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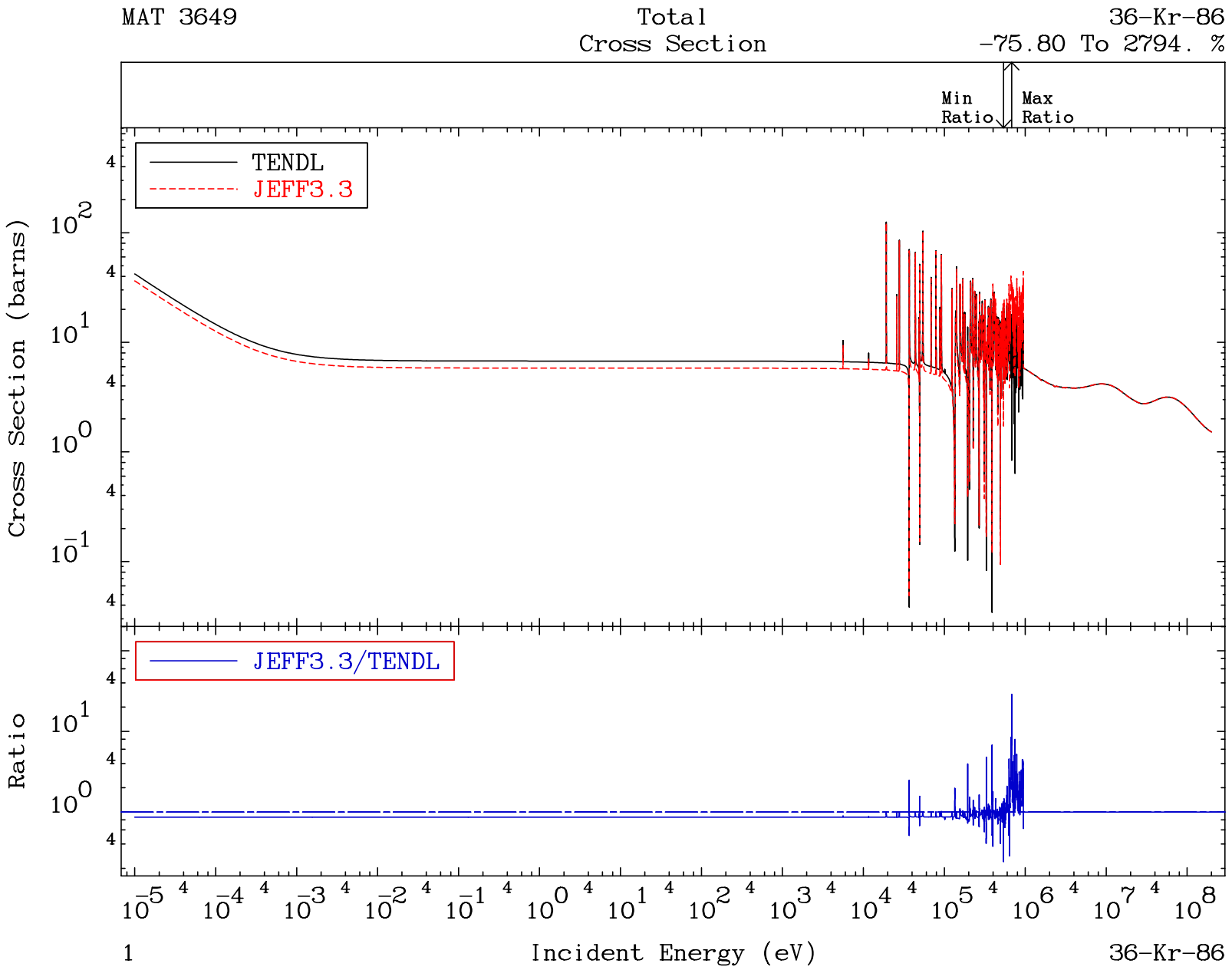
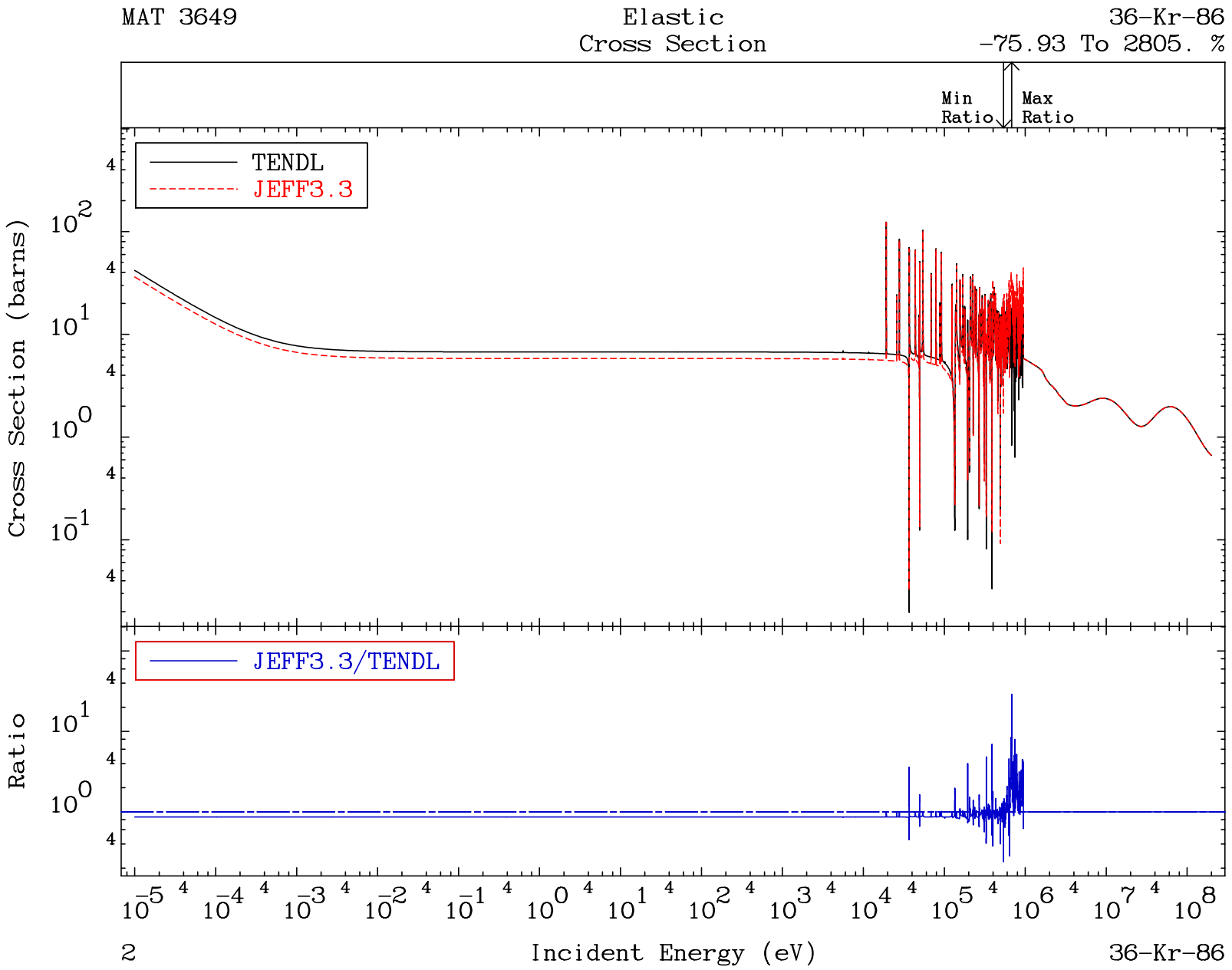
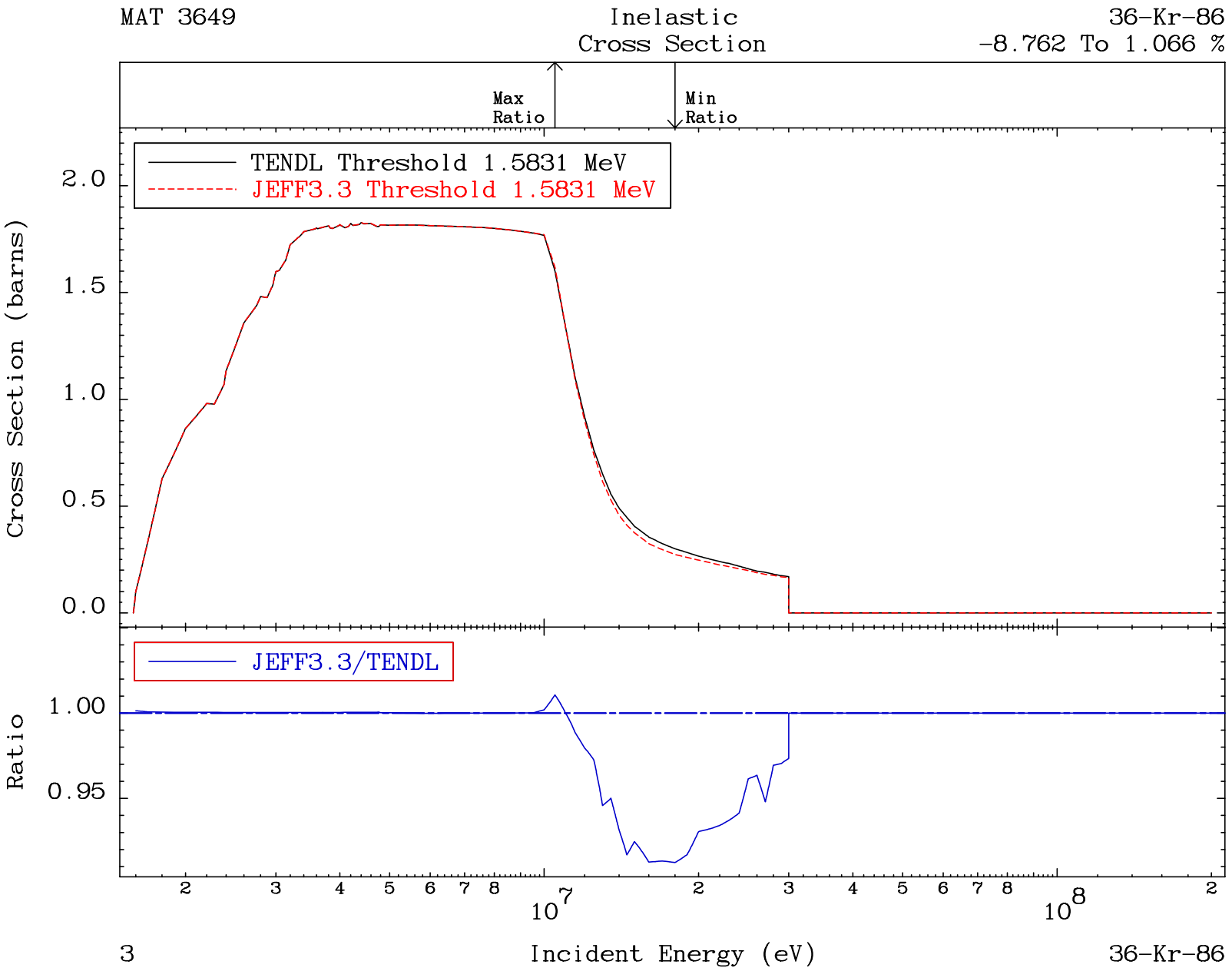
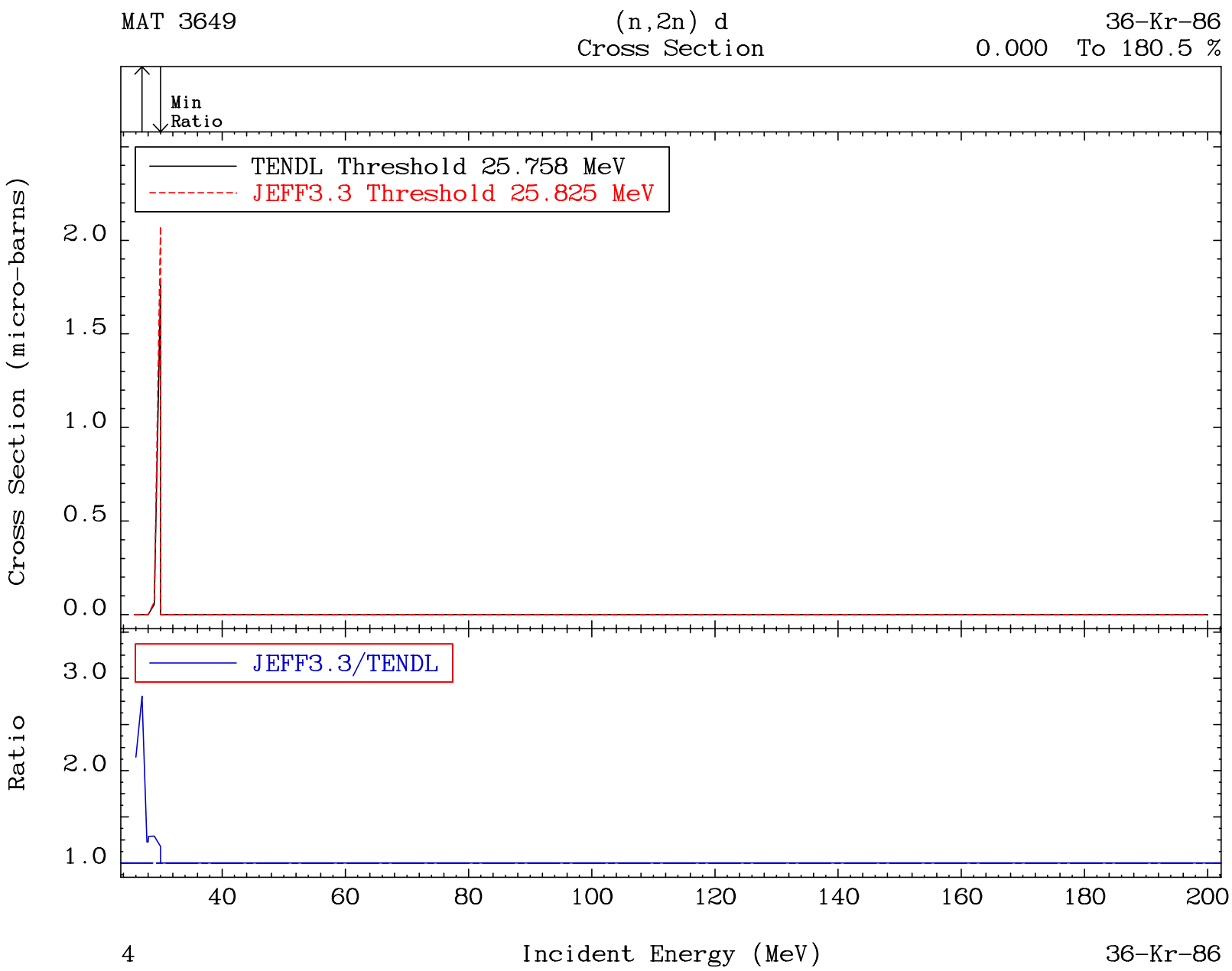
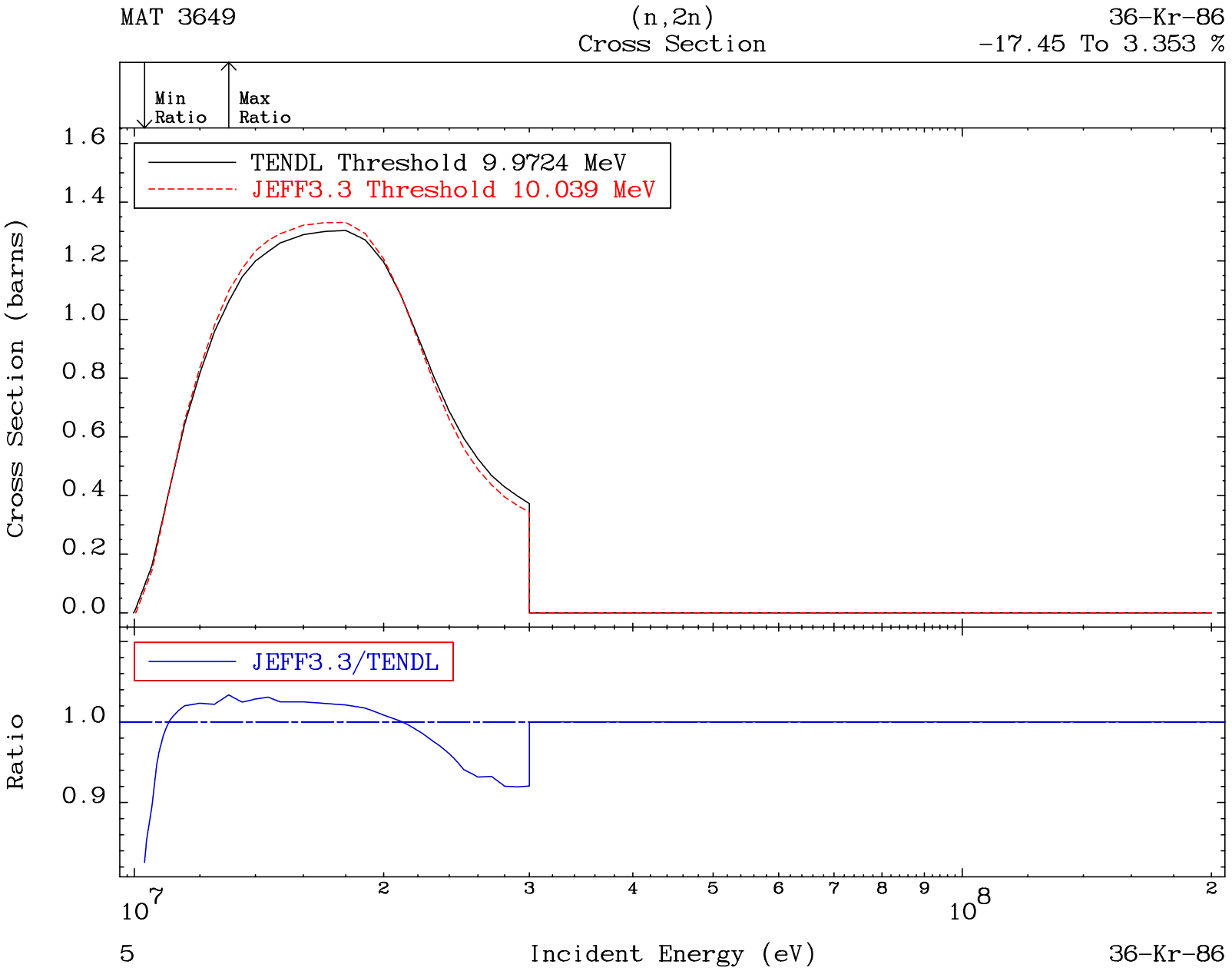
Press Mouse Button to Start

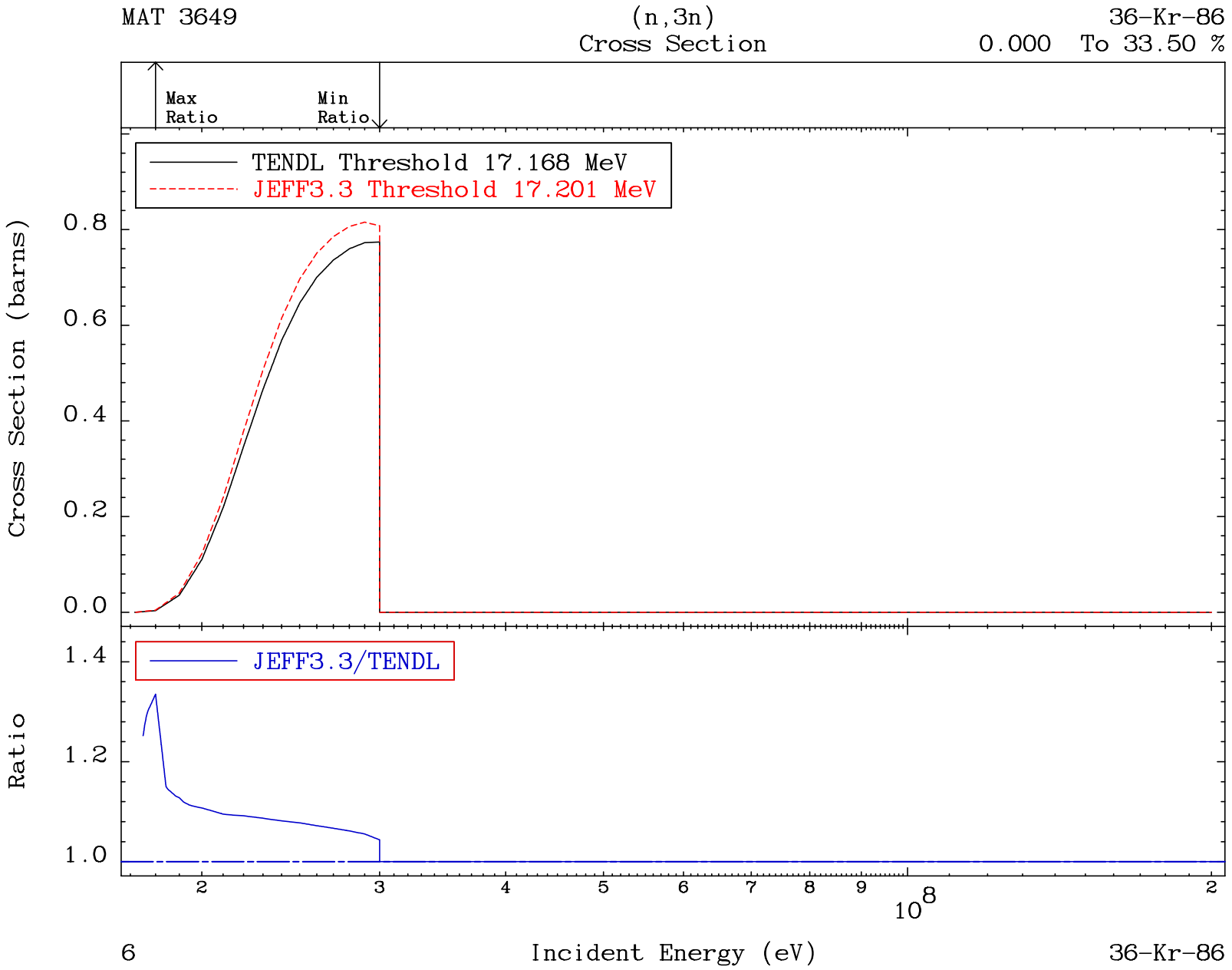

MAT 3649
Total
Cross Section
36-Kr-86
-75.80 To 2794. %
Min
Ratio
Max
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
1
36-Kr-86

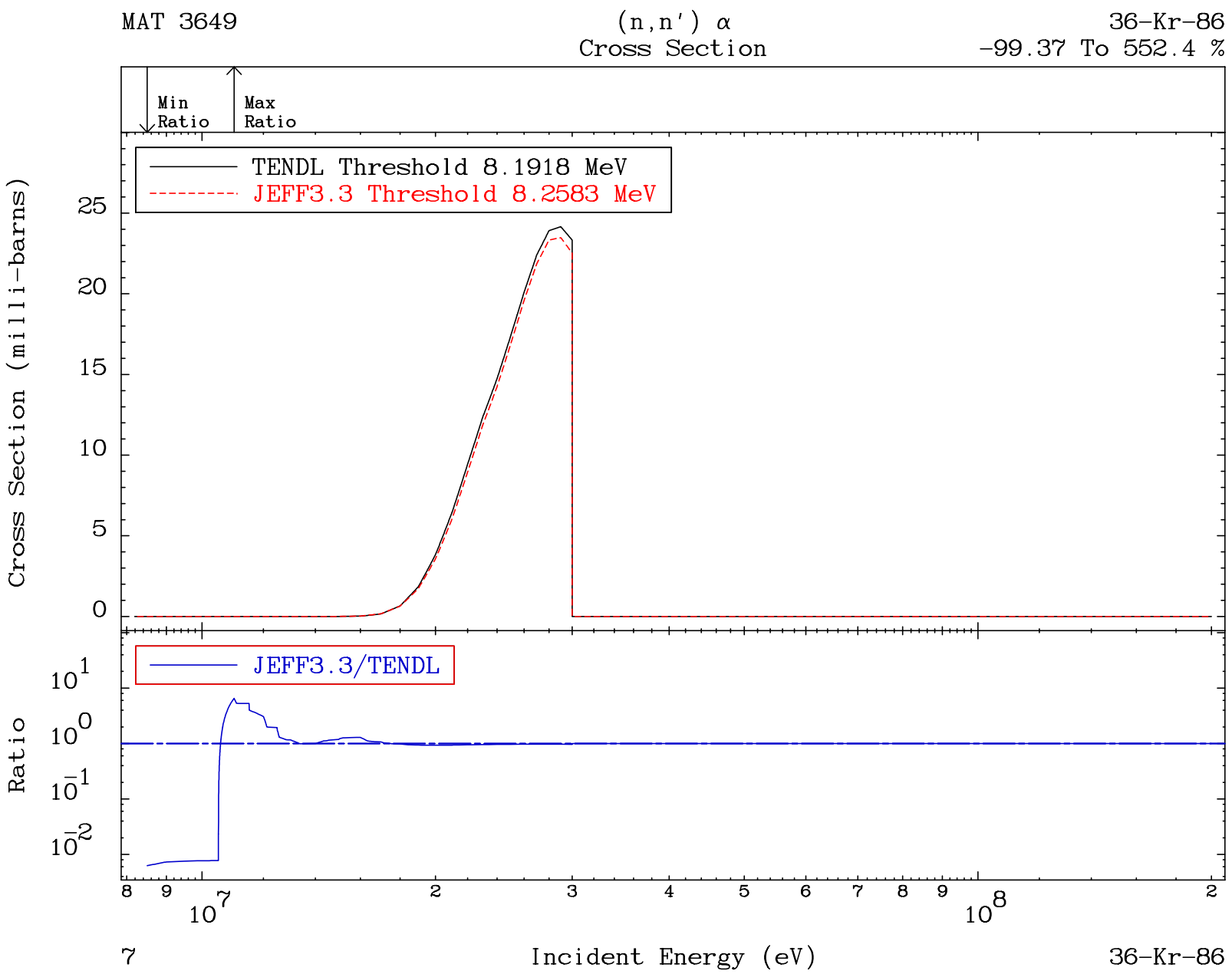

MAT 3649
Elastic
Cross Section
36-Kr-86
-75.93 To 2805. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
2
36-Kr-86

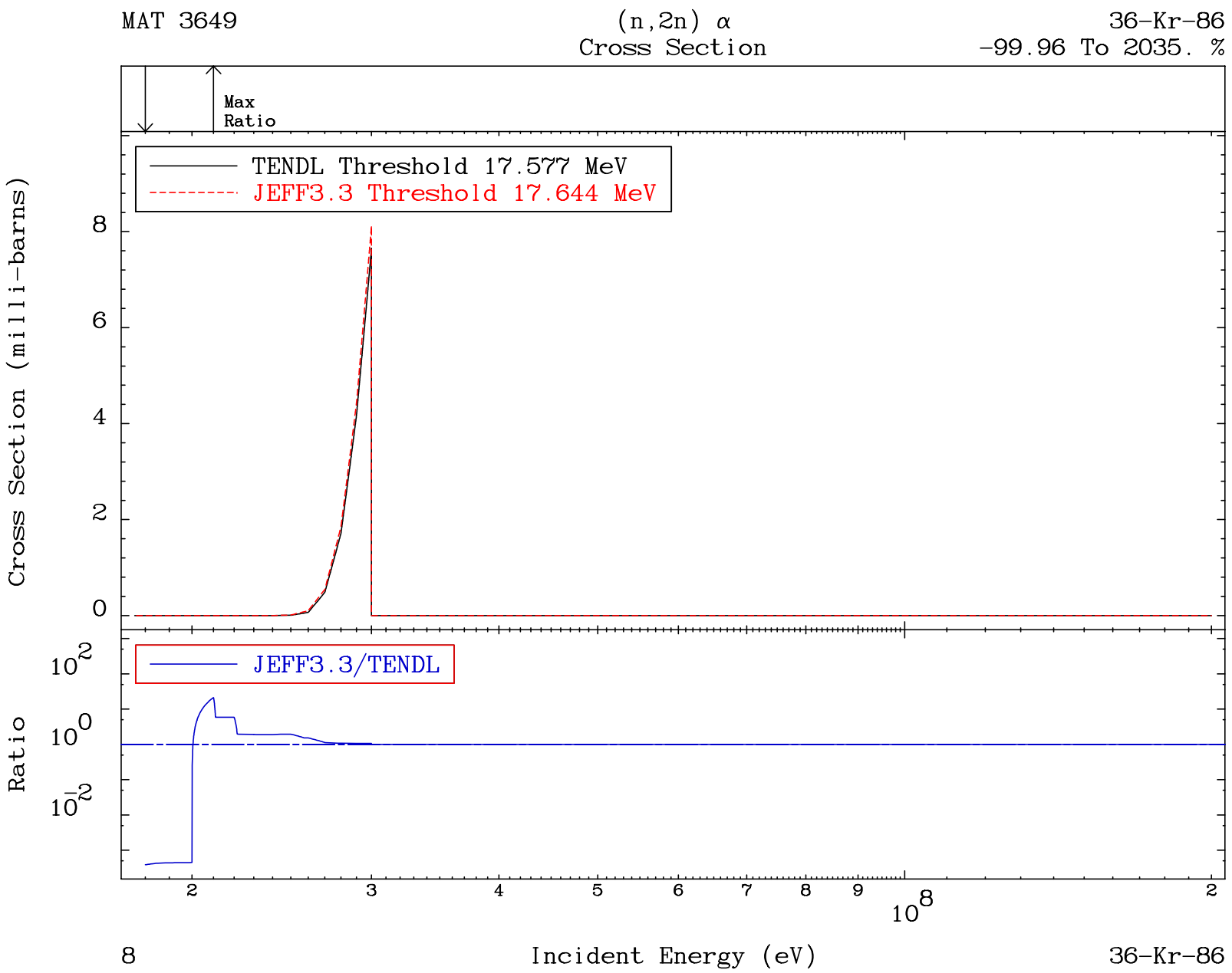

MAT 3649
Inelastic
Cross Section
36-Kr-86
-8.762 To 1.066 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.5831 MeV
JEFF3.3 Threshold 1.5831 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.00
0.95
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
3
Incident Energy (eV)
36-Kr-86

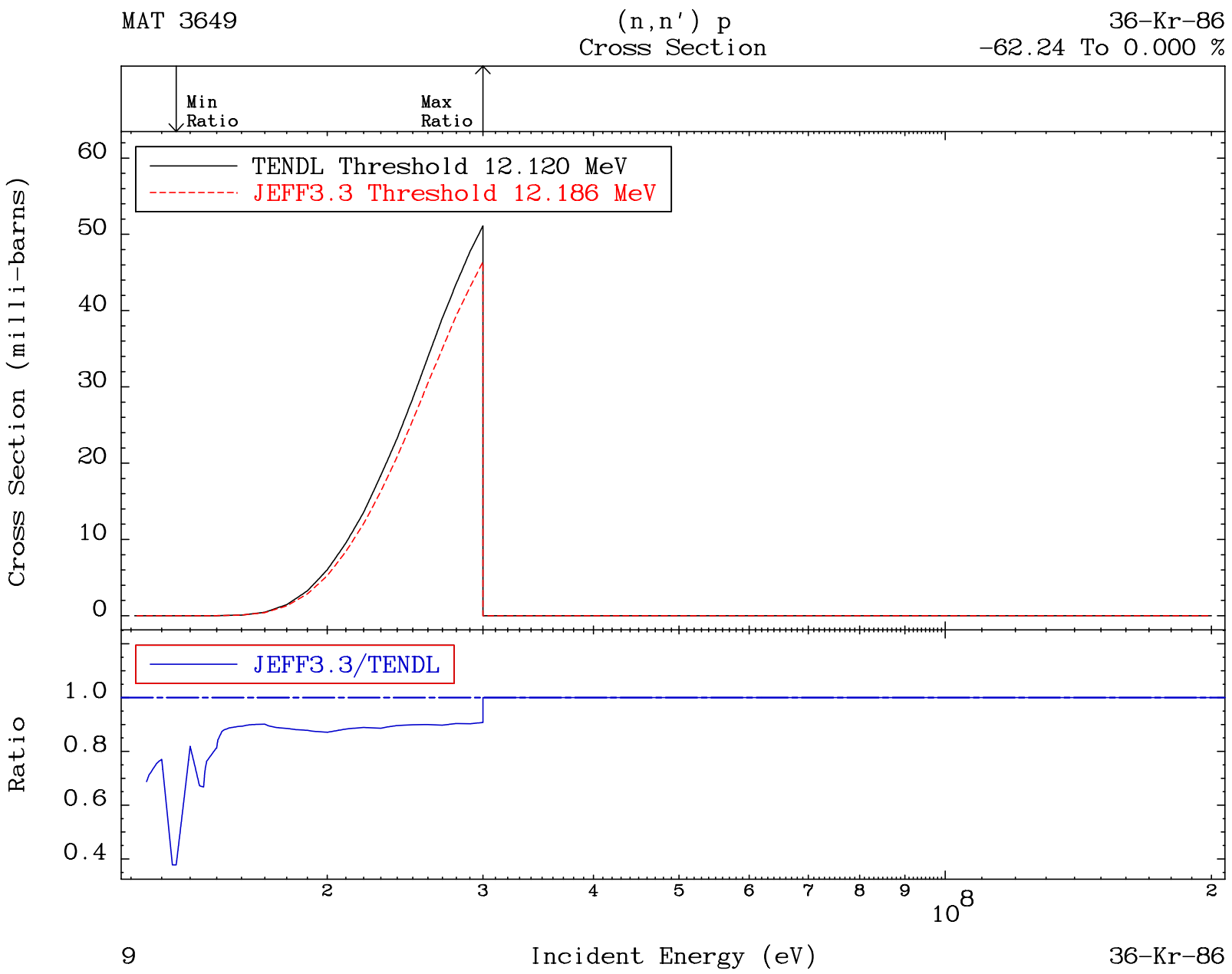

MAT 3649
(n,2n) d
Cross Section
36-Kr-86
0.000 To 180.5 %
Min
Ratio
TENDL Threshold 25.758 MeV
JEFF3.3 Threshold 25.825 MeV
Cross Section (micro-barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
3.0
2.0
1.0
40
60
80
100
120
140
160
180
200
4
Incident Energy (MeV)
36-Kr-86

