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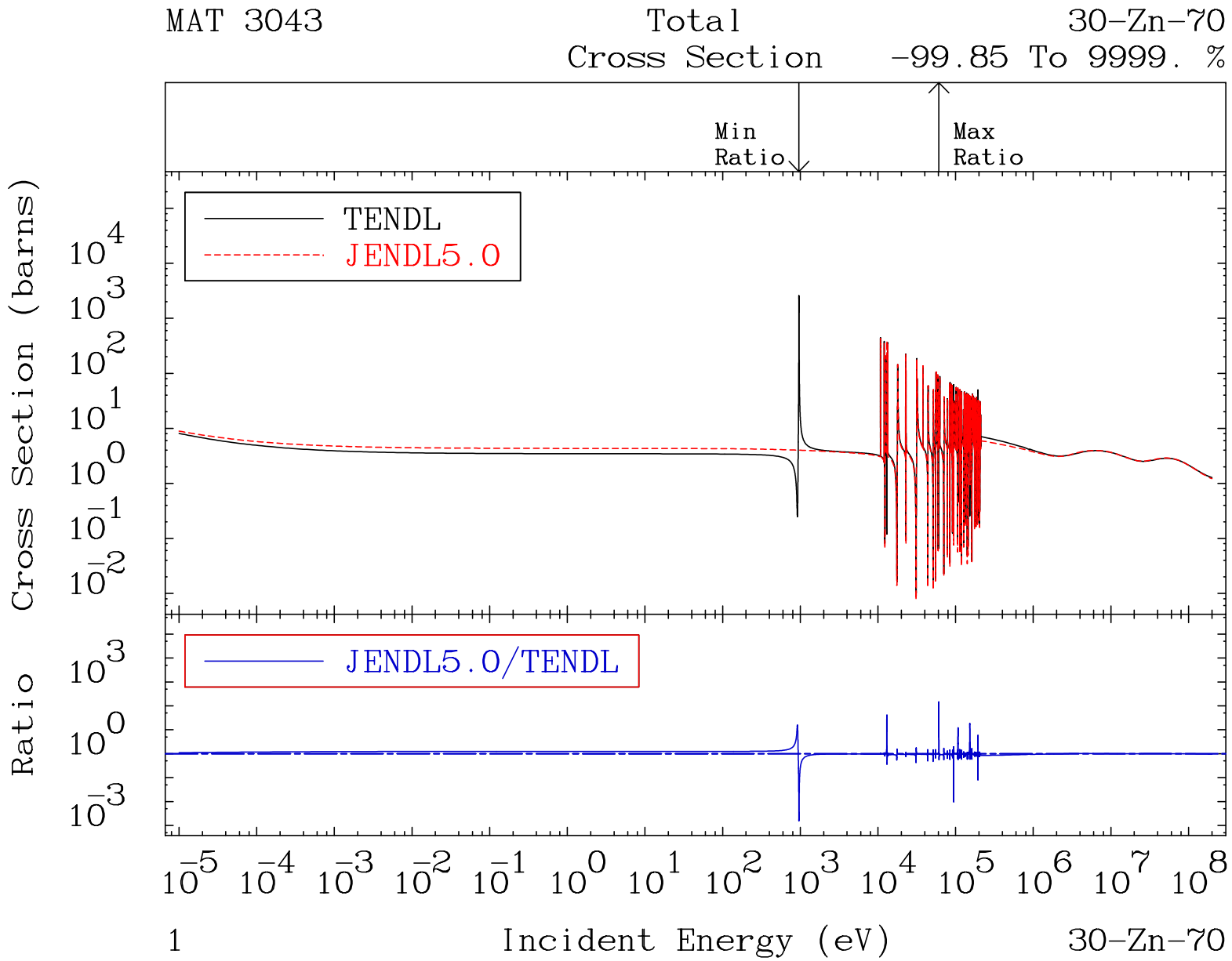
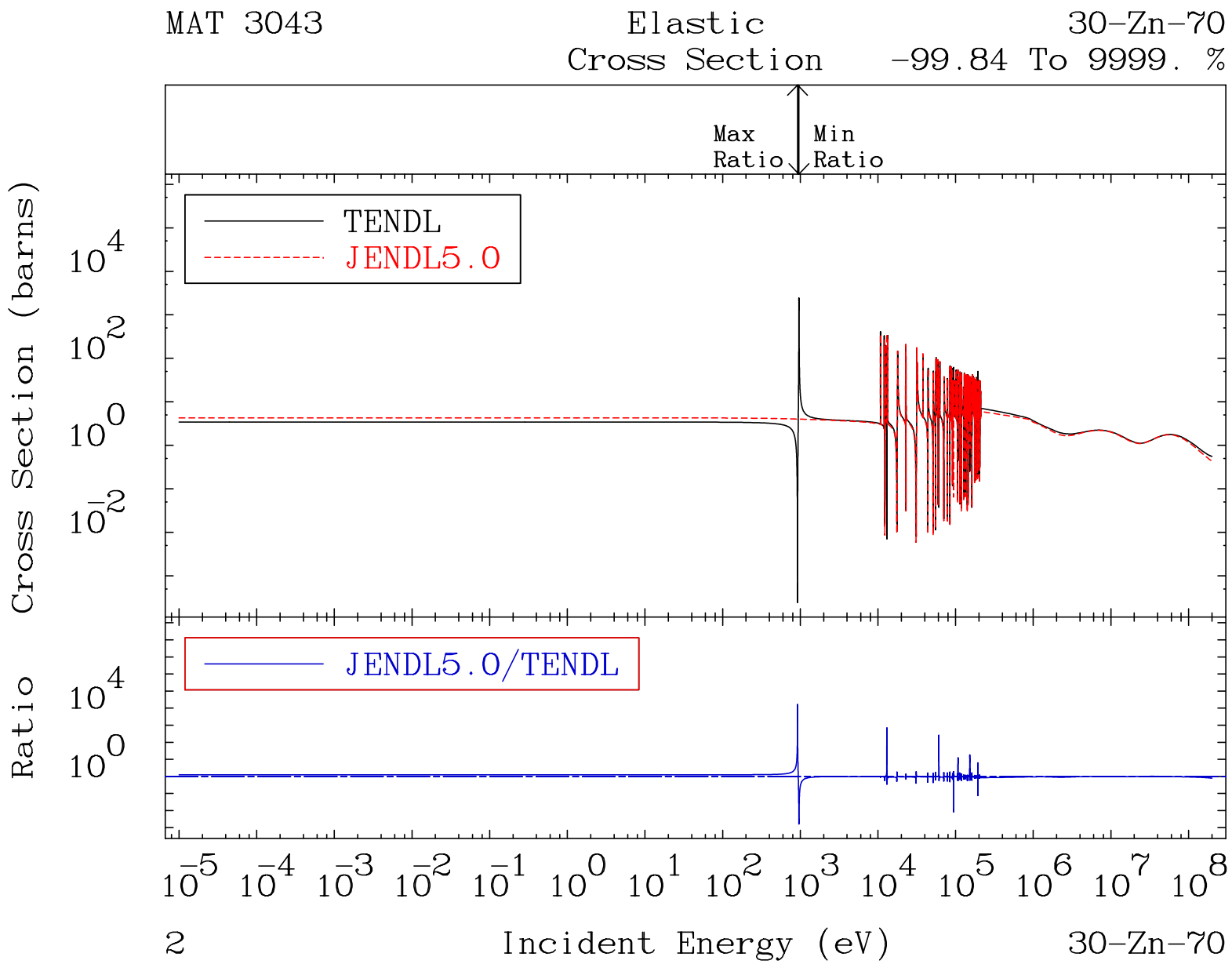
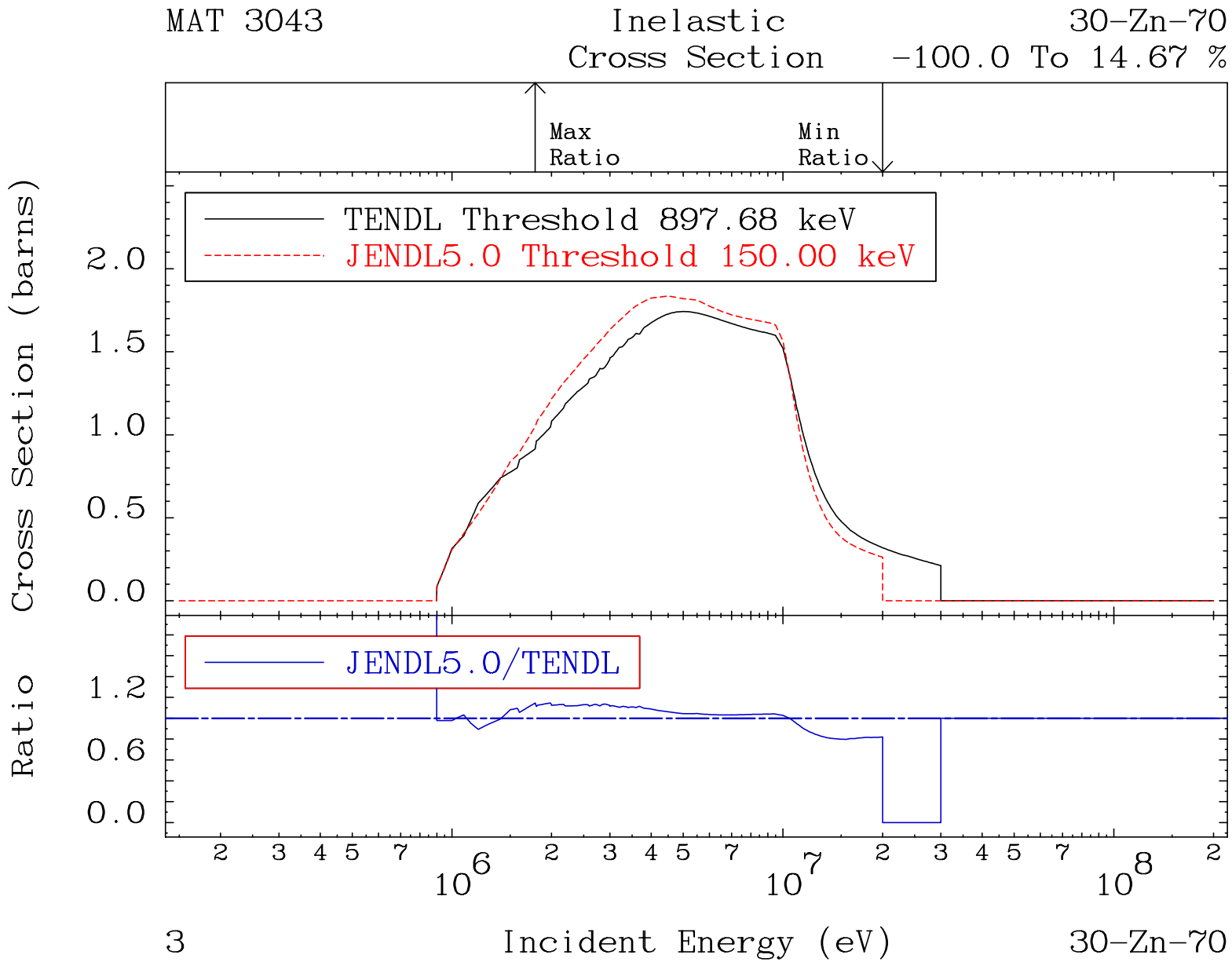
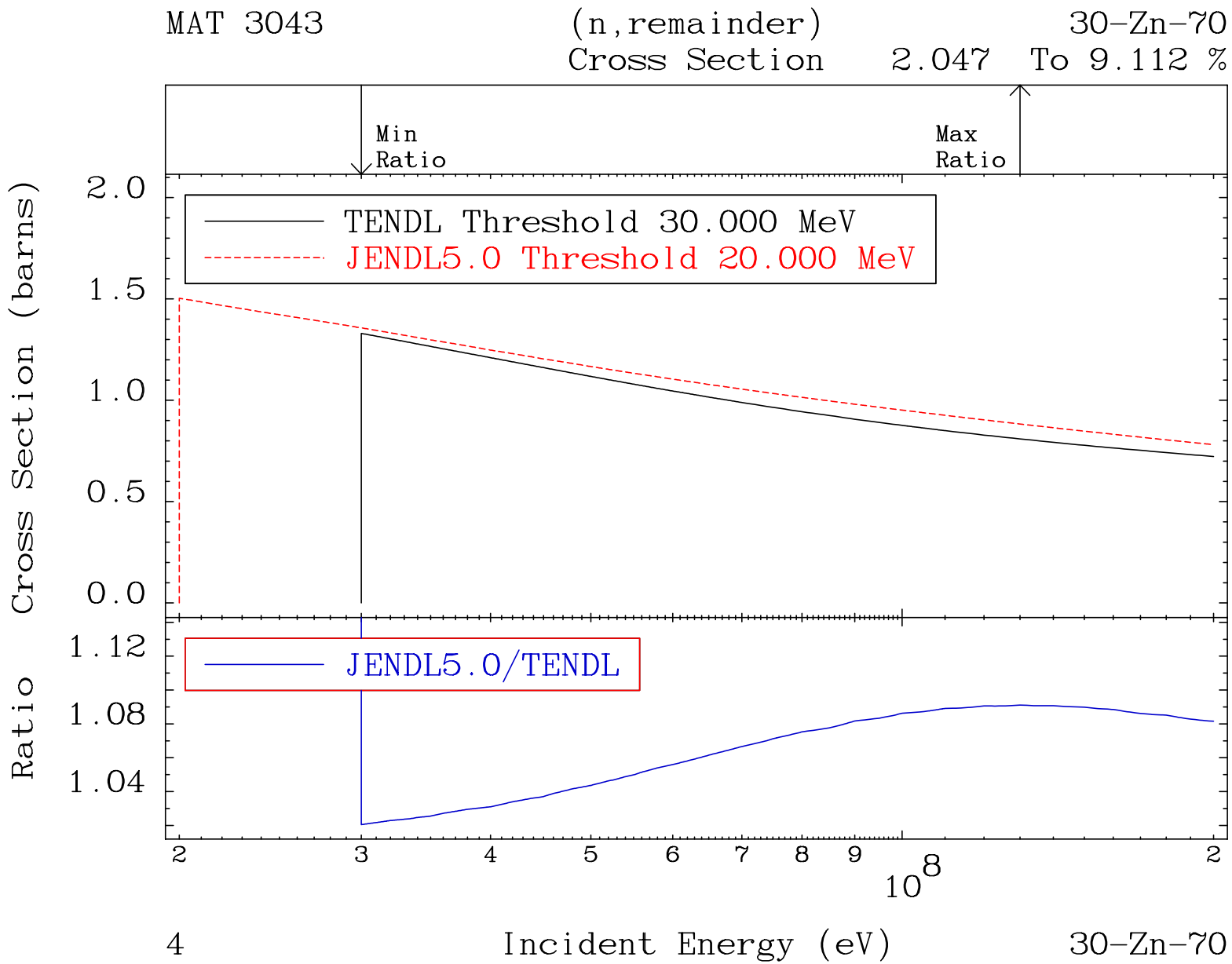
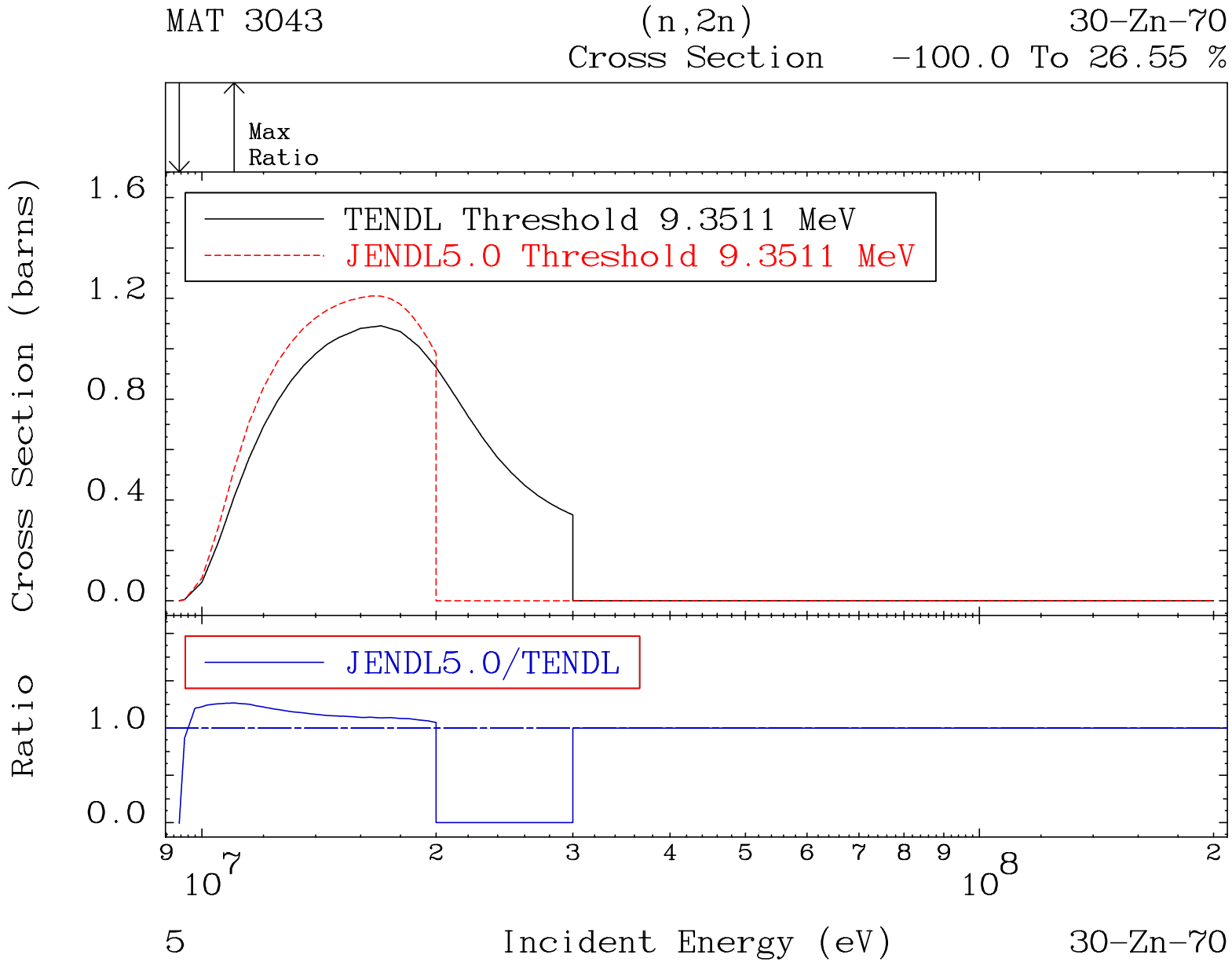
Press Mouse Button to Start

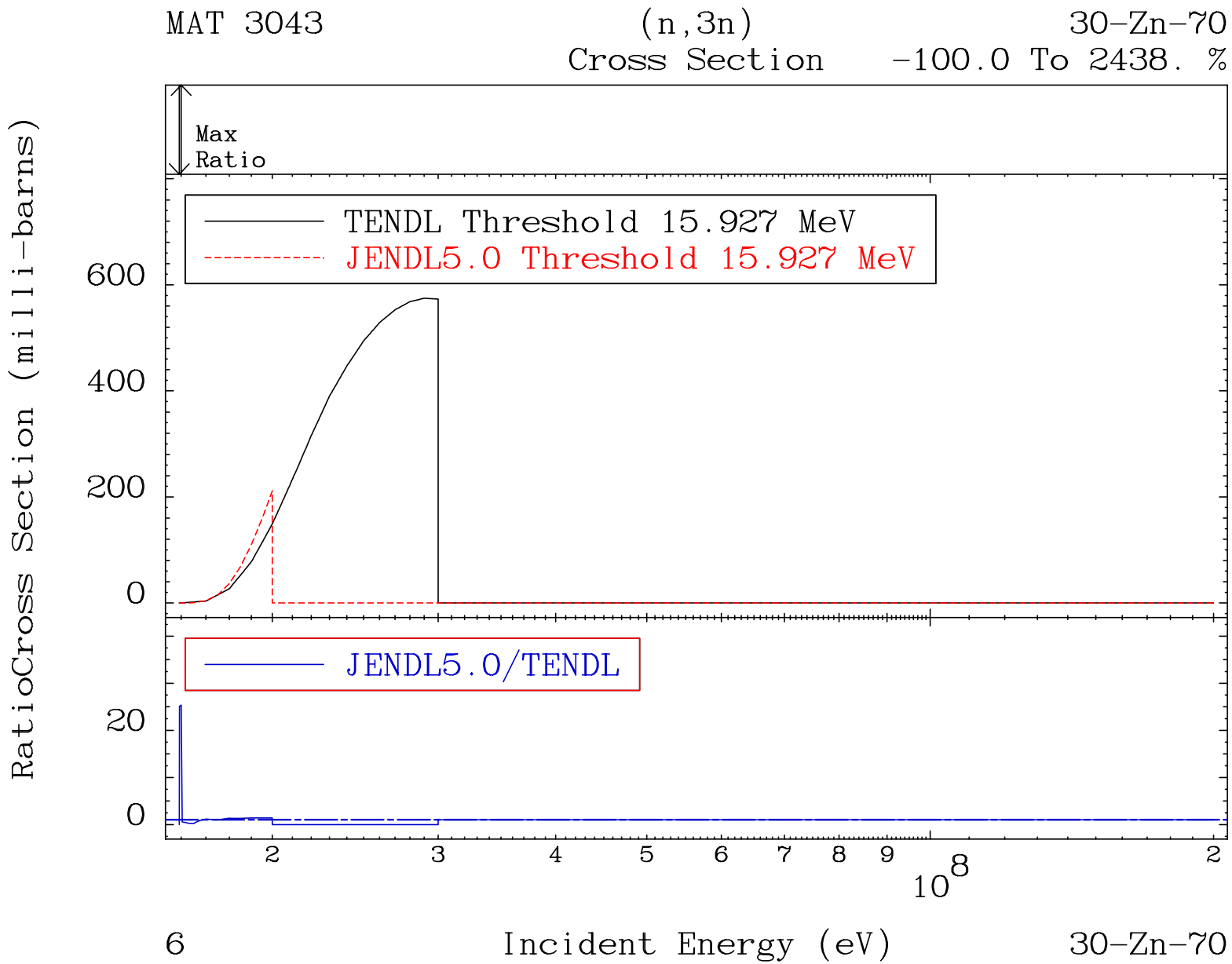

MAT 3043
Total
Cross Section
30-Zn-70
-99.85 To 9999. %
Min
Ratio
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
1
30-Zn-70

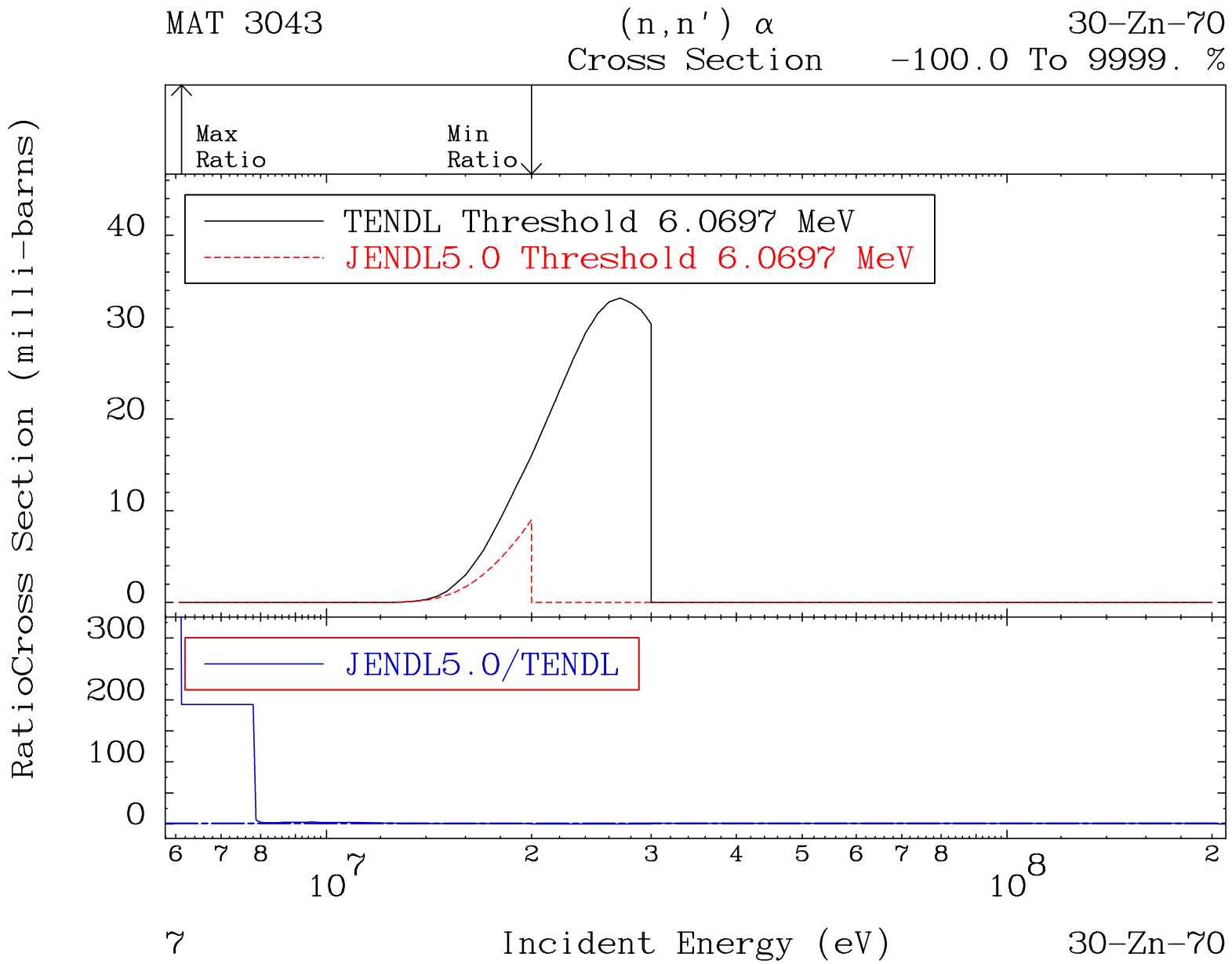

MAT 3043
Elastic
Cross Section
30-Zn-70
-99.84 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
30-Zn-70

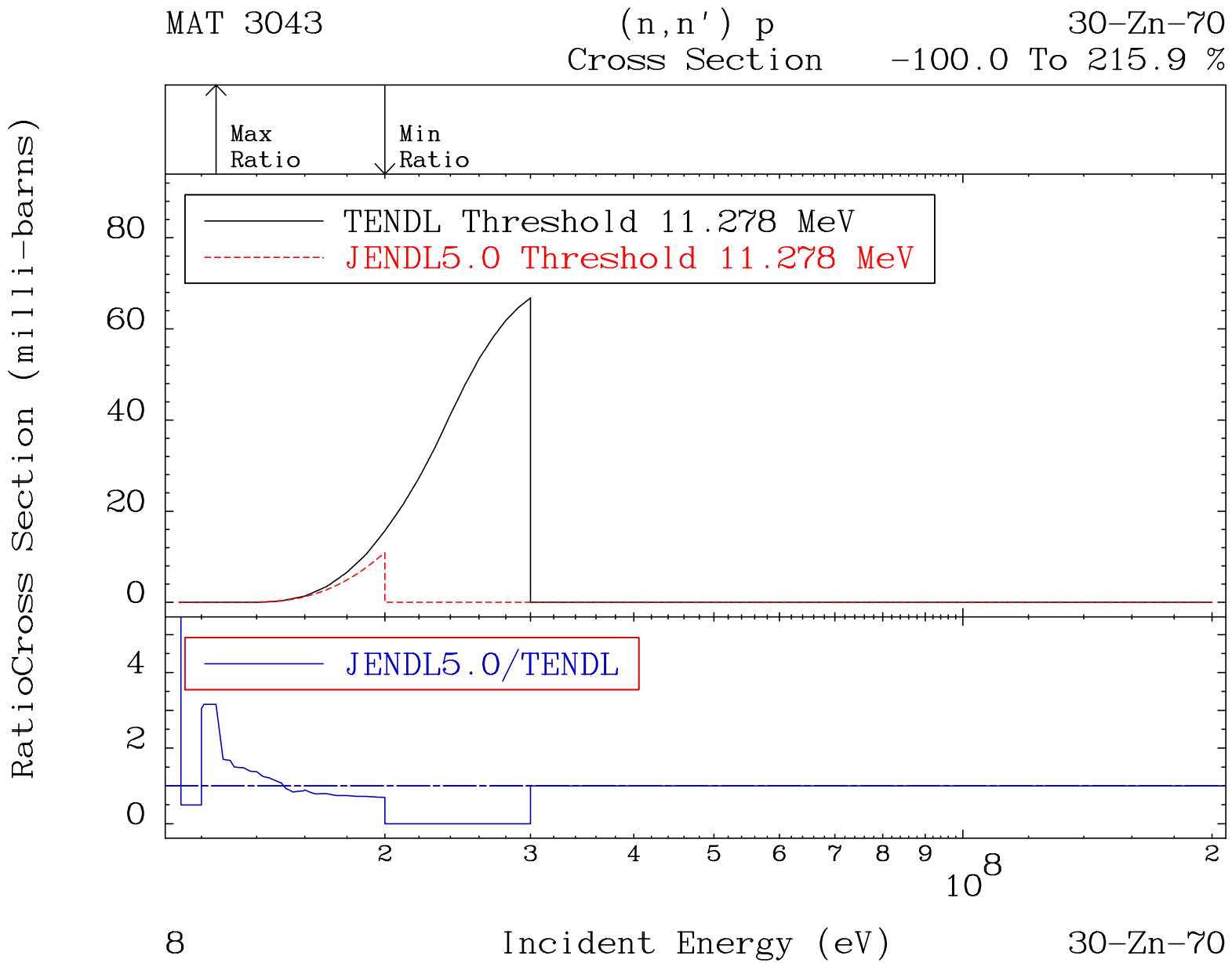

MAT 3043
Inelastic
Cross Section
30-Zn-70
-100.0 To 14.67 %
Max
Ratio
Min
Ratio
TENDL Threshold 897.68 keV
JENDL5.0 Threshold 150.00 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
1.2
0.6
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
3
Incident Energy (eV)
30-Zn-70

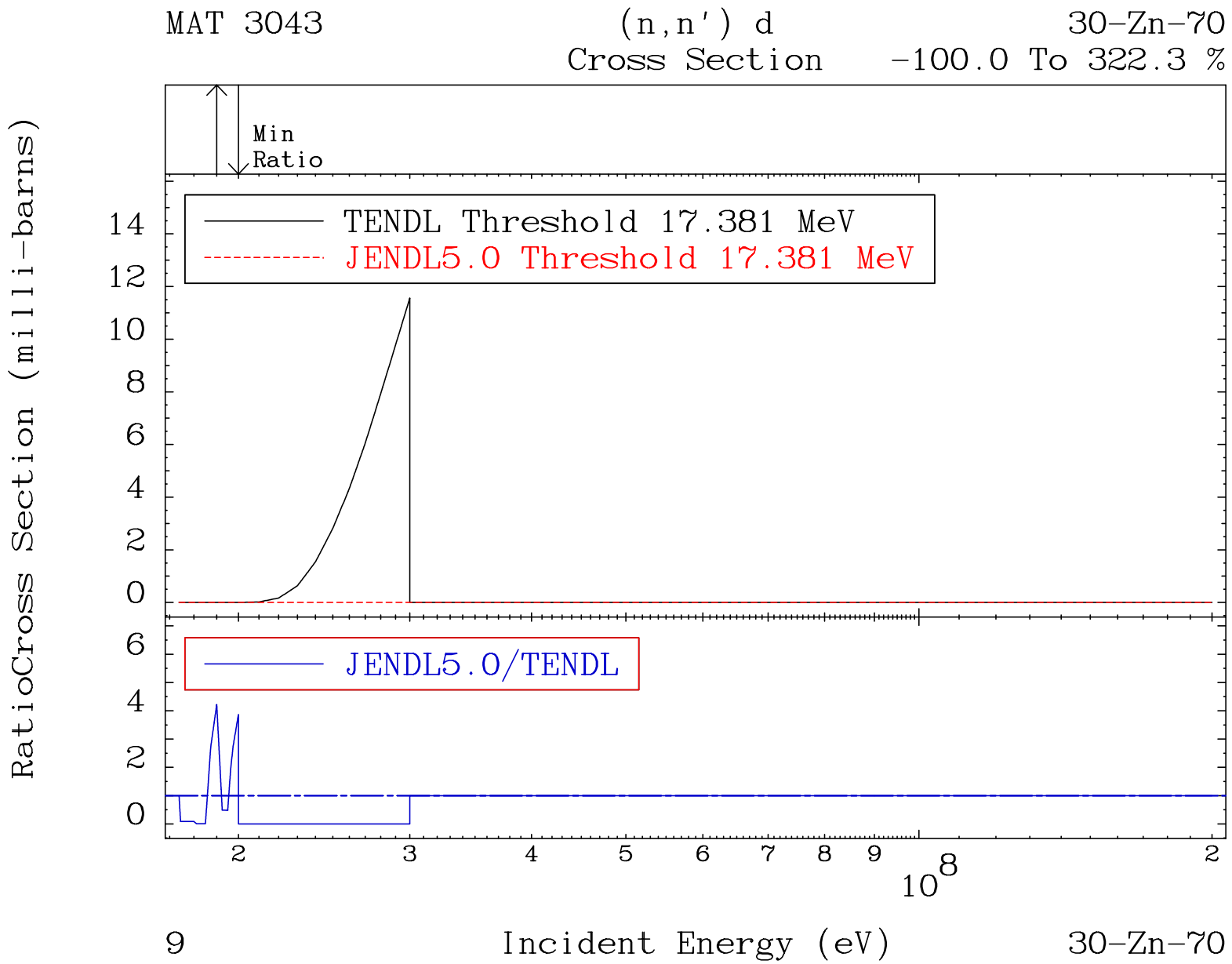

MAT 3043
(n,remainder)
30-Zn-70
Cross Section 2.047 To 9.112 %
Min Ratio
Max Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.12
1.08
1.04
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
30-Zn-70

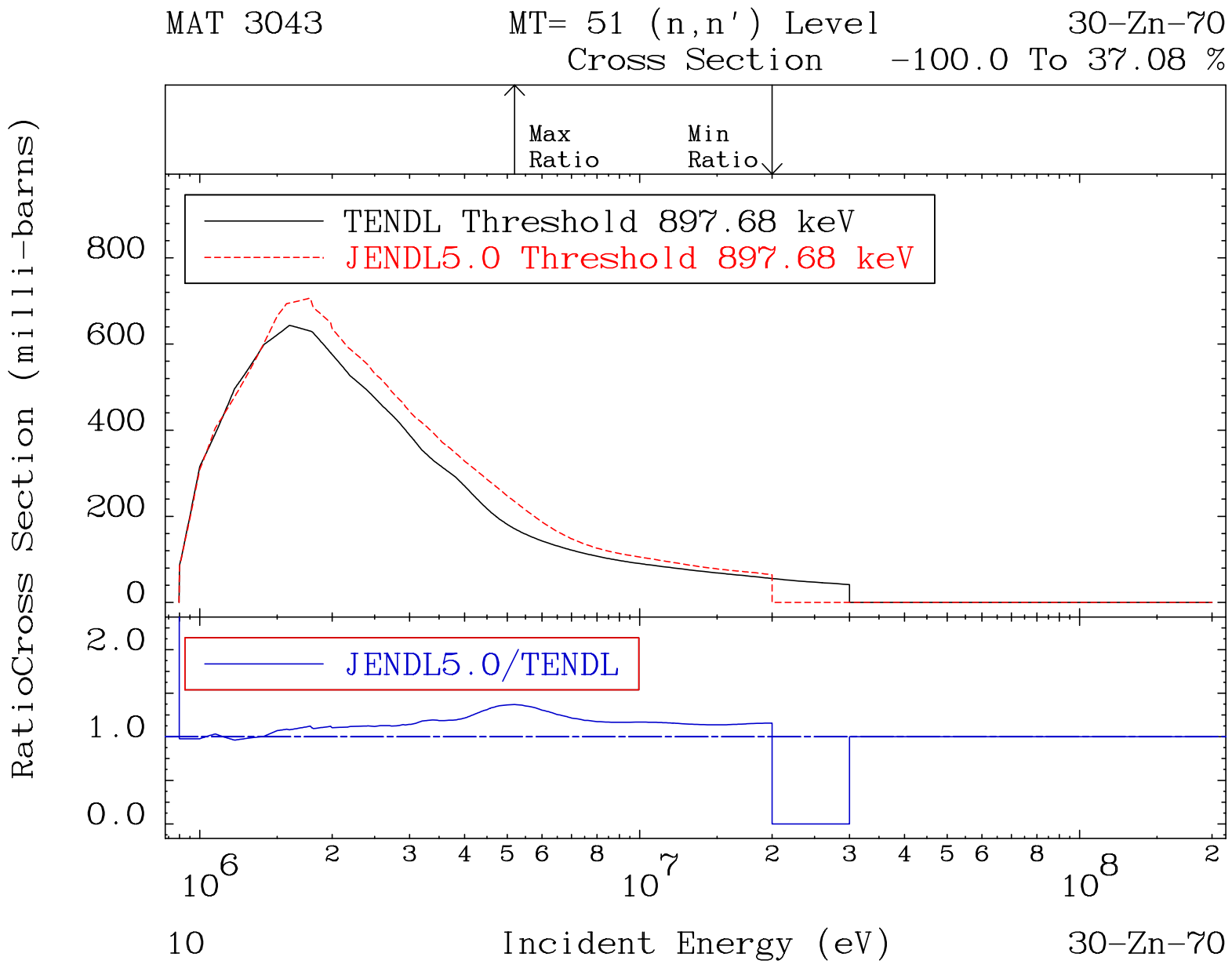

MAT 3043
(n,2n)
Cross Section
30-Zn-70
-100.0 To 26.55 %
Max
Ratio
TENDL Threshold 9.3511 MeV
JENDL5.0 Threshold 9.3511 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
30-Zn-70

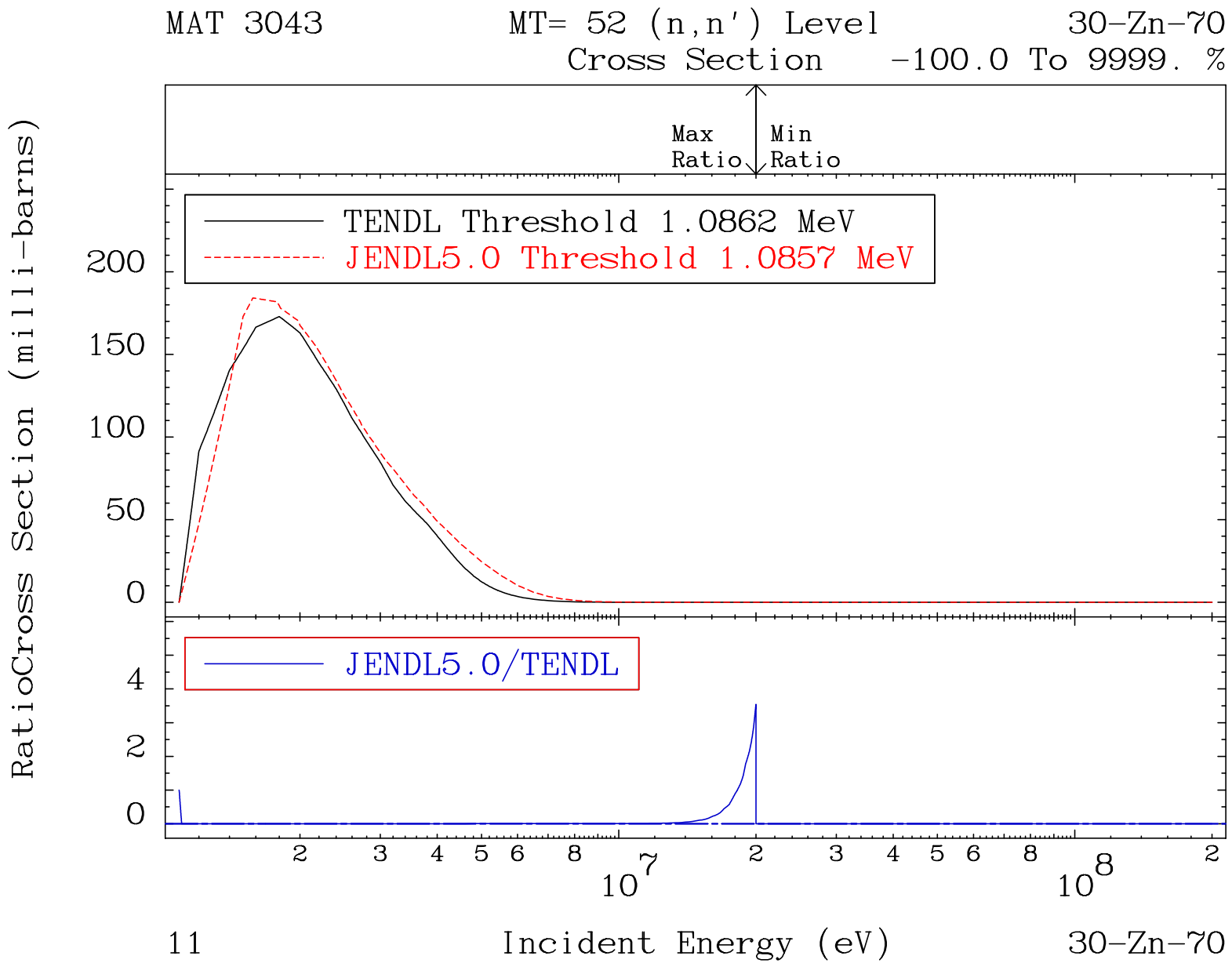

MAT 3043
(n,3n)
Cross Section
30-Zn-70
-100.0 To 2438. %
Max
Ratio
TENDL Threshold 15.927 MeV
JENDL5.0 Threshold 15.927 MeV
600
400
200
0
JENDL5.0/TENDL
20
0
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (milli-barns)
6
Incident Energy (eV)
30-Zn-70

