Program Complot
(Version 2018-1)
by
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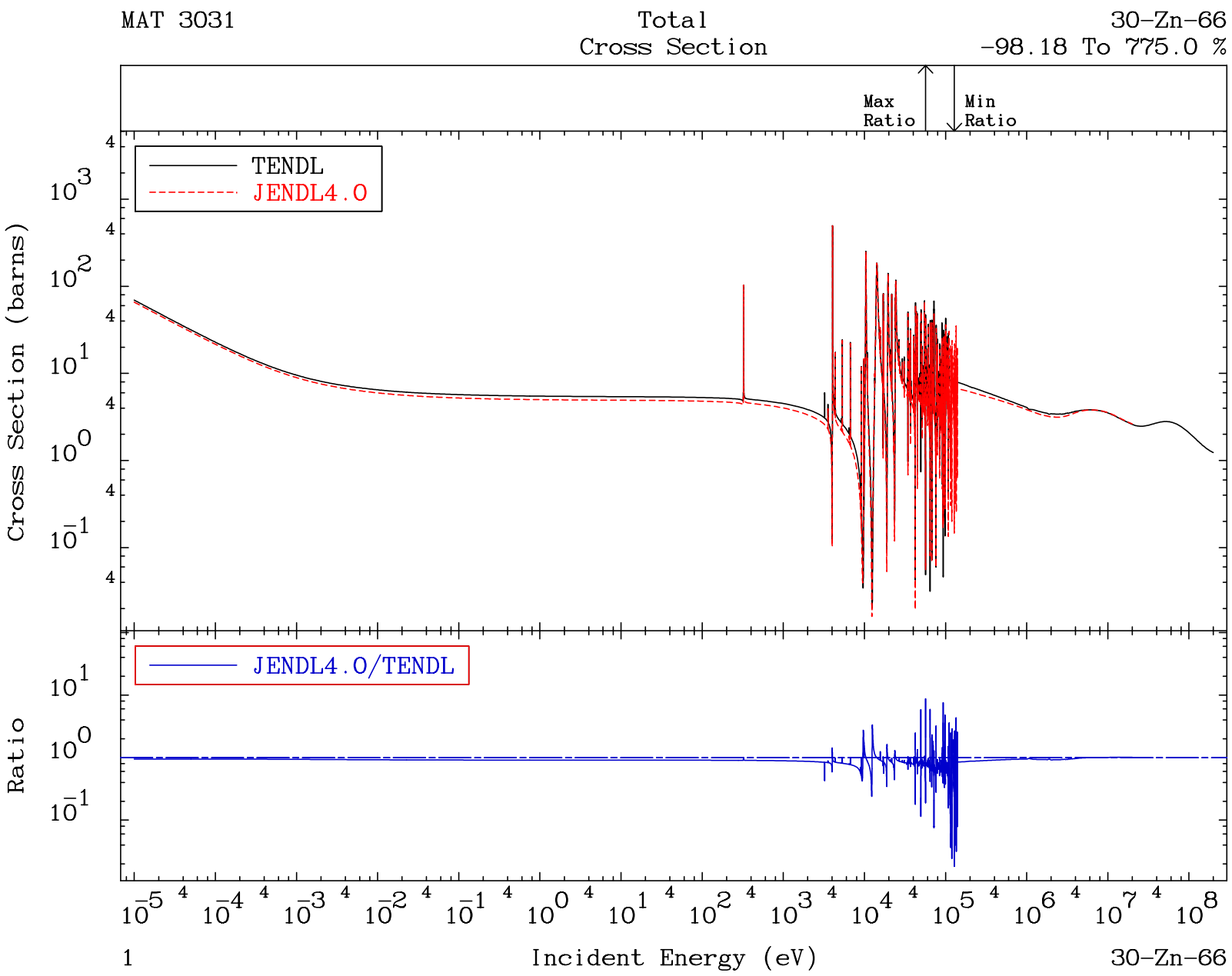
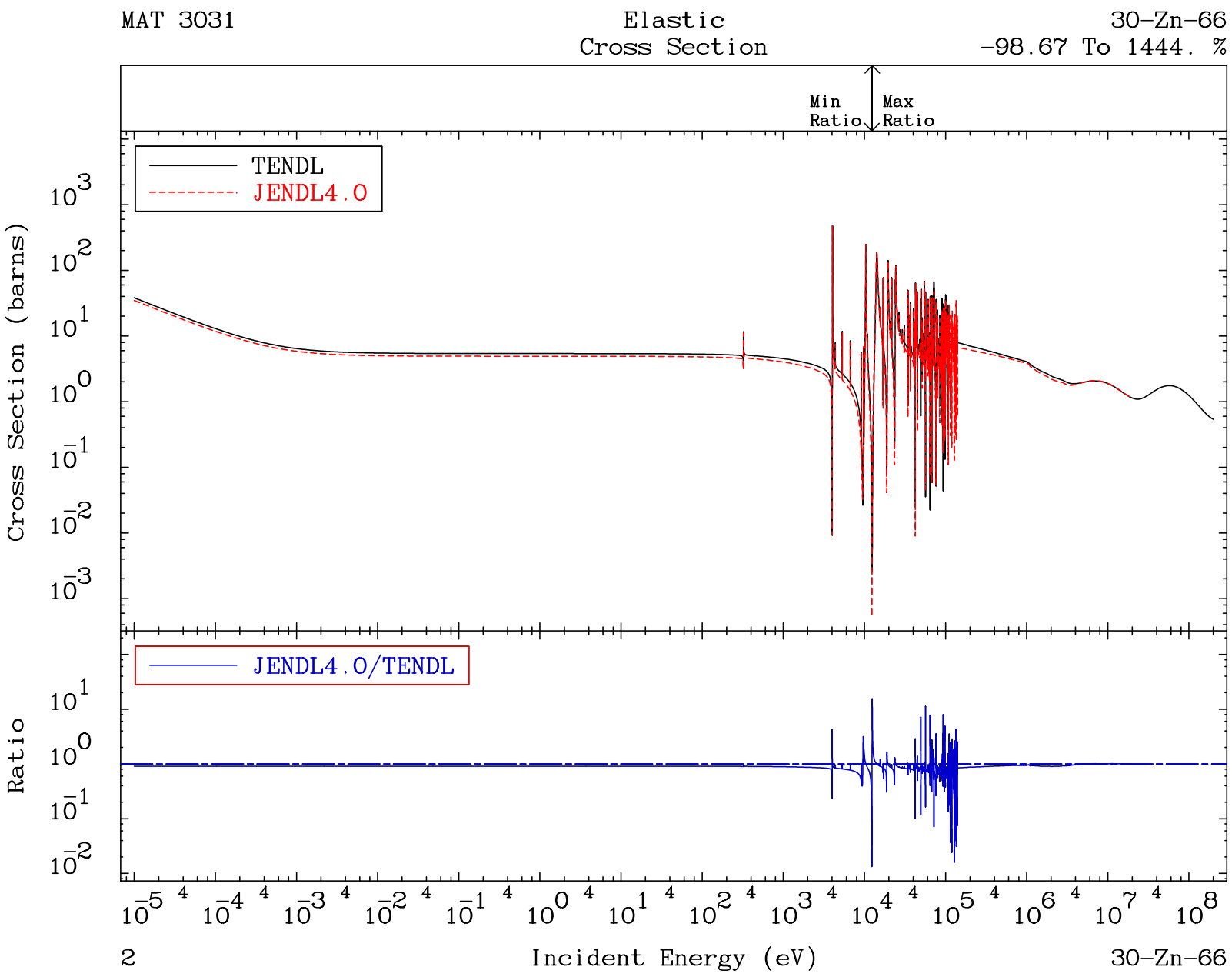
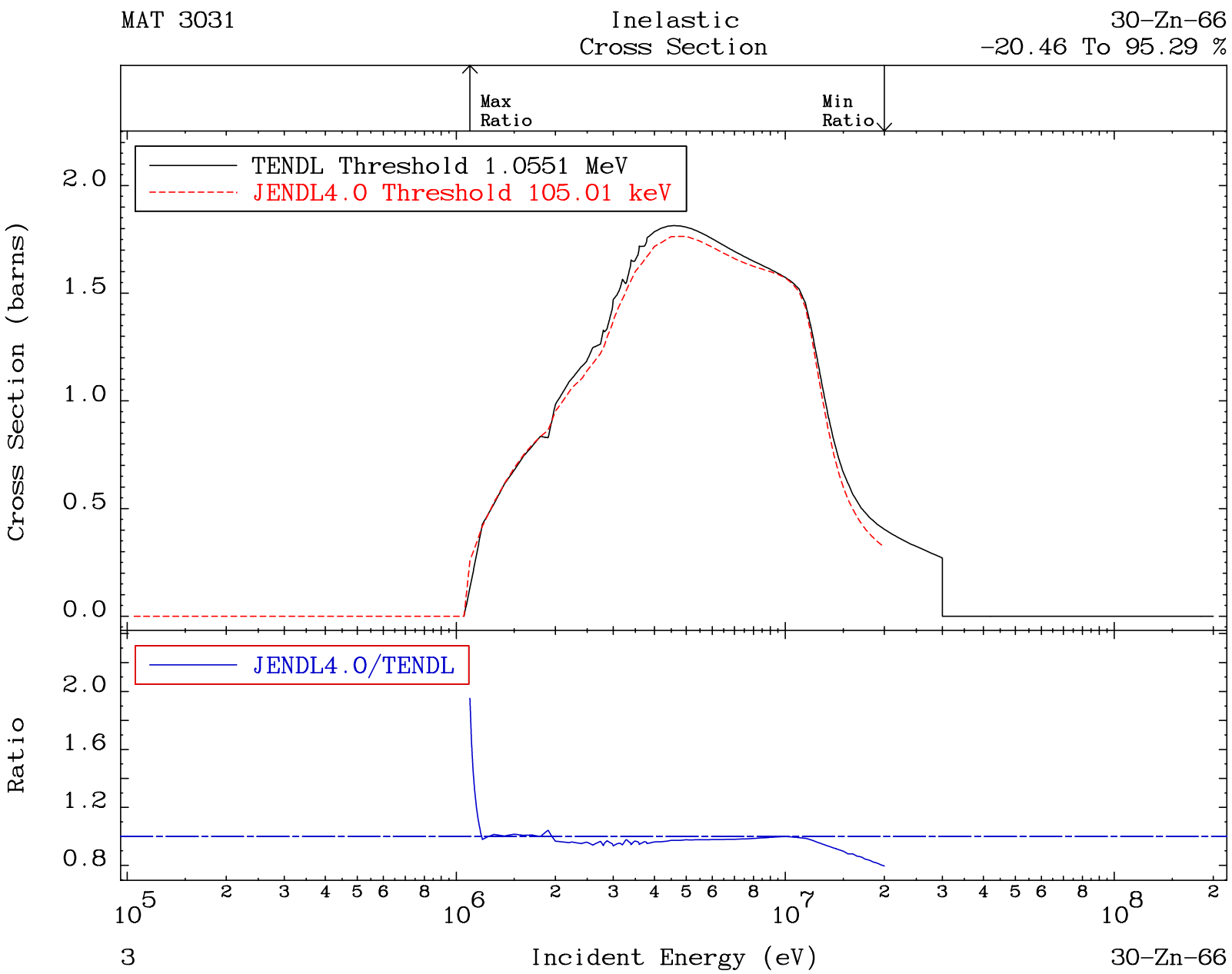
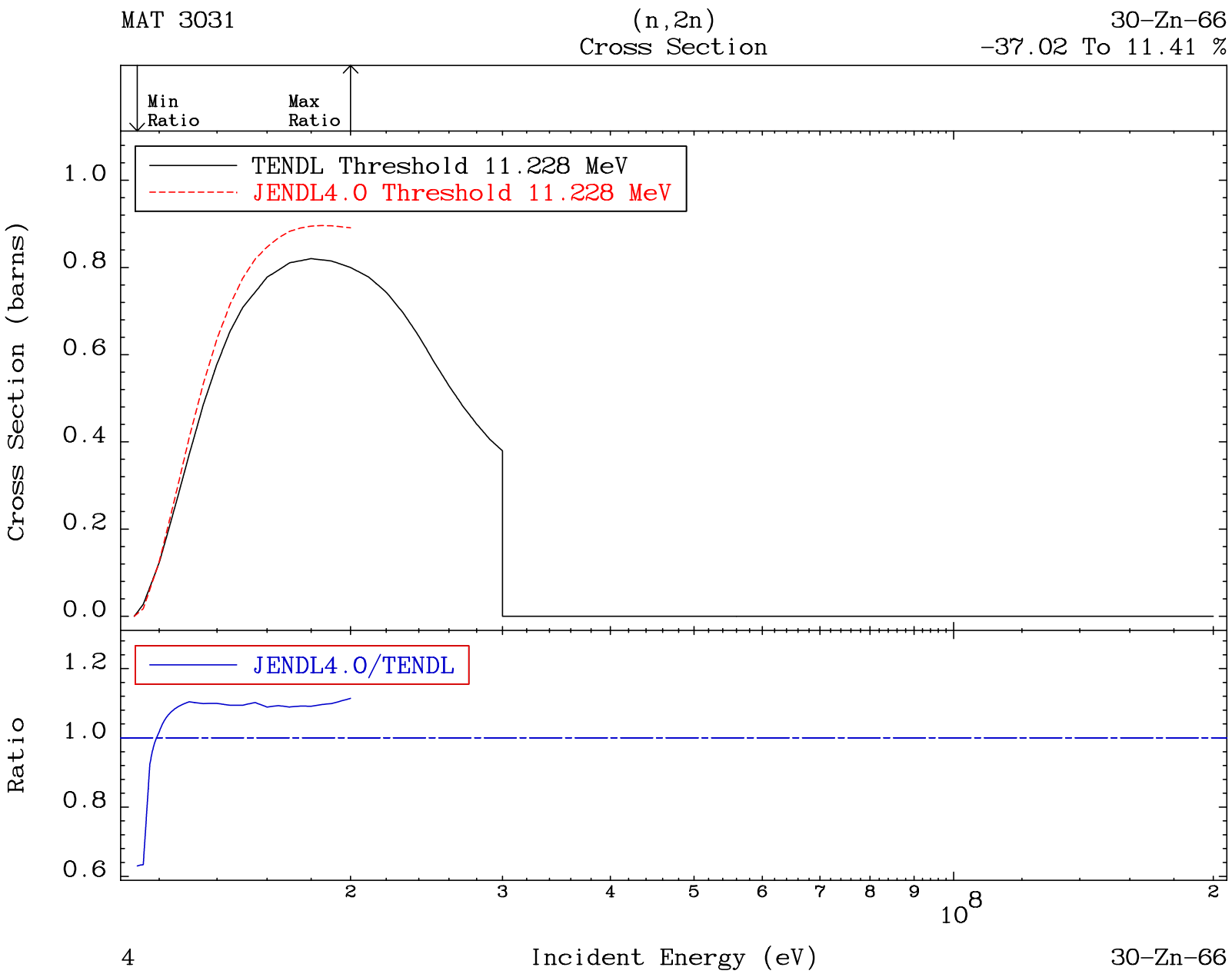
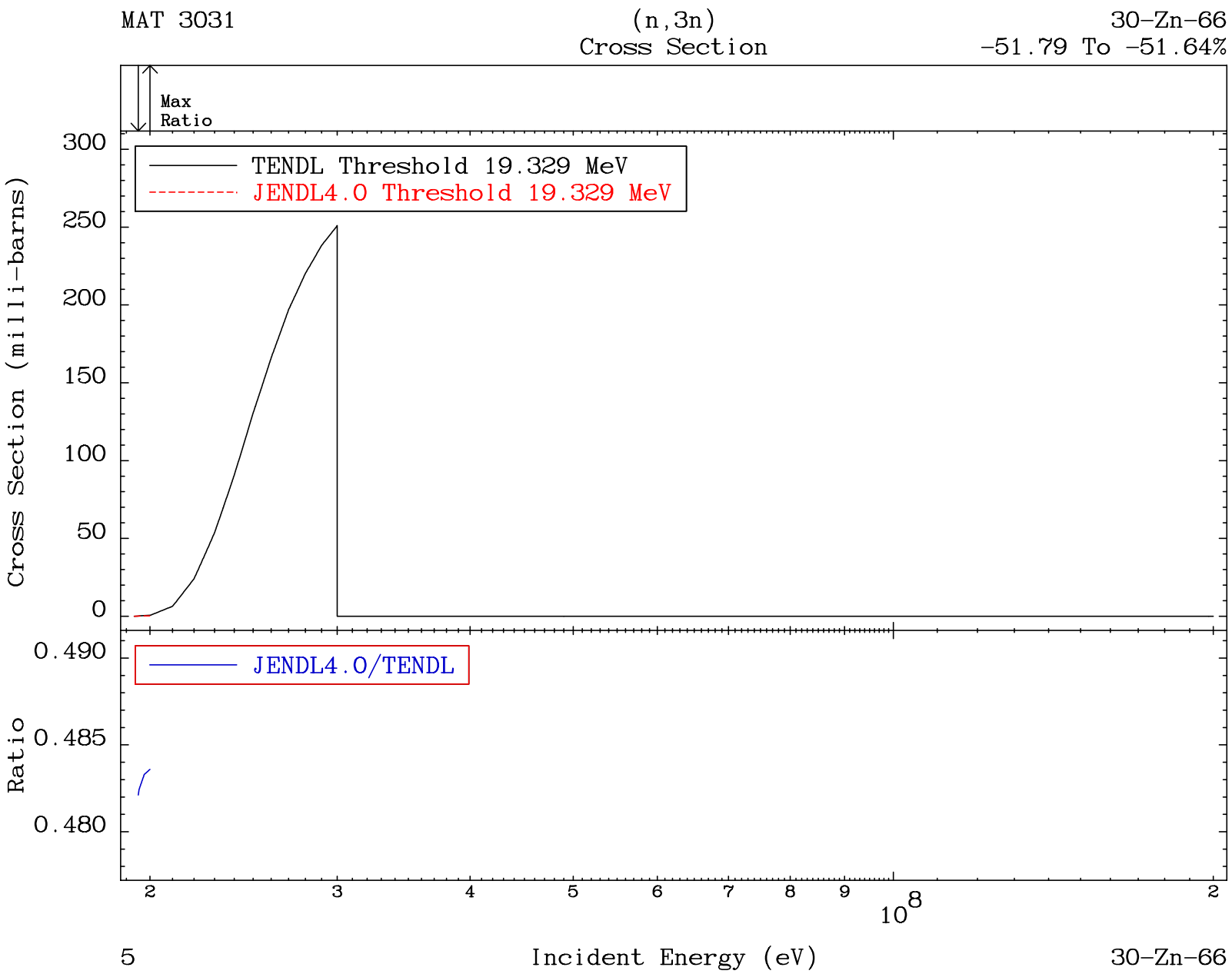
Press Mouse Button to Start

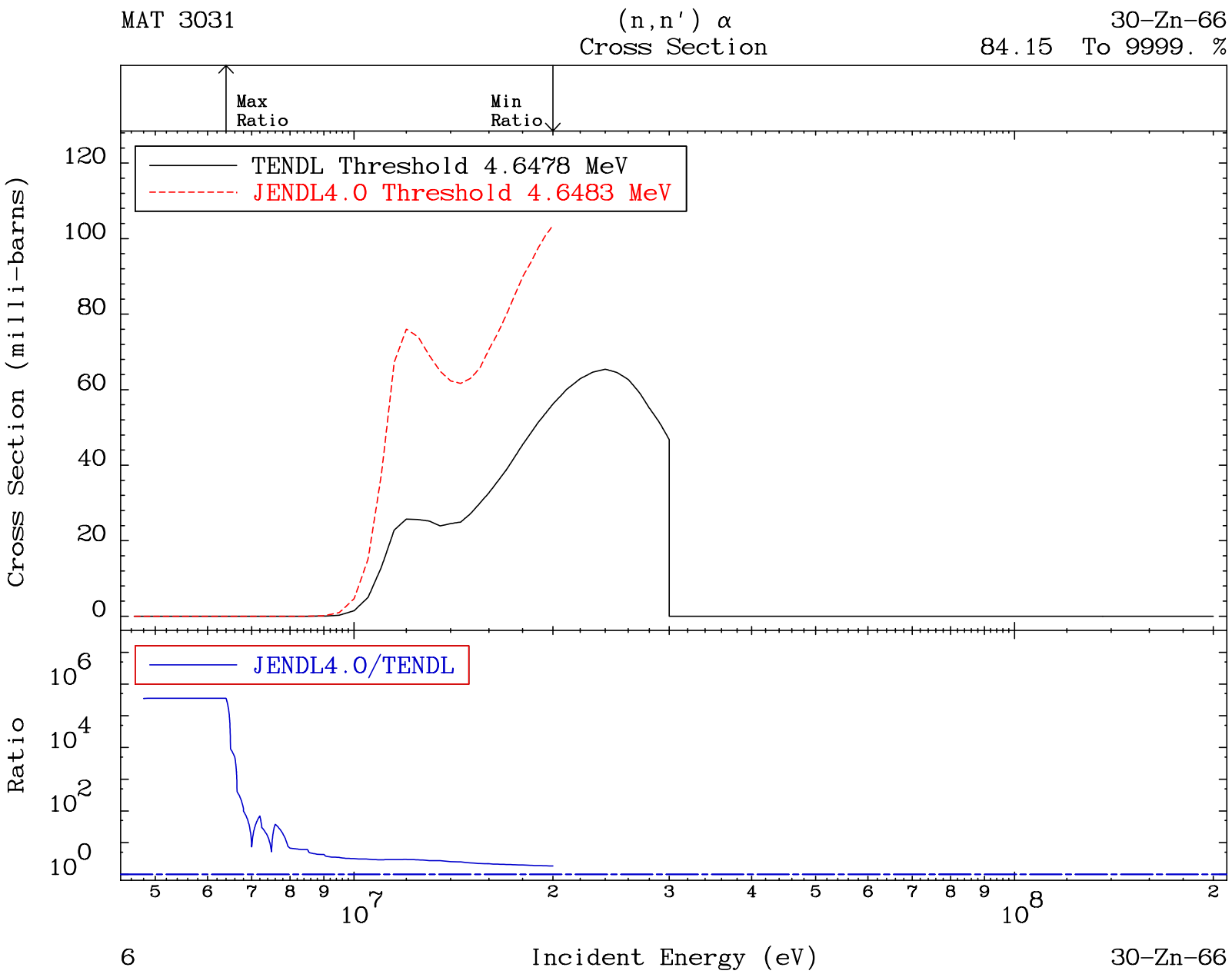

MAT 3031
Total
Cross Section
30-Zn-66
-98.18 To 775.0 %
Max
Ratio
Min
Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
1
30-Zn-66

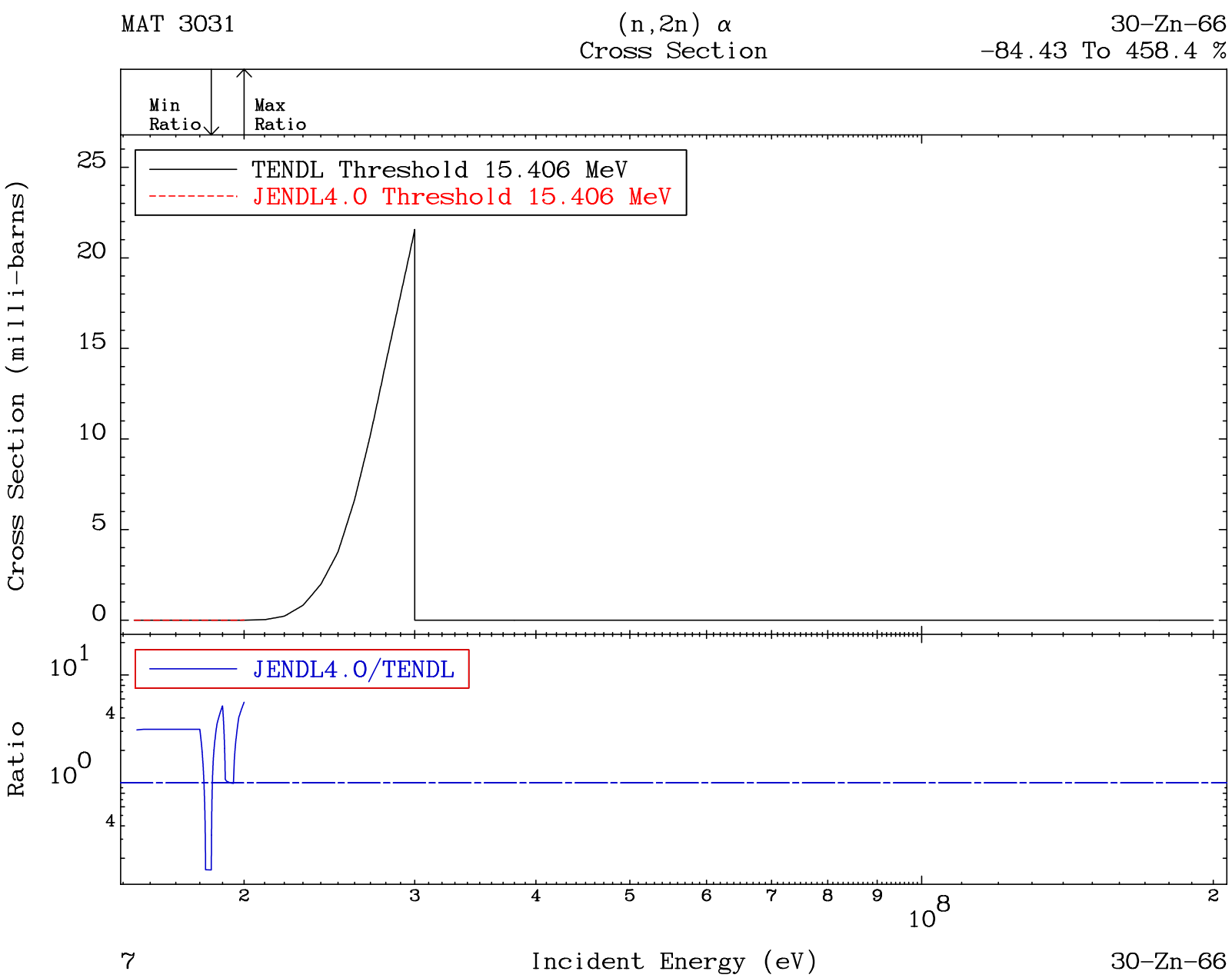

MAT 3031
Elastic
Cross Section
30-Zn-66
-98.67 To 1444. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
2
30-Zn-66

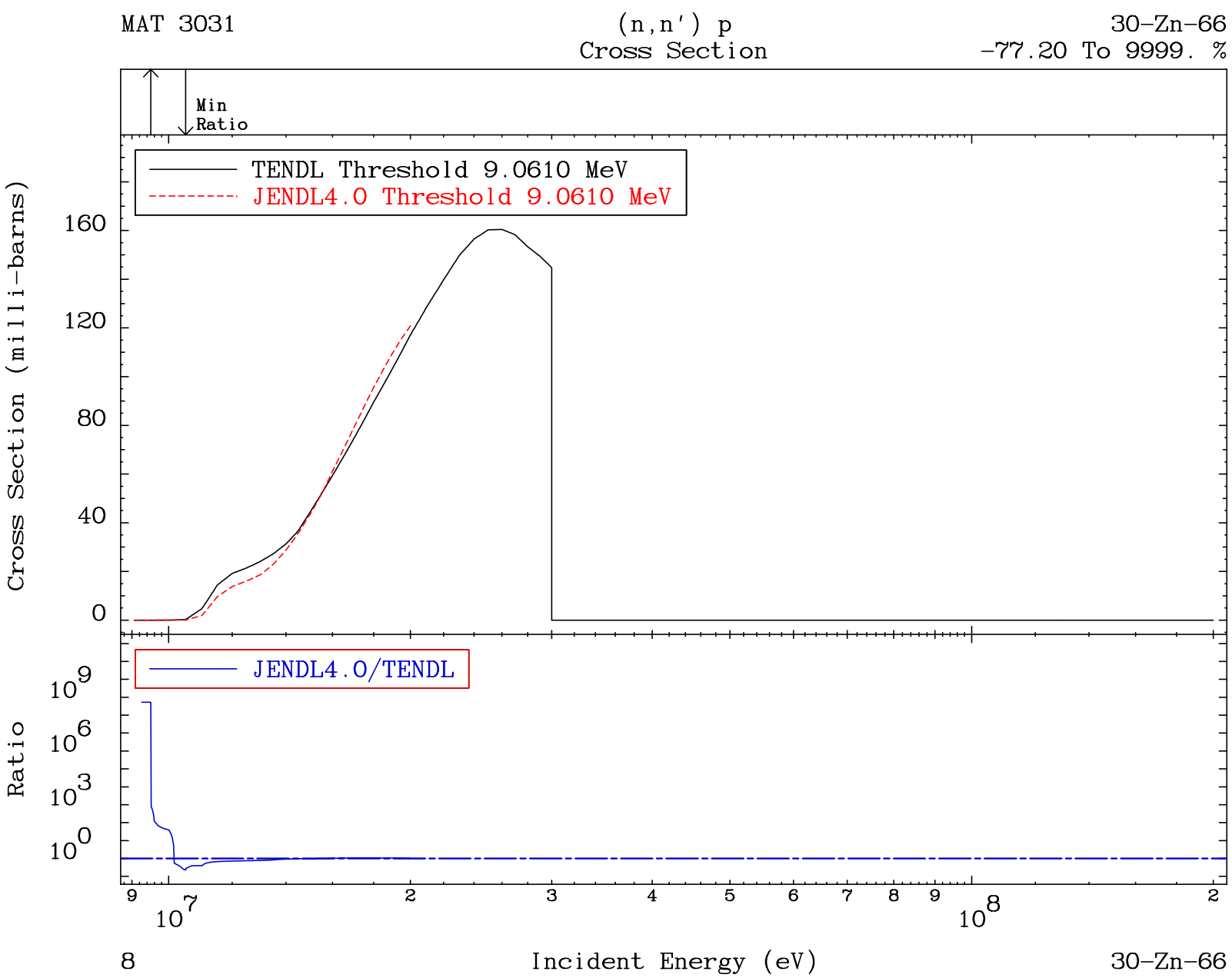

MAT 3031
Inelastic
Cross Section
30-Zn-66
-20.46 To 95.29 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.0551 MeV
JENDL4.0 Threshold 105.01 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JENDL4.0/TENDL
Ratio
2.0
1.6
1.2
0.8
10^5
2
3
4
5
6
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
3
Incident Energy (eV)
30-Zn-66

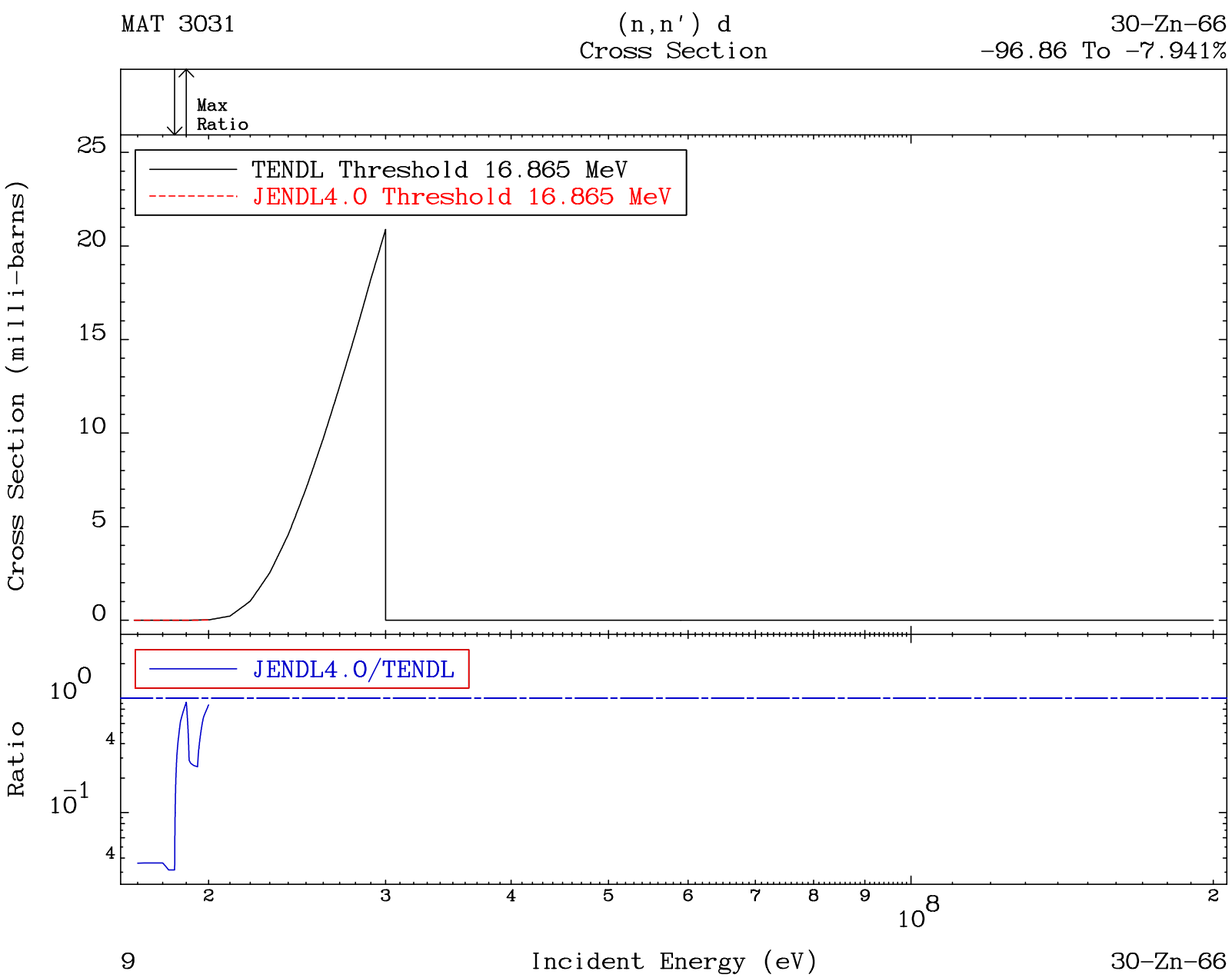

MAT 3031
(n,2n)
Cross Section
30-Zn-66
-37.02 To 11.41 %
Min Ratio
Max Ratio
TENDL Threshold 11.228 MeV
JENDL4.0 Threshold 11.228 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JENDL4.0/TENDL
Ratio
1.2
1.0
0.8
0.6
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
30-Zn-66

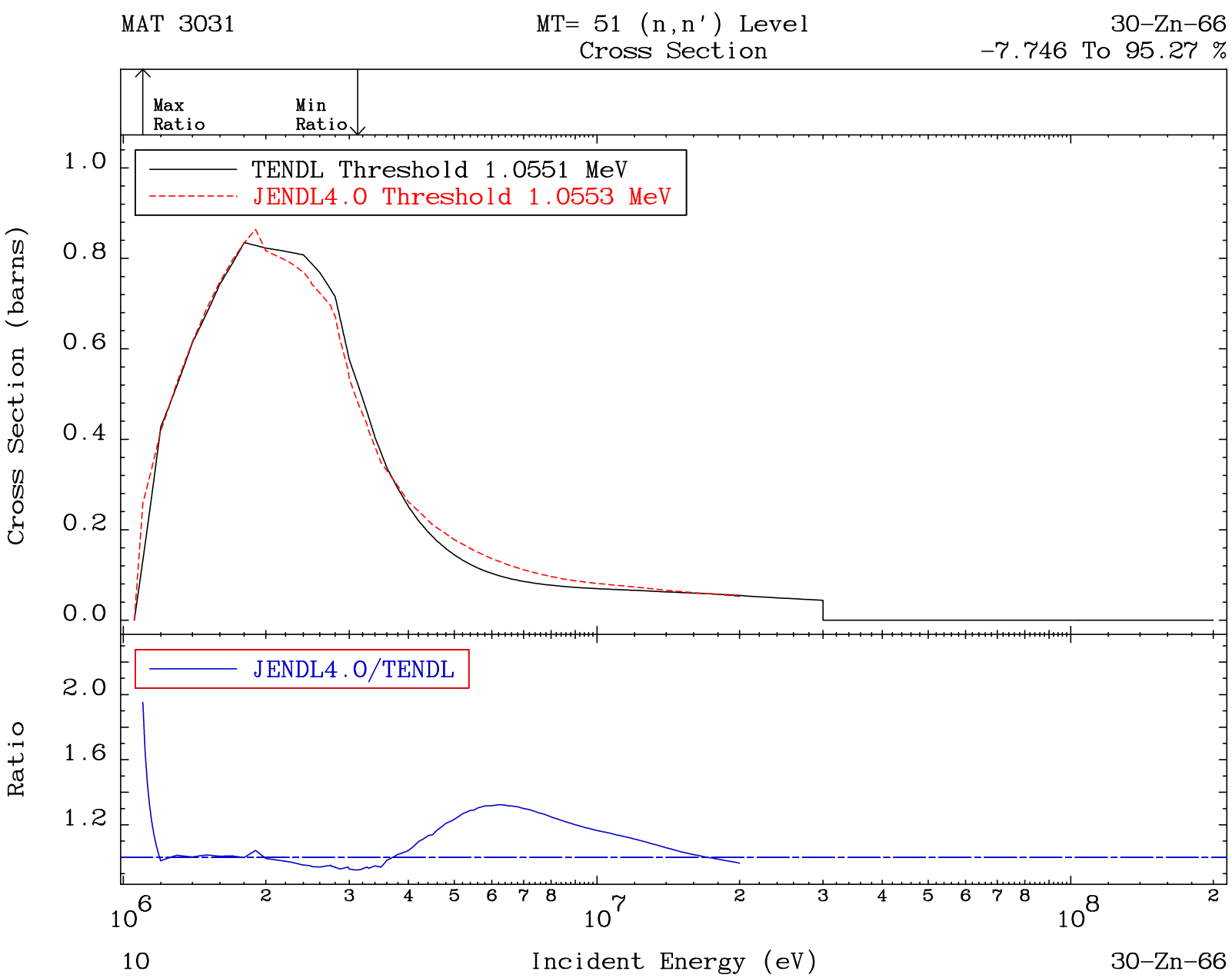

MAT 3031
(n,3n)
Cross Section
30-Zn-66
-51.79 To -51.64%
Max
Ratio
TENDL Threshold 19.329 MeV
JENDL4.0 Threshold 19.329 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
0.490
0.485
0.480
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
30-Zn-66

