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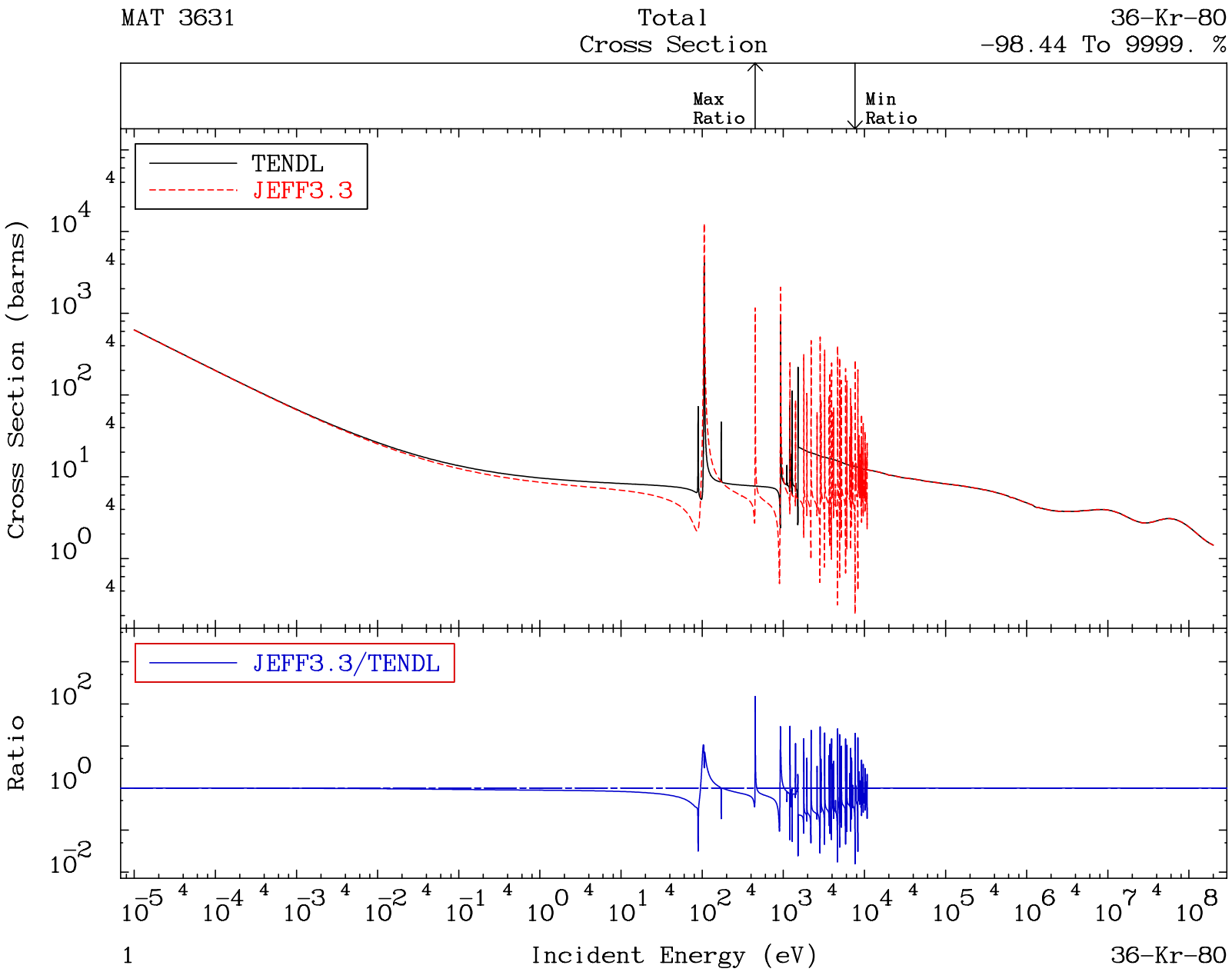
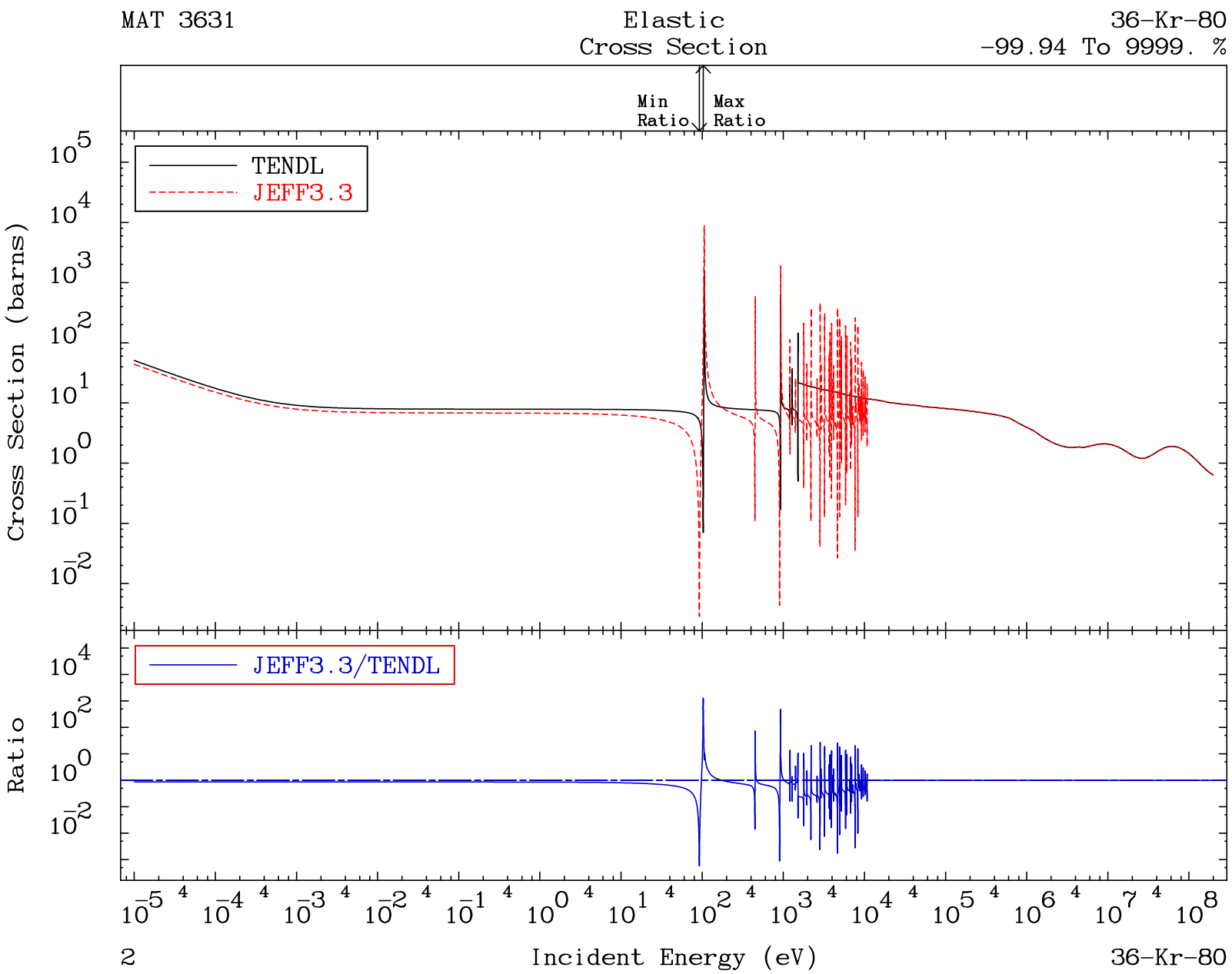
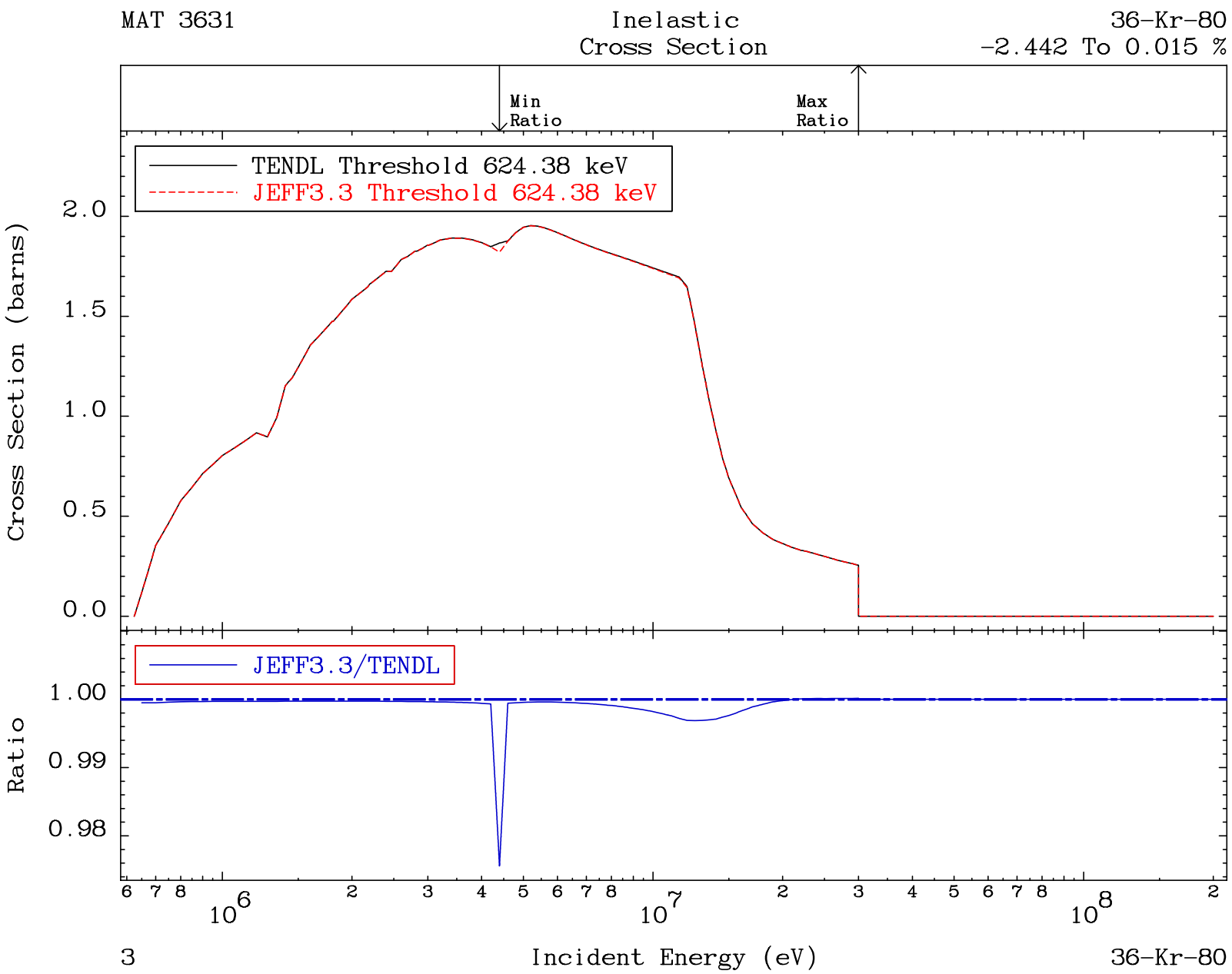
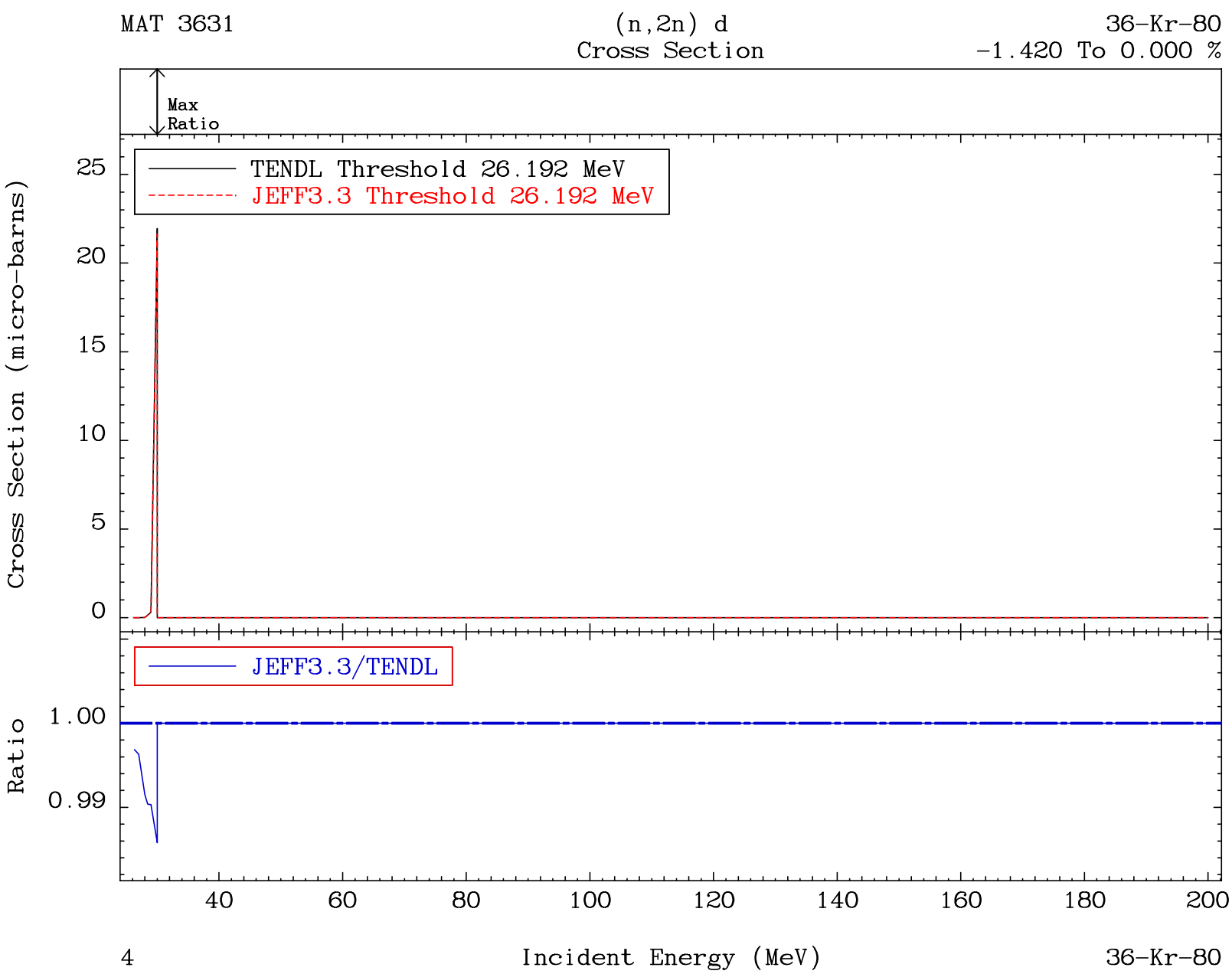
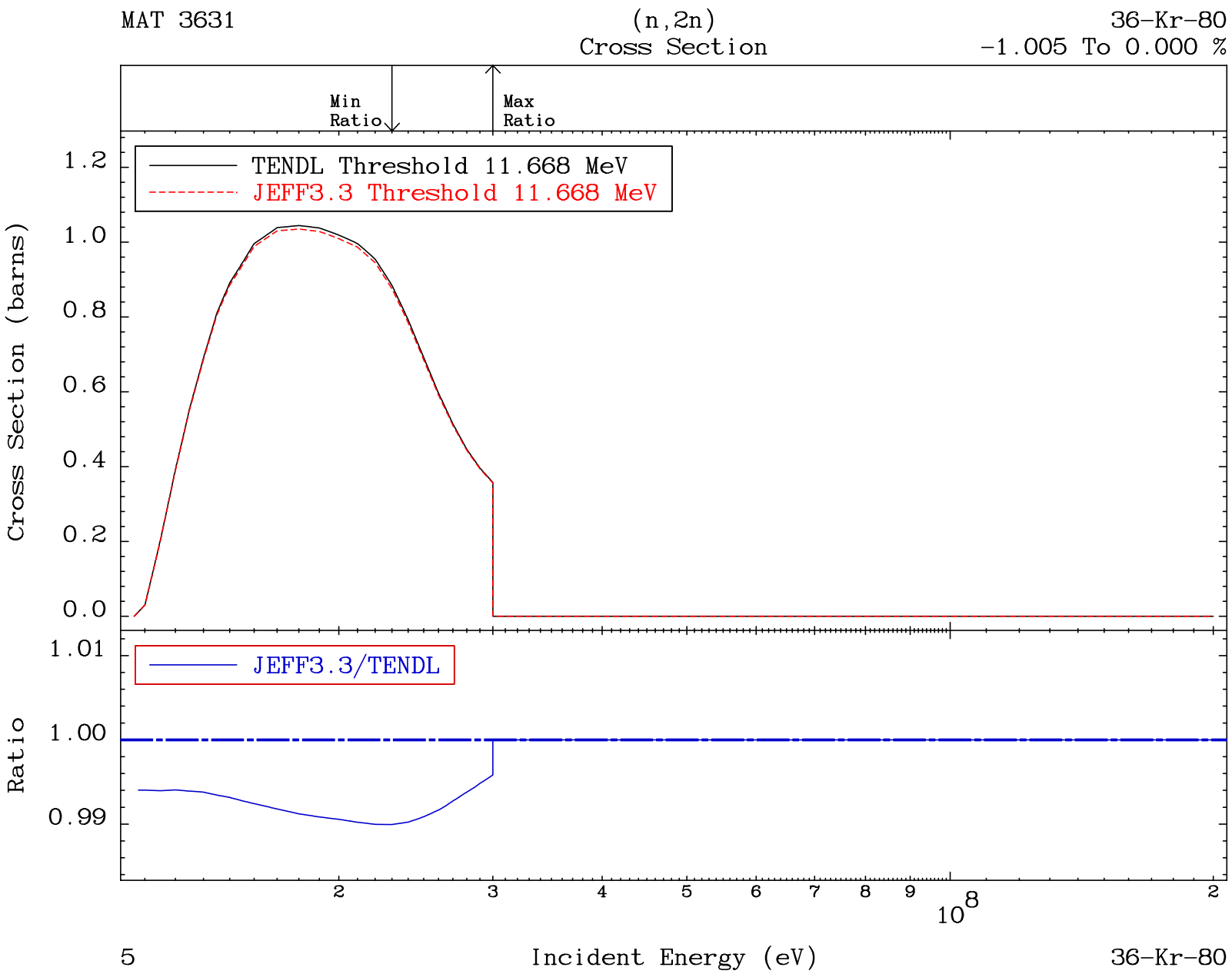
Press Mouse Button to Start

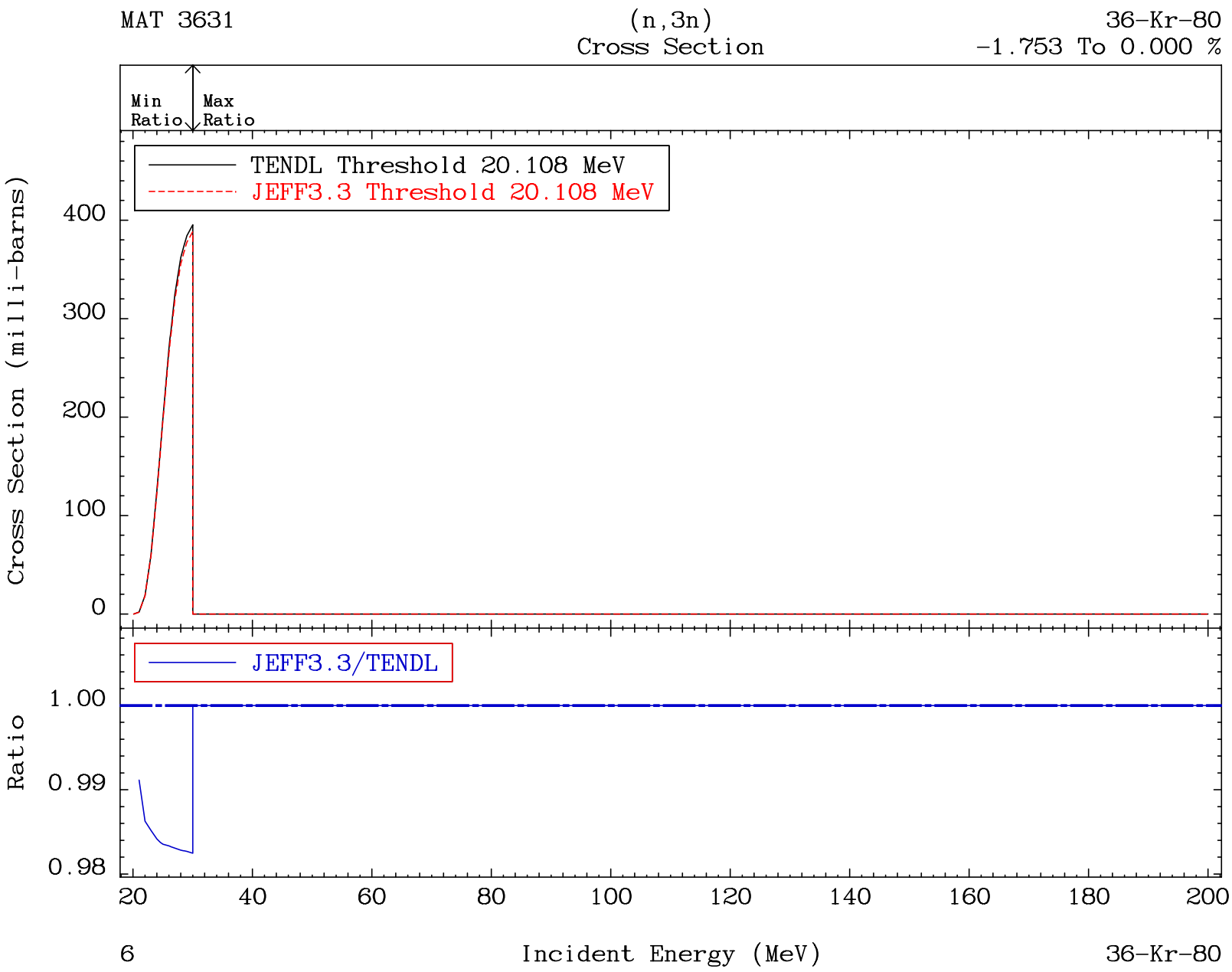

MAT 3631
Total
Cross Section
36-Kr-80
-98.44 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
1
36-Kr-80

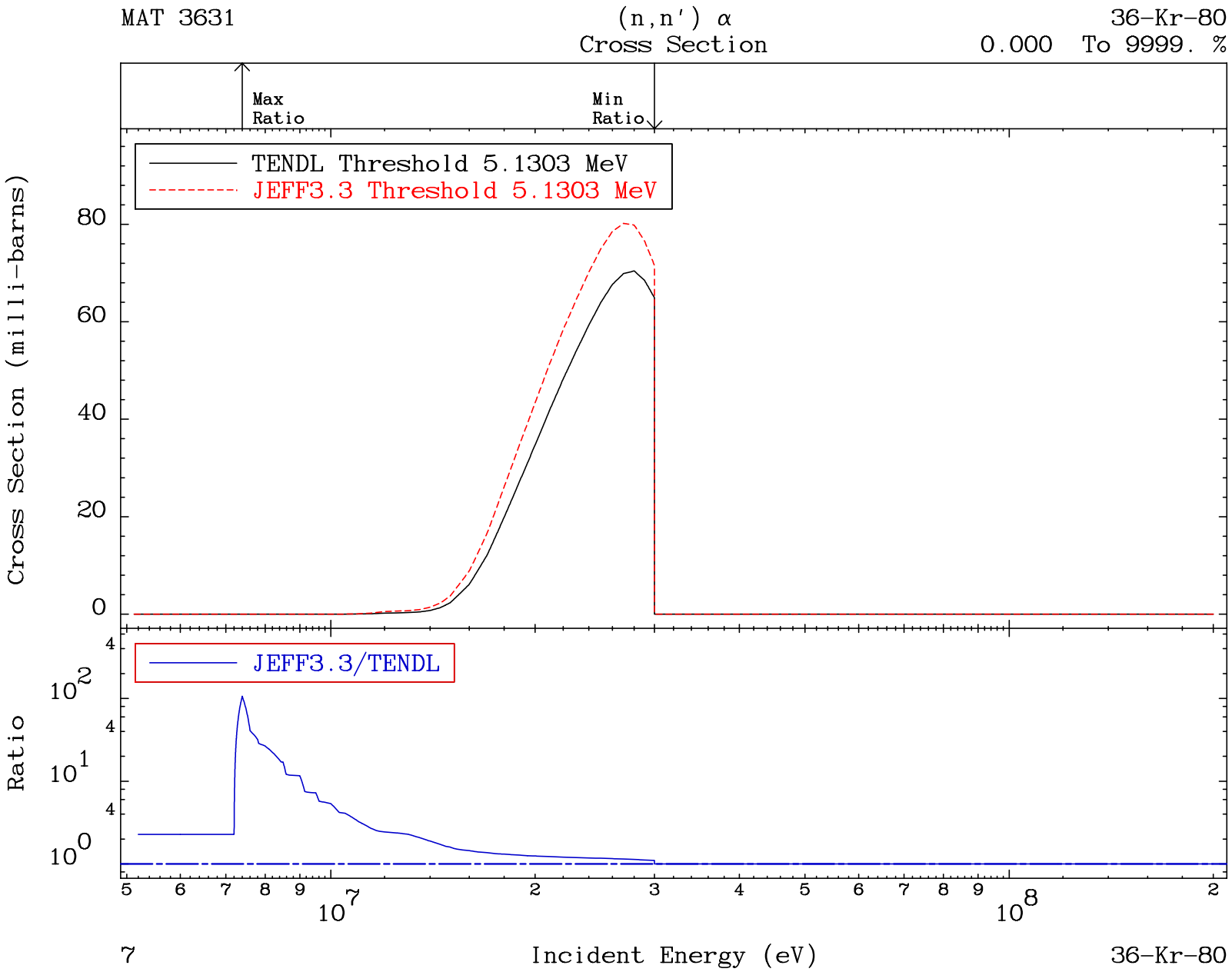

MAT 3631
Elastic
Cross Section
36-Kr-80
-99.94 To 9999. %
Min
Ratio
Max
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
2
36-Kr-80

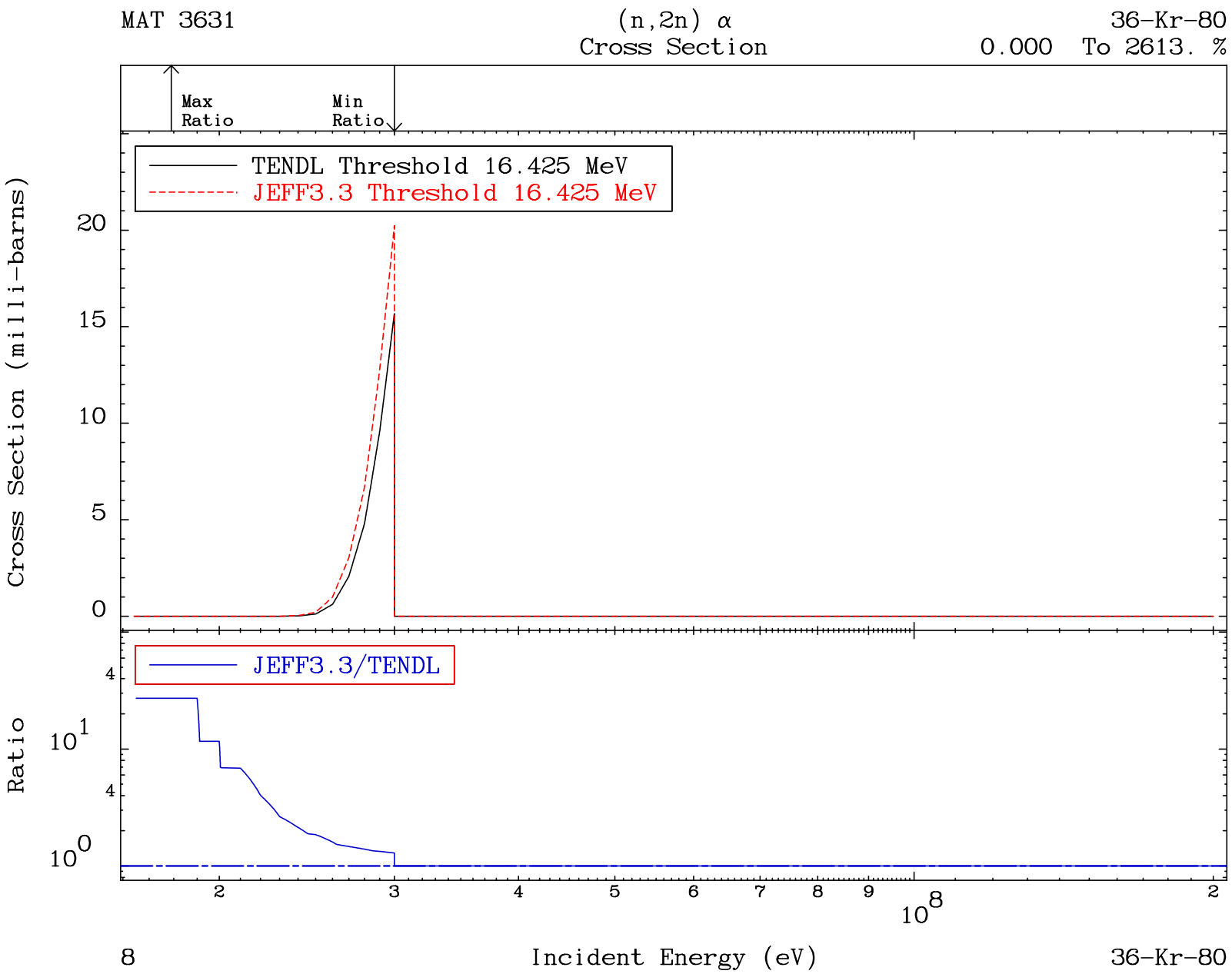

MAT 3631
Inelastic
Cross Section
36-Kr-80
-2.442 To 0.015 %
Min
Ratio
Max
Ratio
TENDL Threshold 624.38 keV
JEFF3.3 Threshold 624.38 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.00
0.99
0.98
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
3
Incident Energy (eV)
36-Kr-80

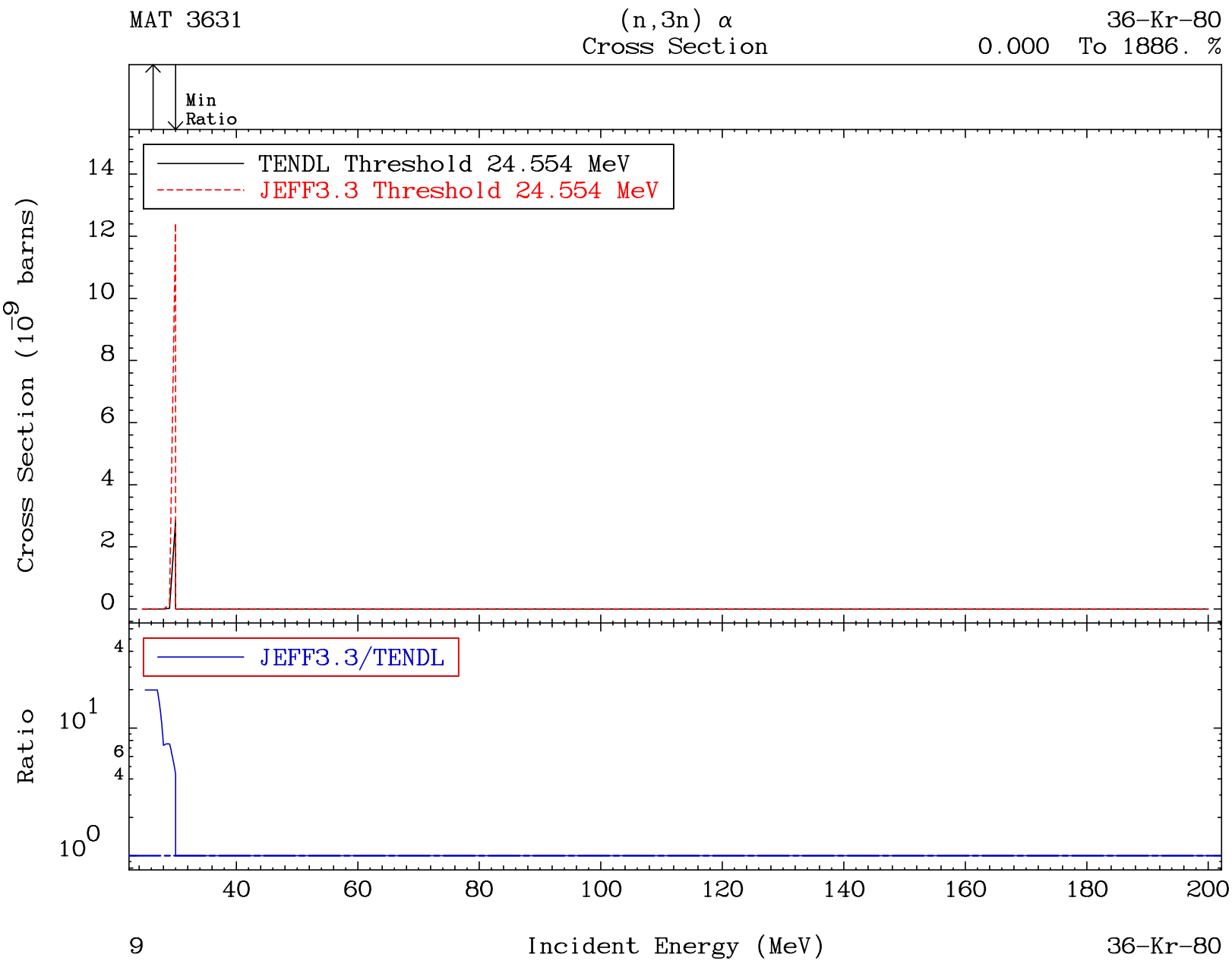

MAT 3631
(n,2n) d
Cross Section
36-Kr-80
-1.420 To 0.000 %
Max
Ratio
TENDL Threshold 26.192 MeV
JEFF3.3 Threshold 26.192 MeV
Cross Section (micro-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.00
0.99
40
60
80
100
120
140
160
180
200
4
Incident Energy (MeV)
36-Kr-80

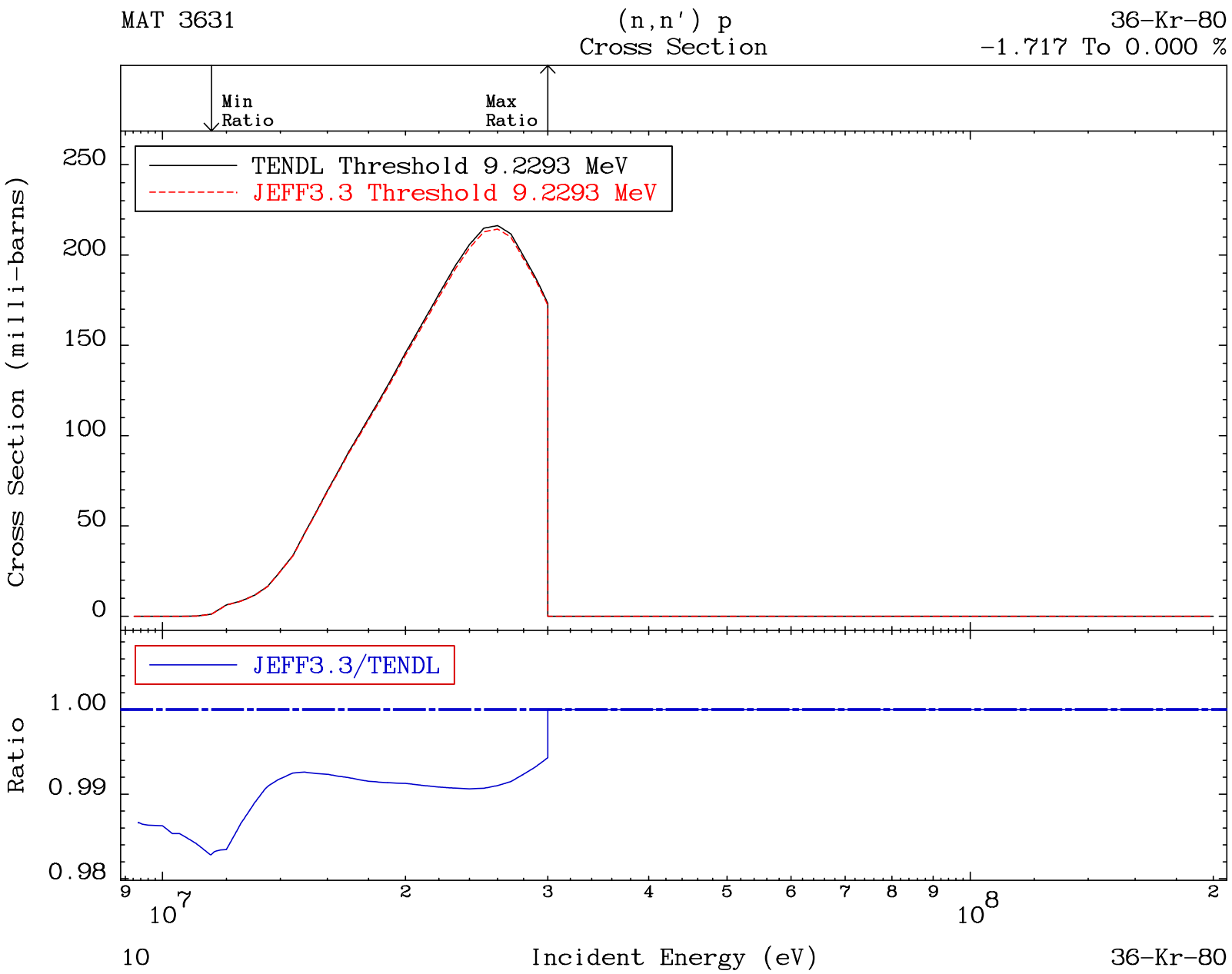

MAT 3631
(n,2n)
Cross Section
36-Kr-80
-1.005 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 11.668 MeV
JEFF3.3 Threshold 11.668 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
36-Kr-80

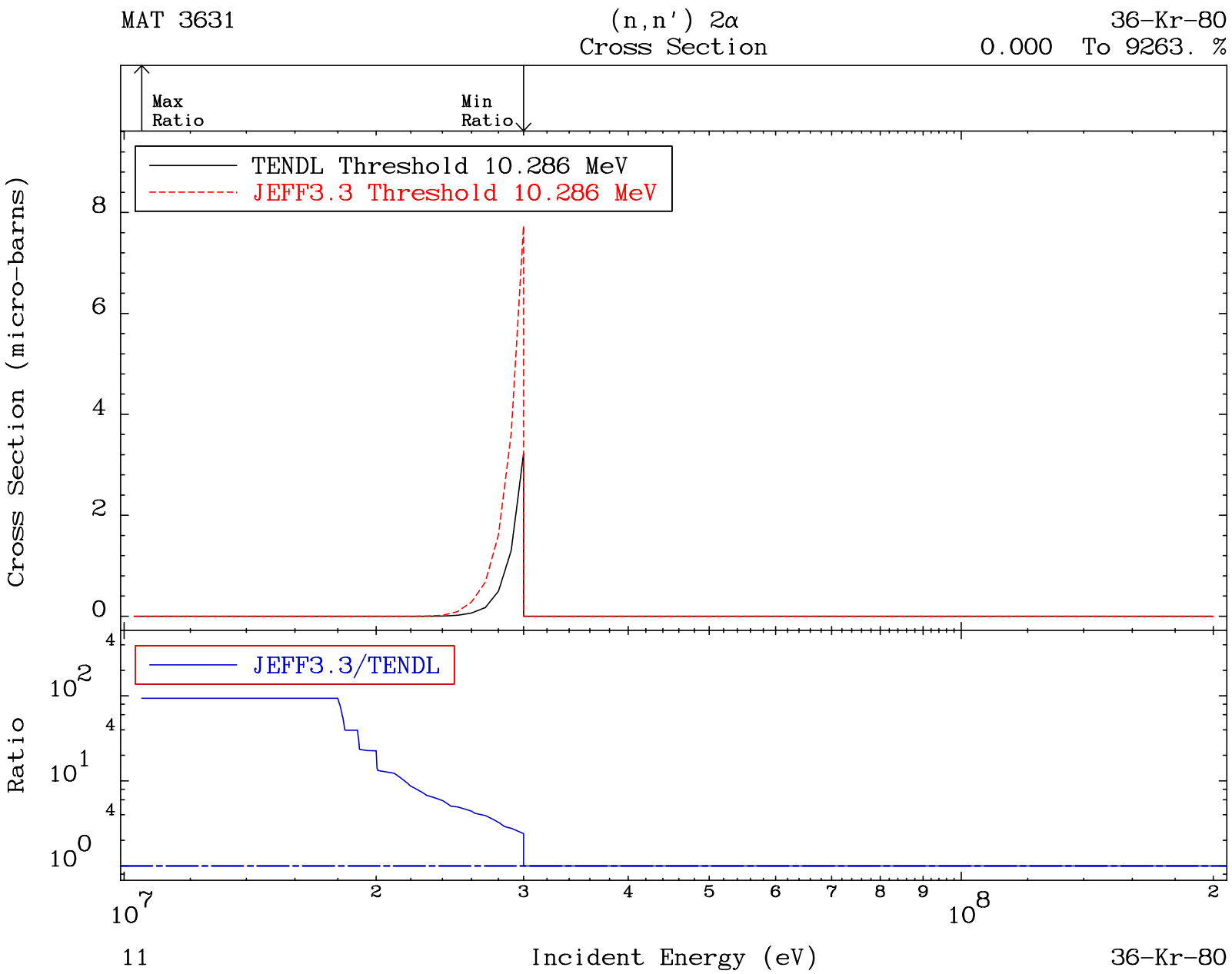

MAT 3631
(n,3n)
Cross Section
36-Kr-80
-1.753 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 20.108 MeV
JEFF3.3 Threshold 20.108 MeV
Cross Section (milli-barns)
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.00
0.99
0.98
20
40
60
80
100
120
140
160
180
200
6
Incident Energy (MeV)
36-Kr-80

