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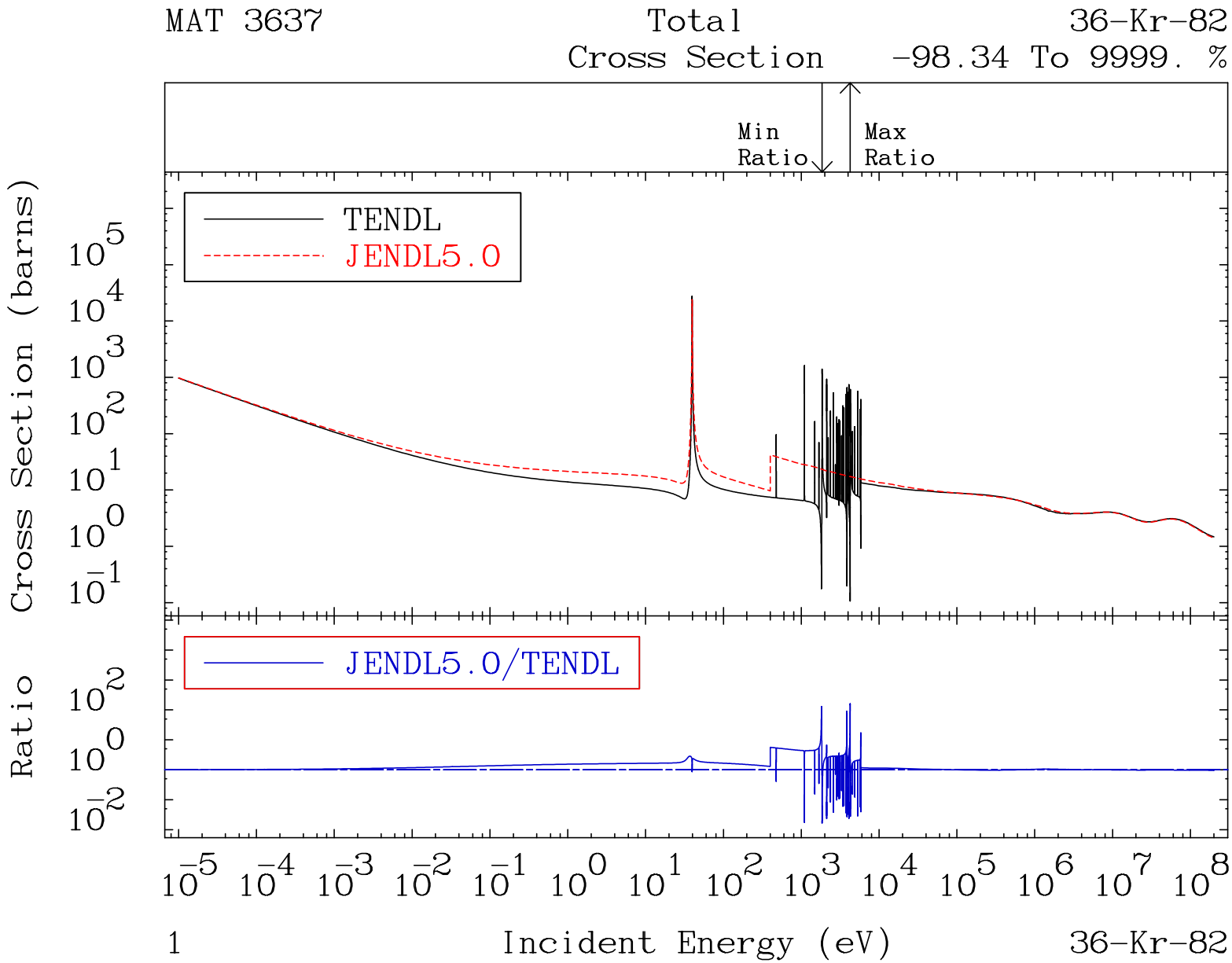
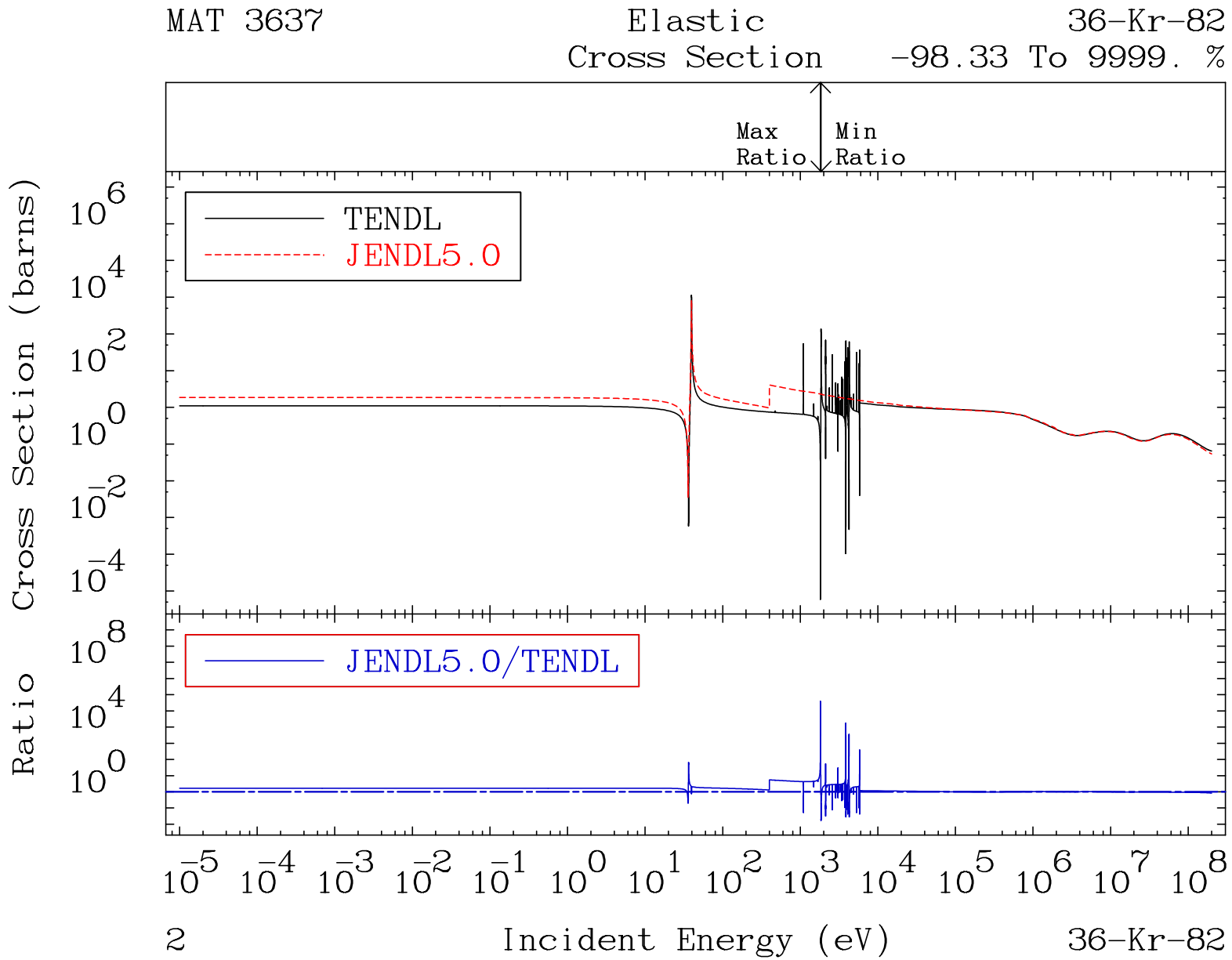
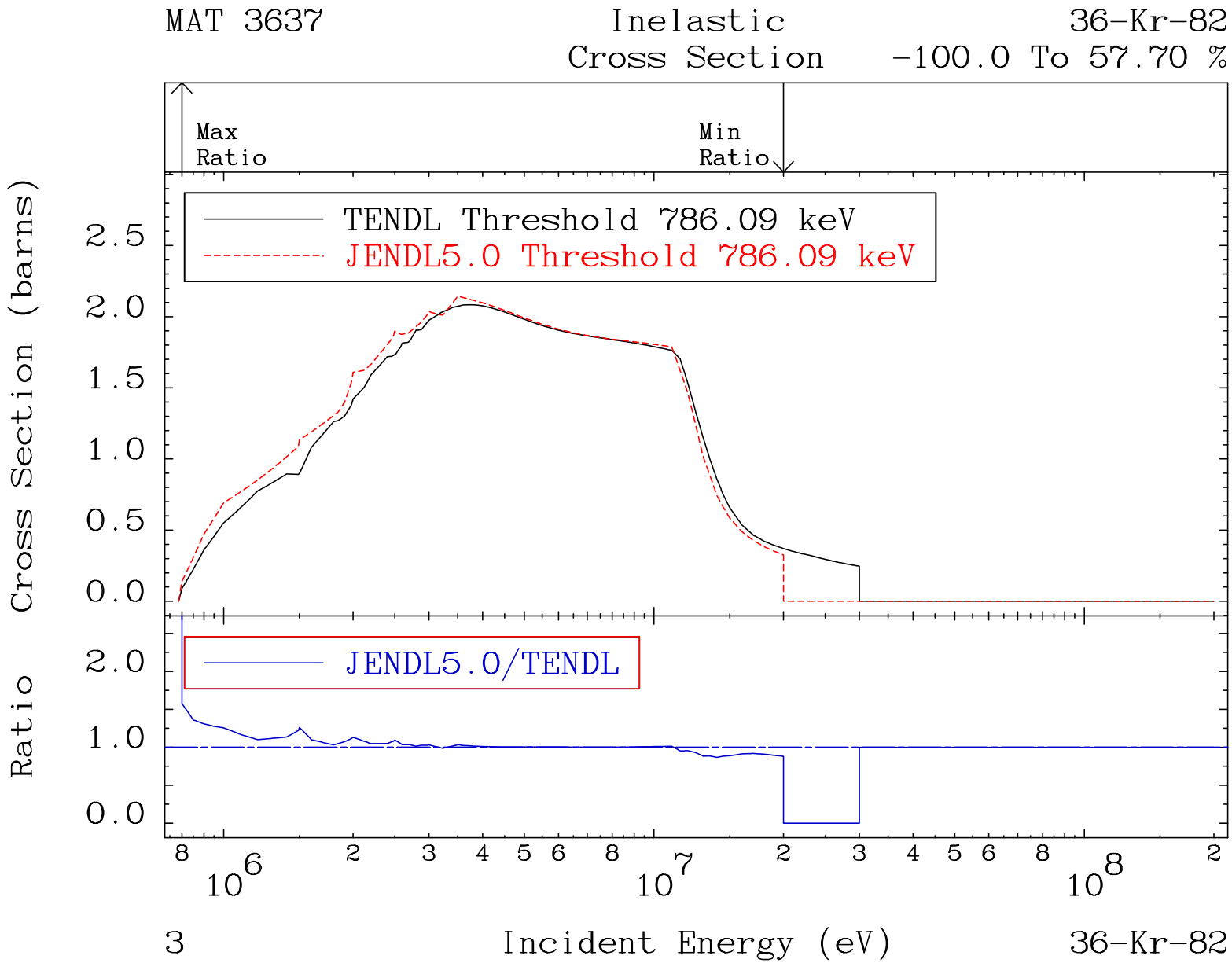
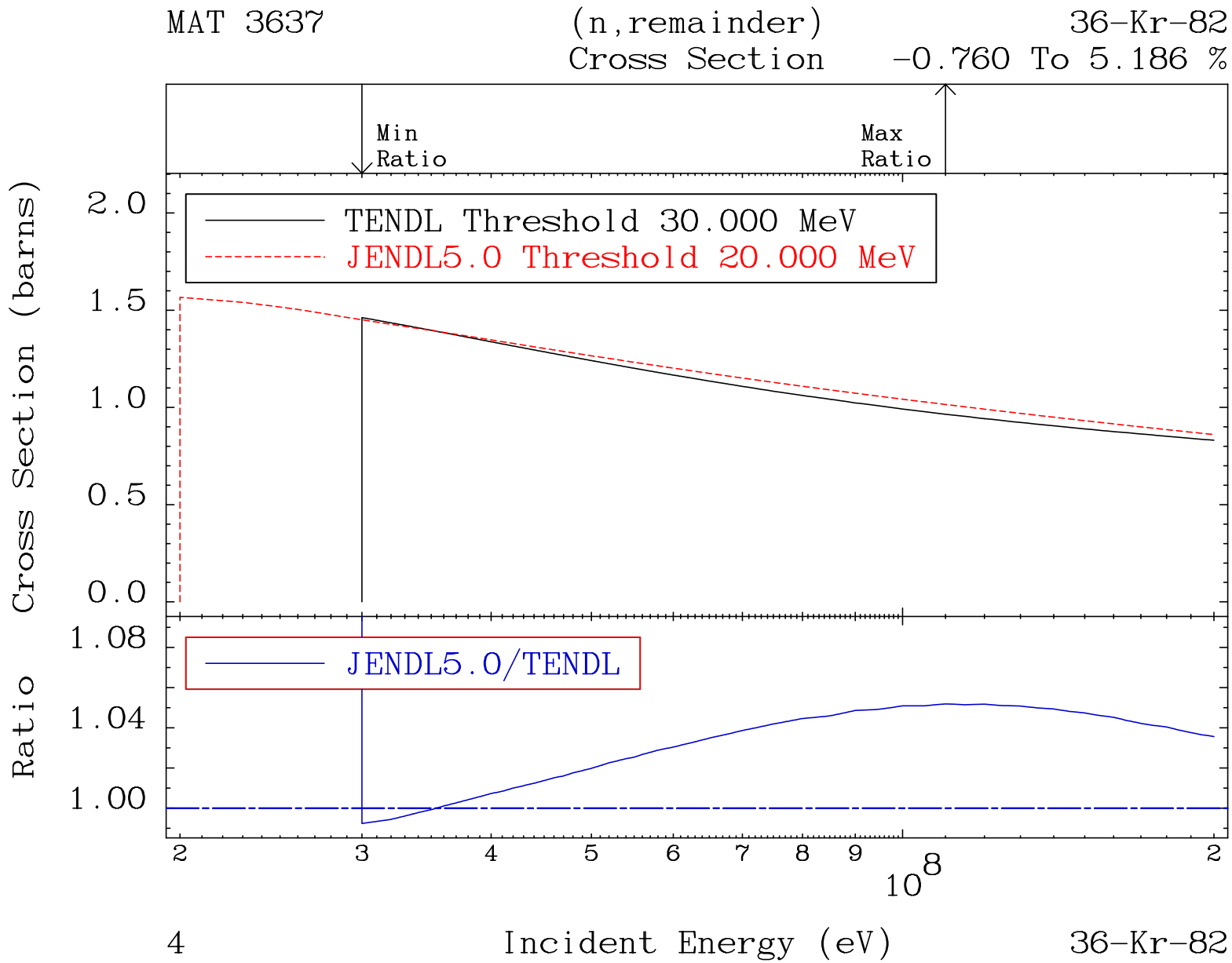
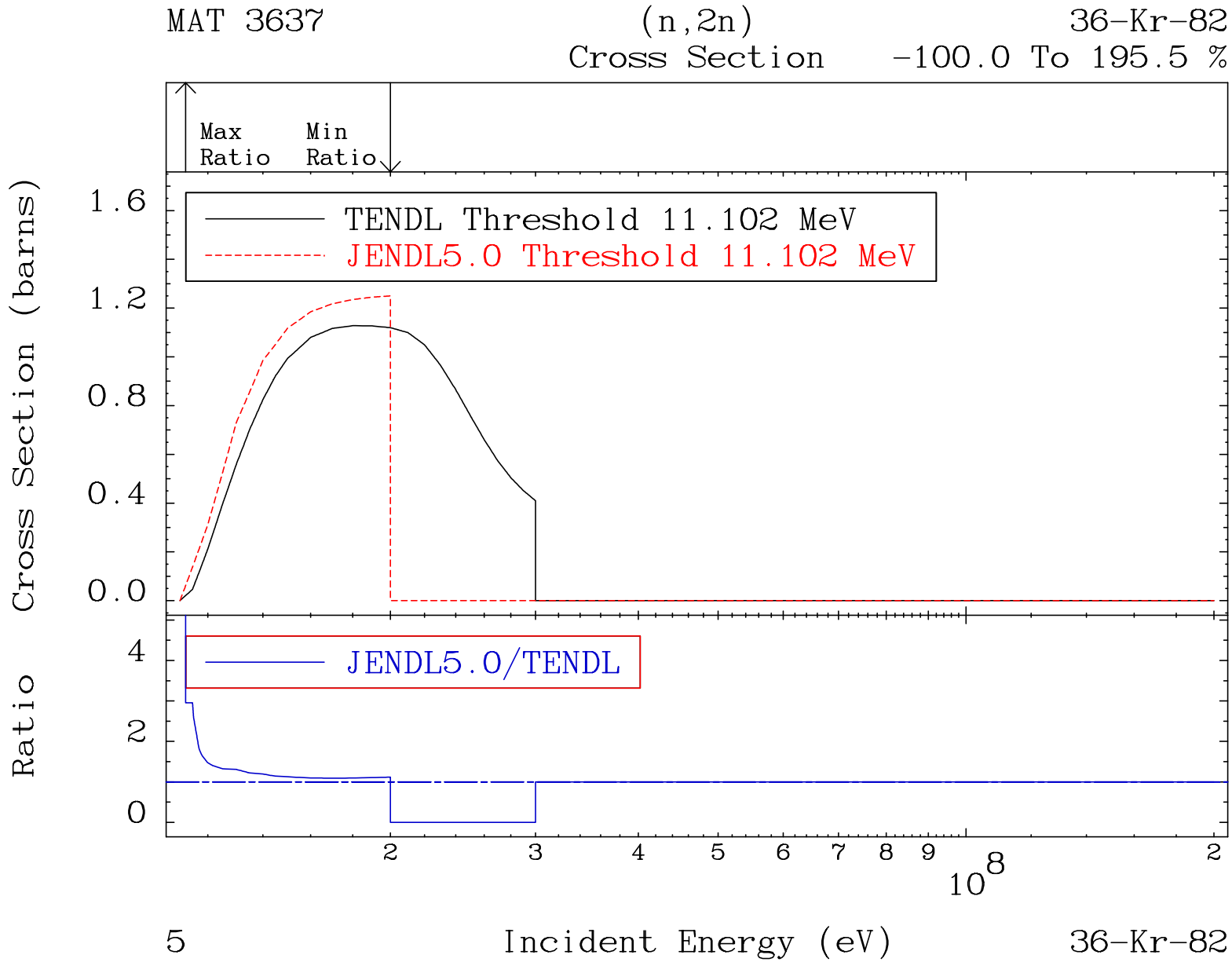
Press Mouse Button to Start

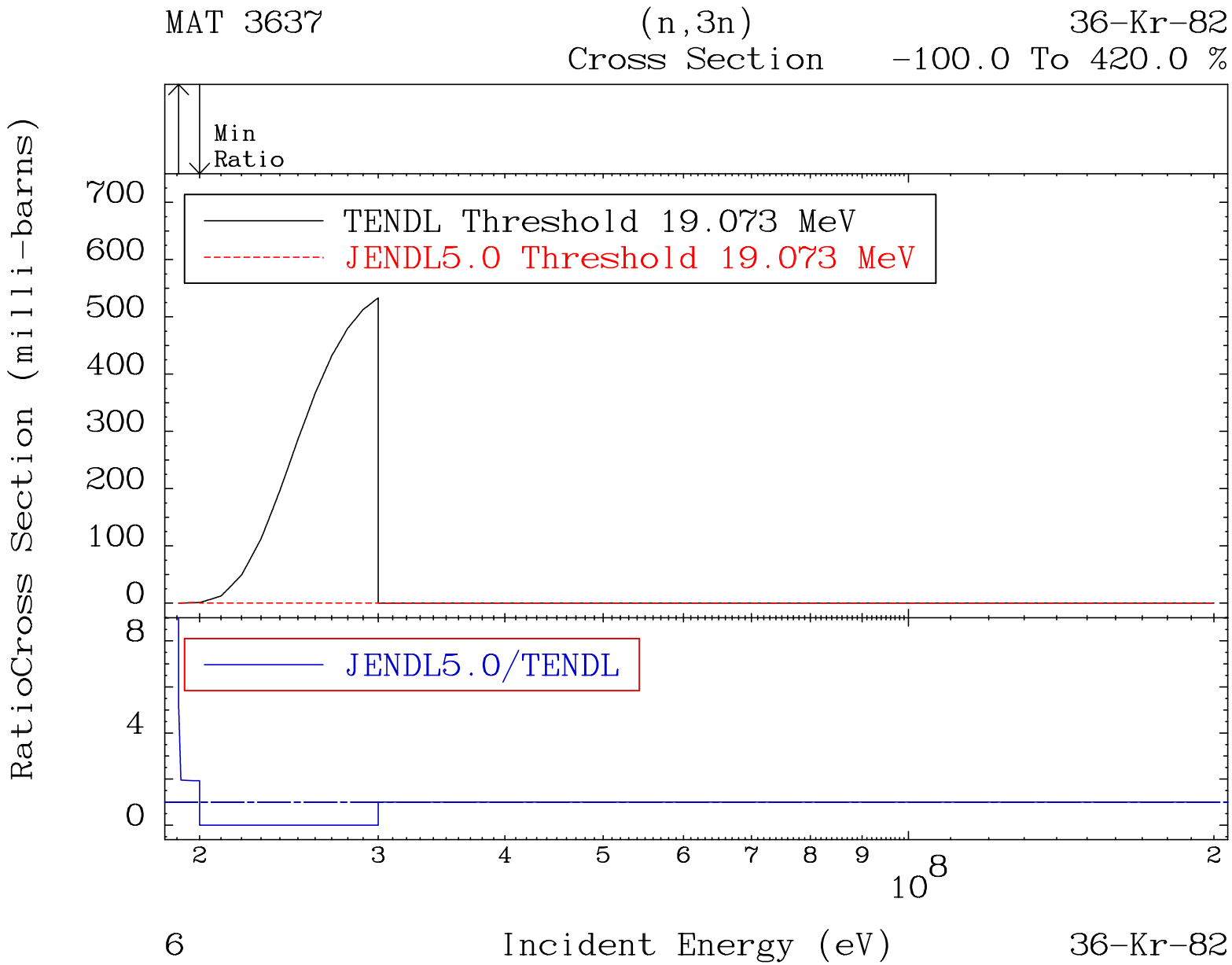

MAT 3637
Total
Cross Section
36-Kr-82
-98.34 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
1
36-Kr-82

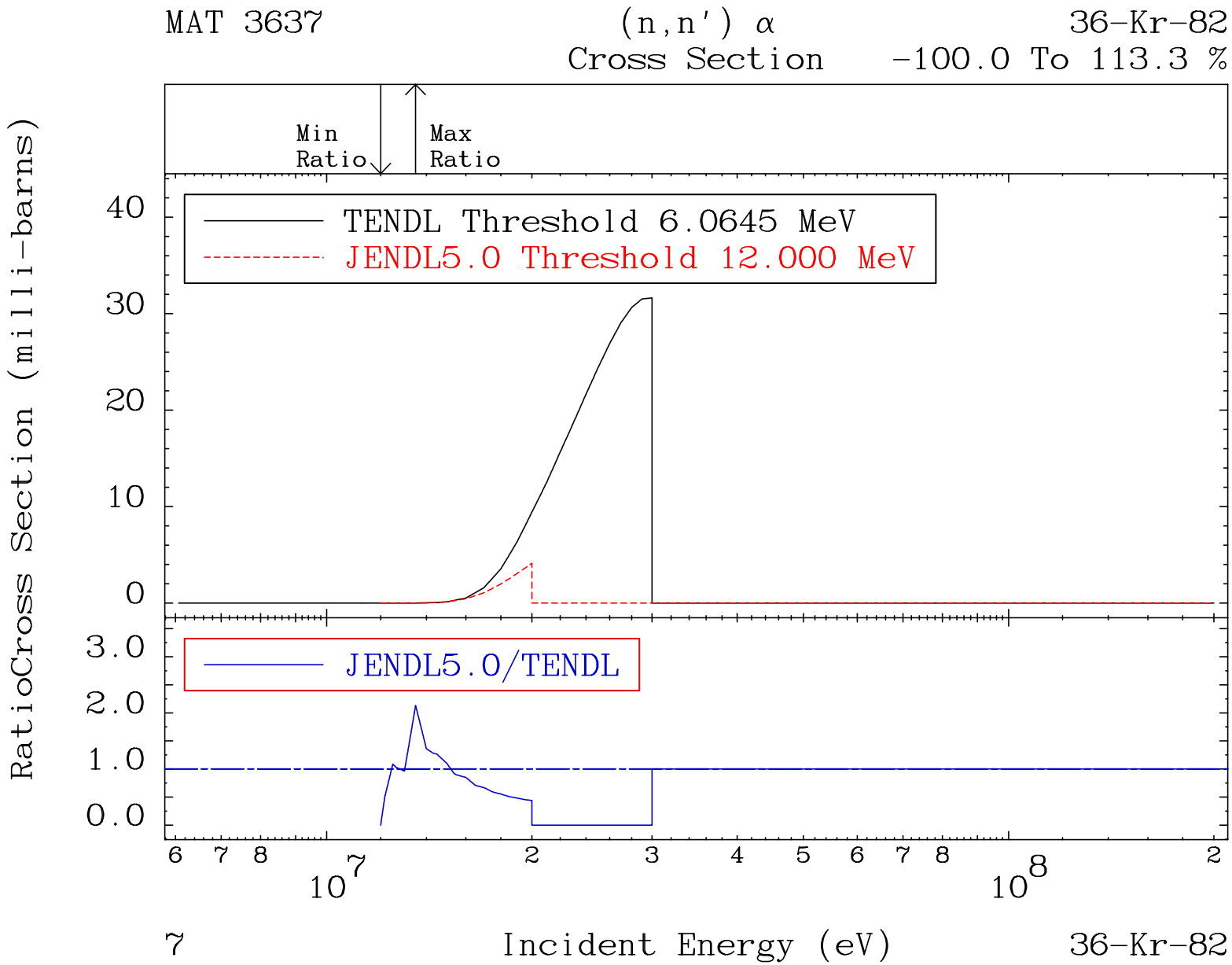

MAT 3637
Elastic
Cross Section
36-Kr-82
-98.33 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
36-Kr-82

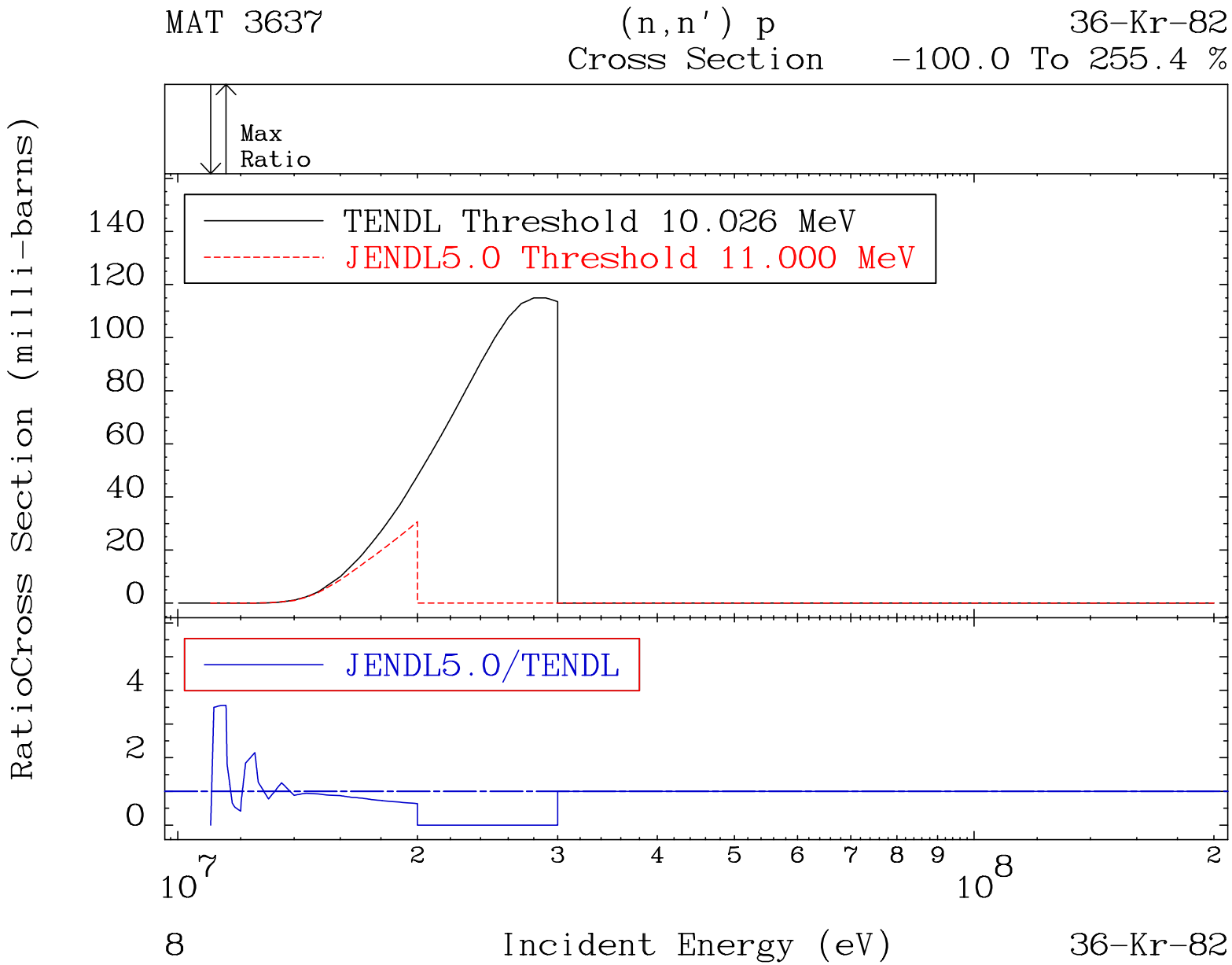

MAT 3637
Inelastic
Cross Section
36-Kr-82
-100.0 To 57.70 %
Max
Ratio
Min
Ratio
TENDL Threshold 786.09 keV
JENDL5.0 Threshold 786.09 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
2.0
1.0
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
3
Incident Energy (eV)
36-Kr-82

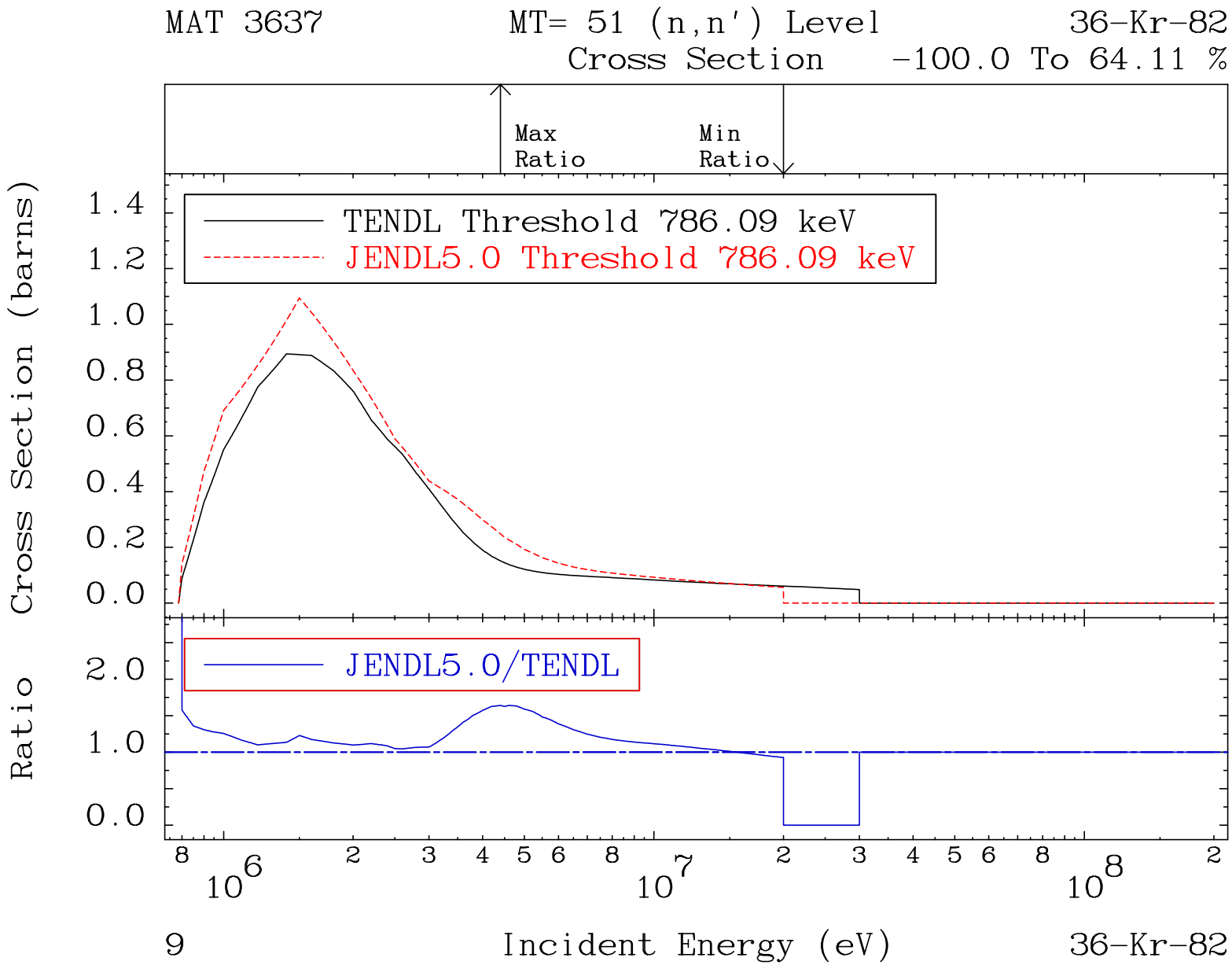

MAT 3637
(n,remainder)
Cross Section
36-Kr-82
-0.760 To 5.186 %
Min
Ratio
Max
Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.08
1.04
1.00
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
36-Kr-82

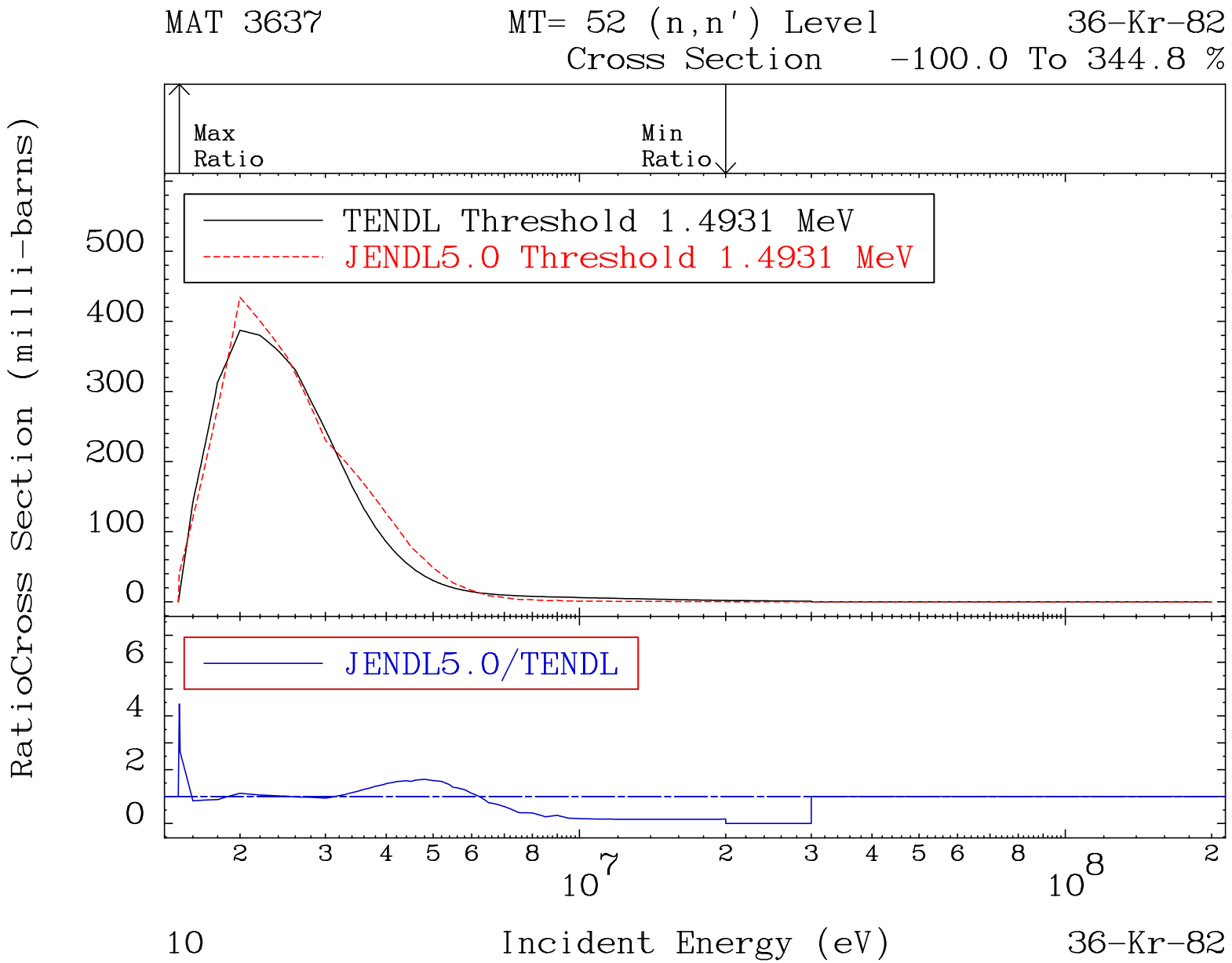

MAT 3637
(n,2n)
Cross Section
36-Kr-82
-100.0 To 195.5 %
Max Ratio
Min Ratio
TENDL Threshold 11.102 MeV
JENDL5.0 Threshold 11.102 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
36-Kr-82

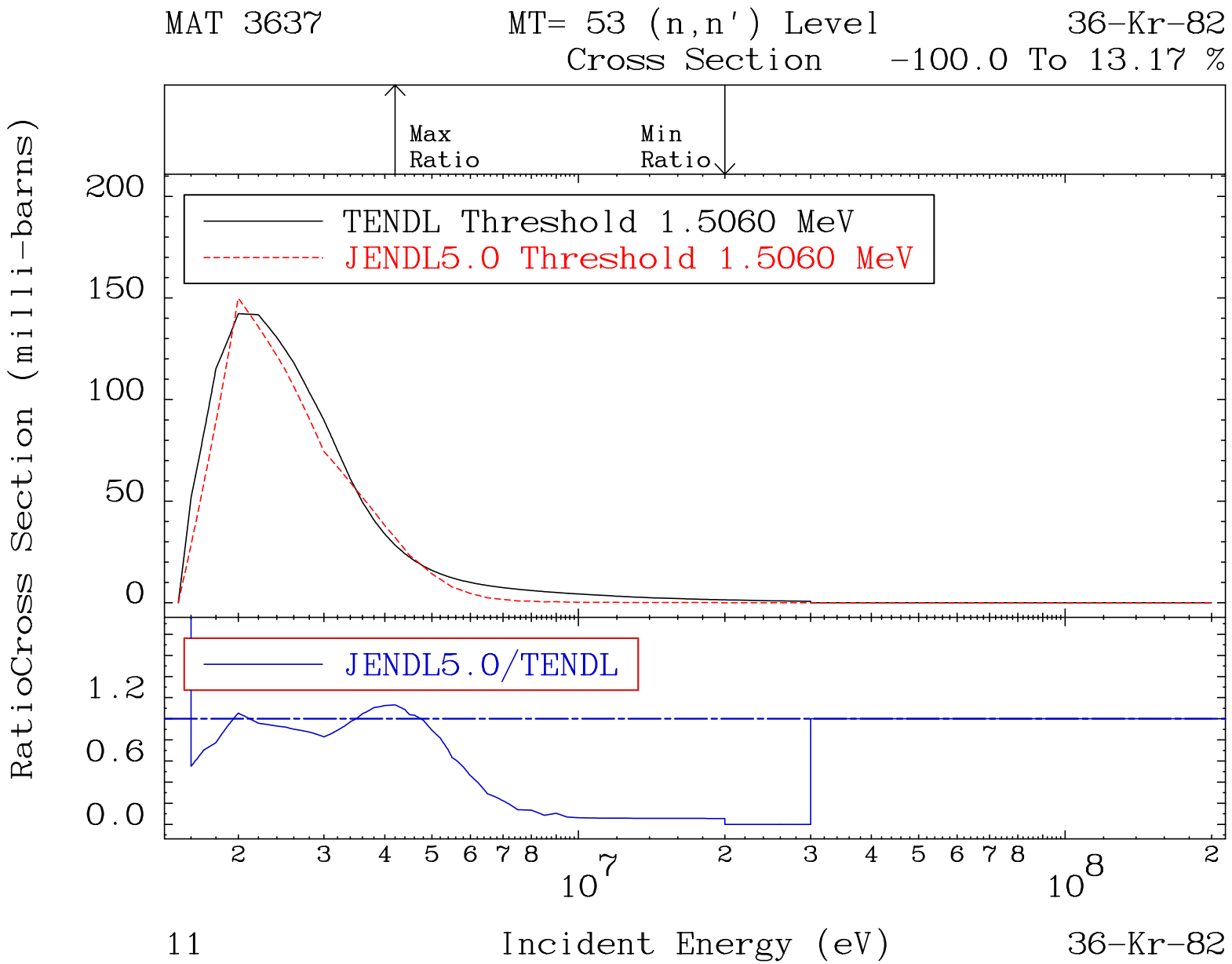

MAT 3637
(n,3n)
Cross Section
36-Kr-82
-100.0 To 420.0 %
Min
Ratio
TENDL Threshold 19.073 MeV
JENDL5.0 Threshold 19.073 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
700
600
500
400
300
200
100
0
8
4
0
2
3
4
5
6
7
8
9
2
10^8
6
Incident Energy (eV)
36-Kr-82

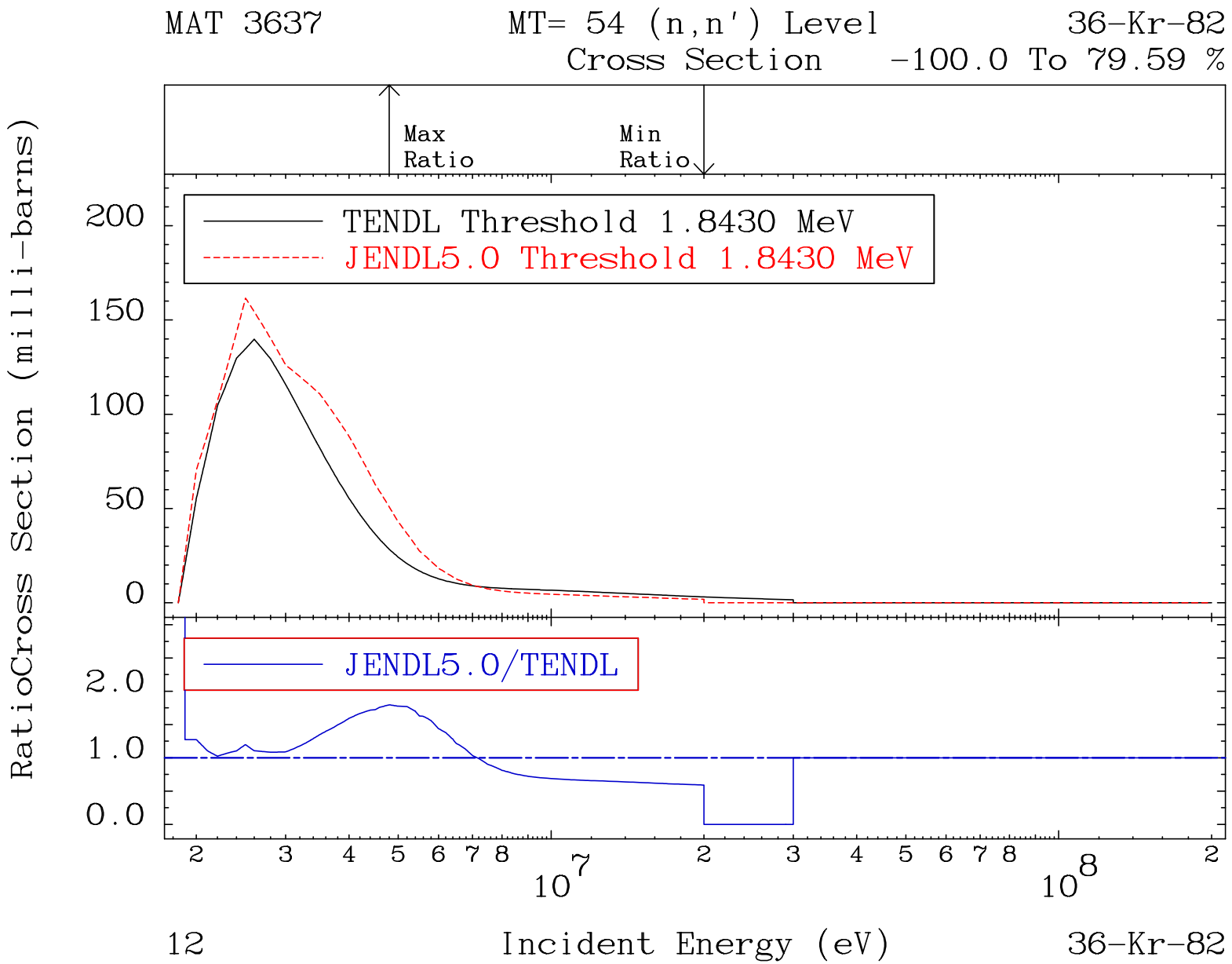

MAT 3637
(n,n') α
Cross Section
36-Kr-82
-100.0 To 113.3 %
Min Ratio
Max Ratio
TENDL Threshold 6.0645 MeV
JENDL5.0 Threshold 12.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
3.0
2.0
1.0
0.0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
7
Incident Energy (eV)
36-Kr-82