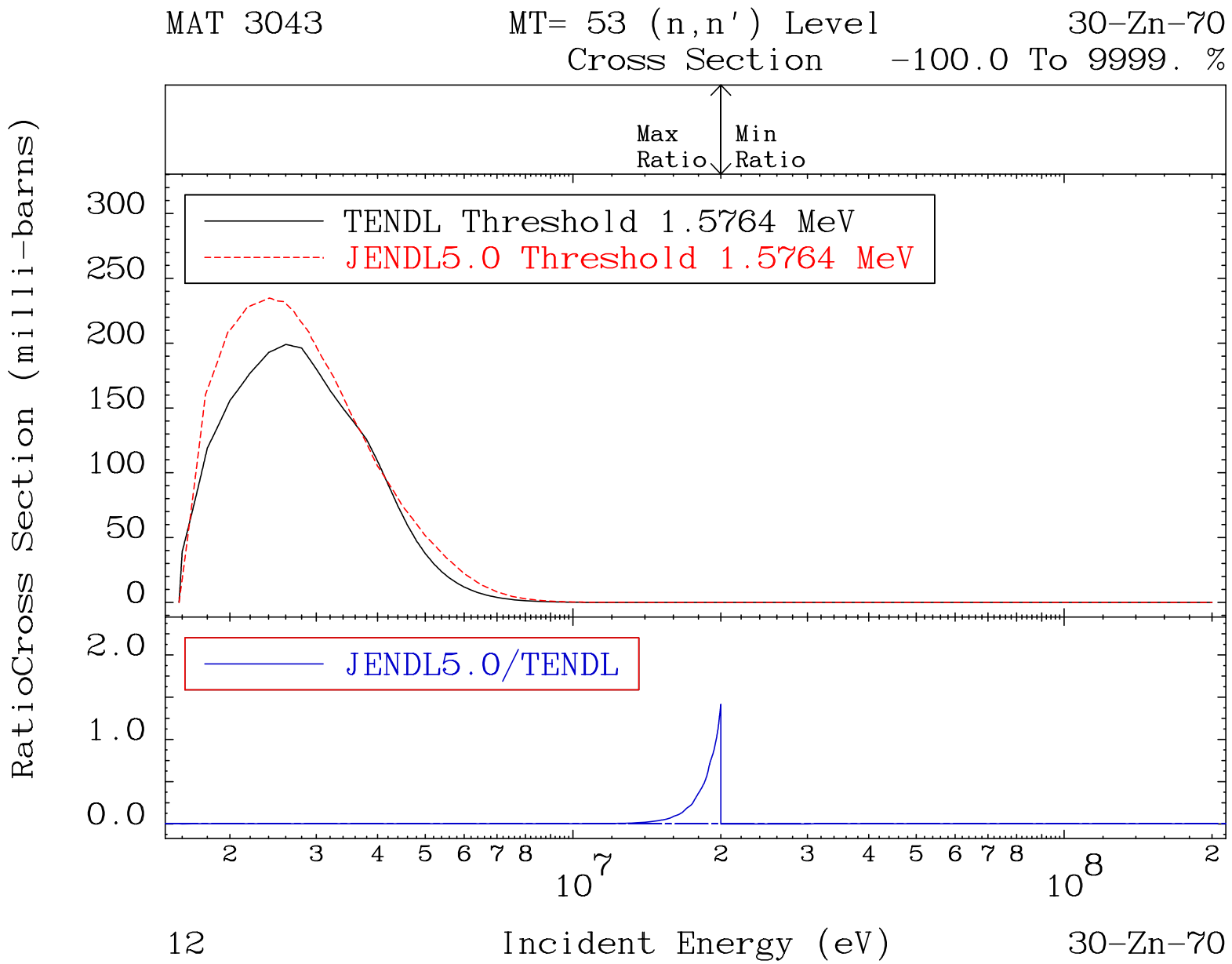

MAT 3043
(n,n') α
Cross Section
30-Zn-70
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.0697 MeV
JENDL5.0 Threshold 6.0697 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
300
200
100
0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
7
Incident Energy (eV)
30-Zn-70

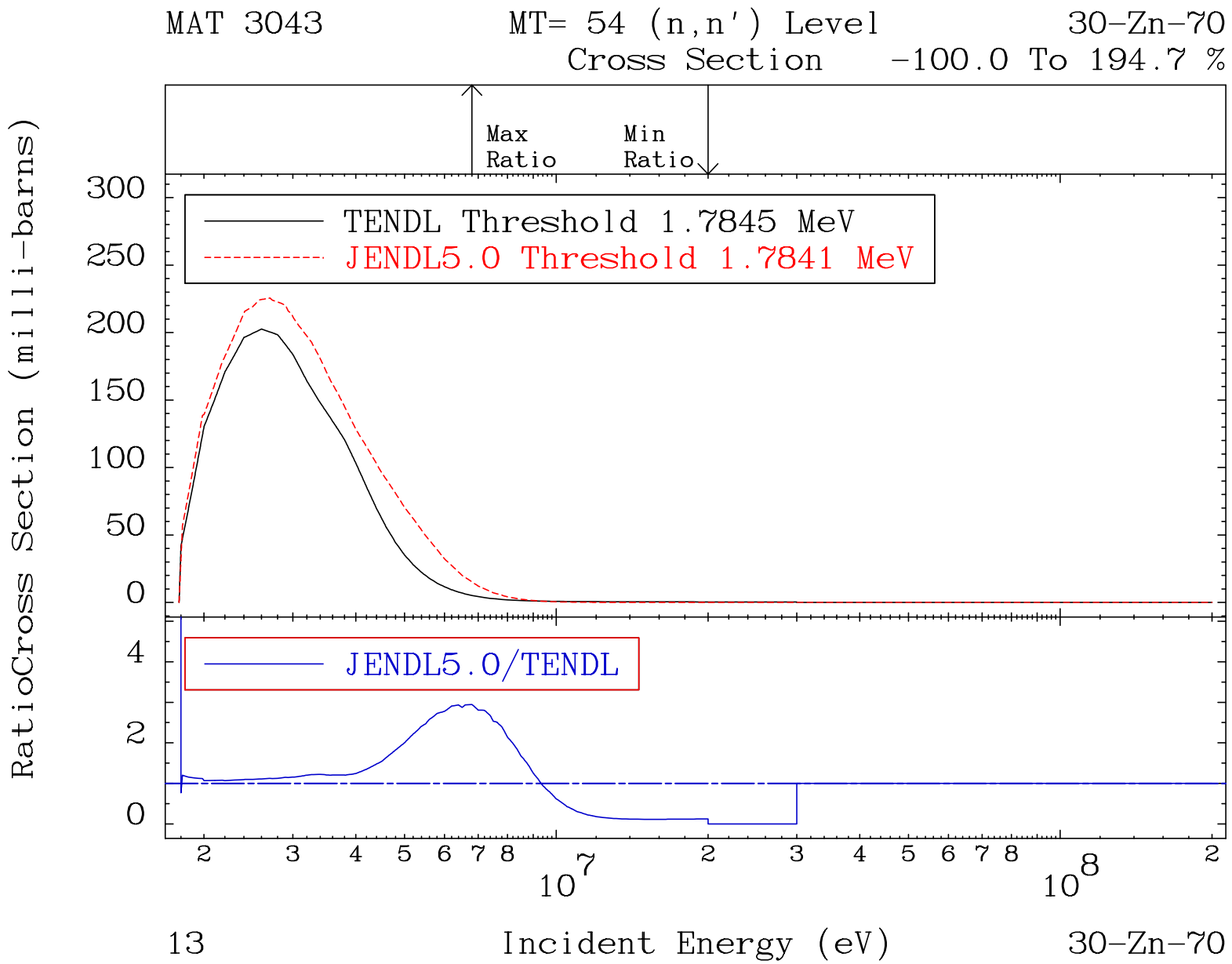

MAT 3043
(n,n') p
Cross Section
30-Zn-70
-100.0 To 215.9 %
Max Ratio
Min Ratio
TENDL Threshold 11.278 MeV
JENDL5.0 Threshold 11.278 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
4
2
0
2
3
4
5
6
7
8
9
2
10^8
8
Incident Energy (eV)
30-Zn-70

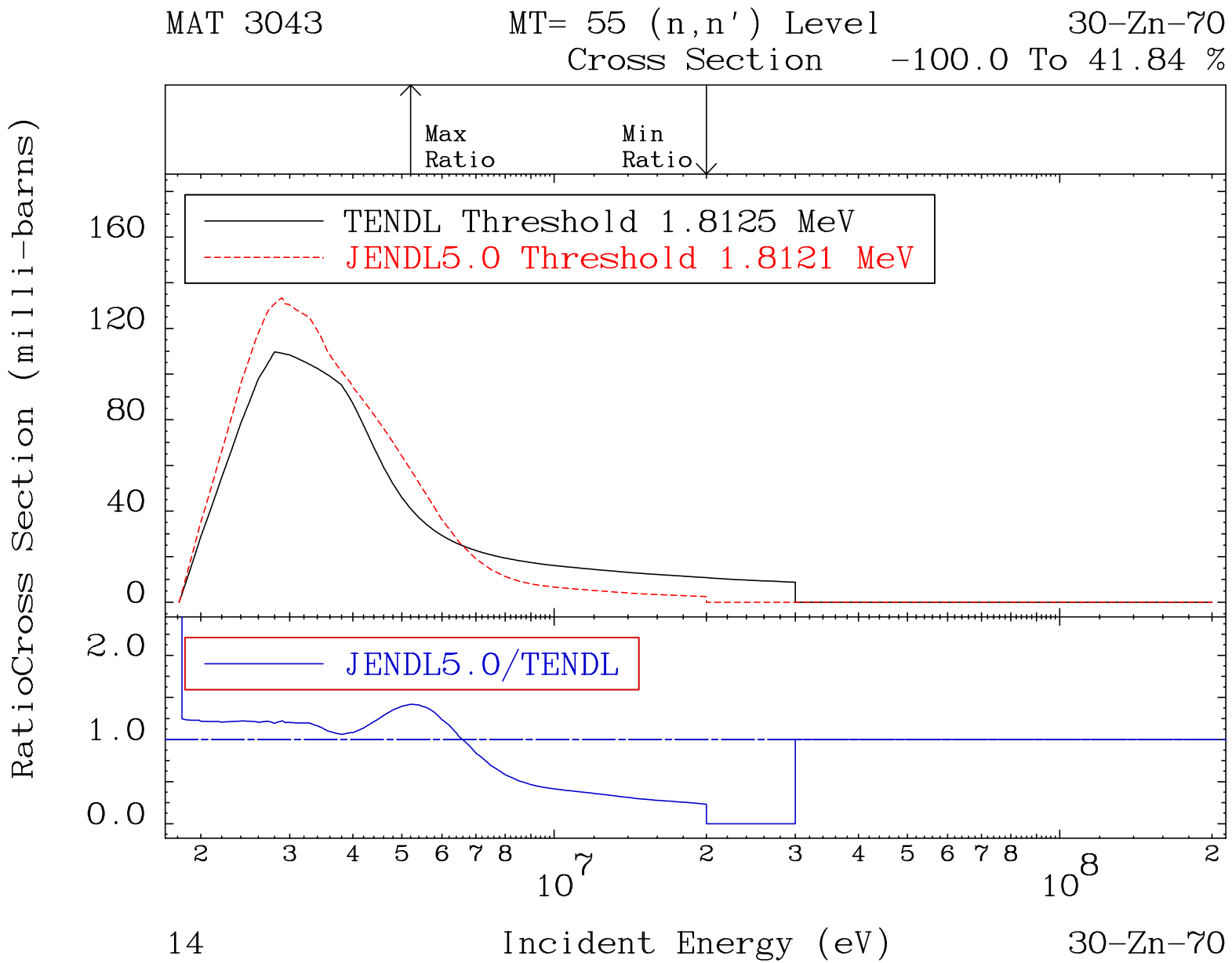

MAT 3043
(n,n') d
Cross Section
30-Zn-70
-100.0 To 322.3 %
Min
Ratio
TENDL Threshold 17.381 MeV
JENDL5.0 Threshold 17.381 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
14
12
10
8
6
4
2
0
6
4
2
0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
30-Zn-70

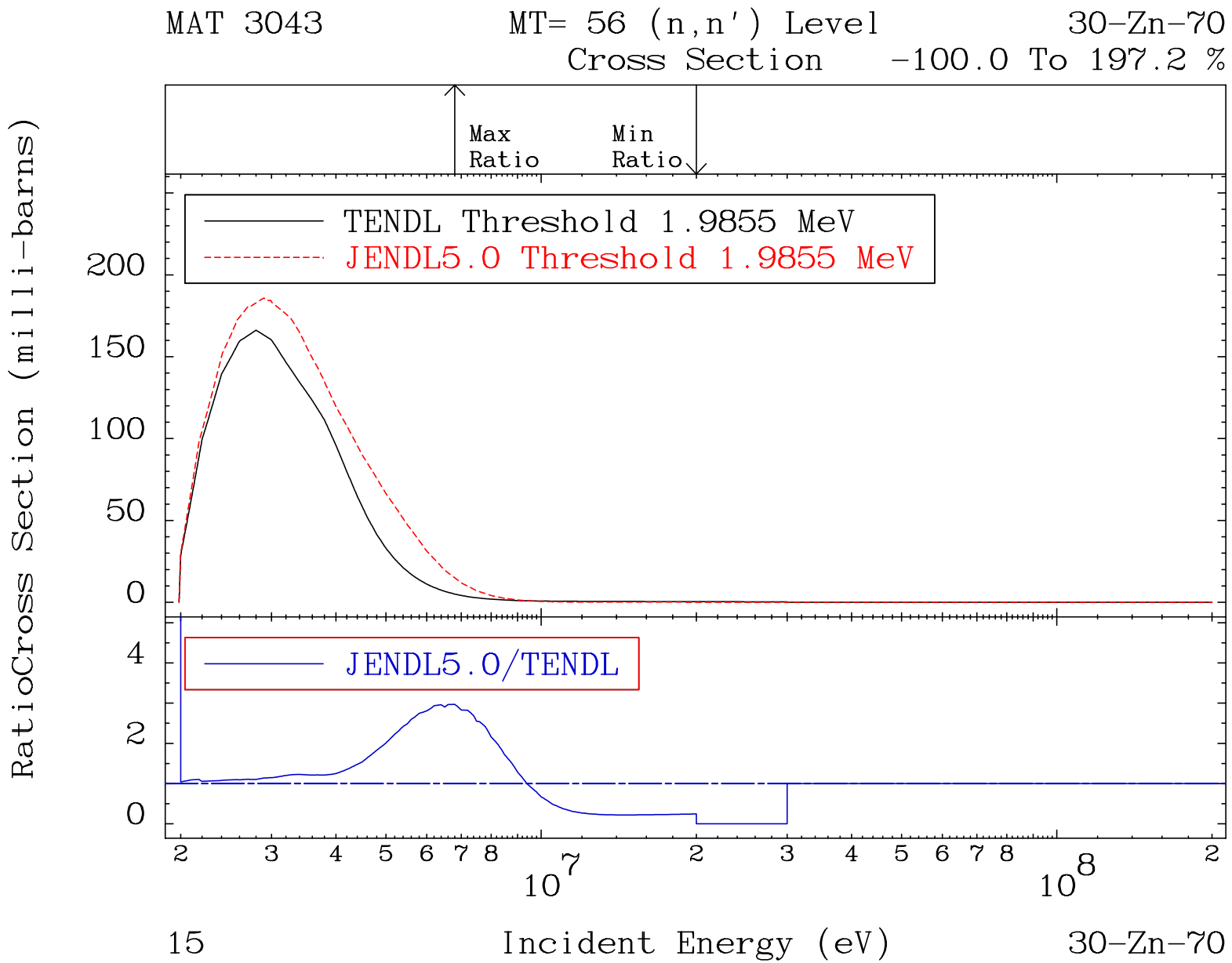

MAT 3043
MT= 51 (n,n') Level
30-Zn-70
Cross Section
-100.0 To 37.08 %
Max Ratio
Min Ratio
TENDL Threshold 897.68 keV
JENDL5.0 Threshold 897.68 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
2.0
1.0
0.0
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
10
Incident Energy (eV)
30-Zn-70

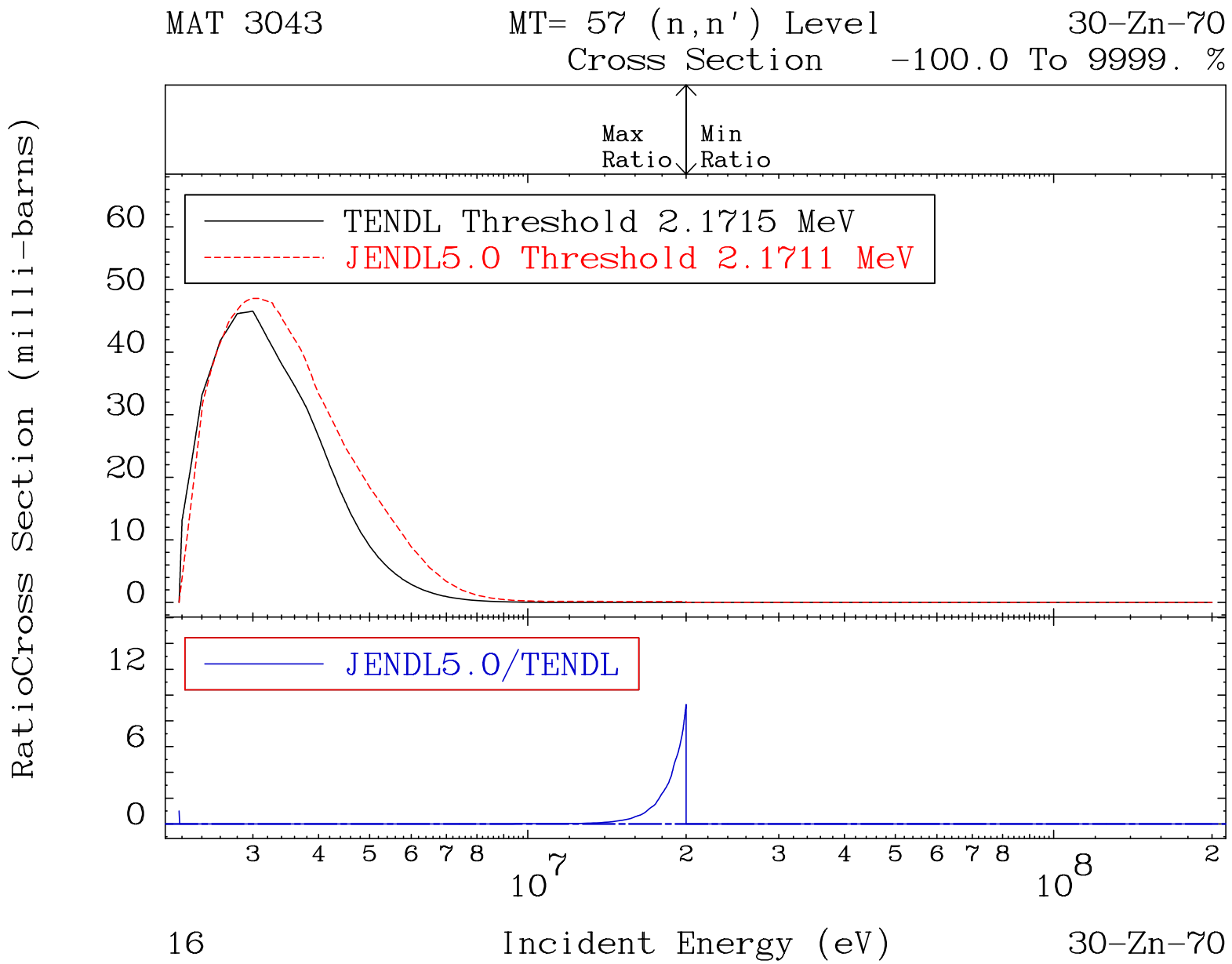

MAT 3043
MT= 52 (n,n') Level
30-Zn-70
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.0862 MeV
JENDL5.0 Threshold 1.0857 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
4
2
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
11
Incident Energy (eV)
30-Zn-70

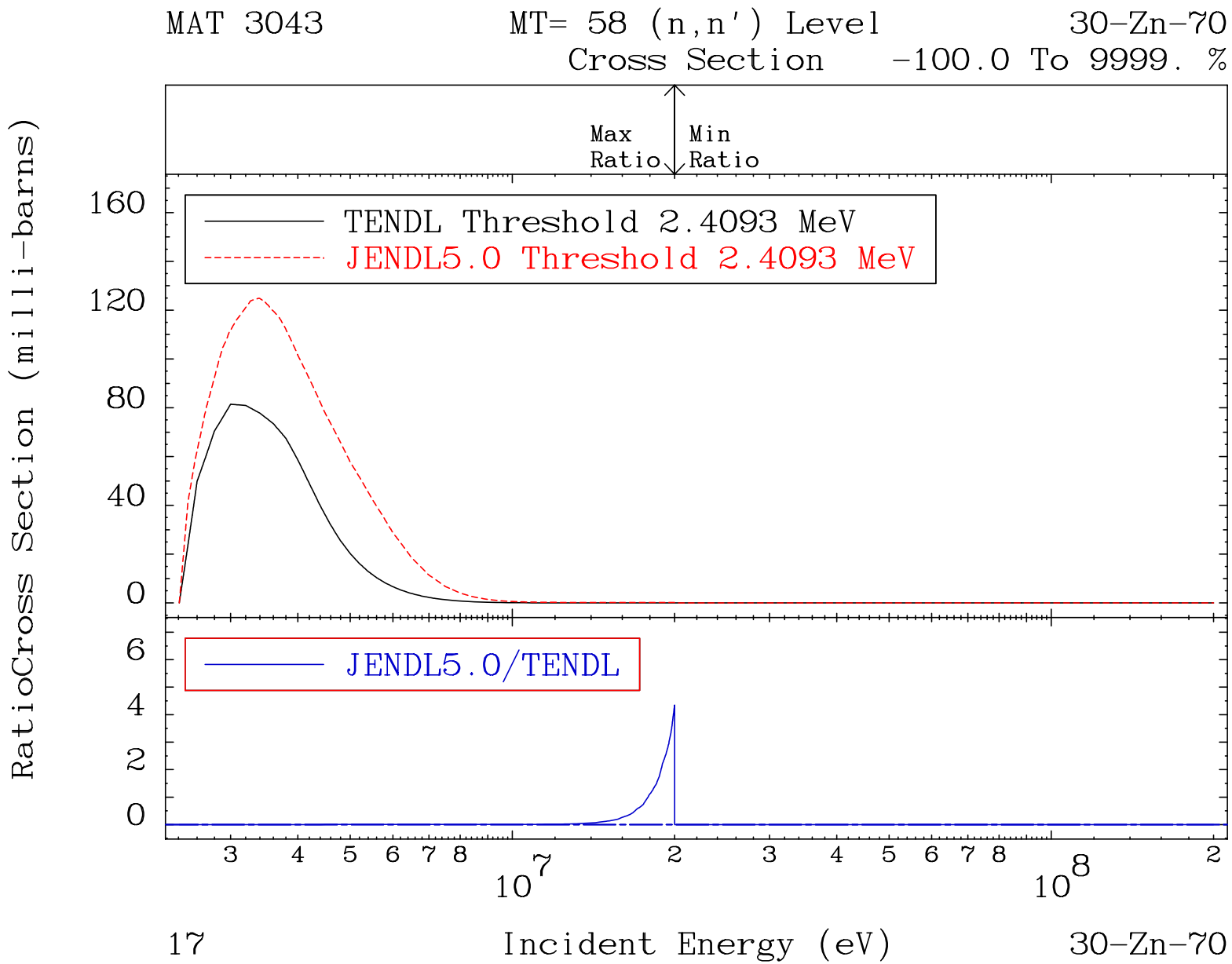

MAT 3043
MT= 53 (n,n') Level
30-Zn-70
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.5764 MeV
JENDL5.0 Threshold 1.5764 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
30-Zn-70

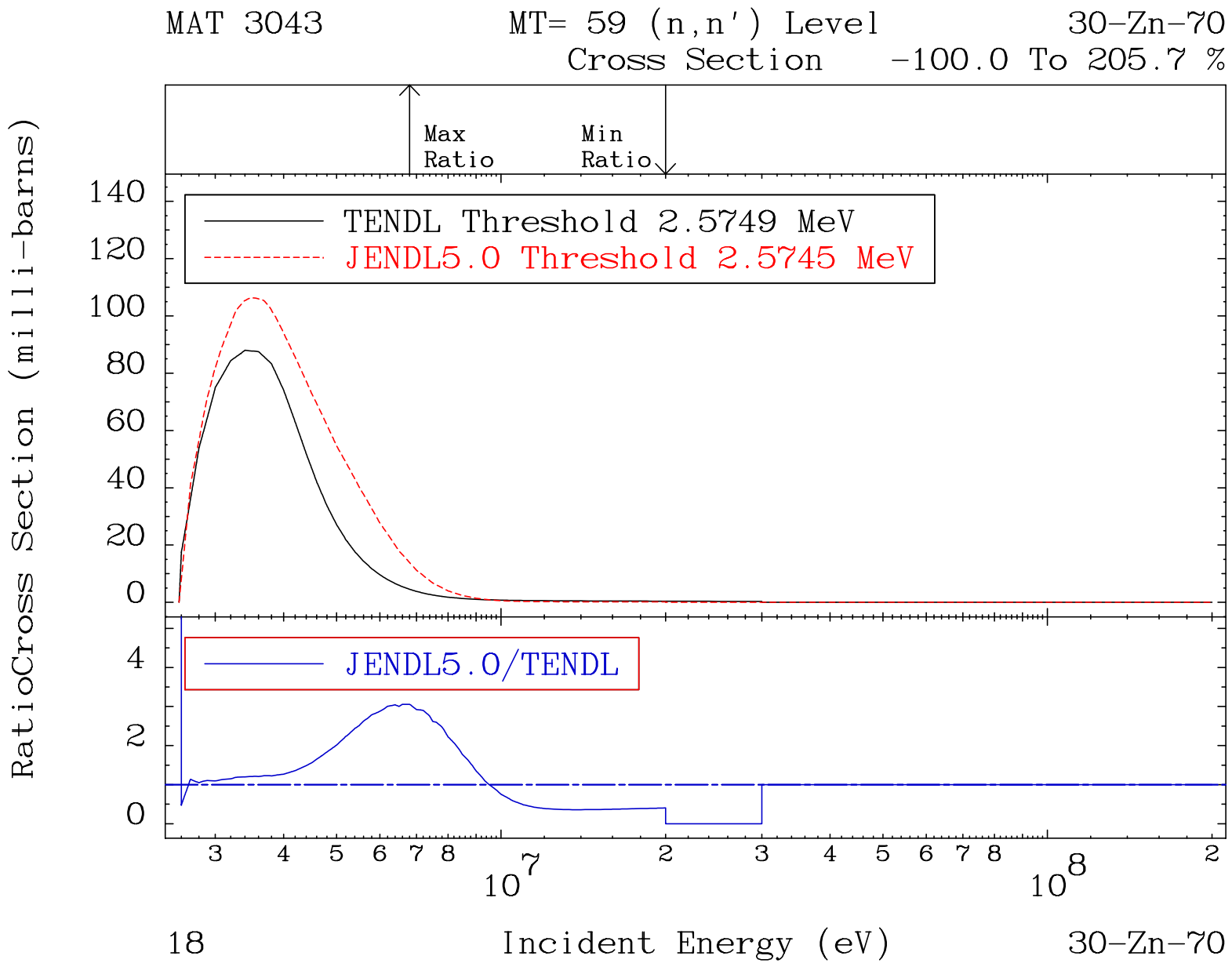

MAT 3043
MT= 54 (n,n') Level
30-Zn-70
Cross Section -100.0 To 194.7 %
Max Ratio
Min Ratio
TENDL Threshold 1.7845 MeV
JENDL5.0 Threshold 1.7841 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
4
2
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
30-Zn-70

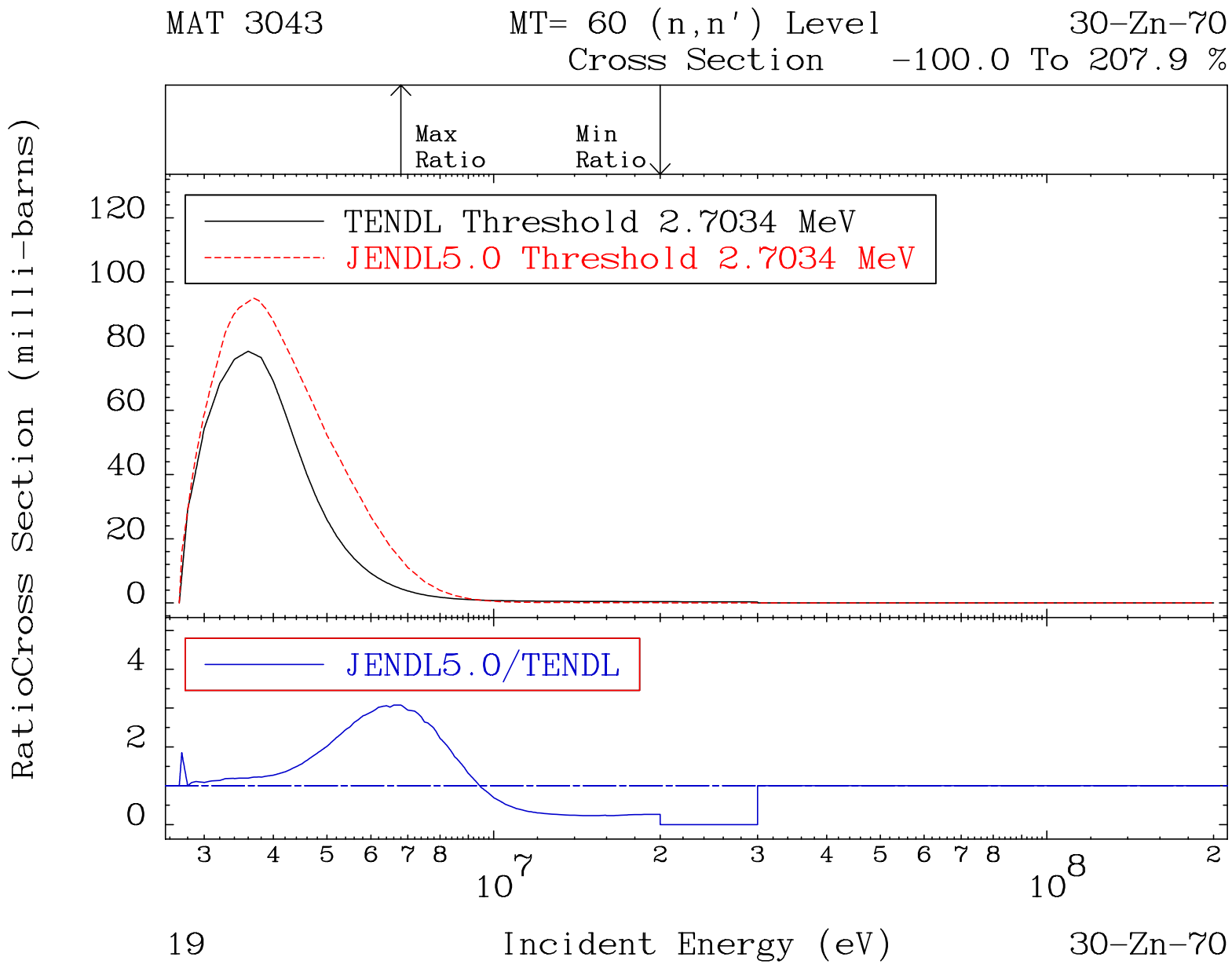

MAT 3043
MT= 55 (n,n') Level
30-Zn-70
Cross Section -100.0 To 41.84 %
Max Ratio
Min Ratio
TENDL Threshold 1.8125 MeV
JENDL5.0 Threshold 1.8121 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
30-Zn-70

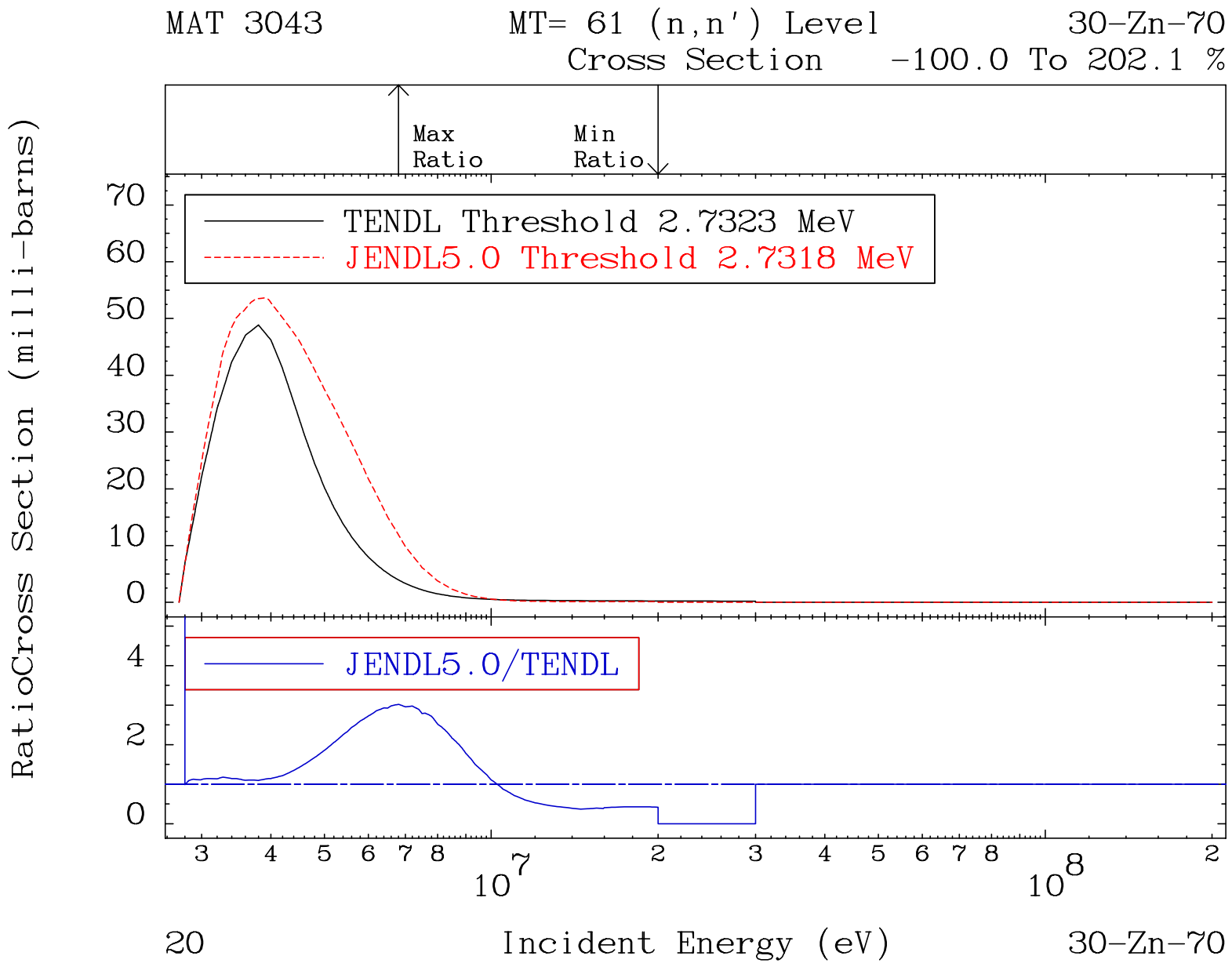

MAT 3043
MT= 56 (n,n') Level
30-Zn-70
Cross Section -100.0 To 197.2 %
Max Ratio
Min Ratio
TENDL Threshold 1.9855 MeV
JENDL5.0 Threshold 1.9855 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
4
2
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
30-Zn-70

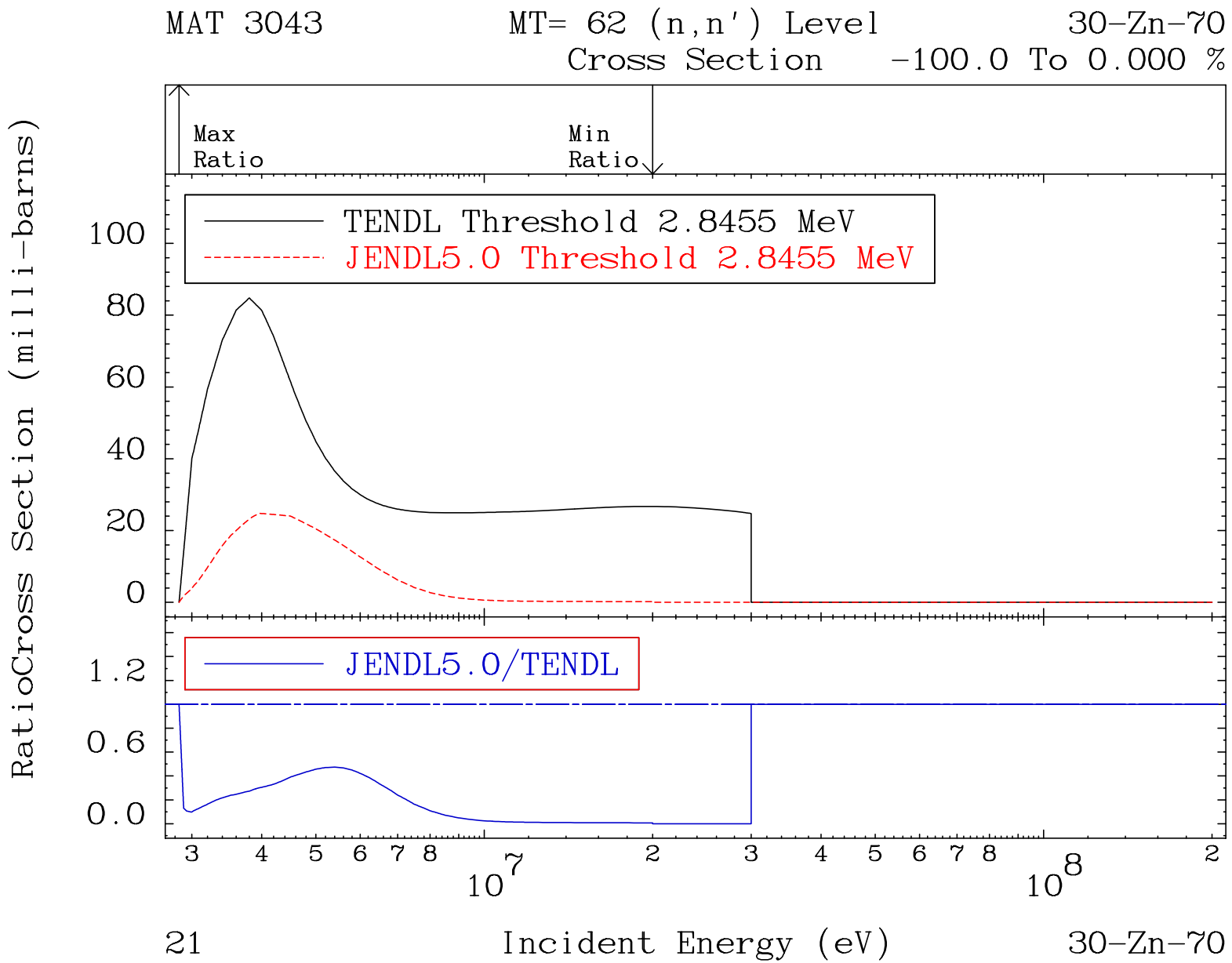

MAT 3043
MT= 57 (n,n') Level
30-Zn-70
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.1715 MeV
JENDL5.0 Threshold 2.1711 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
12
6
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
30-Zn-70

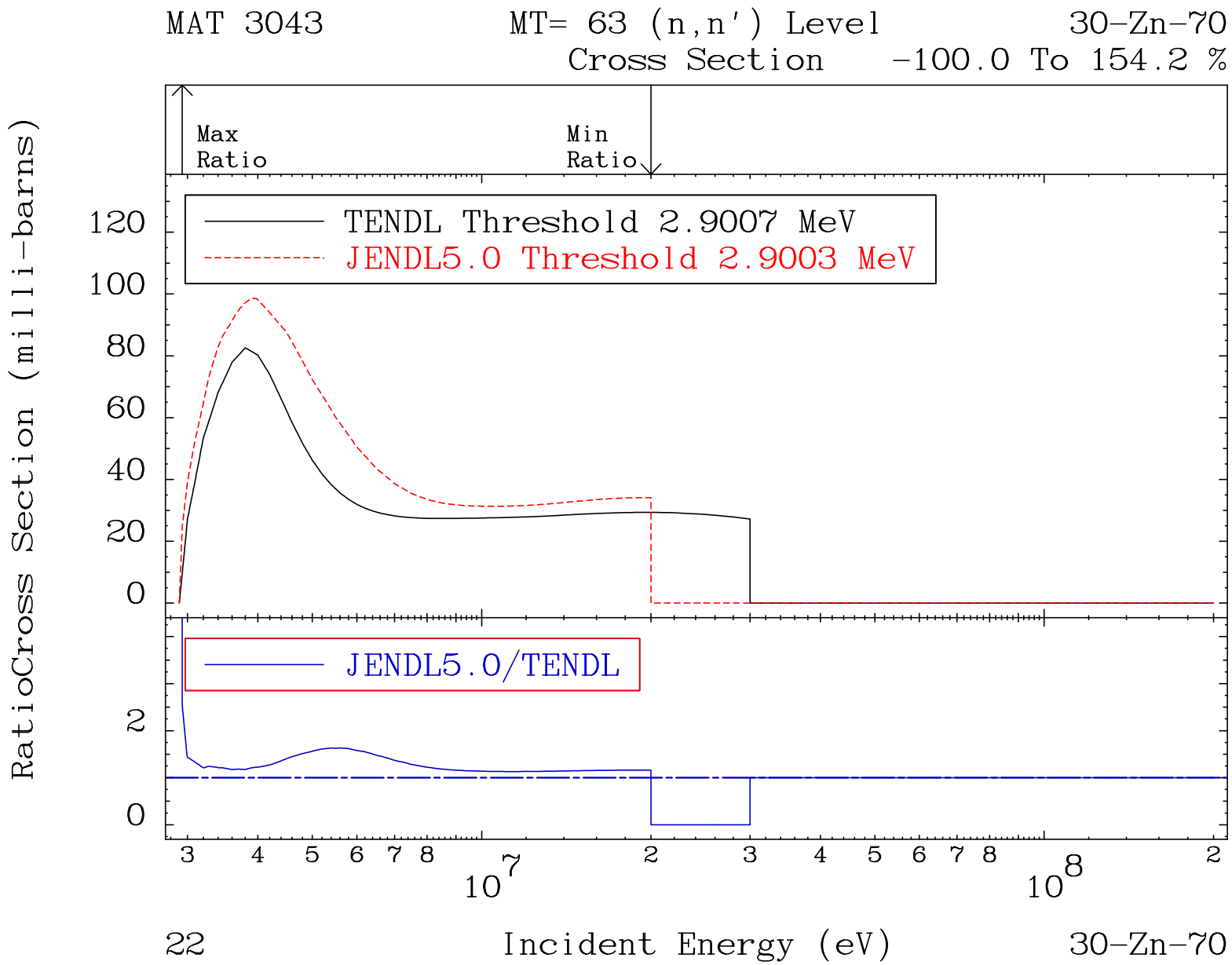

MAT 3043
MT= 58 (n,n') Level
30-Zn-70
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.4093 MeV
JENDL5.0 Threshold 2.4093 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
6
4
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
30-Zn-70

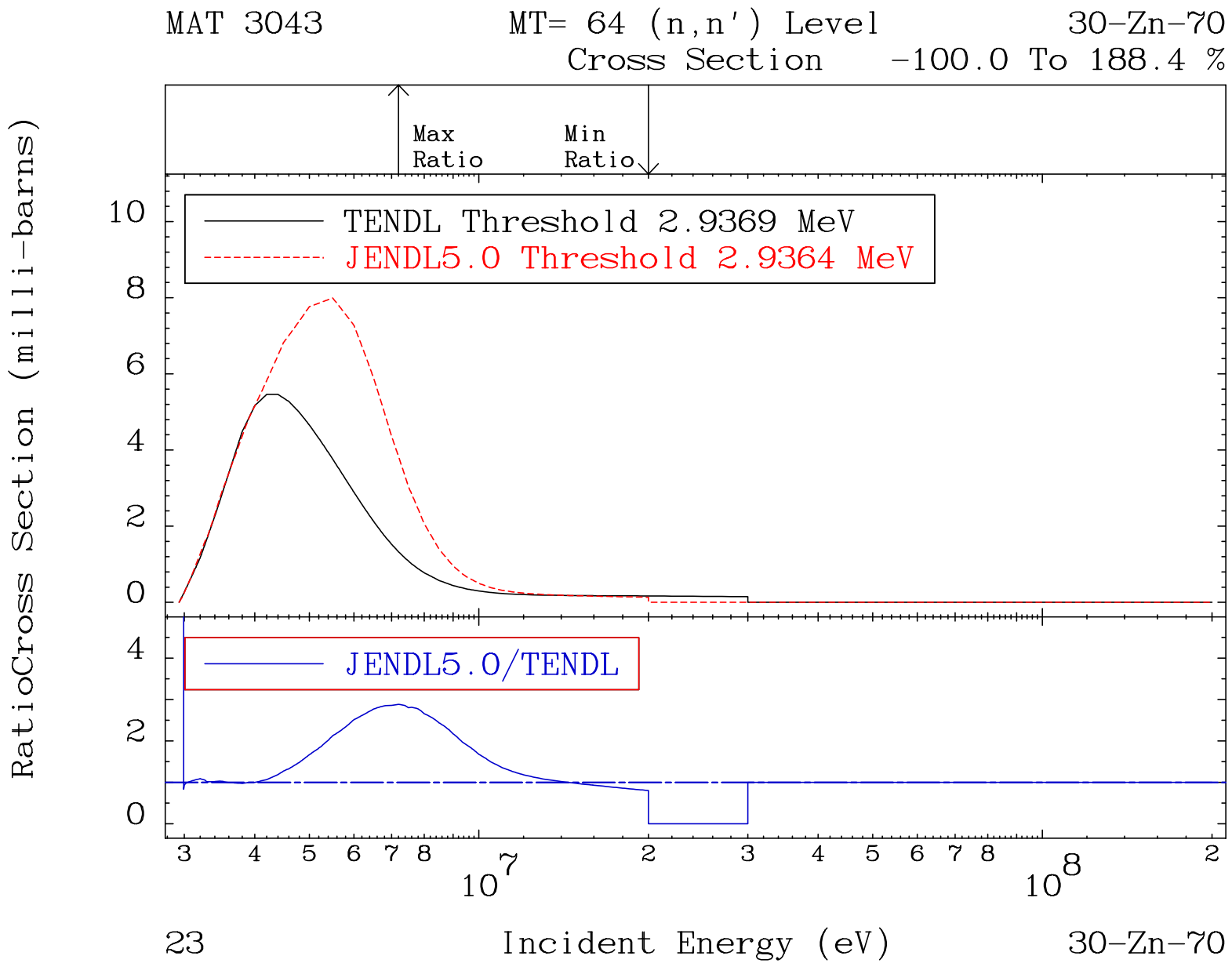

MAT 3043
MT= 59 (n,n') Level
30-Zn-70
Cross Section -100.0 To 205.7 %
Max Ratio
Min Ratio
TENDL Threshold 2.5749 MeV
JENDL5.0 Threshold 2.5745 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
4
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
30-Zn-70

