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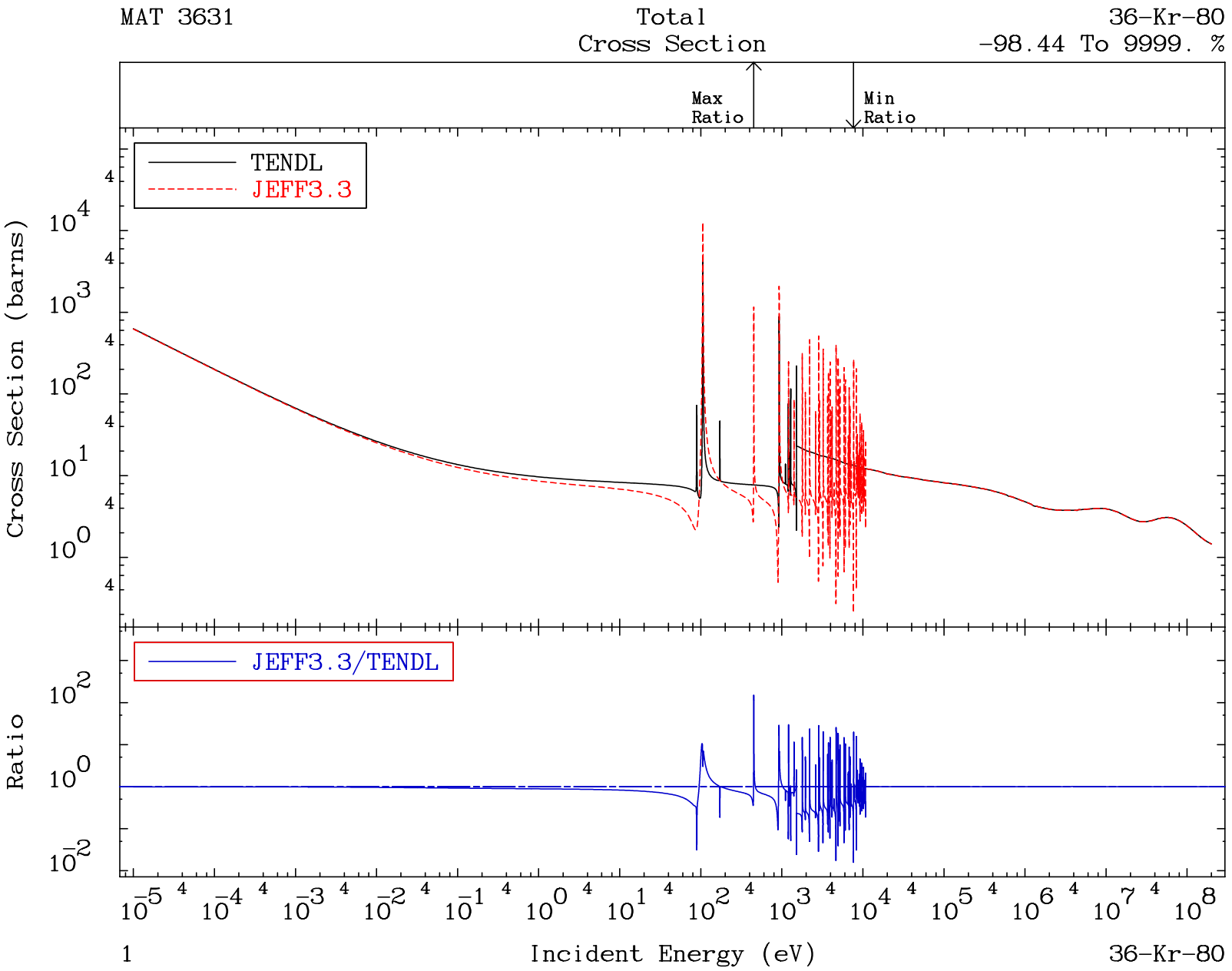
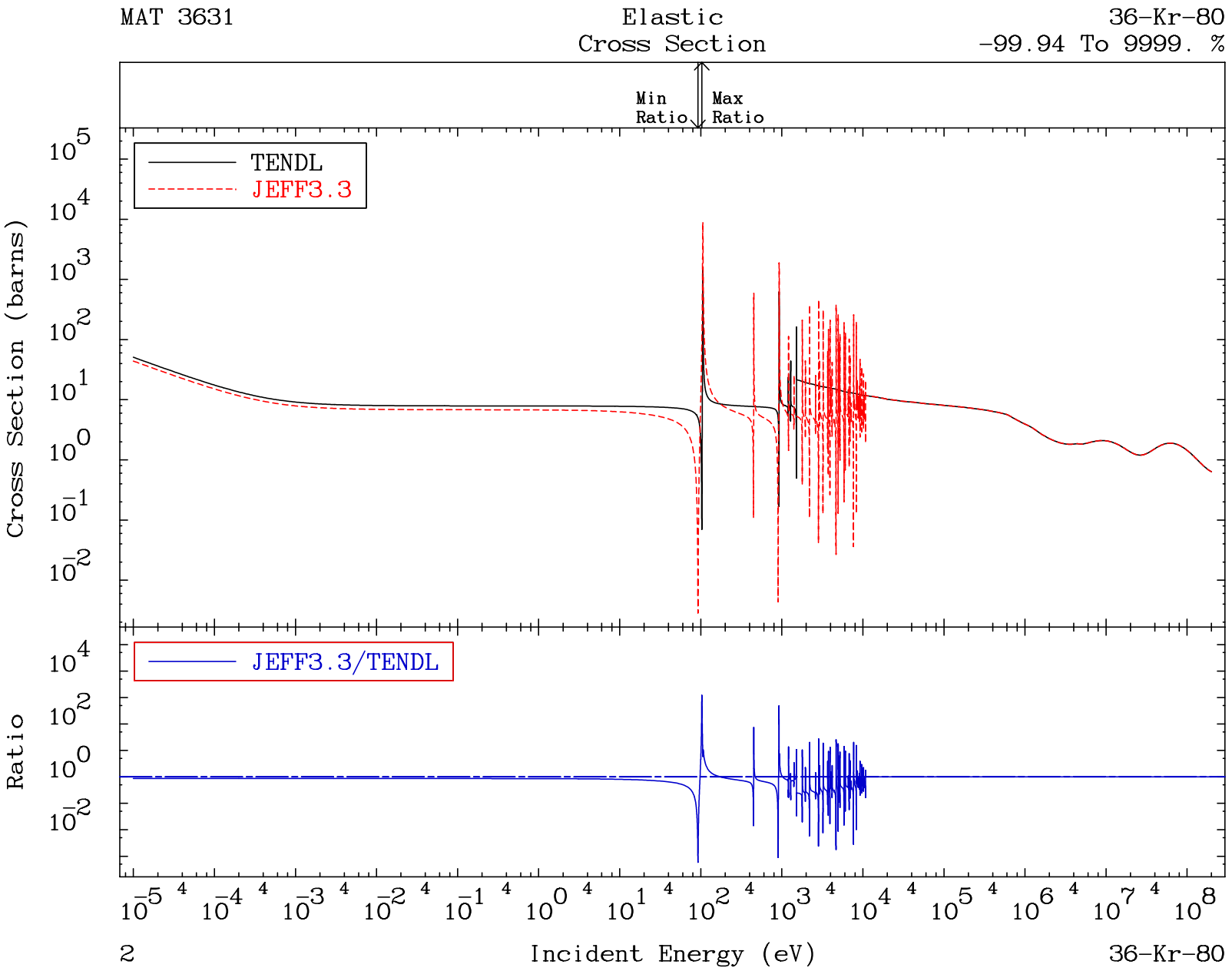
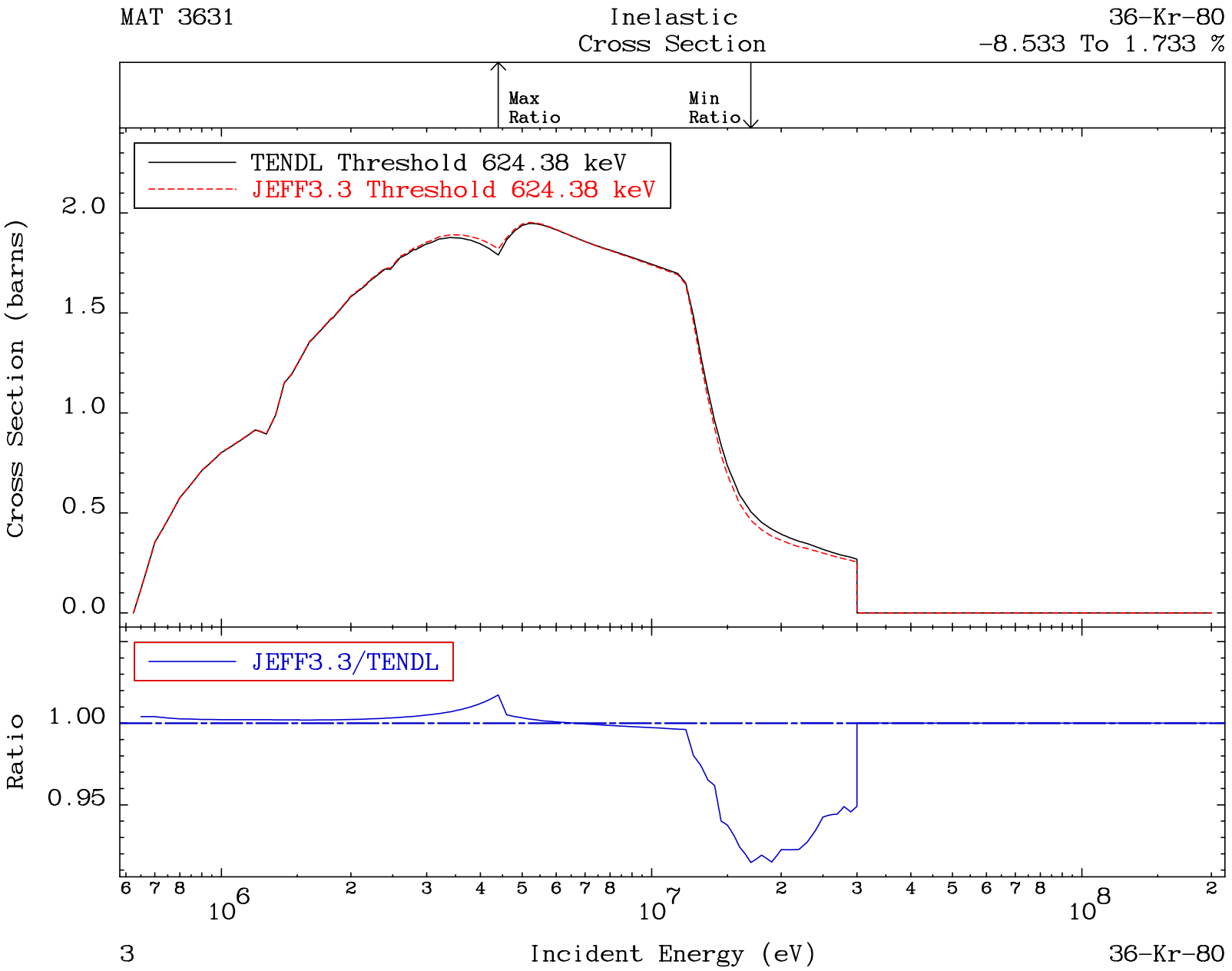
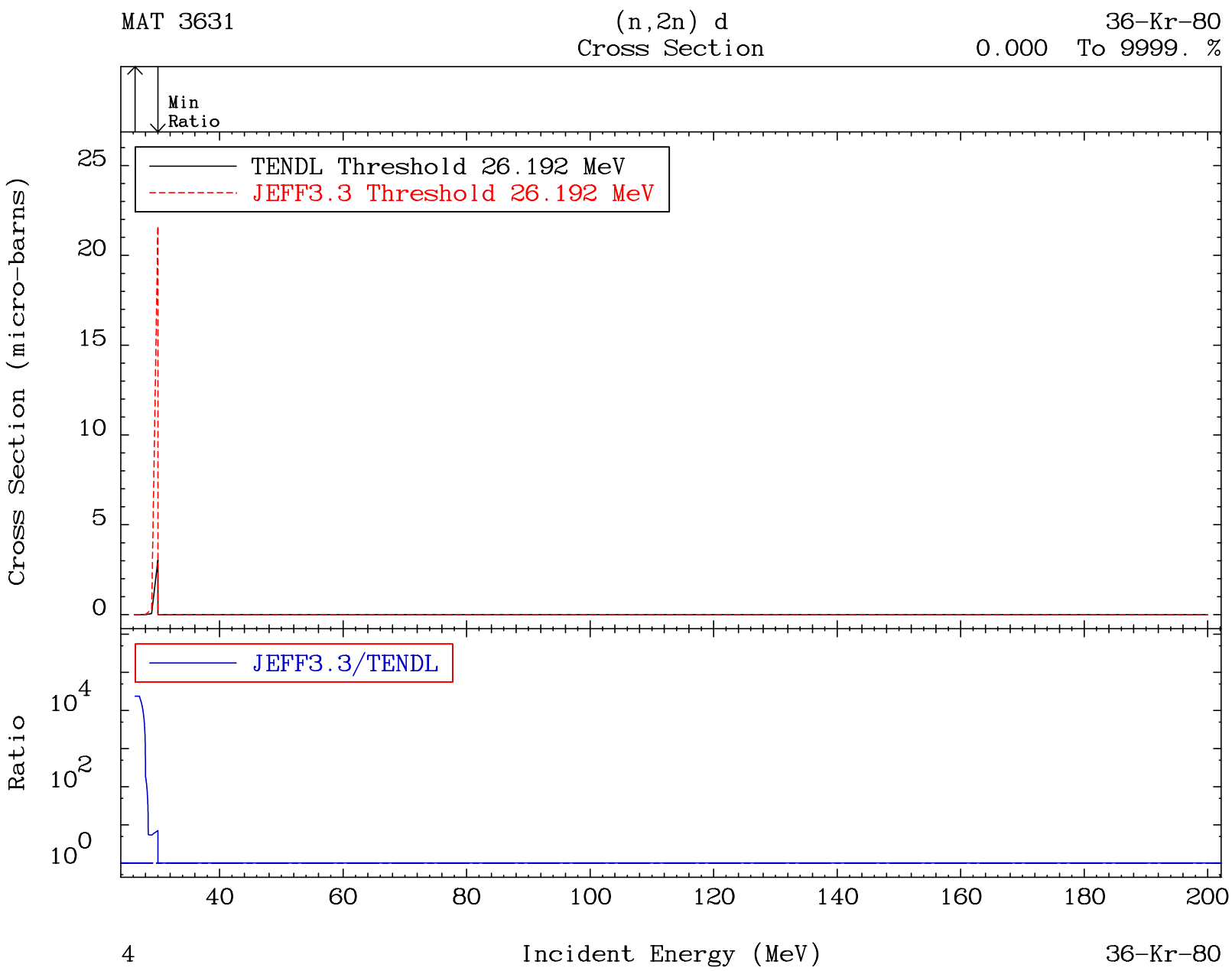
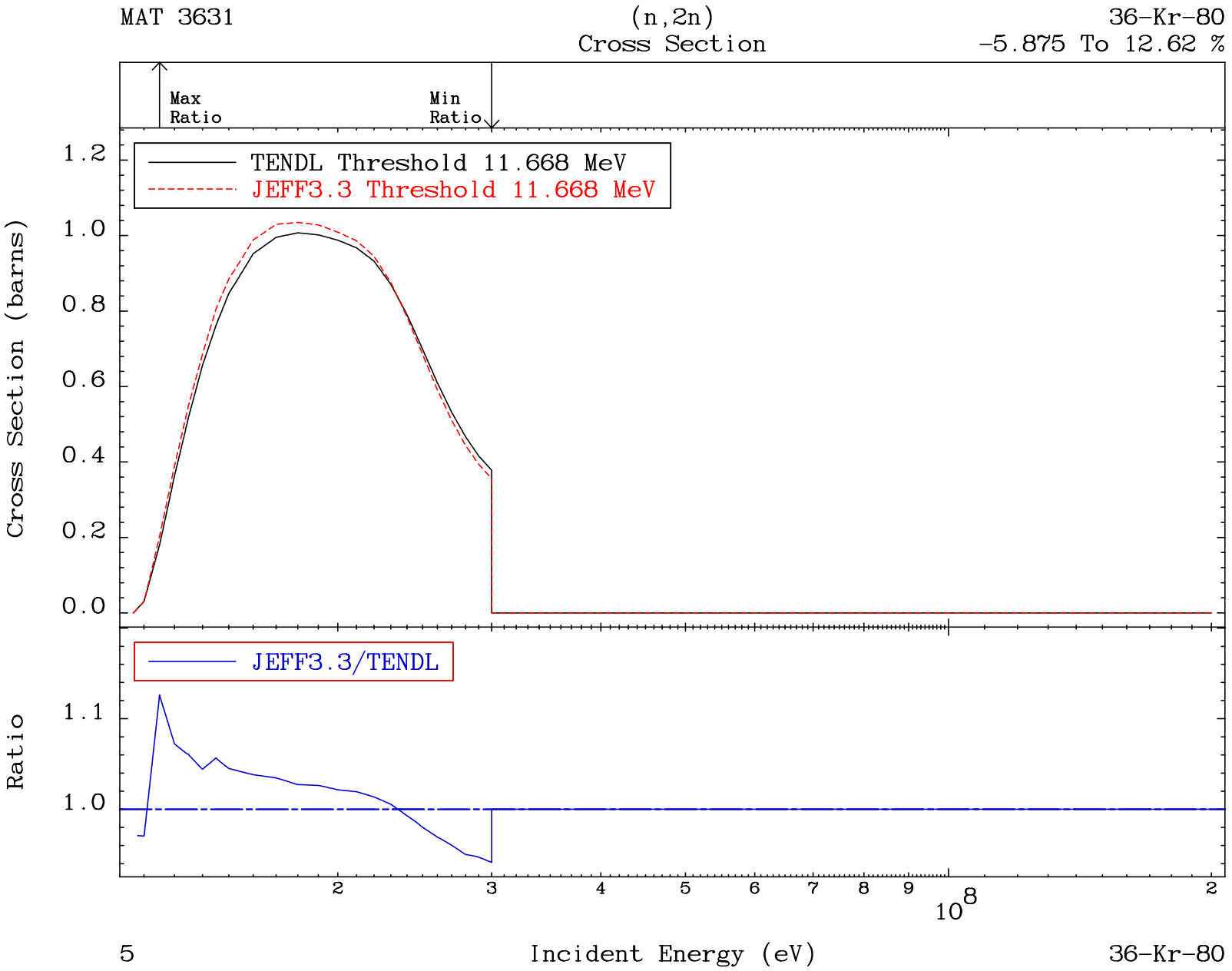
Press Mouse Button to Start

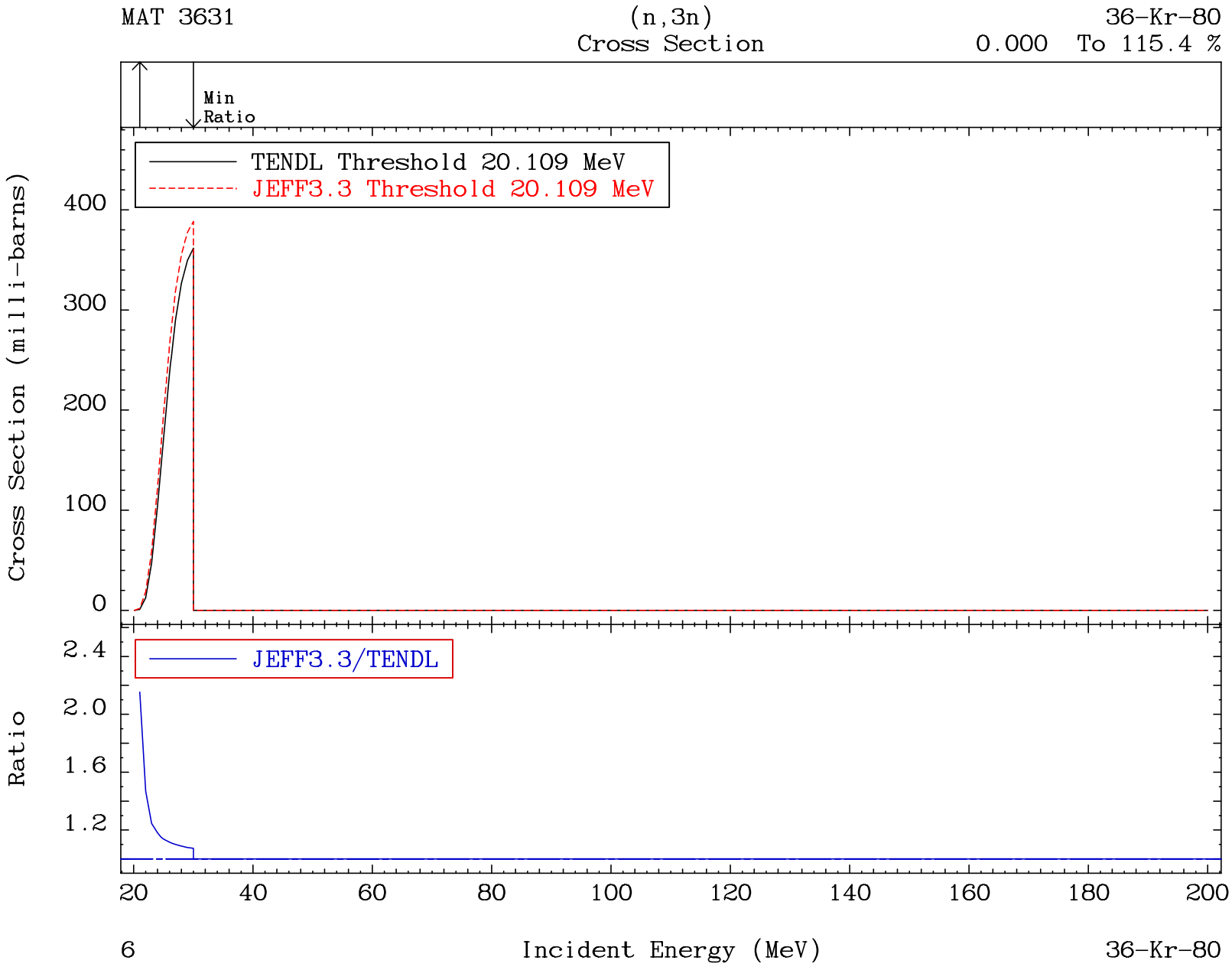

MAT 3631
Total
Cross Section
36-Kr-80
-98.44 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
1
36-Kr-80

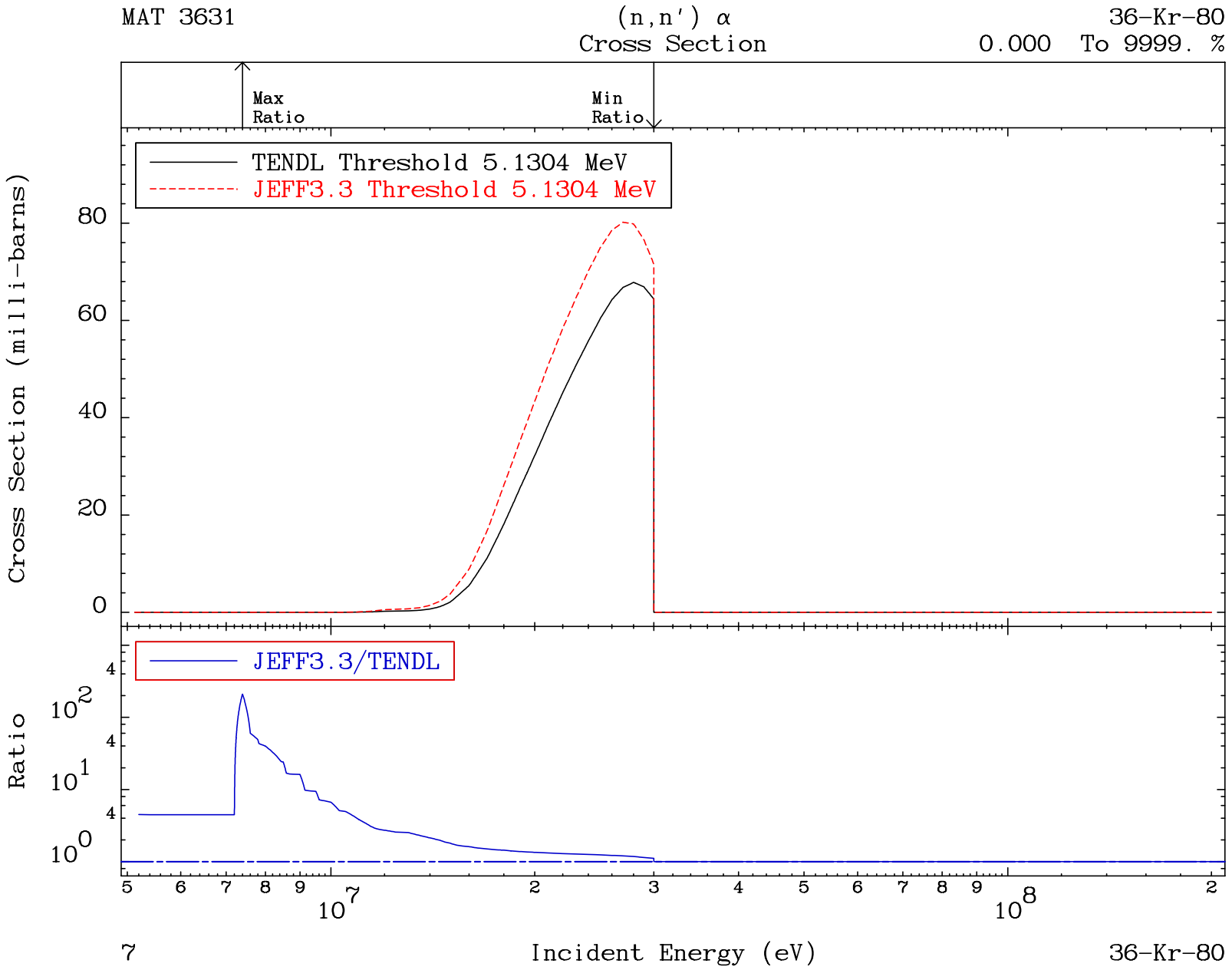

MAT 3631
Elastic
Cross Section
36-Kr-80
-99.94 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
2
36-Kr-80

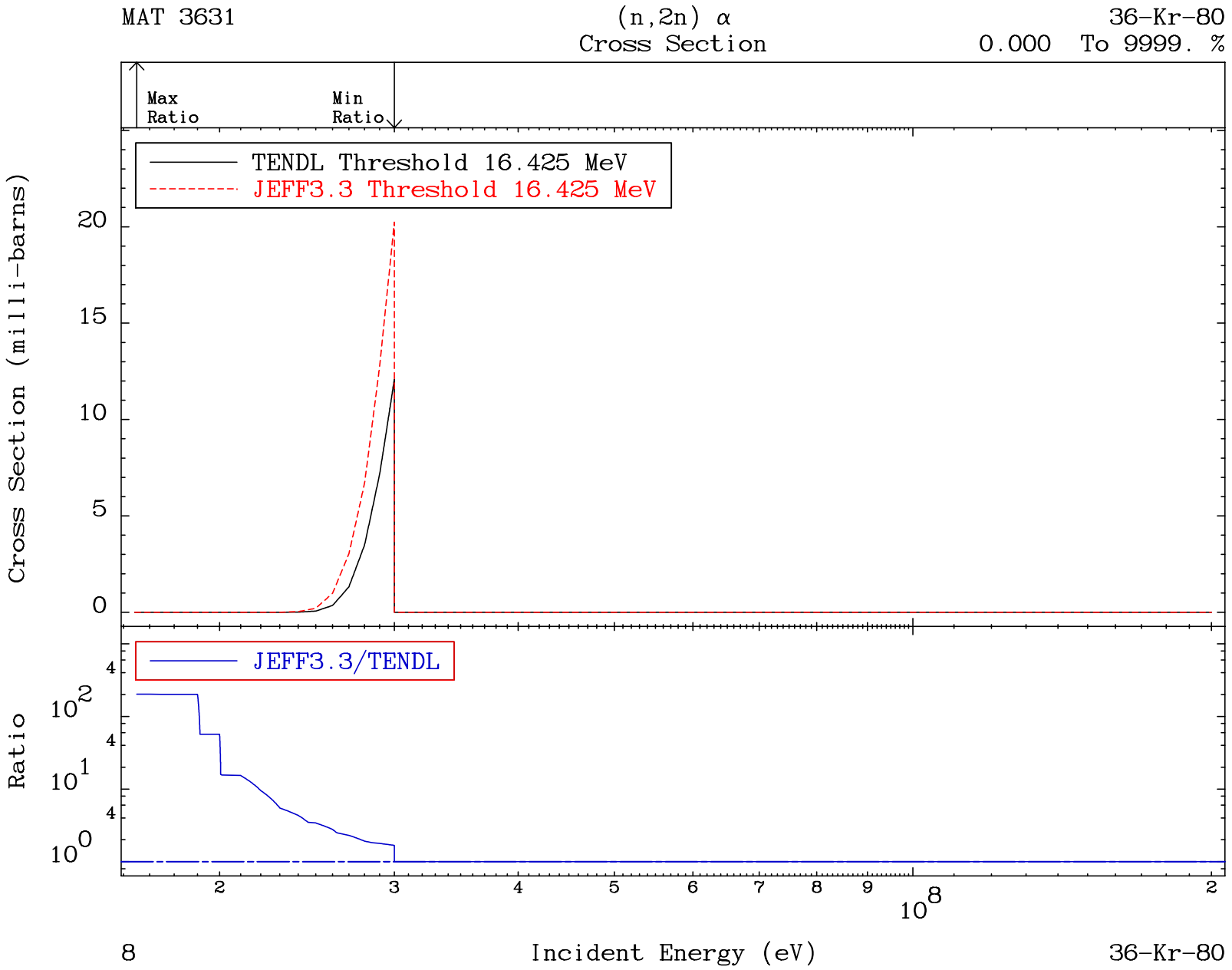

MAT 3631
Inelastic
Cross Section
36-Kr-80
-8.533 To 1.733 %
Max
Ratio
Min
Ratio
TENDL Threshold 624.38 keV
JEFF3.3 Threshold 624.38 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.00
0.95
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
3
Incident Energy (eV)
36-Kr-80

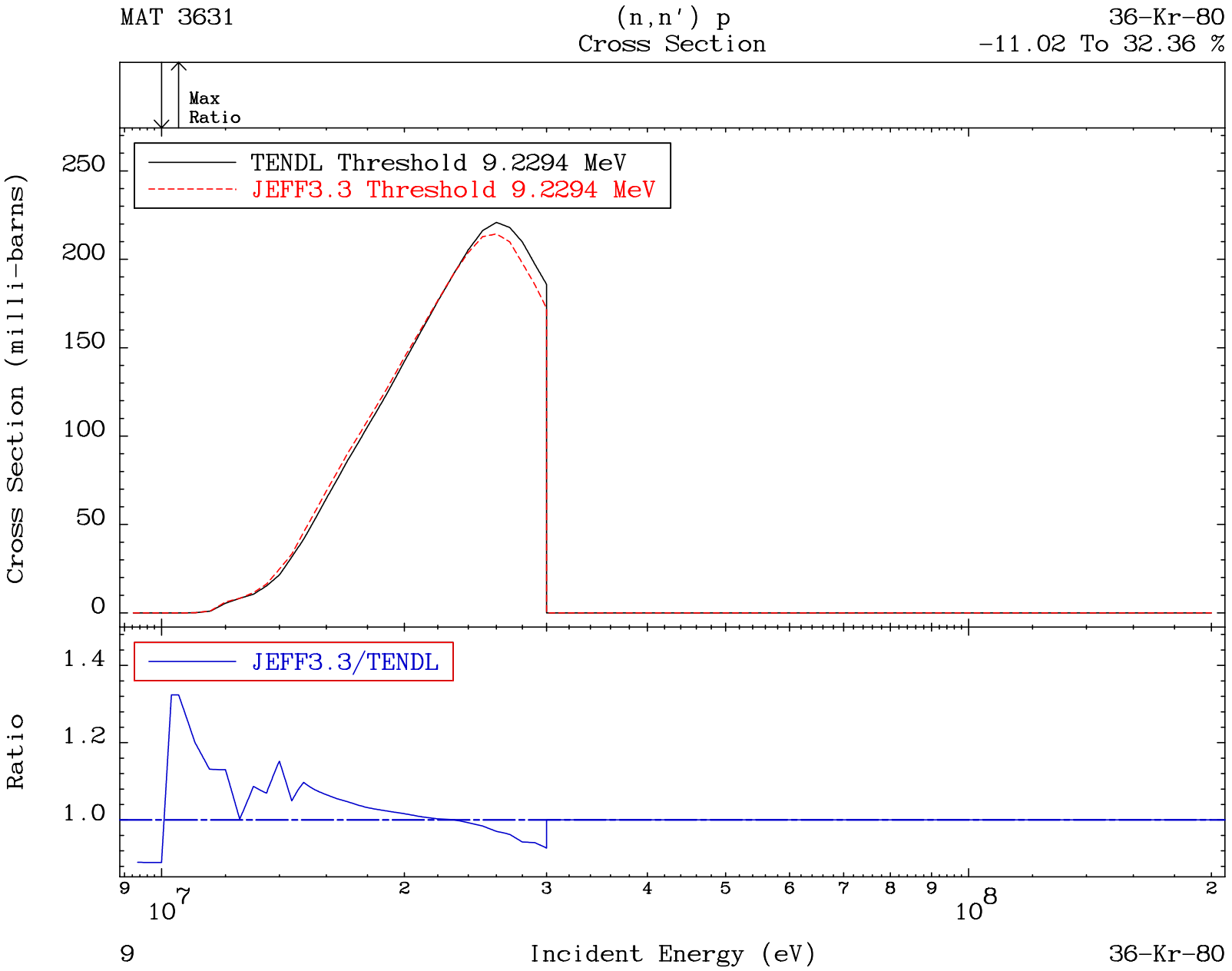

MAT 3631
(n,2n) d
Cross Section
36-Kr-80
0.000 To 9999. %
Min
Ratio
TENDL Threshold 26.192 MeV
JEFF3.3 Threshold 26.192 MeV
Cross Section (micro-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
10^4
10^2
10^0
40
60
80
100
120
140
160
180
200
4
Incident Energy (MeV)
36-Kr-80

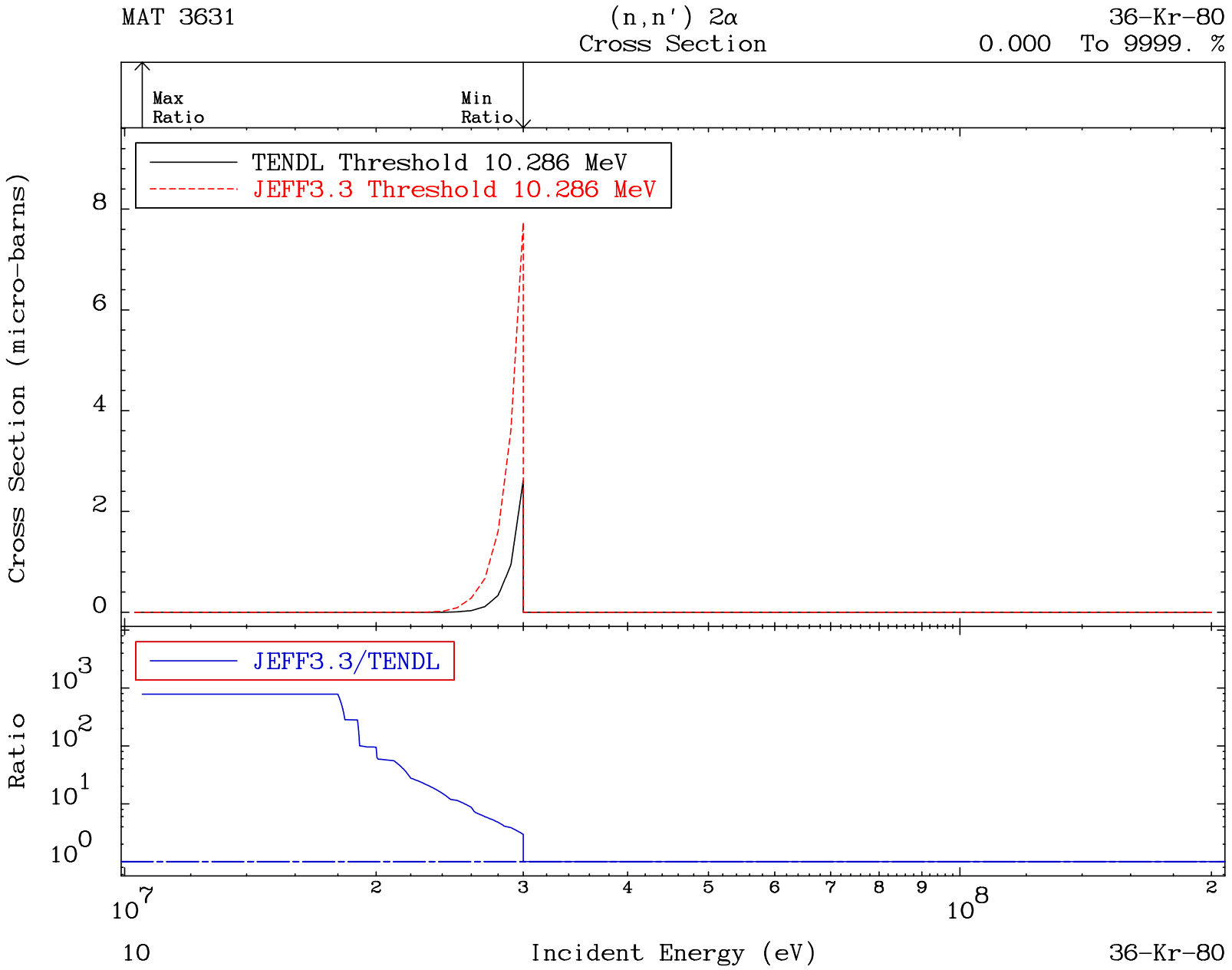

MAT 3631
(n,2n)
Cross Section
36-Kr-80
-5.875 To 12.62 %
Max Ratio
Min Ratio
TENDL Threshold 11.668 MeV
JEFF3.3 Threshold 11.668 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.1
1.0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
36-Kr-80

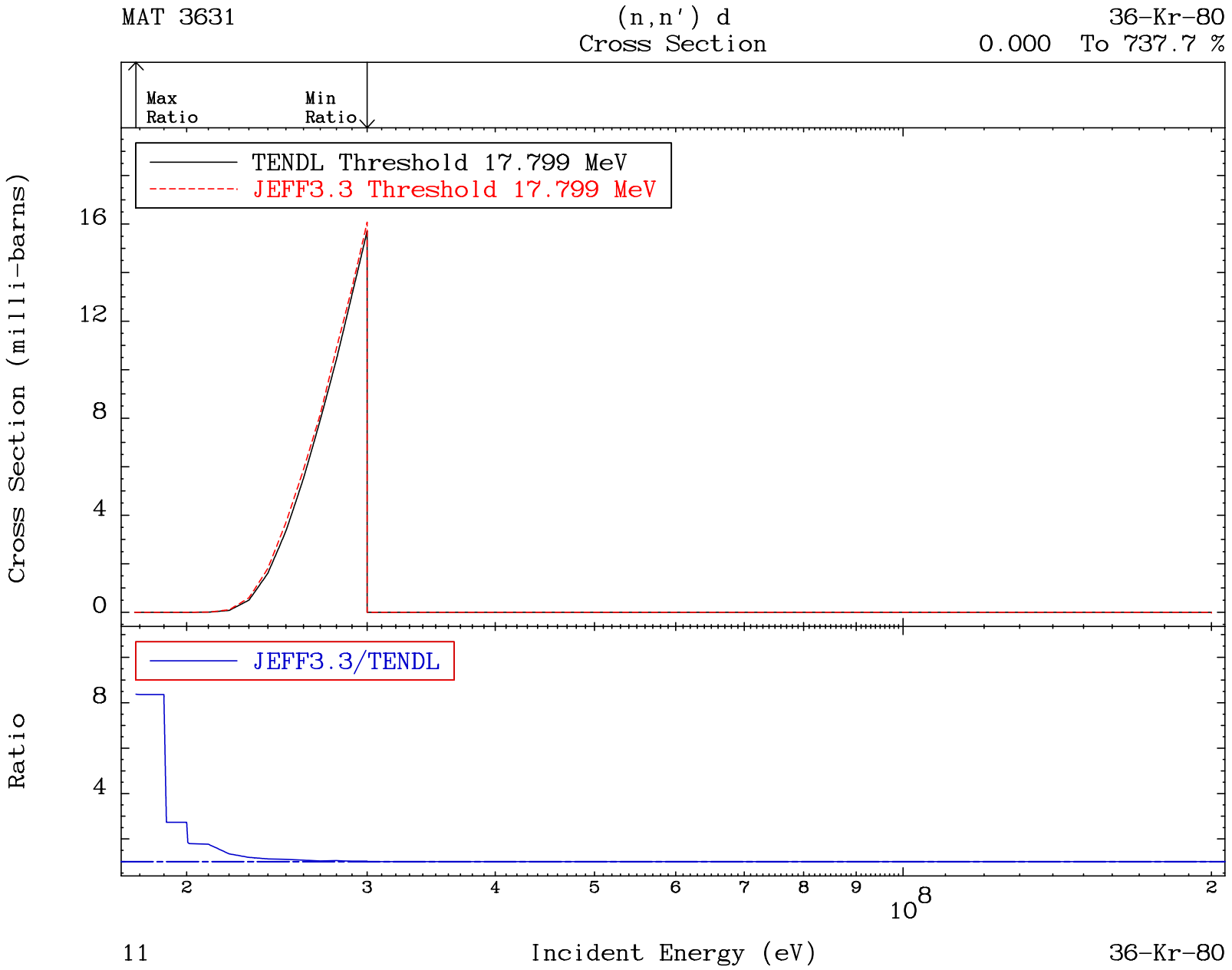

MAT 3631
(n,3n)
Cross Section
36-Kr-80
0.000 To 115.4 %
Min
Ratio
TENDL Threshold 20.109 MeV
JEFF3.3 Threshold 20.109 MeV
Cross Section (milli-barns)
400
300
200
100
0
JEFF3.3/TENDL
Ratio
2.4
2.0
1.6
1.2
20
40
60
80
100
120
140
160
180
200
6
Incident Energy (MeV)
36-Kr-80