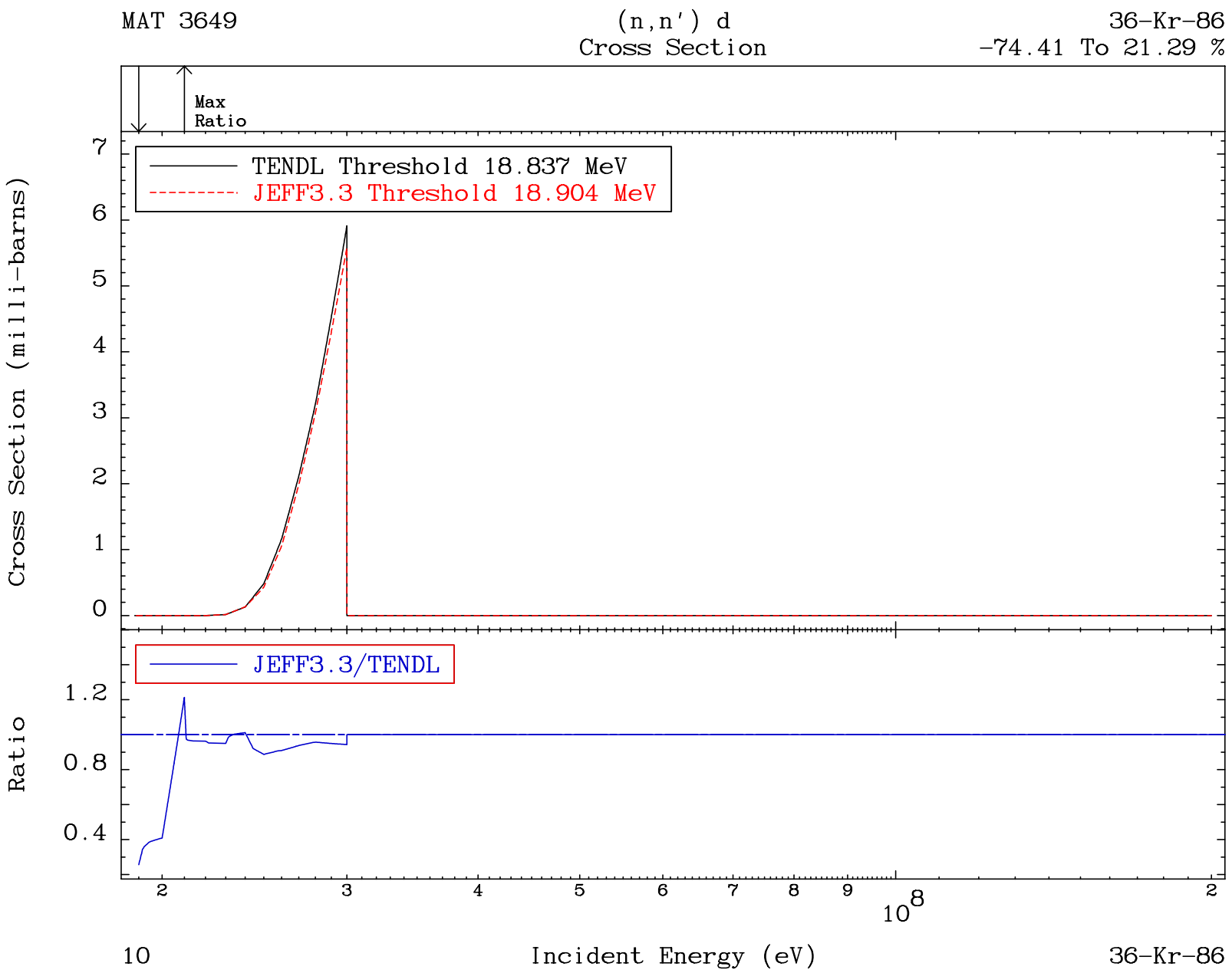

MAT 3649
(n,2n)
Cross Section
36-Kr-86
-17.45 To 3.353 %
Min Ratio
Max Ratio
TENDL Threshold 9.9724 MeV
JEFF3.3 Threshold 10.039 MeV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.0
0.9
10^7
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
36-Kr-86

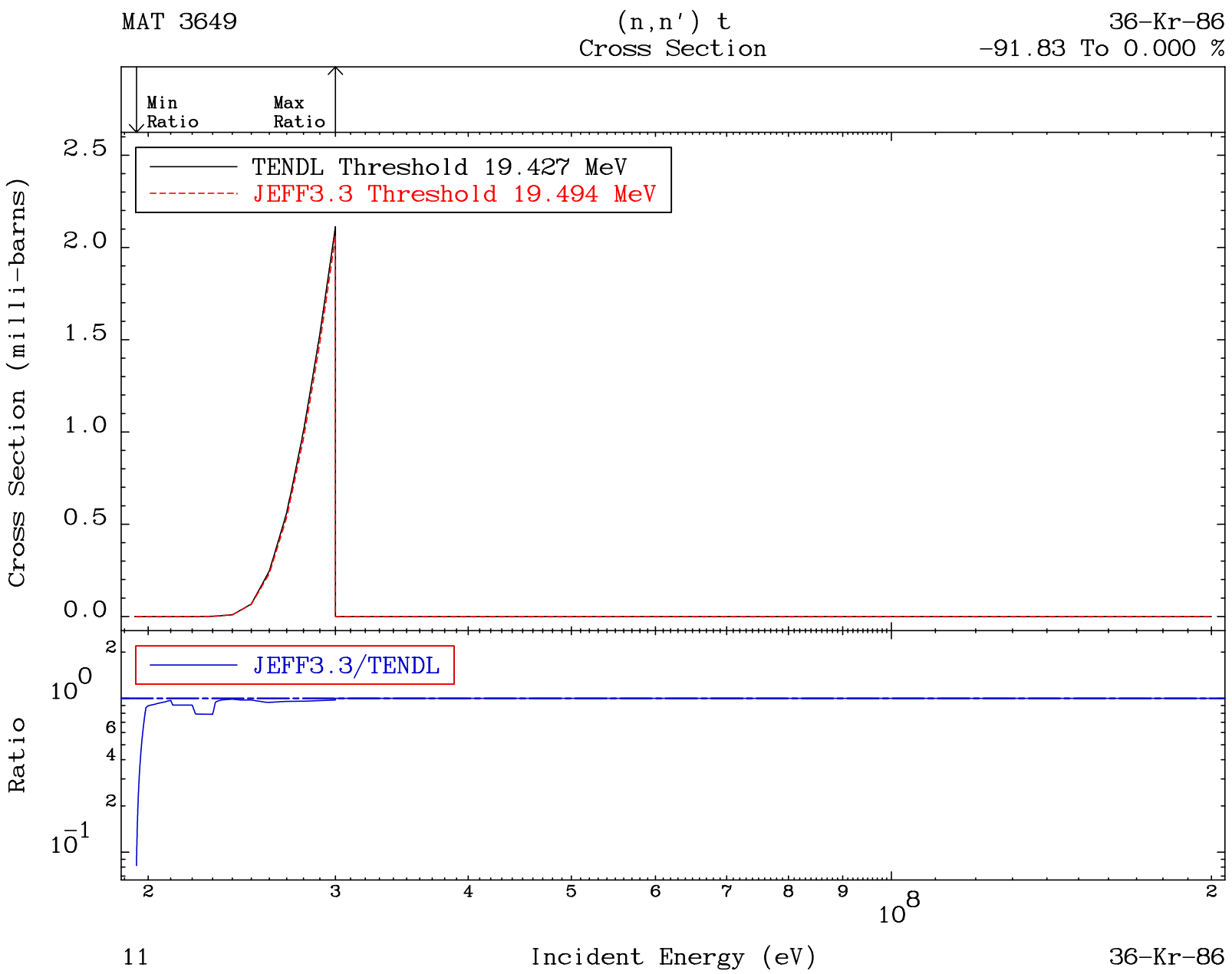

MAT 3649
(n,3n)
Cross Section
36-Kr-86
0.000 To 33.50 %
Max Ratio
Min Ratio
TENDL Threshold 17.168 MeV
JEFF3.3 Threshold 17.201 MeV
Cross Section (barns)
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.4
1.2
1.0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
36-Kr-86

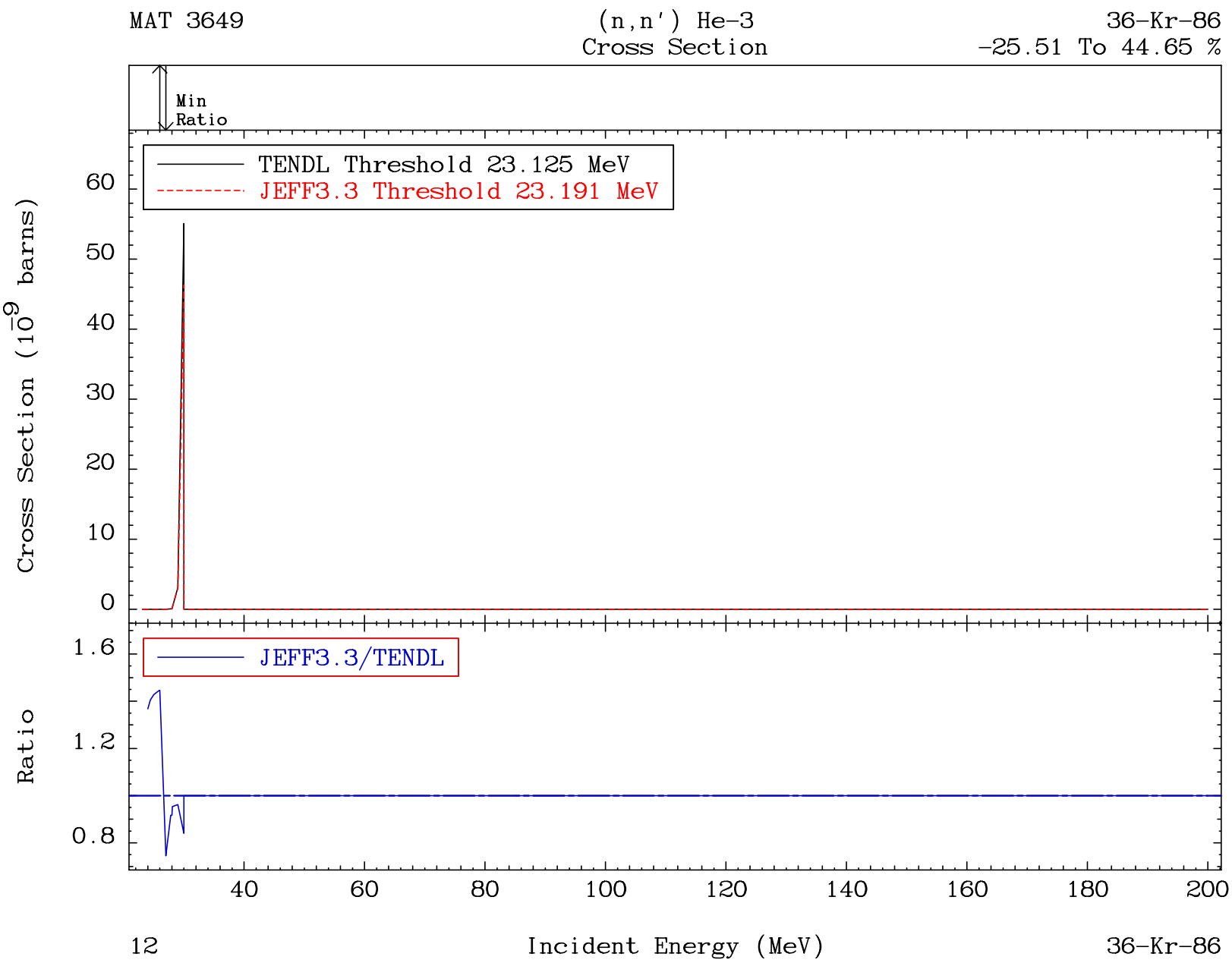

MAT 3649
(n,n') α
Cross Section
36-Kr-86
-99.37 To 552.4 %
Min Ratio
Max Ratio
TENDL Threshold 8.1918 MeV
JEFF3.3 Threshold 8.2583 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
10^1
10^0
10^-1
10^-2
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
7
Incident Energy (eV)
36-Kr-86

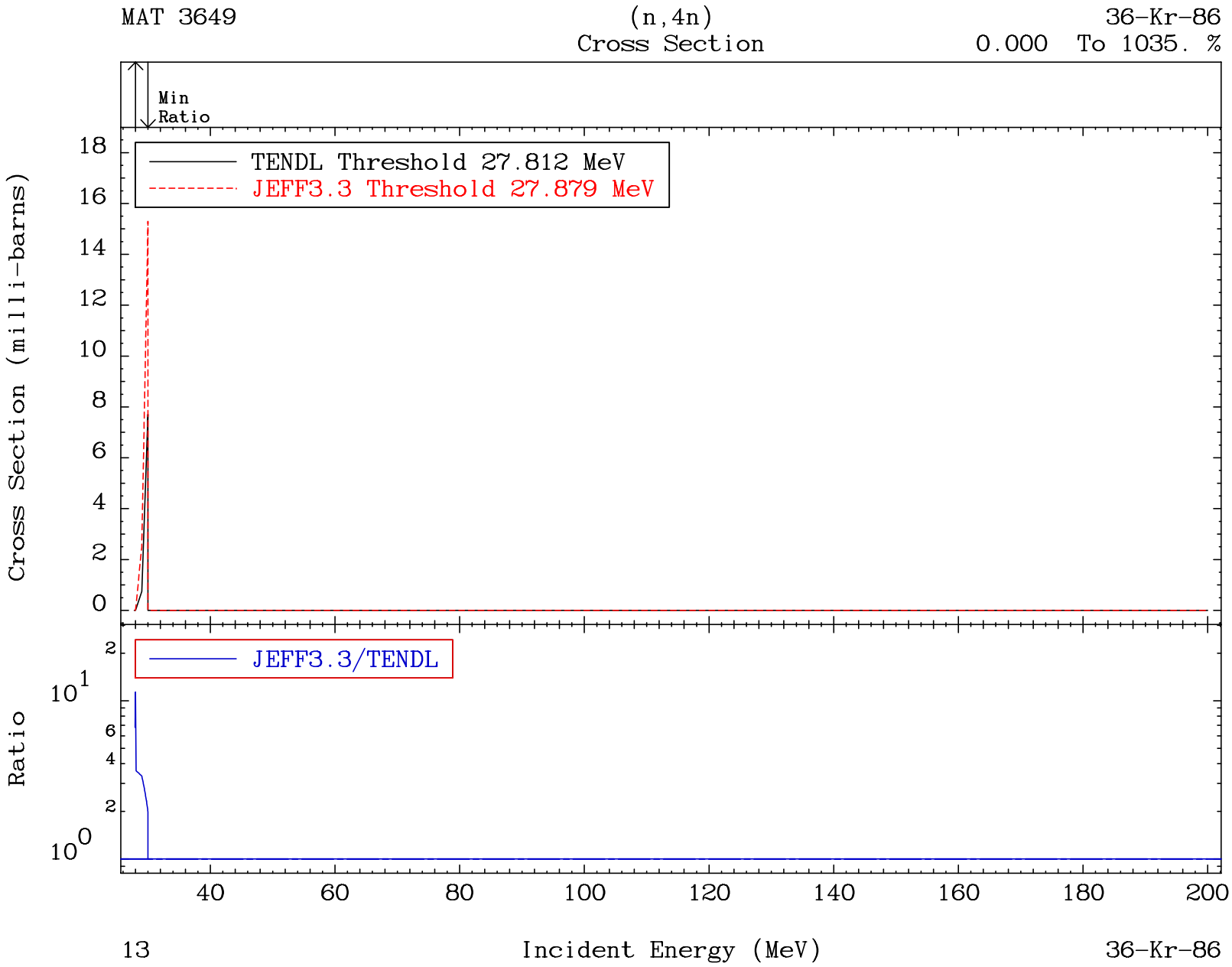

MAT 3649
(n,2n) α
Cross Section
36-Kr-86
-99.96 To 2035. %
Max
Ratio
TENDL Threshold 17.577 MeV
JEFF3.3 Threshold 17.644 MeV
Cross Section (milli-barns)
0
2
4
6
8
JEFF3.3/TENDL
Ratio
10^2
10^0
10^-2
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
36-Kr-86

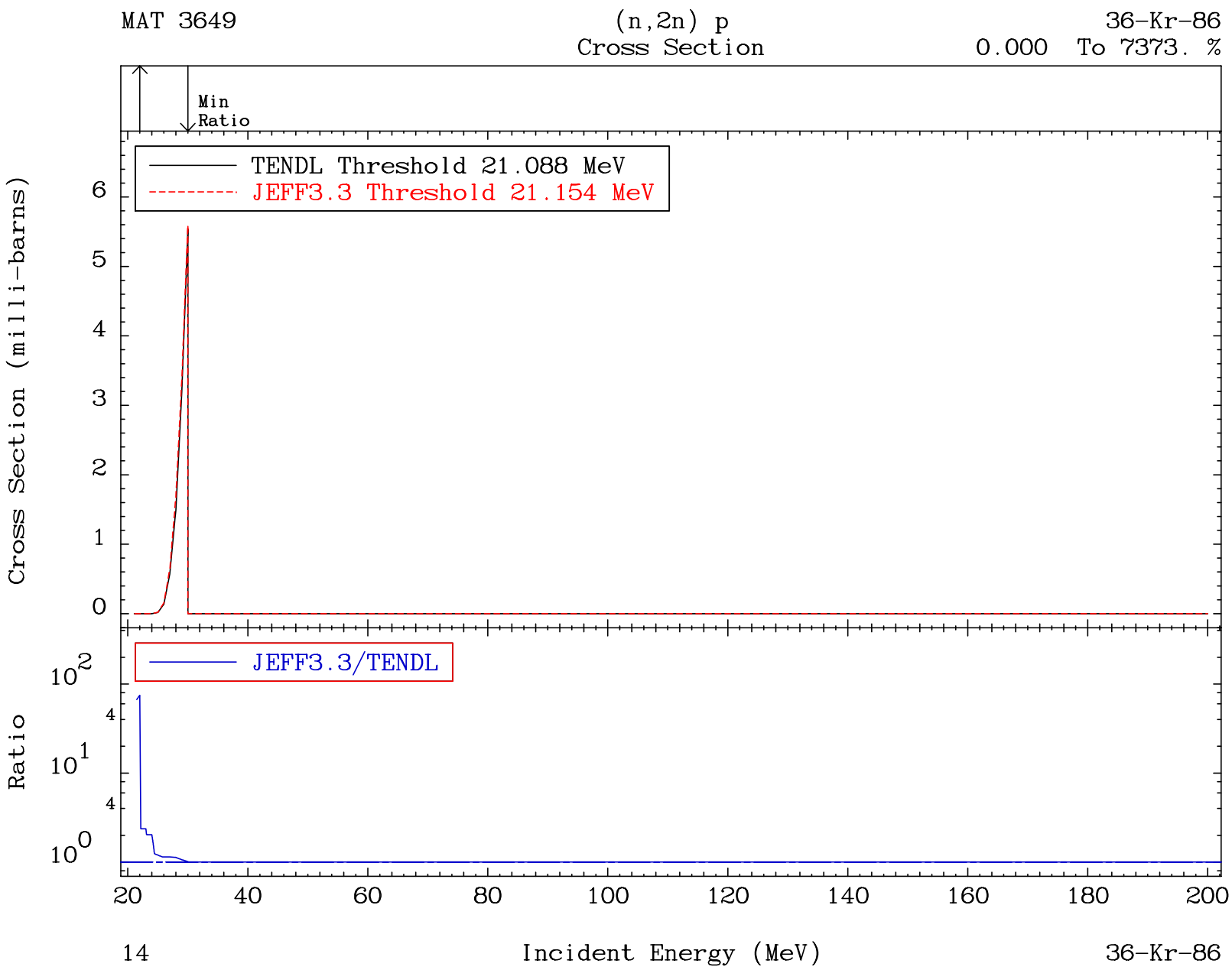

MAT 3649
(n,n') p
Cross Section
36-Kr-86
-62.24 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 12.120 MeV
JEFF3.3 Threshold 12.186 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.0
0.8
0.6
0.4
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
36-Kr-86

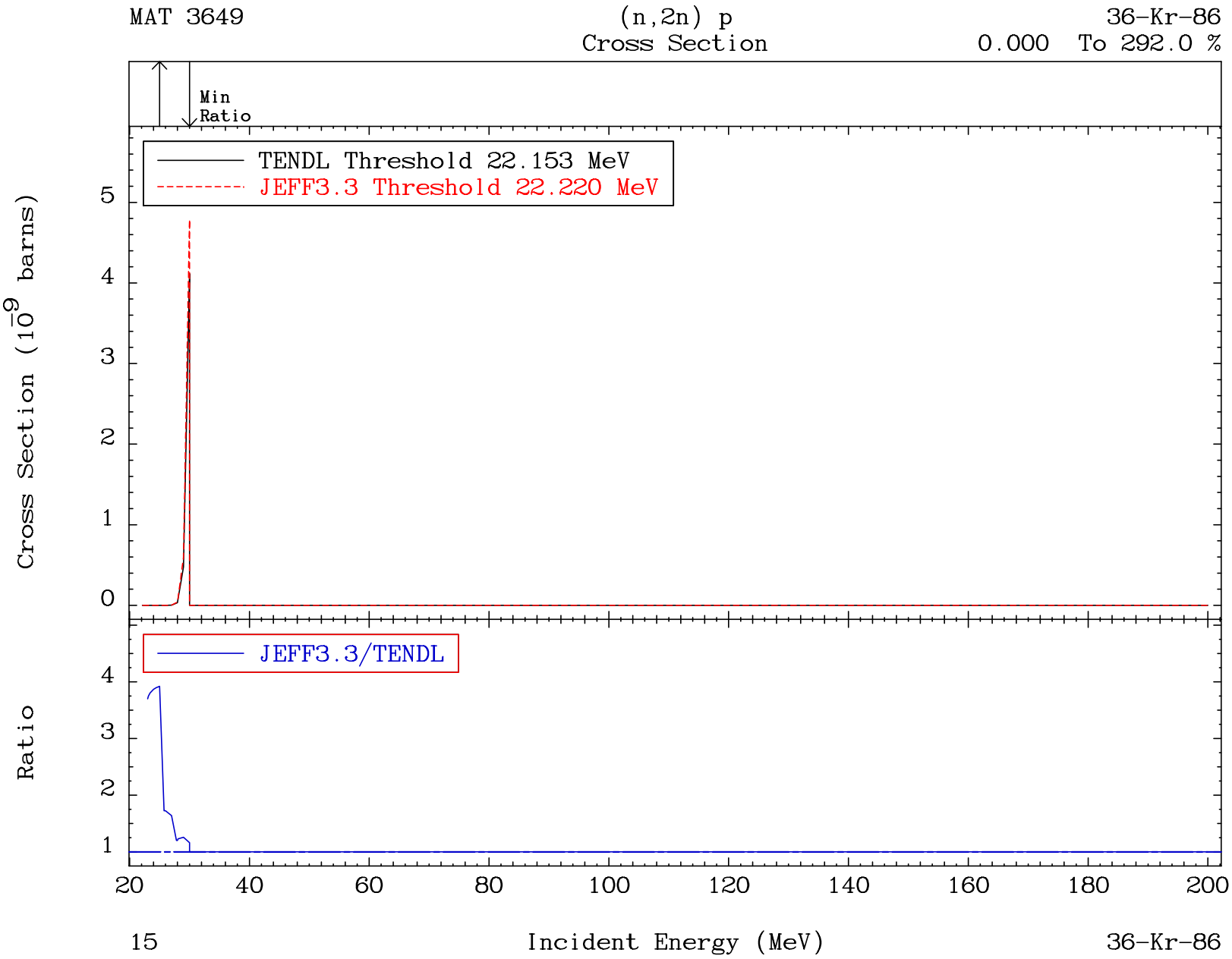

MAT 3649
(n,n') d
Cross Section
36-Kr-86
-74.41 To 21.29 %
Max
Ratio
TENDL Threshold 18.837 MeV
JEFF3.3 Threshold 18.904 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
7
JEFF3.3/TENDL
Ratio
0.4
0.8
1.2
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
36-Kr-86

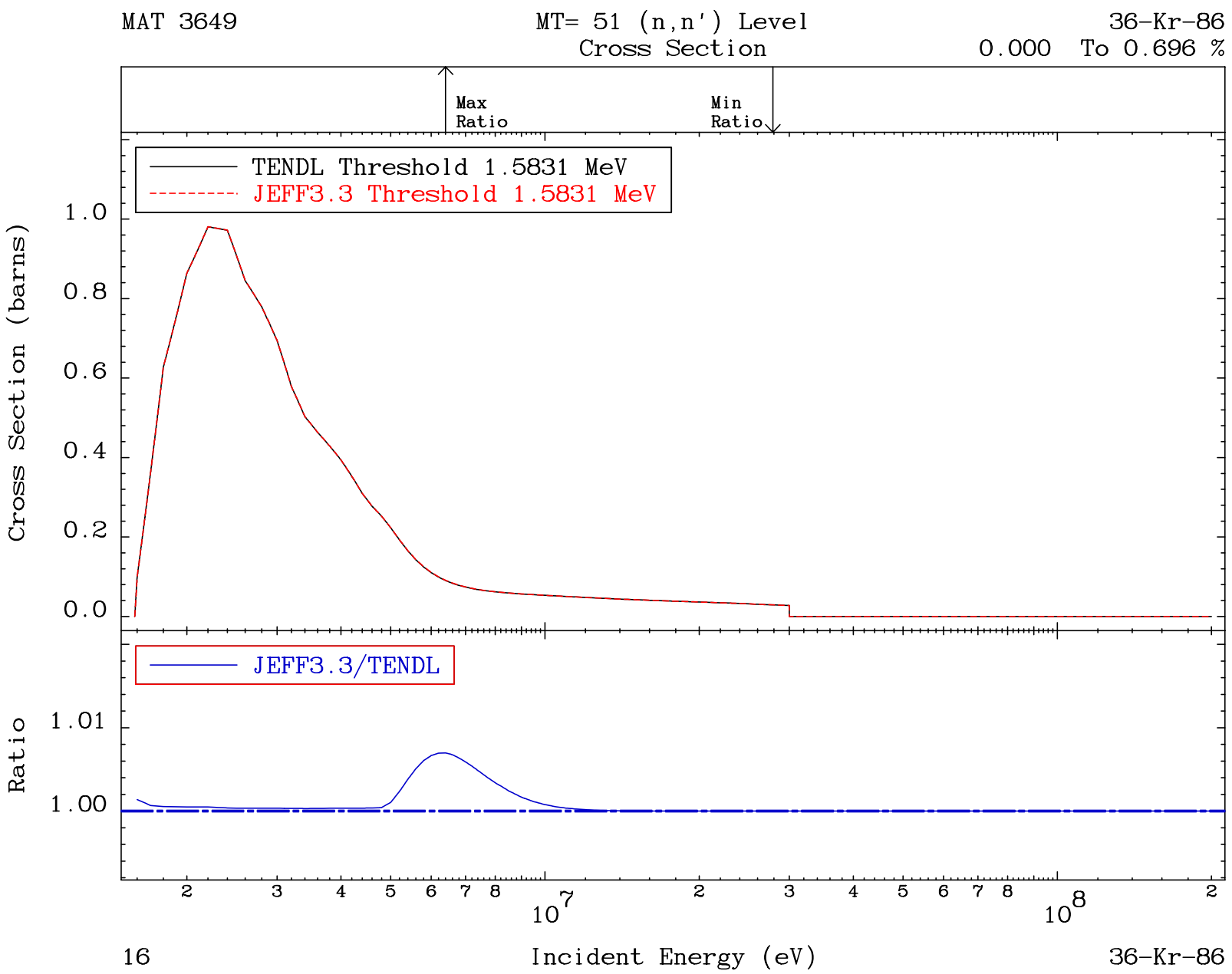

MAT 3649
(n,n') t
Cross Section
36-Kr-86
-91.83 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 19.427 MeV
JEFF3.3 Threshold 19.494 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^0
10^{-1}
2
6
4
2
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
36-Kr-86

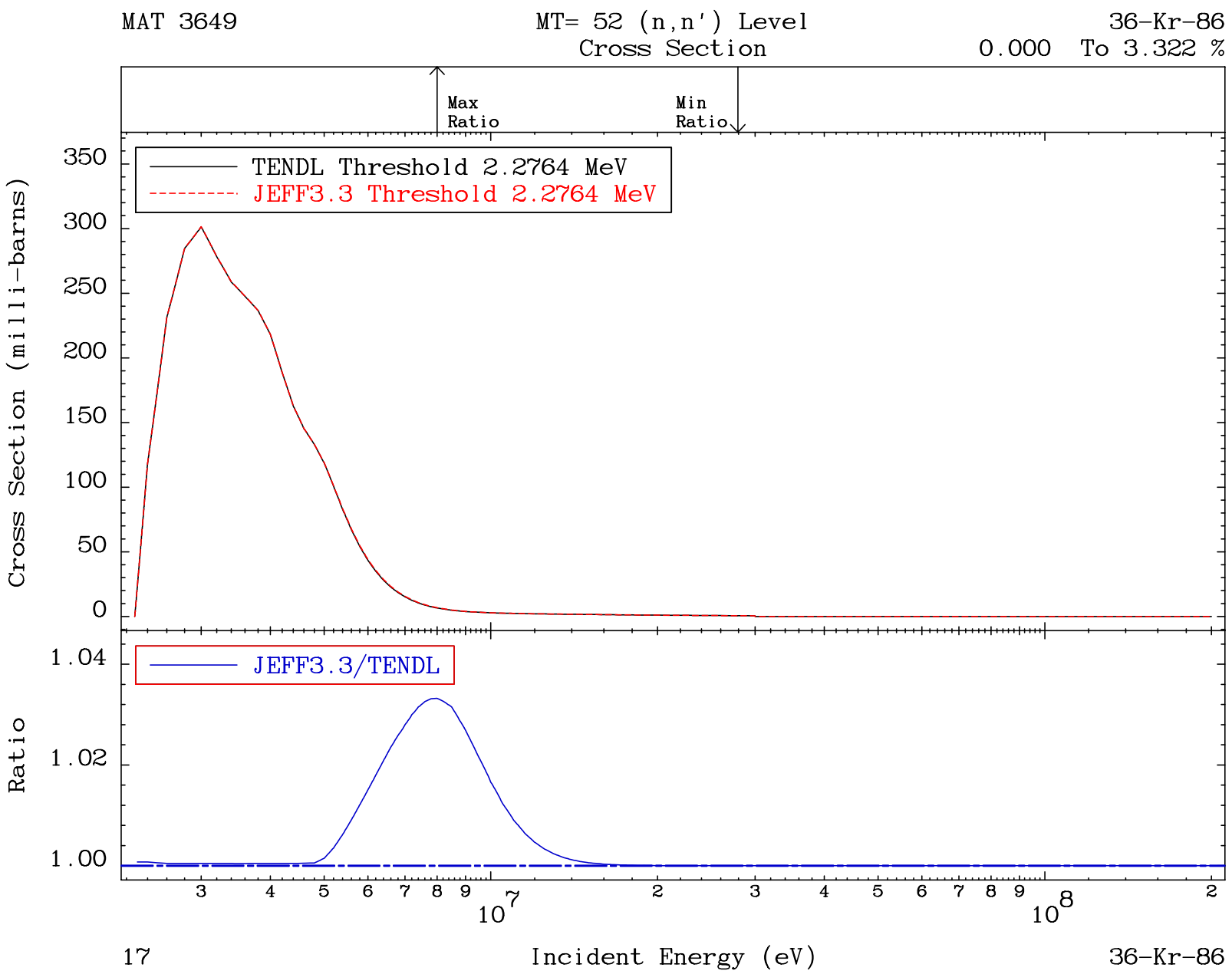

MAT 3649
(n,n') He-3
Cross Section
36-Kr-86
-25.51 To 44.65 %
Min
Ratio
TENDL Threshold 23.125 MeV
JEFF3.3 Threshold 23.191 MeV
Cross Section (10^{-9} barns)
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.6
1.2
0.8
40
60
80
100
120
140
160
180
200
12
Incident Energy (MeV)
36-Kr-86