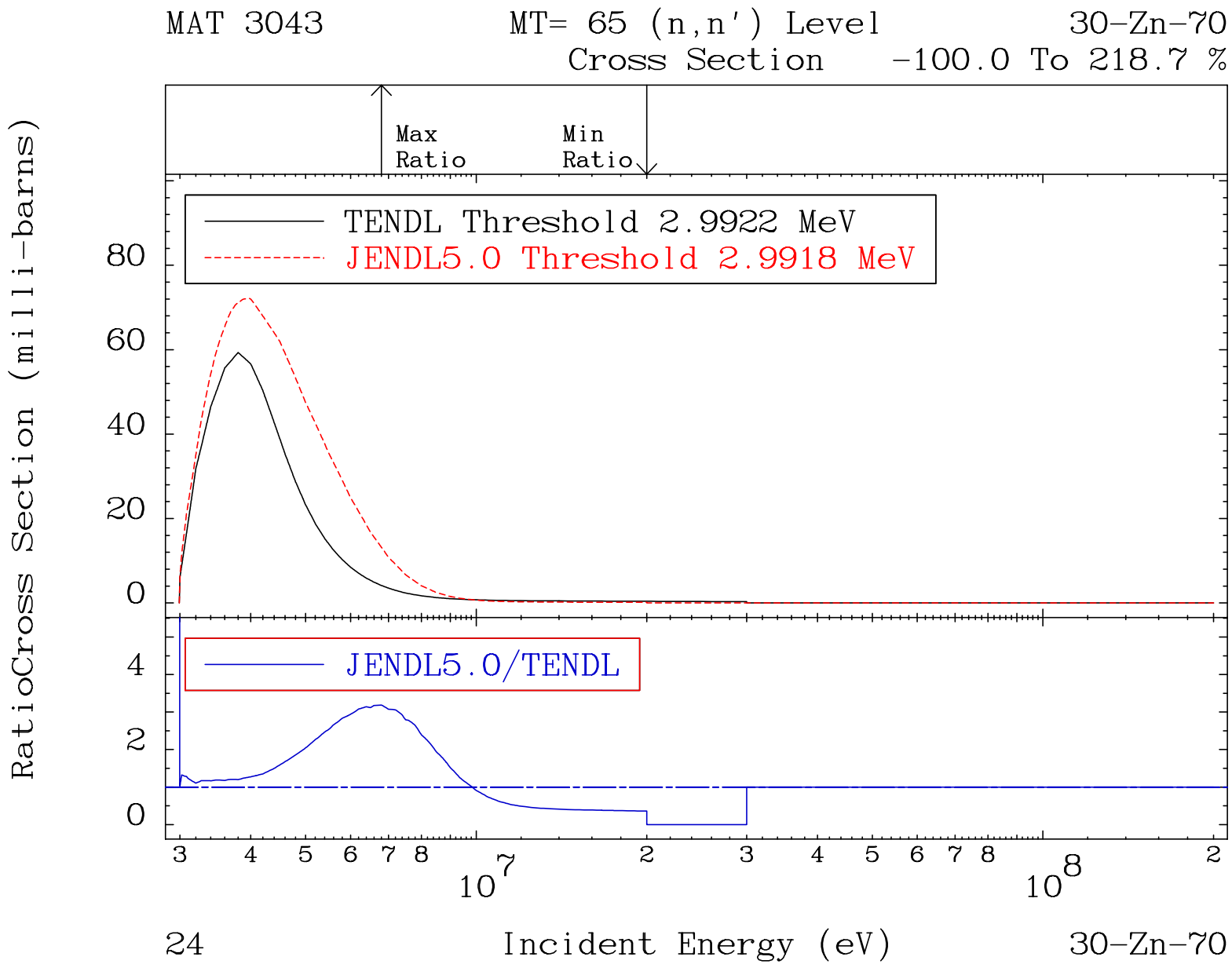

MAT 3043
MT= 60 (n,n') Level
30-Zn-70
Cross Section
-100.0 To 207.9 %
Max Ratio
Min Ratio
TENDL Threshold 2.7034 MeV
JENDL5.0 Threshold 2.7034 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
4
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
30-Zn-70

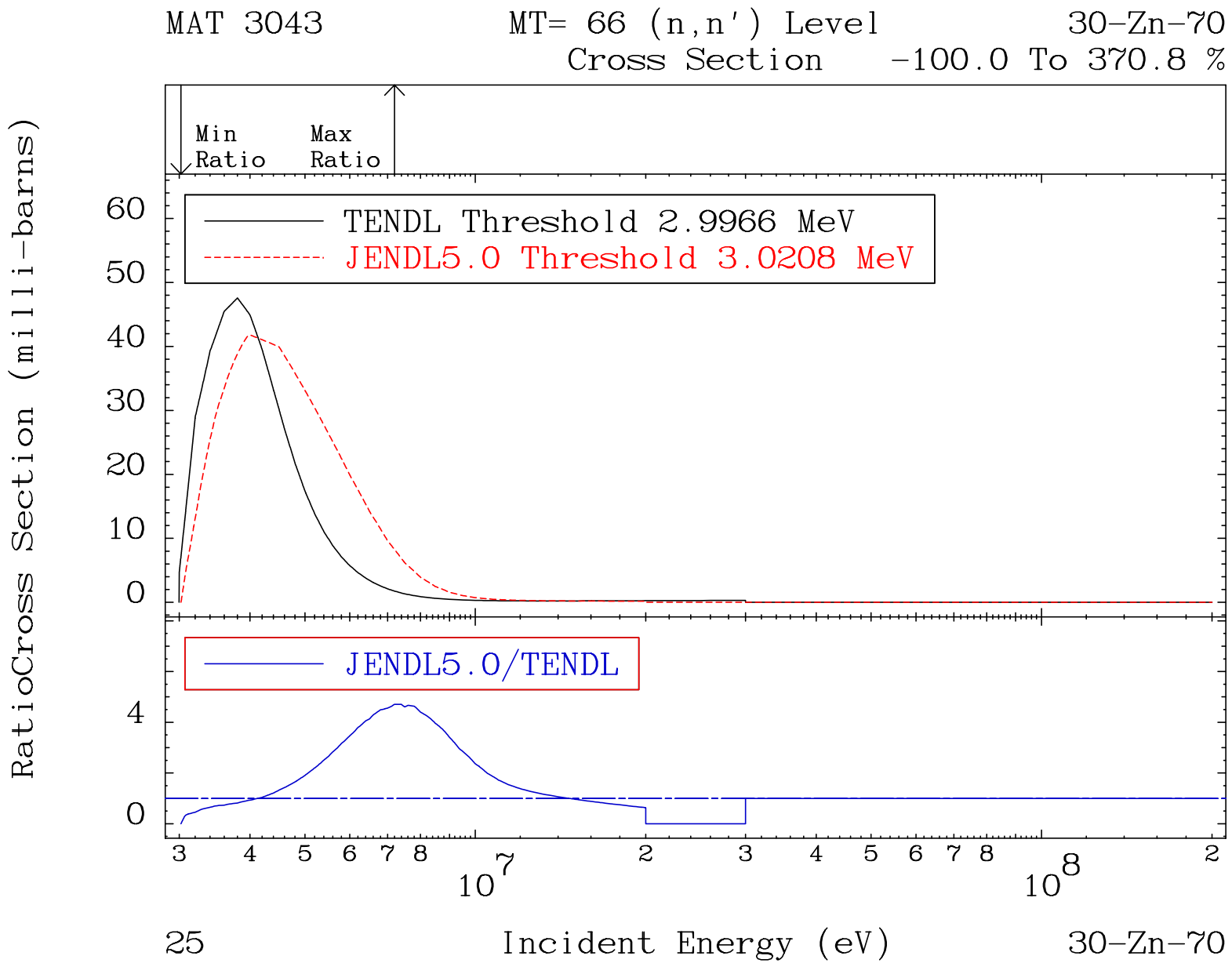

MAT 3043
MT= 61 (n,n') Level
30-Zn-70
Cross Section
-100.0 To 202.1 %
Max Ratio
Min Ratio
TENDL Threshold 2.7323 MeV
JENDL5.0 Threshold 2.7318 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
4
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
20
Incident Energy (eV)
30-Zn-70

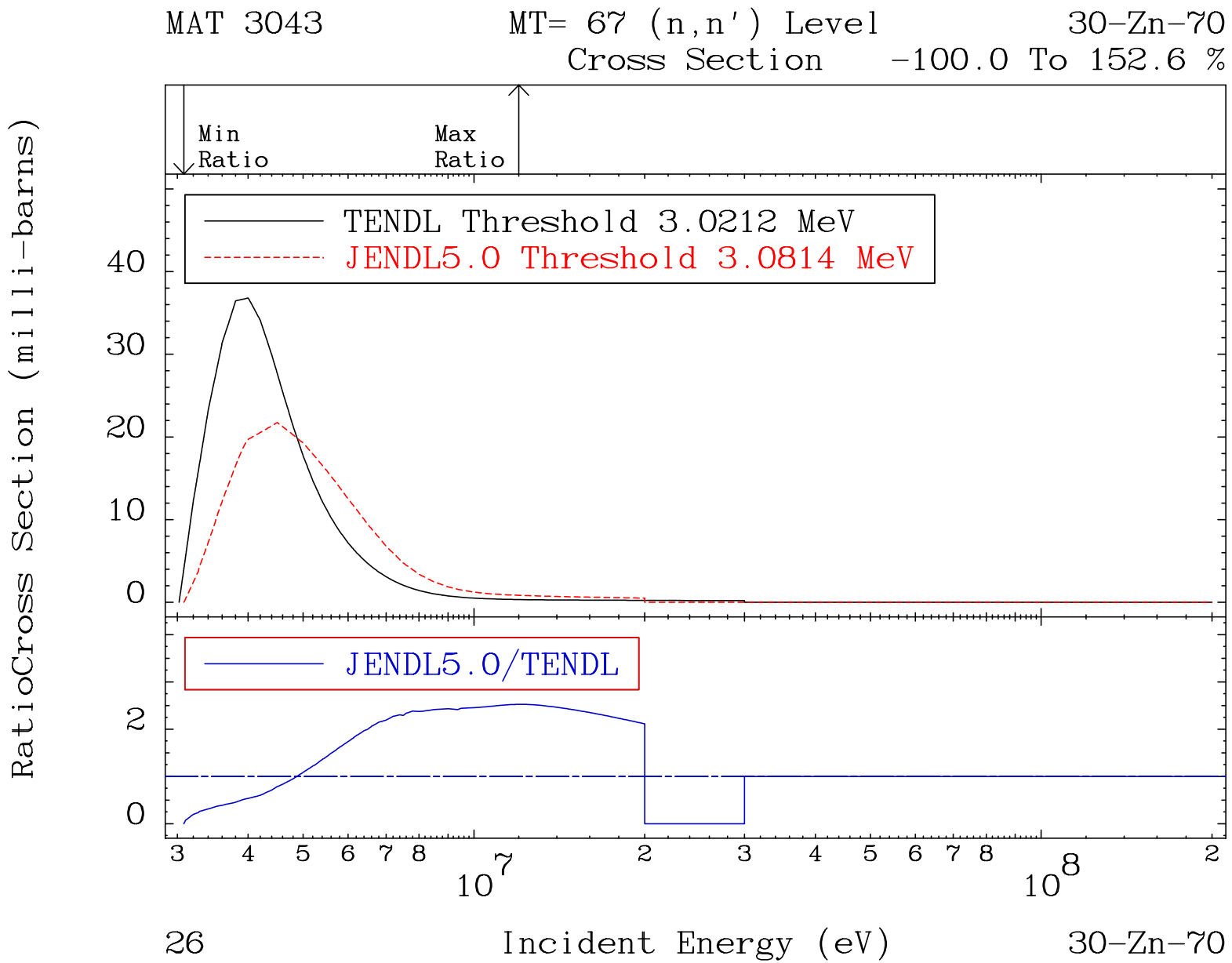

MAT 3043
MT= 62 (n,n') Level
30-Zn-70
Cross Section -100.0 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 2.8455 MeV
JENDL5.0 Threshold 2.8455 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
21
Incident Energy (eV)
30-Zn-70

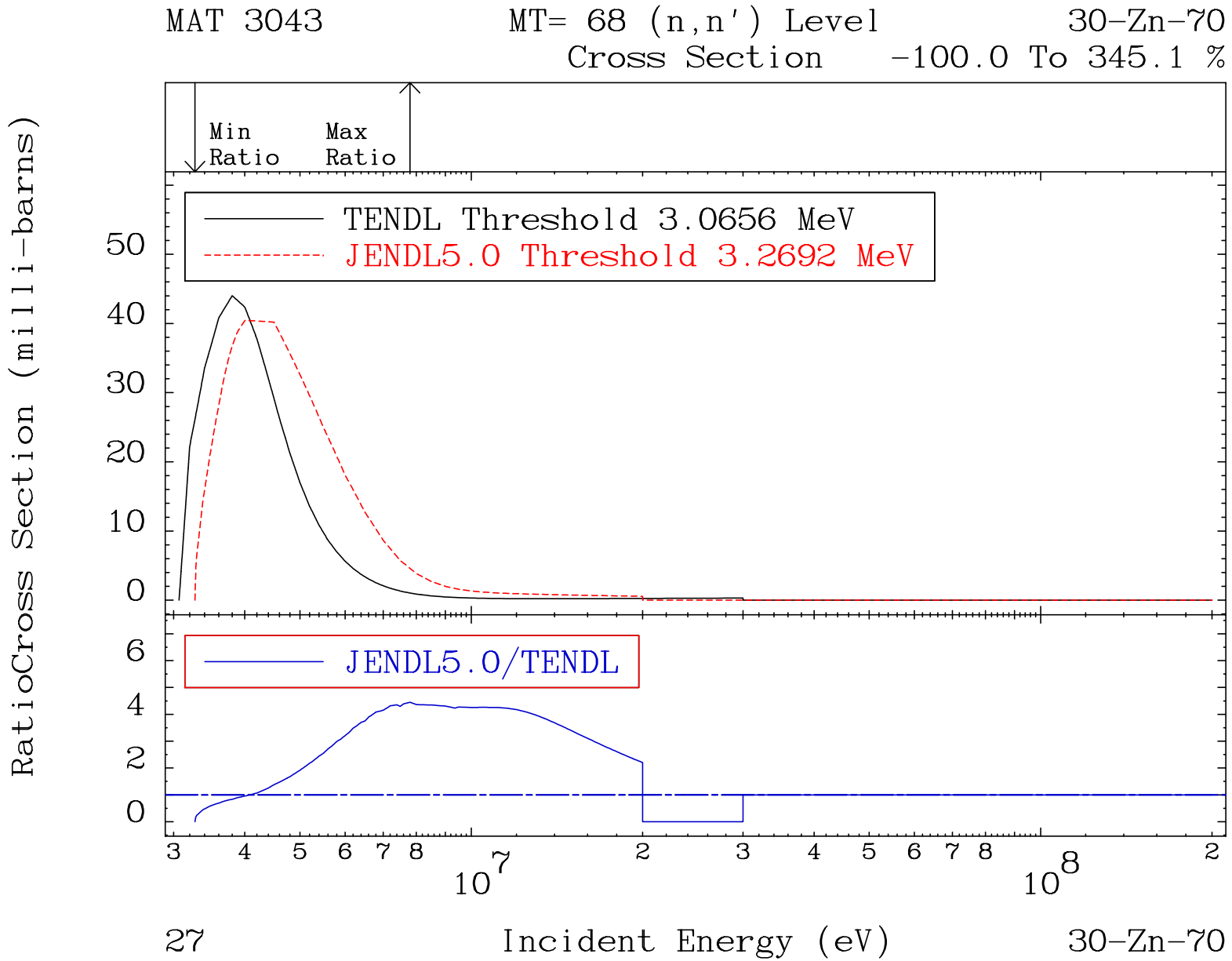

MAT 3043
MT= 63 (n,n') Level
30-Zn-70
Cross Section
-100.0 To 154.2 %
Max Ratio
Min Ratio
TENDL Threshold 2.9007 MeV
JENDL5.0 Threshold 2.9003 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
30-Zn-70

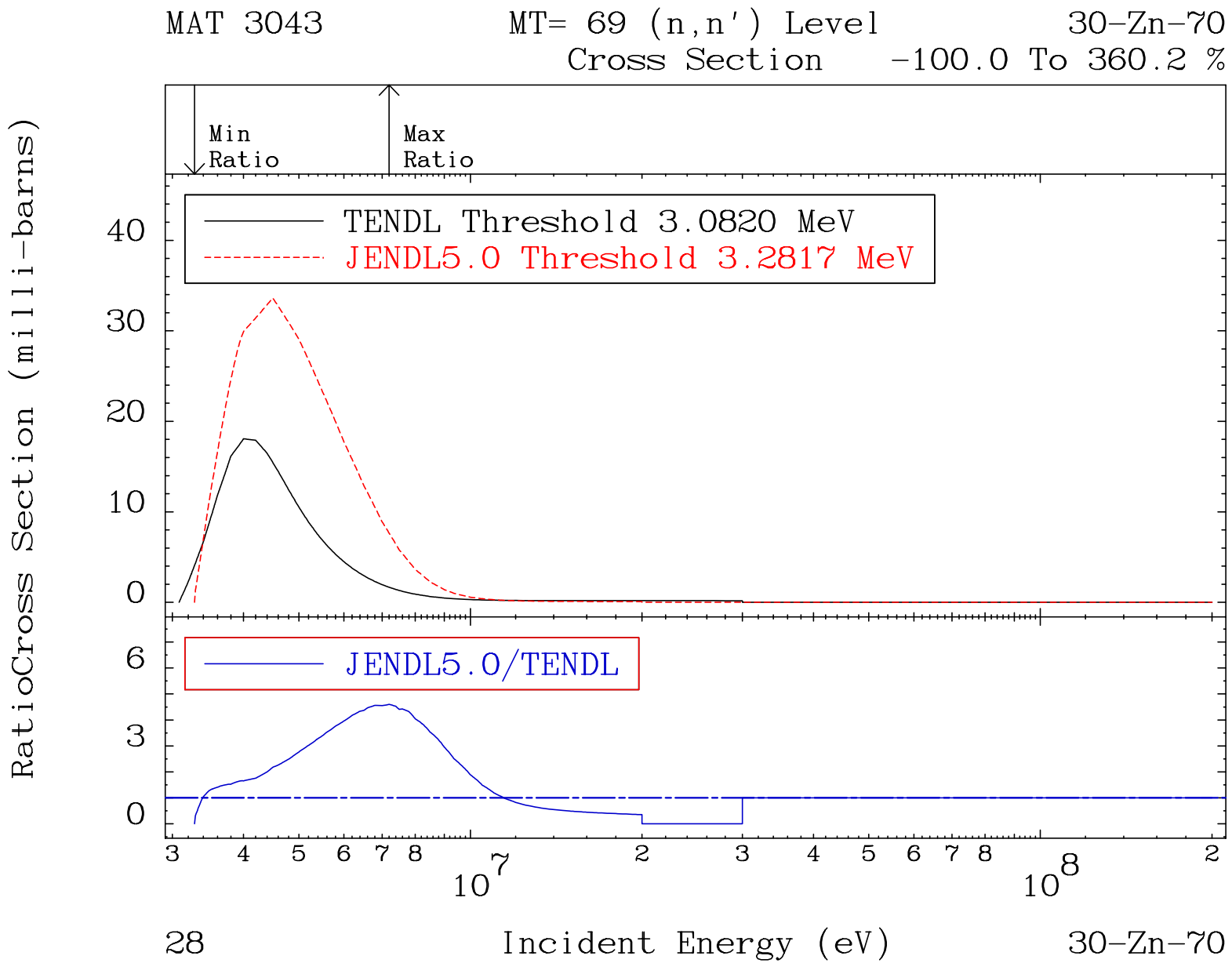

MAT 3043
MT= 64 (n,n') Level
30-Zn-70
Cross Section -100.0 To 188.4 %
Max Ratio
Min Ratio
TENDL Threshold 2.9369 MeV
JENDL5.0 Threshold 2.9364 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
23
30-Zn-70

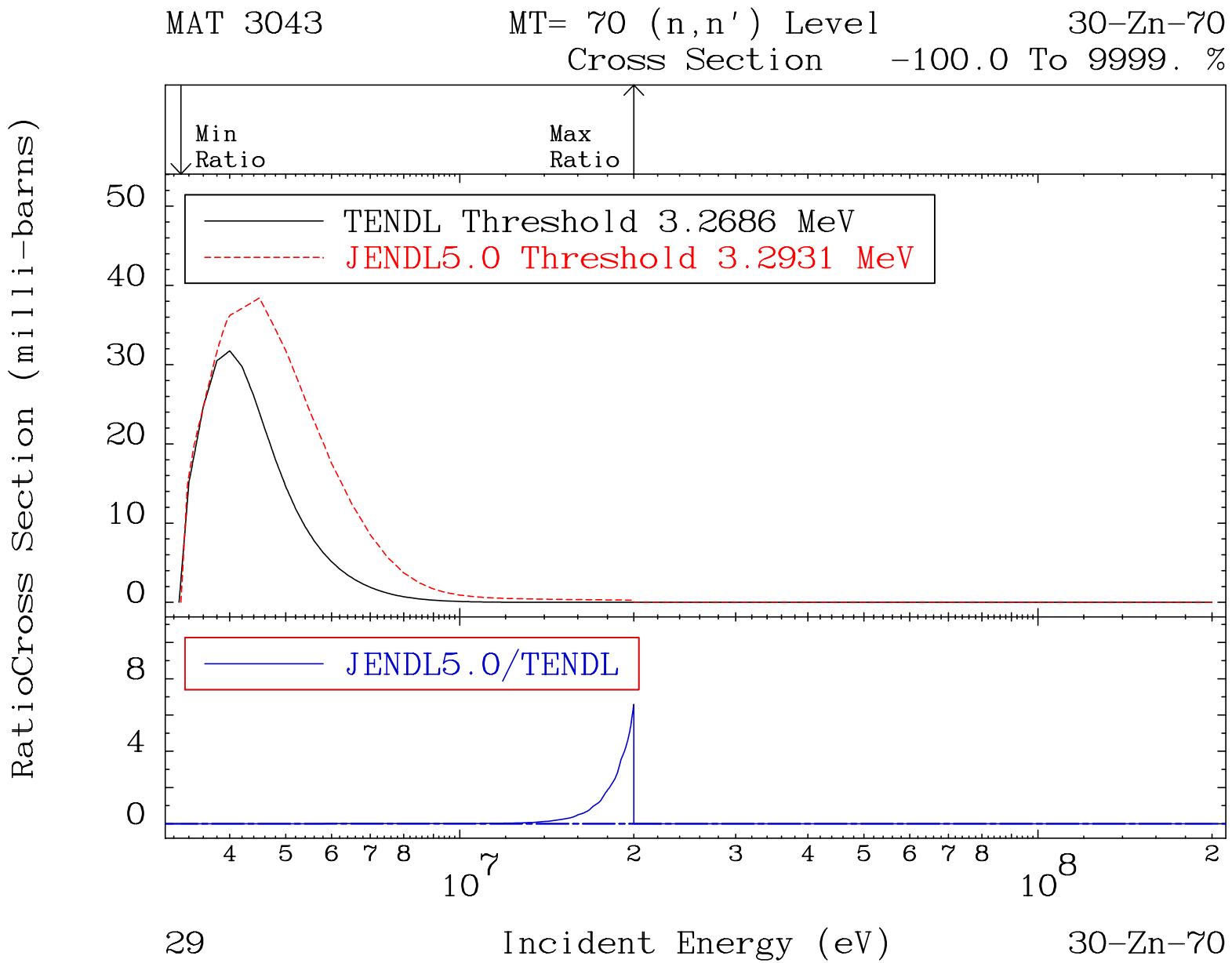

MAT 3043
MT= 65 (n,n') Level
30-Zn-70
Cross Section -100.0 To 218.7 %
Max Ratio
Min Ratio
TENDL Threshold 2.9922 MeV
JENDL5.0 Threshold 2.9918 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
4
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
24
Incident Energy (eV)
30-Zn-70

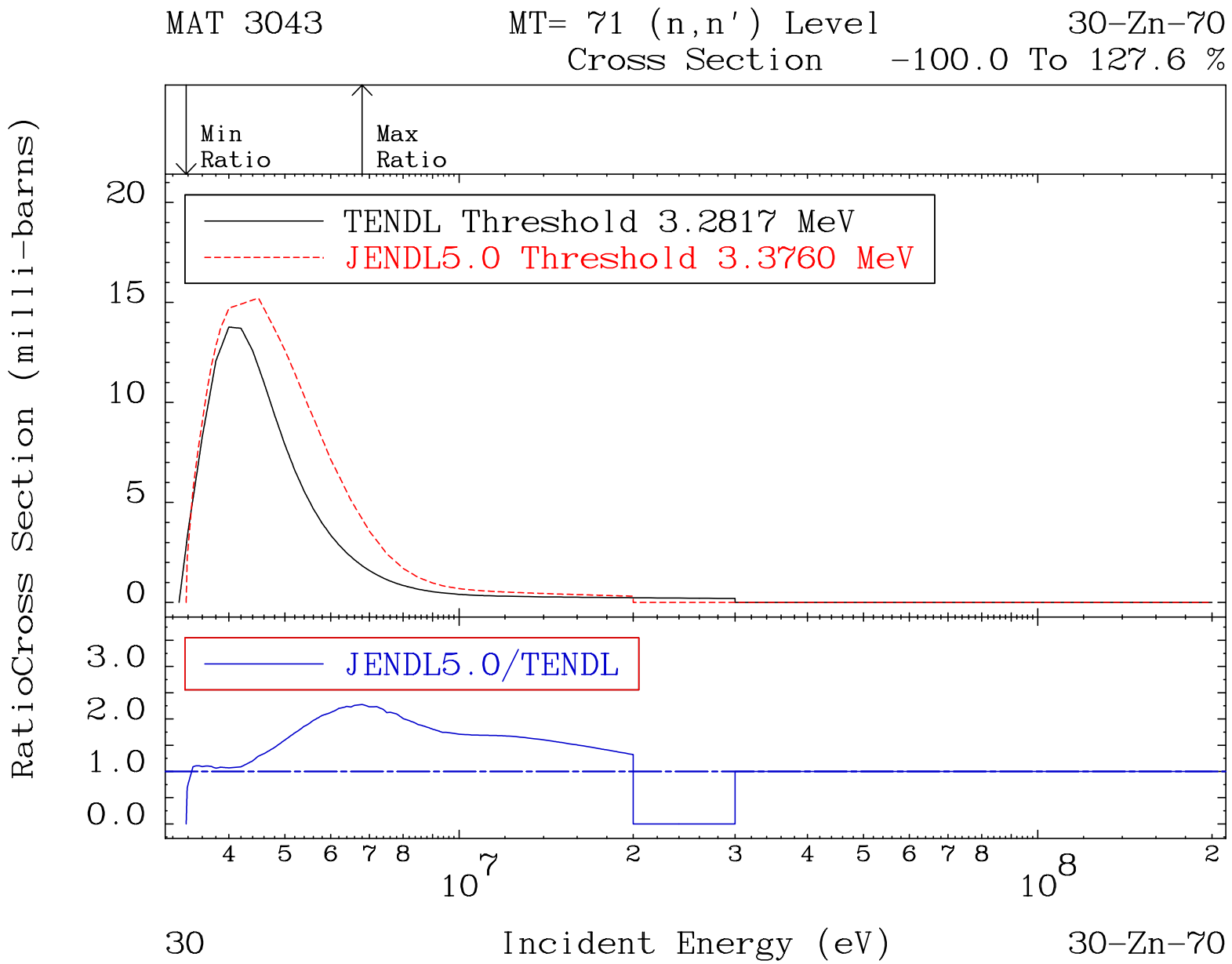

MAT 3043
MT= 66 (n,n') Level
30-Zn-70
Cross Section
-100.0 To 370.8 %
Min Ratio
Max Ratio
TENDL Threshold 2.9966 MeV
JENDL5.0 Threshold 3.0208 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
4
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
25
Incident Energy (eV)
30-Zn-70

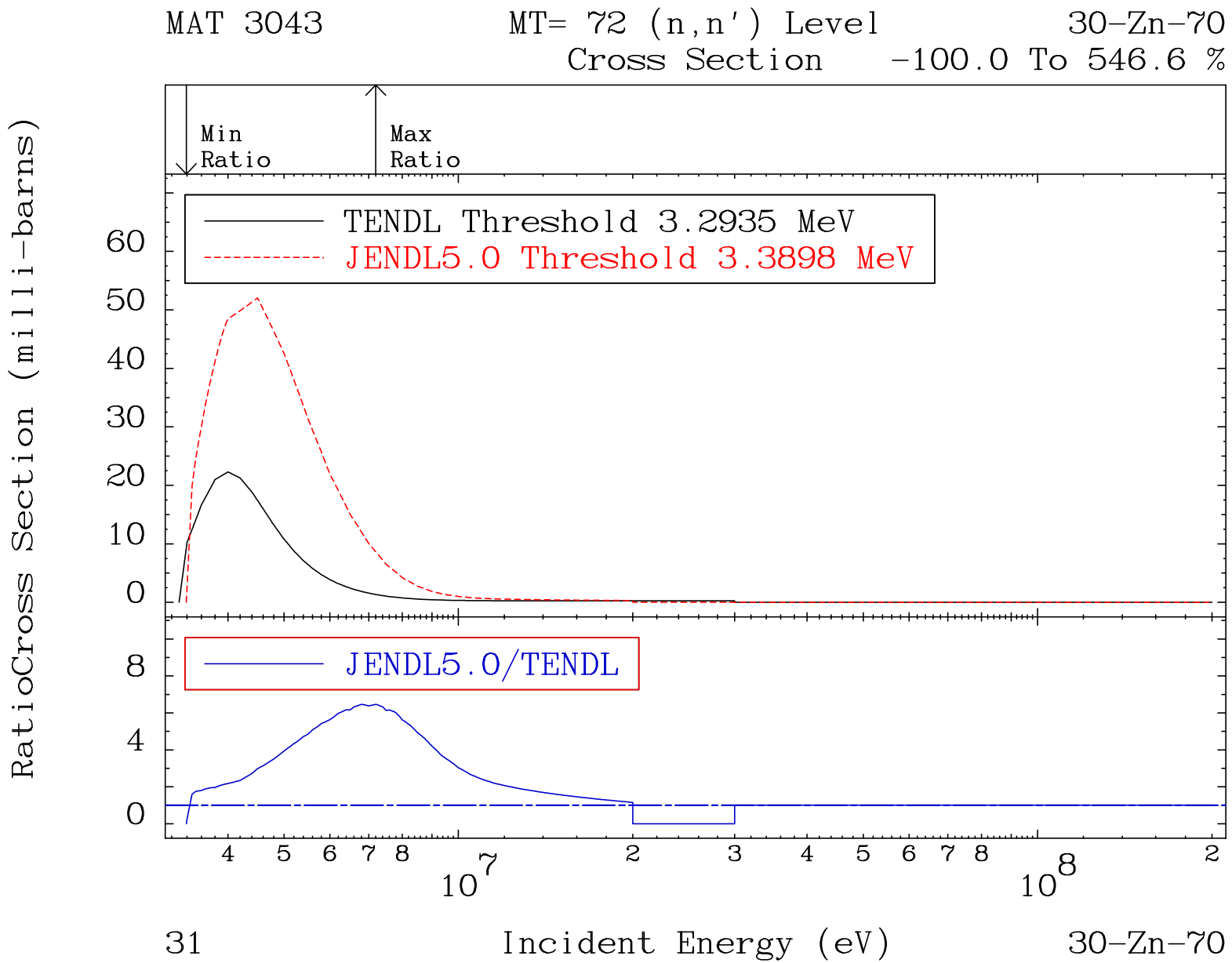

MAT 3043
MT= 67 (n,n') Level
30-Zn-70
Cross Section
-100.0 To 152.6 %
Min Ratio
Max Ratio
TENDL Threshold 3.0212 MeV
JENDL5.0 Threshold 3.0814 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
26
30-Zn-70

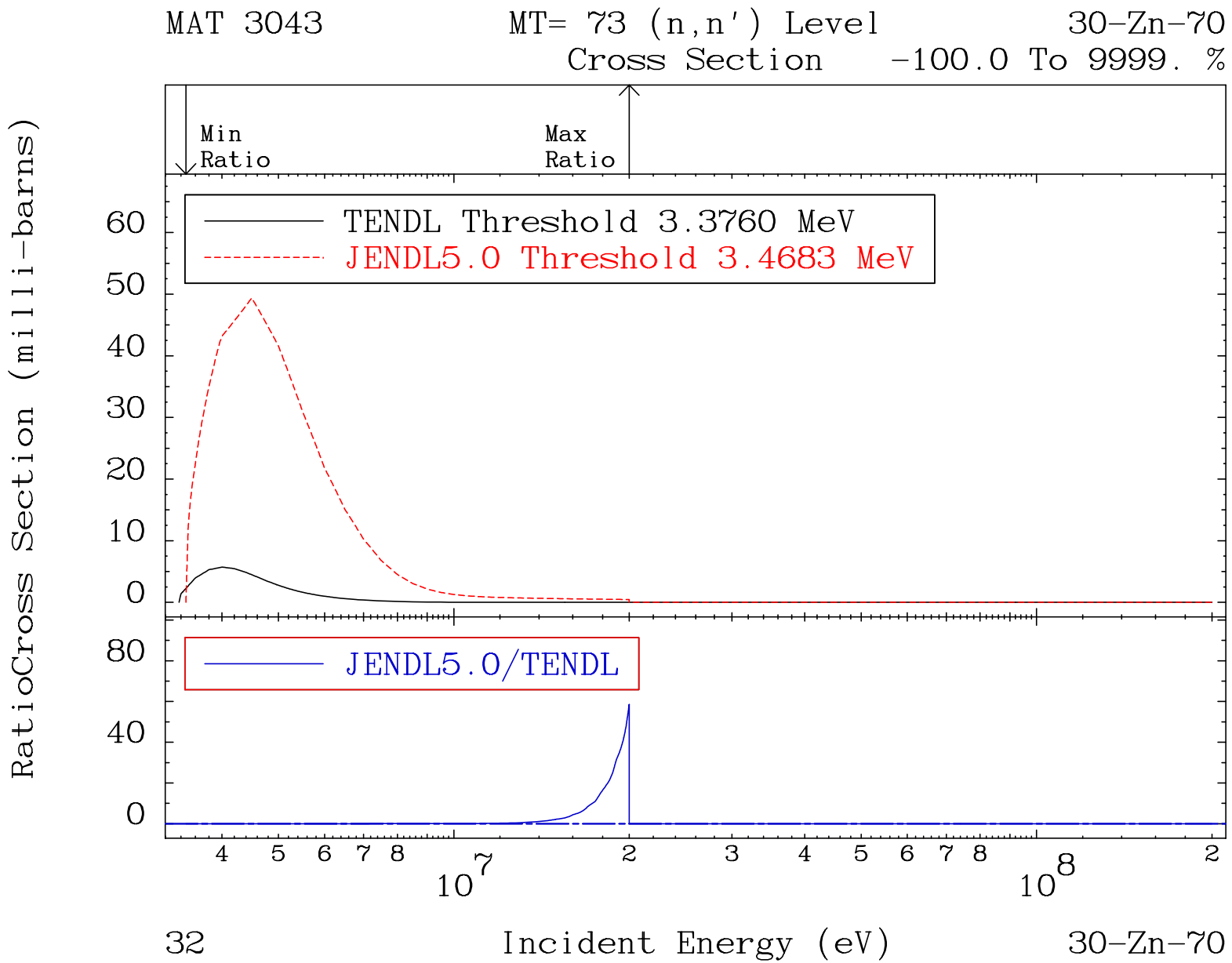

MAT 3043
MT= 68 (n,n') Level
30-Zn-70
Cross Section
-100.0 To 345.1 %
Min Ratio
Max Ratio
TENDL Threshold 3.0656 MeV
JENDL5.0 Threshold 3.2692 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
6
4
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
27
Incident Energy (eV)
30-Zn-70

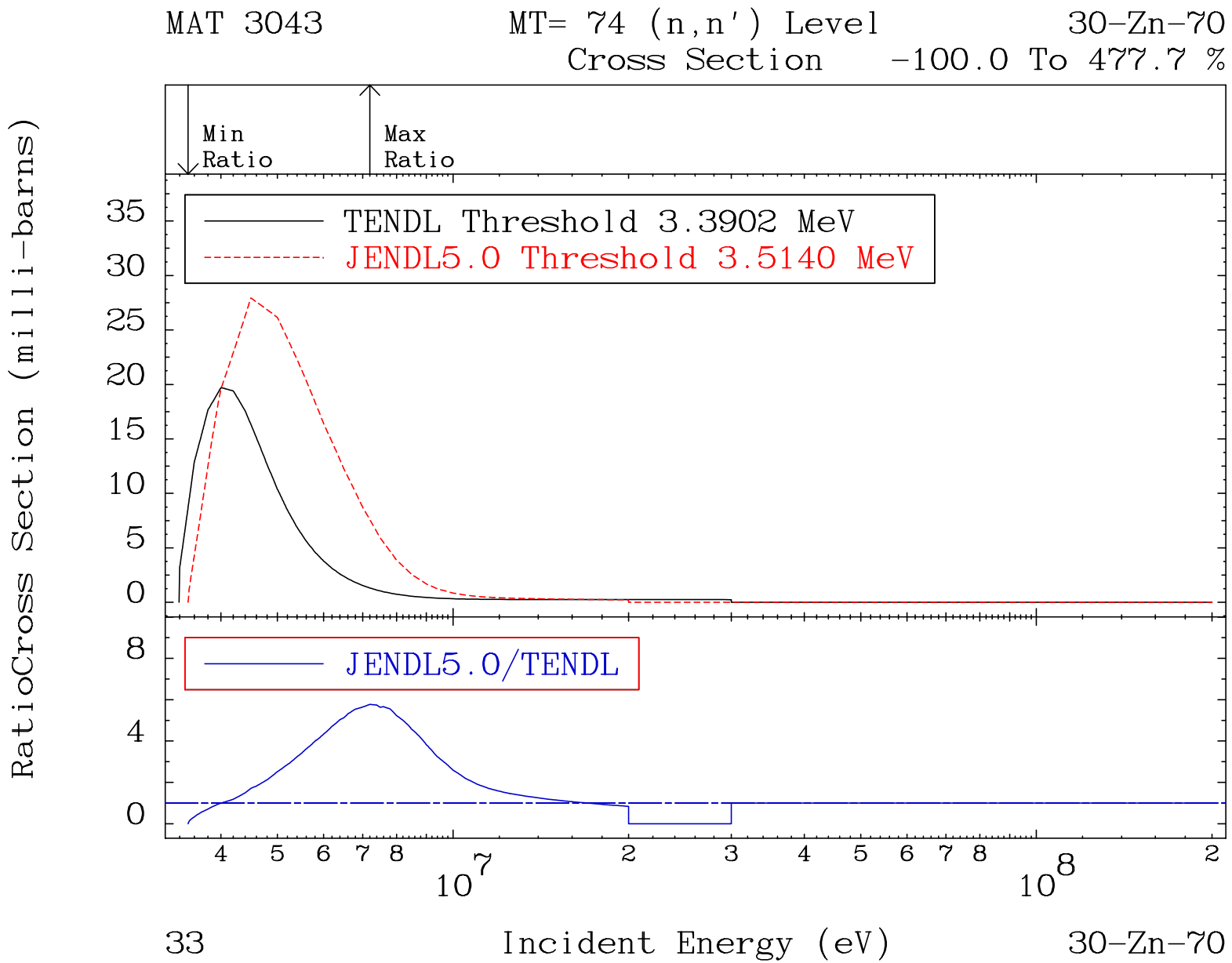

MAT 3043
MT= 69 (n,n') Level
30-Zn-70
Cross Section
-100.0 To 360.2 %
Min Ratio
Max Ratio
TENDL Threshold 3.0820 MeV
JENDL5.0 Threshold 3.2817 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
6
3
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
30-Zn-70

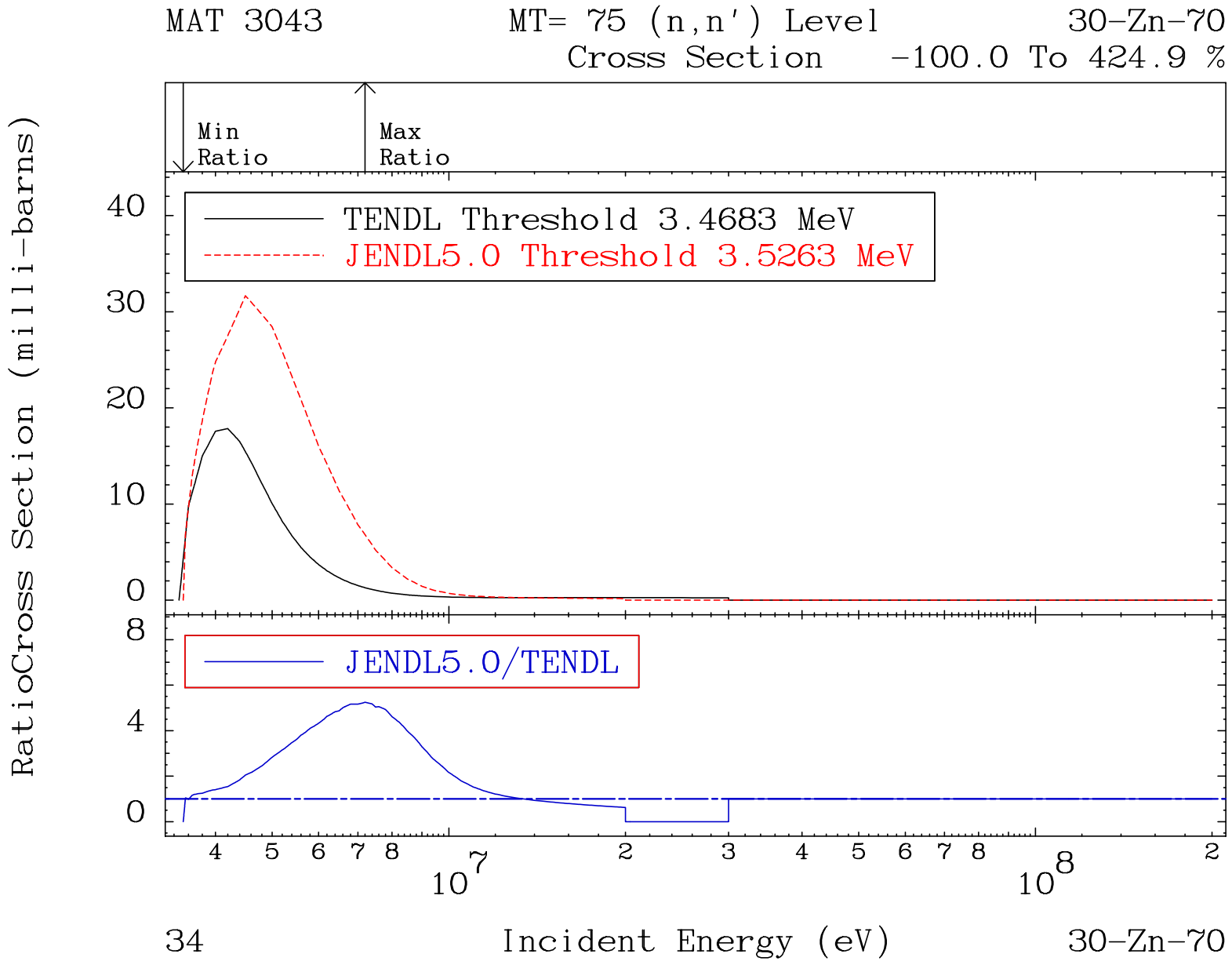

MAT 3043
MT= 70 (n,n') Level
30-Zn-70
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.2686 MeV
JENDL5.0 Threshold 3.2931 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
8
4
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
30-Zn-70