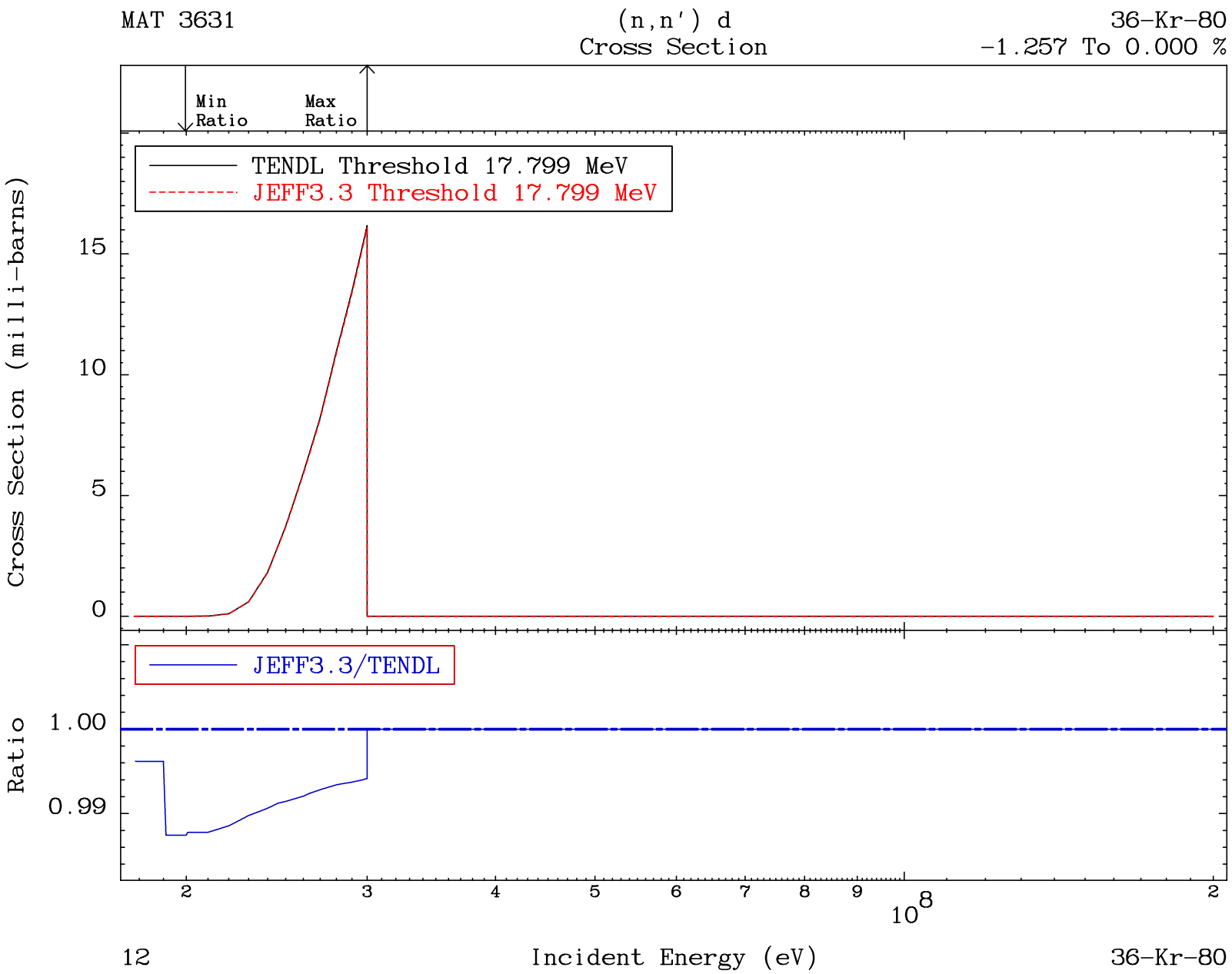

MAT 3631
(n,n') α
Cross Section
36-Kr-80
0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.1303 MeV
JEFF3.3 Threshold 5.1303 MeV
Cross Section (milli-barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
4
5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
7
Incident Energy (eV)
36-Kr-80

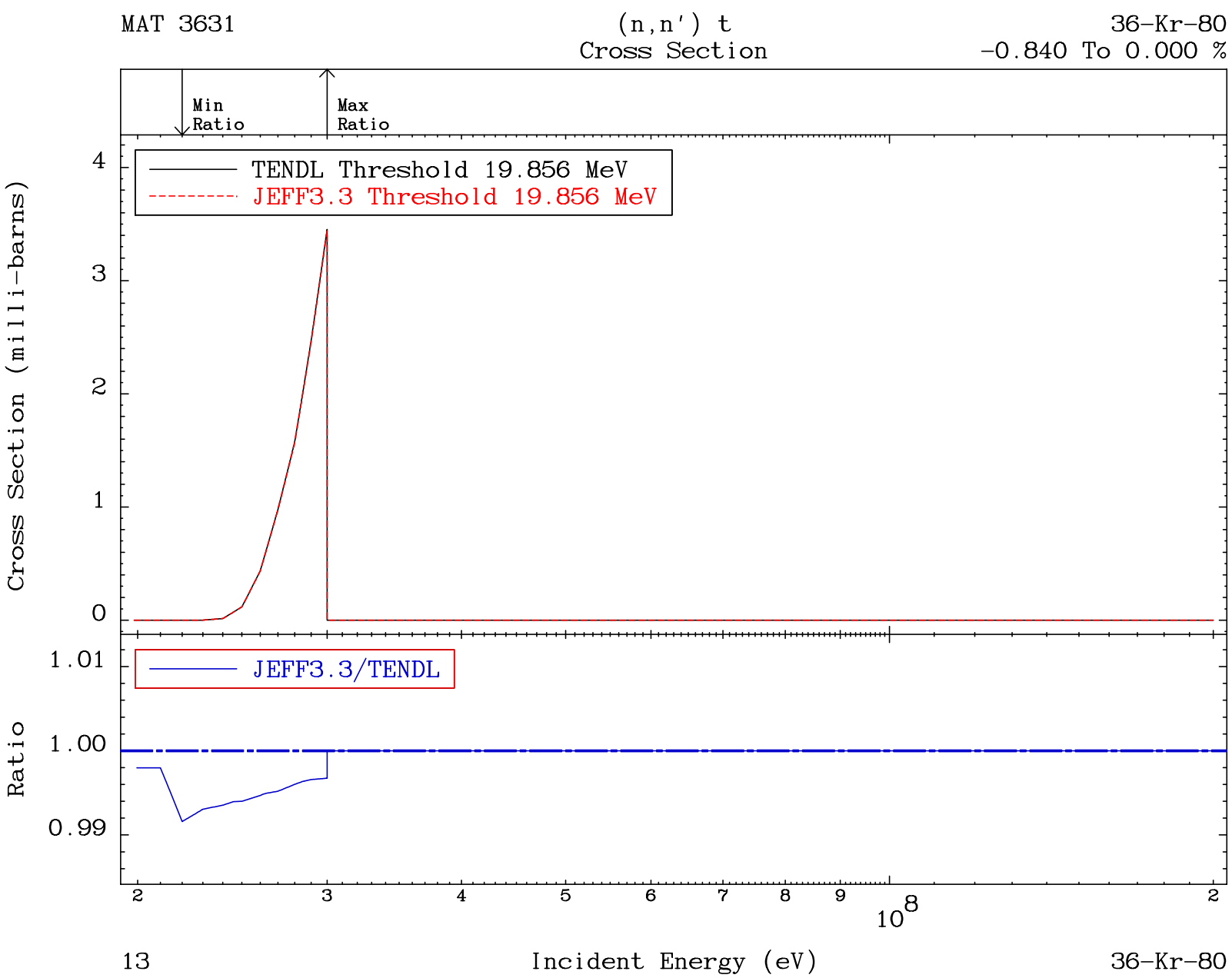

MAT 3631
(n,2n) α
Cross Section
36-Kr-80
0.000 To 2613. %
Max Ratio
Min Ratio
TENDL Threshold 16.425 MeV
JEFF3.3 Threshold 16.425 MeV
Cross Section (milli-barns)
20
15
10
5
0
JEFF3.3/TENDL
Ratio
4
10^1
4
10^0
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
36-Kr-80

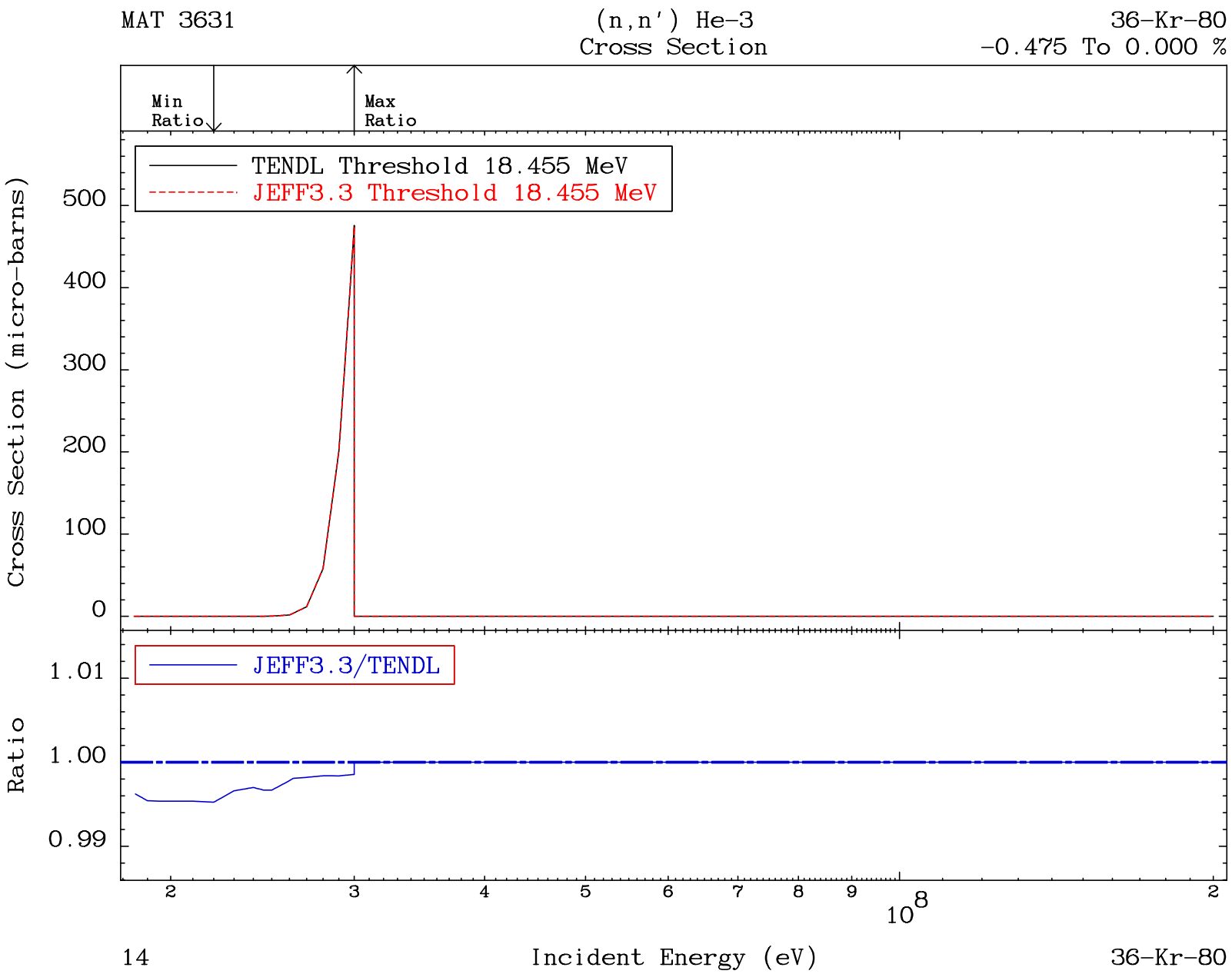

MAT 3631
(n,3n) α
Cross Section
36-Kr-80
0.000 To 1886. %
Min
Ratio
TENDL Threshold 24.554 MeV
JEFF3.3 Threshold 24.554 MeV
Cross Section (10^-9 barns)
JEFF3.3/TENDL
Ratio
Incident Energy (MeV)
9
36-Kr-80

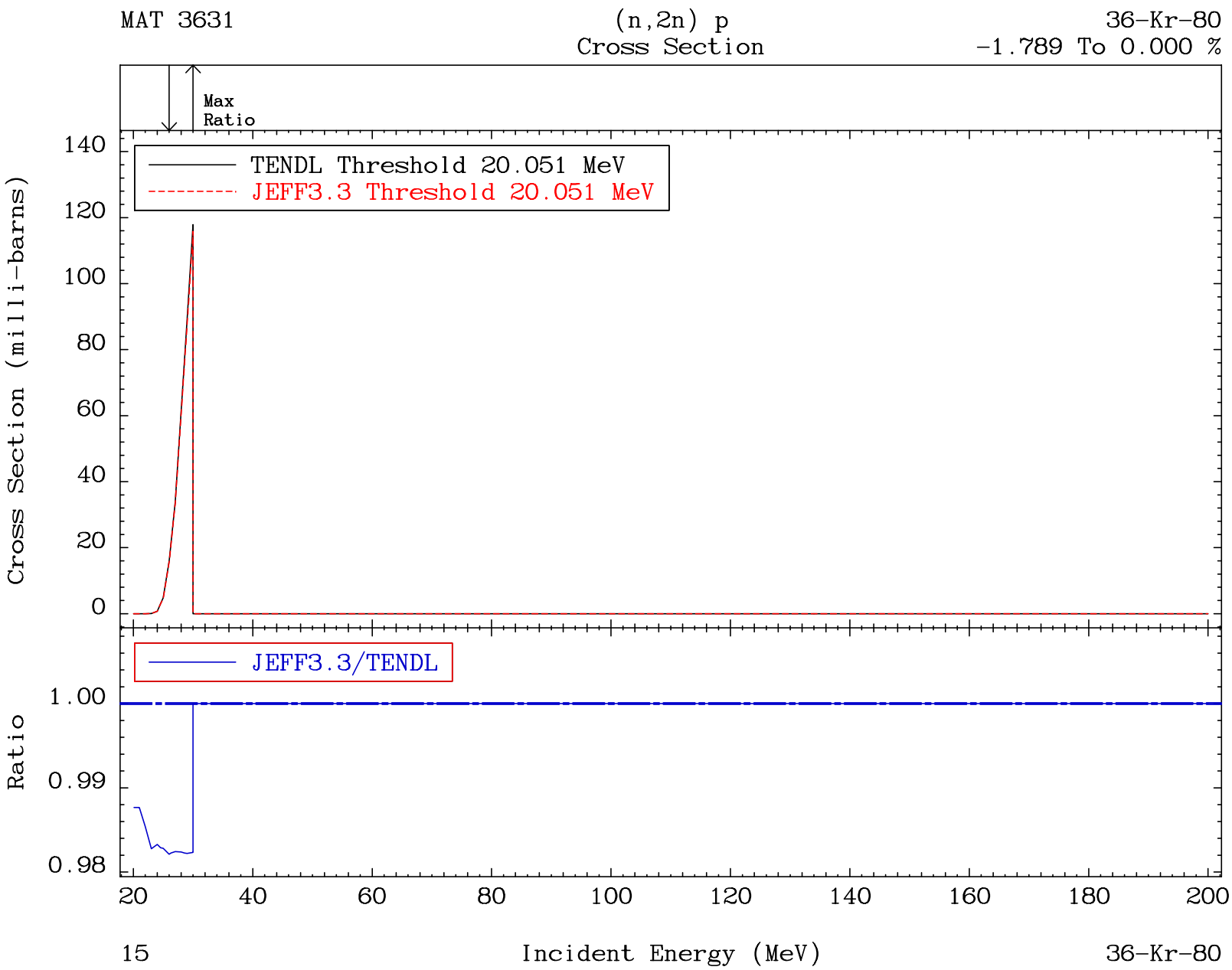

MAT 3631
(n,n') p
Cross Section
36-Kr-80
-1.717 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 9.2293 MeV
JEFF3.3 Threshold 9.2293 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.00
0.99
0.98
9
10^7
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
36-Kr-80

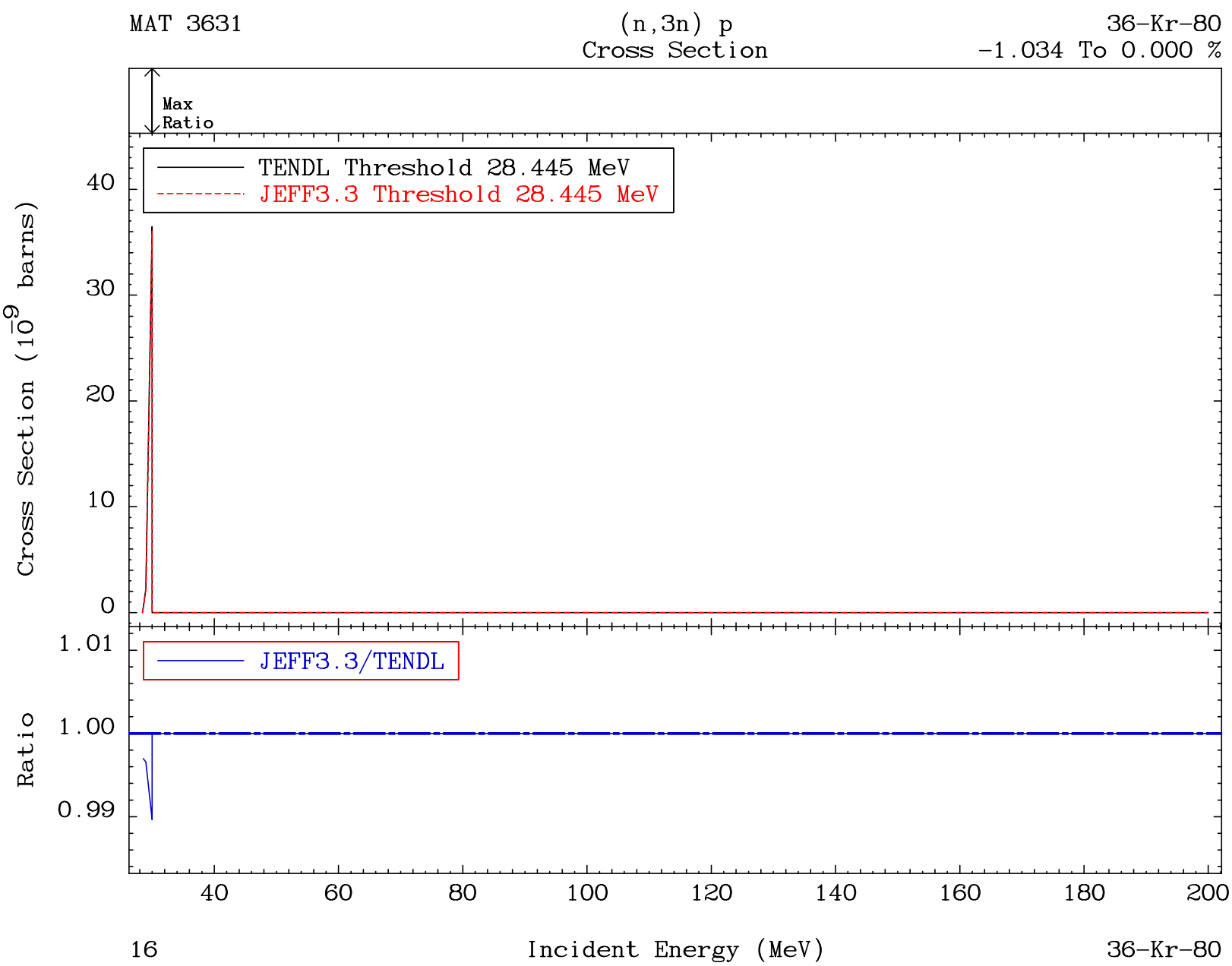

MAT 3631
(n,n') 2α
Cross Section
36-Kr-80
0.000 To 9263. %
Max Ratio
Min Ratio
TENDL Threshold 10.286 MeV
JEFF3.3 Threshold 10.286 MeV
Cross Section (micro-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
11
36-Kr-80

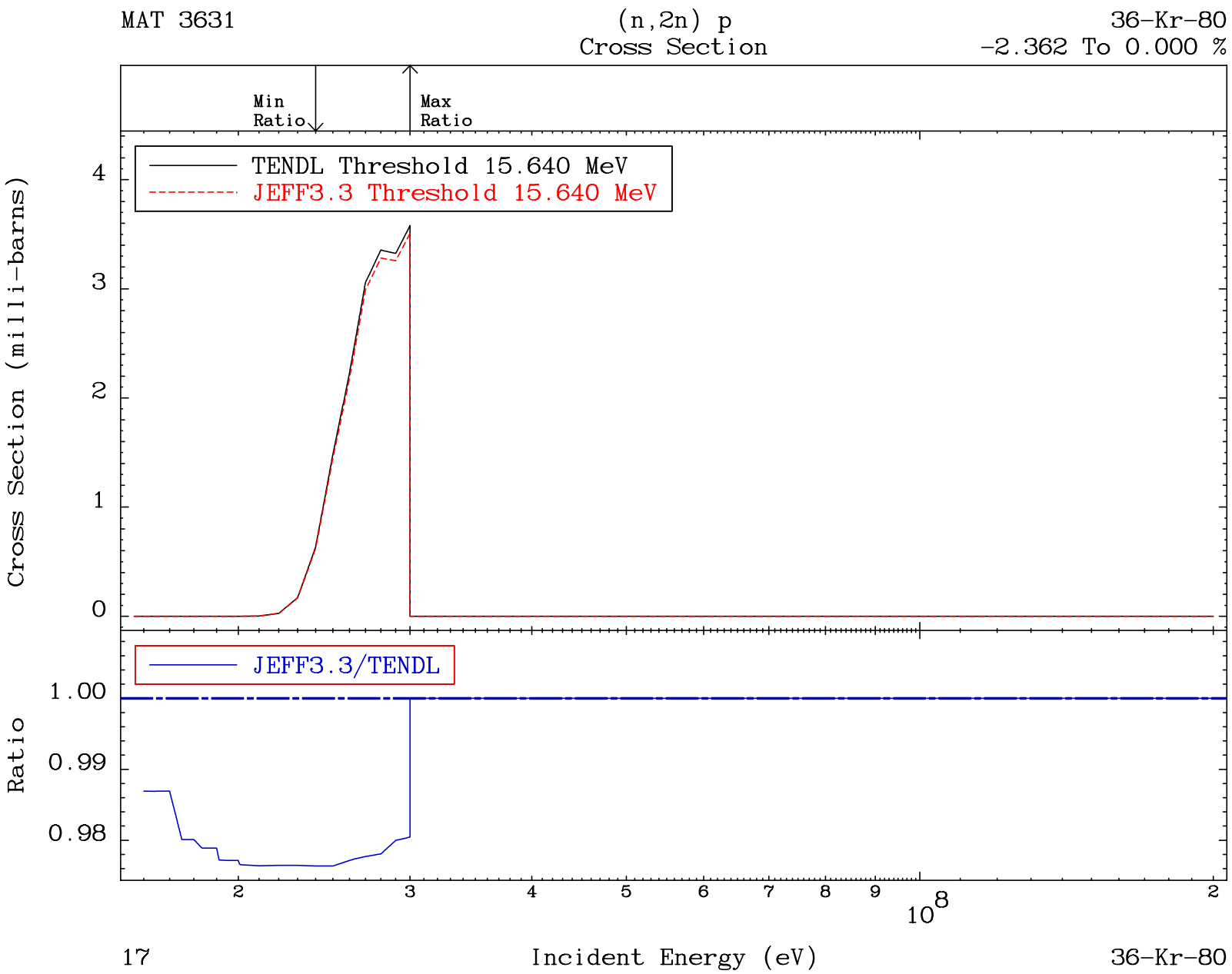

MAT 3631
(n,n') d
Cross Section
36-Kr-80
-1.257 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 17.799 MeV
JEFF3.3 Threshold 17.799 MeV
Cross Section (milli-barns)
15
10
5
0
JEFF3.3/TENDL
Ratio
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
36-Kr-80

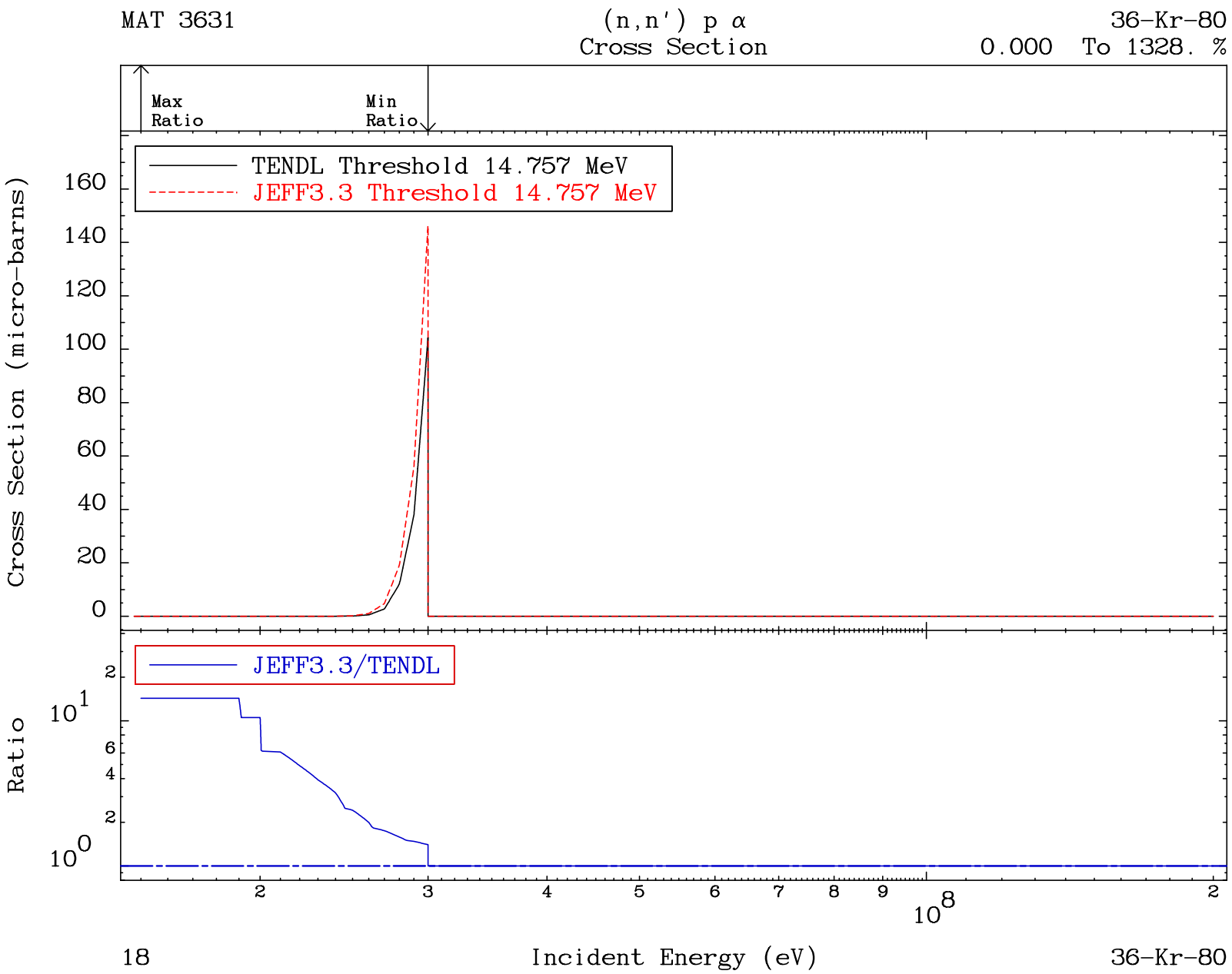

MAT 3631
(n,n') t
Cross Section
36-Kr-80
-0.840 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 19.856 MeV
JEFF3.3 Threshold 19.856 MeV
Cross Section (milli-barns)
4
3
2
1
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
36-Kr-80

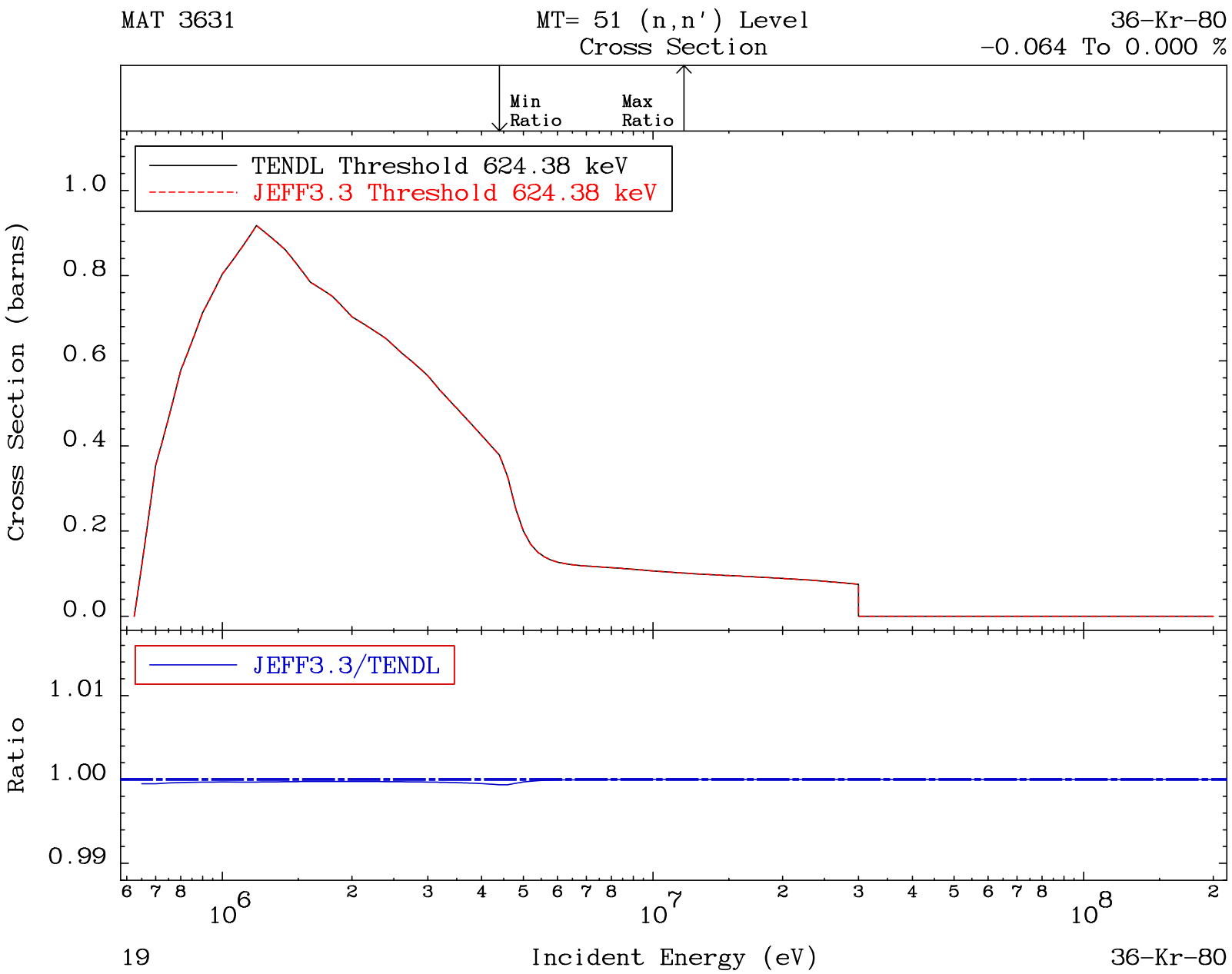

MAT 3631
(n,n') He-3
Cross Section
36-Kr-80
-0.475 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 18.455 MeV
JEFF3.3 Threshold 18.455 MeV
Cross Section (micro-barns)
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
14
Incident Energy (eV)
36-Kr-80

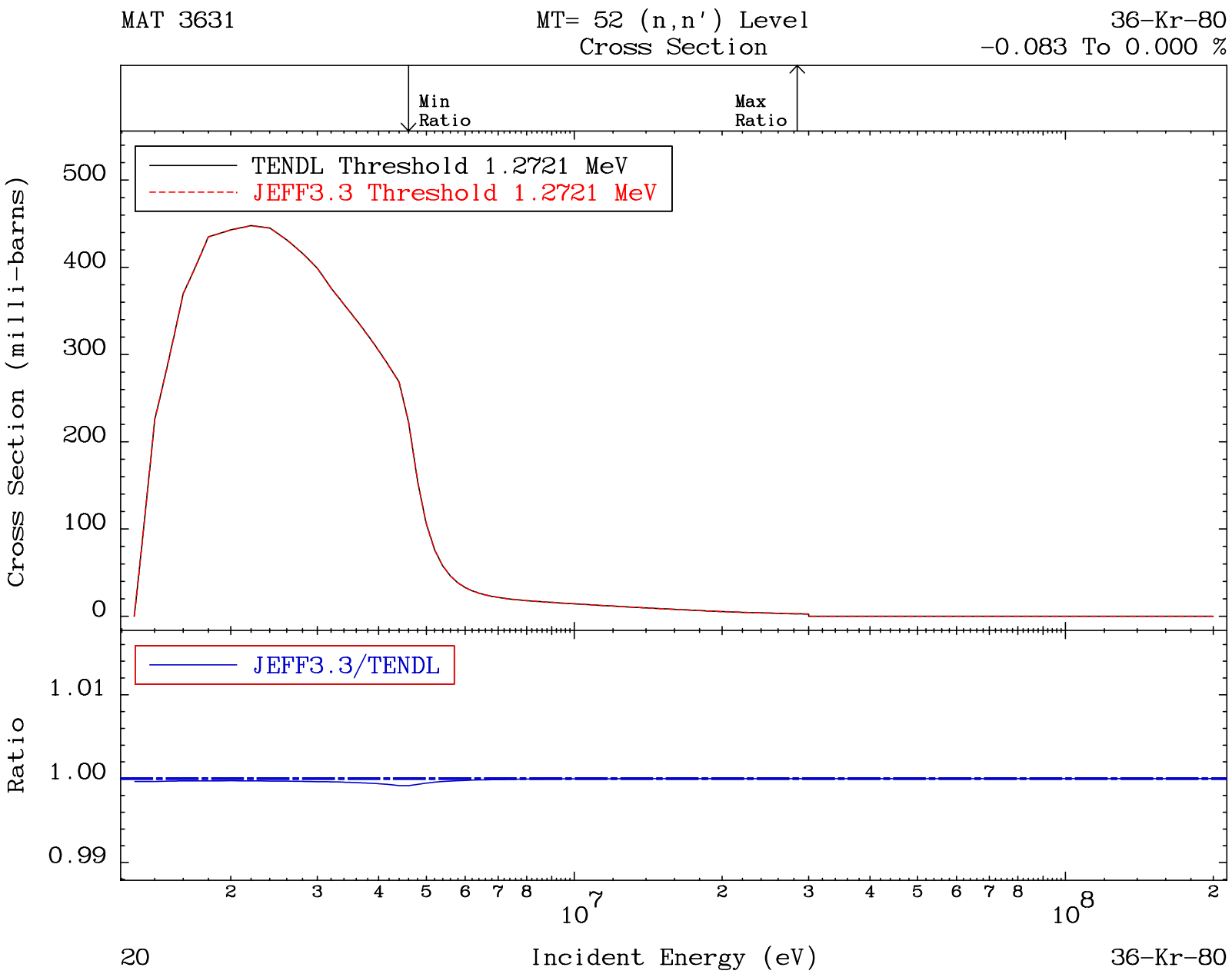

MAT 3631
(n,2n) p
Cross Section
36-Kr-80
-1.789 To 0.000 %
Max
Ratio
TENDL Threshold 20.051 MeV
JEFF3.3 Threshold 20.051 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.00
0.99
0.98
20
40
60
80
100
120
140
160
180
200
15
Incident Energy (MeV)
36-Kr-80

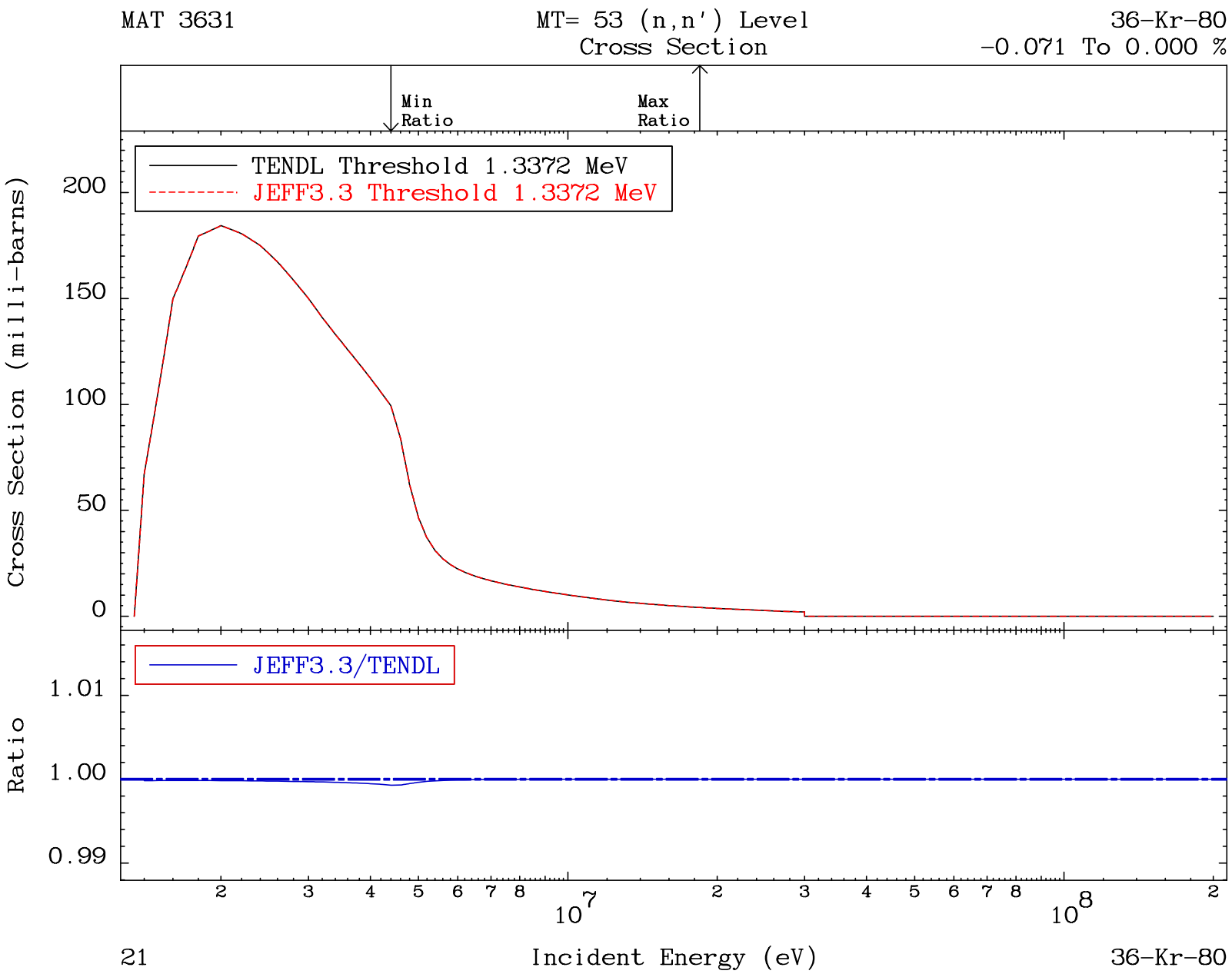

MAT 3631
(n,3n) p
Cross Section
36-Kr-80
-1.034 To 0.000 %
Max
Ratio
TENDL Threshold 28.445 MeV
JEFF3.3 Threshold 28.445 MeV
Cross Section (10^{-9} barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
40
60
80
100
120
140
160
180
200
16
Incident Energy (MeV)
36-Kr-80

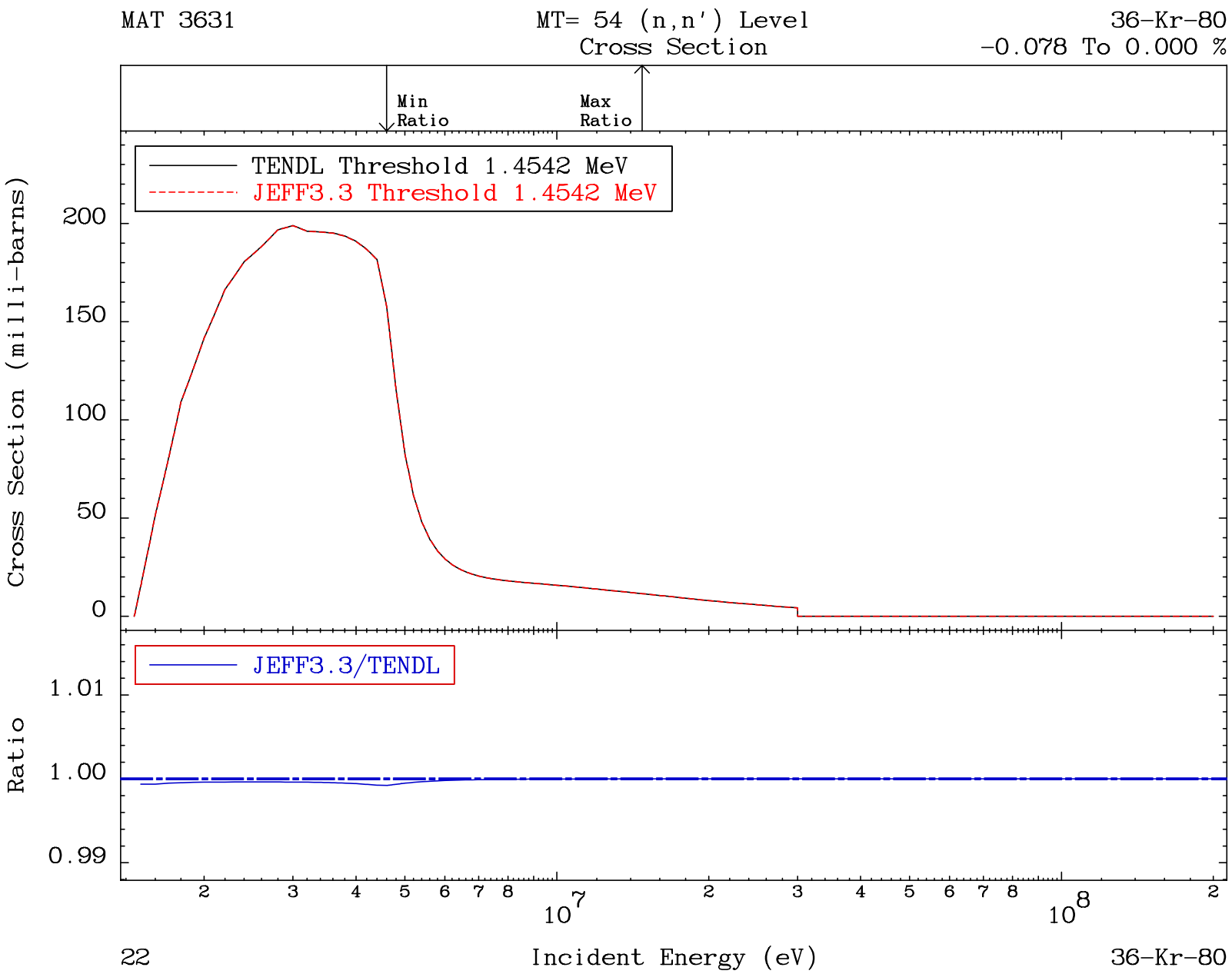

MAT 3631
(n,2n) p
Cross Section
36-Kr-80
-2.362 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 15.640 MeV
JEFF3.3 Threshold 15.640 MeV
Cross Section (milli-barns)
0
1
2
3
4
JEFF3.3/TENDL
Ratio
0.98
0.99
1.00
2
3
4
5
6
7
8
9
10^8
2
17
Incident Energy (eV)
36-Kr-80

