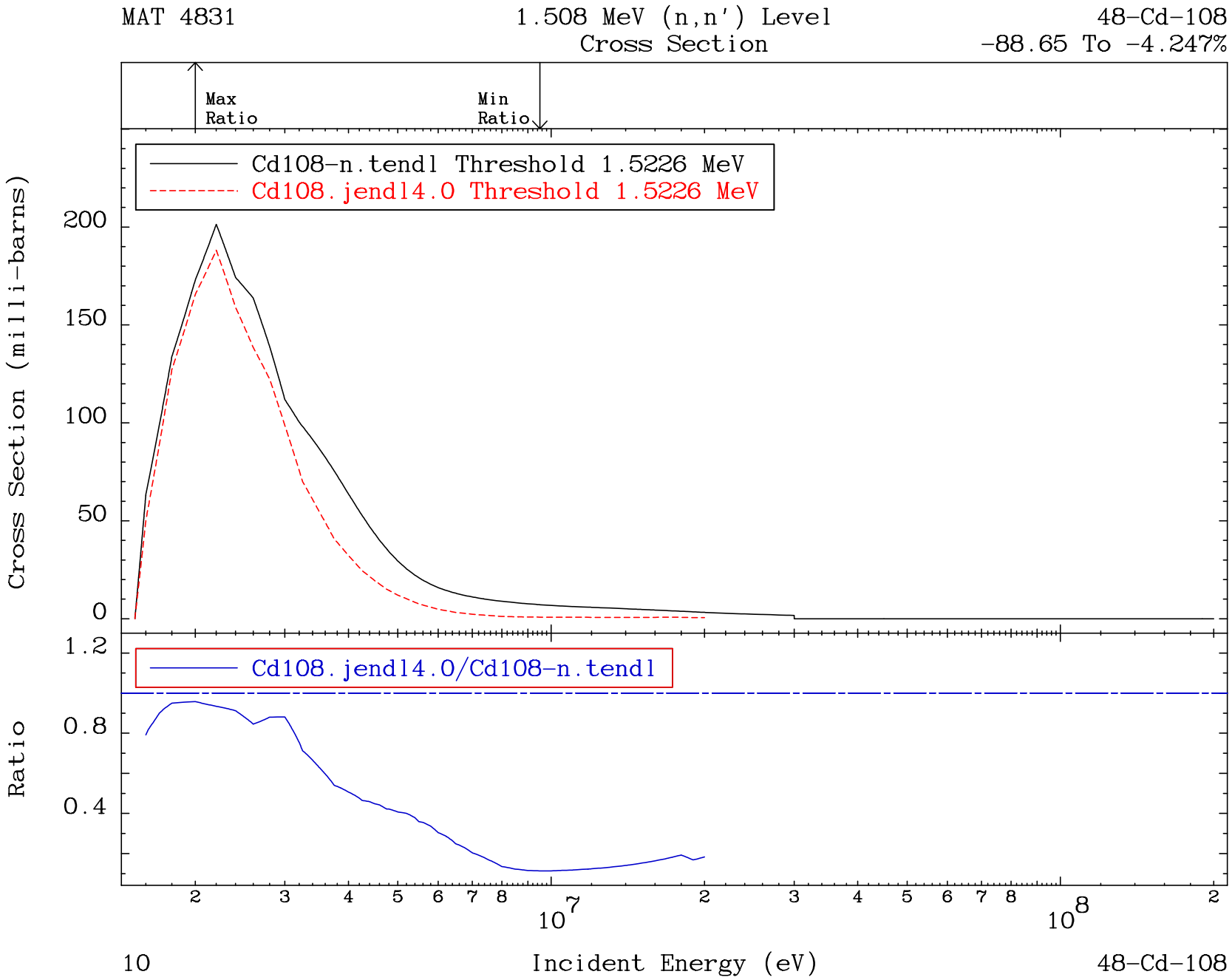

MAT 4831
(n,3n)
Cross Section
48-Cd-108
-69.04 To -16.13%
Max
Ratio
Cd108-n.tendl Threshold 18.434 MeV
Cd108.jendl4.0 Threshold 18.434 MeV
Cross Section (milli-barns)
600
400
200
0
1.0
0.8
0.6
0.4
Ratio
Cd108.jendl4.0/Cd108-n.tendl
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
48-Cd-108

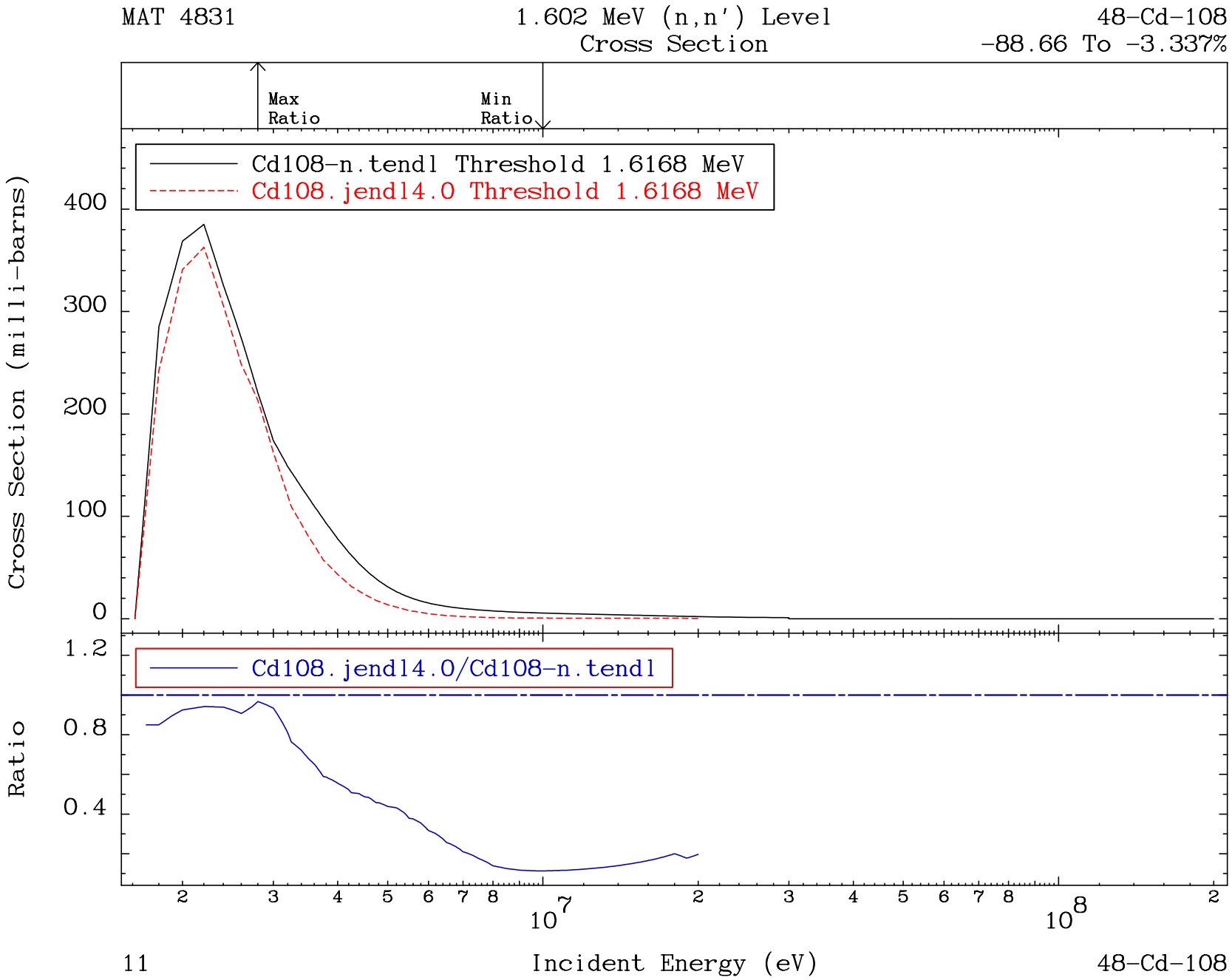

MAT 4831
(n,n') α
Cross Section
48-Cd-108
-100.0 To 9999. %
Min Ratio
Max Ratio
Cd108-n.tendl Threshold 2.3038 MeV
Cd108.jendl4.0 Threshold 2.8000 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
10^6
10^0
10^-6
10^-12
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
6
Incident Energy (eV)
48-Cd-108

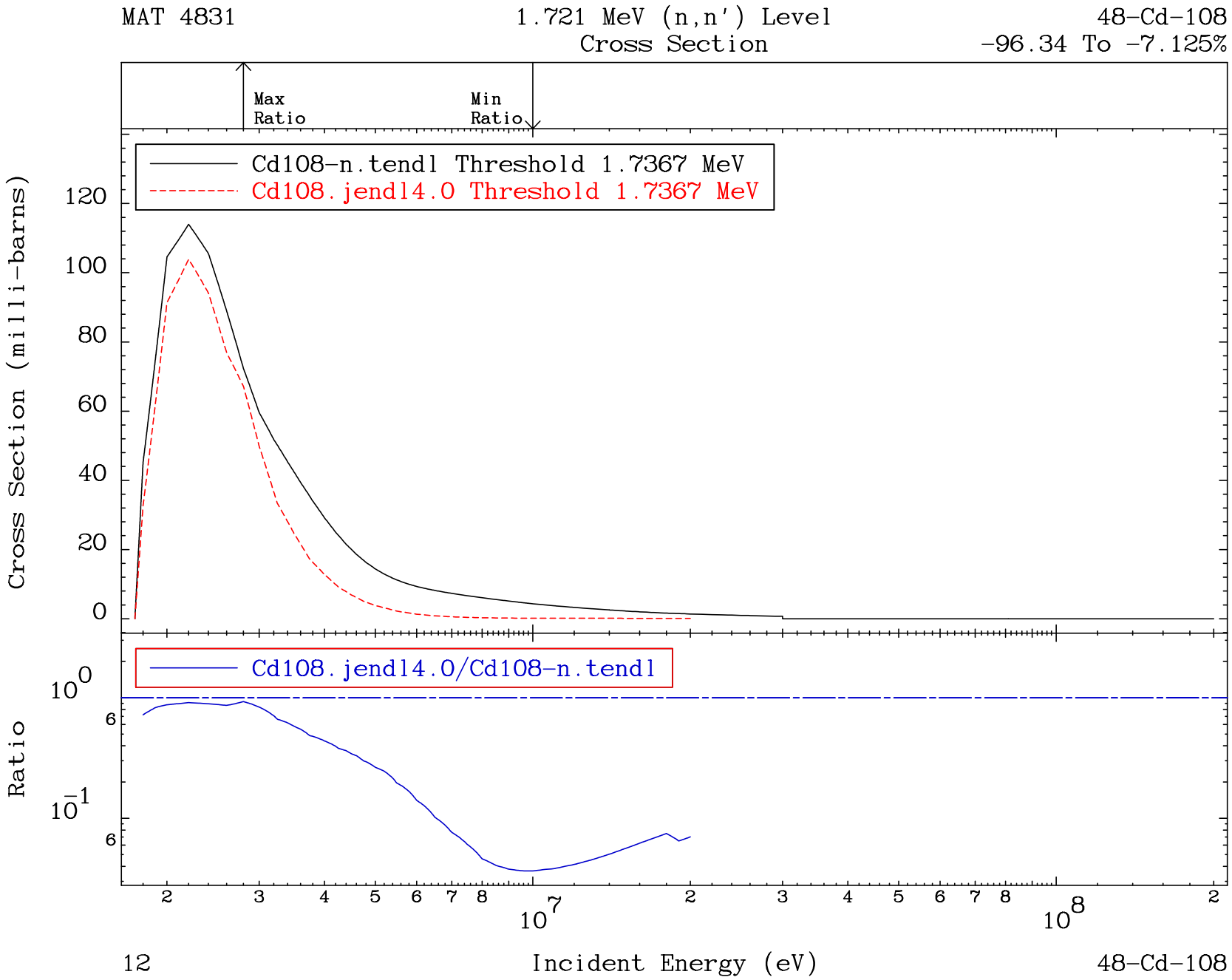

MAT 4831
(n,n') p
Cross Section
48-Cd-108
-100.0 To 973.0 %
Max
Ratio
Cd108-n.tendl Threshold 8.2110 MeV
Cd108.jendl4.0 Threshold 8.2156 MeV
Cross Section (milli-barns)
200
150
100
50
0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
10^0
10^-3
10^-6
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
7
Incident Energy (eV)
48-Cd-108

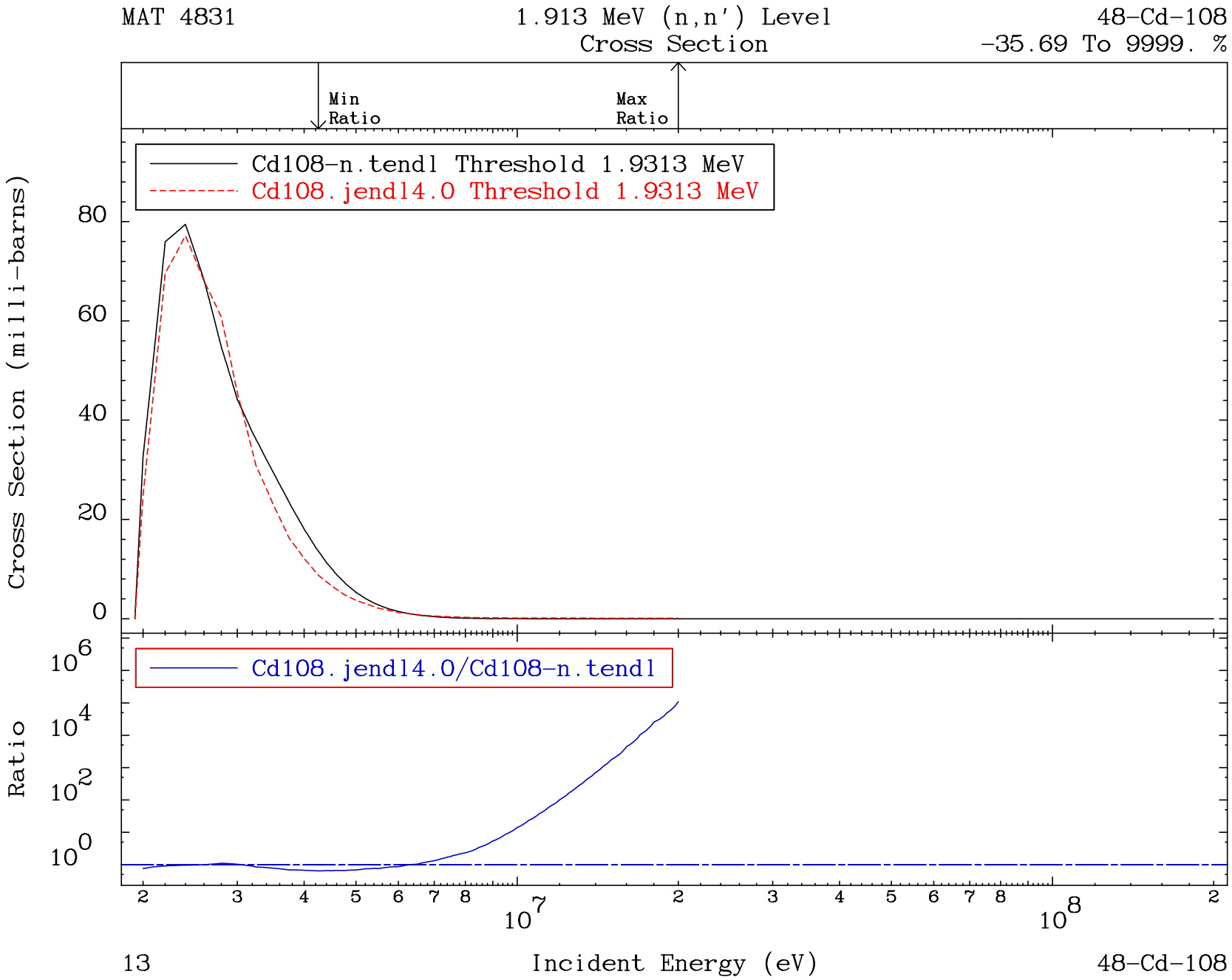

MAT 4831
(n,n') d
Cross Section
48-Cd-108
-100.0 To 79.19 %
Min Ratio
Max Ratio
Cd108-n.tendl Threshold 15.590 MeV
Cd108.jendl4.0 Threshold 15.595 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
12
14
Cd108.jendl4.0/Cd108-n.tendl
Ratio
10^0
10^-4
10^-8
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
48-Cd-108

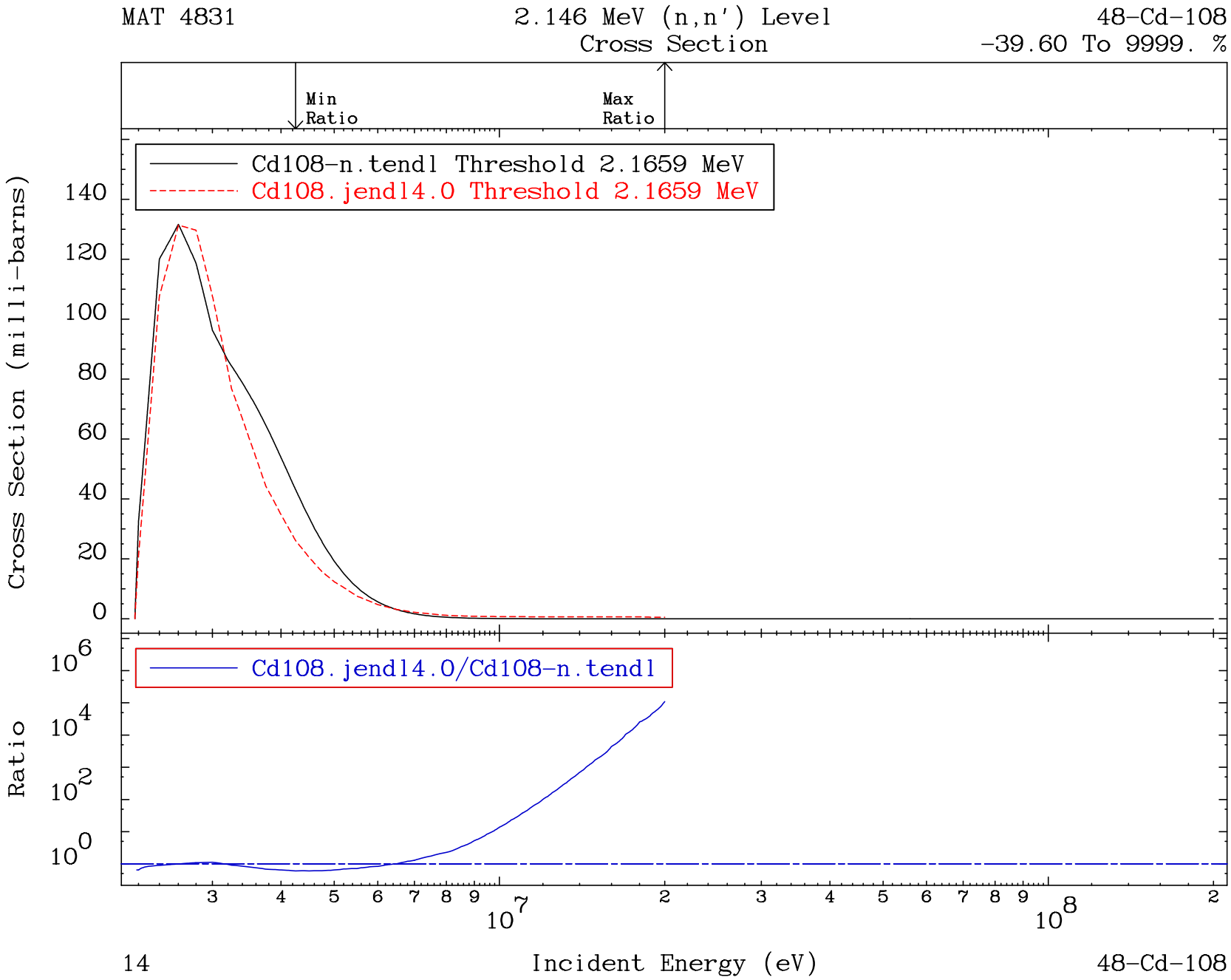

MAT 4831
633.0 keV (n,n') Level
Cross Section
48-Cd-108
-28.98 To 16.91 %
Max Ratio
Min Ratio
Cd108-n.tendl Threshold 638.91 keV
Cd108.jendl4.0 Threshold 638.91 keV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
1.2
1.0
0.8
6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
9
Incident Energy (eV)
48-Cd-108

