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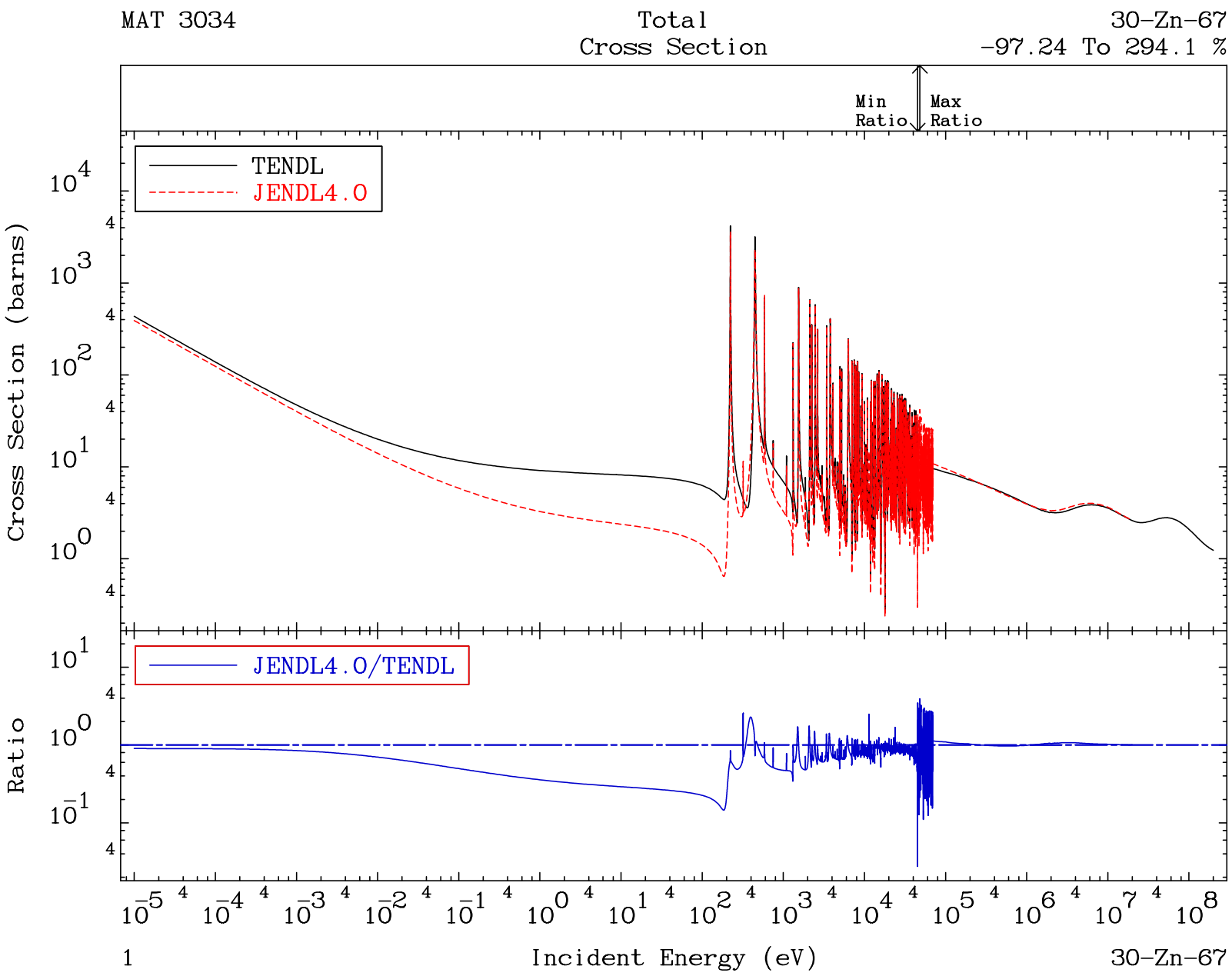
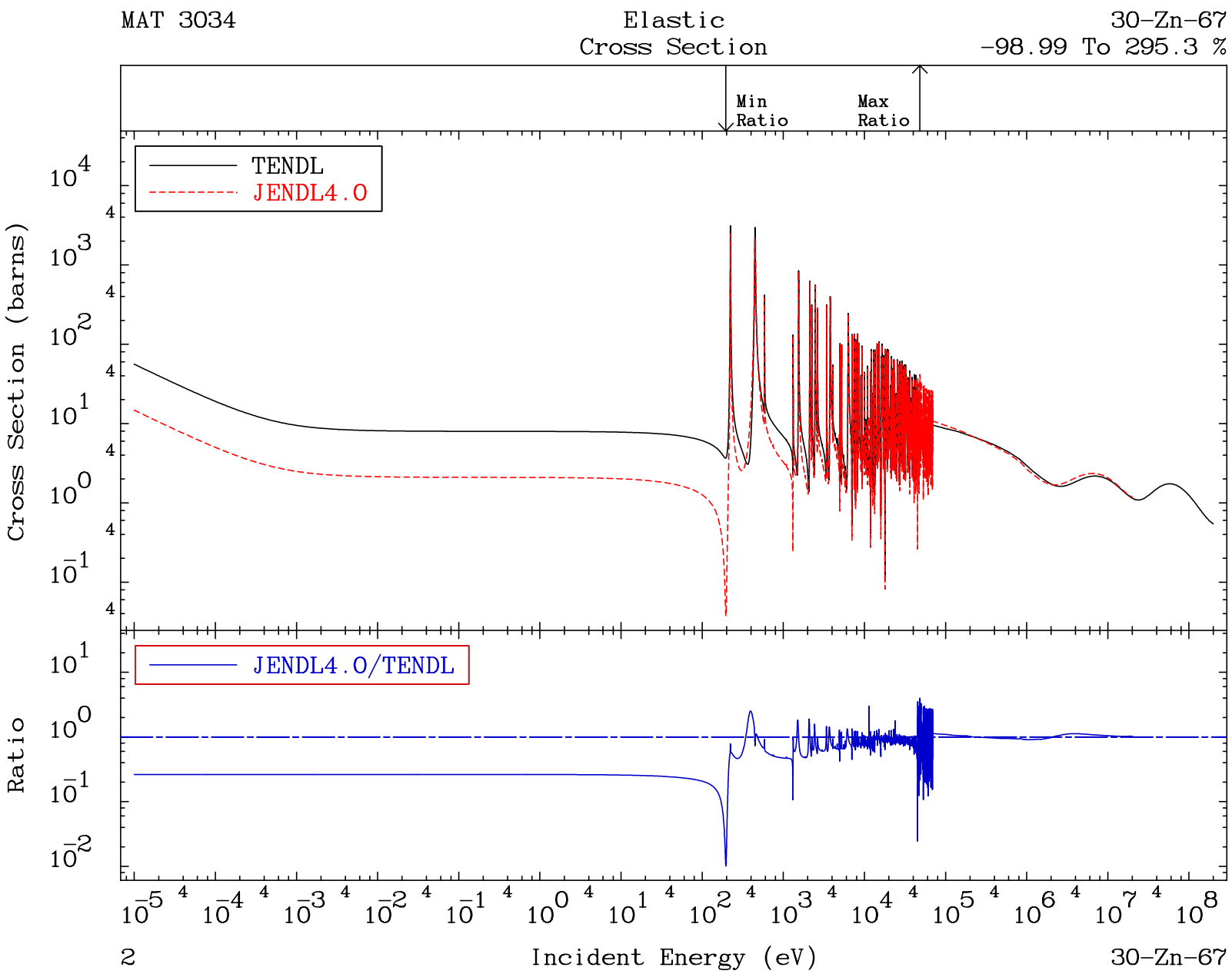
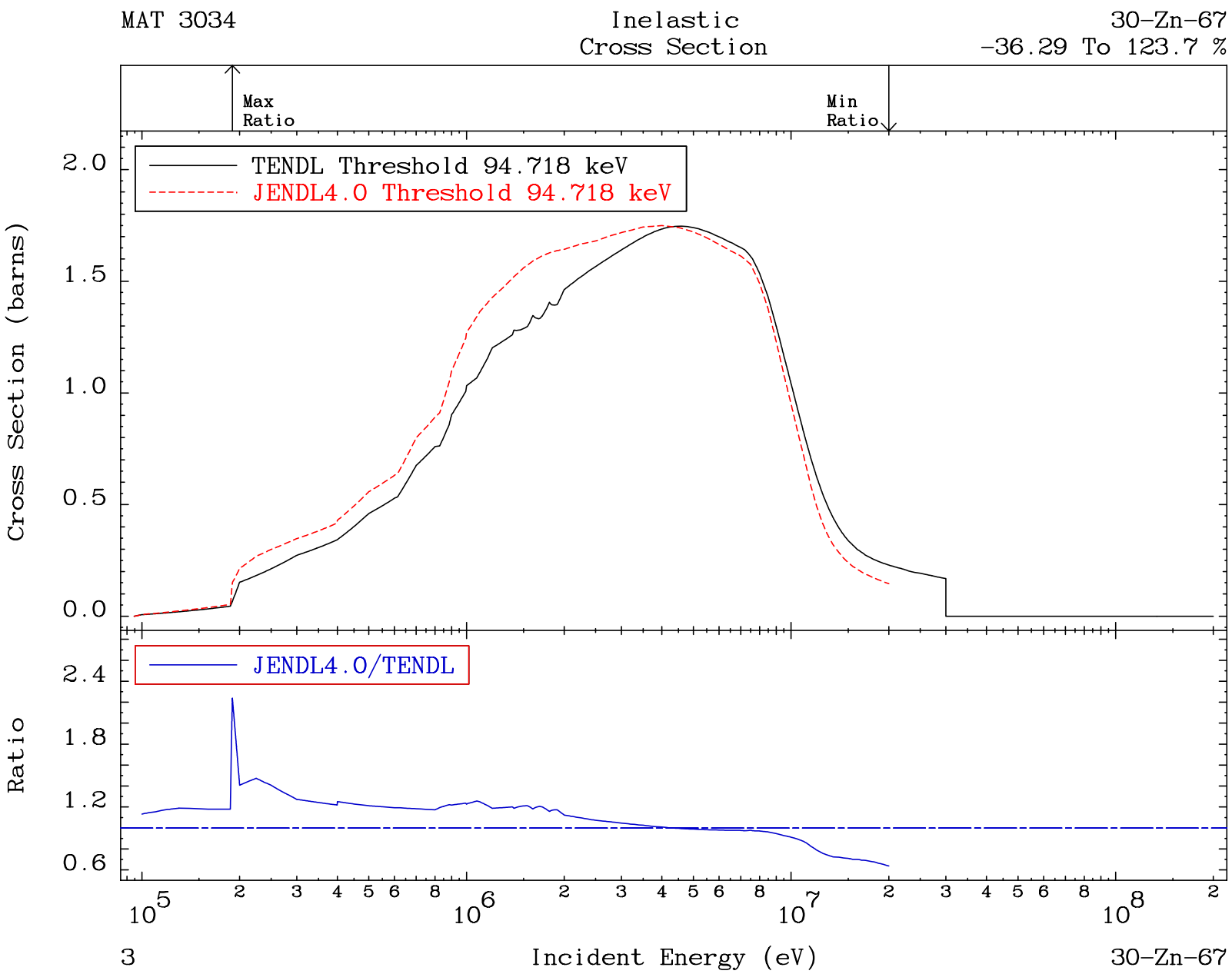
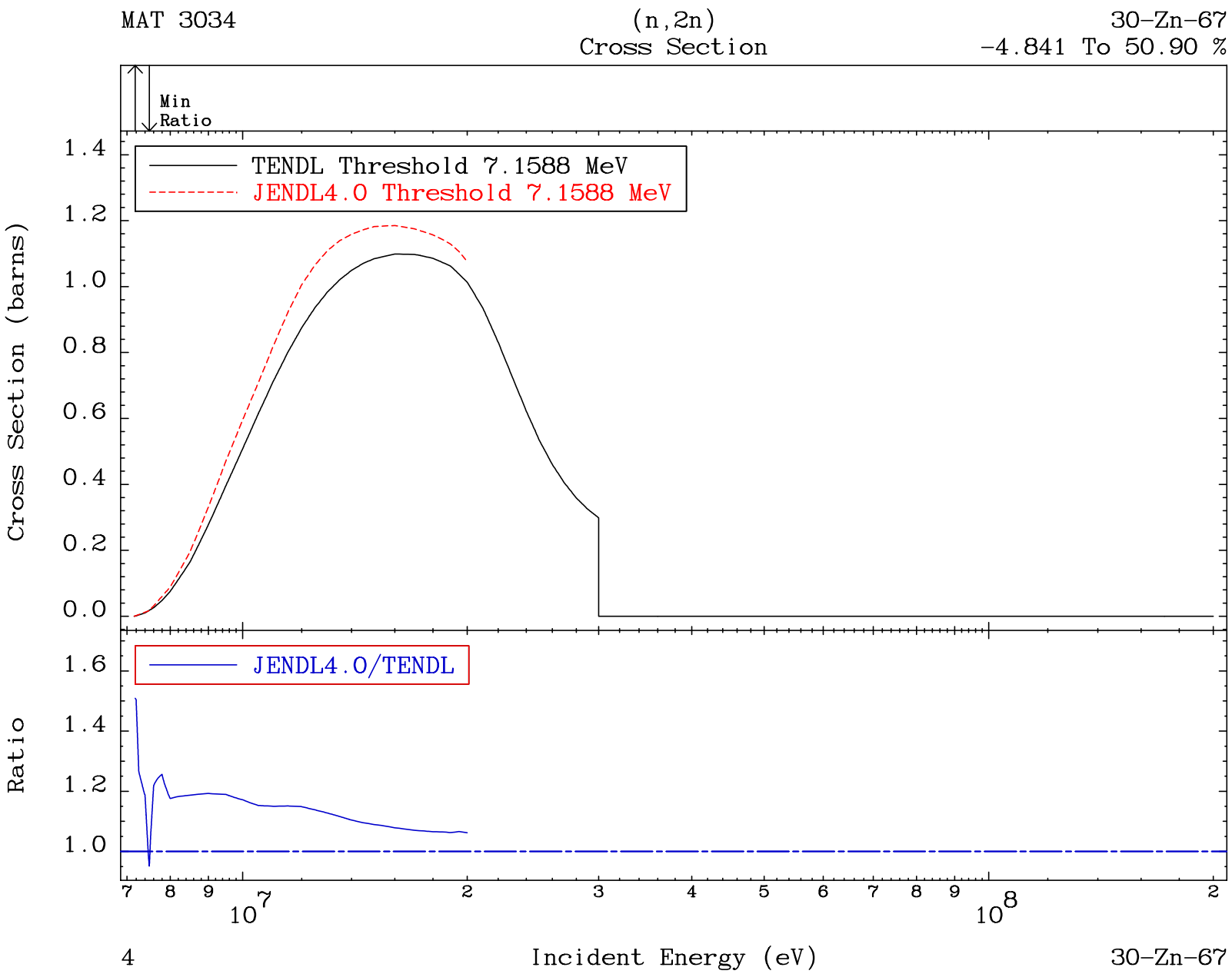
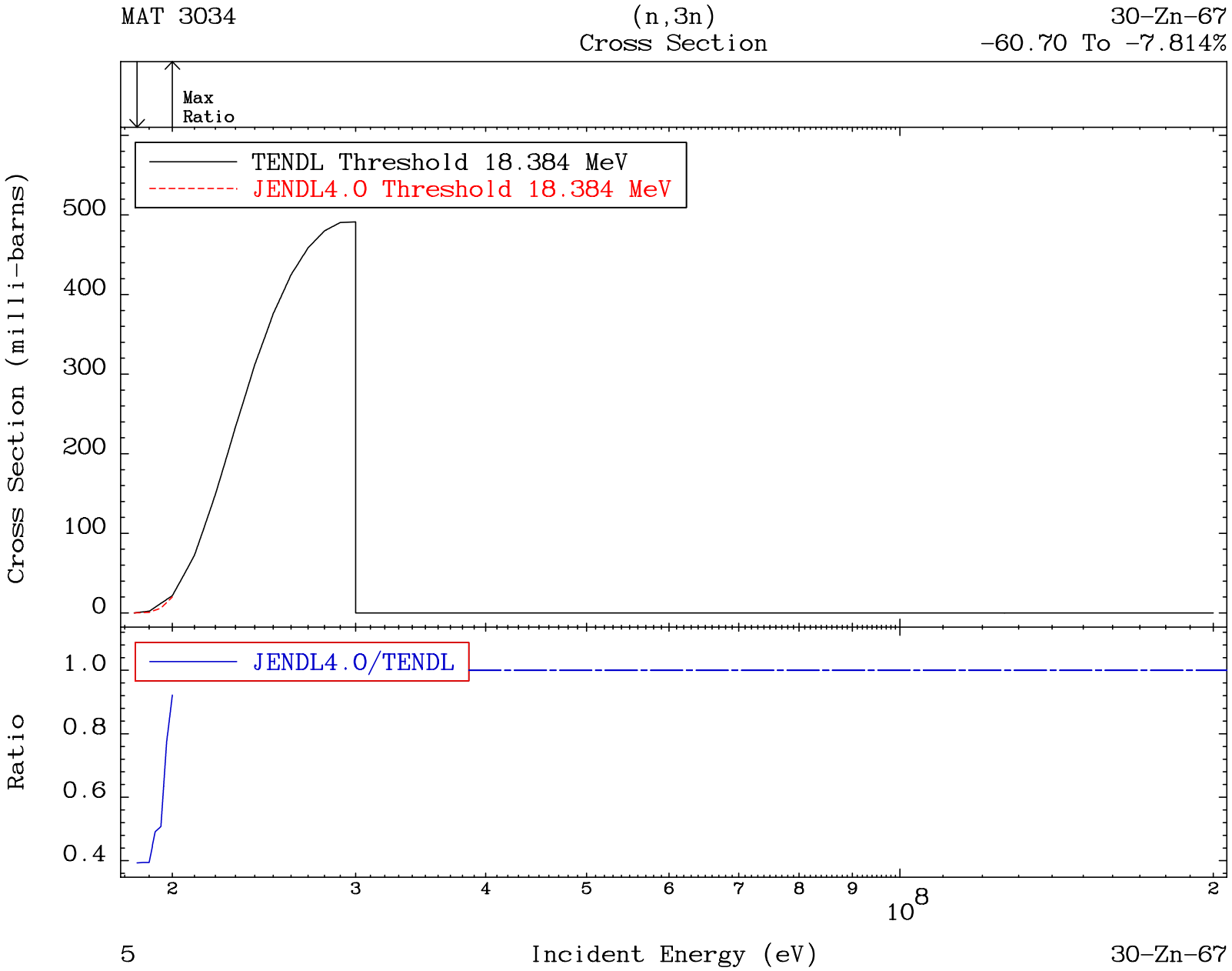
Press Mouse Button to Start

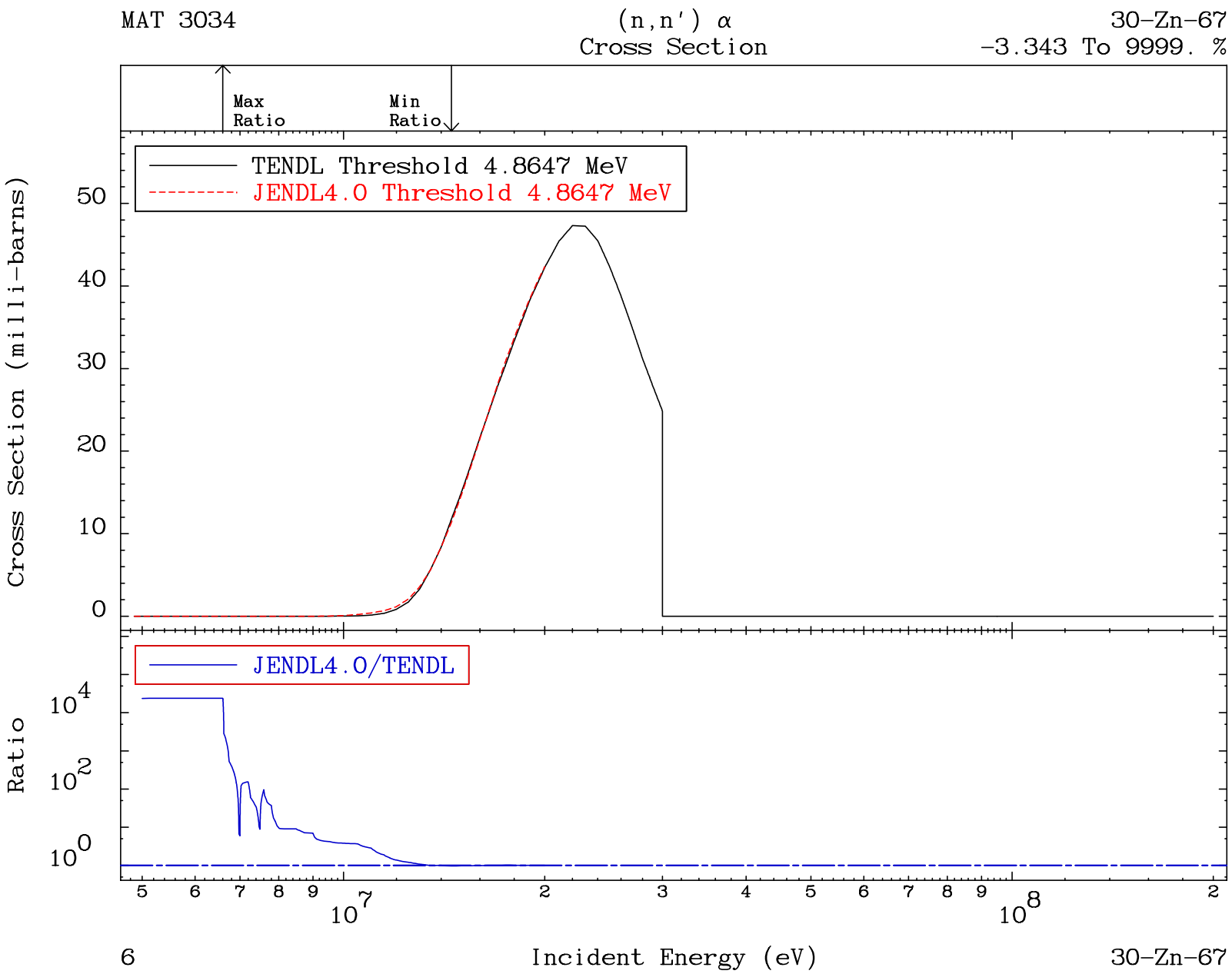

MAT 3034
Total
Cross Section
30-Zn-67
-97.24 To 294.1 %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
1
30-Zn-67

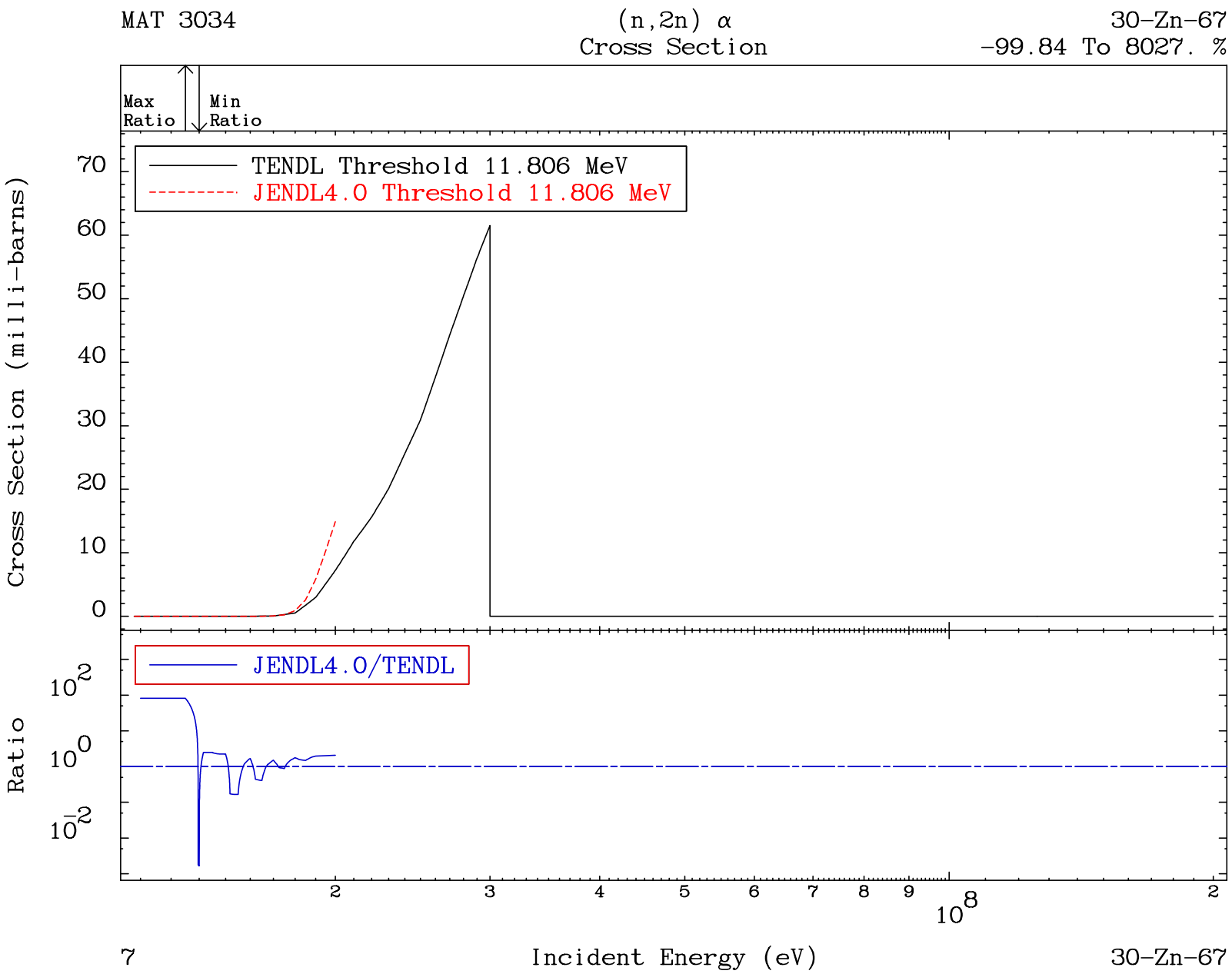

MAT 3034
Elastic
Cross Section
30-Zn-67
-98.99 To 295.3 %
Min
Ratio
Max
Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
2
30-Zn-67

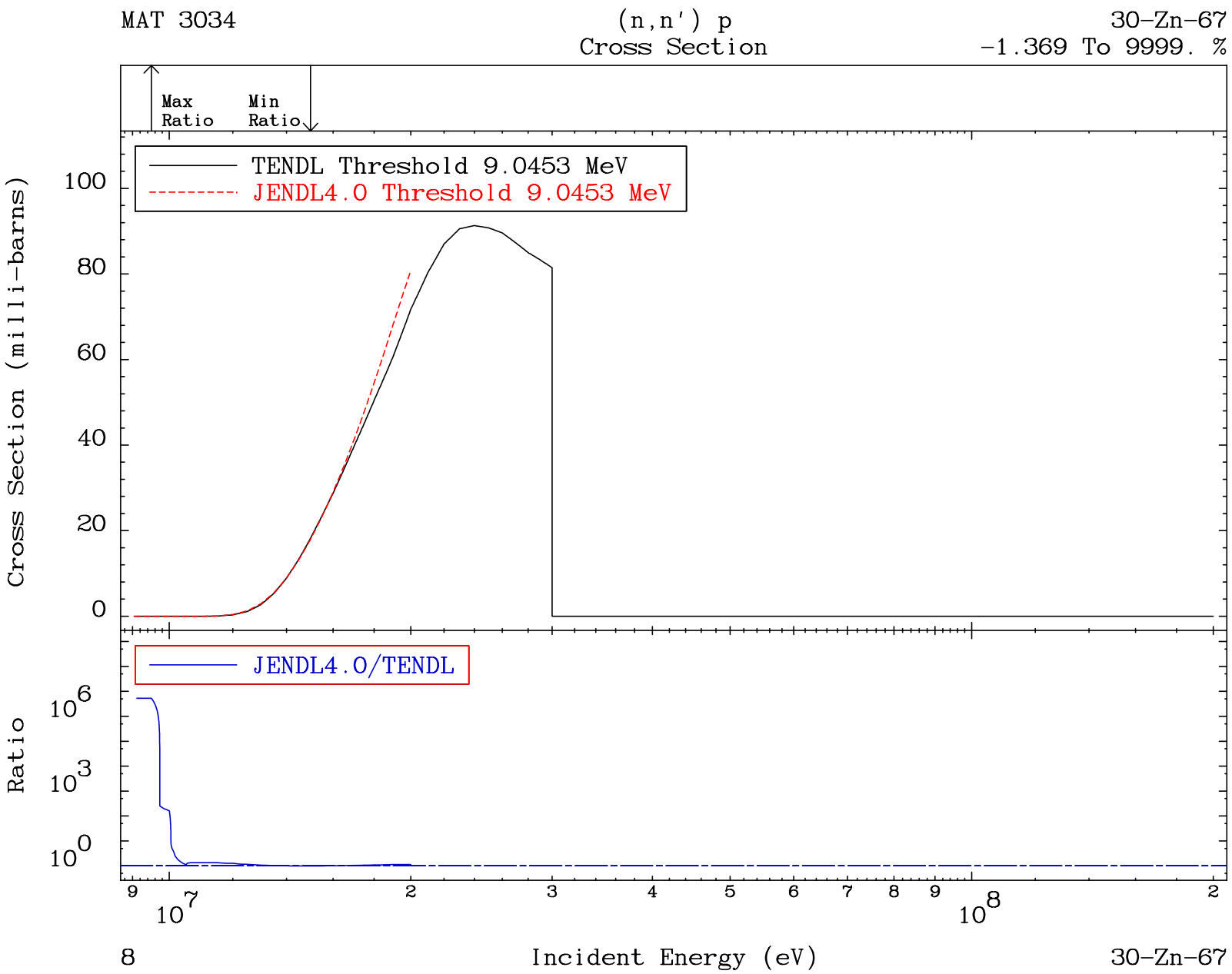

MAT 3034
Inelastic
Cross Section
30-Zn-67
-36.29 To 123.7 %
Max
Ratio
Min
Ratio
TENDL Threshold 94.718 keV
JENDL4.0 Threshold 94.718 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JENDL4.0/TENDL
Ratio
2.4
1.8
1.2
0.6
10^5
10^6
10^7
10^8
Incident Energy (eV)
3
30-Zn-67

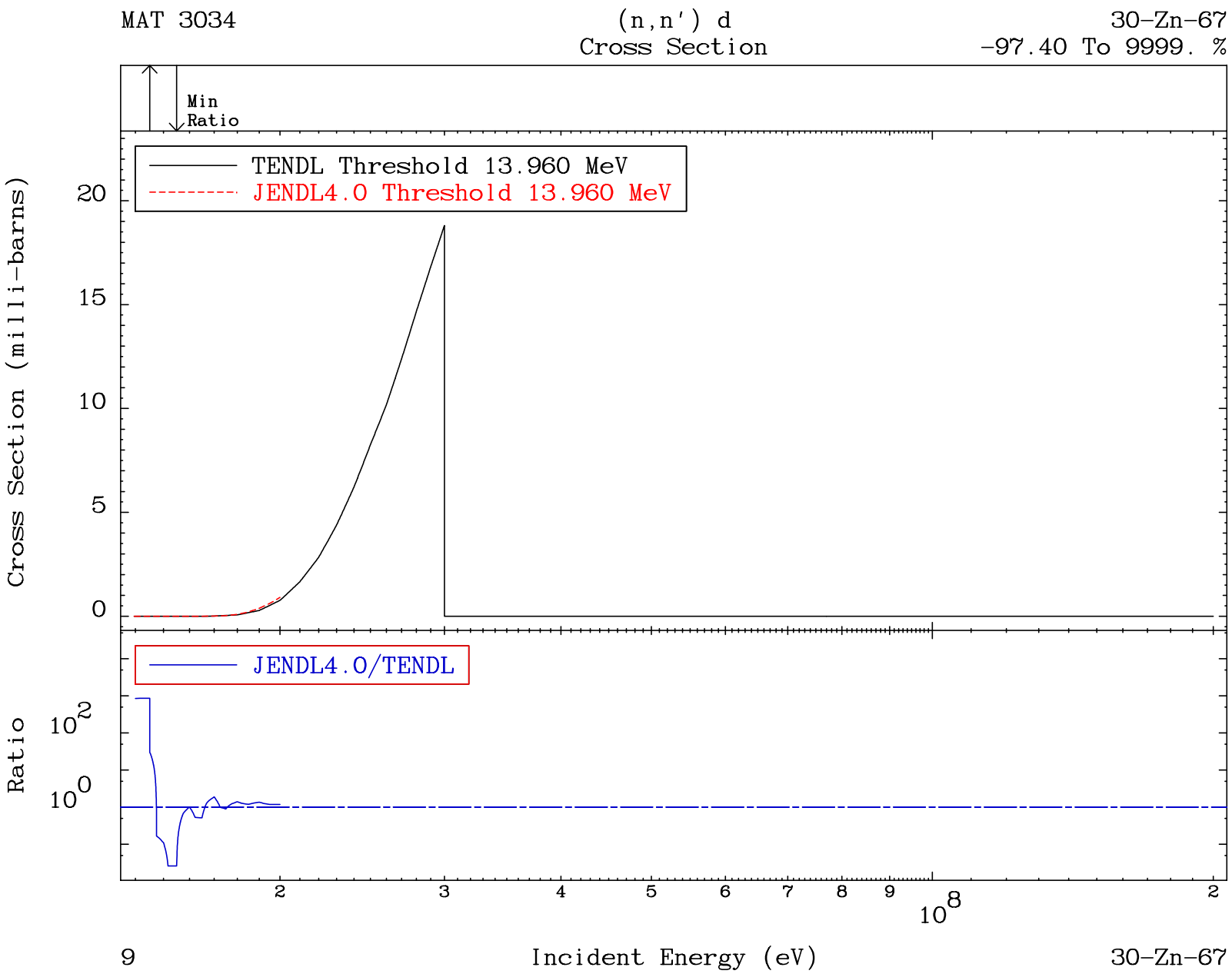

MAT 3034
(n,2n)
Cross Section
30-Zn-67
-4.841 To 50.90 %
Min
Ratio
TENDL Threshold 7.1588 MeV
JENDL4.0 Threshold 7.1588 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL4.0/TENDL
Ratio
1.6
1.4
1.2
1.0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
4
Incident Energy (eV)
30-Zn-67

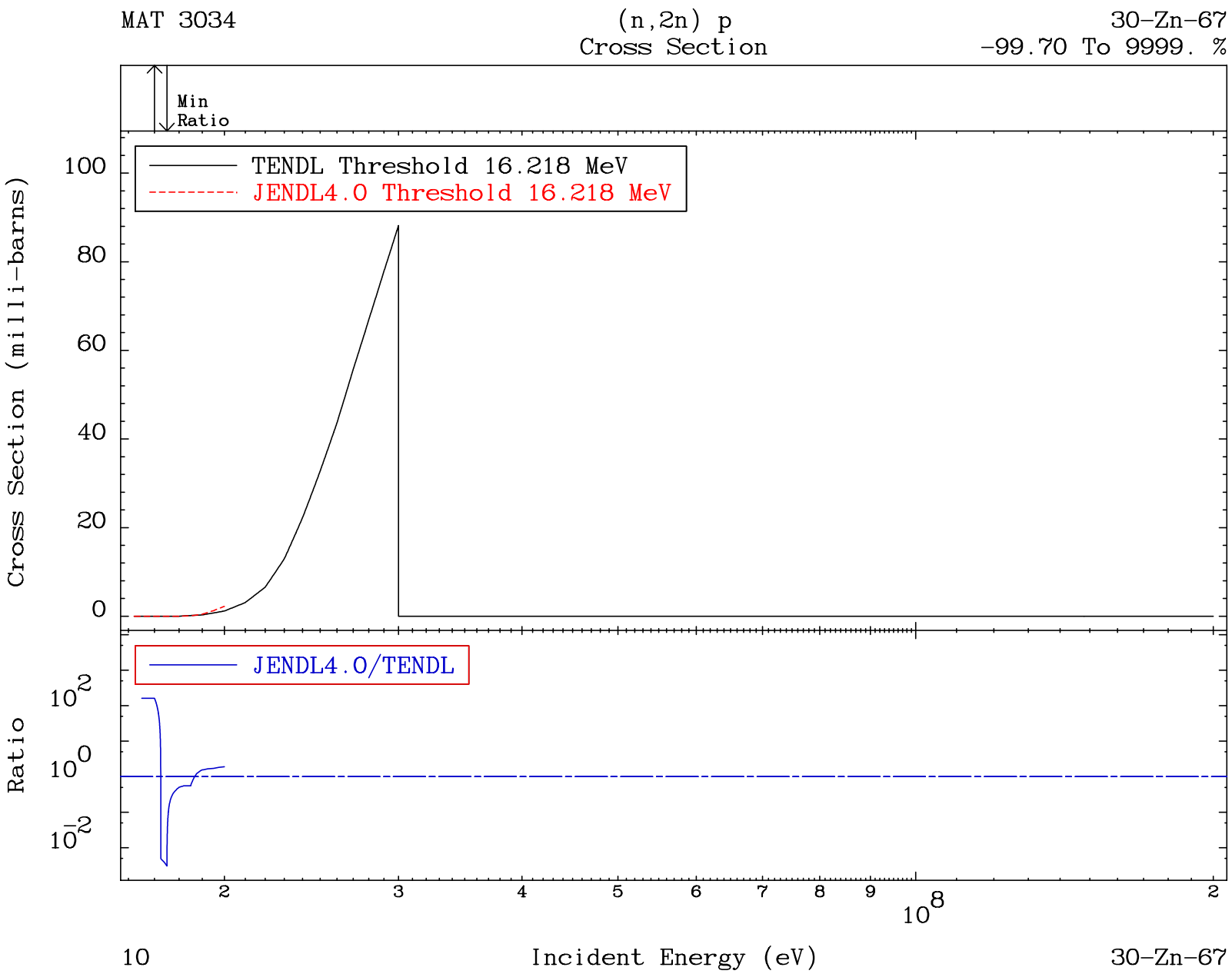

MAT 3034
(n,3n)
Cross Section
30-Zn-67
-60.70 To -7.814%
Max
Ratio
TENDL Threshold 18.384 MeV
JENDL4.0 Threshold 18.384 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
JENDL4.0/TENDL
Ratio
1.0
0.8
0.6
0.4
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
30-Zn-67

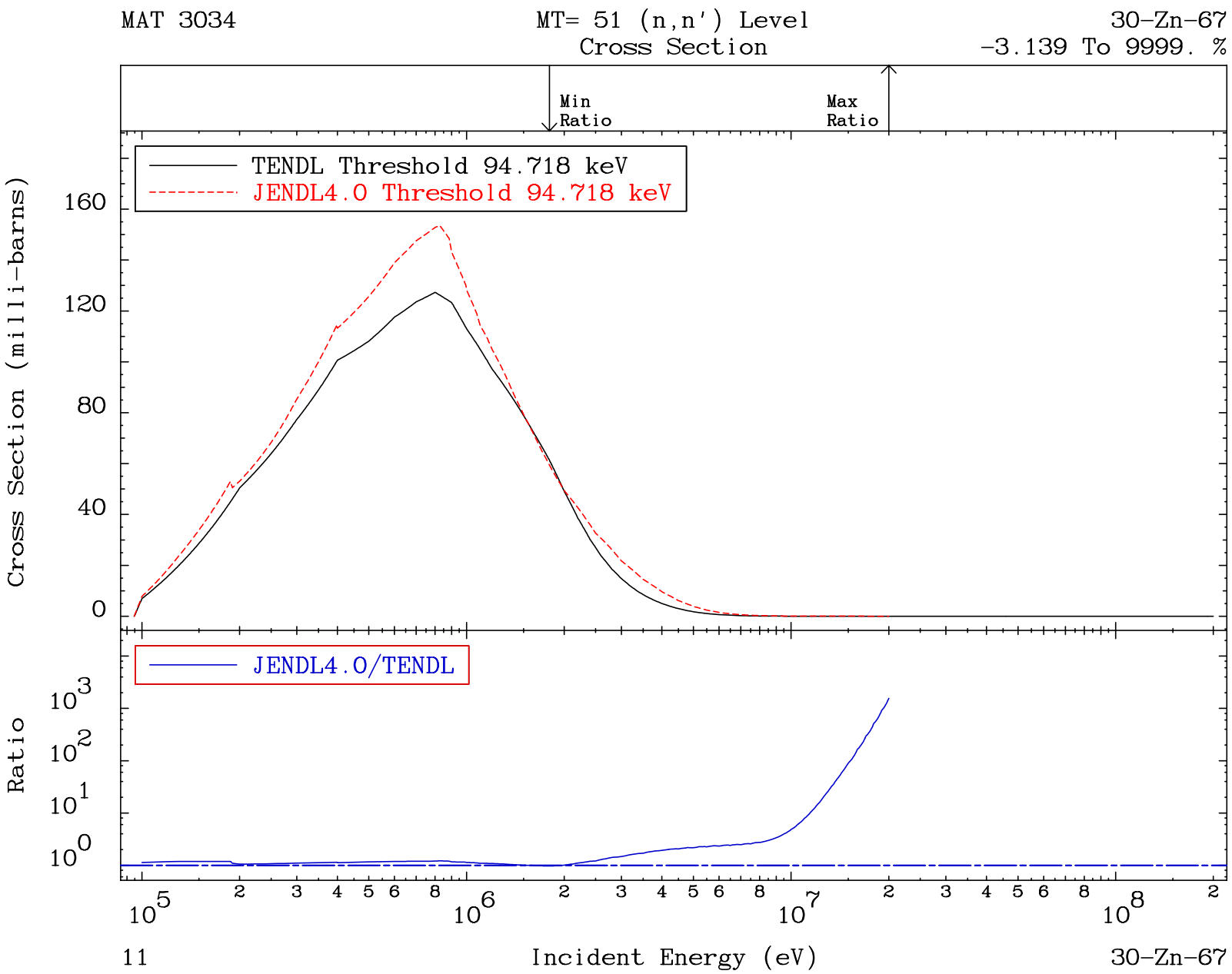

MAT 3034
(n,n') α
Cross Section
30-Zn-67
-3.343 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.8647 MeV
JENDL4.0 Threshold 4.8647 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^4
10^2
10^0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
6
Incident Energy (eV)
30-Zn-67