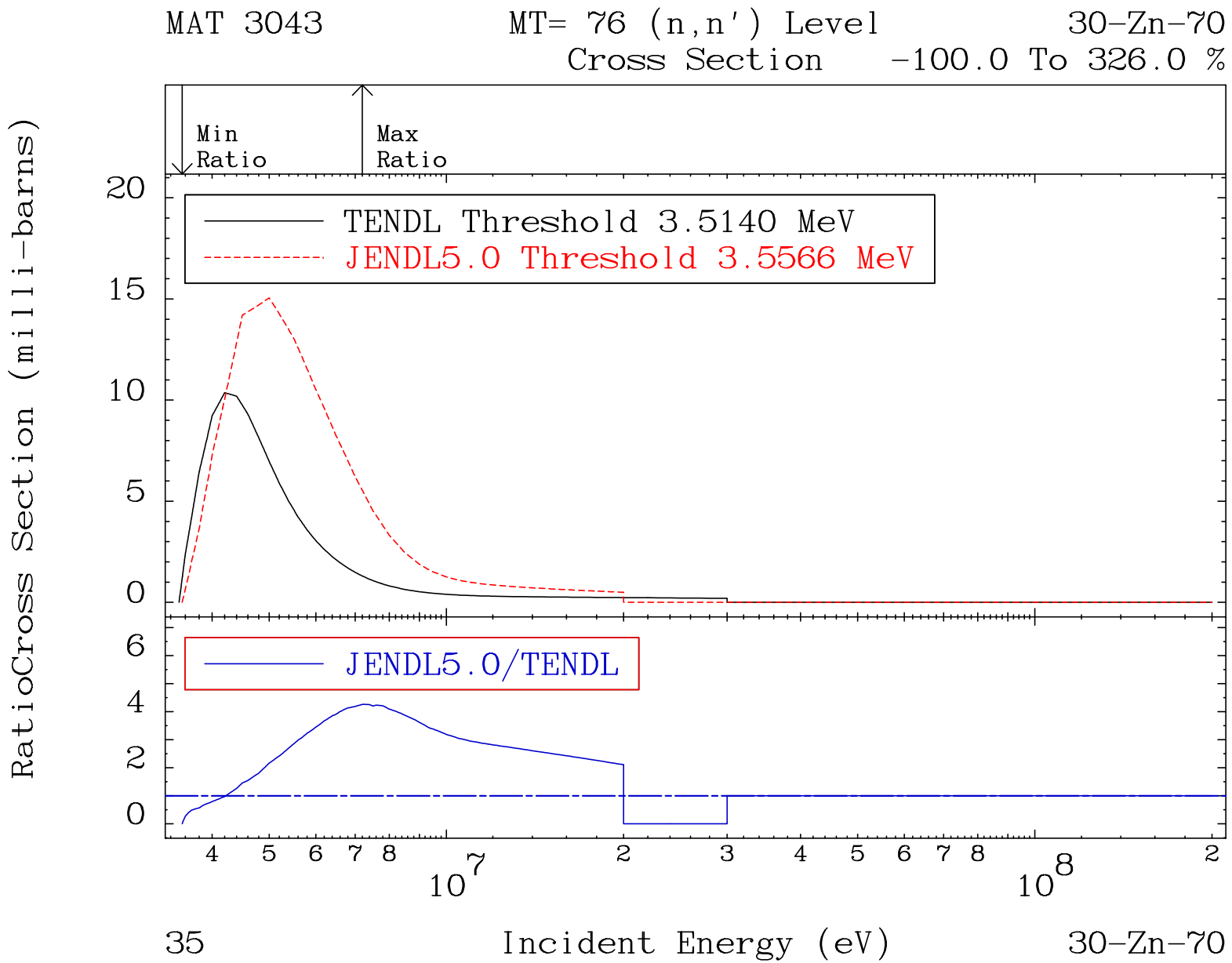

MAT 3043
MT= 71 (n,n') Level
30-Zn-70
Cross Section -100.0 To 127.6 %
Min Ratio
Max Ratio
TENDL Threshold 3.2817 MeV
JENDL5.0 Threshold 3.3760 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
3.0
2.0
1.0
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
30-Zn-70

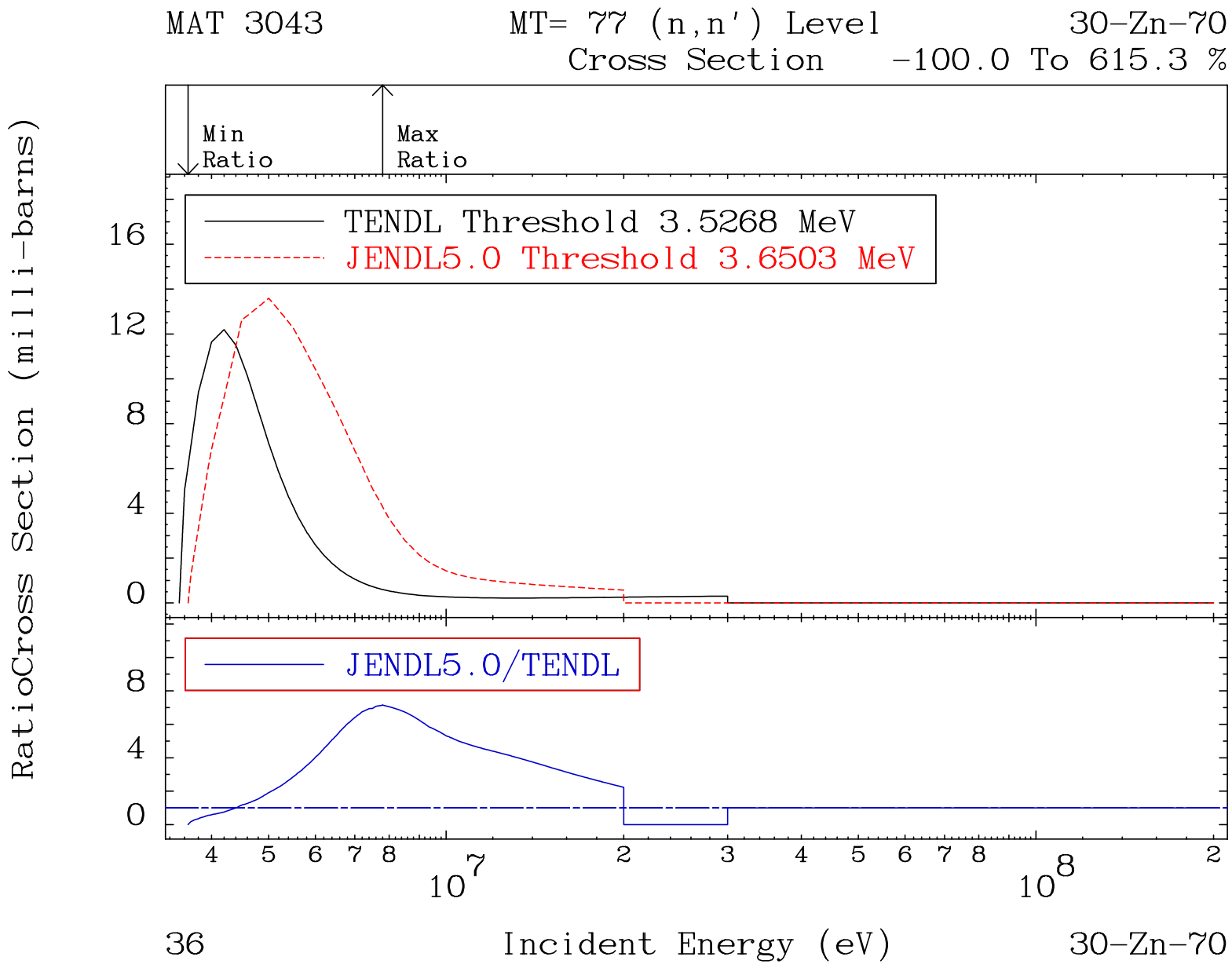

MAT 3043
MT= 72 (n,n') Level
30-Zn-70
Cross Section
-100.0 To 546.6 %
Min Ratio
Max Ratio
TENDL Threshold 3.2935 MeV
JENDL5.0 Threshold 3.3898 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
8
4
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
31
Incident Energy (eV)
30-Zn-70

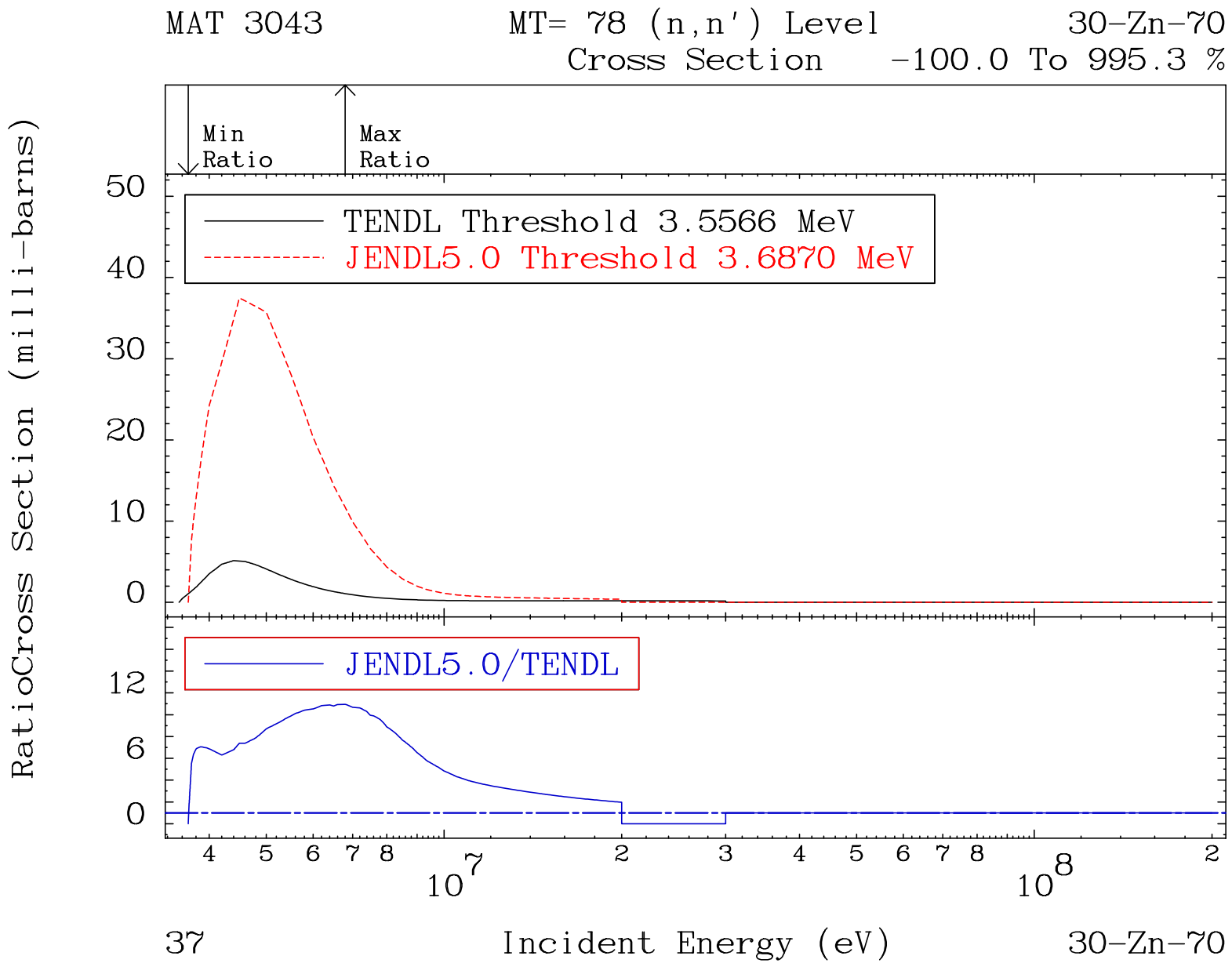

MAT 3043
MT= 73 (n,n') Level
30-Zn-70
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.3760 MeV
JENDL5.0 Threshold 3.4683 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
80
40
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
32
Incident Energy (eV)
30-Zn-70

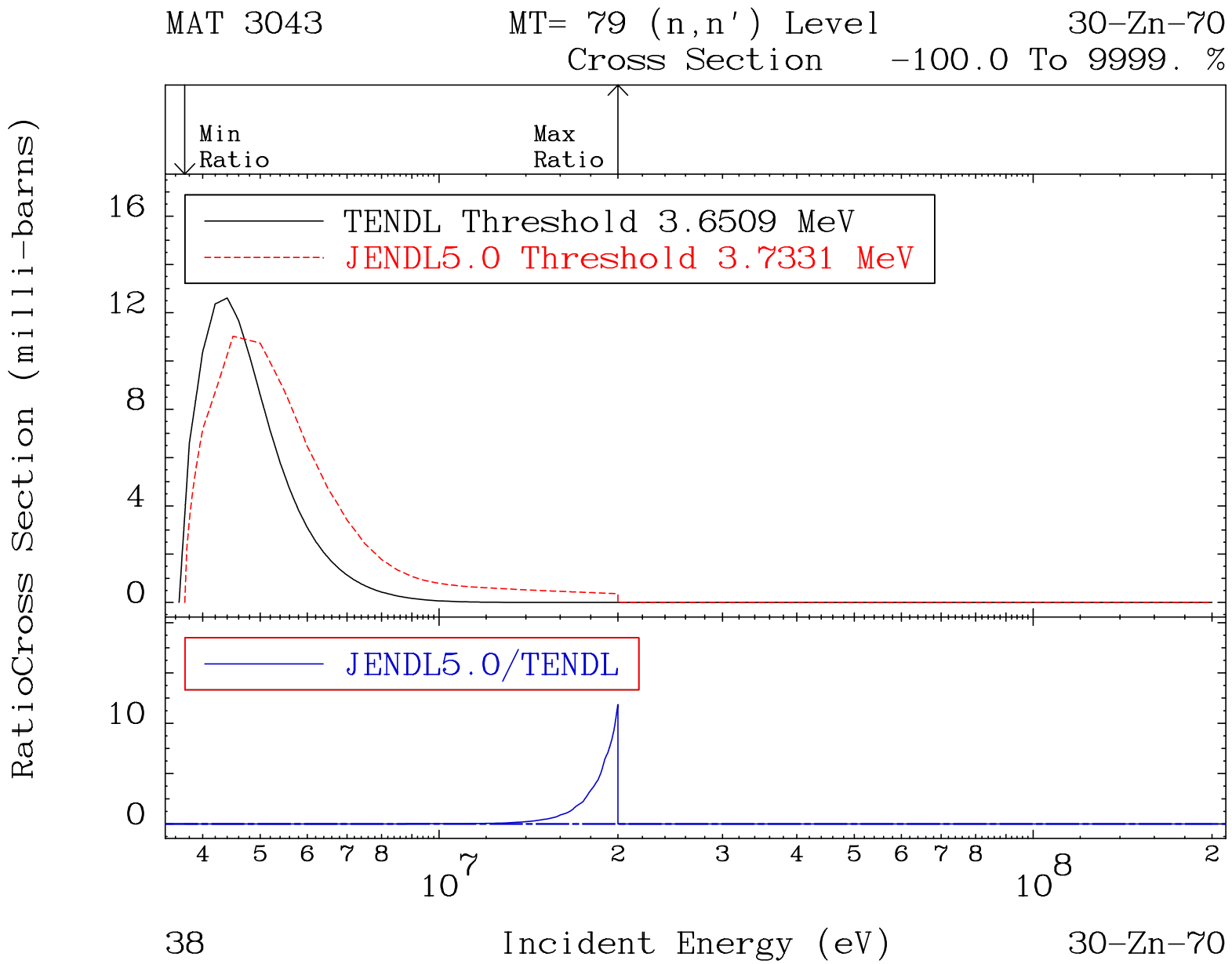

MAT 3043
MT= 74 (n,n') Level
30-Zn-70
Cross Section
-100.0 To 477.7 %
Min Ratio
Max Ratio
TENDL Threshold 3.3902 MeV
JENDL5.0 Threshold 3.5140 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
8
4
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
33
Incident Energy (eV)
30-Zn-70

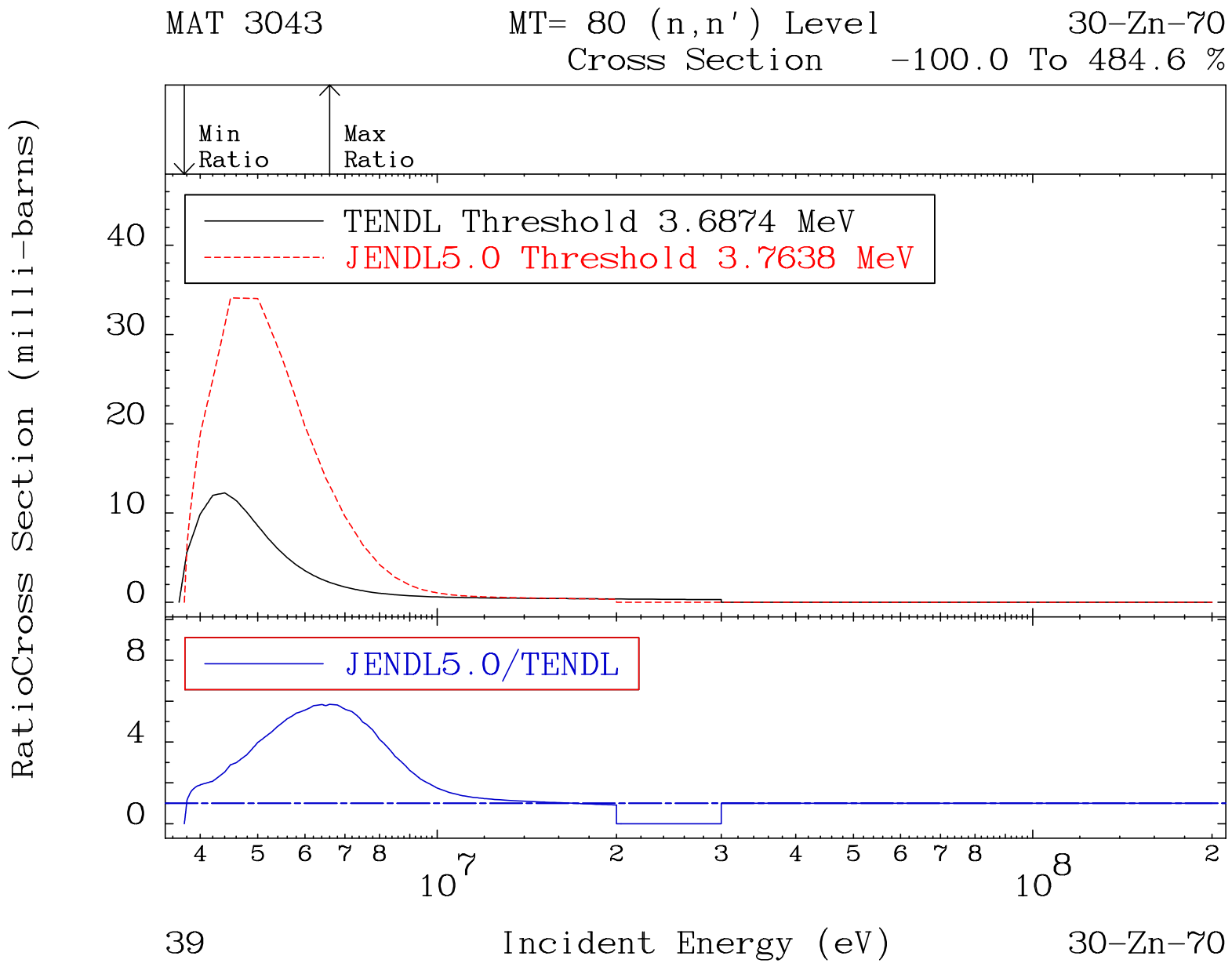

MAT 3043
MT= 75 (n,n') Level
30-Zn-70
Cross Section
-100.0 To 424.9 %
Min Ratio
Max Ratio
TENDL Threshold 3.4683 MeV
JENDL5.0 Threshold 3.5263 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
8
4
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
30-Zn-70

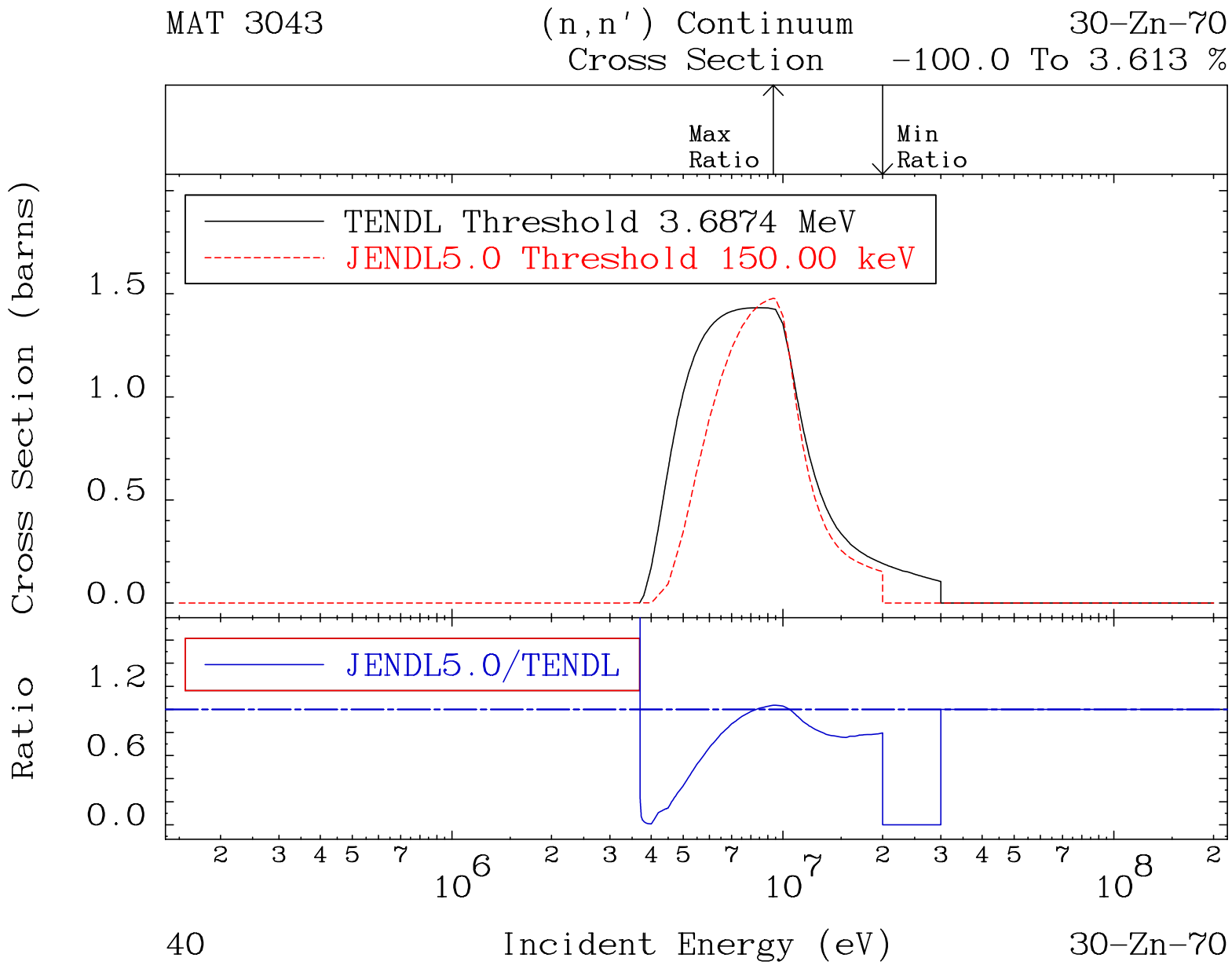

MAT 3043
MT= 76 (n,n') Level
30-Zn-70
Cross Section
-100.0 To 326.0 %
Min Ratio
Max Ratio
TENDL Threshold 3.5140 MeV
JENDL5.0 Threshold 3.5566 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
35
30-Zn-70

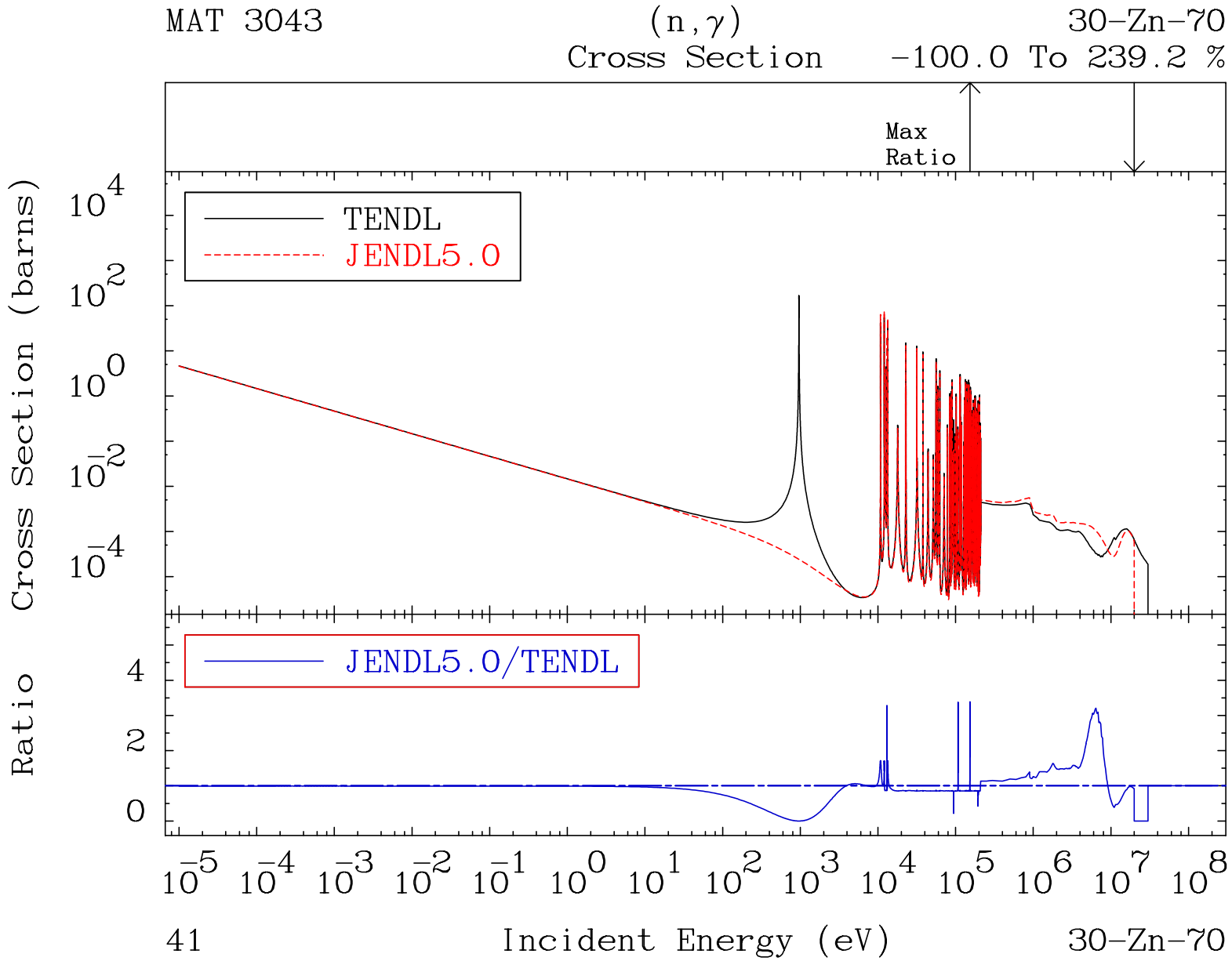

MAT 3043
MT= 77 (n,n') Level
30-Zn-70
Cross Section -100.0 To 615.3 %
Min Ratio
Max Ratio
TENDL Threshold 3.5268 MeV
JENDL5.0 Threshold 3.6503 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
8
4
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
36
Incident Energy (eV)
30-Zn-70

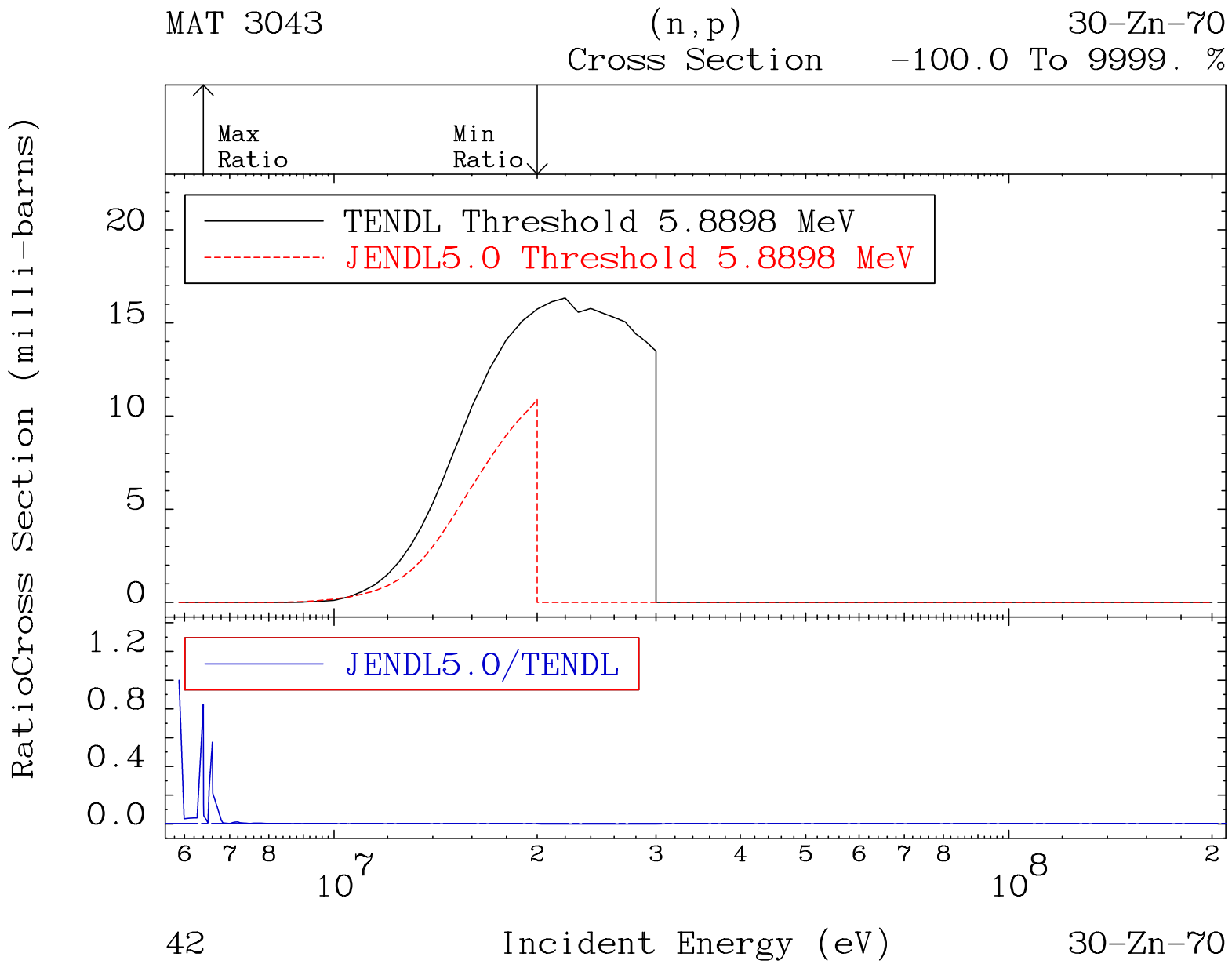

MAT 3043
MT= 78 (n,n') Level
30-Zn-70
Cross Section
-100.0 To 995.3 %
Min Ratio
Max Ratio
TENDL Threshold 3.5566 MeV
JENDL5.0 Threshold 3.6870 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
12
6
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
37
Incident Energy (eV)
30-Zn-70

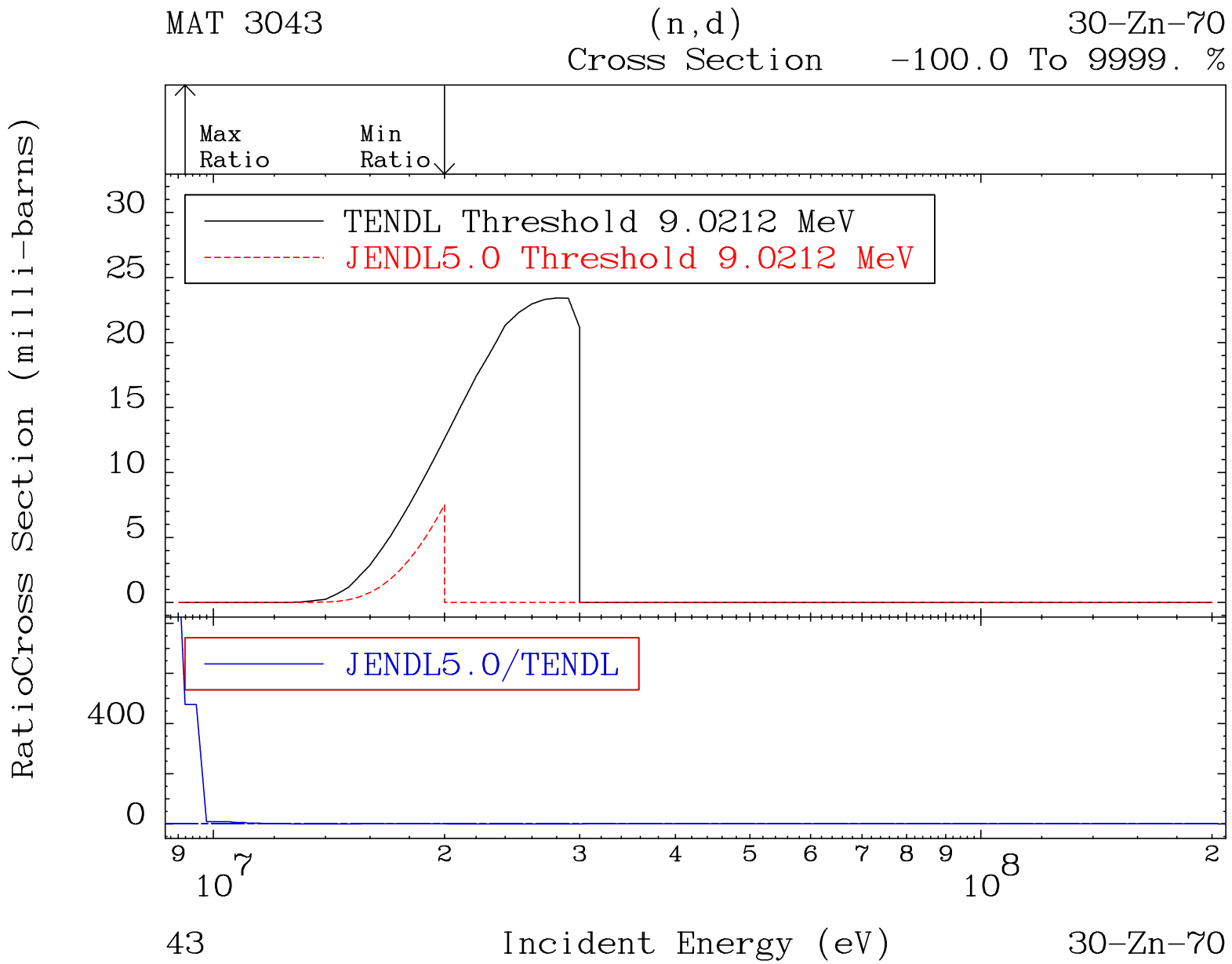

MAT 3043
MT= 79 (n,n') Level
30-Zn-70
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.6509 MeV
JENDL5.0 Threshold 3.7331 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
10
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
38
Incident Energy (eV)
30-Zn-70

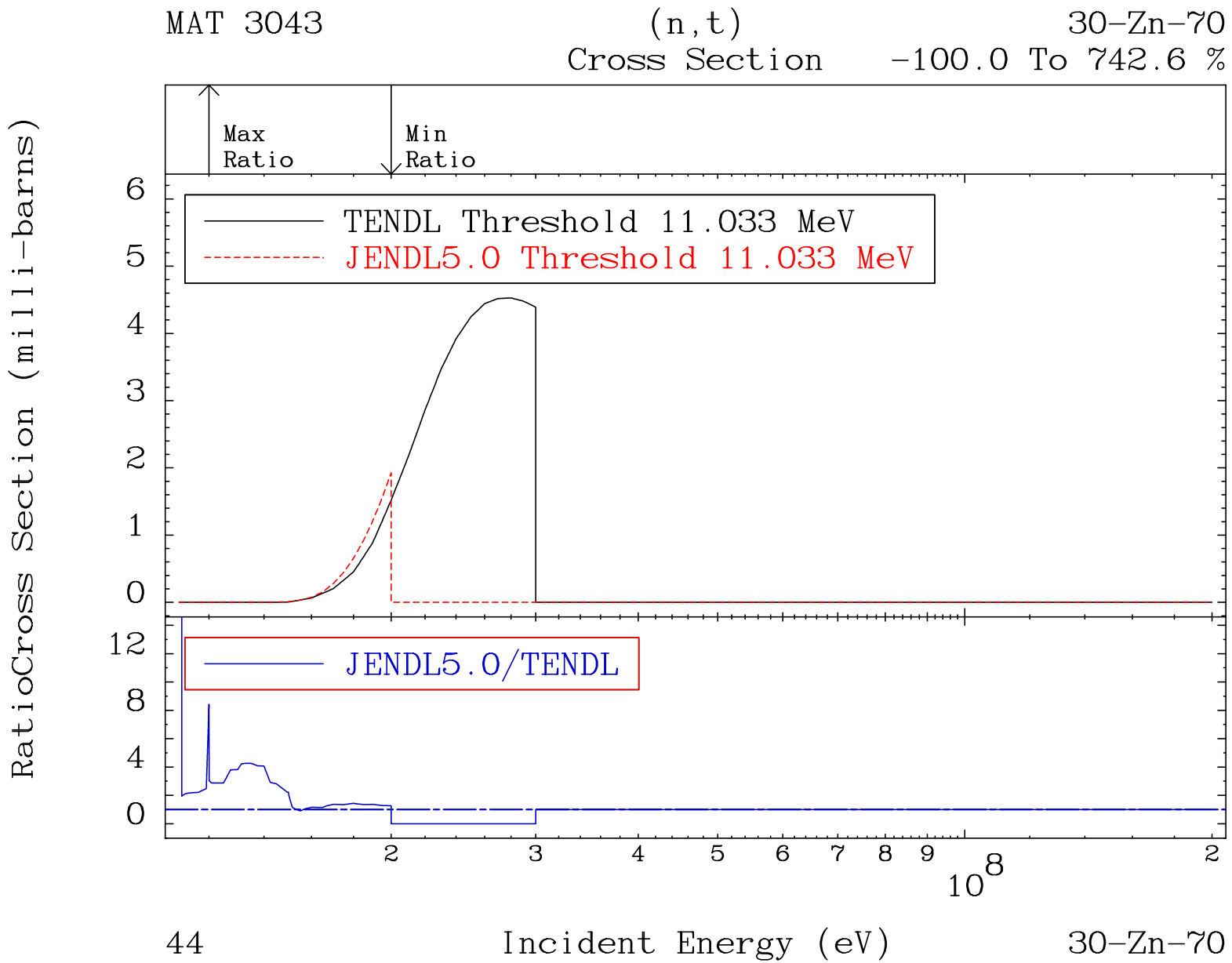

MAT 3043
MT= 80 (n,n') Level
30-Zn-70
Cross Section
-100.0 To 484.6 %
Min Ratio
Max Ratio
TENDL Threshold 3.6874 MeV
JENDL5.0 Threshold 3.7638 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
8
4
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
39
Incident Energy (eV)
30-Zn-70

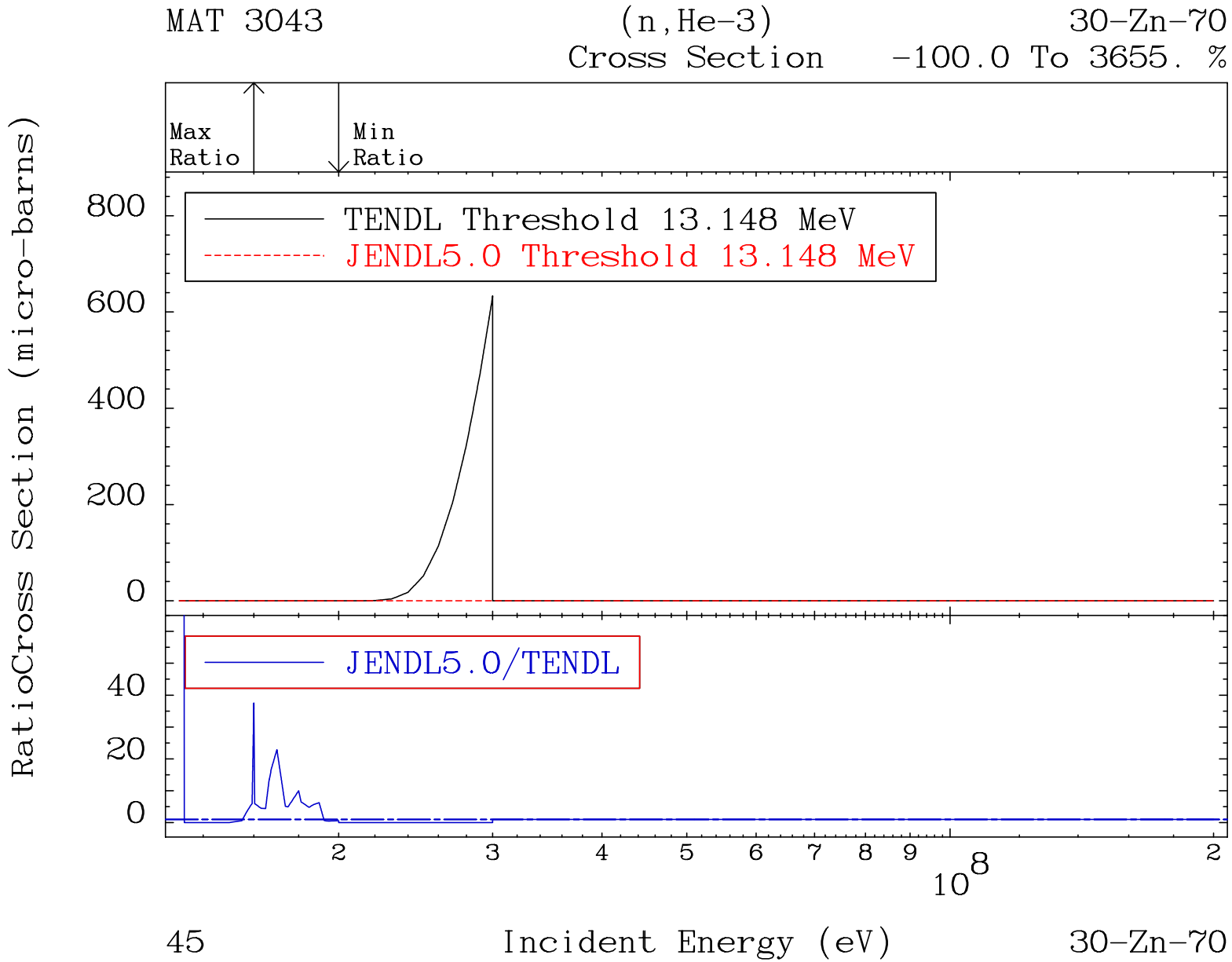

MAT 3043
(n,n') Continuum
Cross Section
30-Zn-70
-100.0 To 3.613 %
Max Ratio
Min Ratio
TENDL Threshold 3.6874 MeV
JENDL5.0 Threshold 150.00 keV
Cross Section (barns)
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
1.2
0.6
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
40
Incident Energy (eV)
30-Zn-70

