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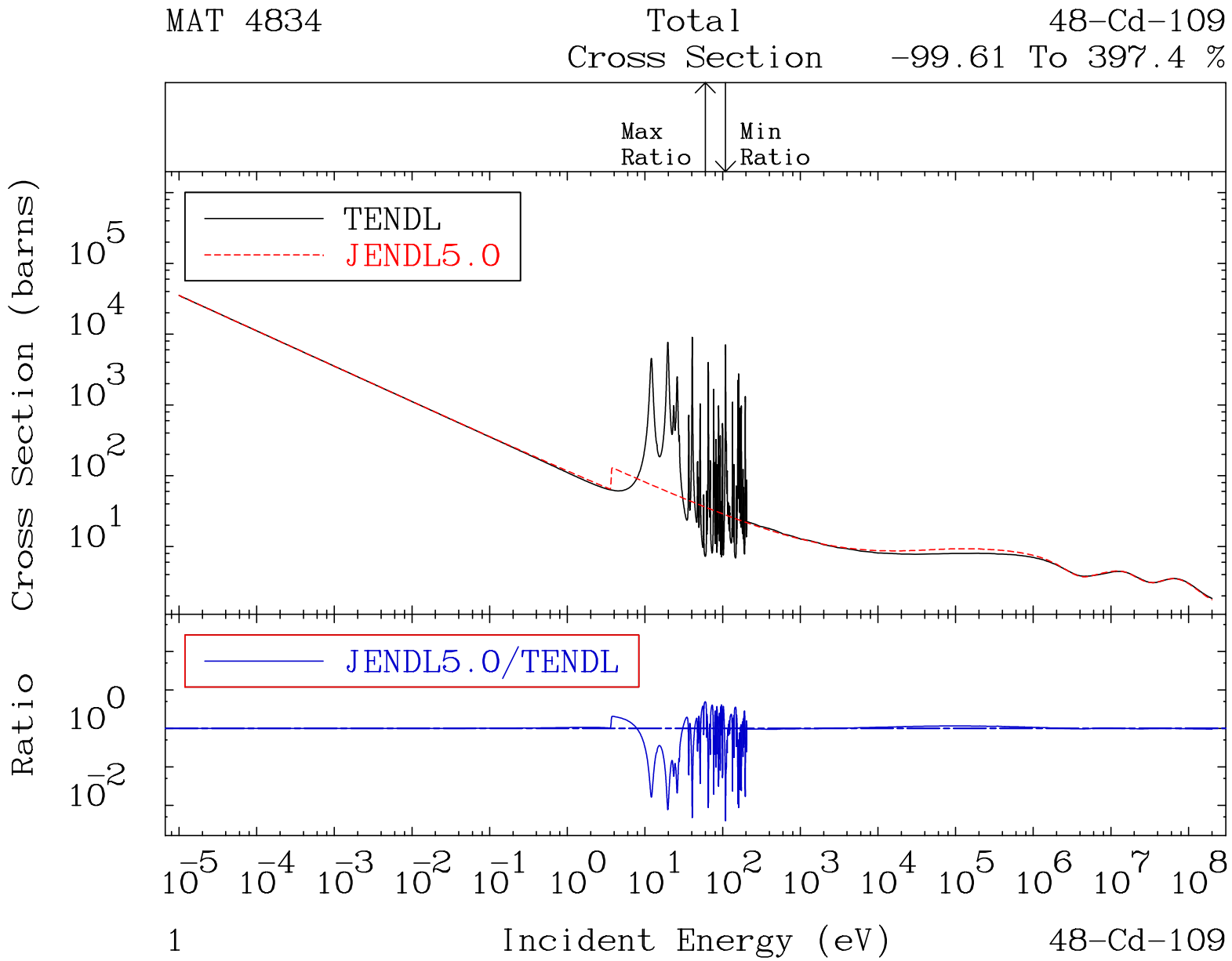
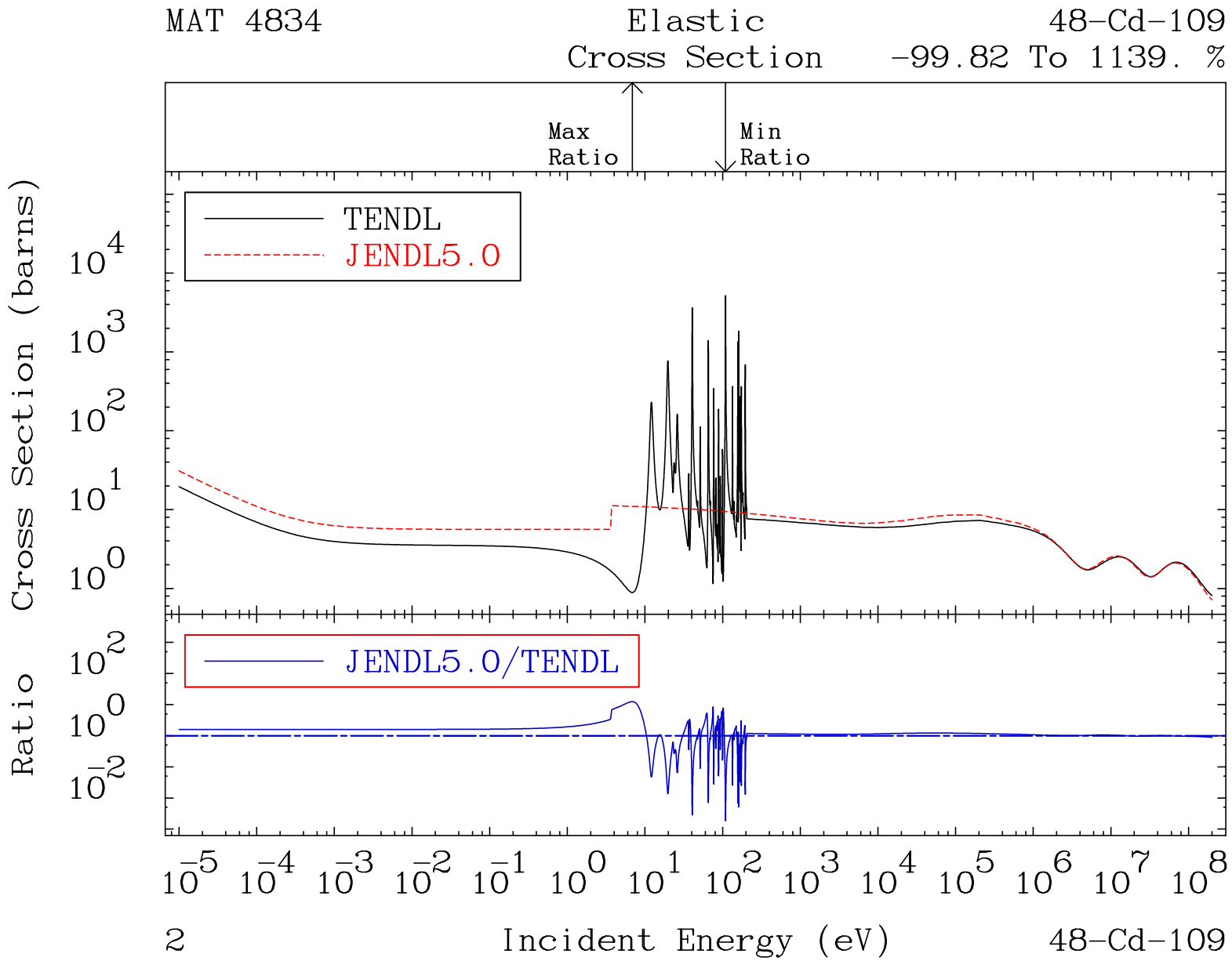
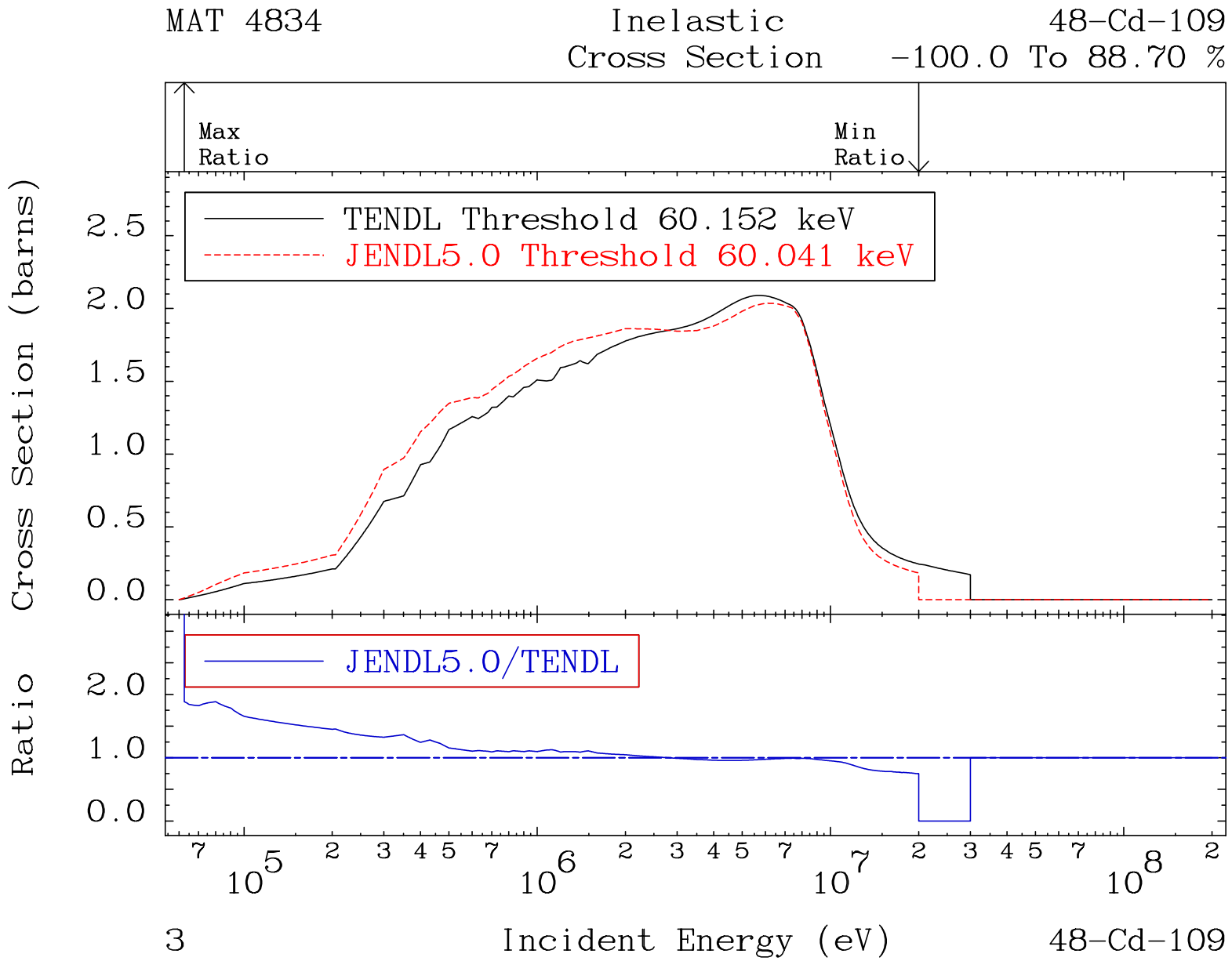
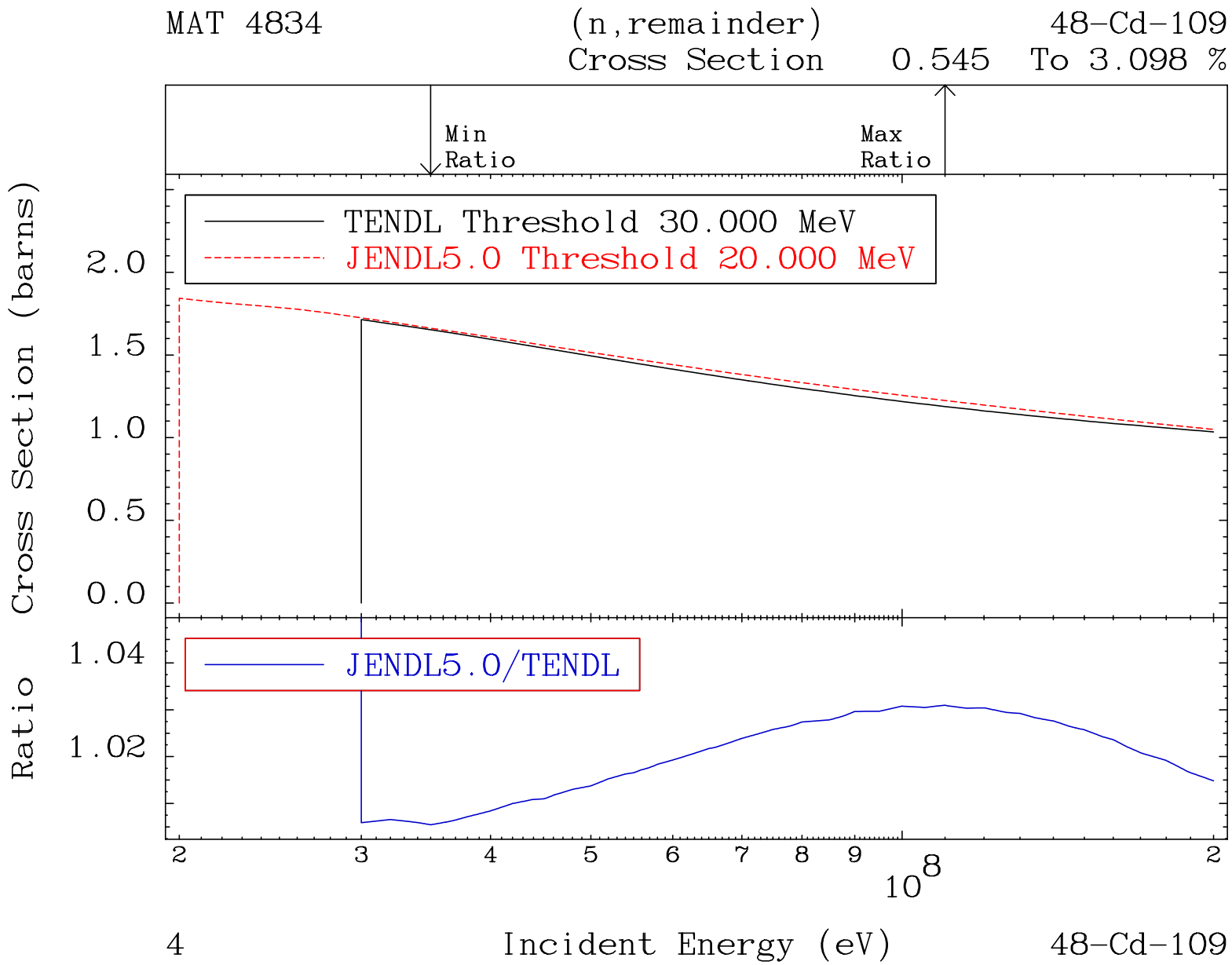
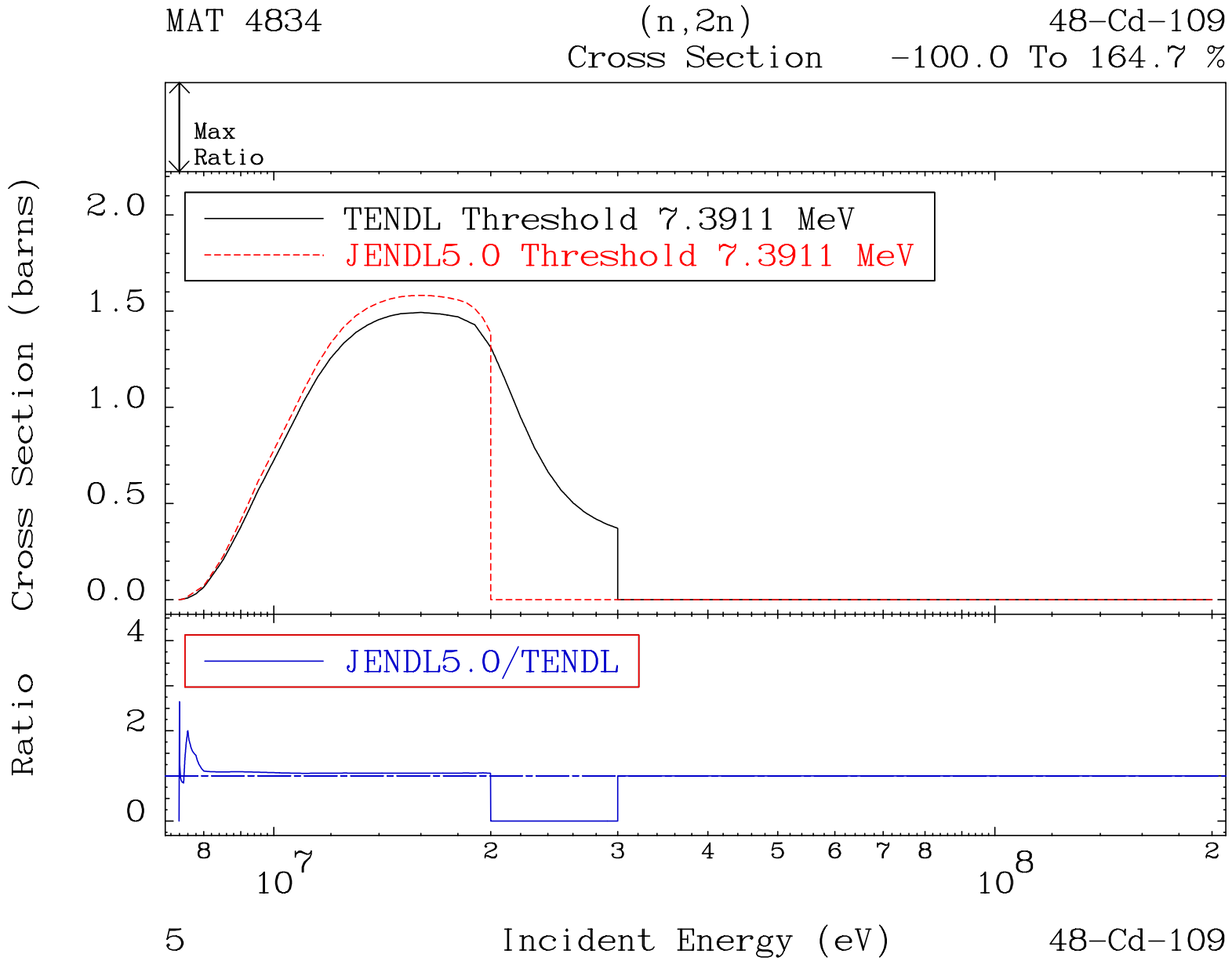
Press Mouse Button to Start

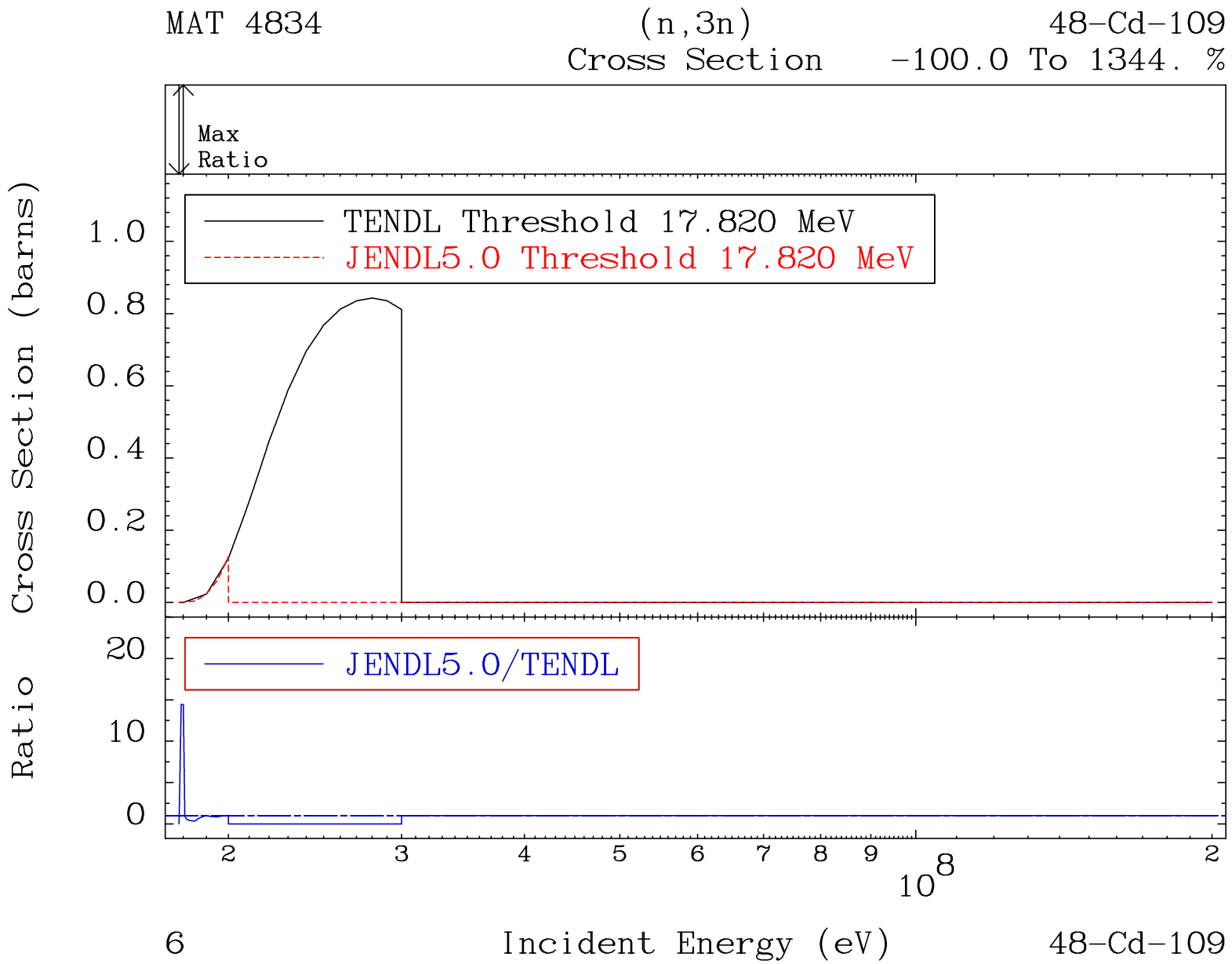

MAT 4834
Total
Cross Section
48-Cd-109
-99.61 To 397.4 %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
1
48-Cd-109

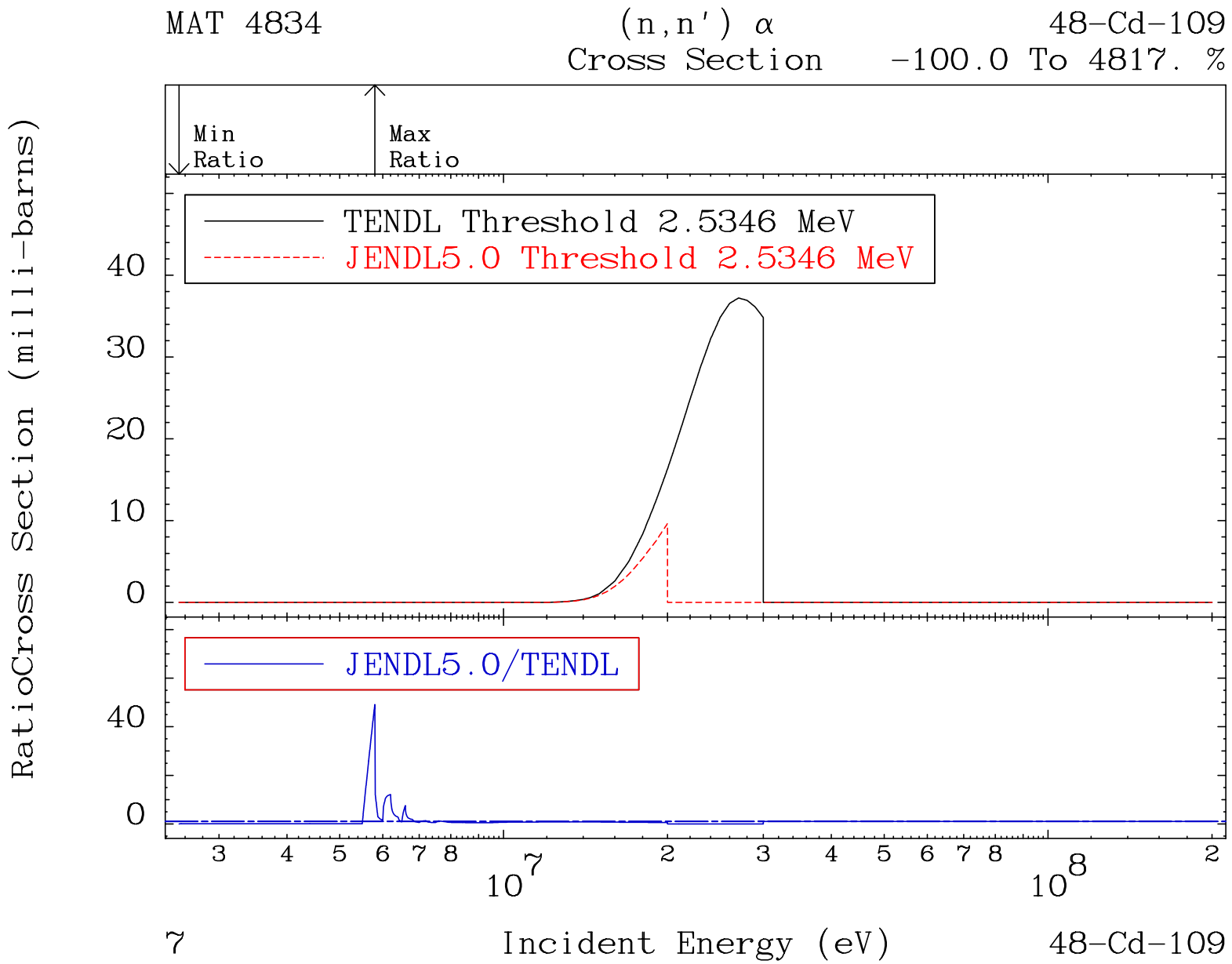

MAT 4834
Elastic
Cross Section
48-Cd-109
-99.82 To 1139. %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
48-Cd-109

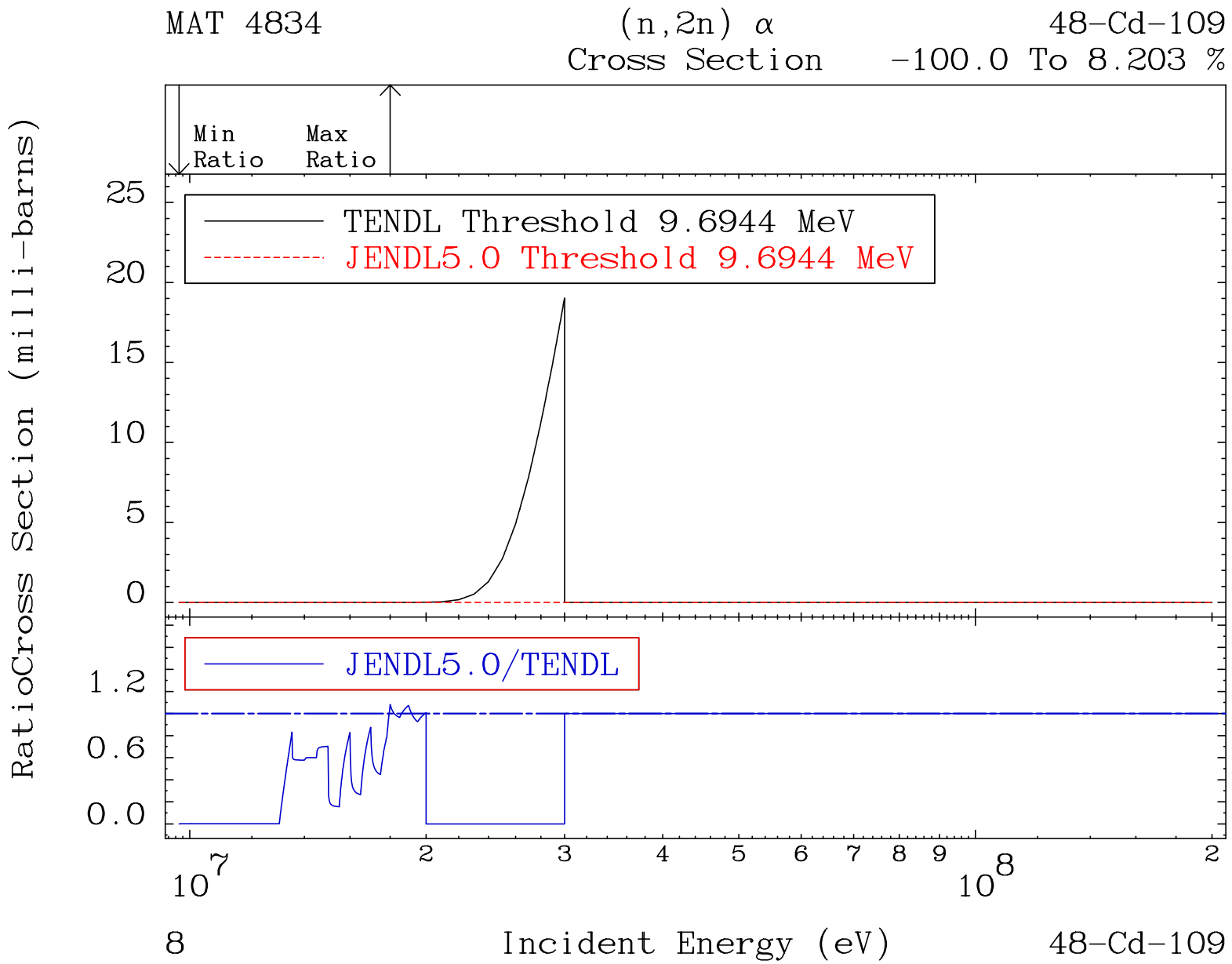

MAT 4834
Inelastic
Cross Section
48-Cd-109
-100.0 To 88.70 %
Max
Ratio
Min
Ratio
TENDL Threshold 60.152 keV
JENDL5.0 Threshold 60.041 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
2.0
1.0
0.0
7
10^5
2
3
4
5
7
10^6
2
3
4
5
7
10^7
2
3
4
5
7
10^8
2
3
Incident Energy (eV)
48-Cd-109

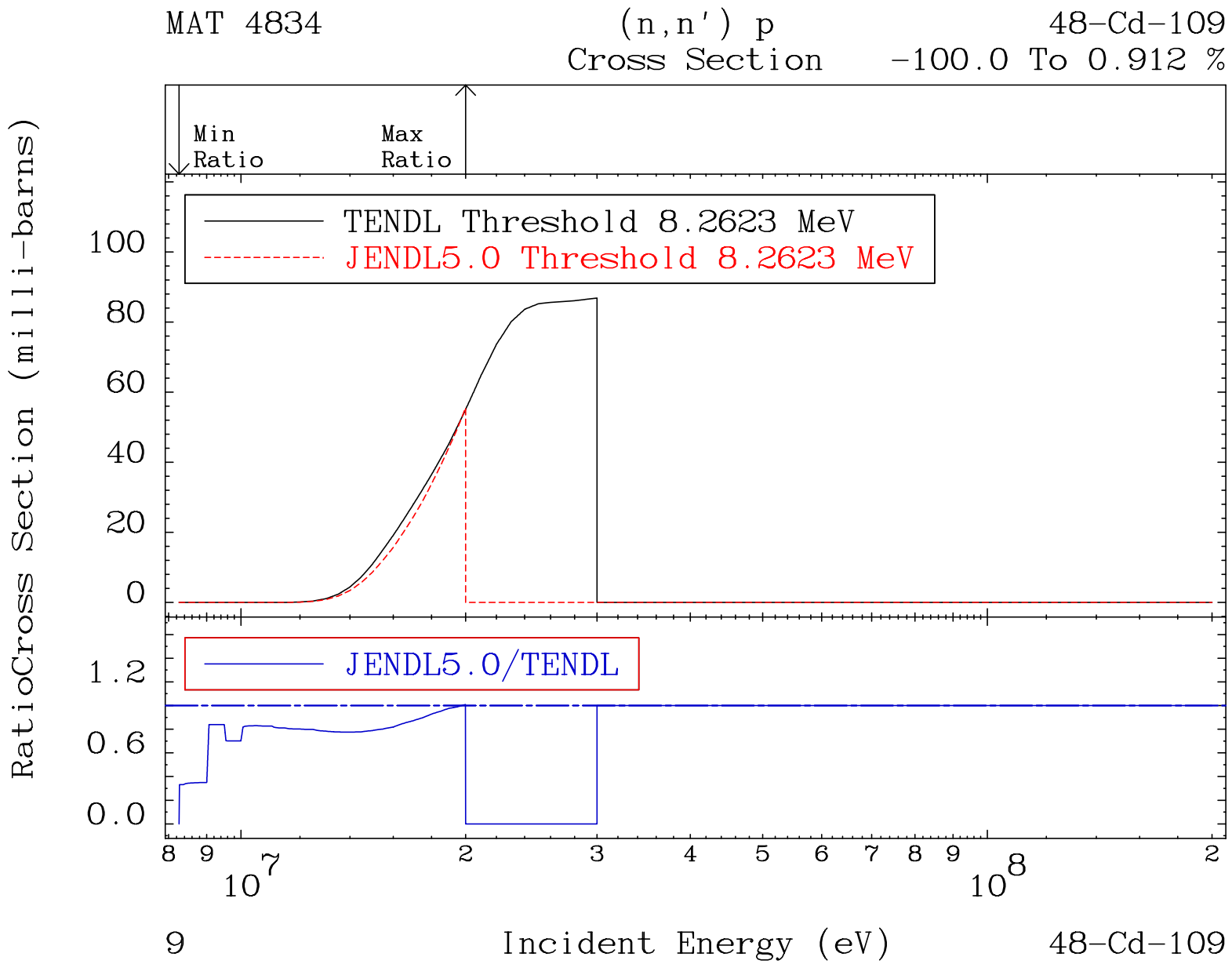

MAT 4834
(n,remainder)
48-Cd-109
Cross Section
0.545
To 3.098 %
Min
Ratio
Max
Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
1.04
1.02
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
48-Cd-109

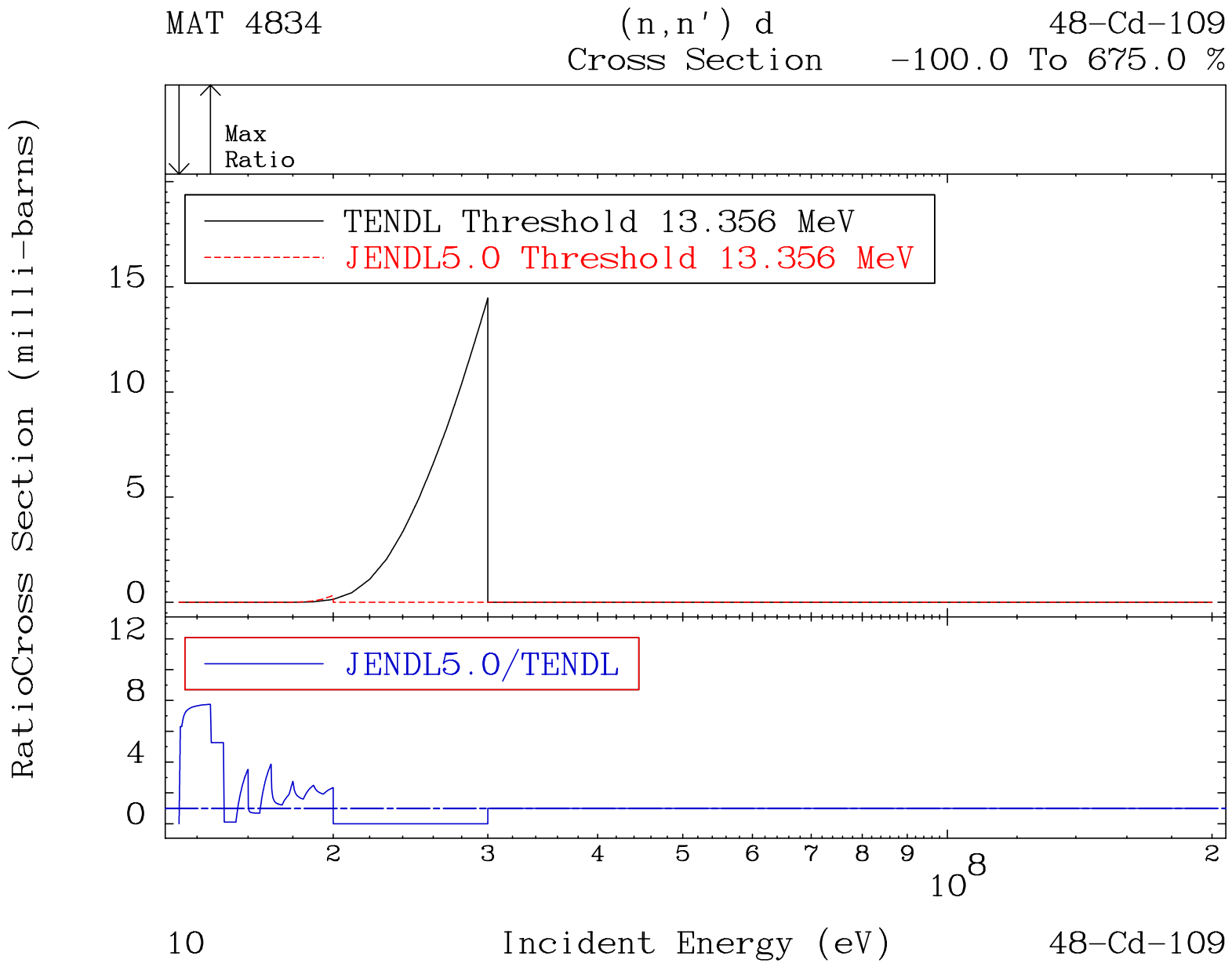

MAT 4834
(n,2n)
Cross Section
48-Cd-109
-100.0 To 164.7 %
Max
Ratio
TENDL Threshold 7.3911 MeV
JENDL5.0 Threshold 7.3911 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
4
2
0
8
2
3
4
5
6
7
8
2
10^7
10^8
Incident Energy (eV)
5
48-Cd-109

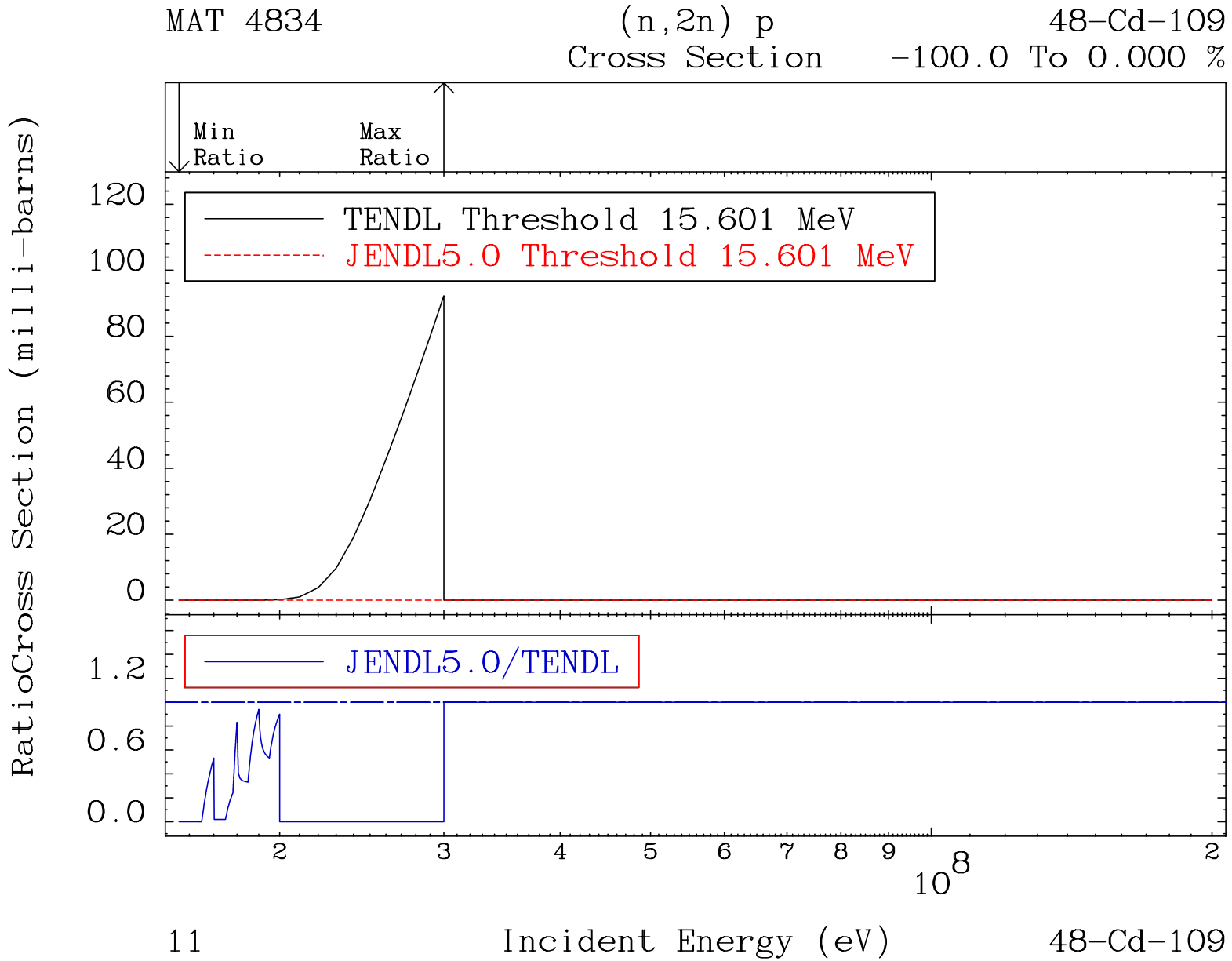

MAT 4834
(n,3n)
Cross Section
48-Cd-109
-100.0 To 1344. %
Max
Ratio
TENDL Threshold 17.820 MeV
JENDL5.0 Threshold 17.820 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
20
10
0
2
3
4
5
6
7
8
9
2
10^8
Incident Energy (eV)
6
48-Cd-109

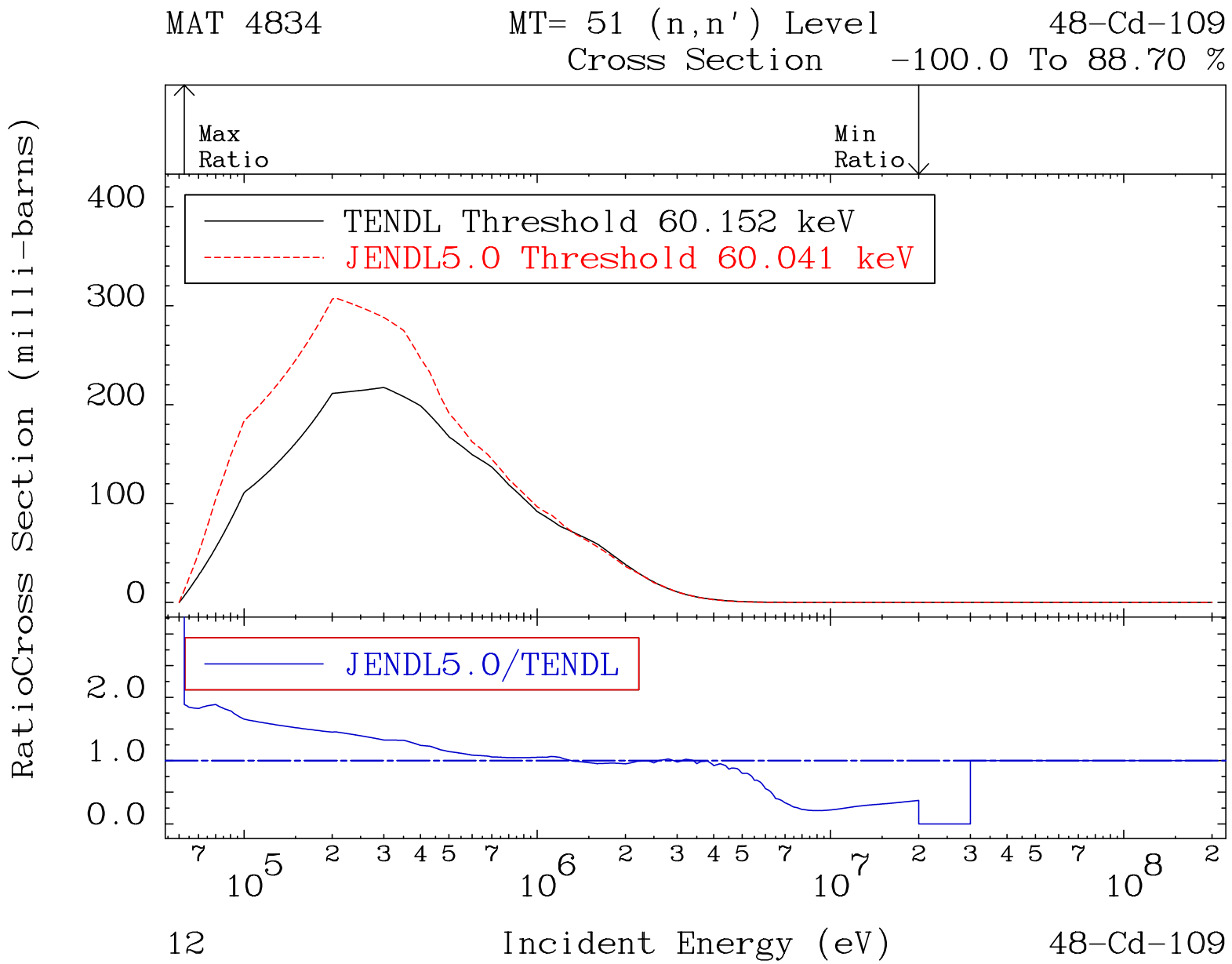

MAT 4834
(n,n') α
Cross Section
48-Cd-109
-100.0 To 4817. %
Min Ratio
Max Ratio
TENDL Threshold 2.5346 MeV
JENDL5.0 Threshold 2.5346 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
48-Cd-109

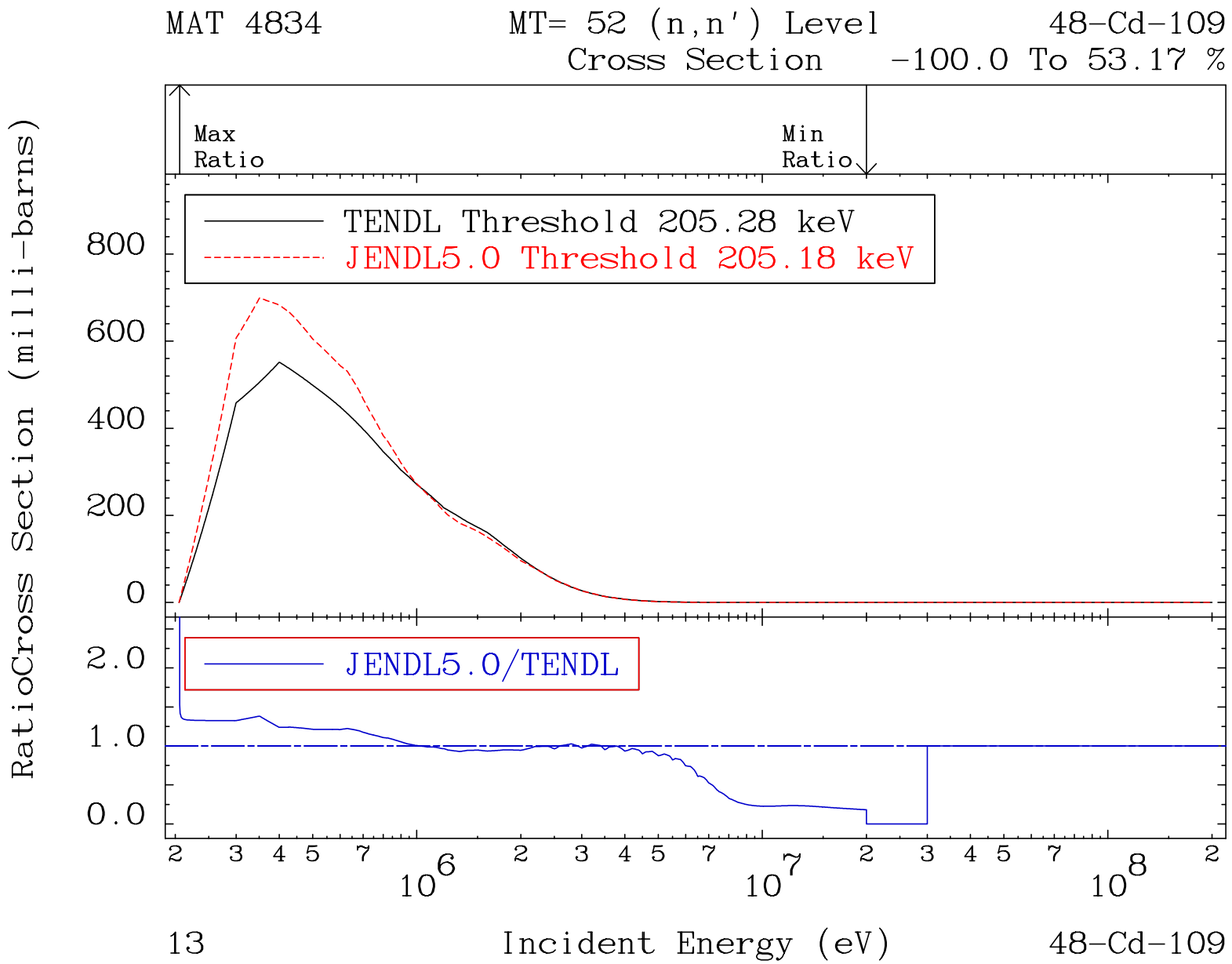

MAT 4834
(n,2n) α
48-Cd-109
Cross Section
-100.0 To 8.203 %
Min Ratio
Max Ratio
TENDL Threshold 9.6944 MeV
JENDL5.0 Threshold 9.6944 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
1.2
0.6
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
48-Cd-109

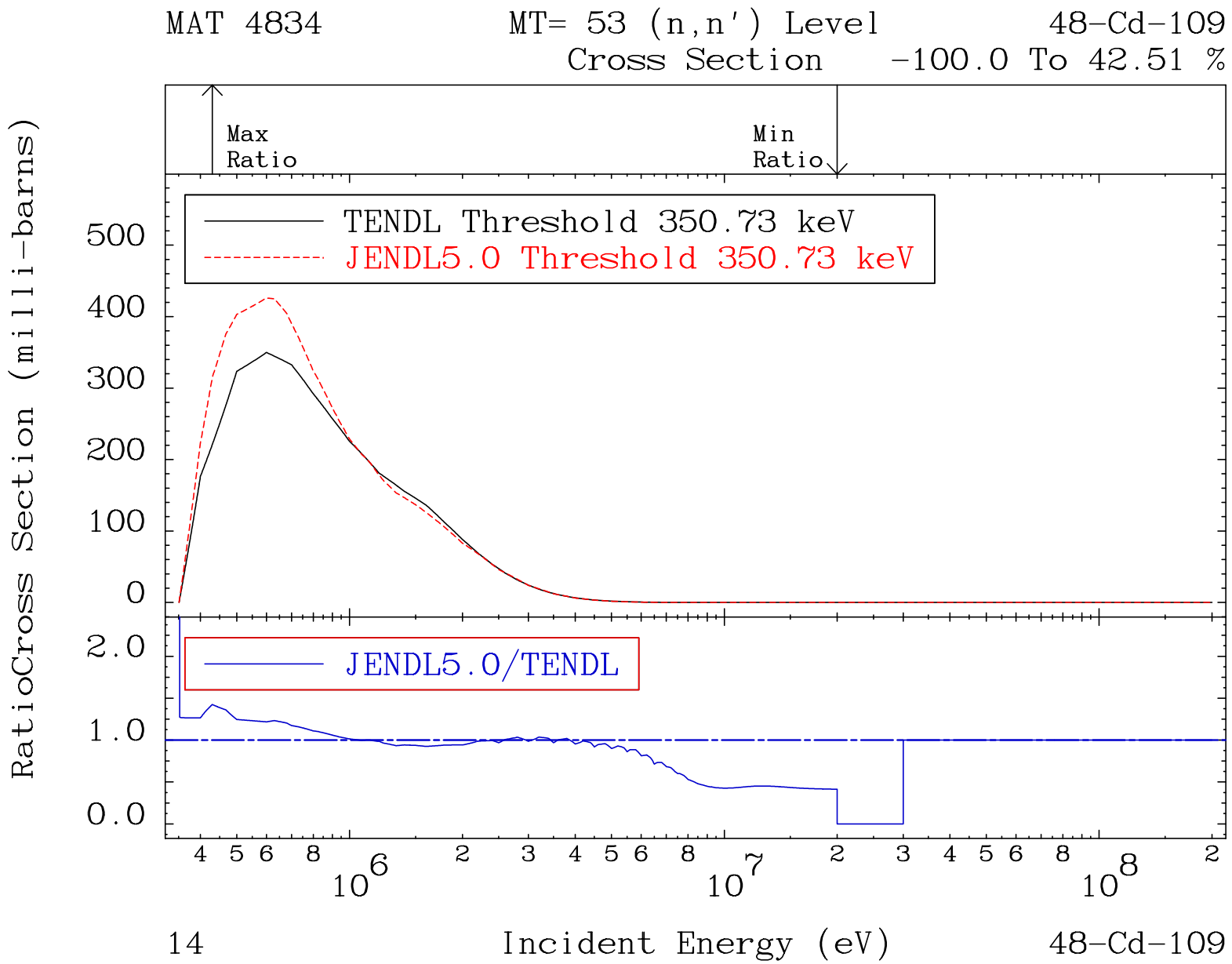

MAT 4834
(n,n') p
Cross Section
48-Cd-109
-100.0 To 0.912 %
Min Ratio
Max Ratio
TENDL Threshold 8.2623 MeV
JENDL5.0 Threshold 8.2623 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.6
0.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
9
48-Cd-109

