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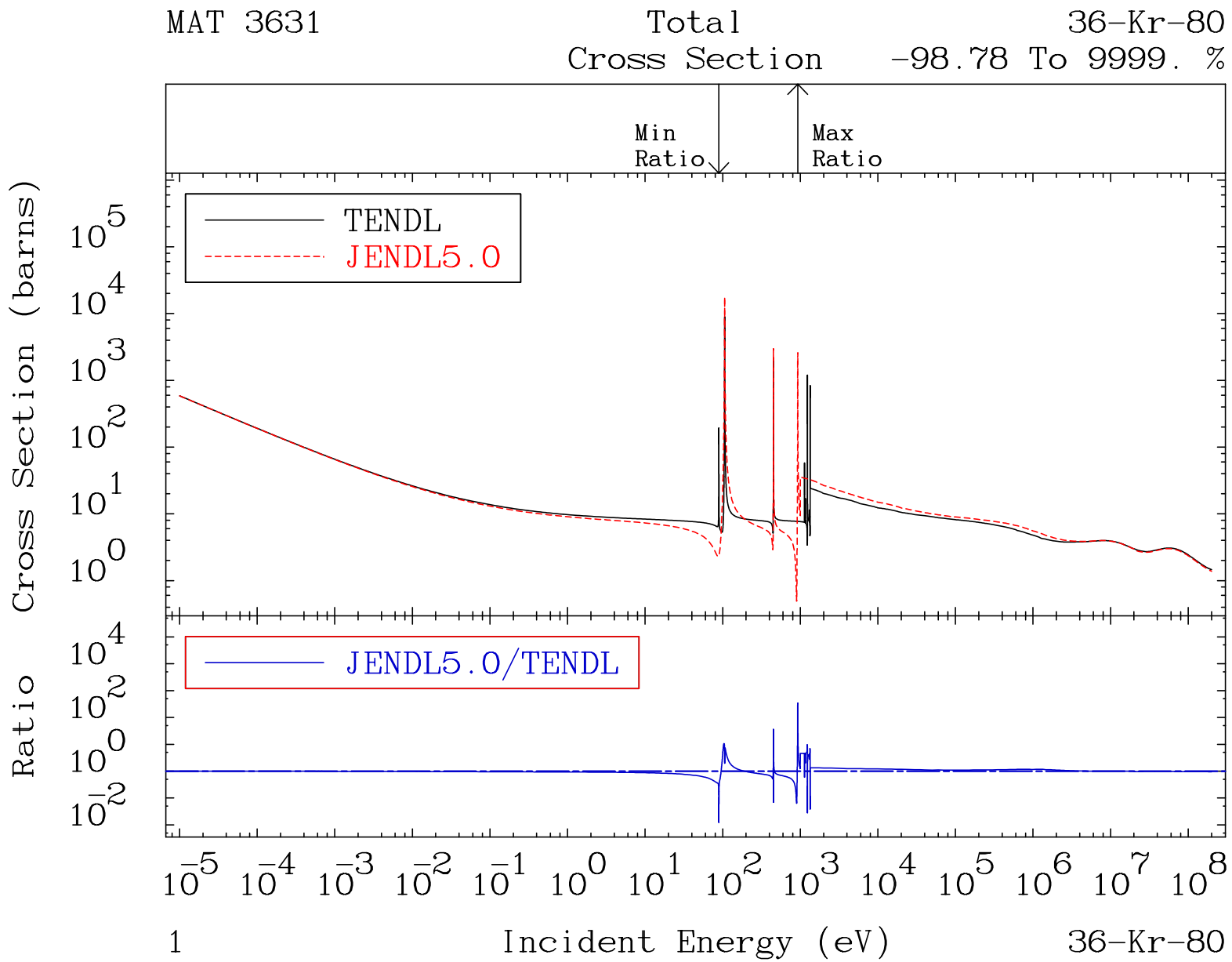
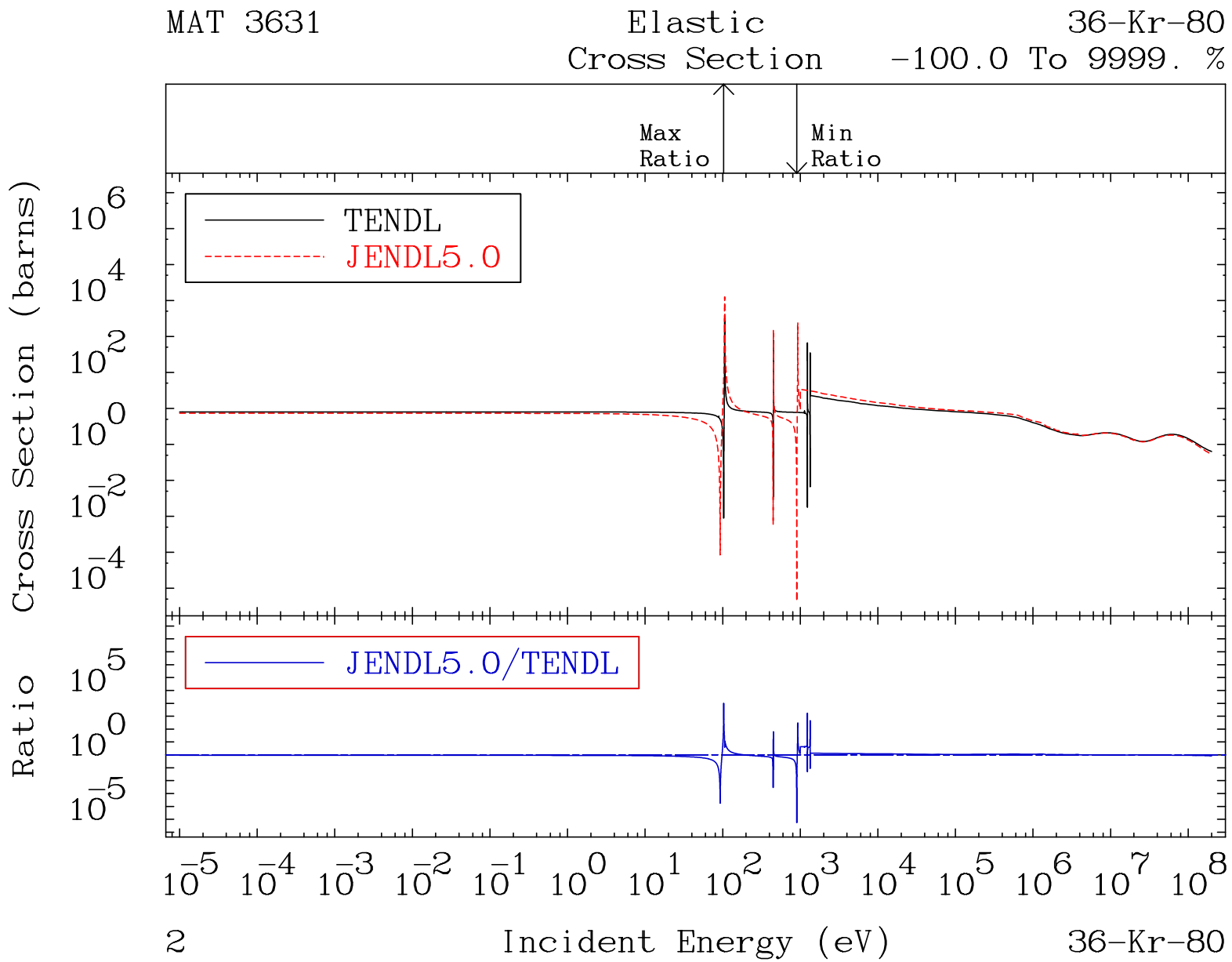
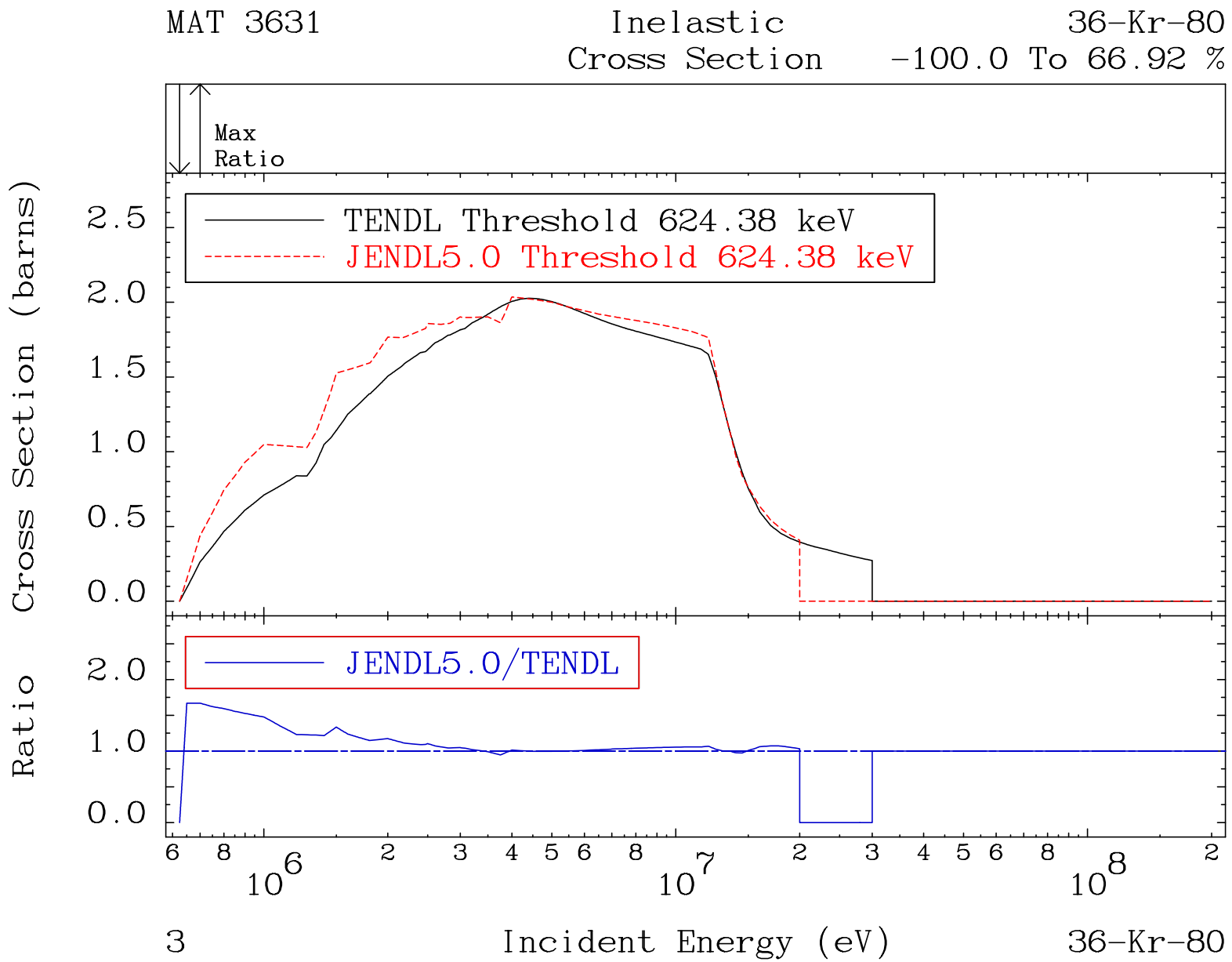
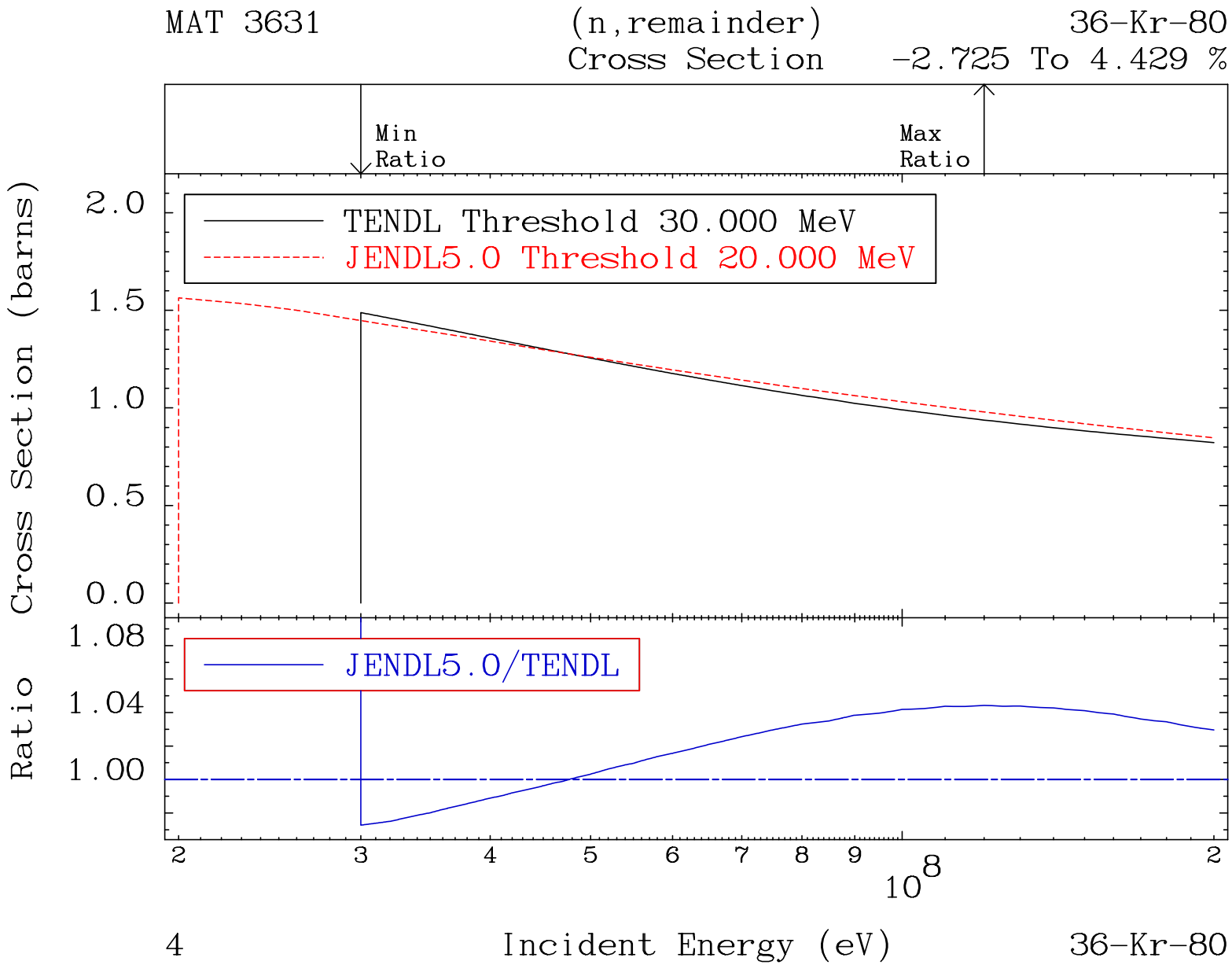
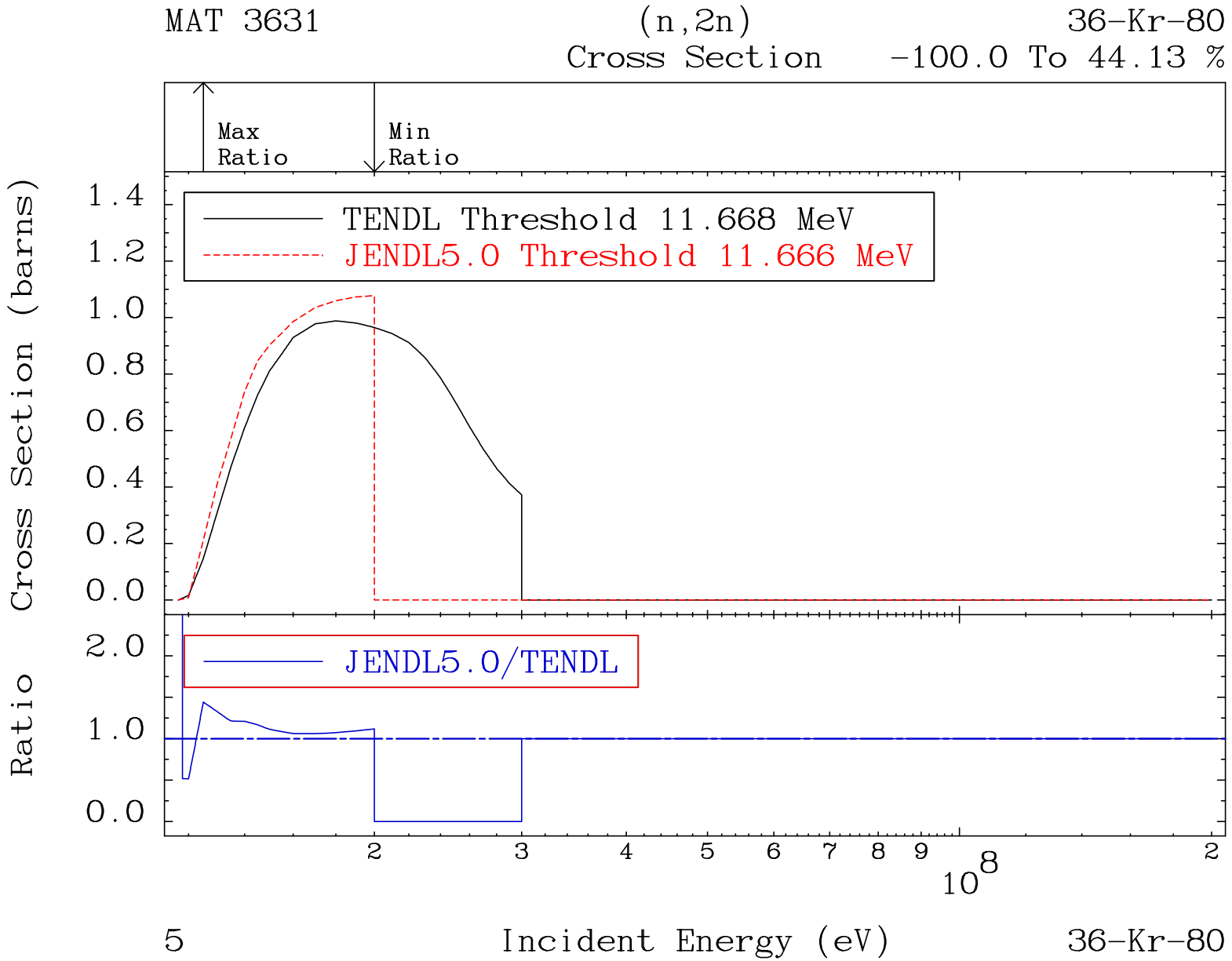
Press Mouse Button to Start

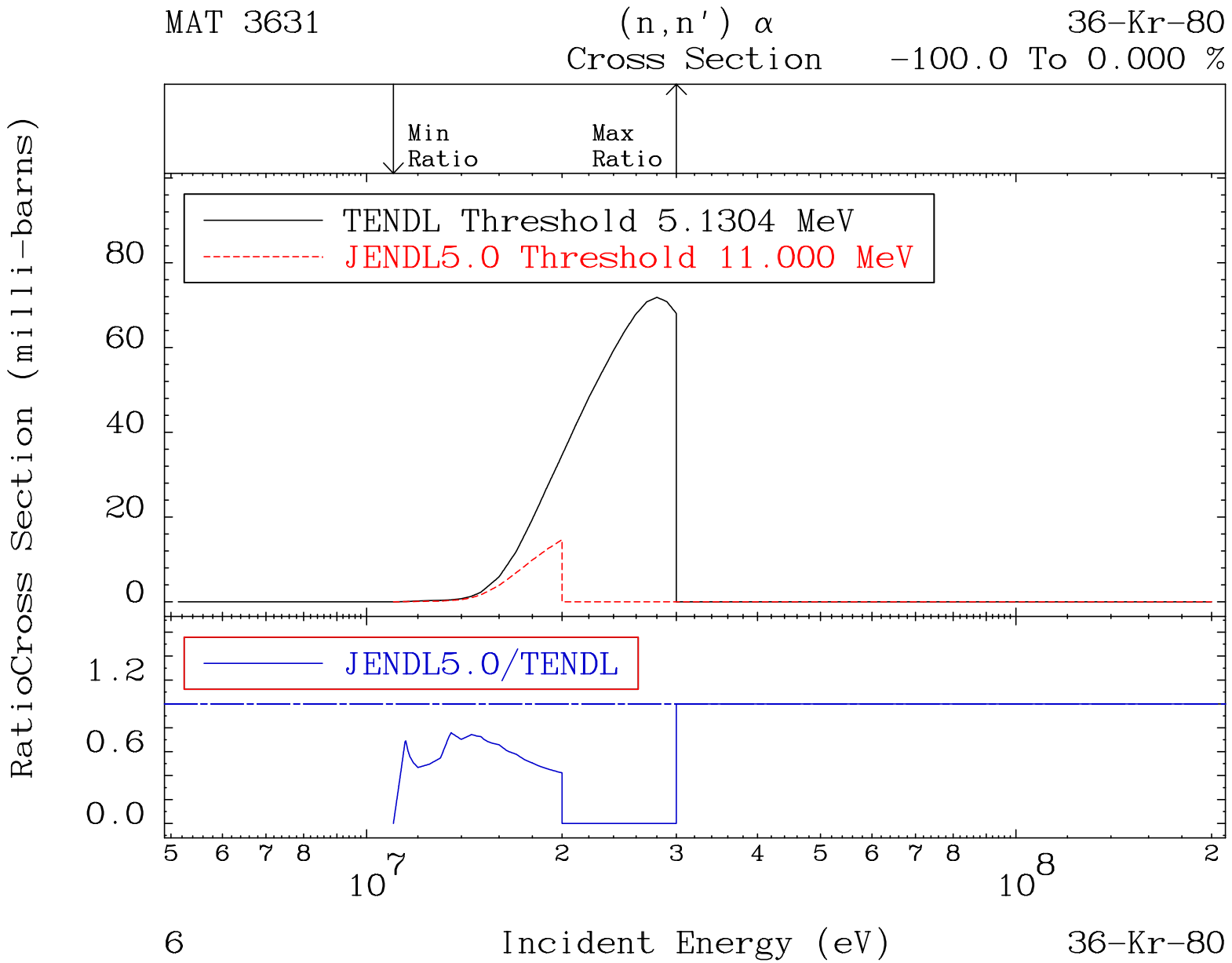

MAT 3631
Total
Cross Section
36-Kr-80
-98.78 To 9999. %
Min
Ratio
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
36-Kr-80

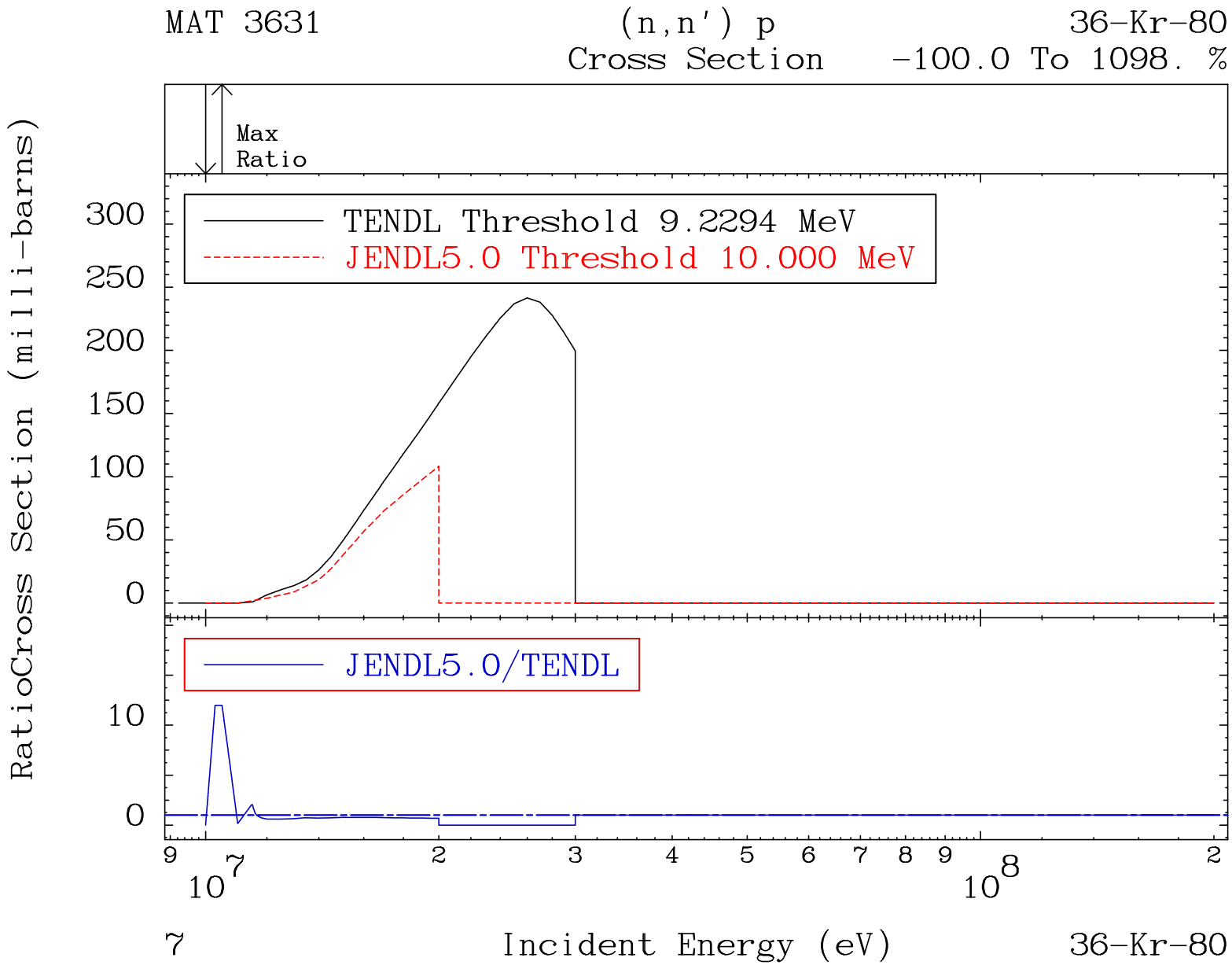

MAT 3631
Elastic
Cross Section
36-Kr-80
-100.0 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
36-Kr-80

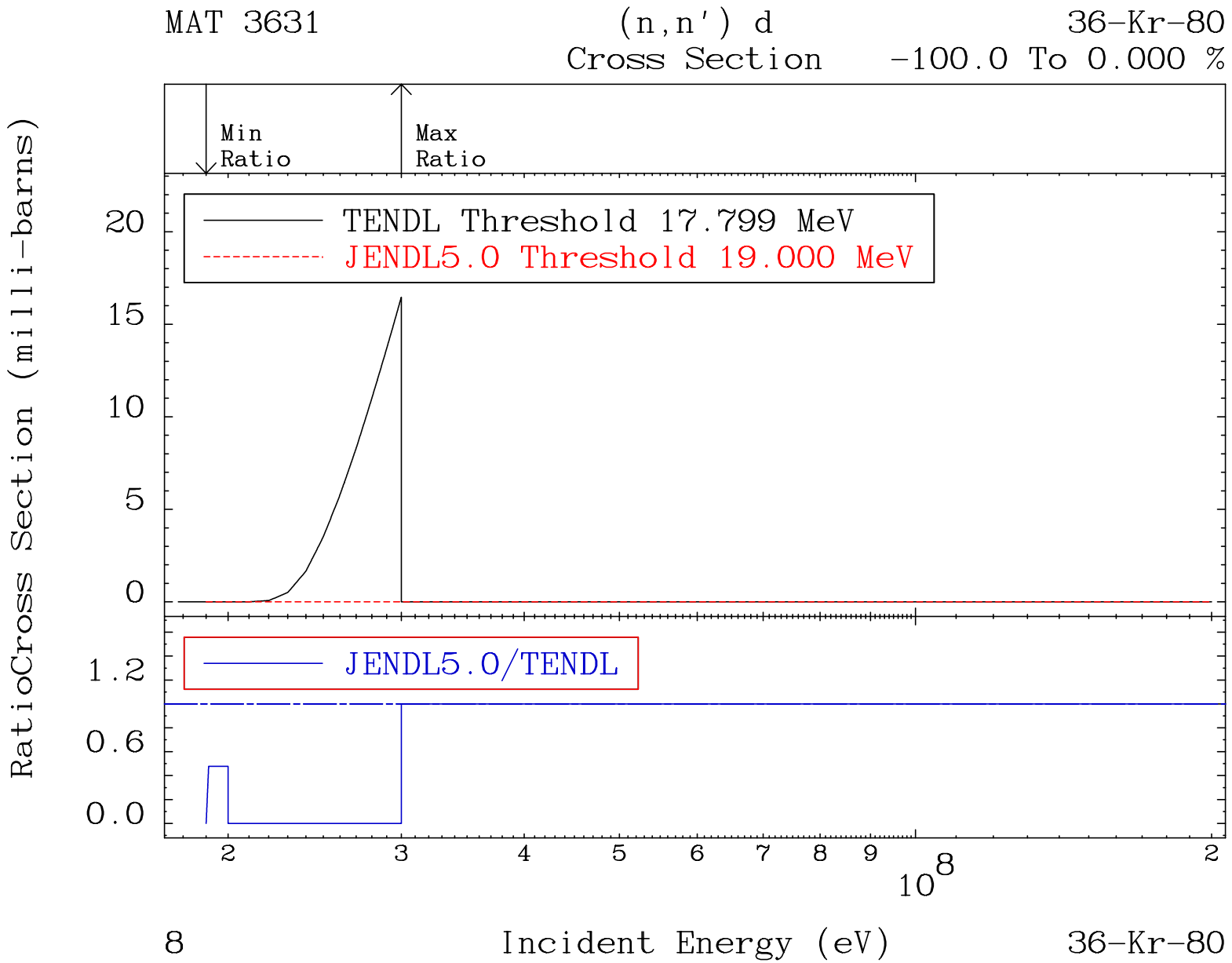

MAT 3631
Inelastic
Cross Section
36-Kr-80
-100.0 To 66.92 %
Max
Ratio
TENDL Threshold 624.38 keV
JENDL5.0 Threshold 624.38 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
3
36-Kr-80

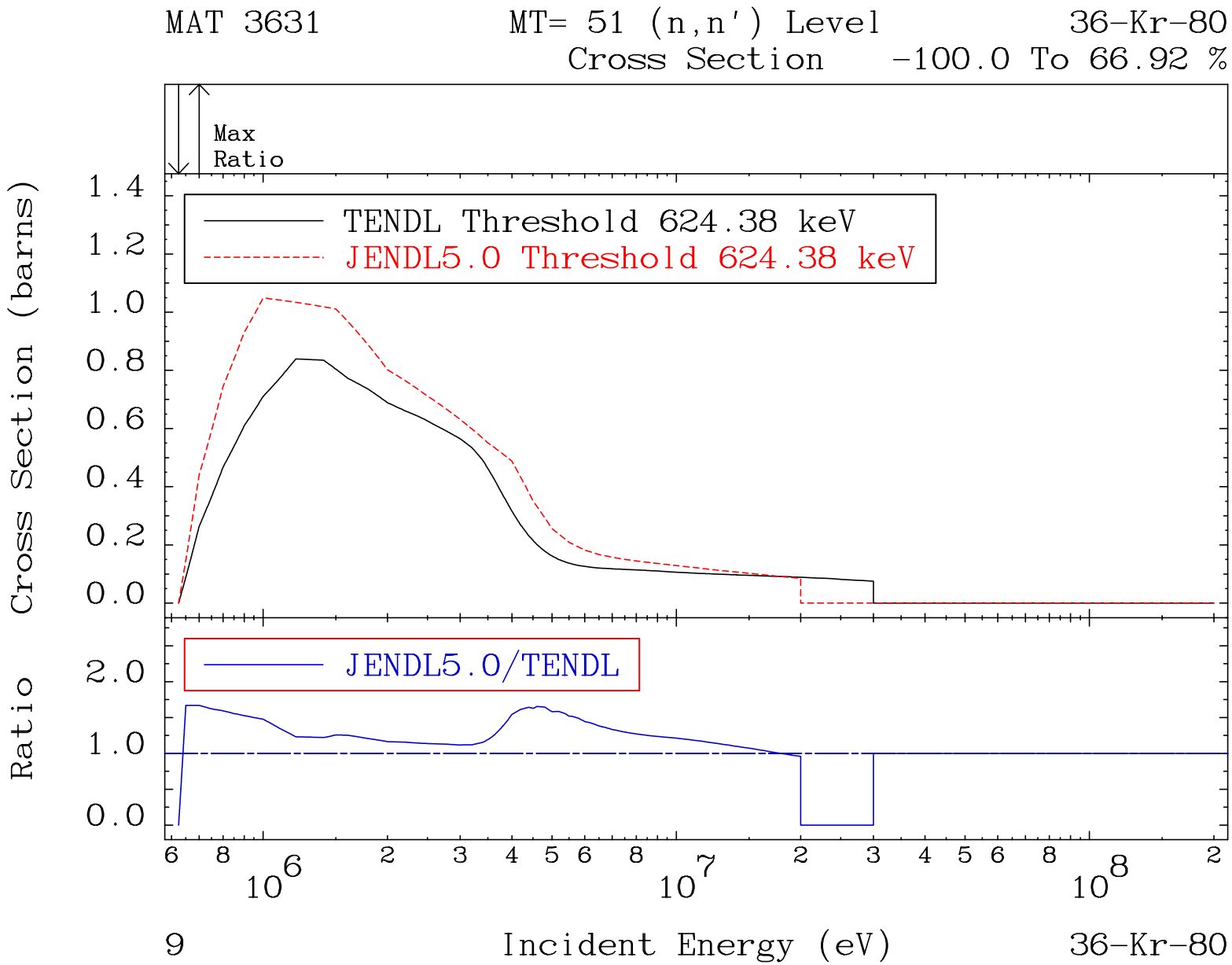

MAT 3631
(n,remainder)
Cross Section
36-Kr-80
-2.725 To 4.429 %
Min
Ratio
Max
Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.08
1.04
1.00
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
36-Kr-80

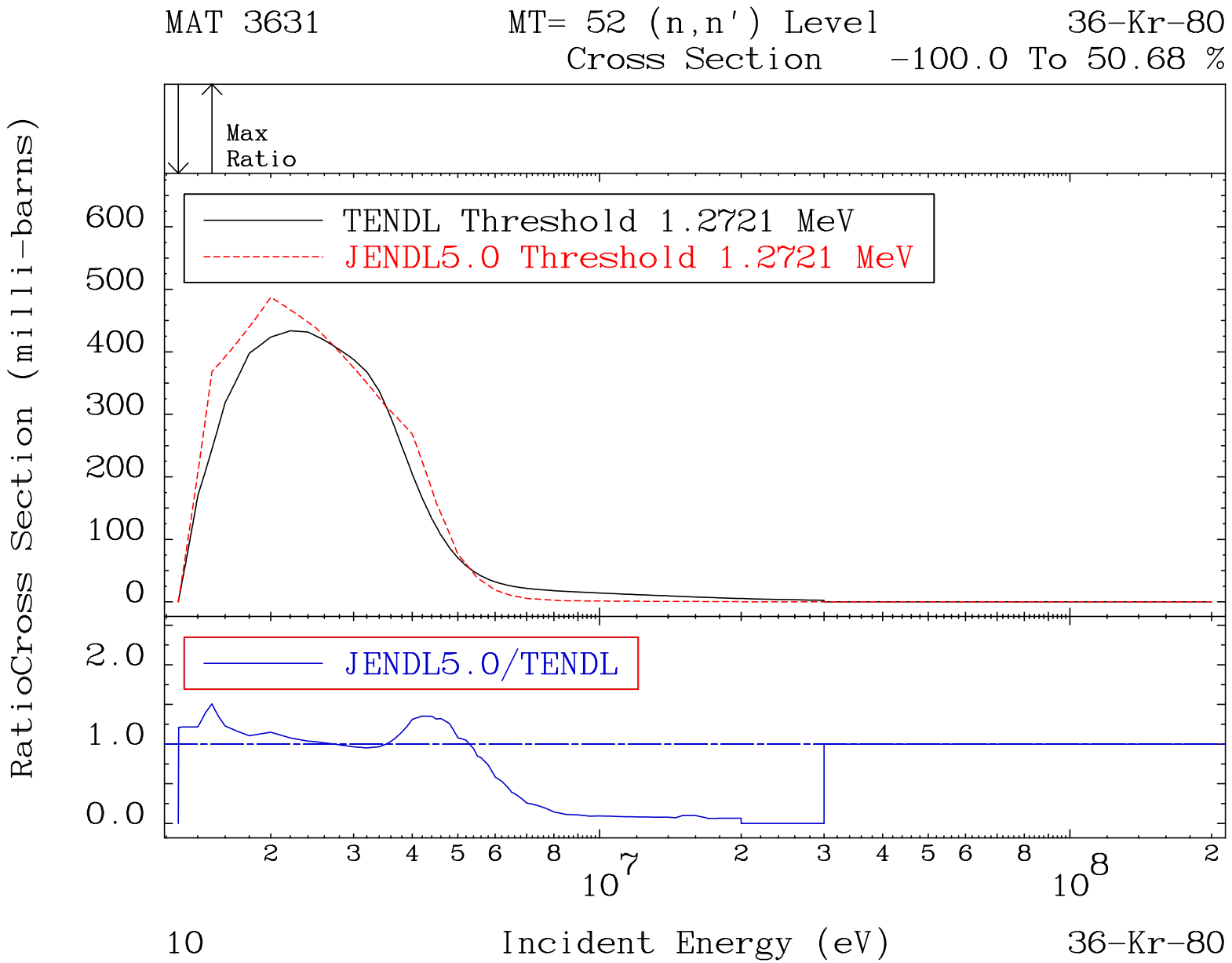

MAT 3631
(n,2n)
Cross Section
36-Kr-80
-100.0 To 44.13 %
Max Ratio
Min Ratio
TENDL Threshold 11.668 MeV
JENDL5.0 Threshold 11.666 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
5
Incident Energy (eV)
36-Kr-80