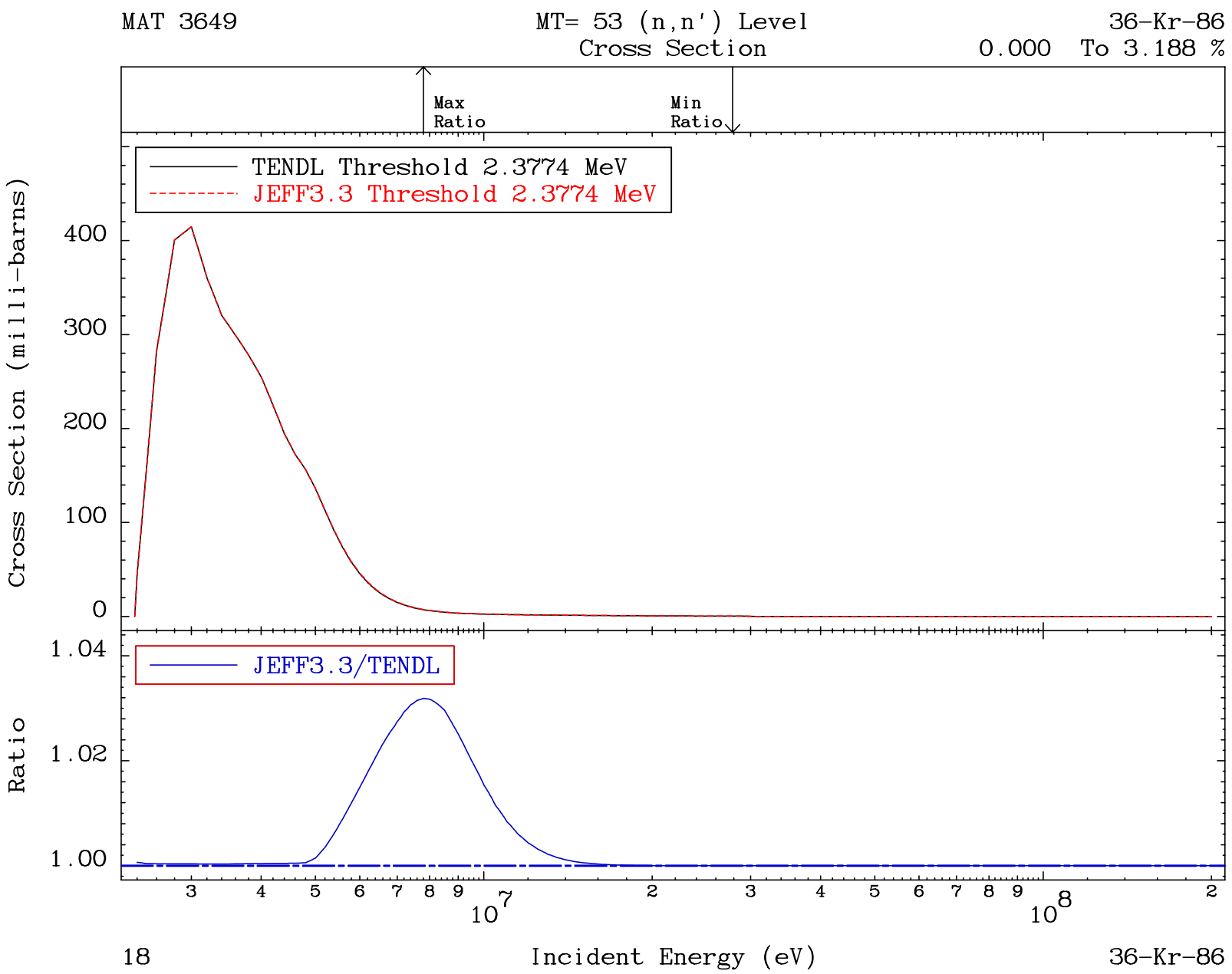

MAT 3649
(n,4n)
Cross Section
36-Kr-86
0.000 To 1035. %
Min
Ratio
TENDL Threshold 27.812 MeV
JEFF3.3 Threshold 27.879 MeV
Cross Section (milli-barns)
18
16
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
2
10^1
6
4
2
10^0
40
60
80
100
120
140
160
180
200
13
Incident Energy (MeV)
36-Kr-86

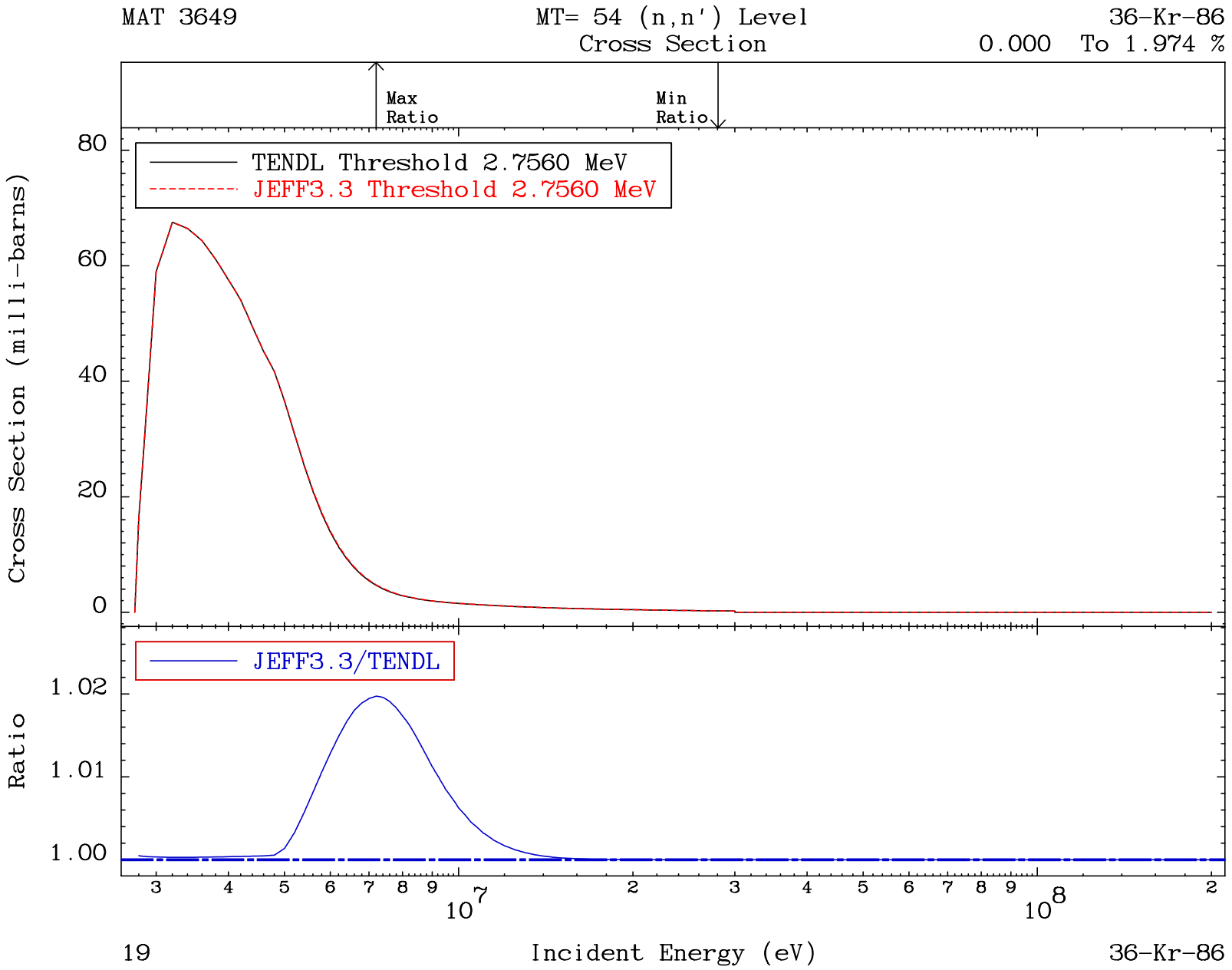

MAT 3649
(n,2n) p
Cross Section
36-Kr-86
0.000 To 7373. %
Min
Ratio
TENDL Threshold 21.088 MeV
JEFF3.3 Threshold 21.154 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
JEFF3.3/TENDL
Ratio
10^2
4
10^1
4
10^0
20
40
60
80
100
120
140
160
180
200
14
Incident Energy (MeV)
36-Kr-86

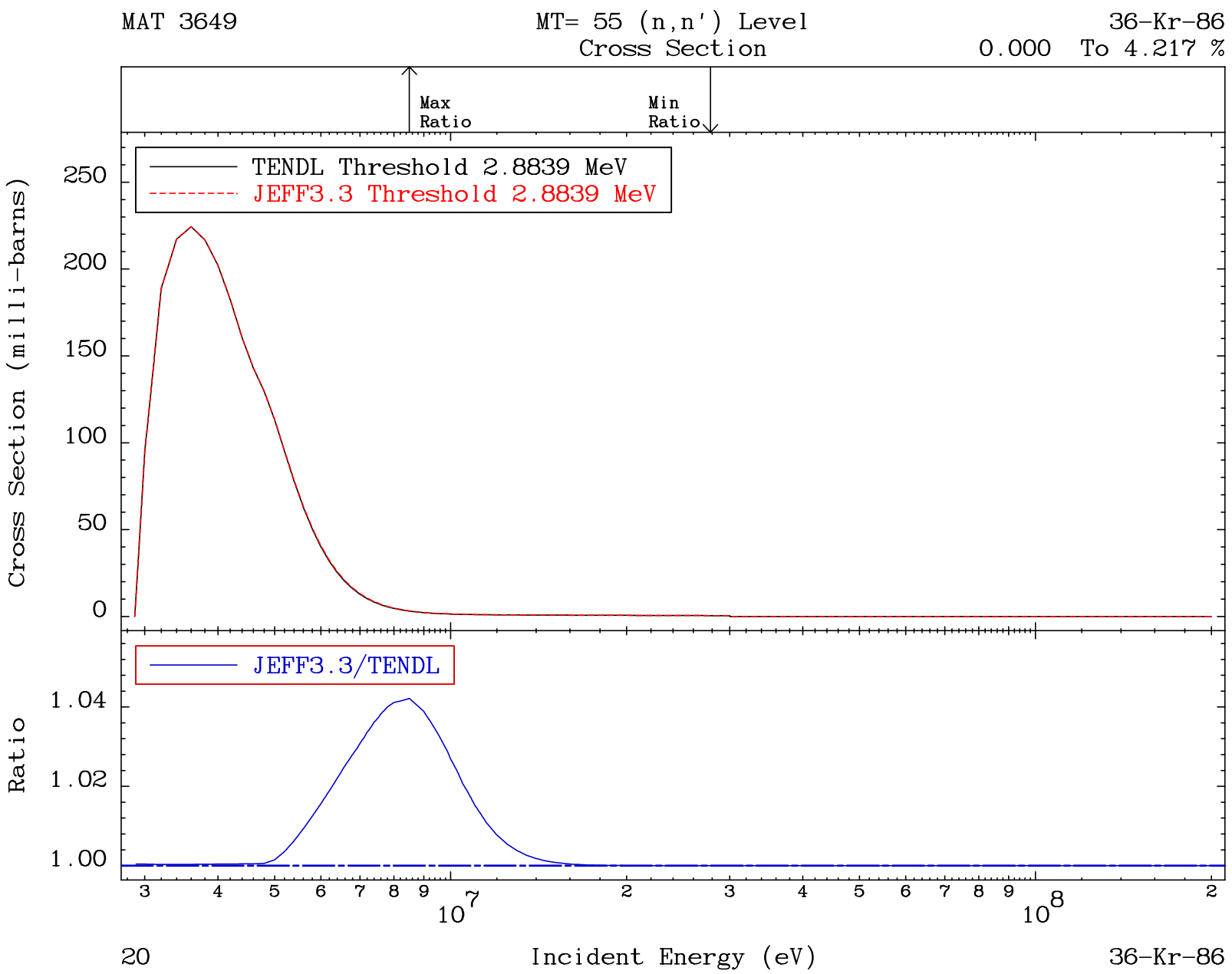

MAT 3649
(n,2n) p
Cross Section
36-Kr-86
0.000 To 292.0 %
Min
Ratio
TENDL Threshold 22.153 MeV
JEFF3.3 Threshold 22.220 MeV
Cross Section (10^-9 barns)
JEFF3.3/TENDL
Ratio
Incident Energy (MeV)
15
36-Kr-86

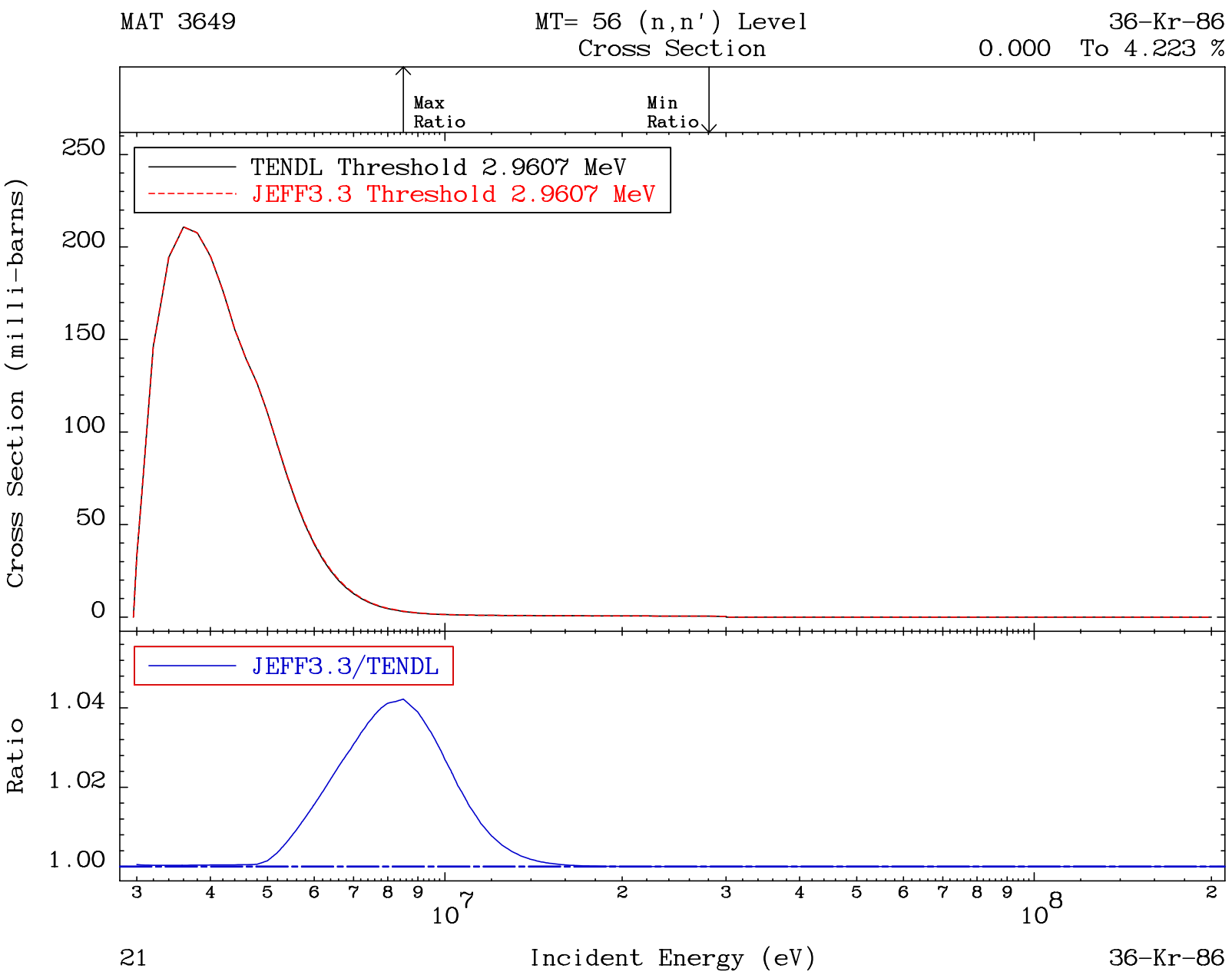

MAT 3649
MT= 51 (n,n') Level
Cross Section
36-Kr-86
0.000 To 0.696 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.5831 MeV
JEFF3.3 Threshold 1.5831 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
36-Kr-86

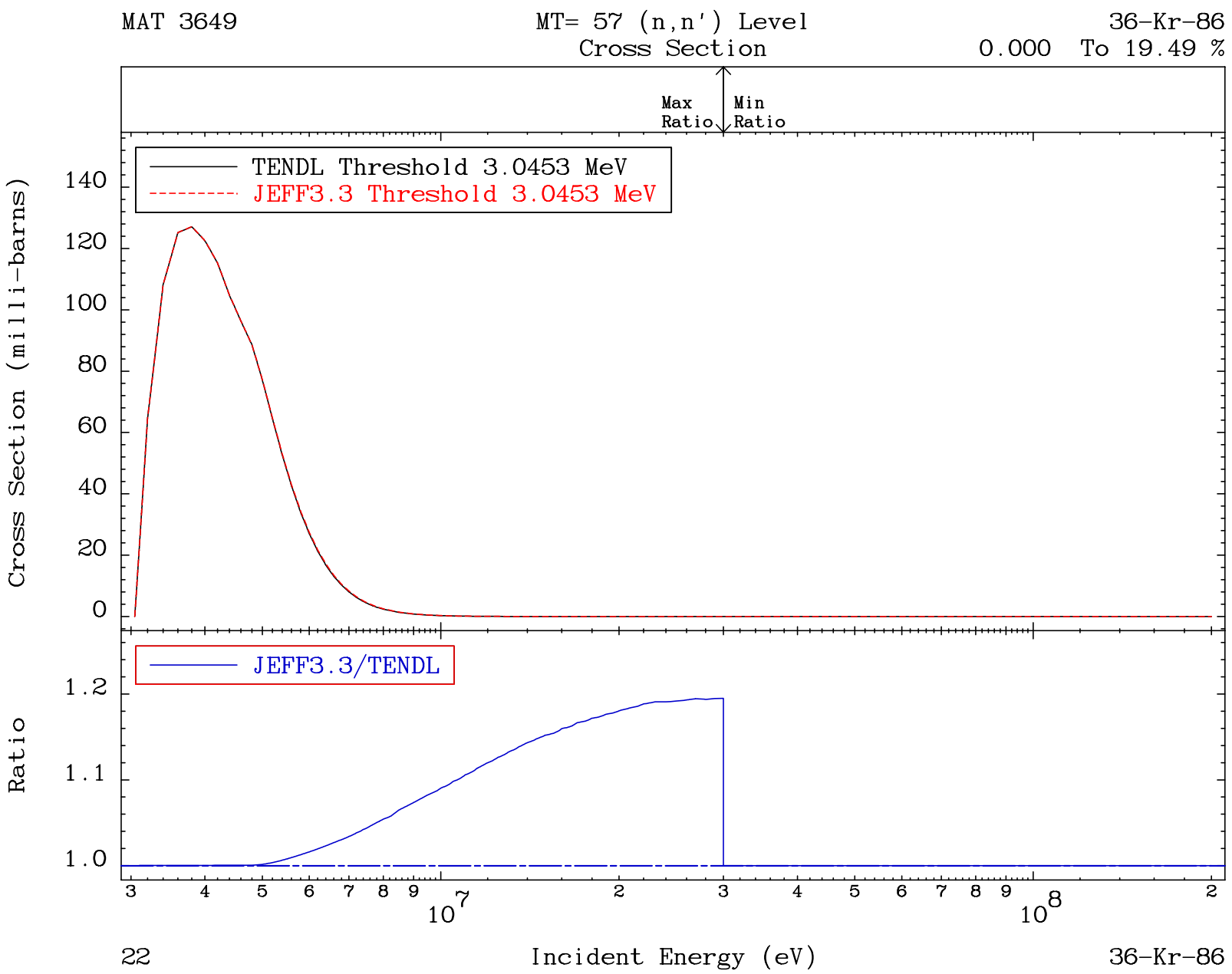

MAT 3649
MT= 52 (n,n') Level
Cross Section
36-Kr-86
0.000 To 3.322 %
Max Ratio
Min Ratio
TENDL Threshold 2.2764 MeV
JEFF3.3 Threshold 2.2764 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.04
1.02
1.00
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
17
Incident Energy (eV)
36-Kr-86

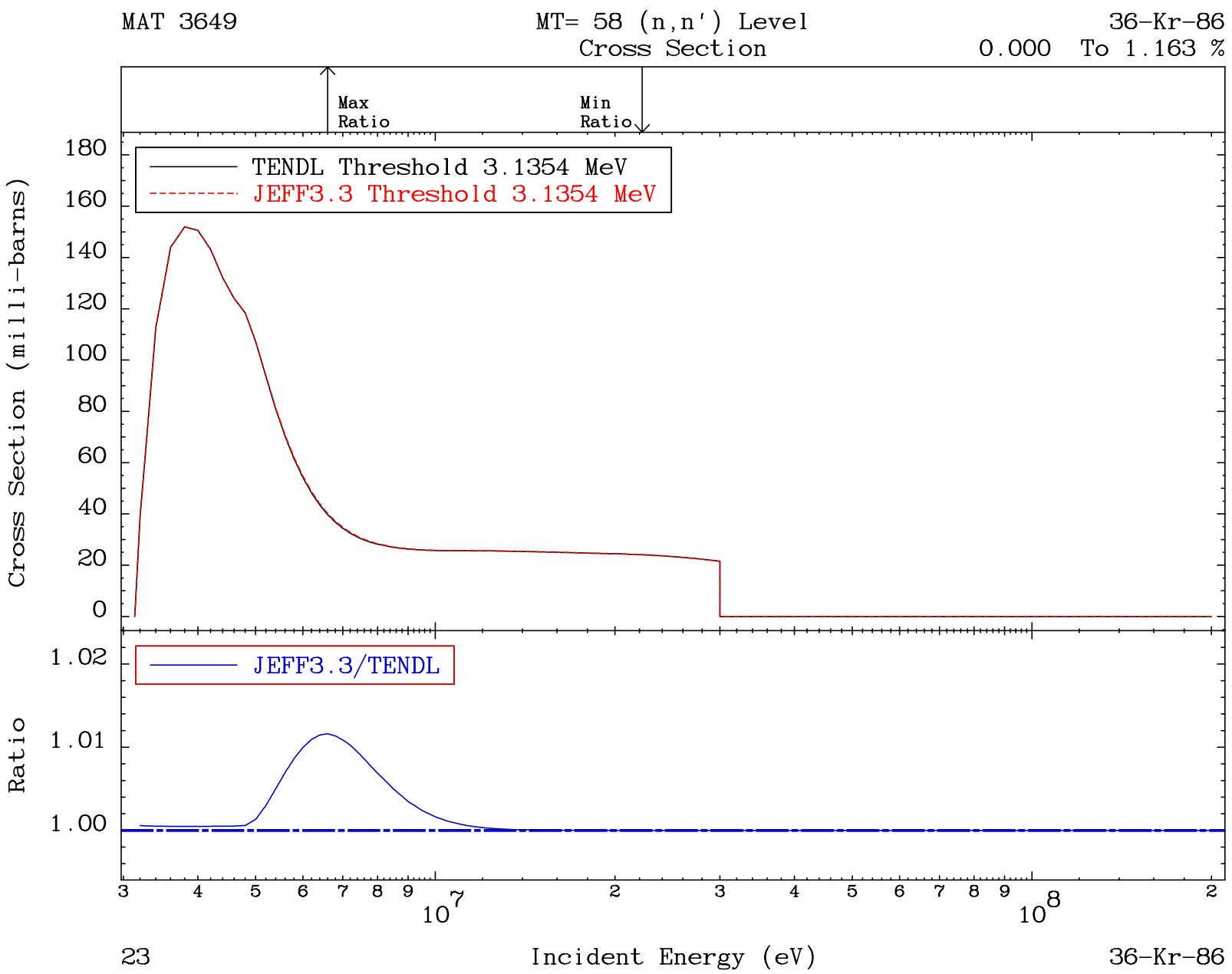

MAT 3649
MT= 53 (n,n') Level
Cross Section
36-Kr-86
0.000 To 3.188 %
Max Ratio
Min Ratio
TENDL Threshold 2.3774 MeV
JEFF3.3 Threshold 2.3774 MeV
Cross Section (milli-barns)
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.04
1.02
1.00
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
18
Incident Energy (eV)
36-Kr-86

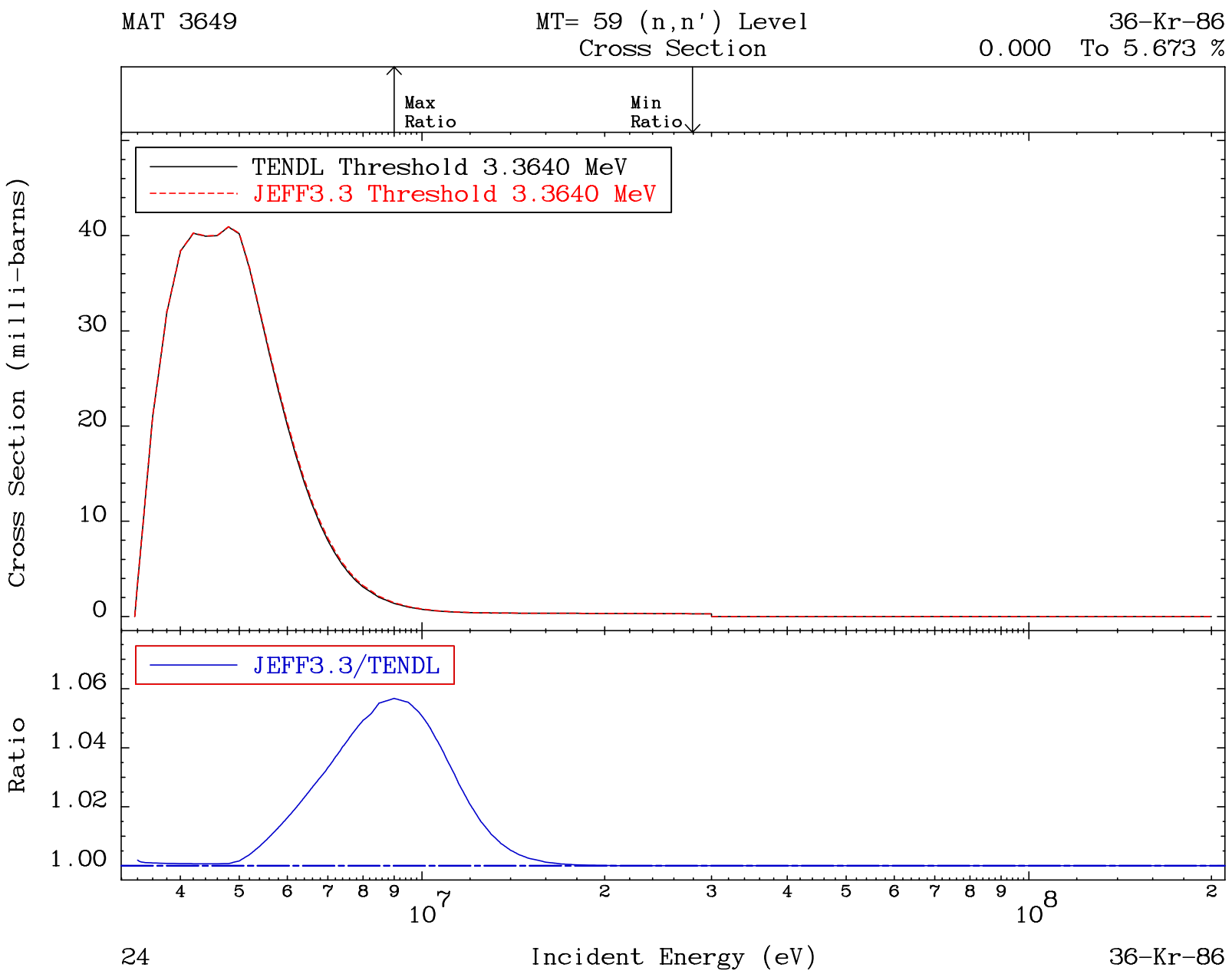

MAT 3649
MT= 54 (n,n') Level
Cross Section
36-Kr-86
0.000 To 1.974 %
Max Ratio
Min Ratio
TENDL Threshold 2.7560 MeV
JEFF3.3 Threshold 2.7560 MeV
Cross Section (milli-barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
19
Incident Energy (eV)
36-Kr-86

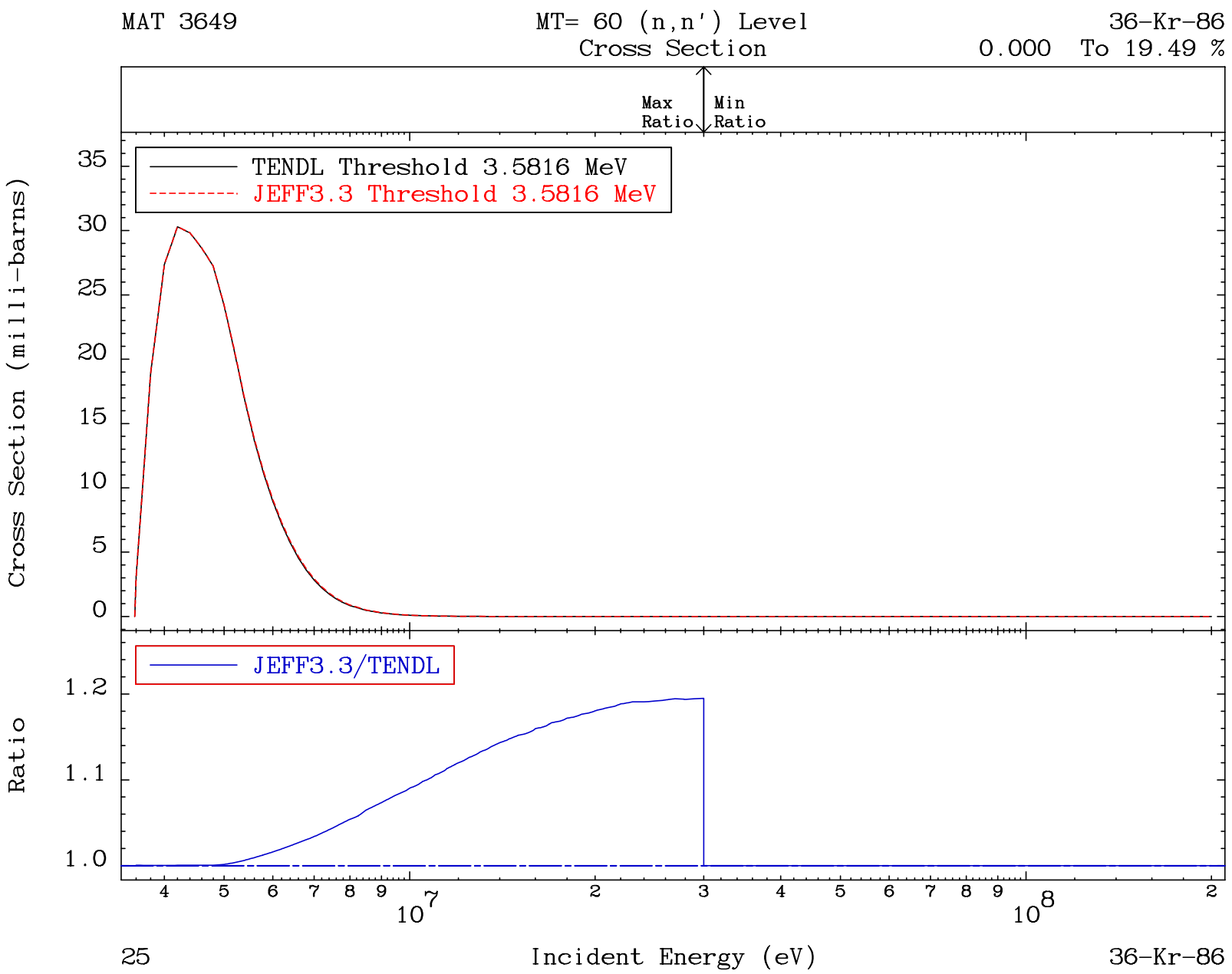

MAT 3649
MT= 55 (n,n') Level
Cross Section
36-Kr-86
0.000 To 4.217 %
Max Ratio
Min Ratio
TENDL Threshold 2.8839 MeV
JEFF3.3 Threshold 2.8839 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.04
1.02
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
20
Incident Energy (eV)
36-Kr-86