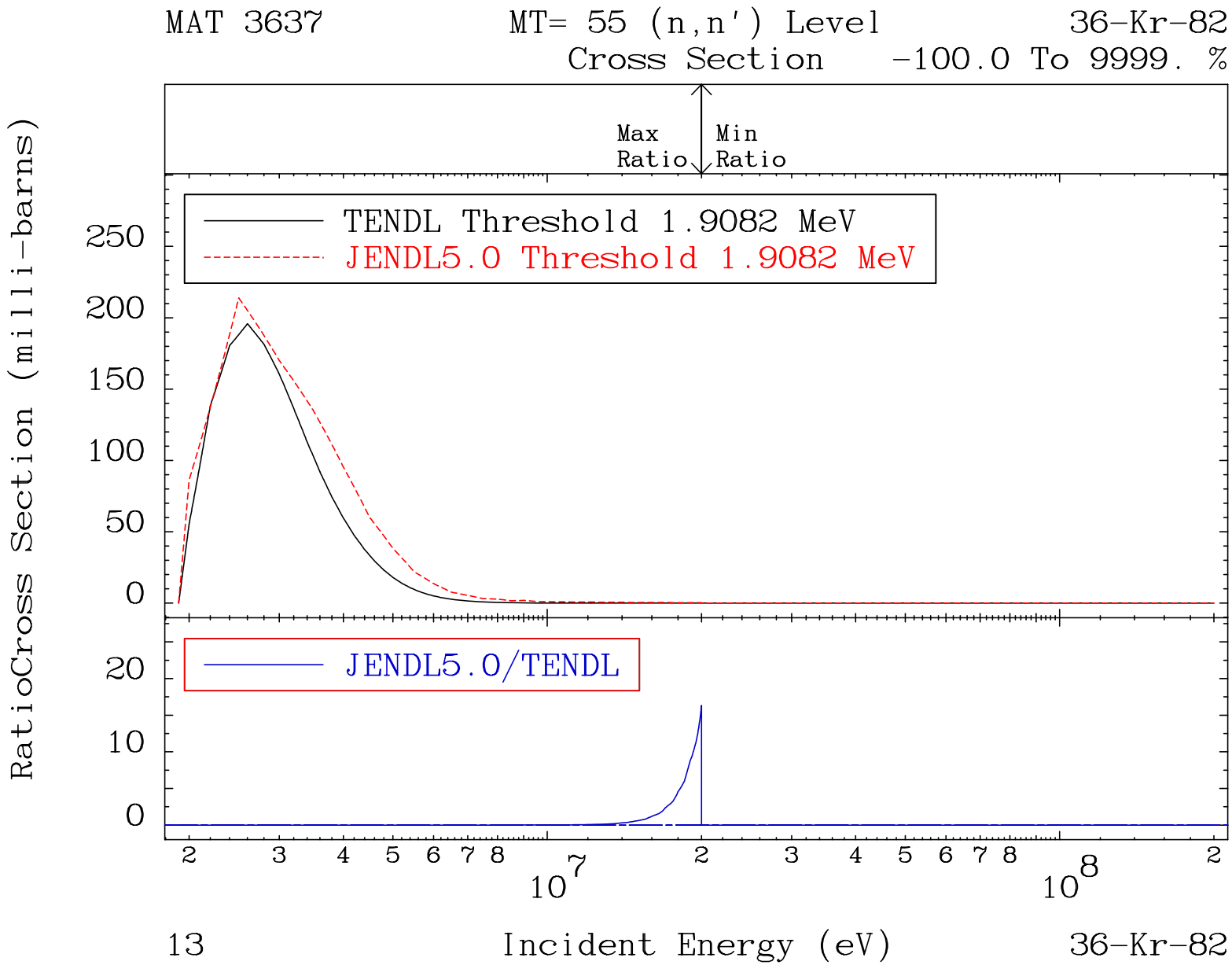

MAT 3637
(n,n') p
Cross Section
36-Kr-82
-100.0 To 255.4 %
Max
Ratio
TENDL Threshold 10.026 MeV
JENDL5.0 Threshold 11.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
4
2
0
10^7
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
36-Kr-82

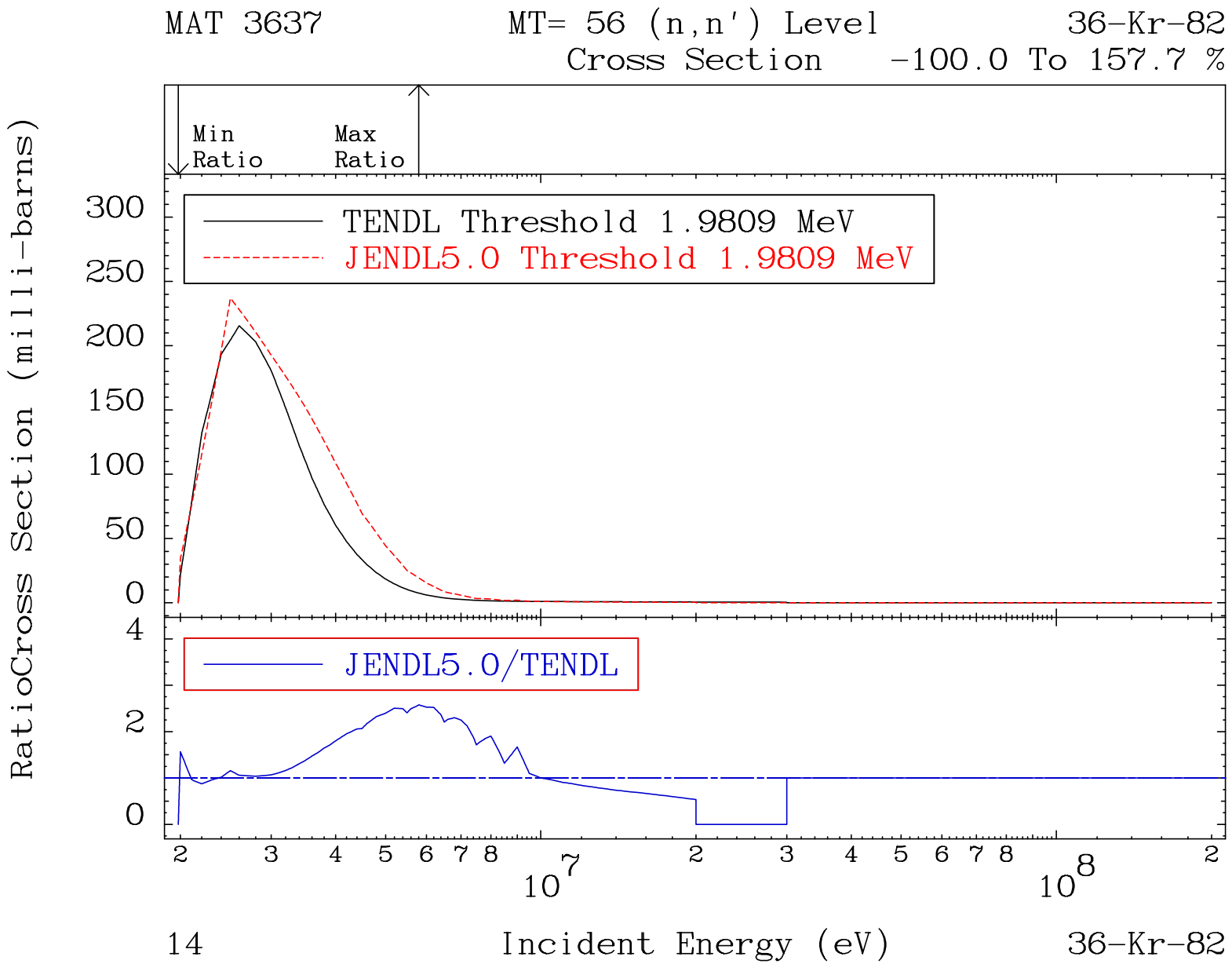

MAT 3637
MT= 51 (n,n') Level
36-Kr-82
Cross Section
-100.0 To 64.11 %
Max Ratio
Min Ratio
TENDL Threshold 786.09 keV
JENDL5.0 Threshold 786.09 keV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
2.0
1.0
0.0
8
2
3
4
5
6
8
2
3
4
5
6
8
2
10^6
10^7
10^8
9
Incident Energy (eV)
36-Kr-82

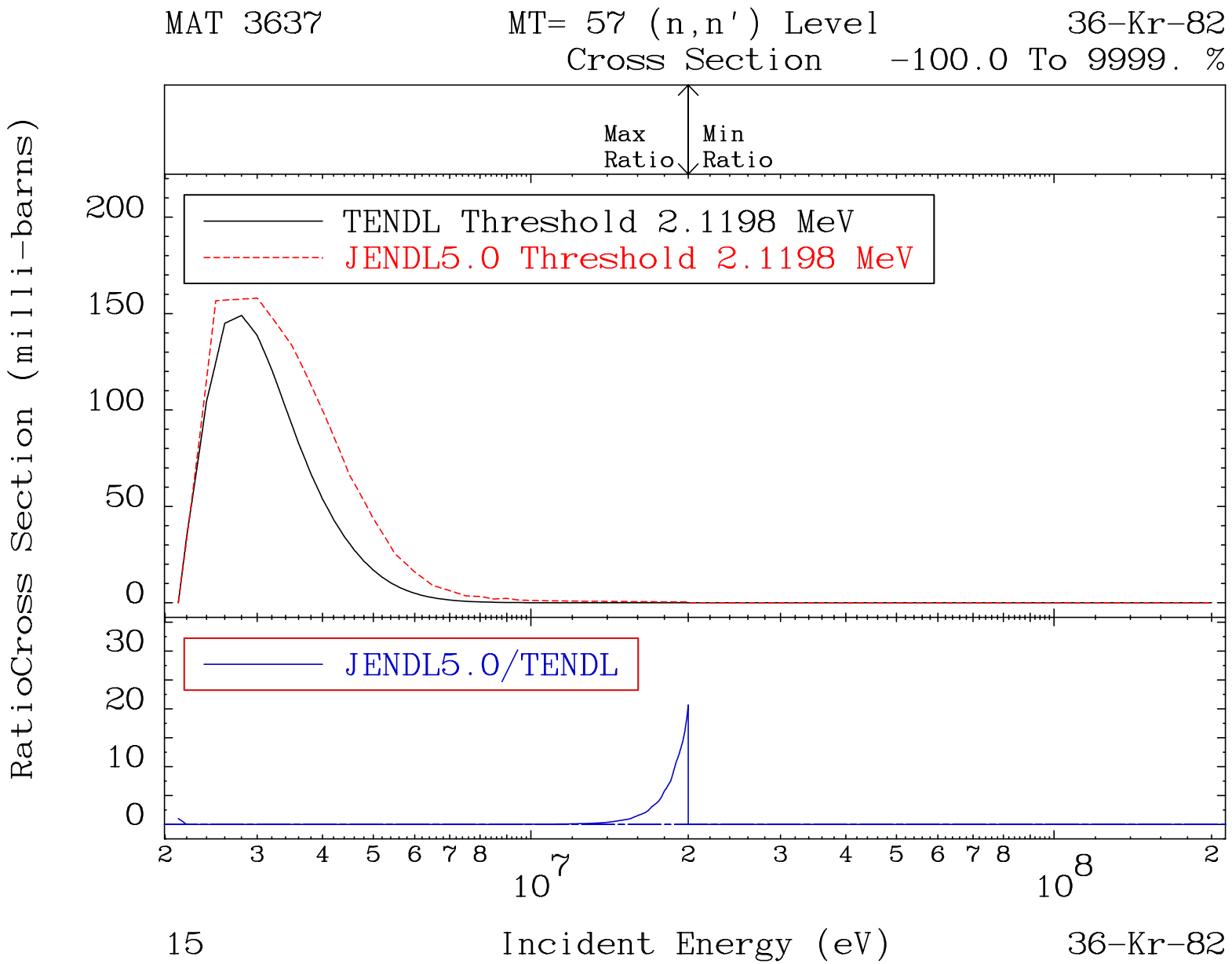

MAT 3637
MT= 52 (n,n') Level
36-Kr-82
Cross Section
-100.0 To 344.8 %
Max Ratio
Min Ratio
TENDL Threshold 1.4931 MeV
JENDL5.0 Threshold 1.4931 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
6
4
2
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
10
Incident Energy (eV)
36-Kr-82

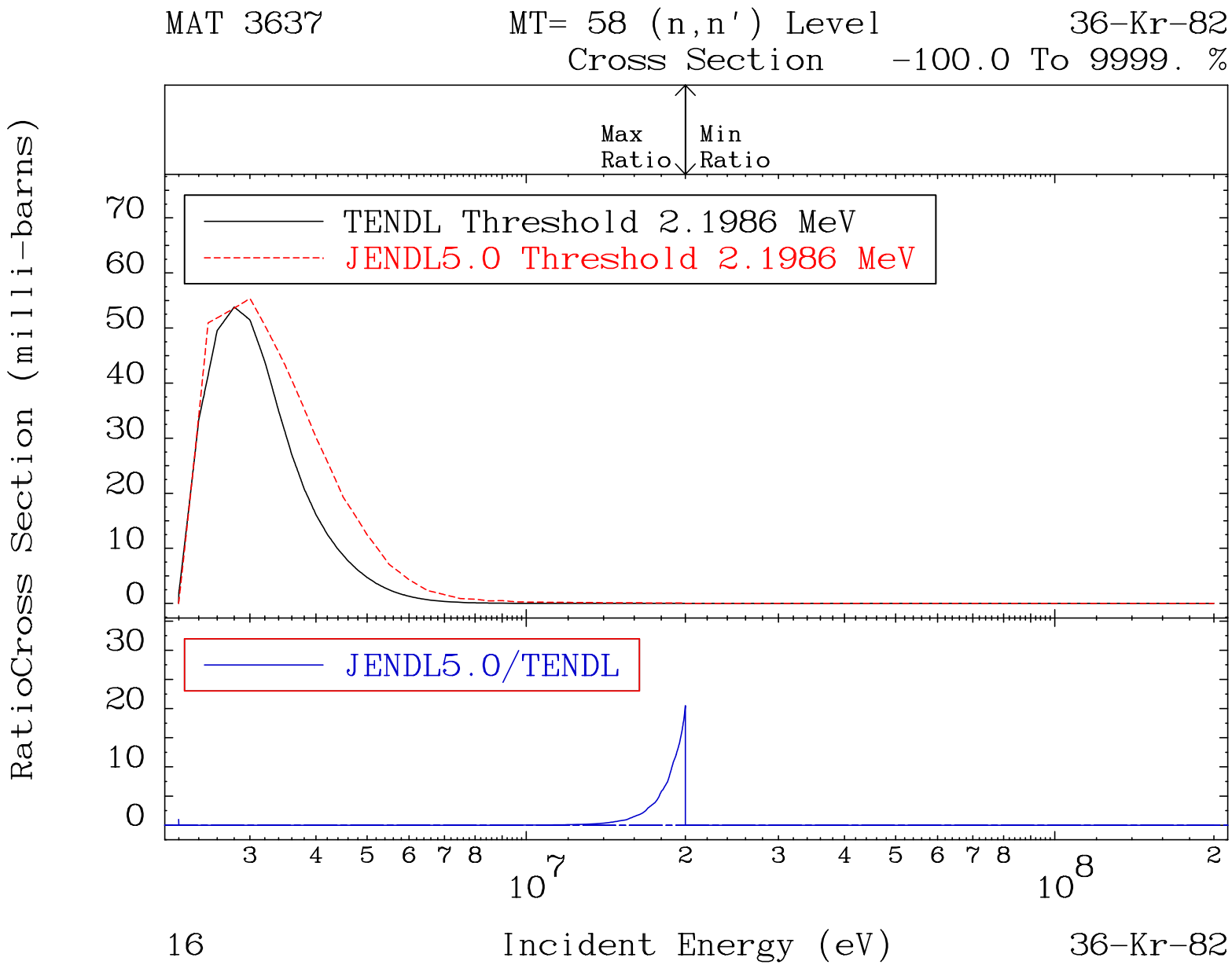

MAT 3637
MT= 53 (n,n') Level
36-Kr-82
Cross Section -100.0 To 13.17 %
Max Ratio
Min Ratio
TENDL Threshold 1.5060 MeV
JENDL5.0 Threshold 1.5060 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
11
Incident Energy (eV)
36-Kr-82

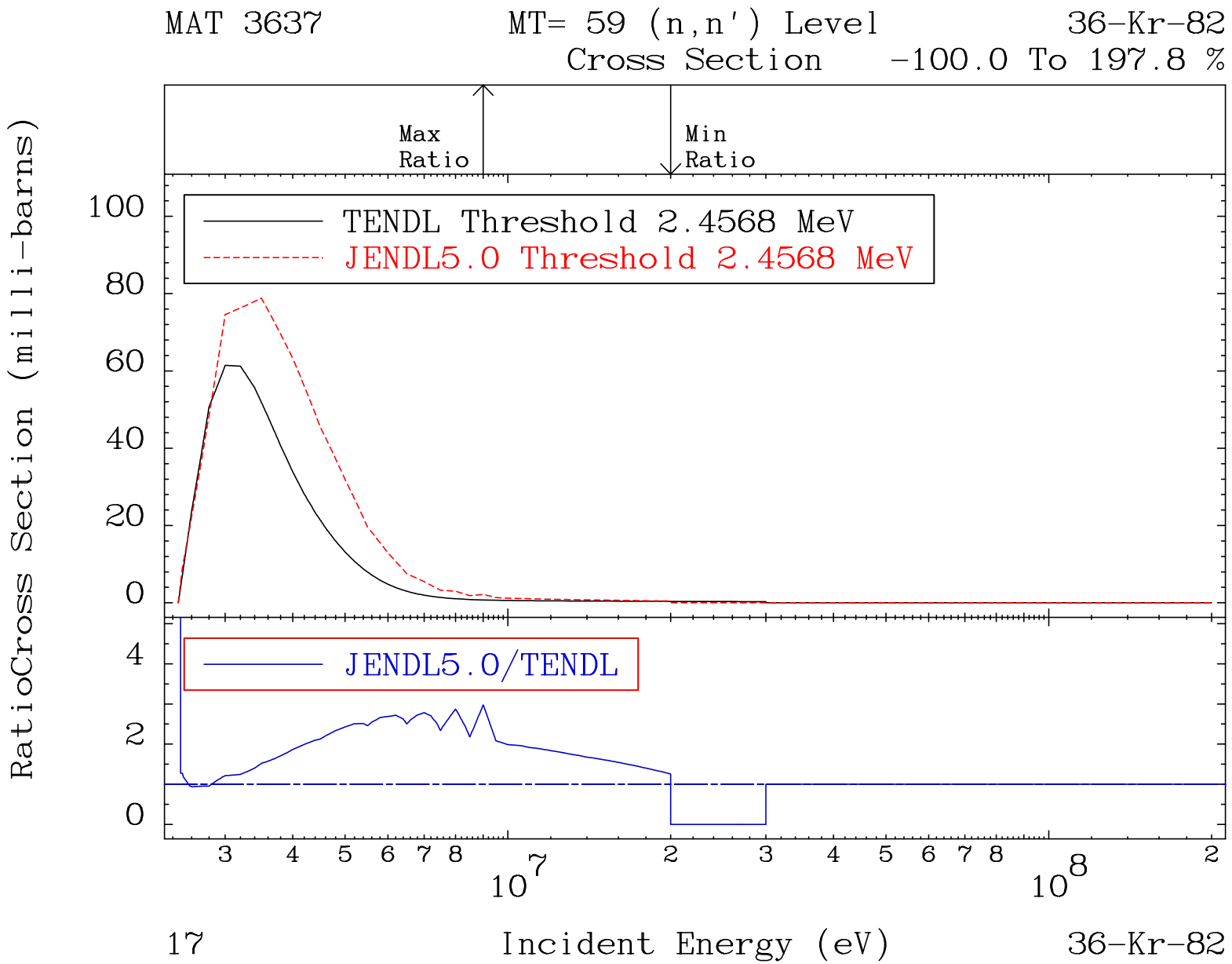

MAT 3637
MT= 54 (n,n') Level
36-Kr-82
Cross Section -100.0 To 79.59 %
Max Ratio
Min Ratio
TENDL Threshold 1.8430 MeV
JENDL5.0 Threshold 1.8430 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
36-Kr-82

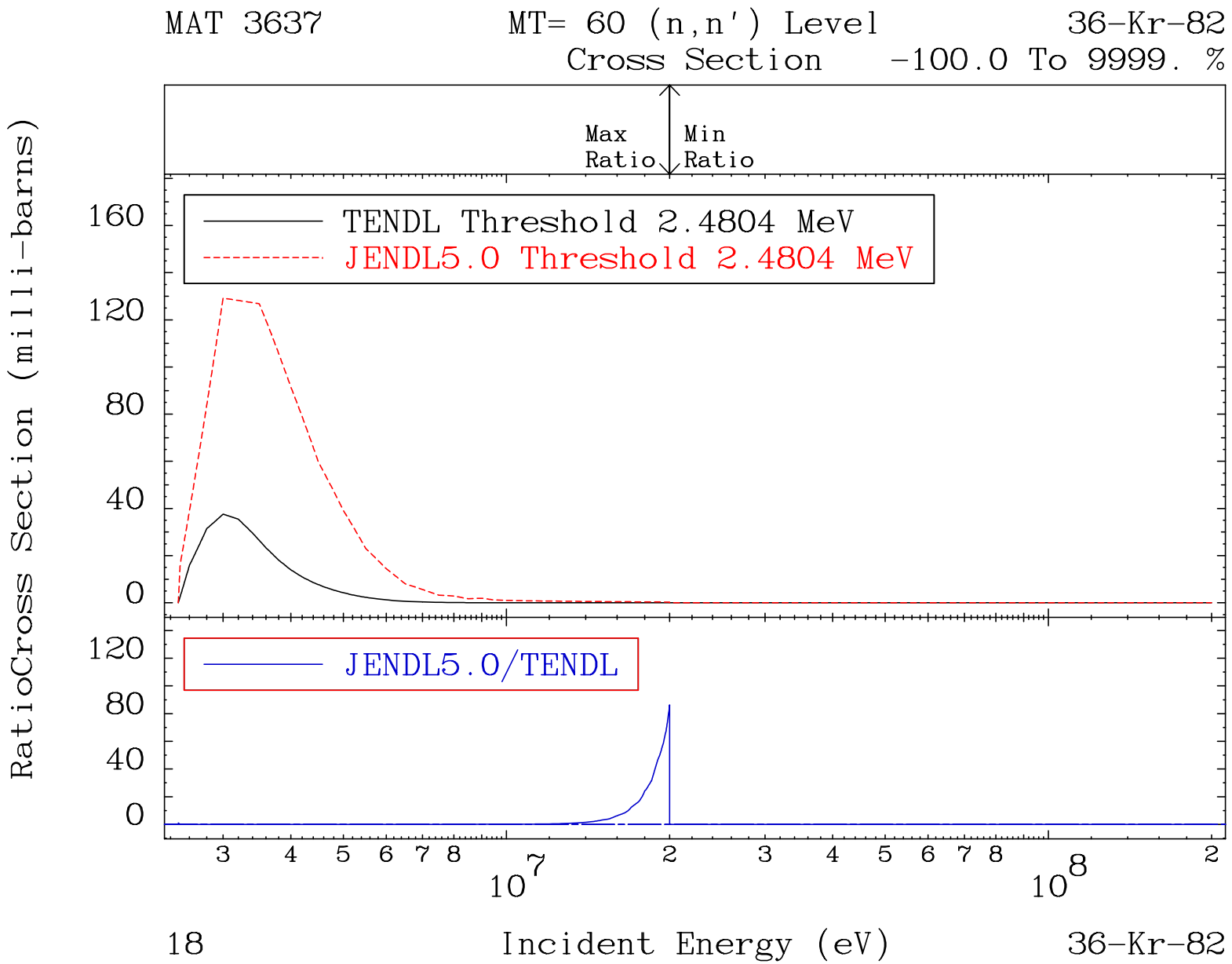

MAT 3637
MT= 55 (n,n') Level
36-Kr-82
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.9082 MeV
JENDL5.0 Threshold 1.9082 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
20
10
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
36-Kr-82

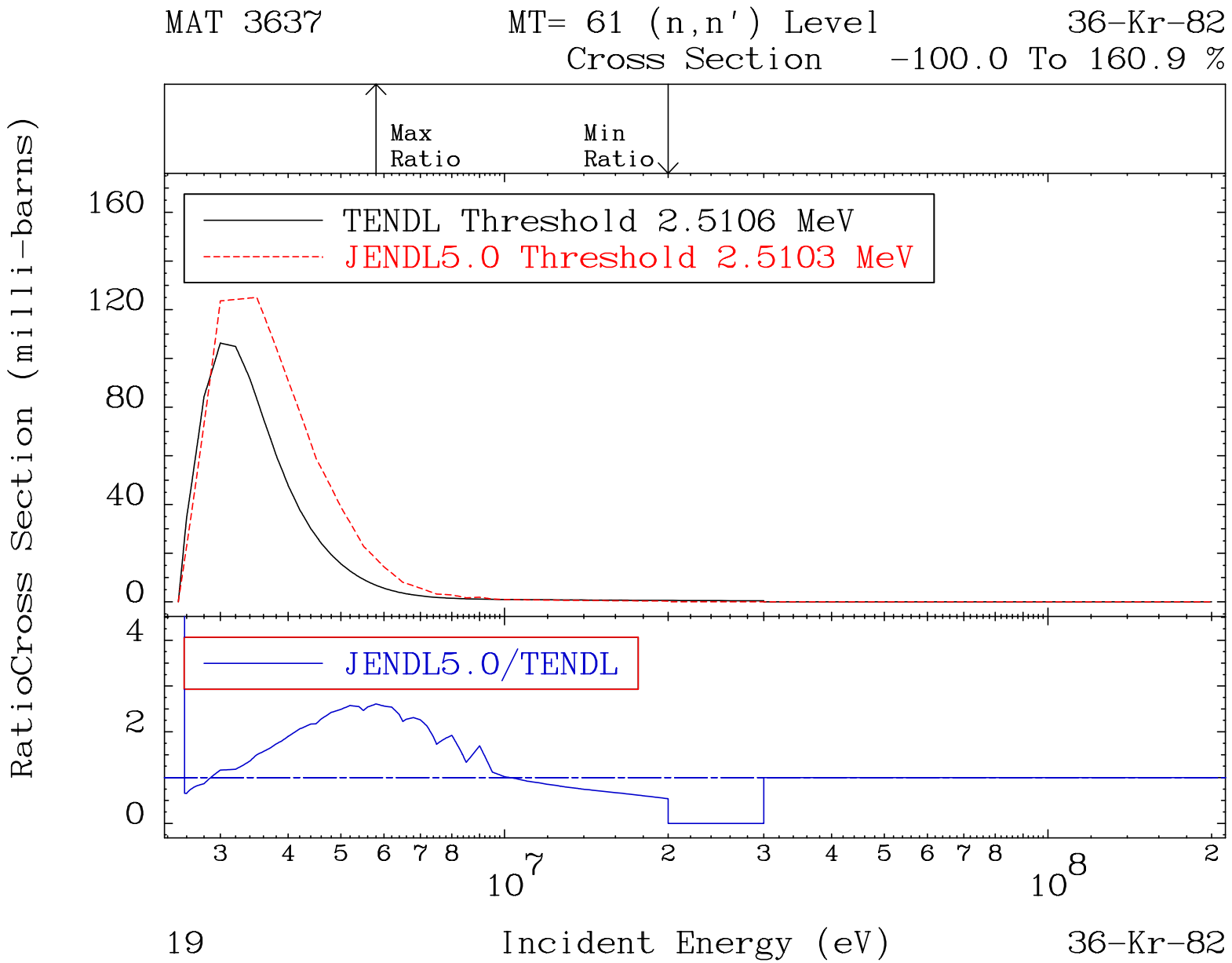

MAT 3637
MT= 56 (n,n') Level
36-Kr-82
Cross Section -100.0 To 157.7 %
Min Ratio
Max Ratio
TENDL Threshold 1.9809 MeV
JENDL5.0 Threshold 1.9809 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
4
2
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
36-Kr-82

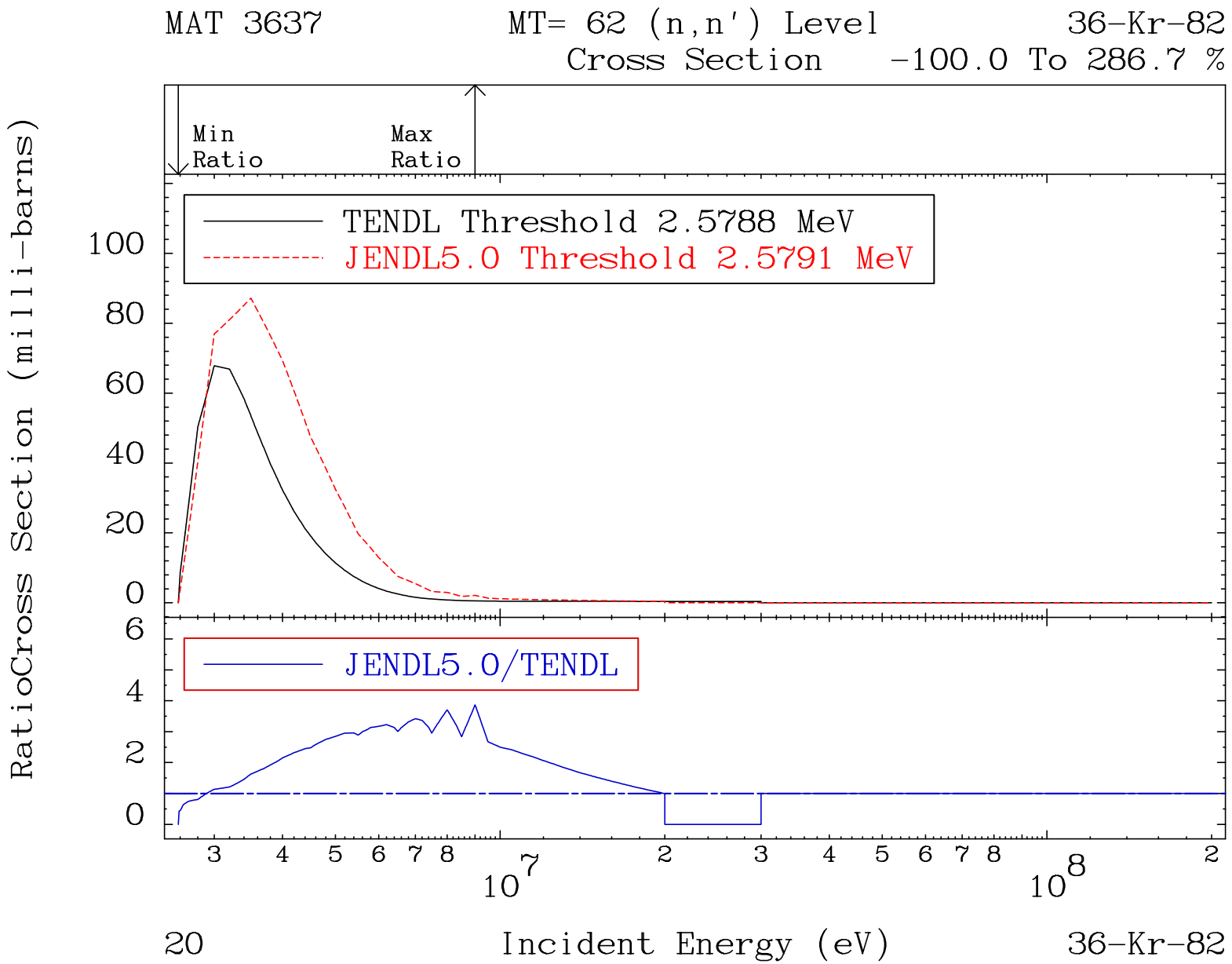

MAT 3637
MT= 57 (n,n') Level
36-Kr-82
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.1198 MeV
JENDL5.0 Threshold 2.1198 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
30
20
10
0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
15
Incident Energy (eV)
36-Kr-82

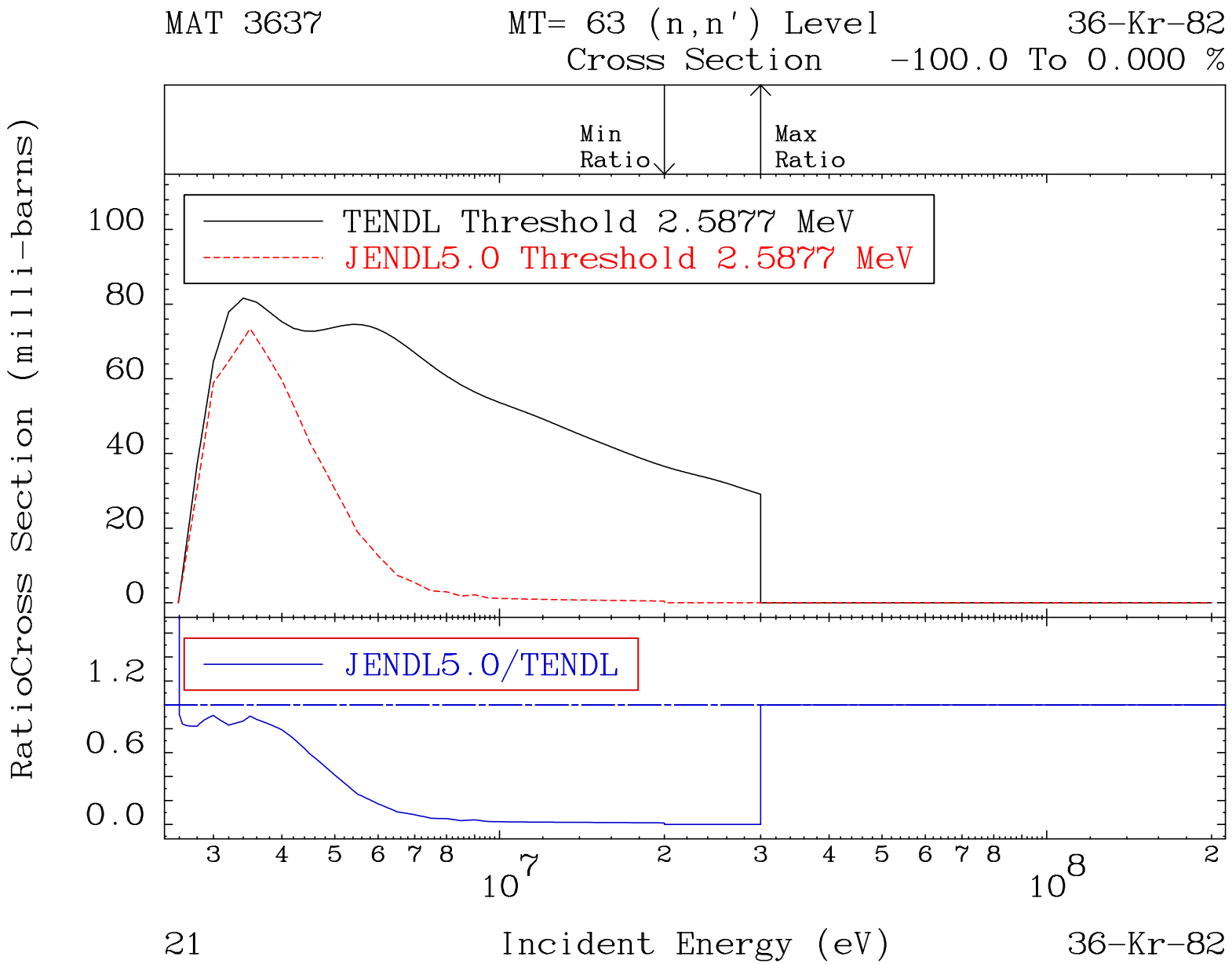

MAT 3637
MT= 58 (n,n') Level
36-Kr-82
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.1986 MeV
JENDL5.0 Threshold 2.1986 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
16
36-Kr-82

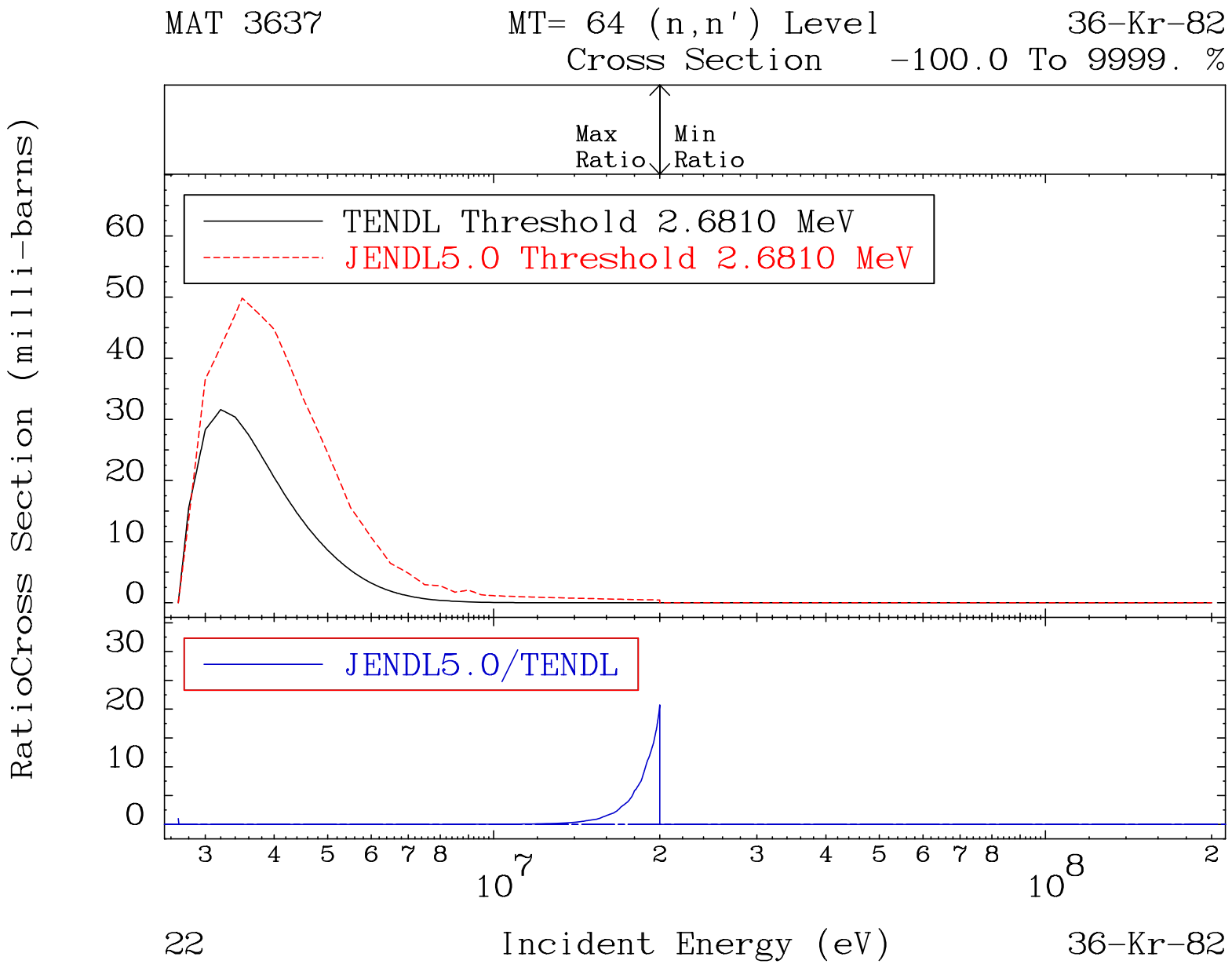

MAT 3637
MT= 59 (n,n') Level
36-Kr-82
Cross Section
-100.0 To 197.8 %
Max Ratio
Min Ratio
TENDL Threshold 2.4568 MeV
JENDL5.0 Threshold 2.4568 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
4
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
36-Kr-82

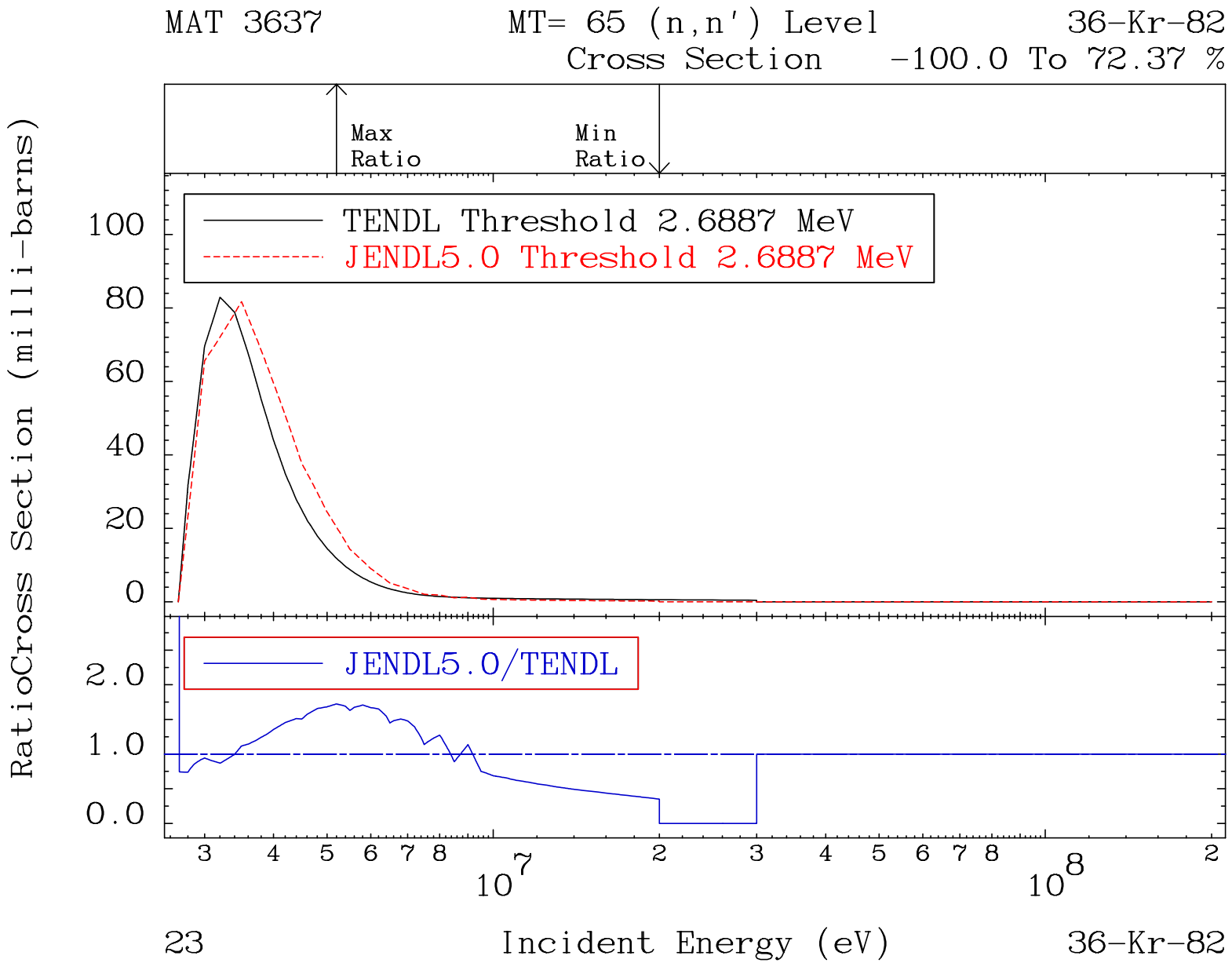

MAT 3637
MT= 60 (n,n') Level
36-Kr-82
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.4804 MeV
JENDL5.0 Threshold 2.4804 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
120
80
40
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
36-Kr-82