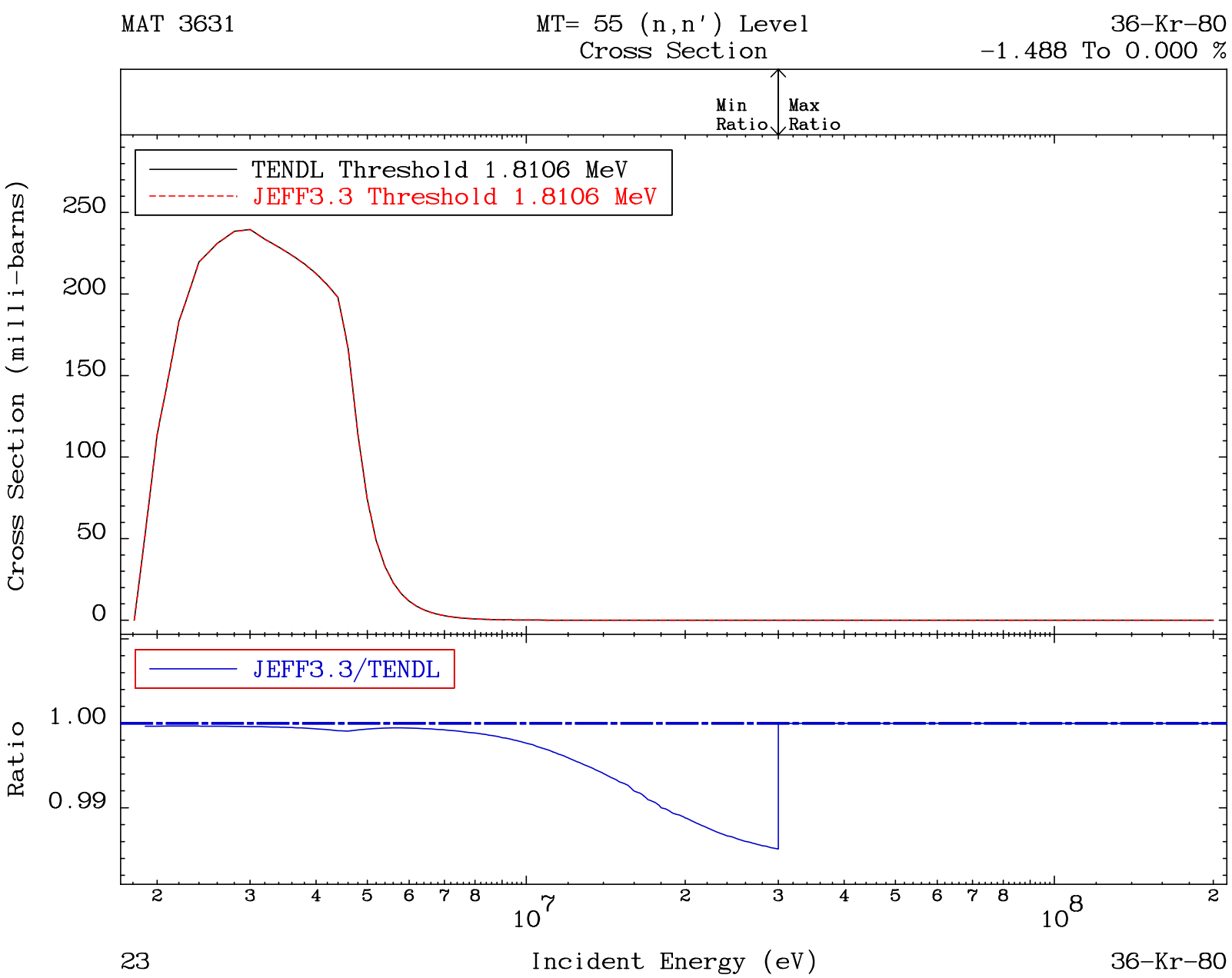

MAT 3631
(n,n') p α
Cross Section
36-Kr-80
0.000 To 1328. %
Max Ratio
Min Ratio
TENDL Threshold 14.757 MeV
JEFF3.3 Threshold 14.757 MeV
Cross Section (micro-barns)
160
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
2
10^1
6
4
2
10^0
2
3
4
5
6
7
8
9
10^8
2
18
Incident Energy (eV)
36-Kr-80

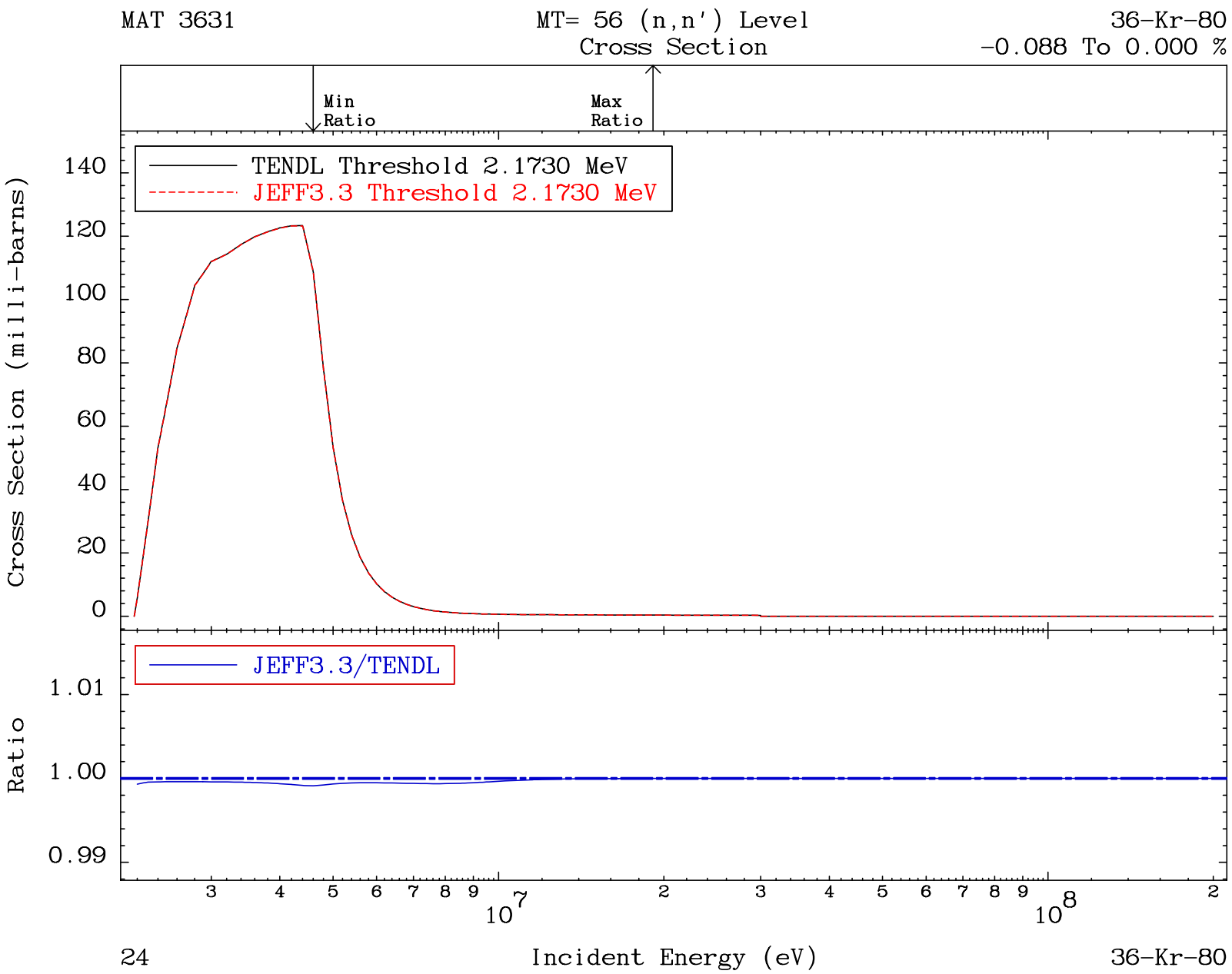

MAT 3631
MT= 51 (n,n') Level
Cross Section
36-Kr-80
-0.064 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 624.38 keV
JEFF3.3 Threshold 624.38 keV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
19
Incident Energy (eV)
36-Kr-80

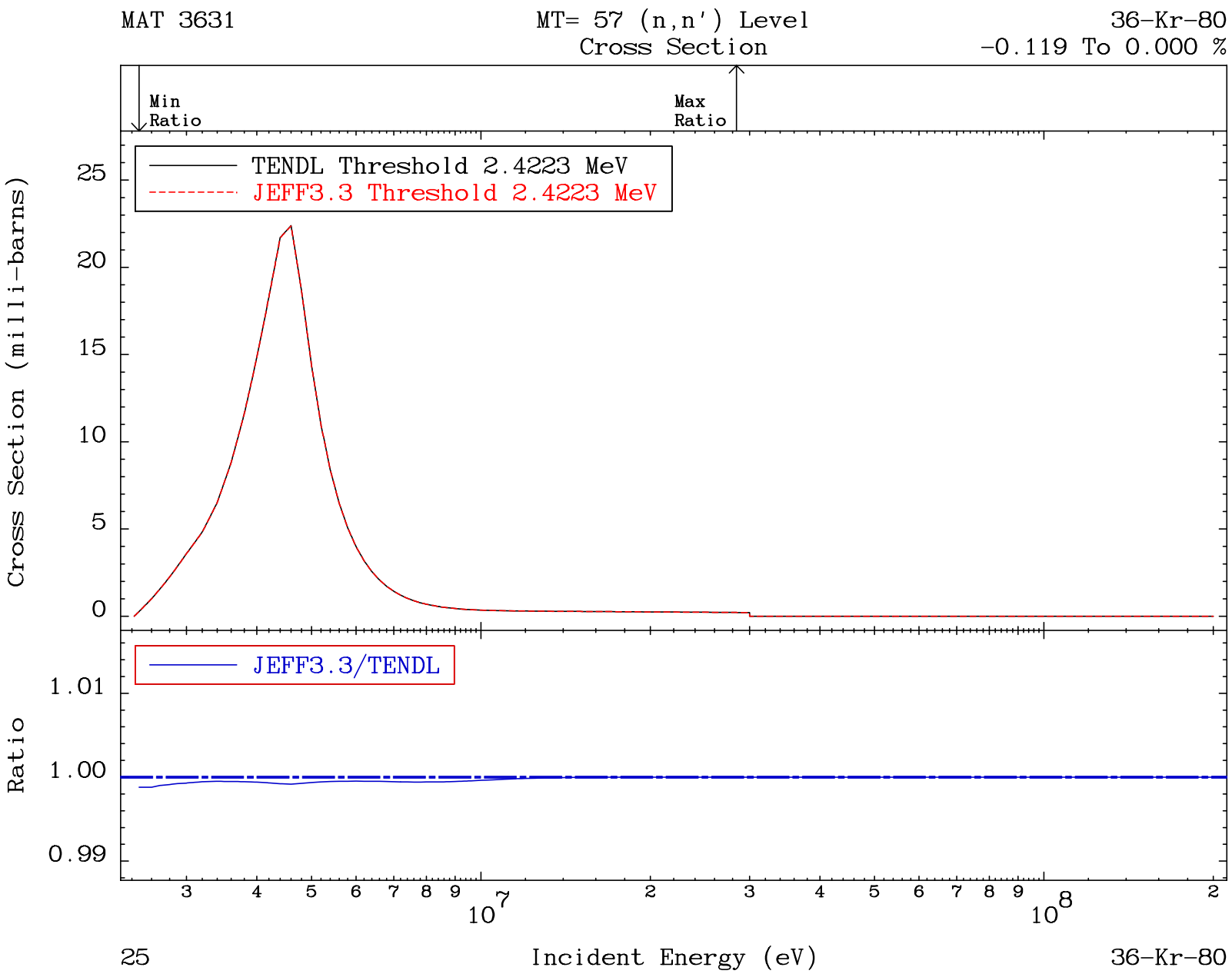

MAT 3631
MT= 52 (n,n') Level
Cross Section
36-Kr-80
-0.083 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.2721 MeV
JEFF3.3 Threshold 1.2721 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
20
Incident Energy (eV)
36-Kr-80

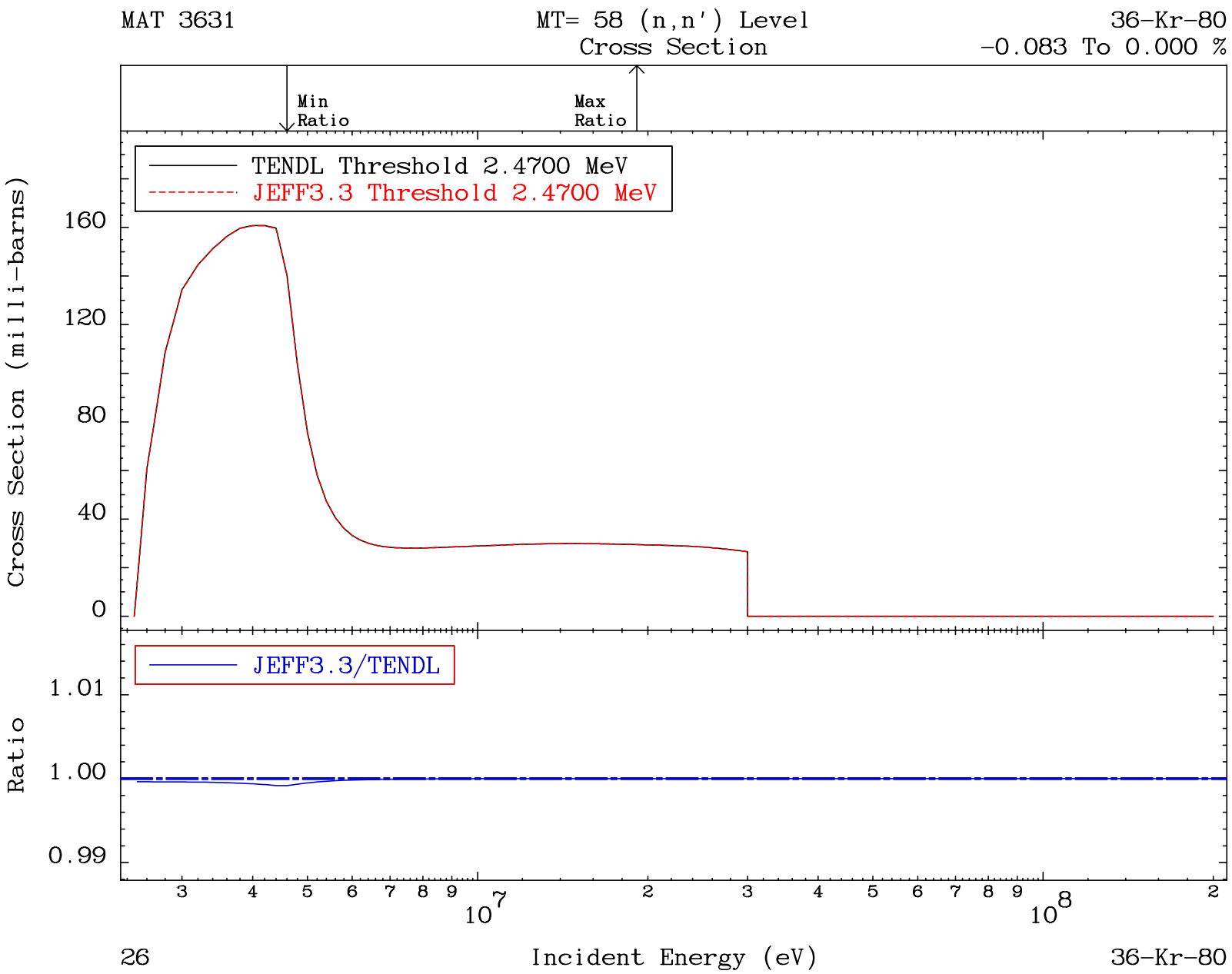

MAT 3631
MT= 53 (n,n') Level
Cross Section
36-Kr-80
-0.071 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.3372 MeV
JEFF3.3 Threshold 1.3372 MeV
Cross Section (milli-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
21
Incident Energy (eV)
36-Kr-80

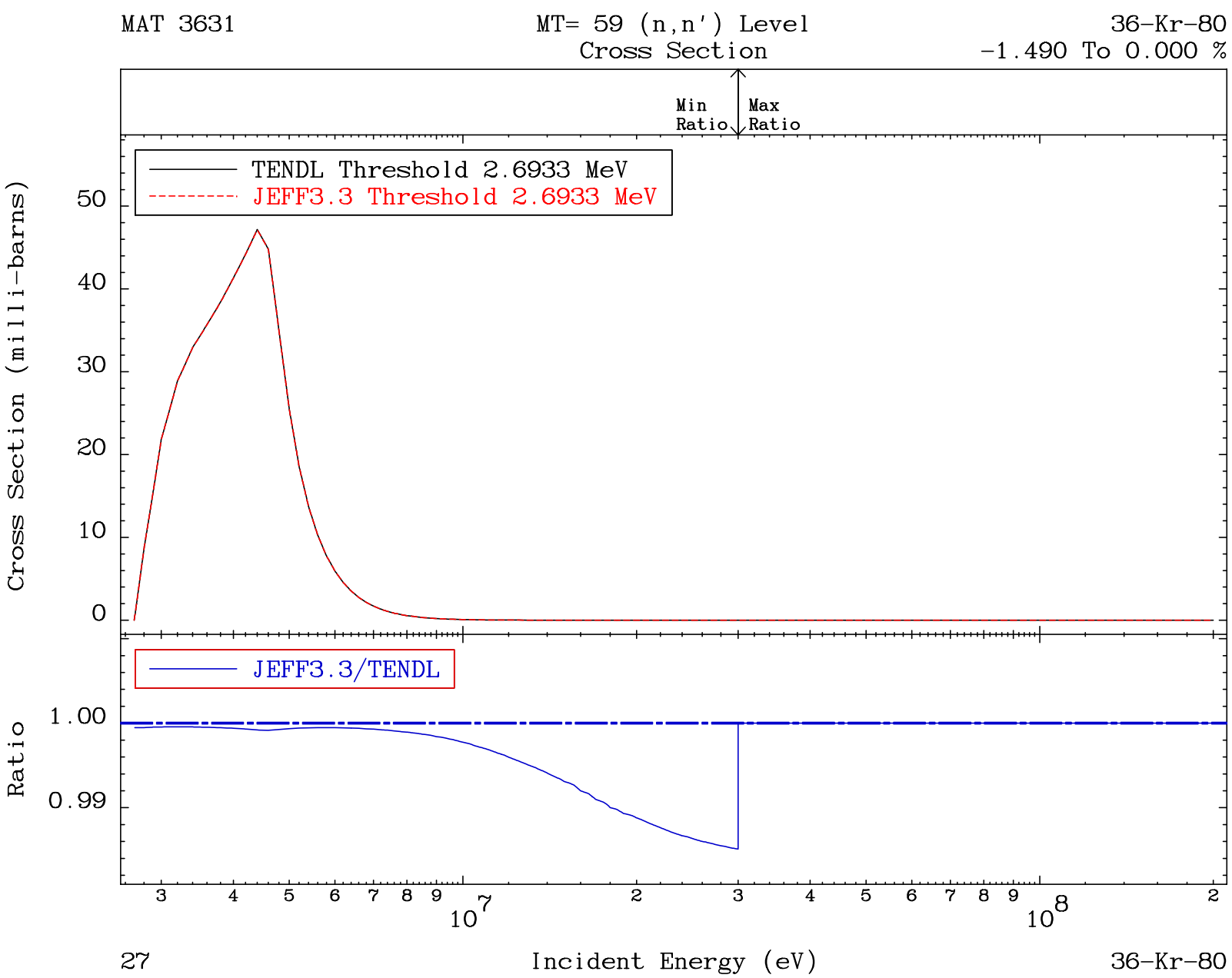

MAT 3631
MT= 54 (n,n') Level
Cross Section
36-Kr-80
-0.078 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.4542 MeV
JEFF3.3 Threshold 1.4542 MeV
Cross Section (milli-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
22
Incident Energy (eV)
36-Kr-80

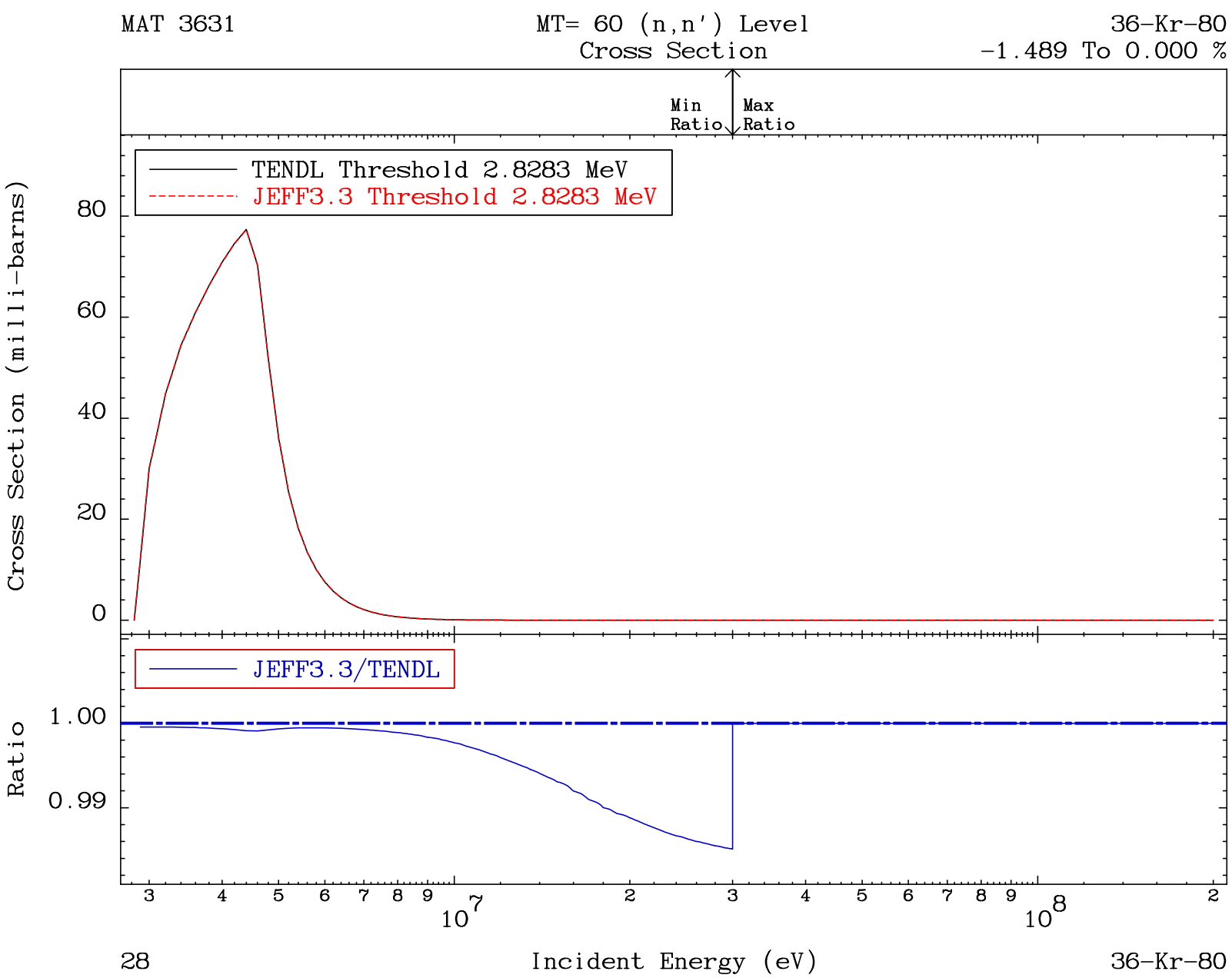

MAT 3631
MT= 55 (n,n') Level
Cross Section
36-Kr-80
-1.488 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 1.8106 MeV
JEFF3.3 Threshold 1.8106 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
36-Kr-80

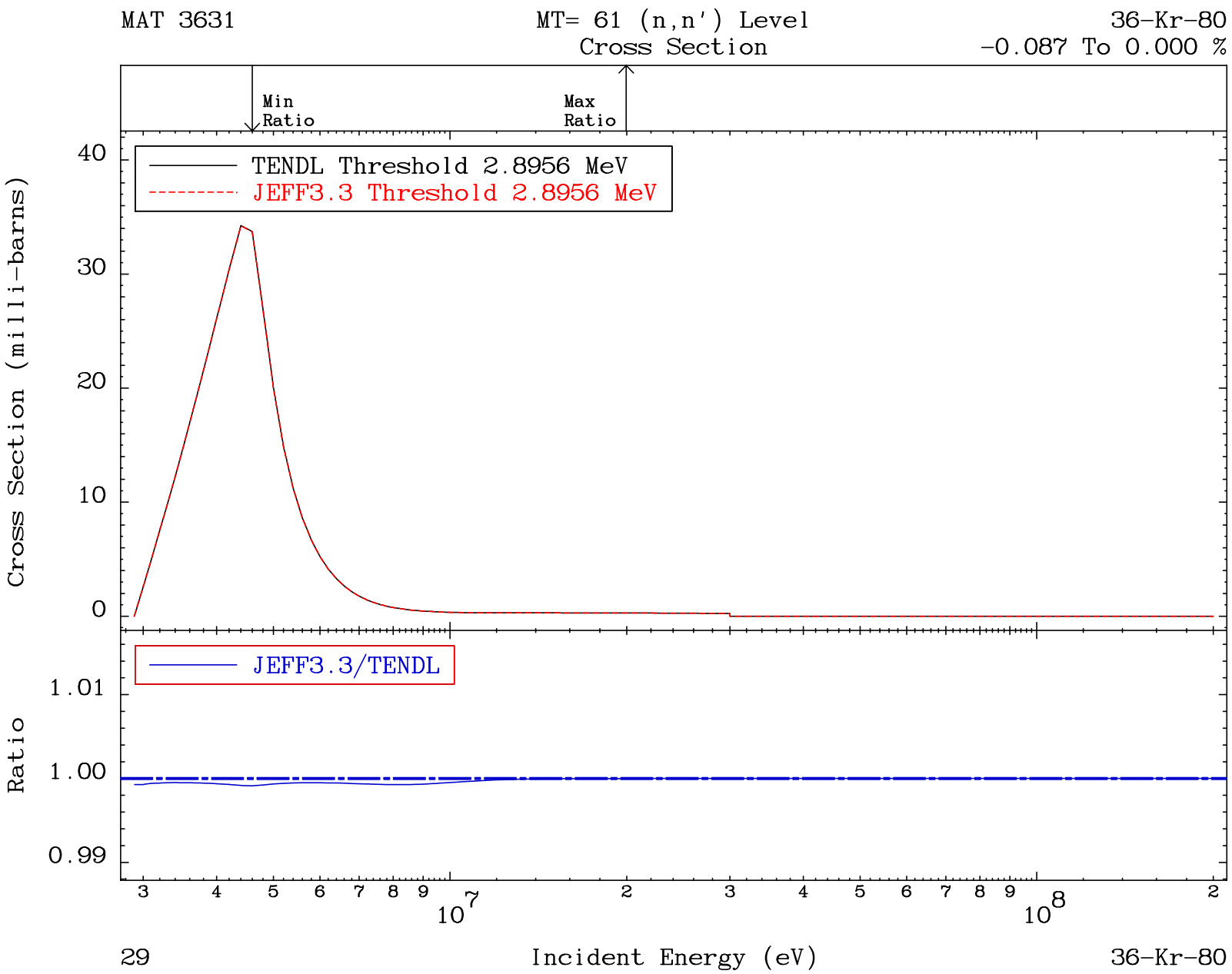

MAT 3631
MT= 56 (n,n') Level
Cross Section
36-Kr-80
-0.088 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.1730 MeV
JEFF3.3 Threshold 2.1730 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
24
Incident Energy (eV)
36-Kr-80

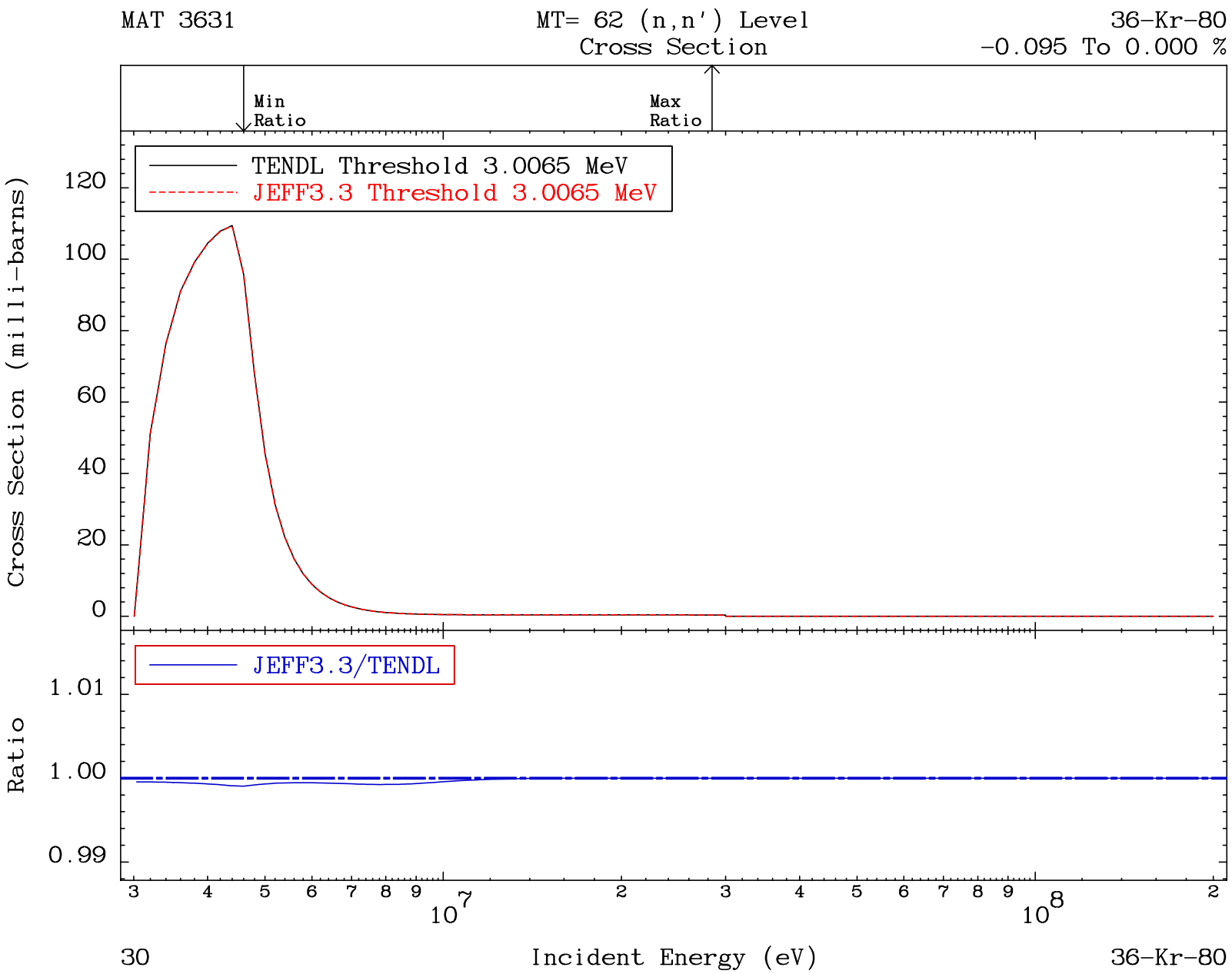

MAT 3631
MT= 57 (n,n') Level
Cross Section
36-Kr-80
-0.119 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.4223 MeV
JEFF3.3 Threshold 2.4223 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
25
Incident Energy (eV)
36-Kr-80

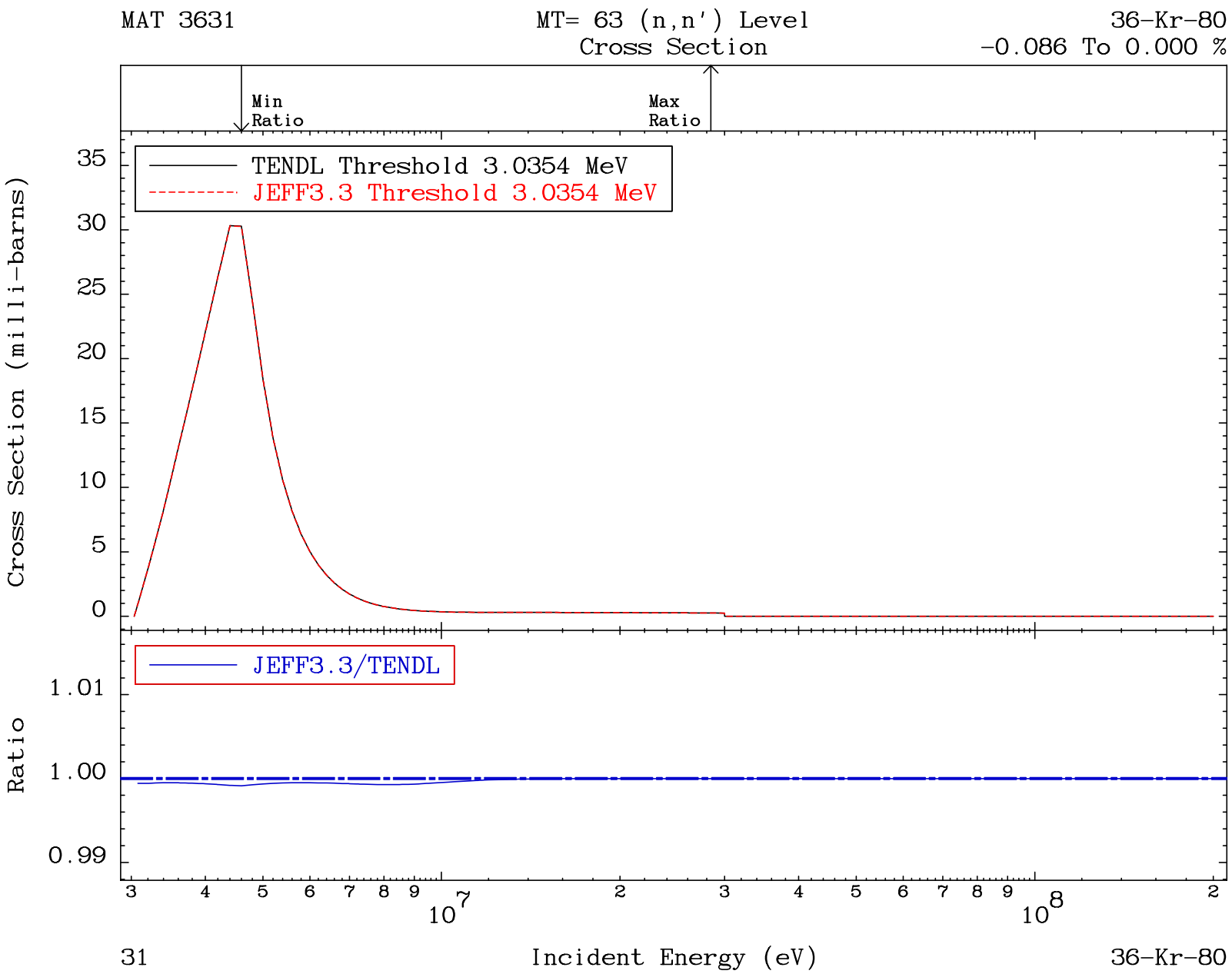

MAT 3631
MT= 58 (n,n') Level
Cross Section
36-Kr-80
-0.083 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.4700 MeV
JEFF3.3 Threshold 2.4700 MeV
Cross Section (milli-barns)
160
120
80
40
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
26
Incident Energy (eV)
36-Kr-80

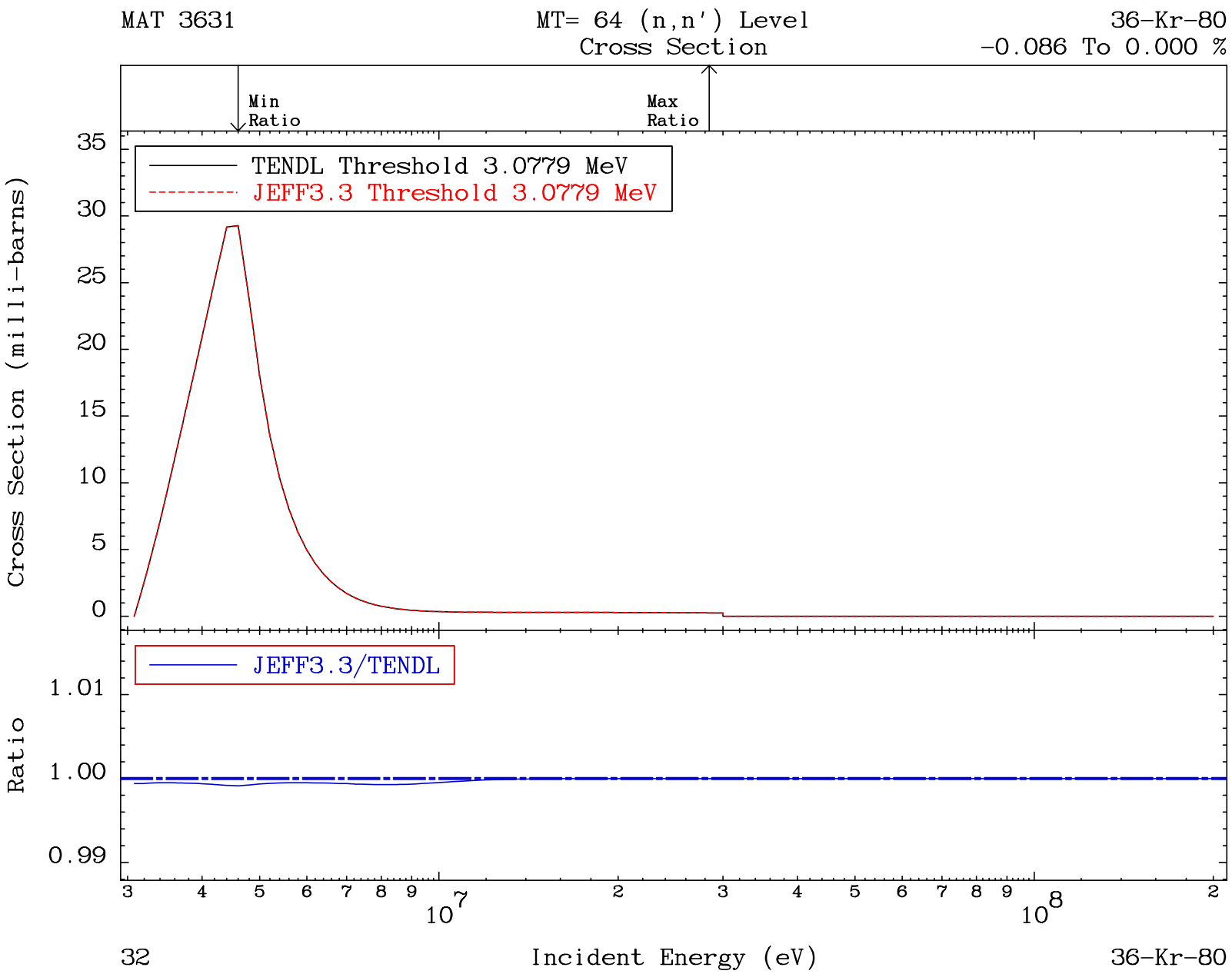

MAT 3631
MT= 59 (n,n') Level
Cross Section
36-Kr-80
-1.490 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.6933 MeV
JEFF3.3 Threshold 2.6933 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
27
Incident Energy (eV)
36-Kr-80

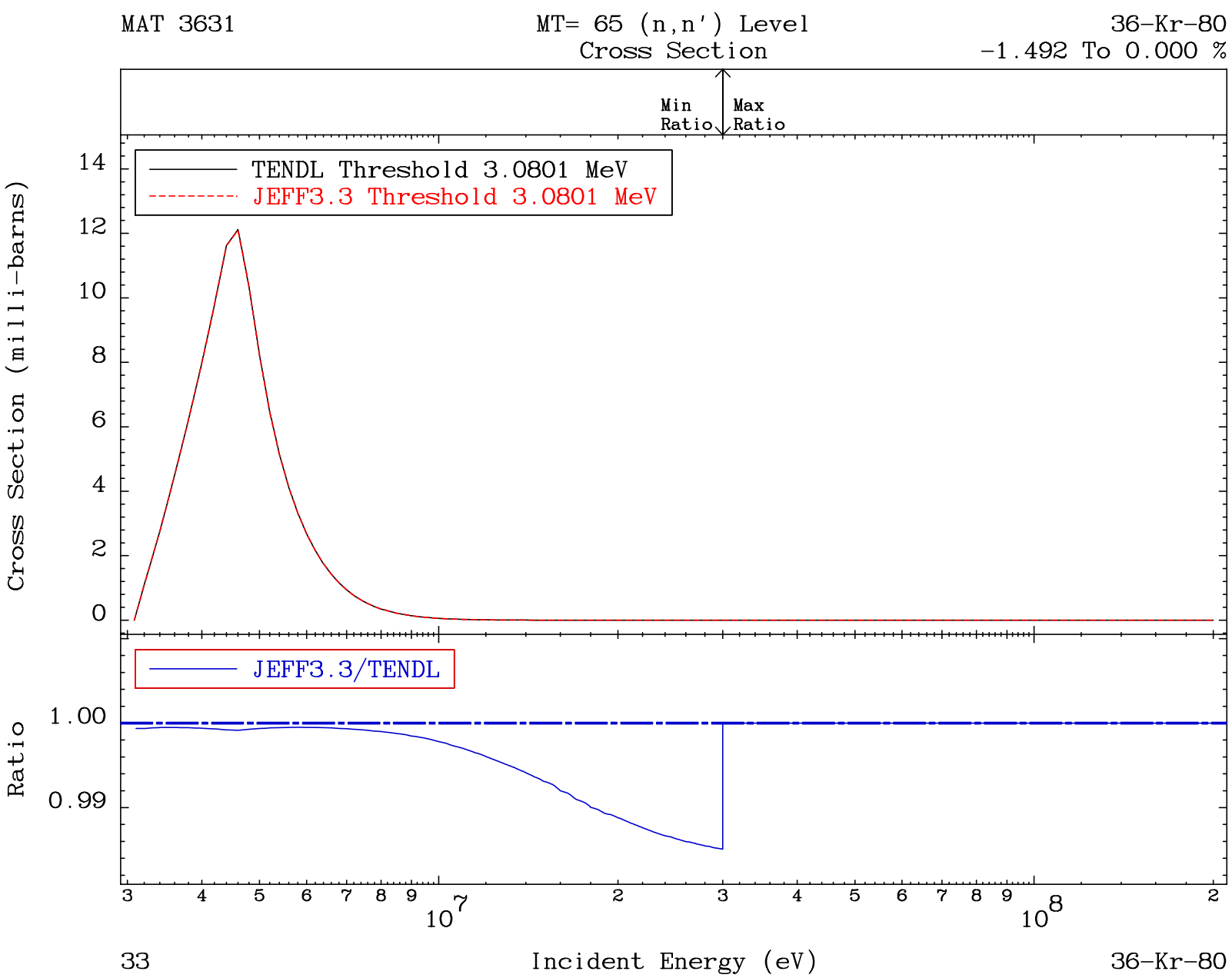

MAT 3631
MT= 60 (n,n') Level
Cross Section
36-Kr-80
-1.489 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.8283 MeV
JEFF3.3 Threshold 2.8283 MeV
Cross Section (milli-barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
28
Incident Energy (eV)
36-Kr-80