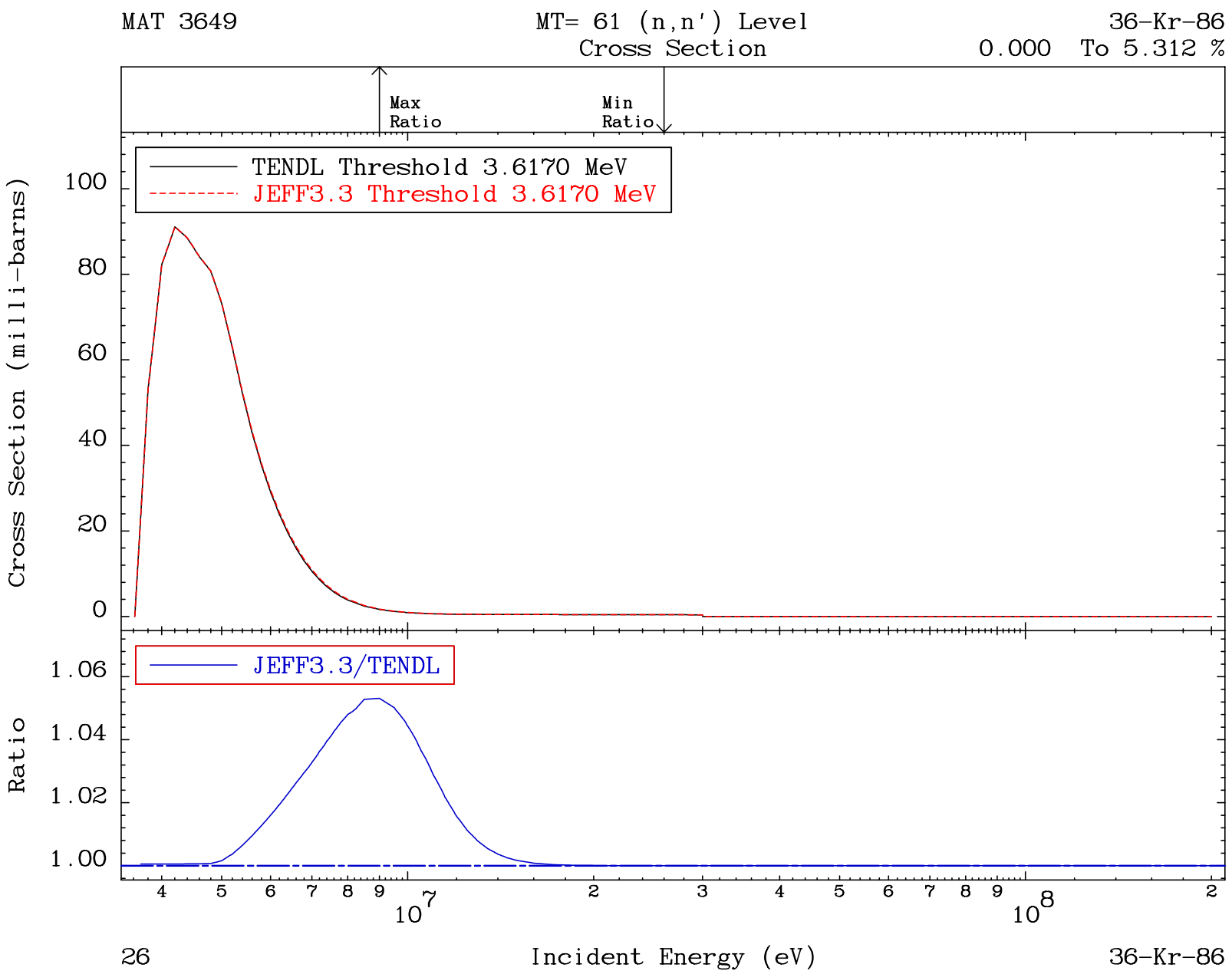

MAT 3649
MT= 56 (n,n') Level
Cross Section
36-Kr-86
0.000 To 4.223 %
Max Ratio
Min Ratio
TENDL Threshold 2.9607 MeV
JEFF3.3 Threshold 2.9607 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.04
1.02
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
21
Incident Energy (eV)
36-Kr-86

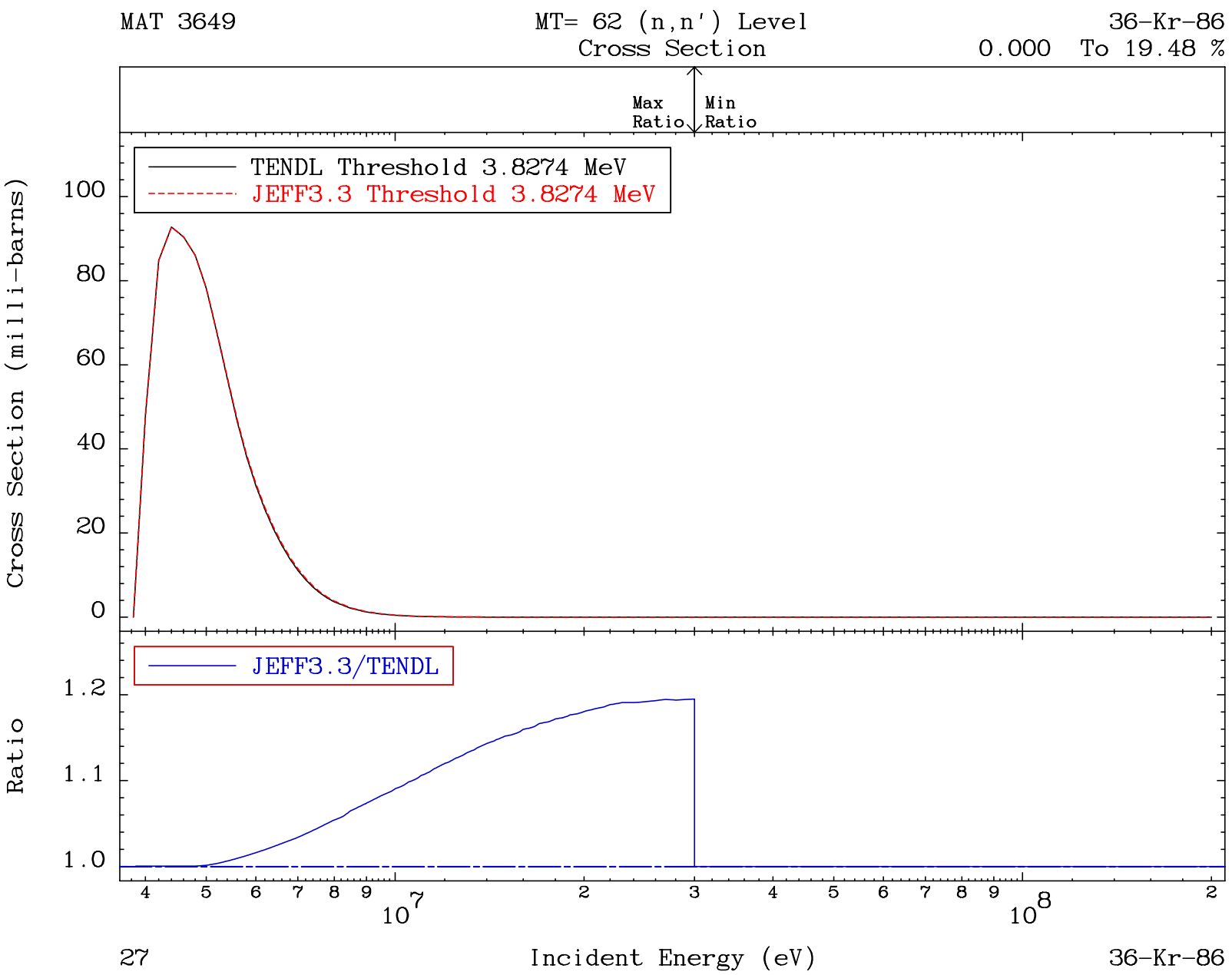

MAT 3649
MT= 57 (n,n') Level
Cross Section
36-Kr-86
0.000 To 19.49 %
Max Ratio
Min Ratio
TENDL Threshold 3.0453 MeV
JEFF3.3 Threshold 3.0453 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.2
1.1
1.0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
22
Incident Energy (eV)
36-Kr-86

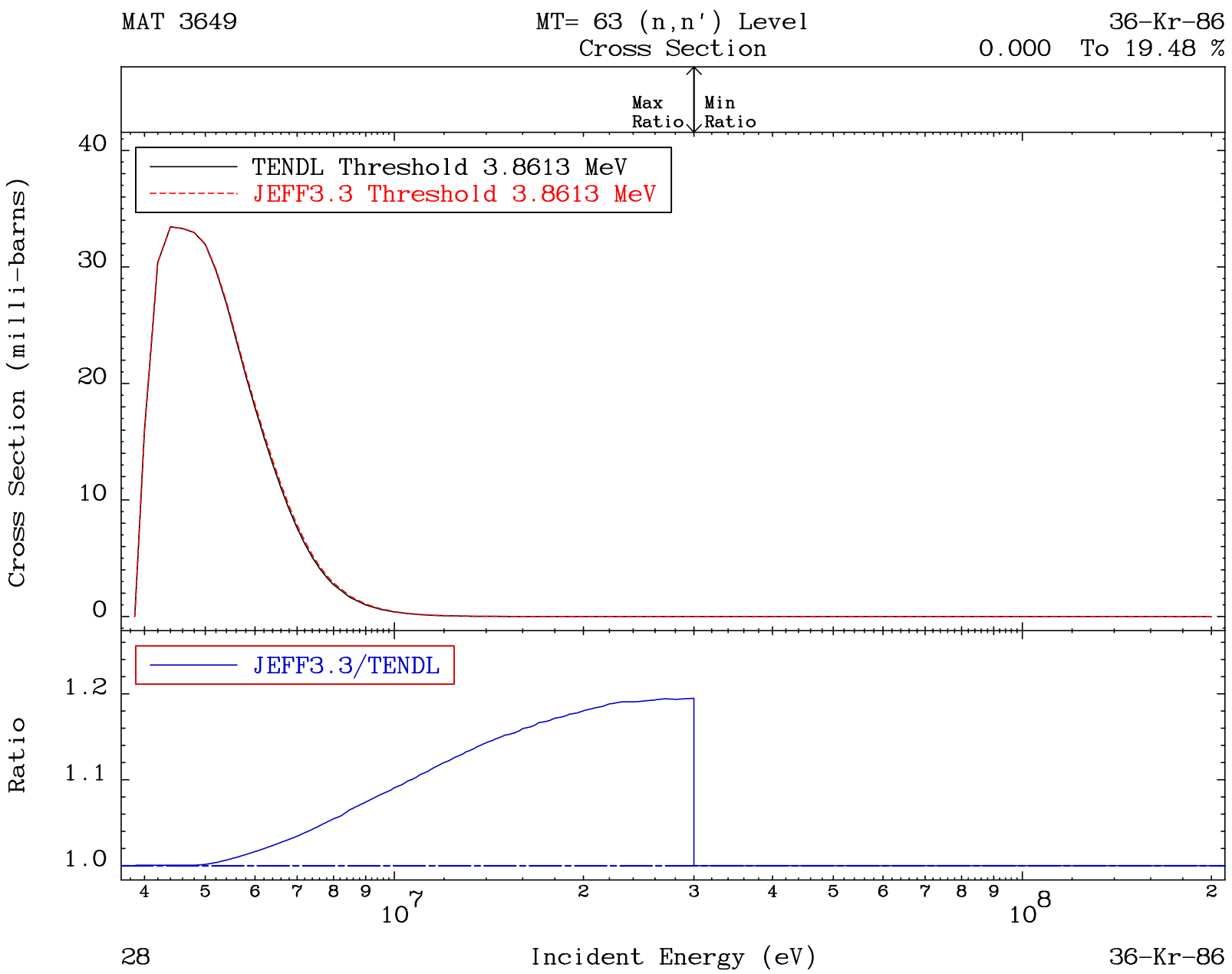

MAT 3649
MT= 58 (n,n') Level
Cross Section
36-Kr-86
0.000 To 1.163 %
Max Ratio
Min Ratio
TENDL Threshold 3.1354 MeV
JEFF3.3 Threshold 3.1354 MeV
Cross Section (milli-barns)
180
160
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
23
Incident Energy (eV)
36-Kr-86

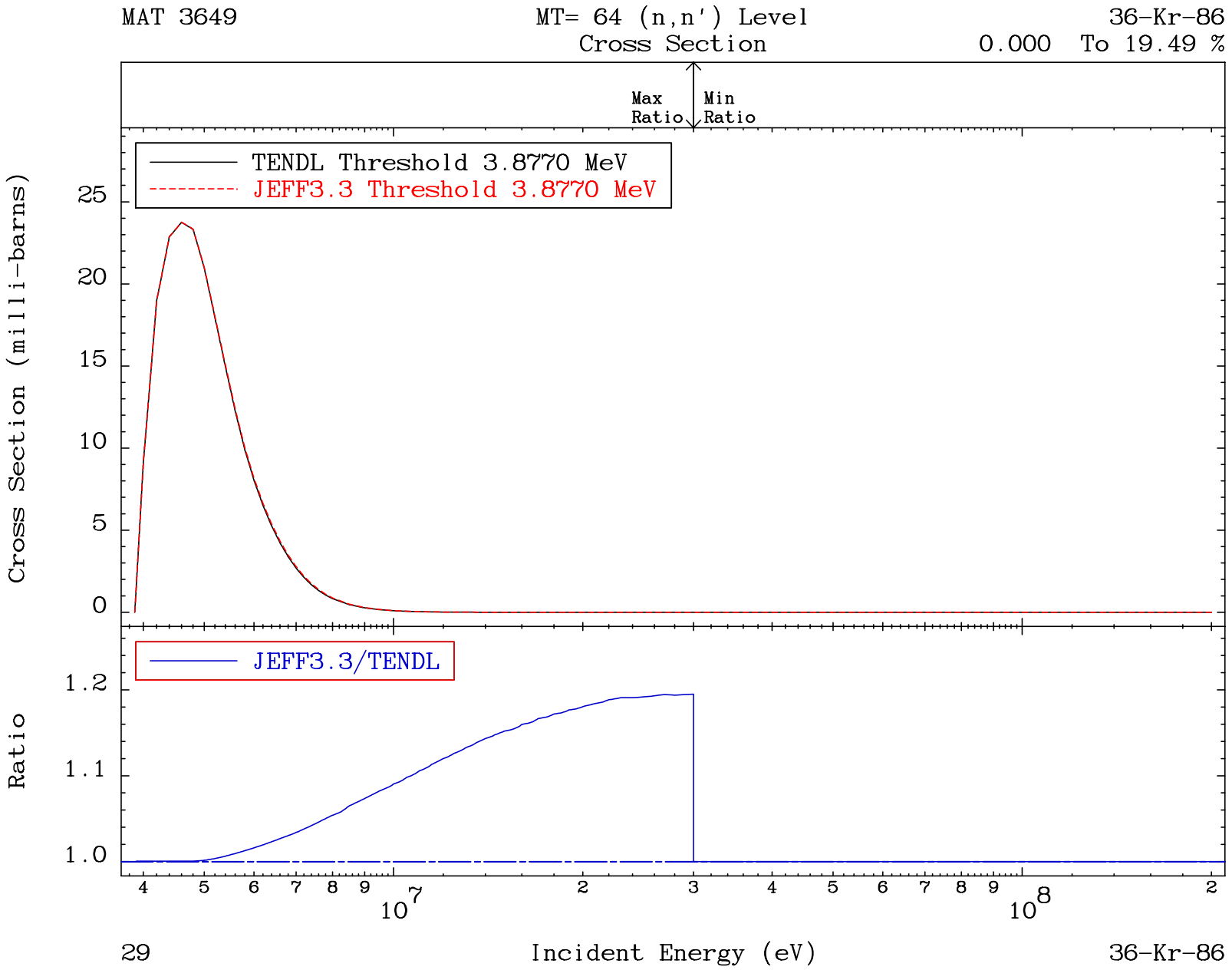

MAT 3649
MT= 59 (n,n') Level
Cross Section
36-Kr-86
0.000 To 5.673 %
Max Ratio
Min Ratio
TENDL Threshold 3.3640 MeV
JEFF3.3 Threshold 3.3640 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.06
1.04
1.02
1.00
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
24
Incident Energy (eV)
36-Kr-86

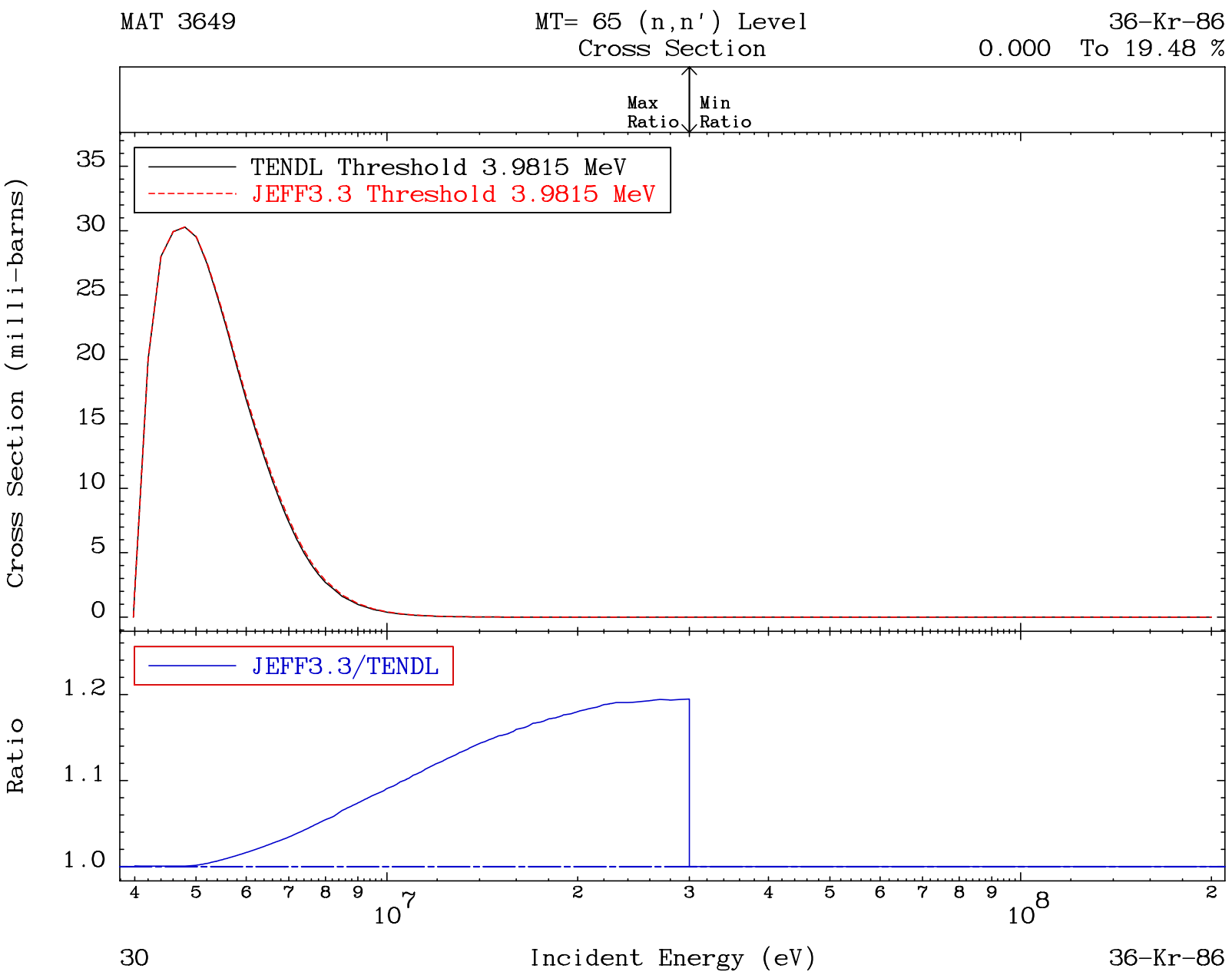

MAT 3649
MT= 60 (n,n') Level
Cross Section
36-Kr-86
0.000 To 19.49 %
Max Ratio
Min Ratio
TENDL Threshold 3.5816 MeV
JEFF3.3 Threshold 3.5816 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.2
1.1
1.0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
25
Incident Energy (eV)
36-Kr-86

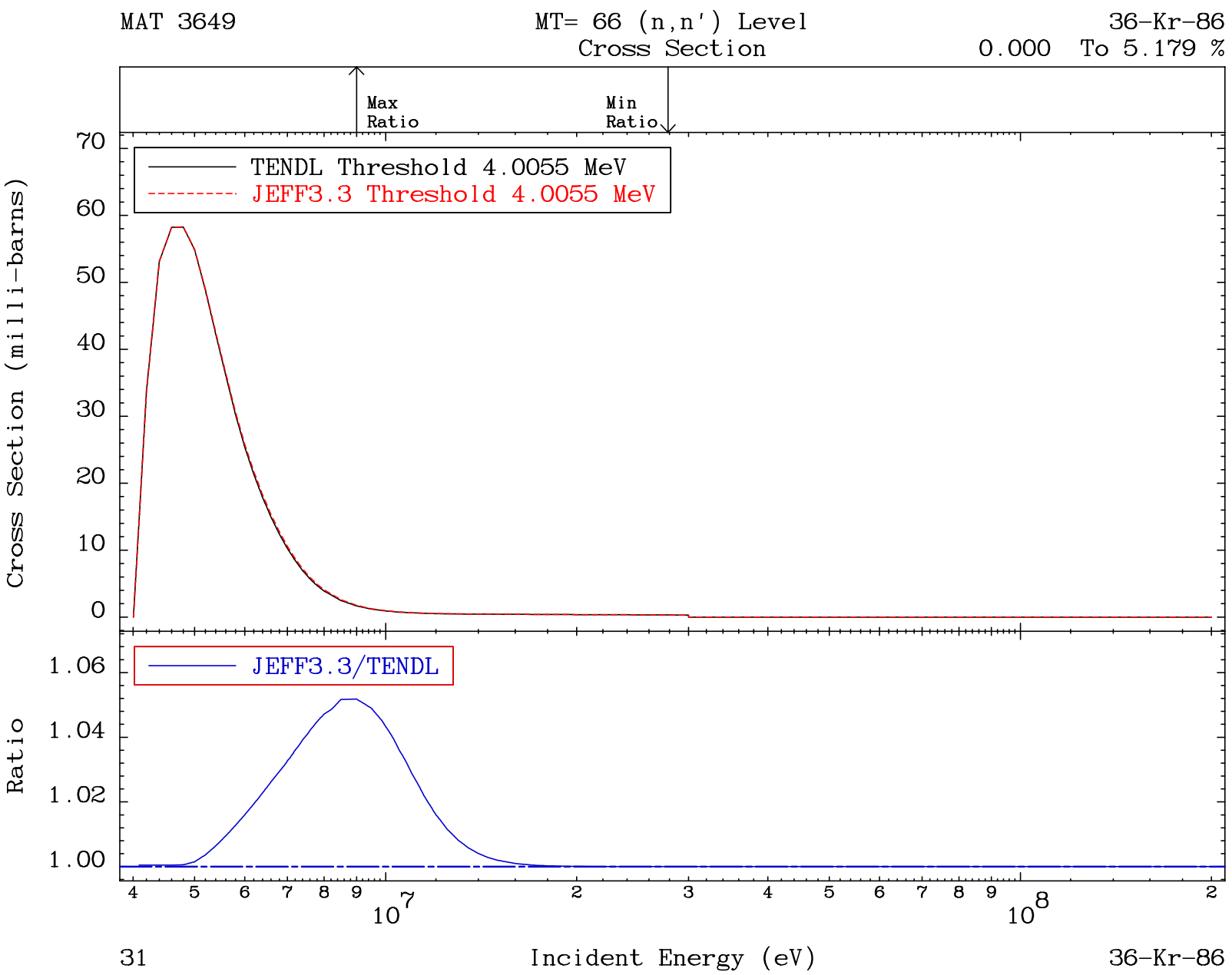

MAT 3649
MT= 61 (n,n') Level
Cross Section
36-Kr-86
0.000 To 5.312 %
Max Ratio
Min Ratio
TENDL Threshold 3.6170 MeV
JEFF3.3 Threshold 3.6170 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.06
1.04
1.02
1.00
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
26
Incident Energy (eV)
36-Kr-86

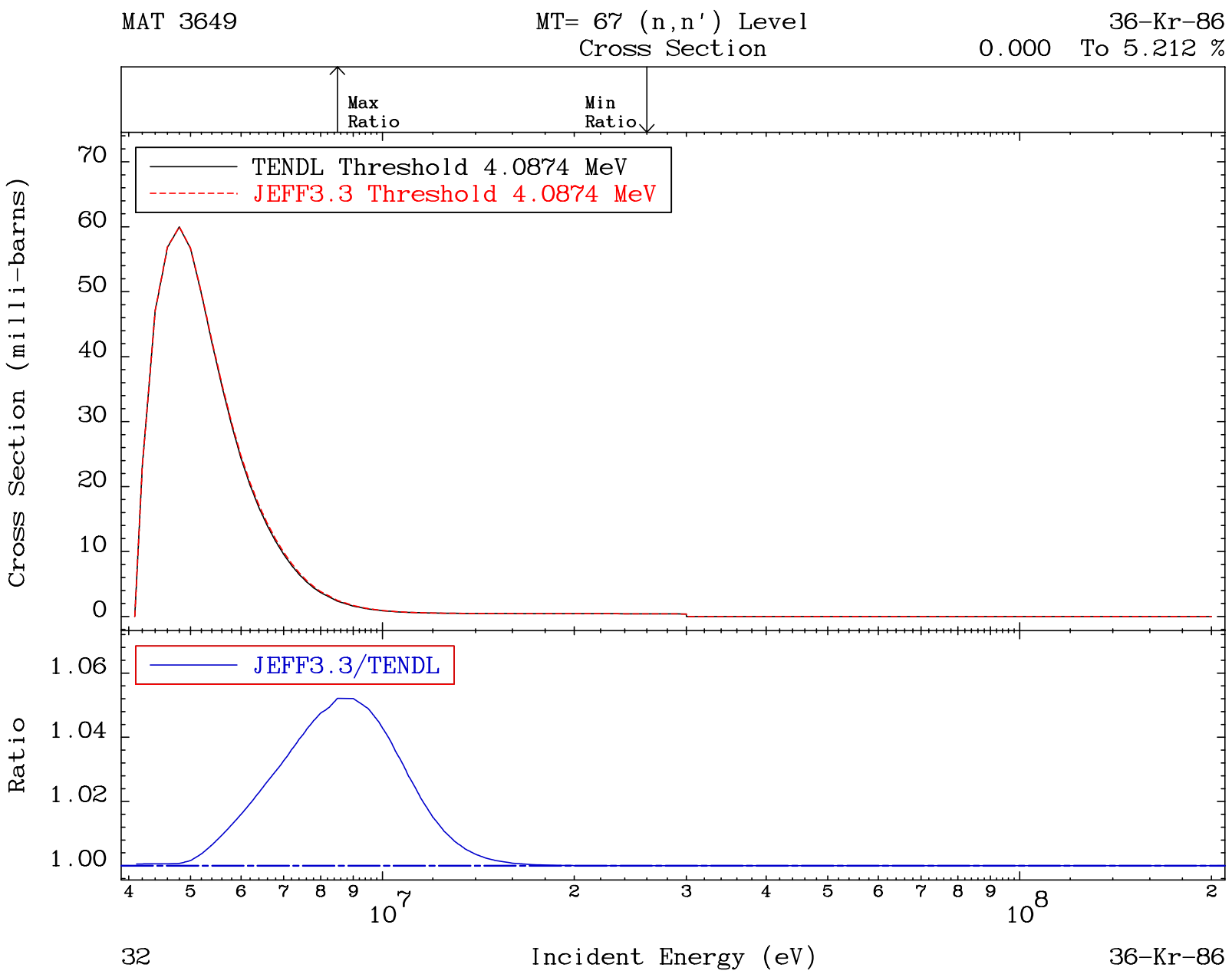

MAT 3649
MT= 62 (n,n') Level
Cross Section
36-Kr-86
0.000 To 19.48 %
Max Ratio
Min Ratio
TENDL Threshold 3.8274 MeV
JEFF3.3 Threshold 3.8274 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.2
1.1
1.0
4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
27
Incident Energy (eV)
36-Kr-86

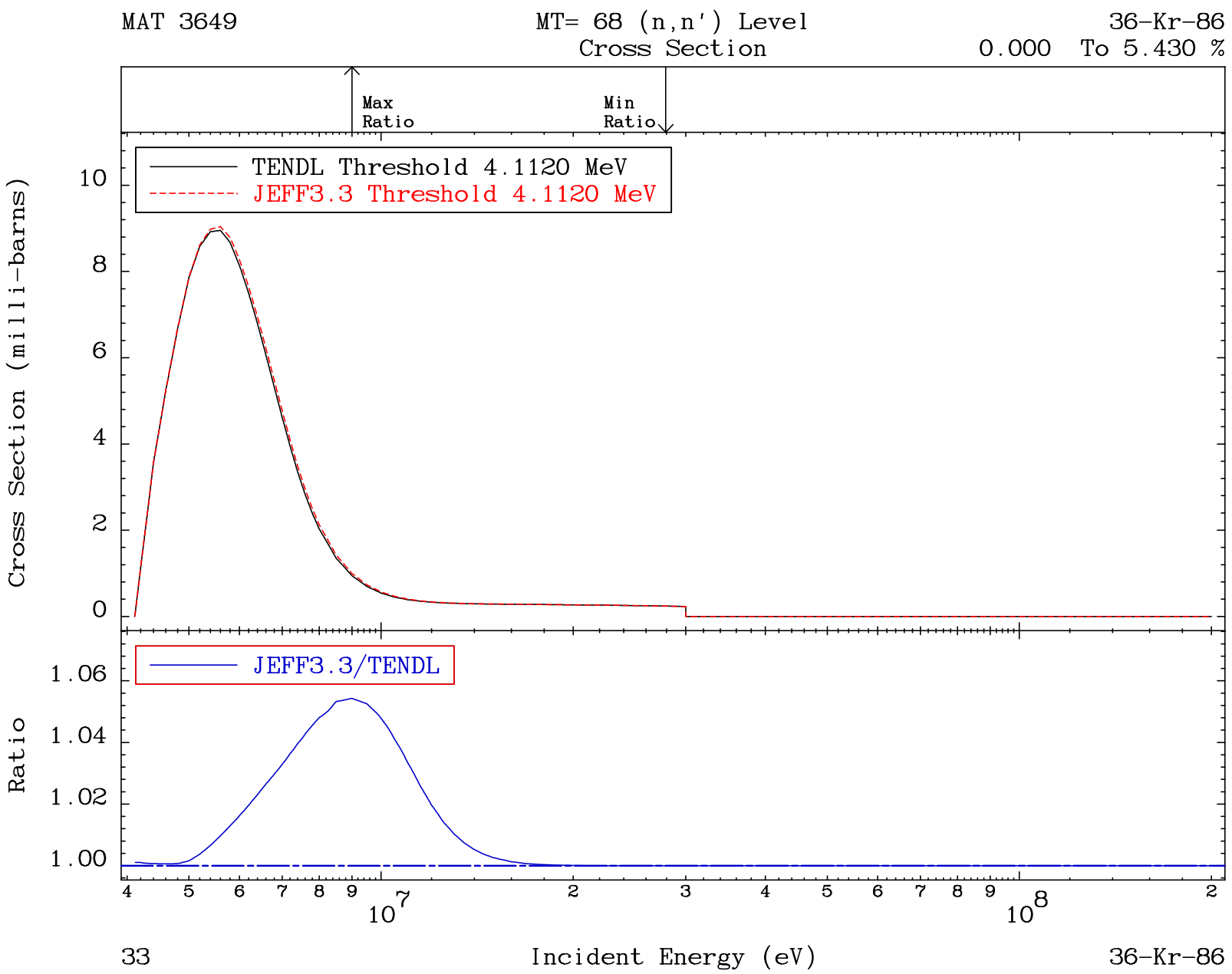

MAT 3649
MT= 63 (n,n') Level
Cross Section
36-Kr-86
0.000 To 19.48 %
Max Ratio
Min Ratio
TENDL Threshold 3.8613 MeV
JEFF3.3 Threshold 3.8613 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.2
1.1
1.0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
28
Incident Energy (eV)
36-Kr-86

