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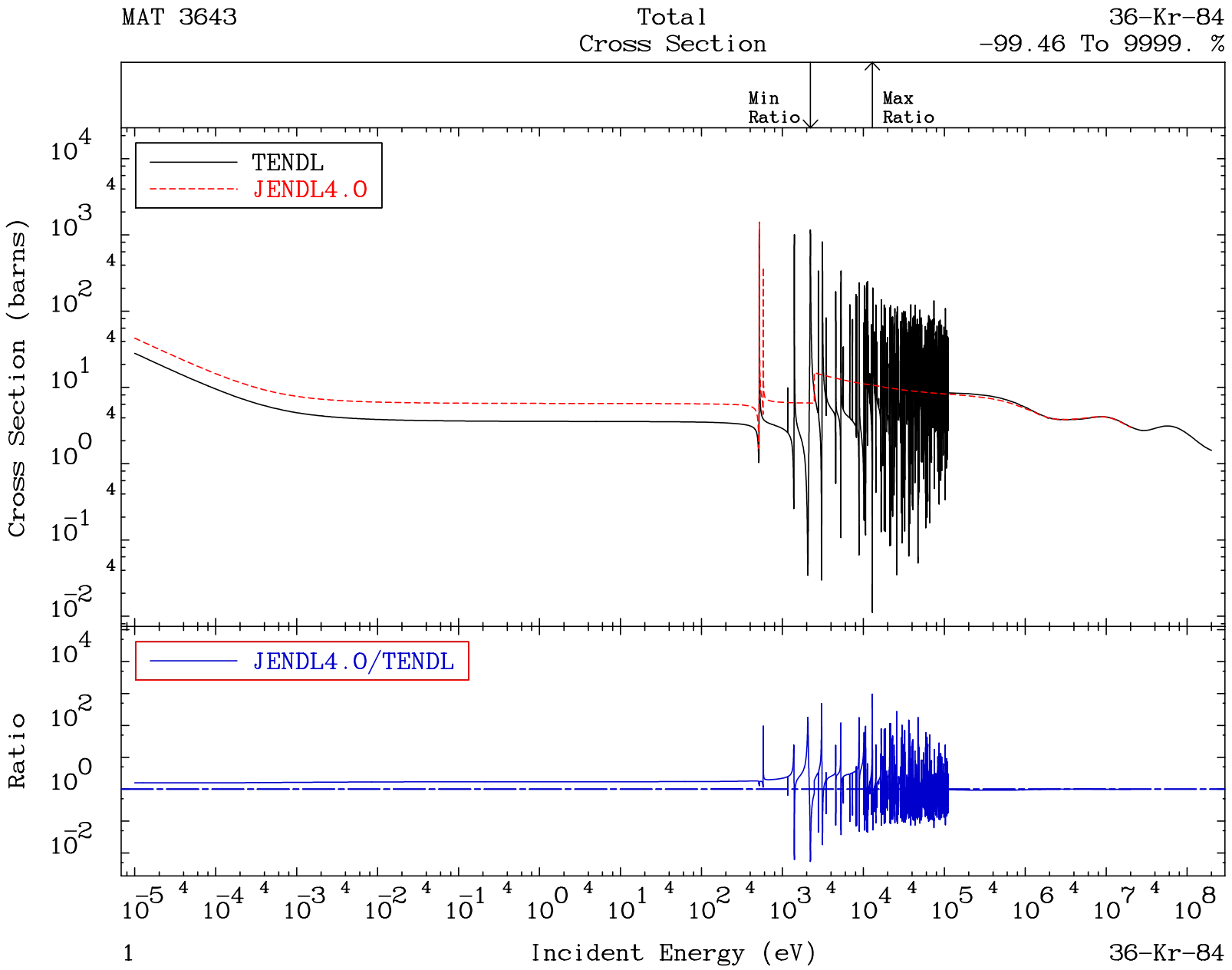
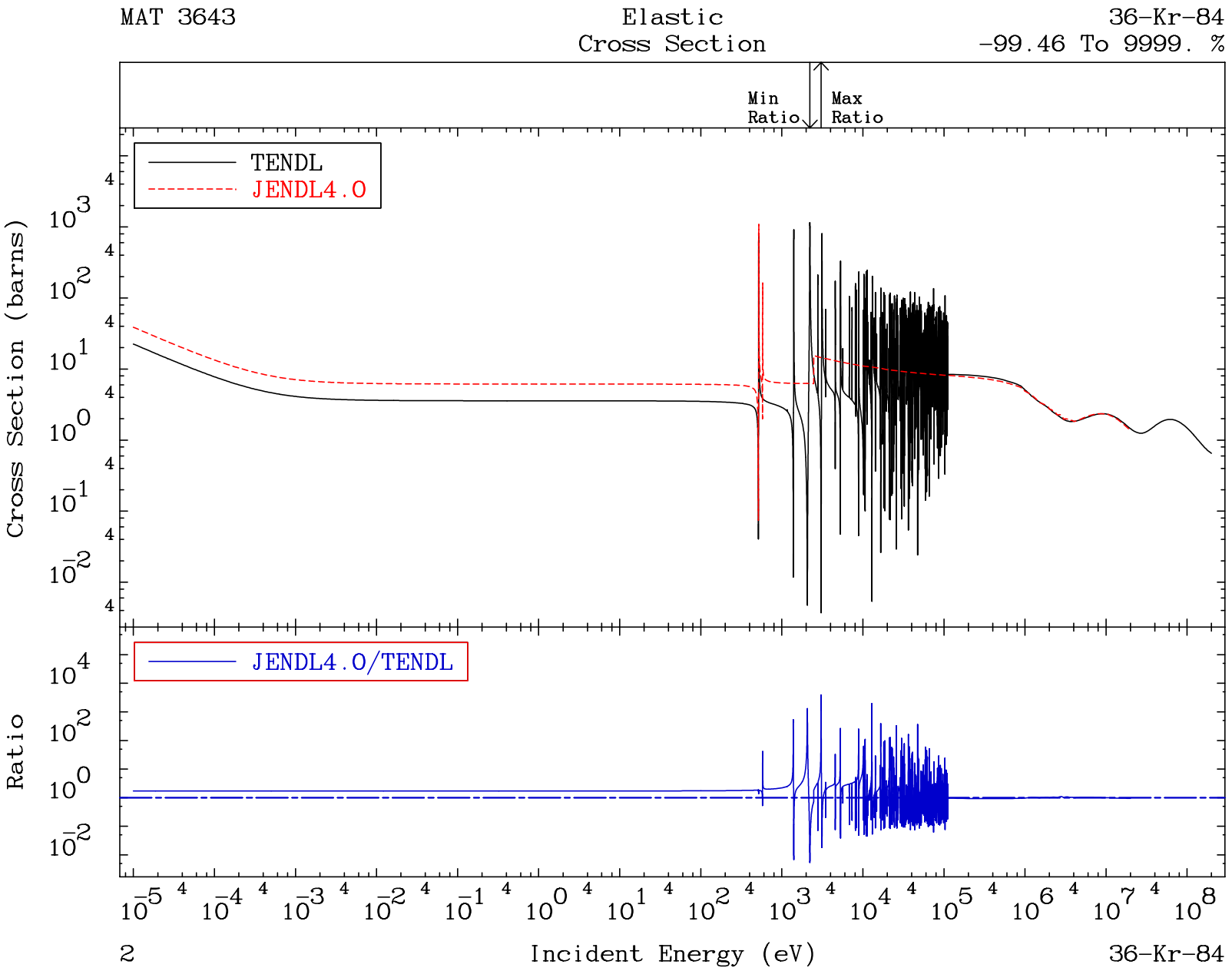
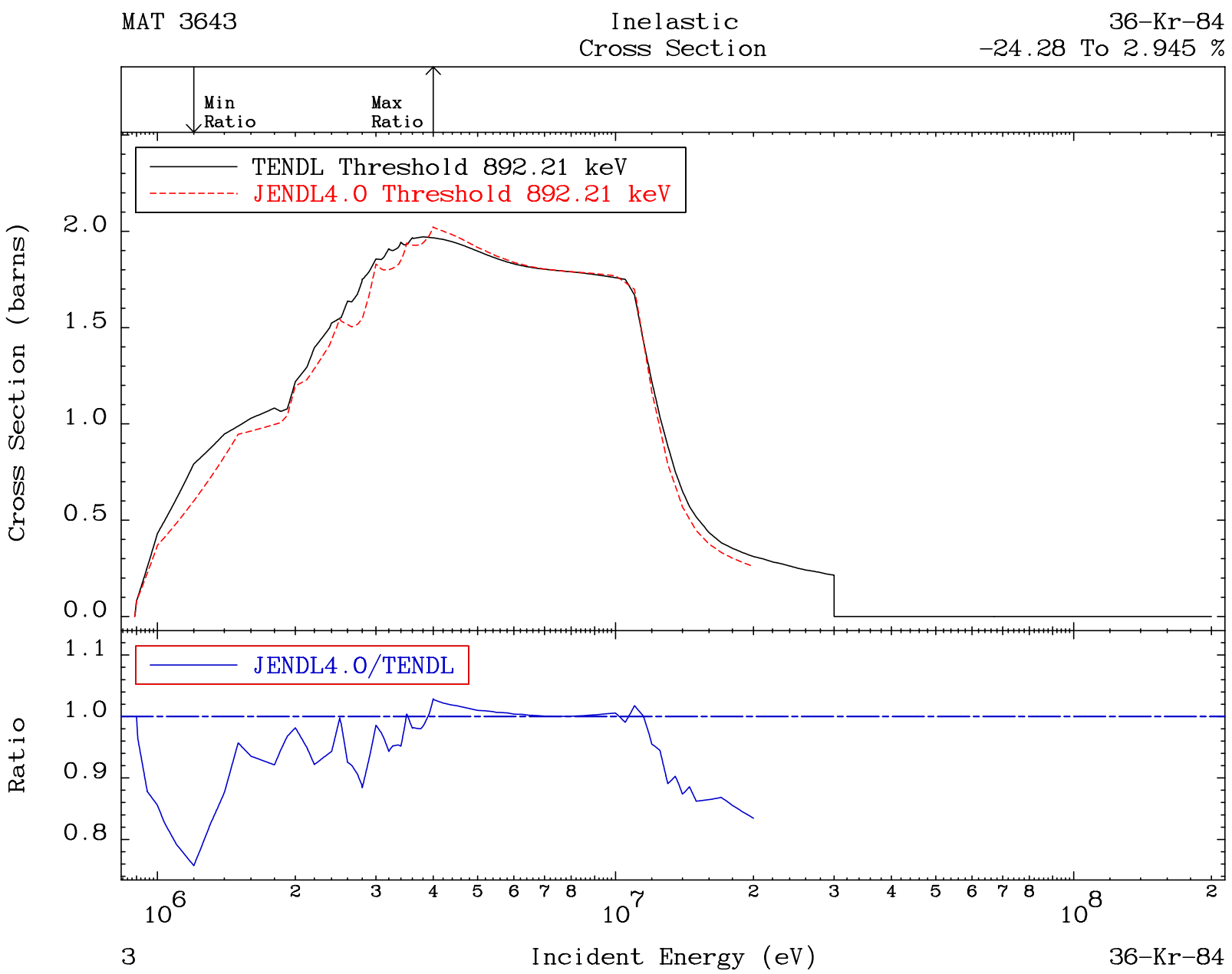
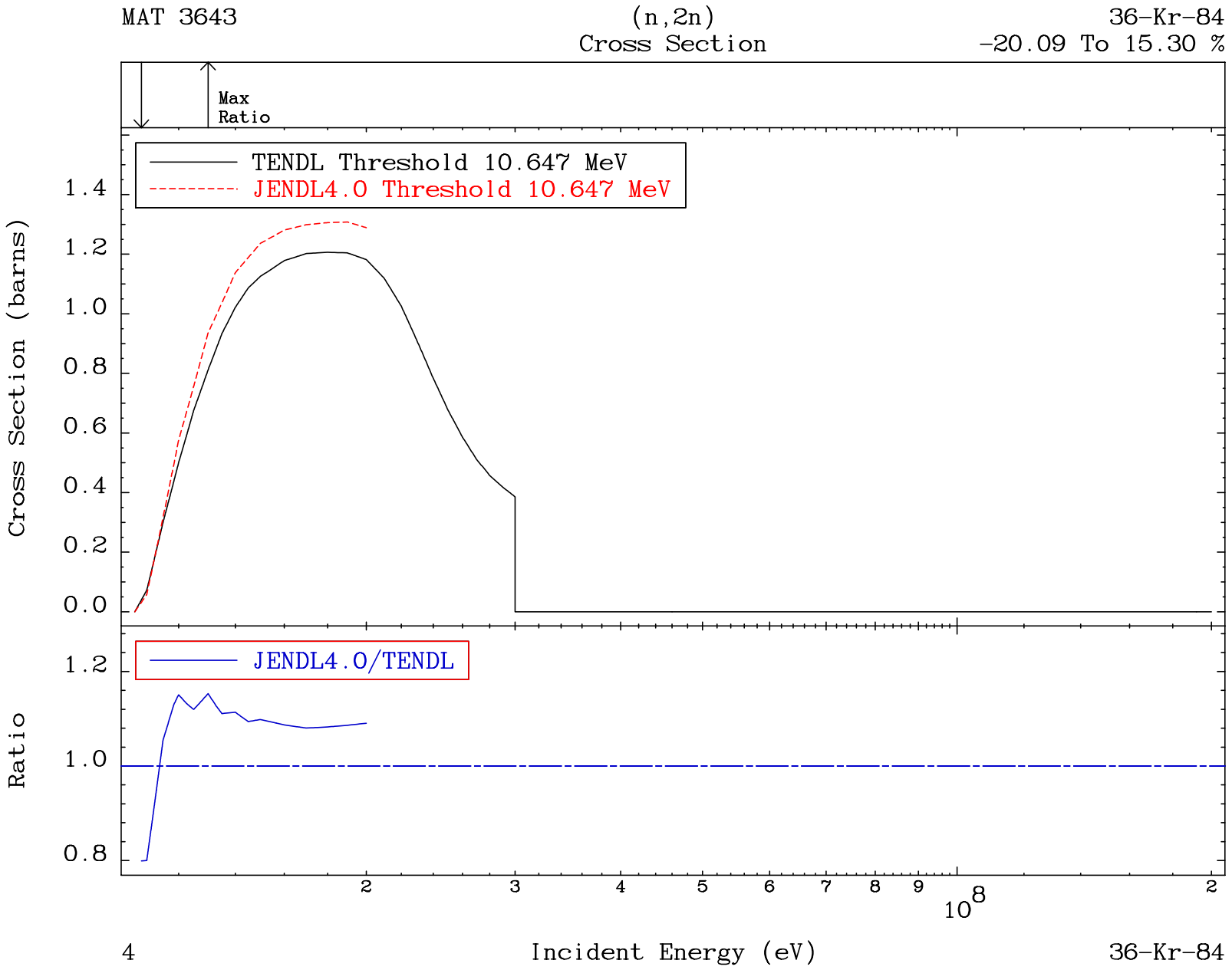
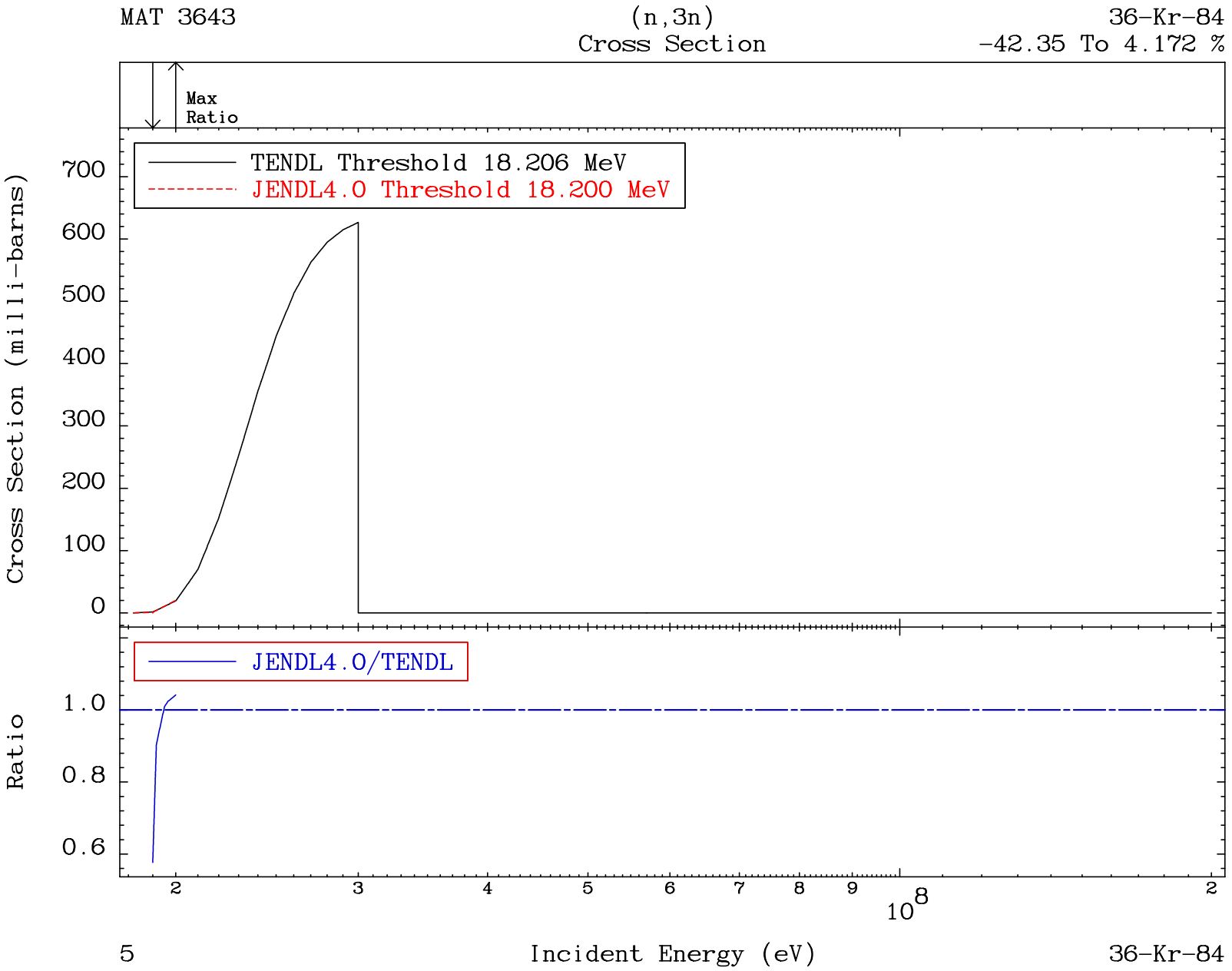
Press Mouse Button to Start

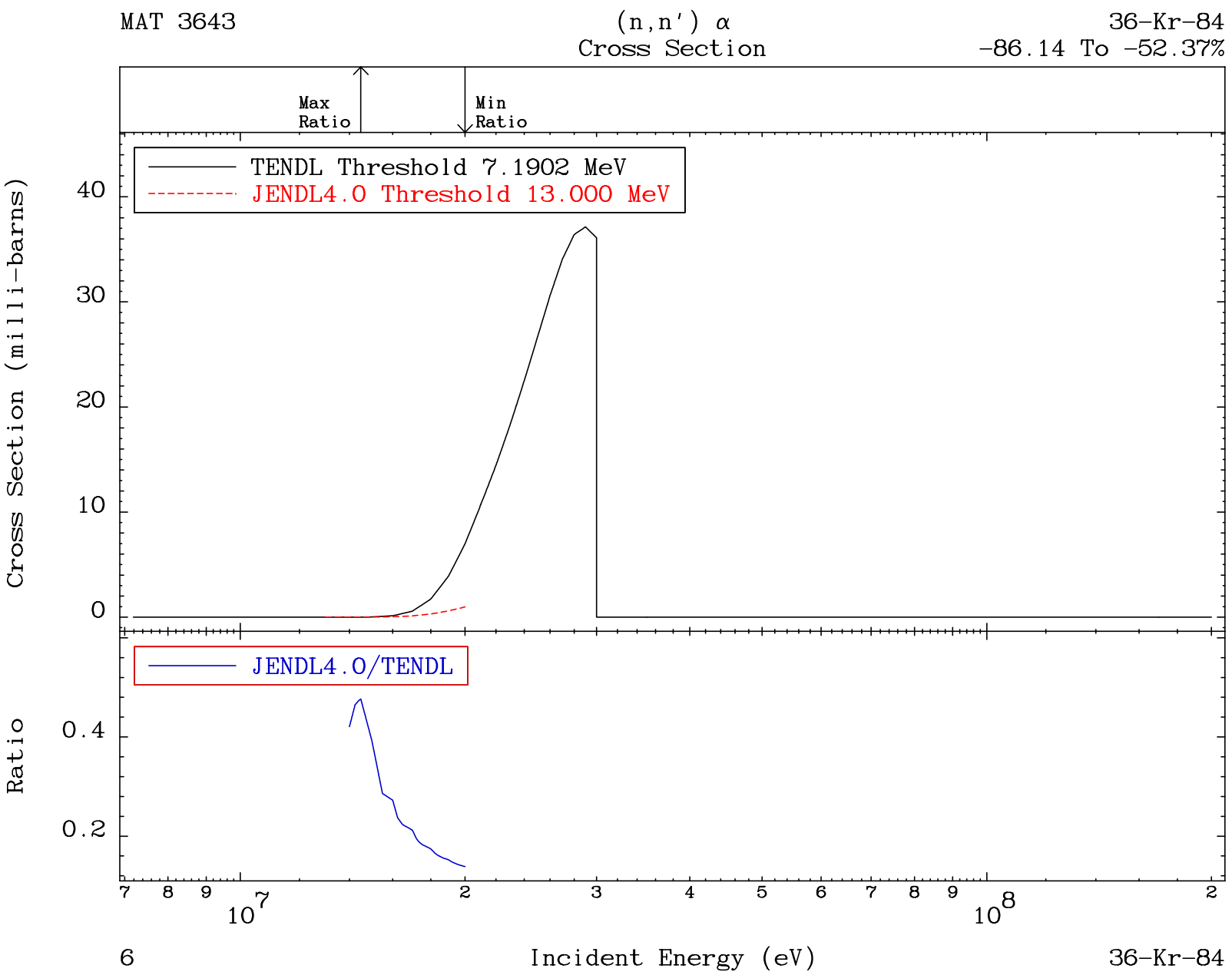

MAT 3643
Total
Cross Section
36-Kr-84
-99.46 To 9999. %
Min
Ratio
Max
Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
1
36-Kr-84

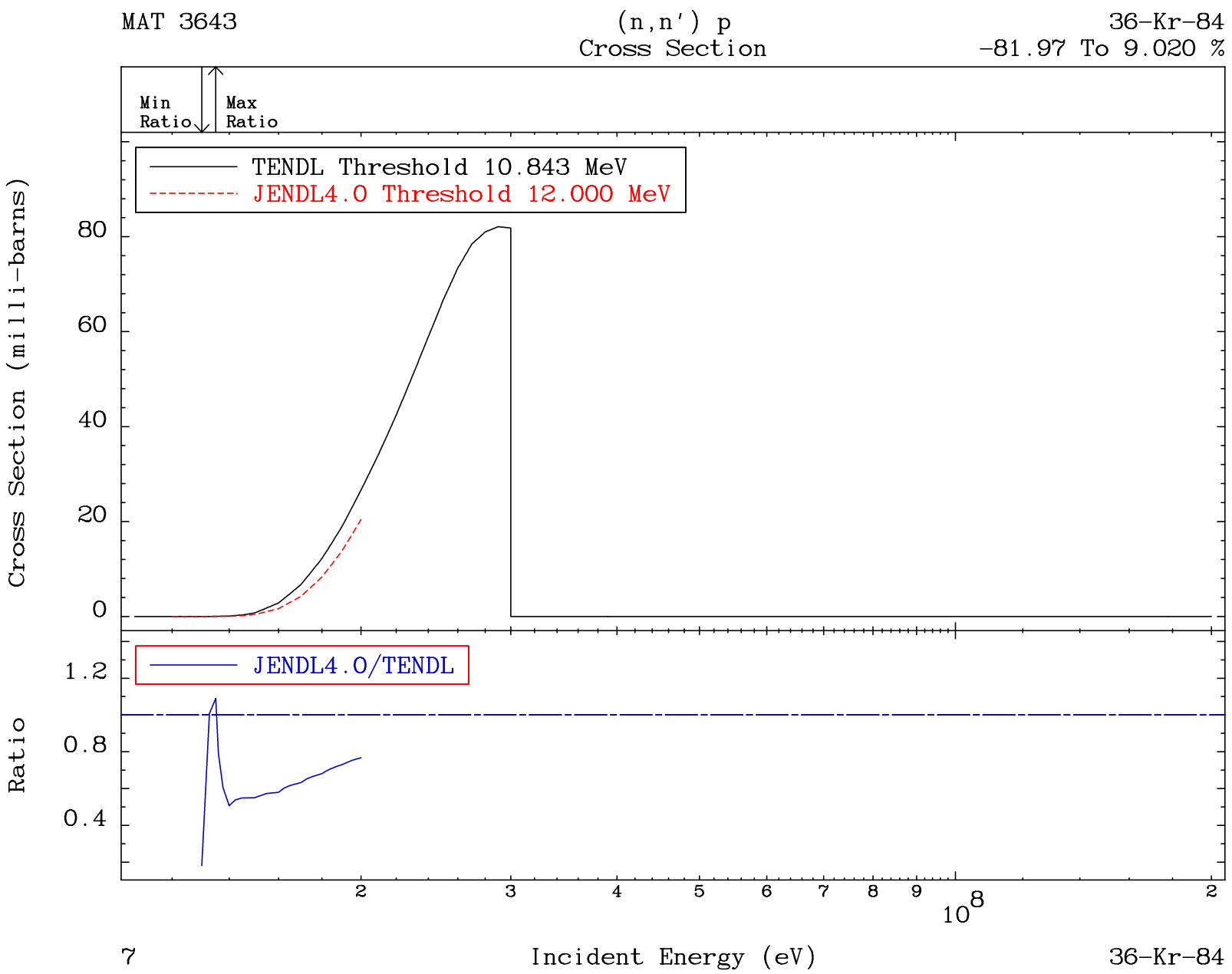

MAT 3643
Elastic
Cross Section
36-Kr-84
-99.46 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
2
36-Kr-84

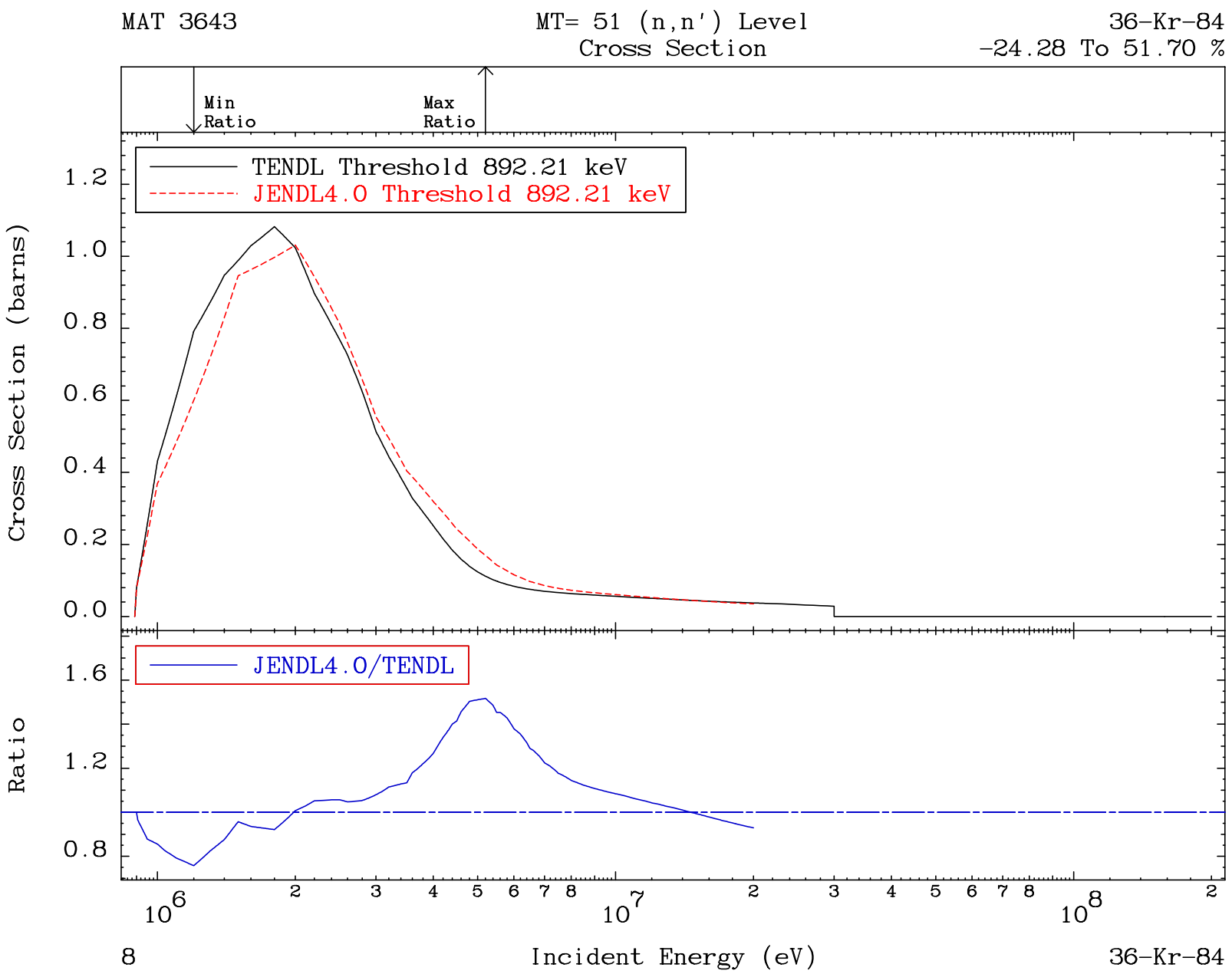

MAT 3643
Inelastic
Cross Section
36-Kr-84
-24.28 To 2.945 %
Min
Ratio
Max
Ratio
TENDL Threshold 892.21 keV
JENDL4.0 Threshold 892.21 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JENDL4.0/TENDL
Ratio
1.1
1.0
0.9
0.8
10^6
10^7
10^8
Incident Energy (eV)
3
36-Kr-84

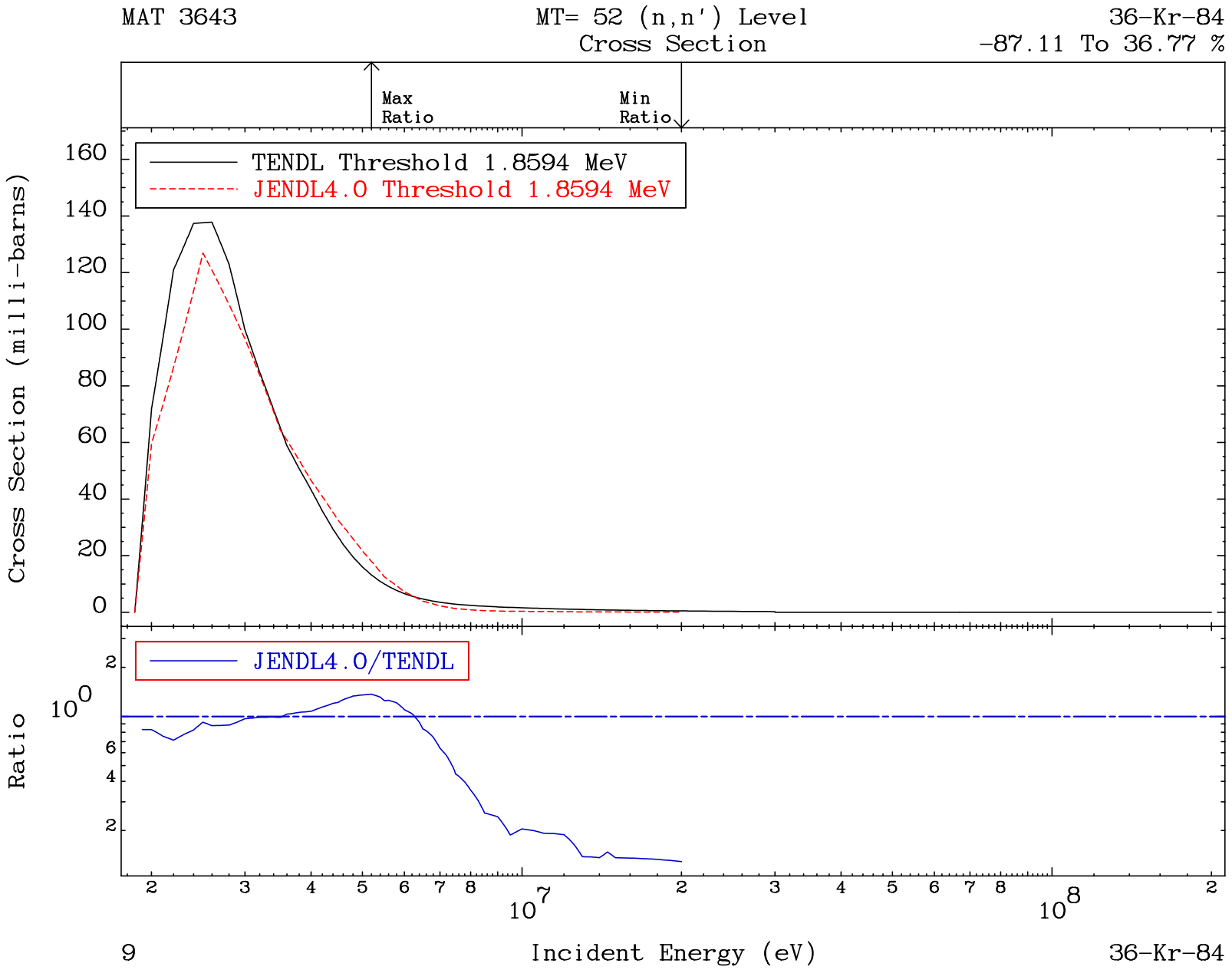

MAT 3643
(n,2n)
Cross Section
36-Kr-84
-20.09 To 15.30 %
Max
Ratio
TENDL Threshold 10.647 MeV
JENDL4.0 Threshold 10.647 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL4.0/TENDL
Ratio
1.2
1.0
0.8
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
36-Kr-84

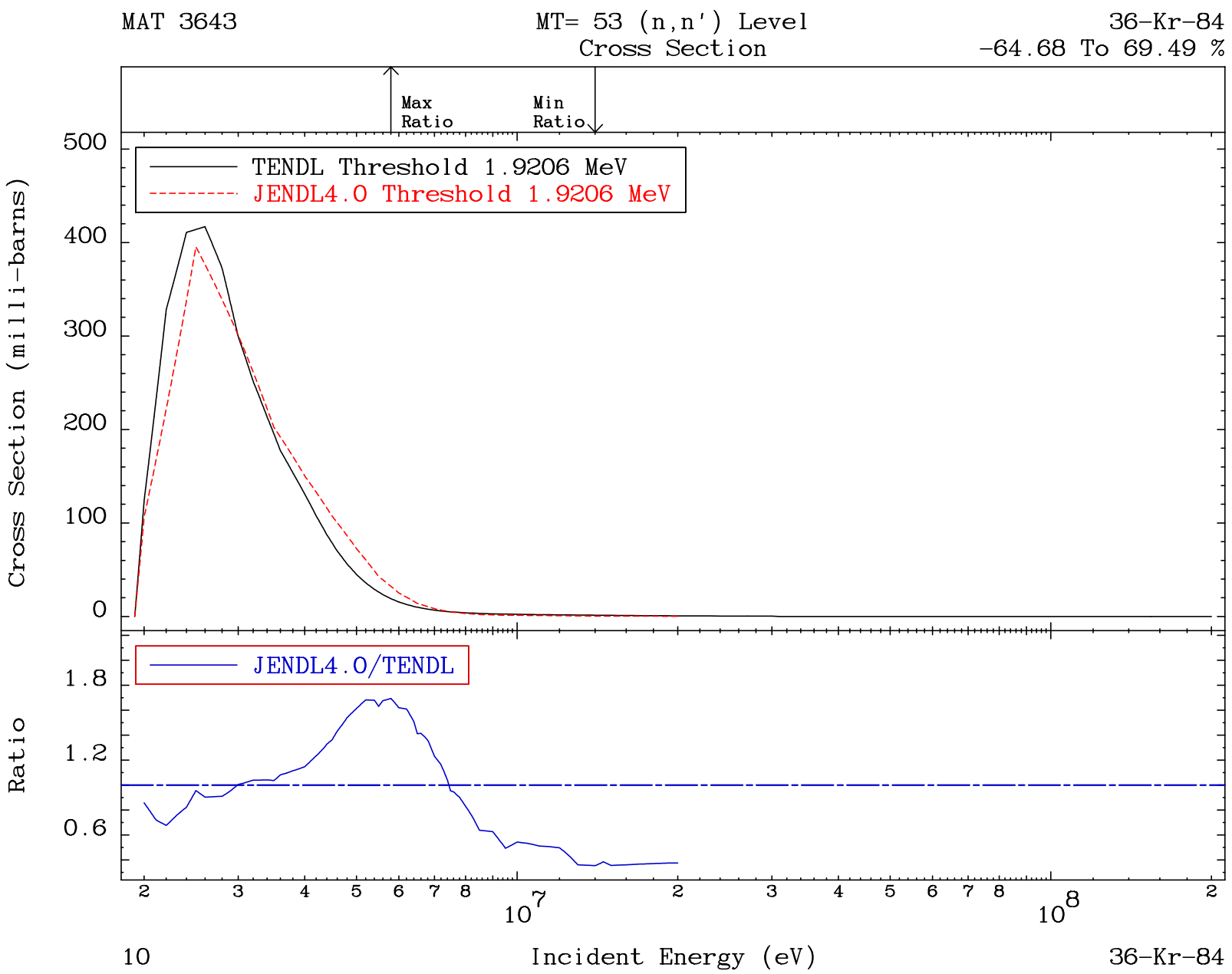

MAT 3643
(n,3n)
Cross Section
36-Kr-84
-42.35 To 4.172 %
Max
Ratio
TENDL Threshold 18.206 MeV
JENDL4.0 Threshold 18.200 MeV
Cross Section (milli-barns)
700
600
500
400
300
200
100
0
JENDL4.0/TENDL
Ratio
1.0
0.8
0.6
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
36-Kr-84

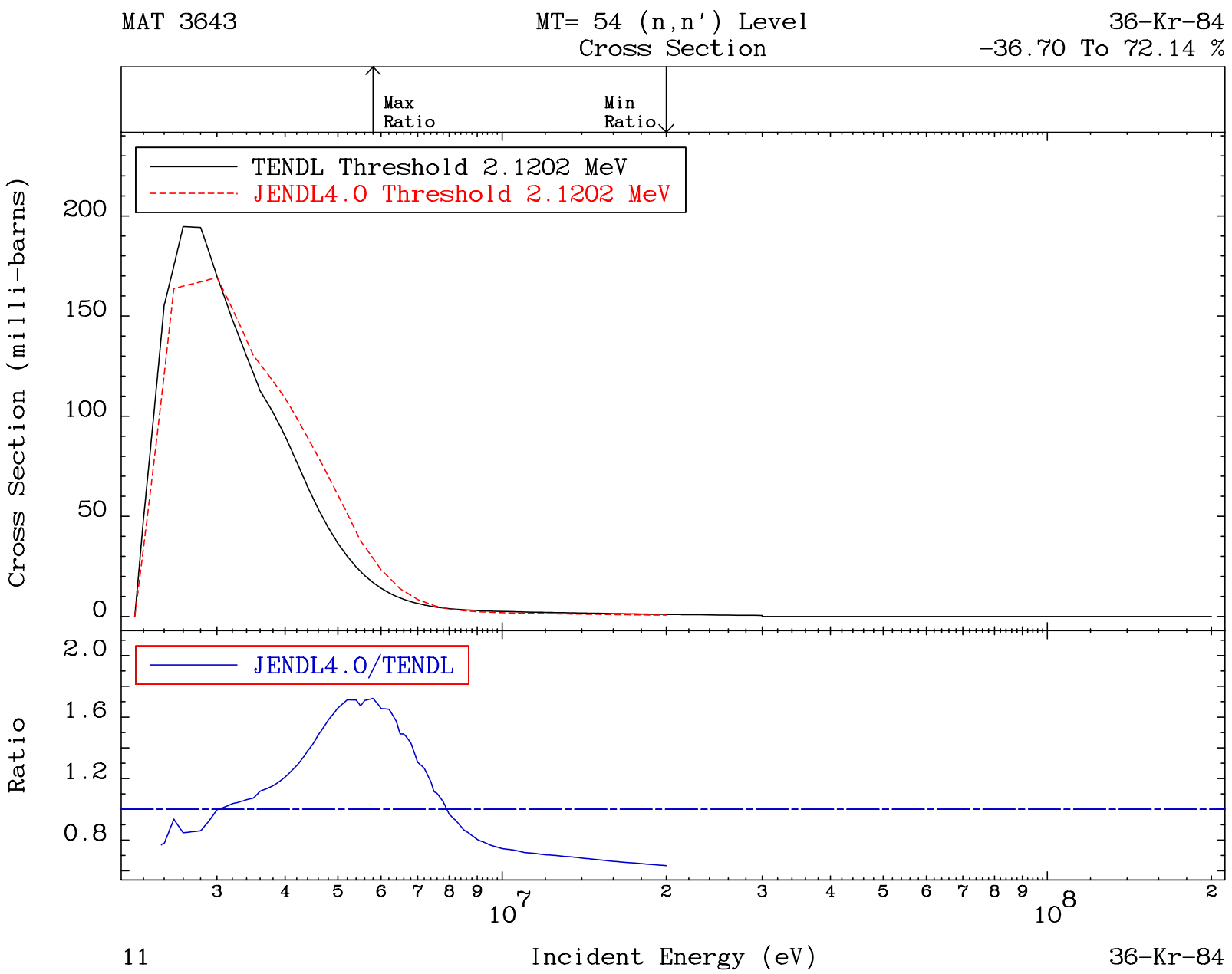

MAT 3643
(n,n') α
Cross Section
36-Kr-84
-86.14 To -52.37%
Max Ratio
Min Ratio
TENDL Threshold 7.1902 MeV
JENDL4.0 Threshold 13.000 MeV
Cross Section (milli-barns)
40
30
20
10
0
JENDL4.0/TENDL
Ratio
0.4
0.2
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
6
Incident Energy (eV)
36-Kr-84

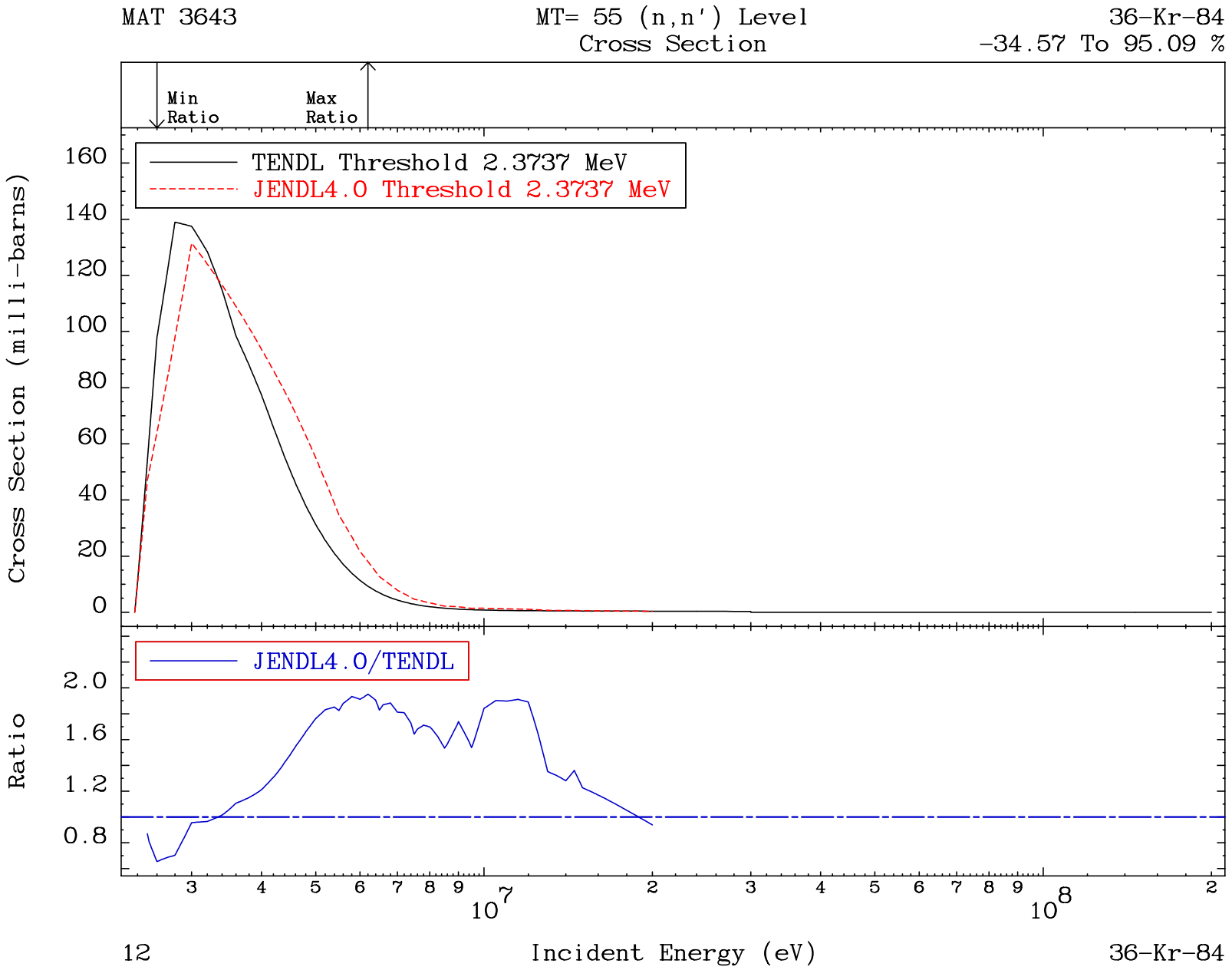

MAT 3643
(n,n') p
Cross Section
36-Kr-84
-81.97 To 9.020 %
Min Ratio
Max Ratio
TENDL Threshold 10.843 MeV
JENDL4.0 Threshold 12.000 MeV
Cross Section (milli-barns)
80
60
40
20
0
JENDL4.0/TENDL
Ratio
1.2
0.8
0.4
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
36-Kr-84