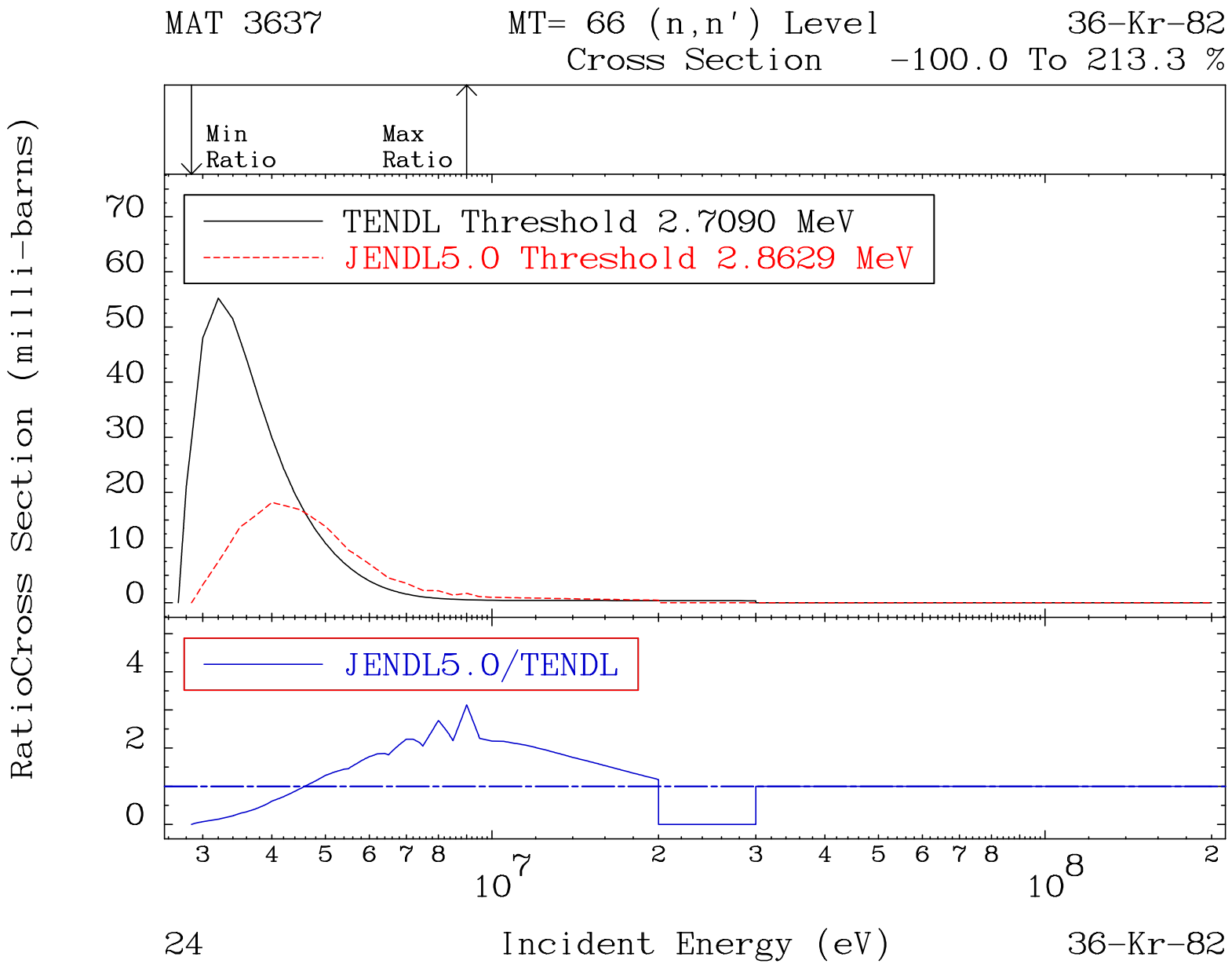

MAT 3637
MT= 61 (n,n') Level
36-Kr-82
Cross Section -100.0 To 160.9 %
Max Ratio
Min Ratio
TENDL Threshold 2.5106 MeV
JENDL5.0 Threshold 2.5103 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
4
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
19
Incident Energy (eV)
36-Kr-82

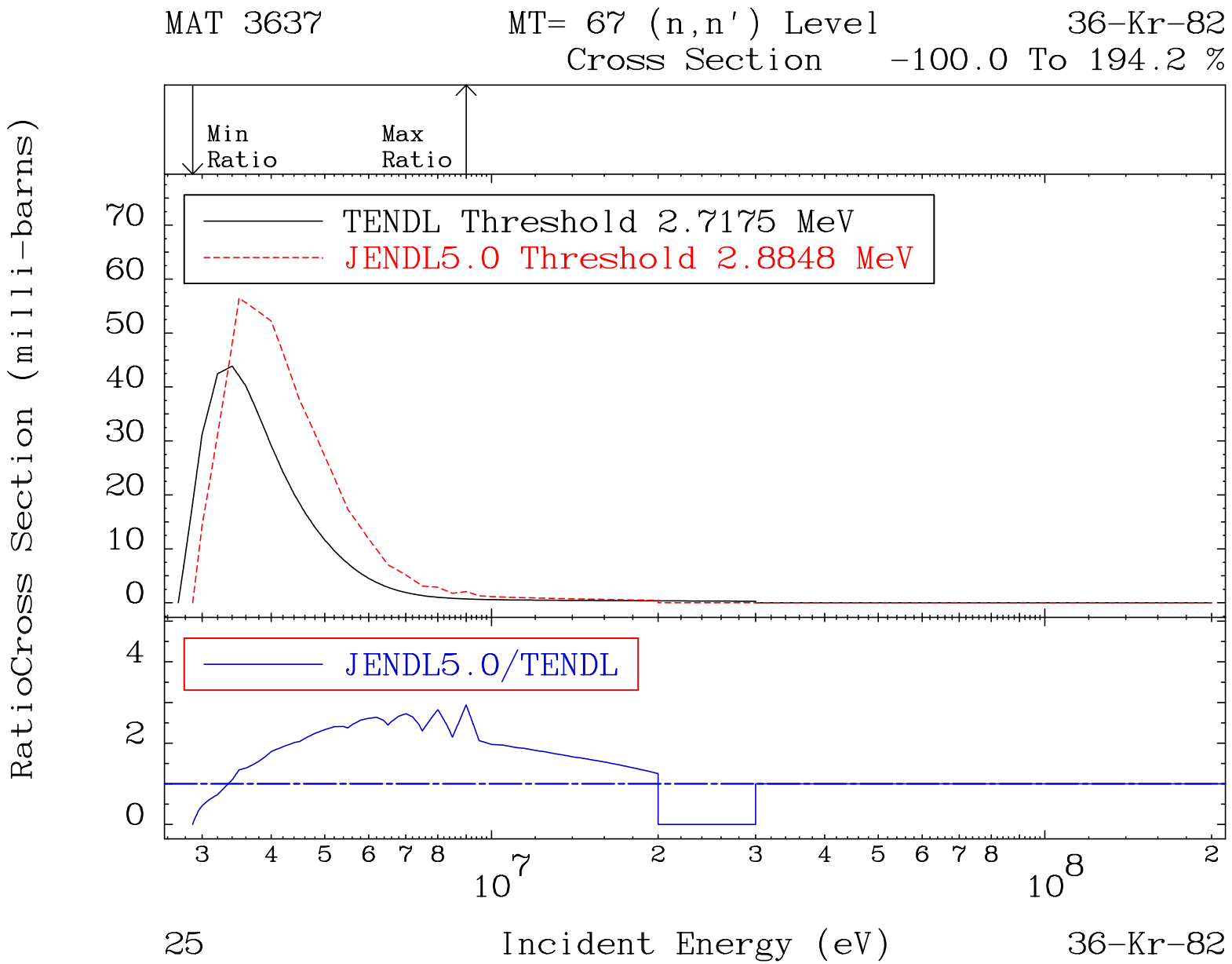

MAT 3637
MT= 62 (n,n') Level
36-Kr-82
Cross Section
-100.0 To 286.7 %
Min Ratio
Max Ratio
TENDL Threshold 2.5788 MeV
JENDL5.0 Threshold 2.5791 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
6
4
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
20
Incident Energy (eV)
36-Kr-82

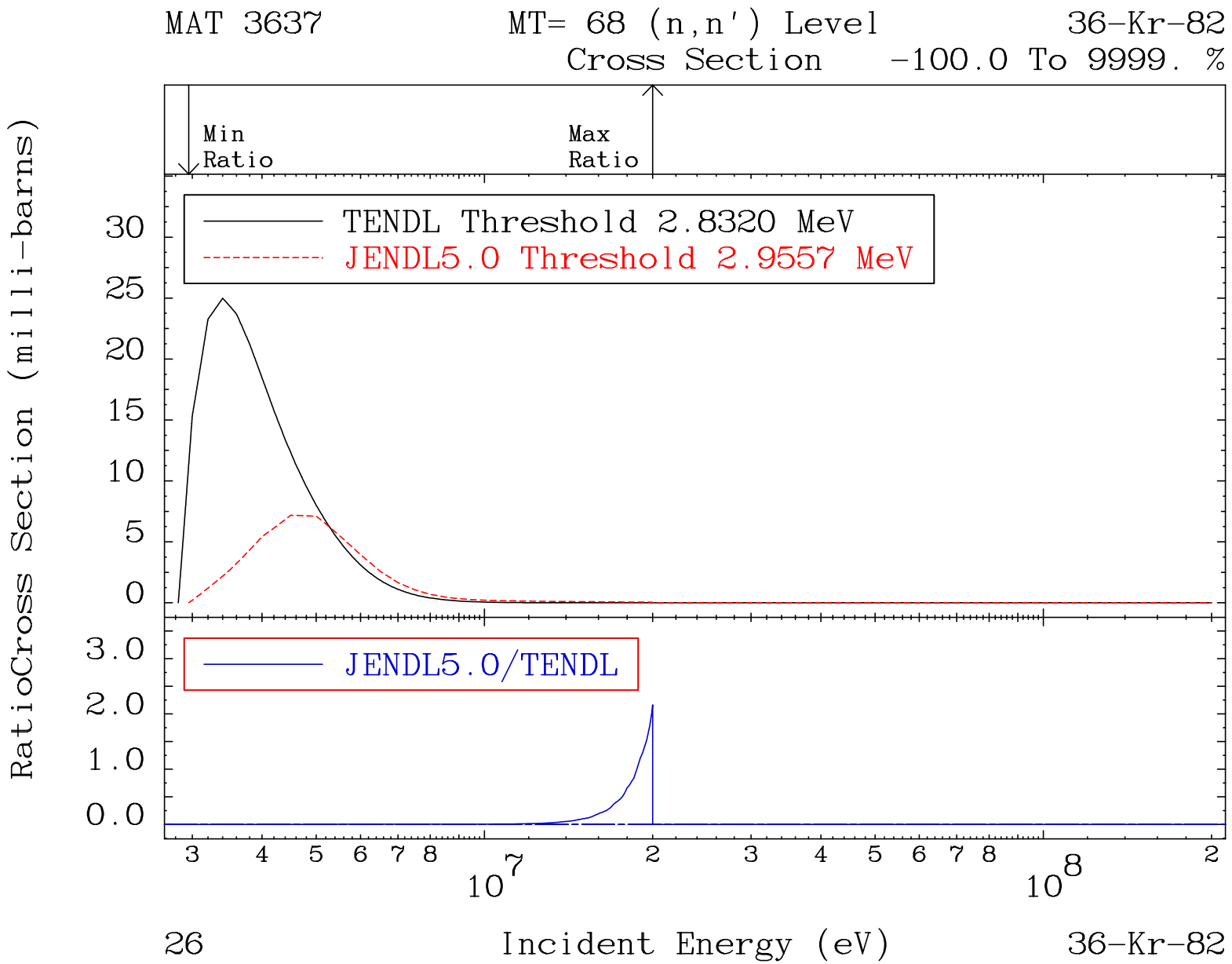

MAT 3637
MT= 63 (n,n') Level
36-Kr-82
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.5877 MeV
JENDL5.0 Threshold 2.5877 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
21
Incident Energy (eV)
36-Kr-82

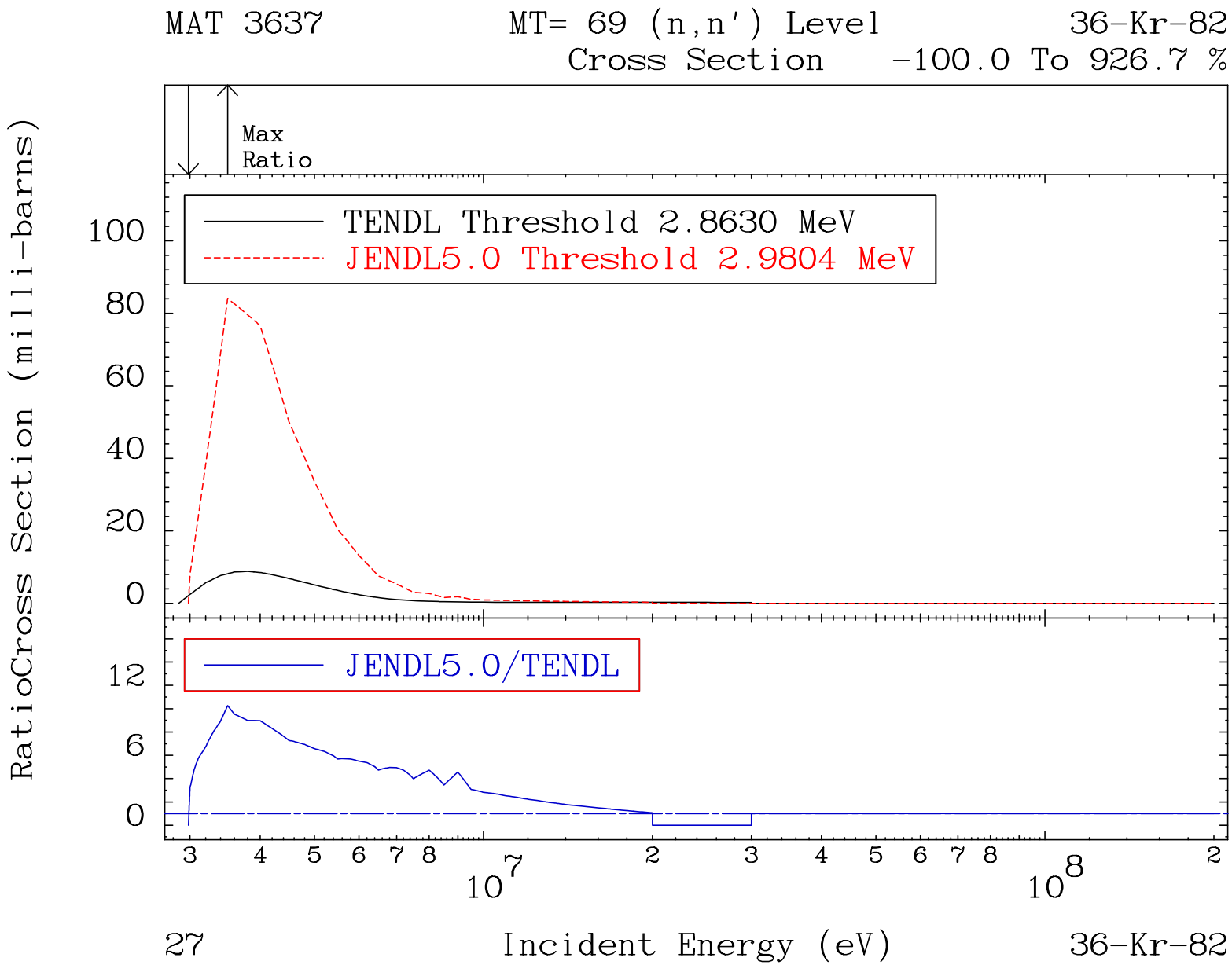

MAT 3637
MT= 64 (n,n') Level
36-Kr-82
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.6810 MeV
JENDL5.0 Threshold 2.6810 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
22
36-Kr-82

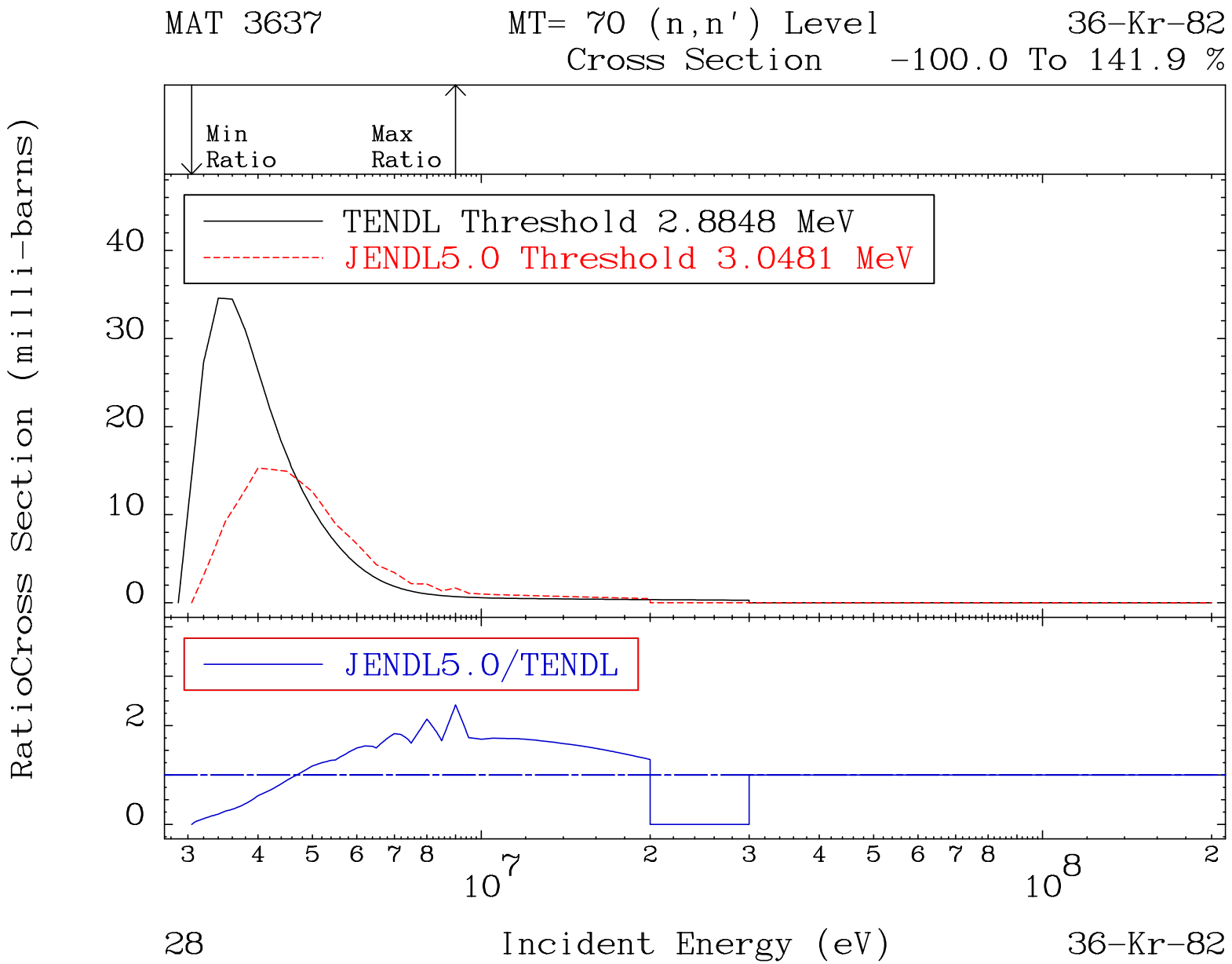

MAT 3637
MT= 65 (n,n') Level
36-Kr-82
Cross Section
-100.0 To 72.37 %
Max Ratio
Min Ratio
TENDL Threshold 2.6887 MeV
JENDL5.0 Threshold 2.6887 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
36-Kr-82

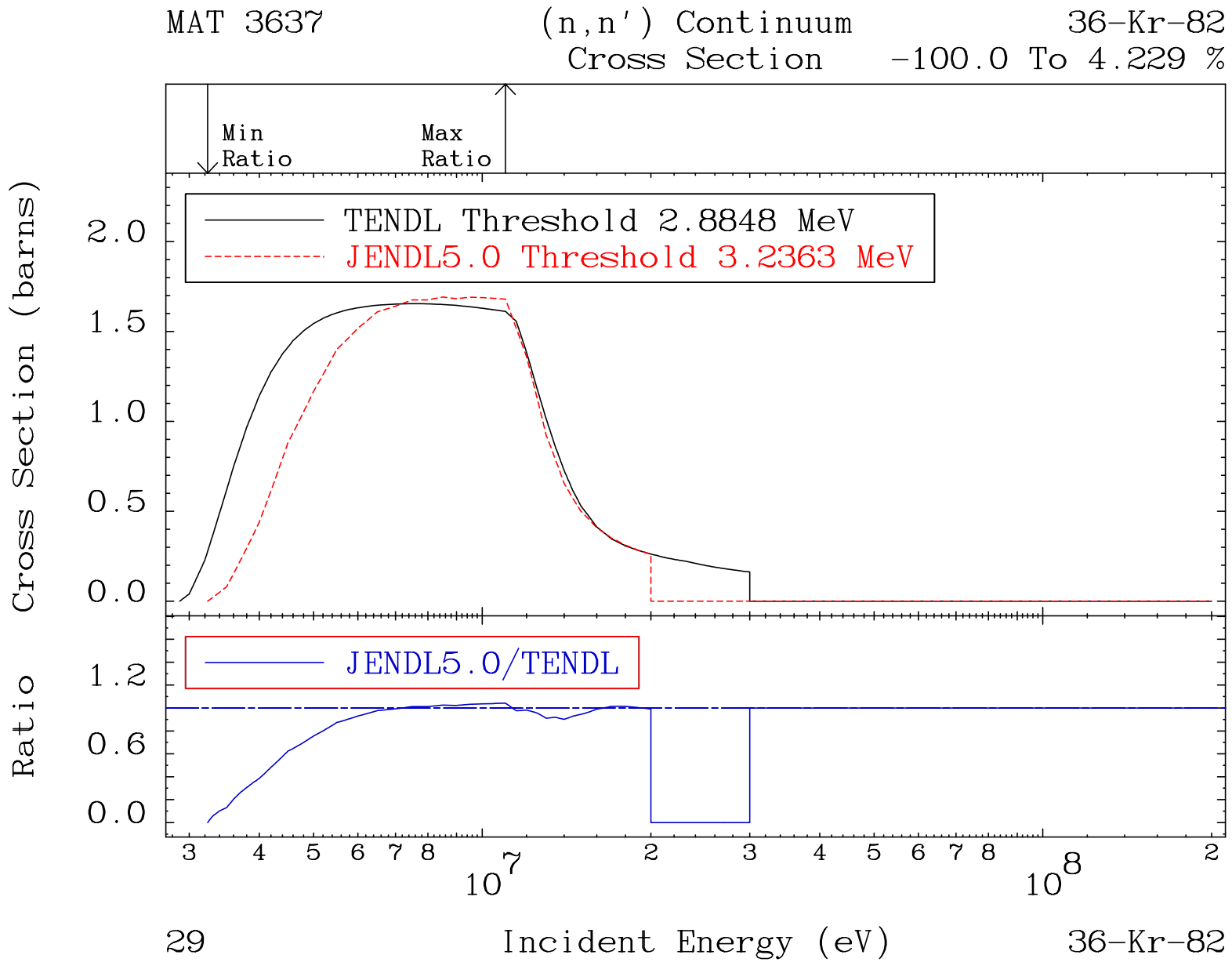

MAT 3637
MT= 66 (n,n') Level
36-Kr-82
Cross Section
-100.0 To 213.3 %
Min Ratio
Max Ratio
TENDL Threshold 2.7090 MeV
JENDL5.0 Threshold 2.8629 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
4
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
24
Incident Energy (eV)
36-Kr-82

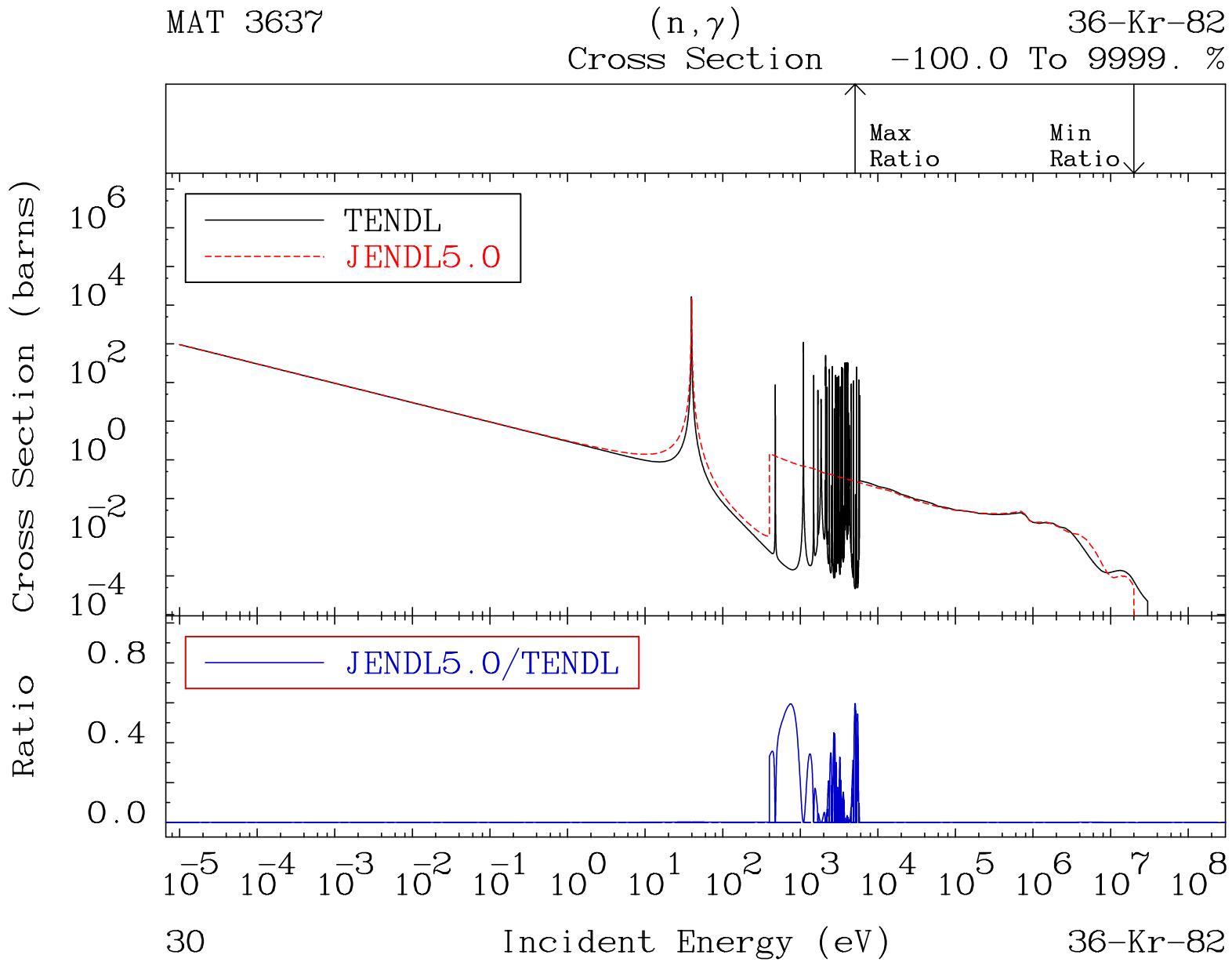

MAT 3637
MT= 67 (n,n') Level
36-Kr-82
Cross Section
-100.0 To 194.2 %
Min Ratio
Max Ratio
TENDL Threshold 2.7175 MeV
JENDL5.0 Threshold 2.8848 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
25
36-Kr-82

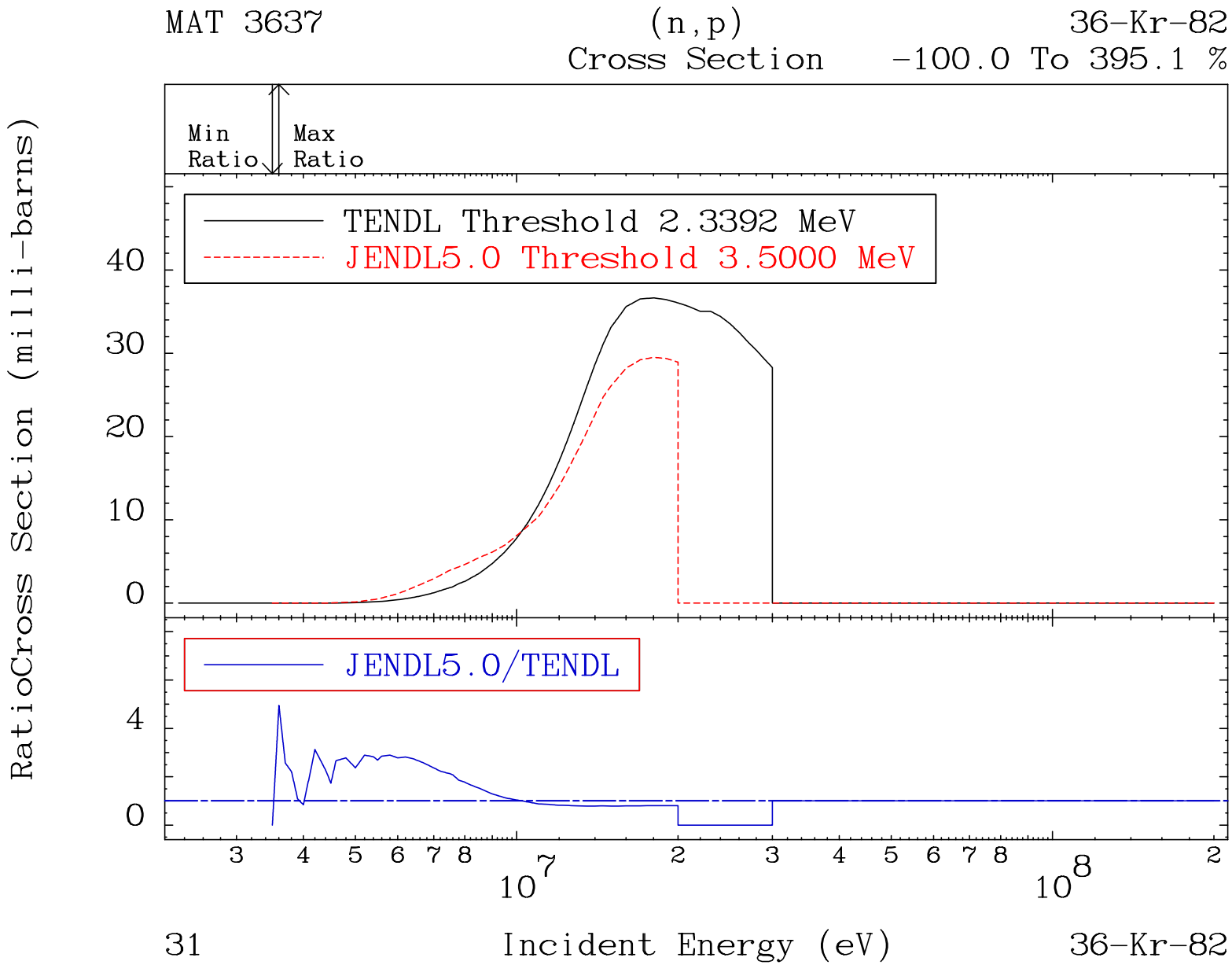

MAT 3637
MT= 68 (n,n') Level
36-Kr-82
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.8320 MeV
JENDL5.0 Threshold 2.9557 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
36-Kr-82

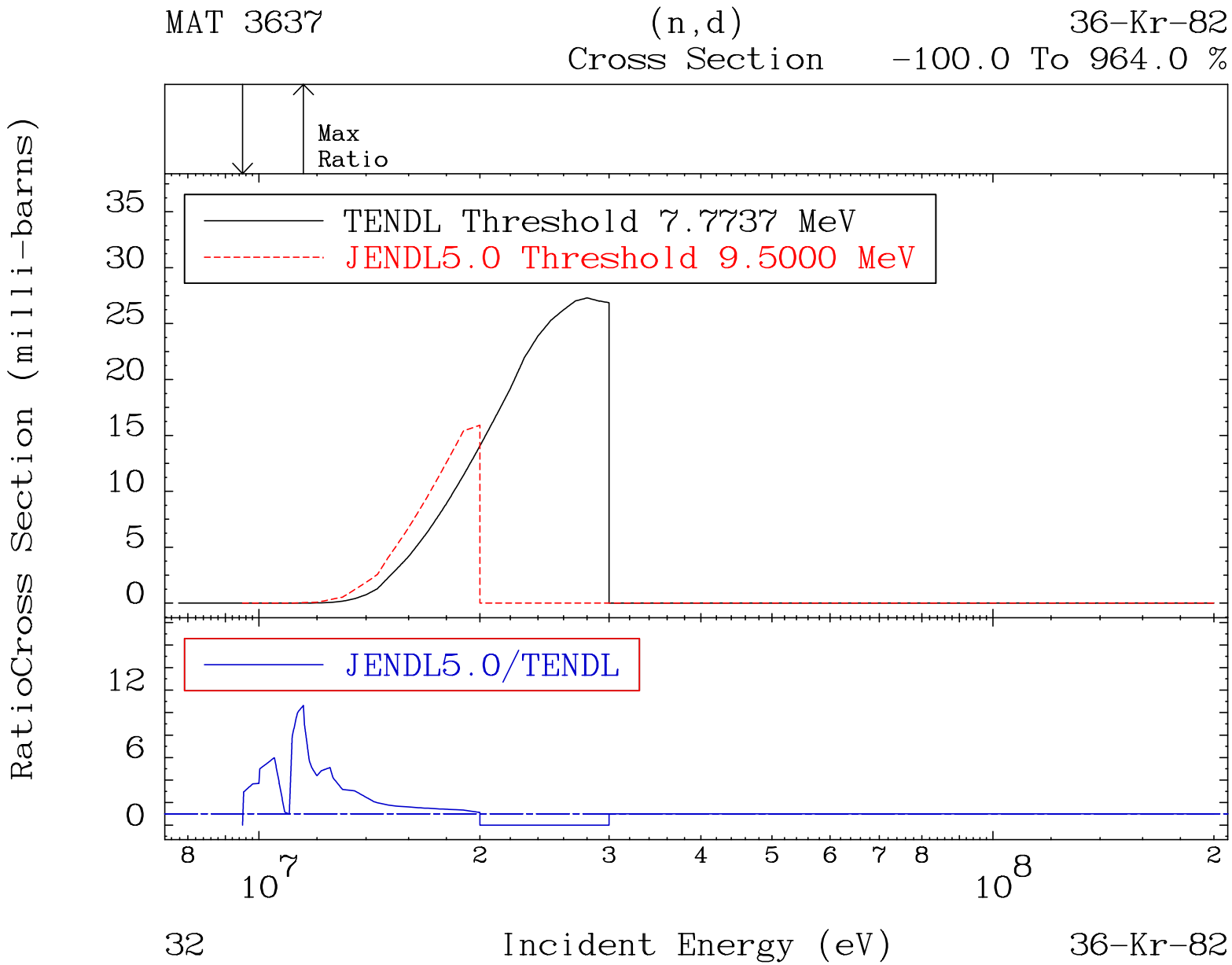

MAT 3637
MT= 69 (n,n') Level
36-Kr-82
Cross Section
-100.0 To 926.7 %
Max
Ratio
TENDL Threshold 2.8630 MeV
JENDL5.0 Threshold 2.9804 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
12
6
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
27
Incident Energy (eV)
36-Kr-82

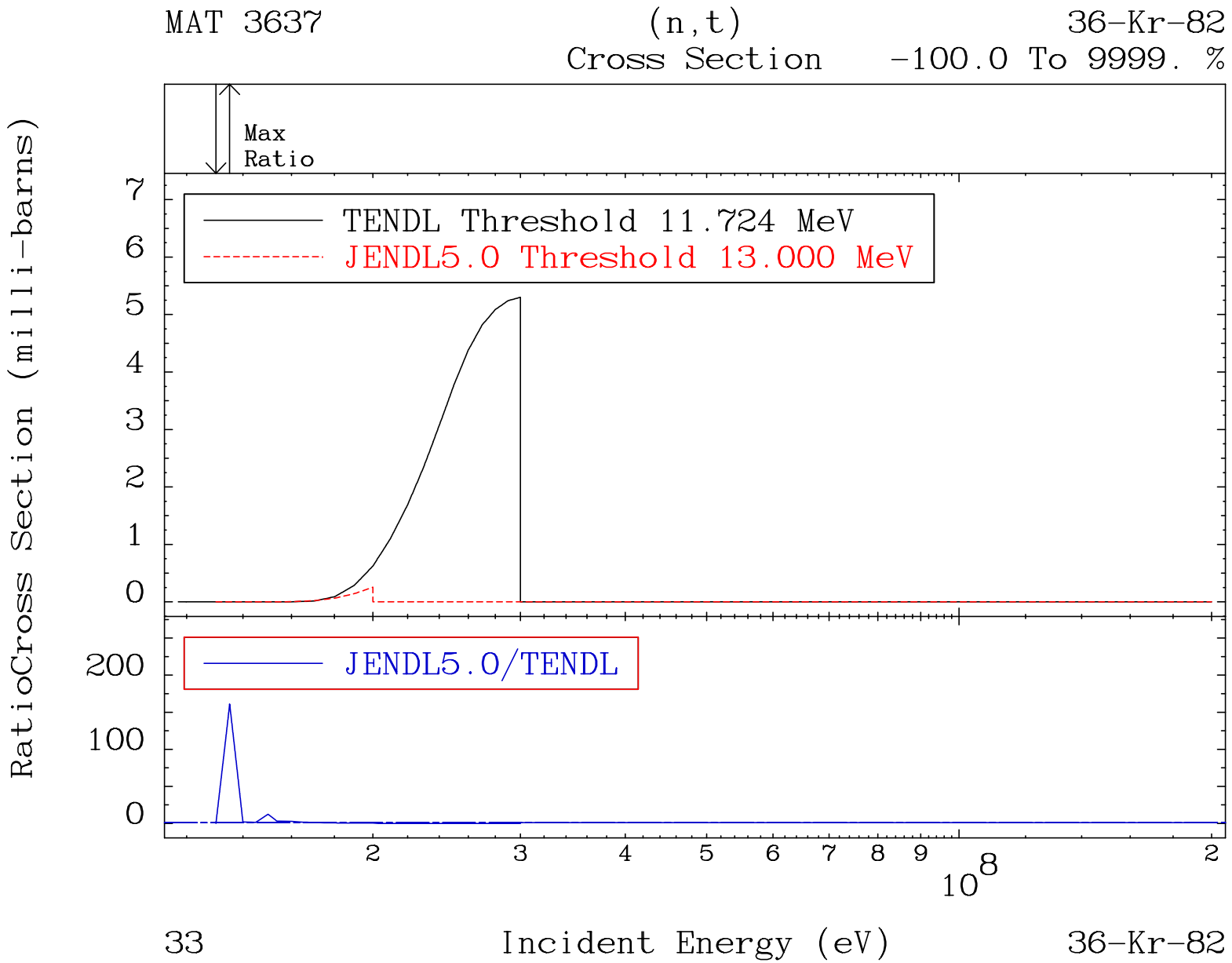

MAT 3637
MT= 70 (n,n') Level
36-Kr-82
Cross Section -100.0 To 141.9 %
Min Ratio
Max Ratio
TENDL Threshold 2.8848 MeV
JENDL5.0 Threshold 3.0481 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
36-Kr-82

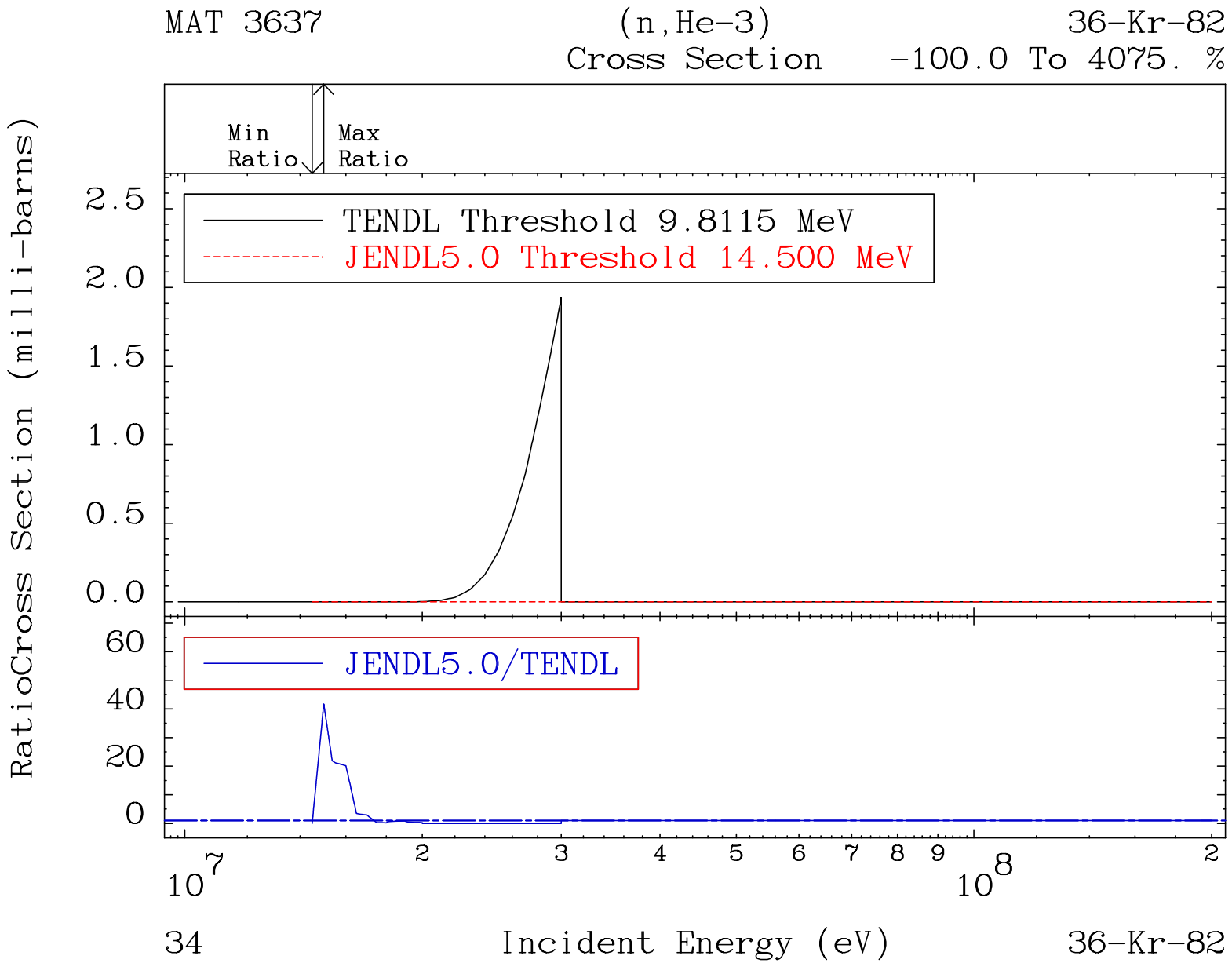

MAT 3637
(n,n') Continuum
Cross Section
36-Kr-82
-100.0 To 4.229 %
Min Ratio
Max Ratio
TENDL Threshold 2.8848 MeV
JENDL5.0 Threshold 3.2363 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
29
Incident Energy (eV)
36-Kr-82