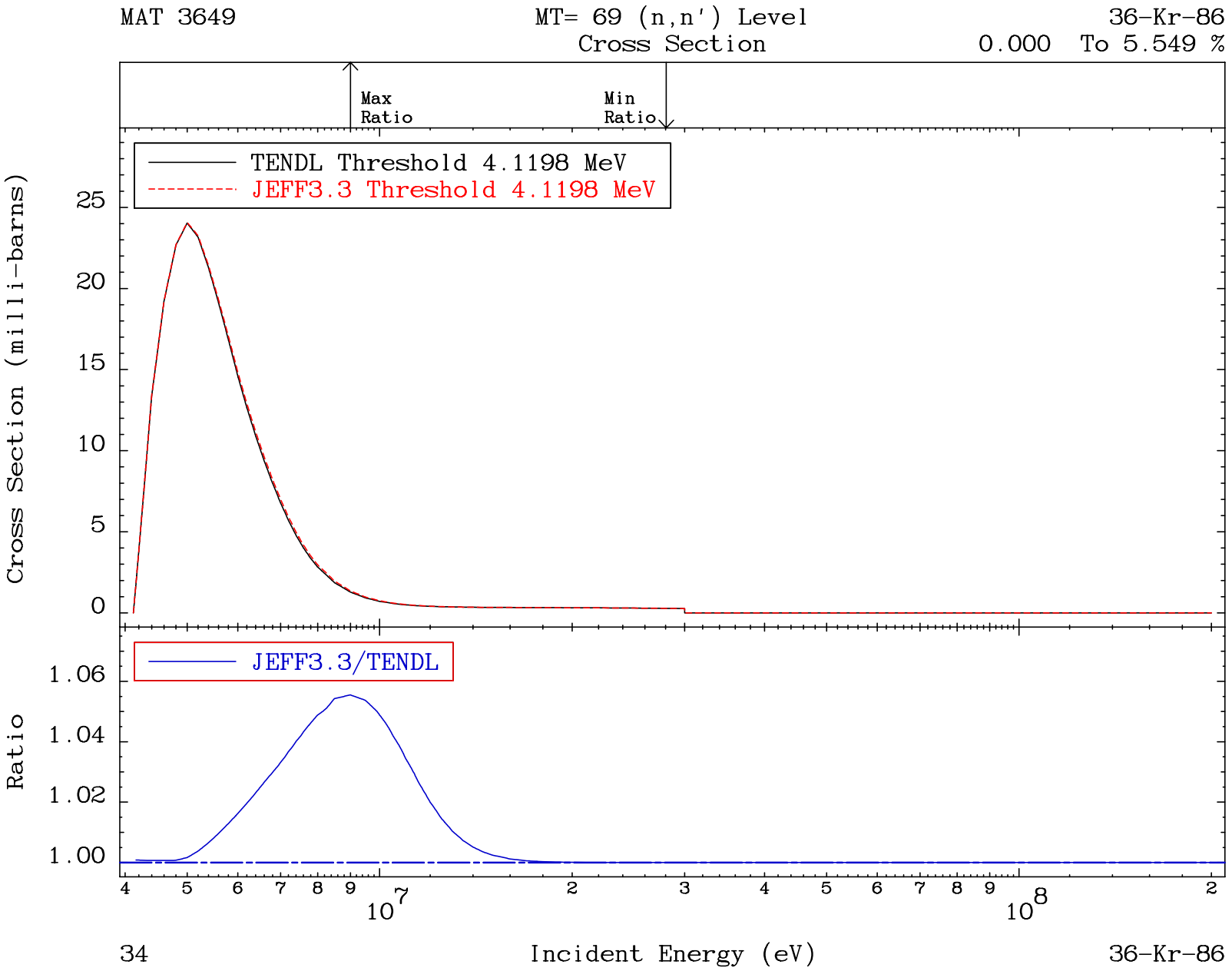

MAT 3649
MT= 64 (n,n') Level
Cross Section
36-Kr-86
0.000 To 19.49 %
Max Ratio
Min Ratio
TENDL Threshold 3.8770 MeV
JEFF3.3 Threshold 3.8770 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.2
1.1
1.0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
29
Incident Energy (eV)
36-Kr-86

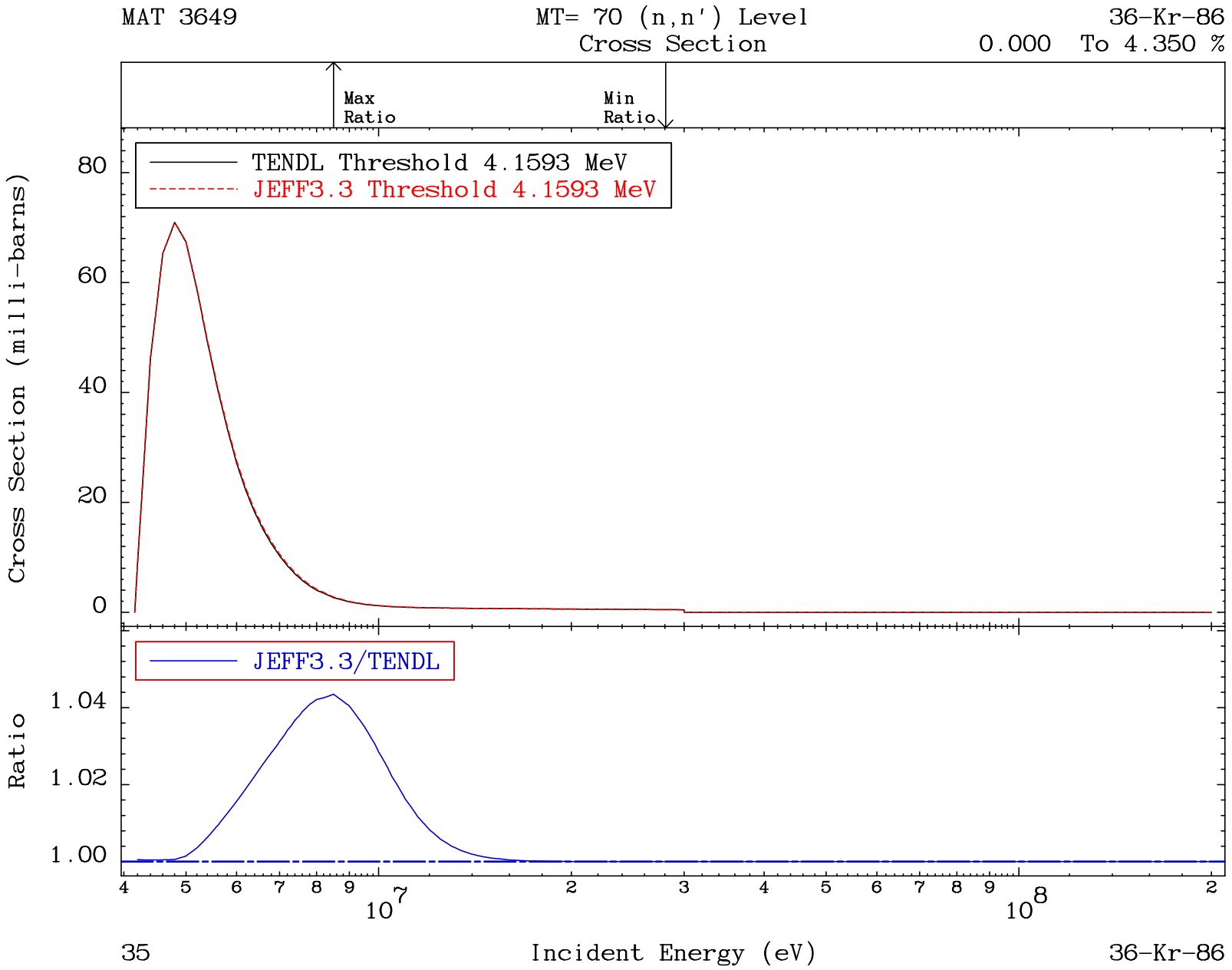

MAT 3649
MT= 65 (n,n') Level
Cross Section
36-Kr-86
0.000 To 19.48 %
Max Ratio
Min Ratio
TENDL Threshold 3.9815 MeV
JEFF3.3 Threshold 3.9815 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.2
1.1
1.0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
30
Incident Energy (eV)
36-Kr-86

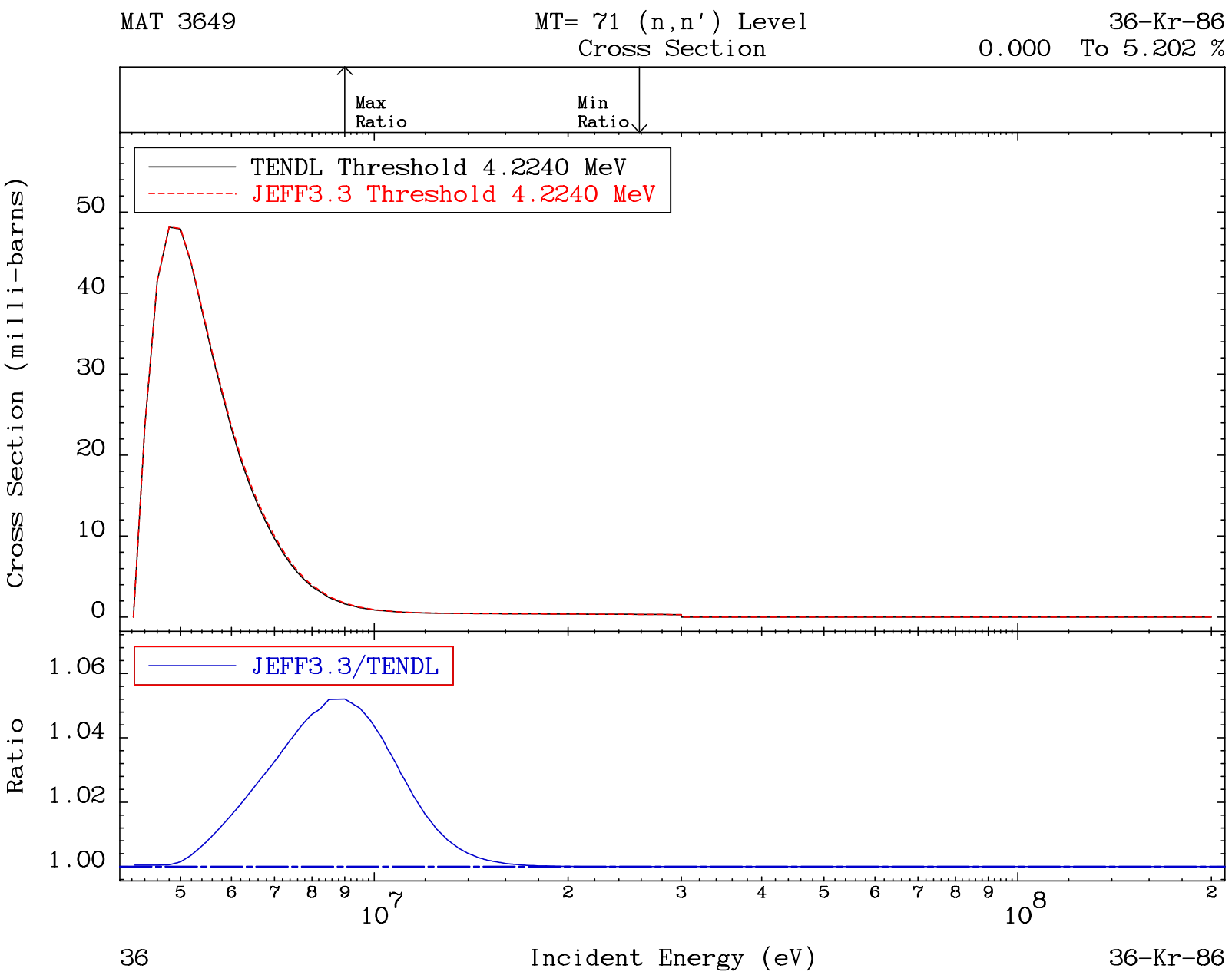

MAT 3649
MT= 66 (n,n') Level
Cross Section
36-Kr-86
0.000 To 5.179 %
Max Ratio
Min Ratio
TENDL Threshold 4.0055 MeV
JEFF3.3 Threshold 4.0055 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.06
1.04
1.02
1.00
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
31
Incident Energy (eV)
36-Kr-86

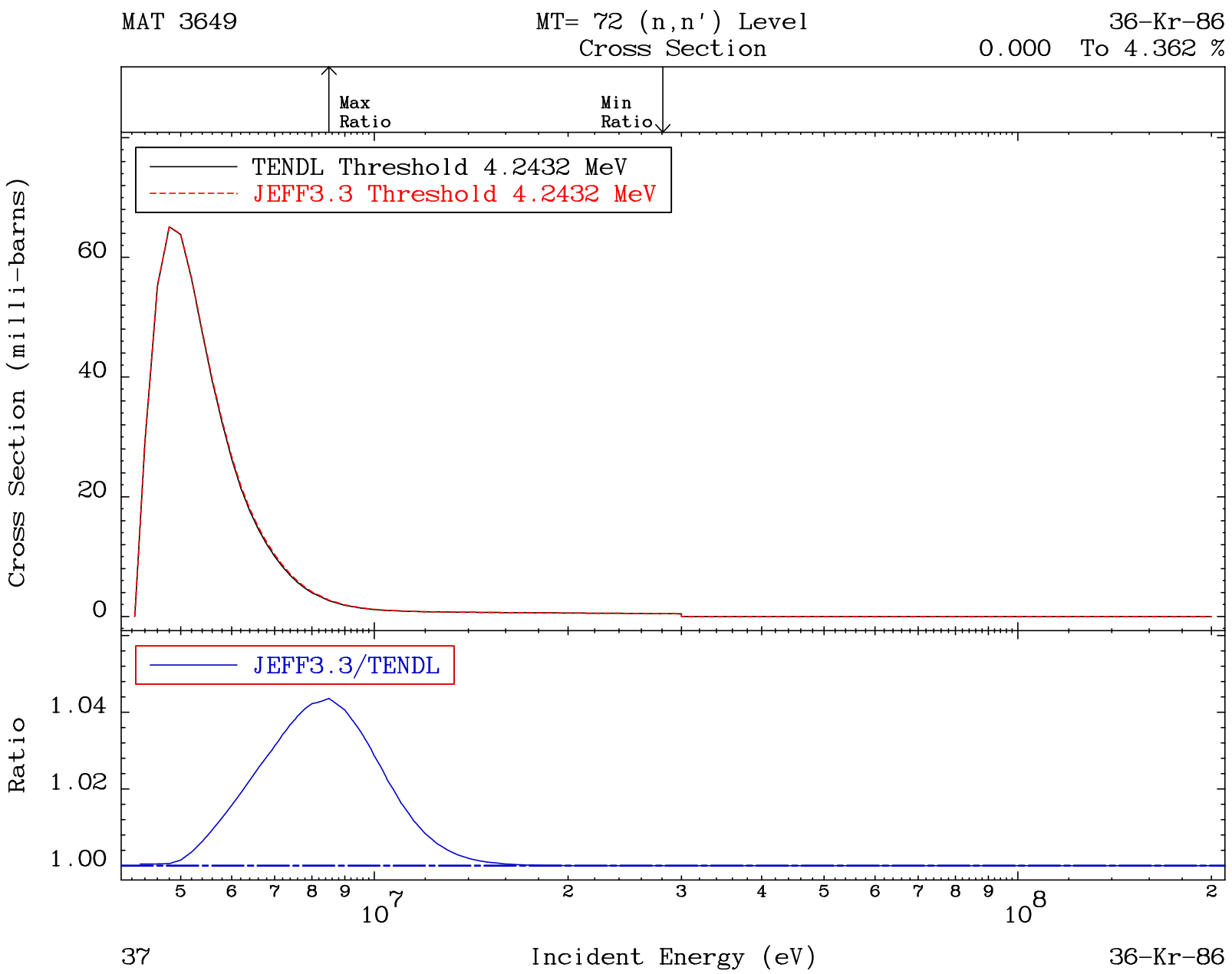

MAT 3649
MT= 67 (n,n') Level
Cross Section
36-Kr-86
0.000 To 5.212 %
Max Ratio
Min Ratio
TENDL Threshold 4.0874 MeV
JEFF3.3 Threshold 4.0874 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.06
1.04
1.02
1.00
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
32
Incident Energy (eV)
36-Kr-86

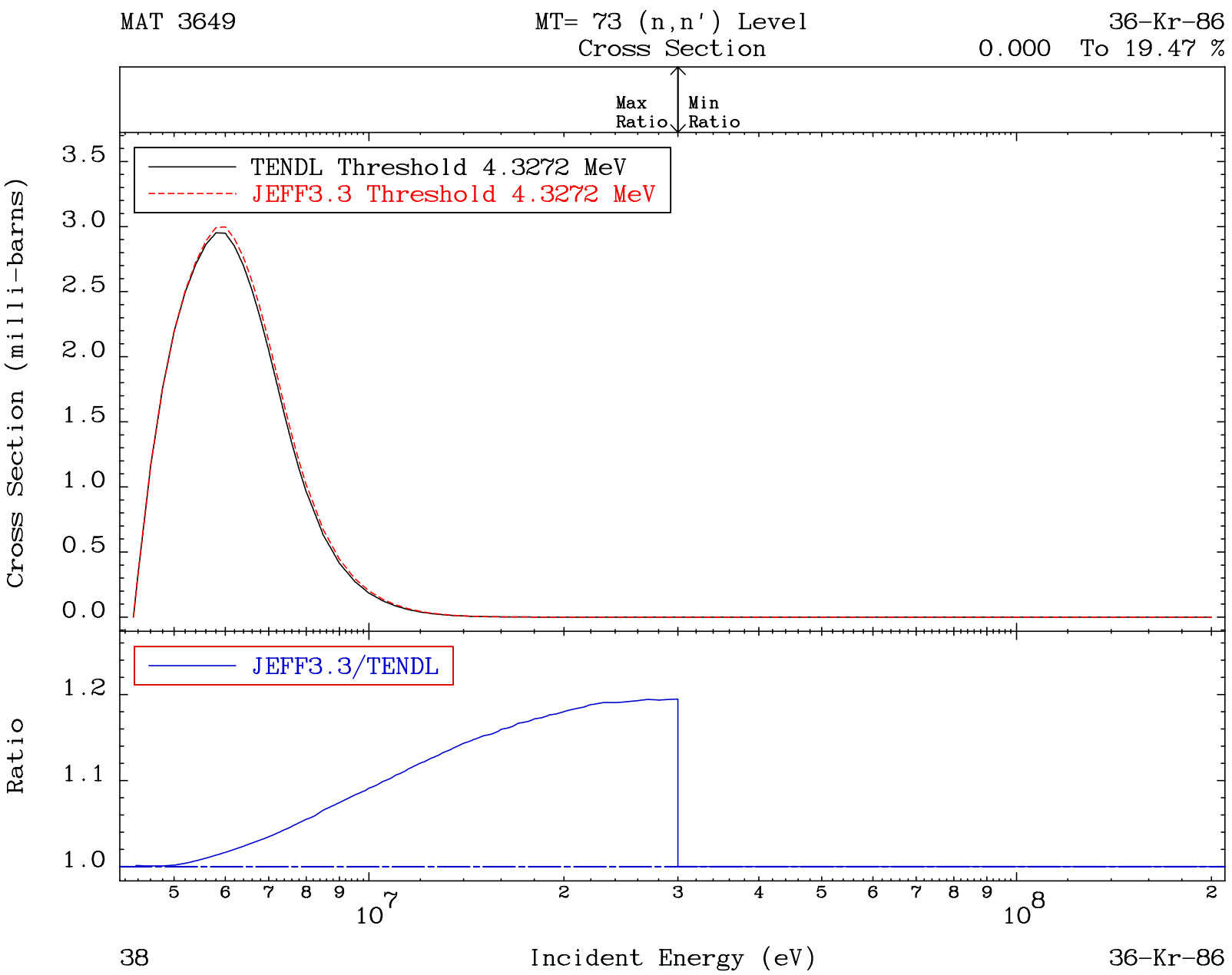

MAT 3649
MT= 68 (n,n') Level
Cross Section
36-Kr-86
0.000 To 5.430 %
Max Ratio
Min Ratio
TENDL Threshold 4.1120 MeV
JEFF3.3 Threshold 4.1120 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
33
36-Kr-86

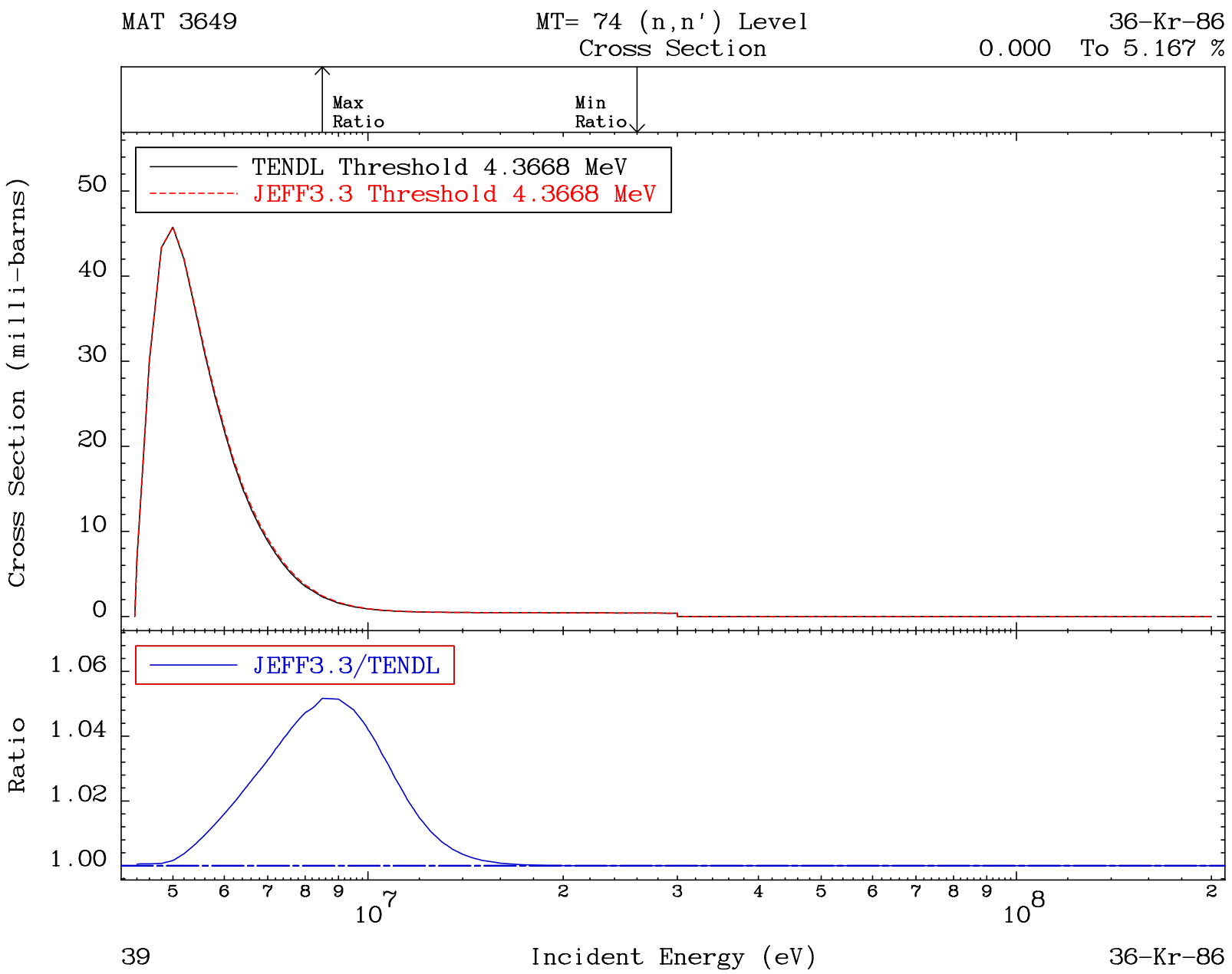

MAT 3649
MT= 69 (n,n') Level
Cross Section
36-Kr-86
0.000 To 5.549 %
Max Ratio
Min Ratio
TENDL Threshold 4.1198 MeV
JEFF3.3 Threshold 4.1198 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.06
1.04
1.02
1.00
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
34
Incident Energy (eV)
36-Kr-86

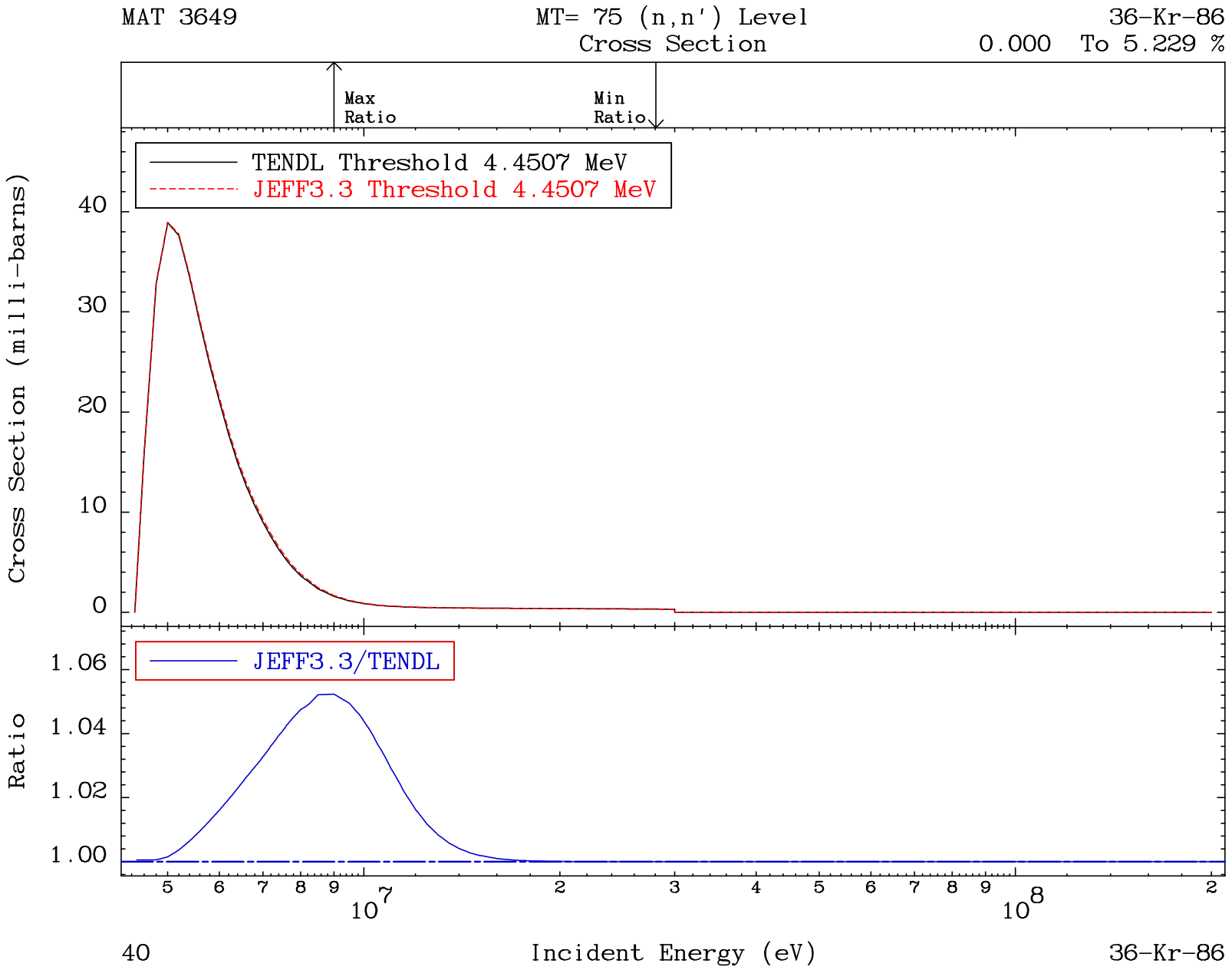

MAT 3649
MT= 70 (n,n') Level
Cross Section
36-Kr-86
0.000 To 4.350 %
Max Ratio
Min Ratio
TENDL Threshold 4.1593 MeV
JEFF3.3 Threshold 4.1593 MeV
Cross Section (milli-barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.04
1.02
1.00
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
35
Incident Energy (eV)
36-Kr-86

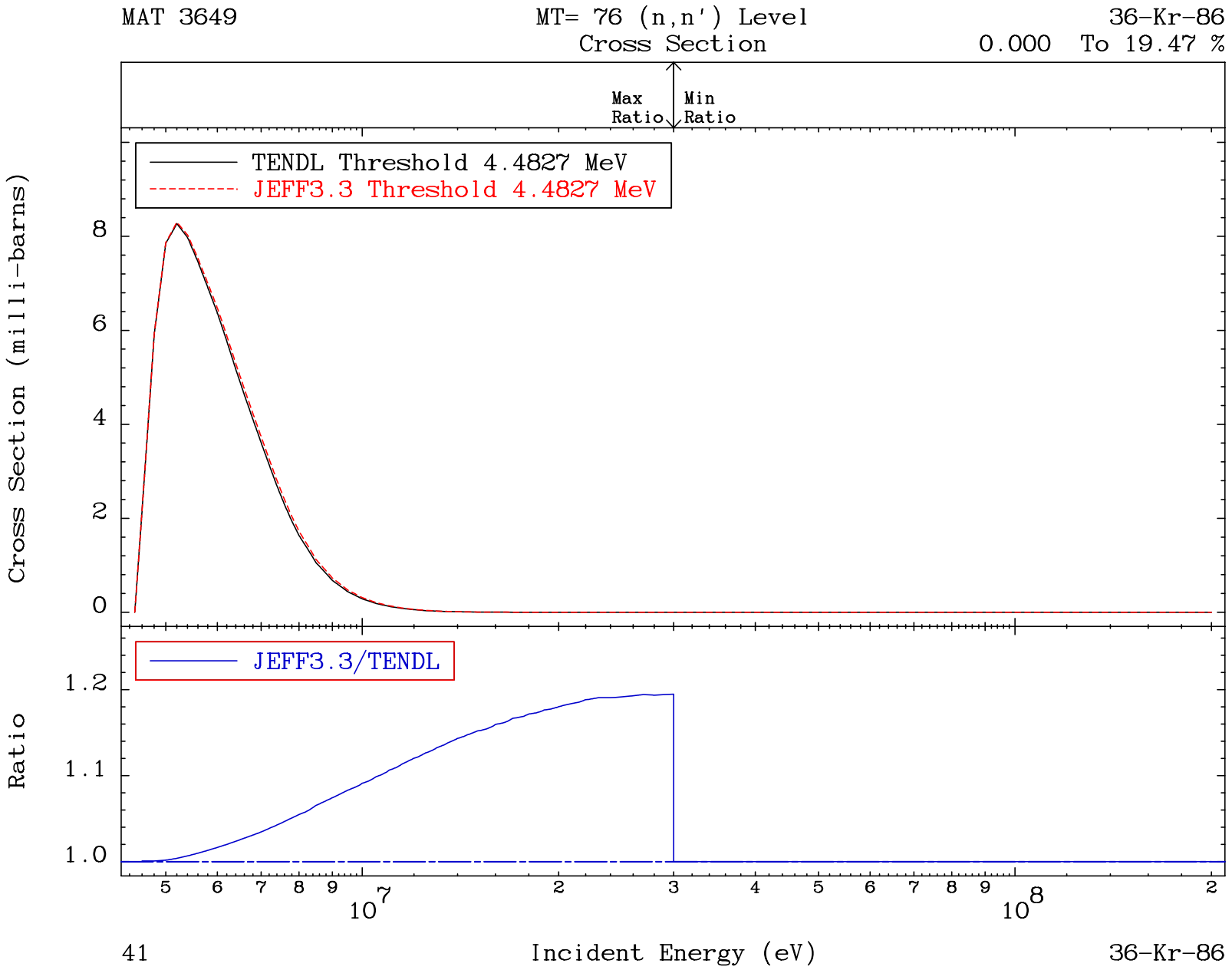

MAT 3649
MT= 71 (n,n') Level
Cross Section
36-Kr-86
0.000 To 5.202 %
Max Ratio
Min Ratio
TENDL Threshold 4.2240 MeV
JEFF3.3 Threshold 4.2240 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.06
1.04
1.02
1.00
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
36
Incident Energy (eV)
36-Kr-86

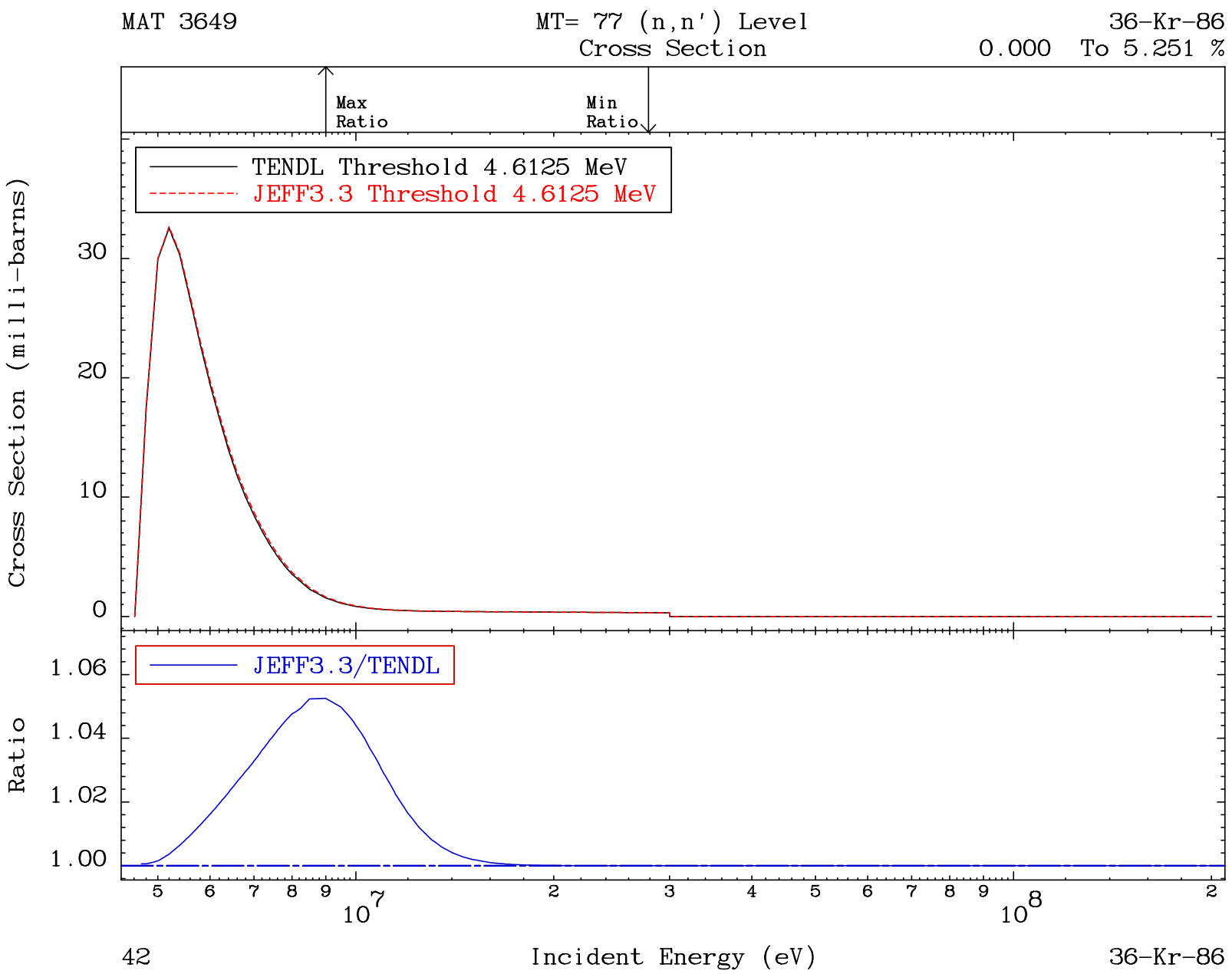

MAT 3649
MT= 72 (n,n') Level
Cross Section
36-Kr-86
0.000 To 4.362 %
Max Ratio
Min Ratio
TENDL Threshold 4.2432 MeV
JEFF3.3 Threshold 4.2432 MeV
Cross Section (milli-barns)
60
40
20
0
JEFF3.3/TENDL
Ratio
1.04
1.02
1.00
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
37
Incident Energy (eV)
36-Kr-86