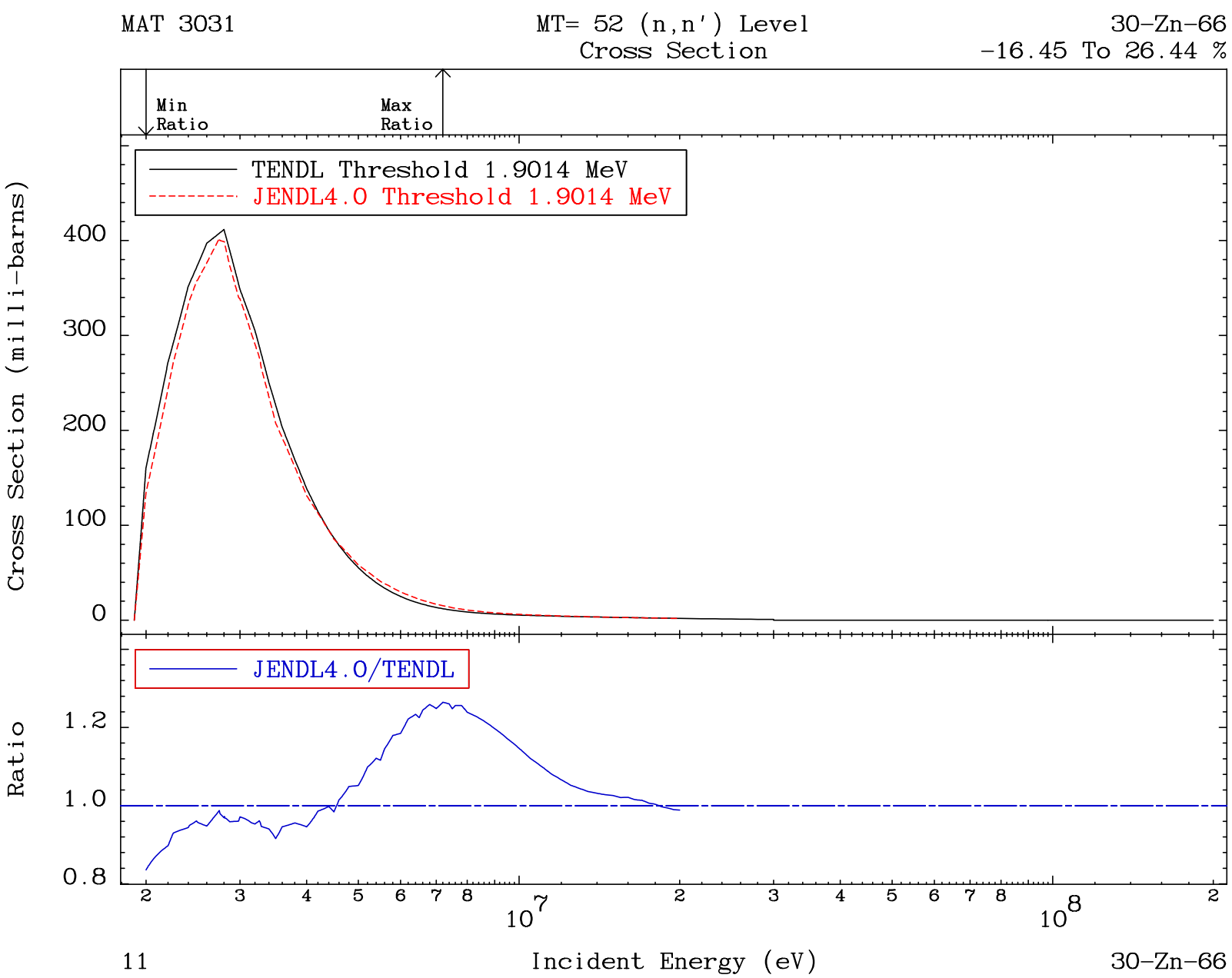

MAT 3031
(n,n') α
Cross Section
30-Zn-66
84.15 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.6478 MeV
JENDL4.0 Threshold 4.6483 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^6
10^4
10^2
10^0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
6
30-Zn-66

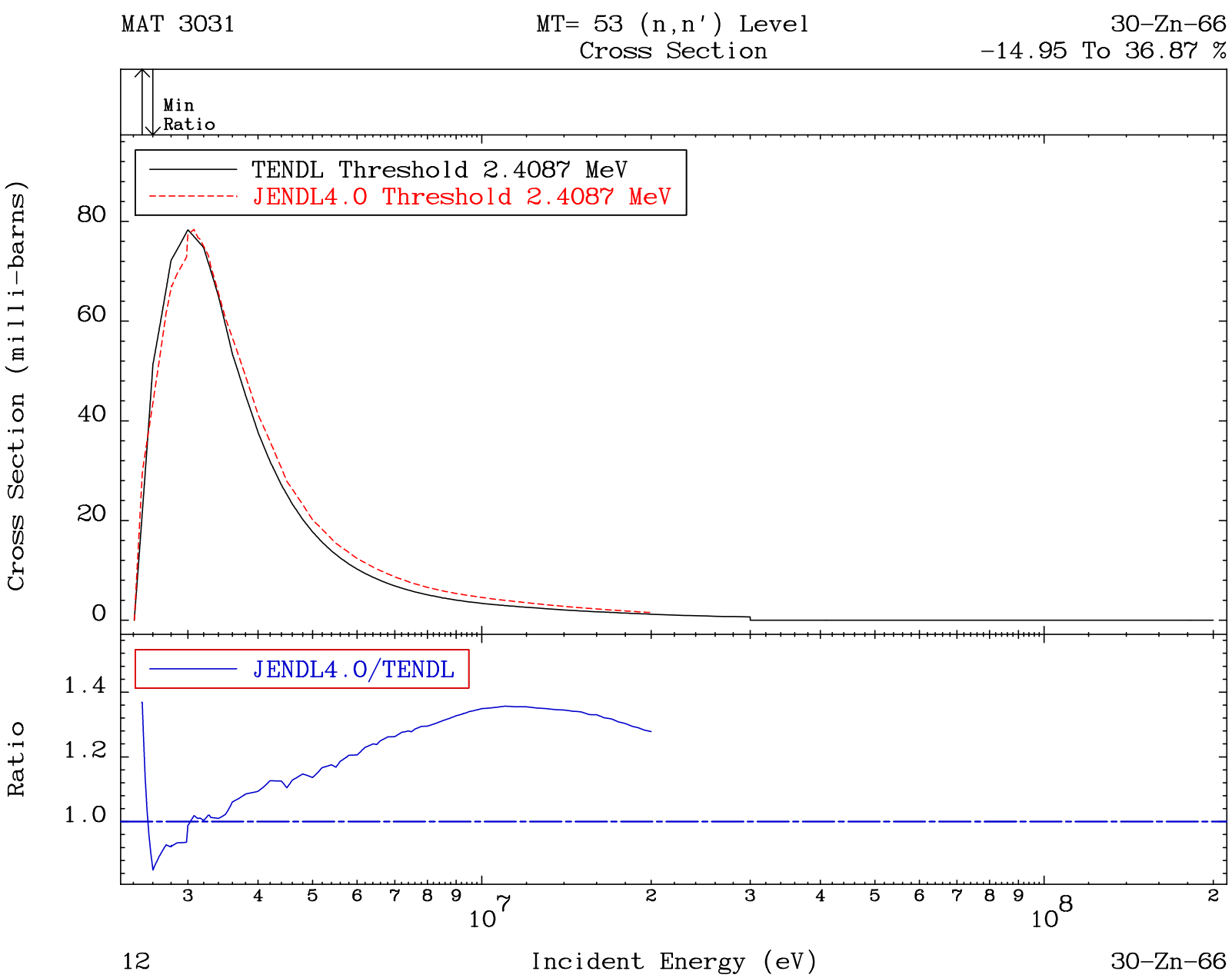

MAT 3031
(n,2n) α
Cross Section
30-Zn-66
-84.43 To 458.4 %
Min Ratio
Max Ratio
TENDL Threshold 15.406 MeV
JENDL4.0 Threshold 15.406 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JENDL4.0/TENDL
Ratio
10^1
4
10^0
4
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
30-Zn-66

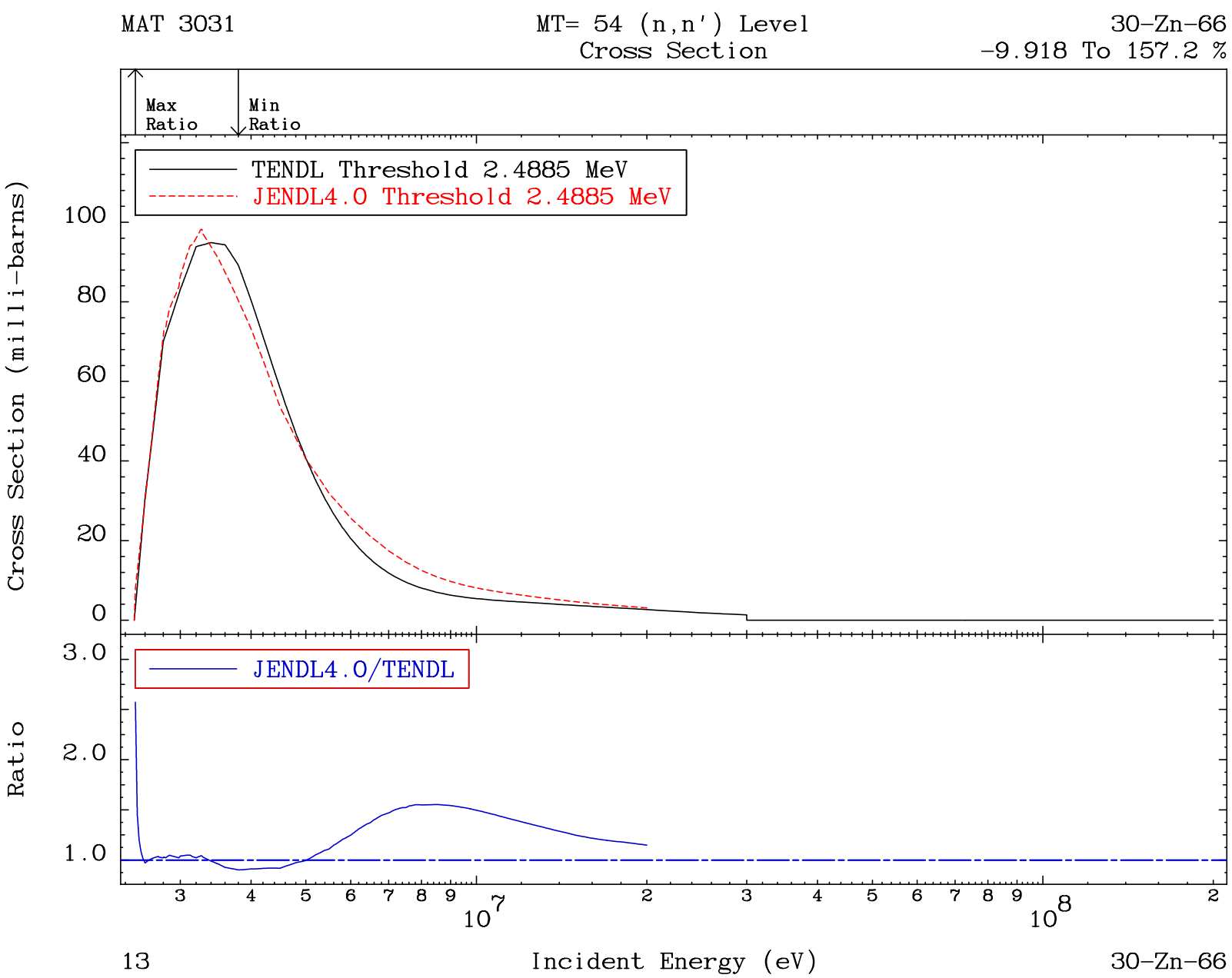

MAT 3031
(n,n') p
Cross Section
30-Zn-66
-77.20 To 9999. %
Min
Ratio
TENDL Threshold 9.0610 MeV
JENDL4.0 Threshold 9.0610 MeV
Cross Section (milli-barns)
160
120
80
40
0
JENDL4.0/TENDL
Ratio
10^9
10^6
10^3
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
30-Zn-66

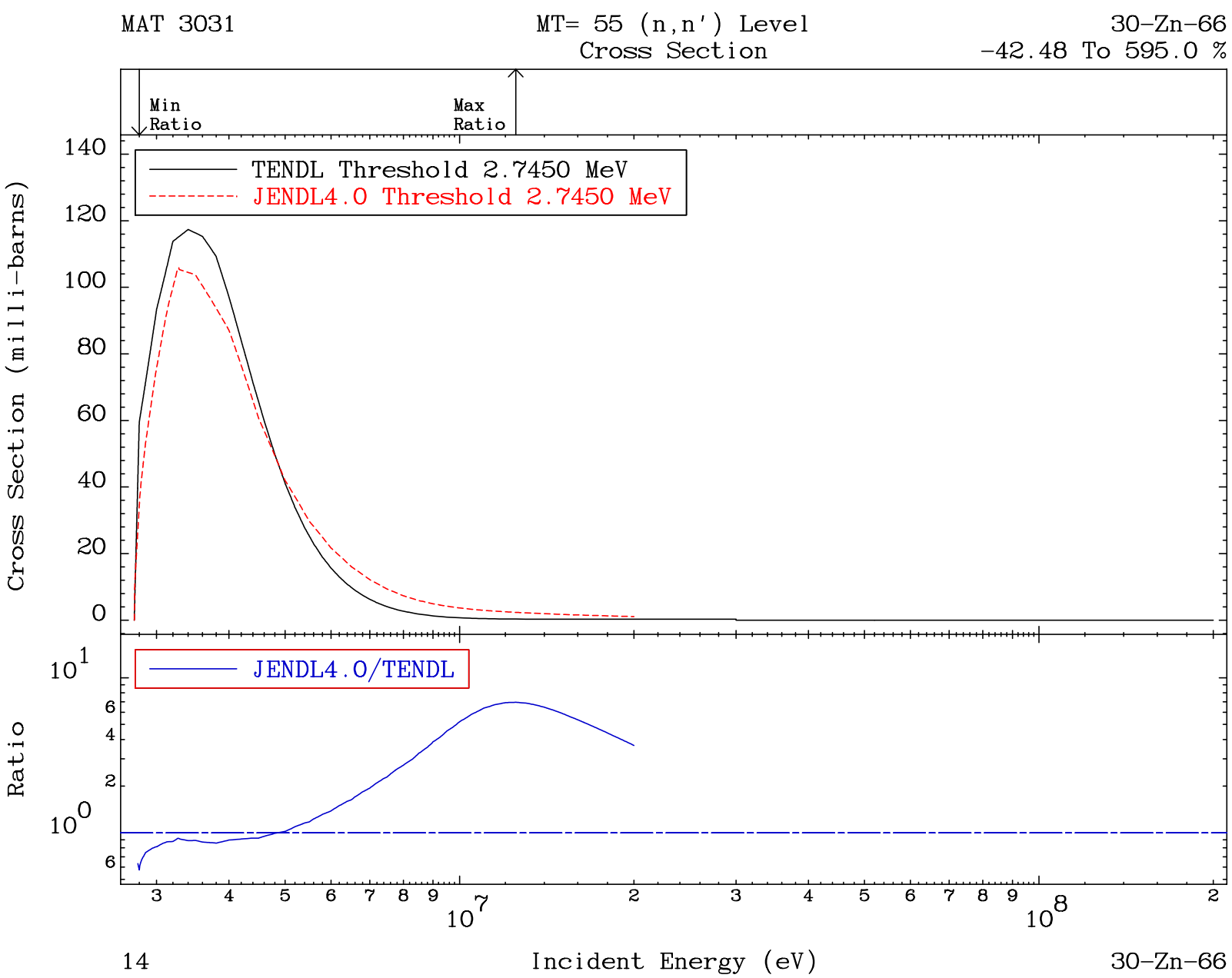

MAT 3031
(n,n') d
Cross Section
30-Zn-66
-96.86 To -7.941%
Max
Ratio
TENDL Threshold 16.865 MeV
JENDL4.0 Threshold 16.865 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JENDL4.0/TENDL
Ratio
10^0
10^-1
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
30-Zn-66

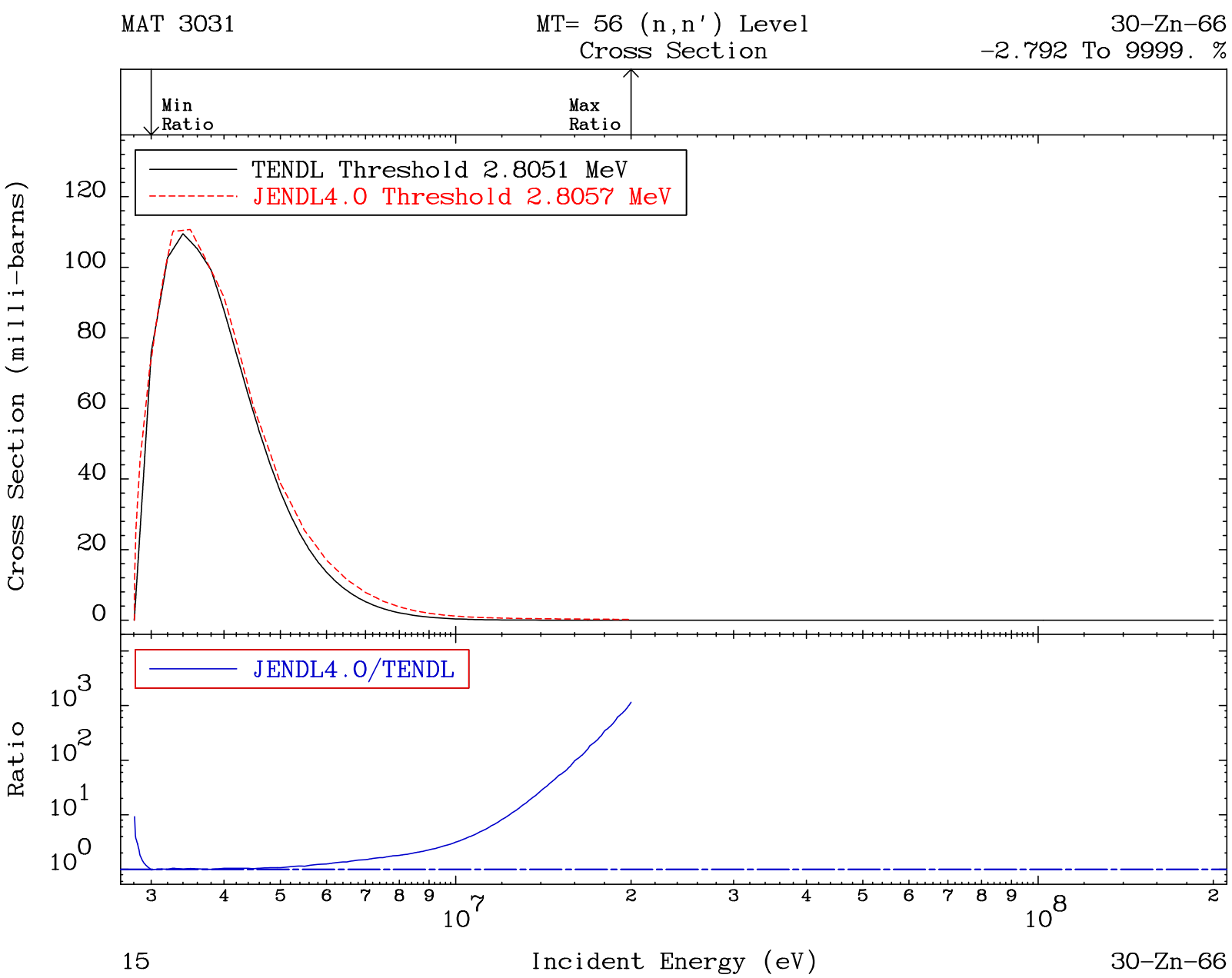

MAT 3031
MT= 51 (n,n') Level
Cross Section
30-Zn-66
-7.746 To 95.27 %
Max Ratio
Min Ratio
TENDL Threshold 1.0551 MeV
JENDL4.0 Threshold 1.0553 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JENDL4.0/TENDL
Ratio
2.0
1.6
1.2
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
10
Incident Energy (eV)
30-Zn-66

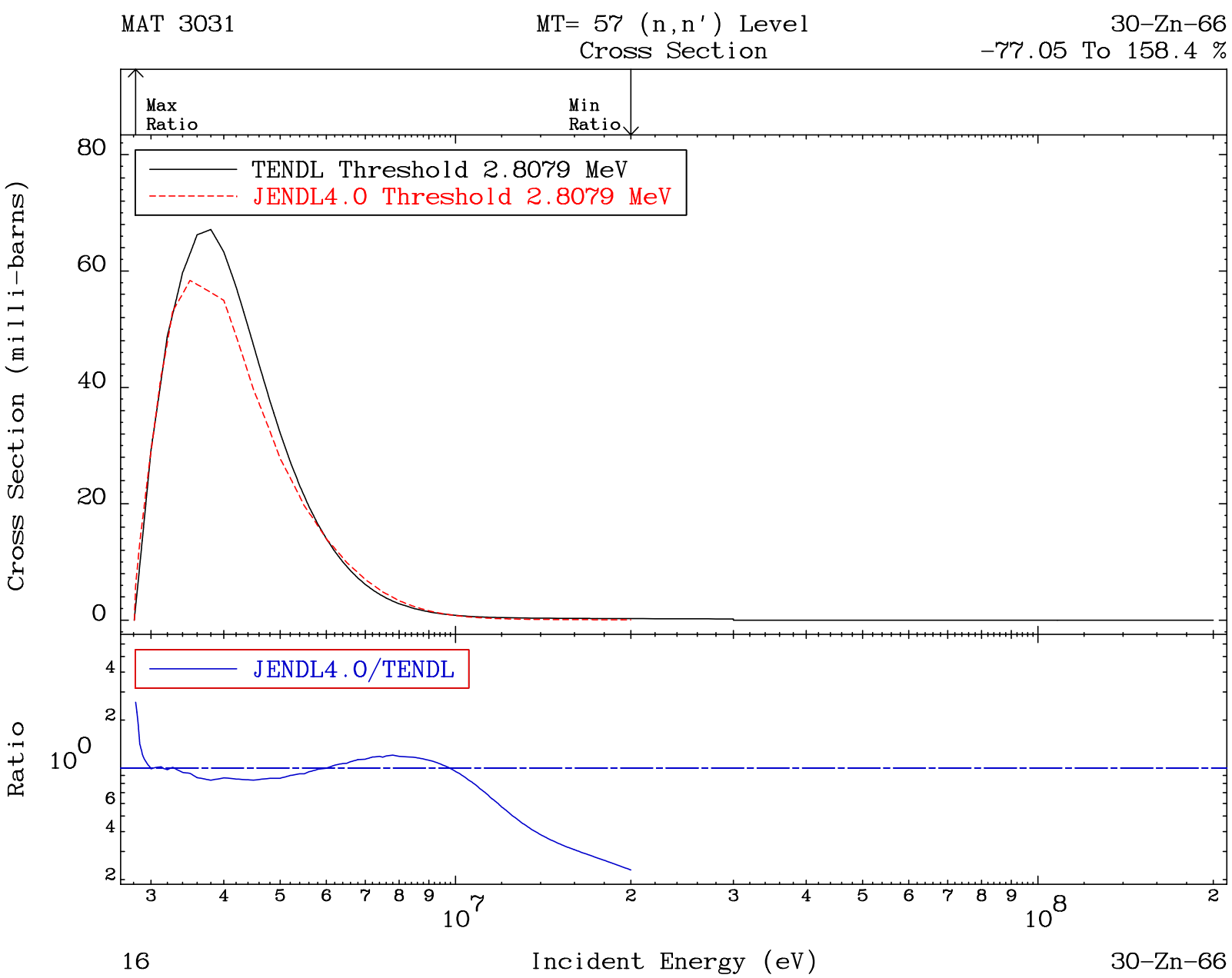

MAT 3031
MT= 52 (n,n') Level
Cross Section
30-Zn-66
-16.45 To 26.44 %
Min Ratio
Max Ratio
TENDL Threshold 1.9014 MeV
JENDL4.0 Threshold 1.9014 MeV
Cross Section (milli-barns)
400
300
200
100
0
JENDL4.0/TENDL
Ratio
1.2
1.0
0.8
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
11
Incident Energy (eV)
30-Zn-66

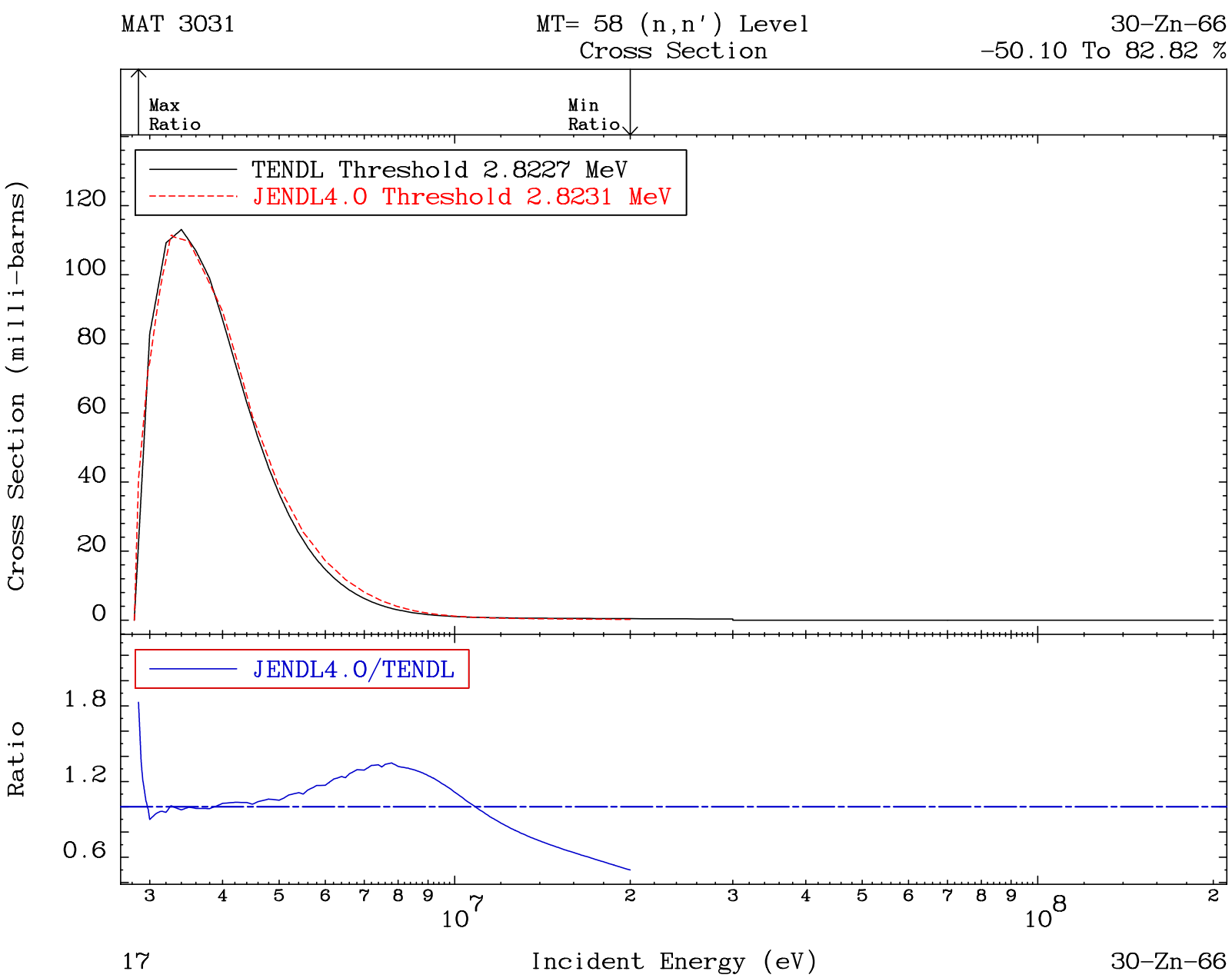

MAT 3031
MT= 53 (n,n') Level
Cross Section
30-Zn-66
-14.95 To 36.87 %
Min
Ratio
TENDL Threshold 2.4087 MeV
JENDL4.0 Threshold 2.4087 MeV
Cross Section (milli-barns)
80
60
40
20
0
JENDL4.0/TENDL
Ratio
1.4
1.2
1.0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
12
Incident Energy (eV)
30-Zn-66

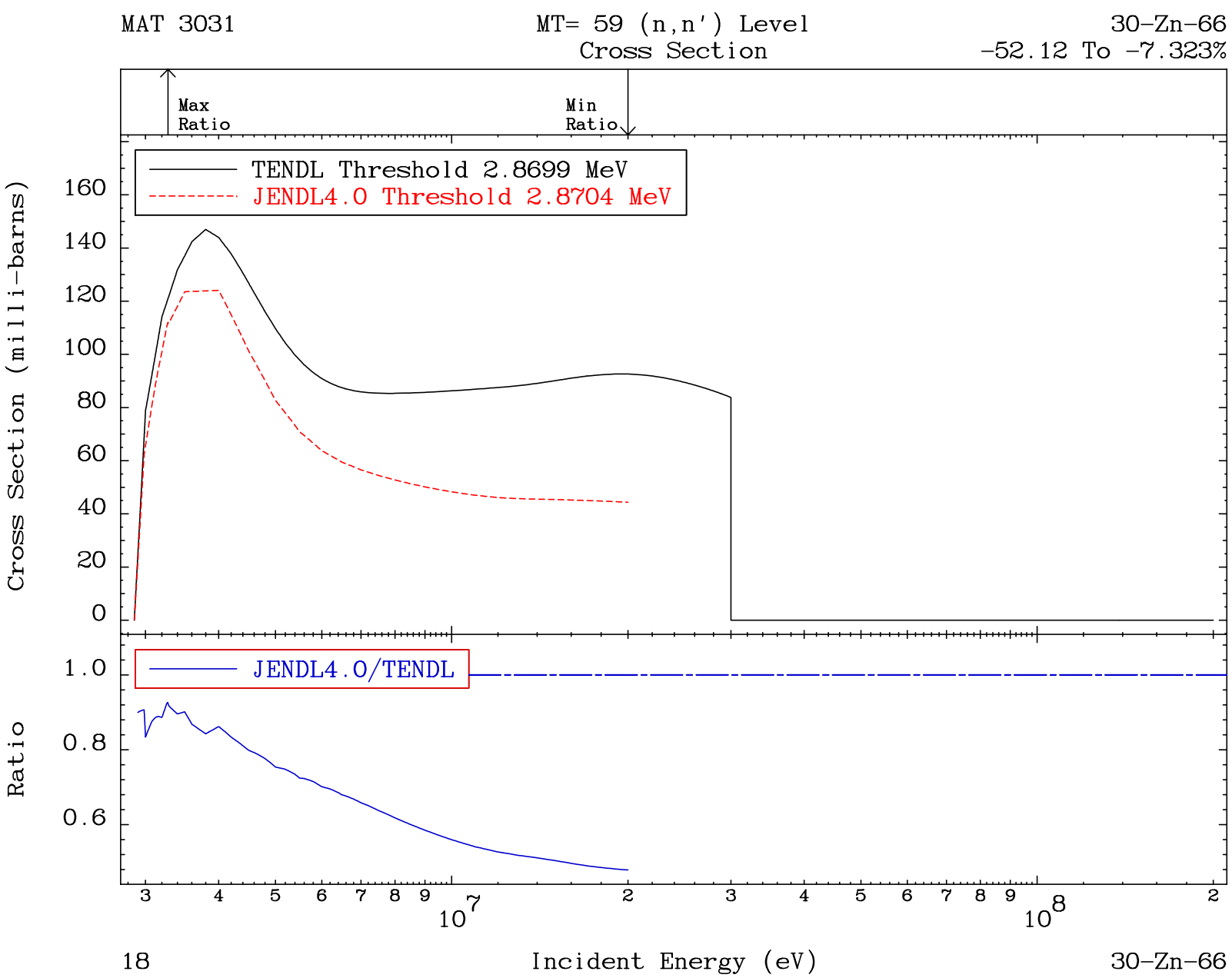

MAT 3031
MT= 54 (n,n') Level
Cross Section
30-Zn-66
-9.918 To 157.2 %
Max Ratio
Min Ratio
TENDL Threshold 2.4885 MeV
JENDL4.0 Threshold 2.4885 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
3.0
2.0
1.0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
13
Incident Energy (eV)
30-Zn-66

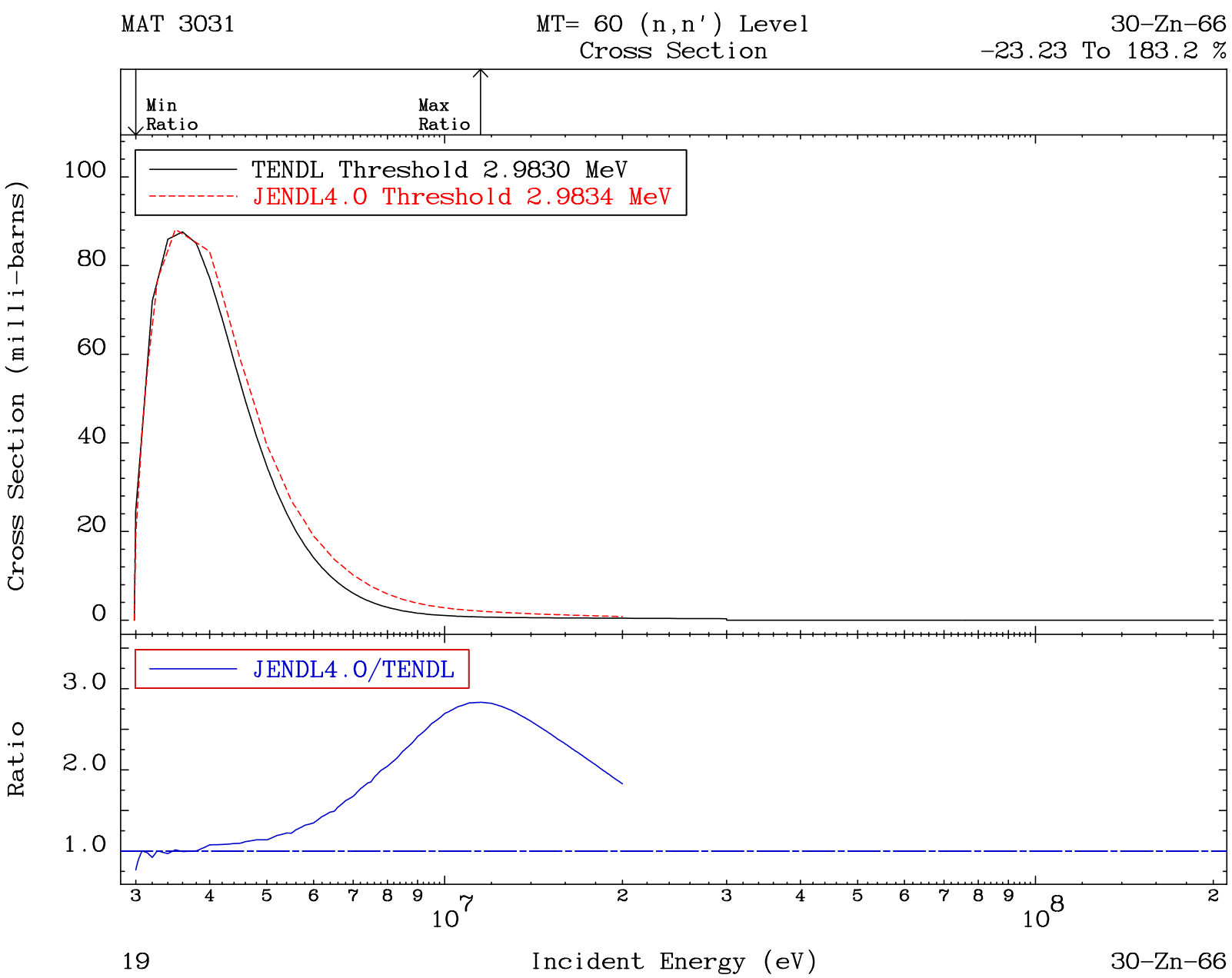

MAT 3031
MT= 55 (n,n') Level
Cross Section
30-Zn-66
-42.48 To 595.0 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.7450 MeV
JENDL4.0 Threshold 2.7450 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^1
10^0
6
4
2
6
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
14
Incident Energy (eV)
30-Zn-66

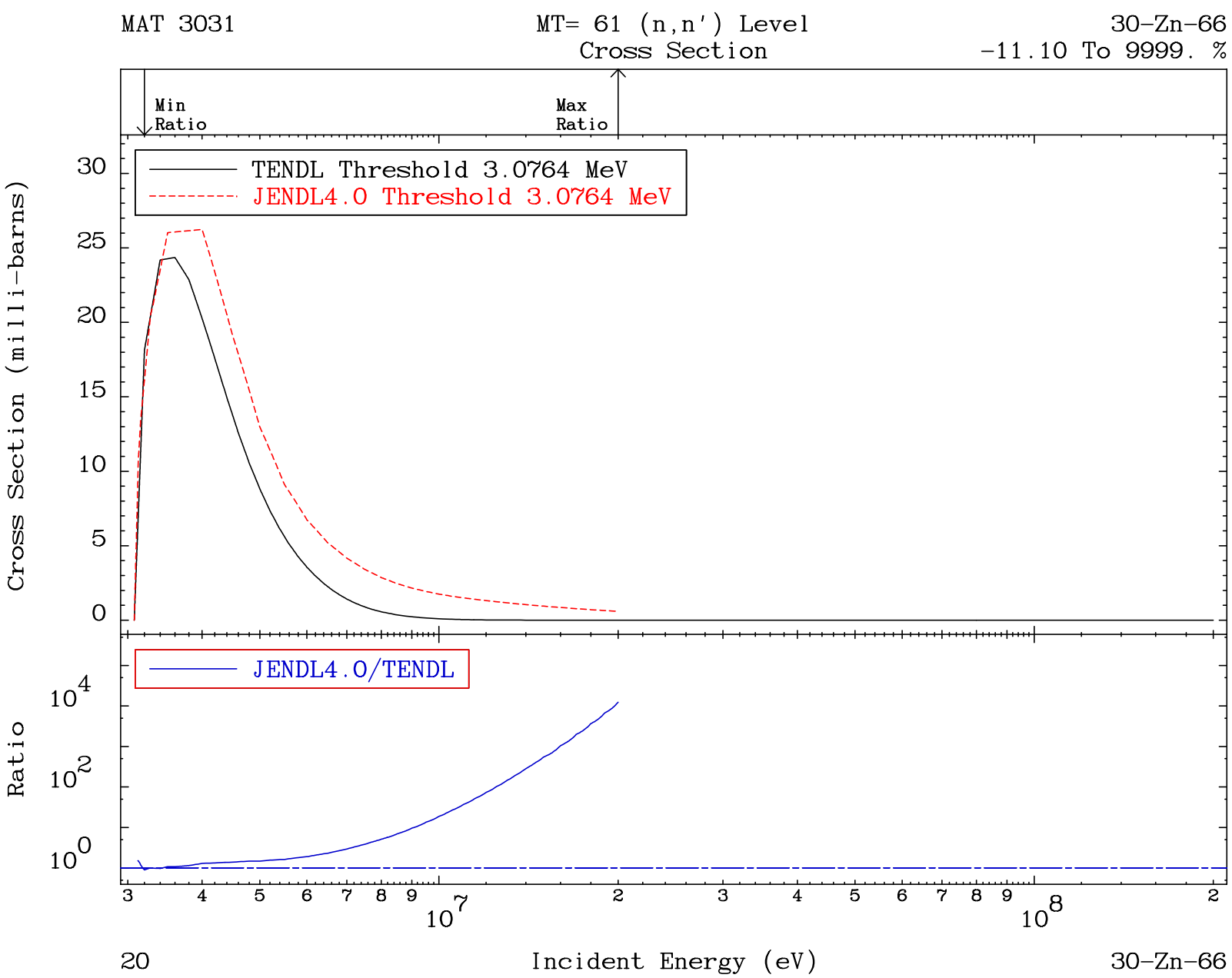

MAT 3031
MT= 56 (n,n') Level
Cross Section
30-Zn-66
-2.792 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 2.8051 MeV
JENDL4.0 Threshold 2.8057 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^3
10^2
10^1
10^0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
15
Incident Energy (eV)
30-Zn-66