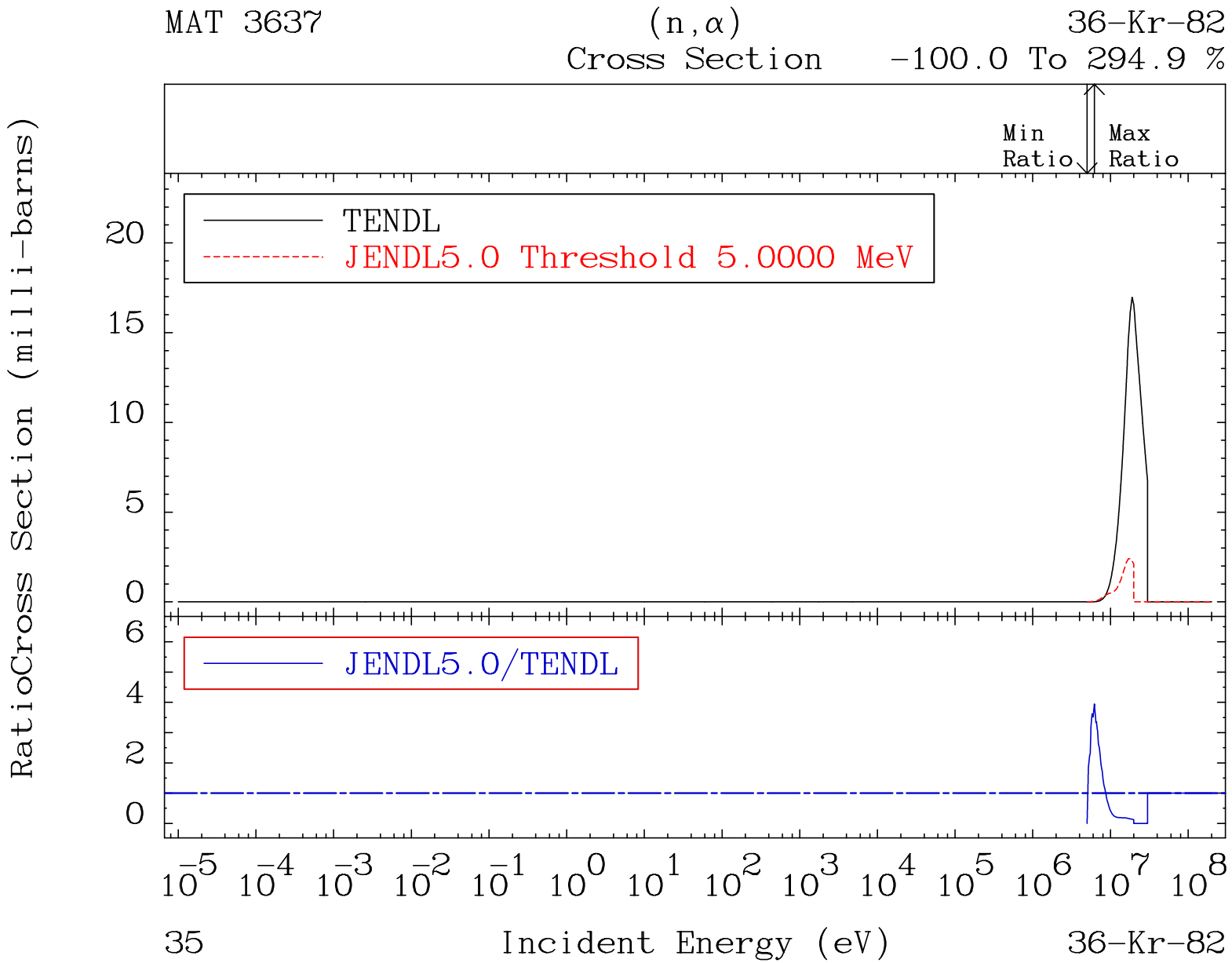

MAT 3637
(n,γ)
Cross Section
36-Kr-82
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
30
36-Kr-82

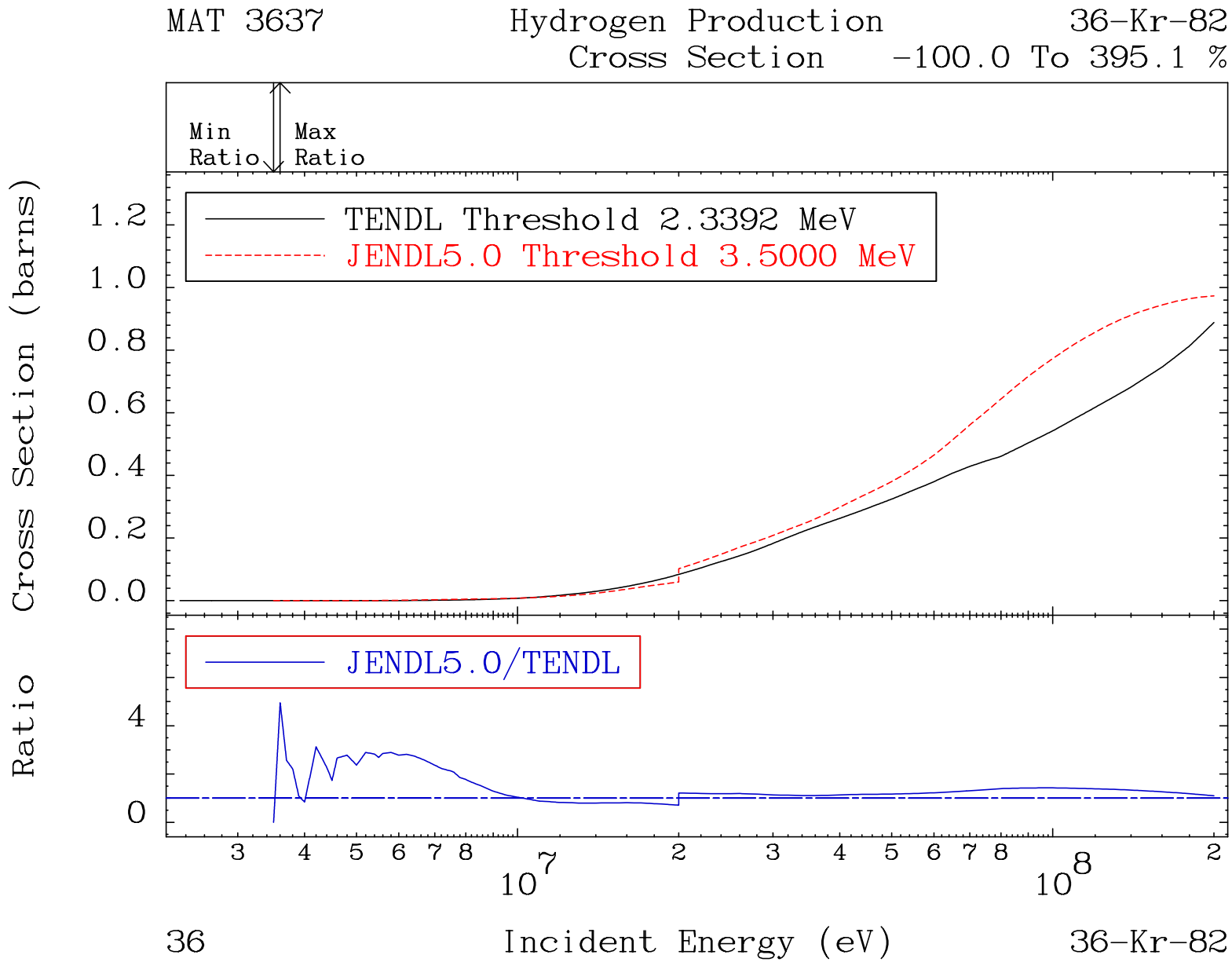

MAT 3637
(n,p)
Cross Section
36-Kr-82
-100.0 To 395.1 %
Min Ratio
Max Ratio
TENDL Threshold 2.3392 MeV
JENDL5.0 Threshold 3.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
4
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
36-Kr-82

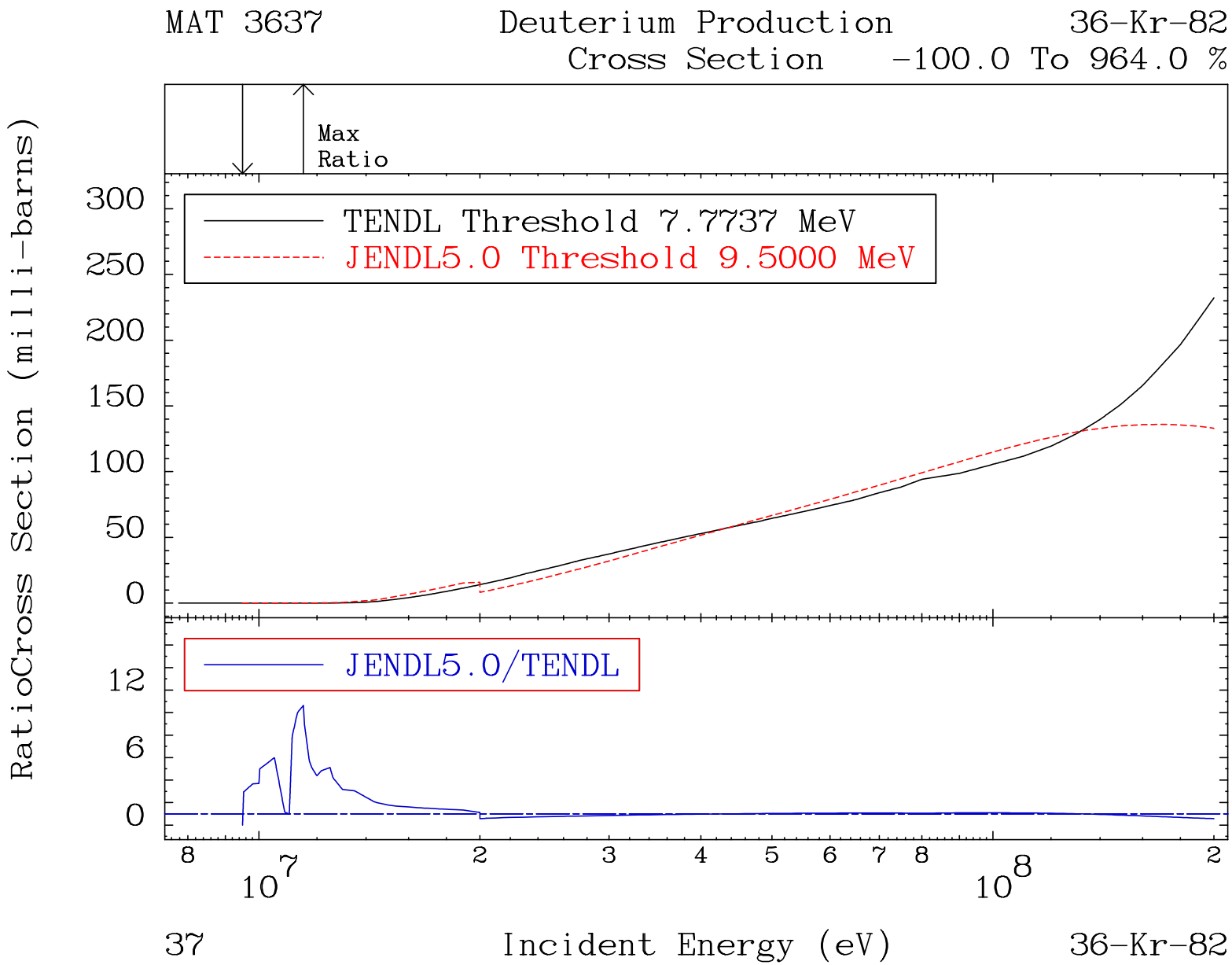

MAT 3637
(n,d)
Cross Section
36-Kr-82
-100.0 To 964.0 %
Max
Ratio
TENDL Threshold 7.7737 MeV
JENDL5.0 Threshold 9.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
12
6
0
8
2
3
4
5
6
7
8
2
10^7
10^8
32
Incident Energy (eV)
36-Kr-82

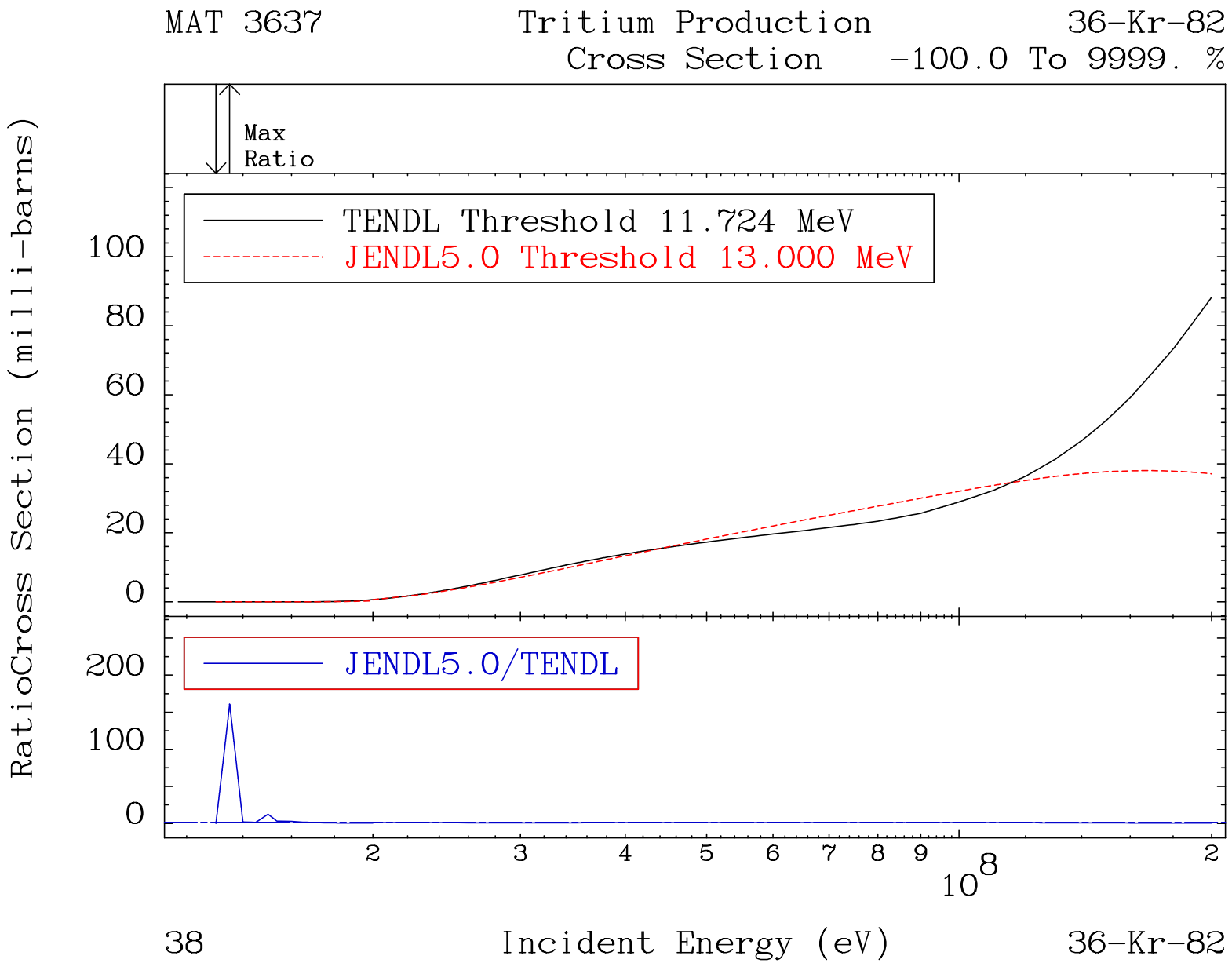

MAT 3637
(n,t)
Cross Section
36-Kr-82
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 11.724 MeV
JENDL5.0 Threshold 13.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
0
1
2
3
4
5
6
7
100
200
2
3
4
5
6
7
8
9
10^8
2
33
Incident Energy (eV)
36-Kr-82

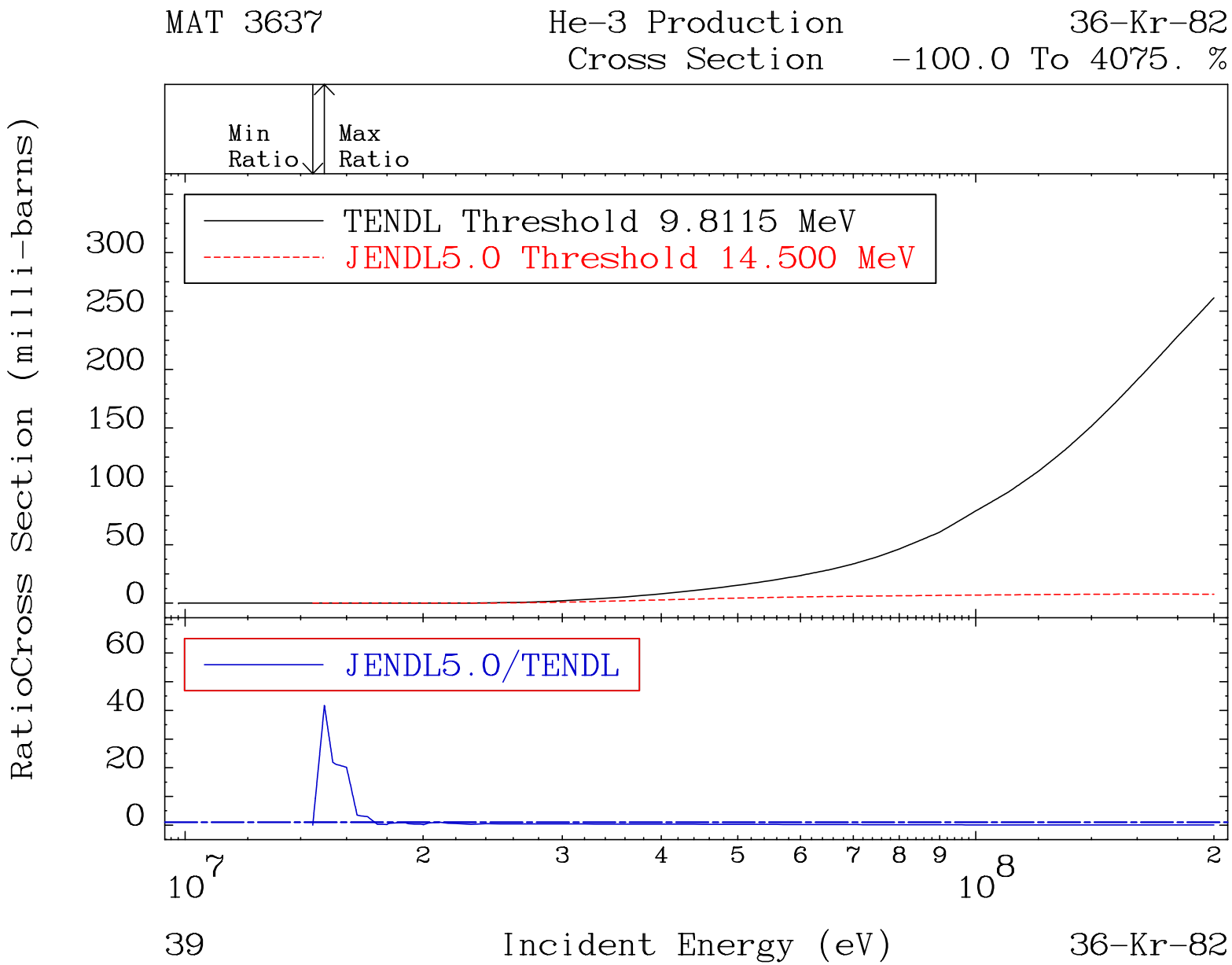

MAT 3637
(n,He-3)
Cross Section
36-Kr-82
-100.0 To 4075. %
Min Ratio
Max Ratio
TENDL Threshold 9.8115 MeV
JENDL5.0 Threshold 14.500 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
60
40
20
0
10^7
2
3
4
5
6
7
8
9
10^8
2
34
Incident Energy (eV)
36-Kr-82

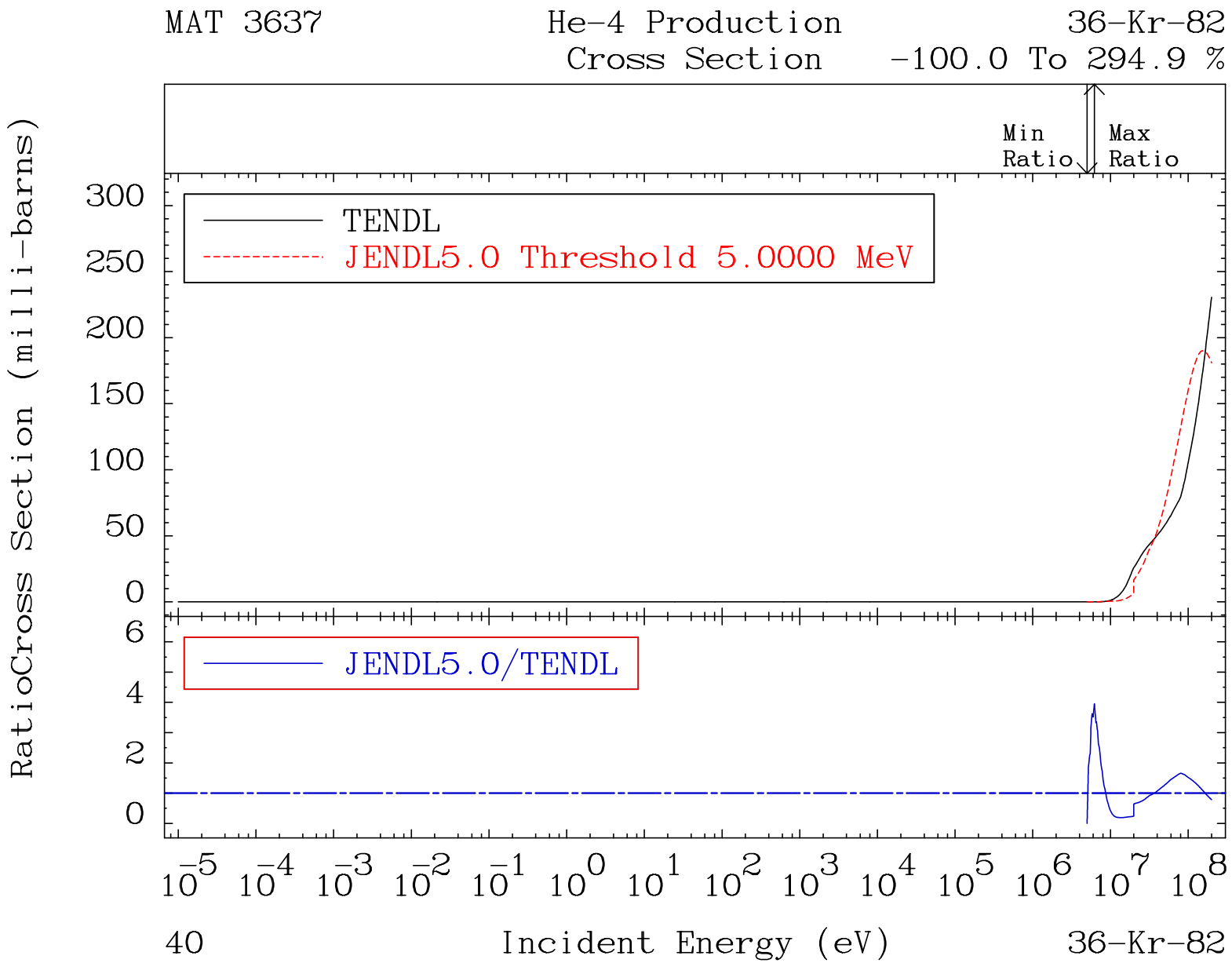

MAT 3637
(n,α)
Cross Section
36-Kr-82
-100.0 To 294.9 %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 5.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
35
36-Kr-82

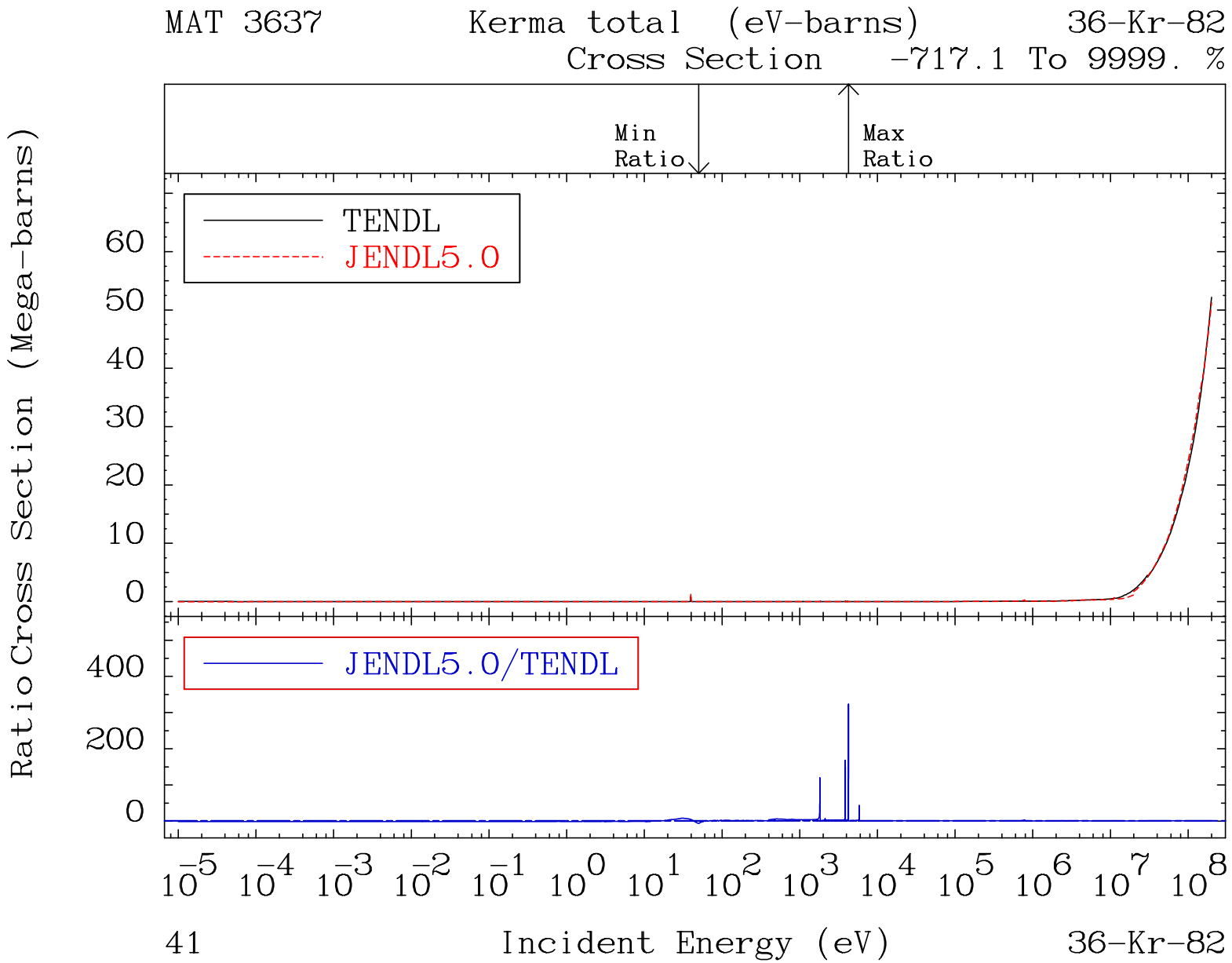

MAT 3637
Hydrogen Production
36-Kr-82
Cross Section -100.0 To 395.1 %
Min Ratio
Max Ratio
TENDL Threshold 2.3392 MeV
JENDL5.0 Threshold 3.5000 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
4
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
36
Incident Energy (eV)
36-Kr-82

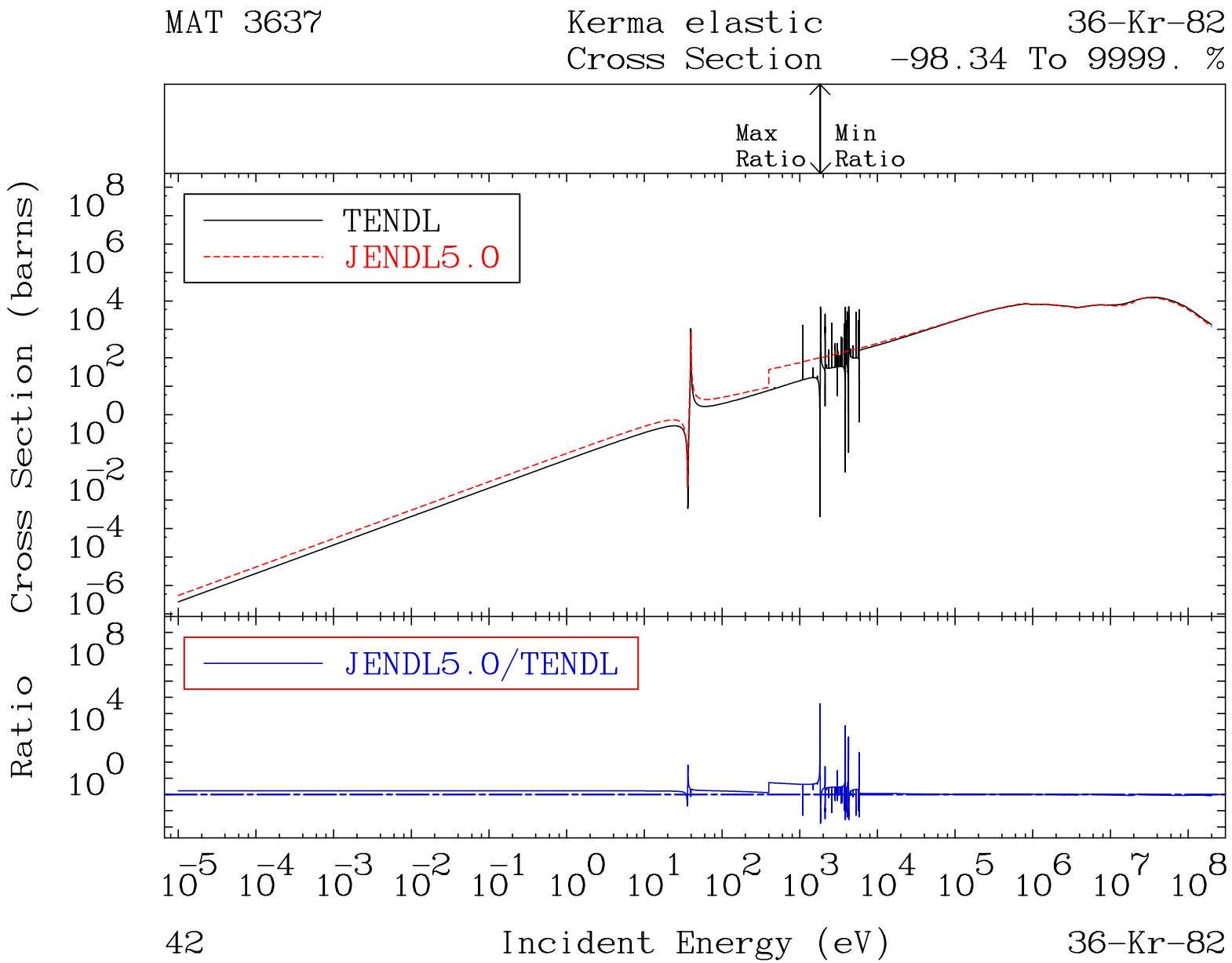

MAT 3637
Deuterium Production
36-Kr-82
Cross Section
-100.0 To 964.0 %
Max
Ratio
TENDL Threshold 7.7737 MeV
JENDL5.0 Threshold 9.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
12
6
0
8
2
3
4
5
6
7
8
2
10^7
10^8
37
Incident Energy (eV)
36-Kr-82

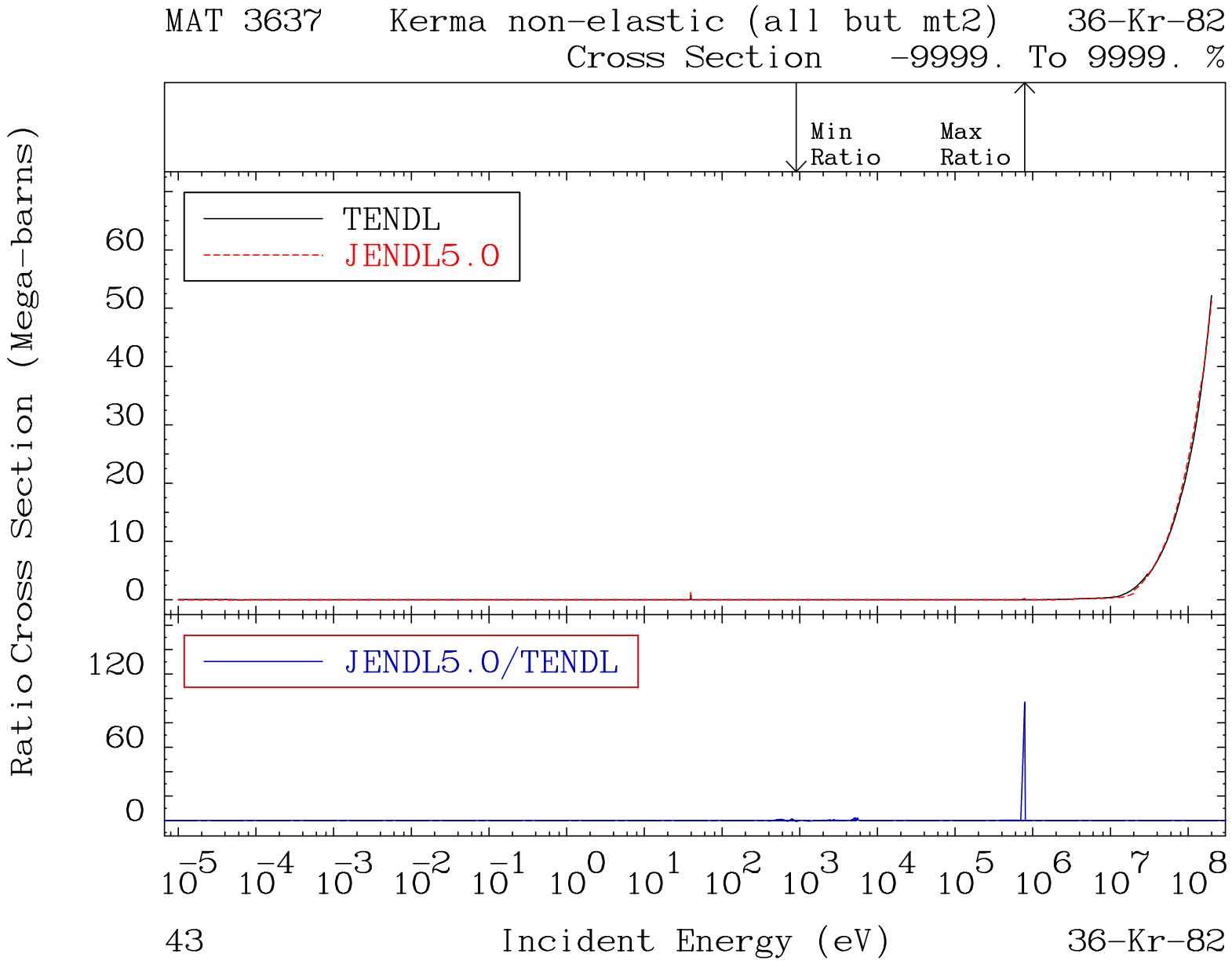

MAT 3637
Tritium Production
36-Kr-82
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 11.724 MeV
JENDL5.0 Threshold 13.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
200
100
0
2
3
4
5
6
7
8
9
2
10^8
38
Incident Energy (eV)
36-Kr-82

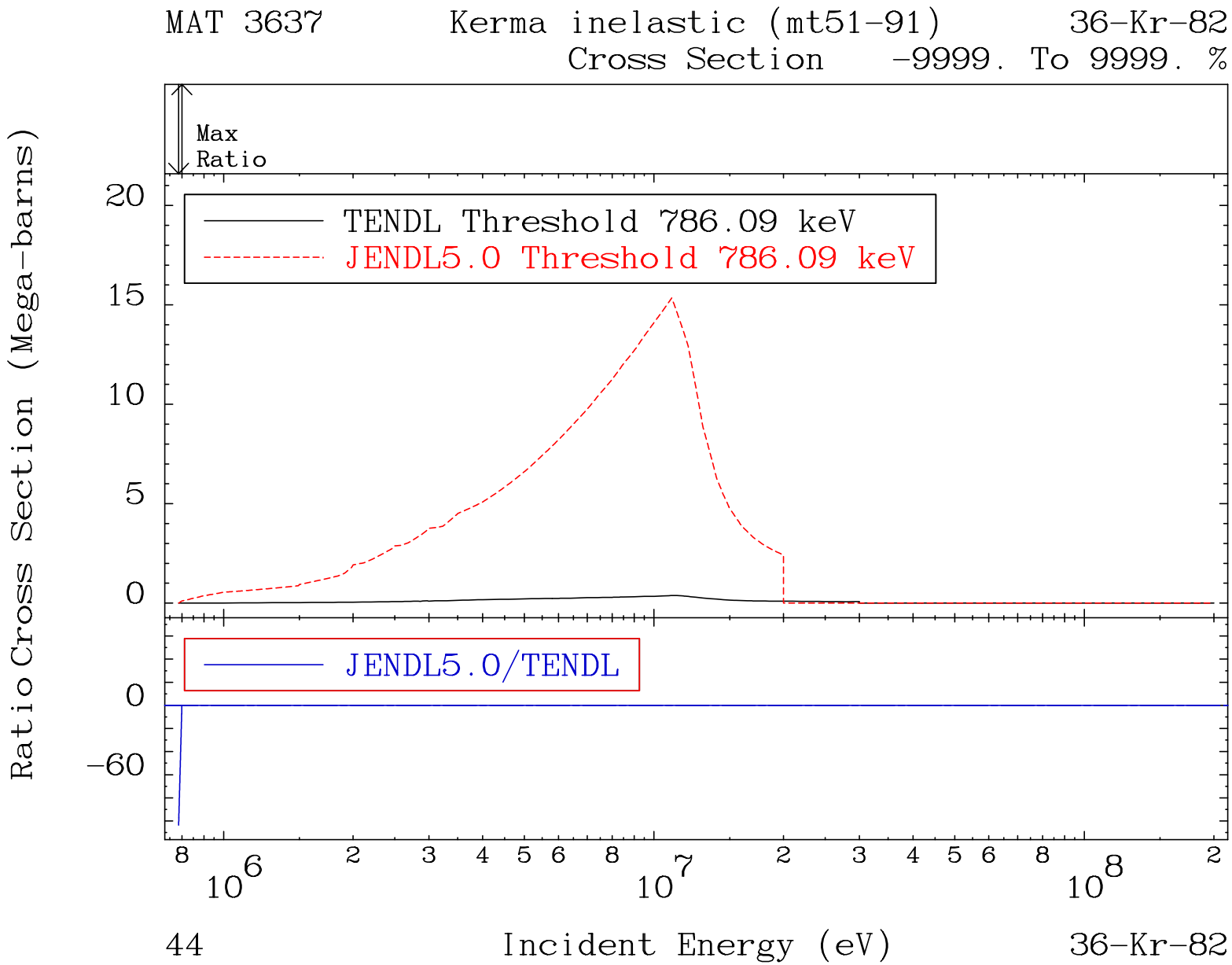

MAT 3637
He-3 Production
Cross Section
36-Kr-82
-100.0 To 4075. %
Min Ratio
Max Ratio
TENDL Threshold 9.8115 MeV
JENDL5.0 Threshold 14.500 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
60
40
20
0
10^7
2
3
4
5
6
7
8
9
10^8
2
39
Incident Energy (eV)
36-Kr-82

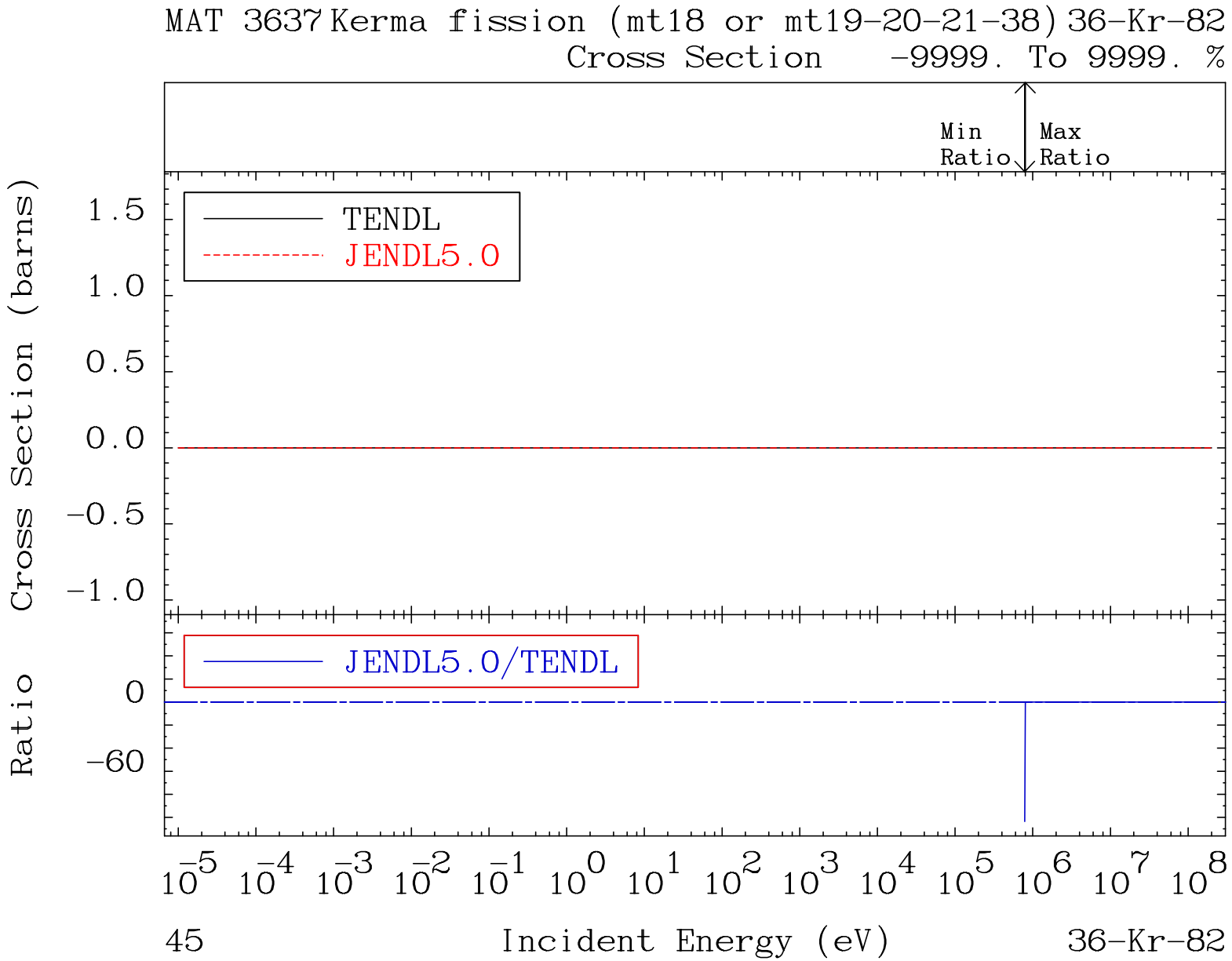

MAT 3637
He-4 Production
Cross Section
36-Kr-82
-100.0 To 294.9 %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 5.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
6
4
2
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
Incident Energy (eV)
40
36-Kr-82

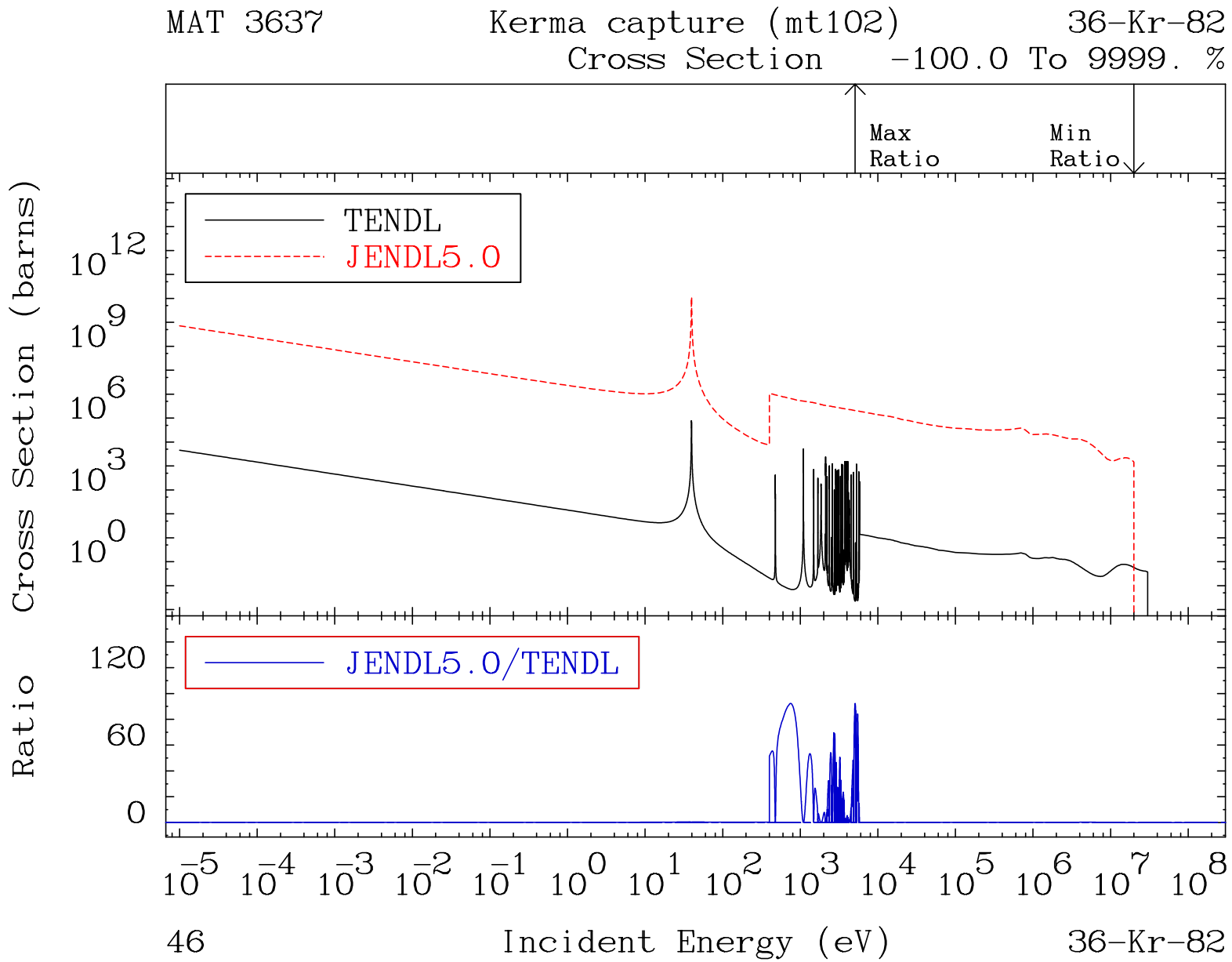

MAT 3637
Kerma total (eV-barns)
36-Kr-82
Cross Section -717.1 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Ratio Cross Section (Mega-barns)
60
50
40
30
20
10
0
400
200
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
41
Incident Energy (eV)
36-Kr-82