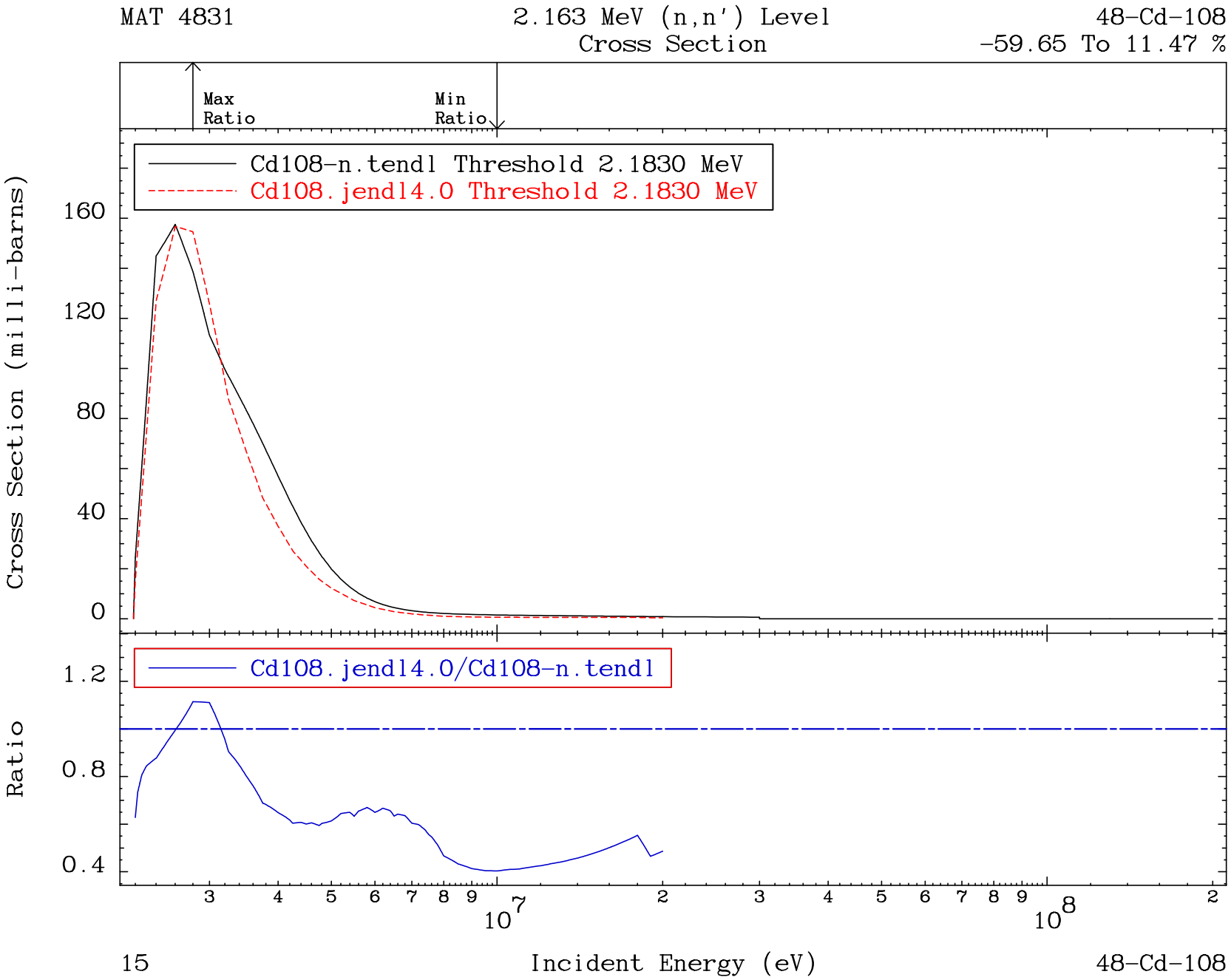

MAT 4831
1.508 MeV (n,n') Level
Cross Section
48-Cd-108
-88.65 To -4.247%
Max Ratio
Min Ratio
Cd108-n.tendl Threshold 1.5226 MeV
Cd108.jendl4.0 Threshold 1.5226 MeV
Cross Section (milli-barns)
200
150
100
50
0
Cd108.jendl4.0/Cd108-n.tendl
1.2
0.8
0.4
Ratio
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
10
Incident Energy (eV)
48-Cd-108

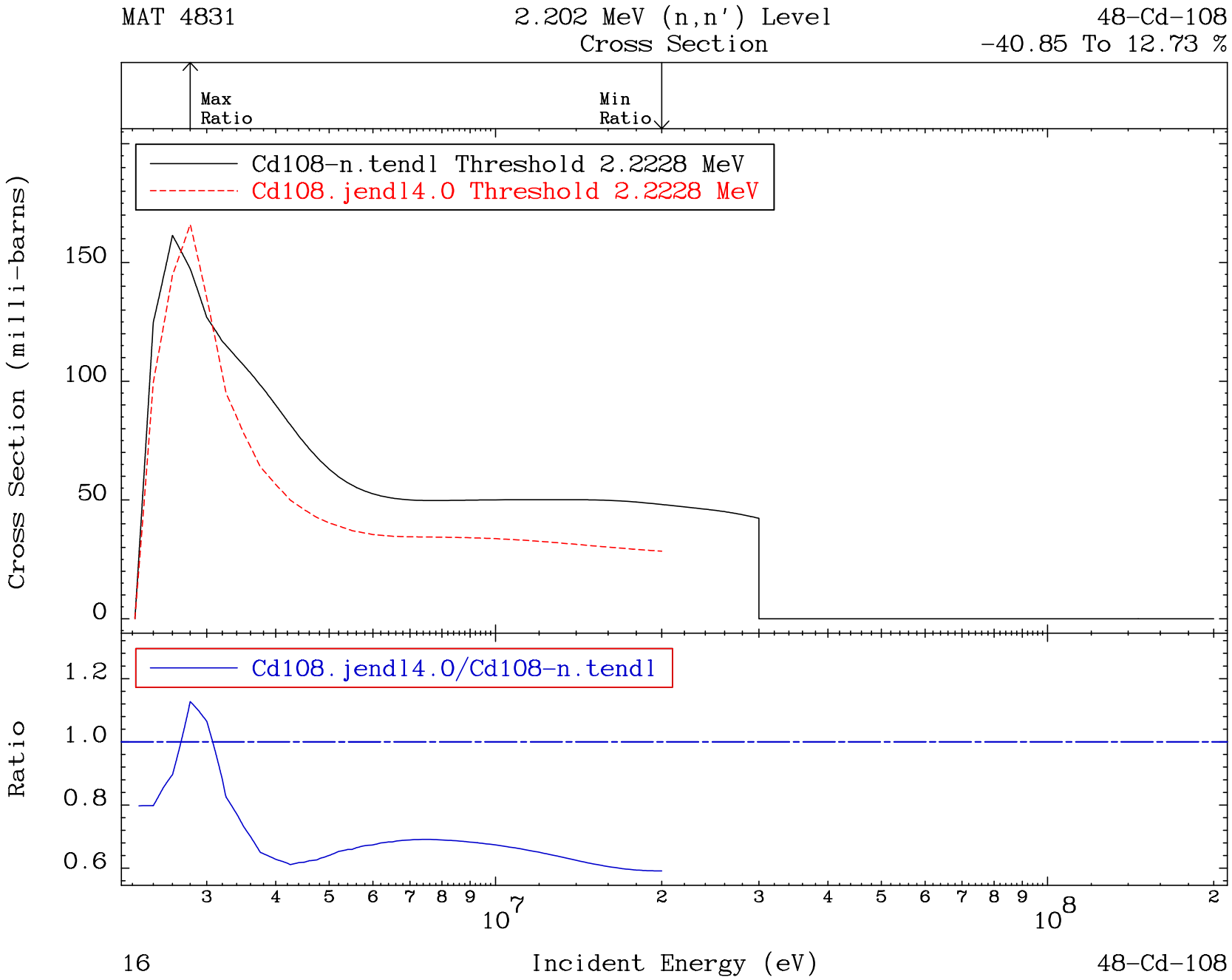

MAT 4831
1.602 MeV (n,n') Level
Cross Section
48-Cd-108
-88.66 To -3.337%
Max Ratio
Min Ratio
Cd108-n.tendl Threshold 1.6168 MeV
Cd108.jendl4.0 Threshold 1.6168 MeV
Cross Section (milli-barns)
400
300
200
100
0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
1.2
0.8
0.4
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
11
Incident Energy (eV)
48-Cd-108

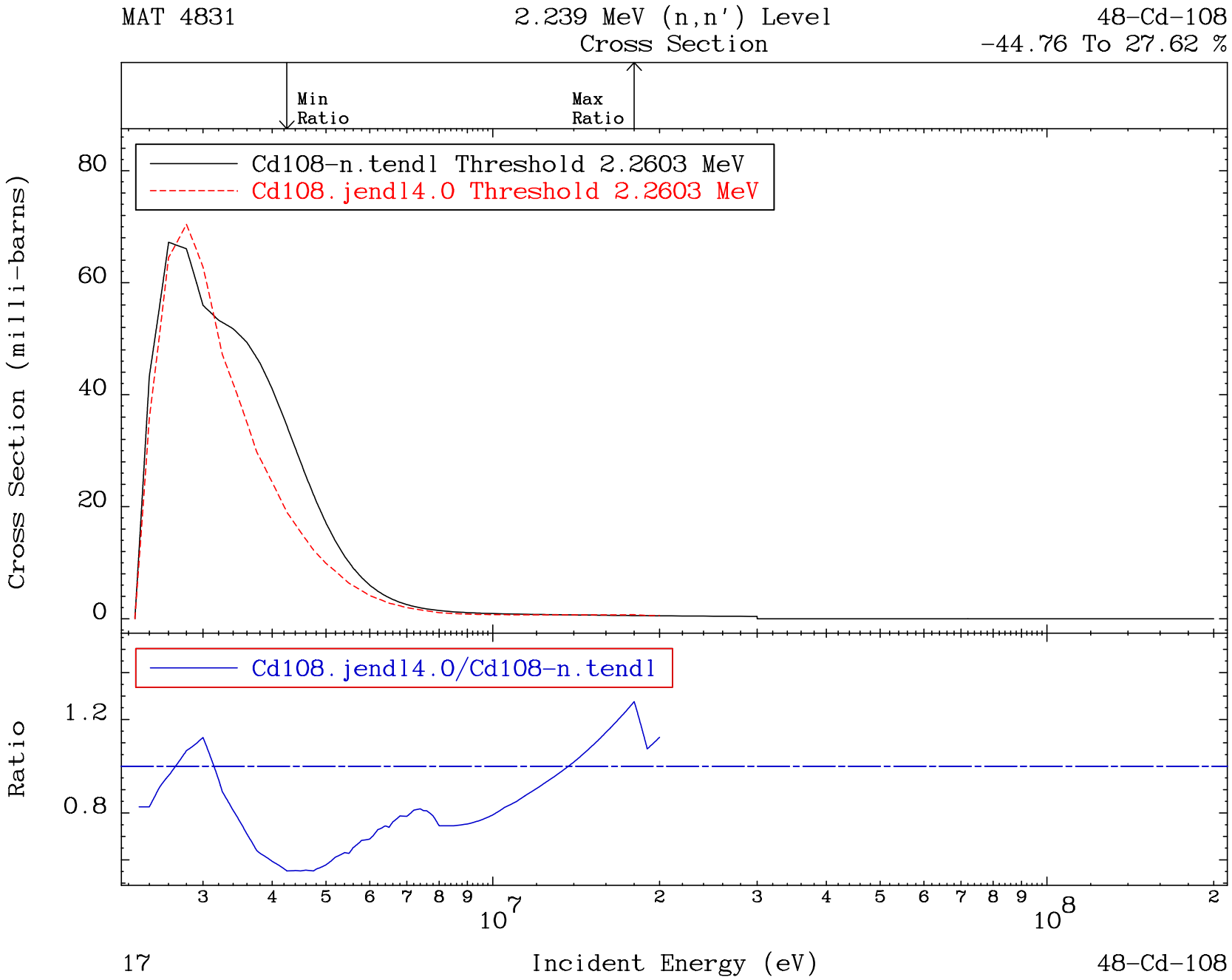

MAT 4831
1.721 MeV (n,n') Level
Cross Section
48-Cd-108
-96.34 To -7.125%
Max
Ratio
Min
Ratio
Cd108-n.tendl Threshold 1.7367 MeV
Cd108.jendl4.0 Threshold 1.7367 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
10^0
6
10^-1
6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
12
Incident Energy (eV)
48-Cd-108

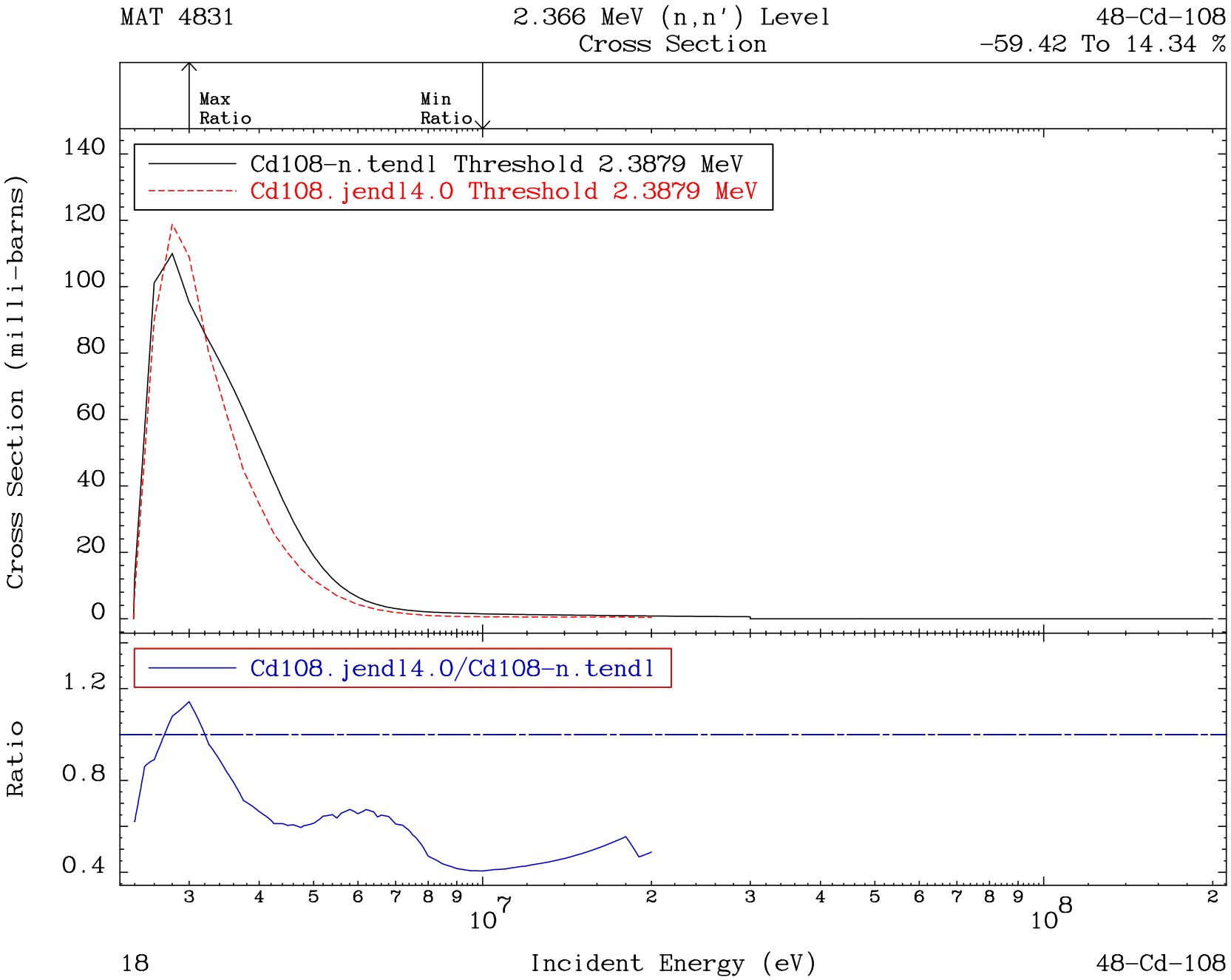

MAT 4831
1.913 MeV (n,n') Level
Cross Section
48-Cd-108
-35.69 To 9999. %
Min
Ratio
Max
Ratio
Cd108-n.tendl Threshold 1.9313 MeV
Cd108.jendl4.0 Threshold 1.9313 MeV
Cross Section (milli-barns)
80
60
40
20
0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
10^6
10^4
10^2
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
48-Cd-108

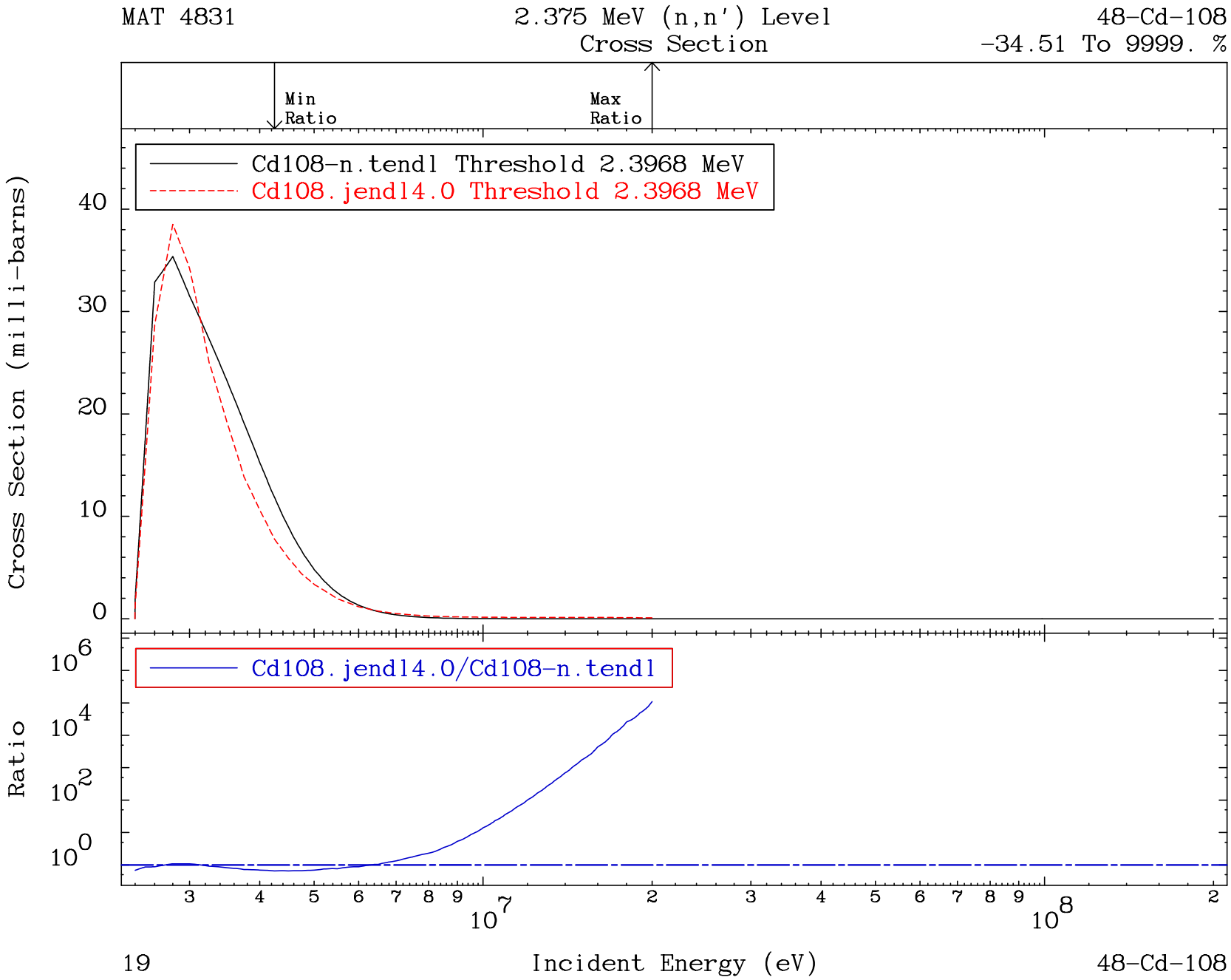

MAT 4831
2.146 MeV (n,n') Level
Cross Section
48-Cd-108
-39.60 To 9999. %
Min
Ratio
Max
Ratio
Cd108-n.tendl Threshold 2.1659 MeV
Cd108.jendl4.0 Threshold 2.1659 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
10^6
10^4
10^2
10^0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
14
Incident Energy (eV)
48-Cd-108

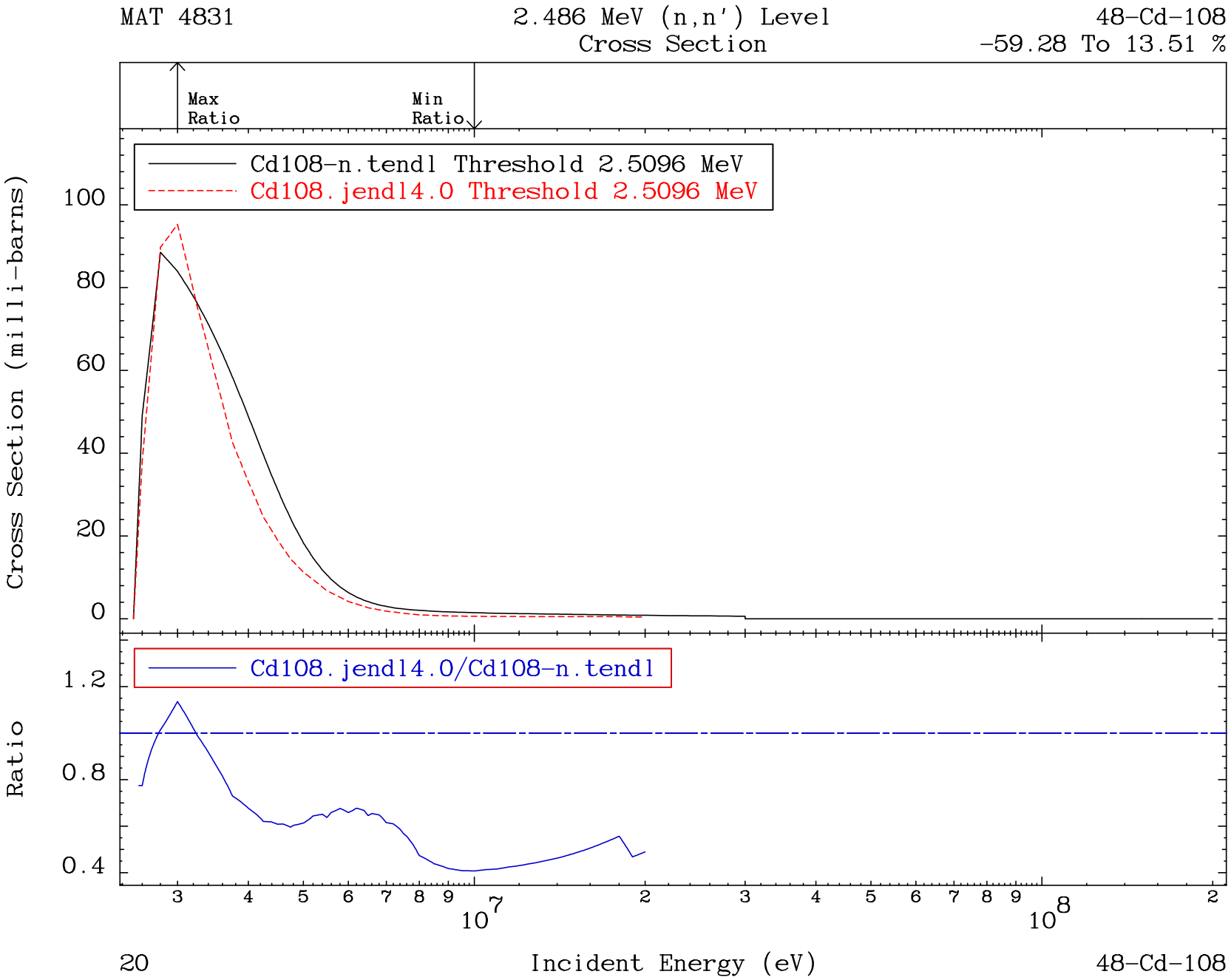

MAT 4831
2.163 MeV (n,n') Level
Cross Section
48-Cd-108
-59.65 To 11.47 %
Max Ratio
Min Ratio
Cd108-n.tendl Threshold 2.1830 MeV
Cd108.jendl4.0 Threshold 2.1830 MeV
Cross Section (milli-barns)
160
120
80
40
0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
1.2
0.8
0.4
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
15
Incident Energy (eV)
48-Cd-108