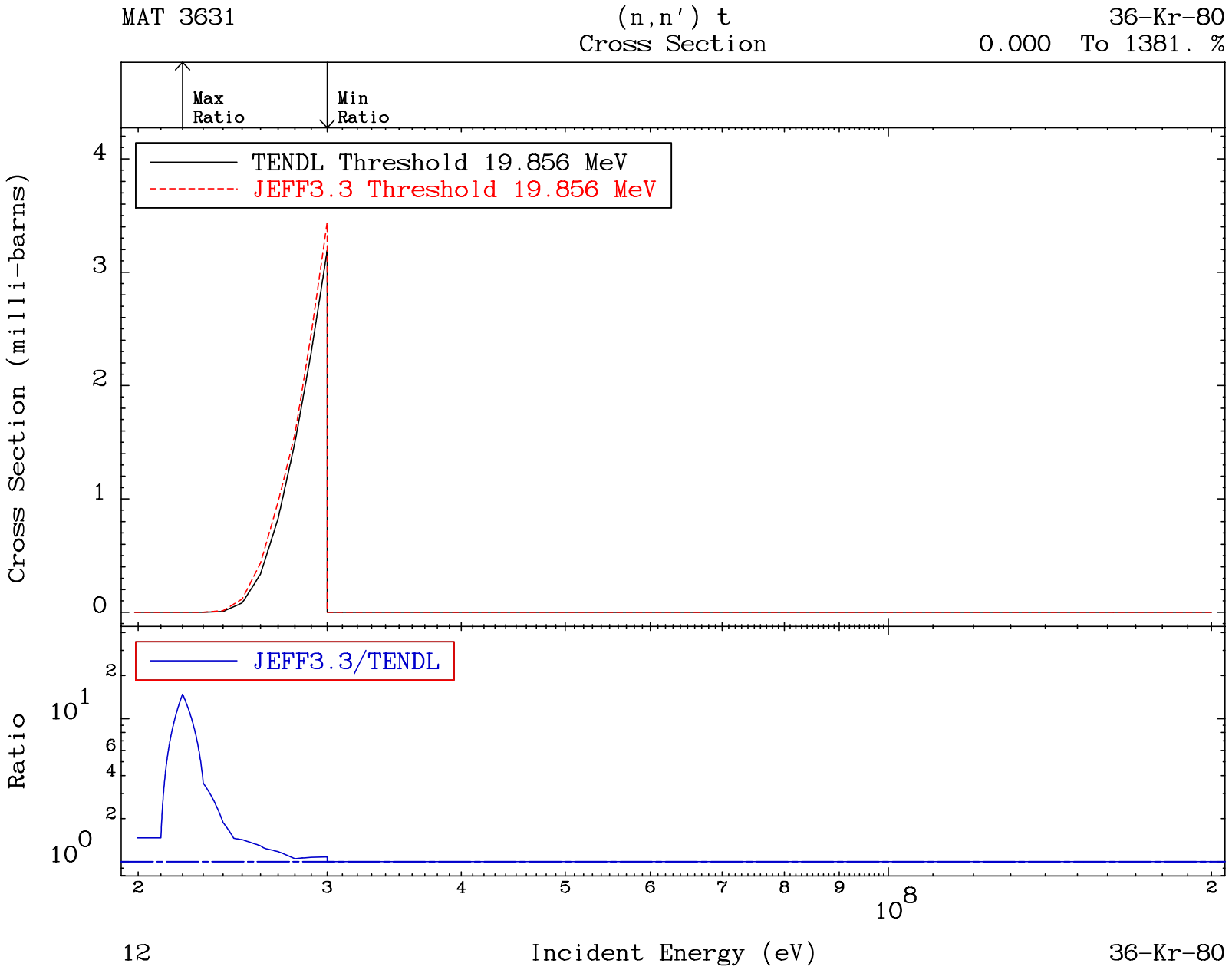

MAT 3631
(n,n') α
Cross Section
36-Kr-80
0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.1304 MeV
JEFF3.3 Threshold 5.1304 MeV
Cross Section (milli-barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
7
Incident Energy (eV)
36-Kr-80

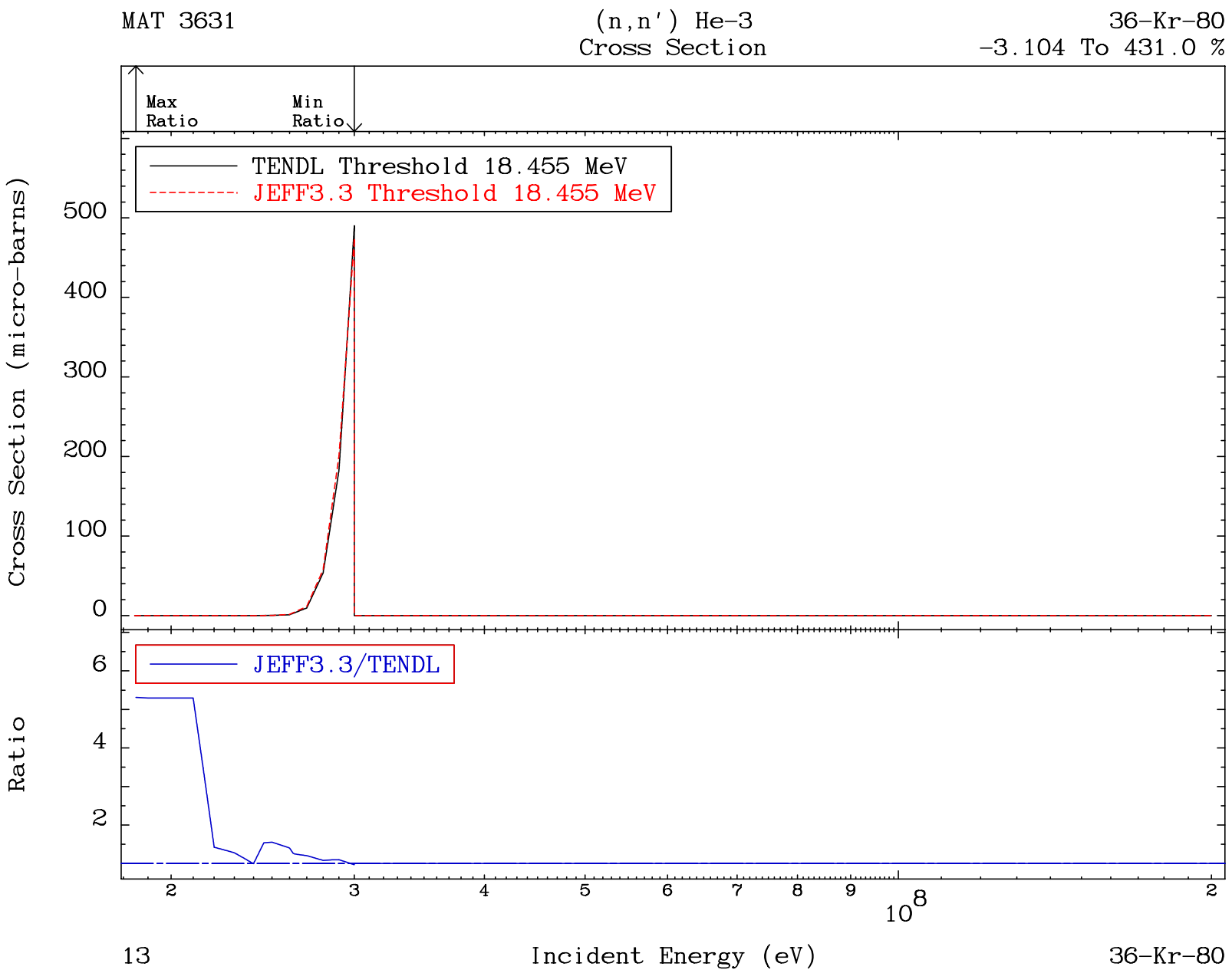

MAT 3631
(n,2n) α
Cross Section
36-Kr-80
0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 16.425 MeV
JEFF3.3 Threshold 16.425 MeV
Cross Section (milli-barns)
20
15
10
5
0
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
36-Kr-80

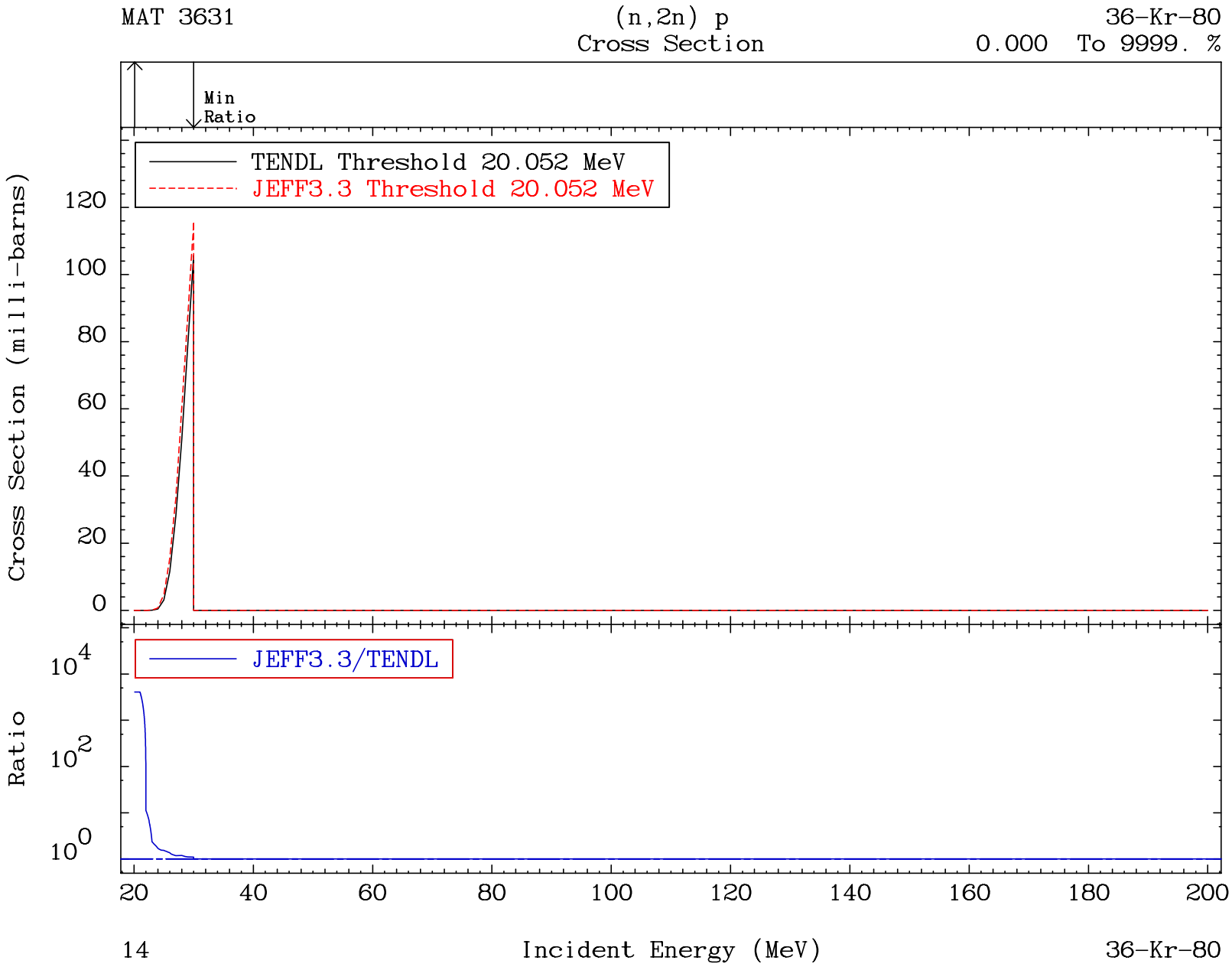

MAT 3631
(n,n') p
Cross Section
36-Kr-80
-11.02 To 32.36 %
Max
Ratio
TENDL Threshold 9.2294 MeV
JEFF3.3 Threshold 9.2294 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.4
1.2
1.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
36-Kr-80

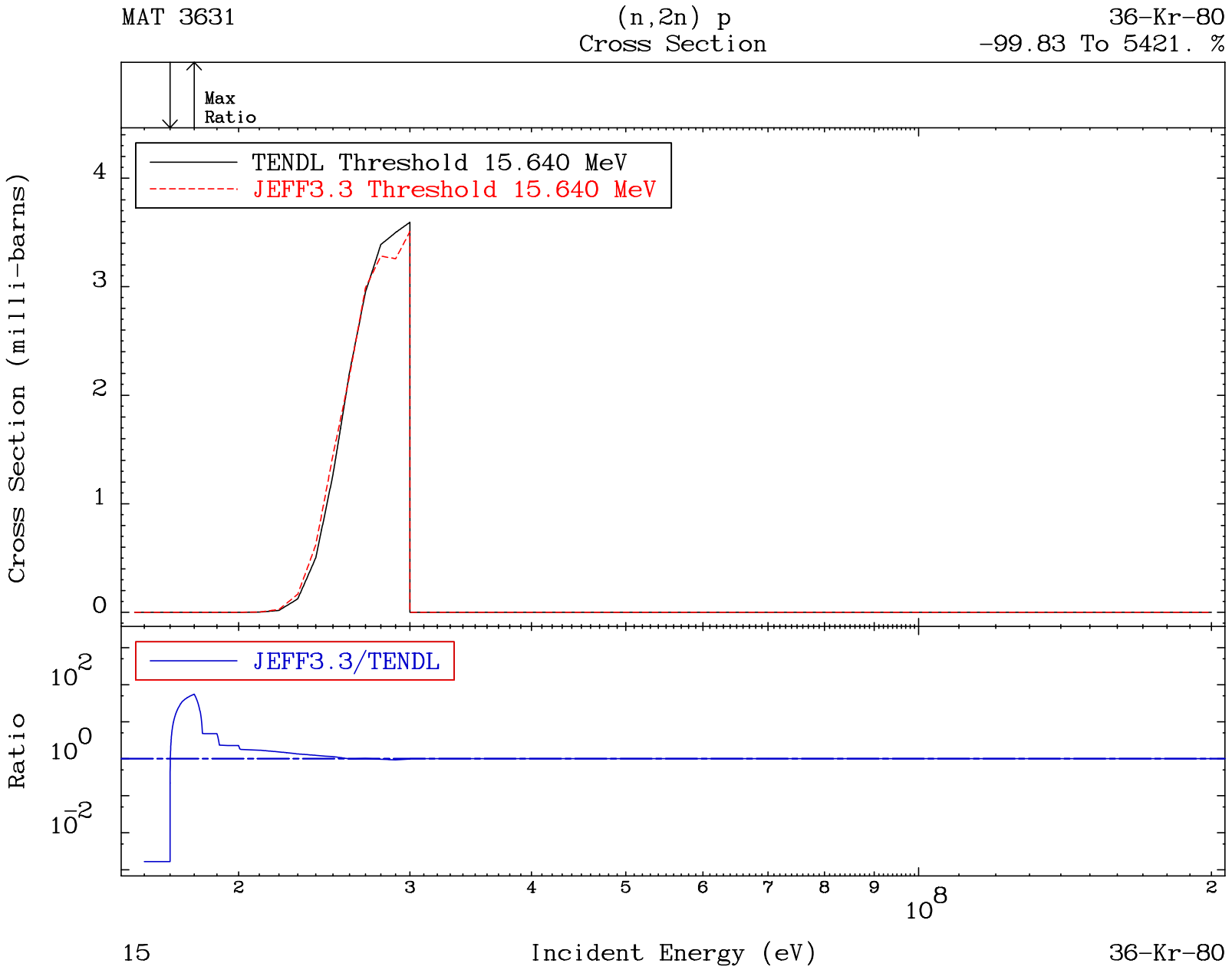

MAT 3631
(n,n') 2α
Cross Section
36-Kr-80
0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 10.286 MeV
JEFF3.3 Threshold 10.286 MeV
Cross Section (micro-barns)
0
2
4
6
8
JEFF3.3/TENDL
Ratio
10^0
10^1
10^2
10^3
10^7
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
36-Kr-80

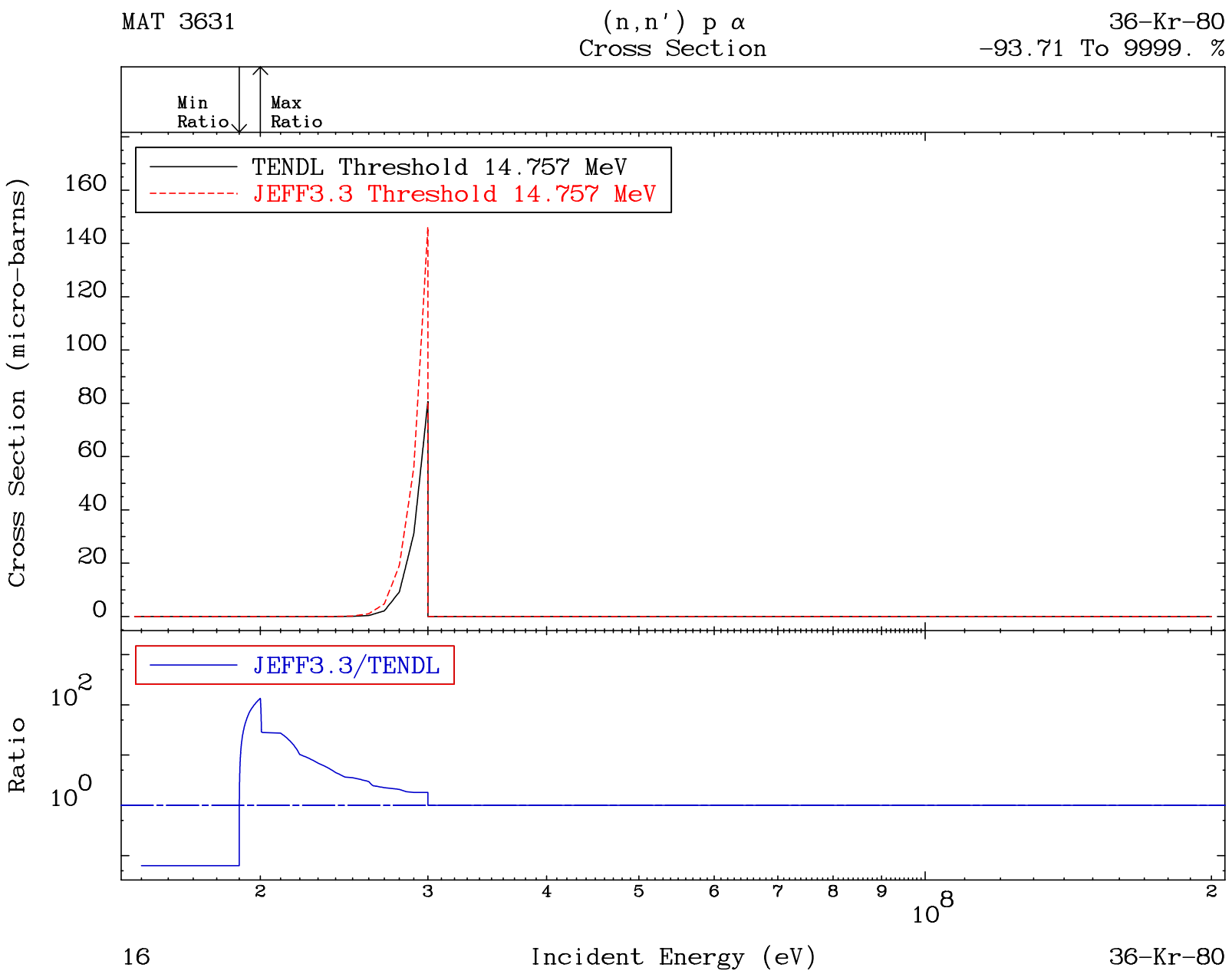

MAT 3631
(n,n') d
Cross Section
36-Kr-80
0.000 To 737.7 %
Max Ratio
Min Ratio
TENDL Threshold 17.799 MeV
JEFF3.3 Threshold 17.799 MeV
Cross Section (milli-barns)
16
12
8
4
0
JEFF3.3/TENDL
Ratio
8
4
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
36-Kr-80

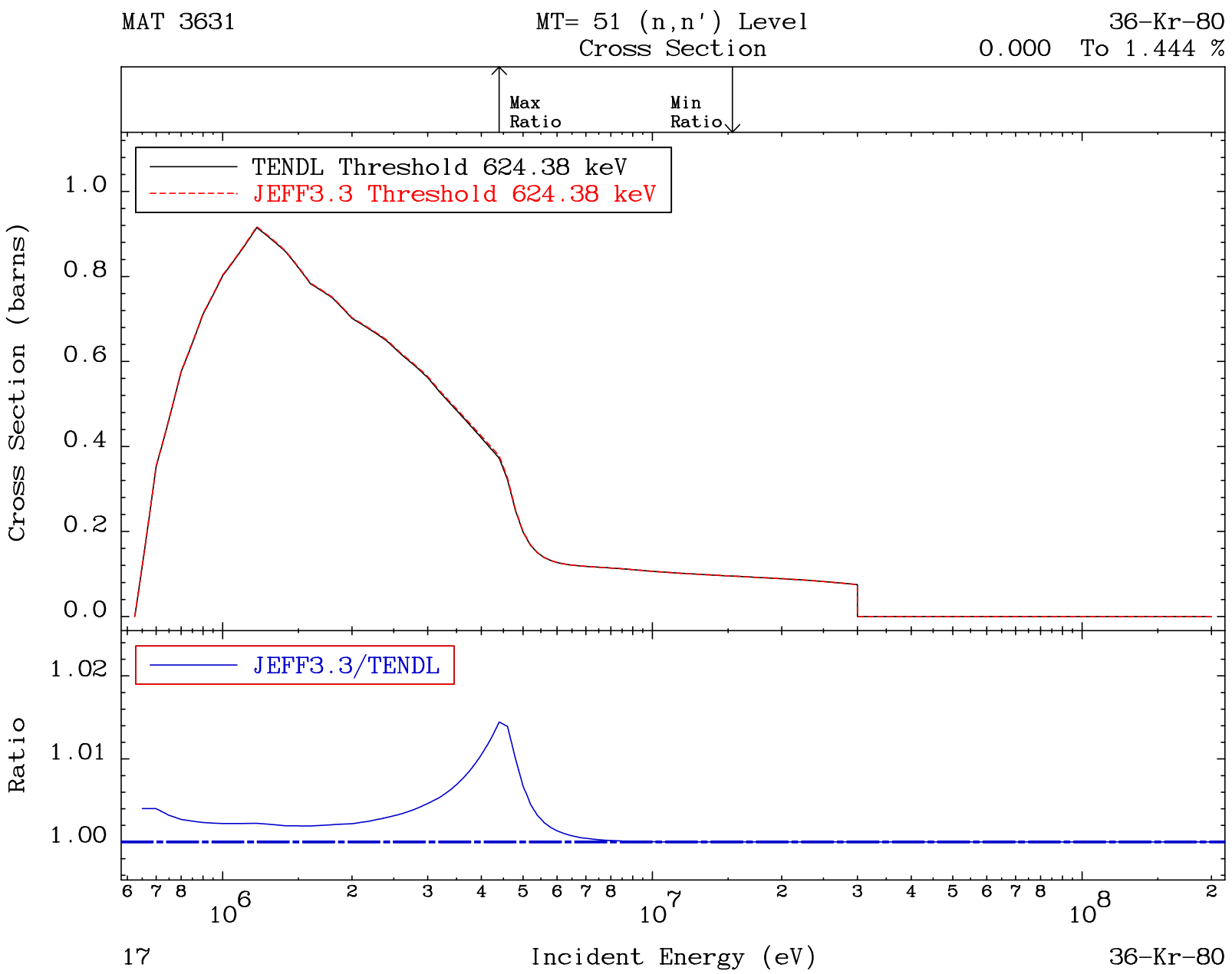

MAT 3631
(n,n') t
Cross Section
36-Kr-80
0.000 To 1381. %
Max Ratio
Min Ratio
TENDL Threshold 19.856 MeV
JEFF3.3 Threshold 19.856 MeV
JEFF3.3/TENDL
Cross Section (milli-barns)
Ratio
Incident Energy (eV)
12
36-Kr-80

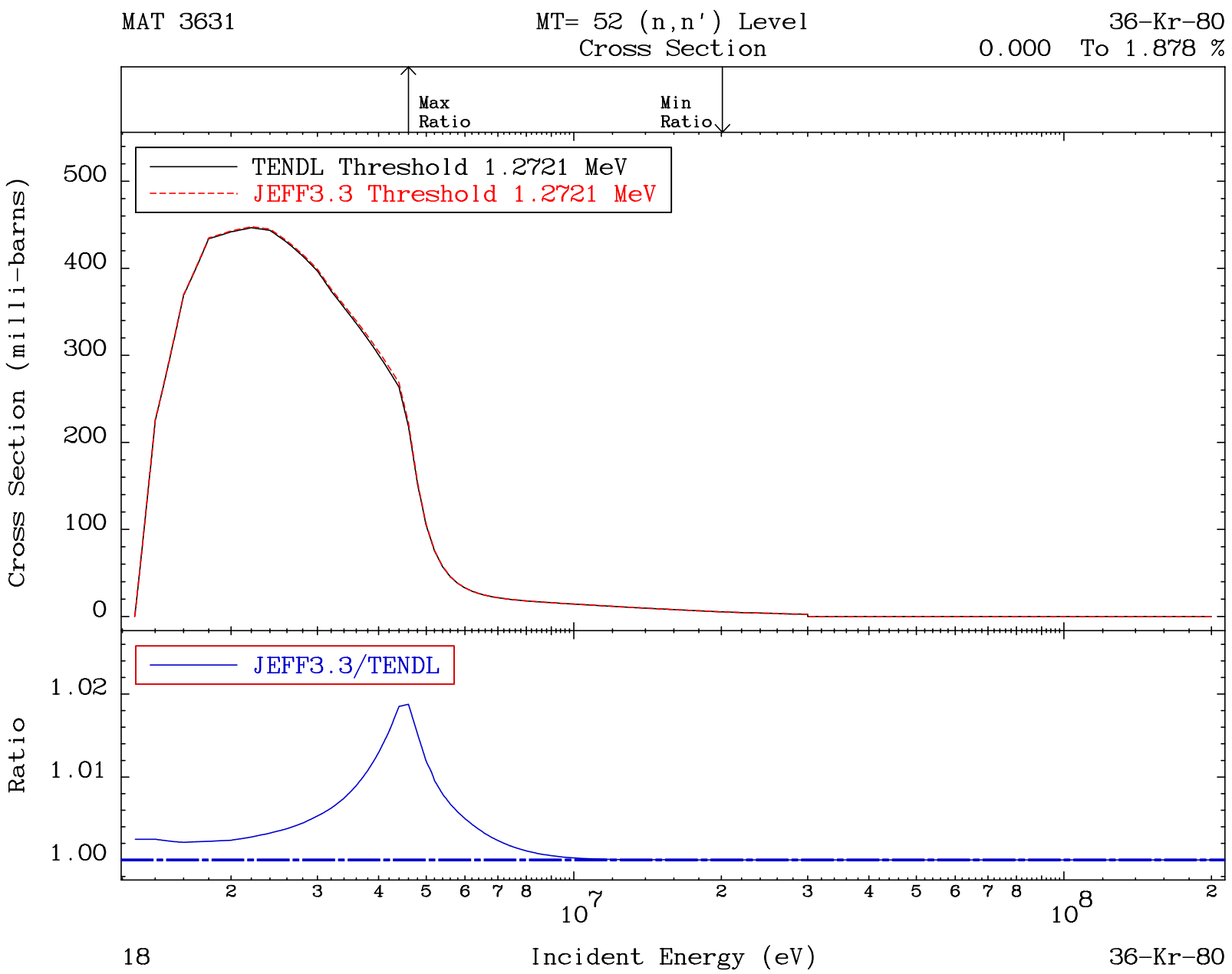

MAT 3631
(n,n') He-3
Cross Section
36-Kr-80
-3.104 To 431.0 %
Max Ratio
Min Ratio
TENDL Threshold 18.455 MeV
JEFF3.3 Threshold 18.455 MeV
Cross Section (micro-barns)
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
6
4
2
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
36-Kr-80

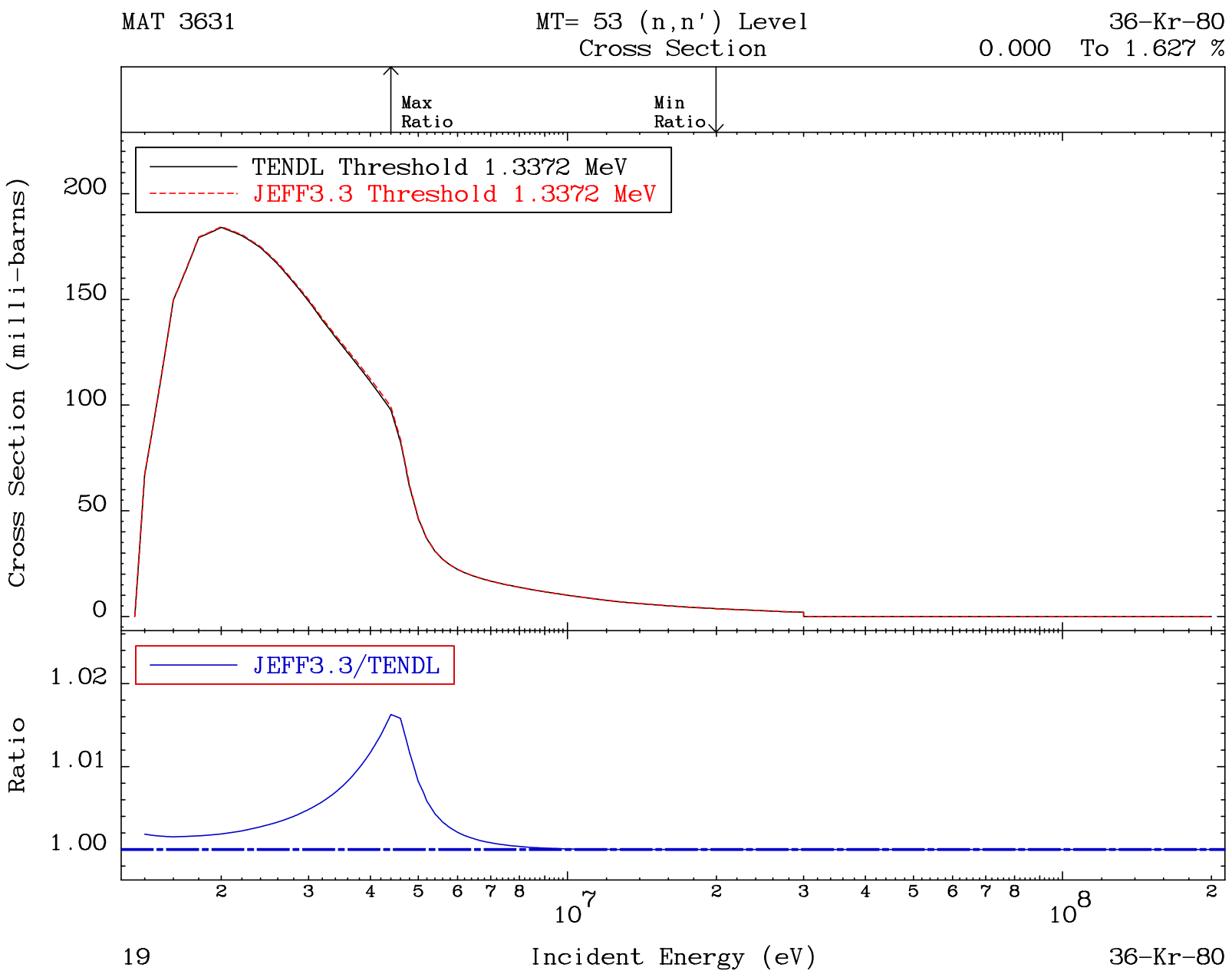

MAT 3631
(n,2n) p
Cross Section
36-Kr-80
0.000 To 9999. %
Min
Ratio
TENDL Threshold 20.052 MeV
JEFF3.3 Threshold 20.052 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^4
10^2
10^0
20
40
60
80
100
120
140
160
180
200
14
Incident Energy (MeV)
36-Kr-80

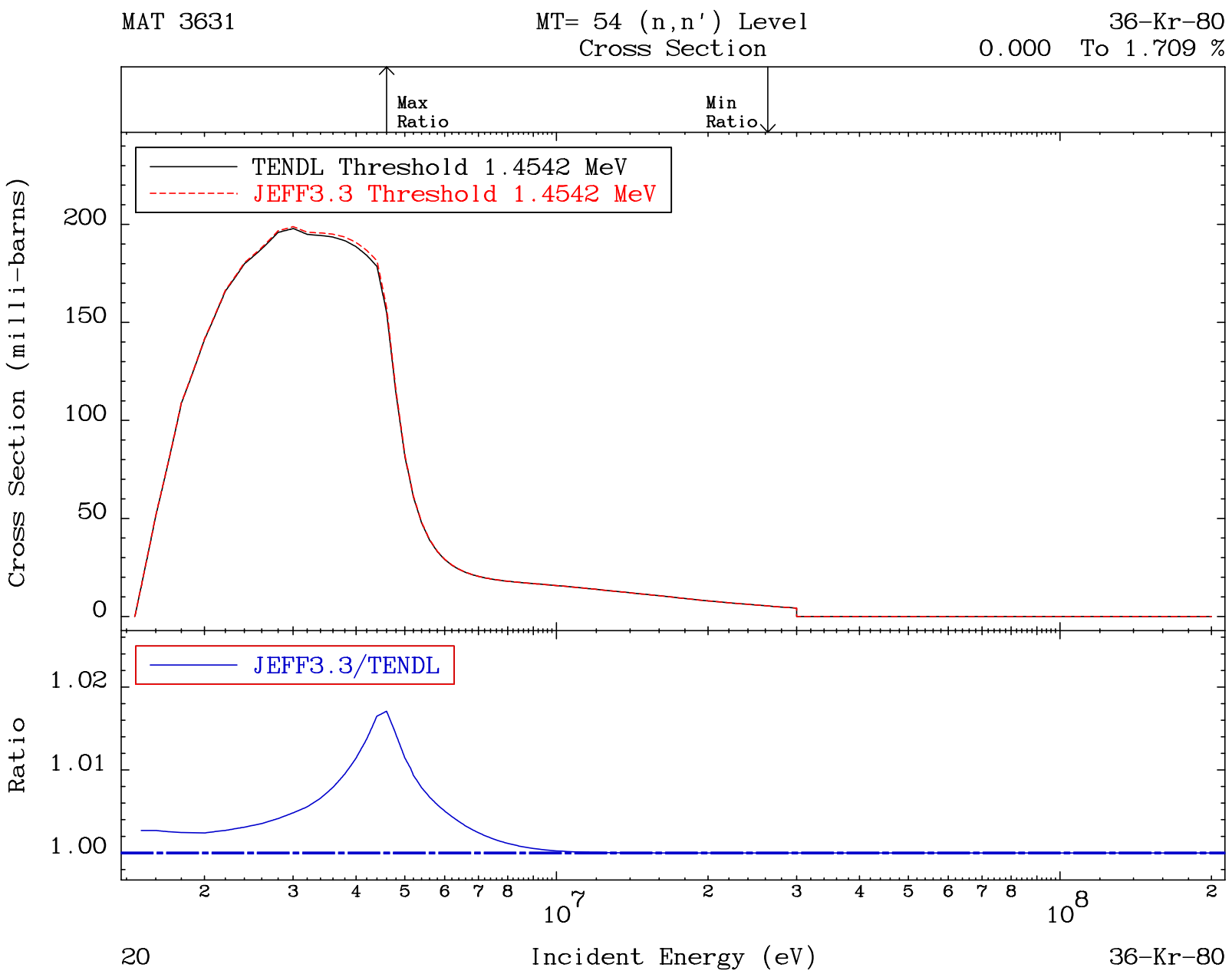

MAT 3631
(n,2n) p
Cross Section
36-Kr-80
-99.83 To 5421. %
Max
Ratio
TENDL Threshold 15.640 MeV
JEFF3.3 Threshold 15.640 MeV
Cross Section (milli-barns)
0
1
2
3
4
JEFF3.3/TENDL
Ratio
10^2
10^0
10^-2
2
3
4
5
6
7
8
9
10^8
2
15
Incident Energy (eV)
36-Kr-80

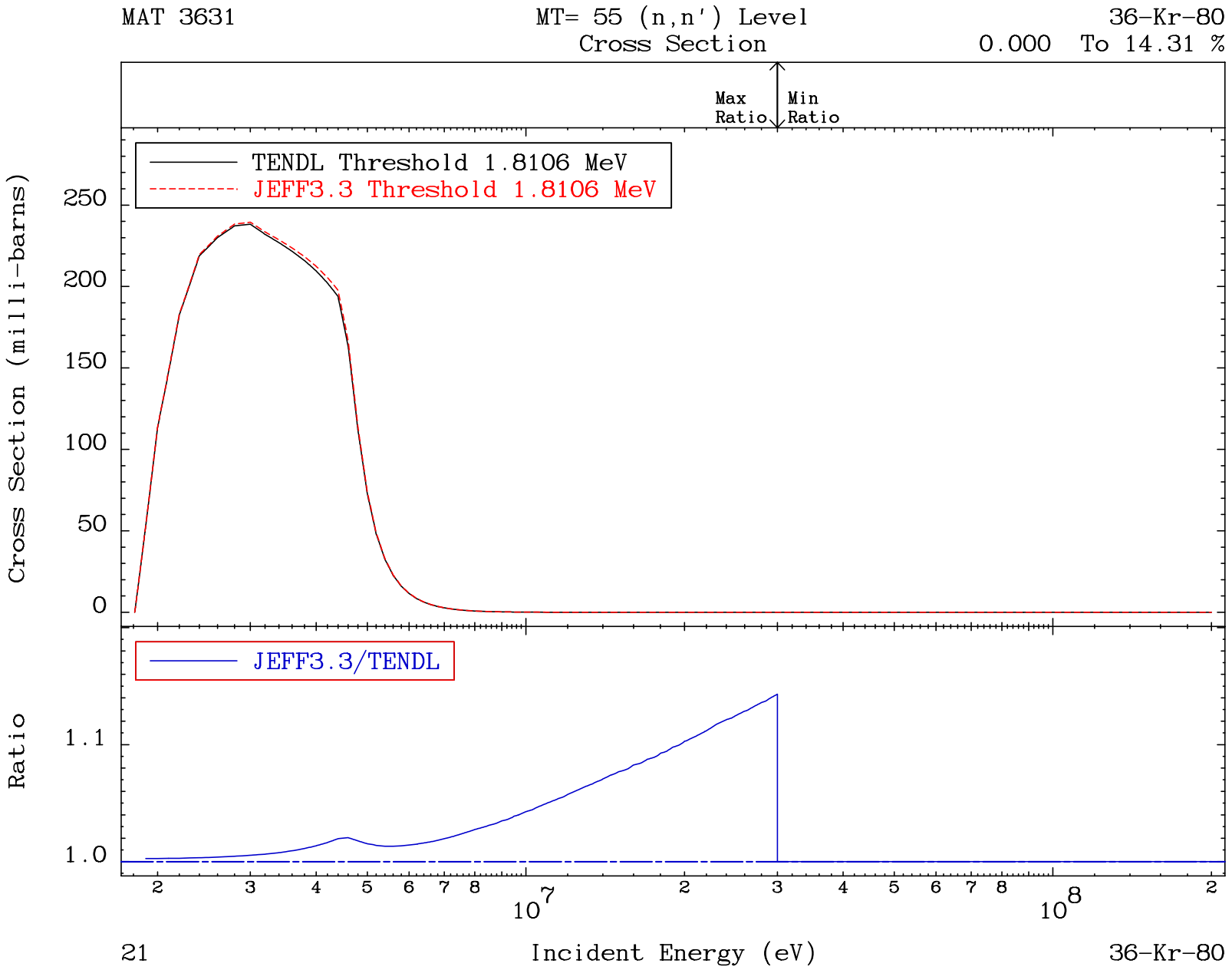

MAT 3631
(n,n') p α
Cross Section
36-Kr-80
-93.71 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 14.757 MeV
JEFF3.3 Threshold 14.757 MeV
Cross Section (micro-barns)
160
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
16
Incident Energy (eV)
36-Kr-80