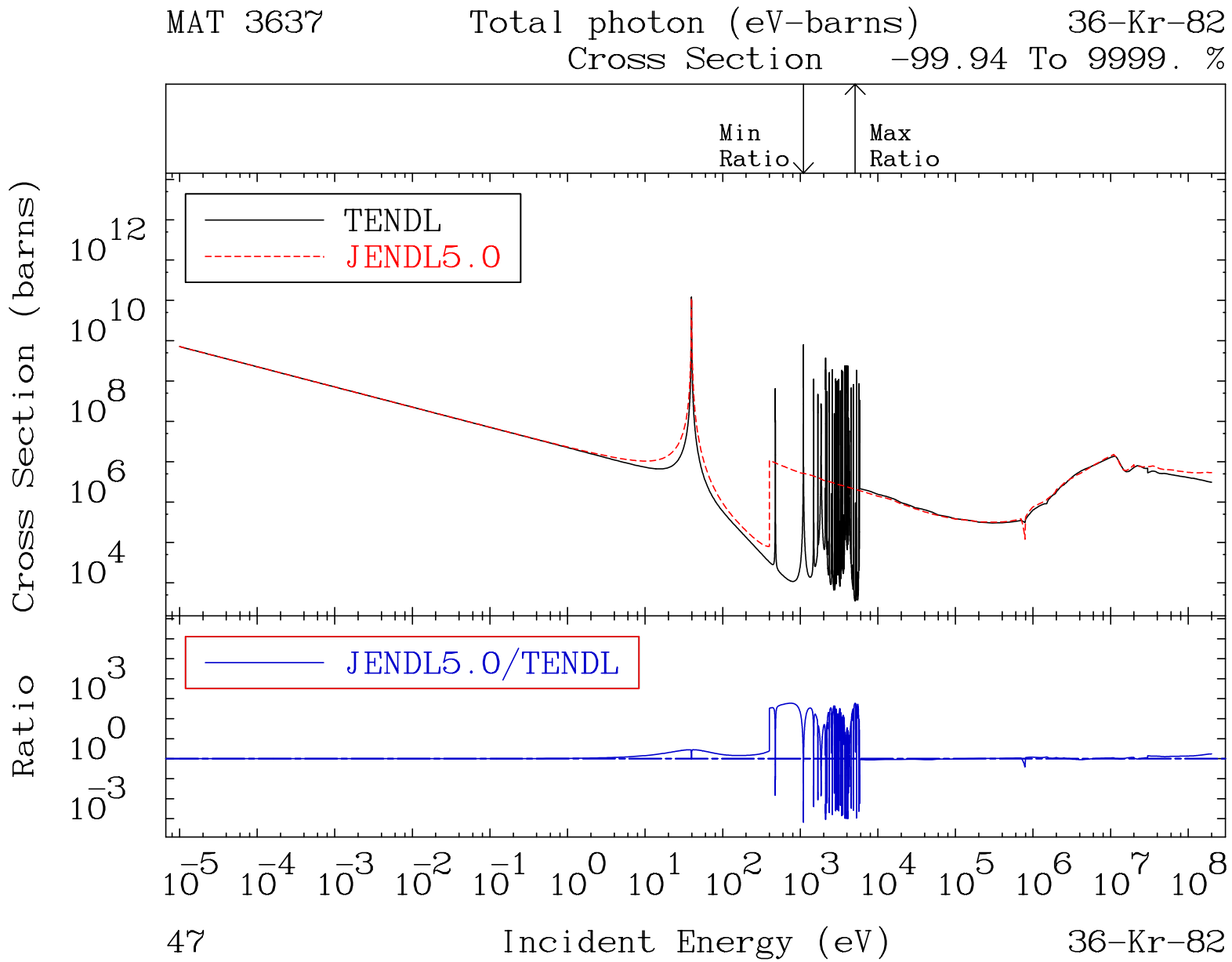

MAT 3637
Kerma elastic
Cross Section
36-Kr-82
-98.34 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
42
36-Kr-82

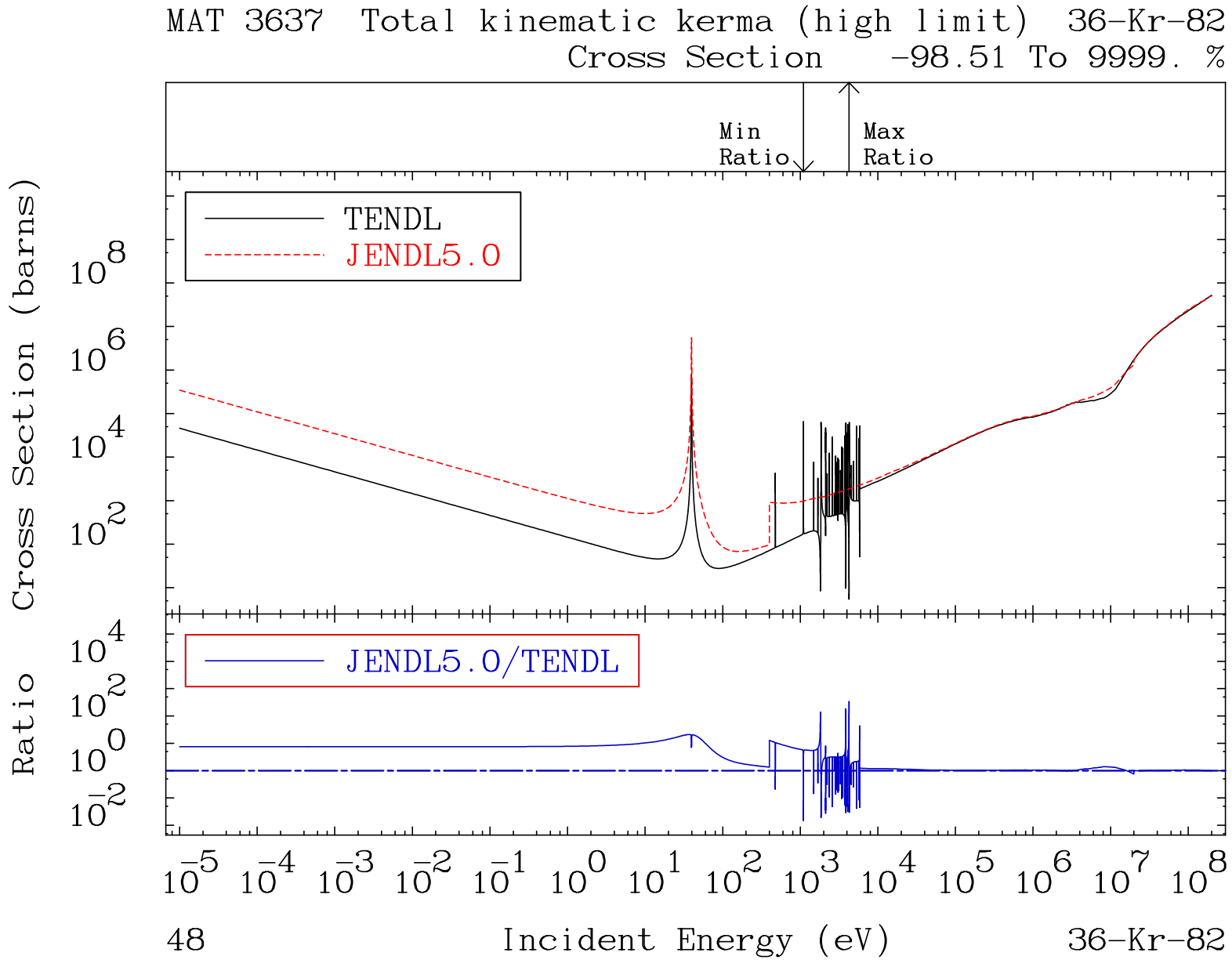

MAT 3637 Kerma non-elastic (all but mt2) 36-Kr-82
Cross Section -9999. To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Ratio Cross Section (Mega-barns)
60
50
40
30
20
10
0
120
60
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
43
Incident Energy (eV)
36-Kr-82

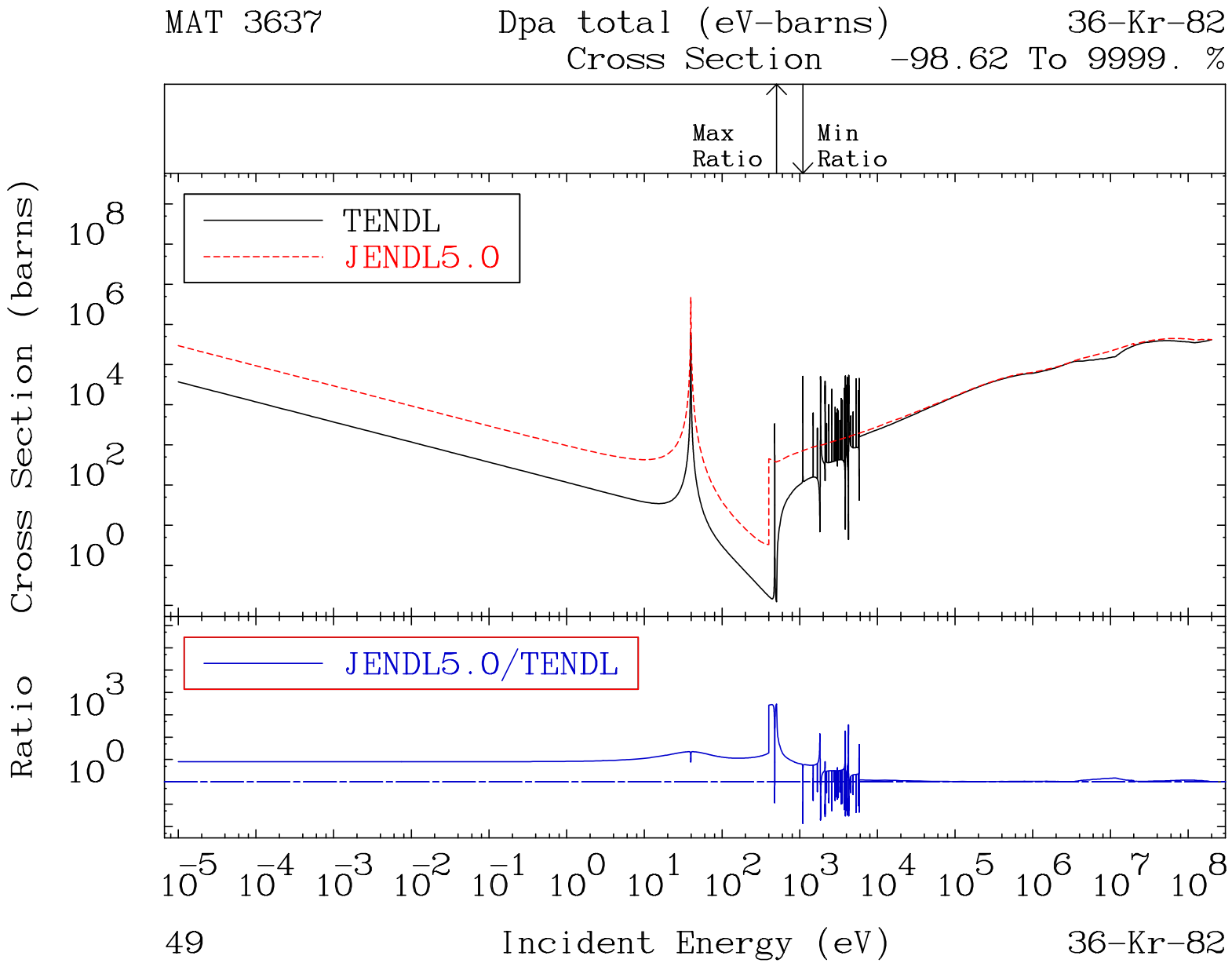

MAT 3637 Kerma inelastic (mt51-91) 36-Kr-82
Cross Section -9999. To 9999. %
Max
Ratio
TENDL Threshold 786.09 keV
JENDL5.0 Threshold 786.09 keV
JENDL5.0/TENDL
Ratio Cross Section (Mega-barns)
20
15
10
5
0
0
-60
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
44
Incident Energy (eV)
36-Kr-82

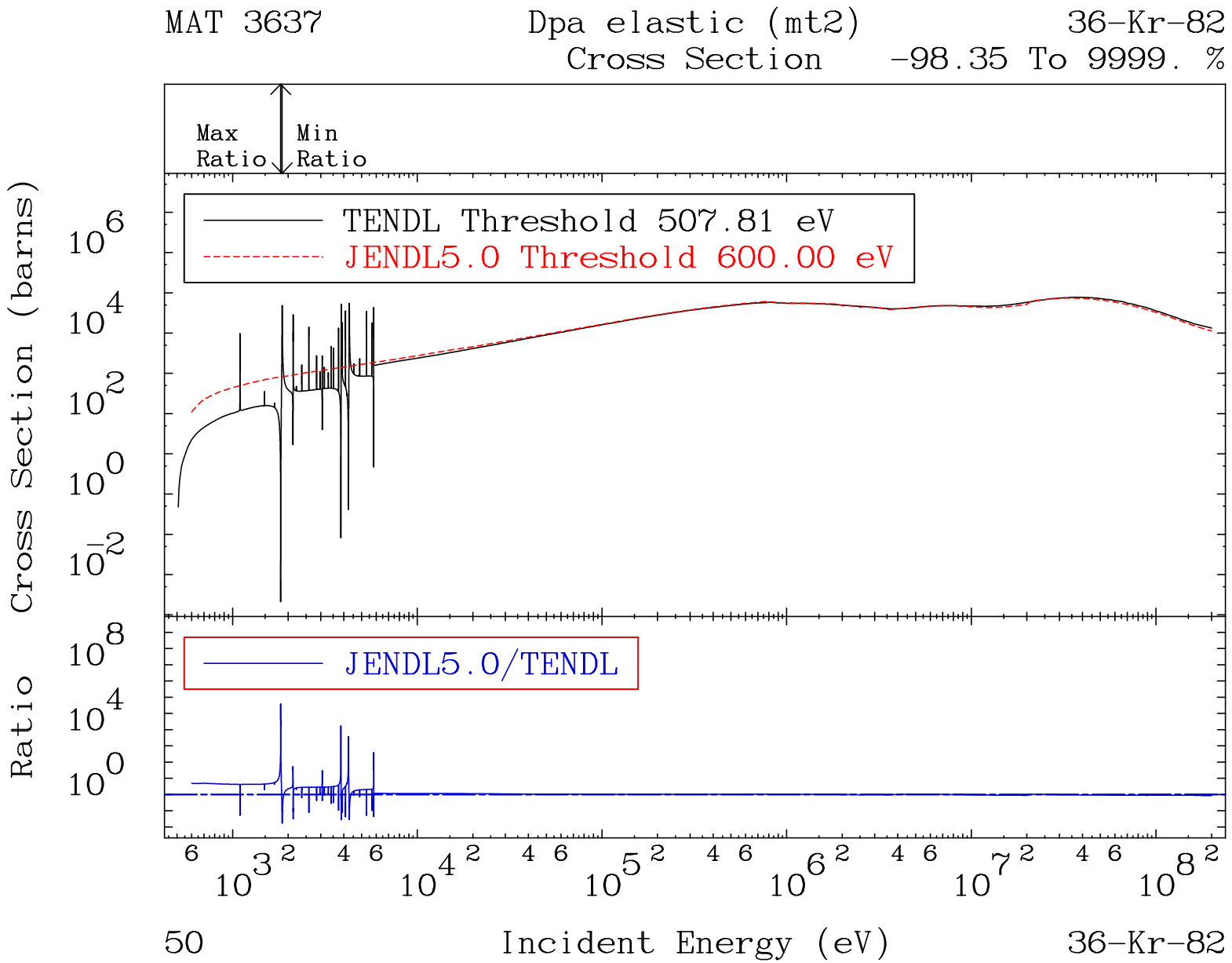

MAT 3637 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-82
Cross Section -9999. To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
0
-60
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
45
Incident Energy (eV)
36-Kr-82

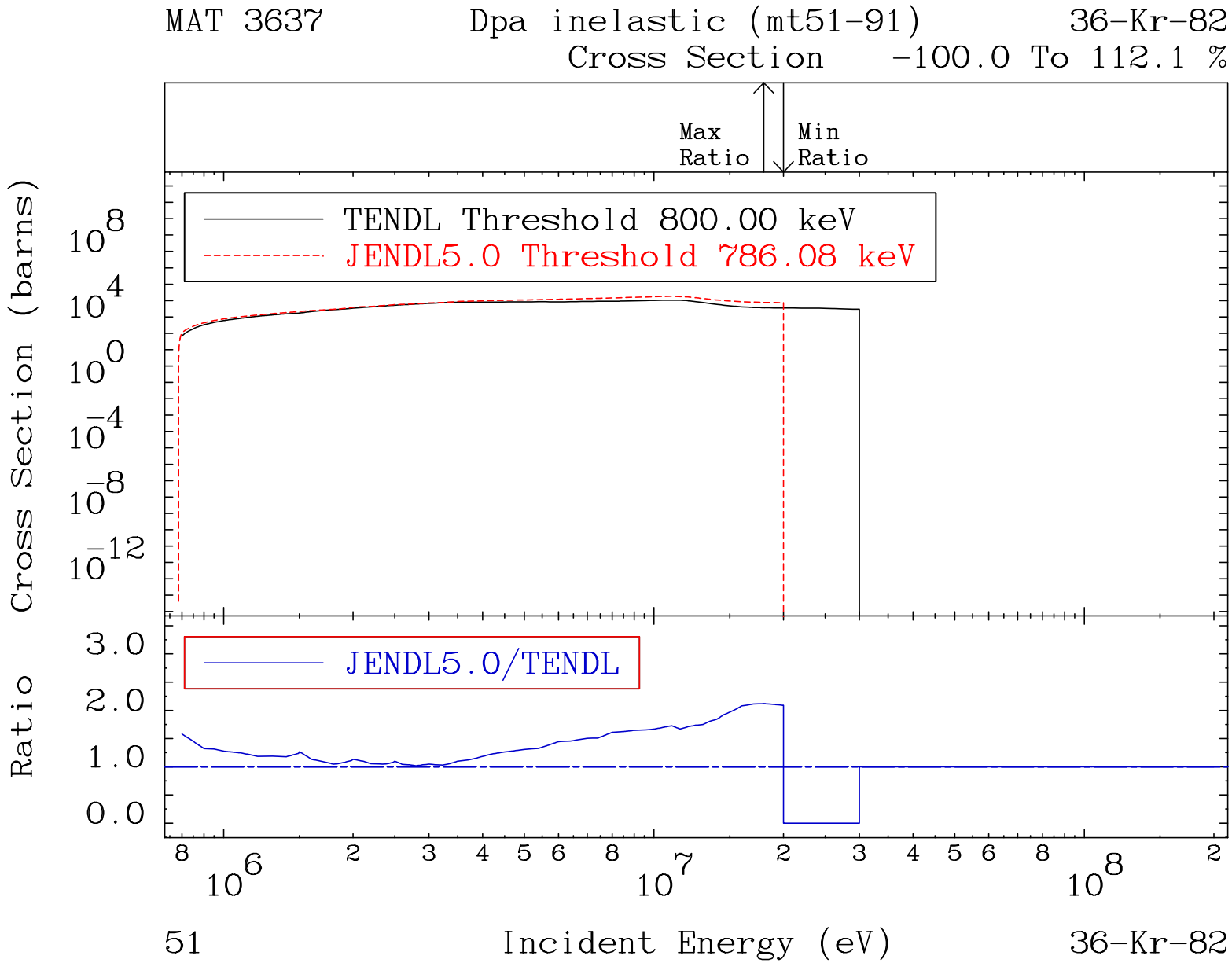

MAT 3637
Kerma capture (mt102)
36-Kr-82
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^12
10^9
10^6
10^3
10^0
JENDL5.0/TENDL
Ratio
120
60
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
46
Incident Energy (eV)
36-Kr-82

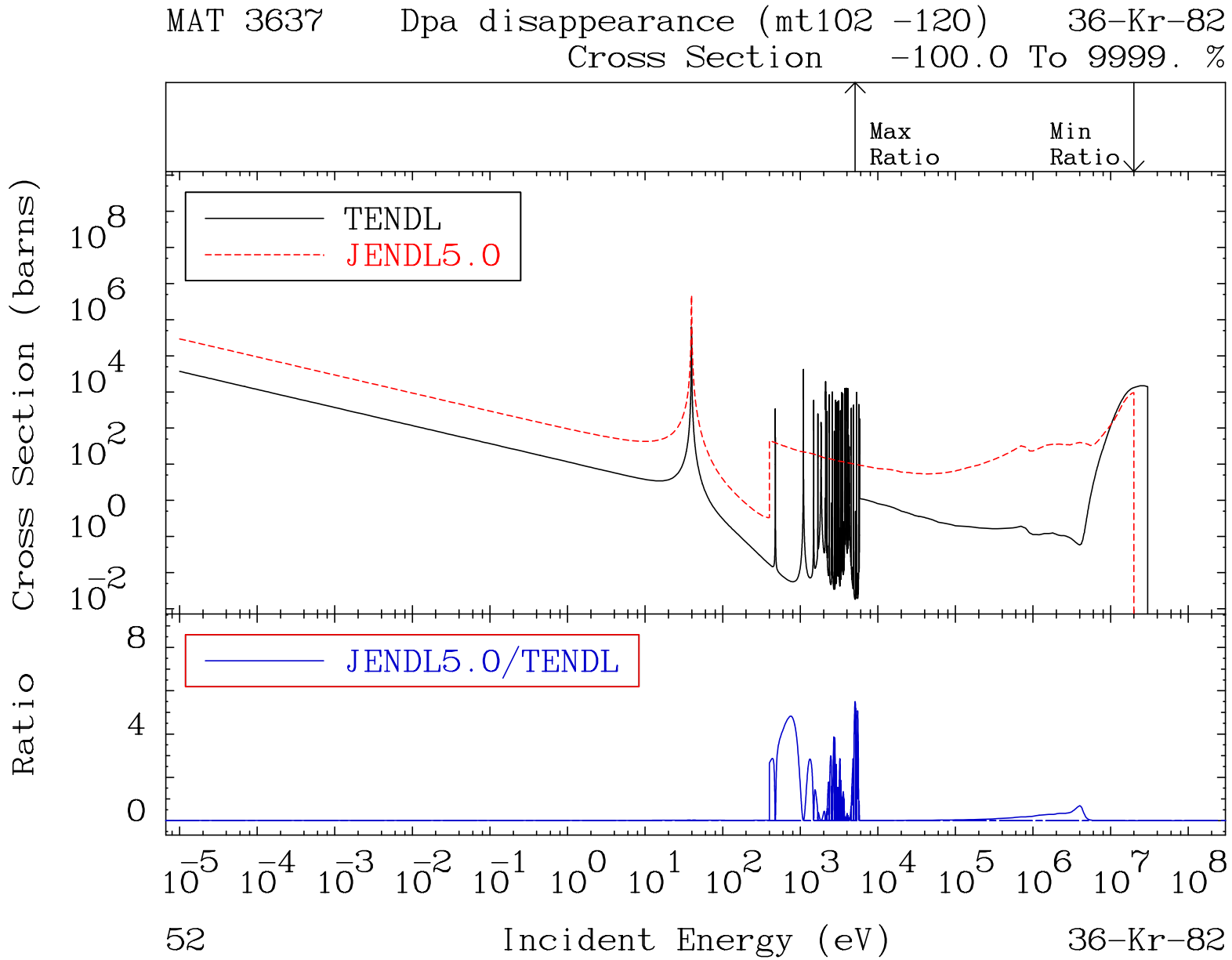

MAT 3637
Total photon (eV-barns)
36-Kr-82
Cross Section
-99.94 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
47
36-Kr-82

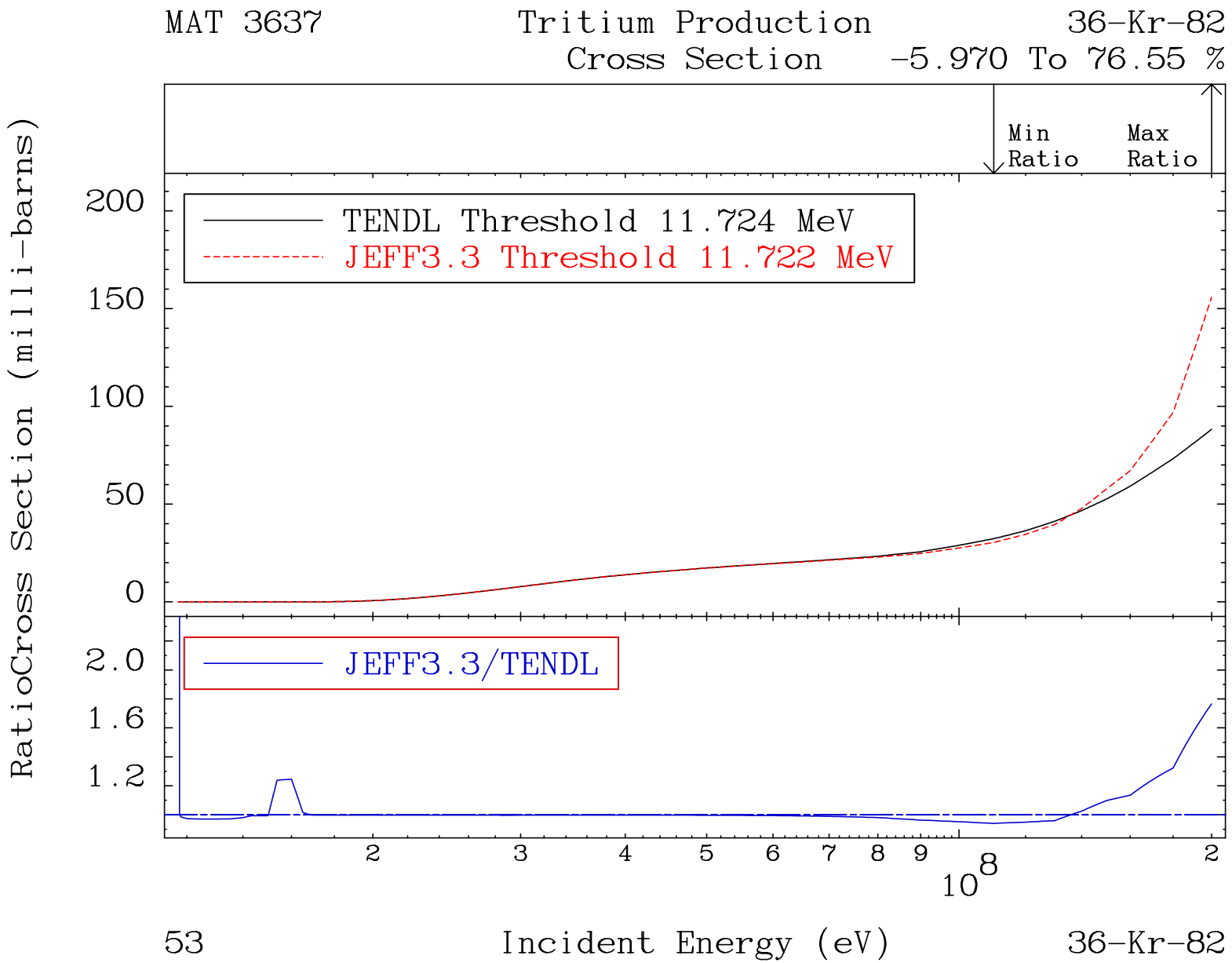

MAT 3637 Total kinematic kerma (high limit) 36-Kr-82
Cross Section -98.51 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
48
36-Kr-82

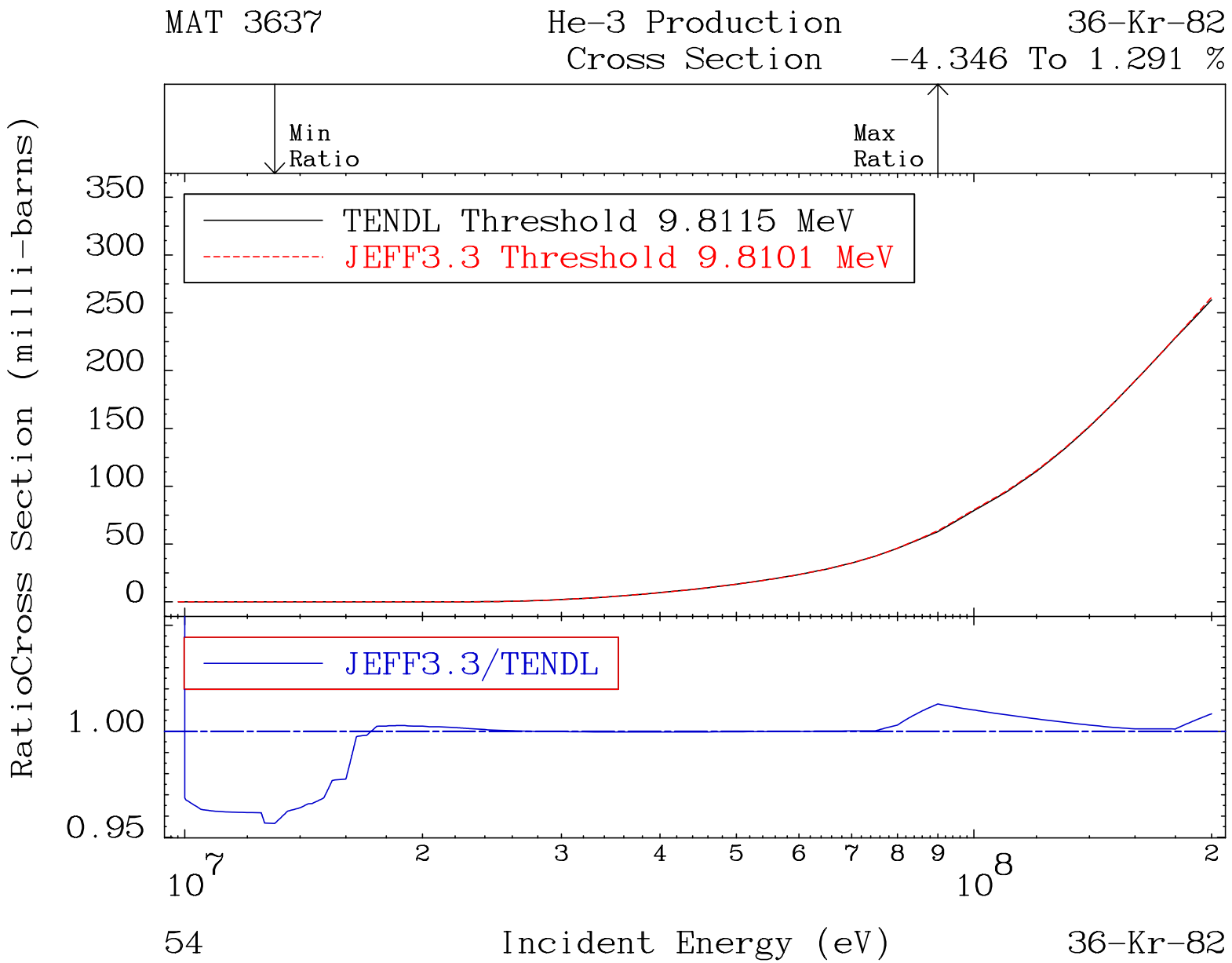

MAT 3637
Dpa total (eV-barns)
36-Kr-82
Cross Section
-98.62 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
49
36-Kr-82

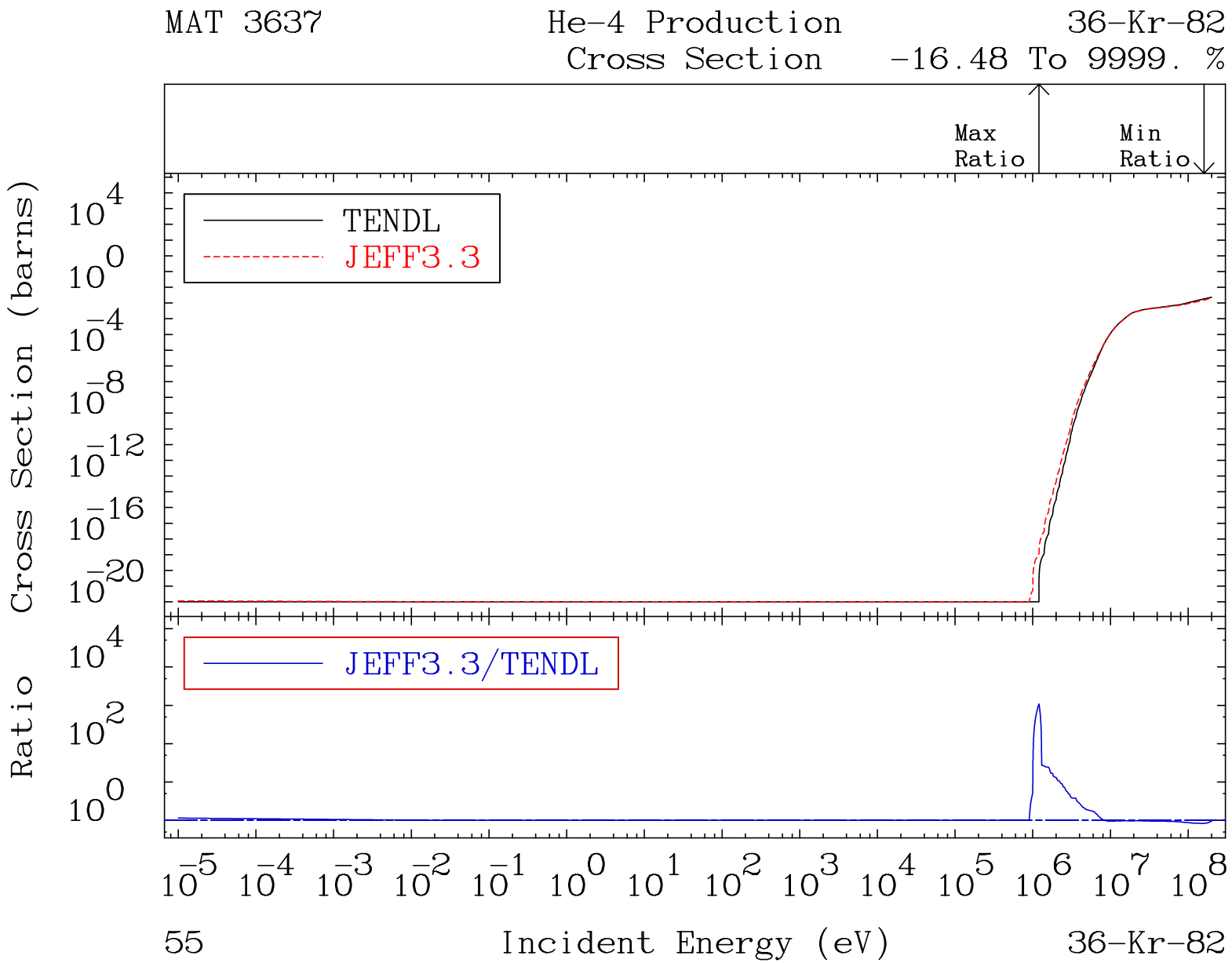

MAT 3637
Dpa elastic (mt2)
Cross Section
36-Kr-82
-98.35 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 507.81 eV
JENDL5.0 Threshold 600.00 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
50
36-Kr-82

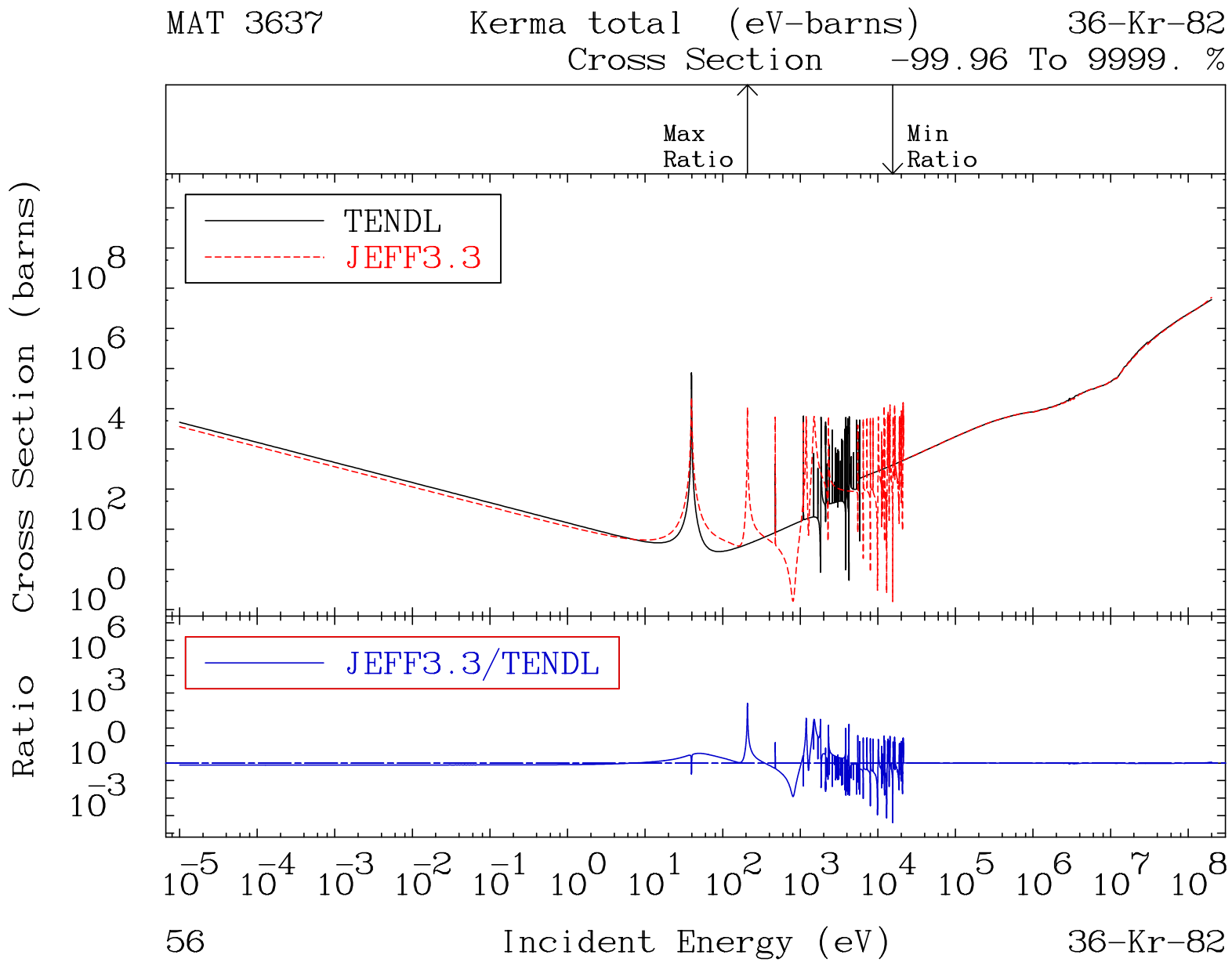

MAT 3637
Dpa inelastic (mt51-91)
36-Kr-82
Cross Section
-100.0 To 112.1 %
Max Ratio
Min Ratio
TENDL Threshold 800.00 keV
JENDL5.0 Threshold 786.08 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
51
Incident Energy (eV)
36-Kr-82

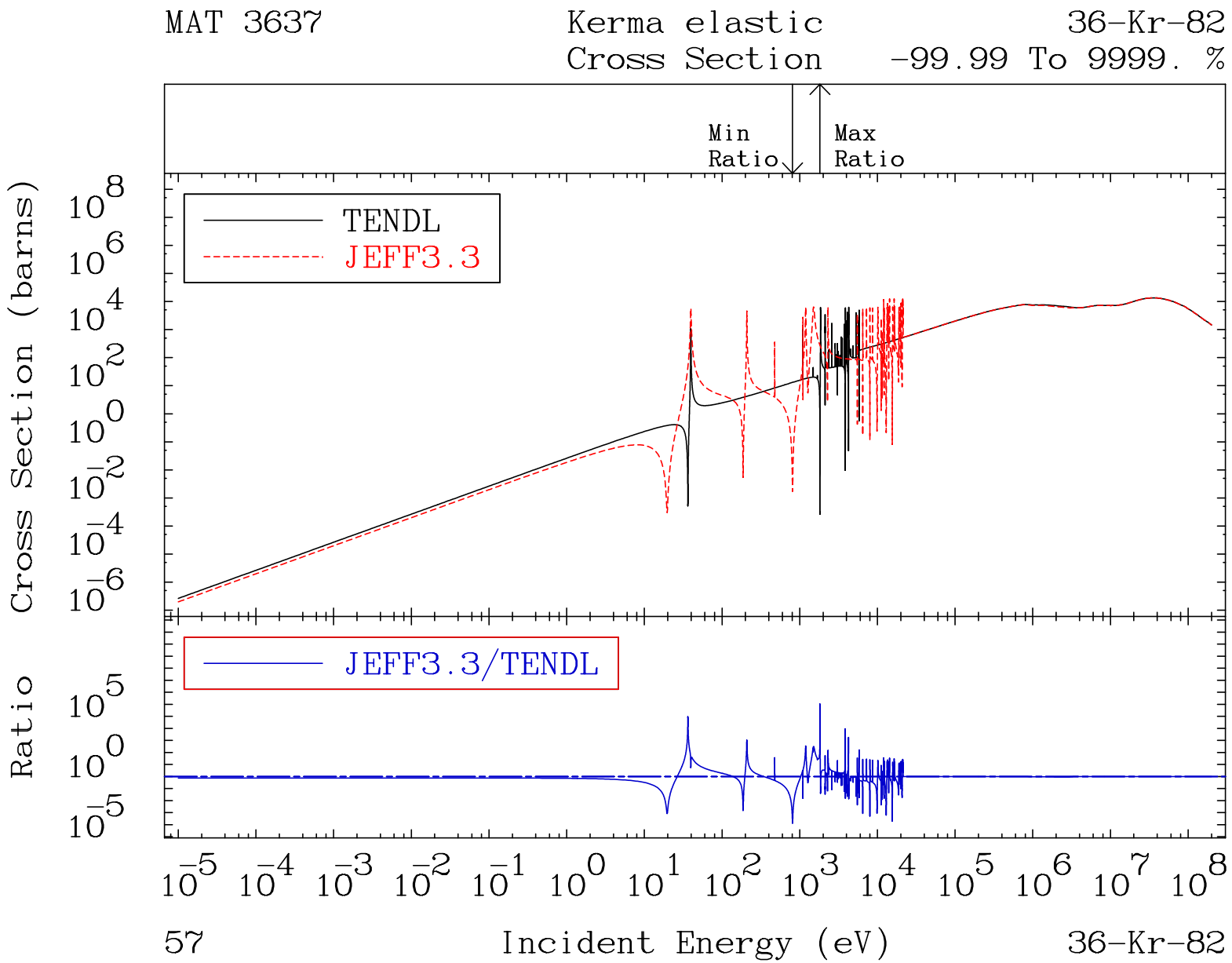

MAT 3637 Dpa disappearance (mt102 -120) 36-Kr-82
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
36-Kr-82