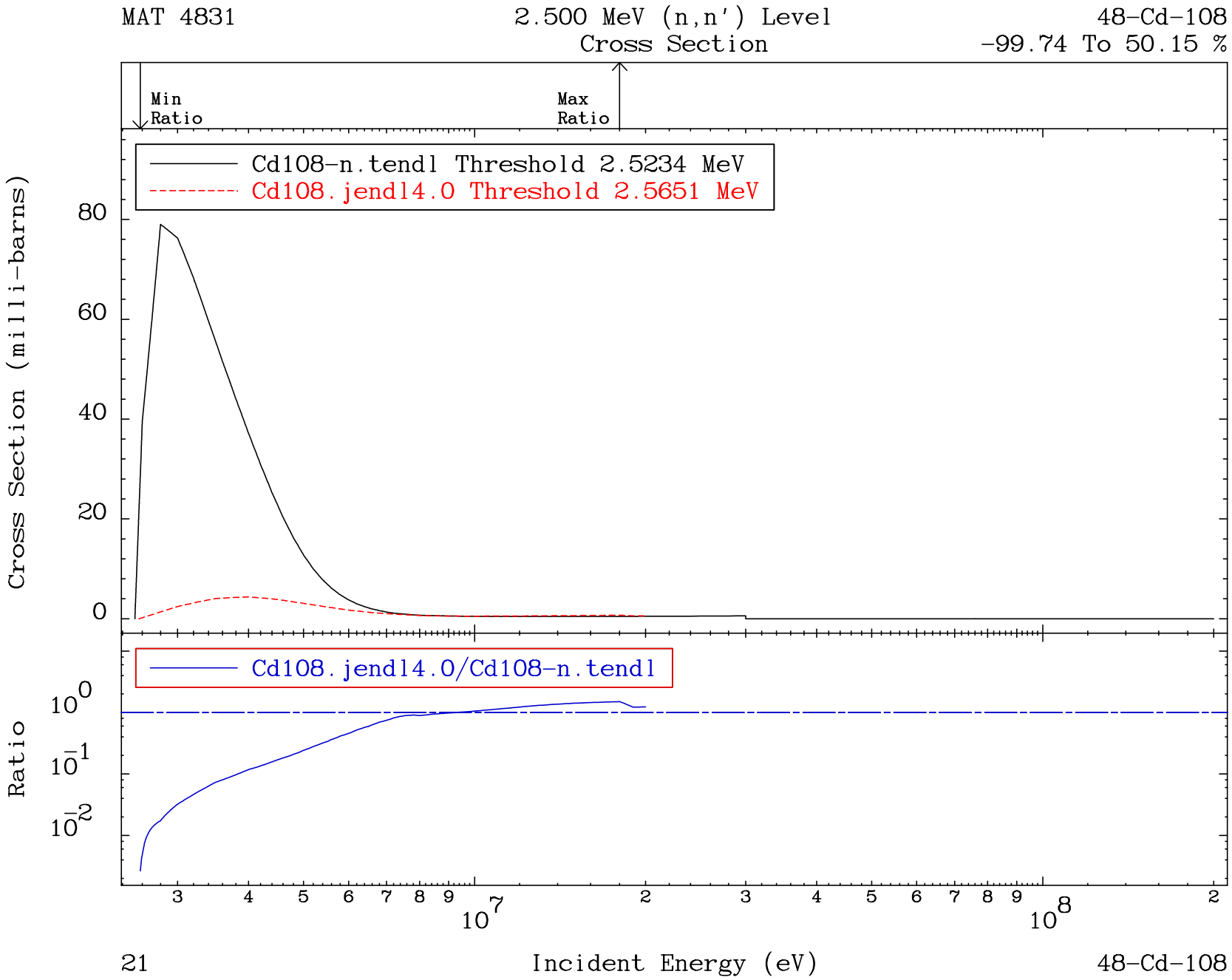

MAT 4831
2.202 MeV (n,n') Level
Cross Section
48-Cd-108
-40.85 To 12.73 %
Max Ratio
Min Ratio
Cd108-n.tendl Threshold 2.2228 MeV
Cd108.jendl4.0 Threshold 2.2228 MeV
Cross Section (milli-barns)
150
100
50
0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
1.2
1.0
0.8
0.6
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
16
Incident Energy (eV)
48-Cd-108

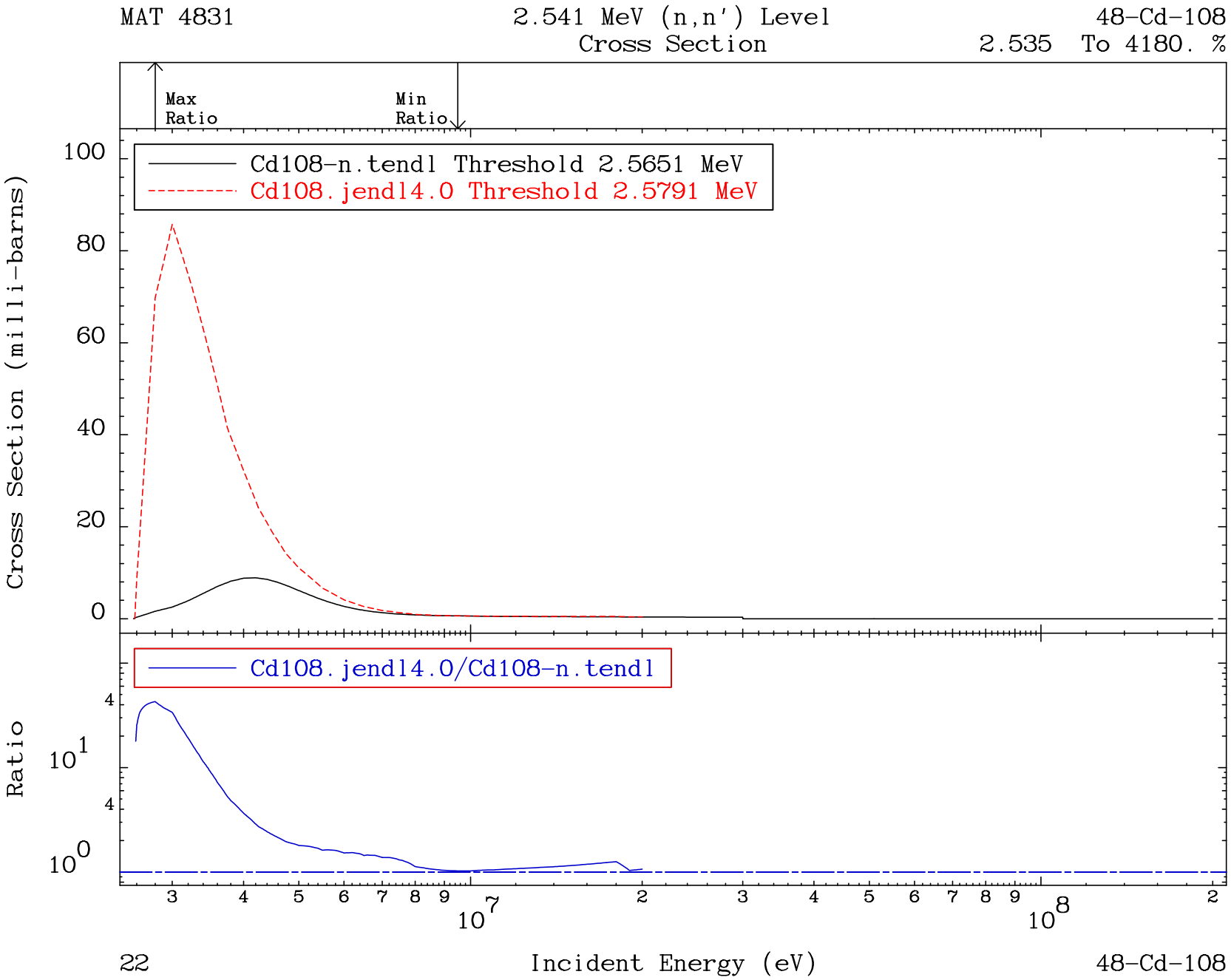

MAT 4831
2.239 MeV (n,n') Level
Cross Section
48-Cd-108
-44.76 To 27.62 %
Min Ratio
Max Ratio
Cd108-n.tendl Threshold 2.2603 MeV
Cd108.jendl4.0 Threshold 2.2603 MeV
Cross Section (milli-barns)
80
60
40
20
0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
1.2
0.8
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
17
Incident Energy (eV)
48-Cd-108

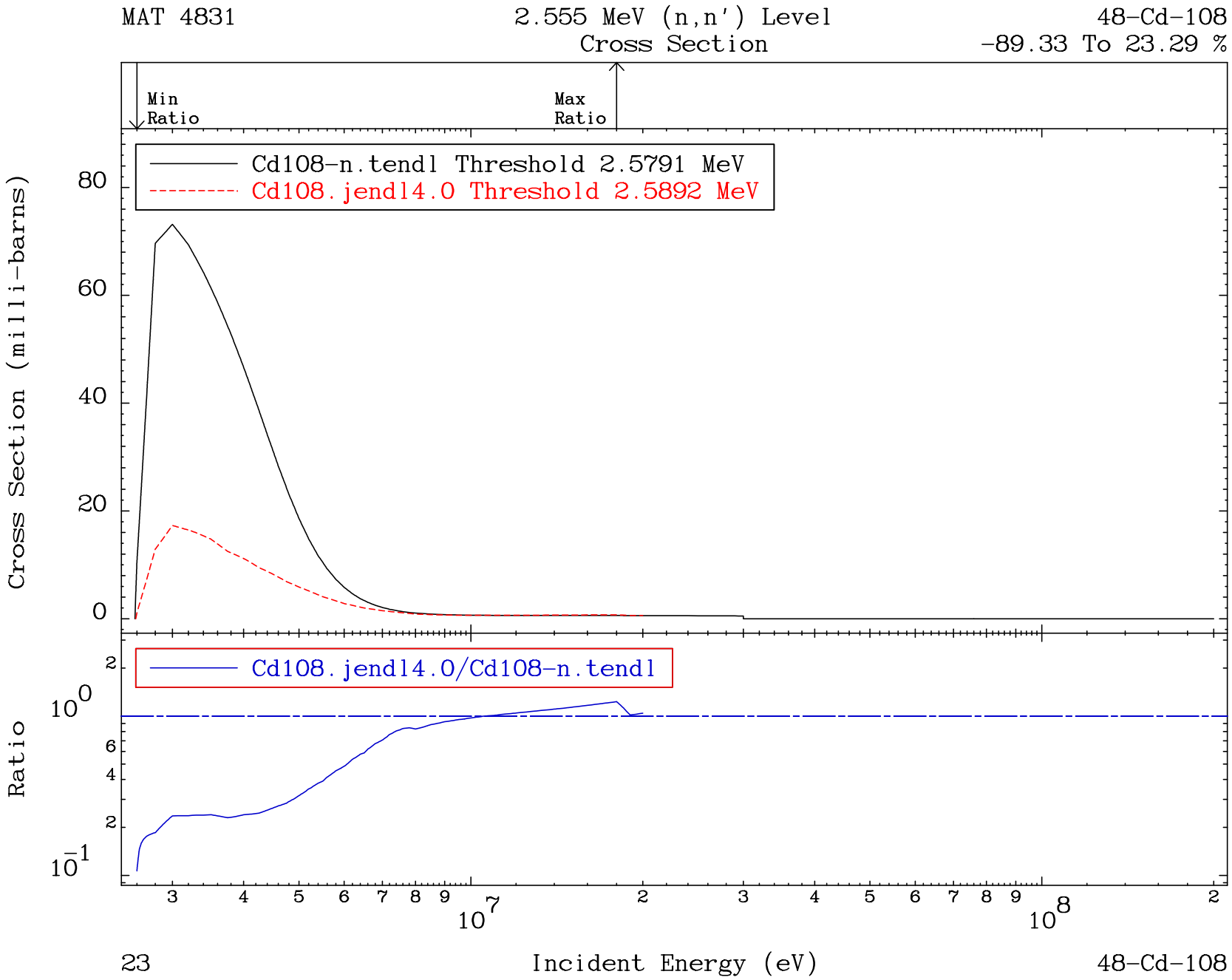

MAT 4831
2.366 MeV (n,n') Level
Cross Section
48-Cd-108
-59.42 To 14.34 %
Max Ratio
Min Ratio
Cd108-n.tendl Threshold 2.3879 MeV
Cd108.jendl4.0 Threshold 2.3879 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
1.2
0.8
0.4
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
18
Incident Energy (eV)
48-Cd-108

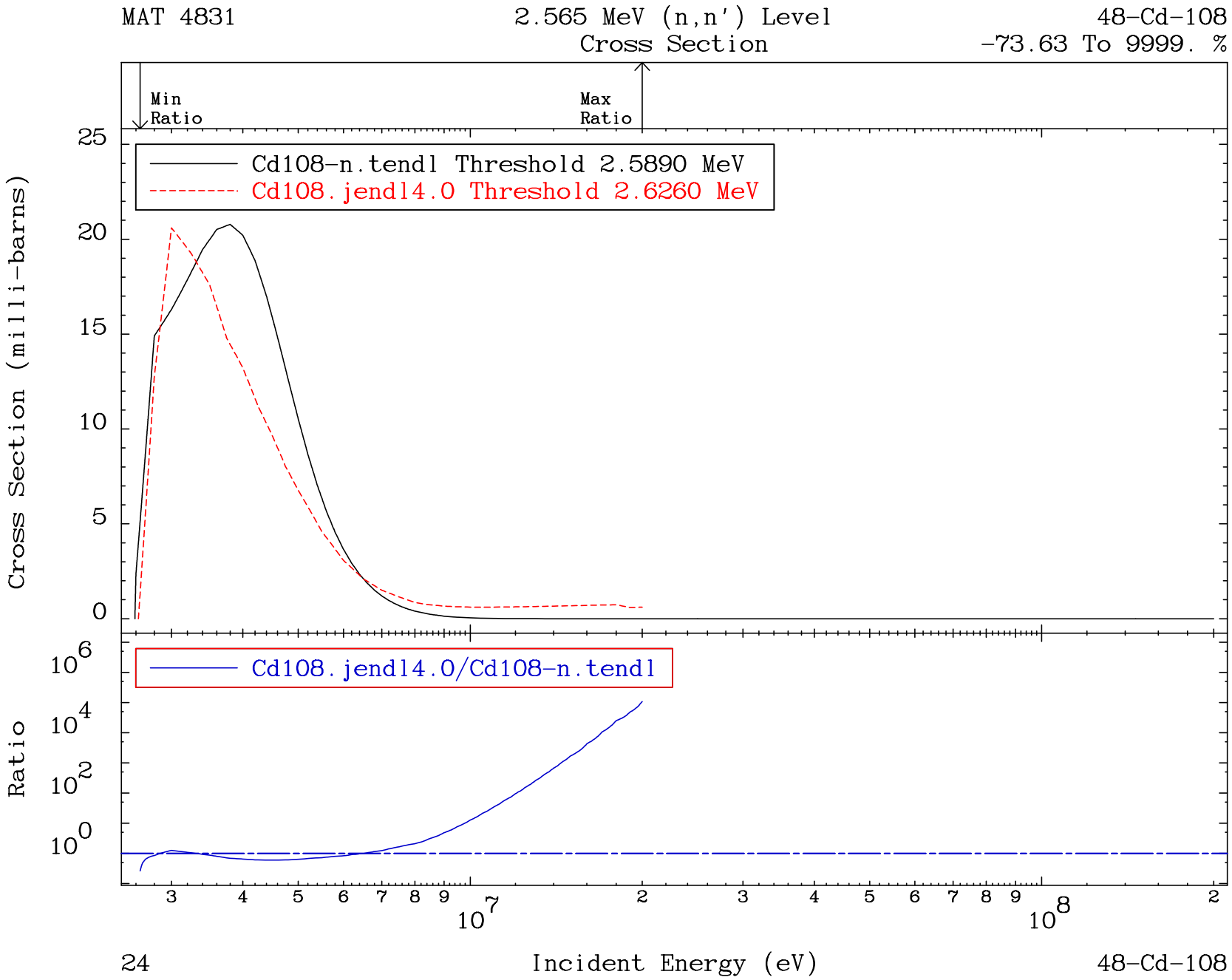

MAT 4831
2.375 MeV (n,n') Level
Cross Section
48-Cd-108
-34.51 To 9999. %
Min
Ratio
Max
Ratio
Cd108-n.tendl Threshold 2.3968 MeV
Cd108.jendl4.0 Threshold 2.3968 MeV
Cross Section (milli-barns)
40
30
20
10
0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
10^6
10^4
10^2
10^0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
19
Incident Energy (eV)
48-Cd-108

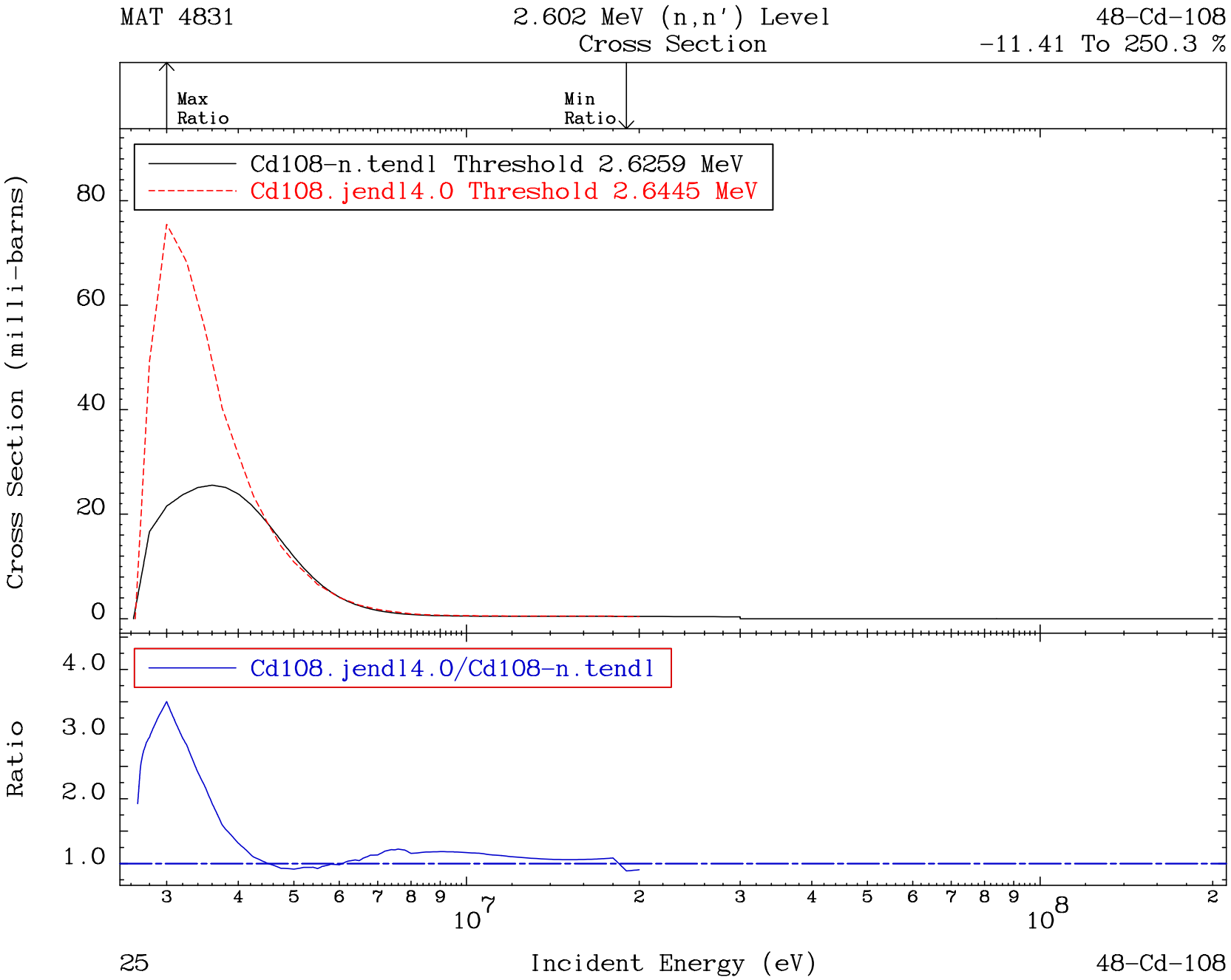

MAT 4831
2.486 MeV (n,n') Level
Cross Section
48-Cd-108
-59.28 To 13.51 %
Max Ratio
Min Ratio
Cd108-n.tendl Threshold 2.5096 MeV
Cd108.jendl4.0 Threshold 2.5096 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
1.2
0.8
0.4
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
20
Incident Energy (eV)
48-Cd-108