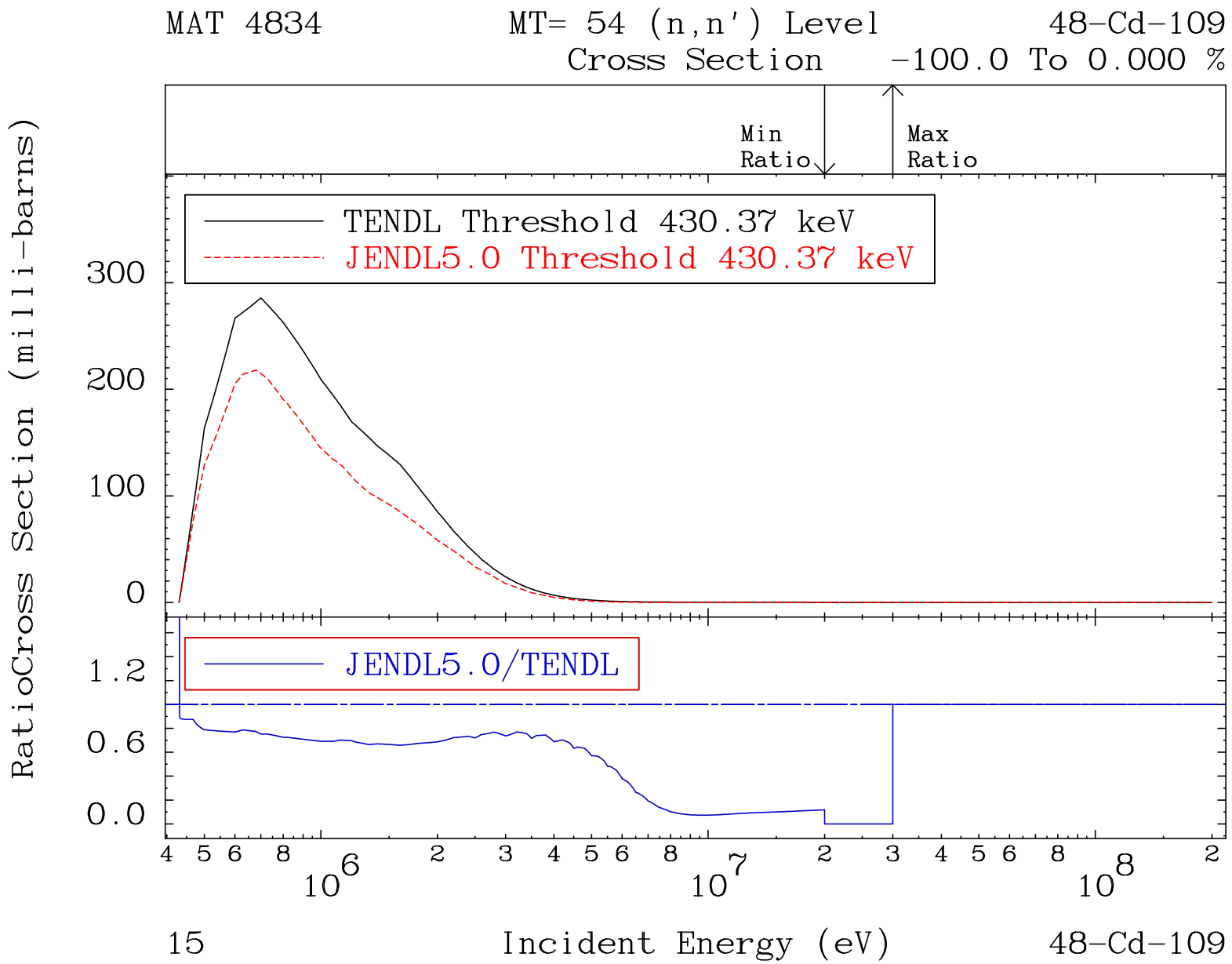

MAT 4834
(n,n') d
Cross Section
48-Cd-109
-100.0 To 675.0 %
Max
Ratio
TENDL Threshold 13.356 MeV
JENDL5.0 Threshold 13.356 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
15
10
5
0
12
8
4
0
2
3
4
5
6
7
8
9
2
10^8
10
Incident Energy (eV)
48-Cd-109

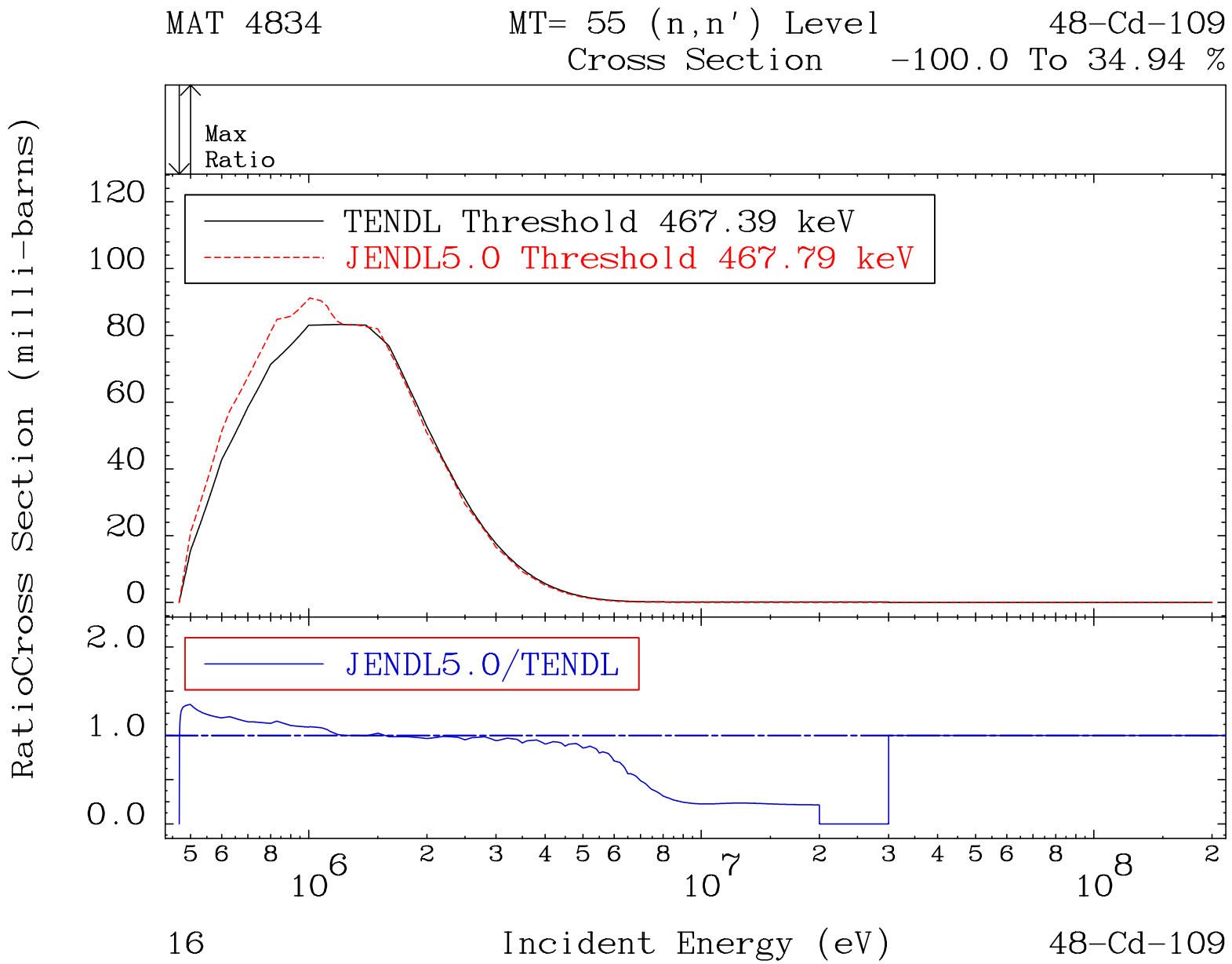

MAT 4834
(n,2n) p
Cross Section
48-Cd-109
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 15.601 MeV
JENDL5.0 Threshold 15.601 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
48-Cd-109

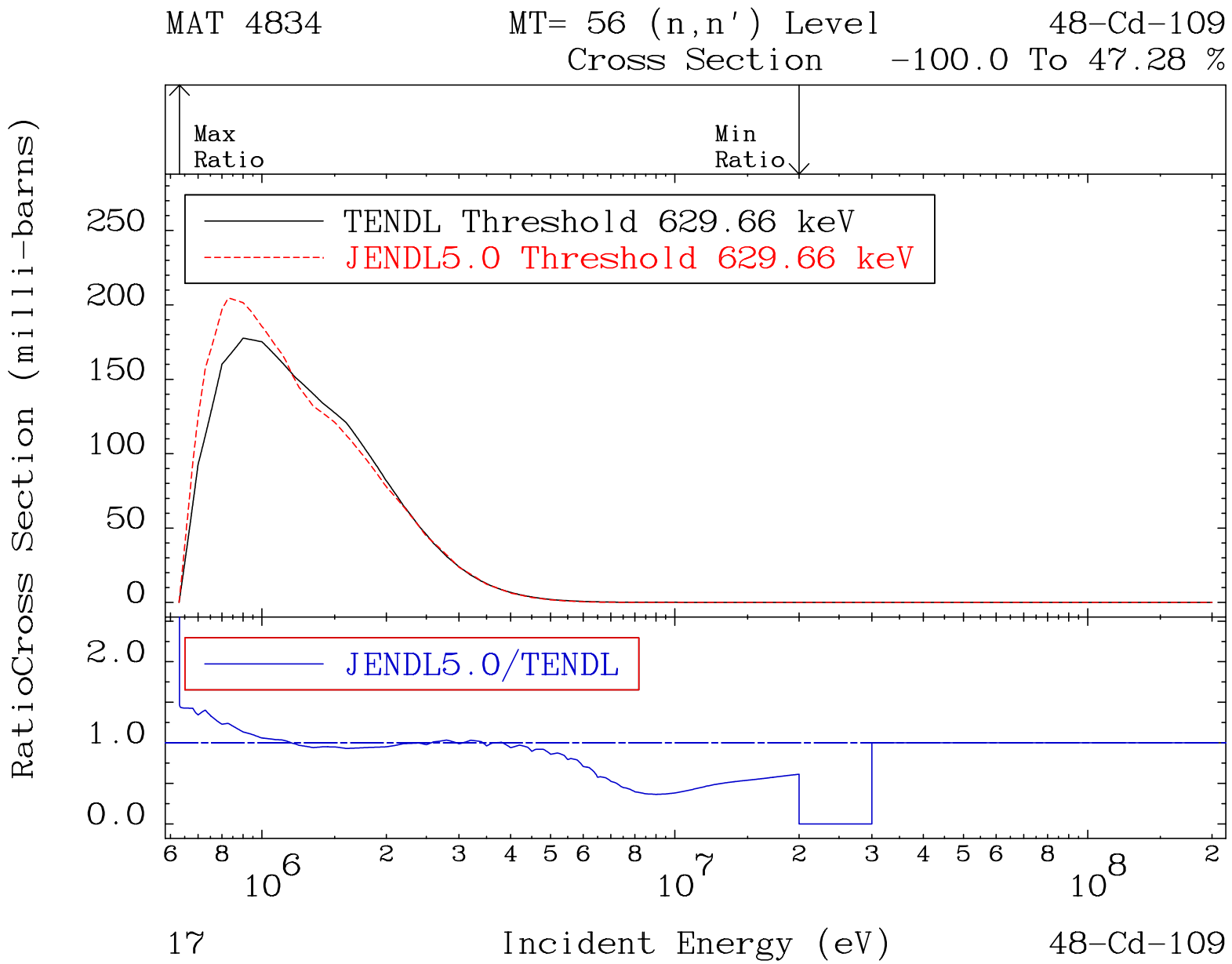

MAT 4834
MT= 51 (n,n') Level
Cross Section
48-Cd-109
-100.0 To 88.70 %
Max Ratio
Min Ratio
TENDL Threshold 60.152 keV
JENDL5.0 Threshold 60.041 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
2.0
1.0
0.0
7 2 3 4 5 7 2 3 4 5 7 2 3 4 5 7 2
10^5 10^6 10^7 10^8
12
Incident Energy (eV)
48-Cd-109

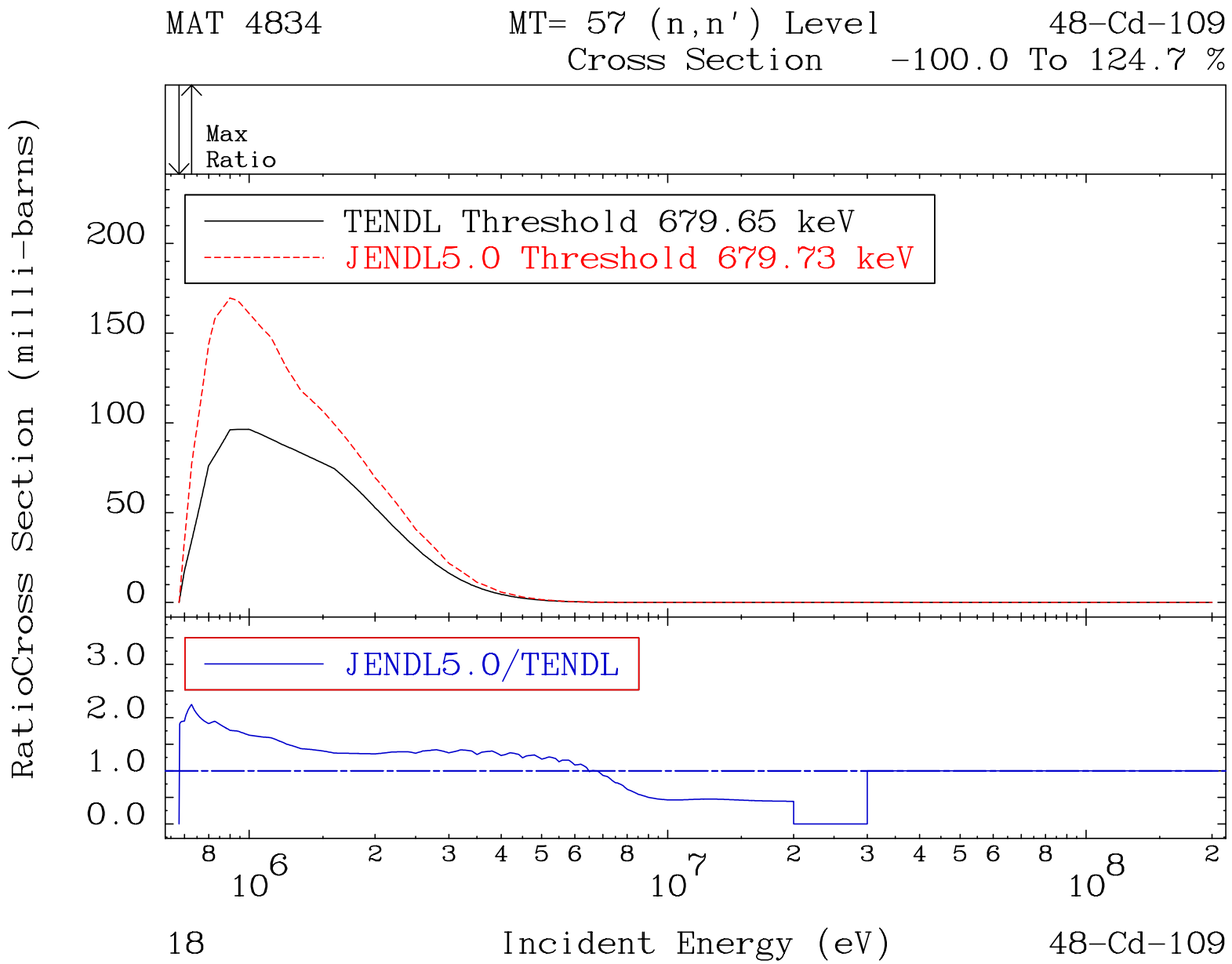

MAT 4834
MT= 52 (n,n') Level
Cross Section
48-Cd-109
-100.0 To 53.17 %
Max Ratio
Min Ratio
TENDL Threshold 205.28 keV
JENDL5.0 Threshold 205.18 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
2.0
1.0
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
13
Incident Energy (eV)
48-Cd-109

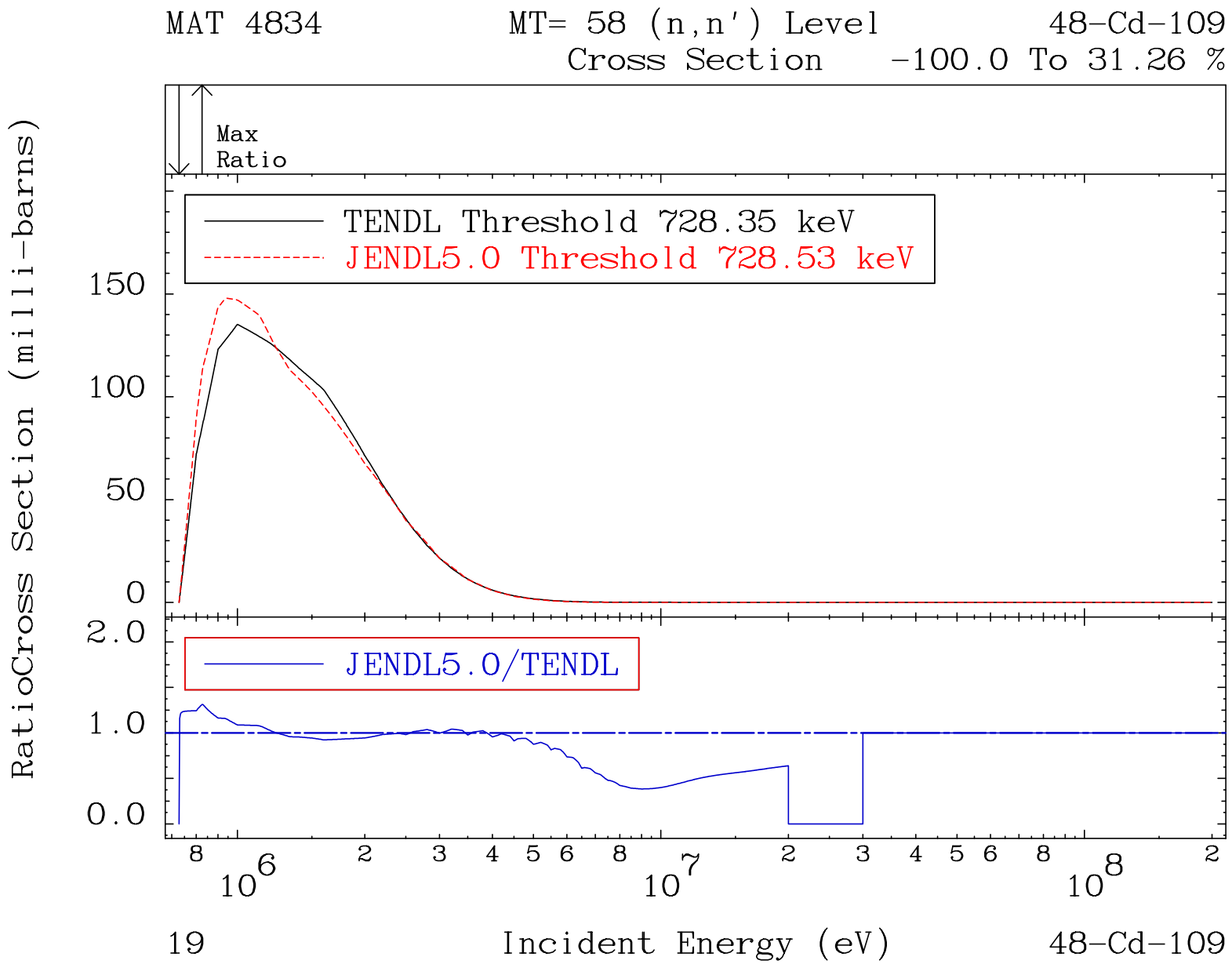

MAT 4834
MT= 53 (n,n') Level
Cross Section
48-Cd-109
-100.0 To 42.51 %
Max Ratio
Min Ratio
TENDL Threshold 350.73 keV
JENDL5.0 Threshold 350.73 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
2.0
1.0
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
14
Incident Energy (eV)
48-Cd-109

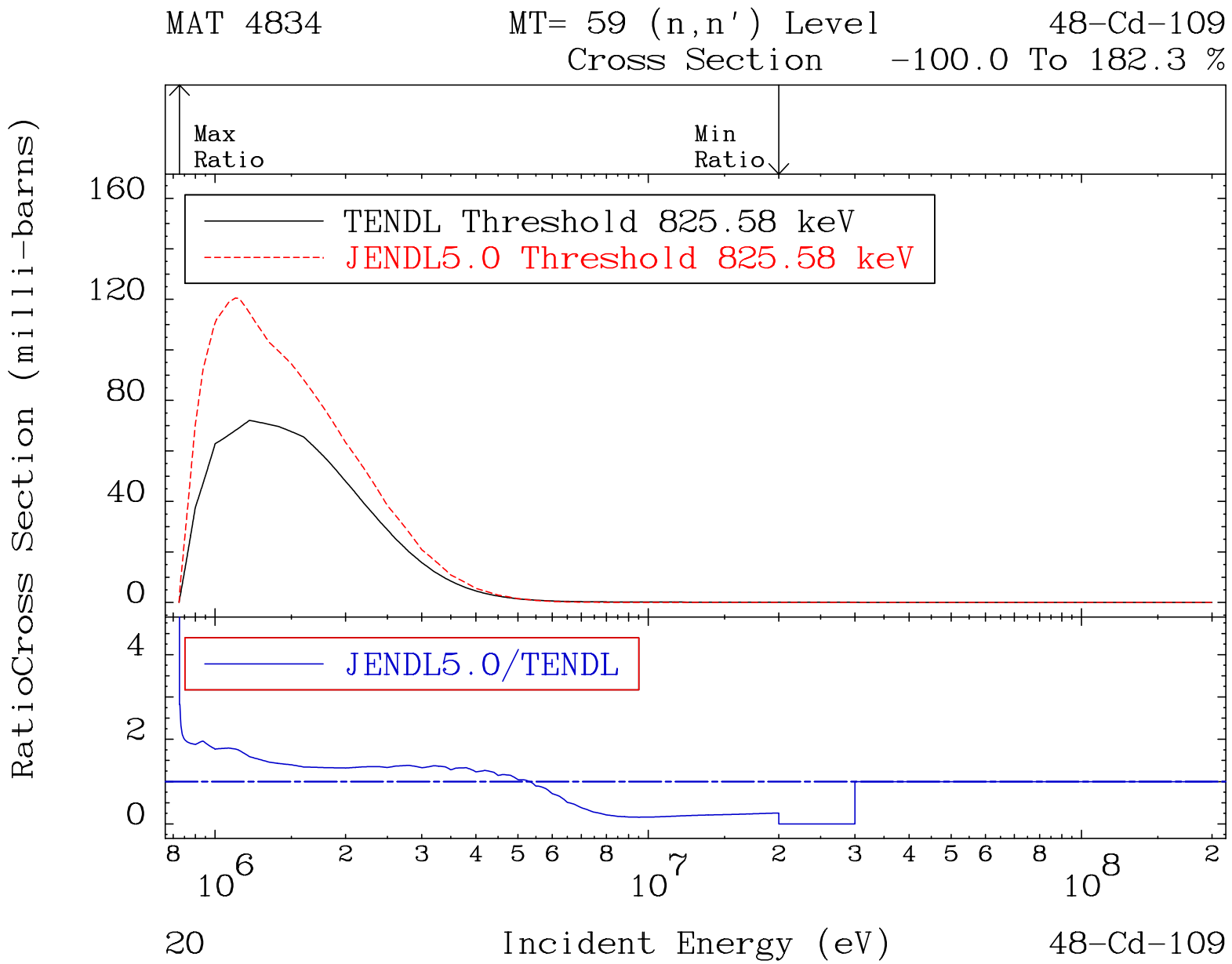

MAT 4834
MT= 54 (n,n') Level
Cross Section
48-Cd-109
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 430.37 keV
JENDL5.0 Threshold 430.37 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
200
100
0
1.2
0.6
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
15
Incident Energy (eV)
48-Cd-109

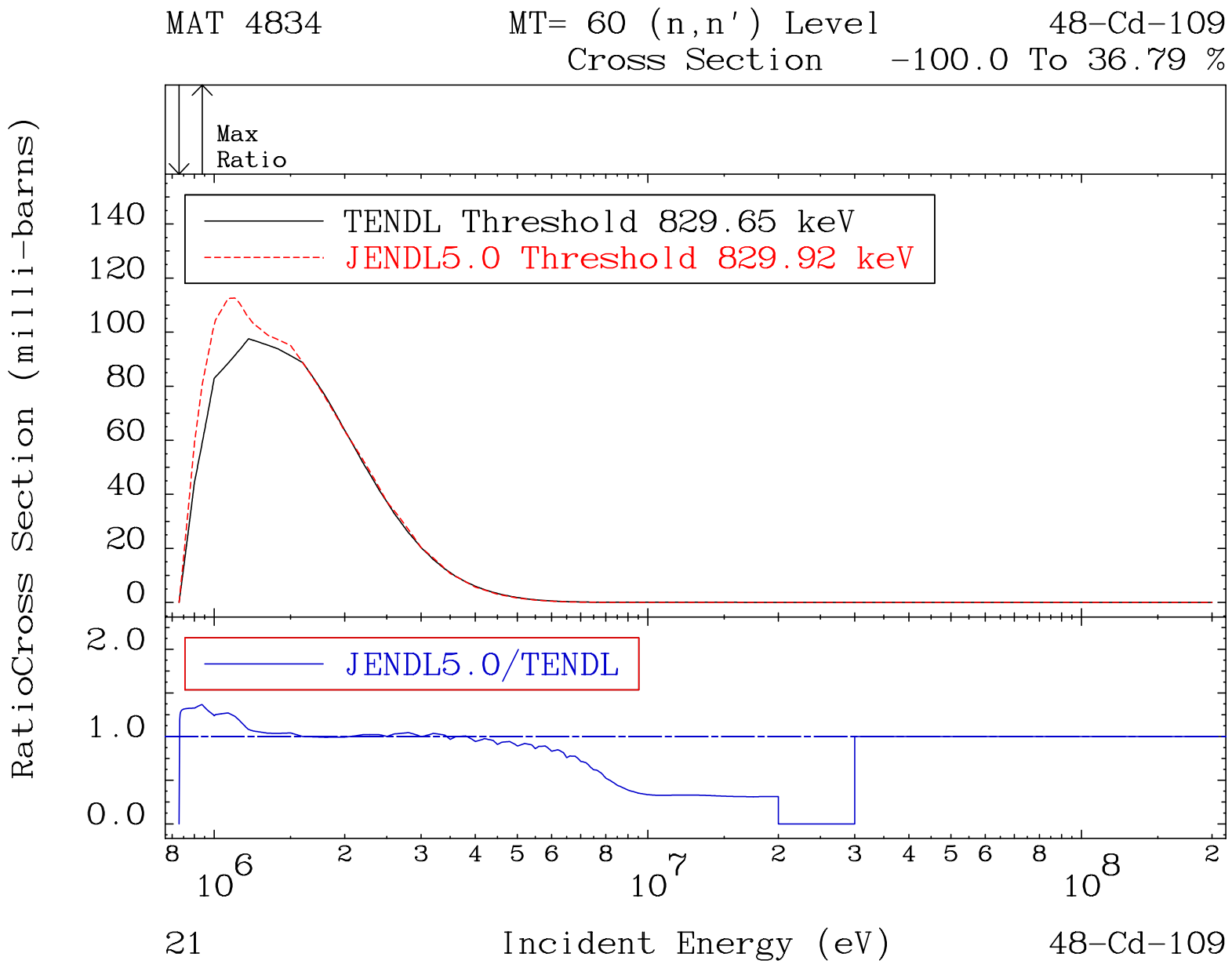

MAT 4834
MT= 55 (n,n') Level
48-Cd-109
Cross Section
-100.0 To 34.94 %
Max
Ratio
TENDL Threshold 467.39 keV
JENDL5.0 Threshold 467.79 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
2.0
1.0
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
16
Incident Energy (eV)
48-Cd-109

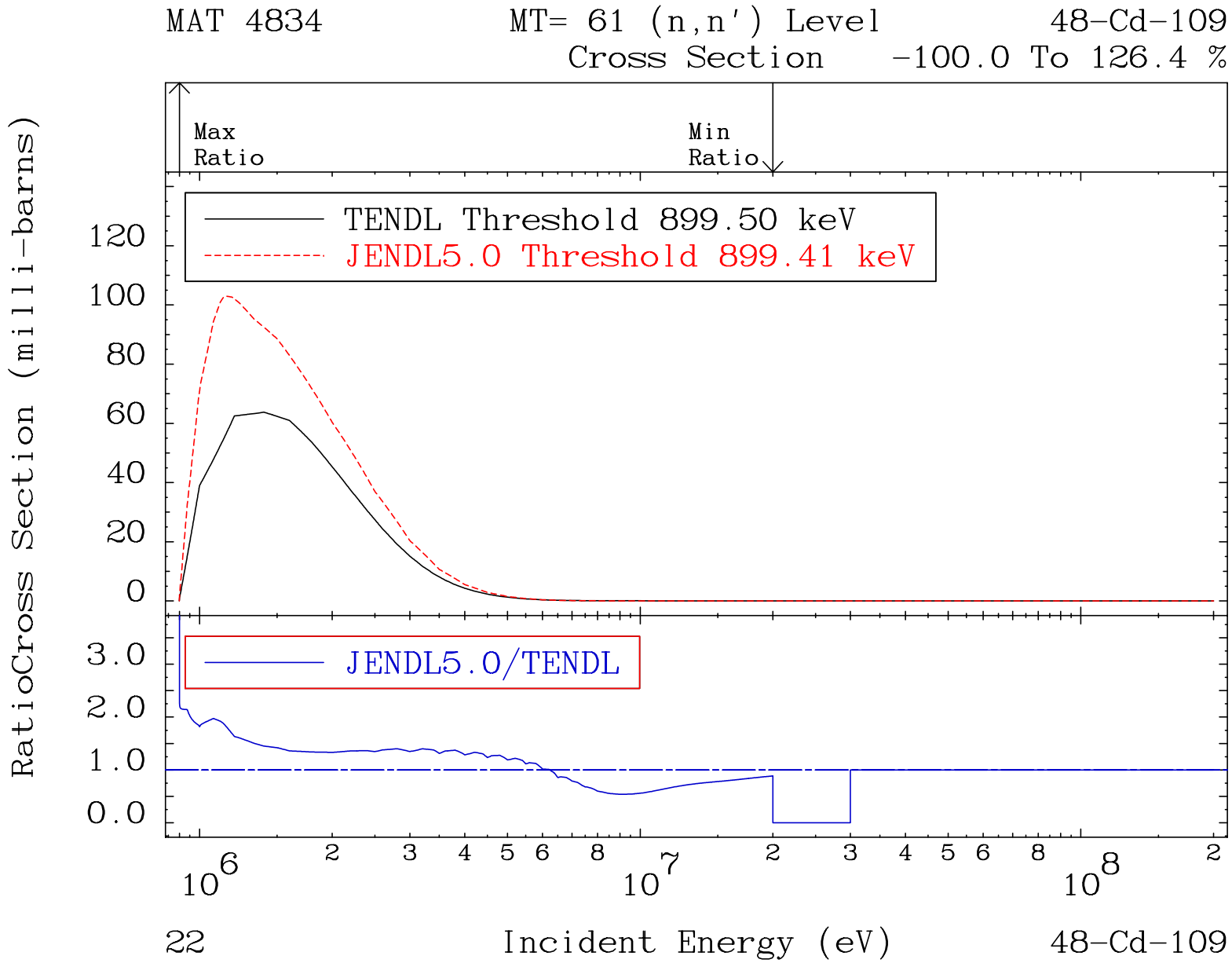

MAT 4834
MT= 56 (n,n') Level
Cross Section
48-Cd-109
-100.0 To 47.28 %
Max Ratio
Min Ratio
TENDL Threshold 629.66 keV
JENDL5.0 Threshold 629.66 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
2.0
1.0
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
17
Incident Energy (eV)
48-Cd-109

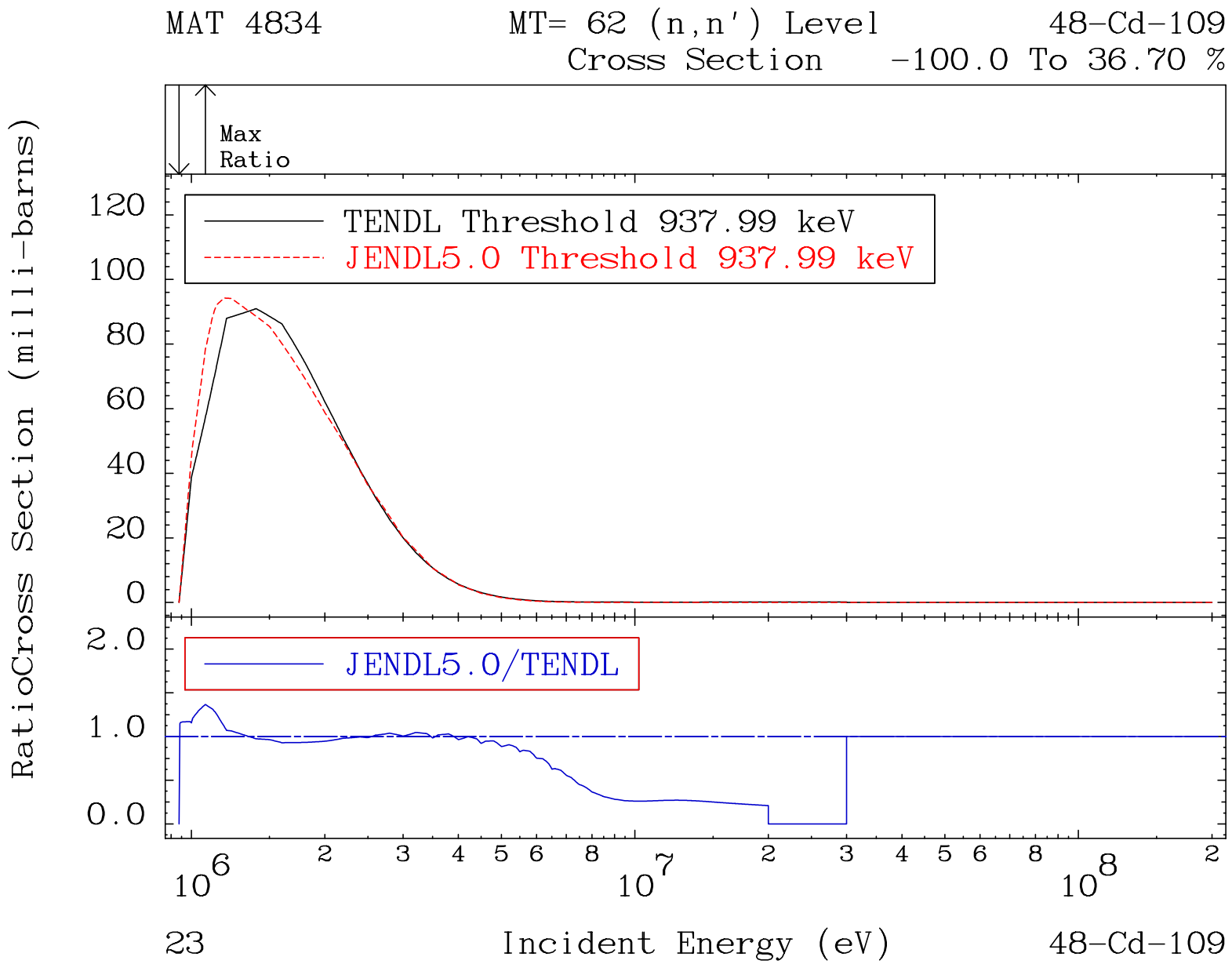

MAT 4834
MT= 57 (n,n') Level
Cross Section
48-Cd-109
-100.0 To 124.7 %
Max
Ratio
TENDL Threshold 679.65 keV
JENDL5.0 Threshold 679.73 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
3.0
2.0
1.0
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
18
Incident Energy (eV)
48-Cd-109

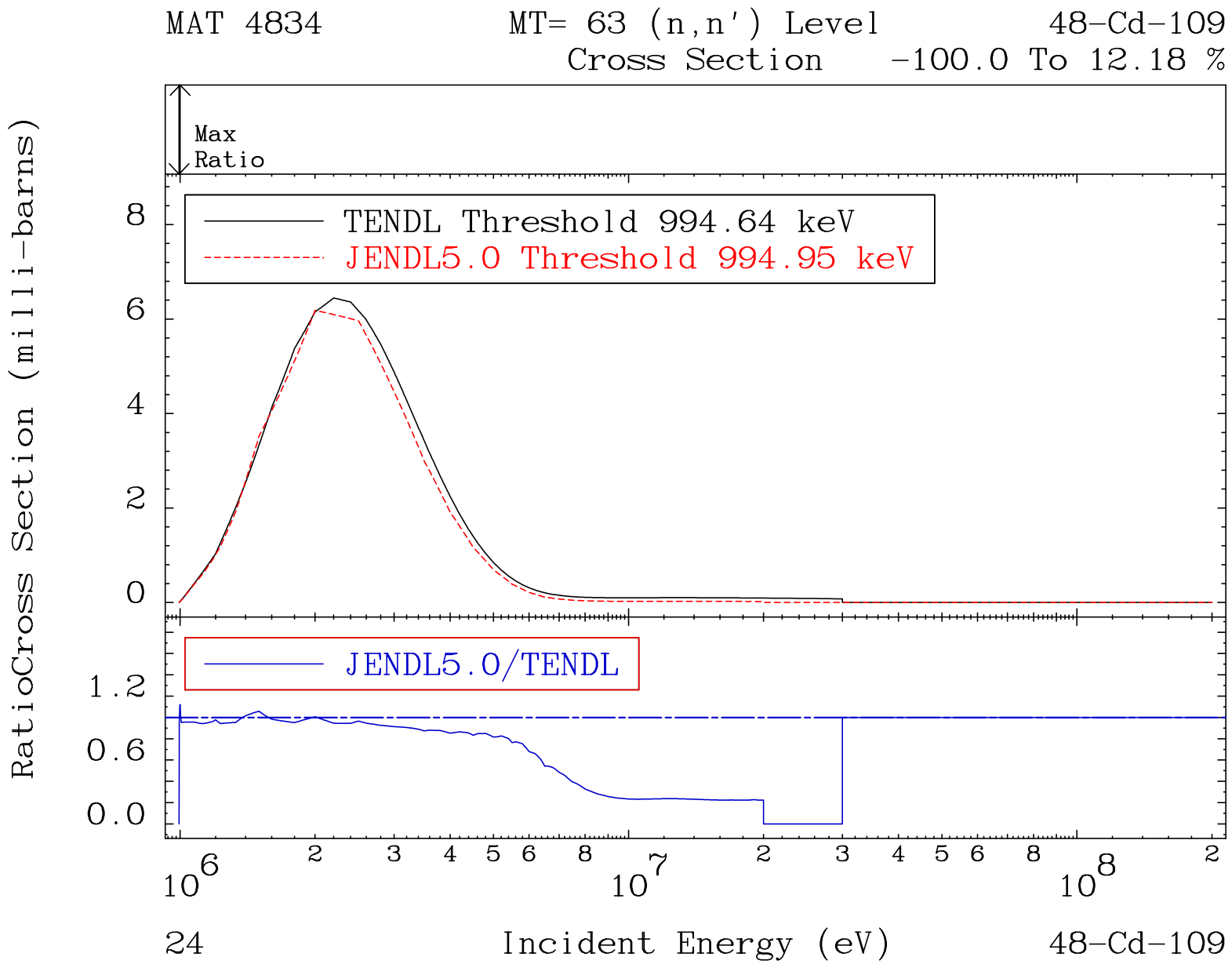

MAT 4834
MT= 58 (n,n') Level
48-Cd-109
Cross Section
-100.0 To 31.26 %
Max
Ratio
TENDL Threshold 728.35 keV
JENDL5.0 Threshold 728.53 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
150
100
50
0
2.0
1.0
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
19
Incident Energy (eV)
48-Cd-109

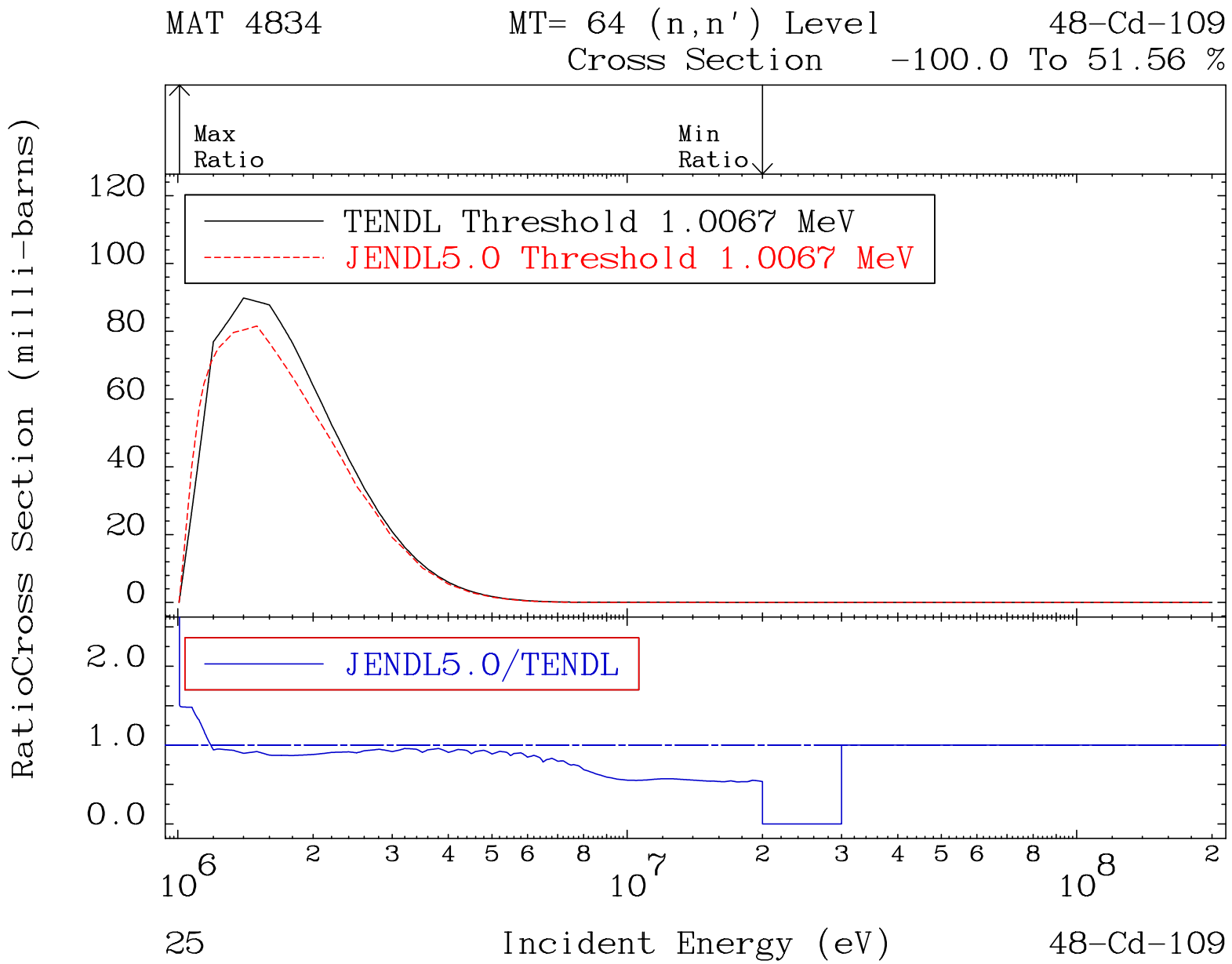

MAT 4834
MT= 59 (n,n') Level
Cross Section
48-Cd-109
-100.0 To 182.3 %
Max Ratio
Min Ratio
TENDL Threshold 825.58 keV
JENDL5.0 Threshold 825.58 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
48-Cd-109
20

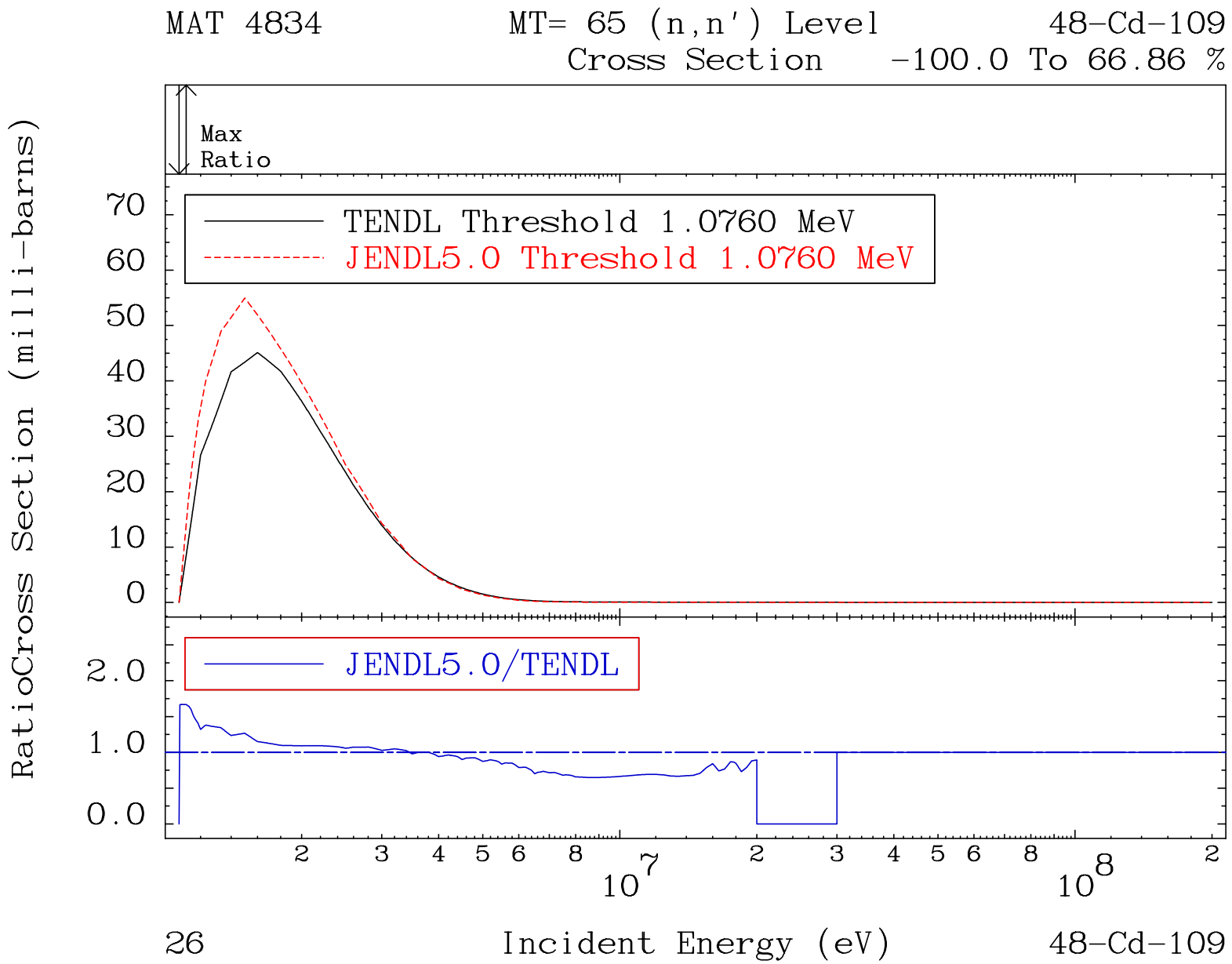

MAT 4834
MT= 60 (n,n') Level
48-Cd-109
Cross Section
-100.0 To 36.79 %
Max
Ratio
TENDL Threshold 829.65 keV
JENDL5.0 Threshold 829.92 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
2.0
1.0
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
21
Incident Energy (eV)
48-Cd-109

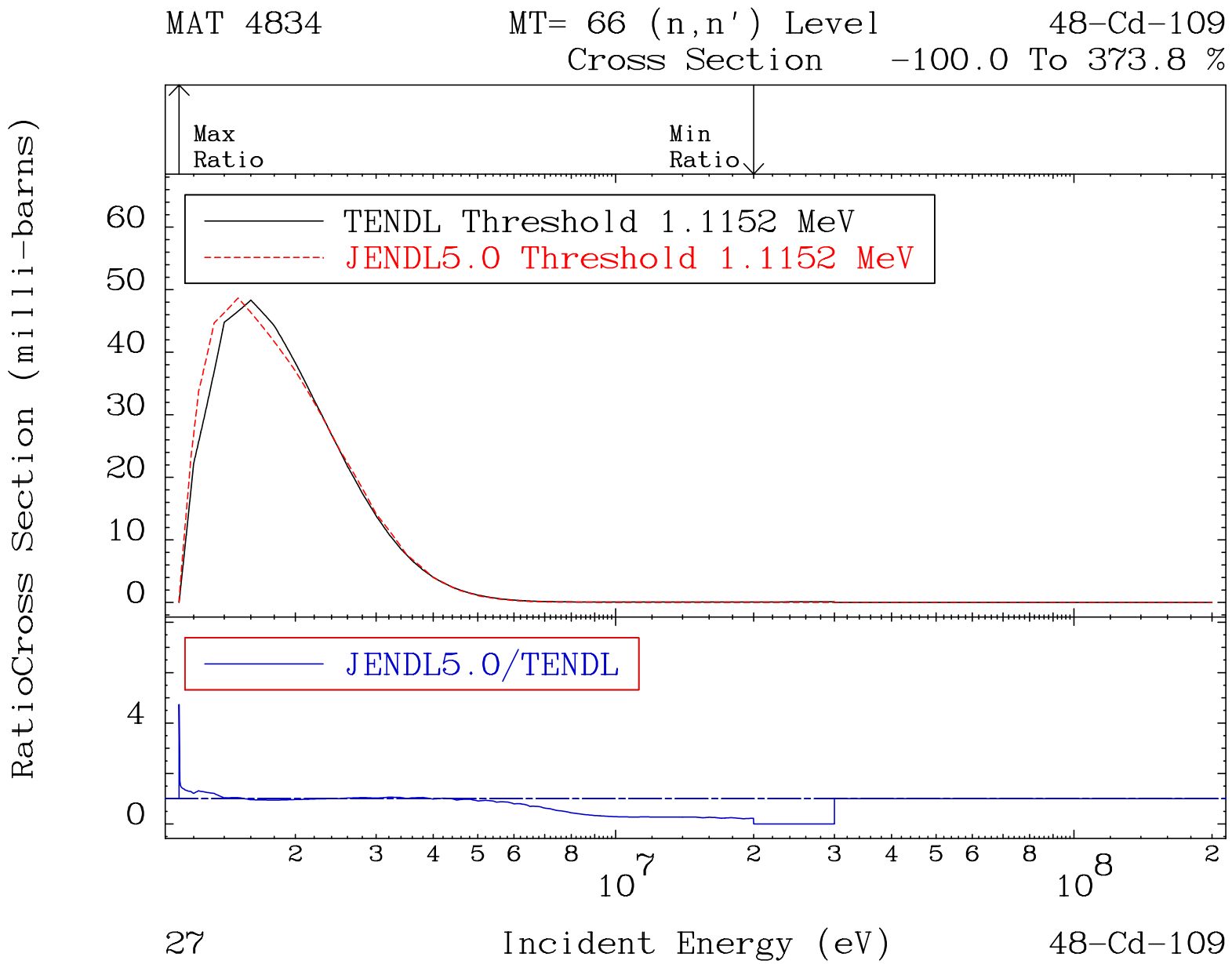

MAT 4834
MT= 61 (n,n') Level
48-Cd-109
Cross Section
-100.0 To 126.4 %
Max Ratio
Min Ratio
TENDL Threshold 899.50 keV
JENDL5.0 Threshold 899.41 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
3.0
2.0
1.0
0.0
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
22
Incident Energy (eV)
48-Cd-109