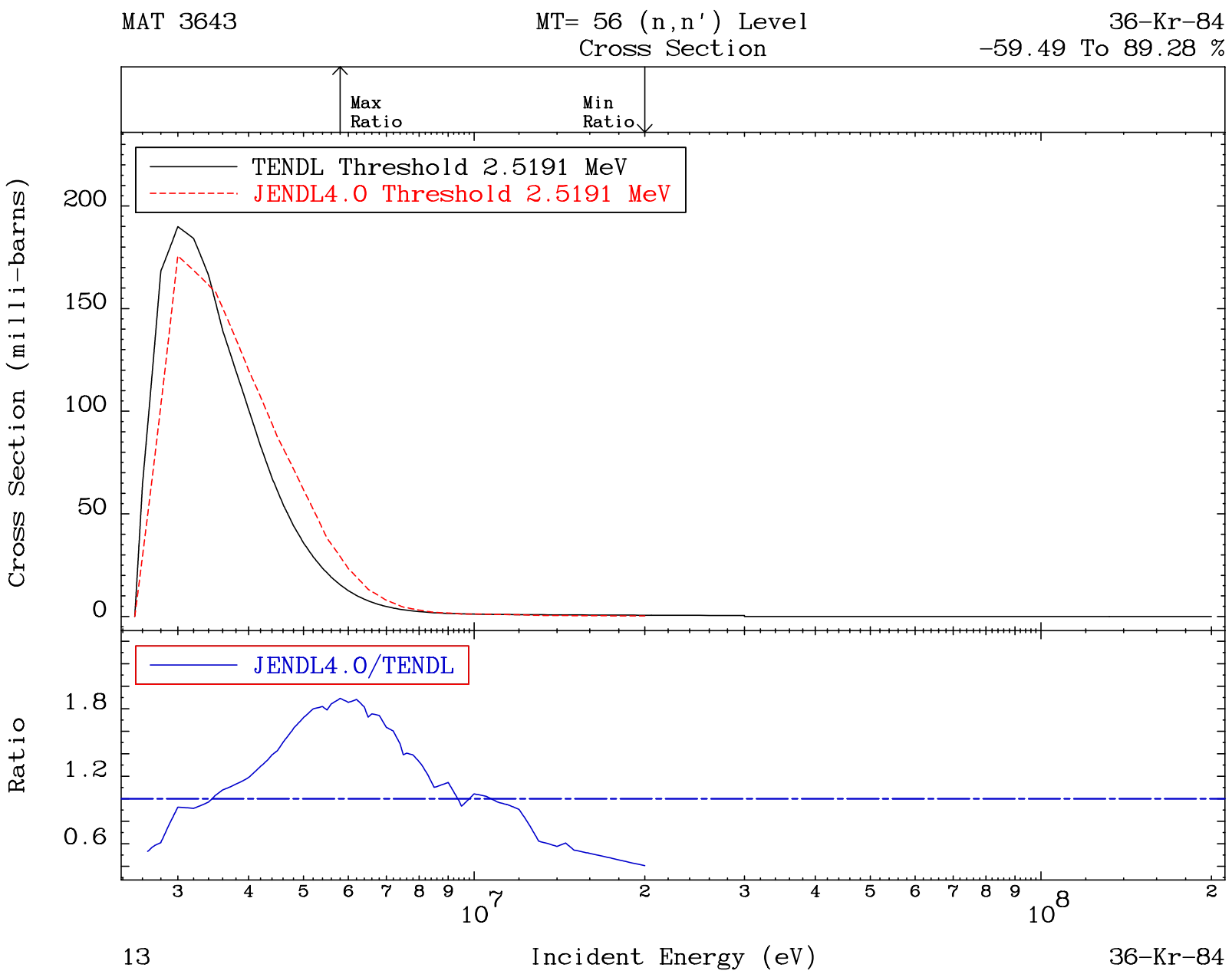

MAT 3643
MT= 51 (n,n') Level
Cross Section
36-Kr-84
-24.28 To 51.70 %
Min
Ratio
Max
Ratio
TENDL Threshold 892.21 keV
JENDL4.0 Threshold 892.21 keV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL4.0/TENDL
Ratio
1.6
1.2
0.8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
8
Incident Energy (eV)
36-Kr-84

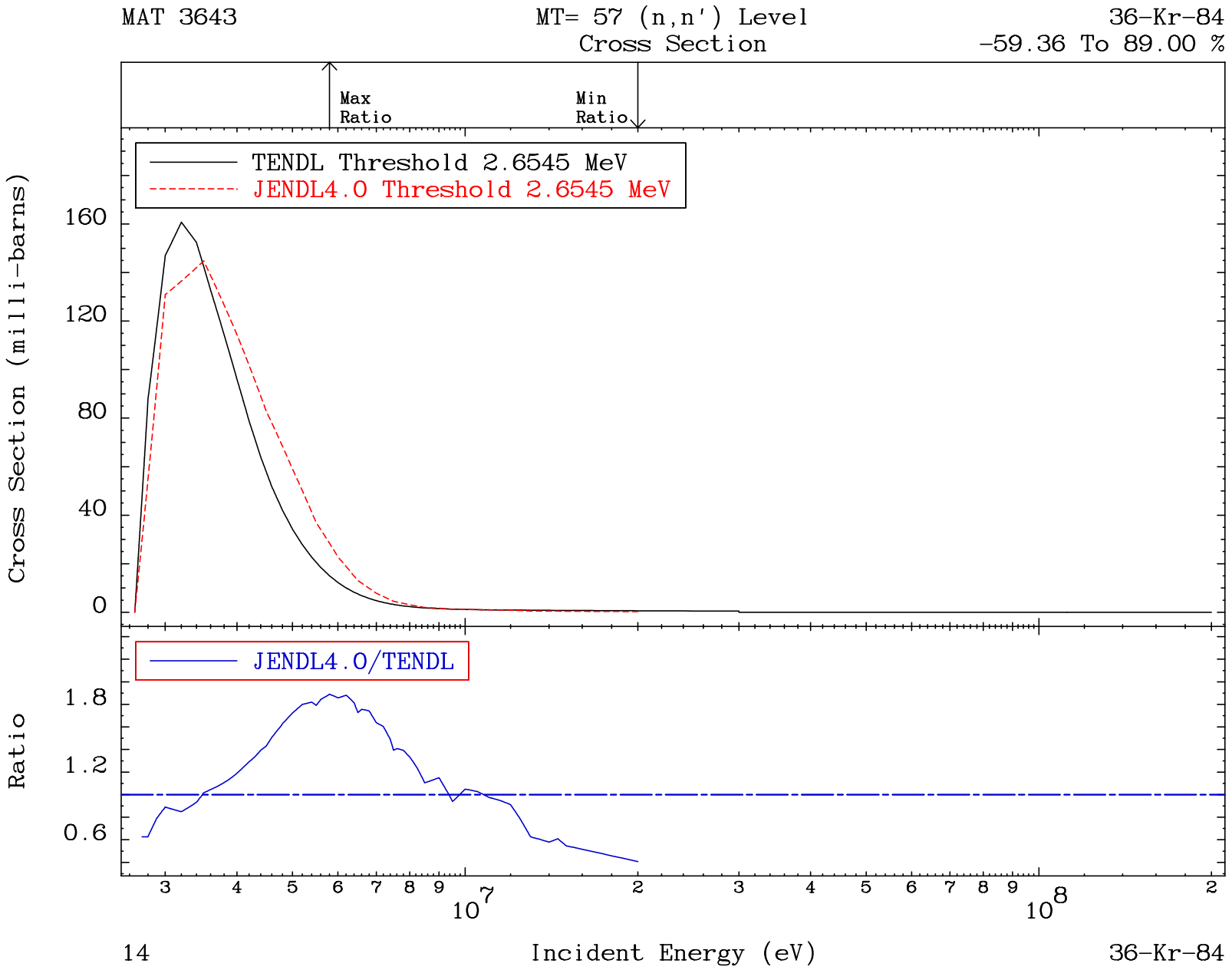

MAT 3643
MT= 52 (n,n') Level
Cross Section
36-Kr-84
-87.11 To 36.77 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.8594 MeV
JENDL4.0 Threshold 1.8594 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^0
2
6
4
2
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
9
Incident Energy (eV)
36-Kr-84

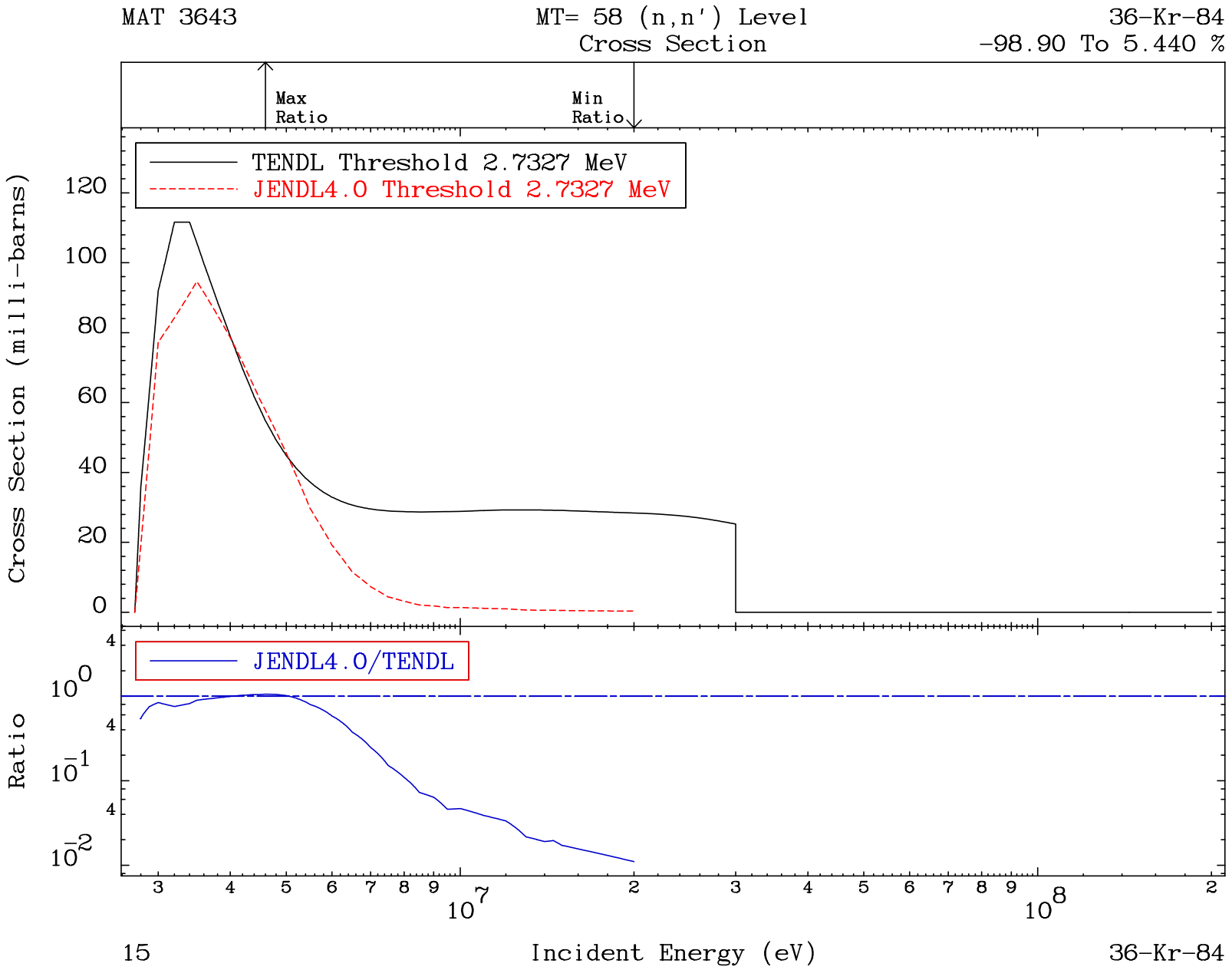

MAT 3643
MT= 53 (n,n') Level
Cross Section
36-Kr-84
-64.68 To 69.49 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.9206 MeV
JENDL4.0 Threshold 1.9206 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
JENDL4.0/TENDL
Ratio
1.8
1.2
0.6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
10
Incident Energy (eV)
36-Kr-84

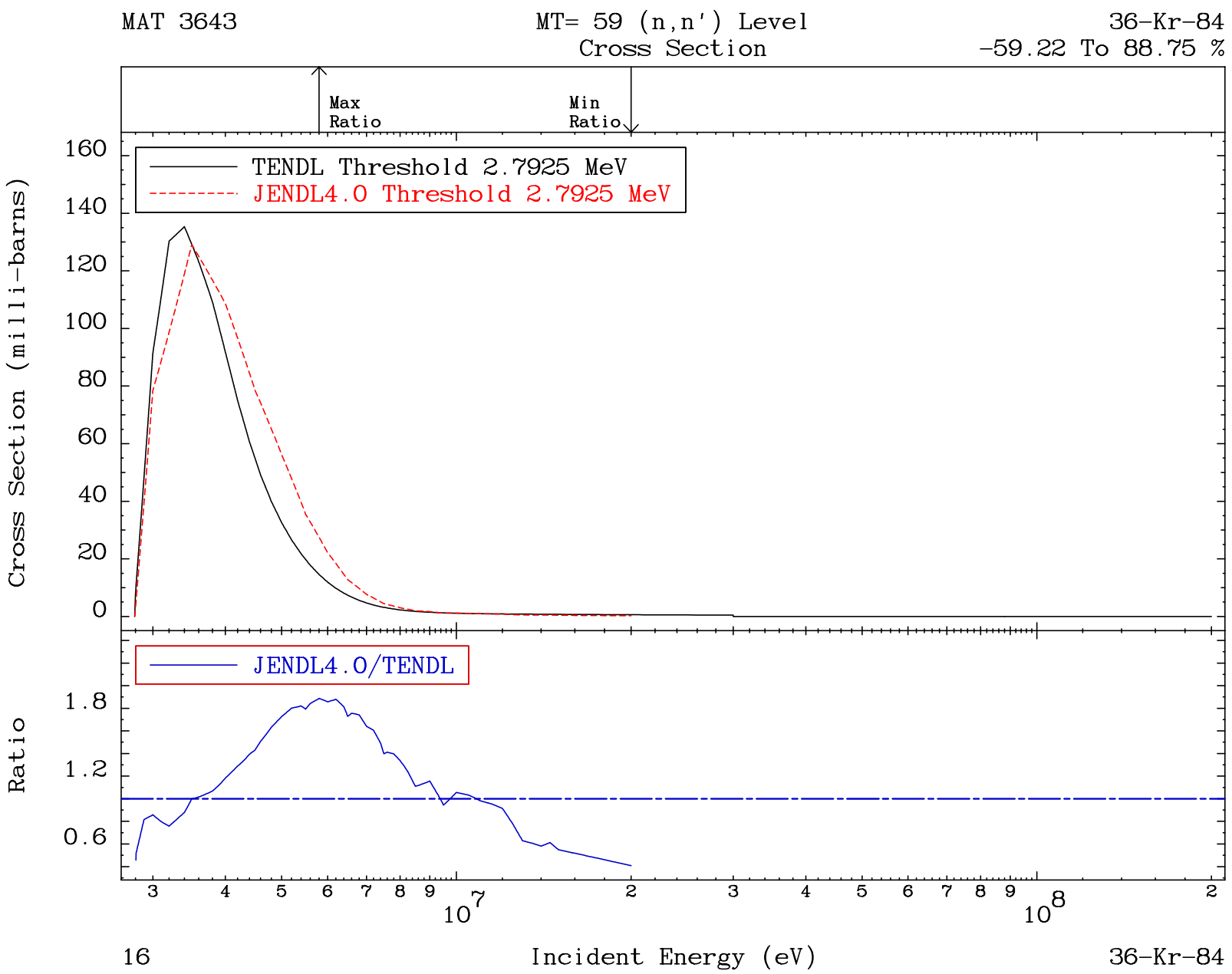

MAT 3643
MT= 54 (n,n') Level
Cross Section
36-Kr-84
-36.70 To 72.14 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.1202 MeV
JENDL4.0 Threshold 2.1202 MeV
Cross Section (milli-barns)
200
150
100
50
0
JENDL4.0/TENDL
Ratio
2.0
1.6
1.2
0.8
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
11
Incident Energy (eV)
36-Kr-84

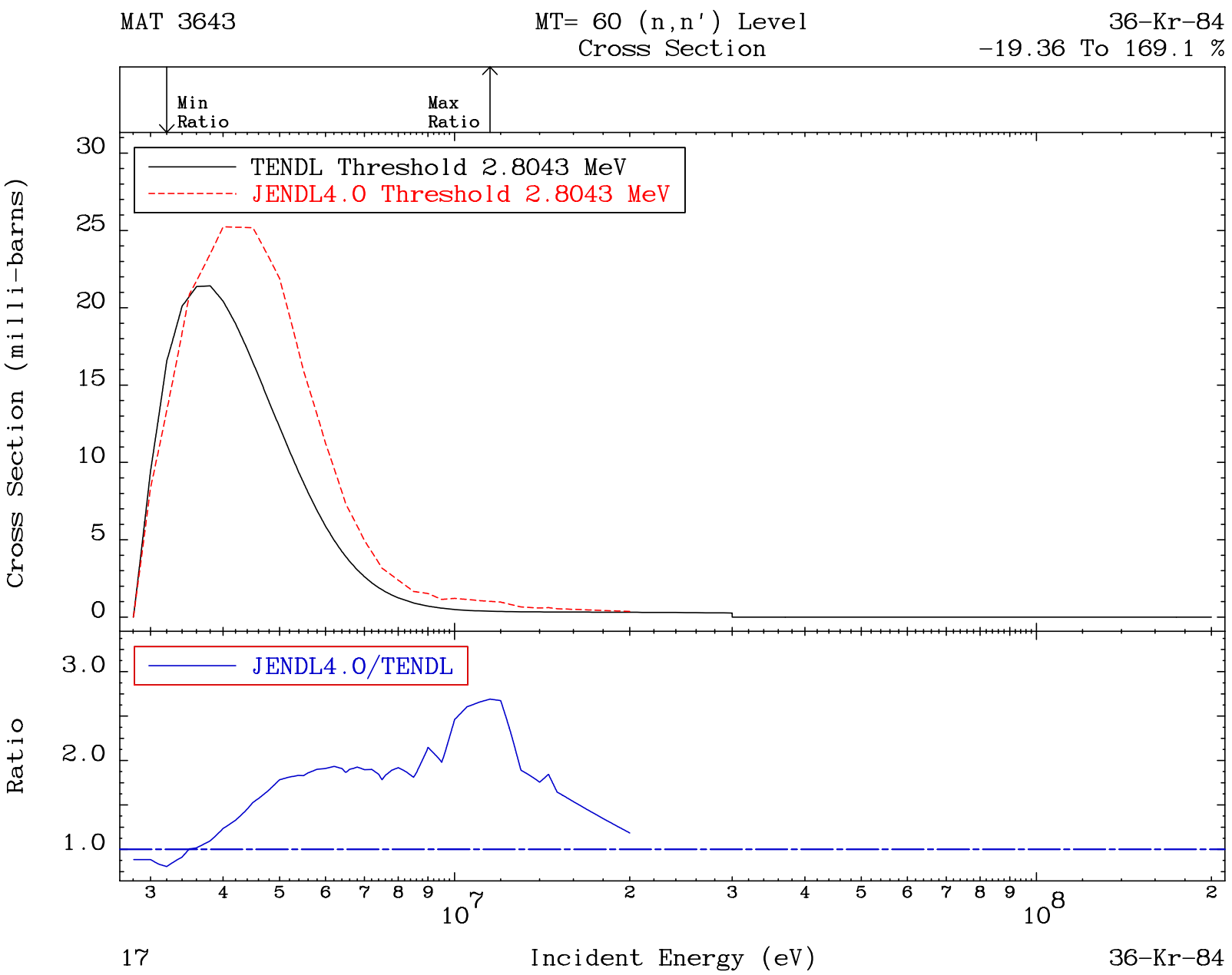

MAT 3643
MT= 55 (n,n') Level
Cross Section
36-Kr-84
-34.57 To 95.09 %
Min Ratio
Max Ratio
TENDL Threshold 2.3737 MeV
JENDL4.0 Threshold 2.3737 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
2.0
1.6
1.2
0.8
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
12
Incident Energy (eV)
36-Kr-84

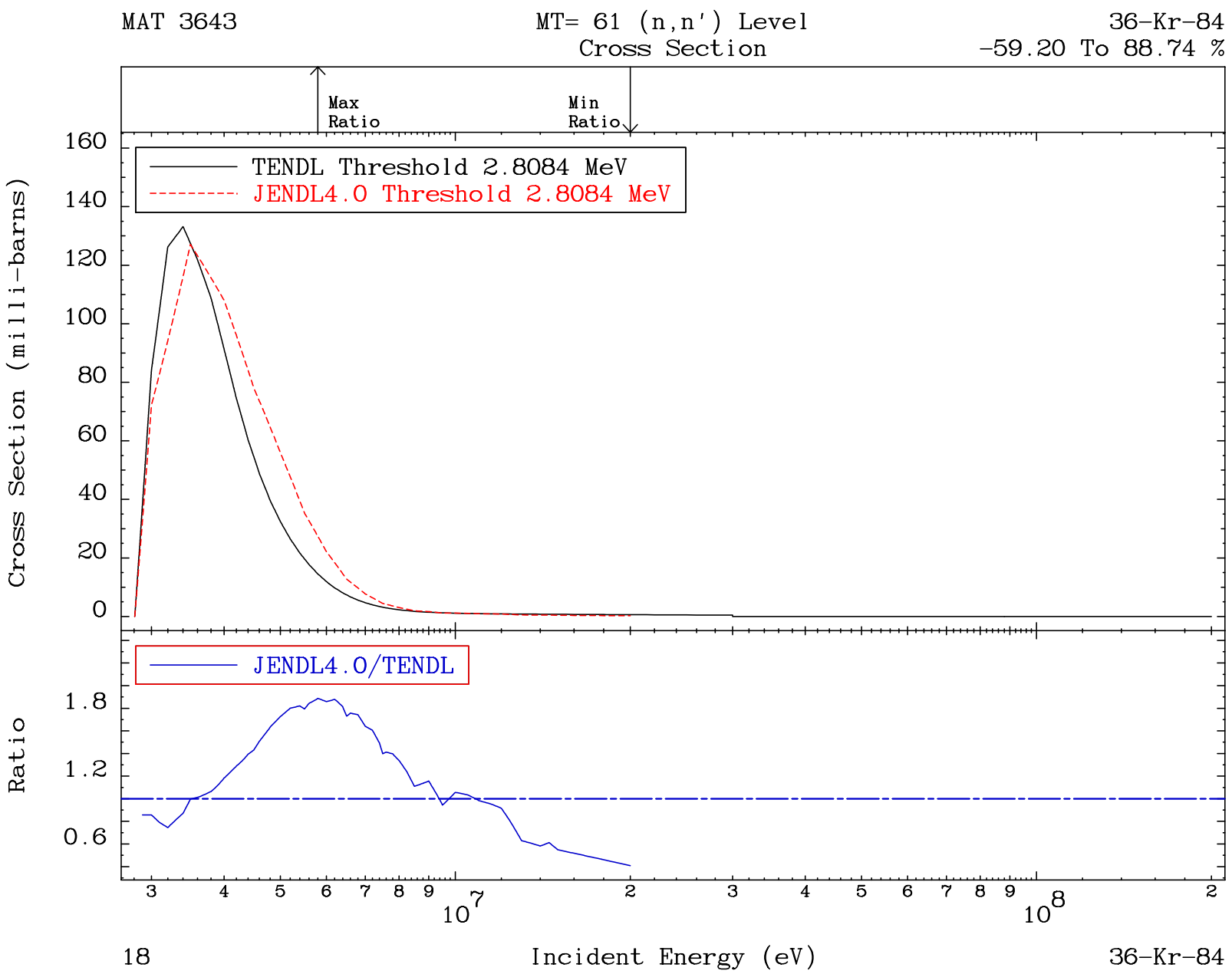

MAT 3643
MT= 56 (n,n') Level
Cross Section
36-Kr-84
-59.49 To 89.28 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.5191 MeV
JENDL4.0 Threshold 2.5191 MeV
Cross Section (milli-barns)
200
150
100
50
0
JENDL4.0/TENDL
Ratio
1.8
1.2
0.6
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
13
Incident Energy (eV)
36-Kr-84

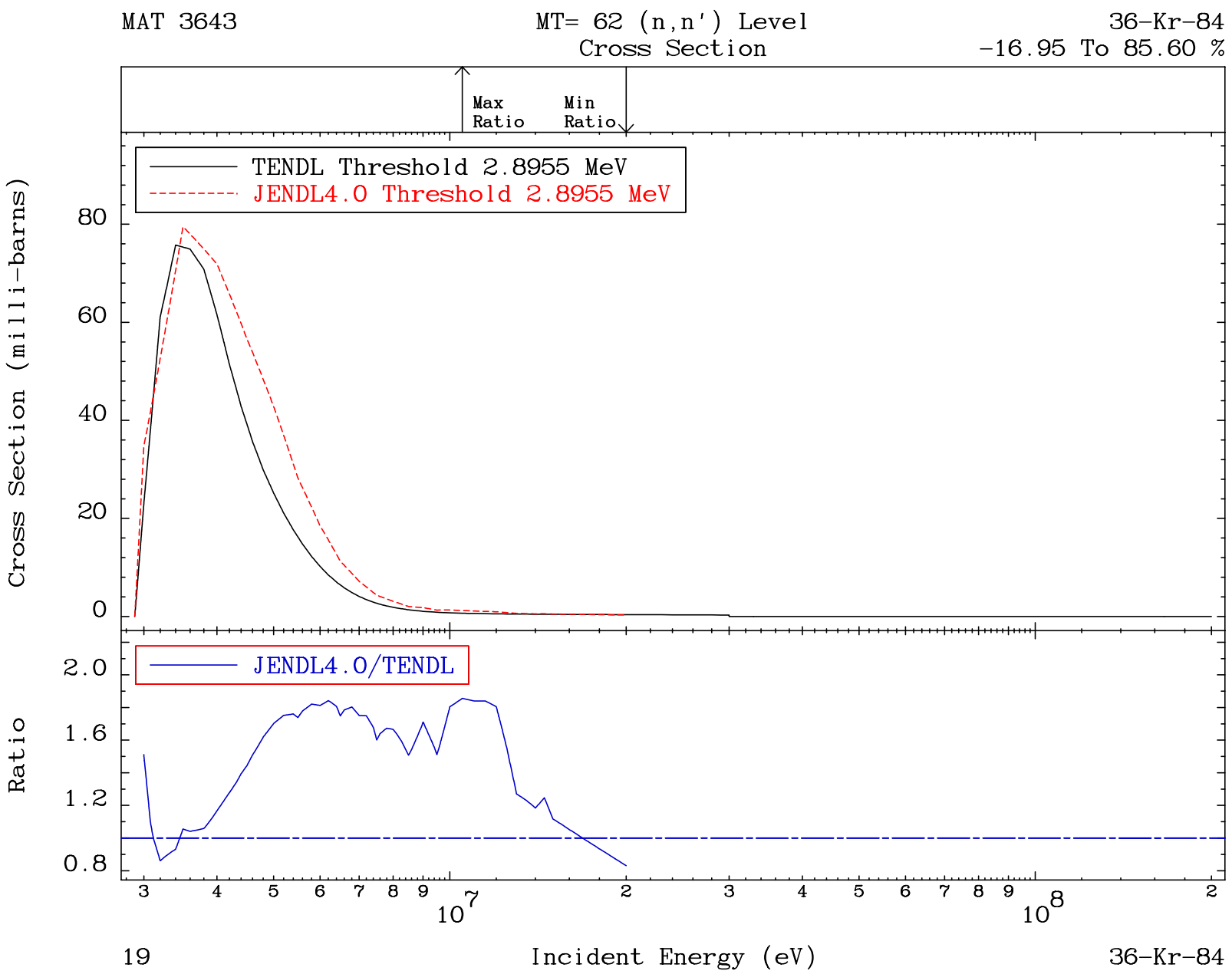

MAT 3643
MT= 57 (n,n') Level
Cross Section
36-Kr-84
-59.36 To 89.00 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.6545 MeV
JENDL4.0 Threshold 2.6545 MeV
Cross Section (milli-barns)
160
120
80
40
0
JENDL4.0/TENDL
Ratio
1.8
1.2
0.6
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
14
Incident Energy (eV)
36-Kr-84

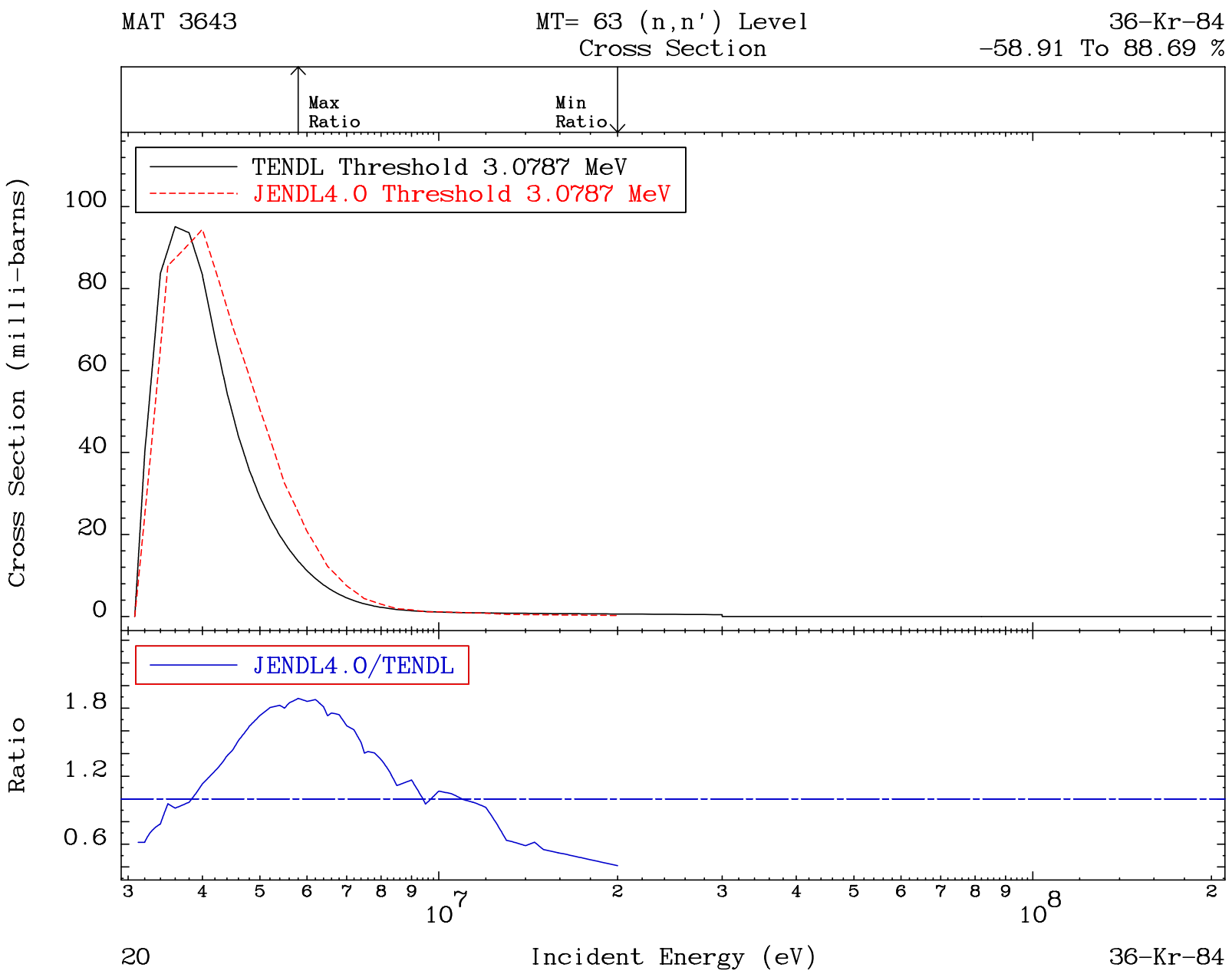

MAT 3643
MT= 58 (n,n') Level
Cross Section
36-Kr-84
-98.90 To 5.440 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.7327 MeV
JENDL4.0 Threshold 2.7327 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^0
10^-1
10^-2
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
15
Incident Energy (eV)
36-Kr-84

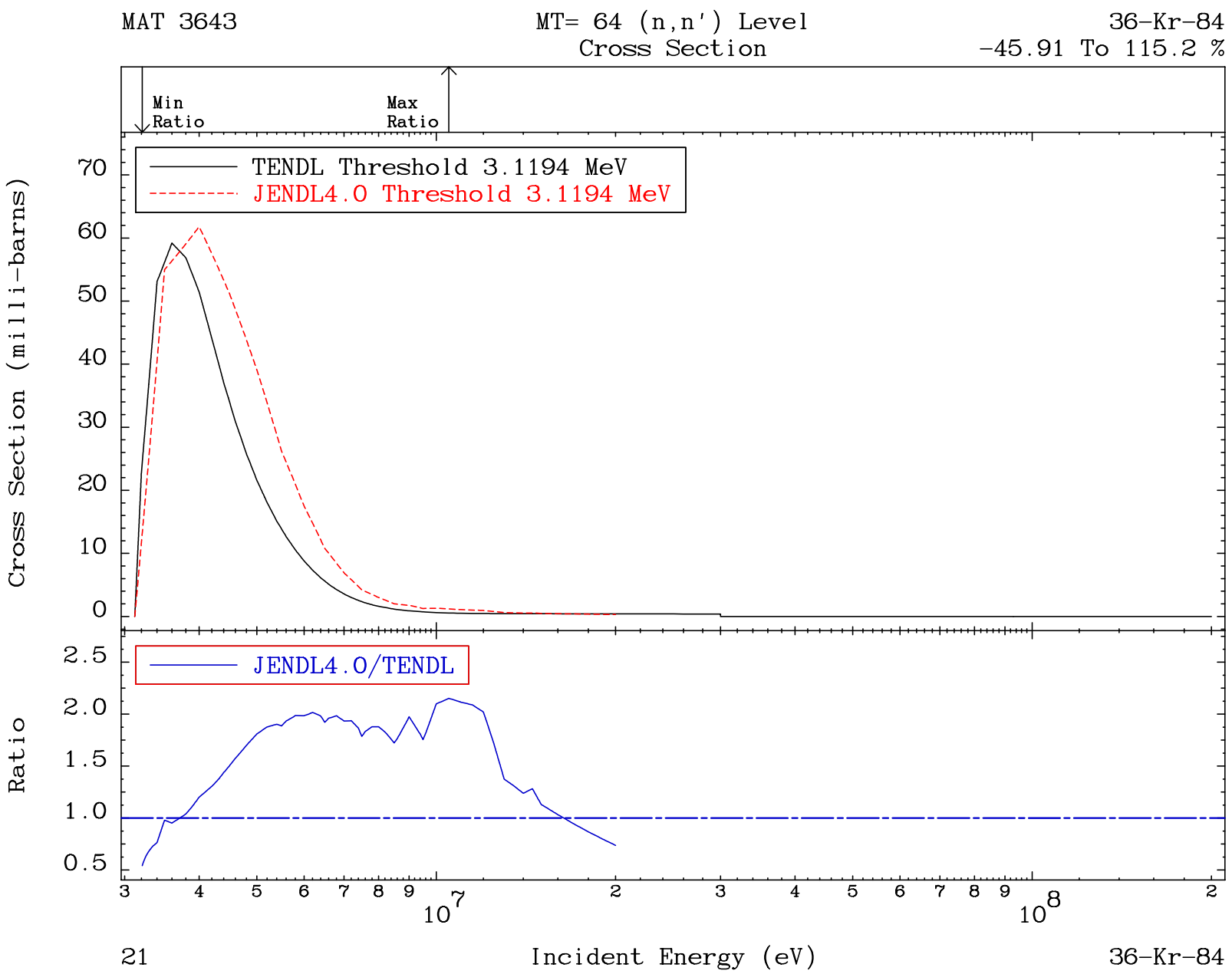

MAT 3643
MT= 59 (n,n') Level
Cross Section
36-Kr-84
-59.22 To 88.75 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.7925 MeV
JENDL4.0 Threshold 2.7925 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
1.8
1.2
0.6
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
16
Incident Energy (eV)
36-Kr-84

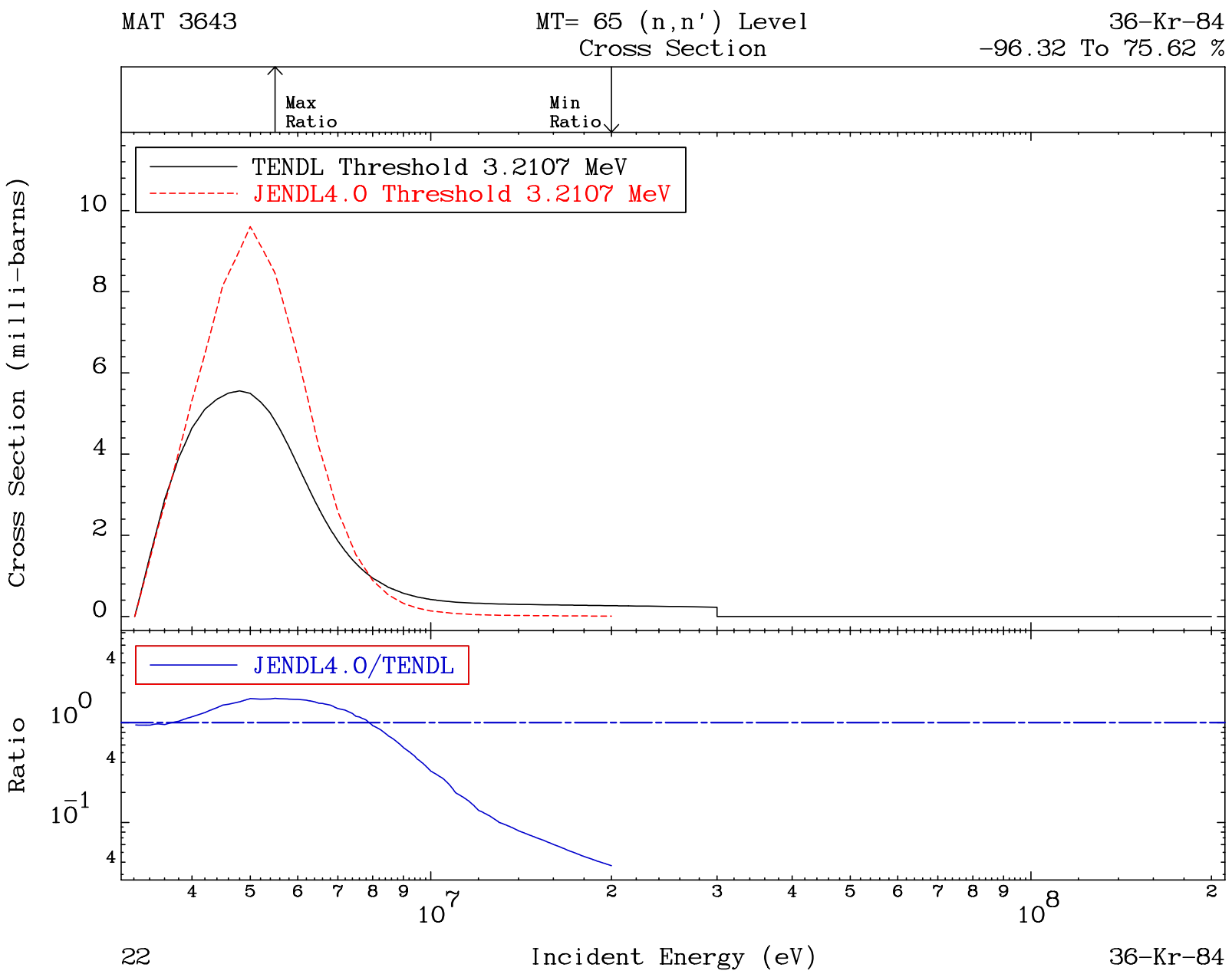

MAT 3643
MT= 60 (n,n') Level
Cross Section
36-Kr-84
-19.36 To 169.1 %
Min Ratio
Max Ratio
TENDL Threshold 2.8043 MeV
JENDL4.0 Threshold 2.8043 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
JENDL4.0/TENDL
Ratio
3.0
2.0
1.0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
17
Incident Energy (eV)
36-Kr-84

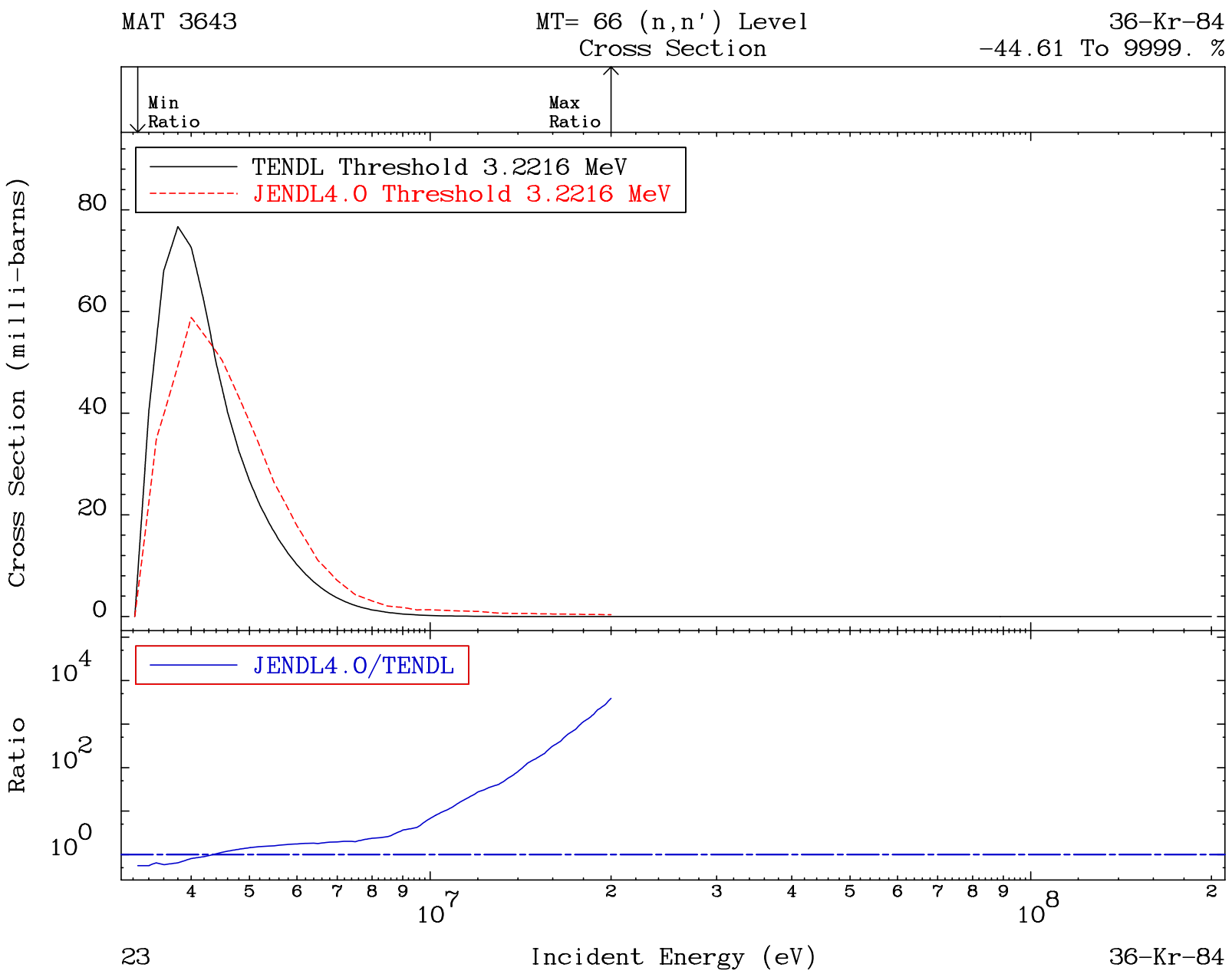

MAT 3643
MT= 61 (n,n') Level
Cross Section
36-Kr-84
-59.20 To 88.74 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.8084 MeV
JENDL4.0 Threshold 2.8084 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
1.8
1.2
0.6
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
18
Incident Energy (eV)
36-Kr-84

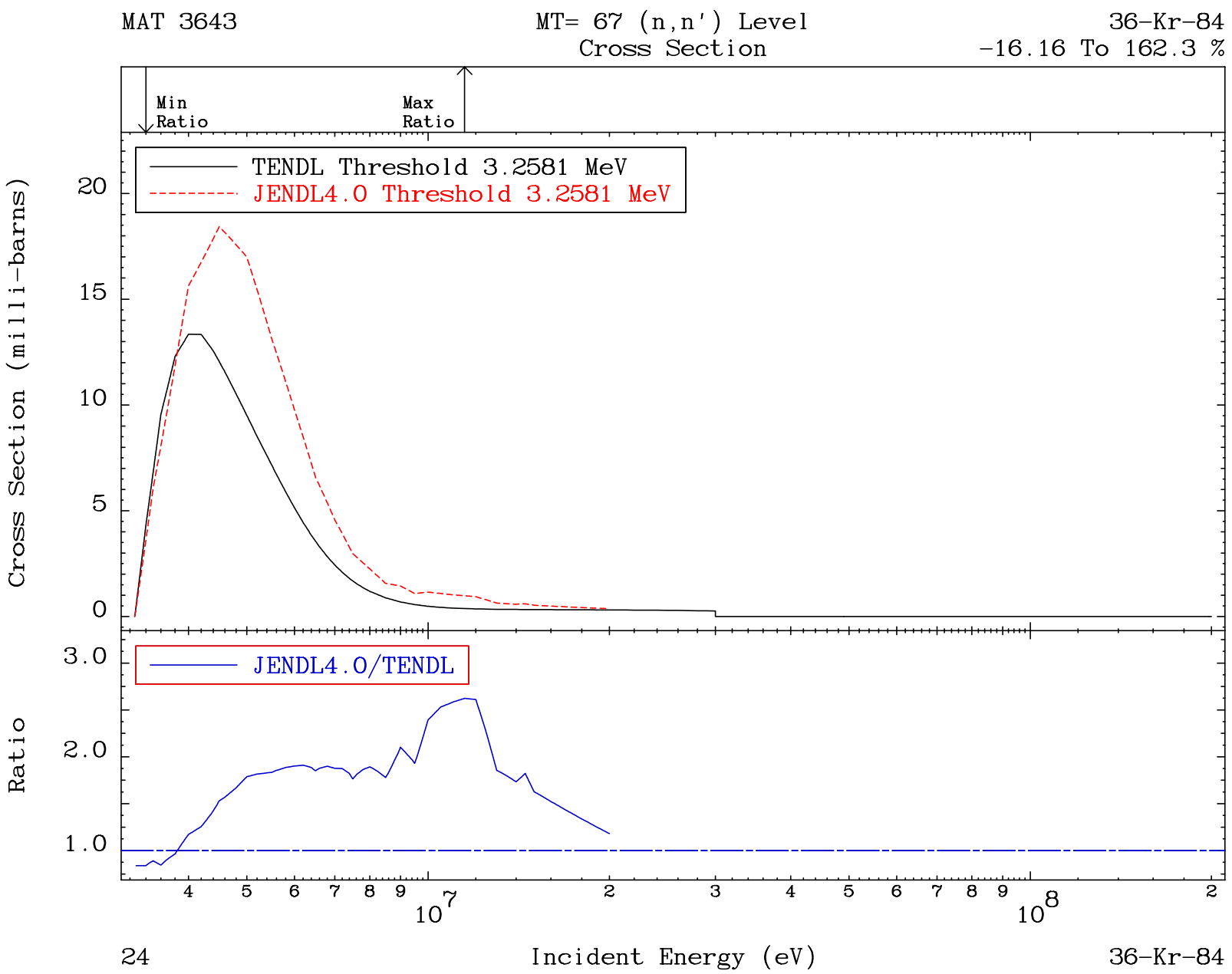

MAT 3643
MT= 62 (n,n') Level
Cross Section
36-Kr-84
-16.95 To 85.60 %
Max Ratio
Min Ratio
TENDL Threshold 2.8955 MeV
JENDL4.0 Threshold 2.8955 MeV
Cross Section (milli-barns)
80
60
40
20
0
JENDL4.0/TENDL
Ratio
2.0
1.6
1.2
0.8
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
19
Incident Energy (eV)
36-Kr-84