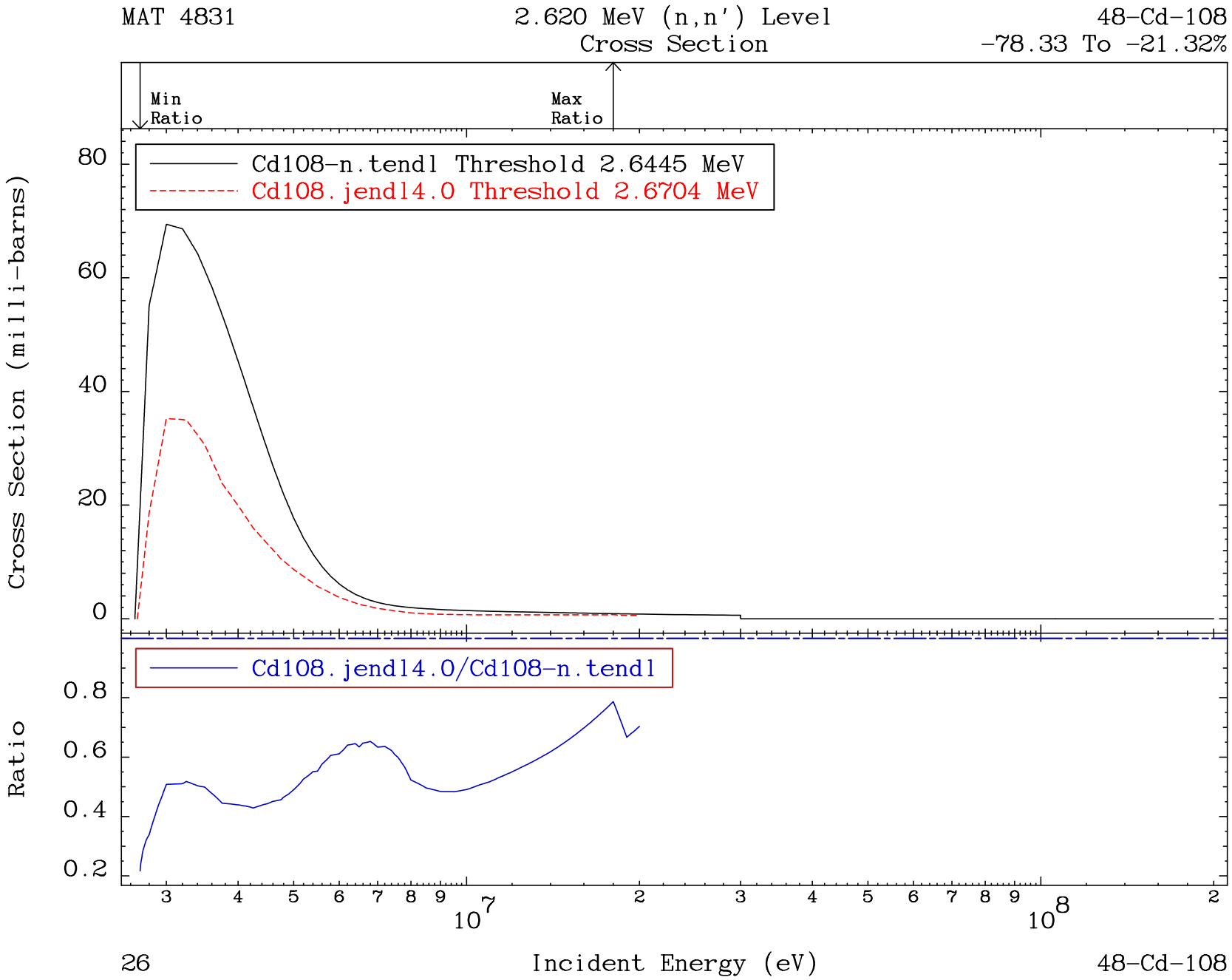

MAT 4831
2.500 MeV (n,n') Level
Cross Section
48-Cd-108
-99.74 To 50.15 %
Min Ratio
Max Ratio
Cd108-n.tendl Threshold 2.5234 MeV
Cd108.jendl4.0 Threshold 2.5651 MeV
Cross Section (milli-barns)
80
60
40
20
0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
10^0
10^-1
10^-2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
21
Incident Energy (eV)
48-Cd-108

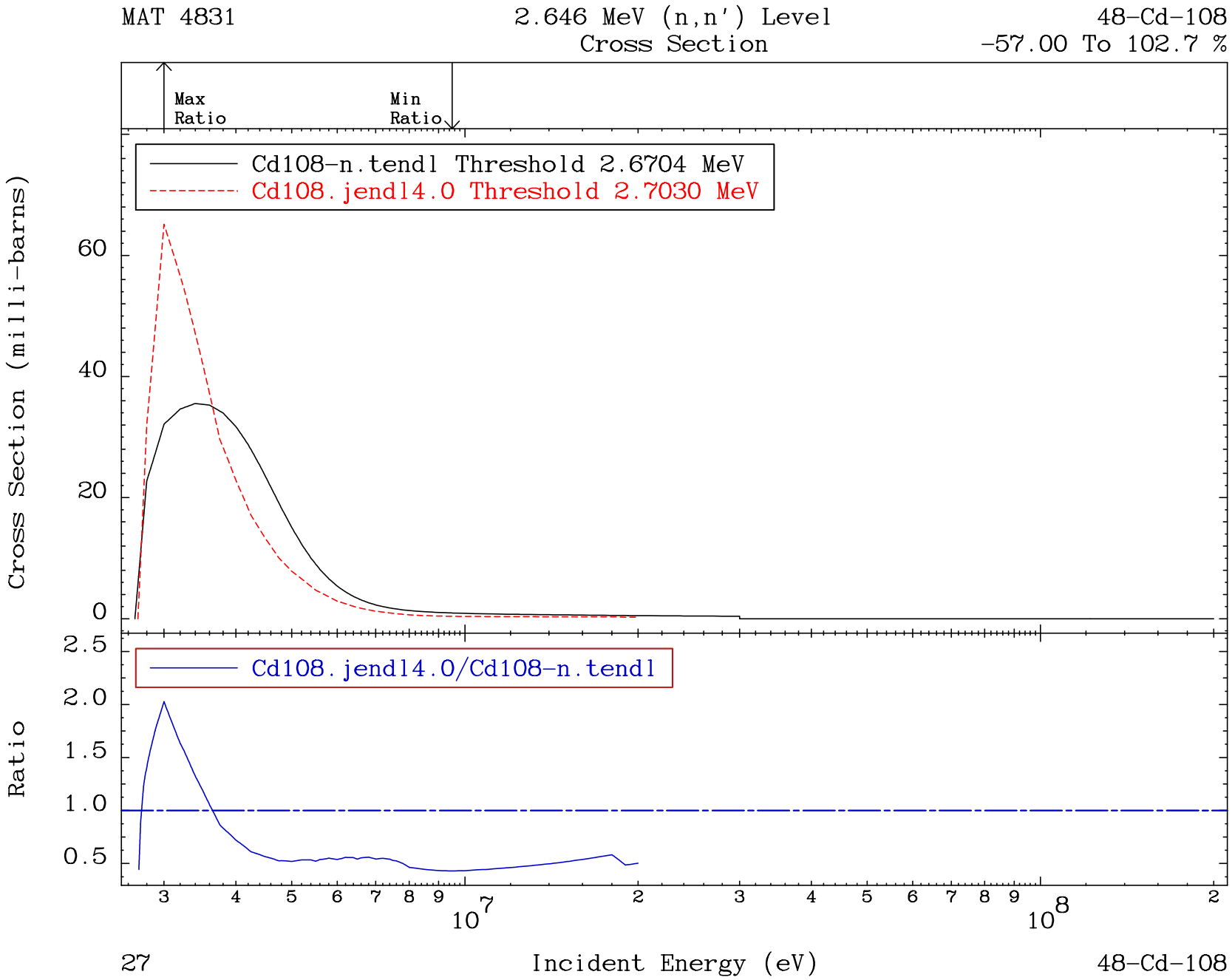

MAT 4831
2.541 MeV (n,n') Level
Cross Section
48-Cd-108
2.535 To 4180. %
Max Ratio
Min Ratio
Cd108-n.tendl Threshold 2.5651 MeV
Cd108.jendl4.0 Threshold 2.5791 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
10^1
4
10^0
4
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
22
Incident Energy (eV)
48-Cd-108

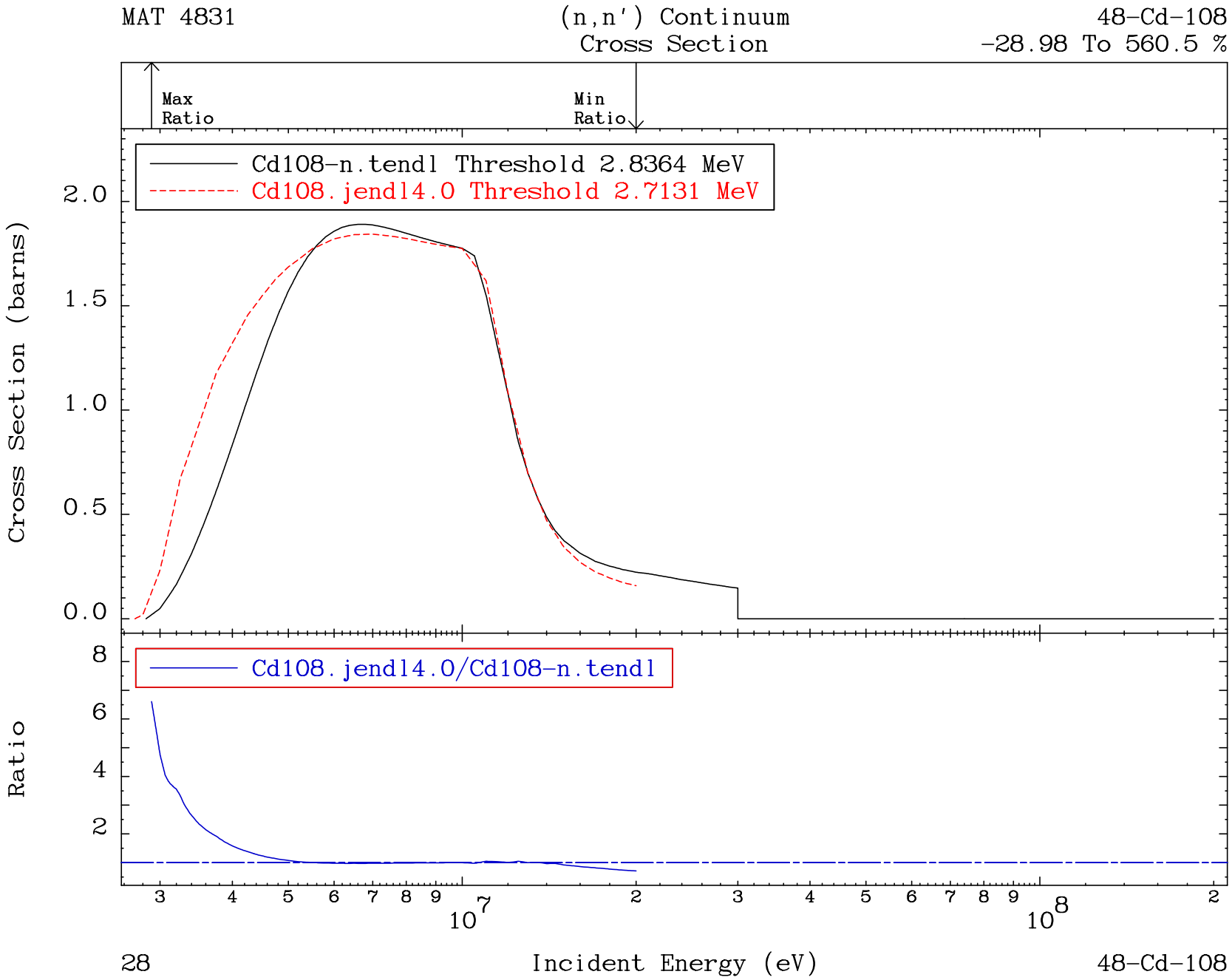

MAT 4831
2.555 MeV (n,n') Level
Cross Section
48-Cd-108
-89.33 To 23.29 %
Min Ratio
Max Ratio
Cd108-n.tendl Threshold 2.5791 MeV
Cd108.jendl4.0 Threshold 2.5892 MeV
Cross Section (milli-barns)
80
60
40
20
0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
2
10^0
6
4
2
10^-1
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
23
Incident Energy (eV)
48-Cd-108

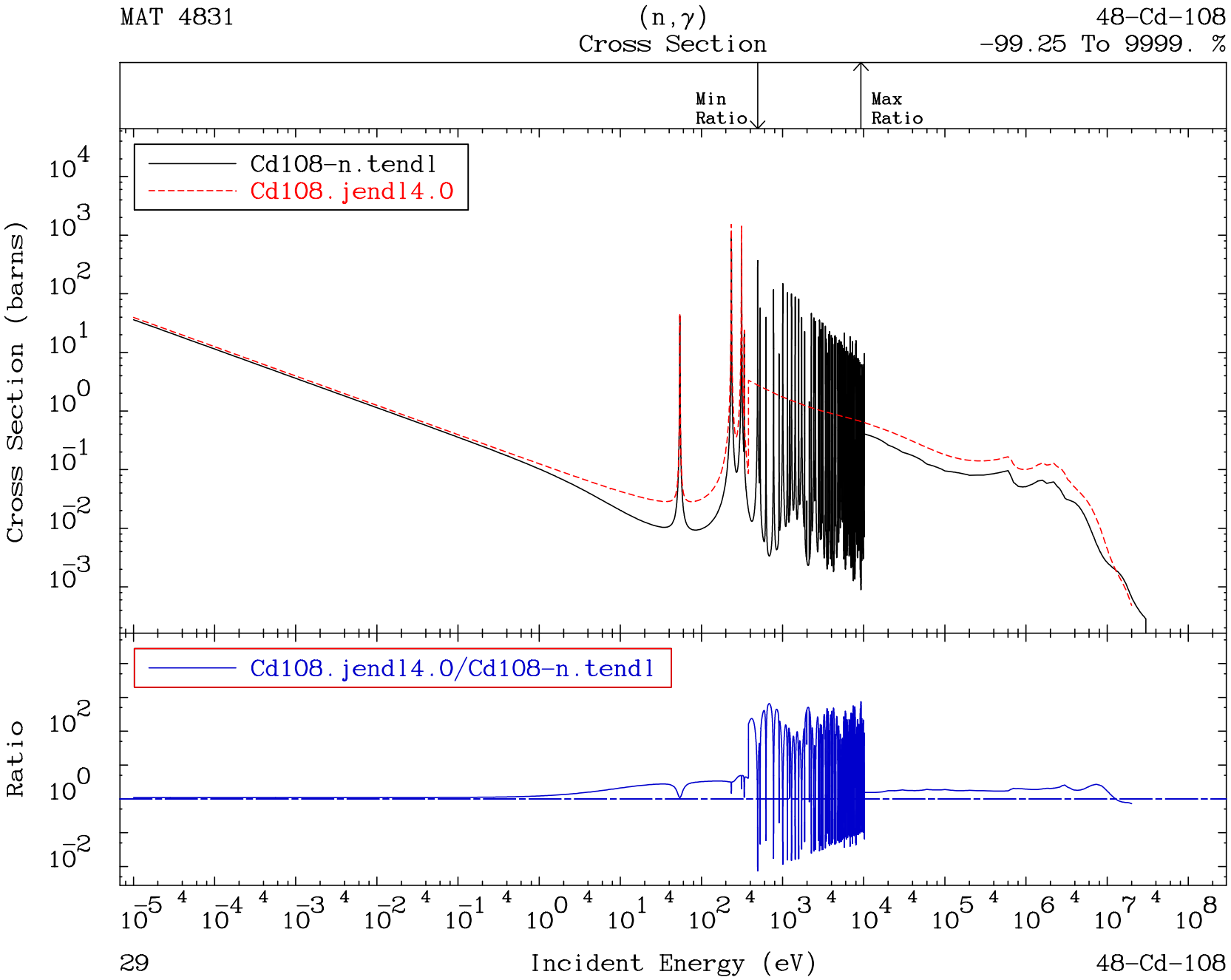

MAT 4831
2.565 MeV (n,n') Level
Cross Section
48-Cd-108
-73.63 To 9999. %
Min Ratio
Max Ratio
Cd108-n.tendl Threshold 2.5890 MeV
Cd108.jendl4.0 Threshold 2.6260 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
10^6
10^4
10^2
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
24
Incident Energy (eV)
48-Cd-108

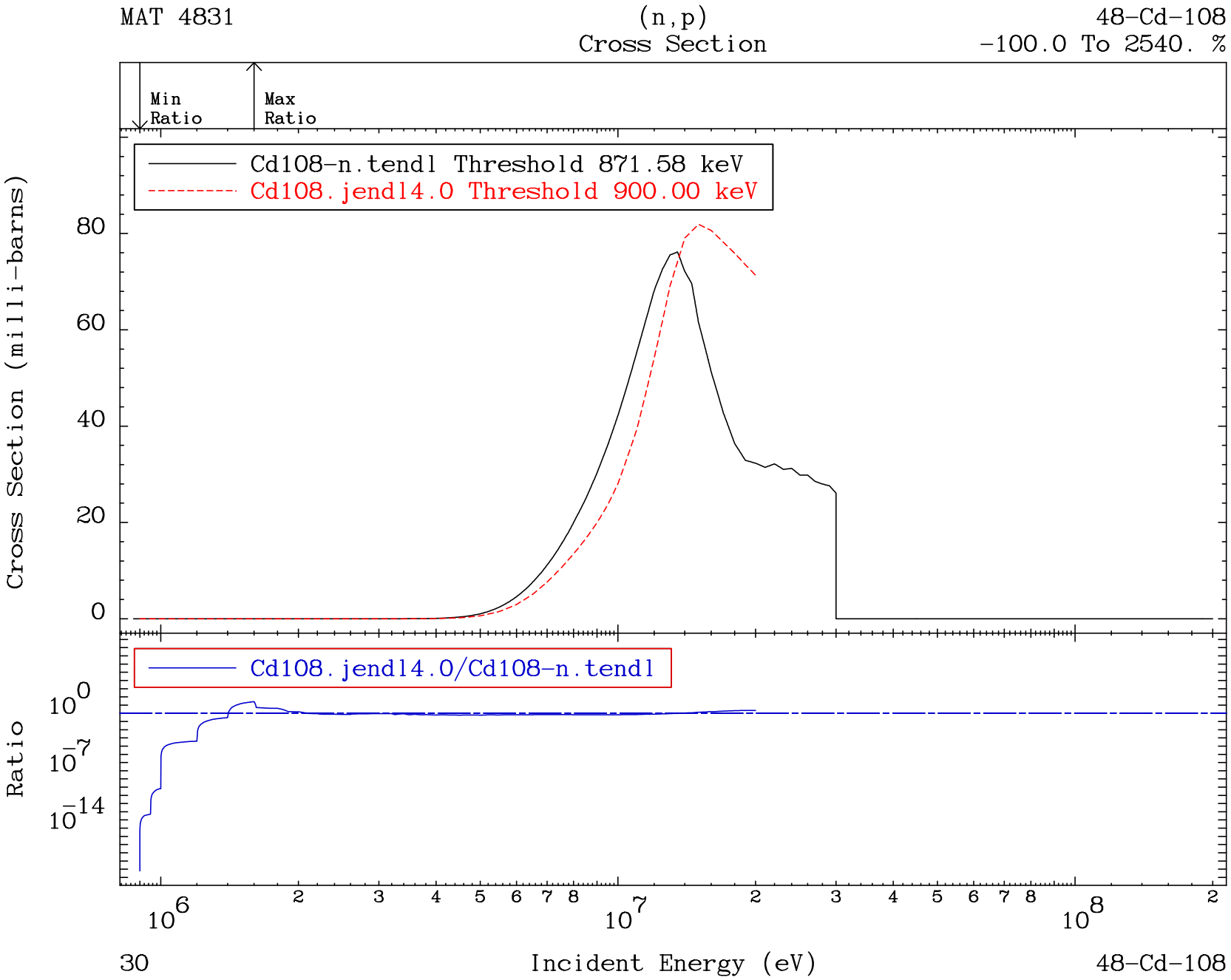

MAT 4831
2.602 MeV (n,n') Level
Cross Section
48-Cd-108
-11.41 To 250.3 %
Max Ratio
Min Ratio
Cd108-n.tendl Threshold 2.6259 MeV
Cd108.jendl4.0 Threshold 2.6445 MeV
Cross Section (milli-barns)
80
60
40
20
0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
4.0
3.0
2.0
1.0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
25
Incident Energy (eV)
48-Cd-108