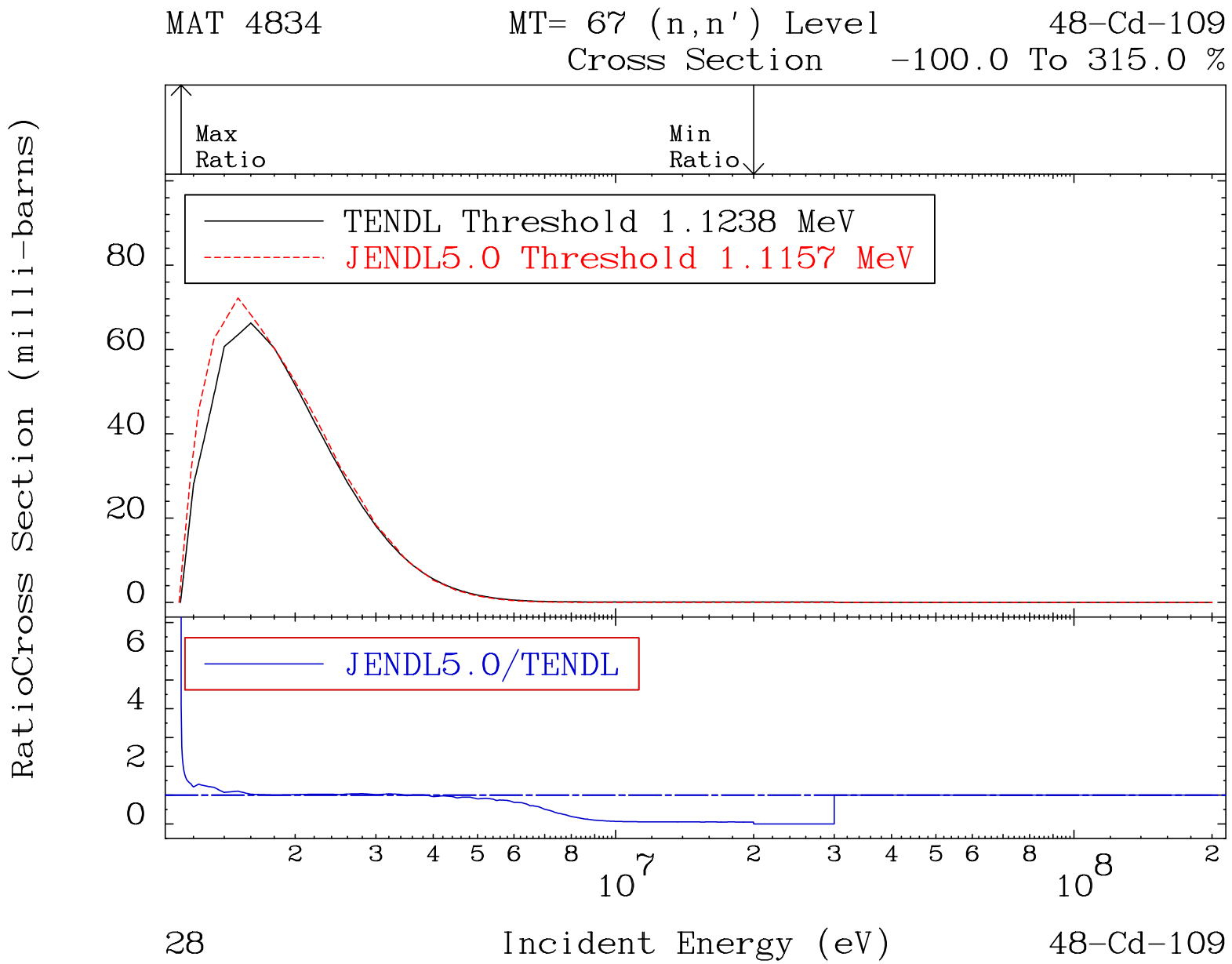

MAT 4834
MT= 62 (n,n') Level
Cross Section
48-Cd-109
-100.0 To 36.70 %
Max
Ratio
TENDL Threshold 937.99 keV
JENDL5.0 Threshold 937.99 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
2.0
1.0
0.0
10^6
10^7
10^8
Incident Energy (eV)
23
48-Cd-109

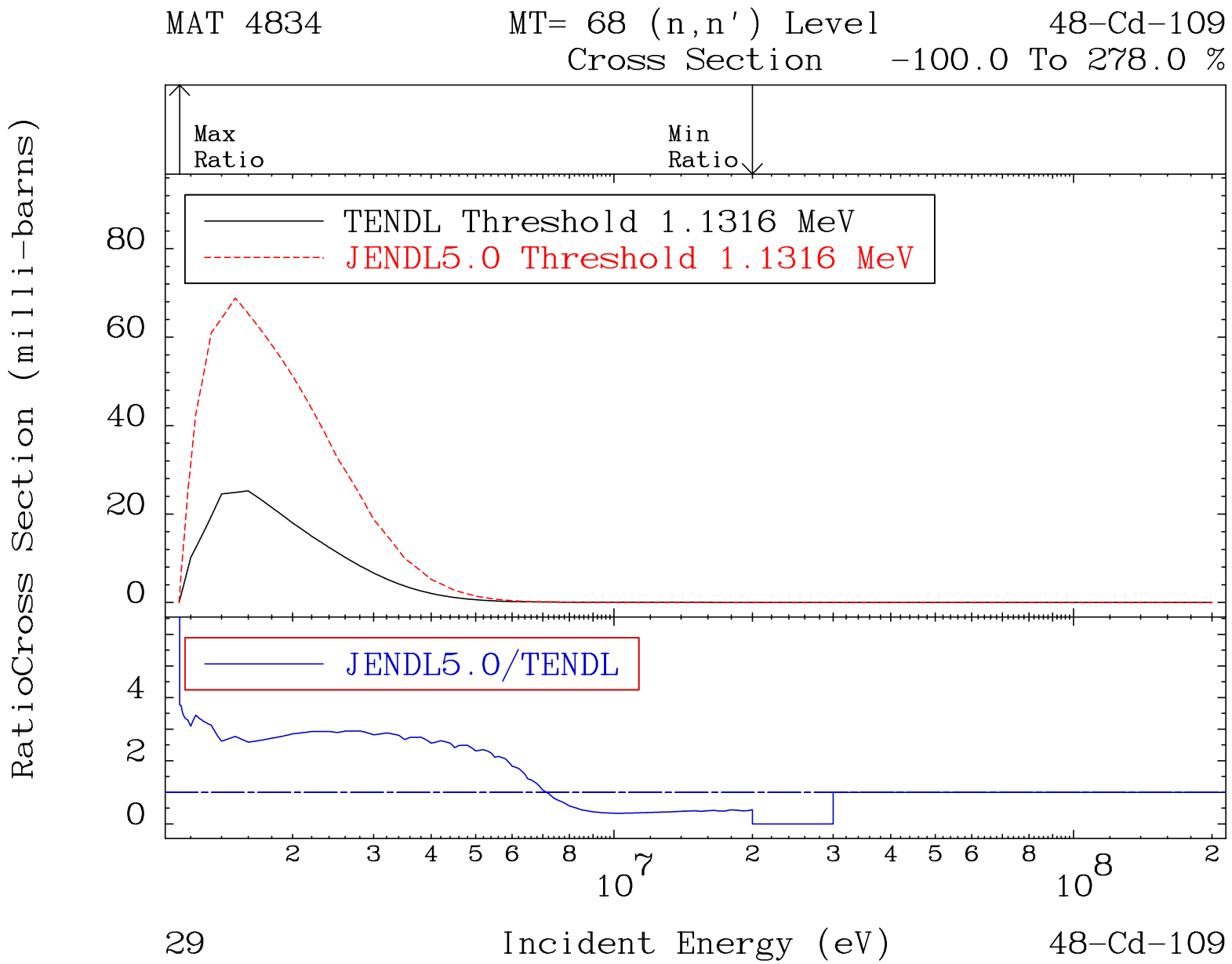

MAT 4834
MT= 63 (n,n') Level
48-Cd-109
Cross Section
-100.0 To 12.18 %
Max
Ratio
TENDL Threshold 994.64 keV
JENDL5.0 Threshold 994.95 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
24
48-Cd-109

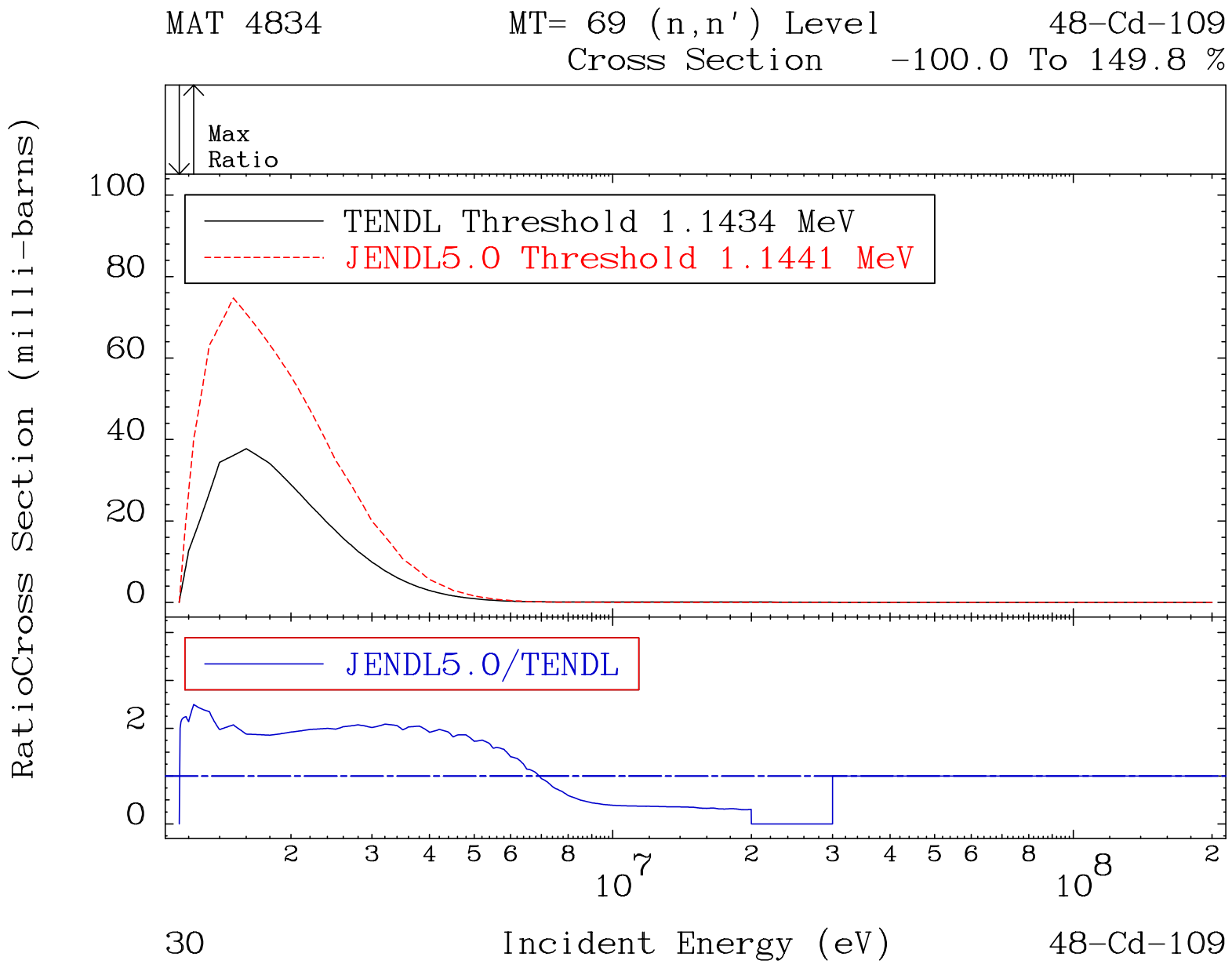

MAT 4834
MT= 64 (n,n') Level
48-Cd-109
Cross Section
-100.0 To 51.56 %
Max Ratio
Min Ratio
TENDL Threshold 1.0067 MeV
JENDL5.0 Threshold 1.0067 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
2.0
1.0
0.0
10^6
10^7
10^8
Incident Energy (eV)
25
48-Cd-109

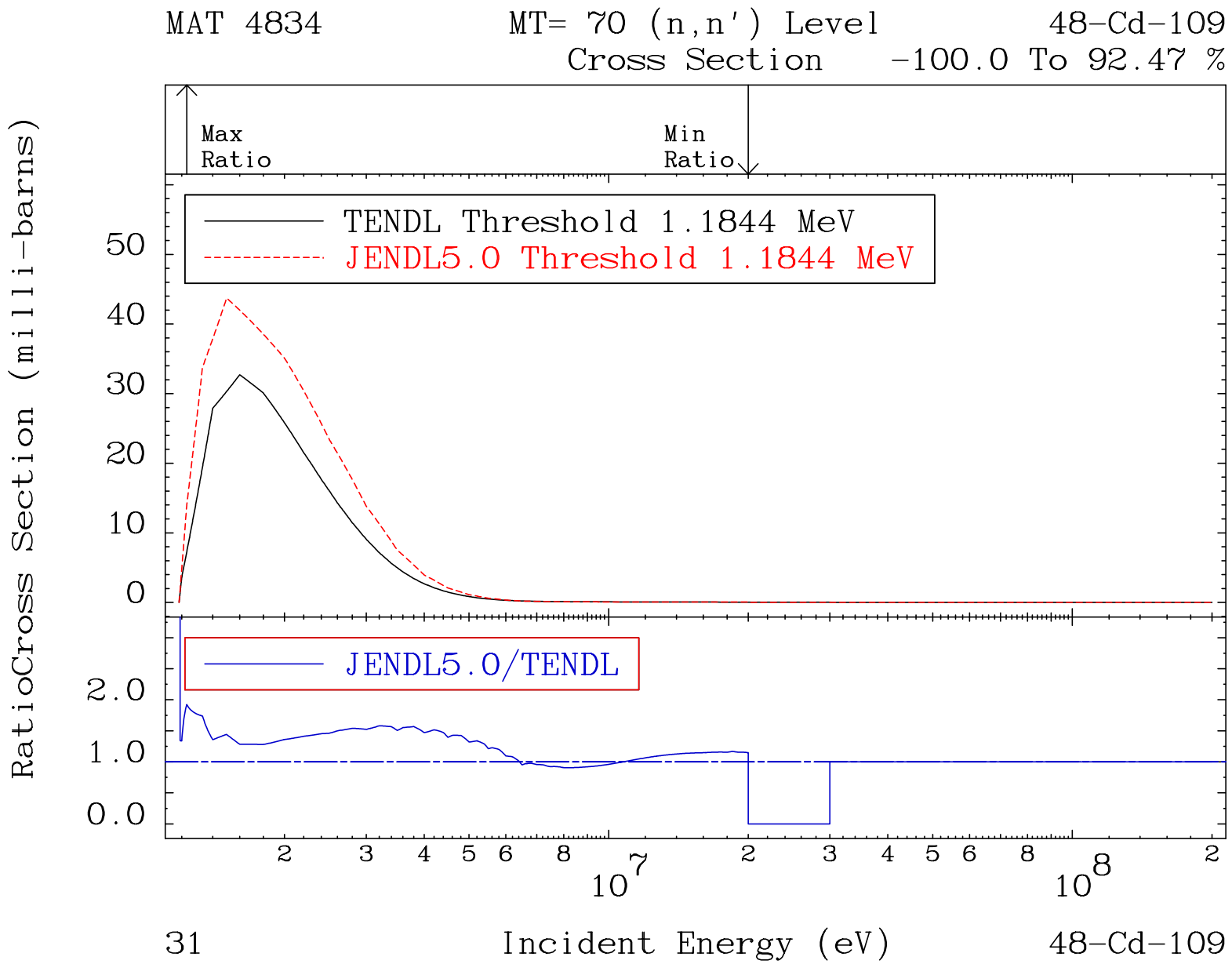

MAT 4834
MT= 65 (n,n') Level
Cross Section
48-Cd-109
-100.0 To 66.86 %
Max
Ratio
TENDL Threshold 1.0760 MeV
JENDL5.0 Threshold 1.0760 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
26
Incident Energy (eV)
48-Cd-109

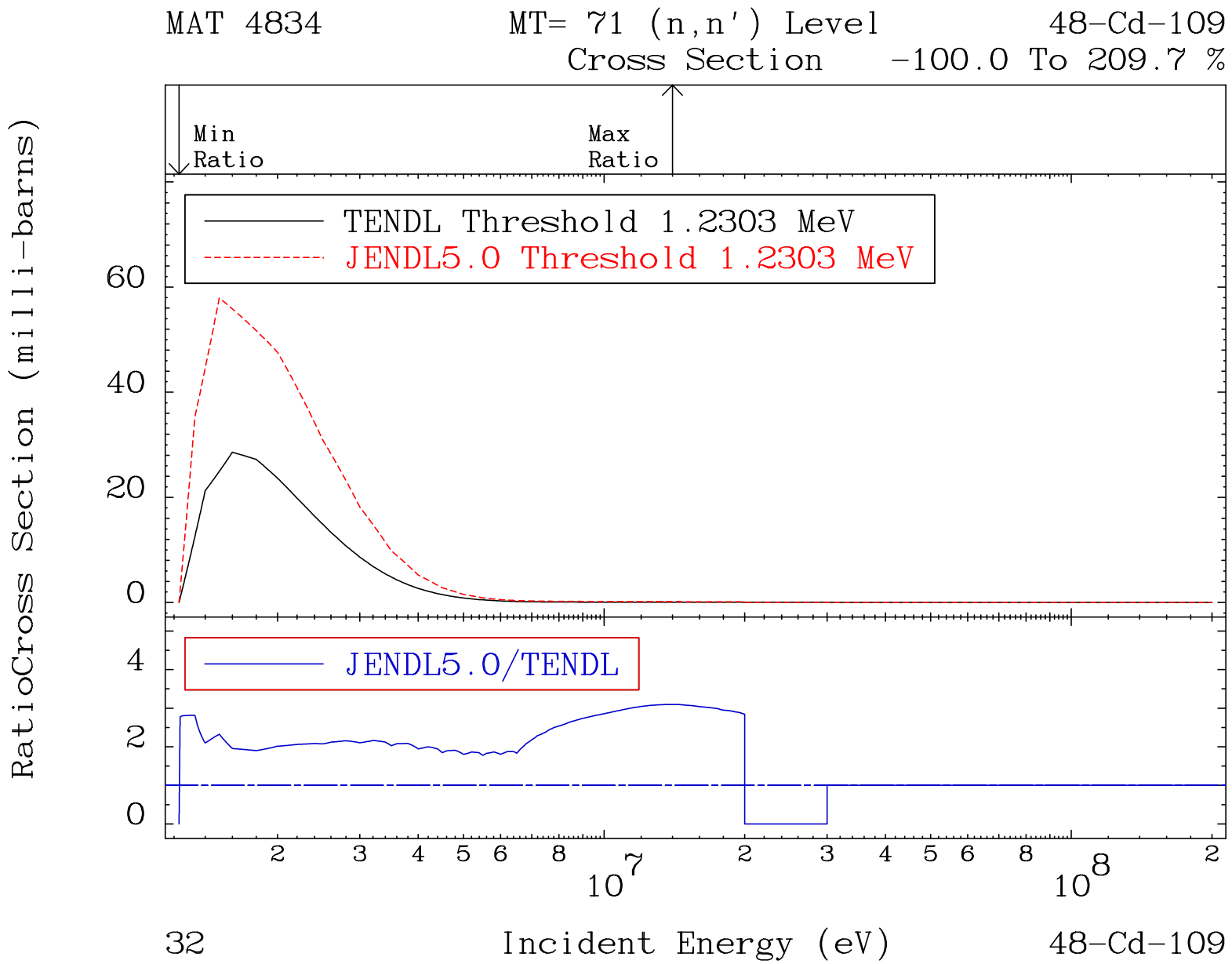

MAT 4834
MT= 66 (n,n') Level
48-Cd-109
Cross Section
-100.0 To 373.8 %
Max Ratio
Min Ratio
TENDL Threshold 1.1152 MeV
JENDL5.0 Threshold 1.1152 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
4
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
27
Incident Energy (eV)
48-Cd-109

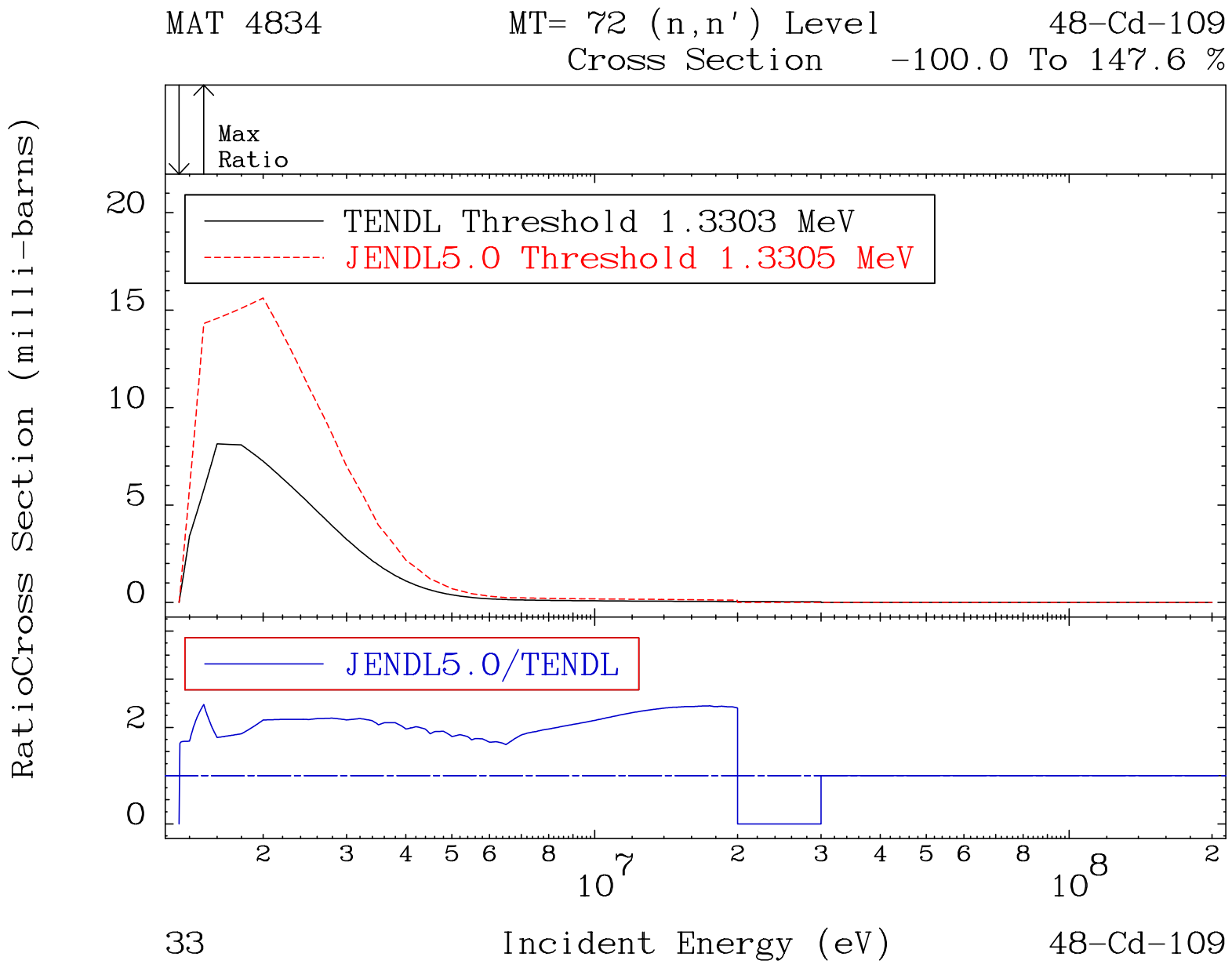

MAT 4834
MT= 67 (n,n') Level
48-Cd-109
Cross Section
-100.0 To 315.0 %
Max Ratio
Min Ratio
TENDL Threshold 1.1238 MeV
JENDL5.0 Threshold 1.1157 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
6
4
2
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
28
Incident Energy (eV)
48-Cd-109

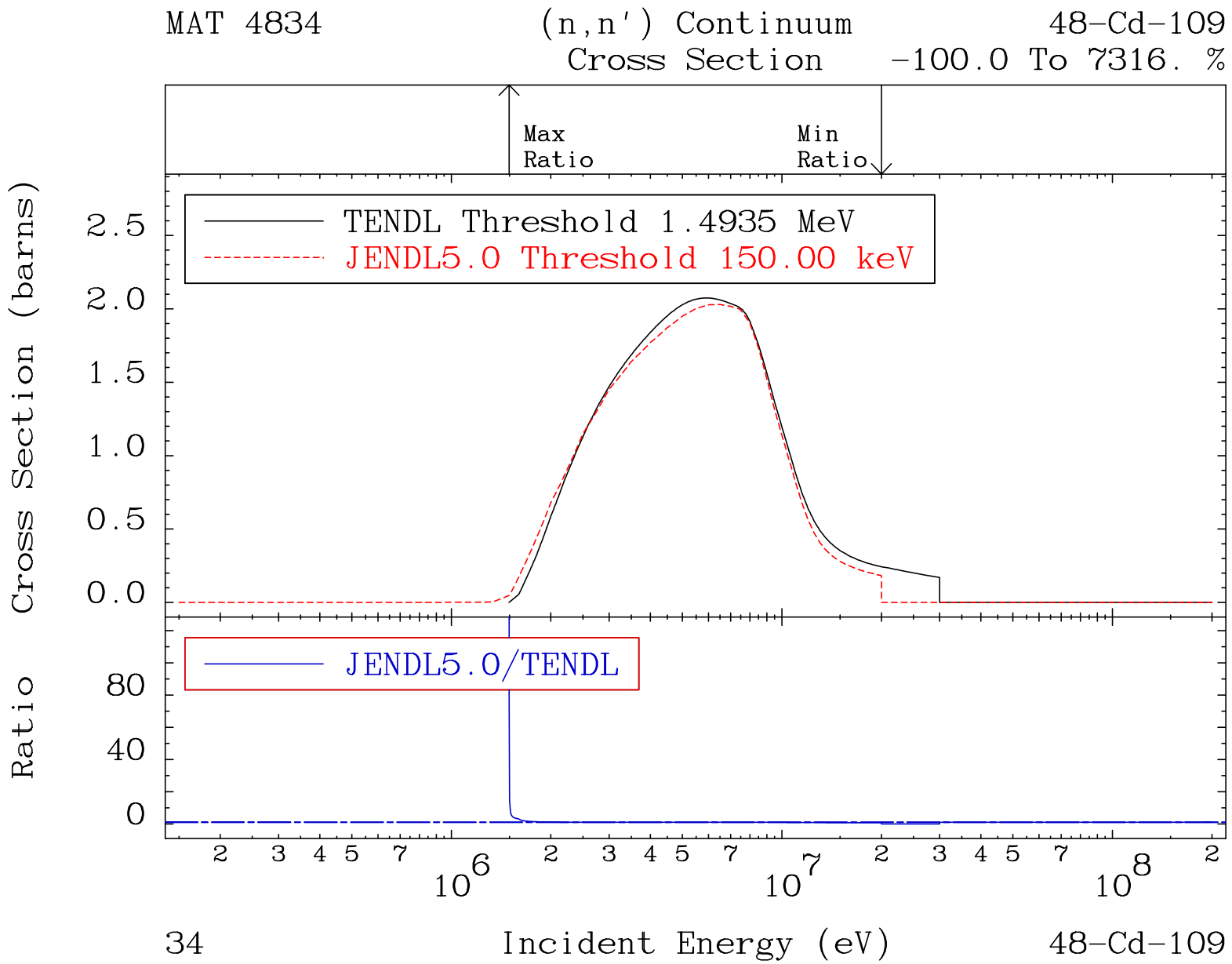

MAT 4834
MT= 68 (n,n') Level
48-Cd-109
Cross Section
-100.0 To 278.0 %
Max Ratio
Min Ratio
TENDL Threshold 1.1316 MeV
JENDL5.0 Threshold 1.1316 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
4
2
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
29
Incident Energy (eV)
48-Cd-109

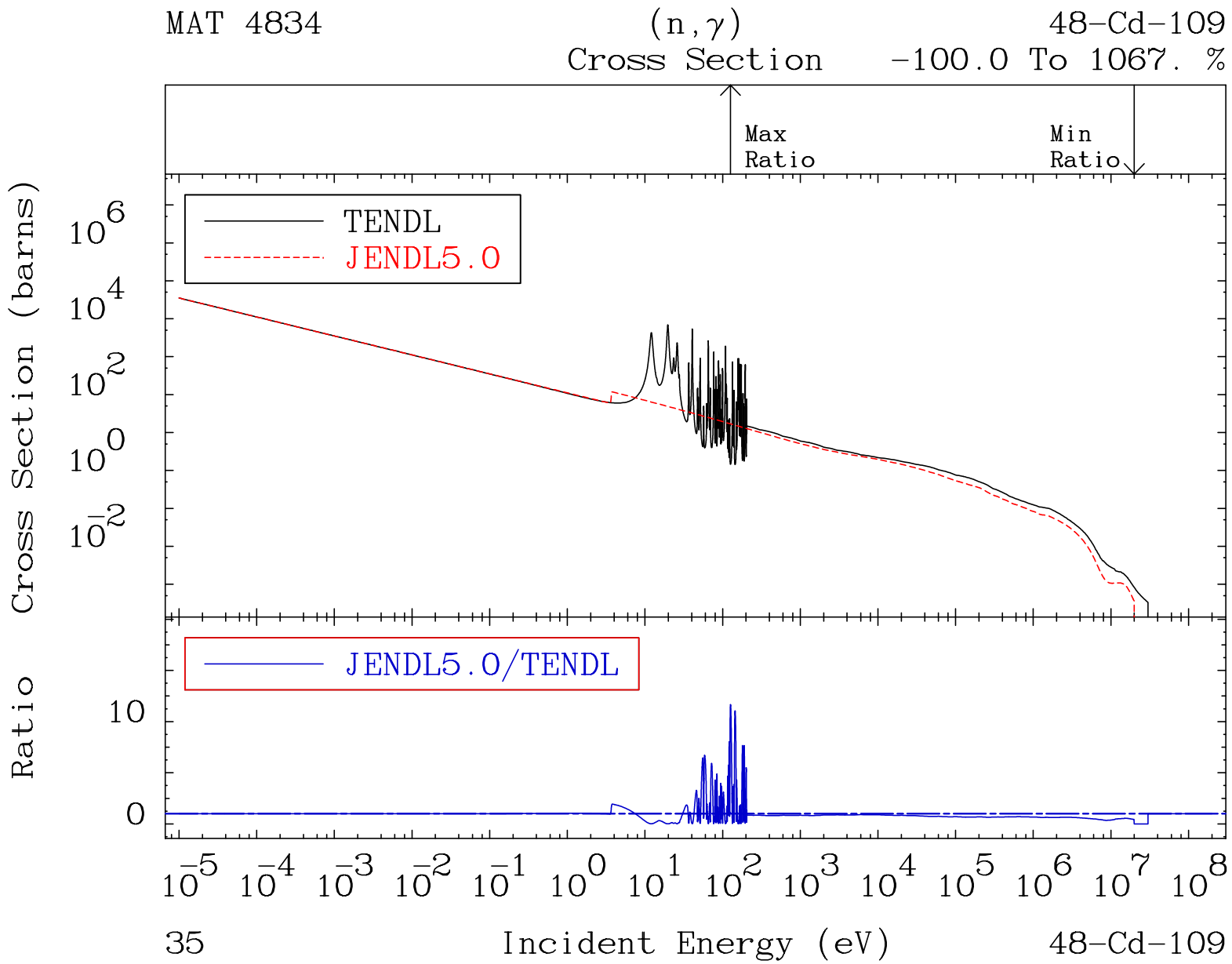

MAT 4834
MT= 69 (n,n') Level
Cross Section
48-Cd-109
-100.0 To 149.8 %
Max
Ratio
TENDL Threshold 1.1434 MeV
JENDL5.0 Threshold 1.1441 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
30
Incident Energy (eV)
48-Cd-109

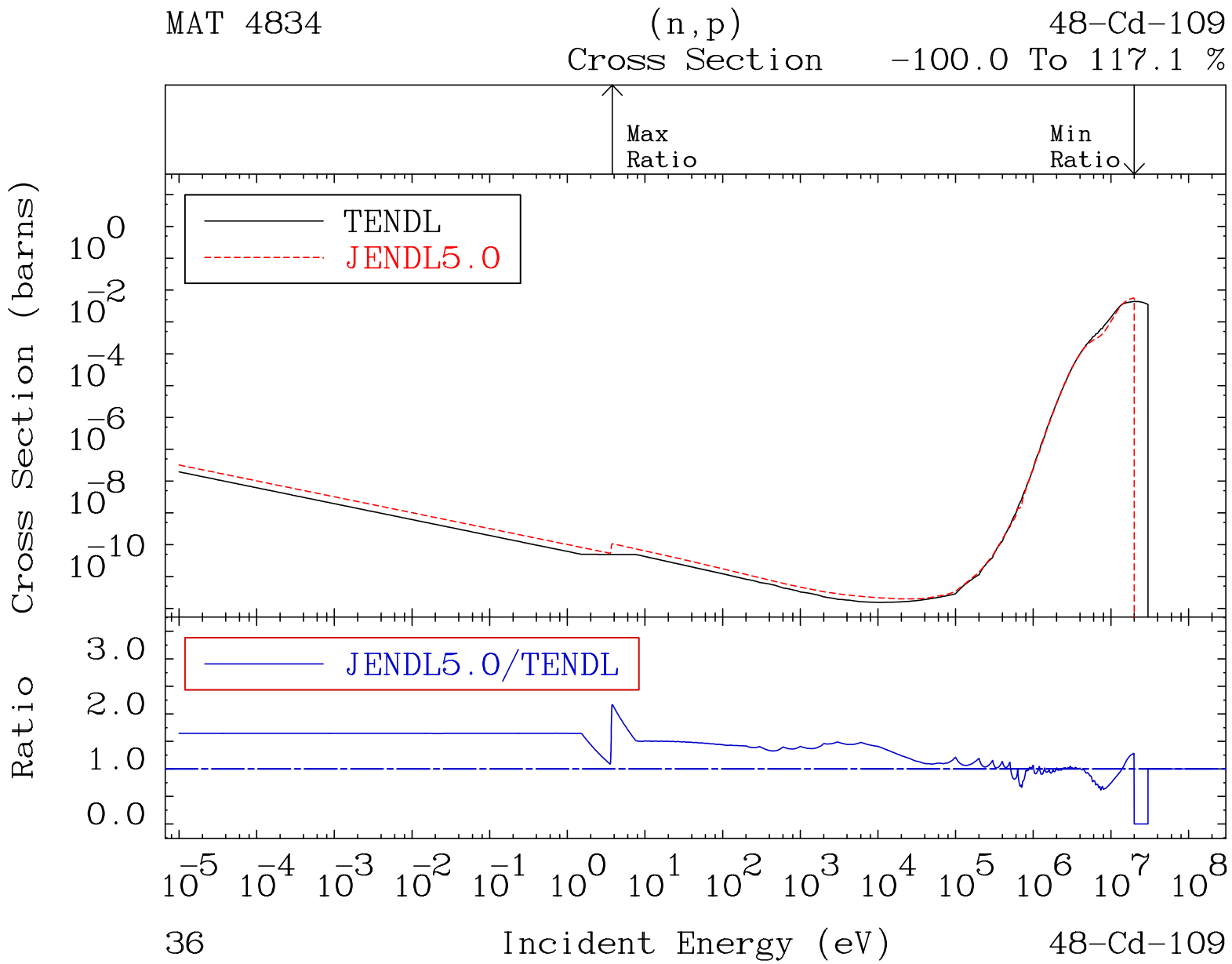

MAT 4834
MT= 70 (n,n') Level
48-Cd-109
Cross Section -100.0 To 92.47 %
Max Ratio
Min Ratio
TENDL Threshold 1.1844 MeV
JENDL5.0 Threshold 1.1844 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
2.0
1.0
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
31
Incident Energy (eV)
48-Cd-109

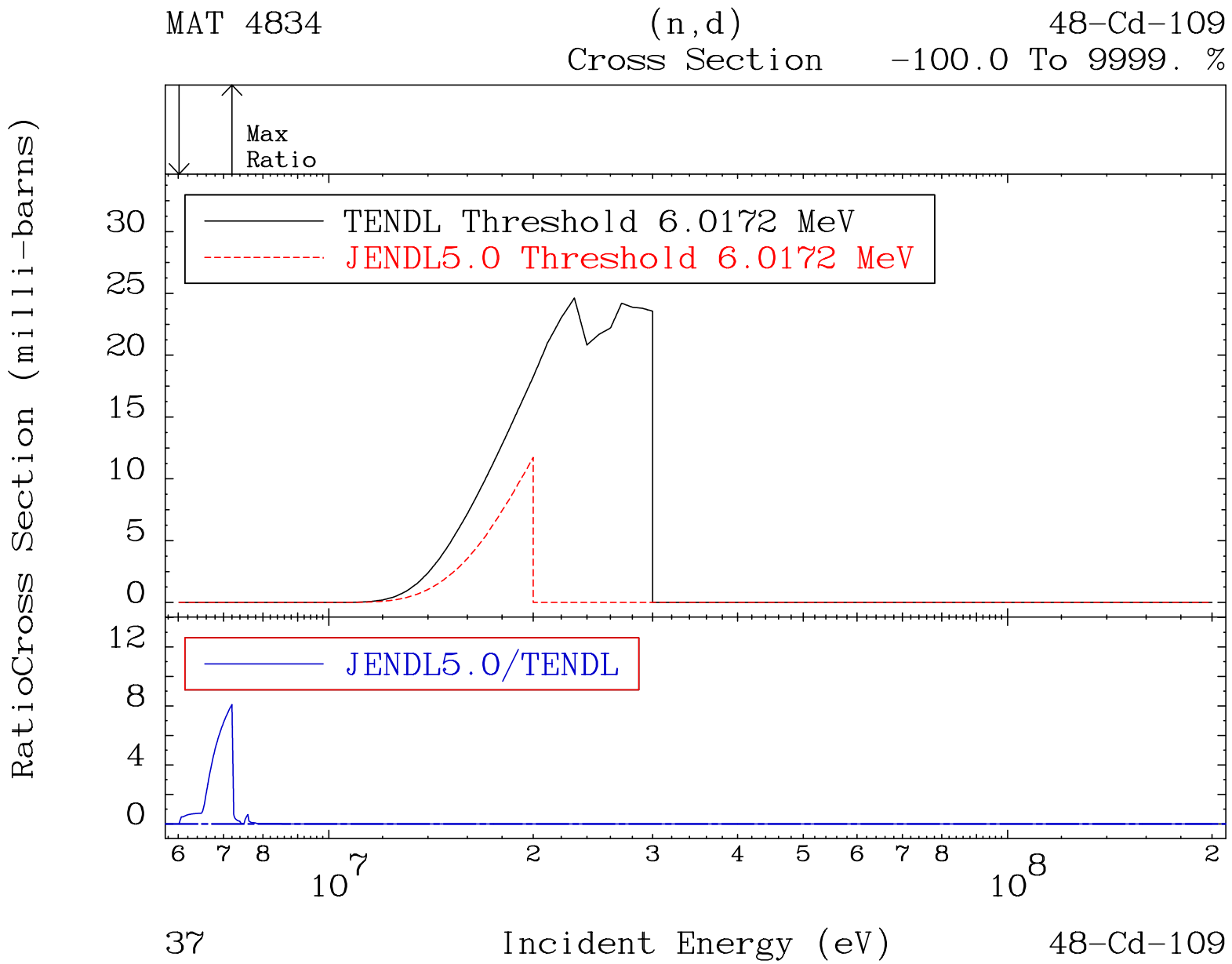

MAT 4834
MT= 71 (n,n') Level
48-Cd-109
Cross Section -100.0 To 209.7 %
Min Ratio
Max Ratio
TENDL Threshold 1.2303 MeV
JENDL5.0 Threshold 1.2303 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
4
2
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
32
Incident Energy (eV)
48-Cd-109

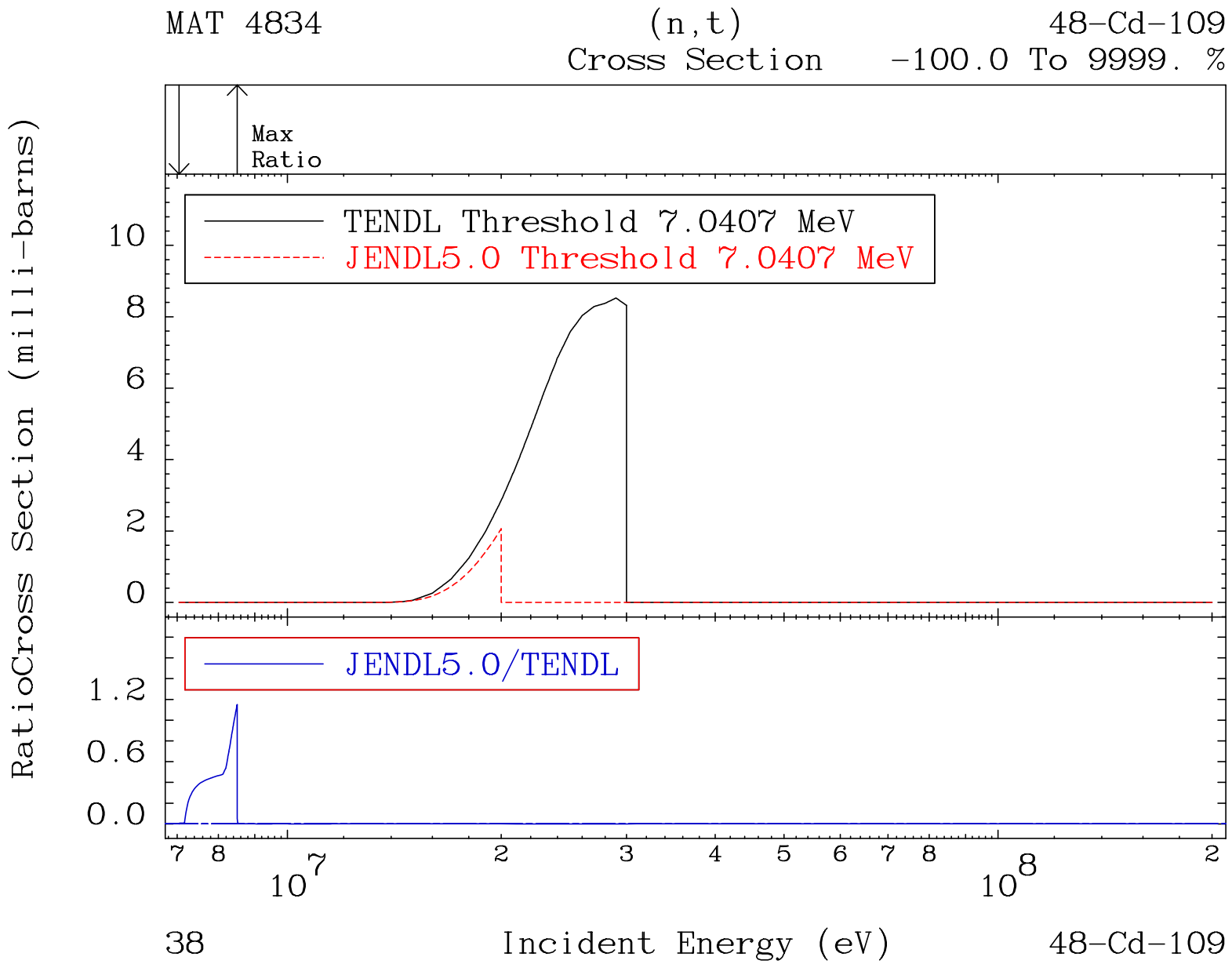

MAT 4834
MT= 72 (n,n') Level
48-Cd-109
Cross Section -100.0 To 147.6 %
Max
Ratio
TENDL Threshold 1.3303 MeV
JENDL5.0 Threshold 1.3305 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
2
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
33
Incident Energy (eV)
48-Cd-109

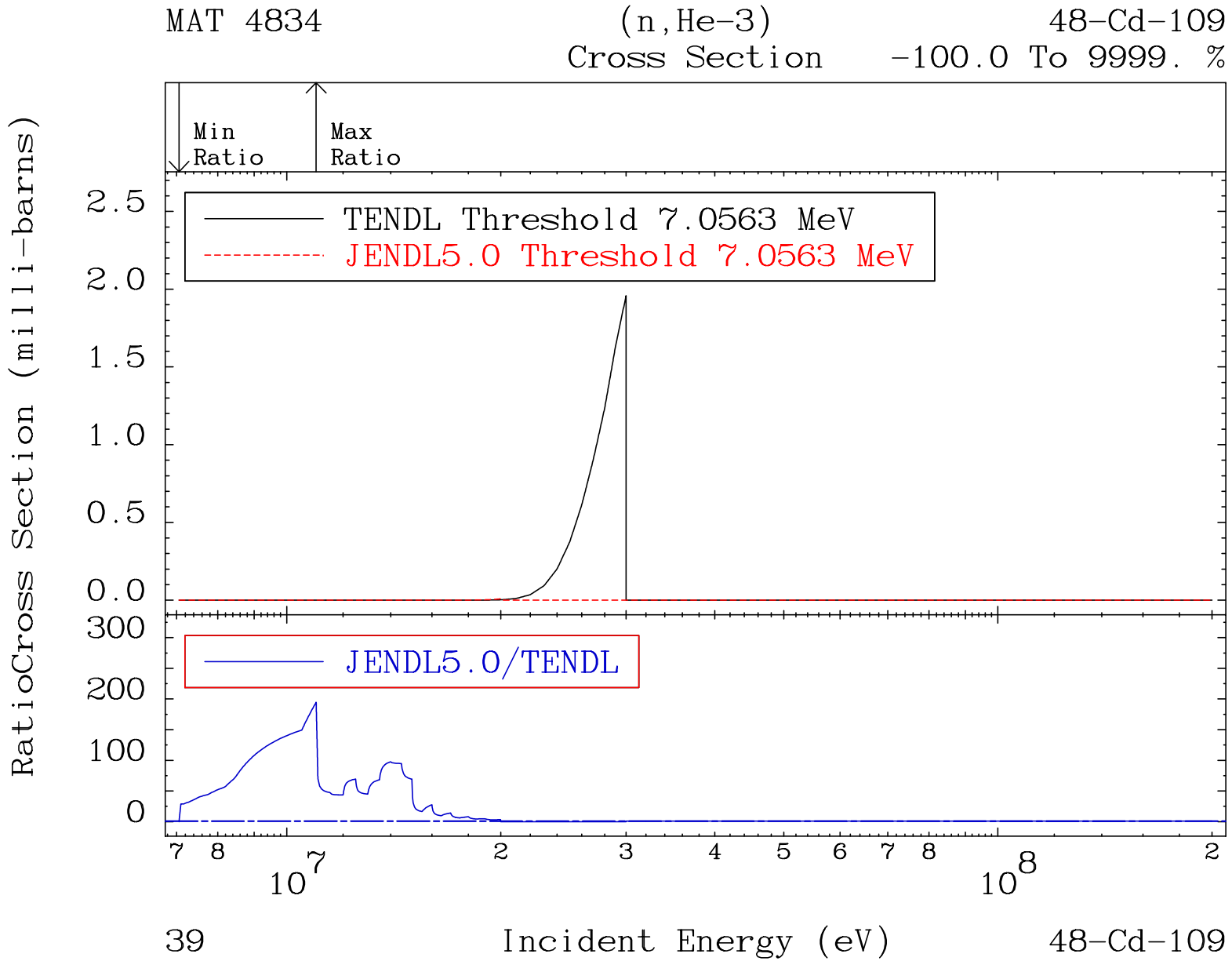

MAT 4834
(n,n') Continuum
Cross Section
48-Cd-109
-100.0 To 7316. %
Max Ratio
Min Ratio
TENDL Threshold 1.4935 MeV
JENDL5.0 Threshold 150.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
80
40
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
34
Incident Energy (eV)
48-Cd-109

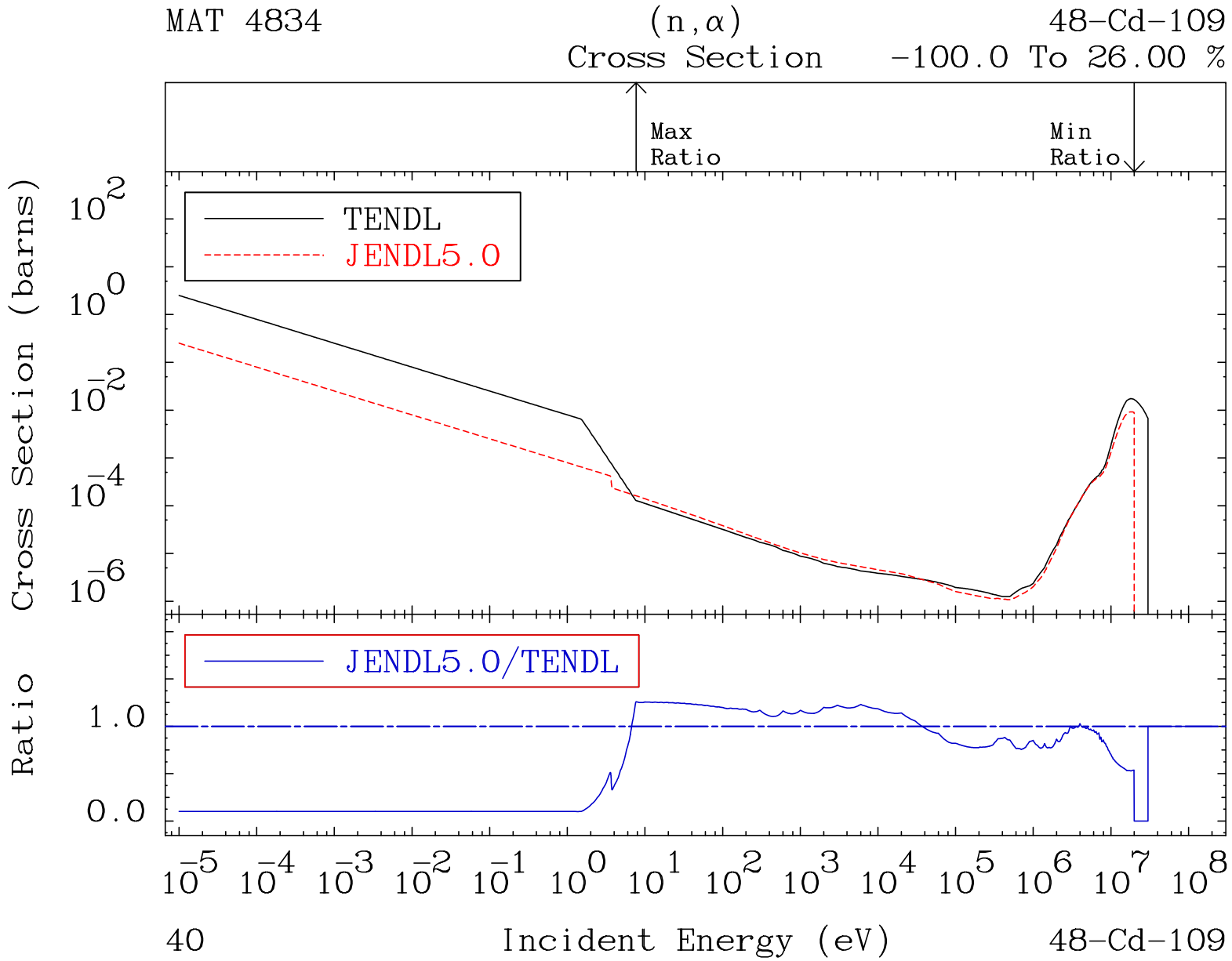

MAT 4834
(n,γ)
Cross Section
48-Cd-109
-100.0 To 1067. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
35
48-Cd-109