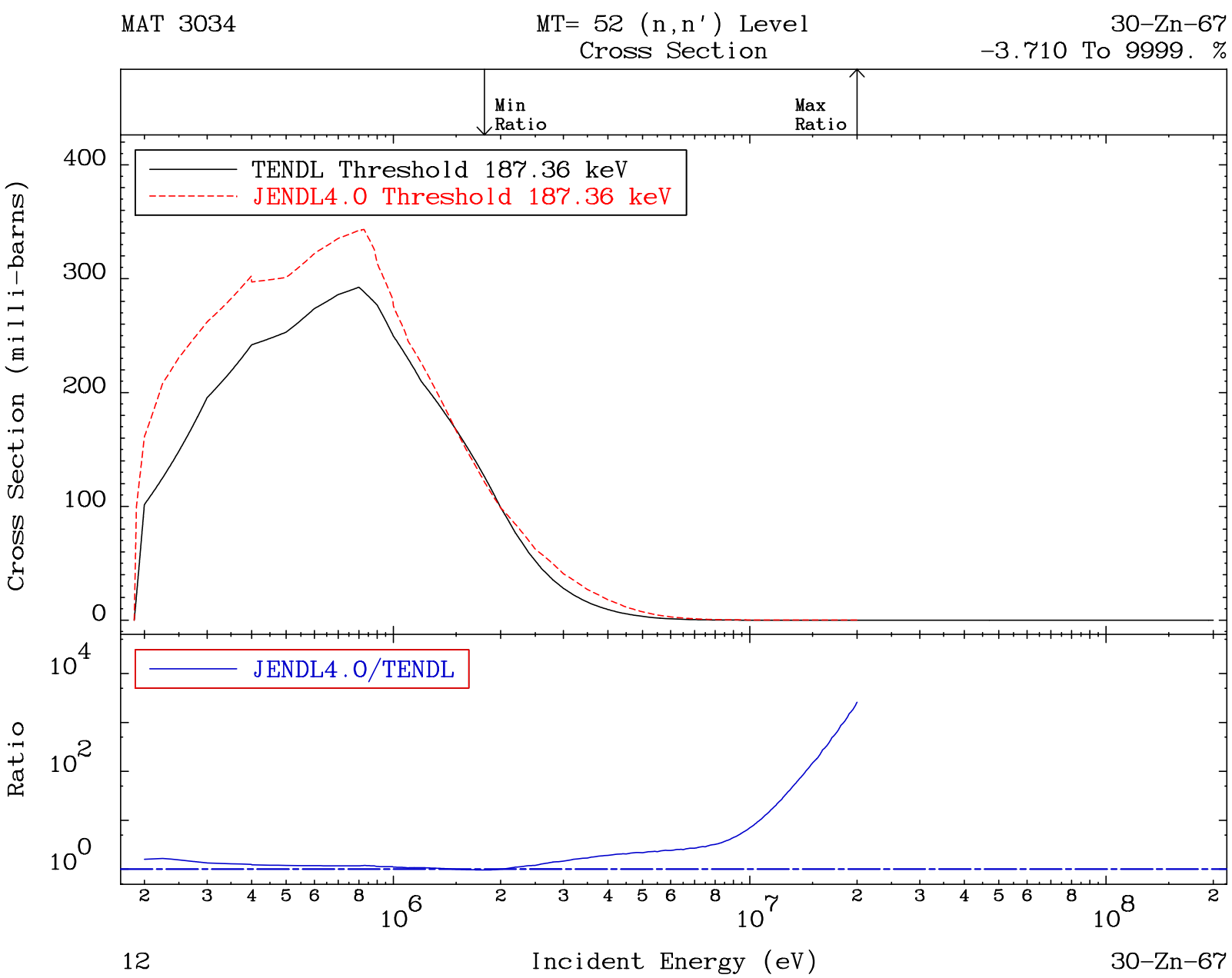

MAT 3034
(n,2n) α
Cross Section
30-Zn-67
-99.84 To 8027. %
Max Ratio
Min Ratio
TENDL Threshold 11.806 MeV
JENDL4.0 Threshold 11.806 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^2
10^0
10^-2
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
30-Zn-67

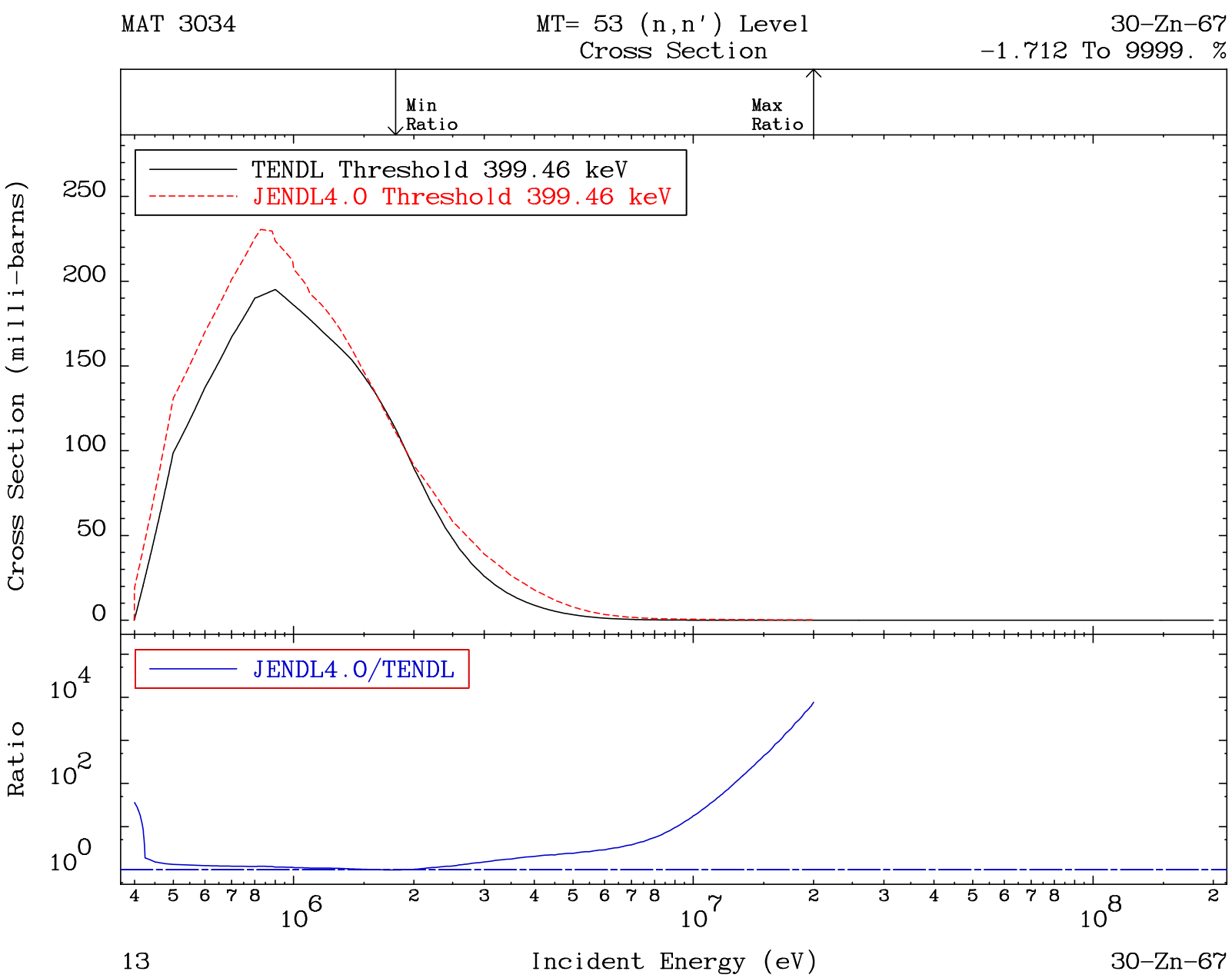

MAT 3034
(n,n') p
Cross Section
30-Zn-67
-1.369 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.0453 MeV
JENDL4.0 Threshold 9.0453 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^6
10^3
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
30-Zn-67

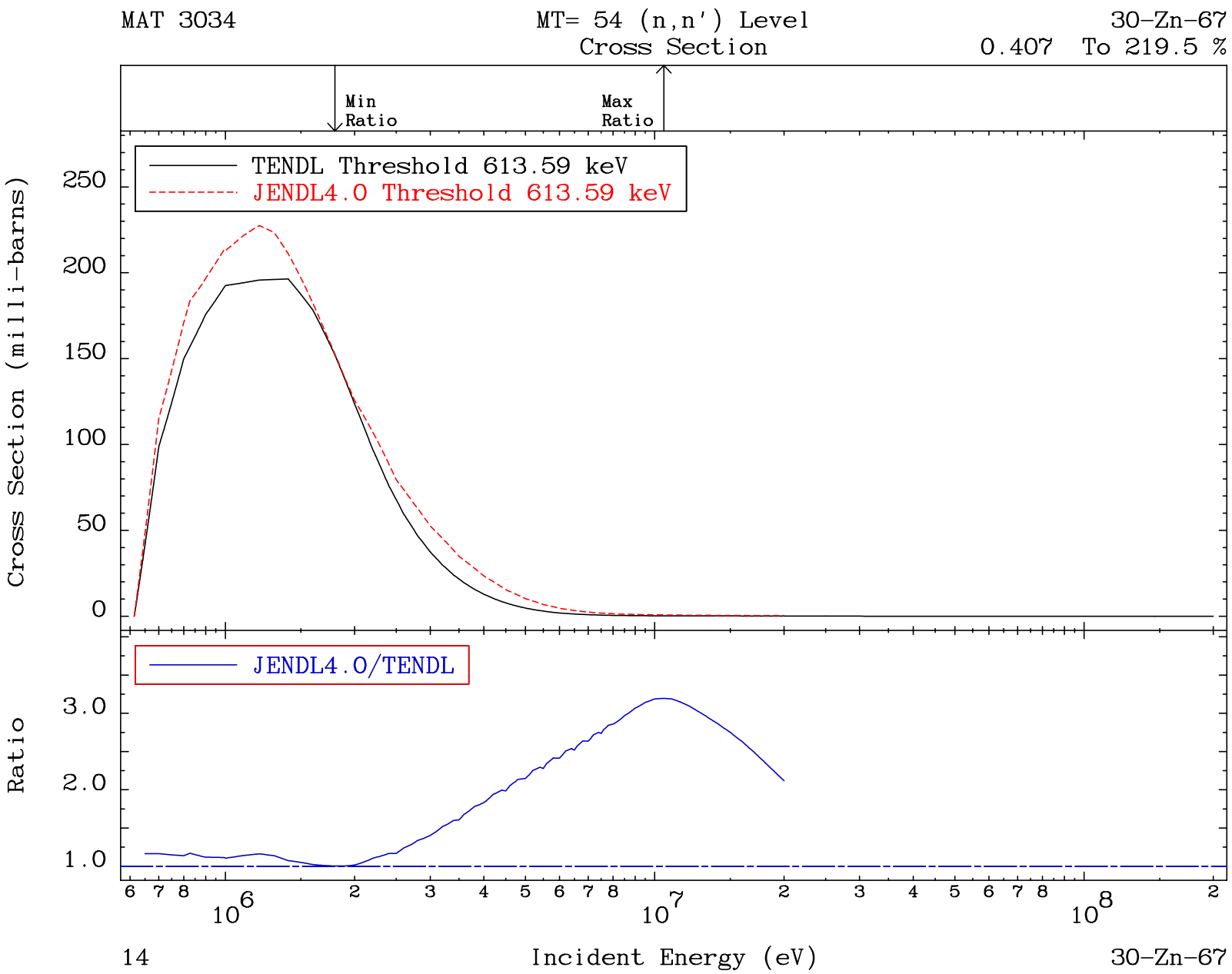

MAT 3034
(n,n') d
Cross Section
30-Zn-67
-97.40 To 9999. %
Min
Ratio
TENDL Threshold 13.960 MeV
JENDL4.0 Threshold 13.960 MeV
Cross Section (milli-barns)
20
15
10
5
0
JENDL4.0/TENDL
Ratio
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
30-Zn-67

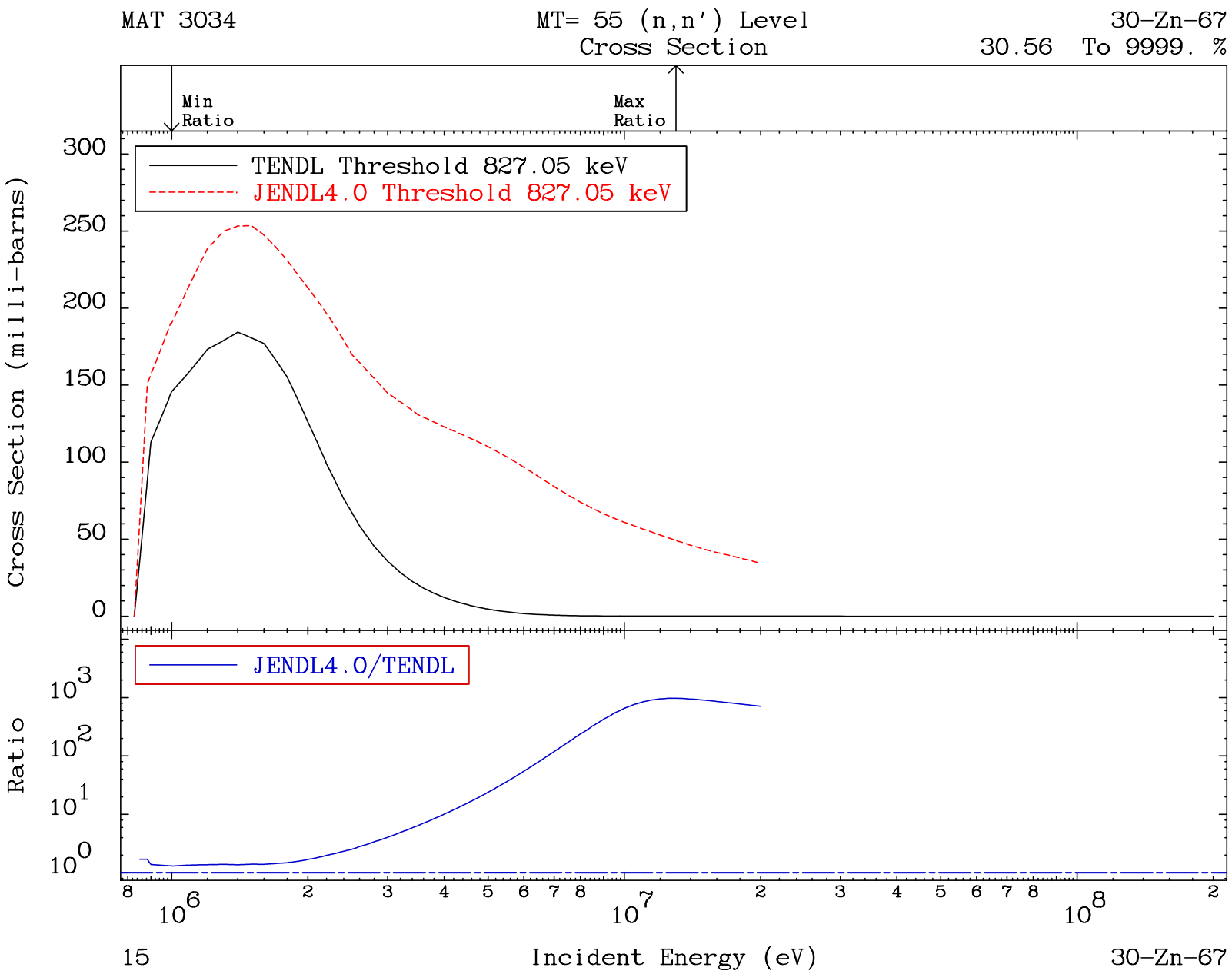

MAT 3034
(n,2n) p
Cross Section
30-Zn-67
-99.70 To 9999. %
Min
Ratio
TENDL Threshold 16.218 MeV
JENDL4.0 Threshold 16.218 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^2
10^0
10^-2
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
30-Zn-67

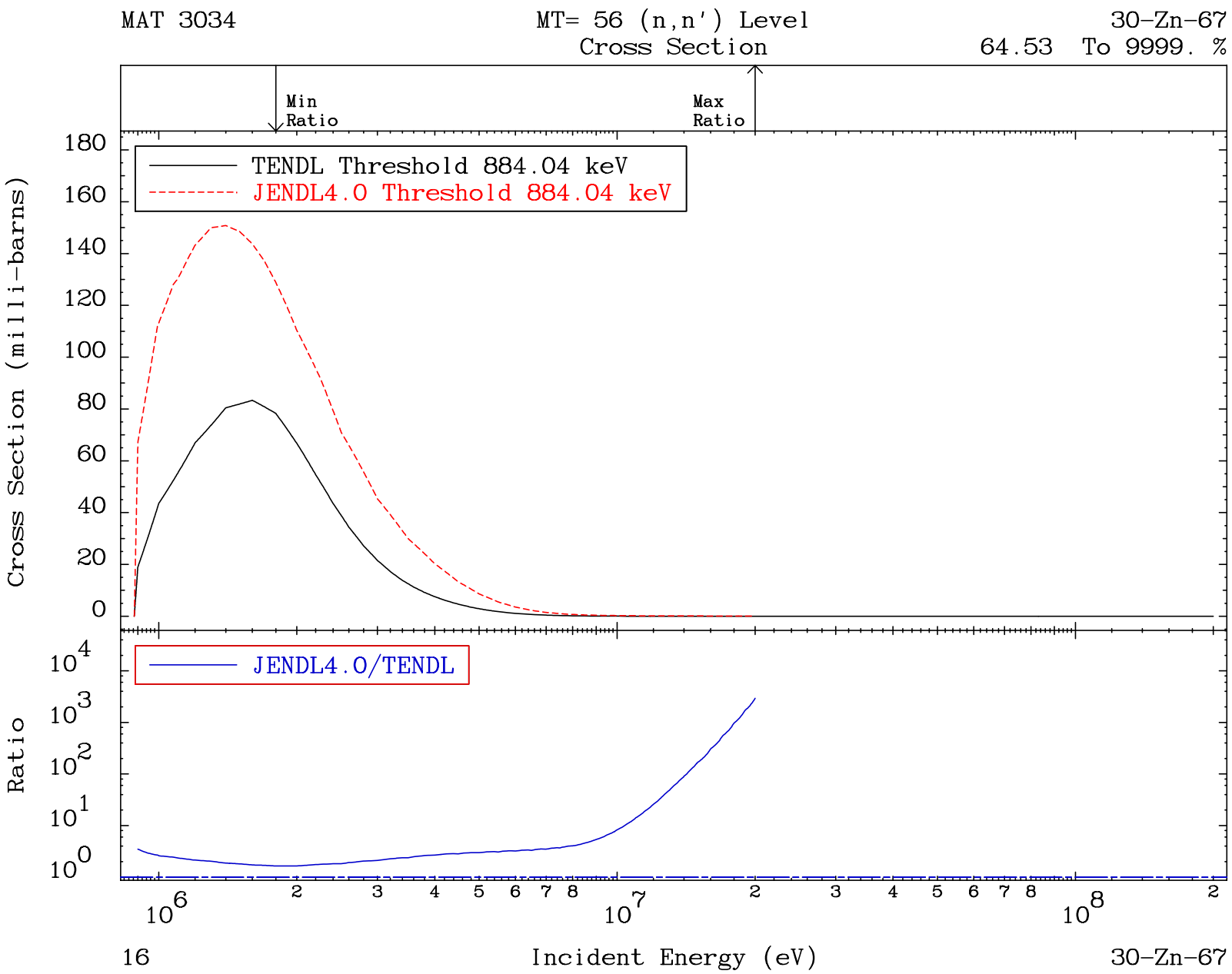

MAT 3034
MT= 51 (n,n') Level
Cross Section
30-Zn-67
-3.139 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 94.718 keV
JENDL4.0 Threshold 94.718 keV
Cross Section (milli-barns)
160
120
80
40
0
JENDL4.0/TENDL
Ratio
10^3
10^2
10^1
10^0
10^5
2
3
4
5
6
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
11
Incident Energy (eV)
30-Zn-67

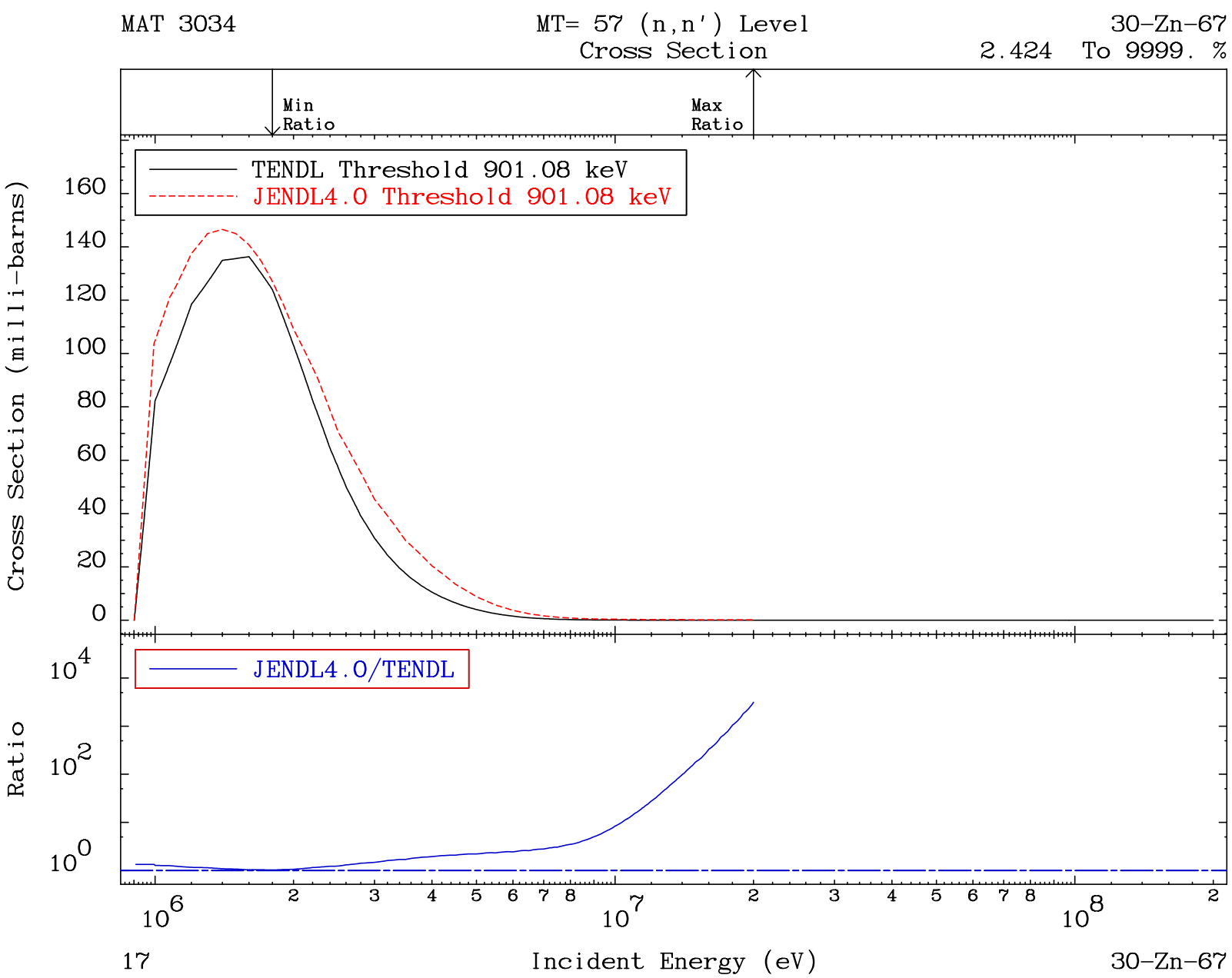

MAT 3034
MT= 52 (n,n') Level
Cross Section
30-Zn-67
-3.710 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 187.36 keV
JENDL4.0 Threshold 187.36 keV
Cross Section (milli-barns)
400
300
200
100
0
JENDL4.0/TENDL
Ratio
10^4
10^2
10^0
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
12
Incident Energy (eV)
30-Zn-67

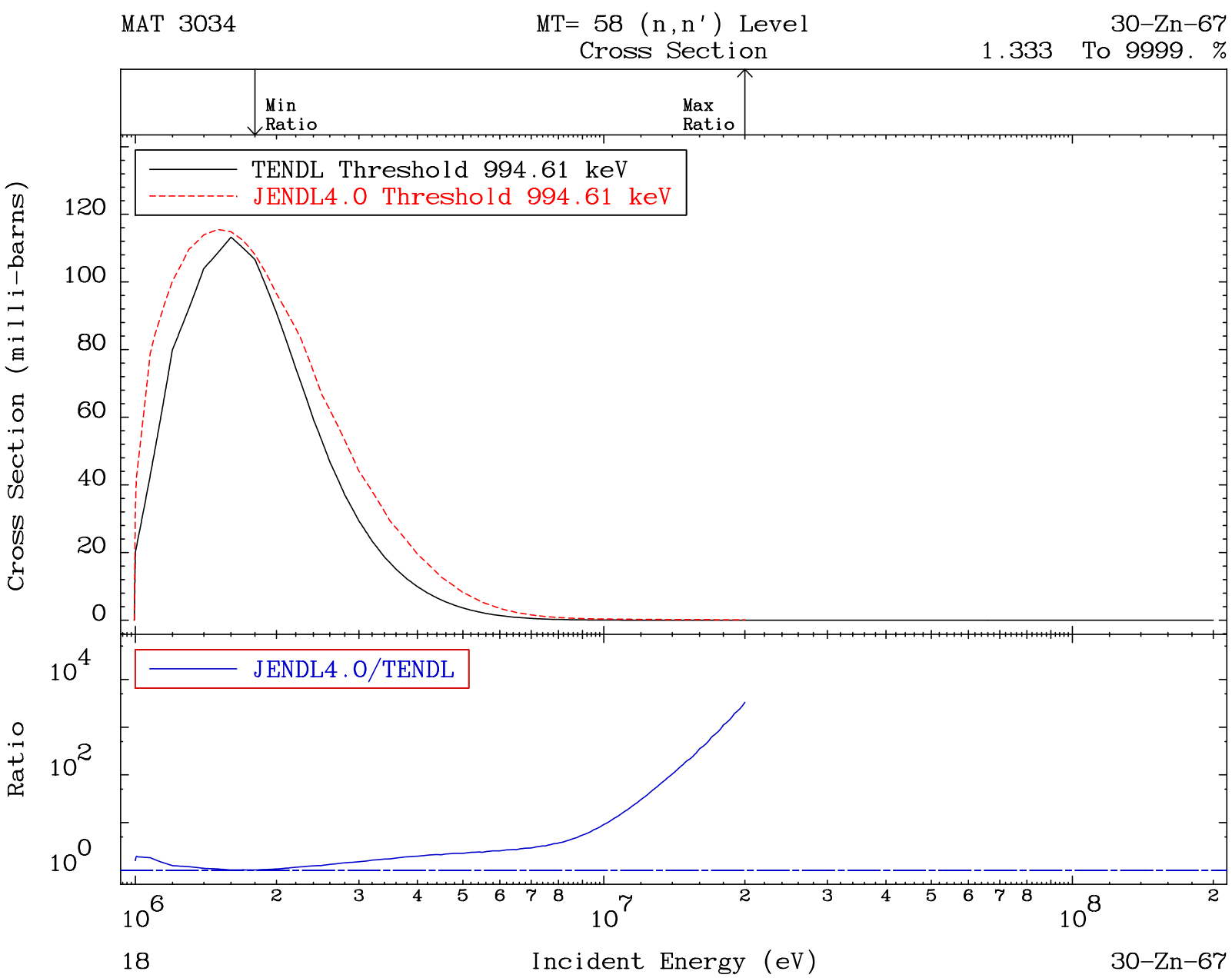

MAT 3034
MT= 53 (n,n') Level
Cross Section
30-Zn-67
-1.712 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 399.46 keV
JENDL4.0 Threshold 399.46 keV
Cross Section (milli-barns)
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^4
10^2
10^0
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
30-Zn-67

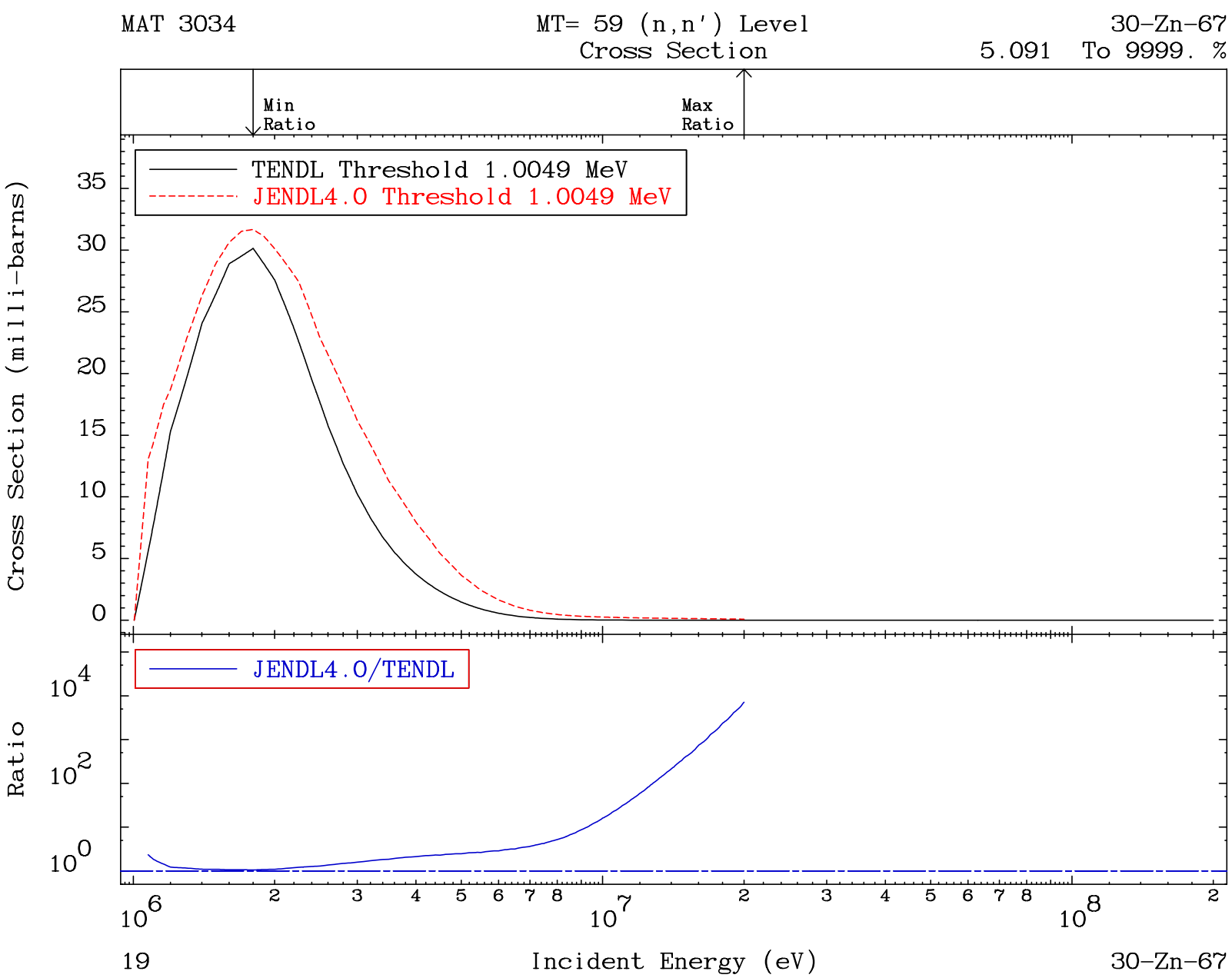

MAT 3034
MT= 54 (n,n') Level
Cross Section
30-Zn-67
0.407 To 219.5 %
Min Ratio
Max Ratio
TENDL Threshold 613.59 keV
JENDL4.0 Threshold 613.59 keV
Cross Section (milli-barns)
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
3.0
2.0
1.0
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
30-Zn-67

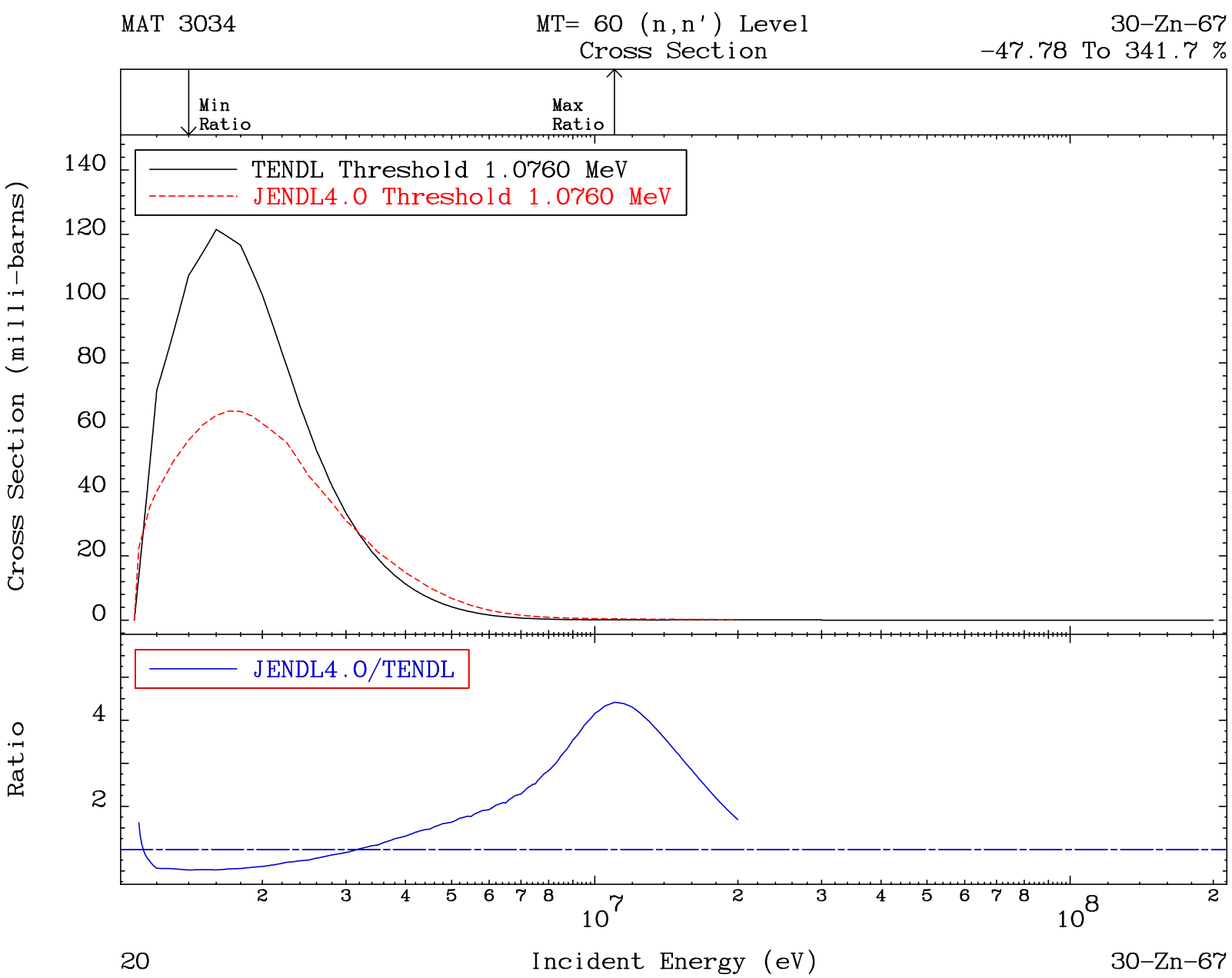

MAT 3034
MT= 55 (n,n') Level
Cross Section
30-Zn-67
30.56 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 827.05 keV
JENDL4.0 Threshold 827.05 keV
Cross Section (milli-barns)
300
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^3
10^2
10^1
10^0
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
15
Incident Energy (eV)
30-Zn-67

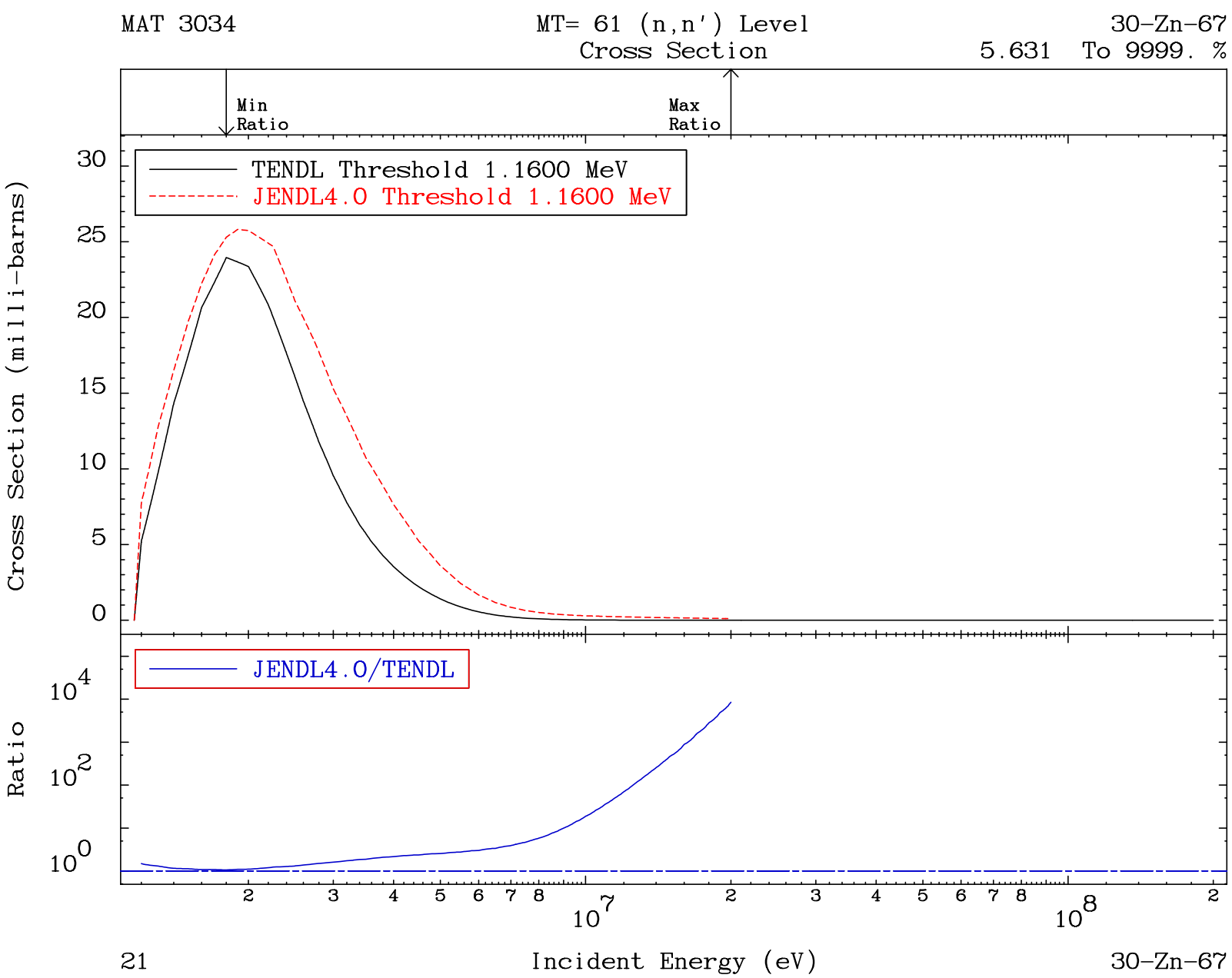

MAT 3034
MT= 56 (n,n') Level
Cross Section
30-Zn-67
64.53 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 884.04 keV
JENDL4.0 Threshold 884.04 keV
Cross Section (milli-barns)
180
160
140
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^4
10^3
10^2
10^1
10^0
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
16
Incident Energy (eV)
30-Zn-67