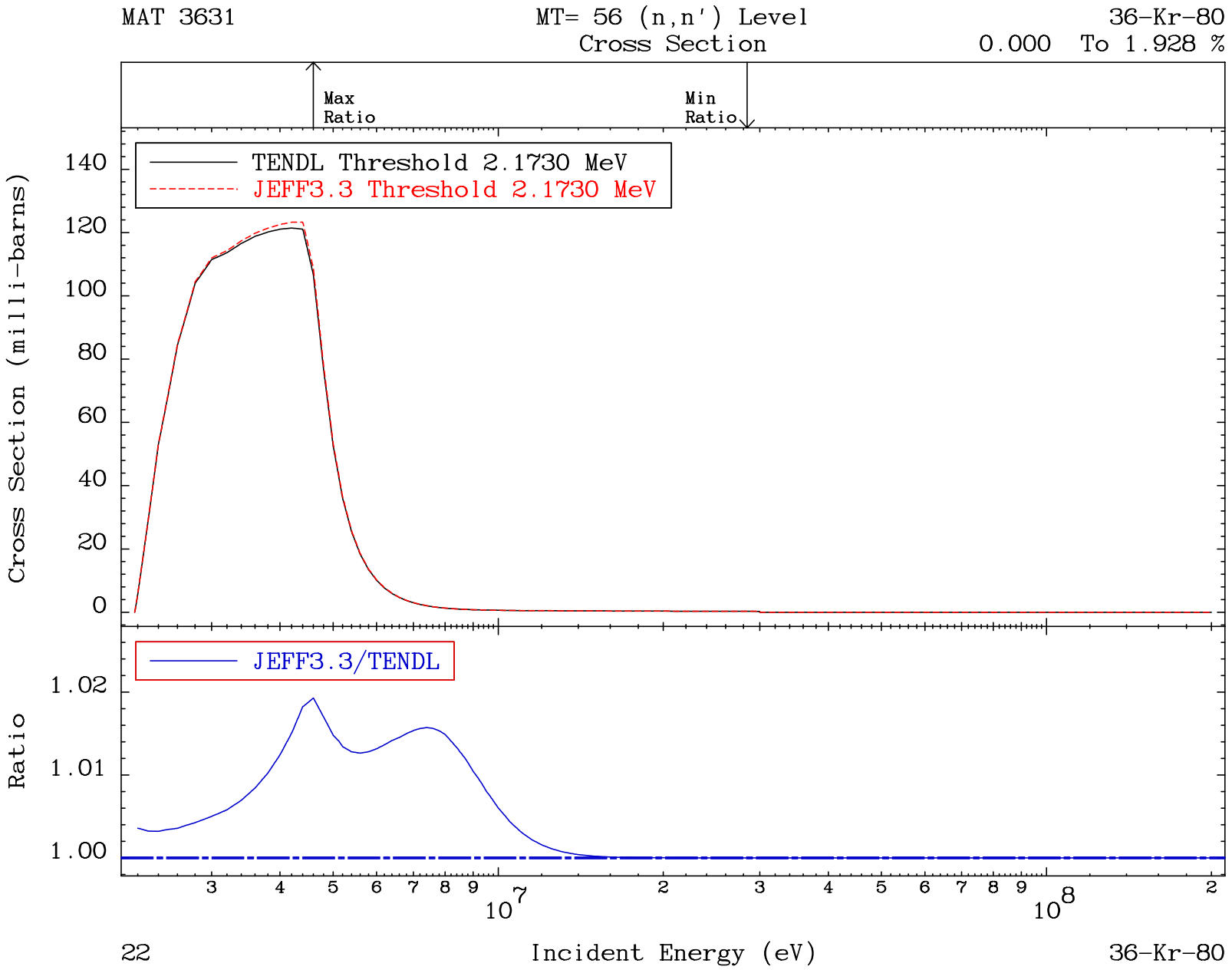

MAT 3631
MT= 51 (n,n') Level
Cross Section
36-Kr-80
0.000 To 1.444 %
Max Ratio
Min Ratio
TENDL Threshold 624.38 keV
JEFF3.3 Threshold 624.38 keV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
17
Incident Energy (eV)
36-Kr-80

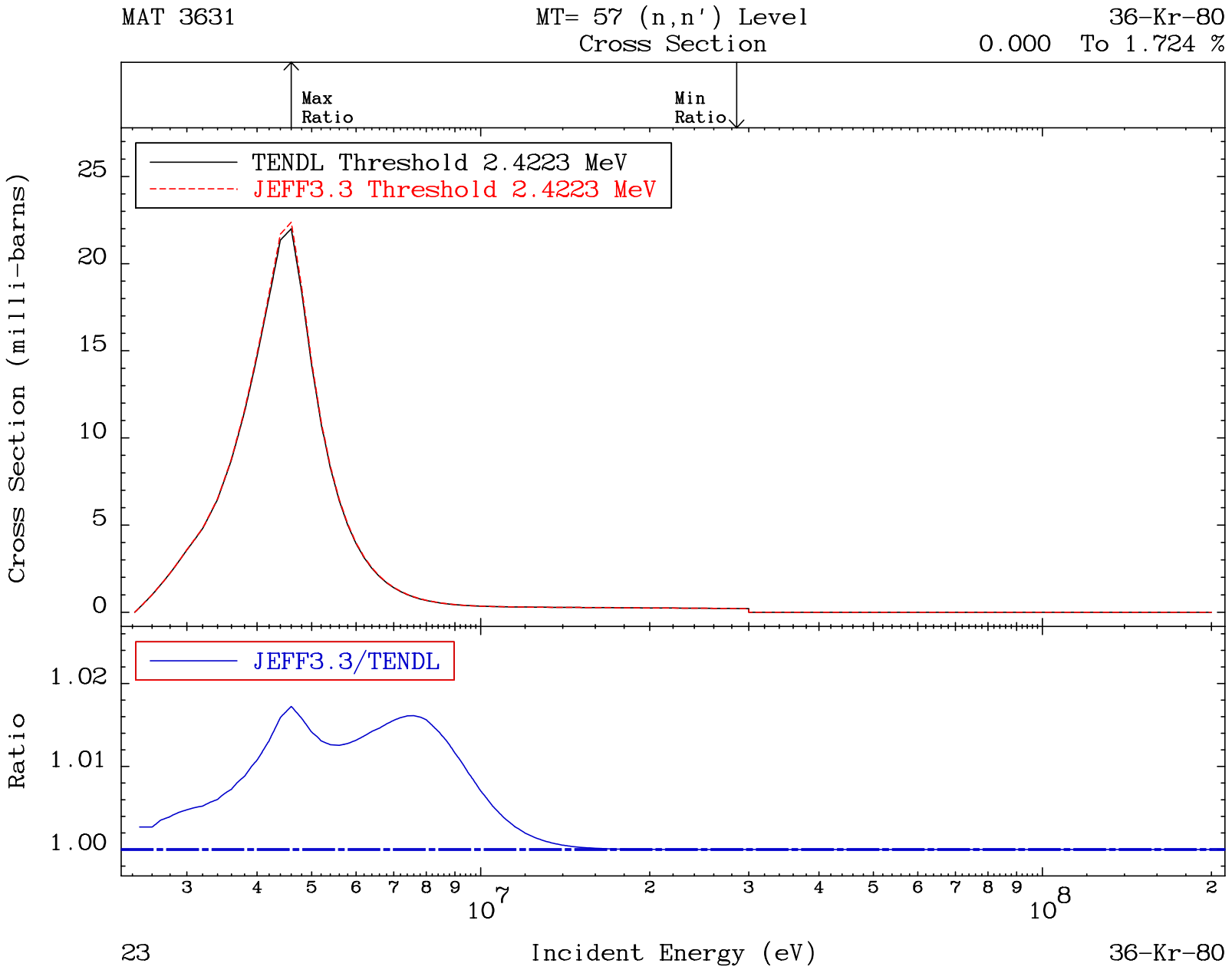

MAT 3631
MT= 52 (n,n') Level
Cross Section
36-Kr-80
0.000 To 1.878 %
Max Ratio
Min Ratio
TENDL Threshold 1.2721 MeV
JEFF3.3 Threshold 1.2721 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
18
Incident Energy (eV)
36-Kr-80

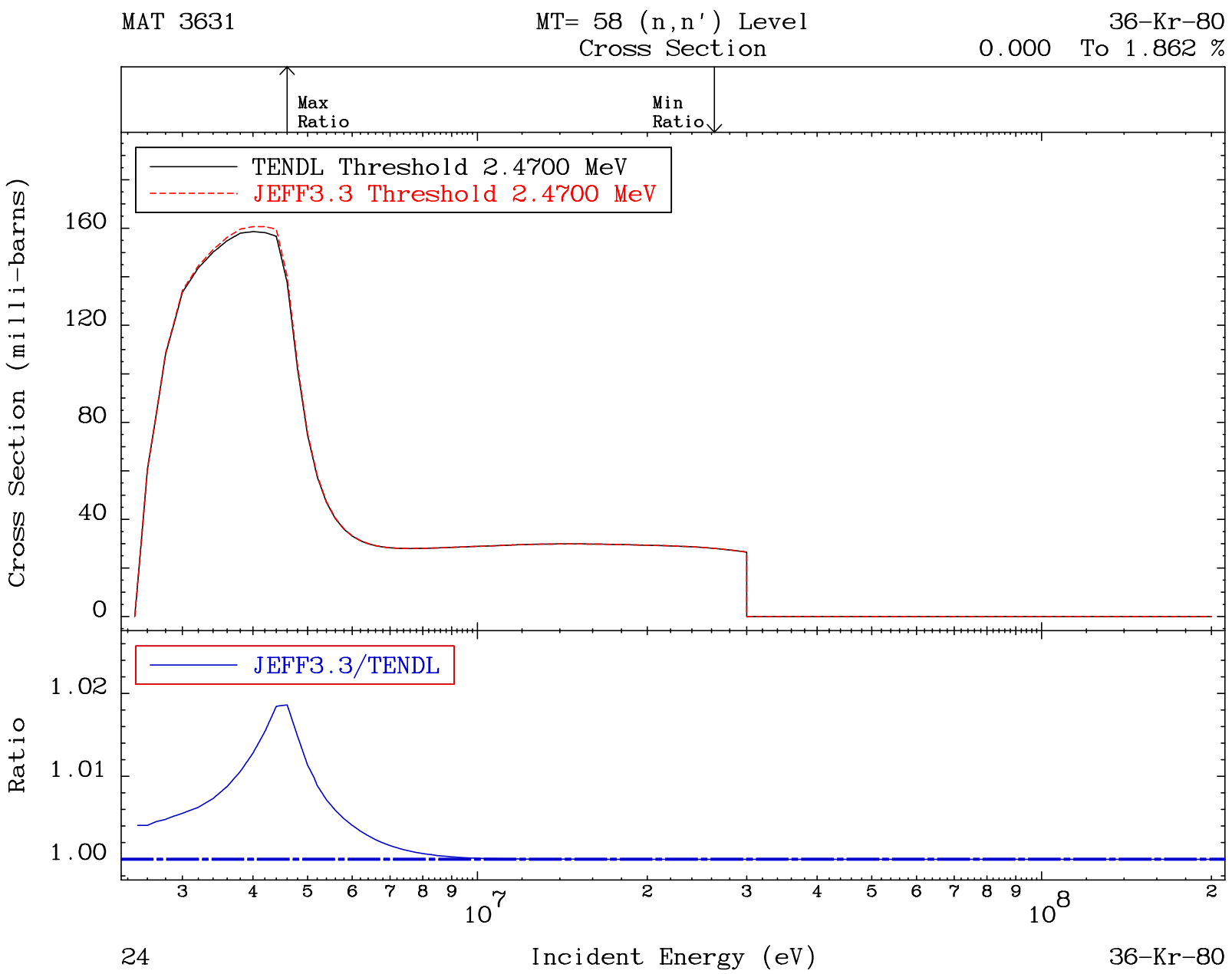

MAT 3631
MT= 53 (n,n') Level
Cross Section
36-Kr-80
0.000 To 1.627 %
Max Ratio
Min Ratio
TENDL Threshold 1.3372 MeV
JEFF3.3 Threshold 1.3372 MeV
Cross Section (milli-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
36-Kr-80

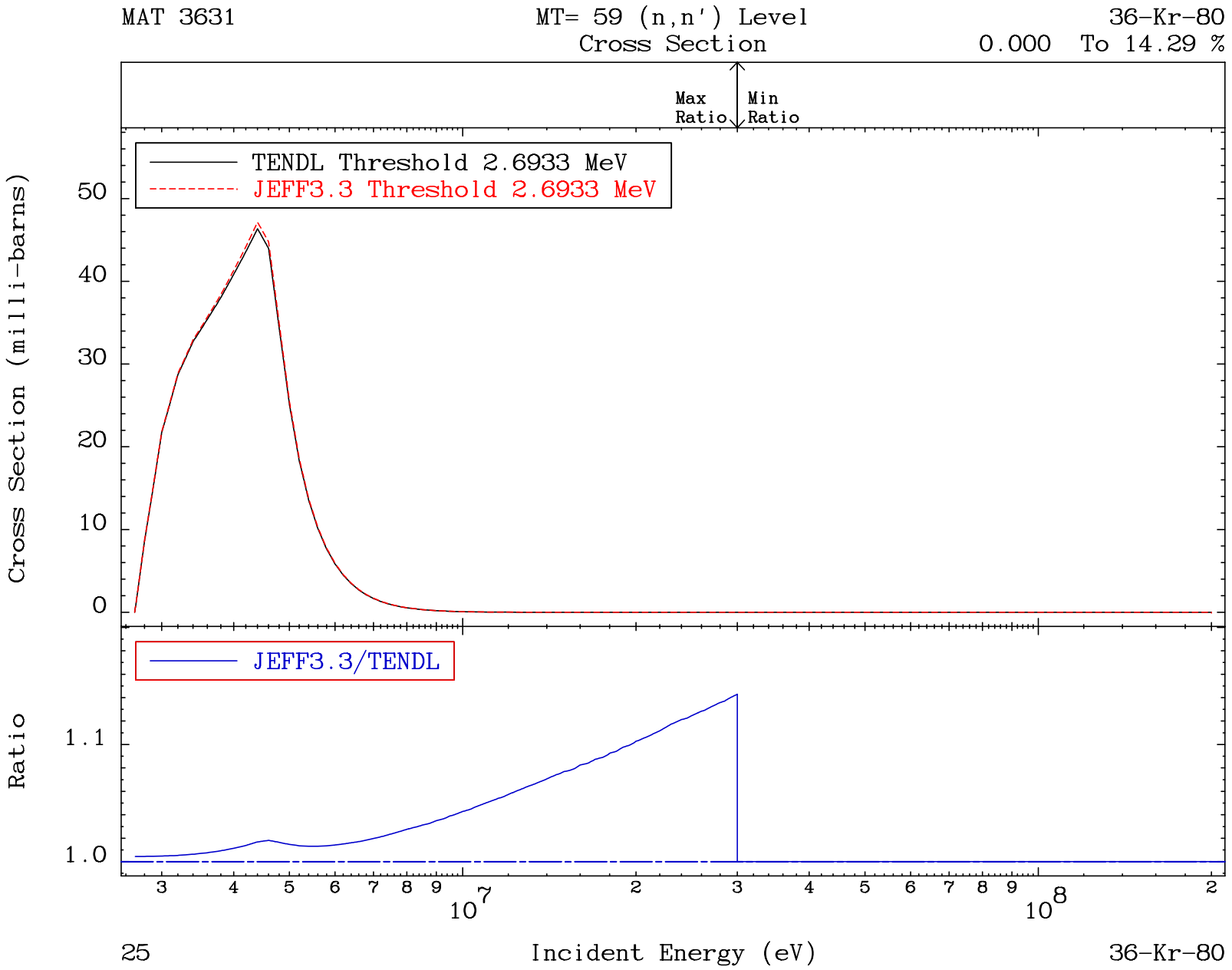

MAT 3631
MT= 54 (n,n') Level
Cross Section
36-Kr-80
0.000 To 1.709 %
Max Ratio
Min Ratio
TENDL Threshold 1.4542 MeV
JEFF3.3 Threshold 1.4542 MeV
Cross Section (milli-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
20
Incident Energy (eV)
36-Kr-80

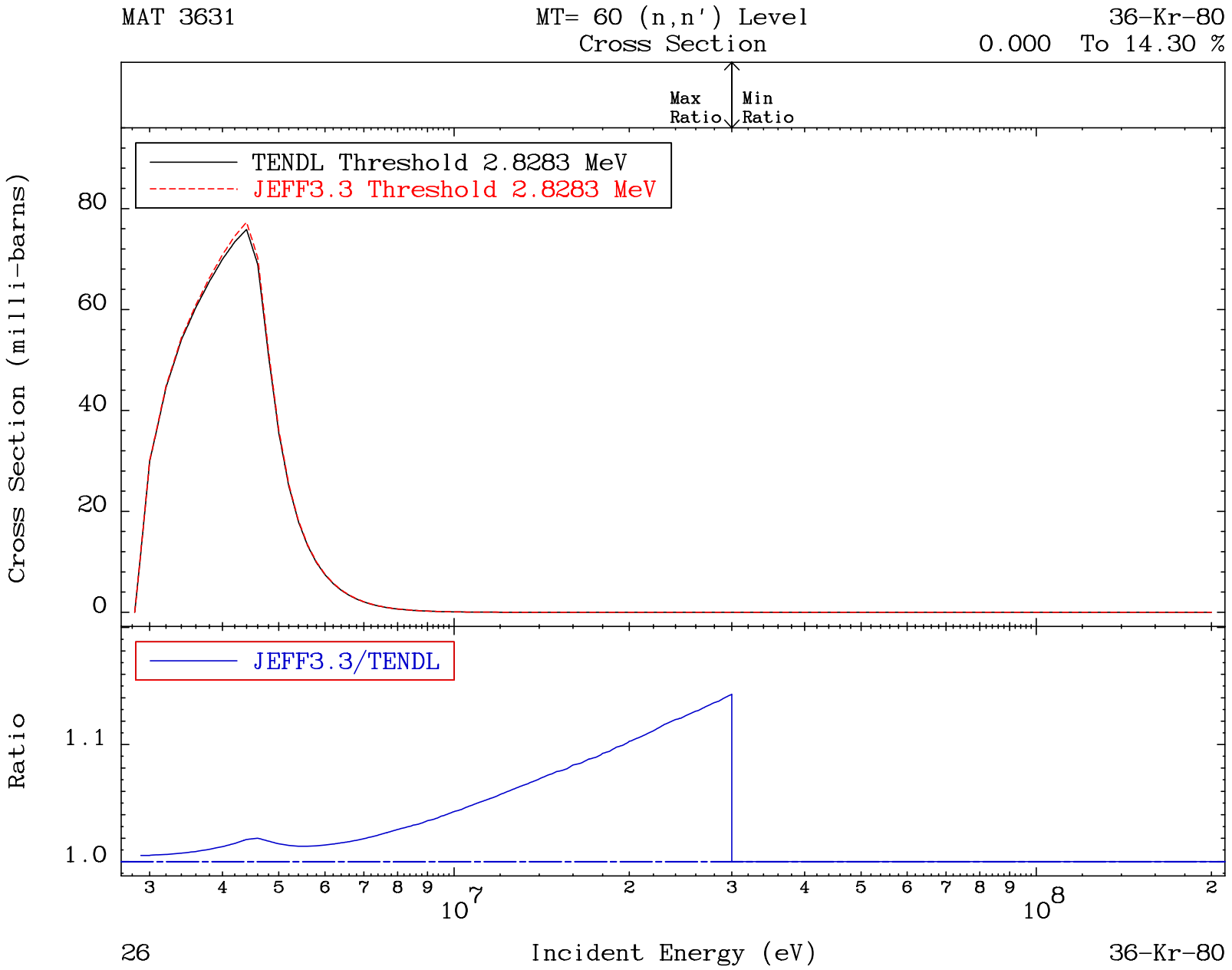

MAT 3631
MT= 55 (n,n') Level
Cross Section
36-Kr-80
0.000 To 14.31 %
Max Ratio
Min Ratio
TENDL Threshold 1.8106 MeV
JEFF3.3 Threshold 1.8106 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.1
1.0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
21
Incident Energy (eV)
36-Kr-80

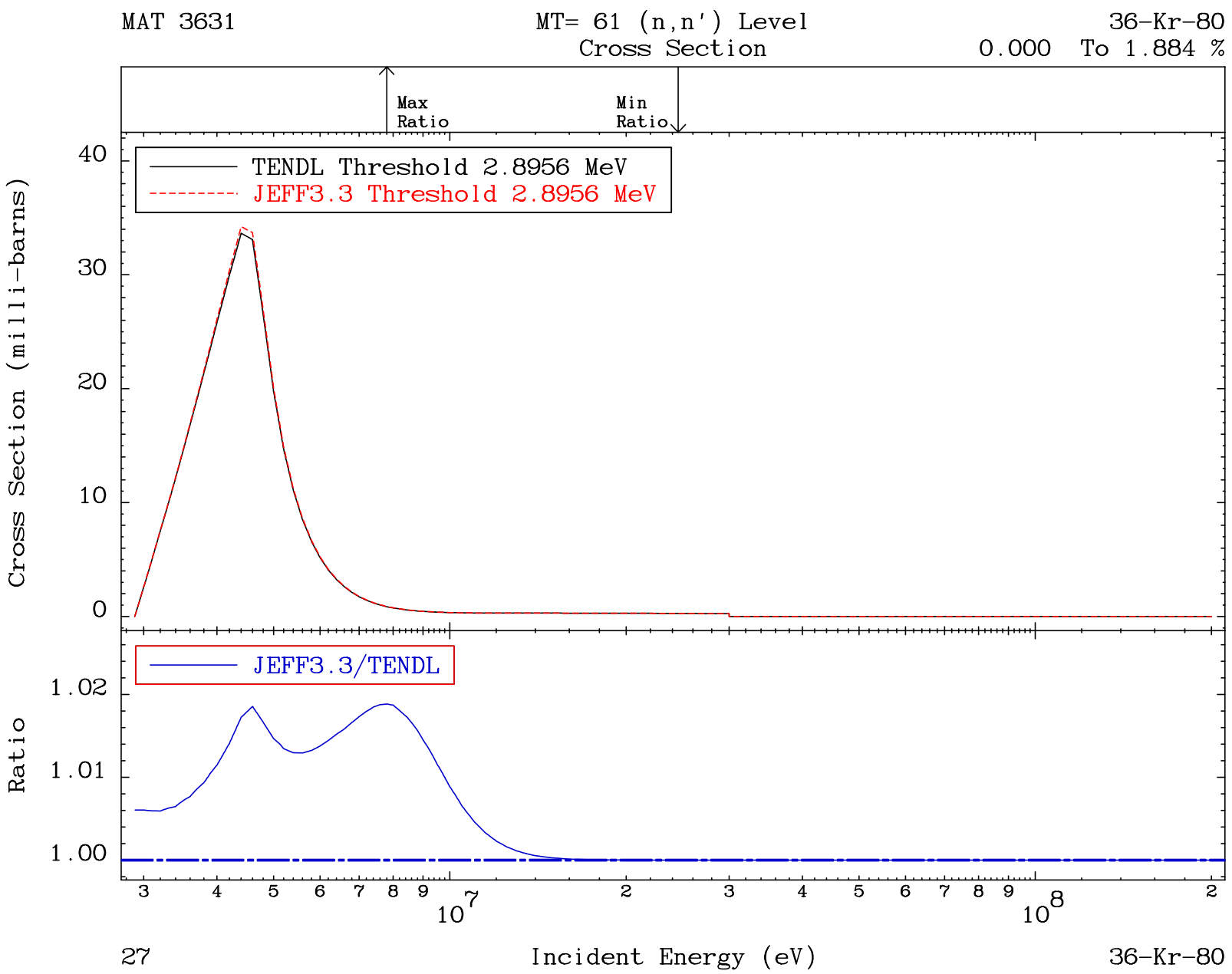

MAT 3631
MT= 56 (n,n') Level
Cross Section
36-Kr-80
0.000 To 1.928 %
Max Ratio
Min Ratio
TENDL Threshold 2.1730 MeV
JEFF3.3 Threshold 2.1730 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
22
Incident Energy (eV)
36-Kr-80

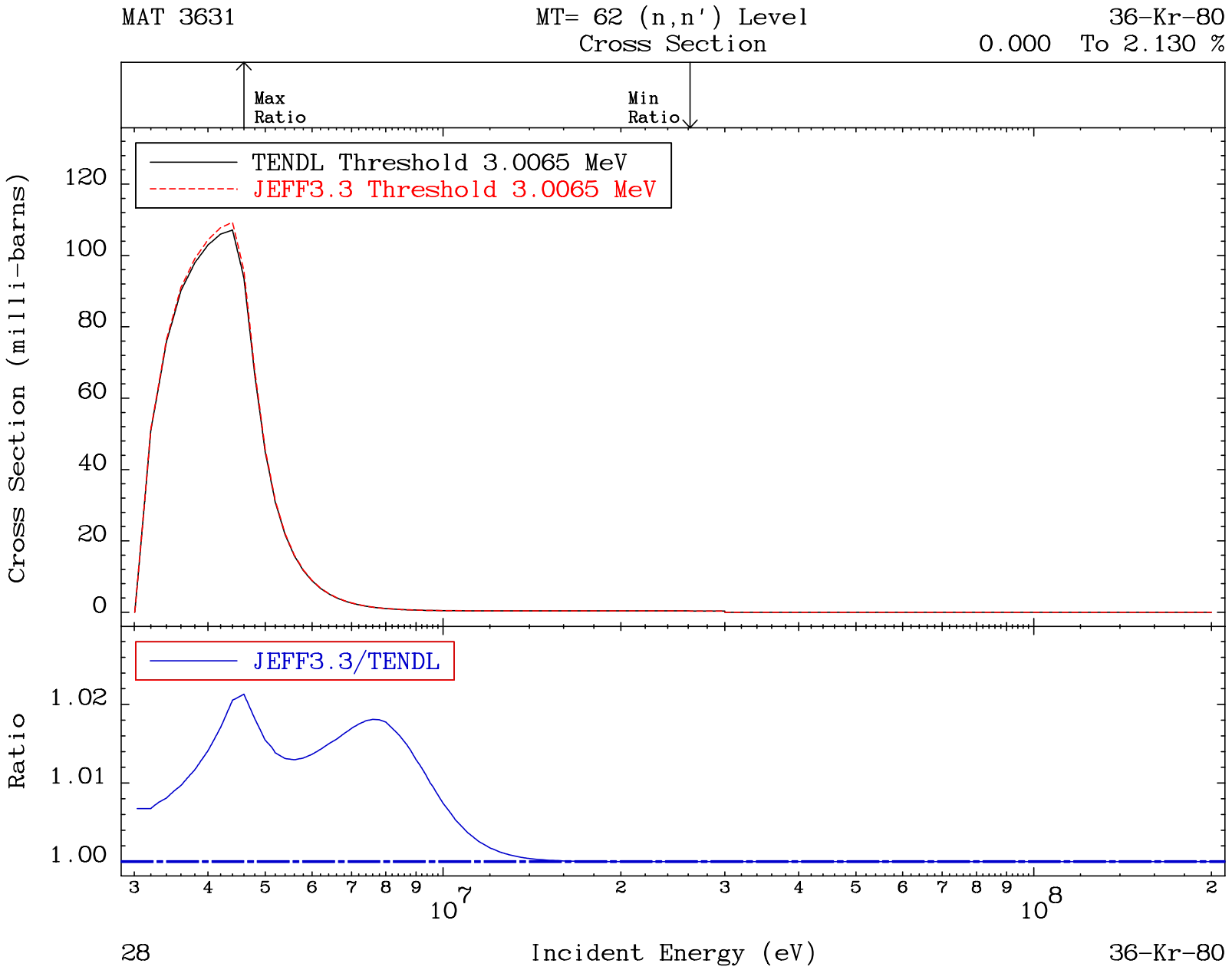

MAT 3631
MT= 57 (n,n') Level
Cross Section
36-Kr-80
0.000 To 1.724 %
Max Ratio
Min Ratio
TENDL Threshold 2.4223 MeV
JEFF3.3 Threshold 2.4223 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
23
Incident Energy (eV)
36-Kr-80

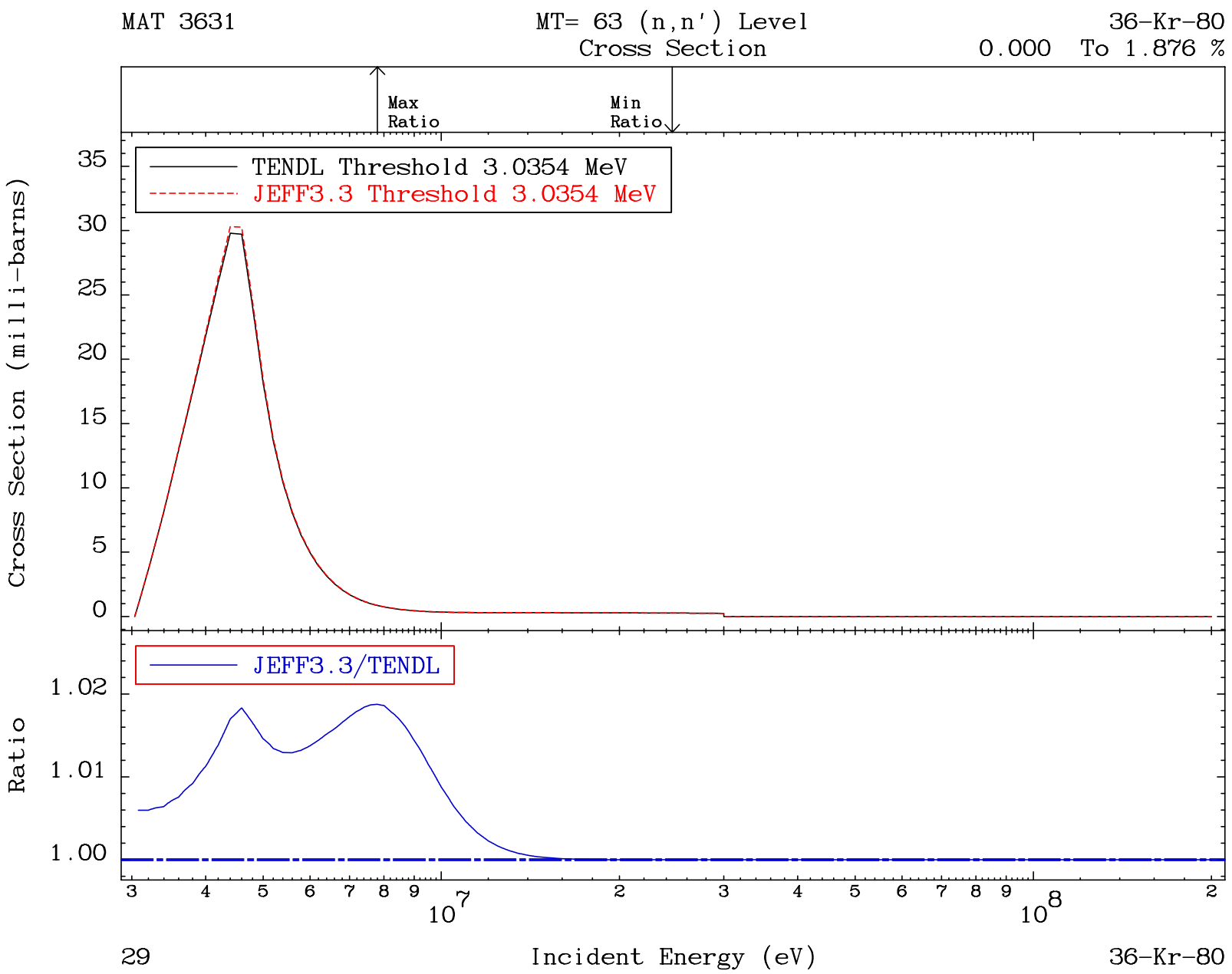

MAT 3631
MT= 58 (n,n') Level
Cross Section
36-Kr-80
0.000 To 1.862 %
Max Ratio
Min Ratio
TENDL Threshold 2.4700 MeV
JEFF3.3 Threshold 2.4700 MeV
Cross Section (milli-barns)
160
120
80
40
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
24
Incident Energy (eV)
36-Kr-80

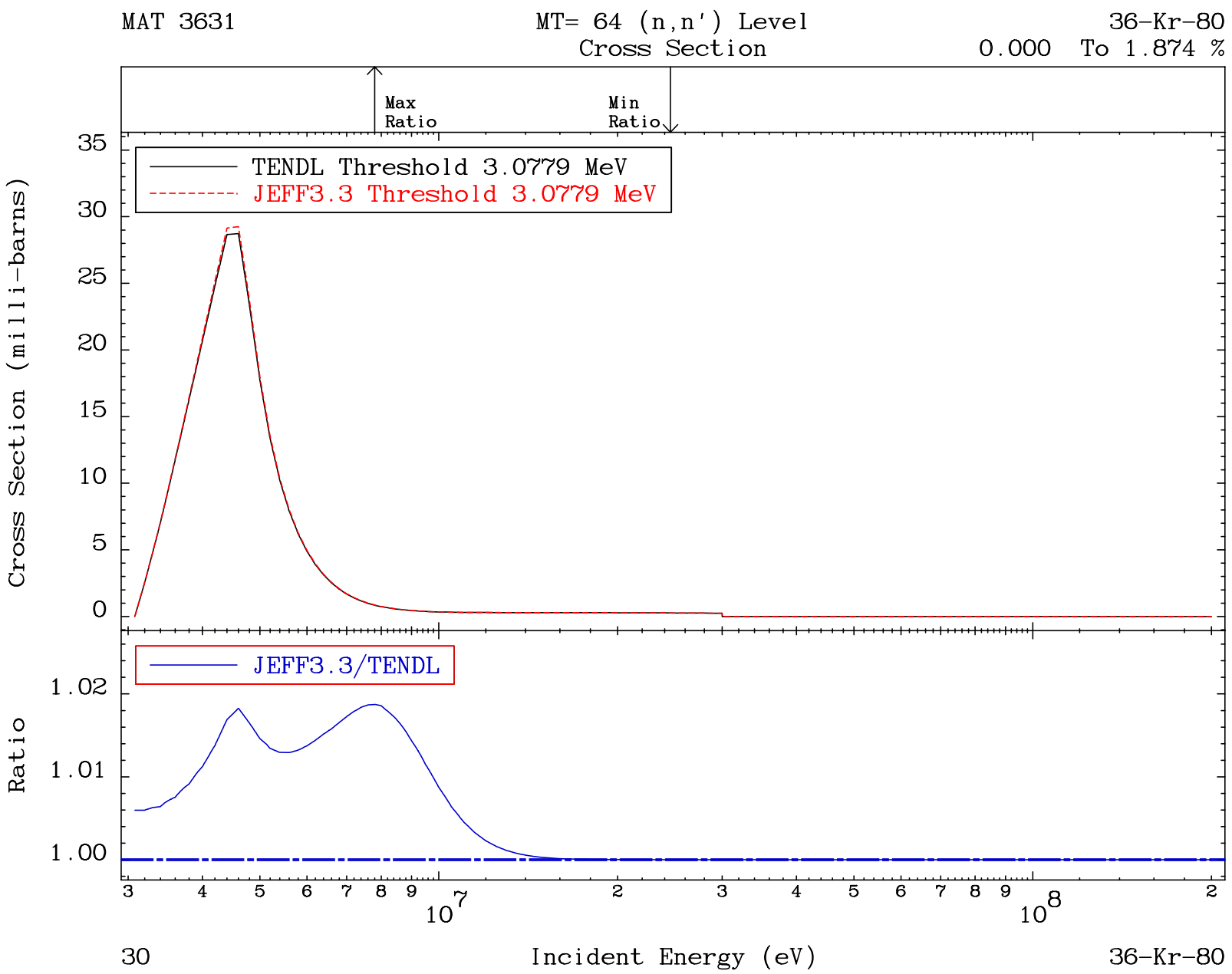

MAT 3631
MT= 59 (n,n') Level
Cross Section
36-Kr-80
0.000 To 14.29 %
Max Ratio
Min Ratio
TENDL Threshold 2.6933 MeV
JEFF3.3 Threshold 2.6933 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.1
1.0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
25
Incident Energy (eV)
36-Kr-80

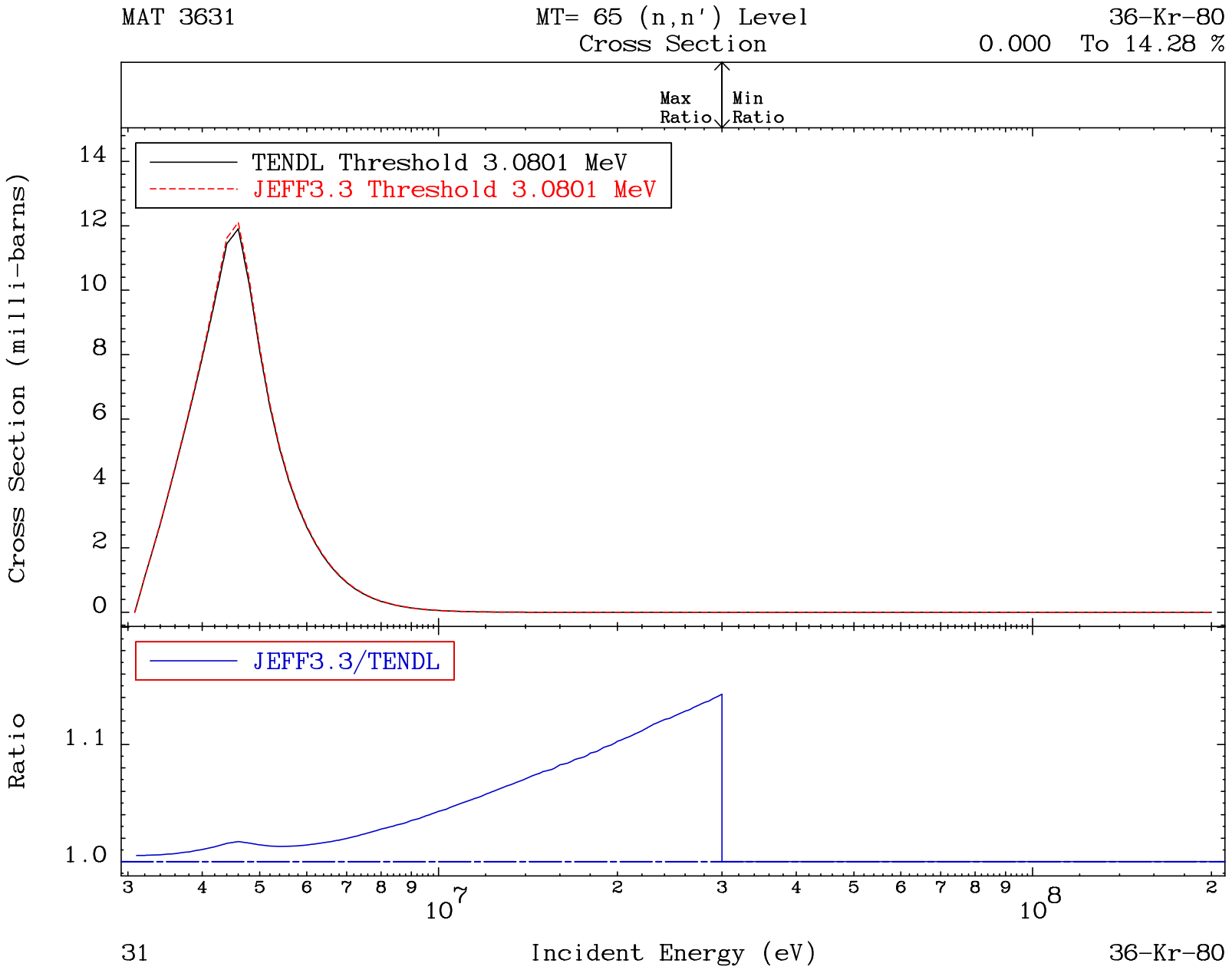

MAT 3631
MT= 60 (n,n') Level
Cross Section
36-Kr-80
0.000 To 14.30 %
Max Ratio
Min Ratio
TENDL Threshold 2.8283 MeV
JEFF3.3 Threshold 2.8283 MeV
Cross Section (milli-barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.1
1.0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
26
Incident Energy (eV)
36-Kr-80

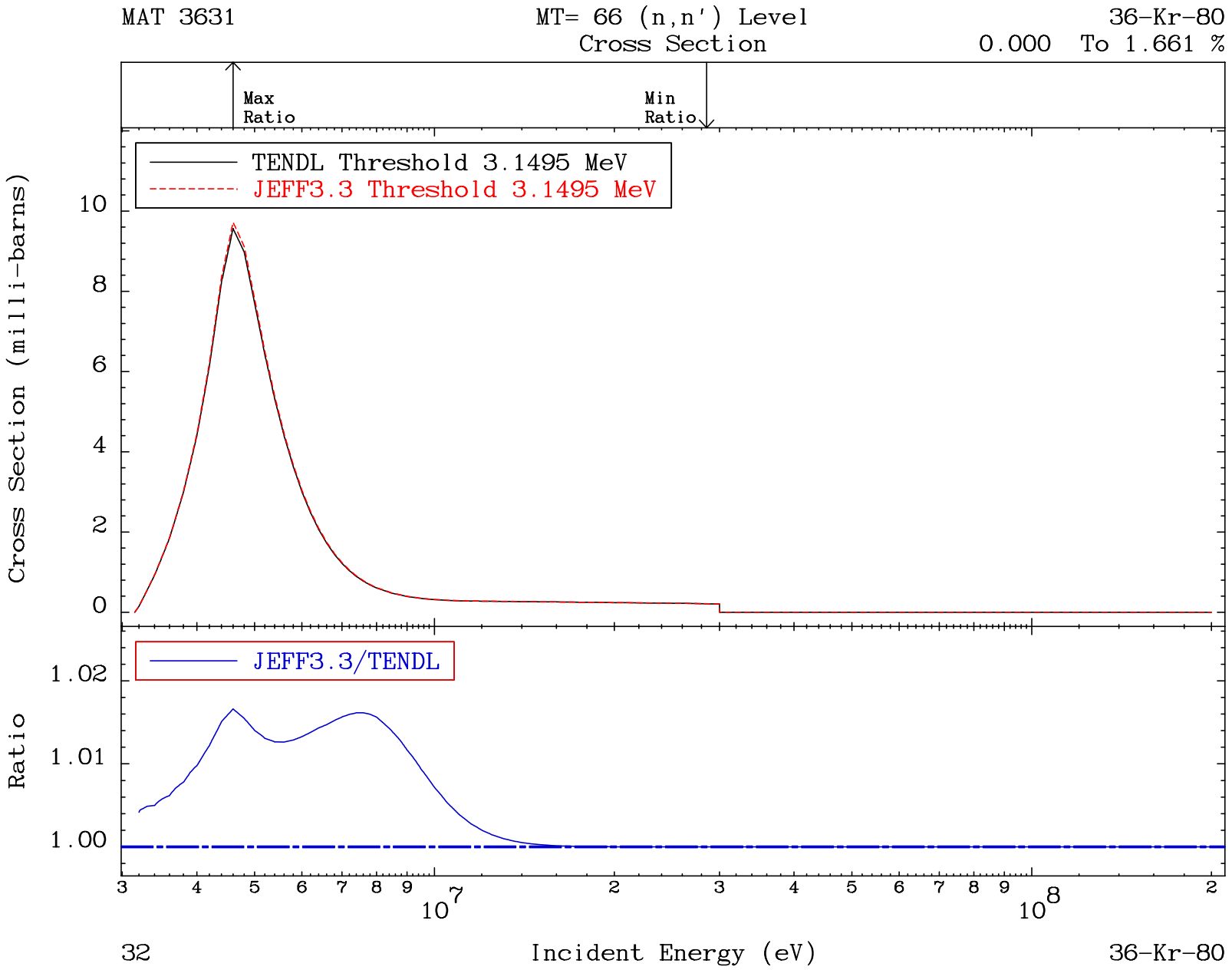

MAT 3631
MT= 61 (n,n') Level
Cross Section
36-Kr-80
0.000 To 1.884 %
Max Ratio
Min Ratio
TENDL Threshold 2.8956 MeV
JEFF3.3 Threshold 2.8956 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
27
Incident Energy (eV)
36-Kr-80