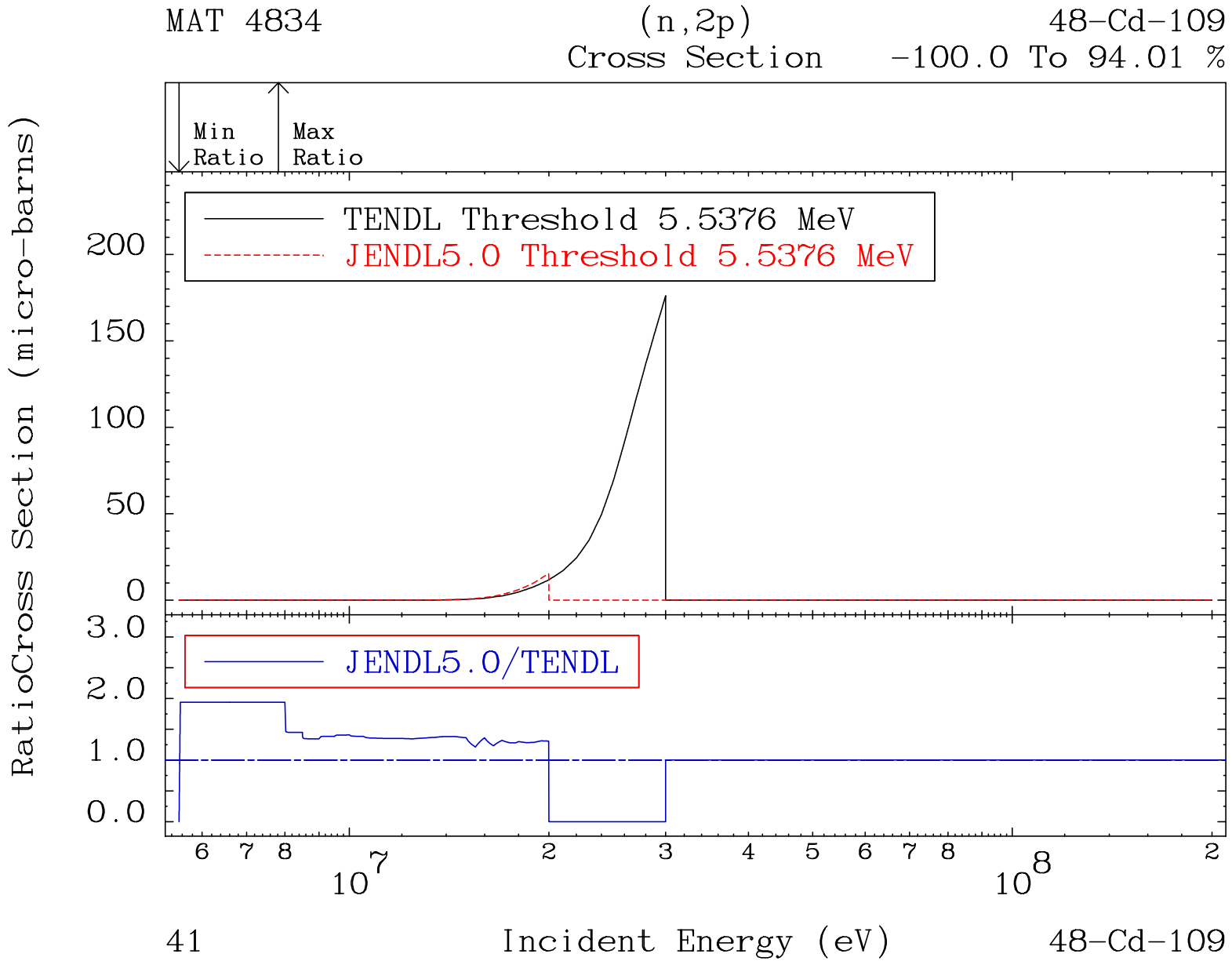

MAT 4834
(n,p)
48-Cd-109
Cross Section
-100.0 To 117.1 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
36
48-Cd-109

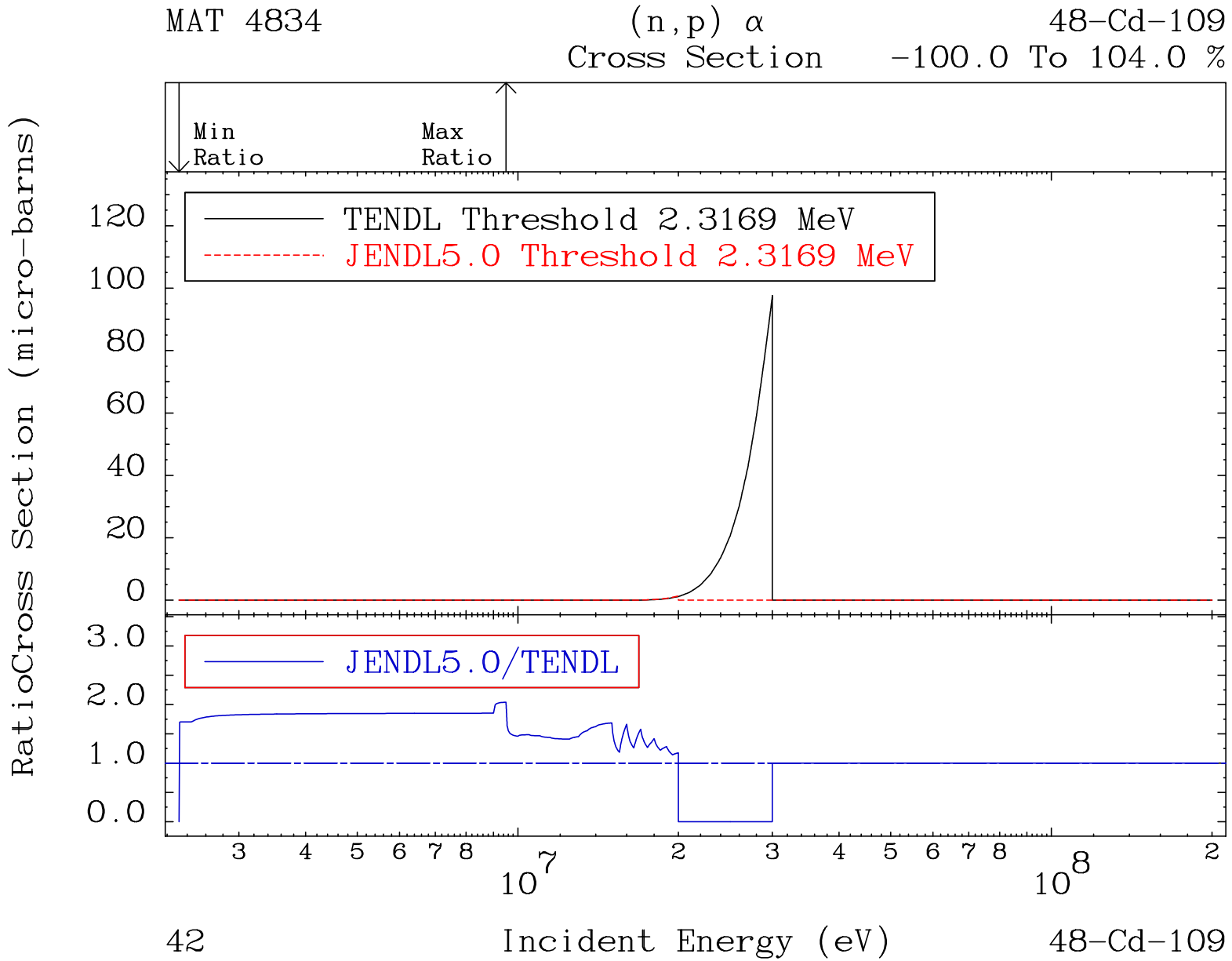

MAT 4834
(n,d)
Cross Section
48-Cd-109
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.0172 MeV
JENDL5.0 Threshold 6.0172 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
12
8
4
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
37
Incident Energy (eV)
48-Cd-109

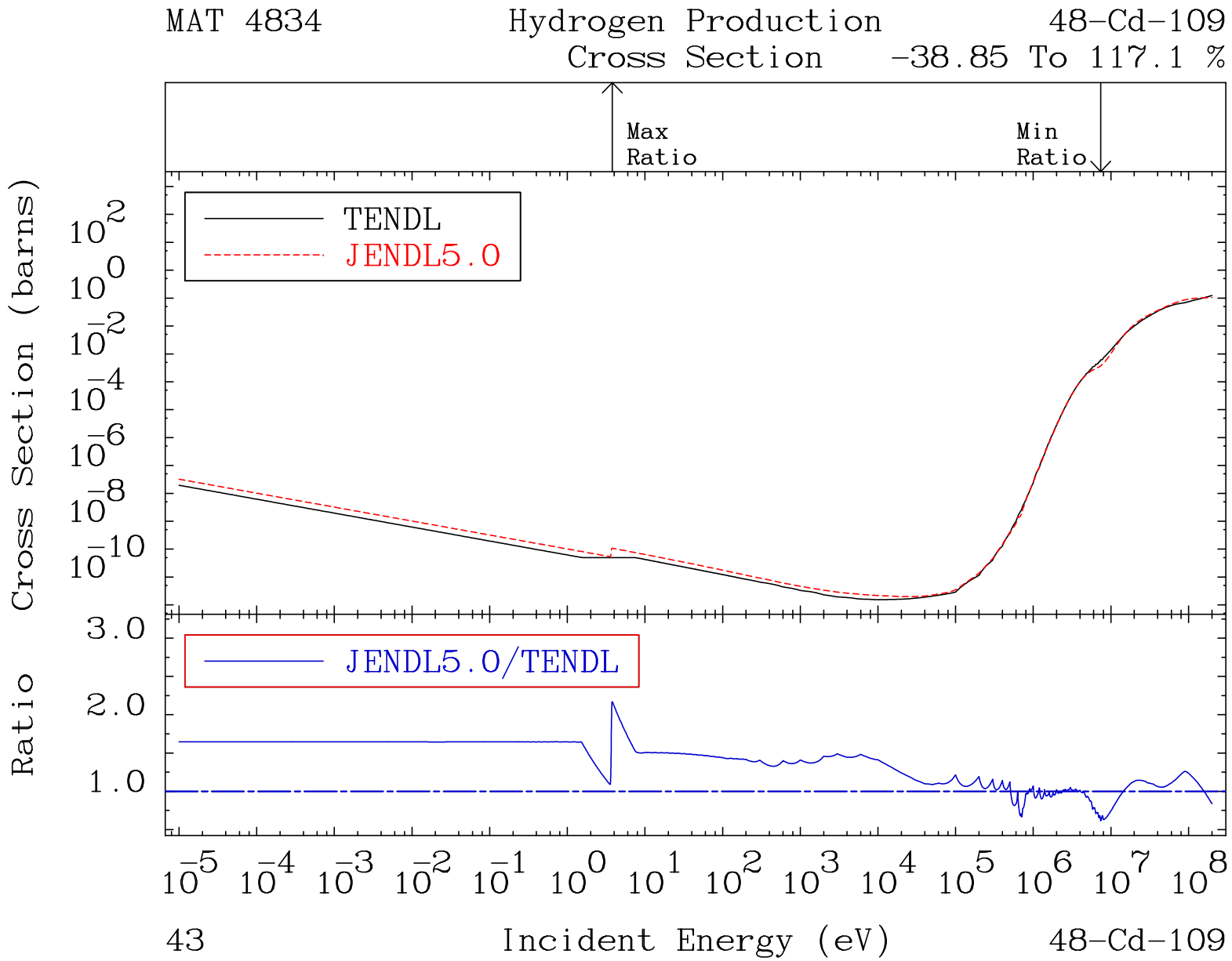

MAT 4834
(n,t)
48-Cd-109
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 7.0407 MeV
JENDL5.0 Threshold 7.0407 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
1.2
0.6
0.0
7
8
10^7
2
3
4
5
6
7
8
10^8
2
38
Incident Energy (eV)
48-Cd-109

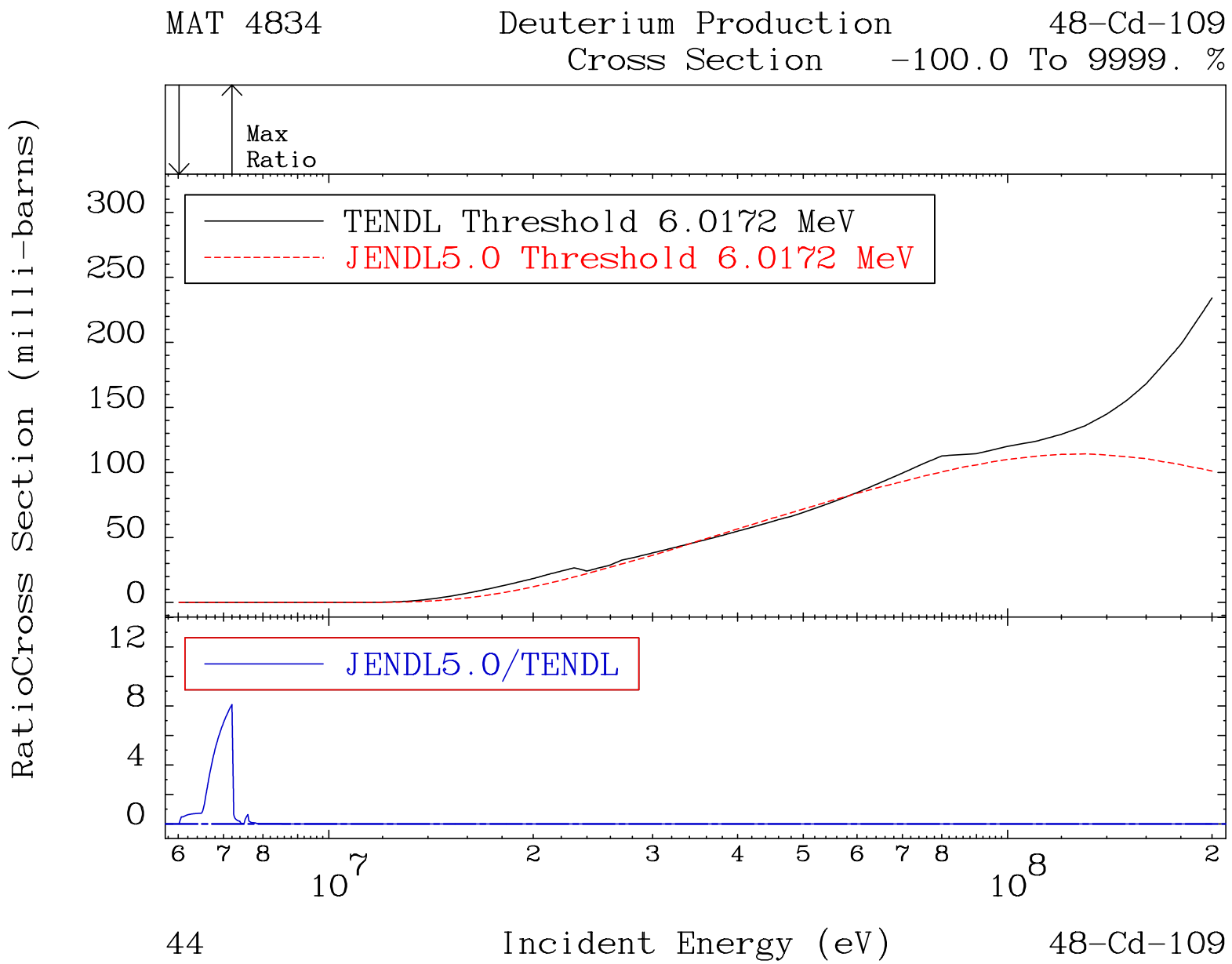

MAT 4834
(n,He-3)
Cross Section
48-Cd-109
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 7.0563 MeV
JENDL5.0 Threshold 7.0563 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
300
200
100
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
39
Incident Energy (eV)
48-Cd-109

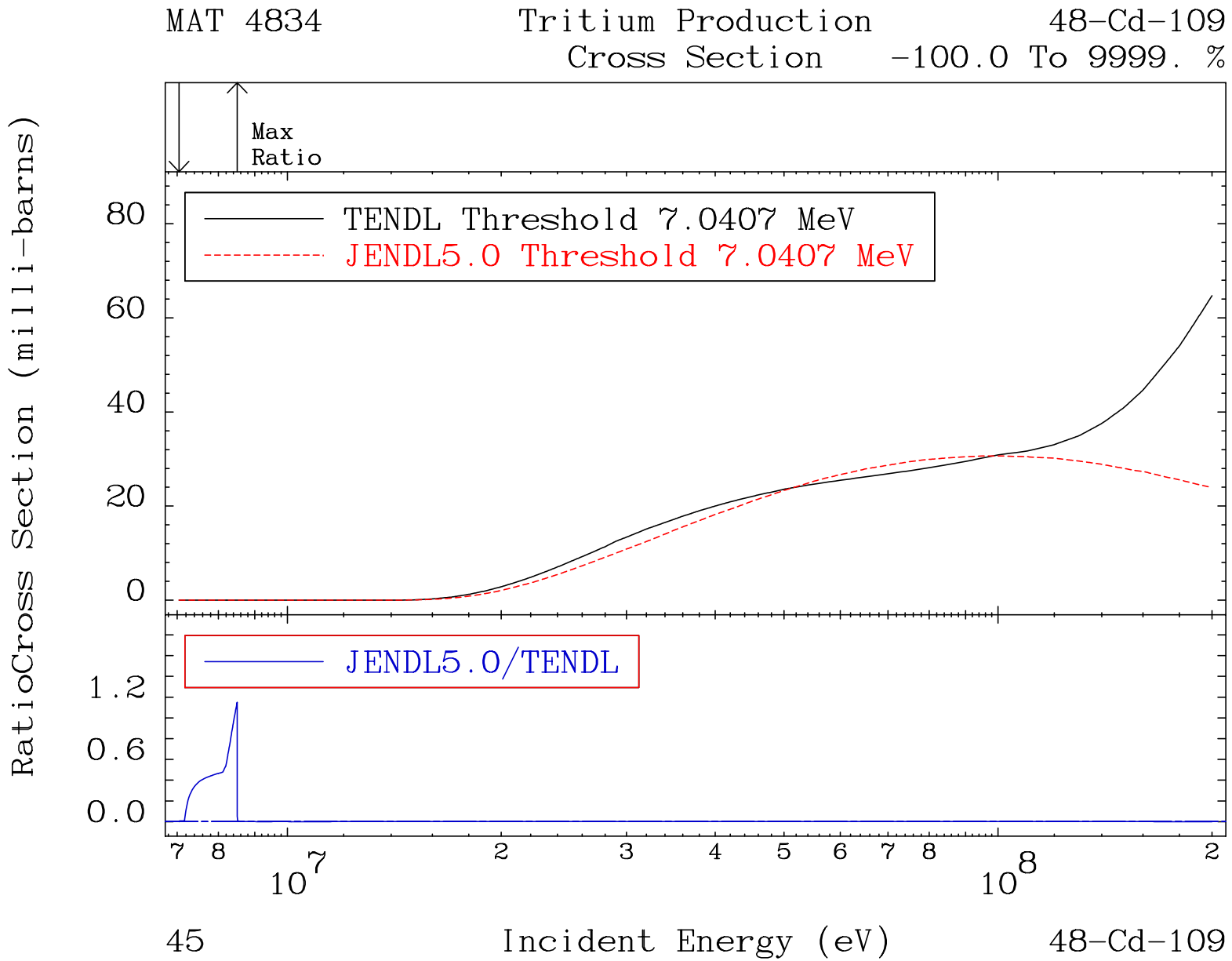

MAT 4834
(n,α)
Cross Section
48-Cd-109
-100.0 To 26.00 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
1.0
0.0
Incident Energy (eV)
40
48-Cd-109

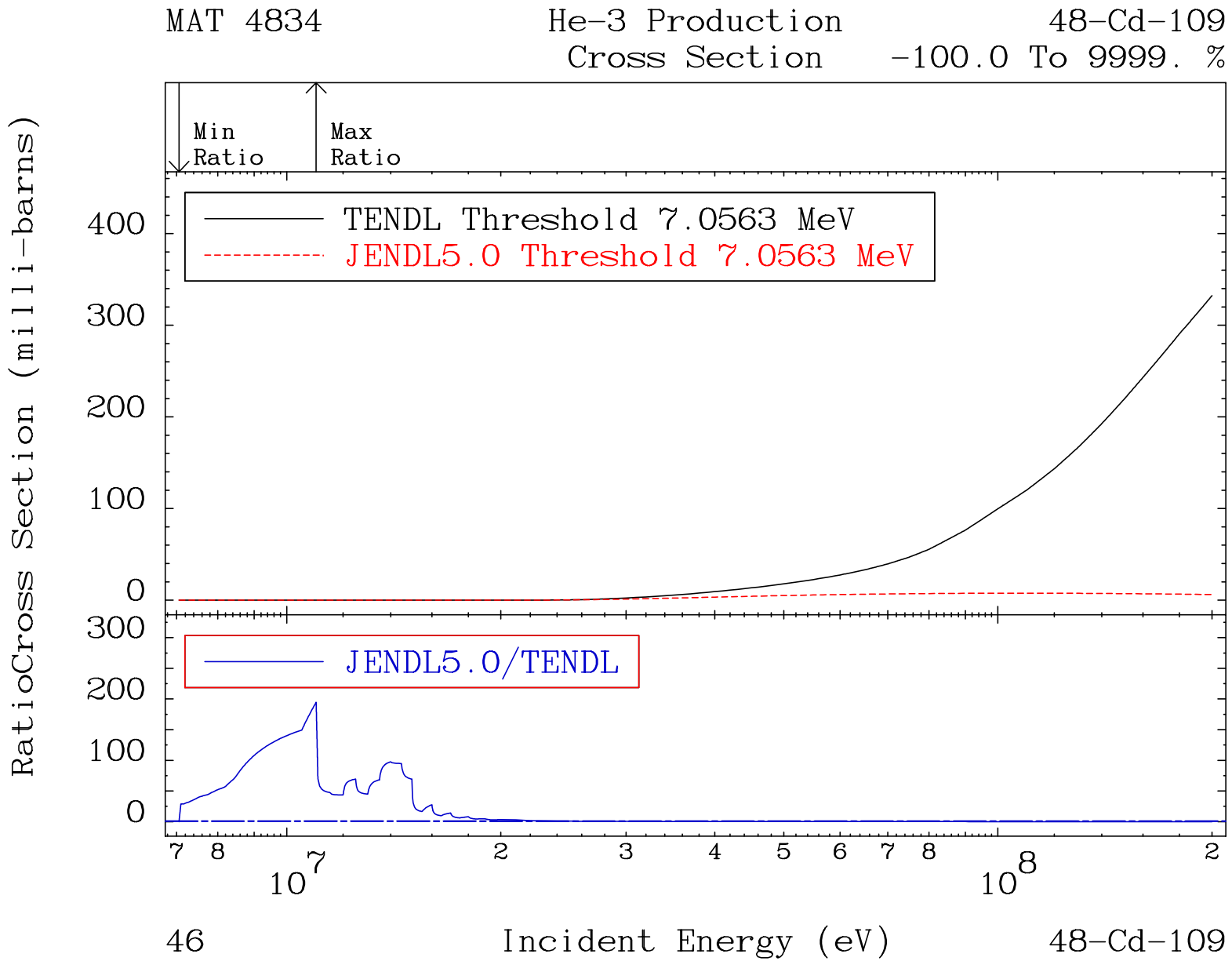

MAT 4834
(n,2p)
48-Cd-109
Cross Section
-100.0 To 94.01 %
Min Ratio
Max Ratio
TENDL Threshold 5.5376 MeV
JENDL5.0 Threshold 5.5376 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
200
150
100
50
0
3.0
2.0
1.0
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
41
Incident Energy (eV)
48-Cd-109

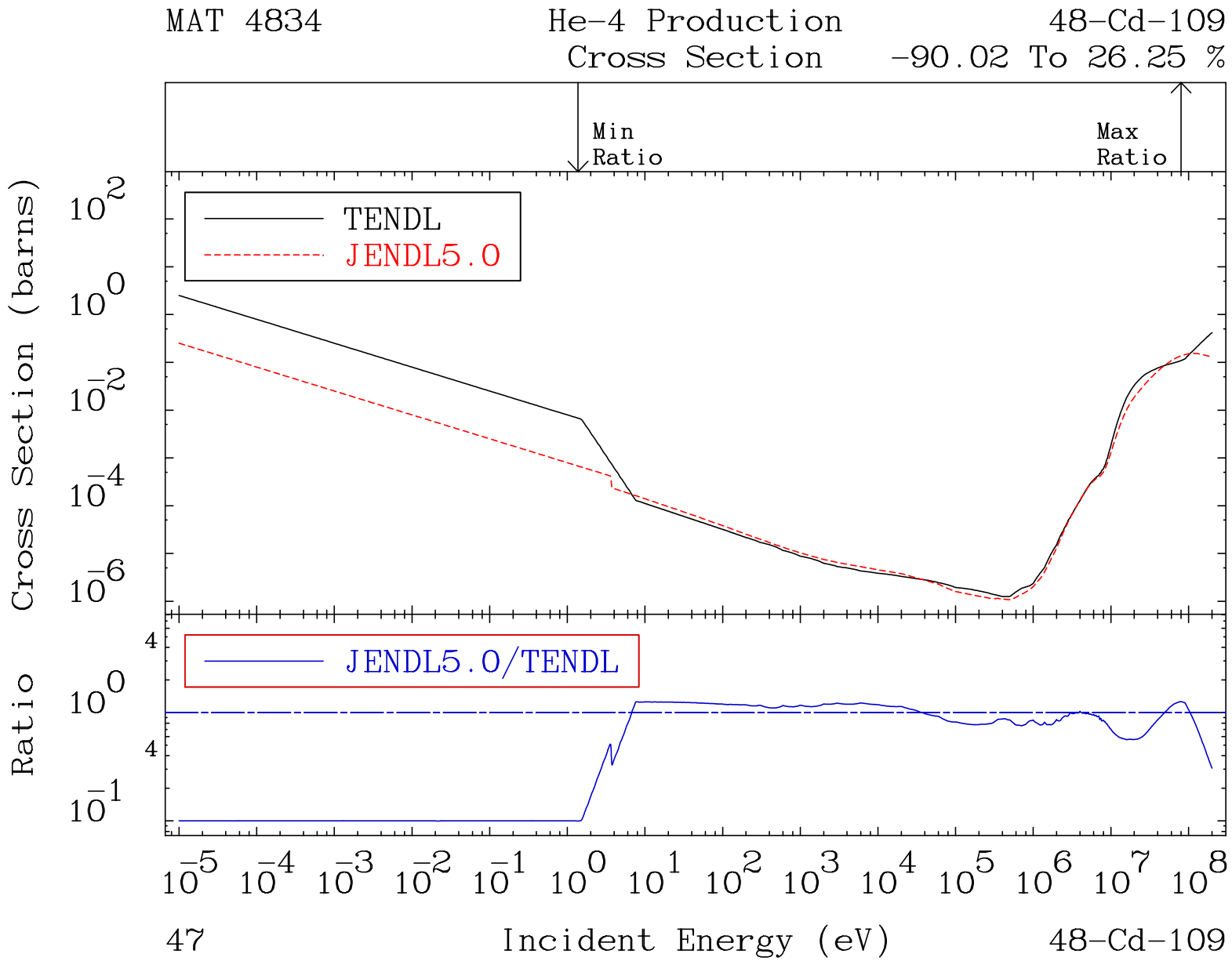

MAT 4834
(n,p) α
Cross Section
48-Cd-109
-100.0 To 104.0 %
Min Ratio
Max Ratio
TENDL Threshold 2.3169 MeV
JENDL5.0 Threshold 2.3169 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
120
100
80
60
40
20
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
42
Incident Energy (eV)
48-Cd-109

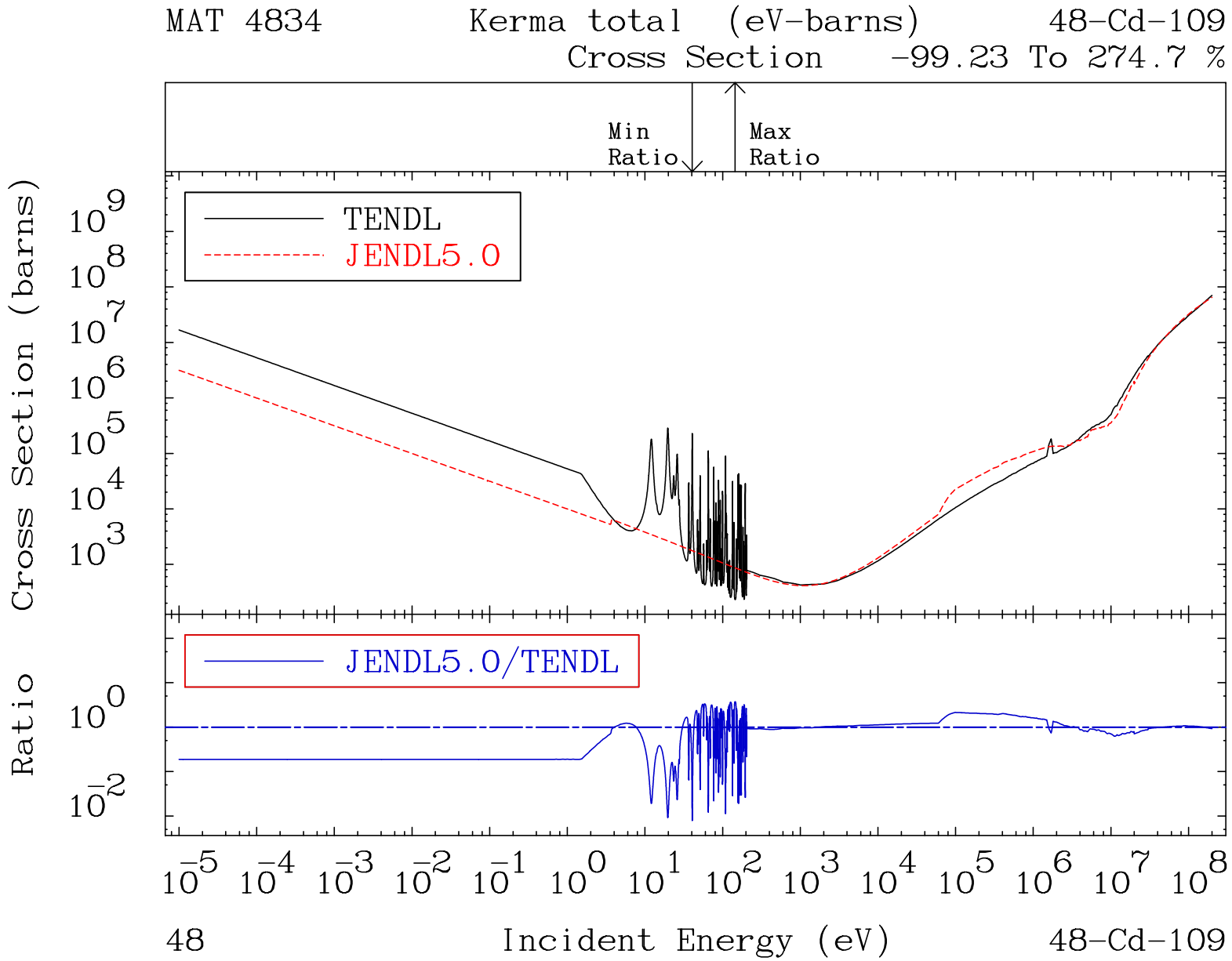

MAT 4834
Hydrogen Production
48-Cd-109
Cross Section
-38.85 To 117.1 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
43
48-Cd-109

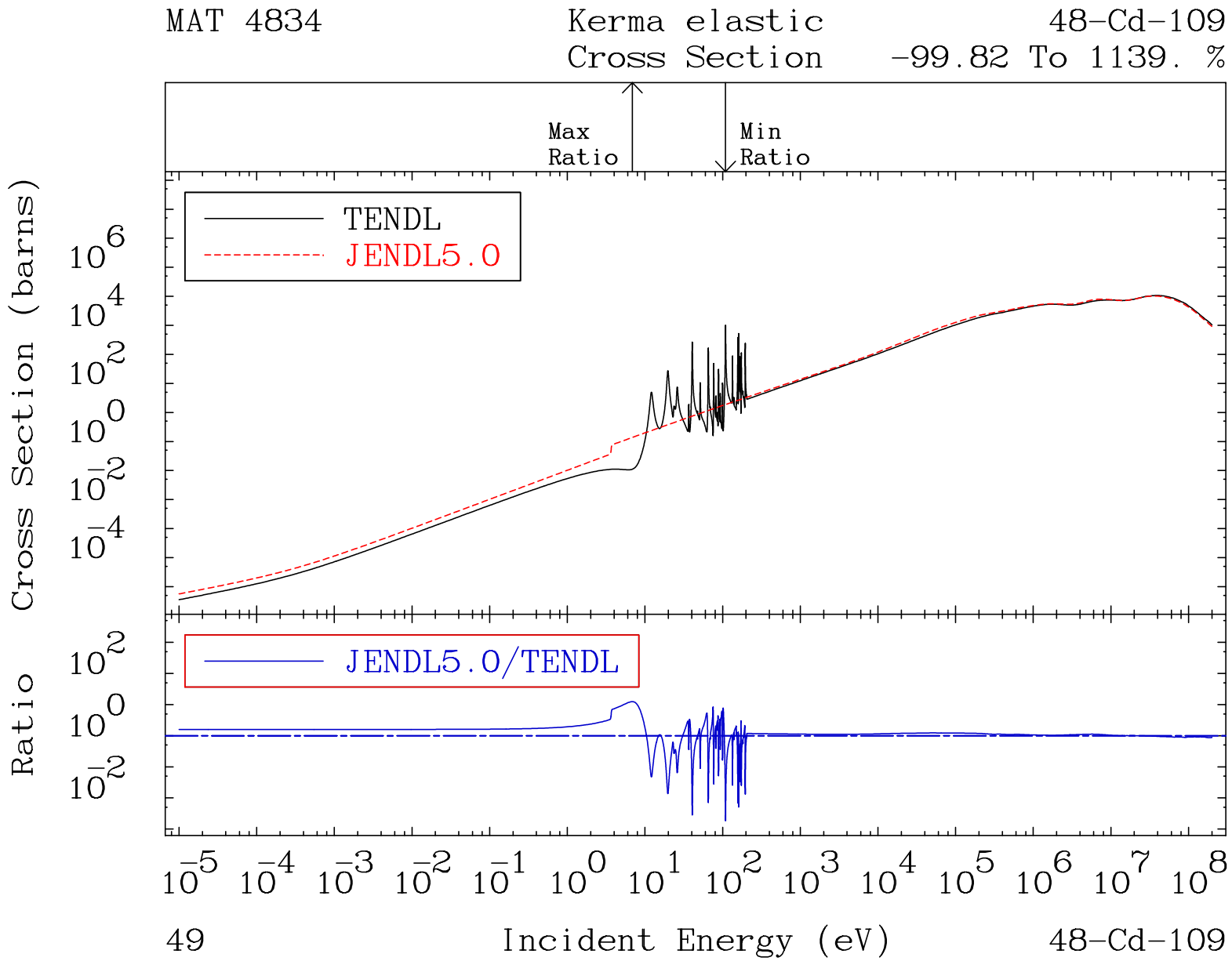

MAT 4834
Deuterium Production
48-Cd-109
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.0172 MeV
JENDL5.0 Threshold 6.0172 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
12
8
4
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
44
Incident Energy (eV)
48-Cd-109

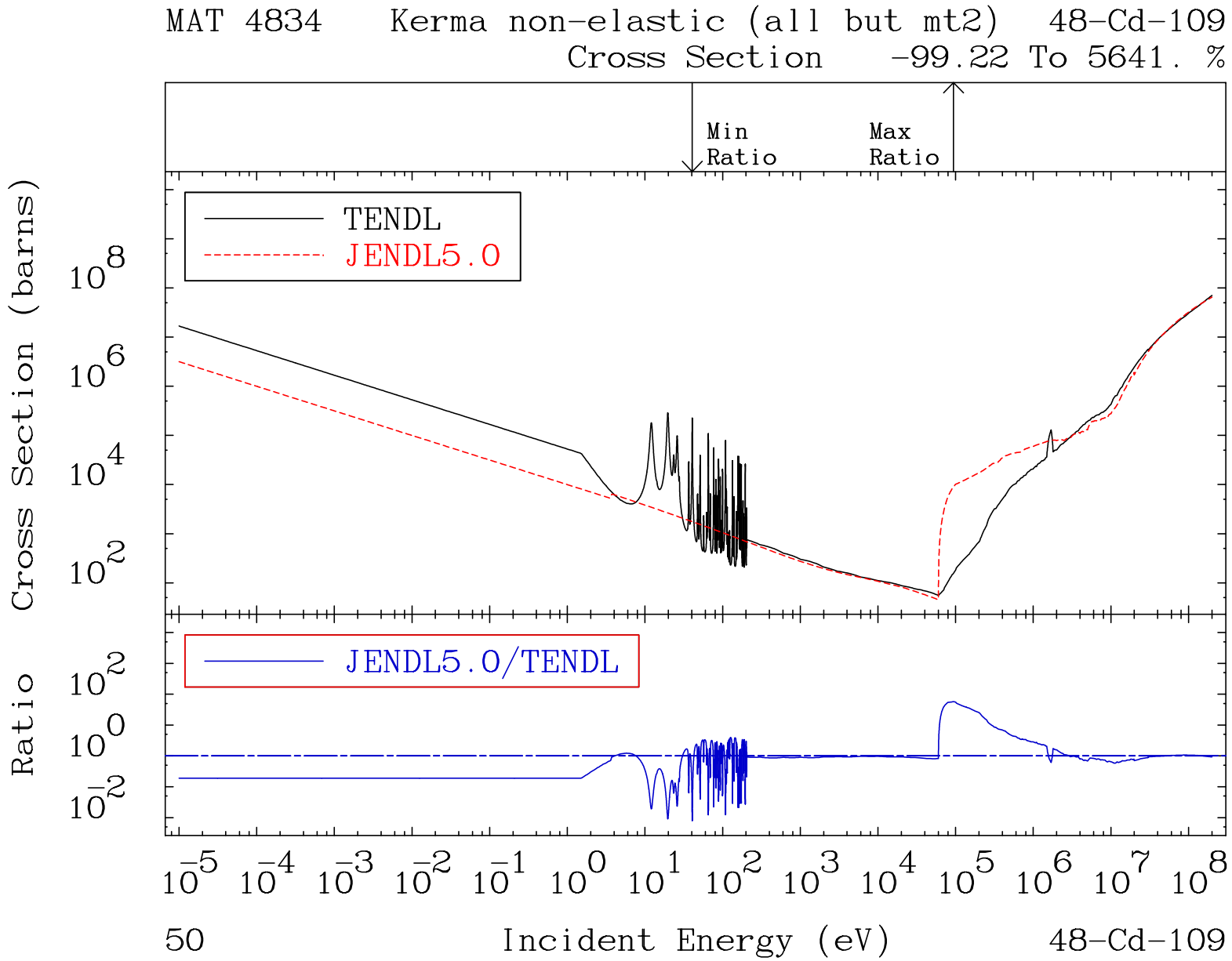

MAT 4834
Tritium Production
48-Cd-109
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 7.0407 MeV
JENDL5.0 Threshold 7.0407 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
45
Incident Energy (eV)
48-Cd-109

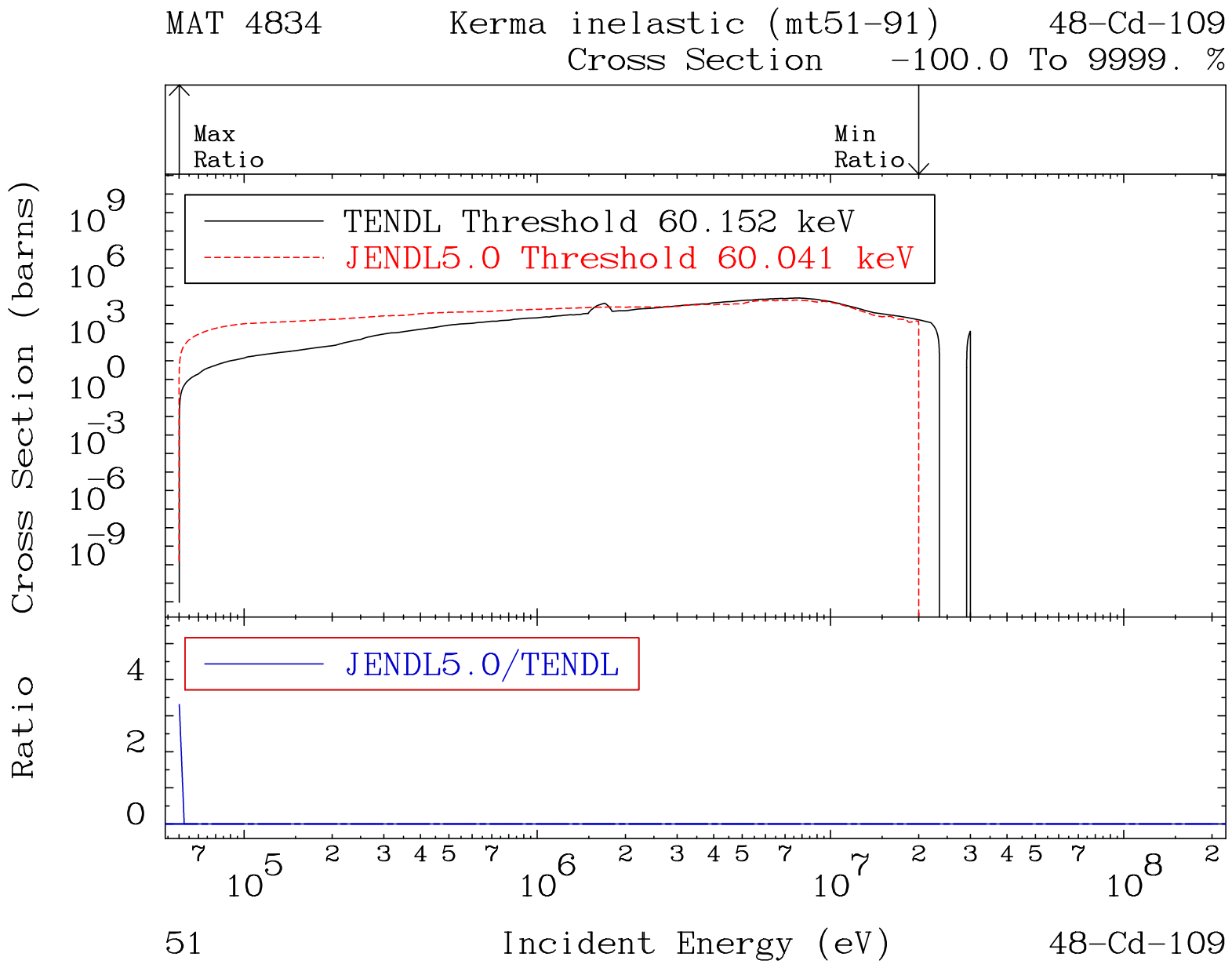

MAT 4834
He-3 Production
Cross Section
48-Cd-109
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 7.0563 MeV
JENDL5.0 Threshold 7.0563 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
300
200
100
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
46
Incident Energy (eV)
48-Cd-109

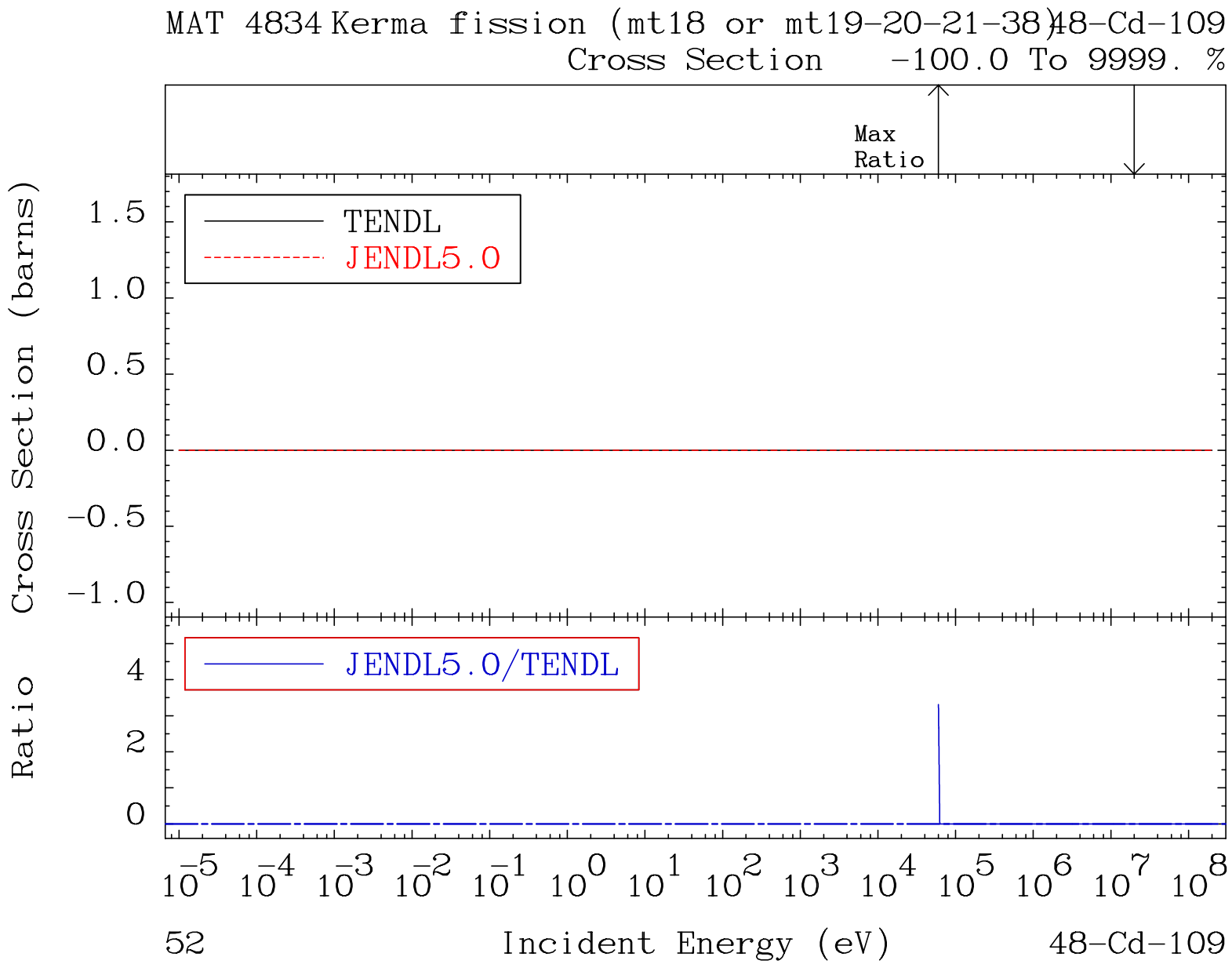

MAT 4834
He-4 Production
Cross Section
48-Cd-109
-90.02 To 26.25 %
Min
Ratio
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47
48-Cd-109

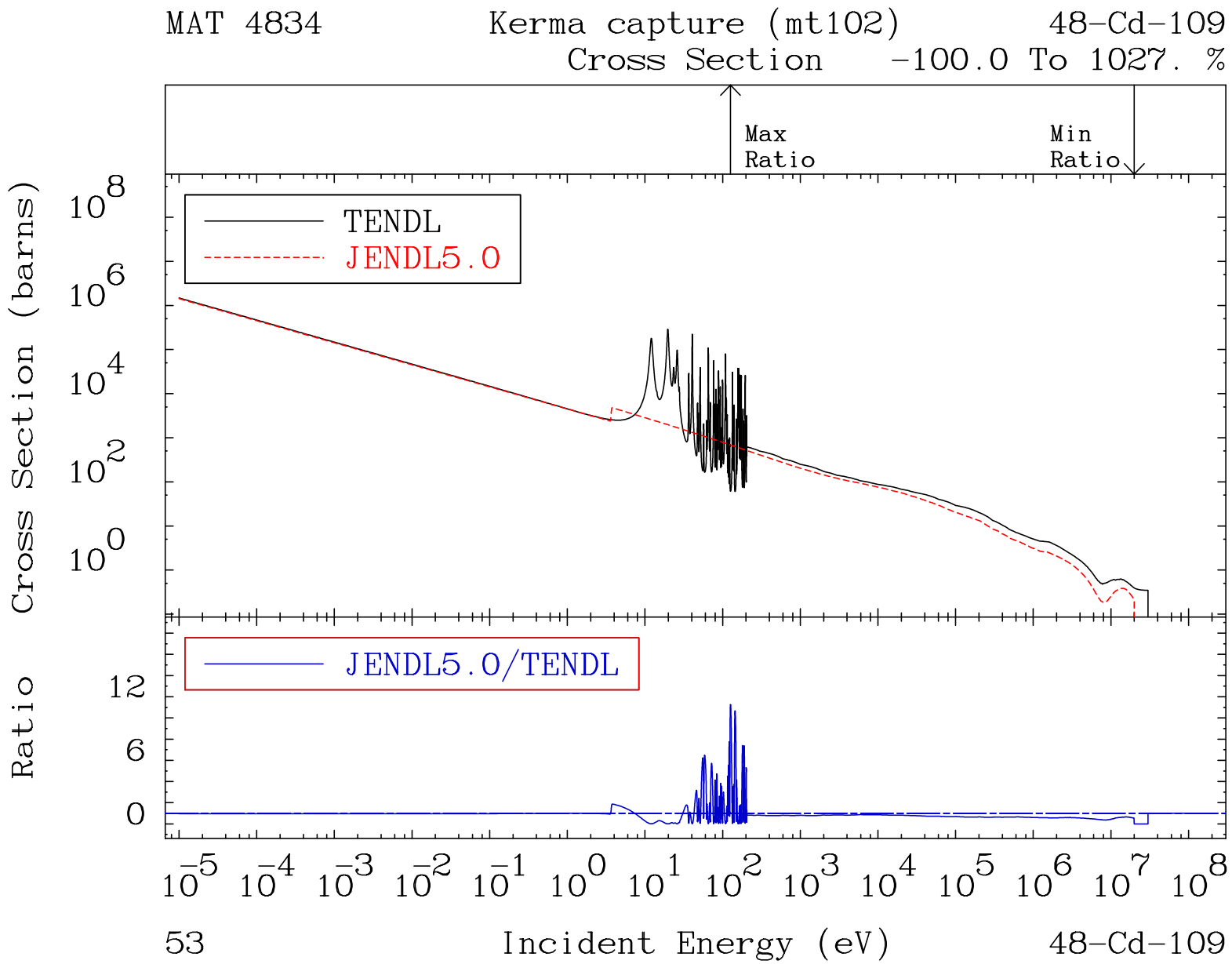

MAT 4834
Kerma total (eV-barns)
48-Cd-109
Cross Section -99.23 To 274.7 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48
48-Cd-109

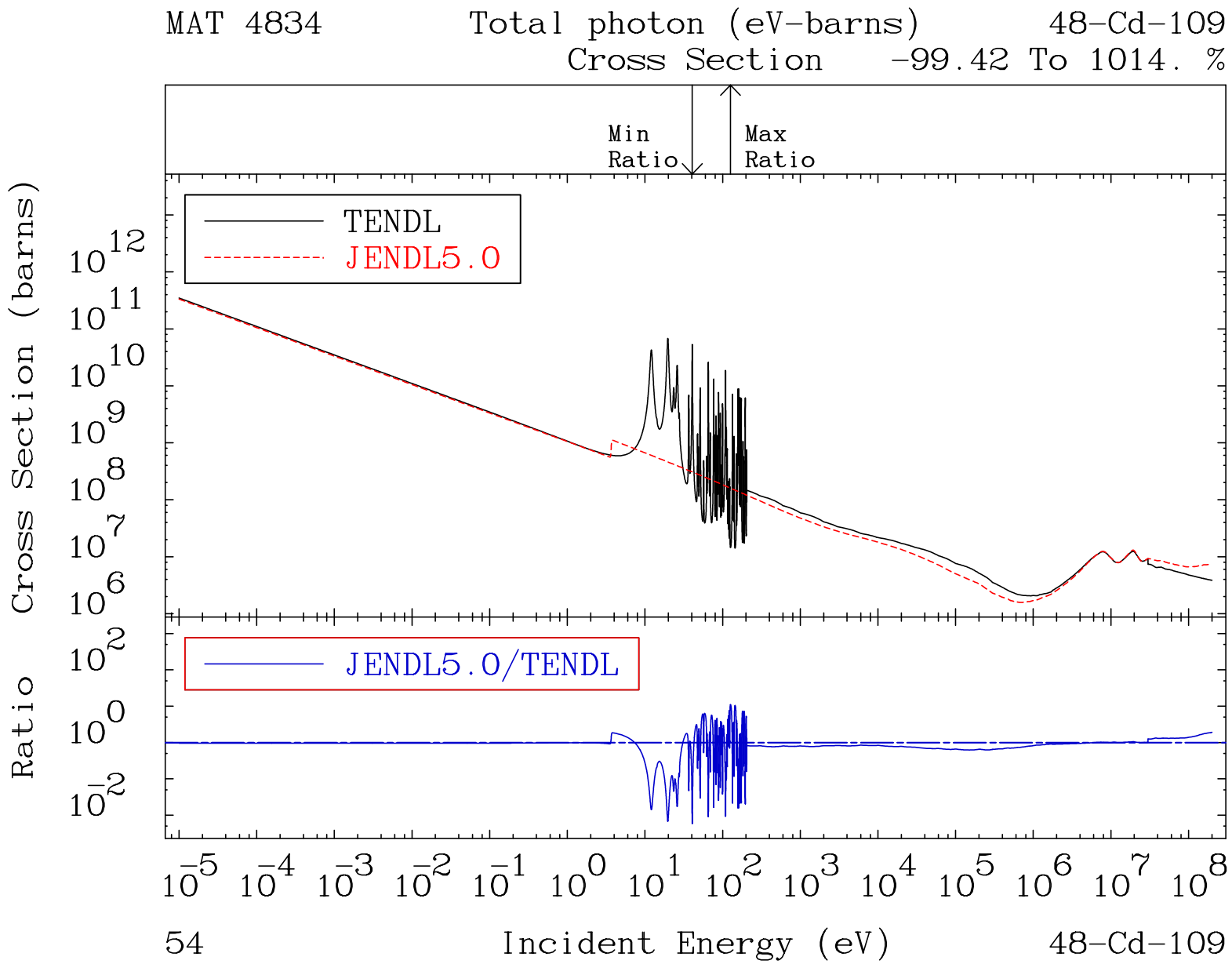

MAT 4834
Kerma elastic
Cross Section
48-Cd-109
-99.82 To 1139. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
49
48-Cd-109