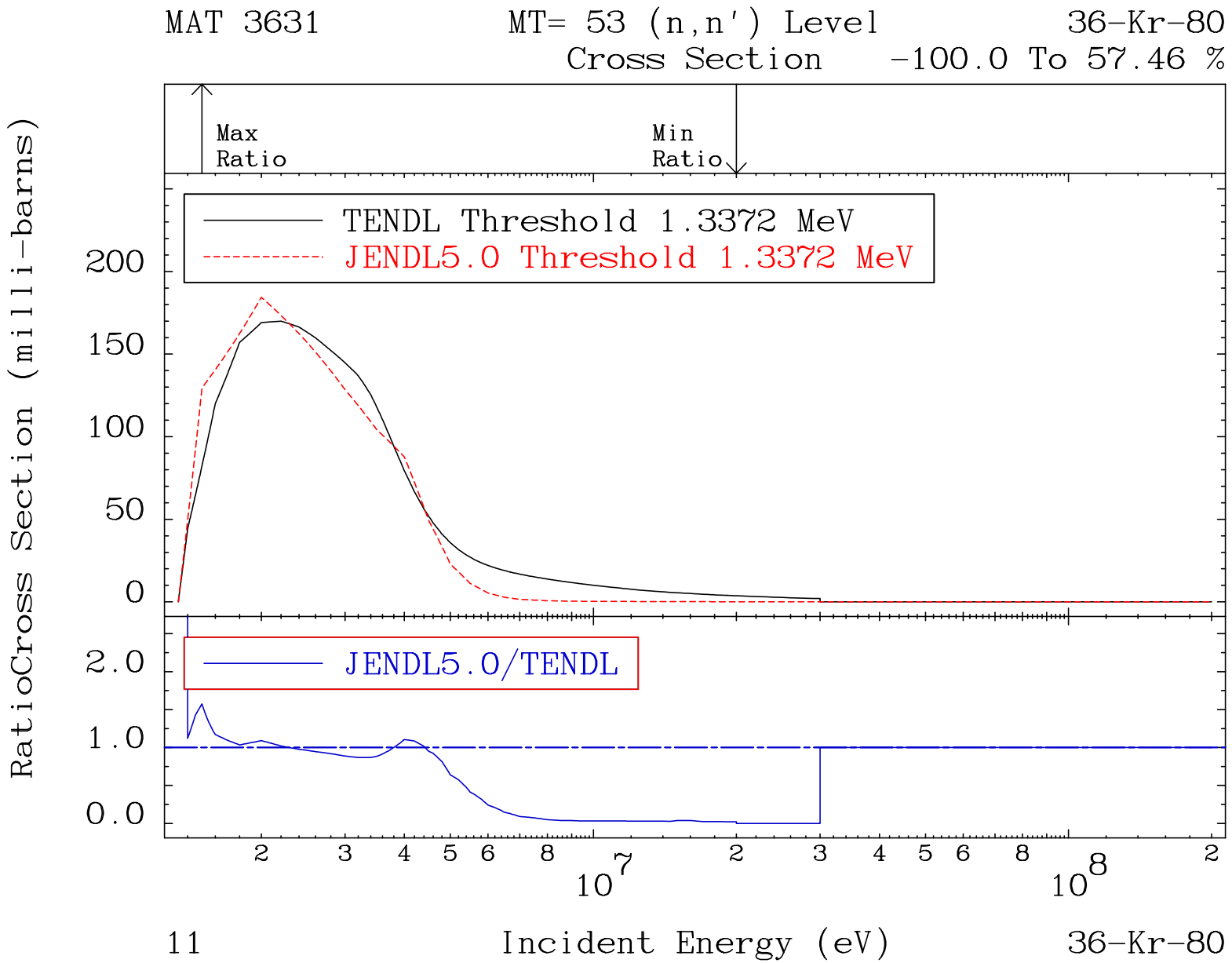

MAT 3631
(n,n') α
Cross Section
36-Kr-80
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 5.1304 MeV
JENDL5.0 Threshold 11.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
6
36-Kr-80

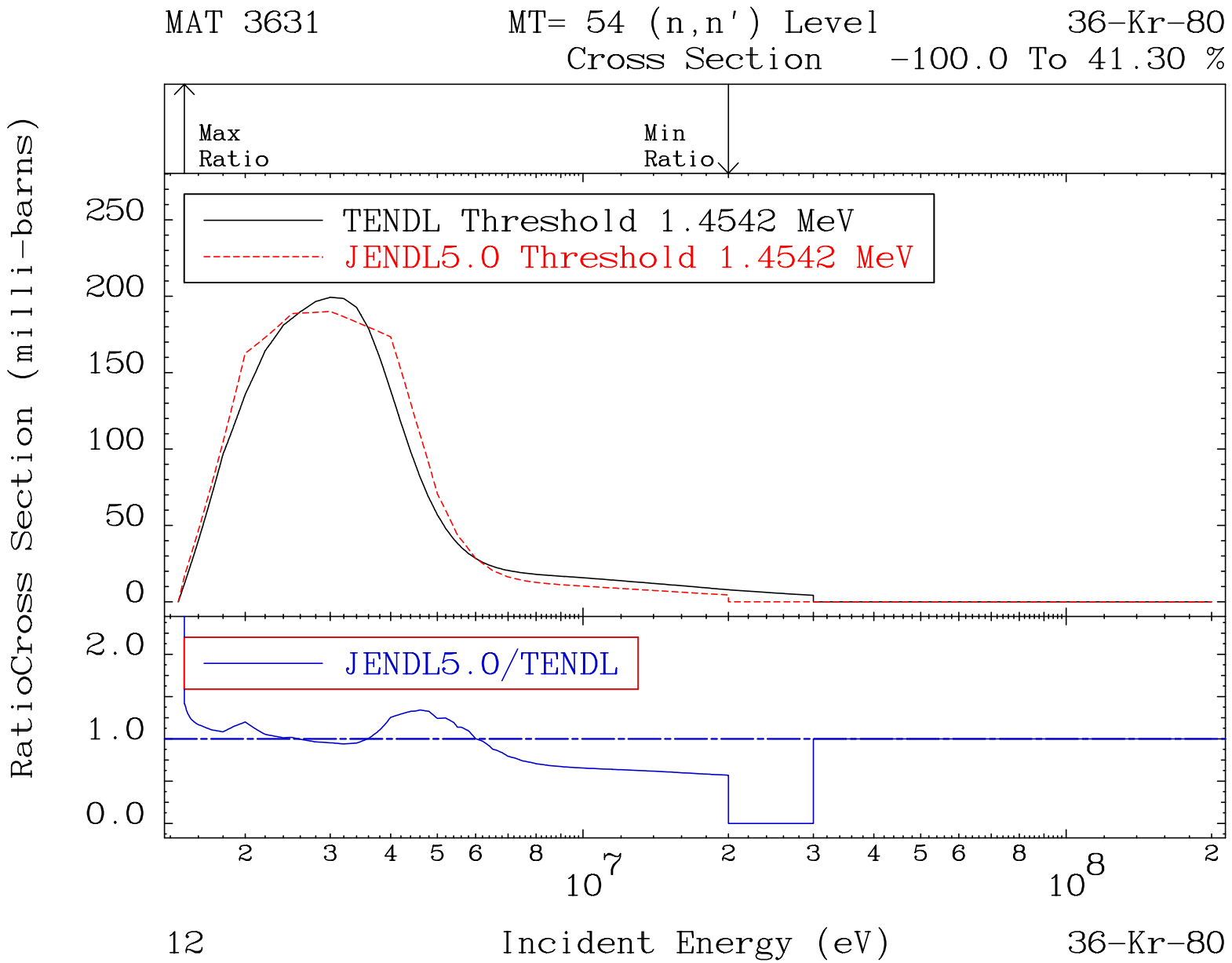

MAT 3631
(n,n') p
Cross Section
36-Kr-80
-100.0 To 1098. %
Max
Ratio
TENDL Threshold 9.2294 MeV
JENDL5.0 Threshold 10.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
10
0
9
2
3
4
5
6
7
8
9
2
10^7
10^8
7
Incident Energy (eV)
36-Kr-80

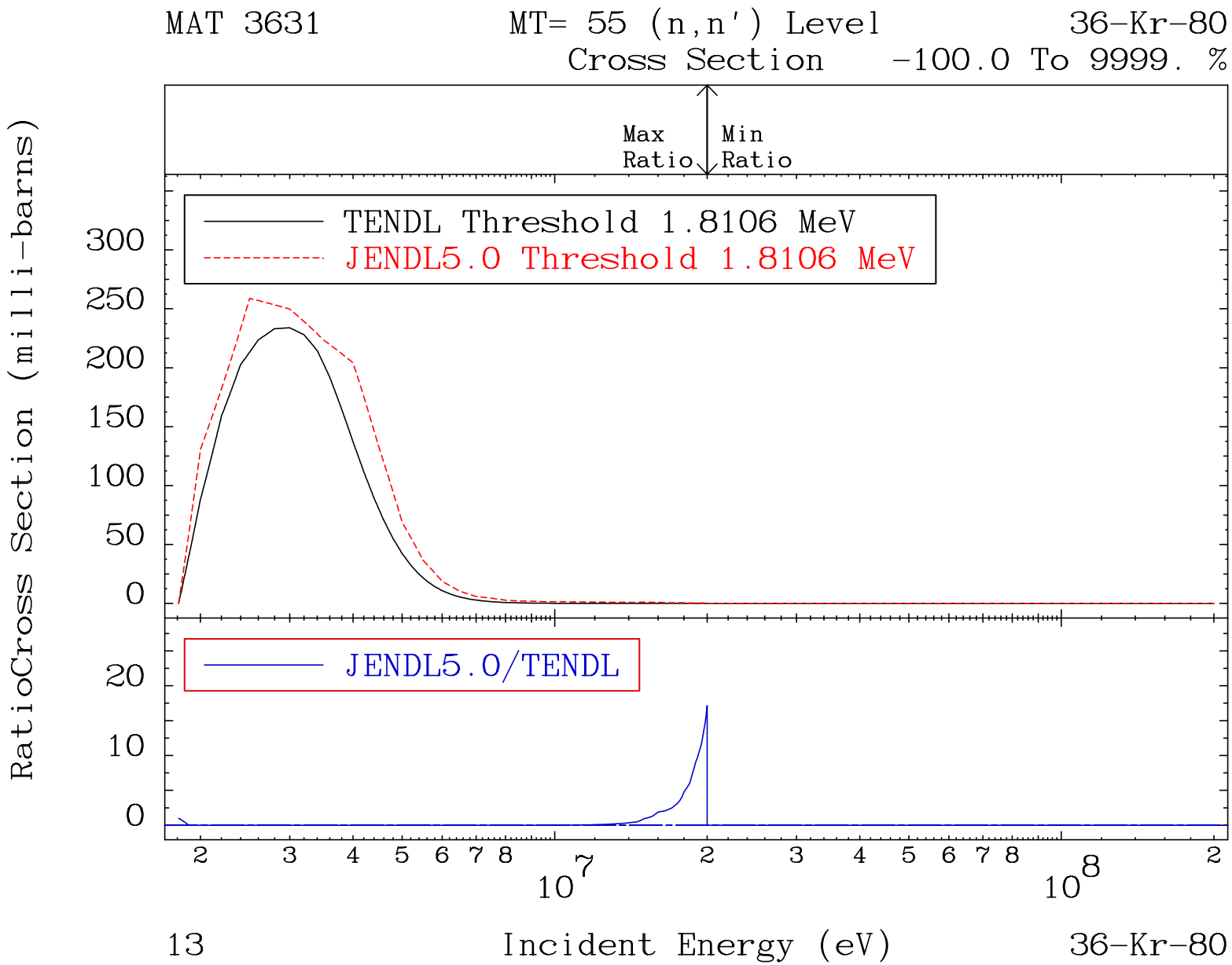

MAT 3631
(n,n') d
Cross Section
36-Kr-80
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 17.799 MeV
JENDL5.0 Threshold 19.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
36-Kr-80

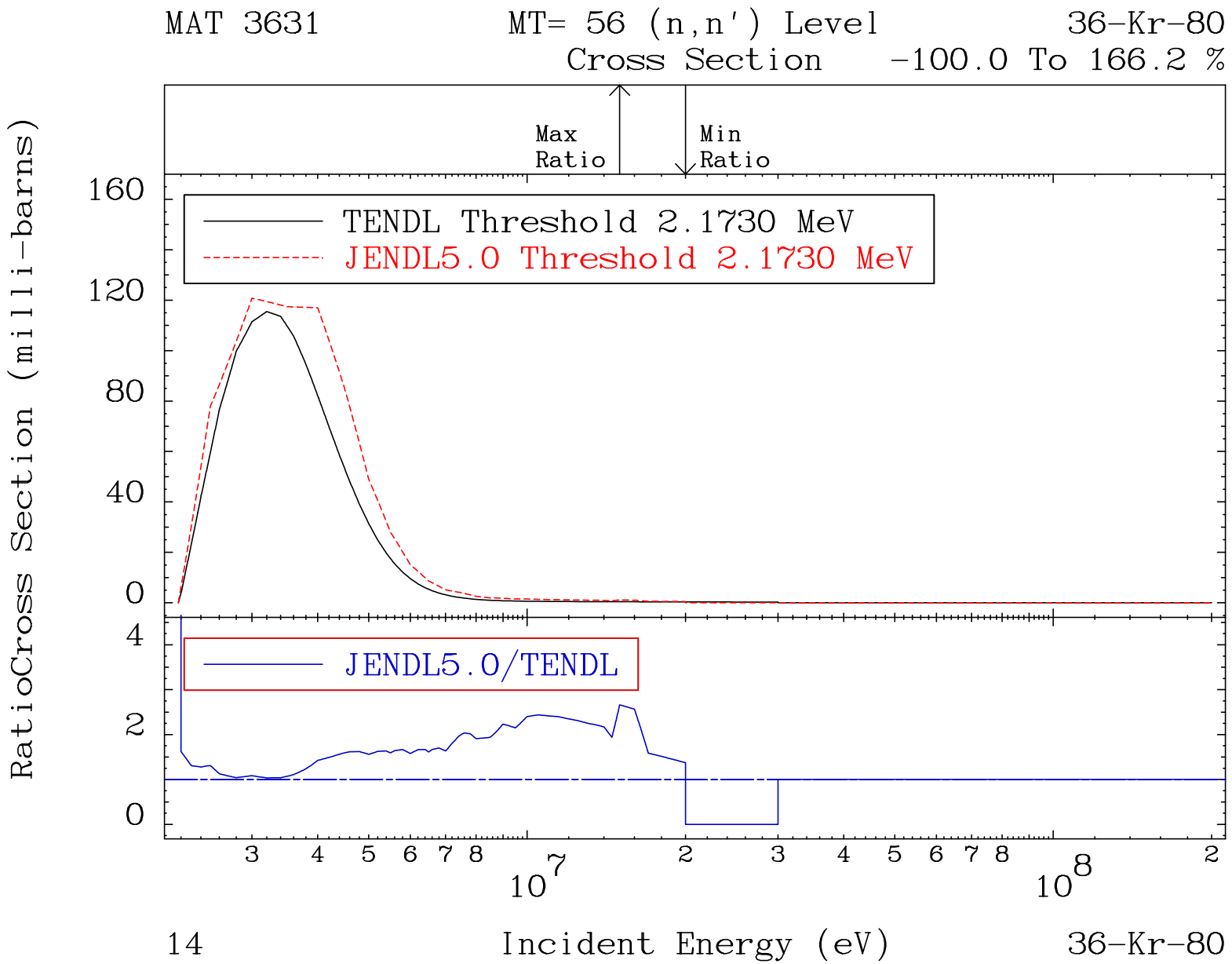

MAT 3631
MT= 51 (n,n') Level
Cross Section
36-Kr-80
-100.0 To 66.92 %
Max
Ratio
TENDL Threshold 624.38 keV
JENDL5.0 Threshold 624.38 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
9
36-Kr-80

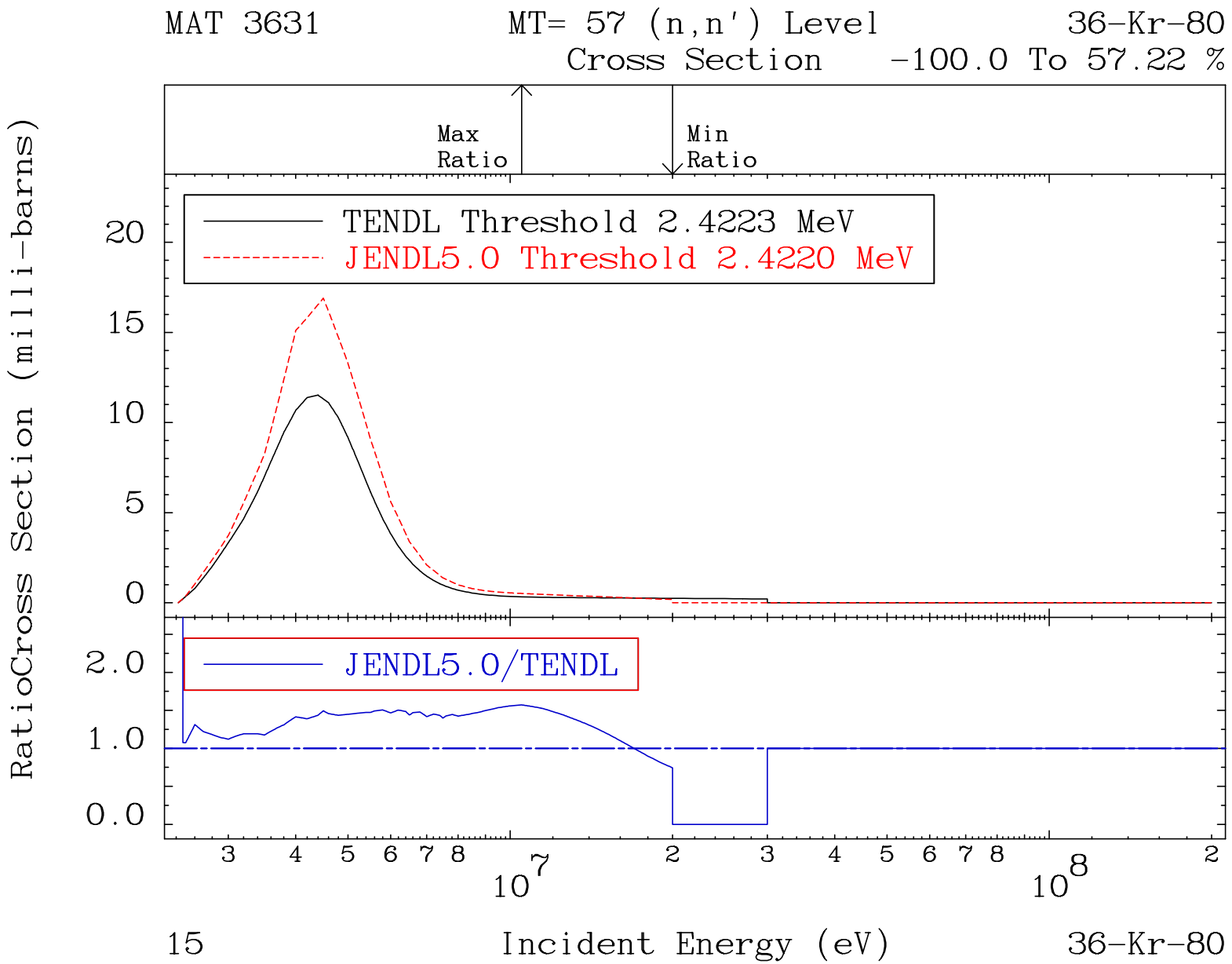

MAT 3631
MT= 52 (n,n') Level
Cross Section
36-Kr-80
-100.0 To 50.68 %
Max
Ratio
TENDL Threshold 1.2721 MeV
JENDL5.0 Threshold 1.2721 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
10
Incident Energy (eV)
36-Kr-80

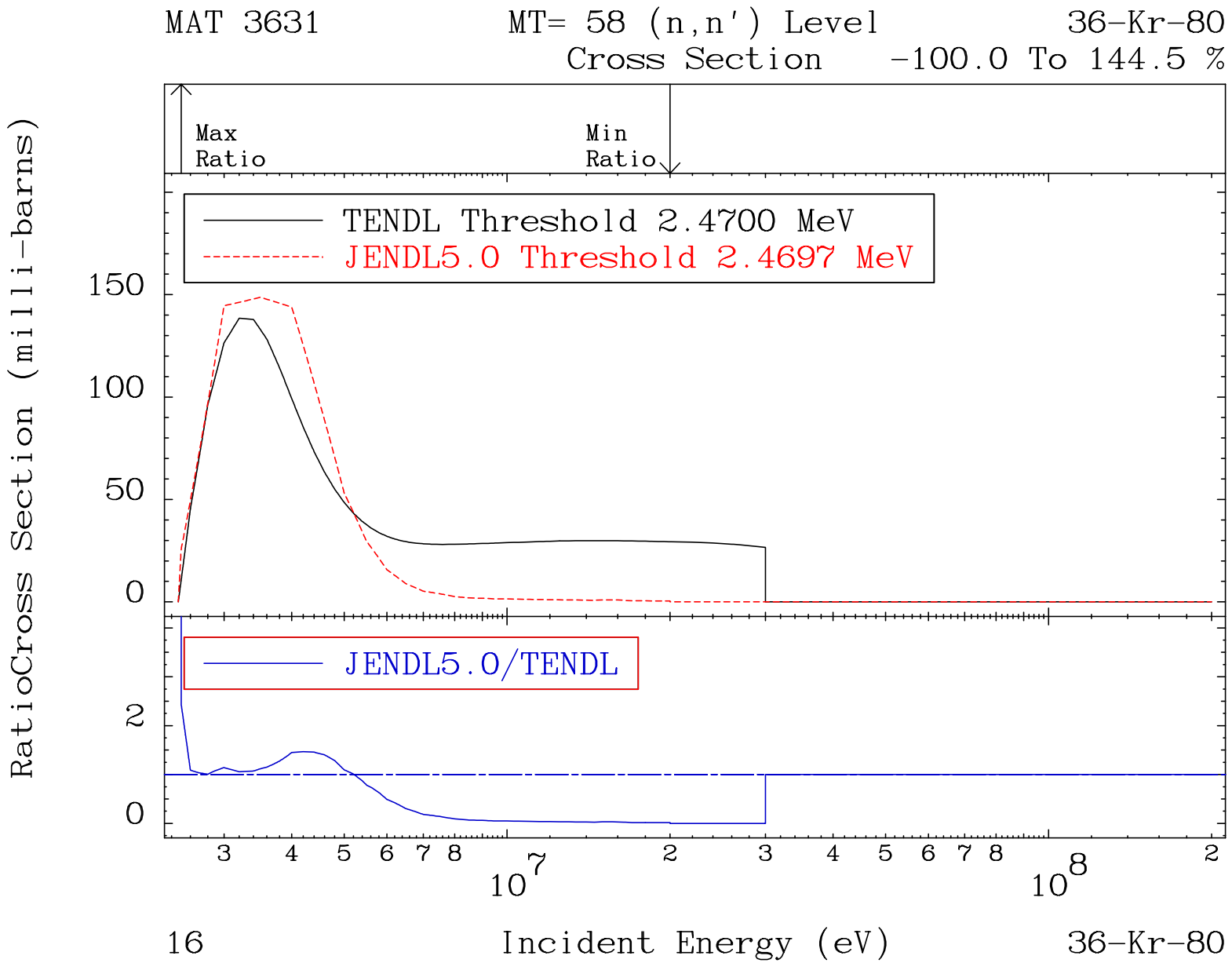

MAT 3631
MT= 53 (n,n') Level
36-Kr-80
Cross Section
-100.0 To 57.46 %
Max Ratio
Min Ratio
TENDL Threshold 1.3372 MeV
JENDL5.0 Threshold 1.3372 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.0
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
11
Incident Energy (eV)
36-Kr-80

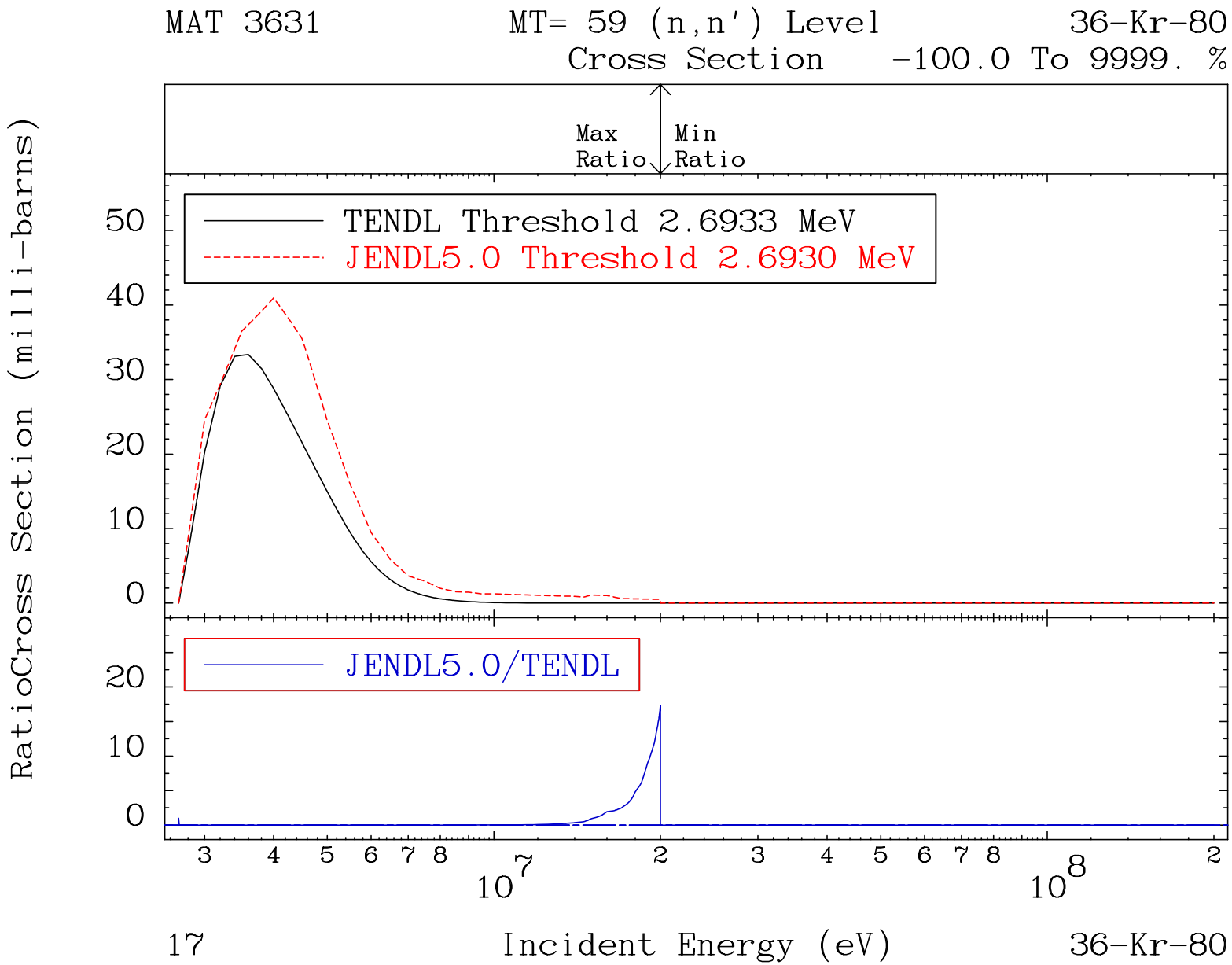

MAT 3631
MT= 54 (n,n') Level
36-Kr-80
Cross Section -100.0 To 41.30 %
Max Ratio
Min Ratio
TENDL Threshold 1.4542 MeV
JENDL5.0 Threshold 1.4542 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
2.0
1.0
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
12
Incident Energy (eV)
36-Kr-80

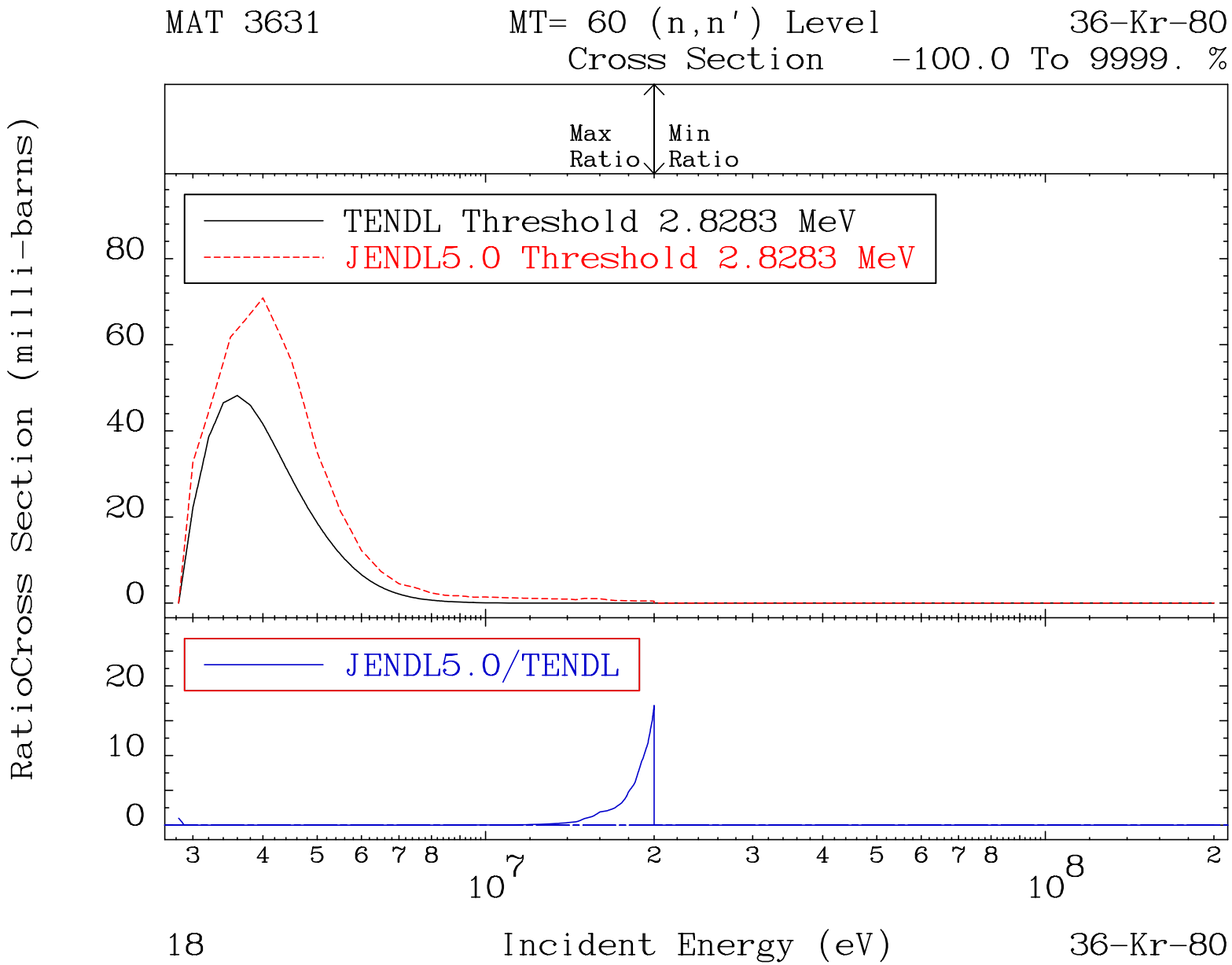

MAT 3631
MT= 55 (n,n') Level
36-Kr-80
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.8106 MeV
JENDL5.0 Threshold 1.8106 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
20
10
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
36-Kr-80

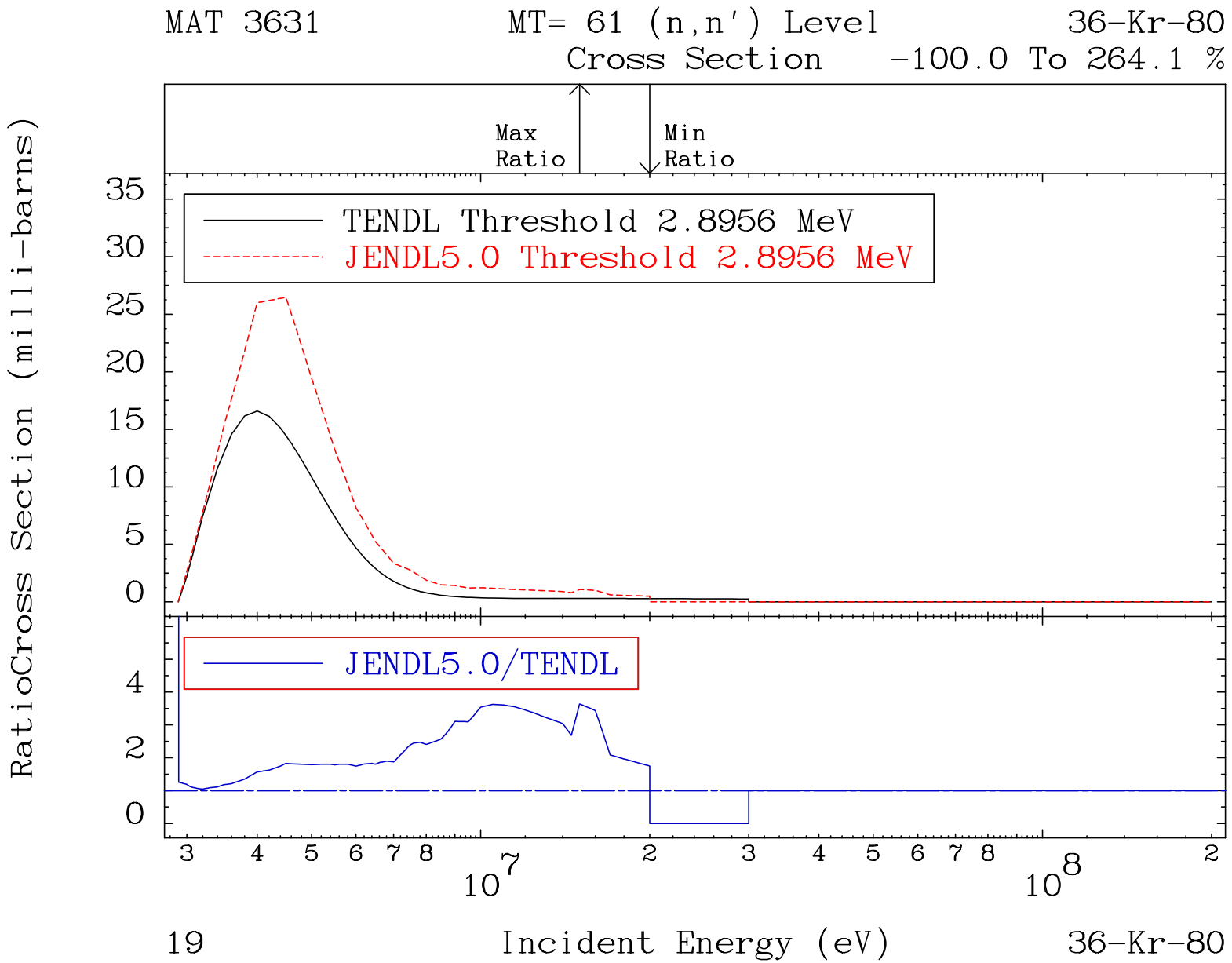

MAT 3631
MT= 56 (n,n') Level
36-Kr-80
Cross Section -100.0 To 166.2 %
Max Ratio
Min Ratio
TENDL Threshold 2.1730 MeV
JENDL5.0 Threshold 2.1730 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
4
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
36-Kr-80

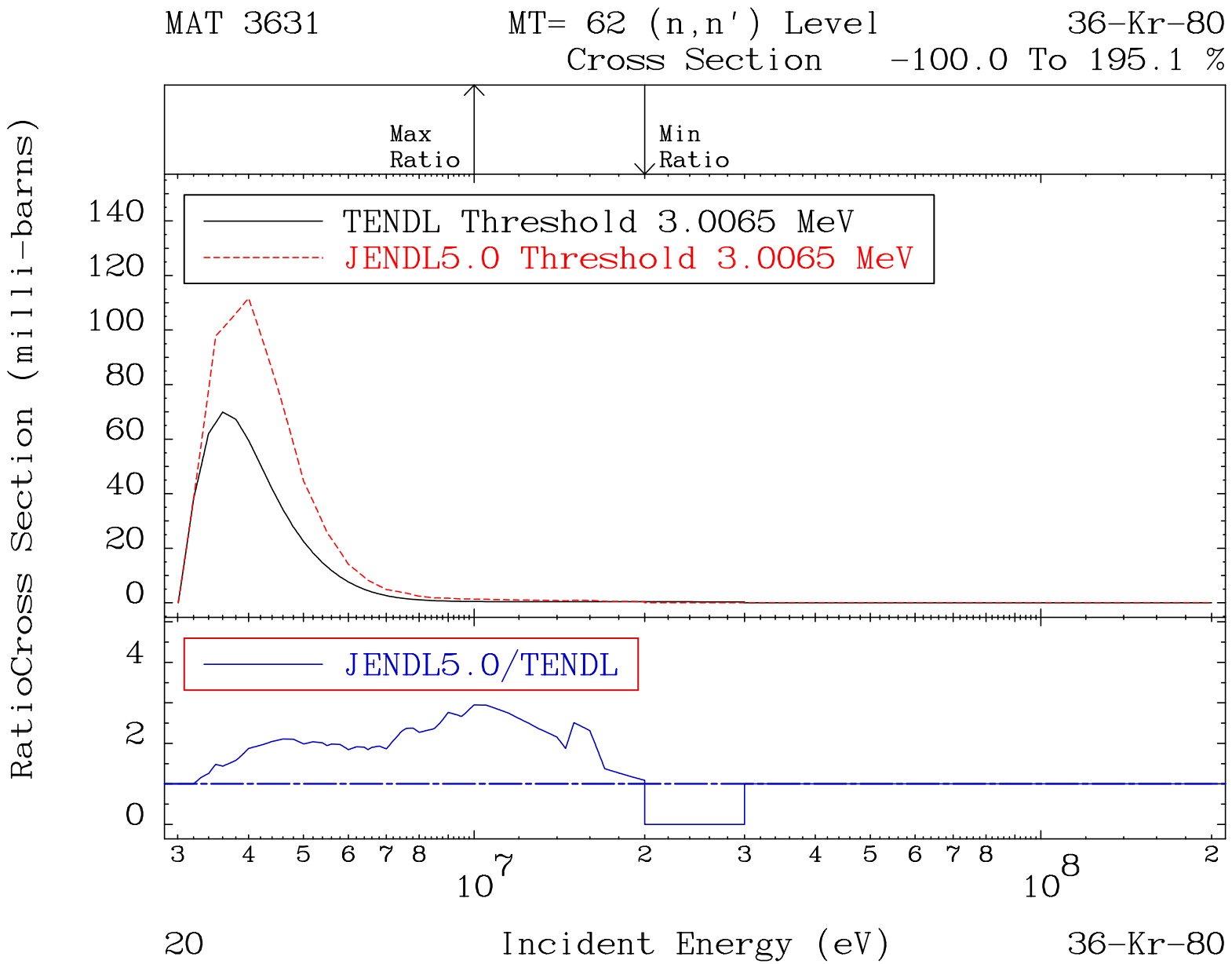

MAT 3631
MT= 57 (n,n') Level
36-Kr-80
Cross Section
-100.0 To 57.22 %
Max Ratio
Min Ratio
TENDL Threshold 2.4223 MeV
JENDL5.0 Threshold 2.4220 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
36-Kr-80