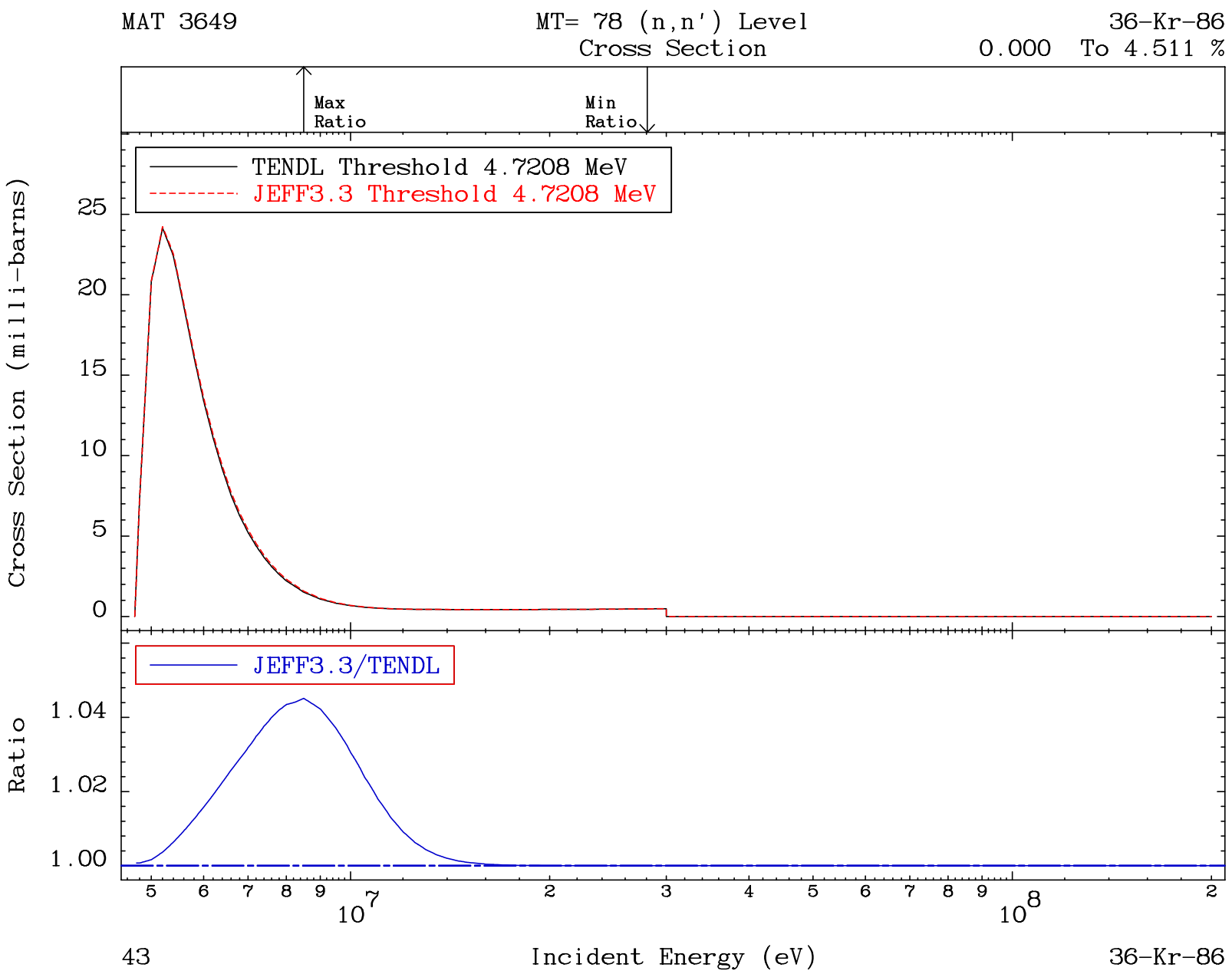

MAT 3649
MT= 73 (n,n') Level
Cross Section
36-Kr-86
0.000 To 19.47 %
Max Ratio
Min Ratio
TENDL Threshold 4.3272 MeV
JEFF3.3 Threshold 4.3272 MeV
Cross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.2
1.1
1.0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
38
Incident Energy (eV)
36-Kr-86

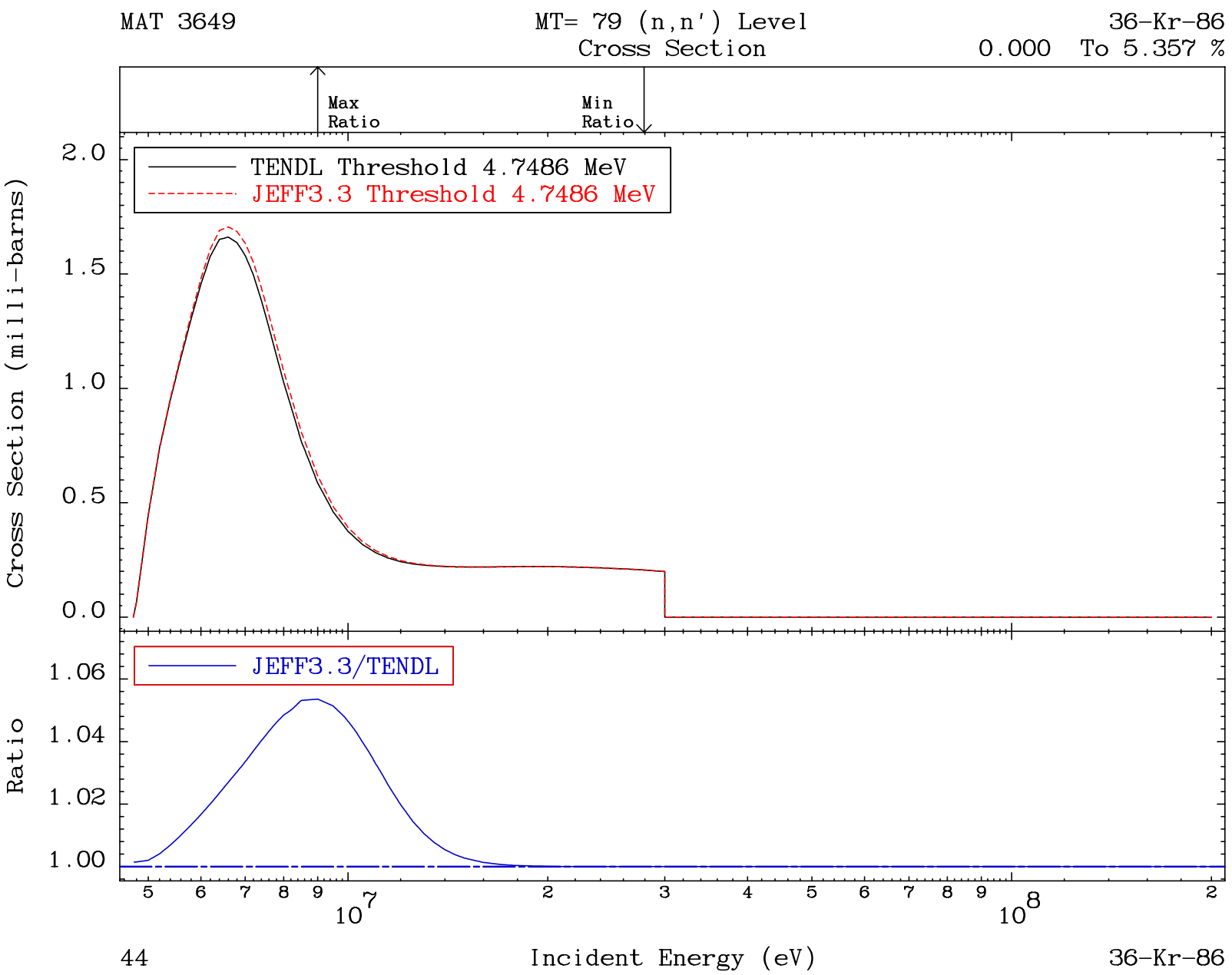

MAT 3649
MT= 74 (n,n') Level
Cross Section
36-Kr-86
0.000 To 5.167 %
Max Ratio
Min Ratio
TENDL Threshold 4.3668 MeV
JEFF3.3 Threshold 4.3668 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.06
1.04
1.02
1.00
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
39
Incident Energy (eV)
36-Kr-86

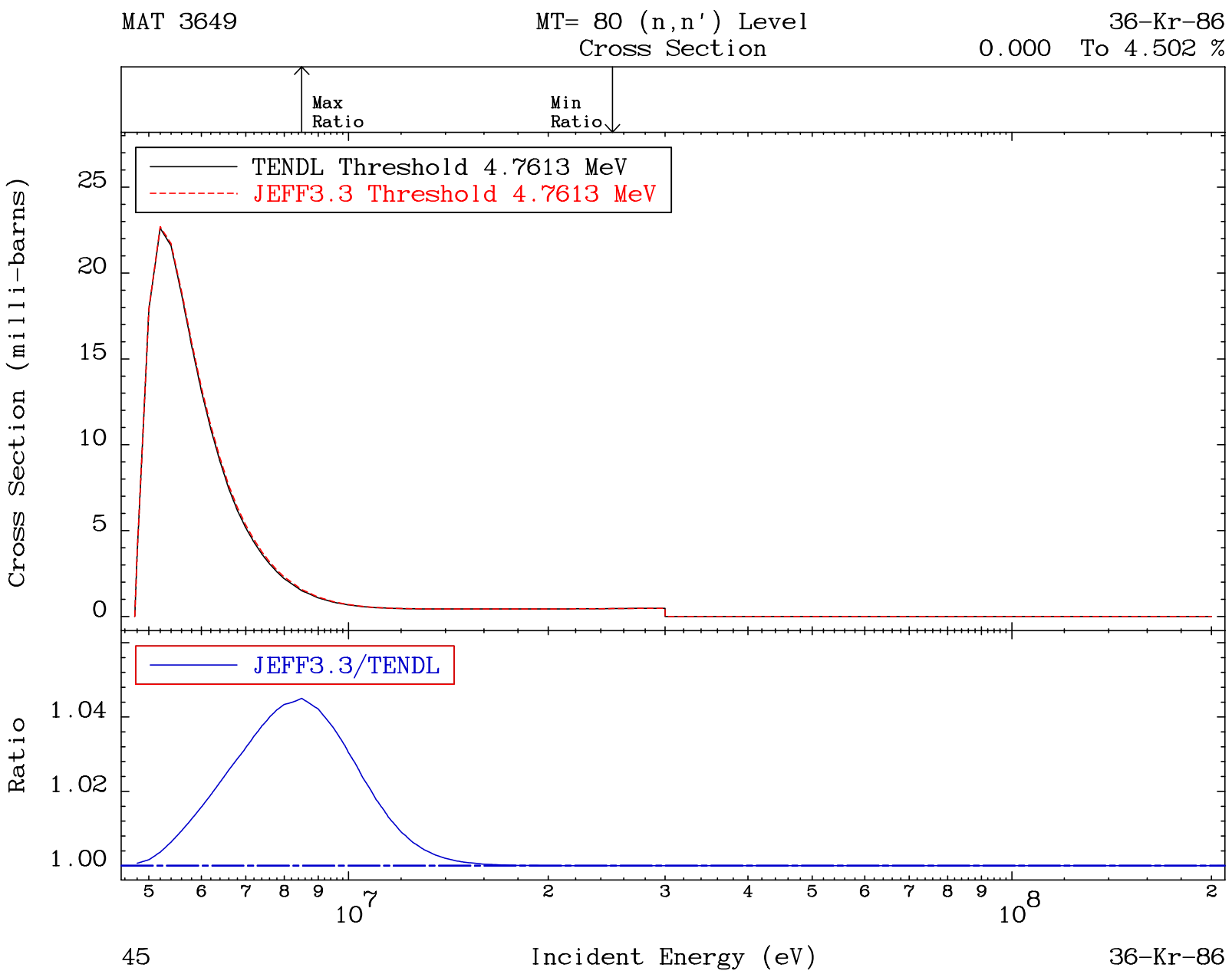

MAT 3649
MT= 75 (n,n') Level
Cross Section
36-Kr-86
0.000 To 5.229 %
Max Ratio
Min Ratio
TENDL Threshold 4.4507 MeV
JEFF3.3 Threshold 4.4507 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.06
1.04
1.02
1.00
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
40
Incident Energy (eV)
36-Kr-86

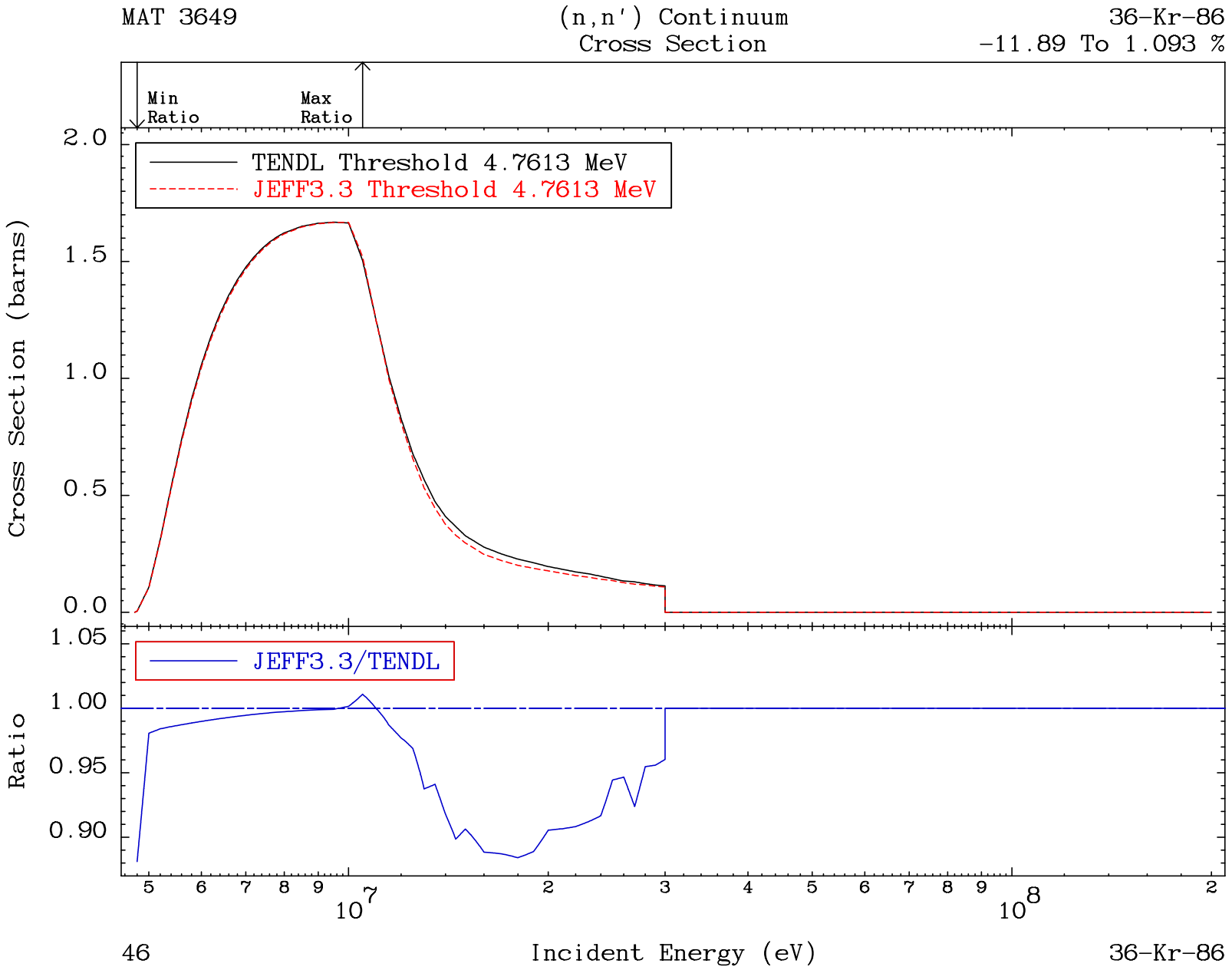

MAT 3649
MT= 76 (n,n') Level
Cross Section
36-Kr-86
0.000 To 19.47 %
Max Ratio
Min Ratio
TENDL Threshold 4.4827 MeV
JEFF3.3 Threshold 4.4827 MeV
Cross Section (milli-barns)
0
2
4
6
8
JEFF3.3/TENDL
Ratio
1.0
1.1
1.2
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
41
Incident Energy (eV)
36-Kr-86

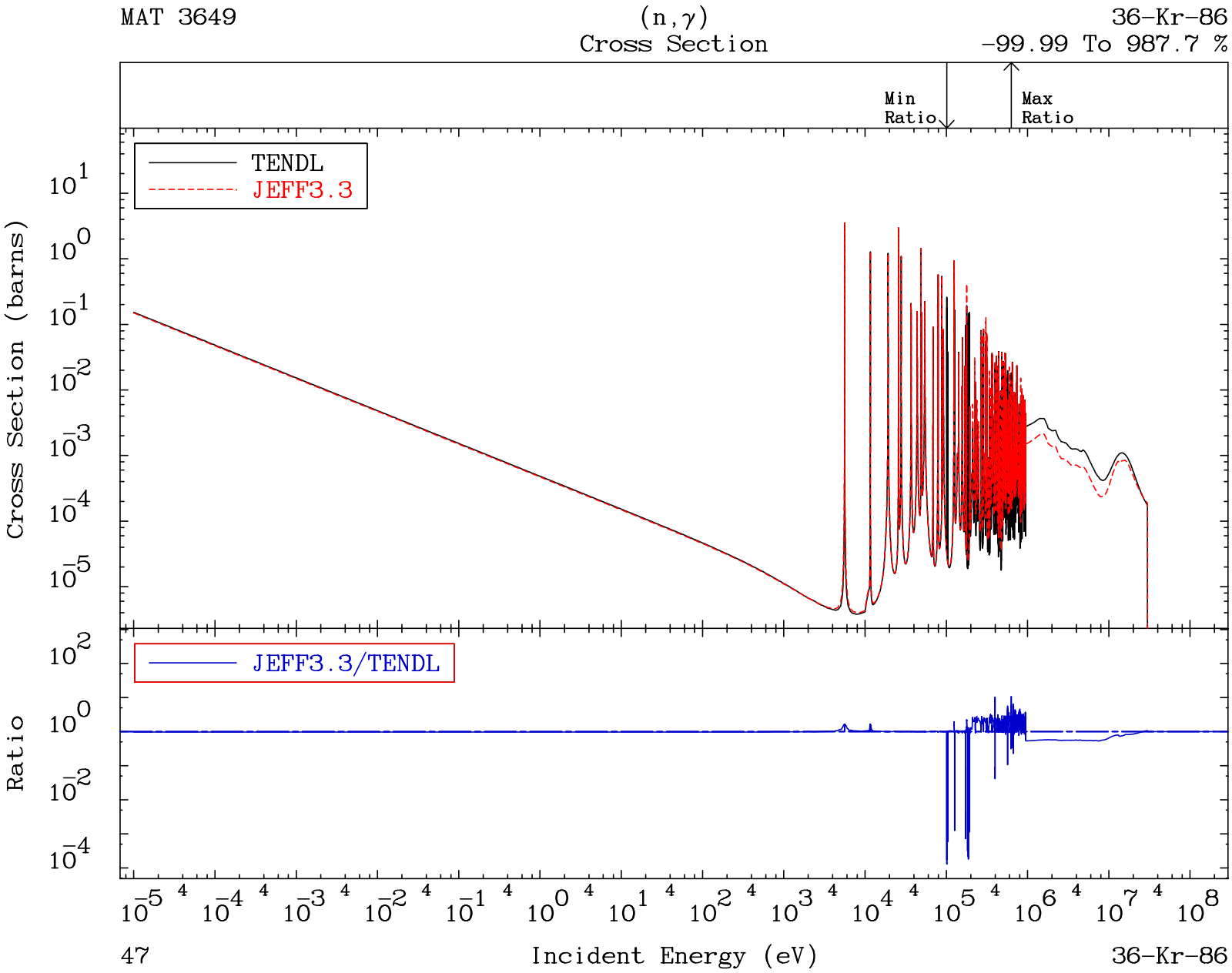

MAT 3649
MT= 77 (n,n') Level
Cross Section
36-Kr-86
0.000 To 5.251 %
Max Ratio
Min Ratio
TENDL Threshold 4.6125 MeV
JEFF3.3 Threshold 4.6125 MeV
Cross Section (milli-barns)
30
20
10
0
JEFF3.3/TENDL
Ratio
1.06
1.04
1.02
1.00
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
42
Incident Energy (eV)
36-Kr-86

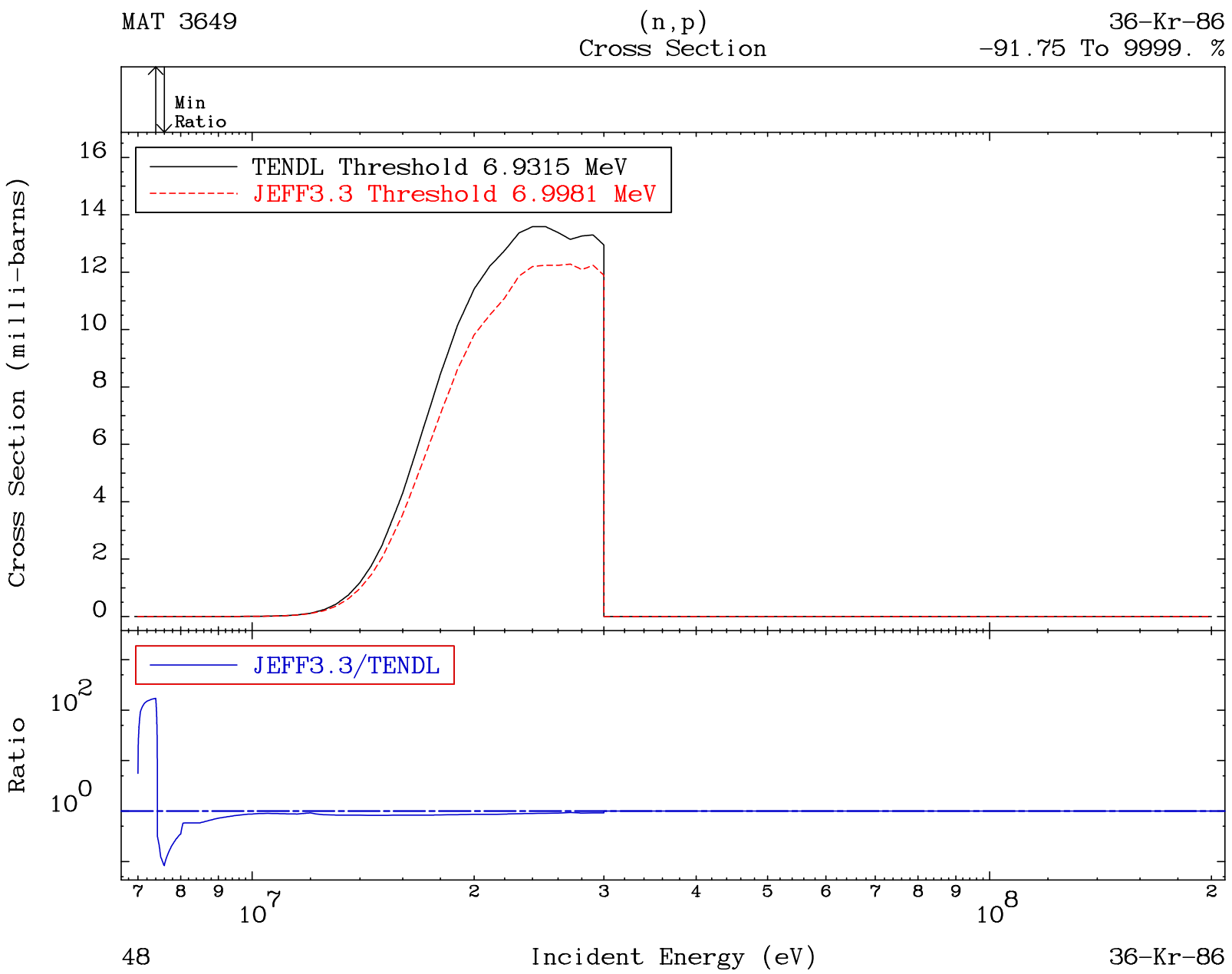

MAT 3649
MT= 78 (n,n') Level
Cross Section
36-Kr-86
0.000 To 4.511 %
Max Ratio
Min Ratio
TENDL Threshold 4.7208 MeV
JEFF3.3 Threshold 4.7208 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.04
1.02
1.00
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
43
Incident Energy (eV)
36-Kr-86

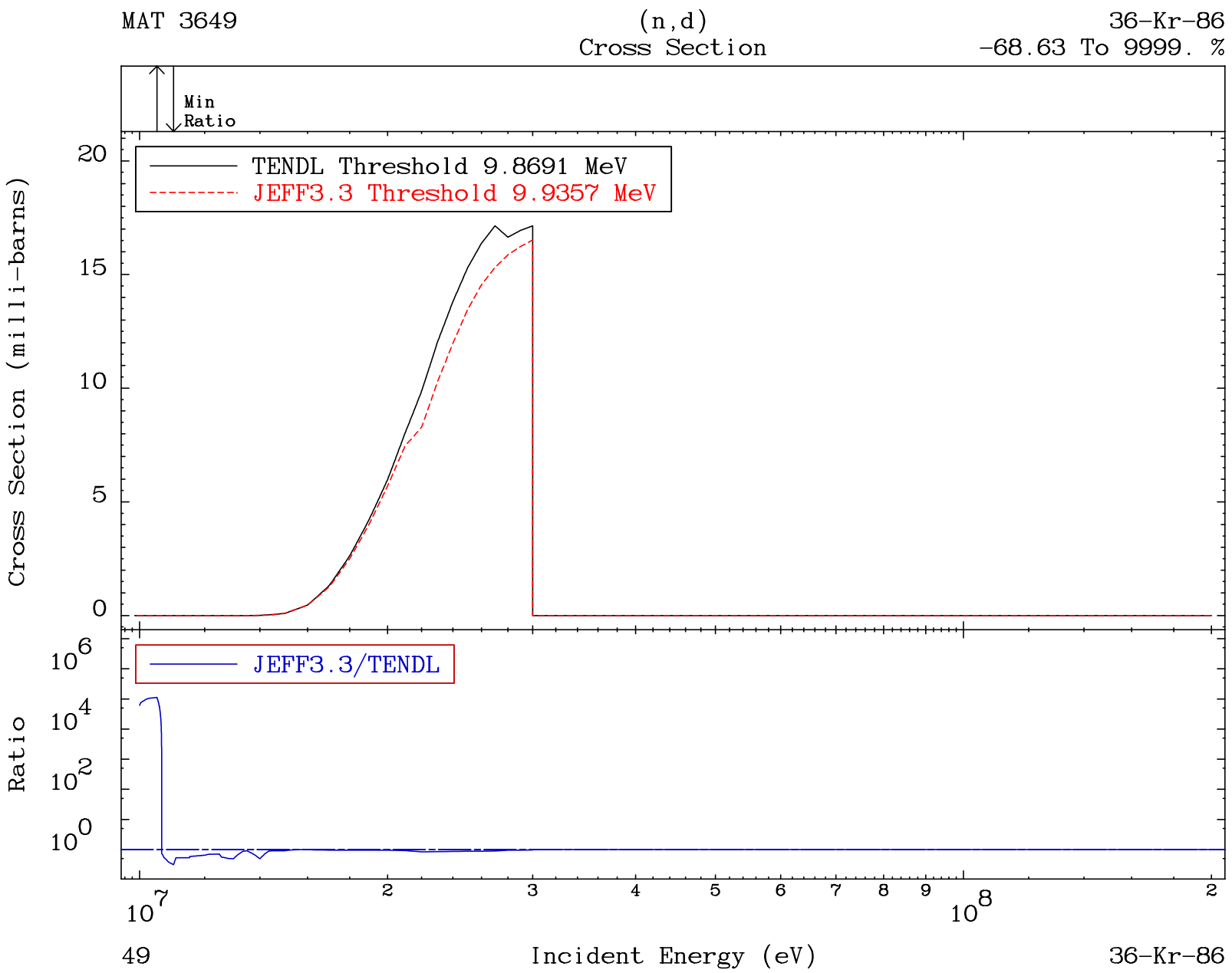

MAT 3649
MT= 79 (n,n') Level
Cross Section
36-Kr-86
0.000 To 5.357 %
Max Ratio
Min Ratio
TENDL Threshold 4.7486 MeV
JEFF3.3 Threshold 4.7486 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.06
1.04
1.02
1.00
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
44
Incident Energy (eV)
36-Kr-86

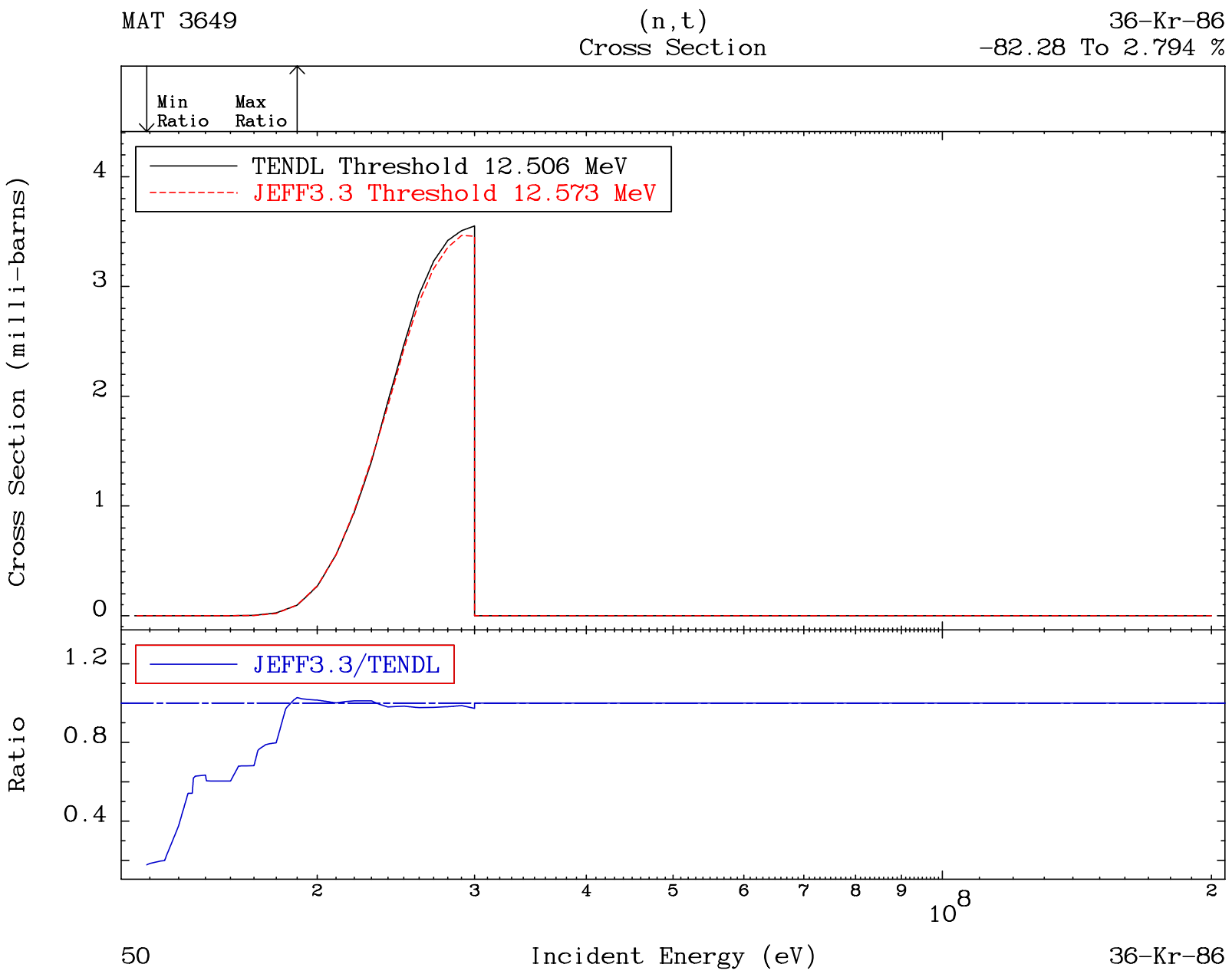

MAT 3649
MT= 80 (n,n') Level
Cross Section
36-Kr-86
0.000 To 4.502 %
Max Ratio
Min Ratio
TENDL Threshold 4.7613 MeV
JEFF3.3 Threshold 4.7613 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.04
1.02
1.00
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
45
Incident Energy (eV)
36-Kr-86