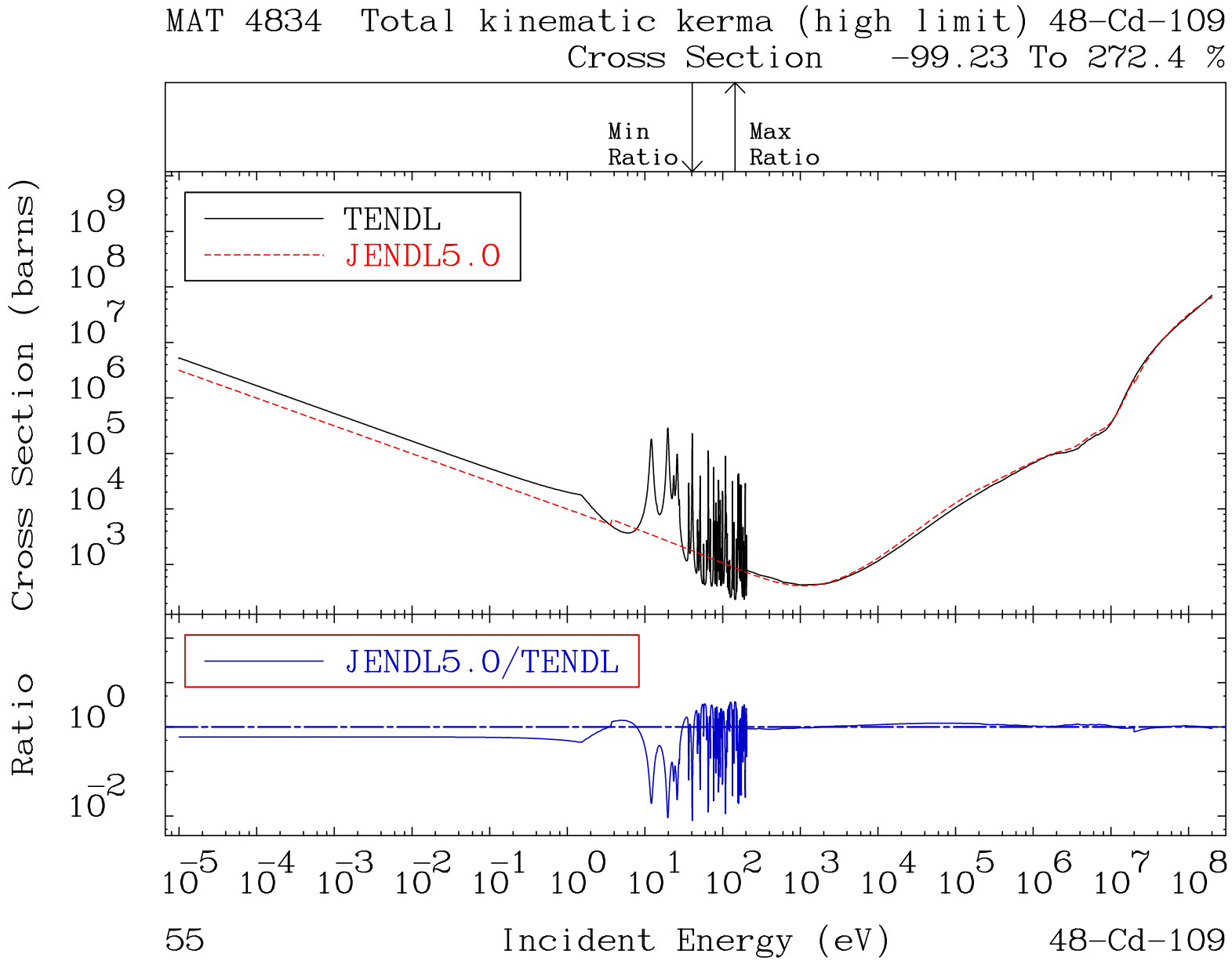

MAT 4834 Kerma non-elastic (all but mt2) 48-Cd-109
Cross Section -99.22 To 5641. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
50
48-Cd-109

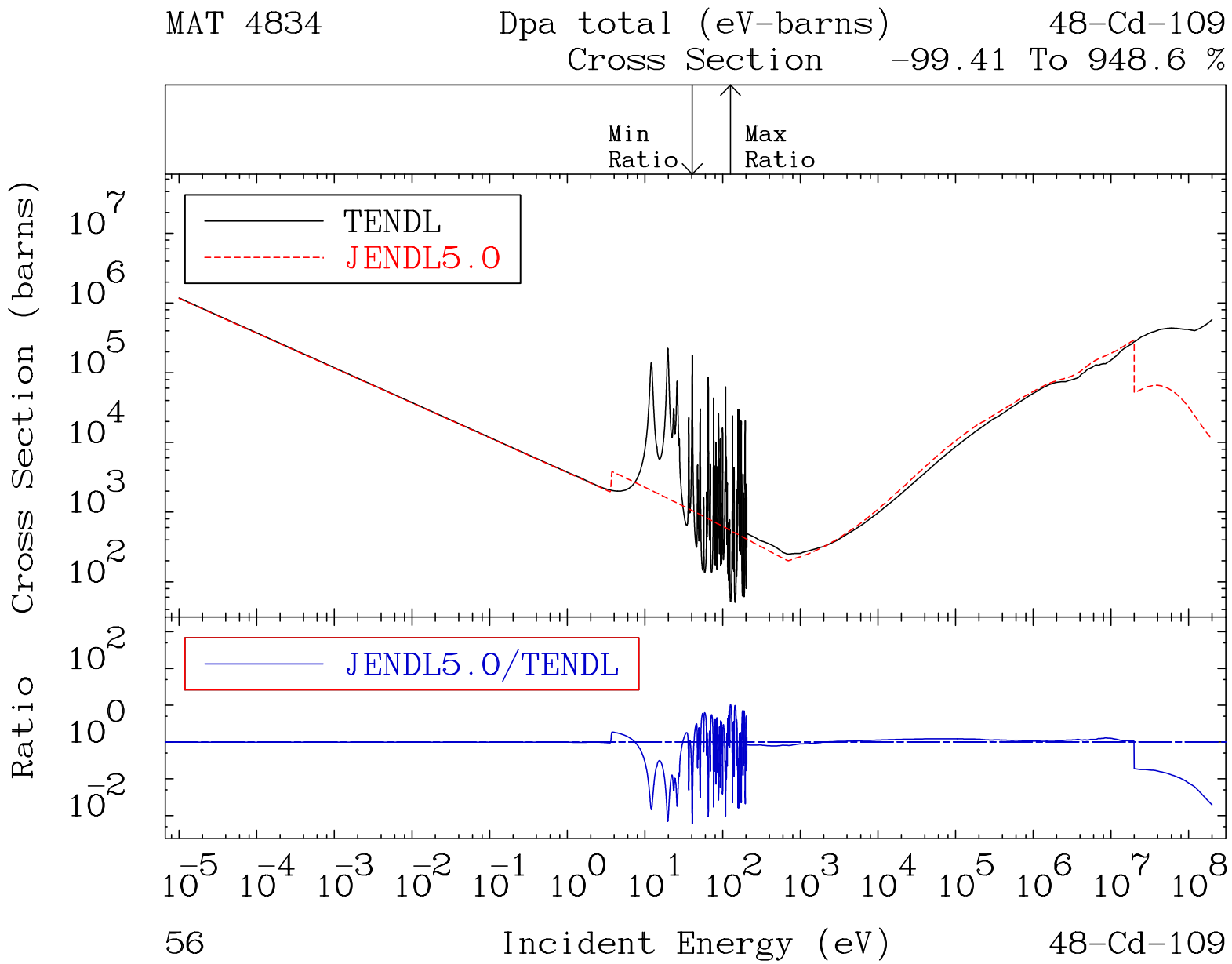

MAT 4834
Kerma inelastic (mt51-91)
48-Cd-109
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 60.152 keV
JENDL5.0 Threshold 60.041 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
48-Cd-109

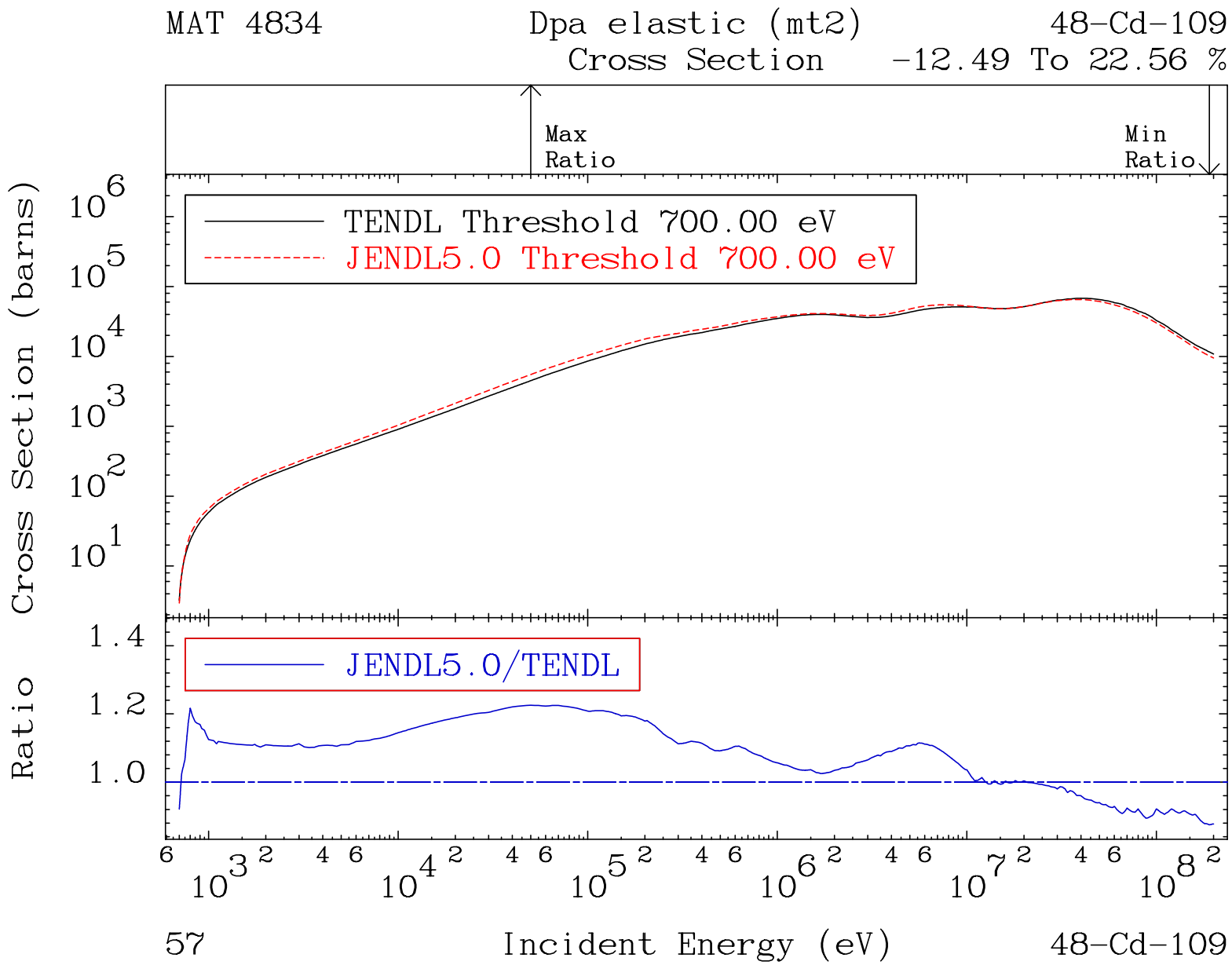

MAT 4834 Kerma fission (mt18 or mt19-20-21-38) 48-Cd-109
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
4
2
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
52
Incident Energy (eV)
48-Cd-109

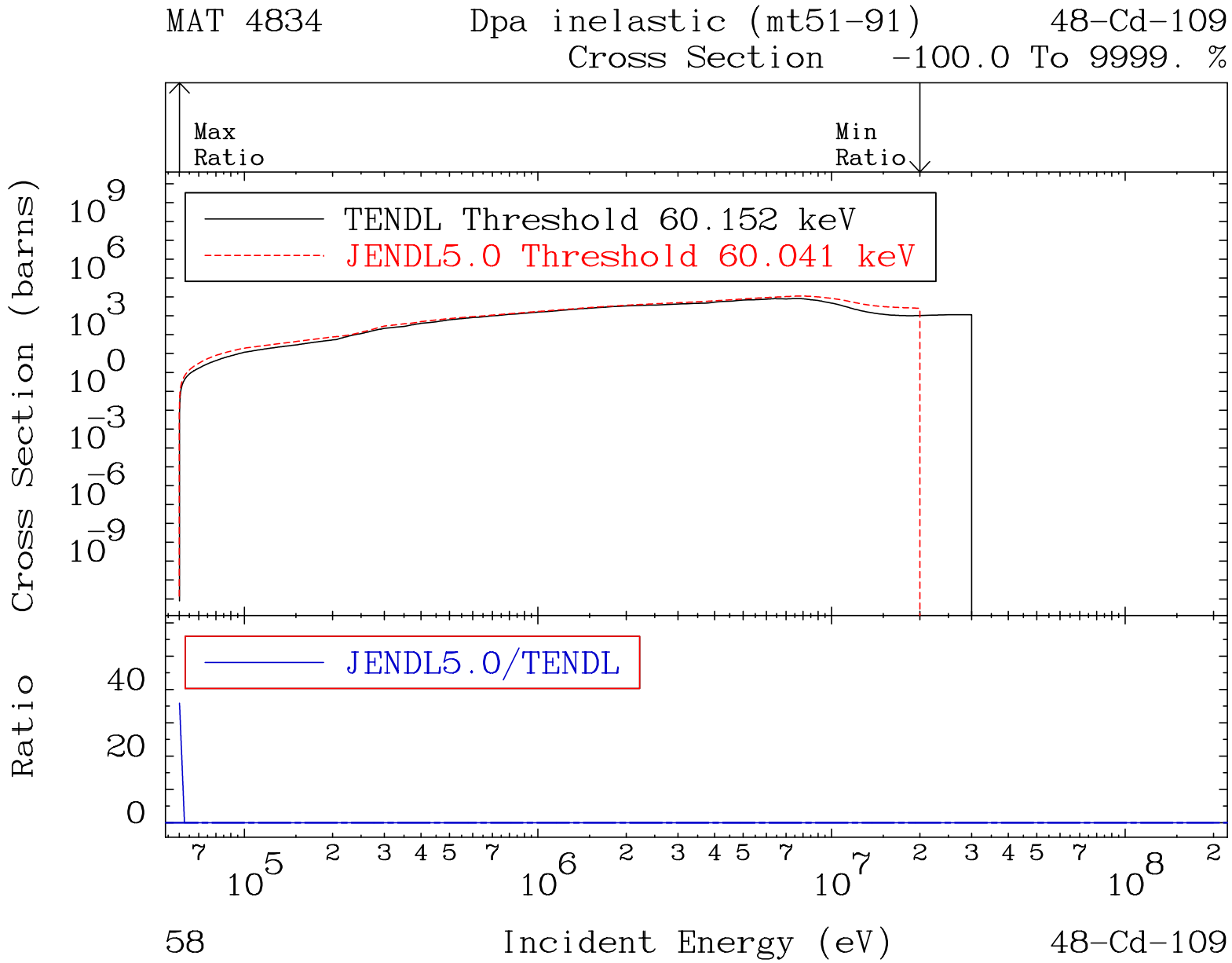

MAT 4834
Kerma capture (mt102)
48-Cd-109
Cross Section -100.0 To 1027. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
53
48-Cd-109

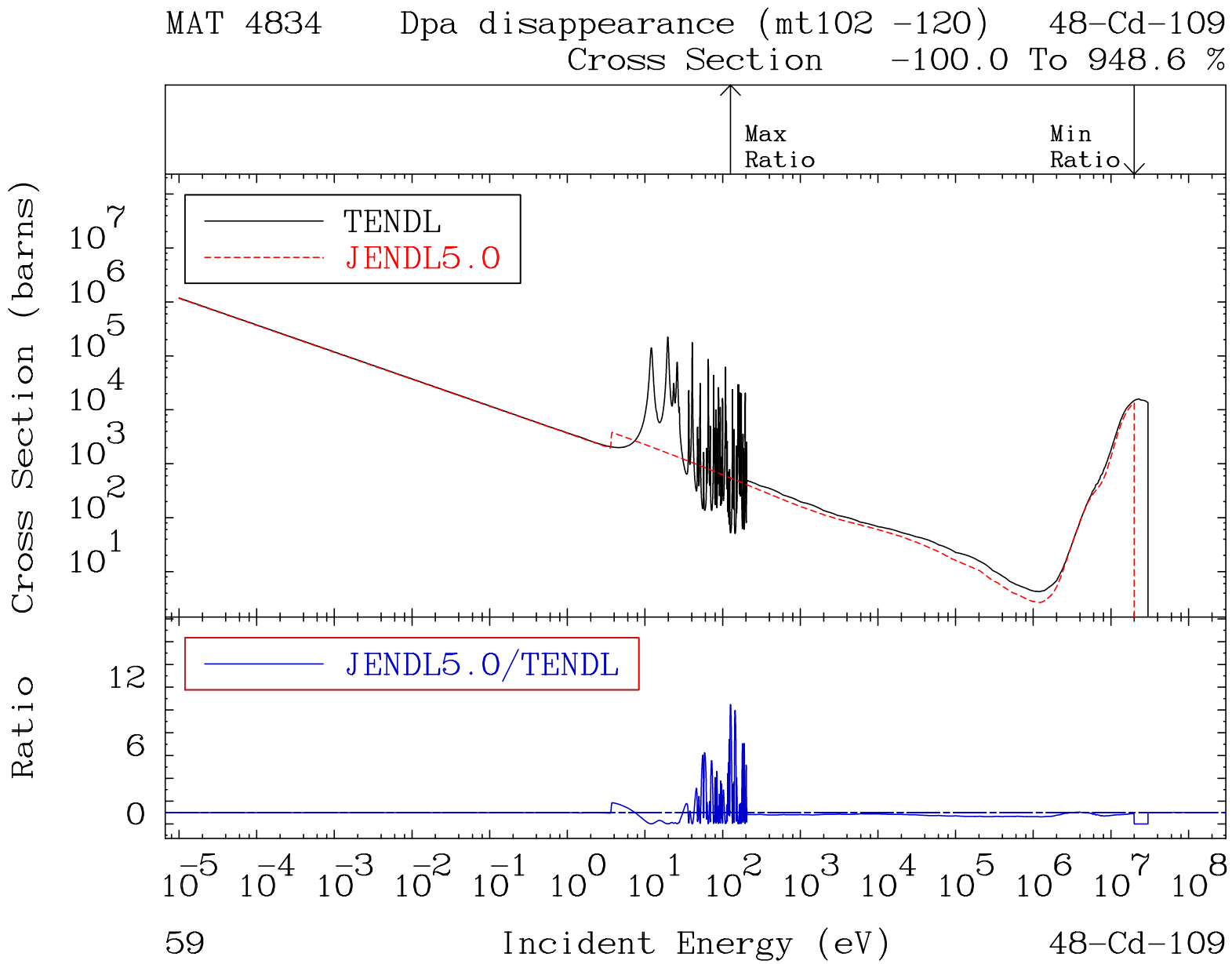

MAT 4834
Total photon (eV-barns)
48-Cd-109
Cross Section -99.42 To 1014. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
48-Cd-109

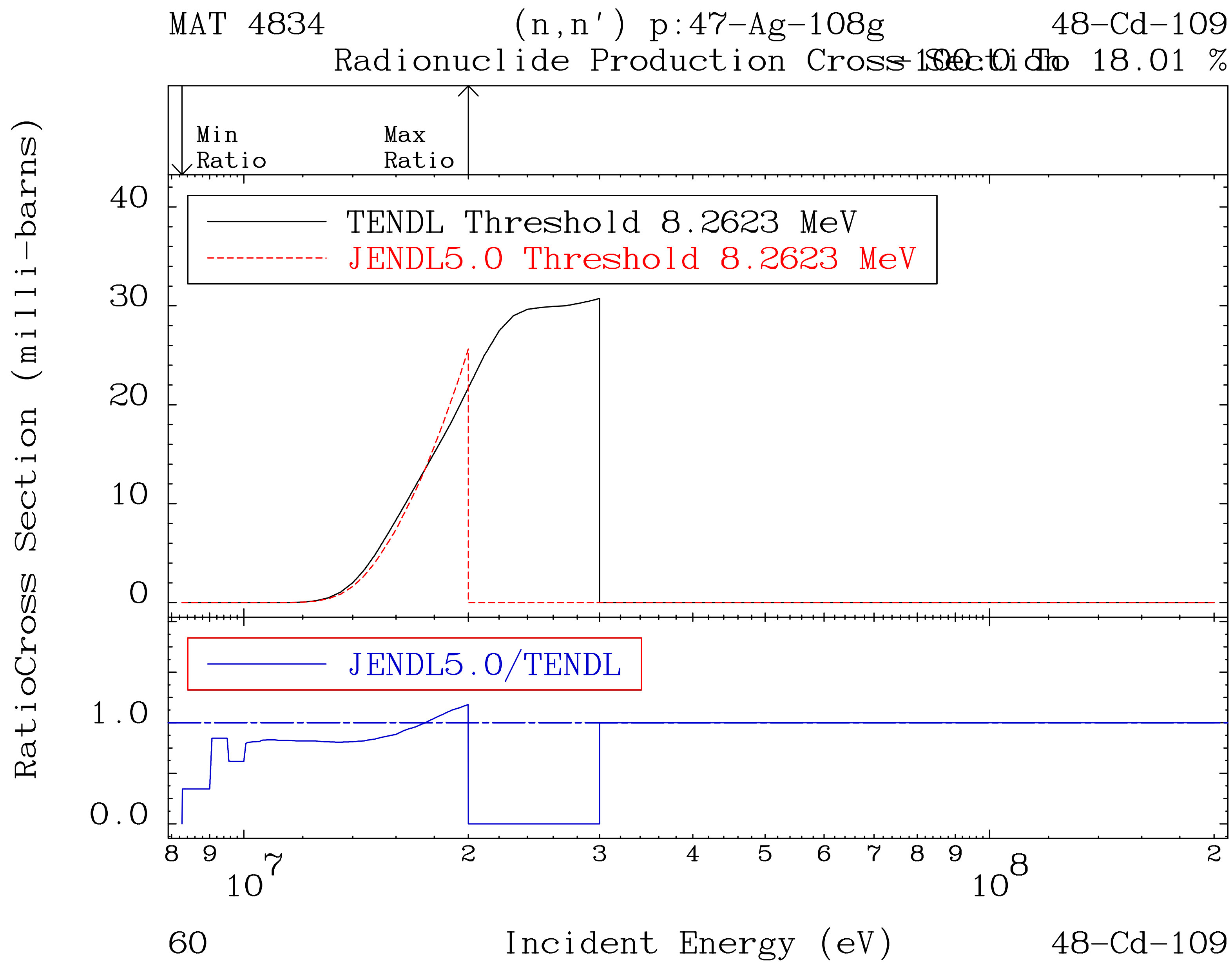

MAT 4834 Total kinematic kerma (high limit) 48-Cd-109
Cross Section -99.23 To 272.4 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
48-Cd-109


MAT 4834
Dpa total (eV-barns)
48-Cd-109
Cross Section -99.41 To 948.6 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
56
48-Cd-109

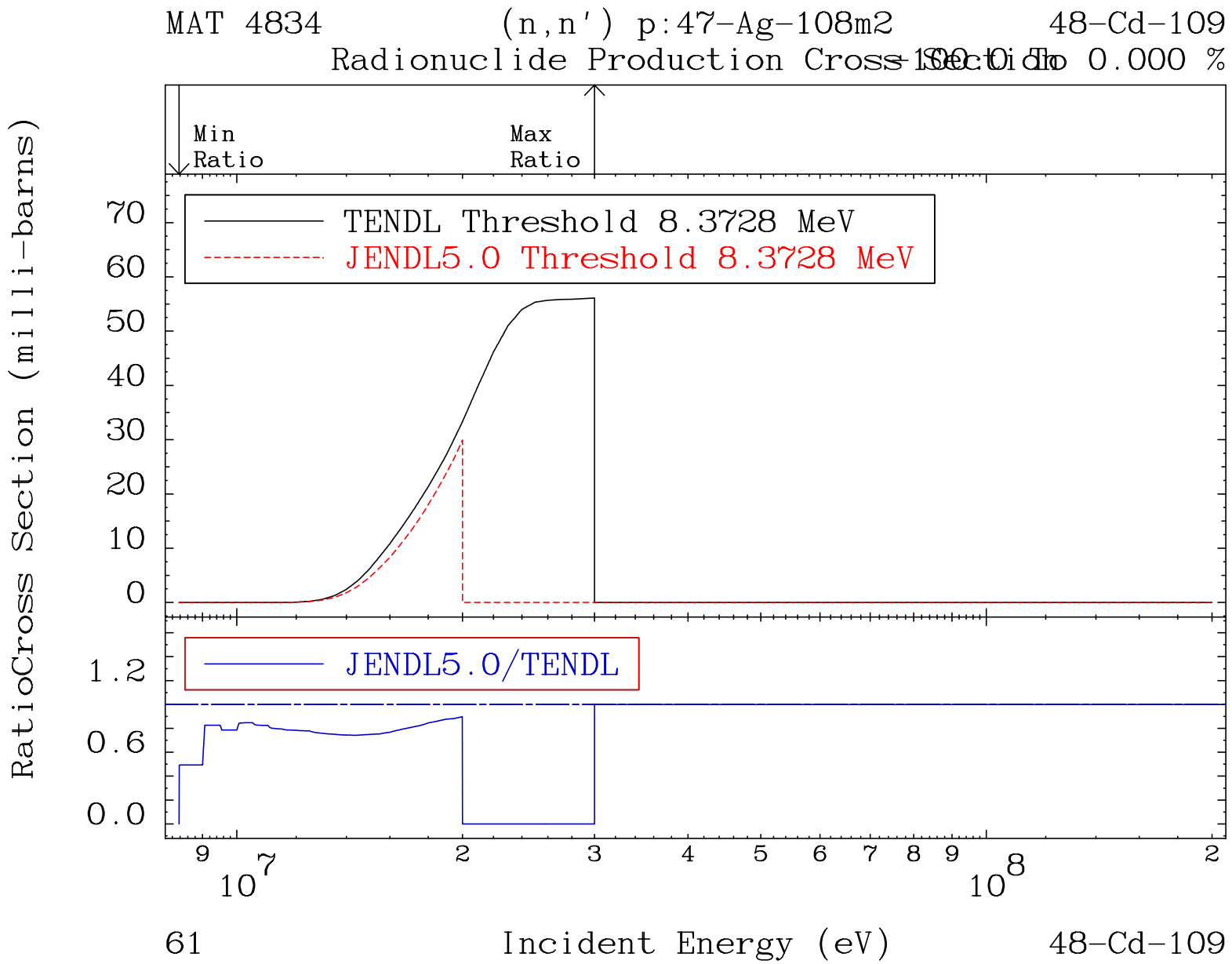

MAT 4834
Dpa elastic (mt2)
Cross Section
48-Cd-109
-12.49 To 22.56 %
Max
Ratio
Min
Ratio
TENDL Threshold 700.00 eV
JENDL5.0 Threshold 700.00 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
48-Cd-109

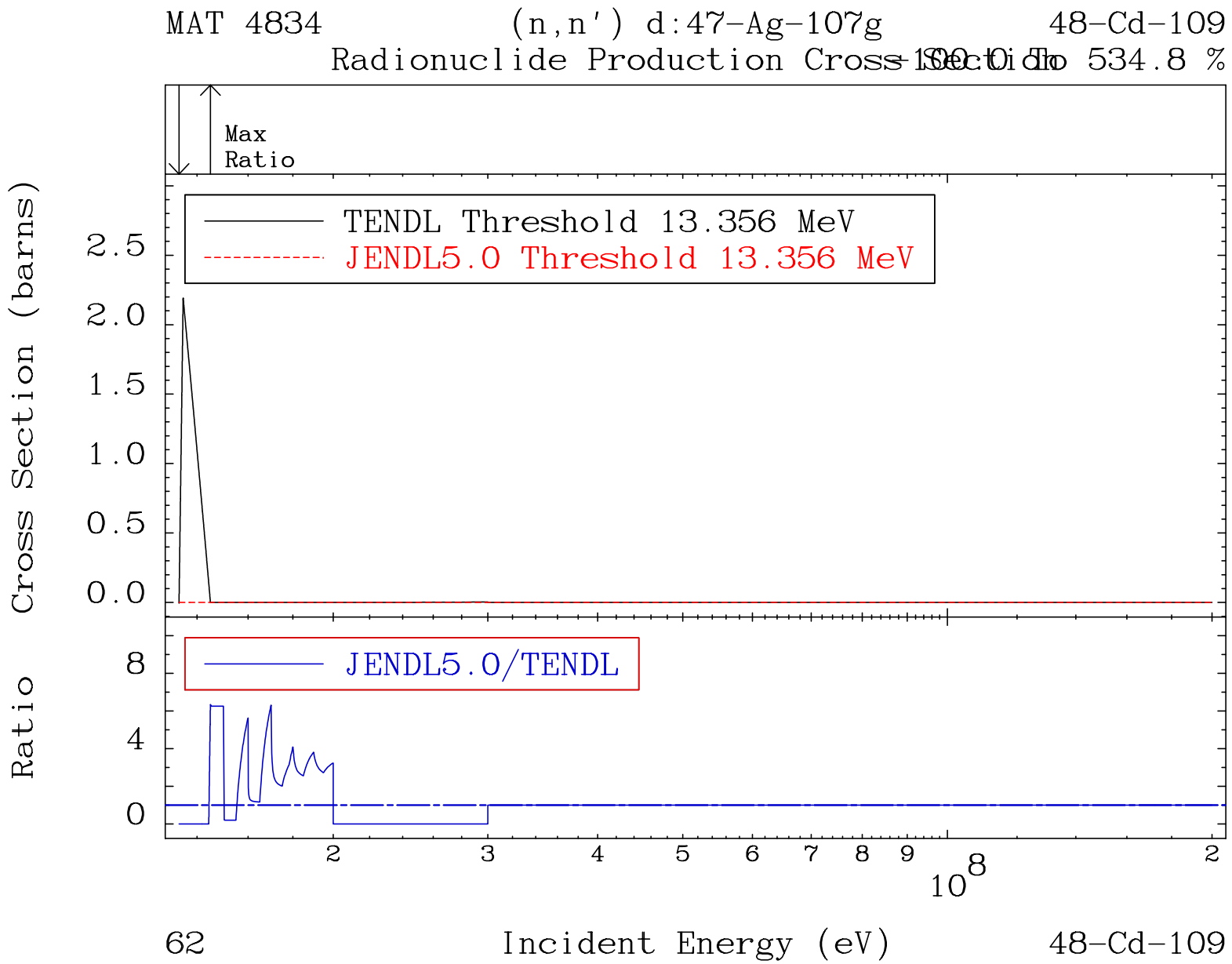

MAT 4834
Dpa inelastic (mt51-91)
48-Cd-109
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 60.152 keV
JENDL5.0 Threshold 60.041 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
48-Cd-109

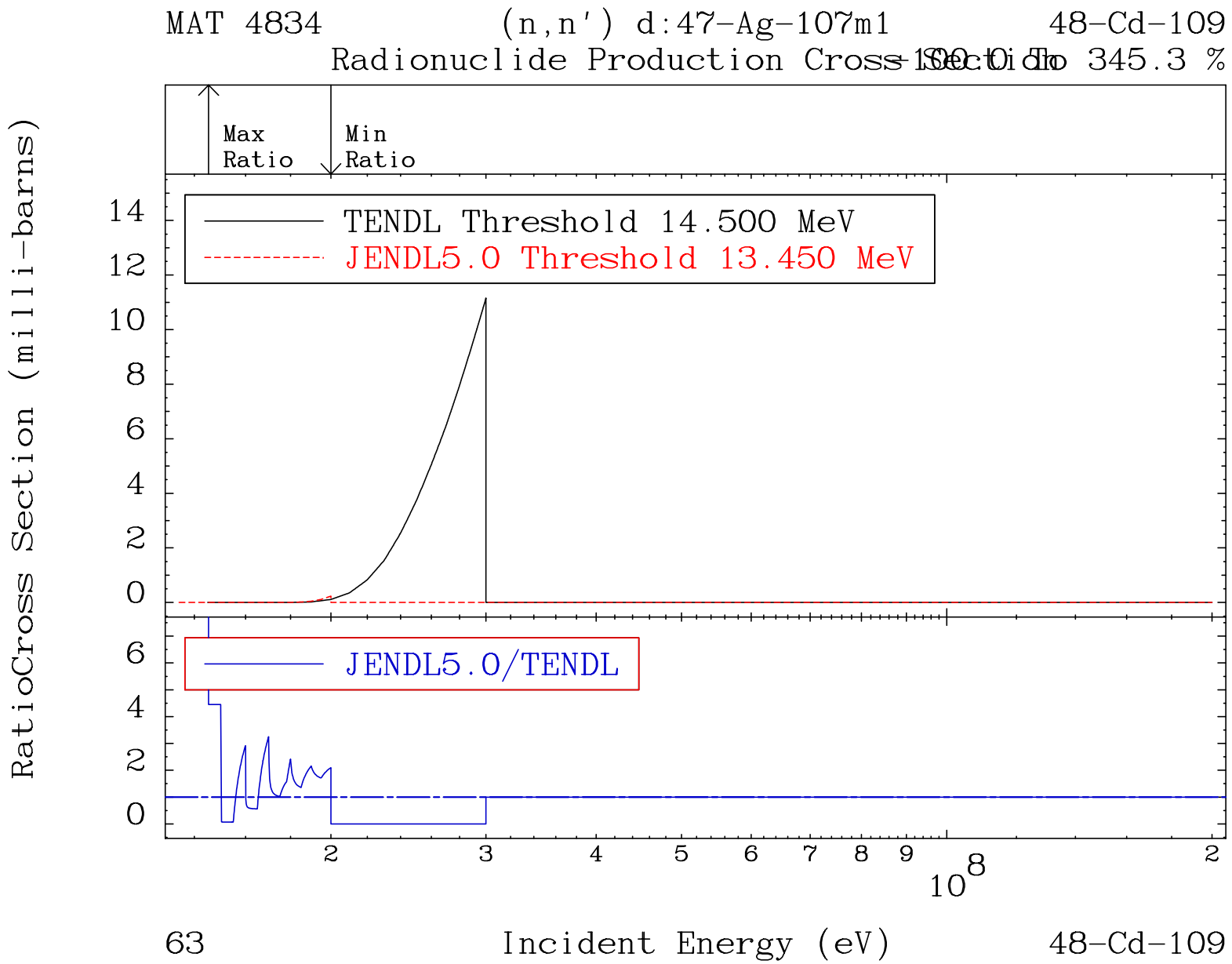

MAT 4834 Dpa disappearance (mt102 -120) 48-Cd-109
Cross Section -100.0 To 948.6 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
59
48-Cd-109

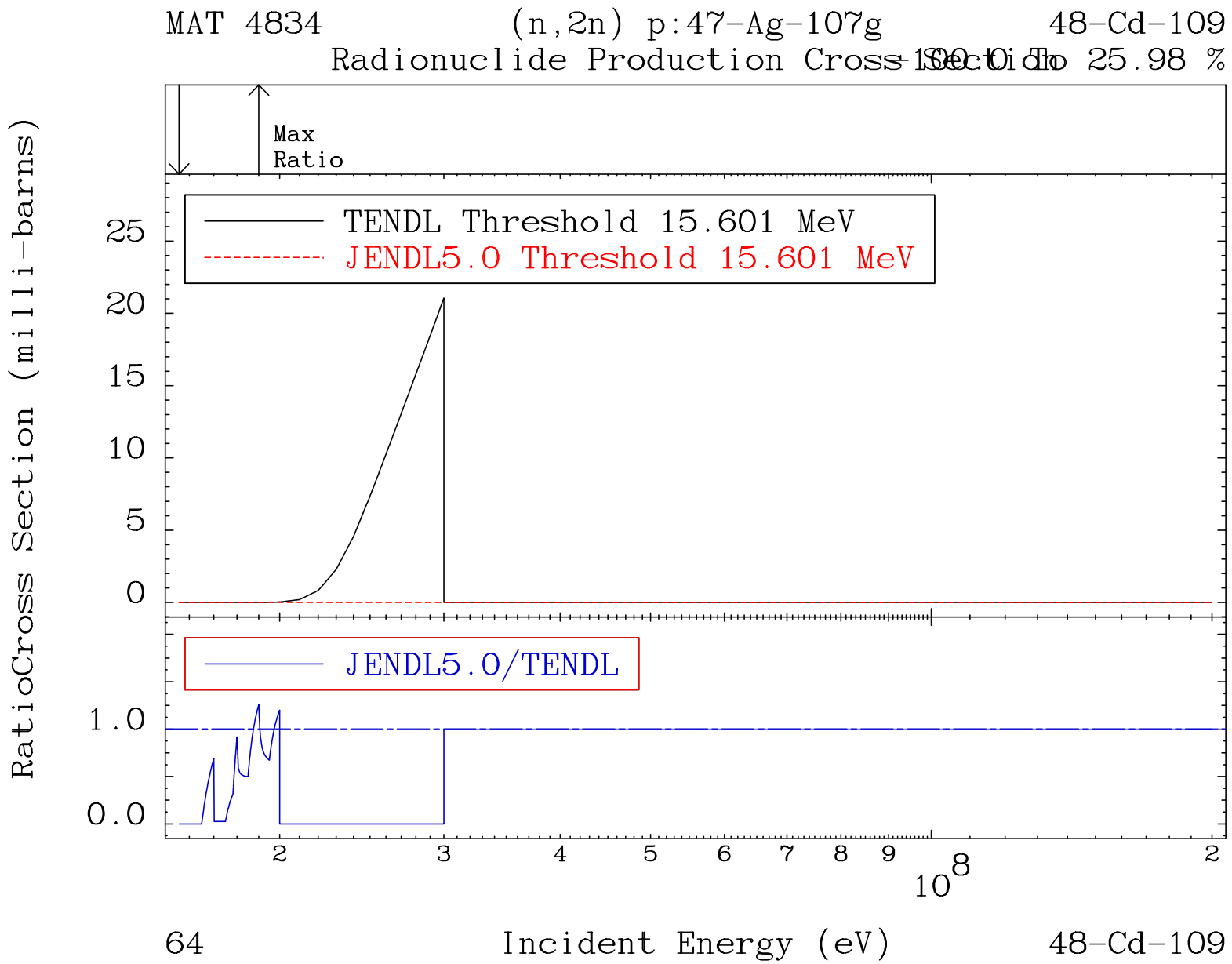


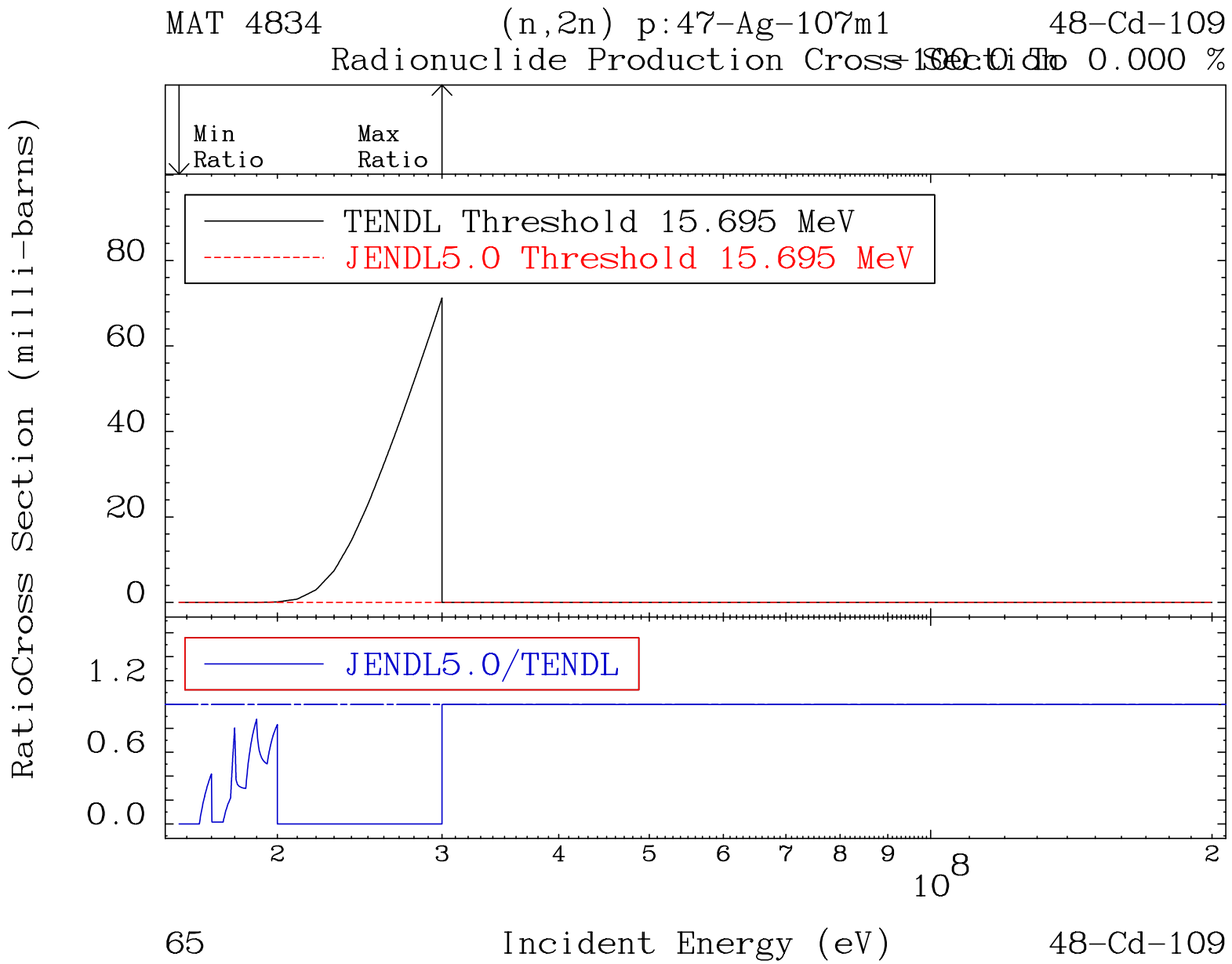
MAT 4834
(n,n') p:47-Ag-108g
48-Cd-109
Radionuclide Production Cross Section
-100.0 To 18.01 %
Min Ratio
Max Ratio
TENDL Threshold 8.2623 MeV
JENDL5.0 Threshold 8.2623 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.0
0.0
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
60
Incident Energy (eV)
48-Cd-109

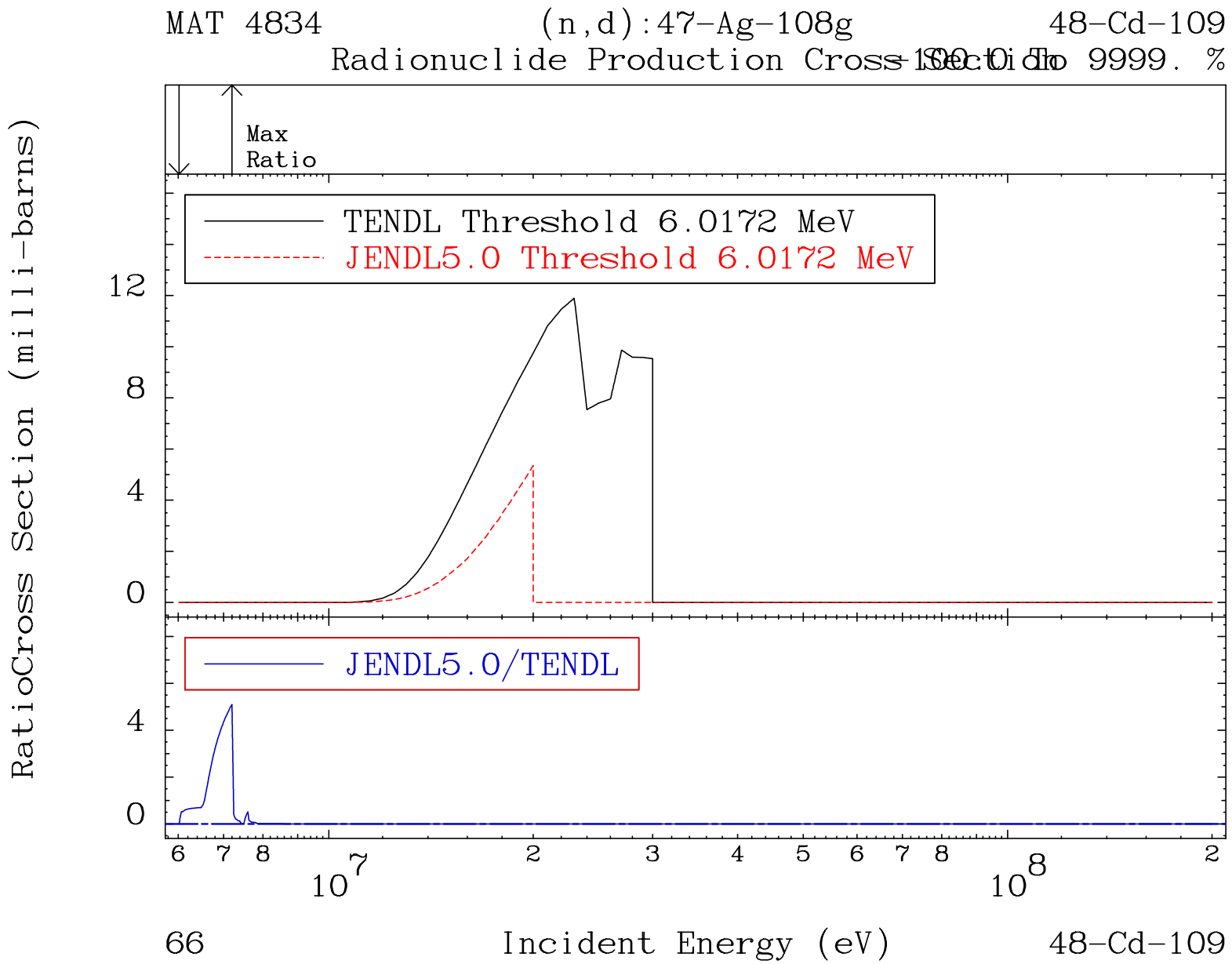

MAT 4834
(n,n') p:47-Ag-108m2
48-Cd-109
Radionuclide Production Cross Section
Uncertainty 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 8.3728 MeV
JENDL5.0 Threshold 8.3728 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
1.2
0.6
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
61
Incident Energy (eV)
48-Cd-109

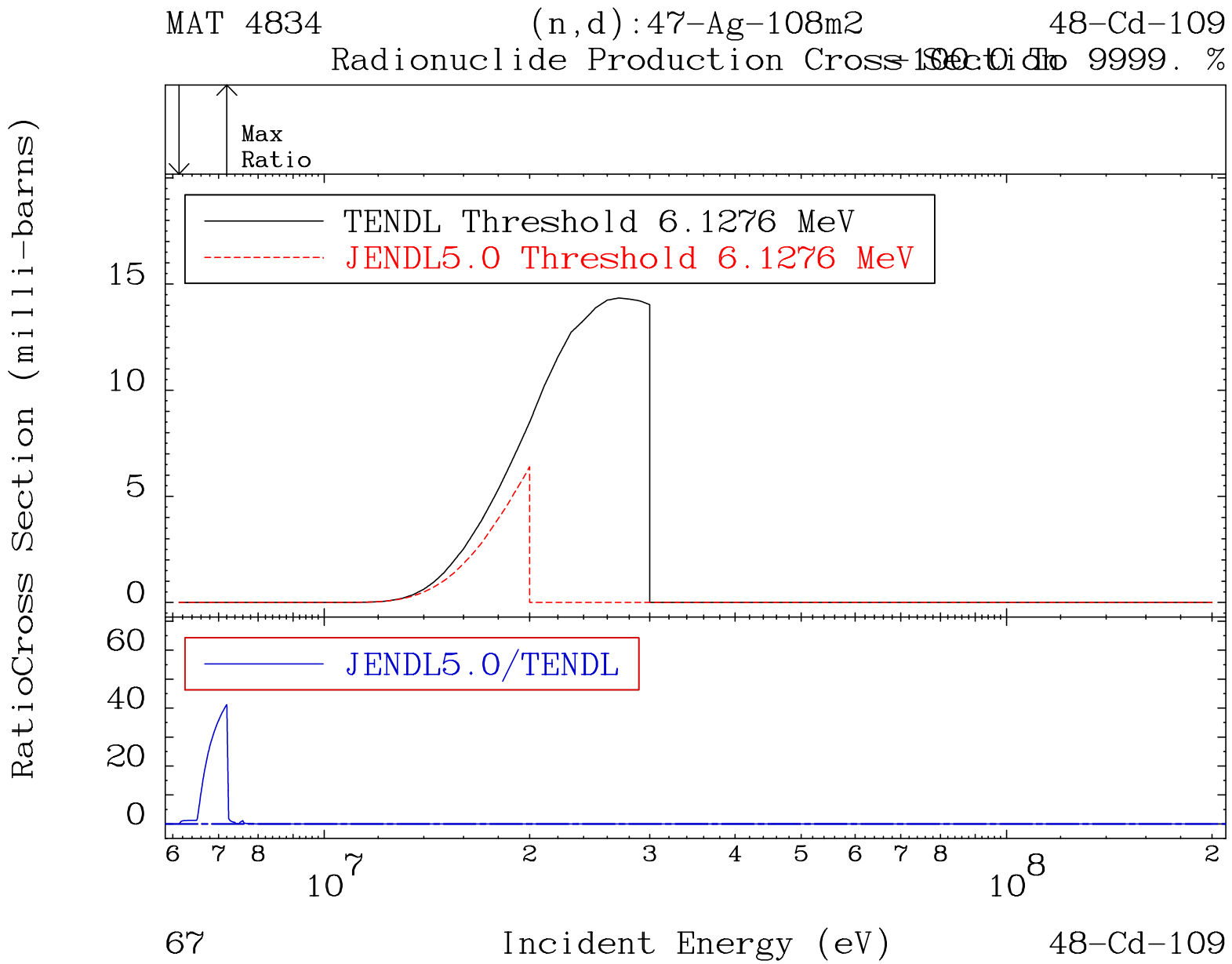

MAT 4834
(n,n') d:47-Ag-107g
48-Cd-109
Radionuclide Production Cross Section To 534.8 %
Max
Ratio
TENDL Threshold 13.356 MeV
JENDL5.0 Threshold 13.356 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
8
4
0
2
3
4
5
6
7
8
9
10^8
2
62
Incident Energy (eV)
48-Cd-109

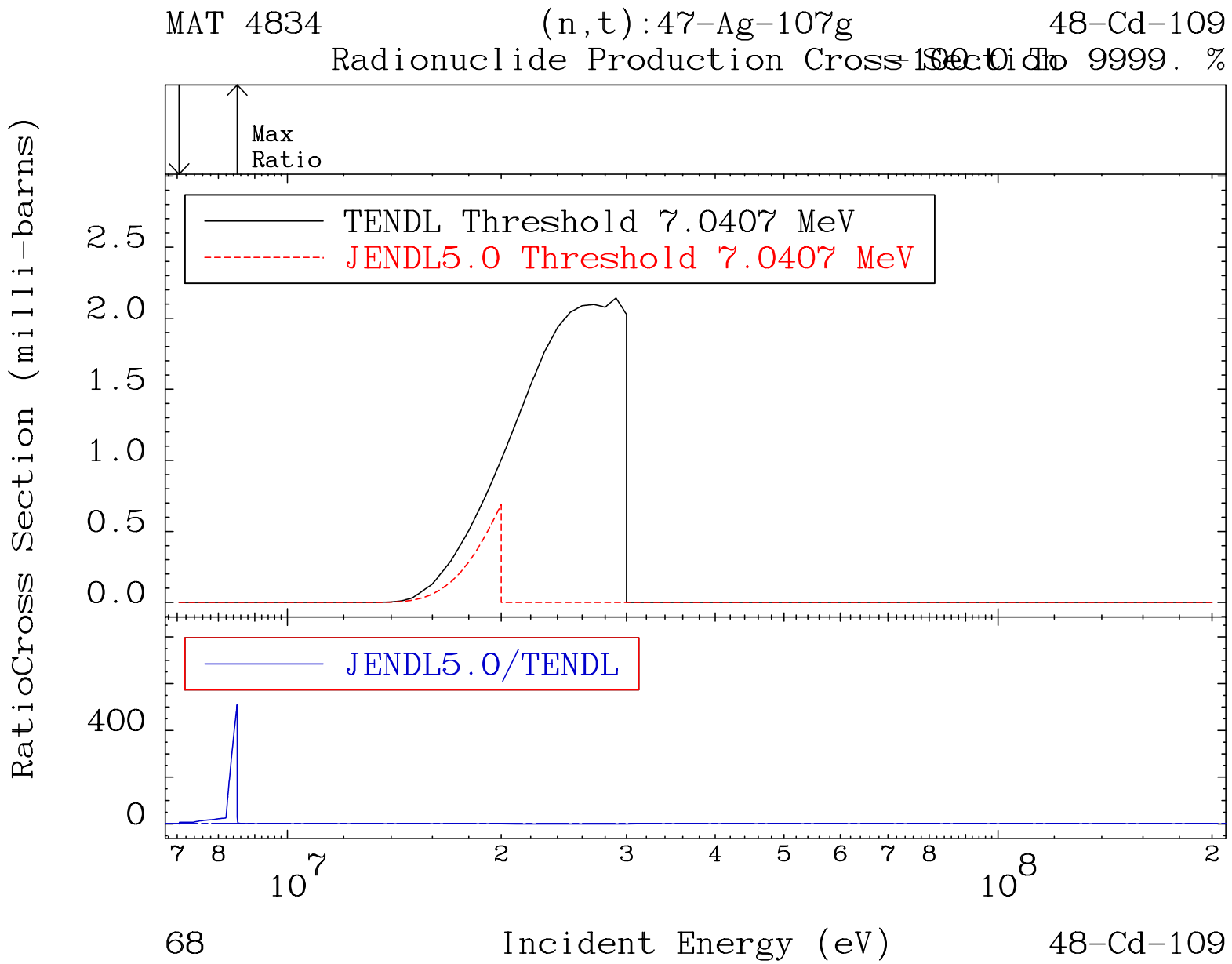

MAT 4834
(n,n') d:47-Ag-107m1
48-Cd-109
Radionuclide Production Cross Section To 345.3 %
Max Ratio
Min Ratio
TENDL Threshold 14.500 MeV
JENDL5.0 Threshold 13.450 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
63
48-Cd-109