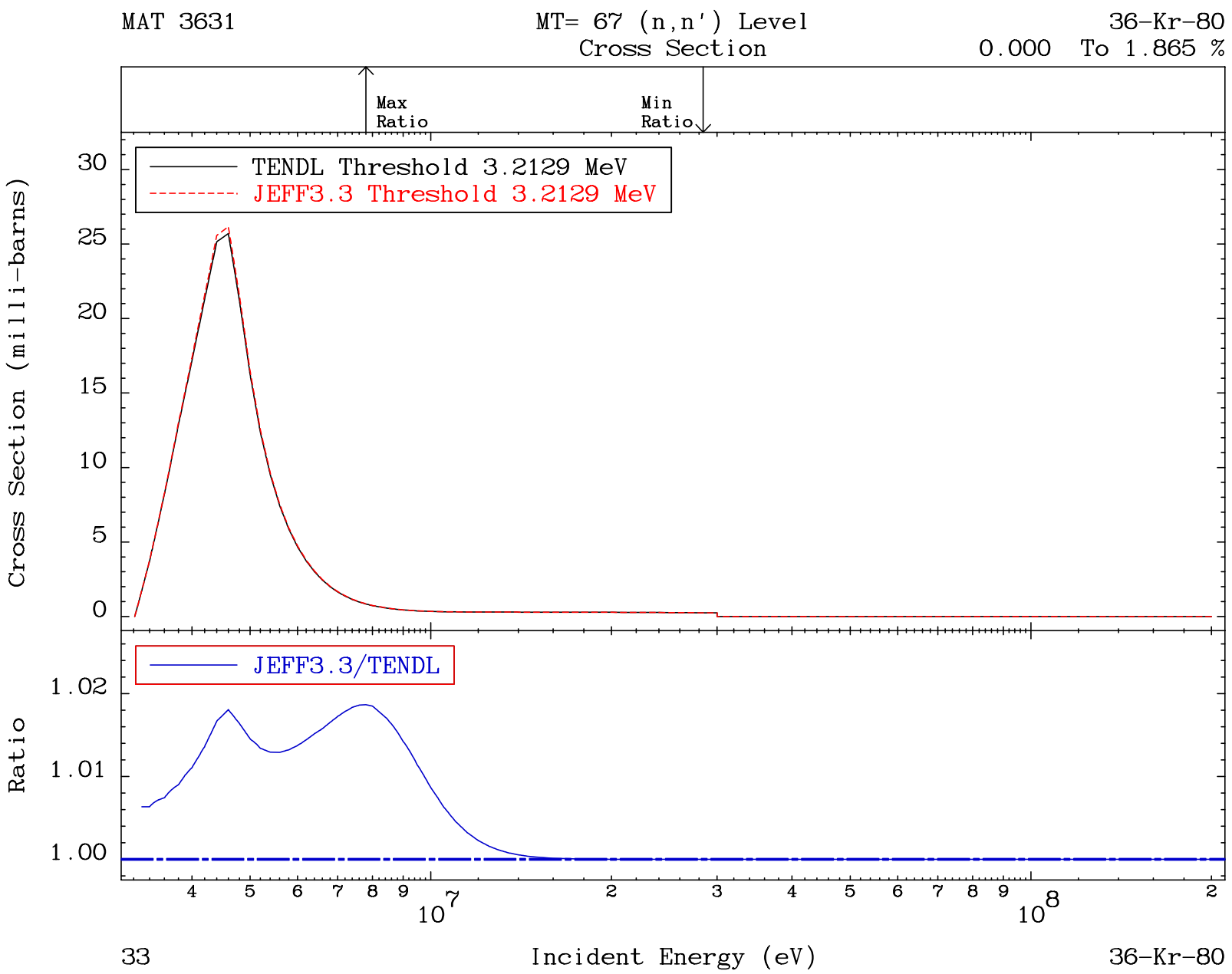

MAT 3631
MT= 62 (n,n') Level
Cross Section
36-Kr-80
0.000 To 2.130 %
Max Ratio
Min Ratio
TENDL Threshold 3.0065 MeV
JEFF3.3 Threshold 3.0065 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
28
Incident Energy (eV)
36-Kr-80

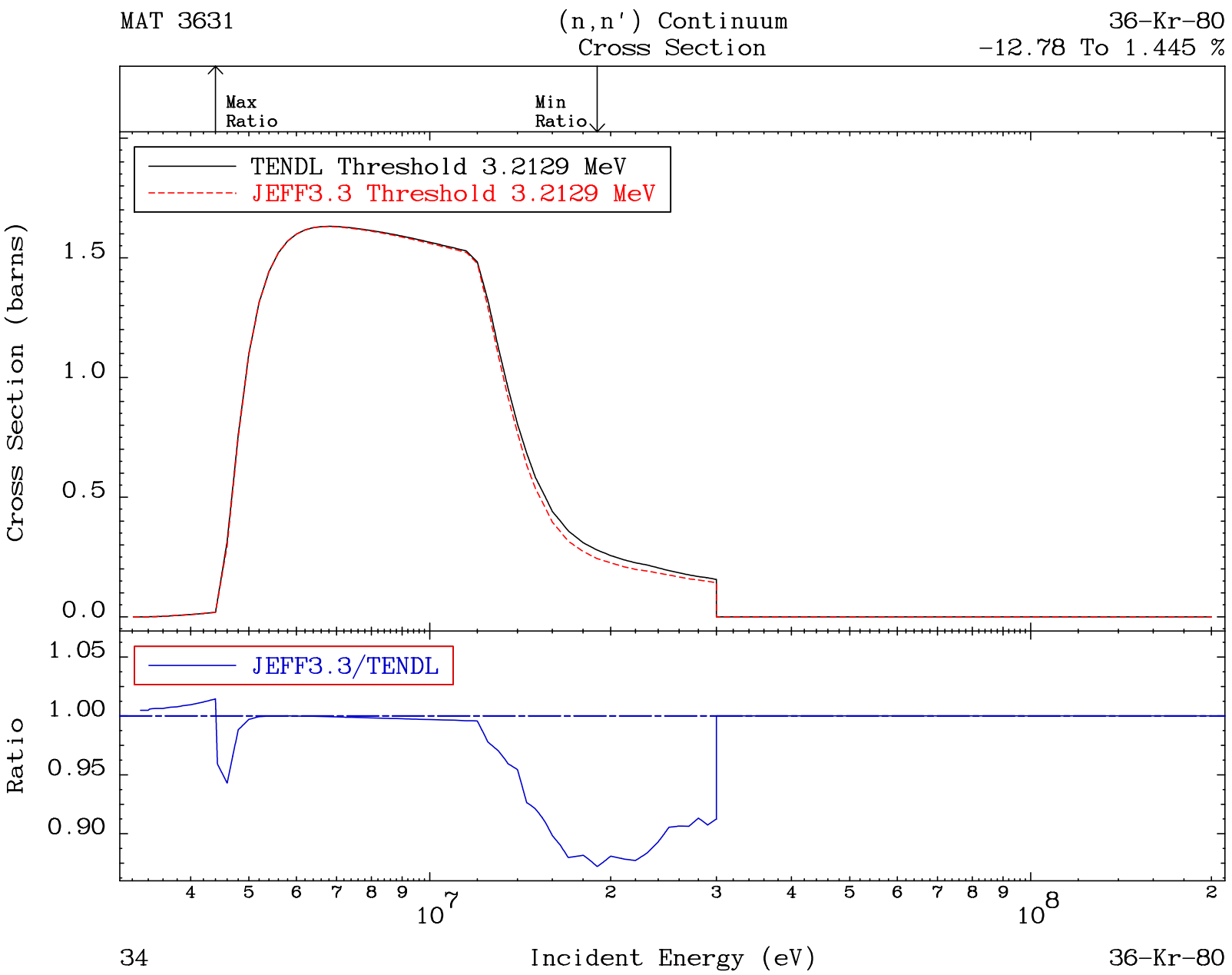

MAT 3631
MT= 63 (n,n') Level
Cross Section
36-Kr-80
0.000 To 1.876 %
Max Ratio
Min Ratio
TENDL Threshold 3.0354 MeV
JEFF3.3 Threshold 3.0354 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
29
Incident Energy (eV)
36-Kr-80

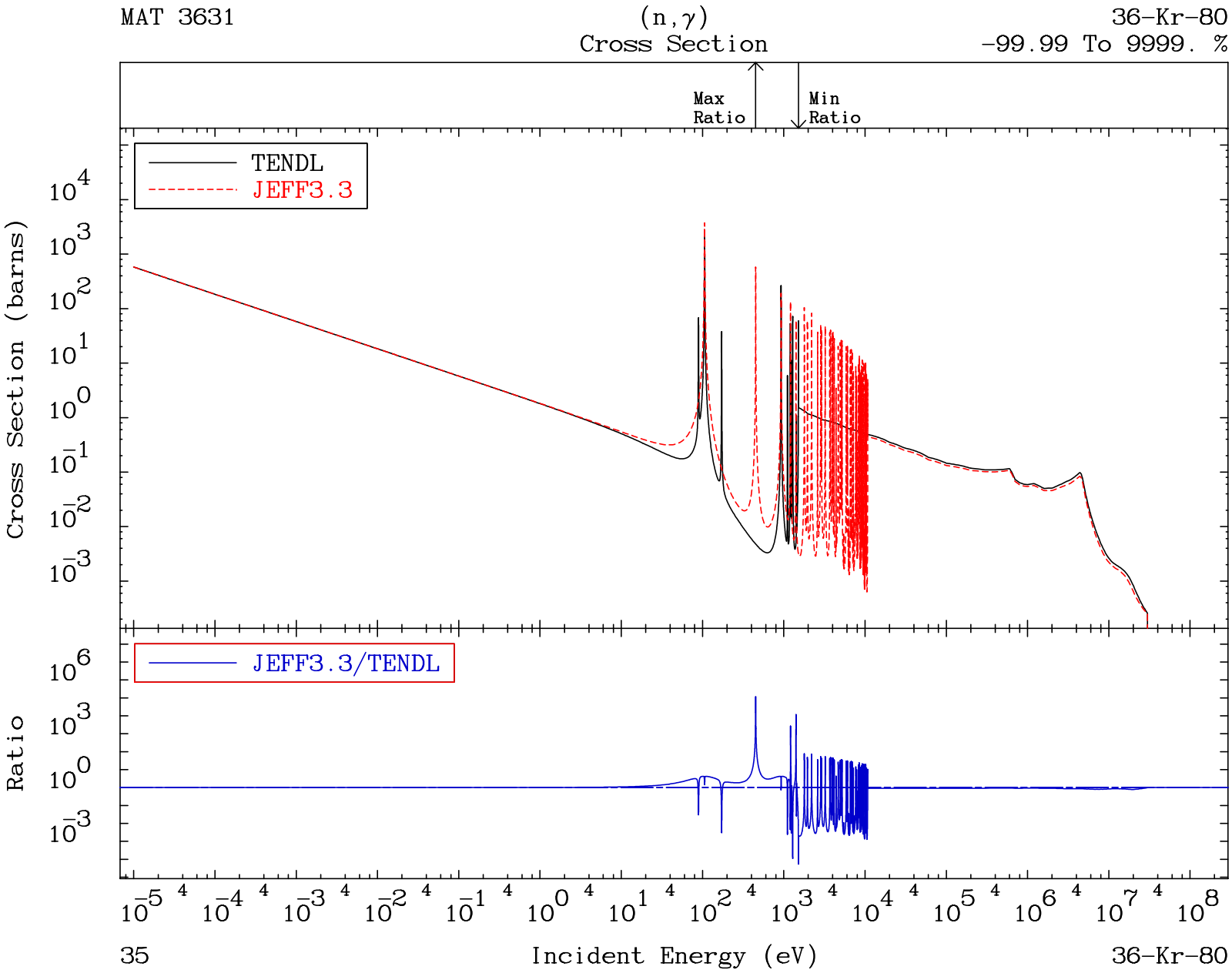

MAT 3631
MT= 64 (n,n') Level
Cross Section
36-Kr-80
0.000 To 1.874 %
Max Ratio
Min Ratio
TENDL Threshold 3.0779 MeV
JEFF3.3 Threshold 3.0779 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
30
Incident Energy (eV)
36-Kr-80

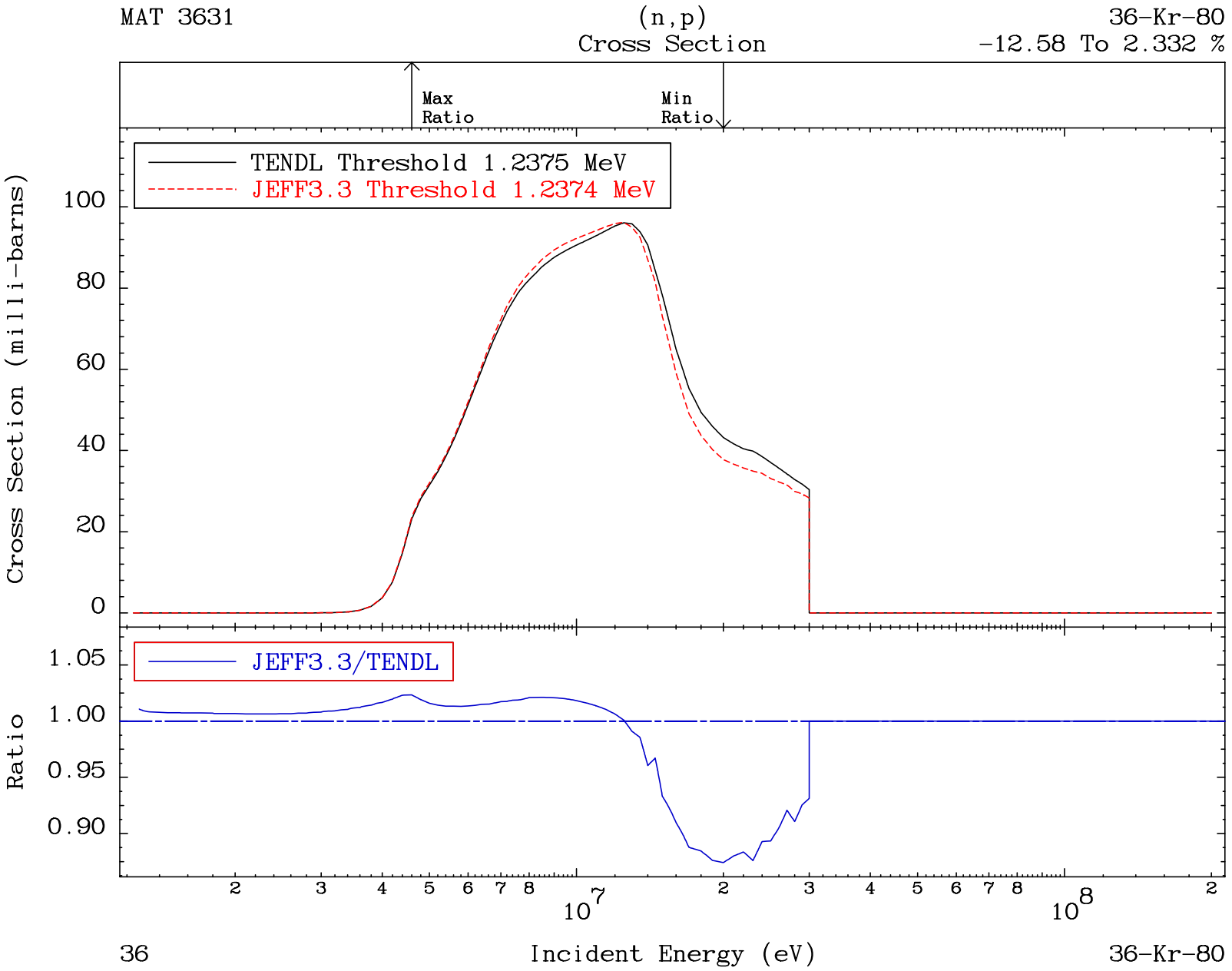

MAT 3631
MT= 65 (n,n') Level
Cross Section
36-Kr-80
0.000 To 14.28 %
Max Ratio
Min Ratio
TENDL Threshold 3.0801 MeV
JEFF3.3 Threshold 3.0801 MeV
Cross Section (milli-barns)
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.1
1.0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
31
Incident Energy (eV)
36-Kr-80

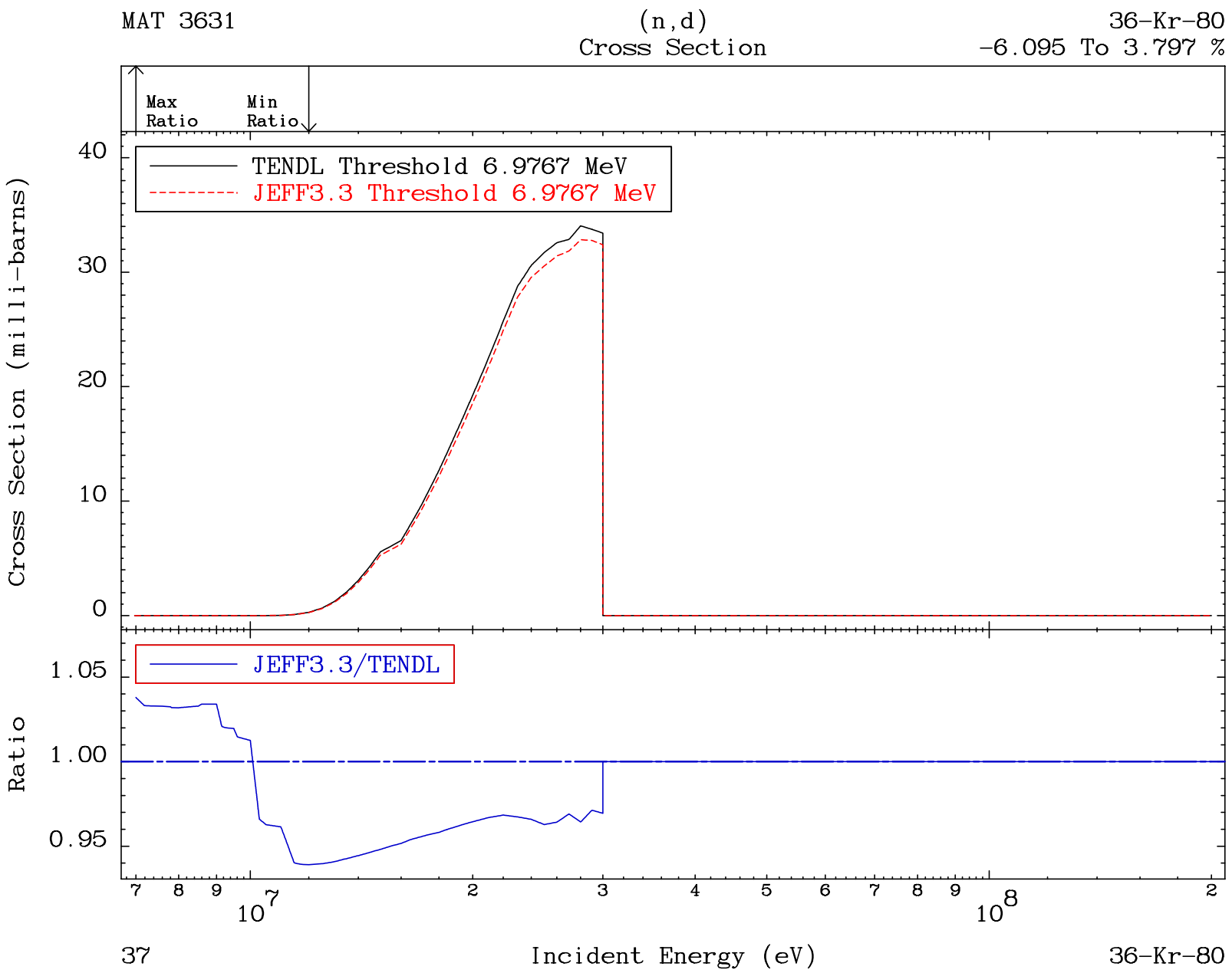

MAT 3631
MT= 66 (n,n') Level
Cross Section
36-Kr-80
0.000 To 1.661 %
Max Ratio
Min Ratio
TENDL Threshold 3.1495 MeV
JEFF3.3 Threshold 3.1495 MeV
Cross Section (milli-barns)
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
32
36-Kr-80

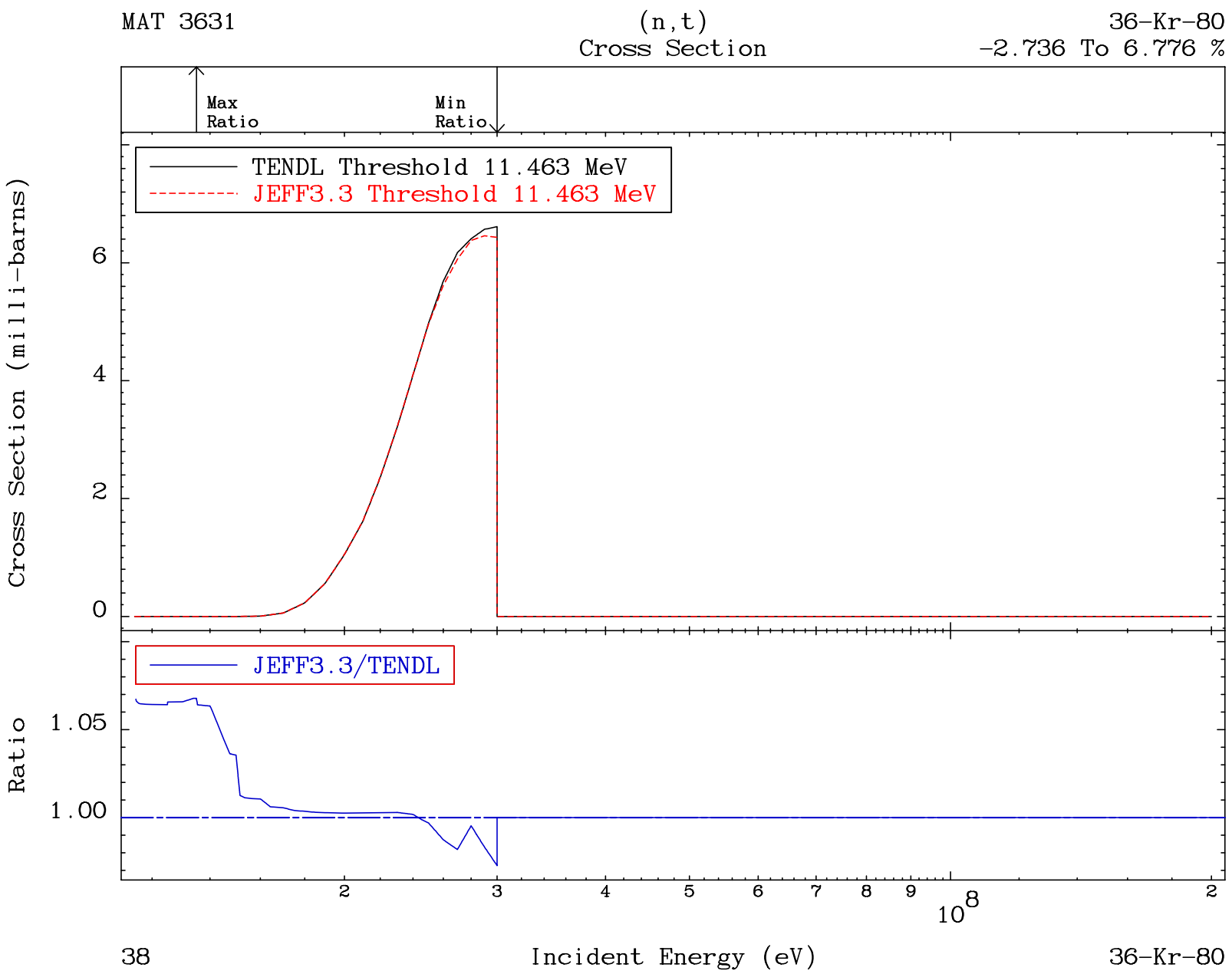

MAT 3631
MT= 67 (n,n') Level
Cross Section
36-Kr-80
0.000 To 1.865 %
Max Ratio
Min Ratio
TENDL Threshold 3.2129 MeV
JEFF3.3 Threshold 3.2129 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
33
Incident Energy (eV)
36-Kr-80

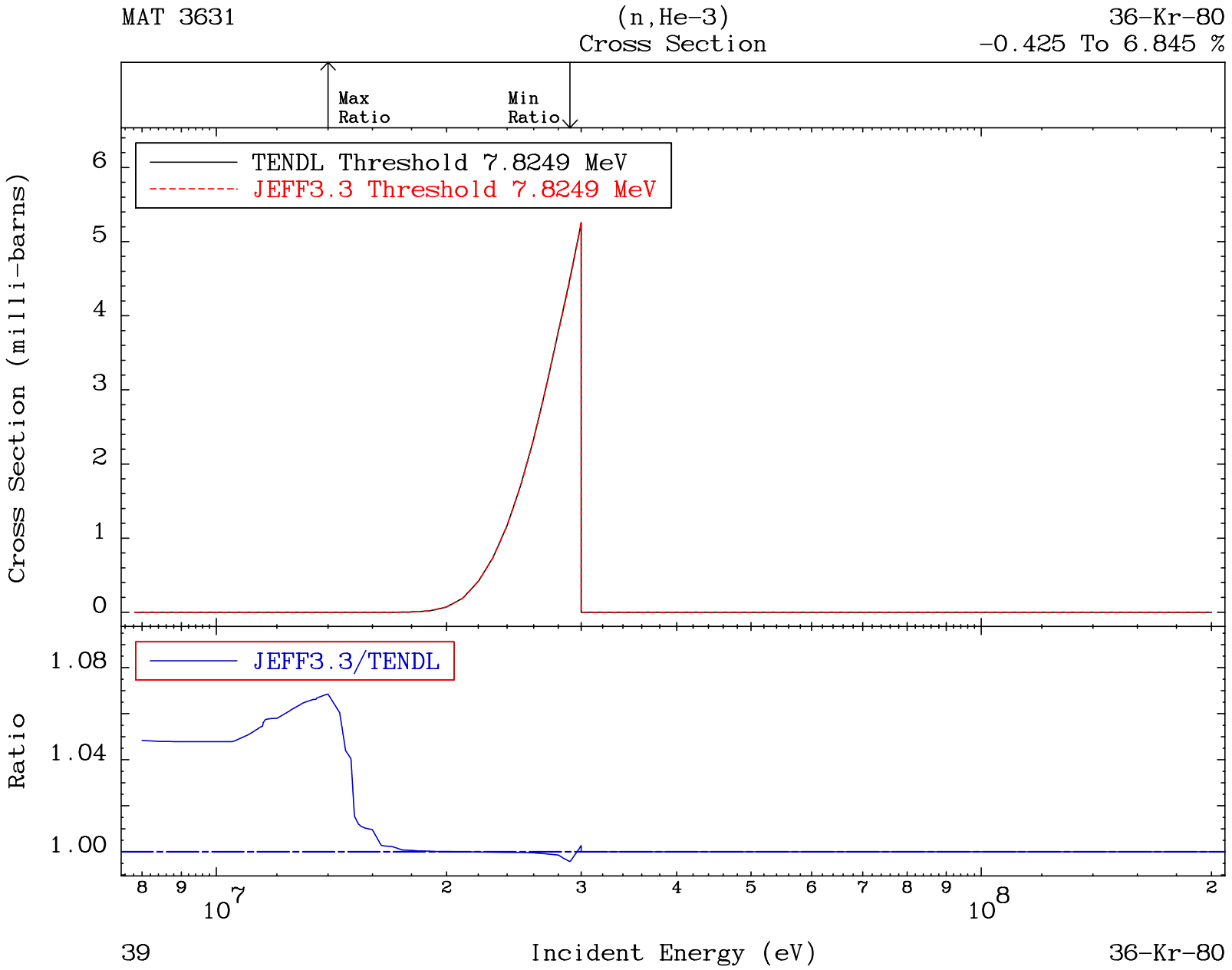

MAT 3631
(n,n') Continuum
Cross Section
36-Kr-80
-12.78 To 1.445 %
Max
Ratio
Min
Ratio
TENDL Threshold 3.2129 MeV
JEFF3.3 Threshold 3.2129 MeV
Cross Section (barns)
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.05
1.00
0.95
0.90
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
34
Incident Energy (eV)
36-Kr-80

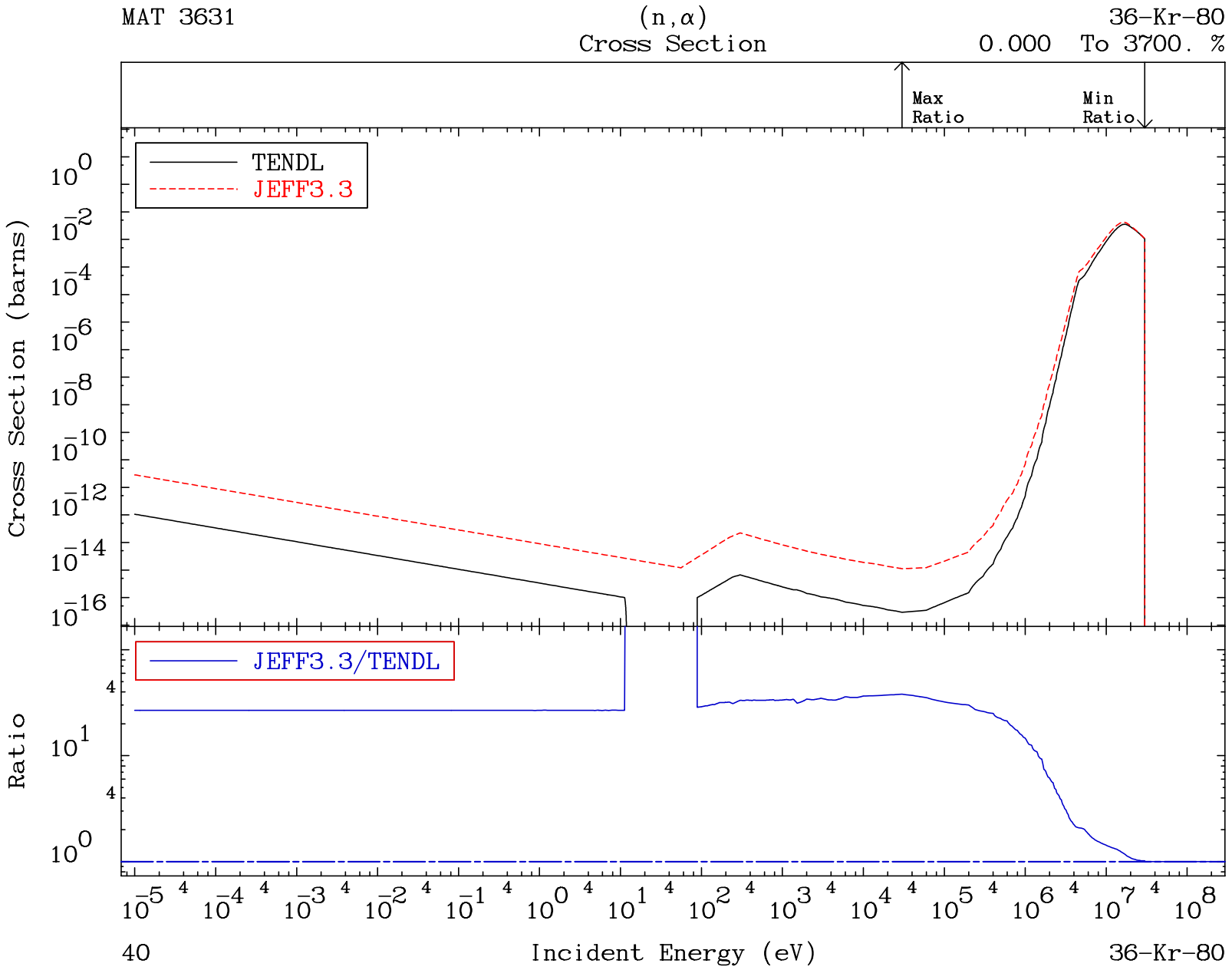

MAT 3631
(n,γ)
Cross Section
36-Kr-80
-99.99 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
35
36-Kr-80

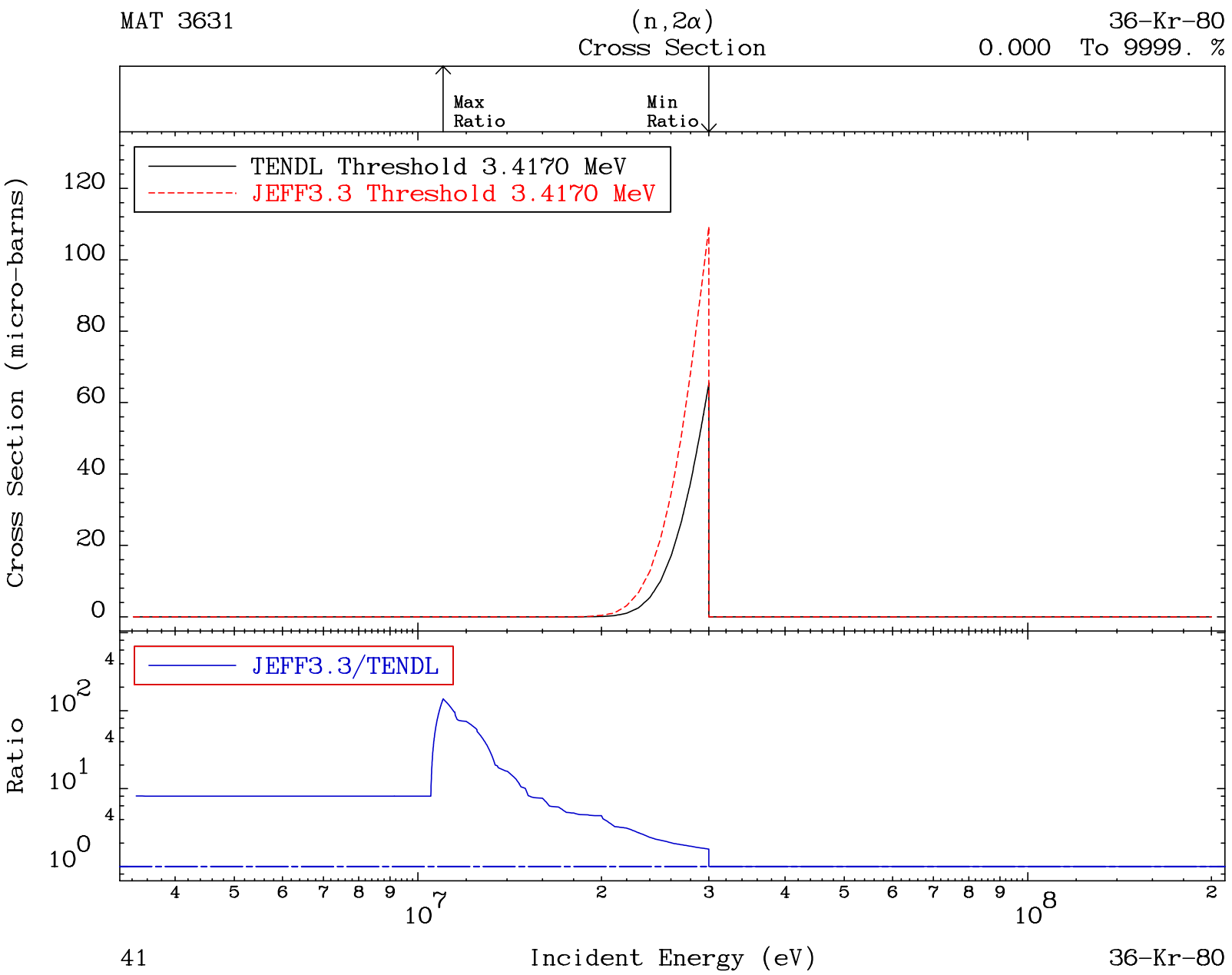

MAT 3631
(n,p)
Cross Section
36-Kr-80
-12.58 To 2.332 %
Max Ratio
Min Ratio
TENDL Threshold 1.2375 MeV
JEFF3.3 Threshold 1.2374 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.05
1.00
0.95
0.90
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
36
Incident Energy (eV)
36-Kr-80

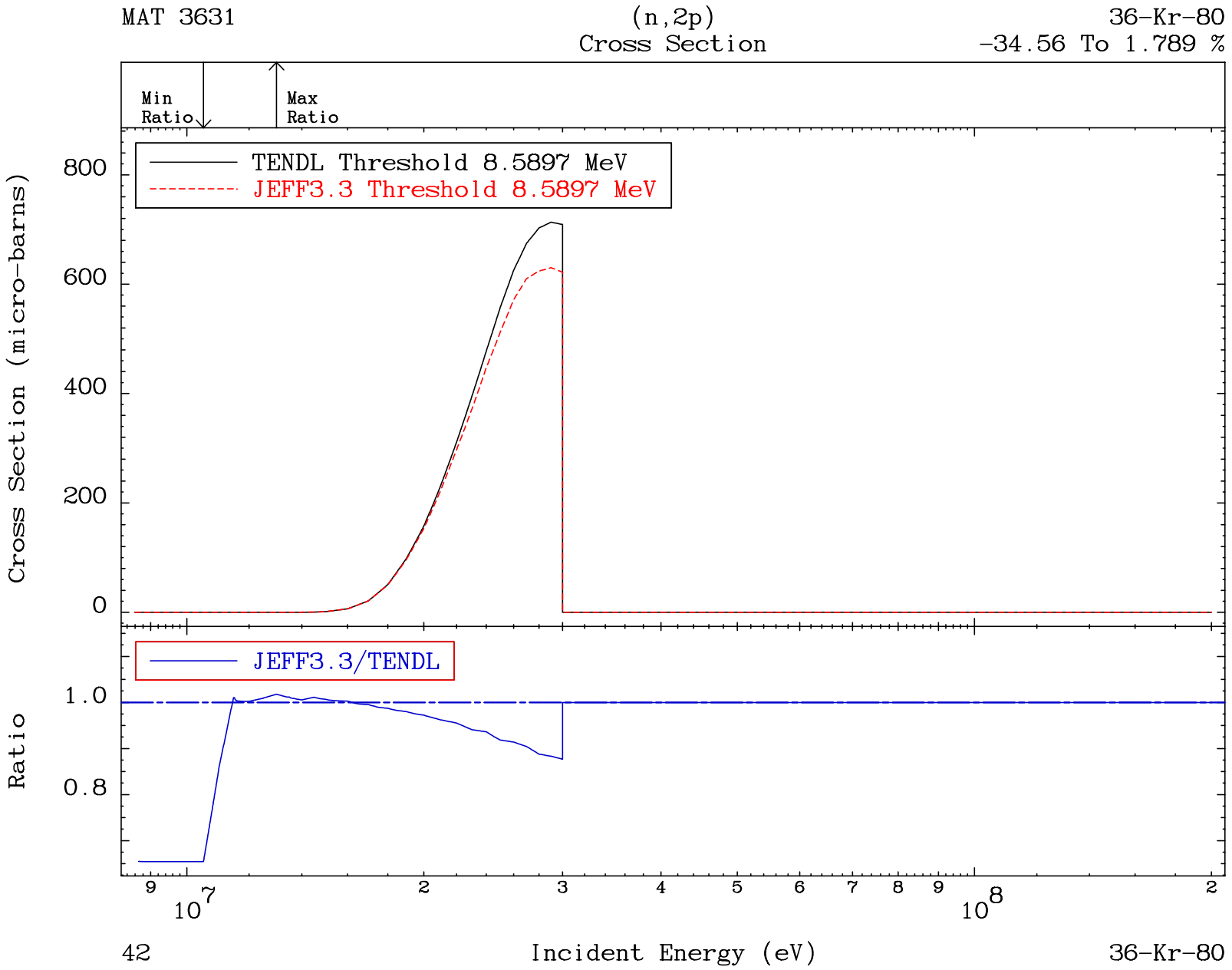

MAT 3631
(n,d)
Cross Section
36-Kr-80
-6.095 To 3.797 %
Max Ratio
Min Ratio
TENDL Threshold 6.9767 MeV
JEFF3.3 Threshold 6.9767 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.05
1.00
0.95
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
37
Incident Energy (eV)
36-Kr-80