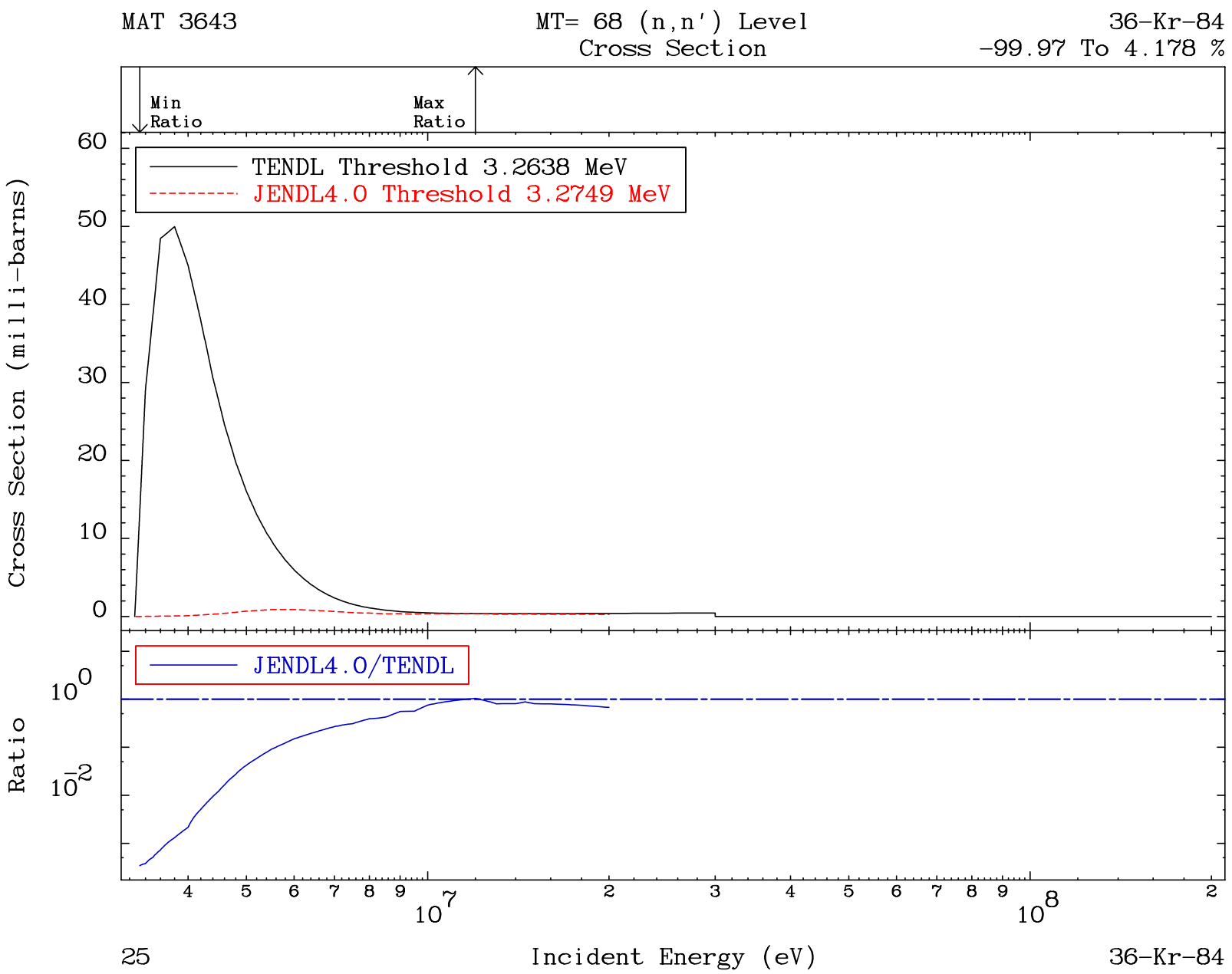

MAT 3643
MT= 63 (n,n') Level
Cross Section
36-Kr-84
-58.91 To 88.69 %
Max
Ratio
Min
Ratio
TENDL Threshold 3.0787 MeV
JENDL4.0 Threshold 3.0787 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
1.8
1.2
0.6
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
20
Incident Energy (eV)
36-Kr-84

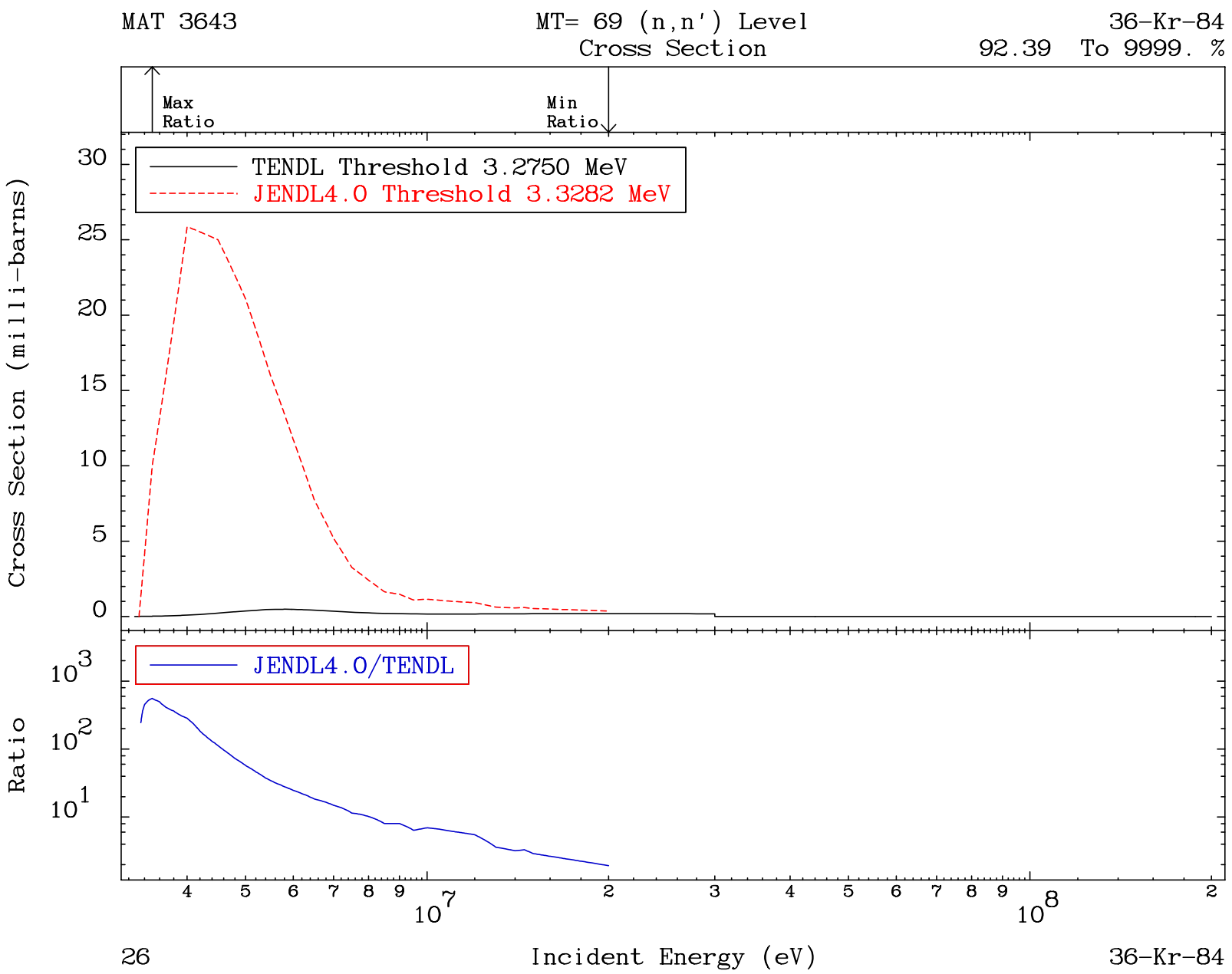

MAT 3643
MT= 64 (n,n') Level
Cross Section
36-Kr-84
-45.91 To 115.2 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.1194 MeV
JENDL4.0 Threshold 3.1194 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
2.5
2.0
1.5
1.0
0.5
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
21
Incident Energy (eV)
36-Kr-84

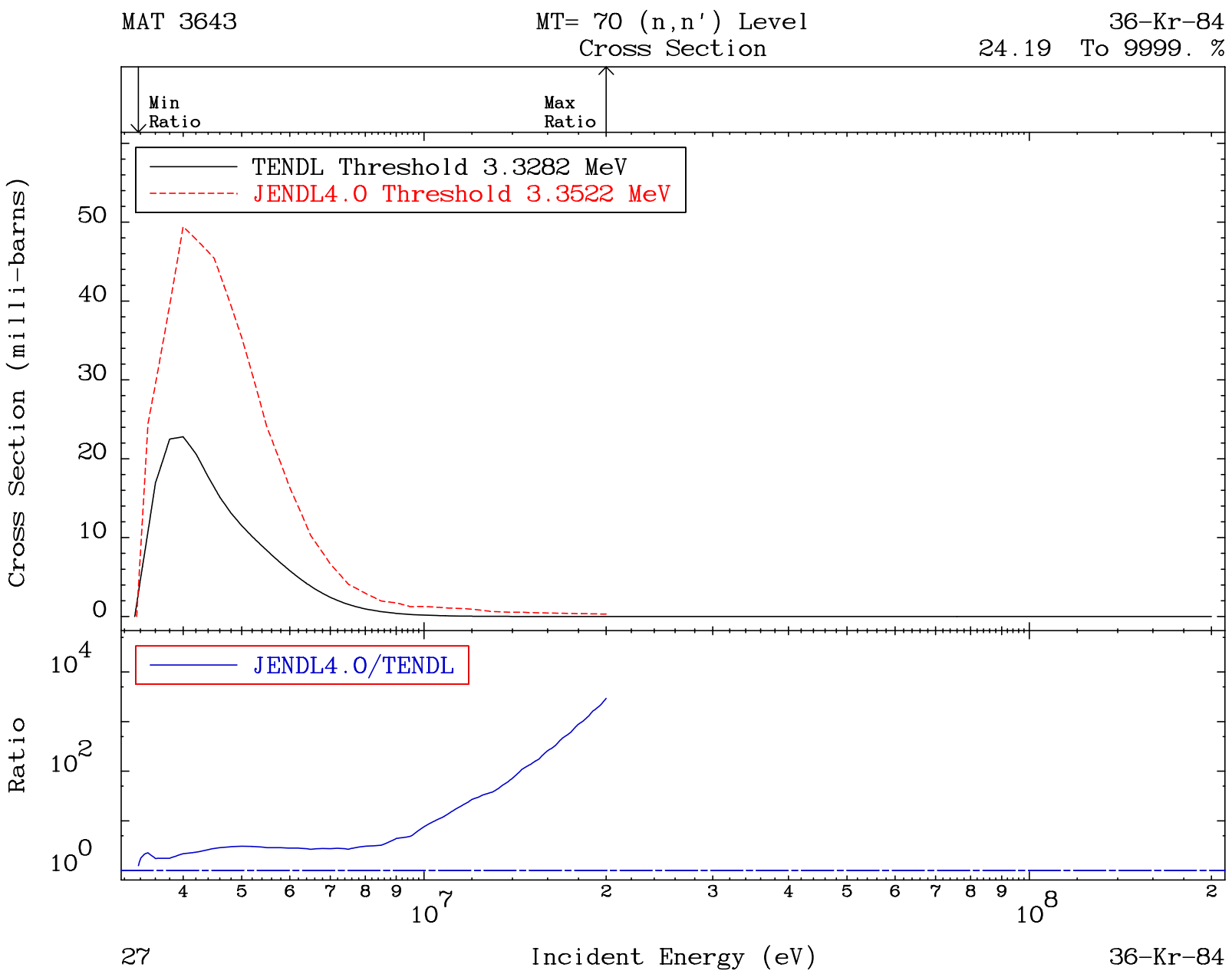

MAT 3643
MT= 65 (n,n') Level
Cross Section
36-Kr-84
-96.32 To 75.62 %
Max
Ratio
Min
Ratio
TENDL Threshold 3.2107 MeV
JENDL4.0 Threshold 3.2107 MeV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
22
36-Kr-84

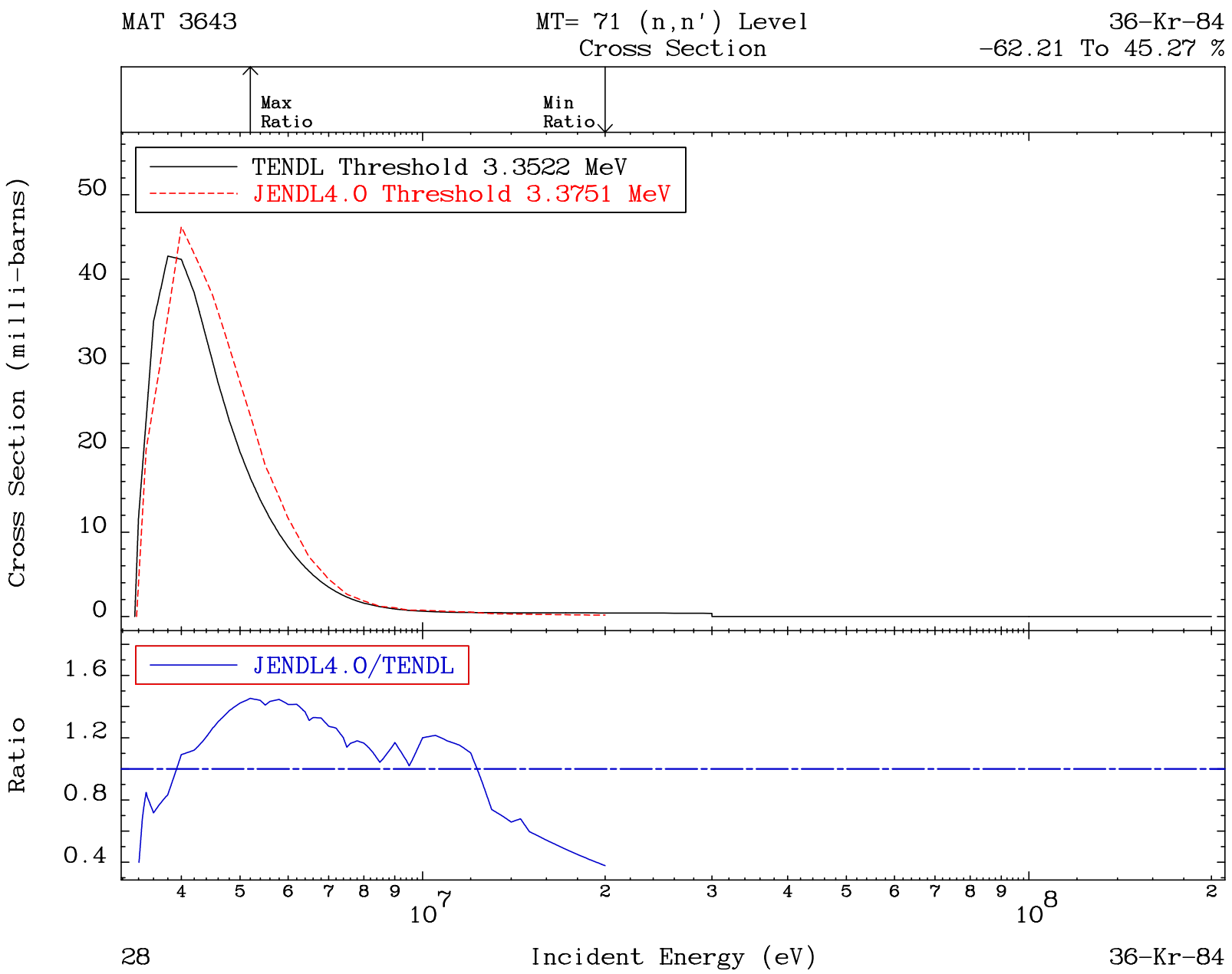

MAT 3643
MT= 66 (n,n') Level
Cross Section
36-Kr-84
-44.61 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 3.2216 MeV
JENDL4.0 Threshold 3.2216 MeV
Cross Section (milli-barns)
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^4
10^2
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
23
Incident Energy (eV)
36-Kr-84

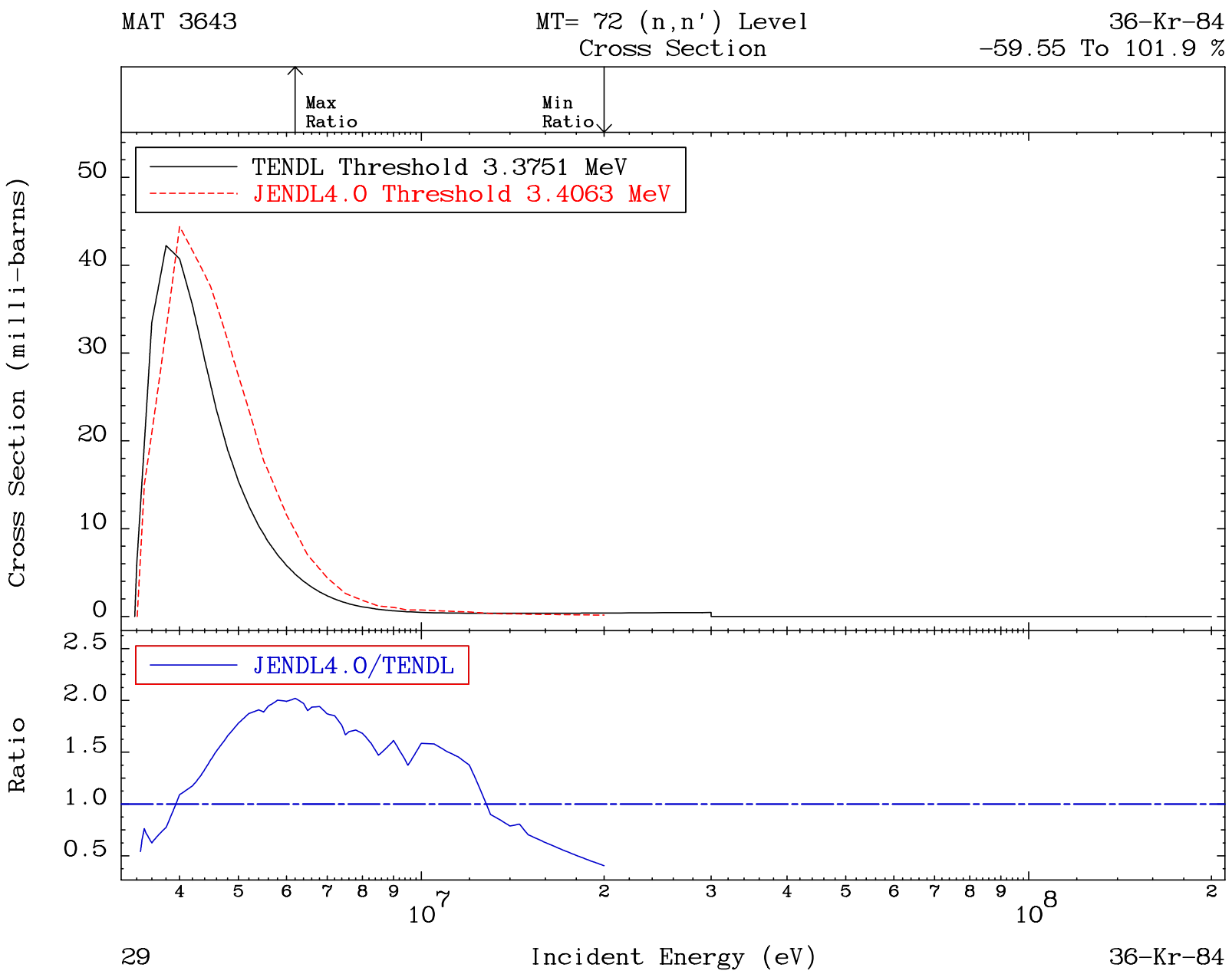

MAT 3643
MT= 67 (n,n') Level
Cross Section
36-Kr-84
-16.16 To 162.3 %
Min Ratio
Max Ratio
TENDL Threshold 3.2581 MeV
JENDL4.0 Threshold 3.2581 MeV
Cross Section (milli-barns)
20
15
10
5
0
JENDL4.0/TENDL
Ratio
3.0
2.0
1.0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
24
Incident Energy (eV)
36-Kr-84

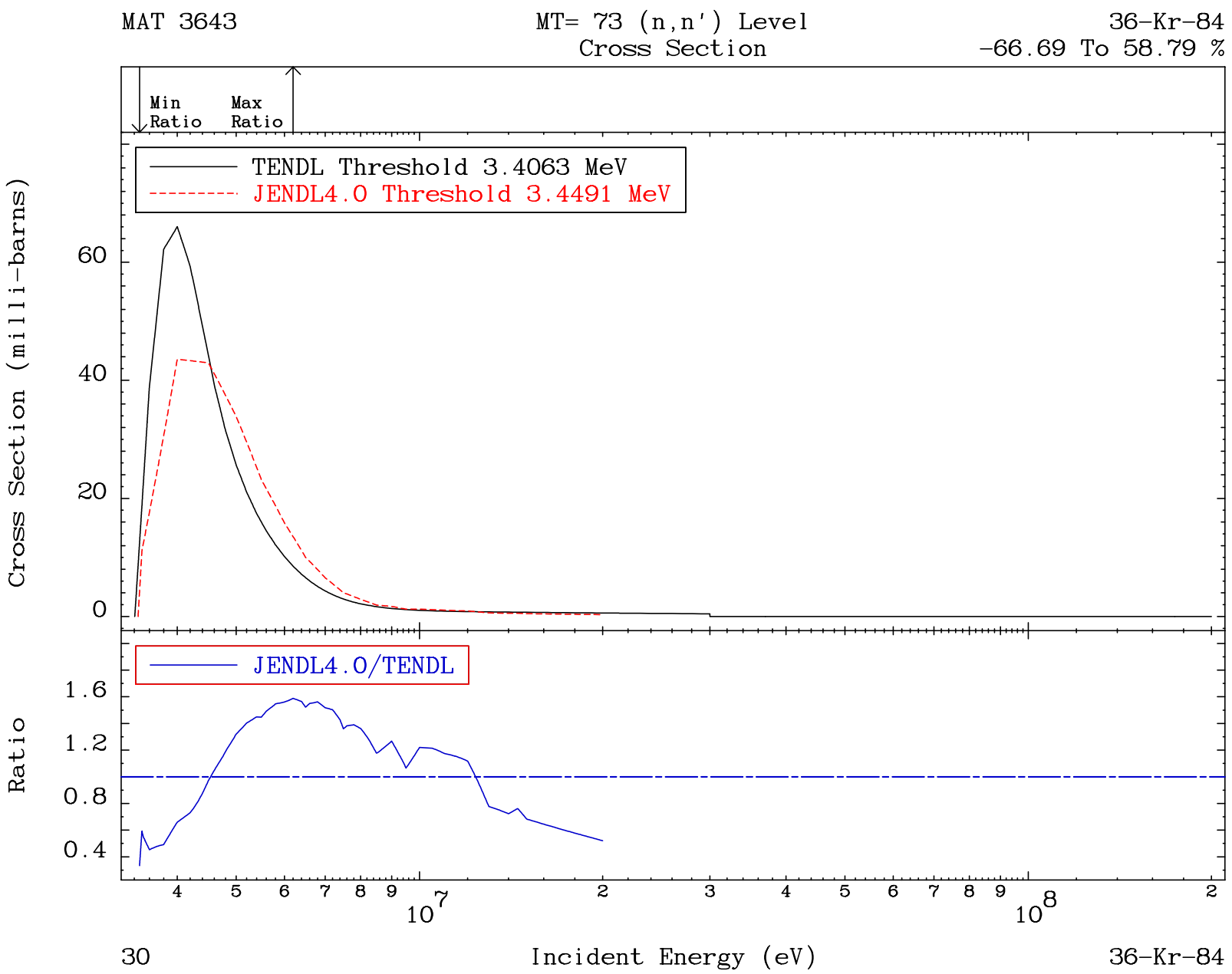

MAT 3643
MT= 68 (n,n') Level
Cross Section
36-Kr-84
-99.97 To 4.178 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.2638 MeV
JENDL4.0 Threshold 3.2749 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^0
10^-2
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
25
Incident Energy (eV)
36-Kr-84

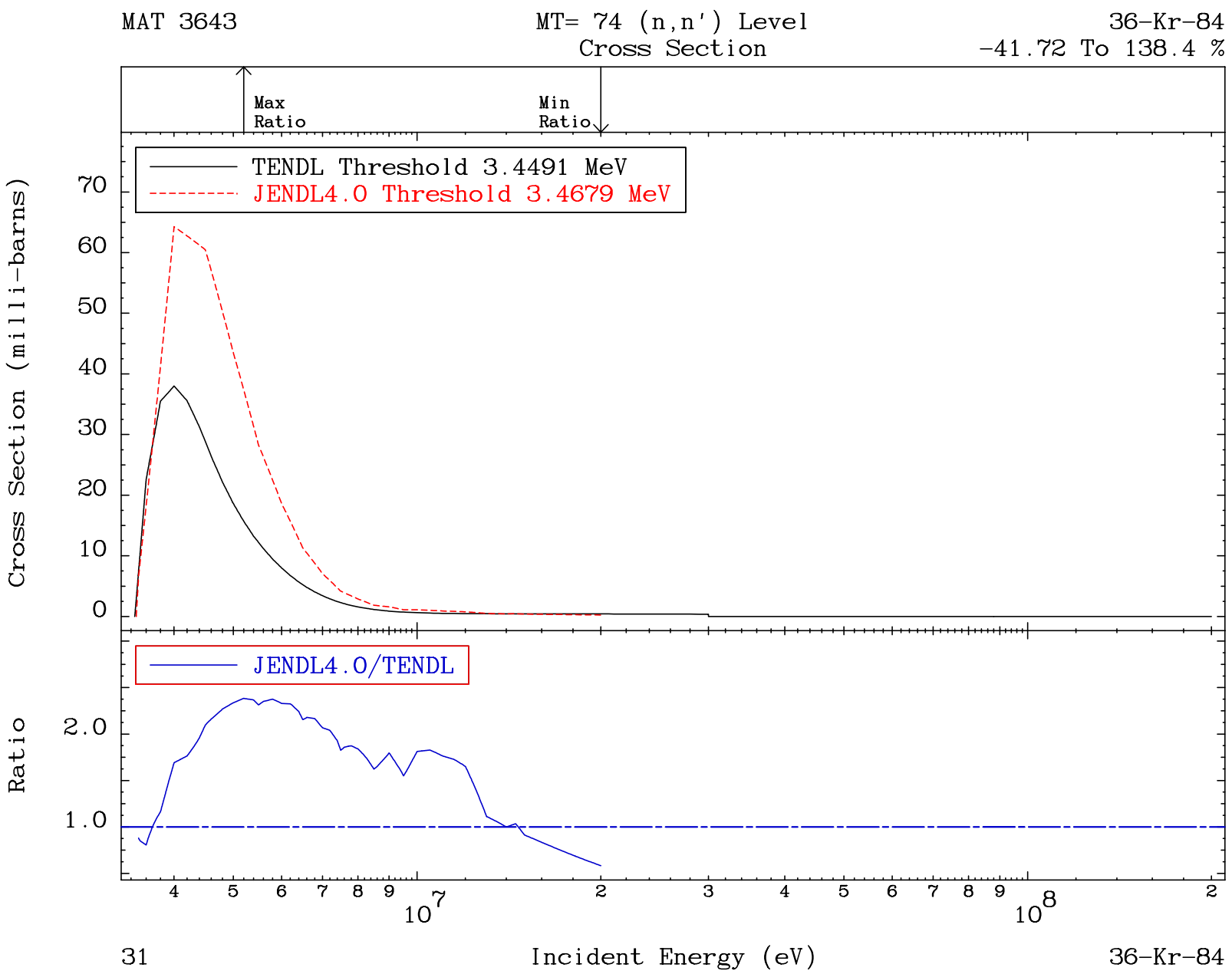

MAT 3643
MT= 69 (n,n') Level
Cross Section
36-Kr-84
92.39 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.2750 MeV
JENDL4.0 Threshold 3.3282 MeV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
26
36-Kr-84

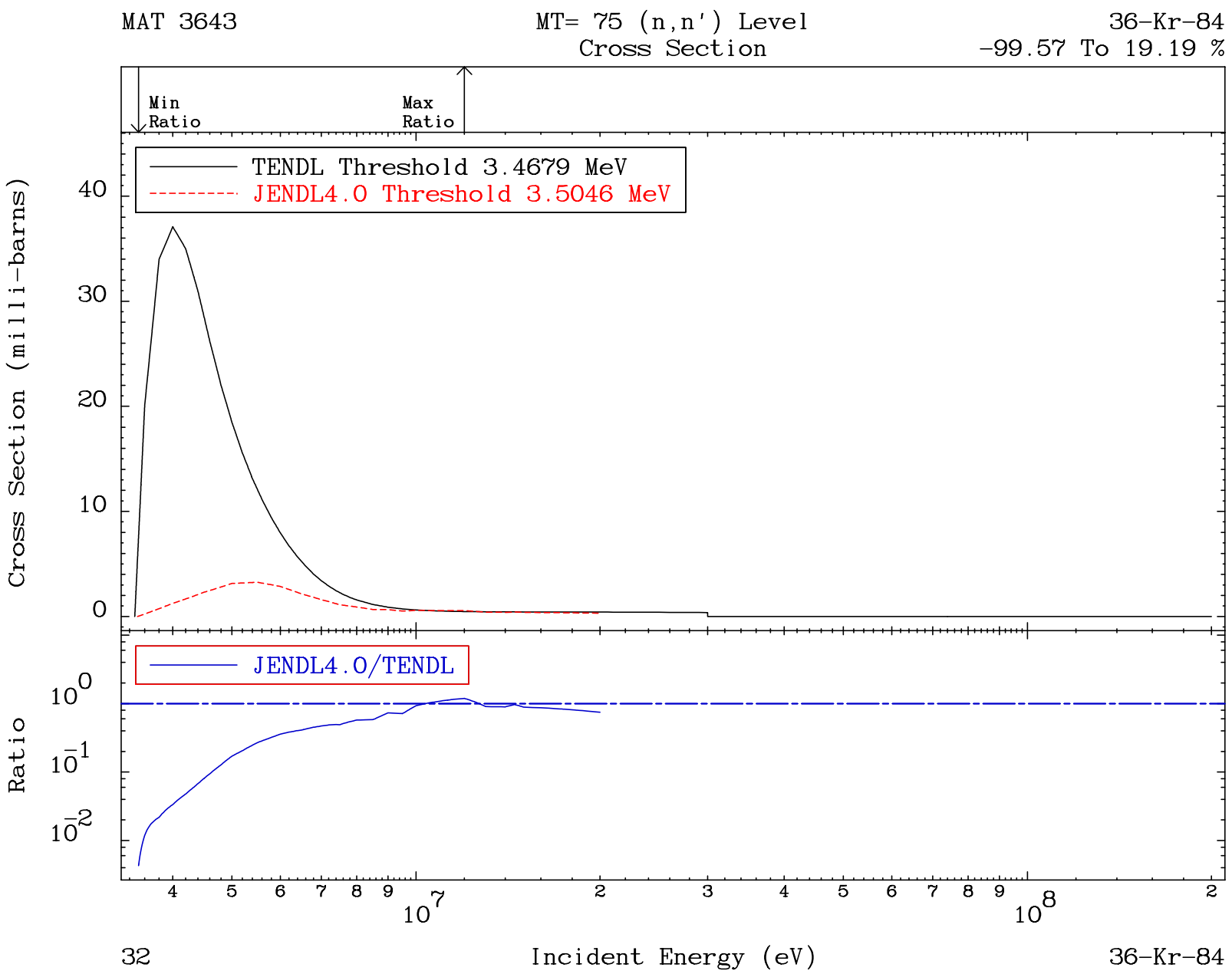

MAT 3643
MT= 70 (n,n') Level
Cross Section
36-Kr-84
24.19 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.3282 MeV
JENDL4.0 Threshold 3.3522 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^4
10^2
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
27
Incident Energy (eV)
36-Kr-84

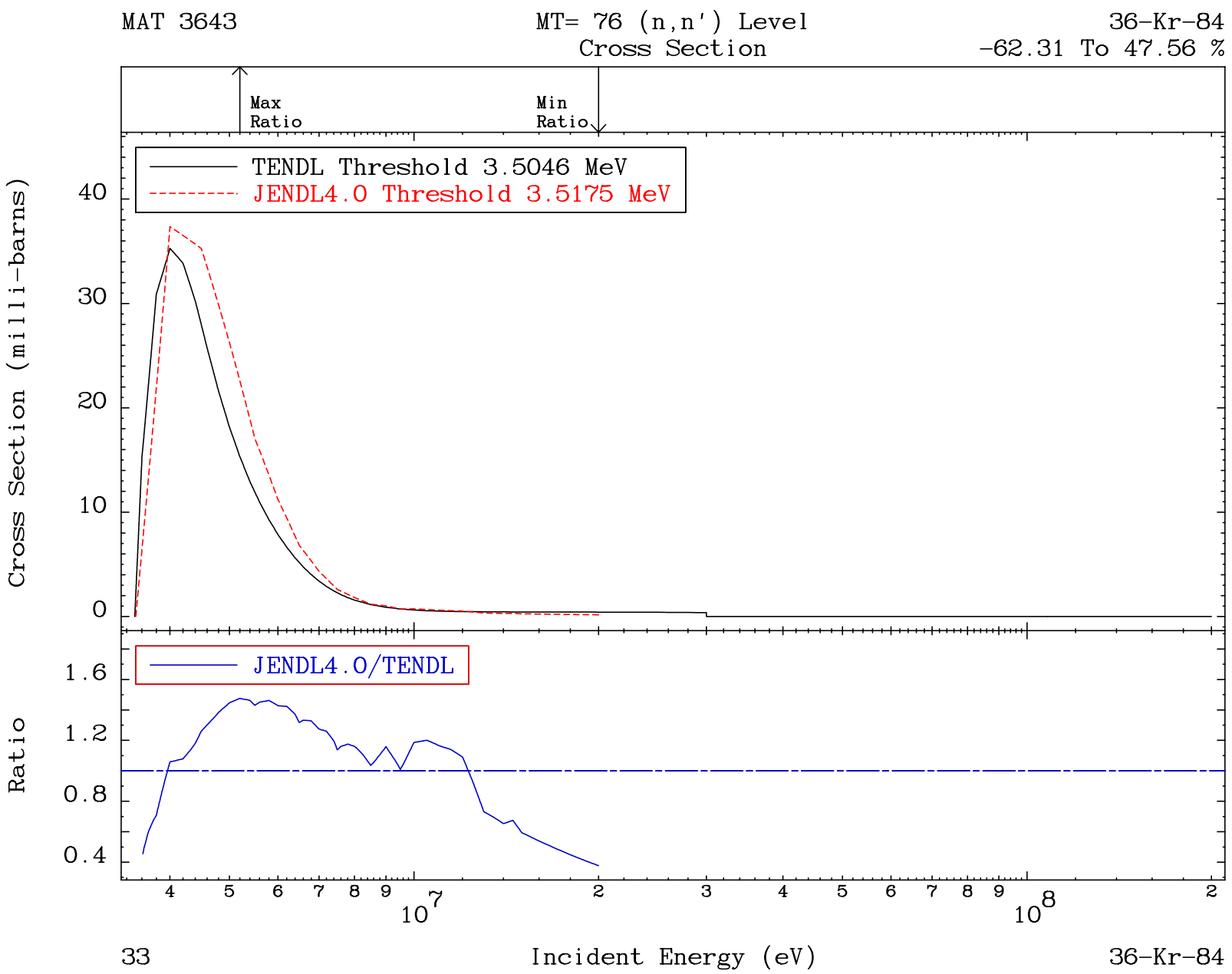

MAT 3643
MT= 71 (n,n') Level
Cross Section
36-Kr-84
-62.21 To 45.27 %
Max
Ratio
Min
Ratio
TENDL Threshold 3.3522 MeV
JENDL4.0 Threshold 3.3751 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
1.6
1.2
0.8
0.4
4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
28
Incident Energy (eV)
36-Kr-84

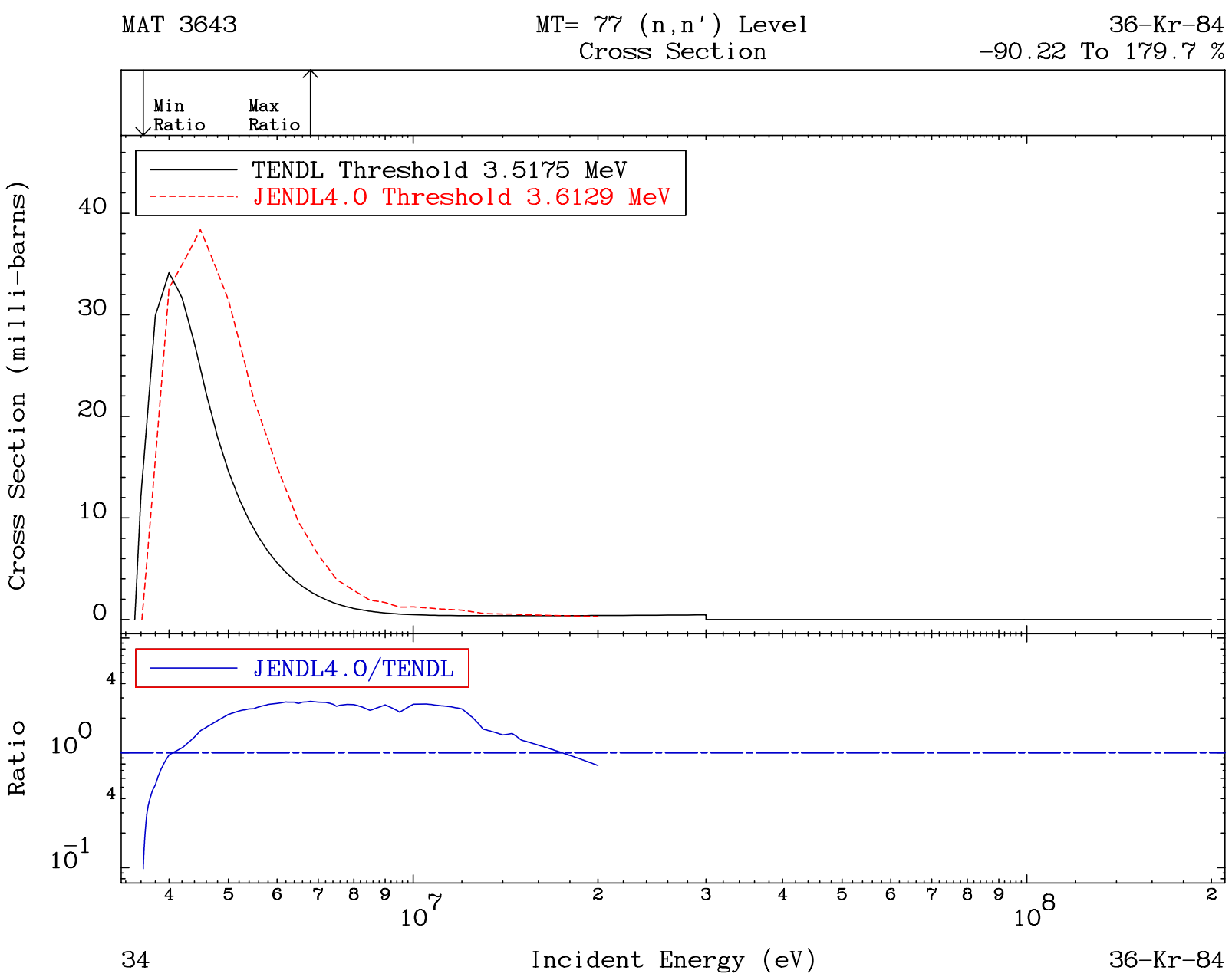

MAT 3643
MT= 72 (n,n') Level
Cross Section
36-Kr-84
-59.55 To 101.9 %
Max
Ratio
Min
Ratio
TENDL Threshold 3.3751 MeV
JENDL4.0 Threshold 3.4063 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
2.5
2.0
1.5
1.0
0.5
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
29
Incident Energy (eV)
36-Kr-84

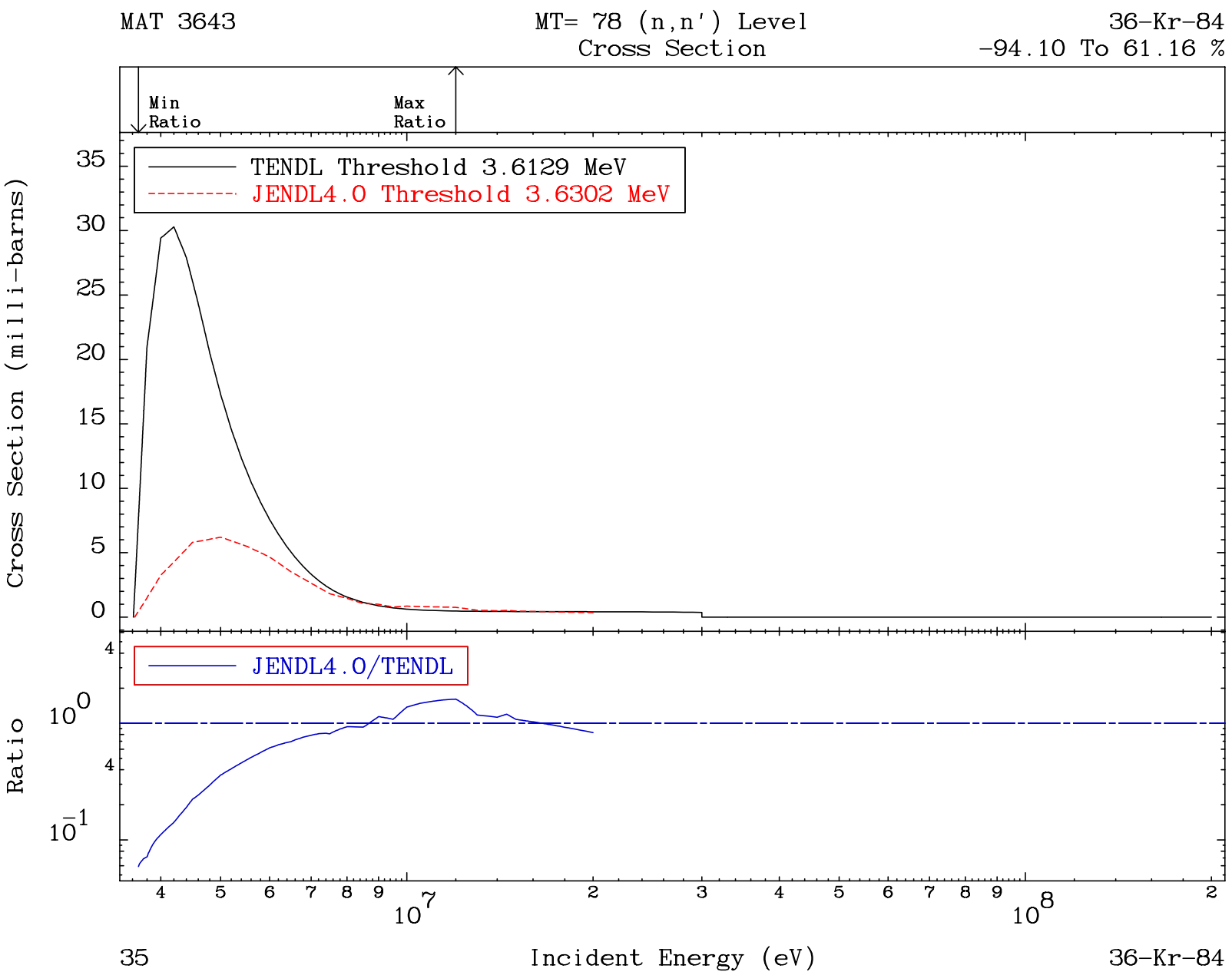

MAT 3643
MT= 73 (n,n') Level
Cross Section
36-Kr-84
-66.69 To 58.79 %
Min Ratio
Max Ratio
TENDL Threshold 3.4063 MeV
JENDL4.0 Threshold 3.4491 MeV
Cross Section (milli-barns)
60
40
20
0
JENDL4.0/TENDL
Ratio
1.6
1.2
0.8
0.4
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
30
Incident Energy (eV)
36-Kr-84

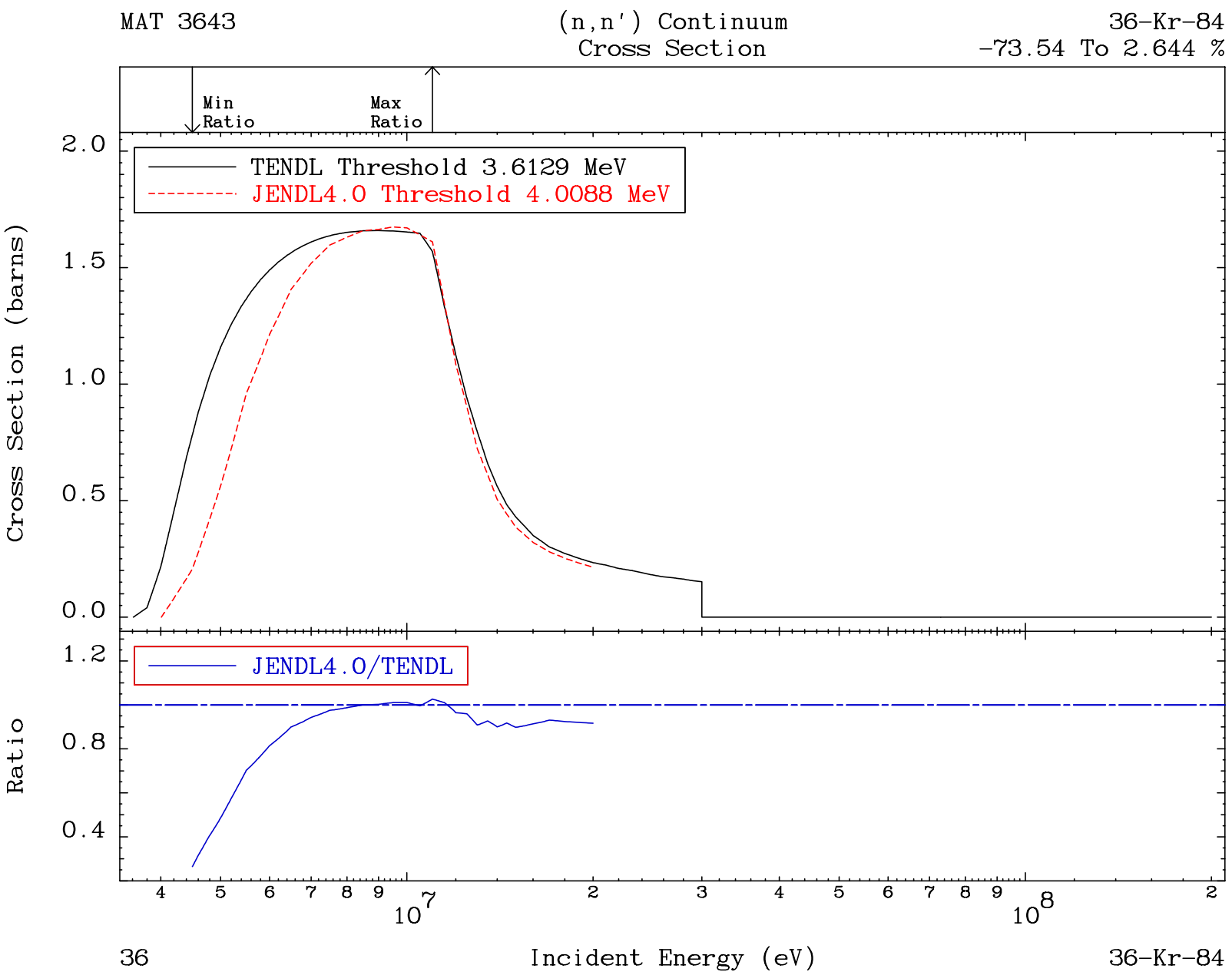

MAT 3643
MT= 74 (n,n') Level
Cross Section
36-Kr-84
-41.72 To 138.4 %
Max
Ratio
Min
Ratio
TENDL Threshold 3.4491 MeV
JENDL4.0 Threshold 3.4679 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
2.0
1.0
4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
31
Incident Energy (eV)
36-Kr-84