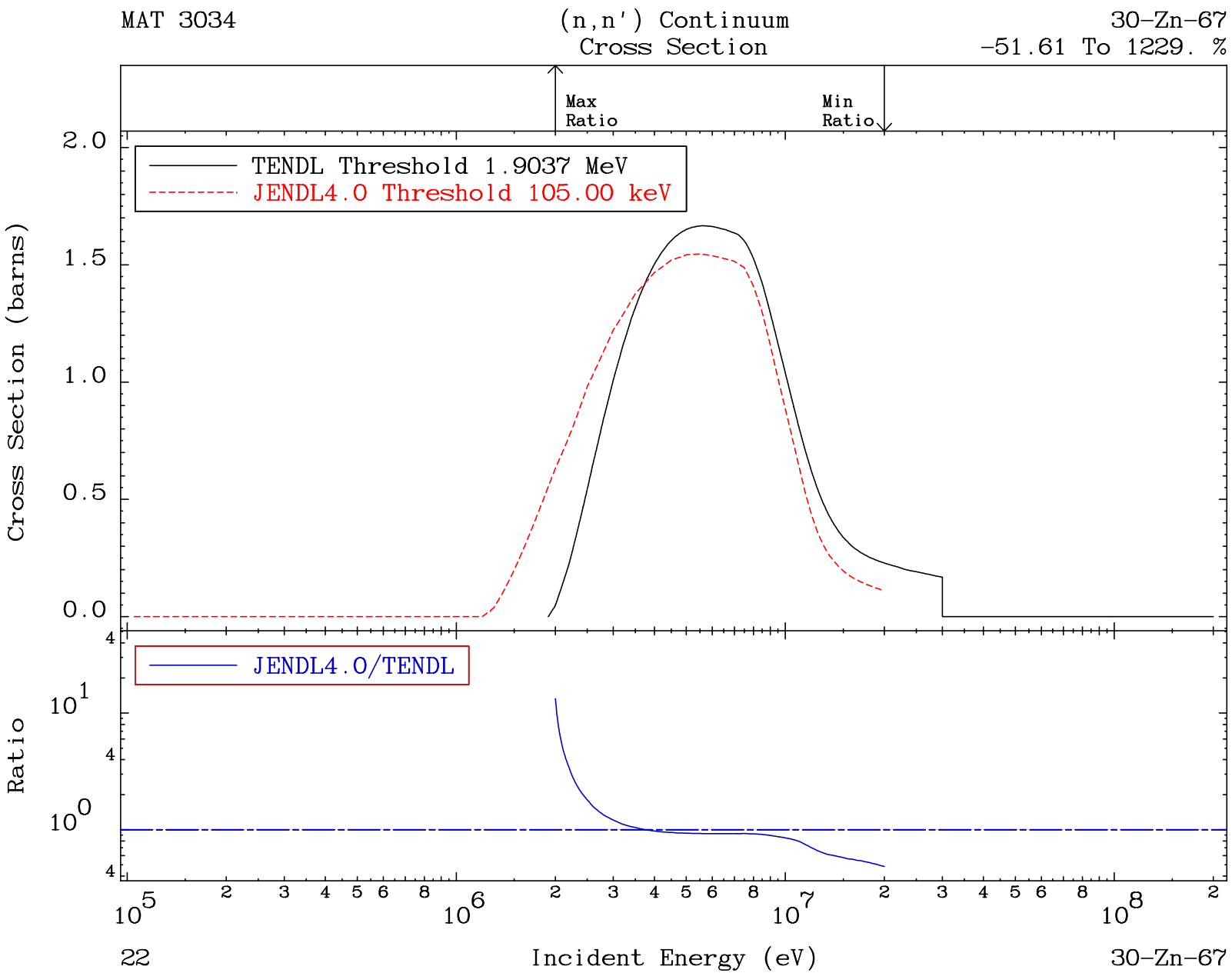

MAT 3034
MT= 57 (n,n') Level
Cross Section
30-Zn-67
2.424 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 901.08 keV
JENDL4.0 Threshold 901.08 keV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^4
10^2
10^0
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
17
Incident Energy (eV)
30-Zn-67

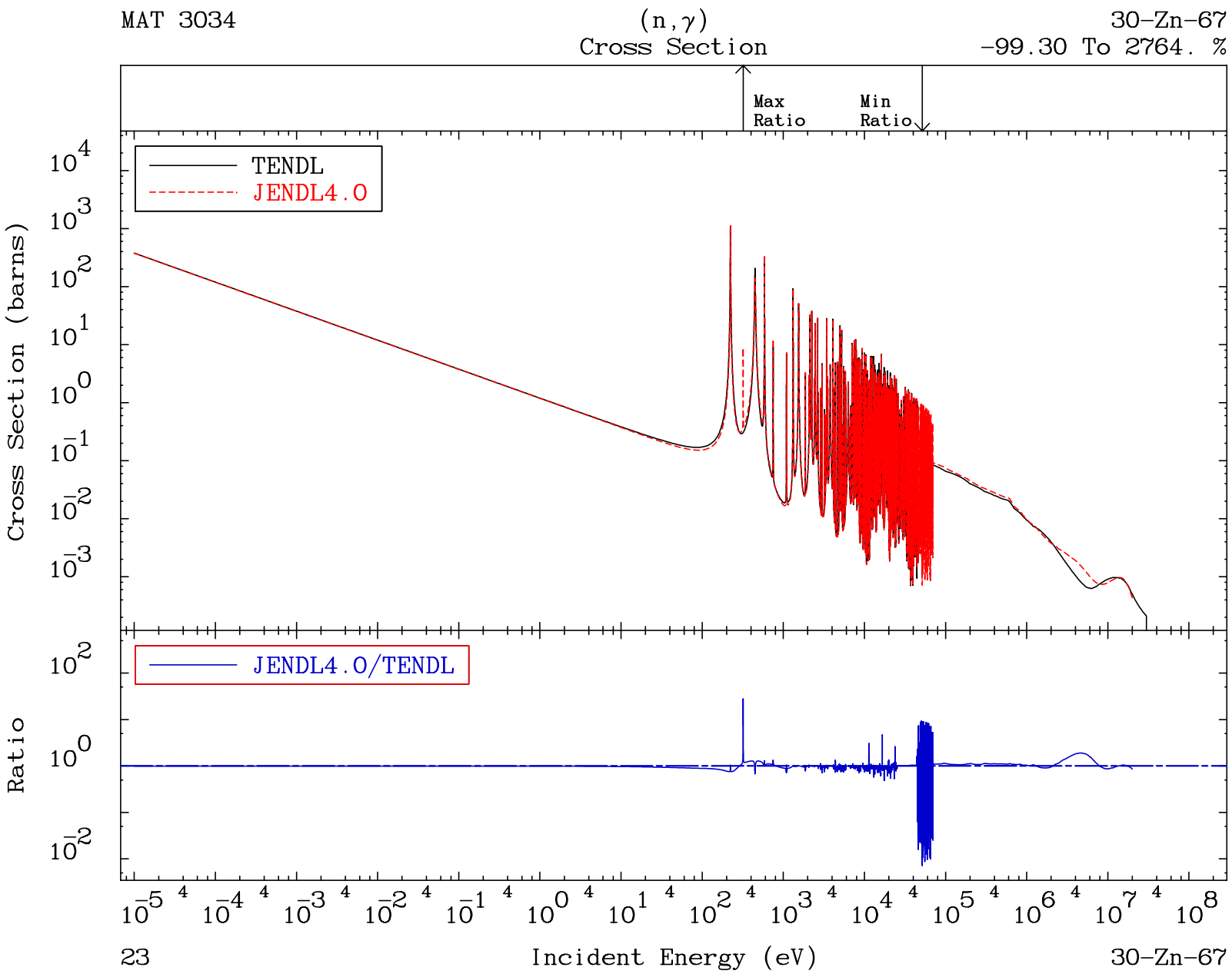

MAT 3034
MT= 58 (n,n') Level
Cross Section
30-Zn-67
1.333 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 994.61 keV
JENDL4.0 Threshold 994.61 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^4
10^2
10^0
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
18
Incident Energy (eV)
30-Zn-67

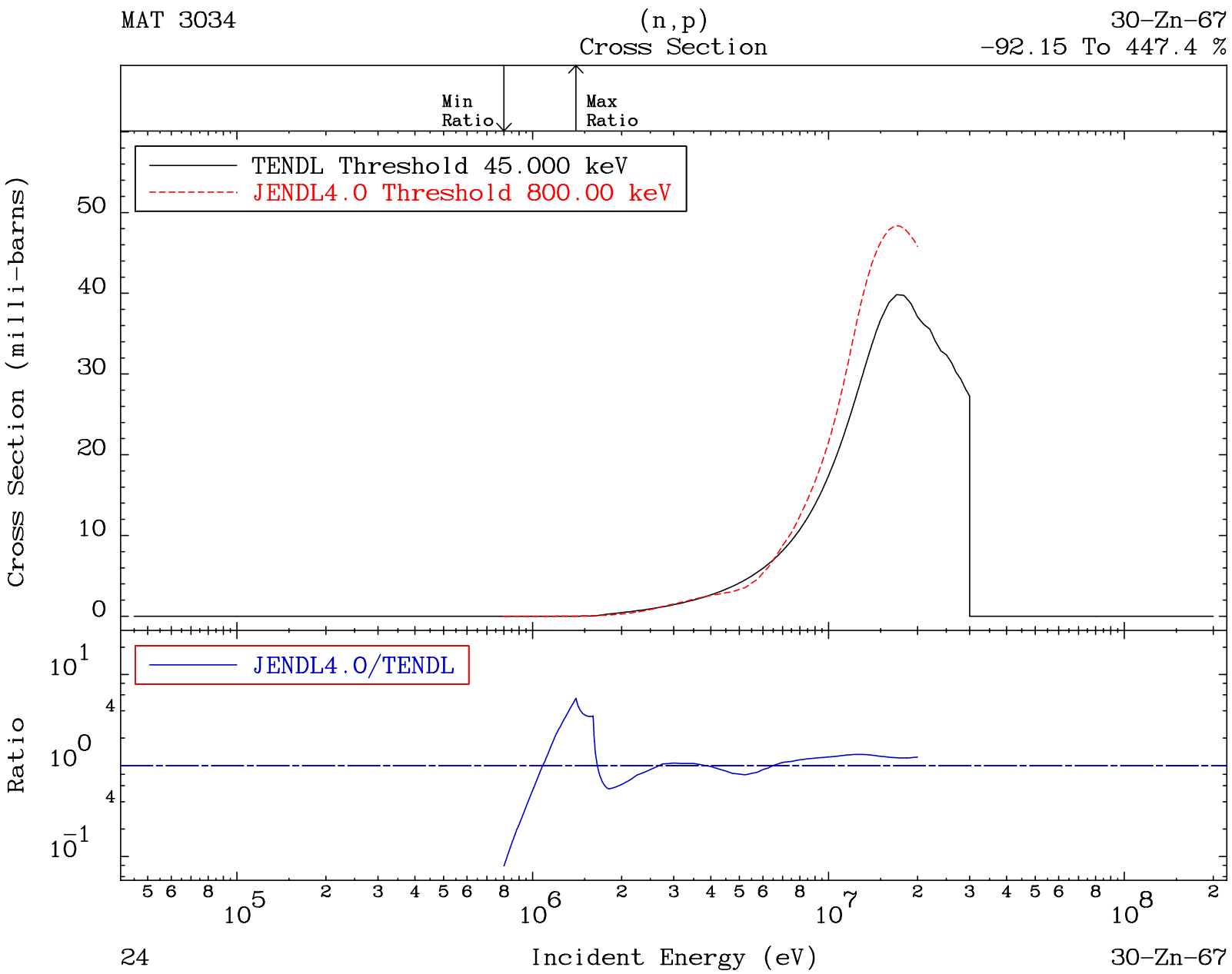

MAT 3034
MT= 59 (n,n') Level
Cross Section
30-Zn-67
5.091 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.0049 MeV
JENDL4.0 Threshold 1.0049 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
JENDL4.0/TENDL
Ratio
10^4
10^2
10^0
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
19
Incident Energy (eV)
30-Zn-67

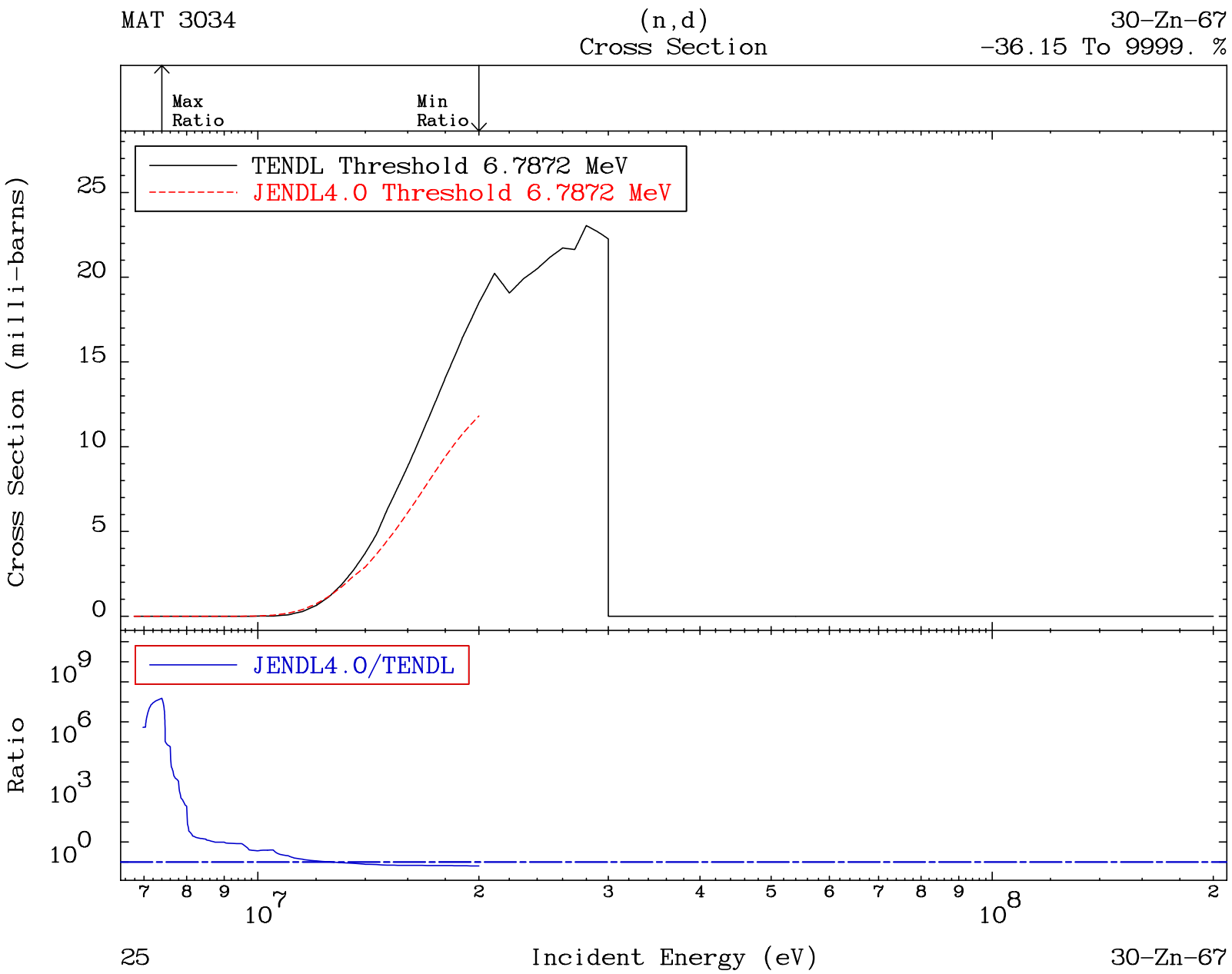

MAT 3034
MT= 60 (n,n') Level
Cross Section
30-Zn-67
-47.78 To 341.7 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.0760 MeV
JENDL4.0 Threshold 1.0760 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
4
2
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
20
Incident Energy (eV)
30-Zn-67

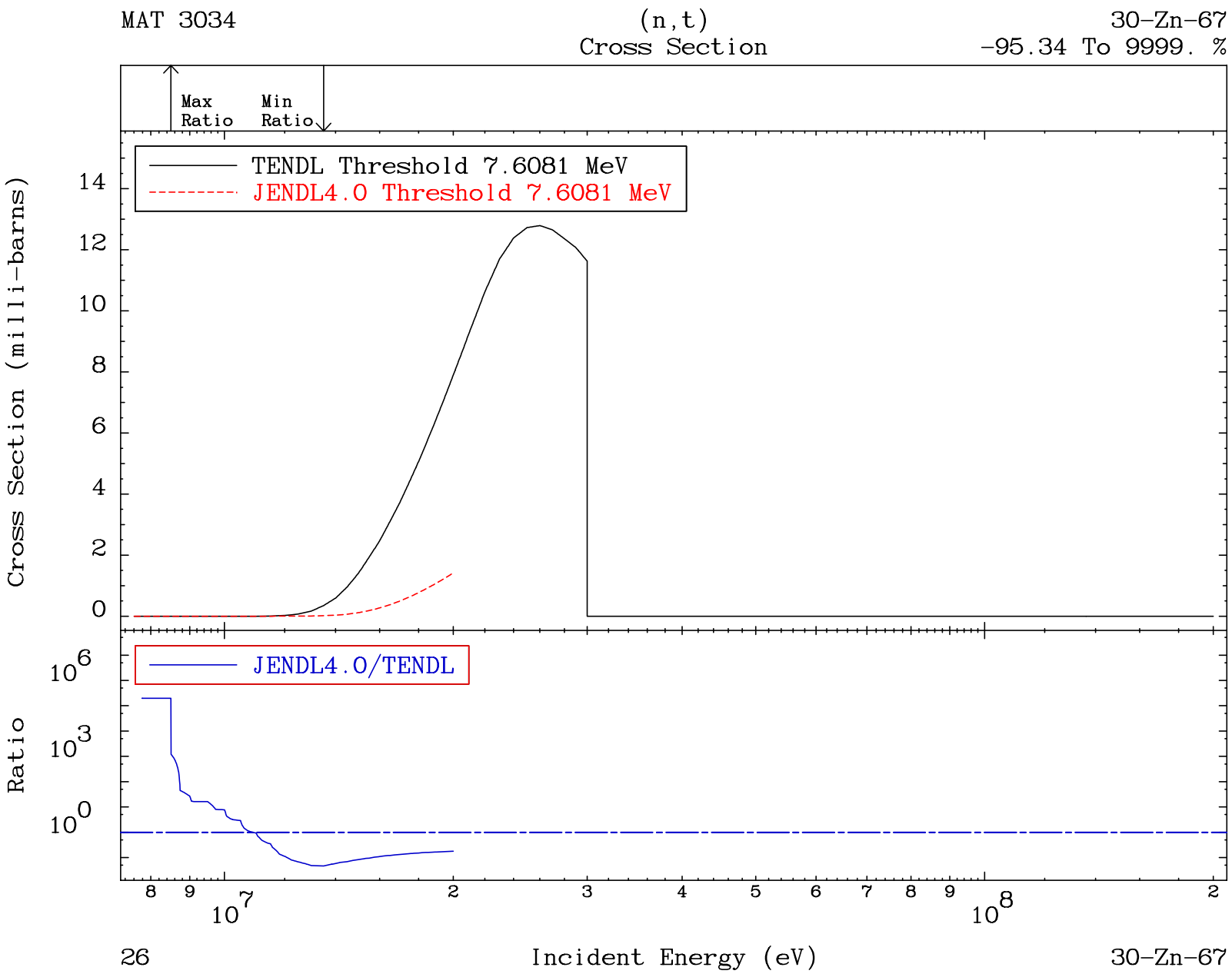

MAT 3034
MT= 61 (n,n') Level
Cross Section
30-Zn-67
5.631 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.1600 MeV
JENDL4.0 Threshold 1.1600 MeV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
21
30-Zn-67

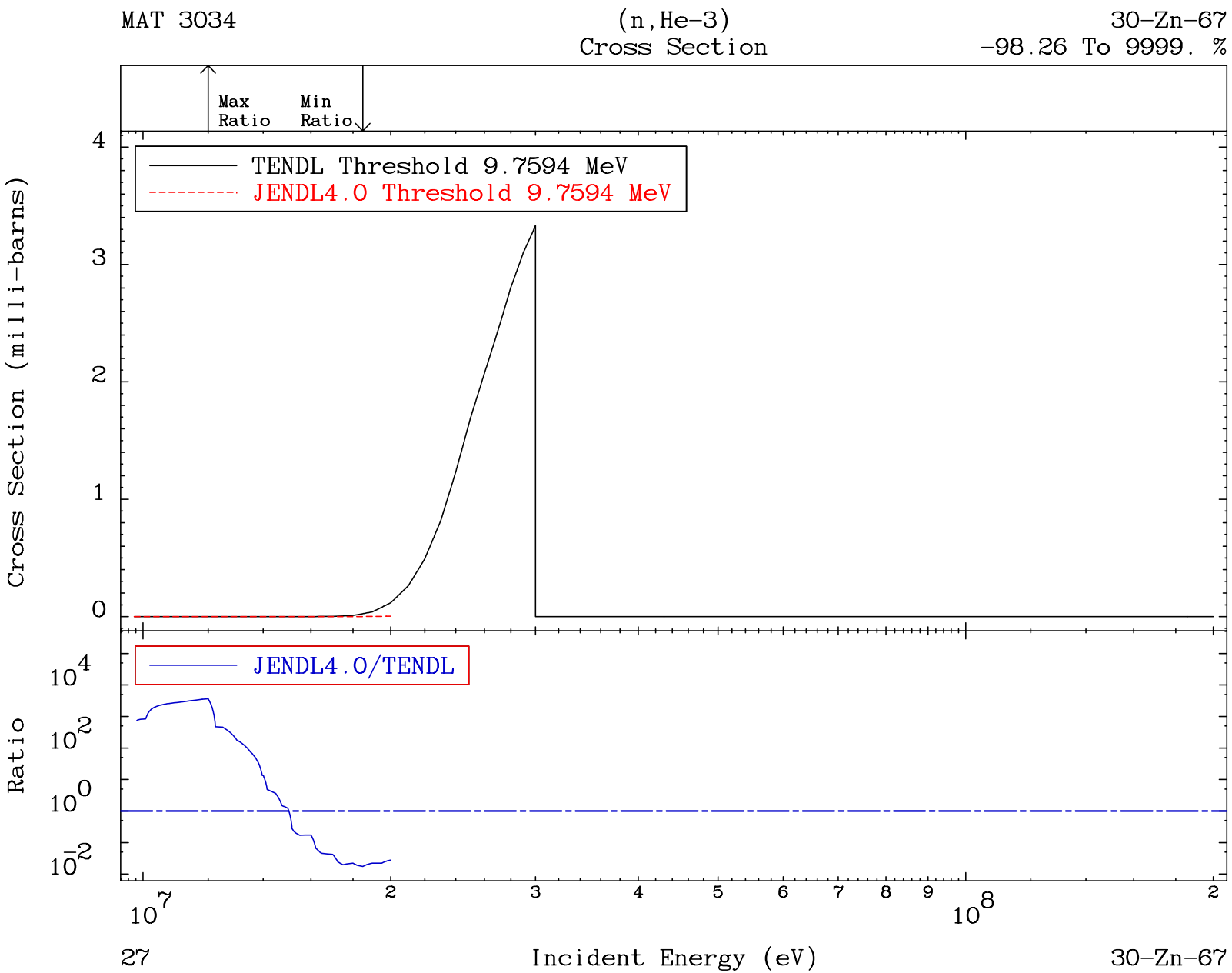

MAT 3034
(n,n') Continuum
Cross Section
30-Zn-67
-51.61 To 1229. %
Max
Ratio
Min
Ratio
TENDL Threshold 1.9037 MeV
JENDL4.0 Threshold 105.00 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JENDL4.0/TENDL
Ratio
10^1
10^0
10^5
10^6
10^7
10^8
22
Incident Energy (eV)
30-Zn-67

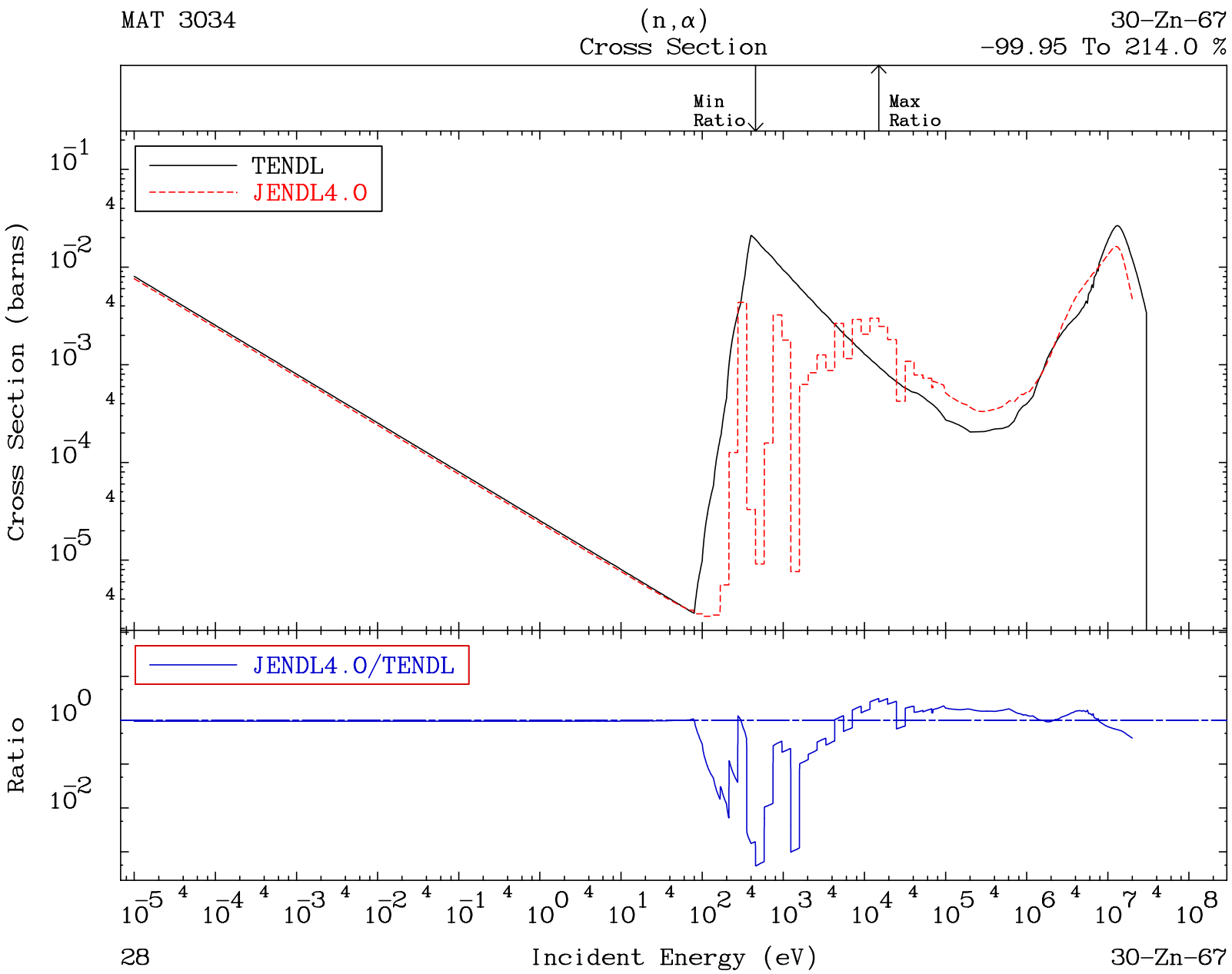

MAT 3034
(n,γ)
Cross Section
30-Zn-67
-99.30 To 2764. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
23
30-Zn-67

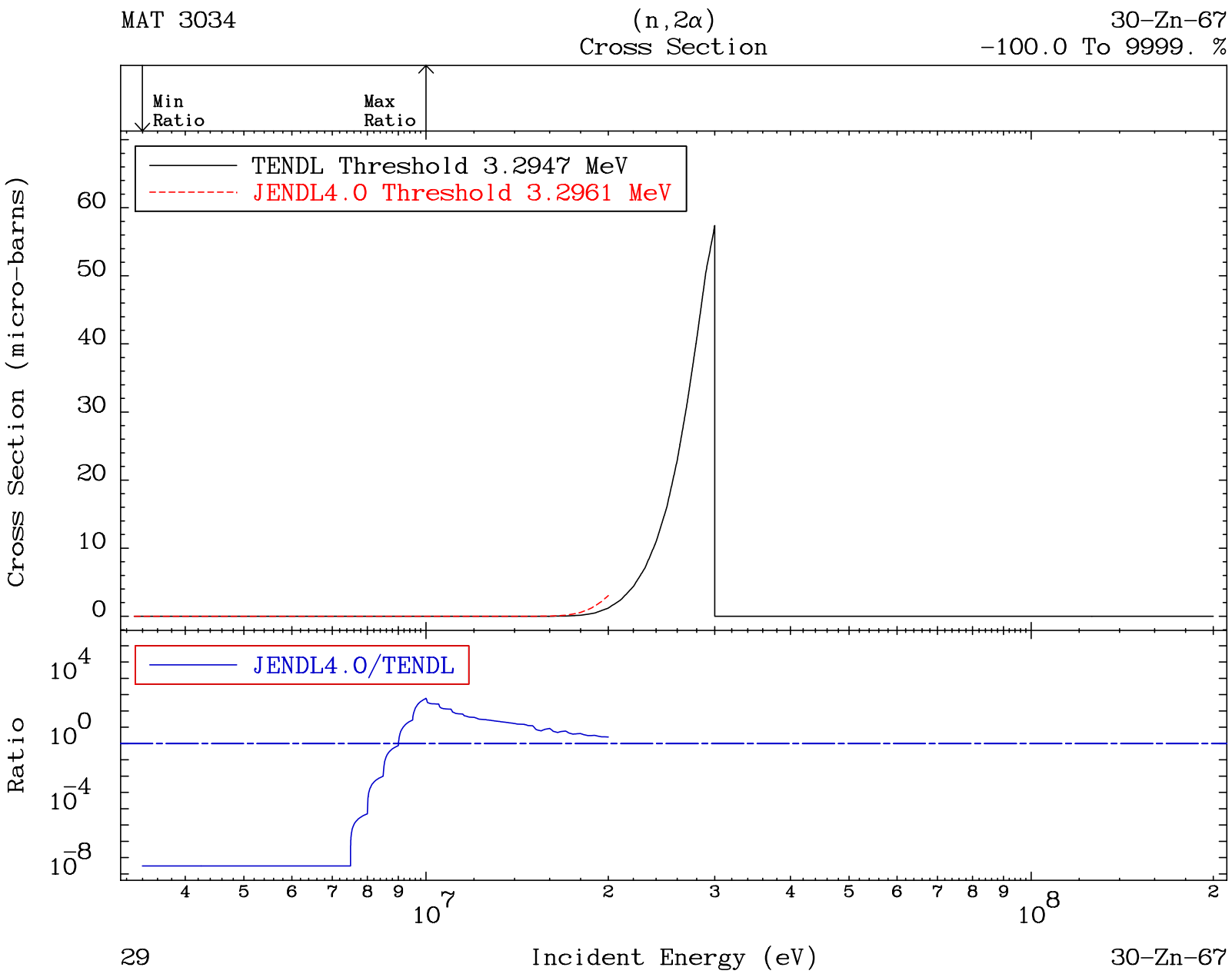

MAT 3034
(n,p)
Cross Section
30-Zn-67
-92.15 To 447.4 %
Min Ratio
Max Ratio
TENDL Threshold 45.000 keV
JENDL4.0 Threshold 800.00 keV
Cross Section (milli-barns)
0
10
20
30
40
50
JENDL4.0/TENDL
Ratio
10^{1}
10^{0}
10^{-1}
10^{5}
10^{6}
10^{7}
10^{8}
Incident Energy (eV)
24
30-Zn-67

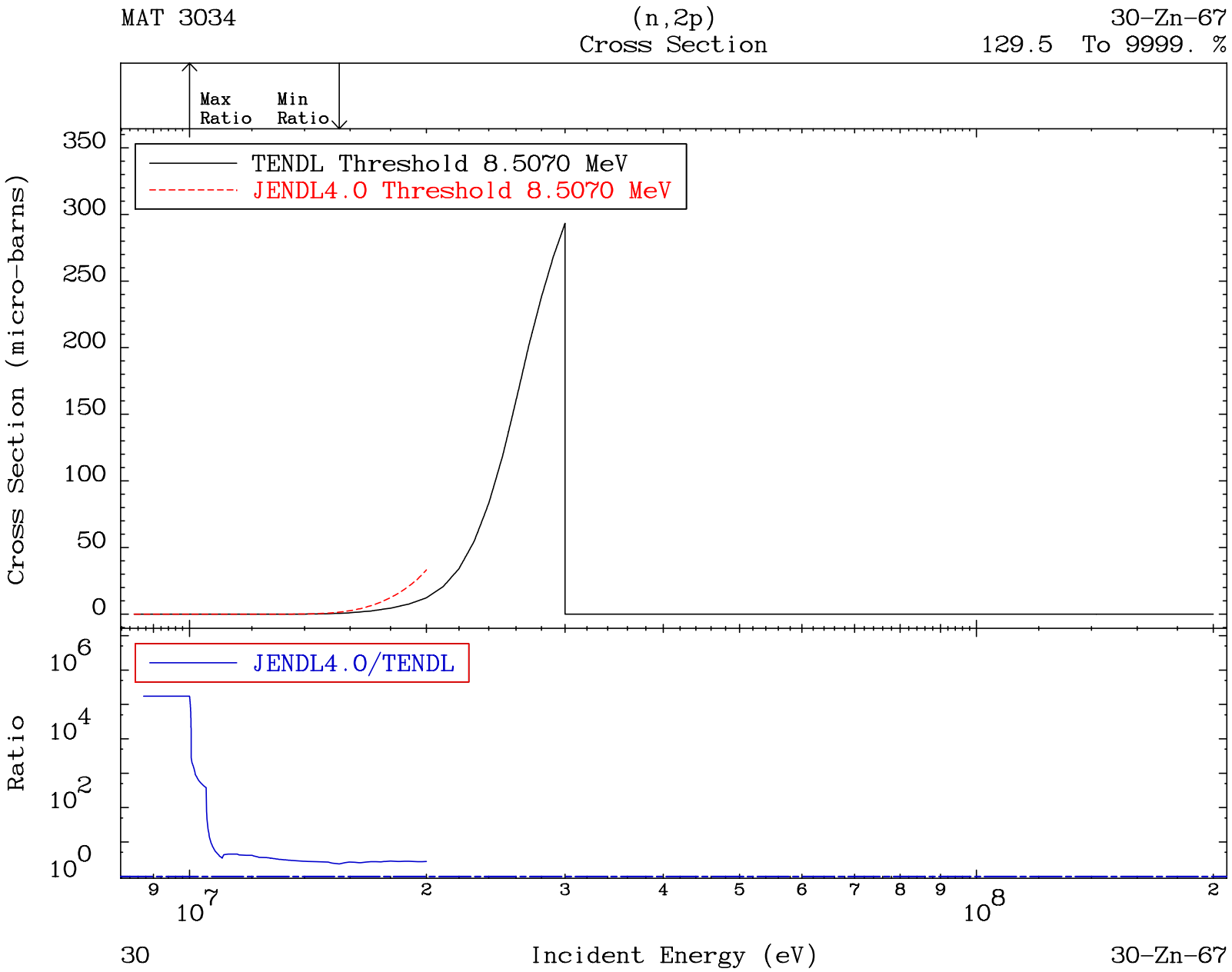

MAT 3034
(n,d)
Cross Section
30-Zn-67
-36.15 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.7872 MeV
JENDL4.0 Threshold 6.7872 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JENDL4.0/TENDL
Ratio
10^9
10^6
10^3
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
25
Incident Energy (eV)
30-Zn-67

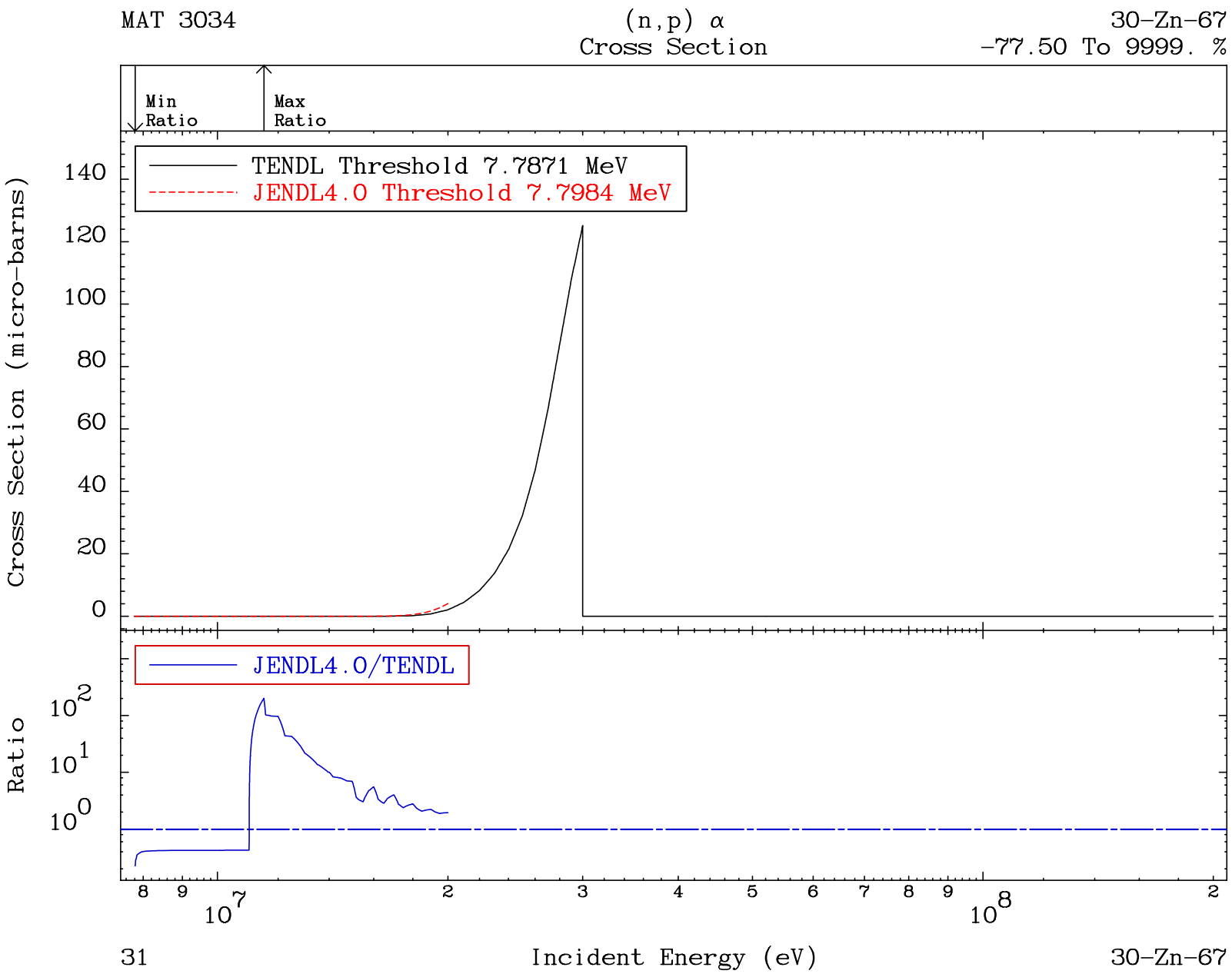

MAT 3034
(n,t)
Cross Section
30-Zn-67
-95.34 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 7.6081 MeV
JENDL4.0 Threshold 7.6081 MeV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
26
30-Zn-67