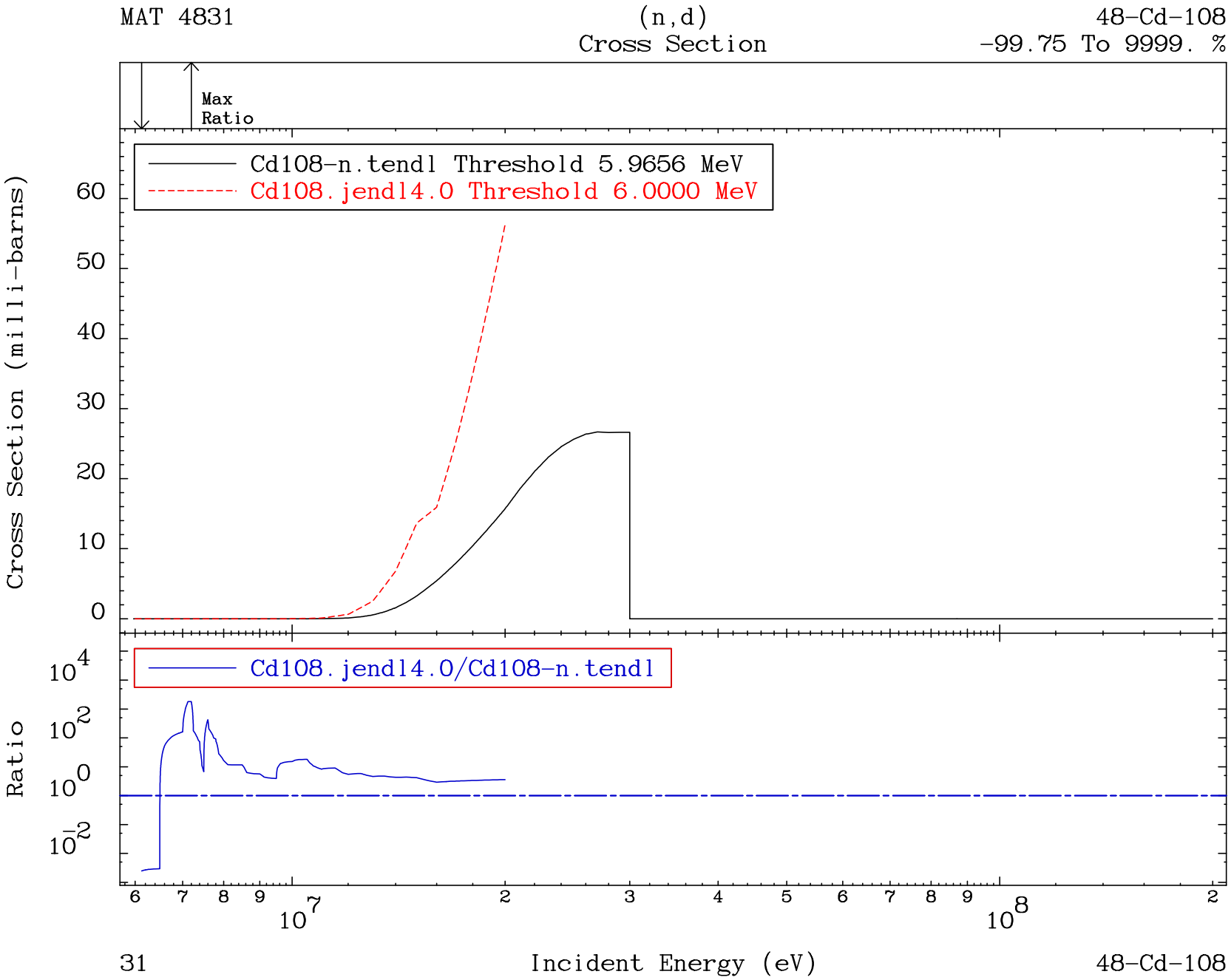

MAT 4831
2.620 MeV (n,n') Level
Cross Section
48-Cd-108
-78.33 To -21.32%
Min Ratio
Max Ratio
Cd108-n.tendl Threshold 2.6445 MeV
Cd108.jendl4.0 Threshold 2.6704 MeV
Cross Section (milli-barns)
80
60
40
20
0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
0.8
0.6
0.4
0.2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
26
Incident Energy (eV)
48-Cd-108

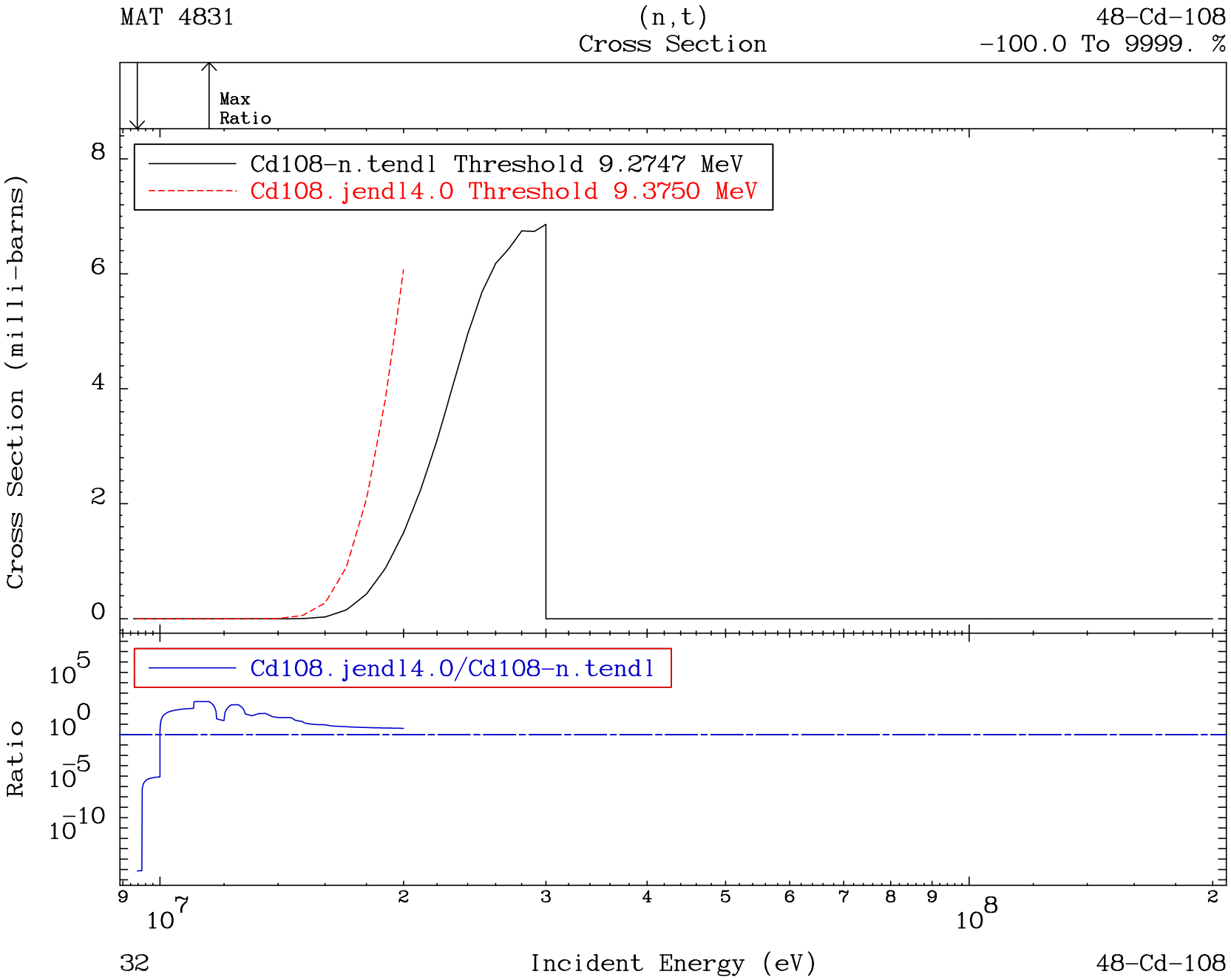

MAT 4831
2.646 MeV (n,n') Level
Cross Section
48-Cd-108
-57.00 To 102.7 %
Max Ratio
Min Ratio
Cd108-n.tendl Threshold 2.6704 MeV
Cd108.jendl4.0 Threshold 2.7030 MeV
Cross Section (milli-barns)
60
40
20
0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
2.5
2.0
1.5
1.0
0.5
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
27
Incident Energy (eV)
48-Cd-108

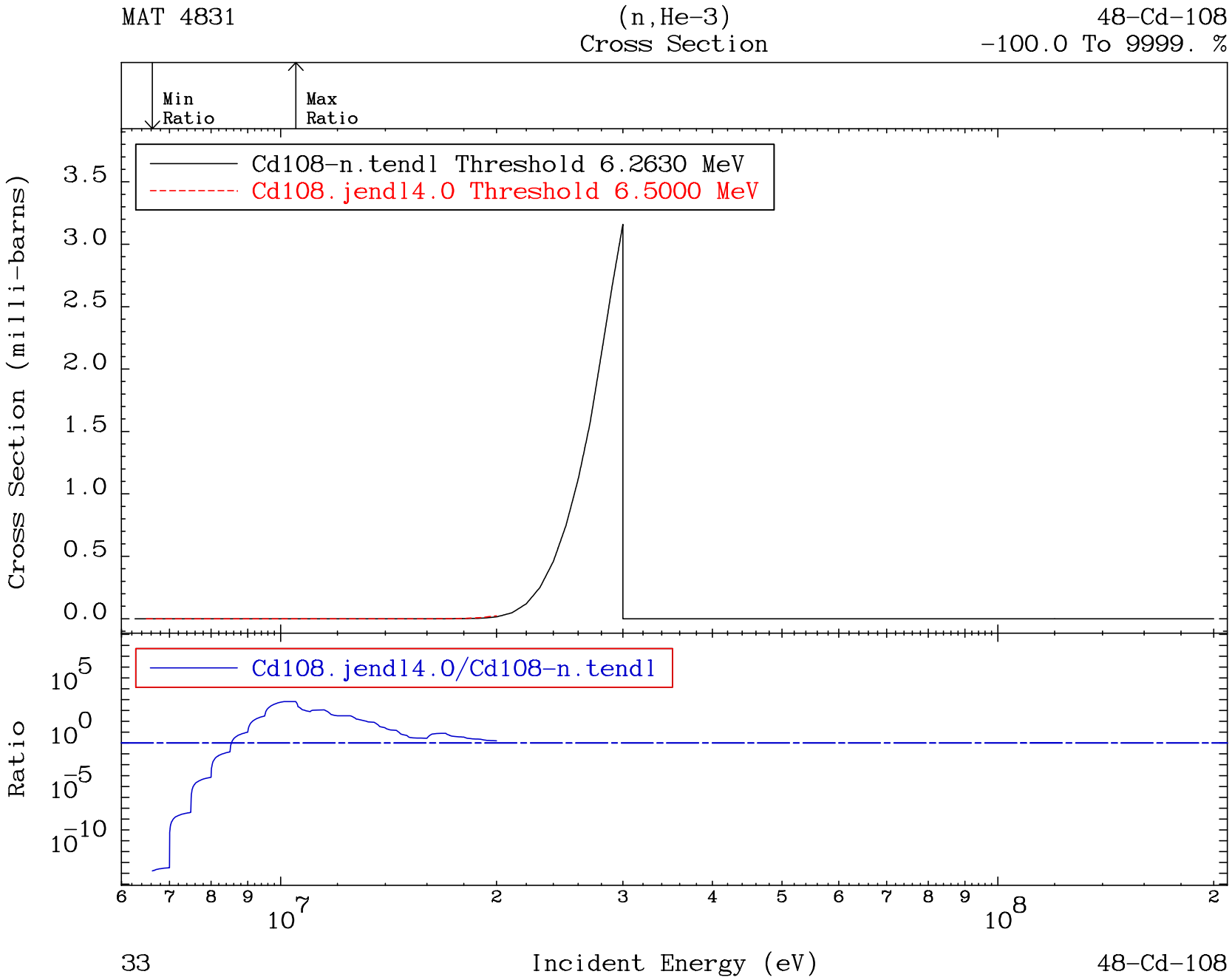

MAT 4831
(n,n') Continuum
Cross Section
48-Cd-108
-28.98 To 560.5 %
Max Ratio
Min Ratio
Cd108-n.tendl Threshold 2.8364 MeV
Cd108.jendl4.0 Threshold 2.7131 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
8
6
4
2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
28
Incident Energy (eV)
48-Cd-108

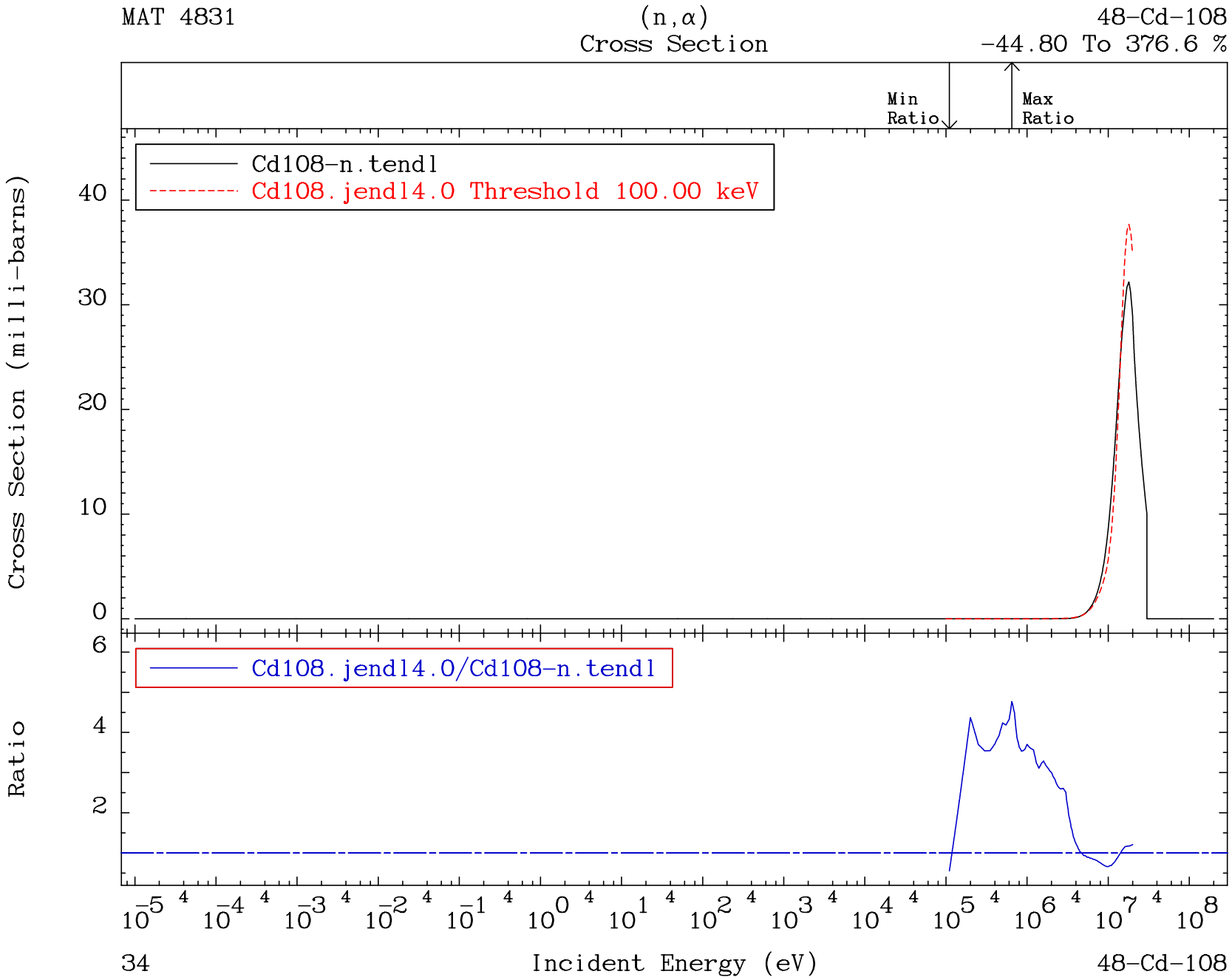

MAT 4831
(n,γ)
Cross Section
48-Cd-108
-99.25 To 9999. %
Min Ratio
Max Ratio
Cd108-n.tendl
Cd108.jendl4.0
Cross Section (barns)
Cd108.jendl4.0/Cd108-n.tendl
Ratio
29
Incident Energy (eV)
48-Cd-108

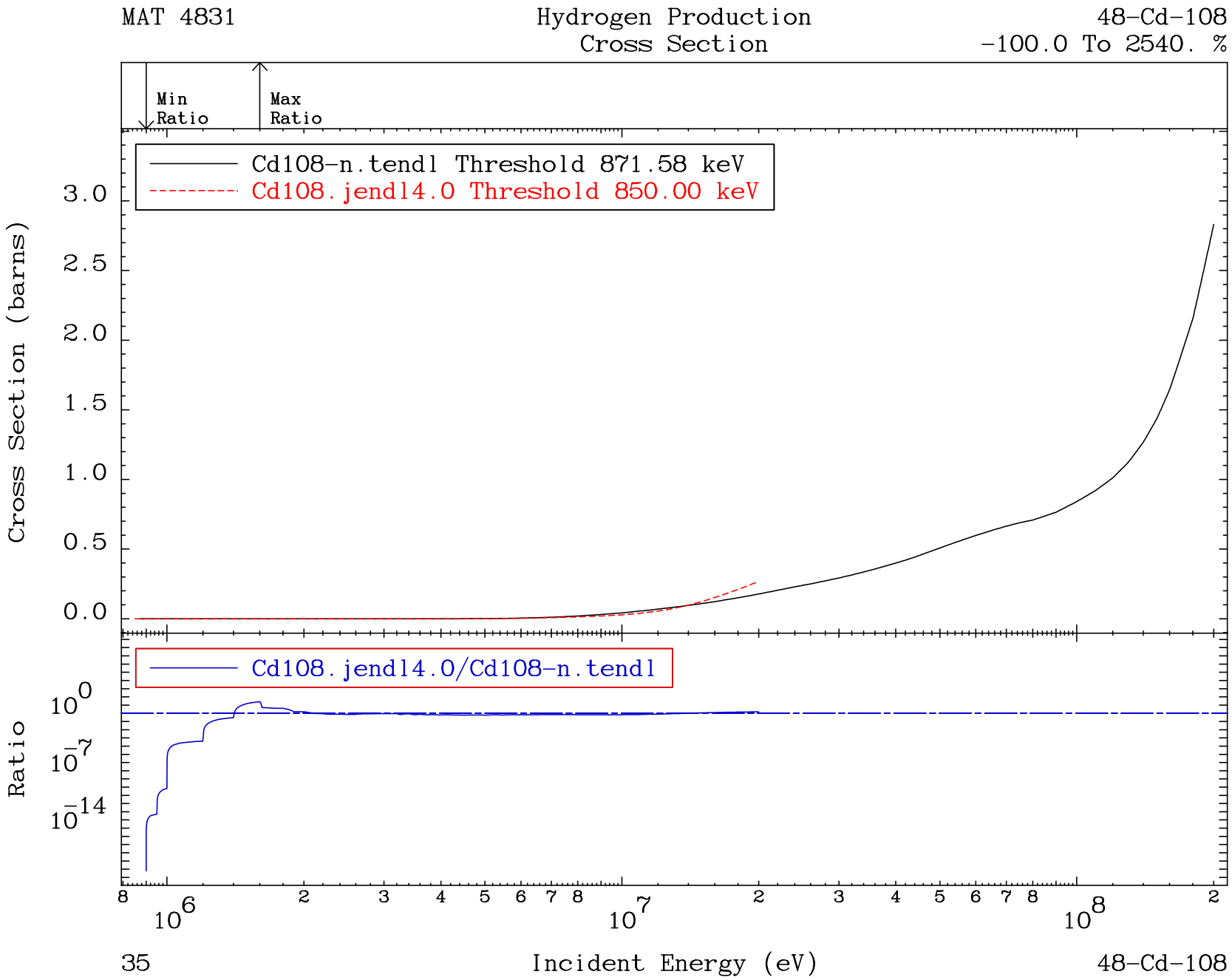

MAT 4831
(n,p)
Cross Section
48-Cd-108
-100.0 To 2540. %
Min Ratio
Max Ratio
Cd108-n.tendl Threshold 871.58 keV
Cd108.jendl4.0 Threshold 900.00 keV
Cross Section (milli-barns)
80
60
40
20
0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
10^0
10^-7
10^-14
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
30
Incident Energy (eV)
48-Cd-108