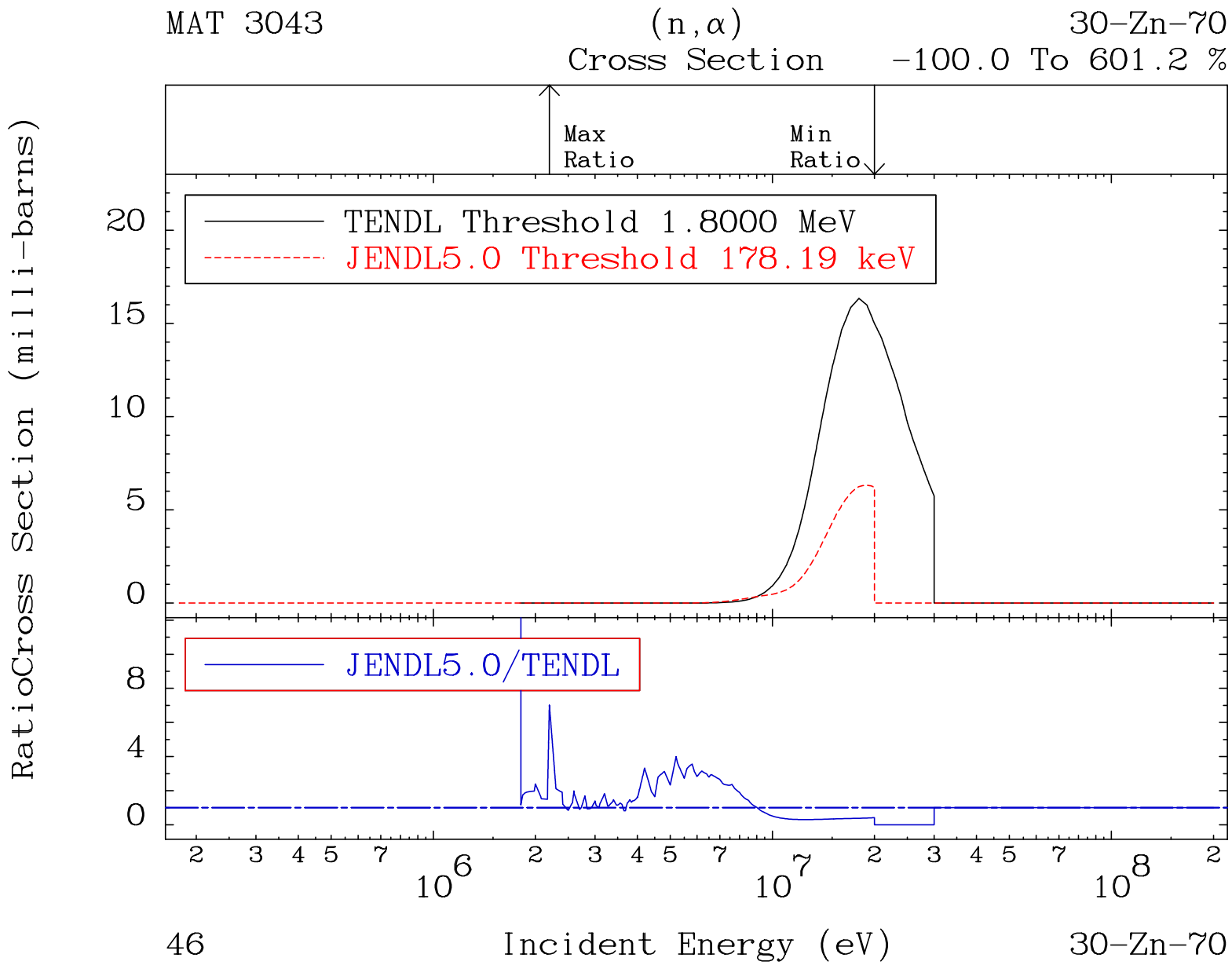

MAT 3043
(n,γ)
Cross Section
30-Zn-70
-100.0 To 239.2 %
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
41
30-Zn-70

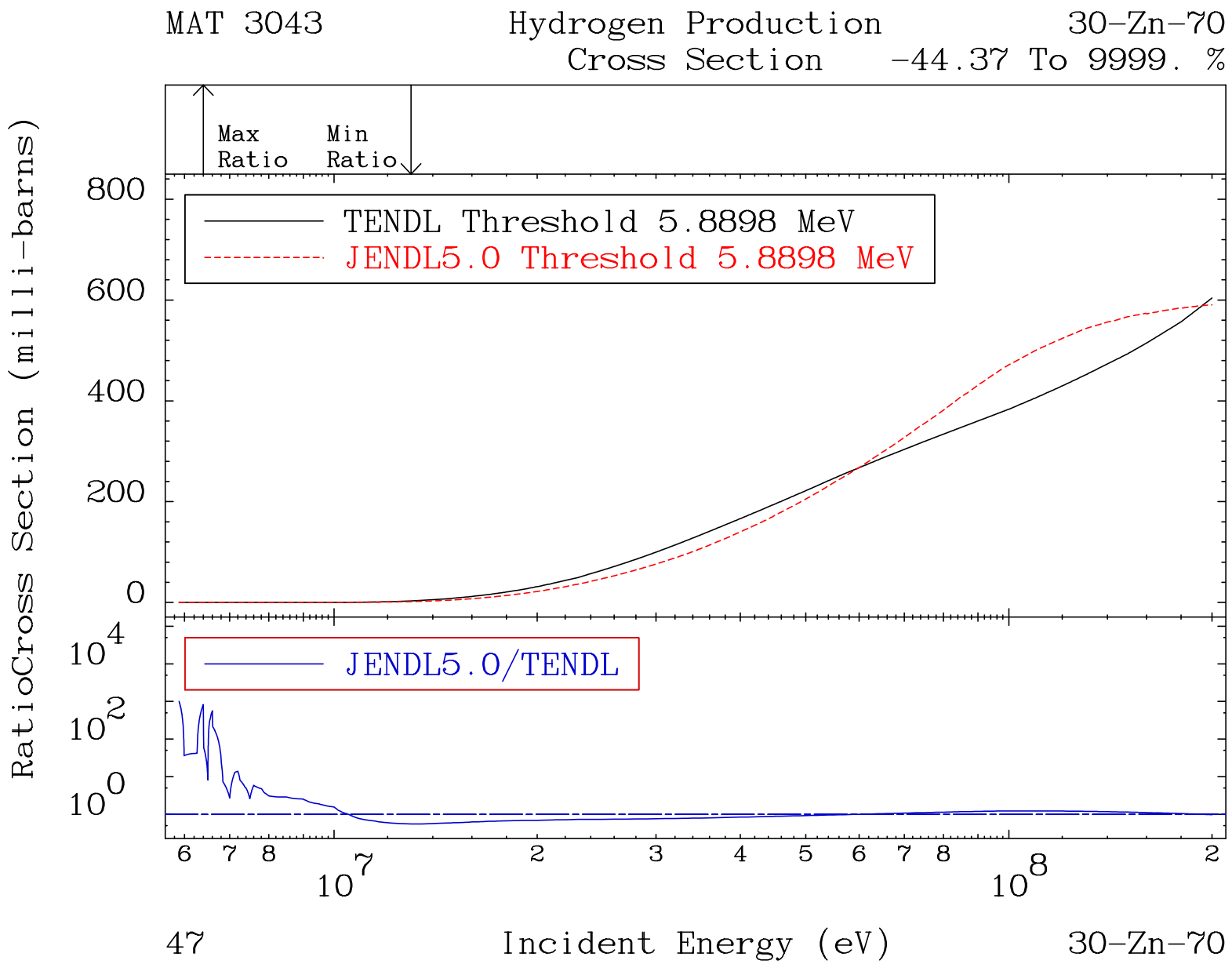

MAT 3043
(n,p)
30-Zn-70
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.8898 MeV
JENDL5.0 Threshold 5.8898 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
1.2
0.8
0.4
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
42
Incident Energy (eV)
30-Zn-70

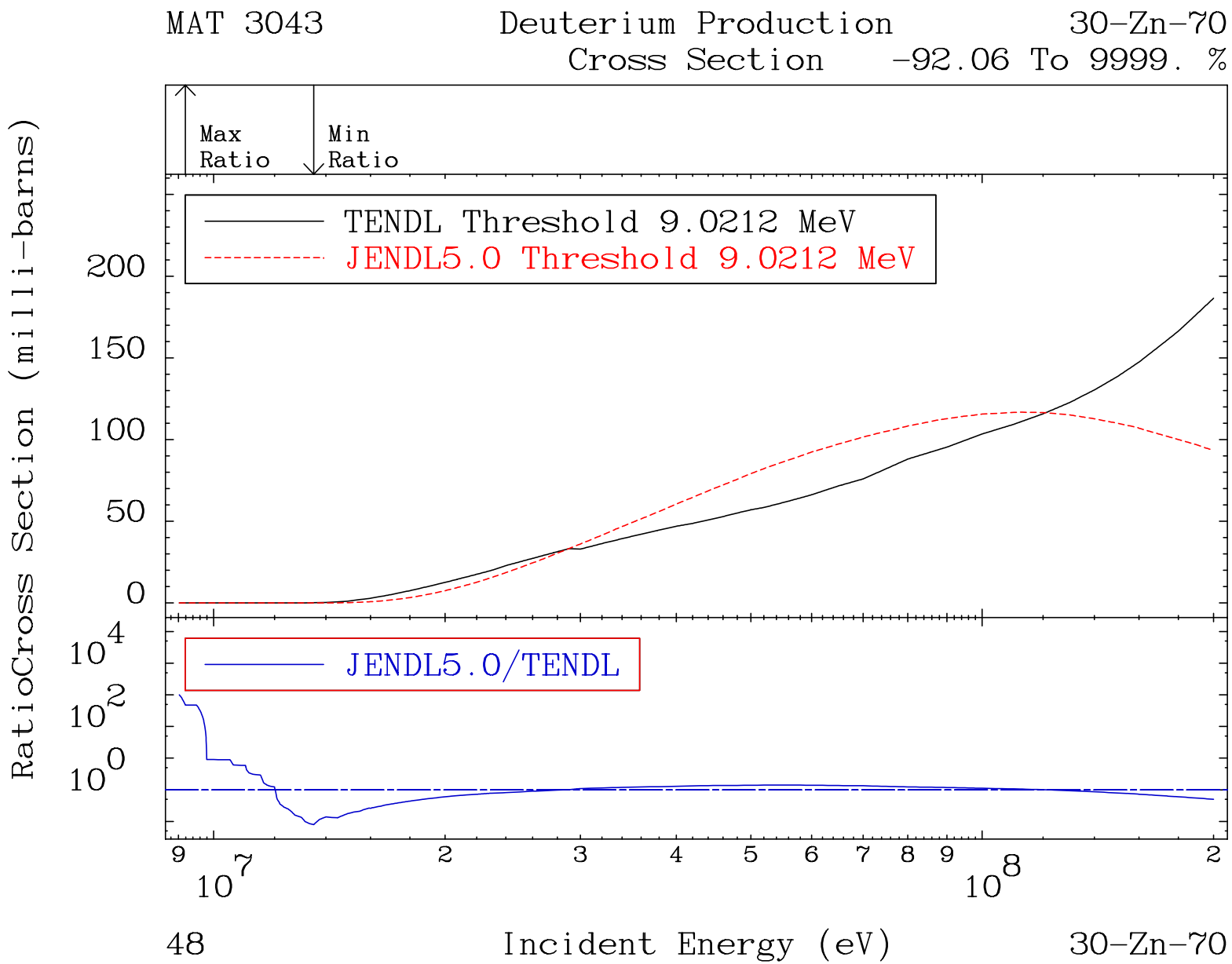

MAT 3043
(n,d)
30-Zn-70
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.0212 MeV
JENDL5.0 Threshold 9.0212 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
400
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
43
Incident Energy (eV)
30-Zn-70

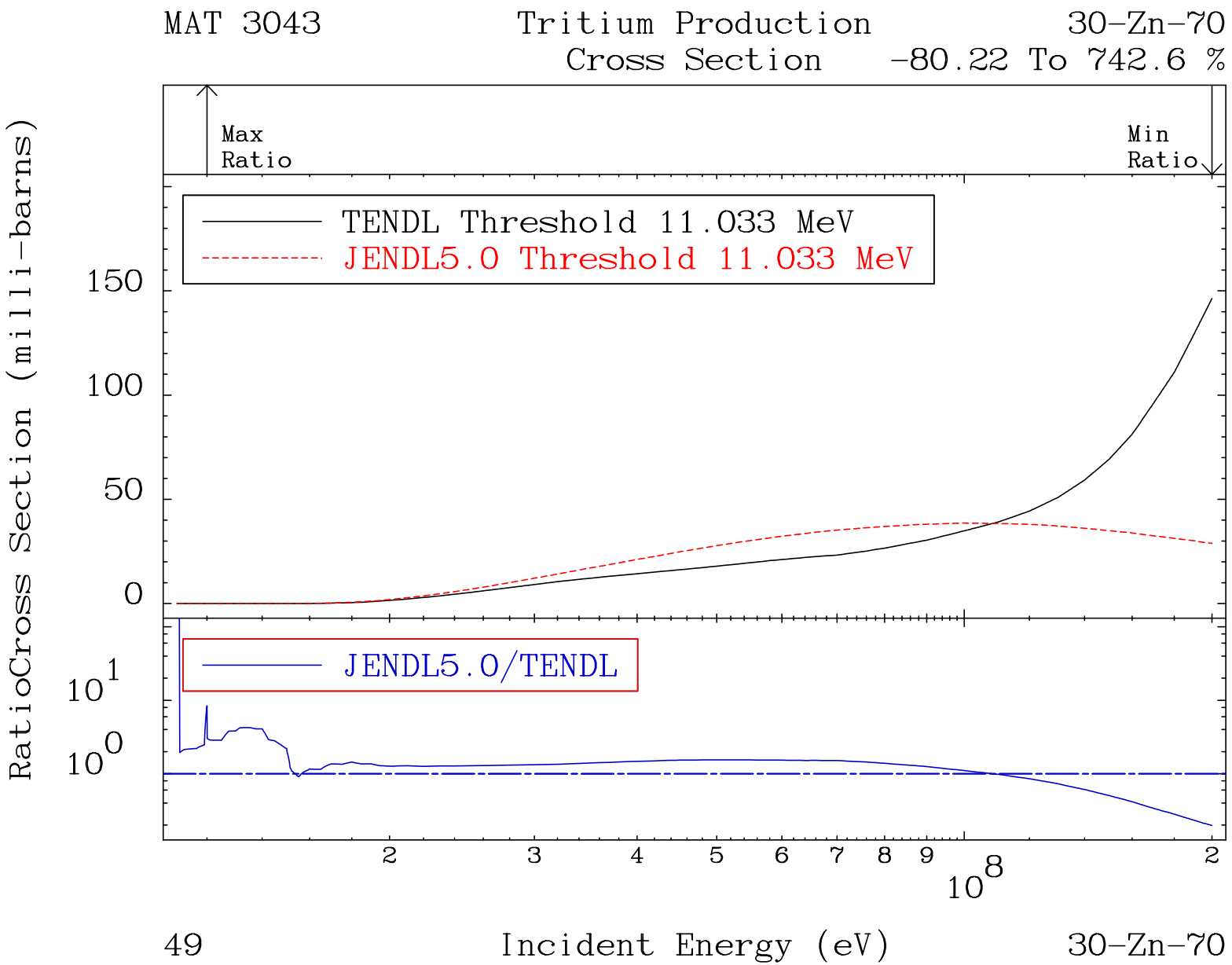

MAT 3043
(n,t)
Cross Section
30-Zn-70
-100.0 To 742.6 %
Max Ratio
Min Ratio
TENDL Threshold 11.033 MeV
JENDL5.0 Threshold 11.033 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
44
30-Zn-70

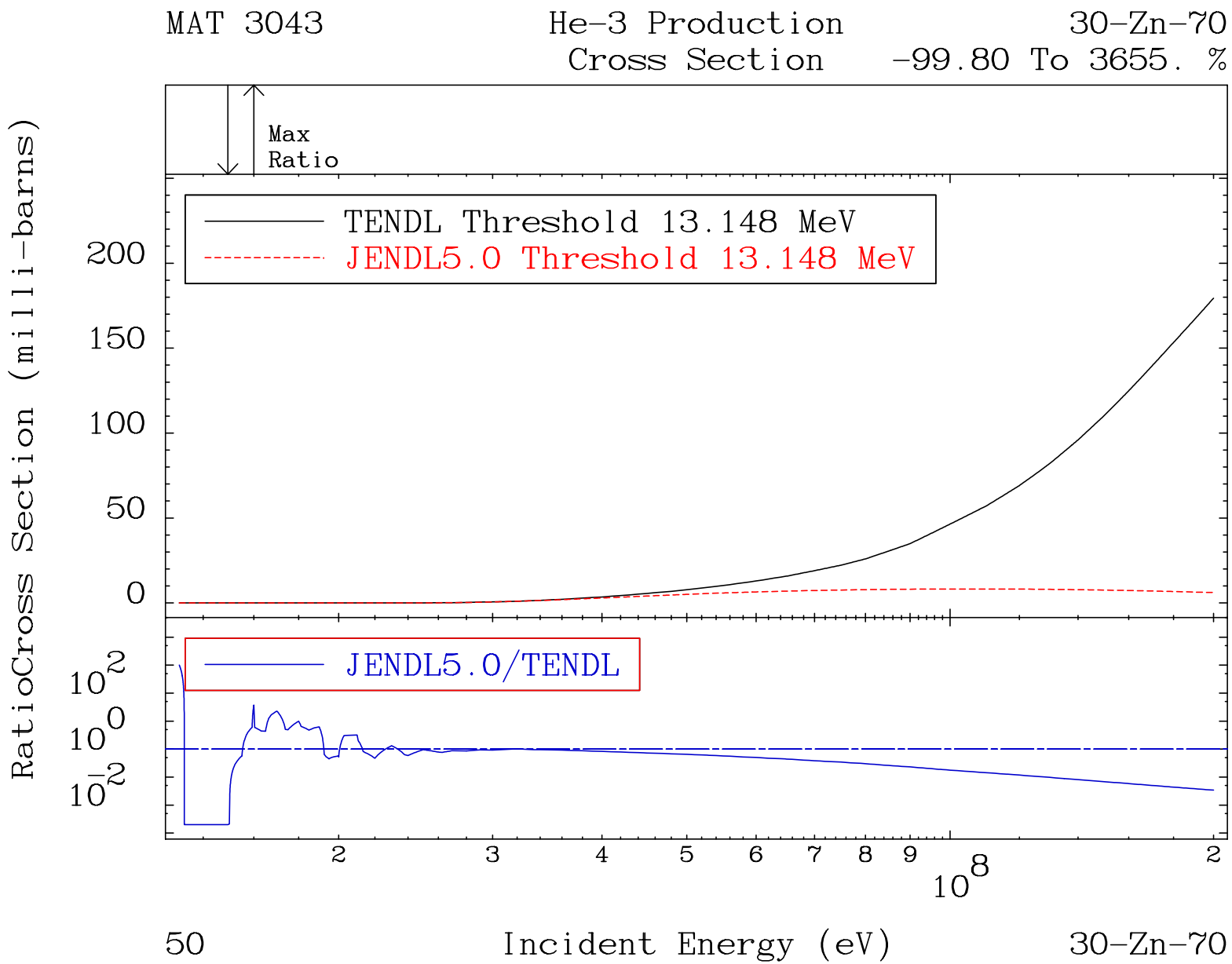

MAT 3043
(n,He-3)
30-Zn-70
Cross Section
-100.0 To 3655. %
Max Ratio
Min Ratio
TENDL Threshold 13.148 MeV
JENDL5.0 Threshold 13.148 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
800
600
400
200
0
40
20
0
2
3
4
5
6
7
8
9
2
10^8
45
Incident Energy (eV)
30-Zn-70

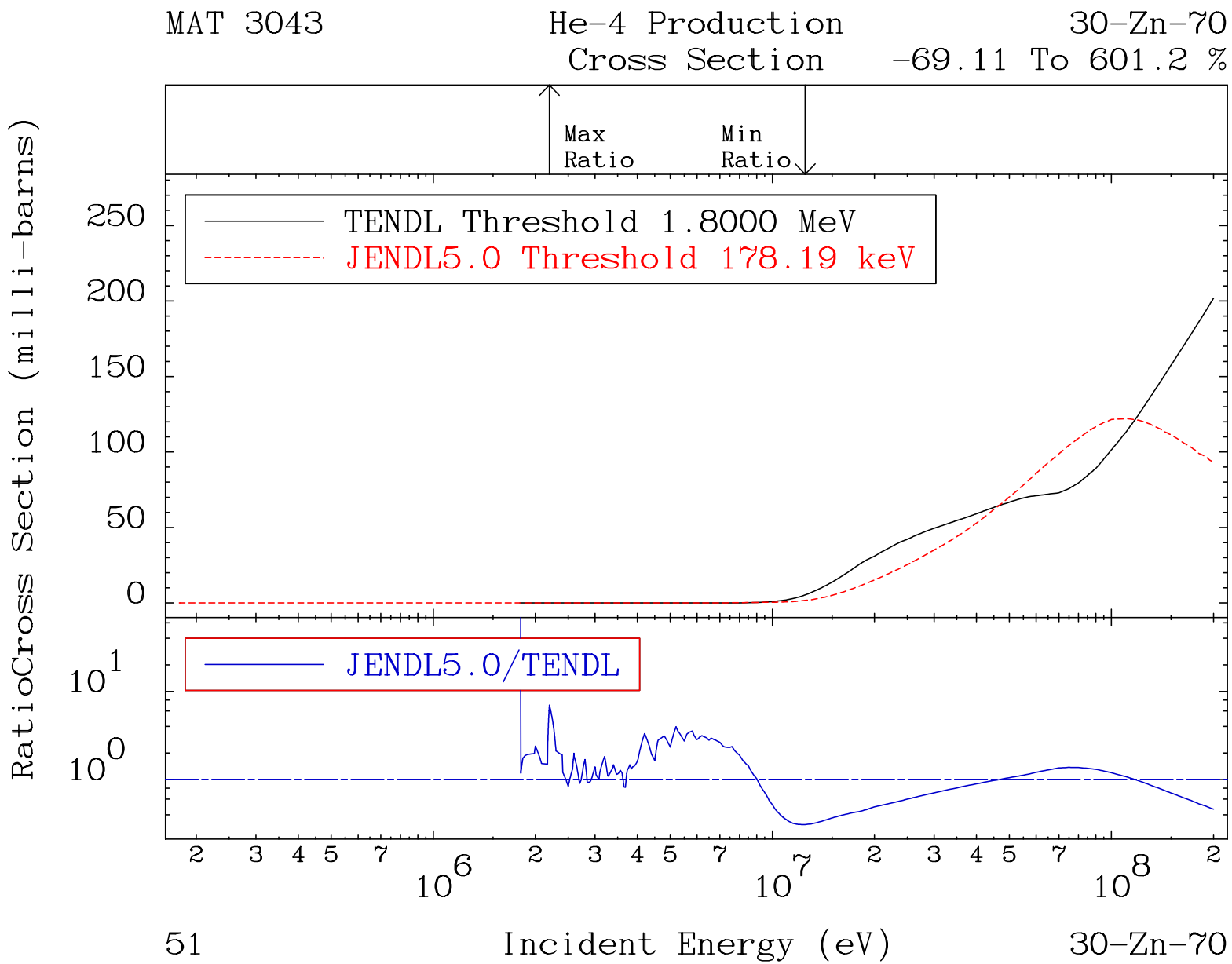

MAT 3043
(n,α)
30-Zn-70
Cross Section
-100.0 To 601.2 %
Max Ratio
Min Ratio
TENDL Threshold 1.8000 MeV
JENDL5.0 Threshold 178.19 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
8
4
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
46
Incident Energy (eV)
30-Zn-70

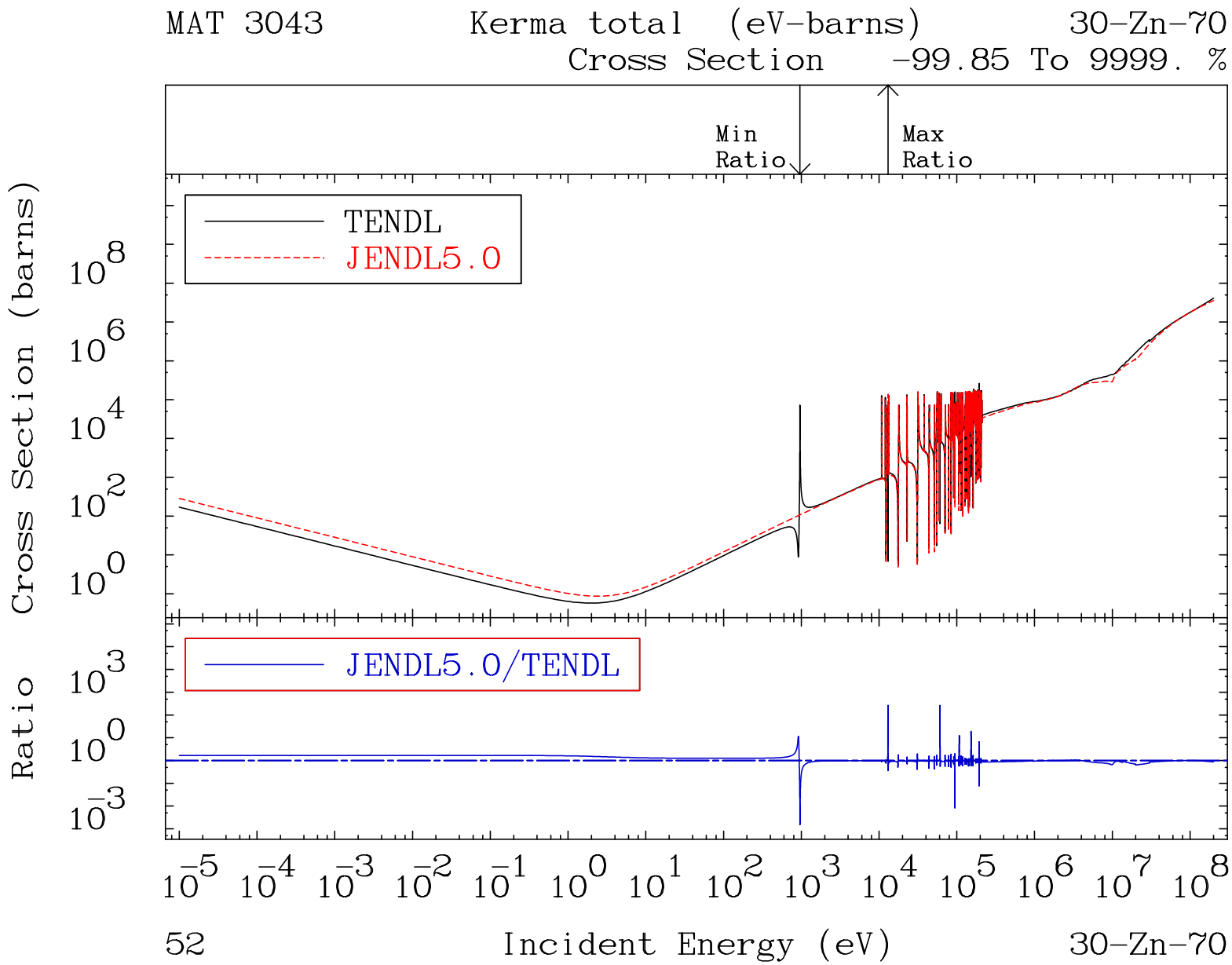

MAT 3043
Hydrogen Production
30-Zn-70
Cross Section -44.37 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.8898 MeV
JENDL5.0 Threshold 5.8898 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
10^4
10^2
10^0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
47
Incident Energy (eV)
30-Zn-70

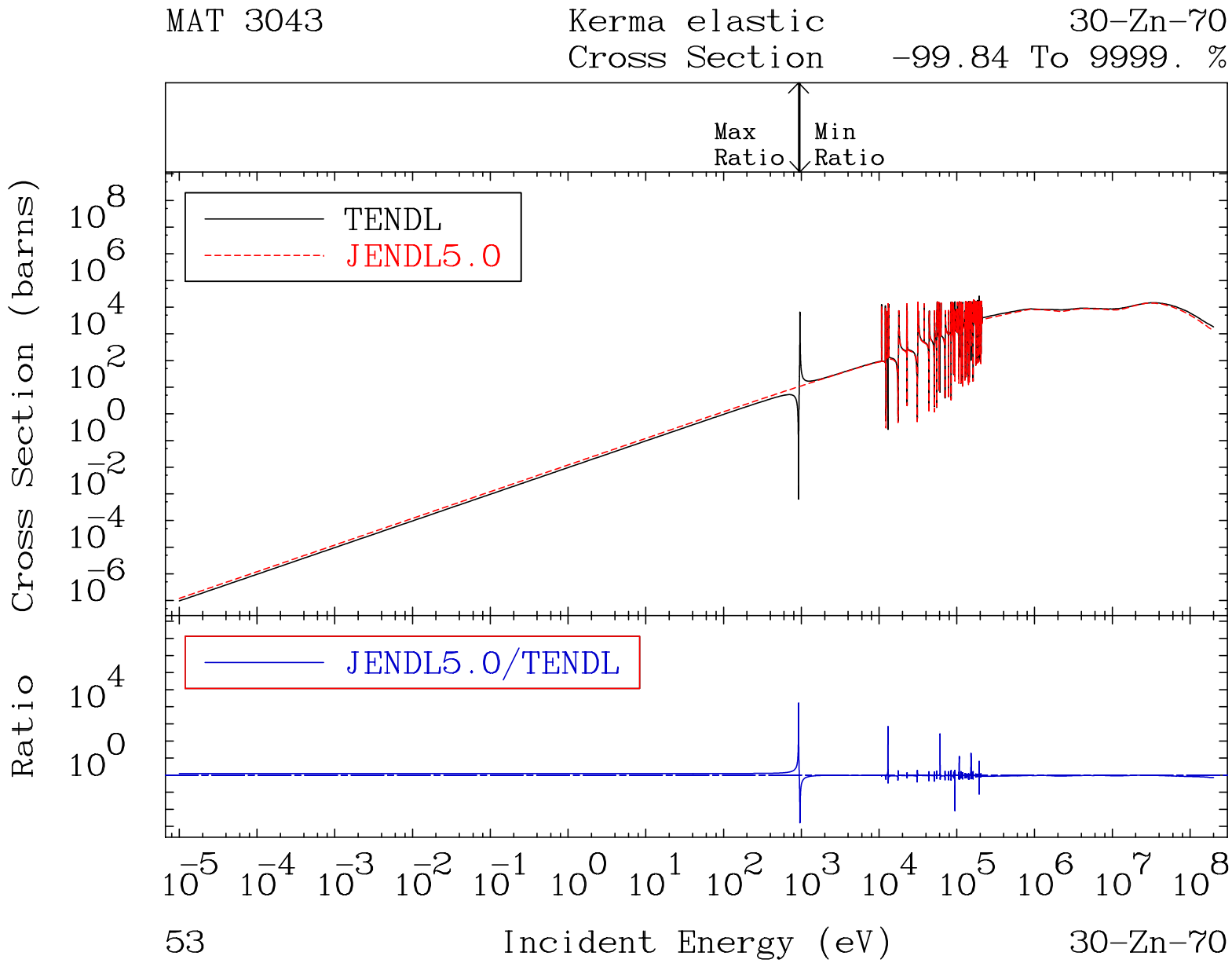

MAT 3043
Deuterium Production
30-Zn-70
Cross Section -92.06 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.0212 MeV
JENDL5.0 Threshold 9.0212 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
10^4
10^2
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
48
Incident Energy (eV)
30-Zn-70

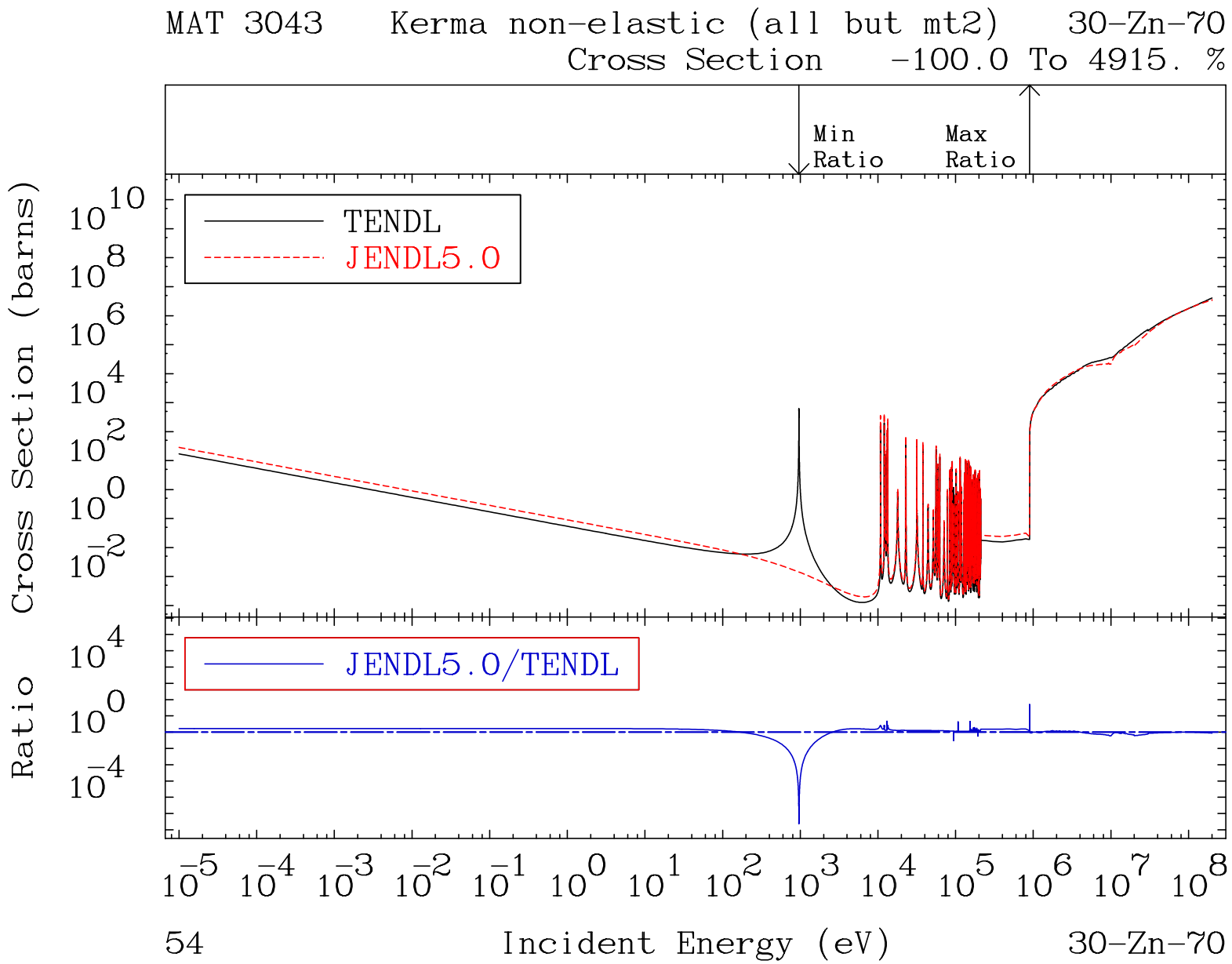

MAT 3043
Tritium Production
30-Zn-70
Cross Section
-80.22 To 742.6 %
Max Ratio
Min Ratio
TENDL Threshold 11.033 MeV
JENDL5.0 Threshold 11.033 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
150
100
50
0
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
49
Incident Energy (eV)
30-Zn-70

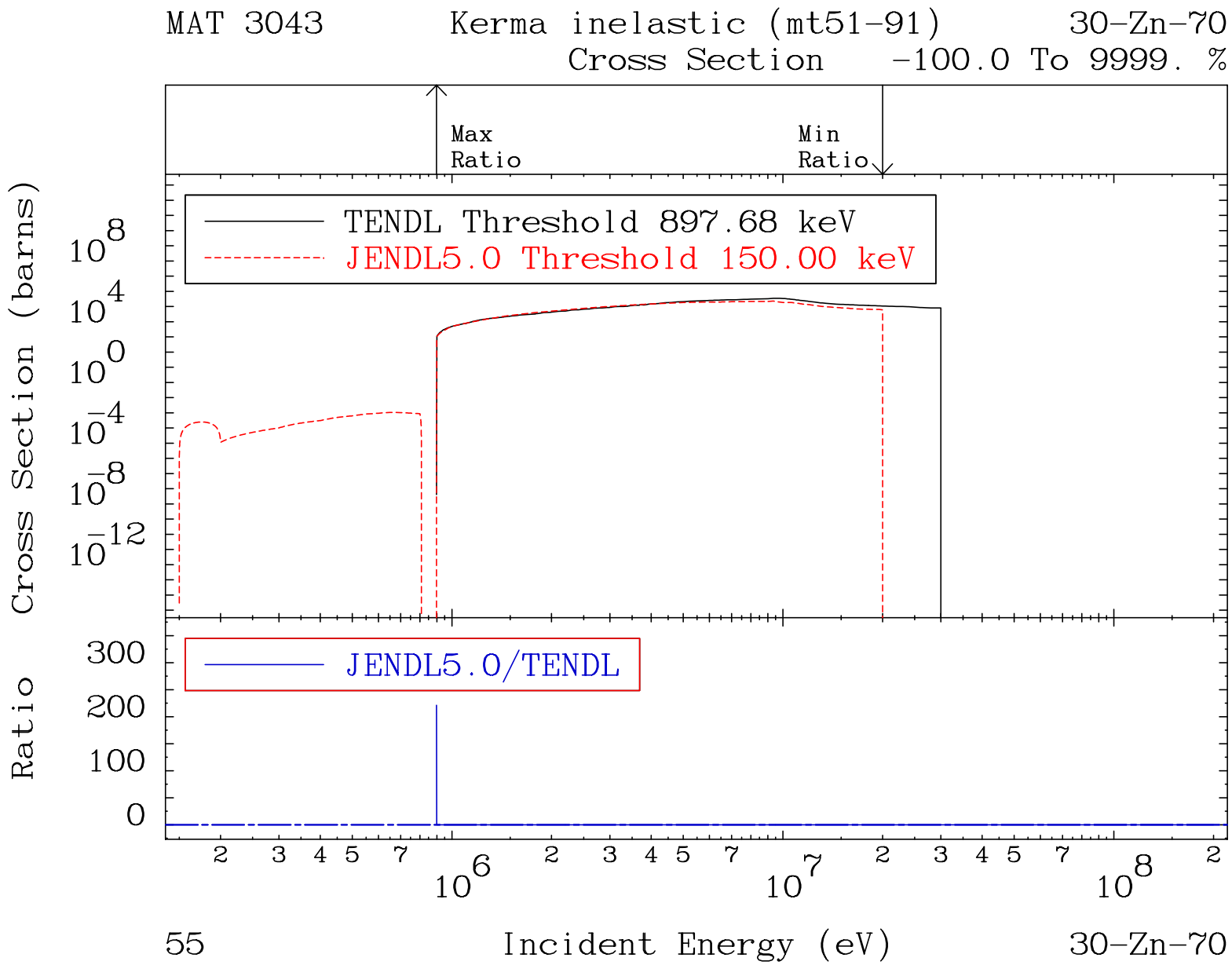

MAT 3043
He-3 Production
Cross Section
30-Zn-70
-99.80 To 3655. %
Max
Ratio
TENDL Threshold 13.148 MeV
JENDL5.0 Threshold 13.148 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
10^2
10^0
10^-2
2
3
4
5
6
7
8
9
10^8
2
50
Incident Energy (eV)
30-Zn-70

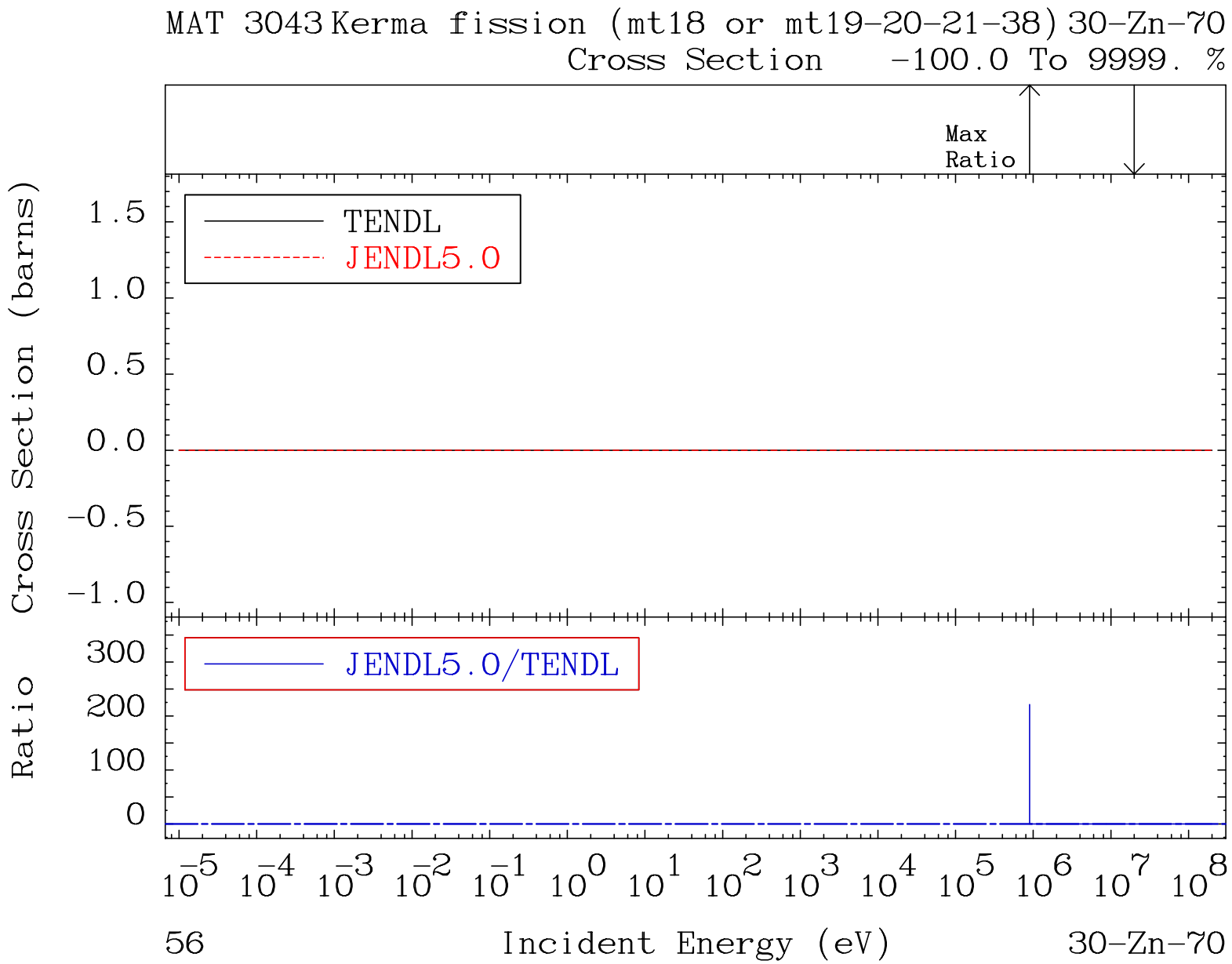

MAT 3043
He-4 Production
Cross Section
30-Zn-70
-69.11 To 601.2 %
Max Ratio
Min Ratio
TENDL Threshold 1.8000 MeV
JENDL5.0 Threshold 178.19 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
10^1
10^0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
51
Incident Energy (eV)
30-Zn-70