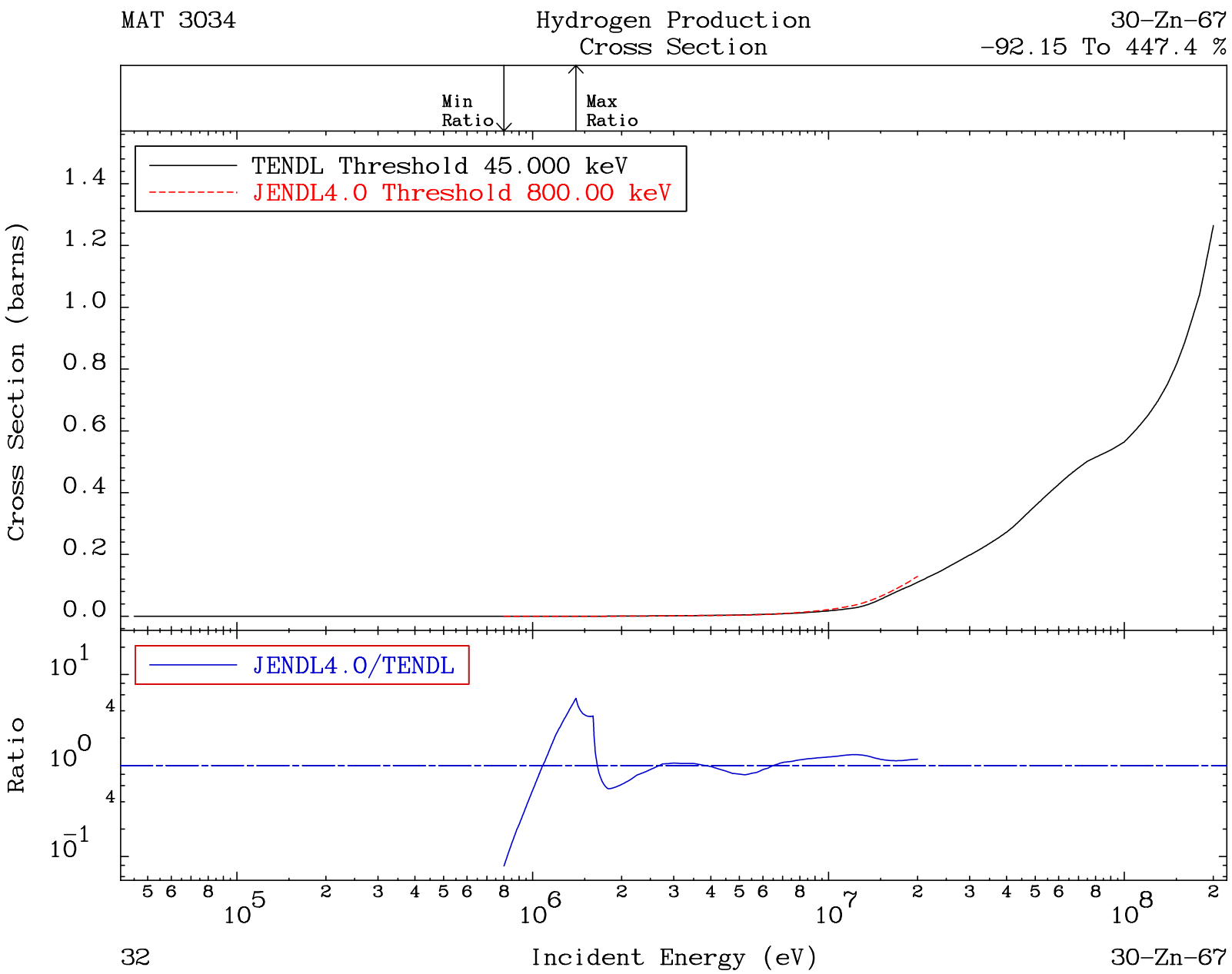

MAT 3034
(n,He-3)
Cross Section
30-Zn-67
-98.26 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.7594 MeV
JENDL4.0 Threshold 9.7594 MeV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
27
30-Zn-67

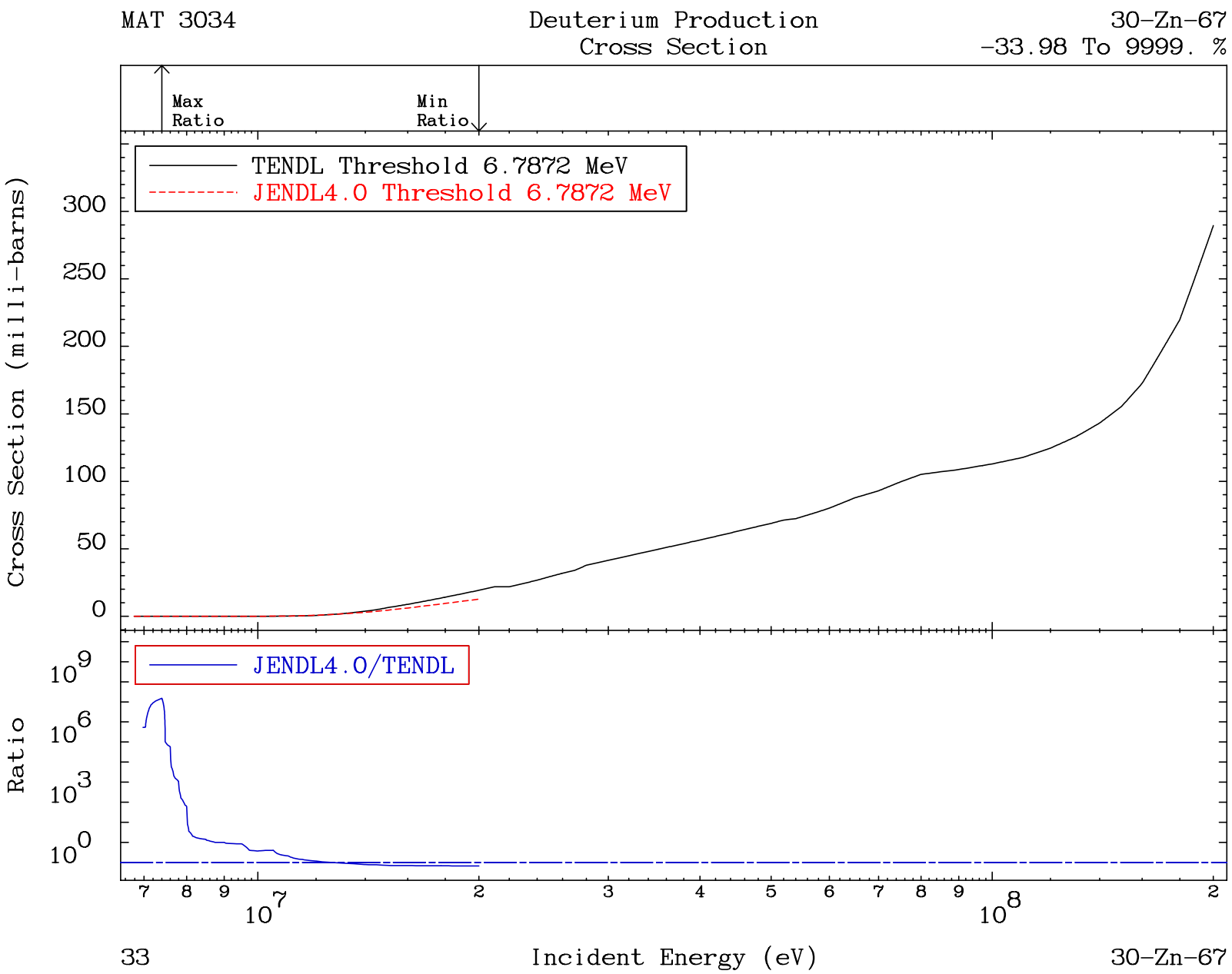

MAT 3034
(n,α)
Cross Section
30-Zn-67
-99.95 To 214.0 %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
28
30-Zn-67

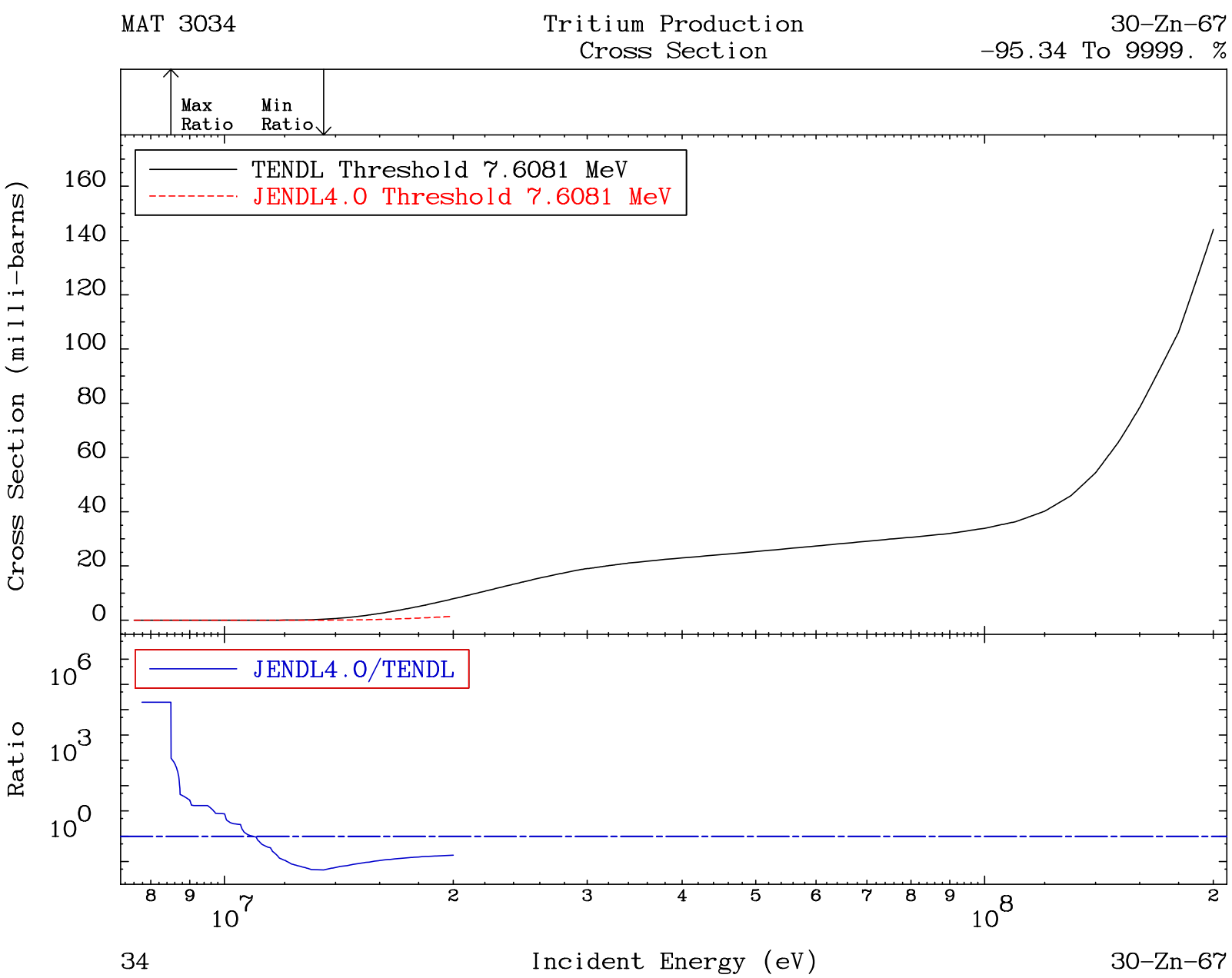

MAT 3034
(n,2α)
Cross Section
30-Zn-67
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.2947 MeV
JENDL4.0 Threshold 3.2961 MeV
Cross Section (micro-barns)
60
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^4
10^0
10^-4
10^-8
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
29
Incident Energy (eV)
30-Zn-67

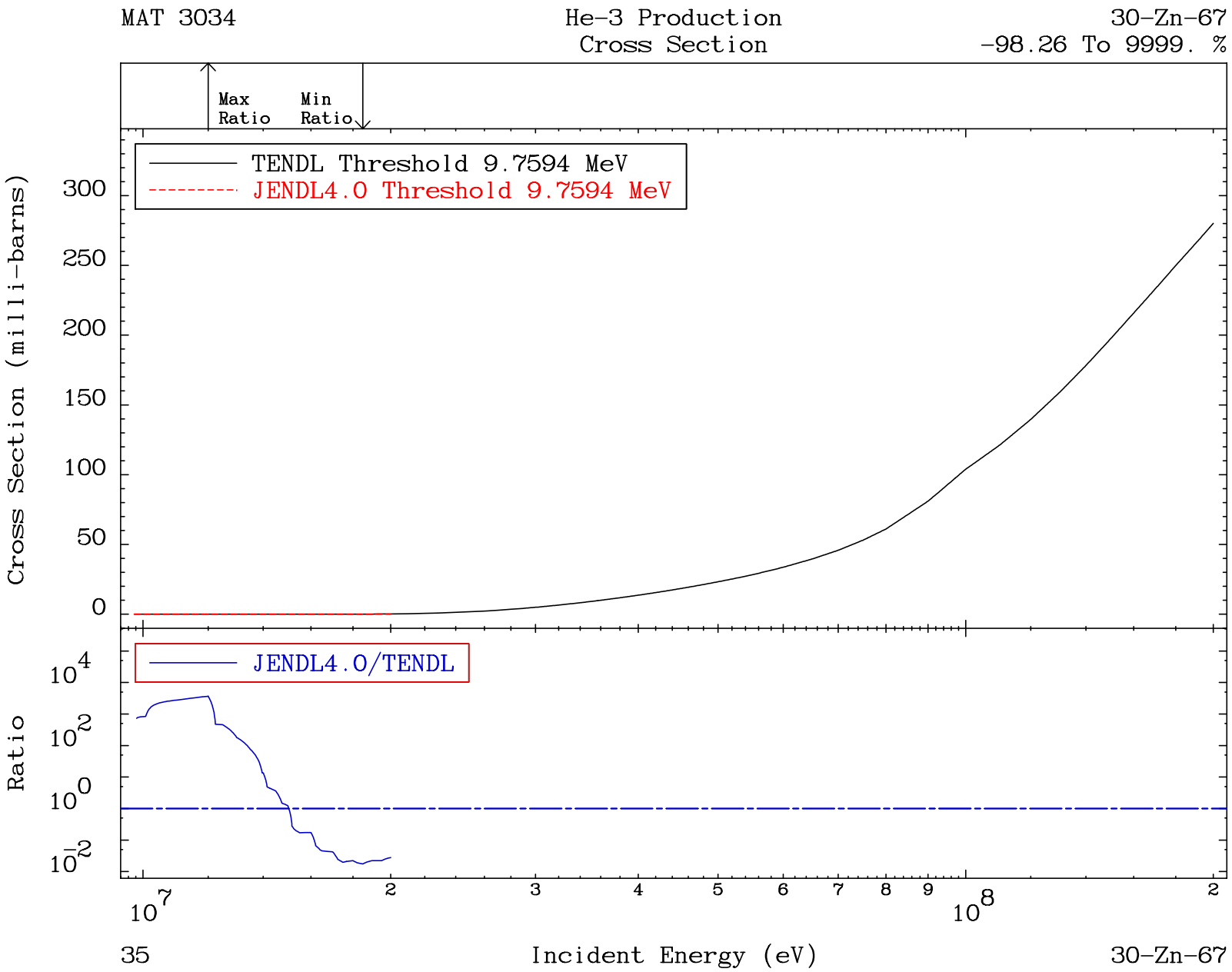

MAT 3034
(n,2p)
Cross Section
30-Zn-67
129.5 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 8.5070 MeV
JENDL4.0 Threshold 8.5070 MeV
Cross Section (micro-barns)
350
300
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^6
10^4
10^2
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
30
Incident Energy (eV)
30-Zn-67

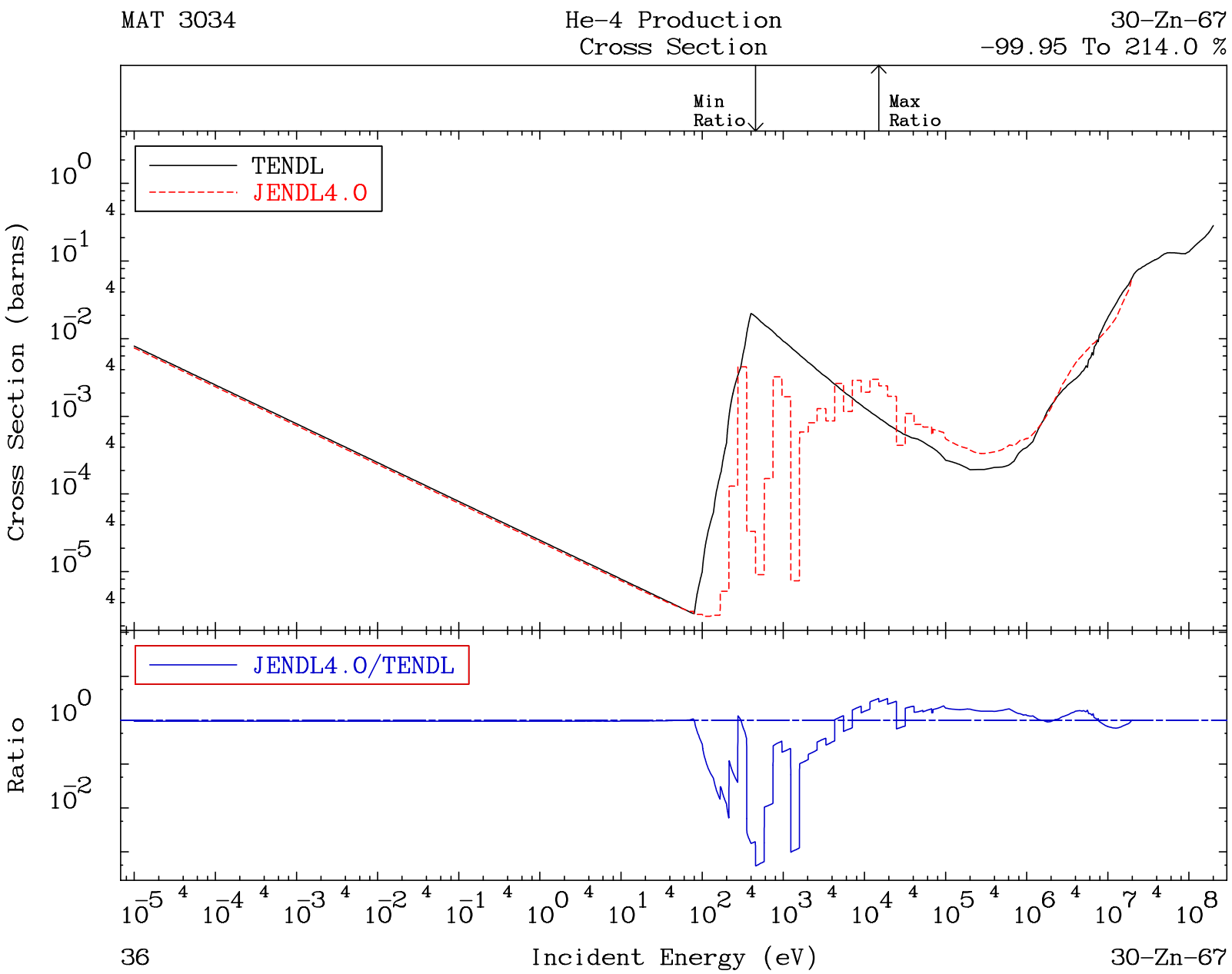

MAT 3034
(n,p) α
Cross Section
30-Zn-67
-77.50 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 7.7871 MeV
JENDL4.0 Threshold 7.7984 MeV
Cross Section (micro-barns)
0
20
40
60
80
100
120
140
JENDL4.0/TENDL
Ratio
10^2
10^1
10^0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
31
Incident Energy (eV)
30-Zn-67

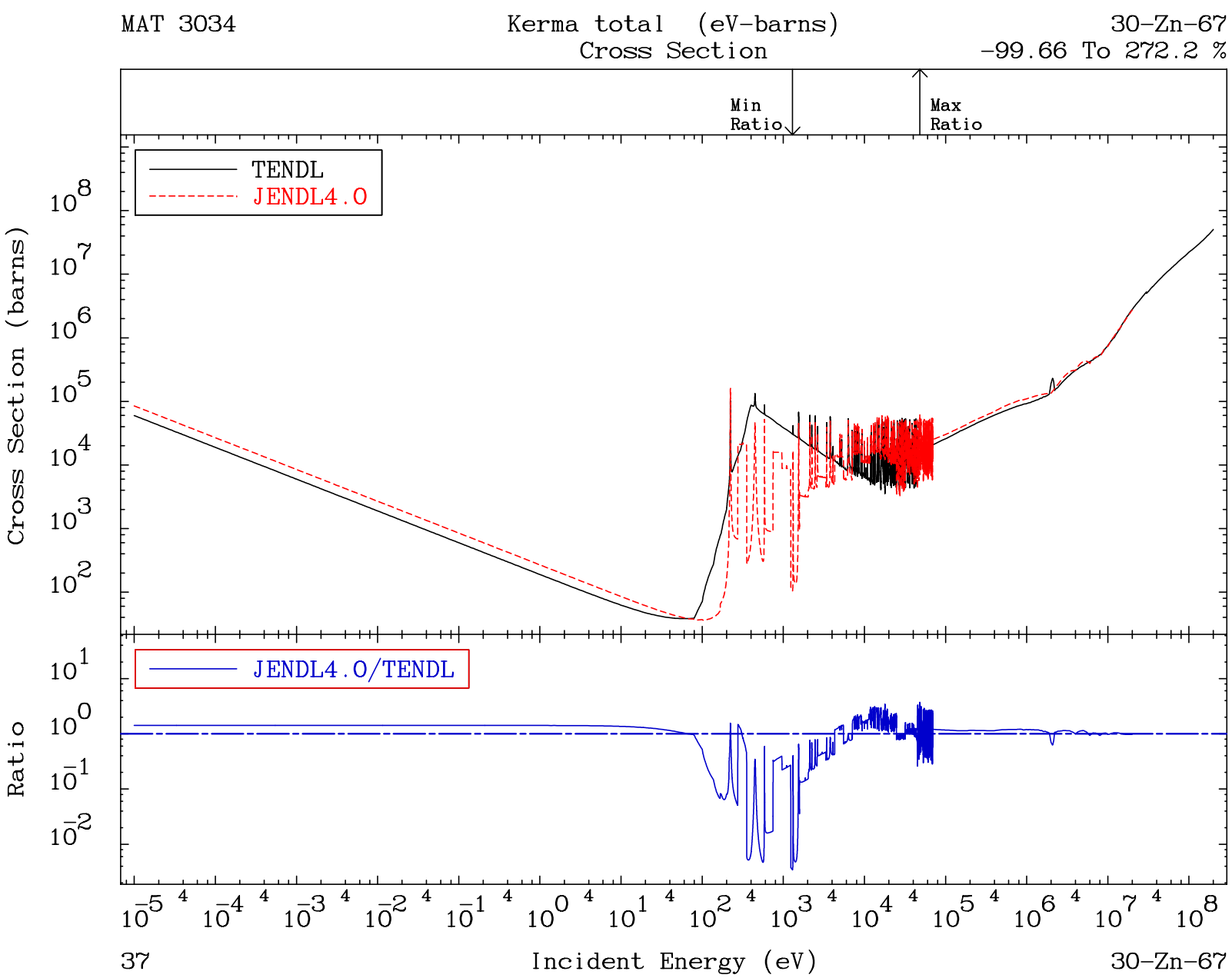

MAT 3034
Hydrogen Production
Cross Section
30-Zn-67
-92.15 To 447.4 %
Min Ratio
Max Ratio
TENDL Threshold 45.000 keV
JENDL4.0 Threshold 800.00 keV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL4.0/TENDL
Ratio
10^1
10^0
10^-1
5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
32
Incident Energy (eV)
30-Zn-67

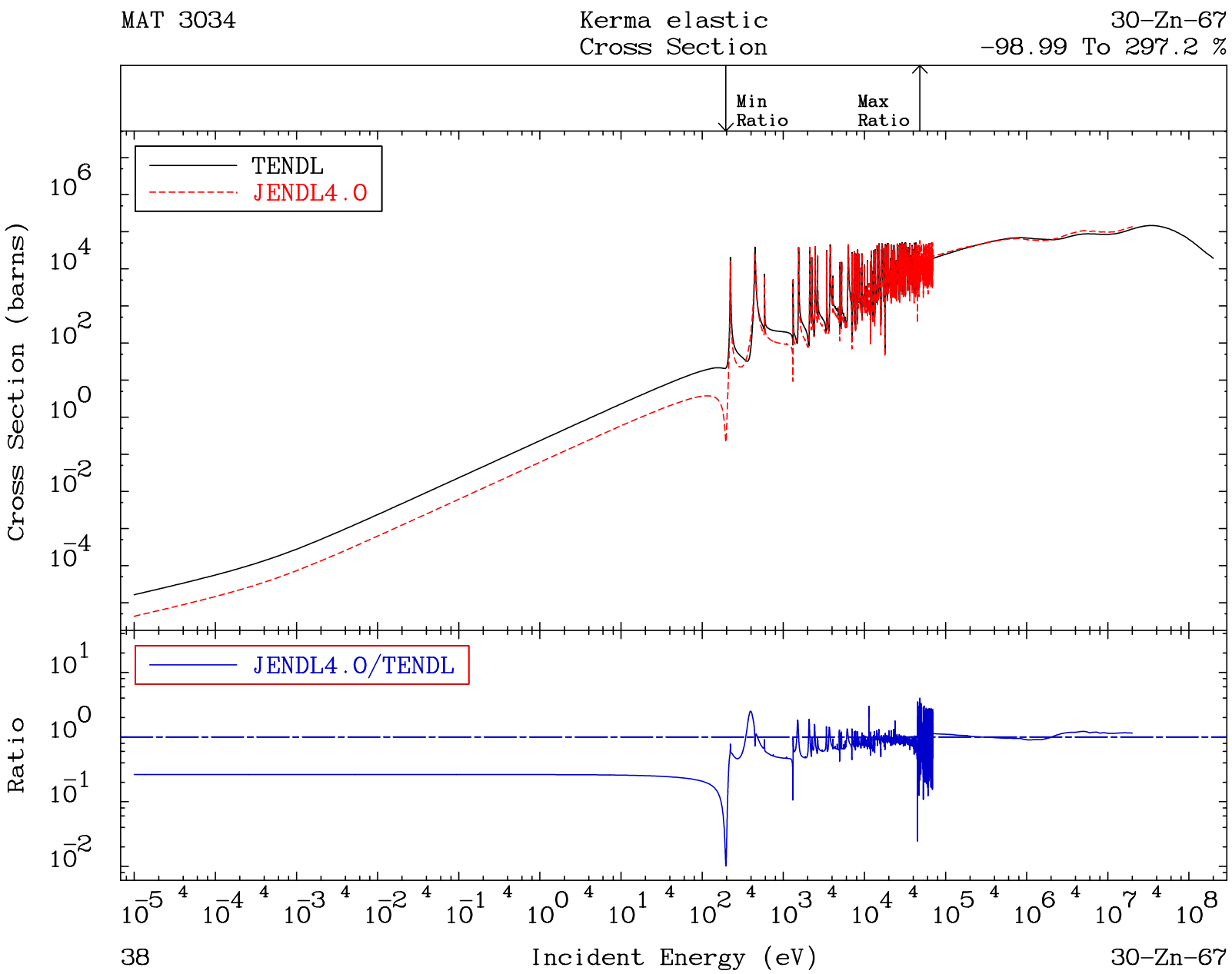

MAT 3034
Deuterium Production
Cross Section
30-Zn-67
-33.98 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.7872 MeV
JENDL4.0 Threshold 6.7872 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^9
10^6
10^3
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
33
Incident Energy (eV)
30-Zn-67

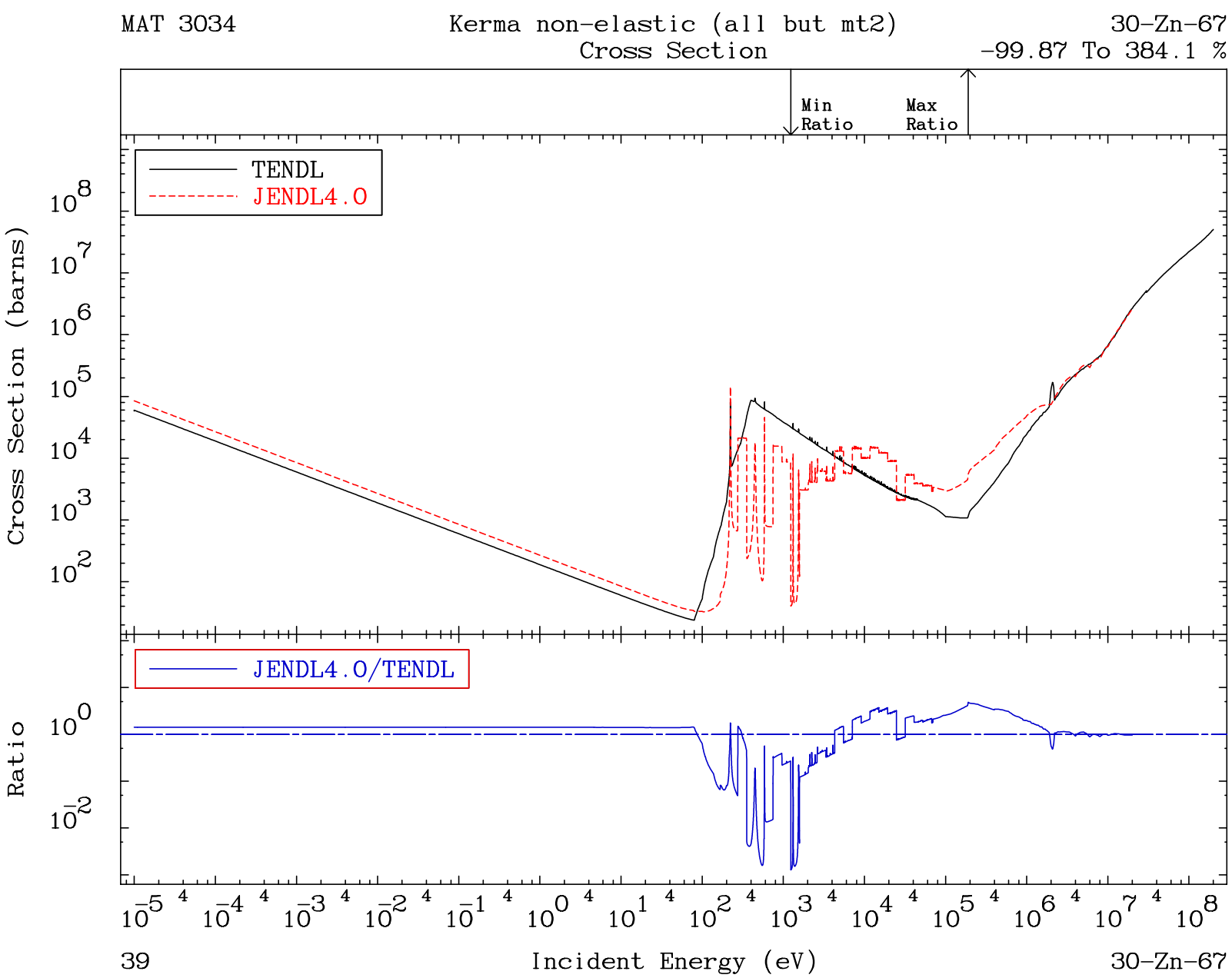

MAT 3034
Tritium Production
Cross Section
30-Zn-67
-95.34 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 7.6081 MeV
JENDL4.0 Threshold 7.6081 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^6
10^3
10^0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
34
Incident Energy (eV)
30-Zn-67

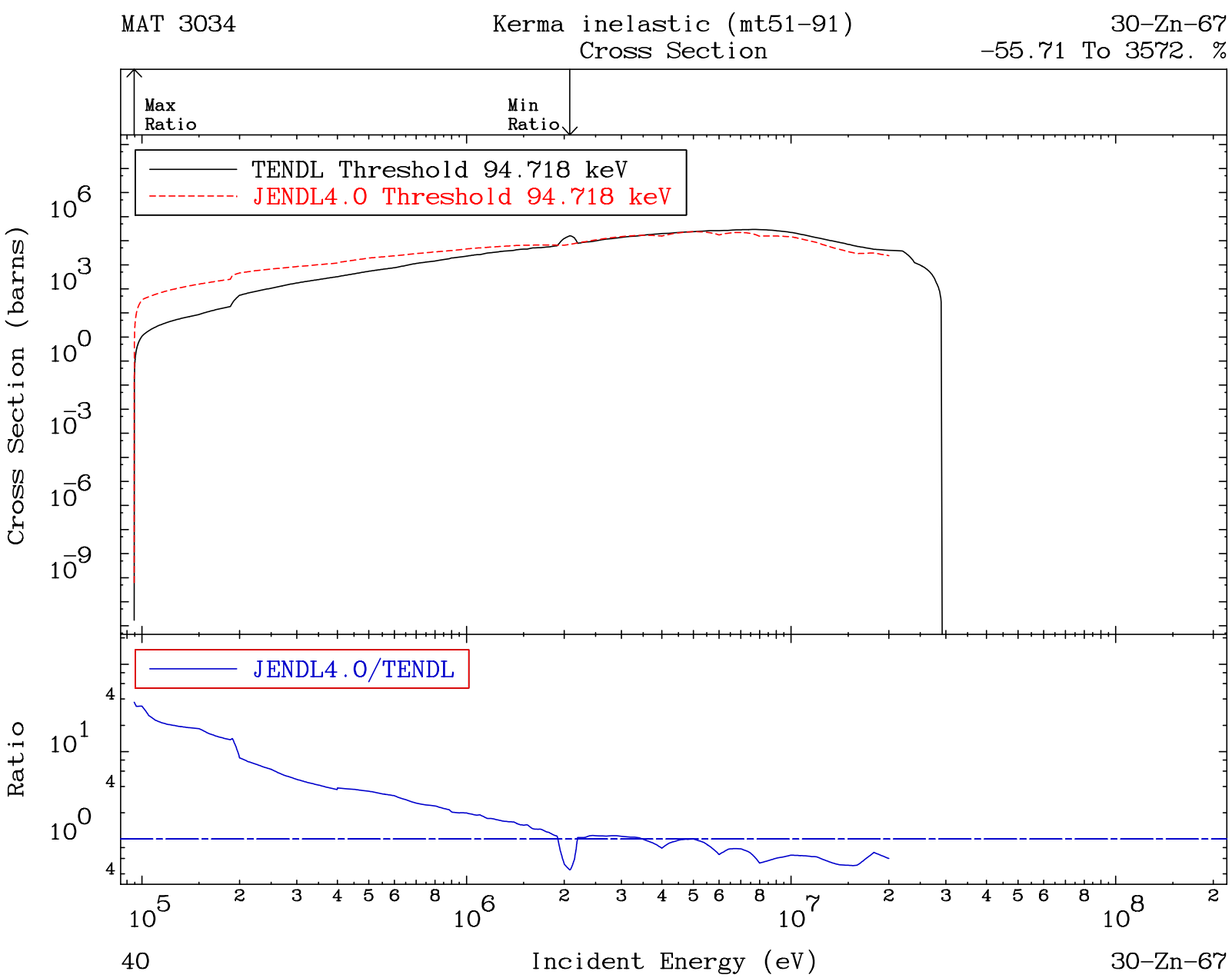

MAT 3034
He-3 Production
Cross Section
30-Zn-67
-98.26 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.7594 MeV
JENDL4.0 Threshold 9.7594 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^4
10^2
10^0
10^-2
10^7
2
3
4
5
6
7
8
9
10^8
2
35
Incident Energy (eV)
30-Zn-67

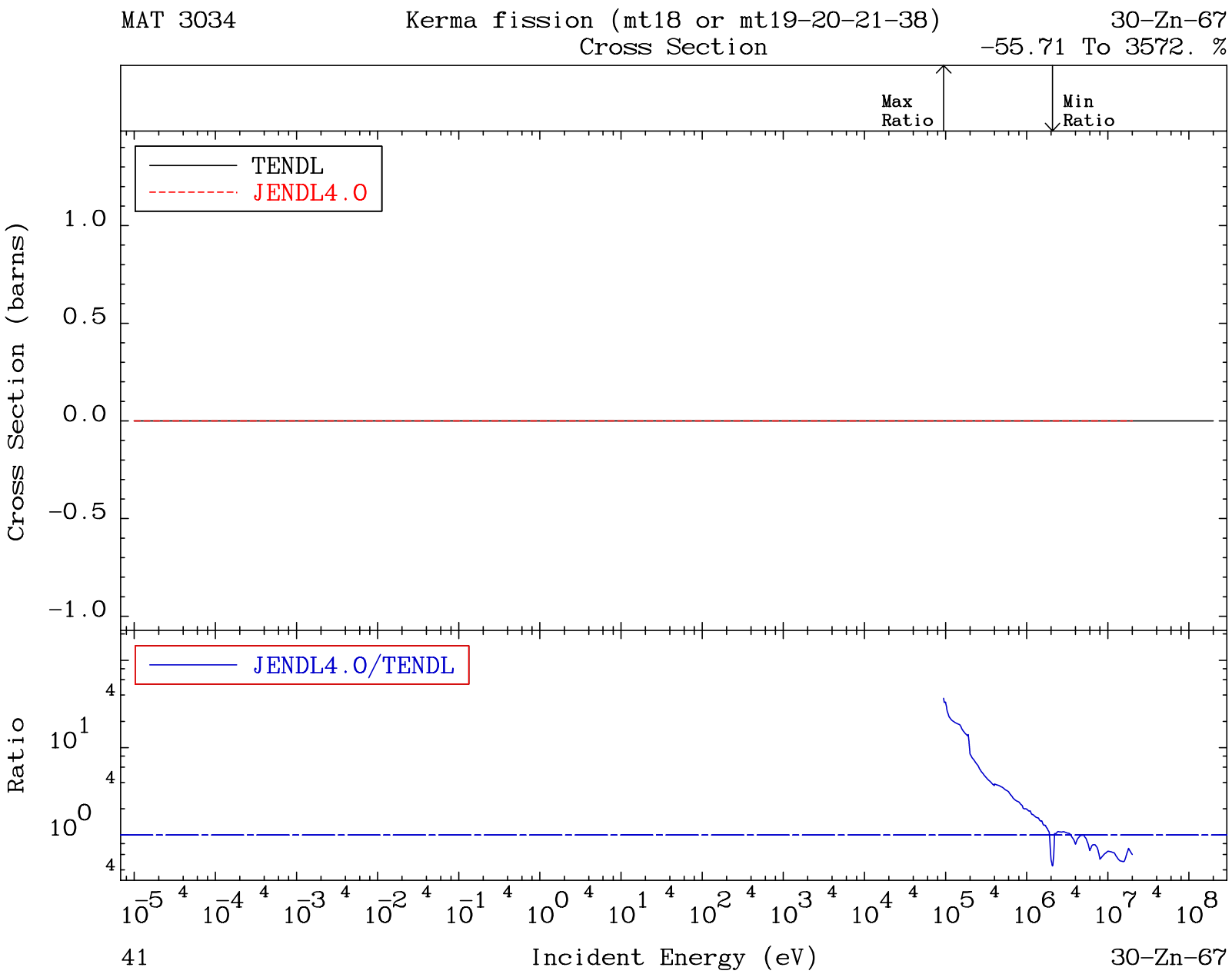

MAT 3034
He-4 Production
Cross Section
30-Zn-67
-99.95 To 214.0 %
Min
Ratio
Max
Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
36
30-Zn-67

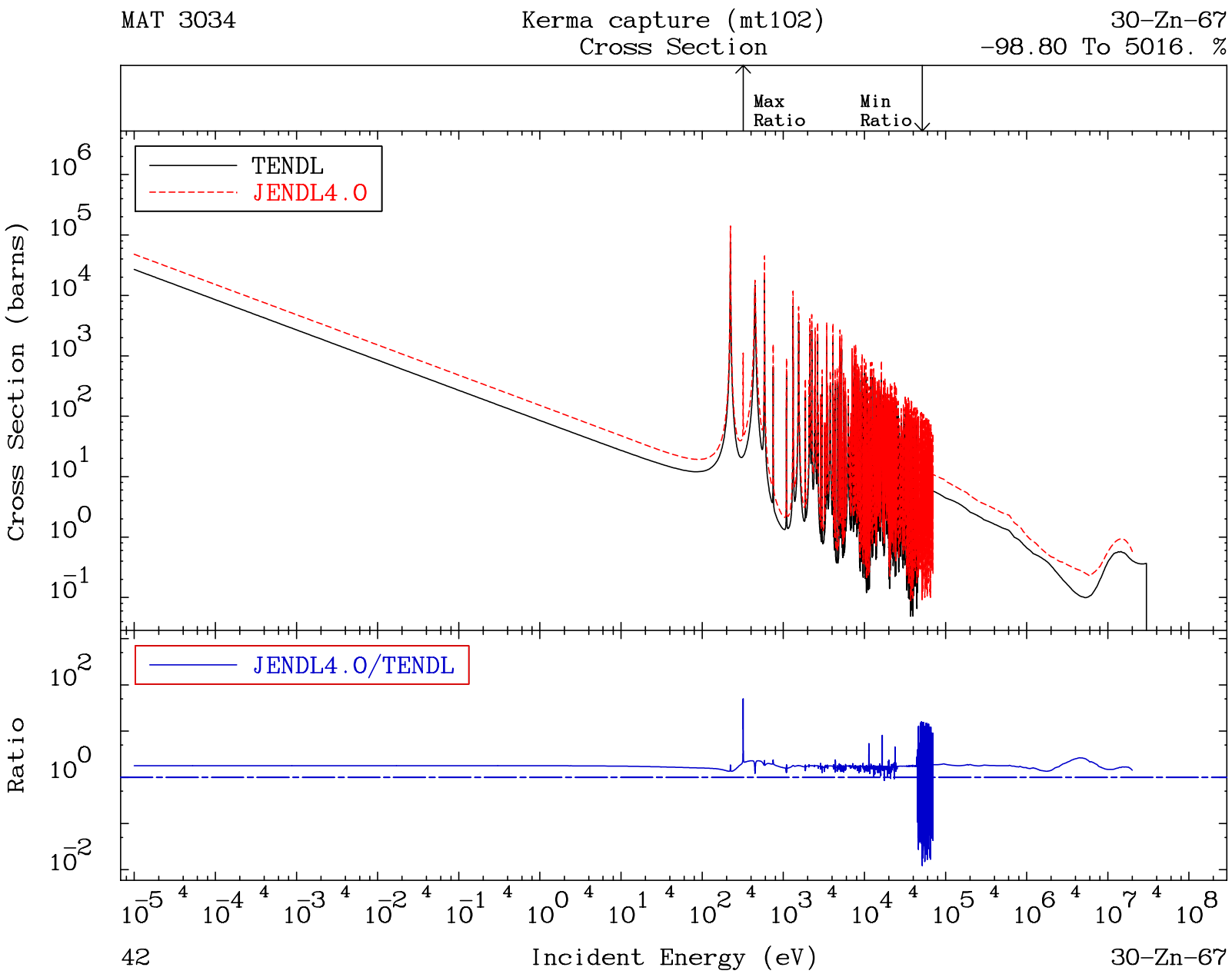

MAT 3034
Kerma total (eV-barns)
Cross Section
30-Zn-67
-99.66 To 272.2 %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
37
30-Zn-67