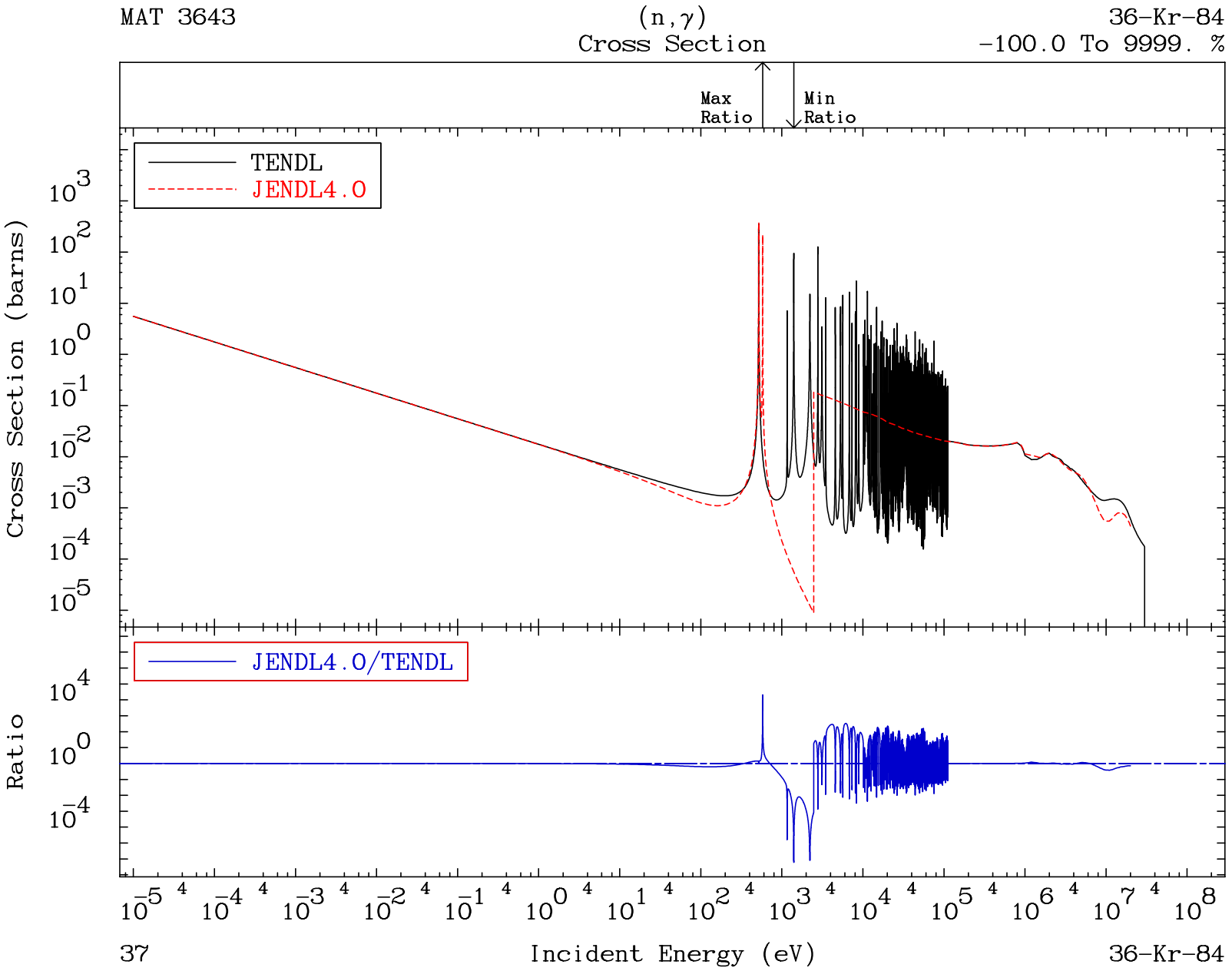

MAT 3643
MT= 75 (n,n') Level
Cross Section
36-Kr-84
-99.57 To 19.19 %
Min Ratio
Max Ratio
TENDL Threshold 3.4679 MeV
JENDL4.0 Threshold 3.5046 MeV
Cross Section (milli-barns)
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^0
10^-1
10^-2
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
32
Incident Energy (eV)
36-Kr-84

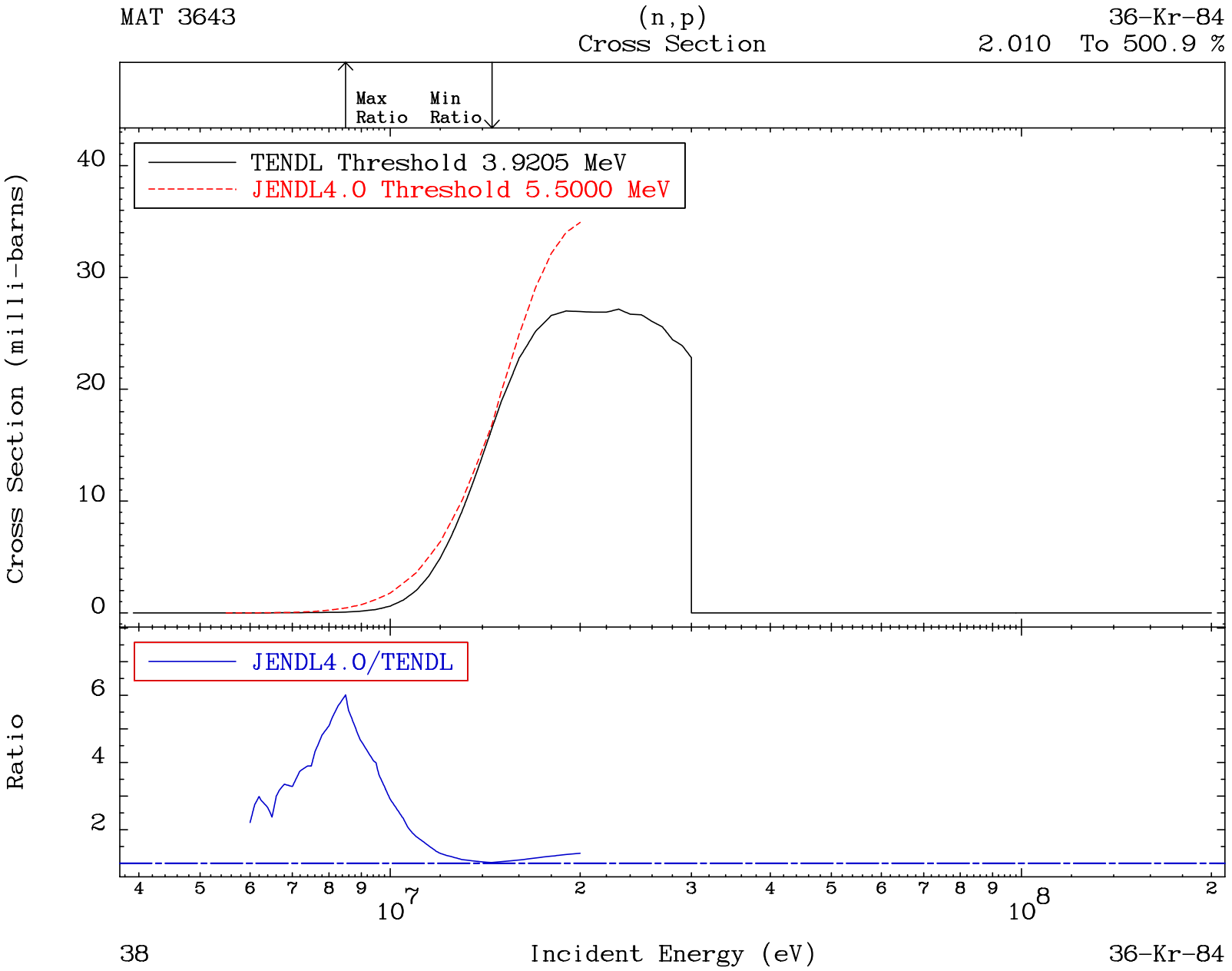

MAT 3643
MT= 76 (n,n') Level
Cross Section
36-Kr-84
-62.31 To 47.56 %
Max
Ratio
Min
Ratio
TENDL Threshold 3.5046 MeV
JENDL4.0 Threshold 3.5175 MeV
Cross Section (milli-barns)
40
30
20
10
0
JENDL4.0/TENDL
Ratio
1.6
1.2
0.8
0.4
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
33
Incident Energy (eV)
36-Kr-84

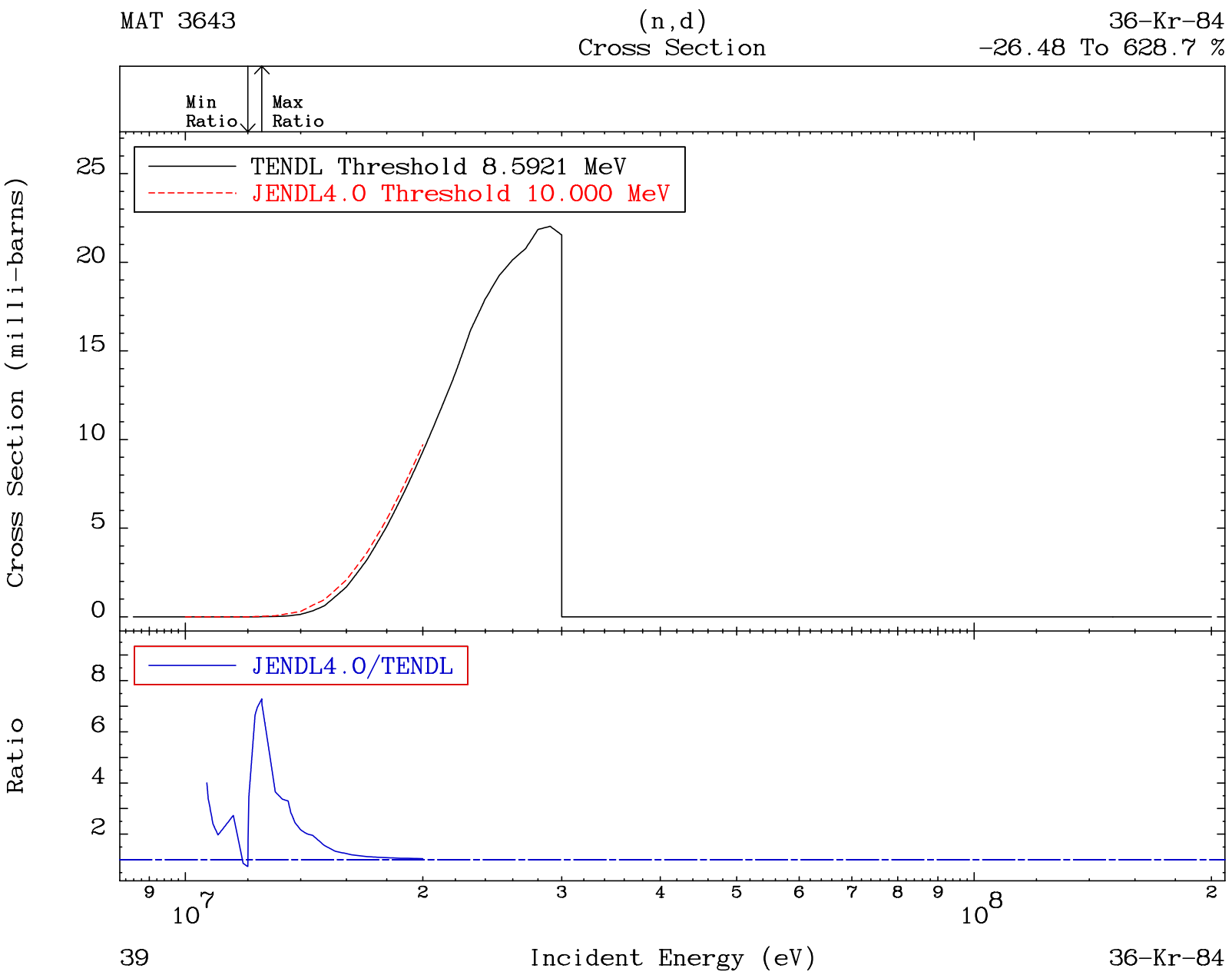

MAT 3643
MT= 77 (n,n') Level
Cross Section
36-Kr-84
-90.22 To 179.7 %
Min Ratio
Max Ratio
TENDL Threshold 3.5175 MeV
JENDL4.0 Threshold 3.6129 MeV
Cross Section (milli-barns)
40
30
20
10
0
JENDL4.0/TENDL
Ratio
4
10^0
4
10^-1
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
34
Incident Energy (eV)
36-Kr-84

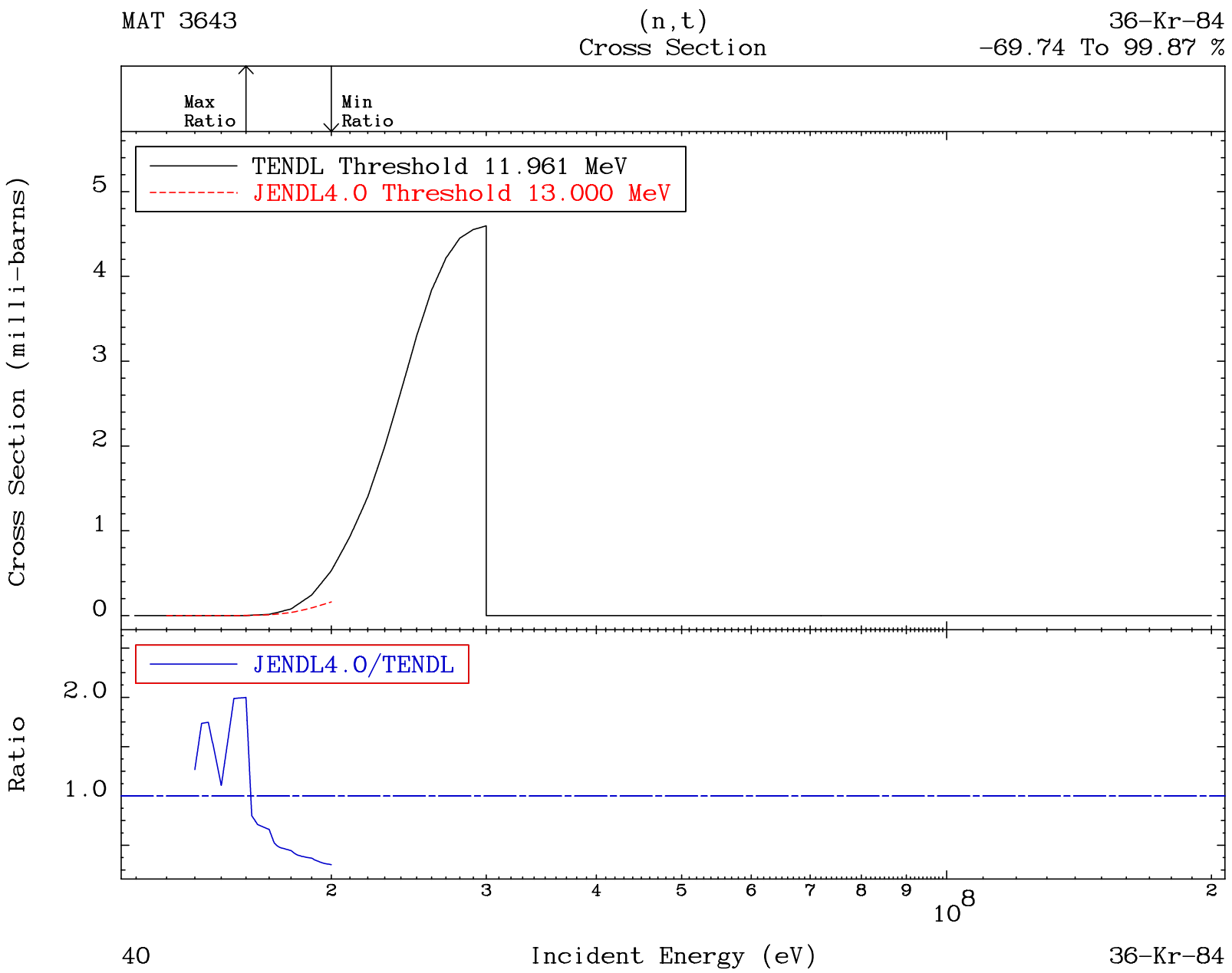

MAT 3643
MT= 78 (n,n') Level
Cross Section
36-Kr-84
-94.10 To 61.16 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.6129 MeV
JENDL4.0 Threshold 3.6302 MeV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
35
36-Kr-84

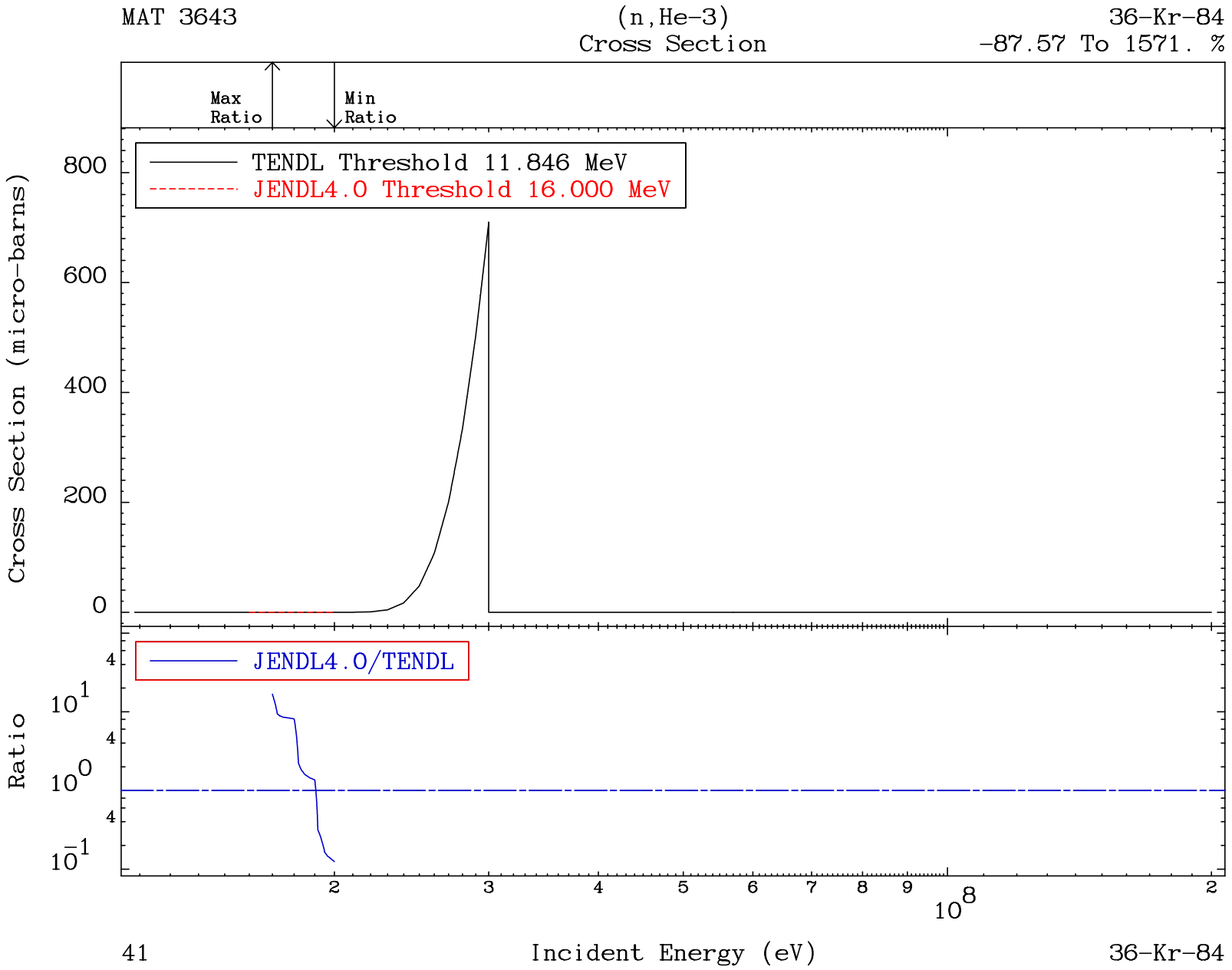

MAT 3643
(n,n') Continuum
Cross Section
36-Kr-84
-73.54 To 2.644 %
Min Ratio
Max Ratio
TENDL Threshold 3.6129 MeV
JENDL4.0 Threshold 4.0088 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JENDL4.0/TENDL
Ratio
1.2
0.8
0.4
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
36
Incident Energy (eV)
36-Kr-84

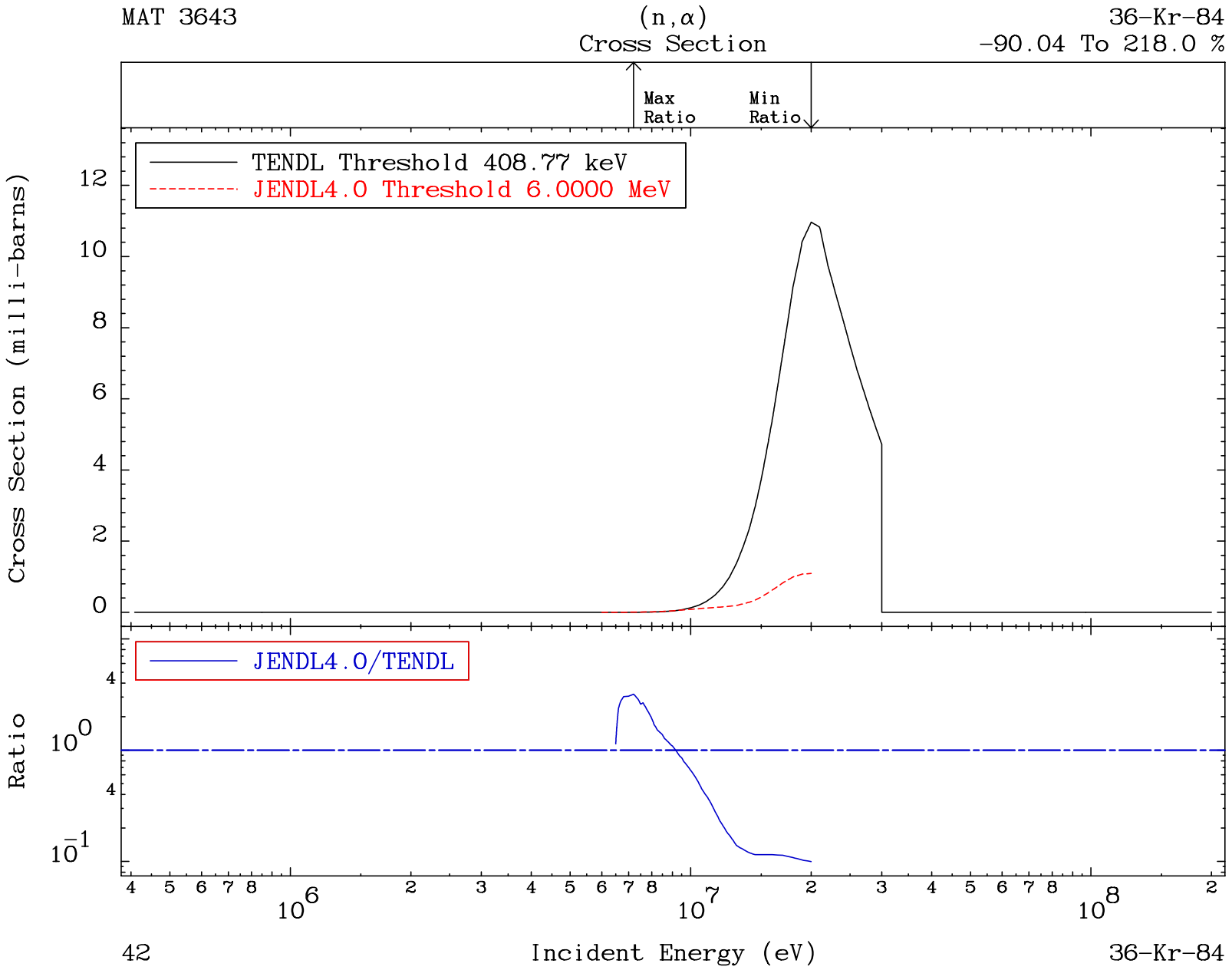

MAT 3643
(n,γ)
Cross Section
36-Kr-84
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
37
36-Kr-84

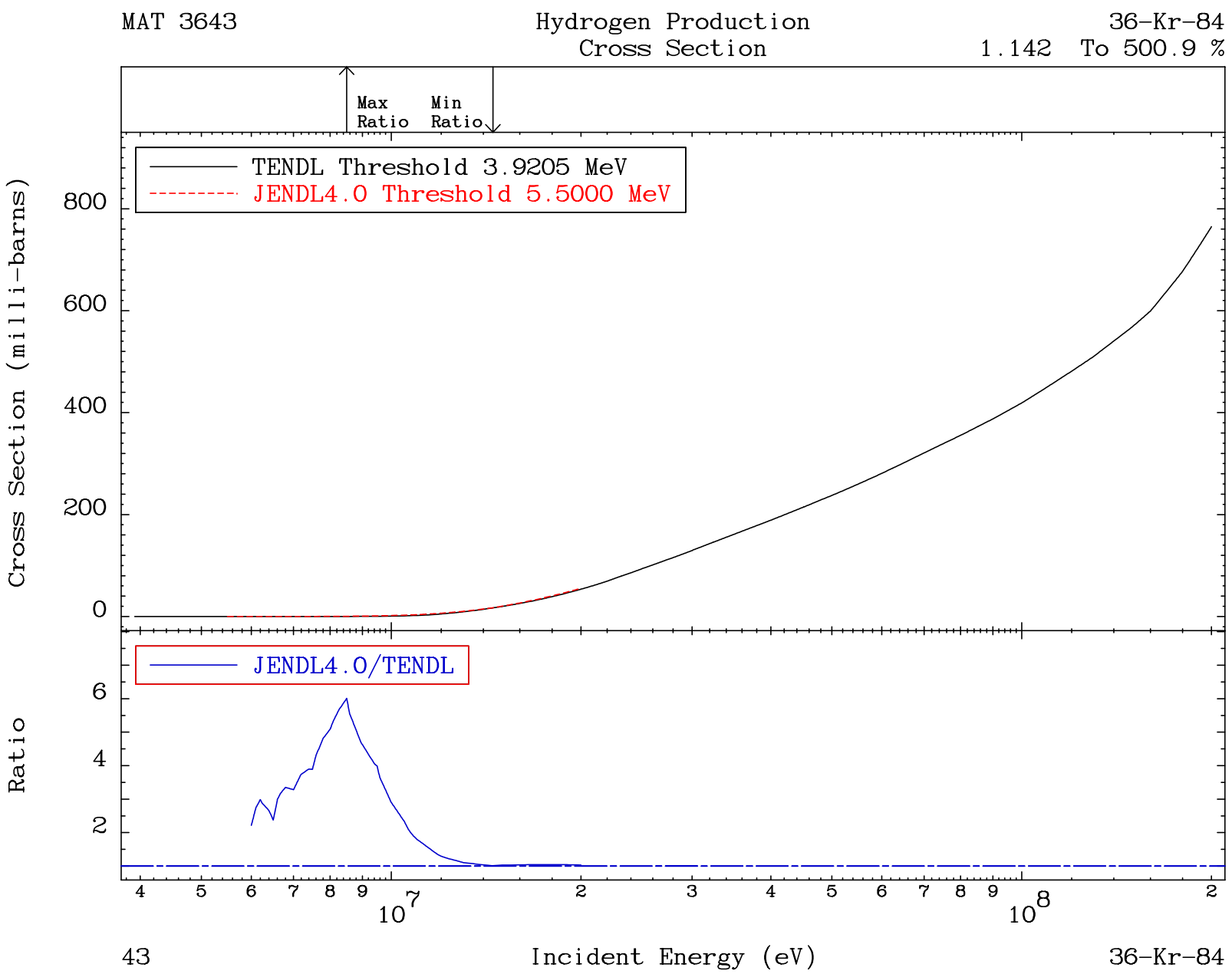

MAT 3643
(n,p)
Cross Section
36-Kr-84
2.010 To 500.9 %
Max Ratio
Min Ratio
TENDL Threshold 3.9205 MeV
JENDL4.0 Threshold 5.5000 MeV
Cross Section (milli-barns)
40
30
20
10
0
JENDL4.0/TENDL
Ratio
6
4
2
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
38
Incident Energy (eV)
36-Kr-84

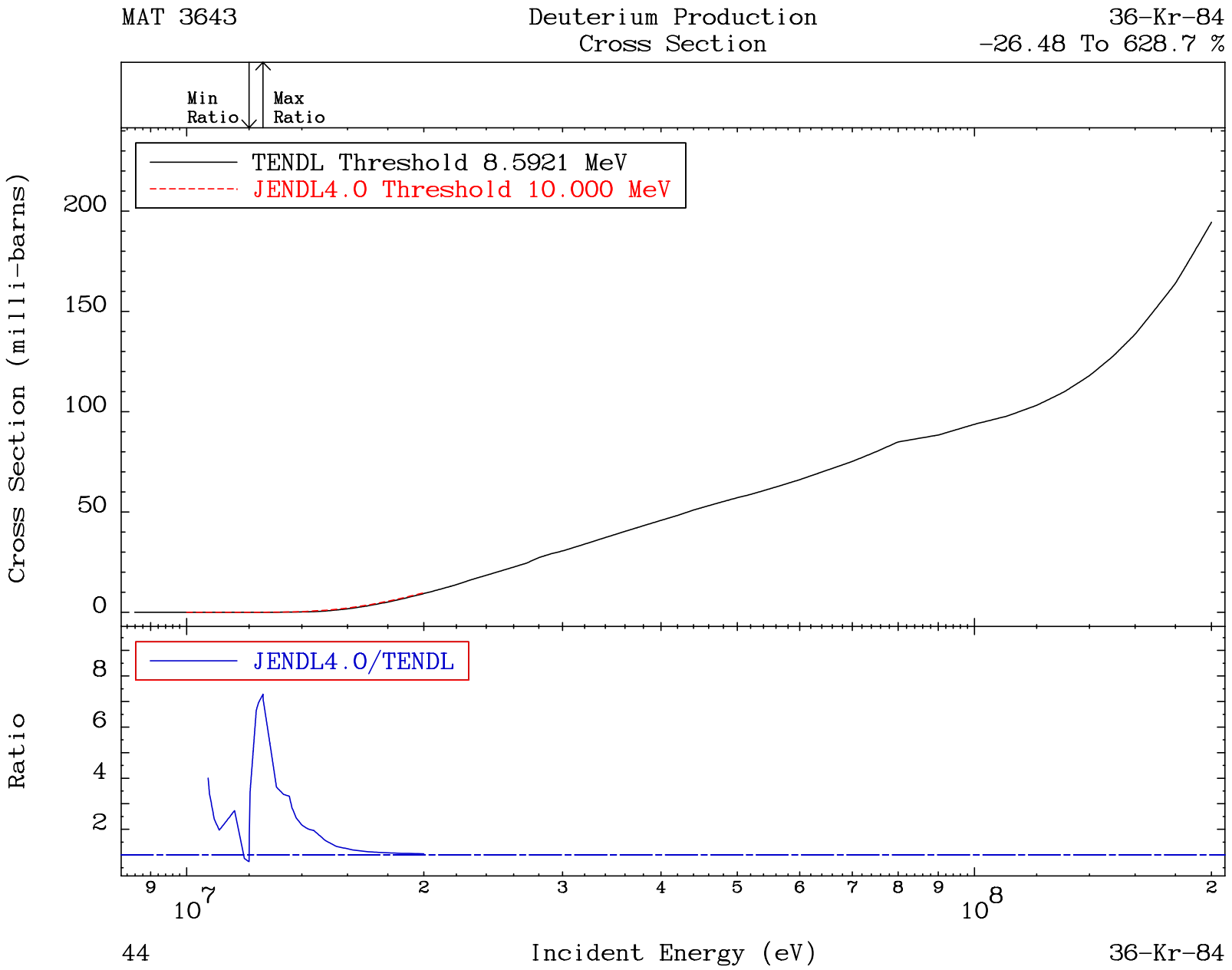

MAT 3643
(n,d)
Cross Section
36-Kr-84
-26.48 To 628.7 %
Min Ratio
Max Ratio
TENDL Threshold 8.5921 MeV
JENDL4.0 Threshold 10.000 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JENDL4.0/TENDL
Ratio
8
6
4
2
9
10^7
2
3
4
5
6
7
8
9
10^8
2
39
Incident Energy (eV)
36-Kr-84

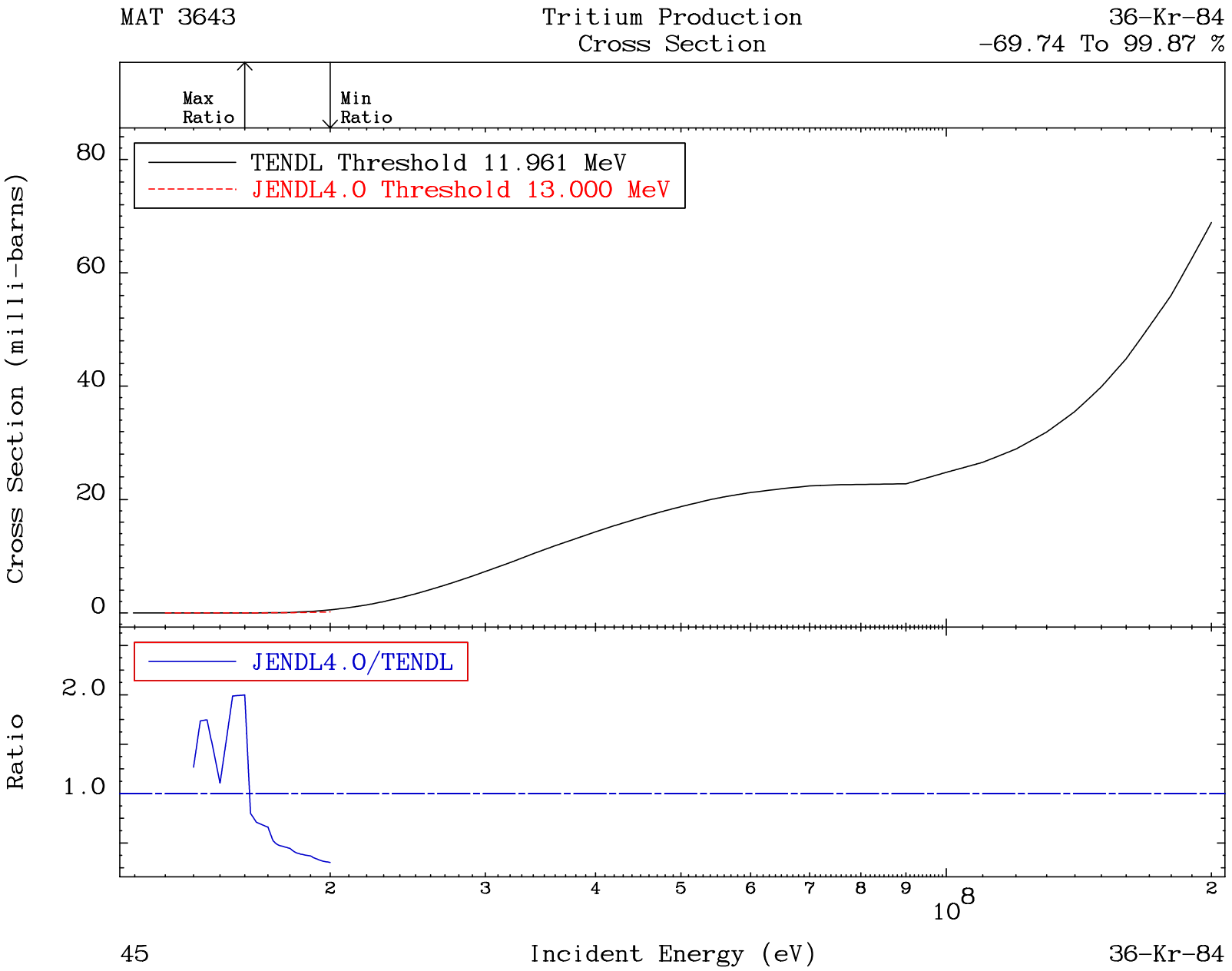

MAT 3643
(n,t)
Cross Section
36-Kr-84
-69.74 To 99.87 %
Max Ratio
Min Ratio
TENDL Threshold 11.961 MeV
JENDL4.0 Threshold 13.000 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
JENDL4.0/TENDL
Ratio
1.0
2.0
2
3
4
5
6
7
8
9
10^8
2
40
Incident Energy (eV)
36-Kr-84

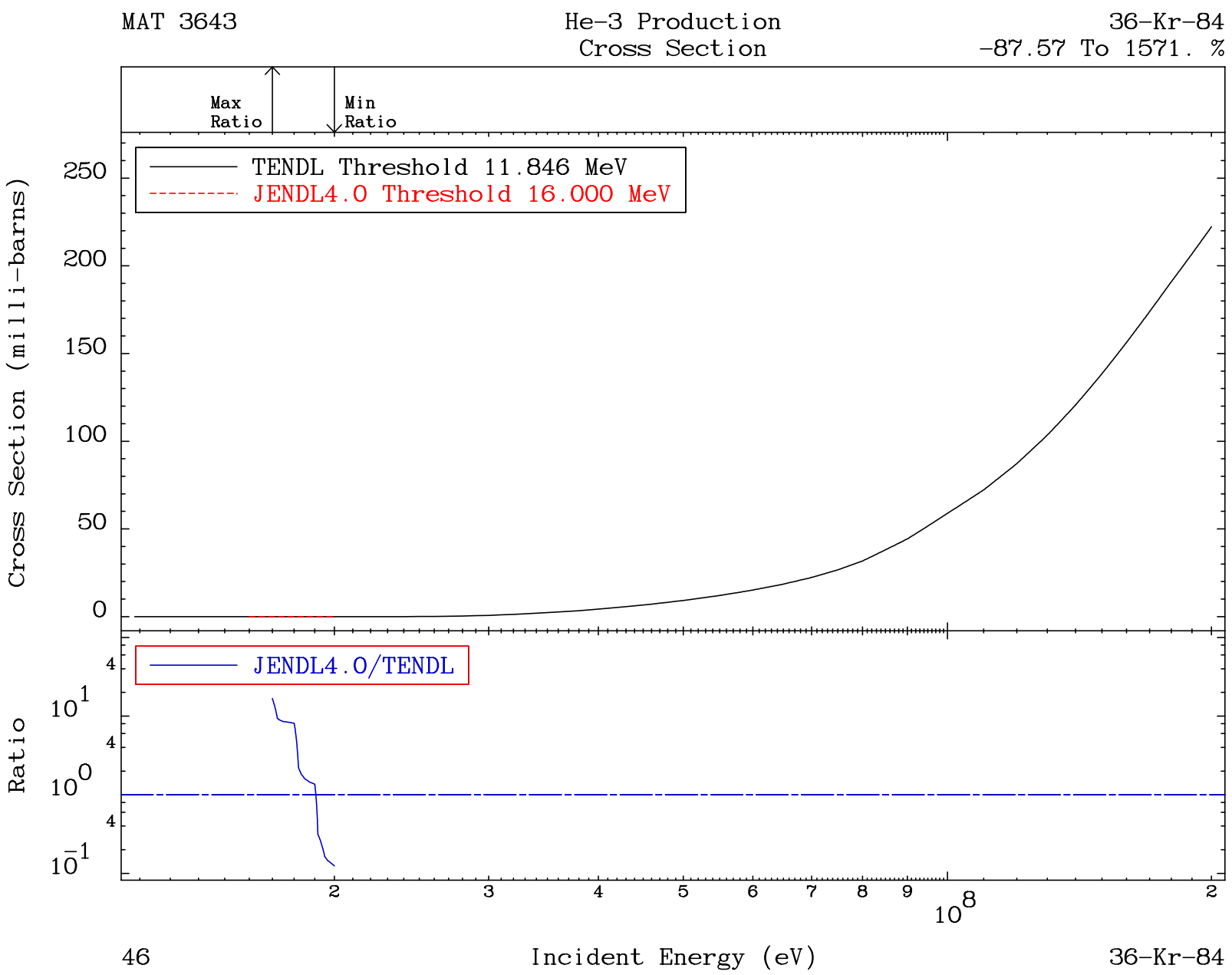

MAT 3643
(n,He-3)
Cross Section
36-Kr-84
-87.57 To 1571. %
Max Ratio
Min Ratio
TENDL Threshold 11.846 MeV
JENDL4.0 Threshold 16.000 MeV
Cross Section (micro-barns)
800
600
400
200
0
JENDL4.0/TENDL
Ratio
10^1
10^0
10^-1
2
3
4
5
6
7
8
9
10^8
2
41
Incident Energy (eV)
36-Kr-84

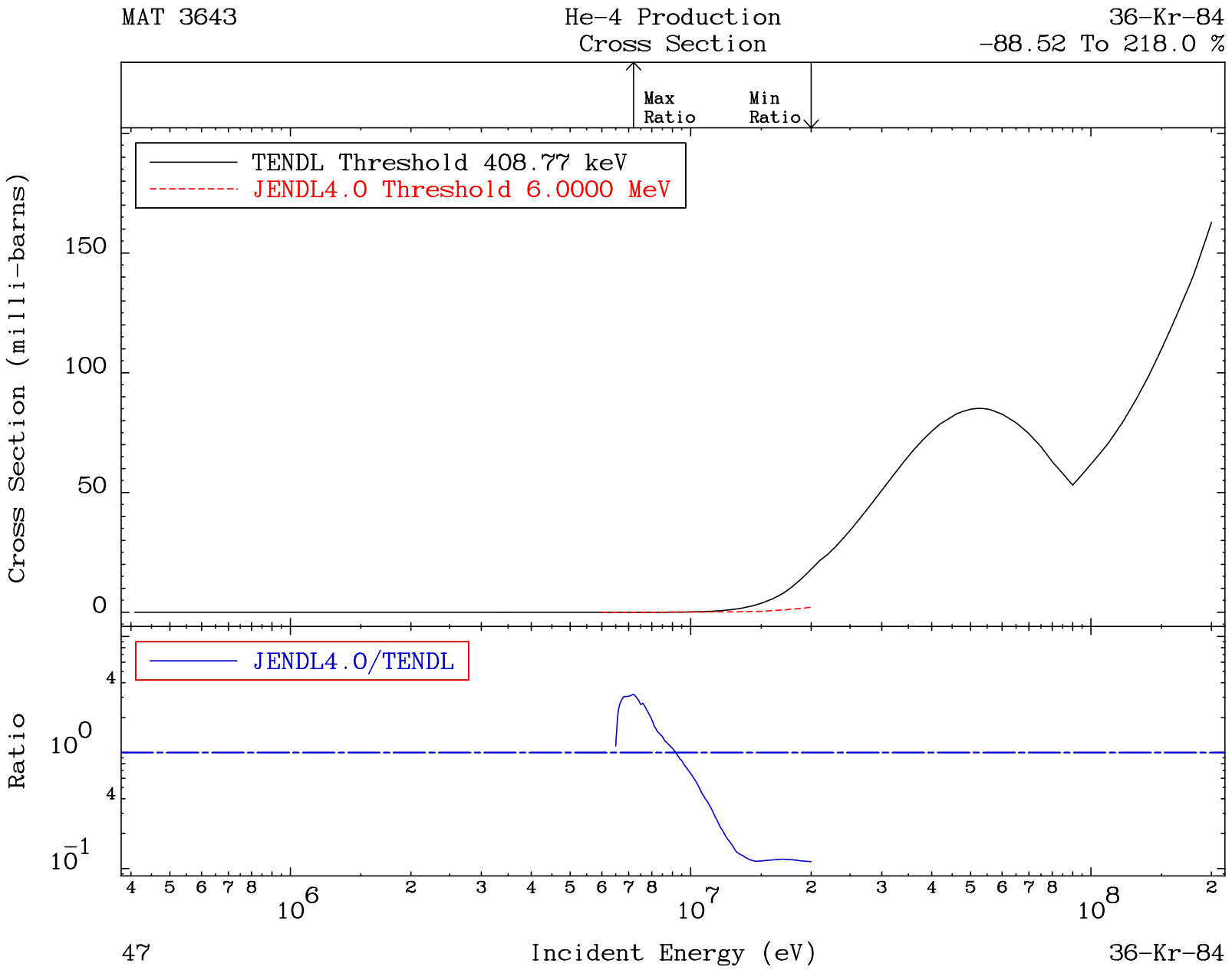

MAT 3643
(n,α)
Cross Section
36-Kr-84
-90.04 To 218.0 %
Max Ratio
Min Ratio
TENDL Threshold 408.77 keV
JENDL4.0 Threshold 6.0000 MeV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
42
36-Kr-84

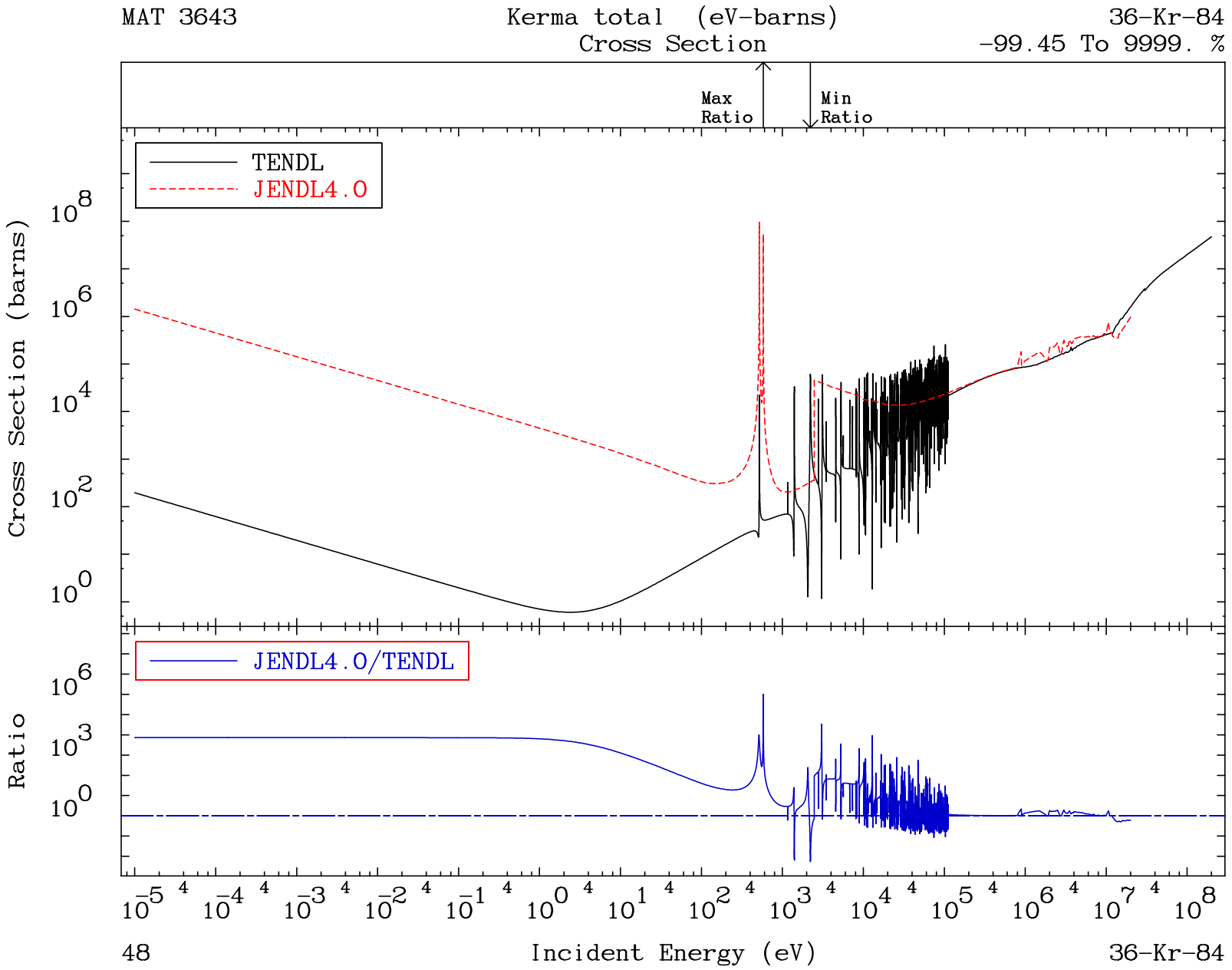

MAT 3643
Hydrogen Production
Cross Section
36-Kr-84
1.142 To 500.9 %
Max Ratio
Min Ratio
TENDL Threshold 3.9205 MeV
JENDL4.0 Threshold 5.5000 MeV
Cross Section (milli-barns)
800
600
400
200
0
JENDL4.0/TENDL
Ratio
6
4
2
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
43
Incident Energy (eV)
36-Kr-84