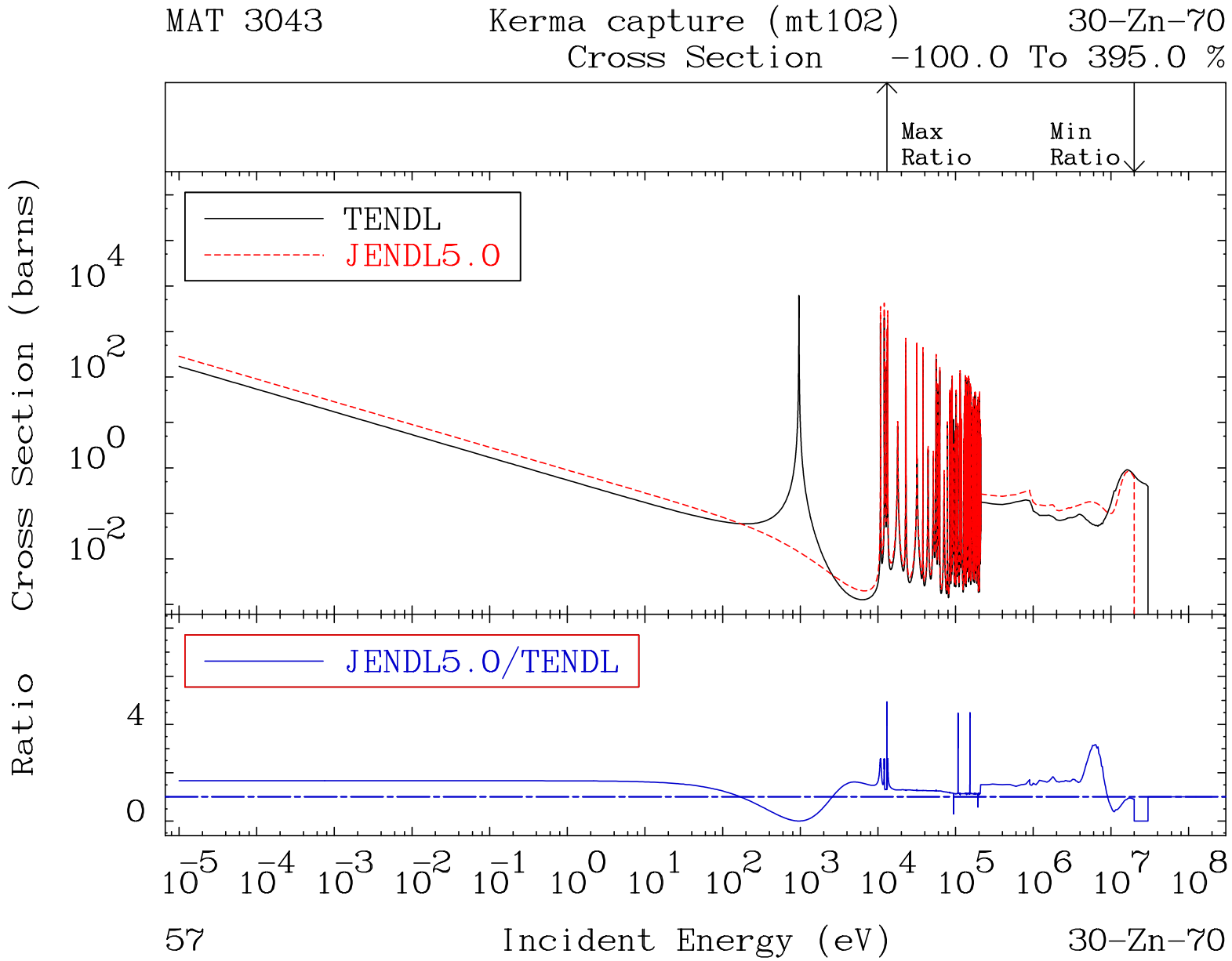

MAT 3043
Kerma total (eV-barns)
30-Zn-70
Cross Section -99.85 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
30-Zn-70

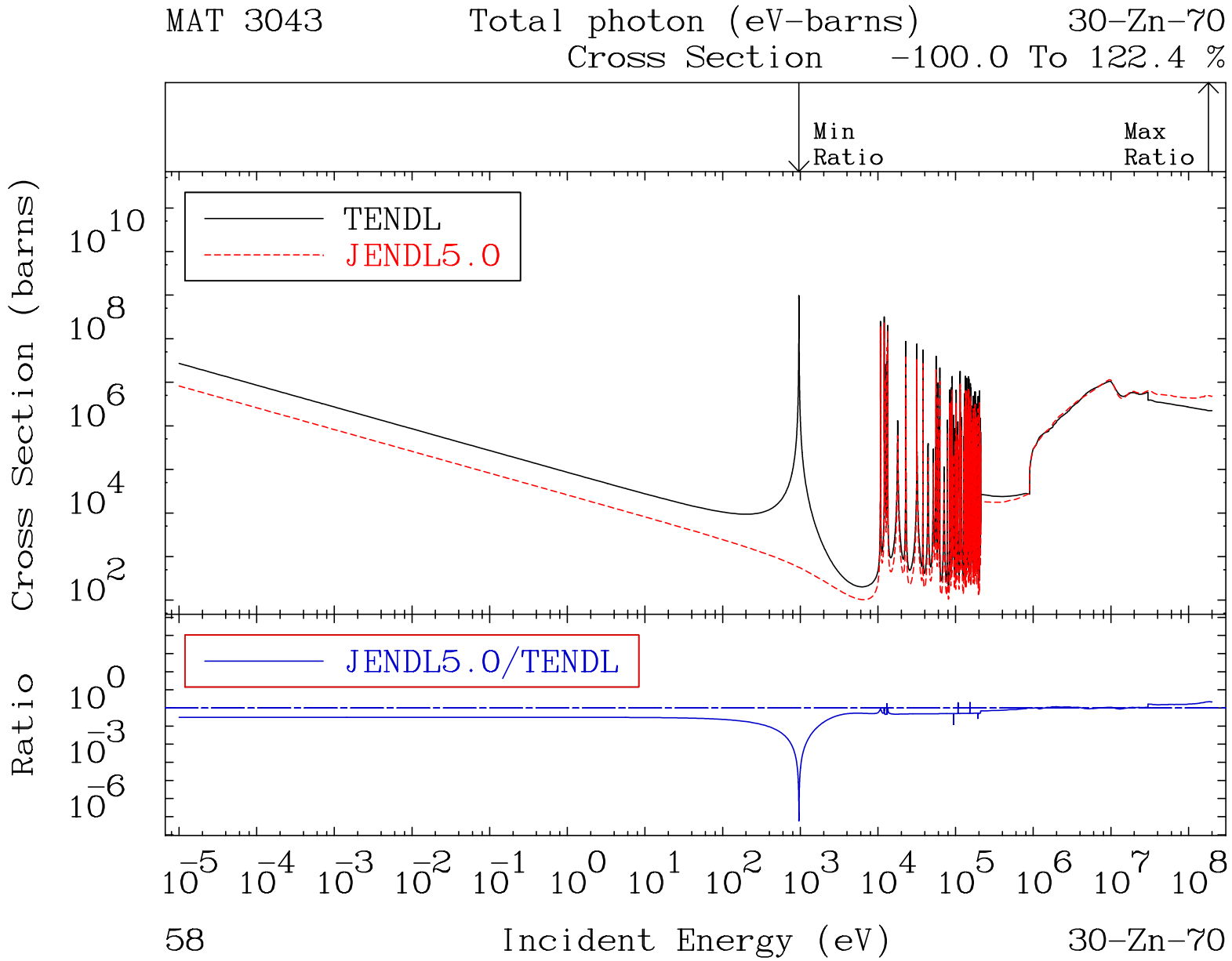

MAT 3043
Kerma elastic
Cross Section
30-Zn-70
-99.84 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
30-Zn-70

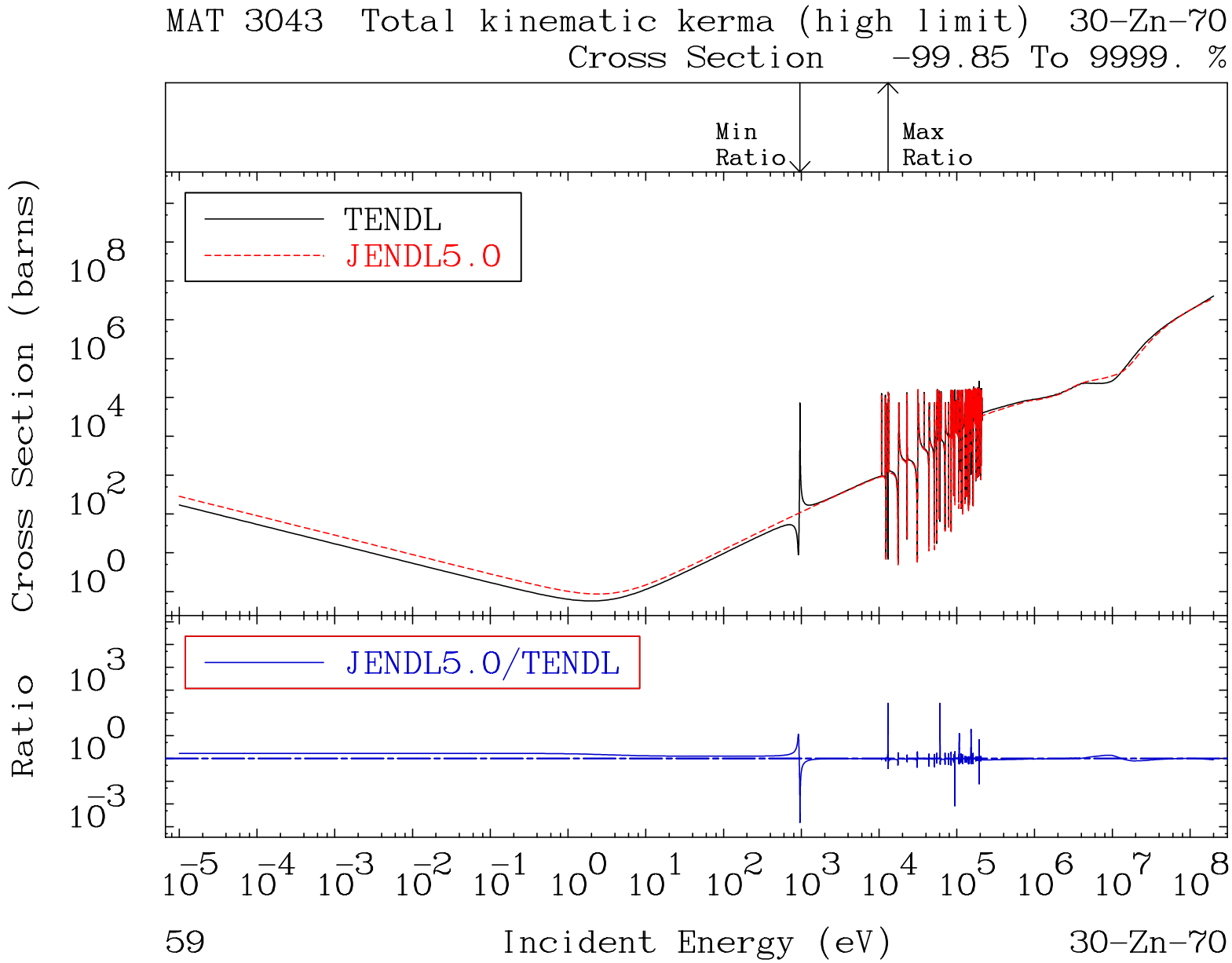

MAT 3043 Kerma non-elastic (all but mt2) 30-Zn-70
Cross Section -100.0 To 4915. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
30-Zn-70

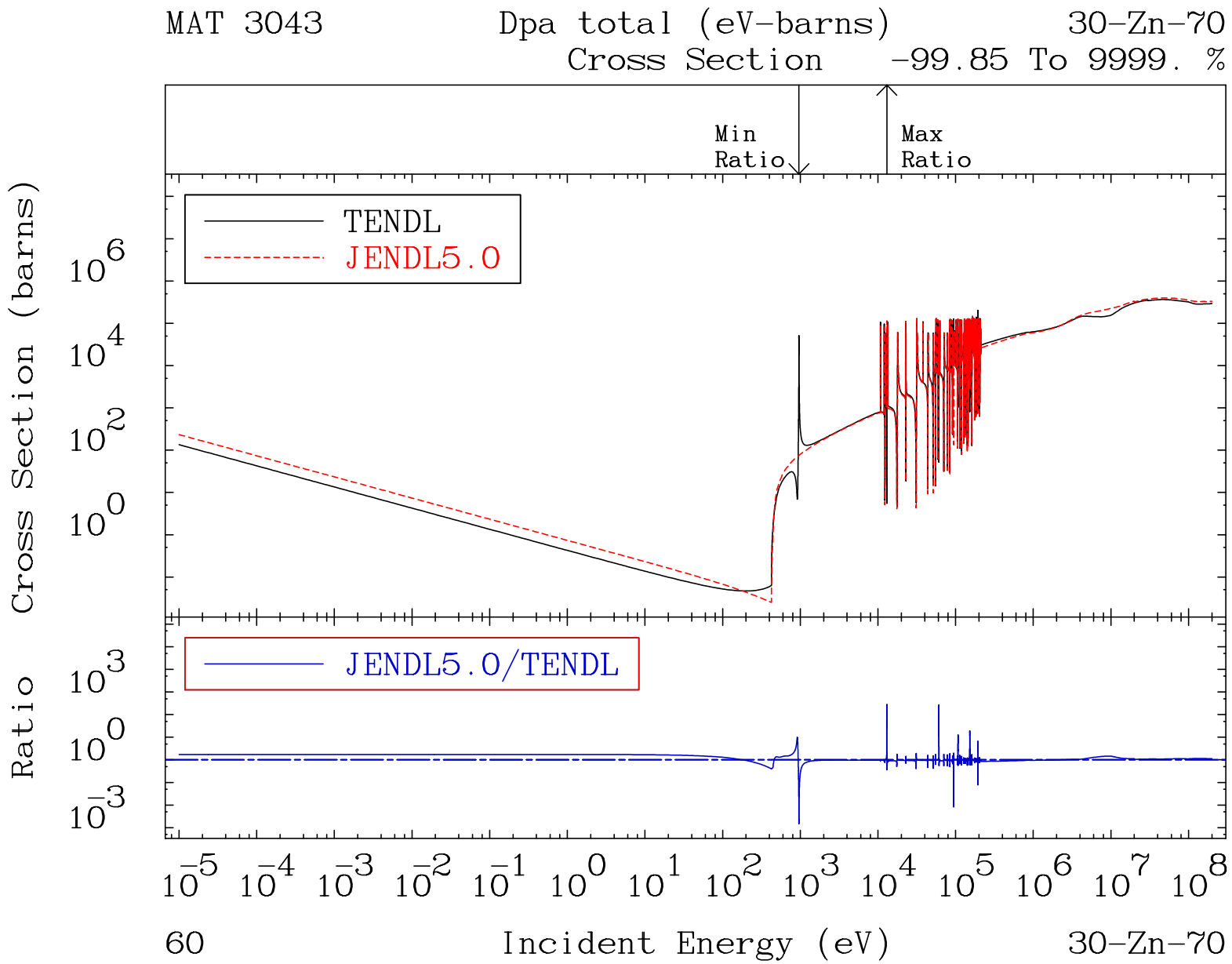

MAT 3043
Kerma inelastic (mt51-91)
30-Zn-70
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 897.68 keV
JENDL5.0 Threshold 150.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
55
30-Zn-70

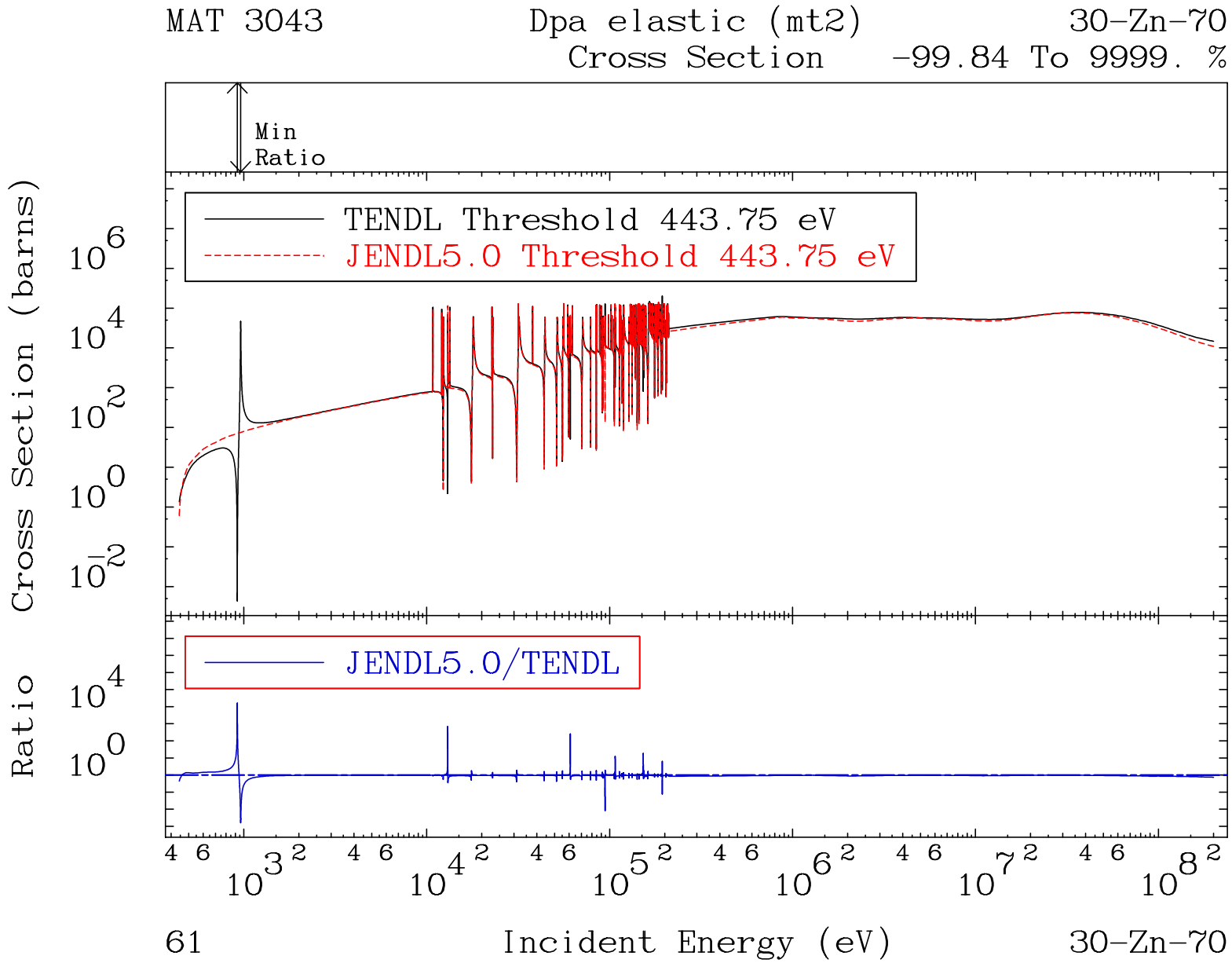

MAT 3043 Kerma fission (mt18 or mt19-20-21-38) 30-Zn-70
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
300
200
100
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
56
Incident Energy (eV)
30-Zn-70

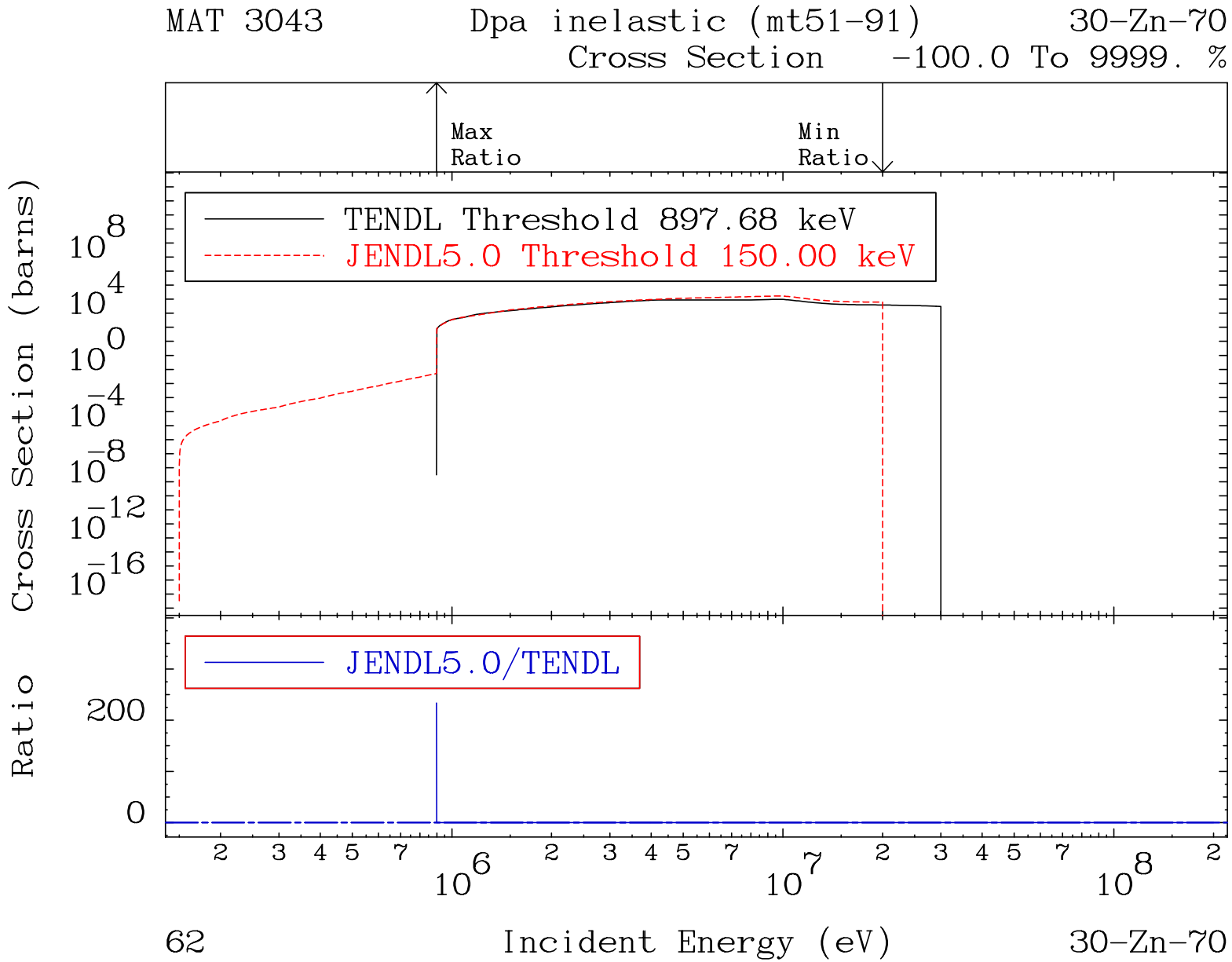

MAT 3043
Kerma capture (mt102)
30-Zn-70
Cross Section -100.0 To 395.0 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
57
30-Zn-70

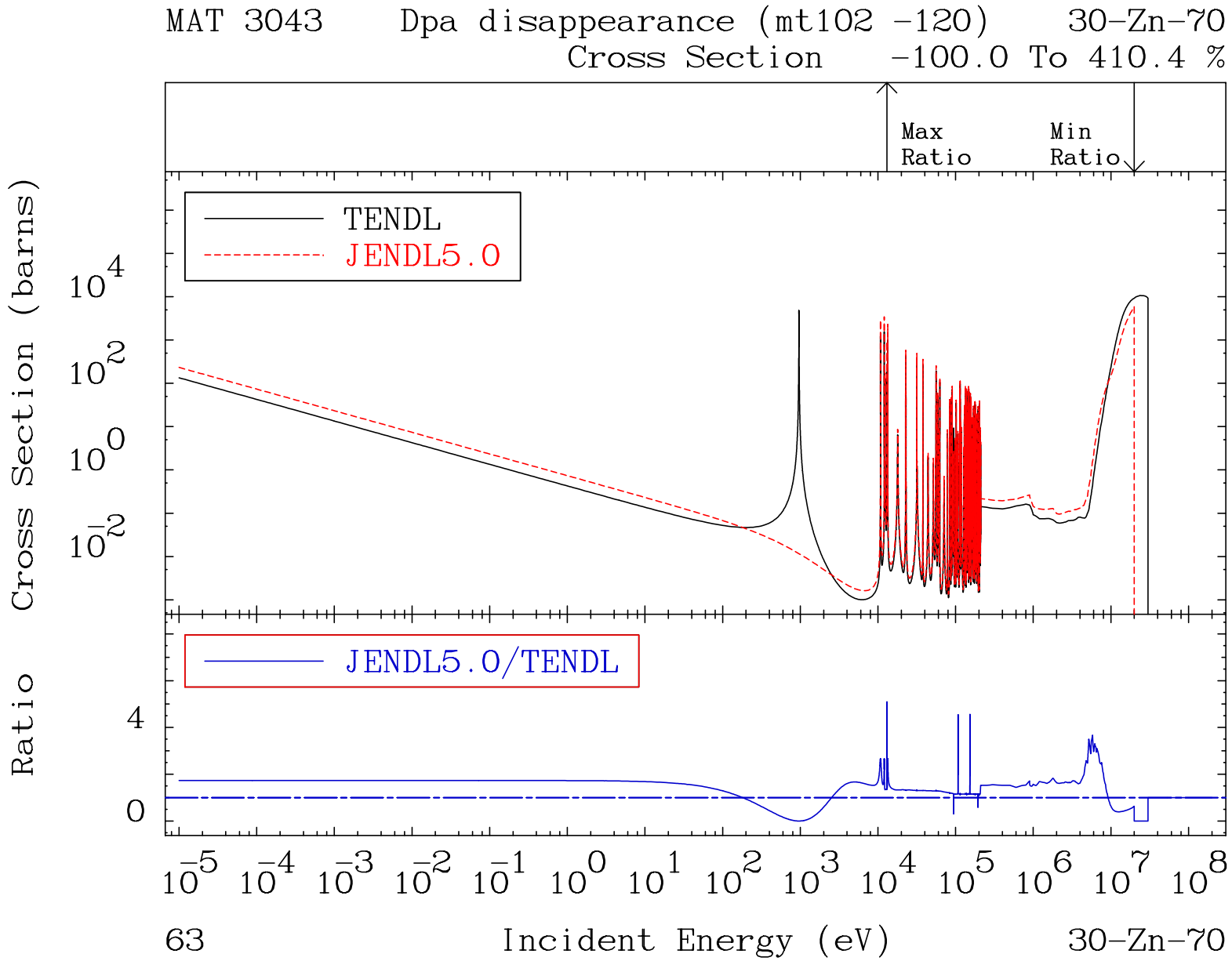

MAT 3043
Total photon (eV-barns)
30-Zn-70
Cross Section -100.0 To 122.4 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
30-Zn-70

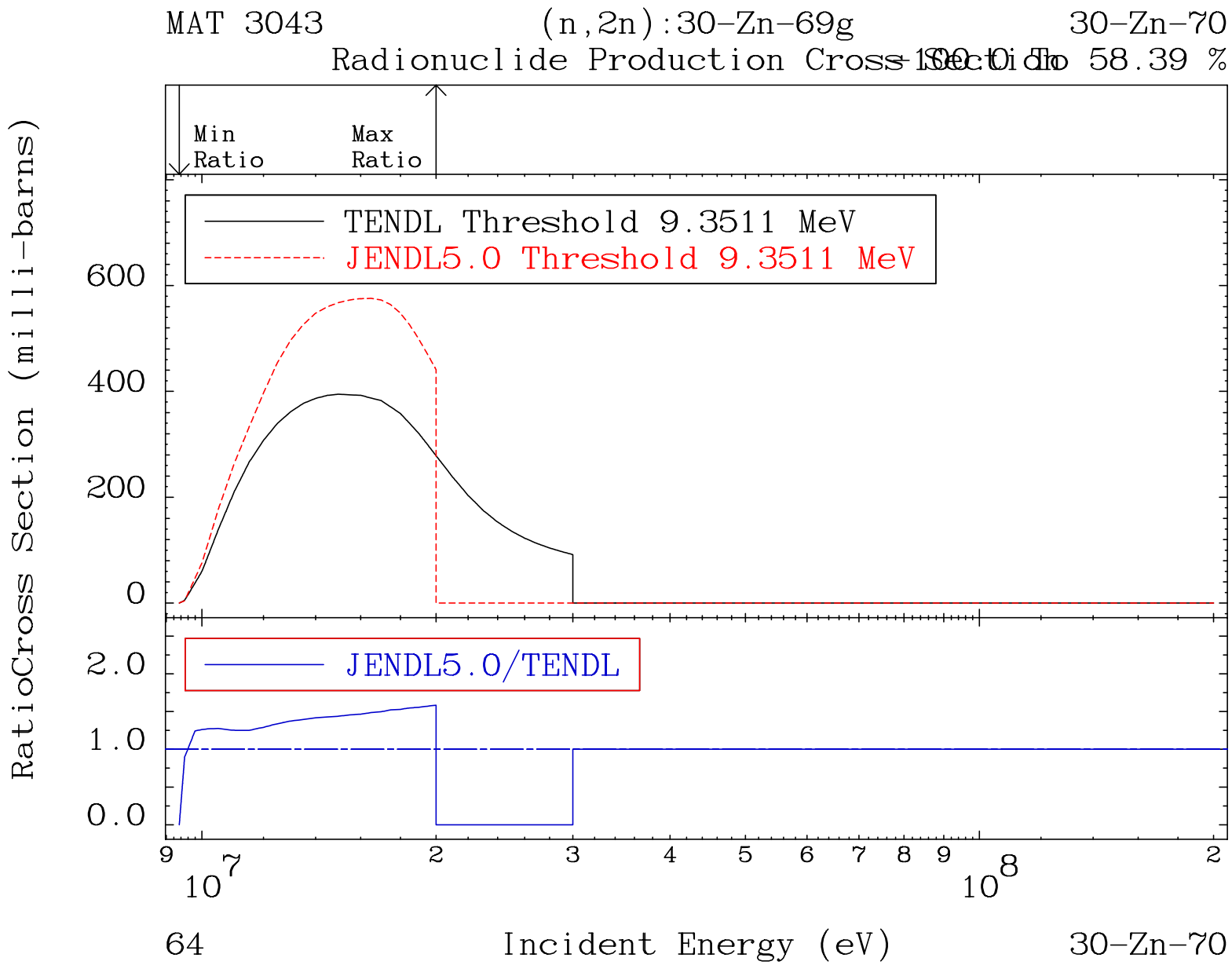

MAT 3043 Total kinematic kerma (high limit) 30-Zn-70
Cross Section -99.85 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
30-Zn-70

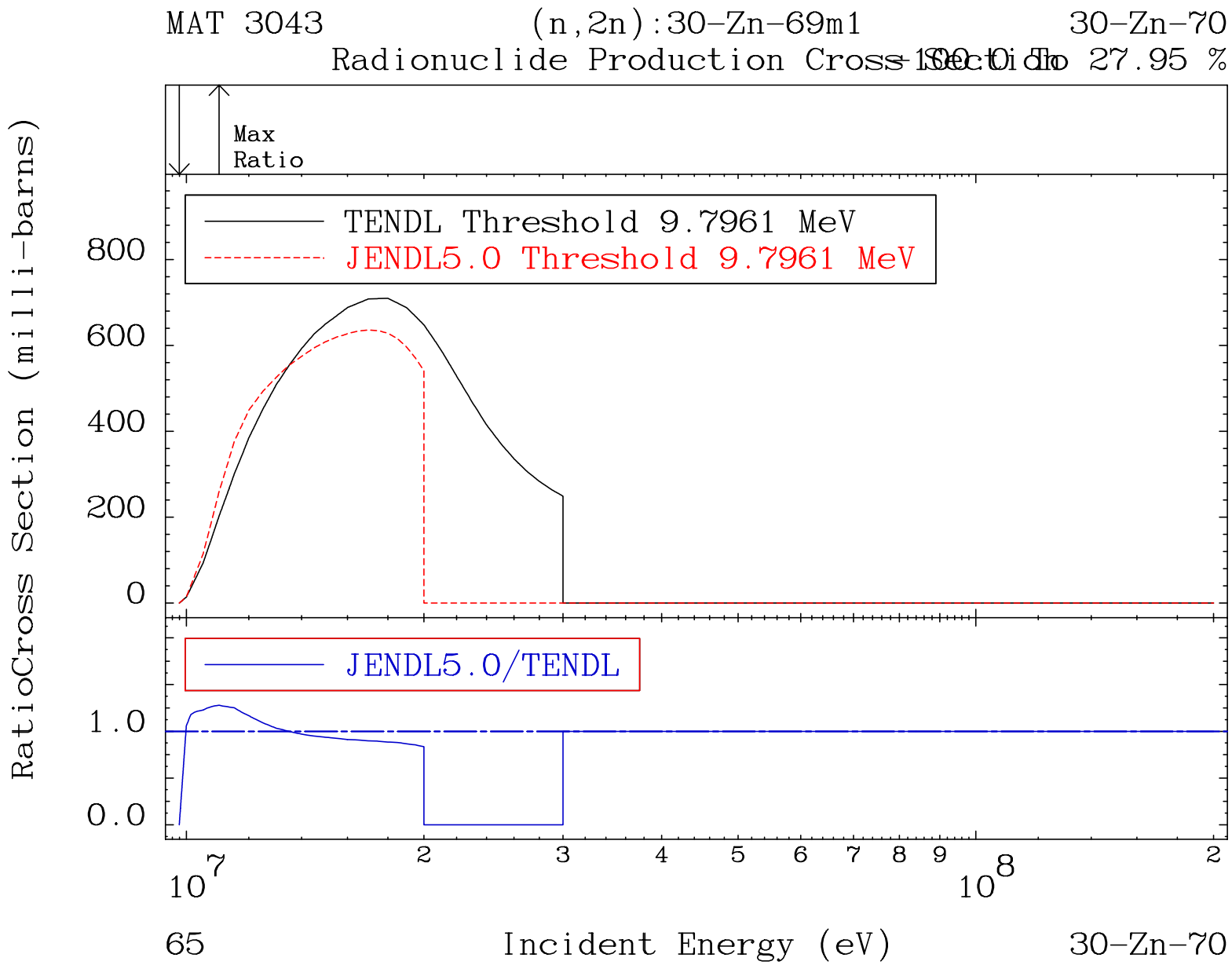

MAT 3043
Dpa total (eV-barns)
30-Zn-70
Cross Section
-99.85 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
30-Zn-70

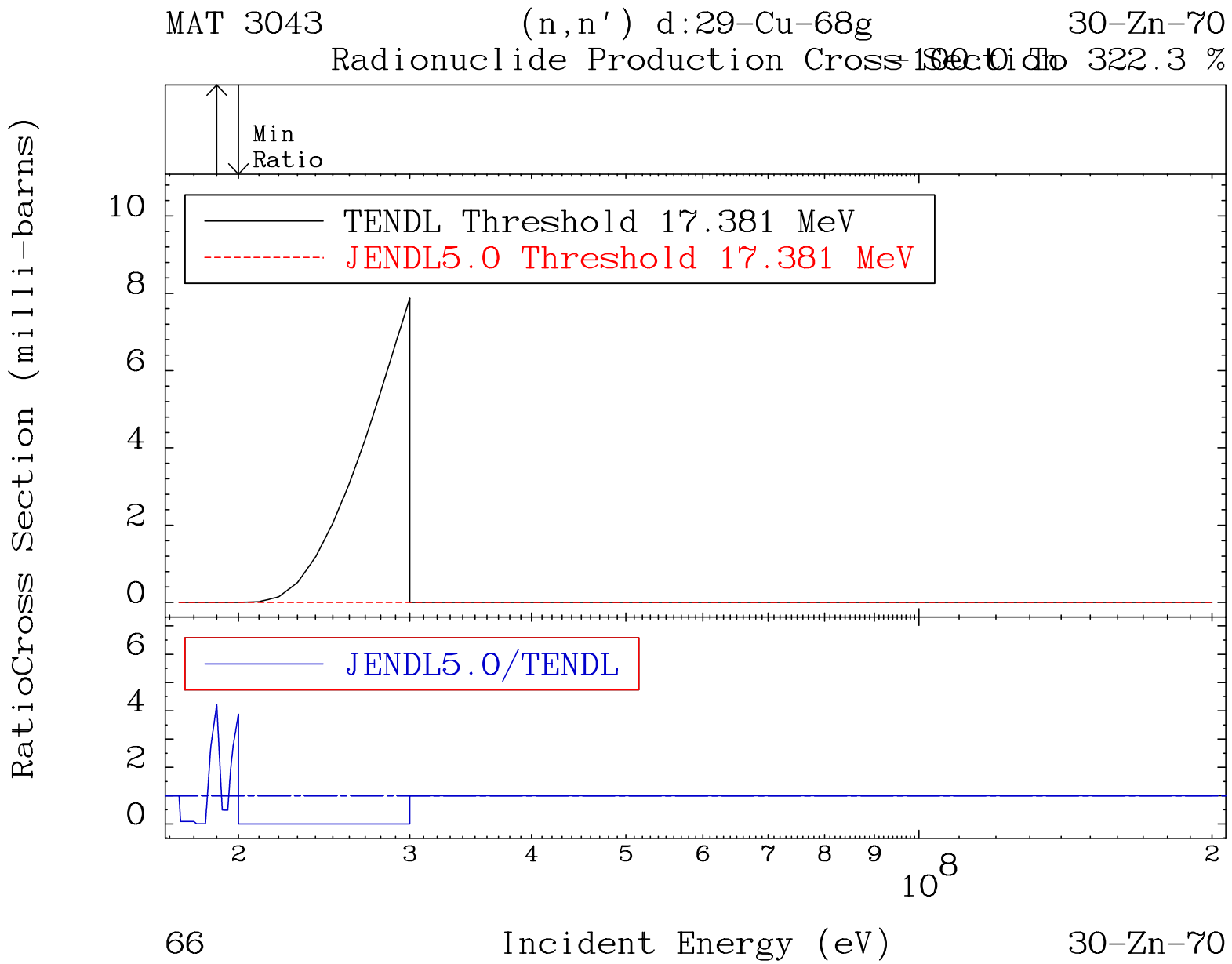

MAT 3043
Dpa elastic (mt2)
Cross Section
30-Zn-70
-99.84 To 9999. %
Min
Ratio
TENDL Threshold 443.75 eV
JENDL5.0 Threshold 443.75 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
30-Zn-70

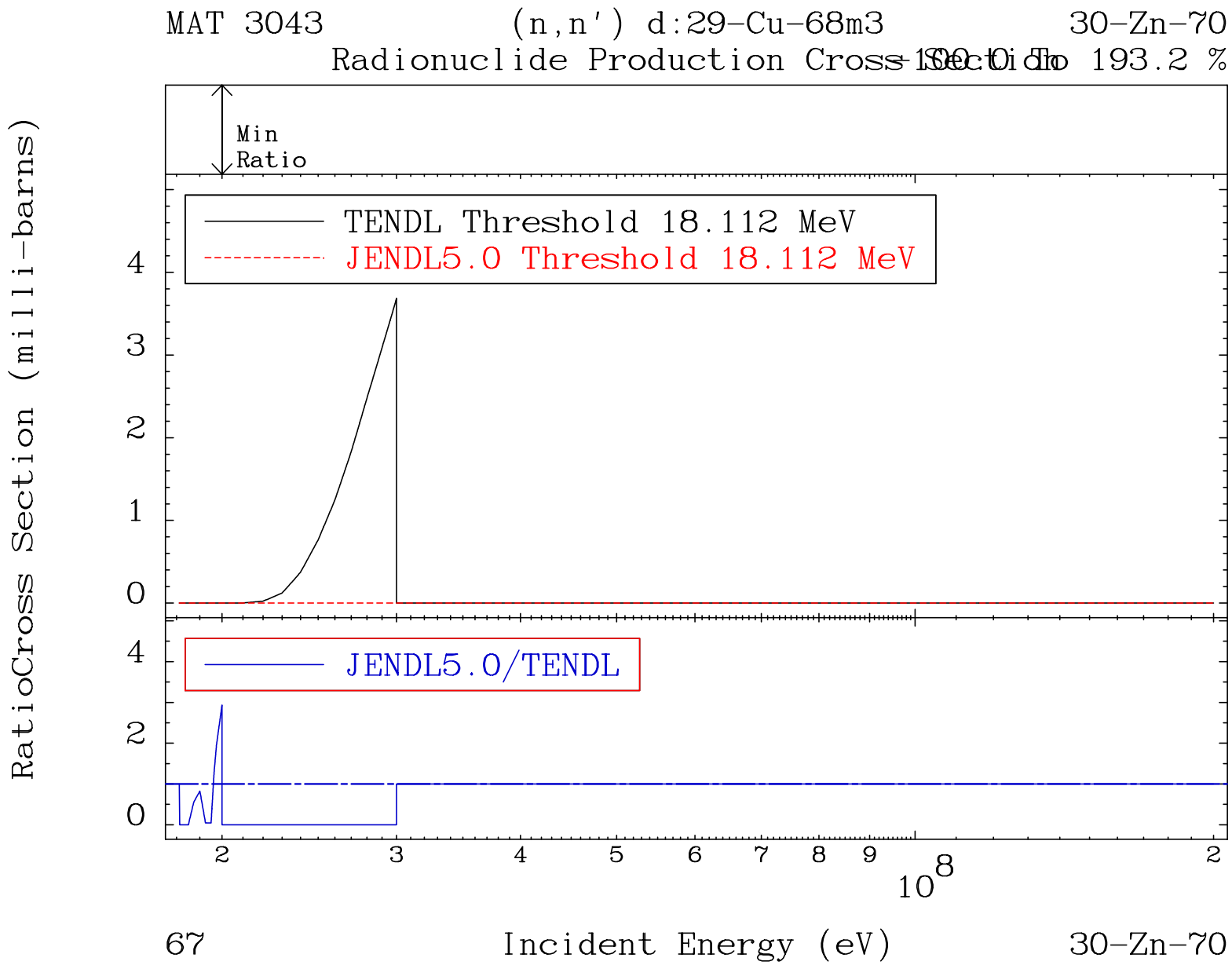

MAT 3043
Dpa inelastic (mt51-91)
30-Zn-70
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 897.68 keV
JENDL5.0 Threshold 150.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
30-Zn-70