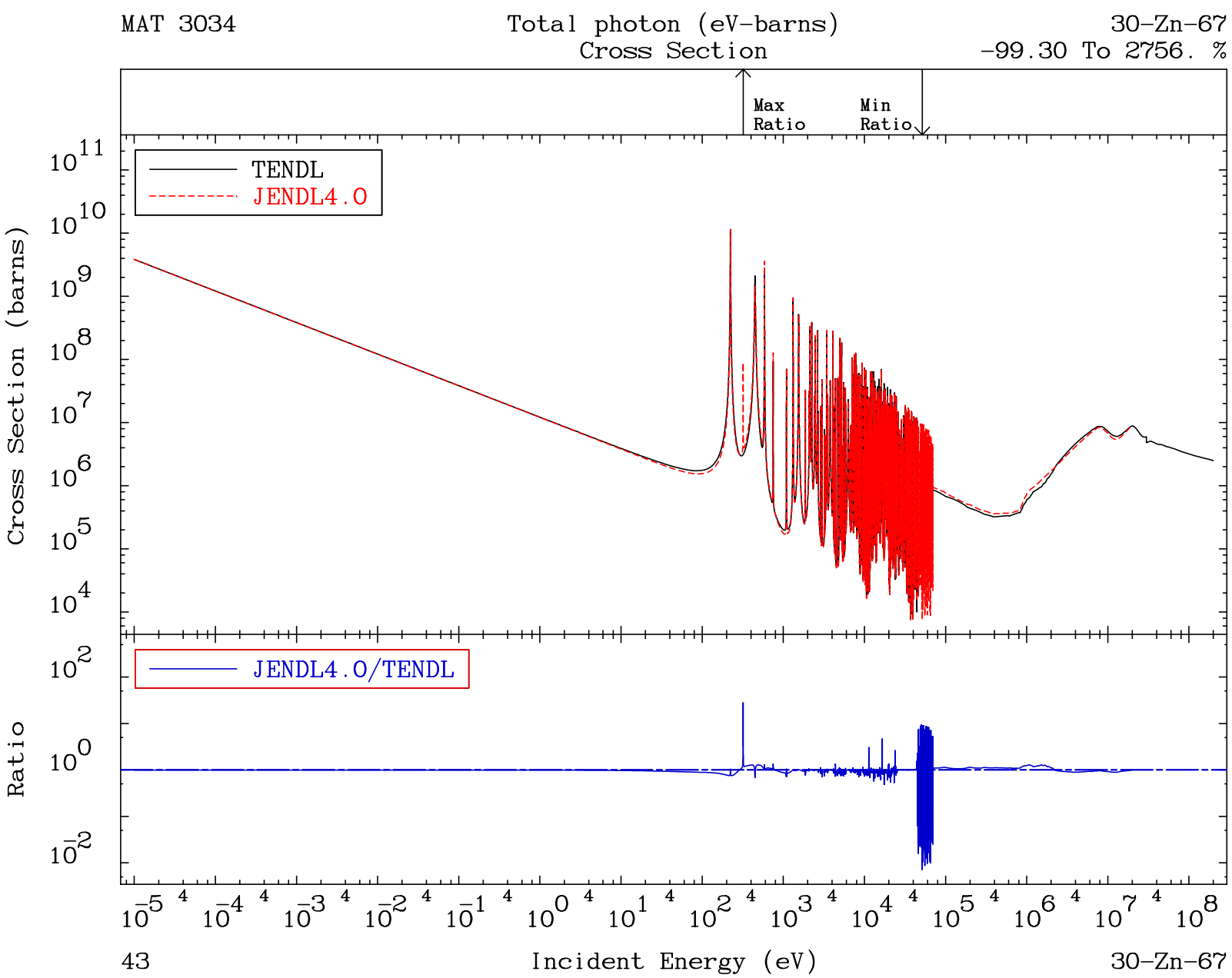

MAT 3034
Kerma elastic
Cross Section
30-Zn-67
-98.99 To 297.2 %
Min
Ratio
Max
Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
38
30-Zn-67

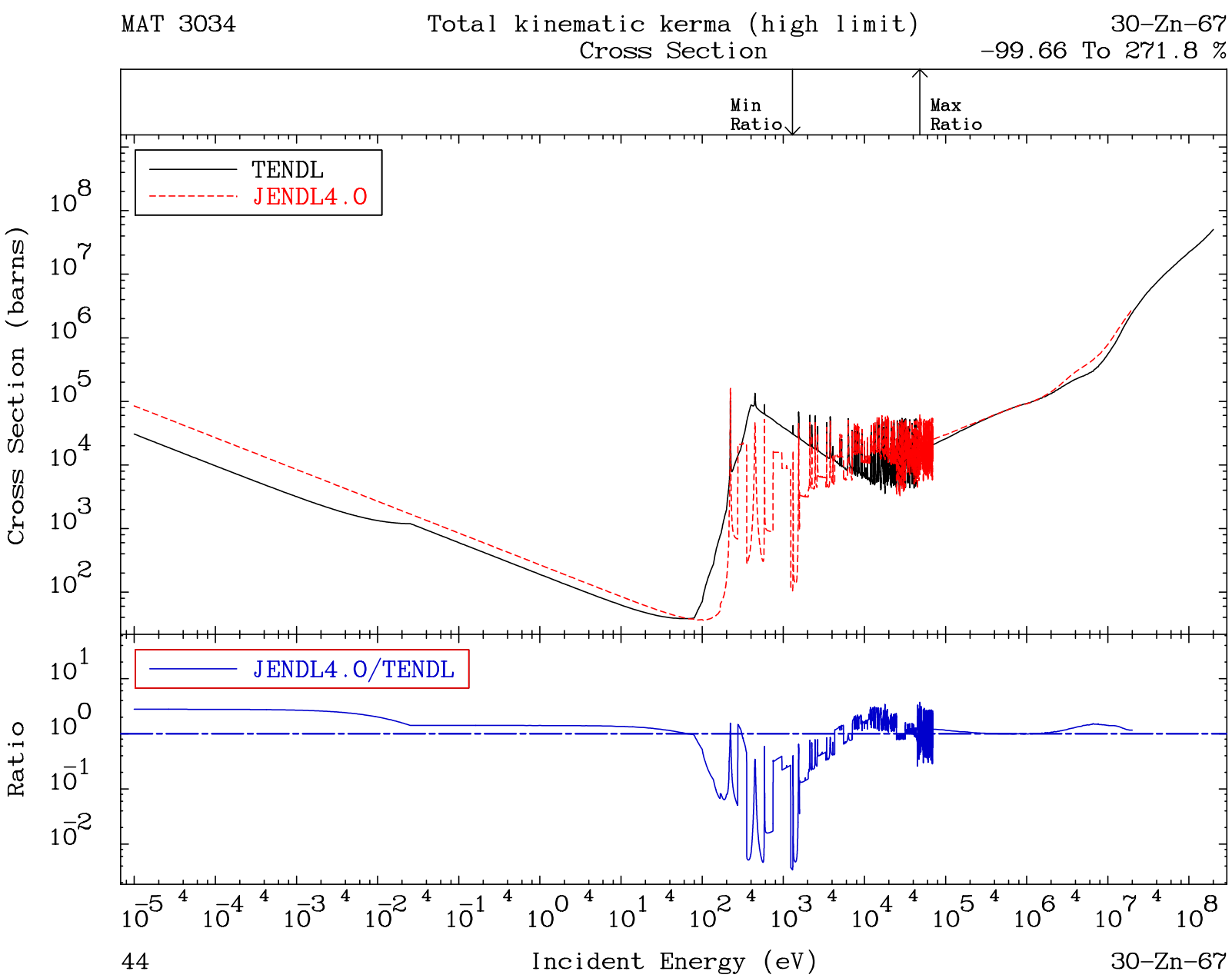

MAT 3034
Kerma non-elastic (all but mt2)
Cross Section
30-Zn-67
-99.87 To 384.1 %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
39
30-Zn-67

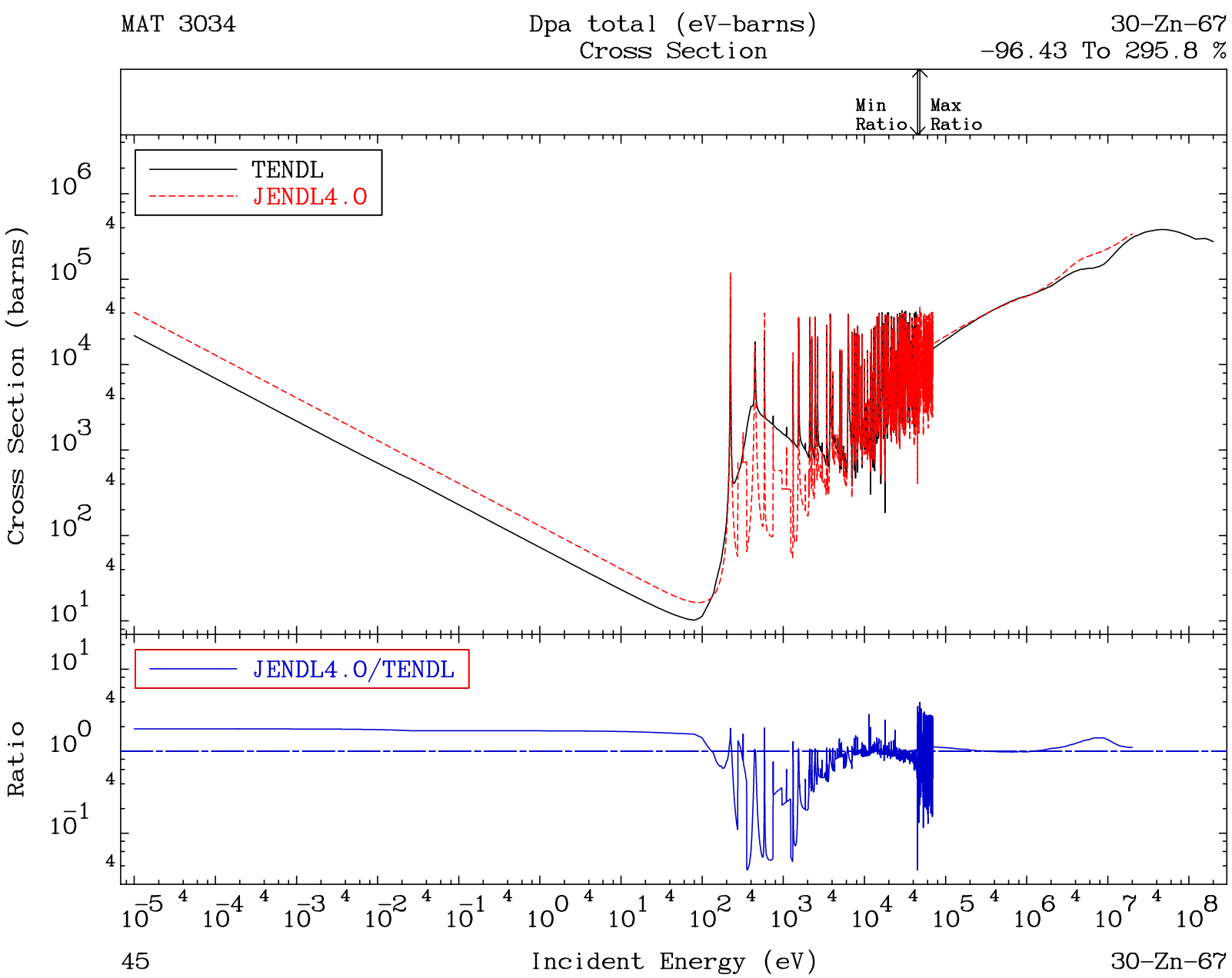

MAT 3034
Kerma inelastic (mt51-91)
Cross Section
30-Zn-67
-55.71 To 3572. %
Max Ratio
Min Ratio
TENDL Threshold 94.718 keV
JENDL4.0 Threshold 94.718 keV
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
40
30-Zn-67

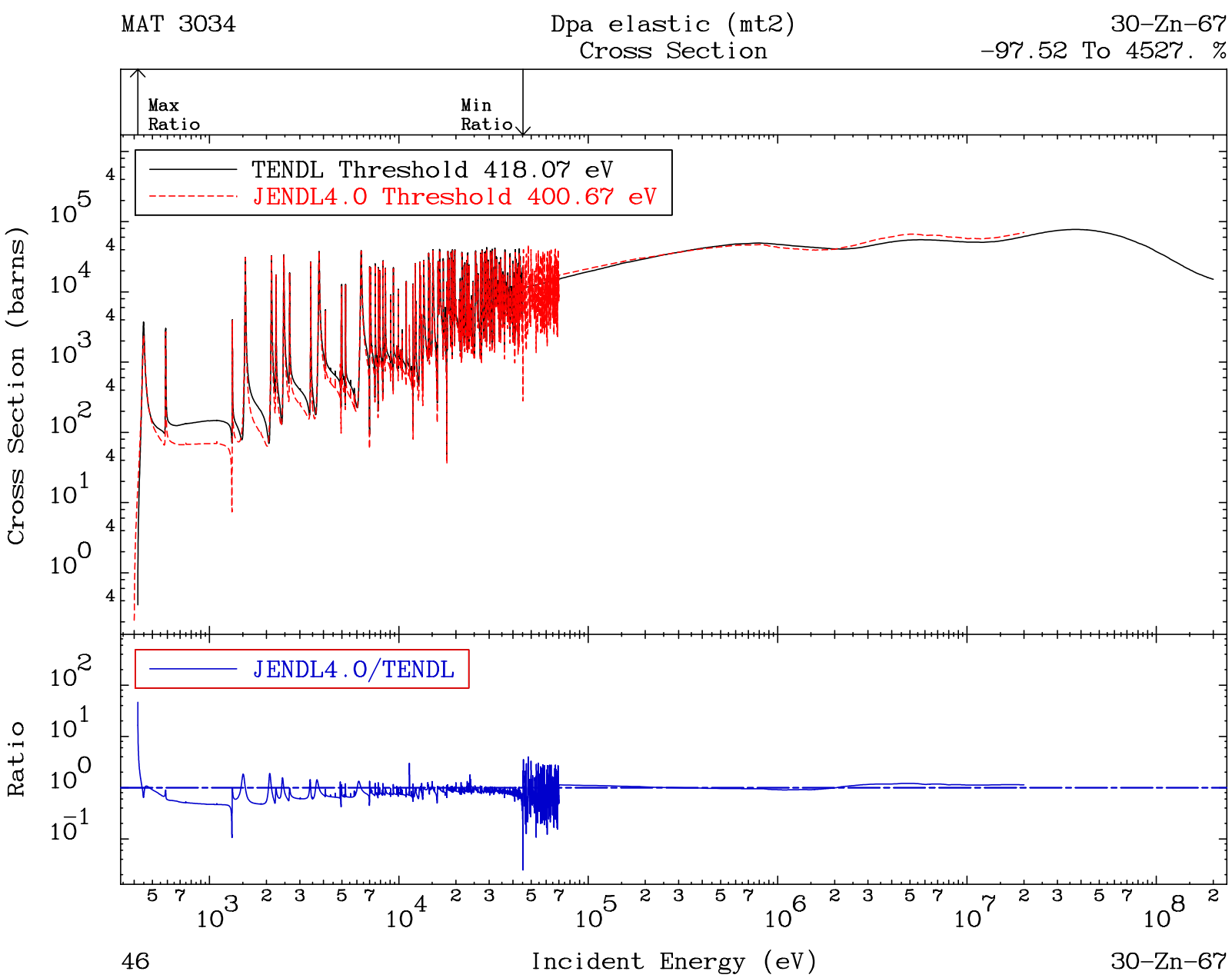

MAT 3034
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
30-Zn-67
-55.71 To 3572. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
JENDL4.0/TENDL
Ratio
10^1
10^0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
41
Incident Energy (eV)
30-Zn-67

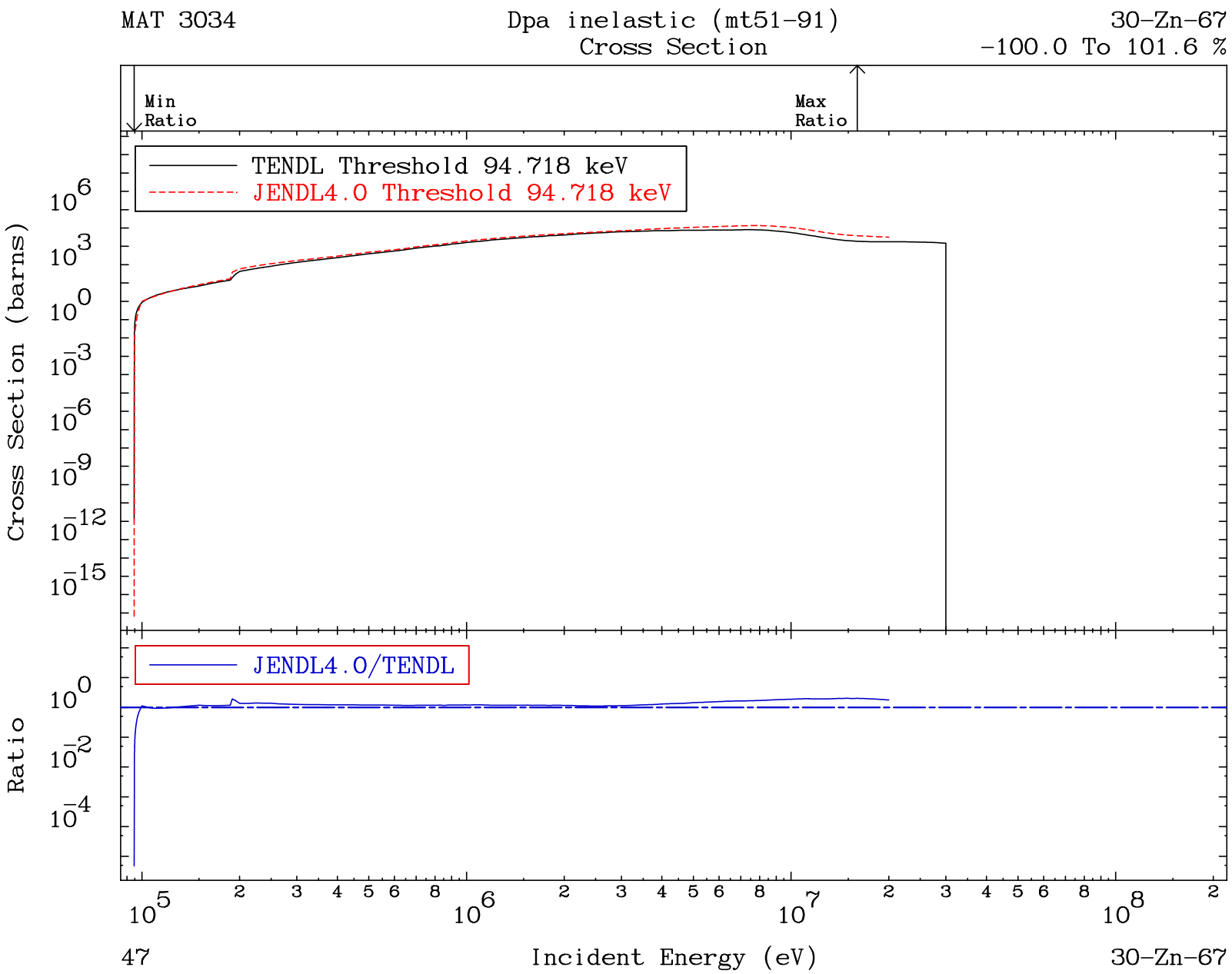

MAT 3034
Kerma capture (mt102)
Cross Section
30-Zn-67
-98.80 To 5016. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
42
30-Zn-67

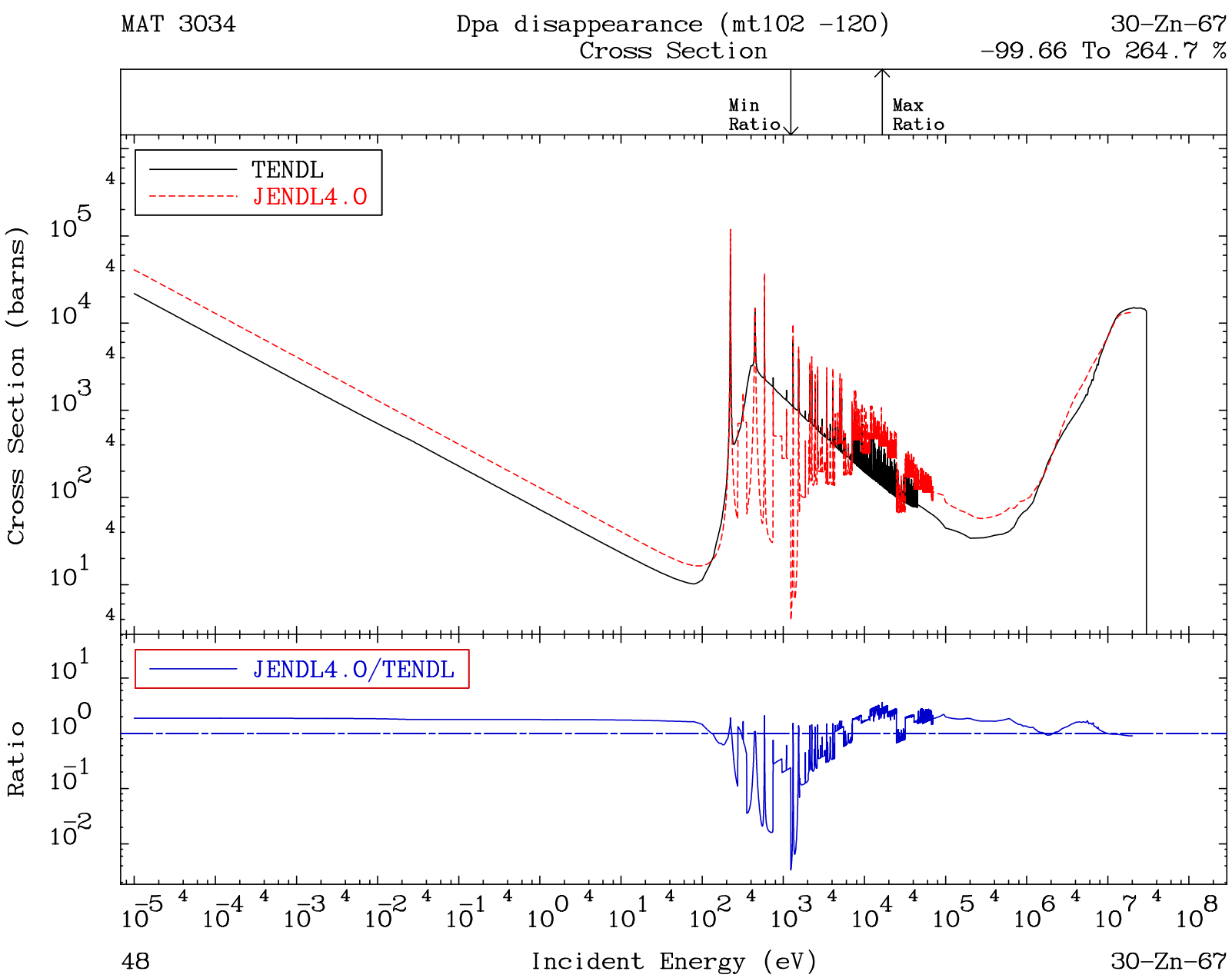

MAT 3034
Total photon (eV-barns)
Cross Section
30-Zn-67
-99.30 To 2756. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
43
30-Zn-67

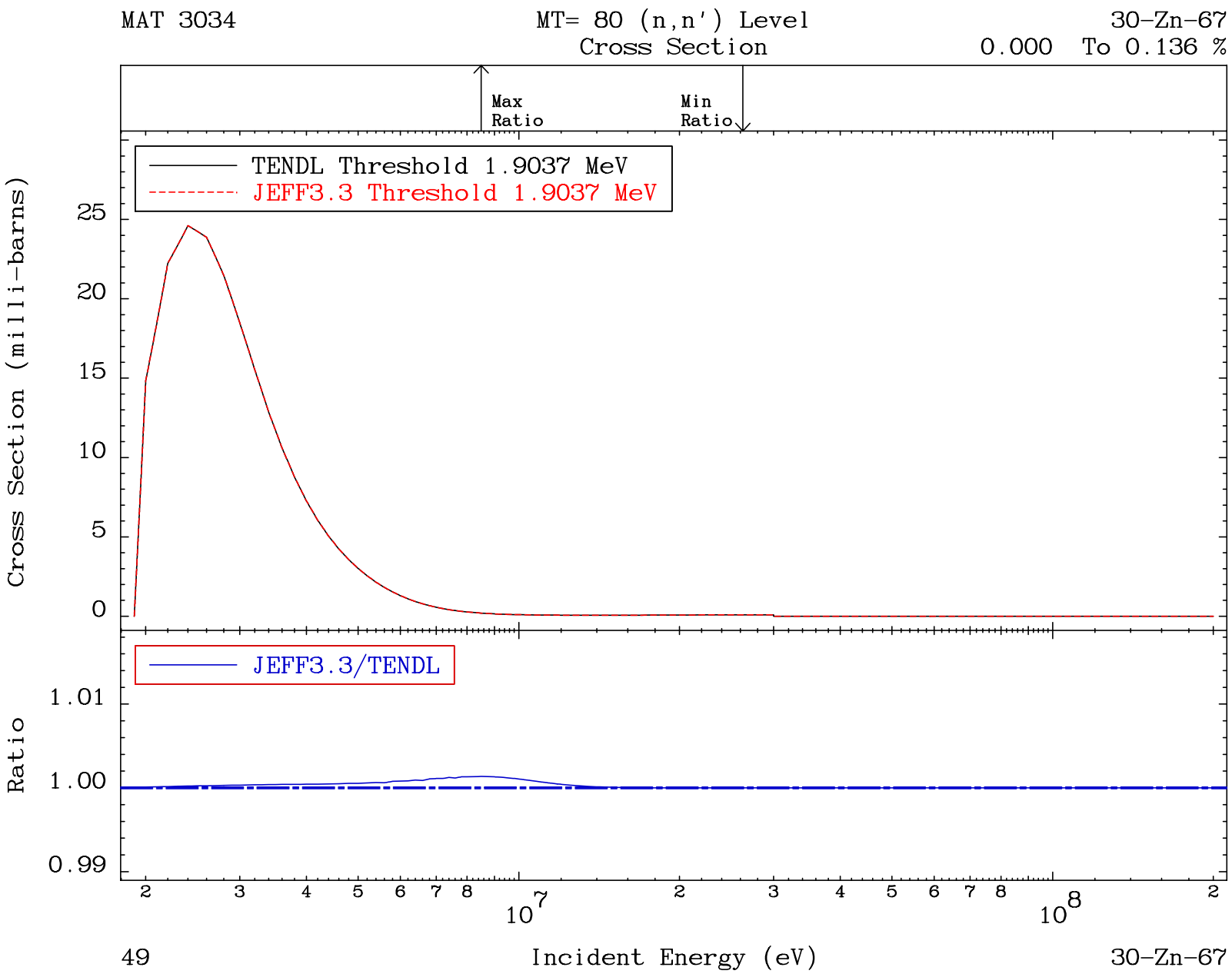

MAT 3034
Total kinematic kerma (high limit)
Cross Section
30-Zn-67
-99.66 To 271.8 %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
44
30-Zn-67

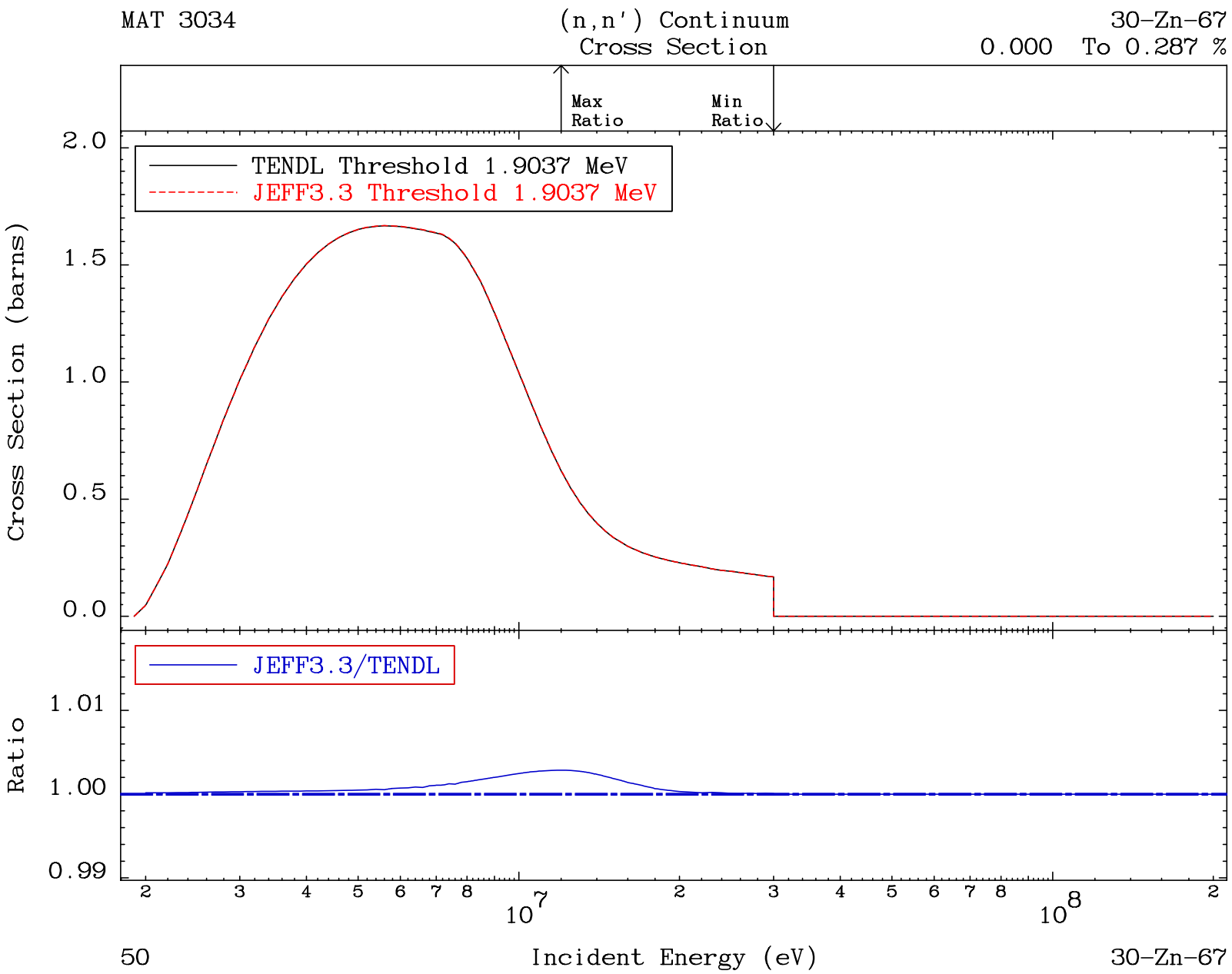

MAT 3034
Dpa total (eV-barns)
Cross Section
30-Zn-67
-96.43 To 295.8 %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
45
30-Zn-67

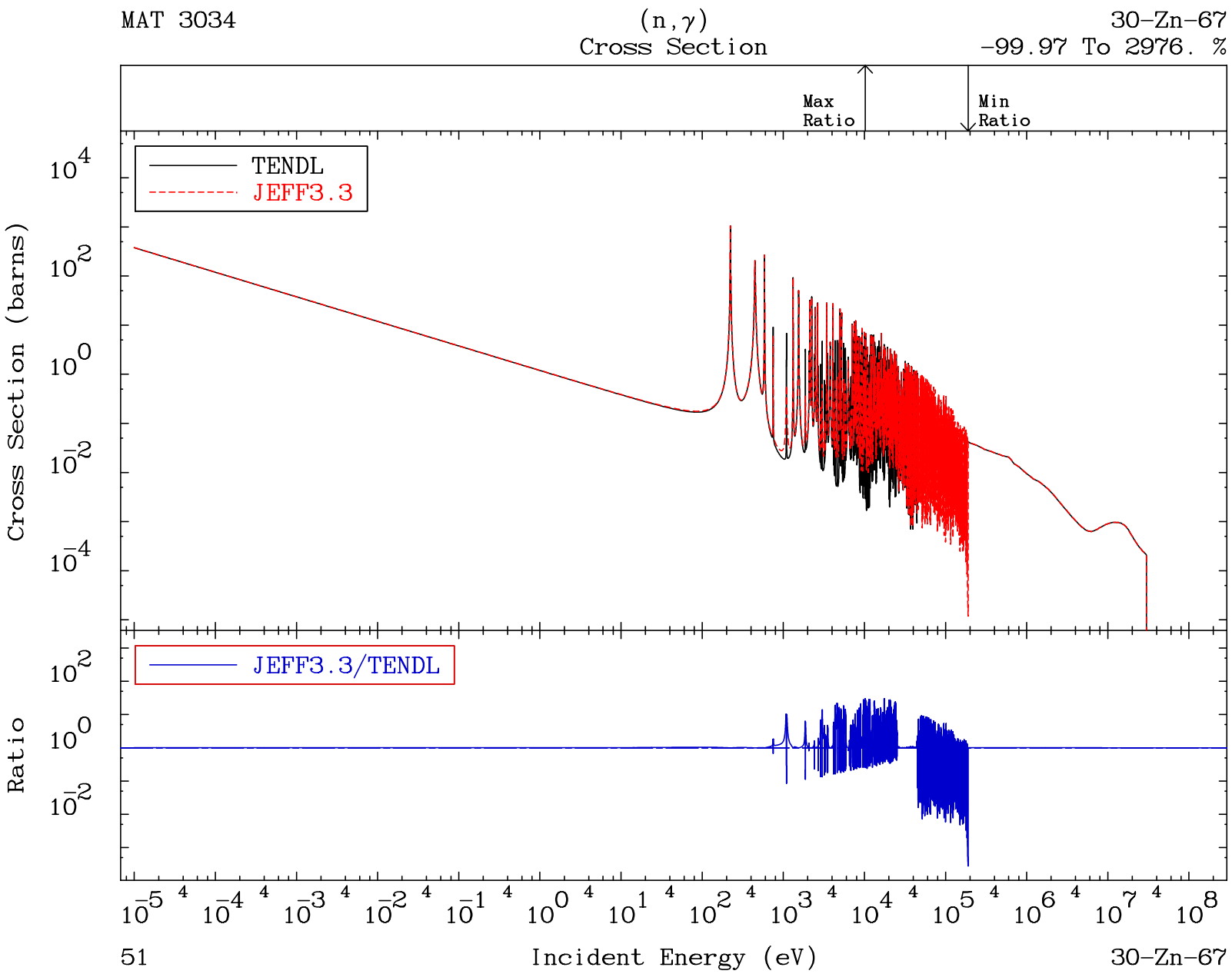

MAT 3034
Dpa elastic (mt2)
Cross Section
30-Zn-67
-97.52 To 4527. %
Max Ratio
Min Ratio
TENDL Threshold 418.07 eV
JENDL4.0 Threshold 400.67 eV
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
46
30-Zn-67

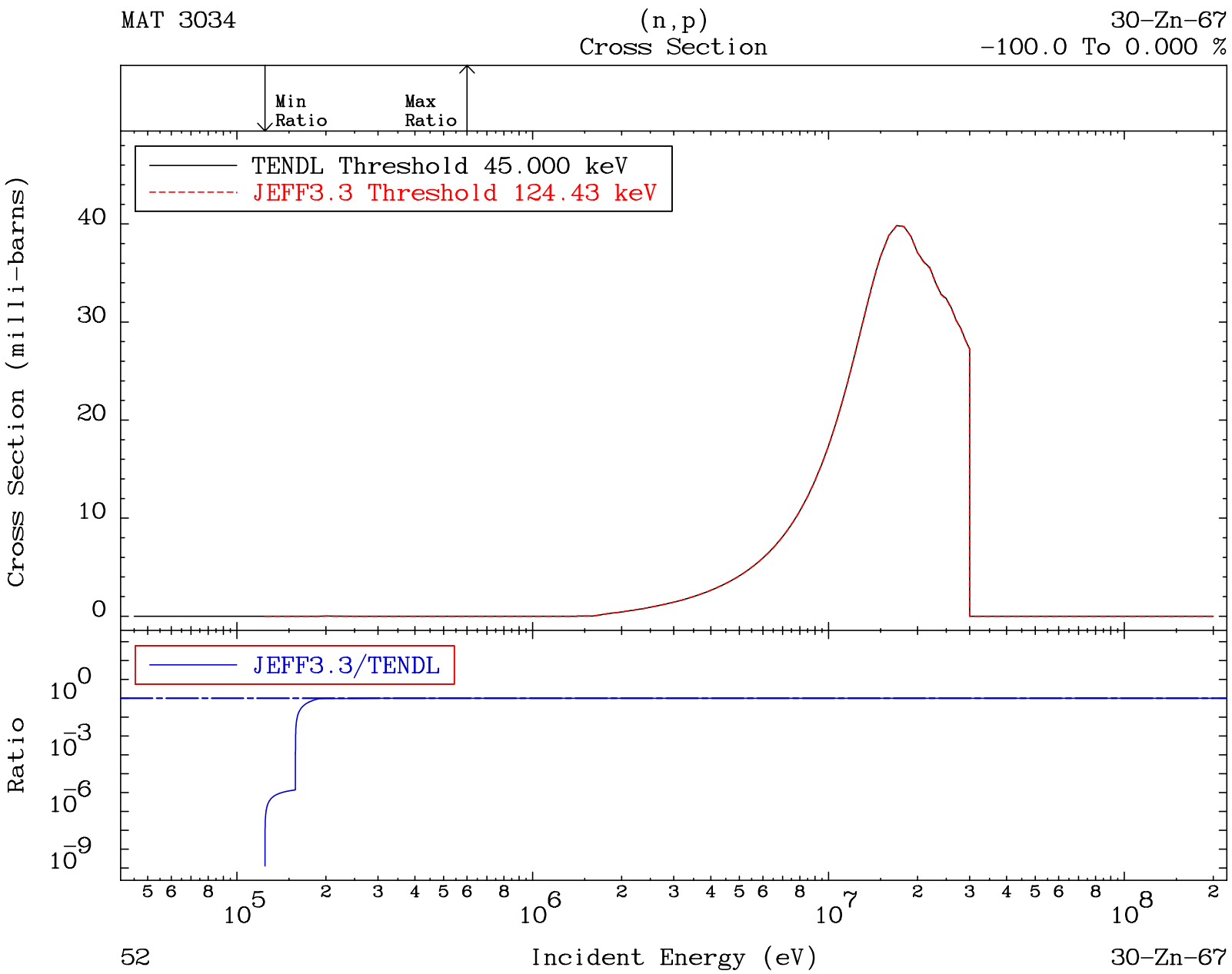

MAT 3034
Dpa inelastic (mt51-91)
Cross Section
30-Zn-67
-100.0 To 101.6 %
Min Ratio
Max Ratio
TENDL Threshold 94.718 keV
JENDL4.0 Threshold 94.718 keV
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
47
30-Zn-67