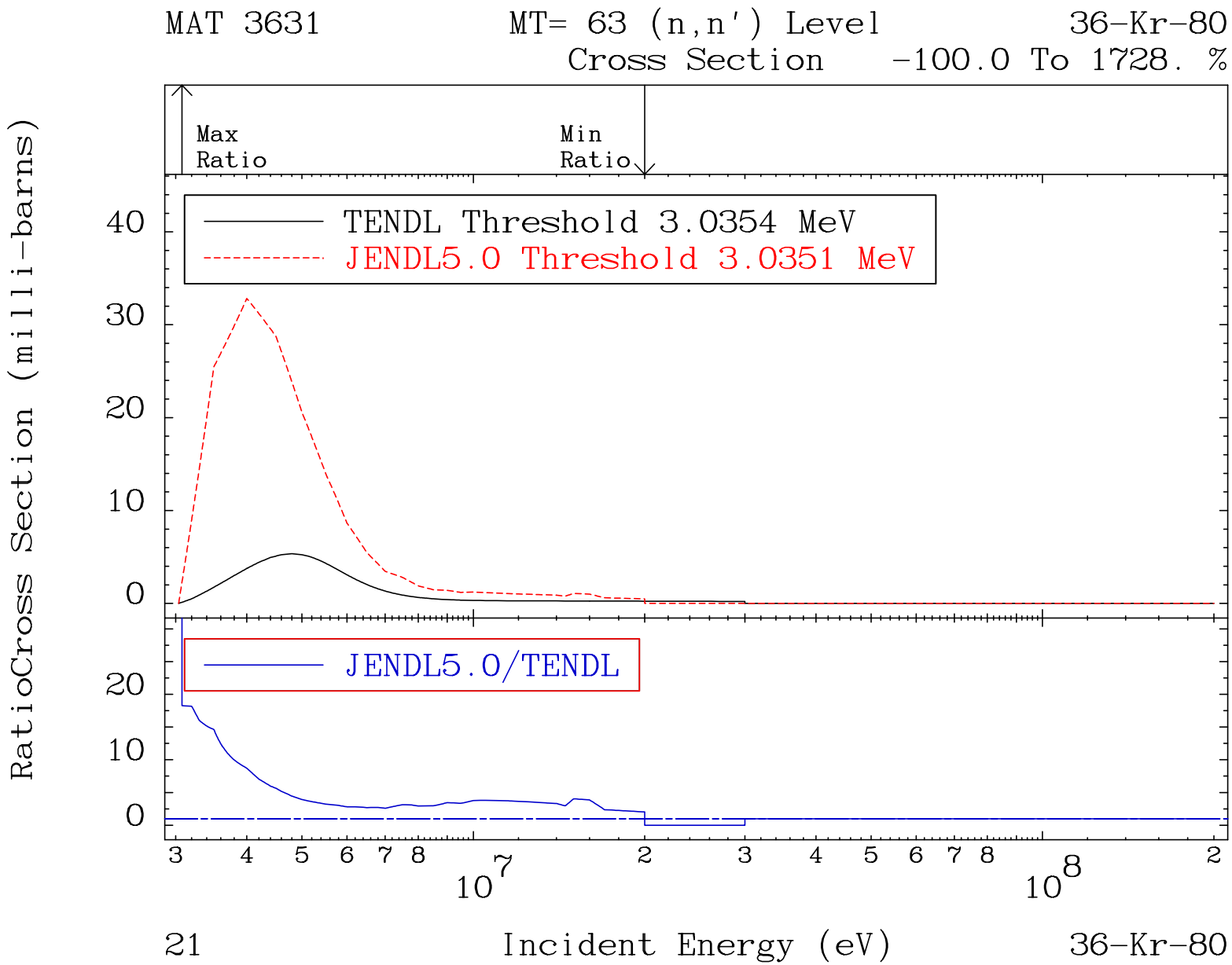

MAT 3631
MT= 58 (n,n') Level
36-Kr-80
Cross Section
-100.0 To 144.5 %
Max Ratio
Min Ratio
TENDL Threshold 2.4700 MeV
JENDL5.0 Threshold 2.4697 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
150
100
50
0
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
16
Incident Energy (eV)
36-Kr-80

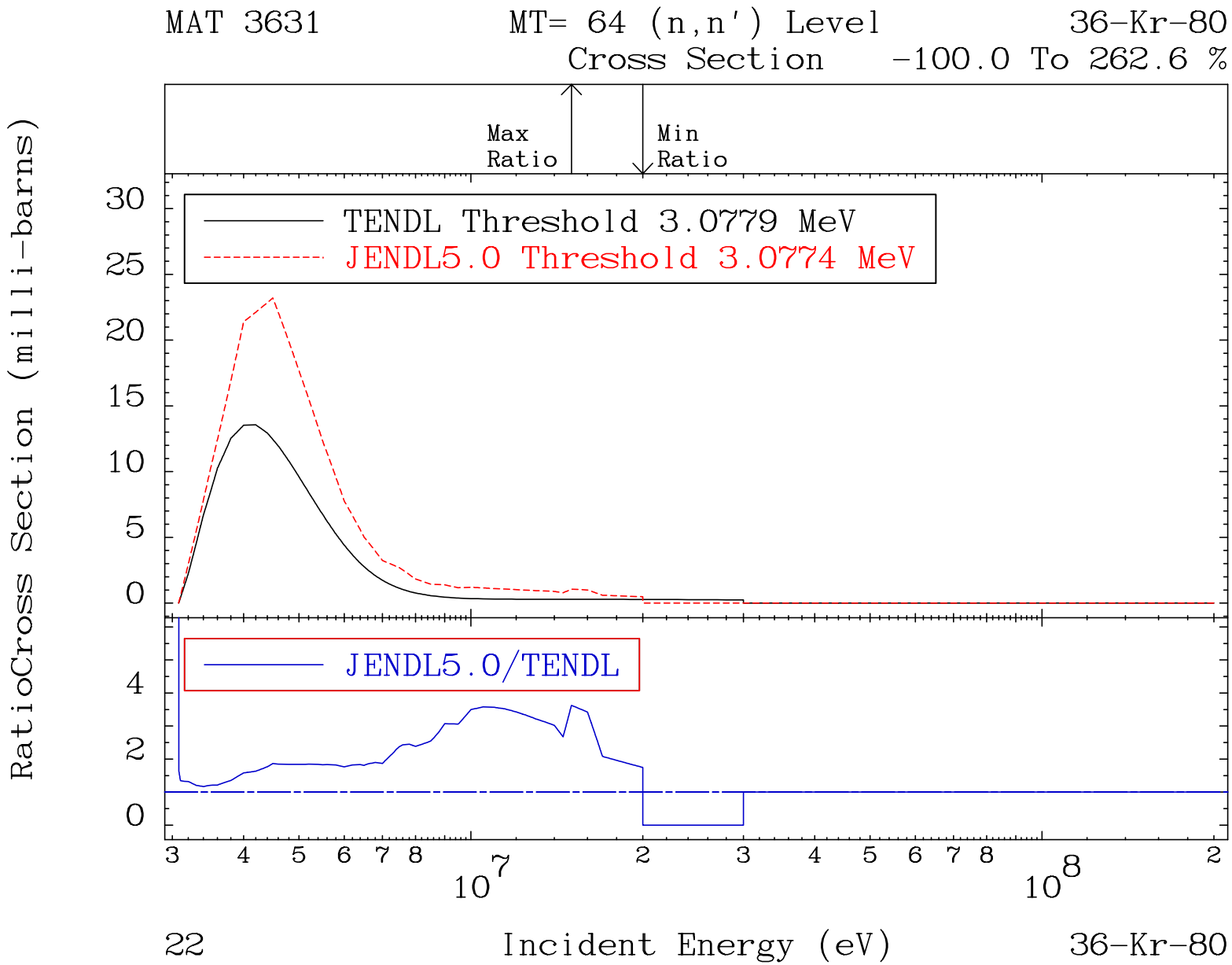

MAT 3631
MT= 59 (n,n') Level
36-Kr-80
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.6933 MeV
JENDL5.0 Threshold 2.6930 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
20
10
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
17
Incident Energy (eV)
36-Kr-80

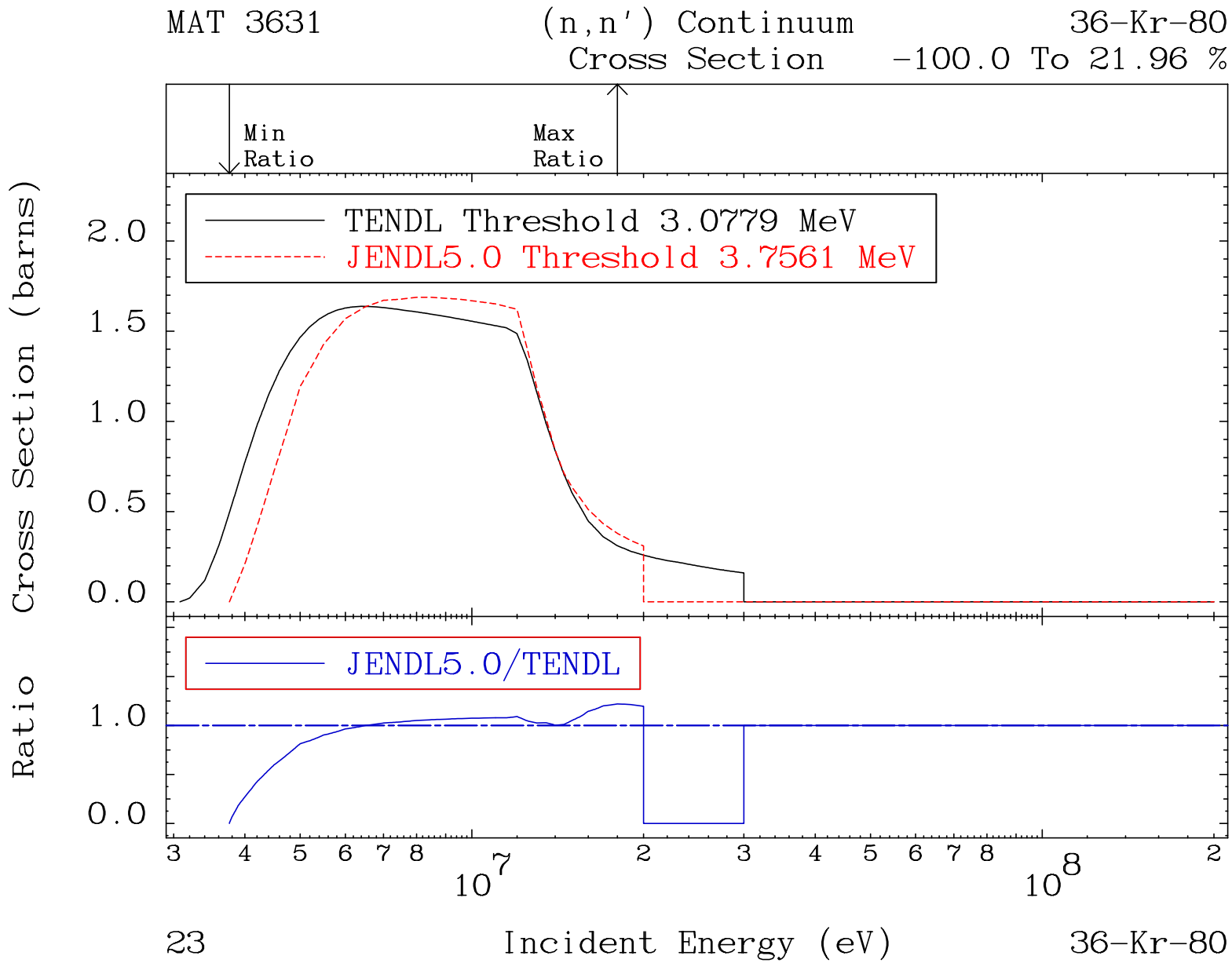

MAT 3631
MT= 60 (n,n') Level
36-Kr-80
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.8283 MeV
JENDL5.0 Threshold 2.8283 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
20
10
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
18
Incident Energy (eV)
36-Kr-80

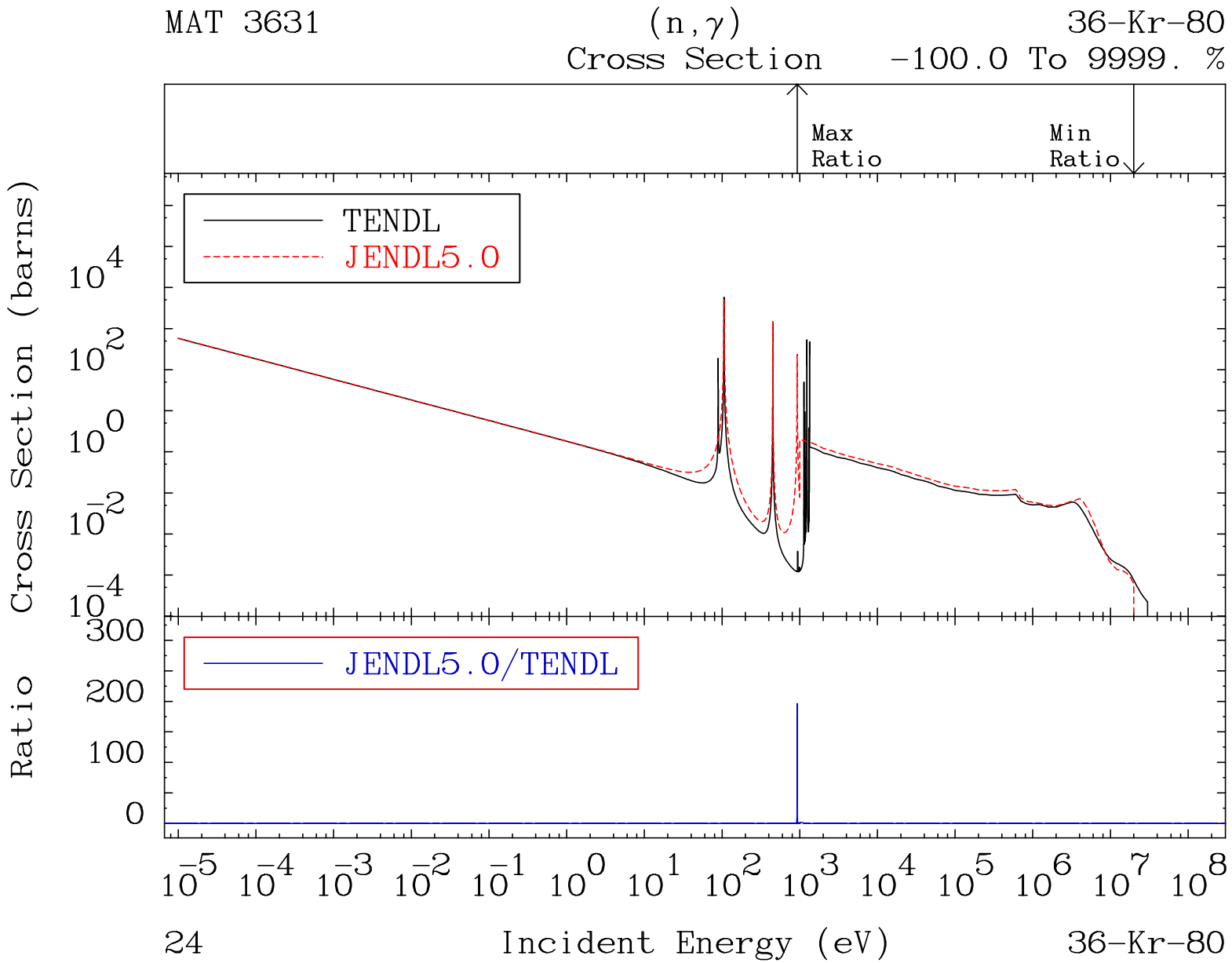

MAT 3631
MT= 61 (n,n') Level
36-Kr-80
Cross Section -100.0 To 264.1 %
Max Ratio
Min Ratio
TENDL Threshold 2.8956 MeV
JENDL5.0 Threshold 2.8956 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
19
36-Kr-80

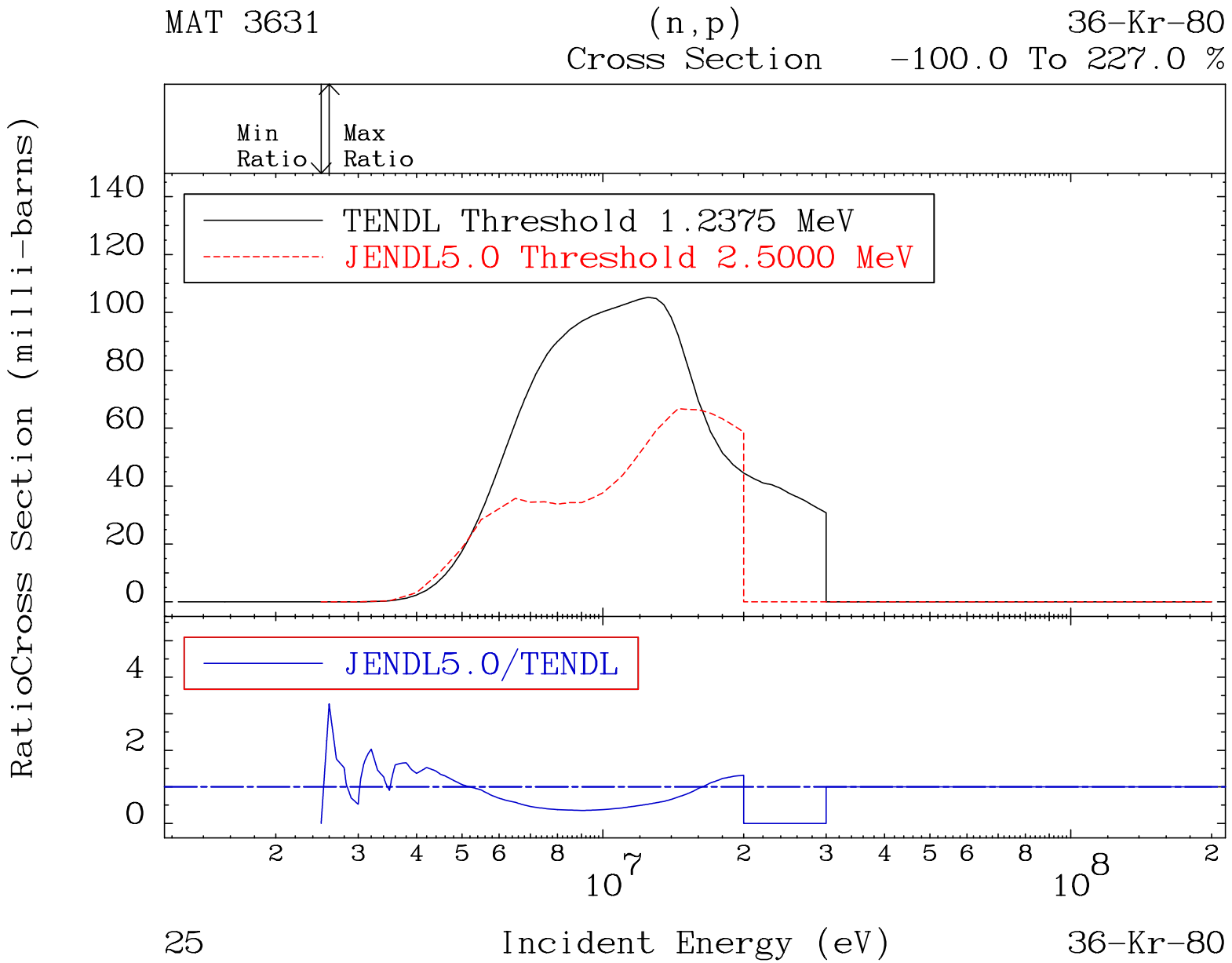

MAT 3631
MT= 62 (n,n') Level
36-Kr-80
Cross Section -100.0 To 195.1 %
Max Ratio
Min Ratio
TENDL Threshold 3.0065 MeV
JENDL5.0 Threshold 3.0065 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
20
36-Kr-80

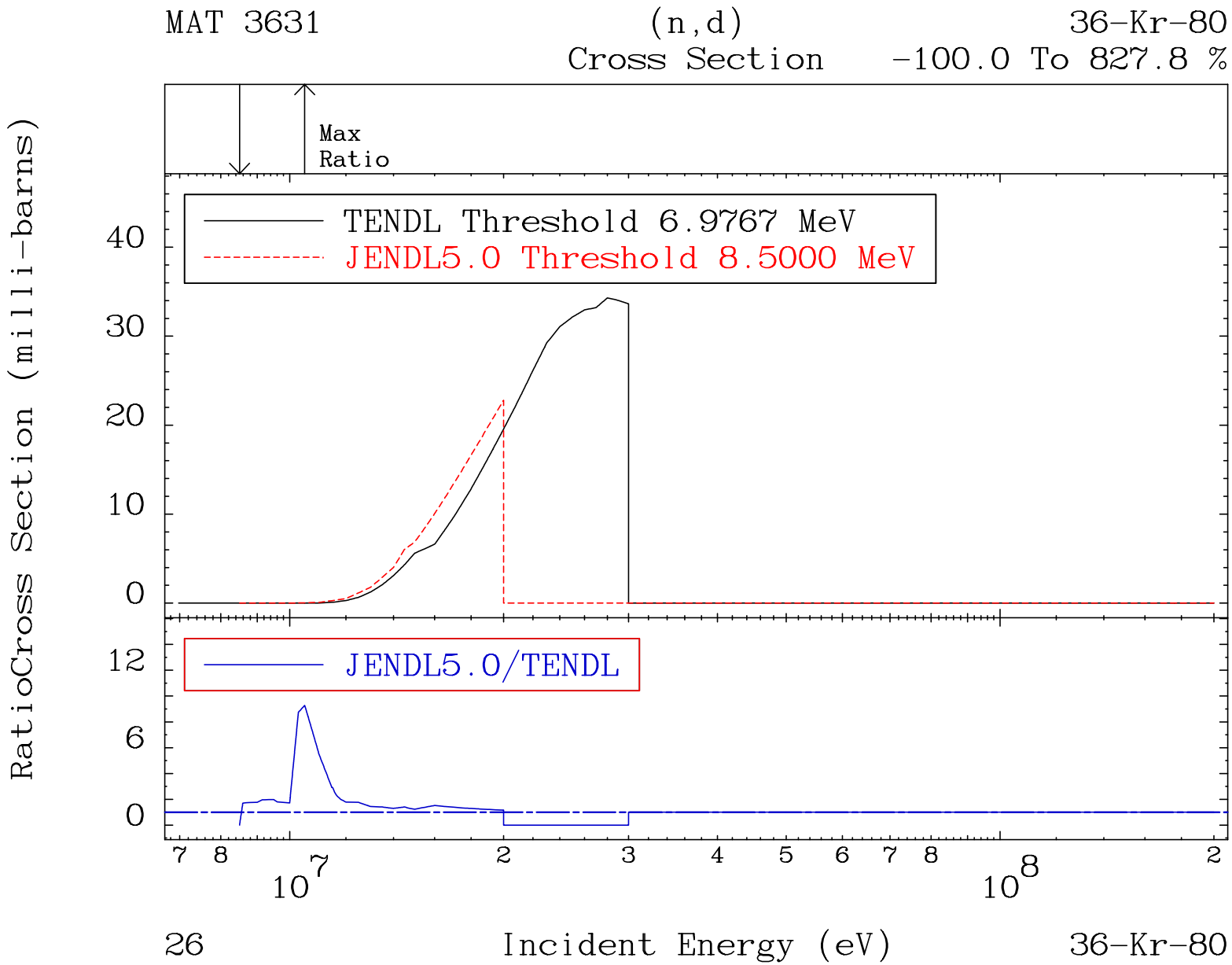

MAT 3631
MT= 63 (n,n') Level
36-Kr-80
Cross Section -100.0 To 1728. %
Max Ratio
Min Ratio
TENDL Threshold 3.0354 MeV
JENDL5.0 Threshold 3.0351 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
20
10
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
21
Incident Energy (eV)
36-Kr-80

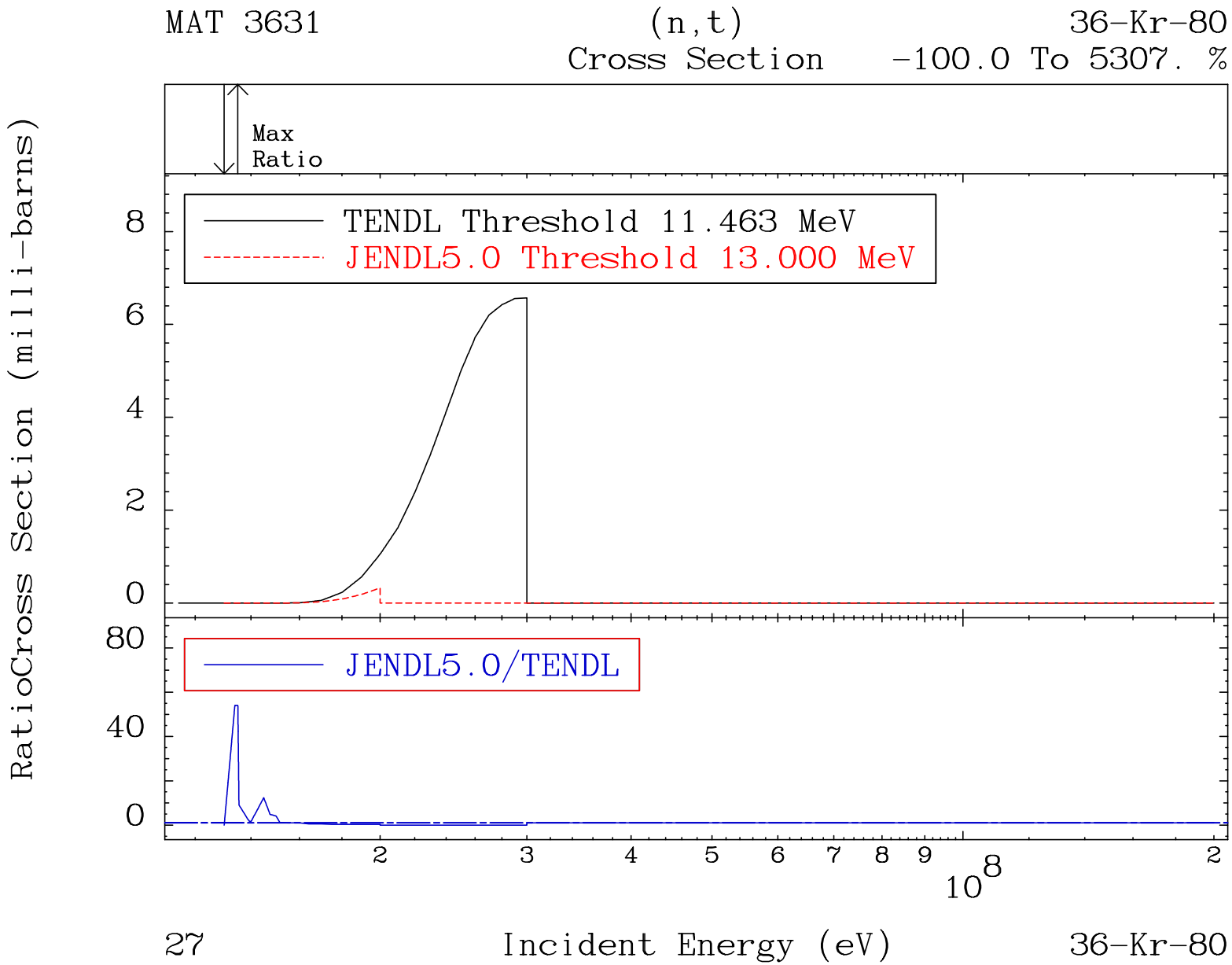

MAT 3631
MT= 64 (n,n') Level
36-Kr-80
Cross Section
-100.0 To 262.6 %
Max Ratio
Min Ratio
TENDL Threshold 3.0779 MeV
JENDL5.0 Threshold 3.0774 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
4
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
36-Kr-80

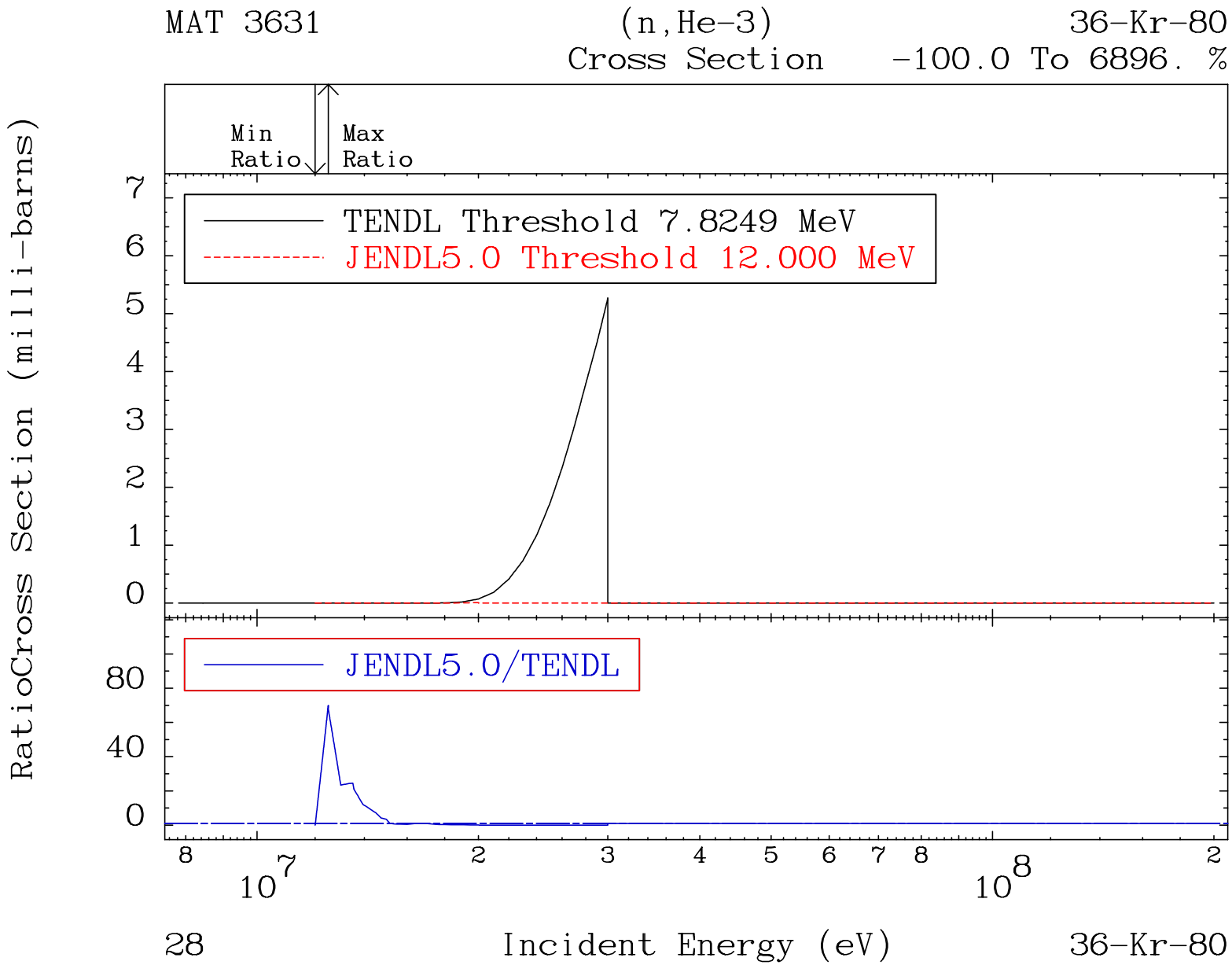

MAT 3631
(n,n') Continuum
Cross Section
36-Kr-80
-100.0 To 21.96 %
Min Ratio
Max Ratio
TENDL Threshold 3.0779 MeV
JENDL5.0 Threshold 3.7561 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
36-Kr-80

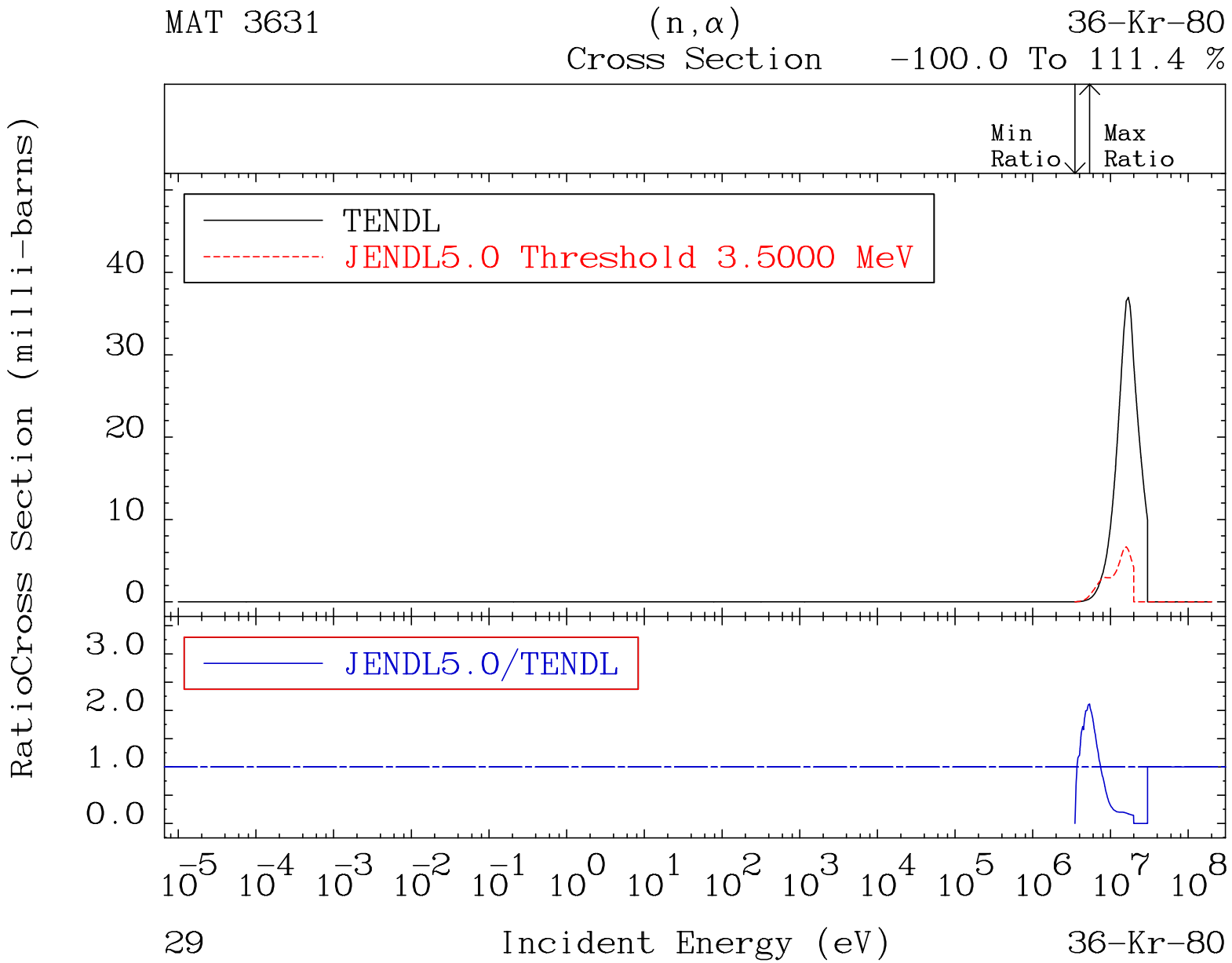

MAT 3631
(n,γ)
Cross Section
36-Kr-80
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
24
36-Kr-80

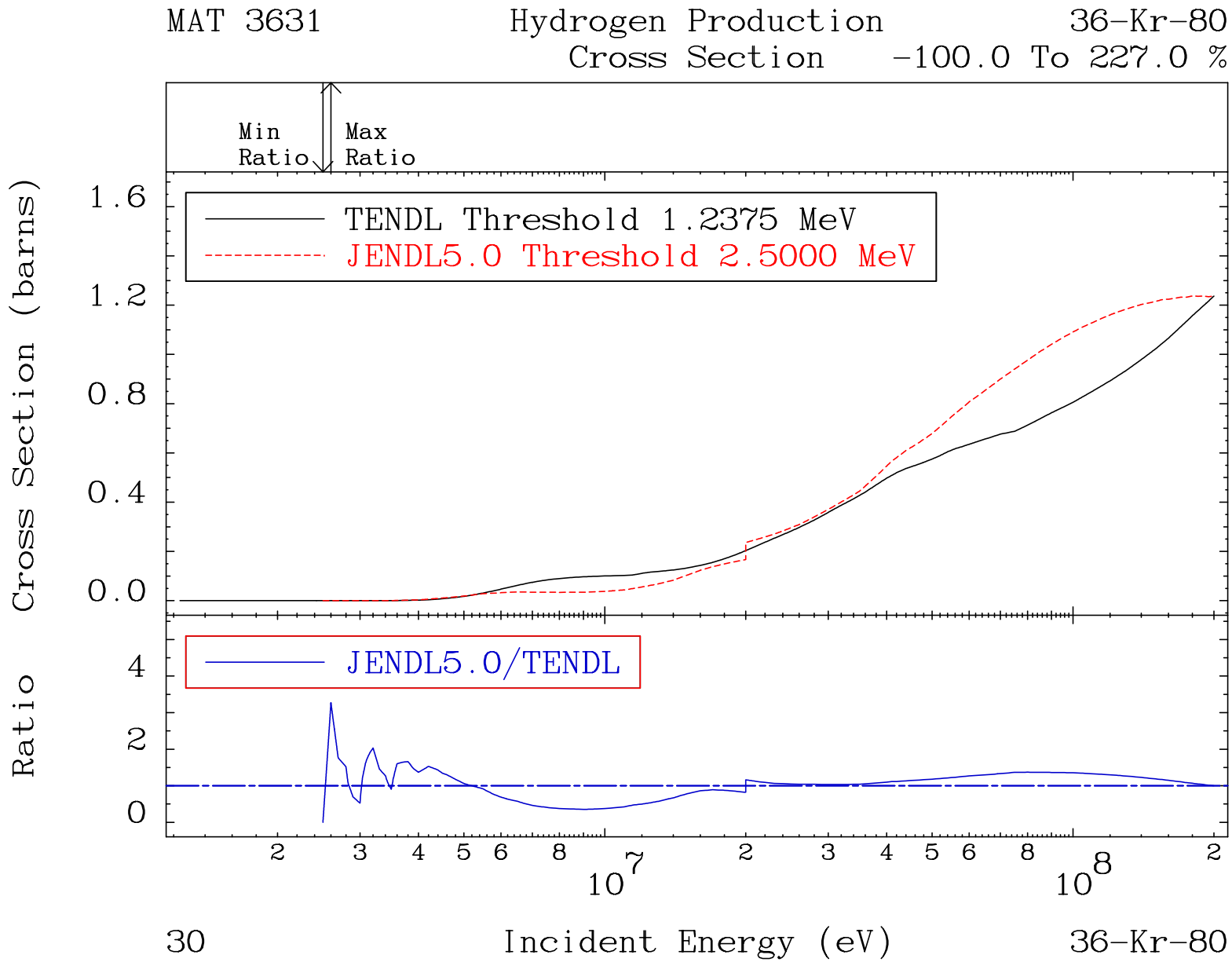

MAT 3631
(n,p)
Cross Section
36-Kr-80
-100.0 To 227.0 %
Min Ratio
Max Ratio
TENDL Threshold 1.2375 MeV
JENDL5.0 Threshold 2.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
25
36-Kr-80