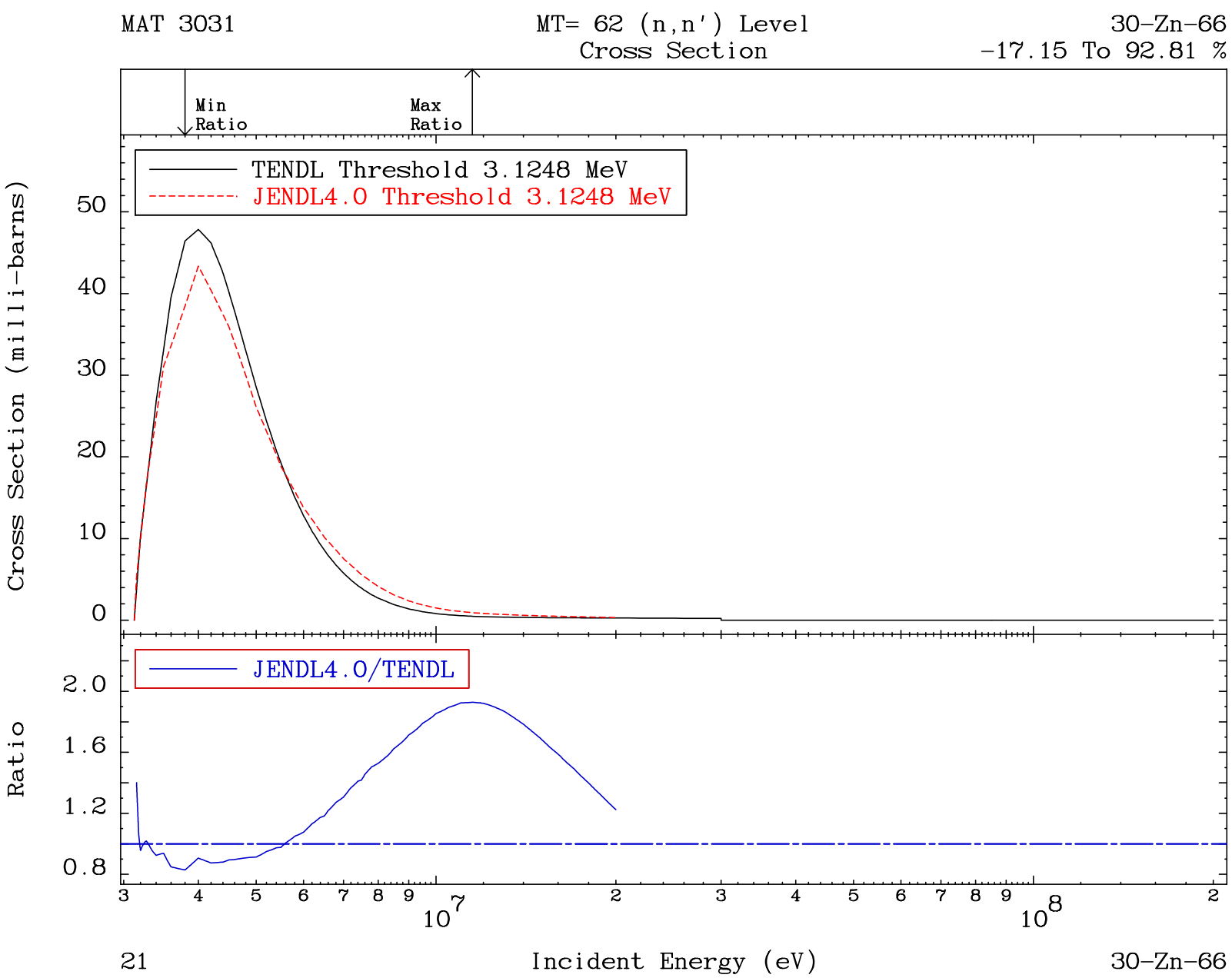

MAT 3031
MT= 57 (n,n') Level
Cross Section
30-Zn-66
-77.05 To 158.4 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.8079 MeV
JENDL4.0 Threshold 2.8079 MeV
Cross Section (milli-barns)
80
60
40
20
0
JENDL4.0/TENDL
Ratio
4
2
10^0
6
4
2
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
16
Incident Energy (eV)
30-Zn-66

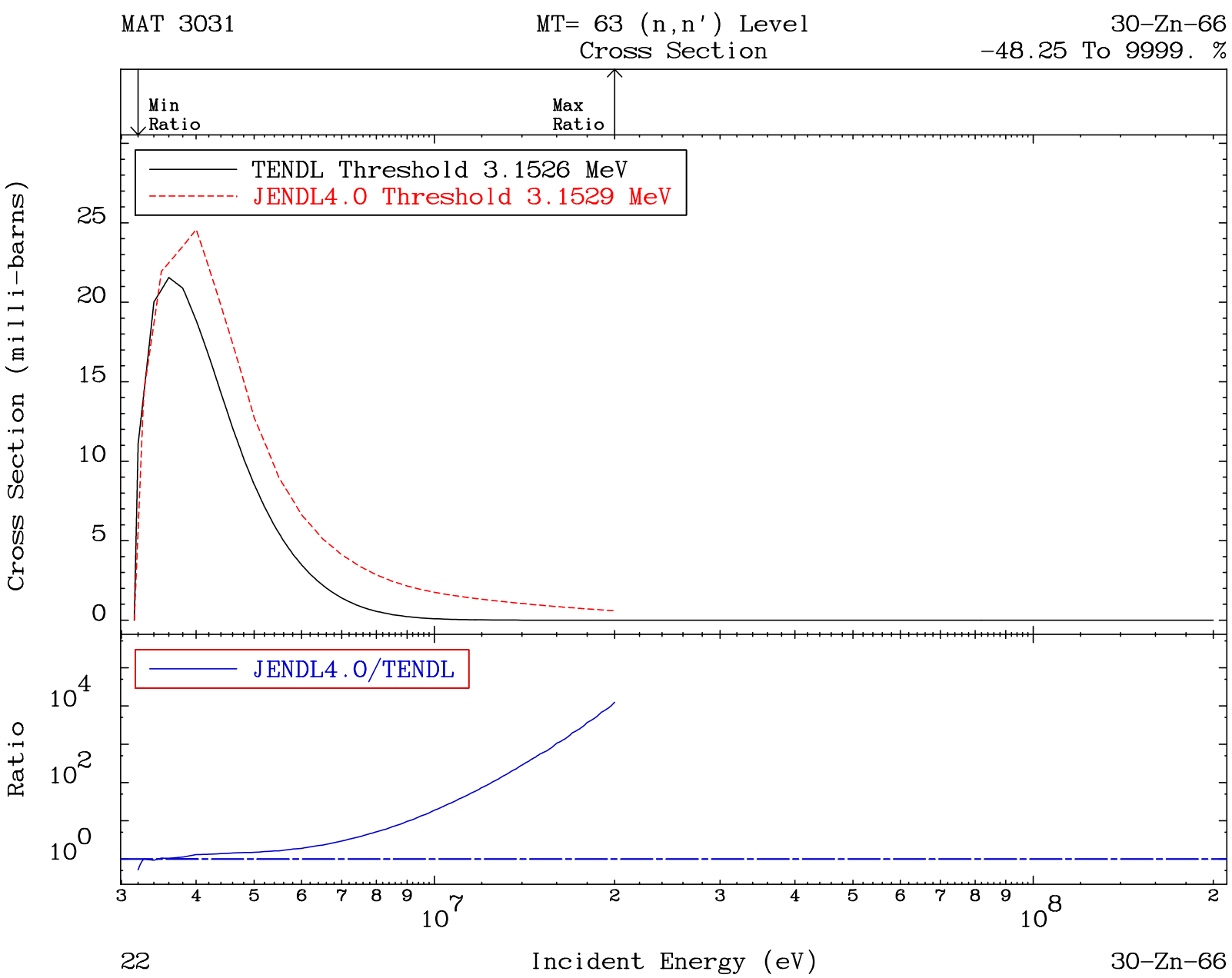

MAT 3031
MT= 58 (n,n') Level
Cross Section
30-Zn-66
-50.10 To 82.82 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.8227 MeV
JENDL4.0 Threshold 2.8231 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
1.8
1.2
0.6
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
17
Incident Energy (eV)
30-Zn-66

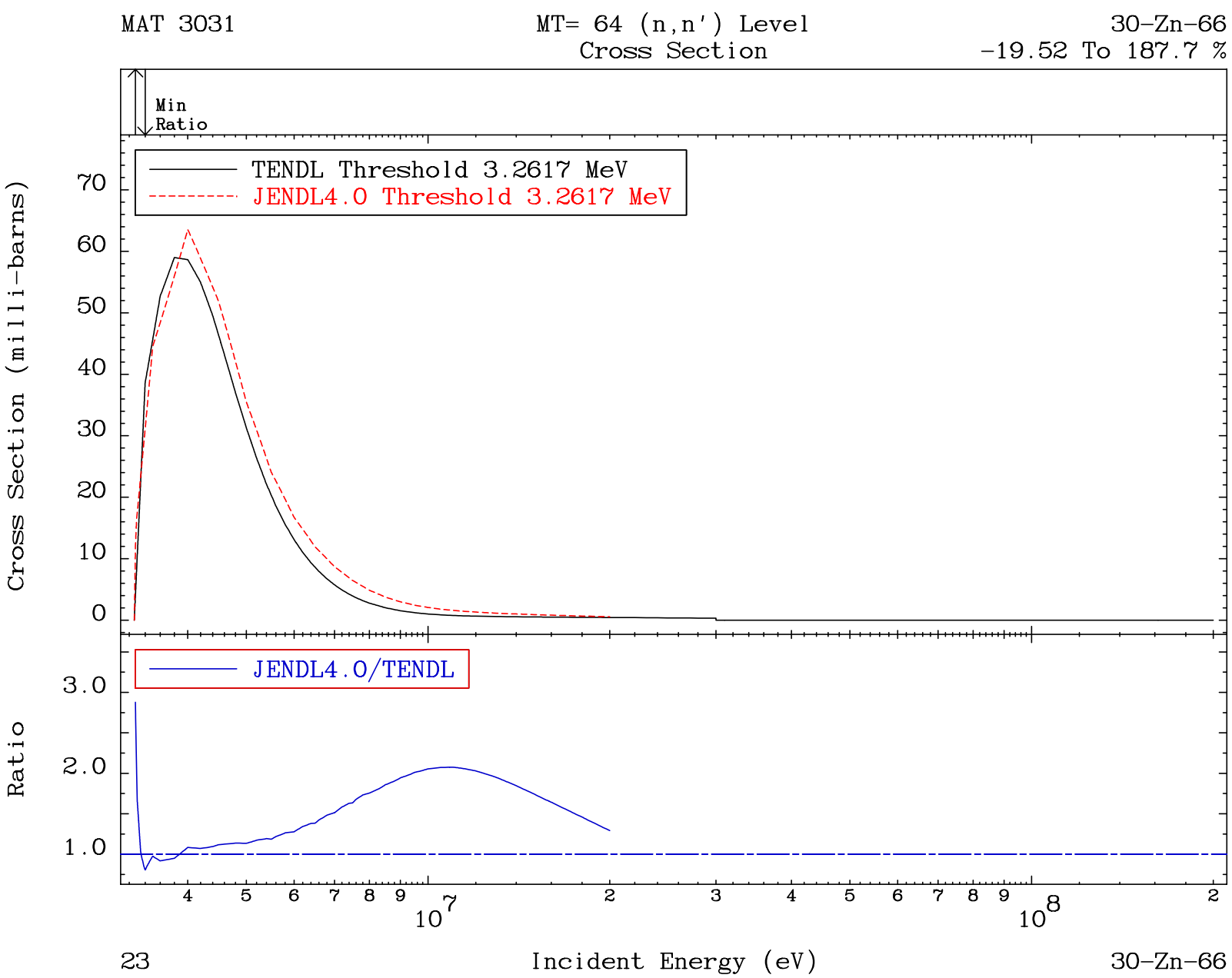

MAT 3031
MT= 59 (n,n') Level
Cross Section
30-Zn-66
-52.12 To -7.323%
Max
Ratio
Min
Ratio
TENDL Threshold 2.8699 MeV
JENDL4.0 Threshold 2.8704 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
1.0
0.8
0.6
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
18
Incident Energy (eV)
30-Zn-66

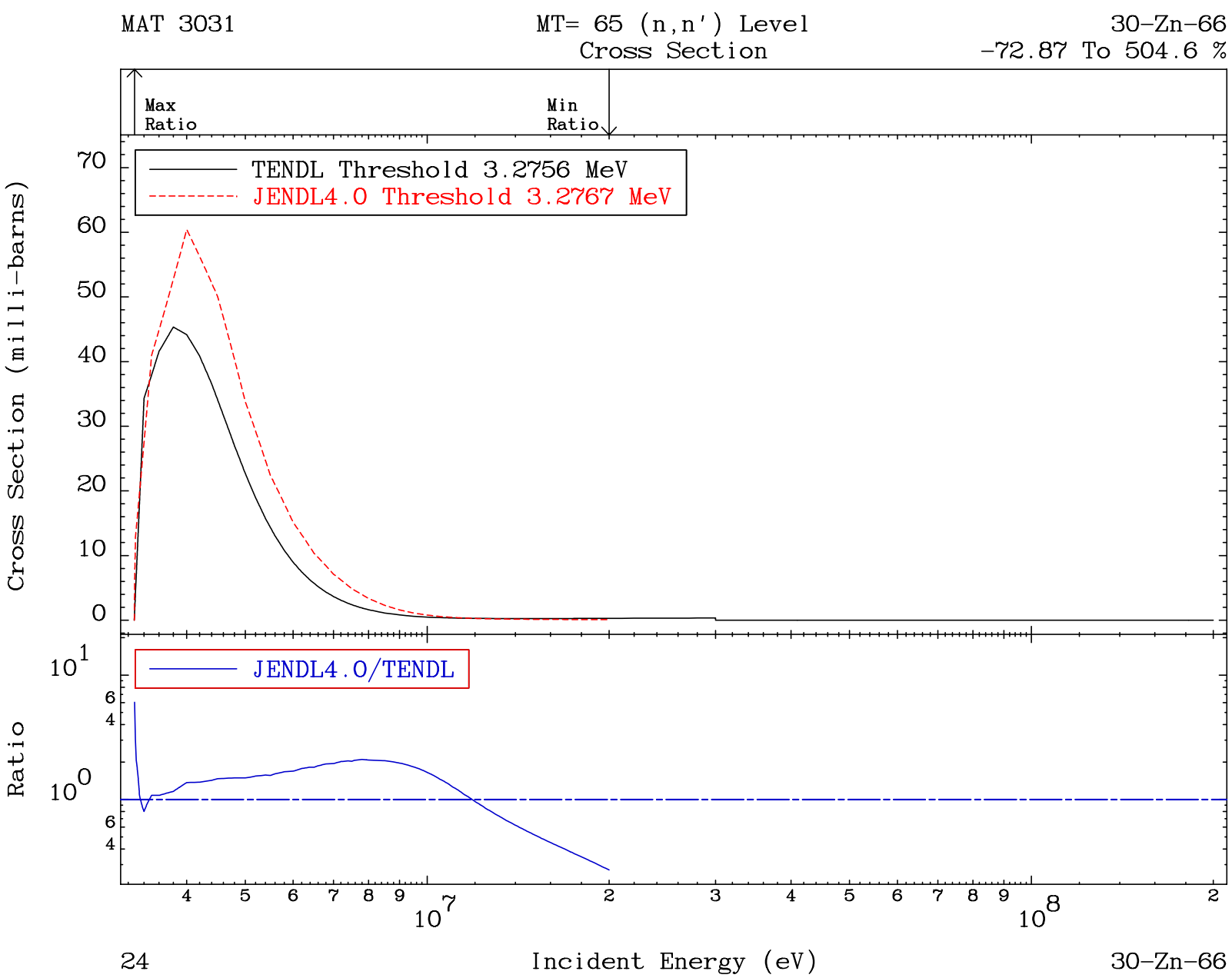

MAT 3031
MT= 60 (n,n') Level
Cross Section
30-Zn-66
-23.23 To 183.2 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.9830 MeV
JENDL4.0 Threshold 2.9834 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
3.0
2.0
1.0
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
19
Incident Energy (eV)
30-Zn-66

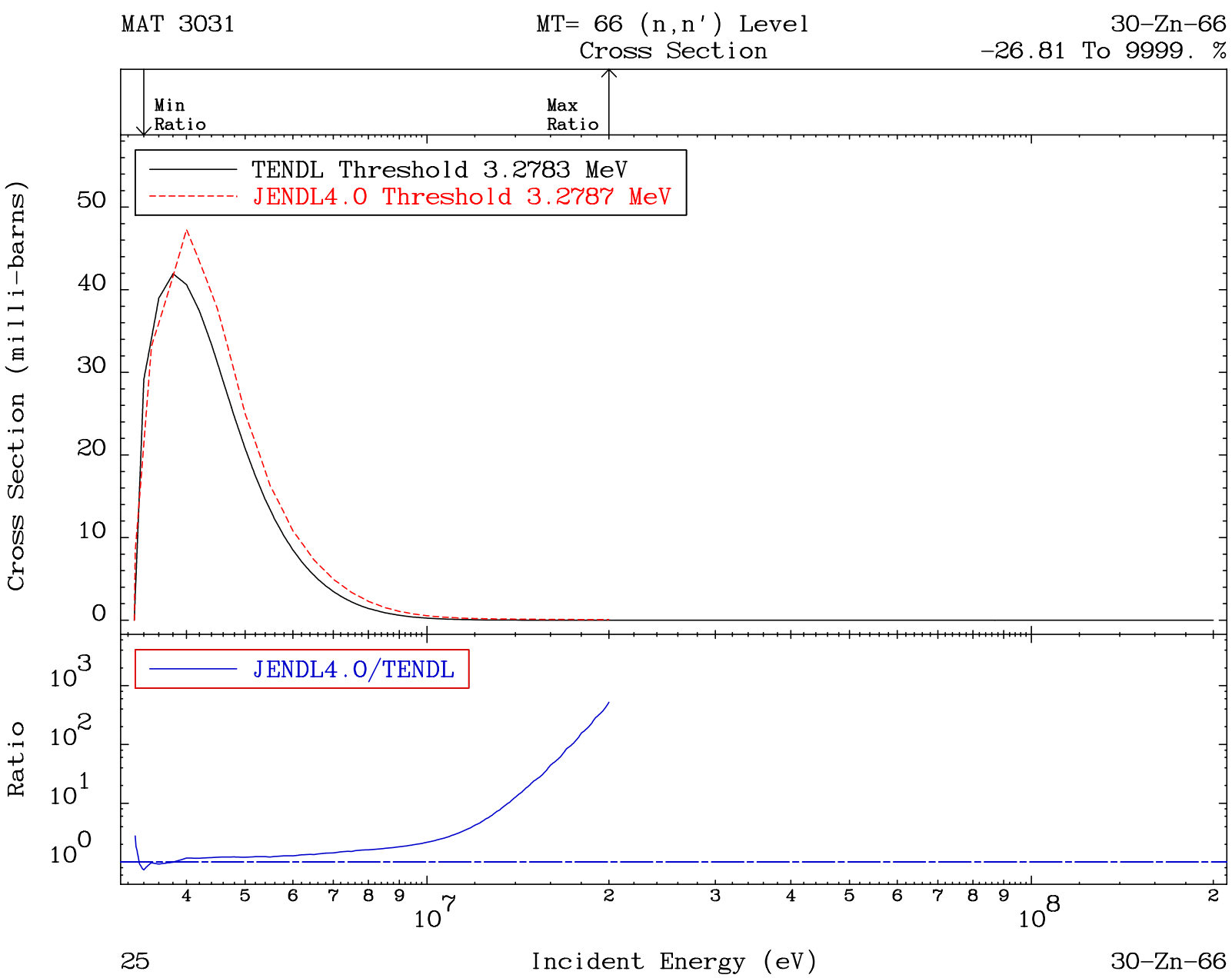

MAT 3031
MT= 61 (n,n') Level
Cross Section
30-Zn-66
-11.10 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 3.0764 MeV
JENDL4.0 Threshold 3.0764 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
JENDL4.0/TENDL
Ratio
10^4
10^2
10^0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
20
Incident Energy (eV)
30-Zn-66

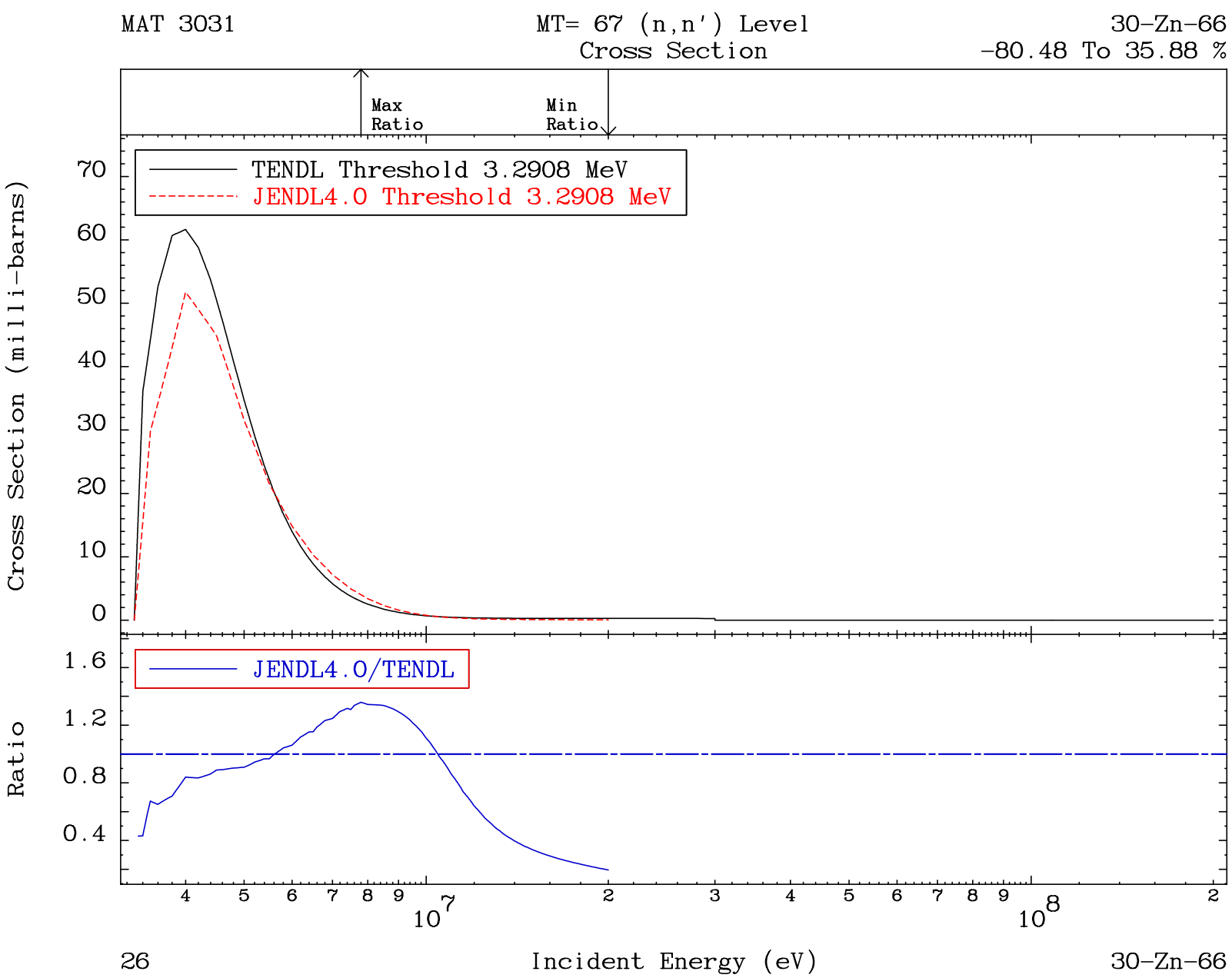

MAT 3031
MT= 62 (n,n') Level
Cross Section
30-Zn-66
-17.15 To 92.81 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.1248 MeV
JENDL4.0 Threshold 3.1248 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
2.0
1.6
1.2
0.8
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
21
Incident Energy (eV)
30-Zn-66

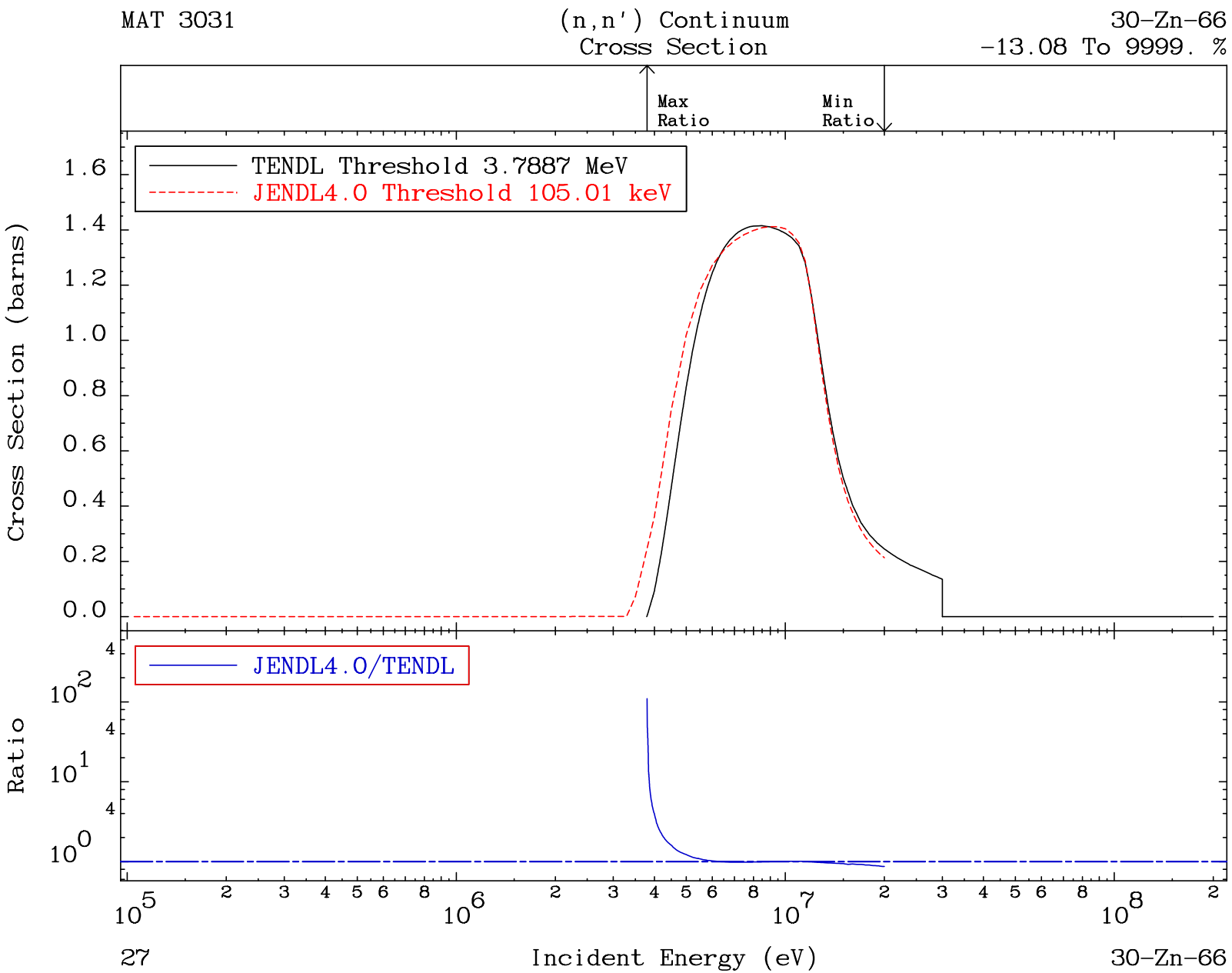

MAT 3031
MT= 63 (n,n') Level
Cross Section
30-Zn-66
-48.25 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 3.1526 MeV
JENDL4.0 Threshold 3.1529 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JENDL4.0/TENDL
Ratio
10^4
10^2
10^0
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
22
Incident Energy (eV)
30-Zn-66

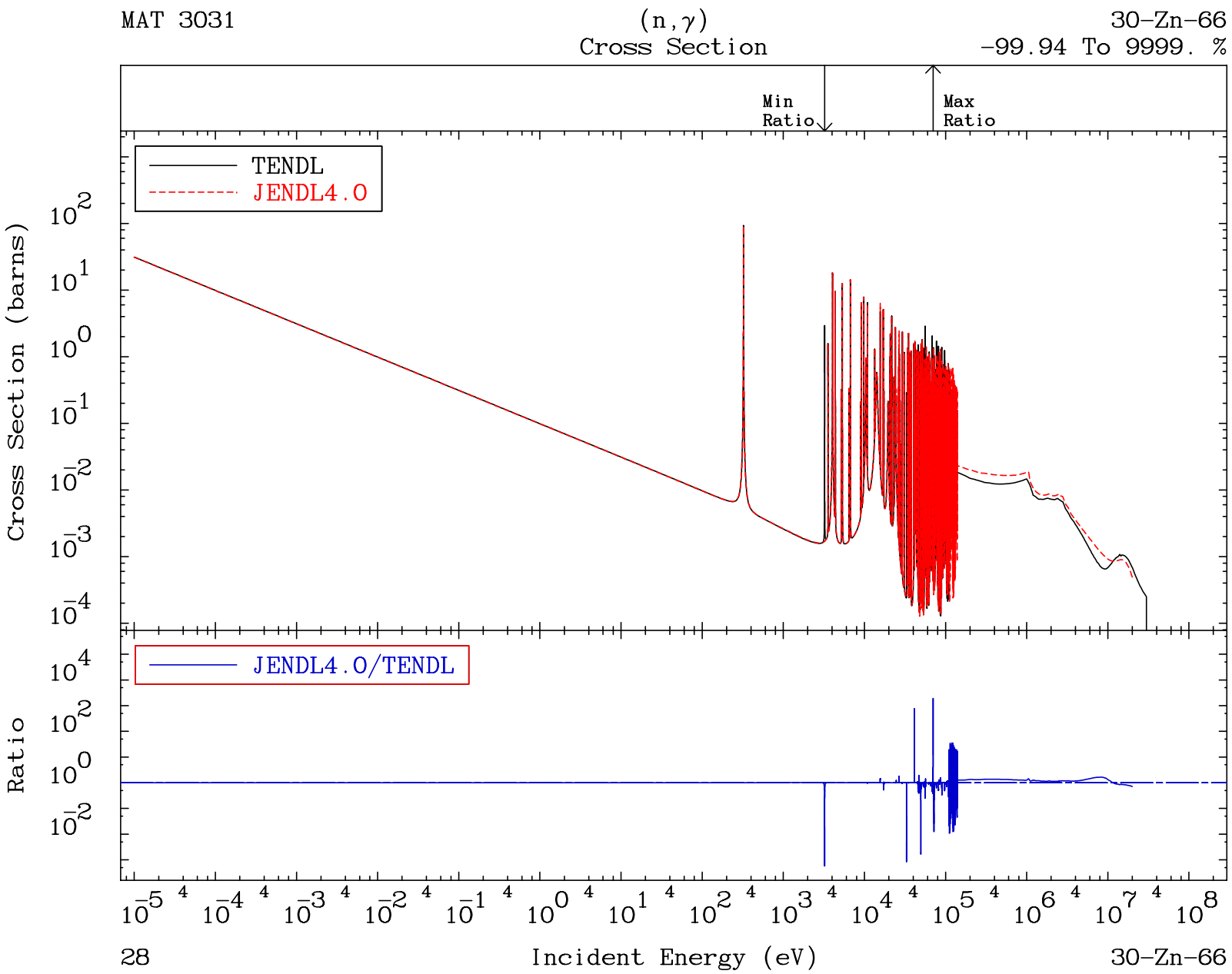

MAT 3031
MT= 64 (n,n') Level
Cross Section
30-Zn-66
-19.52 To 187.7 %
Min
Ratio
TENDL Threshold 3.2617 MeV
JENDL4.0 Threshold 3.2617 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
3.0
2.0
1.0
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
23
Incident Energy (eV)
30-Zn-66

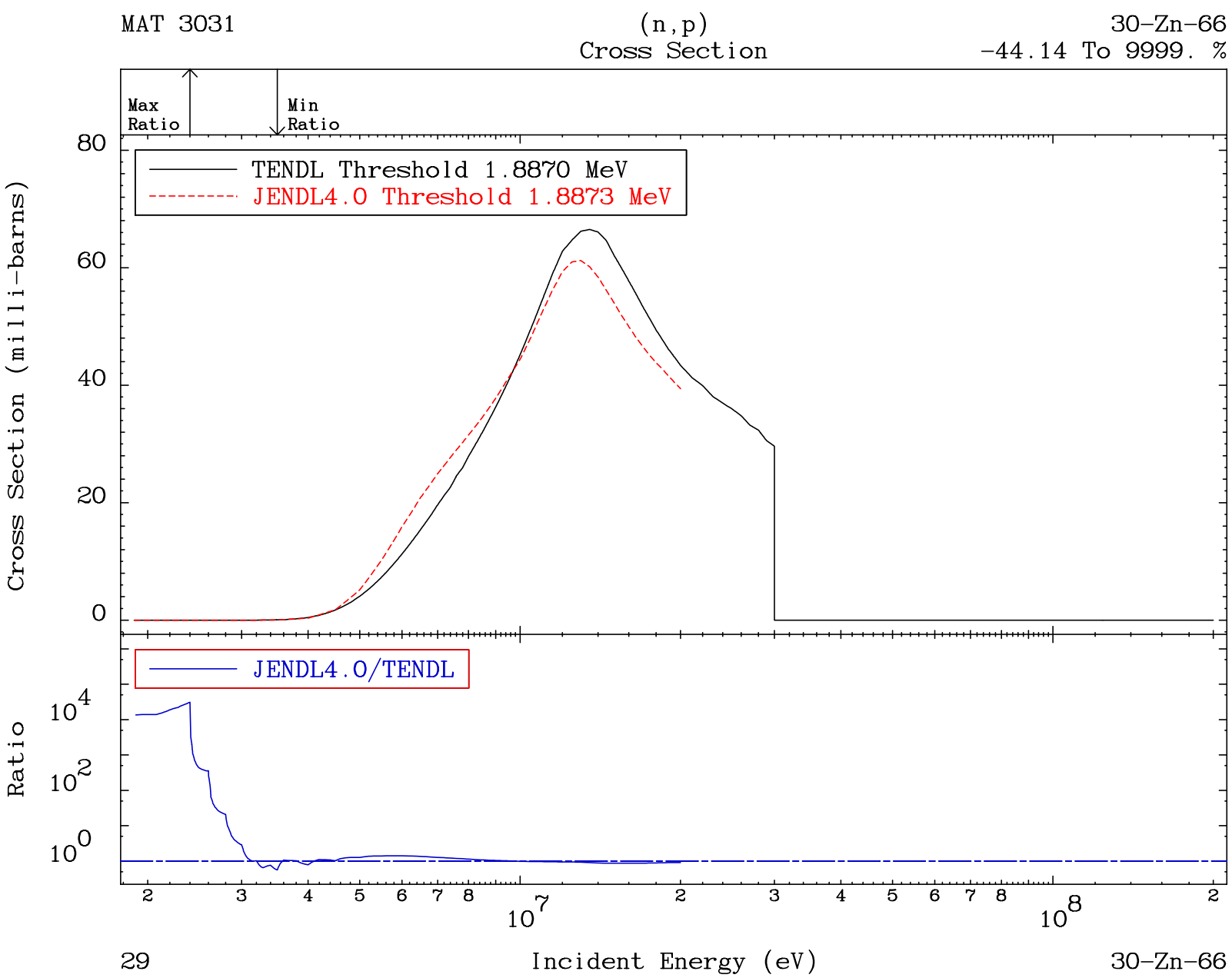

MAT 3031
MT= 65 (n,n') Level
Cross Section
30-Zn-66
-72.87 To 504.6 %
Max
Ratio
Min
Ratio
TENDL Threshold 3.2756 MeV
JENDL4.0 Threshold 3.2767 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^1
10^0
6
4
6
4
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
24
Incident Energy (eV)
30-Zn-66

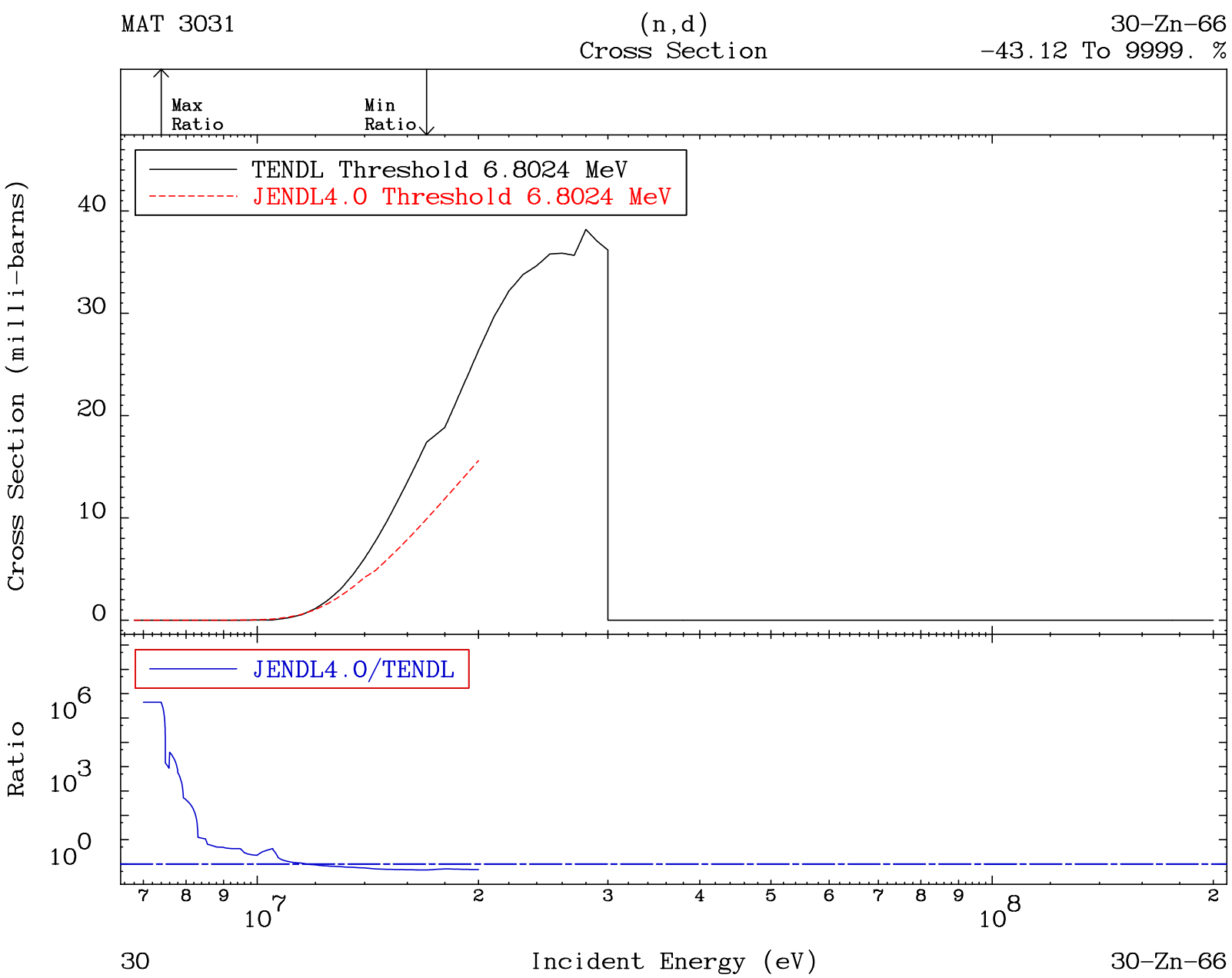

MAT 3031
MT= 66 (n,n') Level
Cross Section
30-Zn-66
-26.81 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.2783 MeV
JENDL4.0 Threshold 3.2787 MeV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
25
30-Zn-66