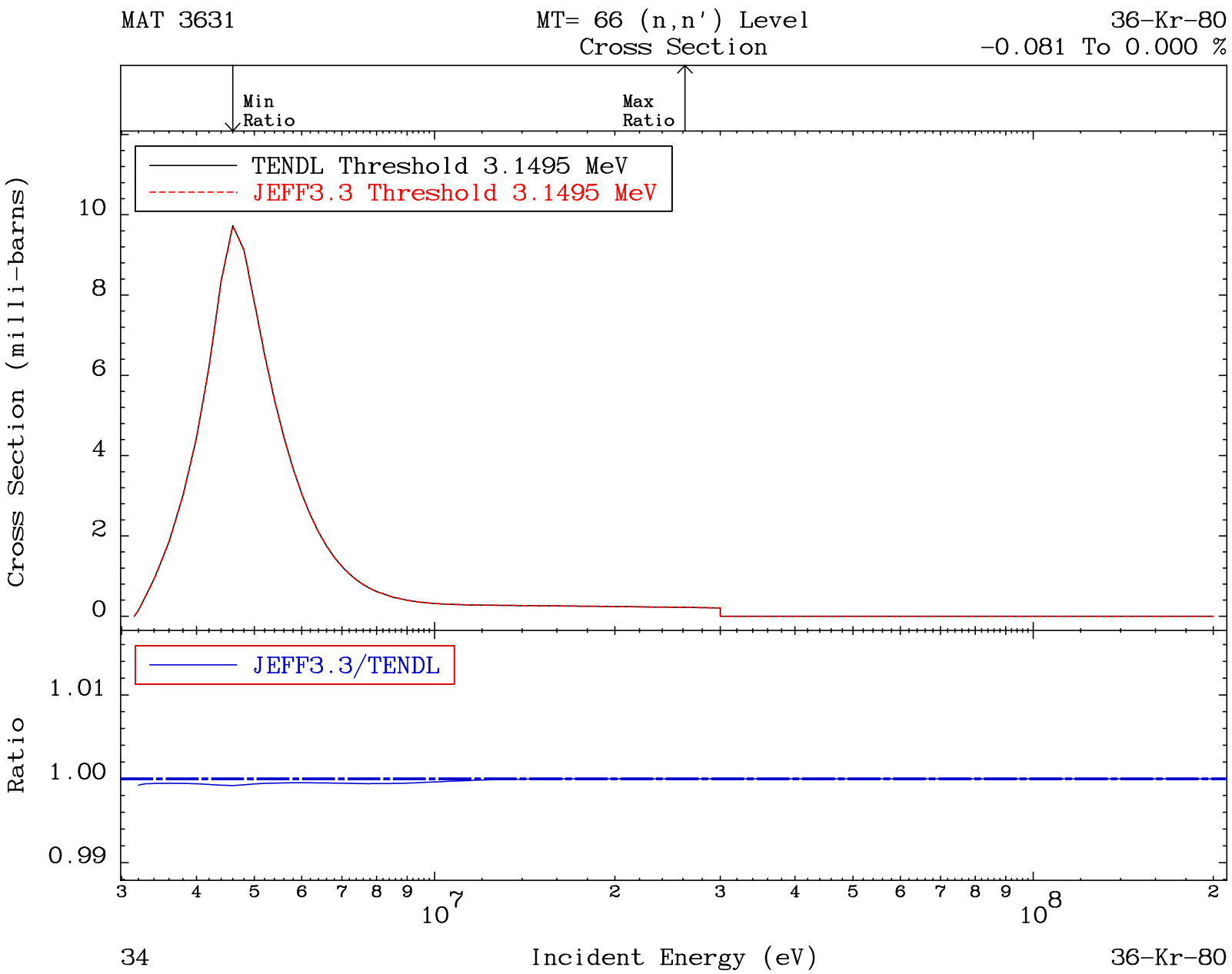

MAT 3631
MT= 61 (n,n') Level
Cross Section
36-Kr-80
-0.087 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.8956 MeV
JEFF3.3 Threshold 2.8956 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
29
Incident Energy (eV)
36-Kr-80

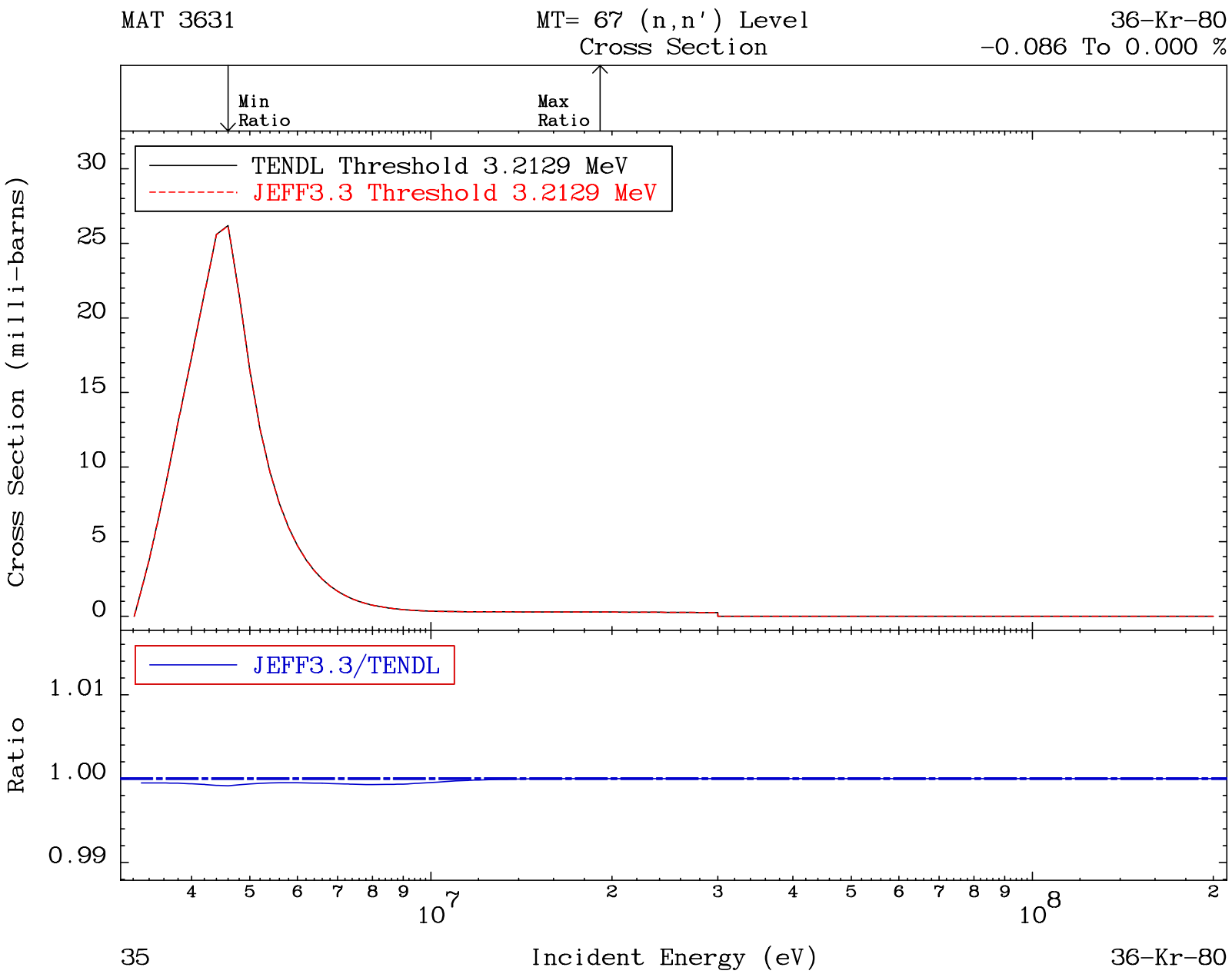

MAT 3631
MT= 62 (n,n') Level
Cross Section
36-Kr-80
-0.095 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.0065 MeV
JEFF3.3 Threshold 3.0065 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
30
Incident Energy (eV)
36-Kr-80

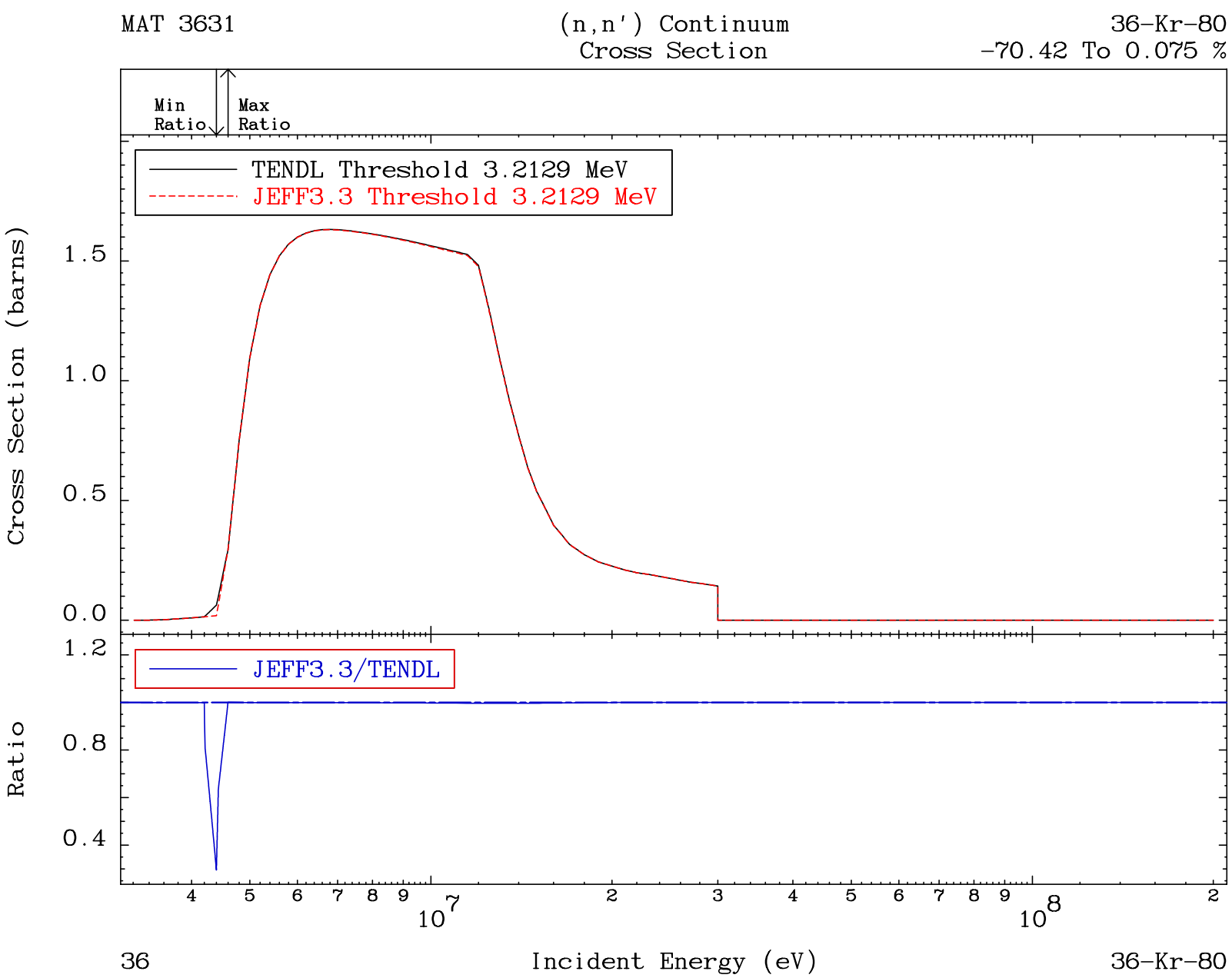

MAT 3631
MT= 63 (n,n') Level
Cross Section
36-Kr-80
-0.086 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.0354 MeV
JEFF3.3 Threshold 3.0354 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
31
Incident Energy (eV)
36-Kr-80

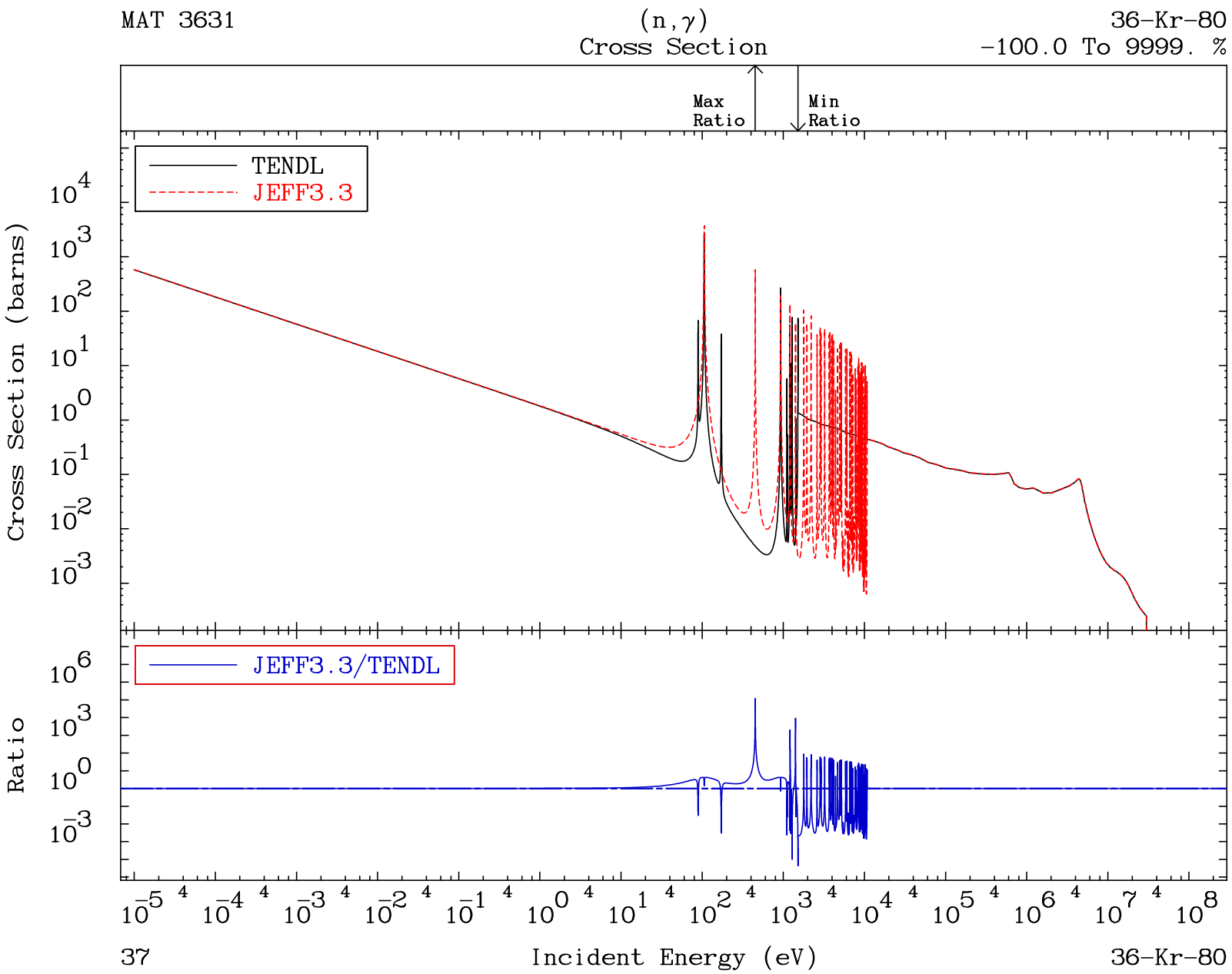

MAT 3631
MT= 64 (n,n') Level
Cross Section
36-Kr-80
-0.086 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.0779 MeV
JEFF3.3 Threshold 3.0779 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
32
Incident Energy (eV)
36-Kr-80

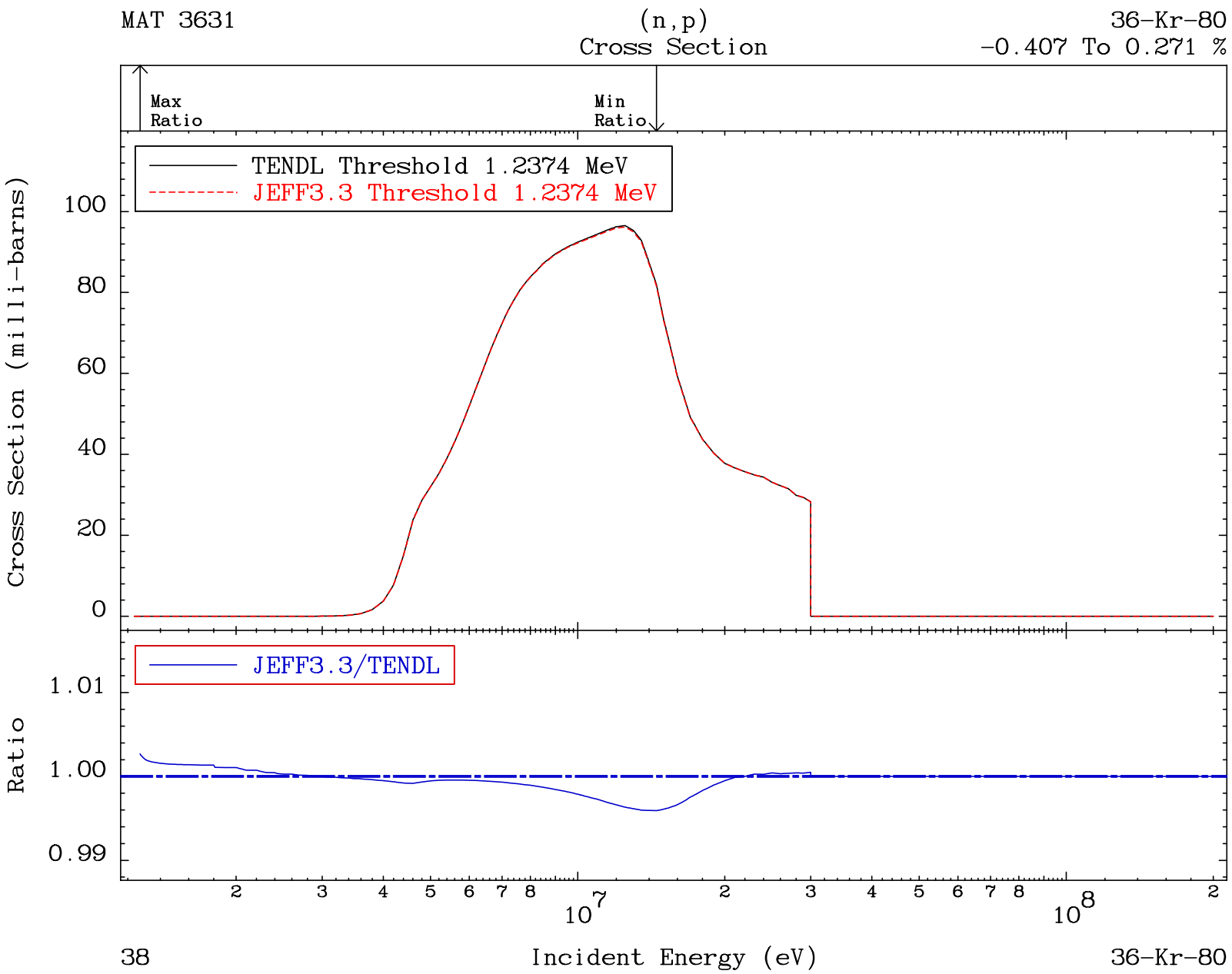

MAT 3631
MT= 65 (n,n') Level
Cross Section
36-Kr-80
-1.492 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 3.0801 MeV
JEFF3.3 Threshold 3.0801 MeV
Cross Section (milli-barns)
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
33
Incident Energy (eV)
36-Kr-80

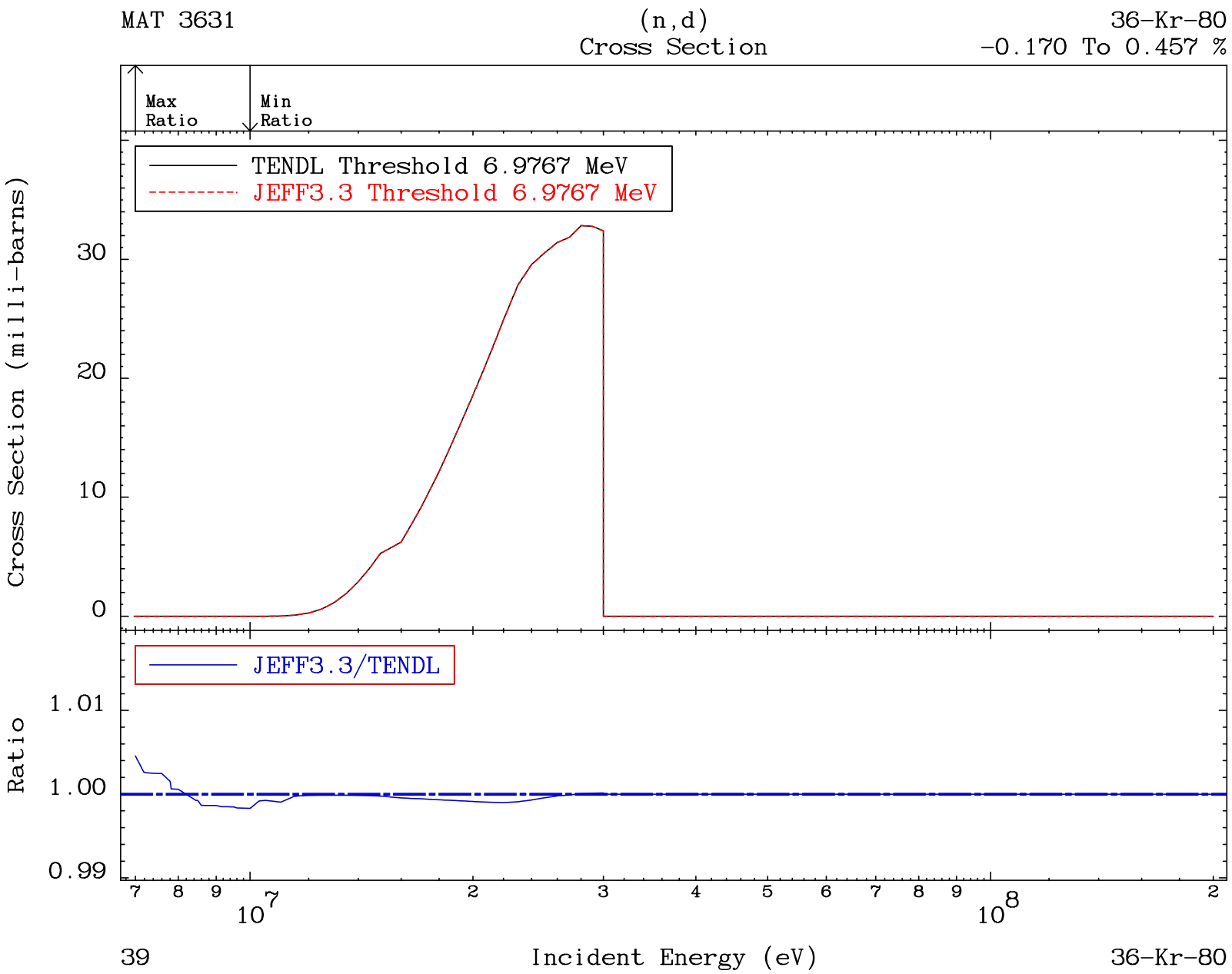

MAT 3631
MT= 66 (n,n') Level
Cross Section
36-Kr-80
-0.081 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.1495 MeV
JEFF3.3 Threshold 3.1495 MeV
Cross Section (milli-barns)
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
34
Incident Energy (eV)
36-Kr-80

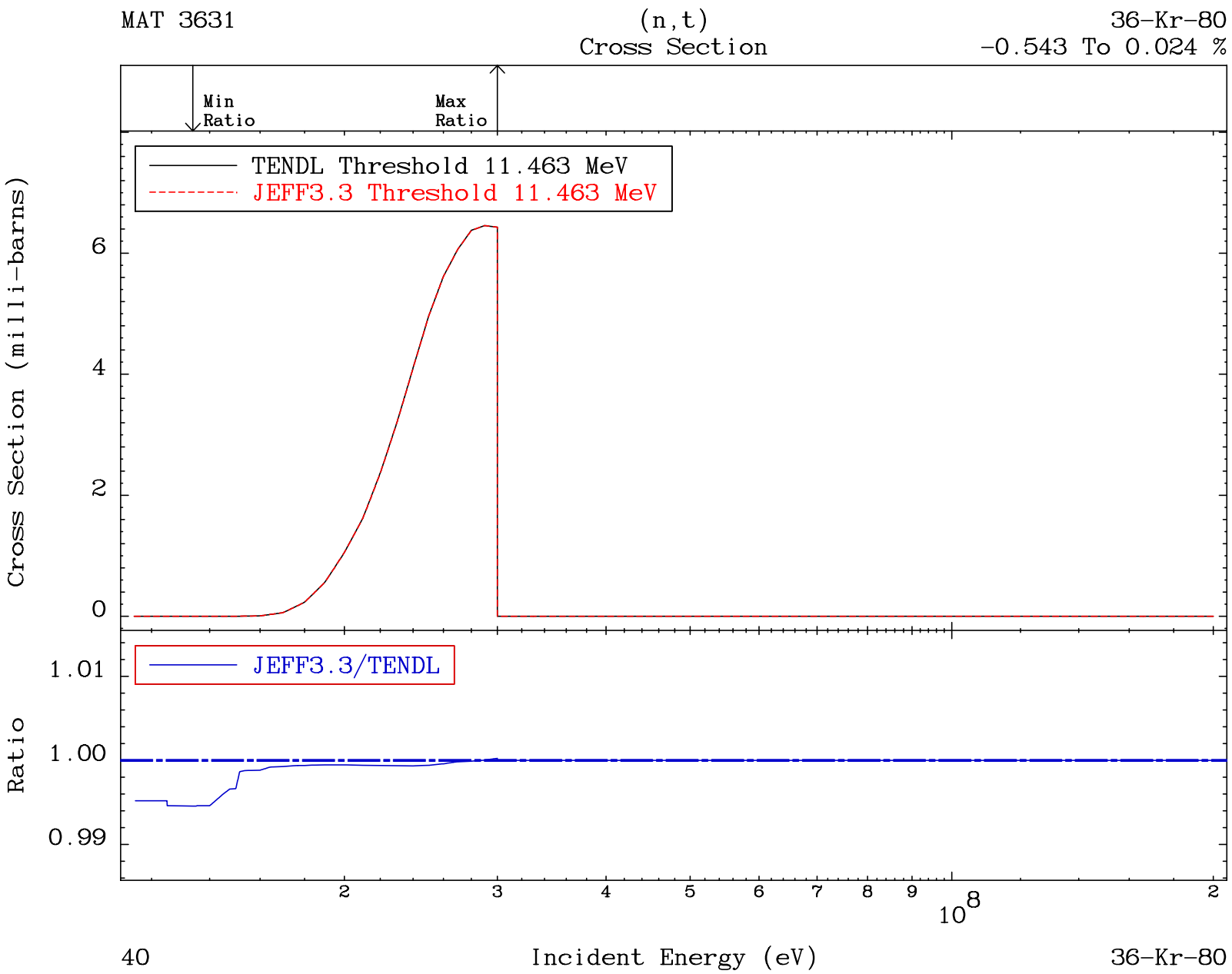

MAT 3631
MT= 67 (n,n') Level
Cross Section
36-Kr-80
-0.086 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.2129 MeV
JEFF3.3 Threshold 3.2129 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
35
Incident Energy (eV)
36-Kr-80

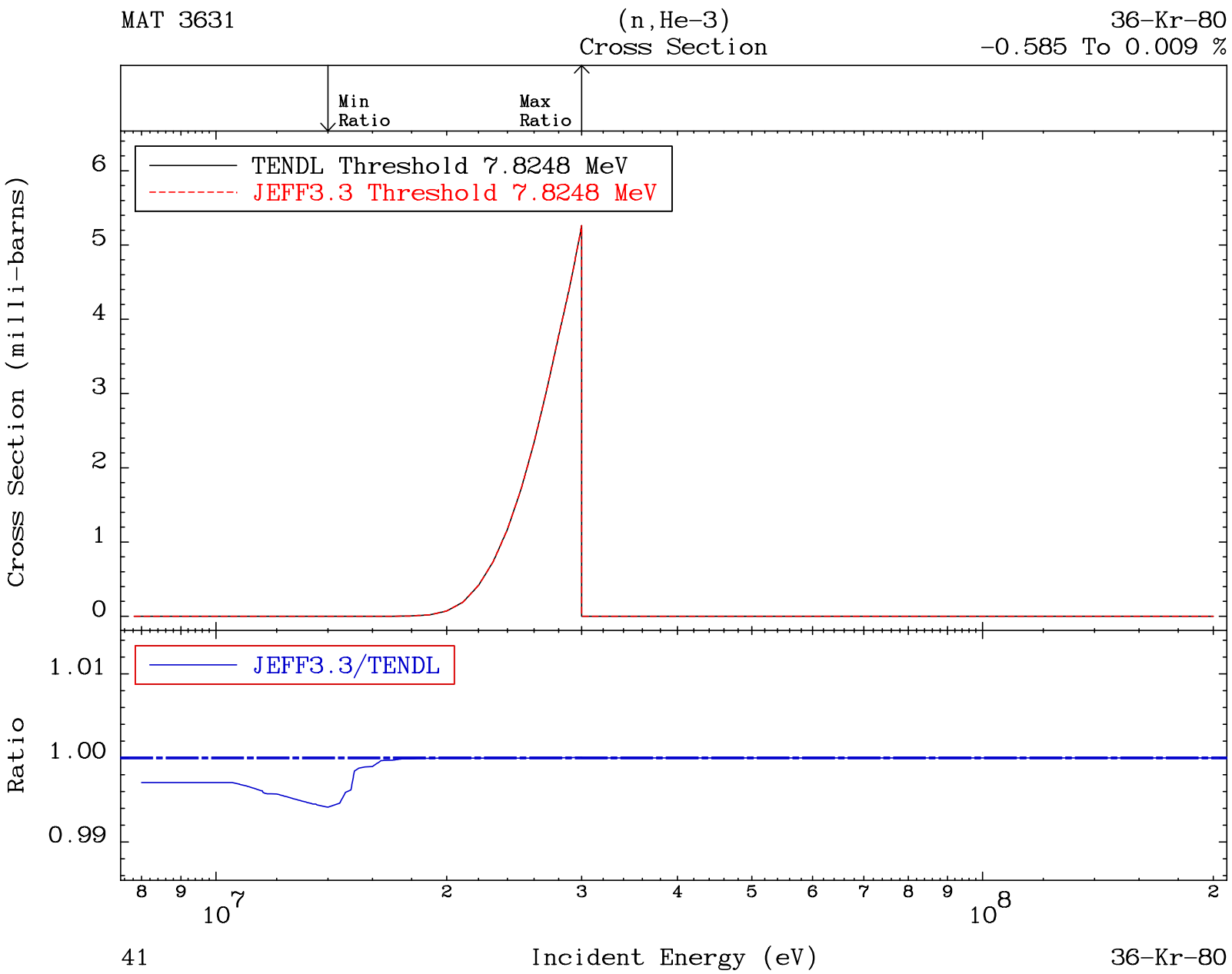

MAT 3631
(n,n') Continuum
Cross Section
36-Kr-80
-70.42 To 0.075 %
Min Ratio
Max Ratio
TENDL Threshold 3.2129 MeV
JEFF3.3 Threshold 3.2129 MeV
Cross Section (barns)
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.2
0.8
0.4
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
36
Incident Energy (eV)
36-Kr-80

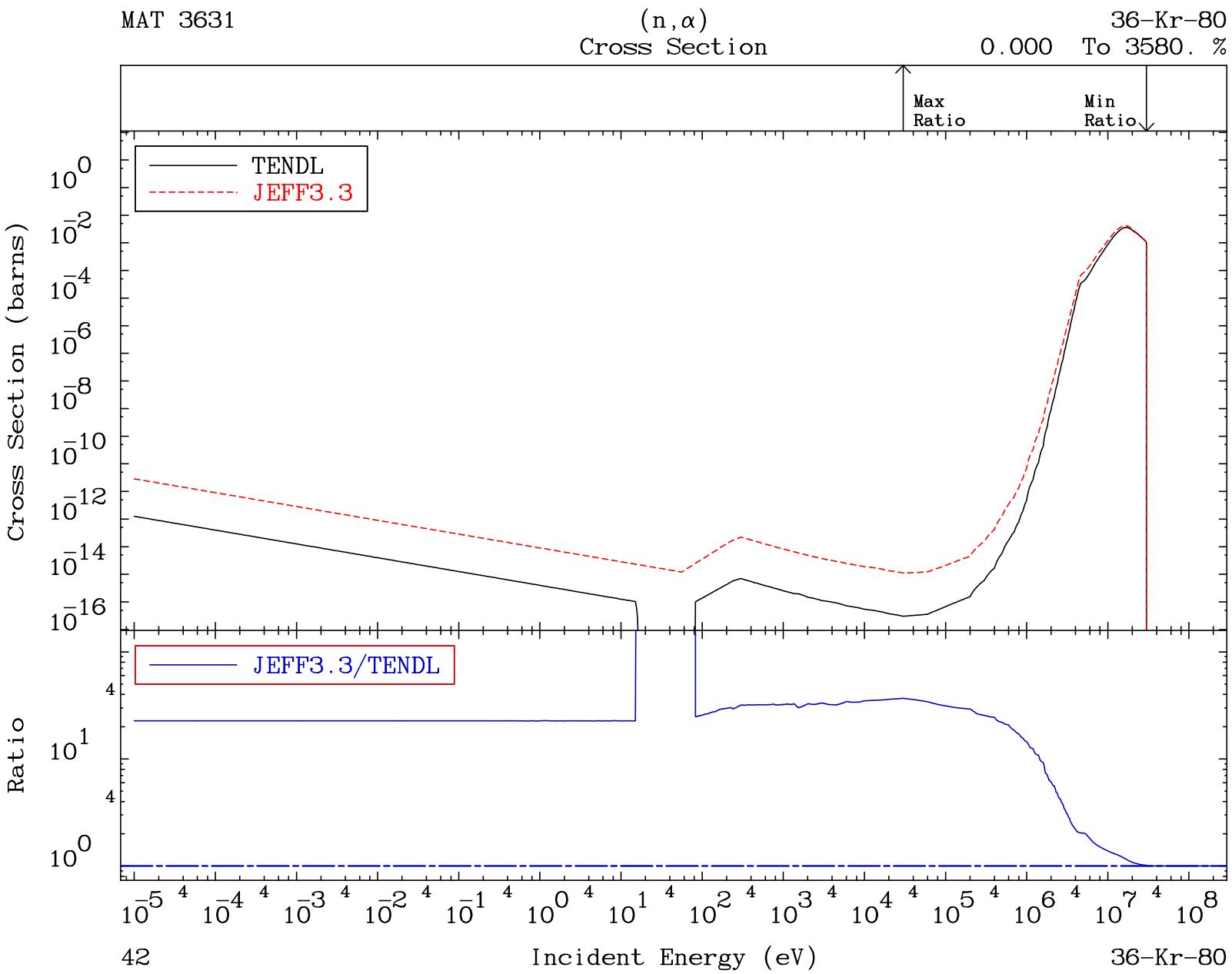

MAT 3631
(n,γ)
Cross Section
36-Kr-80
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
37
36-Kr-80

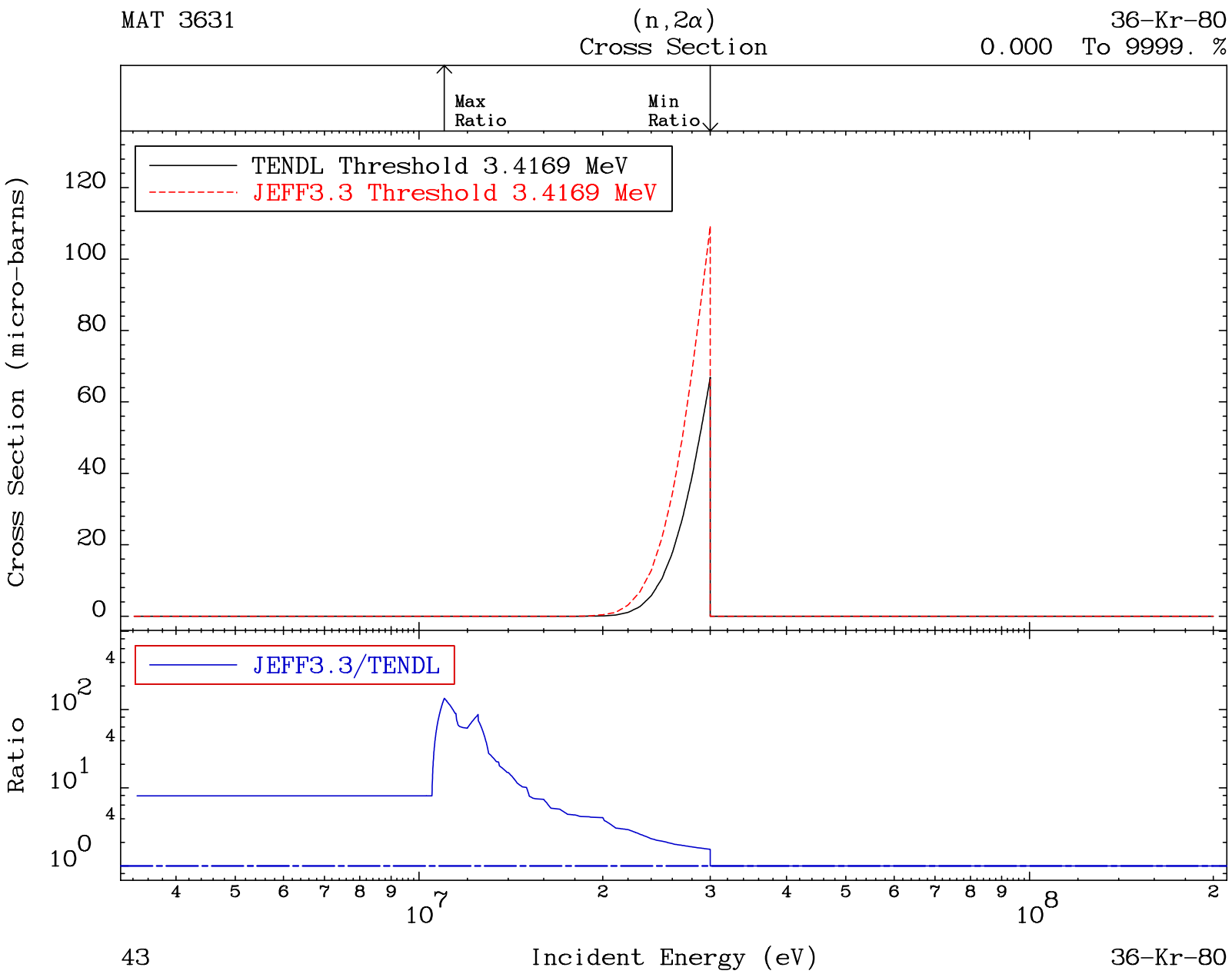

MAT 3631
(n,p)
Cross Section
36-Kr-80
-0.407 To 0.271 %
Max Ratio
Min Ratio
TENDL Threshold 1.2374 MeV
JEFF3.3 Threshold 1.2374 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
38
Incident Energy (eV)
36-Kr-80

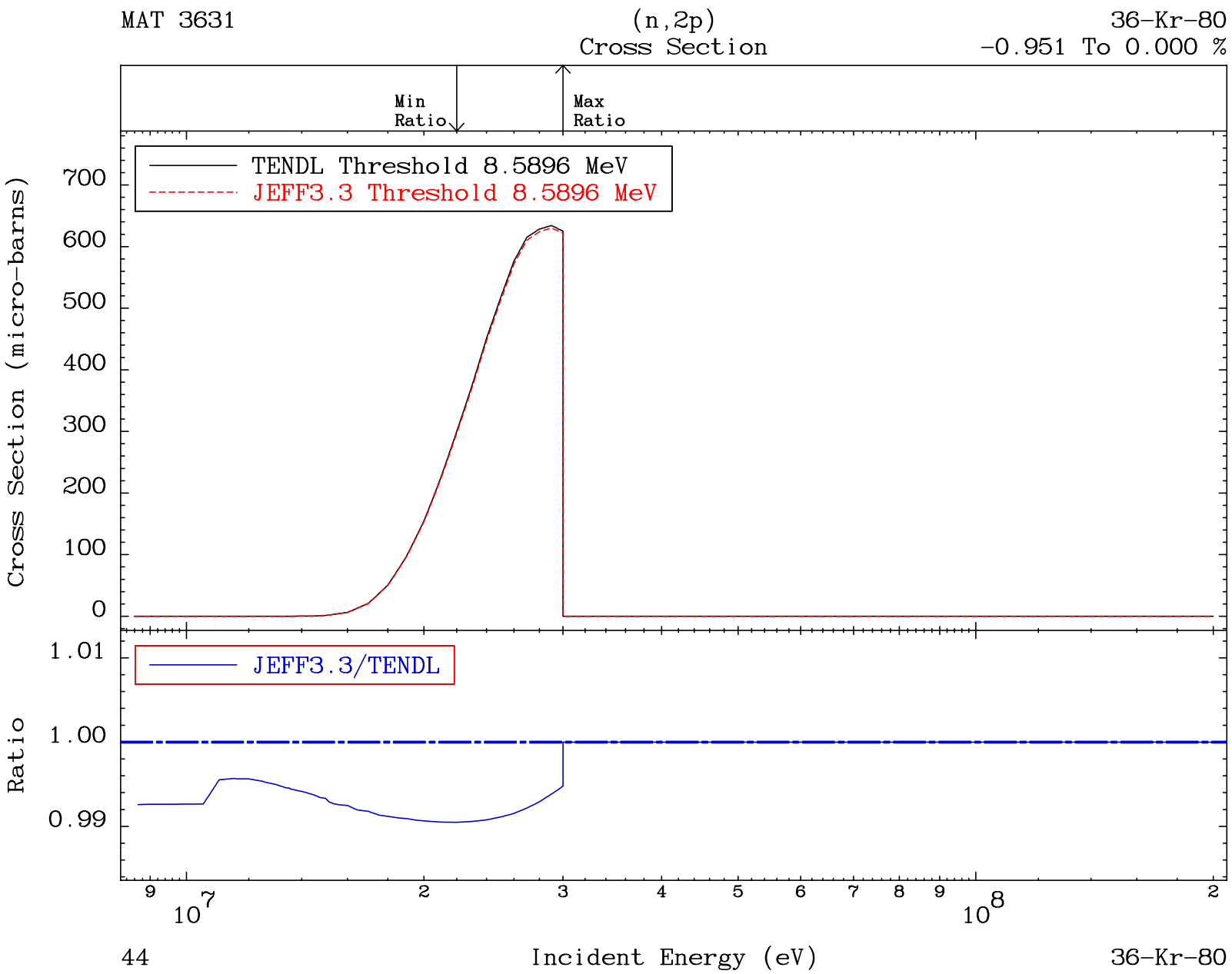

MAT 3631
(n,d)
Cross Section
36-Kr-80
-0.170 To 0.457 %
Max Ratio
Min Ratio
TENDL Threshold 6.9767 MeV
JEFF3.3 Threshold 6.9767 MeV
Cross Section (milli-barns)
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
39
Incident Energy (eV)
36-Kr-80