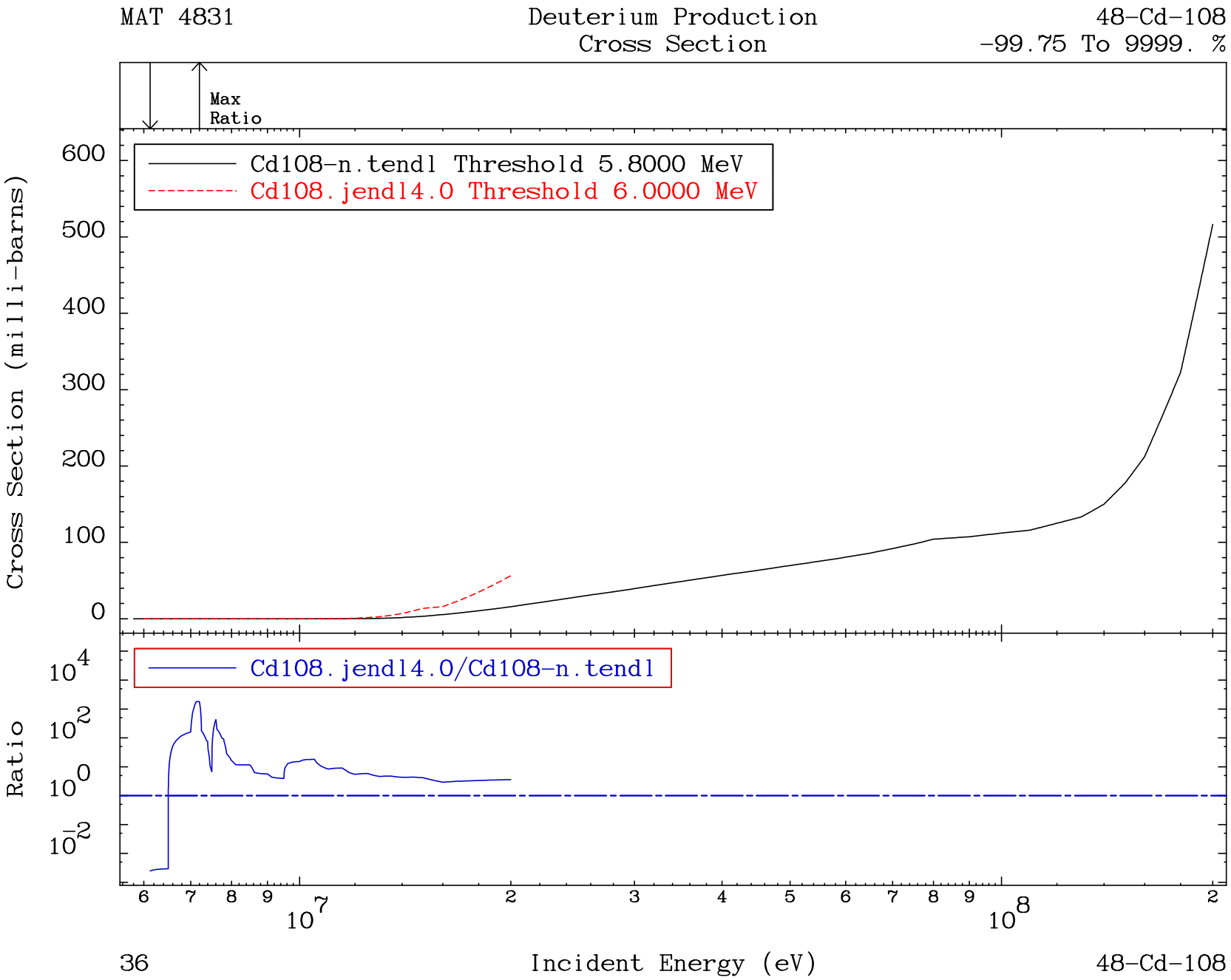

MAT 4831
(n,d)
Cross Section
48-Cd-108
-99.75 To 9999. %
Max
Ratio
Cd108-n.tendl Threshold 5.9656 MeV
Cd108.jendl4.0 Threshold 6.0000 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
10^4
10^2
10^0
10^-2
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
31
Incident Energy (eV)
48-Cd-108

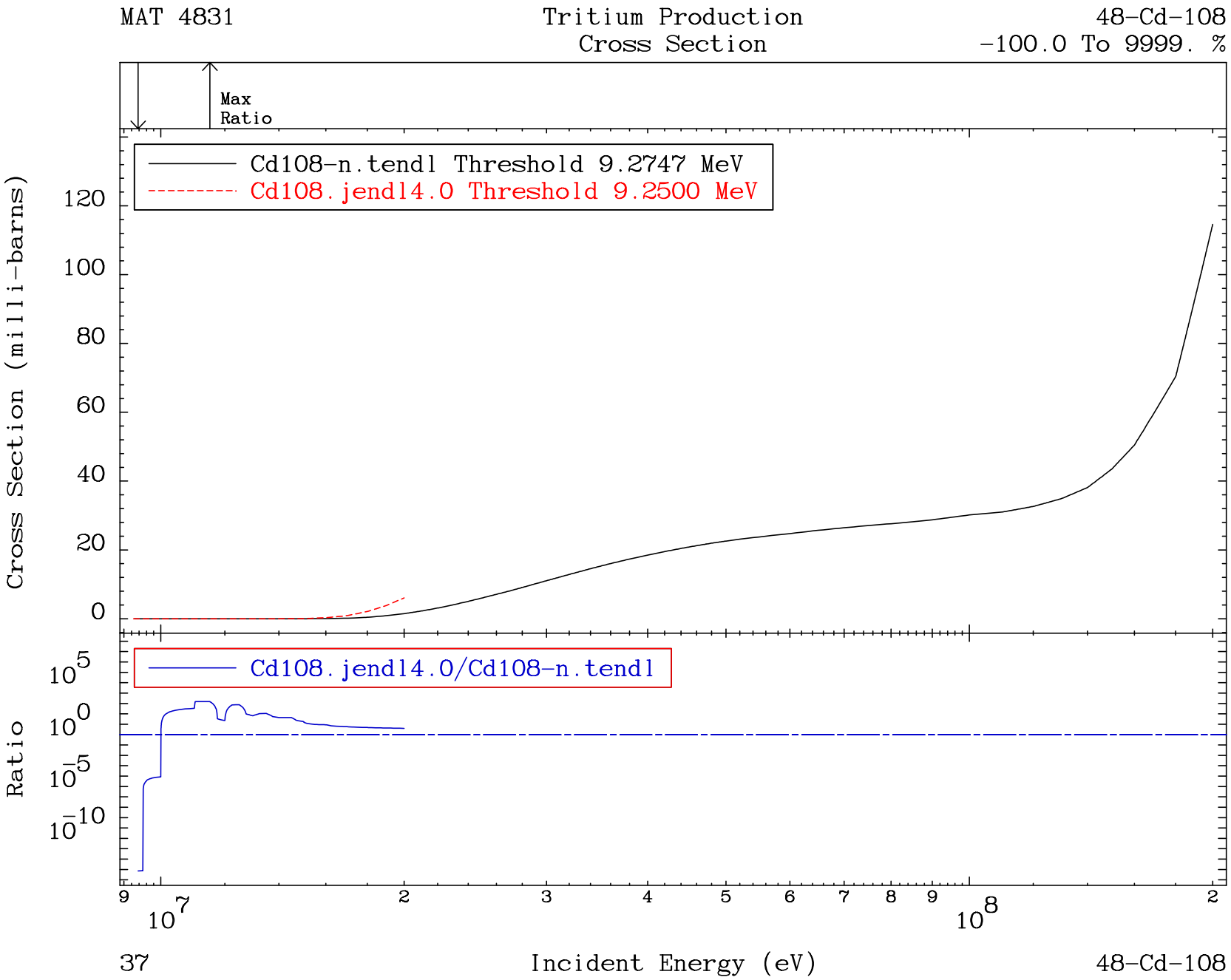

MAT 4831
(n,t)
Cross Section
48-Cd-108
-100.0 To 9999. %
Max
Ratio
Cd108-n.tendl Threshold 9.2747 MeV
Cd108.jendl4.0 Threshold 9.3750 MeV
Cross Section (milli-barns)
Cd108.jendl4.0/Cd108-n.tendl
Ratio
Incident Energy (eV)
32
48-Cd-108

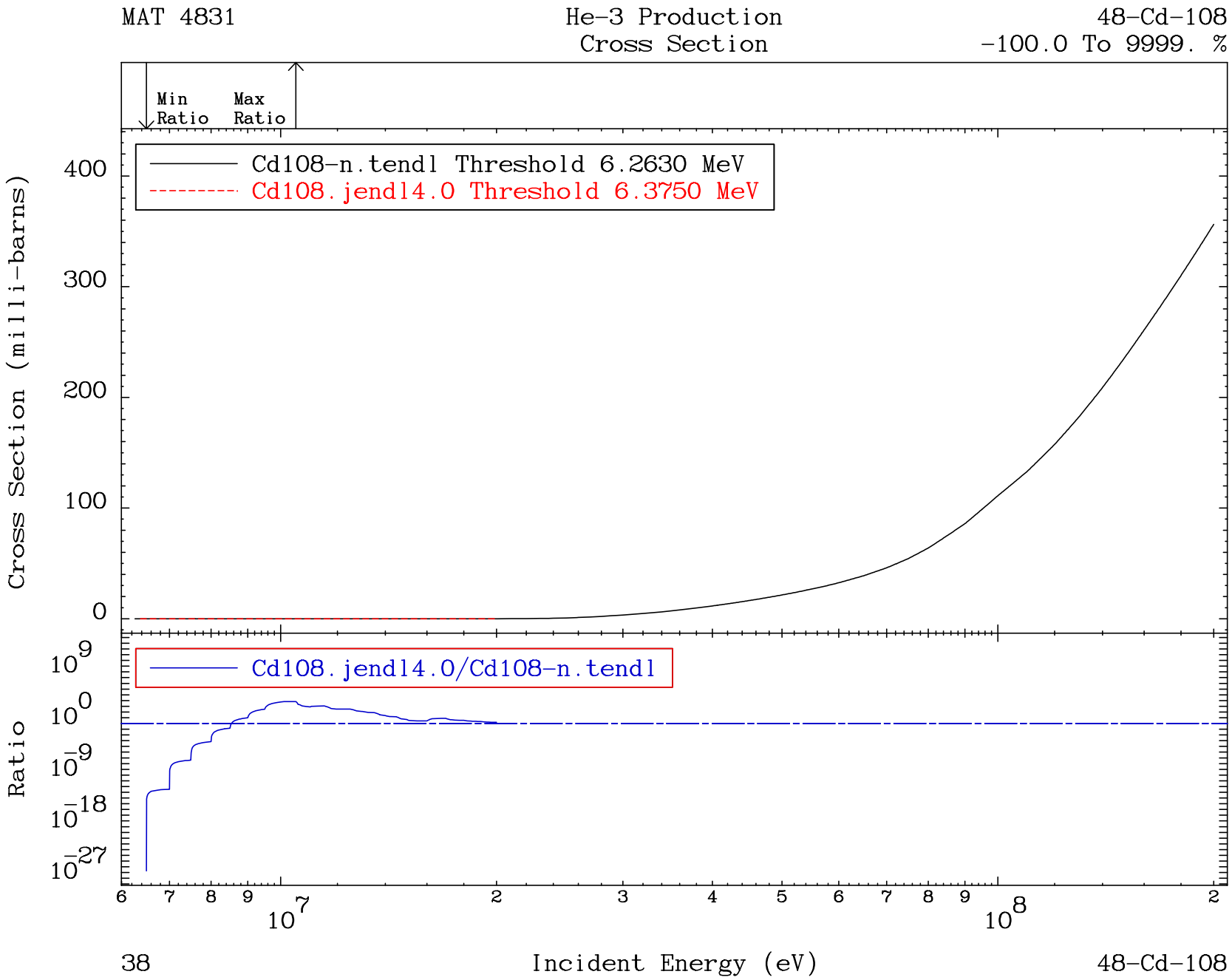

MAT 4831
(n,He-3)
Cross Section
48-Cd-108
-100.0 To 9999. %
Min Ratio
Max Ratio
Cd108-n.tendl Threshold 6.2630 MeV
Cd108.jendl4.0 Threshold 6.5000 MeV
Cross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
10^5
10^0
10^-5
10^-10
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
33
Incident Energy (eV)
48-Cd-108

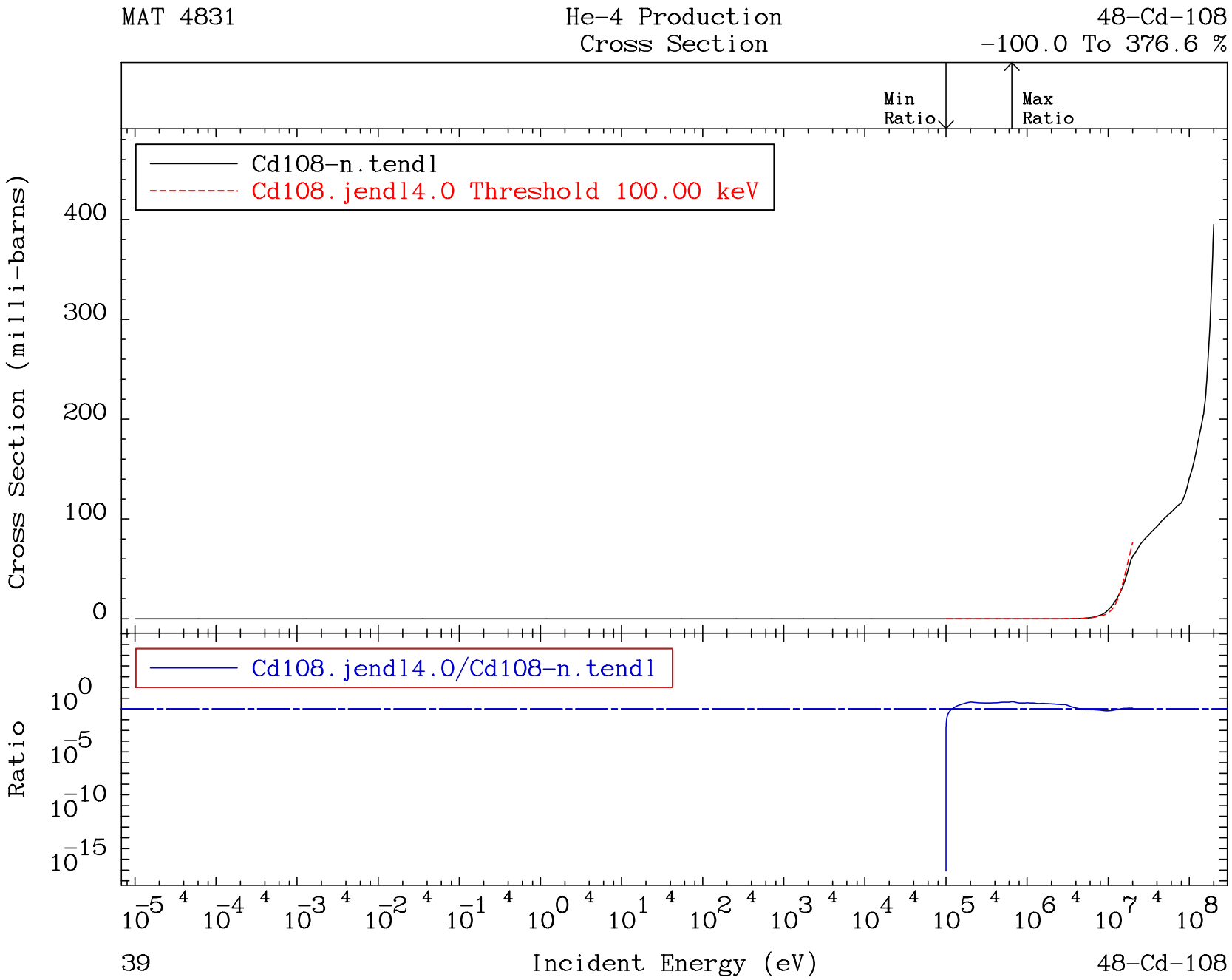

MAT 4831
(n,α)
Cross Section
48-Cd-108
-44.80 To 376.6 %
Min Ratio
Max Ratio
Cd108-n.tendl
Cd108.jendl4.0 Threshold 100.00 keV
Cross Section (milli-barns)
40
30
20
10
0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
6
4
2
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
34
Incident Energy (eV)
48-Cd-108

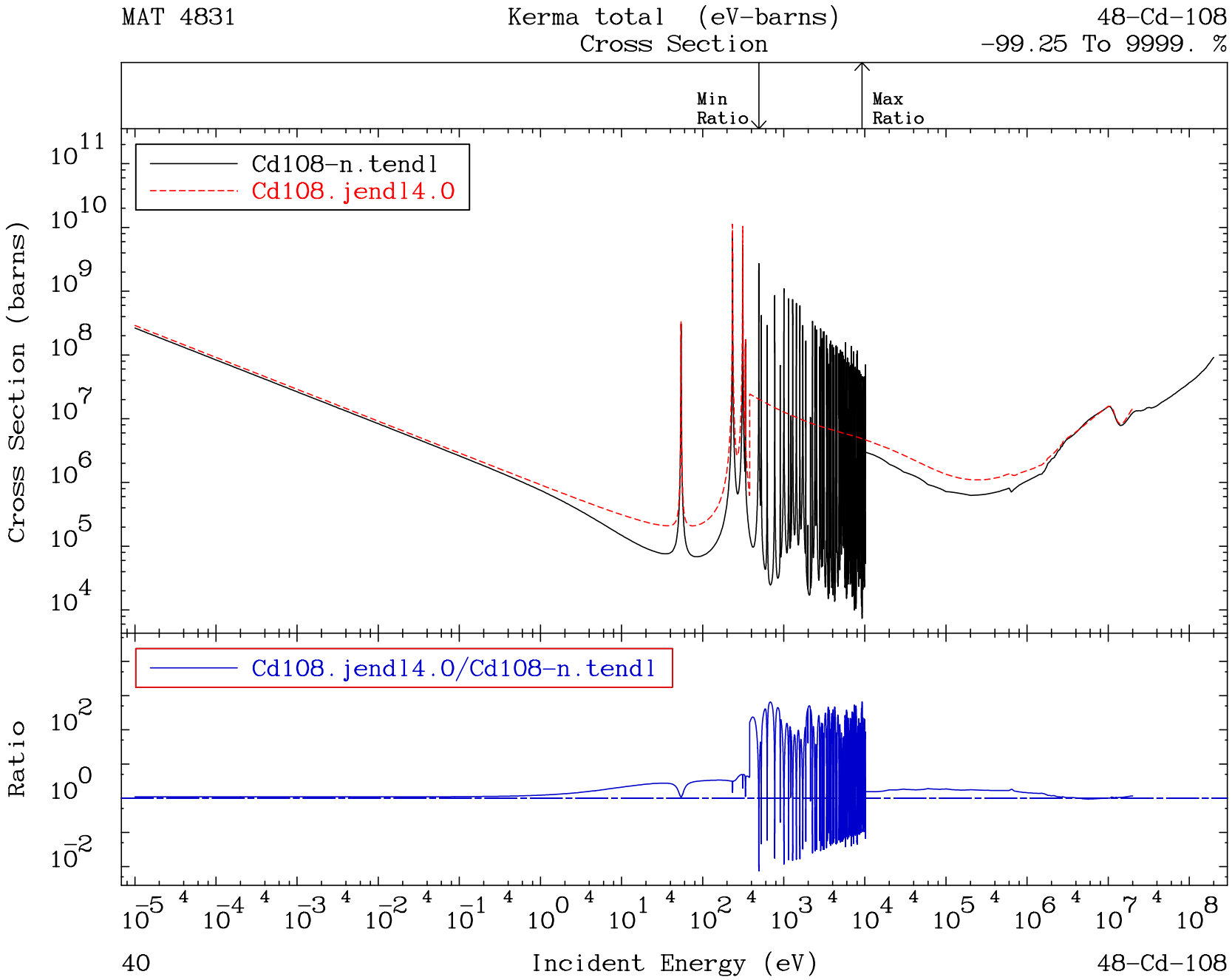

MAT 4831
Hydrogen Production
Cross Section
48-Cd-108
-100.0 To 2540. %
Min Ratio
Max Ratio
Cd108-n.tendl Threshold 871.58 keV
Cd108.jendl4.0 Threshold 850.00 keV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
10^0
10^-7
10^-14
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
35
Incident Energy (eV)
48-Cd-108

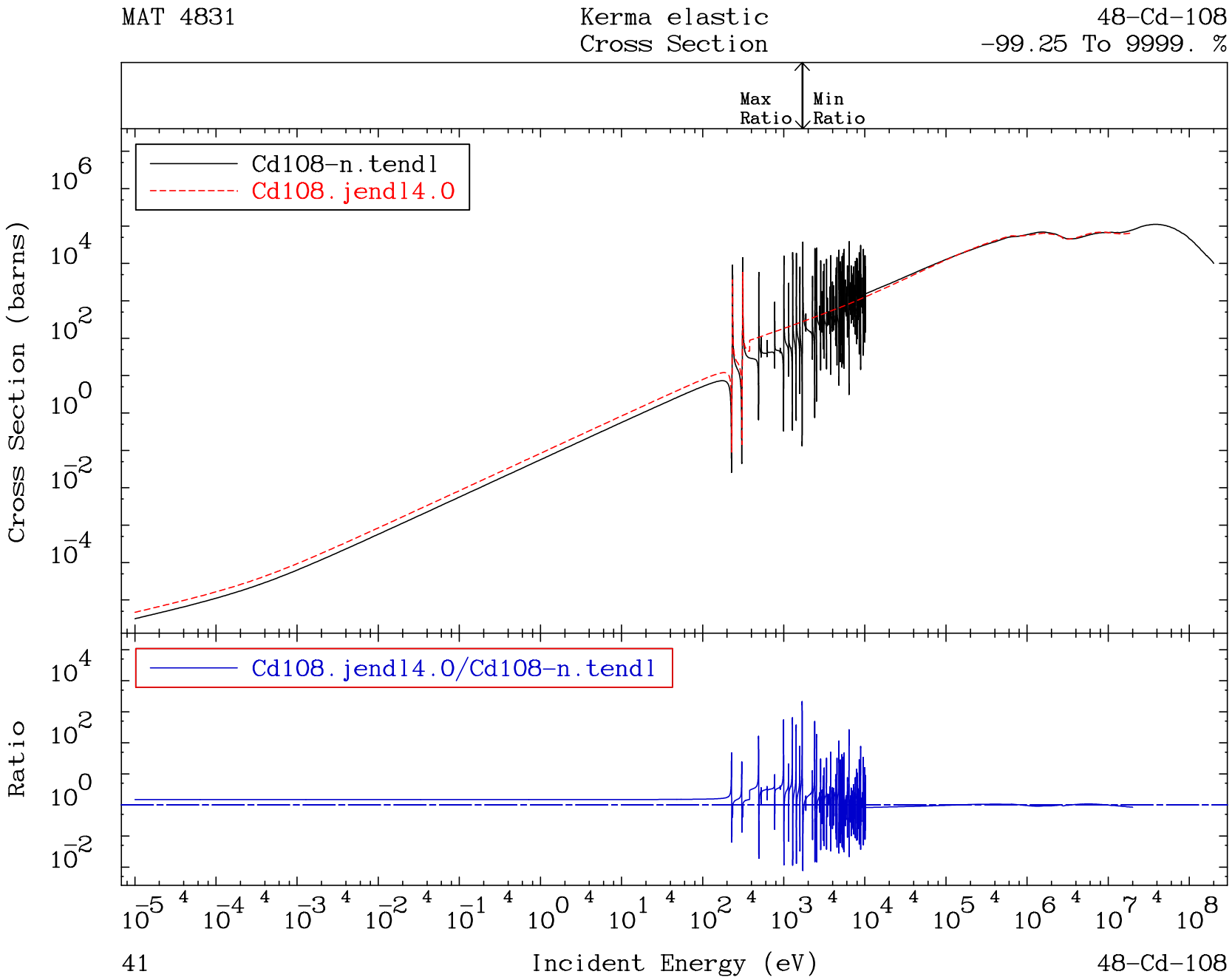

MAT 4831
Deuterium Production
Cross Section
48-Cd-108
-99.75 To 9999. %
Max
Ratio
Cd108-n.tendl Threshold 5.8000 MeV
Cd108.jendl4.0 Threshold 6.0000 MeV
Cross Section (milli-barns)
600
500
400
300
200
100
0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
10^4
10^2
10^0
10^-2
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
36
Incident Energy (eV)
48-Cd-108