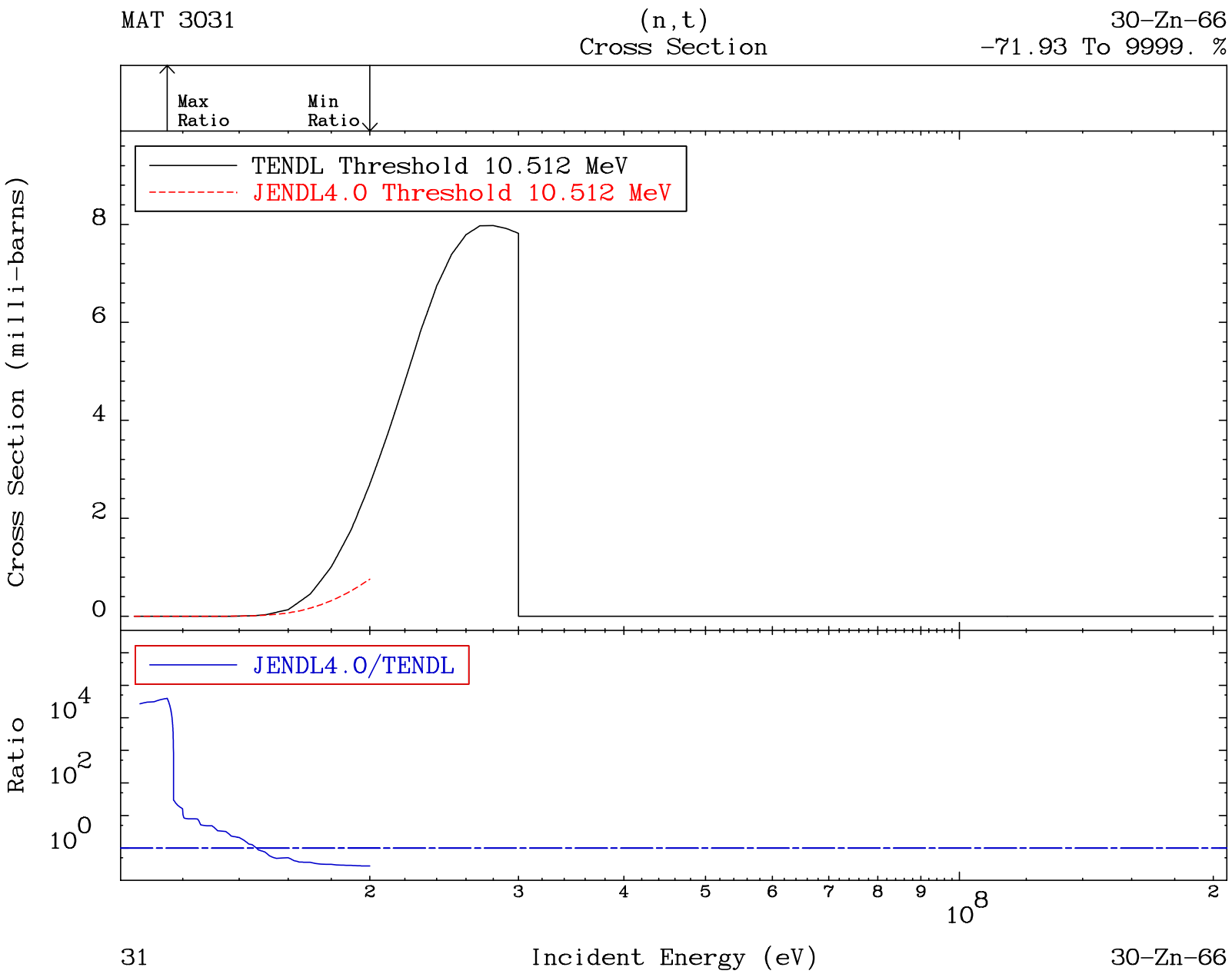

MAT 3031
MT= 67 (n,n') Level
Cross Section
30-Zn-66
-80.48 To 35.88 %
Max
Ratio
Min
Ratio
TENDL Threshold 3.2908 MeV
JENDL4.0 Threshold 3.2908 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
1.6
1.2
0.8
0.4
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
26
Incident Energy (eV)
30-Zn-66

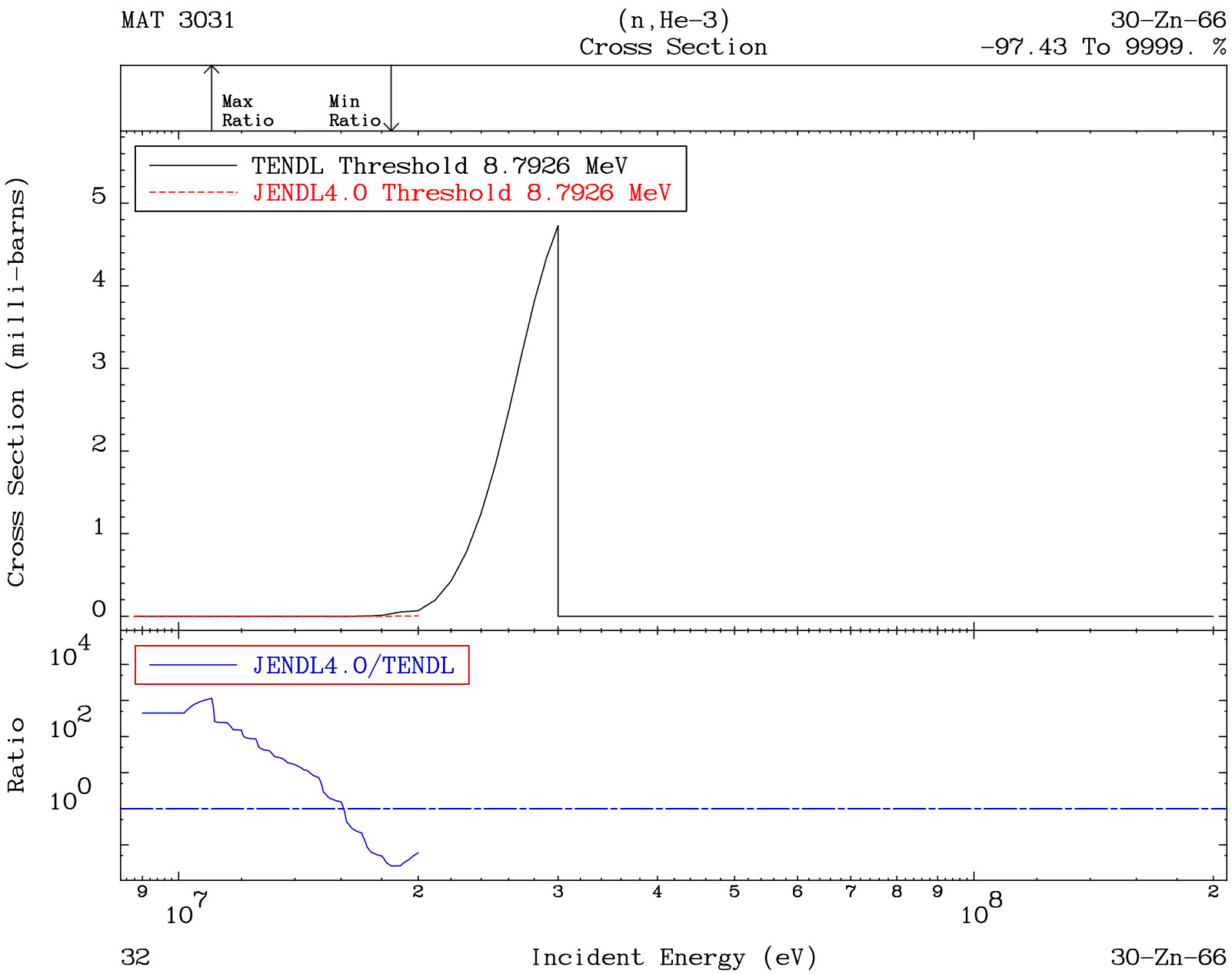

MAT 3031
(n,n') Continuum
Cross Section
30-Zn-66
-13.08 To 9999. %
Max
Ratio
Min
Ratio
TENDL Threshold 3.7887 MeV
JENDL4.0 Threshold 105.01 keV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL4.0/TENDL
Ratio
10^2
10^1
10^0
10^5
10^6
10^7
10^8
Incident Energy (eV)
27
30-Zn-66

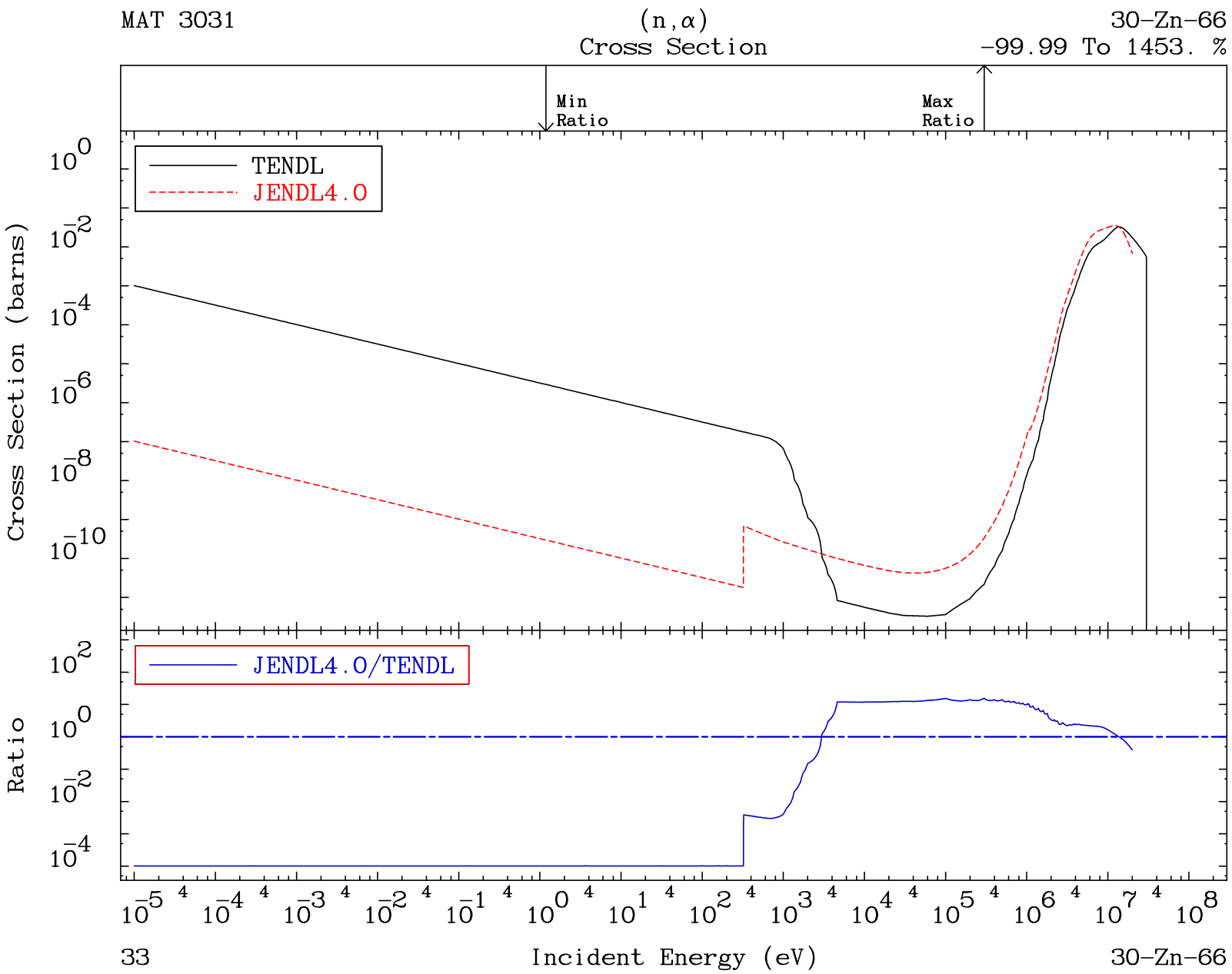

MAT 3031
(n,γ)
Cross Section
30-Zn-66
-99.94 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
28
30-Zn-66

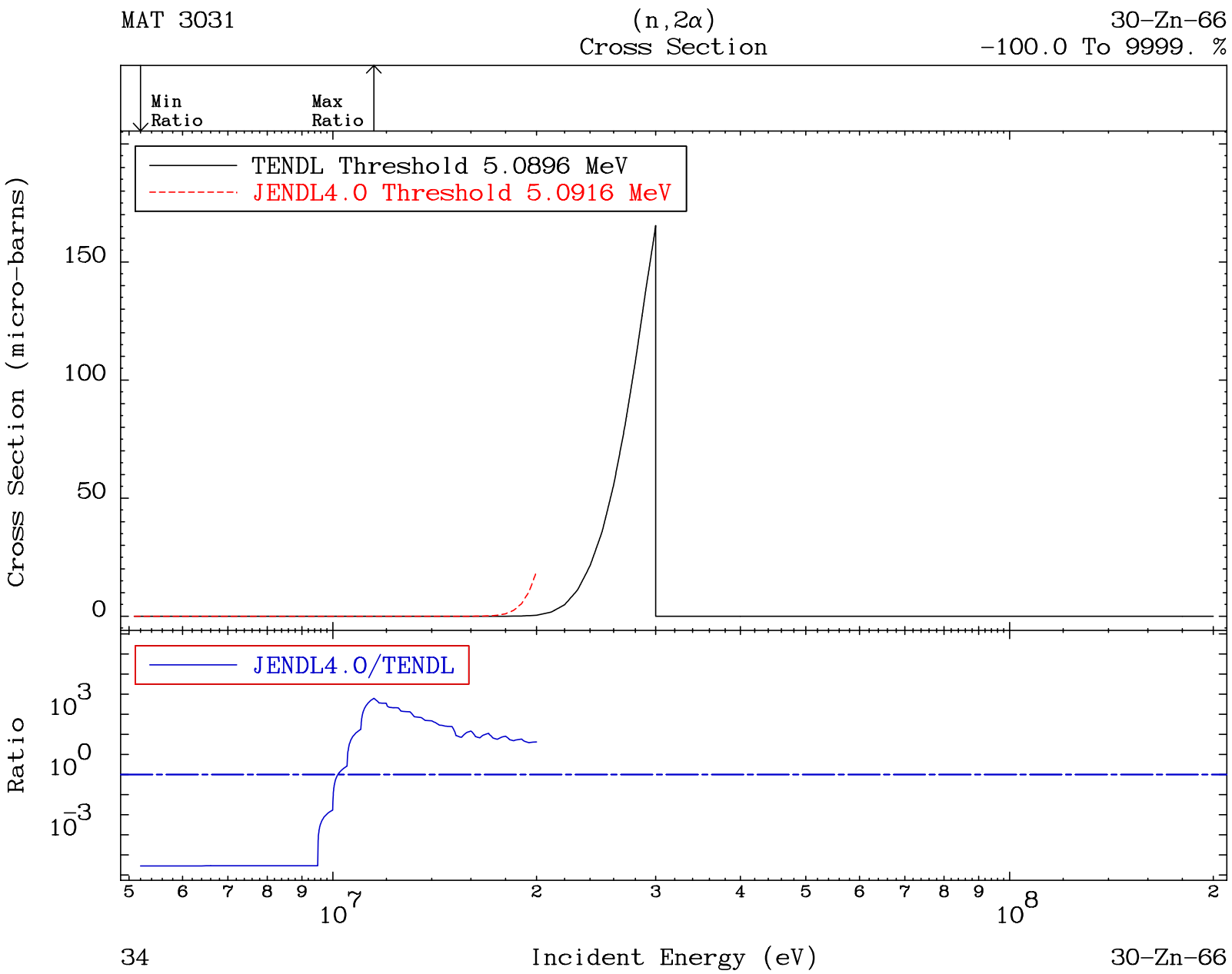

MAT 3031
(n,p)
Cross Section
30-Zn-66
-44.14 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.8870 MeV
JENDL4.0 Threshold 1.8873 MeV
Cross Section (milli-barns)
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^4
10^2
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
30-Zn-66

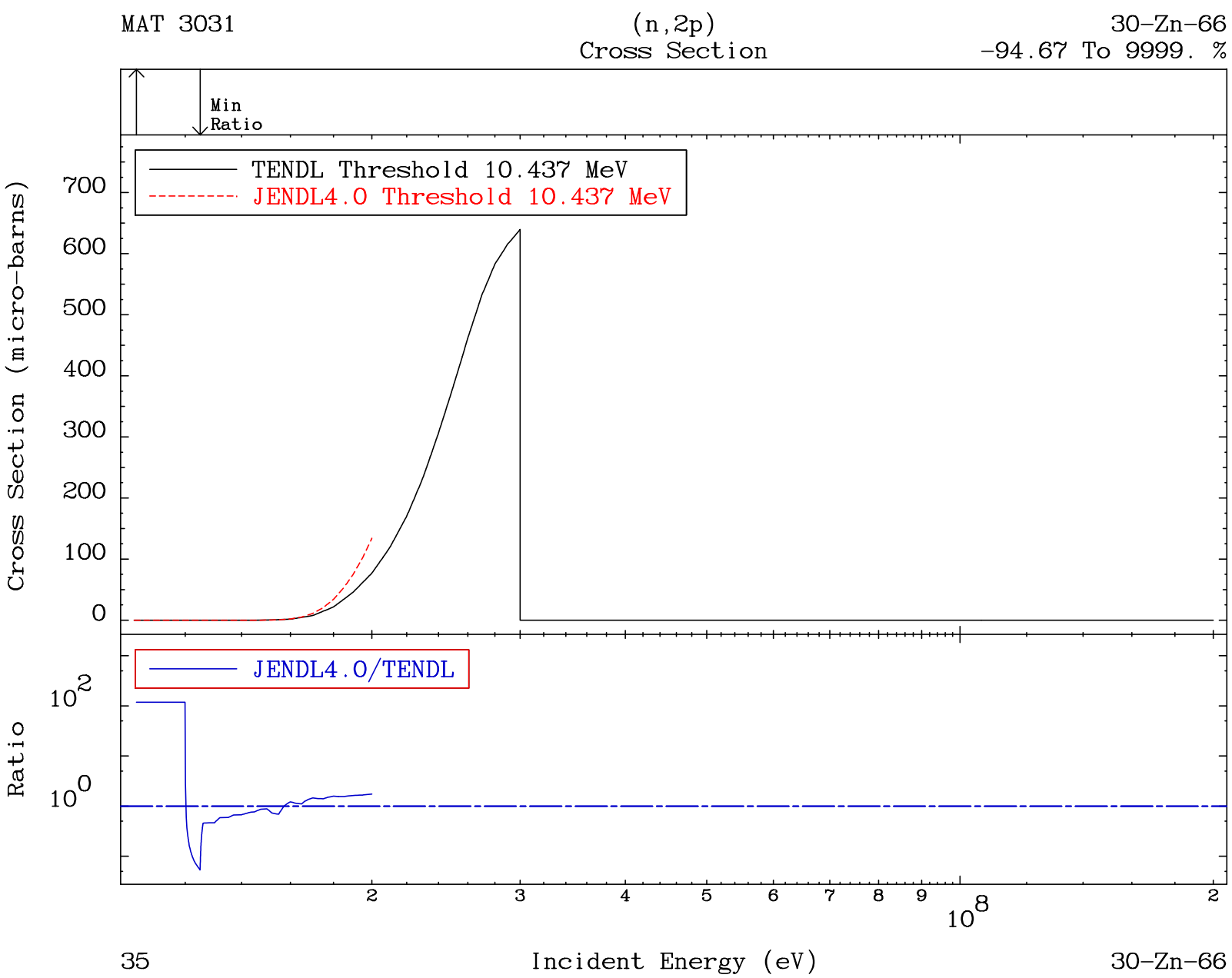

MAT 3031
(n,d)
Cross Section
30-Zn-66
-43.12 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.8024 MeV
JENDL4.0 Threshold 6.8024 MeV
Cross Section (milli-barns)
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^6
10^3
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
30
Incident Energy (eV)
30-Zn-66

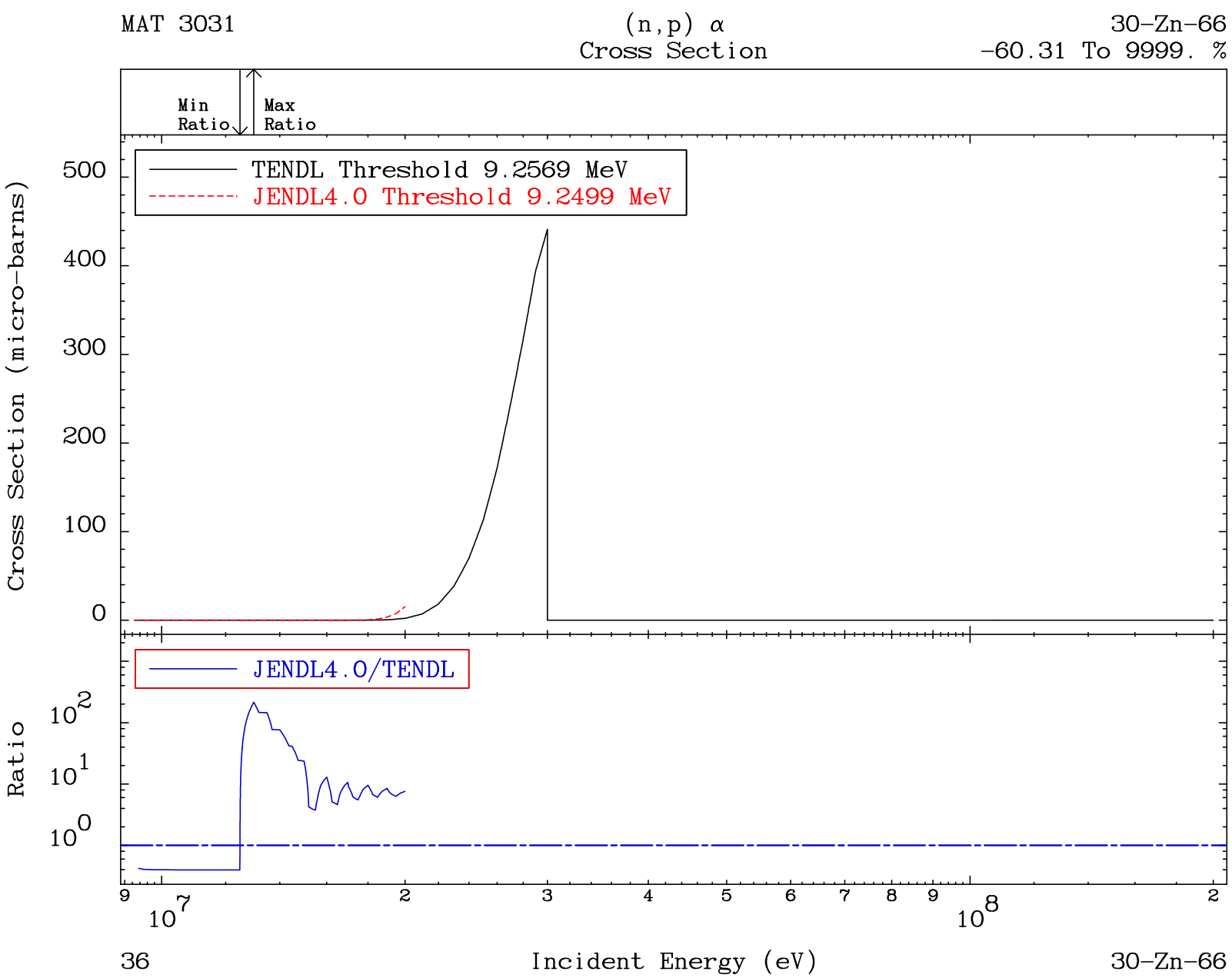

MAT 3031
(n,t)
Cross Section
30-Zn-66
-71.93 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 10.512 MeV
JENDL4.0 Threshold 10.512 MeV
Cross Section (milli-barns)
0
2
4
6
8
JENDL4.0/TENDL
Ratio
10^4
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
31
Incident Energy (eV)
30-Zn-66

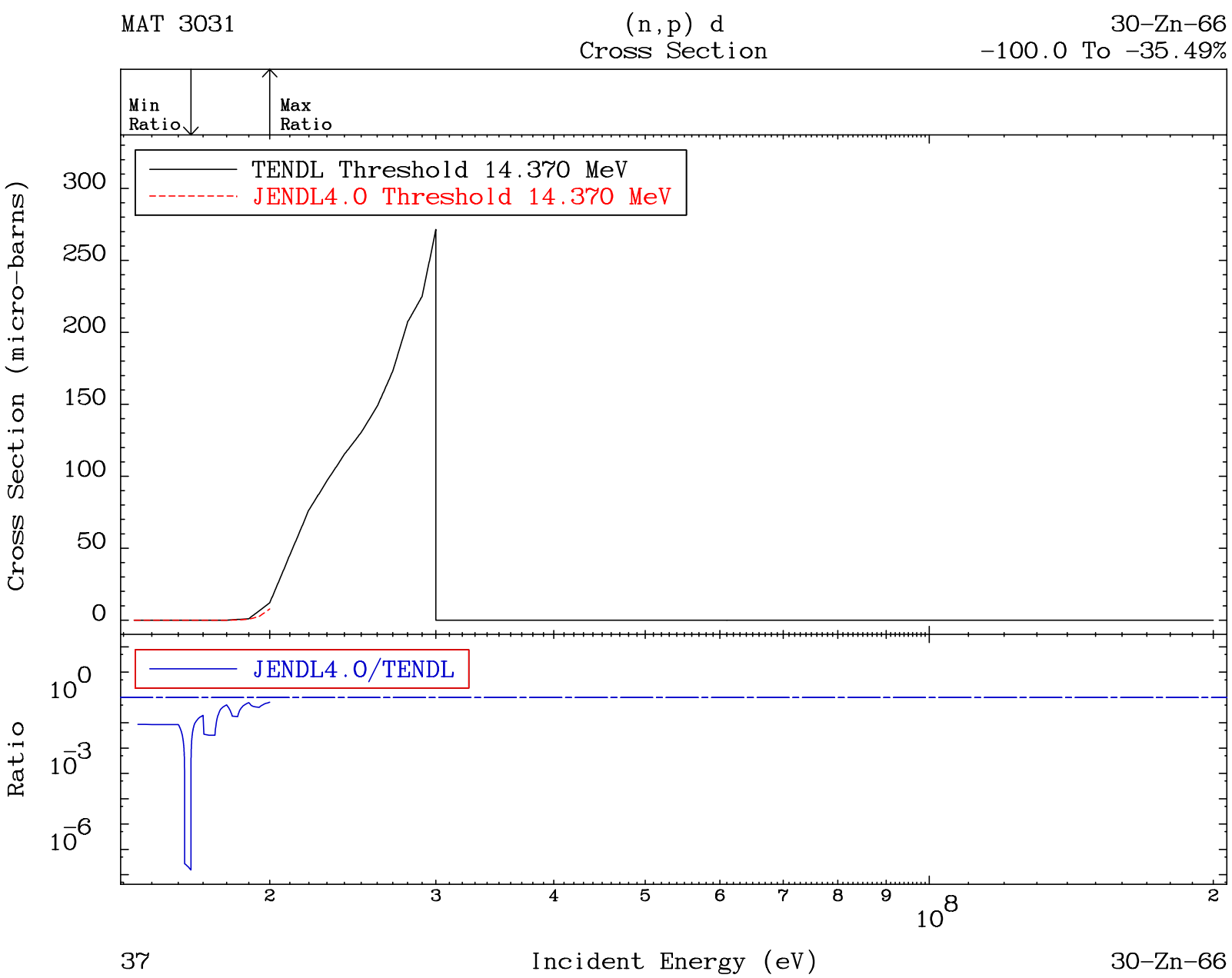

MAT 3031
(n,He-3)
Cross Section
30-Zn-66
-97.43 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 8.7926 MeV
JENDL4.0 Threshold 8.7926 MeV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
32
30-Zn-66

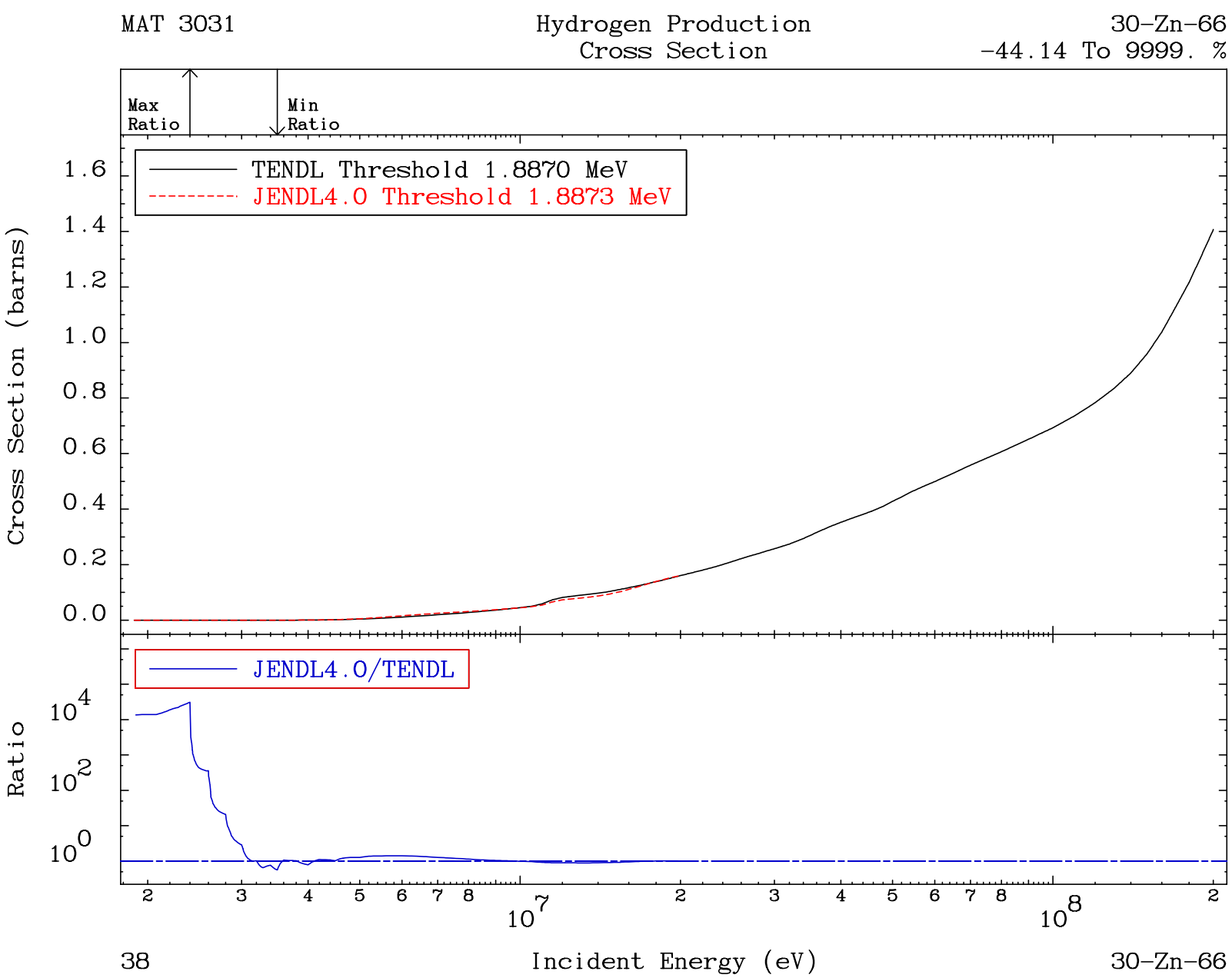

MAT 3031
(n,α)
Cross Section
30-Zn-66
-99.99 To 1453. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
33
30-Zn-66

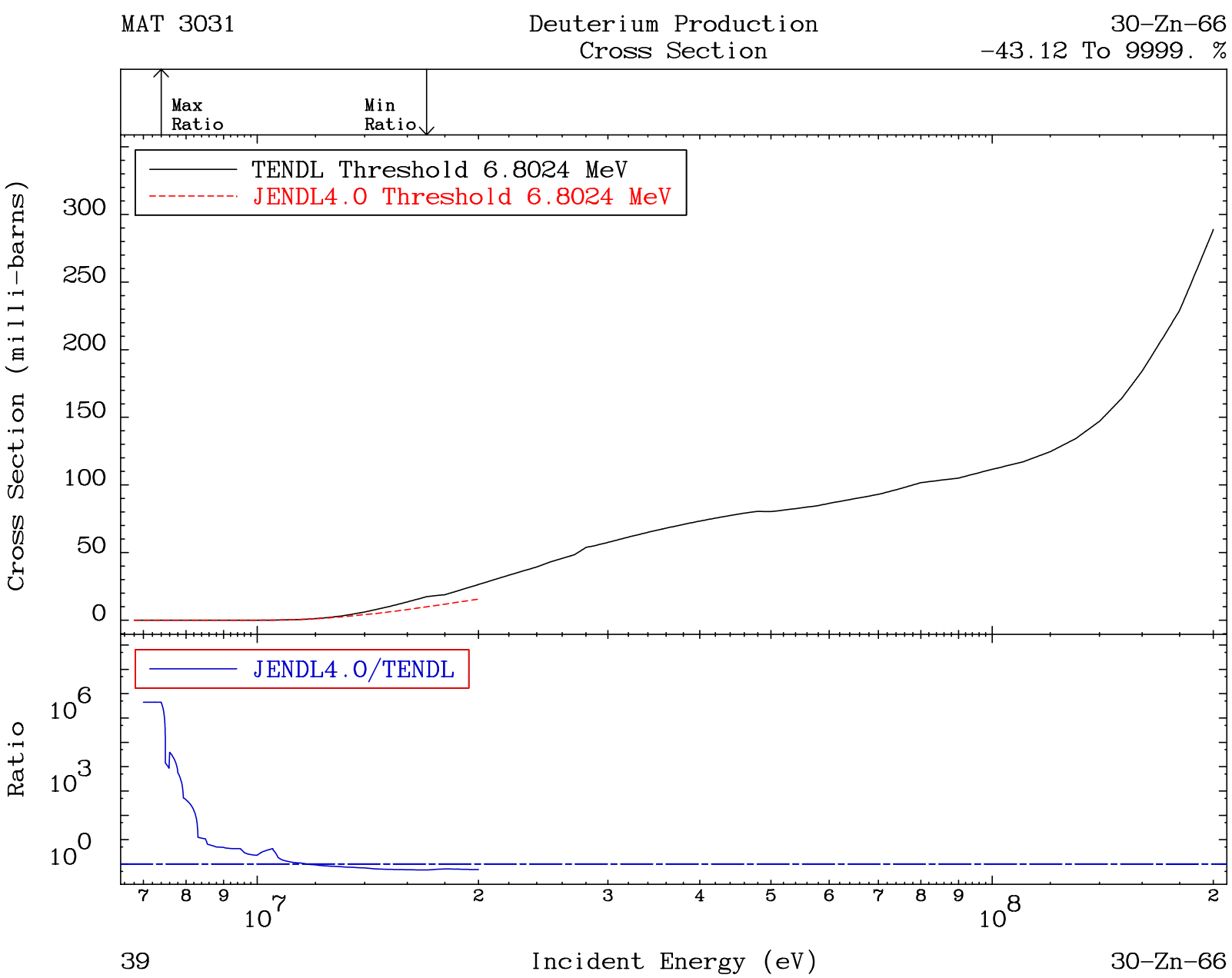

MAT 3031
(n,2α)
Cross Section
30-Zn-66
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.0896 MeV
JENDL4.0 Threshold 5.0916 MeV
Cross Section (micro-barns)
150
100
50
0
JENDL4.0/TENDL
Ratio
10^3
10^0
10^-3
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
34
Incident Energy (eV)
30-Zn-66

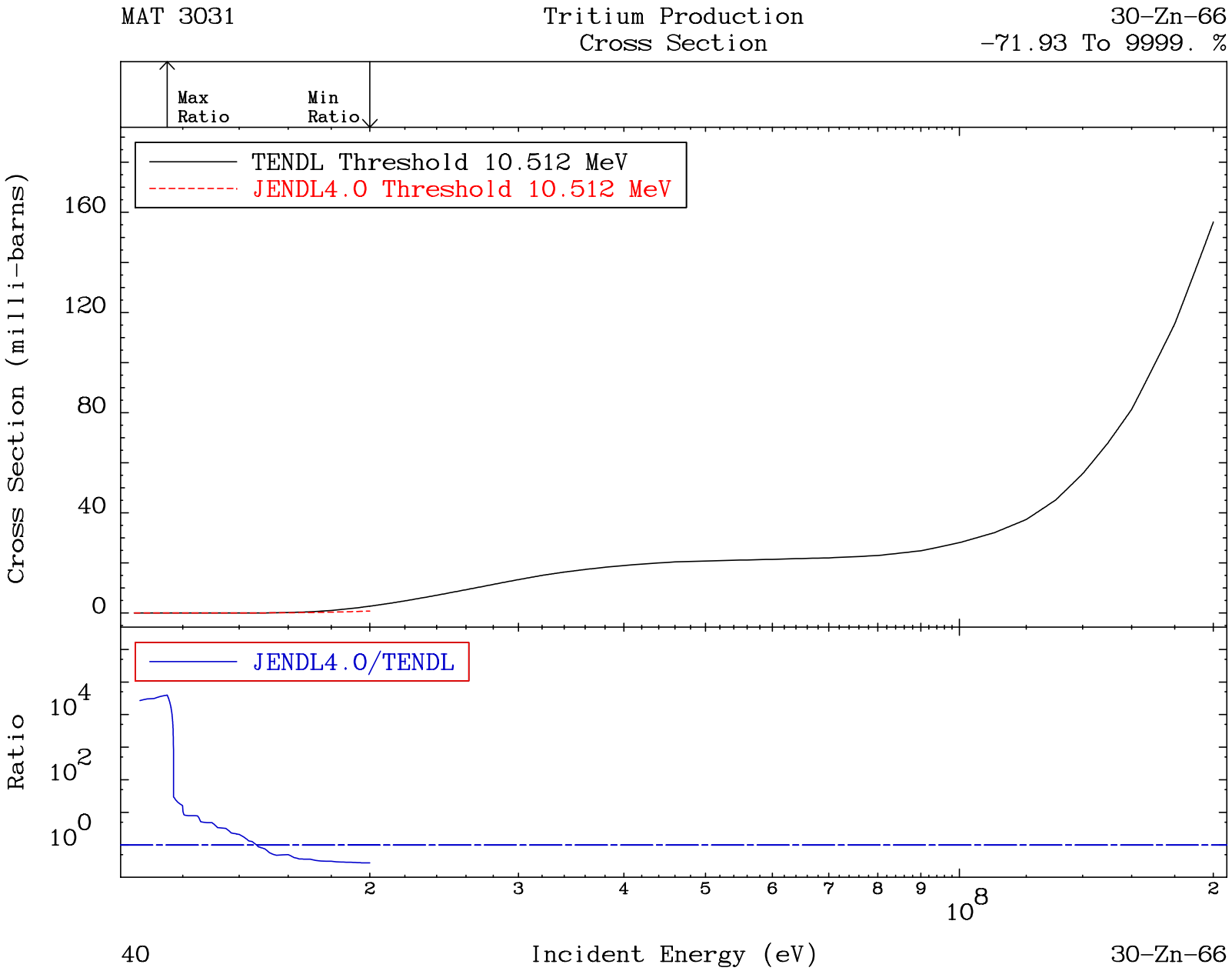

MAT 3031
(n,2p)
Cross Section
30-Zn-66
-94.67 To 9999. %
Min
Ratio
TENDL Threshold 10.437 MeV
JENDL4.0 Threshold 10.437 MeV
Cross Section (micro-barns)
700
600
500
400
300
200
100
0
JENDL4.0/TENDL
Ratio
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
35
Incident Energy (eV)
30-Zn-66