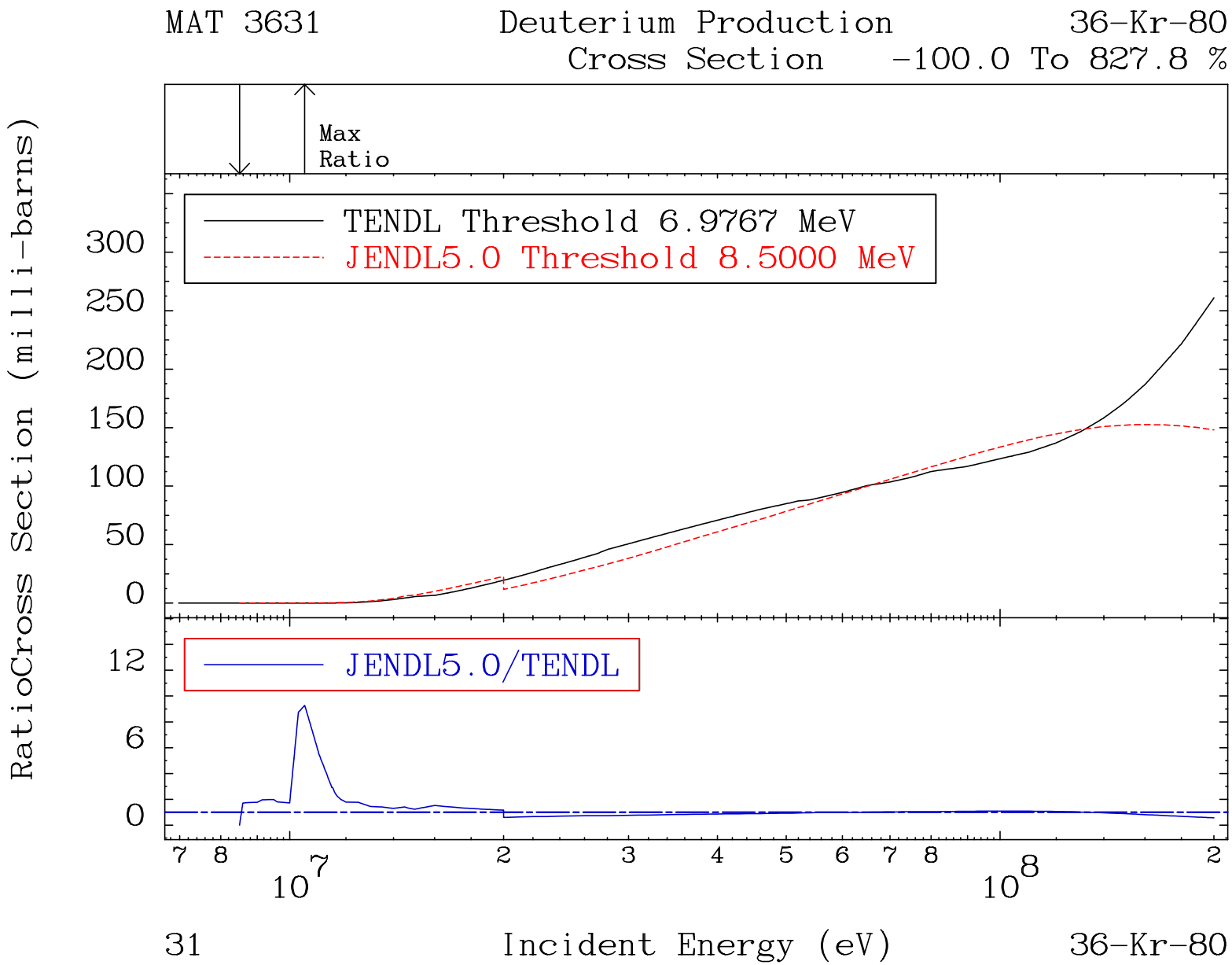

MAT 3631
(n,d)
Cross Section
36-Kr-80
-100.0 To 827.8 %
Max
Ratio
TENDL Threshold 6.9767 MeV
JENDL5.0 Threshold 8.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
12
6
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
26
Incident Energy (eV)
36-Kr-80

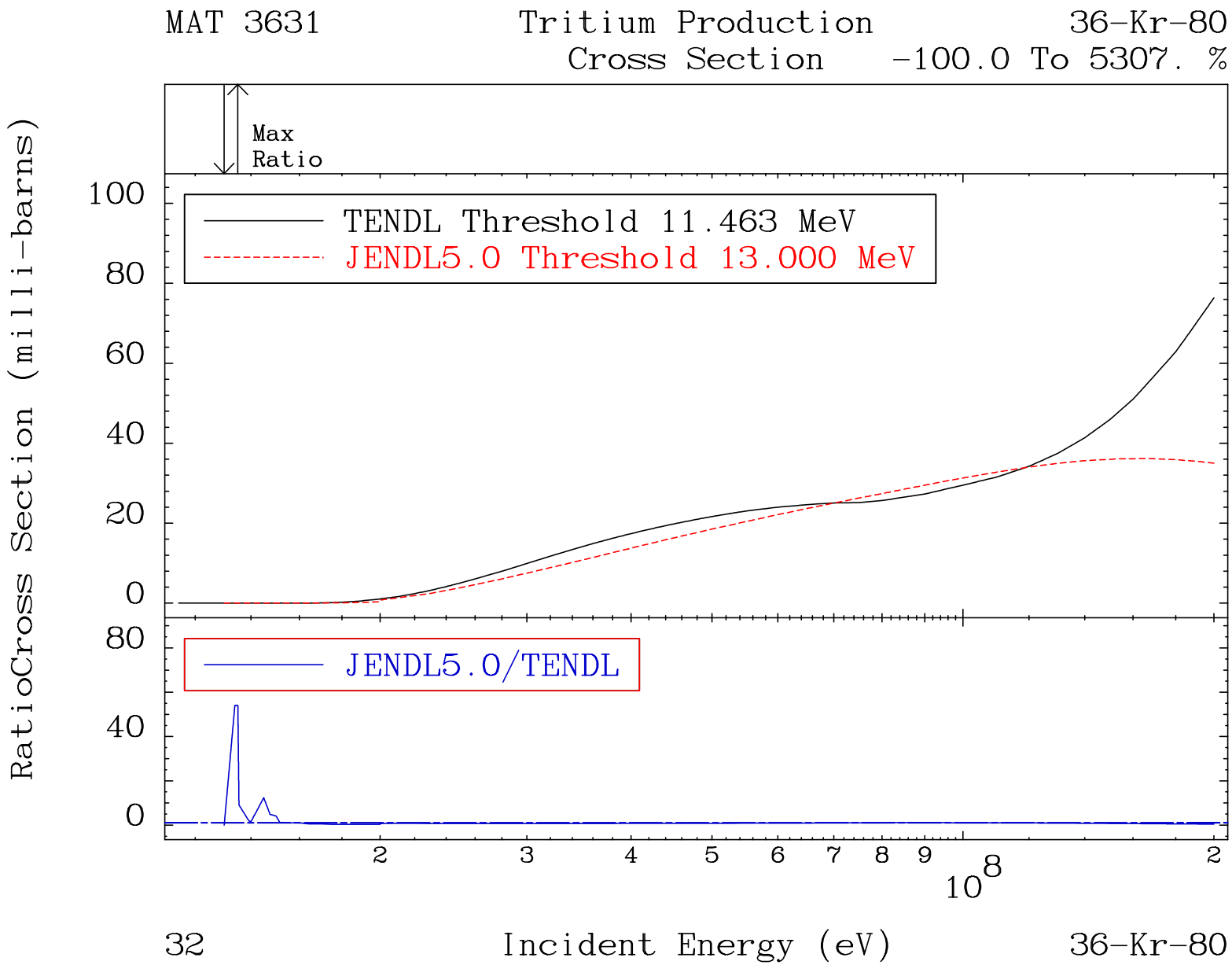

MAT 3631
(n,t)
Cross Section
36-Kr-80
-100.0 To 5307. %
Max
Ratio
TENDL Threshold 11.463 MeV
JENDL5.0 Threshold 13.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
8
6
4
2
0
80
40
0
2
3
4
5
6
7
8
9
2
10^8
27
Incident Energy (eV)
36-Kr-80

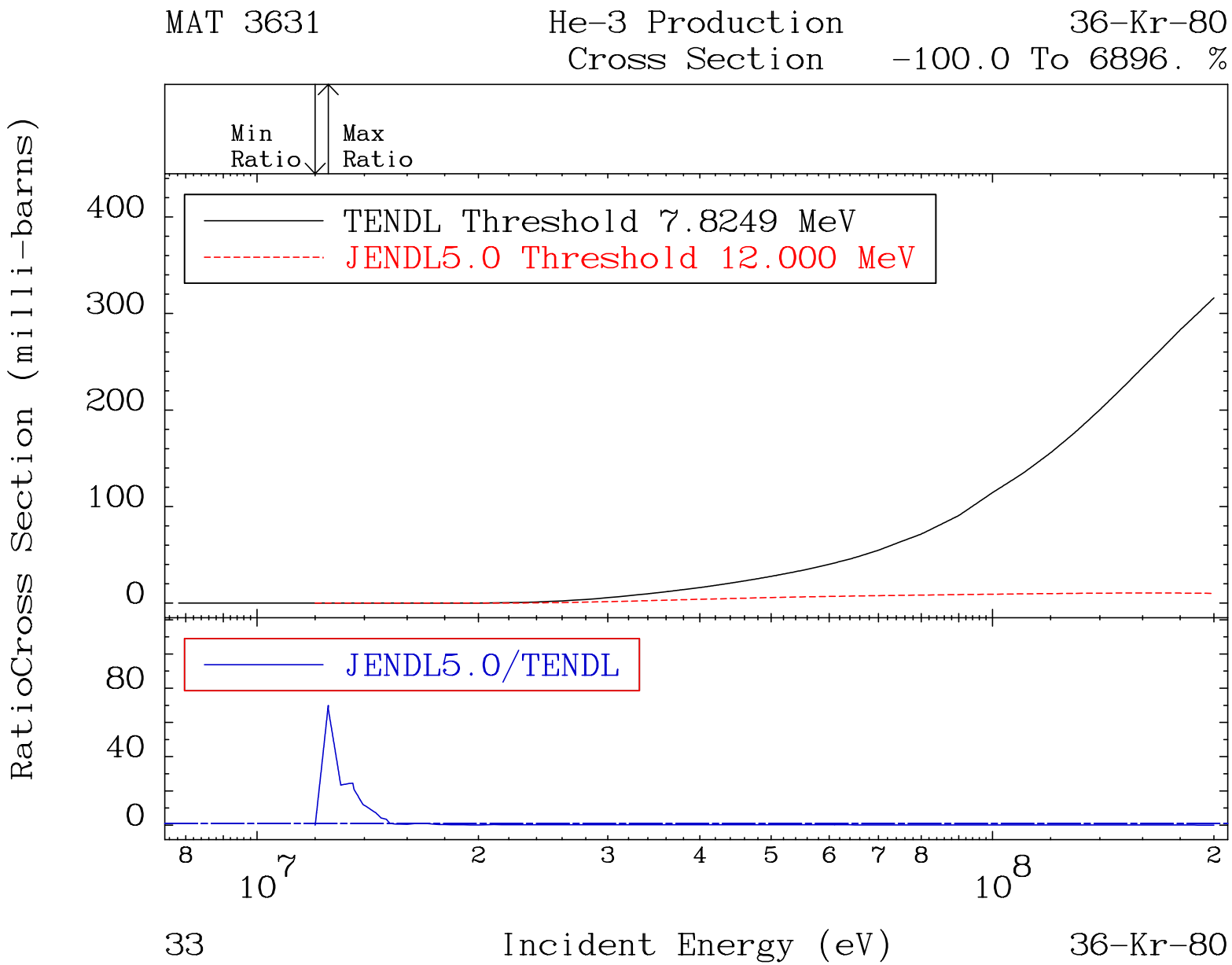

MAT 3631
(n,He-3)
Cross Section
36-Kr-80
-100.0 To 6896. %
Min Ratio
Max Ratio
TENDL Threshold 7.8249 MeV
JENDL5.0 Threshold 12.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
28
36-Kr-80

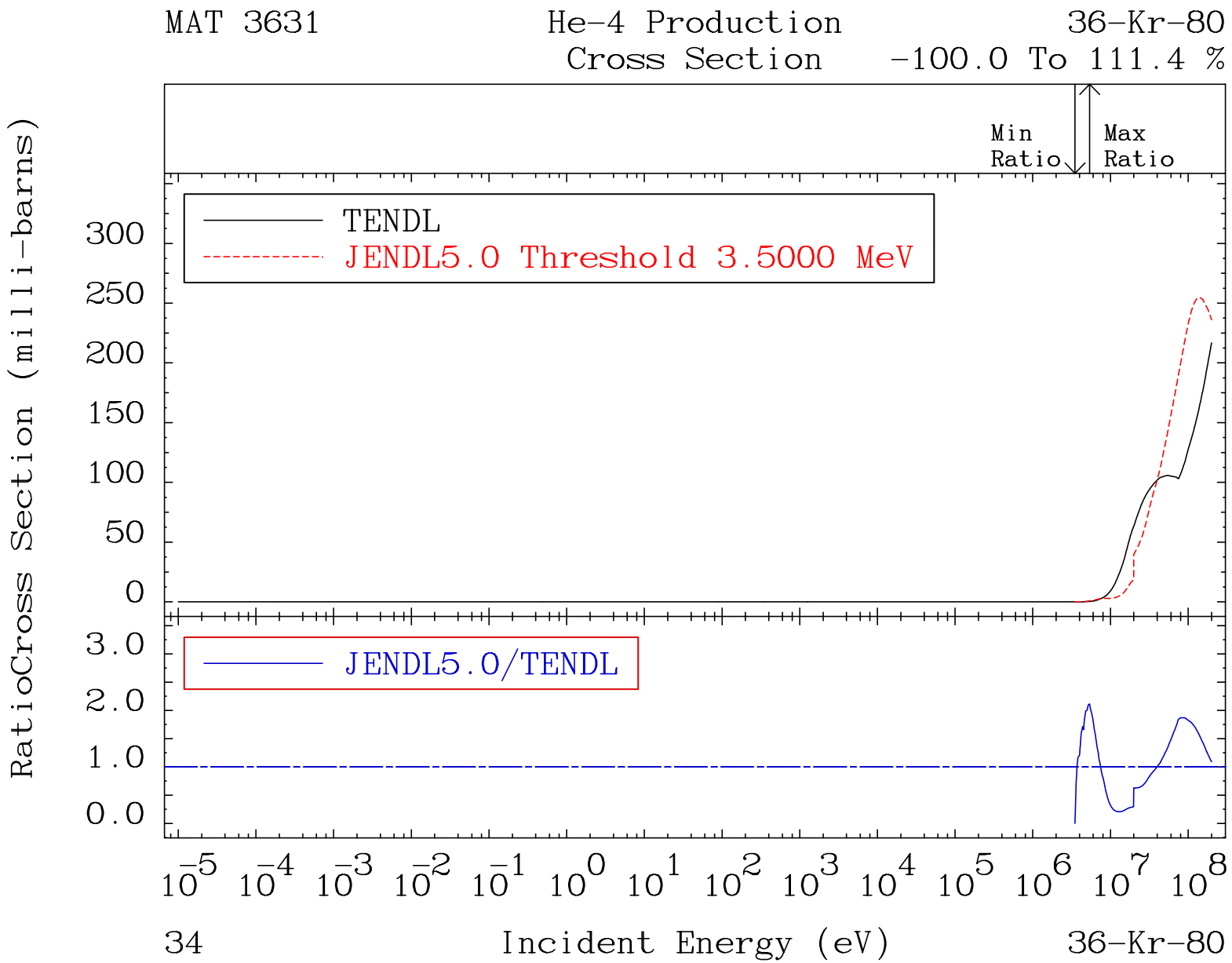

MAT 3631
(n,α)
Cross Section
36-Kr-80
-100.0 To 111.4 %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 3.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
3.0
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
29
Incident Energy (eV)
36-Kr-80

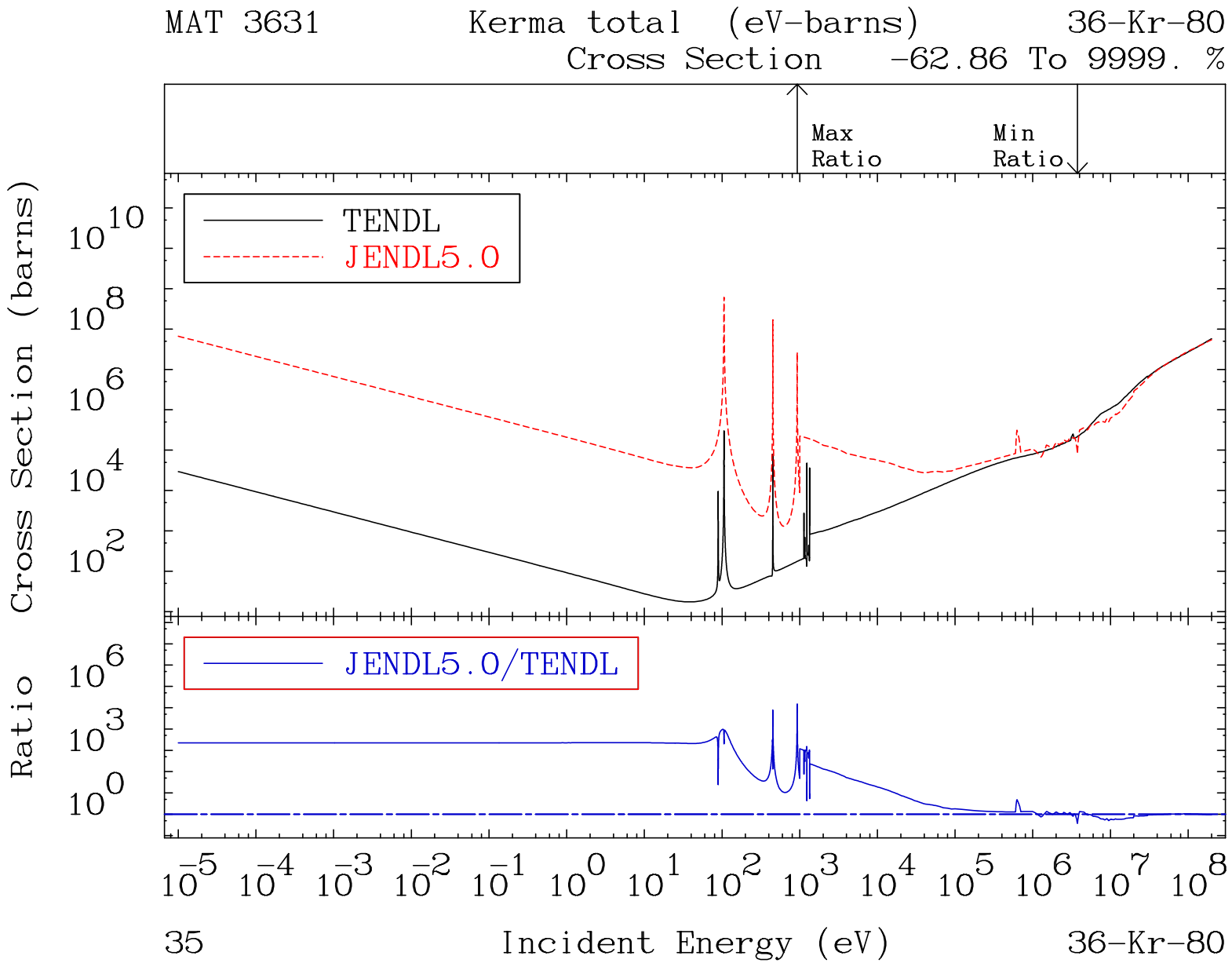

MAT 3631
Hydrogen Production
36-Kr-80
Cross Section
-100.0 To 227.0 %
Min Ratio
Max Ratio
TENDL Threshold 1.2375 MeV
JENDL5.0 Threshold 2.5000 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
JENDL5.0/TENDL
Ratio
4
2
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
30
Incident Energy (eV)
36-Kr-80

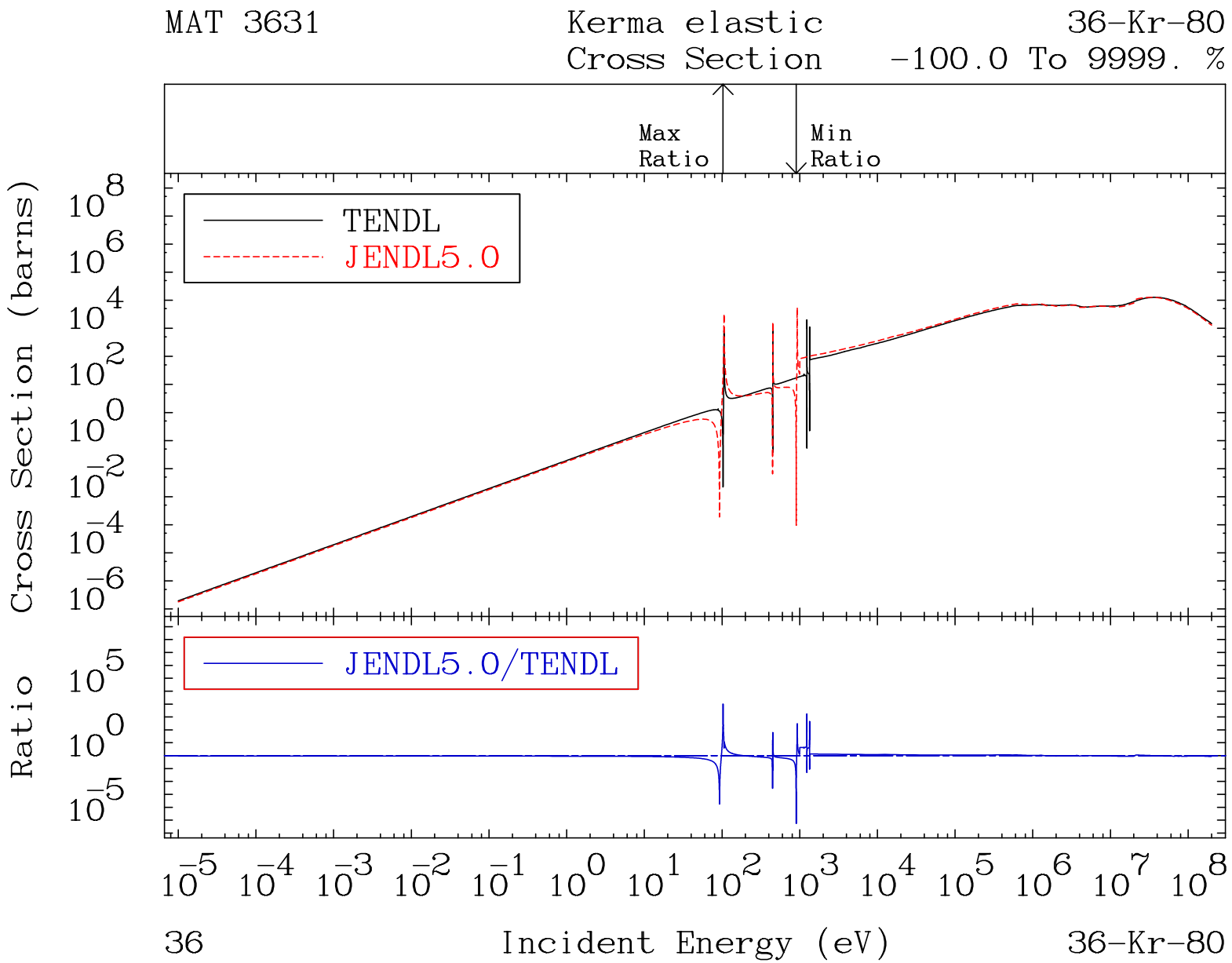

MAT 3631
Deuterium Production
36-Kr-80
Cross Section -100.0 To 827.8 %
Max
Ratio
TENDL Threshold 6.9767 MeV
JENDL5.0 Threshold 8.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
12
6
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
36-Kr-80

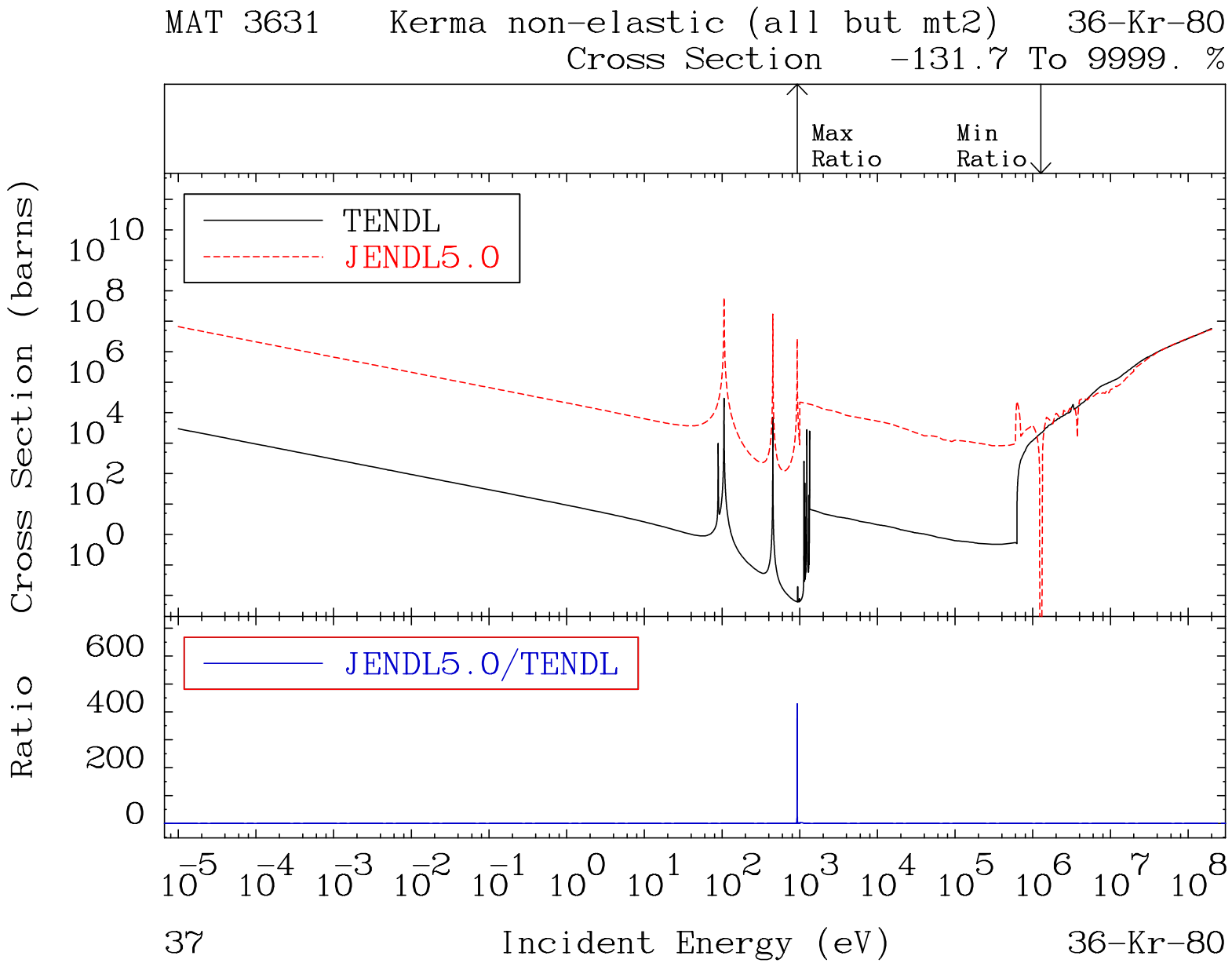

MAT 3631
Tritium Production
36-Kr-80
Cross Section
-100.0 To 5307. %
Max
Ratio
TENDL Threshold 11.463 MeV
JENDL5.0 Threshold 13.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
80
40
0
2
3
4
5
6
7
8
9
2
10^8
32
Incident Energy (eV)
36-Kr-80

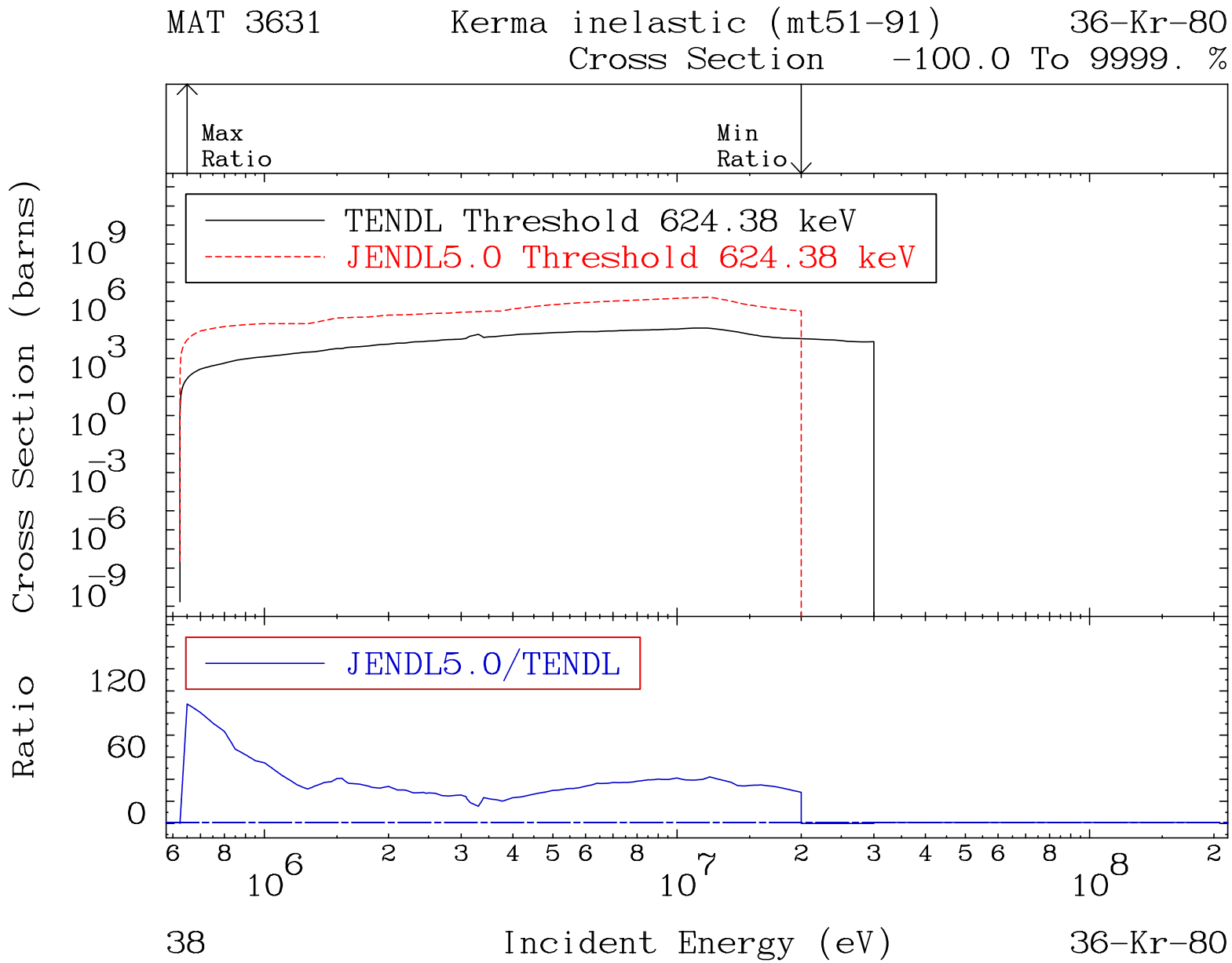

MAT 3631
He-3 Production
Cross Section
36-Kr-80
-100.0 To 6896. %
Min Ratio
Max Ratio
TENDL Threshold 7.8249 MeV
JENDL5.0 Threshold 12.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
80
40
0
8
2
3
4
5
6
7
8
2
10^7
10^8
33
Incident Energy (eV)
36-Kr-80

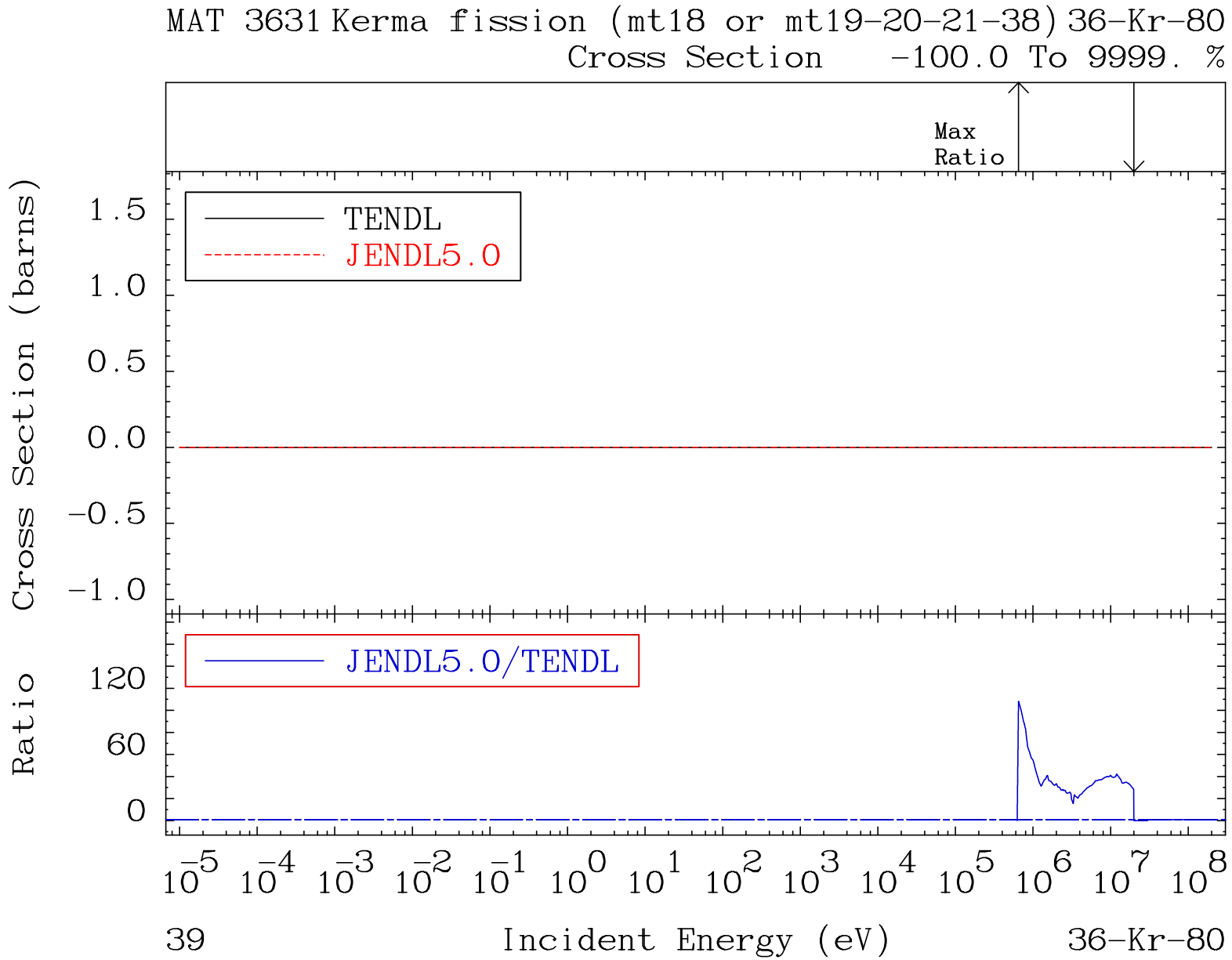

MAT 3631
He-4 Production
Cross Section
36-Kr-80
-100.0 To 111.4 %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 3.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
3.0
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
34
Incident Energy (eV)
36-Kr-80

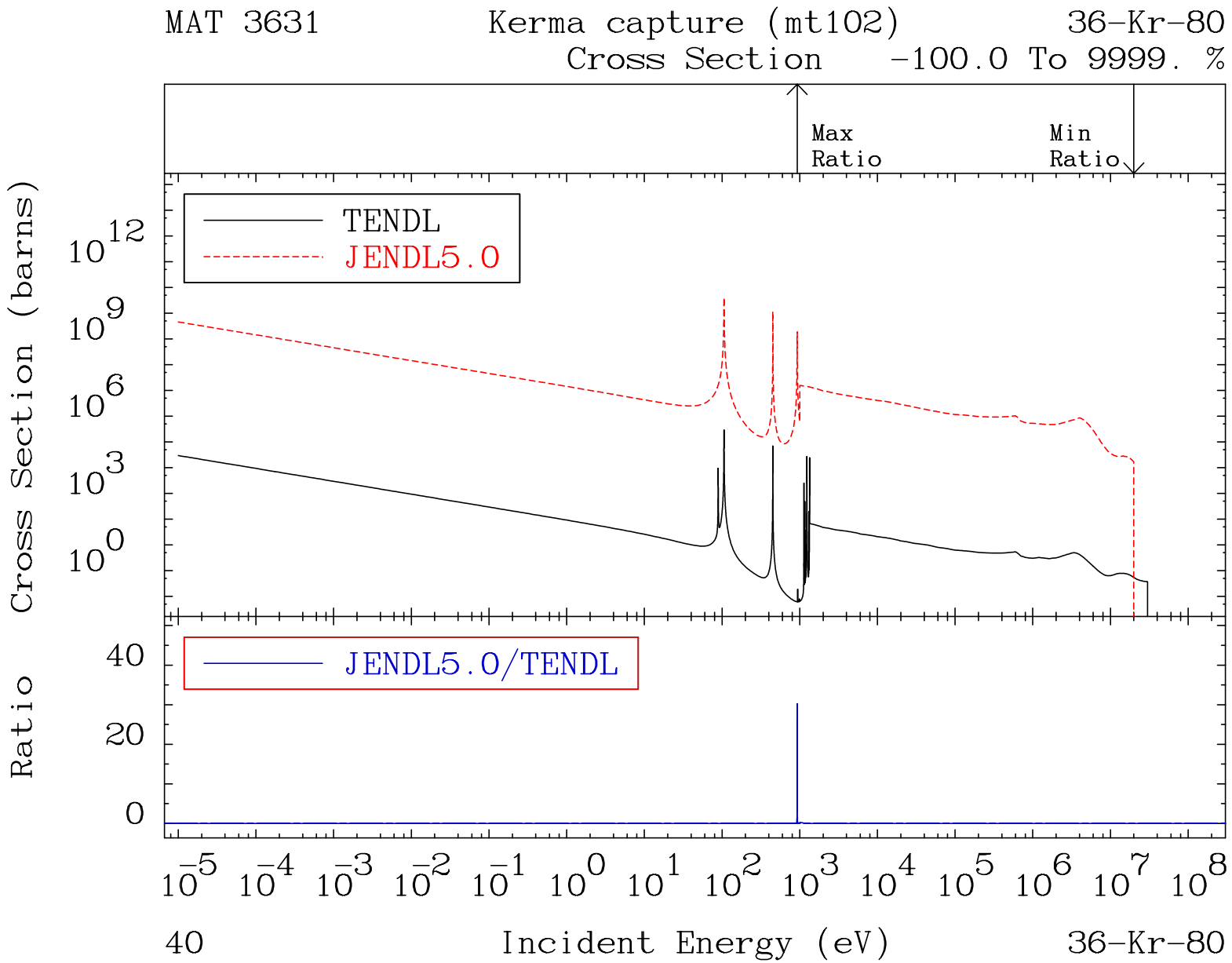

MAT 3631
Kerma total (eV-barns)
36-Kr-80
Cross Section -62.86 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
35
36-Kr-80