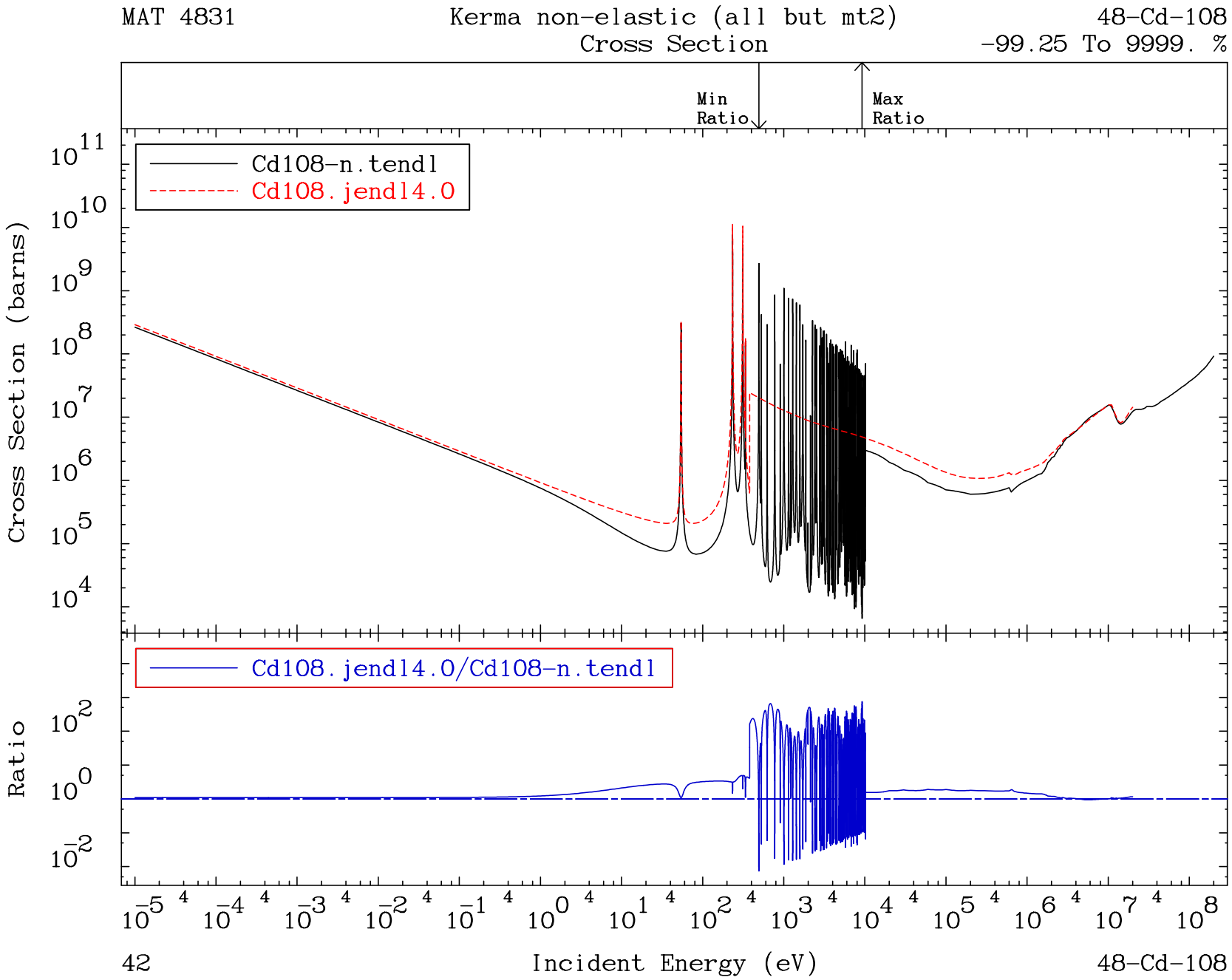

MAT 4831
Tritium Production
Cross Section
48-Cd-108
-100.0 To 9999. %
Max
Ratio
Cd108-n.tendl Threshold 9.2747 MeV
Cd108.jendl4.0 Threshold 9.2500 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
10^5
10^0
10^-5
10^-10
9
10^7
2
3
4
5
6
7
8
9
10^8
2
37
Incident Energy (eV)
48-Cd-108

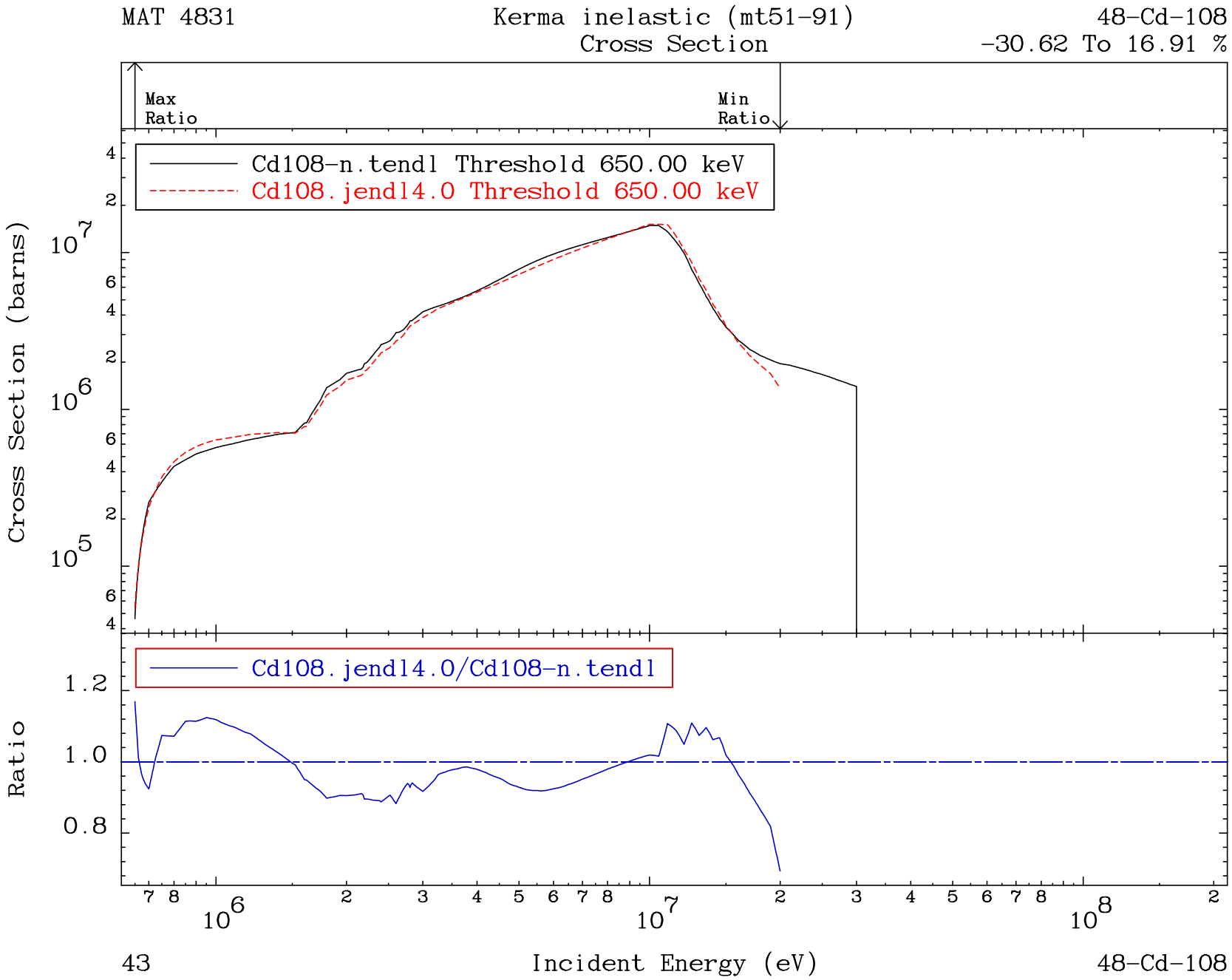

MAT 4831
He-3 Production
Cross Section
48-Cd-108
-100.0 To 9999. %
Min Ratio
Max Ratio
Cd108-n.tendl Threshold 6.2630 MeV
Cd108.jendl4.0 Threshold 6.3750 MeV
Cross Section (milli-barns)
400
300
200
100
0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
10^9
10^0
10^-9
10^-18
10^-27
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
38
Incident Energy (eV)
48-Cd-108

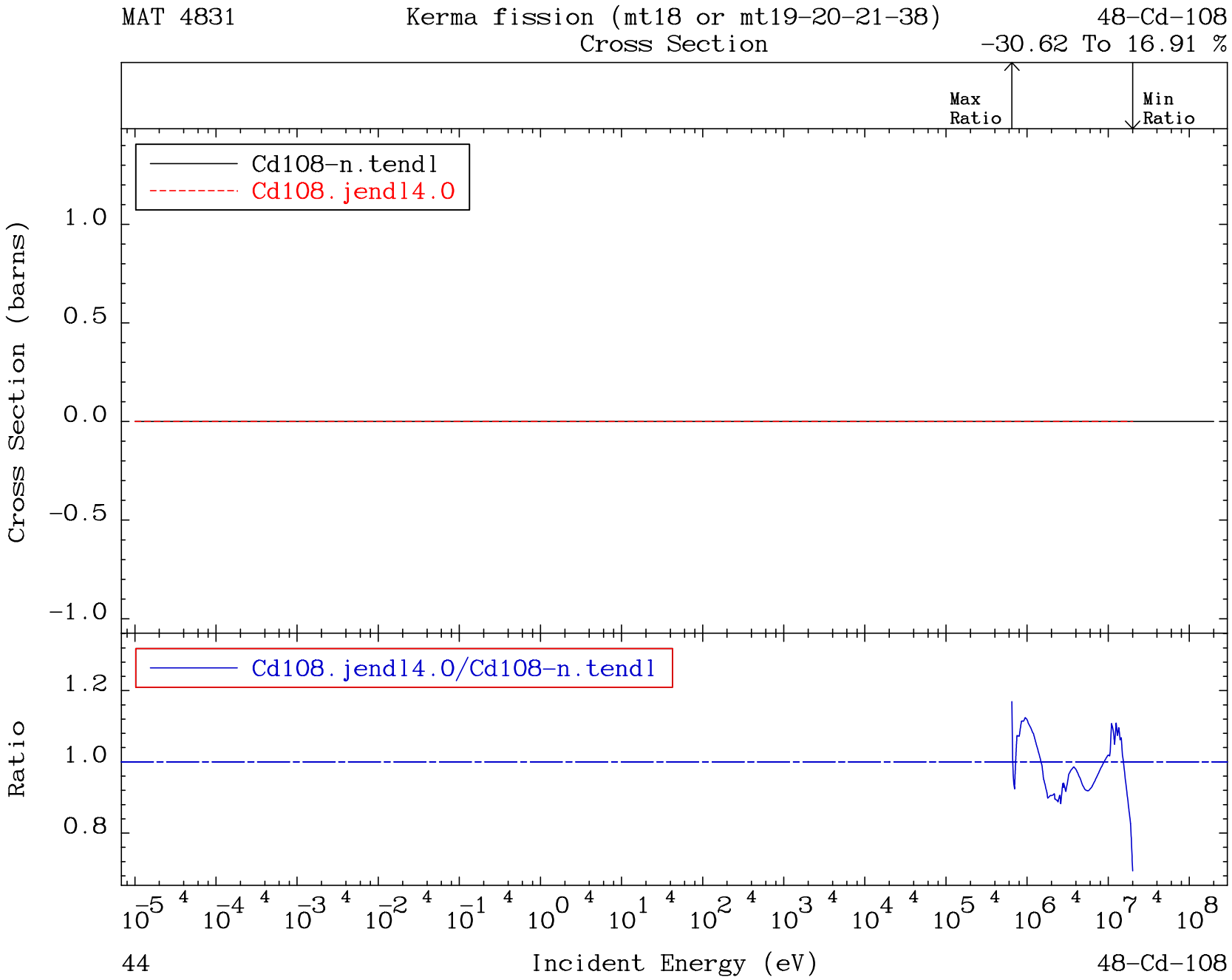

MAT 4831
He-4 Production
Cross Section
48-Cd-108
-100.0 To 376.6 %
Min Ratio
Max Ratio
Cd108-n.tendl
Cd108.jendl4.0 Threshold 100.00 keV
Cross Section (milli-barns)
400
300
200
100
0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
10^0
10^-5
10^-10
10^-15
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
39
Incident Energy (eV)
48-Cd-108

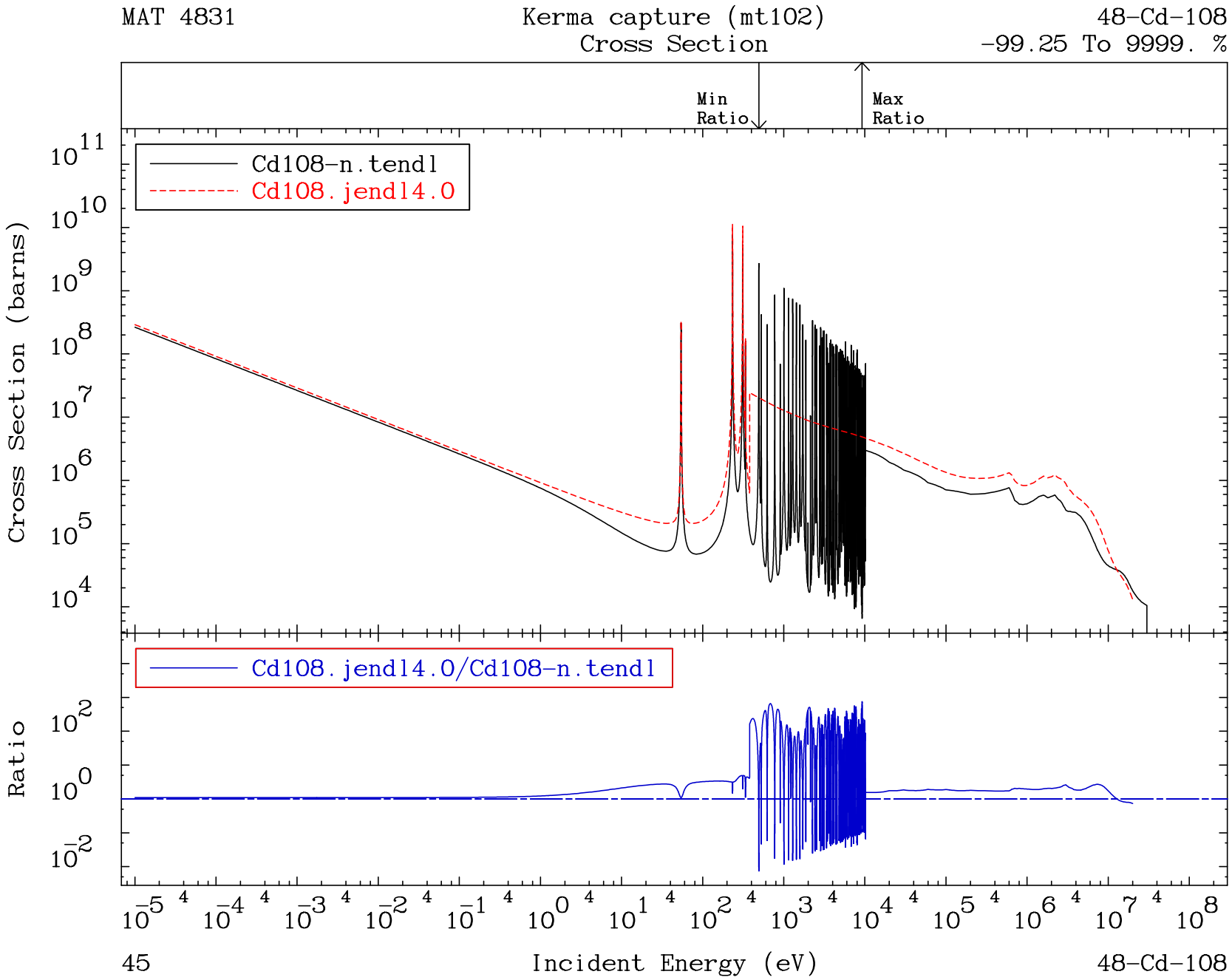

MAT 4831
Kerma total (eV-barns)
Cross Section
48-Cd-108
-99.25 To 9999. %
Min Ratio
Max Ratio
Cd108-n.tendl
Cd108.jendl4.0
Cross Section (barns)
Cd108.jendl4.0/Cd108-n.tendl
Ratio
Incident Energy (eV)
40
48-Cd-108

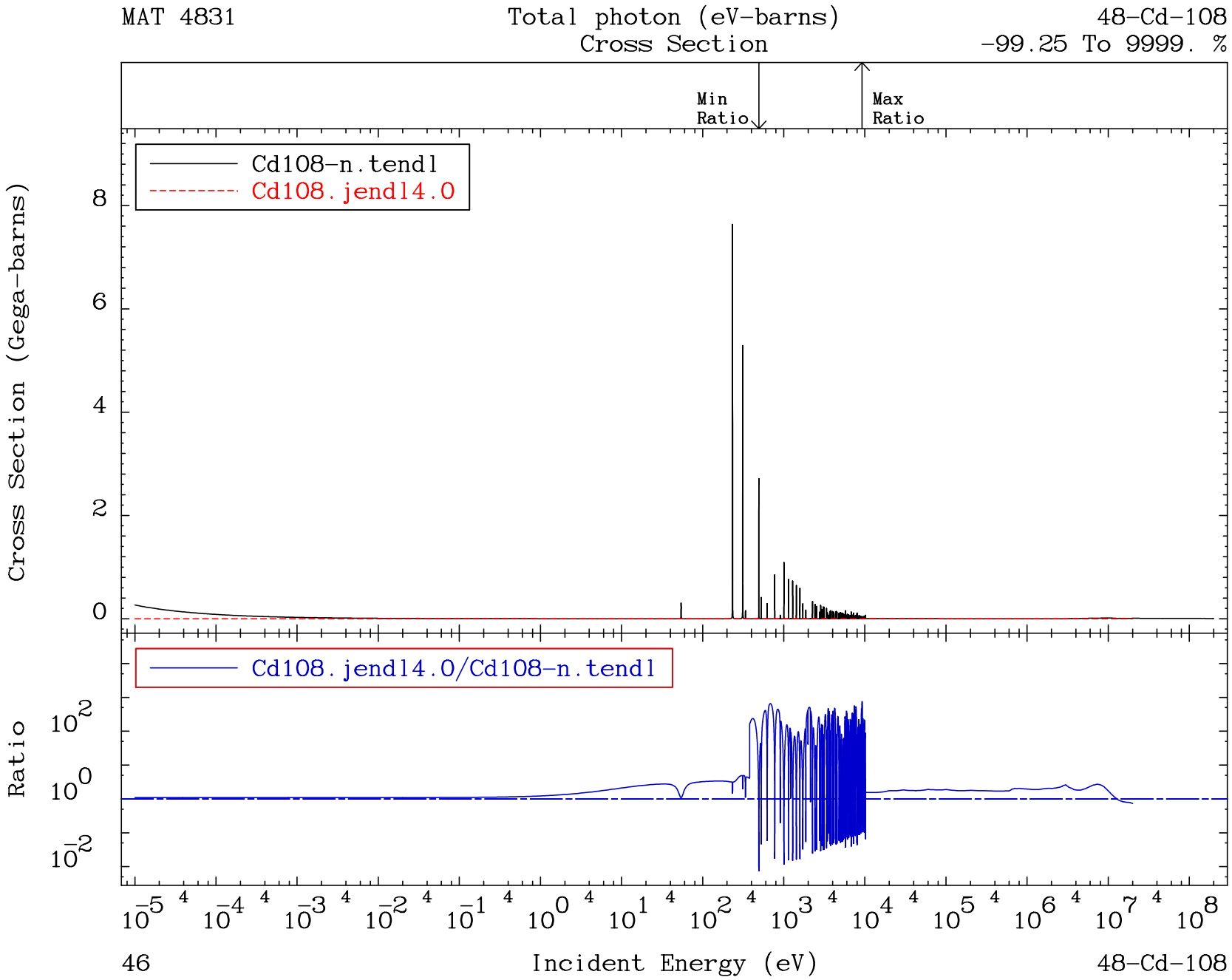

MAT 4831
Kerma elastic
Cross Section
48-Cd-108
-99.25 To 9999. %
Max Ratio
Min Ratio
Cd108-n.tendl
Cd108.jendl4.0
Cross Section (barns)
Cd108.jendl4.0/Cd108-n.tendl
Ratio
Incident Energy (eV)
41
48-Cd-108