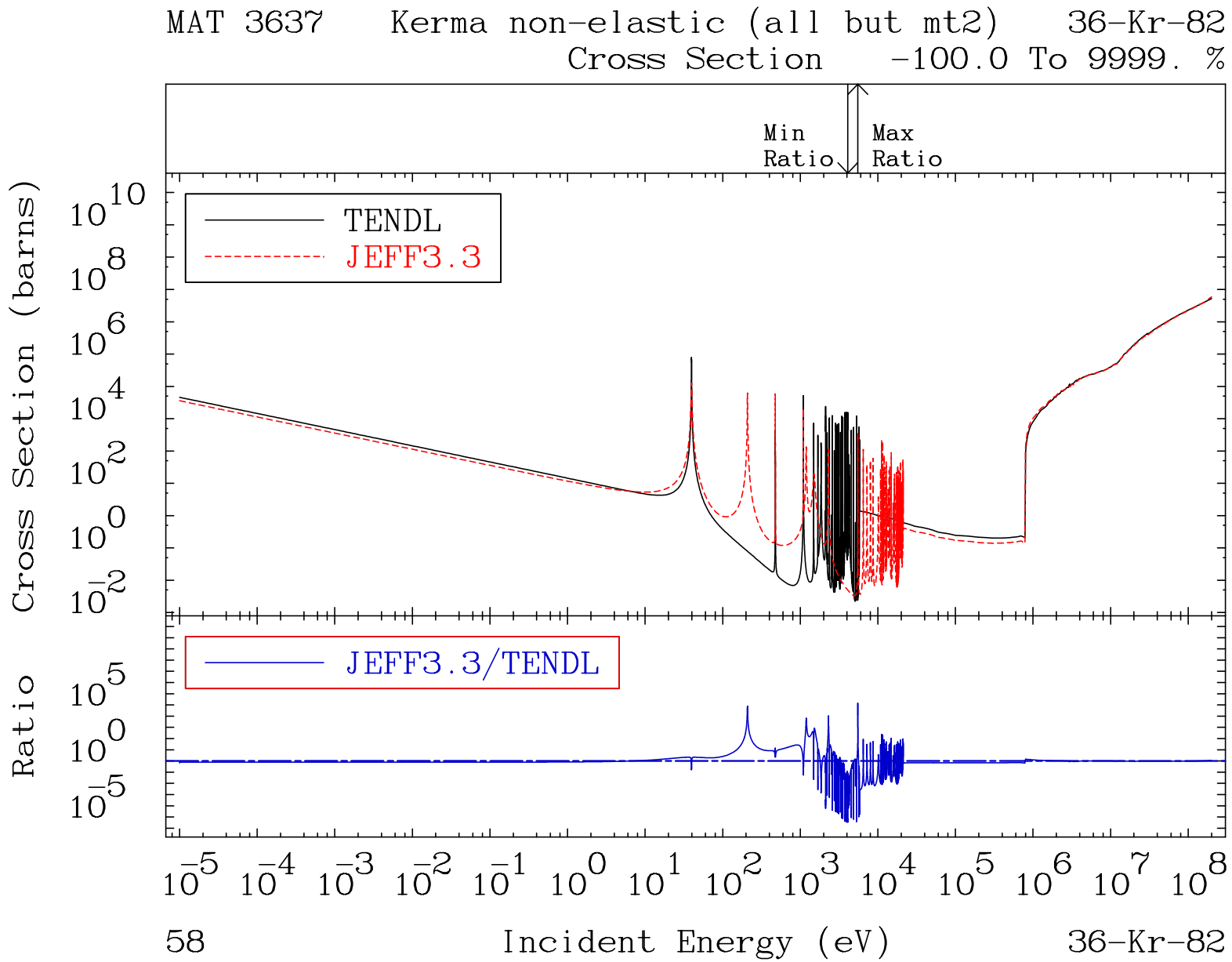

MAT 3637
Tritium Production
Cross Section
36-Kr-82
-5.970 To 76.55 %
Min Ratio
Max Ratio
TENDL Threshold 11.724 MeV
JEFF3.3 Threshold 11.722 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.6
1.2
2
3
4
5
6
7
8
9
10^8
2
53
Incident Energy (eV)
36-Kr-82

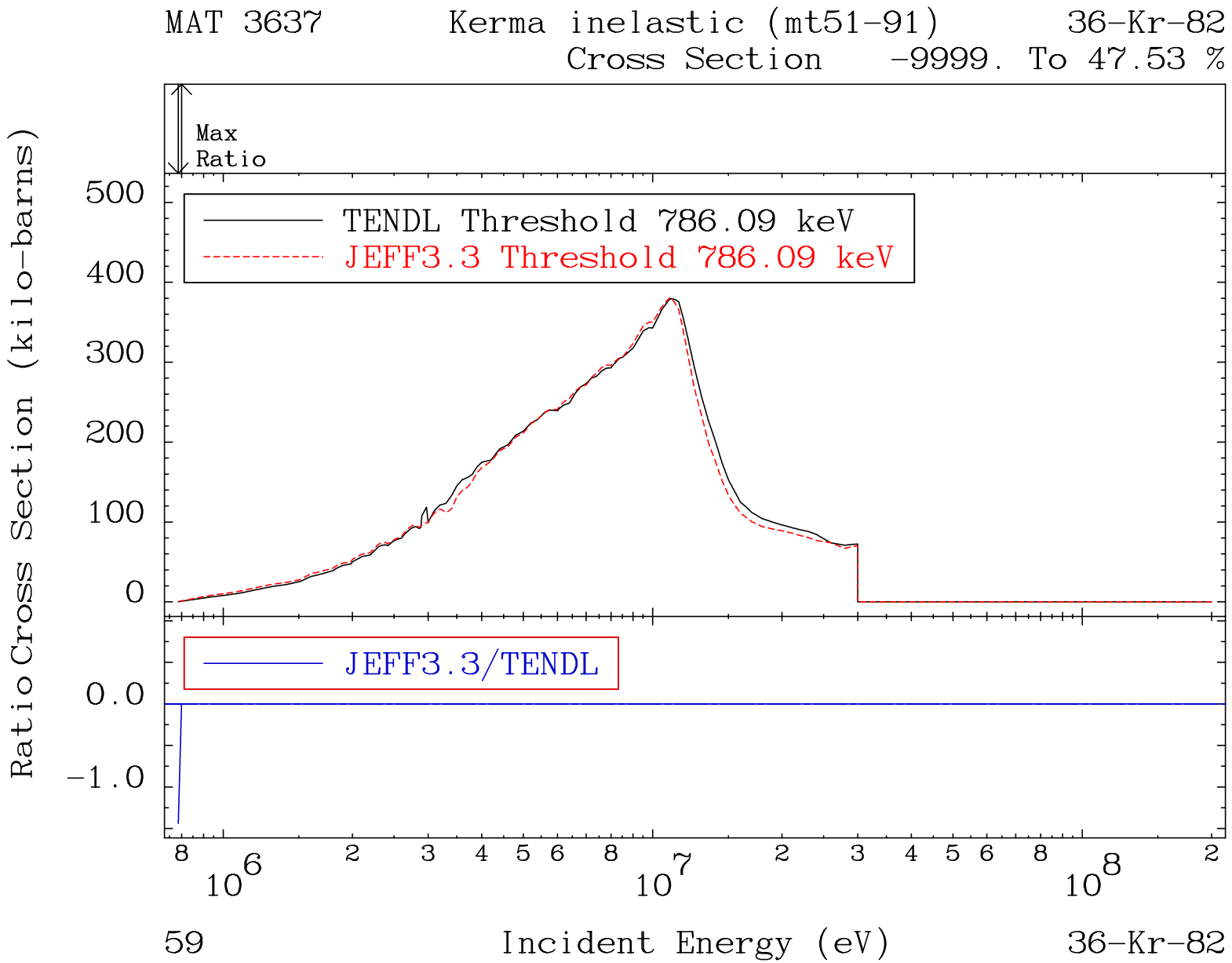

MAT 3637
He-3 Production
Cross Section
36-Kr-82
-4.346 To 1.291 %
Min
Ratio
Max
Ratio
TENDL Threshold 9.8115 MeV
JEFF3.3 Threshold 9.8101 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
1.00
0.95
10^7
2
3
4
5
6
7
8
9
10^8
2
54
Incident Energy (eV)
36-Kr-82

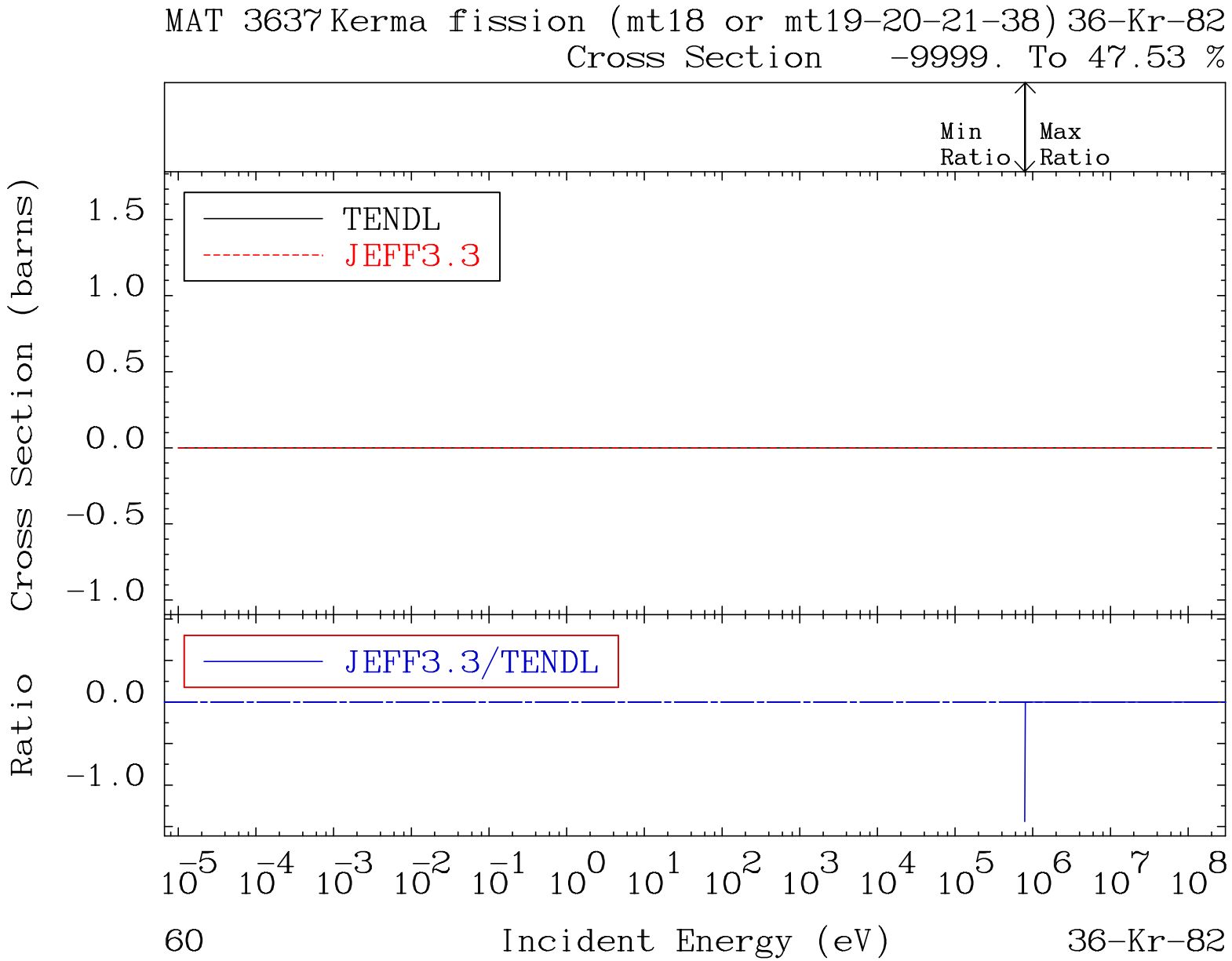

MAT 3637
He-4 Production
Cross Section
36-Kr-82
-16.48 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
36-Kr-82

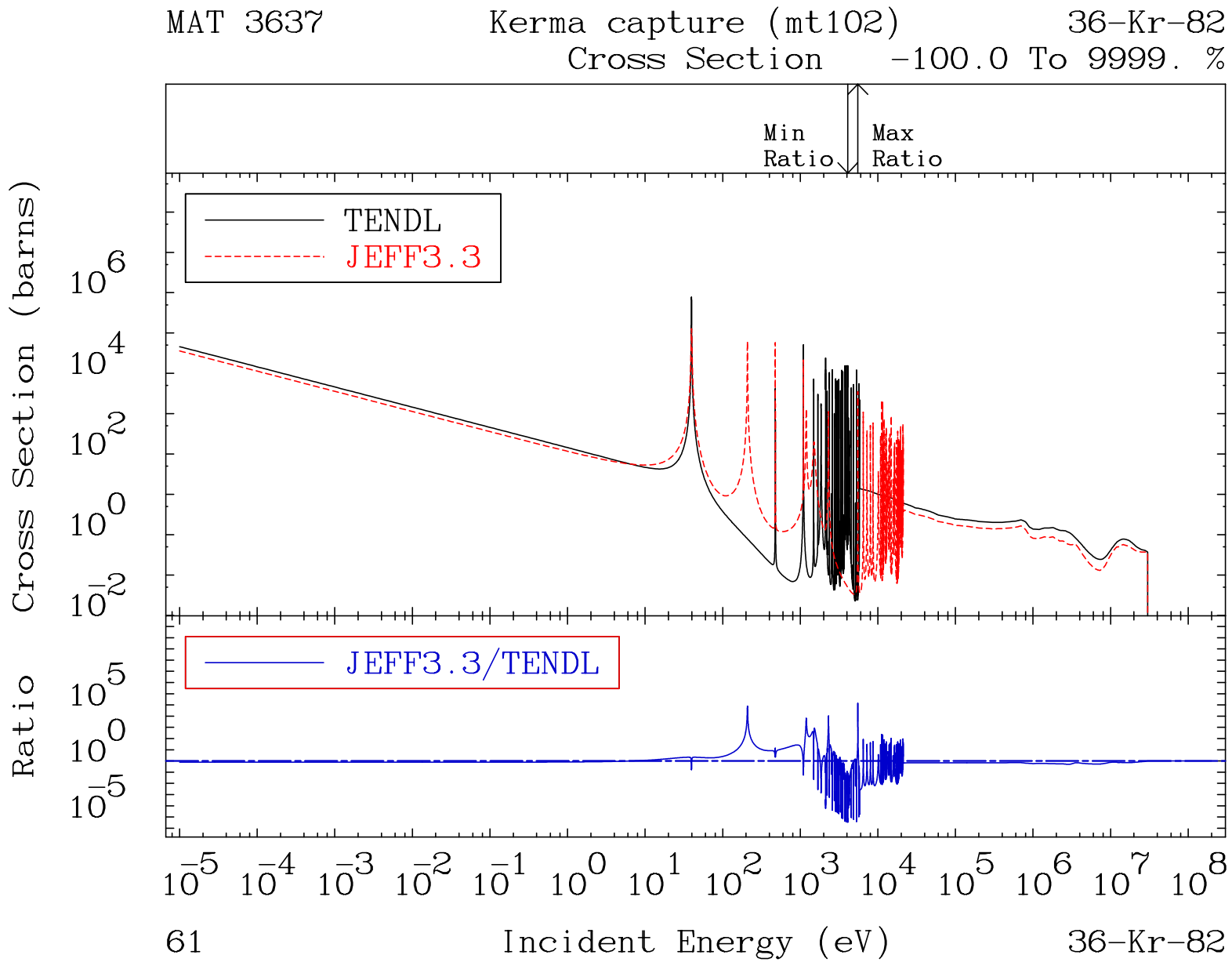

MAT 3637
Kerma total (eV-barns)
36-Kr-82
Cross Section -99.96 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
56
36-Kr-82

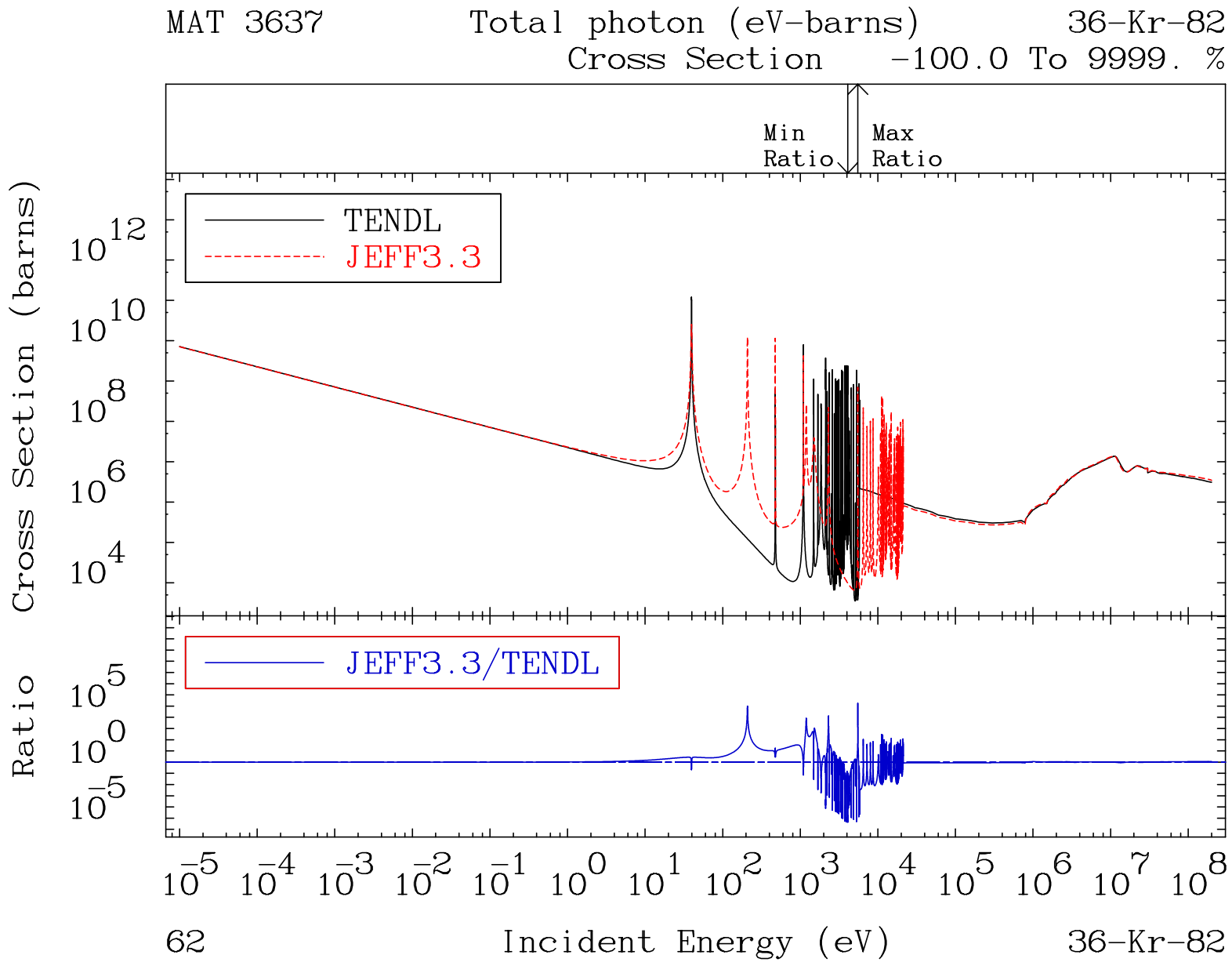

MAT 3637
Kerma elastic
Cross Section
36-Kr-82
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
36-Kr-82

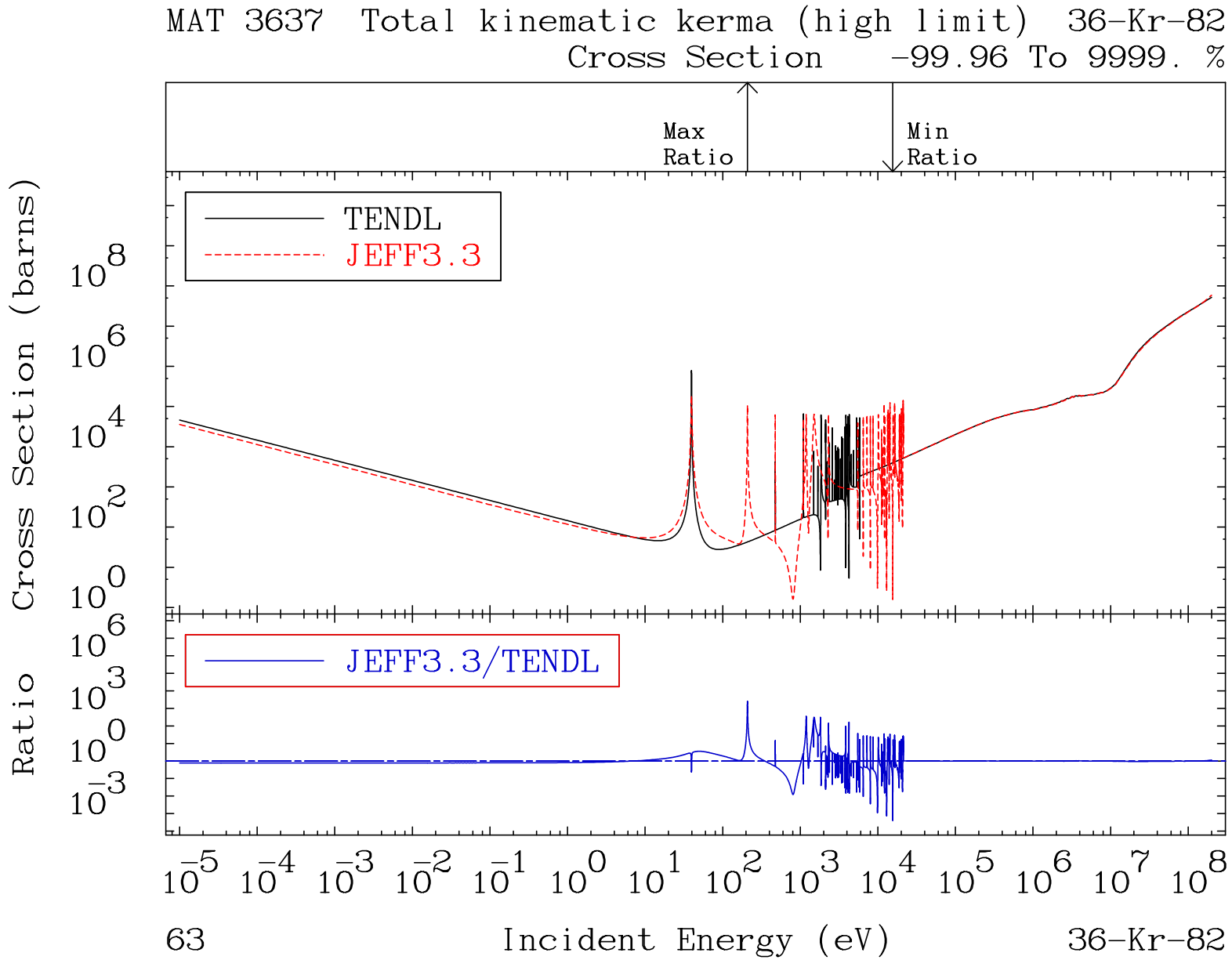

MAT 3637 Kerma non-elastic (all but mt2) 36-Kr-82
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
36-Kr-82

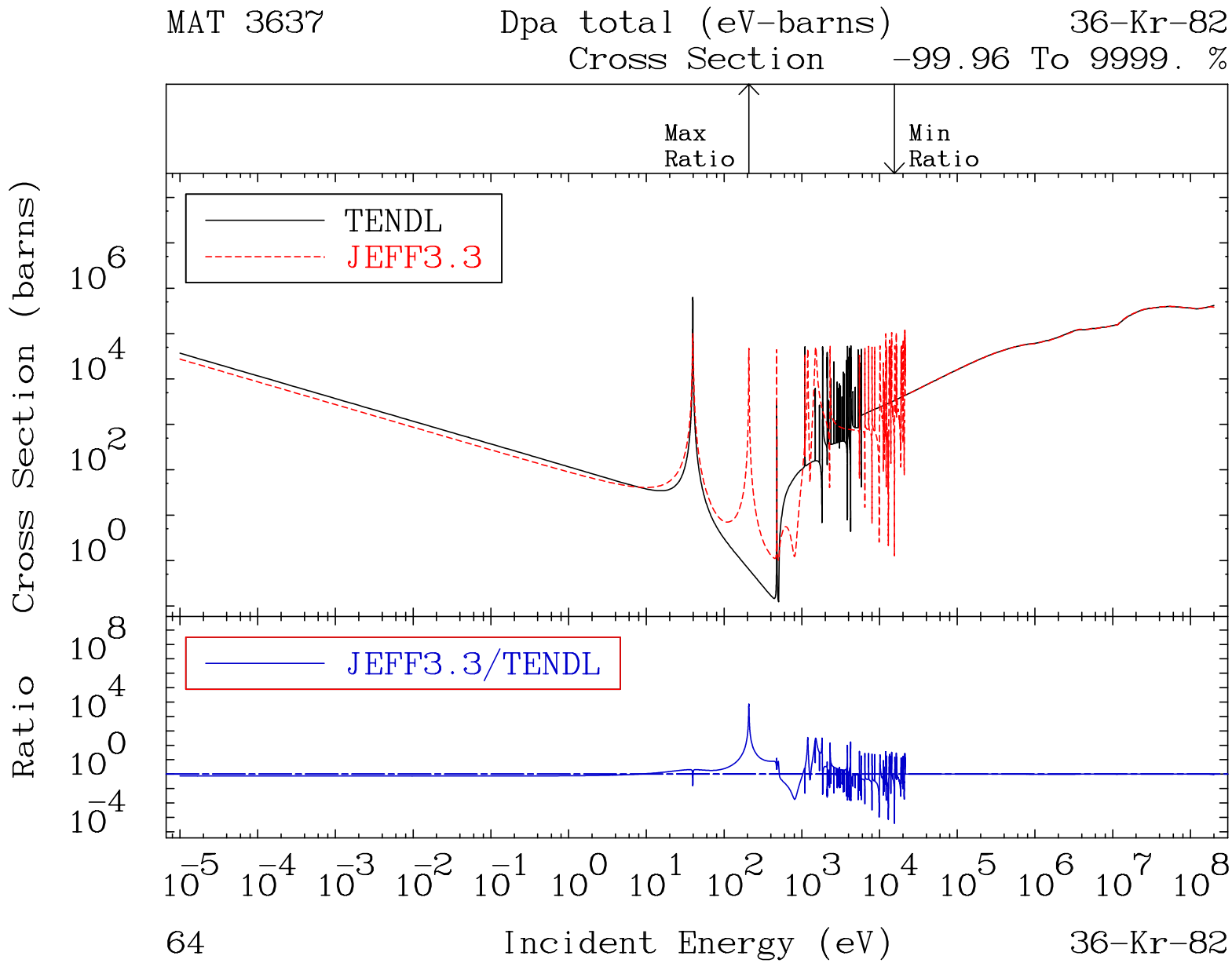

MAT 3637 Kerma inelastic (mt51-91) 36-Kr-82
Cross Section -9999. To 47.53 %
Max
Ratio
TENDL Threshold 786.09 keV
JEFF3.3 Threshold 786.09 keV
JEFF3.3/TENDL
Ratio Cross Section (kilo-barns)
500
400
300
200
100
0
0.0
-1.0
8 2 3 4 5 6 8 2 3 4 5 6 8 2
10^6 10^7 10^8
59
Incident Energy (eV)
36-Kr-82

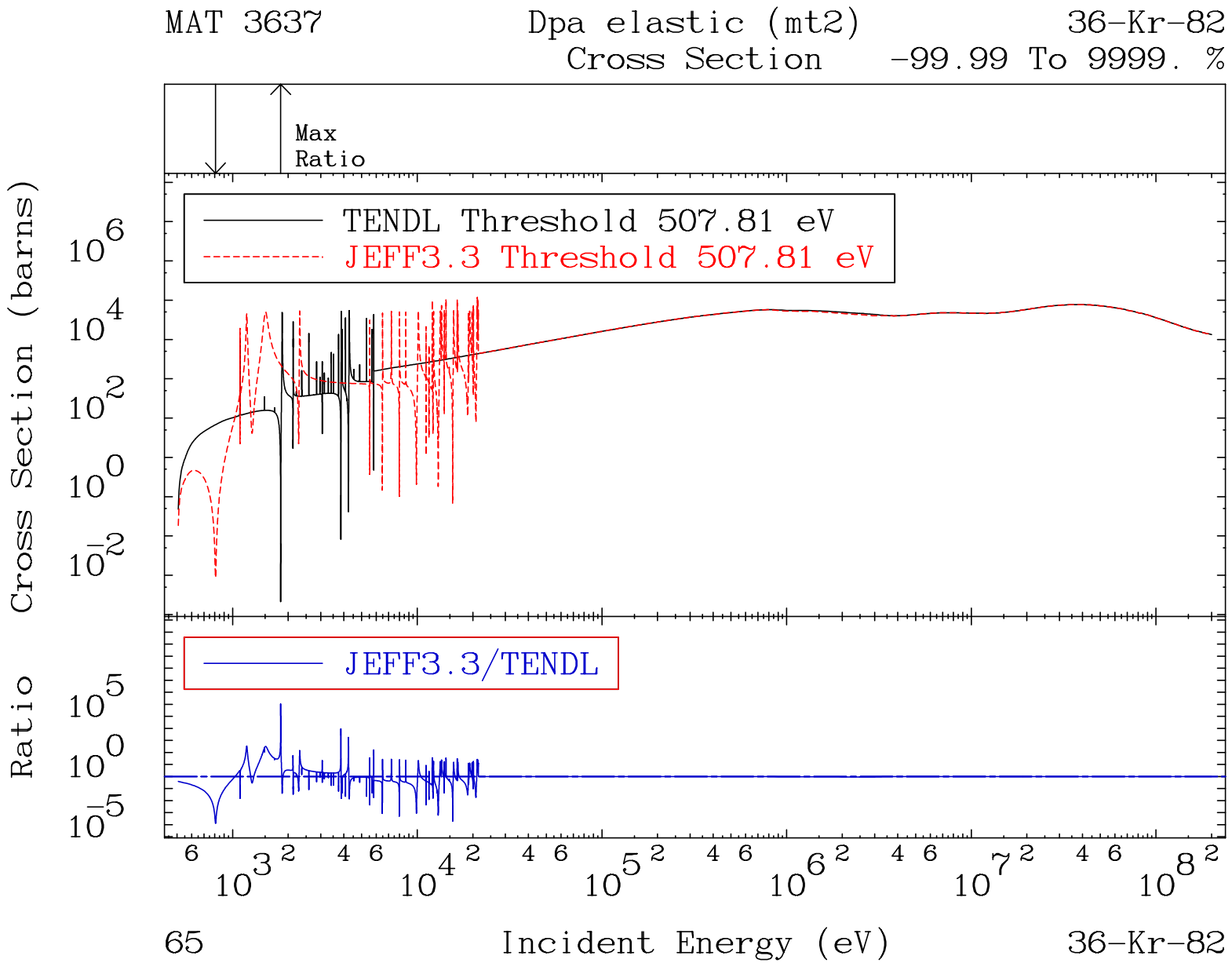

MAT 3637 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-82
Cross Section -9999. To 47.53 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
0.0
-1.0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
60
Incident Energy (eV)
36-Kr-82

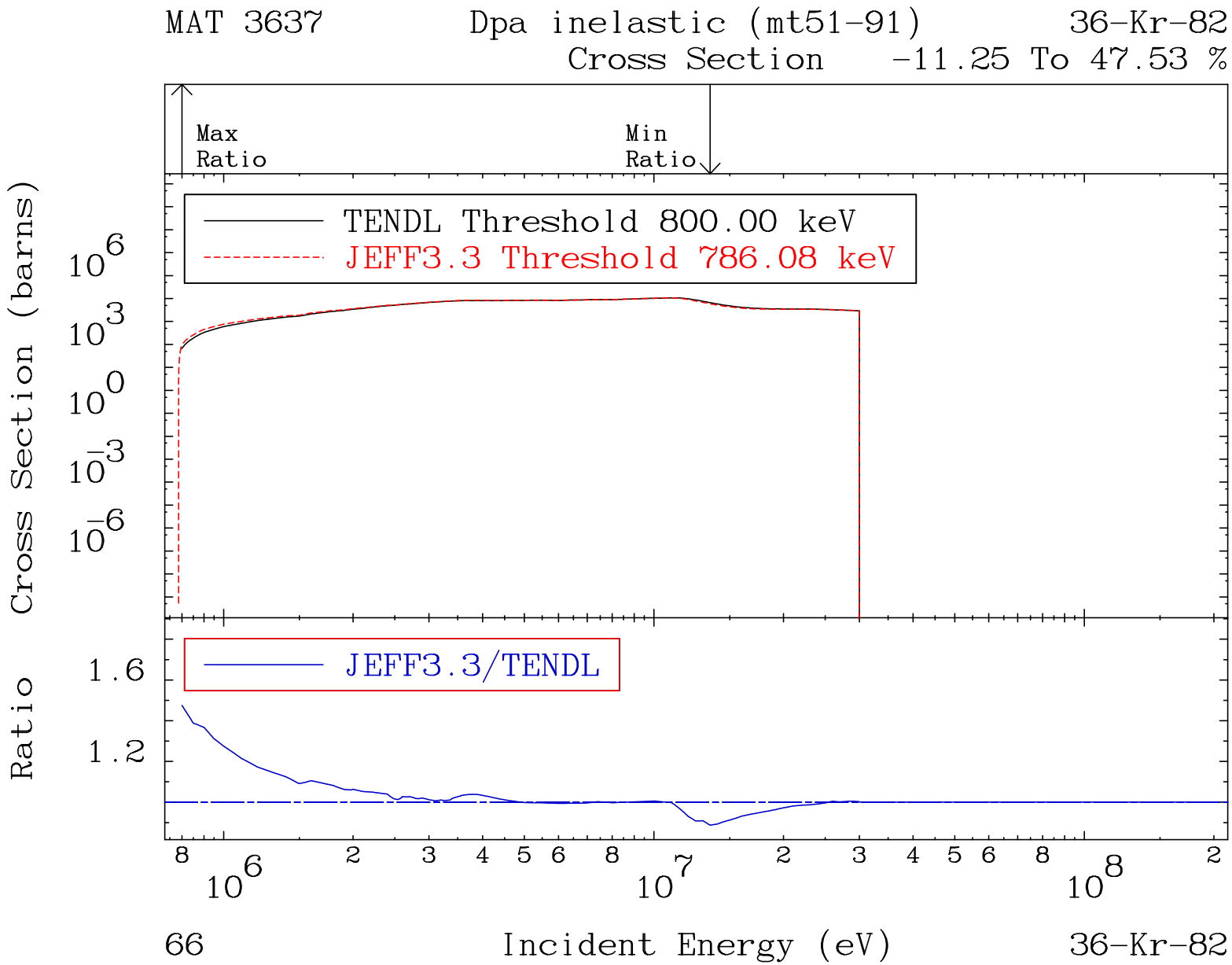

MAT 3637
Kerma capture (mt102)
36-Kr-82
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
61
36-Kr-82

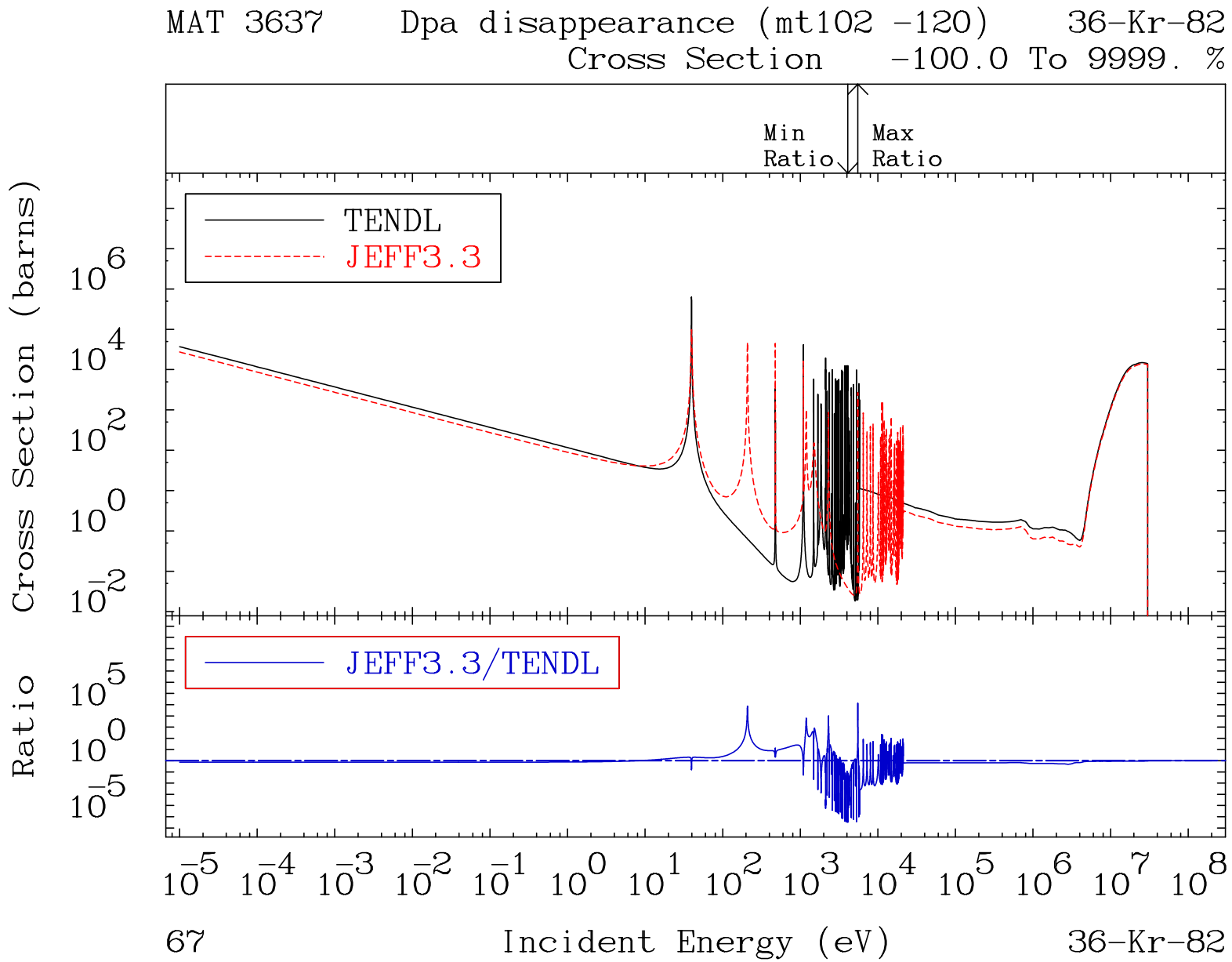

MAT 3637
Total photon (eV-barns)
36-Kr-82
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
36-Kr-82

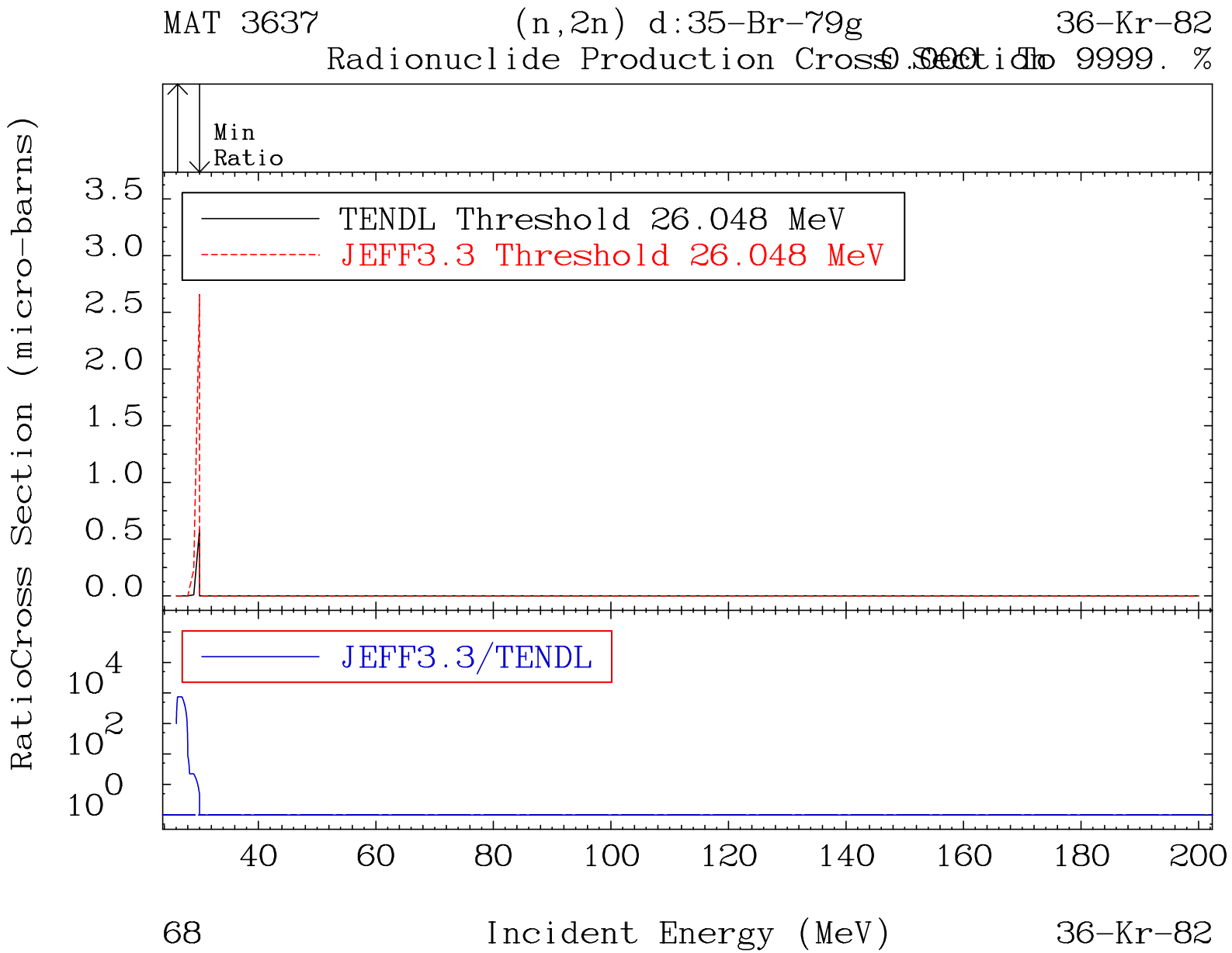

MAT 3637 Total kinematic kerma (high limit) 36-Kr-82
Cross Section -99.96 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
36-Kr-82

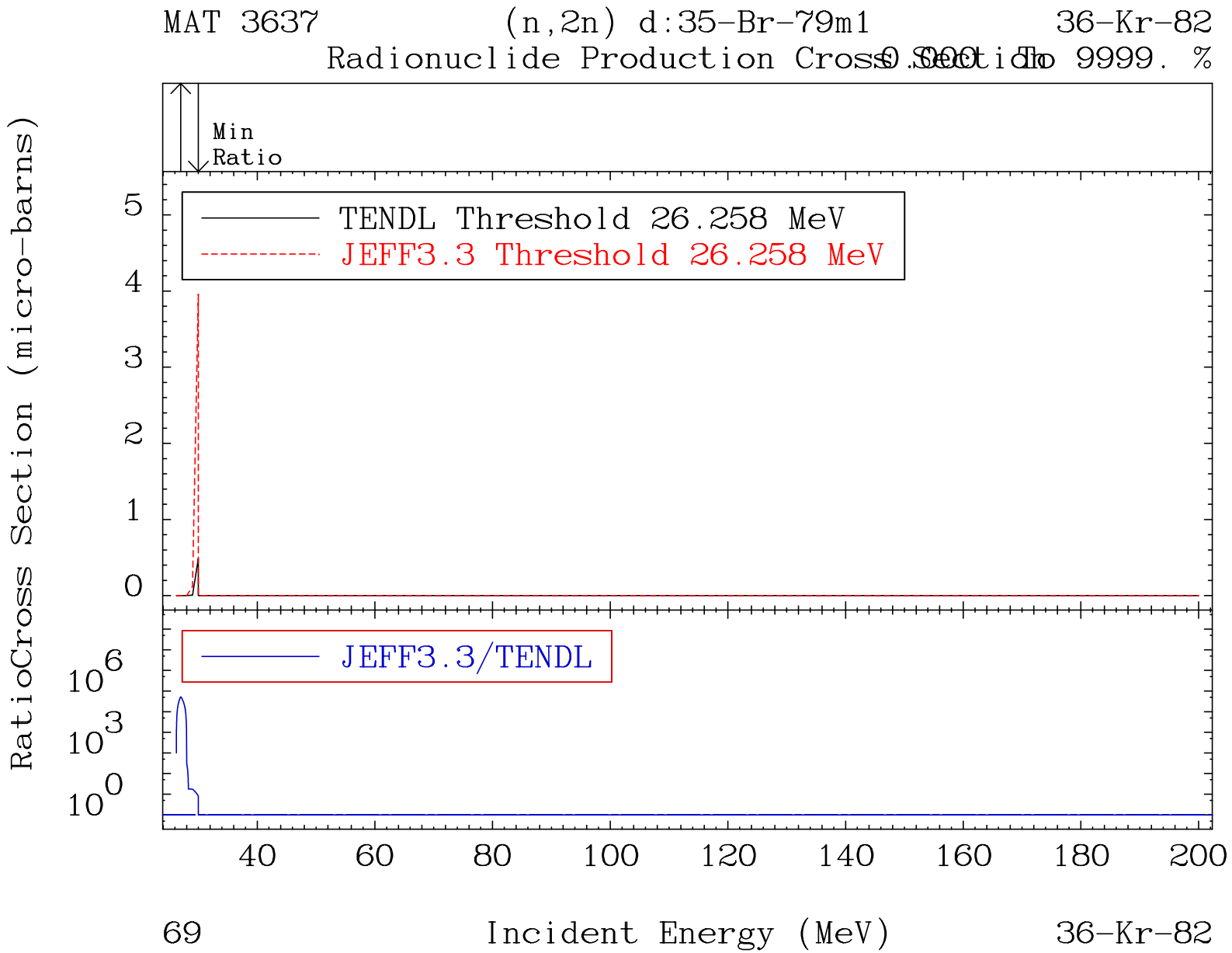

MAT 3637
Dpa total (eV-barns)
36-Kr-82
Cross Section
-99.96 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
36-Kr-82