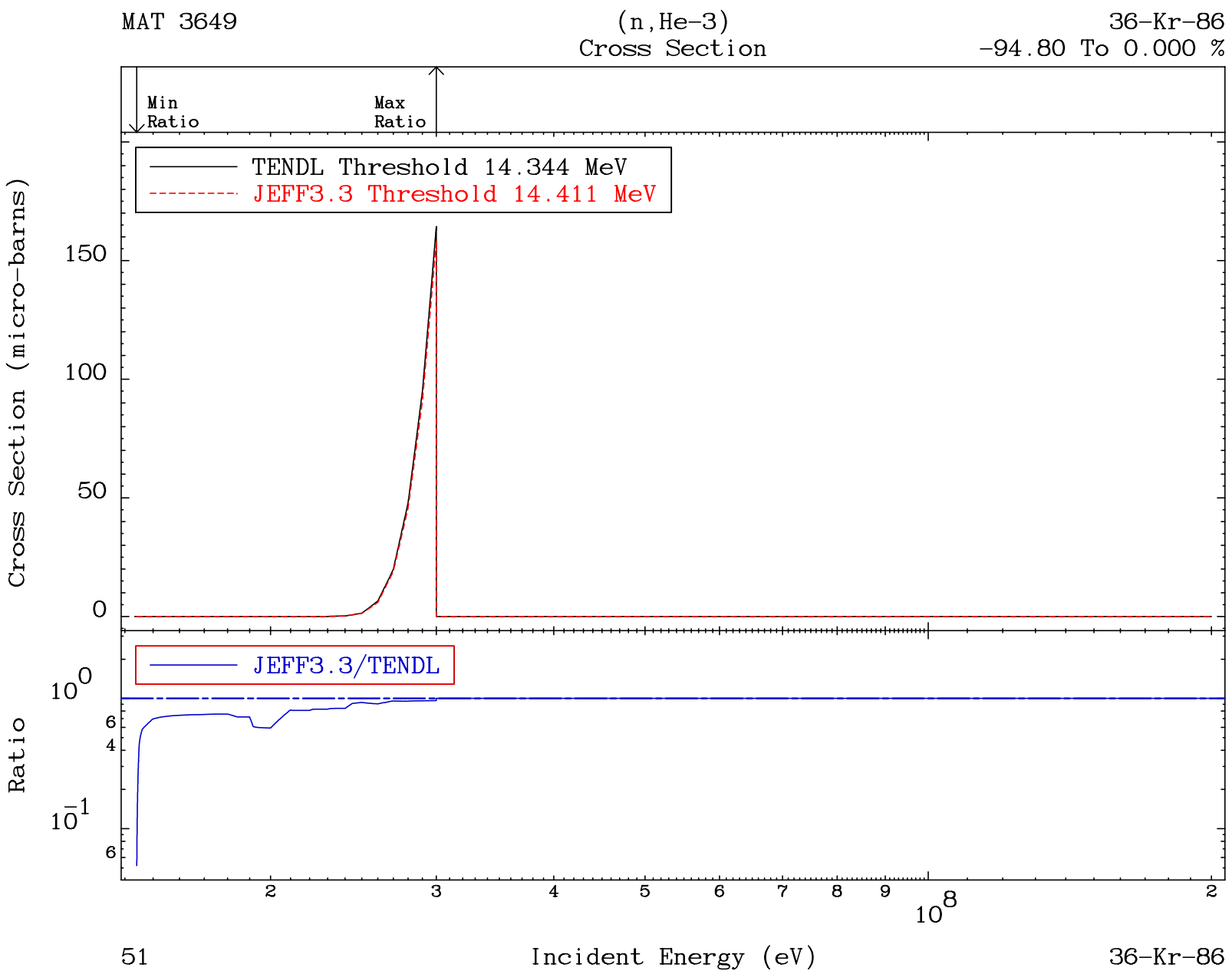

MAT 3649
(n,n') Continuum
Cross Section
36-Kr-86
-11.89 To 1.093 %
Min Ratio
Max Ratio
TENDL Threshold 4.7613 MeV
JEFF3.3 Threshold 4.7613 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.05
1.00
0.95
0.90
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
46
Incident Energy (eV)
36-Kr-86

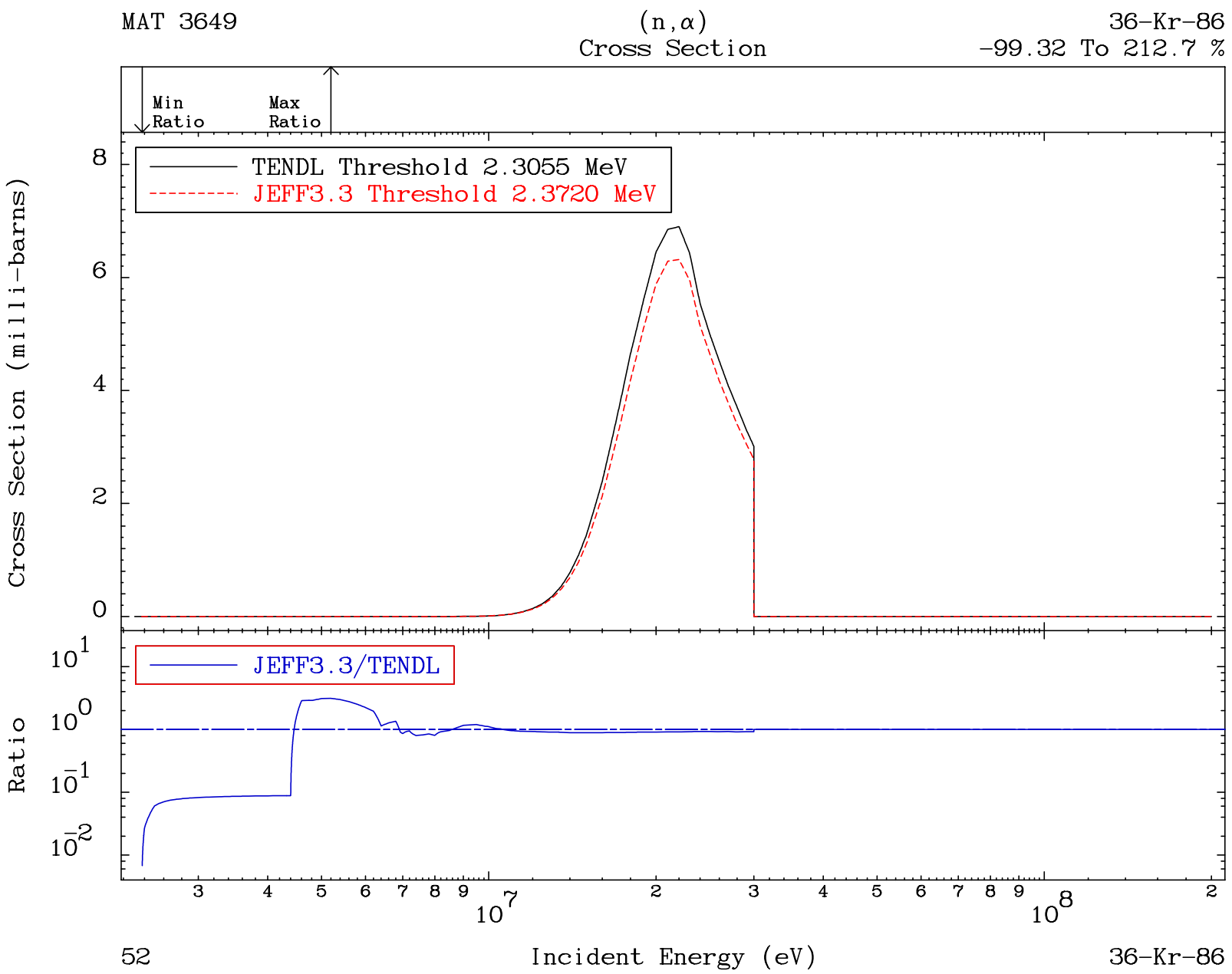

MAT 3649
(n,γ)
Cross Section
36-Kr-86
-99.99 To 987.7 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
47
36-Kr-86

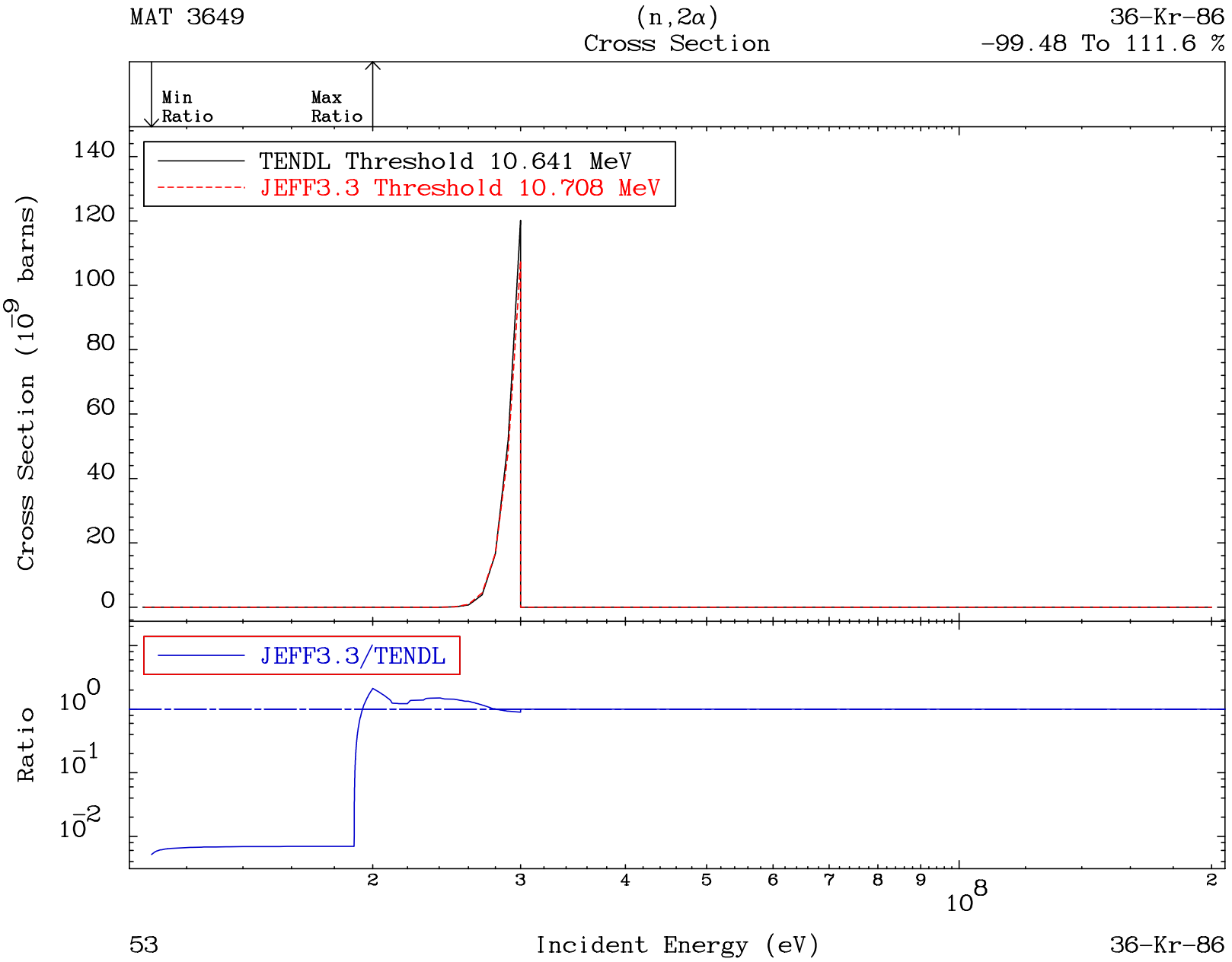

MAT 3649
(n,p)
Cross Section
36-Kr-86
-91.75 To 9999. %
Min
Ratio
TENDL Threshold 6.9315 MeV
JEFF3.3 Threshold 6.9981 MeV
Cross Section (milli-barns)
16
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
10^2
10^0
7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
48
Incident Energy (eV)
36-Kr-86

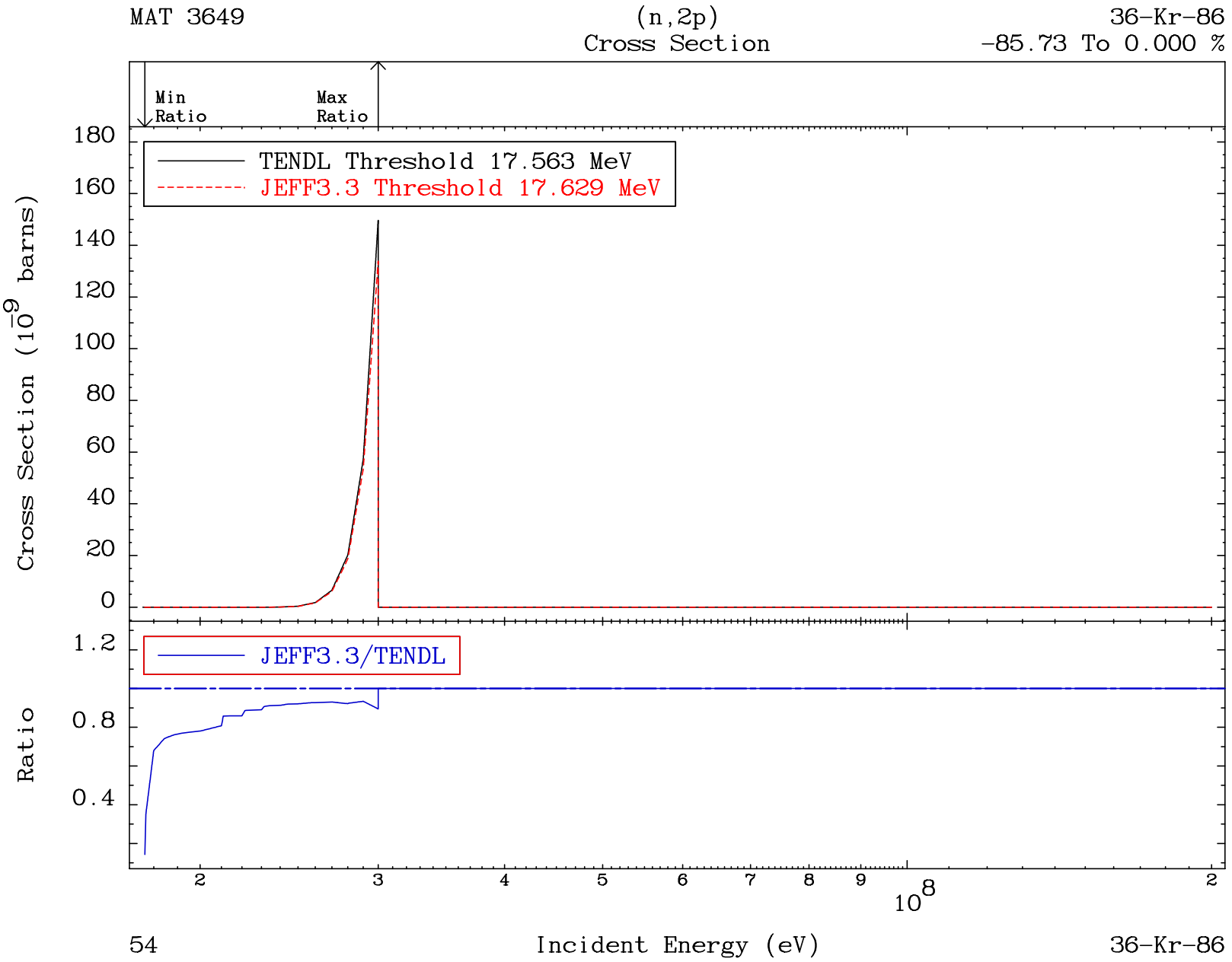

MAT 3649
(n,d)
Cross Section
36-Kr-86
-68.63 To 9999. %
Min
Ratio
TENDL Threshold 9.8691 MeV
JEFF3.3 Threshold 9.9357 MeV
Cross Section (milli-barns)
20
15
10
5
0
JEFF3.3/TENDL
Ratio
10^6
10^4
10^2
10^0
10^7
2
3
4
5
6
7
8
9
10^8
2
49
Incident Energy (eV)
36-Kr-86

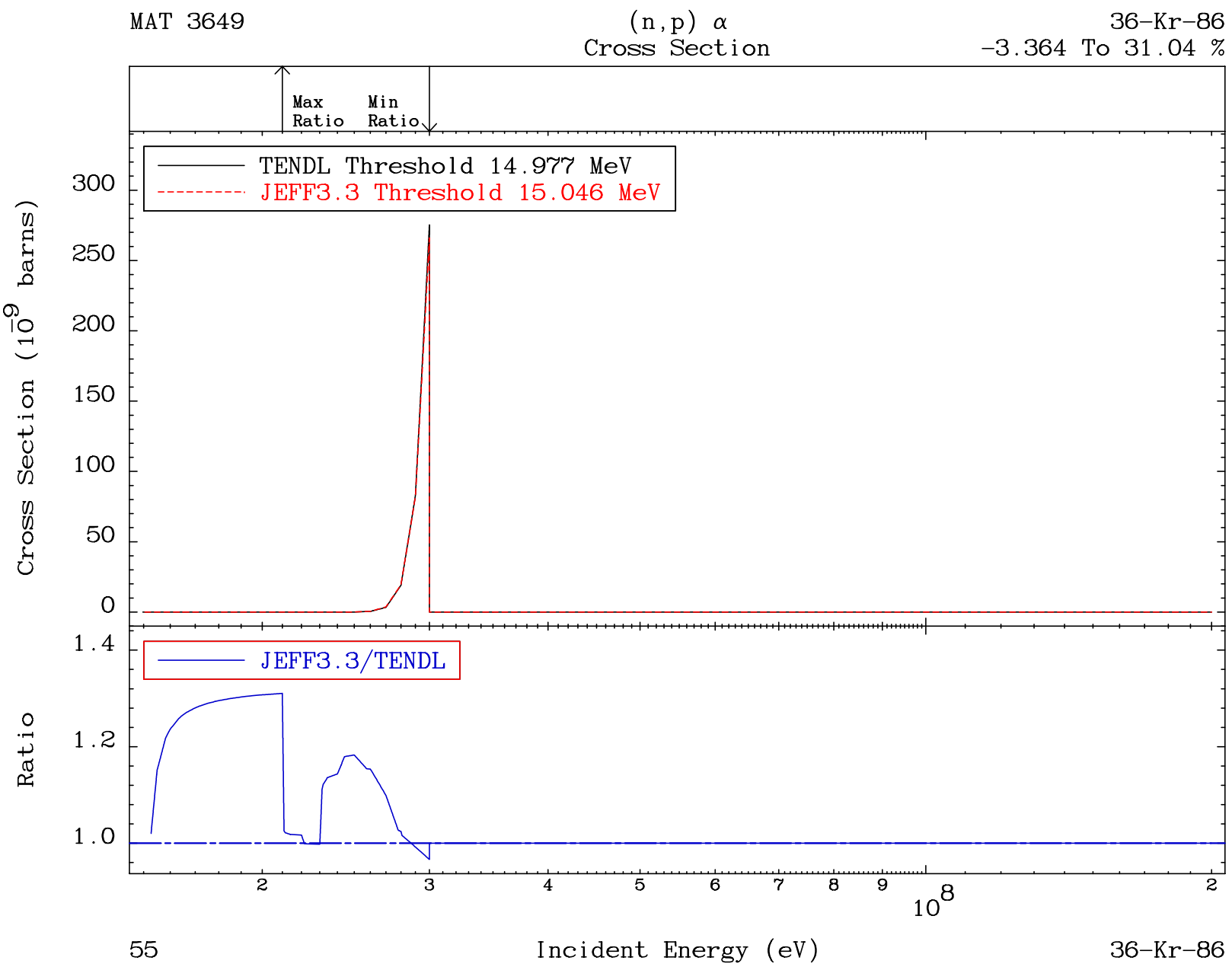

MAT 3649
(n,t)
Cross Section
36-Kr-86
-82.28 To 2.794 %
Min Ratio
Max Ratio
TENDL Threshold 12.506 MeV
JEFF3.3 Threshold 12.573 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
50
36-Kr-86

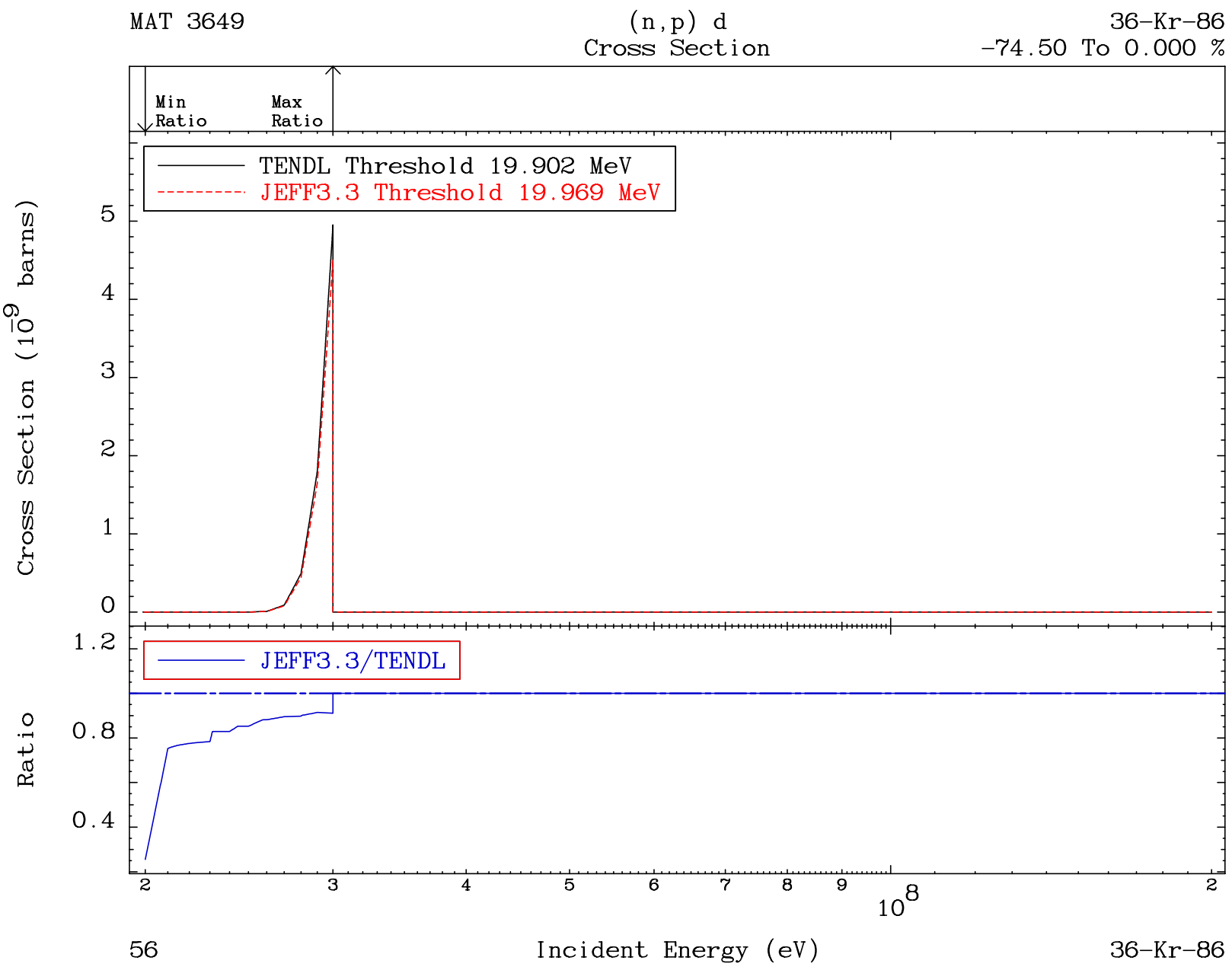

MAT 3649
(n,He-3)
Cross Section
36-Kr-86
-94.80 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 14.344 MeV
JEFF3.3 Threshold 14.411 MeV
Cross Section (micro-barns)
150
100
50
0
JEFF3.3/TENDL
Ratio
10^0
6
4
10^-1
6
2
3
4
5
6
7
8
9
10^8
2
51
Incident Energy (eV)
36-Kr-86

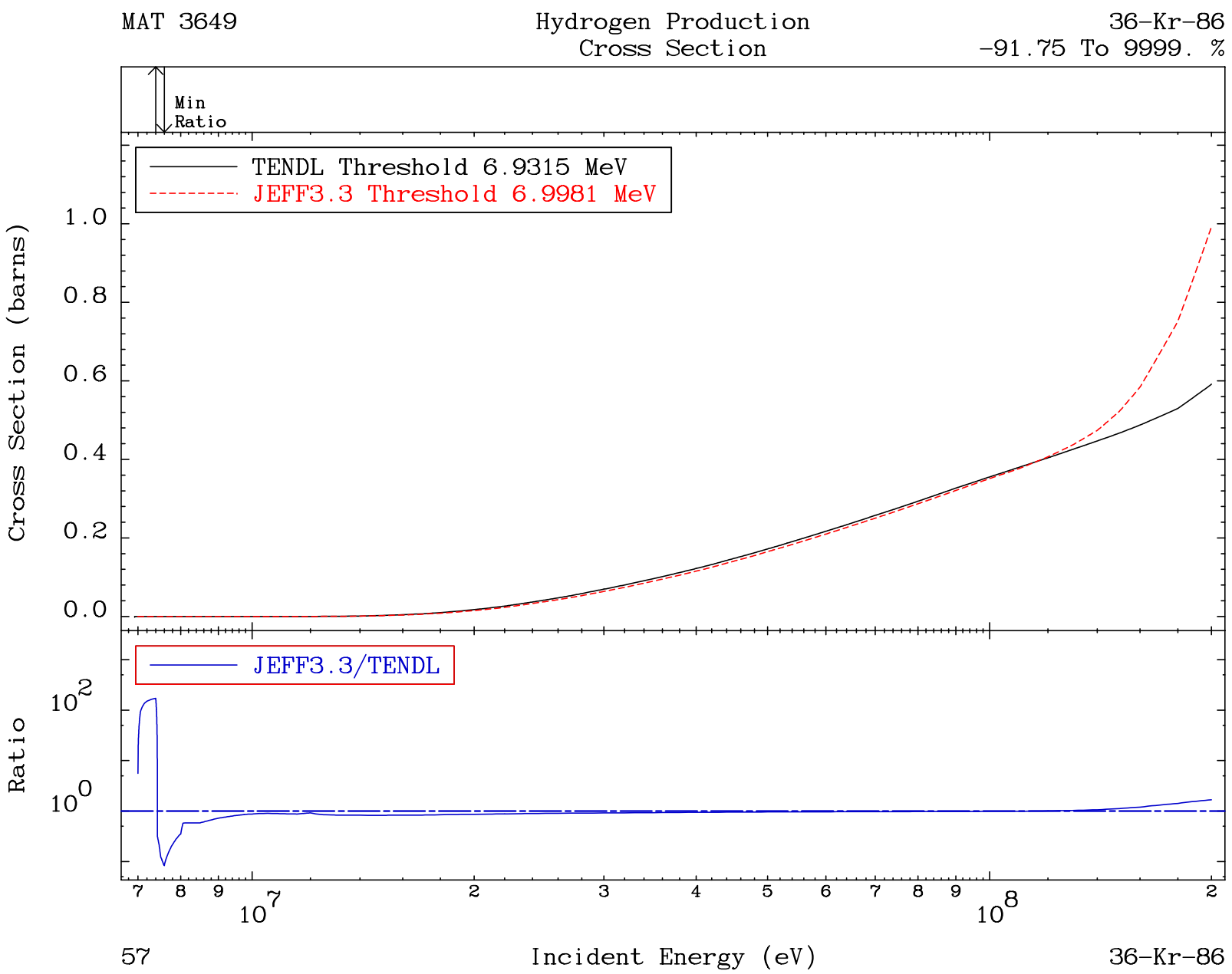

MAT 3649
(n,α)
Cross Section
36-Kr-86
-99.32 To 212.7 %
Min Ratio
Max Ratio
TENDL Threshold 2.3055 MeV
JEFF3.3 Threshold 2.3720 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
52
36-Kr-86

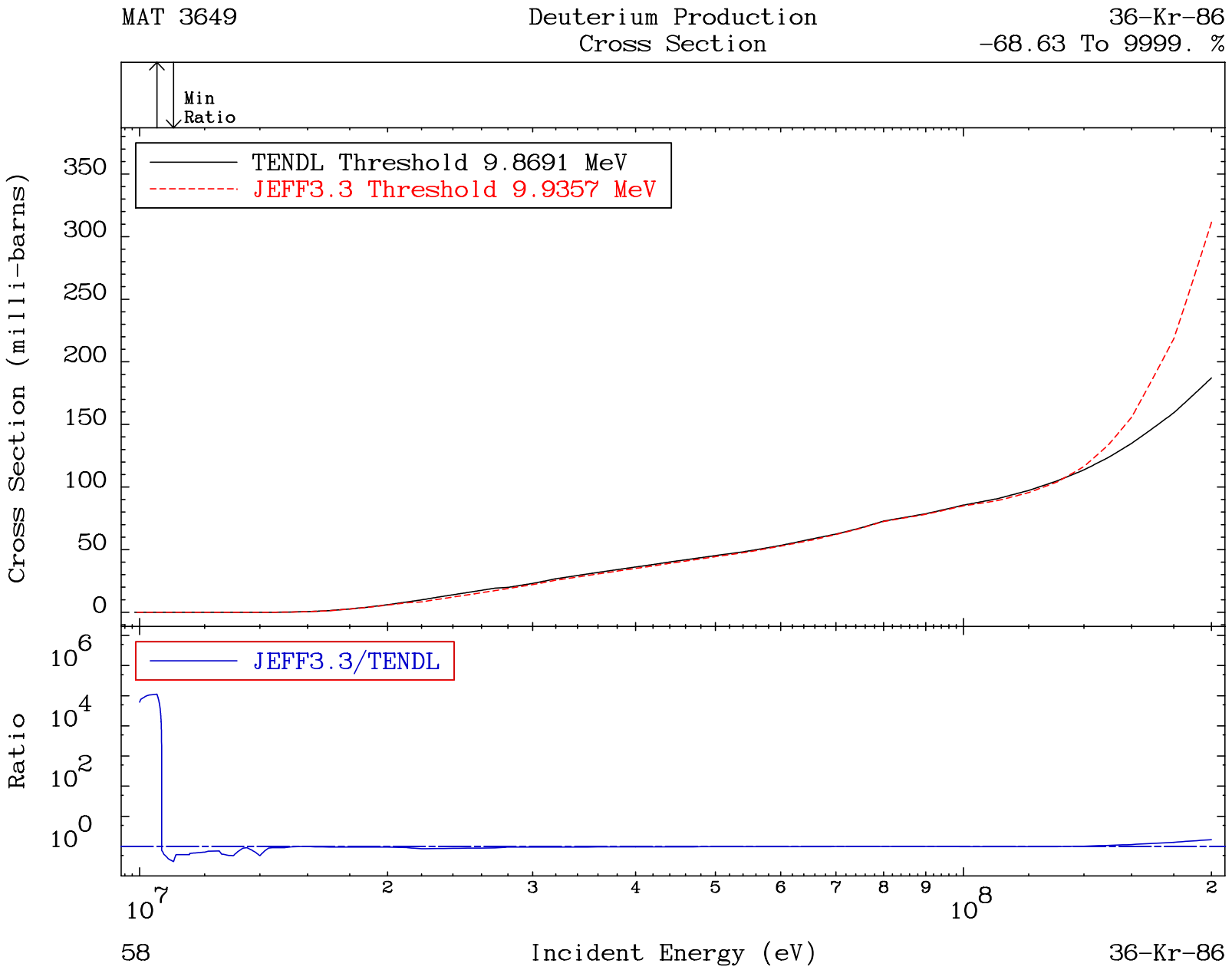

MAT 3649
(n,2α)
Cross Section
36-Kr-86
-99.48 To 111.6 %
Min Ratio
Max Ratio
TENDL Threshold 10.641 MeV
JEFF3.3 Threshold 10.708 MeV
Cross Section (10^-9 barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^0
10^-1
10^-2
2
3
4
5
6
7
8
9
10^8
2
53
Incident Energy (eV)
36-Kr-86