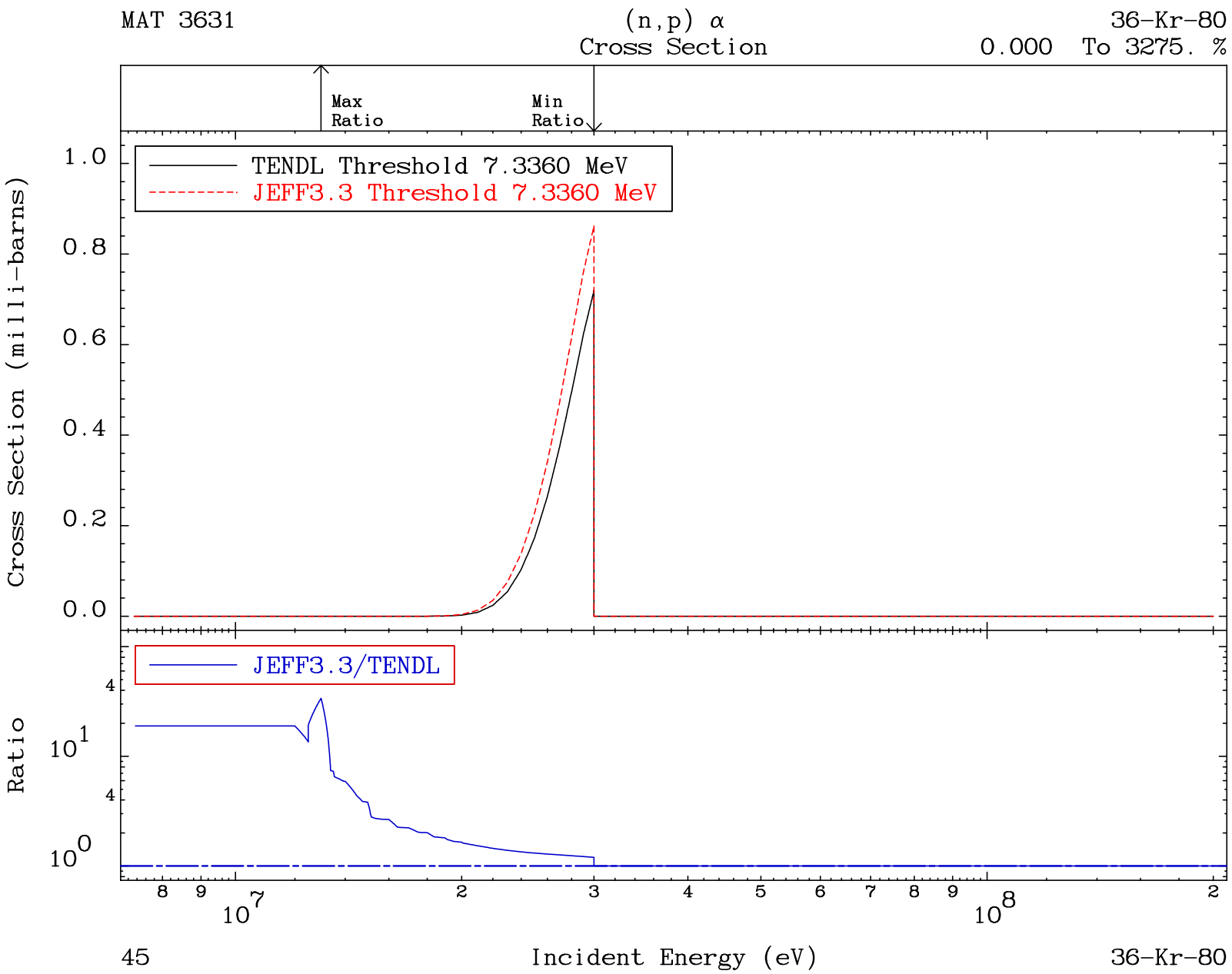

MAT 3631
(n,t)
Cross Section
36-Kr-80
-0.543 To 0.024 %
Min Ratio
Max Ratio
TENDL Threshold 11.463 MeV
JEFF3.3 Threshold 11.463 MeV
Cross Section (milli-barns)
0
2
4
6
JEFF3.3/TENDL
Ratio
0.99
1.00
1.01
2
3
4
5
6
7
8
9
10^8
2
40
Incident Energy (eV)
36-Kr-80

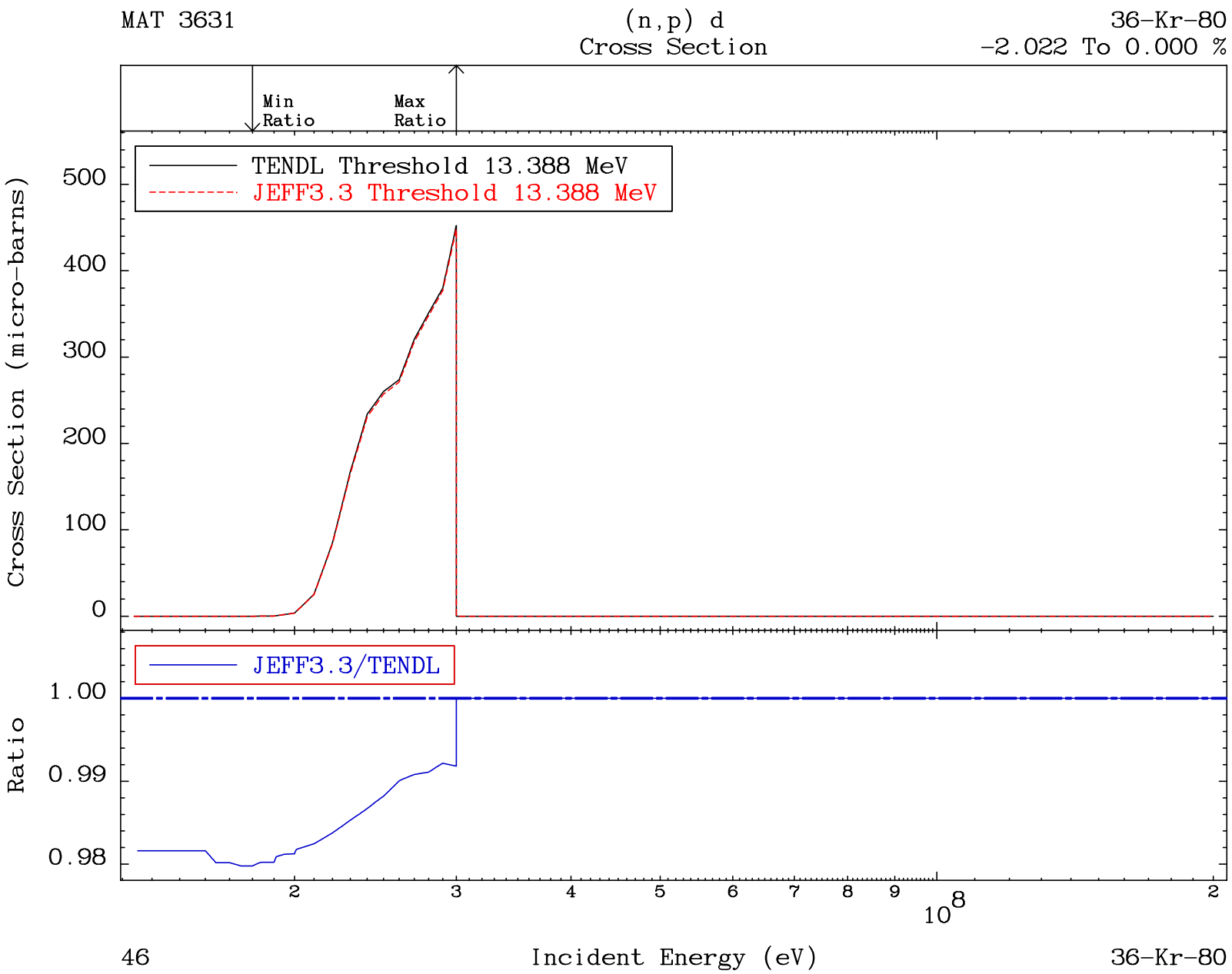

MAT 3631
(n,He-3)
Cross Section
36-Kr-80
-0.585 To 0.009 %
Min Ratio
Max Ratio
TENDL Threshold 7.8248 MeV
JEFF3.3 Threshold 7.8248 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
JEFF3.3/TENDL
Ratio
0.99
1.00
1.01
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
41
Incident Energy (eV)
36-Kr-80

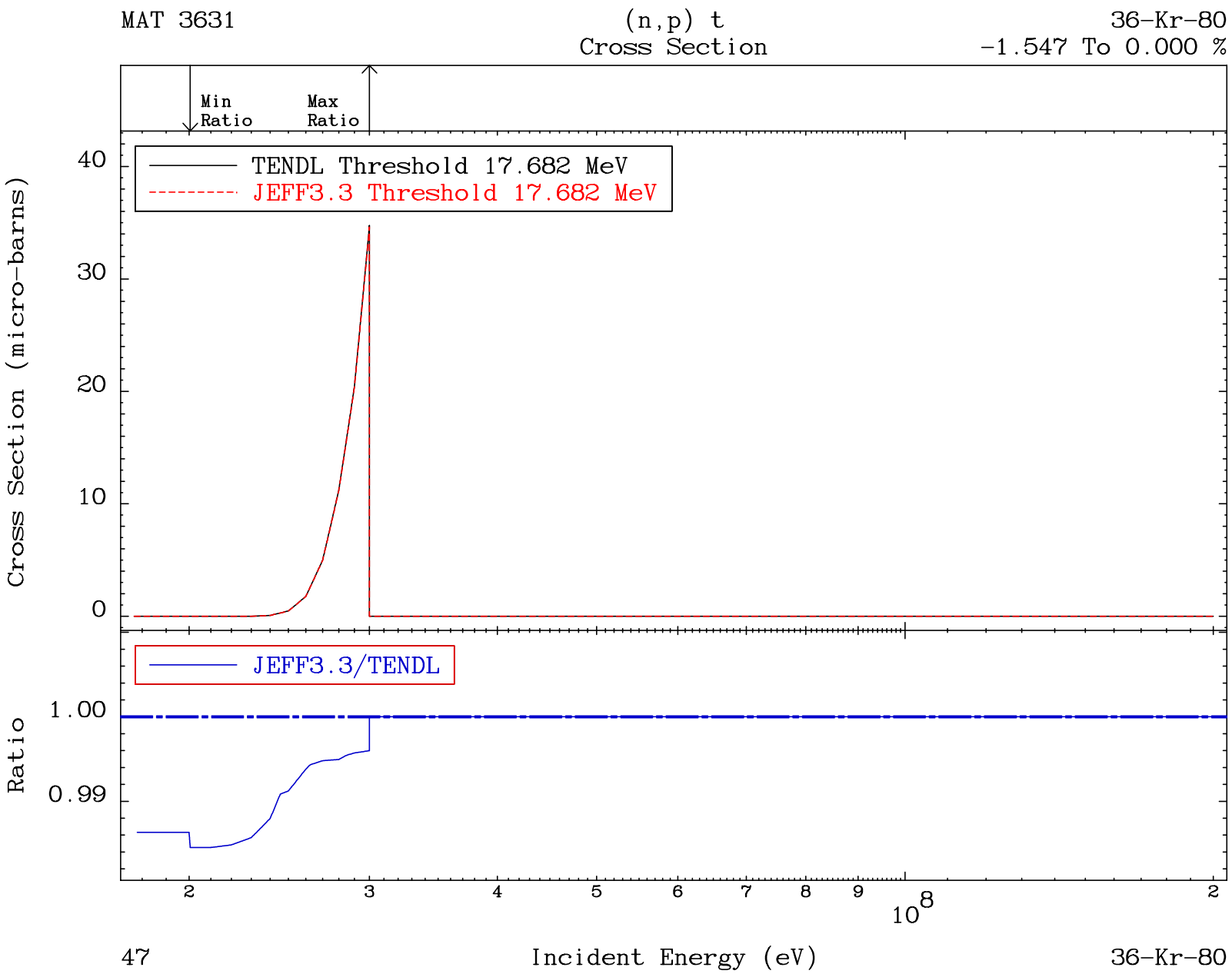

MAT 3631
(n,α)
Cross Section
36-Kr-80
0.000 To 3580. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
42
36-Kr-80

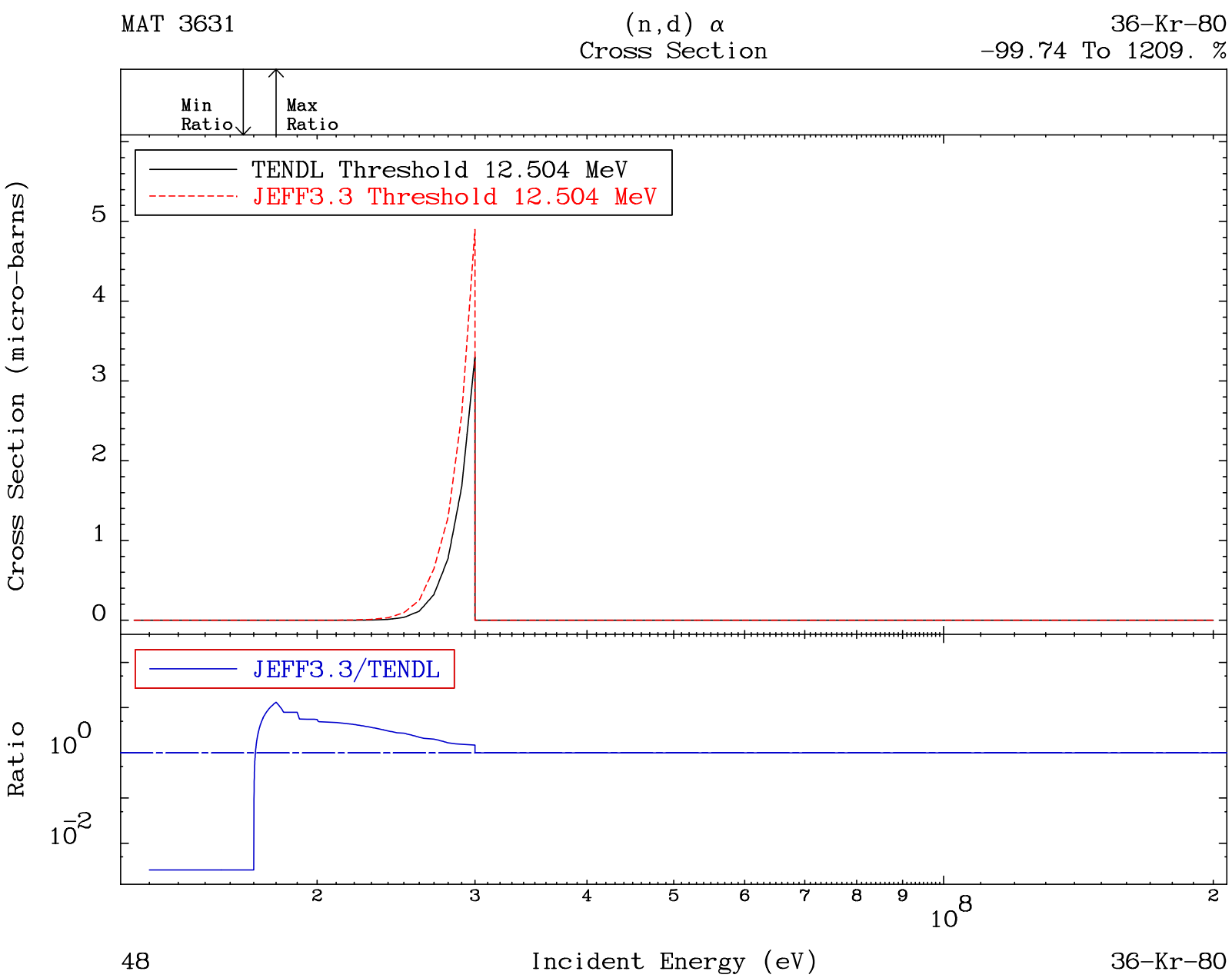

MAT 3631
(n,2α)
Cross Section
36-Kr-80
0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.4169 MeV
JEFF3.3 Threshold 3.4169 MeV
Cross Section (micro-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
4
10^7
10^8
2
3
4
5
6
7
8
9
43
Incident Energy (eV)
36-Kr-80

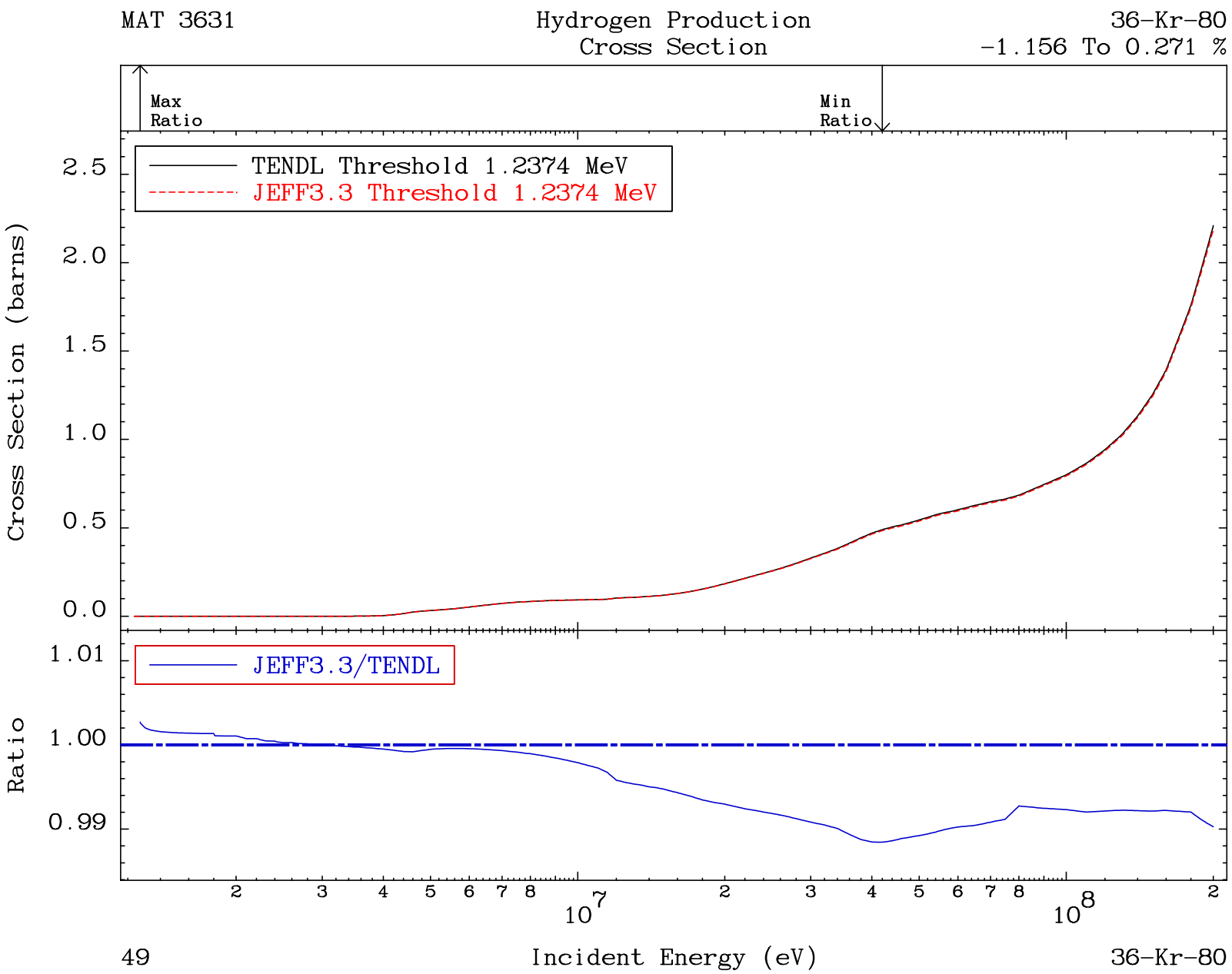

MAT 3631
(n,2p)
Cross Section
36-Kr-80
-0.951 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 8.5896 MeV
JEFF3.3 Threshold 8.5896 MeV
Cross Section (micro-barns)
700
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
9
10^7
2
3
4
5
6
7
8
9
10^8
2
44
Incident Energy (eV)
36-Kr-80

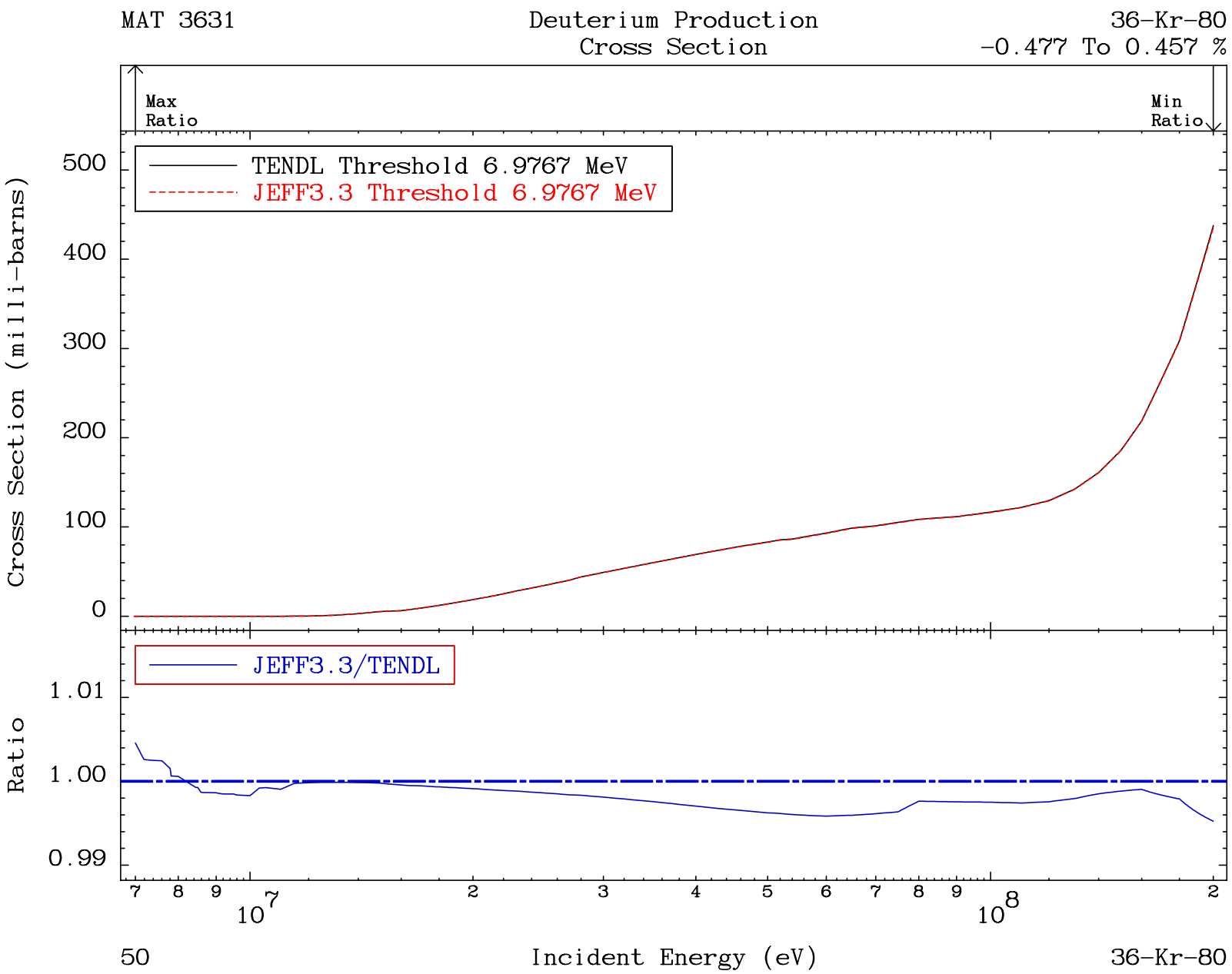

MAT 3631
(n,p) α
Cross Section
36-Kr-80
0.000 To 3275. %
Max Ratio
Min Ratio
TENDL Threshold 7.3360 MeV
JEFF3.3 Threshold 7.3360 MeV
Cross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
4
10^1
4
10^0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
45
Incident Energy (eV)
36-Kr-80

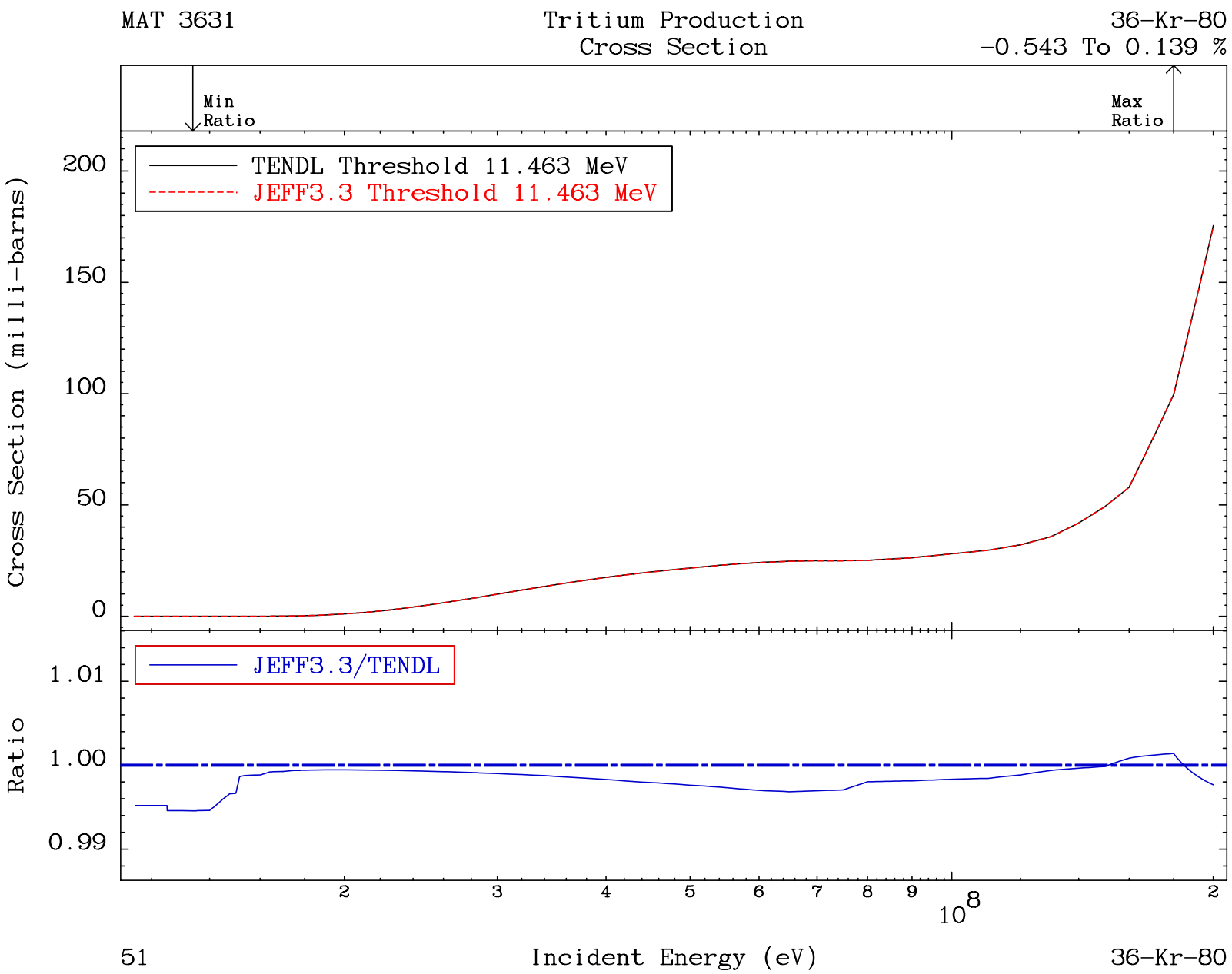

MAT 3631
(n,p) d
Cross Section
36-Kr-80
-2.022 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 13.388 MeV
JEFF3.3 Threshold 13.388 MeV
Cross Section (micro-barns)
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.00
0.99
0.98
2
3
4
5
6
7
8
9
10^8
2
46
Incident Energy (eV)
36-Kr-80

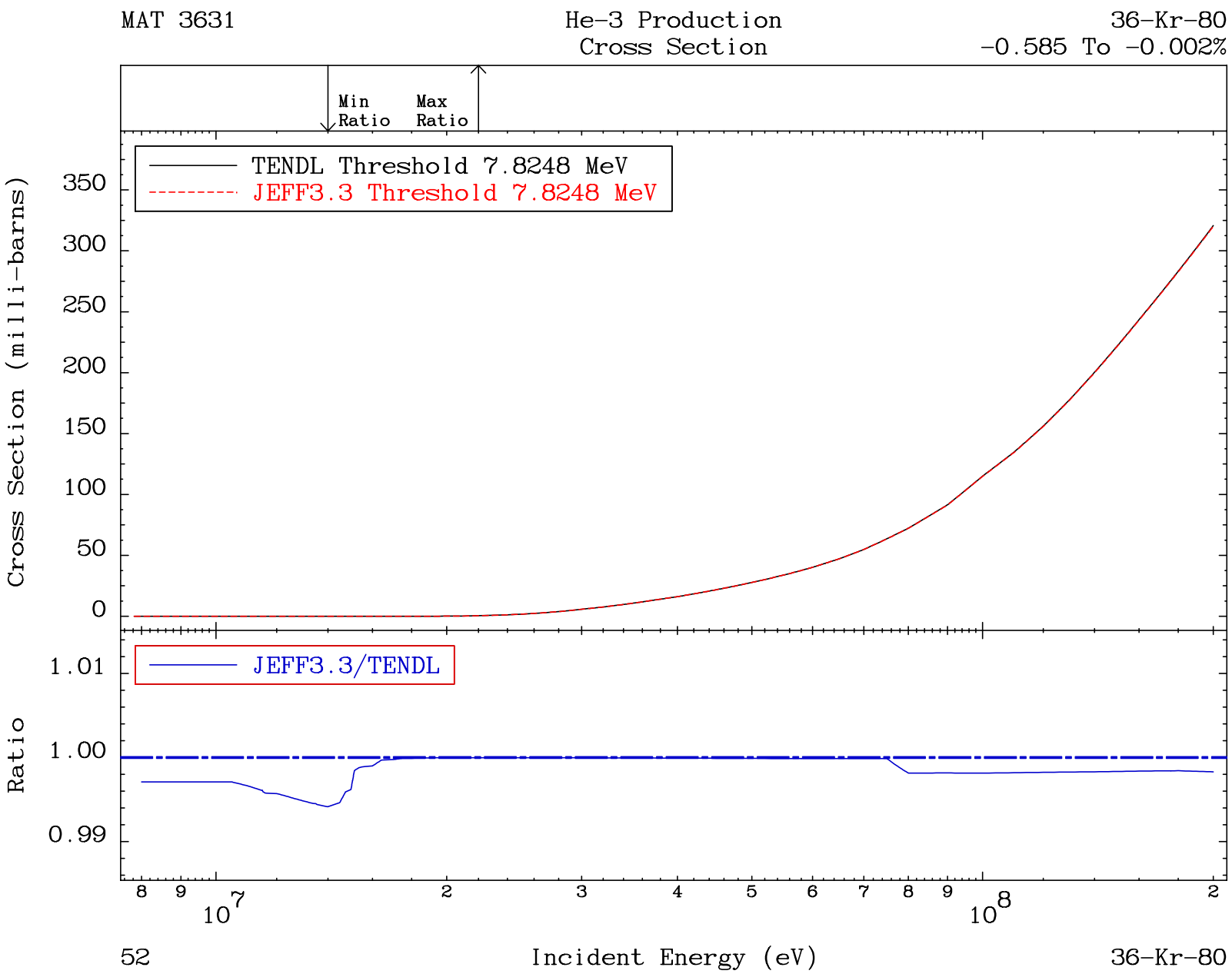

MAT 3631
(n,p) t
Cross Section
36-Kr-80
-1.547 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 17.682 MeV
JEFF3.3 Threshold 17.682 MeV
Cross Section (micro-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
47
Incident Energy (eV)
36-Kr-80

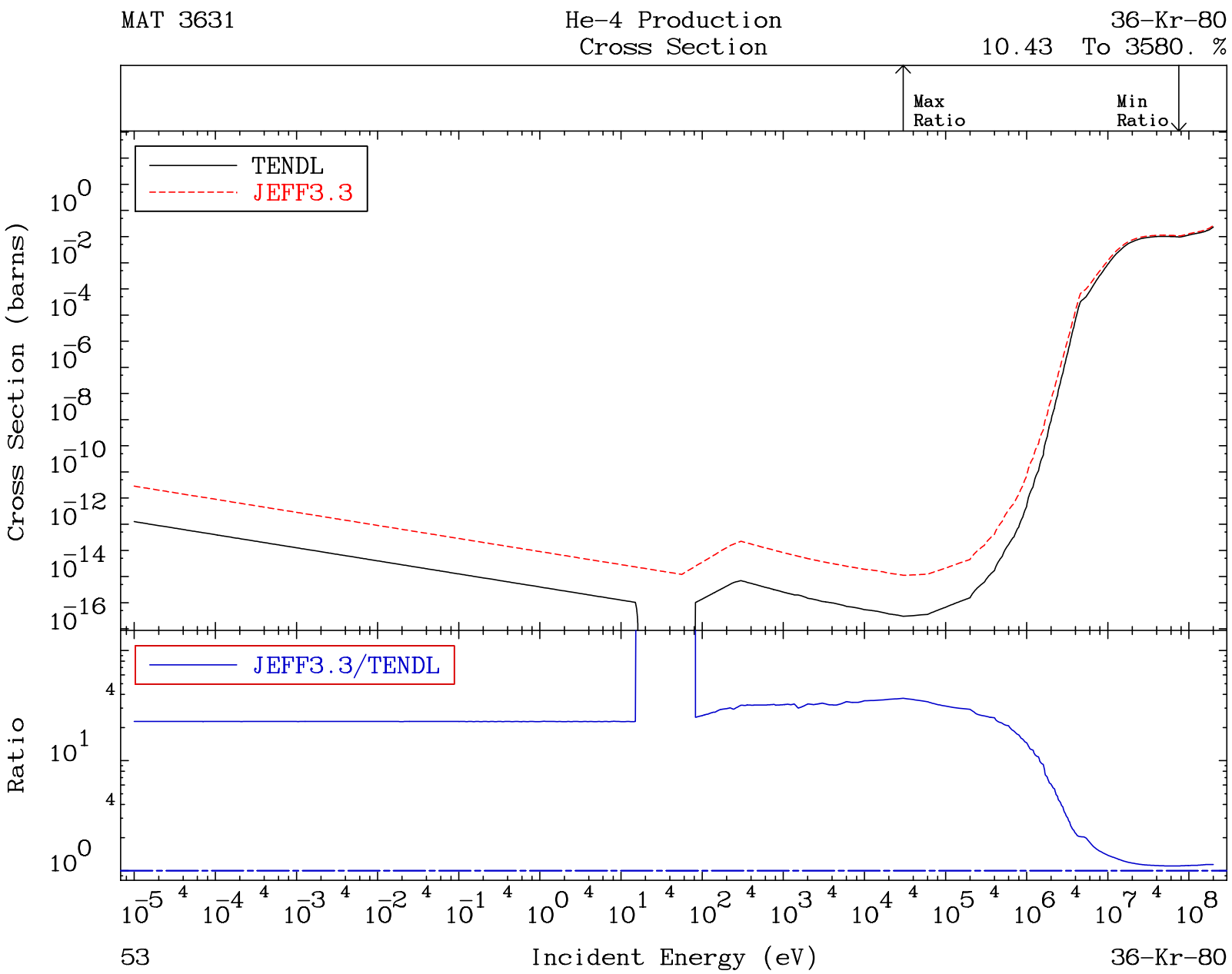

MAT 3631
(n,d) α
Cross Section
36-Kr-80
-99.74 To 1209. %
Min Ratio
Max Ratio
TENDL Threshold 12.504 MeV
JEFF3.3 Threshold 12.504 MeV
Cross Section (micro-barns)
0
1
2
3
4
5
JEFF3.3/TENDL
Ratio
10^0
10^-2
2
3
4
5
6
7
8
9
10^8
2
48
Incident Energy (eV)
36-Kr-80

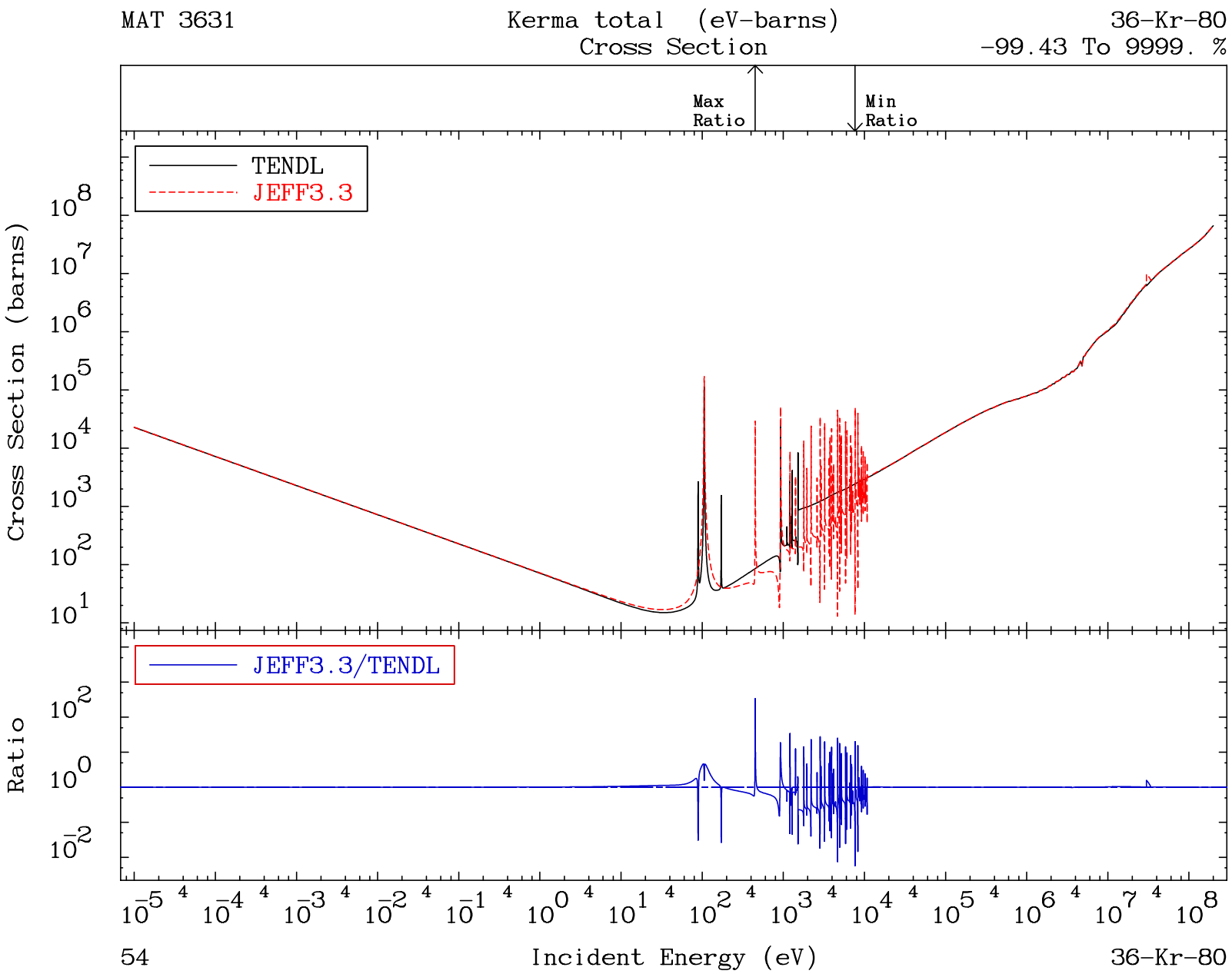

MAT 3631
Hydrogen Production
Cross Section
36-Kr-80
-1.156 To 0.271 %
Max Ratio
Min Ratio
TENDL Threshold 1.2374 MeV
JEFF3.3 Threshold 1.2374 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
49
Incident Energy (eV)
36-Kr-80

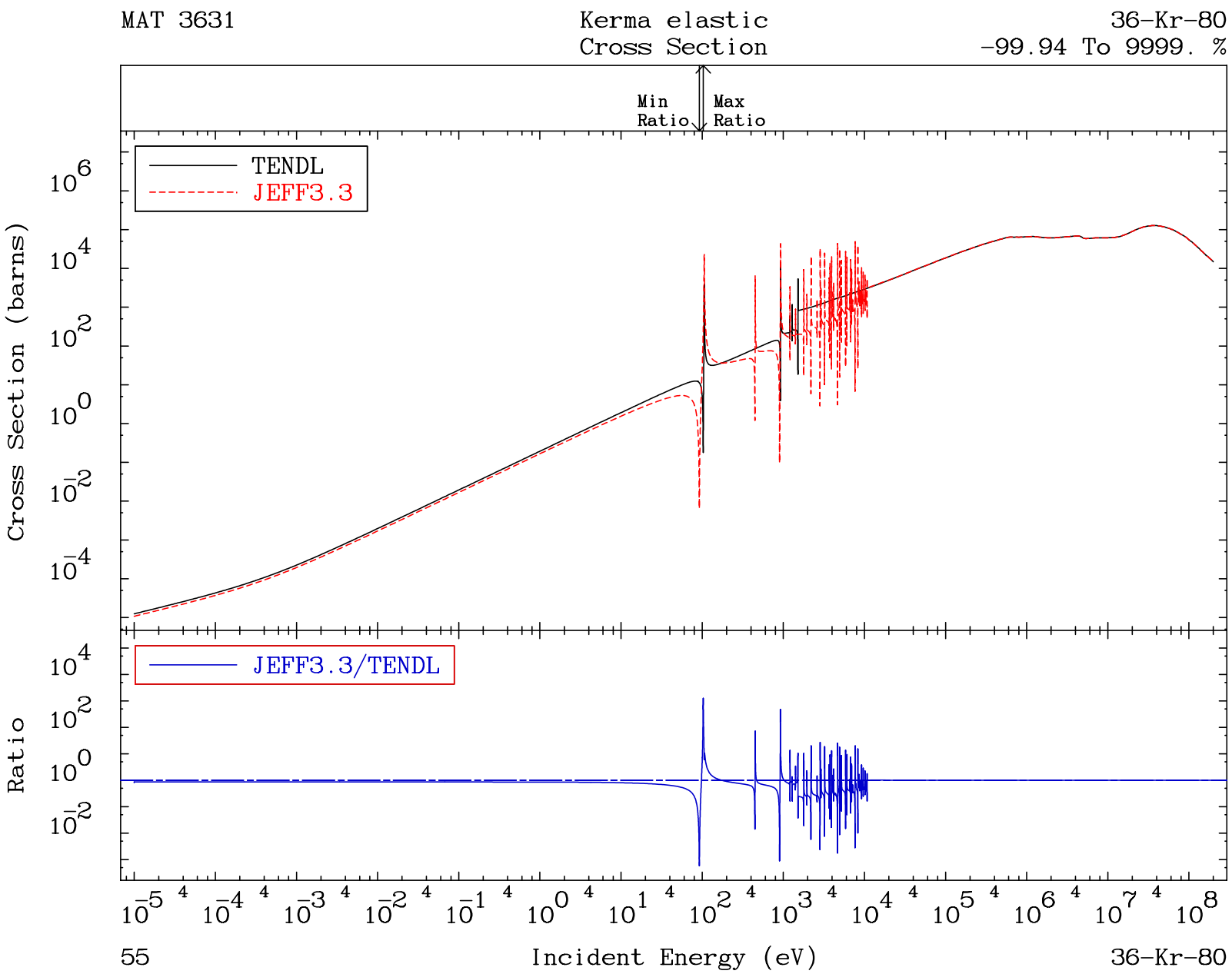

MAT 3631
Deuterium Production
Cross Section
36-Kr-80
-0.477 To 0.457 %
Max
Ratio
Min
Ratio
TENDL Threshold 6.9767 MeV
JEFF3.3 Threshold 6.9767 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
50
Incident Energy (eV)
36-Kr-80