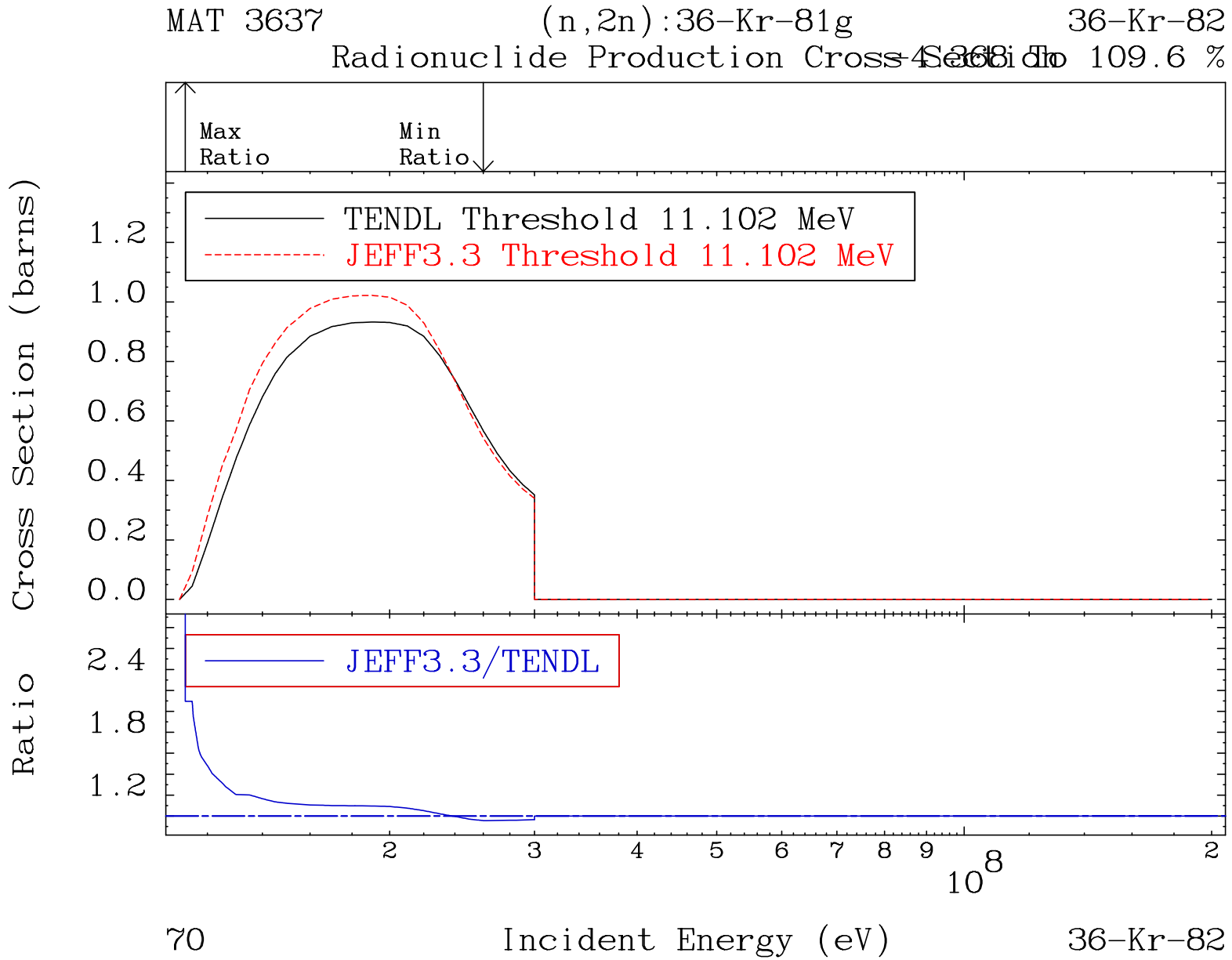

MAT 3637
Dpa elastic (mt2)
Cross Section
36-Kr-82
-99.99 To 9999. %
Max
Ratio
TENDL Threshold 507.81 eV
JEFF3.3 Threshold 507.81 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
65
36-Kr-82

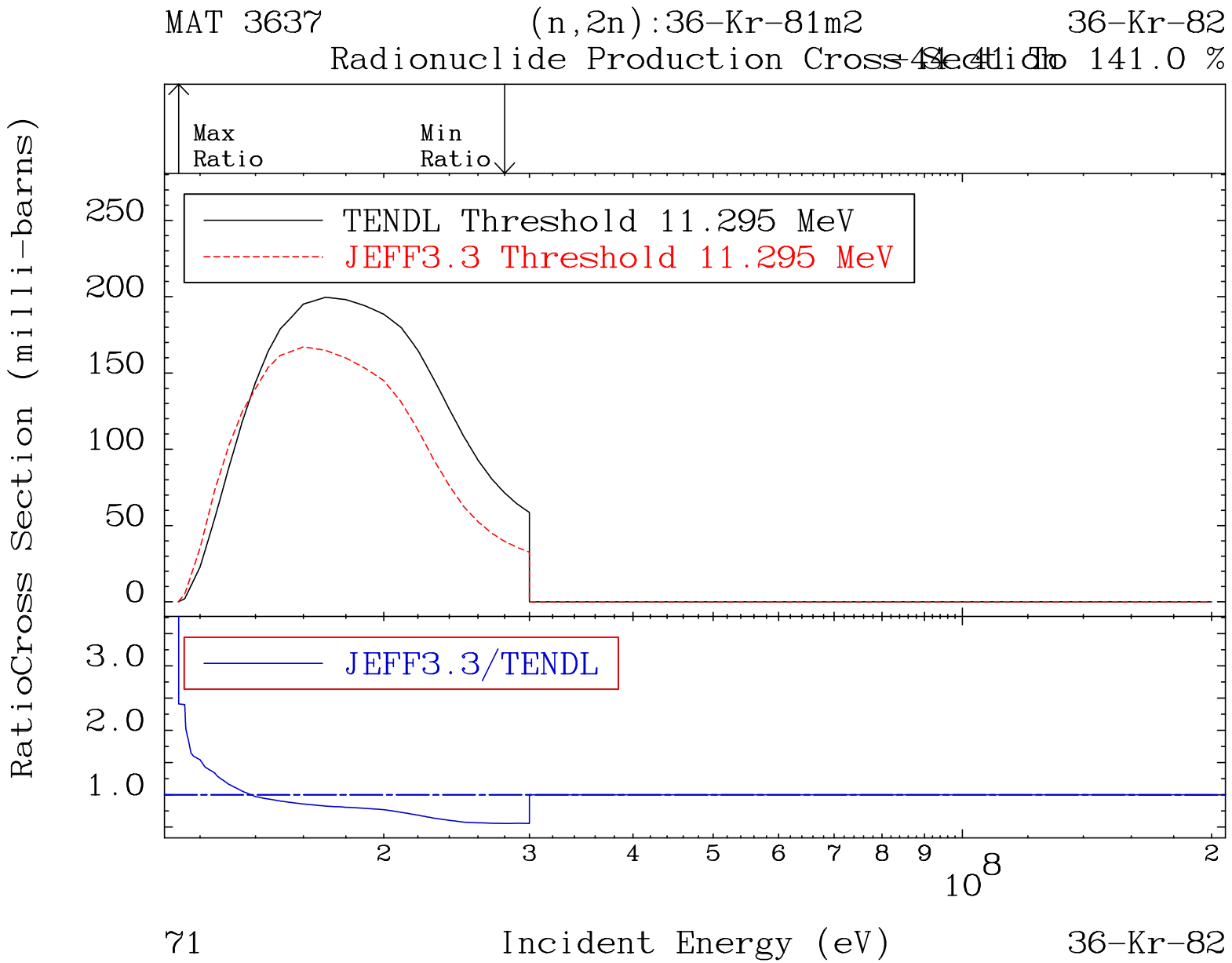

MAT 3637
Dpa inelastic (mt51-91)
36-Kr-82
Cross Section
-11.25 To 47.53 %
Max Ratio
Min Ratio
TENDL Threshold 800.00 keV
JEFF3.3 Threshold 786.08 keV
Cross Section (barns)
10^6
10^3
10^0
10^-3
10^-6
JEFF3.3/TENDL
Ratio
1.6
1.2
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
66
Incident Energy (eV)
36-Kr-82

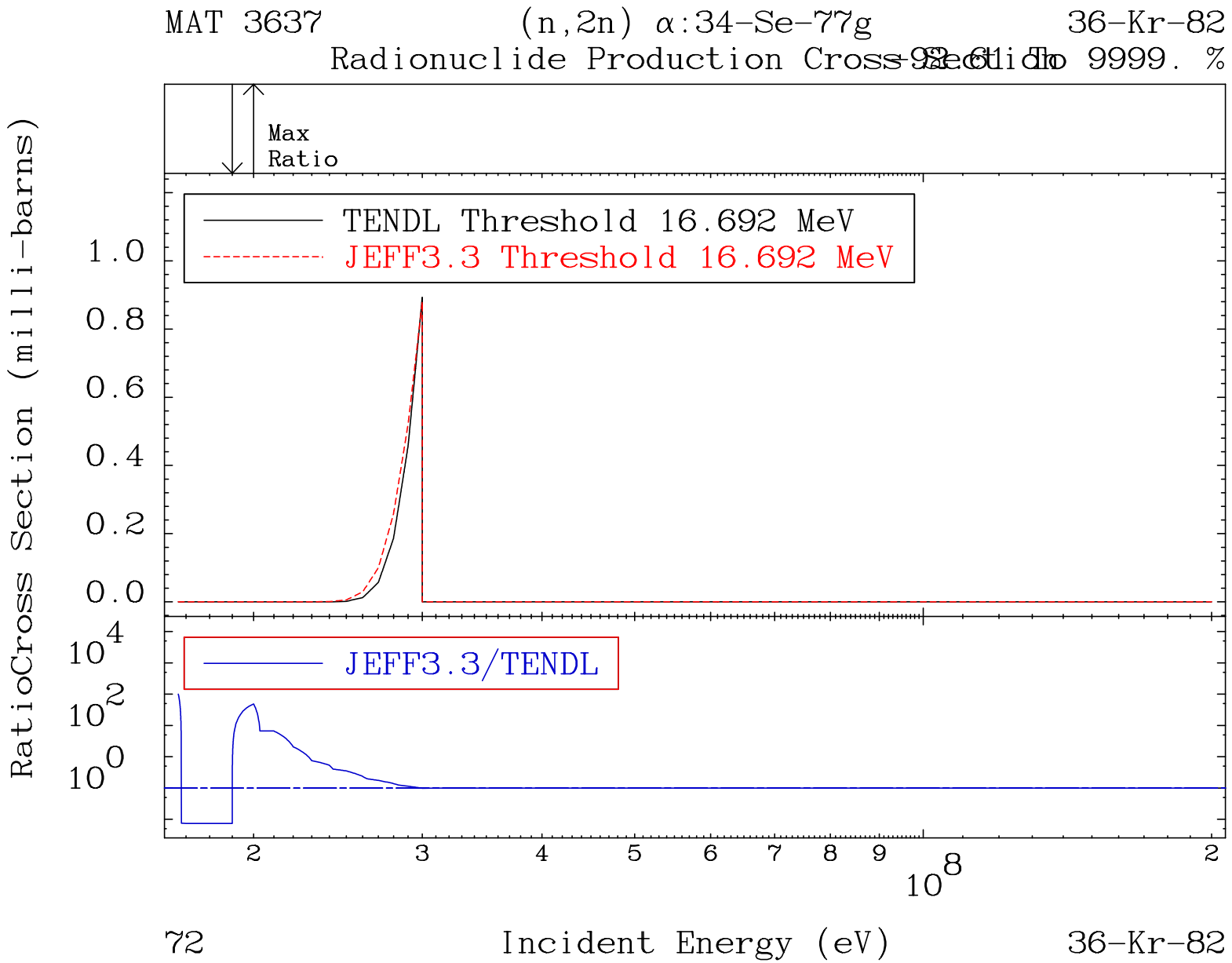

MAT 3637 Dpa disappearance (mt102 -120) 36-Kr-82
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
67
36-Kr-82

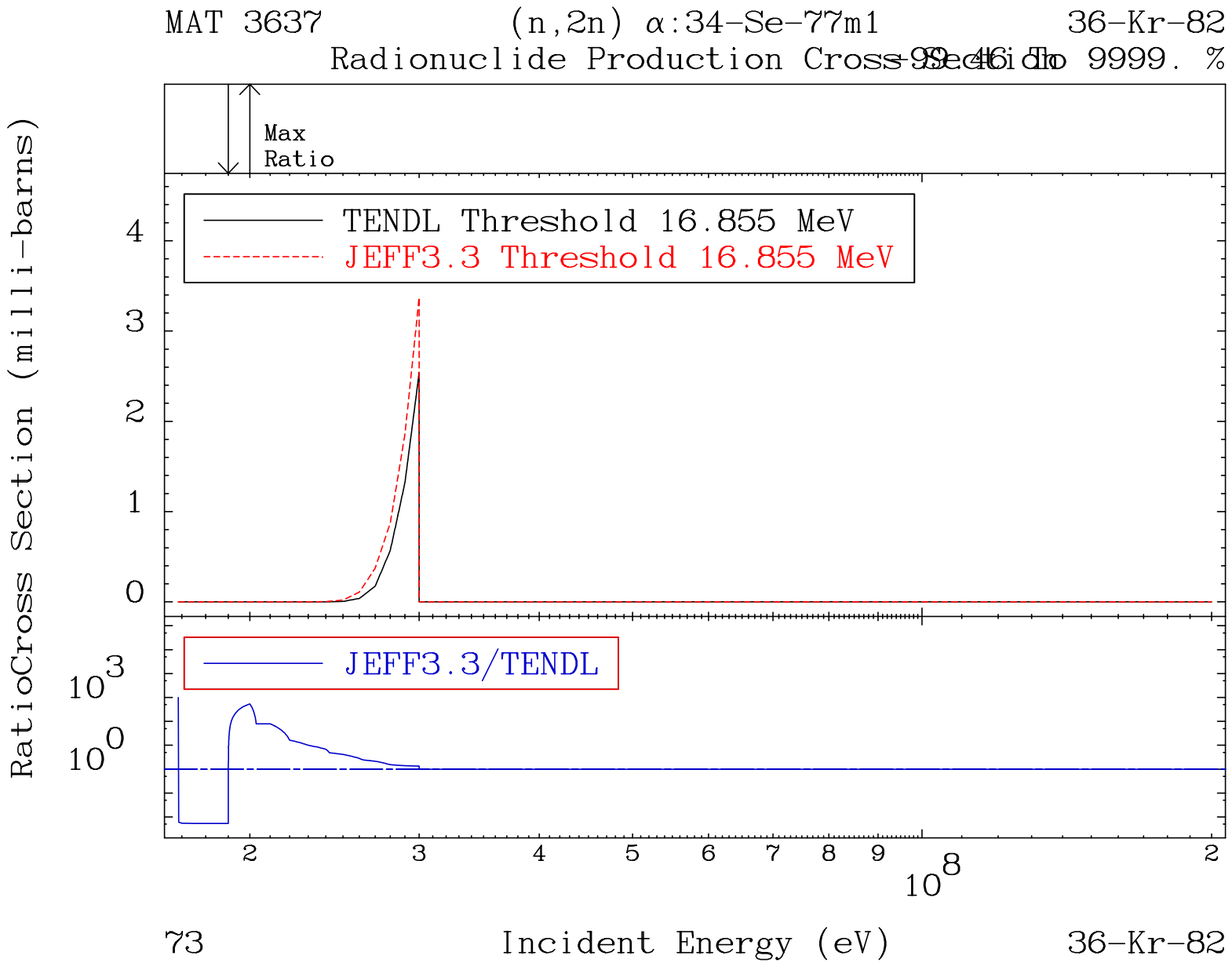

MAT 3637
(n,2n) d:35-Br-79g
36-Kr-82
Radionuclide Production Cross Section
0.000 To 9999. %
Min
Ratio
TENDL Threshold 26.048 MeV
JEFF3.3 Threshold 26.048 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
10^4
10^2
10^0
40
60
80
100
120
140
160
180
200
68
Incident Energy (MeV)
36-Kr-82

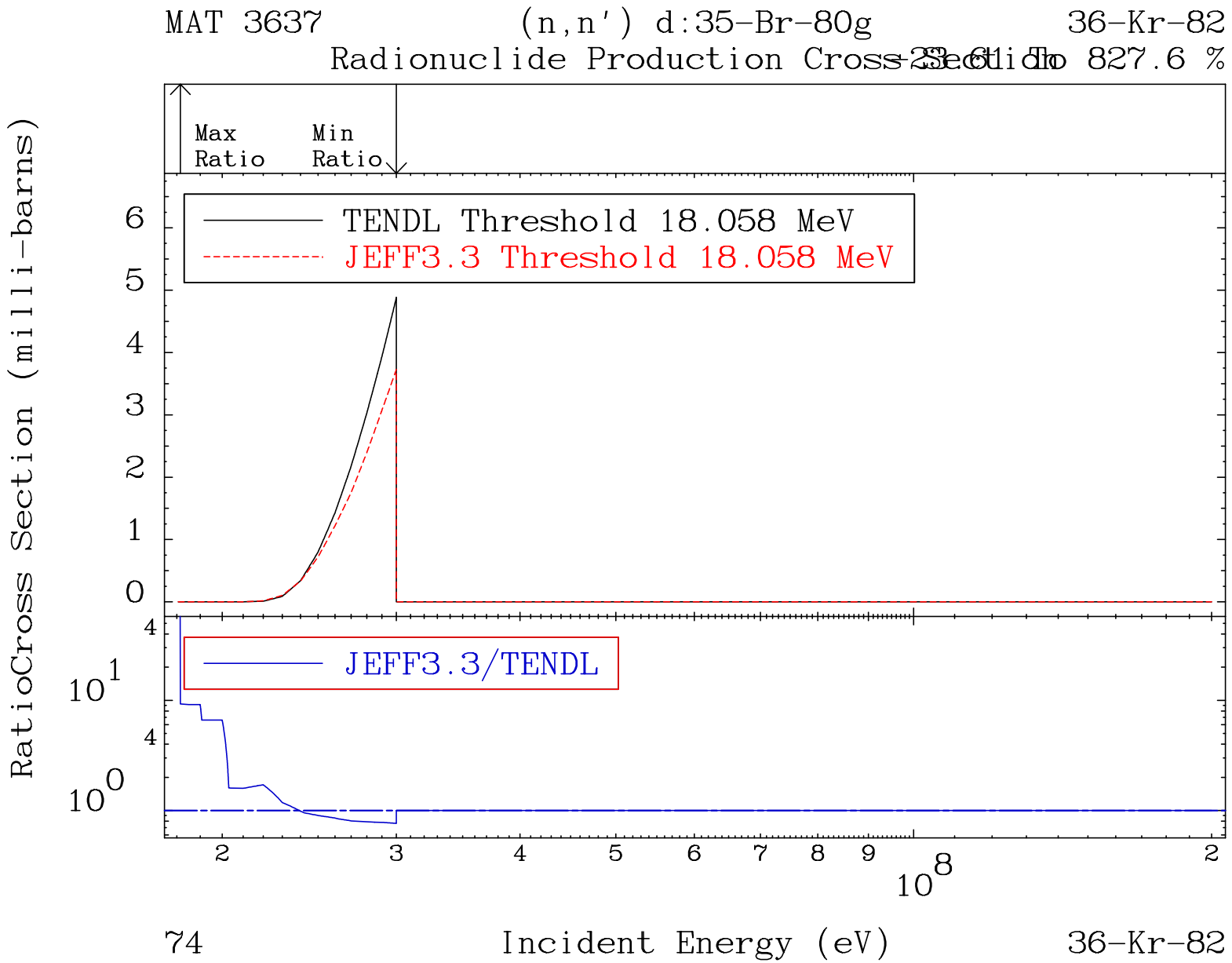

MAT 3637
(n,2n) d:35-Br-79m1
36-Kr-82
Radionuclide Production Cross Section
0.000 To 9999. %
Min
Ratio
TENDL Threshold 26.258 MeV
JEFF3.3 Threshold 26.258 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
0
1
2
3
4
5
10^6
10^3
10^0
40
60
80
100
120
140
160
180
200
69
Incident Energy (MeV)
36-Kr-82

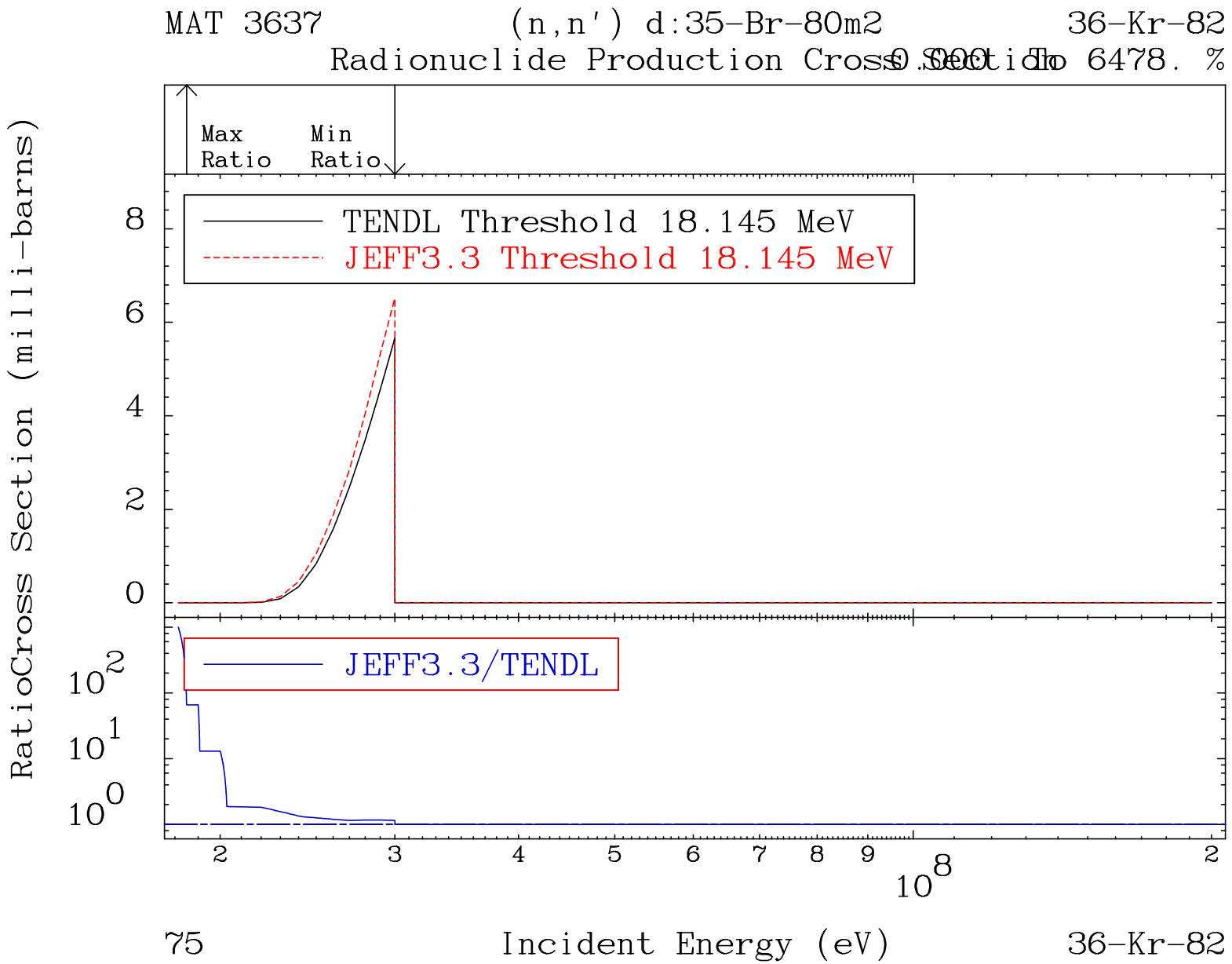

MAT 3637
(n,2n):36-Kr-81g
36-Kr-82
Radionuclide Production Cross-Section To 109.6 %
Max Ratio
Min Ratio
TENDL Threshold 11.102 MeV
JEFF3.3 Threshold 11.102 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
2.4
1.8
1.2
2
3
4
5
6
7
8
9
2
10^8
70
Incident Energy (eV)
36-Kr-82

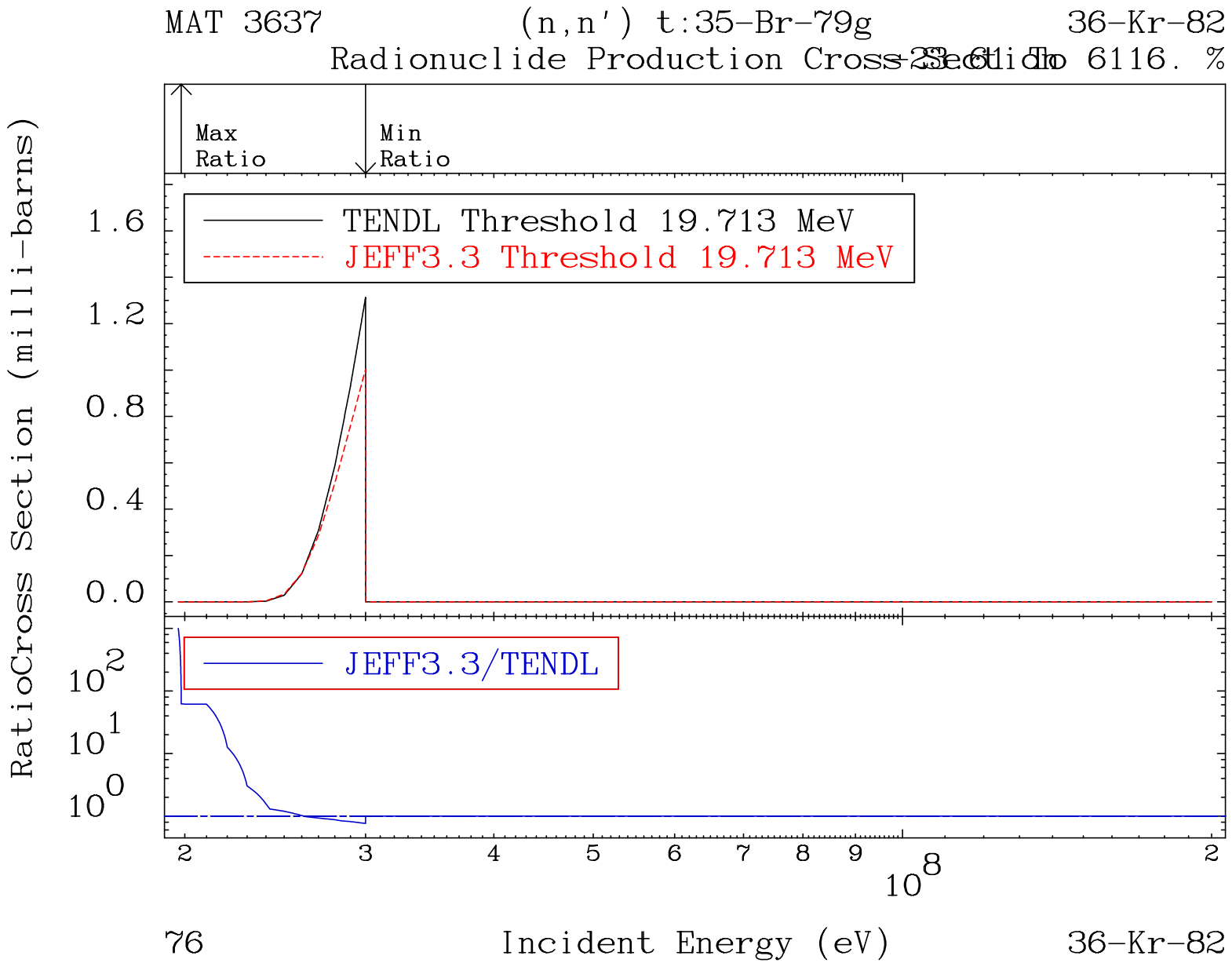

MAT 3637
(n,2n):36-Kr-81m2
36-Kr-82
Radionuclide Production Cross Section To 141.0 %
Max Ratio
Min Ratio
TENDL Threshold 11.295 MeV
JEFF3.3 Threshold 11.295 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
3.0
2.0
1.0
2
3
4
5
6
7
8
9
2
10^8
71
Incident Energy (eV)
36-Kr-82

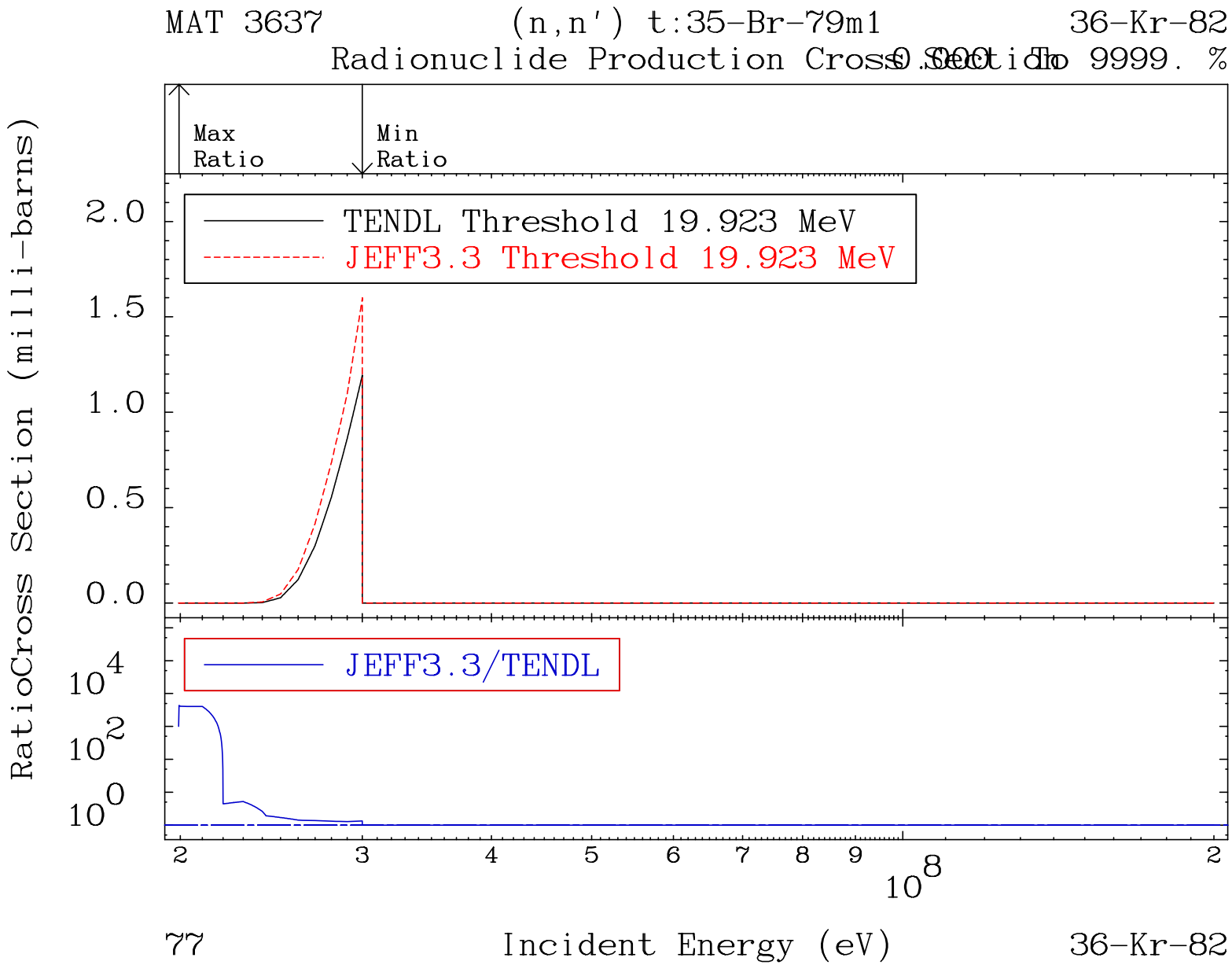

MAT 3637
(n,2n) α:34-Se-77g
36-Kr-82
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 16.692 MeV
JEFF3.3 Threshold 16.692 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
10^4
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
72
Incident Energy (eV)
36-Kr-82

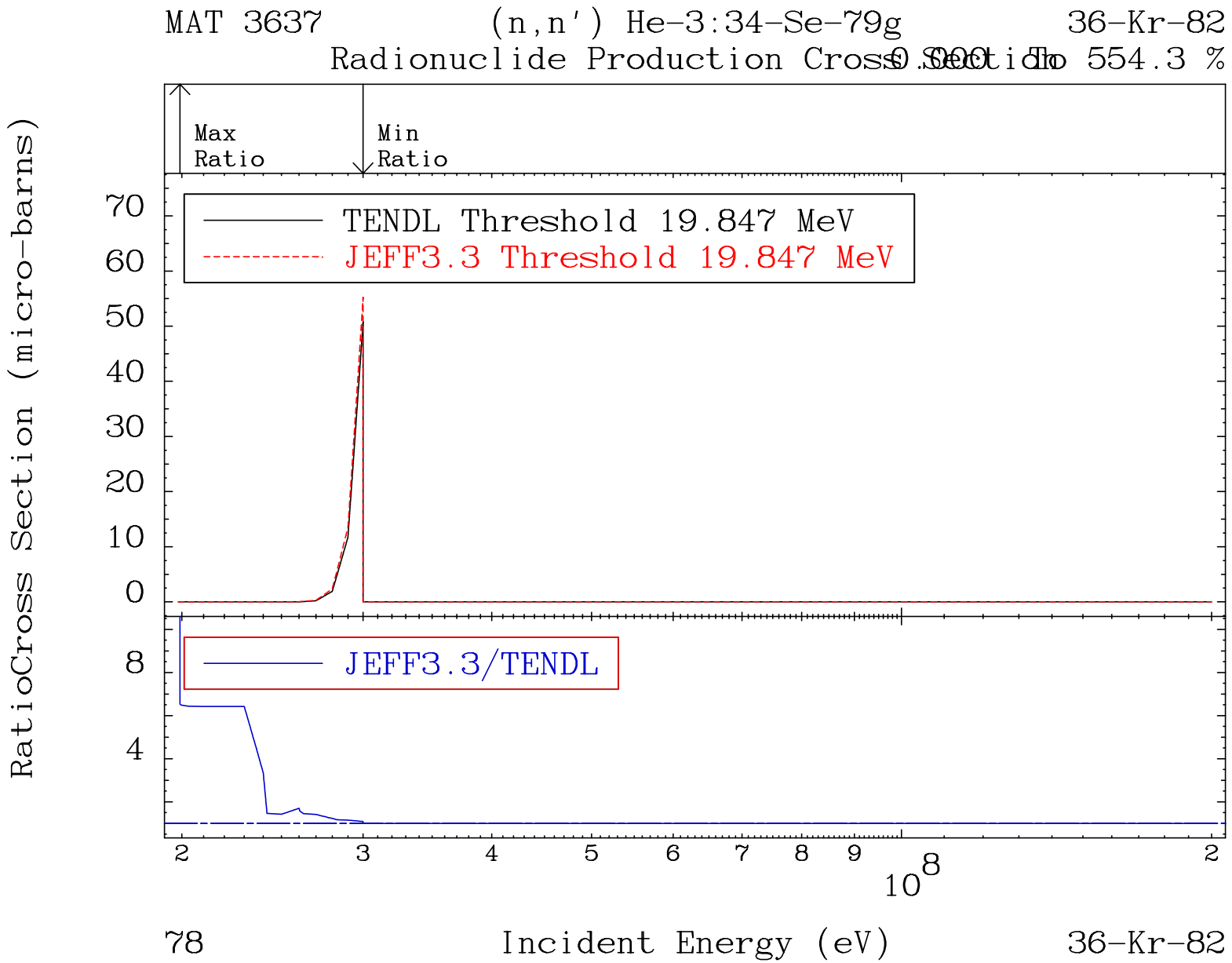

MAT 3637
(n,2n) α:34-Se-77m1
36-Kr-82
Radionuclide Production Cross Section From 9999. %
Max
Ratio
TENDL Threshold 16.855 MeV
JEFF3.3 Threshold 16.855 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
73
36-Kr-82

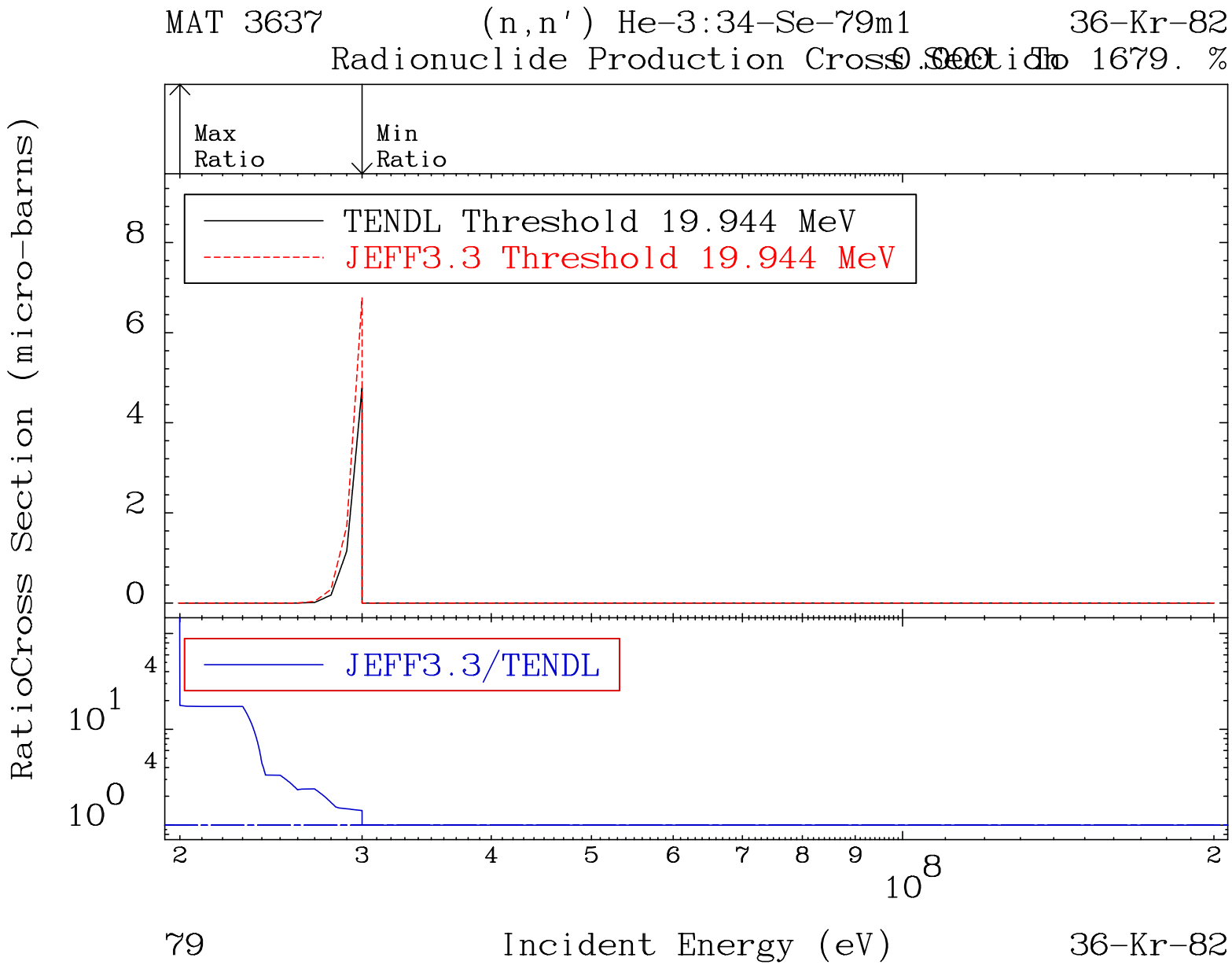

MAT 3637
(n,n') d:35-Br-80g
36-Kr-82
Radionuclide Production Cross Section To 827.6 %
Max Ratio
Min Ratio
TENDL Threshold 18.058 MeV
JEFF3.3 Threshold 18.058 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
74
36-Kr-82

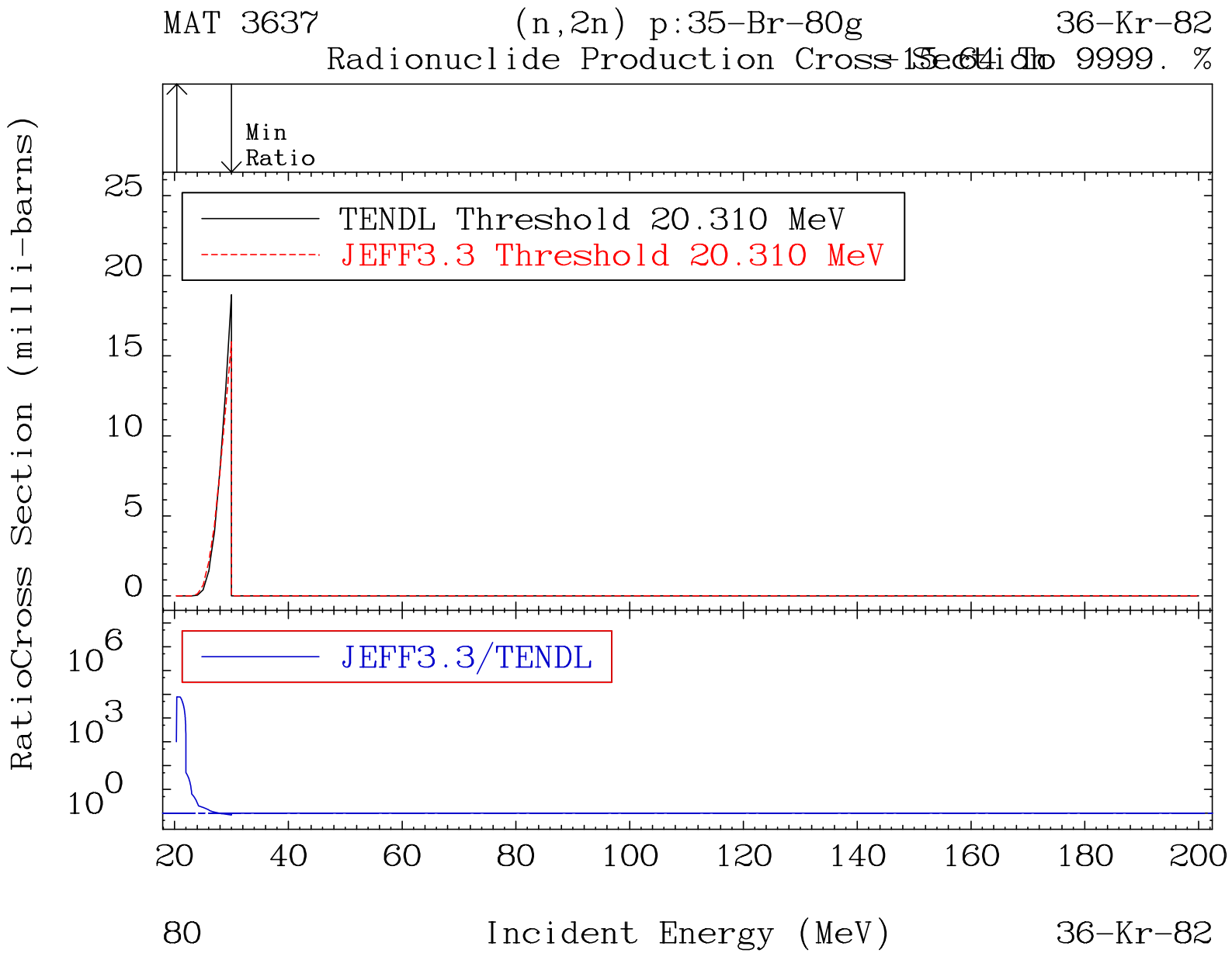

MAT 3637
(n,n') d:35-Br-80m2
36-Kr-82
Radionuclide Production Cross Section
0.000 To 6478. %
Max Ratio
Min Ratio
TENDL Threshold 18.145 MeV
JEFF3.3 Threshold 18.145 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
75
36-Kr-82