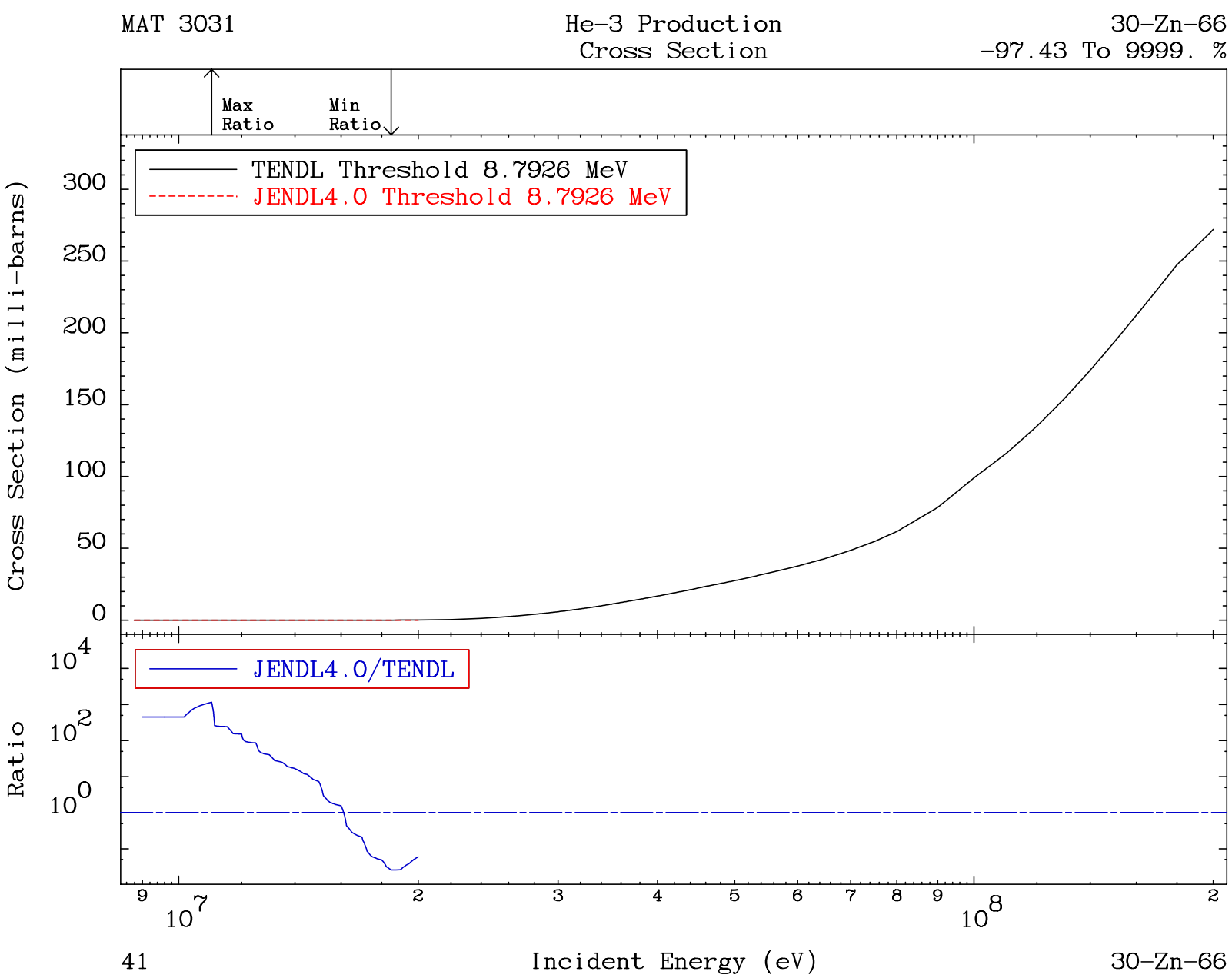

MAT 3031
(n,p) α
Cross Section
30-Zn-66
-60.31 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 9.2569 MeV
JENDL4.0 Threshold 9.2499 MeV
Cross Section (micro-barns)
500
400
300
200
100
0
JENDL4.0/TENDL
Ratio
10^2
10^1
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
36
Incident Energy (eV)
30-Zn-66

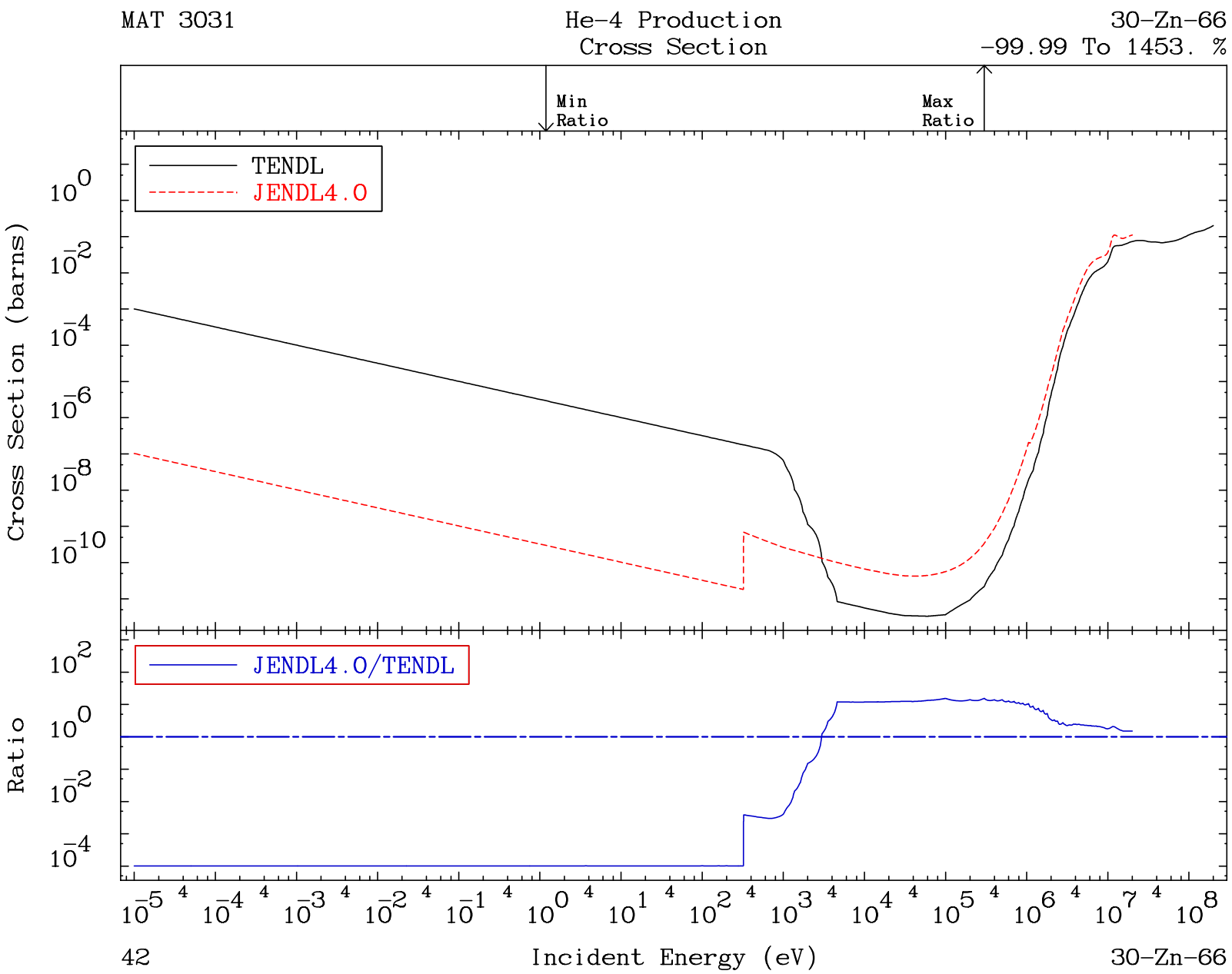

MAT 3031
(n,p) d
Cross Section
30-Zn-66
-100.0 To -35.49%
Min Ratio
Max Ratio
TENDL Threshold 14.370 MeV
JENDL4.0 Threshold 14.370 MeV
Cross Section (micro-barns)
300
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
9
10^8
2
37
Incident Energy (eV)
30-Zn-66

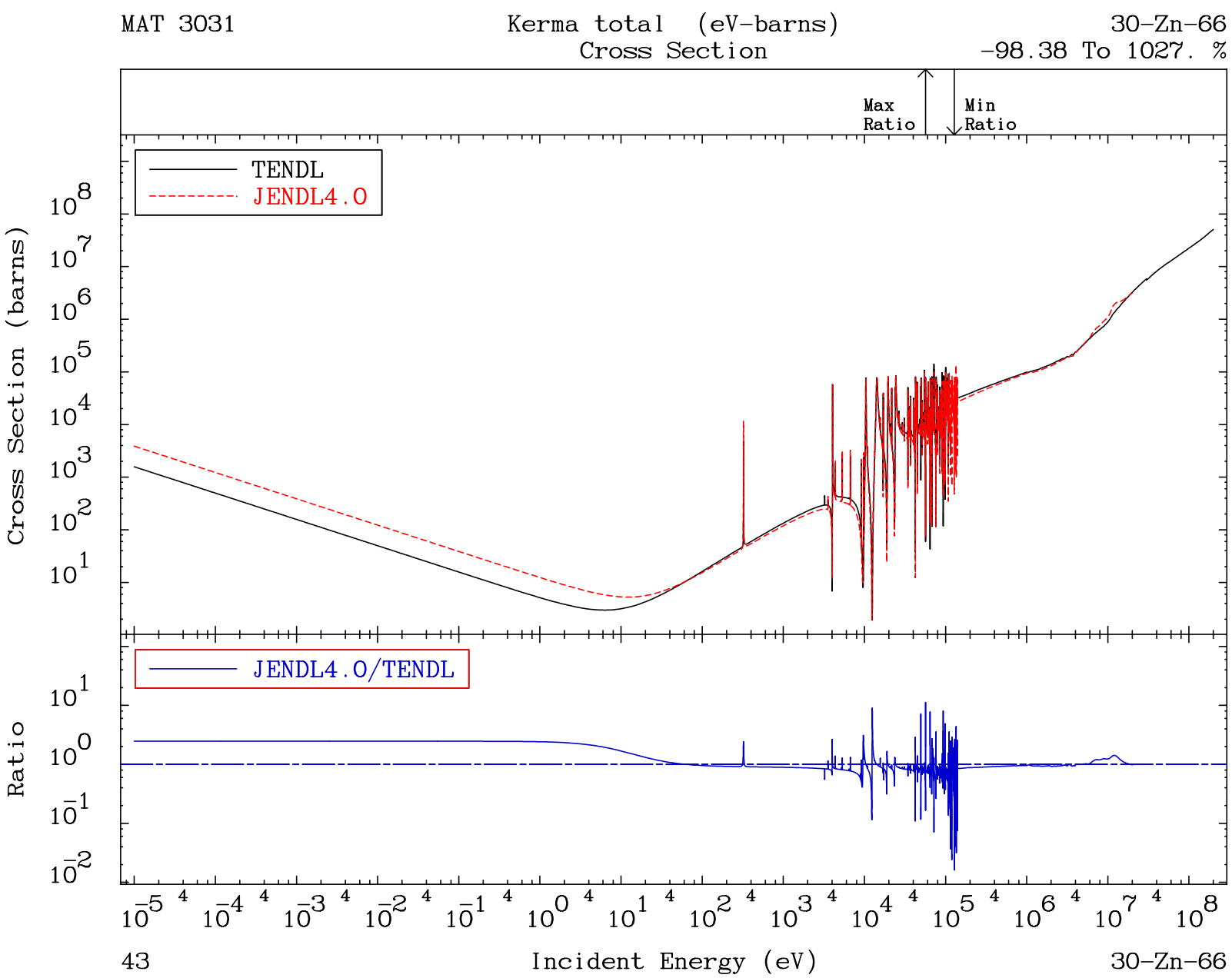

MAT 3031
Hydrogen Production
Cross Section
30-Zn-66
-44.14 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.8870 MeV
JENDL4.0 Threshold 1.8873 MeV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL4.0/TENDL
Ratio
10^4
10^2
10^0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
38
Incident Energy (eV)
30-Zn-66

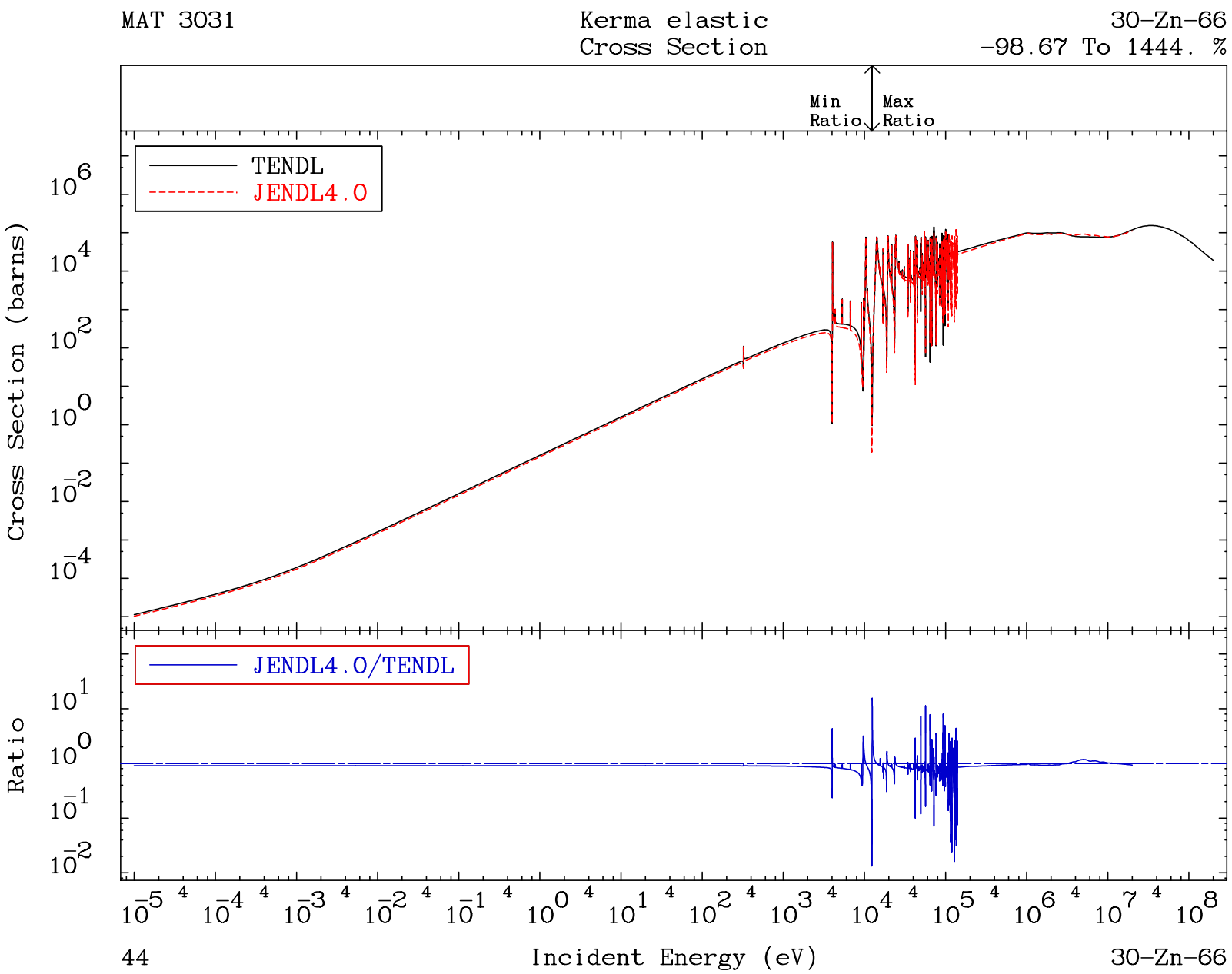

MAT 3031
Deuterium Production
Cross Section
30-Zn-66
-43.12 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.8024 MeV
JENDL4.0 Threshold 6.8024 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^6
10^3
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
39
Incident Energy (eV)
30-Zn-66

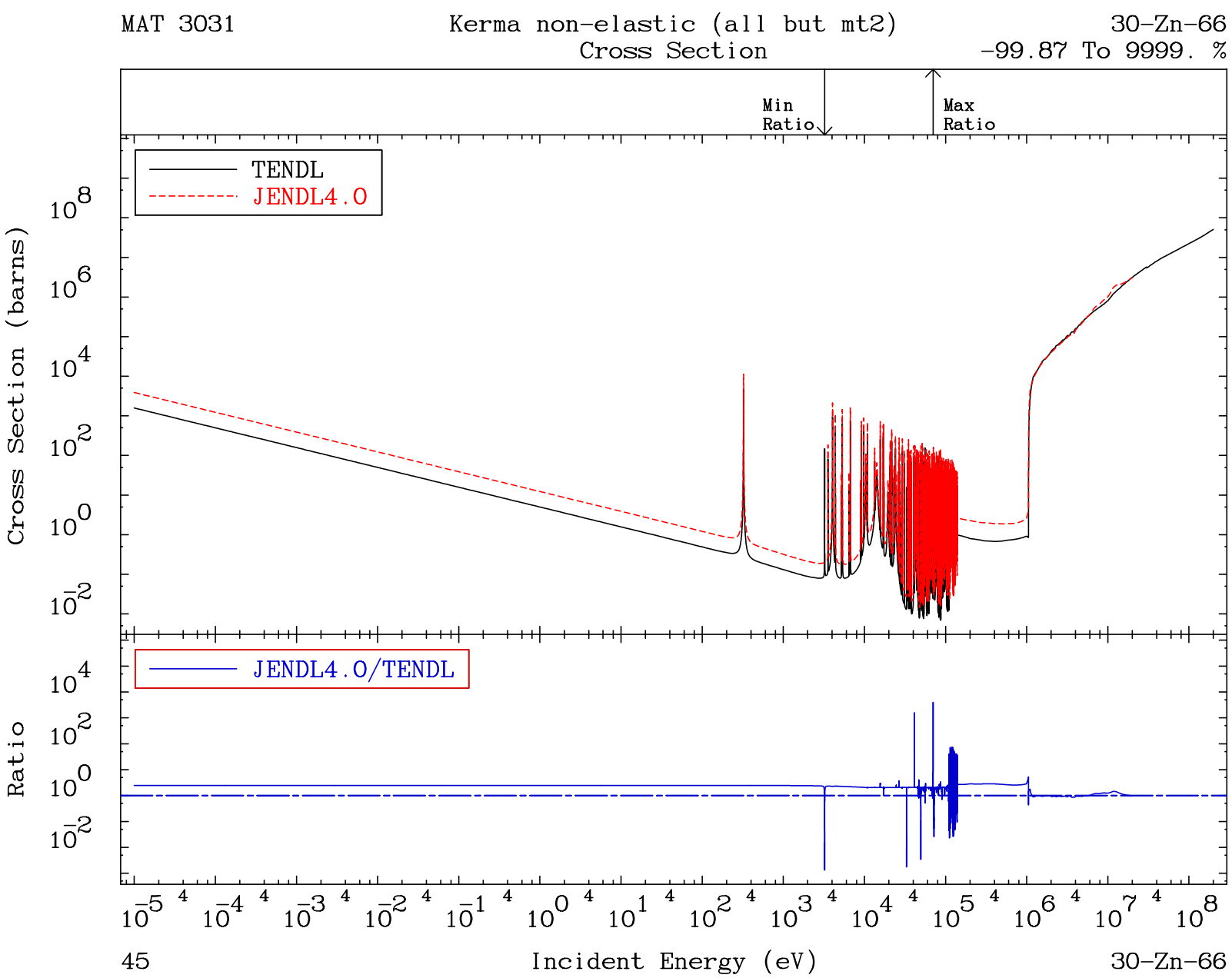

MAT 3031
Tritium Production
Cross Section
30-Zn-66
-71.93 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 10.512 MeV
JENDL4.0 Threshold 10.512 MeV
Cross Section (milli-barns)
160
120
80
40
0
JENDL4.0/TENDL
Ratio
10^4
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
40
Incident Energy (eV)
30-Zn-66

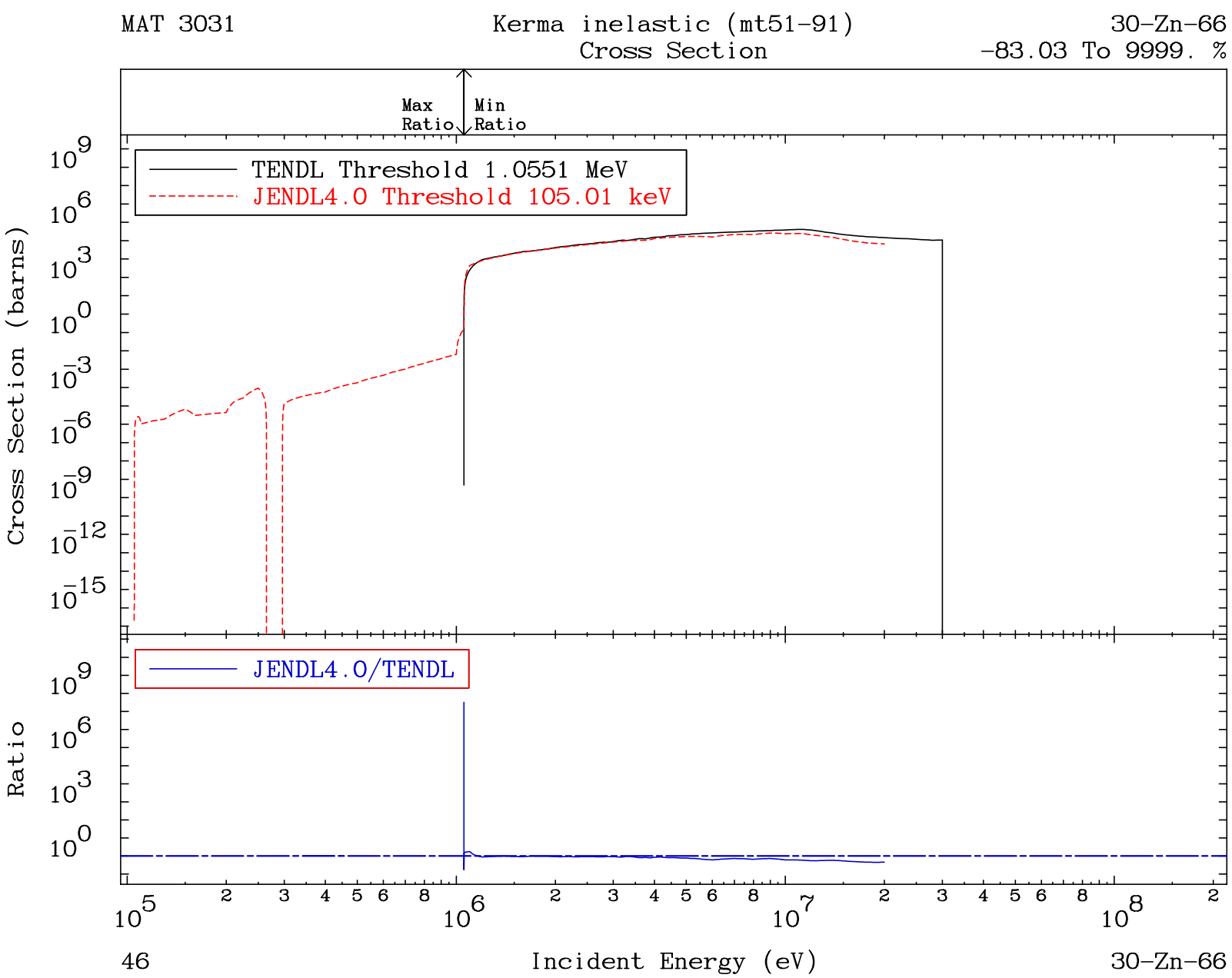

MAT 3031
He-3 Production
Cross Section
30-Zn-66
-97.43 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 8.7926 MeV
JENDL4.0 Threshold 8.7926 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^4
10^2
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
41
Incident Energy (eV)
30-Zn-66

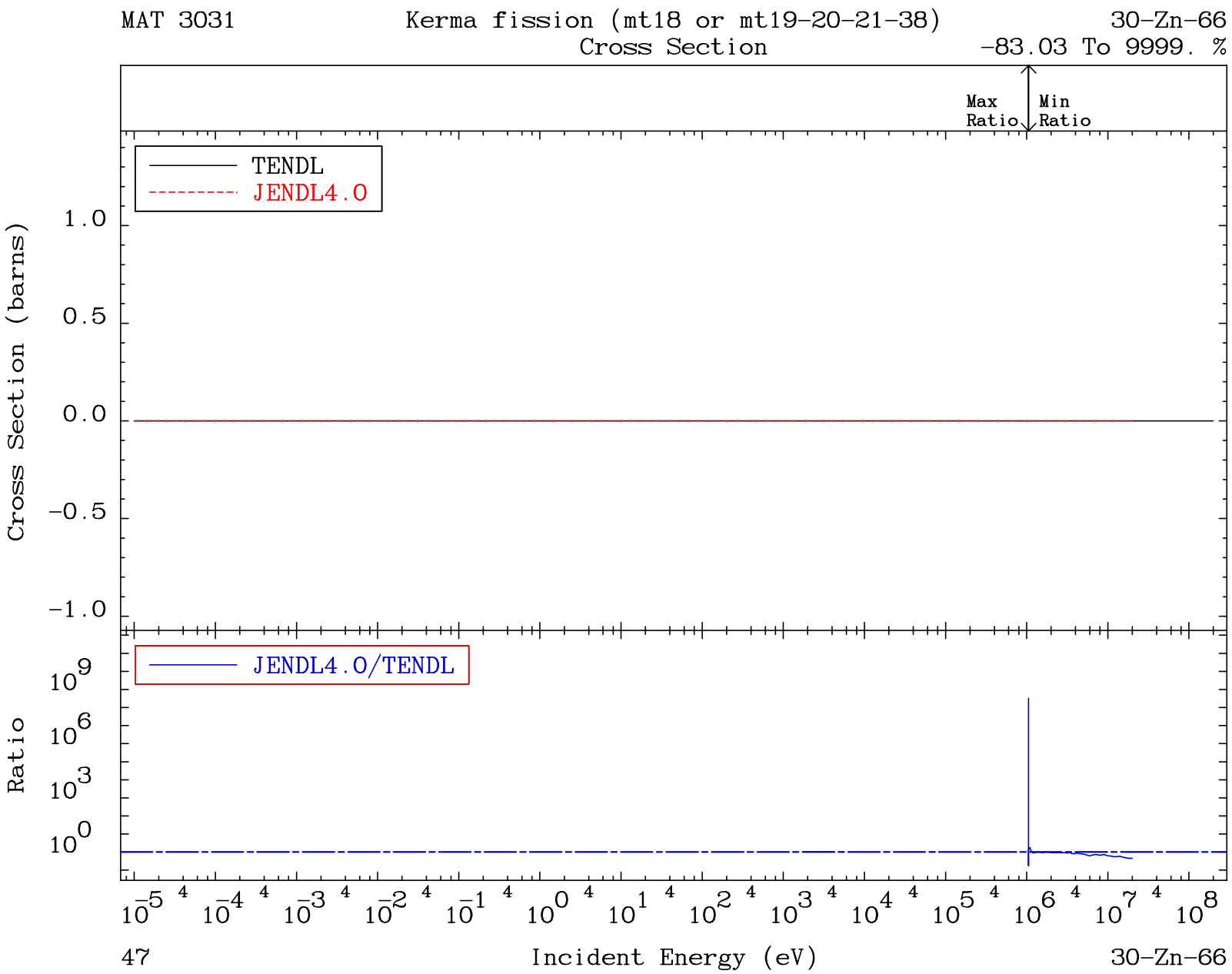

MAT 3031
He-4 Production
Cross Section
30-Zn-66
-99.99 To 1453. %
Min
Ratio
Max
Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
42
30-Zn-66

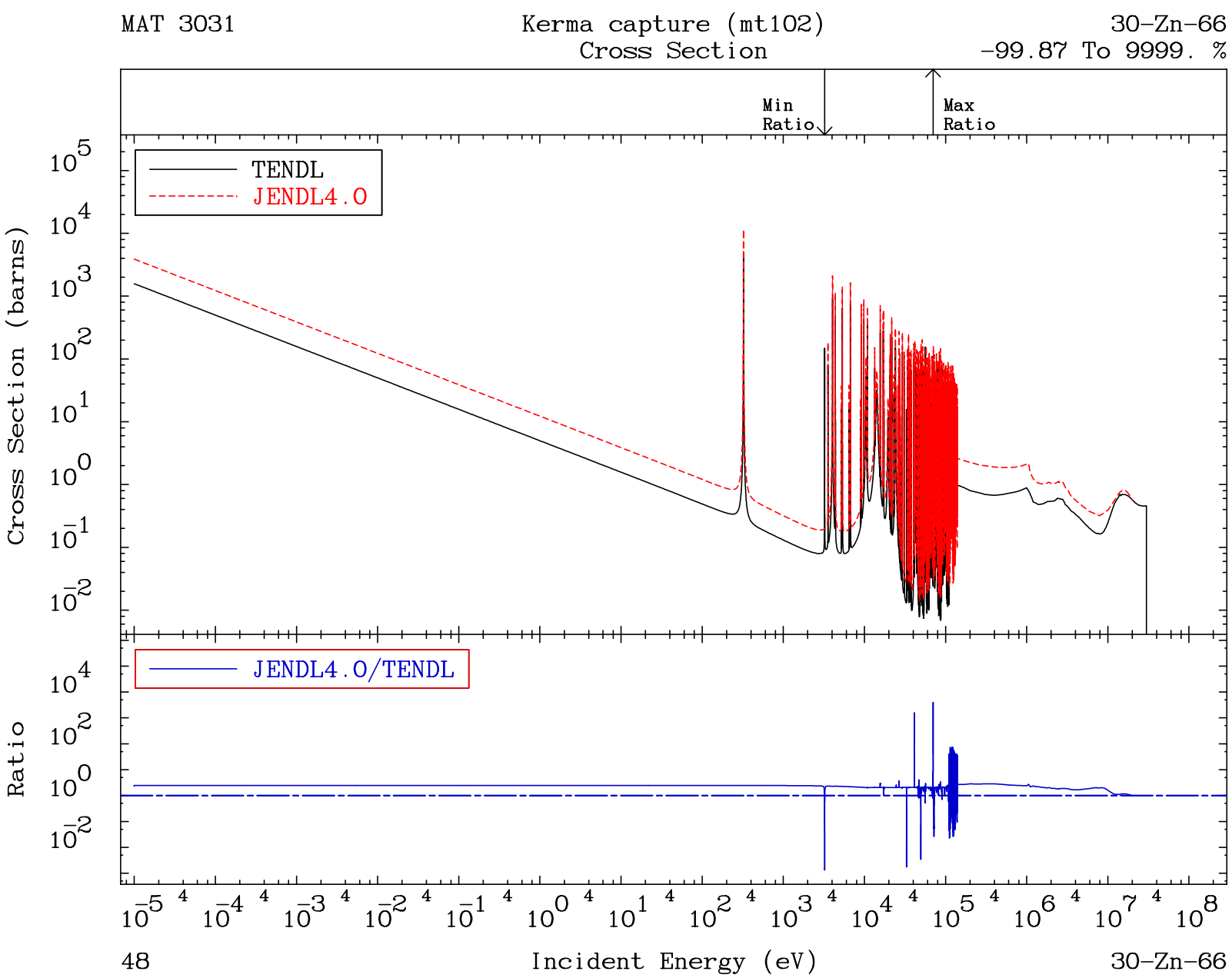

MAT 3031
Kerma total (eV-barns)
Cross Section
30-Zn-66
-98.38 To 1027. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
43
30-Zn-66

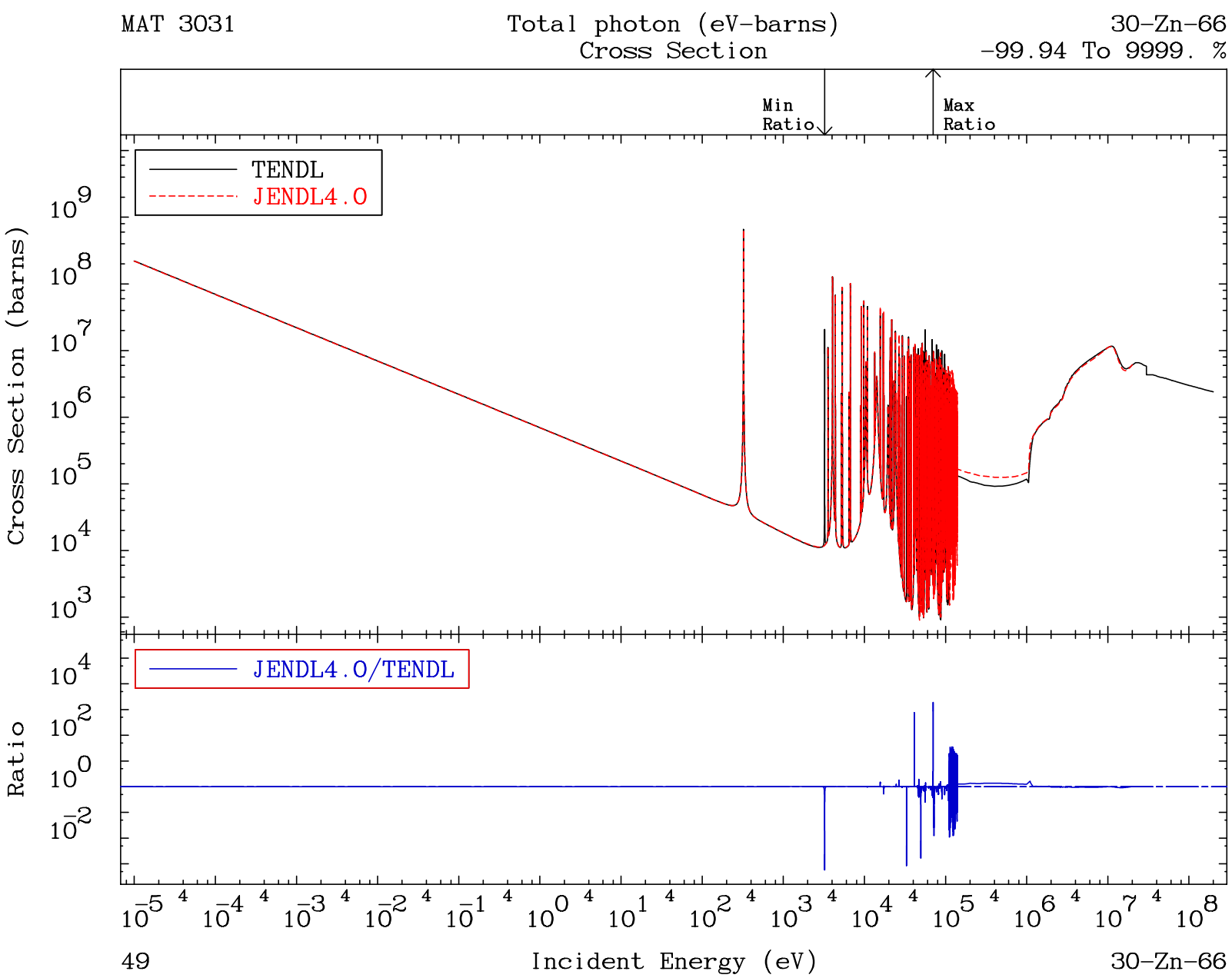

MAT 3031
Kerma elastic
Cross Section
30-Zn-66
-98.67 To 1444. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
44
30-Zn-66

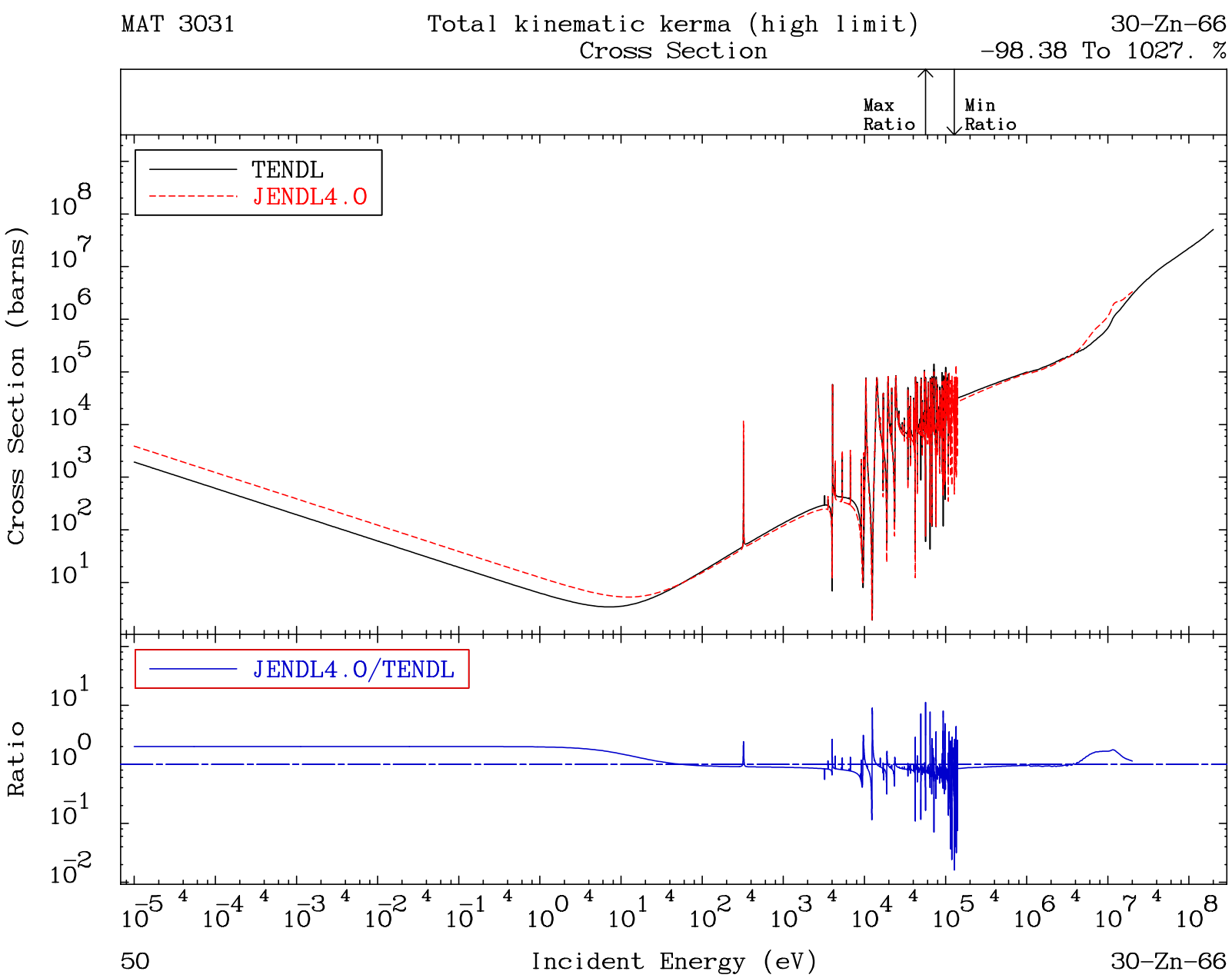

MAT 3031
Kerma non-elastic (all but mt2)
Cross Section
30-Zn-66
-99.87 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
45
30-Zn-66