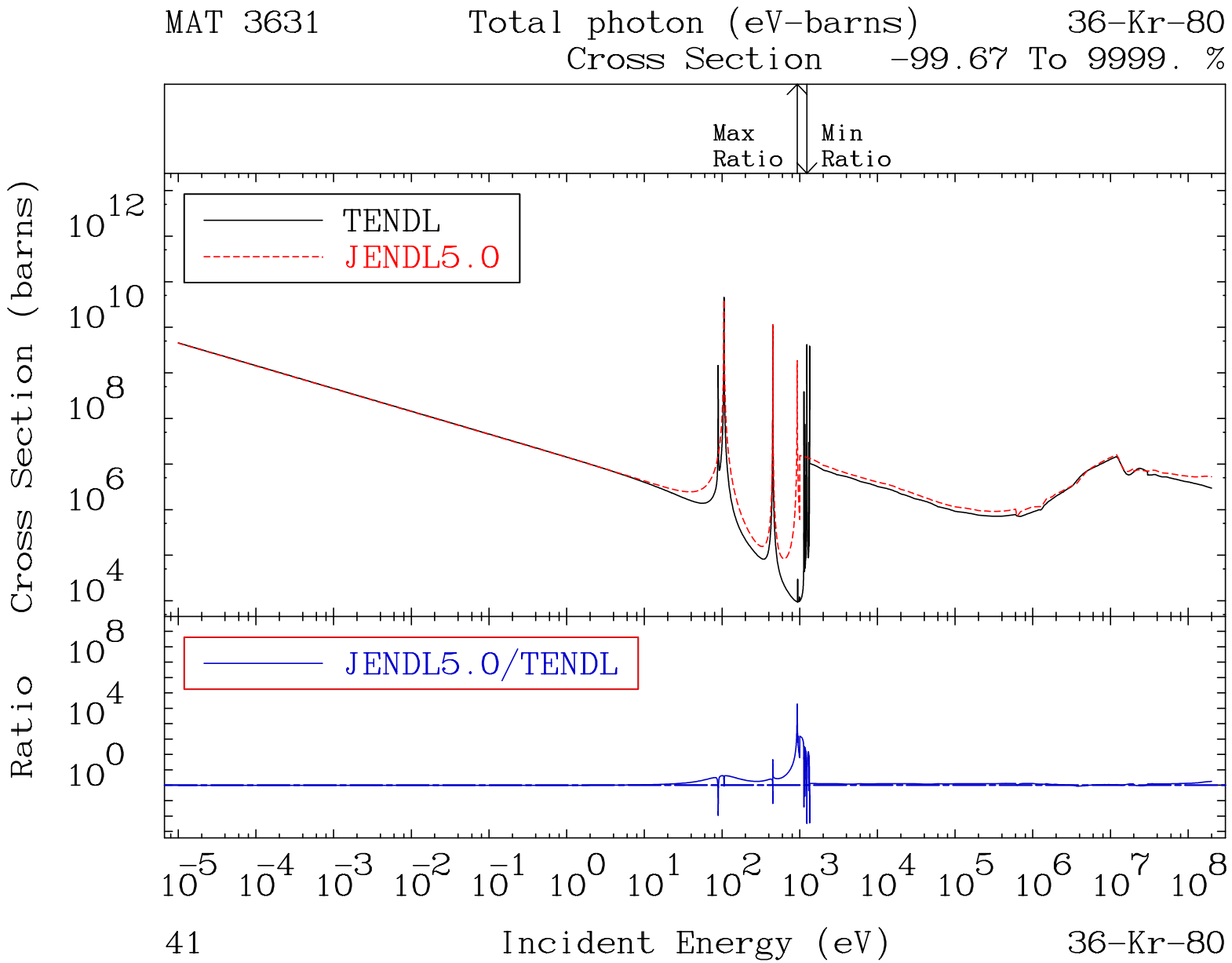

MAT 3631
Kerma elastic
Cross Section
36-Kr-80
-100.0 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
36
36-Kr-80

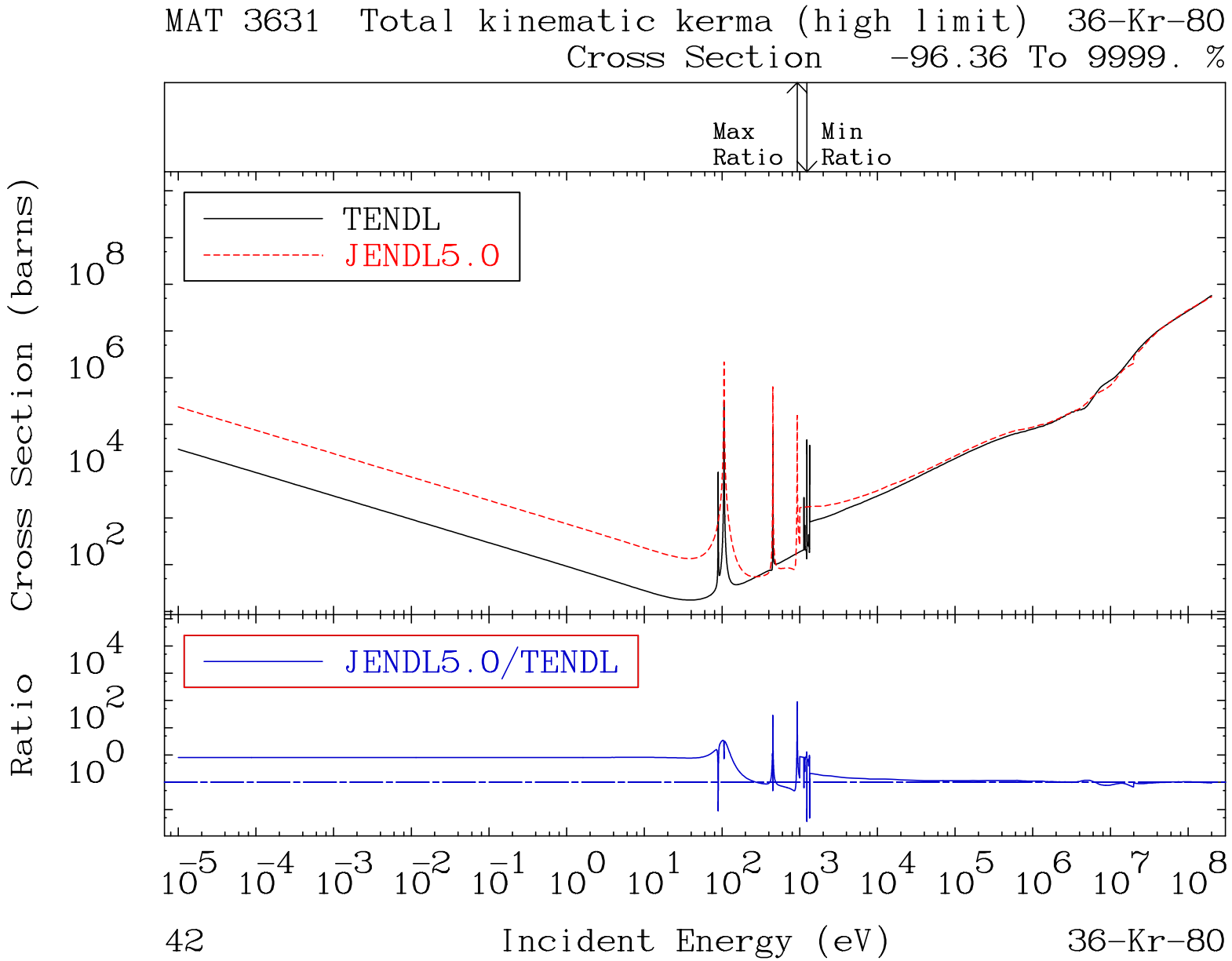

MAT 3631 Kerma non-elastic (all but mt2) 36-Kr-80
Cross Section -131.7 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
37
36-Kr-80

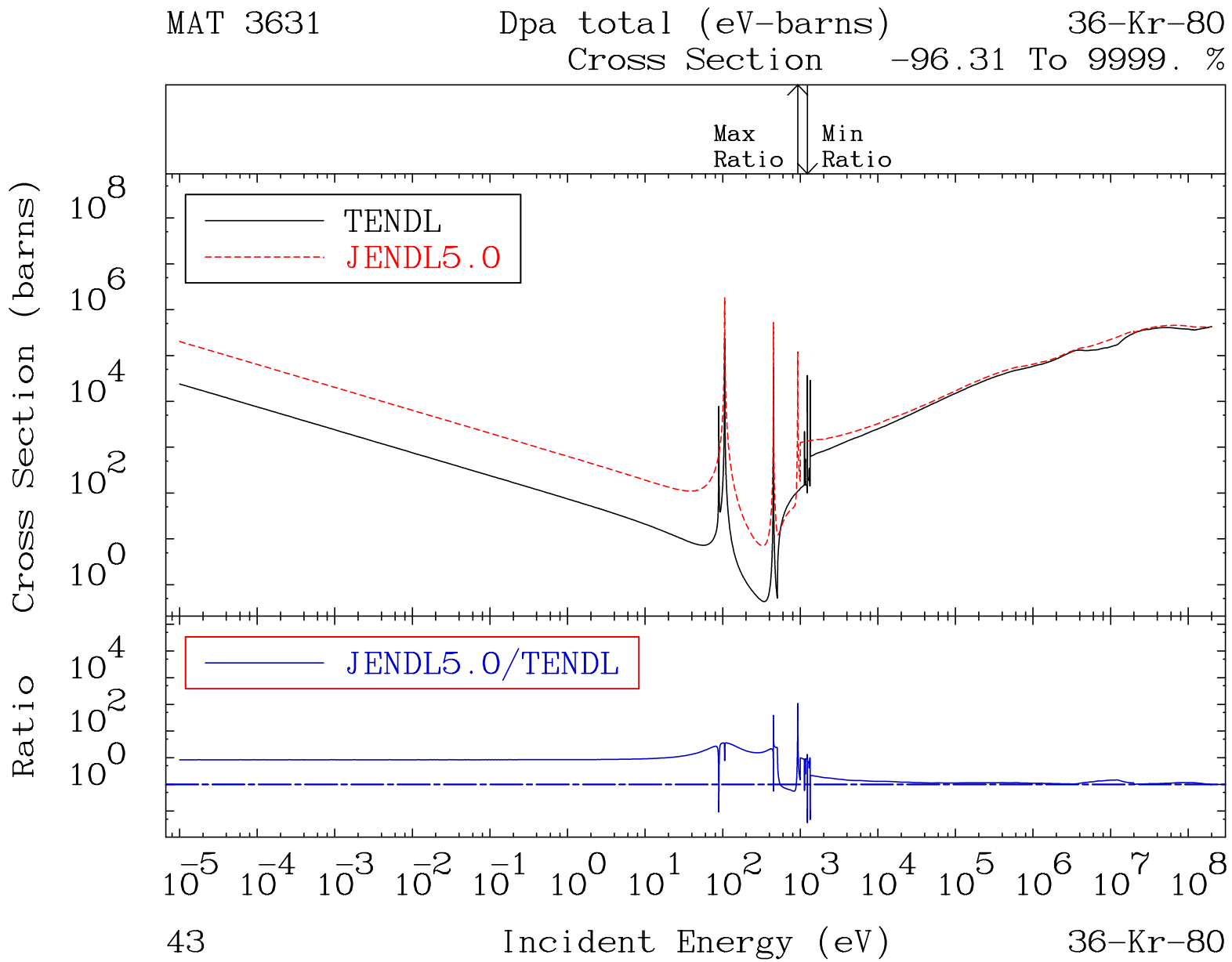

MAT 3631
Kerma inelastic (mt51-91)
36-Kr-80
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 624.38 keV
JENDL5.0 Threshold 624.38 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
38
36-Kr-80

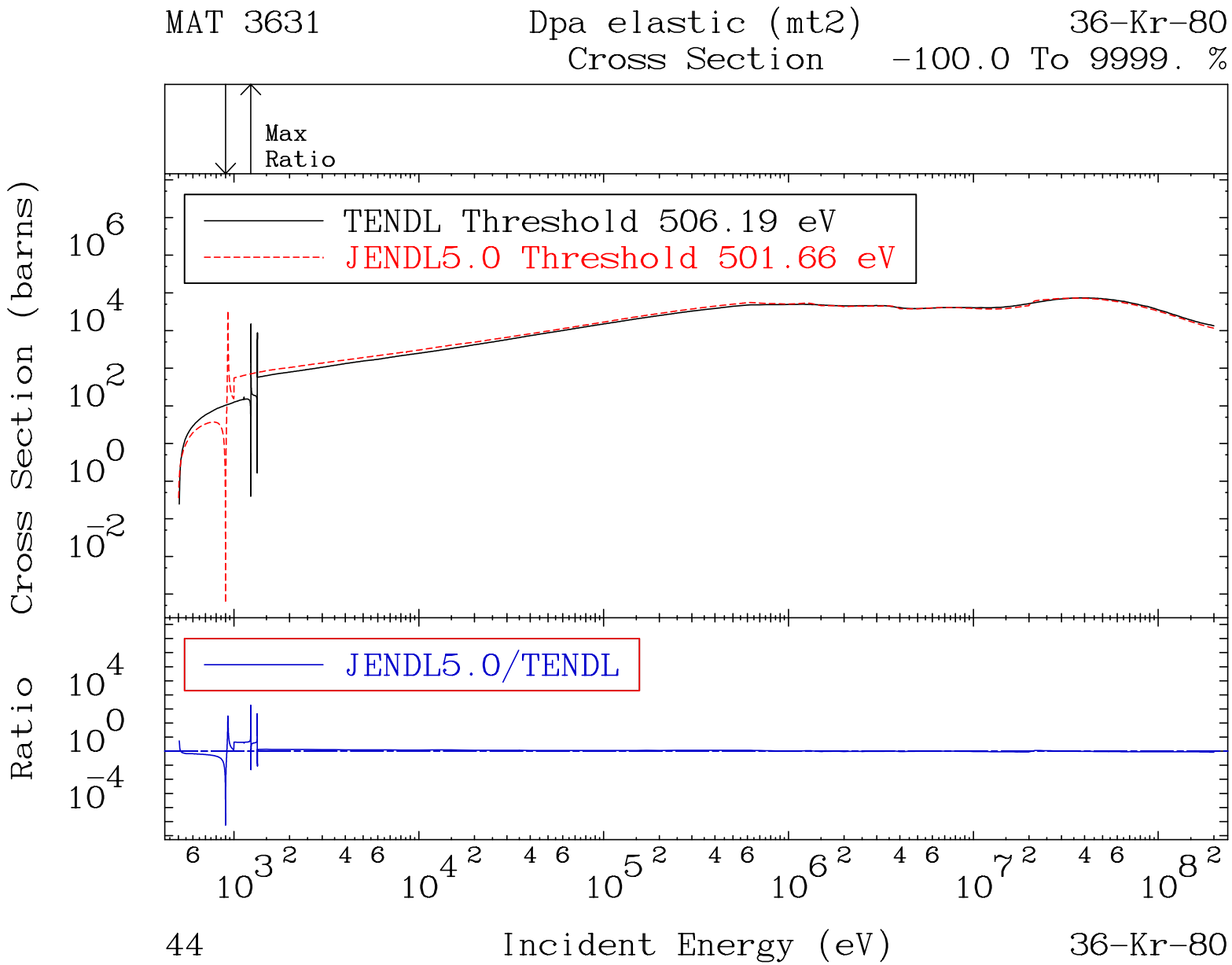

MAT 3631 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-80
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
120
60
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
39
Incident Energy (eV)
36-Kr-80

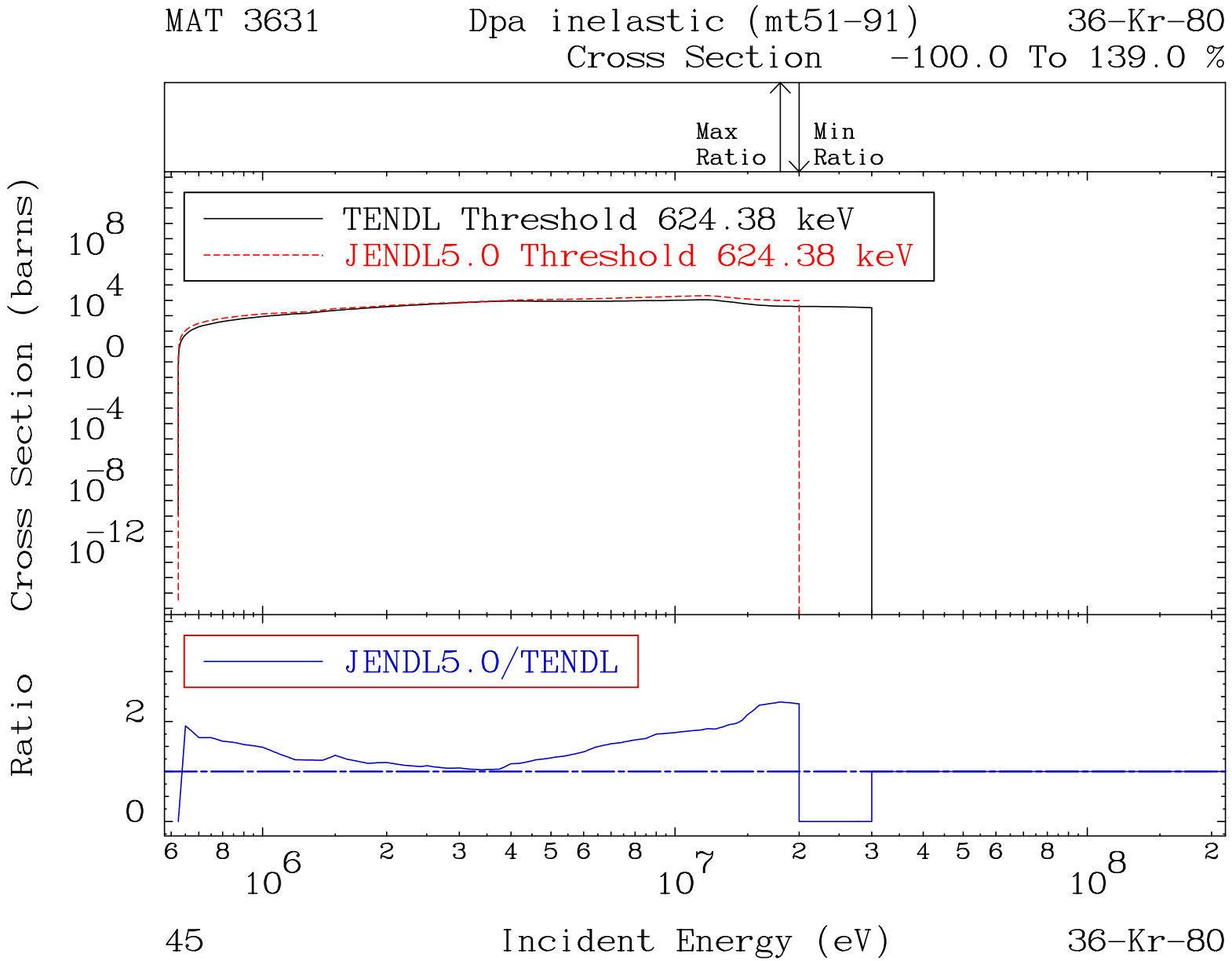

MAT 3631
Kerma capture (mt102)
36-Kr-80
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
40
36-Kr-80

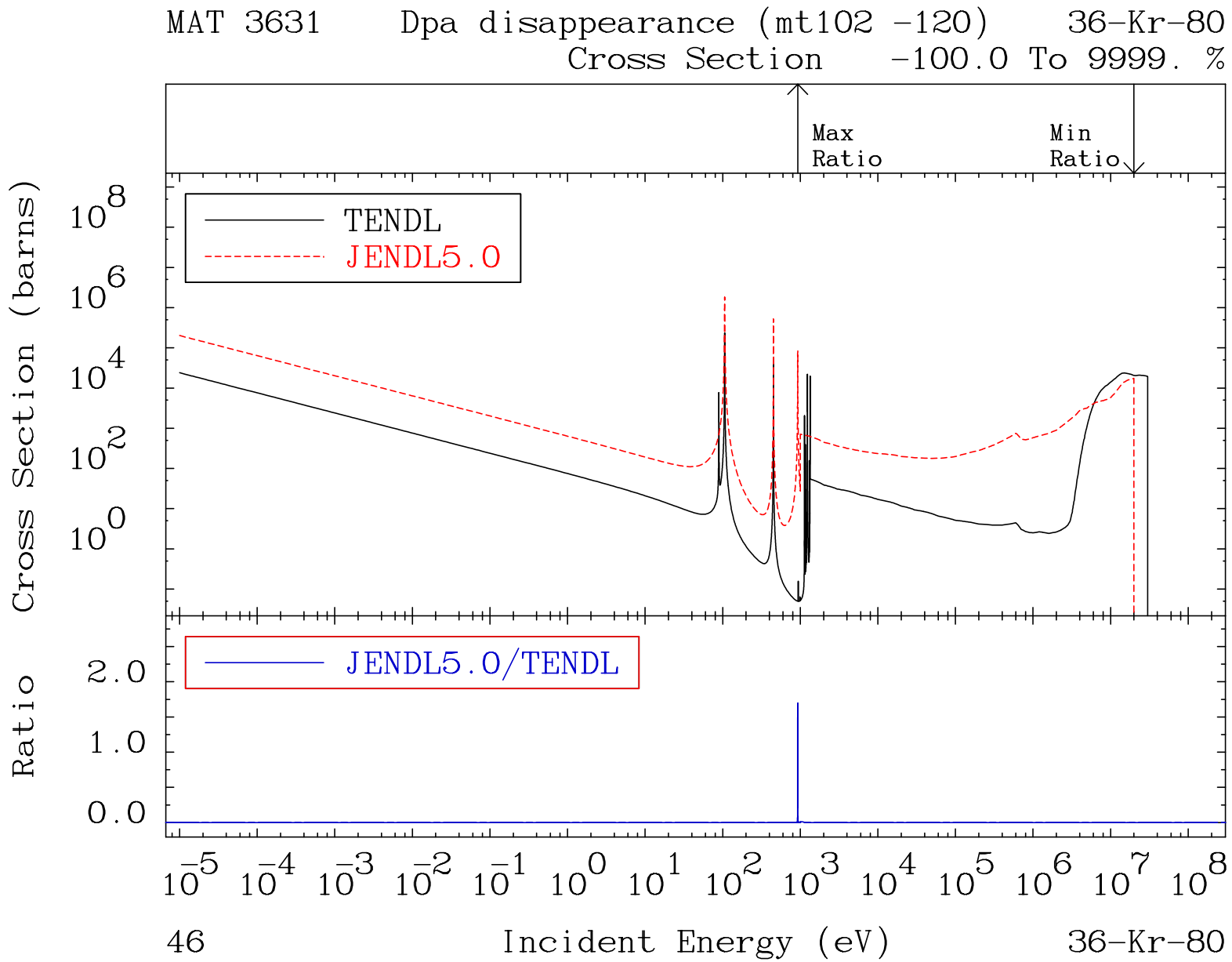

MAT 3631
Total photon (eV-barns)
36-Kr-80
Cross Section -99.67 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
41
36-Kr-80

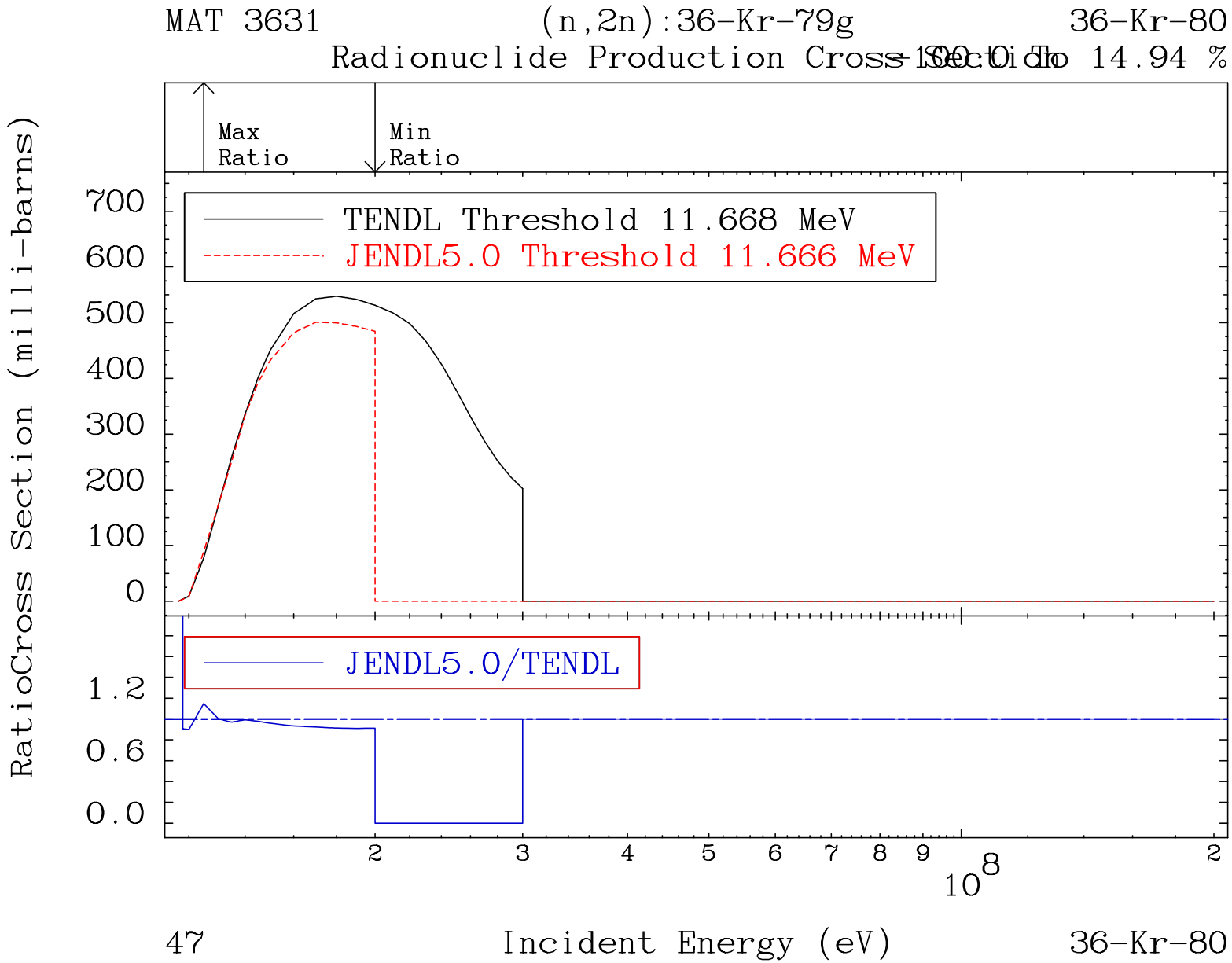

MAT 3631 Total kinematic kerma (high limit) 36-Kr-80
Cross Section -96.36 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
42
36-Kr-80

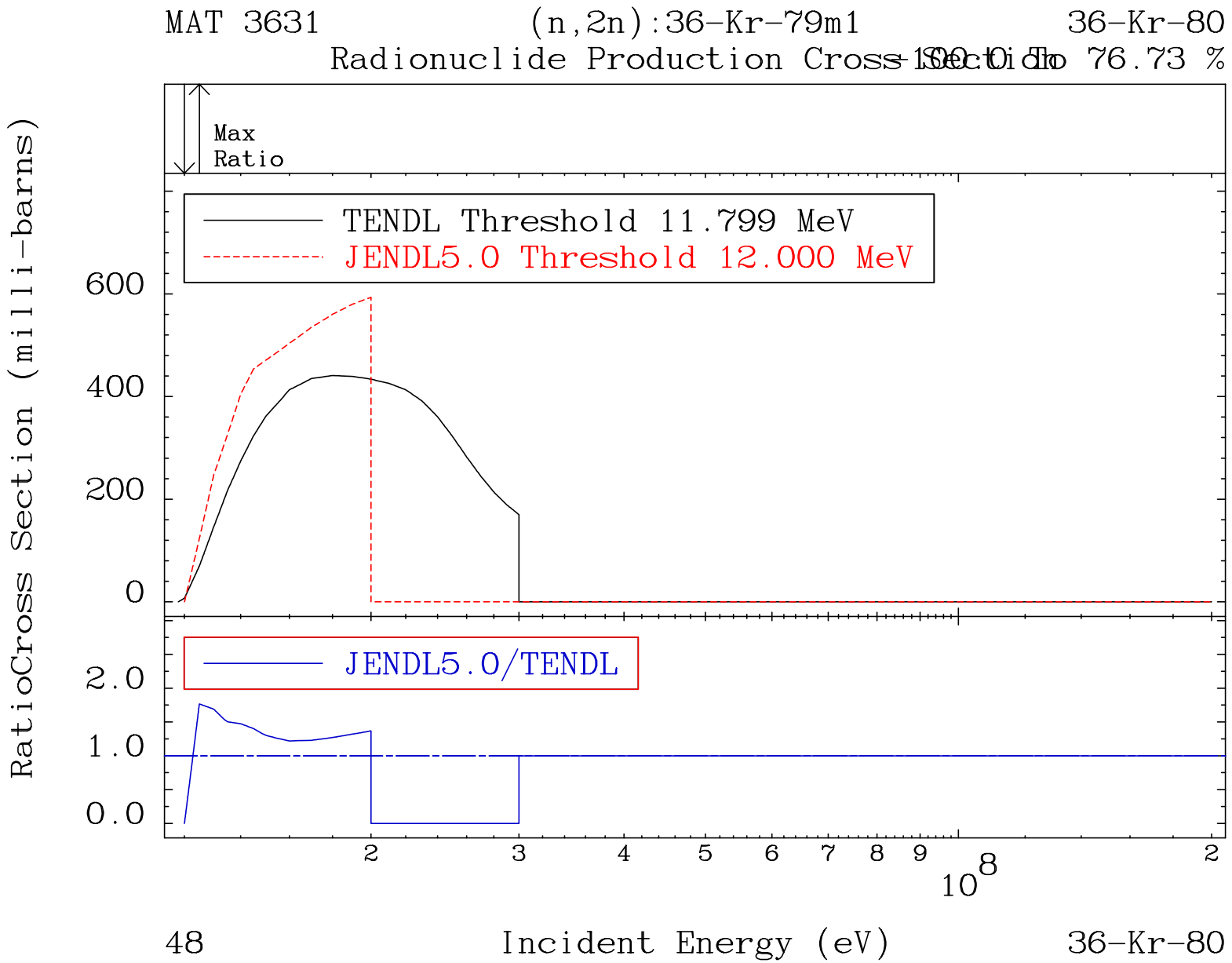

MAT 3631
Dpa total (eV-barns)
36-Kr-80
Cross Section
-96.31 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
43
36-Kr-80

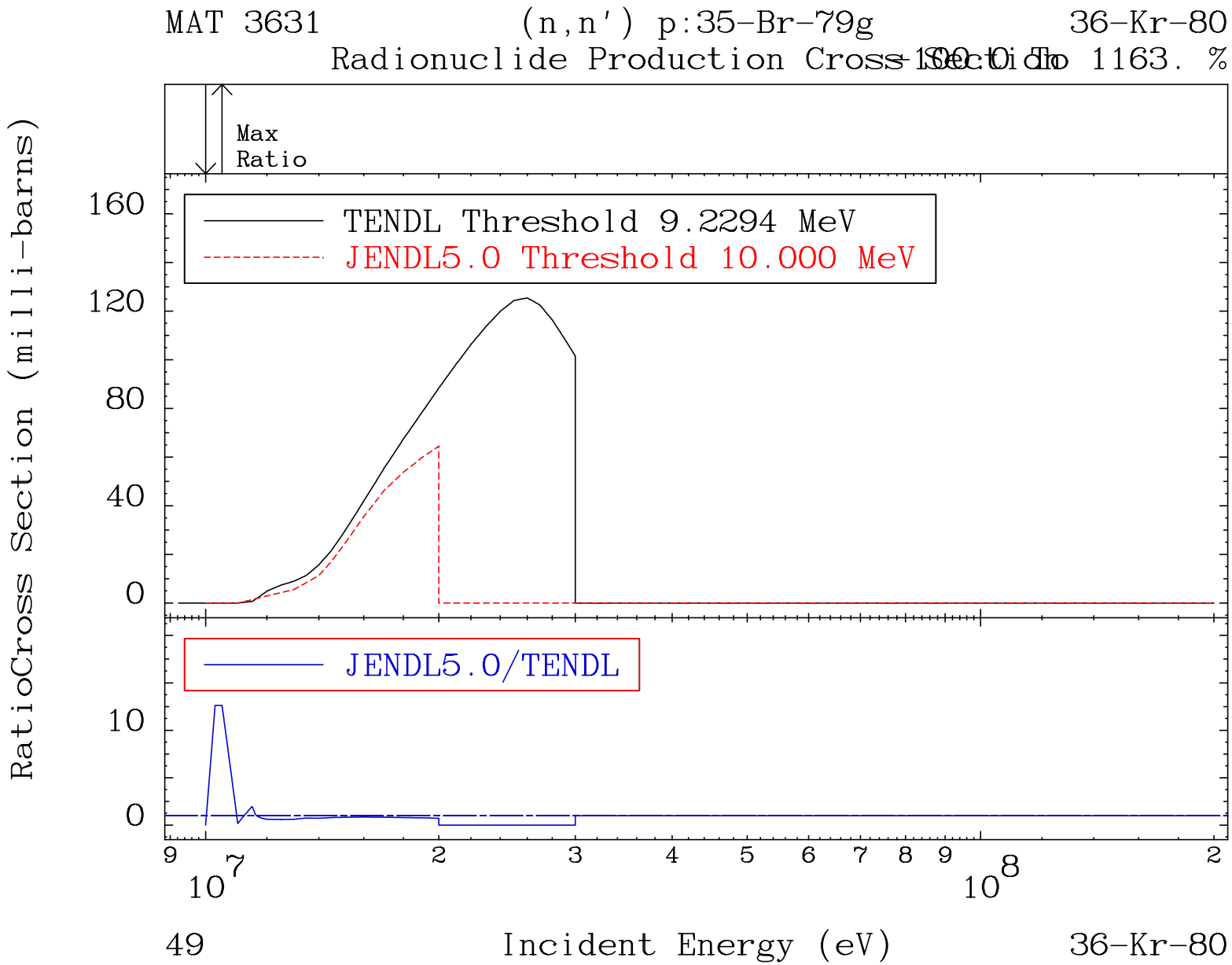

MAT 3631
Dpa elastic (mt2)
Cross Section
36-Kr-80
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 506.19 eV
JENDL5.0 Threshold 501.66 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
44
36-Kr-80

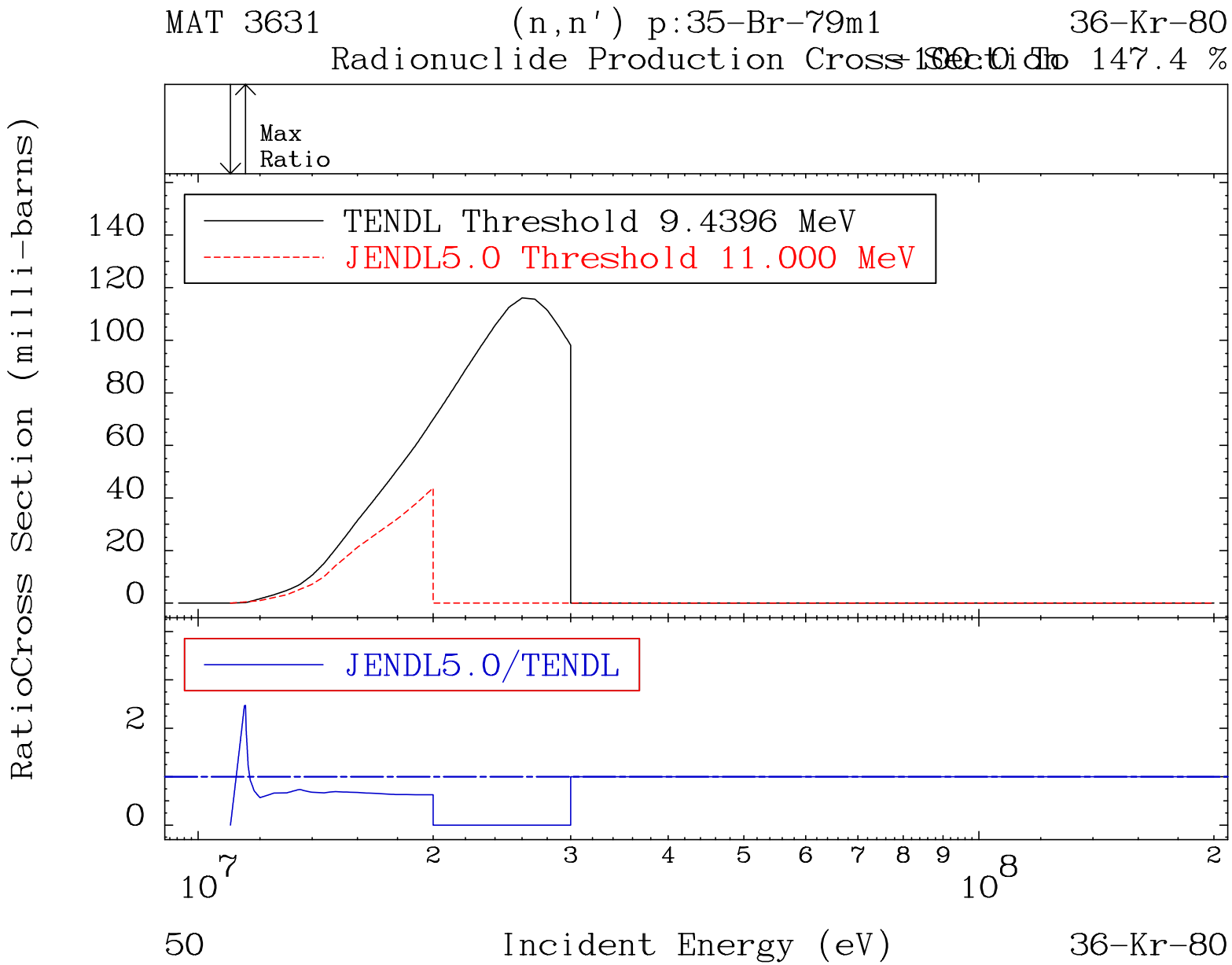

MAT 3631
Dpa inelastic (mt51-91)
36-Kr-80
Cross Section -100.0 To 139.0 %
Max Ratio
Min Ratio
TENDL Threshold 624.38 keV
JENDL5.0 Threshold 624.38 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
45
36-Kr-80

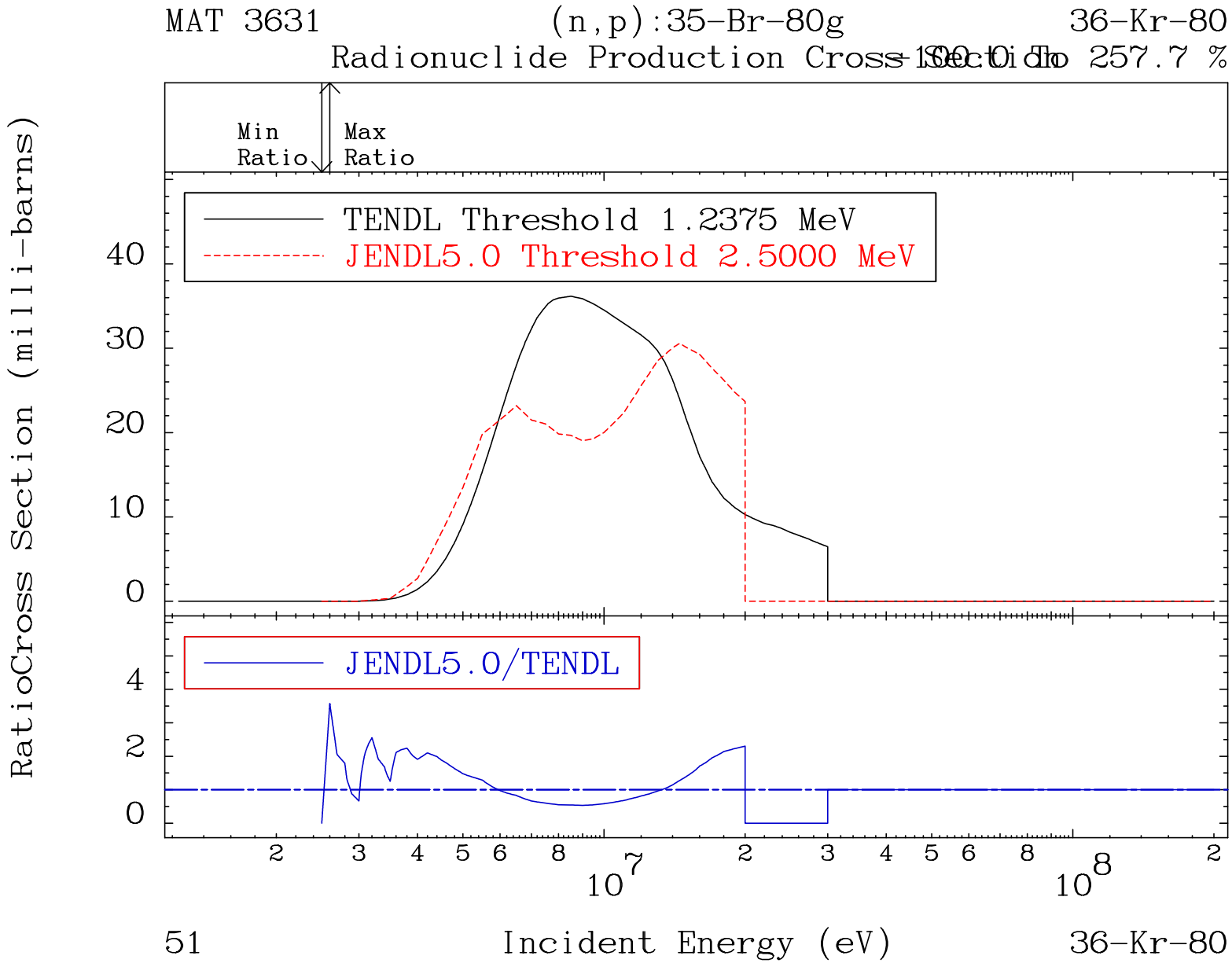

MAT 3631 Dpa disappearance (mt102 -120) 36-Kr-80
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
46
36-Kr-80