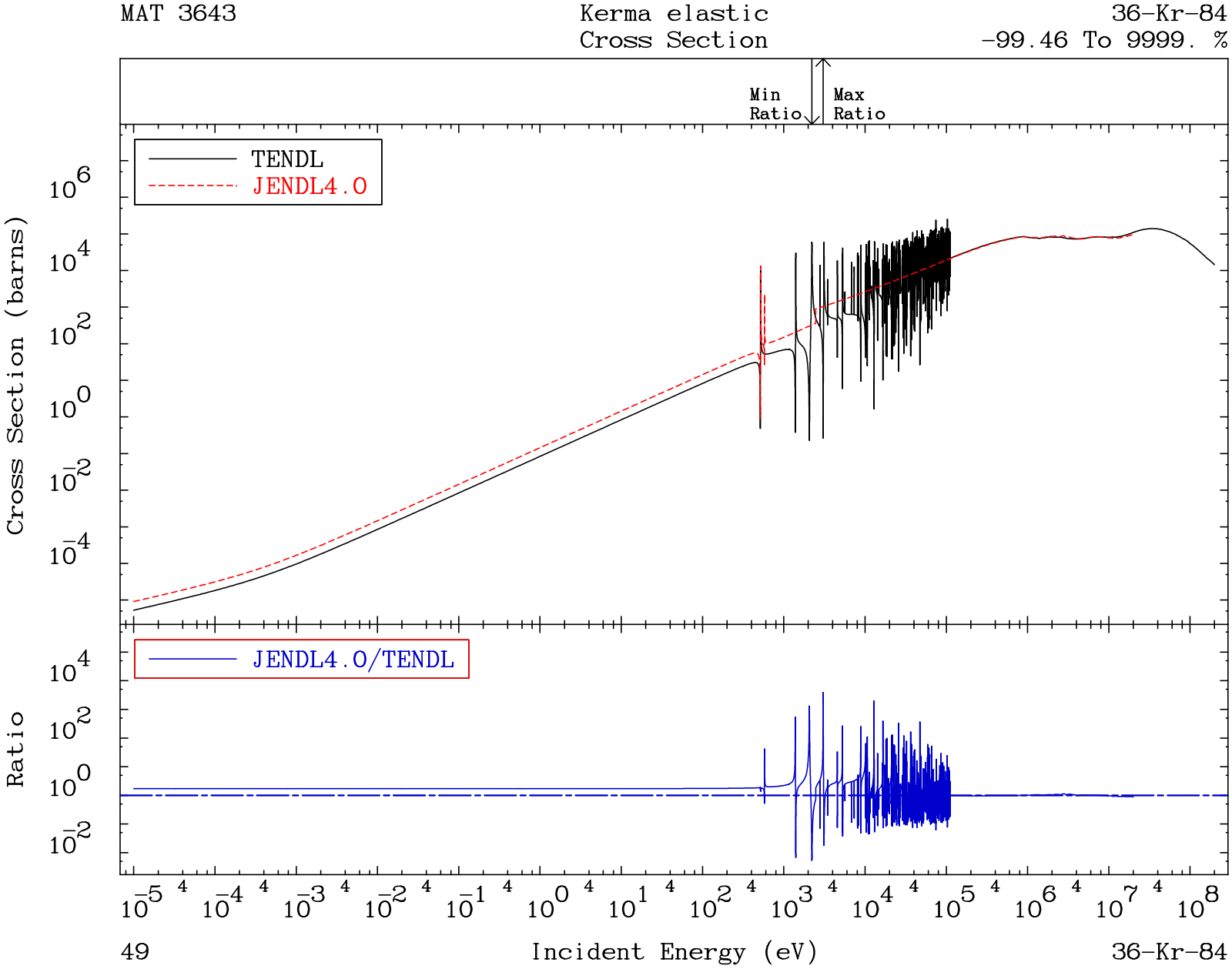

MAT 3643
Deuterium Production
Cross Section
36-Kr-84
-26.48 To 628.7 %
Min Ratio
Max Ratio
TENDL Threshold 8.5921 MeV
JENDL4.0 Threshold 10.000 MeV
Cross Section (milli-barns)
200
150
100
50
0
JENDL4.0/TENDL
Ratio
8
6
4
2
9
10^7
2
3
4
5
6
7
8
9
10^8
2
44
Incident Energy (eV)
36-Kr-84

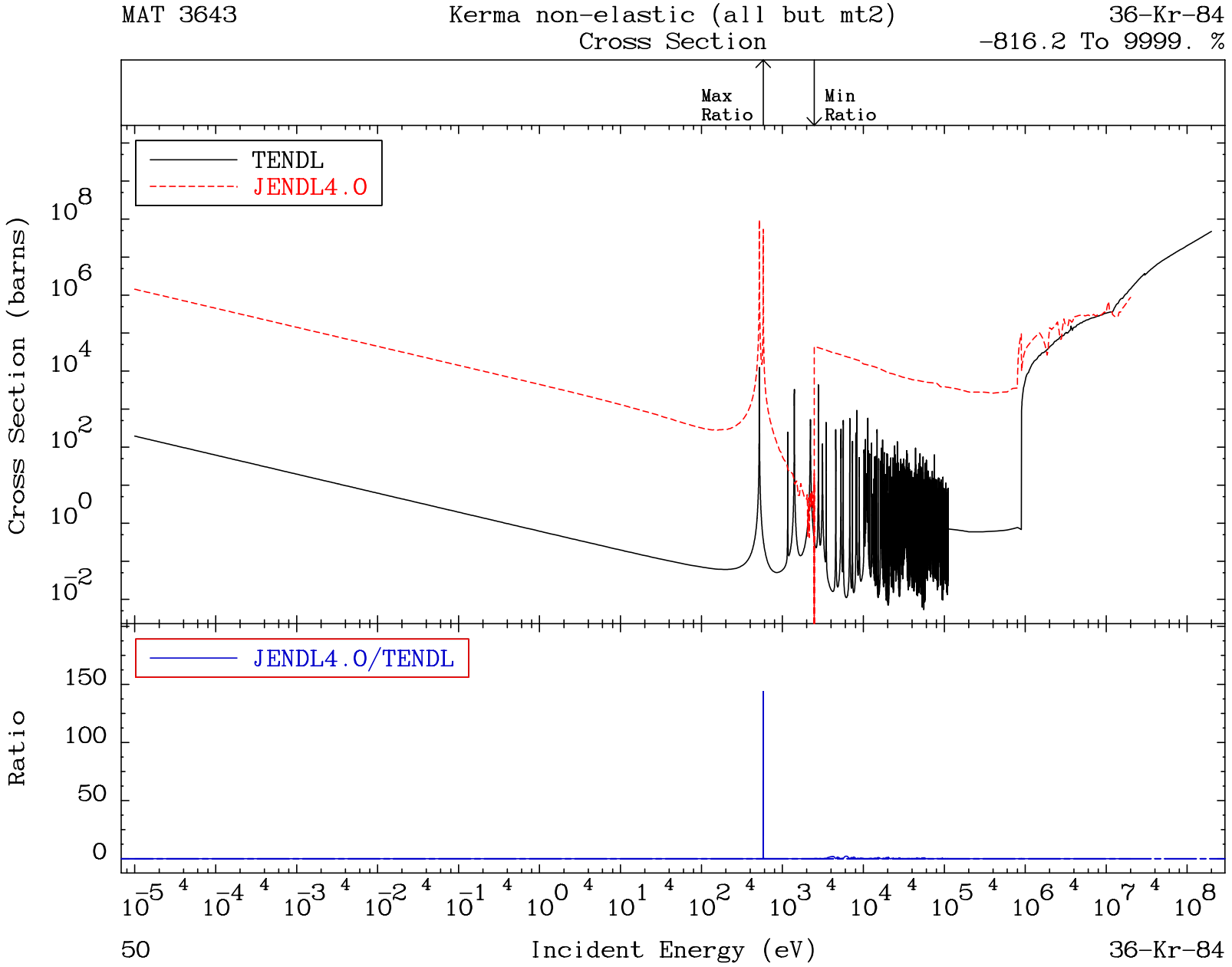

MAT 3643
Tritium Production
Cross Section
36-Kr-84
-69.74 To 99.87 %
Max Ratio
Min Ratio
TENDL Threshold 11.961 MeV
JENDL4.0 Threshold 13.000 MeV
Cross Section (milli-barns)
80
60
40
20
0
JENDL4.0/TENDL
Ratio
2.0
1.0
2
3
4
5
6
7
8
9
10^8
2
45
Incident Energy (eV)
36-Kr-84

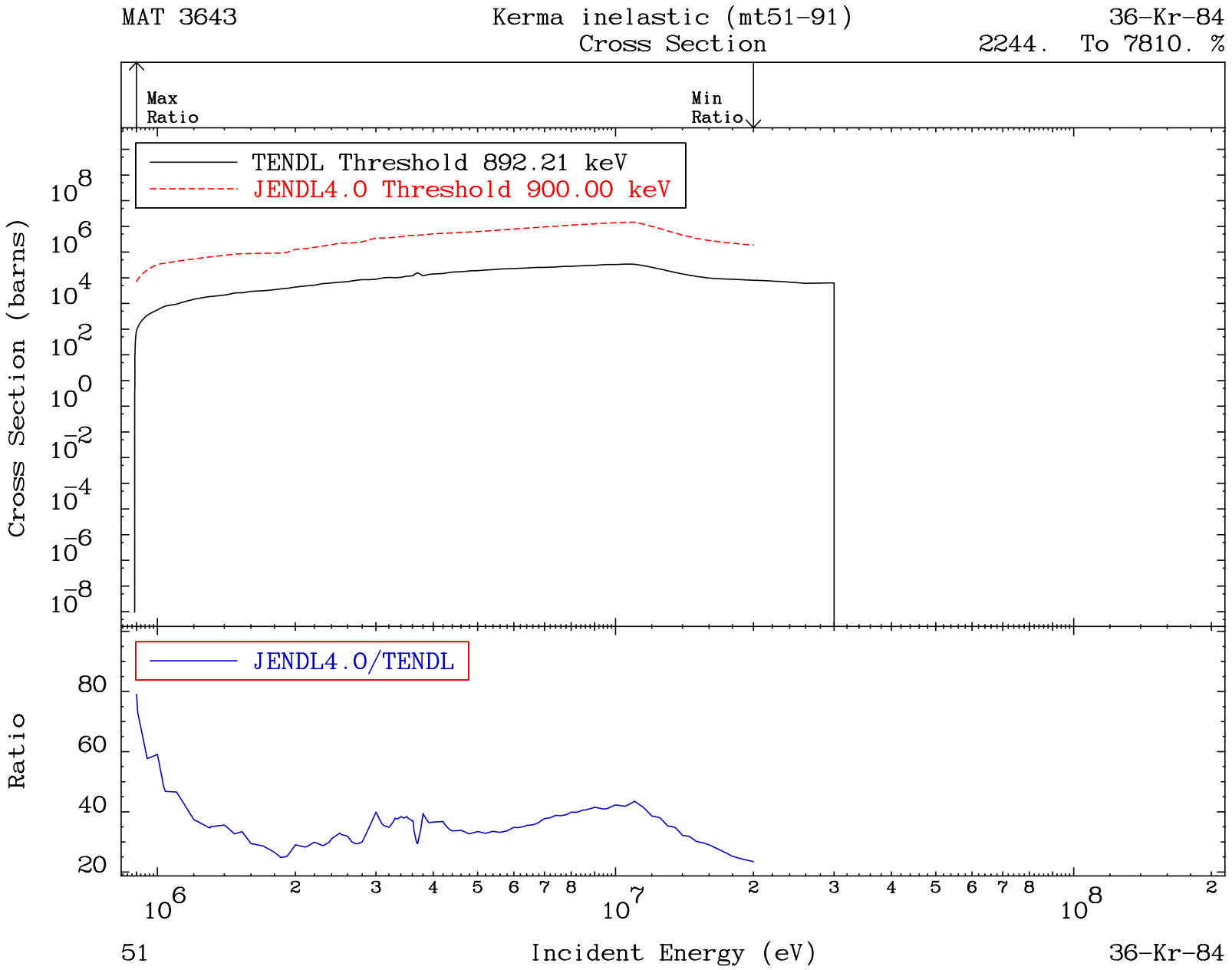

MAT 3643
He-3 Production
Cross Section
36-Kr-84
-87.57 To 1571. %
Max Ratio
Min Ratio
TENDL Threshold 11.846 MeV
JENDL4.0 Threshold 16.000 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^{1}
10^{0}
10^{-1}
2
3
4
5
6
7
8
9
10^{8}
2
46
Incident Energy (eV)
36-Kr-84

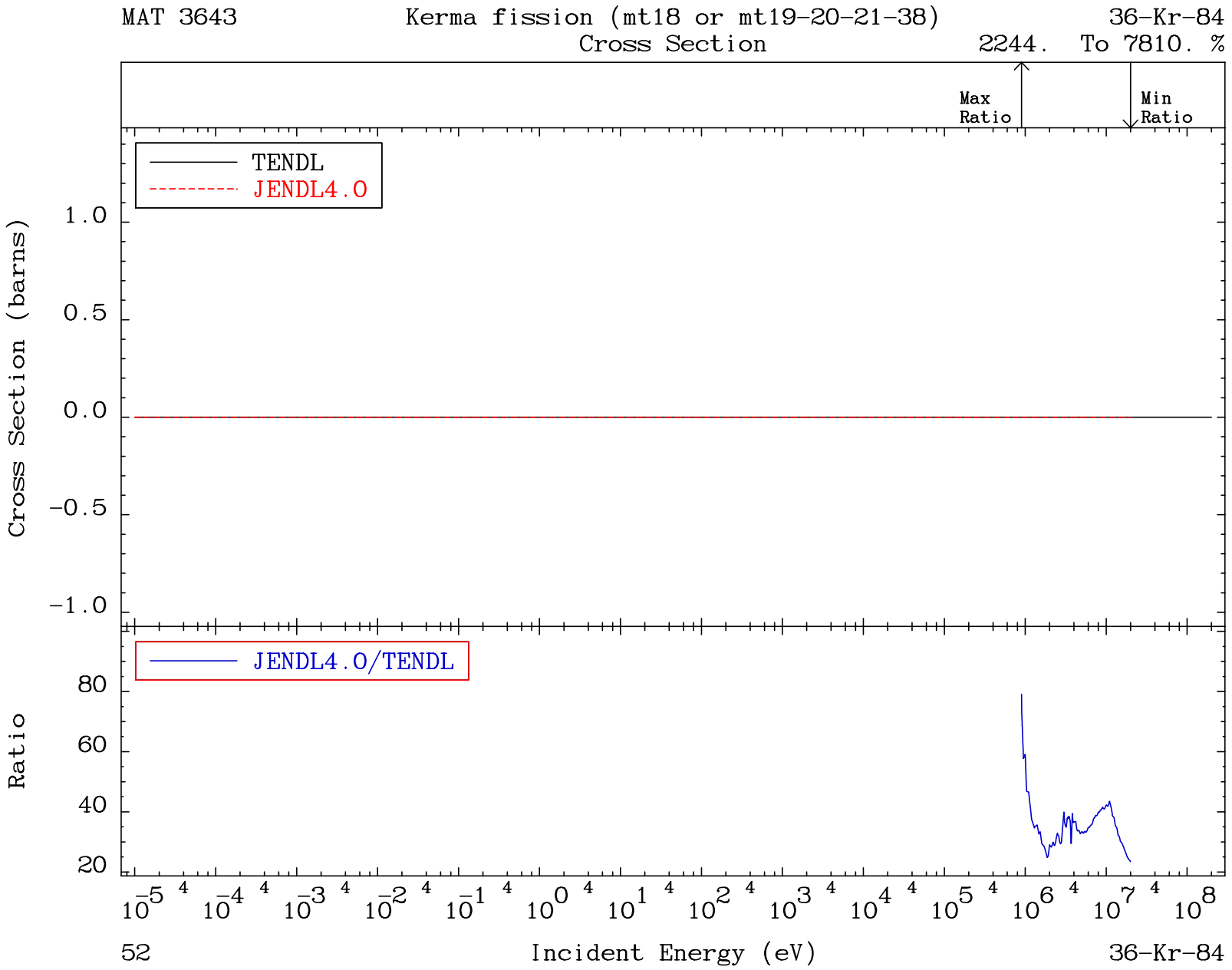

MAT 3643
He-4 Production
Cross Section
36-Kr-84
-88.52 To 218.0 %
Max Ratio
Min Ratio
TENDL Threshold 408.77 keV
JENDL4.0 Threshold 6.0000 MeV
Cross Section (milli-barns)
150
100
50
0
JENDL4.0/TENDL
Ratio
4
10^{0}
4
10^{-1}
4 5 6 7 8
10^{6}
2 3 4 5 6 7 8
10^{7}
2 3 4 5 6 7 8
10^{8}
2
47
Incident Energy (eV)
36-Kr-84

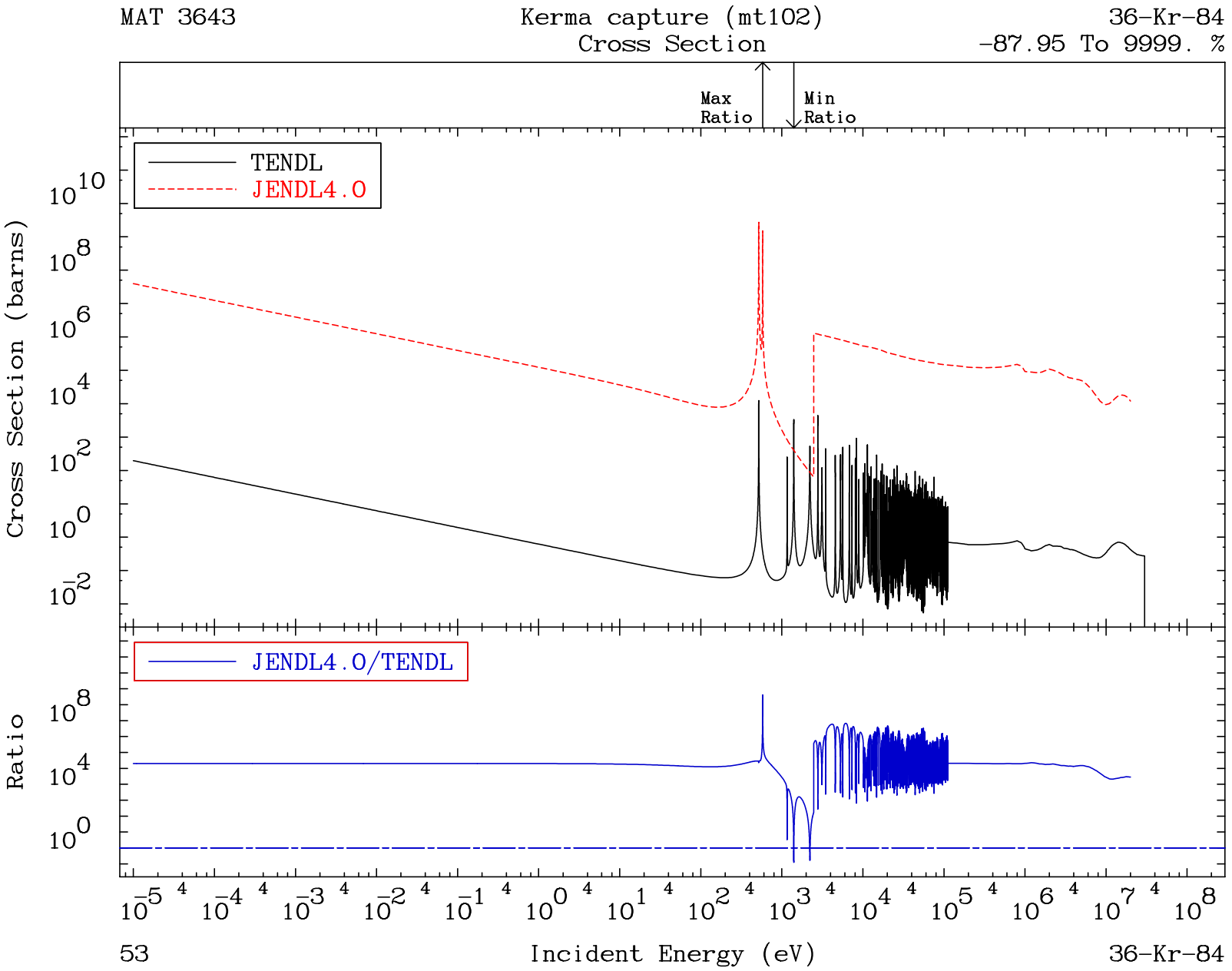

MAT 3643
Kerma total (eV-barns)
Cross Section
36-Kr-84
-99.45 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
Ratio
JENDL4.0/TENDL
Incident Energy (eV)
48
36-Kr-84

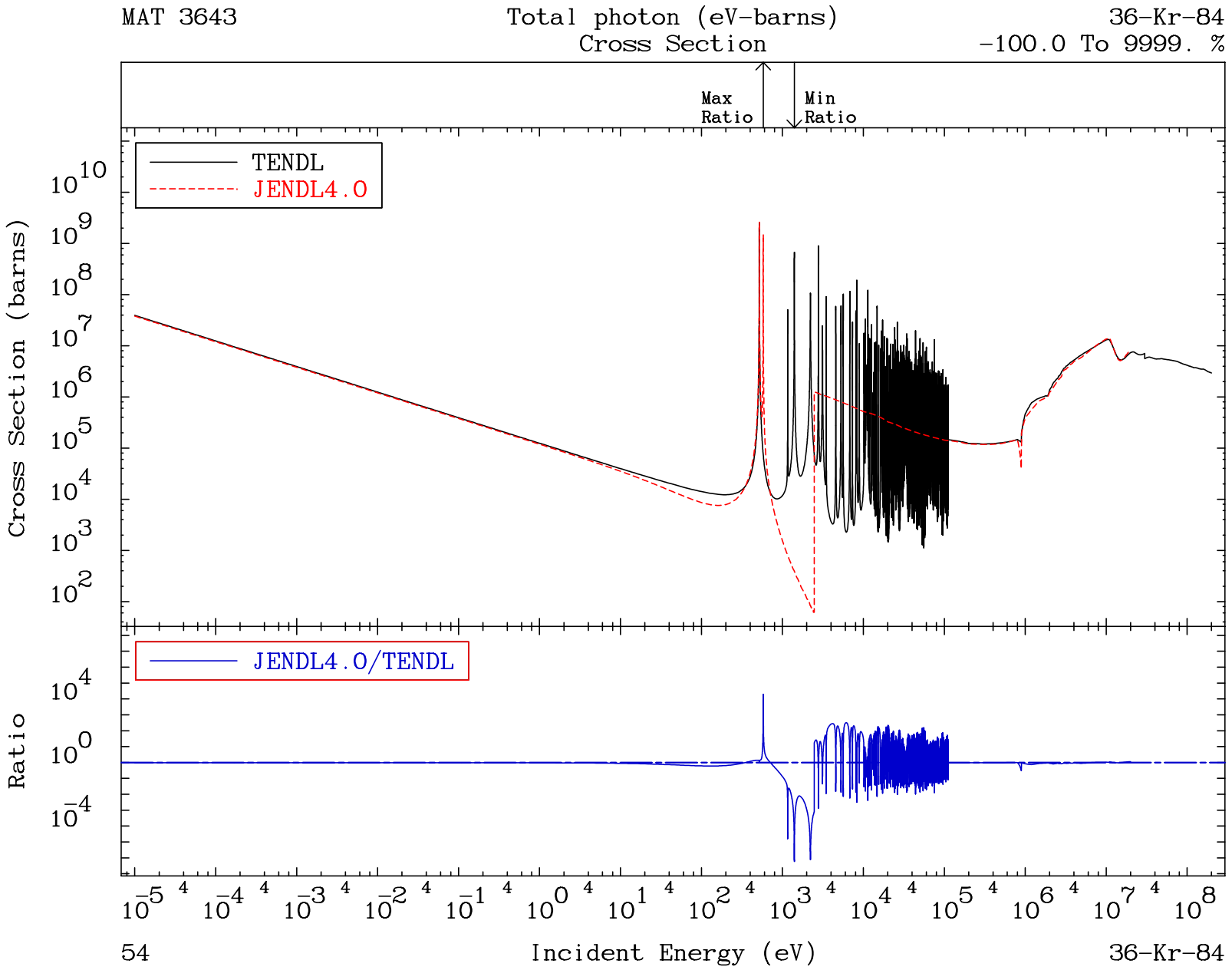

MAT 3643
Kerma elastic
Cross Section
36-Kr-84
-99.46 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
49
36-Kr-84

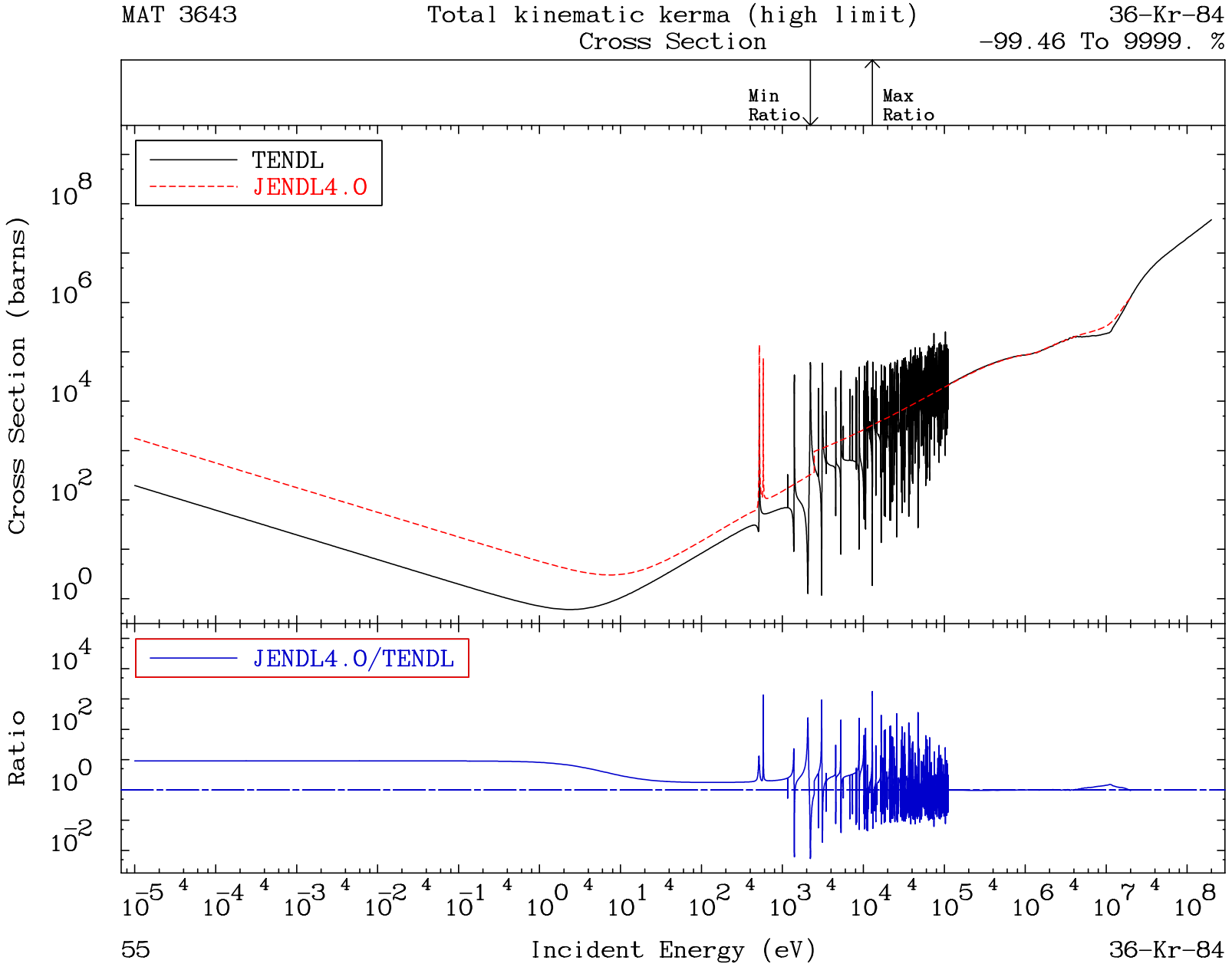

MAT 3643
Kerma non-elastic (all but mt2)
Cross Section
36-Kr-84
-816.2 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
50
36-Kr-84

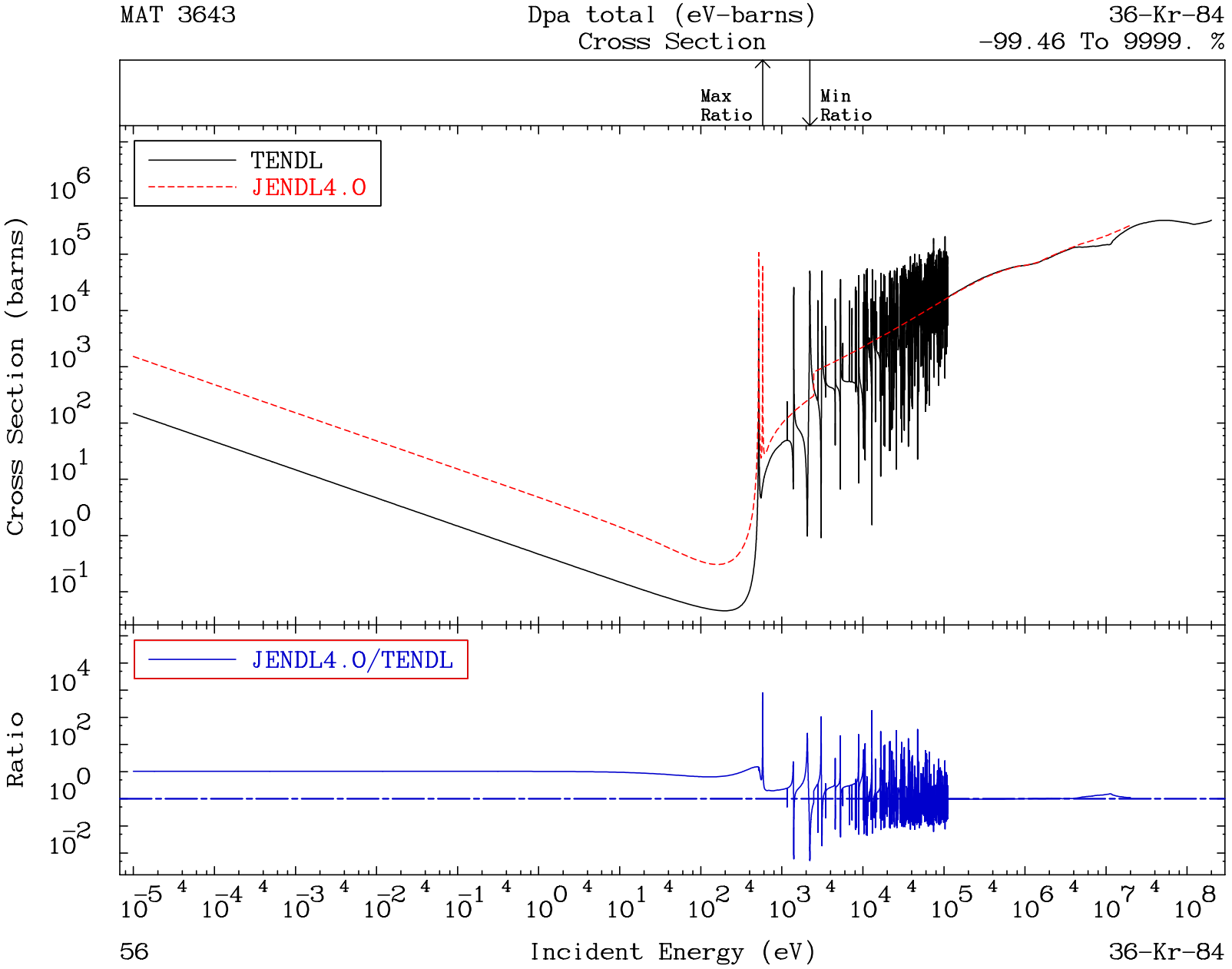

MAT 3643
Kerma inelastic (mt51-91)
Cross Section
36-Kr-84
2244. To 7810. %
Max Ratio
Min Ratio
TENDL Threshold 892.21 keV
JENDL4.0 Threshold 900.00 keV
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
51
36-Kr-84

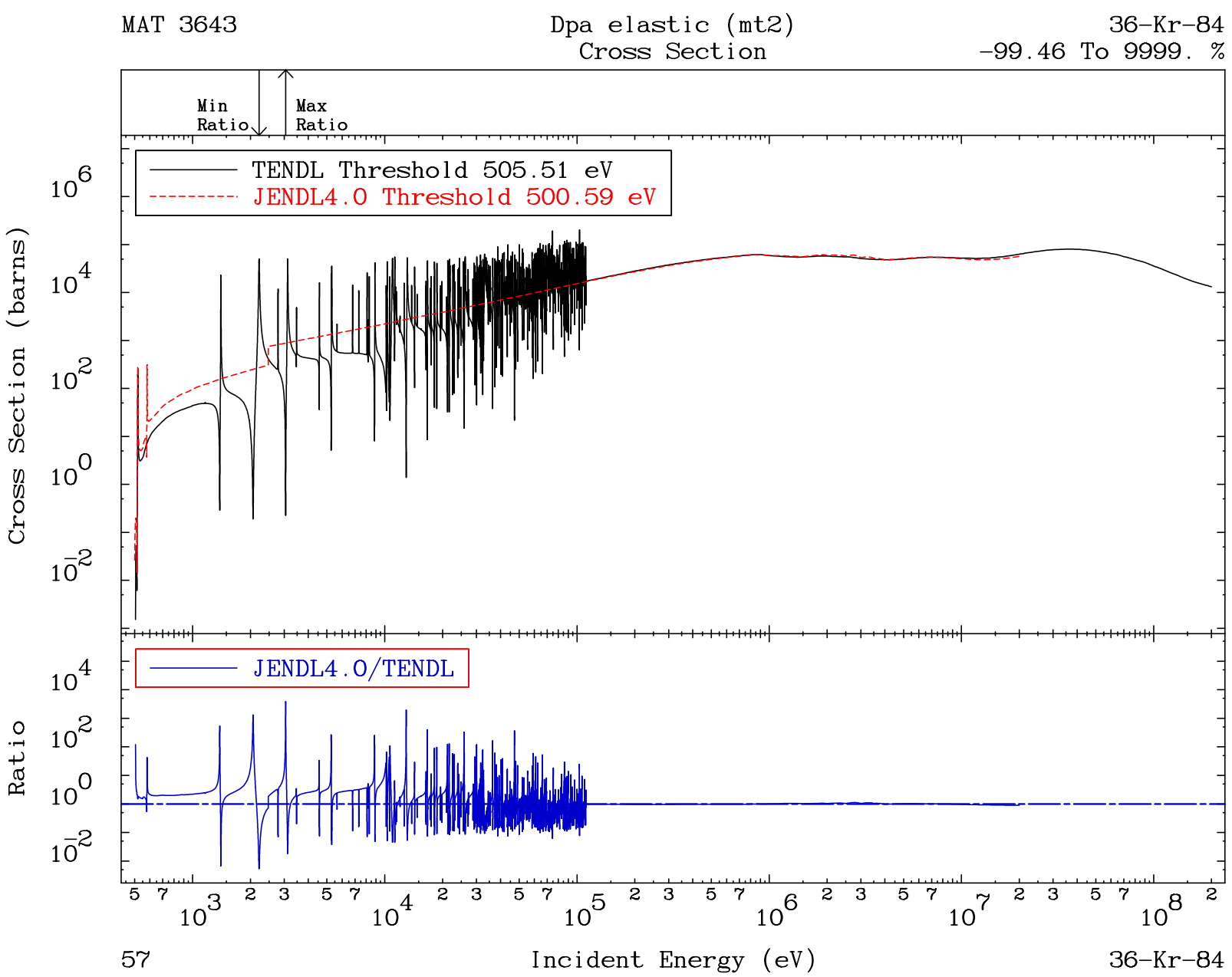

MAT 3643
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
36-Kr-84
2244. To 7810. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
JENDL4.0/TENDL
Ratio
80
60
40
20
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
52
Incident Energy (eV)
36-Kr-84

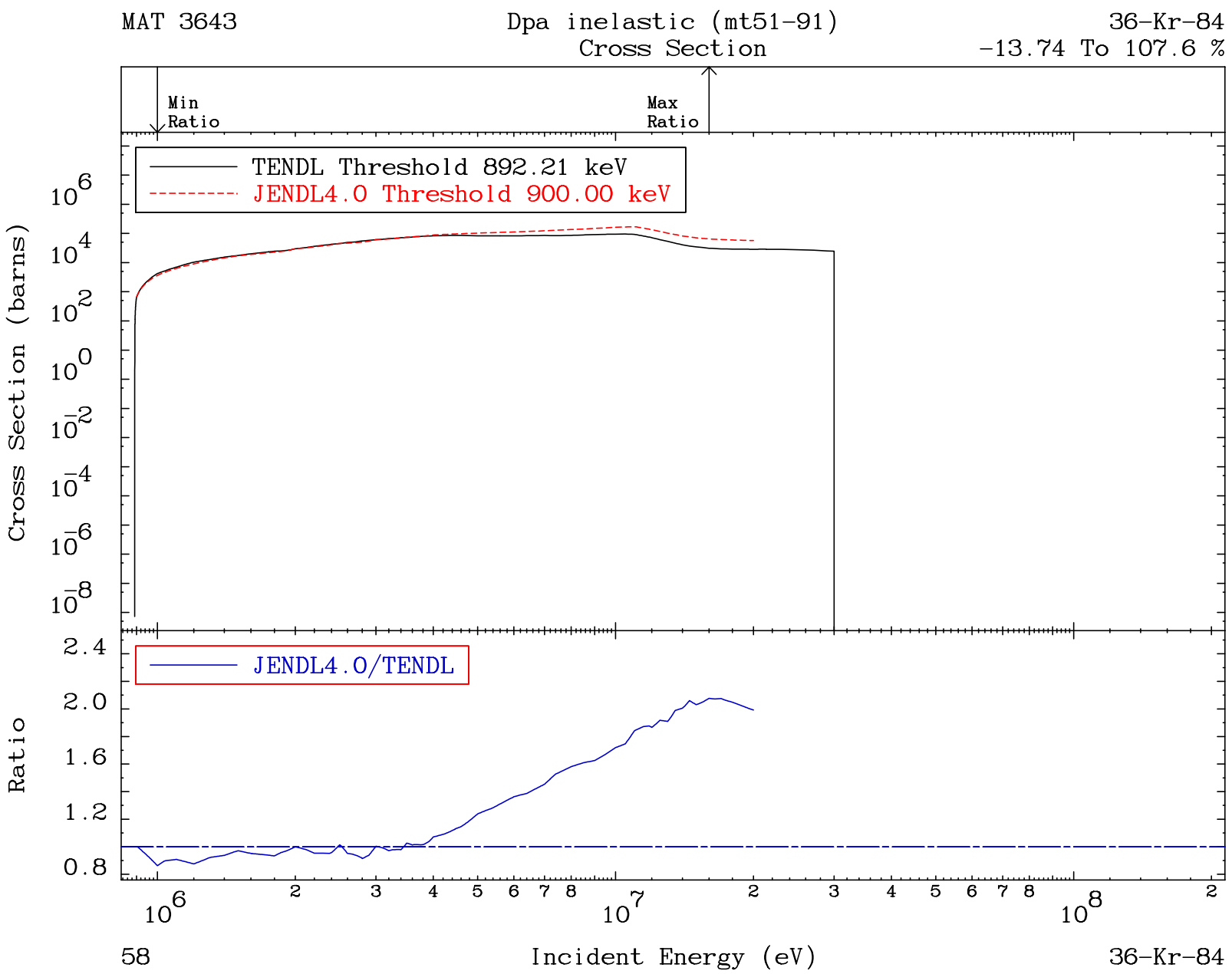

MAT 3643
Kerma capture (mt102)
Cross Section
36-Kr-84
-87.95 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
53
36-Kr-84

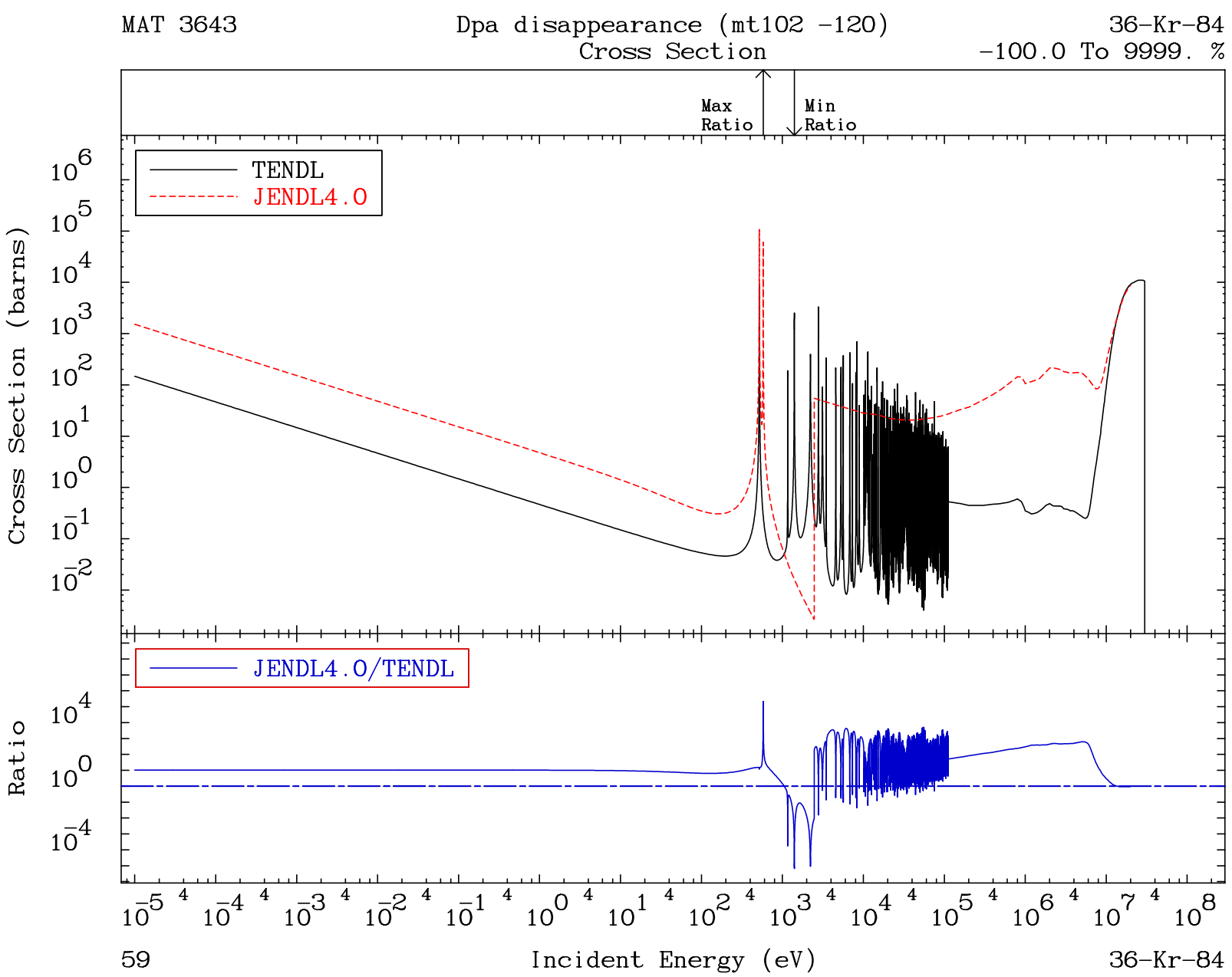

MAT 3643
Total photon (eV-barns)
Cross Section
36-Kr-84
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
54
36-Kr-84

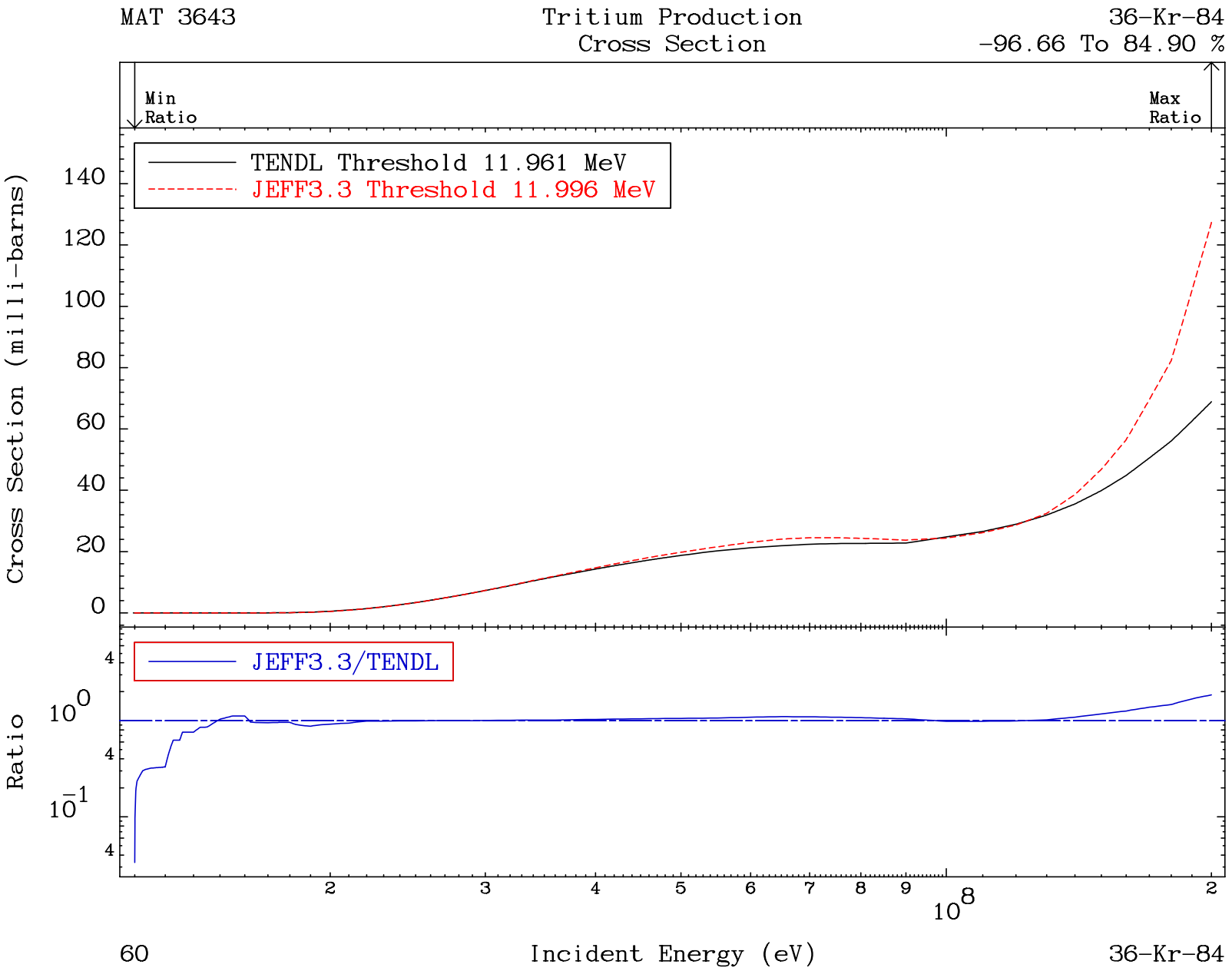

MAT 3643
Total kinematic kerma (high limit)
Cross Section
36-Kr-84
-99.46 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
55
36-Kr-84