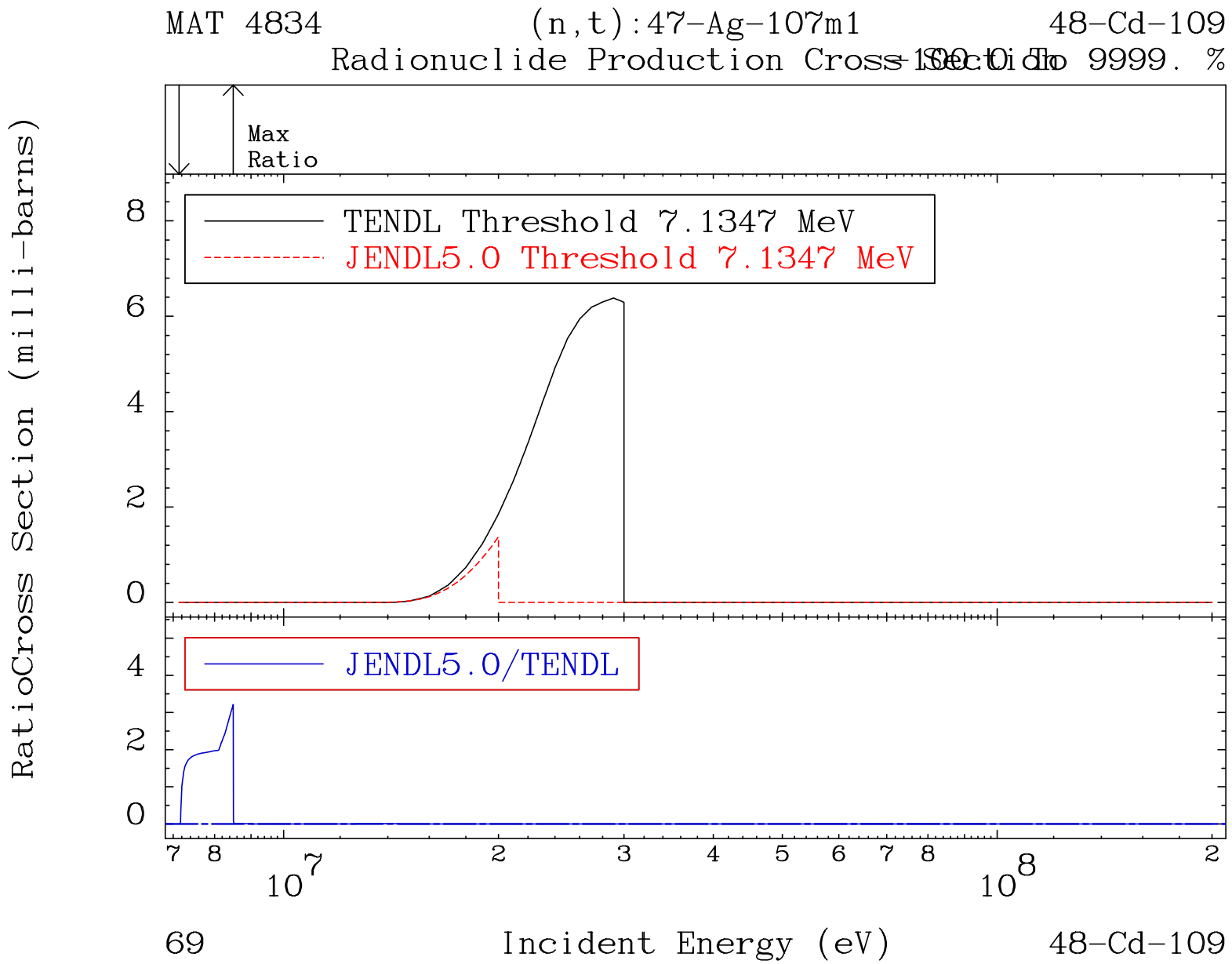

MAT 4834
(n,2n) p:47-Ag-107g
48-Cd-109
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 15.601 MeV
JENDL5.0 Threshold 15.601 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
64
Incident Energy (eV)
48-Cd-109

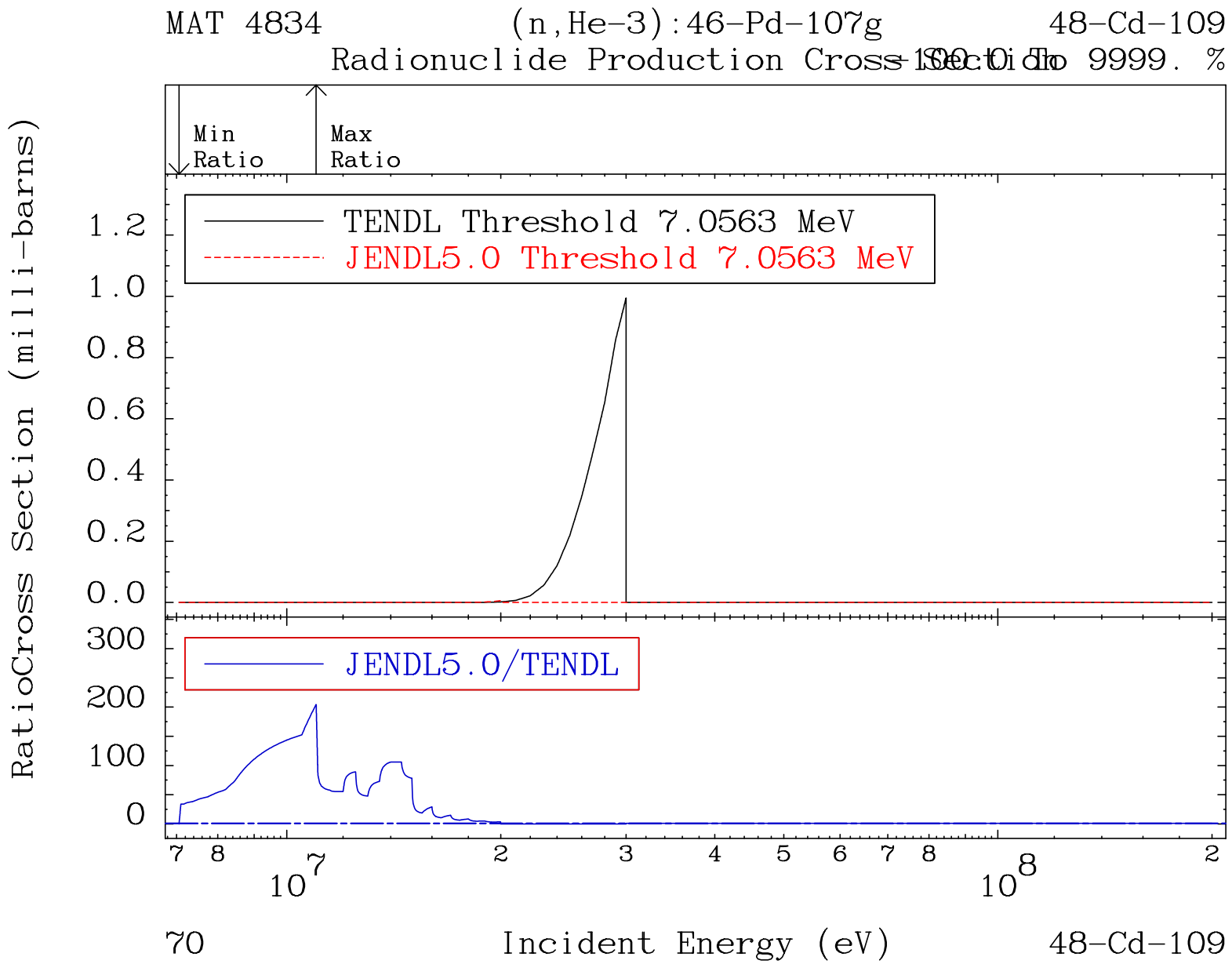

MAT 4834
(n,2n) p:47-Ag-107m1
48-Cd-109
Radionuclide Production Cross Section
Uncertainty 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 15.695 MeV
JENDL5.0 Threshold 15.695 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
65
Incident Energy (eV)
48-Cd-109

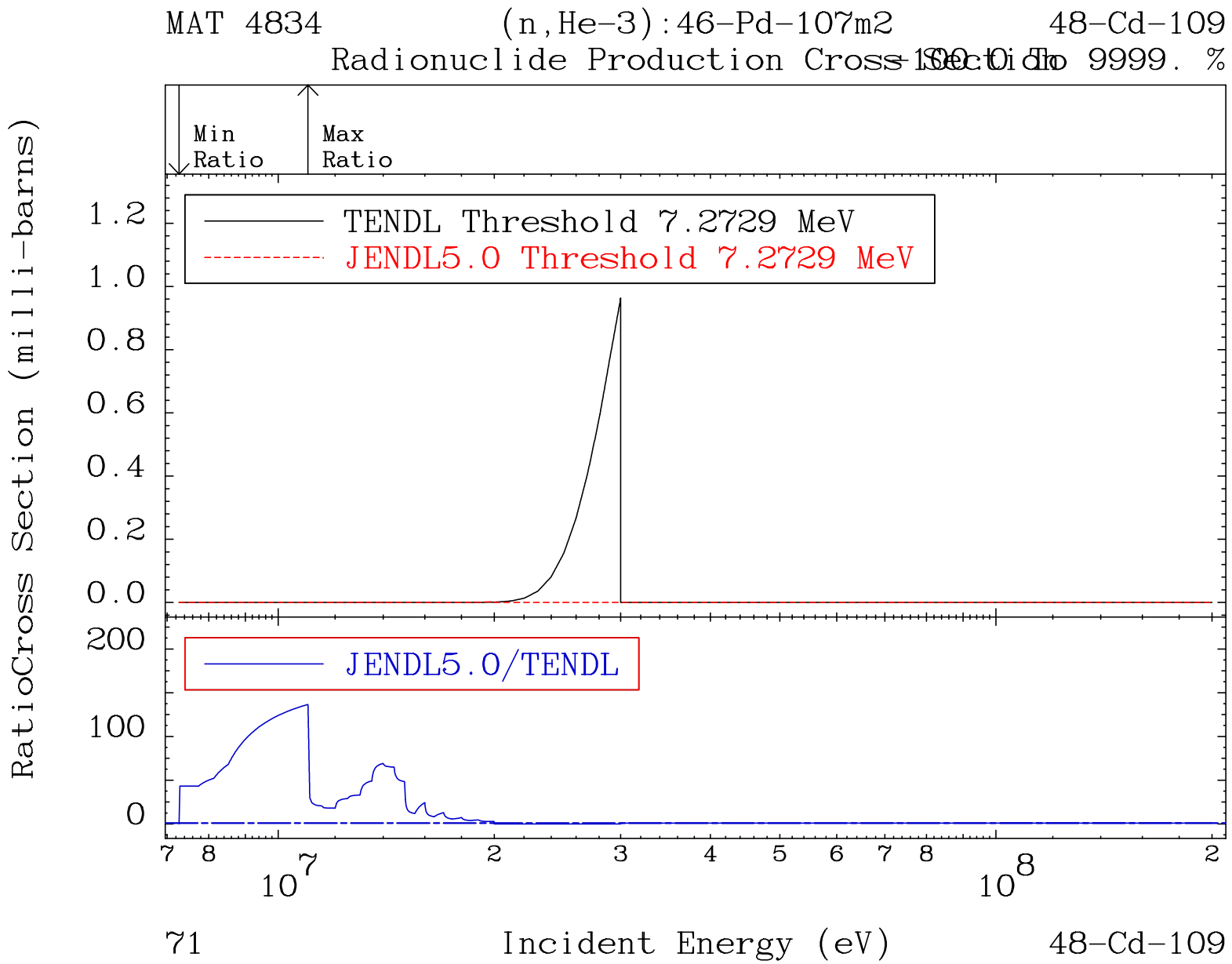

MAT 4834
(n,d):47-Ag-108g
48-Cd-109
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 6.0172 MeV
JENDL5.0 Threshold 6.0172 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
12
8
4
0
4
0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
66
Incident Energy (eV)
48-Cd-109

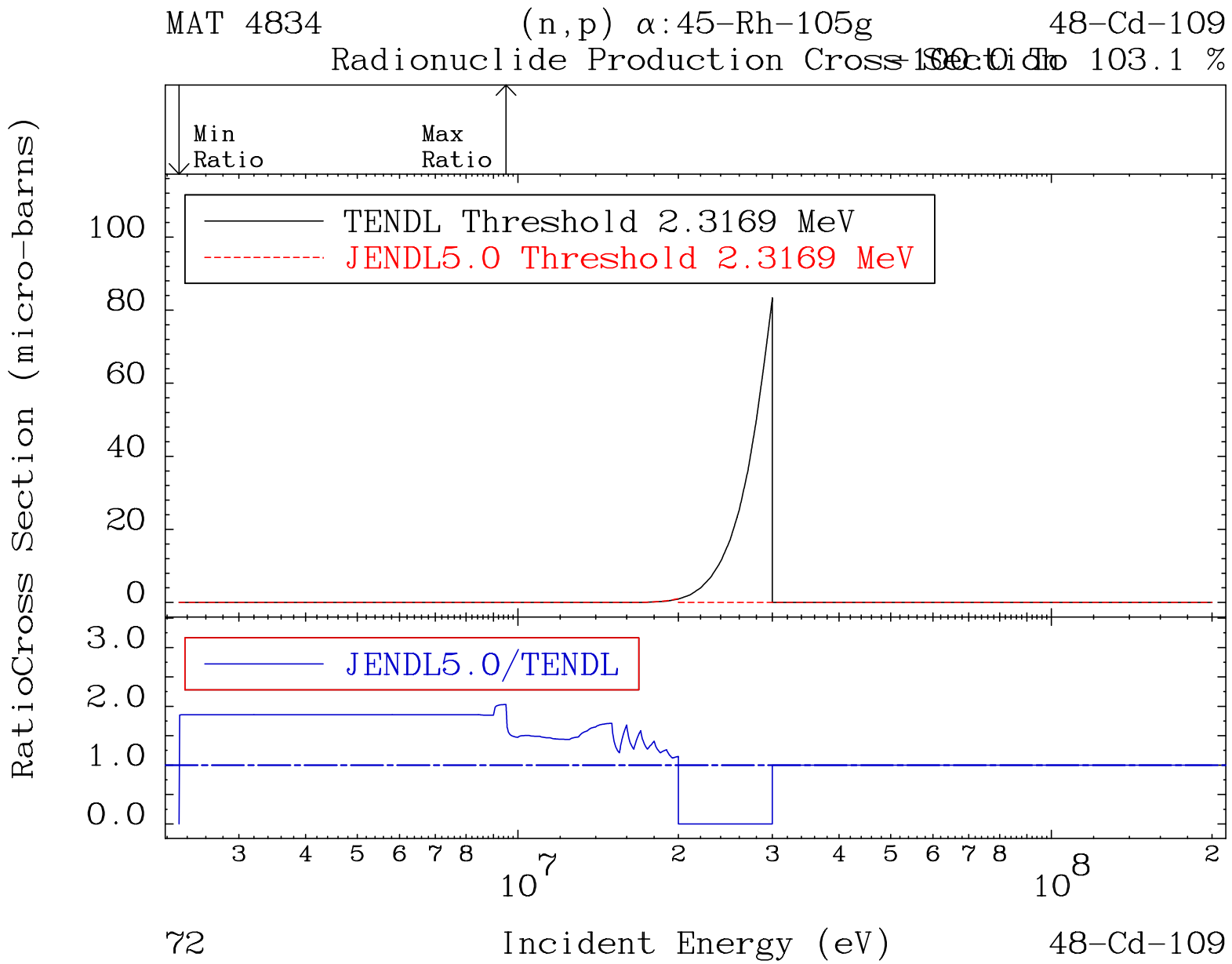

MAT 4834
(n,d):47-Ag-108m2
48-Cd-109
Radionuclide Production Cross Section
1.00 To 9999. %
Max
Ratio
TENDL Threshold 6.1276 MeV
JENDL5.0 Threshold 6.1276 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
15
10
5
0
60
40
20
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
67
Incident Energy (eV)
48-Cd-109

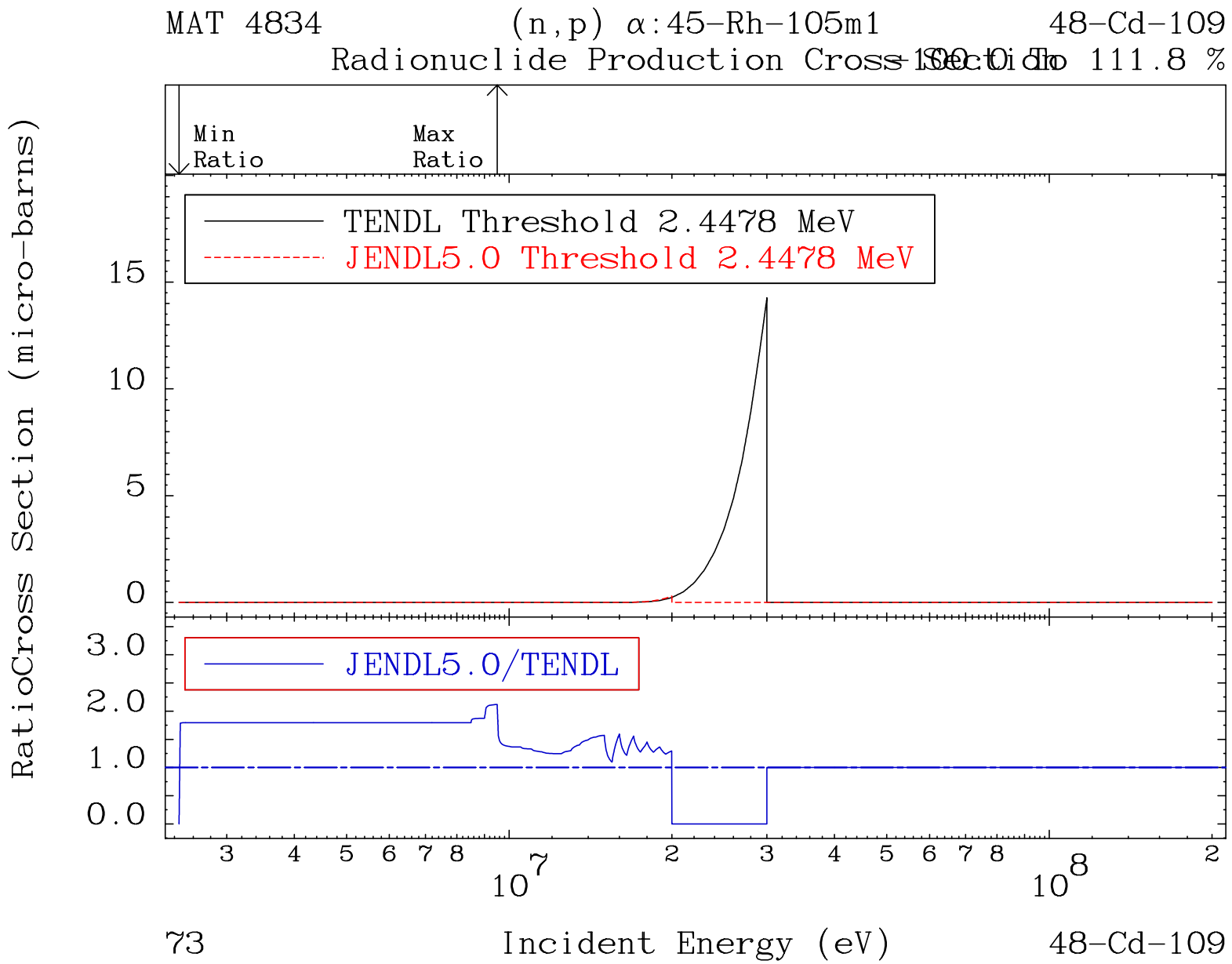

MAT 4834
(n,t):47-Ag-107g
48-Cd-109
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 7.0407 MeV
JENDL5.0 Threshold 7.0407 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
400
0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
68
Incident Energy (eV)
48-Cd-109

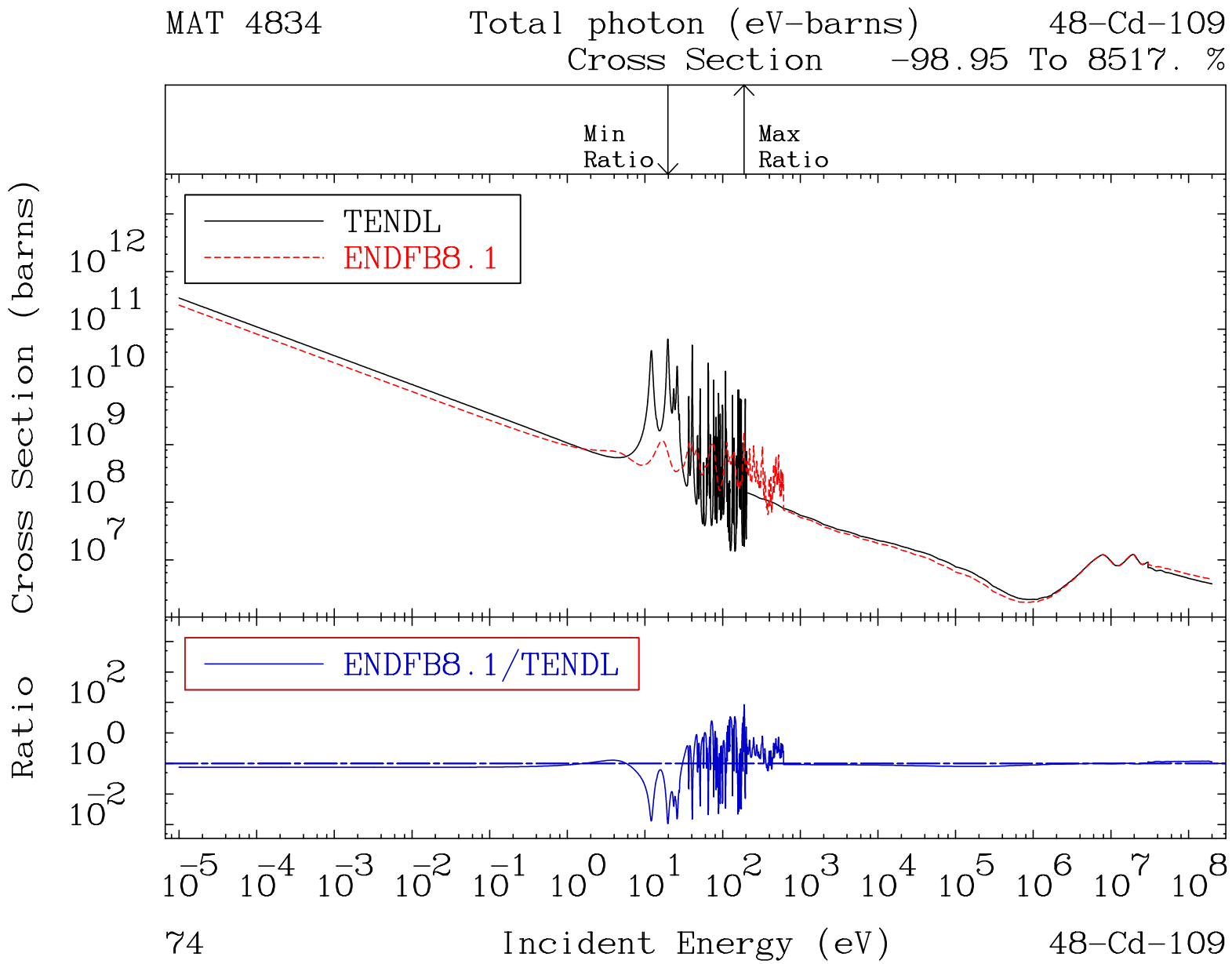

MAT 4834
(n,t):47-Ag-107m1
48-Cd-109
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 7.1347 MeV
JENDL5.0 Threshold 7.1347 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
69
48-Cd-109

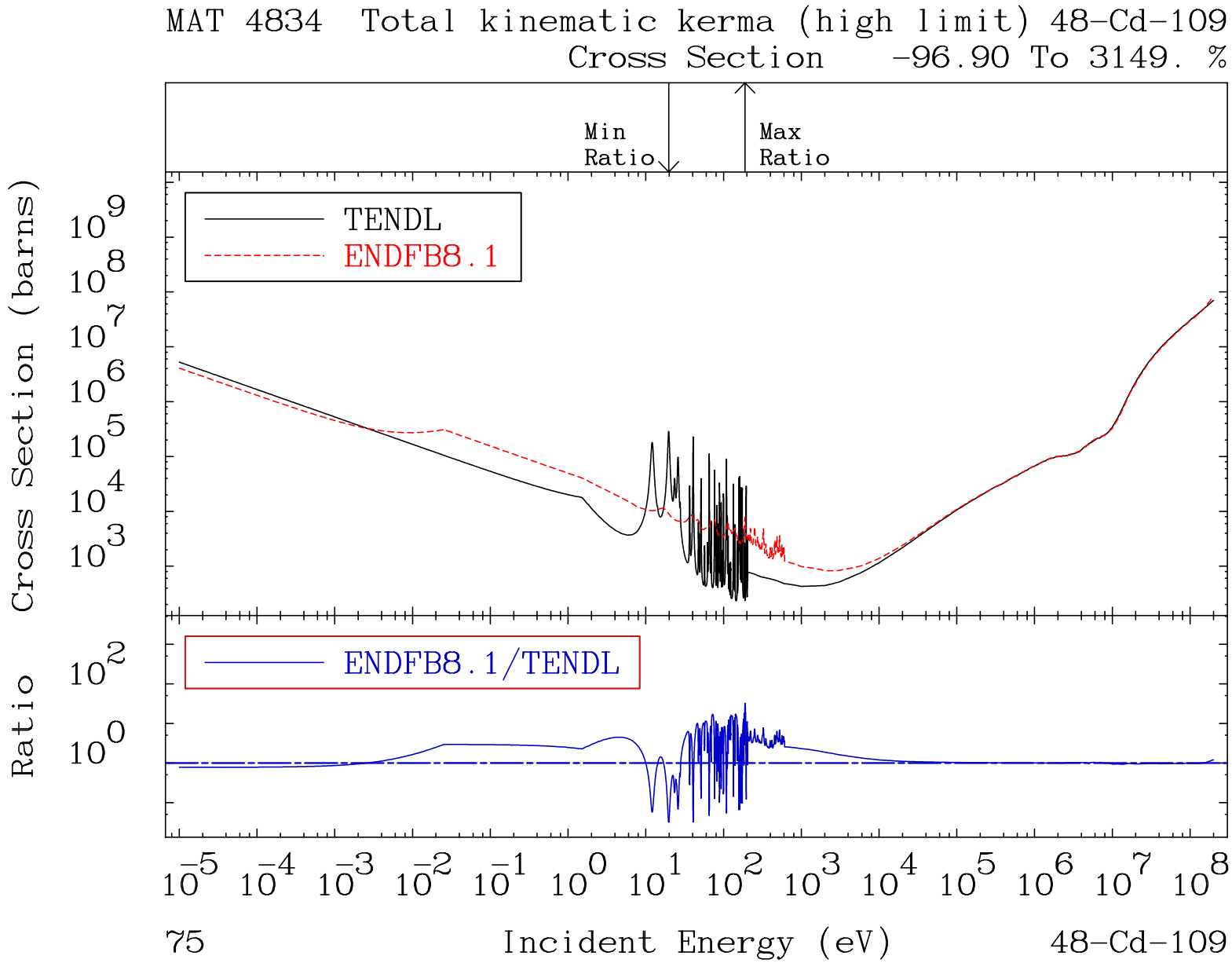

MAT 4834
(n,He-3):46-Pd-107g
48-Cd-109
Radionuclide Production Cross Section
100 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 7.0563 MeV
JENDL5.0 Threshold 7.0563 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
300
200
100
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
70
Incident Energy (eV)
48-Cd-109

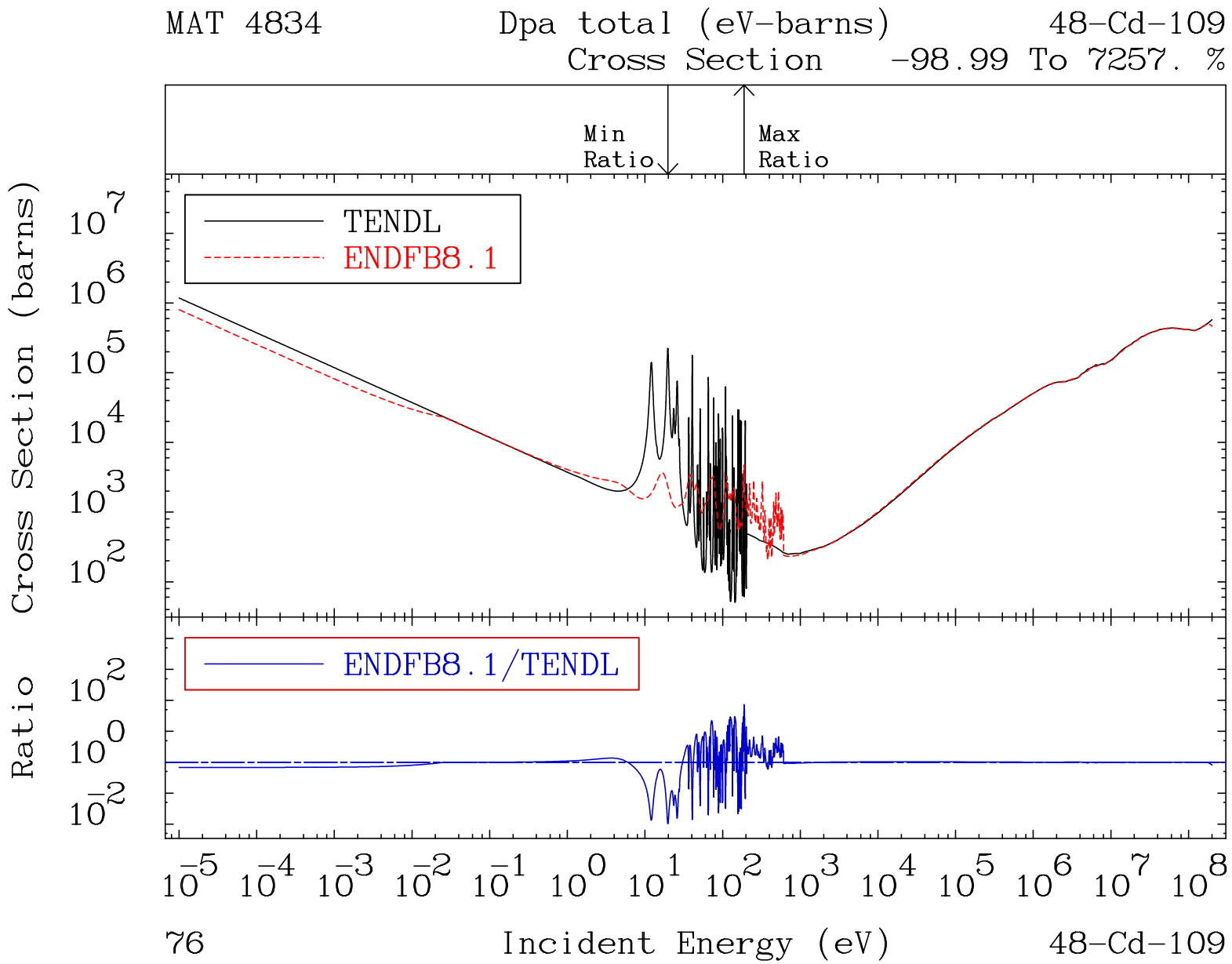

MAT 4834
(n,He-3):46-Pd-107m2
48-Cd-109
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 7.2729 MeV
JENDL5.0 Threshold 7.2729 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
200
100
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
71
Incident Energy (eV)
48-Cd-109

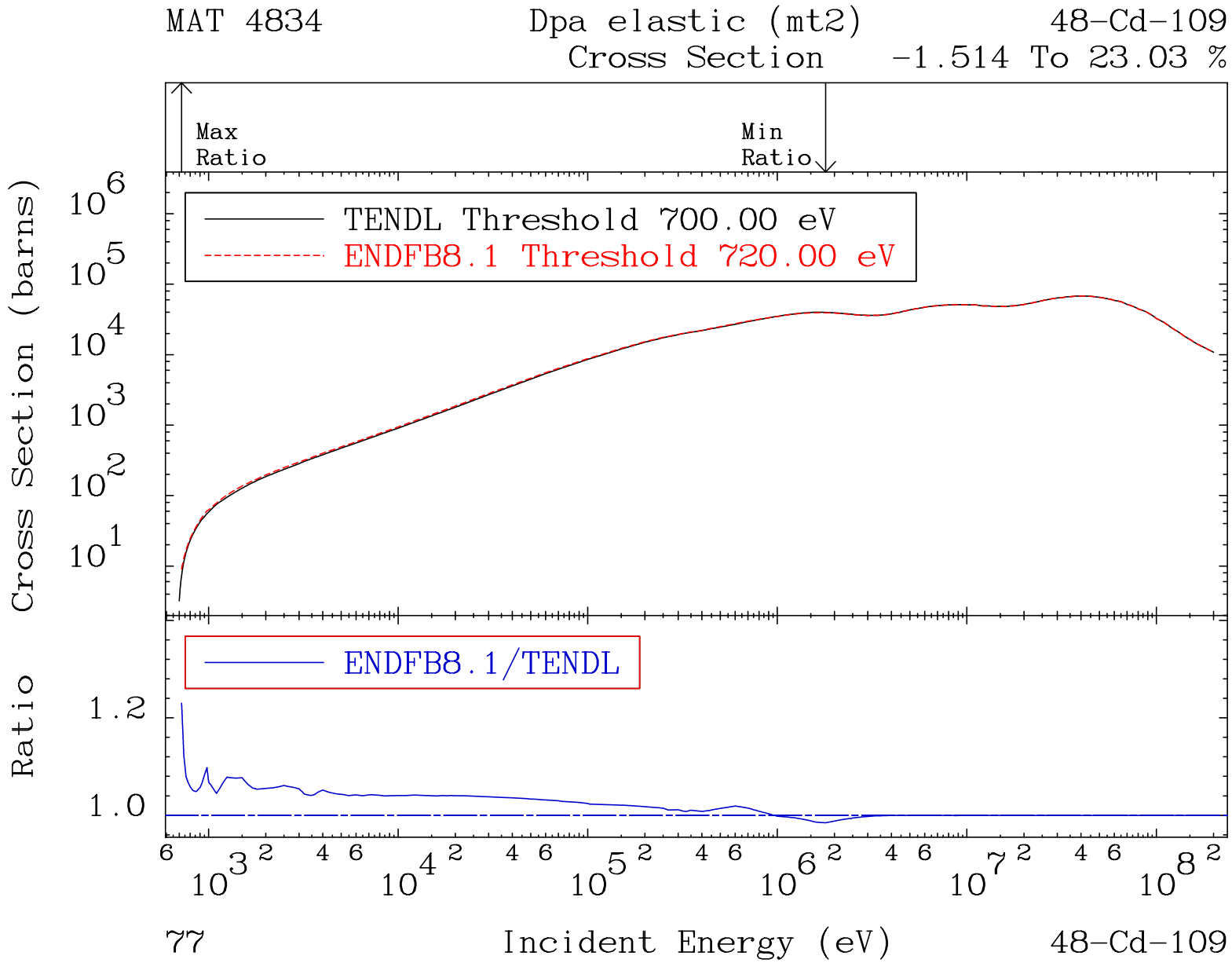

MAT 4834
(n,p) α:45-Rh-105g
48-Cd-109
Radionuclide Production Cross Section To 103.1 %
Min Ratio
Max Ratio
TENDL Threshold 2.3169 MeV
JENDL5.0 Threshold 2.3169 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
100
80
60
40
20
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
72
Incident Energy (eV)
48-Cd-109

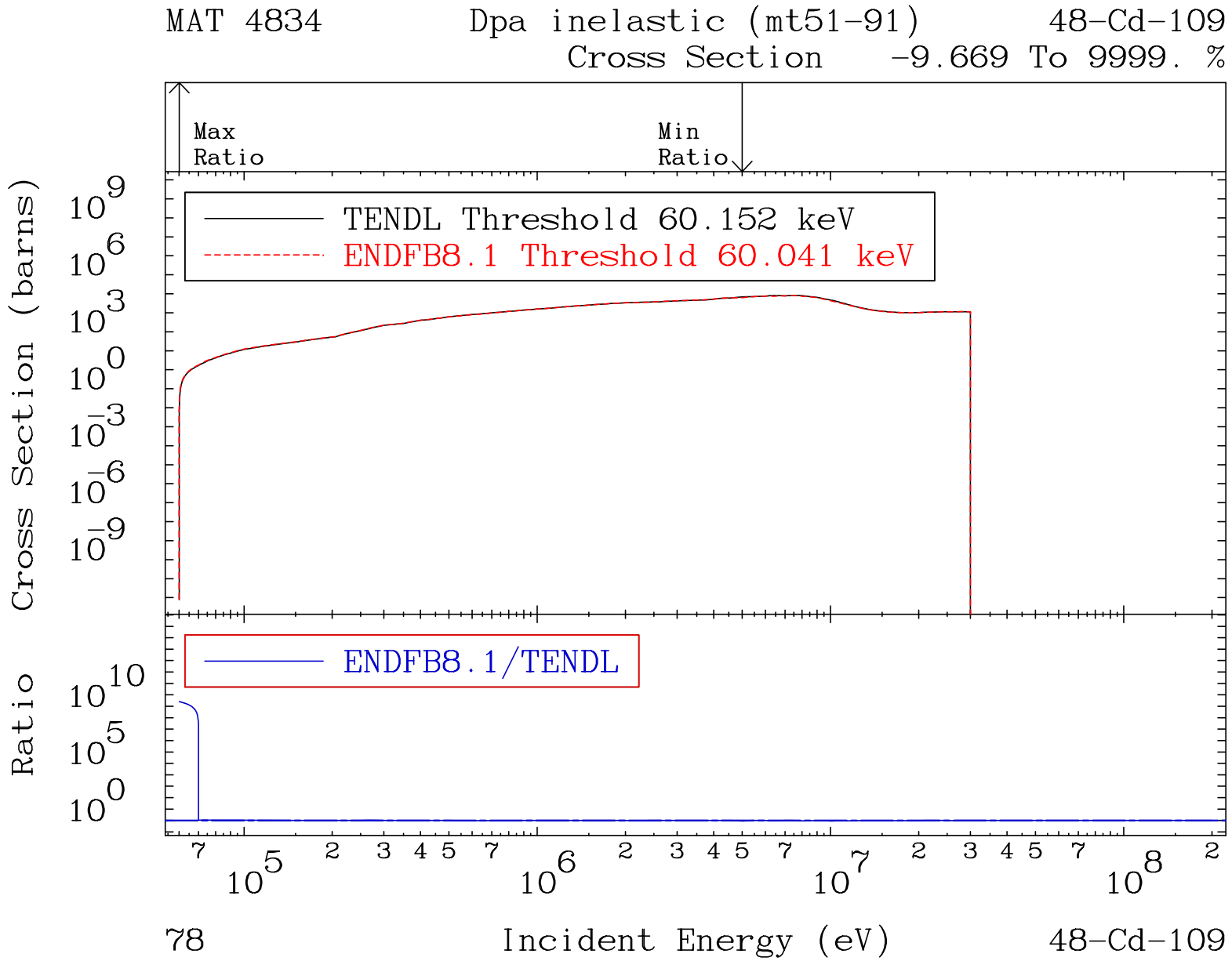

MAT 4834
(n,p) α:45-Rh-105m1
48-Cd-109
Radionuclide Production Cross Section To 111.8 %
Min Ratio
Max Ratio
TENDL Threshold 2.4478 MeV
JENDL5.0 Threshold 2.4478 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
15
10
5
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
73
Incident Energy (eV)
48-Cd-109

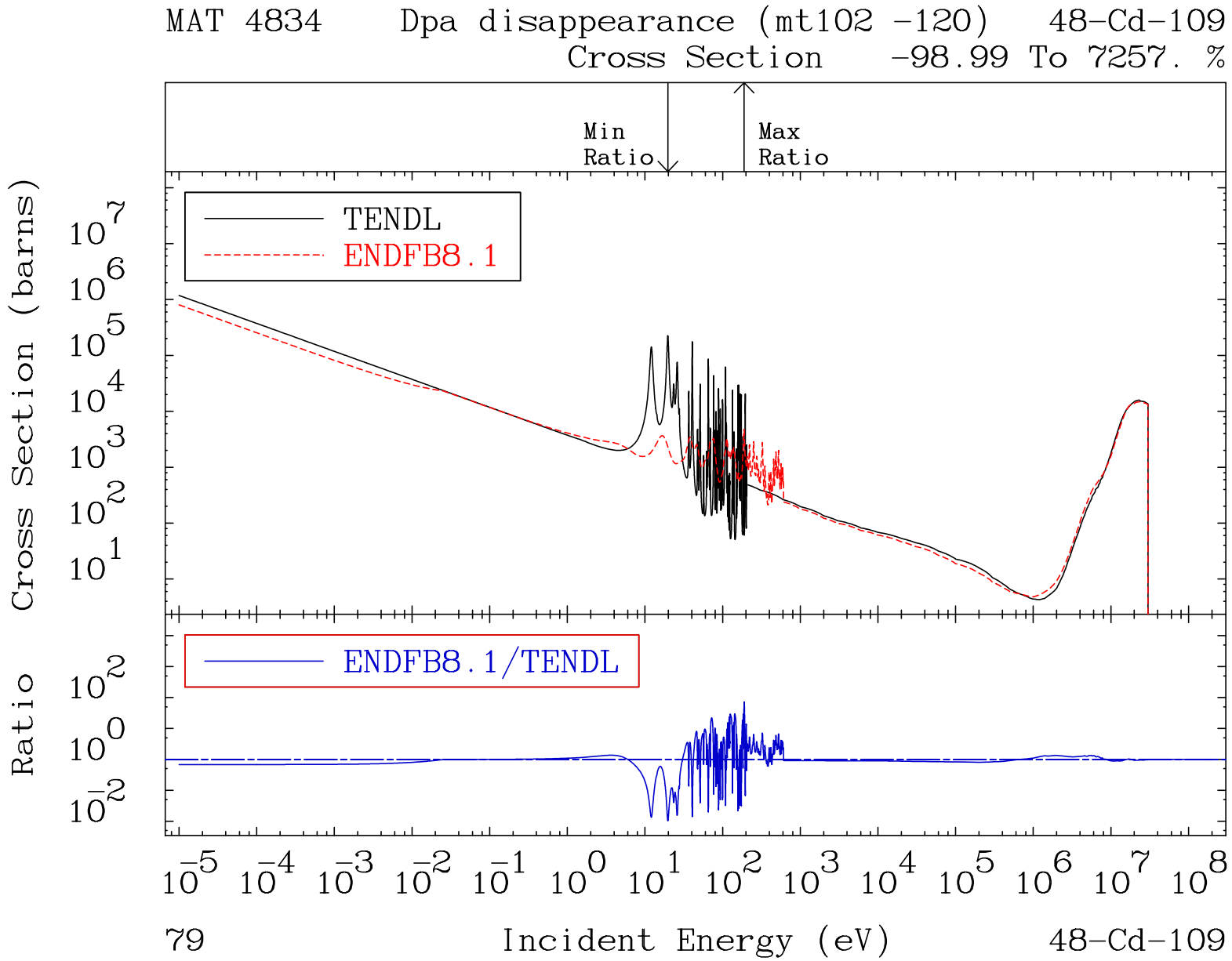

MAT 4834
Total photon (eV-barns)
48-Cd-109
Cross Section -98.95 To 8517. %
Min Ratio
Max Ratio
TENDL
ENDFB8.1
Cross Section (barns)
ENDFB8.1/TENDL
Ratio
Incident Energy (eV)
74
48-Cd-109

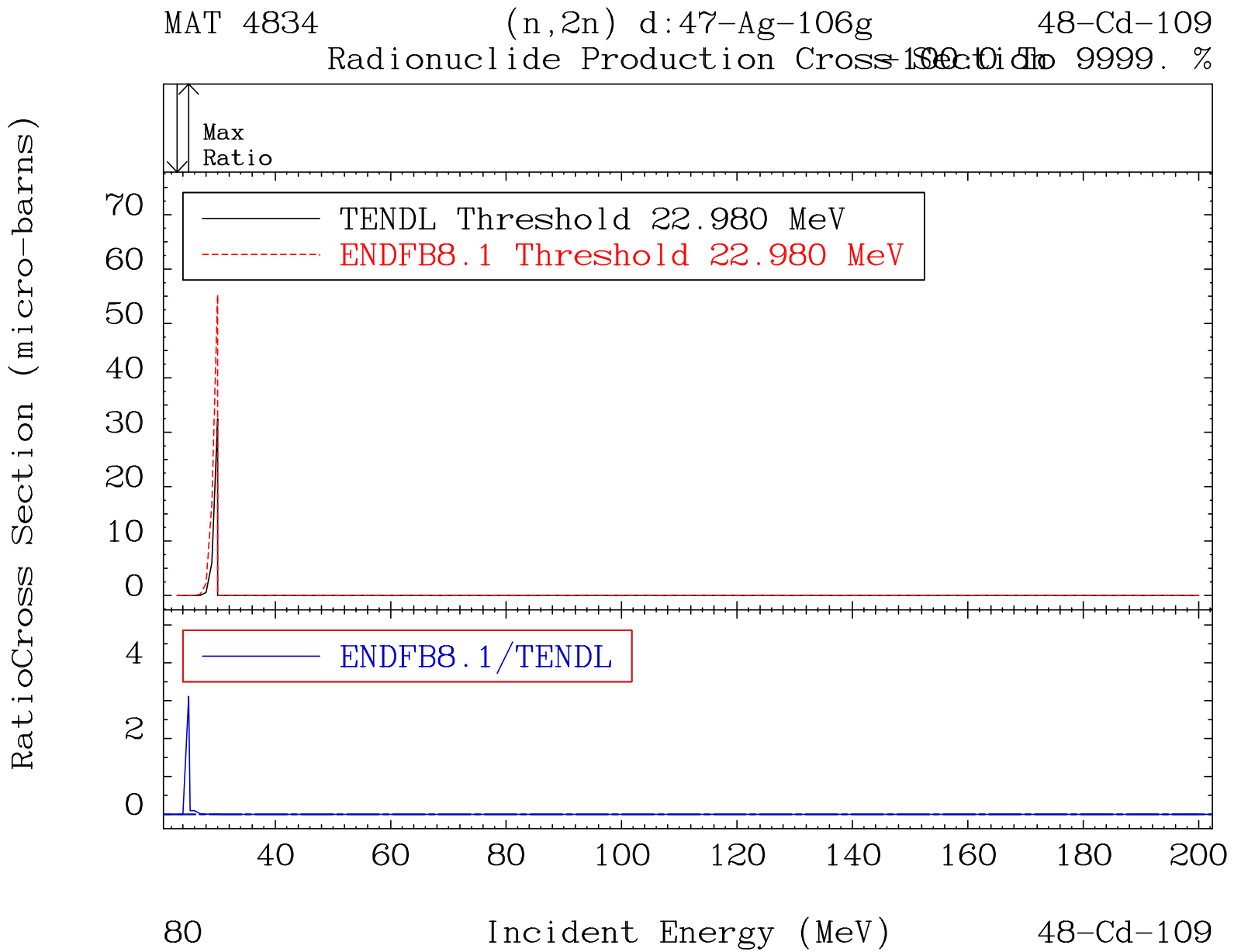

MAT 4834 Total kinematic kerma (high limit) 48-Cd-109
Cross Section -96.90 To 3149. %
Min Ratio
Max Ratio
TENDL
ENDFB8.1
ENDFB8.1/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
75
48-Cd-109

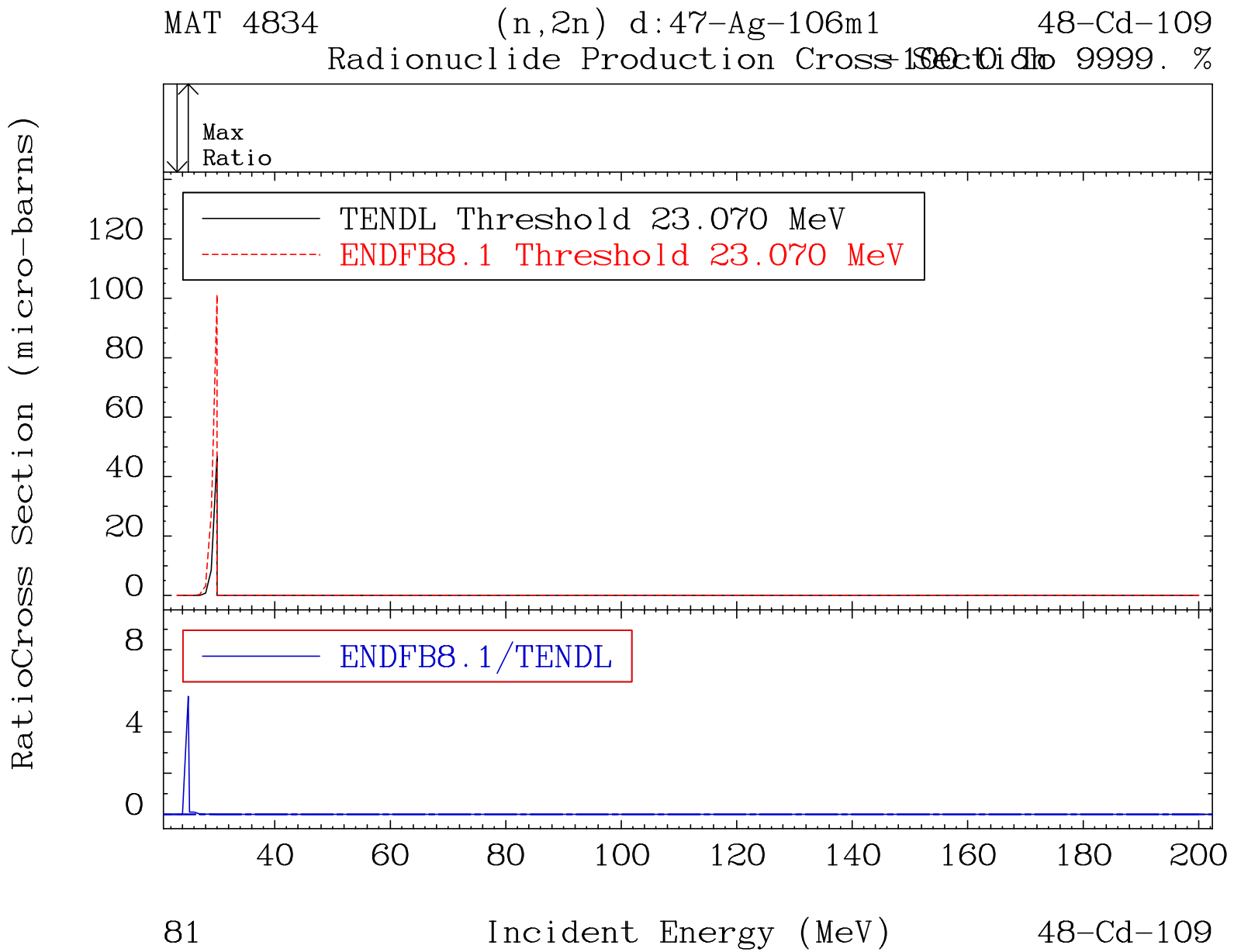

MAT 4834
Dpa total (eV-barns)
48-Cd-109
Cross Section -98.99 To 7257. %
Min Ratio
Max Ratio
TENDL
ENDFB8.1
Cross Section (barns)
ENDFB8.1/TENDL
Ratio
Incident Energy (eV)
76
48-Cd-109