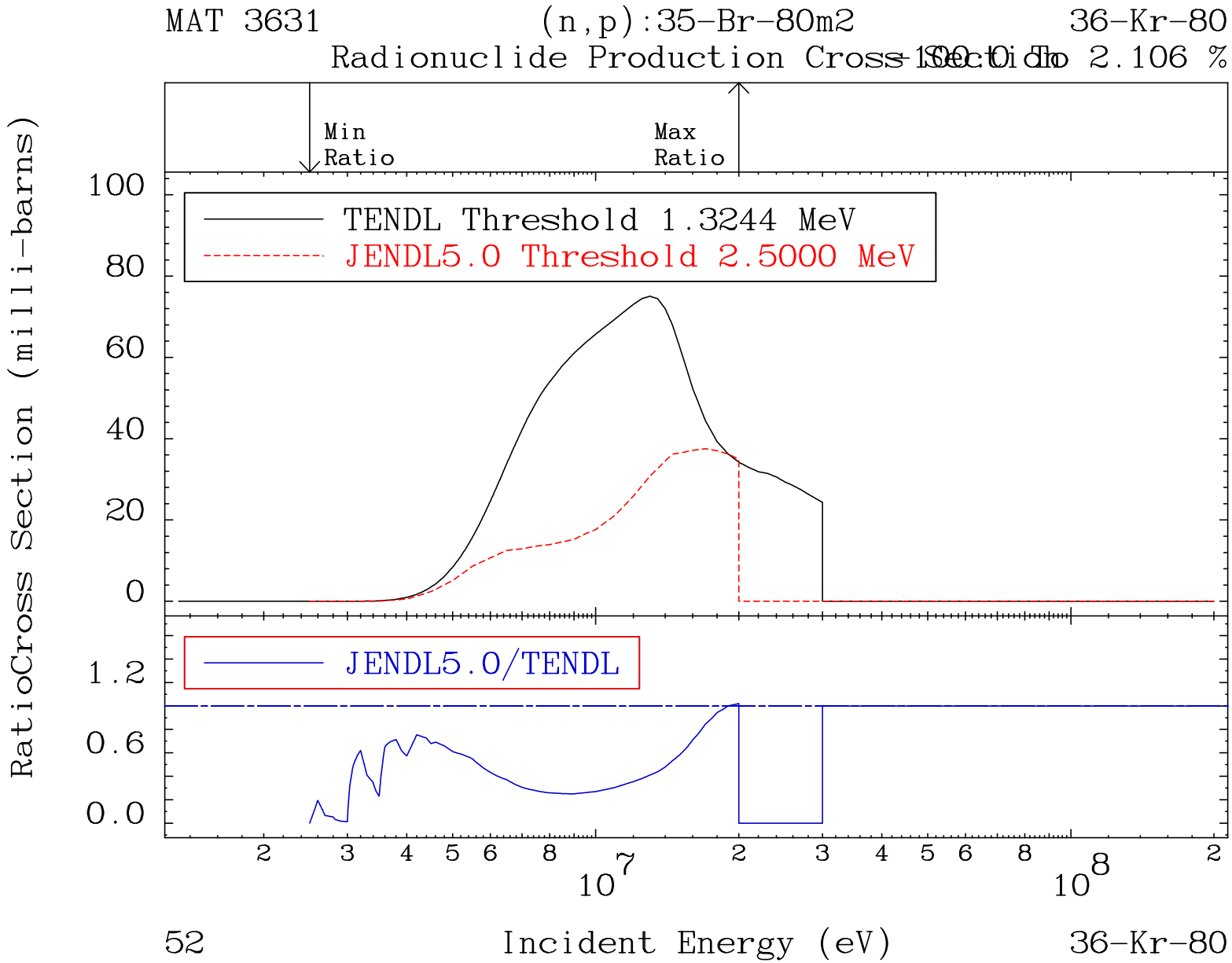

MAT 3631
(n,2n):36-Kr-79g
36-Kr-80
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 11.668 MeV
JENDL5.0 Threshold 11.666 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
700
600
500
400
300
200
100
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
2
10^8
47
Incident Energy (eV)
36-Kr-80

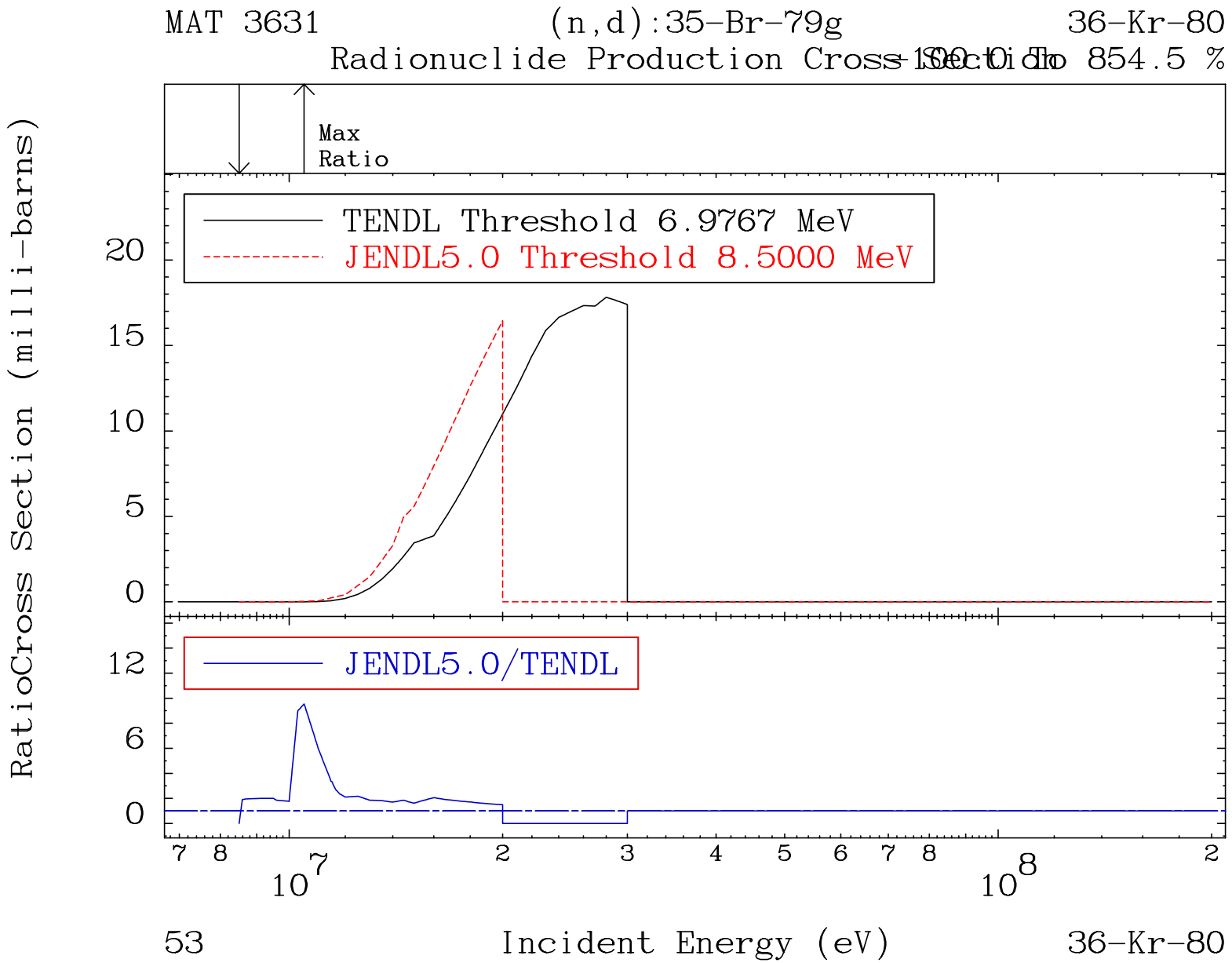

MAT 3631
(n,2n):36-Kr-79m1
36-Kr-80
Radionuclide Production Cross Section
Isotopic 76.73 %
Max
Ratio
TENDL Threshold 11.799 MeV
JENDL5.0 Threshold 12.000 MeV
600
400
200
0
JENDL5.0/TENDL
2.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
RatioCross Section (milli-barns)
48
Incident Energy (eV)
36-Kr-80

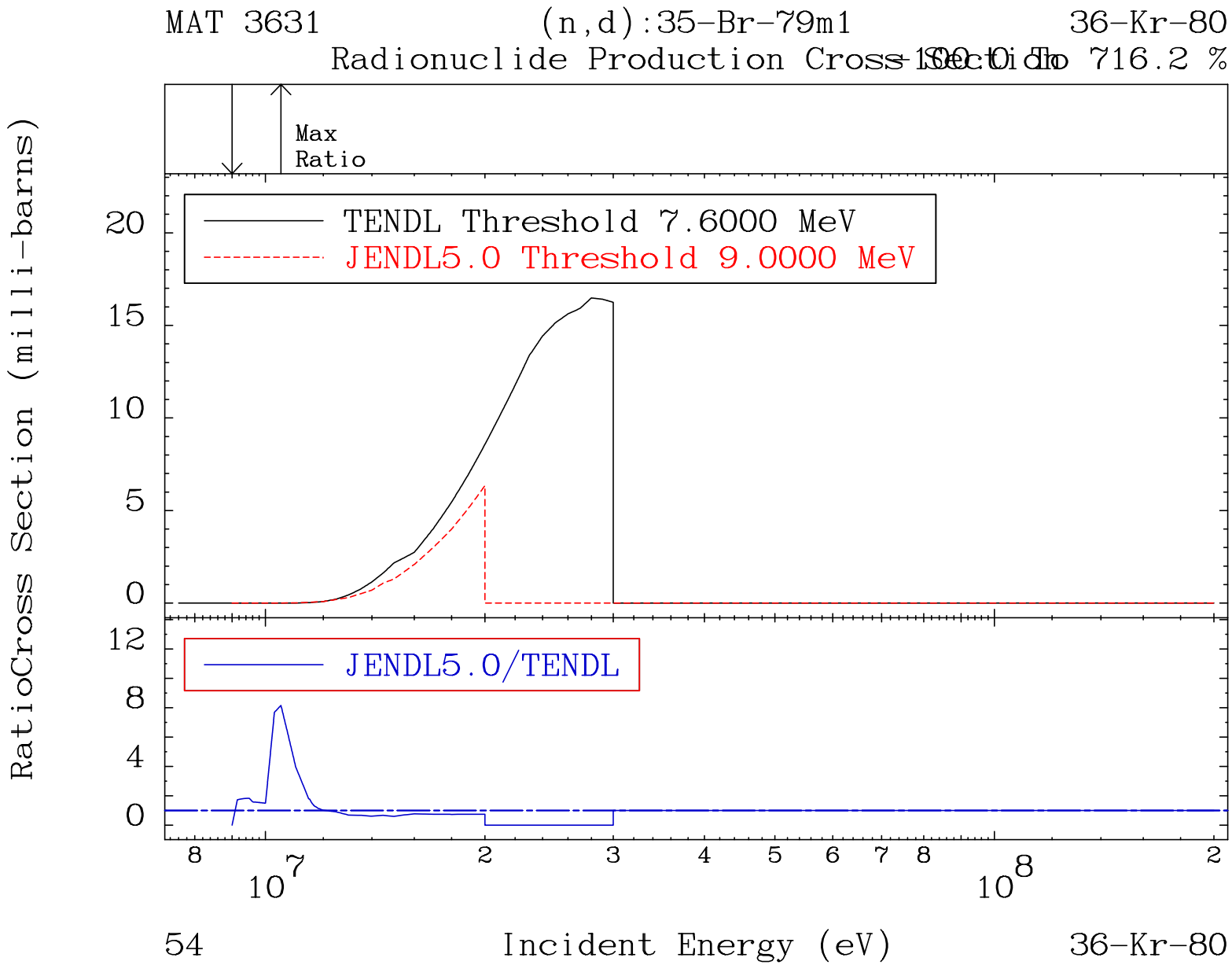

MAT 3631
(n,n') p:35-Br-79g
36-Kr-80
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 9.2294 MeV
JENDL5.0 Threshold 10.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10
0
9
2
3
4
5
6
7
8
9
2
10^7
10^8
49
Incident Energy (eV)
36-Kr-80

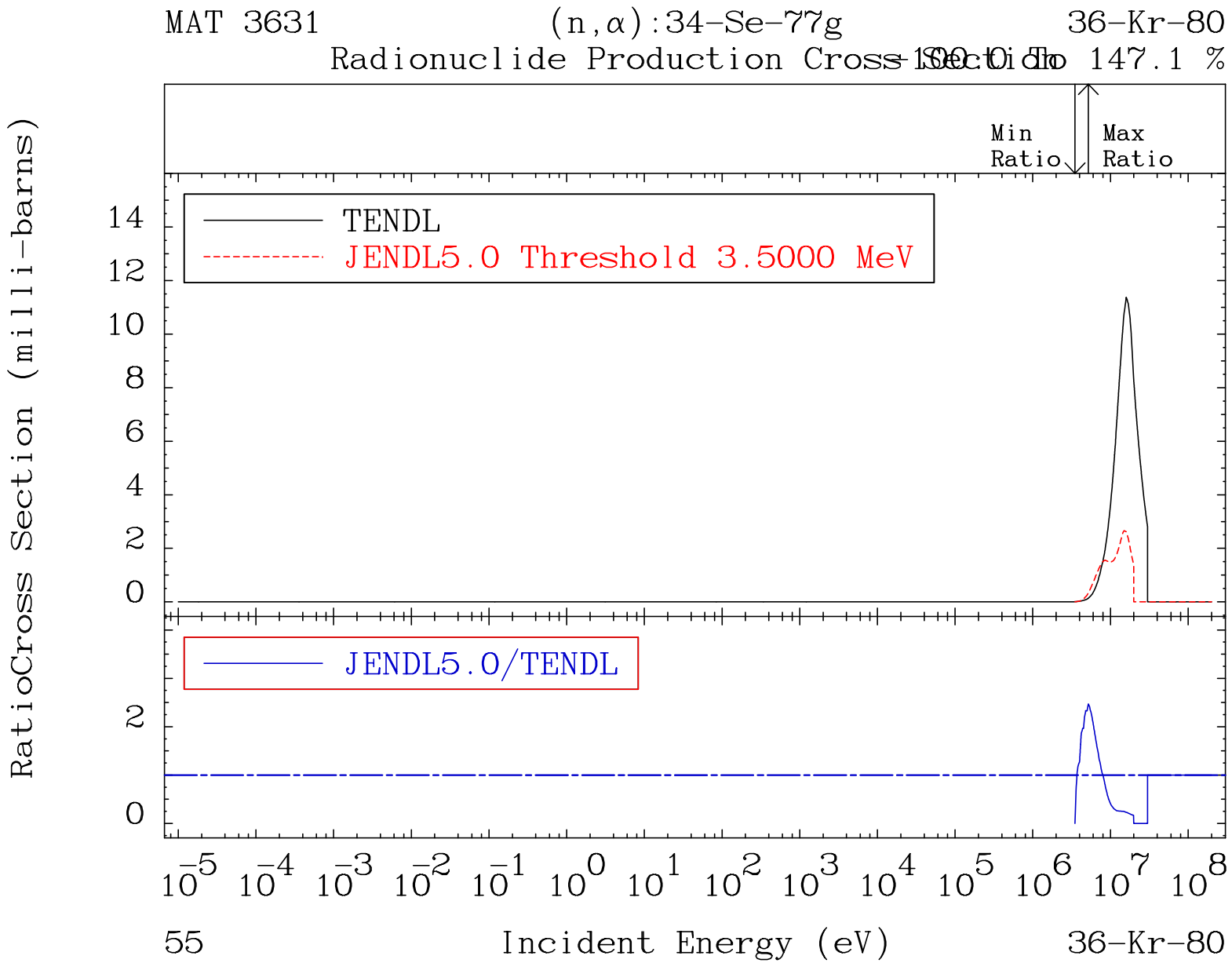

MAT 3631
(n,n') p:35-Br-79m1
36-Kr-80
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 9.4396 MeV
JENDL5.0 Threshold 11.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
2
0
10^7
2
3
4
5
6
7
8
9
10^8
2
50
Incident Energy (eV)
36-Kr-80

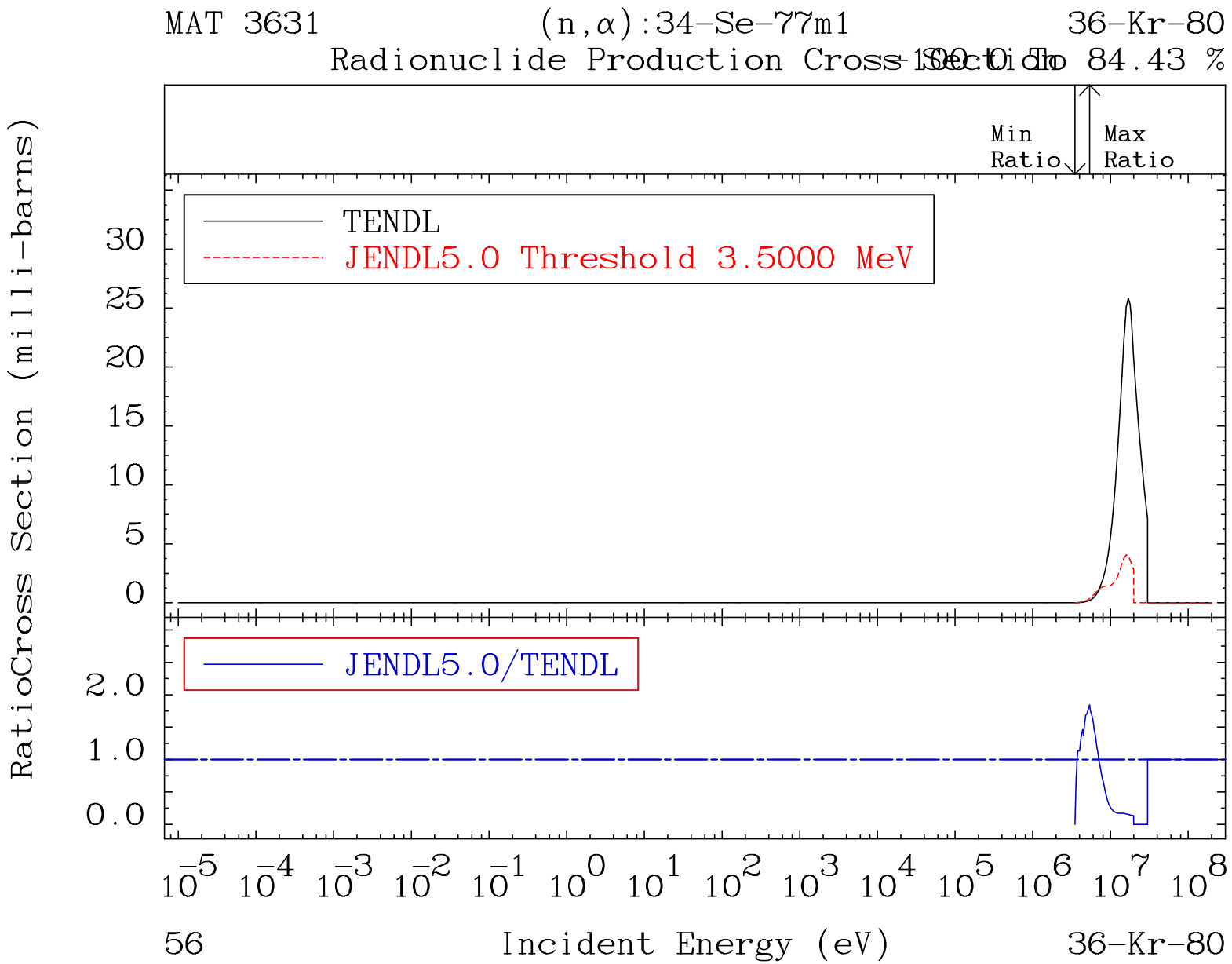

MAT 3631
(n,p):35-Br-80g
36-Kr-80
Radionuclide Production Cross Section To 257.7 %
Min Ratio
Max Ratio
TENDL Threshold 1.2375 MeV
JENDL5.0 Threshold 2.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
4
2
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
51
Incident Energy (eV)
36-Kr-80

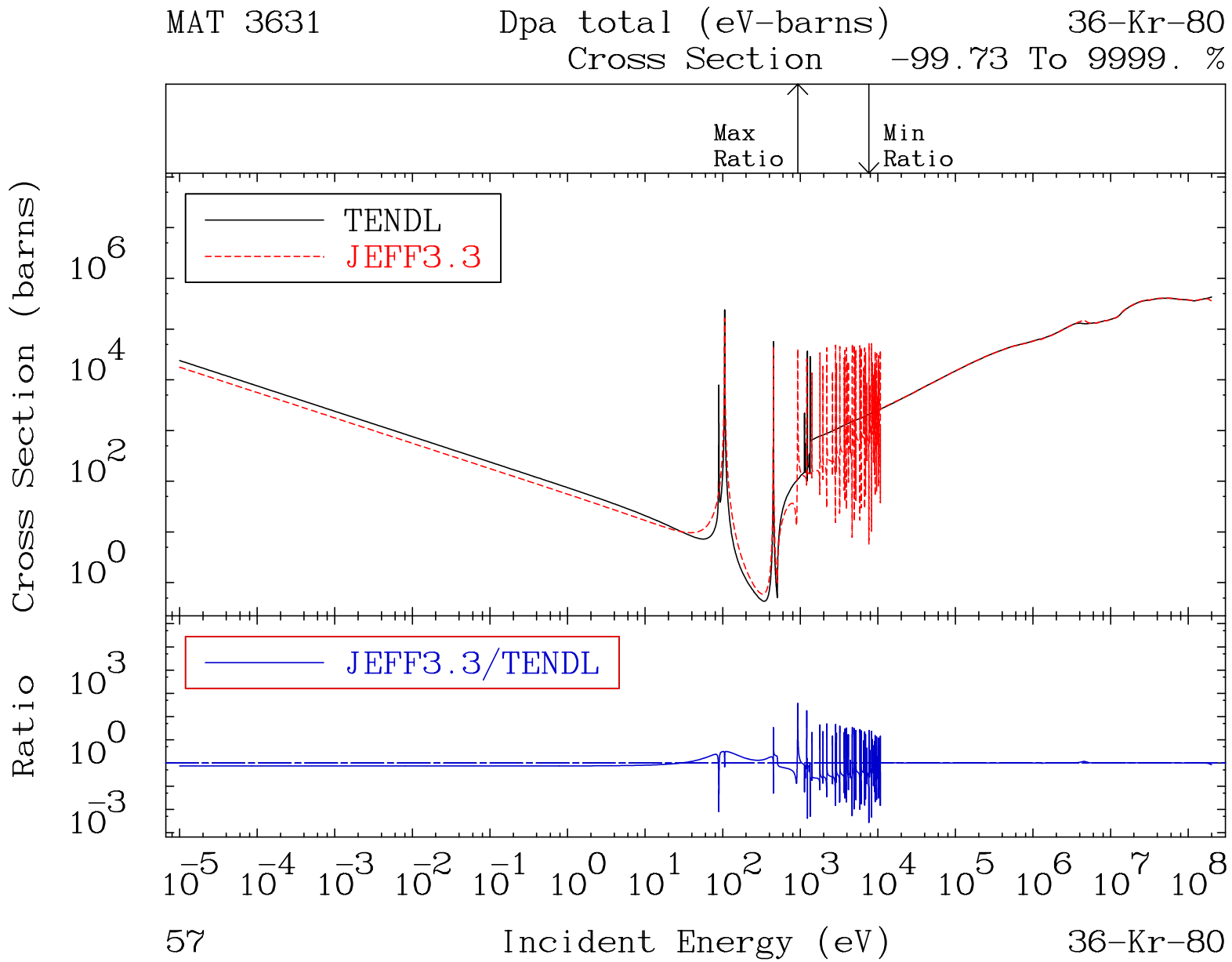

MAT 3631
(n,p):35-Br-80m2
36-Kr-80
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 1.3244 MeV
JENDL5.0 Threshold 2.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
52
36-Kr-80

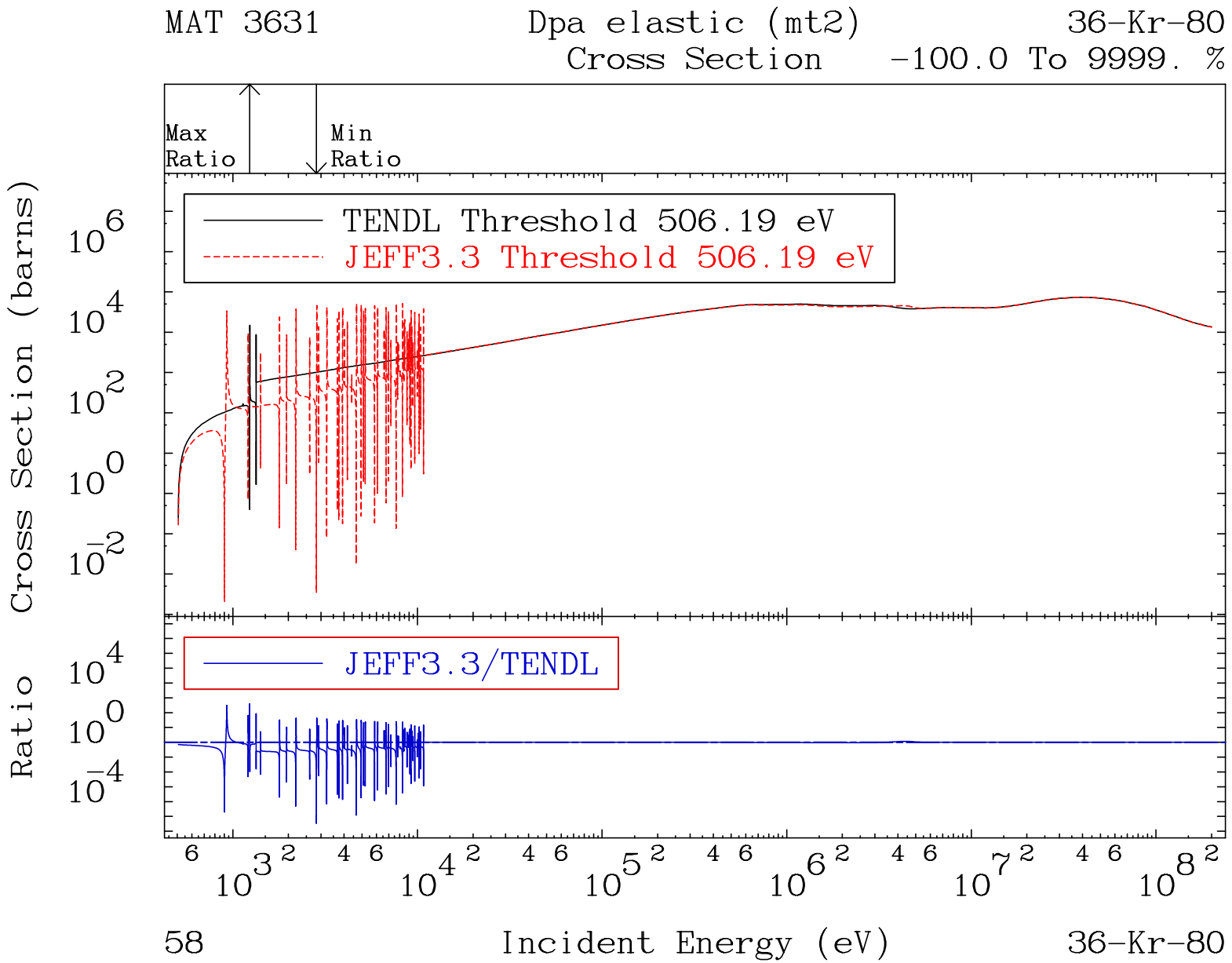

MAT 3631
(n,d):35-Br-79g
36-Kr-80
Radionuclide Production Cross Section To 854.5 %
Max
Ratio
TENDL Threshold 6.9767 MeV
JENDL5.0 Threshold 8.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
12
6
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
53
Incident Energy (eV)
36-Kr-80

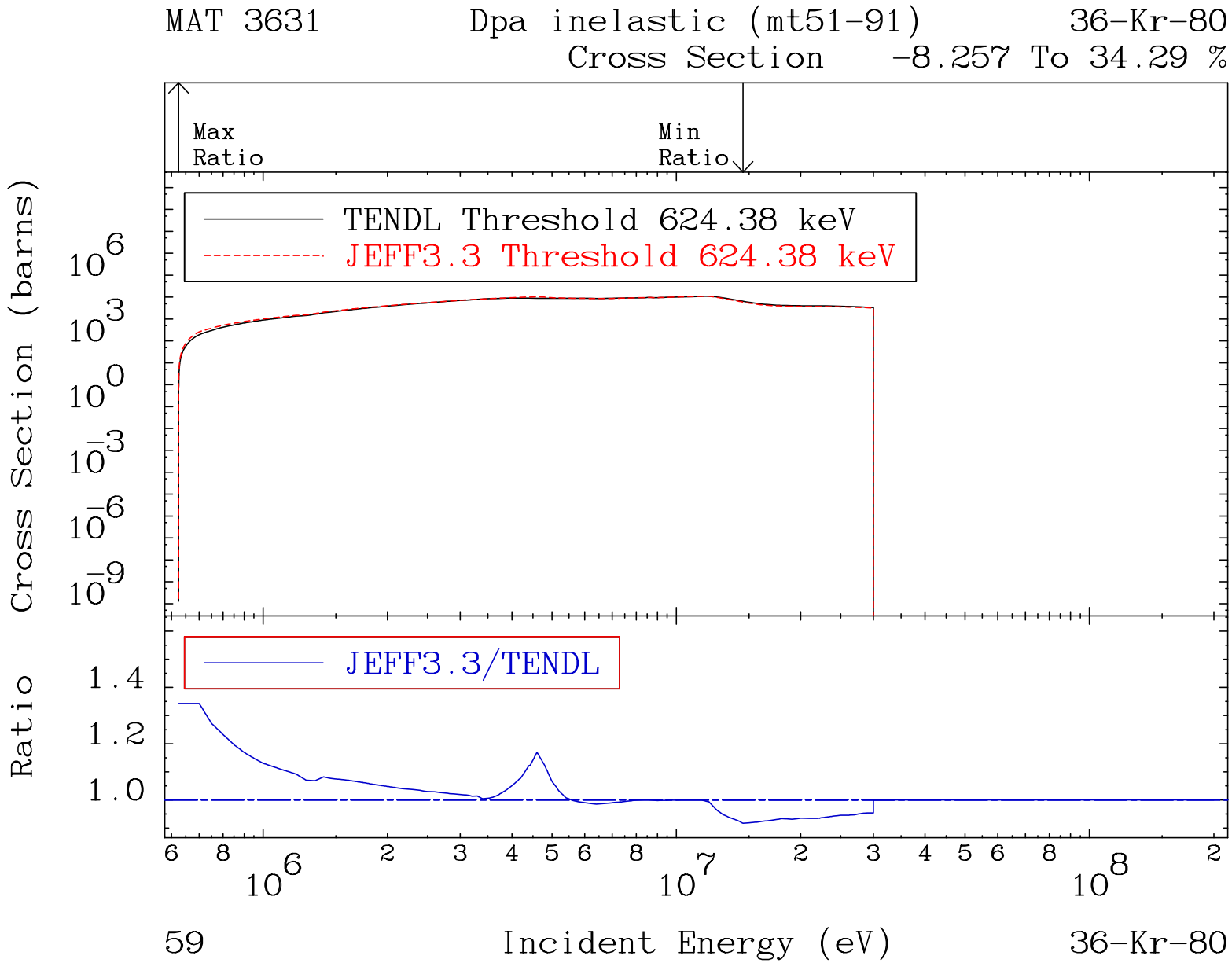

MAT 3631
(n,d):35-Br-79m1
36-Kr-80
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 7.6000 MeV
JENDL5.0 Threshold 9.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
54
36-Kr-80

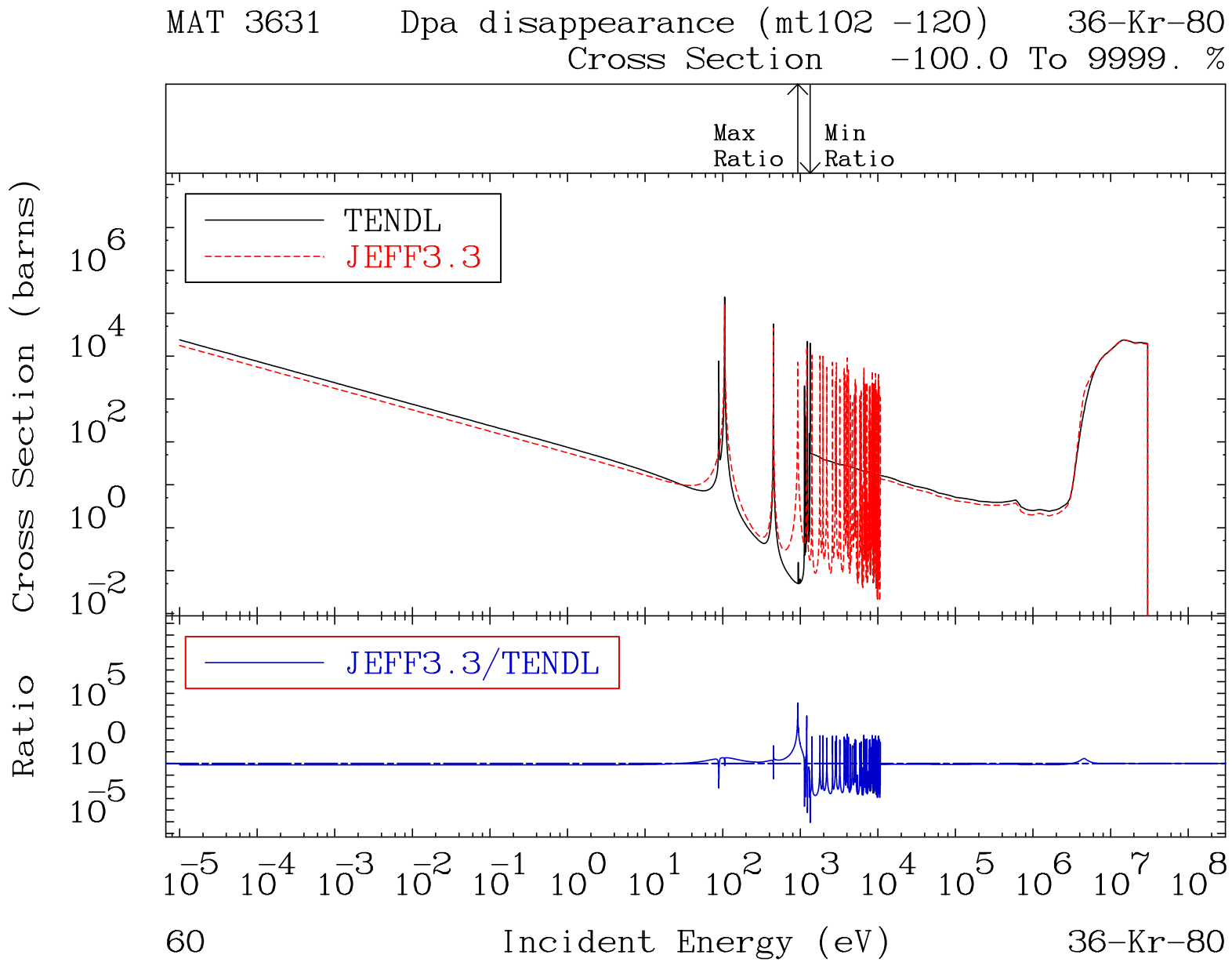

MAT 3631
(n,α):34-Se-77g
36-Kr-80
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 3.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
55
36-Kr-80

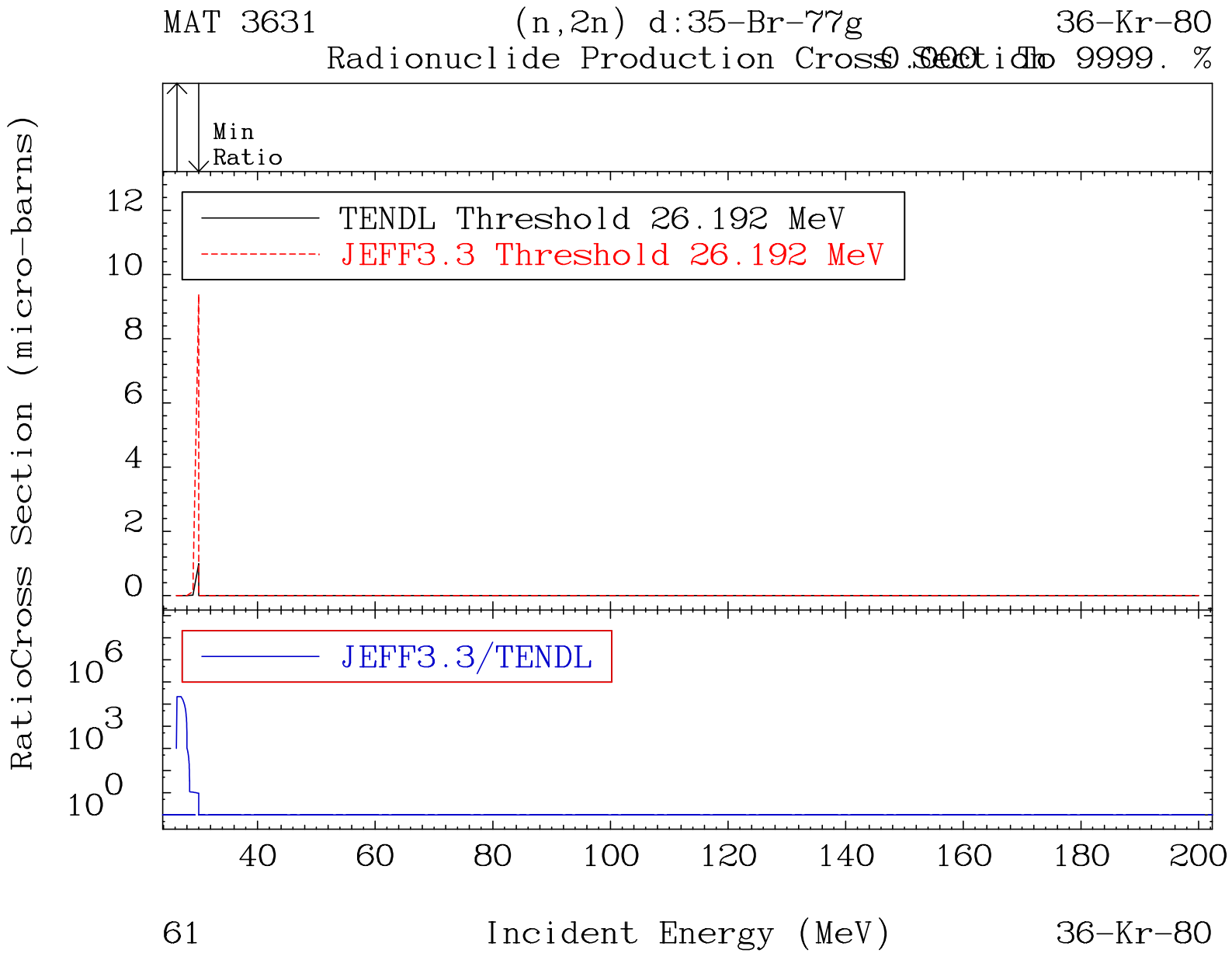

MAT 3631
(n,α):34-Se-77m1
36-Kr-80
Radionuclide Production Cross Section To 84.43 %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 3.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
56
Incident Energy (eV)
36-Kr-80