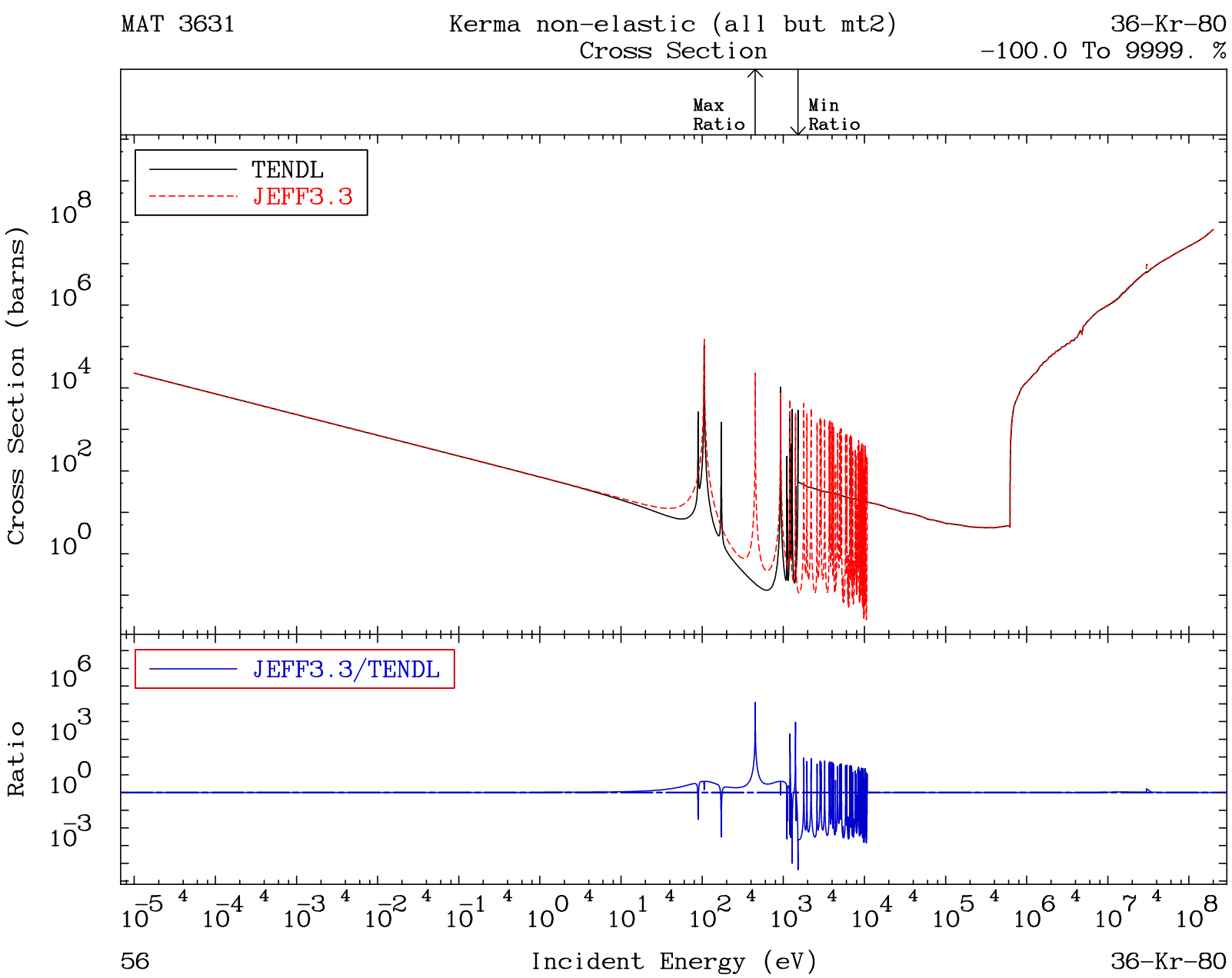

MAT 3631
Tritium Production
Cross Section
36-Kr-80
-0.543 To 0.139 %
Min
Ratio
Max
Ratio
TENDL Threshold 11.463 MeV
JEFF3.3 Threshold 11.463 MeV
Cross Section (milli-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
51
Incident Energy (eV)
36-Kr-80

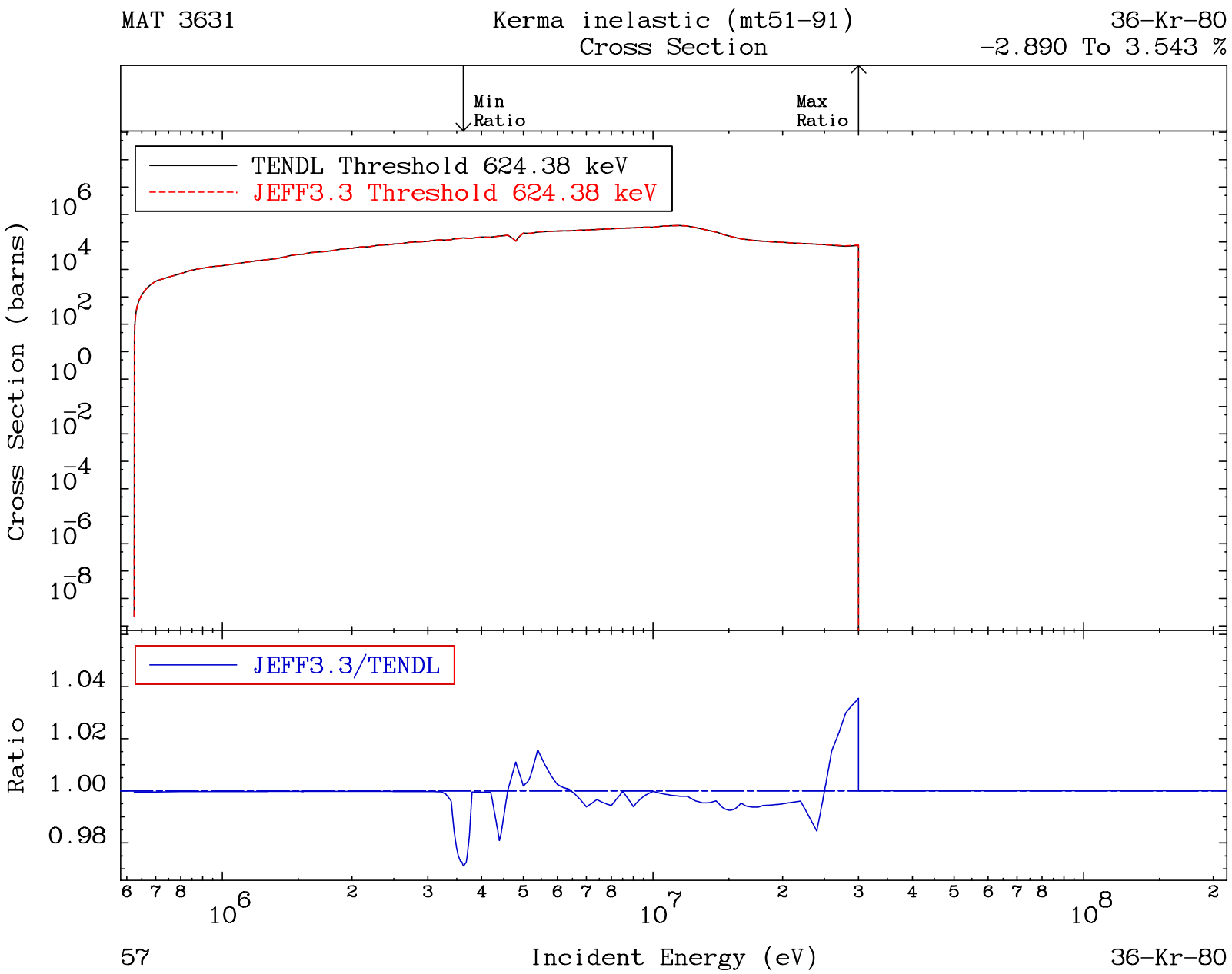

MAT 3631
He-3 Production
Cross Section
36-Kr-80
-0.585 To -0.002%
Min Ratio
Max Ratio
TENDL Threshold 7.8248 MeV
JEFF3.3 Threshold 7.8248 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
52
Incident Energy (eV)
36-Kr-80

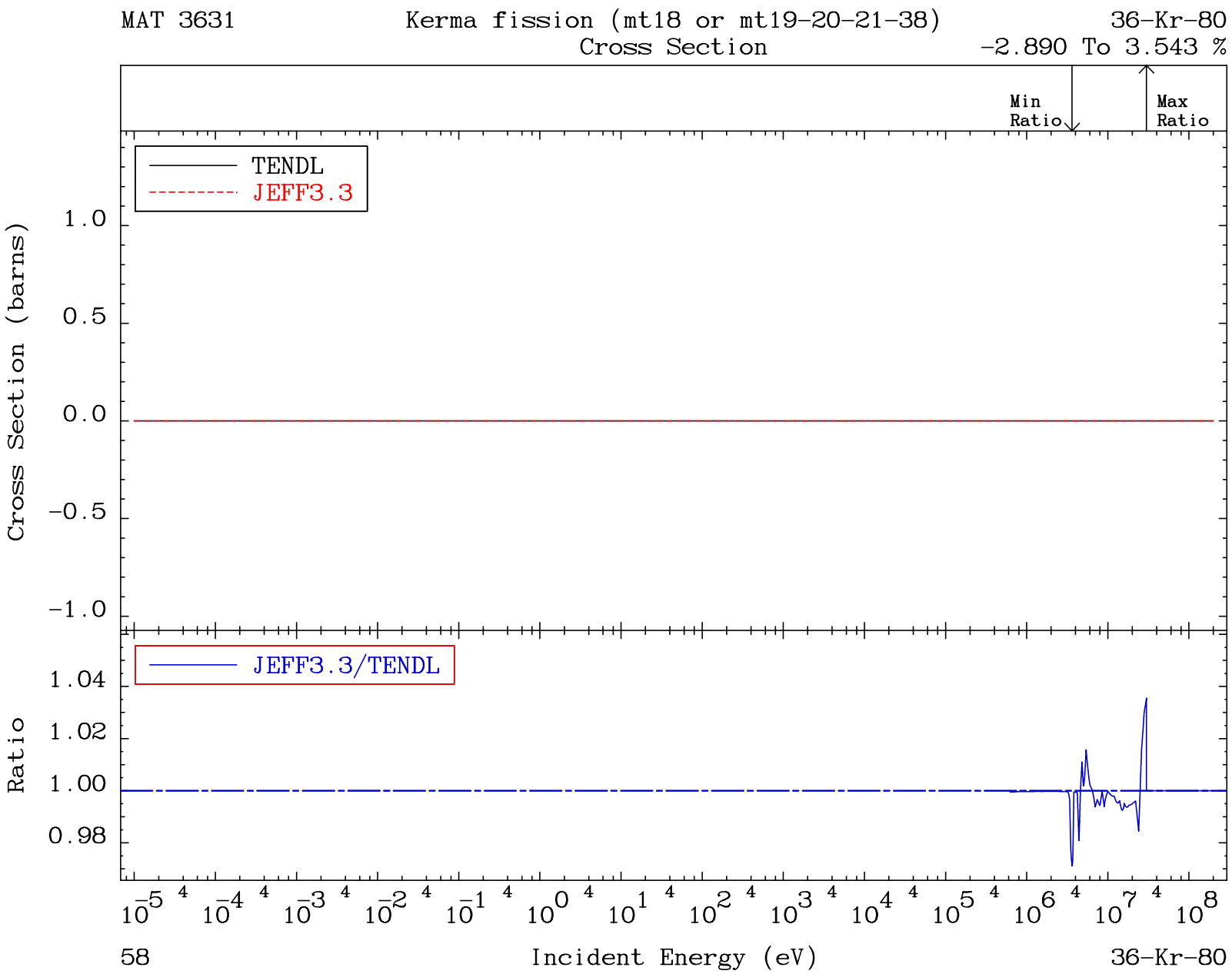

MAT 3631
He-4 Production
Cross Section
36-Kr-80
10.43 To 3580. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
53
36-Kr-80

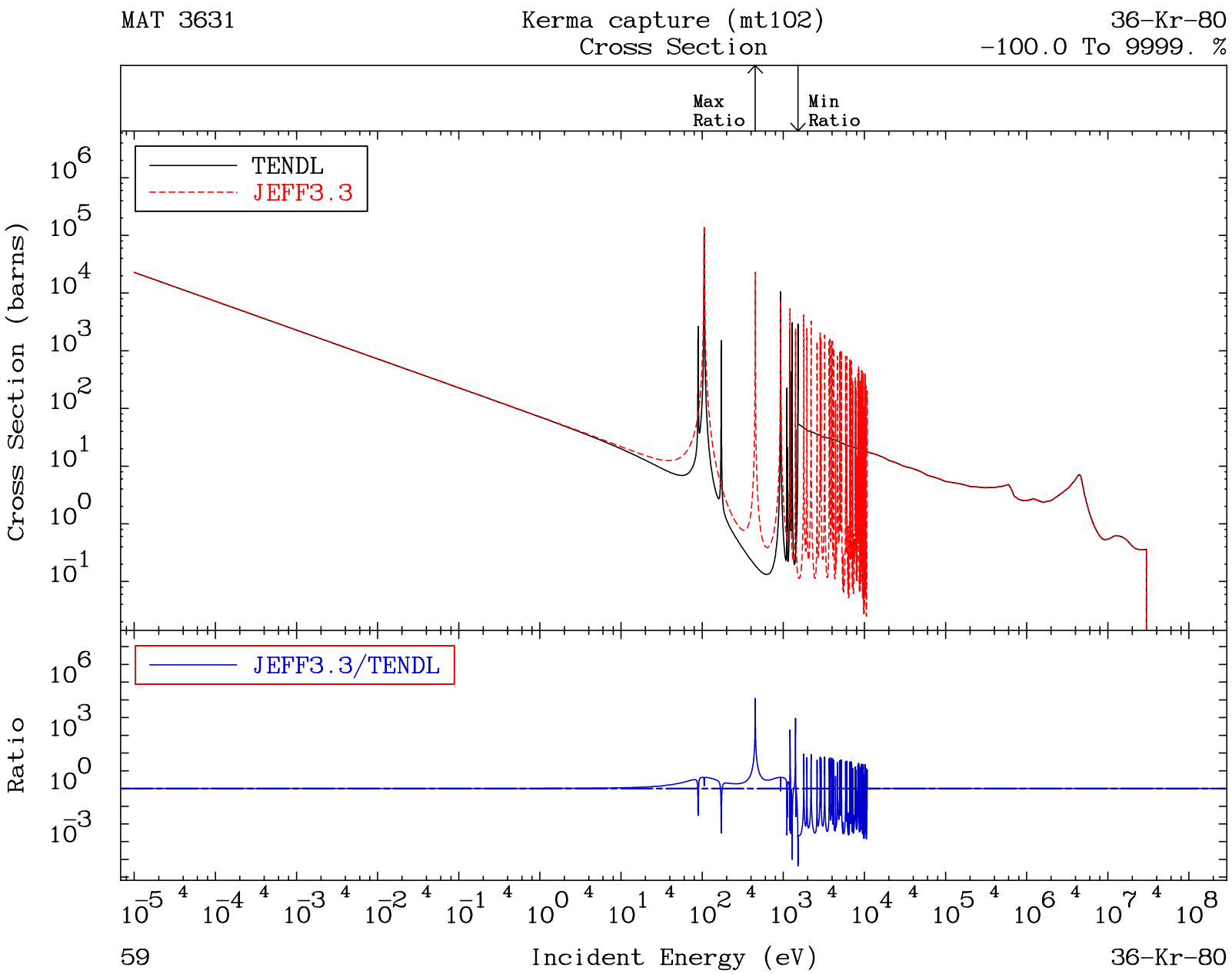

MAT 3631
Kerma total (eV-barns)
Cross Section
36-Kr-80
-99.43 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
54
36-Kr-80

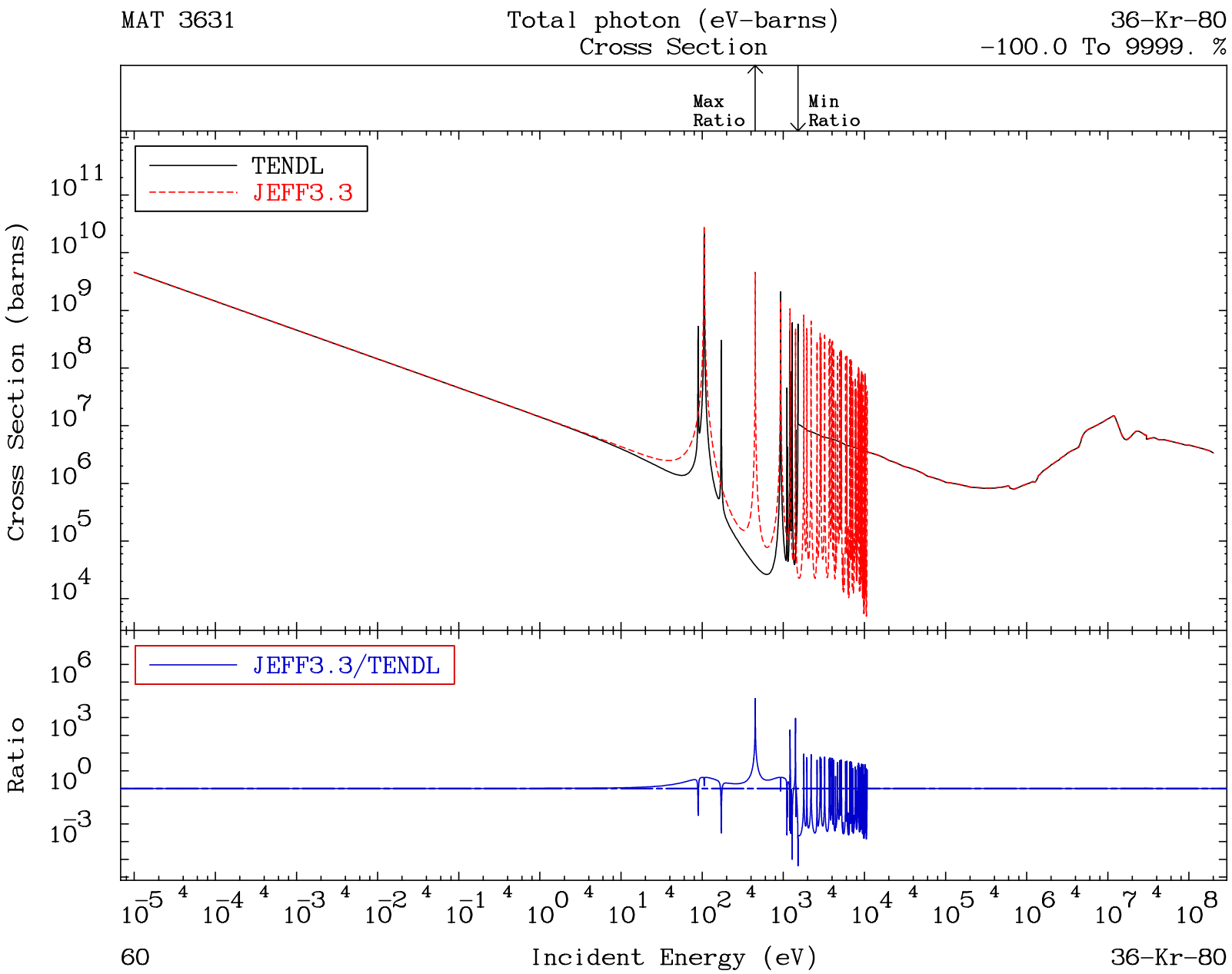

MAT 3631
Kerma elastic
Cross Section
36-Kr-80
-99.94 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
55
36-Kr-80

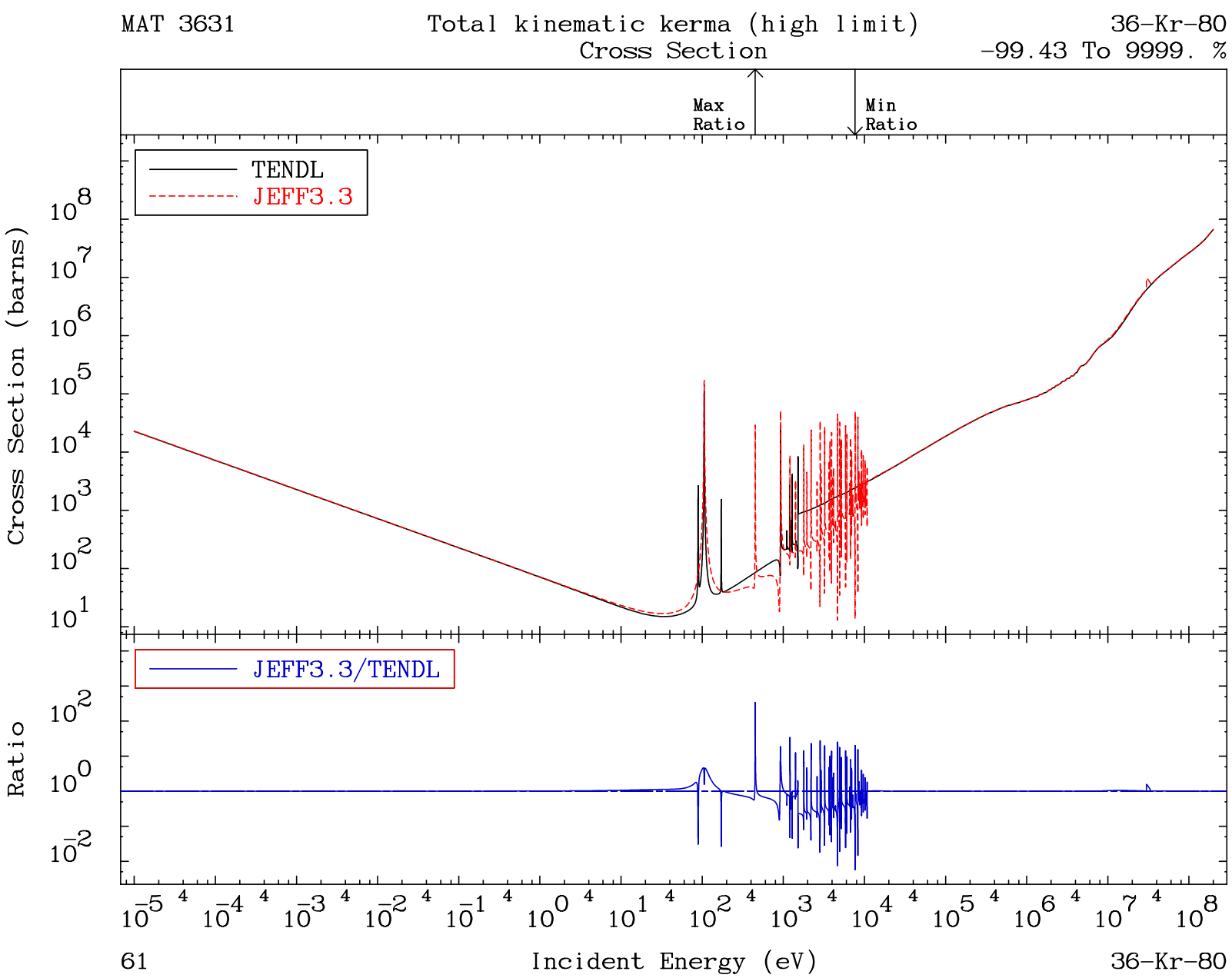

MAT 3631
Kerma non-elastic (all but mt2)
Cross Section
36-Kr-80
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
56
36-Kr-80

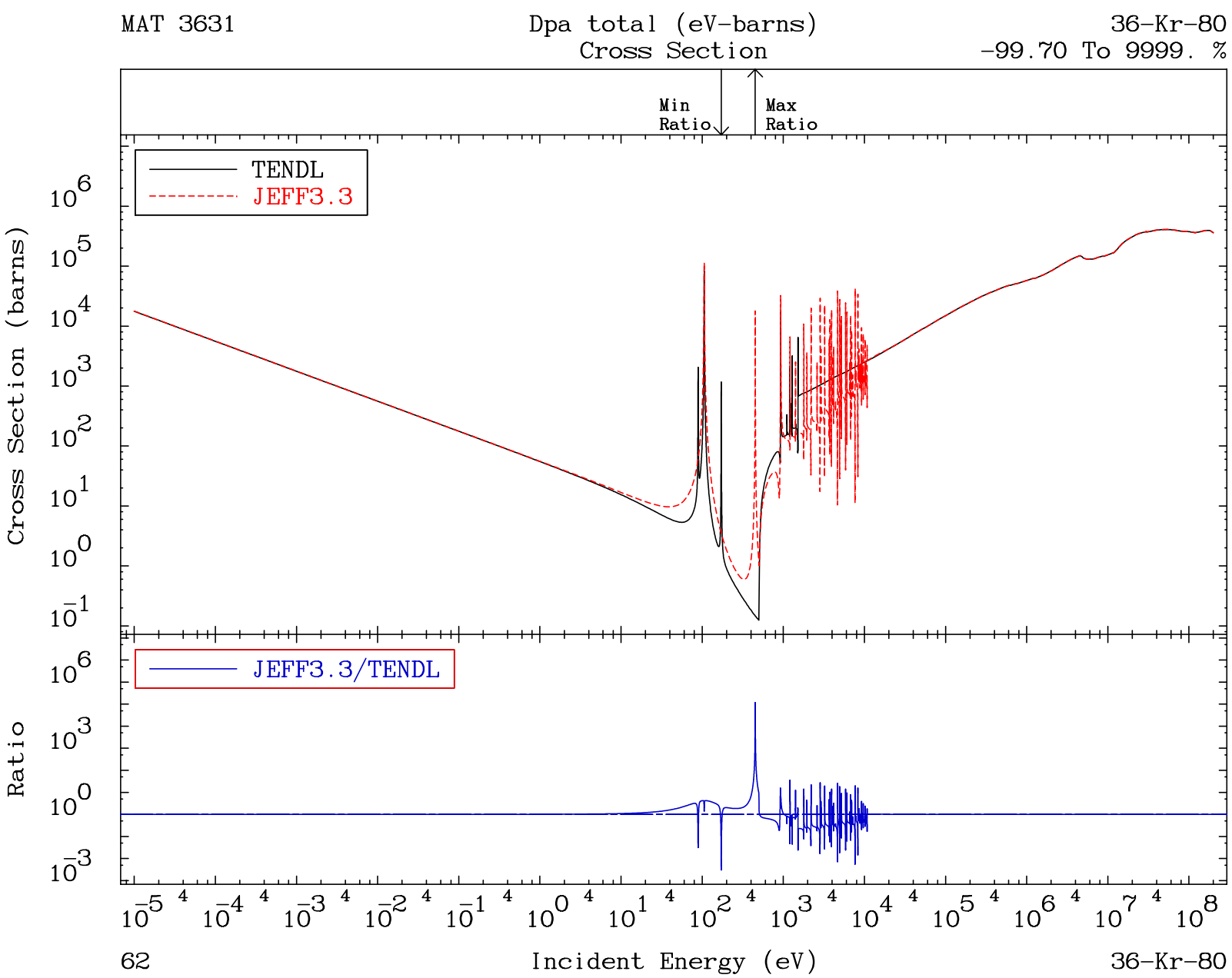

MAT 3631
Kerma inelastic (mt51-91)
Cross Section
36-Kr-80
-2.890 To 3.543 %
Min Ratio
Max Ratio
TENDL Threshold 624.38 keV
JEFF3.3 Threshold 624.38 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
57
36-Kr-80

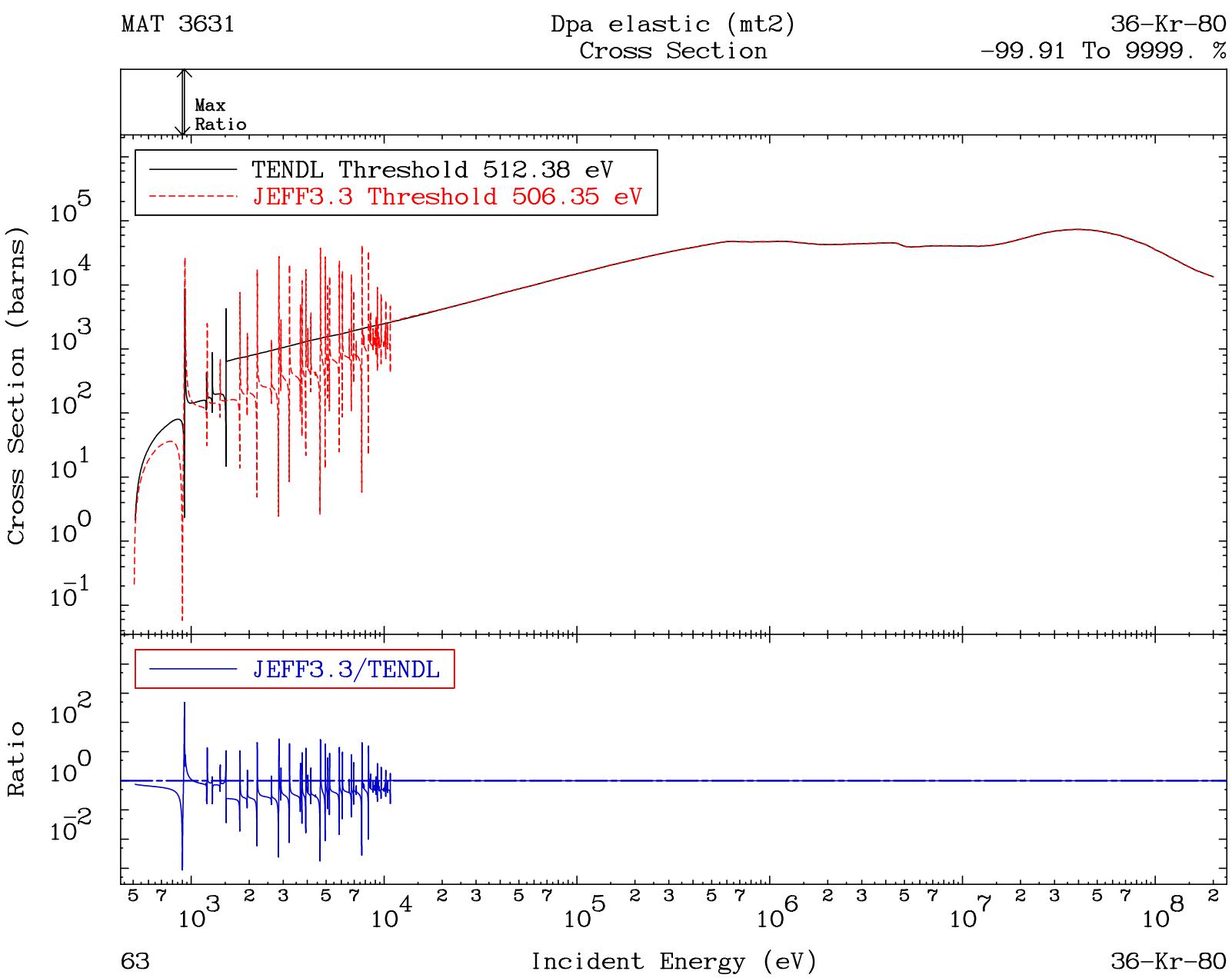

MAT 3631
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
36-Kr-80
-2.890 To 3.543 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
JEFF3.3/TENDL
Ratio
1.04
1.02
1.00
0.98
10-5 4 10-4 4 10-3 4 10-2 4 10-1 4 100 4 101 4 102 4 103 4 104 4 105 4 106 4 107 4 108
58
Incident Energy (eV)
36-Kr-80

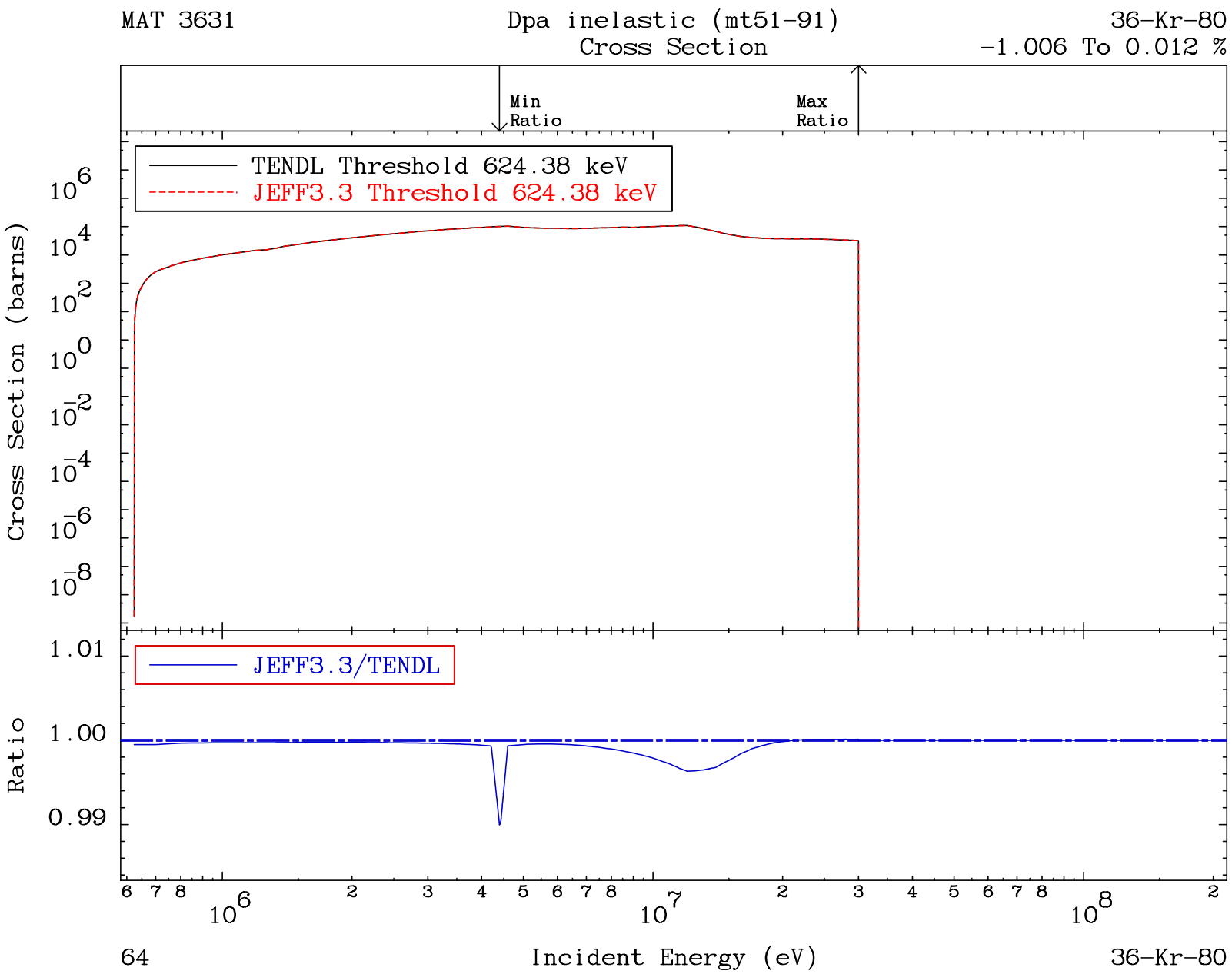

MAT 3631
Kerma capture (mt102)
Cross Section
36-Kr-80
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
59
Incident Energy (eV)
36-Kr-80

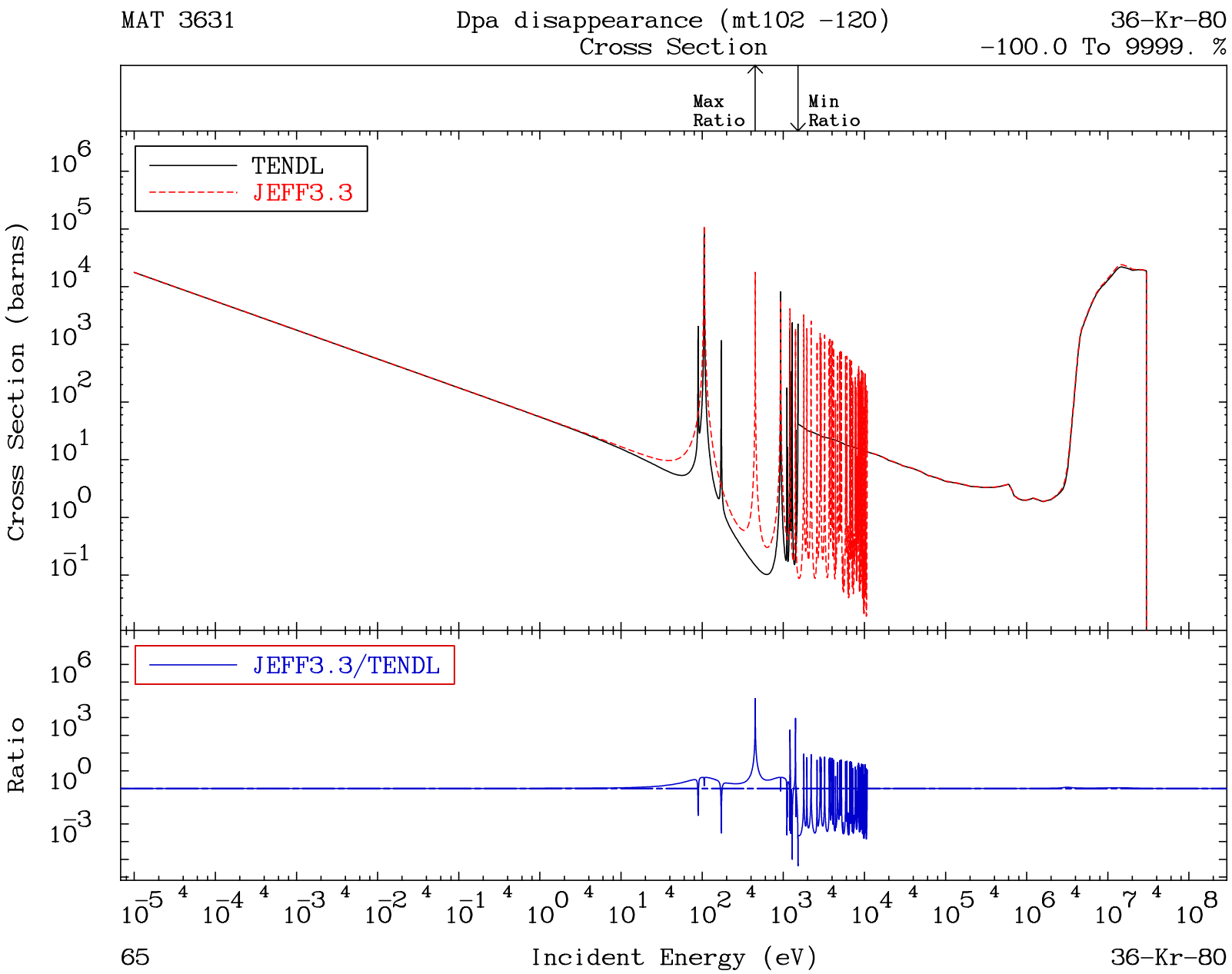

MAT 3631
Total photon (eV-barns)
Cross Section
36-Kr-80
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
60
36-Kr-80

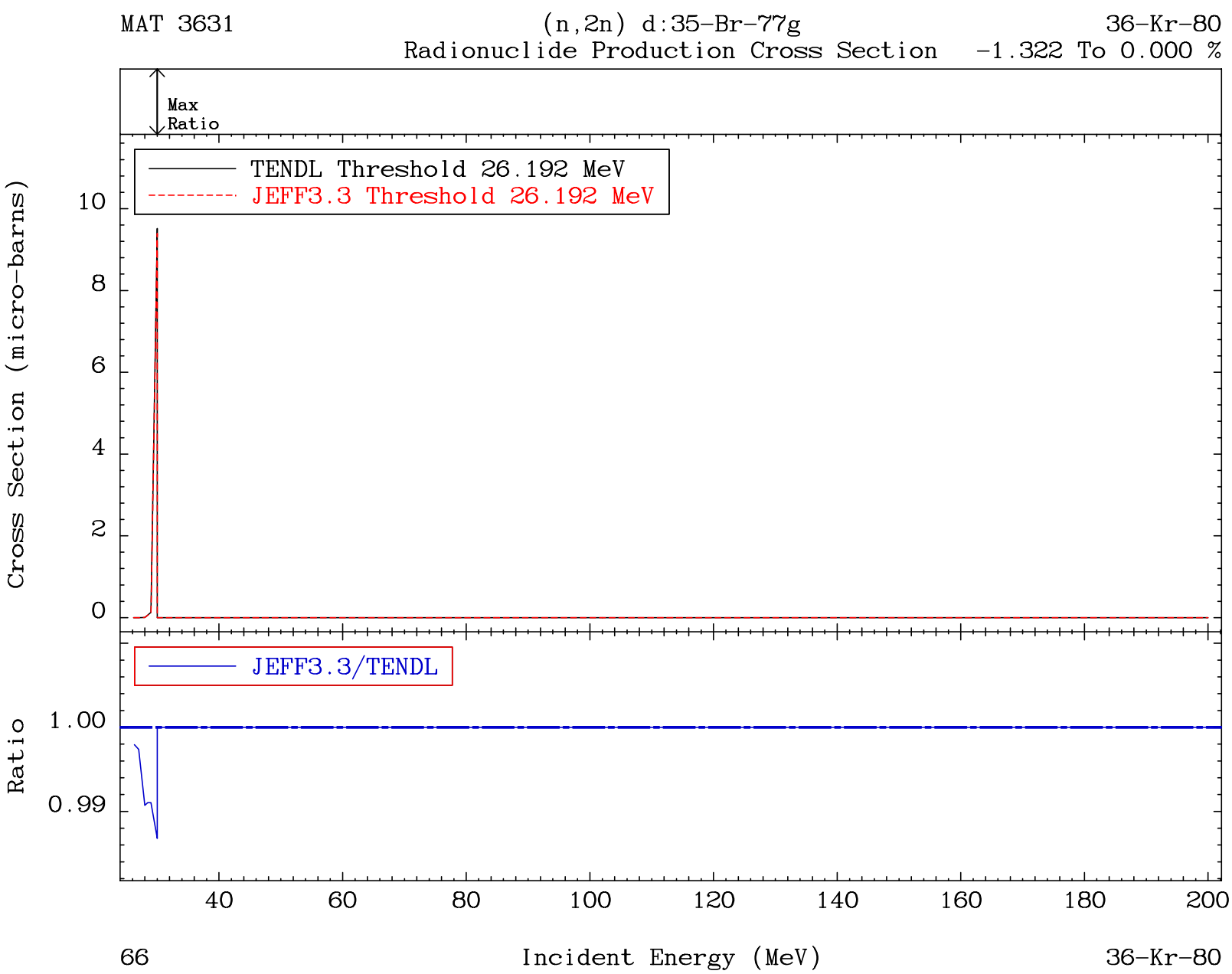

MAT 3631
Total kinematic kerma (high limit)
Cross Section
36-Kr-80
-99.43 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
61
36-Kr-80