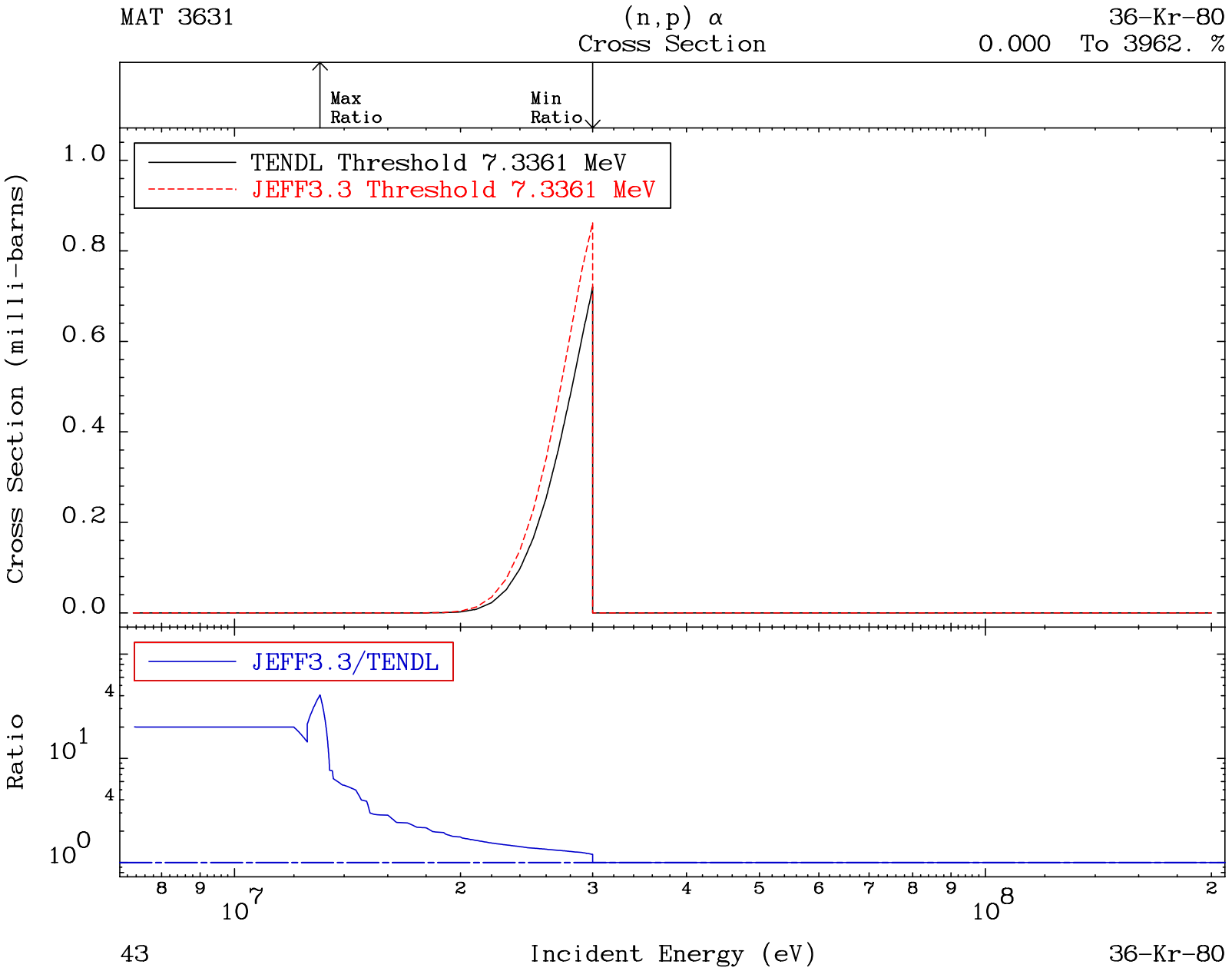

MAT 3631
(n,t)
Cross Section
36-Kr-80
-2.736 To 6.776 %
Max Ratio
Min Ratio
TENDL Threshold 11.463 MeV
JEFF3.3 Threshold 11.463 MeV
Cross Section (milli-barns)
0
2
4
6
JEFF3.3/TENDL
Ratio
1.00
1.05
2
3
4
5
6
7
8
9
10^8
2
38
Incident Energy (eV)
36-Kr-80

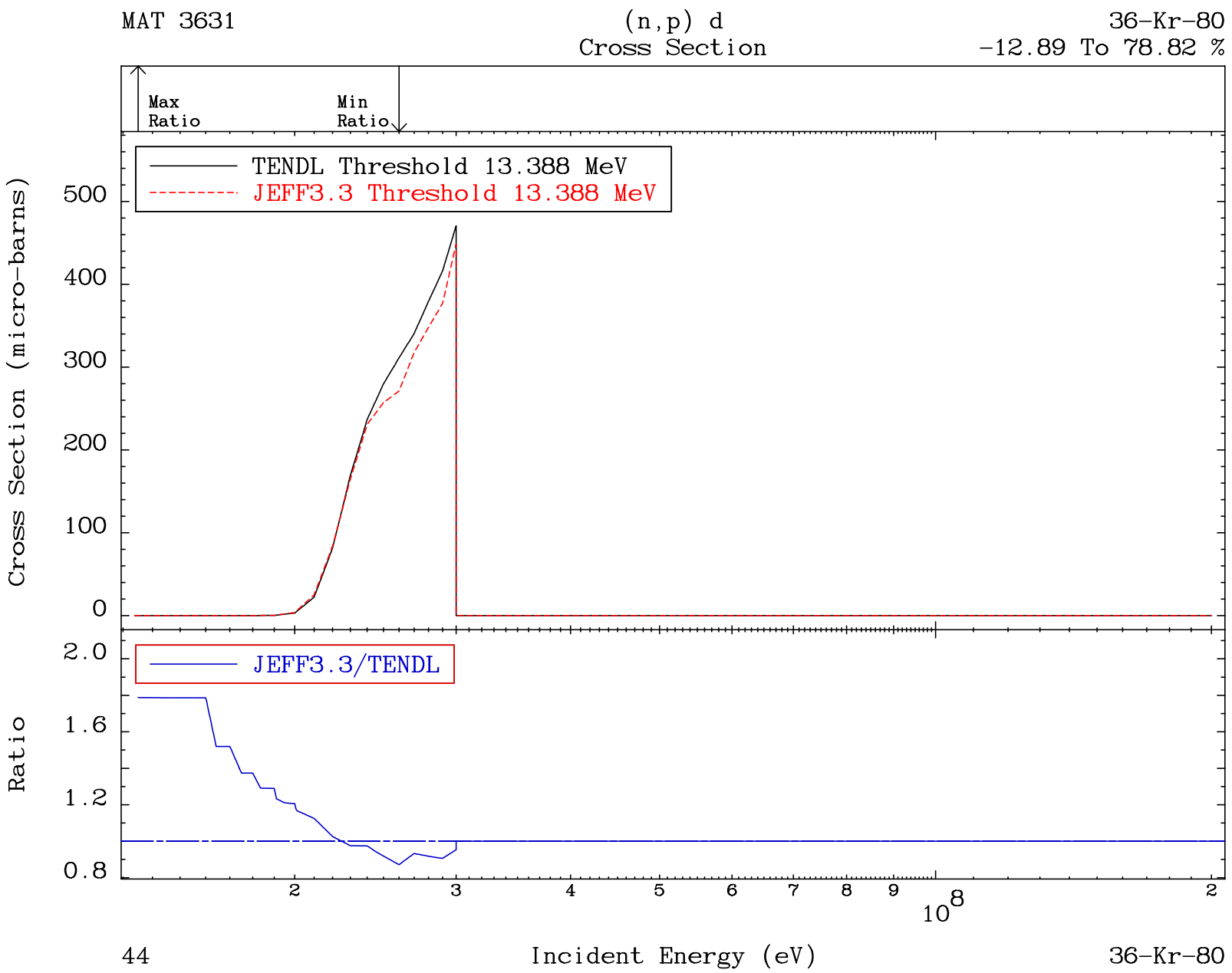

MAT 3631
(n,He-3)
Cross Section
36-Kr-80
-0.425 To 6.845 %
Max Ratio
Min Ratio
TENDL Threshold 7.8249 MeV
JEFF3.3 Threshold 7.8249 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
JEFF3.3/TENDL
Ratio
1.00
1.04
1.08
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
39
Incident Energy (eV)
36-Kr-80

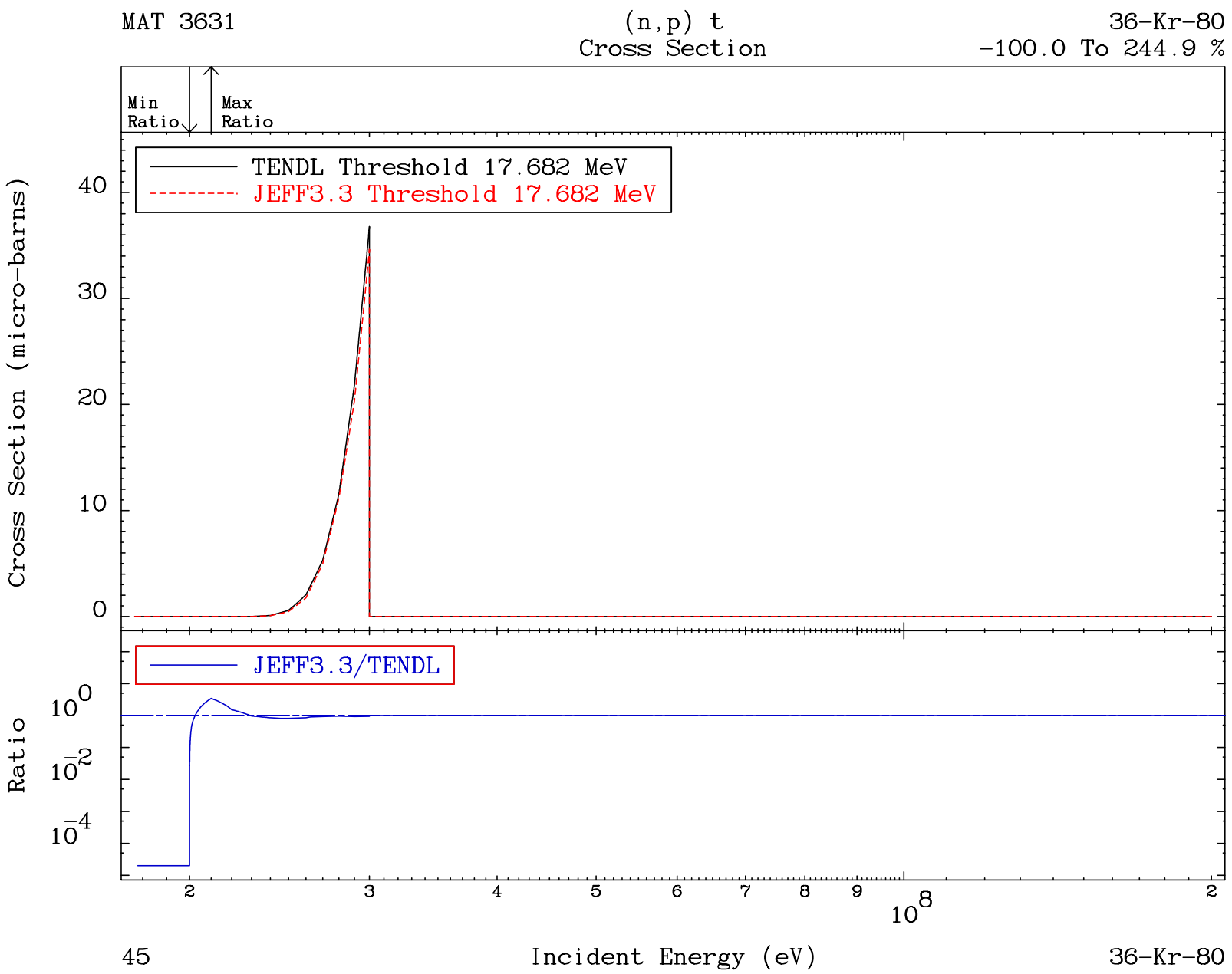

MAT 3631
(n,α)
Cross Section
36-Kr-80
0.000 To 3700. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
40
36-Kr-80

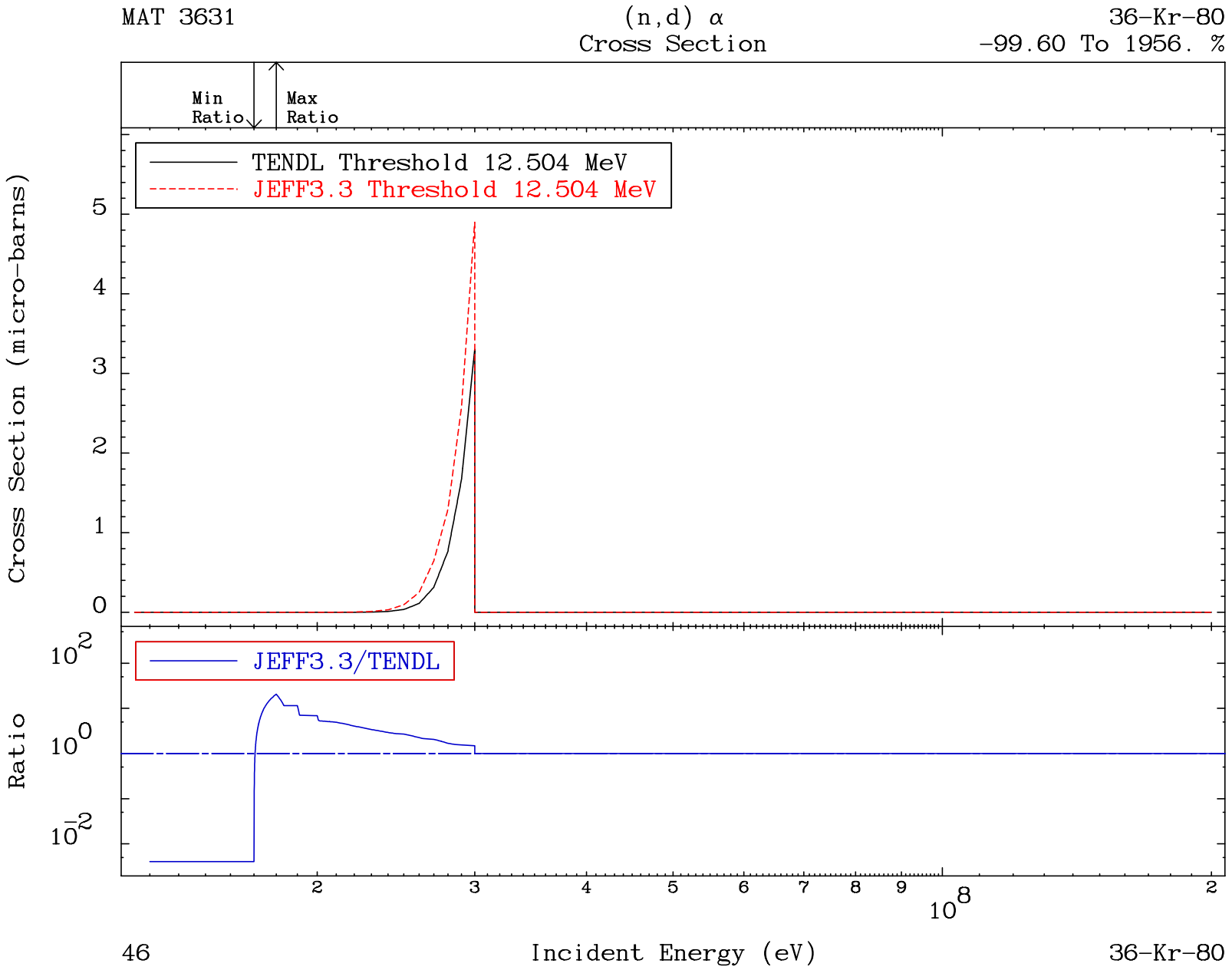

MAT 3631
(n,2α)
Cross Section
36-Kr-80
0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.4170 MeV
JEFF3.3 Threshold 3.4170 MeV
Cross Section (micro-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
41
Incident Energy (eV)
36-Kr-80

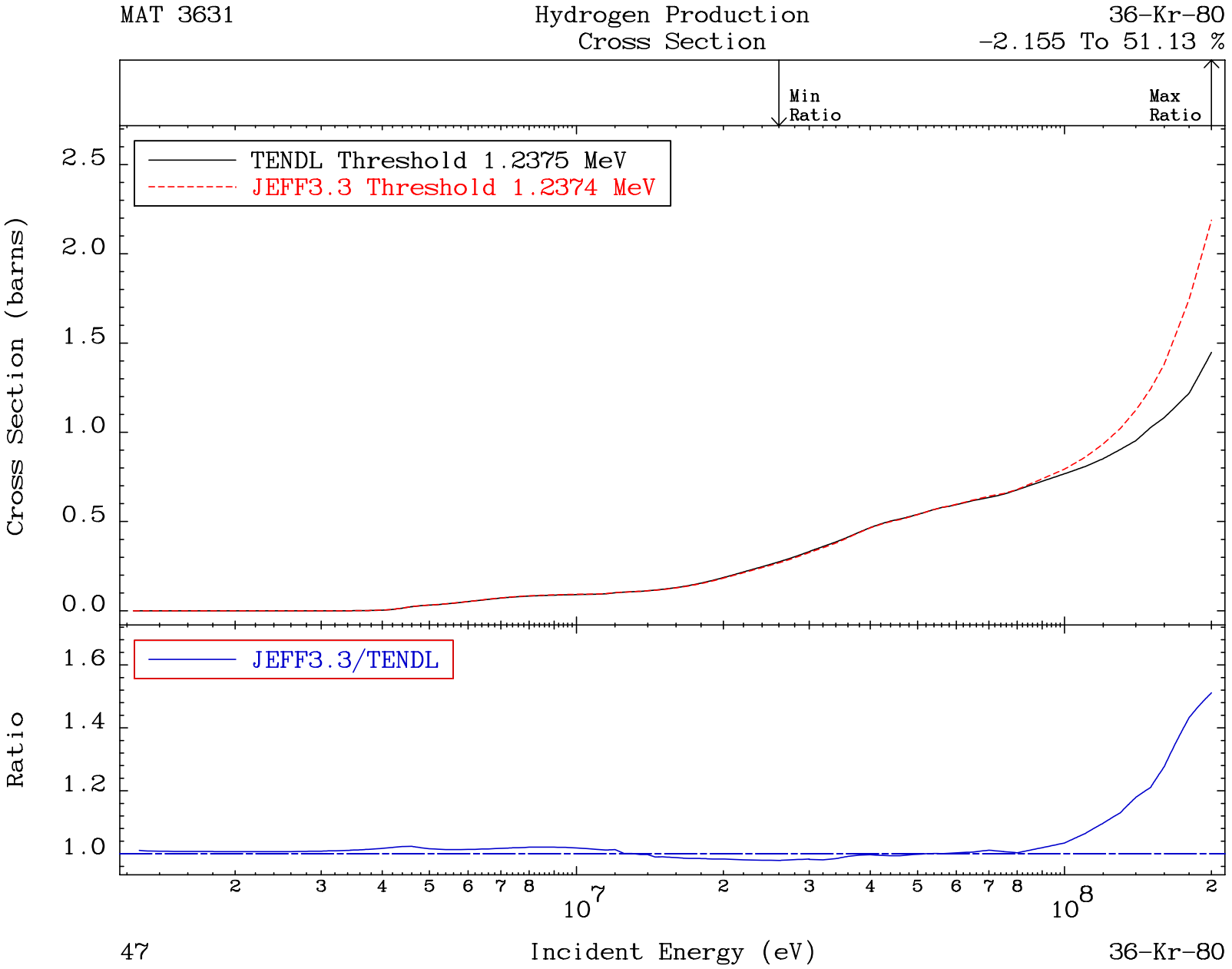

MAT 3631
(n,2p)
Cross Section
36-Kr-80
-34.56 To 1.789 %
Min Ratio
Max Ratio
TENDL Threshold 8.5897 MeV
JEFF3.3 Threshold 8.5897 MeV
Cross Section (micro-barns)
800
600
400
200
0
JEFF3.3/TENDL
Ratio
1.0
0.8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
42
Incident Energy (eV)
36-Kr-80

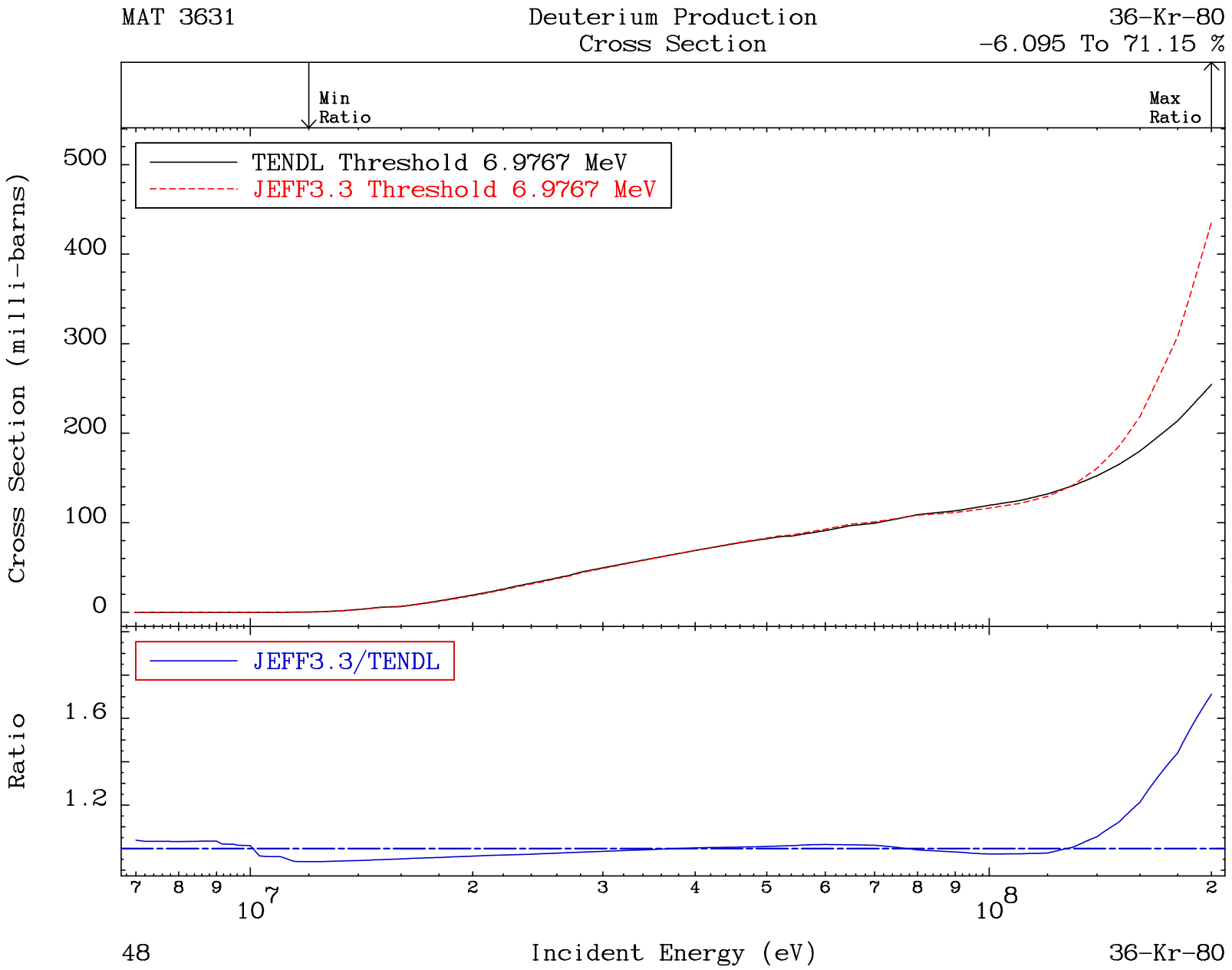

MAT 3631
(n,p) α
Cross Section
36-Kr-80
0.000 To 3962. %
Max Ratio
Min Ratio
TENDL Threshold 7.3361 MeV
JEFF3.3 Threshold 7.3361 MeV
Cross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
4
10^1
4
10^0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
43
Incident Energy (eV)
36-Kr-80

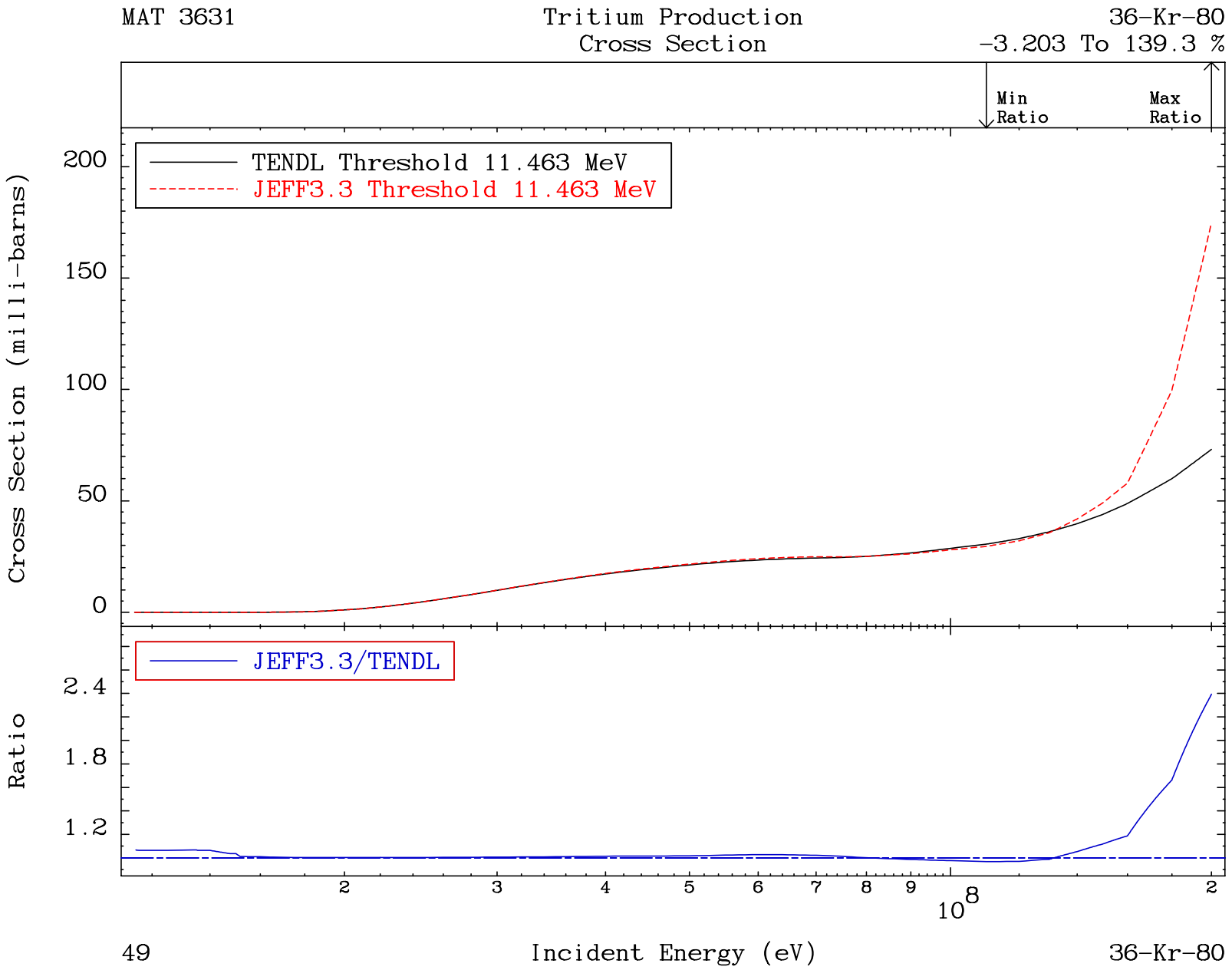

MAT 3631
(n,p) d
Cross Section
36-Kr-80
-12.89 To 78.82 %
Max Ratio
Min Ratio
TENDL Threshold 13.388 MeV
JEFF3.3 Threshold 13.388 MeV
Cross Section (micro-barns)
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
2.0
1.6
1.2
0.8
2
3
4
5
6
7
8
9
10^8
2
44
Incident Energy (eV)
36-Kr-80

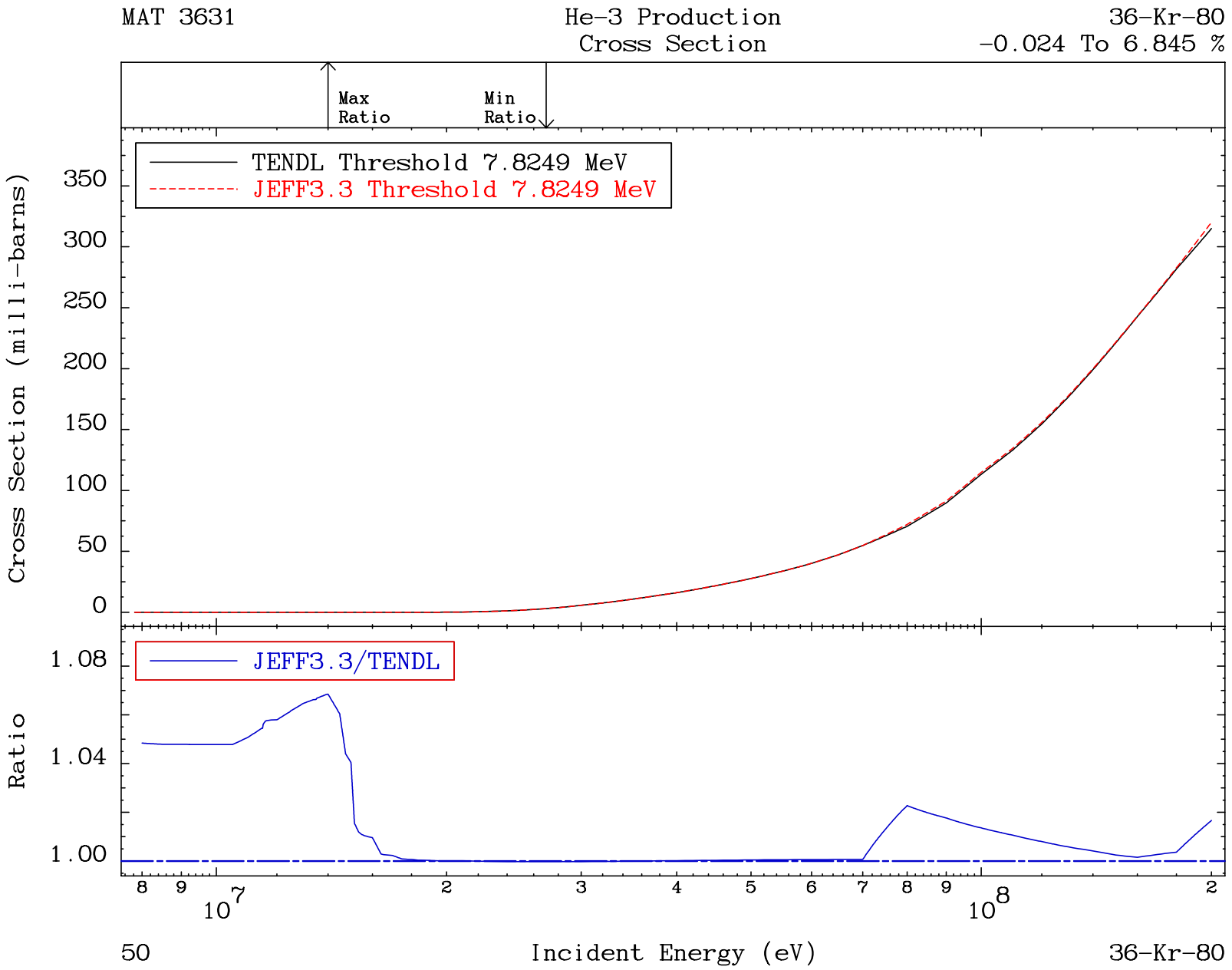

MAT 3631
(n,p) t
Cross Section
36-Kr-80
-100.0 To 244.9 %
Min Ratio
Max Ratio
TENDL Threshold 17.682 MeV
JEFF3.3 Threshold 17.682 MeV
Cross Section (micro-barns)
0
10
20
30
40
JEFF3.3/TENDL
Ratio
10^{0}
10^{-2}
10^{-4}
2
3
4
5
6
7
8
9
10^{8}
2
45
Incident Energy (eV)
36-Kr-80

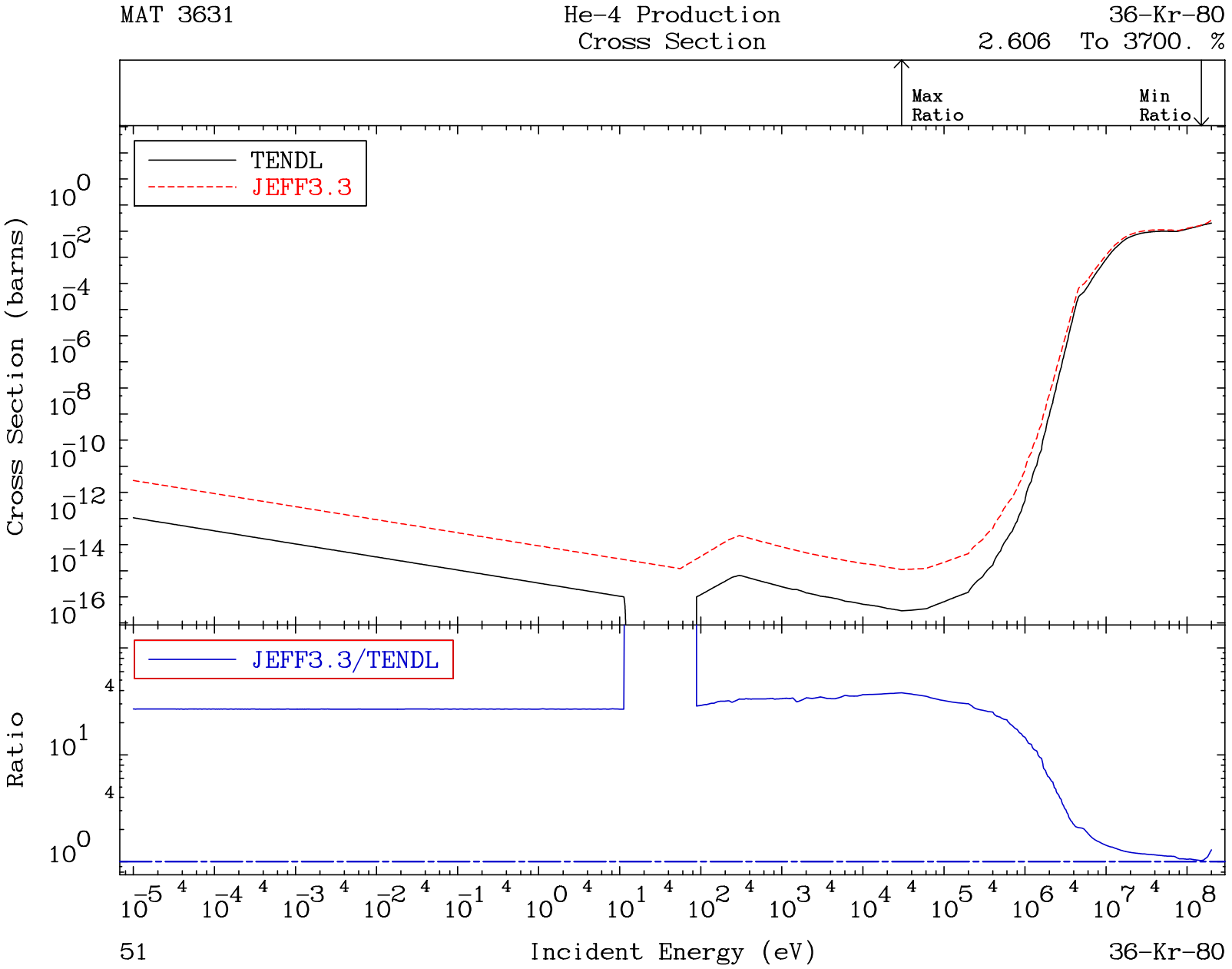

MAT 3631
(n,d) α
Cross Section
36-Kr-80
-99.60 To 1956. %
Min Ratio
Max Ratio
TENDL Threshold 12.504 MeV
JEFF3.3 Threshold 12.504 MeV
Cross Section (micro-barns)
0
1
2
3
4
5
JEFF3.3/TENDL
Ratio
10^2
10^0
10^-2
2
3
4
5
6
7
8
9
10^8
2
46
Incident Energy (eV)
36-Kr-80

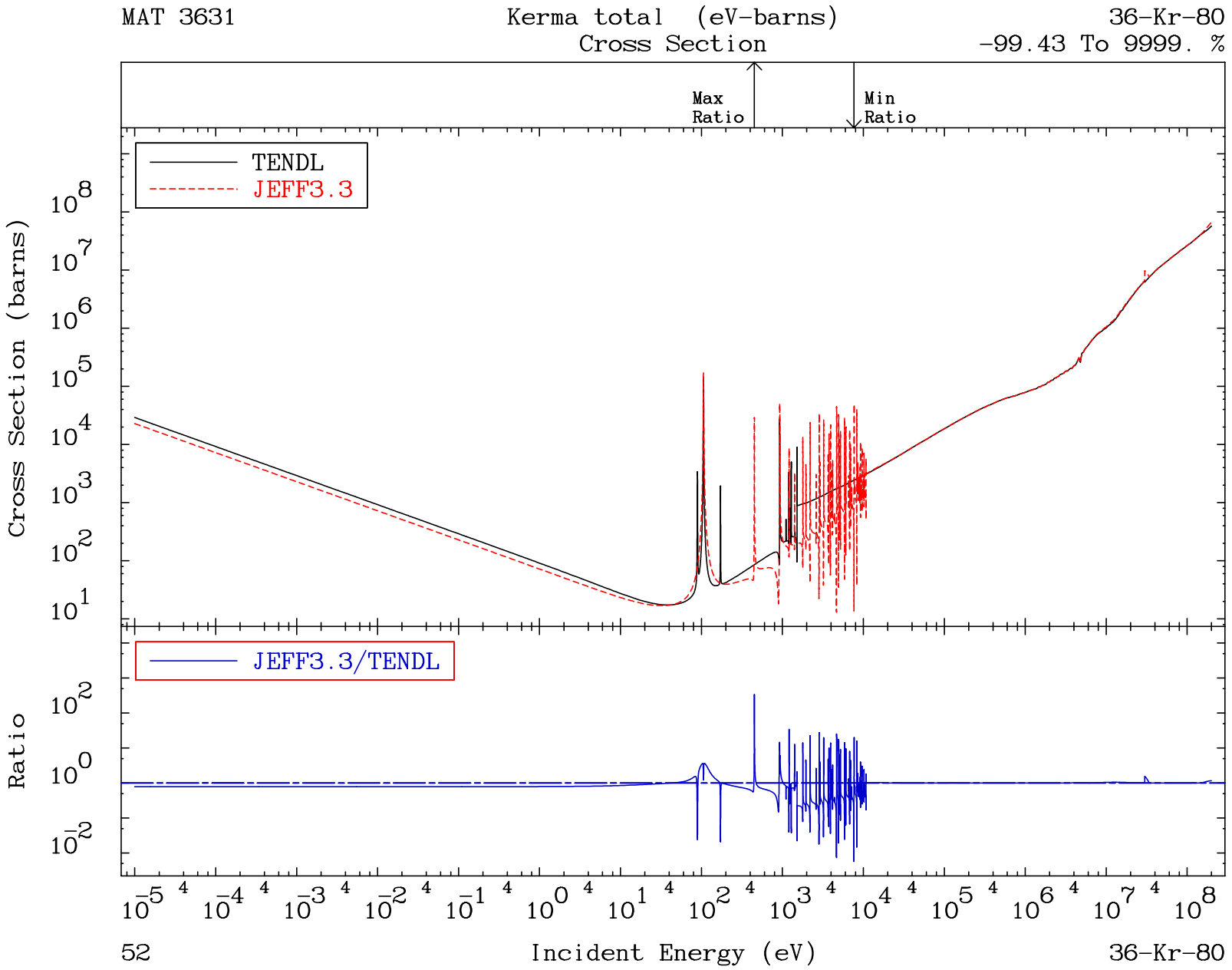

MAT 3631
Hydrogen Production
Cross Section
36-Kr-80
-2.155 To 51.13 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.2375 MeV
JEFF3.3 Threshold 1.2374 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.6
1.4
1.2
1.0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
47
Incident Energy (eV)
36-Kr-80