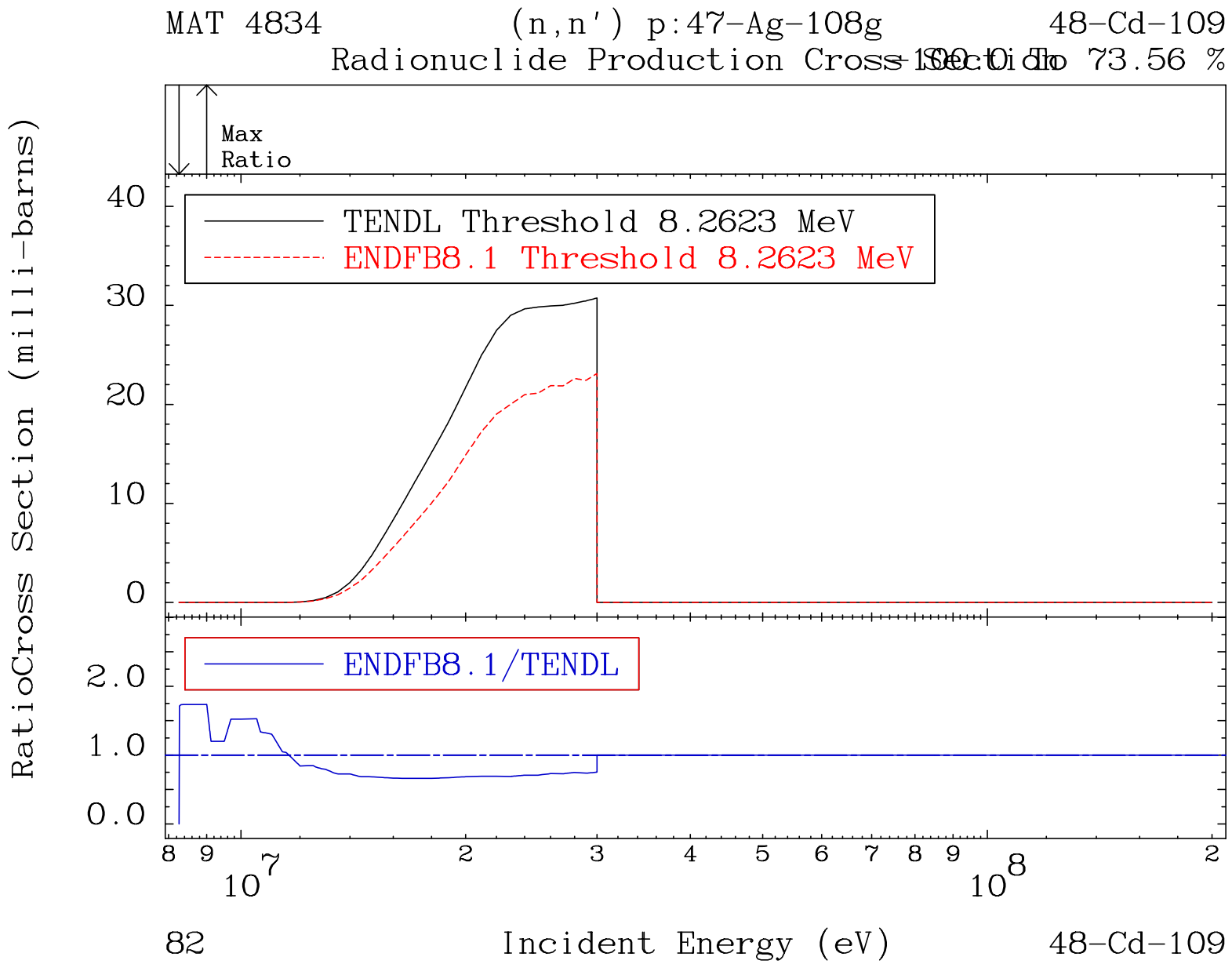

MAT 4834
Dpa elastic (mt2)
Cross Section
48-Cd-109
-1.514 To 23.03 %
Max Ratio
Min Ratio
TENDL Threshold 700.00 eV
ENDFB8.1 Threshold 720.00 eV
Cross Section (barns)
ENDFB8.1/TENDL
Ratio
Incident Energy (eV)
77
48-Cd-109

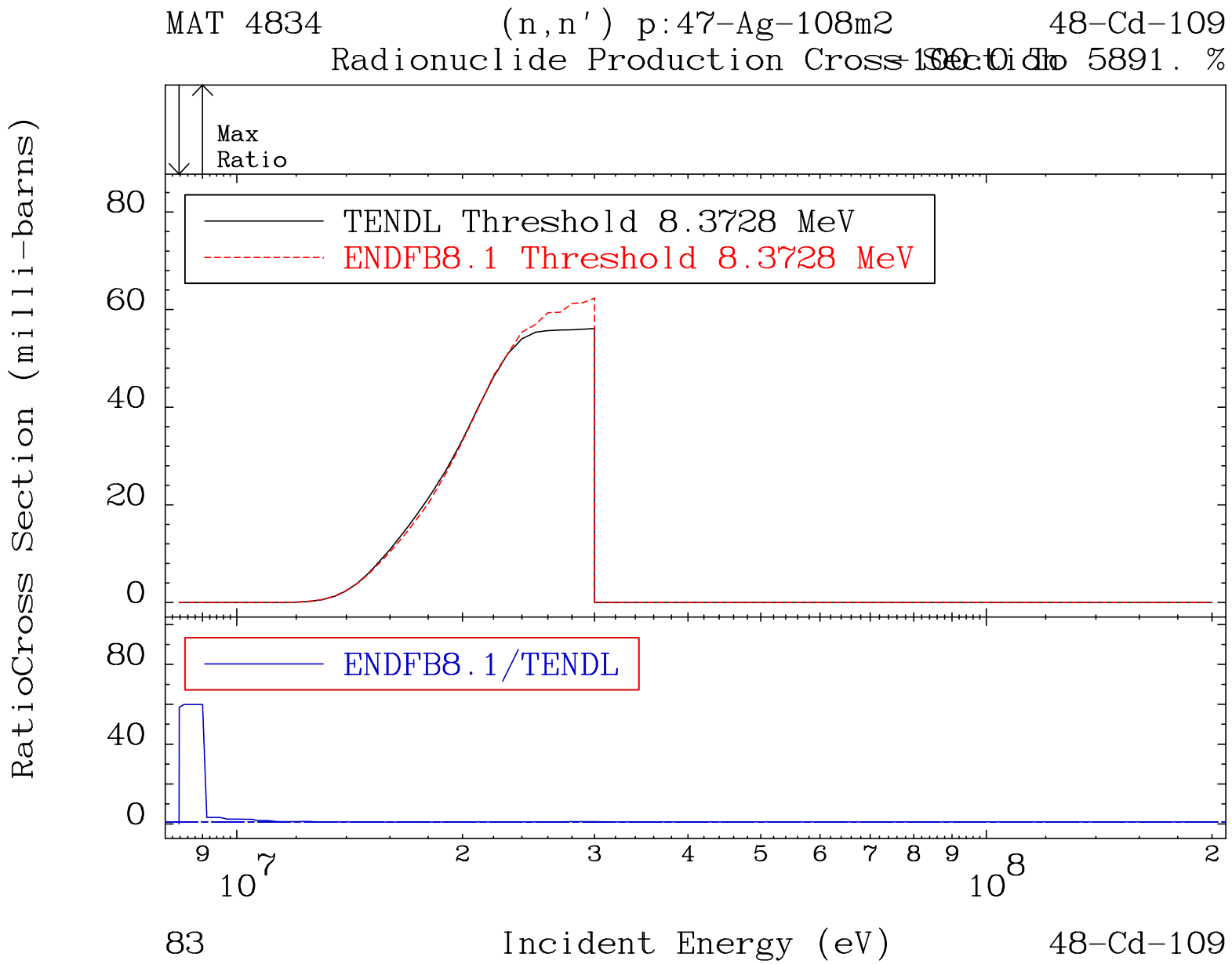

MAT 4834
Dpa inelastic (mt51-91)
48-Cd-109
Cross Section -9.669 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 60.152 keV
ENDFB8.1 Threshold 60.041 keV
Cross Section (barns)
ENDFB8.1/TENDL
Ratio
Incident Energy (eV)
78
48-Cd-109

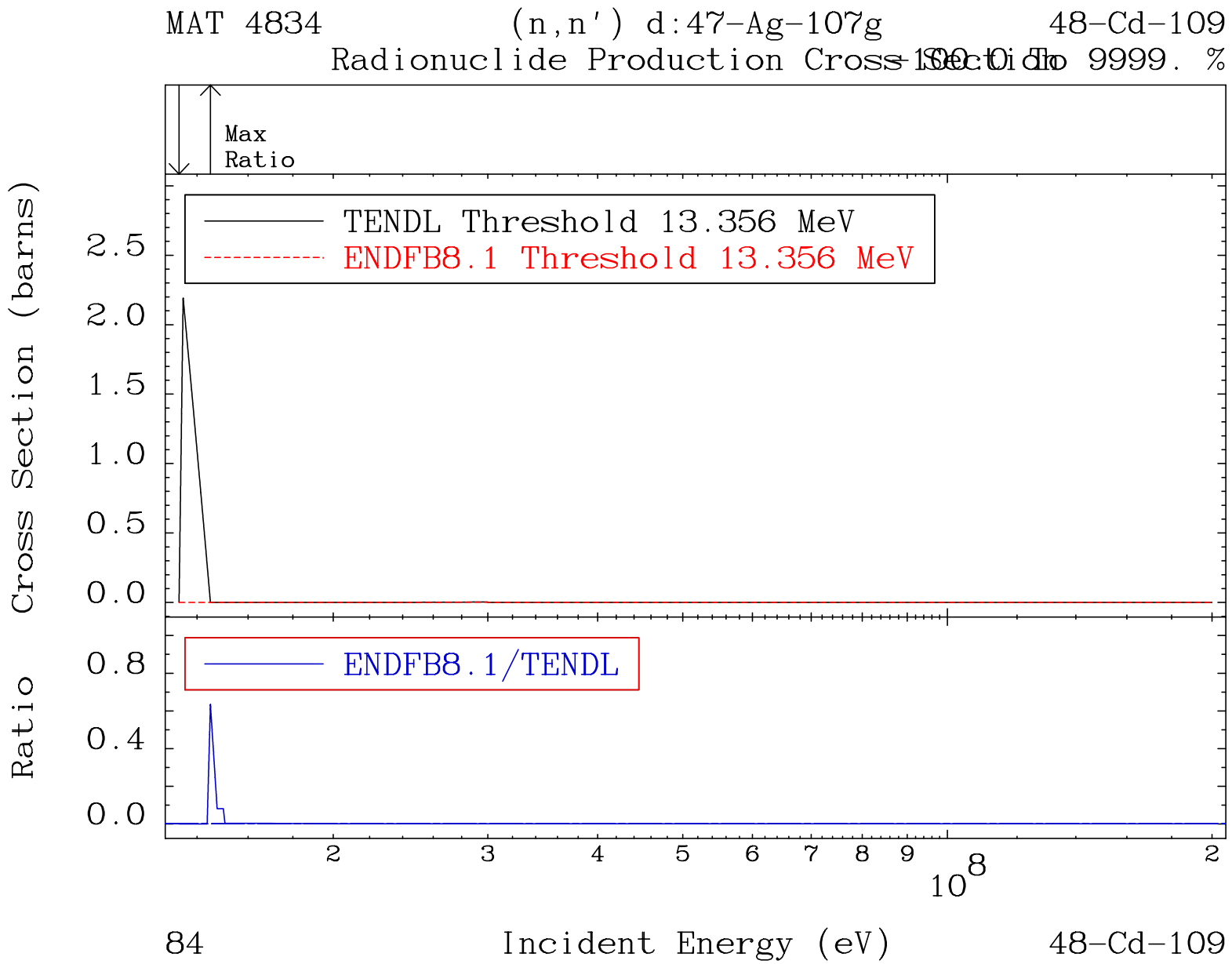

MAT 4834 Dpa disappearance (mt102 -120) 48-Cd-109
Cross Section -98.99 To 7257. %
Min Ratio
Max Ratio
TENDL
ENDFB8.1
Cross Section (barns)
ENDFB8.1/TENDL
Ratio
Incident Energy (eV)
79
48-Cd-109

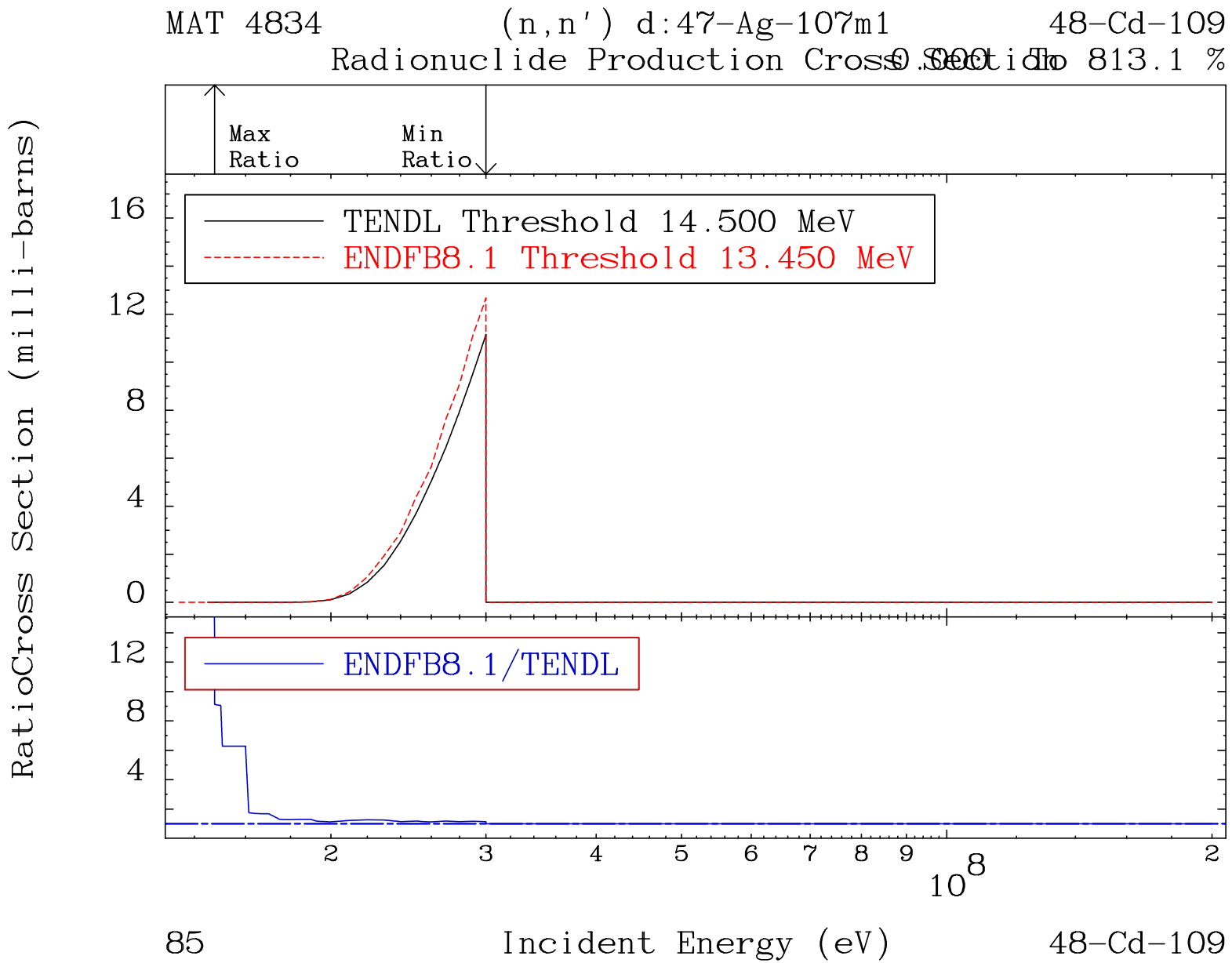

MAT 4834
(n,2n) d:47-Ag-106g
48-Cd-109
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 22.980 MeV
ENDFB8.1 Threshold 22.980 MeV
ENDFB8.1/TENDL
RatioCross Section (micro-barns)
70
60
50
40
30
20
10
0
4
2
0
40
60
80
100
120
140
160
180
200
80
Incident Energy (MeV)
48-Cd-109

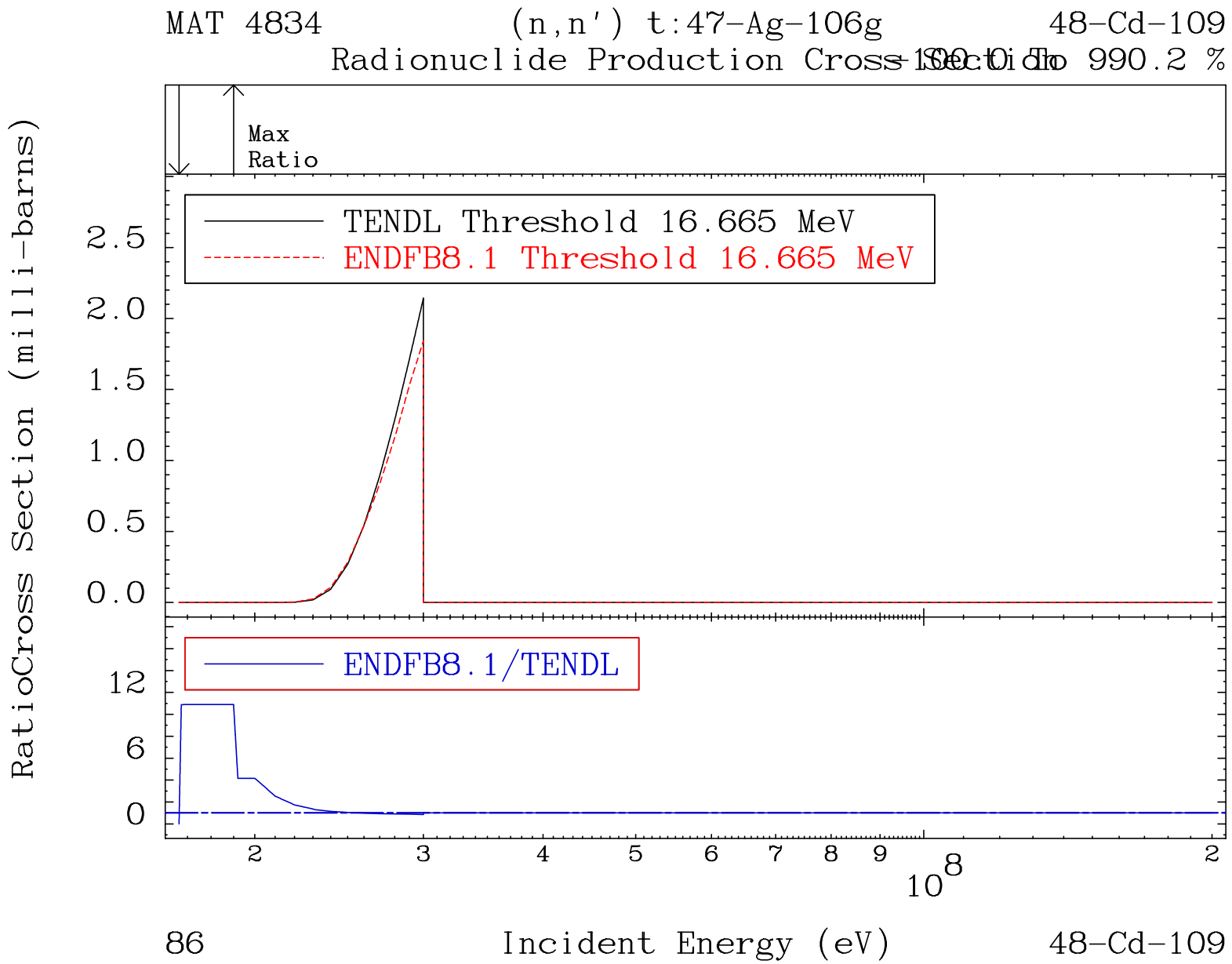

MAT 4834
(n,2n) d:47-Ag-106m1
48-Cd-109
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 23.070 MeV
ENDFB8.1 Threshold 23.070 MeV
ENDFB8.1/TENDL
RatioCross Section (micro-barns)
120
100
80
60
40
20
0
8
4
0
40
60
80
100
120
140
160
180
200
81
Incident Energy (MeV)
48-Cd-109

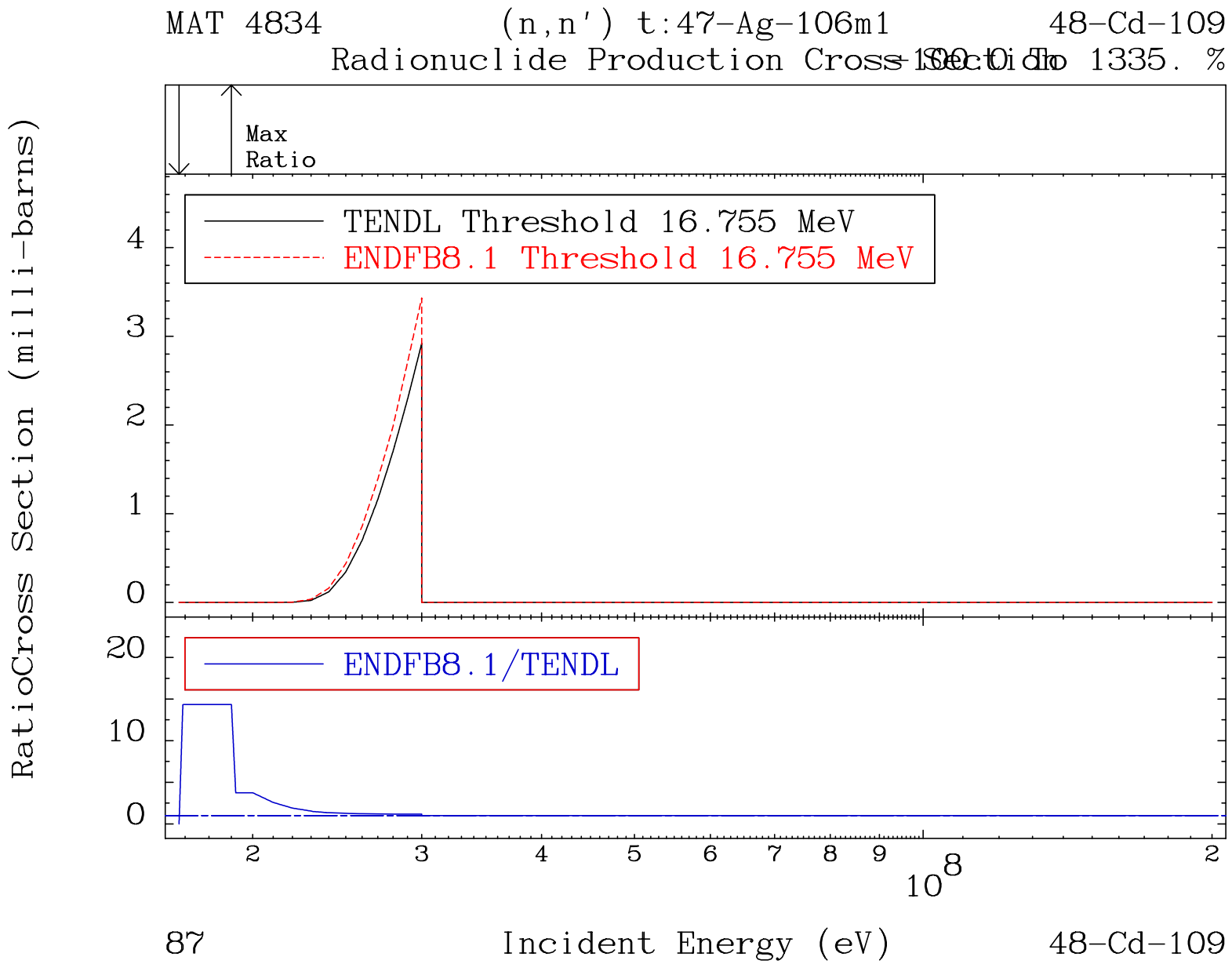

MAT 4834
(n,n') p:47-Ag-108g
48-Cd-109
Radionuclide Production Cross Section To 73.56 %
Max
Ratio
TENDL Threshold 8.2623 MeV
ENDFB8.1 Threshold 8.2623 MeV
ENDFB8.1/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
0.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
82
Incident Energy (eV)
48-Cd-109

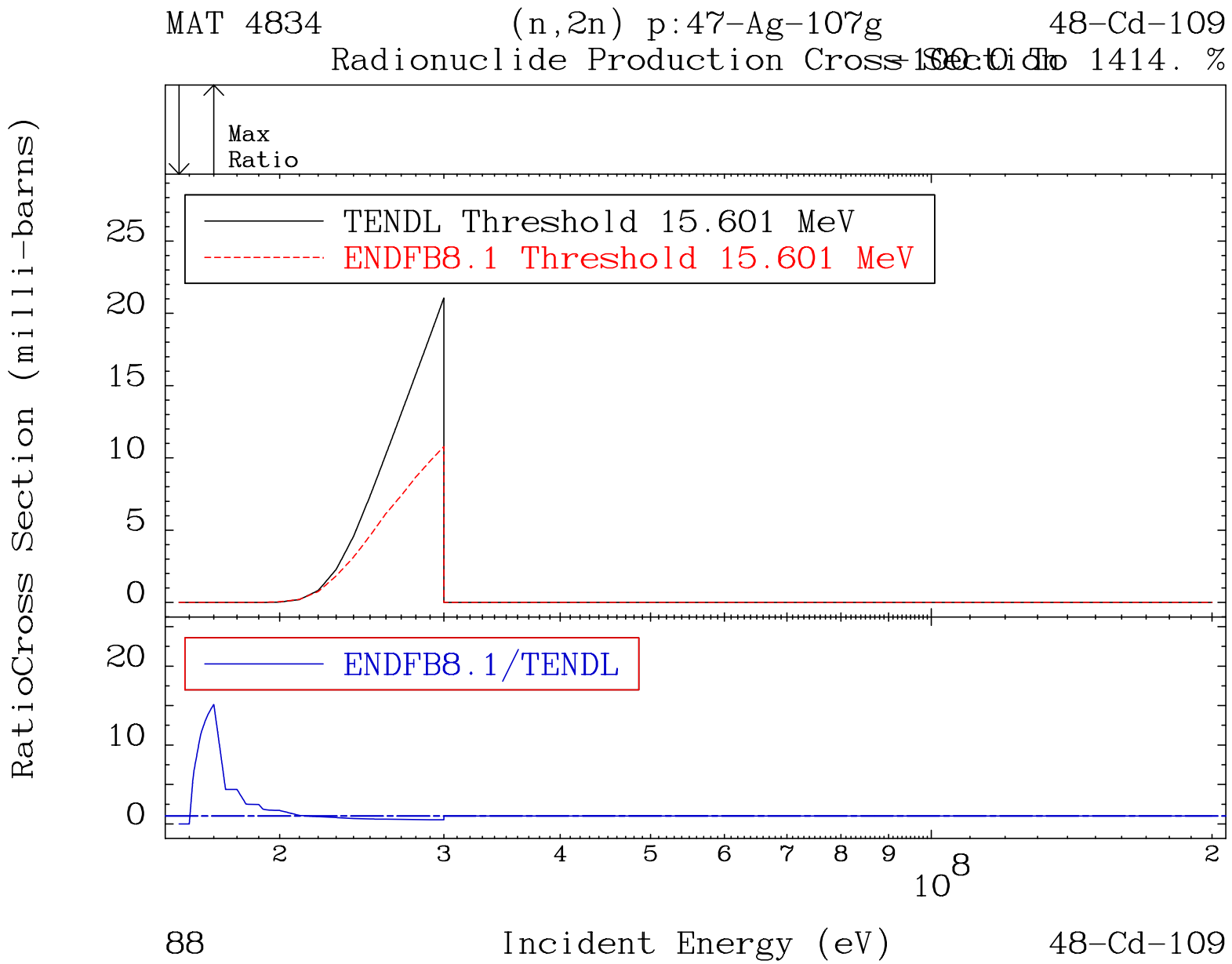

MAT 4834
(n,n') p:47-Ag-108m2
48-Cd-109
Radionuclide Production Cross Section To 5891. %
Max
Ratio
TENDL Threshold 8.3728 MeV
ENDFB8.1 Threshold 8.3728 MeV
ENDFB8.1/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
83
48-Cd-109

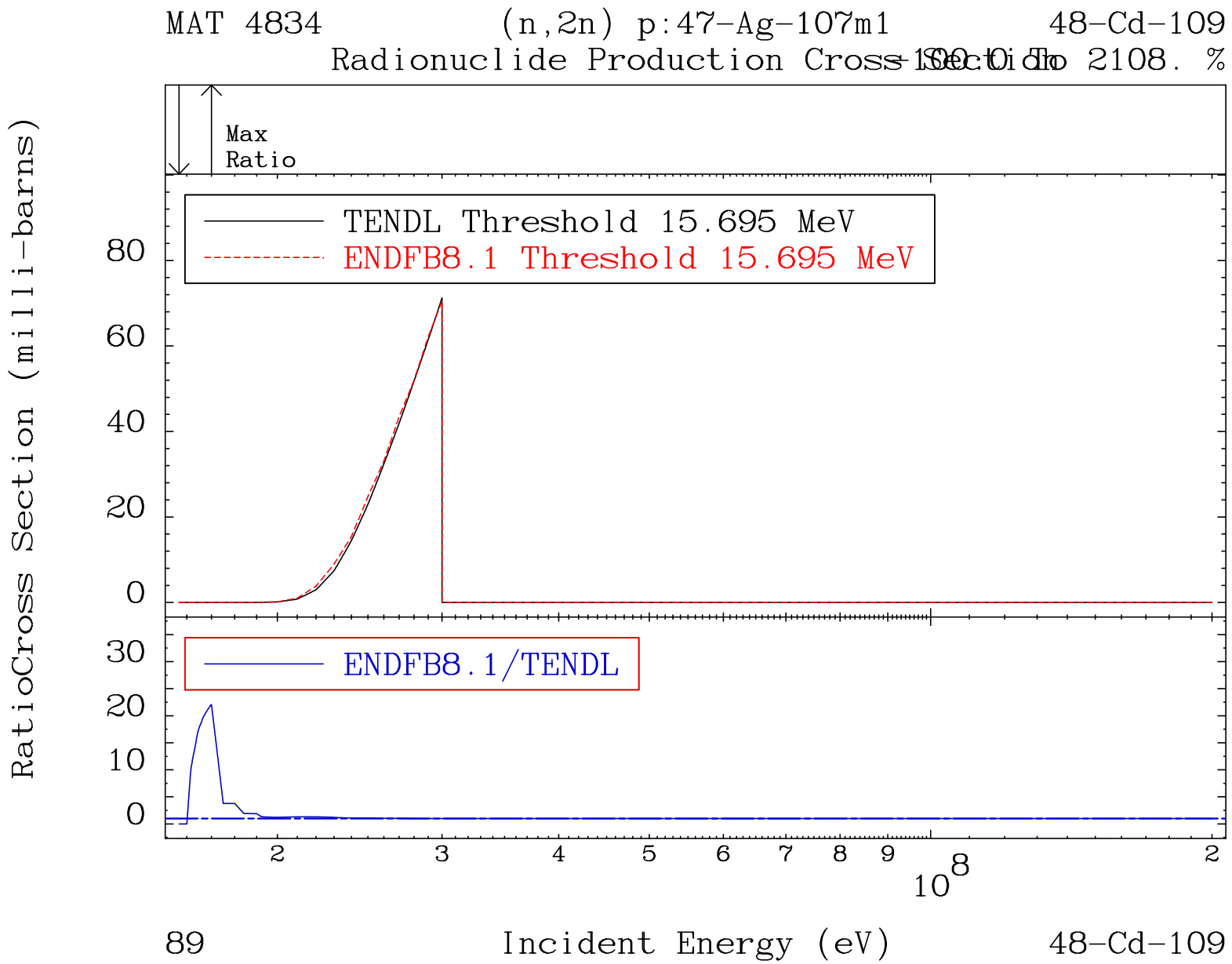

MAT 4834
(n,n') d:47-Ag-107g
48-Cd-109
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 13.356 MeV
ENDFB8.1 Threshold 13.356 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.1/TENDL
Ratio
0.8
0.4
0.0
2
3
4
5
6
7
8
9
2
10^8
84
Incident Energy (eV)
48-Cd-109

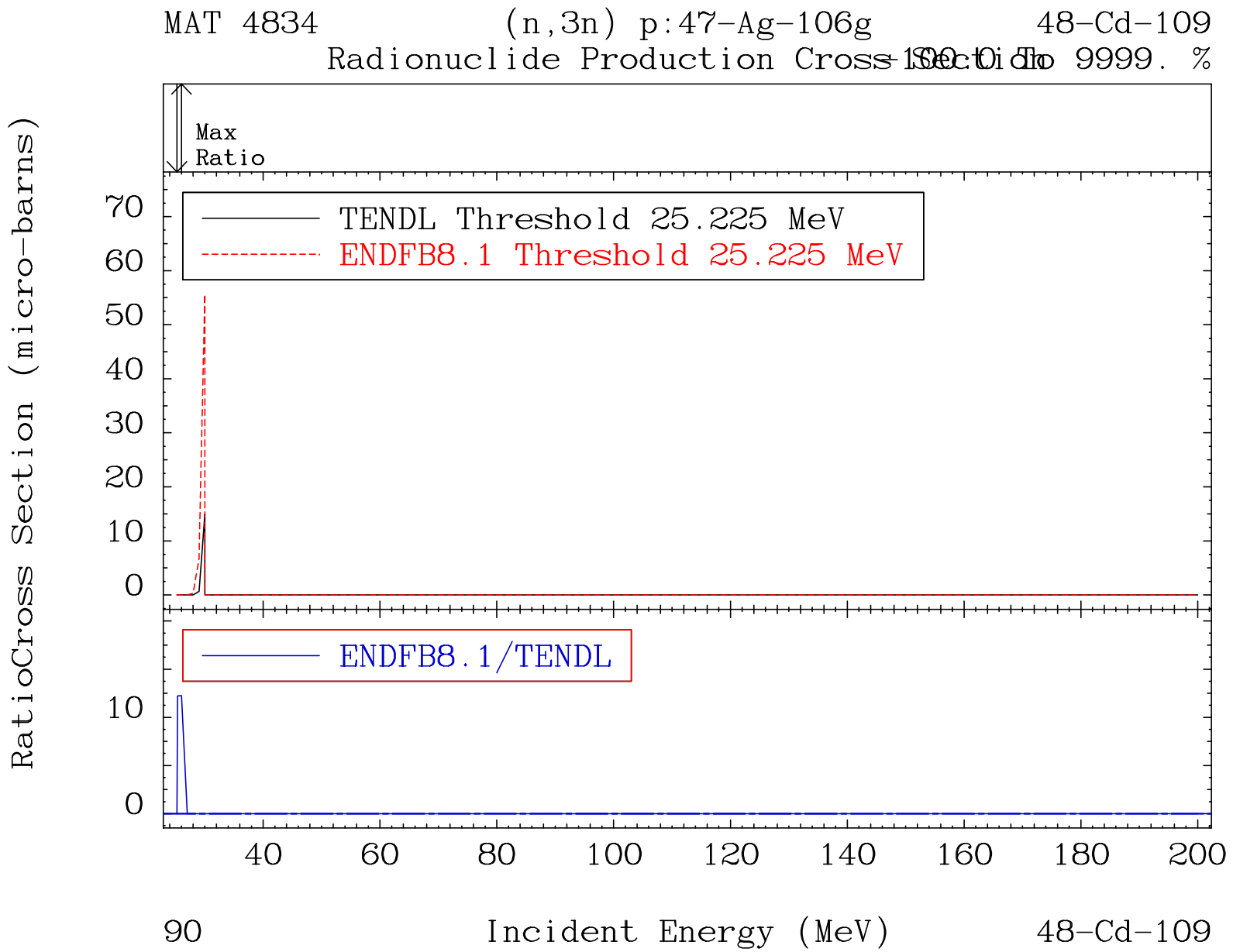

MAT 4834
(n,n') d:47-Ag-107m1
48-Cd-109
Radionuclide Production Cross Section
0.000 To 813.1 %
Max Ratio
Min Ratio
TENDL Threshold 14.500 MeV
ENDFB8.1 Threshold 13.450 MeV
ENDFB8.1/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
12
8
4
2
3
4
5
6
7
8
9
10^8
2
85
Incident Energy (eV)
48-Cd-109

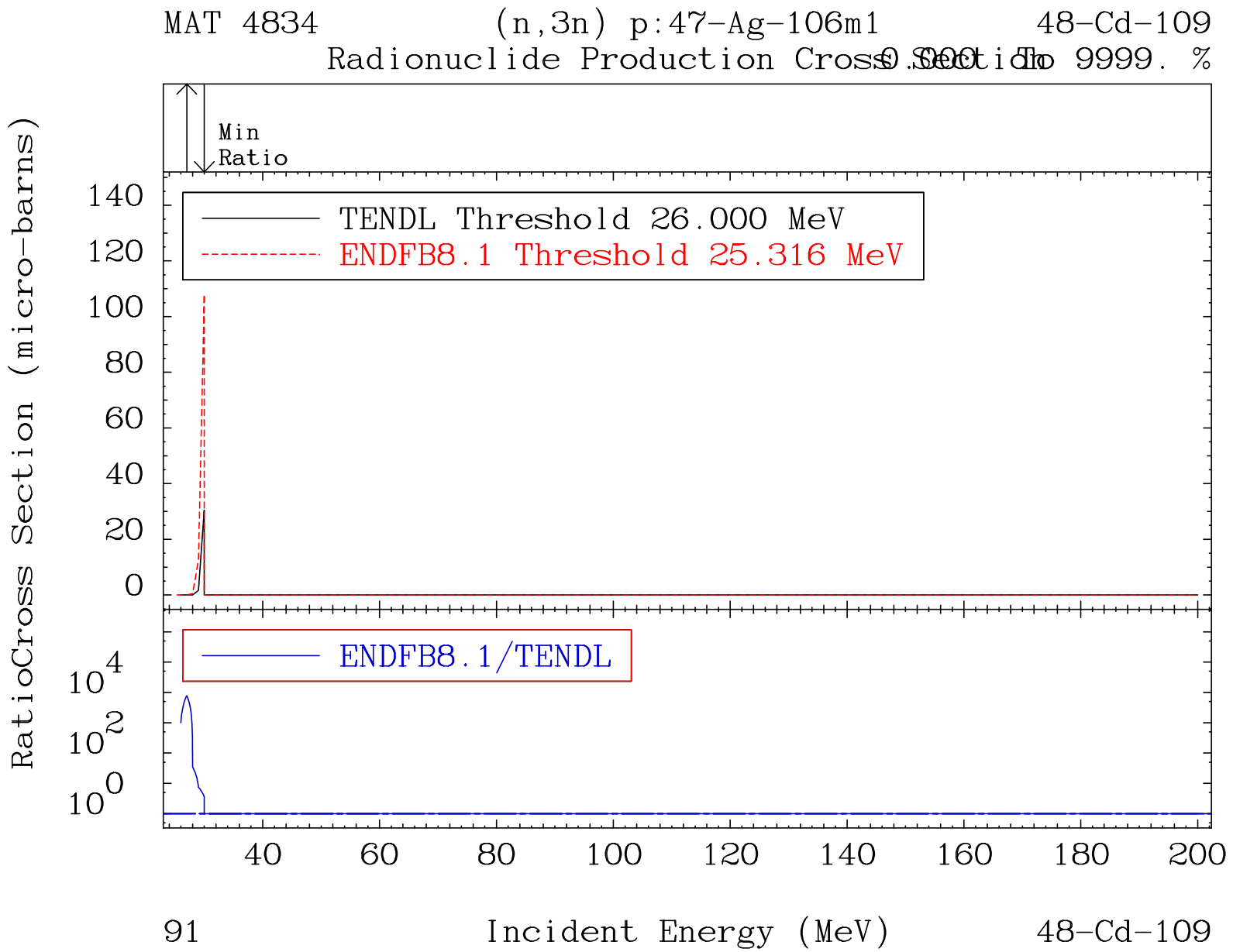

MAT 4834
(n,n') t:47-Ag-106g
48-Cd-109
Radionuclide Production Cross Section To 990.2 %
Max
Ratio
TENDL Threshold 16.665 MeV
ENDFB8.1 Threshold 16.665 MeV
ENDFB8.1/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
12
6
0
2
3
4
5
6
7
8
9
10^8
2
86
Incident Energy (eV)
48-Cd-109

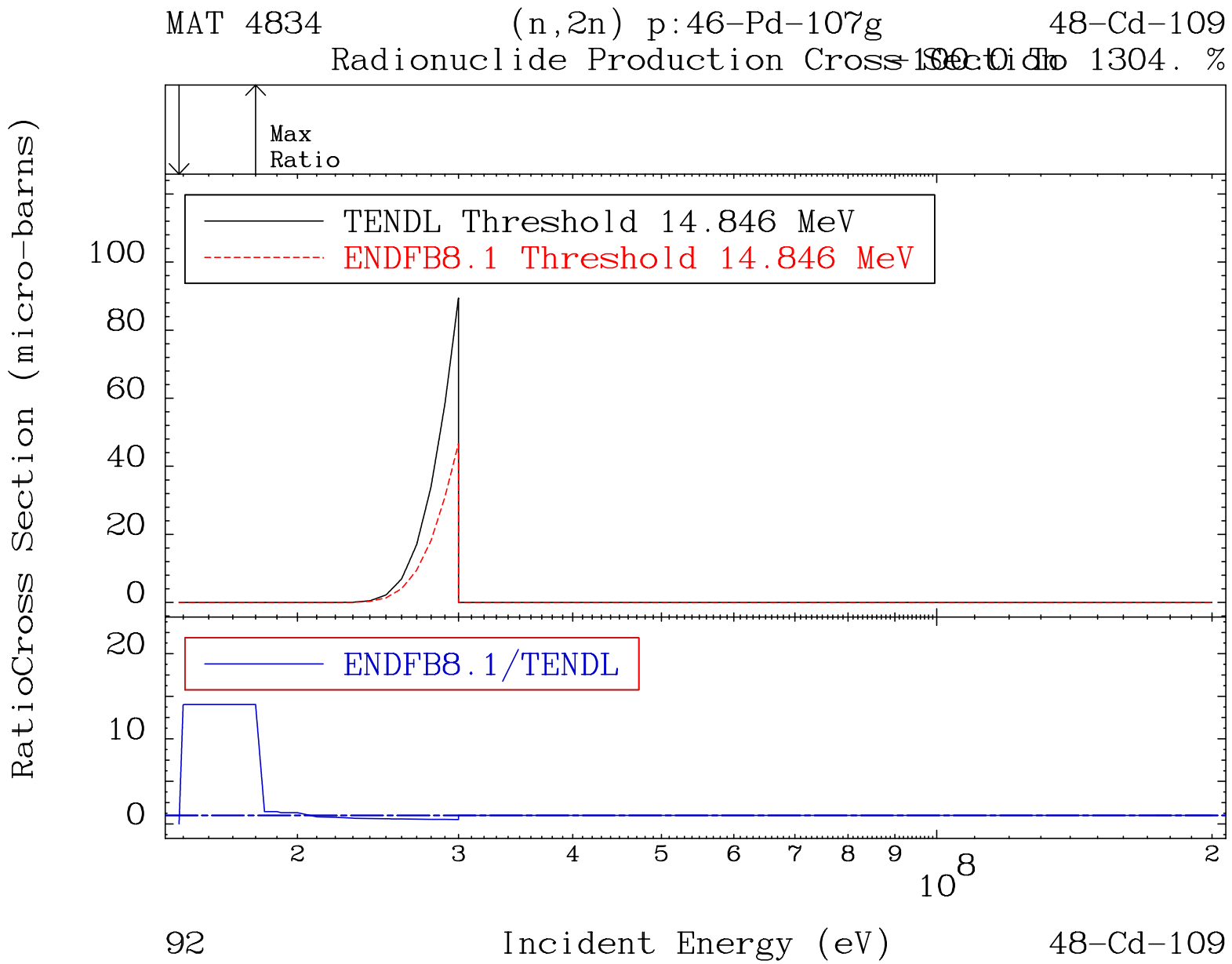

MAT 4834
(n,n') t:47-Ag-106m1
48-Cd-109
Radionuclide Production Cross Section To 1335. %
Max
Ratio
TENDL Threshold 16.755 MeV
ENDFB8.1 Threshold 16.755 MeV
ENDFB8.1/TENDL
RatioCross Section (milli-barns)
4
3
2
1
0
20
10
0
2
3
4
5
6
7
8
9
10^8
2
87
Incident Energy (eV)
48-Cd-109

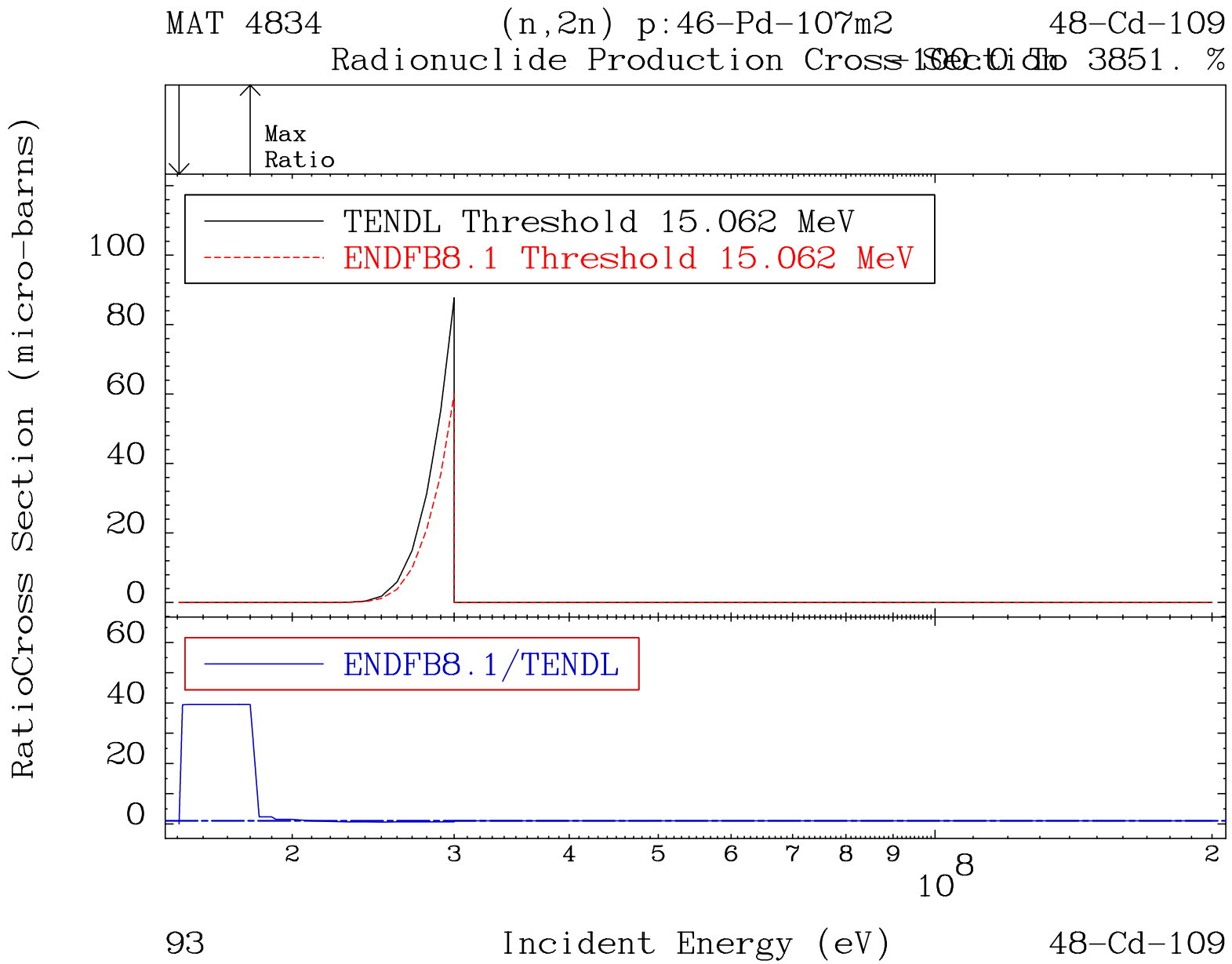

MAT 4834
(n,2n) p:47-Ag-107g
48-Cd-109
Radionuclide Production Cross Section To 1414. %
Max
Ratio
TENDL Threshold 15.601 MeV
ENDFB8.1 Threshold 15.601 MeV
ENDFB8.1/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
20
10
0
2
3
4
5
6
7
8
9
2
10^8
88
Incident Energy (eV)
48-Cd-109

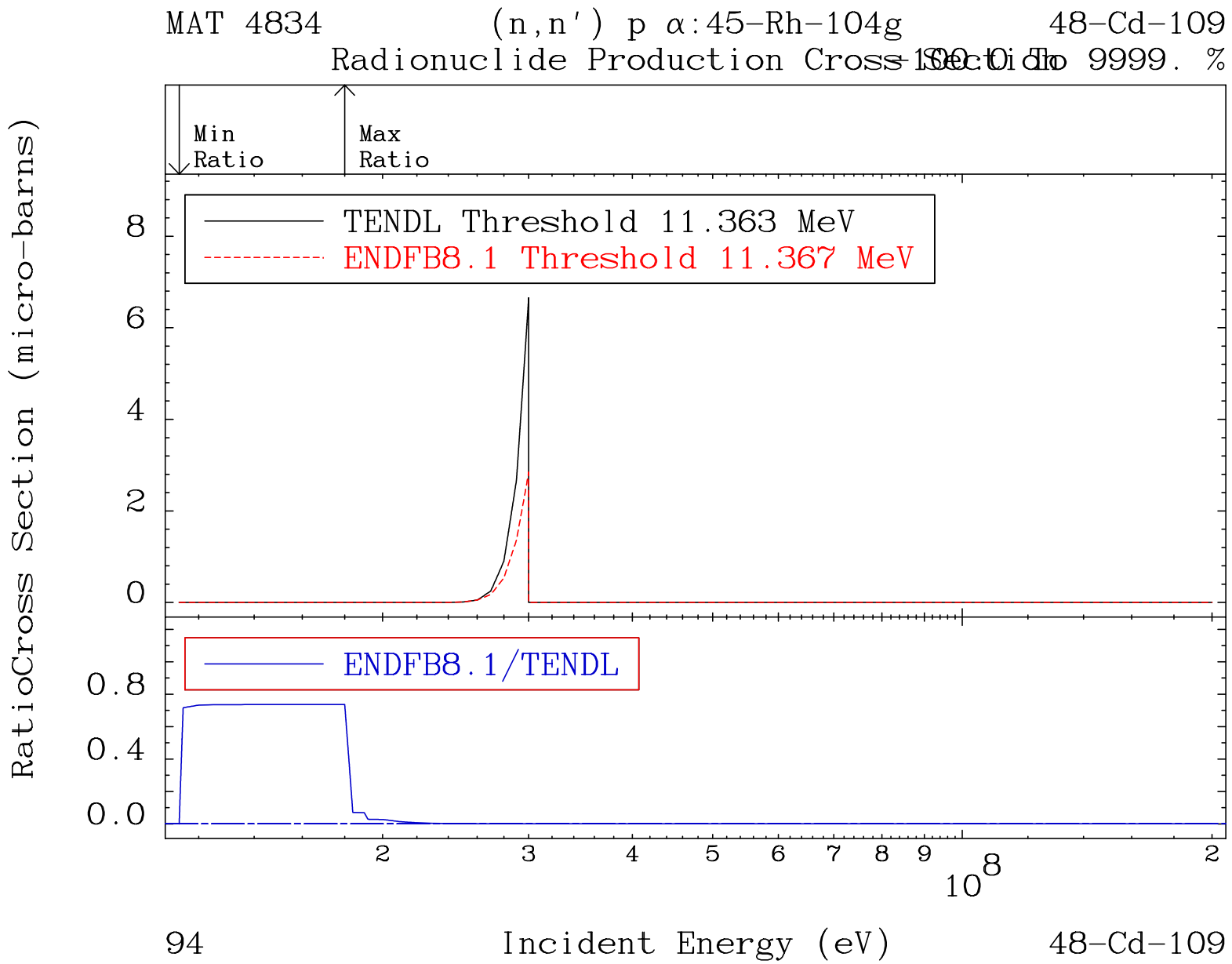

MAT 4834
(n,2n) p:47-Ag-107m1
48-Cd-109
Radionuclide Production Cross Section To 2108. %
Max
Ratio
TENDL Threshold 15.695 MeV
ENDFB8.1 Threshold 15.695 MeV
ENDFB8.1/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
30
20
10
0
2
3
4
5
6
7
8
9
2
10^8
89
Incident Energy (eV)
48-Cd-109