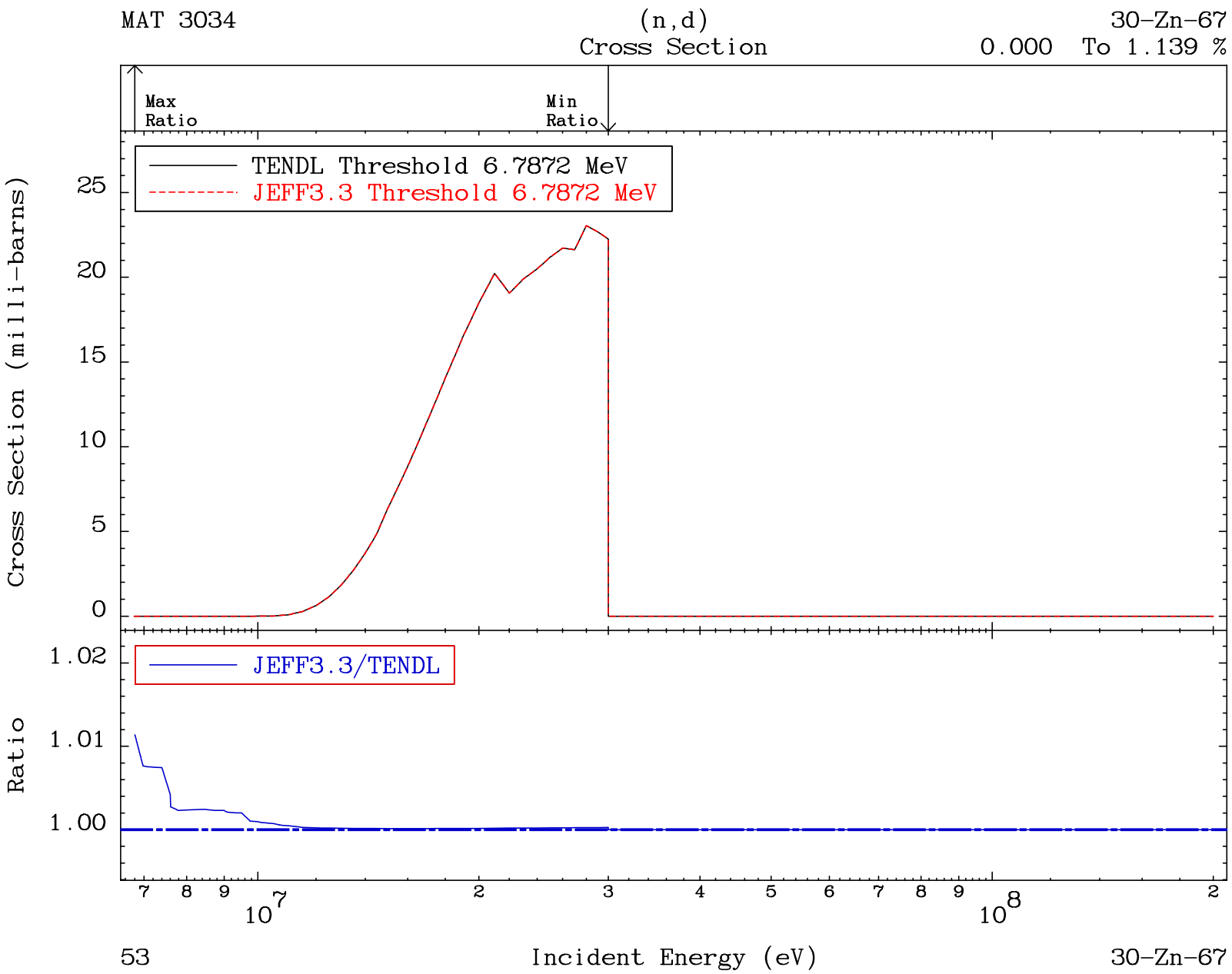

MAT 3034
Dpa disappearance (mt102 -120)
Cross Section
30-Zn-67
-99.66 To 264.7 %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
48
30-Zn-67

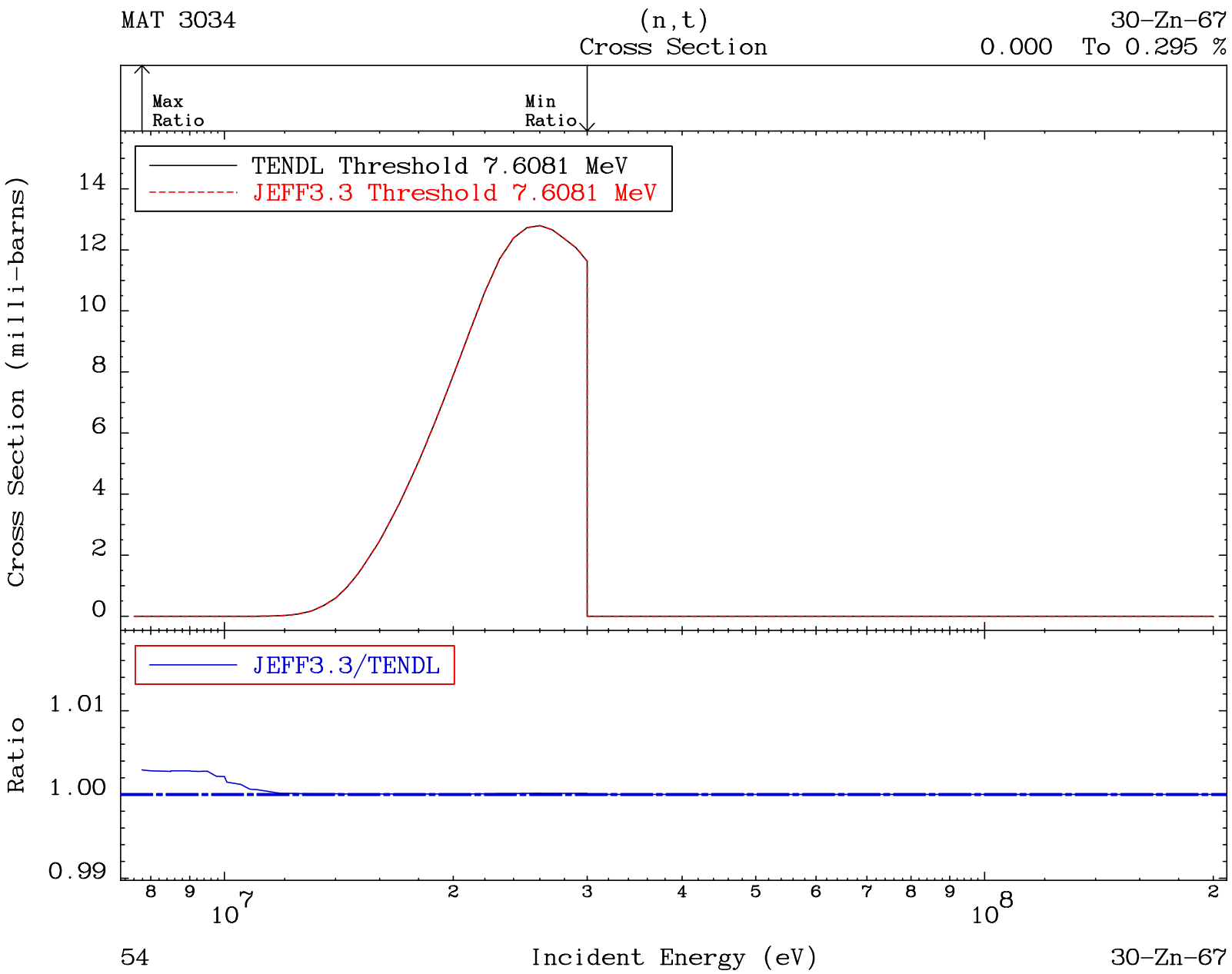

MAT 3034
MT= 80 (n,n') Level
Cross Section
30-Zn-67
0.000 To 0.136 %
Max Ratio
Min Ratio
TENDL Threshold 1.9037 MeV
JEFF3.3 Threshold 1.9037 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
49
Incident Energy (eV)
30-Zn-67

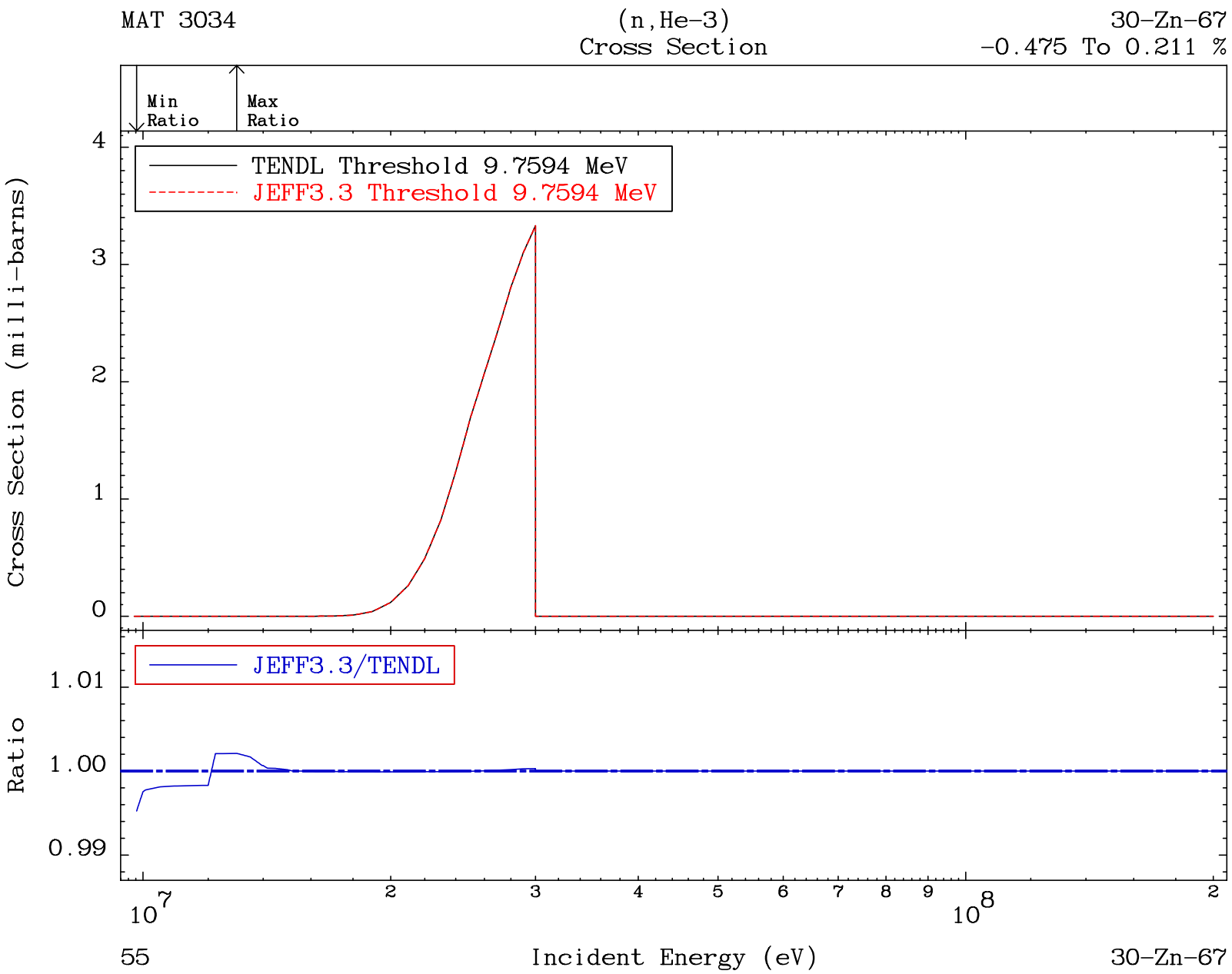

MAT 3034
(n,n') Continuum
Cross Section
30-Zn-67
0.000 To 0.287 %
Max Ratio
Min Ratio
TENDL Threshold 1.9037 MeV
JEFF3.3 Threshold 1.9037 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
50
Incident Energy (eV)
30-Zn-67

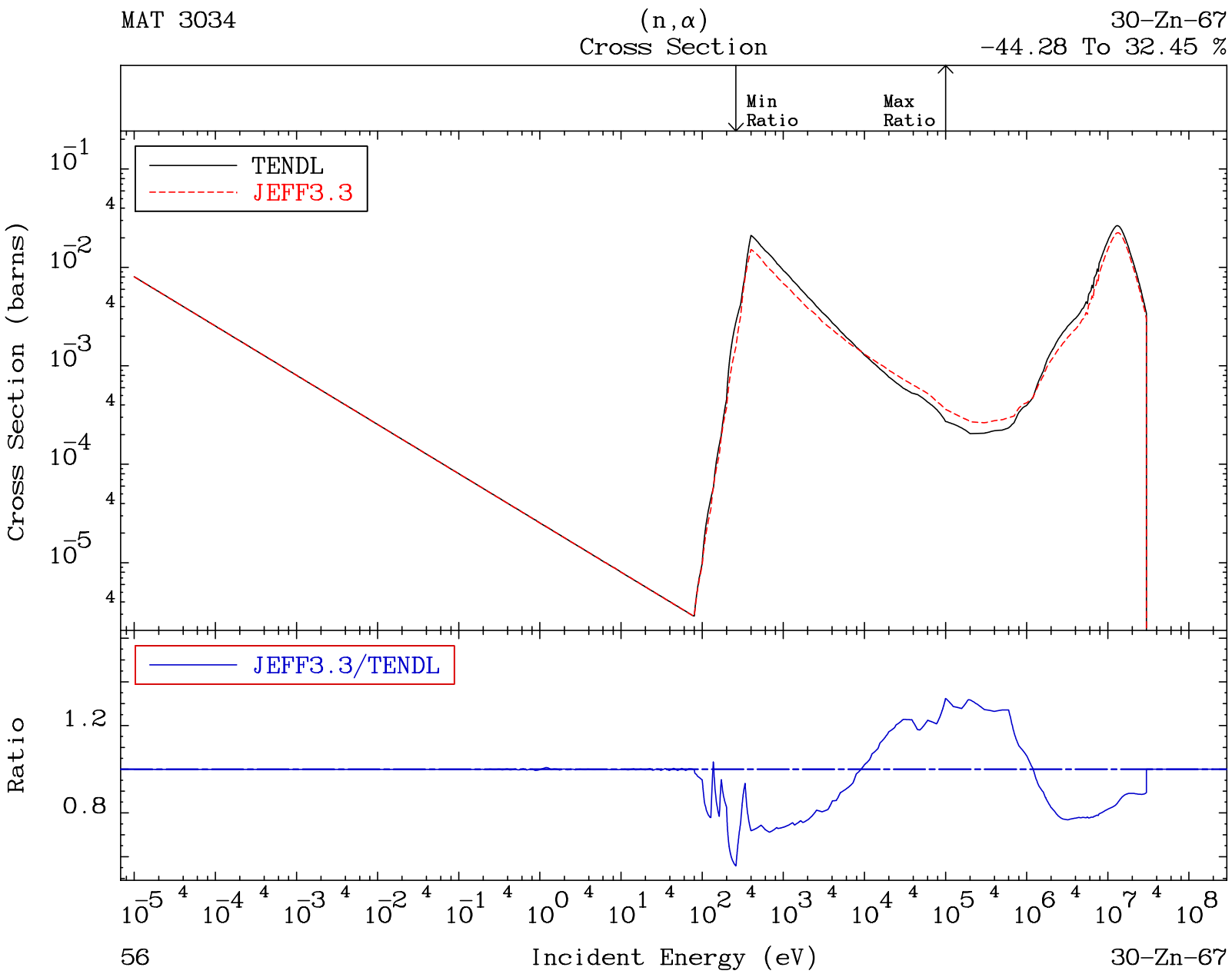

MAT 3034
(n,γ)
Cross Section
30-Zn-67
-99.97 To 2976. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
51
30-Zn-67

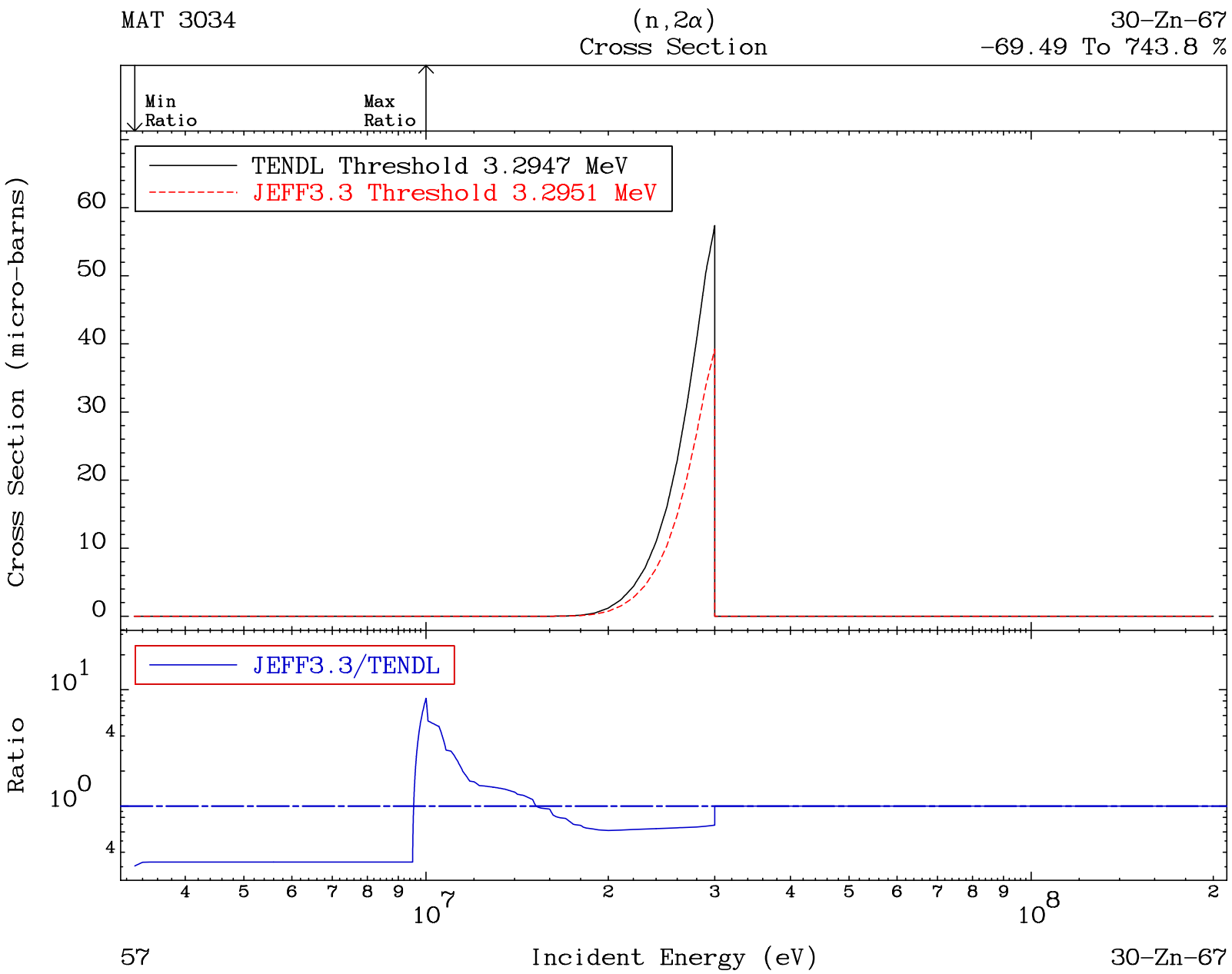

MAT 3034
(n,p)
Cross Section
30-Zn-67
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 45.000 keV
JEFF3.3 Threshold 124.43 keV
Cross Section (milli-barns)
0
10
20
30
40
JEFF3.3/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
52
Incident Energy (eV)
30-Zn-67

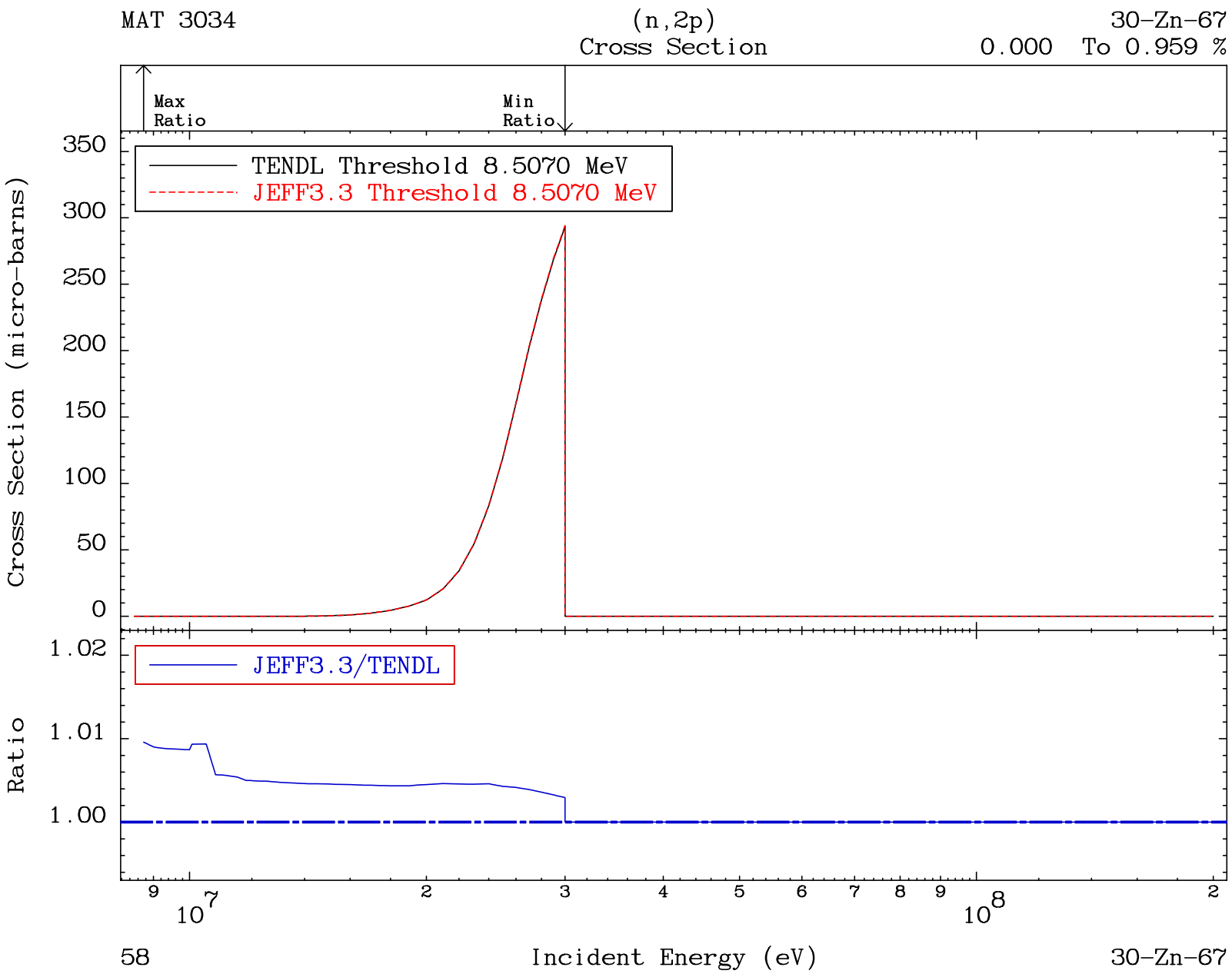

MAT 3034
(n,d)
Cross Section
30-Zn-67
0.000 To 1.139 %
Max Ratio
Min Ratio
TENDL Threshold 6.7872 MeV
JEFF3.3 Threshold 6.7872 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
53
Incident Energy (eV)
30-Zn-67

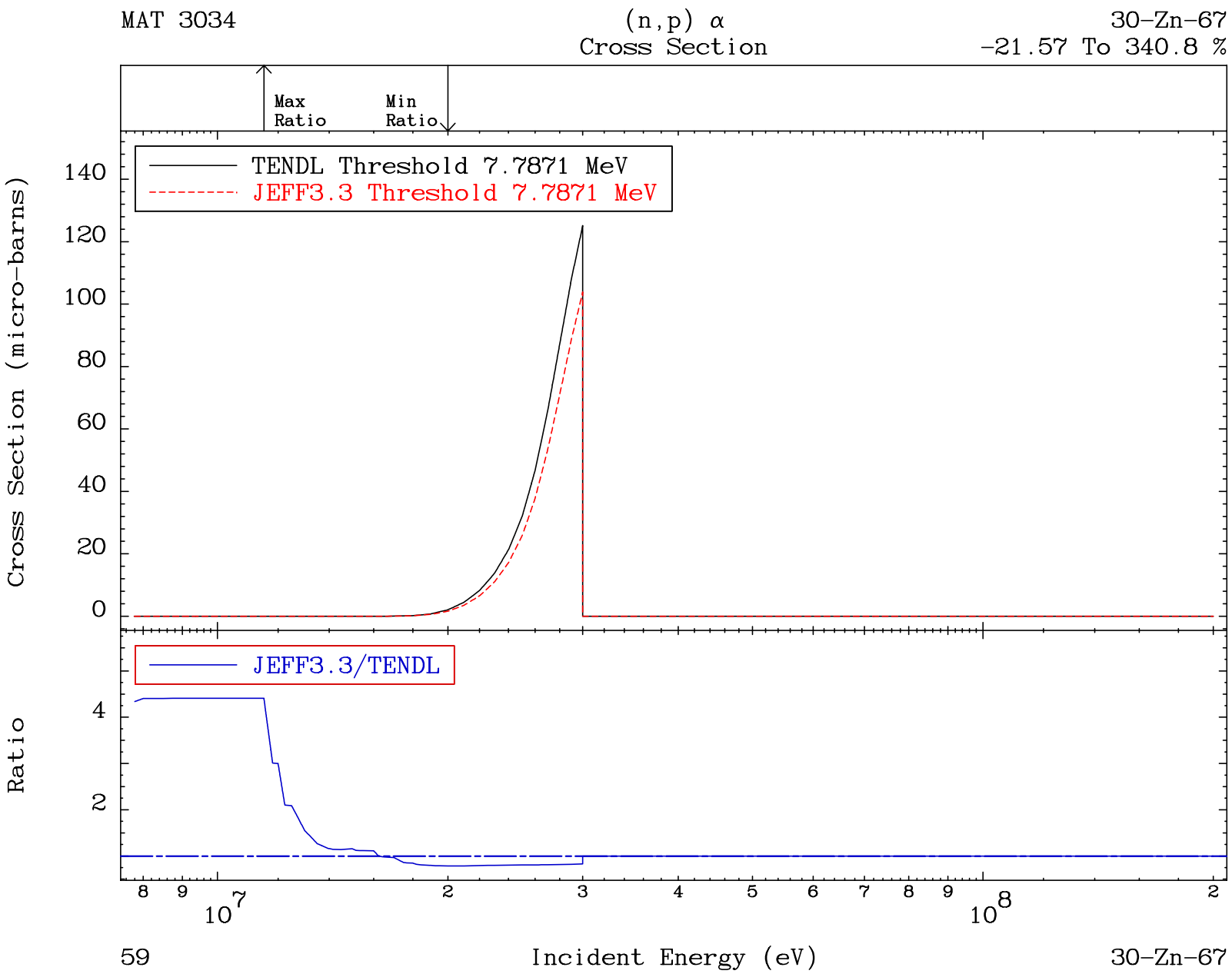

MAT 3034
(n,t)
Cross Section
30-Zn-67
0.000 To 0.295 %
Max Ratio
Min Ratio
TENDL Threshold 7.6081 MeV
JEFF3.3 Threshold 7.6081 MeV
Cross Section (milli-barns)
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
54
Incident Energy (eV)
30-Zn-67

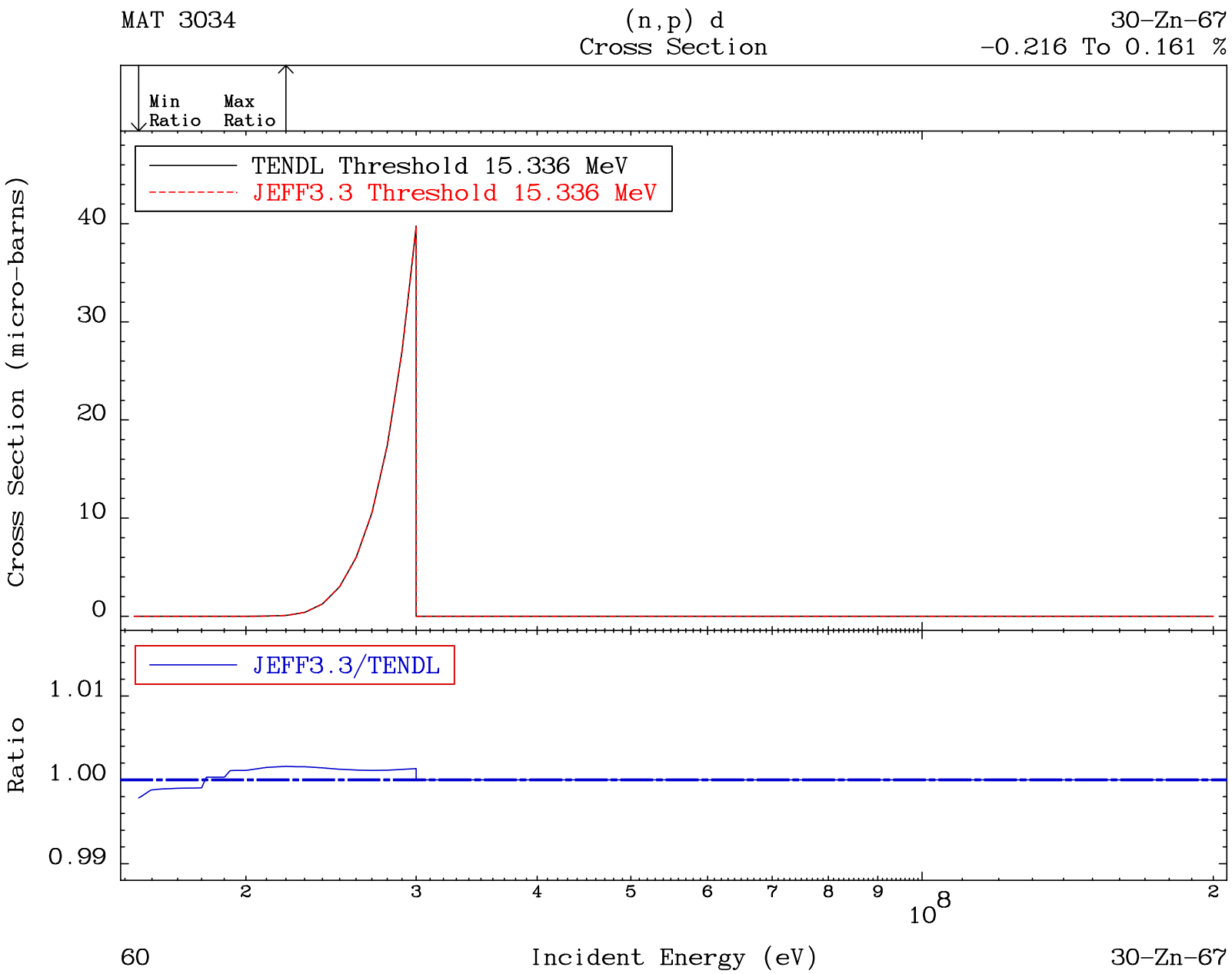

MAT 3034
(n,He-3)
Cross Section
30-Zn-67
-0.475 To 0.211 %
Min Ratio
Max Ratio
TENDL Threshold 9.7594 MeV
JEFF3.3 Threshold 9.7594 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
55
30-Zn-67

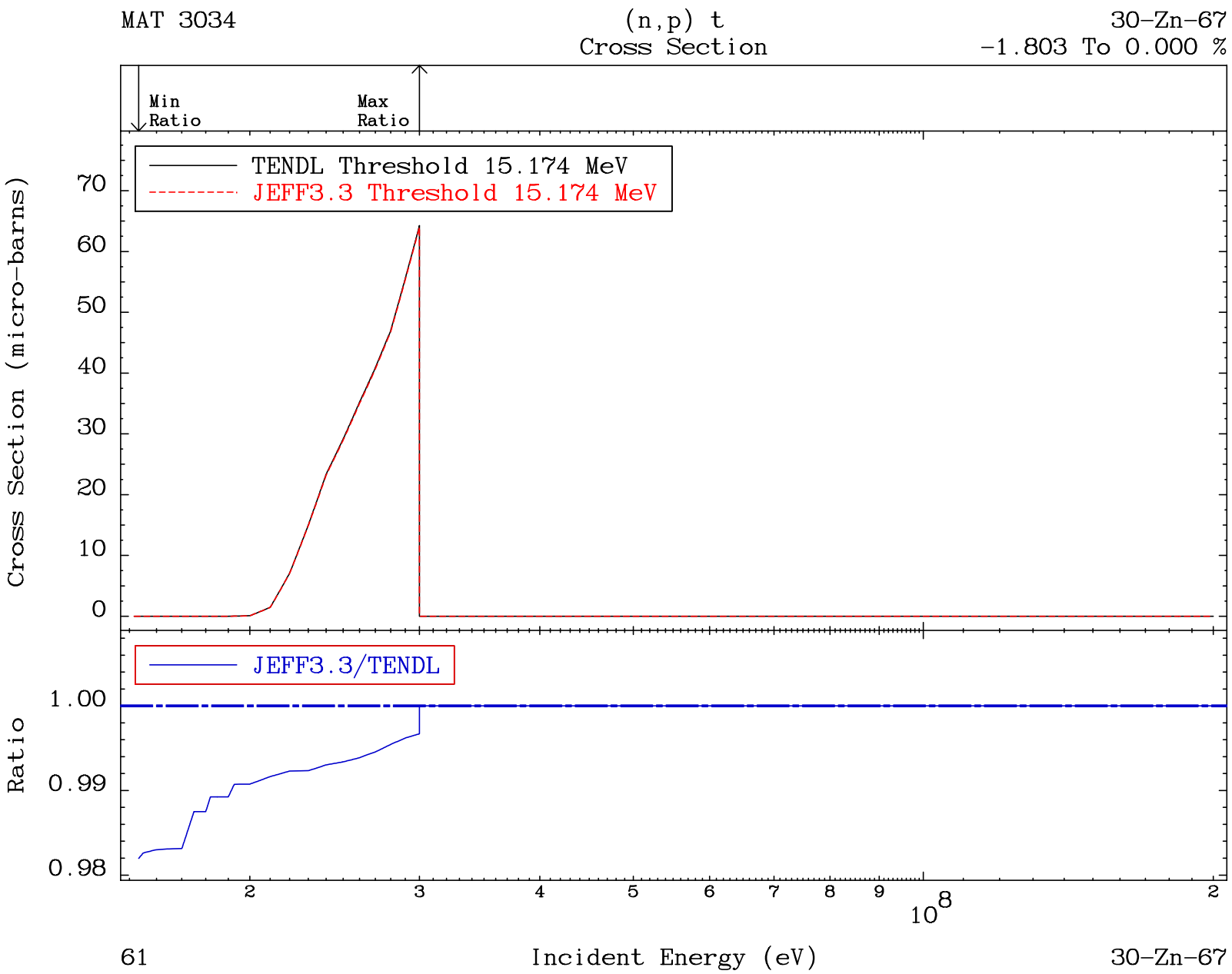

MAT 3034
(n,α)
Cross Section
30-Zn-67
-44.28 To 32.45 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
1.2
0.8
56
Incident Energy (eV)
30-Zn-67

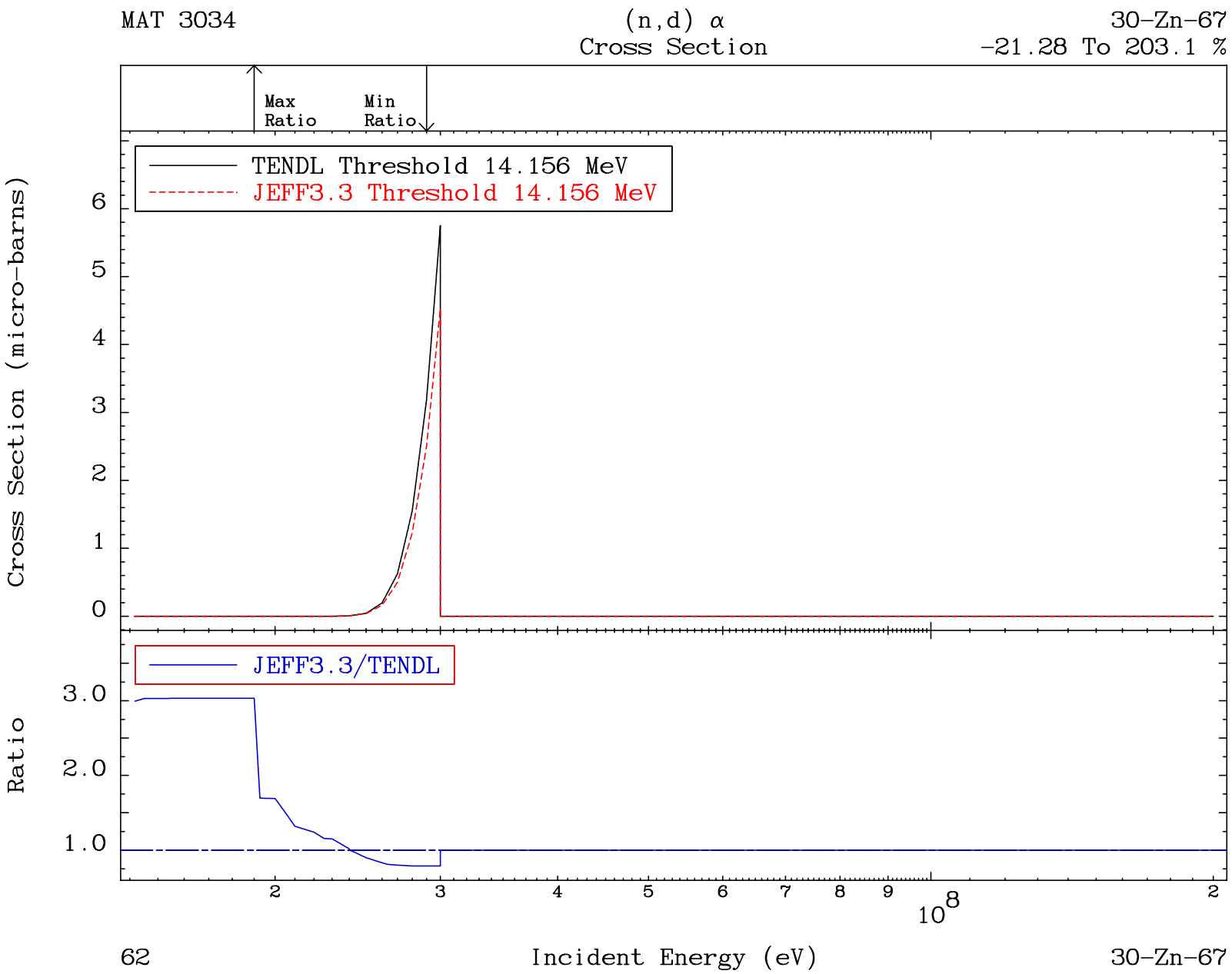

MAT 3034
(n,2α)
Cross Section
30-Zn-67
-69.49 To 743.8 %
Min Ratio
Max Ratio
TENDL Threshold 3.2947 MeV
JEFF3.3 Threshold 3.2951 MeV
Cross Section (micro-barns)
0
10
20
30
40
50
60
JEFF3.3/TENDL
Ratio
10^1
10^0
4
4
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
57
Incident Energy (eV)
30-Zn-67

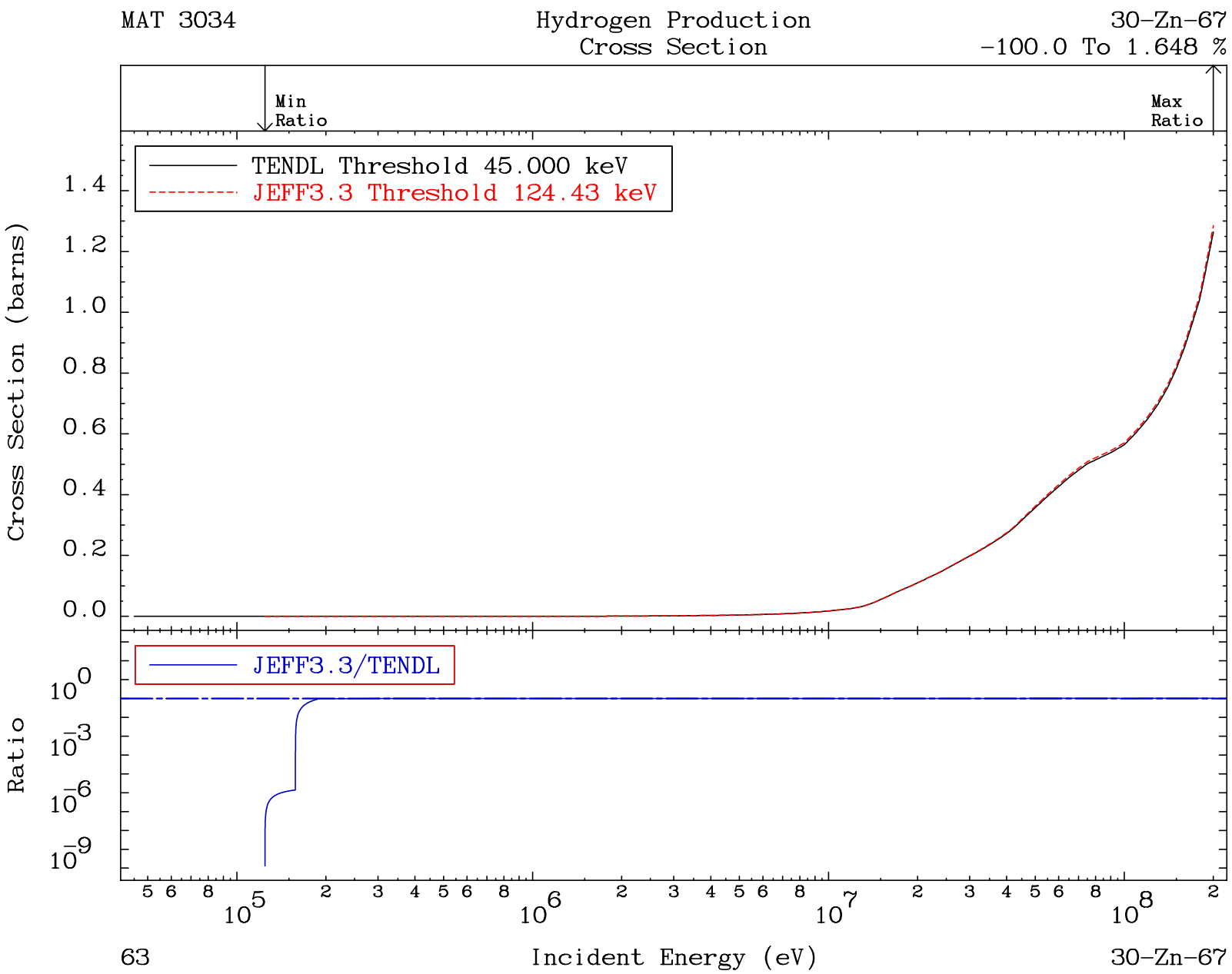

MAT 3034
(n,2p)
Cross Section
30-Zn-67
0.000 To 0.959 %
Max Ratio
Min Ratio
TENDL Threshold 8.5070 MeV
JEFF3.3 Threshold 8.5070 MeV
Cross Section (micro-barns)
350
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
9
10^7
2
3
4
5
6
7
8
9
10^8
2
58
Incident Energy (eV)
30-Zn-67