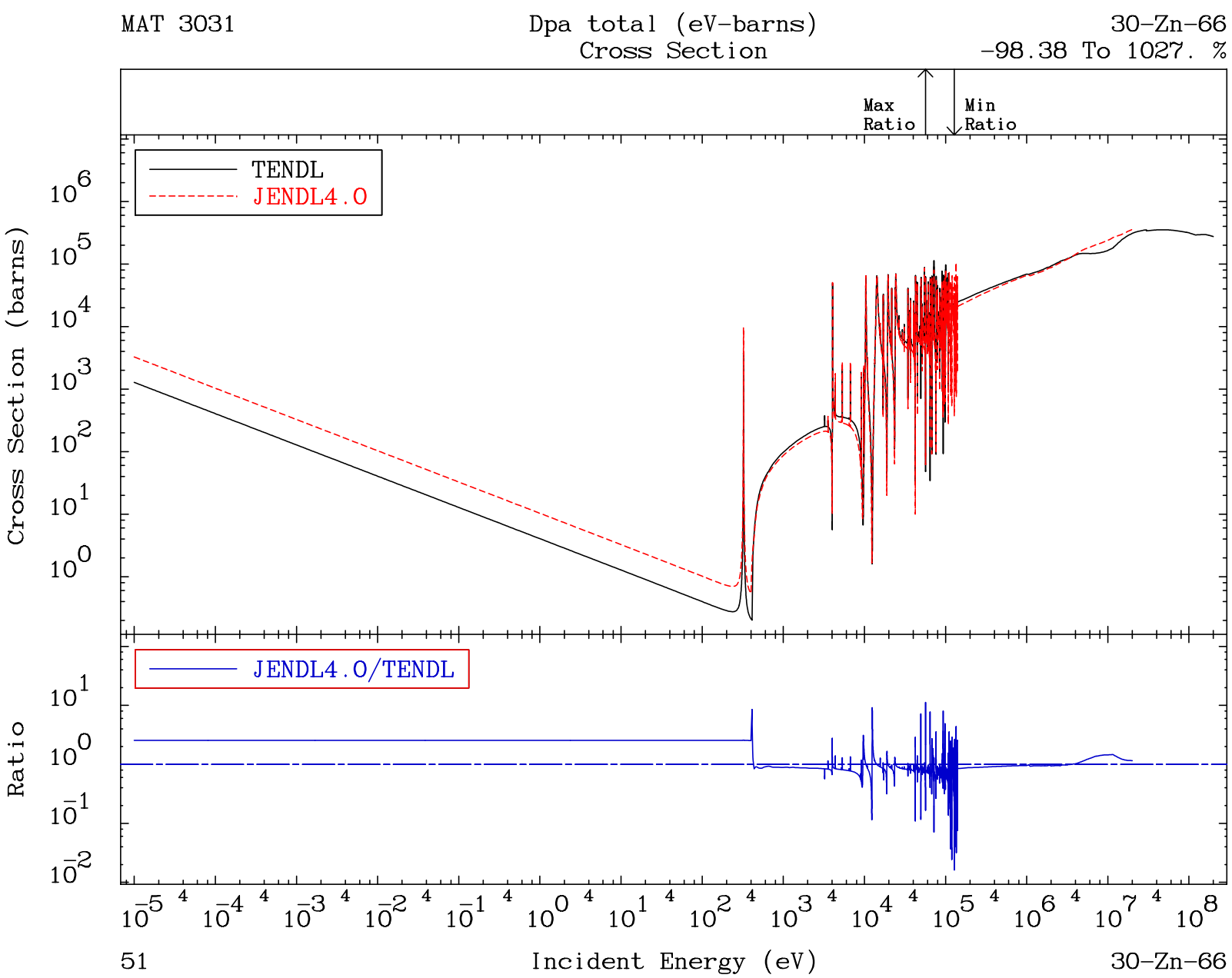

MAT 3031
Kerma inelastic (mt51-91)
Cross Section
30-Zn-66
-83.03 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.0551 MeV
JENDL4.0 Threshold 105.01 keV
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
46
30-Zn-66

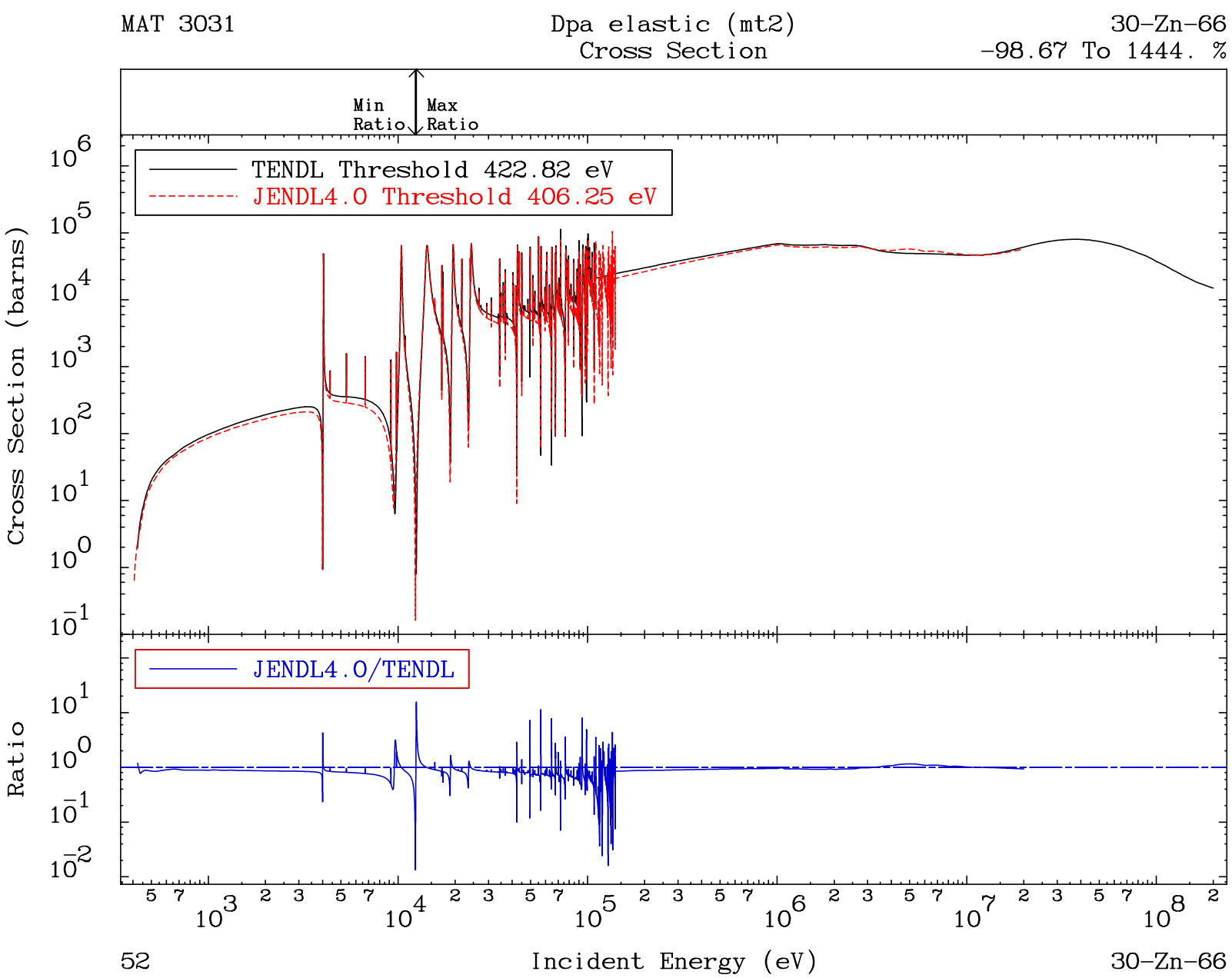

MAT 3031
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
30-Zn-66
-83.03 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
JENDL4.0/TENDL
Ratio
10^9
10^6
10^3
10^0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
47
Incident Energy (eV)
30-Zn-66

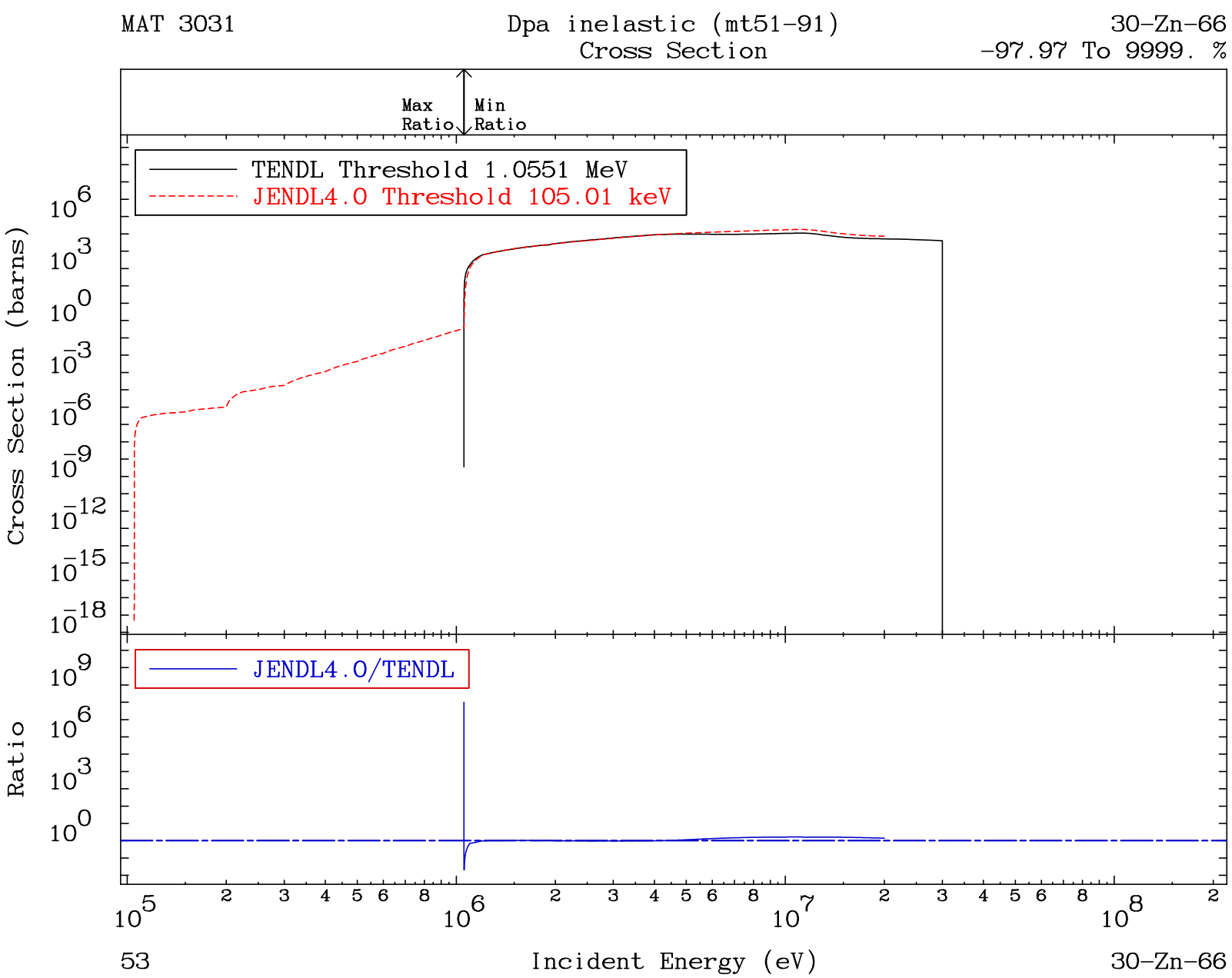

MAT 3031
Kerma capture (mt102)
Cross Section
30-Zn-66
-99.87 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
48
30-Zn-66

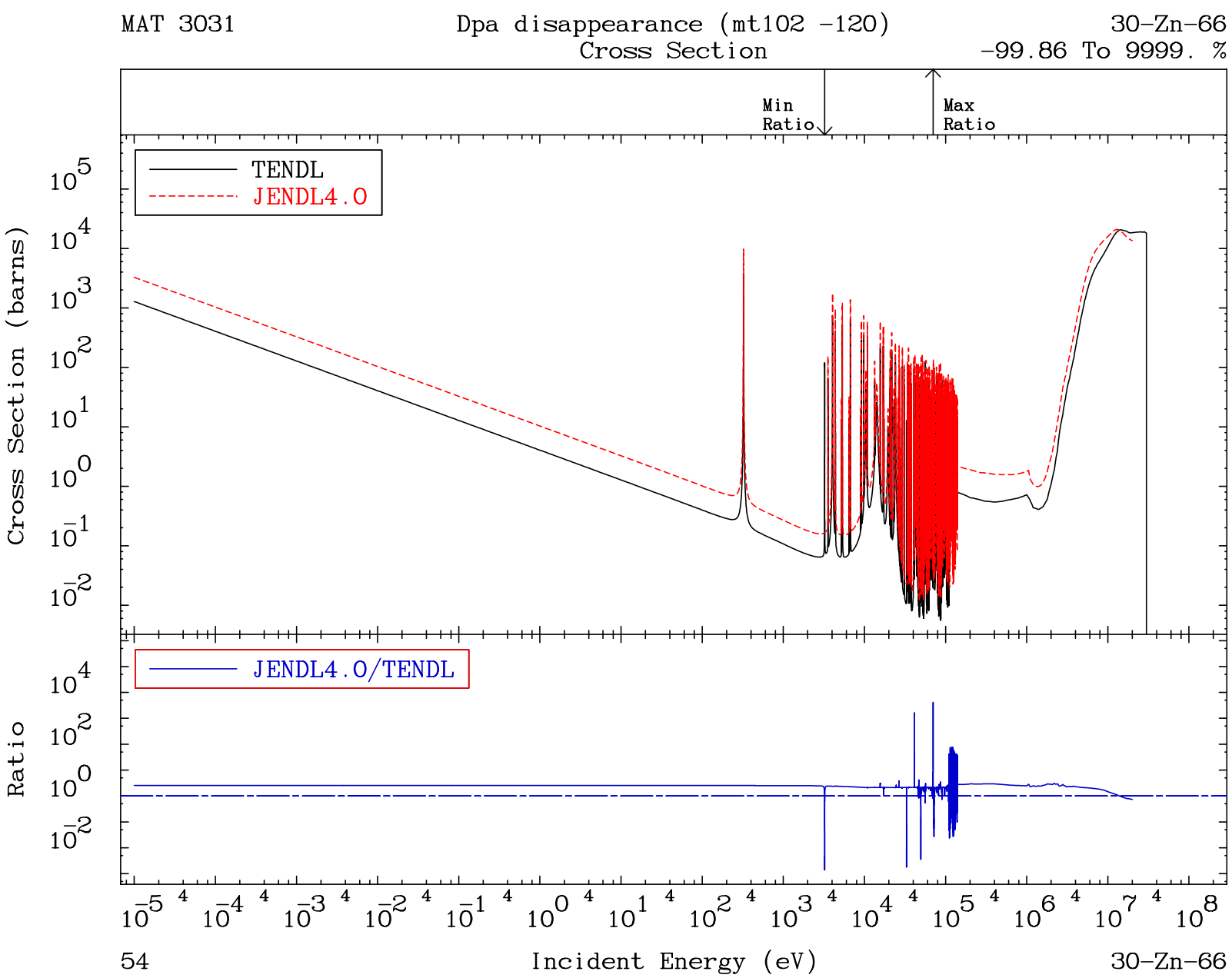

MAT 3031
Total photon (eV-barns)
Cross Section
30-Zn-66
-99.94 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
49
30-Zn-66

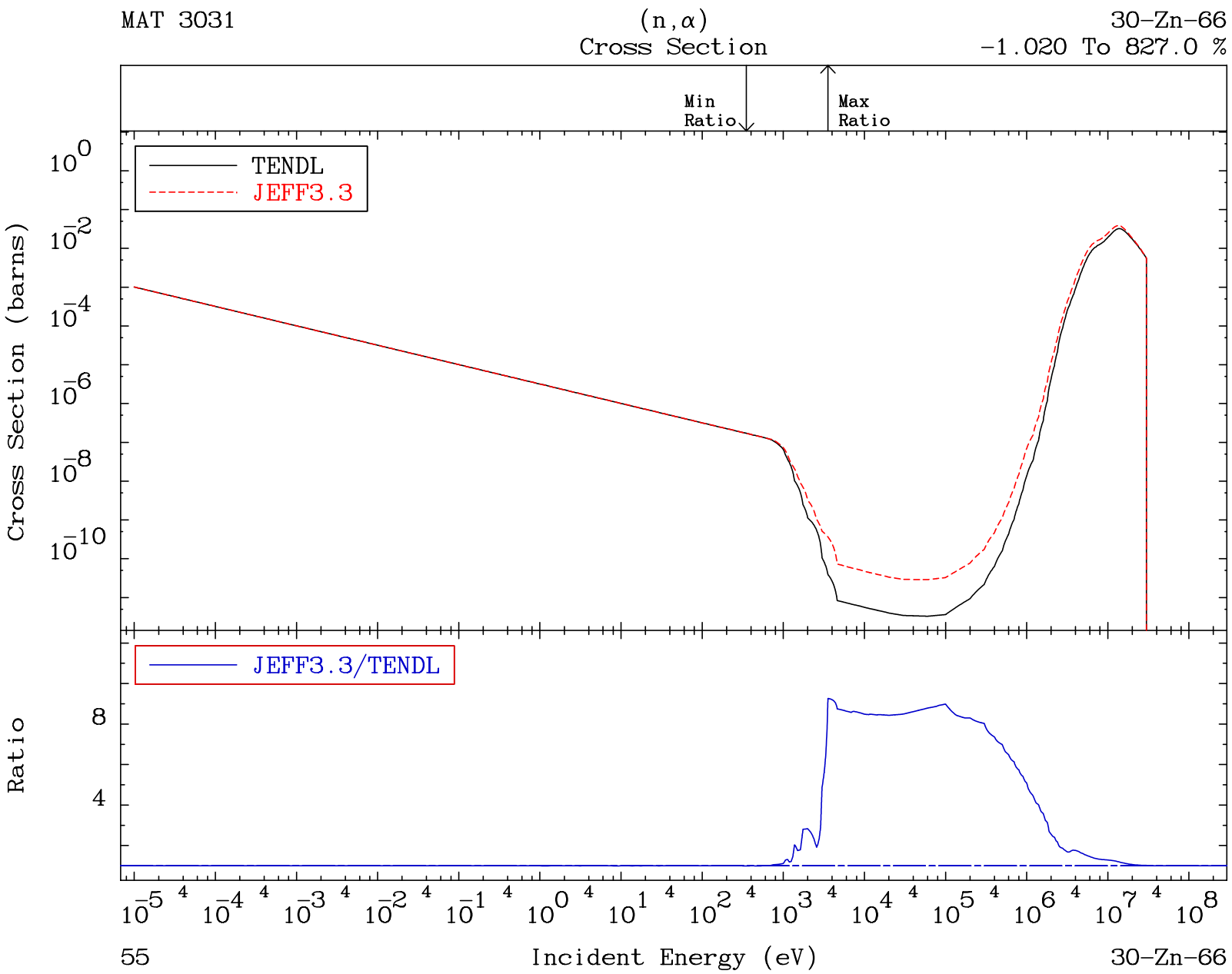

MAT 3031
Total kinematic kerma (high limit)
Cross Section
30-Zn-66
-98.38 To 1027. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
50
30-Zn-66

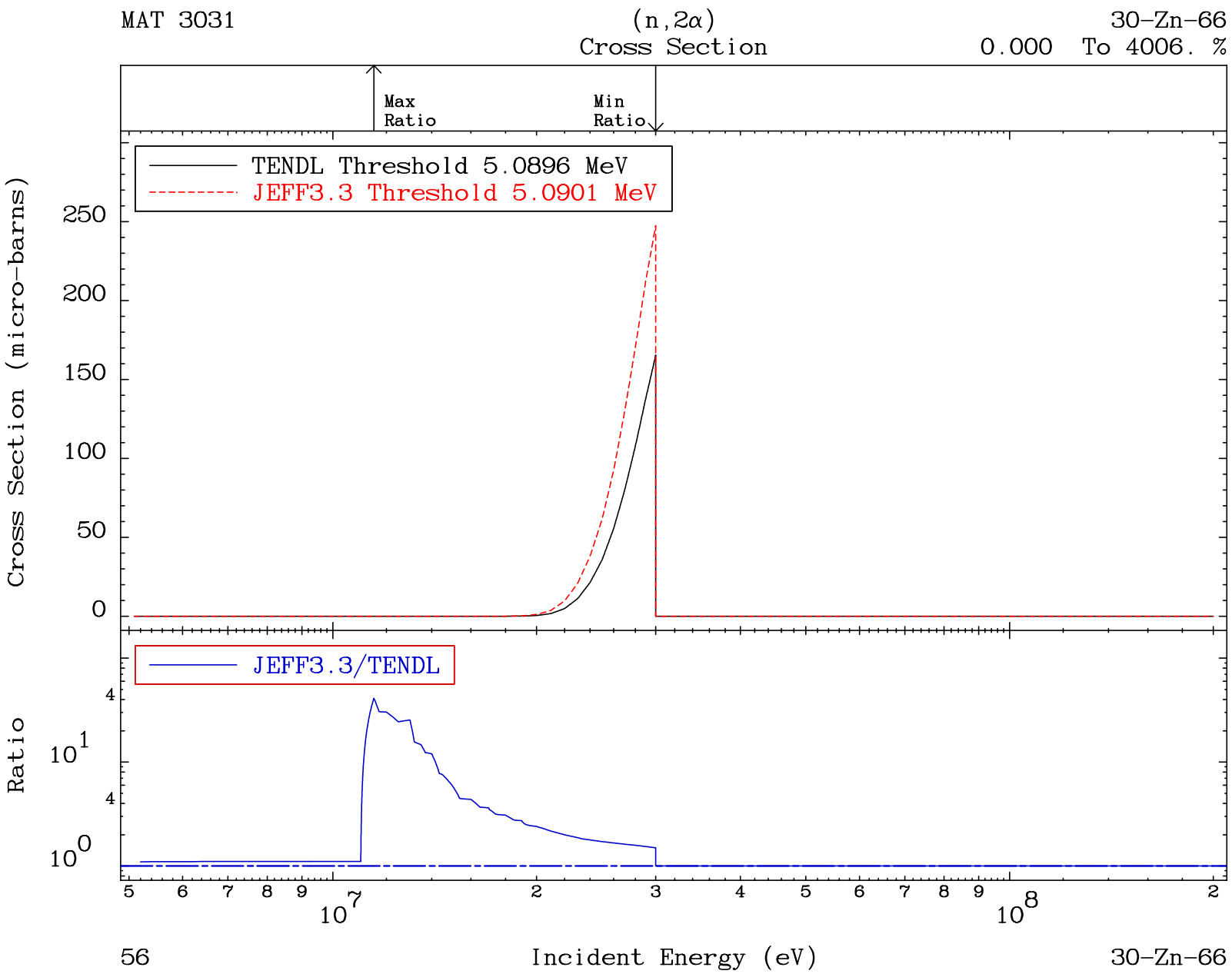

MAT 3031
Dpa total (eV-barns)
Cross Section
30-Zn-66
-98.38 To 1027. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
51
30-Zn-66

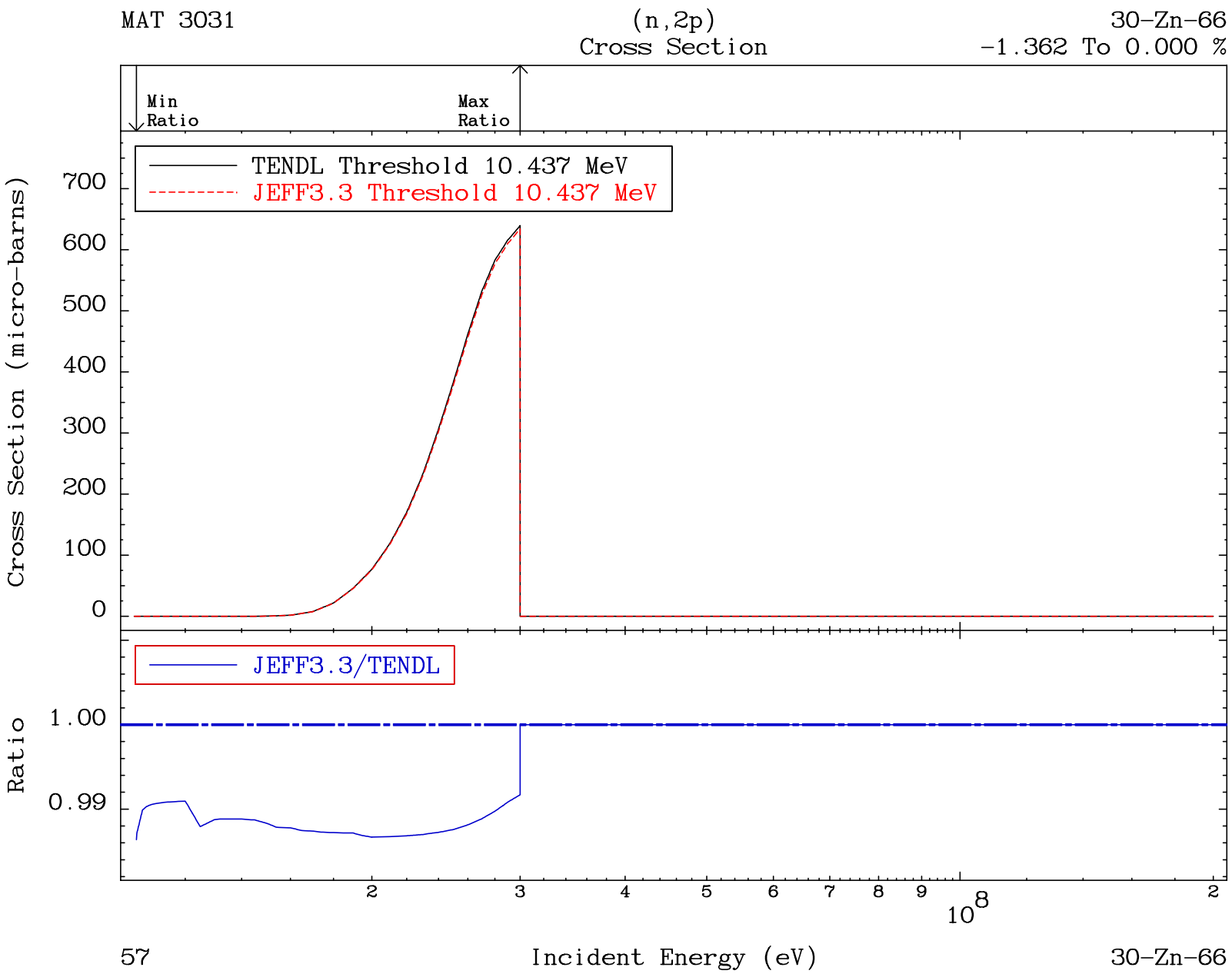

MAT 3031
Dpa elastic (mt2)
Cross Section
30-Zn-66
-98.67 To 1444. %
Min Ratio
Max Ratio
TENDL Threshold 422.82 eV
JENDL4.0 Threshold 406.25 eV
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
52
30-Zn-66

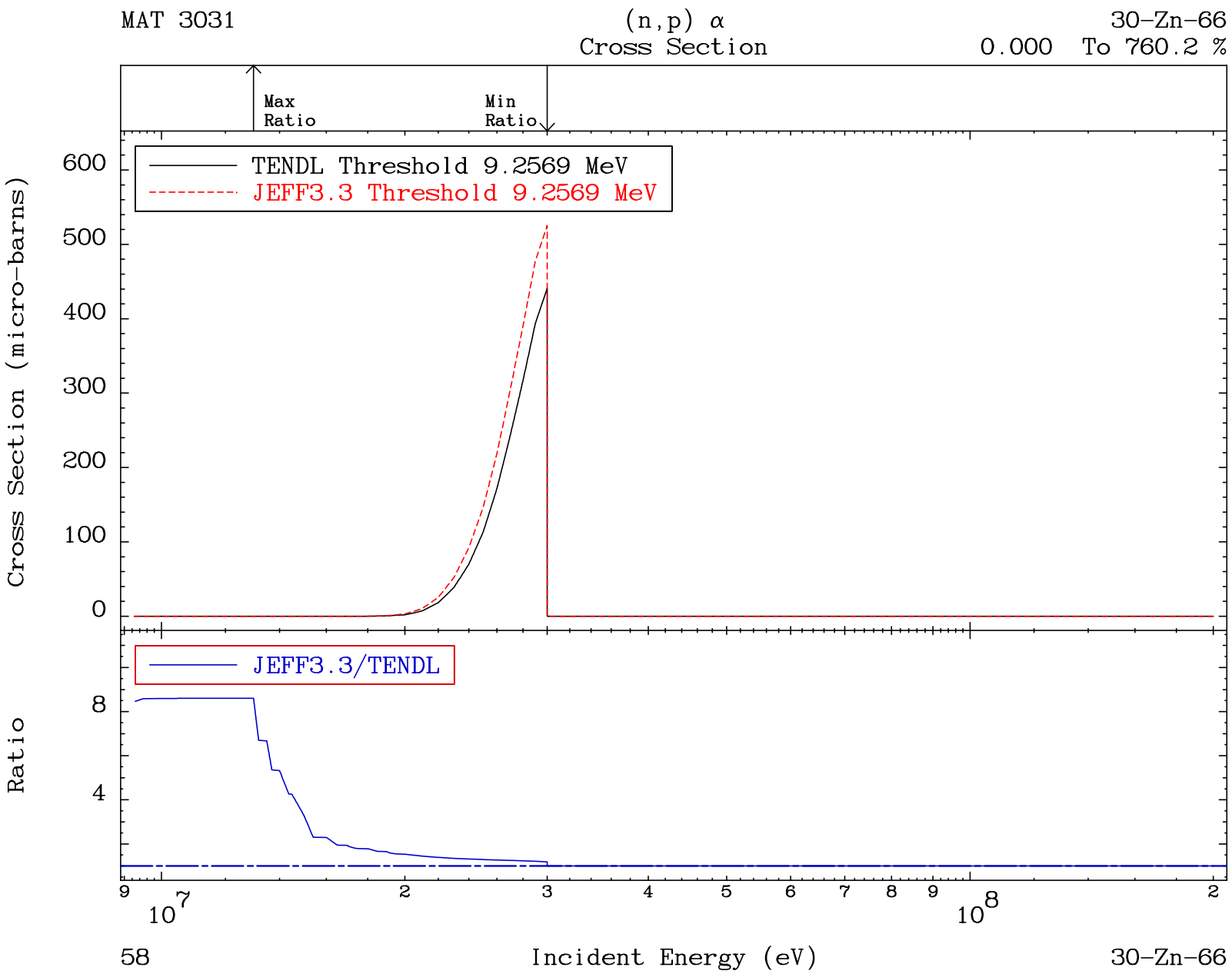

MAT 3031
Dpa inelastic (mt51-91)
Cross Section
30-Zn-66
-97.97 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.0551 MeV
JENDL4.0 Threshold 105.01 keV
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
53
30-Zn-66

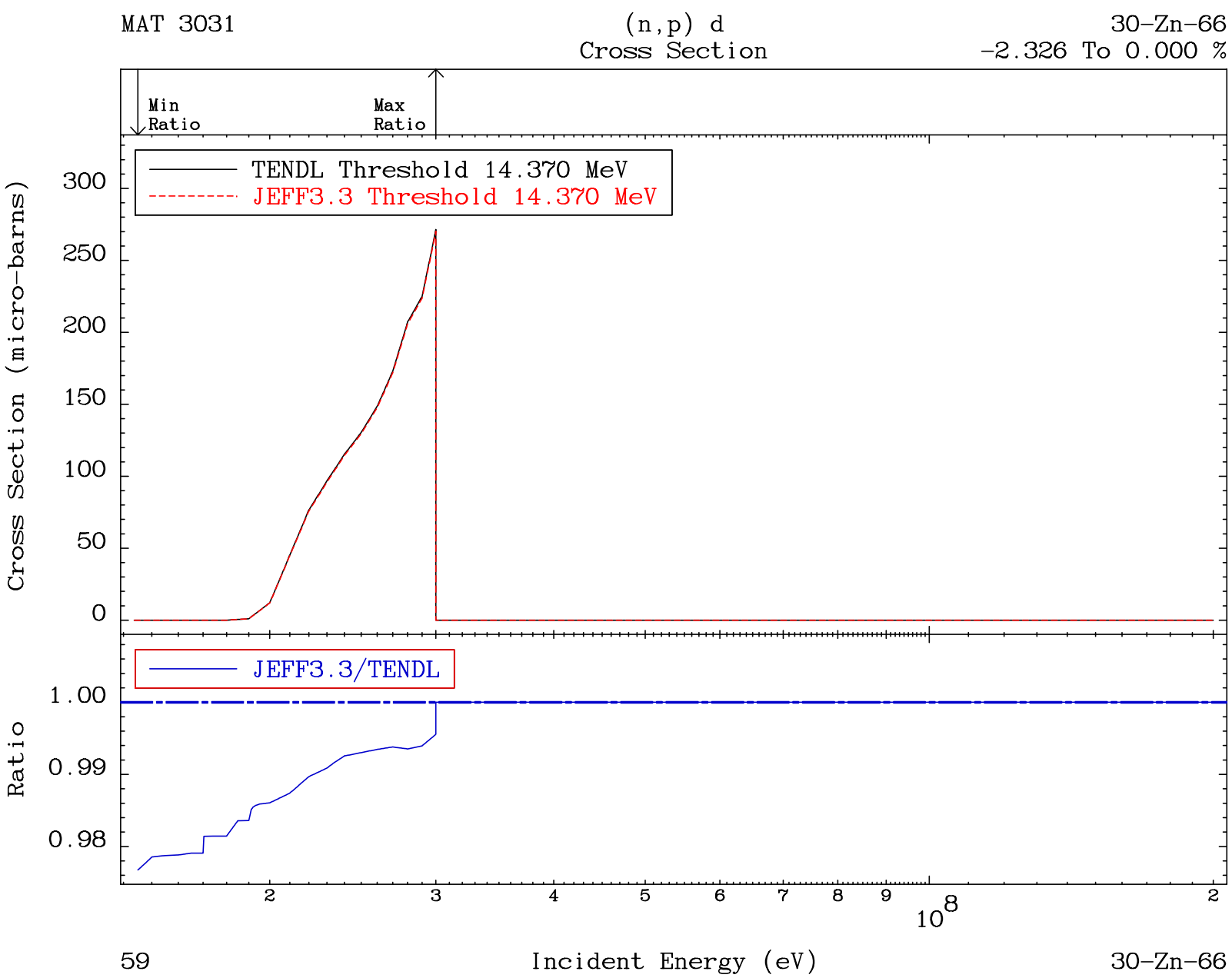

MAT 3031
Dpa disappearance (mt102 -120)
Cross Section
30-Zn-66
-99.86 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
54
30-Zn-66

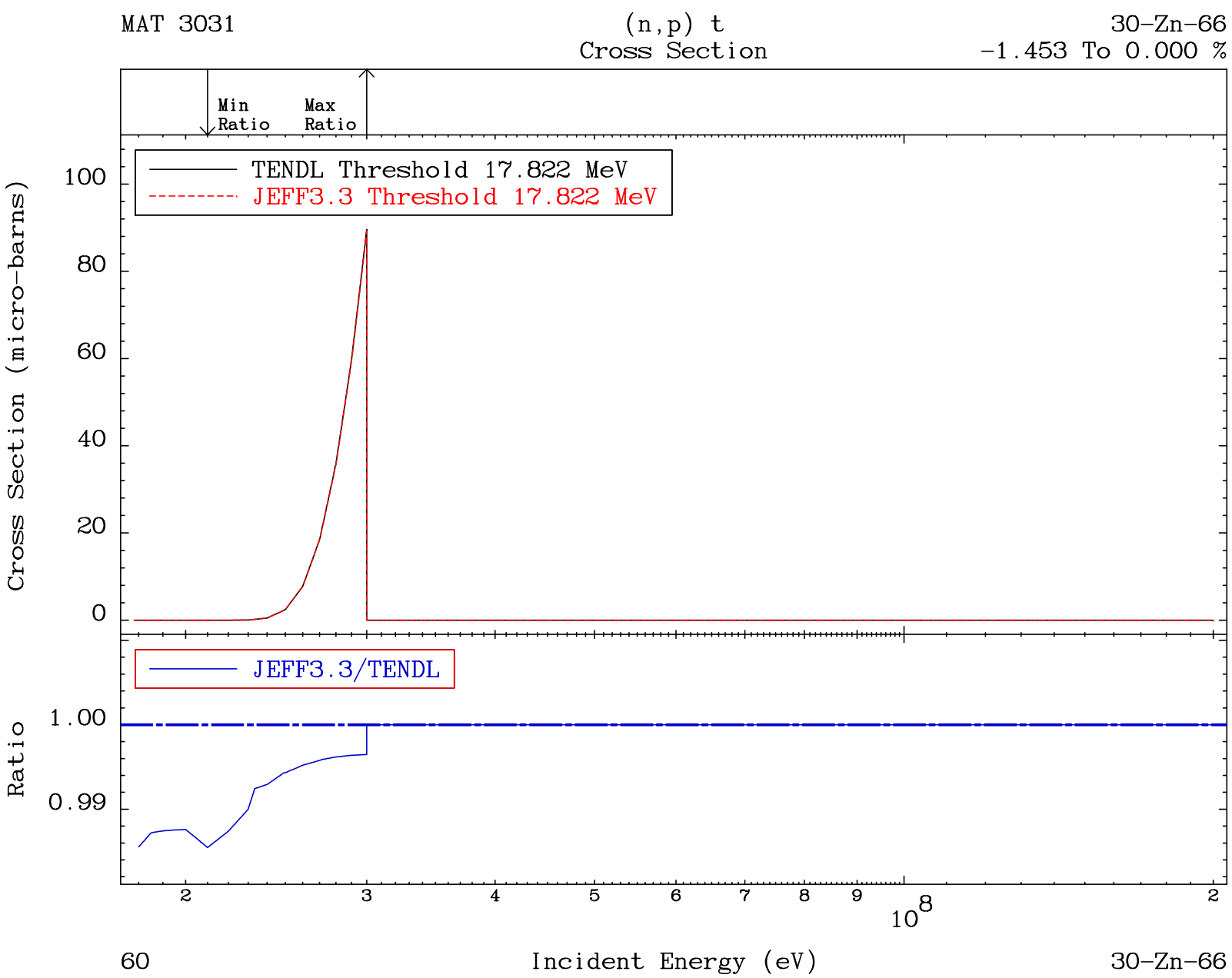

MAT 3031
(n,α)
Cross Section
30-Zn-66
-1.020 To 827.0 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
55
30-Zn-66