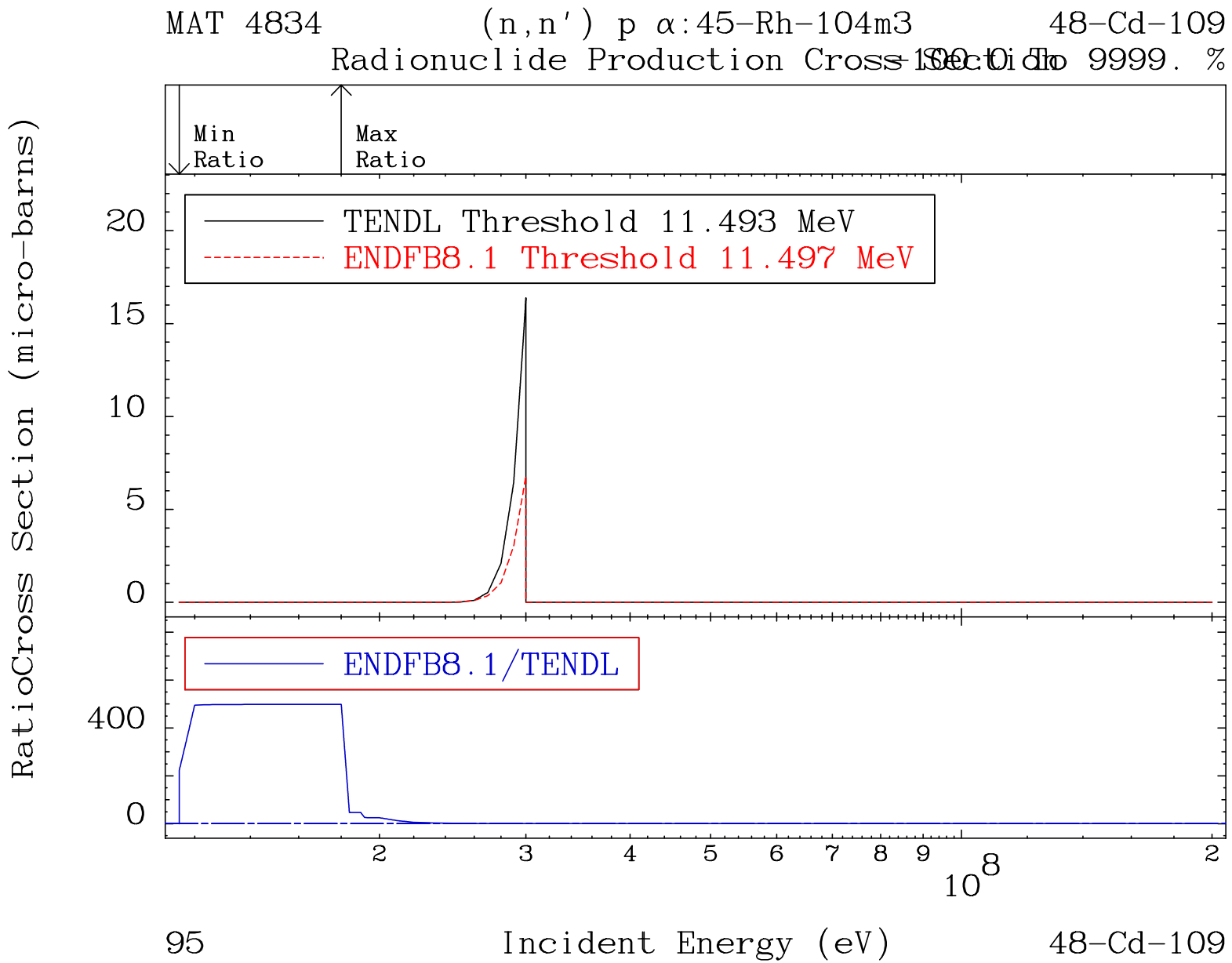

MAT 4834
(n,3n) p:47-Ag-106g
48-Cd-109
Radionuclide Production Cross Section
90
48-Cd-109
Max
Ratio
TENDL Threshold 25.225 MeV
ENDFB8.1 Threshold 25.225 MeV
ENDFB8.1/TENDL
RatioCross Section (micro-barns)
Incident Energy (MeV)
0
10
20
30
40
50
60
70
0
10
40
60
80
100
120
140
160
180
200

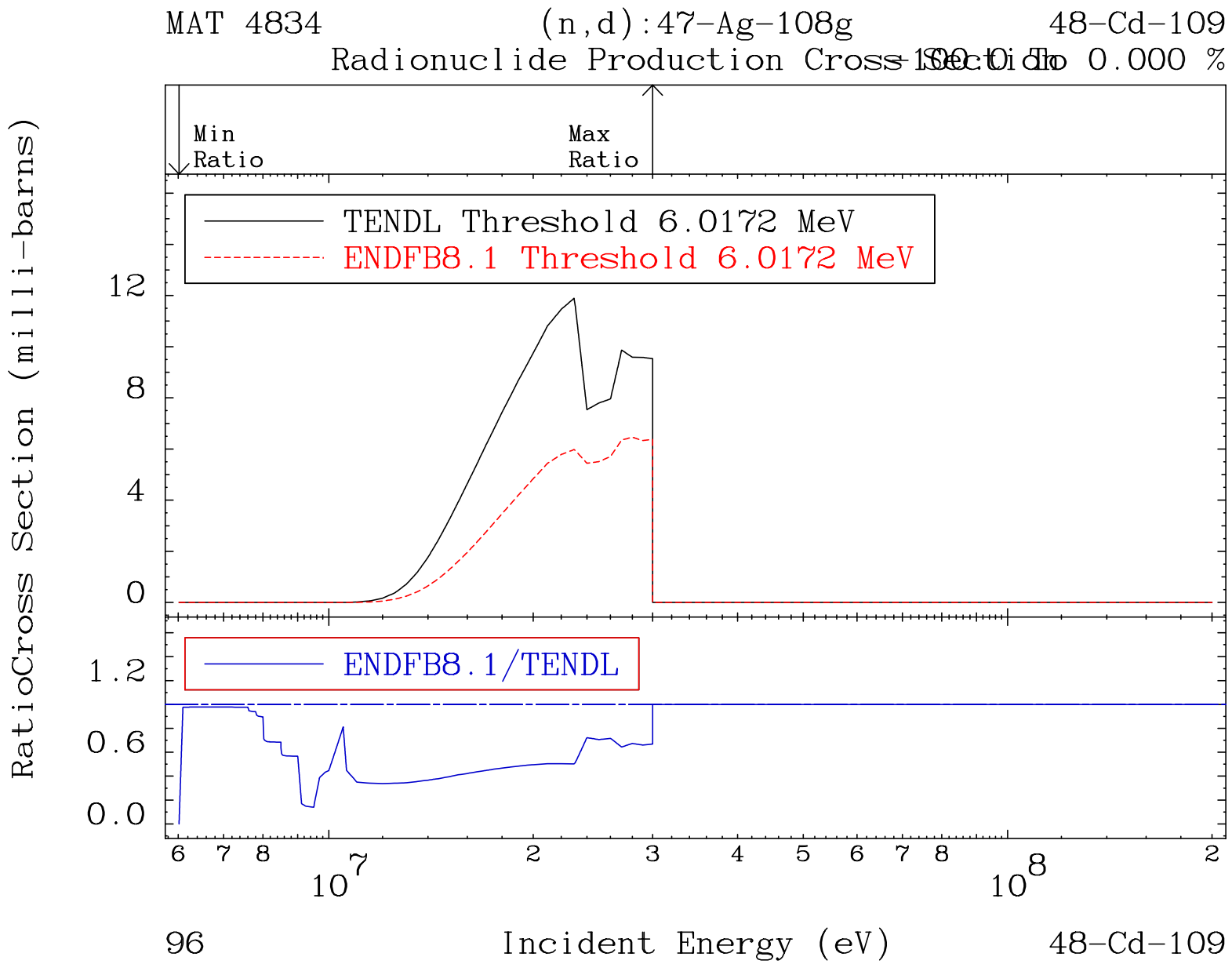

MAT 4834
(n,3n) p:47-Ag-106m1
48-Cd-109
Radionuclide Production Cross Section
0.000 To 9999. %
Min
Ratio
TENDL Threshold 26.000 MeV
ENDFB8.1 Threshold 25.316 MeV
ENDFB8.1/TENDL
RatioCross Section (micro-barns)
140
120
100
80
60
40
20
0
10^4
10^2
10^0
40
60
80
100
120
140
160
180
200
91
Incident Energy (MeV)
48-Cd-109

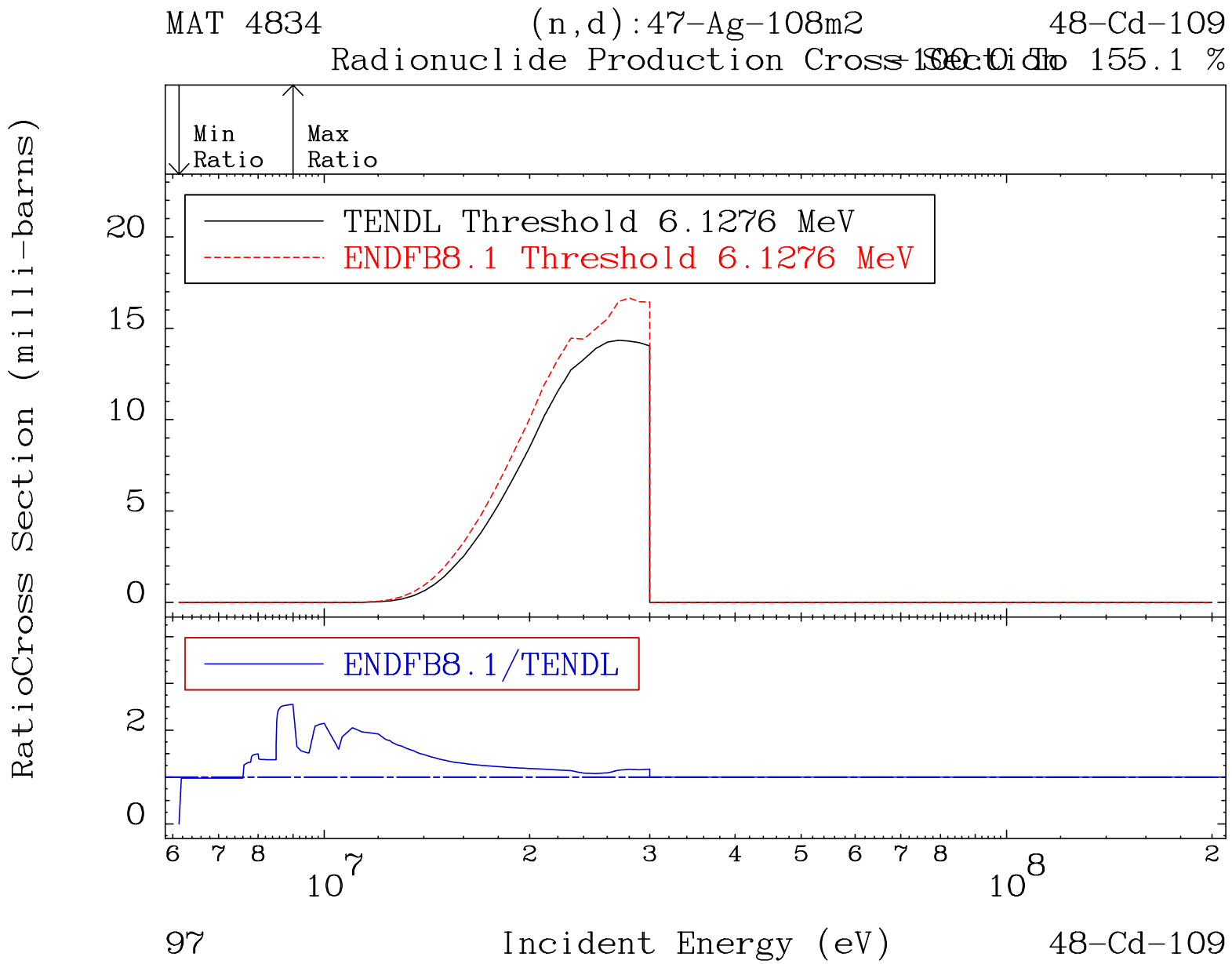

MAT 4834
(n,2n) p:46-Pd-107g
48-Cd-109
Radionuclide Production Cross Section To 1304. %
Max
Ratio
TENDL Threshold 14.846 MeV
ENDFB8.1 Threshold 14.846 MeV
ENDFB8.1/TENDL
RatioCross Section (micro-barns)
100
80
60
40
20
0
20
10
0
2
3
4
5
6
7
8
9
10^8
2
92
Incident Energy (eV)
48-Cd-109

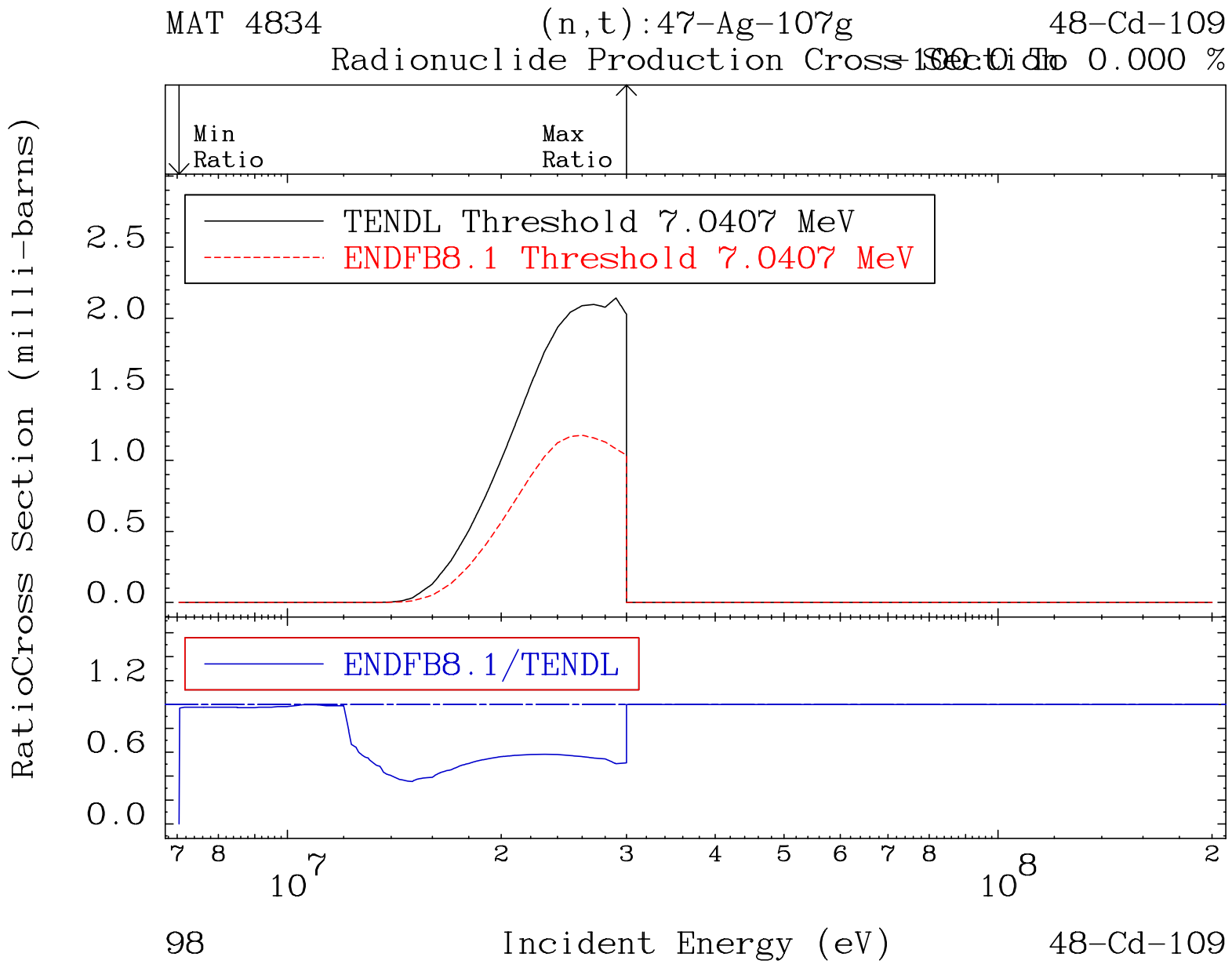

MAT 4834
(n,2n) p:46-Pd-107m2
48-Cd-109
Radionuclide Production Cross Section To 3851. %
Max
Ratio
TENDL Threshold 15.062 MeV
ENDFB8.1 Threshold 15.062 MeV
ENDFB8.1/TENDL
RatioCross Section (micro-barns)
100
80
60
40
20
0
60
40
20
0
2
3
4
5
6
7
8
9
2
10^8
93
Incident Energy (eV)
48-Cd-109

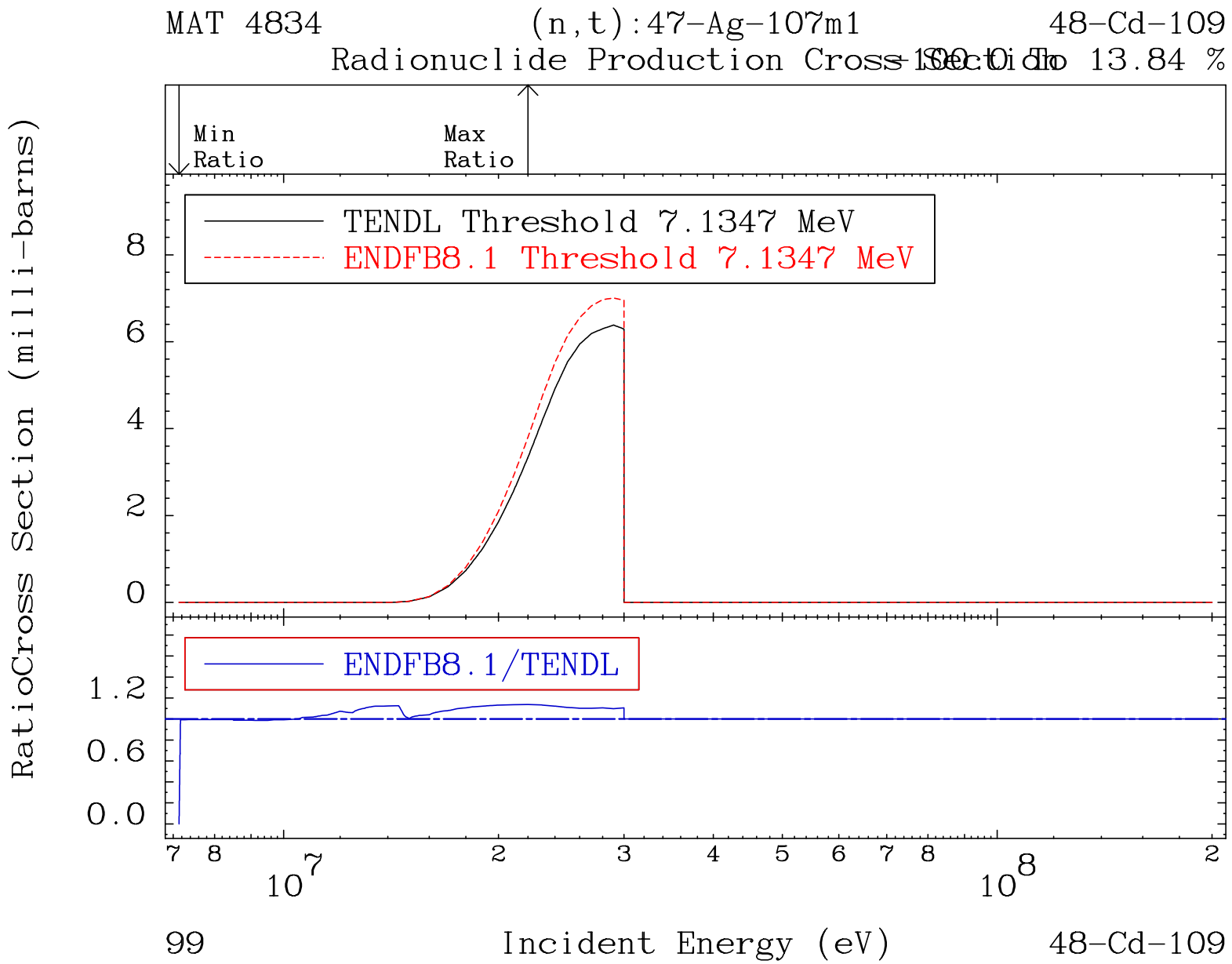

MAT 4834
(n,n') p α:45-Rh-104g
48-Cd-109
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 11.363 MeV
ENDFB8.1 Threshold 11.367 MeV
ENDFB8.1/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
94
48-Cd-109

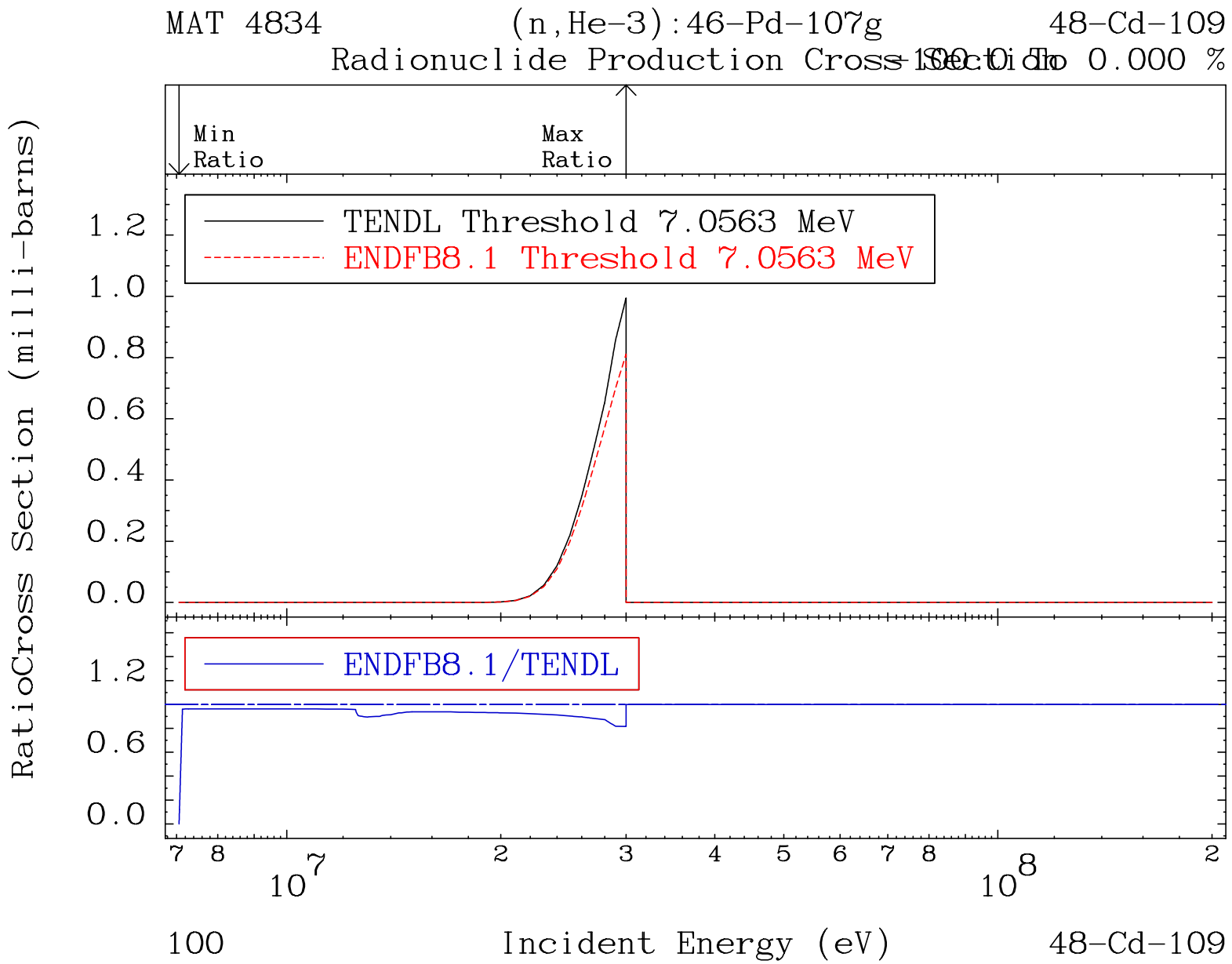

MAT 4834 (n,n') p α:45-Rh-104m3 48-Cd-109
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 11.493 MeV
ENDFB8.1 Threshold 11.497 MeV
ENDFB8.1/TENDL
RatioCross Section (micro-barns)
20
15
10
5
0
400
0
2
3
4
5
6
7
8
9
2
10^8
95
Incident Energy (eV)
48-Cd-109

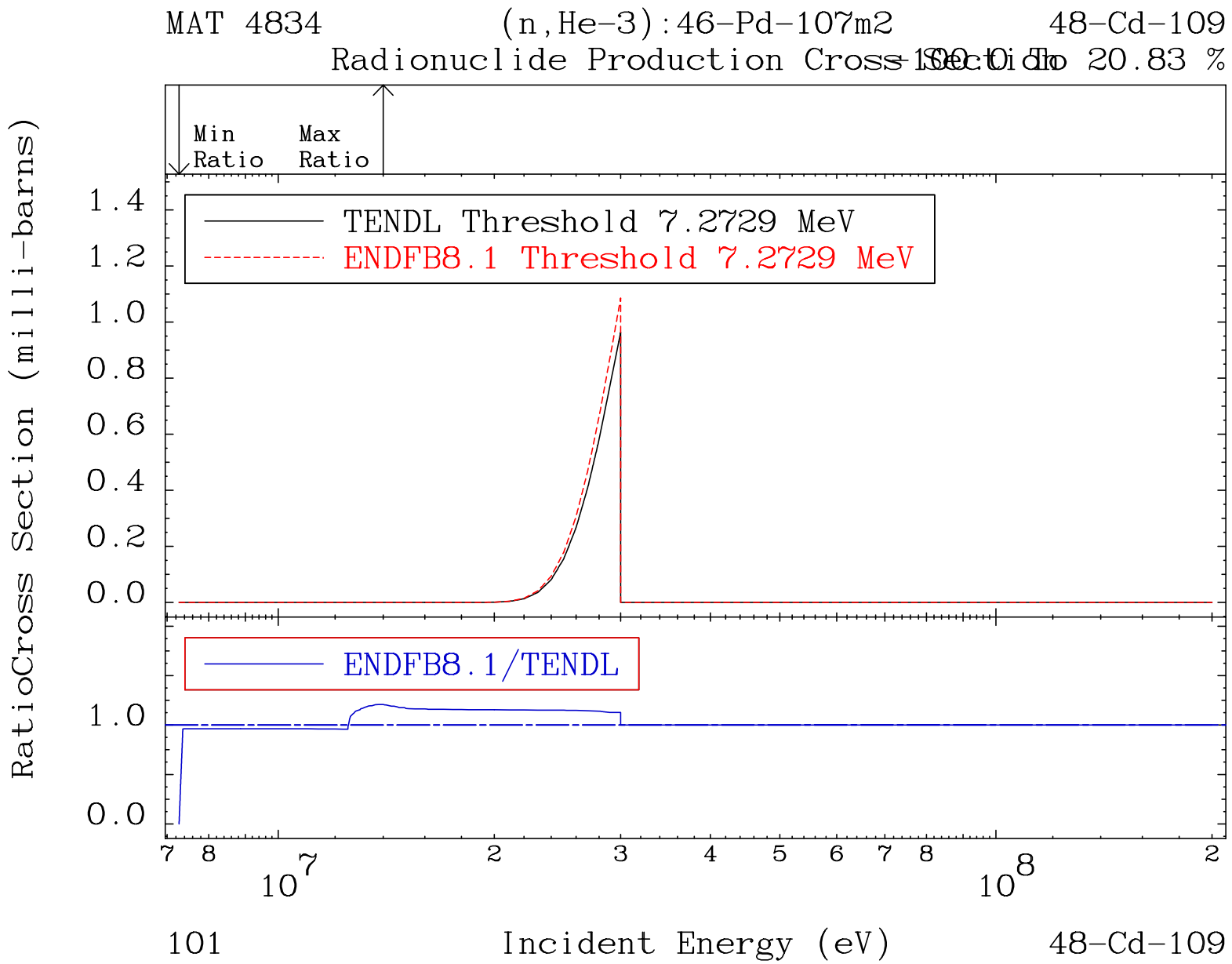

MAT 4834
(n,d):47-Ag-108g
48-Cd-109
Radionuclide Production Cross Section
Uncertainty 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 6.0172 MeV
ENDFB8.1 Threshold 6.0172 MeV
ENDFB8.1/TENDL
RatioCross Section (milli-barns)
12
8
4
0
1.2
0.6
0.0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
96
Incident Energy (eV)
48-Cd-109

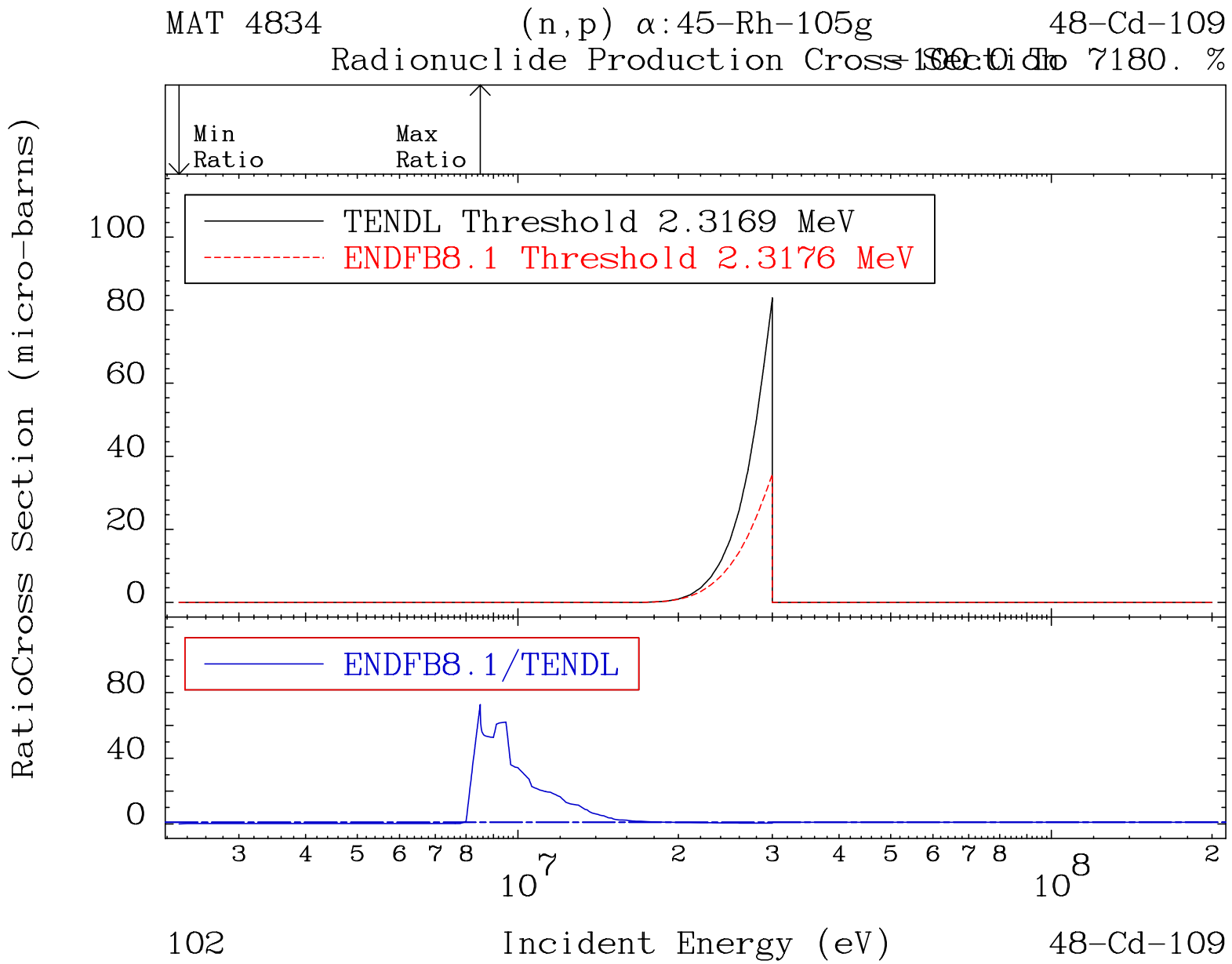

MAT 4834
(n,d):47-Ag-108m2
48-Cd-109
Radionuclide Production Cross Section To 155.1 %
Min Ratio
Max Ratio
TENDL Threshold 6.1276 MeV
ENDFB8.1 Threshold 6.1276 MeV
ENDFB8.1/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
97
48-Cd-109

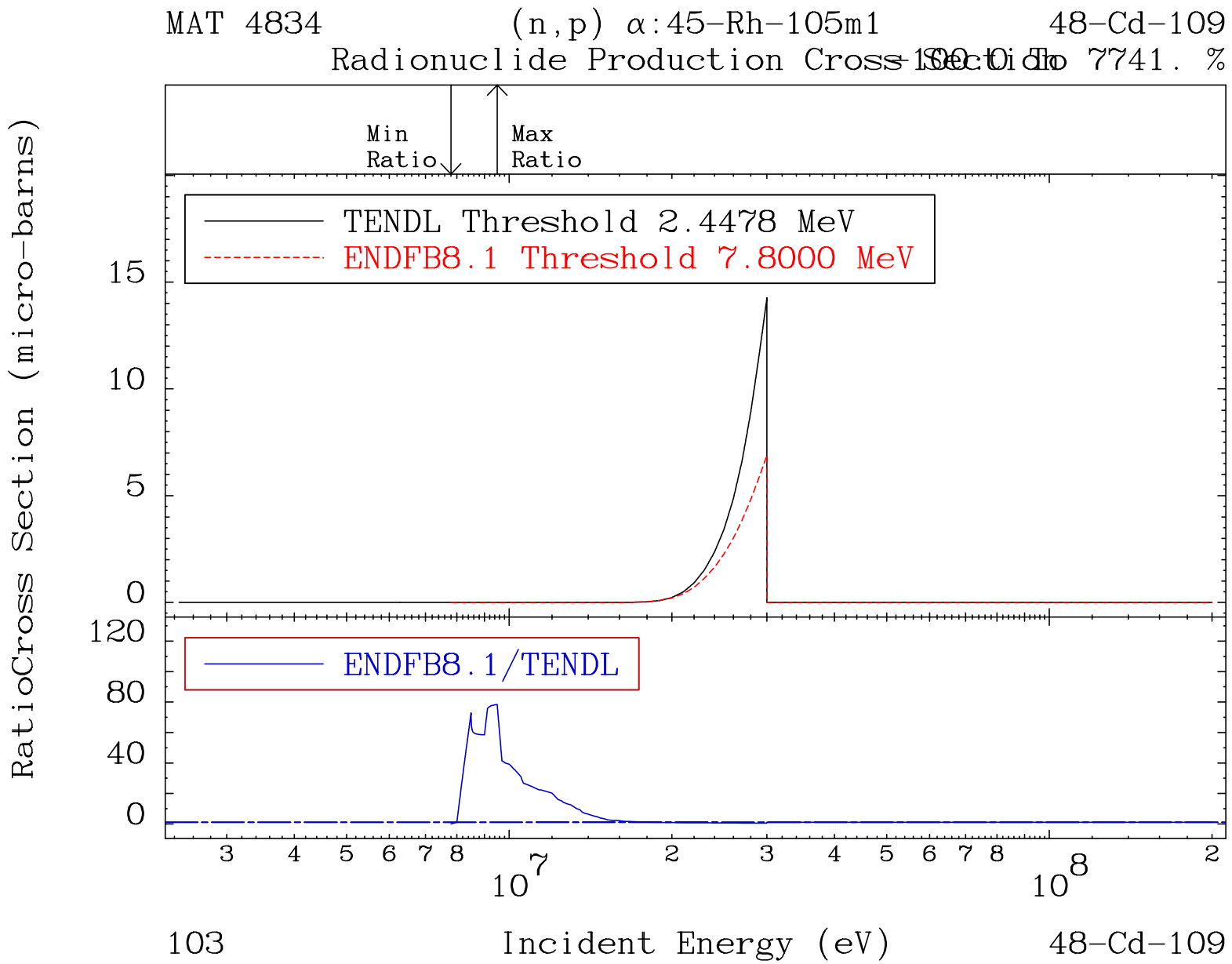

MAT 4834
(n,t):47-Ag-107g
48-Cd-109
Radionuclide Production Cross Section
Uncertainty 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 7.0407 MeV
ENDFB8.1 Threshold 7.0407 MeV
ENDFB8.1/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
1.2
0.6
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
98
Incident Energy (eV)
48-Cd-109

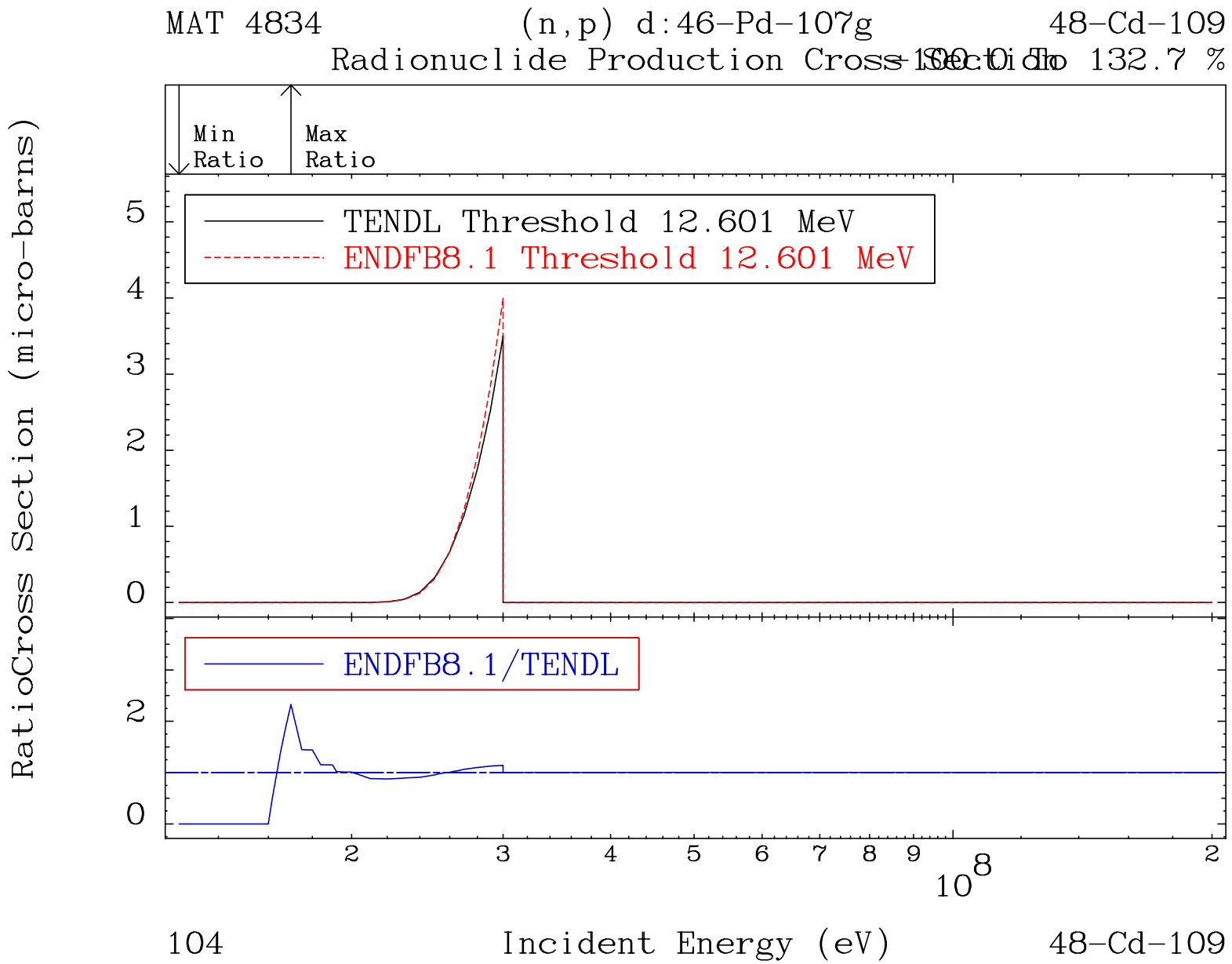

MAT 4834
(n,t):47-Ag-107m1
48-Cd-109
Radionuclide Production Cross Section To 13.84 %
Min Ratio
Max Ratio
TENDL Threshold 7.1347 MeV
ENDFB8.1 Threshold 7.1347 MeV
ENDFB8.1/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
99
48-Cd-109

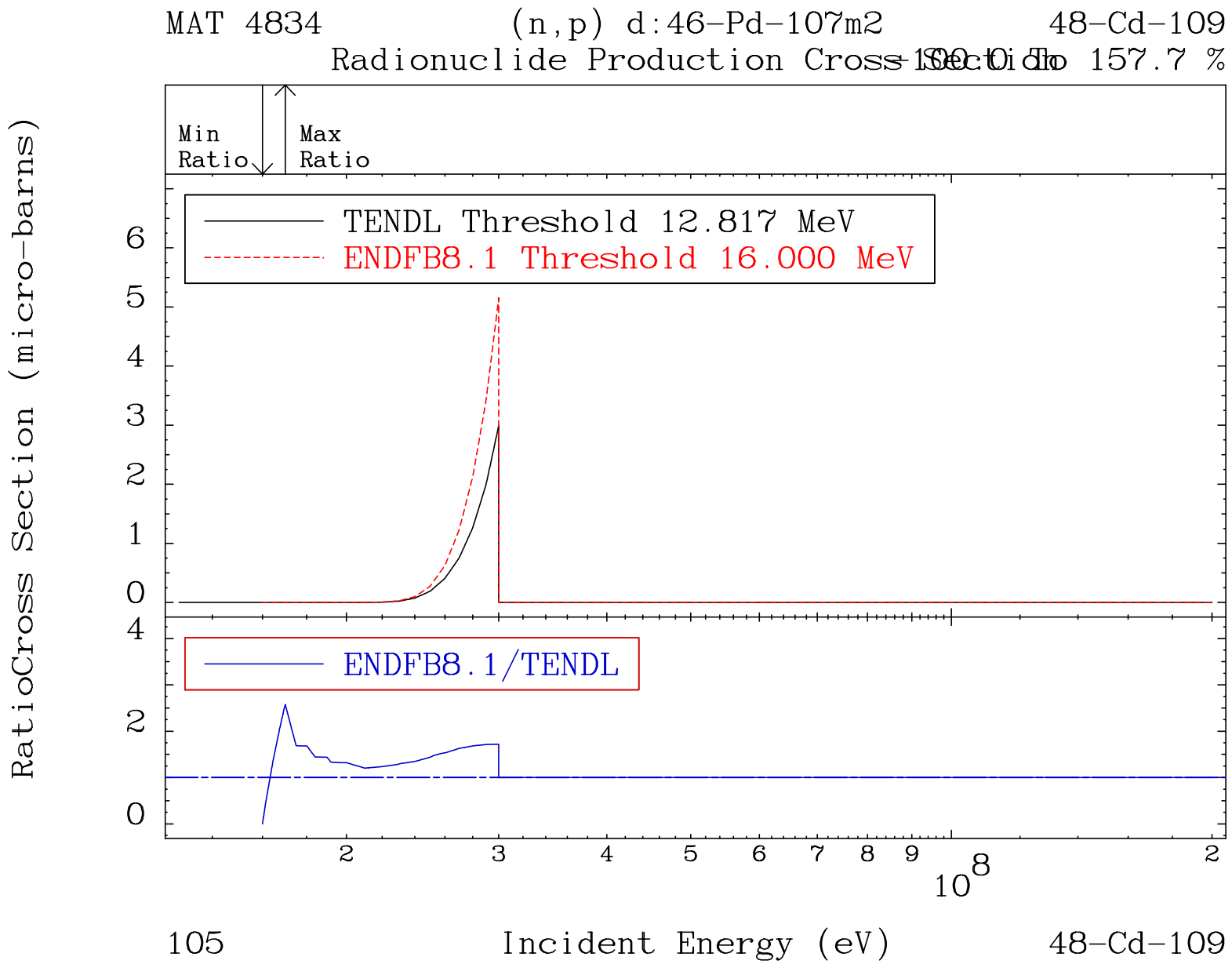

MAT 4834
(n,He-3):46-Pd-107g
48-Cd-109
Radionuclide Production Cross Section
Uncertainty 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 7.0563 MeV
ENDFB8.1 Threshold 7.0563 MeV
ENDFB8.1/TENDL
RatioCross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
100
Incident Energy (eV)
48-Cd-109

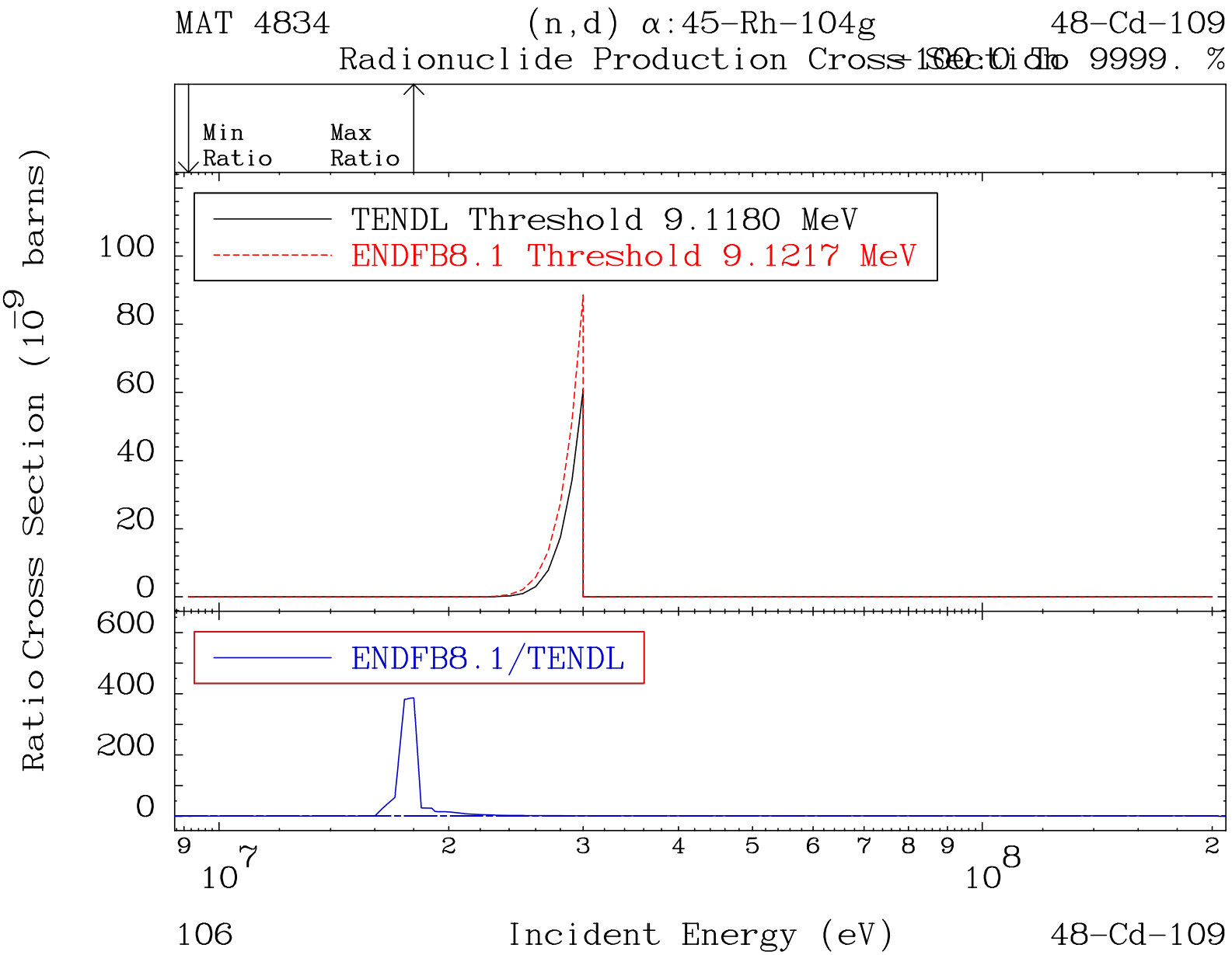

MAT 4834
(n,He-3):46-Pd-107m2
48-Cd-109
Radionuclide Production Cross Section To 20.83 %
Min Ratio
Max Ratio
TENDL Threshold 7.2729 MeV
ENDFB8.1 Threshold 7.2729 MeV
ENDFB8.1/TENDL
RatioCross Section (milli-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1.0
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
101
Incident Energy (eV)
48-Cd-109

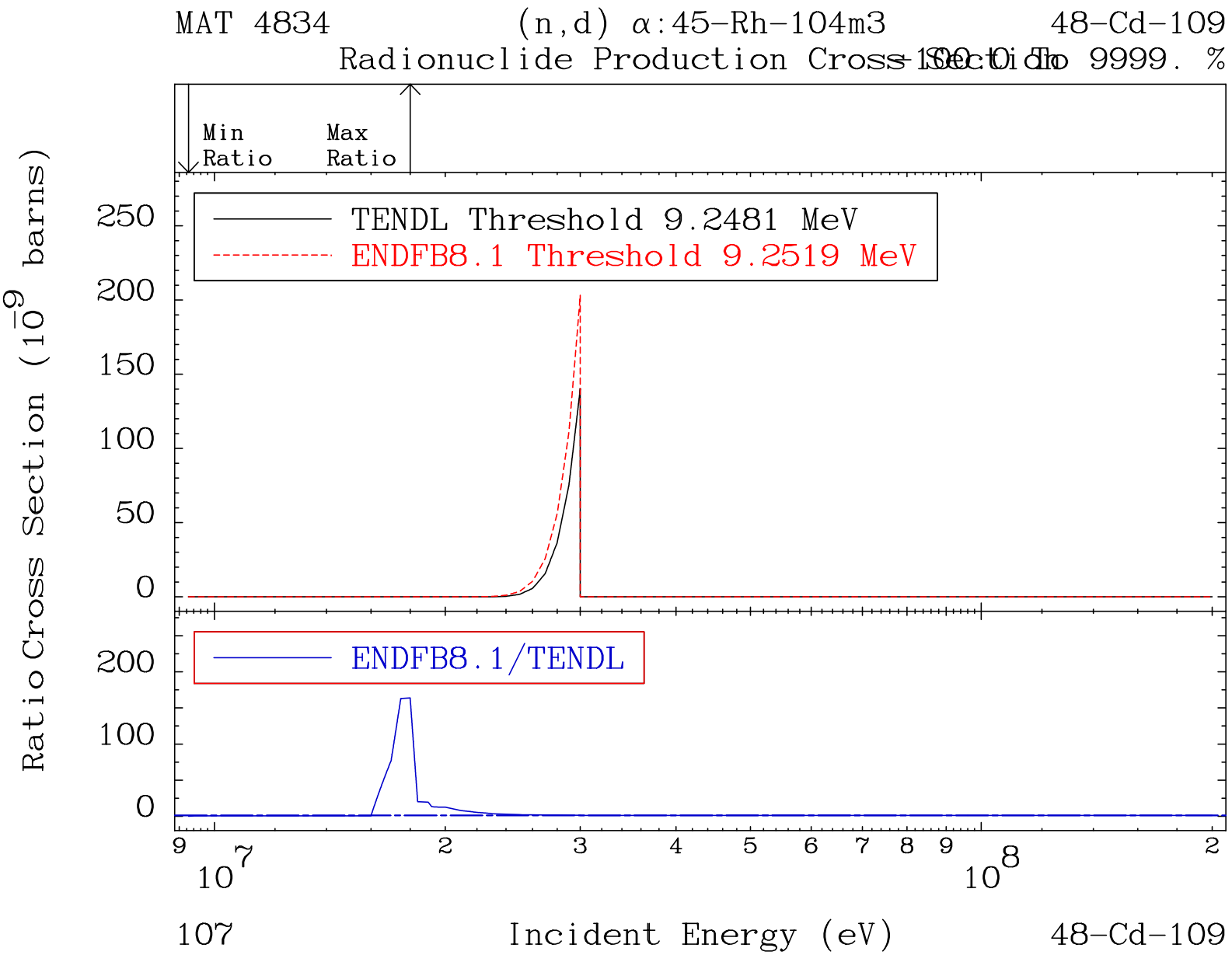

MAT 4834
(n,p) α:45-Rh-105g
48-Cd-109
Radionuclide Production Cross Section To 7180. %
Min Ratio
Max Ratio
TENDL Threshold 2.3169 MeV
ENDFB8.1 Threshold 2.3176 MeV
ENDFB8.1/TENDL
RatioCross Section (micro-barns)
100
80
60
40
20
0
80
40
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
102
Incident Energy (eV)
48-Cd-109


MAT 4834
(n,p) α:45-Rh-105m1
48-Cd-109
Radionuclide Production Cross Section To 7741. %
Min Ratio
Max Ratio
TENDL Threshold 2.4478 MeV
ENDFB8.1 Threshold 7.8000 MeV
ENDFB8.1/TENDL
RatioCross Section (micro-barns)
15
10
5
0
120
80
40
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
103
Incident Energy (eV)
48-Cd-109


MAT 4834
(n,p) d:46-Pd-107g
48-Cd-109
Radionuclide Production Cross Section To 132.7 %
Min Ratio
Max Ratio
TENDL Threshold 12.601 MeV
ENDFB8.1 Threshold 12.601 MeV
ENDFB8.1/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
104
48-Cd-109


MAT 4834
(n,p) d:46-Pd-107m2
48-Cd-109
Radionuclide Production Cross Section To 157.7 %
Min Ratio
Max Ratio
TENDL Threshold 12.817 MeV
ENDFB8.1 Threshold 16.000 MeV
ENDFB8.1/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
105
48-Cd-109


MAT 4834
(n,d) α:45-Rh-104g
48-Cd-109
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 9.1180 MeV
ENDFB8.1 Threshold 9.1217 MeV
ENDFB8.1/TENDL
Ratio Cross Section (10^{-9} barns)
100
80
60
40
20
0
600
400
200
0
9
10^{7}
2
3
4
5
6
7
8
9
10^{8}
2
106
Incident Energy (eV)
48-Cd-109


MAT 4834
(n,d) α:45-Rh-104m3
48-Cd-109
Radionuclide Production Cross Section
100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 9.2481 MeV
ENDFB8.1 Threshold 9.2519 MeV
ENDFB8.1/TENDL
Ratio Cross Section (10^-9 barns)
250
200
150
100
50
0
200
100
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
107
Incident Energy (eV)
48-Cd-109