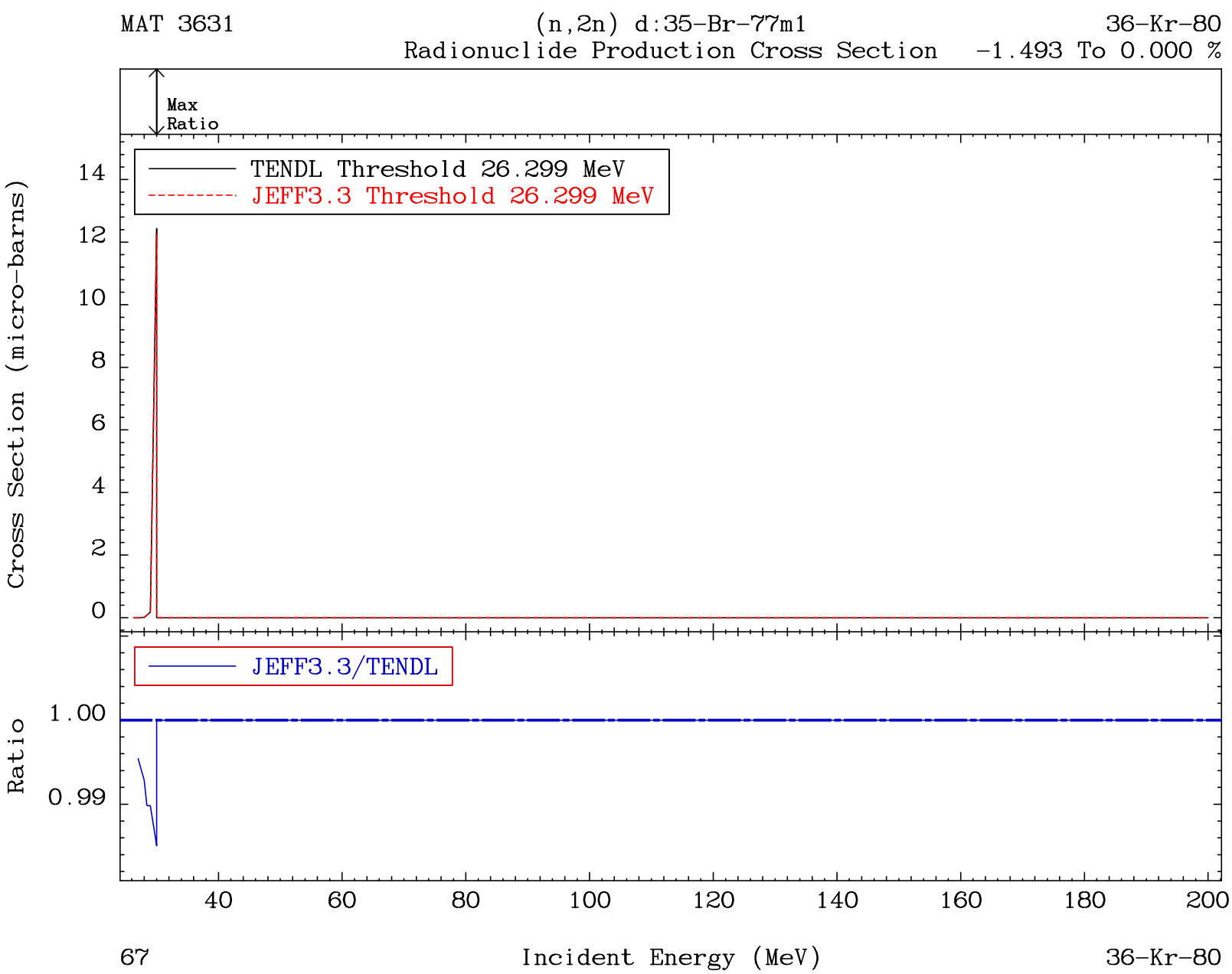

MAT 3631
Dpa total (eV-barns)
Cross Section
36-Kr-80
-99.70 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
62
36-Kr-80

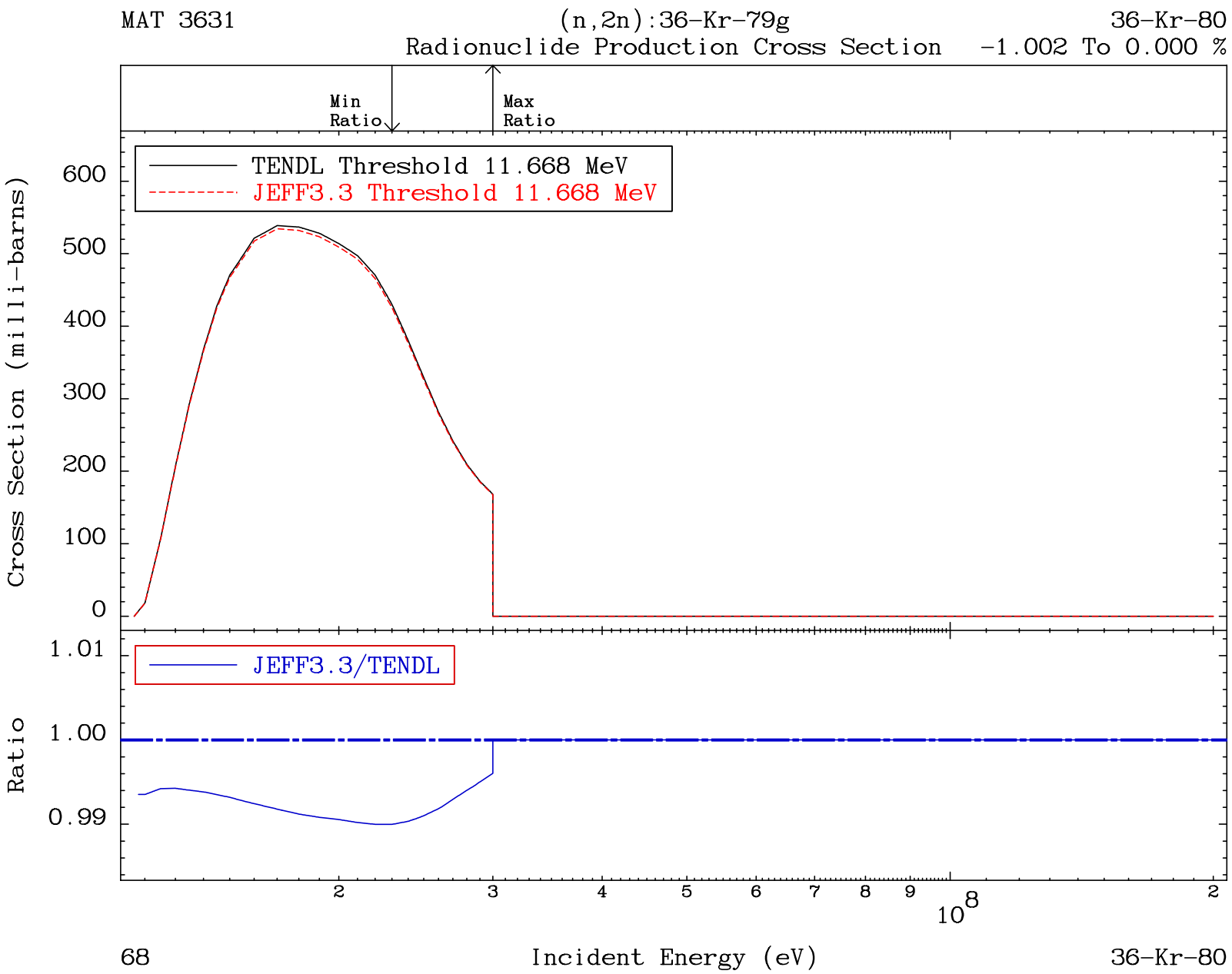

MAT 3631
Dpa elastic (mt2)
Cross Section
36-Kr-80
-99.91 To 9999. %
Max
Ratio
TENDL Threshold 512.38 eV
JEFF3.3 Threshold 506.35 eV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
63
36-Kr-80

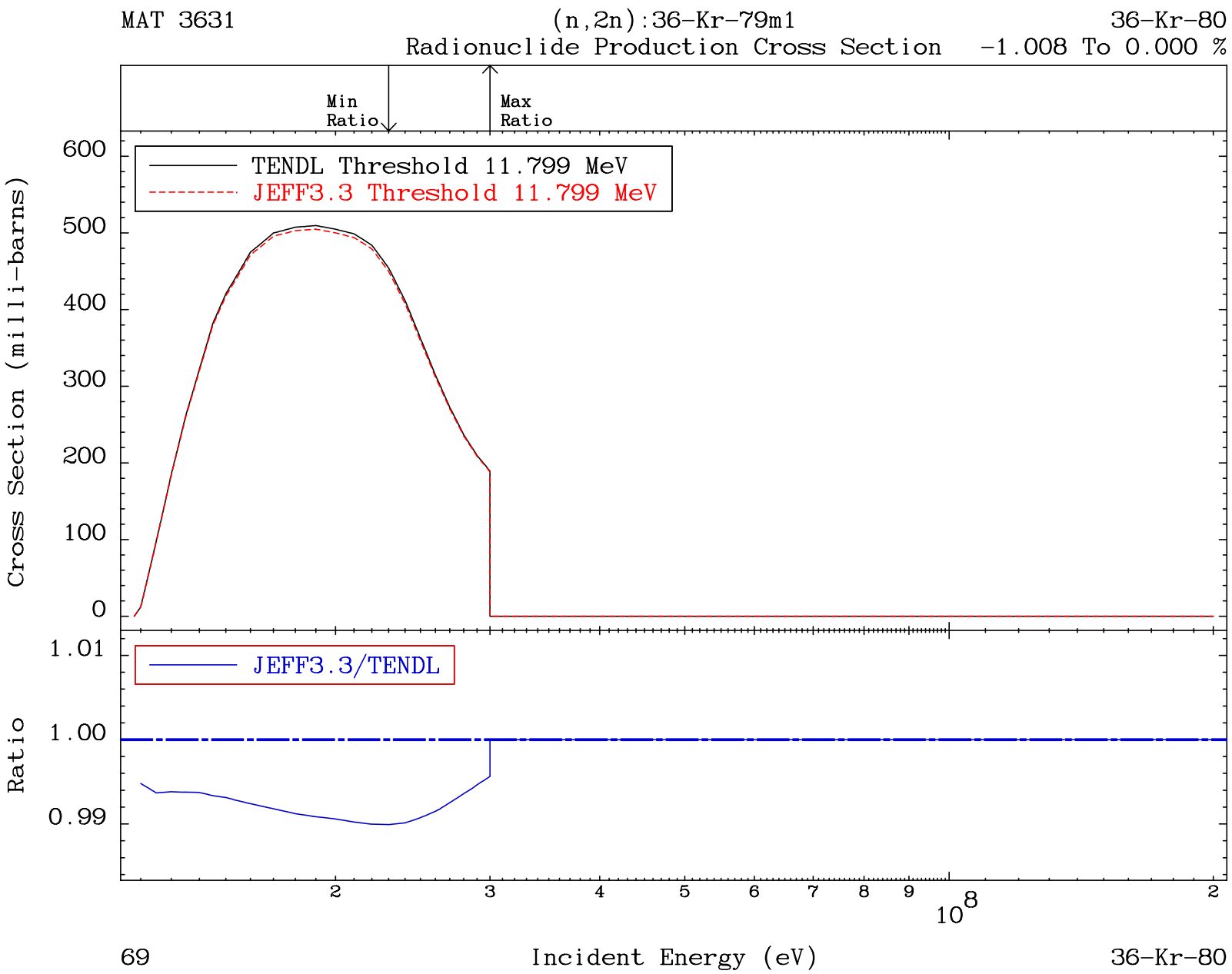

MAT 3631
Dpa inelastic (mt51-91)
Cross Section
36-Kr-80
-1.006 To 0.012 %
Min Ratio
Max Ratio
TENDL Threshold 624.38 keV
JEFF3.3 Threshold 624.38 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
64
36-Kr-80

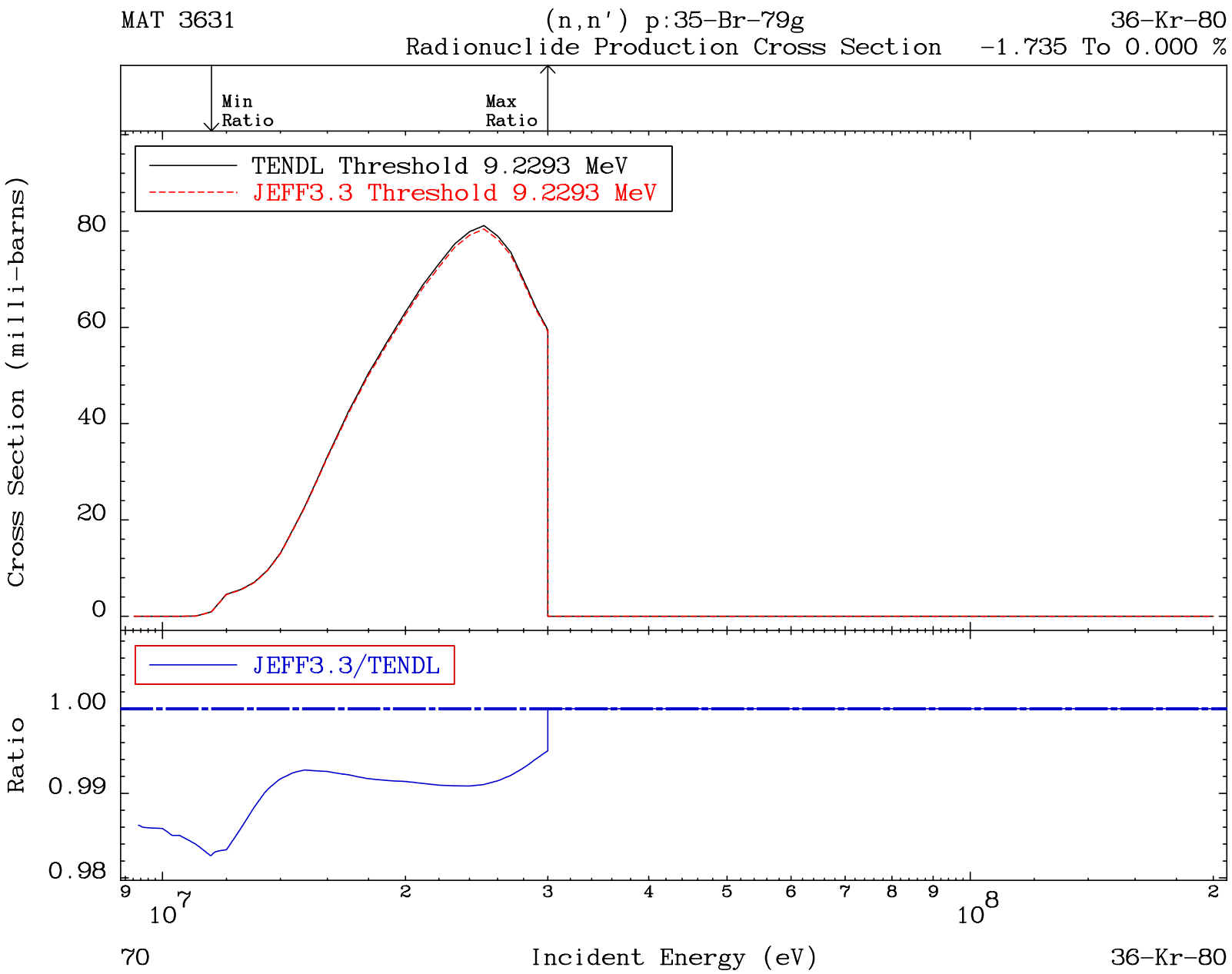

MAT 3631
Dpa disappearance (mt102 -120)
Cross Section
36-Kr-80
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
65
36-Kr-80

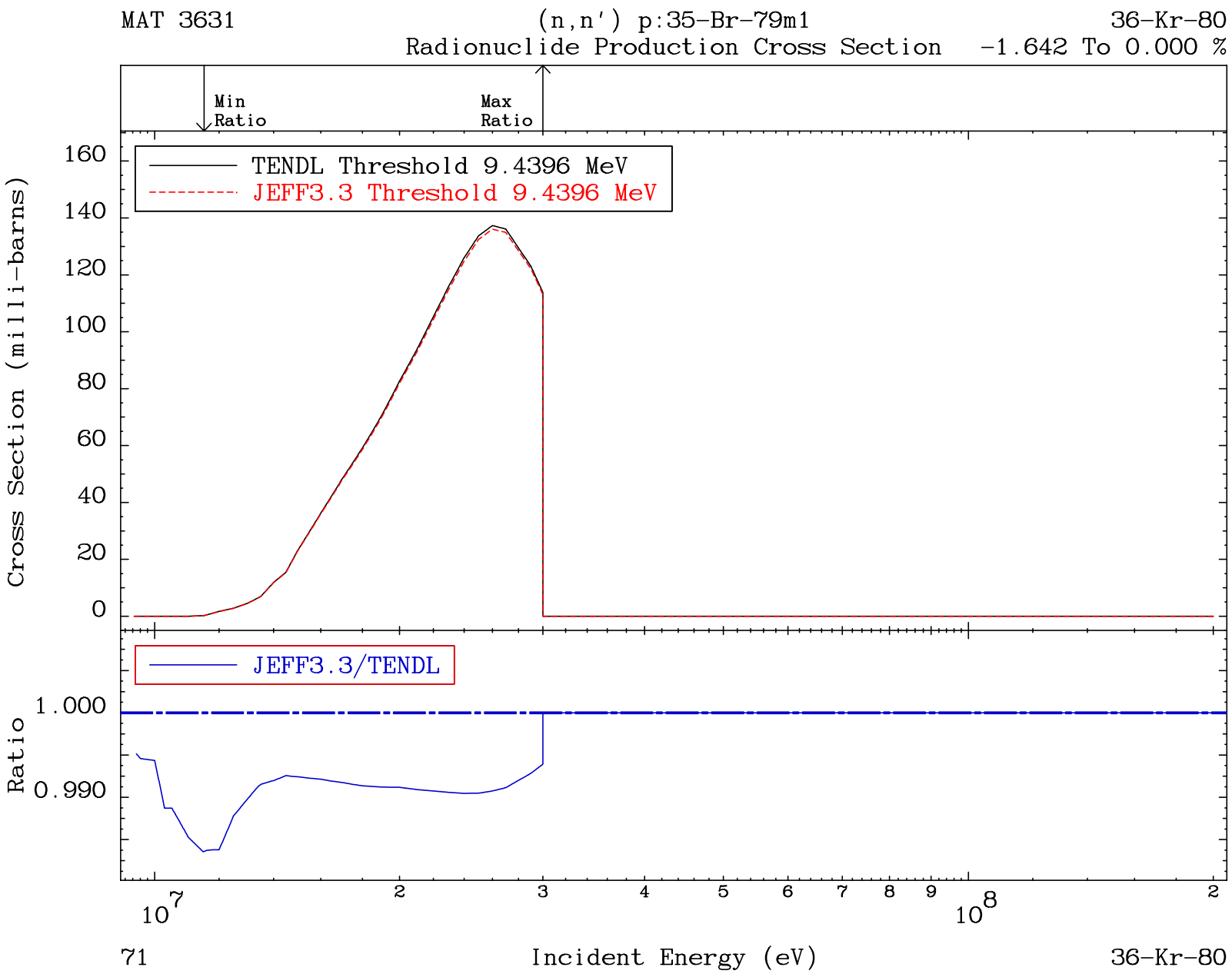

MAT 3631
(n,2n) d:35-Br-77g
36-Kr-80
Radionuclide Production Cross Section
-1.322 To 0.000 %
Max
Ratio
TENDL Threshold 26.192 MeV
JEFF3.3 Threshold 26.192 MeV
Cross Section (micro-barns)
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.00
0.99
40
60
80
100
120
140
160
180
200
66
Incident Energy (MeV)
36-Kr-80

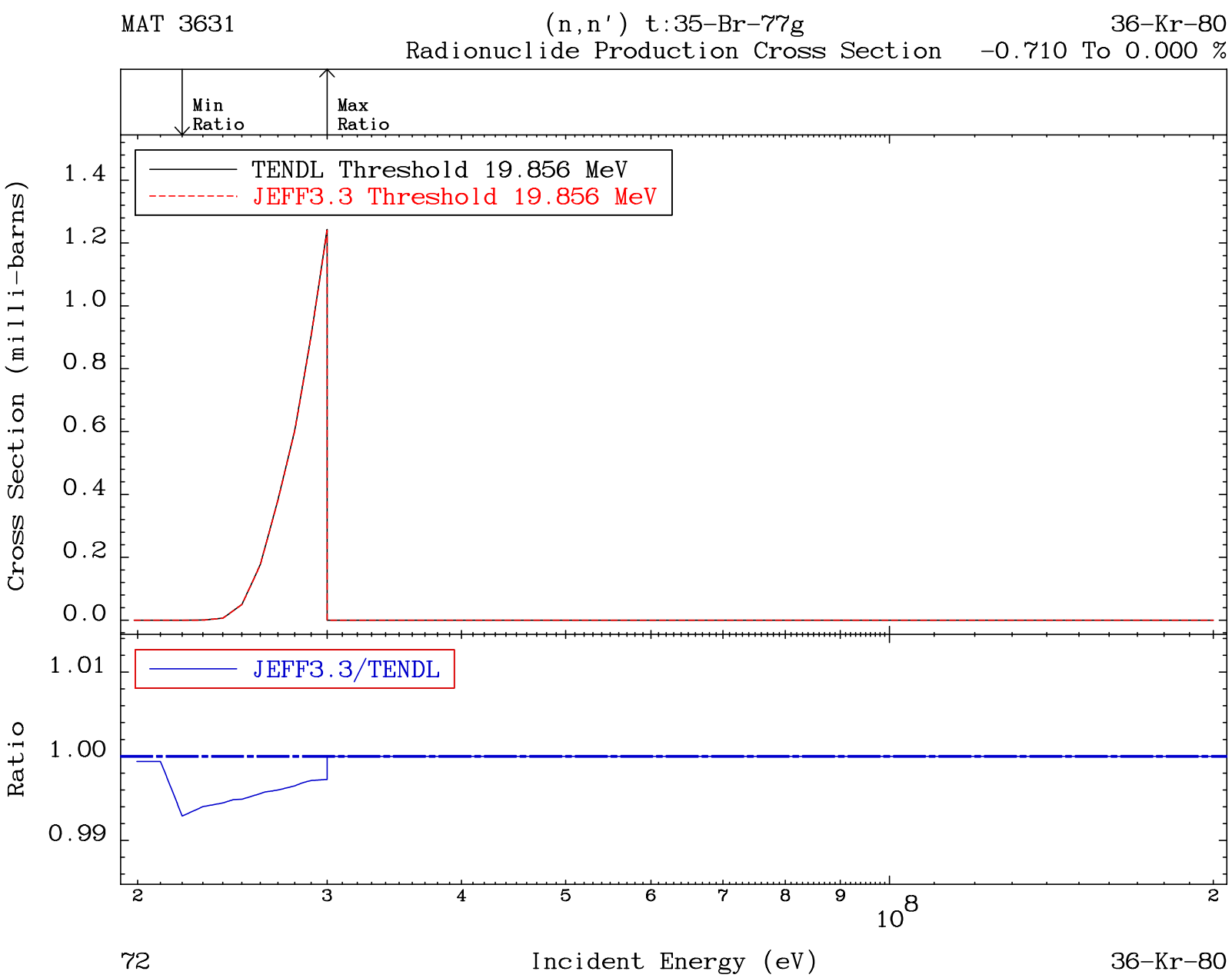

MAT 3631
(n,2n) d:35-Br-77m1
36-Kr-80
Radionuclide Production Cross Section
-1.493 To 0.000 %
Max
Ratio
TENDL Threshold 26.299 MeV
JEFF3.3 Threshold 26.299 MeV
Cross Section (micro-barns)
0
2
4
6
8
10
12
14
JEFF3.3/TENDL
Ratio
1.00
0.99
40
60
80
100
120
140
160
180
200
67
Incident Energy (MeV)
36-Kr-80

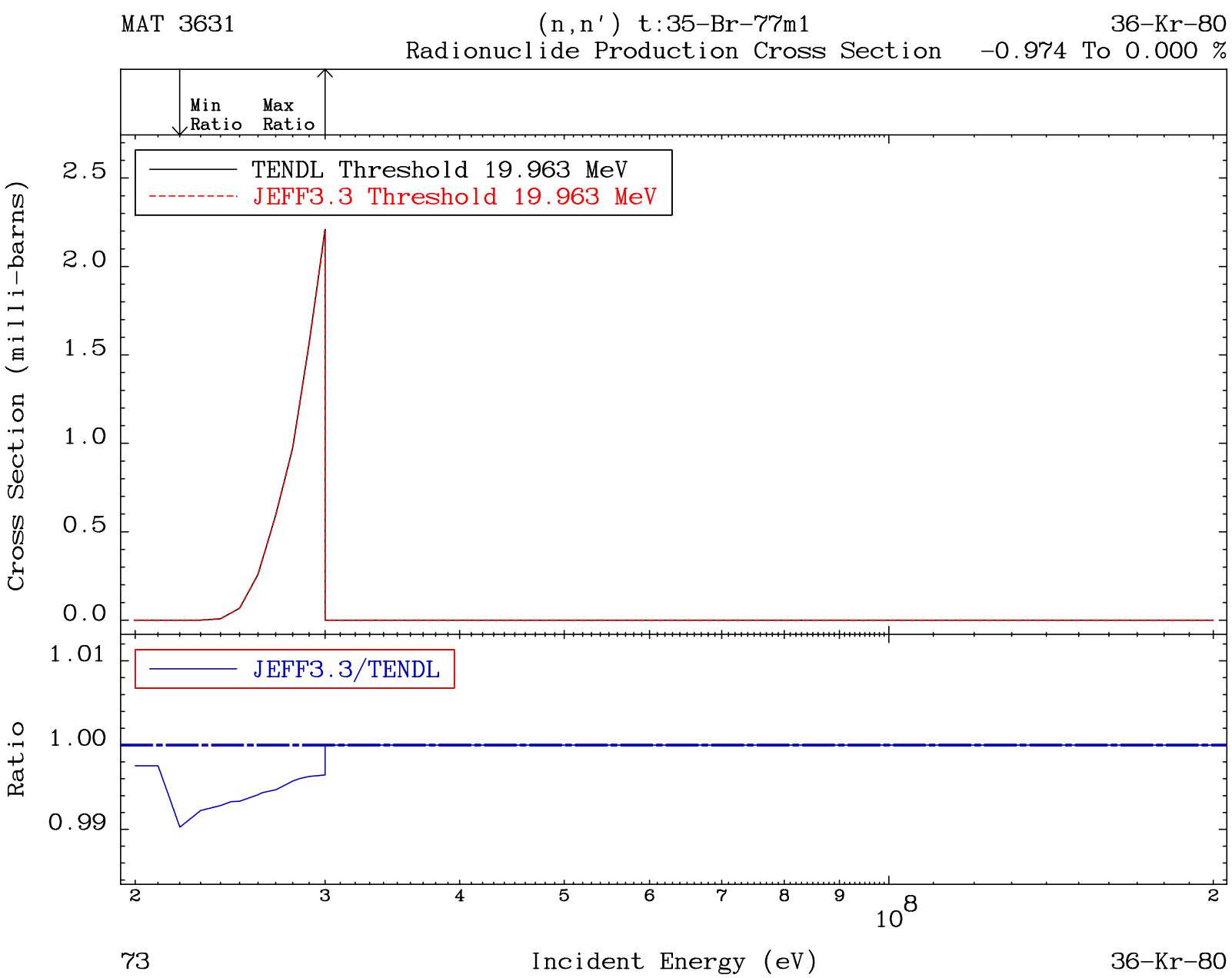

MAT 3631
(n,2n):36-Kr-79g
36-Kr-80
Radionuclide Production Cross Section
-1.002 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 11.668 MeV
JEFF3.3 Threshold 11.668 MeV
Cross Section (milli-barns)
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
68
Incident Energy (eV)
36-Kr-80

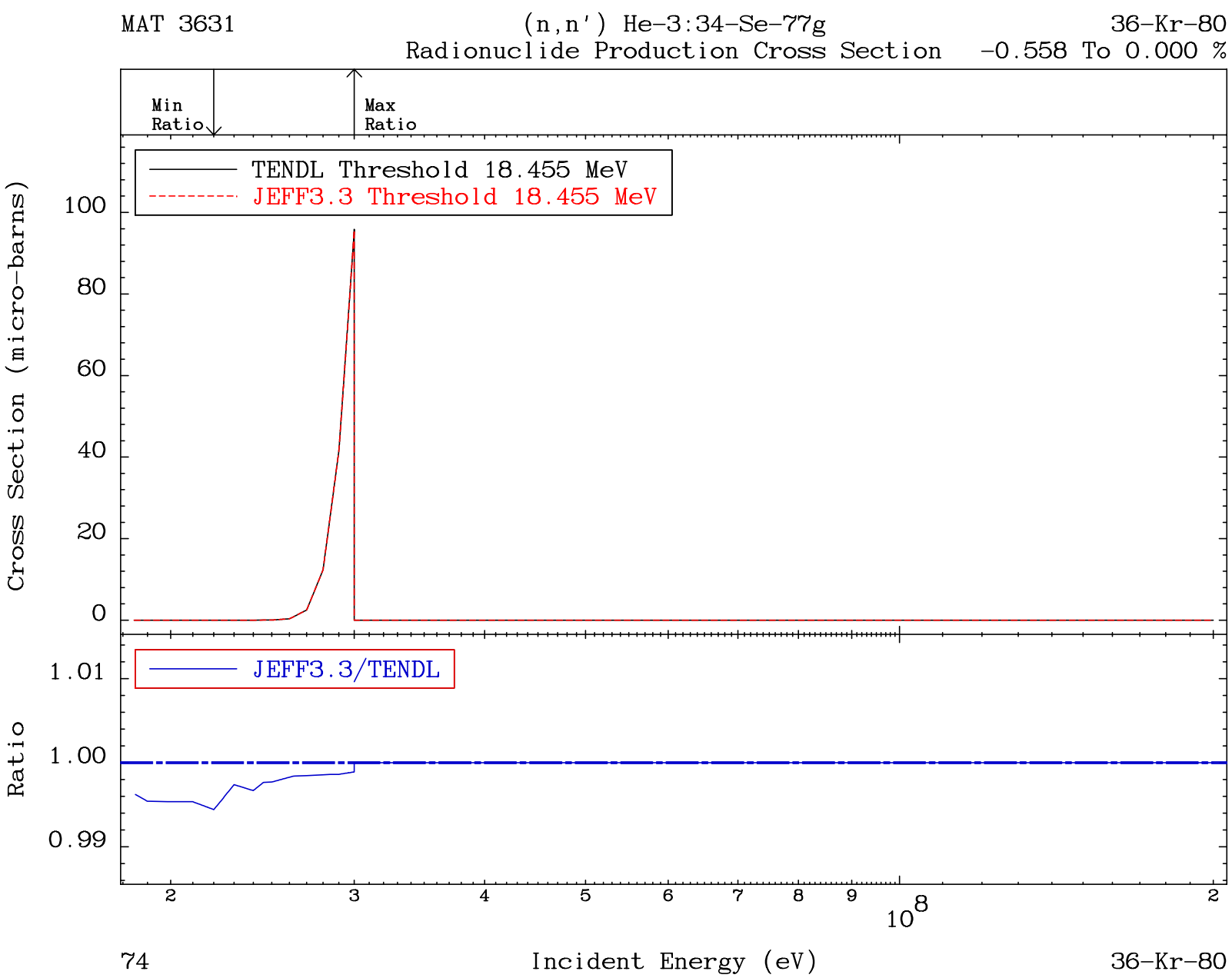

MAT 3631
(n,2n):36-Kr-79m1
36-Kr-80
Radionuclide Production Cross Section
-1.008 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 11.799 MeV
JEFF3.3 Threshold 11.799 MeV
Cross Section (milli-barns)
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
69
Incident Energy (eV)
36-Kr-80

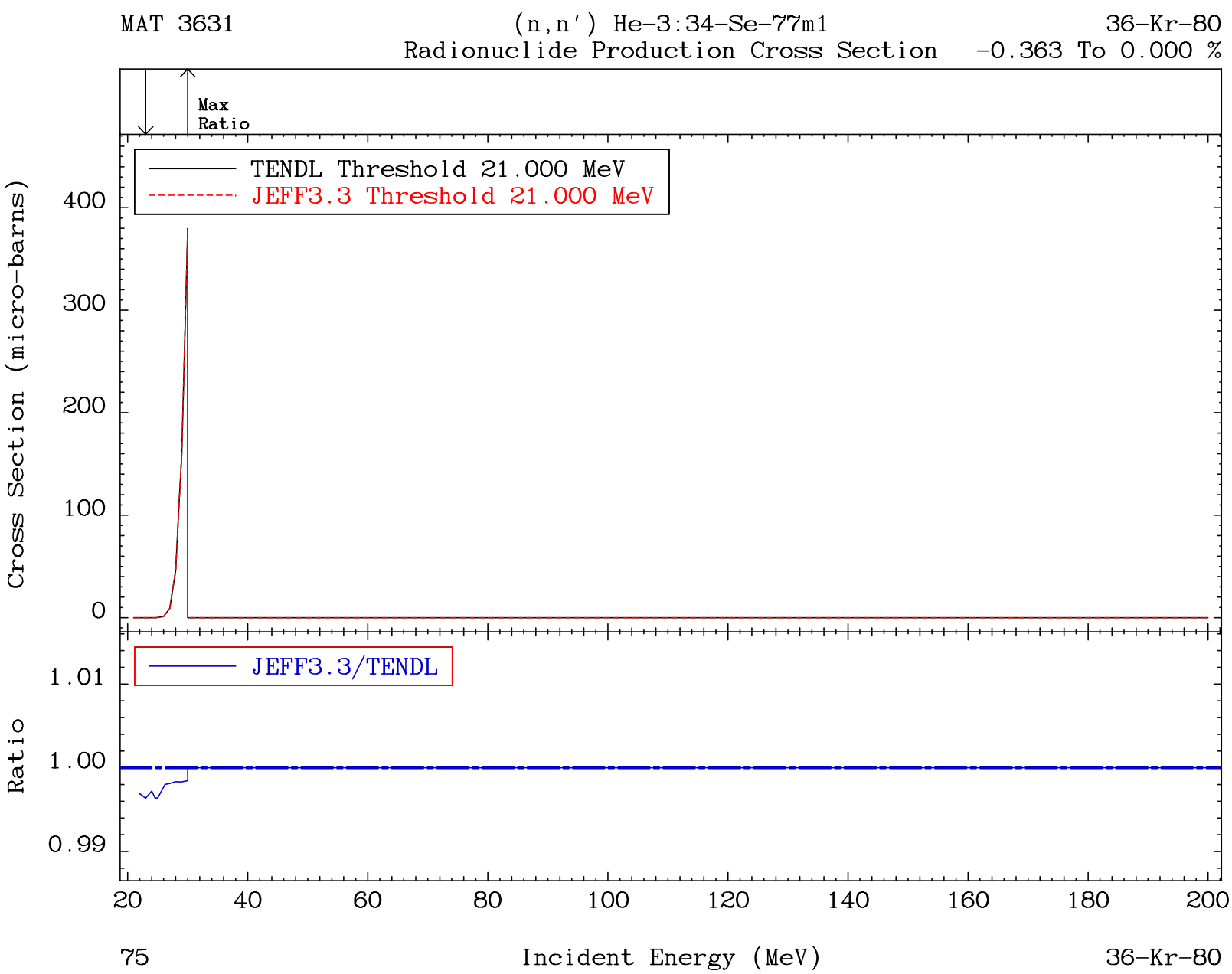

MAT 3631
(n,n') p:35-Br-79g
36-Kr-80
Radionuclide Production Cross Section -1.735 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 9.2293 MeV
JEFF3.3 Threshold 9.2293 MeV
Cross Section (milli-barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.00
0.99
0.98
9
10^7
2
3
4
5
6
7
8
9
10^8
2
70
Incident Energy (eV)
36-Kr-80

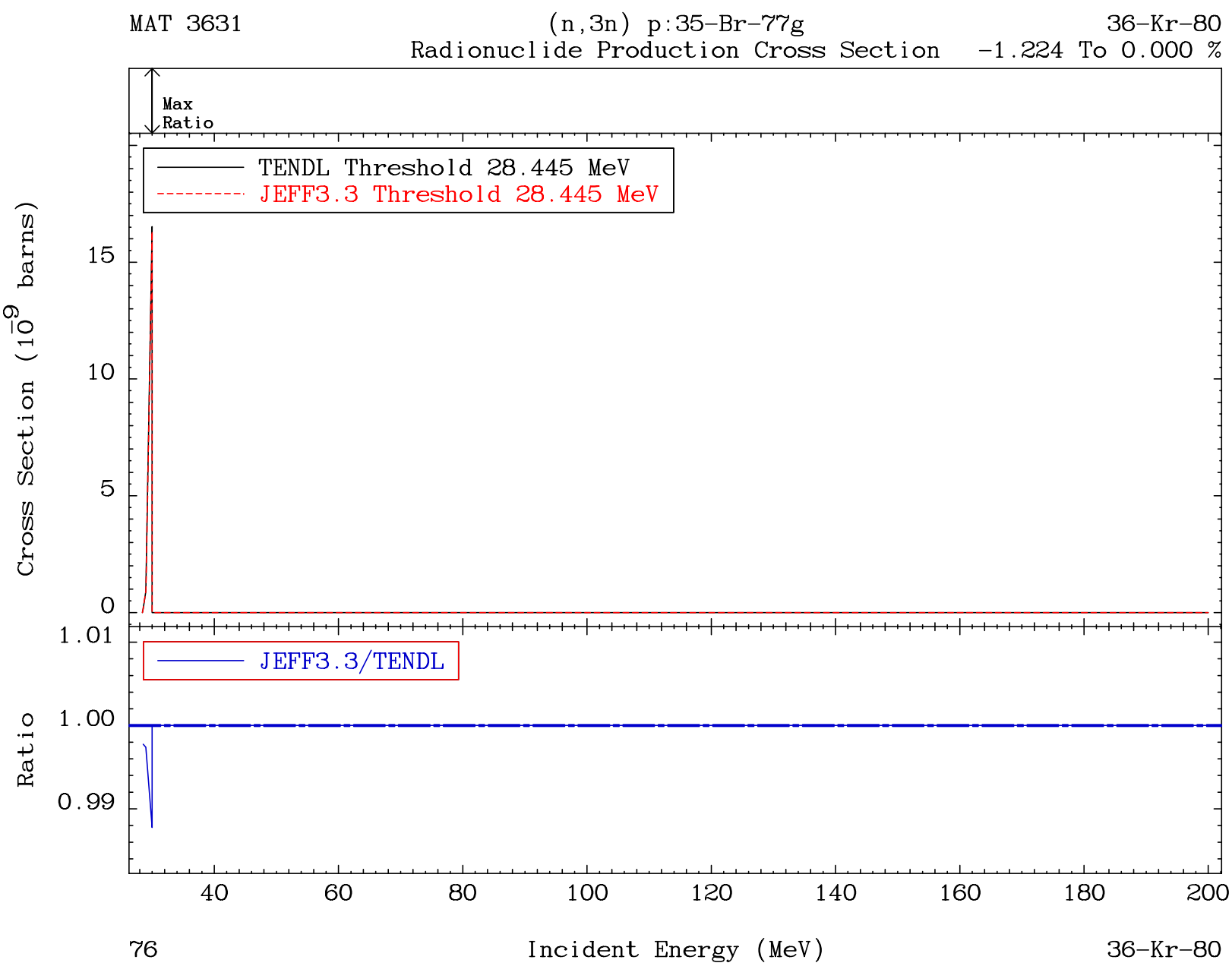

MAT 3631
(n,n') p:35-Br-79m1
36-Kr-80
Radionuclide Production Cross Section -1.642 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 9.4396 MeV
JEFF3.3 Threshold 9.4396 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.000
0.990
10^7
2
3
4
5
6
7
8
9
10^8
2
71
Incident Energy (eV)
36-Kr-80

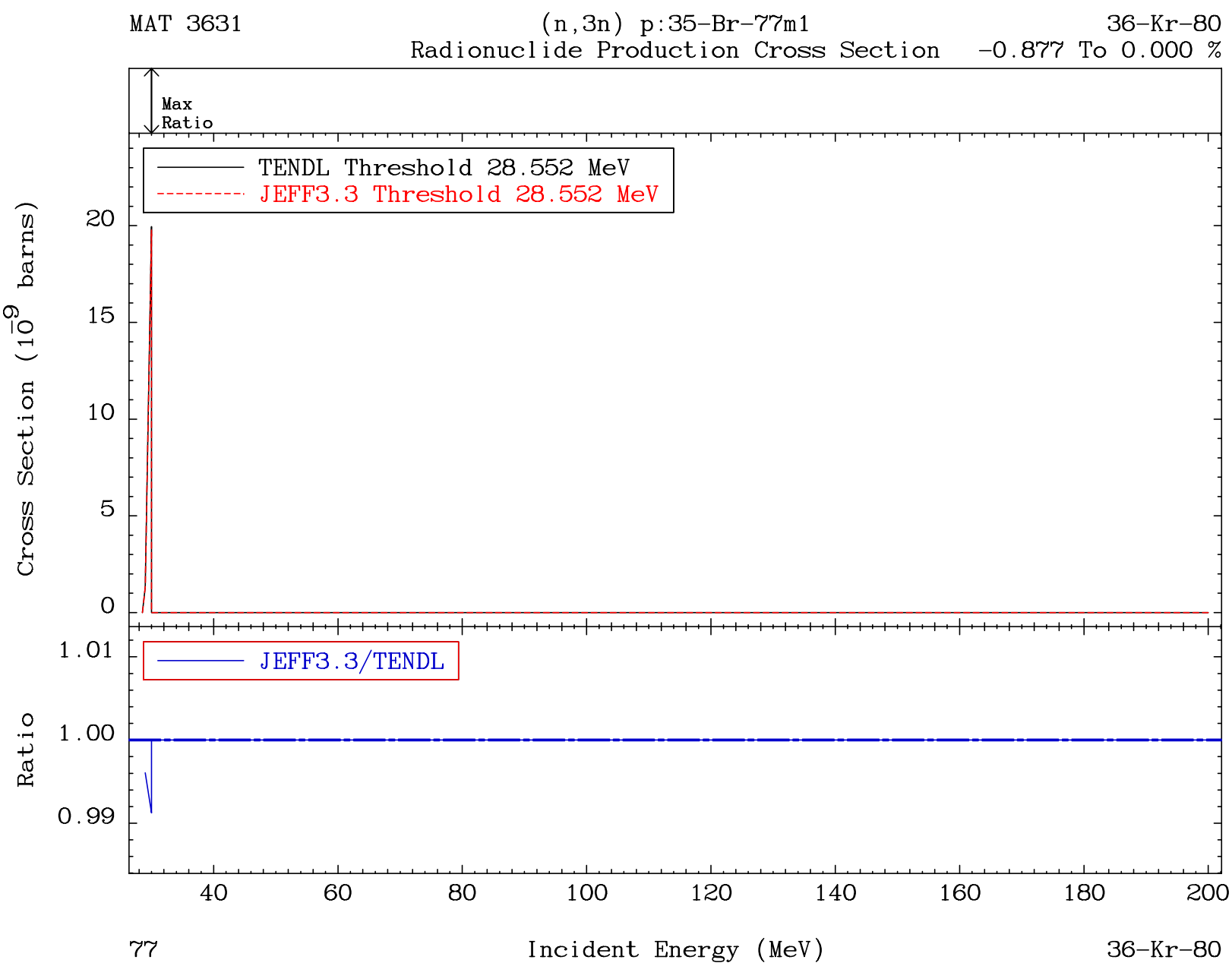

MAT 3631
(n,n') t:35-Br-77g
36-Kr-80
Radionuclide Production Cross Section
-0.710 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 19.856 MeV
JEFF3.3 Threshold 19.856 MeV
Cross Section (milli-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
72
Incident Energy (eV)
36-Kr-80