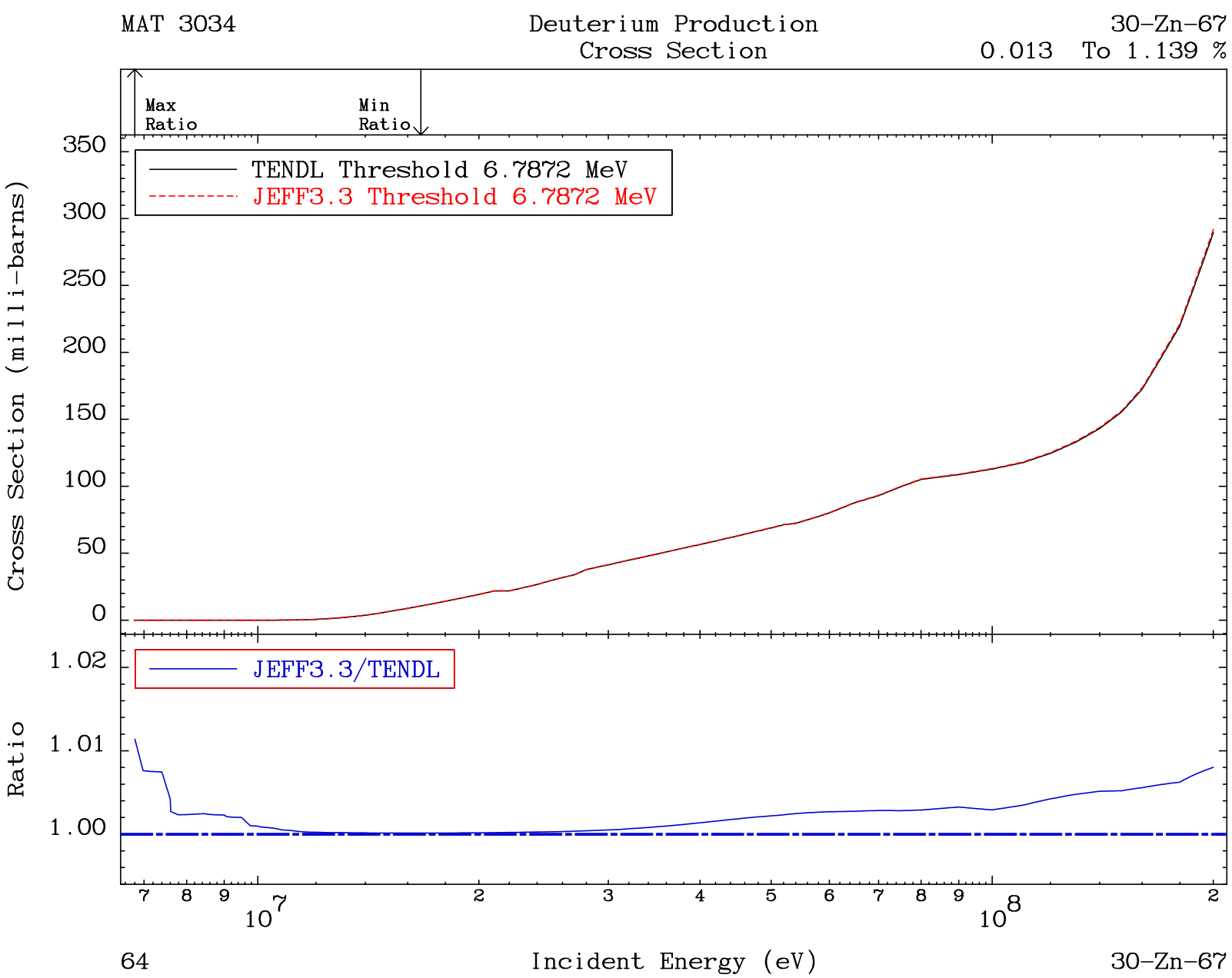

MAT 3034
(n,p) α
Cross Section
30-Zn-67
-21.57 To 340.8 %
Max Ratio
Min Ratio
TENDL Threshold 7.7871 MeV
JEFF3.3 Threshold 7.7871 MeV
Cross Section (micro-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
4
2
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
59
Incident Energy (eV)
30-Zn-67

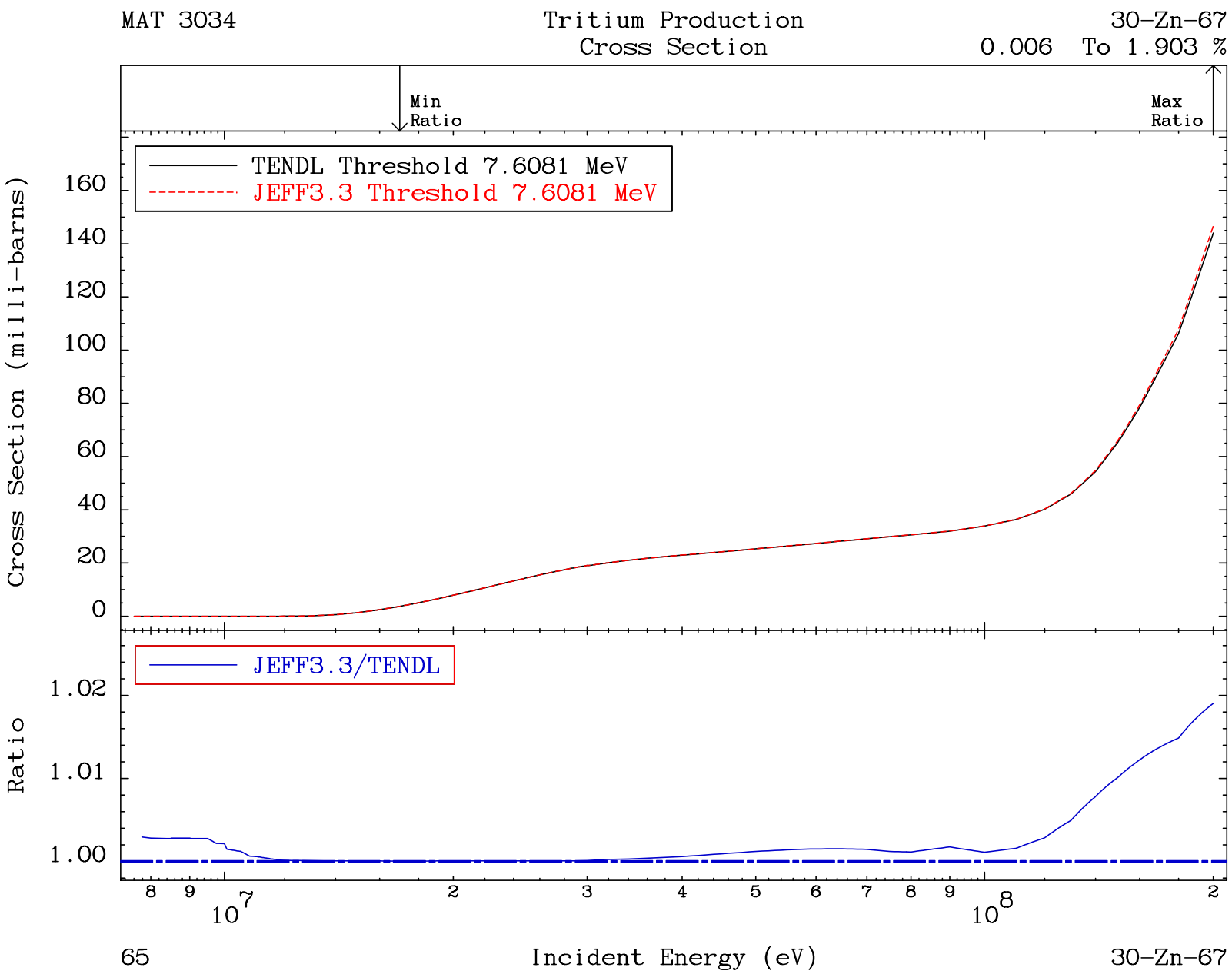

MAT 3034
(n,p) d
Cross Section
30-Zn-67
-0.216 To 0.161 %
Min Ratio
Max Ratio
TENDL Threshold 15.336 MeV
JEFF3.3 Threshold 15.336 MeV
Cross Section (micro-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
60
Incident Energy (eV)
30-Zn-67

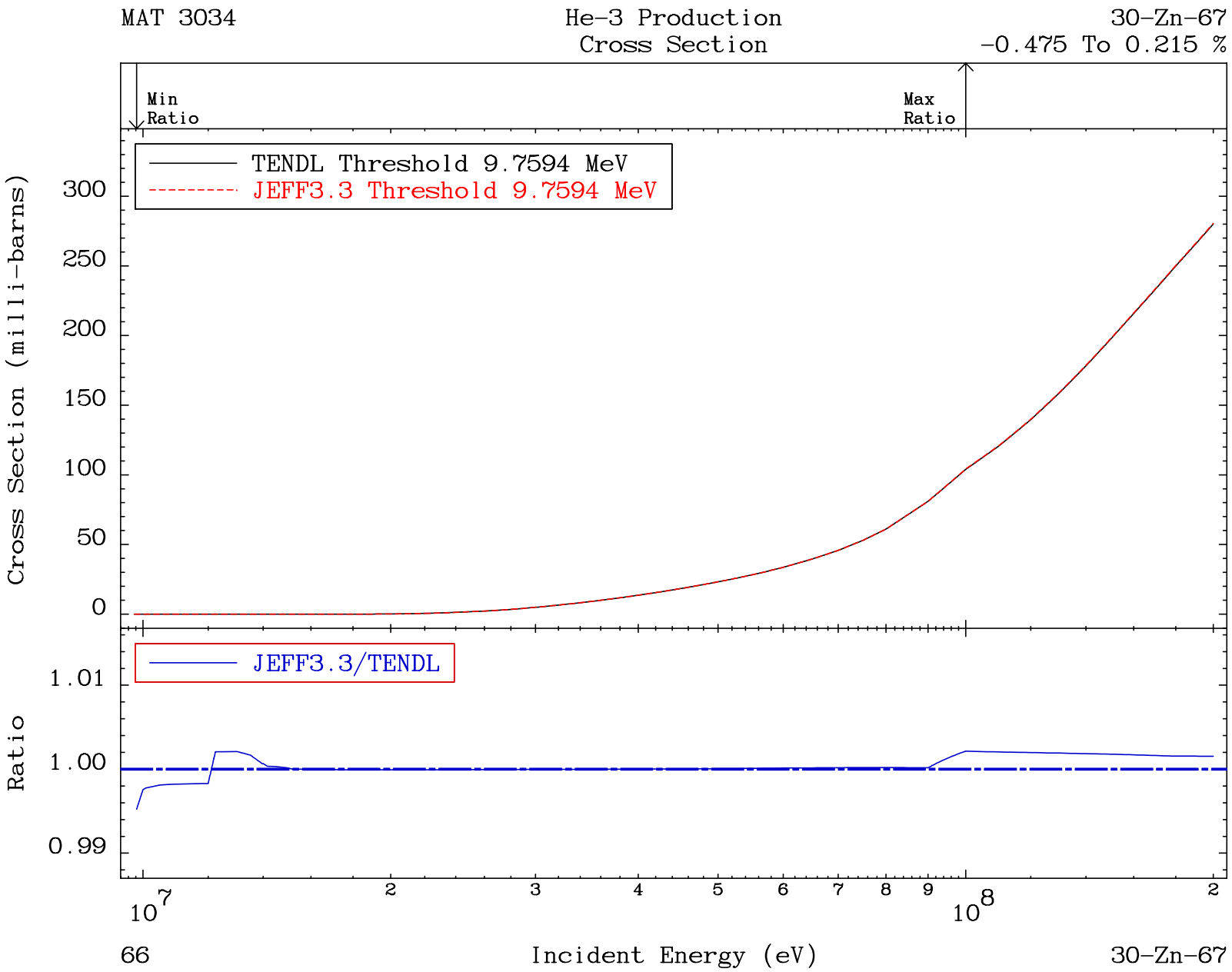

MAT 3034
(n,p) t
Cross Section
30-Zn-67
-1.803 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 15.174 MeV
JEFF3.3 Threshold 15.174 MeV
Cross Section (micro-barns)
70
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.00
0.99
0.98
2
3
4
5
6
7
8
9
10^8
2
61
Incident Energy (eV)
30-Zn-67

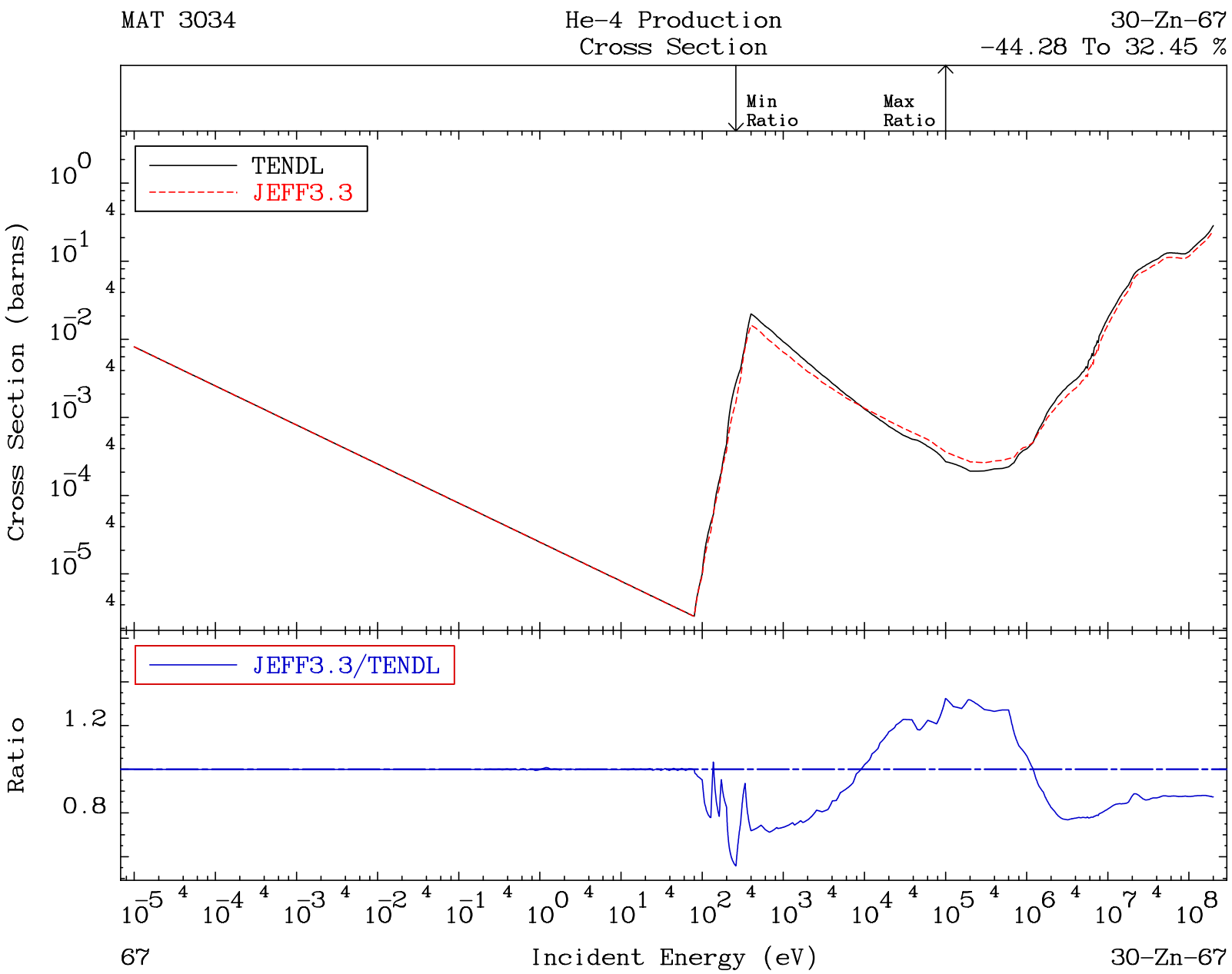

MAT 3034
(n,d) α
Cross Section
30-Zn-67
-21.28 To 203.1 %
Max Ratio
Min Ratio
TENDL Threshold 14.156 MeV
JEFF3.3 Threshold 14.156 MeV
Cross Section (micro-barns)
0
1
2
3
4
5
6
JEFF3.3/TENDL
Ratio
1.0
2.0
3.0
2
3
4
5
6
7
8
9
10^8
2
62
Incident Energy (eV)
30-Zn-67

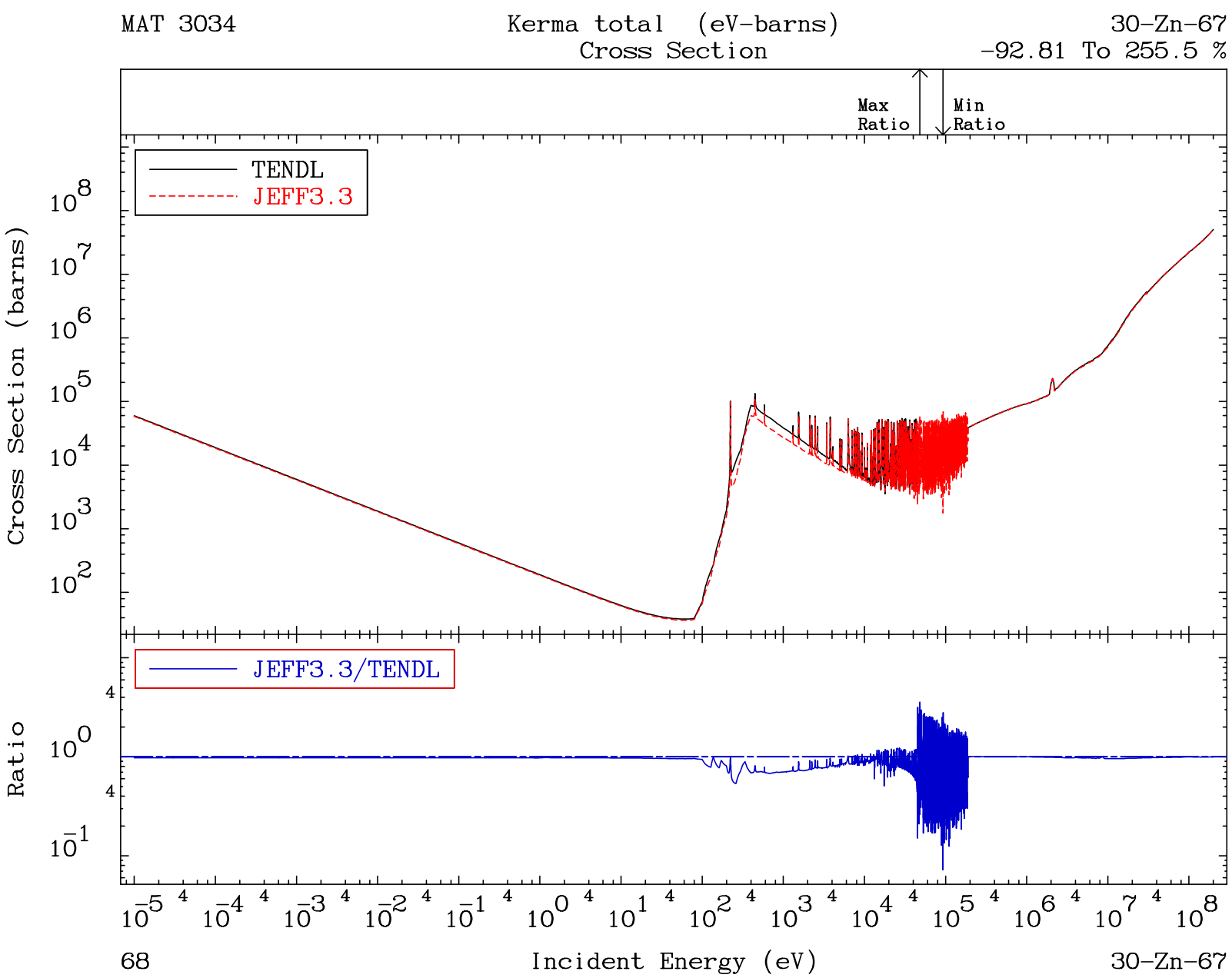

MAT 3034
Hydrogen Production
Cross Section
30-Zn-67
-100.0 To 1.648 %
Min Ratio
Max Ratio
TENDL Threshold 45.000 keV
JEFF3.3 Threshold 124.43 keV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
63
Incident Energy (eV)
30-Zn-67

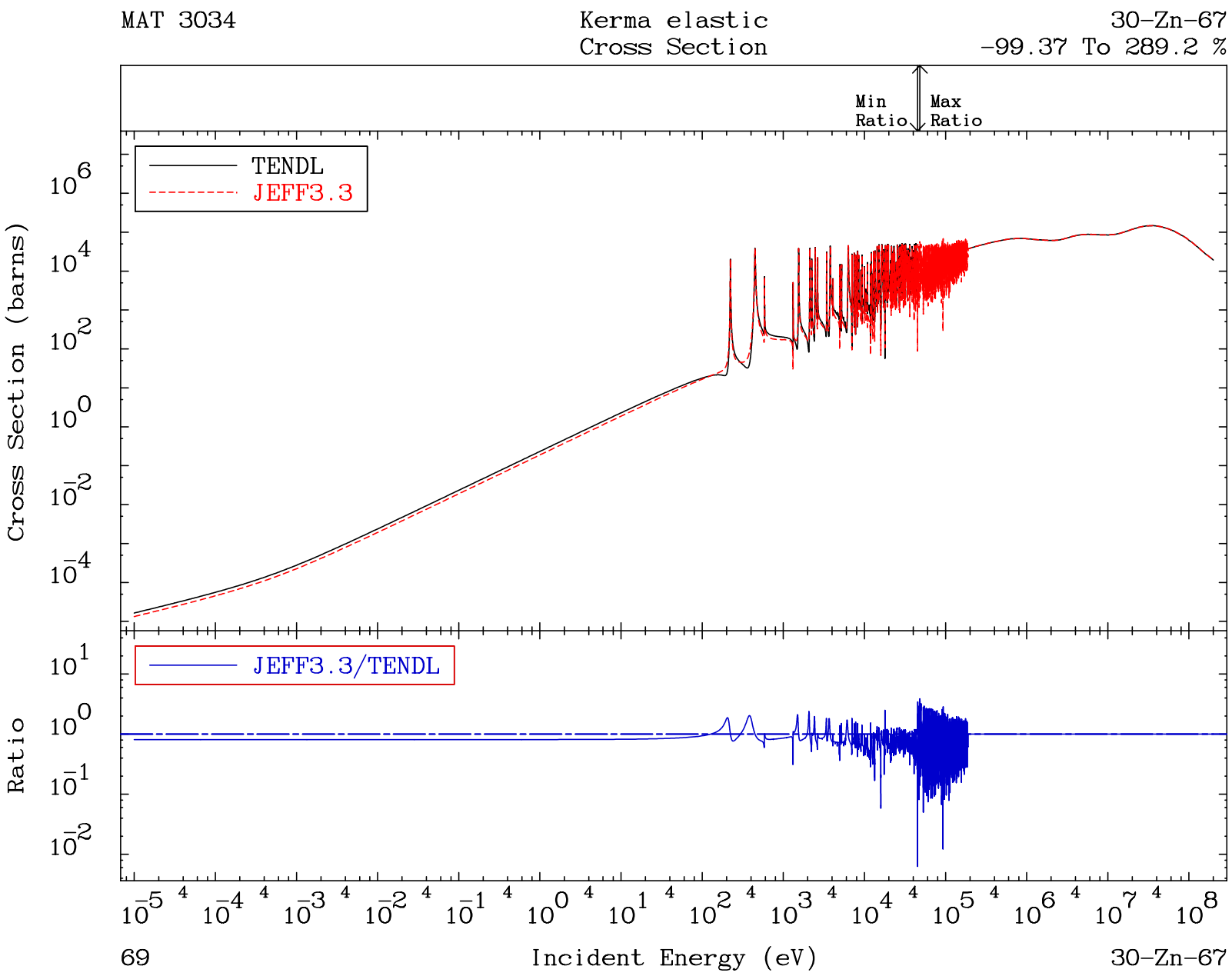

MAT 3034
Deuterium Production
Cross Section
30-Zn-67
0.013 To 1.139 %
Max Ratio
Min Ratio
TENDL Threshold 6.7872 MeV
JEFF3.3 Threshold 6.7872 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
64
Incident Energy (eV)
30-Zn-67

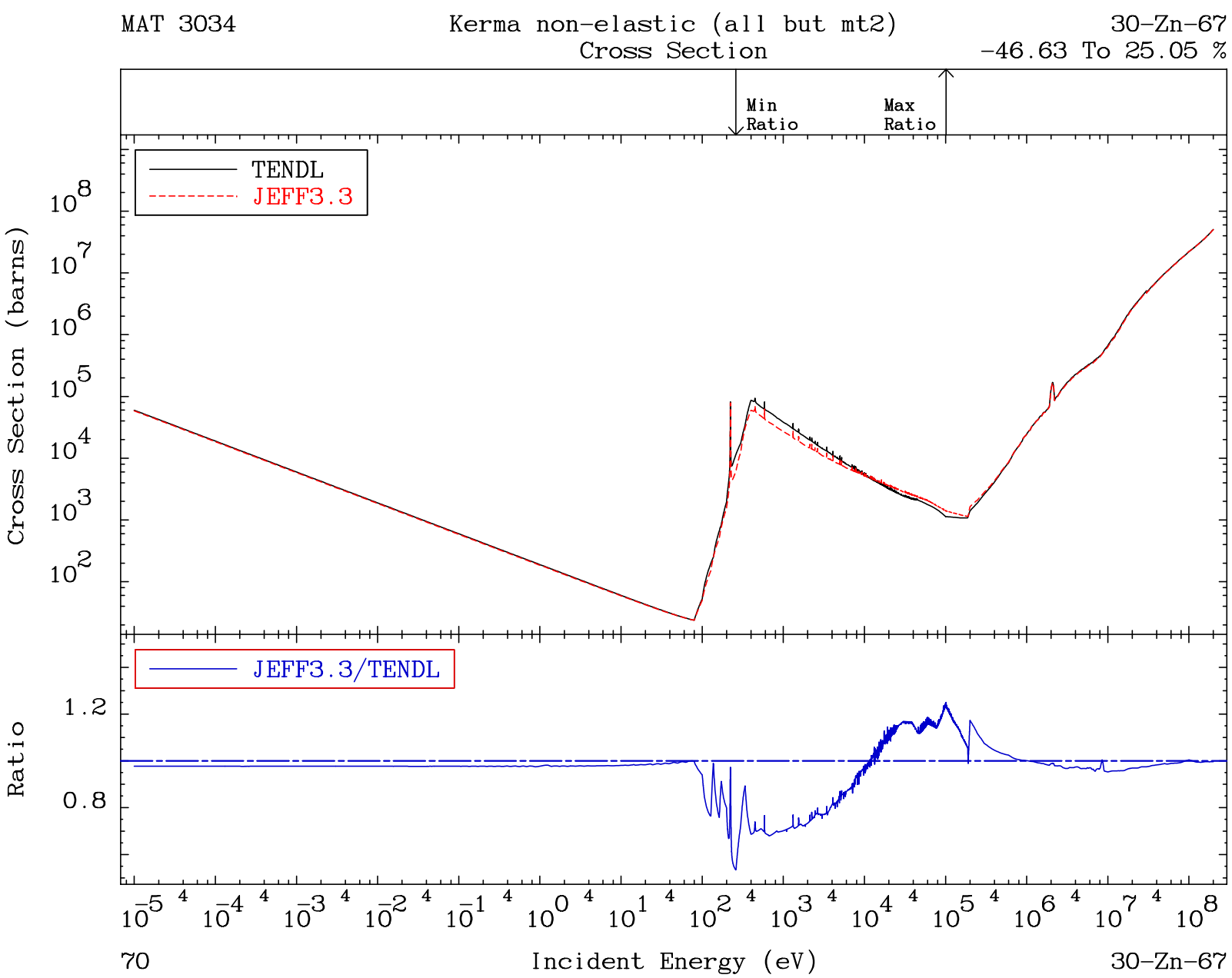

MAT 3034
Tritium Production
Cross Section
30-Zn-67
0.006 To 1.903 %
Min Ratio
Max Ratio
TENDL Threshold 7.6081 MeV
JEFF3.3 Threshold 7.6081 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
65
Incident Energy (eV)
30-Zn-67

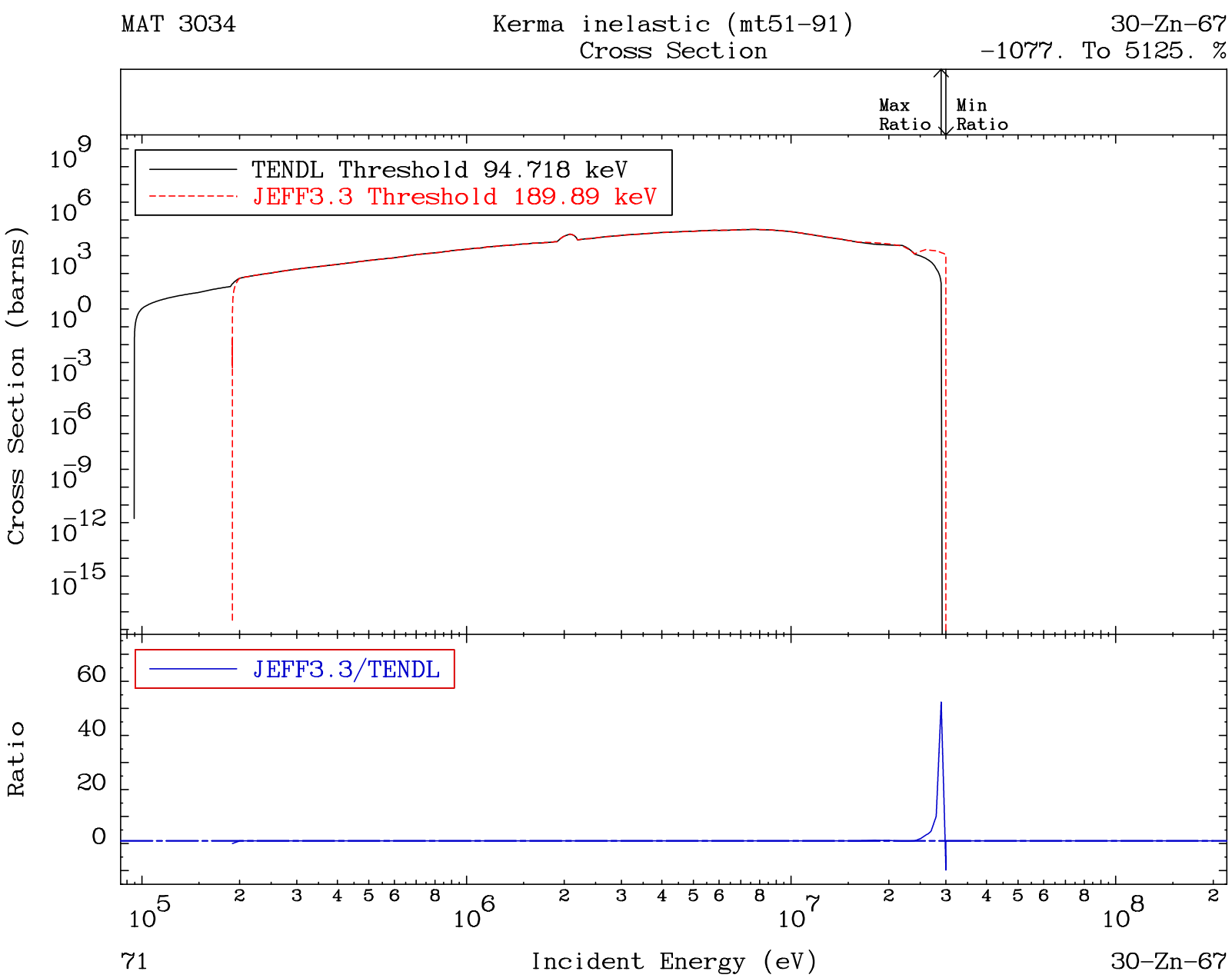

MAT 3034
He-3 Production
Cross Section
30-Zn-67
-0.475 To 0.215 %
Min
Ratio
Max
Ratio
TENDL Threshold 9.7594 MeV
JEFF3.3 Threshold 9.7594 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
10^7
2
3
4
5
6
7
8
9
10^8
2
66
Incident Energy (eV)
30-Zn-67

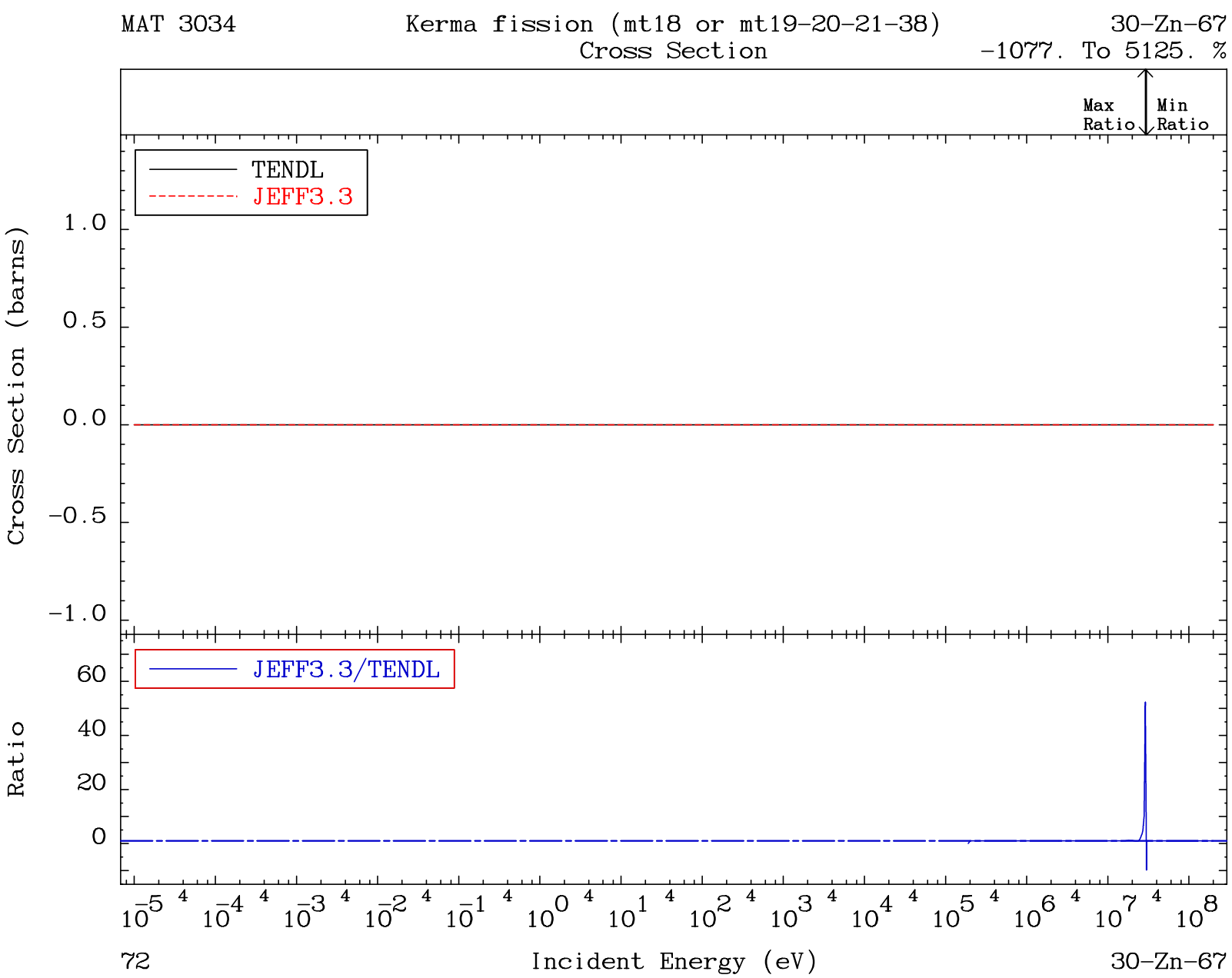

MAT 3034
He-4 Production
Cross Section
30-Zn-67
-44.28 To 32.45 %
Min
Ratio
Max
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
67
30-Zn-67

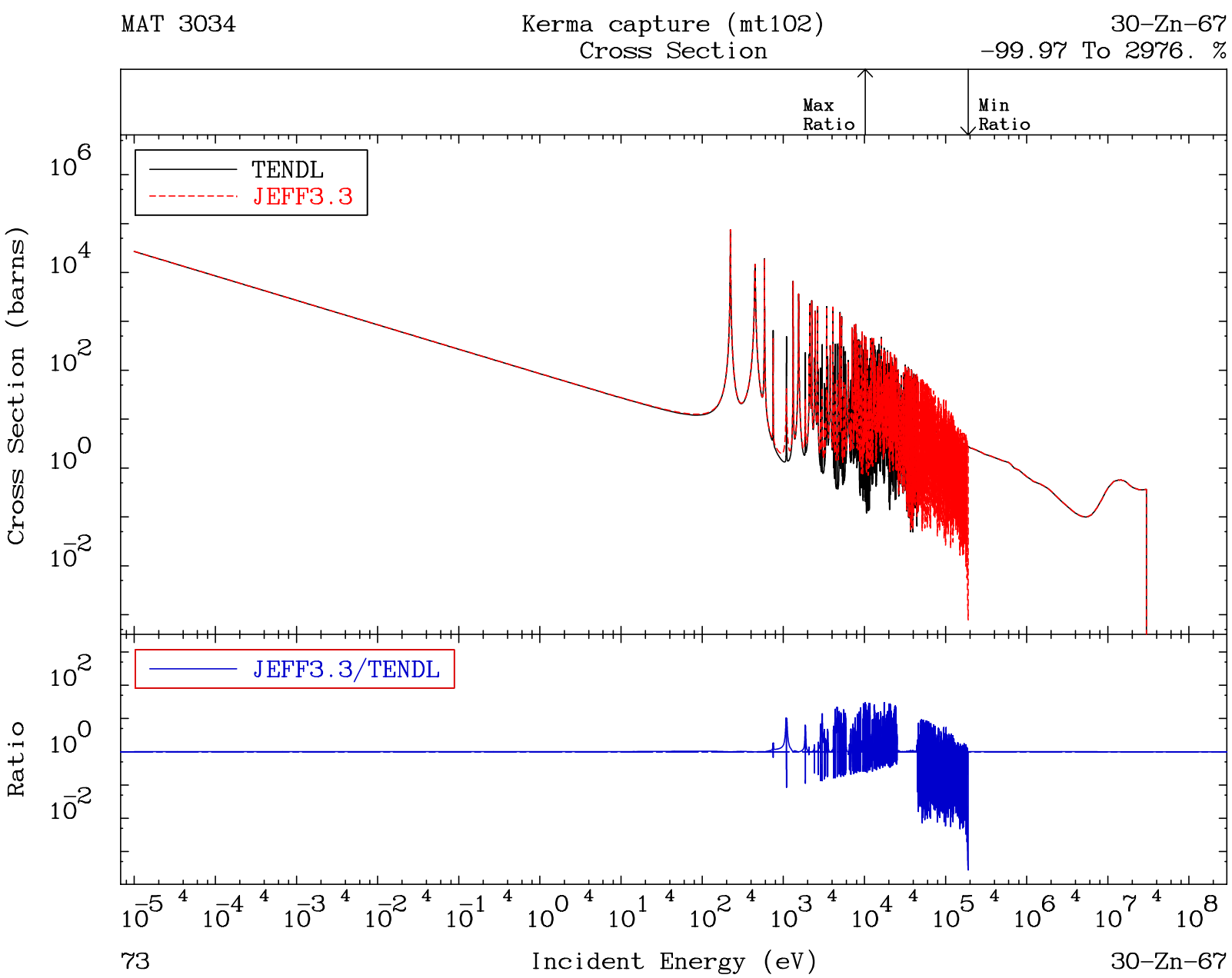

MAT 3034
Kerma total (eV-barns)
Cross Section
30-Zn-67
-92.81 To 255.5 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
68
30-Zn-67