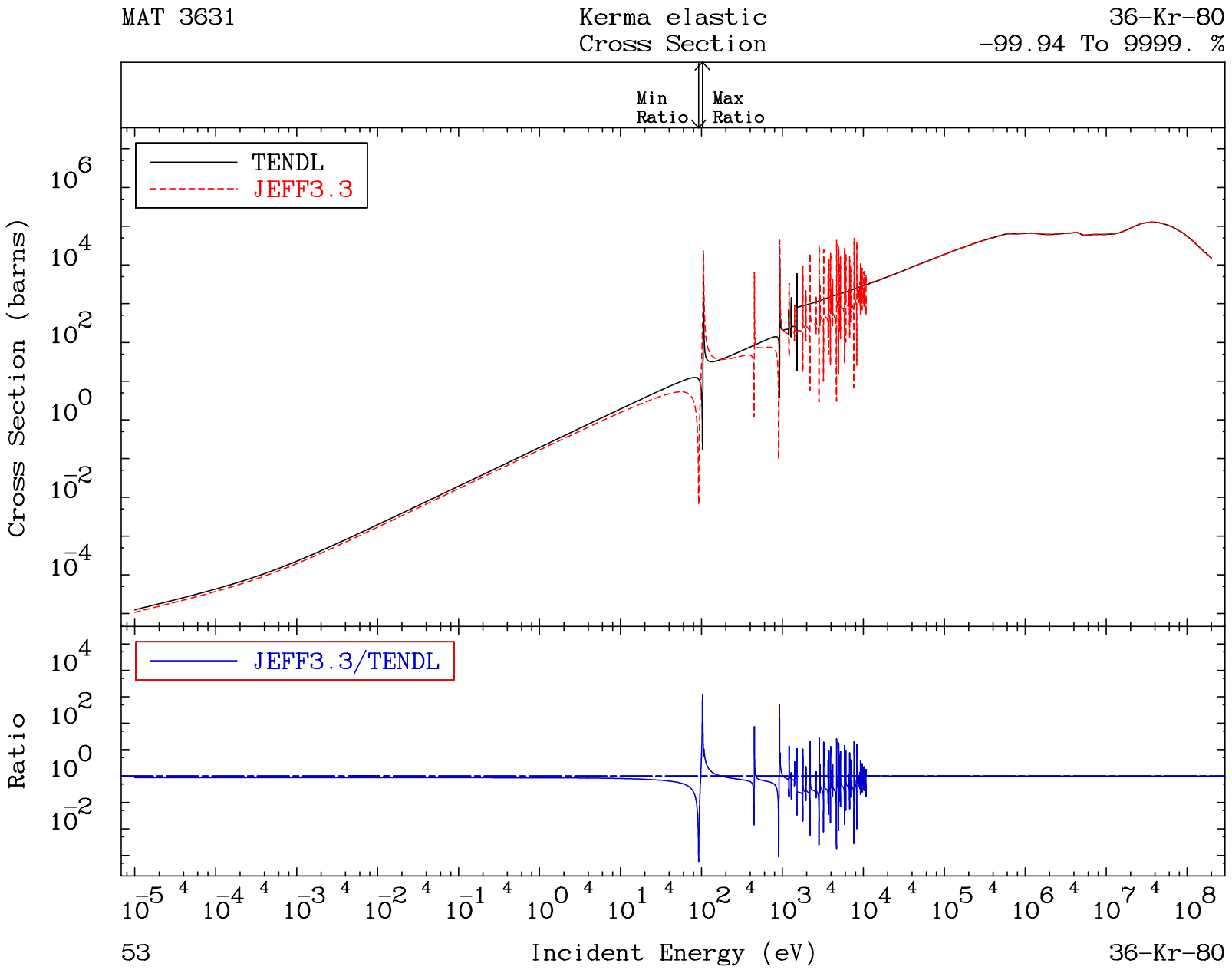

MAT 3631
Deuterium Production
Cross Section
36-Kr-80
-6.095 To 71.15 %
Min
Ratio
Max
Ratio
TENDL Threshold 6.9767 MeV
JEFF3.3 Threshold 6.9767 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.6
1.2
7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
48
Incident Energy (eV)
36-Kr-80

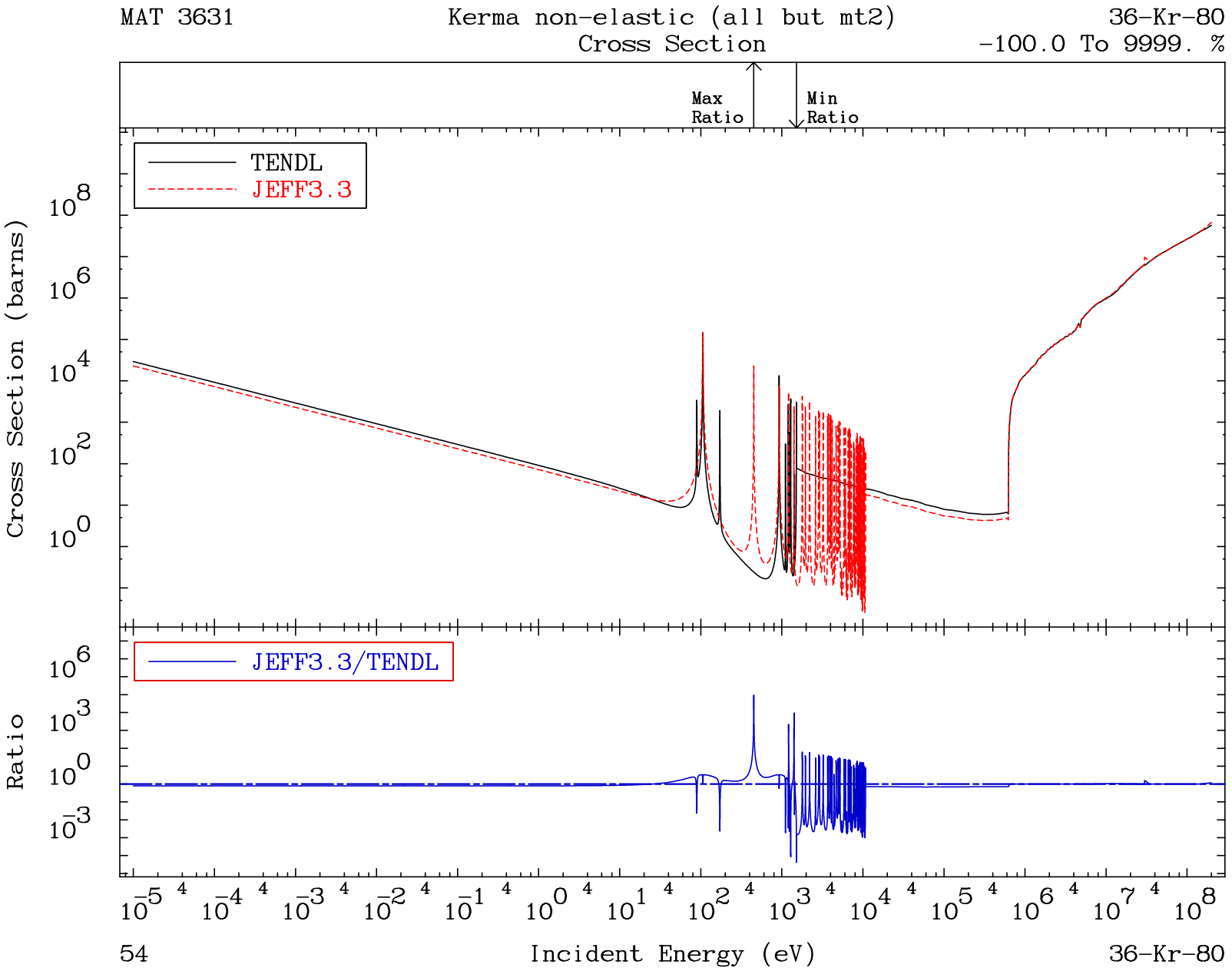

MAT 3631
Tritium Production
Cross Section
36-Kr-80
-3.203 To 139.3 %
Min Ratio
Max Ratio
TENDL Threshold 11.463 MeV
JEFF3.3 Threshold 11.463 MeV
Cross Section (milli-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
2.4
1.8
1.2
2
3
4
5
6
7
8
9
10^8
2
49
Incident Energy (eV)
36-Kr-80

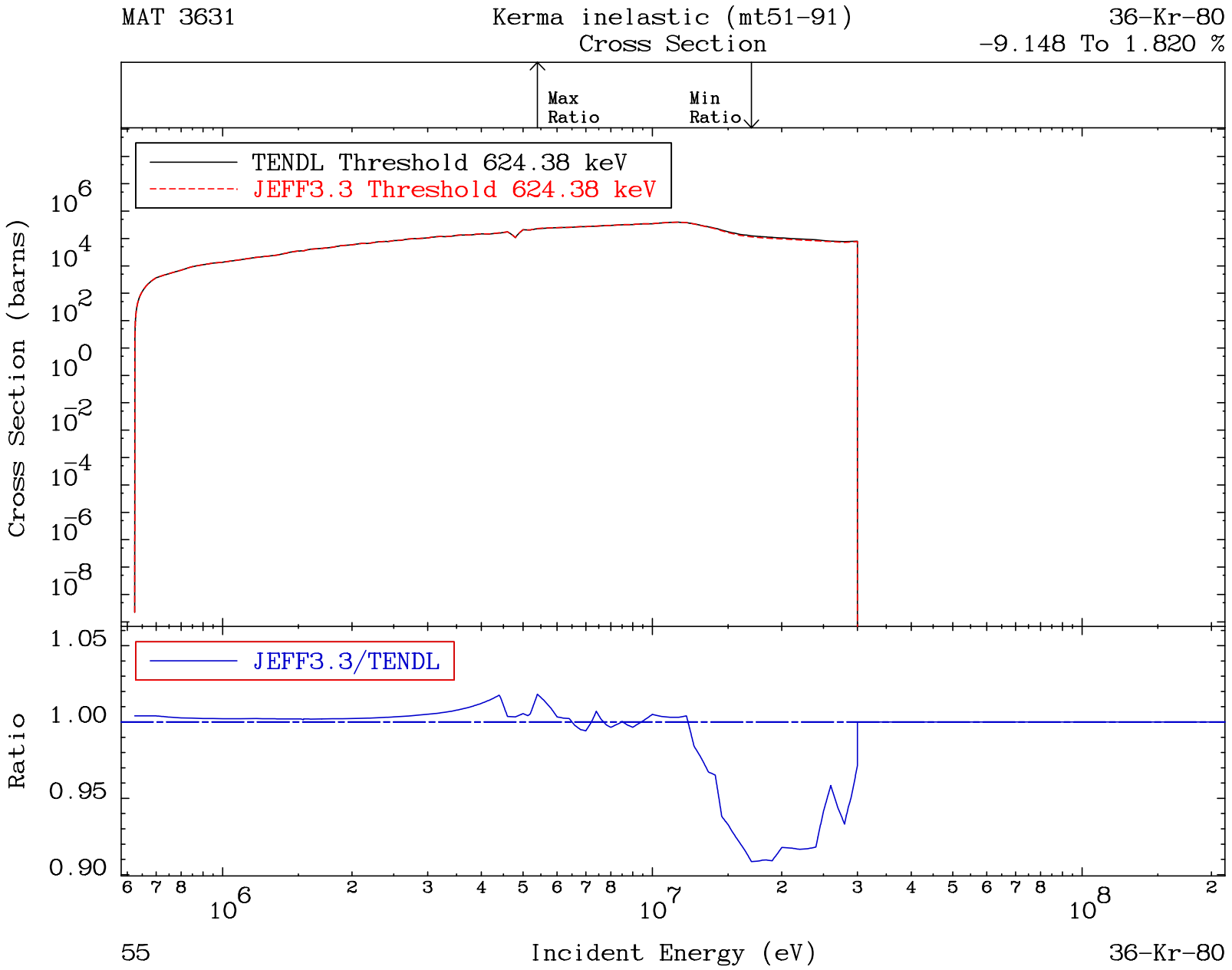

MAT 3631
He-3 Production
Cross Section
36-Kr-80
-0.024 To 6.845 %
Max Ratio
Min Ratio
TENDL Threshold 7.8249 MeV
JEFF3.3 Threshold 7.8249 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.08
1.04
1.00
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
50
Incident Energy (eV)
36-Kr-80

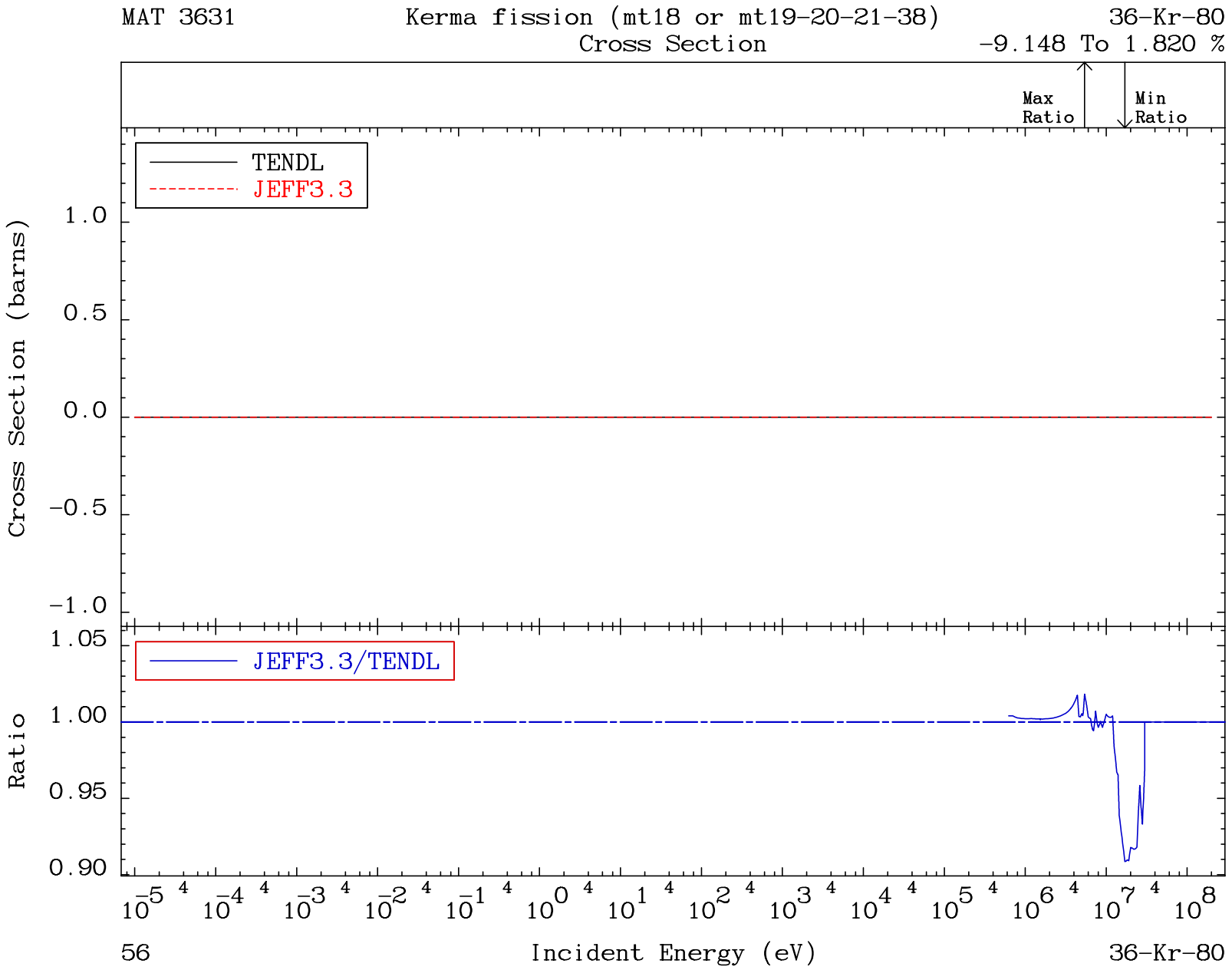

MAT 3631
He-4 Production
Cross Section
36-Kr-80
2.606 To 3700. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
36-Kr-80

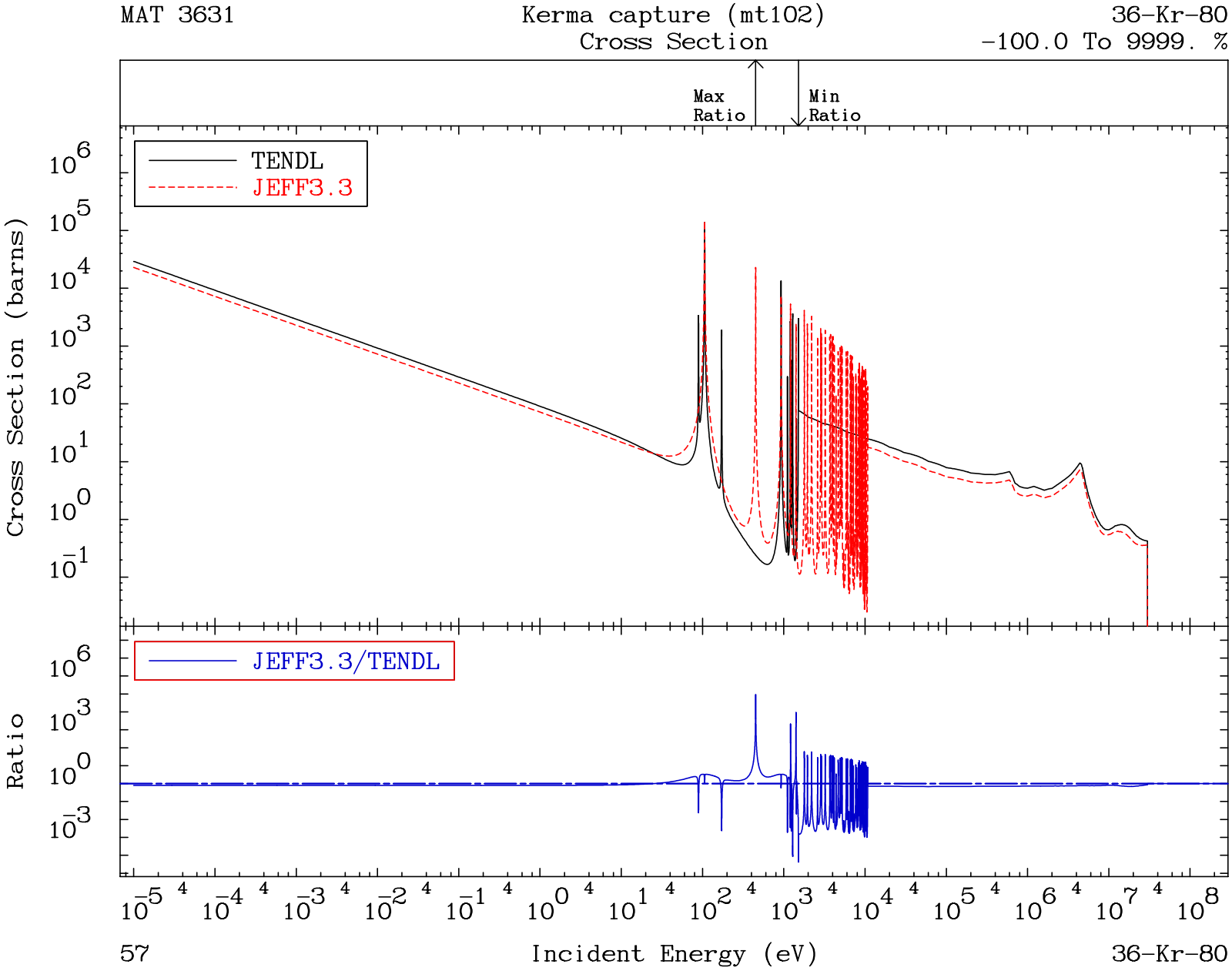

MAT 3631
Kerma total (eV-barns)
Cross Section
36-Kr-80
-99.43 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
52
36-Kr-80

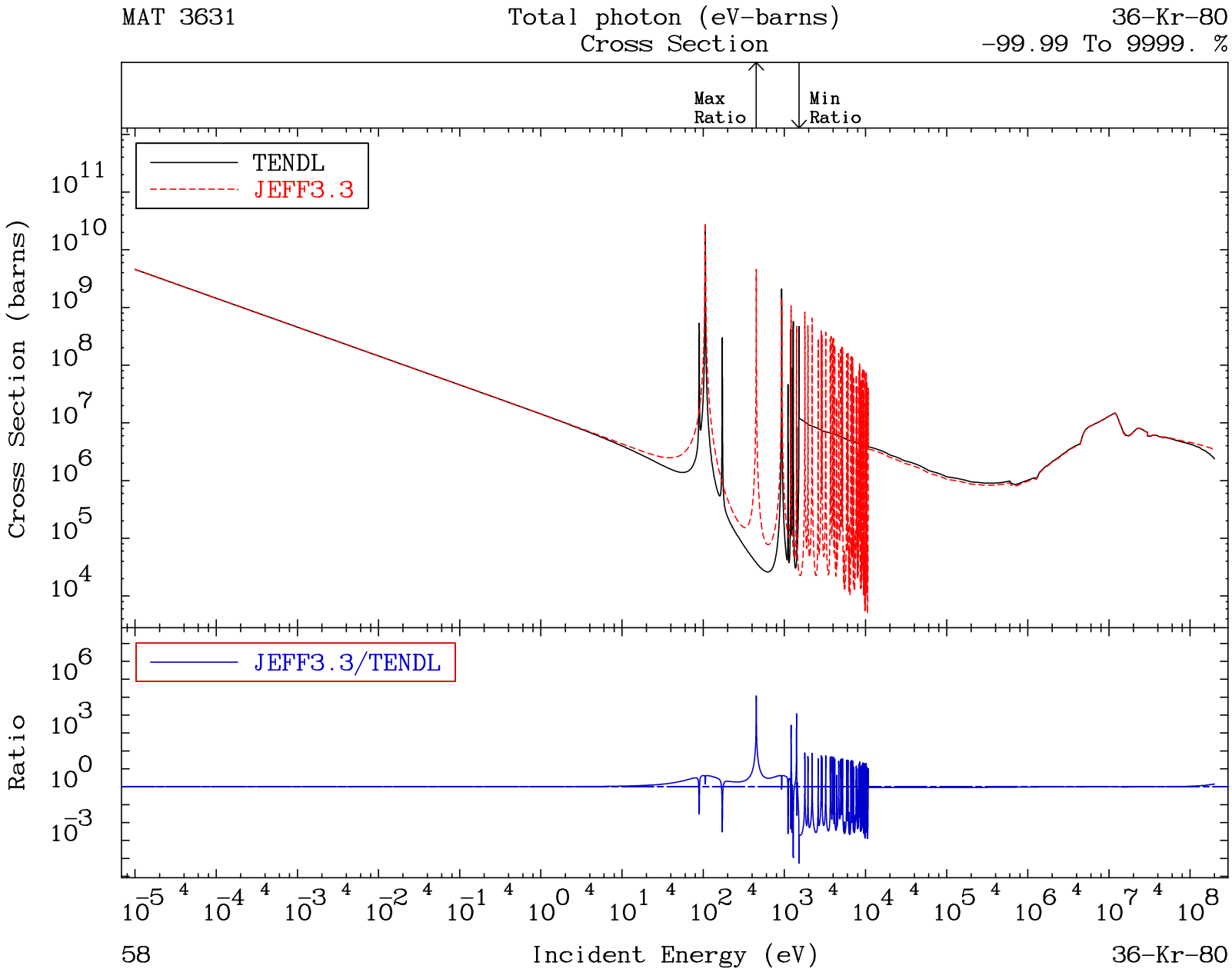

MAT 3631
Kerma elastic
Cross Section
36-Kr-80
-99.94 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
53
36-Kr-80

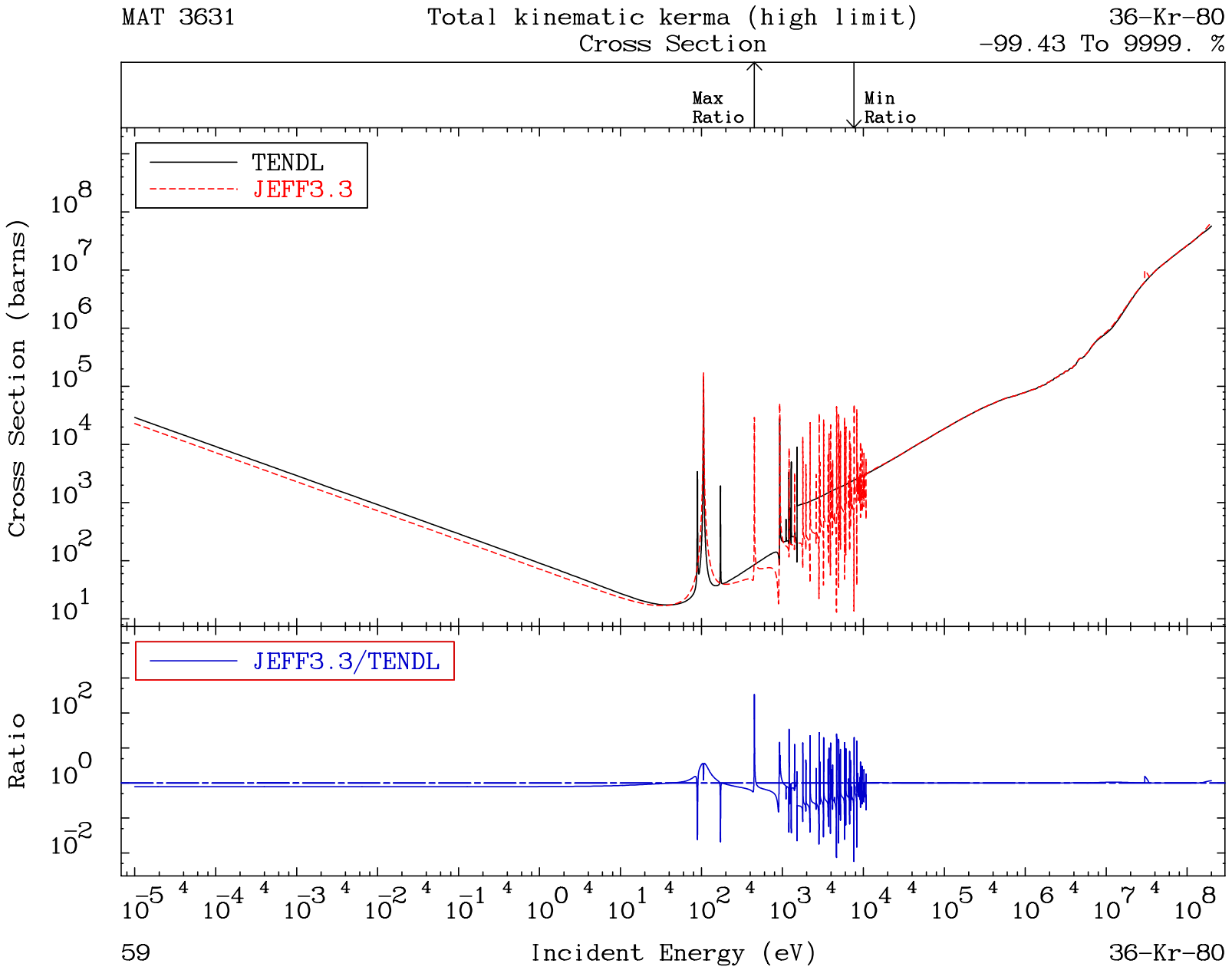

MAT 3631
Kerma non-elastic (all but mt2)
Cross Section
36-Kr-80
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
54
36-Kr-80

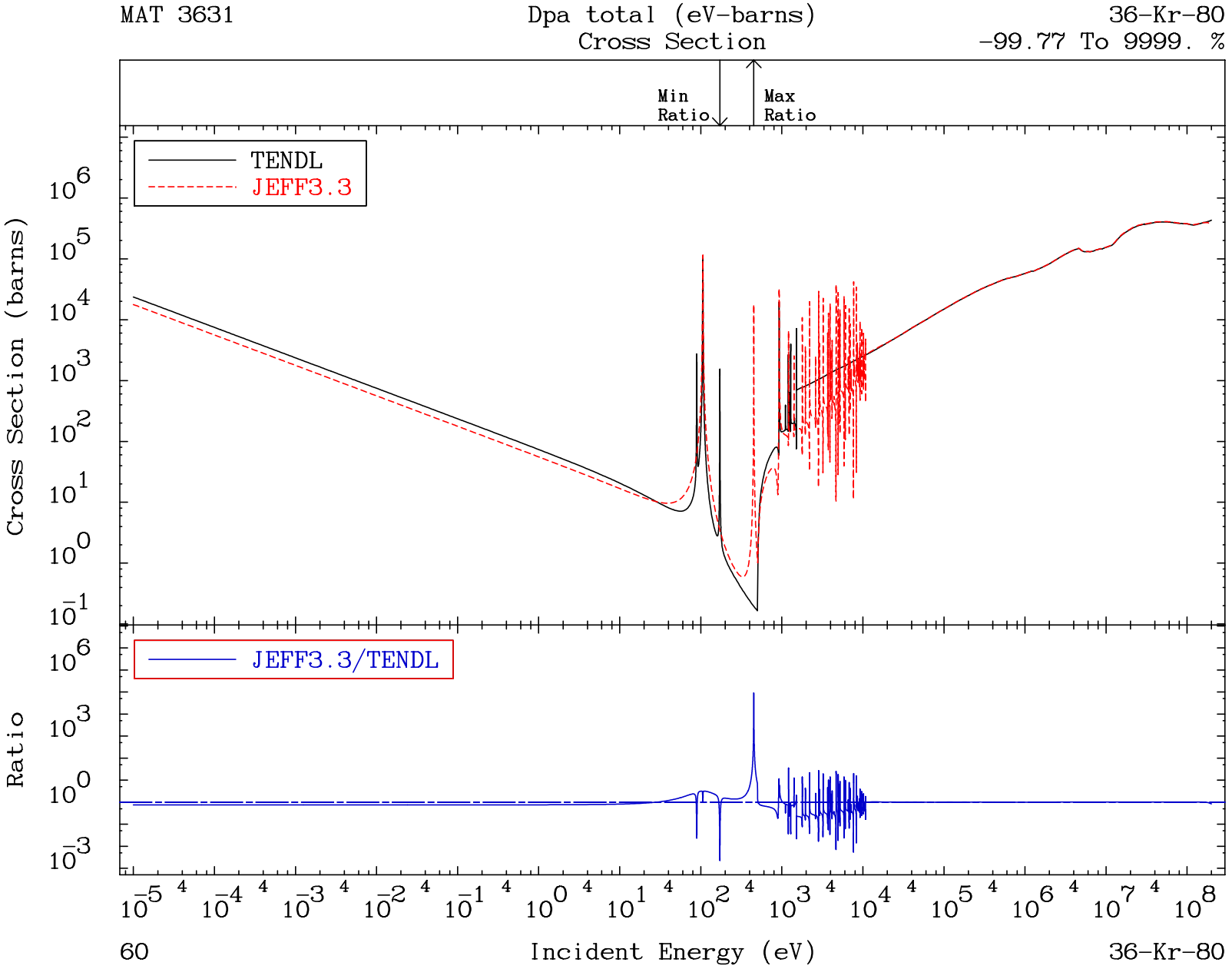

MAT 3631
Kerma inelastic (mt51-91)
Cross Section
36-Kr-80
-9.148 To 1.820 %
Max Ratio
Min Ratio
TENDL Threshold 624.38 keV
JEFF3.3 Threshold 624.38 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
55
36-Kr-80

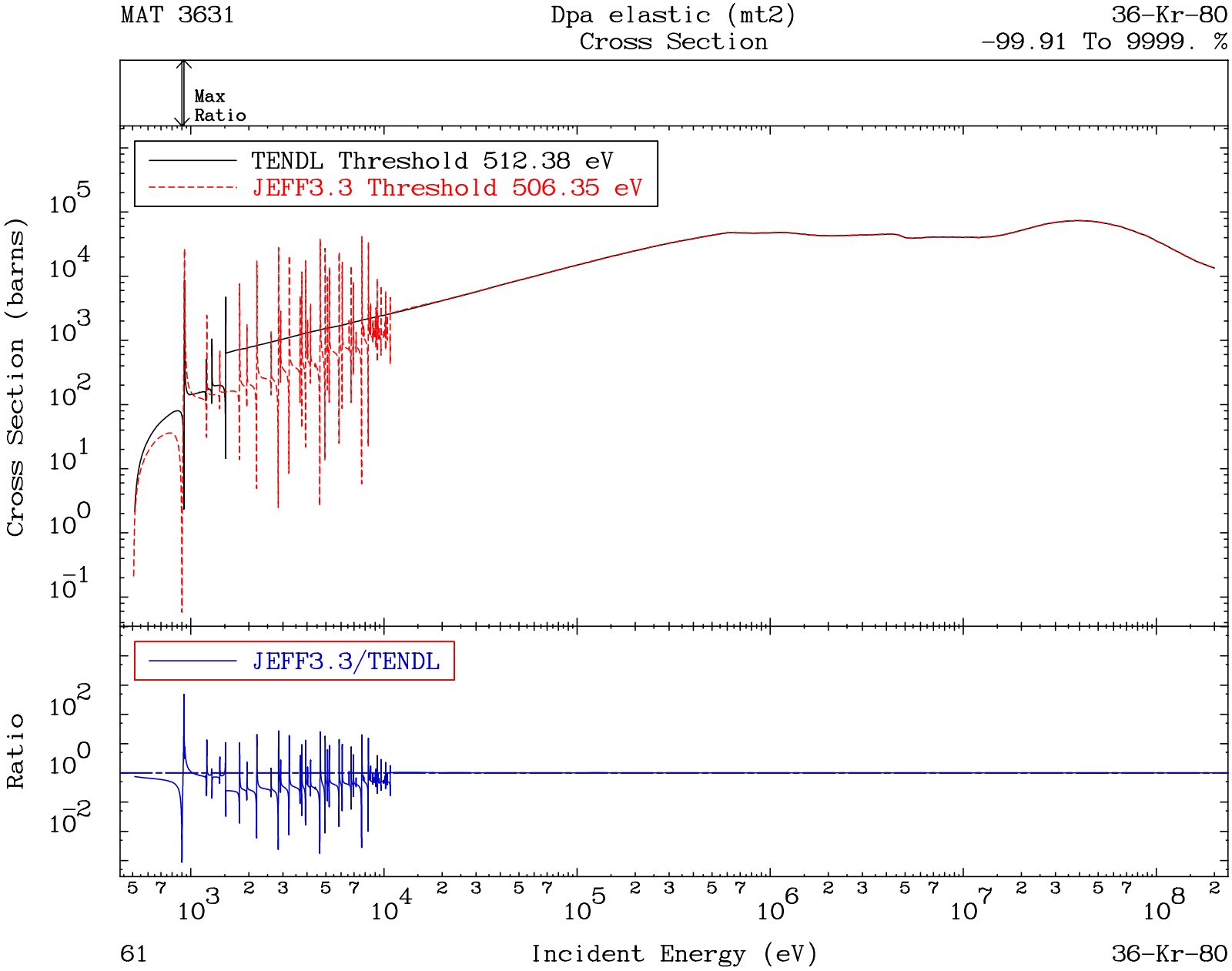

MAT 3631
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
36-Kr-80
-9.148 To 1.820 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
JEFF3.3/TENDL
Ratio
1.05
1.00
0.95
0.90
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
56
Incident Energy (eV)
36-Kr-80

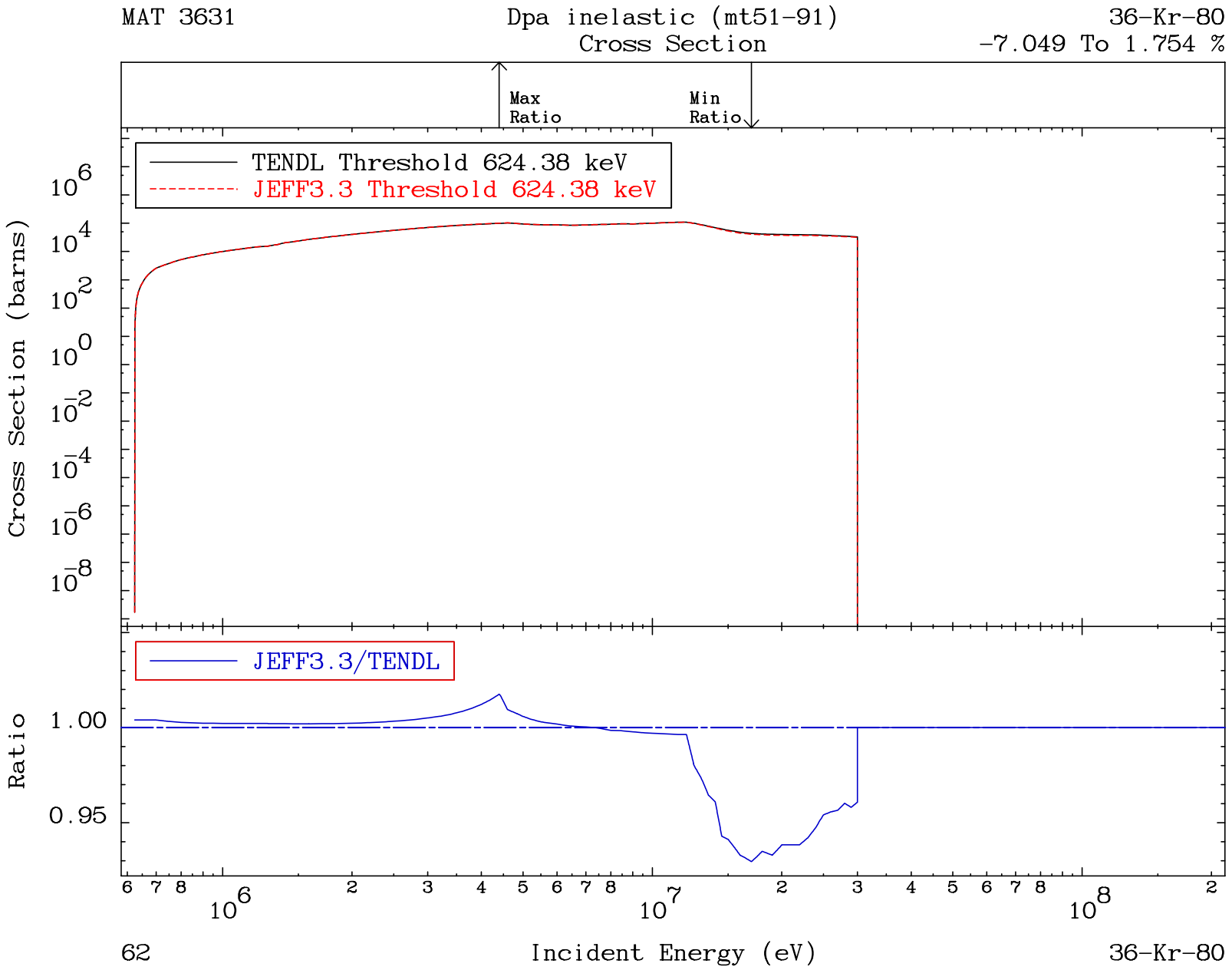

MAT 3631
Kerma capture (mt102)
Cross Section
36-Kr-80
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
57
Incident Energy (eV)
36-Kr-80

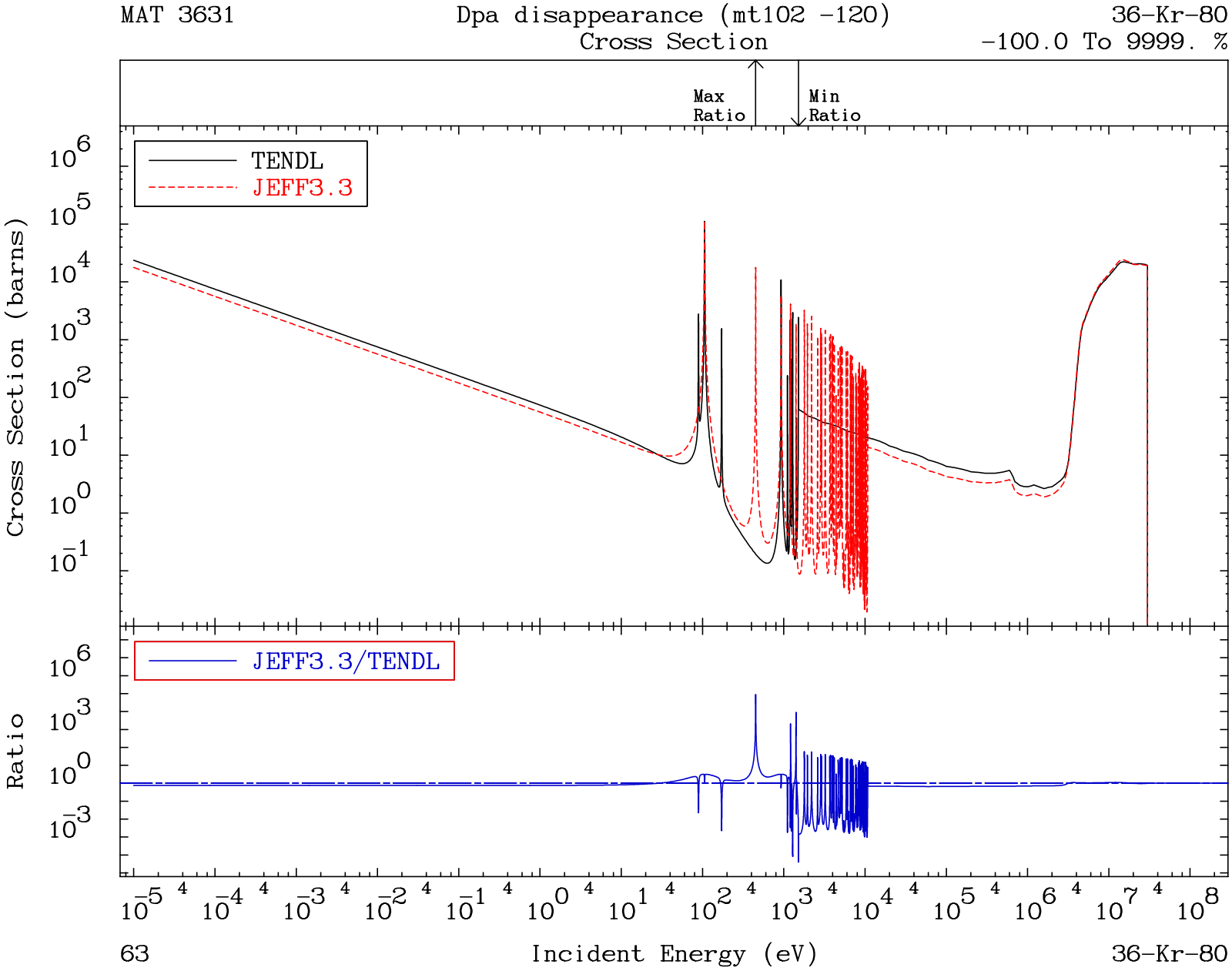

MAT 3631
Total photon (eV-barns)
Cross Section
36-Kr-80
-99.99 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
58
36-Kr-80