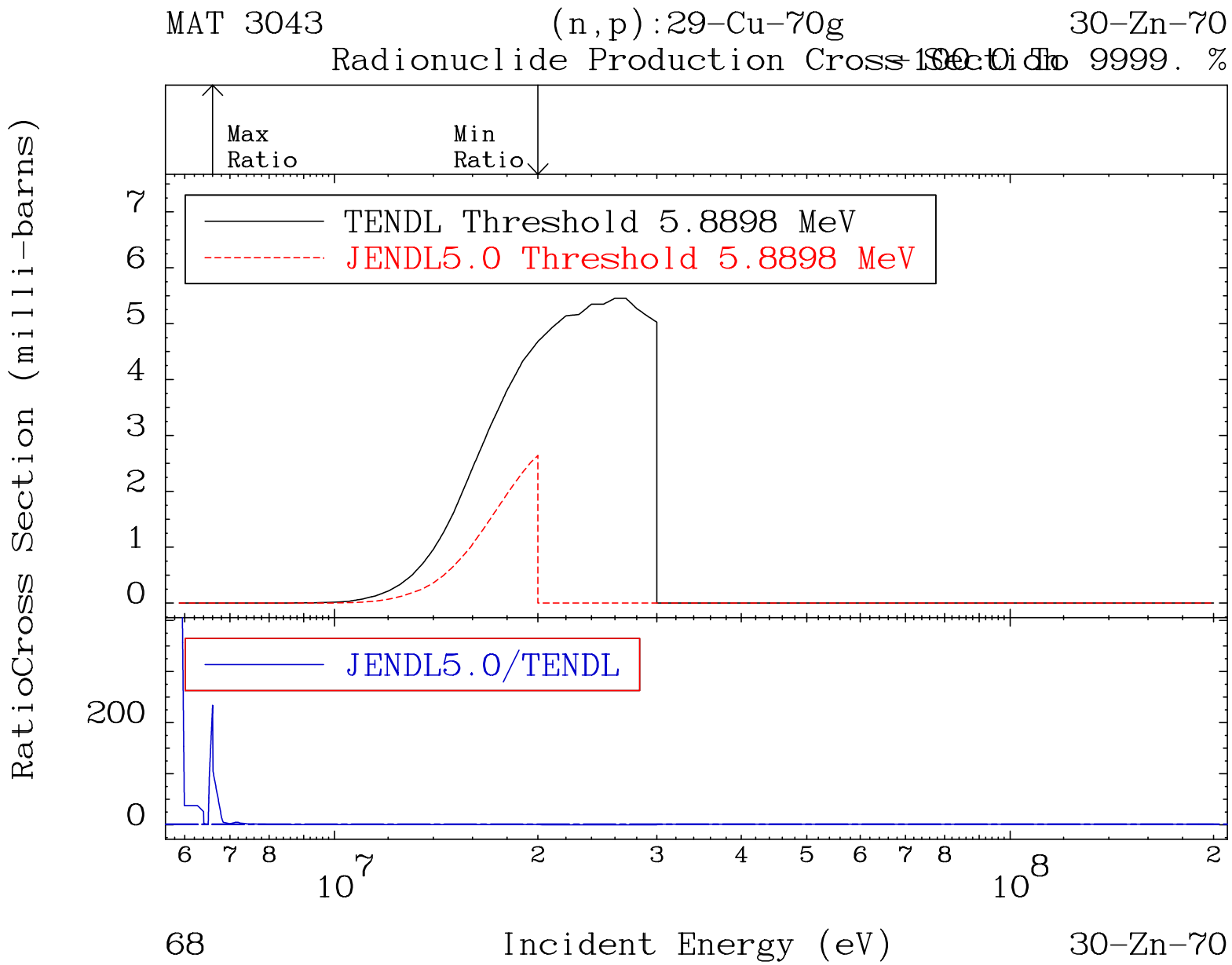

MAT 3043 Dpa disappearance (mt102 -120) 30-Zn-70
Cross Section -100.0 To 410.4 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
63
30-Zn-70

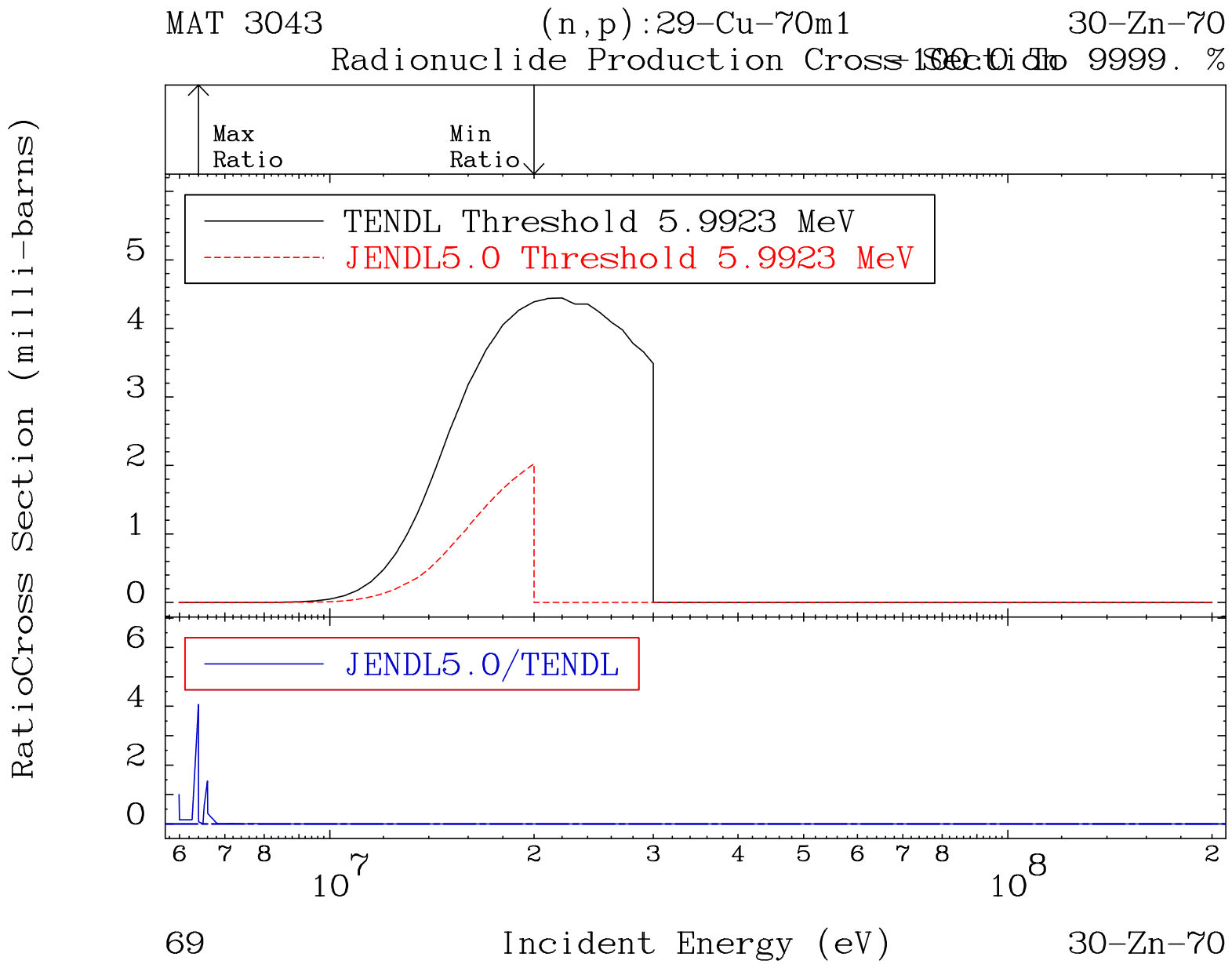

MAT 3043
(n,2n):30-Zn-69g
30-Zn-70
Radionuclide Production Cross Section To 58.39 %
Min Ratio
Max Ratio
TENDL Threshold 9.3511 MeV
JENDL5.0 Threshold 9.3511 MeV
600
400
200
0
JENDL5.0/TENDL
2.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (milli-barns)
64
Incident Energy (eV)
30-Zn-70

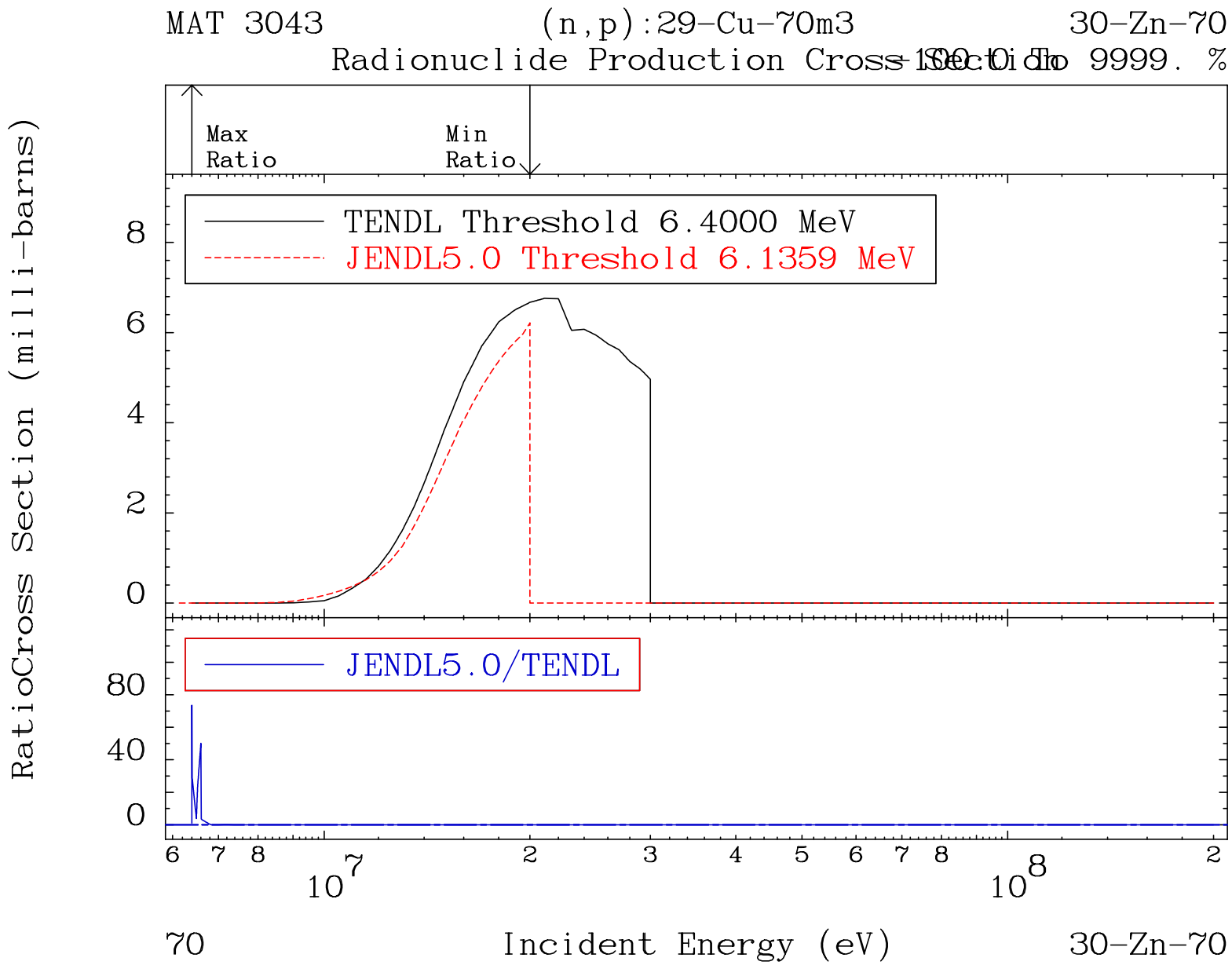

MAT 3043
(n,2n):30-Zn-69m1
30-Zn-70
Radionuclide Production Cross Section
Isotopic Abundance 27.95 %
Max
Ratio
TENDL Threshold 9.7961 MeV
JENDL5.0 Threshold 9.7961 MeV
800
600
400
200
0
JENDL5.0/TENDL
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (milli-barns)
65
Incident Energy (eV)
30-Zn-70

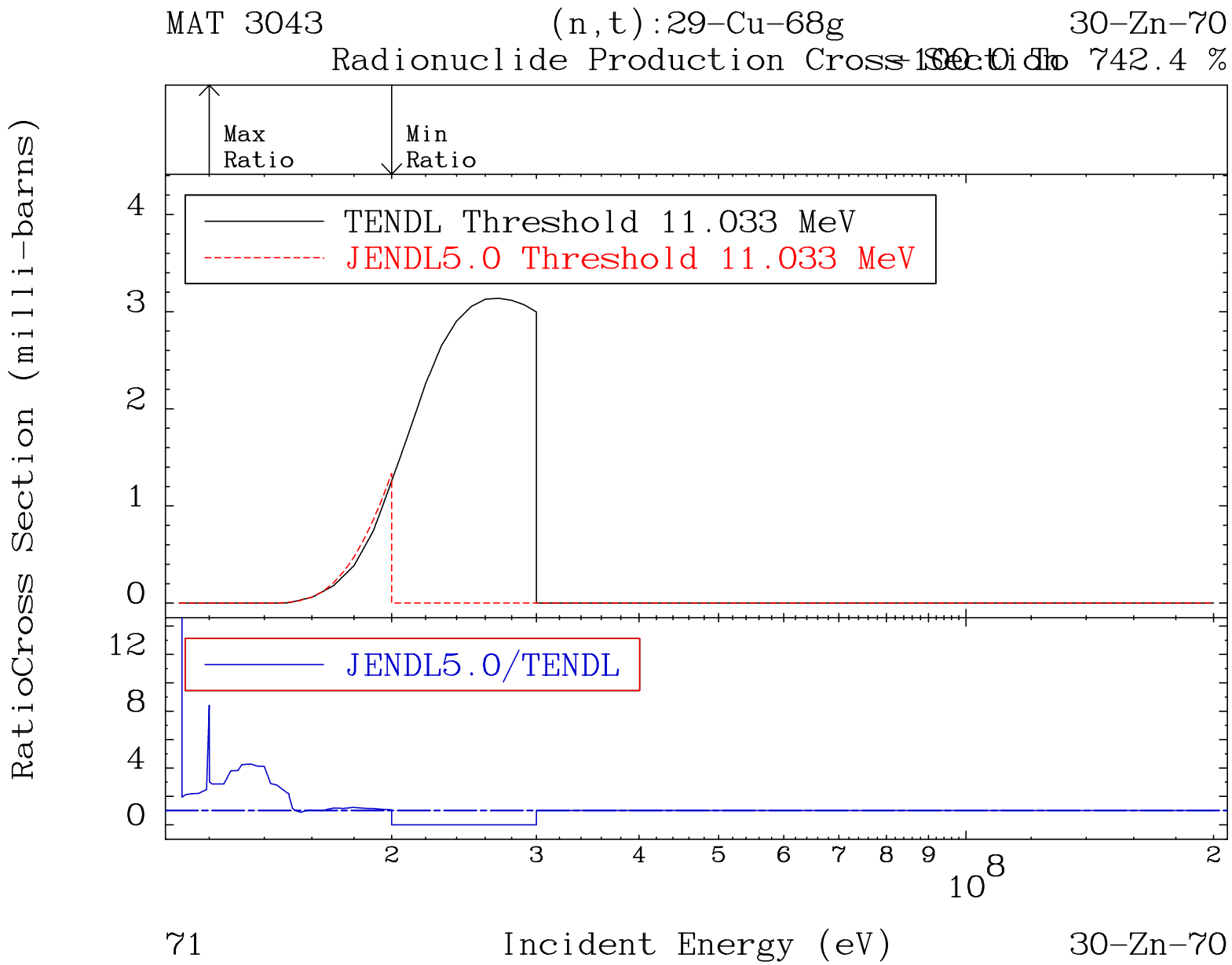

MAT 3043
(n,n') d:29-Cu-68g
30-Zn-70
Radionuclide Production Cross Section To 322.3 %
Min
Ratio
TENDL Threshold 17.381 MeV
JENDL5.0 Threshold 17.381 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
6
4
2
0
2
3
4
5
6
7
8
9
10^8
2
66
Incident Energy (eV)
30-Zn-70

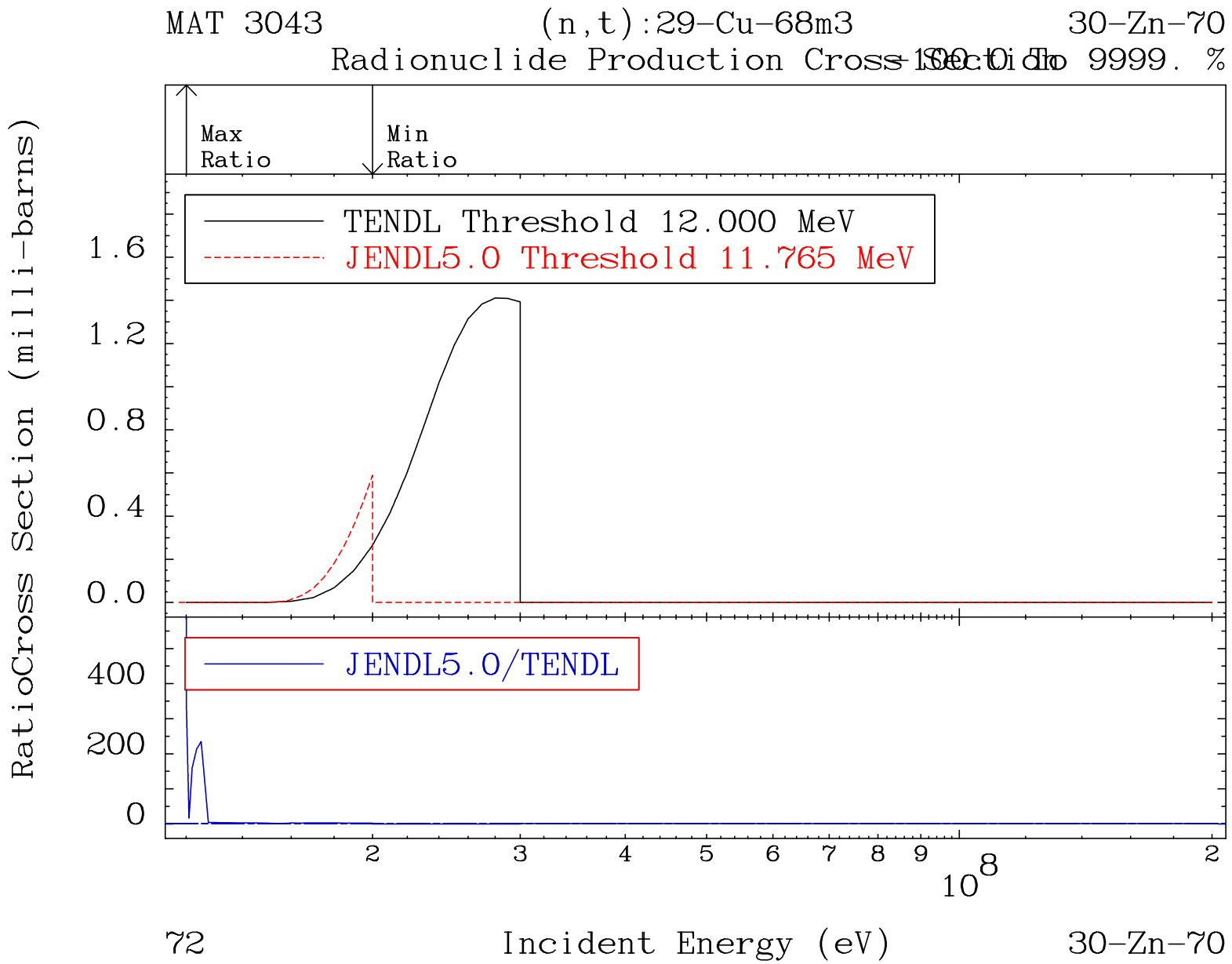

MAT 3043
(n,n') d:29-Cu-68m3
30-Zn-70
Radionuclide Production Cross Section To 193.2 %
Min
Ratio
TENDL Threshold 18.112 MeV
JENDL5.0 Threshold 18.112 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
67
30-Zn-70

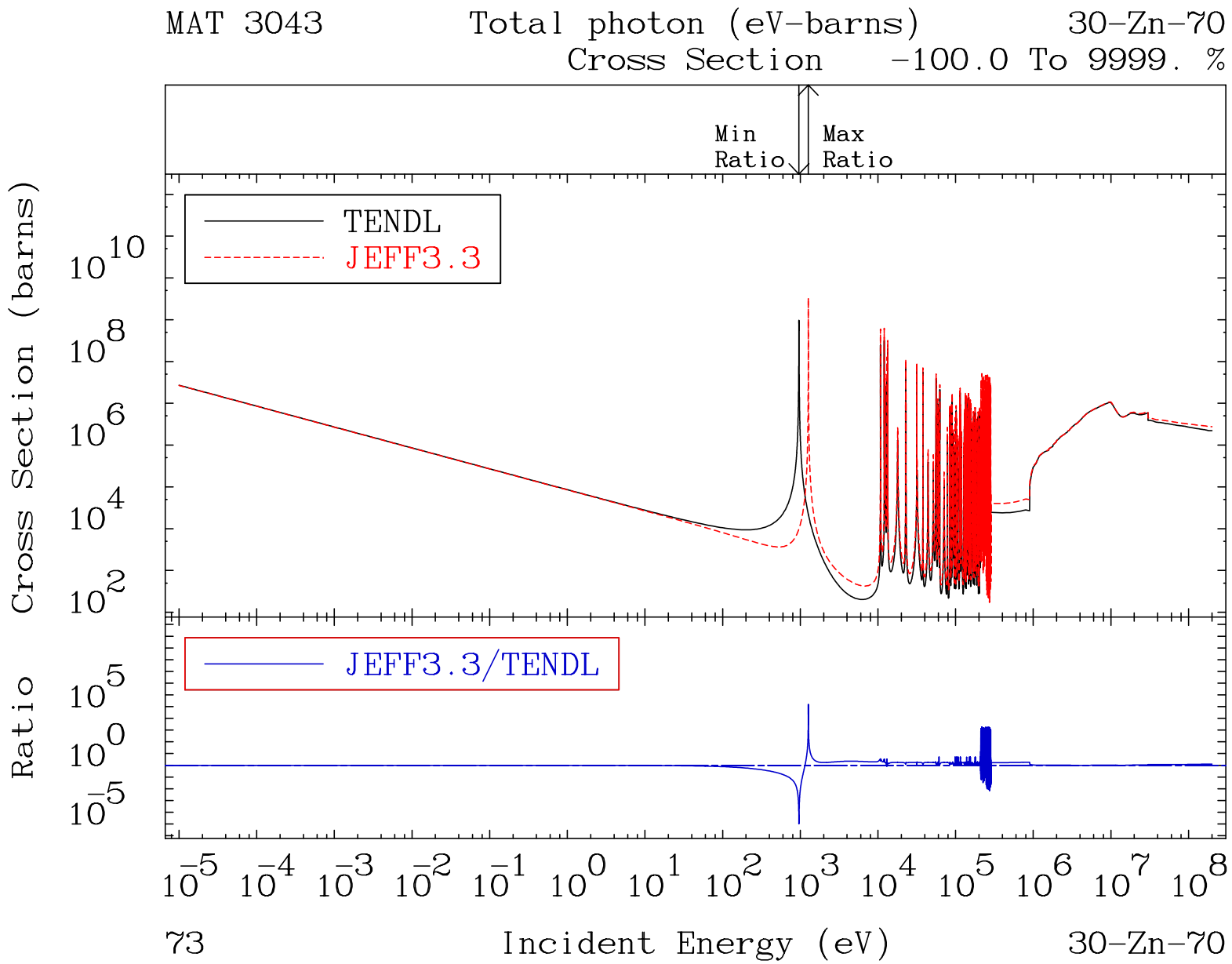

MAT 3043
(n,p):29-Cu-70g
30-Zn-70
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.8898 MeV
JENDL5.0 Threshold 5.8898 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
68
30-Zn-70

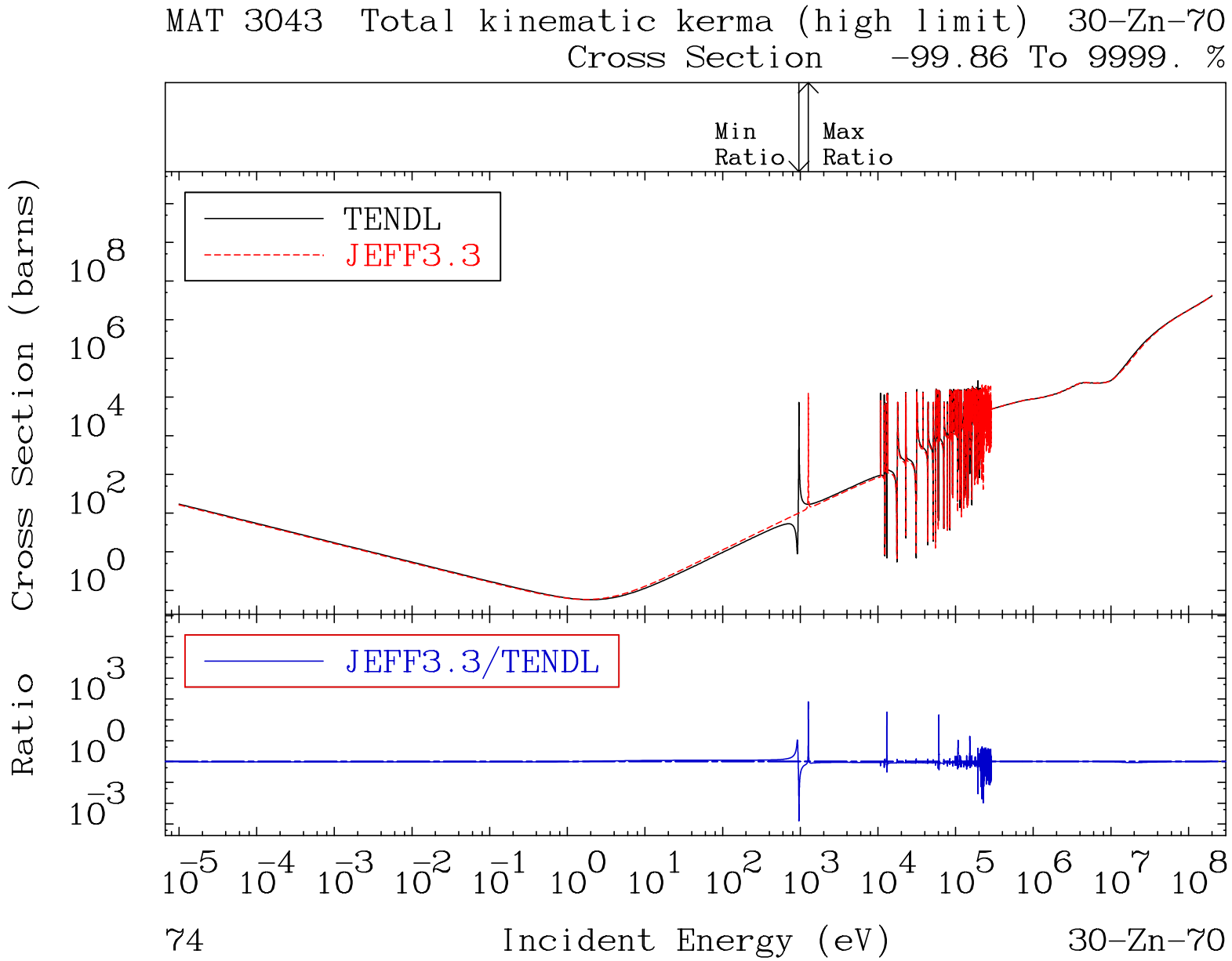

MAT 3043
(n,p):29-Cu-70m1
30-Zn-70
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 5.9923 MeV
JENDL5.0 Threshold 5.9923 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
69
30-Zn-70

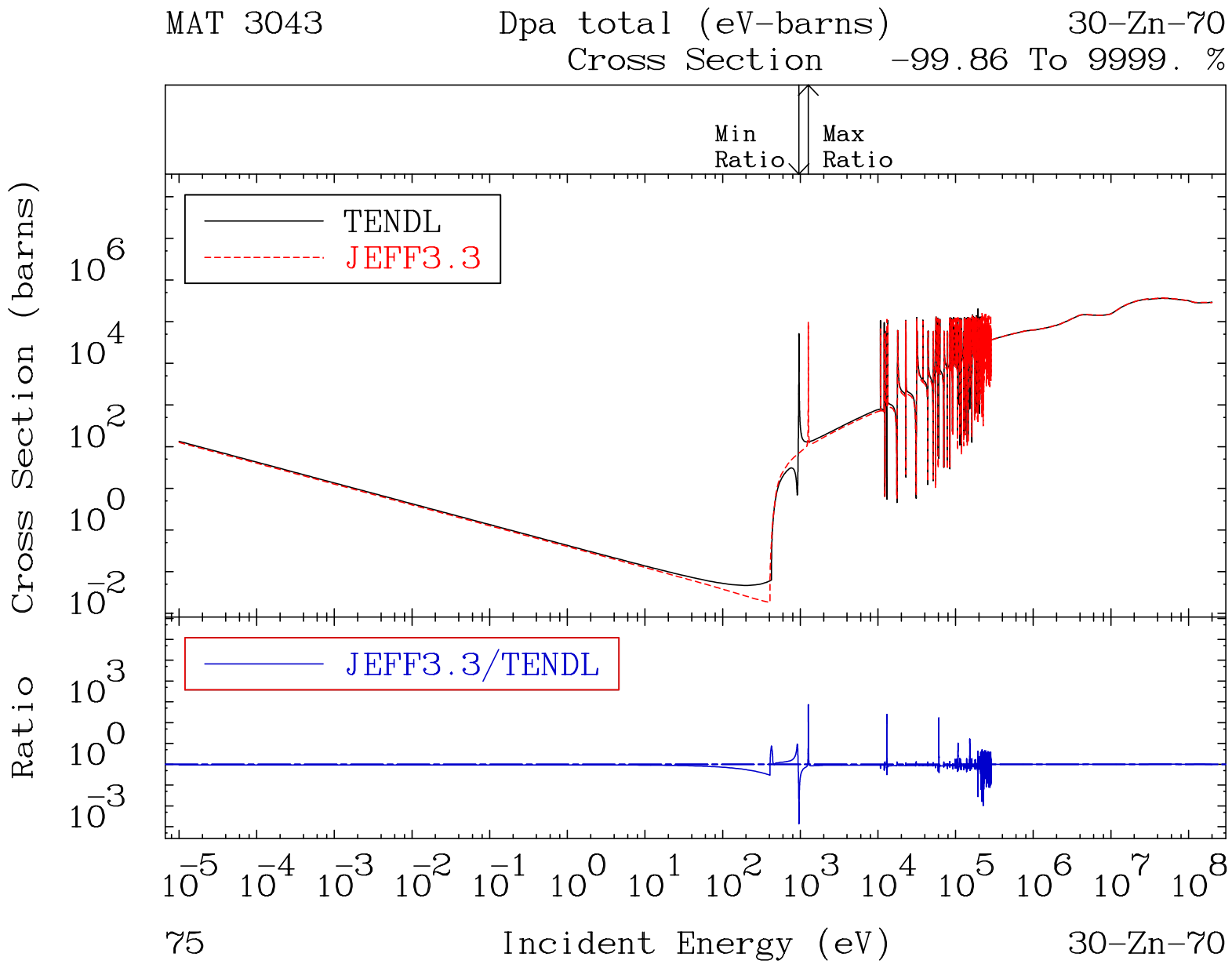

MAT 3043
(n,p):29-Cu-70m3
30-Zn-70
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 6.4000 MeV
JENDL5.0 Threshold 6.1359 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
70
30-Zn-70

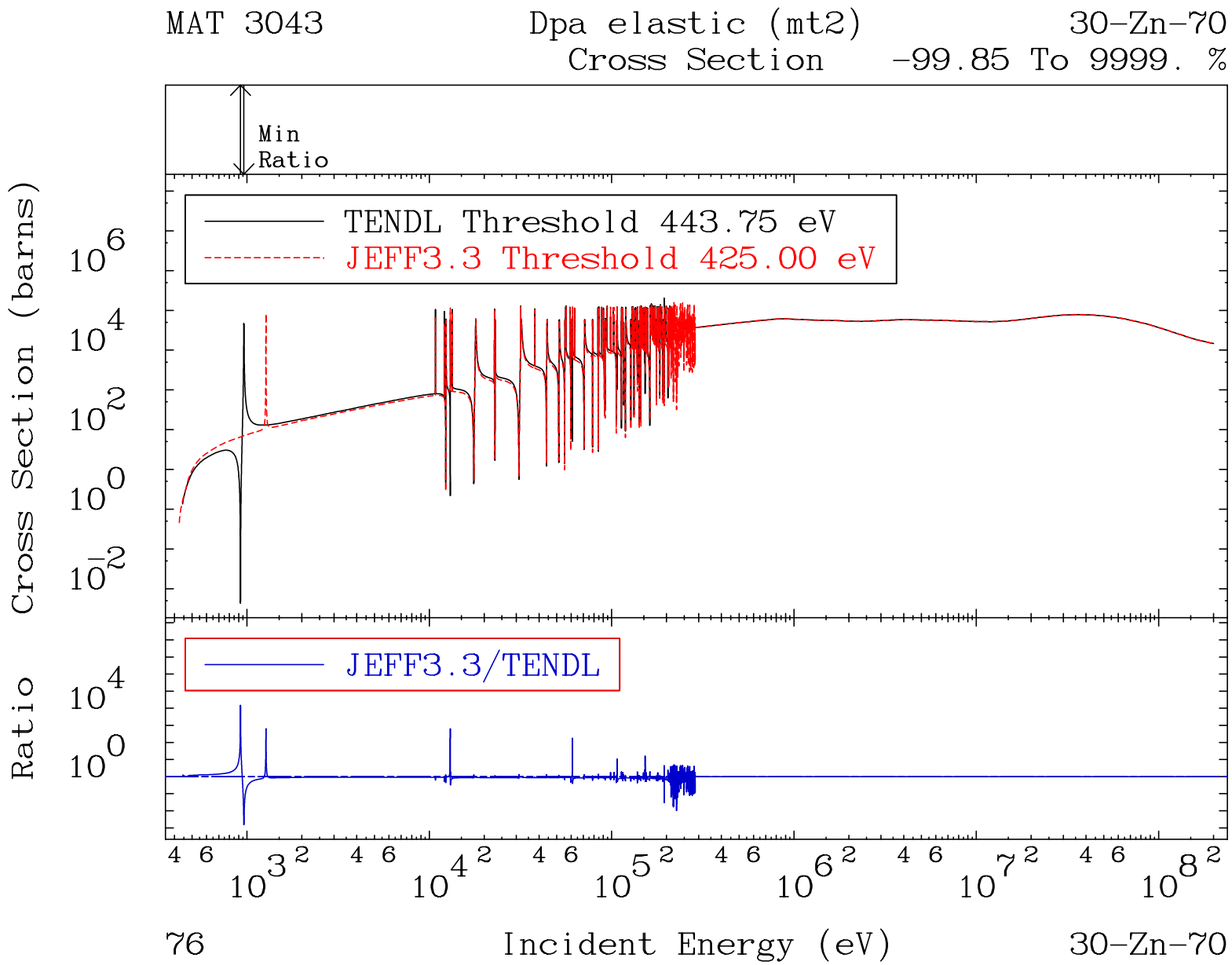

MAT 3043
(n,t):29-Cu-68g
30-Zn-70
Radionuclide Production Cross Section To 742.4 %
Max Ratio
Min Ratio
TENDL Threshold 11.033 MeV
JENDL5.0 Threshold 11.033 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
71
30-Zn-70

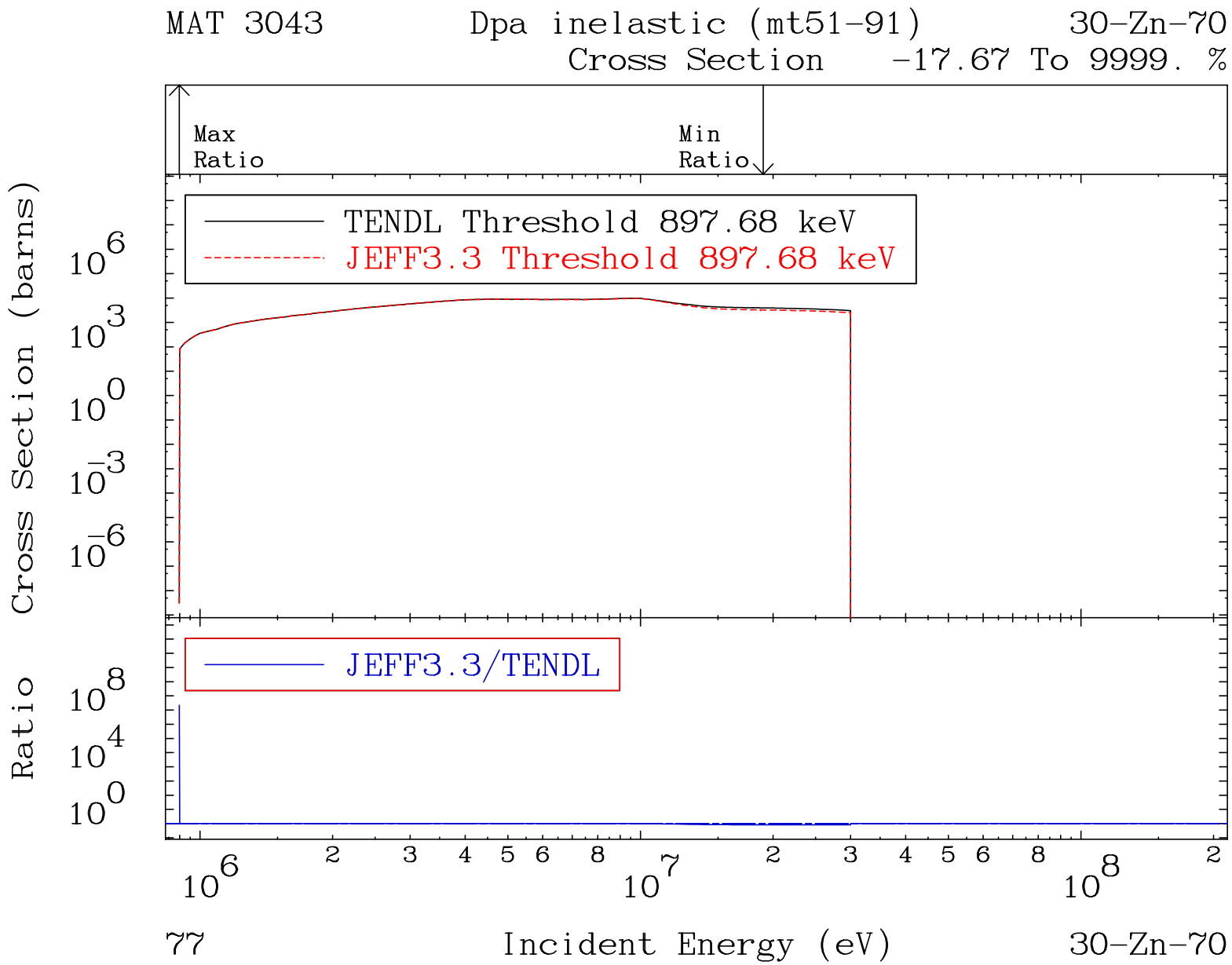

MAT 3043
(n,t):29-Cu-68m3
30-Zn-70
Radionuclide Production Cross Section
1.00 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 12.000 MeV
JENDL5.0 Threshold 11.765 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
400
200
0
2
3
4
5
6
7
8
9
2
10^8
72
Incident Energy (eV)
30-Zn-70

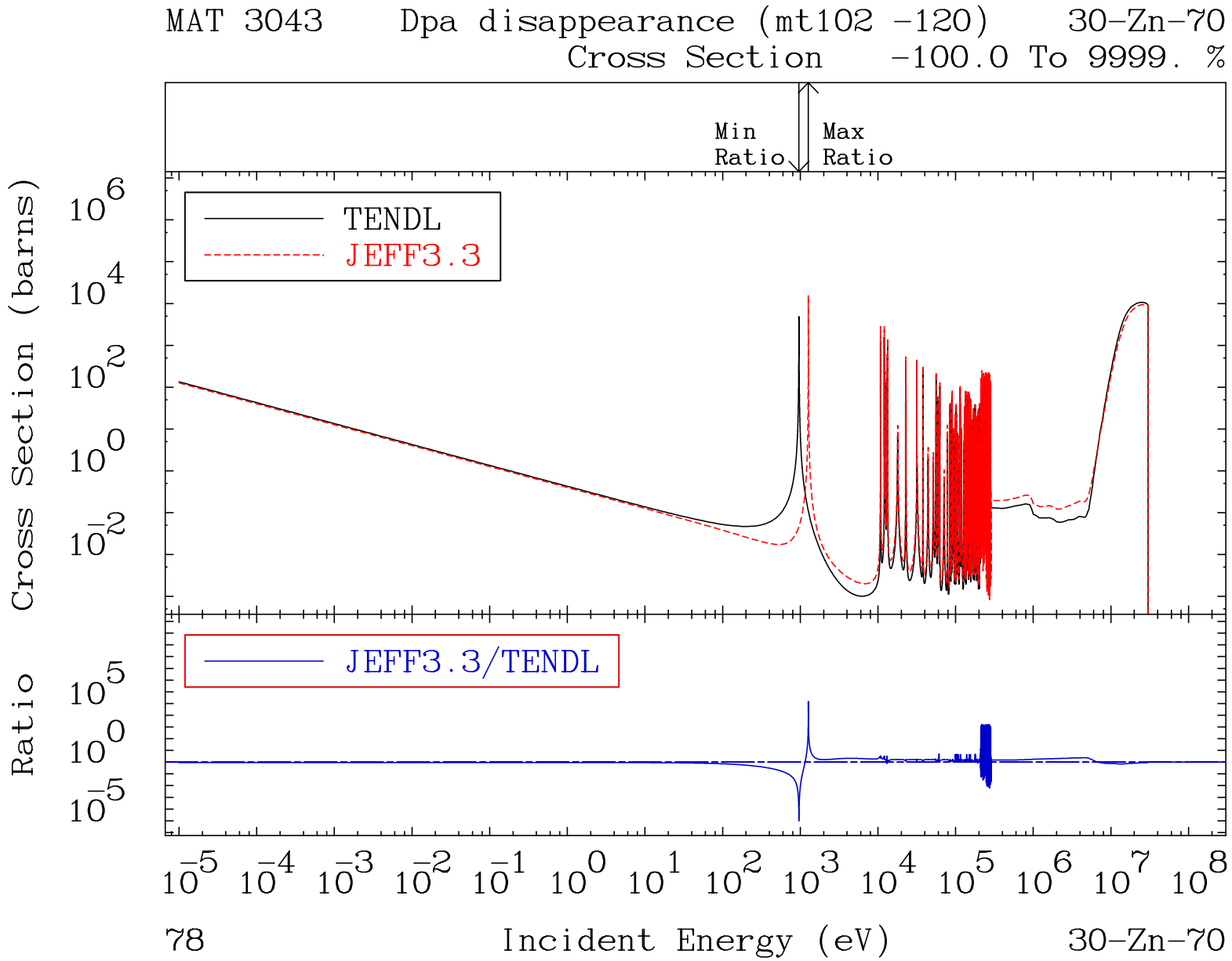

MAT 3043
Total photon (eV-barns)
30-Zn-70
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
73
30-Zn-70