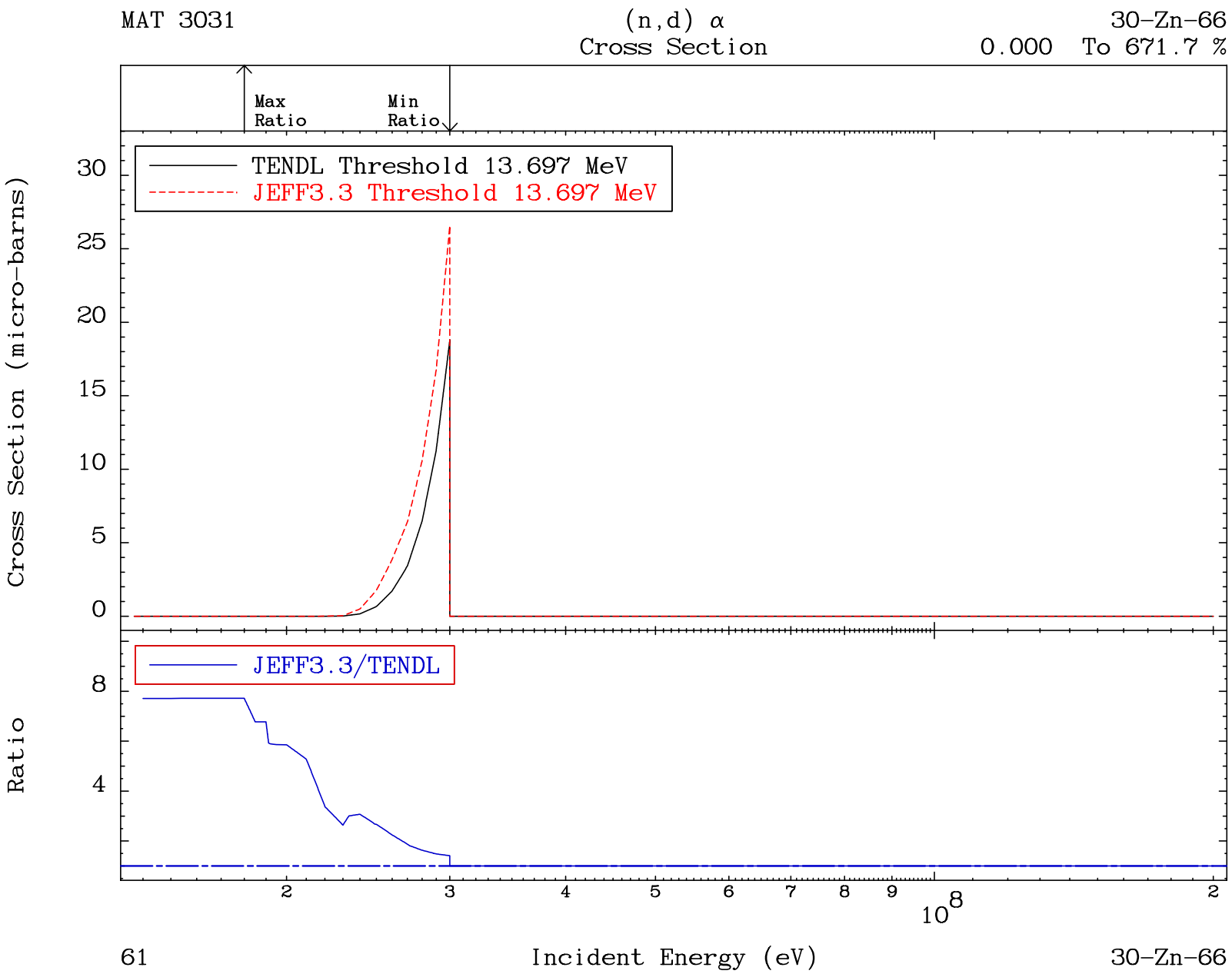

MAT 3031
(n,2α)
Cross Section
30-Zn-66
0.000 To 4006. %
Max Ratio
Min Ratio
TENDL Threshold 5.0896 MeV
JEFF3.3 Threshold 5.0901 MeV
Cross Section (micro-barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
10^1
10^0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
56
Incident Energy (eV)
30-Zn-66

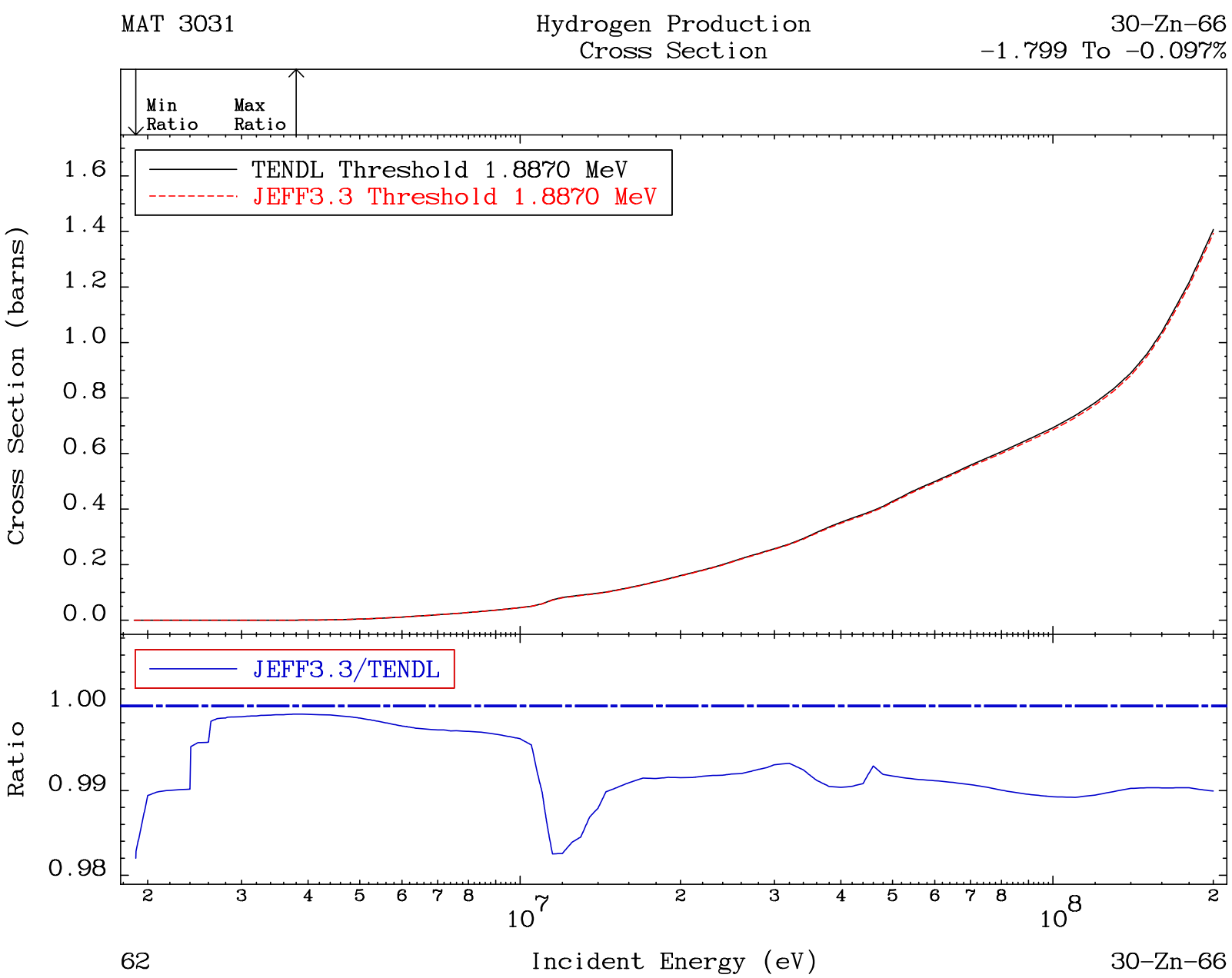

MAT 3031
(n,2p)
Cross Section
30-Zn-66
-1.362 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 10.437 MeV
JEFF3.3 Threshold 10.437 MeV
Cross Section (micro-barns)
700
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
57
Incident Energy (eV)
30-Zn-66

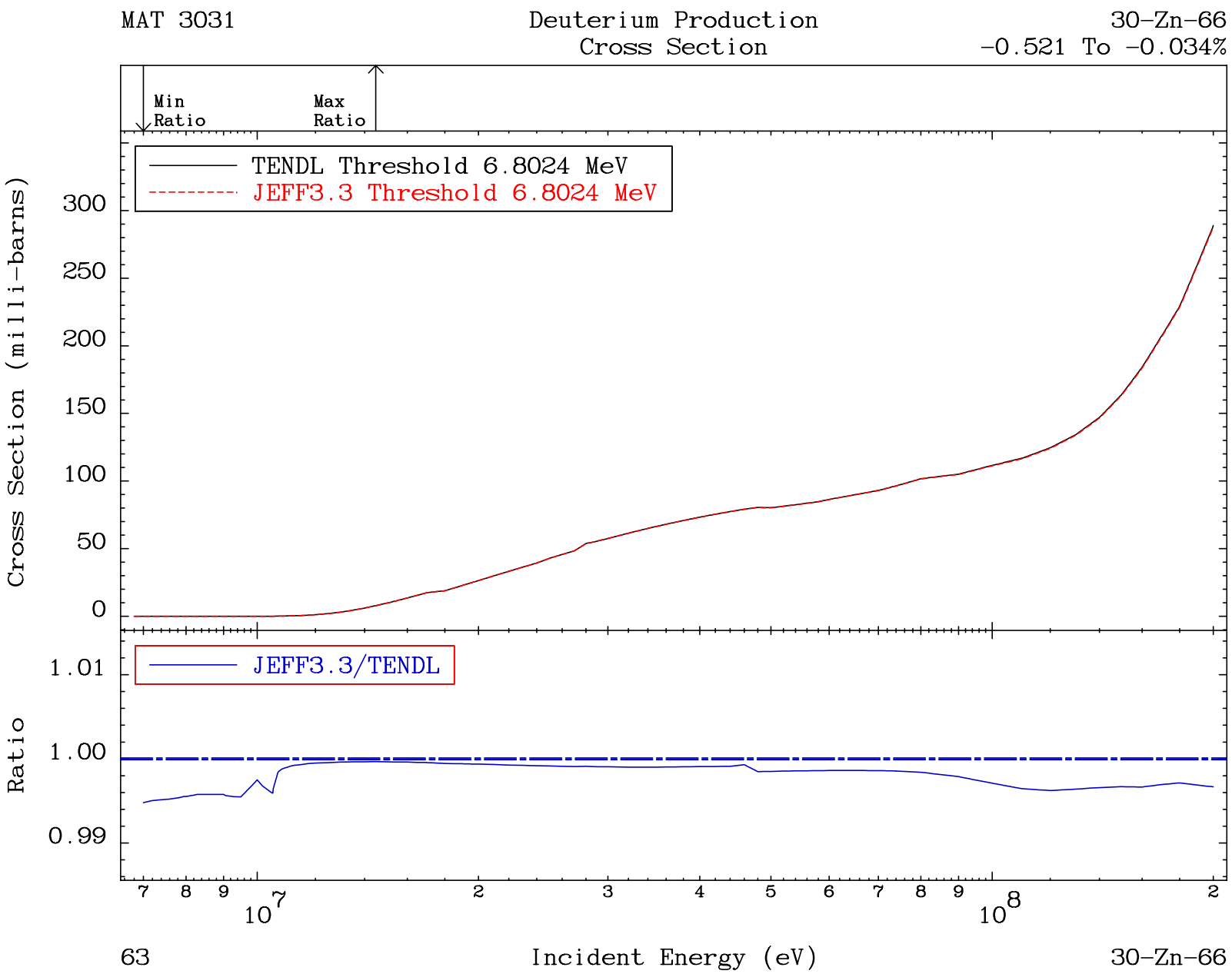

MAT 3031
(n,p) α
Cross Section
30-Zn-66
0.000 To 760.2 %
Max Ratio
Min Ratio
TENDL Threshold 9.2569 MeV
JEFF3.3 Threshold 9.2569 MeV
Cross Section (micro-barns)
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
8
4
9
10^7
2
3
4
5
6
7
8
9
10^8
2
58
Incident Energy (eV)
30-Zn-66

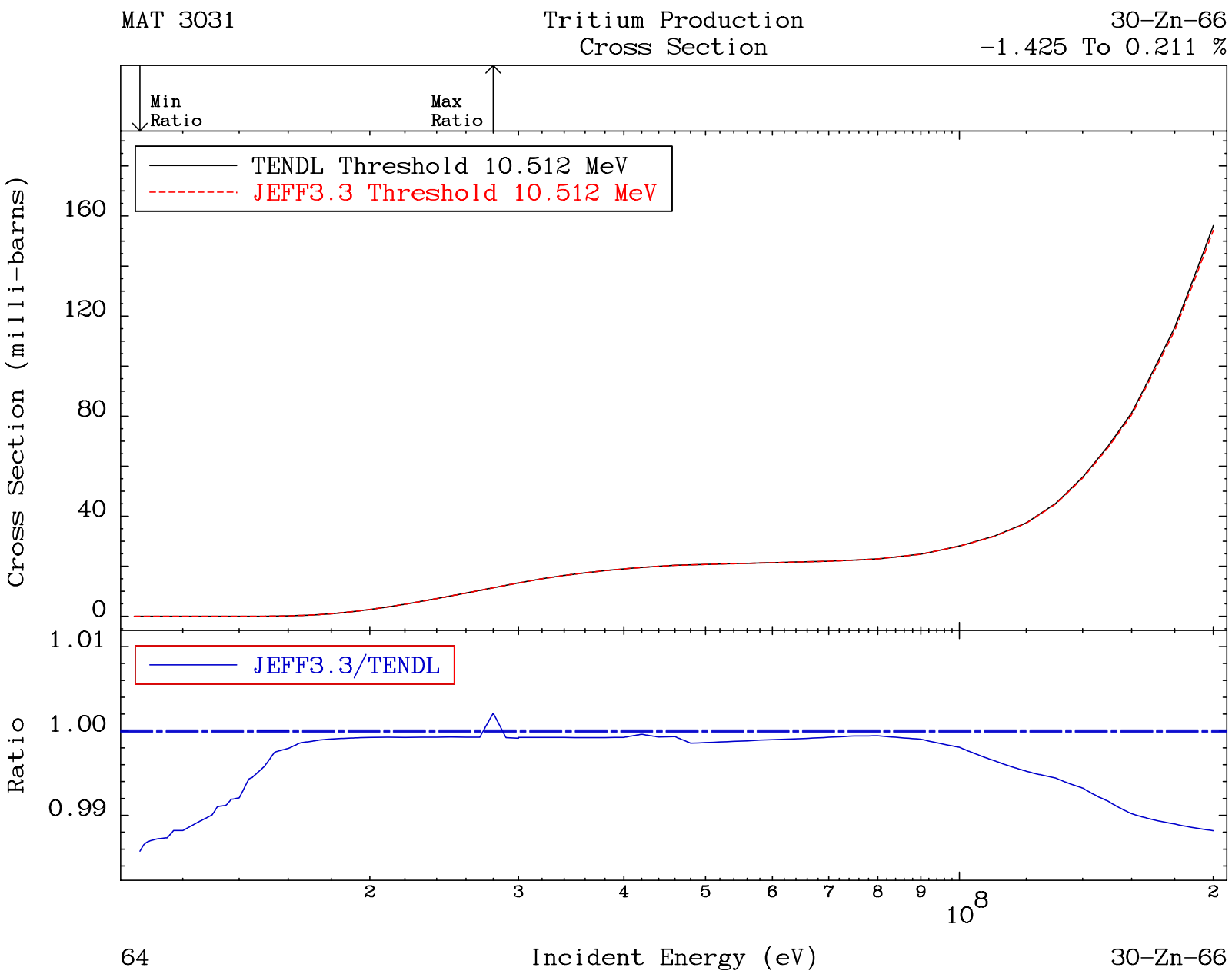

MAT 3031
(n,p) d
Cross Section
30-Zn-66
-2.326 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 14.370 MeV
JEFF3.3 Threshold 14.370 MeV
Cross Section (micro-barns)
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.00
0.99
0.98
2
3
4
5
6
7
8
9
10^8
2
59
Incident Energy (eV)
30-Zn-66

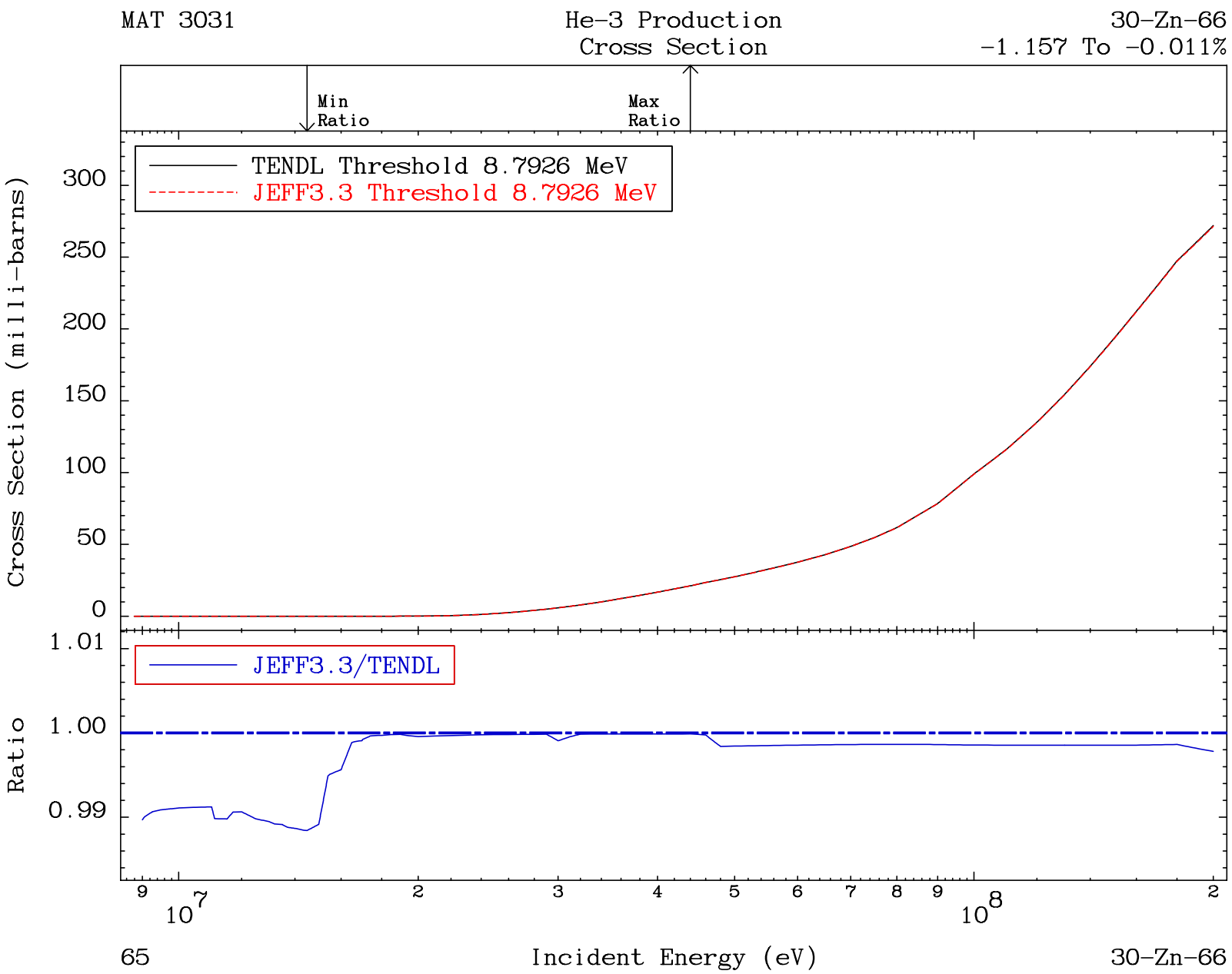

MAT 3031
(n,p) t
Cross Section
30-Zn-66
-1.453 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 17.822 MeV
JEFF3.3 Threshold 17.822 MeV
Cross Section (micro-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
60
Incident Energy (eV)
30-Zn-66

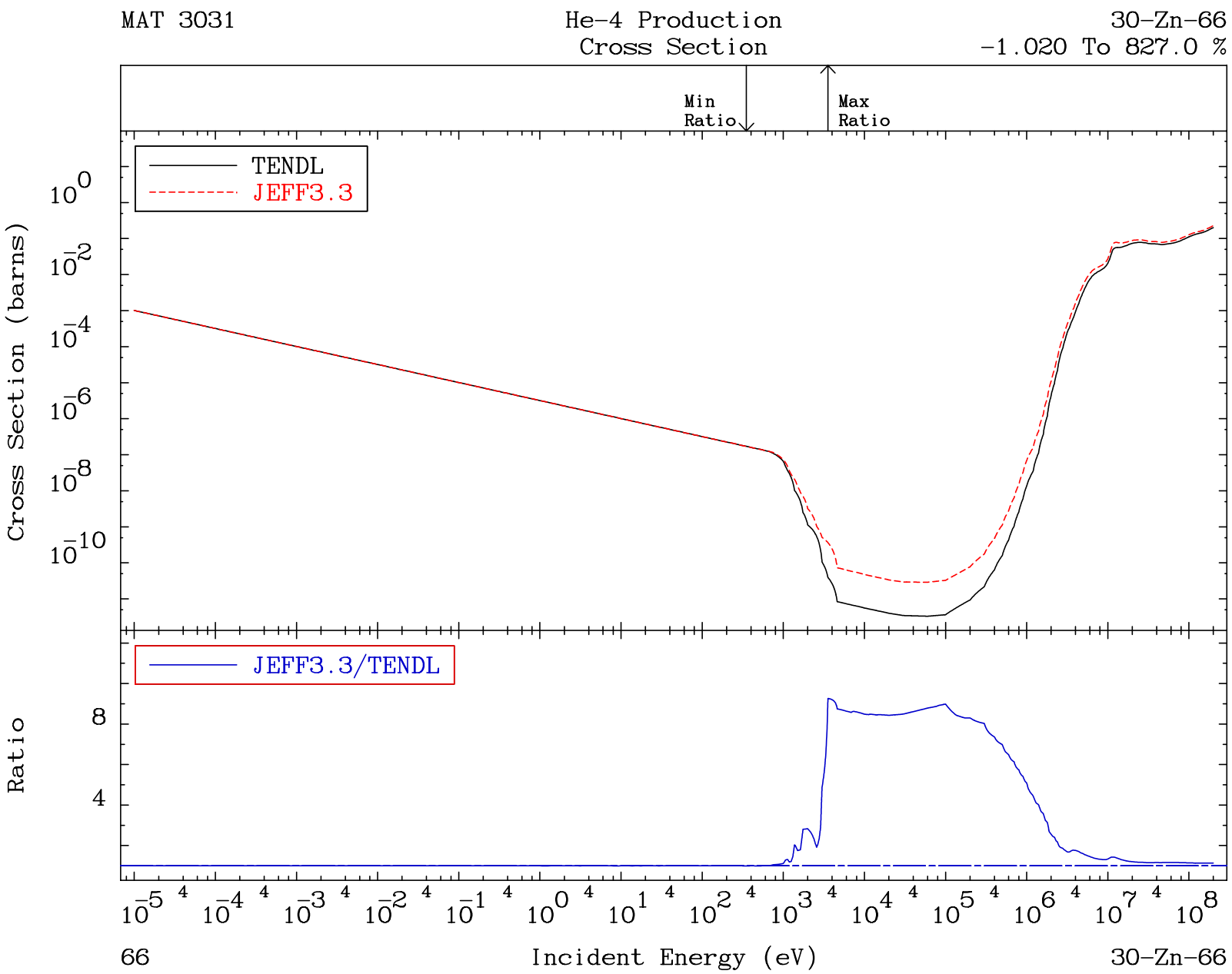

MAT 3031
(n,d) α
Cross Section
30-Zn-66
0.000 To 671.7 %
Max Ratio
Min Ratio
TENDL Threshold 13.697 MeV
JEFF3.3 Threshold 13.697 MeV
Cross Section (micro-barns)
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
8
4
2
3
4
5
6
7
8
9
10^8
2
61
Incident Energy (eV)
30-Zn-66

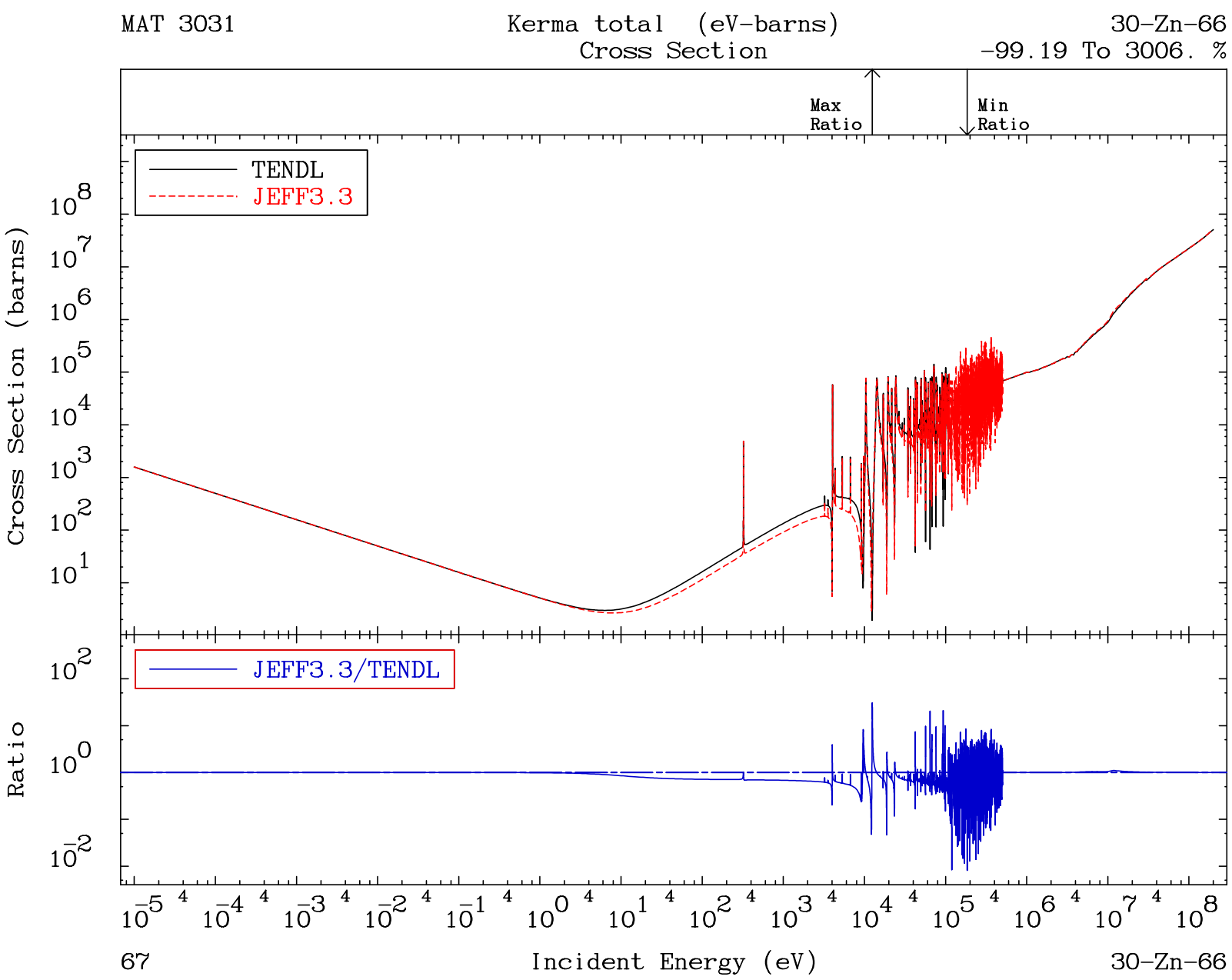

MAT 3031
Hydrogen Production
Cross Section
30-Zn-66
-1.799 To -0.097%
Min Ratio
Max Ratio
TENDL Threshold 1.8870 MeV
JEFF3.3 Threshold 1.8870 MeV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.00
0.99
0.98
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
62
Incident Energy (eV)
30-Zn-66

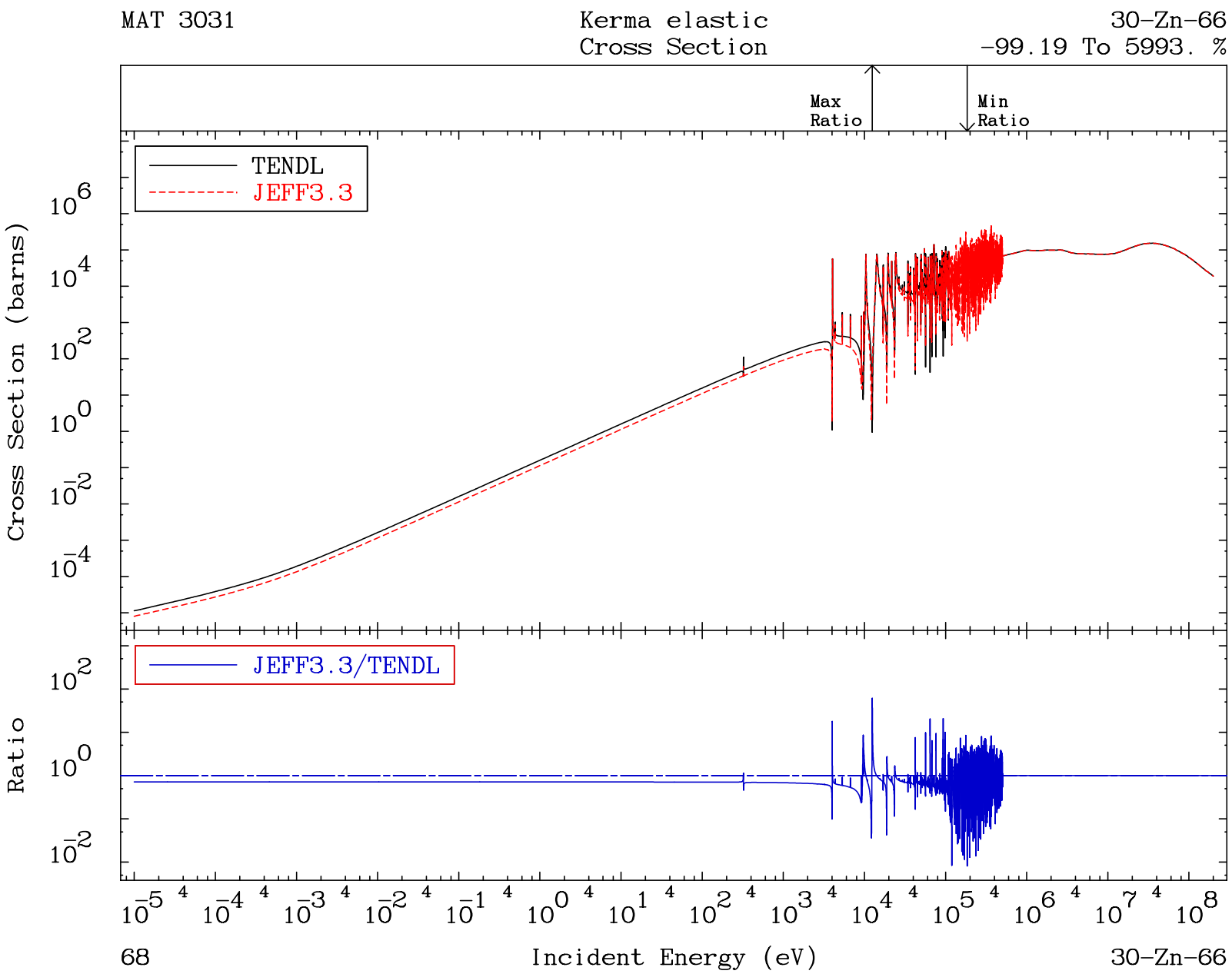

MAT 3031
Deuterium Production
Cross Section
30-Zn-66
-0.521 To -0.034%
Min Ratio
Max Ratio
TENDL Threshold 6.8024 MeV
JEFF3.3 Threshold 6.8024 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
63
Incident Energy (eV)
30-Zn-66

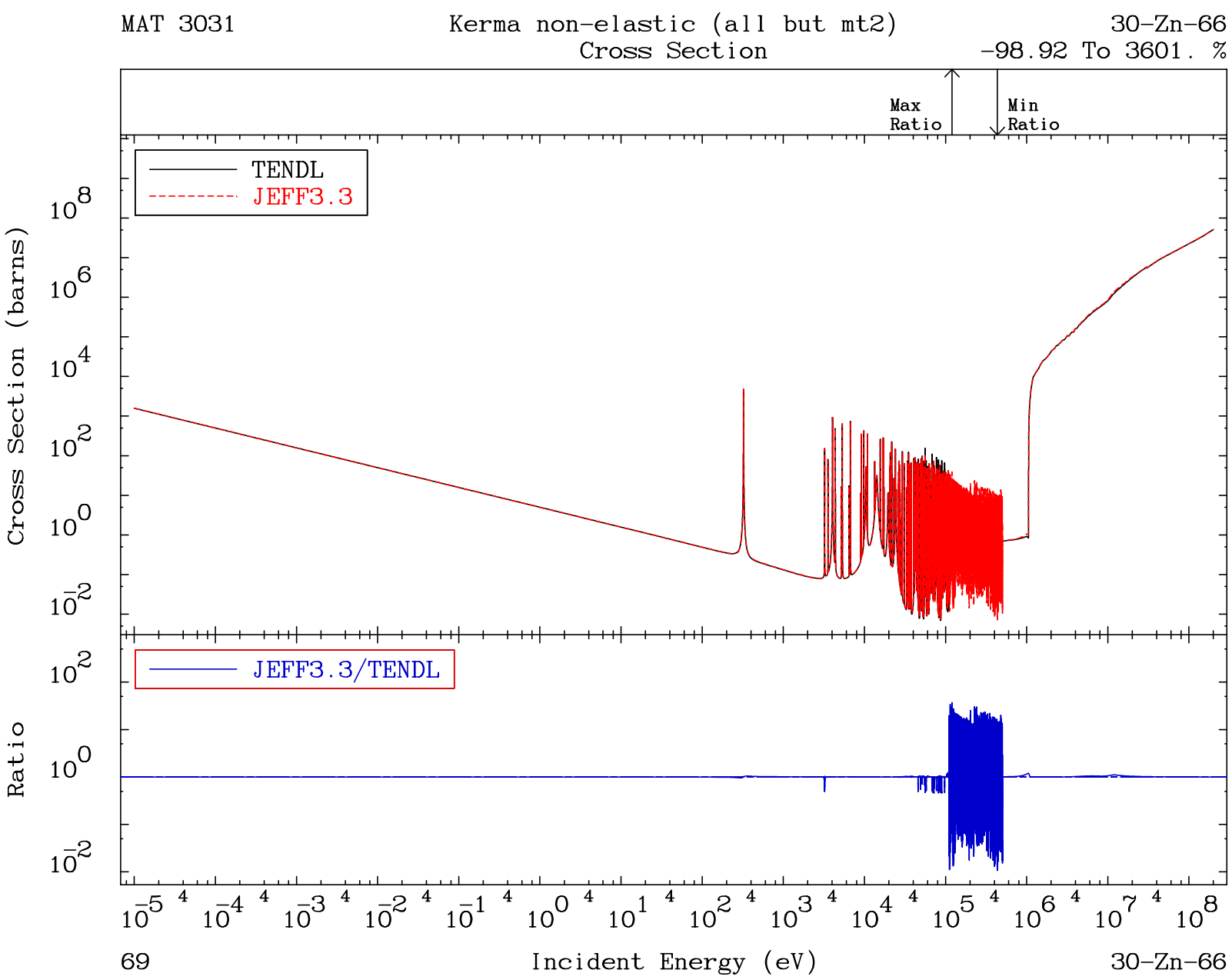

MAT 3031
Tritium Production
Cross Section
30-Zn-66
-1.425 To 0.211 %
Min Ratio
Max Ratio
TENDL Threshold 10.512 MeV
JEFF3.3 Threshold 10.512 MeV
Cross Section (milli-barns)
160
120
80
40
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
64
Incident Energy (eV)
30-Zn-66

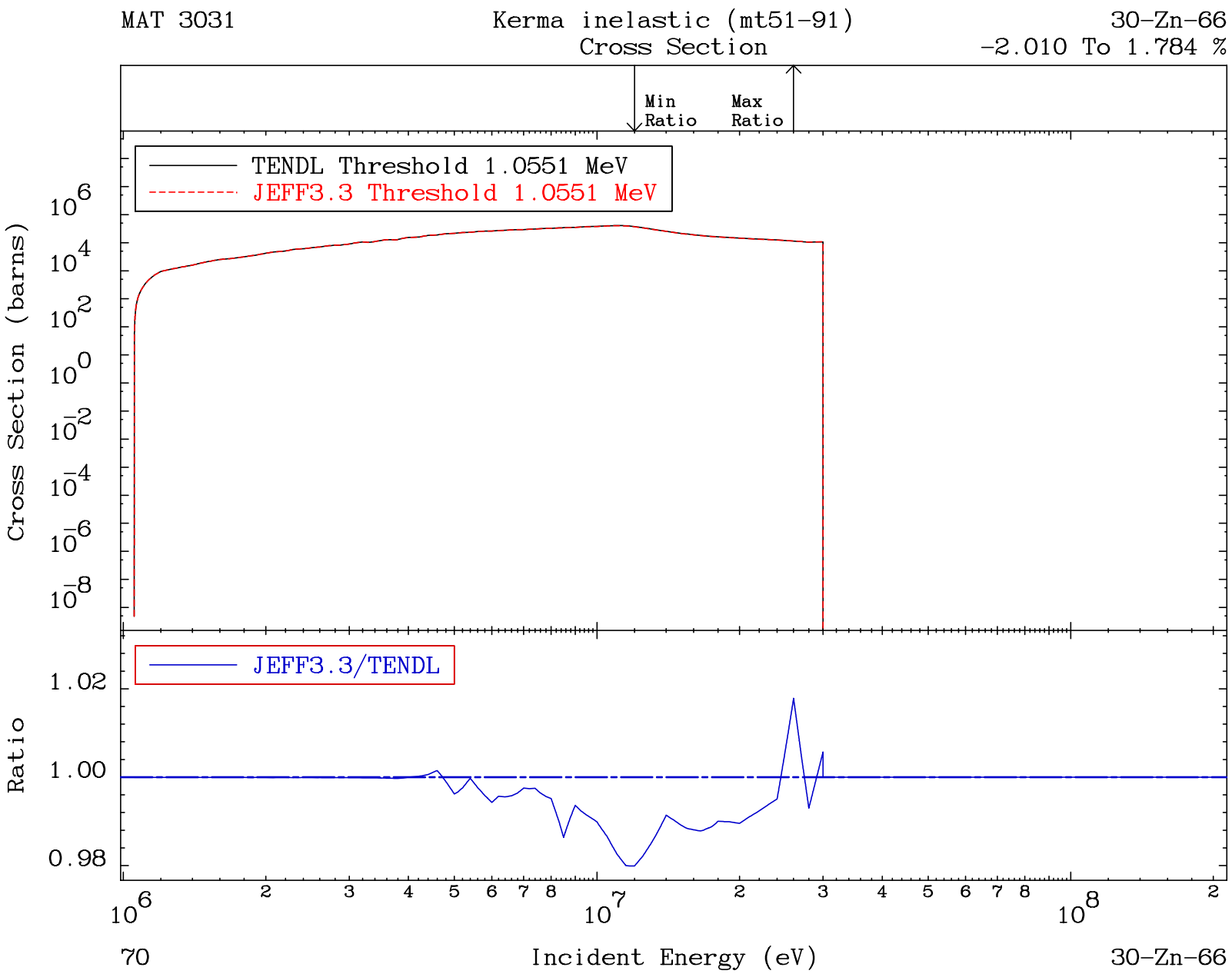

MAT 3031
He-3 Production
Cross Section
30-Zn-66
-1.157 To -0.011%
Min
Ratio
Max
Ratio
TENDL Threshold 8.7926 MeV
JEFF3.3 Threshold 8.7926 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
9
10^7
2
3
4
5
6
7
8
9
10^8
2
65
Incident Energy (eV)
30-Zn-66