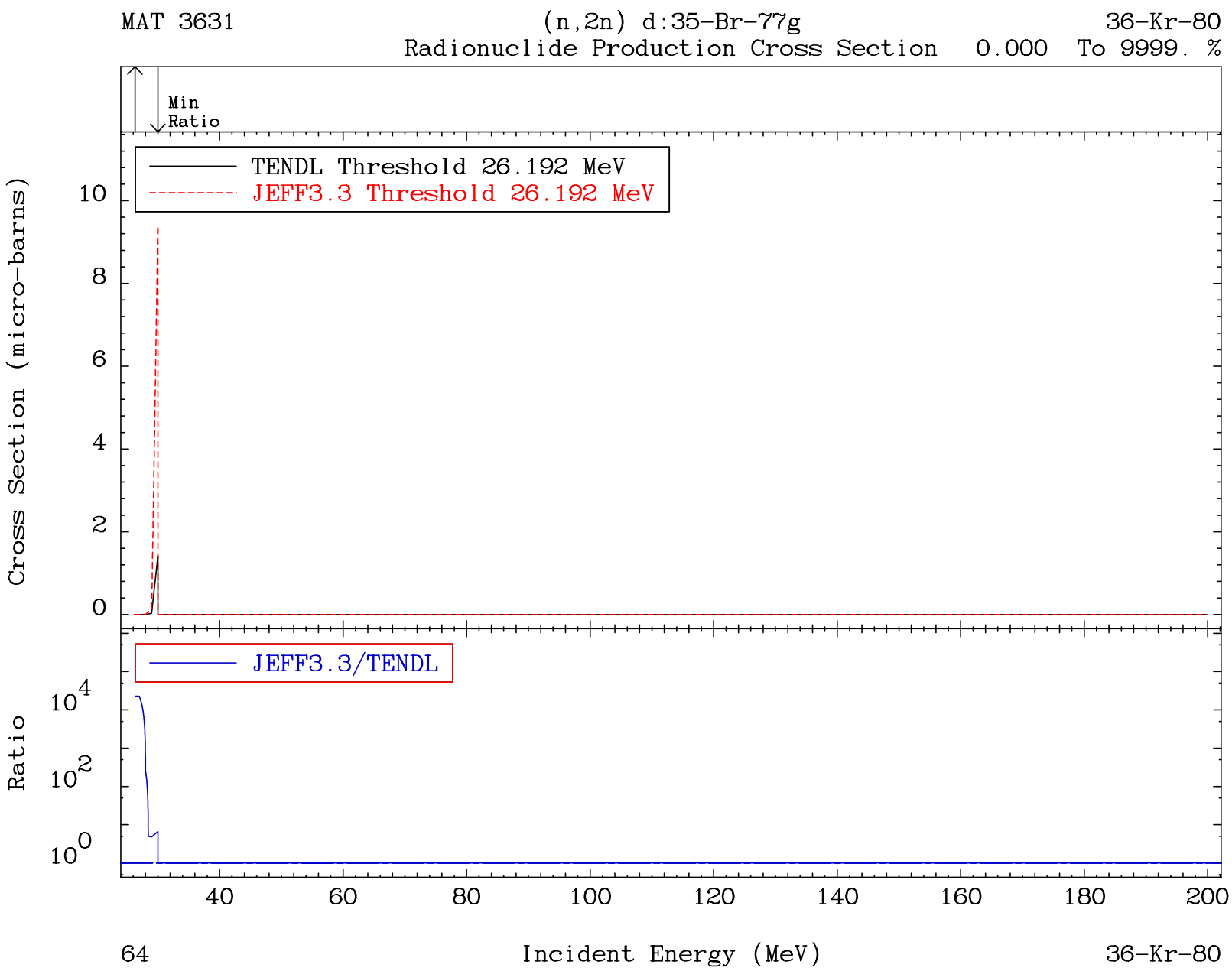

MAT 3631
Total kinematic kerma (high limit)
Cross Section
36-Kr-80
-99.43 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
59
36-Kr-80

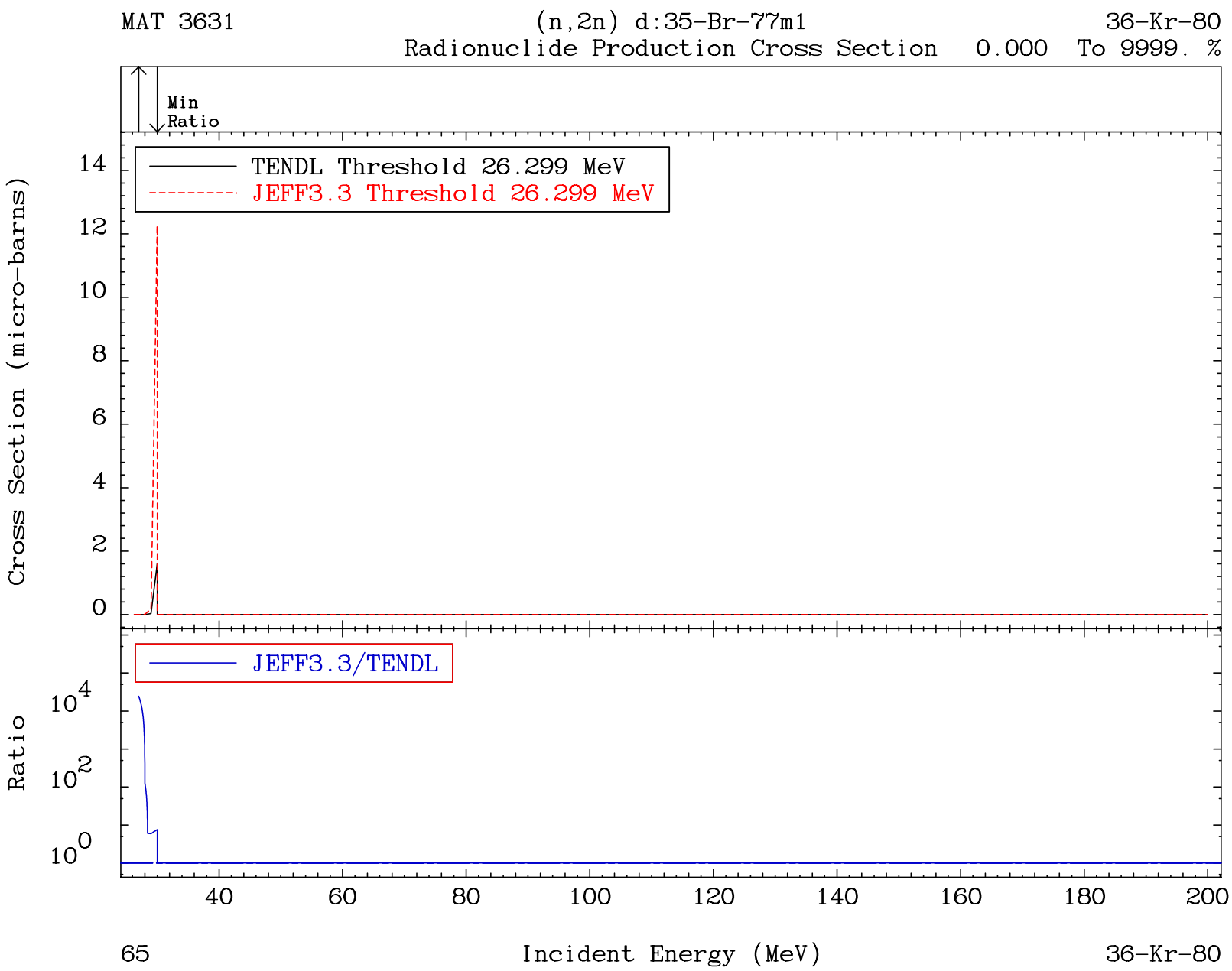

MAT 3631
Dpa total (eV-barns)
Cross Section
36-Kr-80
-99.77 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
60
36-Kr-80

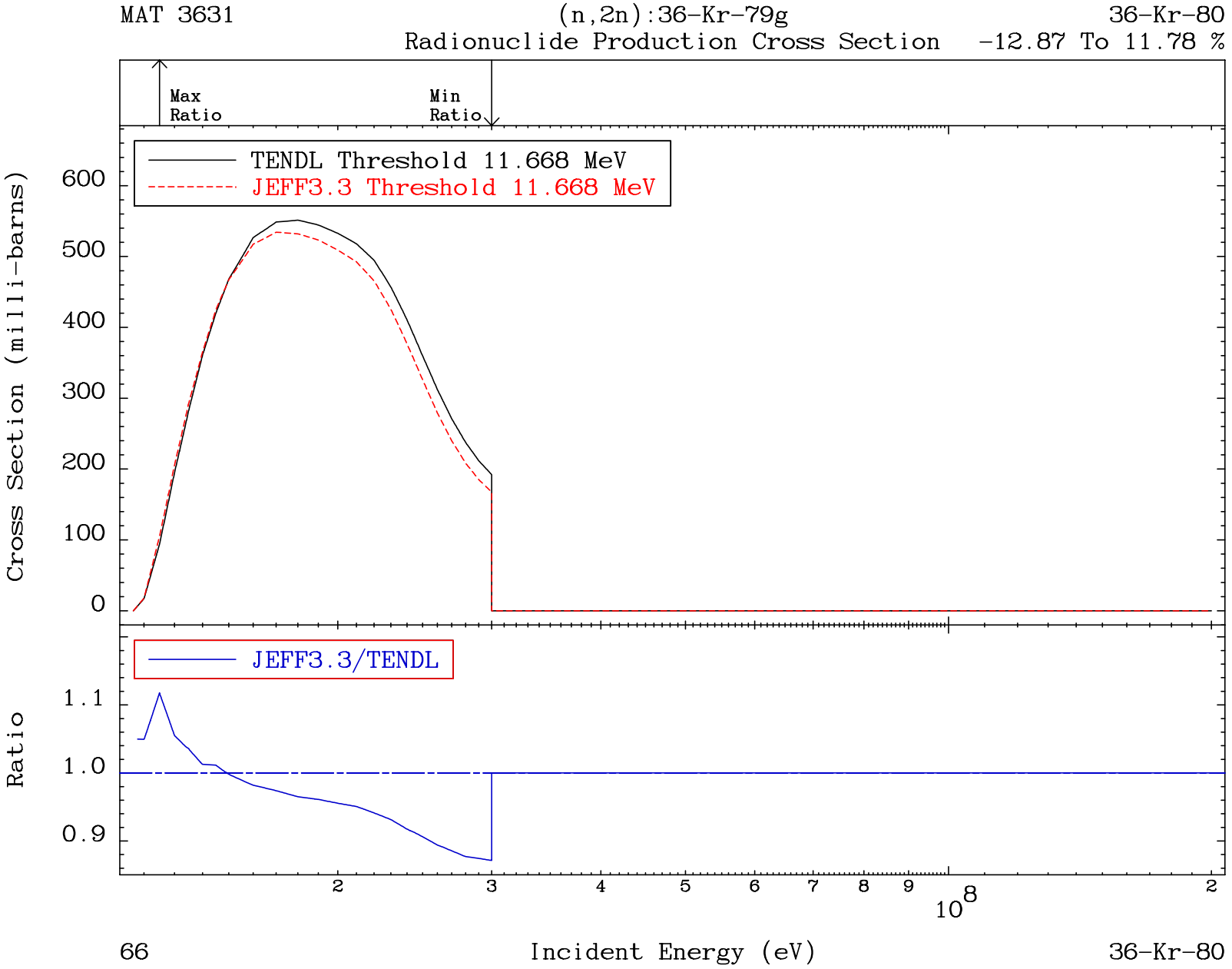

MAT 3631
Dpa elastic (mt2)
Cross Section
36-Kr-80
-99.91 To 9999. %
Max
Ratio
TENDL Threshold 512.38 eV
JEFF3.3 Threshold 506.35 eV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
61
36-Kr-80

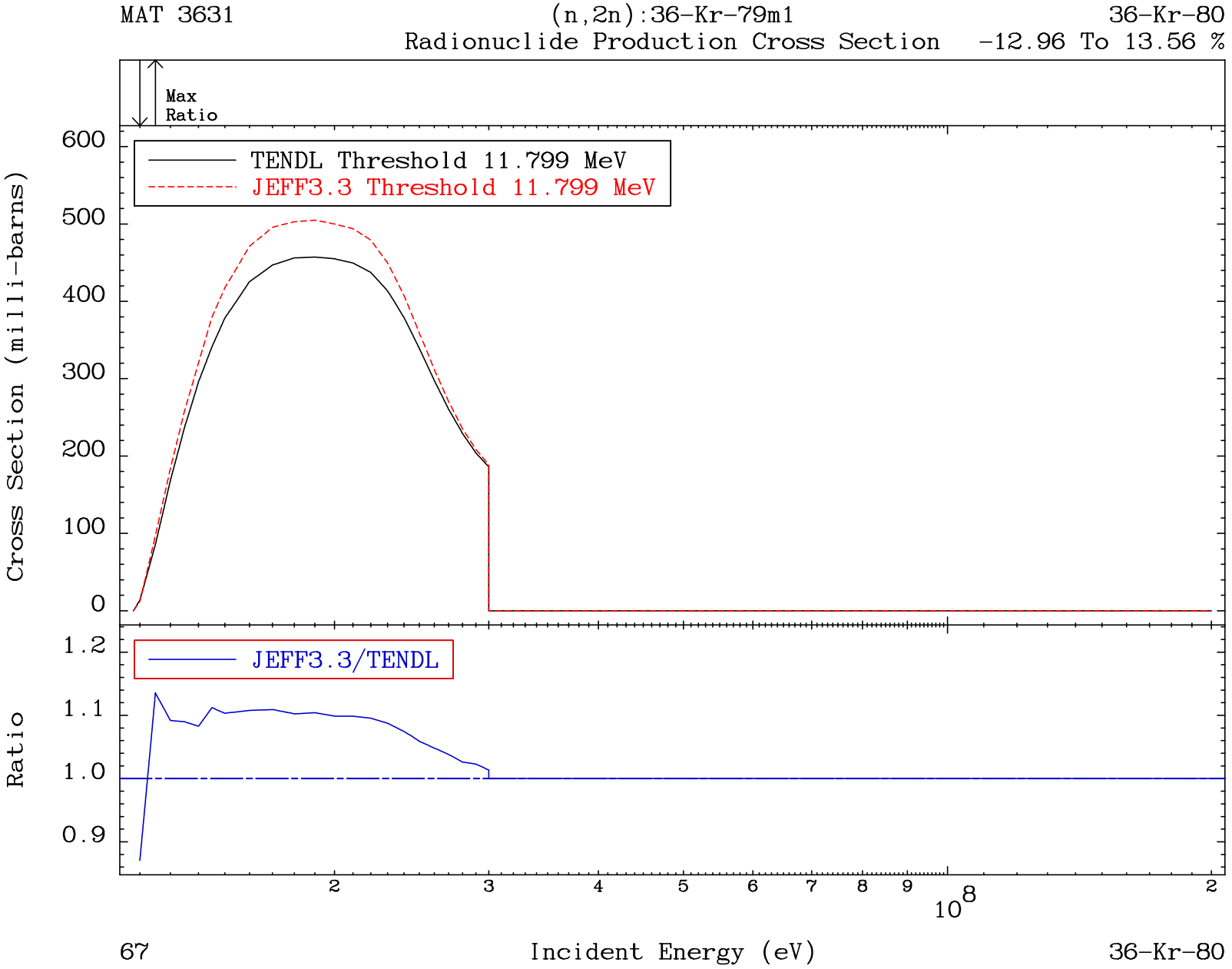

MAT 3631
Dpa inelastic (mt51-91)
Cross Section
36-Kr-80
-7.049 To 1.754 %
Max Ratio
Min Ratio
TENDL Threshold 624.38 keV
JEFF3.3 Threshold 624.38 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
62
36-Kr-80

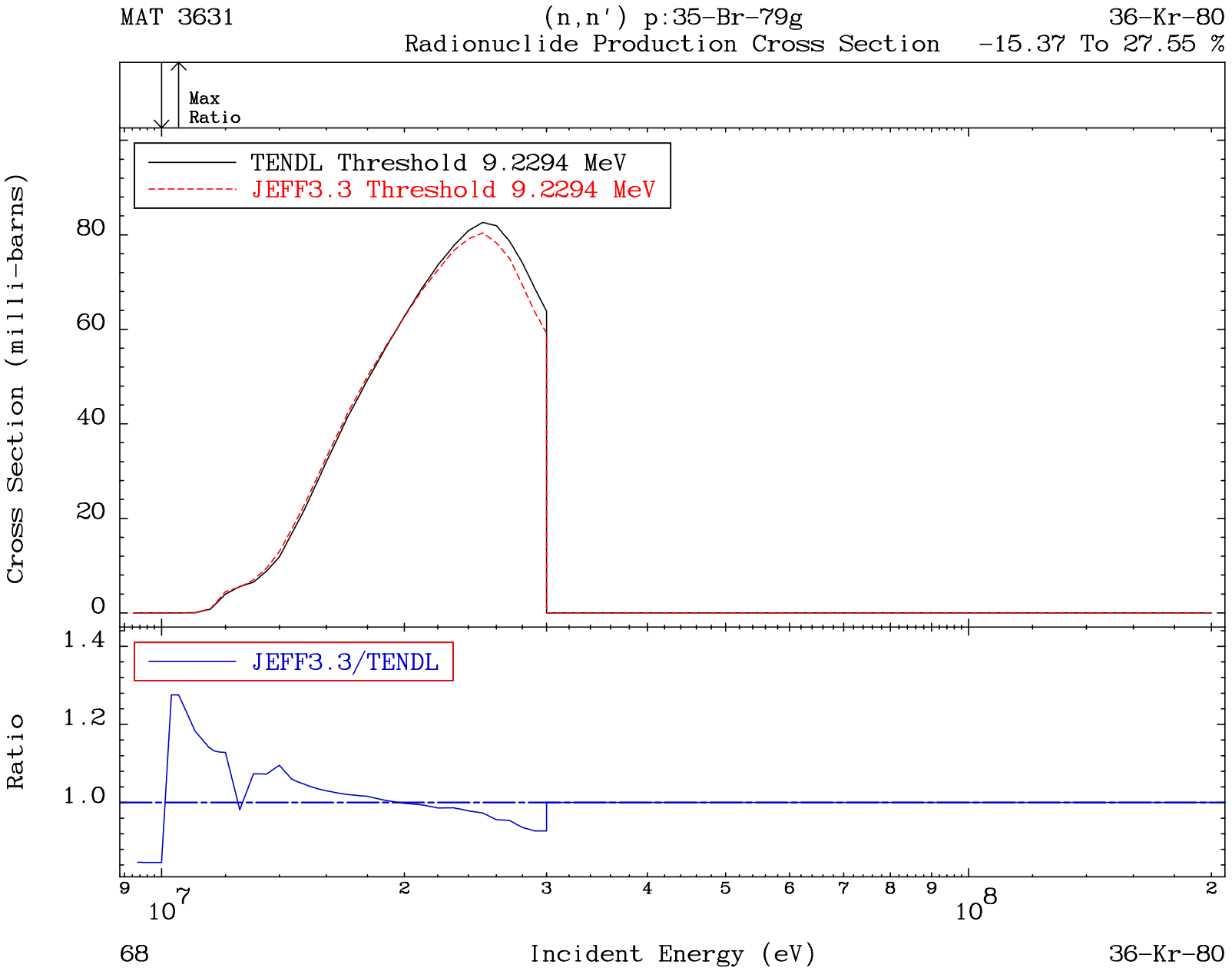

MAT 3631
Dpa disappearance (mt102 -120)
Cross Section
36-Kr-80
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
63
36-Kr-80

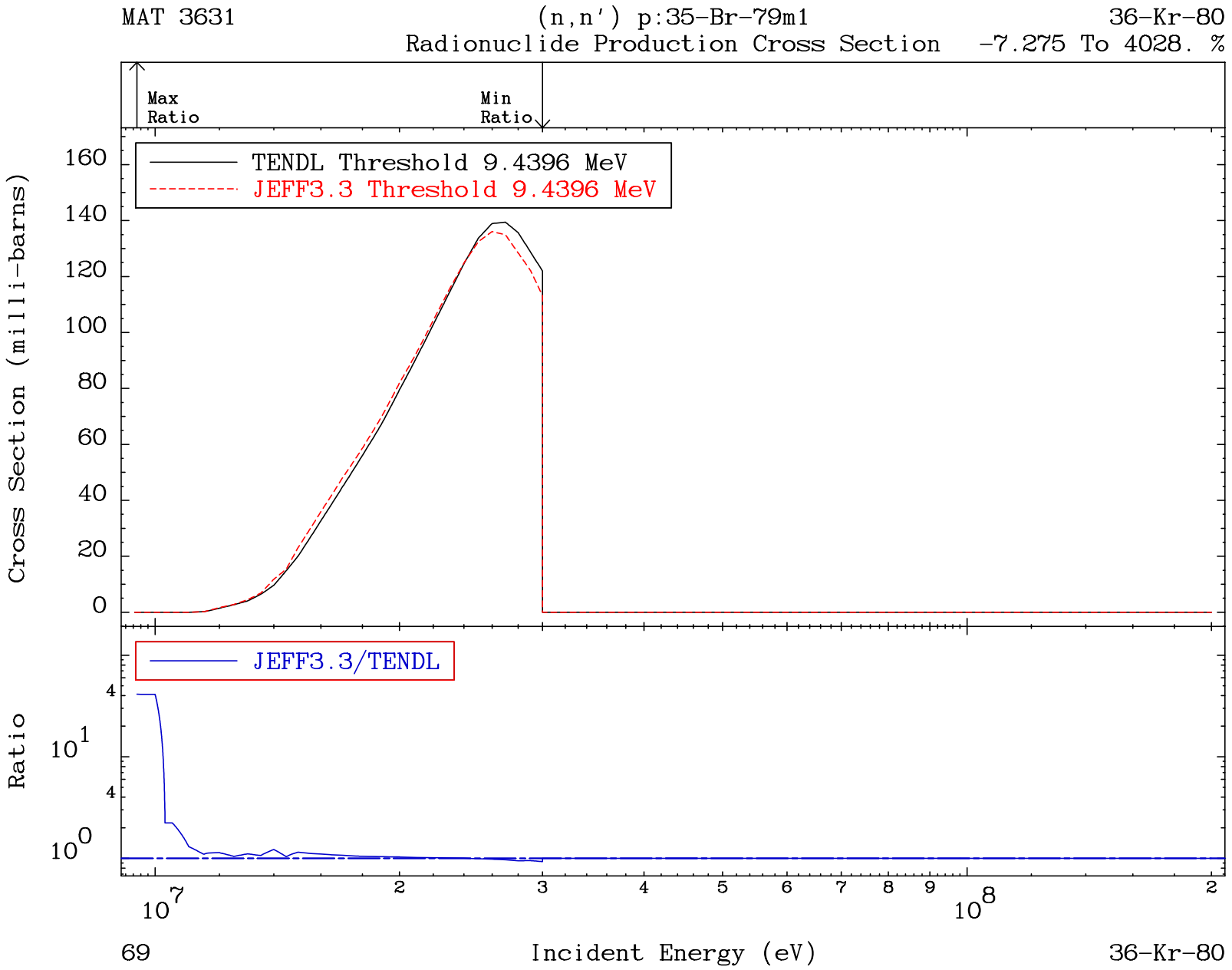

MAT 3631
(n,2n) d:35-Br-77g
36-Kr-80
Radionuclide Production Cross Section 0.000 To 9999. %
Min Ratio
TENDL Threshold 26.192 MeV
JEFF3.3 Threshold 26.192 MeV
Cross Section (micro-barns)
0
2
4
6
8
10
JEFF3.3/TENDL
Ratio
10^0
10^2
10^4
40
60
80
100
120
140
160
180
200
64
Incident Energy (MeV)
36-Kr-80

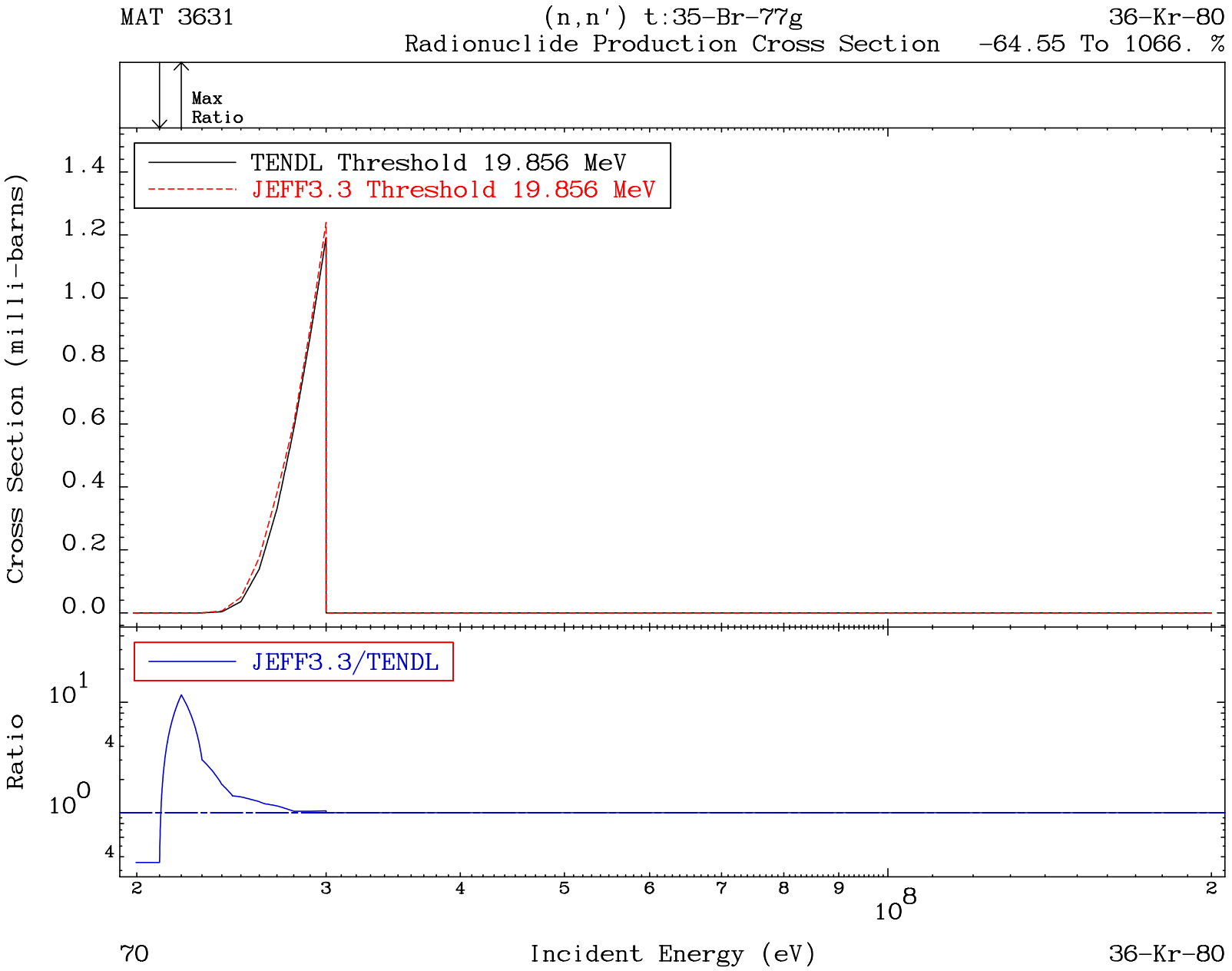

MAT 3631
(n,2n) d:35-Br-77m1
36-Kr-80
Radionuclide Production Cross Section 0.000 To 9999. %
Min Ratio
TENDL Threshold 26.299 MeV
JEFF3.3 Threshold 26.299 MeV
Cross Section (micro-barns)
0
2
4
6
8
10
12
14
JEFF3.3/TENDL
Ratio
10^0
10^2
10^4
40
60
80
100
120
140
160
180
200
65
Incident Energy (MeV)
36-Kr-80

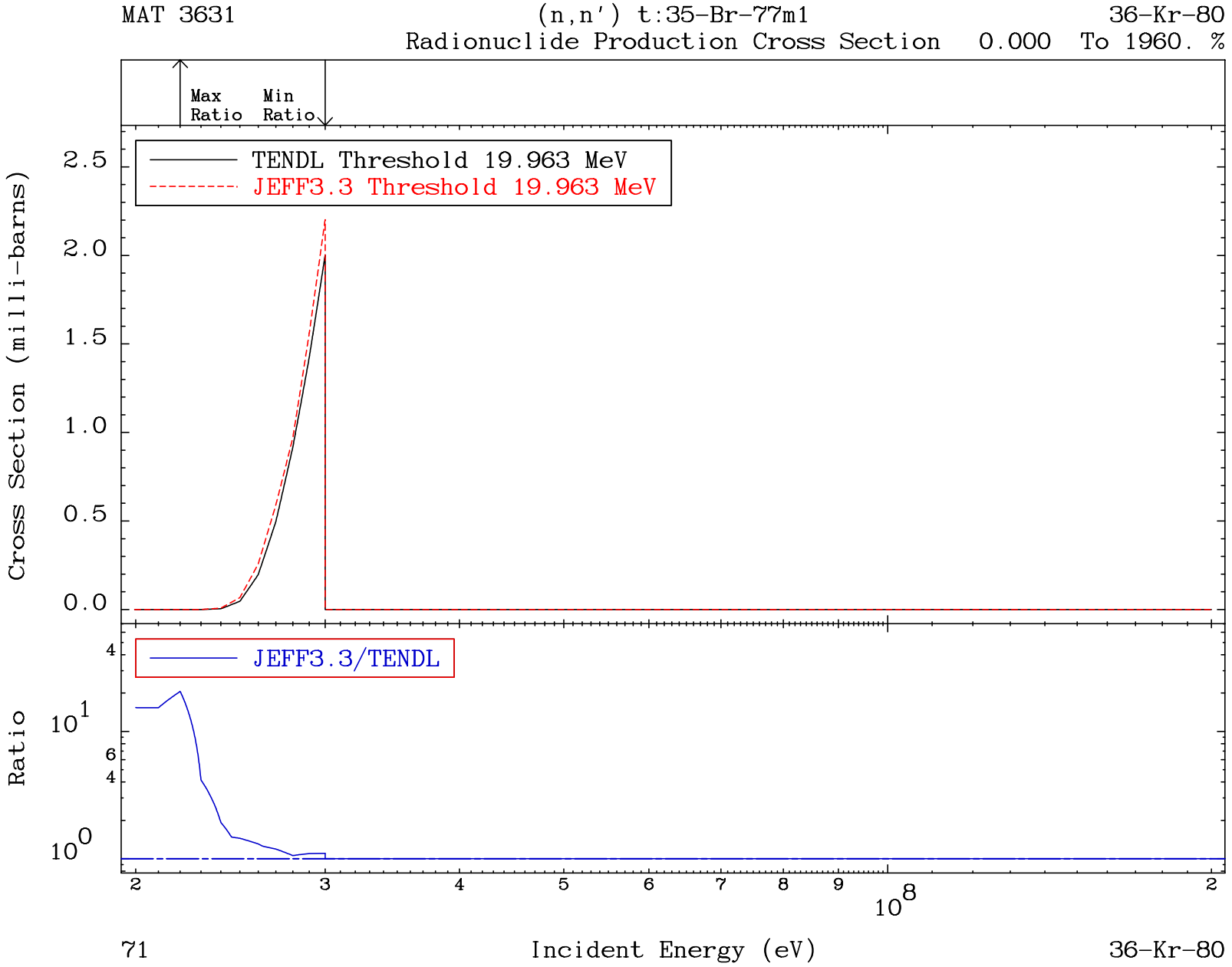

MAT 3631
(n,2n):36-Kr-79g
36-Kr-80
Radionuclide Production Cross Section -12.87 To 11.78 %
Max Ratio
Min Ratio
TENDL Threshold 11.668 MeV
JEFF3.3 Threshold 11.668 MeV
Cross Section (milli-barns)
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.1
1.0
0.9
2
3
4
5
6
7
8
9
10^8
2
66
Incident Energy (eV)
36-Kr-80

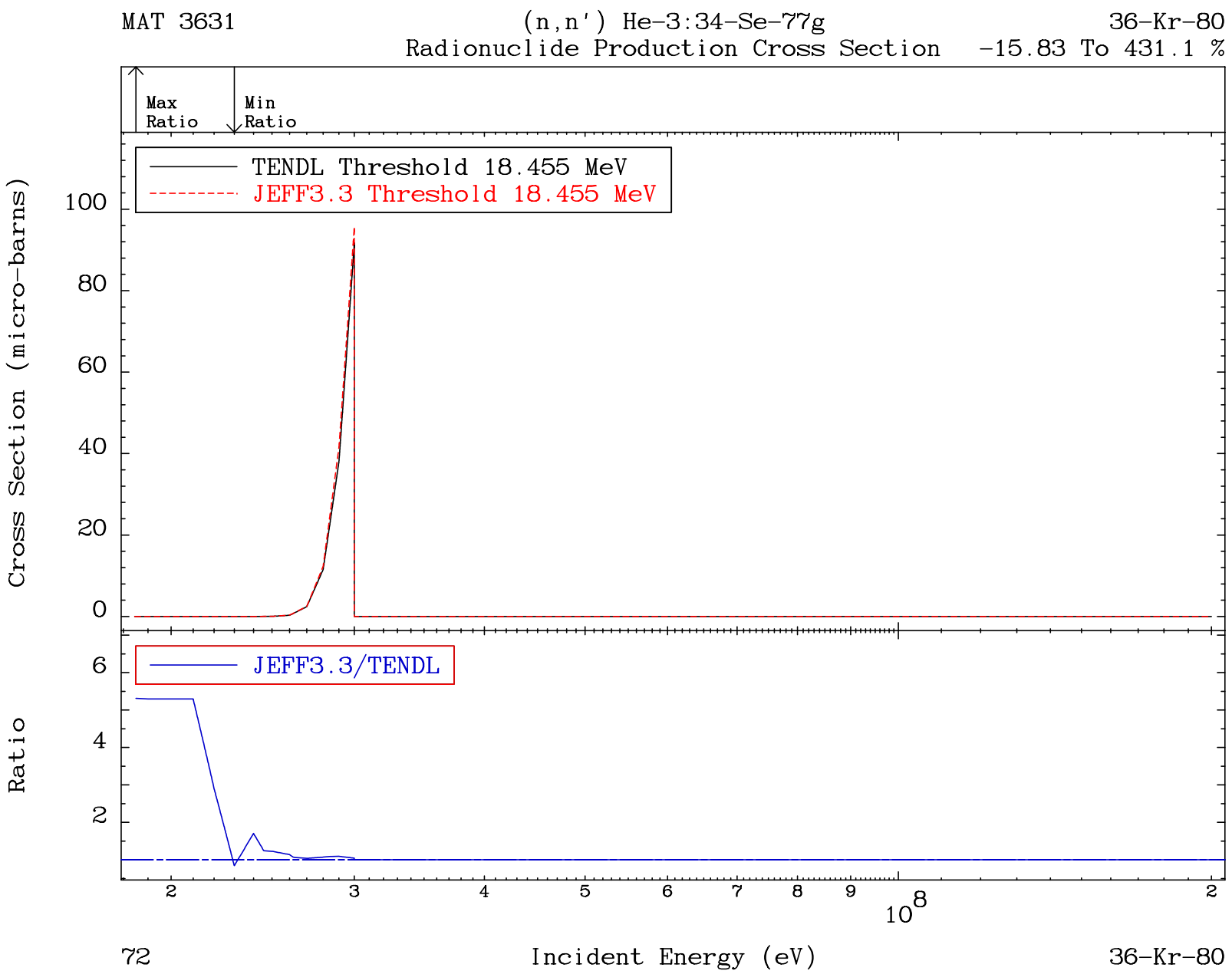

MAT 3631
(n,2n):36-Kr-79m1
36-Kr-80
Radionuclide Production Cross Section -12.96 To 13.56 %
Max
Ratio
TENDL Threshold 11.799 MeV
JEFF3.3 Threshold 11.799 MeV
Cross Section (milli-barns)
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.2
1.1
1.0
0.9
2
3
4
5
6
7
8
9
10^8
2
67
Incident Energy (eV)
36-Kr-80

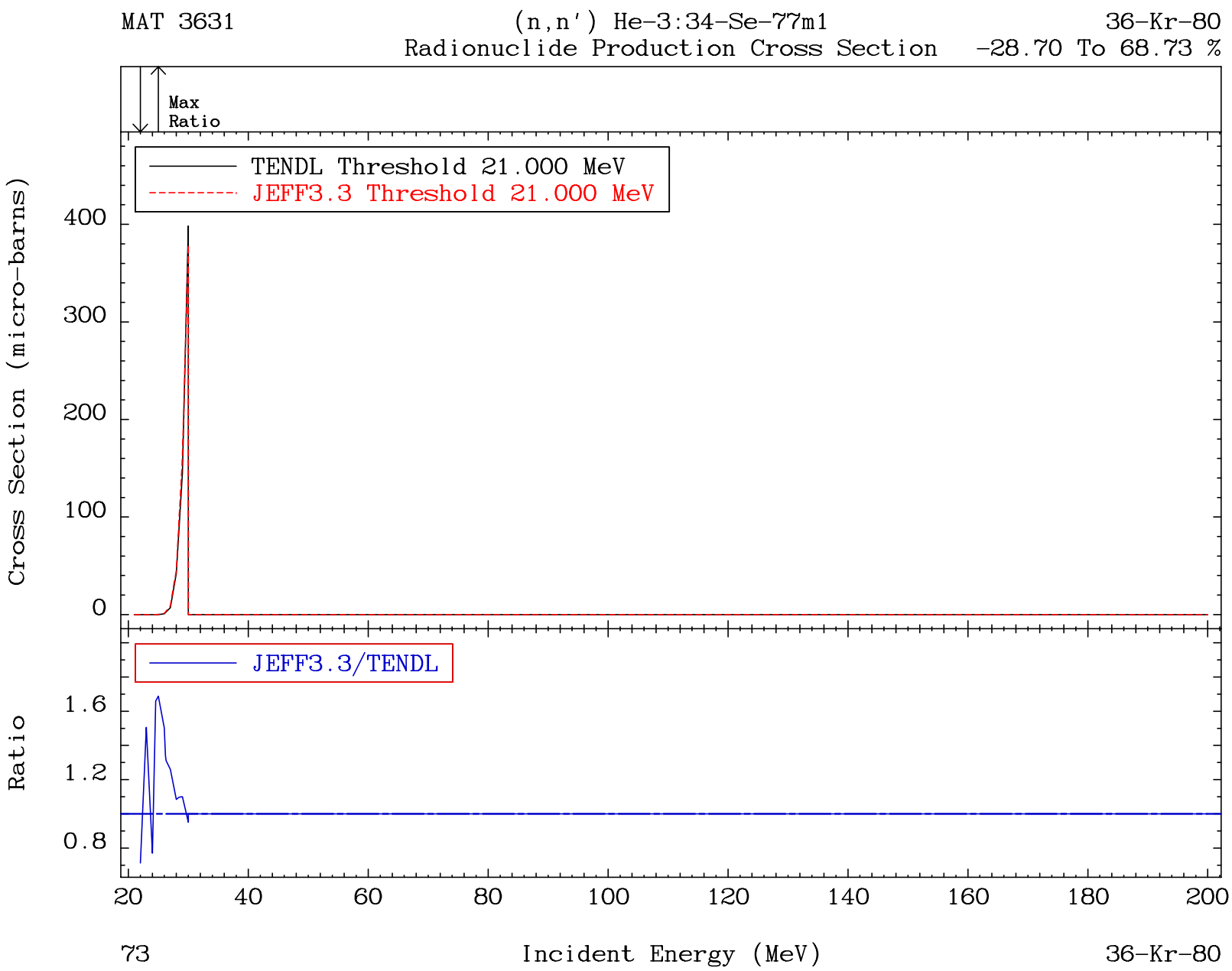

MAT 3631
(n,n') p:35-Br-79g
36-Kr-80
Radionuclide Production Cross Section -15.37 To 27.55 %
Max
Ratio
TENDL Threshold 9.2294 MeV
JEFF3.3 Threshold 9.2294 MeV
Cross Section (milli-barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.4
1.2
1.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
68
Incident Energy (eV)
36-Kr-80