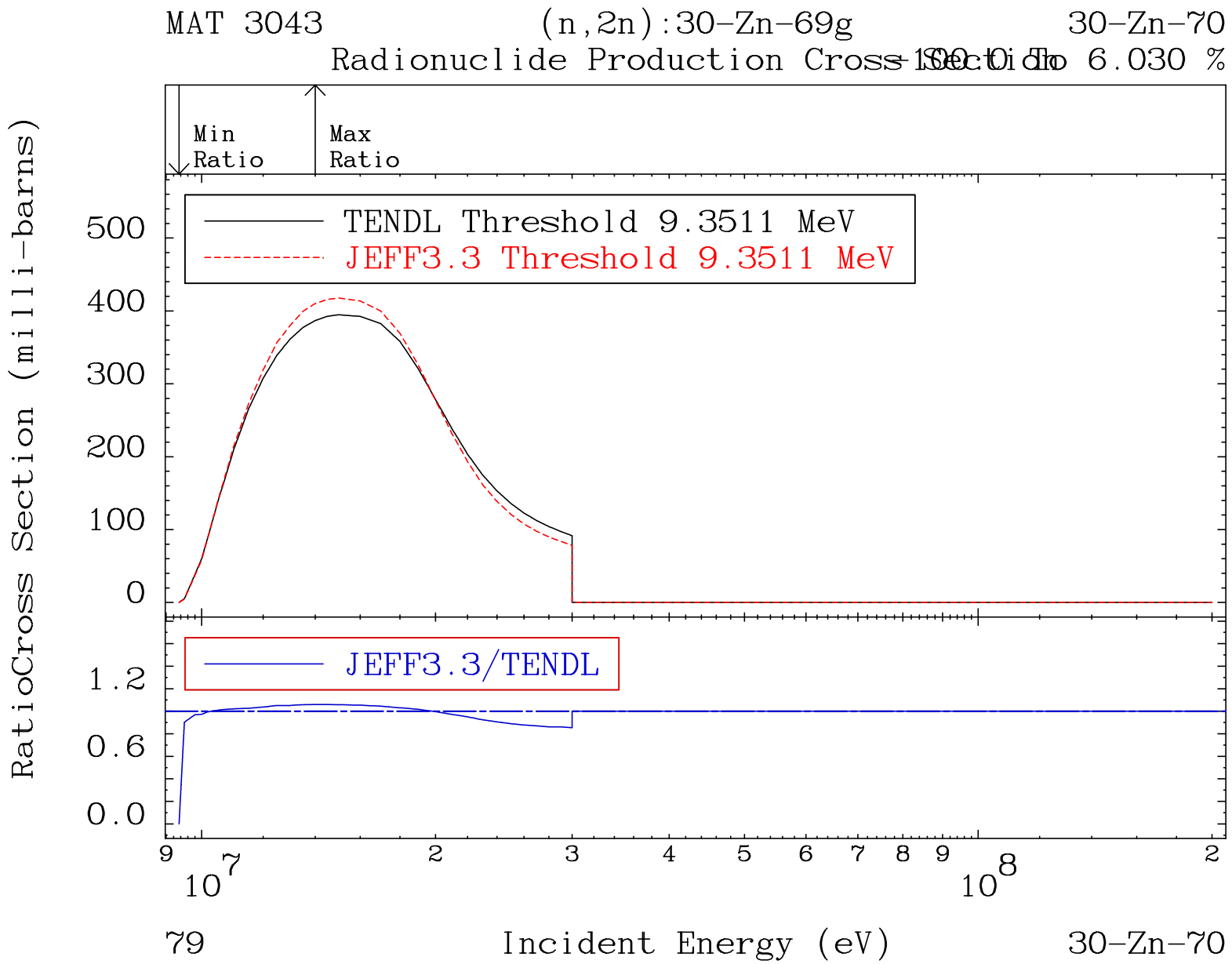

MAT 3043 Total kinematic kerma (high limit) 30-Zn-70
Cross Section -99.86 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
74
30-Zn-70

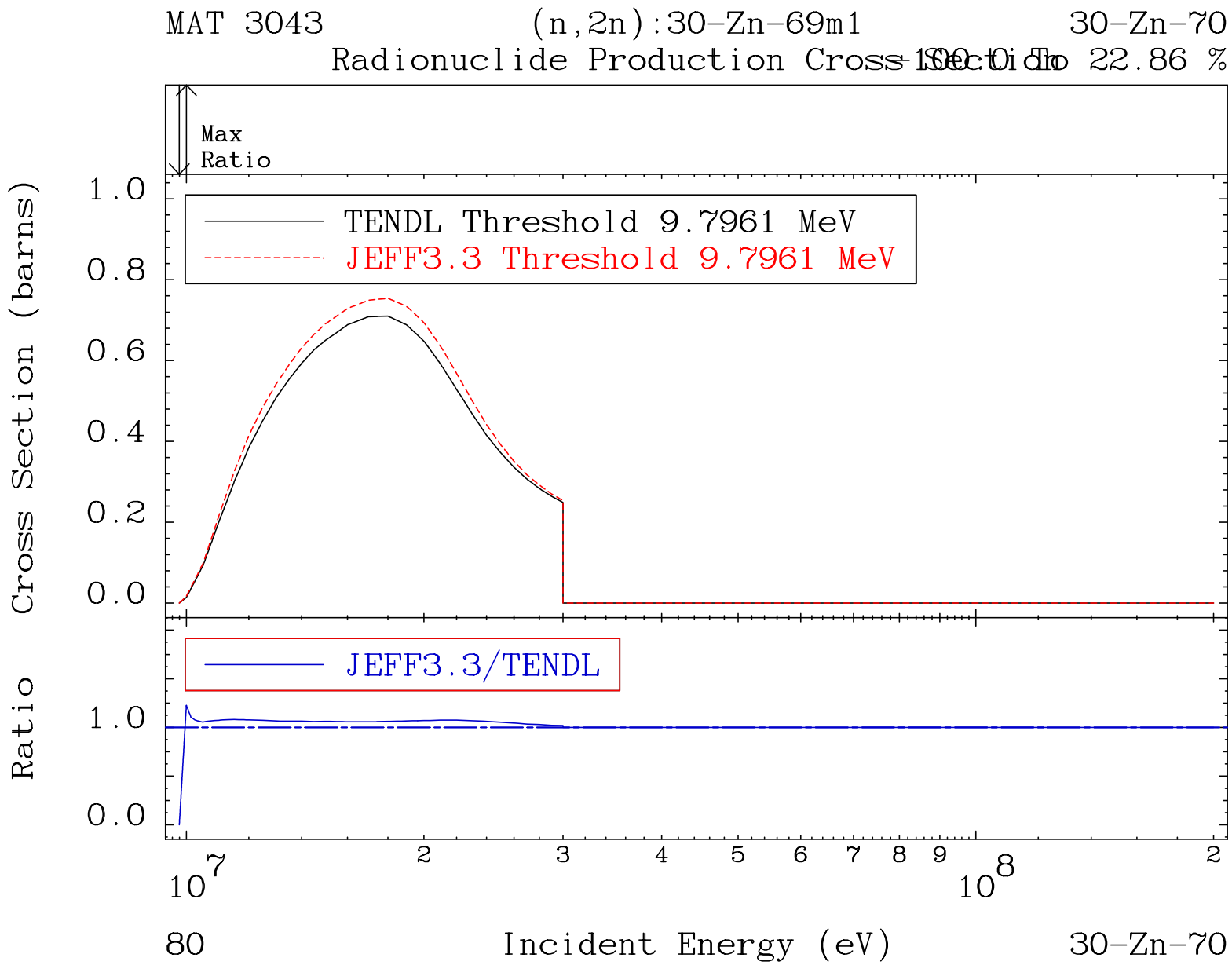

MAT 3043
Dpa total (eV-barns)
30-Zn-70
Cross Section -99.86 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
75
30-Zn-70

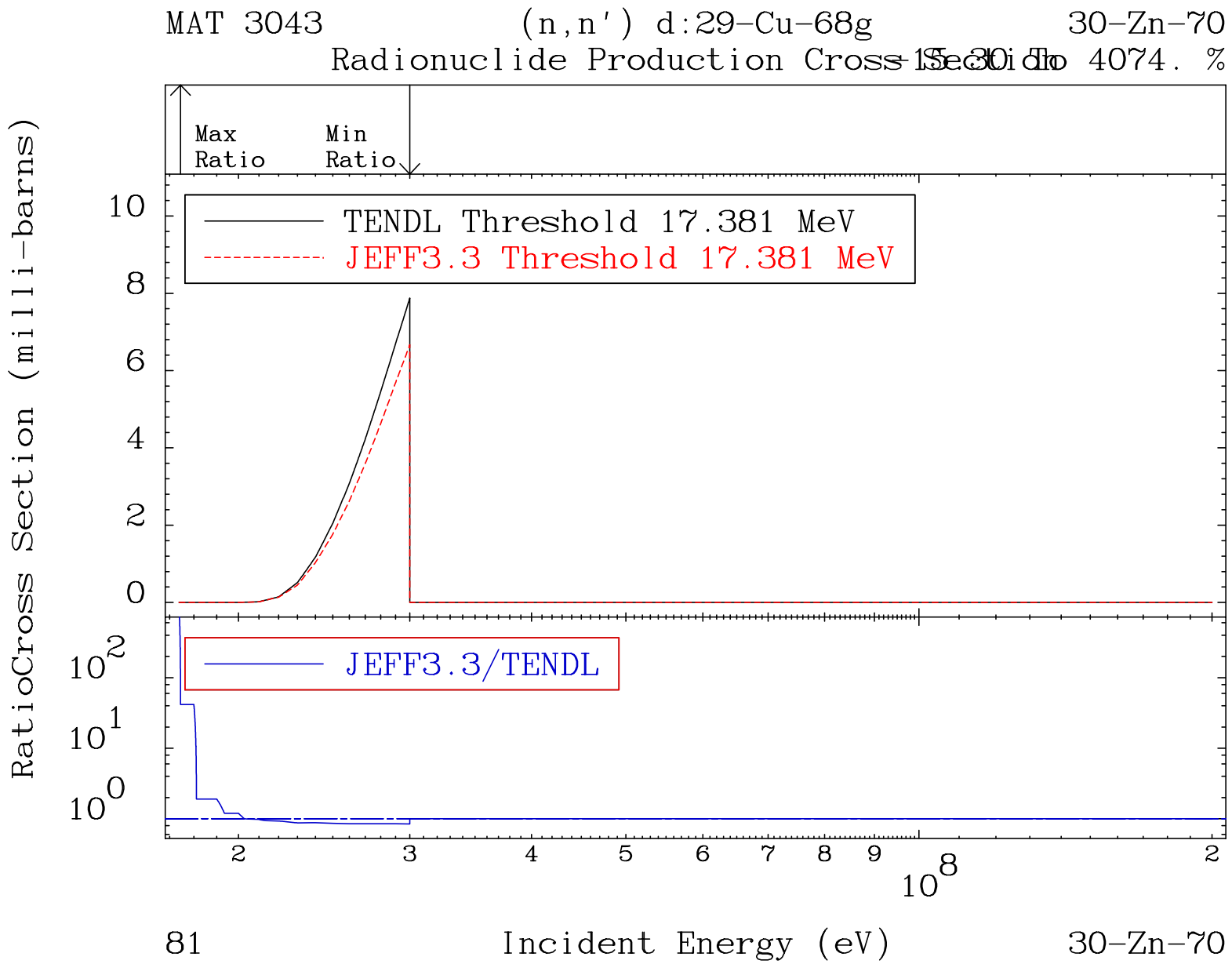

MAT 3043
Dpa elastic (mt2)
Cross Section
30-Zn-70
-99.85 To 9999. %
Min
Ratio
TENDL Threshold 443.75 eV
JEFF3.3 Threshold 425.00 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
76
30-Zn-70

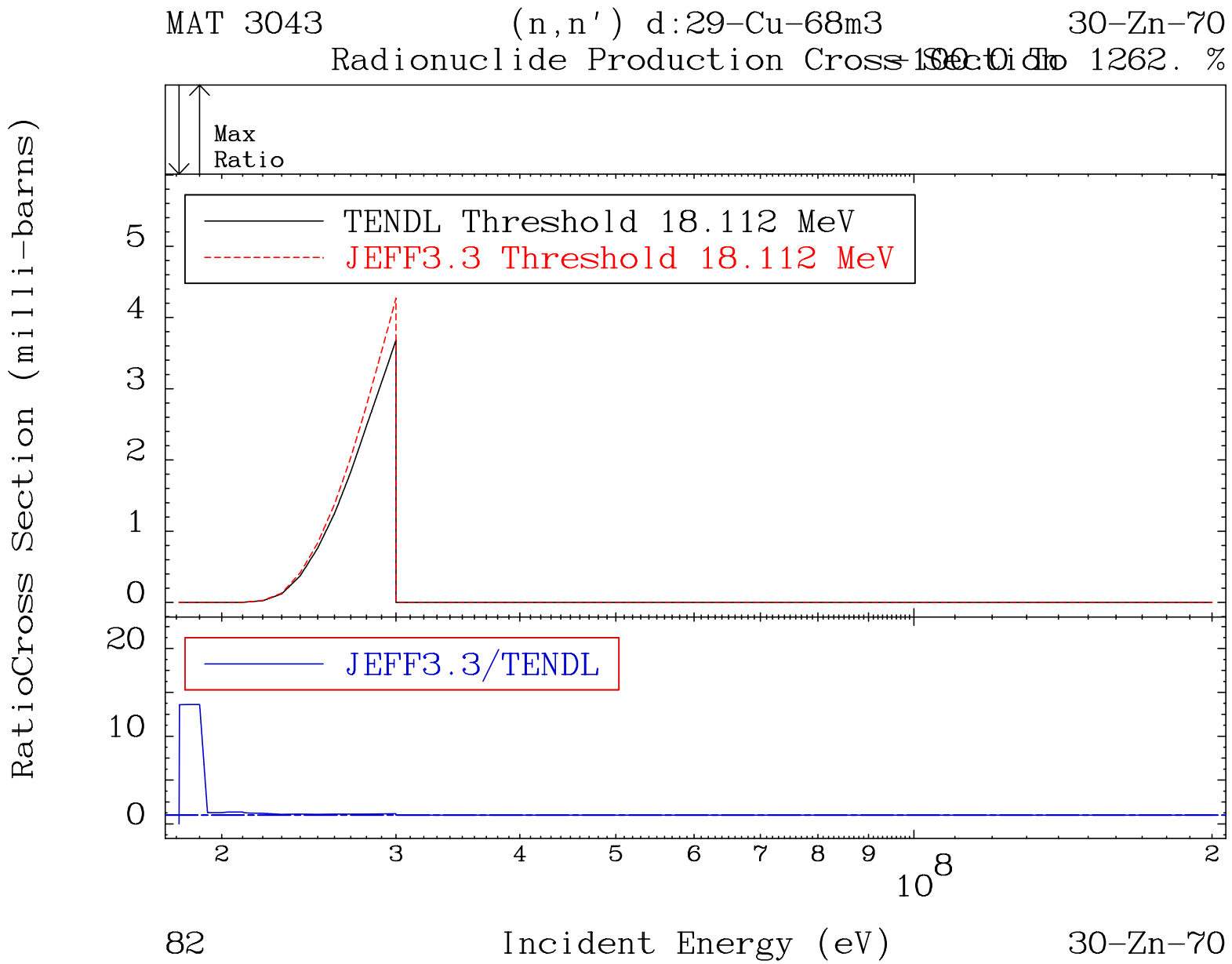

MAT 3043
Dpa inelastic (mt51-91)
30-Zn-70
Cross Section
-17.67 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 897.68 keV
JEFF3.3 Threshold 897.68 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
77
30-Zn-70

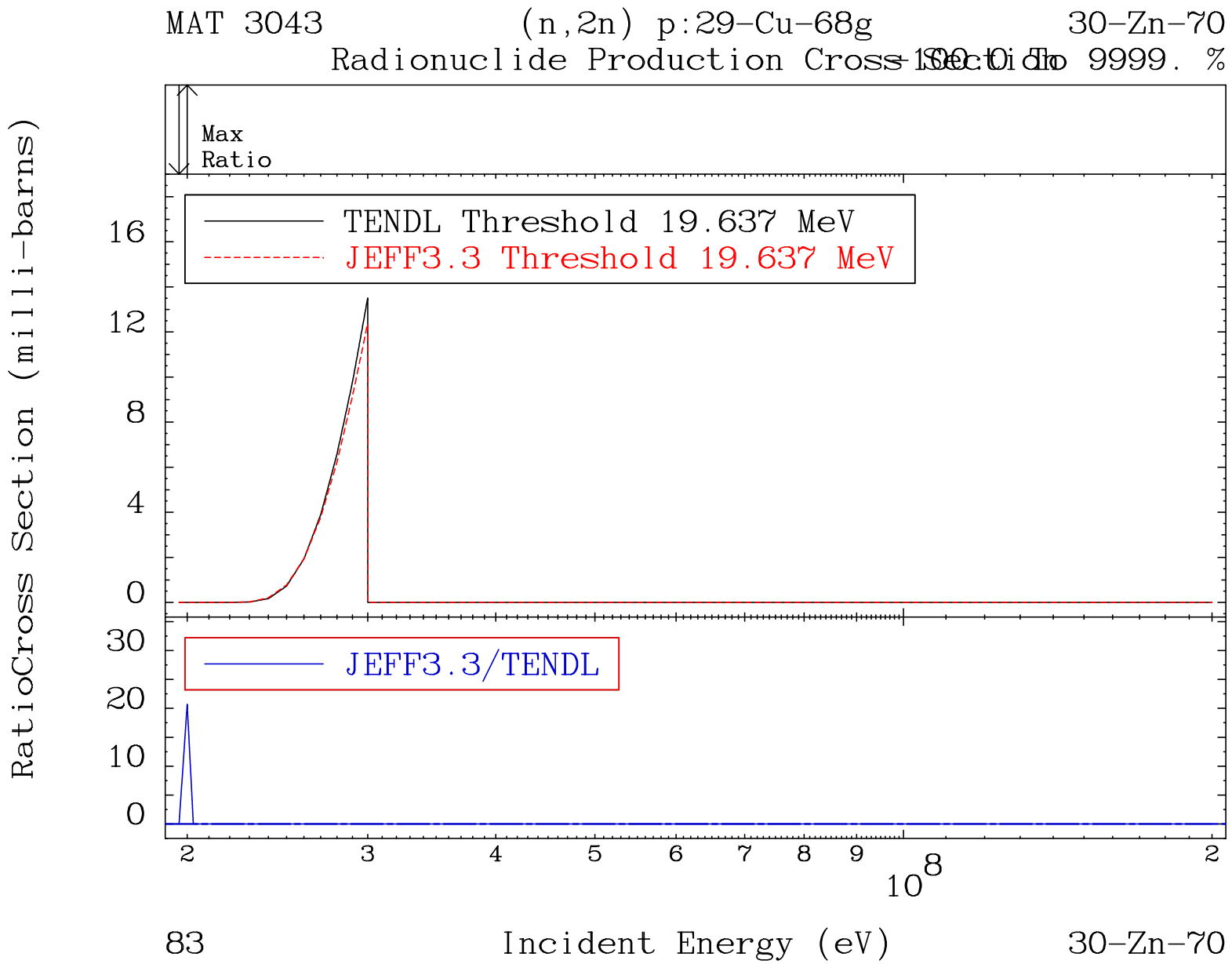

MAT 3043 Dpa disappearance (mt102 -120) 30-Zn-70
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
78
30-Zn-70

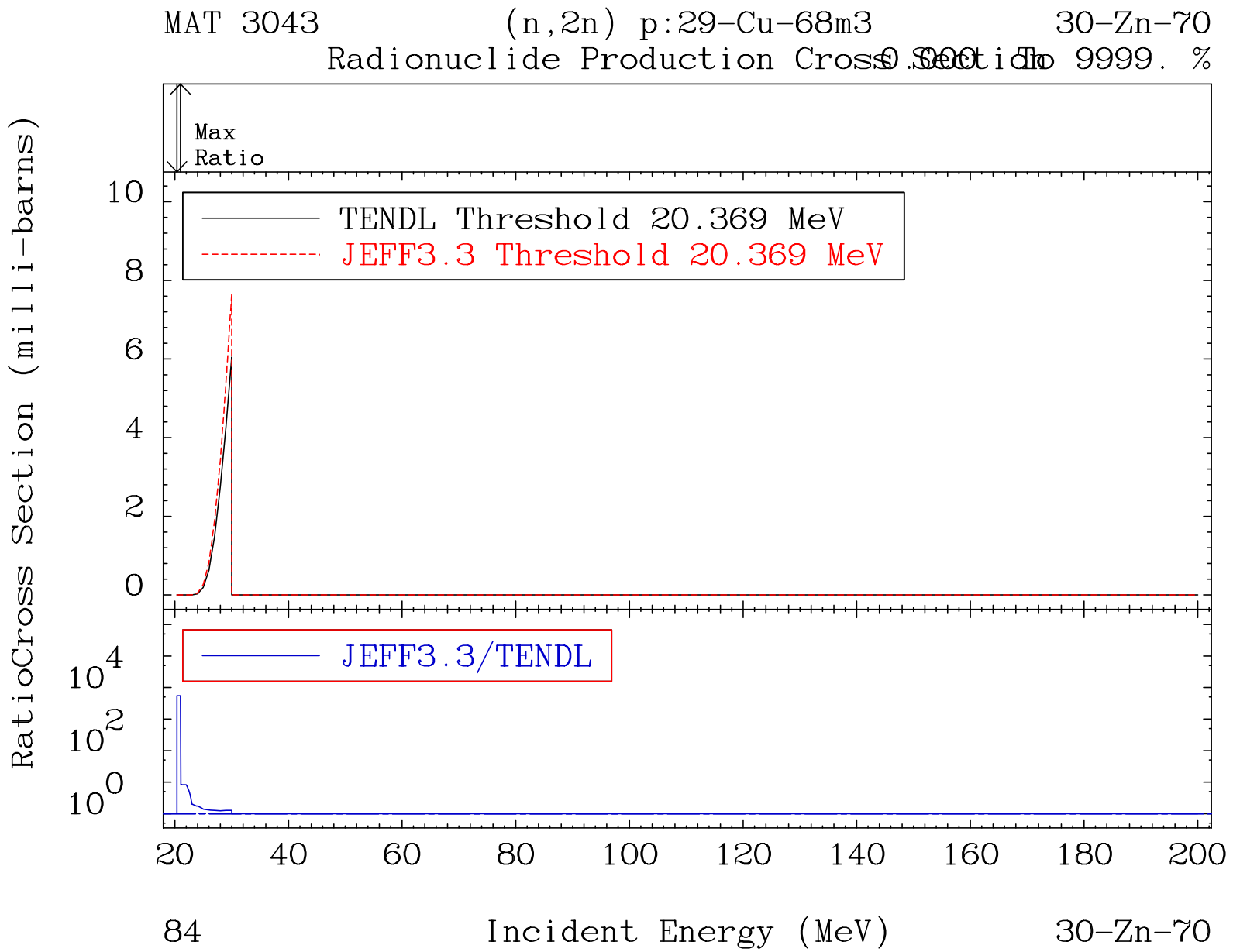

MAT 3043
(n,2n):30-Zn-69g
30-Zn-70
Radionuclide Production Cross Section
Isotopic 6.030 %
Min Ratio
Max Ratio
TENDL Threshold 9.3511 MeV
JEFF3.3 Threshold 9.3511 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
1.2
0.6
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
79
Incident Energy (eV)
30-Zn-70

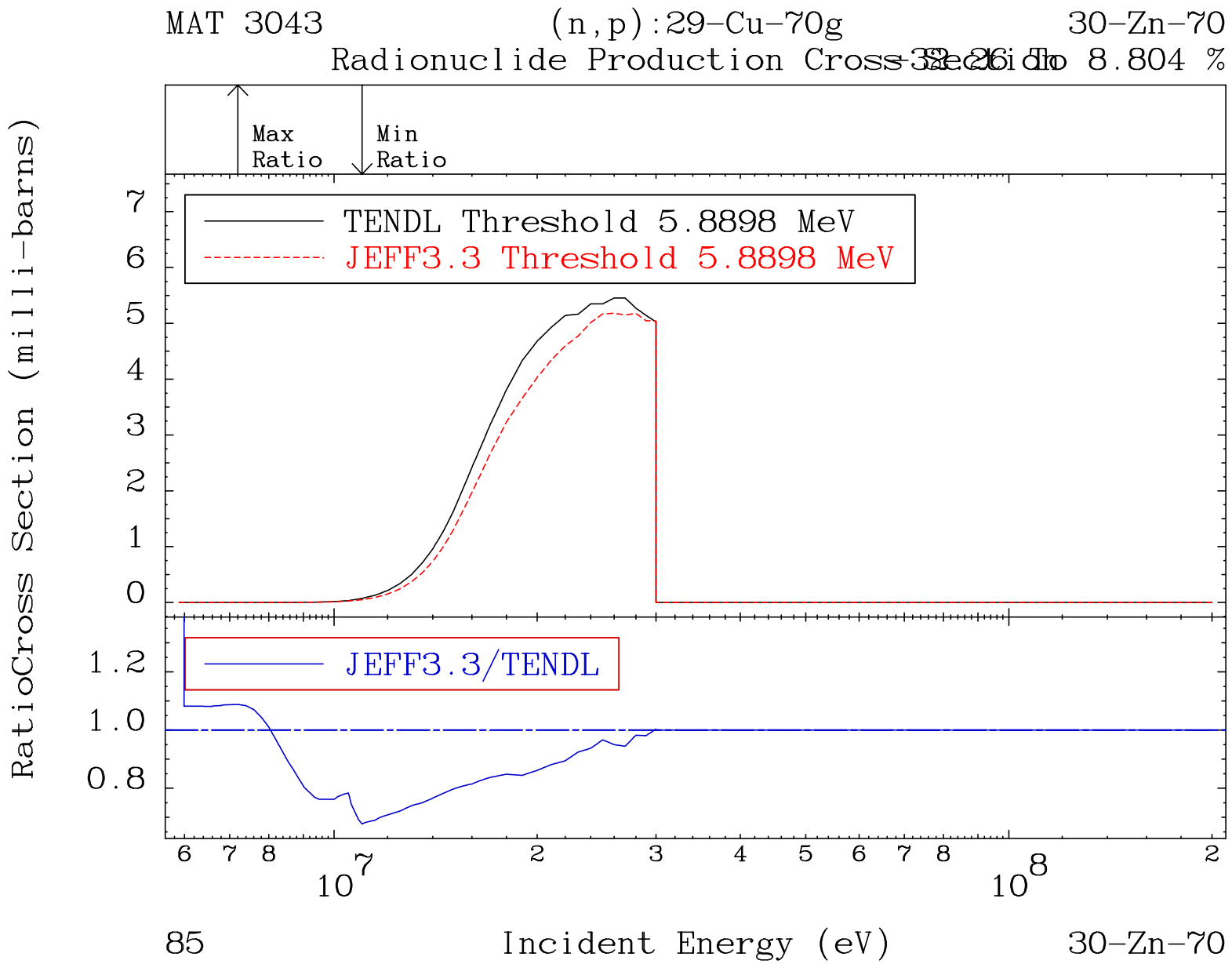

MAT 3043
(n,2n):30-Zn-69m1
30-Zn-70
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 9.7961 MeV
JEFF3.3 Threshold 9.7961 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
80
Incident Energy (eV)
30-Zn-70

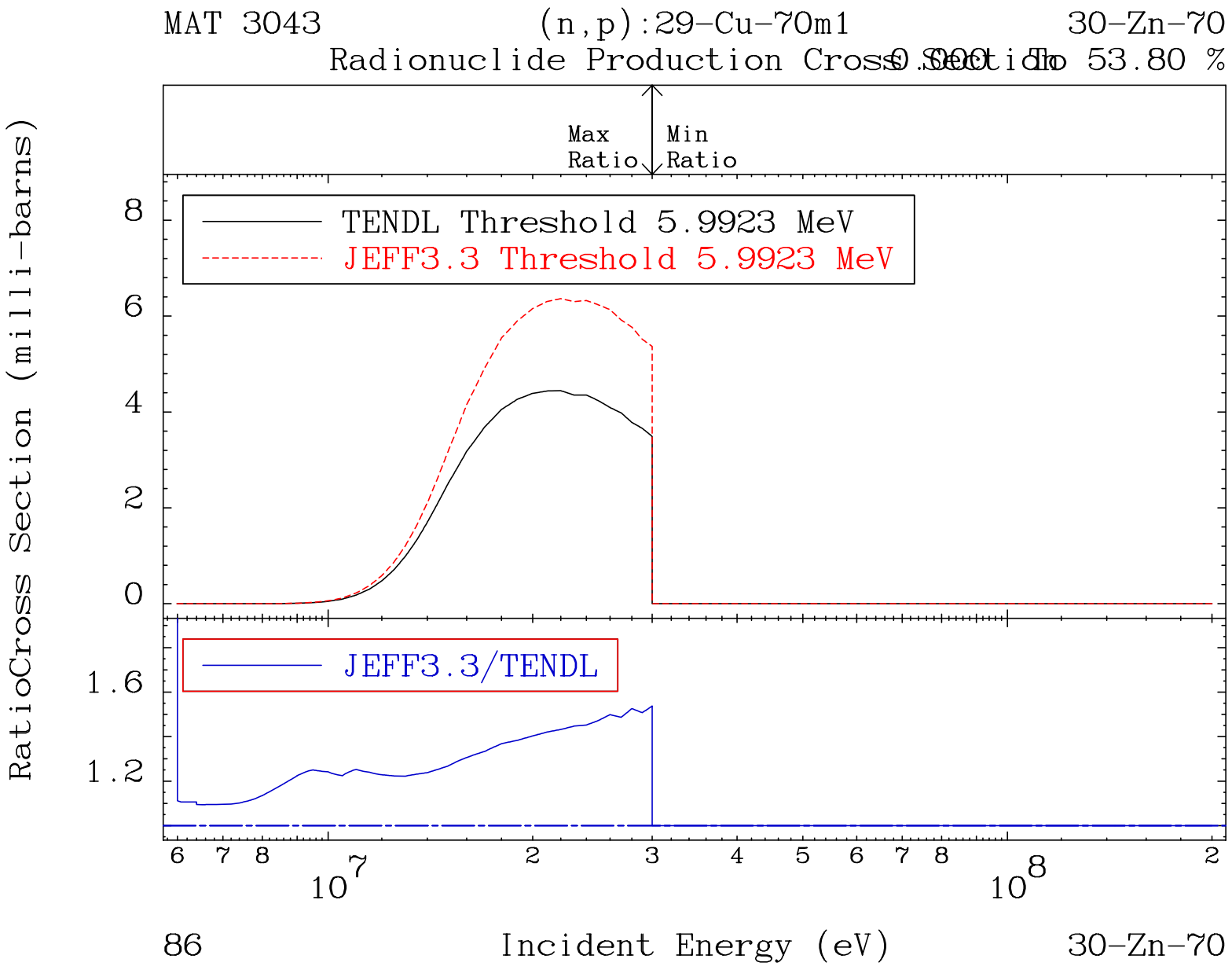

MAT 3043
(n,n') d:29-Cu-68g
30-Zn-70
Radionuclide Production Cross Section To 4074. %
Max Ratio
Min Ratio
TENDL Threshold 17.381 MeV
JEFF3.3 Threshold 17.381 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
81
Incident Energy (eV)
30-Zn-70

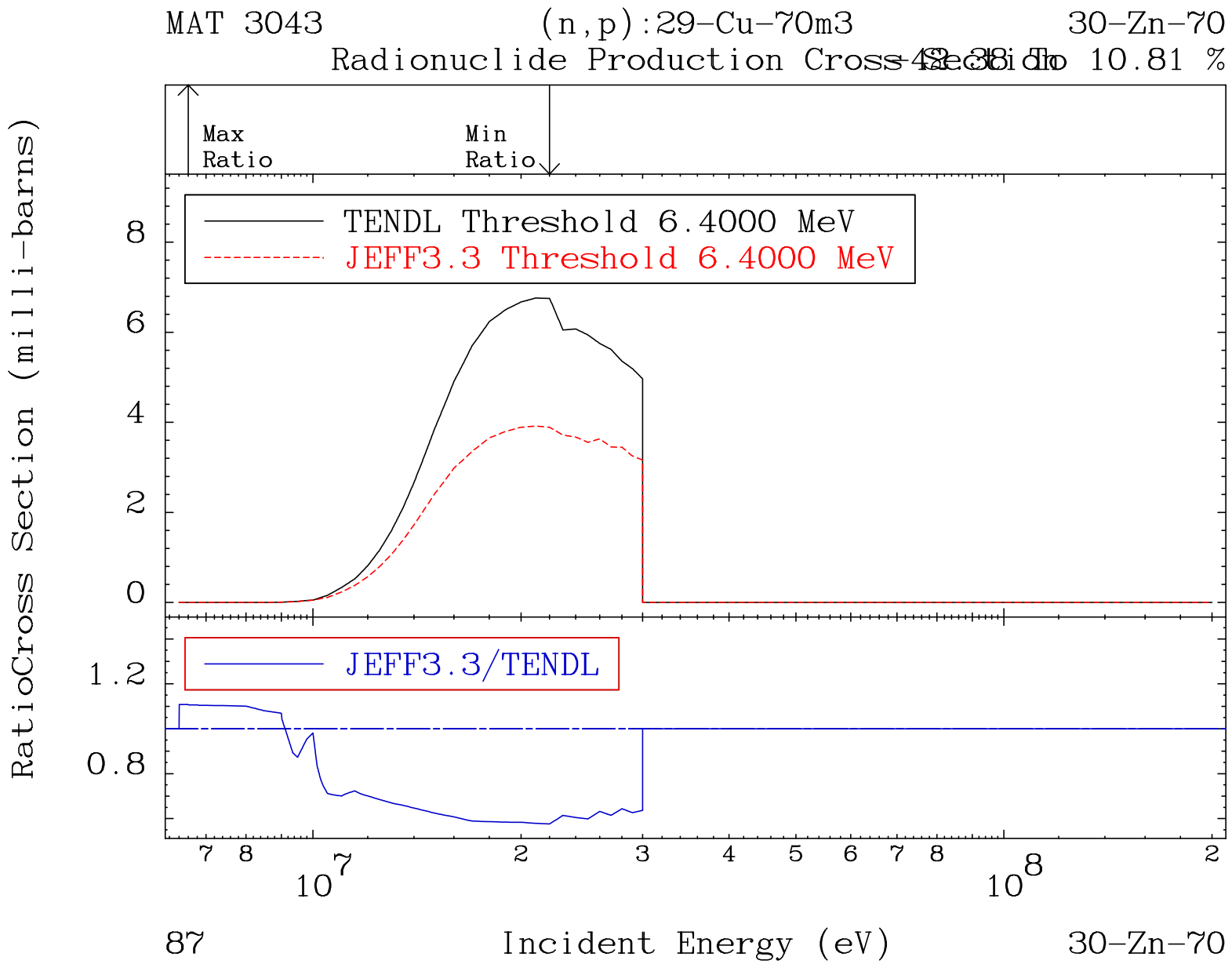

MAT 3043
(n,n') d:29-Cu-68m3
30-Zn-70
Radionuclide Production Cross Section To 1262. %
Max
Ratio
TENDL Threshold 18.112 MeV
JEFF3.3 Threshold 18.112 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
82
30-Zn-70

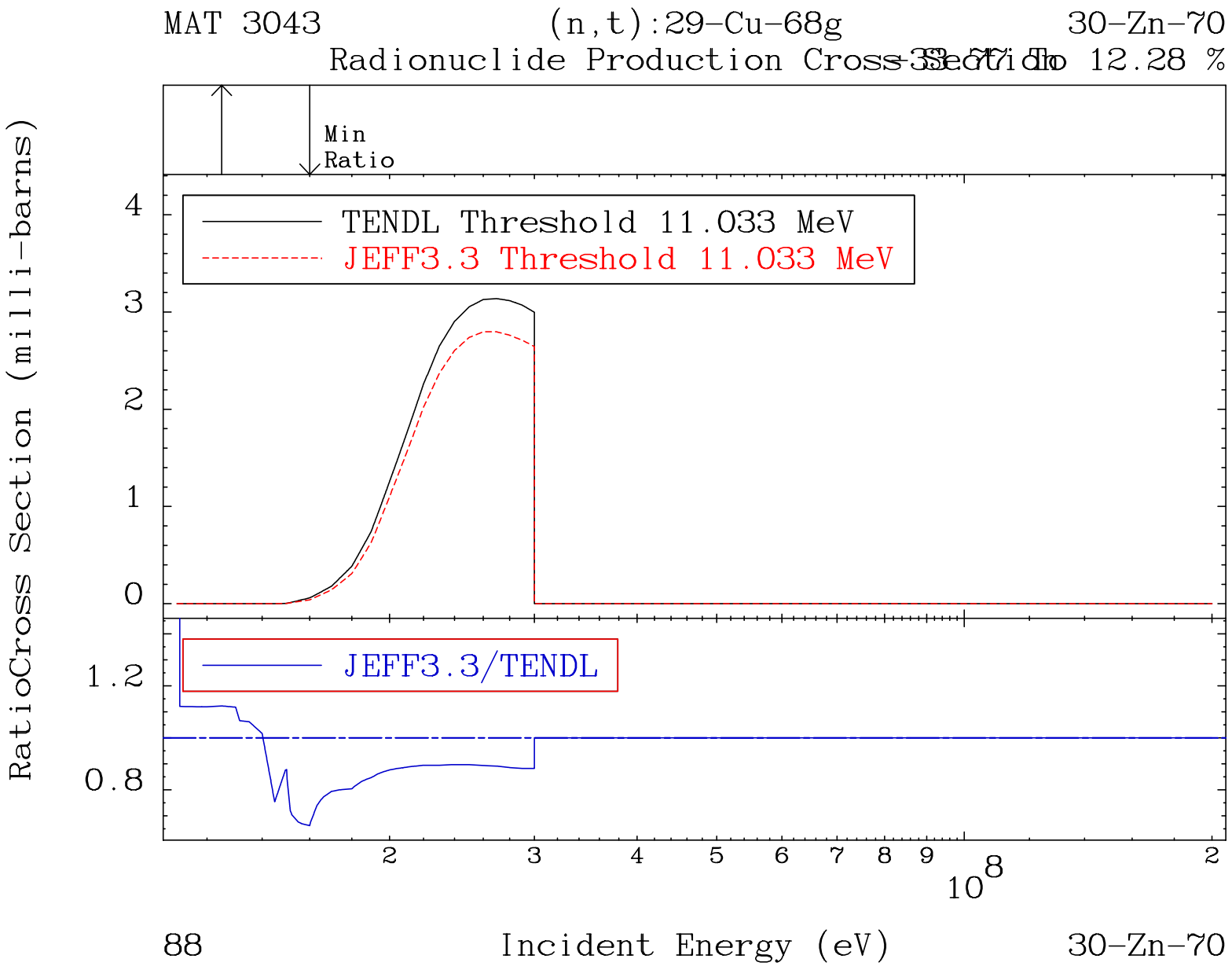

MAT 3043
(n,2n) p:29-Cu-68g
30-Zn-70
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 19.637 MeV
JEFF3.3 Threshold 19.637 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
30
20
10
0
2
3
4
5
6
7
8
9
10^8
2
83
Incident Energy (eV)
30-Zn-70

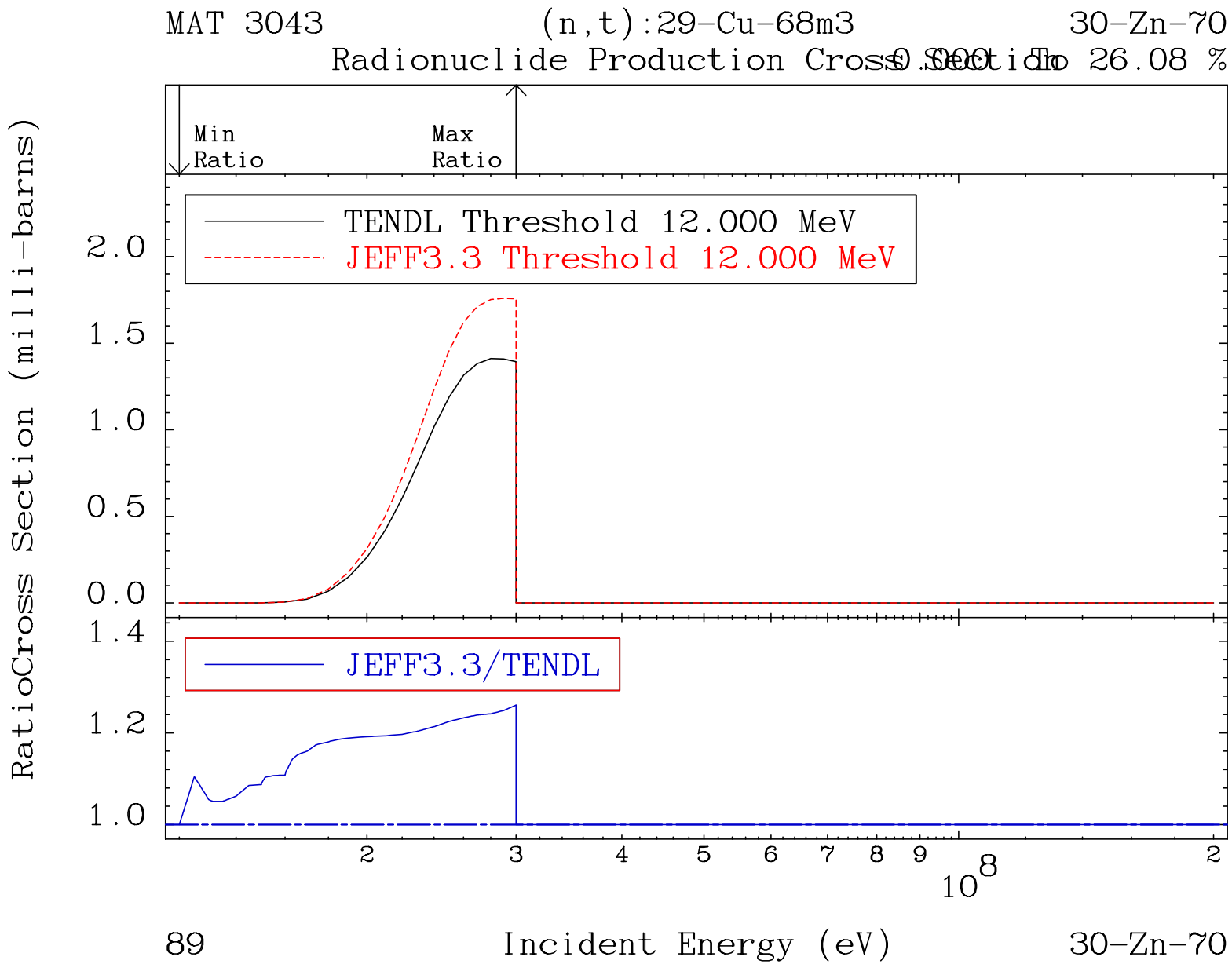

MAT 3043
(n,2n) p:29-Cu-68m3
30-Zn-70
Radionuclide Production Cross Section
0.000 To 9999. %
Max
Ratio
TENDL Threshold 20.369 MeV
JEFF3.3 Threshold 20.369 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (MeV)
84
30-Zn-70


MAT 3043
(n,p):29-Cu-70g
30-Zn-70
Radionuclide Production Cross Section To 8.804 %
Max Ratio
Min Ratio
TENDL Threshold 5.8898 MeV
JEFF3.3 Threshold 5.8898 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
85
30-Zn-70


MAT 3043
(n,p):29-Cu-70m1
30-Zn-70
Radionuclide Production Cross Section To 53.80 %
Max Ratio
Min Ratio
TENDL Threshold 5.9923 MeV
JEFF3.3 Threshold 5.9923 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
86
30-Zn-70


MAT 3043
(n,p):29-Cu-70m3
30-Zn-70
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 6.4000 MeV
JEFF3.3 Threshold 6.4000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
87
30-Zn-70


MAT 3043
(n,t):29-Cu-68g
30-Zn-70
Radionuclide Production Cross Section To 12.28 %
Min
Ratio
TENDL Threshold 11.033 MeV
JEFF3.3 Threshold 11.033 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
88
30-Zn-70


MAT 3043
(n,t):29-Cu-68m3
30-Zn-70
Radionuclide Production Cross Section
0.000 To 26.08 %
Min Ratio
Max Ratio
TENDL Threshold 12.000 MeV
JEFF3.3 Threshold 12.000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
1.4
1.2
1.0
2
3
4
5
6
7
8
9
2
10^8
89
Incident Energy (eV)
30-Zn-70