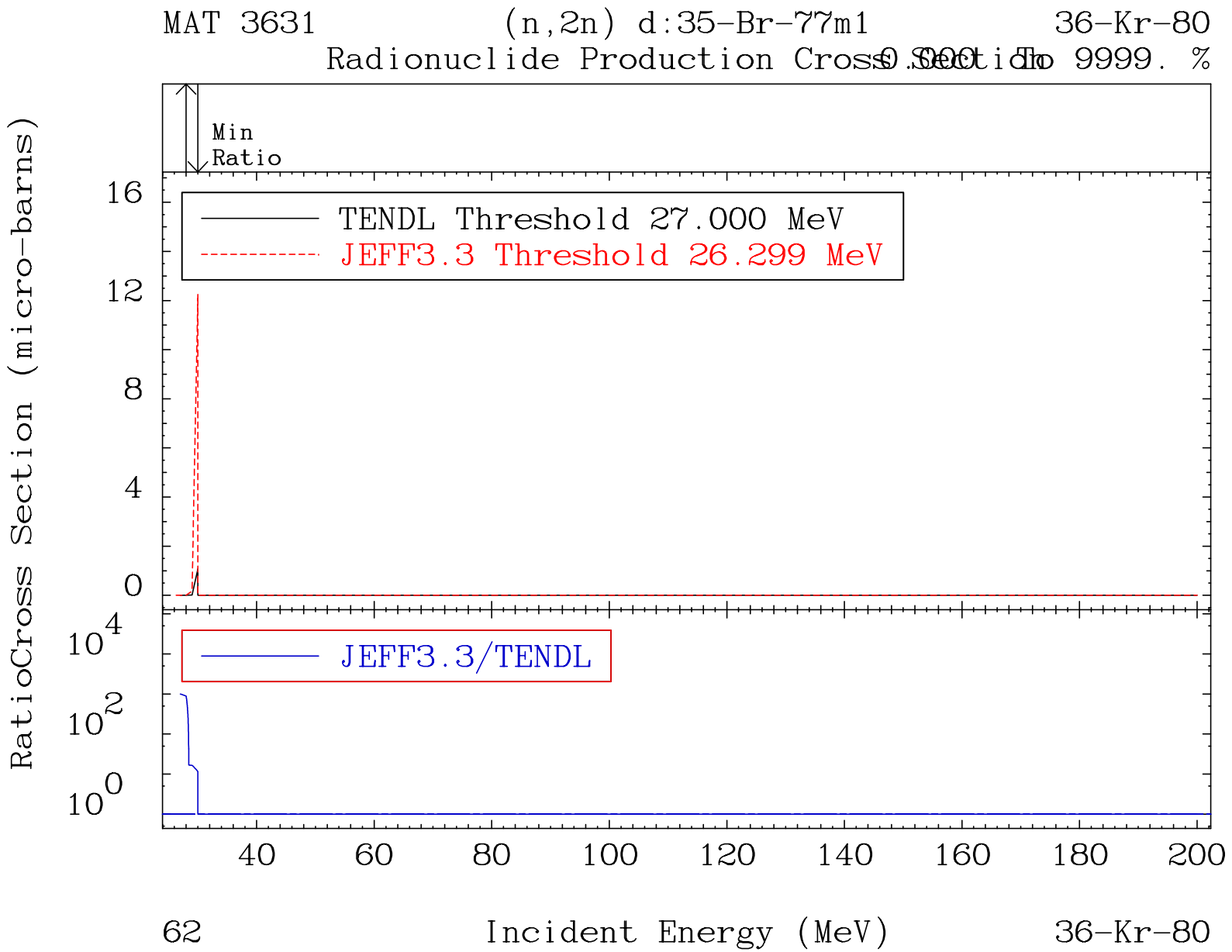

MAT 3631
Dpa total (eV-barns)
36-Kr-80
Cross Section
-99.73 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
36-Kr-80

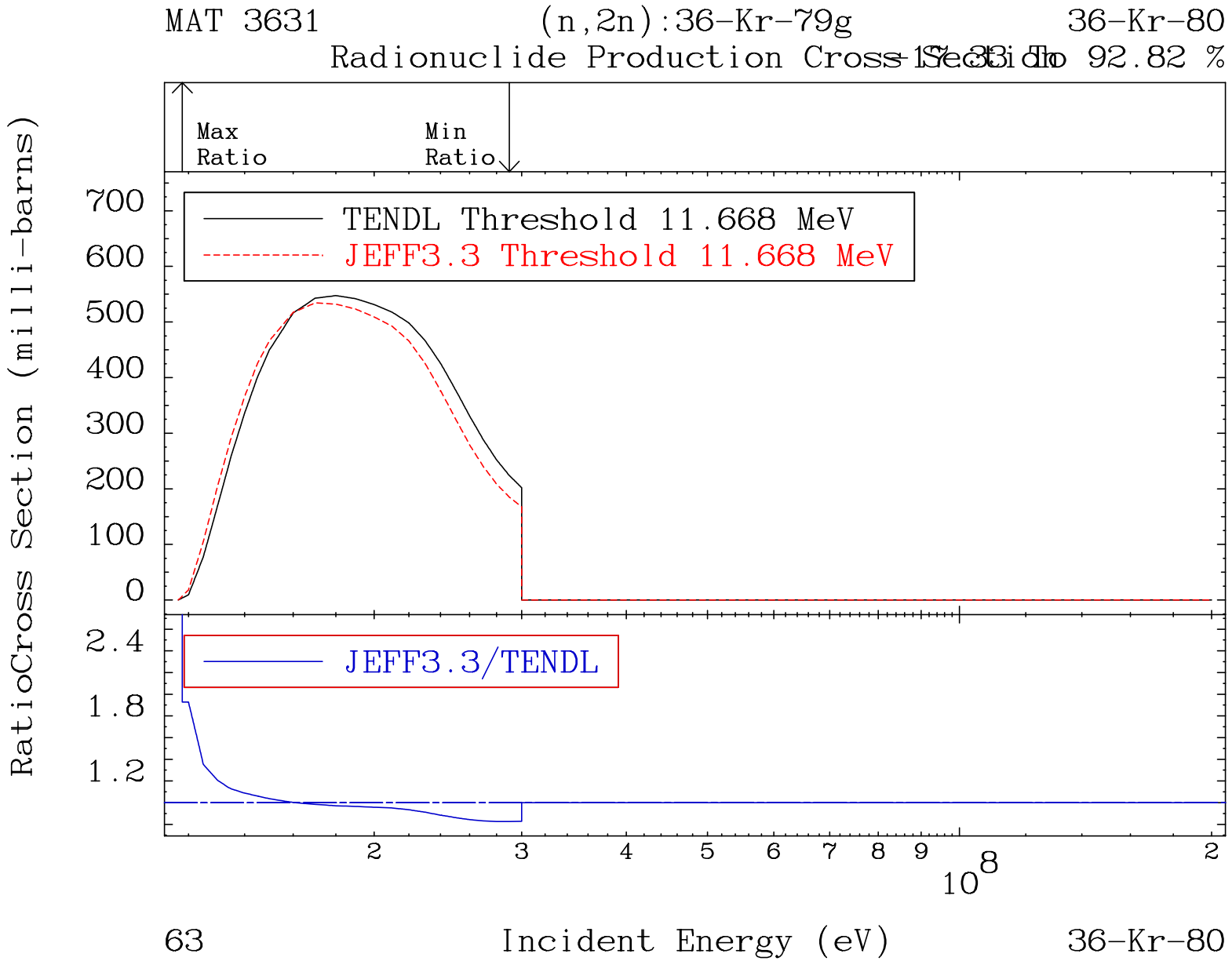

MAT 3631
Dpa elastic (mt2)
Cross Section
36-Kr-80
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 506.19 eV
JEFF3.3 Threshold 506.19 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
36-Kr-80

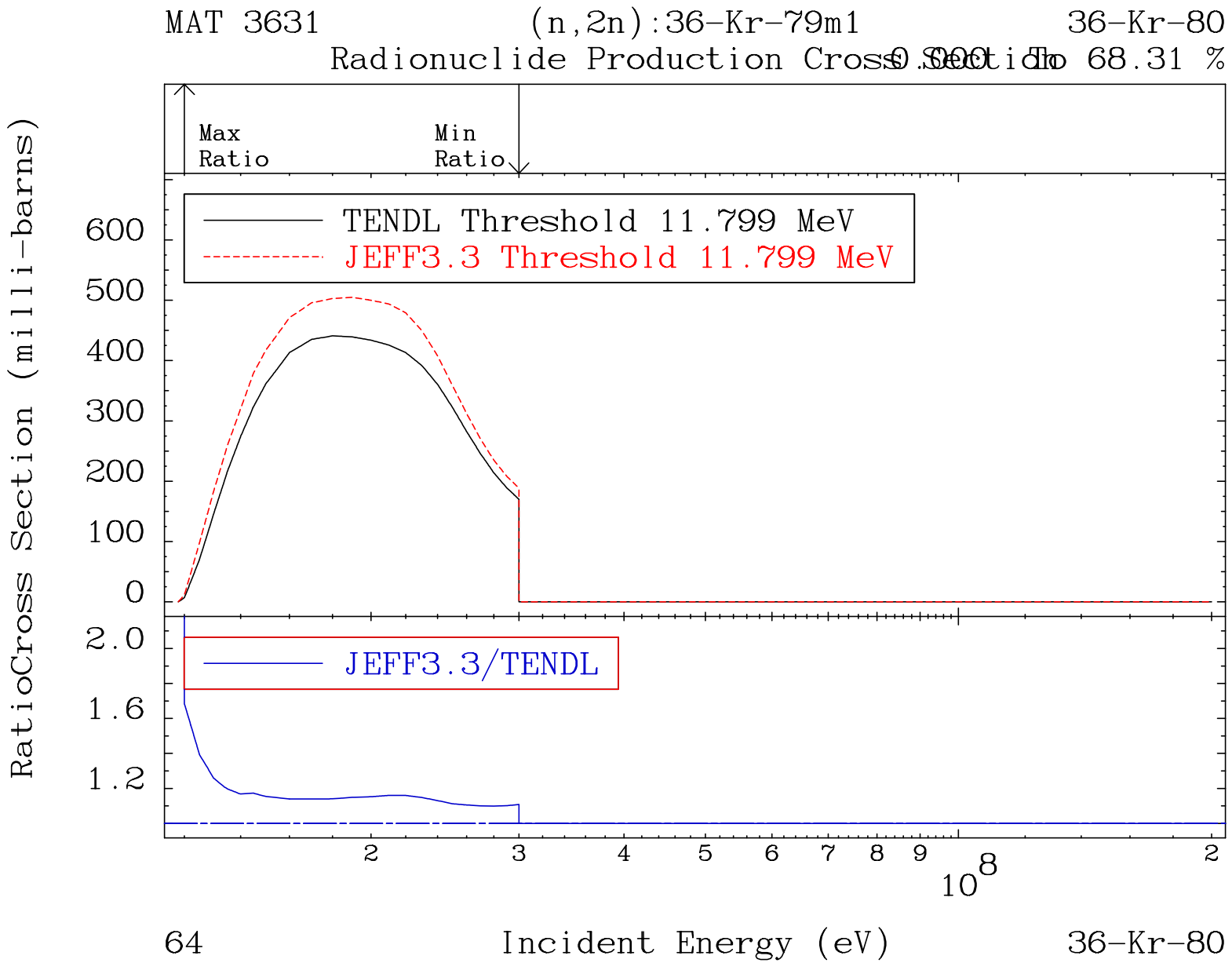

MAT 3631
Dpa inelastic (mt51-91)
36-Kr-80
Cross Section -8.257 To 34.29 %
Max Ratio
Min Ratio
TENDL Threshold 624.38 keV
JEFF3.3 Threshold 624.38 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
59
36-Kr-80

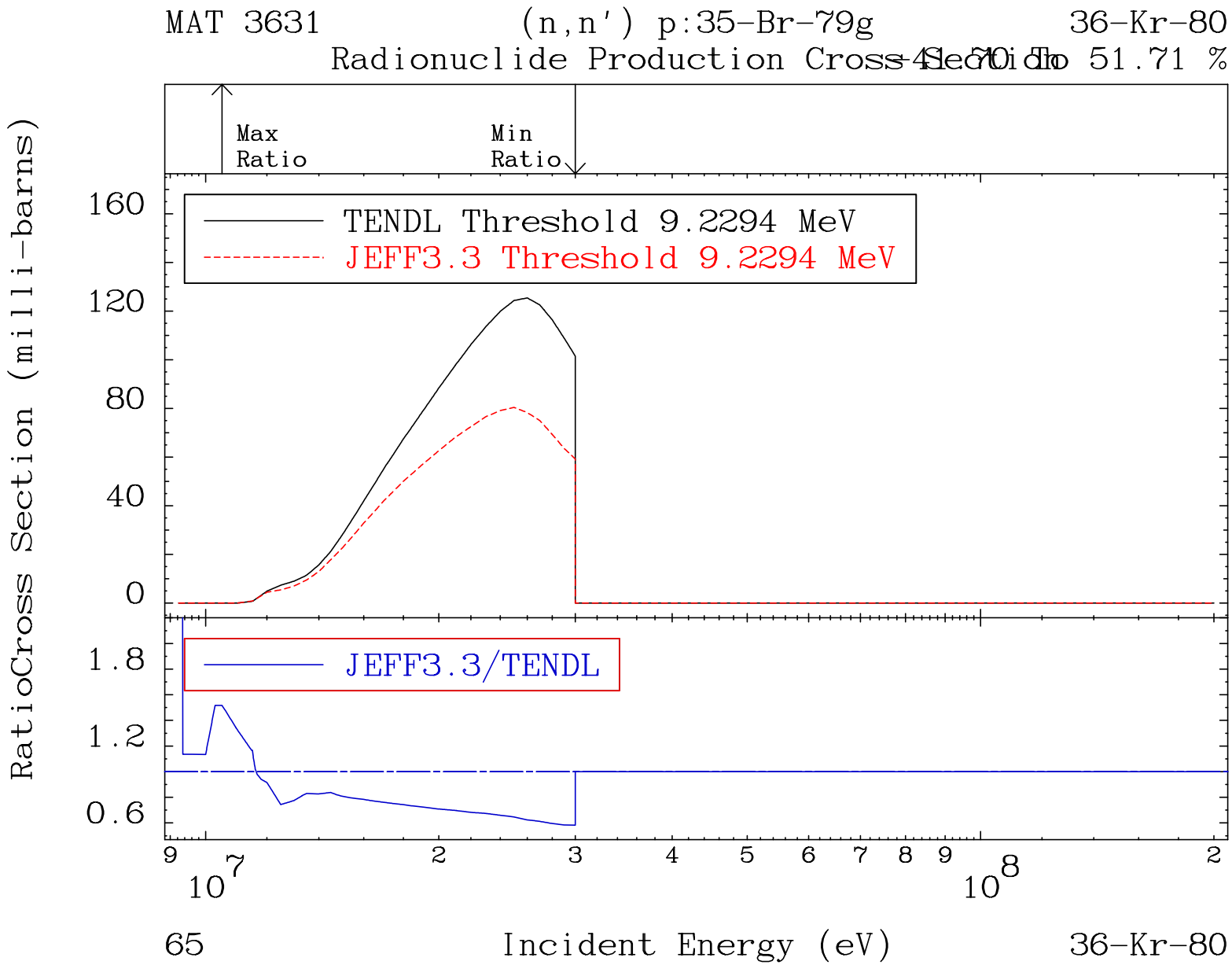

MAT 3631 Dpa disappearance (mt102 -120) 36-Kr-80
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
36-Kr-80

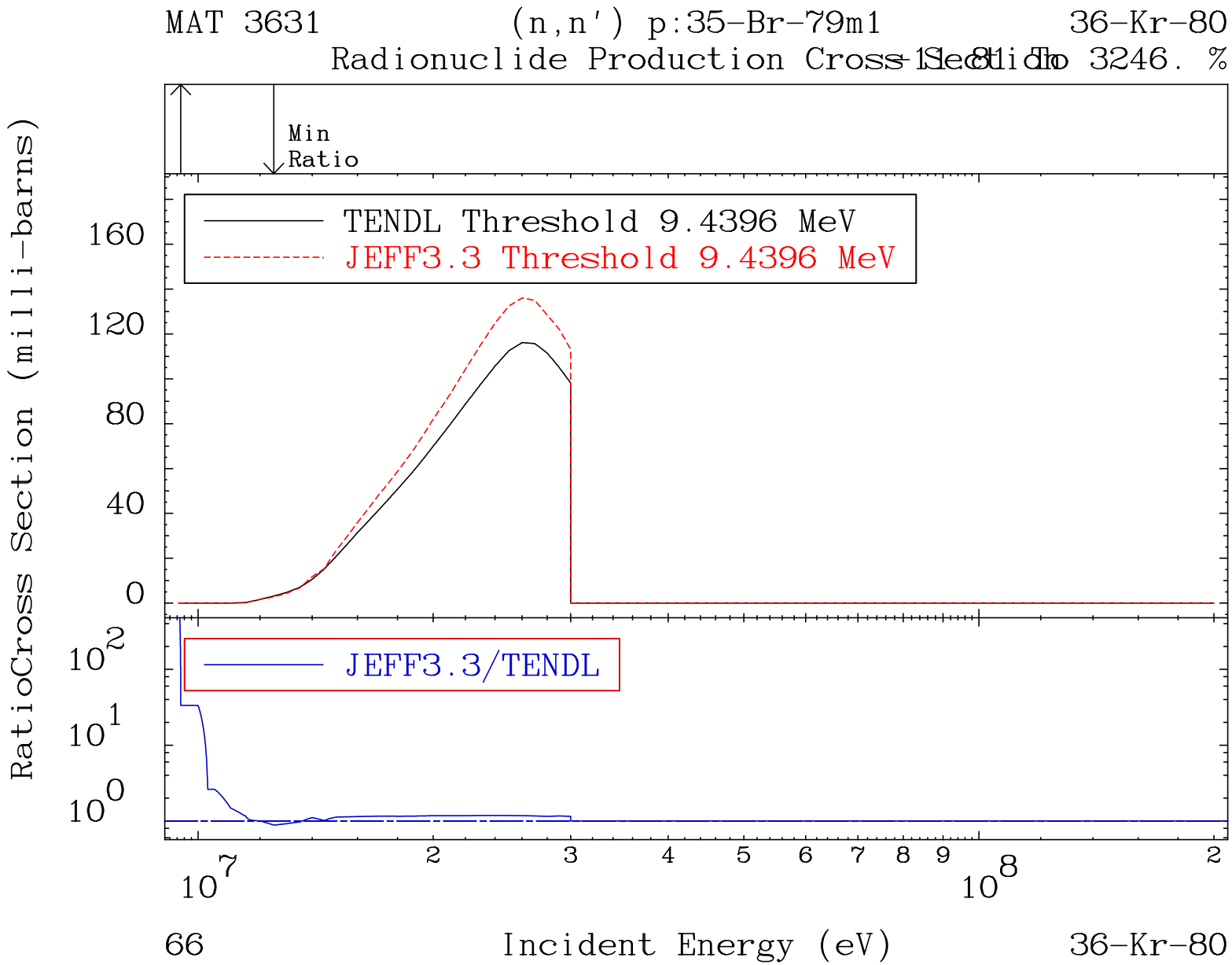

MAT 3631
(n,2n) d:35-Br-77g
36-Kr-80
Radionuclide Production Cross Section
0.000 To 9999. %
Min
Ratio
TENDL Threshold 26.192 MeV
JEFF3.3 Threshold 26.192 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
12
10
8
6
4
2
0
10^6
10^3
10^0
40
60
80
100
120
140
160
180
200
61
Incident Energy (MeV)
36-Kr-80

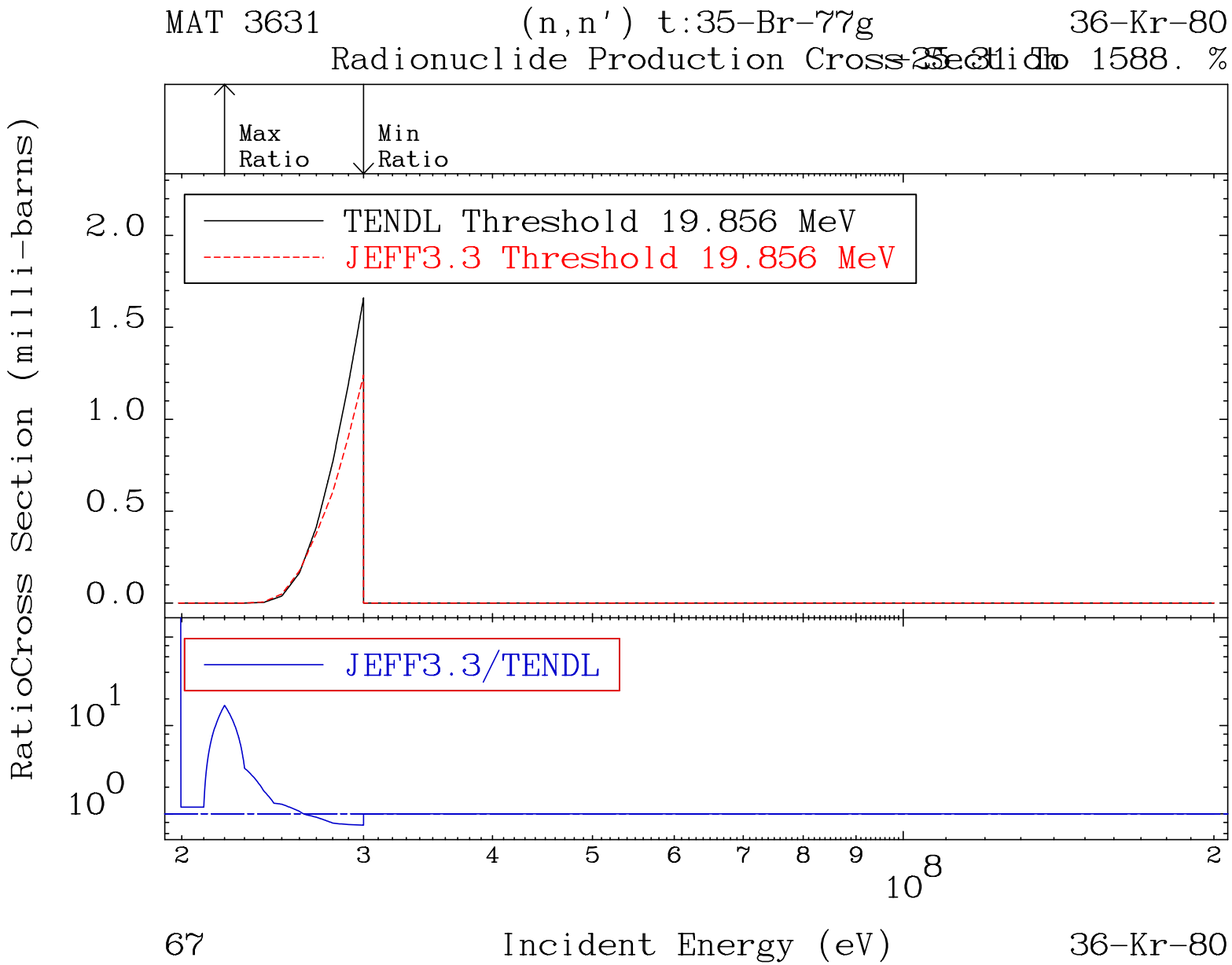

MAT 3631
(n,2n) d:35-Br-77m1
36-Kr-80
Radionuclide Production Cross Section
0.000 To 9999. %
Min
Ratio
TENDL Threshold 27.000 MeV
JEFF3.3 Threshold 26.299 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
16
12
8
4
0
10^4
10^2
10^0
40
60
80
100
120
140
160
180
200
62
Incident Energy (MeV)
36-Kr-80

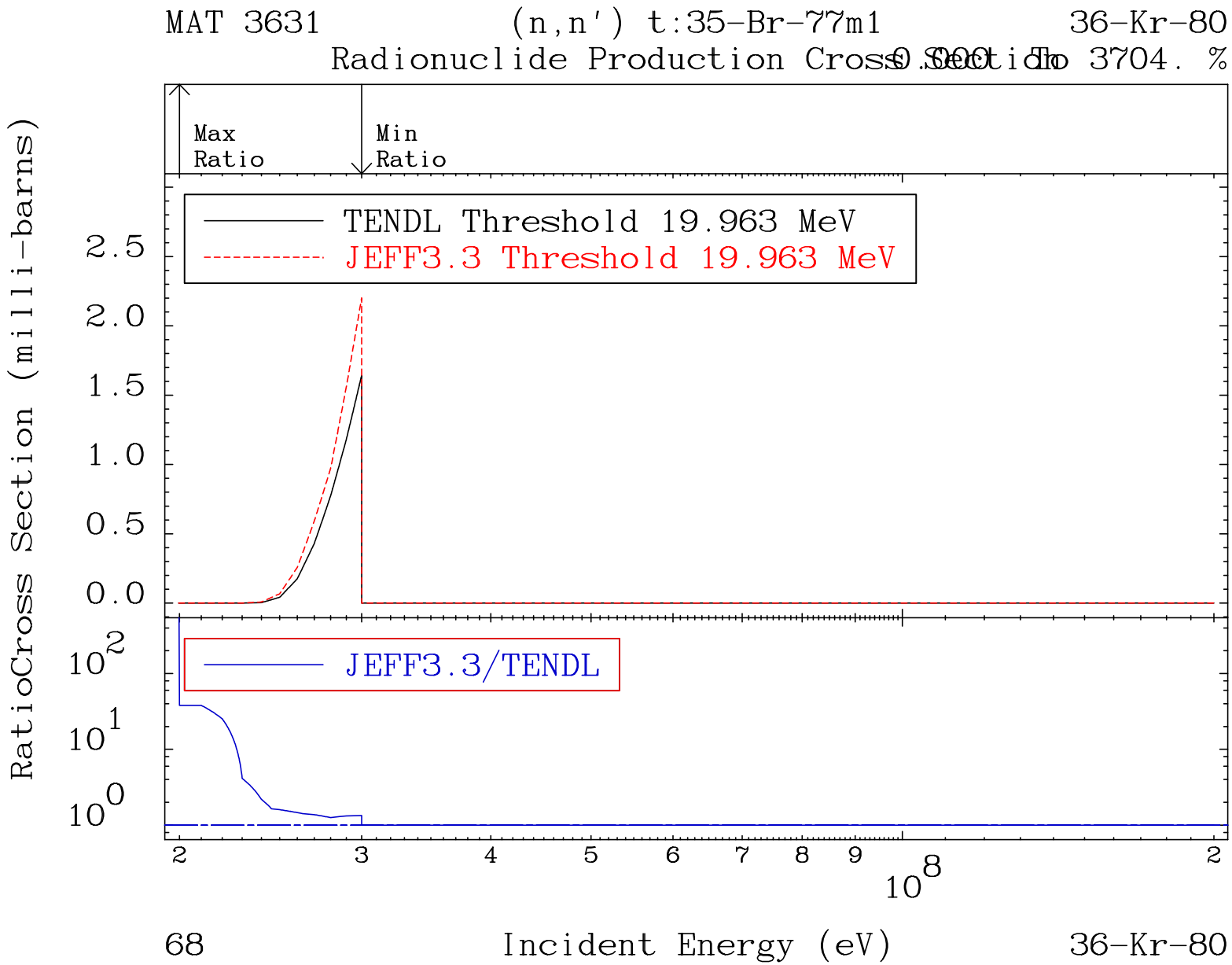

MAT 3631
(n,2n):36-Kr-79g
36-Kr-80
Radionuclide Production Cross Section To 92.82 %
Max Ratio
Min Ratio
TENDL Threshold 11.668 MeV
JEFF3.3 Threshold 11.668 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
700
600
500
400
300
200
100
0
2.4
1.8
1.2
2
3
4
5
6
7
8
9
2
10^8
63
Incident Energy (eV)
36-Kr-80

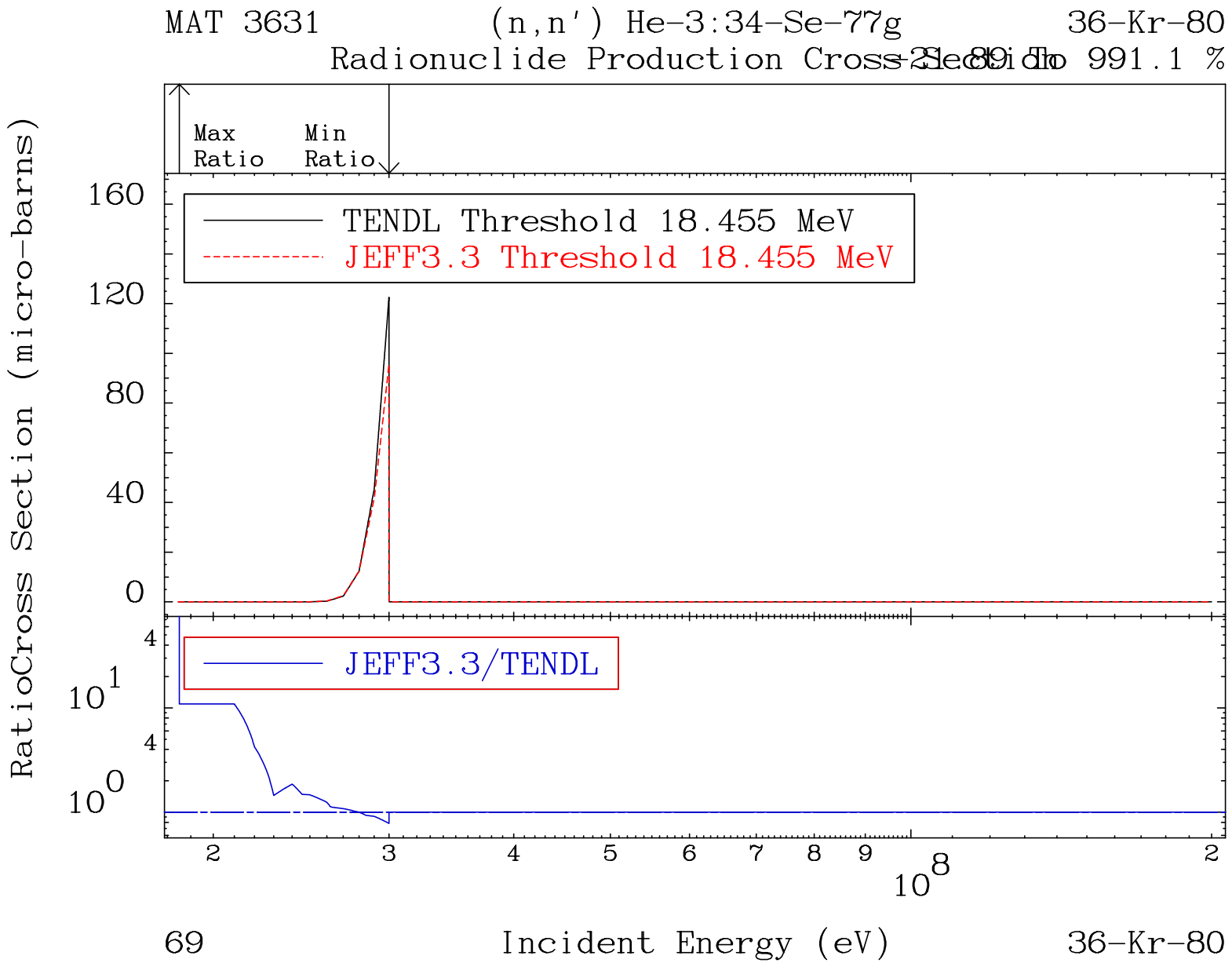

MAT 3631
(n,2n):36-Kr-79m1
36-Kr-80
Radionuclide Production Cross Section To 68.31 %
Max Ratio
Min Ratio
TENDL Threshold 11.799 MeV
JEFF3.3 Threshold 11.799 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
2.0
1.6
1.2
2
3
4
5
6
7
8
9
2
10^8
64
Incident Energy (eV)
36-Kr-80

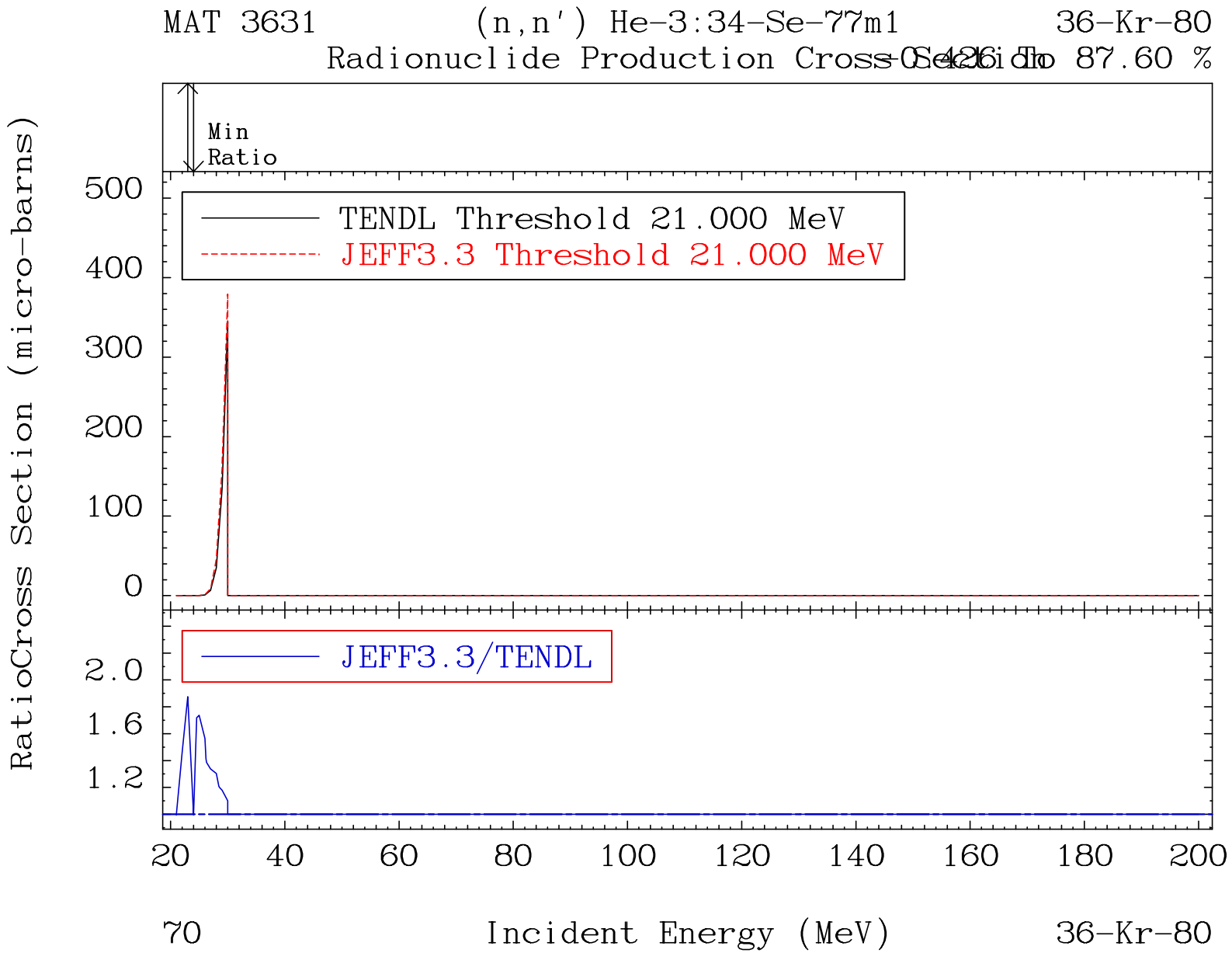

MAT 3631
(n,n') p:35-Br-79g
36-Kr-80
Radionuclide Production Cross-Section
Max Ratio
Min Ratio
TENDL Threshold 9.2294 MeV
JEFF3.3 Threshold 9.2294 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.8
1.2
0.6
9
10^7
2
3
4
5
6
7
8
9
10^8
2
65
Incident Energy (eV)
36-Kr-80

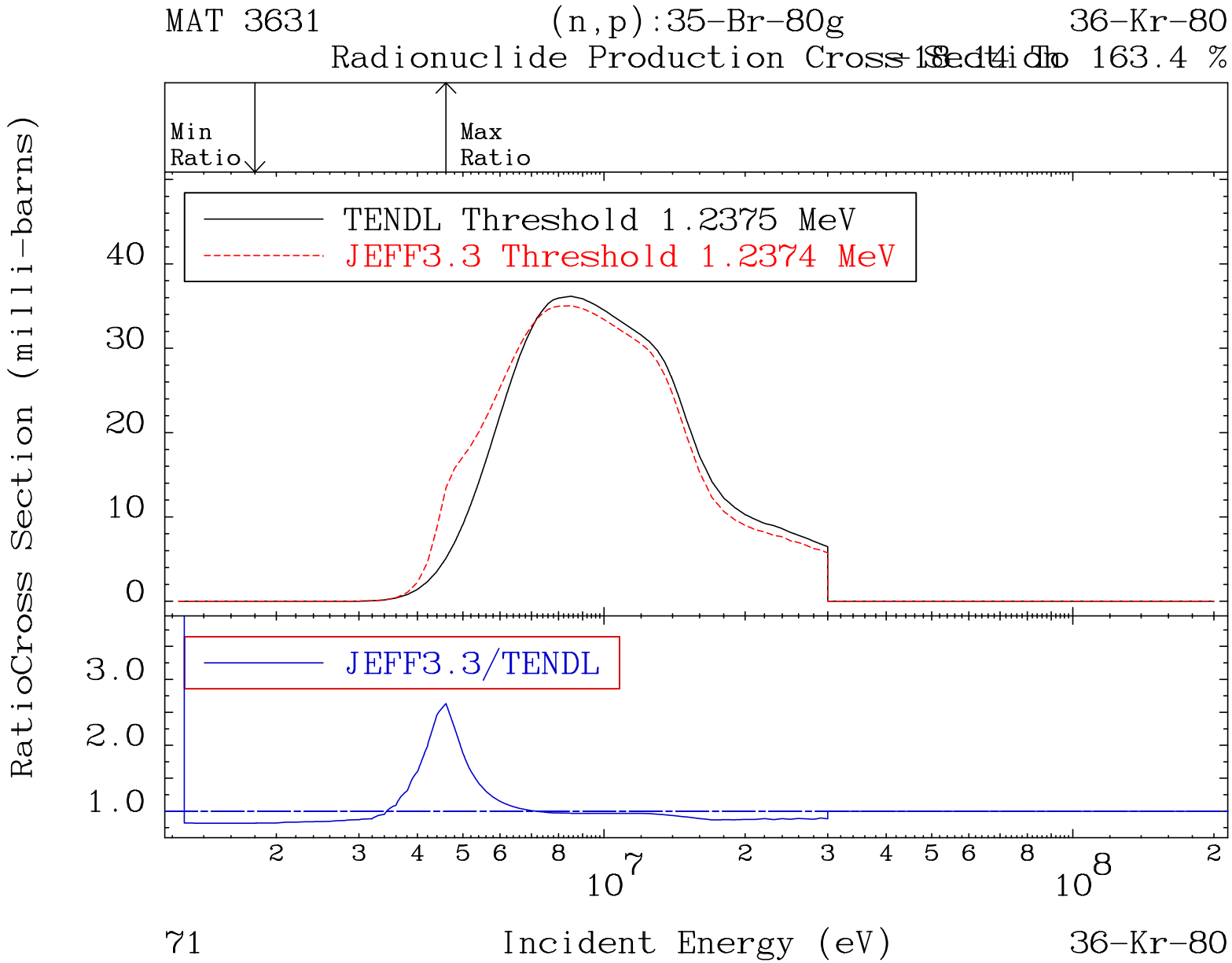

MAT 3631
(n,n') p:35-Br-79m1
36-Kr-80
Radionuclide Production Cross Section To 3246. %
Min
Ratio
TENDL Threshold 9.4396 MeV
JEFF3.3 Threshold 9.4396 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^2
10^1
10^0
10^7
2
3
4
5
6
7
8
9
10^8
2
66
Incident Energy (eV)
36-Kr-80