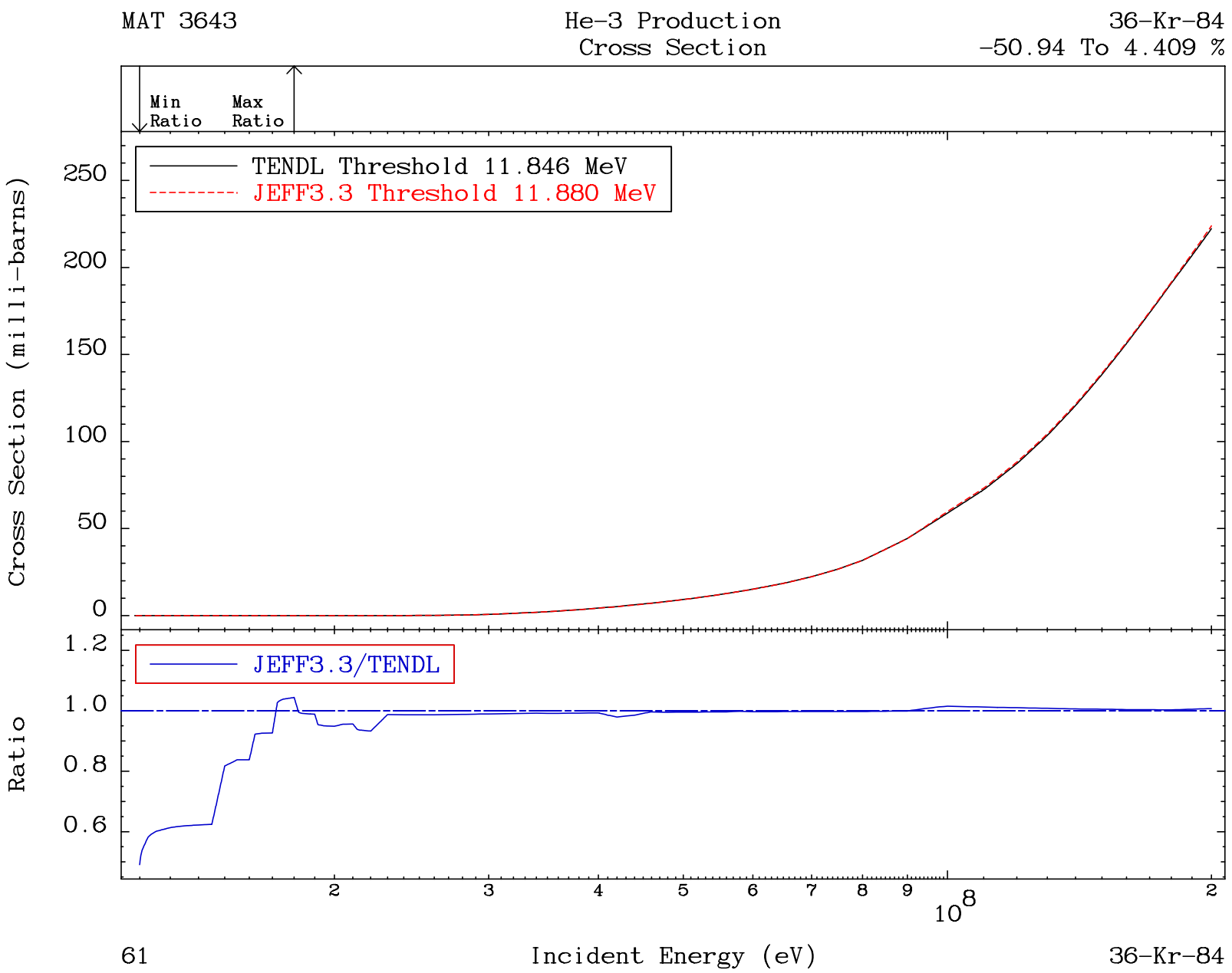

MAT 3643
Dpa total (eV-barns)
Cross Section
36-Kr-84
-99.46 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
56
36-Kr-84

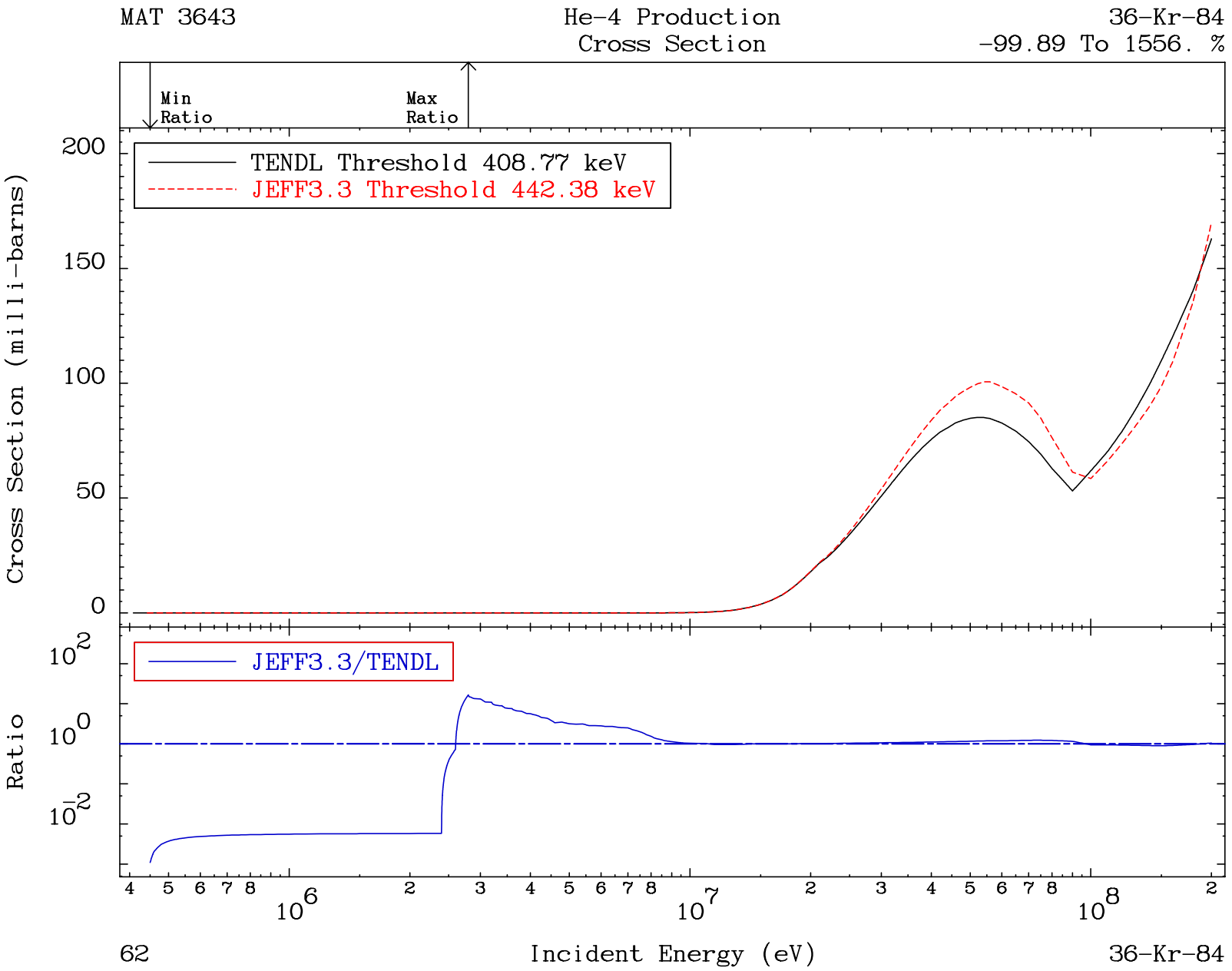

MAT 3643
Dpa elastic (mt2)
Cross Section
36-Kr-84
-99.46 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 505.51 eV
JENDL4.0 Threshold 500.59 eV
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
57
36-Kr-84

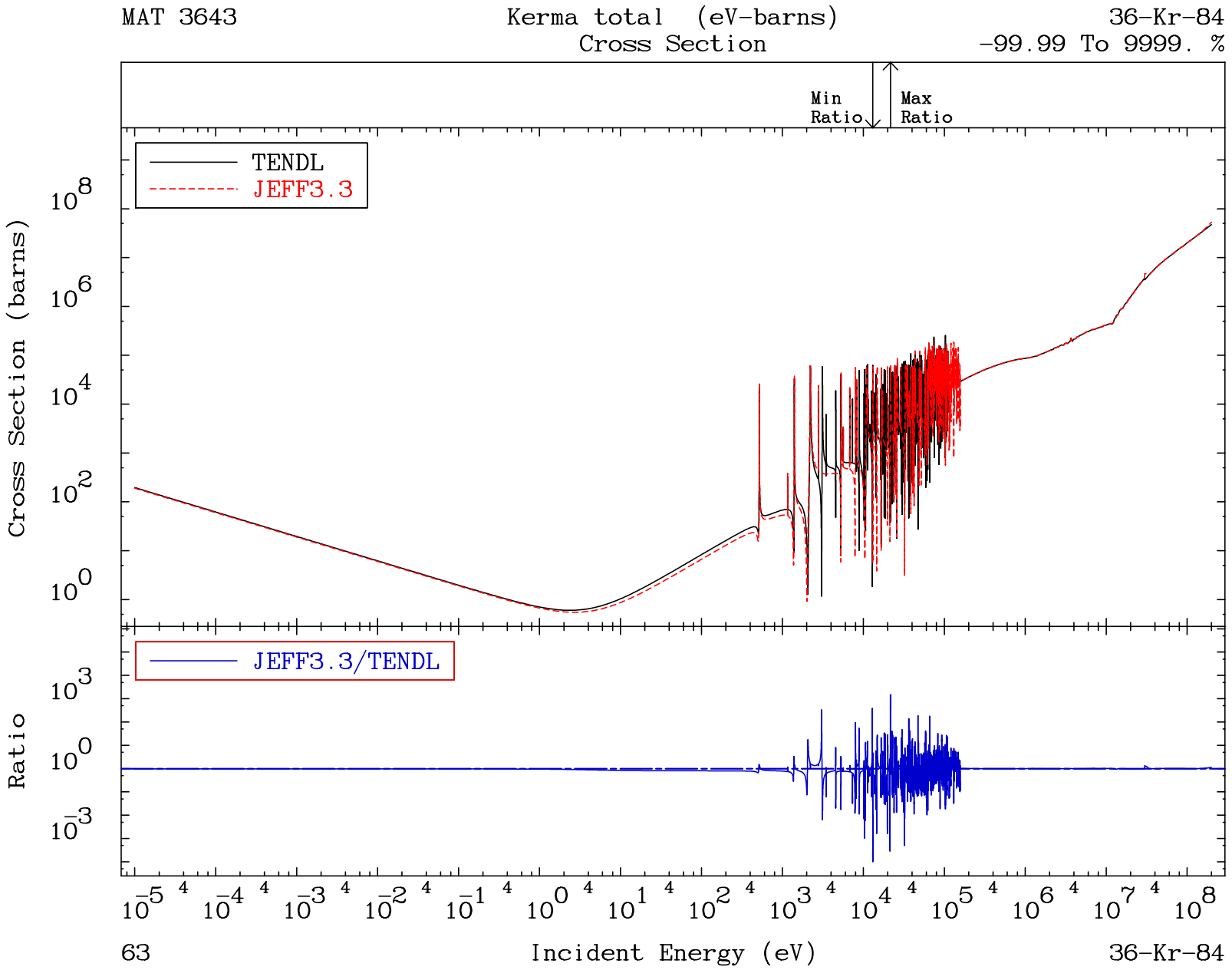

MAT 3643
Dpa inelastic (mt51-91)
Cross Section
36-Kr-84
-13.74 To 107.6 %
Min Ratio
Max Ratio
TENDL Threshold 892.21 keV
JENDL4.0 Threshold 900.00 keV
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
58
36-Kr-84

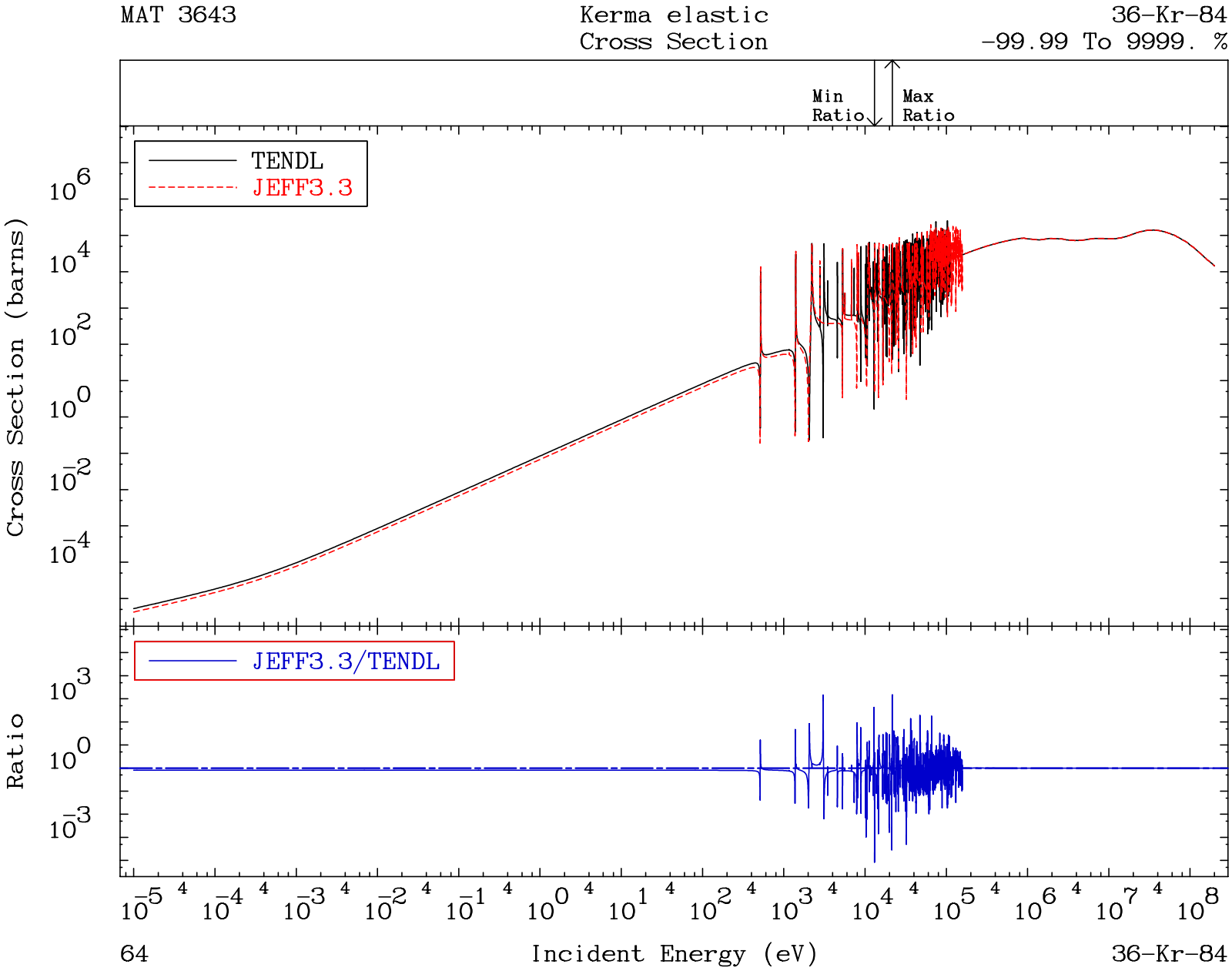

MAT 3643
Dpa disappearance (mt102 -120)
Cross Section
36-Kr-84
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
59
36-Kr-84

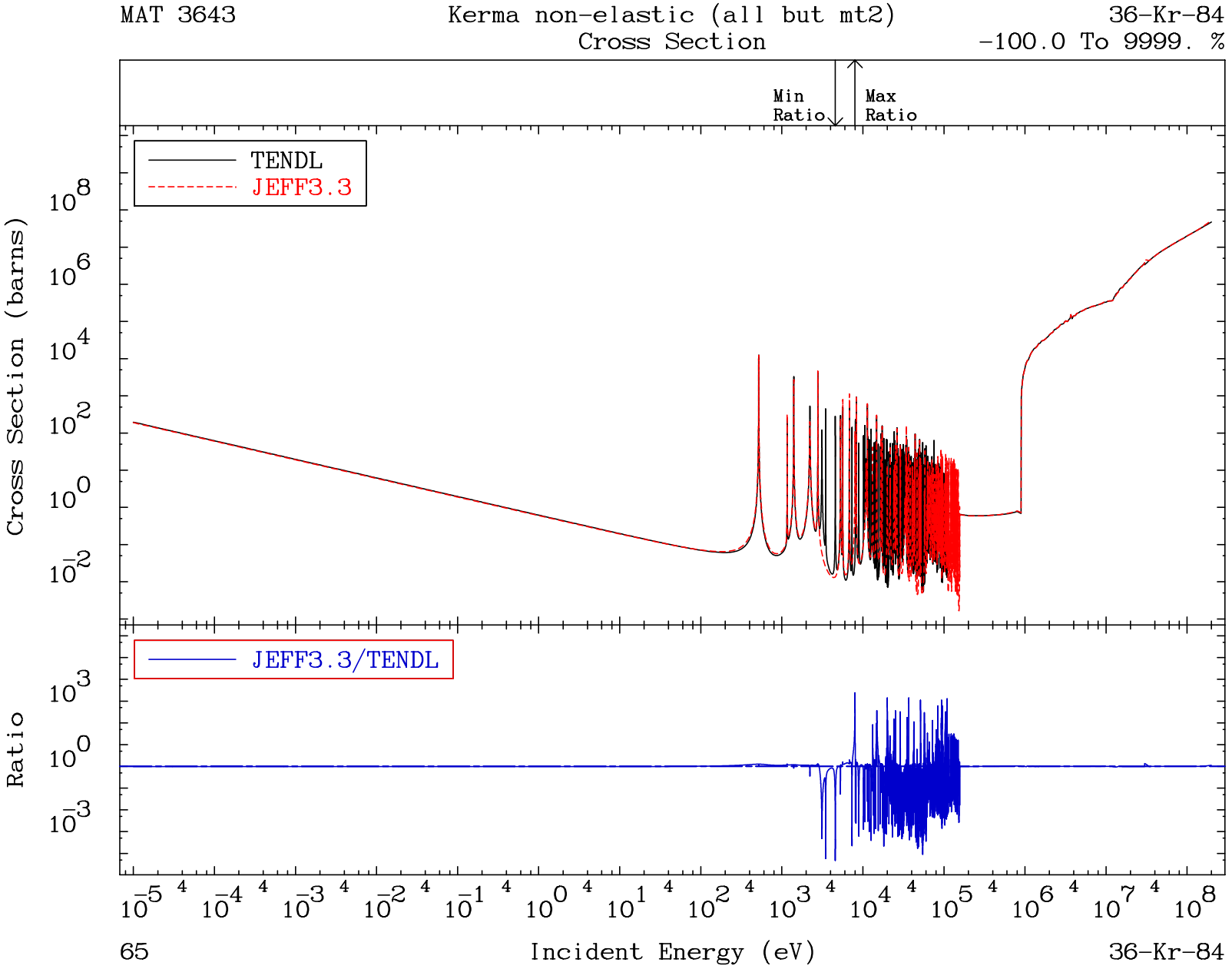

MAT 3643
Tritium Production
Cross Section
36-Kr-84
-96.66 To 84.90 %
Min
Ratio
Max
Ratio
TENDL Threshold 11.961 MeV
JEFF3.3 Threshold 11.996 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^0
10^-1
2
3
4
5
6
7
8
9
10^8
2
60
Incident Energy (eV)
36-Kr-84

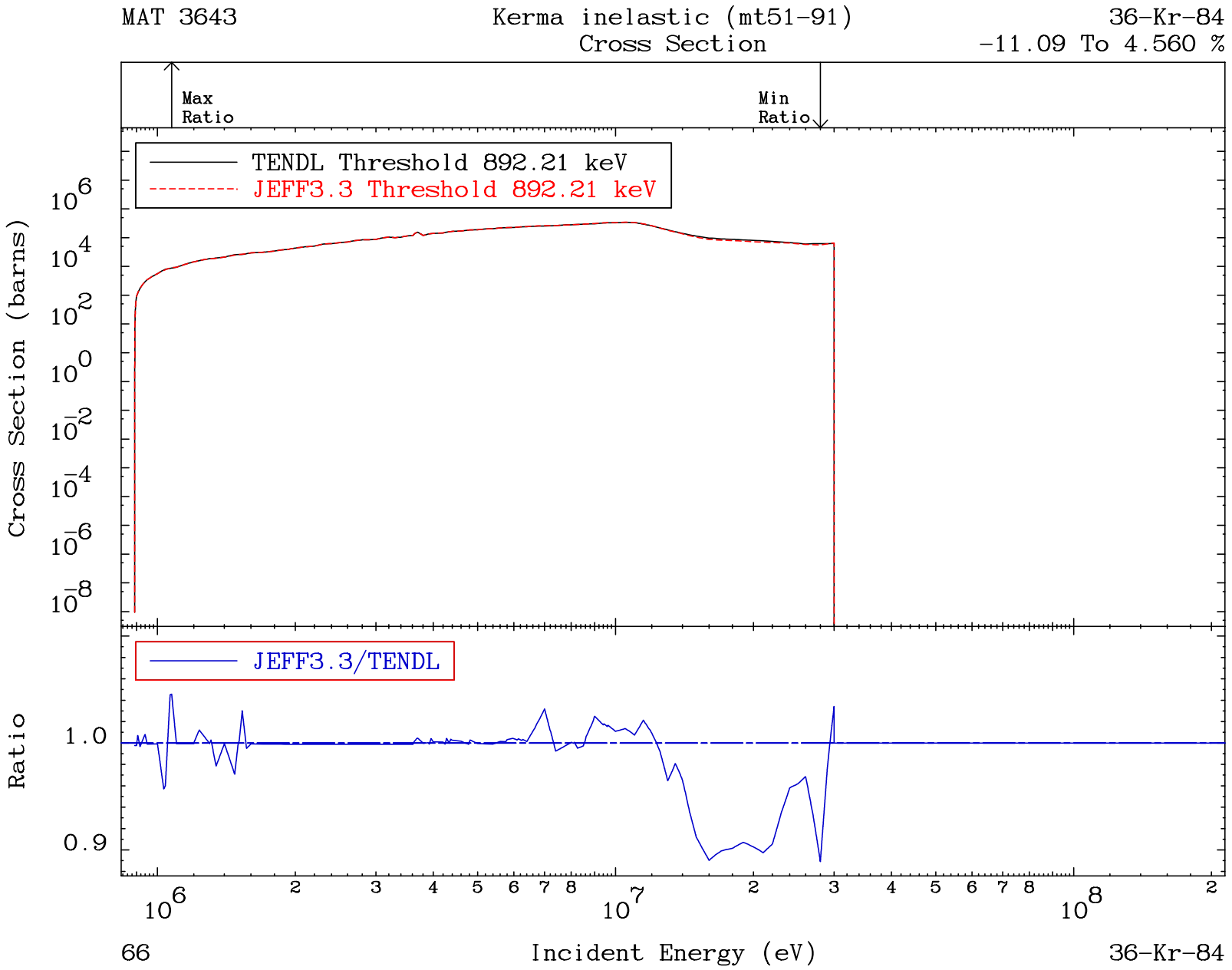

MAT 3643
He-3 Production
Cross Section
36-Kr-84
-50.94 To 4.409 %
Min Ratio
Max Ratio
TENDL Threshold 11.846 MeV
JEFF3.3 Threshold 11.880 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.2
1.0
0.8
0.6
2
3
4
5
6
7
8
9
10^8
2
61
Incident Energy (eV)
36-Kr-84

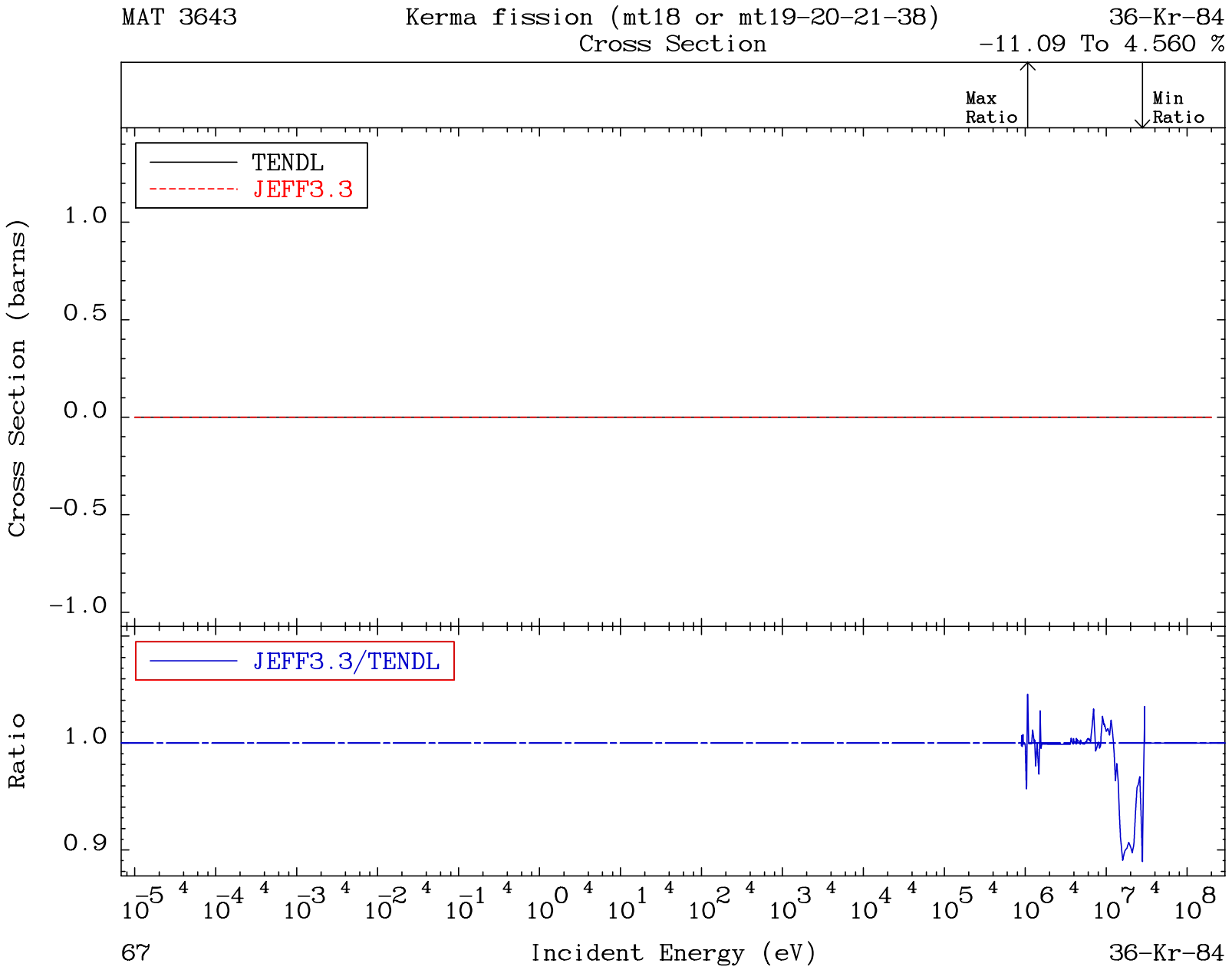

MAT 3643
He-4 Production
Cross Section
36-Kr-84
-99.89 To 1556. %
Min Ratio
Max Ratio
TENDL Threshold 408.77 keV
JEFF3.3 Threshold 442.38 keV
Cross Section (milli-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
10^2
10^0
10^-2
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
62
Incident Energy (eV)
36-Kr-84

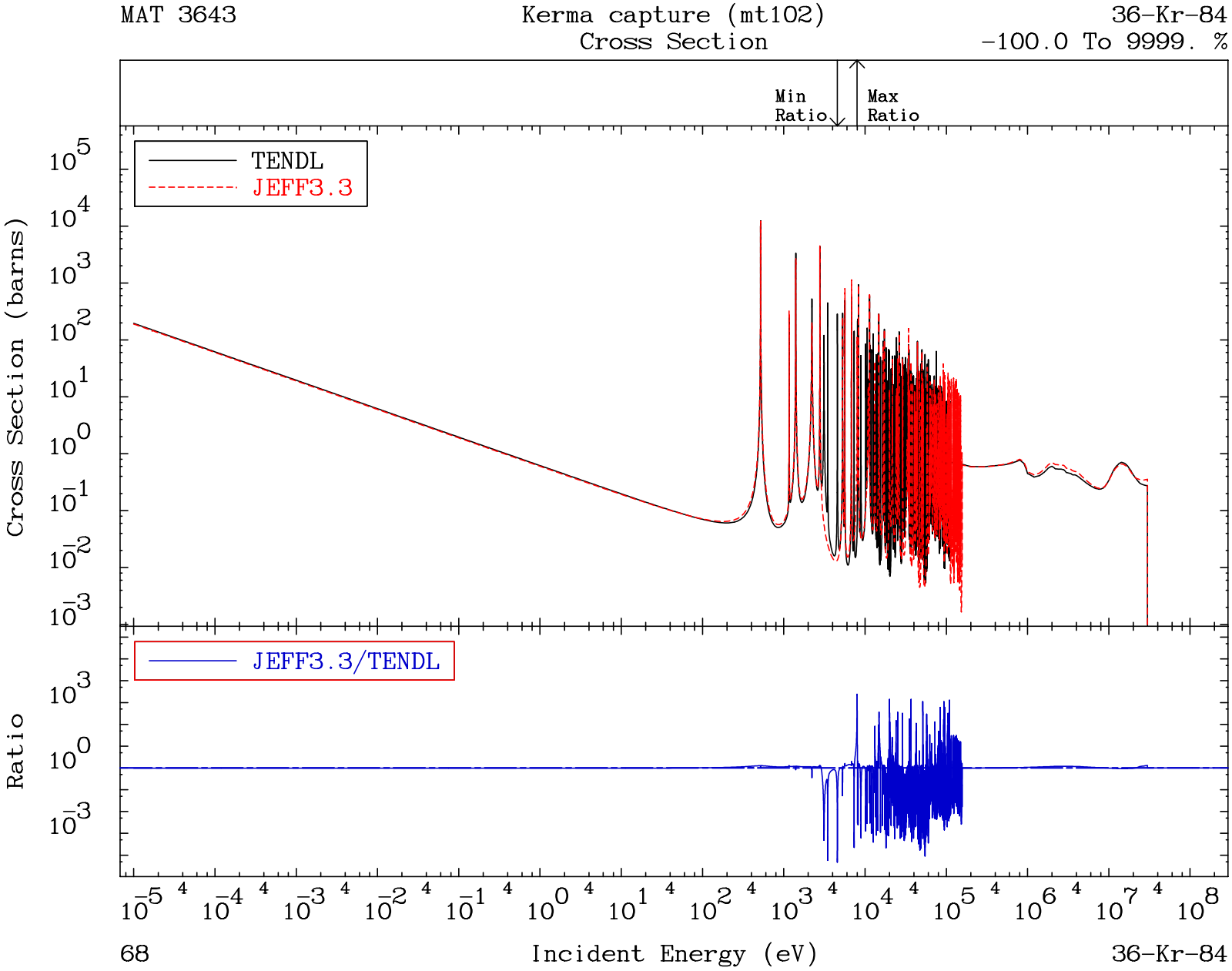

MAT 3643
Kerma total (eV-barns)
Cross Section
36-Kr-84
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
63
36-Kr-84

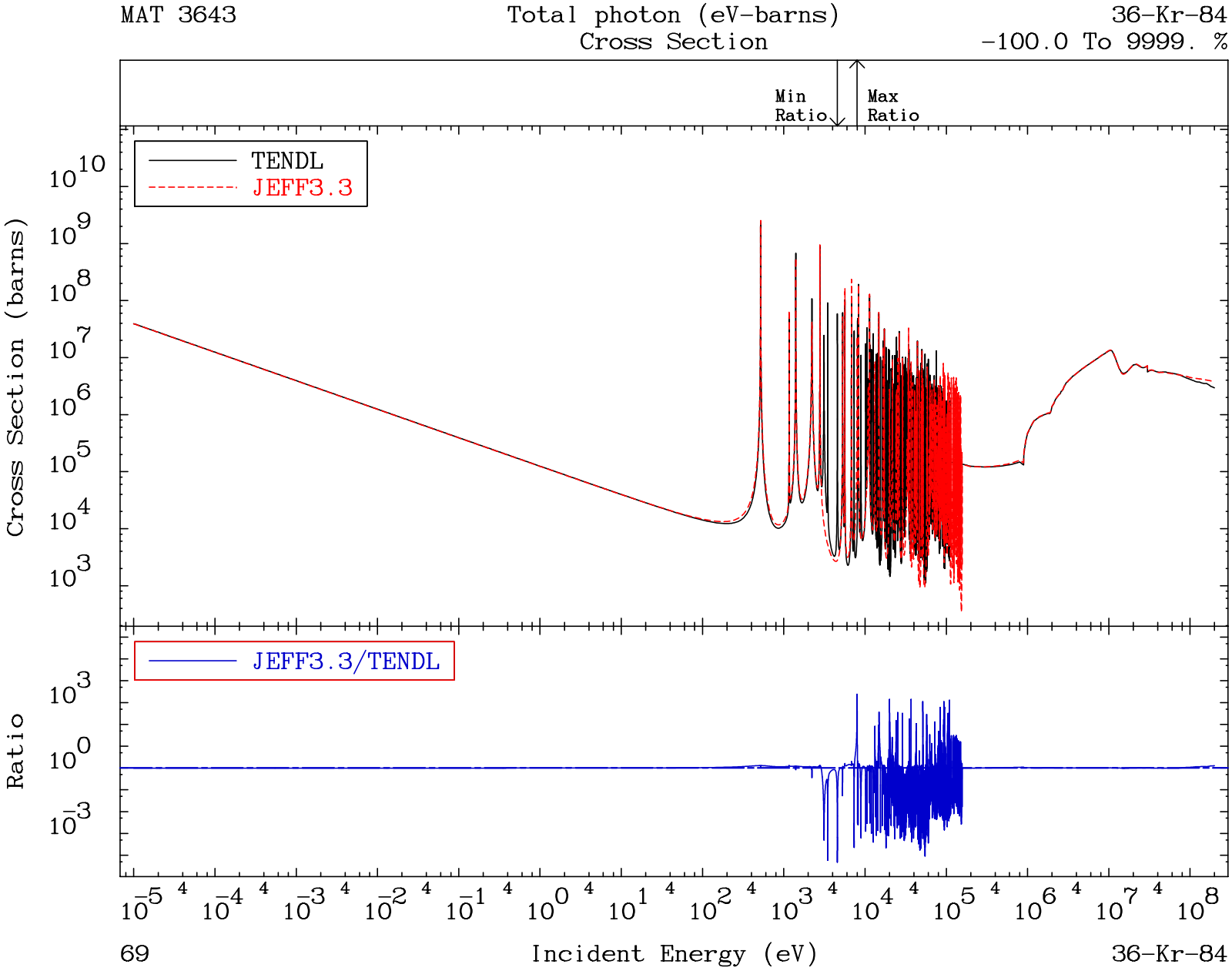

MAT 3643
Kerma elastic
Cross Section
36-Kr-84
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
64
36-Kr-84

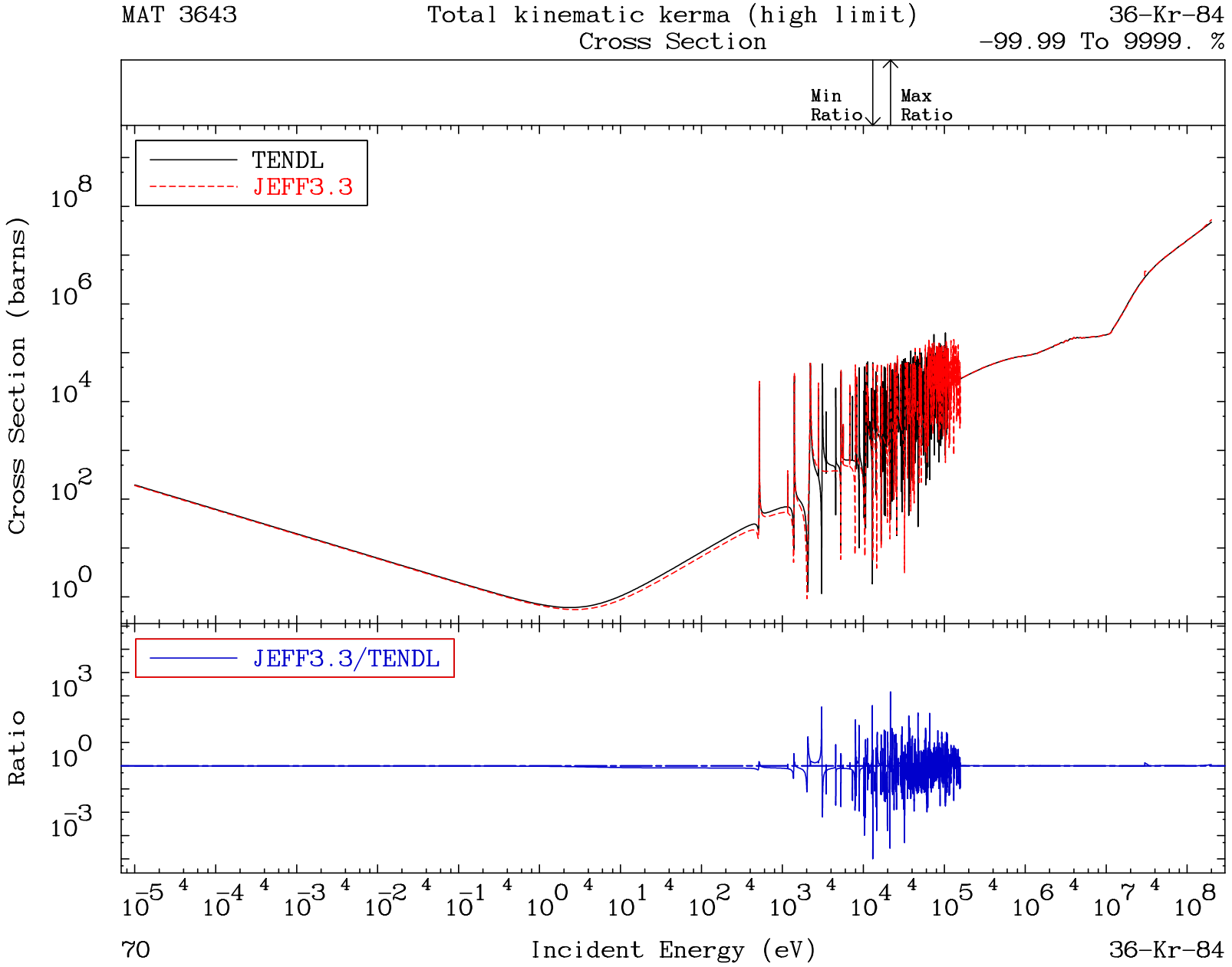

MAT 3643
Kerma non-elastic (all but mt2)
Cross Section
36-Kr-84
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
65
36-Kr-84

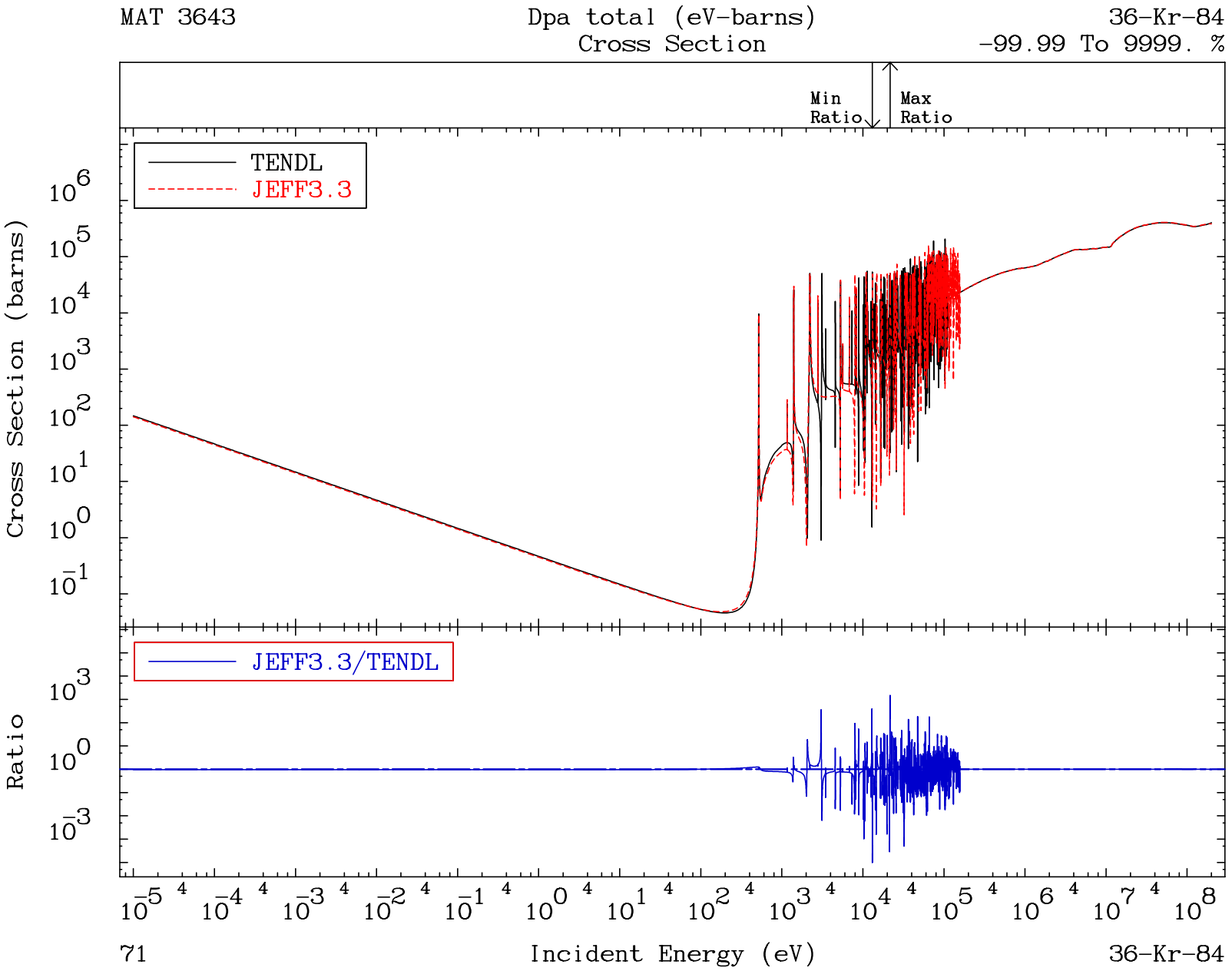

MAT 3643
Kerma inelastic (mt51-91)
Cross Section
36-Kr-84
-11.09 To 4.560 %
Max Ratio
Min Ratio
TENDL Threshold 892.21 keV
JEFF3.3 Threshold 892.21 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
66
36-Kr-84

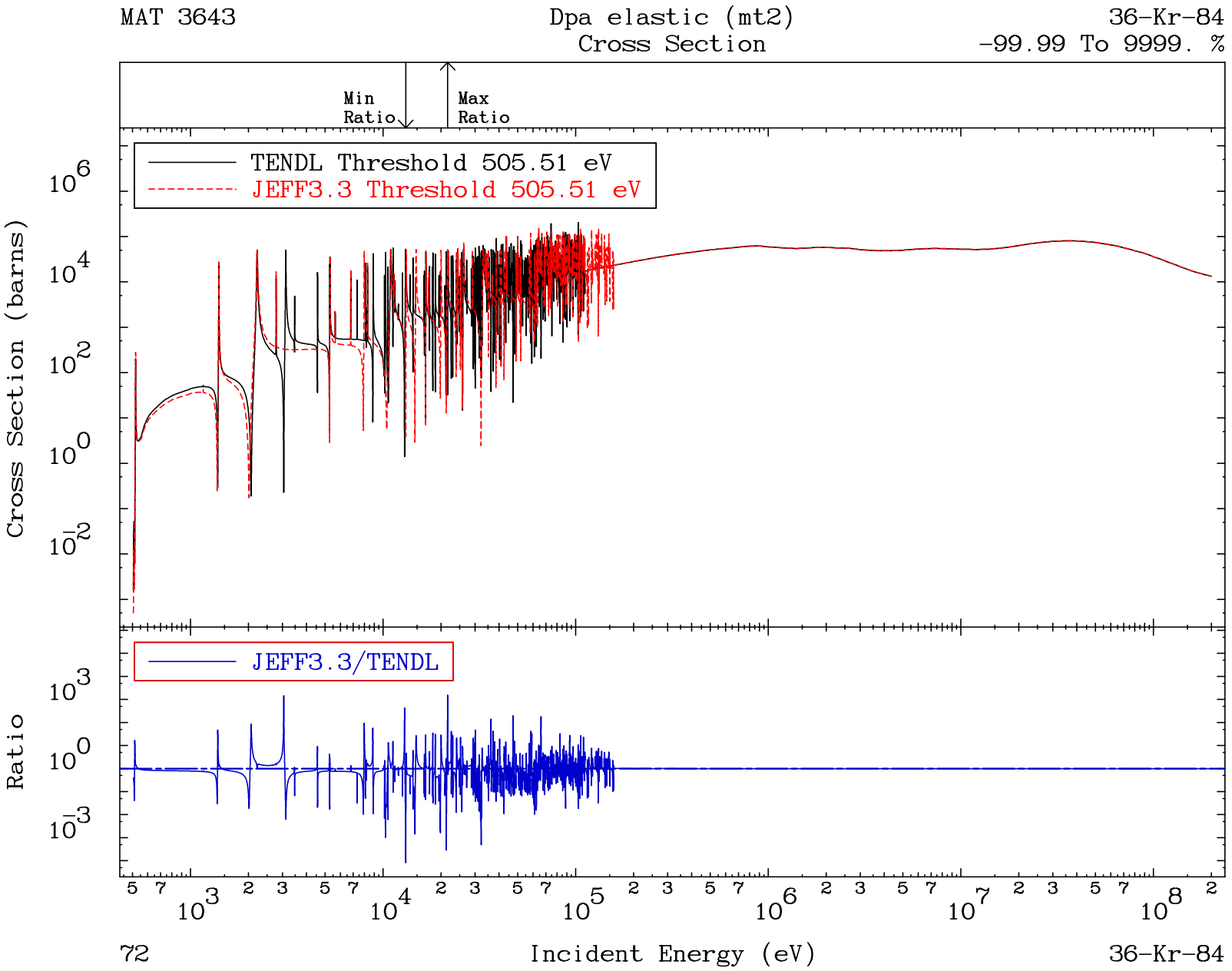

MAT 3643
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
36-Kr-84
-11.09 To 4.560 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
JEFF3.3/TENDL
Ratio
1.0
0.9
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
67
Incident Energy (eV)
36-Kr-84