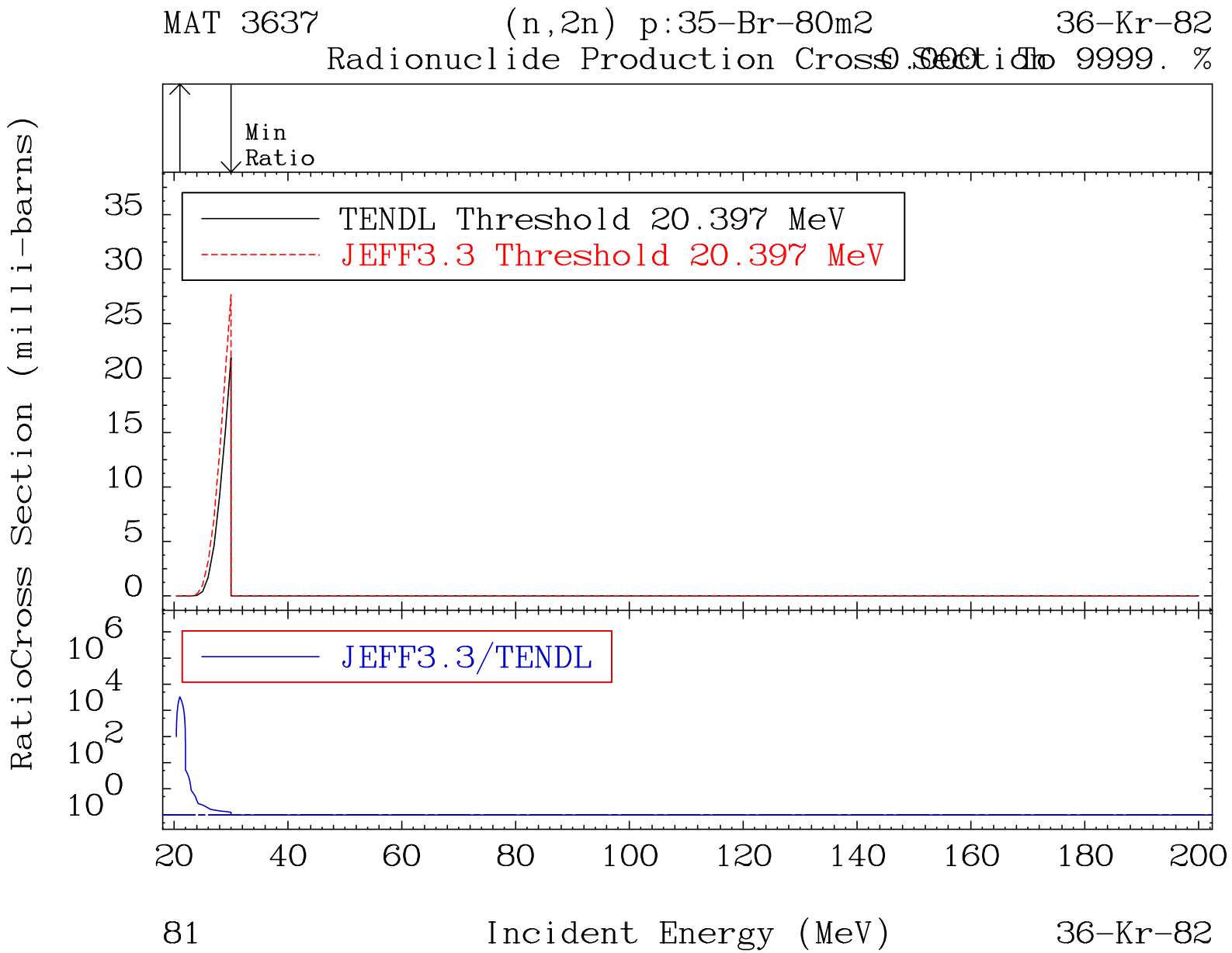

MAT 3637
(n,n') t:35-Br-79g
36-Kr-82
Radionuclide Production Cross Section To 6116. %
Max Ratio
Min Ratio
TENDL Threshold 19.713 MeV
JEFF3.3 Threshold 19.713 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
76
Incident Energy (eV)
36-Kr-82

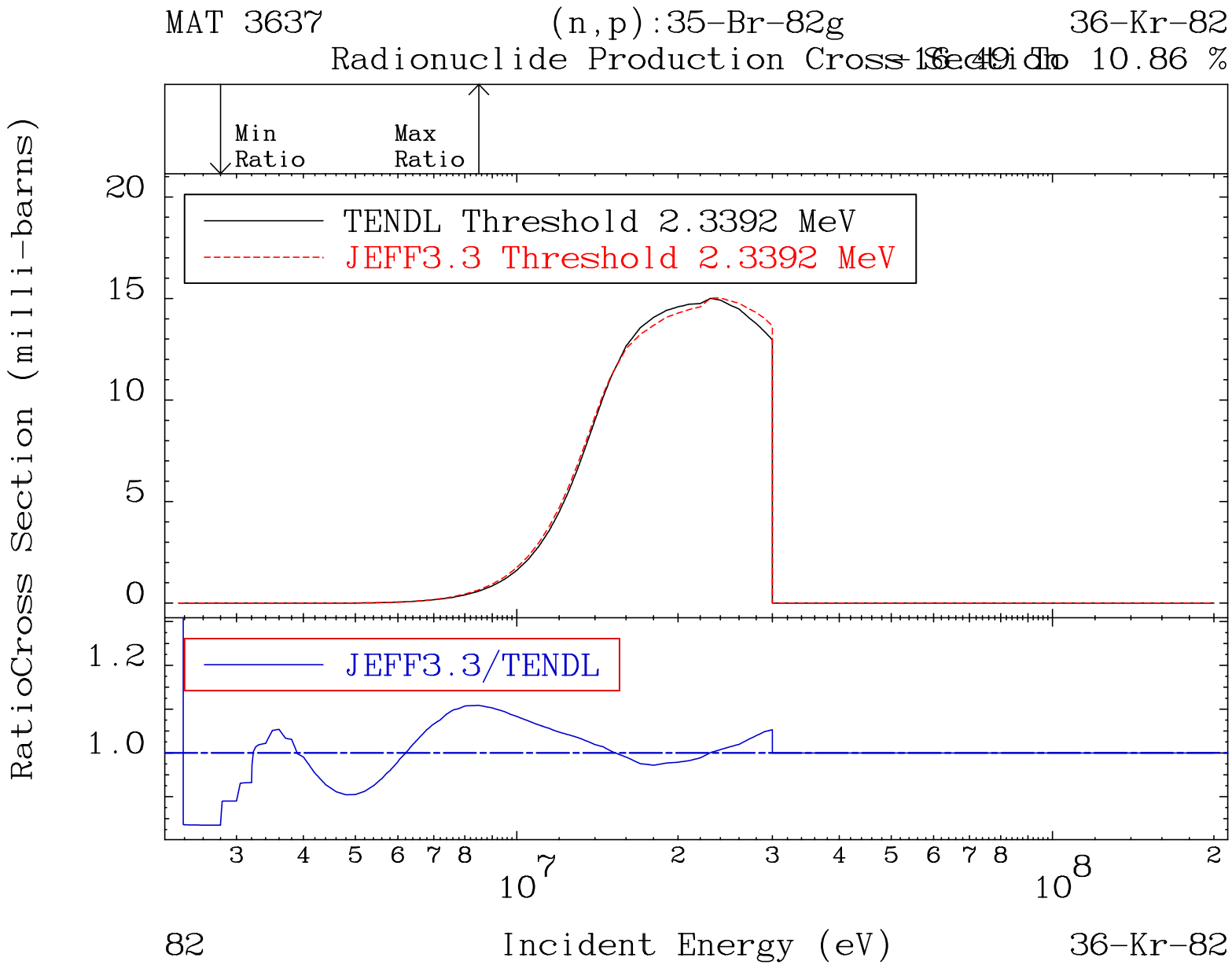

MAT 3637
(n,n') t:35-Br-79m1
36-Kr-82
Radionuclide Production Cross Section
0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 19.923 MeV
JEFF3.3 Threshold 19.923 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
10^4
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
77
Incident Energy (eV)
36-Kr-82

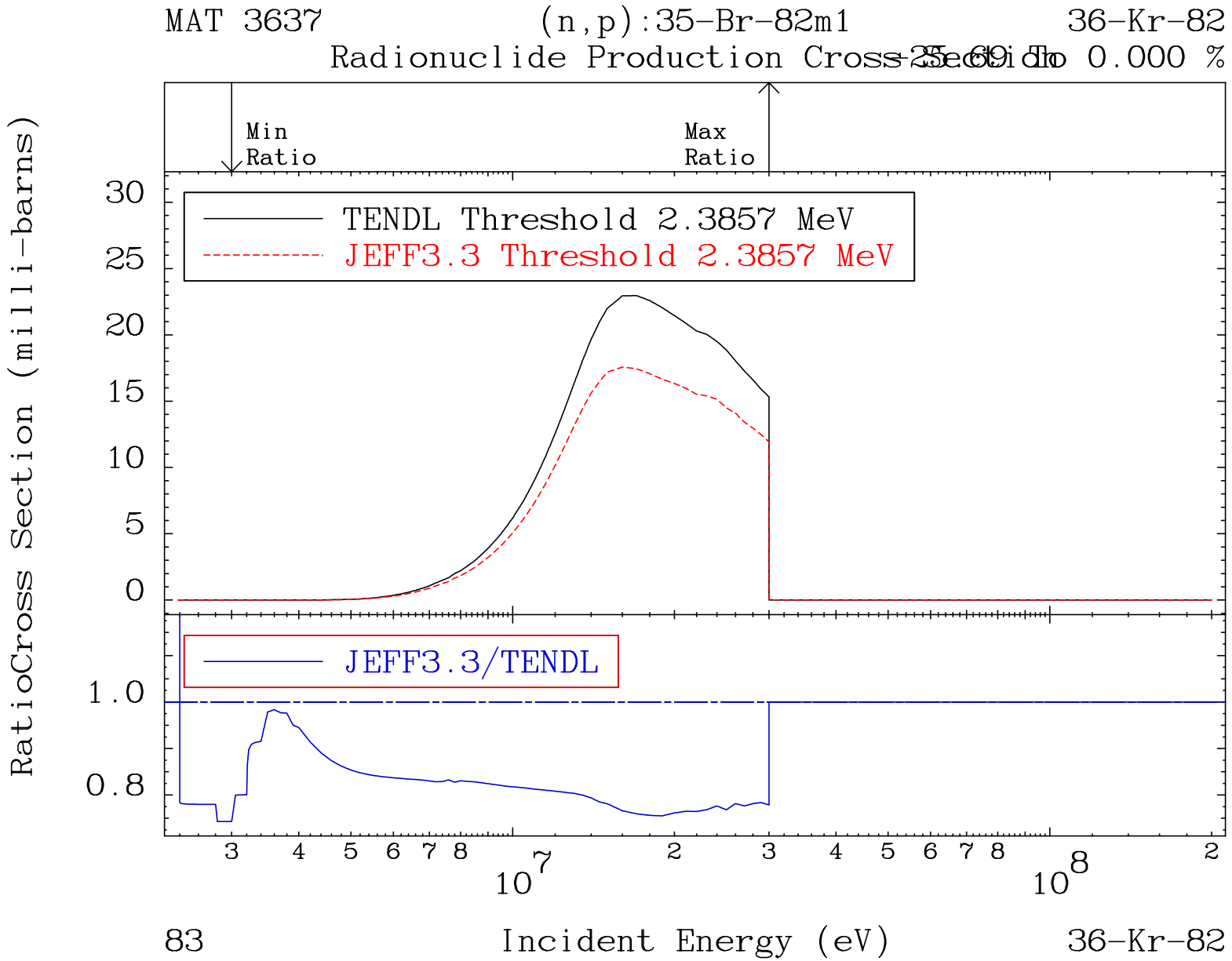

MAT 3637 (n,n') He-3:34-Se-79g 36-Kr-82
Radionuclide Production Cross Section To 554.3 %
Max Ratio
Min Ratio
TENDL Threshold 19.847 MeV
JEFF3.3 Threshold 19.847 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
70
60
50
40
30
20
10
0
8
4
2
3
4
5
6
7
8
9
10^8
2
78
Incident Energy (eV)
36-Kr-82

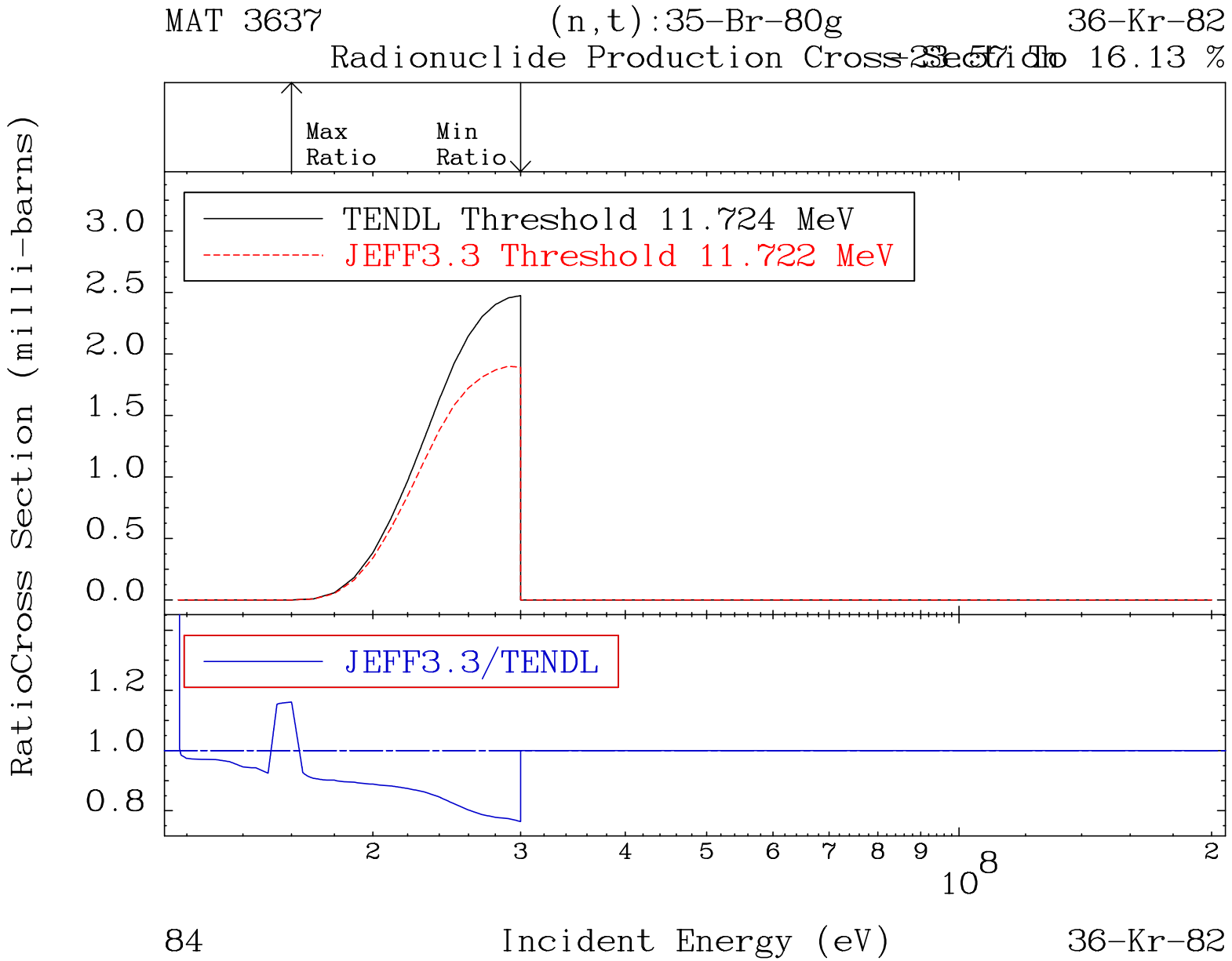

MAT 3637 (n,n') He-3:34-Se-79m1 36-Kr-82
Radionuclide Production Cross Section To 1679. %
Max Ratio
Min Ratio
TENDL Threshold 19.944 MeV
JEFF3.3 Threshold 19.944 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
79
36-Kr-82

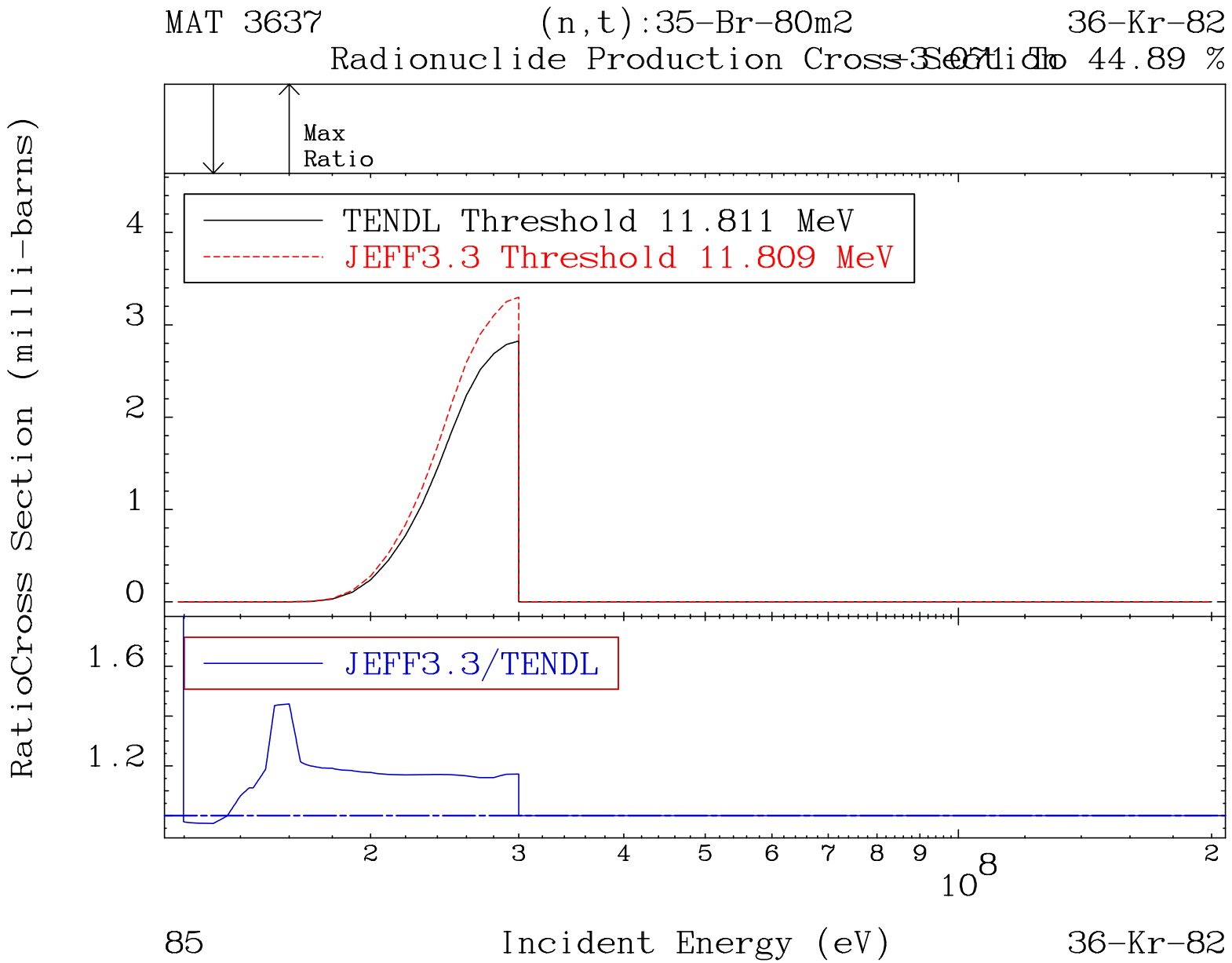

MAT 3637
(n,2n) p:35-Br-80g
36-Kr-82
Radionuclide Production Cross Section
Min Ratio
TENDL Threshold 20.310 MeV
JEFF3.3 Threshold 20.310 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (MeV)
80
36-Kr-82

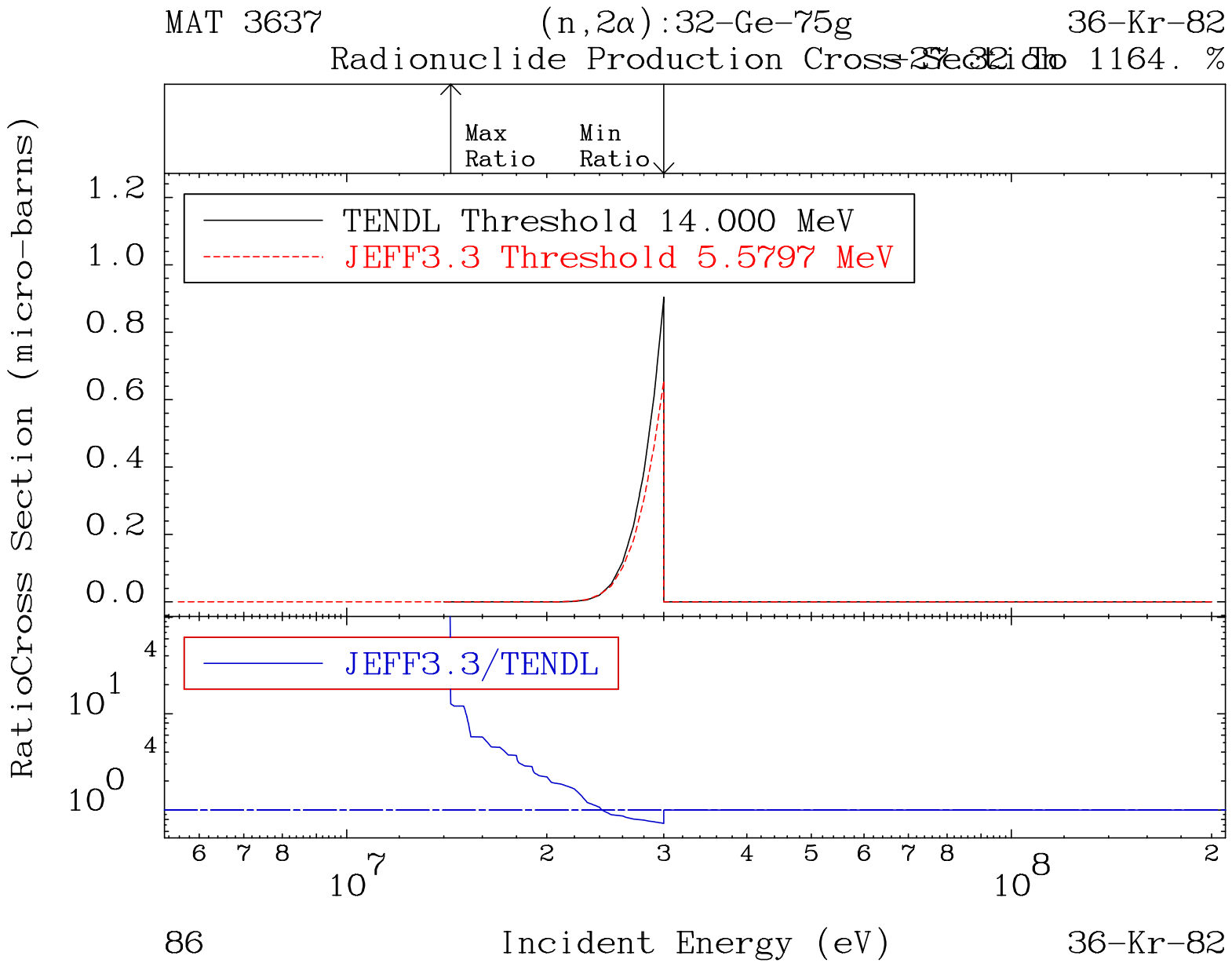

MAT 3637
(n,2n) p:35-Br-80m2
36-Kr-82
Radionuclide Production Cross Section
0.000 To 9999. %
Min
Ratio
TENDL Threshold 20.397 MeV
JEFF3.3 Threshold 20.397 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
10^6
10^4
10^2
10^0
20
40
60
80
100
120
140
160
180
200
81
Incident Energy (MeV)
36-Kr-82

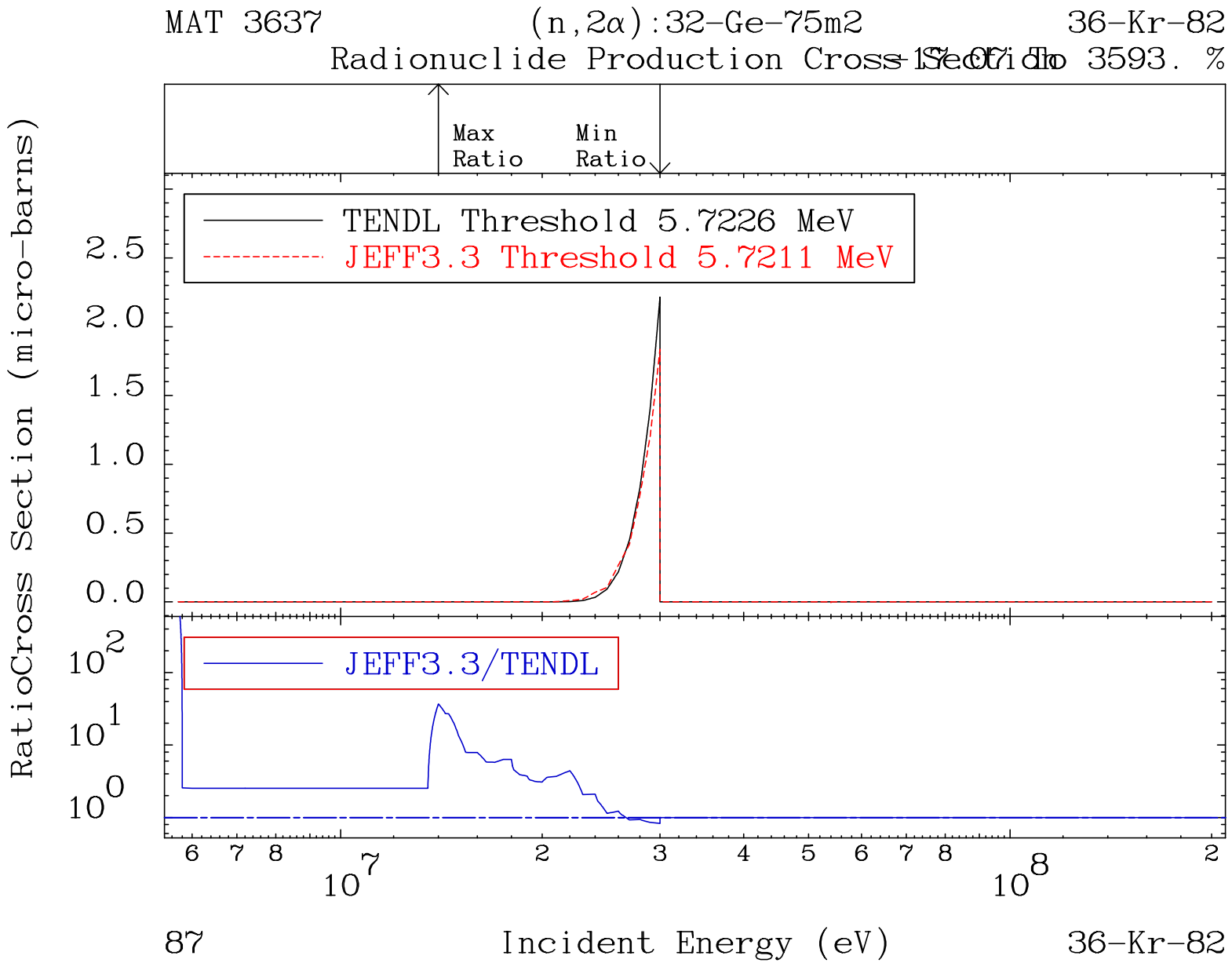

MAT 3637
(n,p):35-Br-82g
36-Kr-82
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 2.3392 MeV
JEFF3.3 Threshold 2.3392 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
82
36-Kr-82

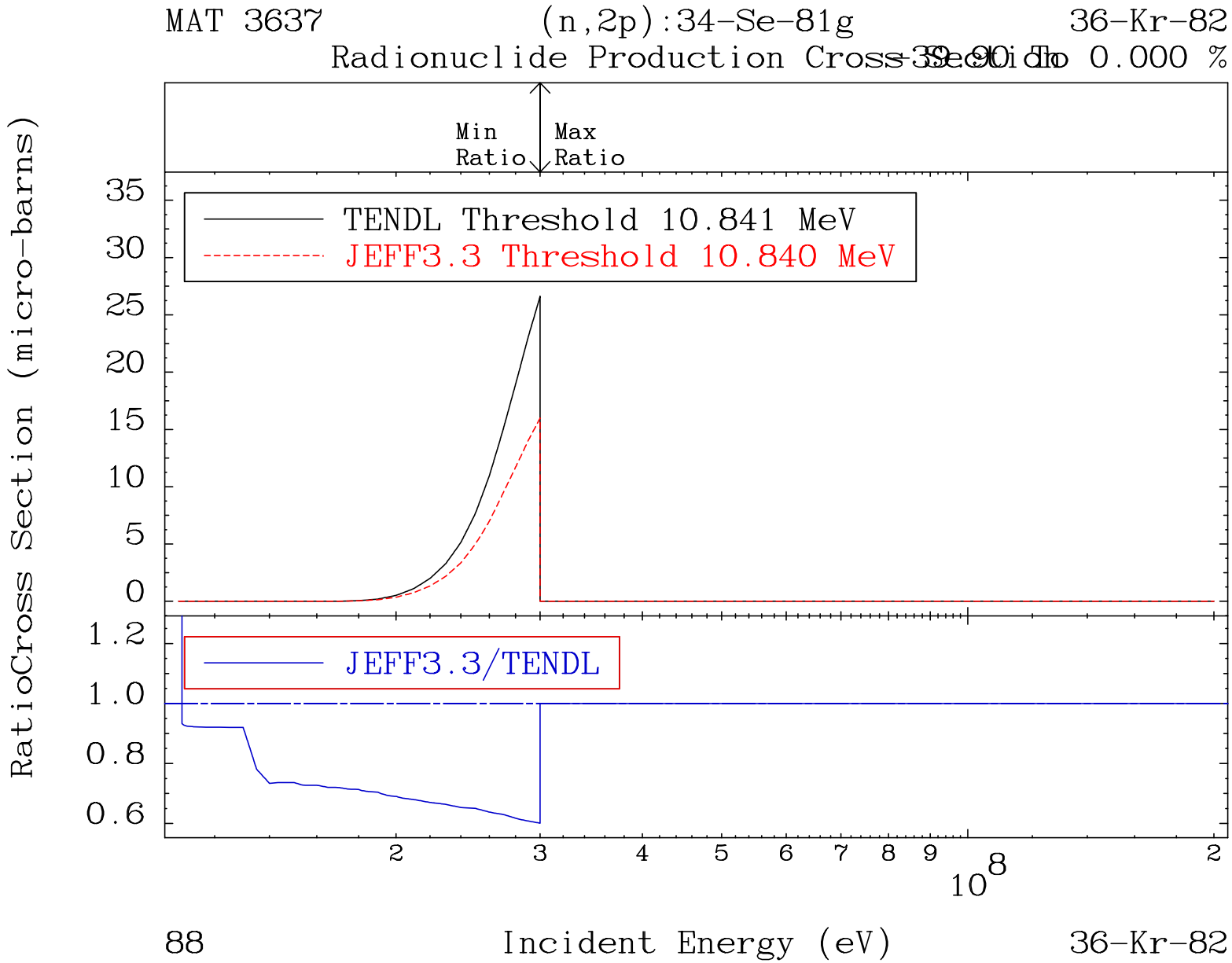

MAT 3637
(n,p):35-Br-82m1
36-Kr-82
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 2.3857 MeV
JEFF3.3 Threshold 2.3857 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
83
36-Kr-82

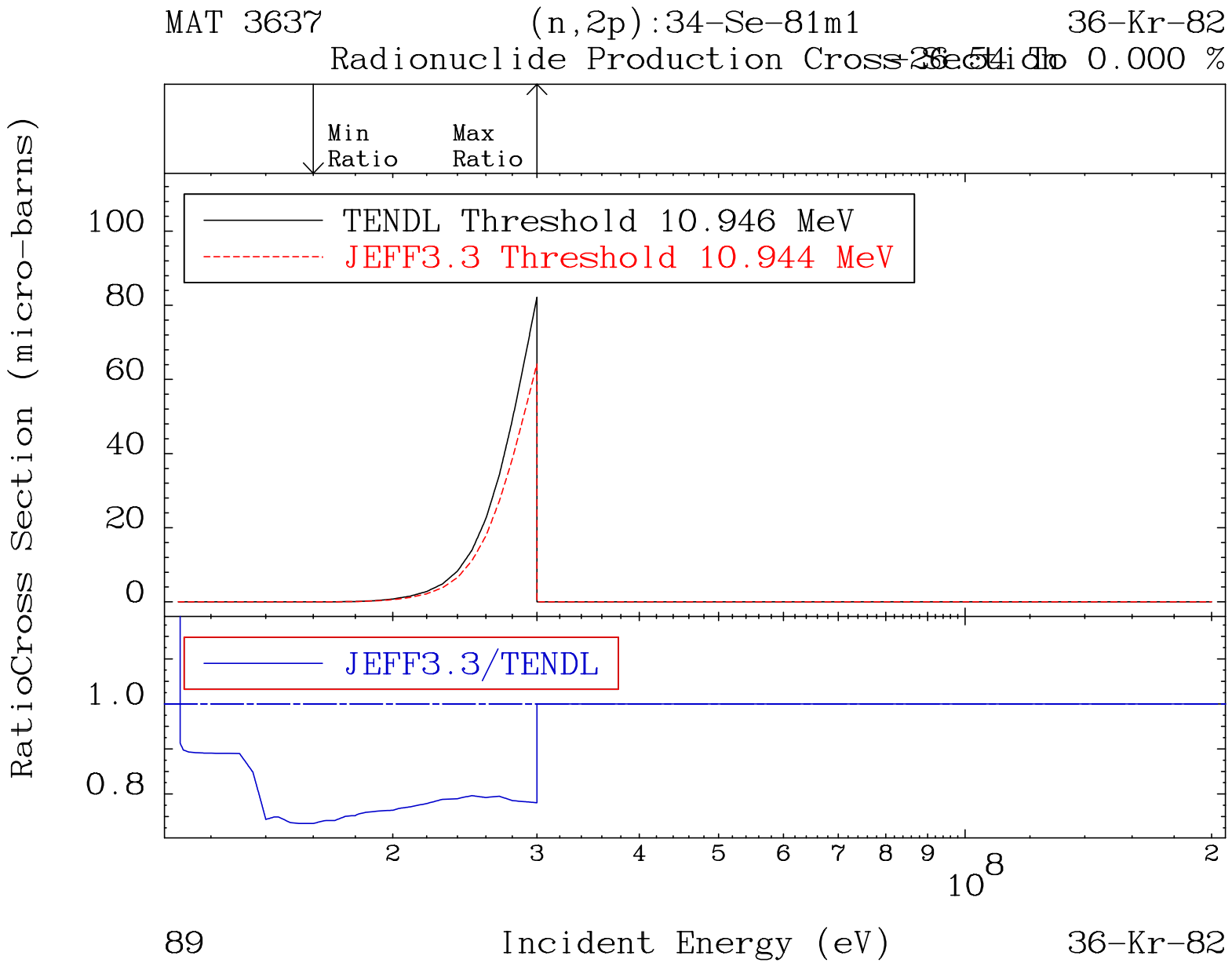

MAT 3637
(n,t):35-Br-80g
36-Kr-82
Radionuclide Production Cross Section To 16.13 %
Max Ratio
Min Ratio
TENDL Threshold 11.724 MeV
JEFF3.3 Threshold 11.722 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.2
1.0
0.8
2
3
4
5
6
7
8
9
2
10^8
84
Incident Energy (eV)
36-Kr-82

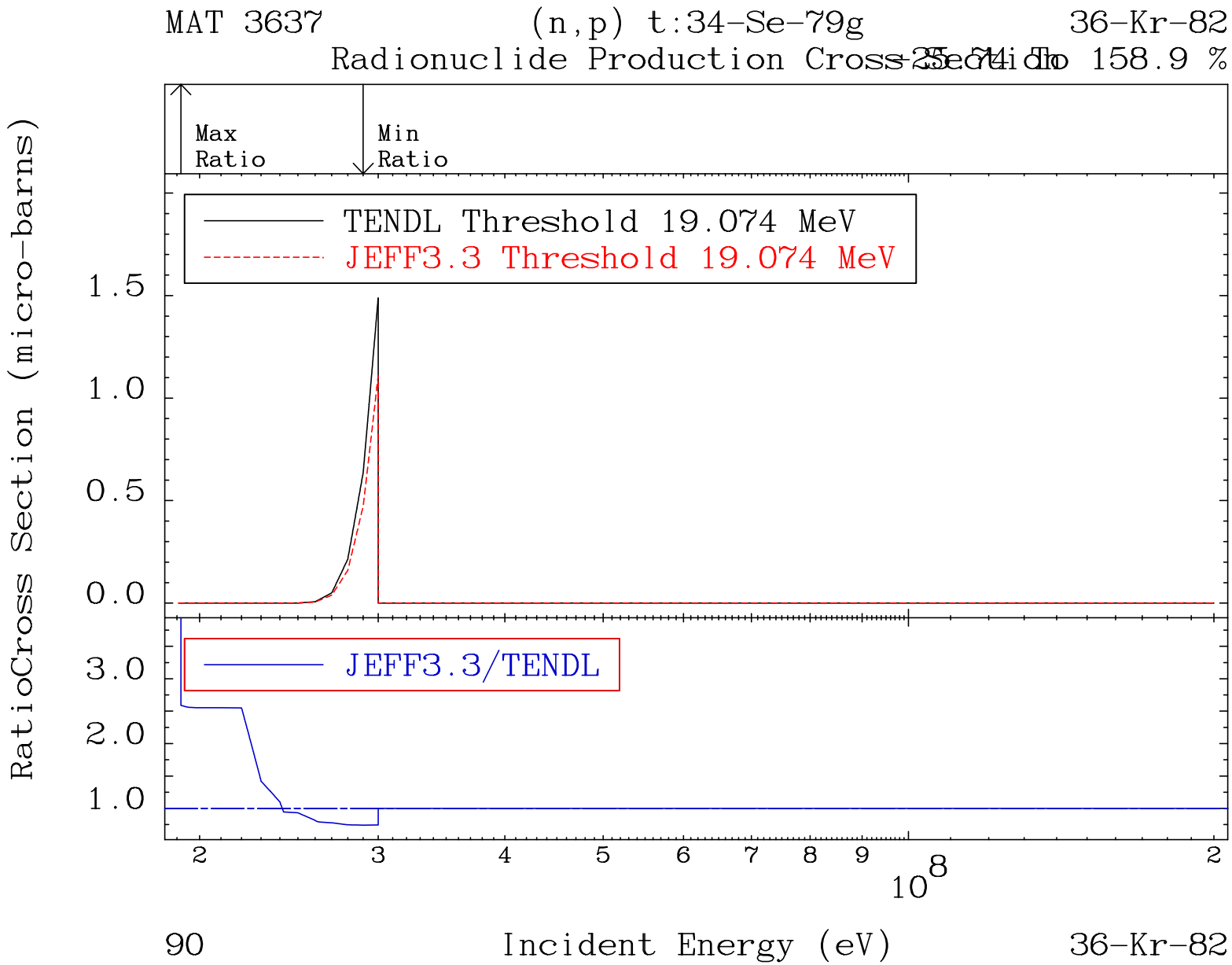

MAT 3637
(n,t):35-Br-80m2
36-Kr-82
Radionuclide Production Cross-Section
Max
Ratio
TENDL Threshold 11.811 MeV
JEFF3.3 Threshold 11.809 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
85
36-Kr-82

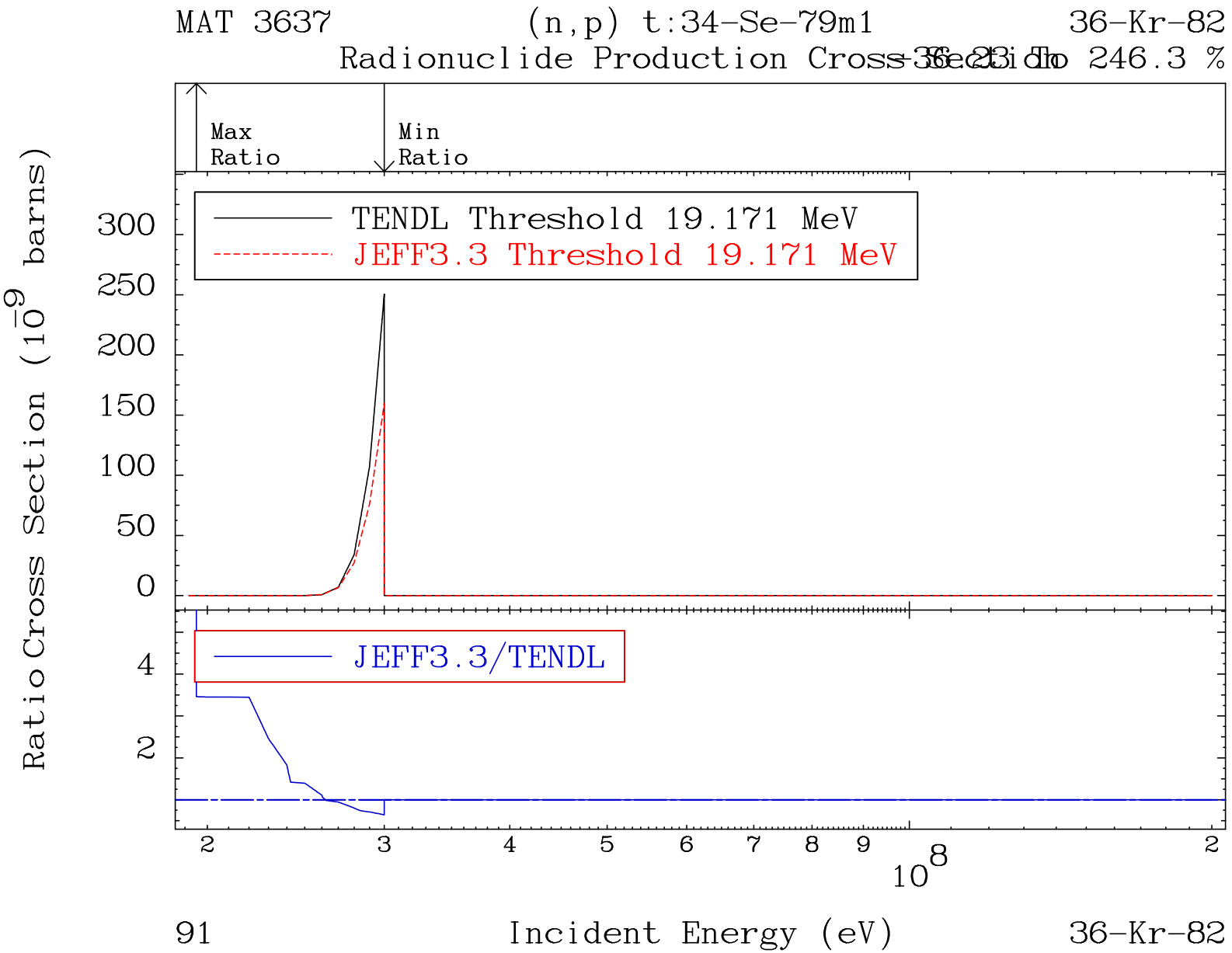

MAT 3637
(n,2α):32-Ge-75g
36-Kr-82
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 14.000 MeV
JEFF3.3 Threshold 5.5797 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
86
36-Kr-82


MAT 3637
(n,2α):32-Ge-75m2
36-Kr-82
Radionuclide Production Cross Section To 3593. %
Max Ratio
Min Ratio
TENDL Threshold 5.7226 MeV
JEFF3.3 Threshold 5.7211 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
2.5
2.0
1.5
1.0
0.5
0.0
10^2
10^1
10^0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
87
Incident Energy (eV)
36-Kr-82


MAT 3637
(n,2p):34-Se-81g
36-Kr-82
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 10.841 MeV
JEFF3.3 Threshold 10.840 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
88
36-Kr-82


MAT 3637
(n,2p):34-Se-81m1
36-Kr-82
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 10.946 MeV
JEFF3.3 Threshold 10.944 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
89
36-Kr-82


MAT 3637
(n,p) t:34-Se-79g
36-Kr-82
Radionuclide Production Cross Section To 158.9 %
Max Ratio
Min Ratio
TENDL Threshold 19.074 MeV
JEFF3.3 Threshold 19.074 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
1.5
1.0
0.5
0.0
3.0
2.0
1.0
2
3
4
5
6
7
8
9
2
10^8
90
Incident Energy (eV)
36-Kr-82


MAT 3637
(n,p) t:34-Se-79m1
36-Kr-82
Radionuclide Production Cross-Section To 246.3 %
Max Ratio
Min Ratio
TENDL Threshold 19.171 MeV
JEFF3.3 Threshold 19.171 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
300
250
200
150
100
50
0
4
2
2
3
4
5
6
7
8
9
10^8
2
91
Incident Energy (eV)
36-Kr-82