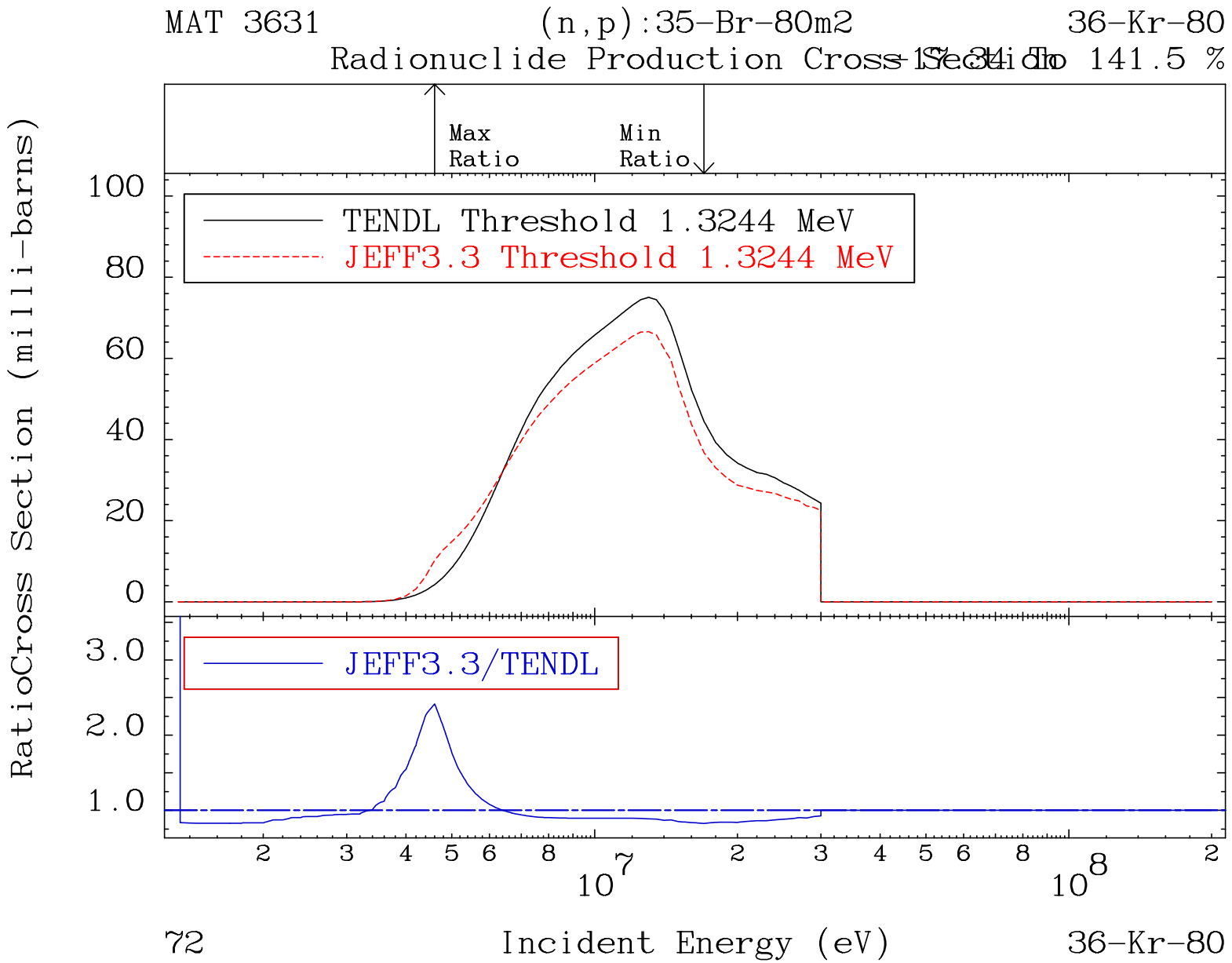

MAT 3631
(n,n') t:35-Br-77g
36-Kr-80
Radionuclide Production Cross Section To 1588. %
Max Ratio
Min Ratio
TENDL Threshold 19.856 MeV
JEFF3.3 Threshold 19.856 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
67
Incident Energy (eV)
36-Kr-80

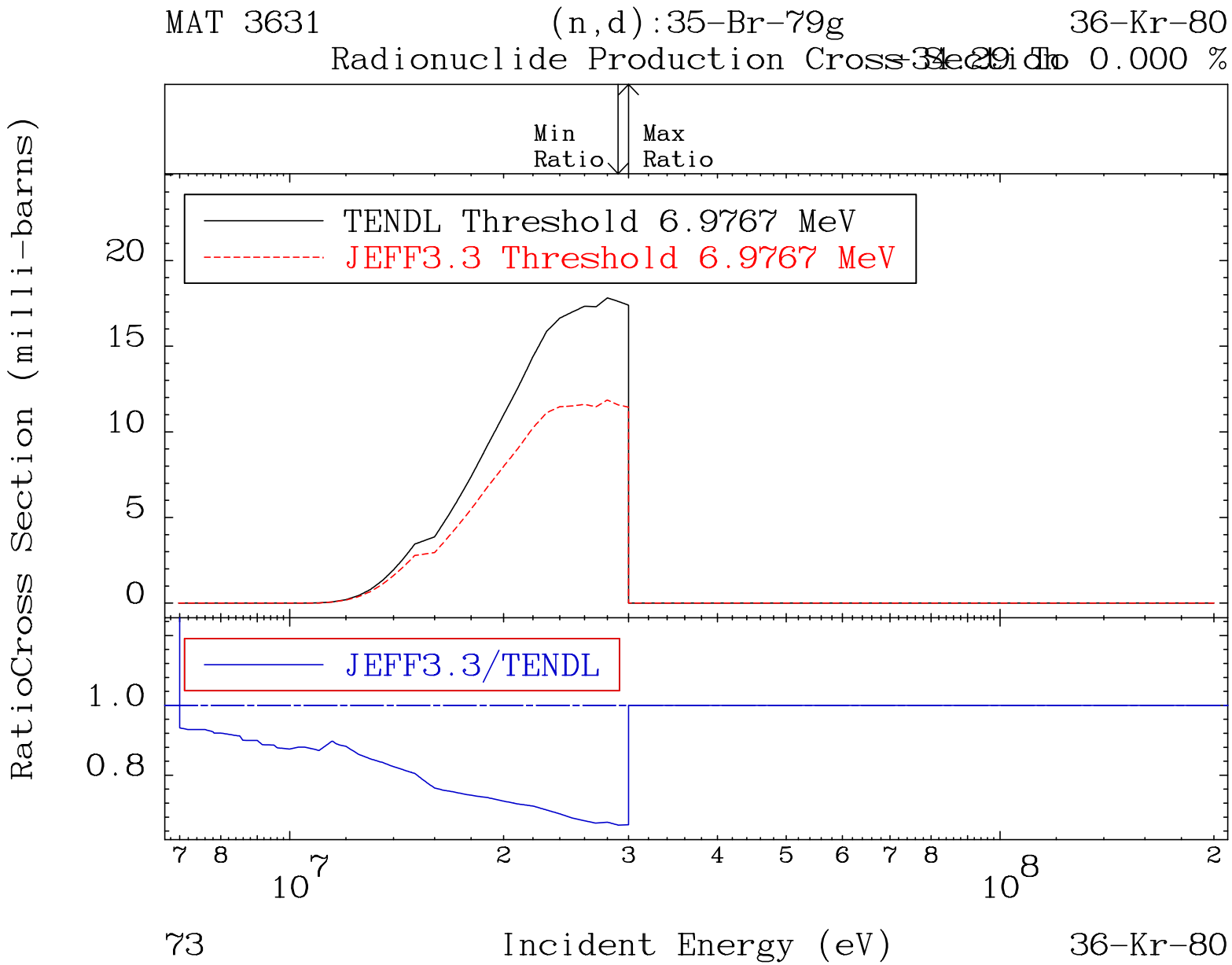

MAT 3631
(n,n') t:35-Br-77m1
36-Kr-80
Radionuclide Production Cross Section
0.000 To 3704. %
Max Ratio
Min Ratio
TENDL Threshold 19.963 MeV
JEFF3.3 Threshold 19.963 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
68
Incident Energy (eV)
36-Kr-80

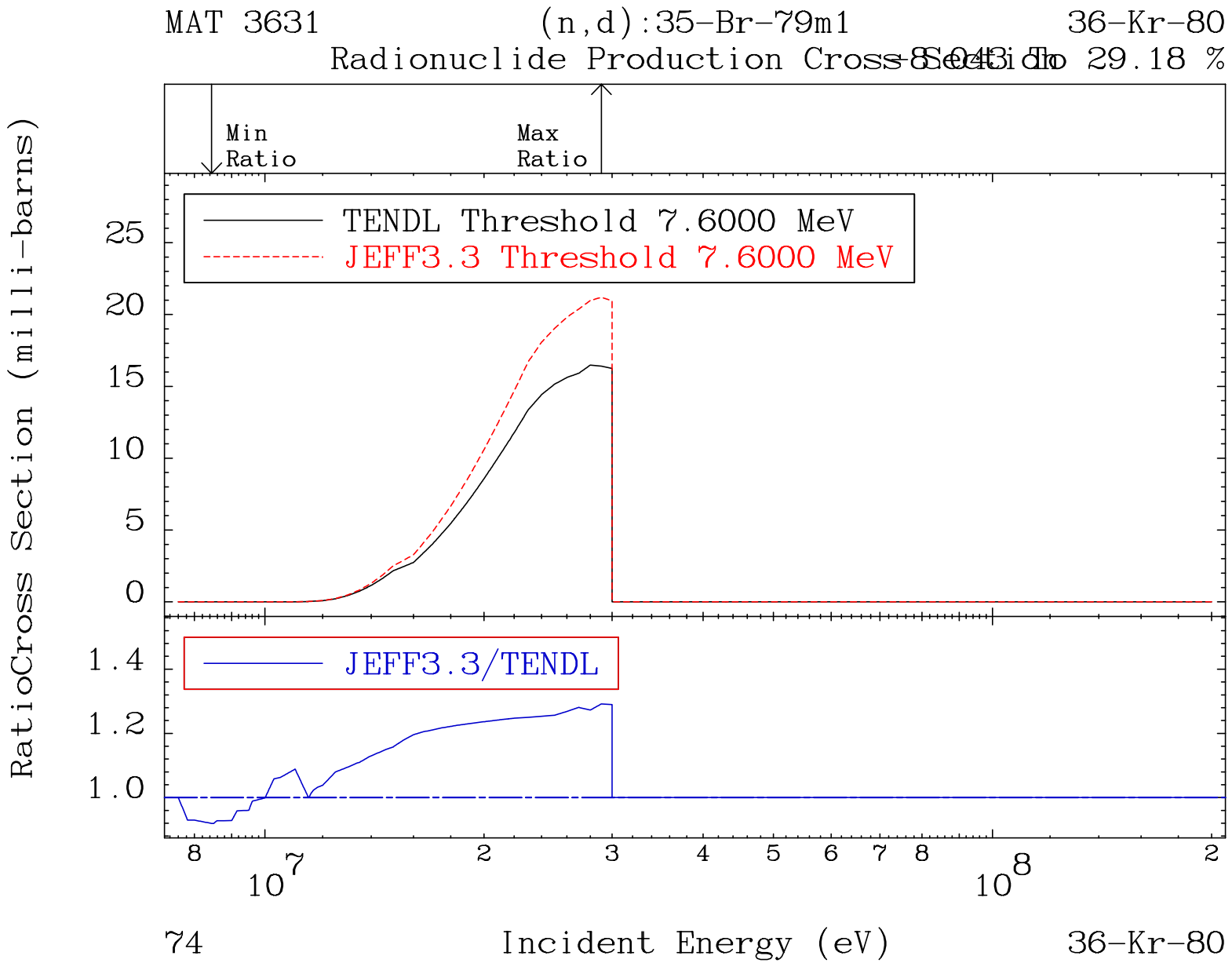

MAT 3631 (n,n') He-3:34-Se-77g 36-Kr-80
Radionuclide Production Cross-Section to 991.1 %
Max Ratio
Min Ratio
TENDL Threshold 18.455 MeV
JEFF3.3 Threshold 18.455 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
160
120
80
40
0
10^1
10^0
4
4
2
3
4
5
6
7
8
9
10^8
2
69
Incident Energy (eV)
36-Kr-80

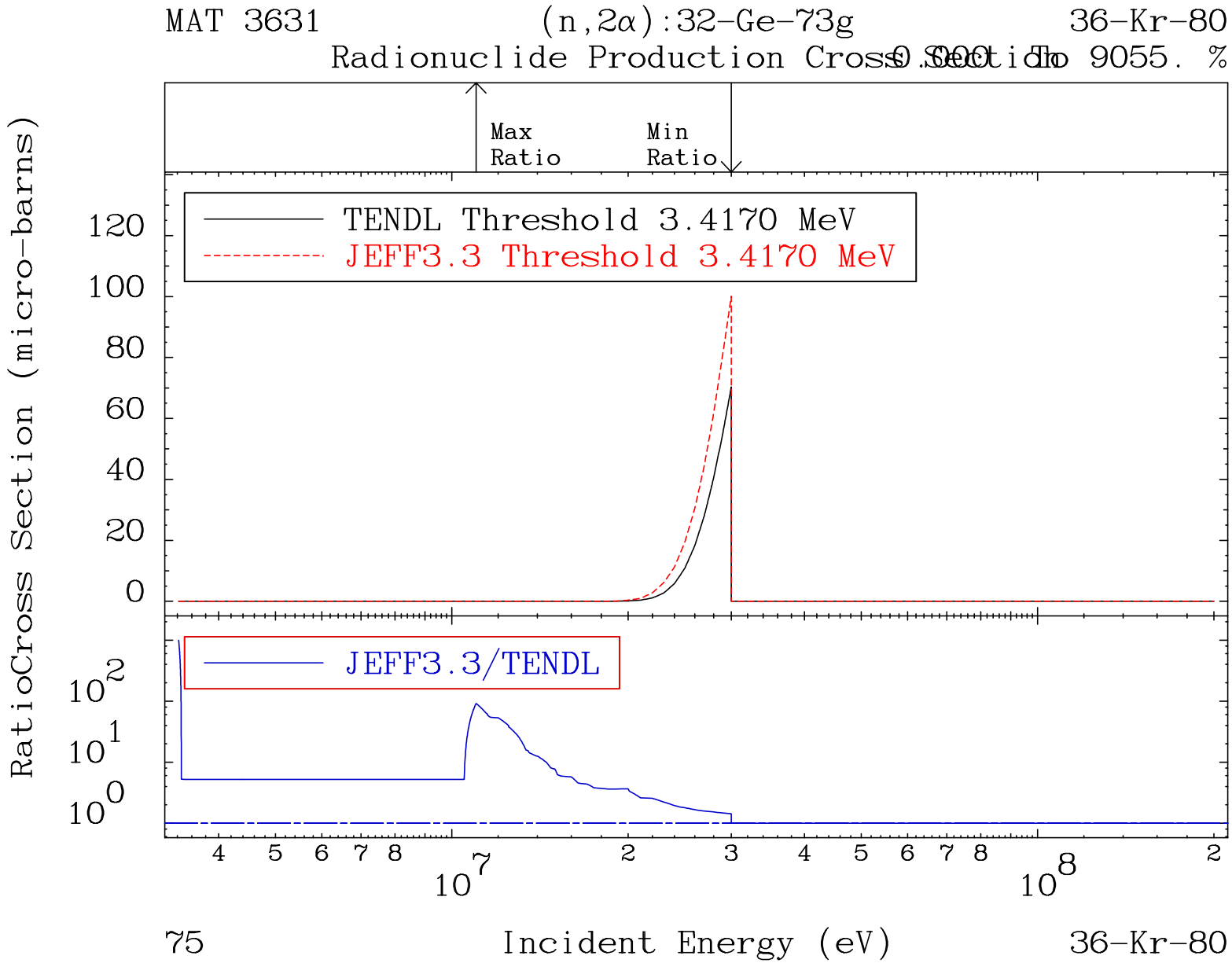

MAT 3631
(n,n') He-3:34-Se-77m1
36-Kr-80
Radionuclide Production Cross Section To 87.60 %
Min
Ratio
500
400
300
200
100
0
TENDL Threshold 21.000 MeV
JEFF3.3 Threshold 21.000 MeV
2.0
1.6
1.2
JEFF3.3/TENDL
20
40
60
80
100
120
140
160
180
200
RatioCross Section (micro-barns)
70
Incident Energy (MeV)
36-Kr-80

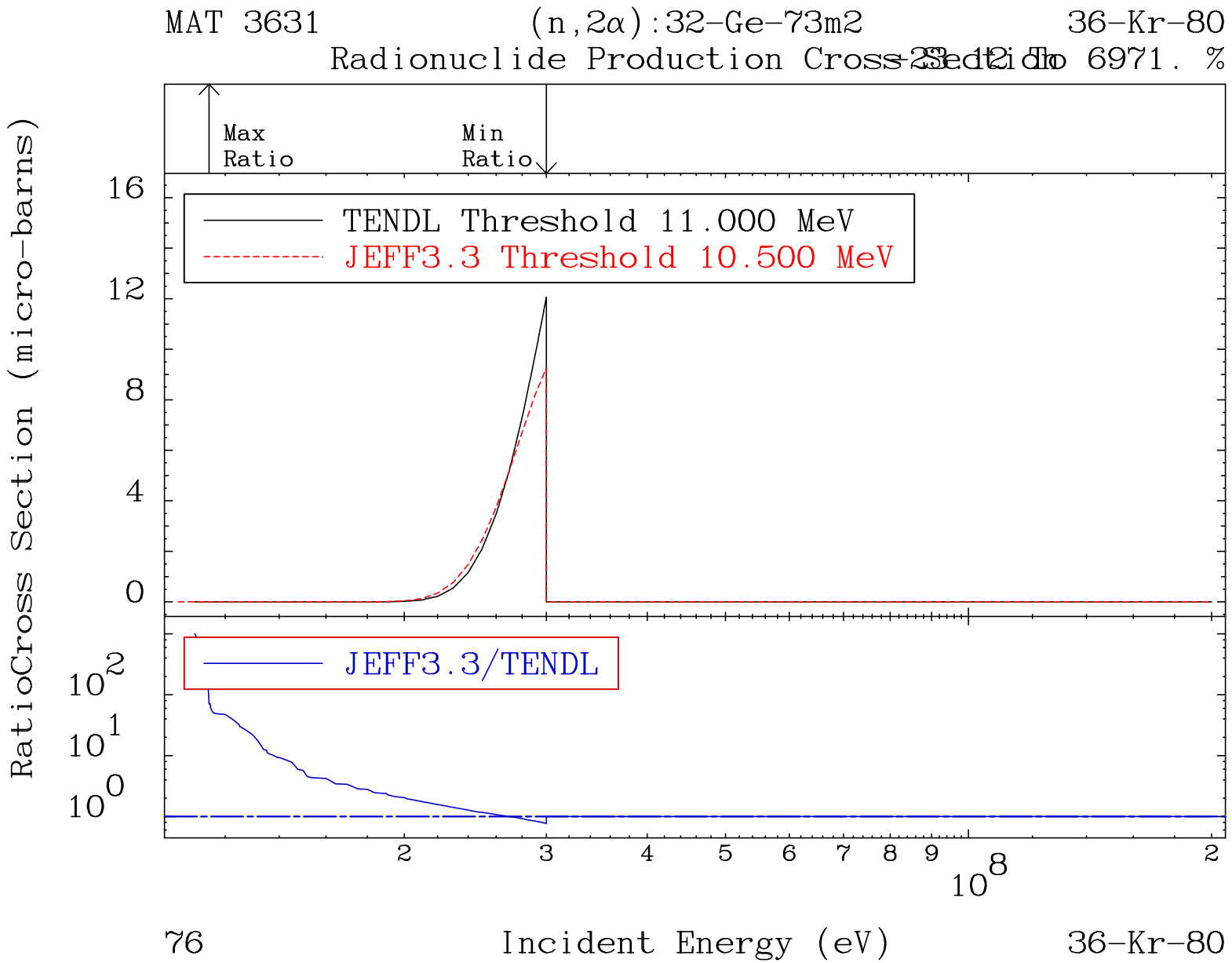

MAT 3631
(n,p):35-Br-80g
36-Kr-80
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 1.2375 MeV
JEFF3.3 Threshold 1.2374 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
71
36-Kr-80

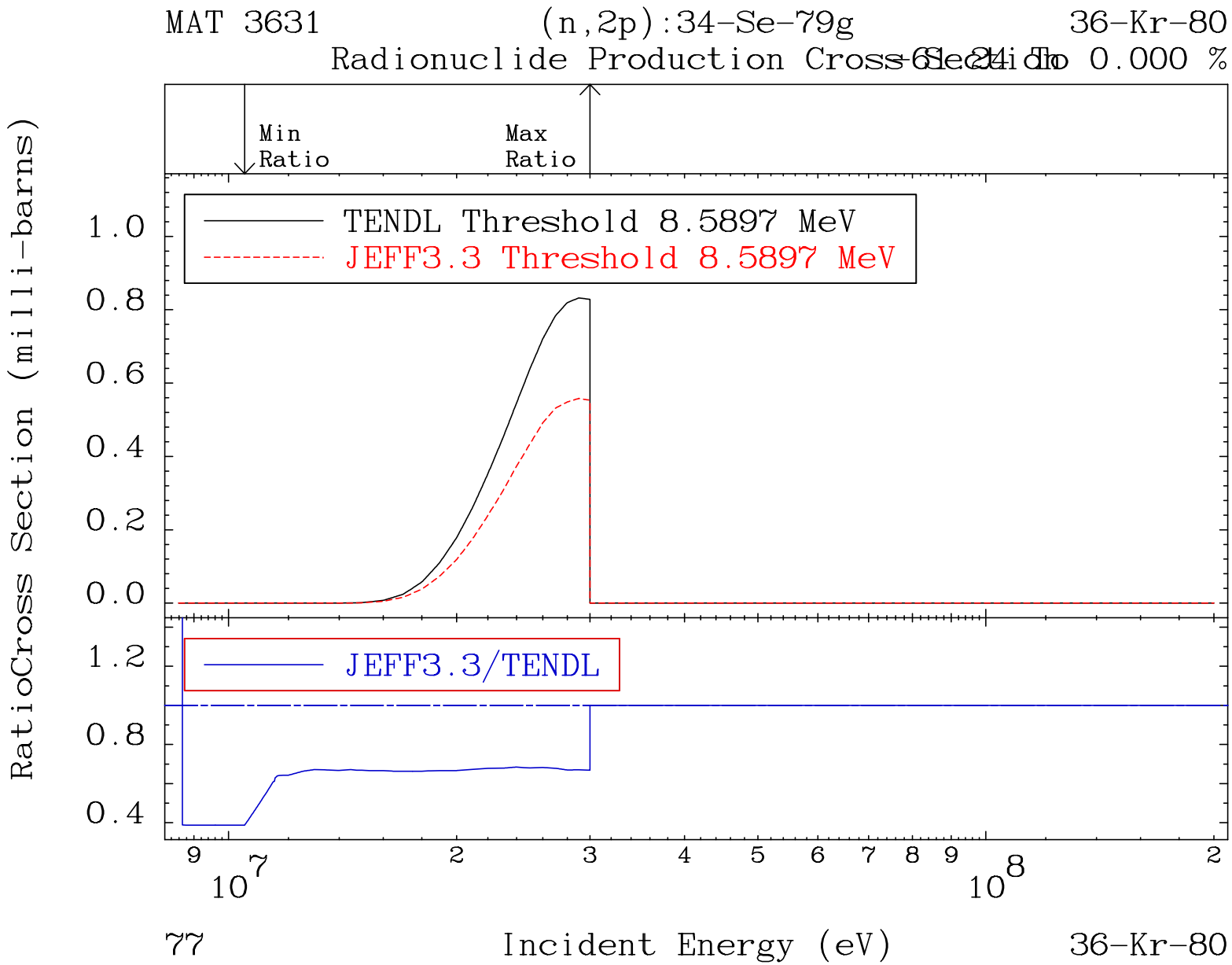

MAT 3631
(n,p):35-Br-80m2
36-Kr-80
Radionuclide Production Cross Section To 141.5 %
Max Ratio
Min Ratio
TENDL Threshold 1.3244 MeV
JEFF3.3 Threshold 1.3244 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
3.0
2.0
1.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
72
Incident Energy (eV)
36-Kr-80

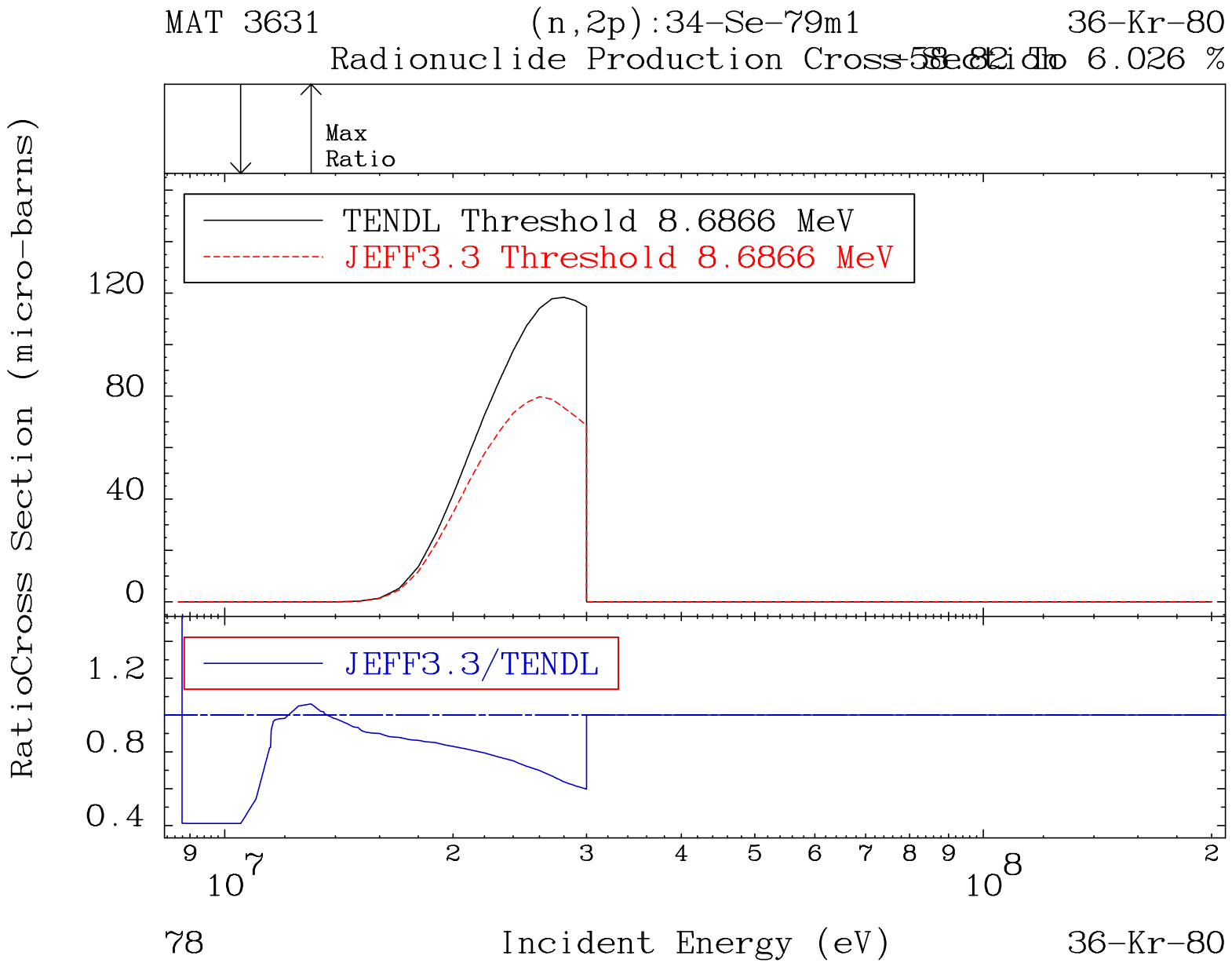

MAT 3631
(n,d):35-Br-79g
36-Kr-80
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 6.9767 MeV
JEFF3.3 Threshold 6.9767 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
73
36-Kr-80

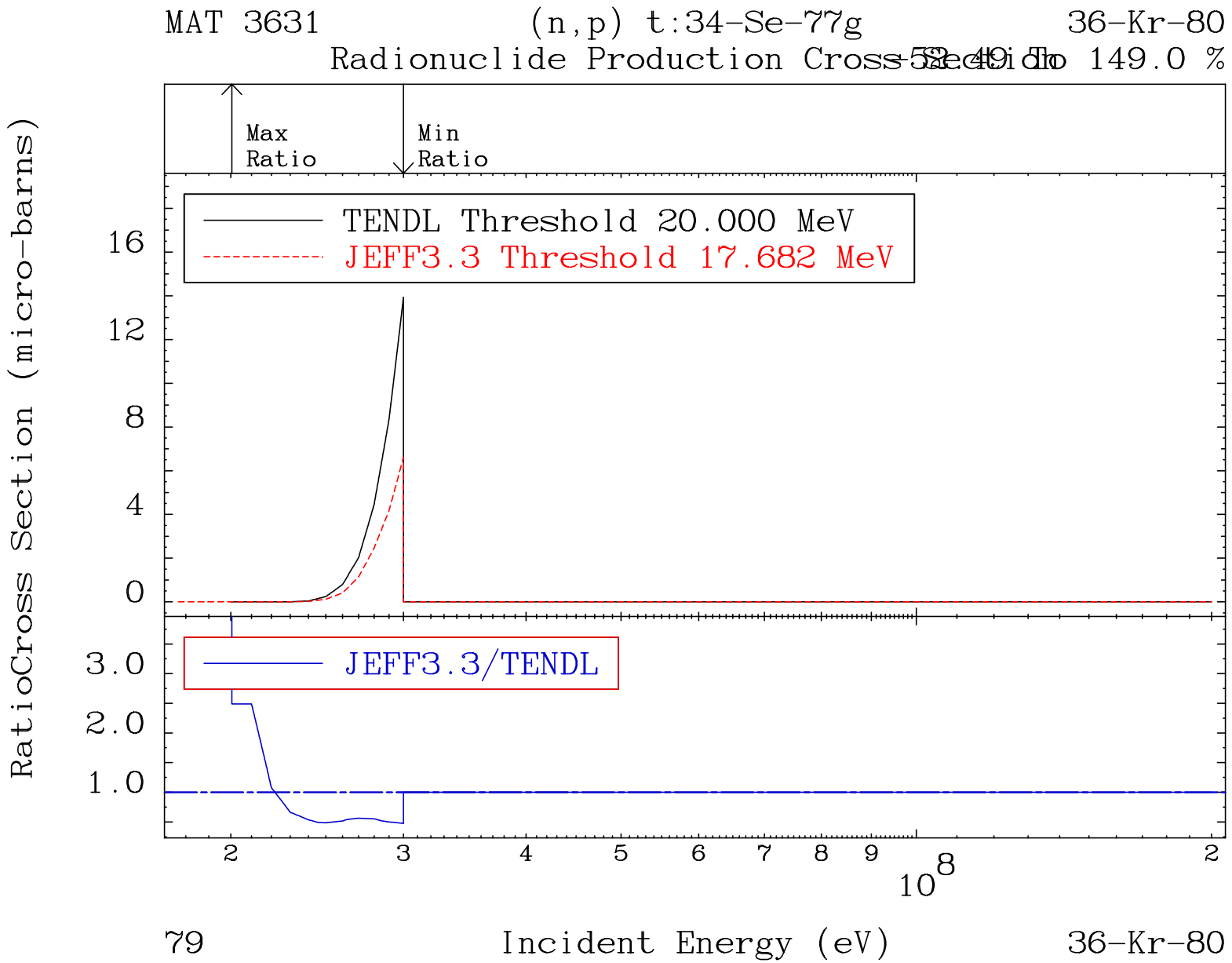

MAT 3631
(n,d):35-Br-79m1
36-Kr-80
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 7.6000 MeV
JEFF3.3 Threshold 7.6000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
74
36-Kr-80

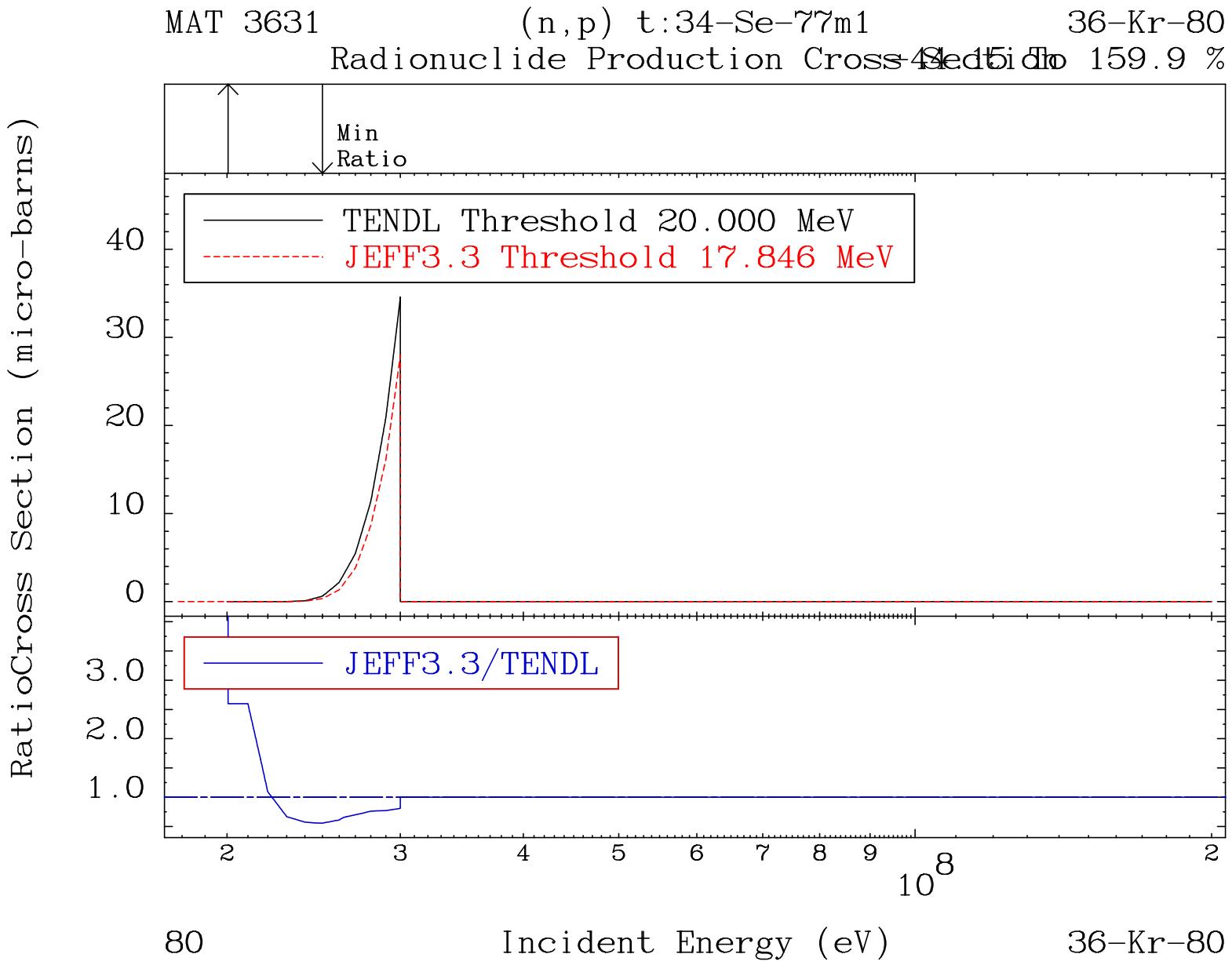

MAT 3631
(n,2α):32-Ge-73g
36-Kr-80
Radionuclide Production Cross Section
0.0001 To 9055. %
Max Ratio
Min Ratio
TENDL Threshold 3.4170 MeV
JEFF3.3 Threshold 3.4170 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
120
100
80
60
40
20
0
10^2
10^1
10^0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
75
Incident Energy (eV)
36-Kr-80


MAT 3631
(n,2α):32-Ge-73m2
36-Kr-80
Radionuclide Production Cross Section To 6971. %
Max Ratio
Min Ratio
TENDL Threshold 11.000 MeV
JEFF3.3 Threshold 10.500 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
16
12
8
4
0
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
76
Incident Energy (eV)
36-Kr-80


MAT 3631
(n,2p):34-Se-79g
36-Kr-80
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 8.5897 MeV
JEFF3.3 Threshold 8.5897 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
77
36-Kr-80


MAT 3631
(n,2p):34-Se-79m1
36-Kr-80
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 8.6866 MeV
JEFF3.3 Threshold 8.6866 MeV
120
80
40
0
JEFF3.3/TENDL
1.2
0.8
0.4
9
10^7
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (micro-barns)
78
Incident Energy (eV)
36-Kr-80


MAT 3631
(n,p) t:34-Se-77g
36-Kr-80
Radionuclide Production Cross Section To 149.0 %
Max Ratio
Min Ratio
TENDL Threshold 20.000 MeV
JEFF3.3 Threshold 17.682 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
16
12
8
4
0
3.0
2.0
1.0
2
3
4
5
6
7
8
9
2
10^8
79
Incident Energy (eV)
36-Kr-80


MAT 3631
(n,p) t:34-Se-77m1
36-Kr-80
Radionuclide Production Cross-Section To 159.9 %
Min
Ratio
TENDL Threshold 20.000 MeV
JEFF3.3 Threshold 17.846 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
40
30
20
10
0
3.0
2.0
1.0
2
3
4
5
6
7
8
9
10 8
2
80
Incident Energy (eV)
36-Kr-80