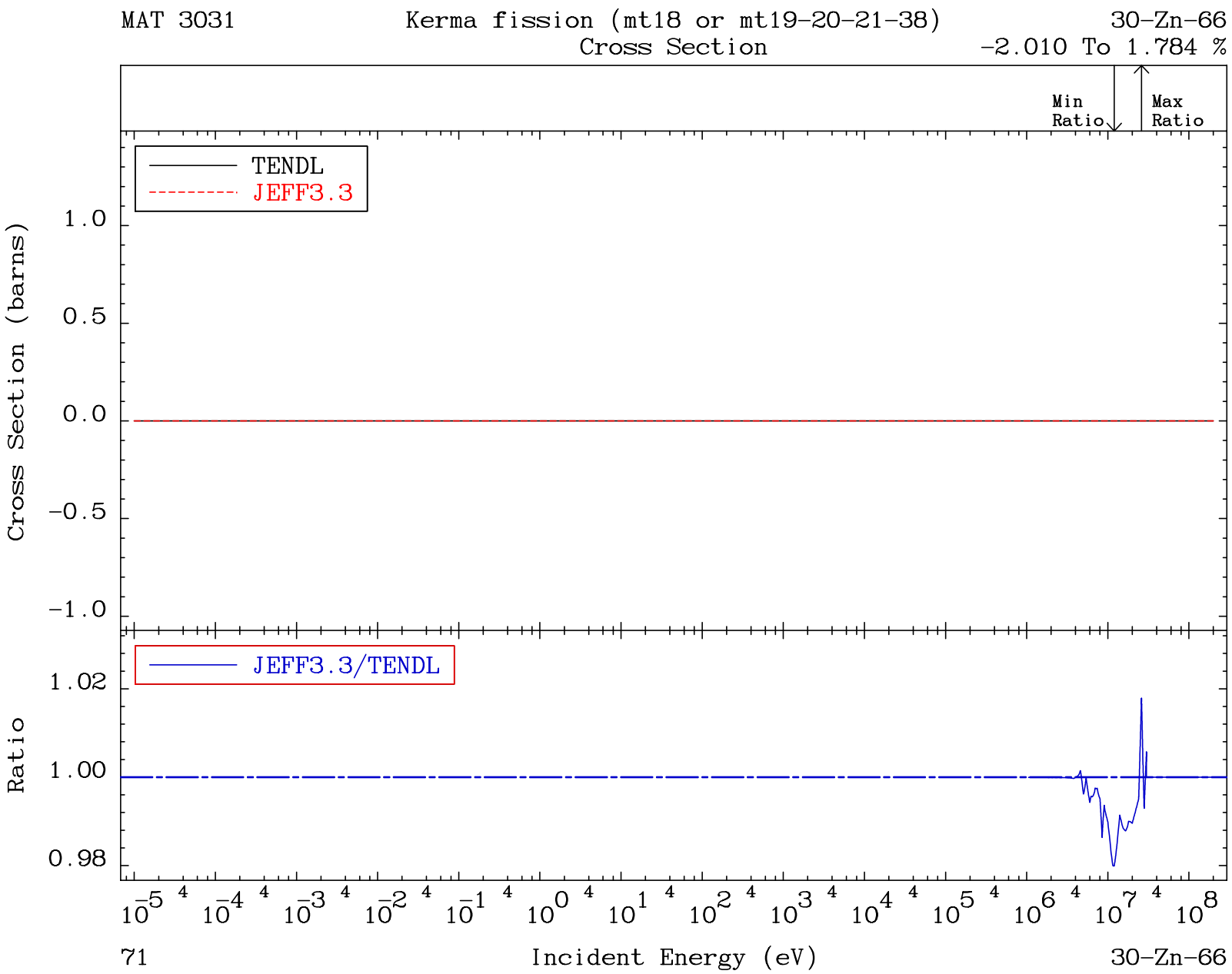

MAT 3031
He-4 Production
Cross Section
30-Zn-66
-1.020 To 827.0 %
Min
Ratio
Max
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
66
30-Zn-66

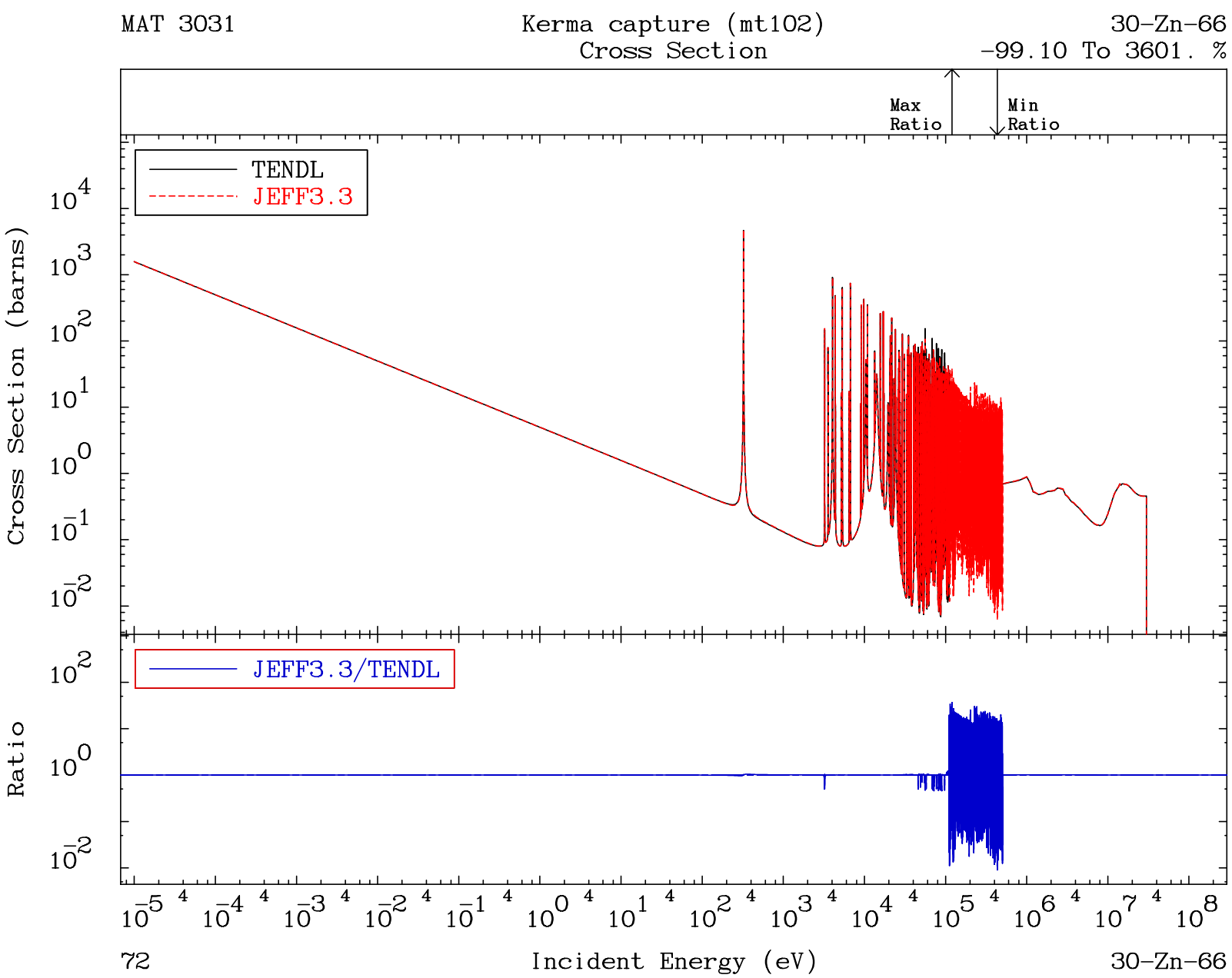

MAT 3031
Kerma total (eV-barns)
Cross Section
30-Zn-66
-99.19 To 3006. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
67
30-Zn-66

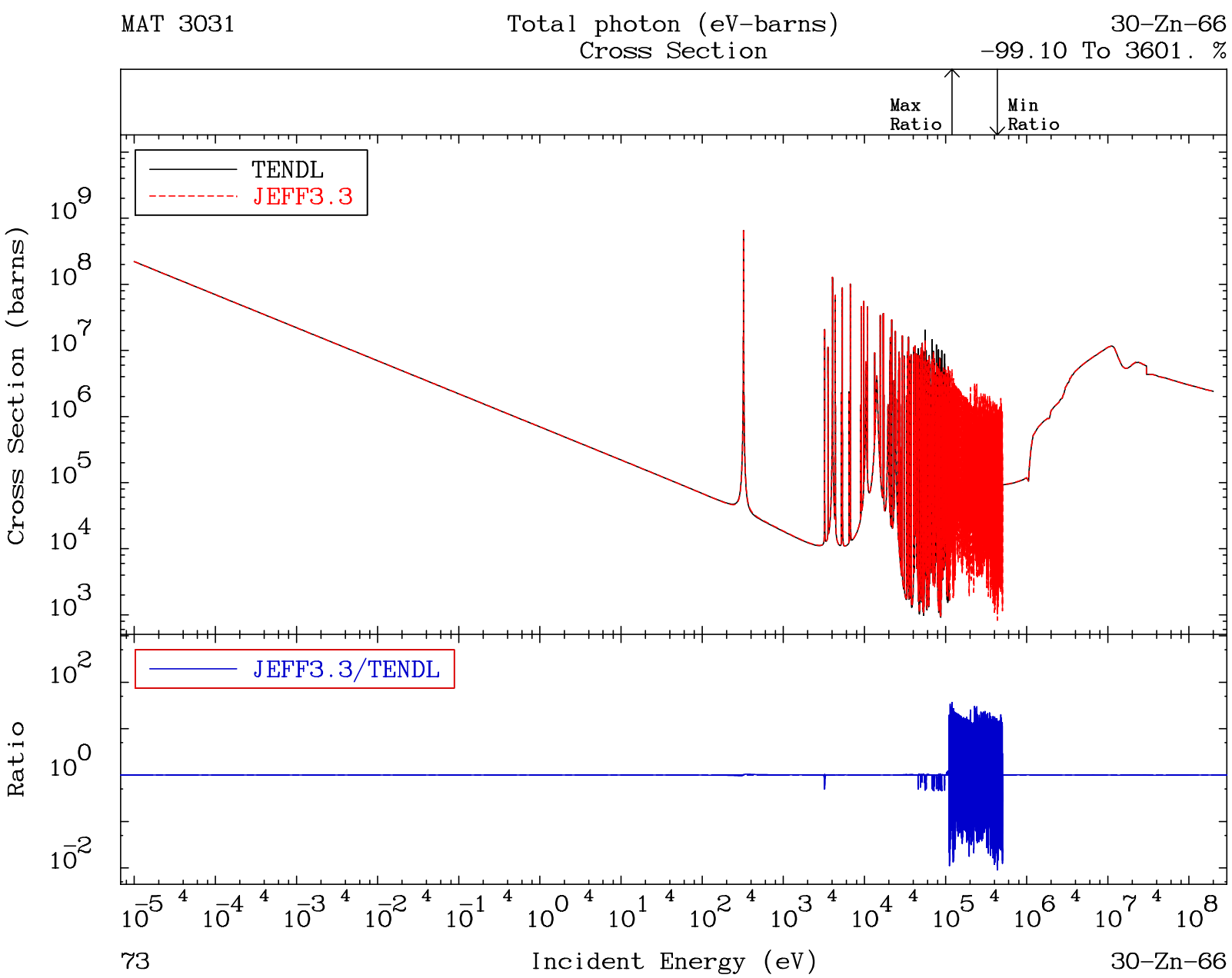

MAT 3031
Kerma elastic
Cross Section
30-Zn-66
-99.19 To 5993. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
68
30-Zn-66

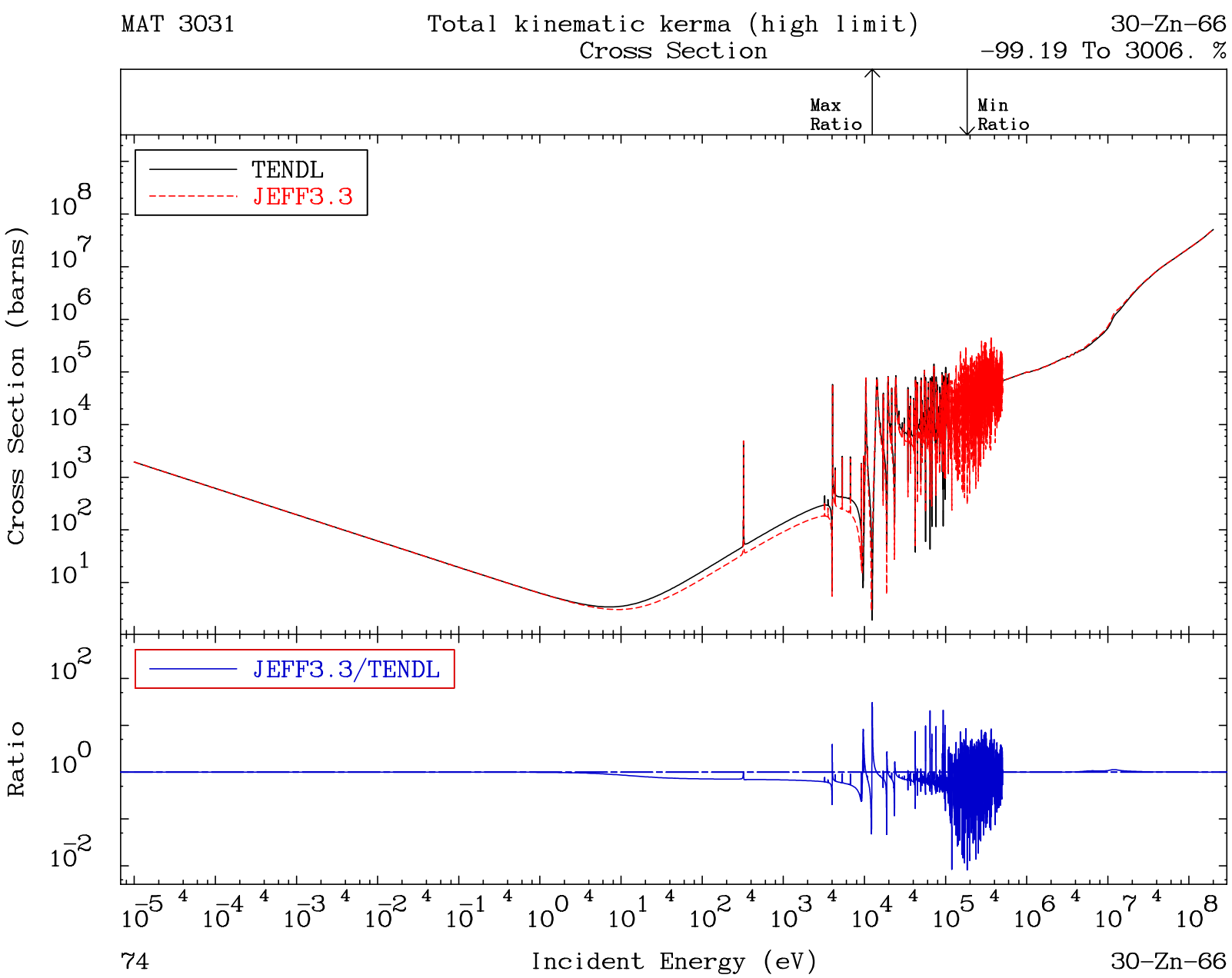

MAT 3031
Kerma non-elastic (all but mt2)
Cross Section
30-Zn-66
-98.92 To 3601. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
69
30-Zn-66

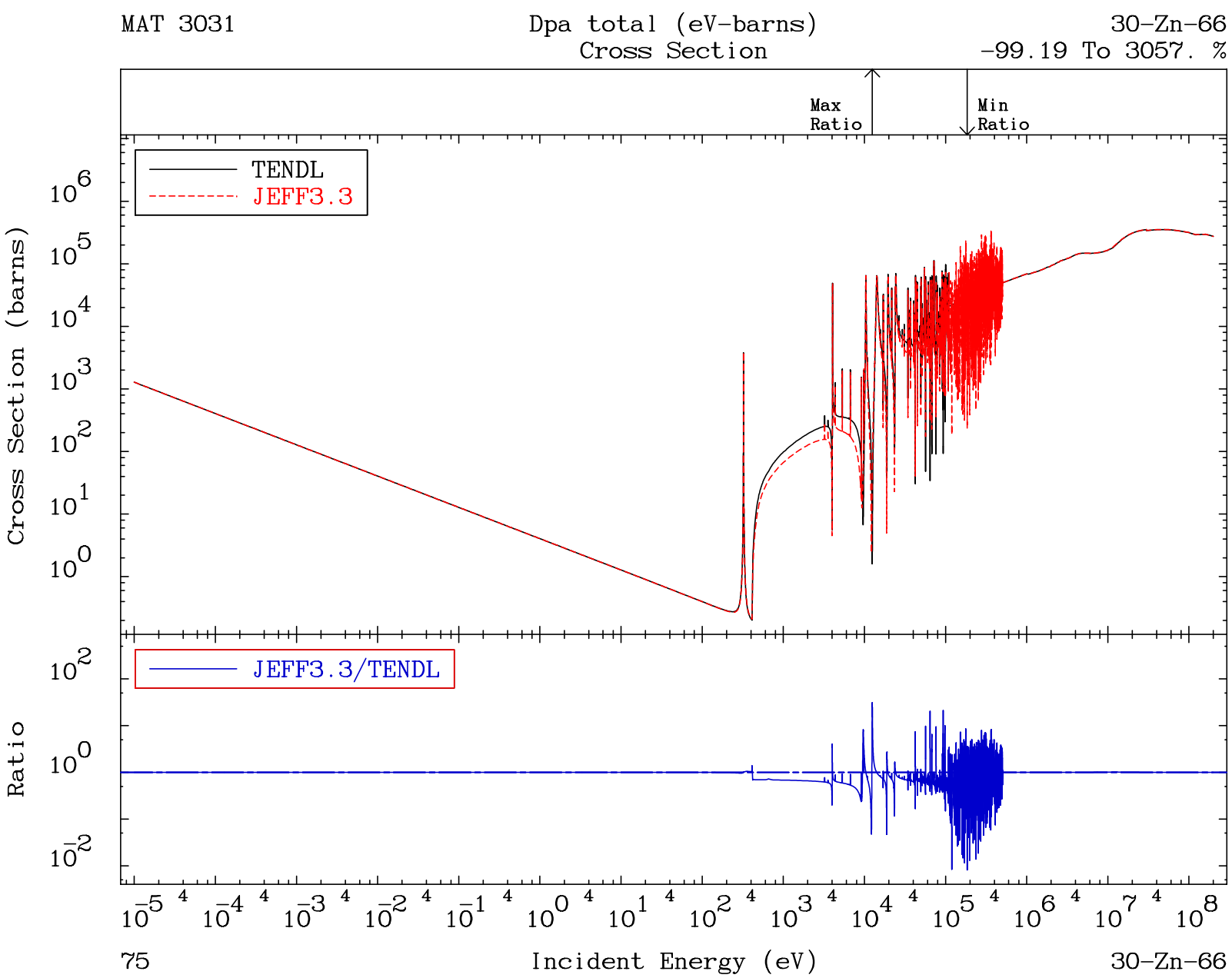

MAT 3031
Kerma inelastic (mt51-91)
Cross Section
30-Zn-66
-2.010 To 1.784 %
Min Ratio
Max Ratio
TENDL Threshold 1.0551 MeV
JEFF3.3 Threshold 1.0551 MeV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
70
30-Zn-66

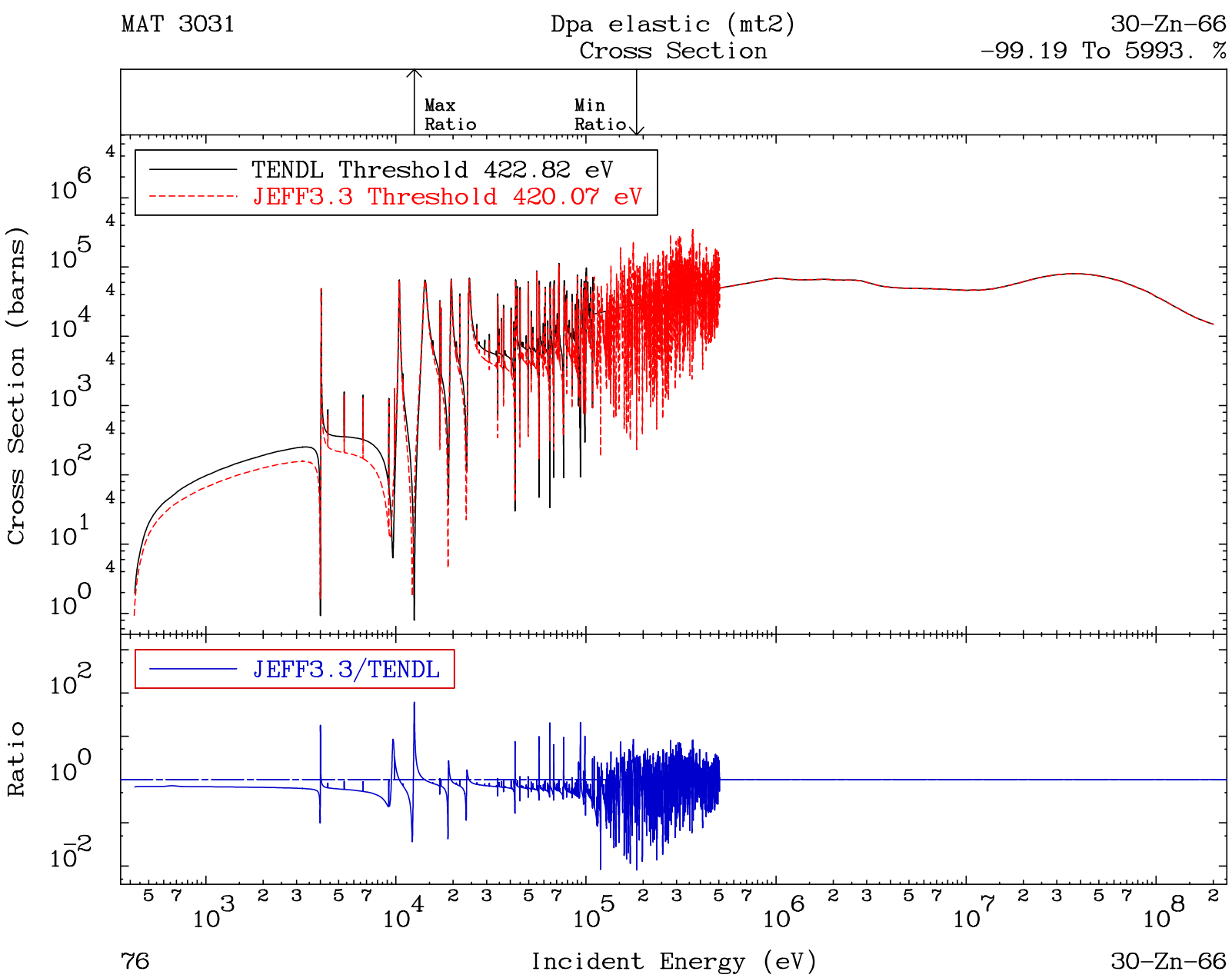

MAT 3031
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
30-Zn-66
-2.010 To 1.784 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
JEFF3.3/TENDL
Ratio
1.02
1.00
0.98
10-5 4 10-4 4 10-3 4 10-2 4 10-1 4 100 4 101 4 102 4 103 4 104 4 105 4 106 4 107 4 108
71
Incident Energy (eV)
30-Zn-66

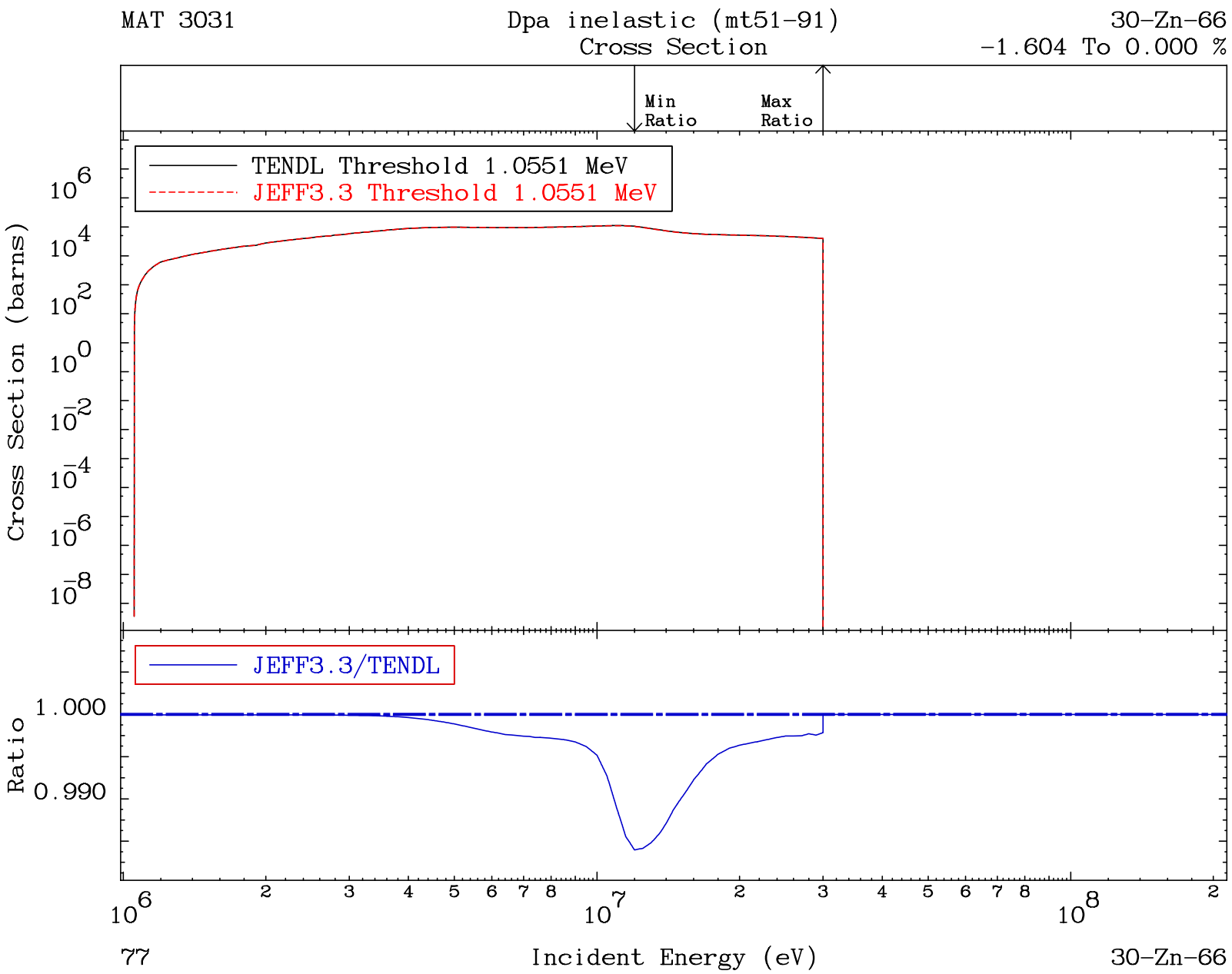

MAT 3031
Kerma capture (mt102)
Cross Section
30-Zn-66
-99.10 To 3601. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
72
30-Zn-66

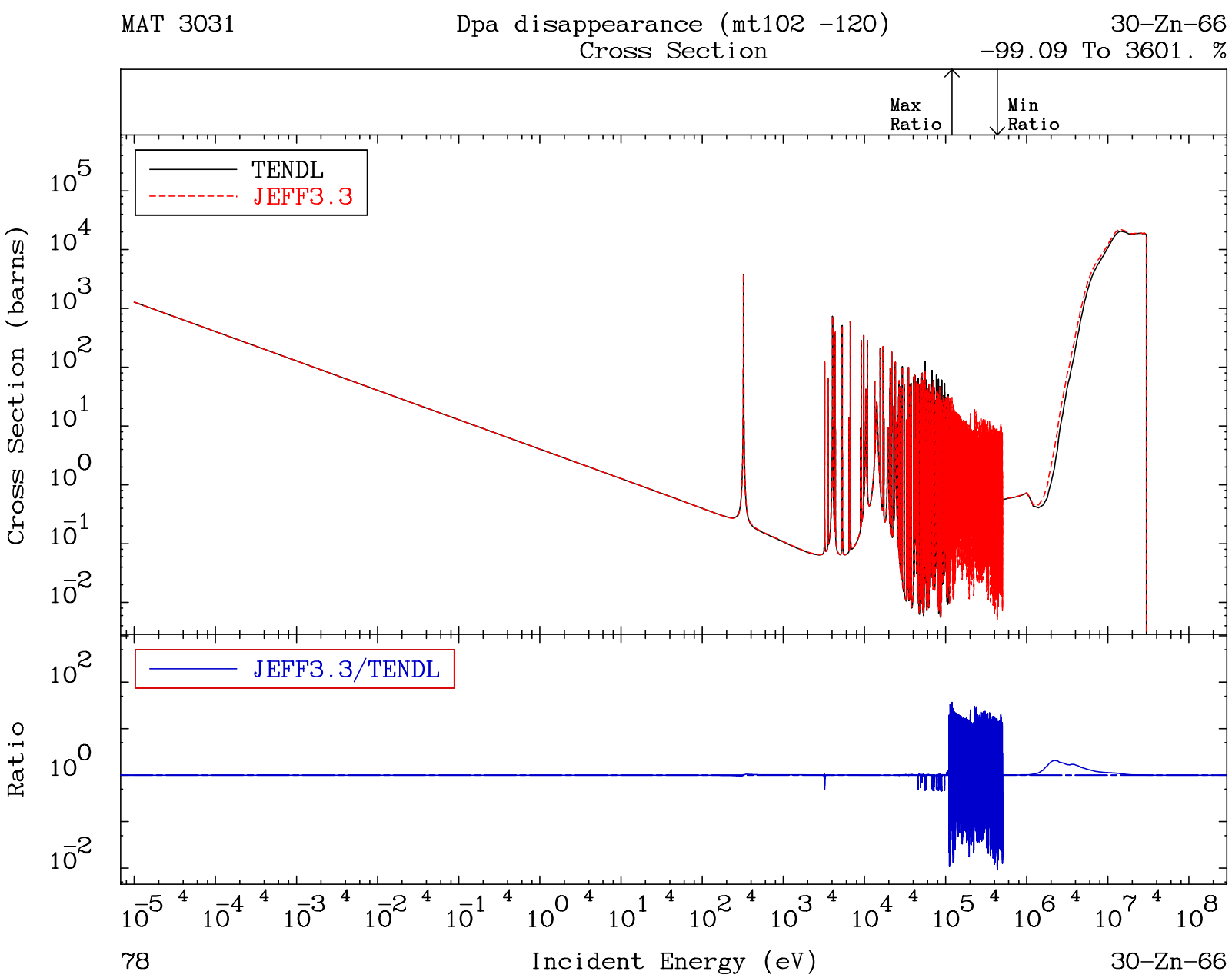

MAT 3031
Total photon (eV-barns)
Cross Section
30-Zn-66
-99.10 To 3601. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
73
30-Zn-66

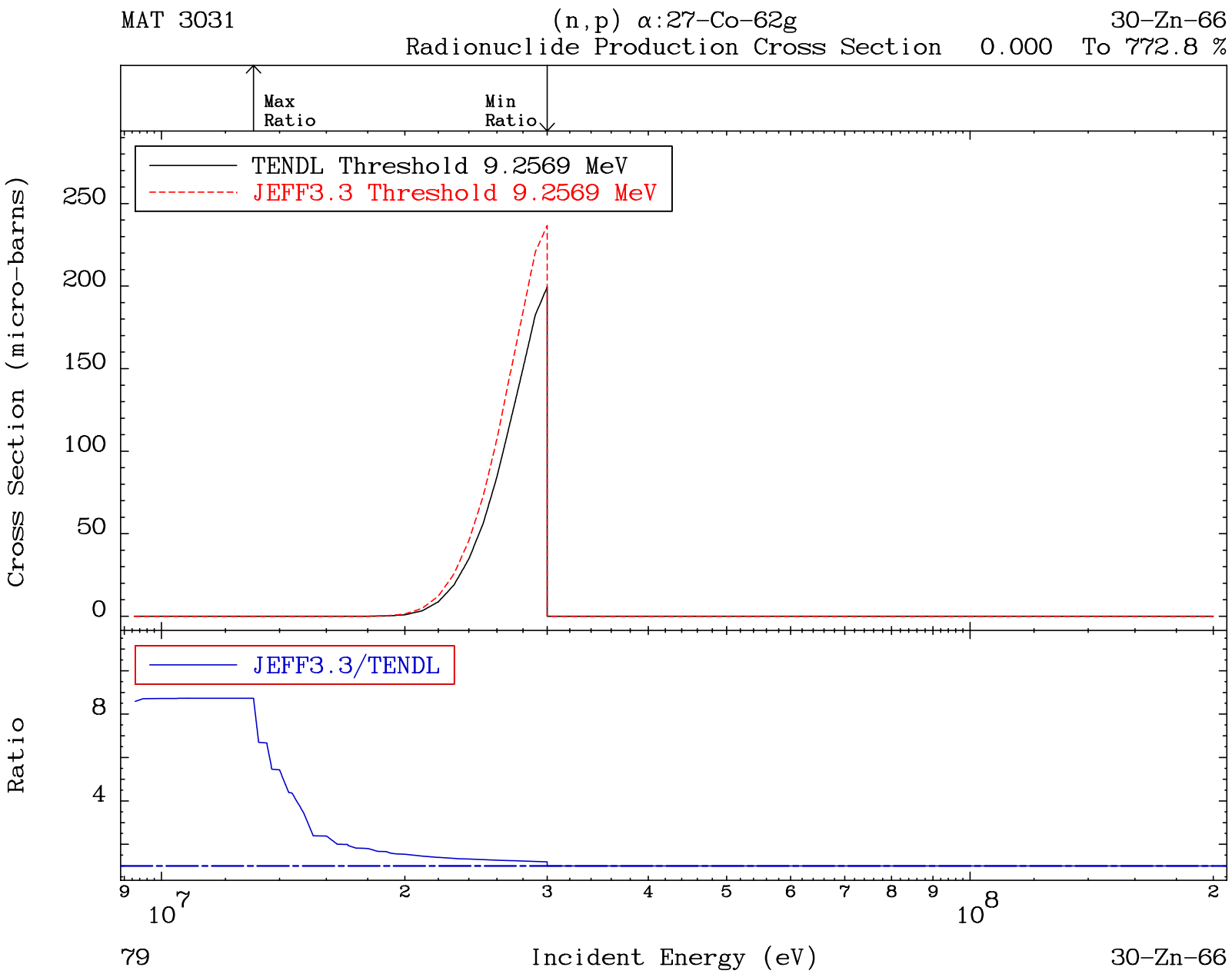

MAT 3031
Total kinematic kerma (high limit)
Cross Section
30-Zn-66
-99.19 To 3006. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
74
30-Zn-66

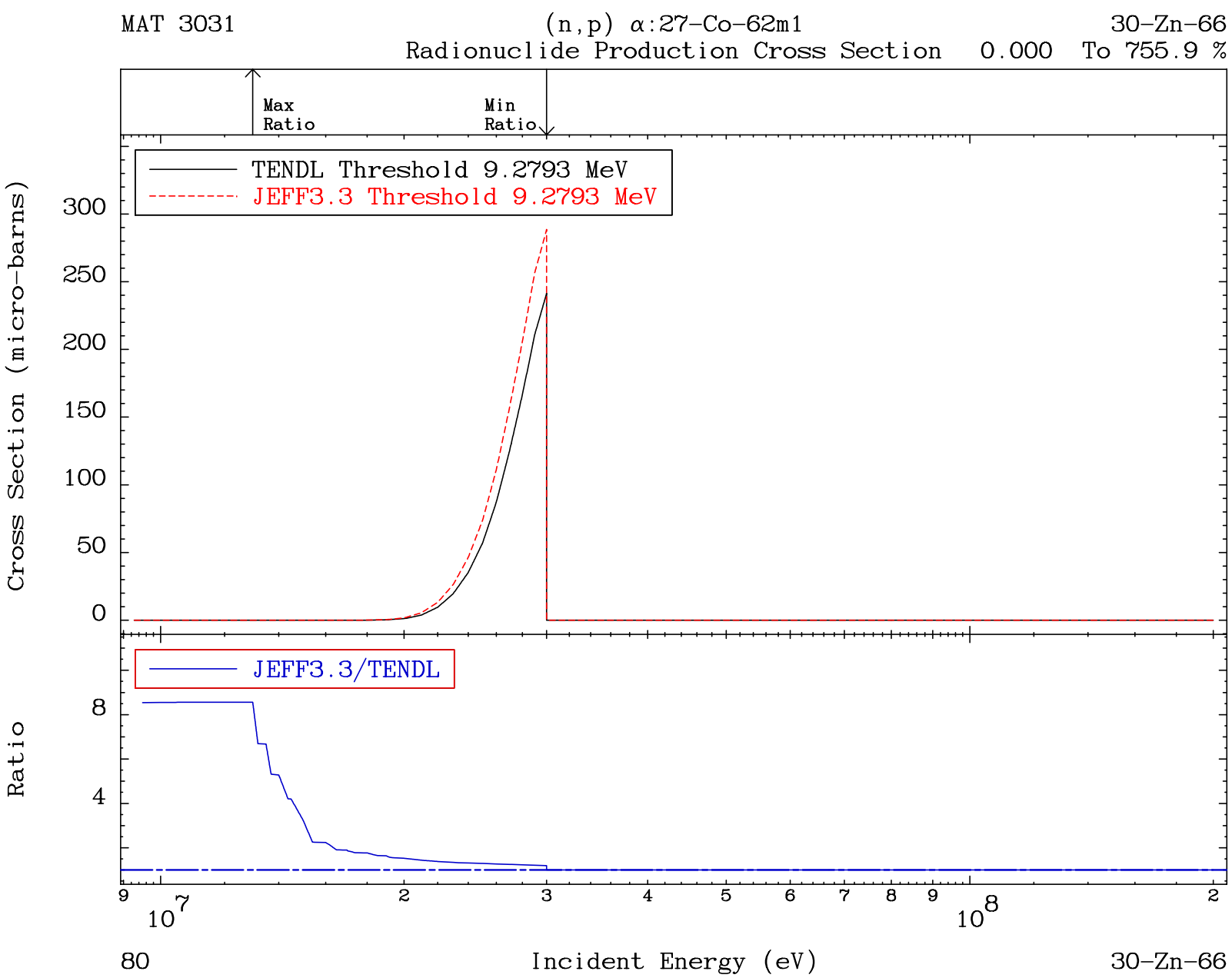

MAT 3031
Dpa total (eV-barns)
Cross Section
30-Zn-66
-99.19 To 3057. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
75
30-Zn-66


MAT 3031
Dpa elastic (mt2)
Cross Section
30-Zn-66
-99.19 To 5993. %
Max Ratio
Min Ratio
TENDL Threshold 422.82 eV
JEFF3.3 Threshold 420.07 eV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
76
30-Zn-66


MAT 3031
Dpa inelastic (mt51-91)
Cross Section
30-Zn-66
-1.604 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 1.0551 MeV
JEFF3.3 Threshold 1.0551 MeV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
77
30-Zn-66


MAT 3031
Dpa disappearance (mt102 -120)
Cross Section
30-Zn-66
-99.09 To 3601. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
78
30-Zn-66


MAT 3031
(n,p) α:27-Co-62g
30-Zn-66
Radionuclide Production Cross Section 0.000 To 772.8 %
Max Ratio
Min Ratio
TENDL Threshold 9.2569 MeV
JEFF3.3 Threshold 9.2569 MeV
Cross Section (micro-barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
8
4
9
10^7
2
3
4
5
6
7
8
9
10^8
2
79
Incident Energy (eV)
30-Zn-66


MAT 3031
(n,p) α:27-Co-62m1
30-Zn-66
Radionuclide Production Cross Section 0.000 To 755.9 %
Max Ratio
Min Ratio
TENDL Threshold 9.2793 MeV
JEFF3.3 Threshold 9.2793 MeV
Cross Section (micro-barns)
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
8
4
9
2
3
4
5
6
7
8
9
2
10^7
10^8
80
Incident Energy (eV)
30-Zn-66