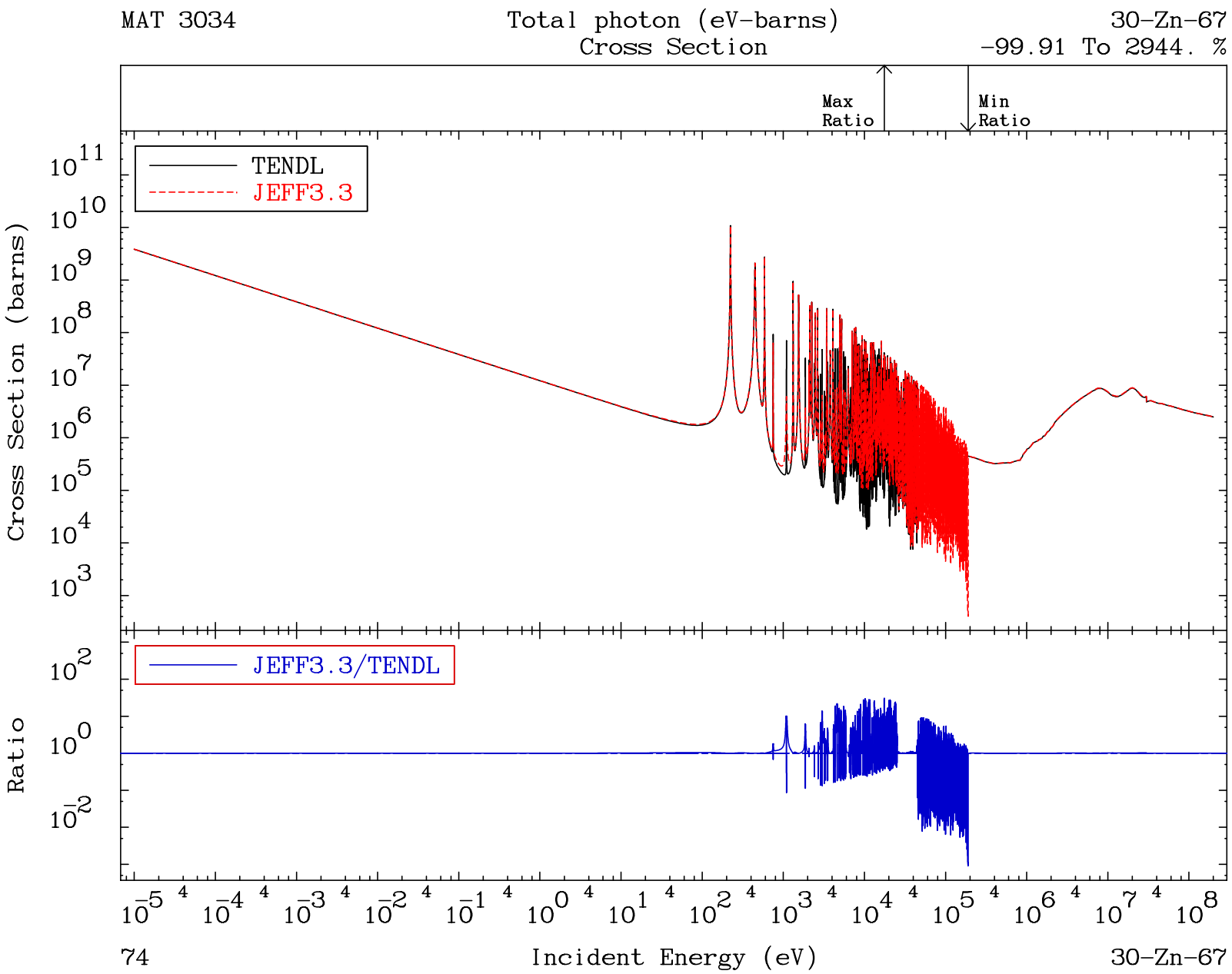

MAT 3034
Kerma elastic
Cross Section
30-Zn-67
-99.37 To 289.2 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
69
30-Zn-67

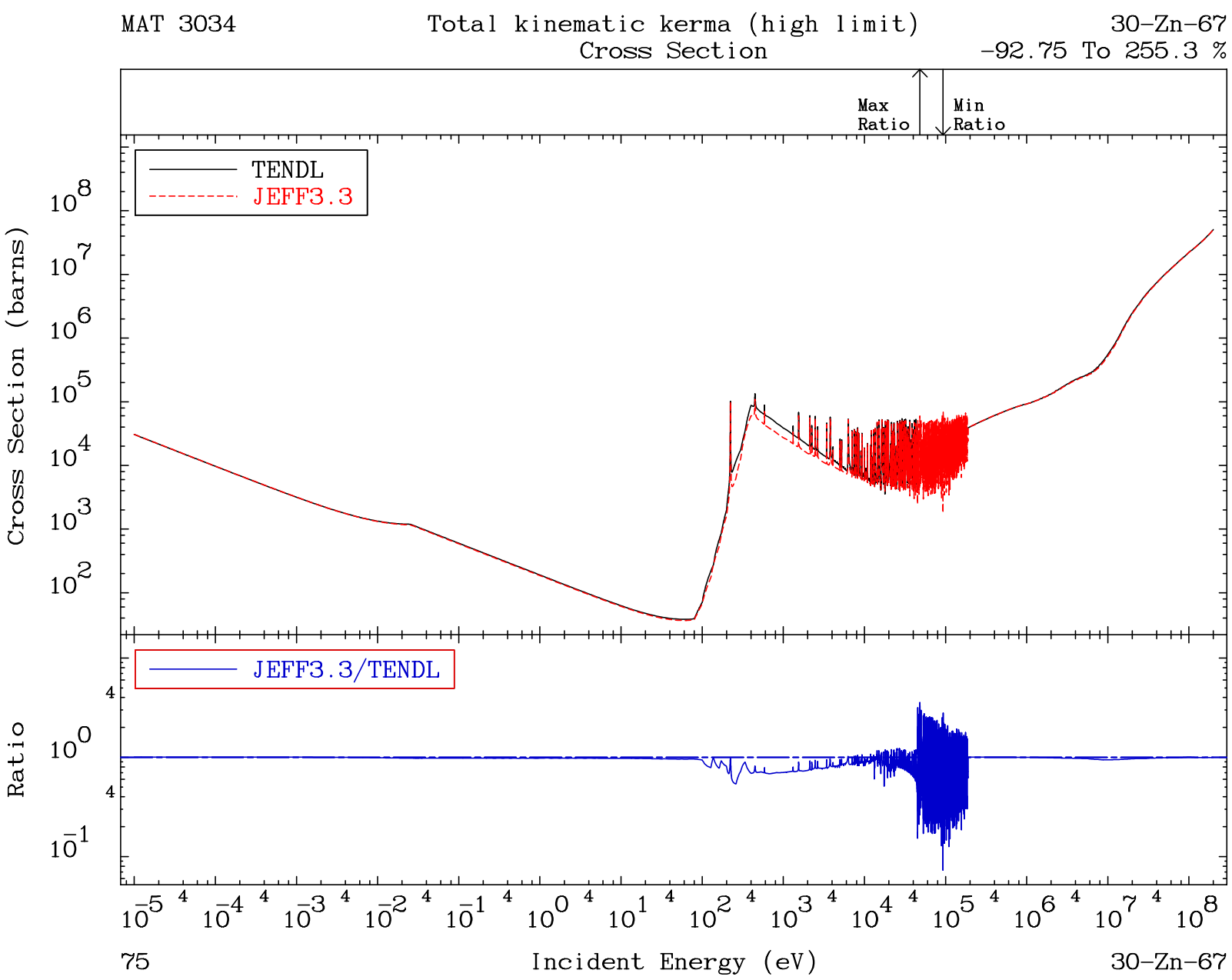

MAT 3034
Kerma non-elastic (all but mt2)
Cross Section
30-Zn-67
-46.63 To 25.05 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
70
30-Zn-67

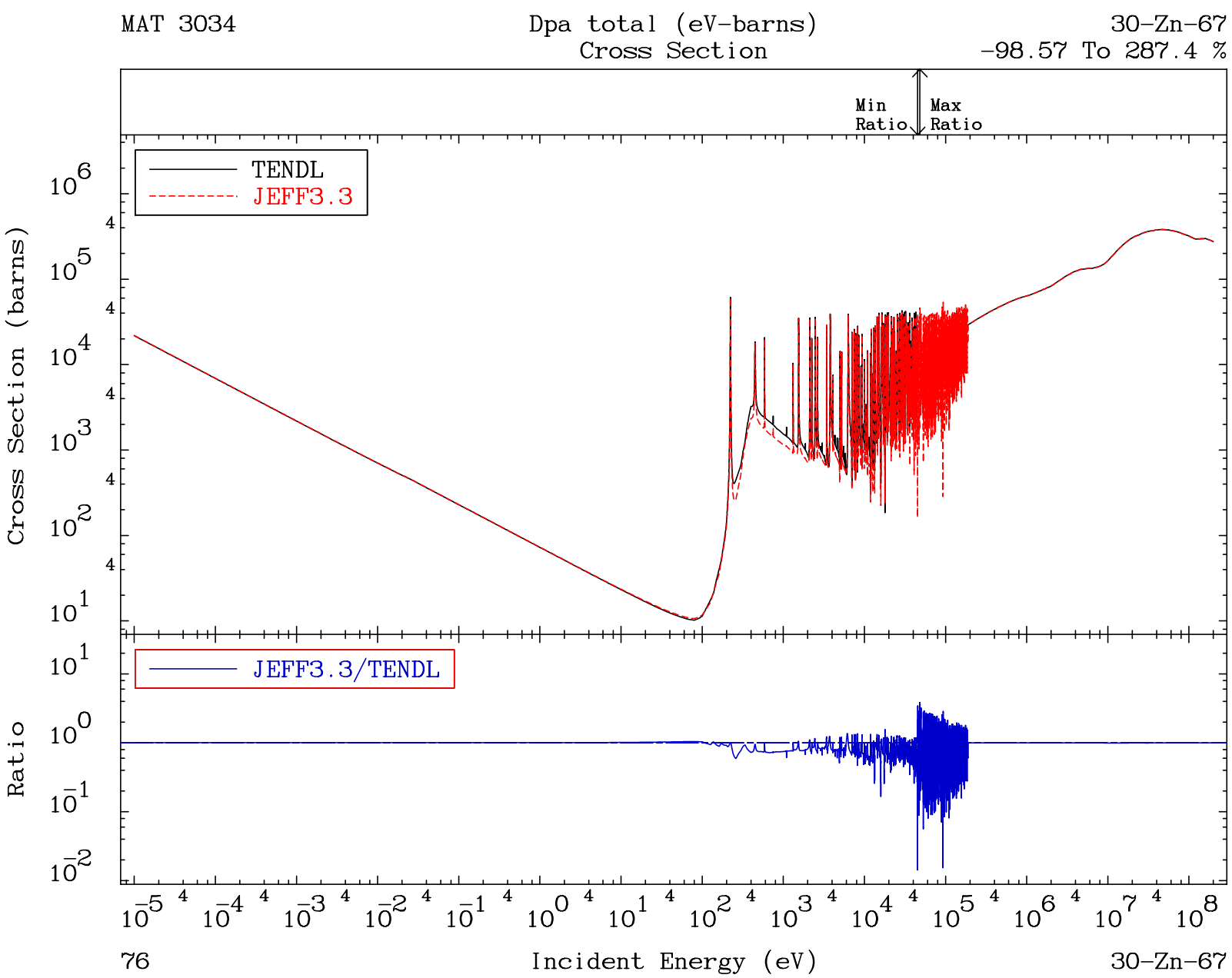

MAT 3034
Kerma inelastic (mt51-91)
Cross Section
30-Zn-67
-1077. To 5125. %
Max Ratio
Min Ratio
TENDL Threshold 94.718 keV
JEFF3.3 Threshold 189.89 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
71
30-Zn-67

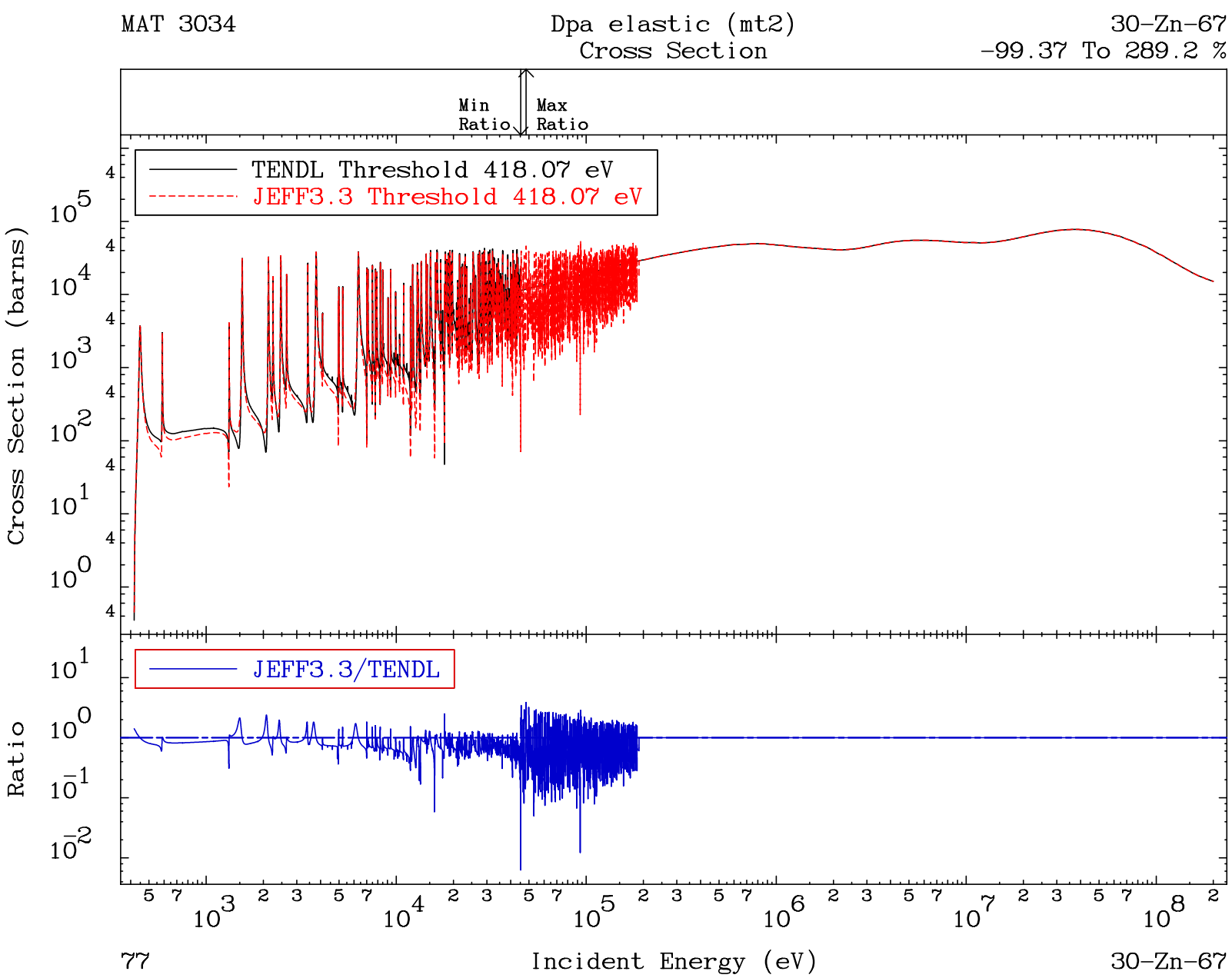

MAT 3034
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
30-Zn-67
-1077. To 5125. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
JEFF3.3/TENDL
Ratio
60
40
20
0
10-5 4 10-4 4 10-3 4 10-2 4 10-1 4 100 4 101 4 102 4 103 4 104 4 105 4 106 4 107 4 108
72
Incident Energy (eV)
30-Zn-67

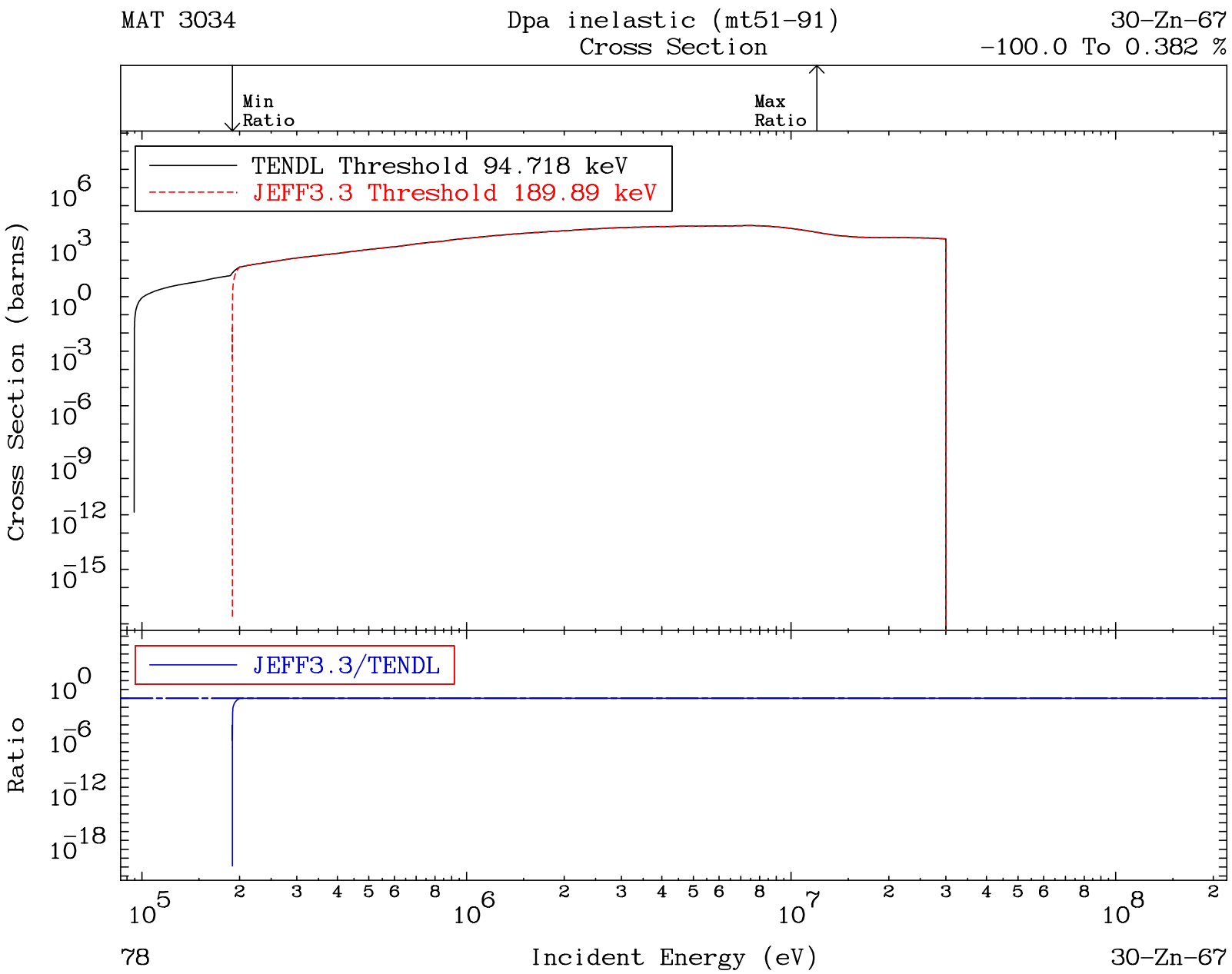

MAT 3034
Kerma capture (mt102)
Cross Section
30-Zn-67
-99.97 To 2976. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
73
30-Zn-67

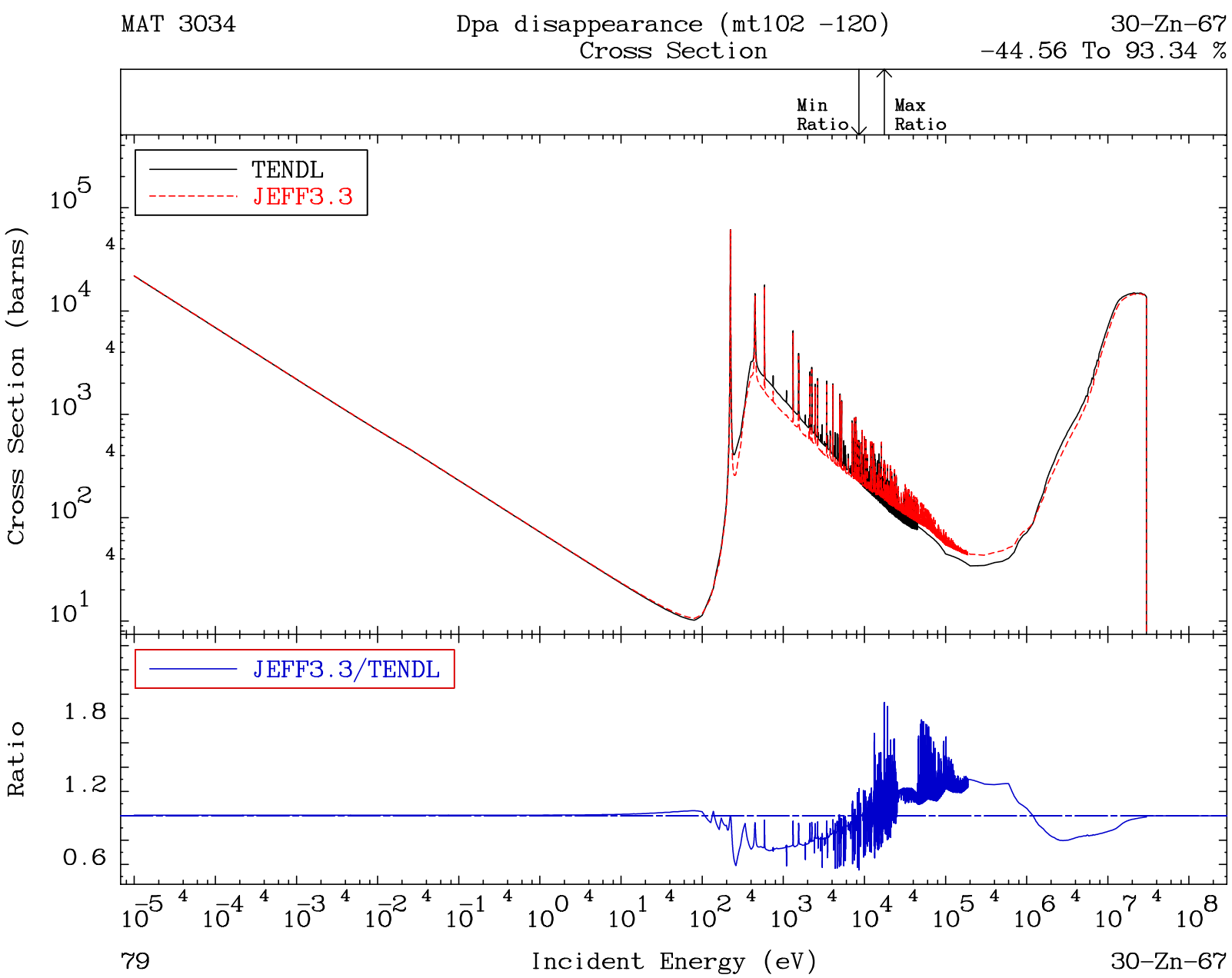

MAT 3034
Total photon (eV-barns)
Cross Section
30-Zn-67
-99.91 To 2944. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
74
Incident Energy (eV)
30-Zn-67

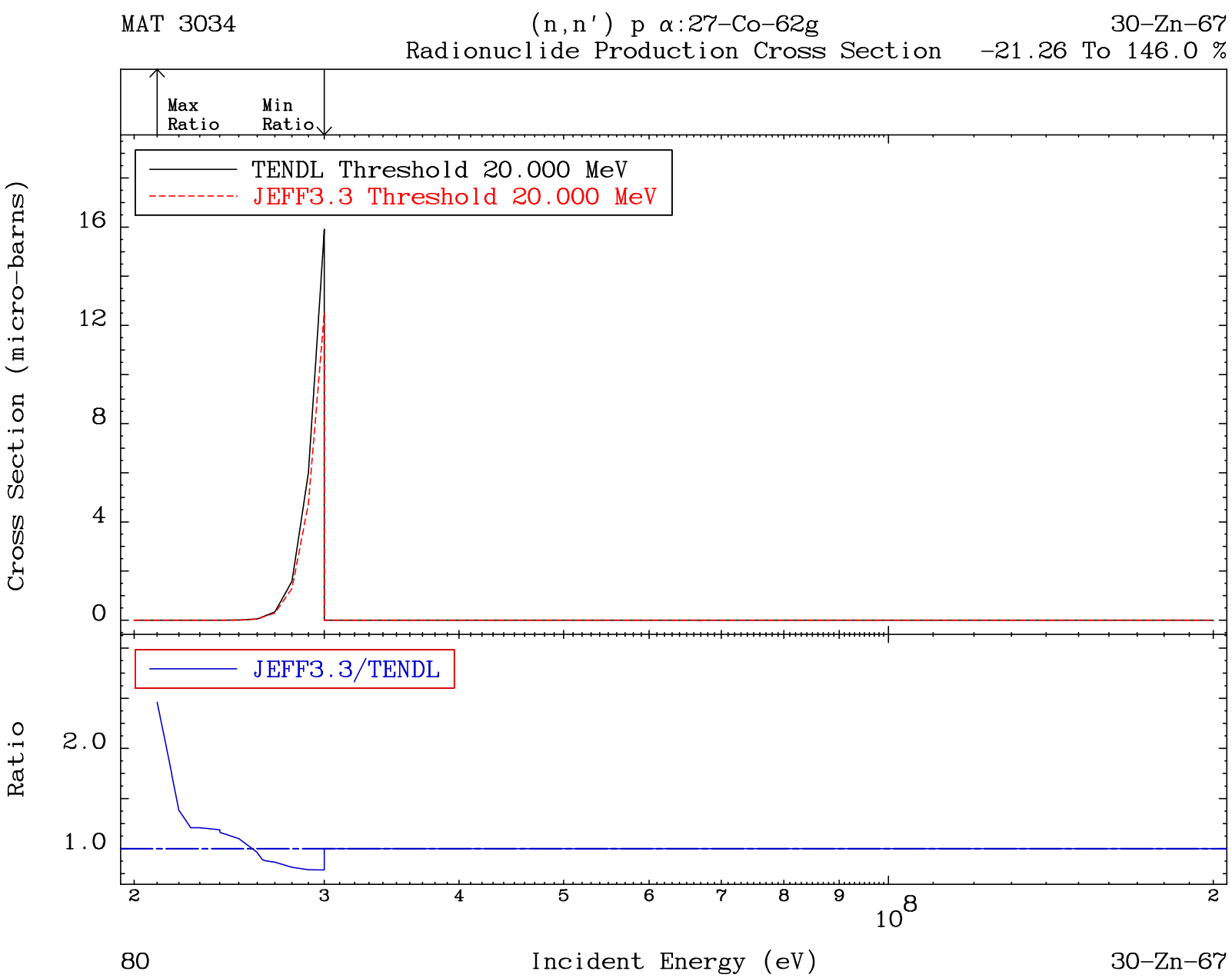

MAT 3034
Total kinematic kerma (high limit)
Cross Section
30-Zn-67
-92.75 To 255.3 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
75
30-Zn-67

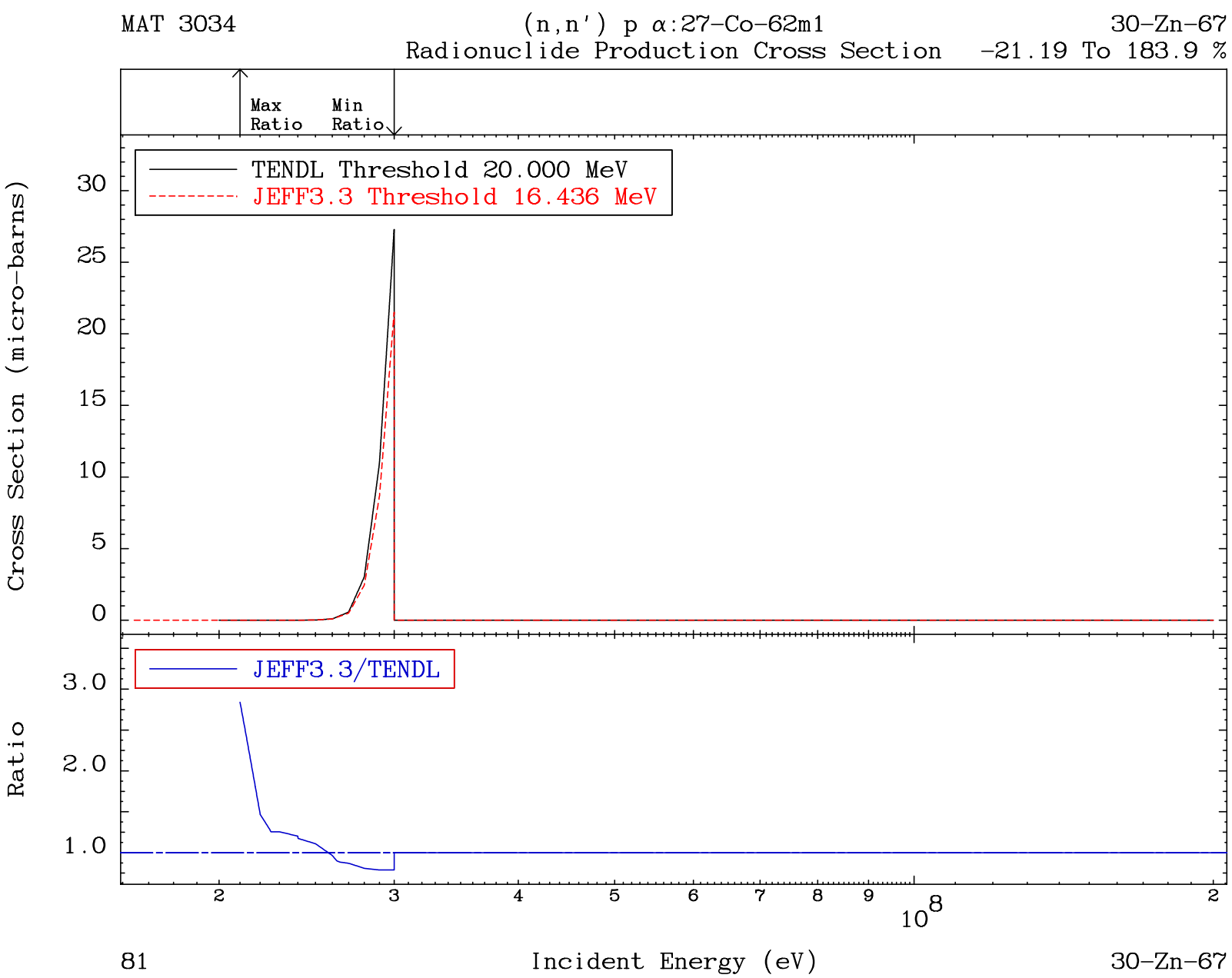

MAT 3034
Dpa total (eV-barns)
Cross Section
30-Zn-67
-98.57 To 287.4 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
76
30-Zn-67

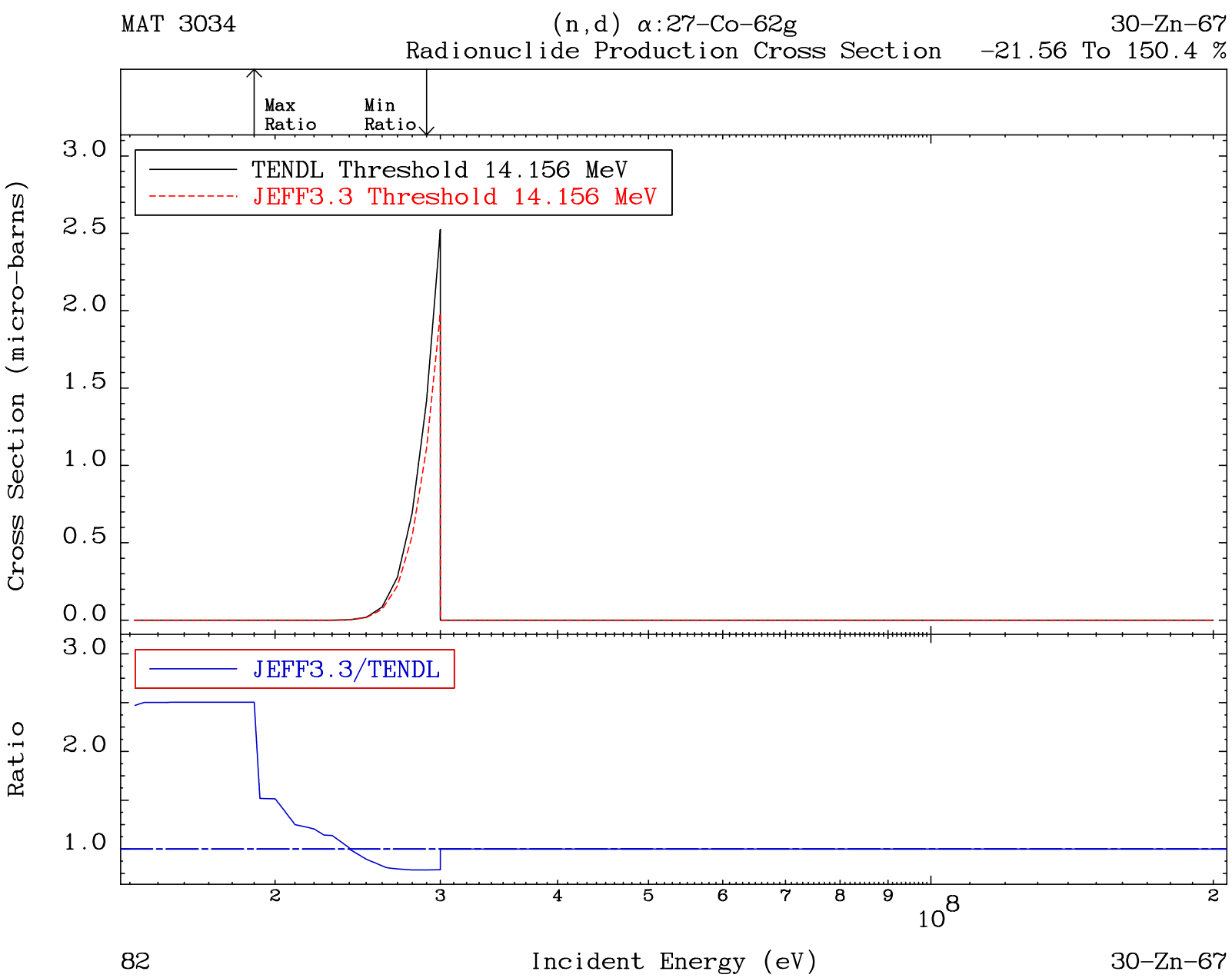

MAT 3034
Dpa elastic (mt2)
Cross Section
30-Zn-67
-99.37 To 289.2 %
Min Ratio
Max Ratio
TENDL Threshold 418.07 eV
JEFF3.3 Threshold 418.07 eV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
77
30-Zn-67

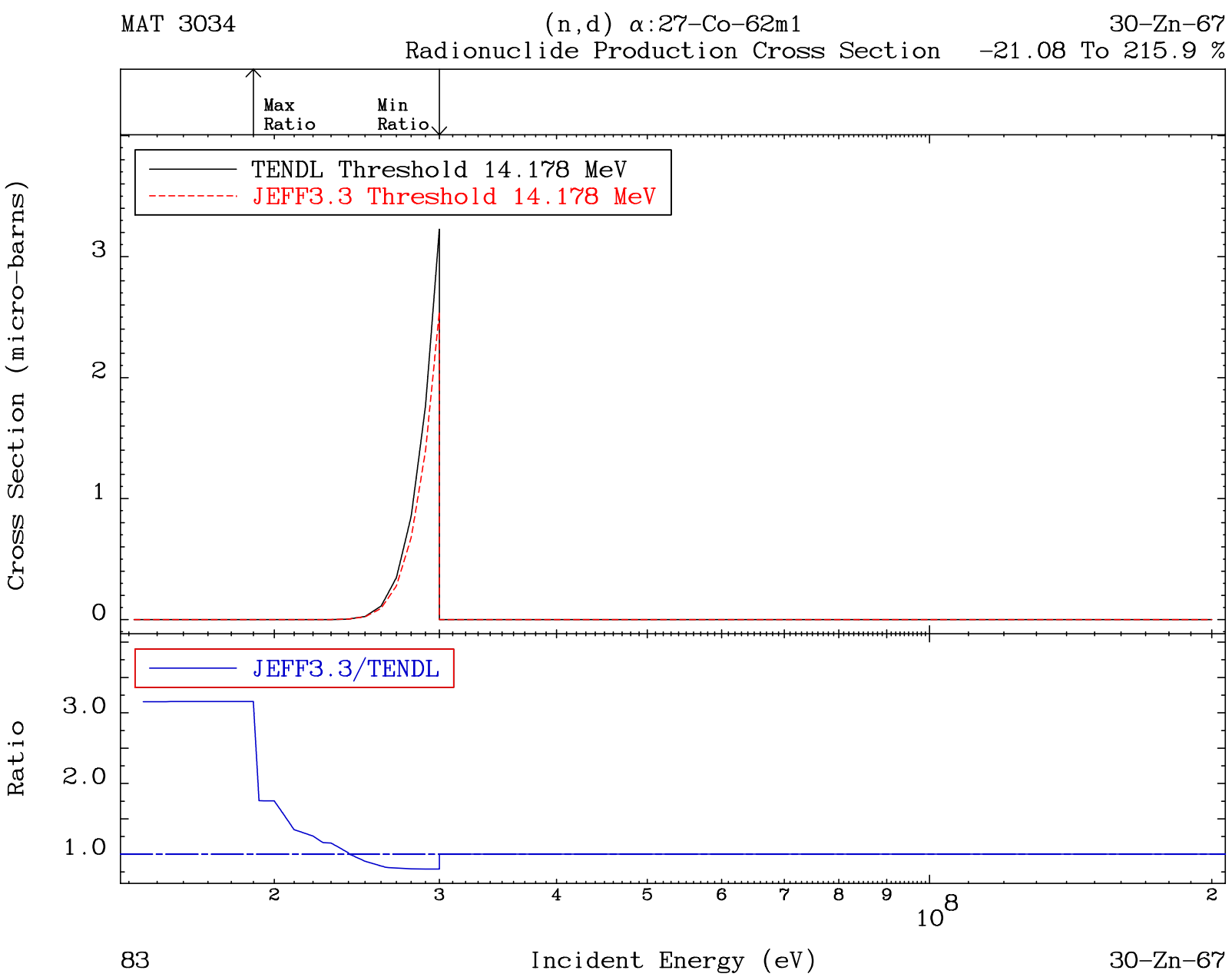

MAT 3034
Dpa inelastic (mt51-91)
Cross Section
30-Zn-67
-100.0 To 0.382 %
Min Ratio
Max Ratio
TENDL Threshold 94.718 keV
JEFF3.3 Threshold 189.89 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
78
30-Zn-67


MAT 3034
Dpa disappearance (mt102 -120)
Cross Section
30-Zn-67
-44.56 To 93.34 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
79
30-Zn-67


MAT 3034
(n,n') p α:27-Co-62g
30-Zn-67
Radionuclide Production Cross Section
-21.26 To 146.0 %
Max Ratio
Min Ratio
TENDL Threshold 20.000 MeV
JEFF3.3 Threshold 20.000 MeV
Cross Section (micro-barns)
16
12
8
4
0
JEFF3.3/TENDL
Ratio
2.0
1.0
2
3
4
5
6
7
8
9
10^8
2
80
Incident Energy (eV)
30-Zn-67


MAT 3034
(n,n') p α:27-Co-62m1
30-Zn-67
Radionuclide Production Cross Section
-21.19 To 183.9 %
Max Ratio
Min Ratio
TENDL Threshold 20.000 MeV
JEFF3.3 Threshold 16.436 MeV
Cross Section (micro-barns)
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
3.0
2.0
1.0
2
3
4
5
6
7
8
9
10^8
2
81
Incident Energy (eV)
30-Zn-67


MAT 3034
(n,d) α:27-Co-62g
30-Zn-67
Radionuclide Production Cross Section
-21.56 To 150.4 %
Max Ratio
Min Ratio
TENDL Threshold 14.156 MeV
JEFF3.3 Threshold 14.156 MeV
Cross Section (micro-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
3.0
2.0
1.0
2
3
4
5
6
7
8
9
10^8
2
82
Incident Energy (eV)
30-Zn-67


MAT 3034
(n,d) α:27-Co-62m1
30-Zn-67
Radionuclide Production Cross Section
-21.08 To 215.9 %
Max Ratio
Min Ratio
TENDL Threshold 14.178 MeV
JEFF3.3 Threshold 14.178 MeV
Cross Section (micro-barns)
0
1
2
3
JEFF3.3/TENDL
Ratio
1.0
2.0
3.0
2
3
4
5
6
7
8
9
10^8
2
83
Incident Energy (eV)
30-Zn-67