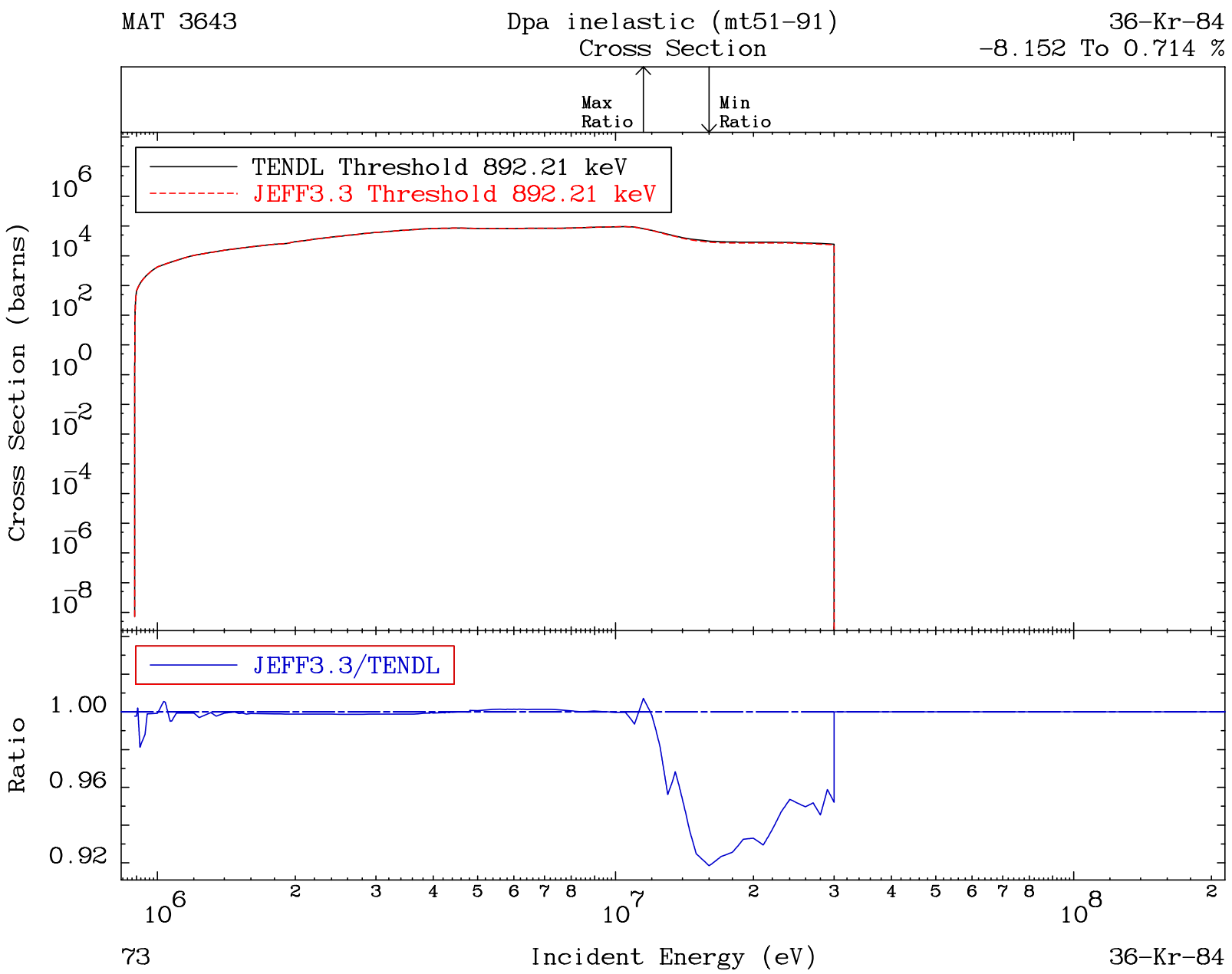

MAT 3643
Kerma capture (mt102)
Cross Section
36-Kr-84
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
68
36-Kr-84

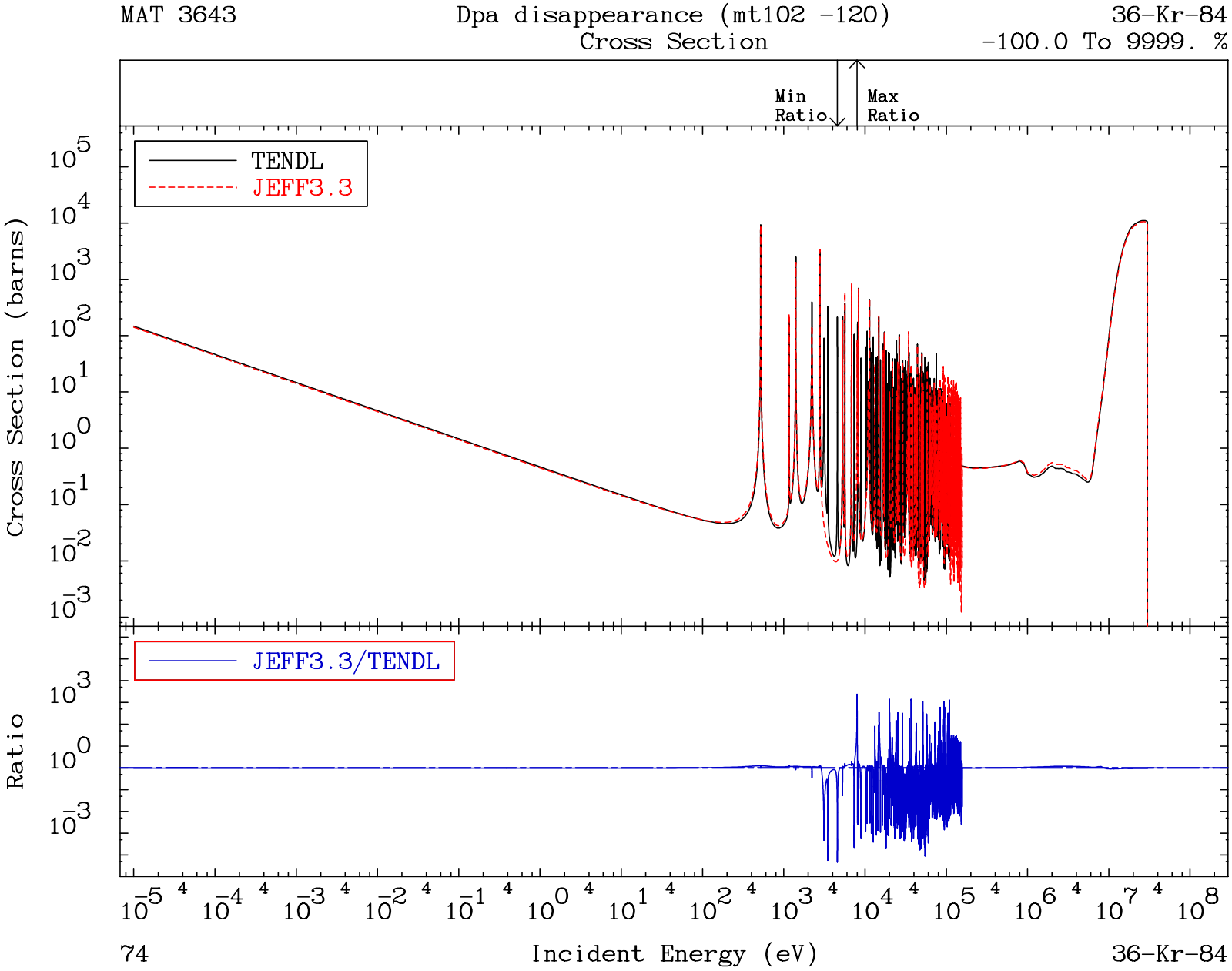

MAT 3643
Total photon (eV-barns)
Cross Section
36-Kr-84
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
69
36-Kr-84

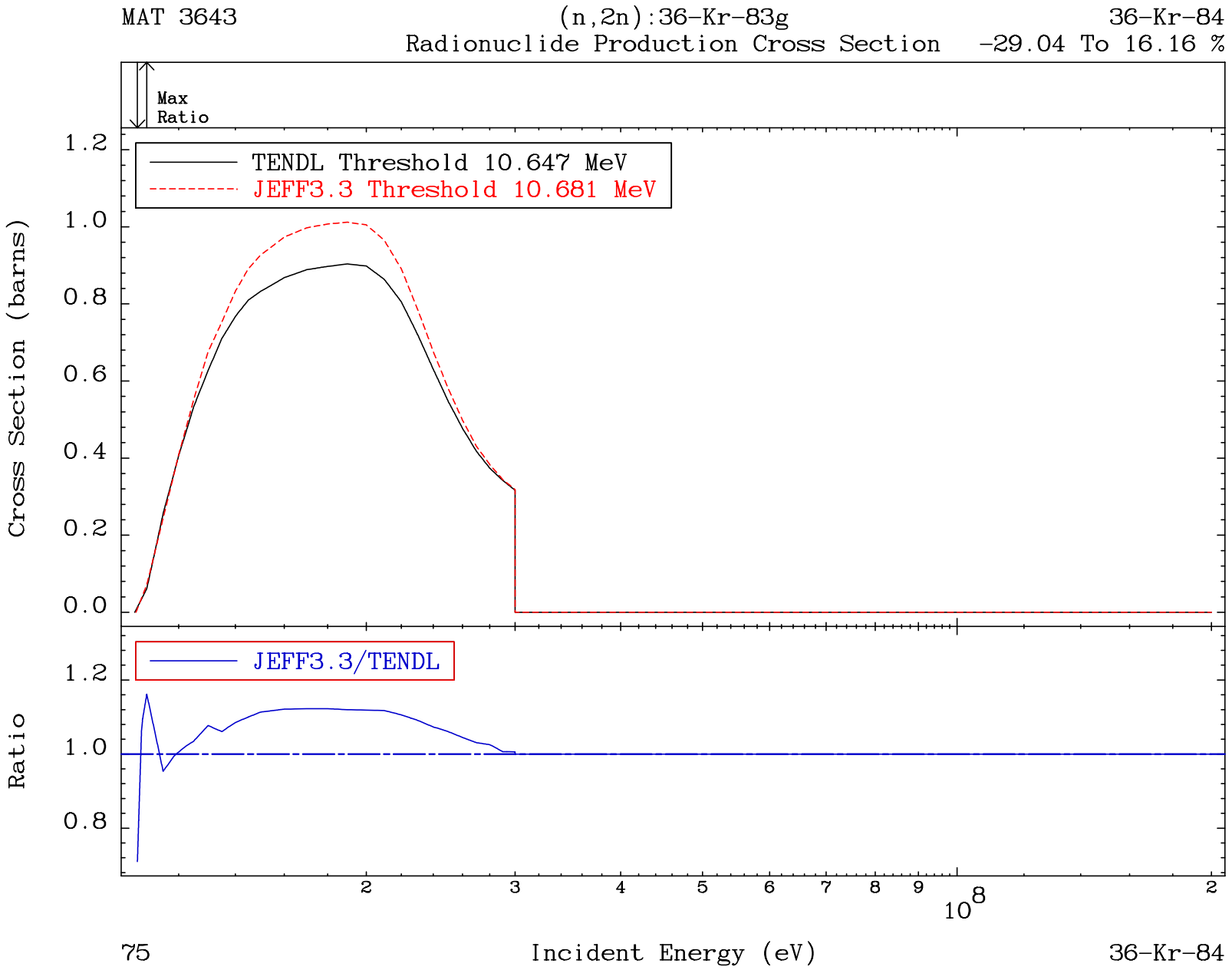

MAT 3643
Total kinematic kerma (high limit)
Cross Section
36-Kr-84
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
70
36-Kr-84

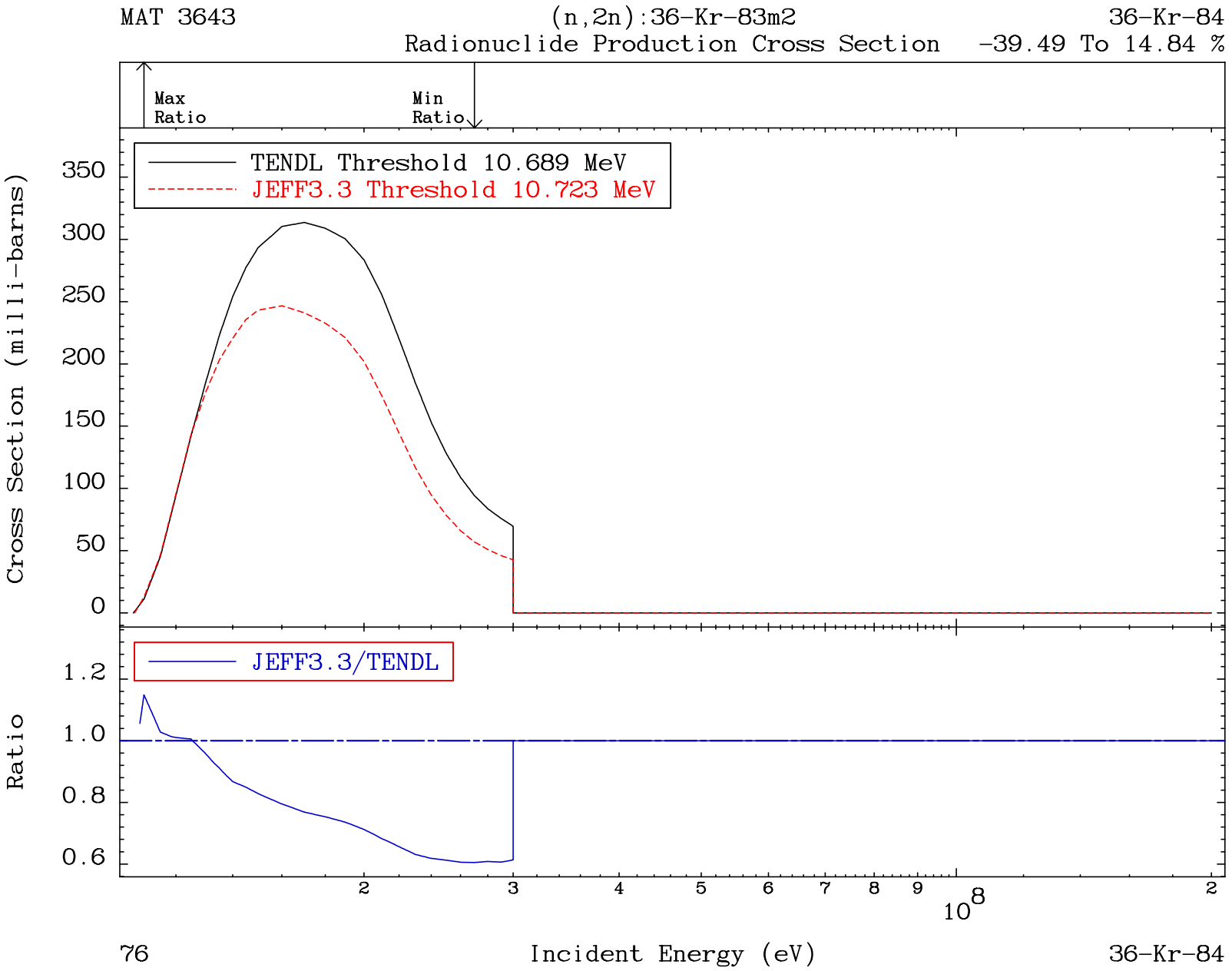

MAT 3643
Dpa total (eV-barns)
Cross Section
36-Kr-84
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
71
36-Kr-84

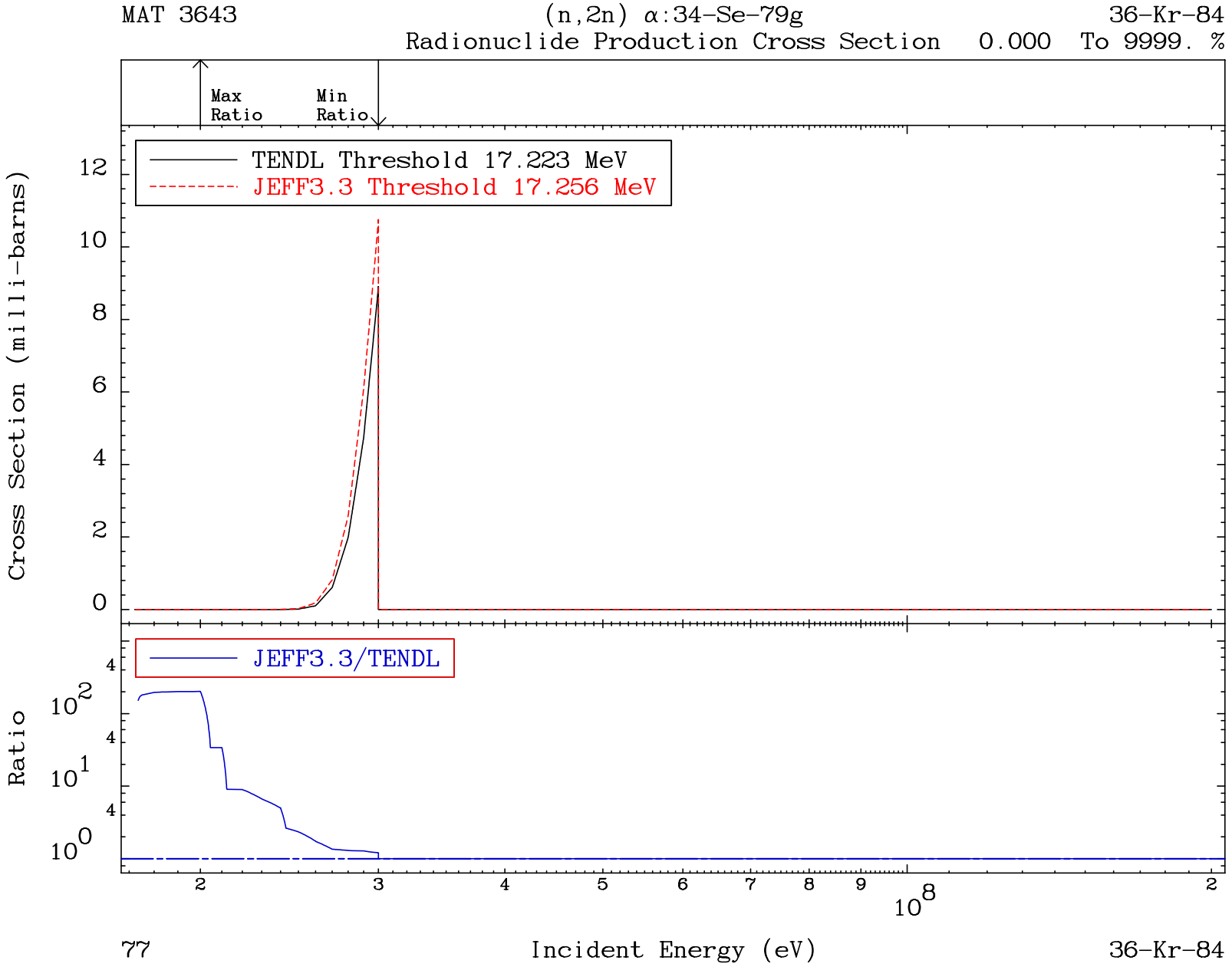

MAT 3643
Dpa elastic (mt2)
Cross Section
36-Kr-84
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 505.51 eV
JEFF3.3 Threshold 505.51 eV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
72
36-Kr-84

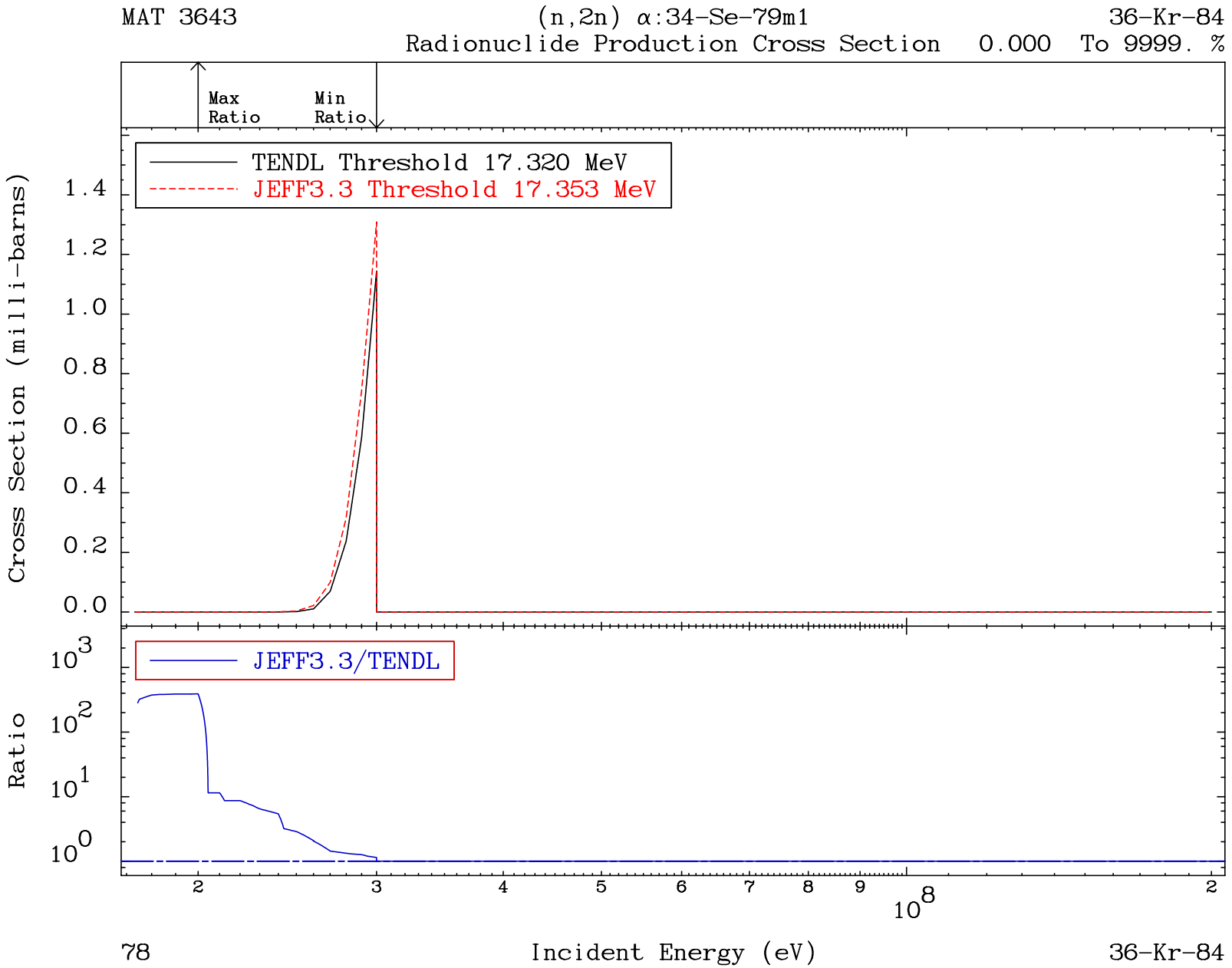

MAT 3643
Dpa inelastic (mt51-91)
Cross Section
36-Kr-84
-8.152 To 0.714 %
Max Ratio
Min Ratio
TENDL Threshold 892.21 keV
JEFF3.3 Threshold 892.21 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
73
36-Kr-84

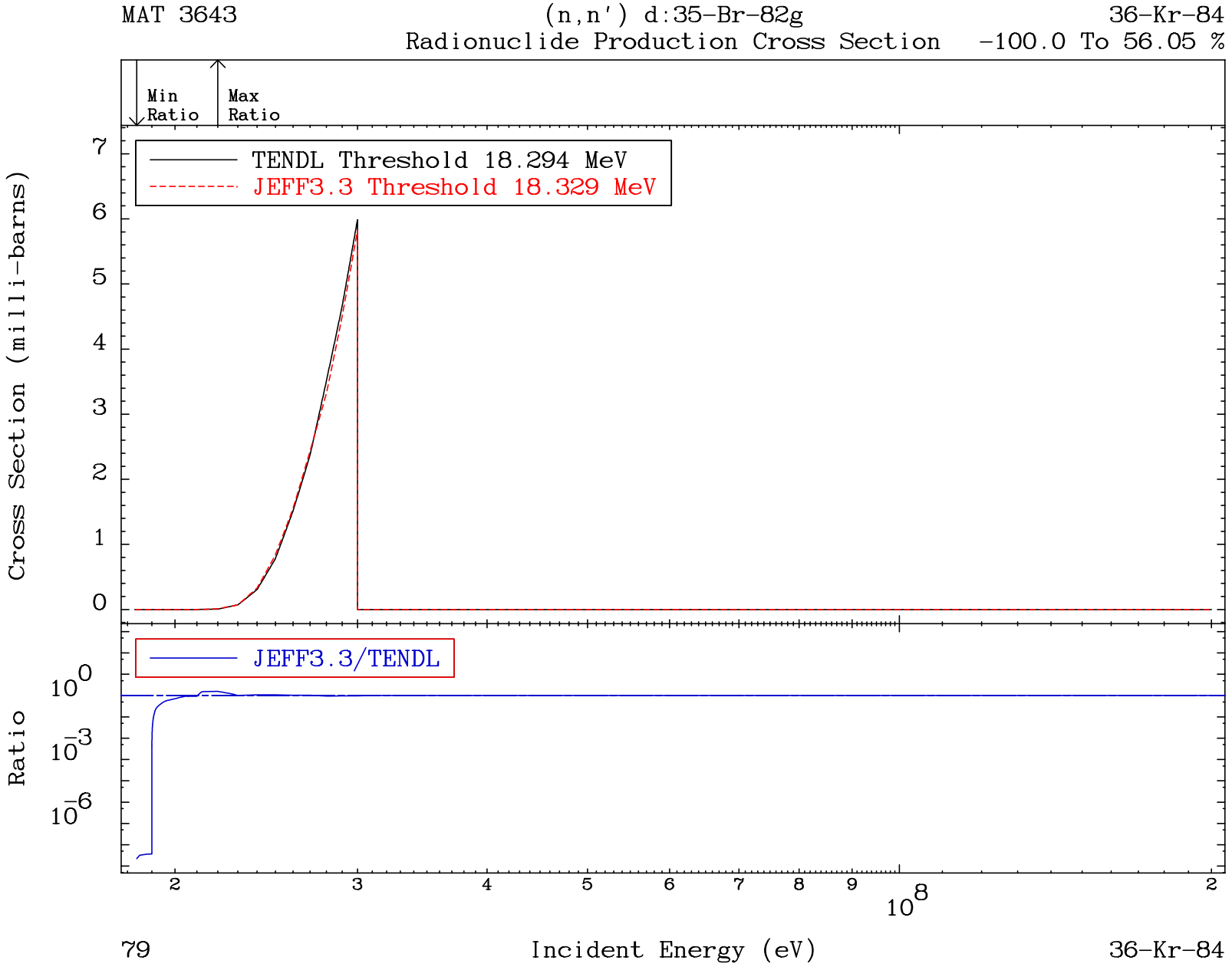

MAT 3643
Dpa disappearance (mt102 -120)
Cross Section
36-Kr-84
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
74
36-Kr-84

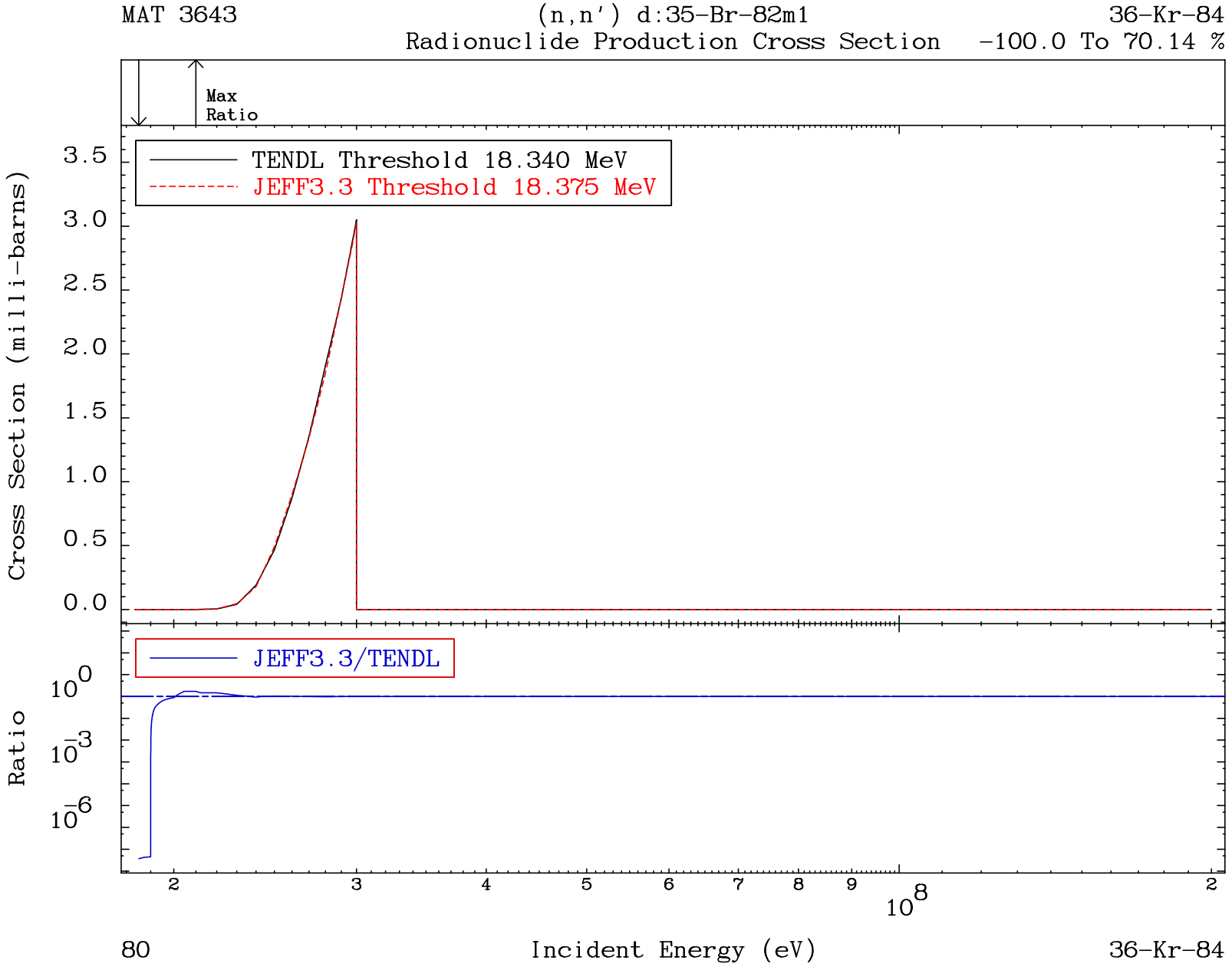

MAT 3643
(n,2n):36-Kr-83g
36-Kr-84
Radionuclide Production Cross Section
-29.04 To 16.16 %
Max
Ratio
TENDL Threshold 10.647 MeV
JEFF3.3 Threshold 10.681 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.2
1.0
0.8
2
3
4
5
6
7
8
9
10^8
2
75
Incident Energy (eV)
36-Kr-84

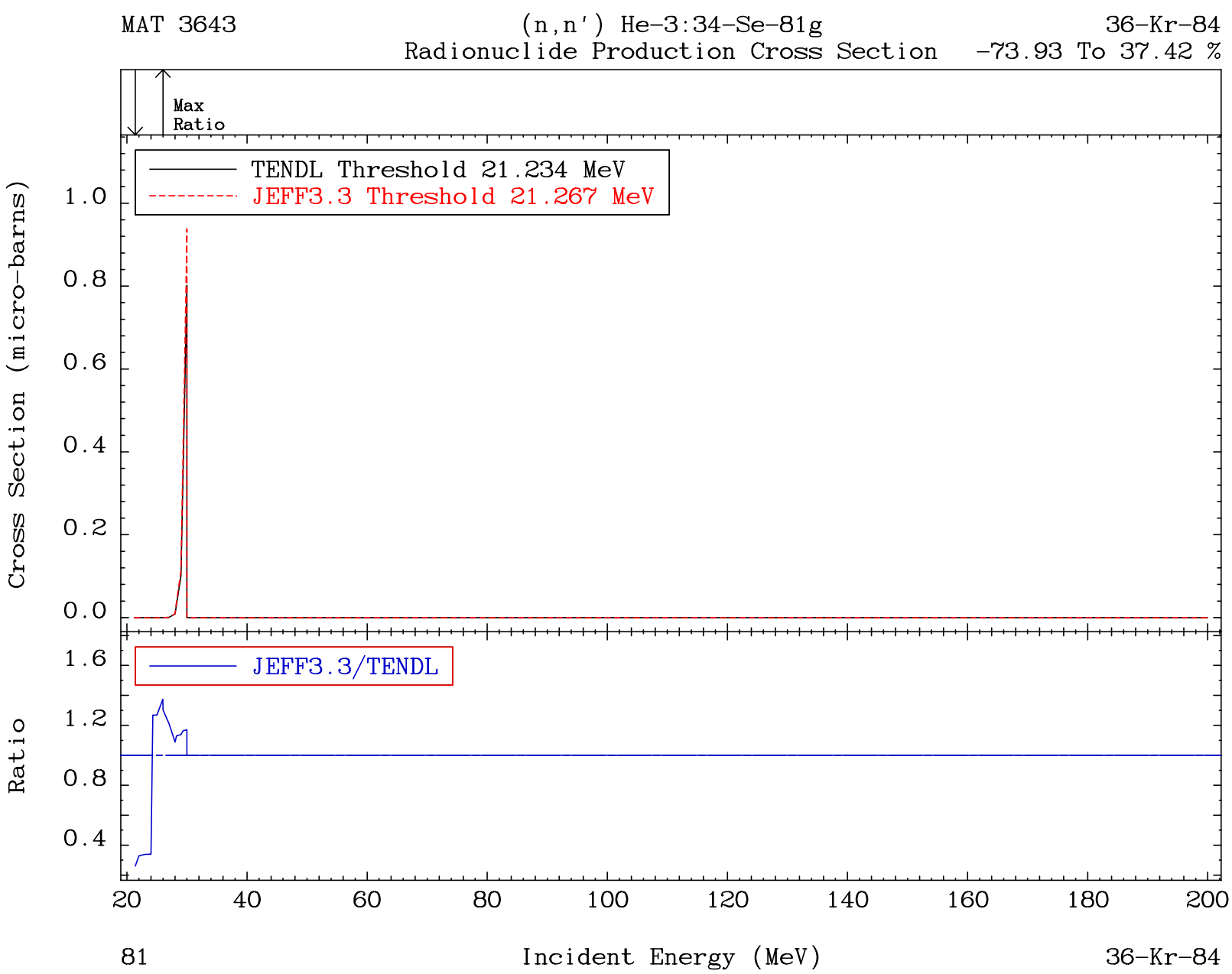

MAT 3643
(n,2n):36-Kr-83m2
36-Kr-84
Radionuclide Production Cross Section -39.49 To 14.84 %
Max Ratio
Min Ratio
TENDL Threshold 10.689 MeV
JEFF3.3 Threshold 10.723 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.2
1.0
0.8
0.6
2
3
4
5
6
7
8
9
10^8
2
76
Incident Energy (eV)
36-Kr-84

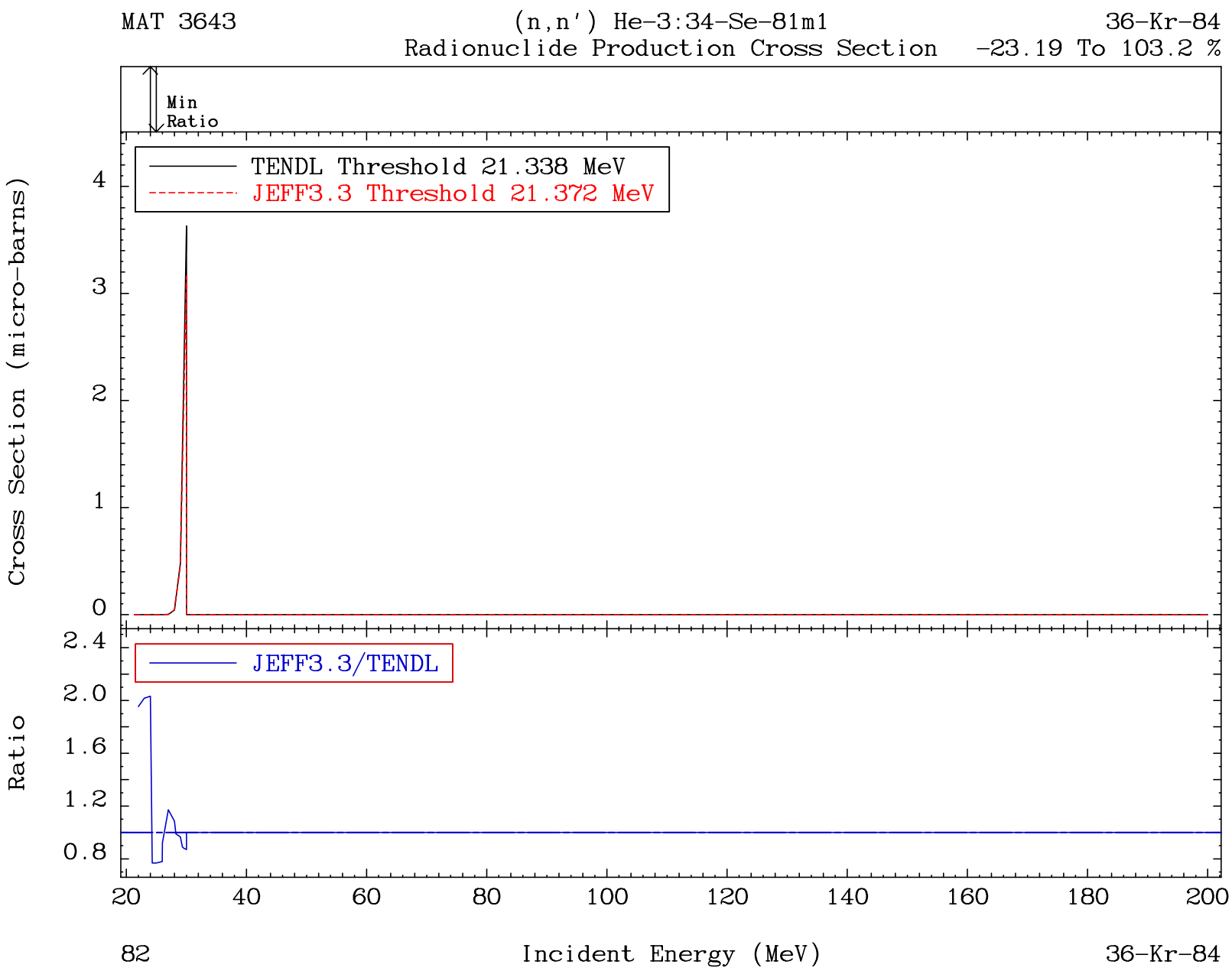

MAT 3643
(n,2n) α:34-Se-79g
36-Kr-84
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 17.223 MeV
JEFF3.3 Threshold 17.256 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
77
36-Kr-84

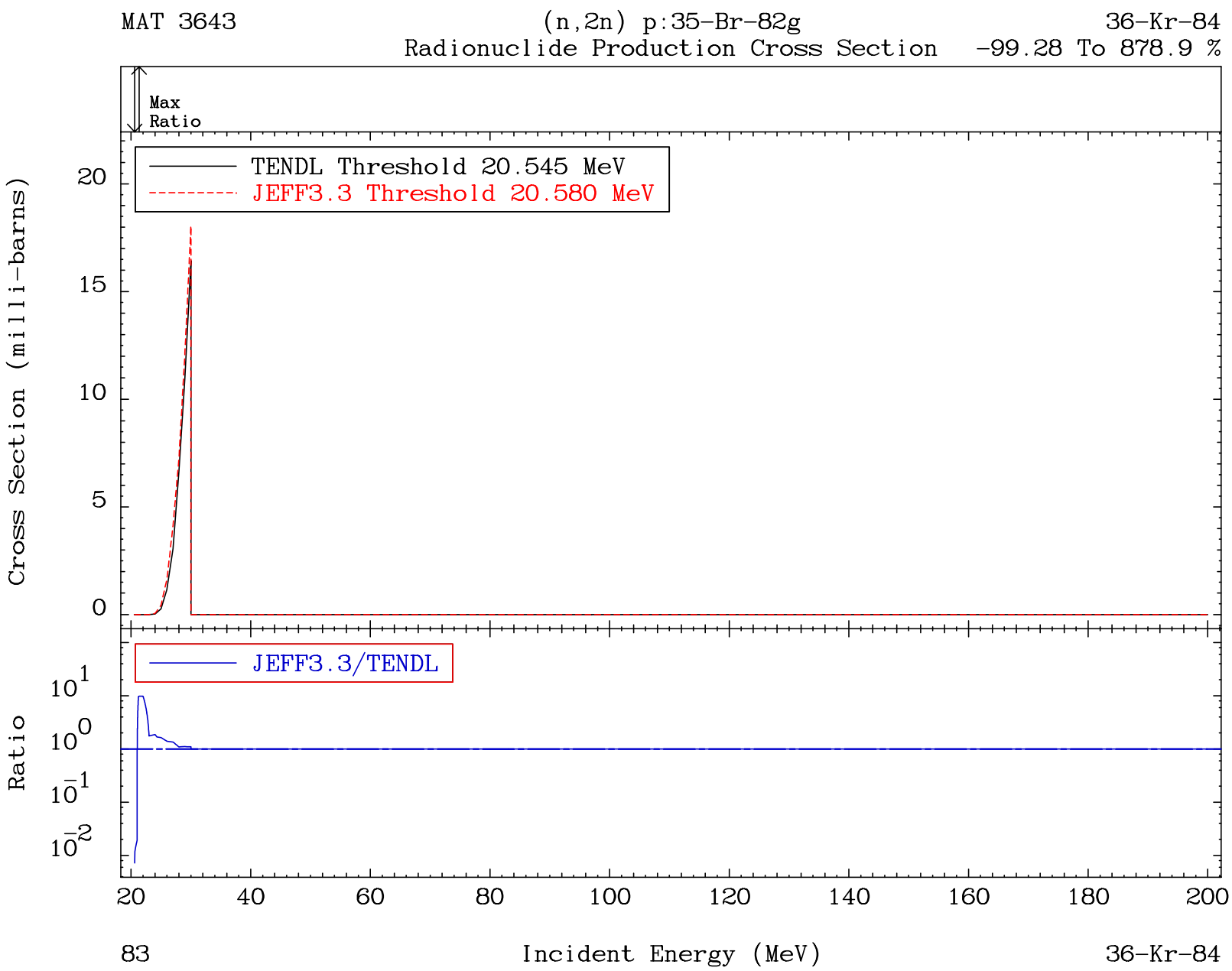

MAT 3643
(n,2n) α:34-Se-79m1
36-Kr-84
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 17.320 MeV
JEFF3.3 Threshold 17.353 MeV
Cross Section (milli-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
10^3
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
78
Incident Energy (eV)
36-Kr-84

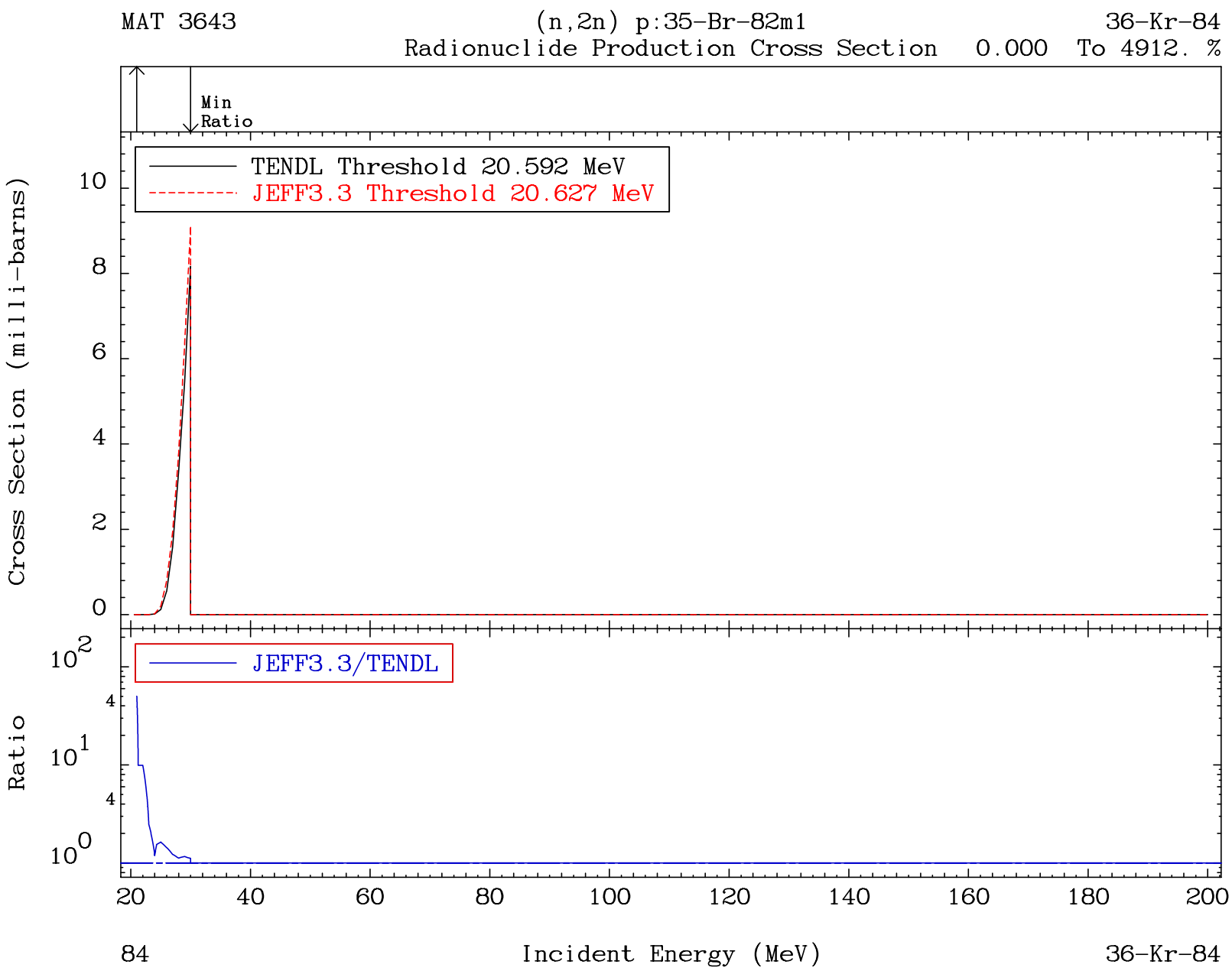

MAT 3643
(n,n') d:35-Br-82g
36-Kr-84
Radionuclide Production Cross Section
-100.0 To 56.05 %
Min Ratio
Max Ratio
TENDL Threshold 18.294 MeV
JEFF3.3 Threshold 18.329 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
79
36-Kr-84

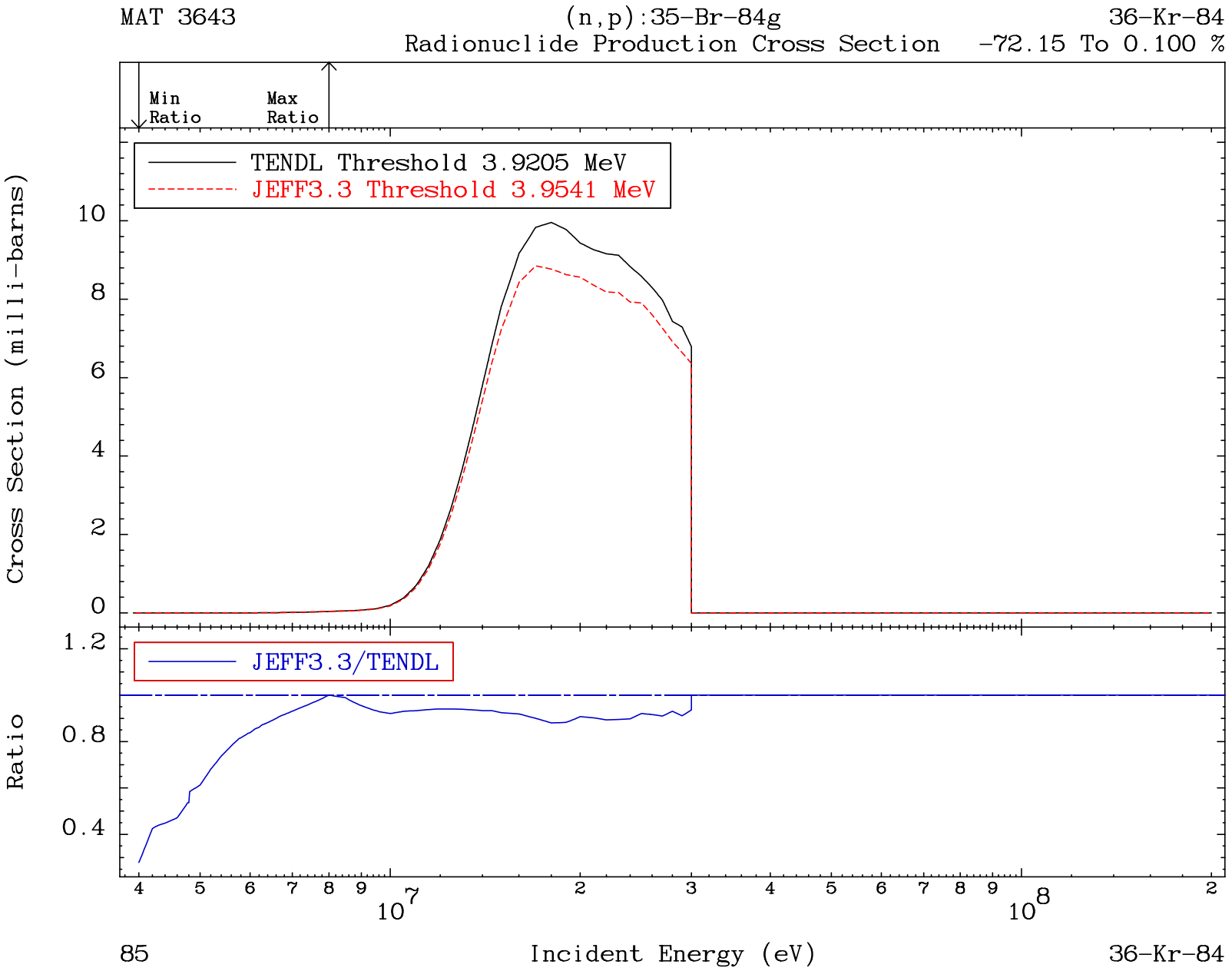

MAT 3643
(n,n') d:35-Br-82m1
36-Kr-84
Radionuclide Production Cross Section -100.0 To 70.14 %
Max Ratio
TENDL Threshold 18.340 MeV
JEFF3.3 Threshold 18.375 MeV
Cross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
9
10^8
2
80
Incident Energy (eV)
36-Kr-84