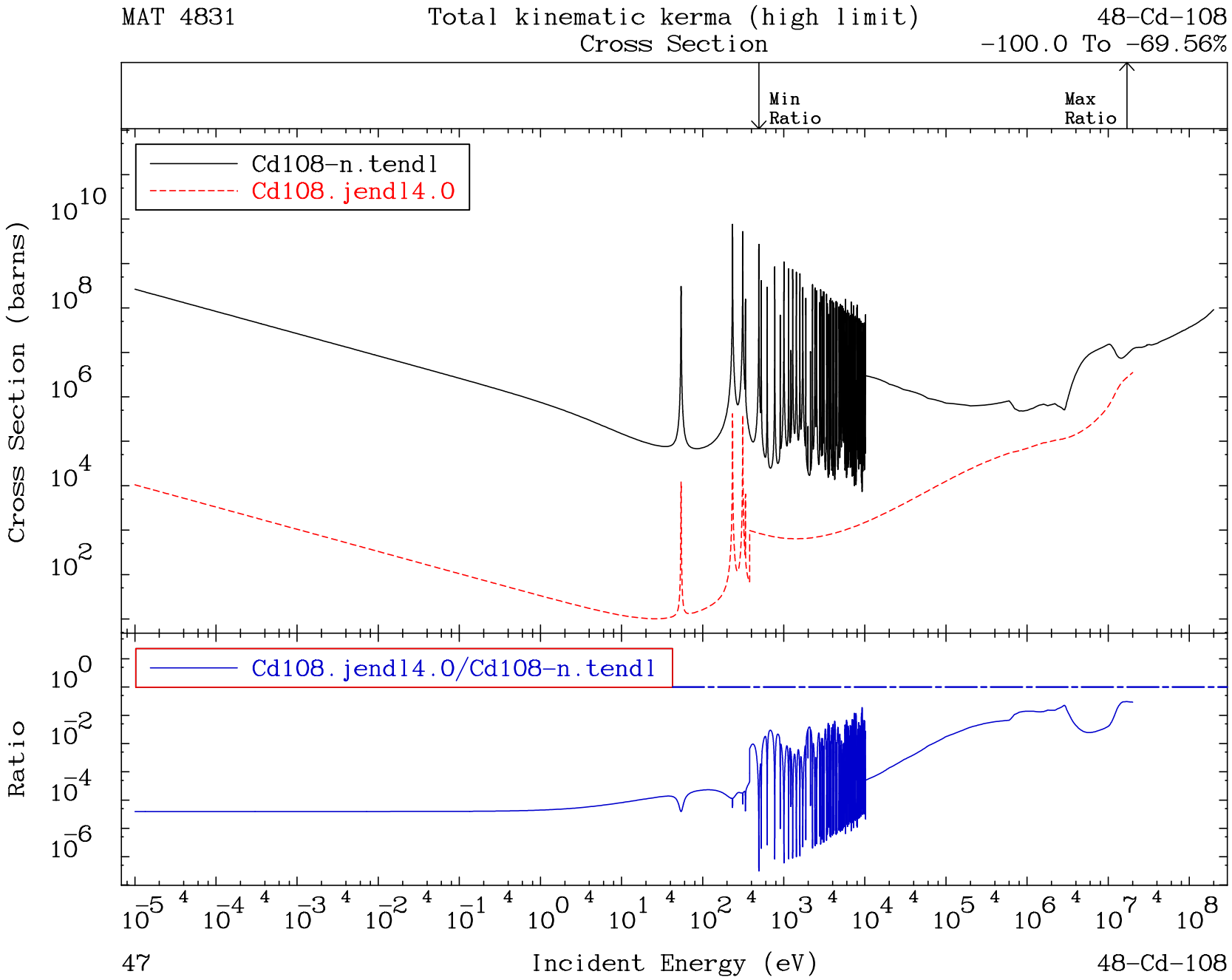

MAT 4831
Kerma non-elastic (all but mt2)
Cross Section
48-Cd-108
-99.25 To 9999. %
Min Ratio
Max Ratio
Cd108-n.tendl
Cd108.jendl4.0
Cross Section (barns)
Cd108.jendl4.0/Cd108-n.tendl
Ratio
Incident Energy (eV)
42
48-Cd-108

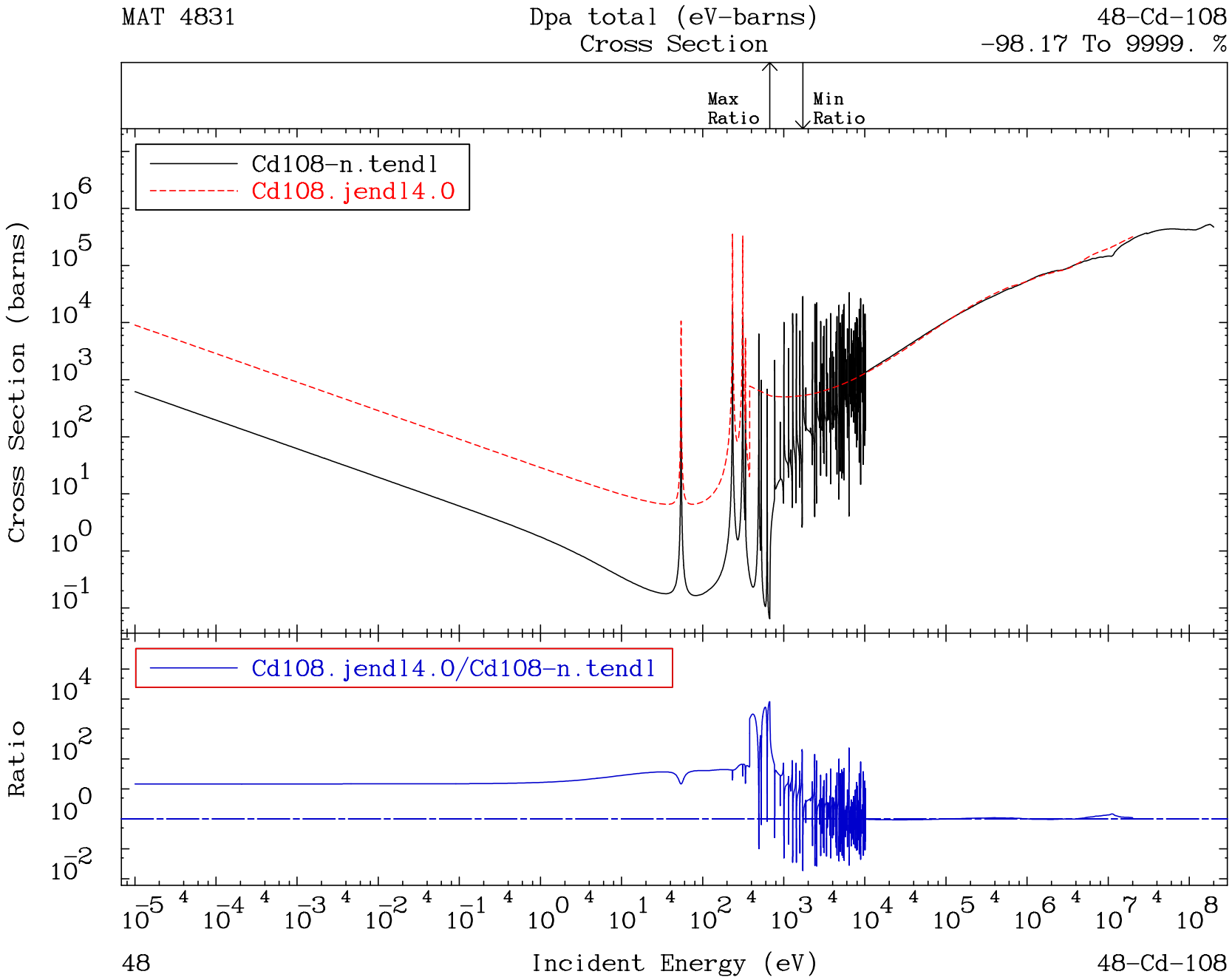

MAT 4831
Kerma inelastic (mt51-91)
Cross Section
48-Cd-108
-30.62 To 16.91 %
Max Ratio
Min Ratio
Cd108-n.tendl Threshold 650.00 keV
Cd108.jendl4.0 Threshold 650.00 keV
Cross Section (barns)
Cd108.jendl4.0/Cd108-n.tendl
Ratio
Incident Energy (eV)
43
48-Cd-108

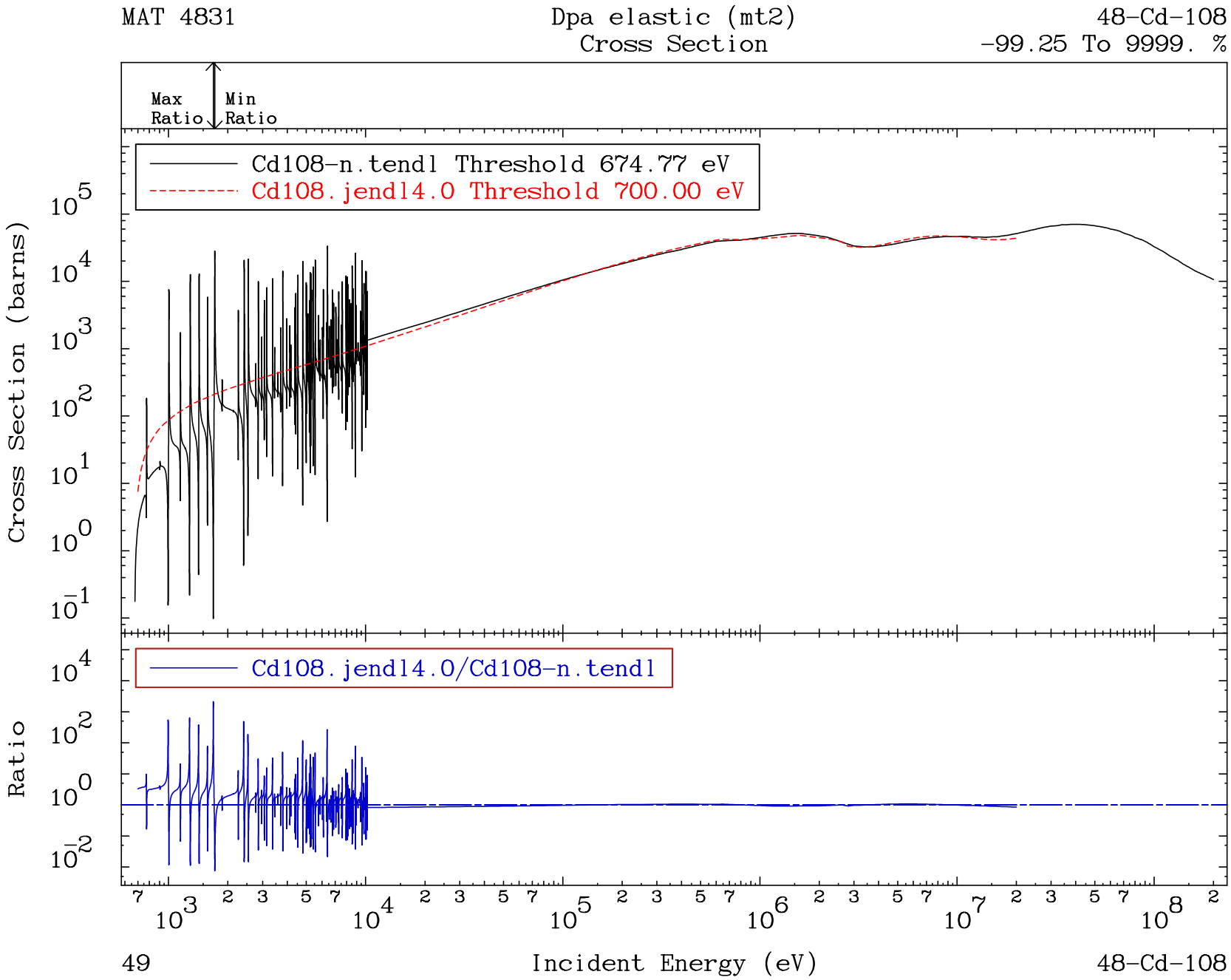

MAT 4831
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
48-Cd-108
-30.62 To 16.91 %
Max Ratio
Min Ratio
Cd108-n.tendl
Cd108.jendl4.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
Cd108.jendl4.0/Cd108-n.tendl
Ratio
1.2
1.0
0.8
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
44
Incident Energy (eV)
48-Cd-108

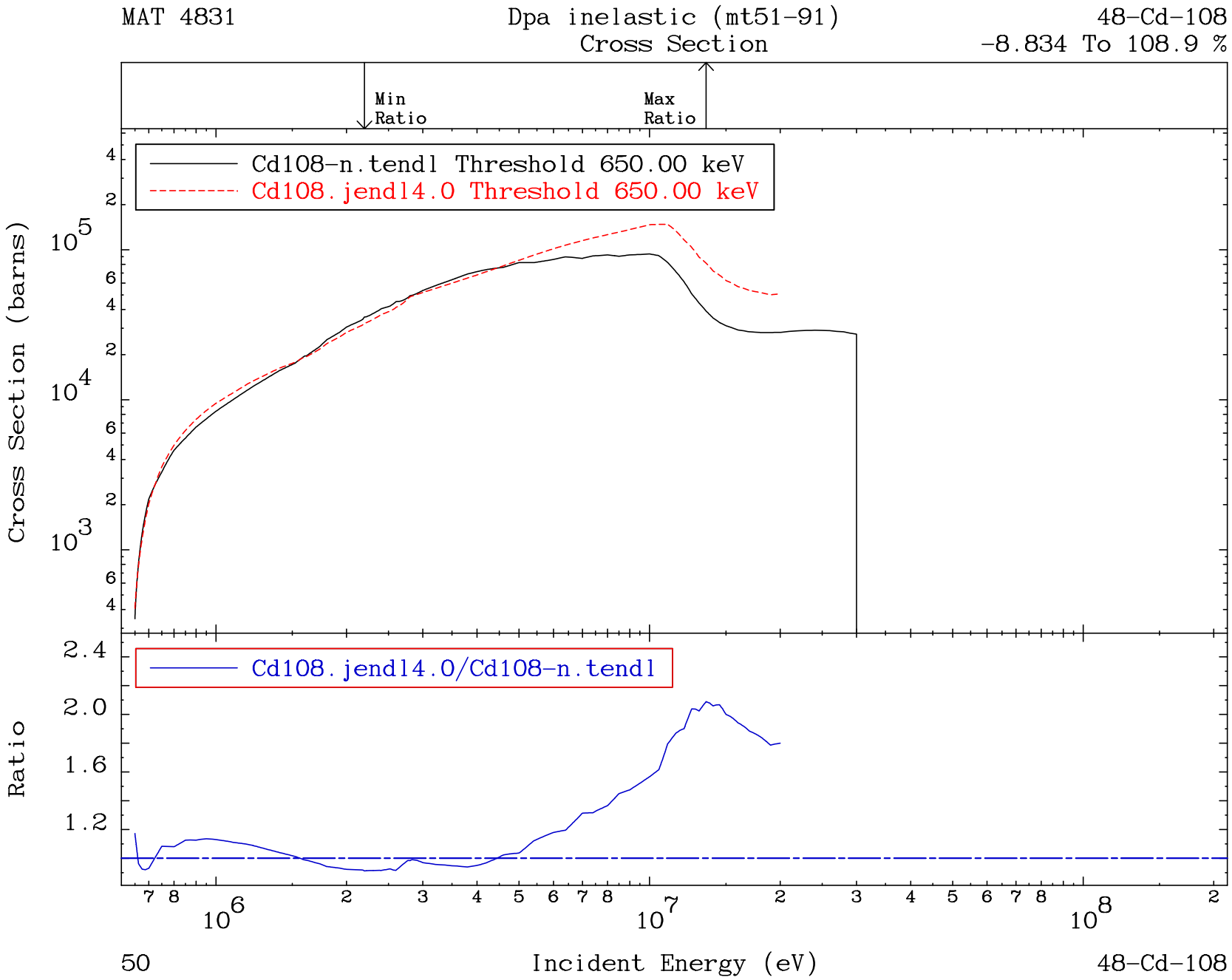

MAT 4831
Kerma capture (mt102)
Cross Section
48-Cd-108
-99.25 To 9999. %
Min Ratio
Max Ratio
Cd108-n.tendl
Cd108.jendl4.0
Cross Section (barns)
Cd108.jendl4.0/Cd108-n.tendl
Ratio
Incident Energy (eV)
45
48-Cd-108

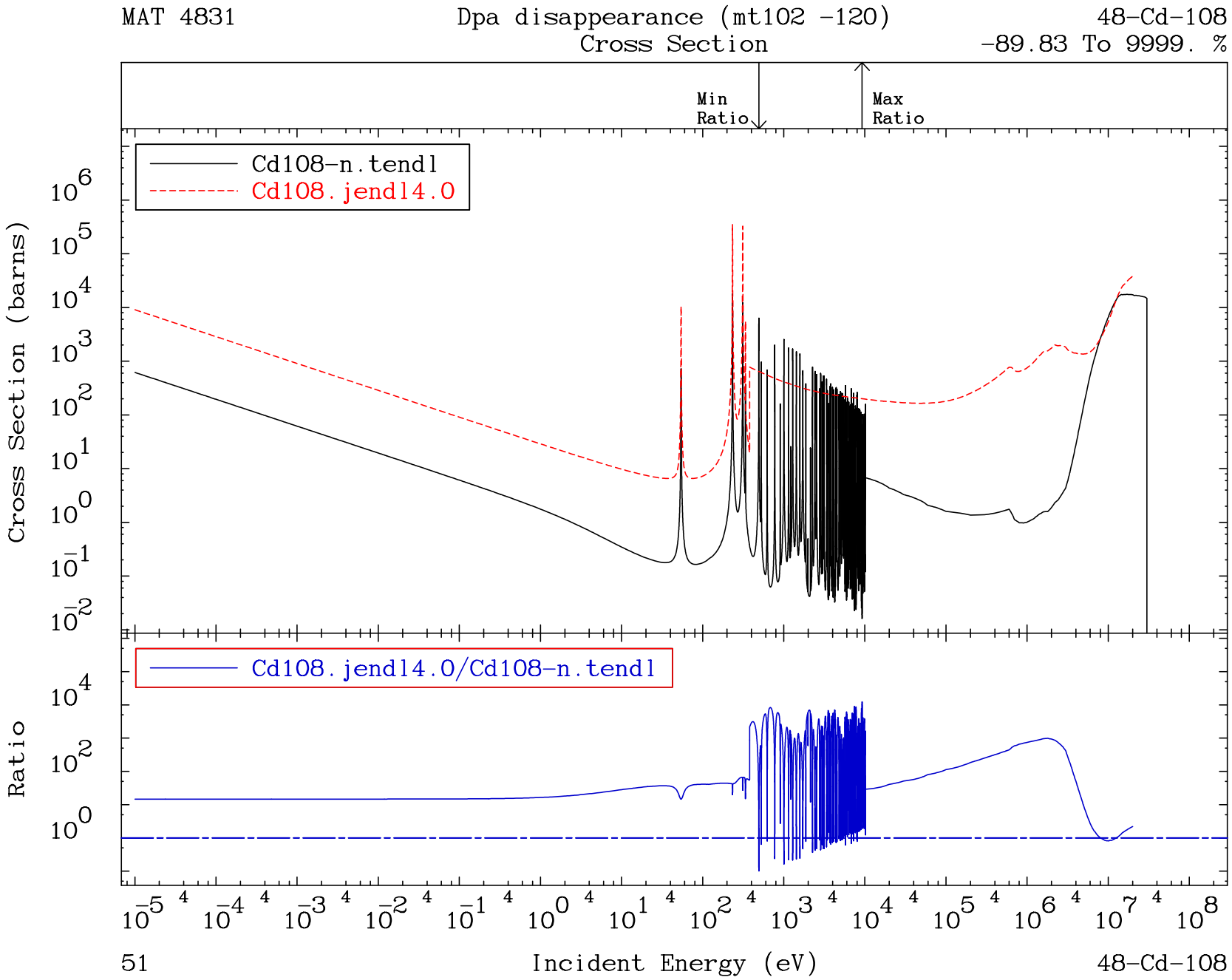

MAT 4831
Total photon (eV-barns)
Cross Section
48-Cd-108
-99.25 To 9999. %
Min Ratio
Max Ratio
Cd108-n.tendl
Cd108.jendl4.0
Cross Section (Giga-barns)
0
2
4
6
8
Cd108.jendl4.0/Cd108-n.tendl
Ratio
10^2
10^0
10^-2
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
46
Incident Energy (eV)
48-Cd-108


MAT 4831
Total kinematic kerma (high limit)
Cross Section
48-Cd-108
-100.0 To -69.56%
Min Ratio
Max Ratio
Cd108-n.tendl
Cd108.jendl4.0
Cross Section (barns)
Cd108.jendl4.0/Cd108-n.tendl
Ratio
Incident Energy (eV)
47
48-Cd-108


MAT 4831
Dpa total (eV-barns)
Cross Section
48-Cd-108
-98.17 To 9999. %
Max Ratio
Min Ratio
Cd108-n.tendl
Cd108.jendl4.0
Cross Section (barns)
Cd108.jendl4.0/Cd108-n.tendl
Ratio
Incident Energy (eV)
48
48-Cd-108


MAT 4831
Dpa elastic (mt2)
Cross Section
48-Cd-108
-99.25 To 9999. %
Max Ratio
Min Ratio
Cd108-n.tendl Threshold 674.77 eV
Cd108.jendl4.0 Threshold 700.00 eV
Cross Section (barns)
Cd108.jendl4.0/Cd108-n.tendl
Ratio
Incident Energy (eV)
49
48-Cd-108


MAT 4831
Dpa inelastic (mt51-91)
Cross Section
48-Cd-108
-8.834 To 108.9 %
Min Ratio
Max Ratio
Cd108-n.tendl Threshold 650.00 keV
Cd108.jendl4.0 Threshold 650.00 keV
Cross Section (barns)
Cd108.jendl4.0/Cd108-n.tendl
Ratio
Incident Energy (eV)
50
48-Cd-108


MAT 4831
Dpa disappearance (mt102 -120)
Cross Section
48-Cd-108
-89.83 To 9999. %
Min Ratio
Max Ratio
Cd108-n.tendl
Cd108.jendl4.0
Cross Section (barns)
Cd108.jendl4.0/Cd108-n.tendl
Ratio
Incident Energy (eV)
51
48-Cd-108