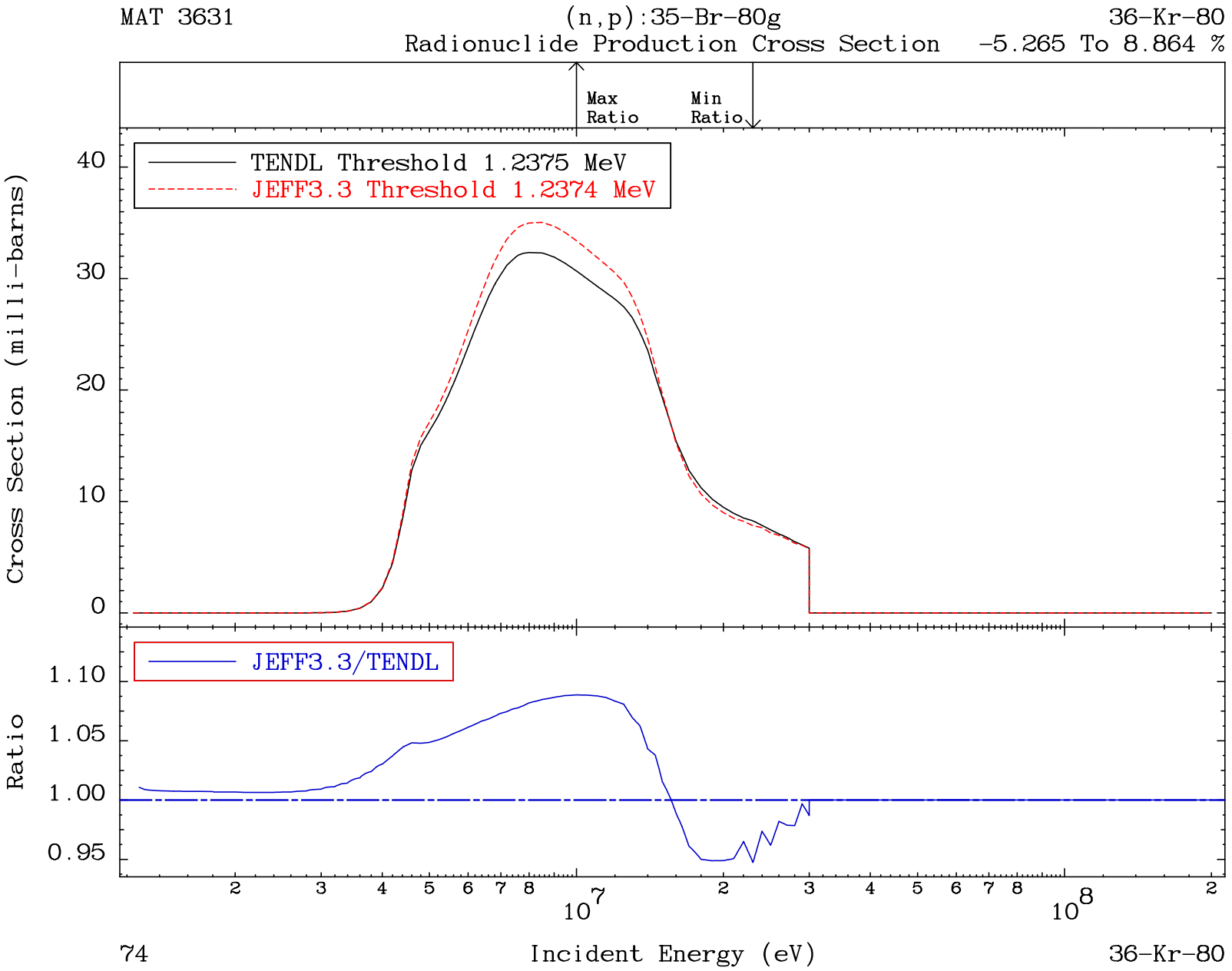

MAT 3631
(n,n') p:35-Br-79m1
36-Kr-80
Radionuclide Production Cross Section -7.275 To 4028. %
Max Ratio
Min Ratio
TENDL Threshold 9.4396 MeV
JEFF3.3 Threshold 9.4396 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
4
10^1
4
10^0
10^7
2
3
4
5
6
7
8
9
10^8
2
69
Incident Energy (eV)
36-Kr-80

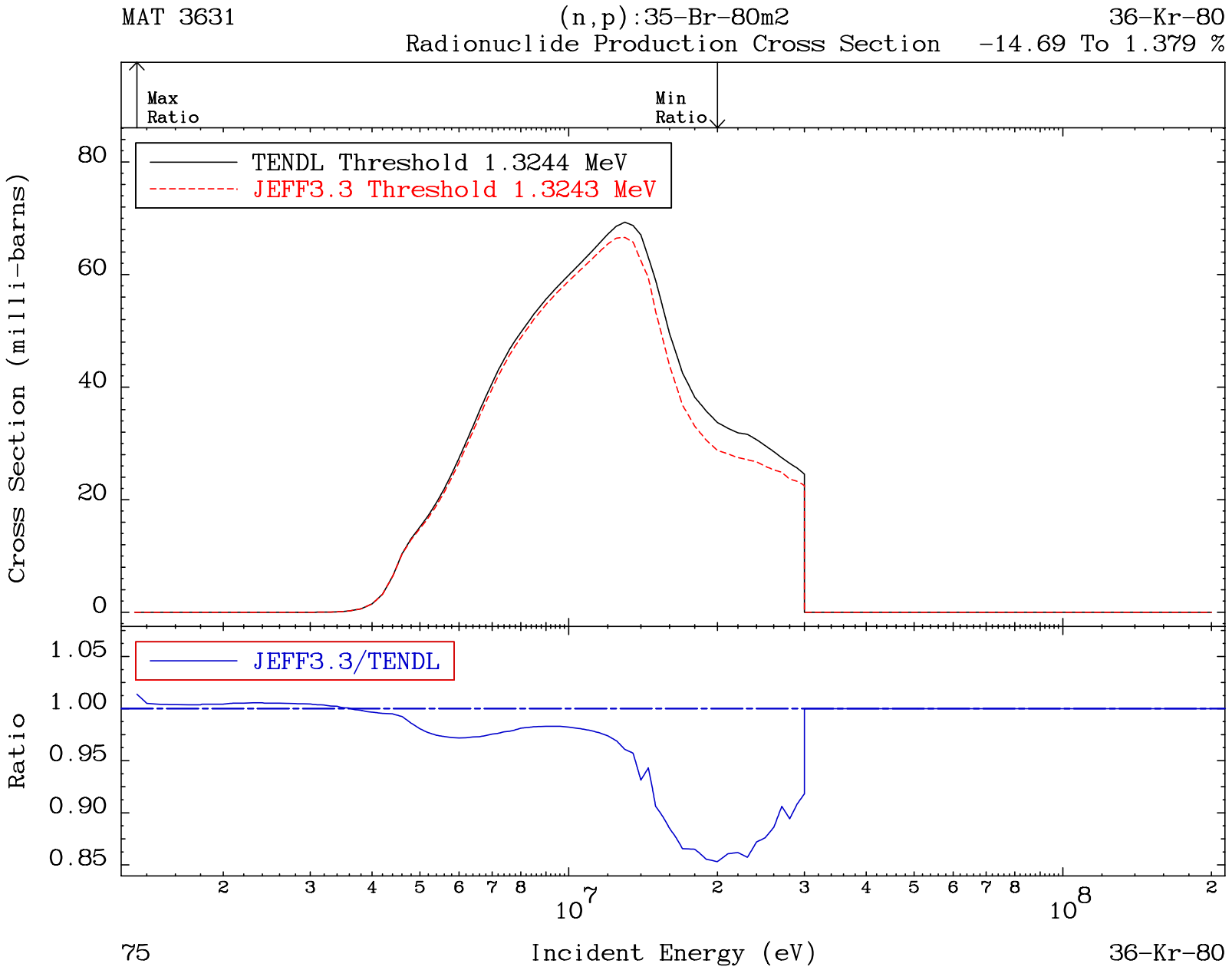

MAT 3631
(n,n') t:35-Br-77g
36-Kr-80
Radionuclide Production Cross Section -64.55 To 1066. %
Max
Ratio
TENDL Threshold 19.856 MeV
JEFF3.3 Threshold 19.856 MeV
Cross Section (milli-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
10^1
4
10^0
4
2
3
4
5
6
7
8
9
10^8
2
70
Incident Energy (eV)
36-Kr-80

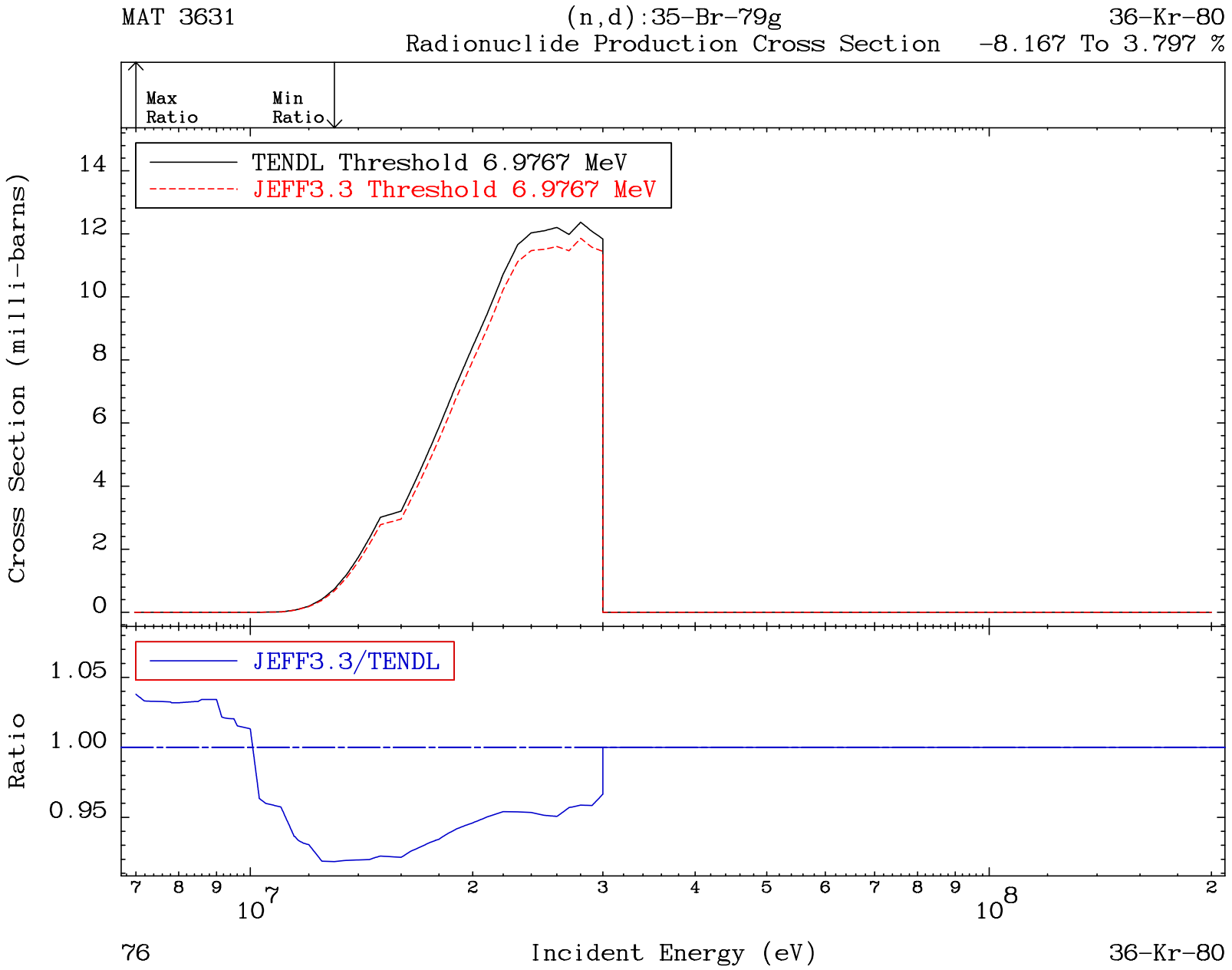

MAT 3631
(n,n') t:35-Br-77m1
36-Kr-80
Radionuclide Production Cross Section 0.000 To 1960. %
Max Ratio
Min Ratio
TENDL Threshold 19.963 MeV
JEFF3.3 Threshold 19.963 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
4
10^1
6
4
10^0
2
3
4
5
6
7
8
9
10^8
2
71
Incident Energy (eV)
36-Kr-80

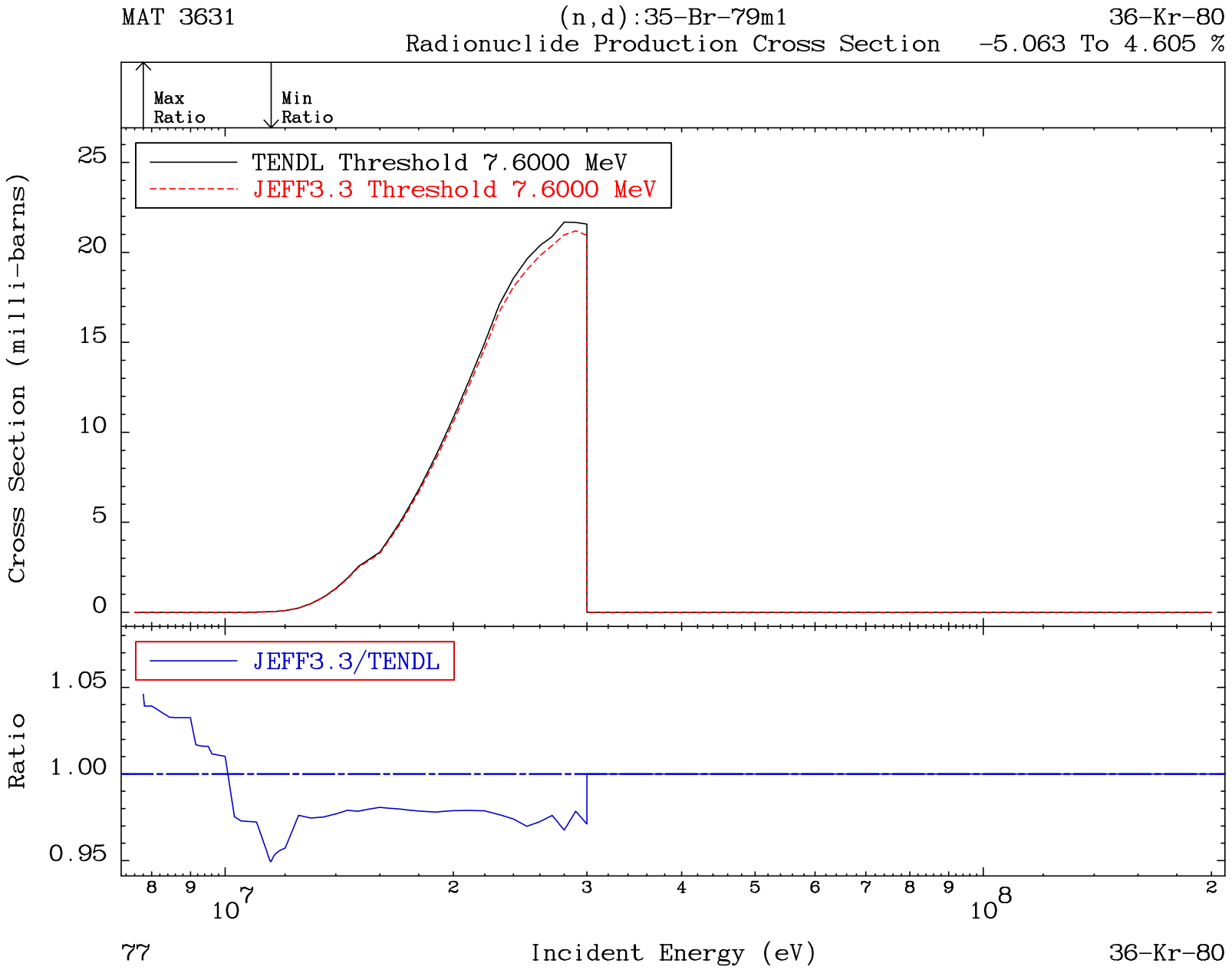

MAT 3631
(n,n') He-3:34-Se-77g
36-Kr-80
Radionuclide Production Cross Section
-15.83 To 431.1 %
Max Ratio
Min Ratio
TENDL Threshold 18.455 MeV
JEFF3.3 Threshold 18.455 MeV
Cross Section (micro-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
6
4
2
2
3
4
5
6
7
8
9
10^8
2
72
Incident Energy (eV)
36-Kr-80

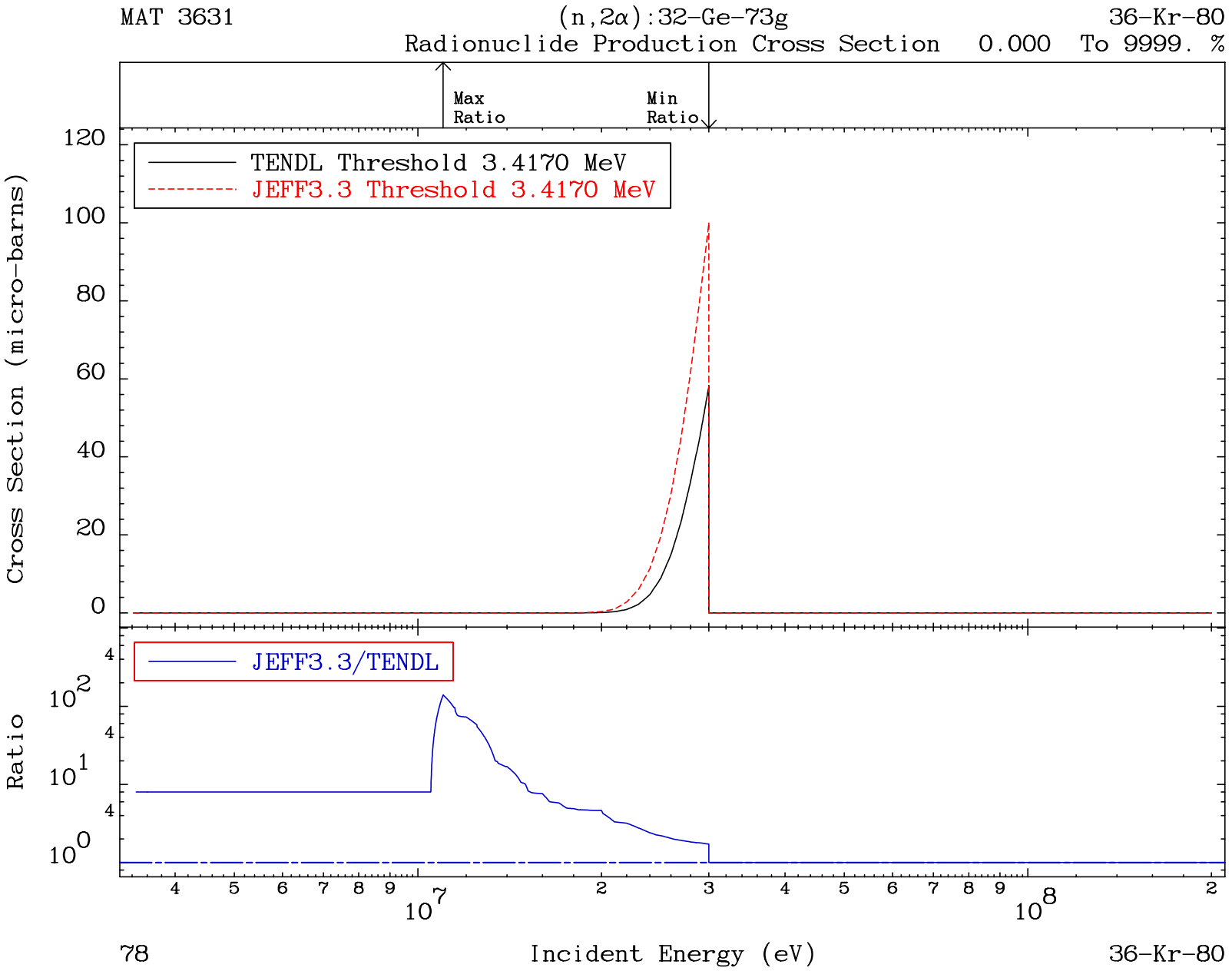

MAT 3631
(n,n') He-3:34-Se-77m1
36-Kr-80
Radionuclide Production Cross Section
-28.70 To 68.73 %
Max
Ratio
TENDL Threshold 21.000 MeV
JEFF3.3 Threshold 21.000 MeV
Cross Section (micro-barns)
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.6
1.2
0.8
20
40
60
80
100
120
140
160
180
200
73
Incident Energy (MeV)
36-Kr-80

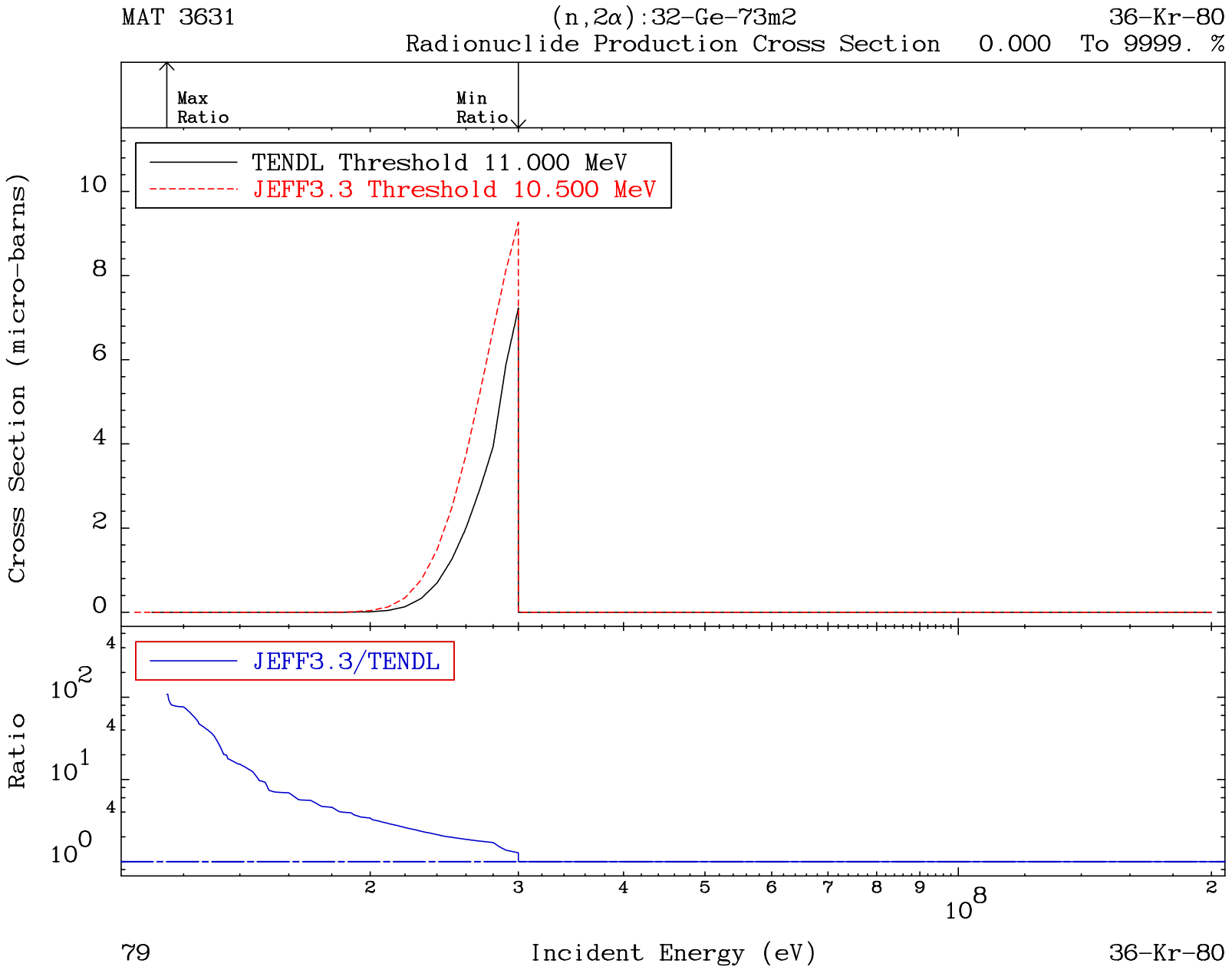

MAT 3631
(n,p):35-Br-80g
36-Kr-80
Radionuclide Production Cross Section
-5.265 To 8.864 %
Max Ratio
Min Ratio
TENDL Threshold 1.2375 MeV
JEFF3.3 Threshold 1.2374 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.10
1.05
1.00
0.95
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
74
Incident Energy (eV)
36-Kr-80

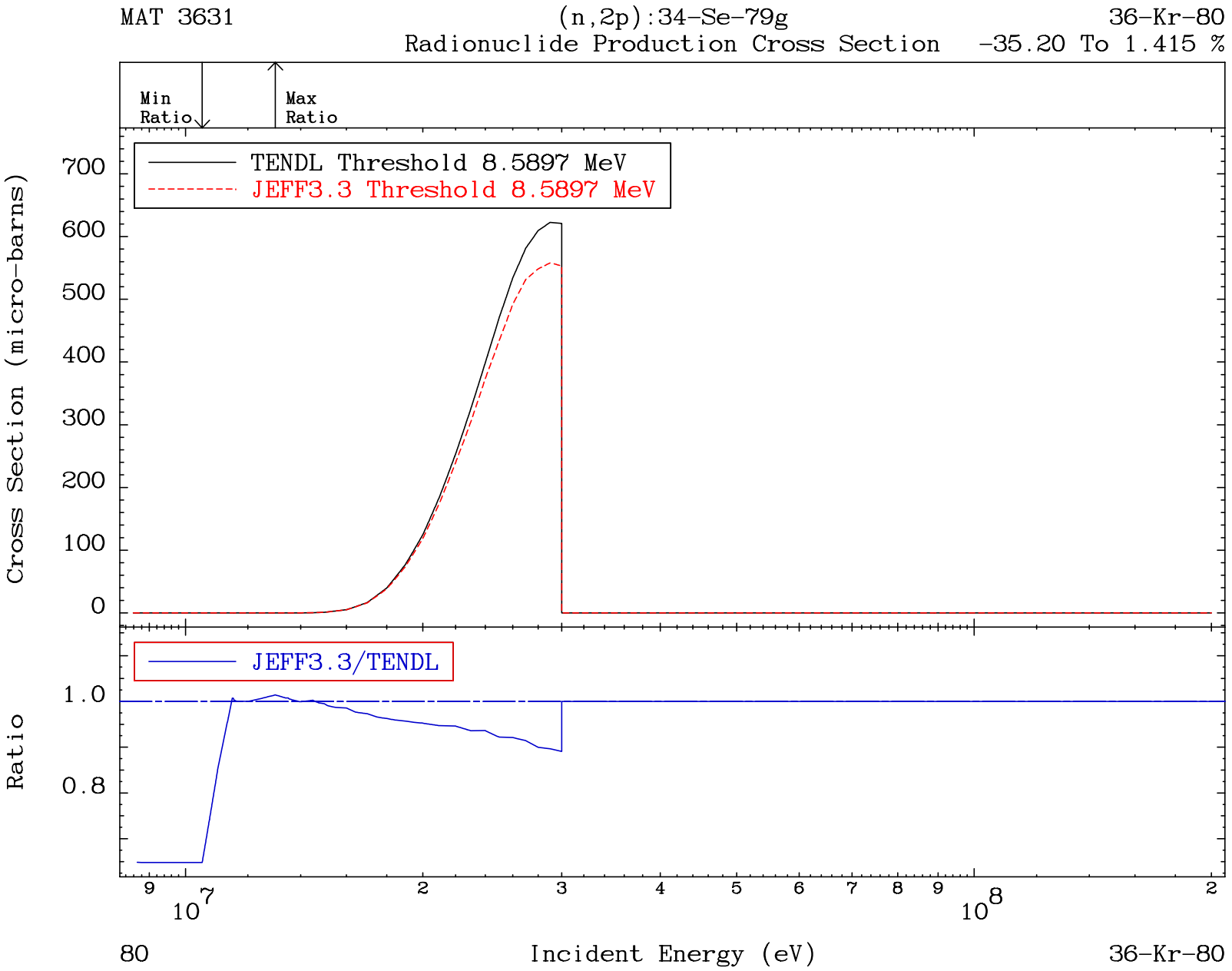

MAT 3631
(n,p):35-Br-80m2
36-Kr-80
Radionuclide Production Cross Section -14.69 To 1.379 %
Max Ratio
Min Ratio
TENDL Threshold 1.3244 MeV
JEFF3.3 Threshold 1.3243 MeV
Cross Section (milli-barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.05
1.00
0.95
0.90
0.85
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
75
Incident Energy (eV)
36-Kr-80

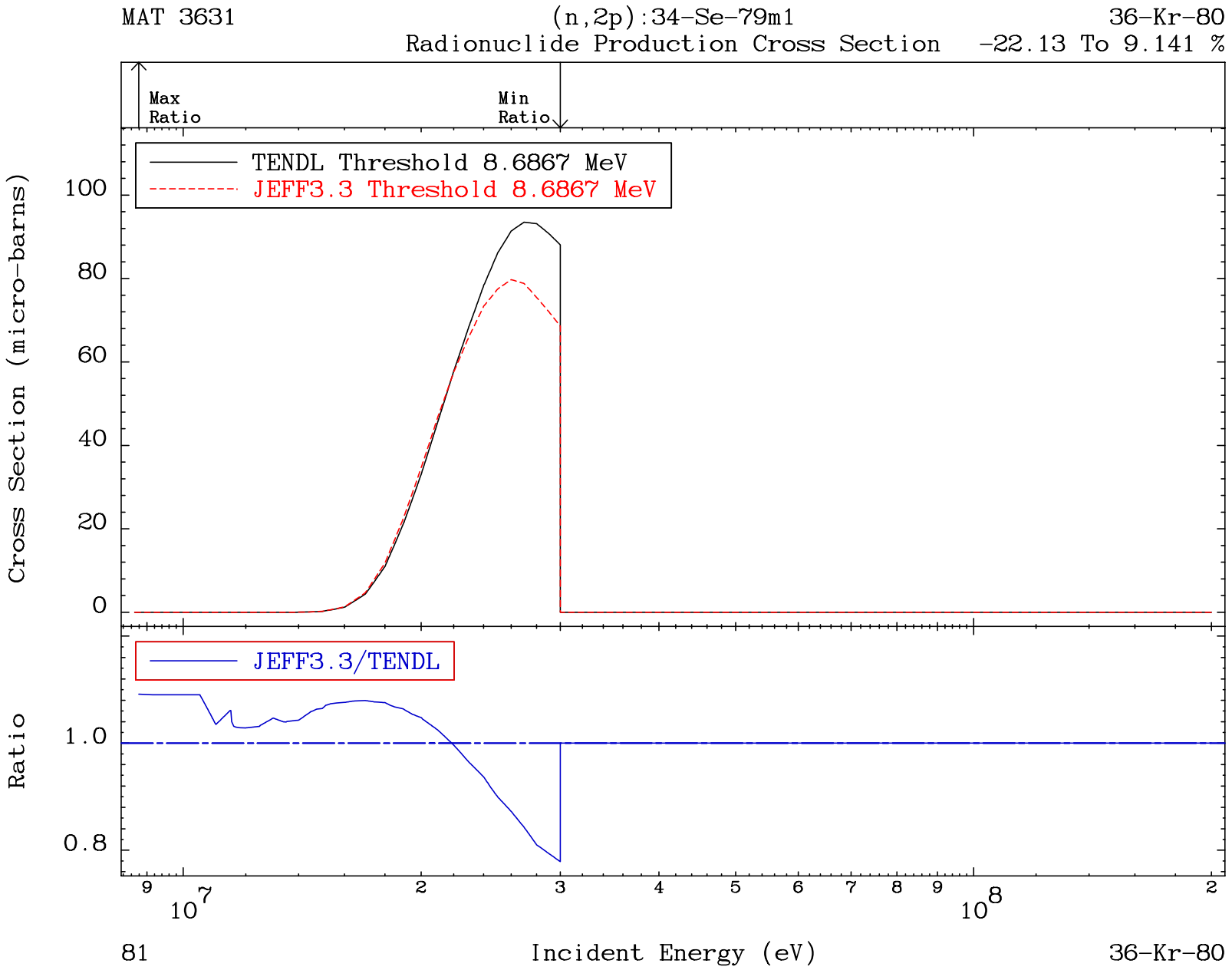

MAT 3631
(n,d):35-Br-79g
36-Kr-80
Radionuclide Production Cross Section
-8.167 To 3.797 %
Max Ratio
Min Ratio
TENDL Threshold 6.9767 MeV
JEFF3.3 Threshold 6.9767 MeV
Cross Section (milli-barns)
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.05
1.00
0.95
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
76
Incident Energy (eV)
36-Kr-80

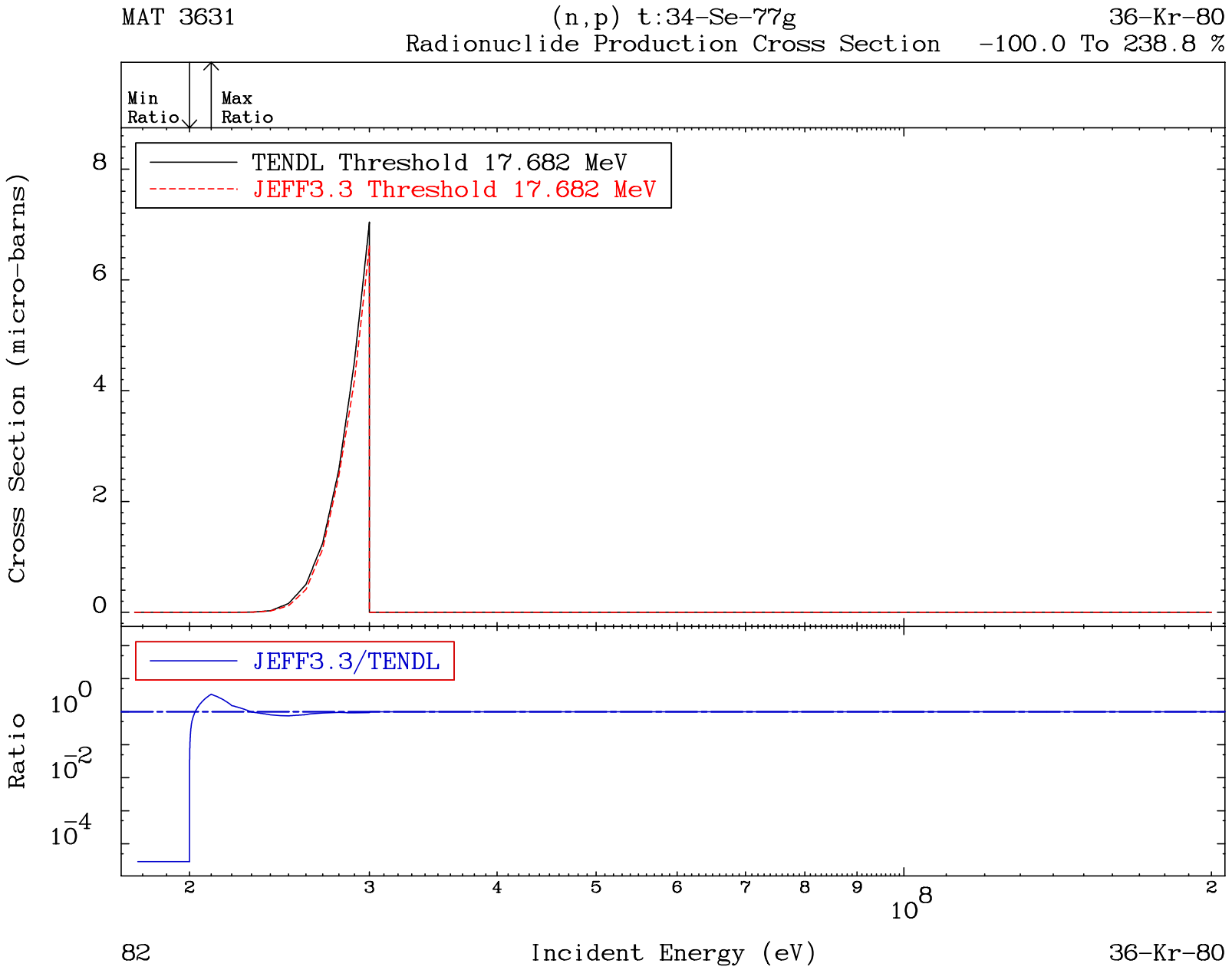

MAT 3631
(n,d):35-Br-79m1
36-Kr-80
Radionuclide Production Cross Section -5.063 To 4.605 %
Max Ratio
Min Ratio
TENDL Threshold 7.6000 MeV
JEFF3.3 Threshold 7.6000 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.05
1.00
0.95
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
77
Incident Energy (eV)
36-Kr-80

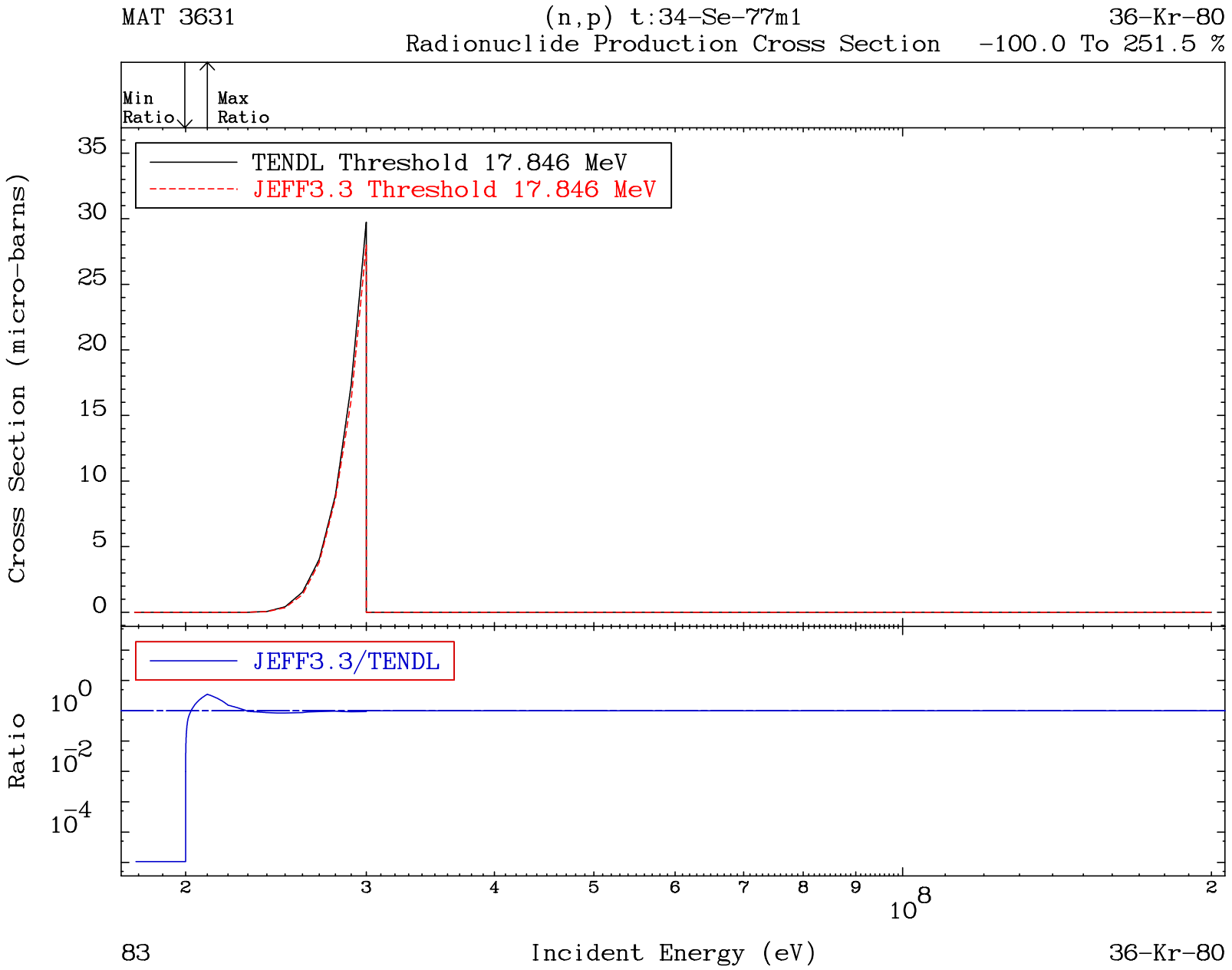

MAT 3631
(n,2α):32-Ge-73g
36-Kr-80
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.4170 MeV
JEFF3.3 Threshold 3.4170 MeV
Cross Section (micro-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
78
Incident Energy (eV)
36-Kr-80


MAT 3631
(n,2α):32-Ge-73m2
36-Kr-80
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 11.000 MeV
JEFF3.3 Threshold 10.500 MeV
Cross Section (micro-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
79
36-Kr-80


MAT 3631
(n,2p):34-Se-79g
36-Kr-80
Radionuclide Production Cross Section -35.20 To 1.415 %
Min Ratio
Max Ratio
TENDL Threshold 8.5897 MeV
JEFF3.3 Threshold 8.5897 MeV
Cross Section (micro-barns)
700
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.0
0.8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
80
Incident Energy (eV)
36-Kr-80


MAT 3631
(n,2p):34-Se-79m1
36-Kr-80
Radionuclide Production Cross Section -22.13 To 9.141 %
Max Ratio
Min Ratio
TENDL Threshold 8.6867 MeV
JEFF3.3 Threshold 8.6867 MeV
Cross Section (micro-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.0
0.8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
81
Incident Energy (eV)
36-Kr-80


MAT 3631
(n,p) t:34-Se-77g
36-Kr-80
Radionuclide Production Cross Section -100.0 To 238.8 %
Min Ratio
Max Ratio
TENDL Threshold 17.682 MeV
JEFF3.3 Threshold 17.682 MeV
Cross Section (micro-barns)
0
2
4
6
8
JEFF3.3/TENDL
Ratio
10^0
10^-2
10^-4
2
3
4
5
6
7
8
9
10^8
2
82
Incident Energy (eV)
36-Kr-80


MAT 3631
(n,p) t:34-Se-77m1
36-Kr-80
Radionuclide Production Cross Section -100.0 To 251.5 %
Min Ratio
Max Ratio
TENDL Threshold 17.846 MeV
JEFF3.3 Threshold 17.846 MeV
Cross Section (micro-barns)
0
5
10
15
20
25
30
35
JEFF3.3/TENDL
Ratio
10^{0}
10^{-2}
10^{-4}
2
3
4
5
6
7
8
9
10^{8}
2
83
Incident Energy (eV)
36-Kr-80