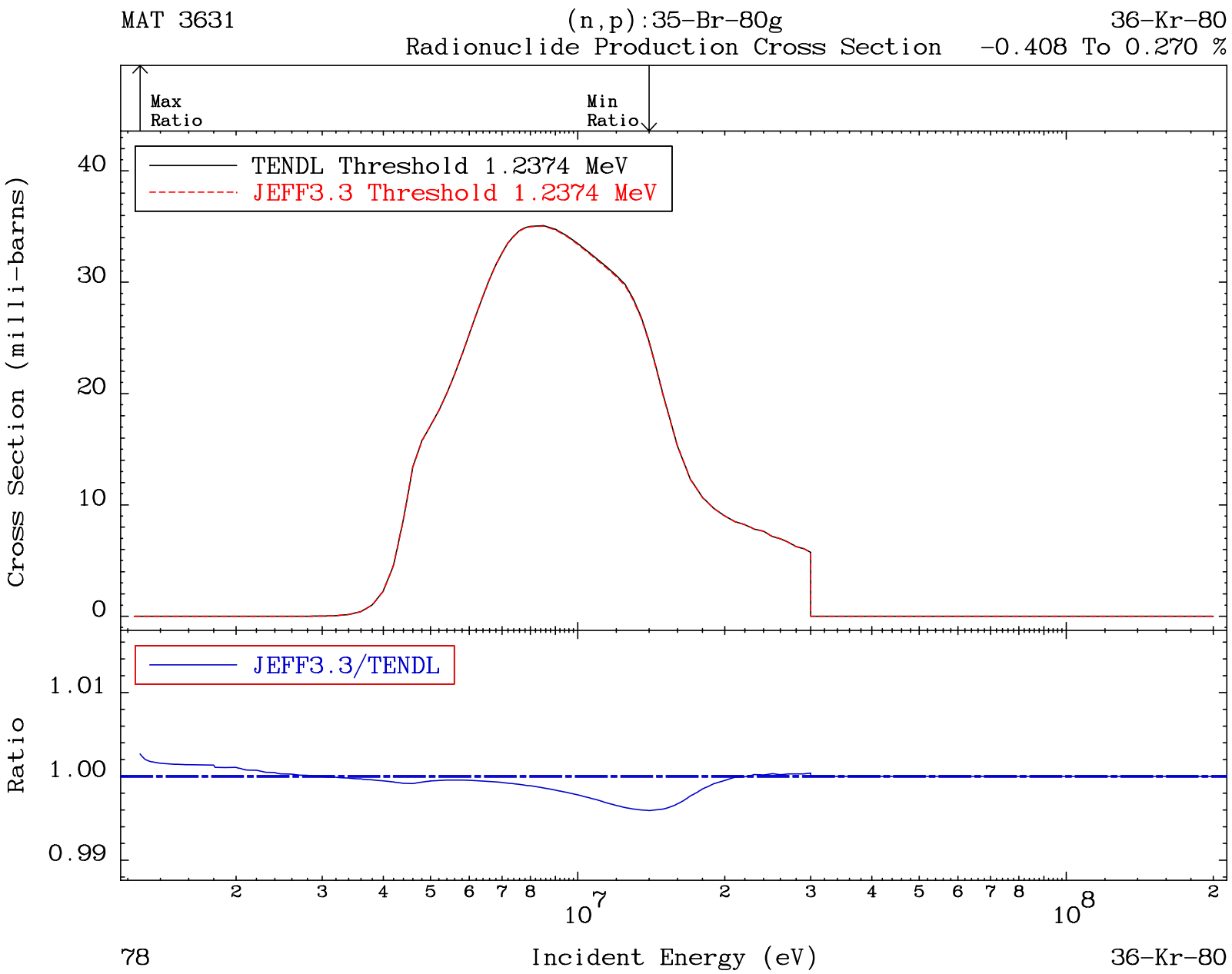

MAT 3631
(n,n') t:35-Br-77m1
36-Kr-80
Radionuclide Production Cross Section
-0.974 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 19.963 MeV
JEFF3.3 Threshold 19.963 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
73
Incident Energy (eV)
36-Kr-80

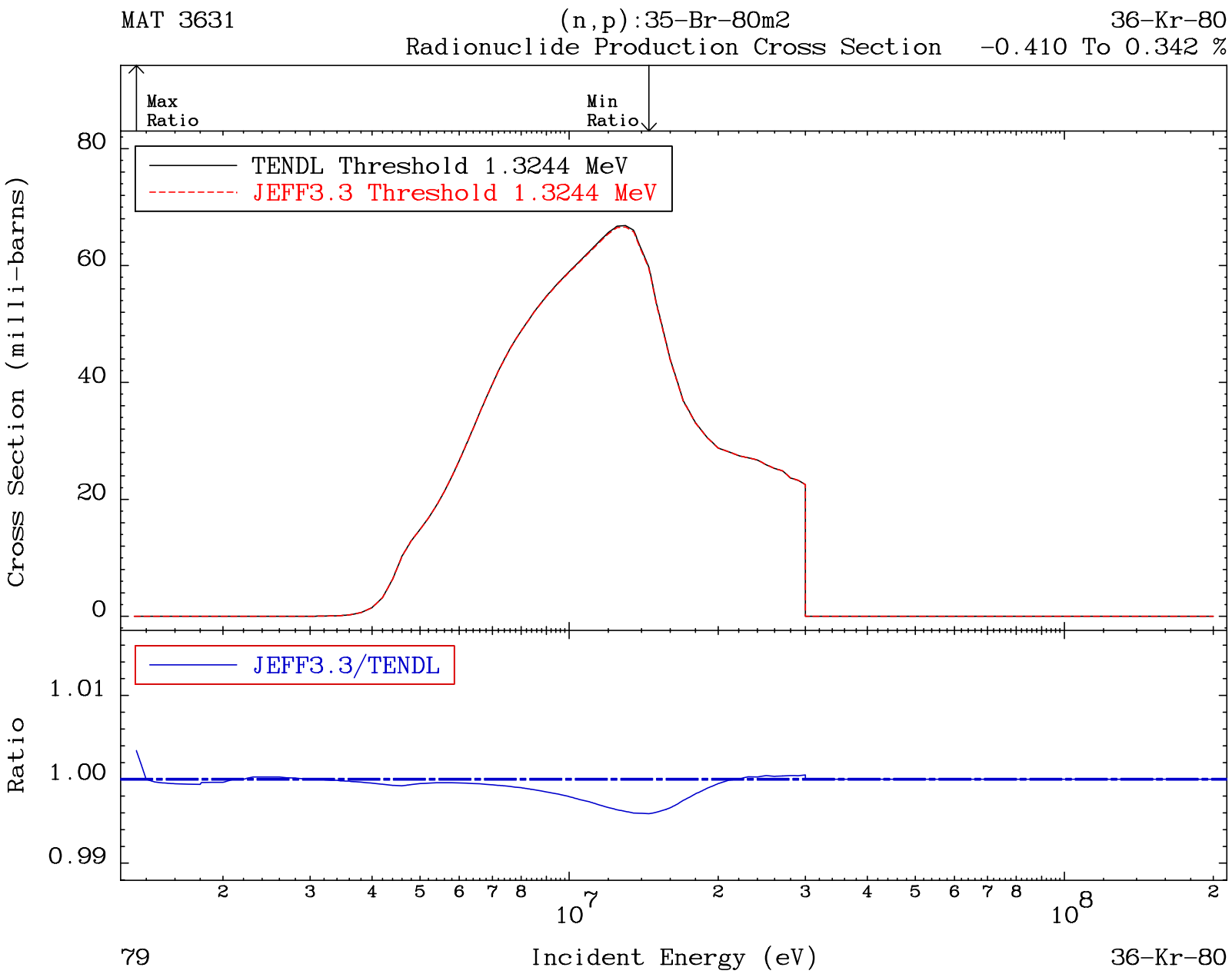

MAT 3631
(n,n') He-3:34-Se-77g
36-Kr-80
Radionuclide Production Cross Section
-0.558 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 18.455 MeV
JEFF3.3 Threshold 18.455 MeV
Cross Section (micro-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
74
Incident Energy (eV)
36-Kr-80

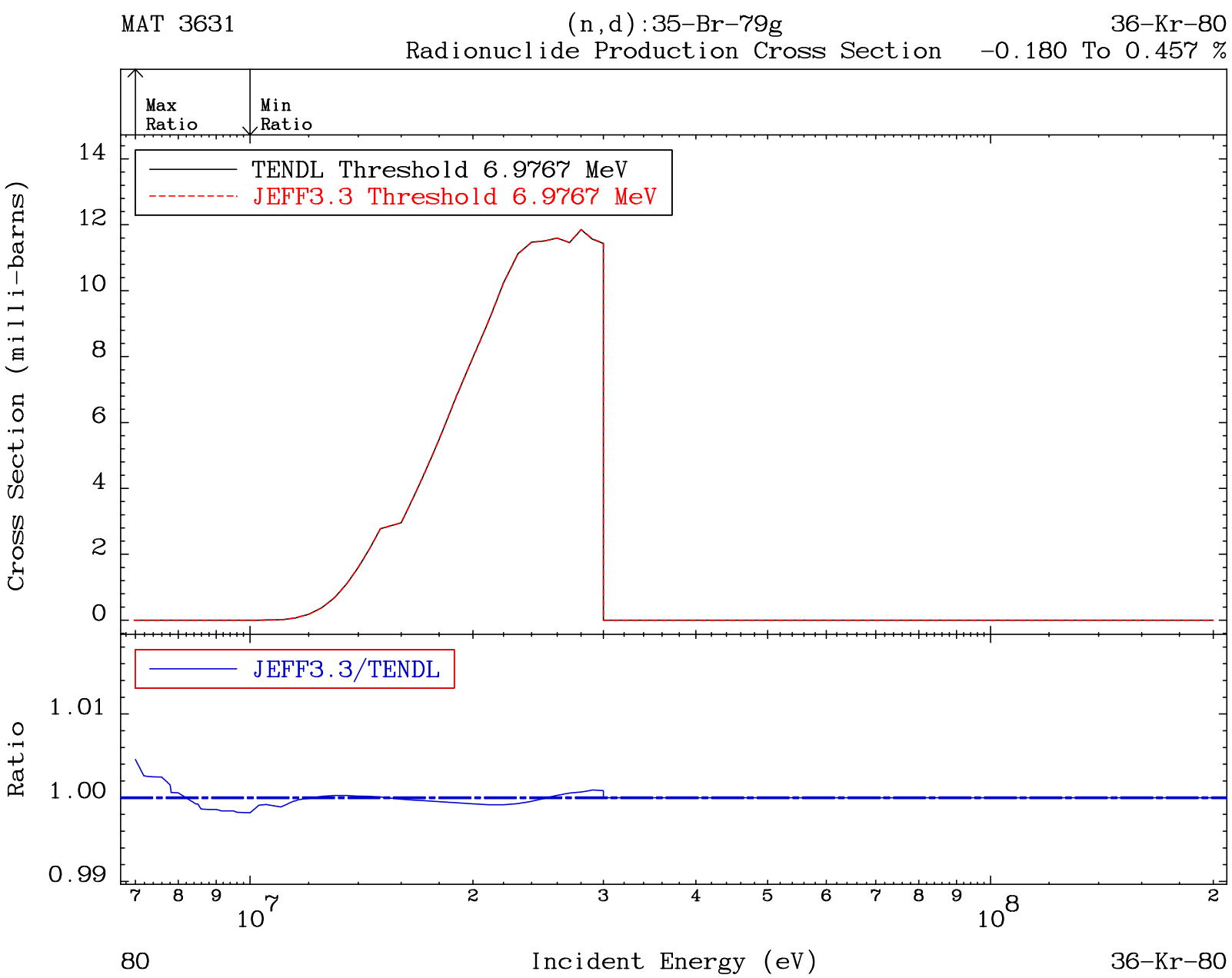

MAT 3631
(n,n') He-3:34-Se-77m1
36-Kr-80
Radionuclide Production Cross Section
-0.363 To 0.000 %
Max
Ratio
TENDL Threshold 21.000 MeV
JEFF3.3 Threshold 21.000 MeV
Cross Section (micro-barns)
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
20
40
60
80
100
120
140
160
180
200
75
Incident Energy (MeV)
36-Kr-80

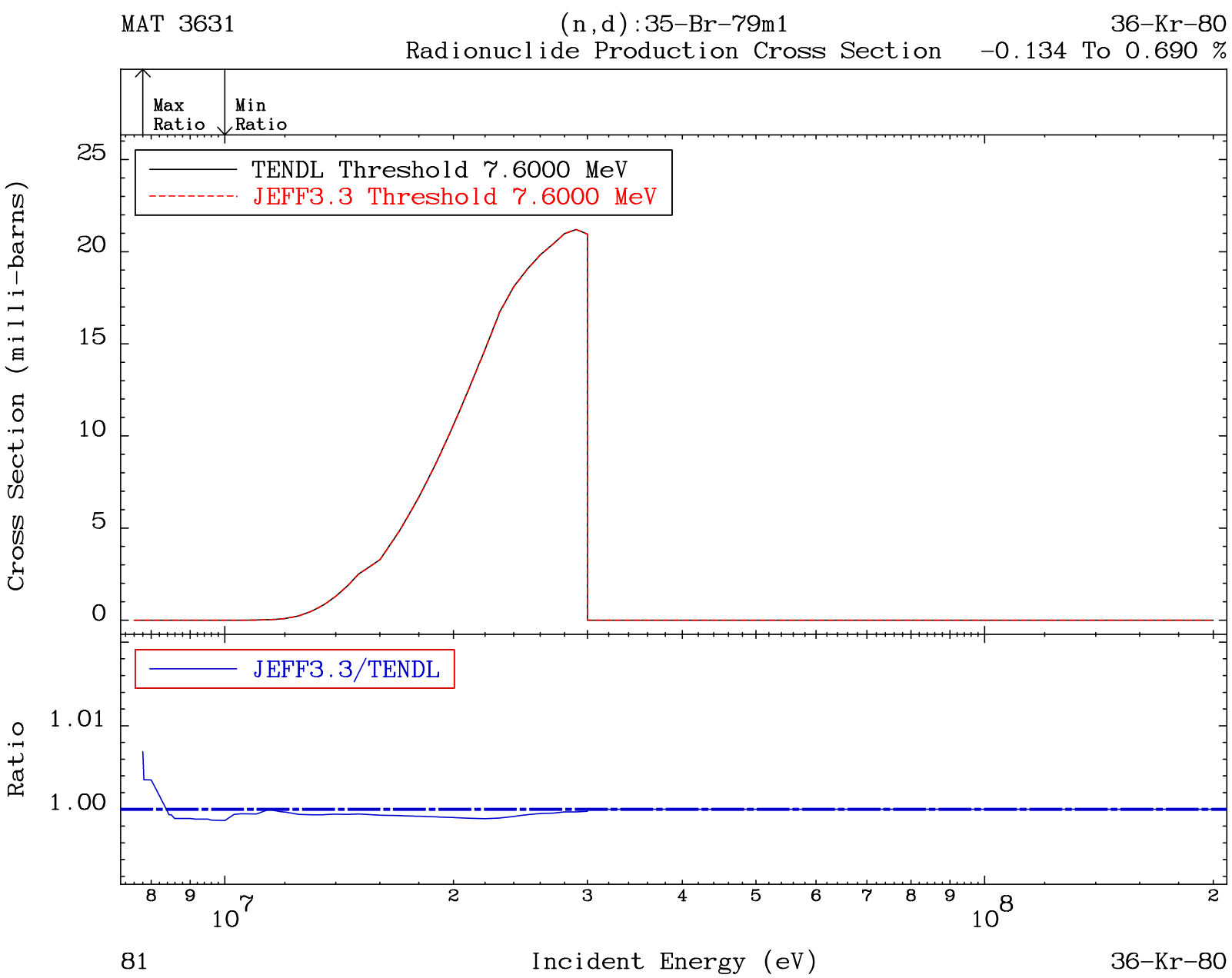

MAT 3631
(n,3n) p:35-Br-77g
36-Kr-80
Radionuclide Production Cross Section -1.224 To 0.000 %
Max Ratio
TENDL Threshold 28.445 MeV
JEFF3.3 Threshold 28.445 MeV
Cross Section (10^{-9} barns)
15
10
5
0
1.01
1.00
0.99
Ratio
JEFF3.3/TENDL
40
60
80
100
120
140
160
180
200
76
Incident Energy (MeV)
36-Kr-80

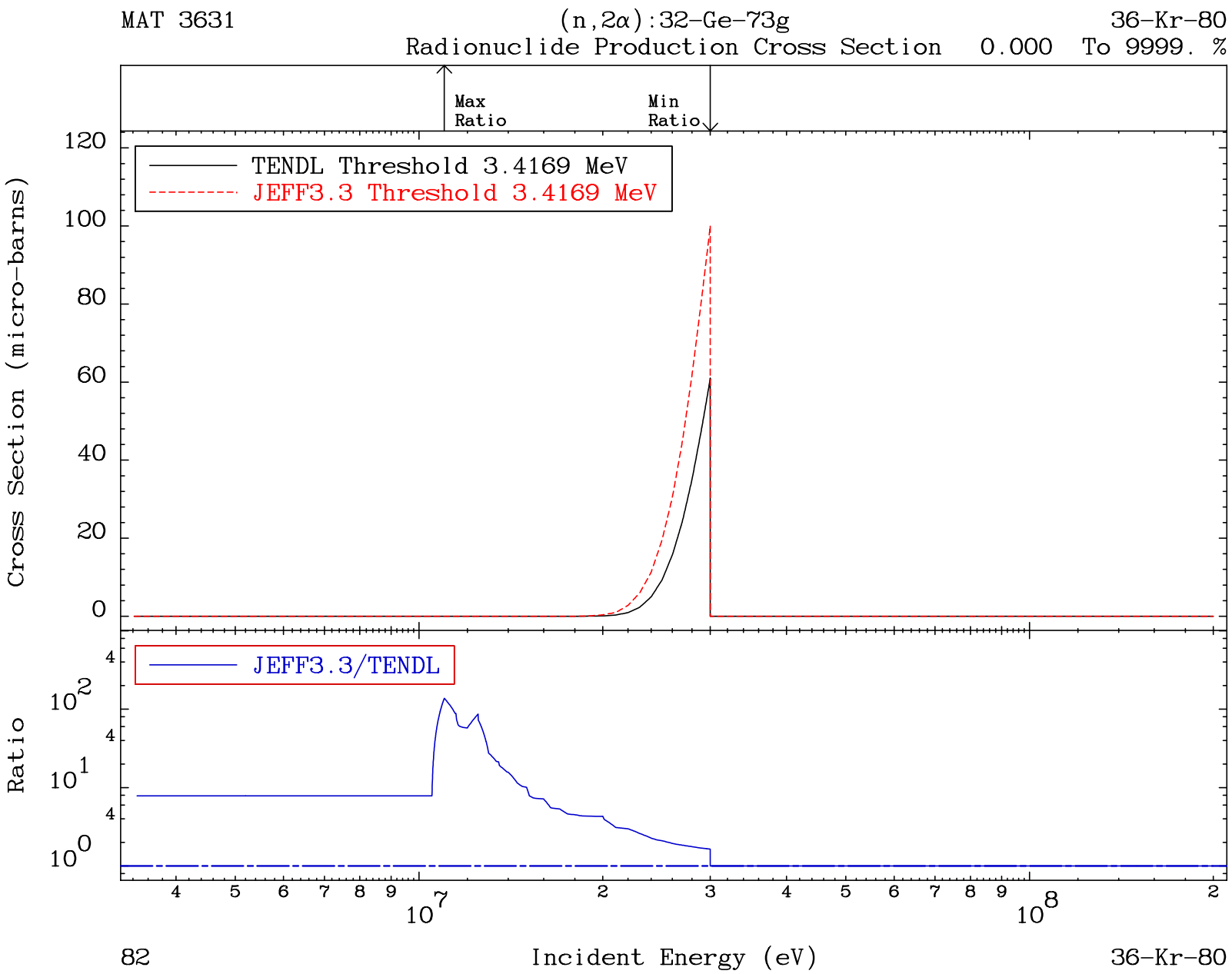

MAT 3631
(n,3n) p:35-Br-77m1
36-Kr-80
Radionuclide Production Cross Section
-0.877 To 0.000 %
Max Ratio
TENDL Threshold 28.552 MeV
JEFF3.3 Threshold 28.552 MeV
Cross Section (10^{-9} barns)
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
40
60
80
100
120
140
160
180
200
77
Incident Energy (MeV)
36-Kr-80

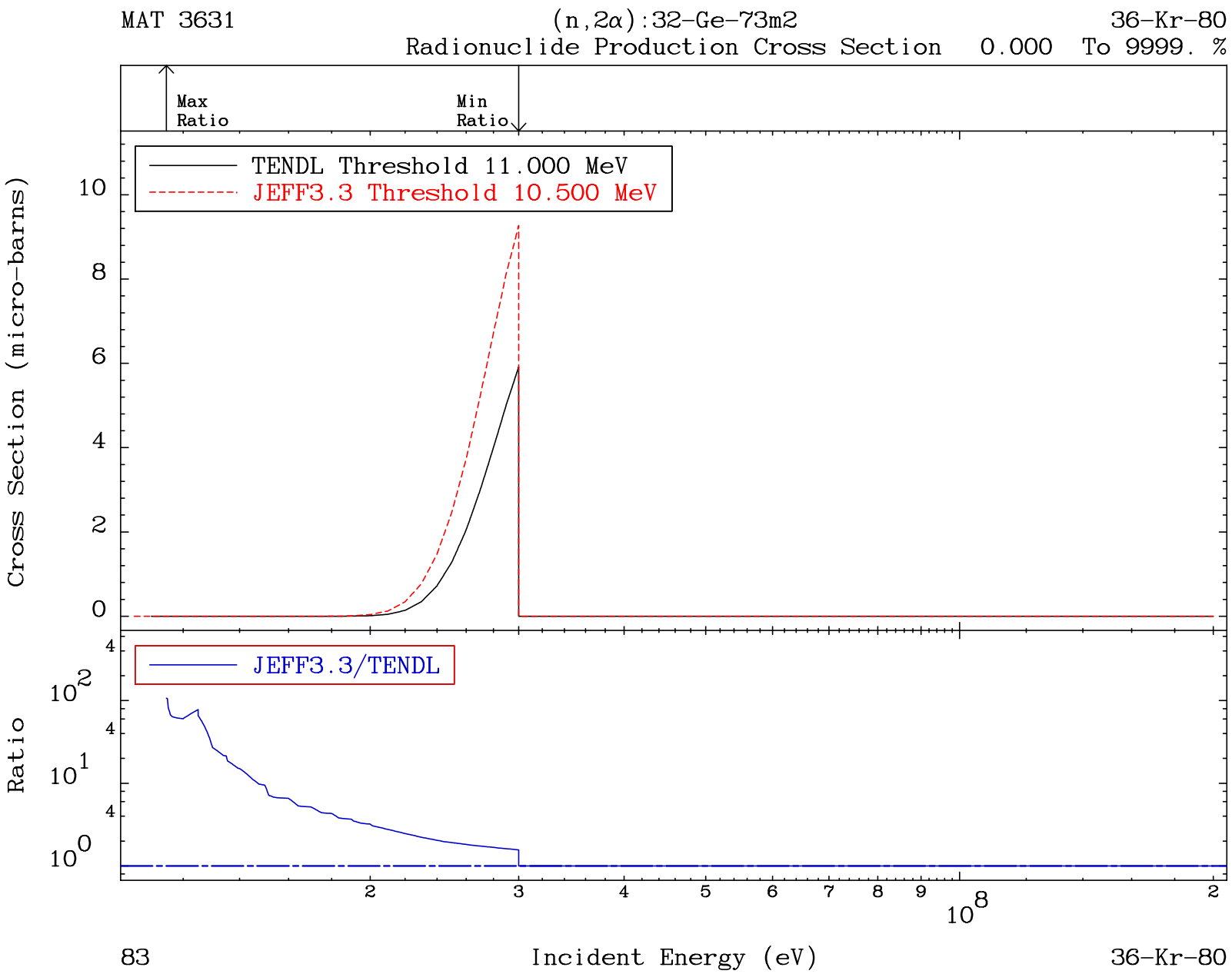

MAT 3631
(n,p):35-Br-80g
36-Kr-80
Radionuclide Production Cross Section
-0.408 To 0.270 %
Max Ratio
Min Ratio
TENDL Threshold 1.2374 MeV
JEFF3.3 Threshold 1.2374 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
78
Incident Energy (eV)
36-Kr-80

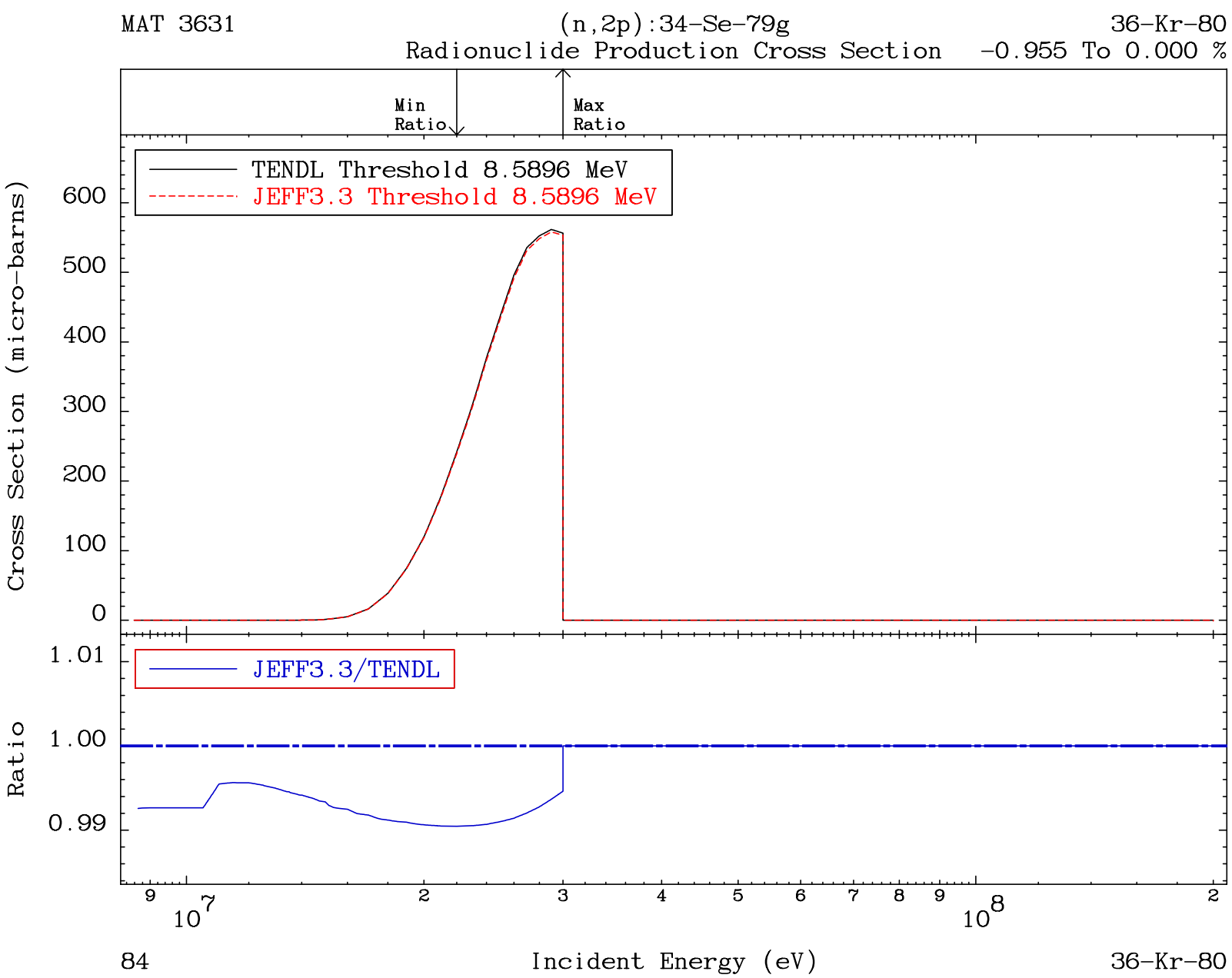

MAT 3631
(n,p):35-Br-80m2
36-Kr-80
Radionuclide Production Cross Section -0.410 To 0.342 %
Max Ratio
Min Ratio
TENDL Threshold 1.3244 MeV
JEFF3.3 Threshold 1.3244 MeV
Cross Section (milli-barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
79
Incident Energy (eV)
36-Kr-80

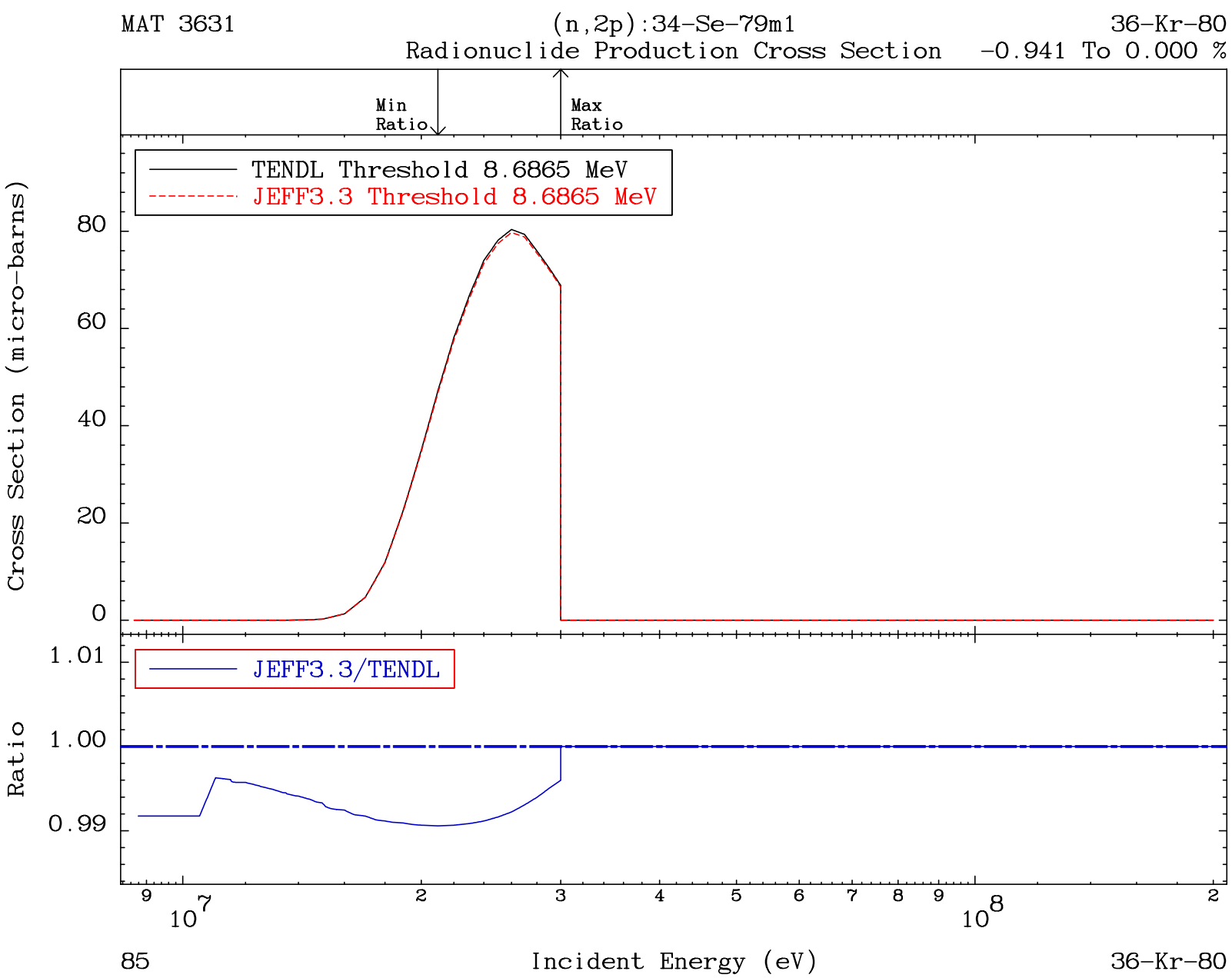

MAT 3631
(n,d):35-Br-79g
36-Kr-80
Radionuclide Production Cross Section
-0.180 To 0.457 %
Max Ratio
Min Ratio
TENDL Threshold 6.9767 MeV
JEFF3.3 Threshold 6.9767 MeV
Cross Section (milli-barns)
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
80
Incident Energy (eV)
36-Kr-80

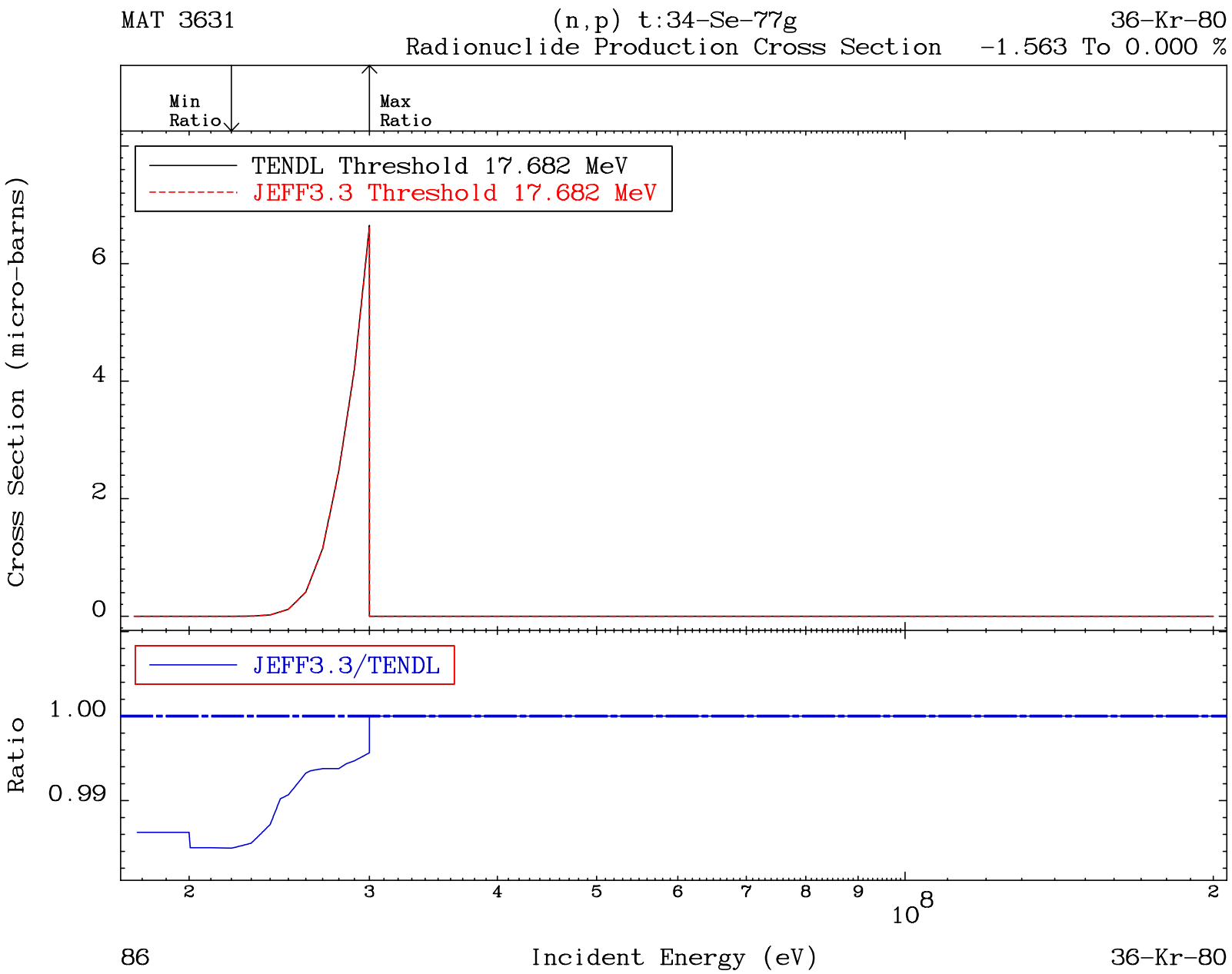

MAT 3631
(n,d):35-Br-79m1
36-Kr-80
Radionuclide Production Cross Section -0.134 To 0.690 %
Max Ratio
Min Ratio
TENDL Threshold 7.6000 MeV
JEFF3.3 Threshold 7.6000 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
81
Incident Energy (eV)
36-Kr-80

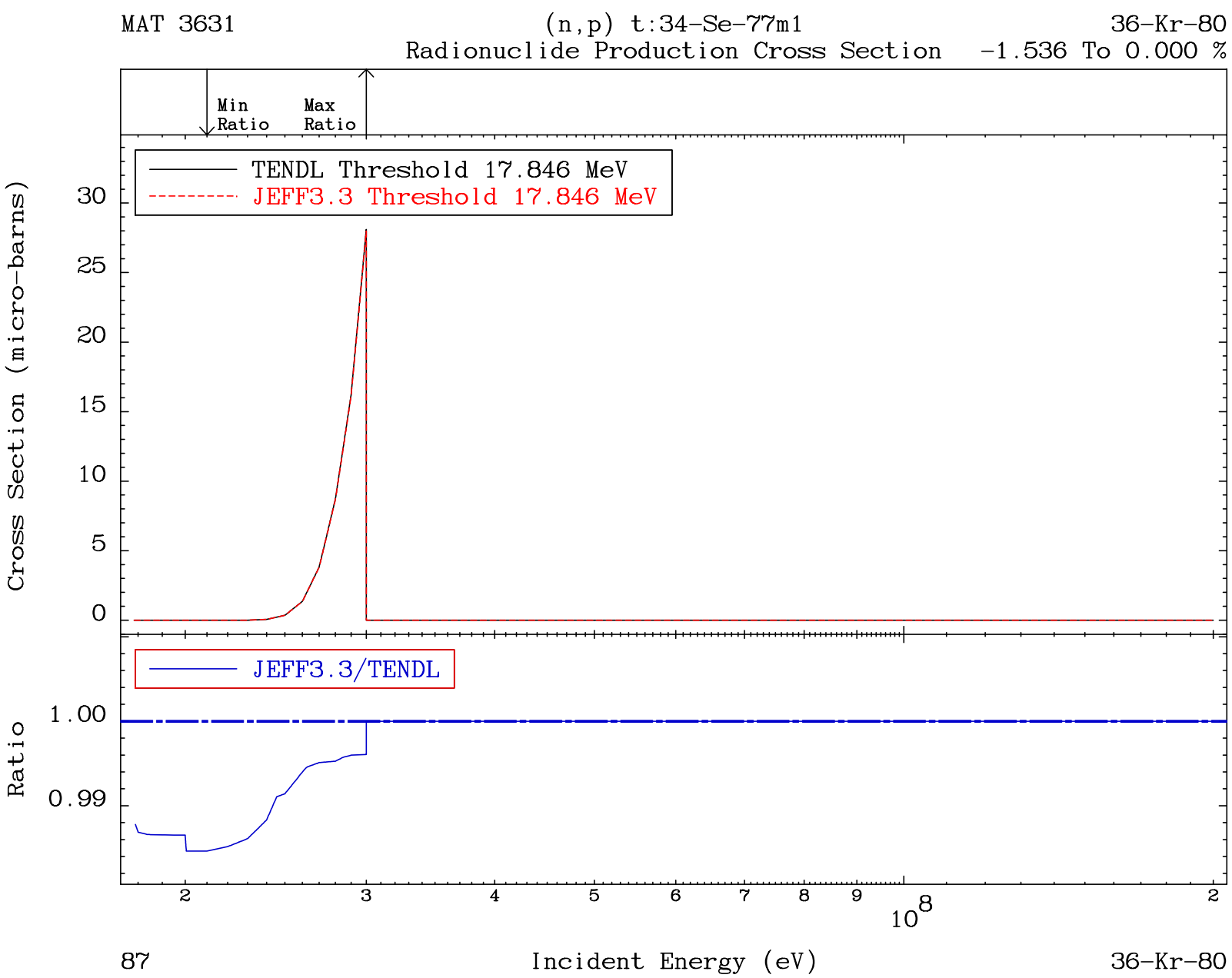

MAT 3631
(n,2α):32-Ge-73g
36-Kr-80
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.4169 MeV
JEFF3.3 Threshold 3.4169 MeV
Cross Section (micro-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
4
10^2
4
10^1
4
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
82
Incident 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)
83
36-Kr-80


MAT 3631
(n,2p):34-Se-79g
36-Kr-80
Radionuclide Production Cross Section
-0.955 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 8.5896 MeV
JEFF3.3 Threshold 8.5896 MeV
Cross Section (micro-barns)
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
9
10^7
2
3
4
5
6
7
8
9
10^8
2
84
Incident Energy (eV)
36-Kr-80


MAT 3631
(n,2p):34-Se-79m1
36-Kr-80
Radionuclide Production Cross Section -0.941 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 8.6865 MeV
JEFF3.3 Threshold 8.6865 MeV
Cross Section (micro-barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
9
10^7
2
3
4
5
6
7
8
9
10^8
2
85
Incident Energy (eV)
36-Kr-80


MAT 3631
(n,p) t:34-Se-77g
36-Kr-80
Radionuclide Production Cross Section
-1.563 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 17.682 MeV
JEFF3.3 Threshold 17.682 MeV
Cross Section (micro-barns)
0
2
4
6
JEFF3.3/TENDL
Ratio
0.99
1.00
2
3
4
5
6
7
8
9
10^8
2
86
Incident Energy (eV)
36-Kr-80


MAT 3631
(n,p) t:34-Se-77m1
36-Kr-80
Radionuclide Production Cross Section
-1.536 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 17.846 MeV
JEFF3.3 Threshold 17.846 MeV
Cross Section (micro-barns)
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
87
Incident Energy (eV)
36-Kr-80