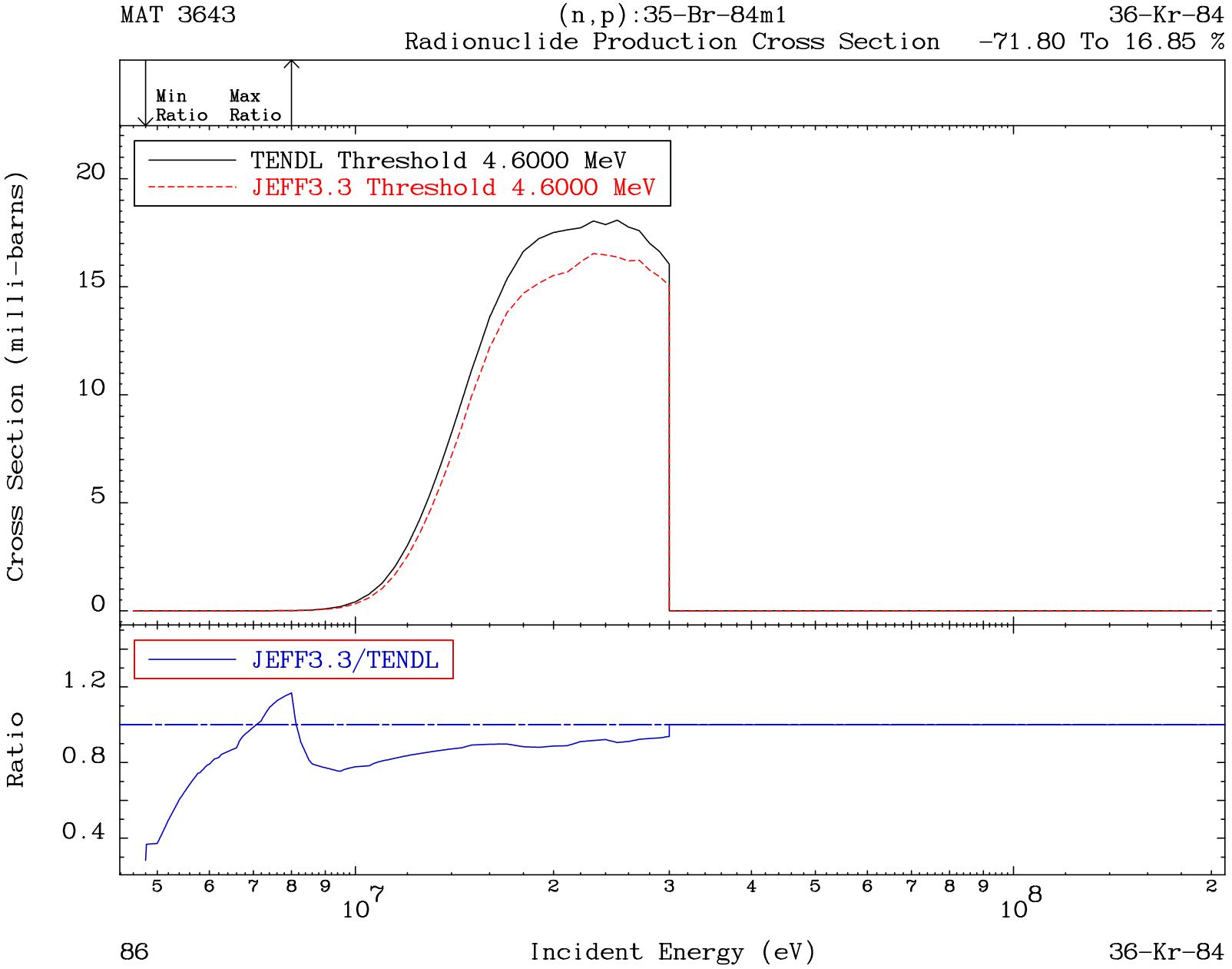

MAT 3643
(n,n') He-3:34-Se-81g
36-Kr-84
Radionuclide Production Cross Section
-73.93 To 37.42 %
Max
Ratio
TENDL Threshold 21.234 MeV
JEFF3.3 Threshold 21.267 MeV
Cross Section (micro-barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.6
1.2
0.8
0.4
20
40
60
80
100
120
140
160
180
200
81
Incident Energy (MeV)
36-Kr-84

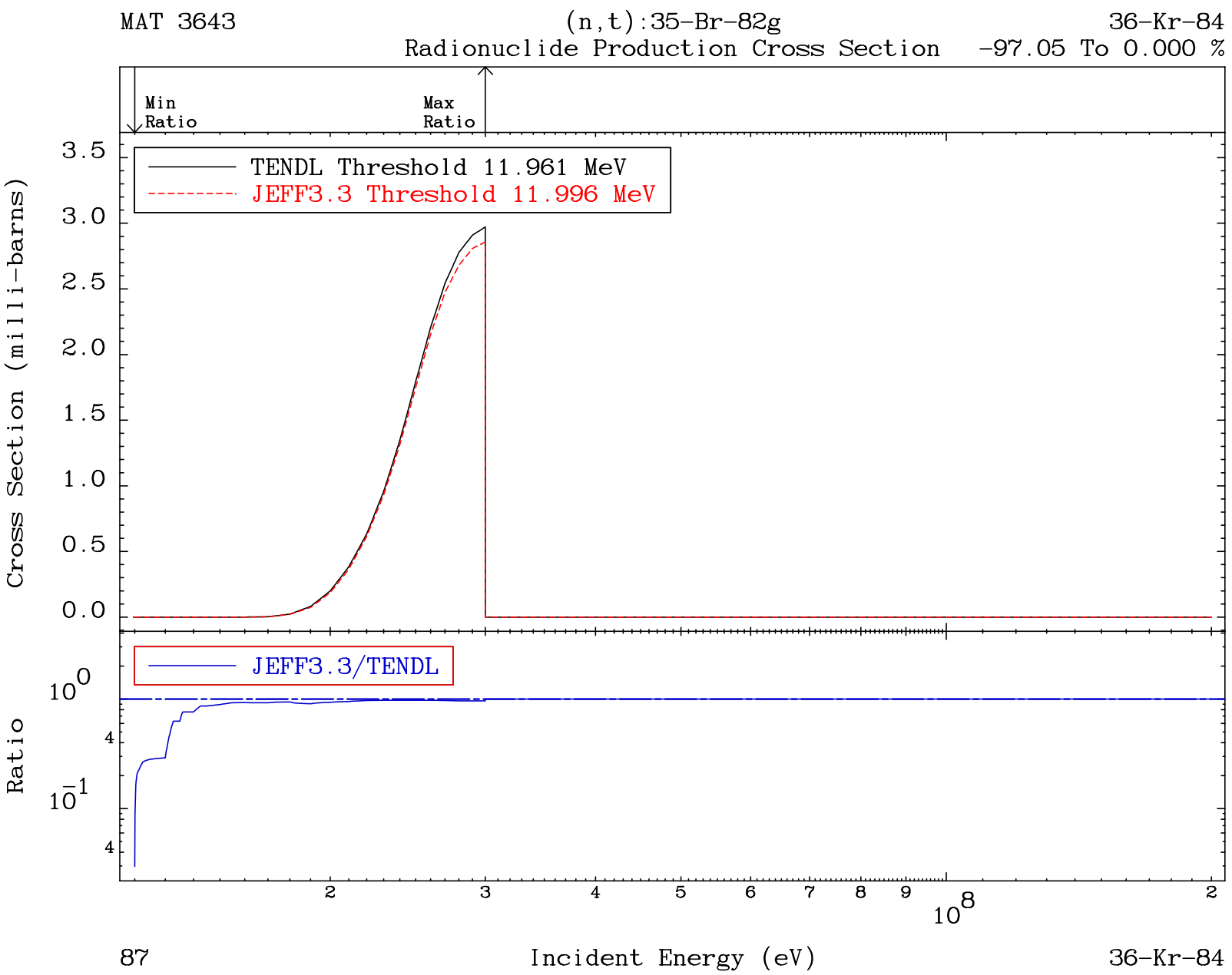

MAT 3643
(n,n') He-3:34-Se-81m1
36-Kr-84
Radionuclide Production Cross Section -23.19 To 103.2 %
Min Ratio
TENDL Threshold 21.338 MeV
JEFF3.3 Threshold 21.372 MeV
Cross Section (micro-barns)
0
1
2
3
4
JEFF3.3/TENDL
Ratio
0.8
1.2
1.6
2.0
2.4
20
40
60
80
100
120
140
160
180
200
82
Incident Energy (MeV)
36-Kr-84

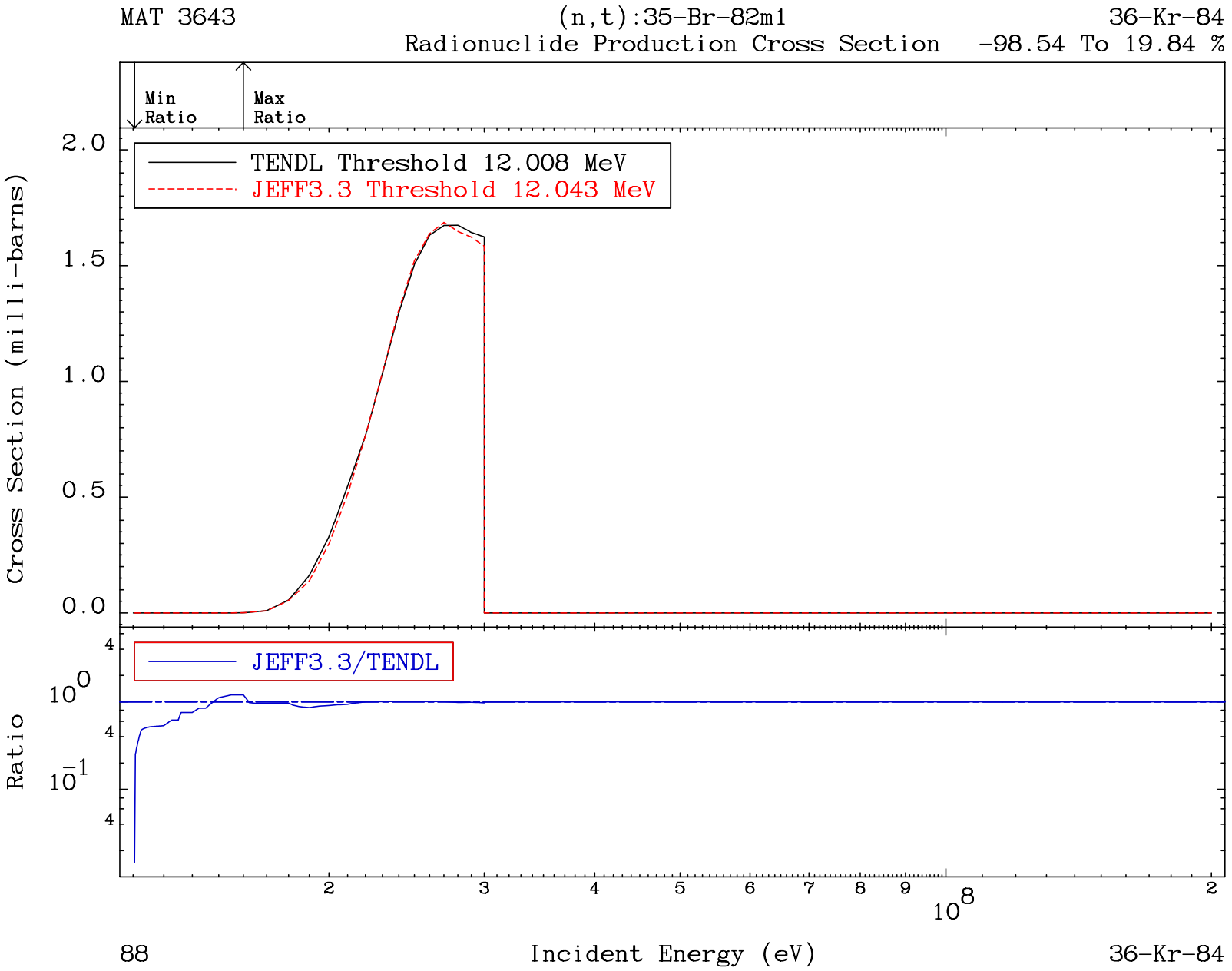

MAT 3643
(n,2n) p:35-Br-82g
36-Kr-84
Radionuclide Production Cross Section -99.28 To 878.9 %
Max Ratio
TENDL Threshold 20.545 MeV
JEFF3.3 Threshold 20.580 MeV
Cross Section (milli-barns)
20
15
10
5
0
JEFF3.3/TENDL
Ratio
10^1
10^0
10^-1
10^-2
20
40
60
80
100
120
140
160
180
200
83
Incident Energy (MeV)
36-Kr-84

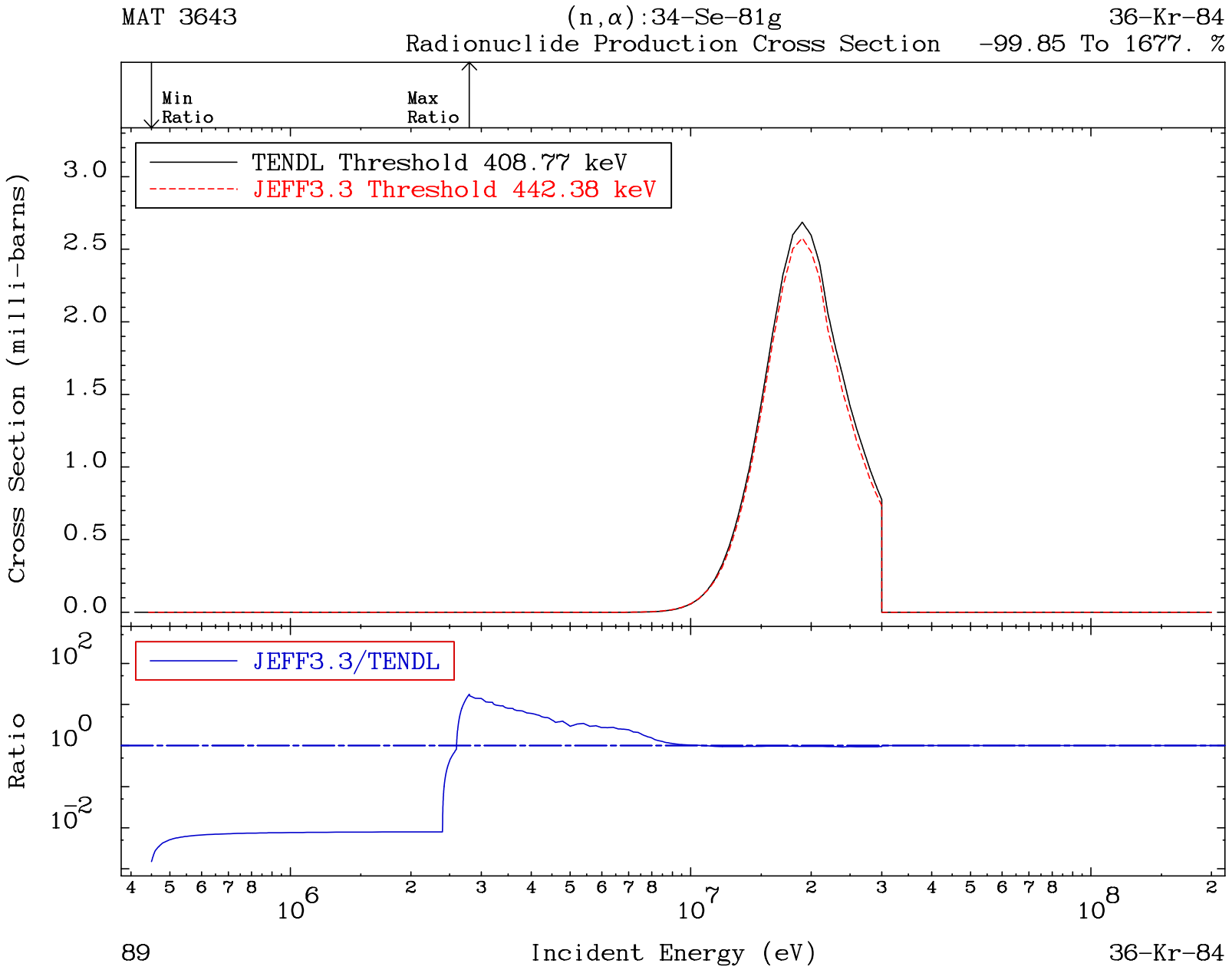

MAT 3643
(n,2n) p:35-Br-82m1
36-Kr-84
Radionuclide Production Cross Section 0.000 To 4912. %
Min
Ratio
TENDL Threshold 20.592 MeV
JEFF3.3 Threshold 20.627 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (MeV)
84
36-Kr-84

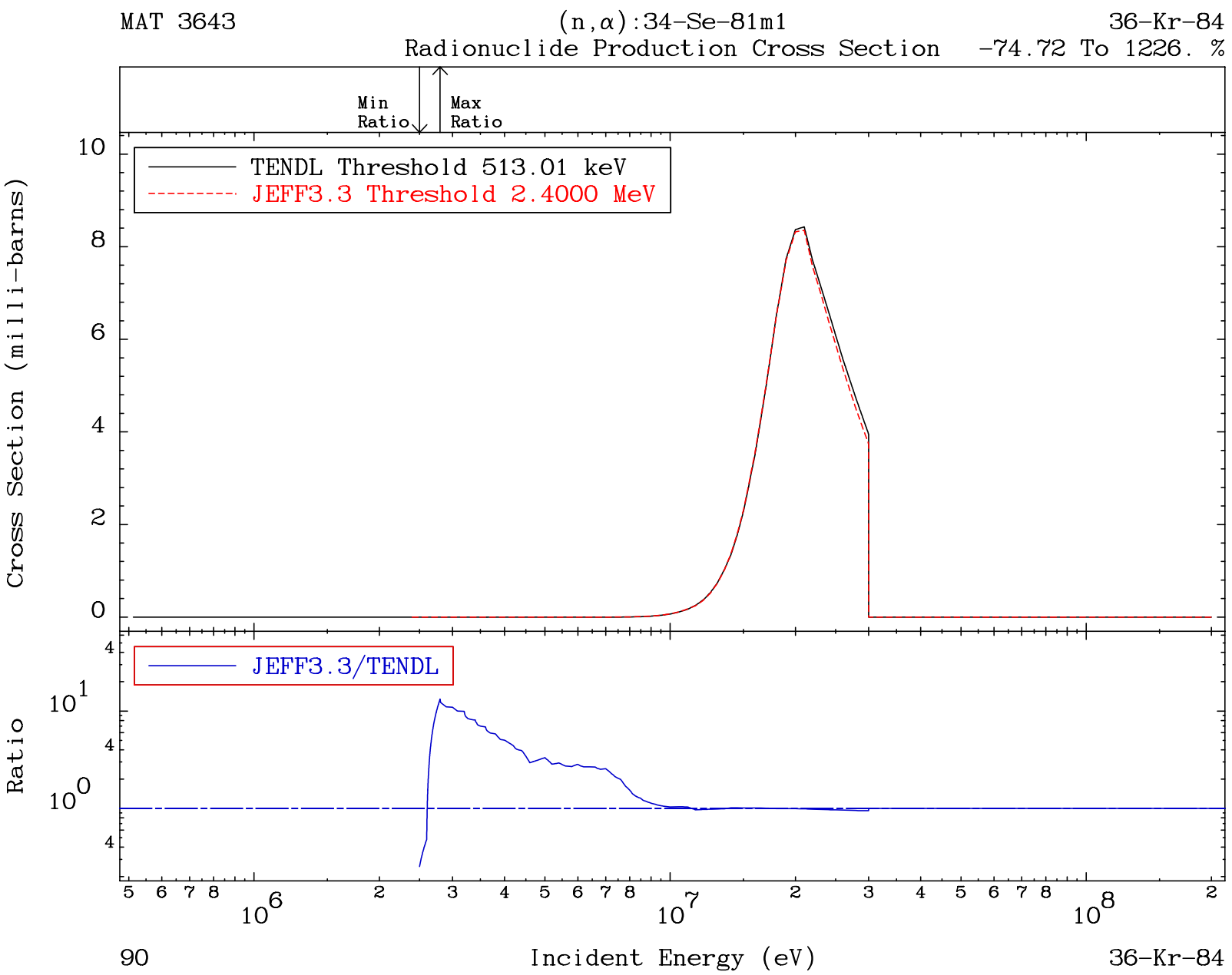

MAT 3643
(n,p):35-Br-84g
36-Kr-84
Radionuclide Production Cross Section -72.15 To 0.100 %
Min Ratio
Max Ratio
TENDL Threshold 3.9205 MeV
JEFF3.3 Threshold 3.9541 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
85
36-Kr-84

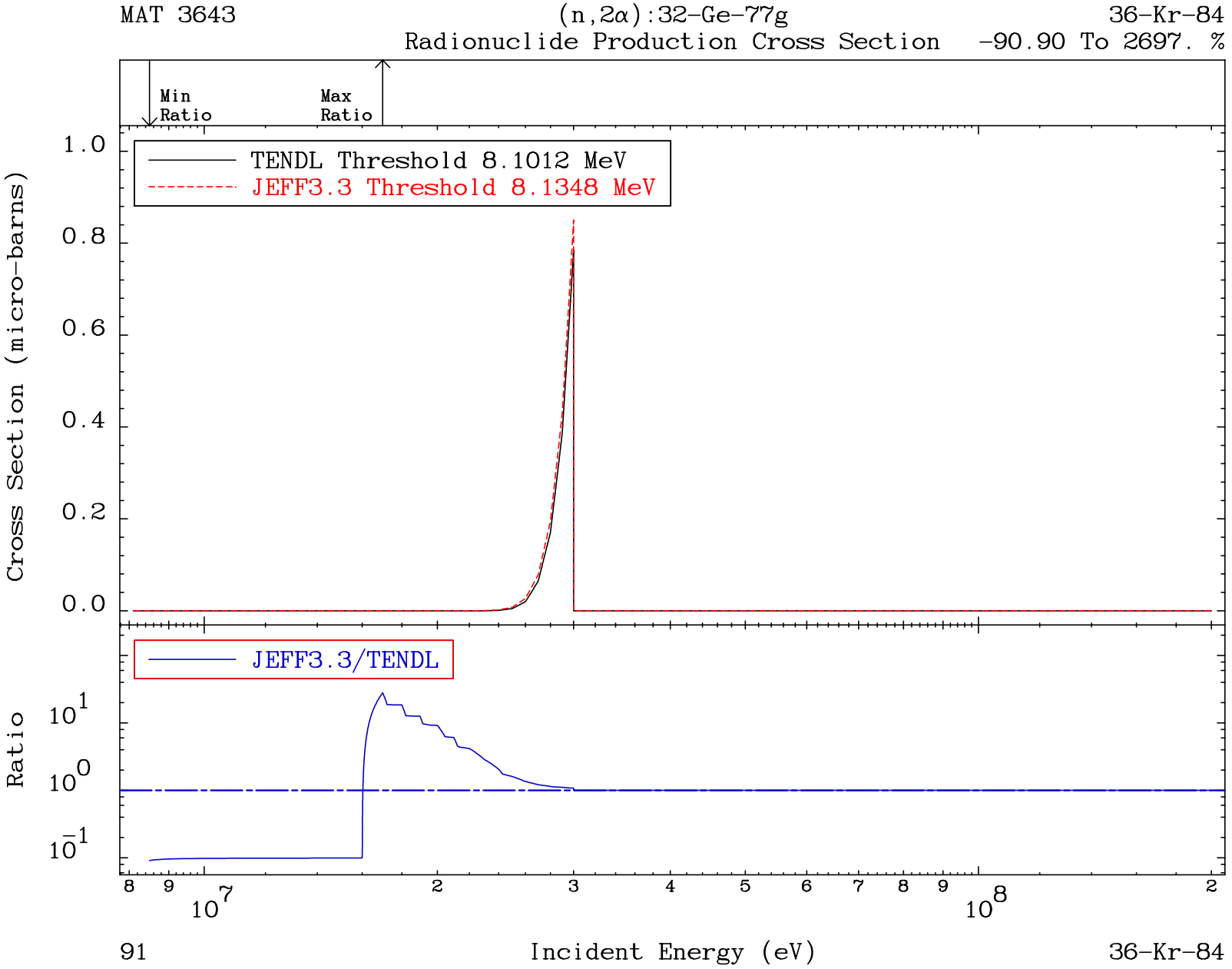

MAT 3643
(n,p):35-Br-84m1
36-Kr-84
Radionuclide Production Cross Section -71.80 To 16.85 %
Min Ratio
Max Ratio
TENDL Threshold 4.6000 MeV
JEFF3.3 Threshold 4.6000 MeV
Cross Section (milli-barns)
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.2
0.8
0.4
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
86
Incident Energy (eV)
36-Kr-84

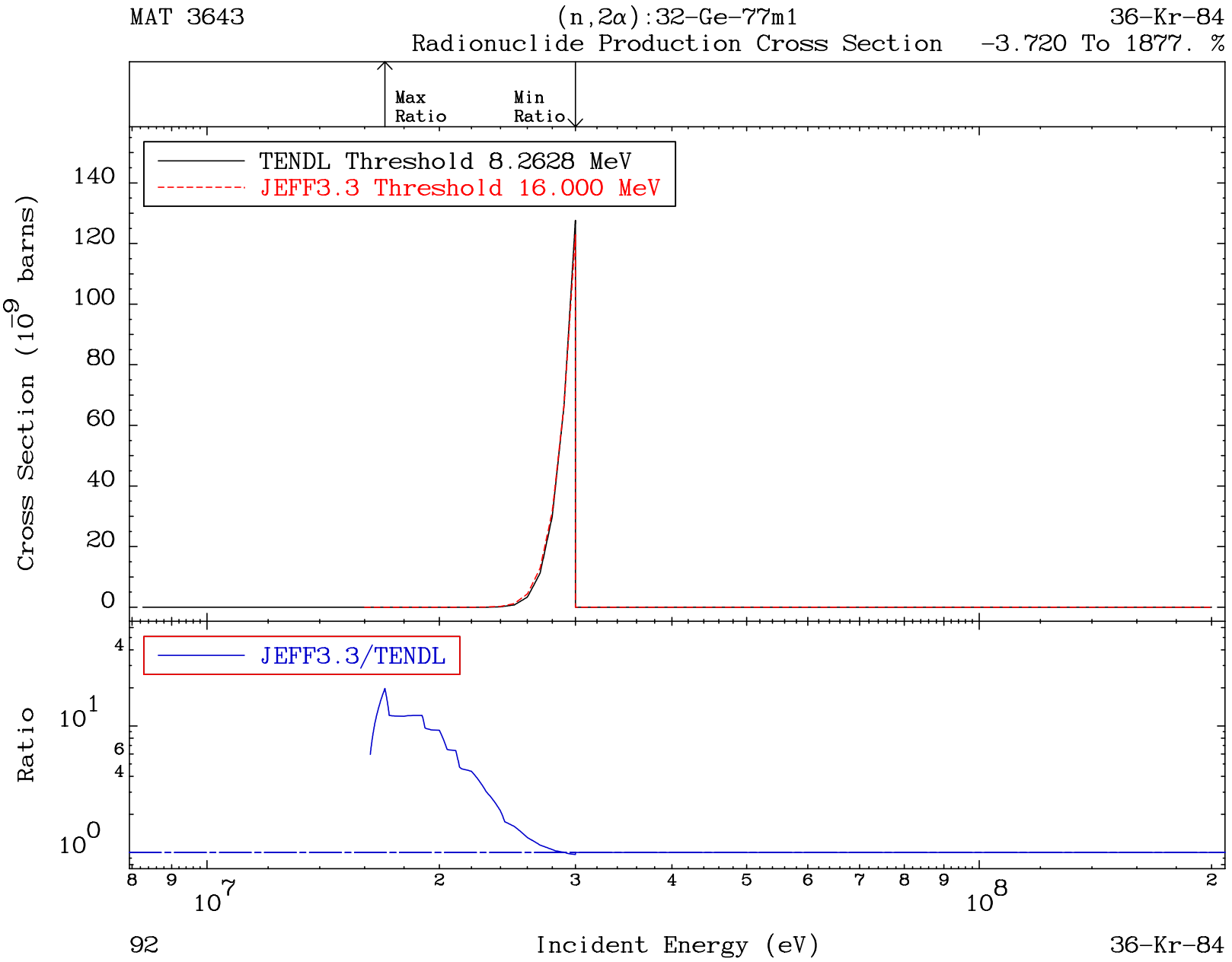

MAT 3643
(n,t):35-Br-82g
36-Kr-84
Radionuclide Production Cross Section
-97.05 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 11.961 MeV
JEFF3.3 Threshold 11.996 MeV
Cross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^0
10^-1
4
2
3
4
5
6
7
8
9
10^8
2
87
Incident Energy (eV)
36-Kr-84

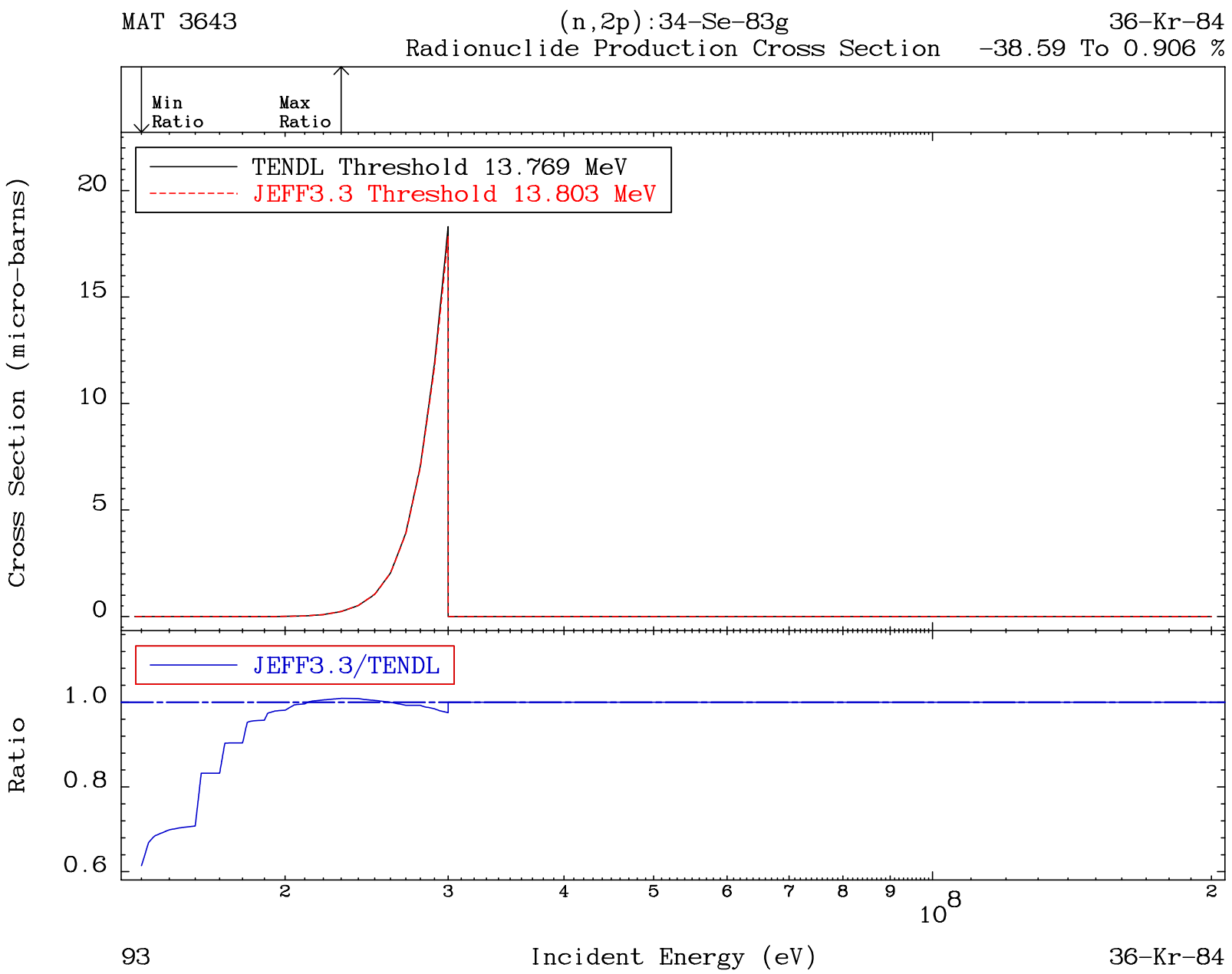

MAT 3643
(n,t):35-Br-82m1
36-Kr-84
Radionuclide Production Cross Section -98.54 To 19.84 %
Min Ratio
Max Ratio
TENDL Threshold 12.008 MeV
JEFF3.3 Threshold 12.043 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^0
10^-1
2
3
4
5
6
7
8
9
10^8
2
88
Incident Energy (eV)
36-Kr-84

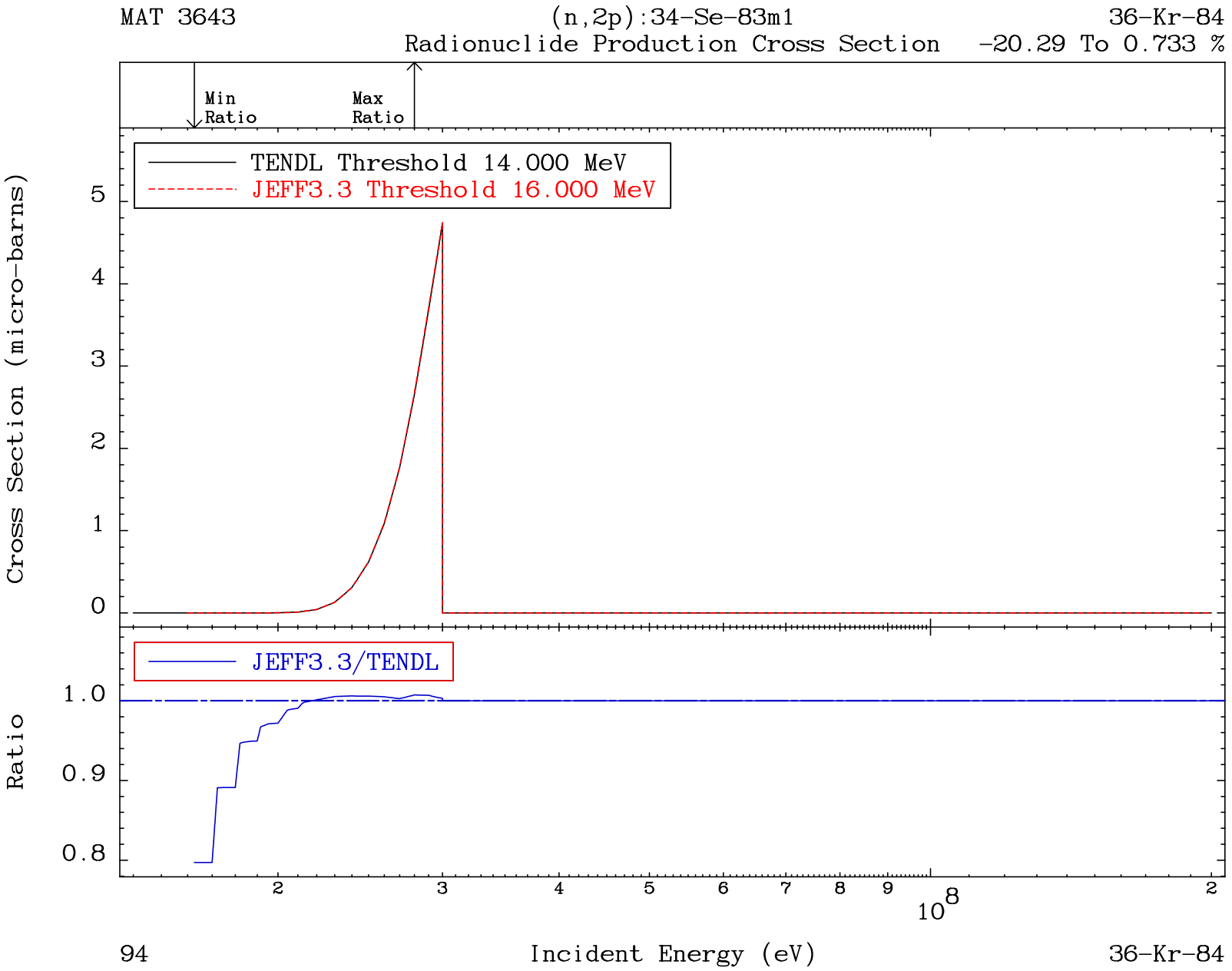

MAT 3643
(n,α):34-Se-81g
36-Kr-84
Radionuclide Production Cross Section -99.85 To 1677. %
Min Ratio
Max Ratio
TENDL Threshold 408.77 keV
JEFF3.3 Threshold 442.38 keV
Cross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^2
10^0
10^-2
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
89
Incident Energy (eV)
36-Kr-84

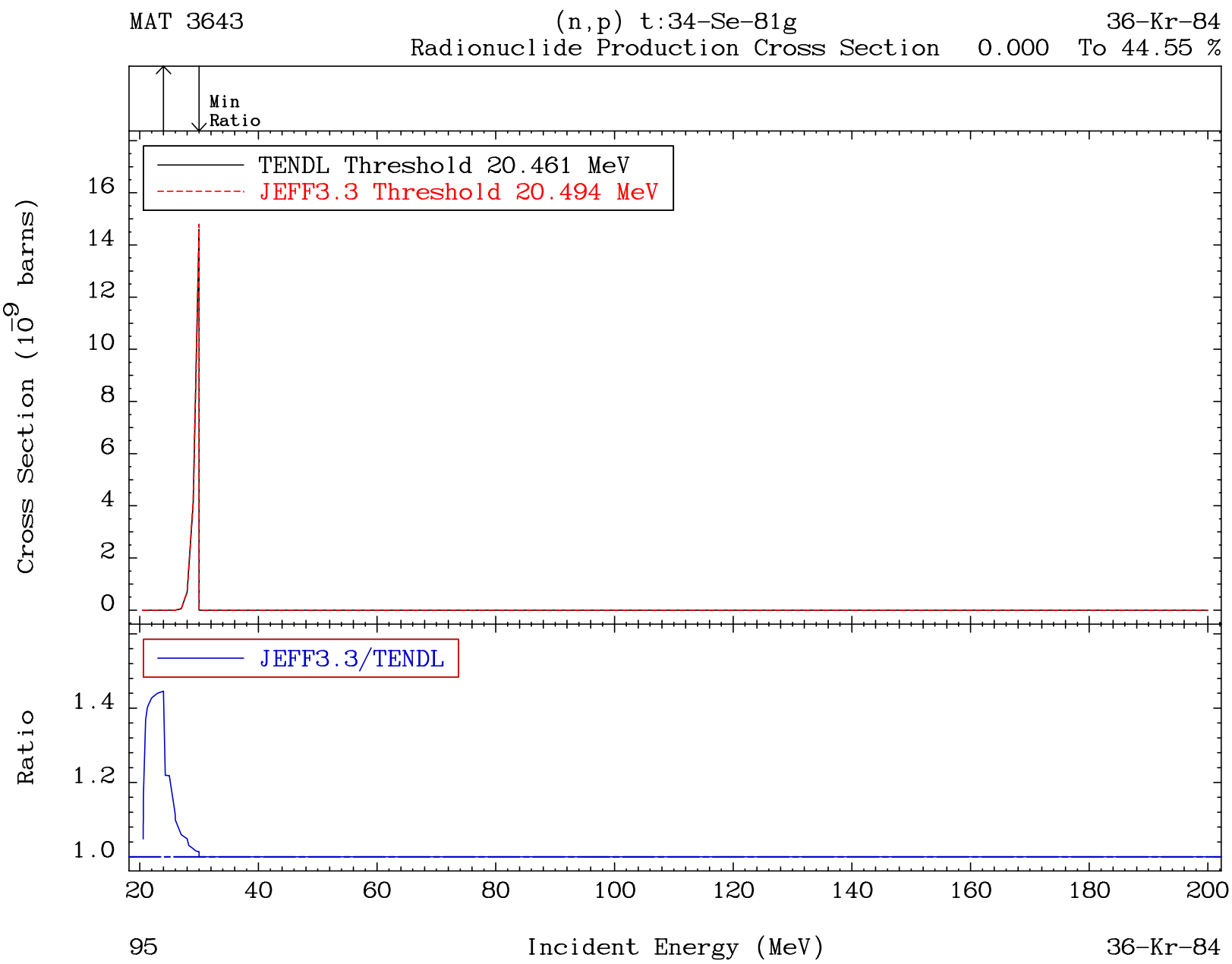

MAT 3643
(n,α):34-Se-81m1
36-Kr-84
Radionuclide Production Cross Section -74.72 To 1226. %
Min Ratio
Max Ratio
TENDL Threshold 513.01 keV
JEFF3.3 Threshold 2.4000 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
90
36-Kr-84

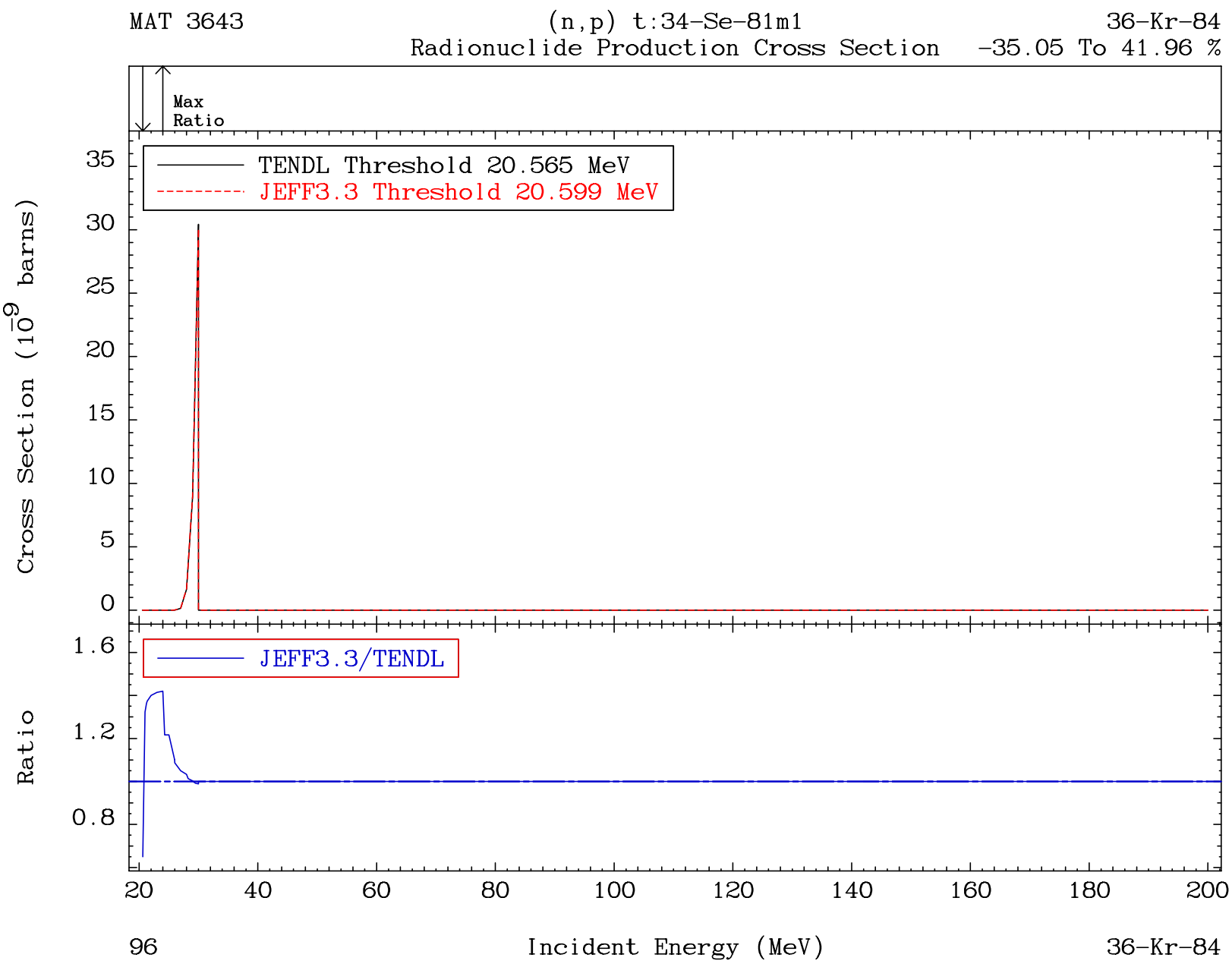

MAT 3643
(n,2α):32-Ge-77g
36-Kr-84
Radionuclide Production Cross Section -90.90 To 2697. %
Min Ratio
Max Ratio
TENDL Threshold 8.1012 MeV
JEFF3.3 Threshold 8.1348 MeV
Cross Section (micro-barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
10^1
10^0
10^-1
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
91
Incident Energy (eV)
36-Kr-84


MAT 3643
(n,2α):32-Ge-77m1
36-Kr-84
Radionuclide Production Cross Section -3.720 To 1877. %
Max Ratio
Min Ratio
TENDL Threshold 8.2628 MeV
JEFF3.3 Threshold 16.000 MeV
Cross Section (10^{-9} barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^1
6
4
10^0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
92
Incident Energy (eV)
36-Kr-84


MAT 3643
(n,2p):34-Se-83g
36-Kr-84
Radionuclide Production Cross Section
-38.59 To 0.906 %
Min Ratio
Max Ratio
TENDL Threshold 13.769 MeV
JEFF3.3 Threshold 13.803 MeV
Cross Section (micro-barns)
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.0
0.8
0.6
2
3
4
5
6
7
8
9
10^8
2
93
Incident Energy (eV)
36-Kr-84


MAT 3643
(n,2p):34-Se-83m1
36-Kr-84
Radionuclide Production Cross Section
-20.29 To 0.733 %
Min Ratio
Max Ratio
TENDL Threshold 14.000 MeV
JEFF3.3 Threshold 16.000 MeV
Cross Section (micro-barns)
0
1
2
3
4
5
JEFF3.3/TENDL
Ratio
0.8
0.9
1.0
2
3
4
5
6
7
8
9
10^8
2
94
Incident Energy (eV)
36-Kr-84


MAT 3643
(n,p) t:34-Se-81g
36-Kr-84
Radionuclide Production Cross Section 0.000 To 44.55 %
Min Ratio
TENDL Threshold 20.461 MeV
JEFF3.3 Threshold 20.494 MeV
Cross Section (10^{-9} barns)
16
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.4
1.2
1.0
20
40
60
80
100
120
140
160
180
200
95
Incident Energy (MeV)
36-Kr-84


MAT 3643
(n,p) t:34-Se-81m1
36-Kr-84
Radionuclide Production Cross Section
-35.05 To 41.96 %
Max
Ratio
TENDL Threshold 20.565 MeV
JEFF3.3 Threshold 20.599 MeV
Cross Section (10^{-9} barns)
35
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.6
1.2
0.8
20
40
60
80
100
120
140
160
180
200
96
Incident Energy (MeV)
36-Kr-84