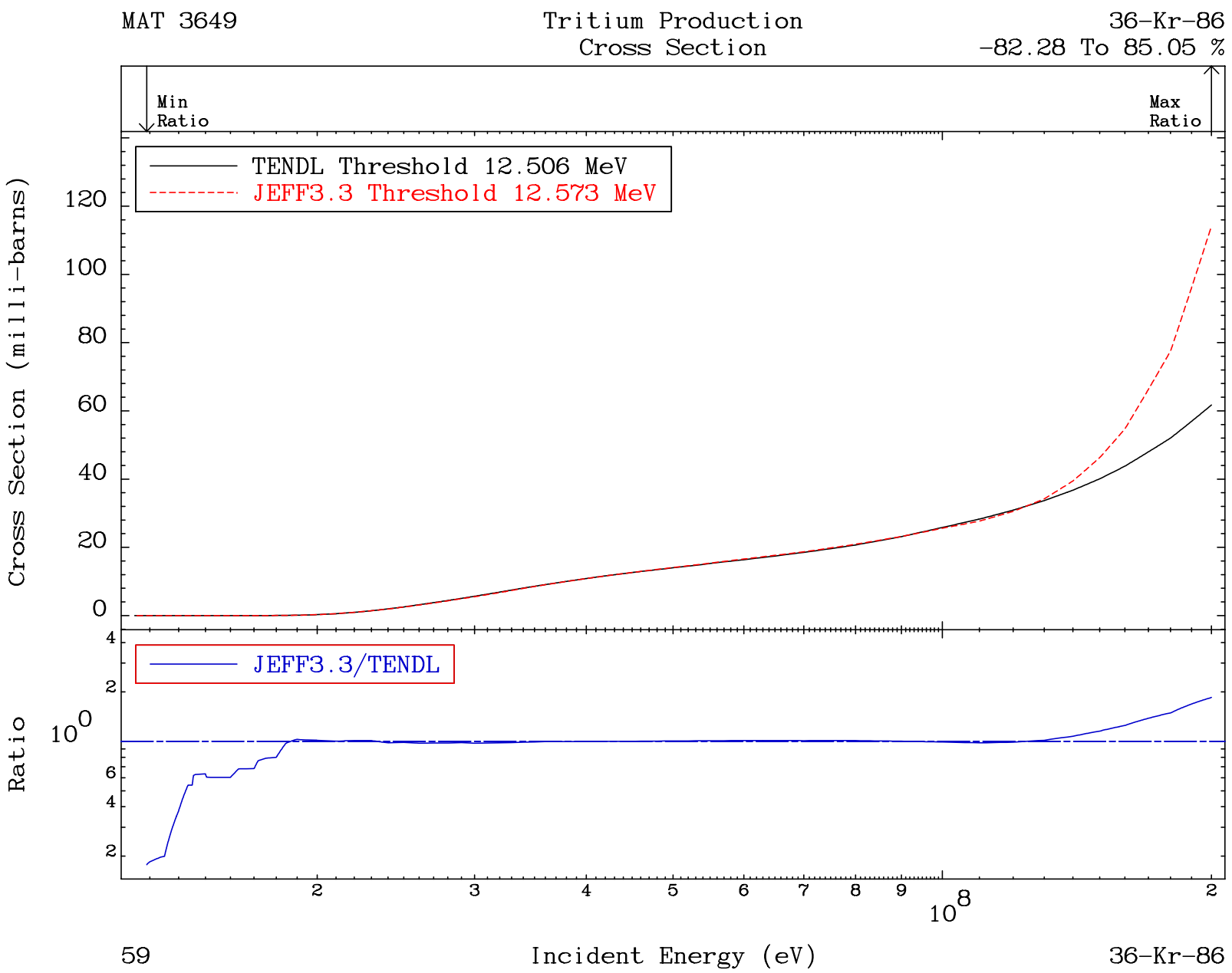

MAT 3649
(n,2p)
Cross Section
36-Kr-86
-85.73 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 17.563 MeV
JEFF3.3 Threshold 17.629 MeV
Cross Section (10^{-9} barns)
180
160
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.2
0.8
0.4
2
3
4
5
6
7
8
9
10^8
2
54
Incident Energy (eV)
36-Kr-86

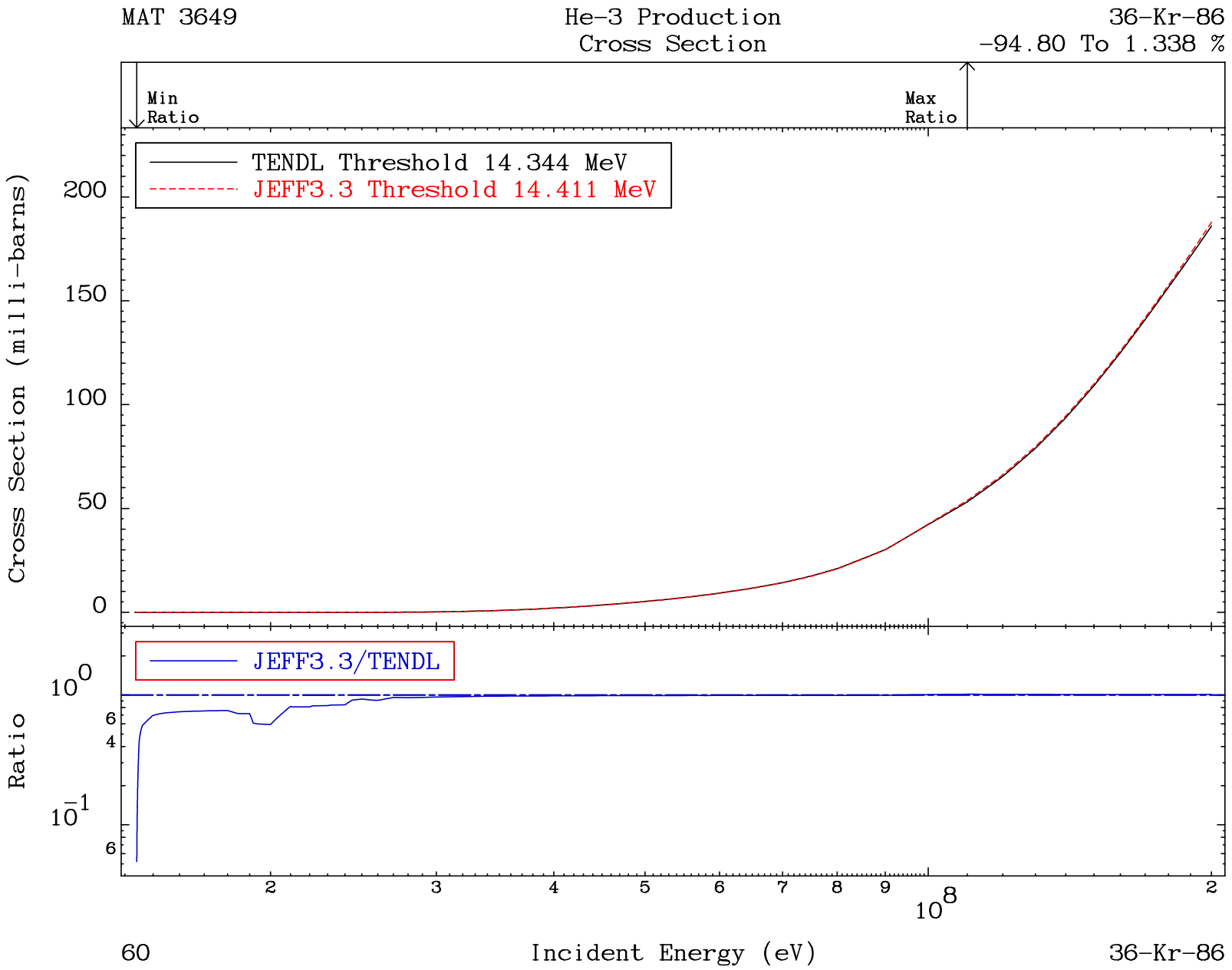

MAT 3649
(n,p) α
Cross Section
36-Kr-86
-3.364 To 31.04 %
Max Ratio
Min Ratio
TENDL Threshold 14.977 MeV
JEFF3.3 Threshold 15.046 MeV
Cross Section (10^{-9} barns)
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.4
1.2
1.0
2
3
4
5
6
7
8
9
10^8
2
55
Incident Energy (eV)
36-Kr-86

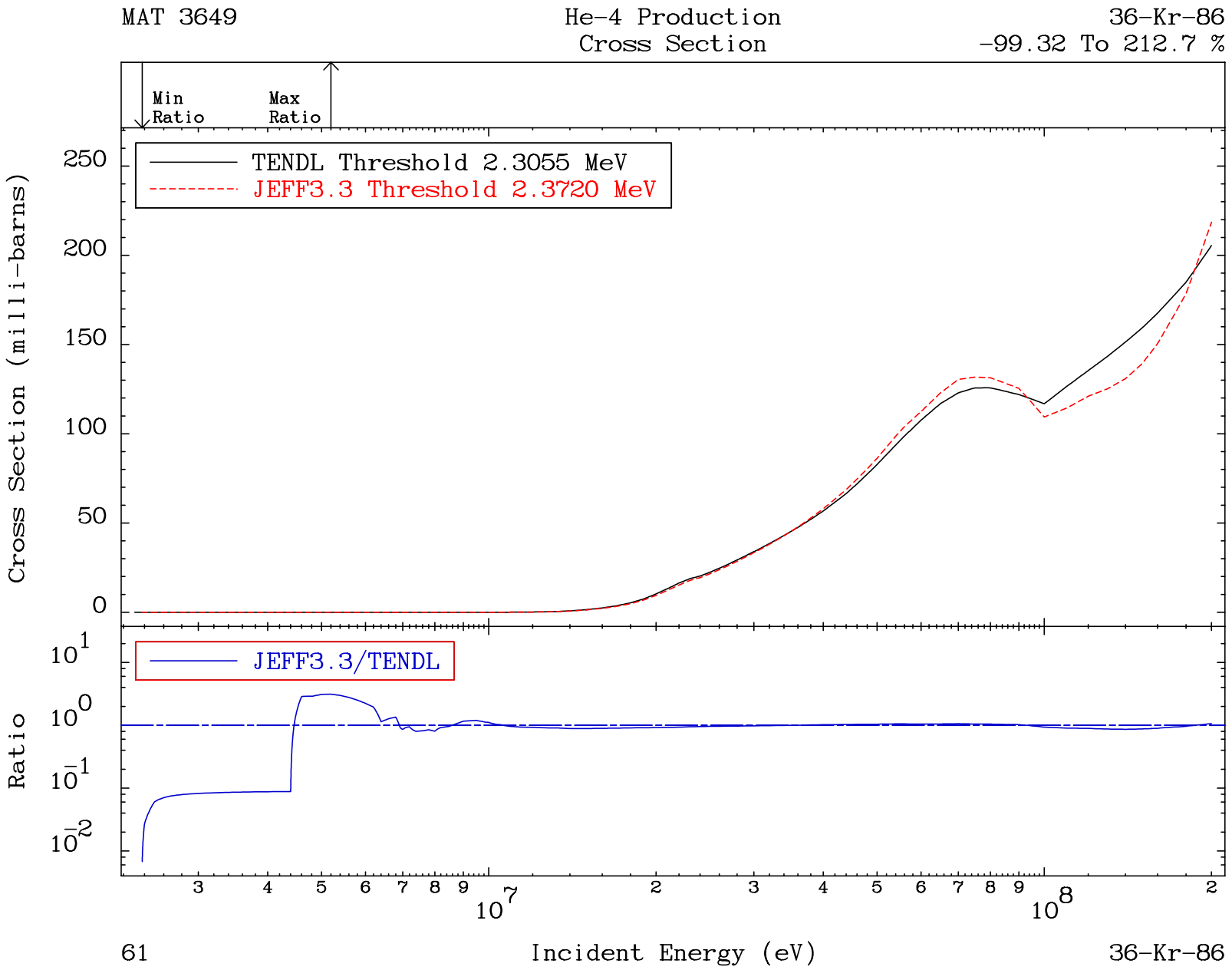

MAT 3649
(n,p) d
Cross Section
36-Kr-86
-74.50 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 19.902 MeV
JEFF3.3 Threshold 19.969 MeV
Cross Section (10^-9 barns)
0
1
2
3
4
5
JEFF3.3/TENDL
Ratio
0.4
0.8
1.2
2
3
4
5
6
7
8
9
10^8
2
56
Incident Energy (eV)
36-Kr-86

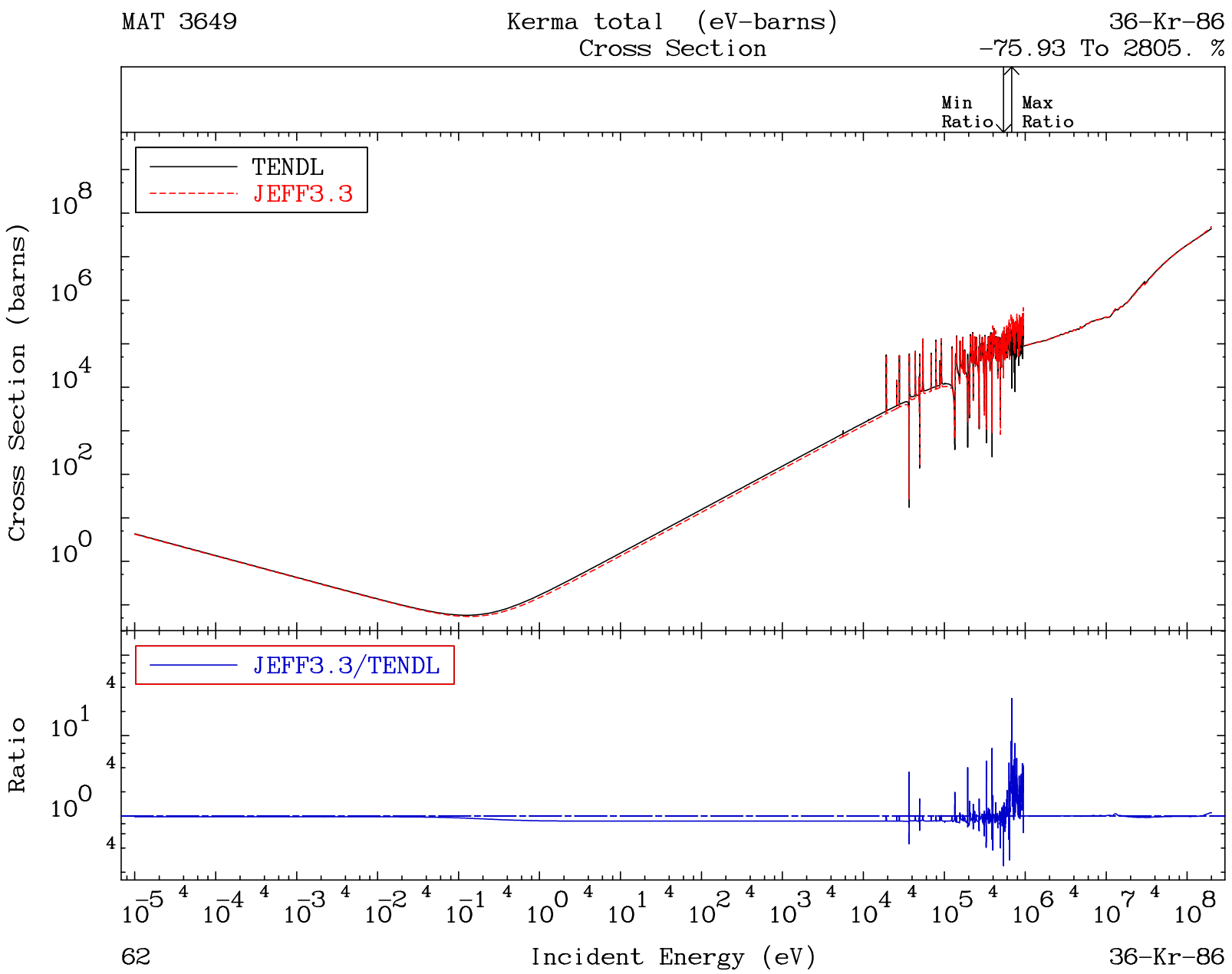

MAT 3649
Hydrogen Production
Cross Section
36-Kr-86
-91.75 To 9999. %
Min
Ratio
TENDL Threshold 6.9315 MeV
JEFF3.3 Threshold 6.9981 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
10^2
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
57
Incident Energy (eV)
36-Kr-86

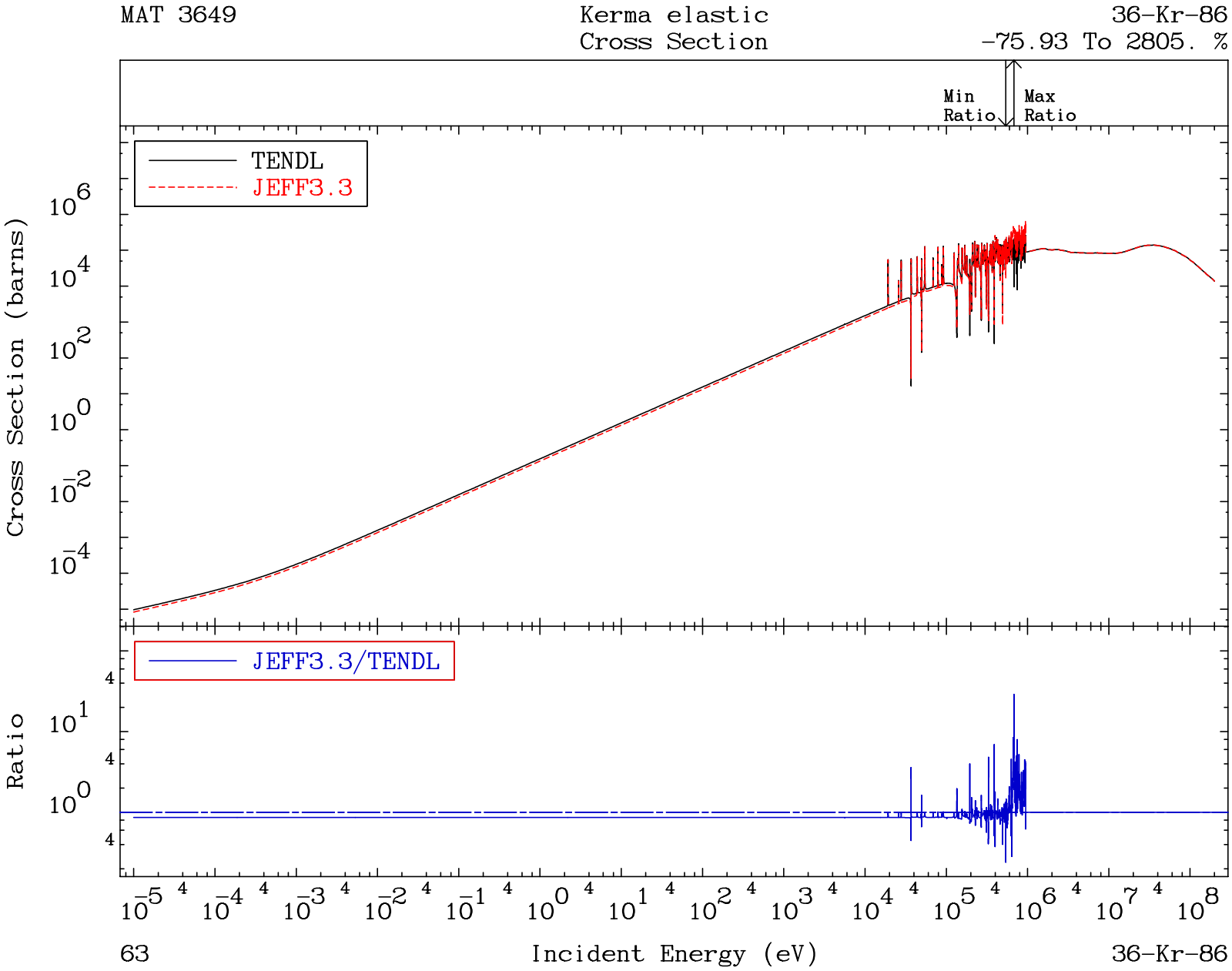

MAT 3649
Deuterium Production
Cross Section
36-Kr-86
-68.63 To 9999. %
Min
Ratio
TENDL Threshold 9.8691 MeV
JEFF3.3 Threshold 9.9357 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
10^6
10^4
10^2
10^0
10^7
2
3
4
5
6
7
8
9
10^8
2
58
Incident Energy (eV)
36-Kr-86

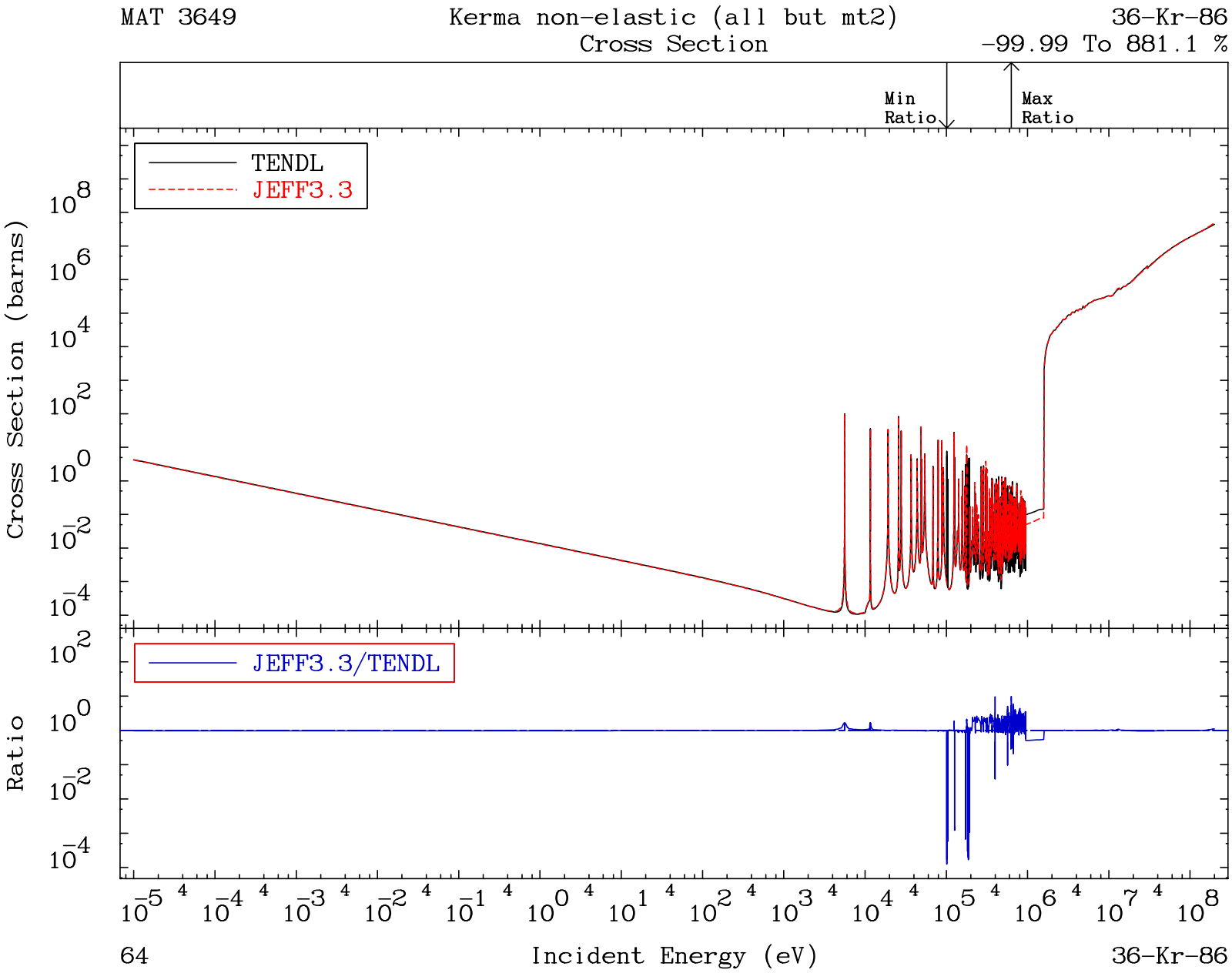

MAT 3649
Tritium Production
Cross Section
36-Kr-86
-82.28 To 85.05 %
Min
Ratio
Max
Ratio
TENDL Threshold 12.506 MeV
JEFF3.3 Threshold 12.573 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
4
2
10^0
6
4
2
2
3
4
5
6
7
8
9
10^8
2
59
Incident Energy (eV)
36-Kr-86

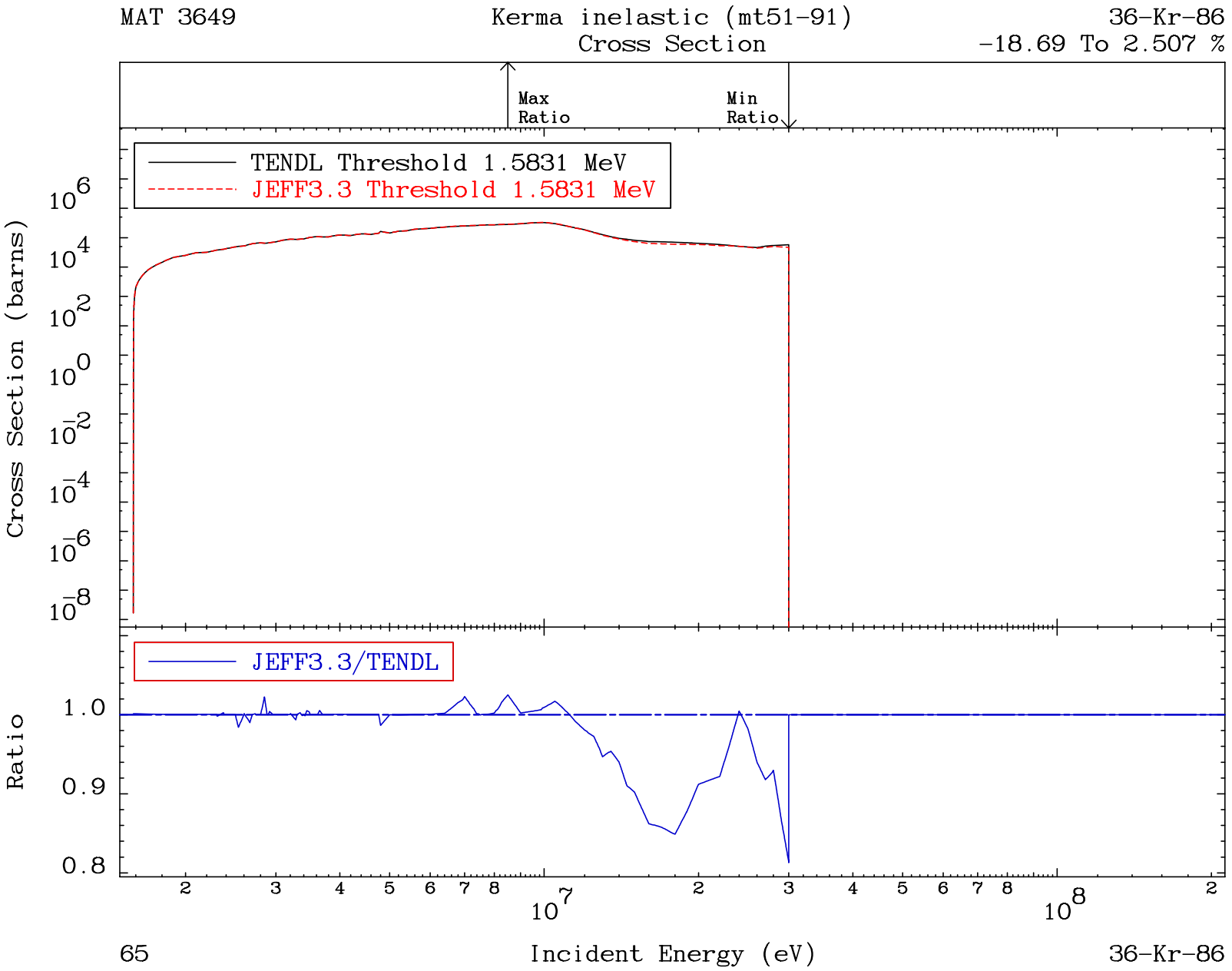

MAT 3649
He-3 Production
Cross Section
36-Kr-86
-94.80 To 1.338 %
Min
Ratio
Max
Ratio
TENDL Threshold 14.344 MeV
JEFF3.3 Threshold 14.411 MeV
Cross Section (milli-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
10^0
6
4
10^-1
6
2
3
4
5
6
7
8
9
10^8
2
60
Incident Energy (eV)
36-Kr-86

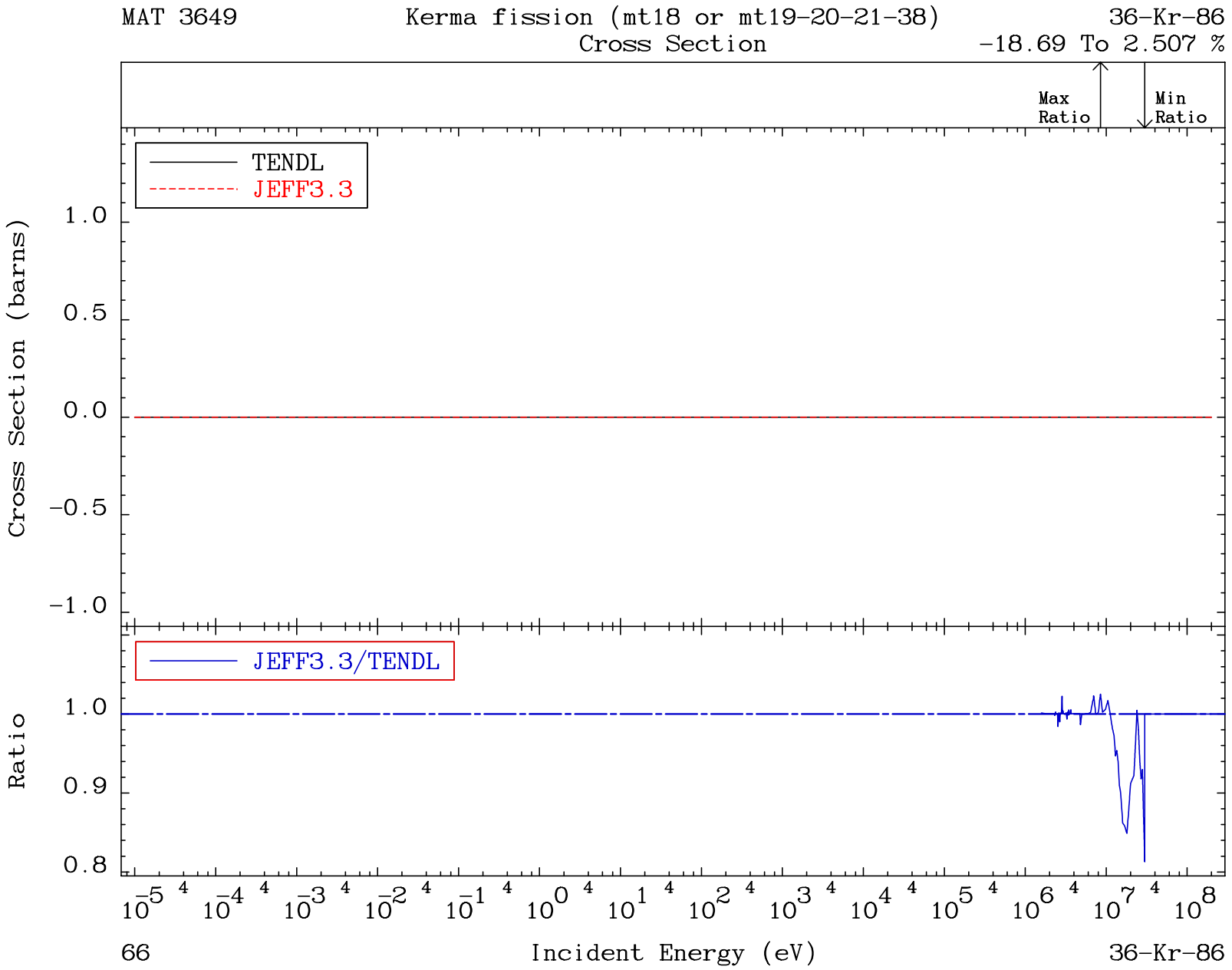

MAT 3649
He-4 Production
Cross Section
36-Kr-86
-99.32 To 212.7 %
Min Ratio
Max Ratio
TENDL Threshold 2.3055 MeV
JEFF3.3 Threshold 2.3720 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
10^1
10^0
10^-1
10^-2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
61
Incident Energy (eV)
36-Kr-86

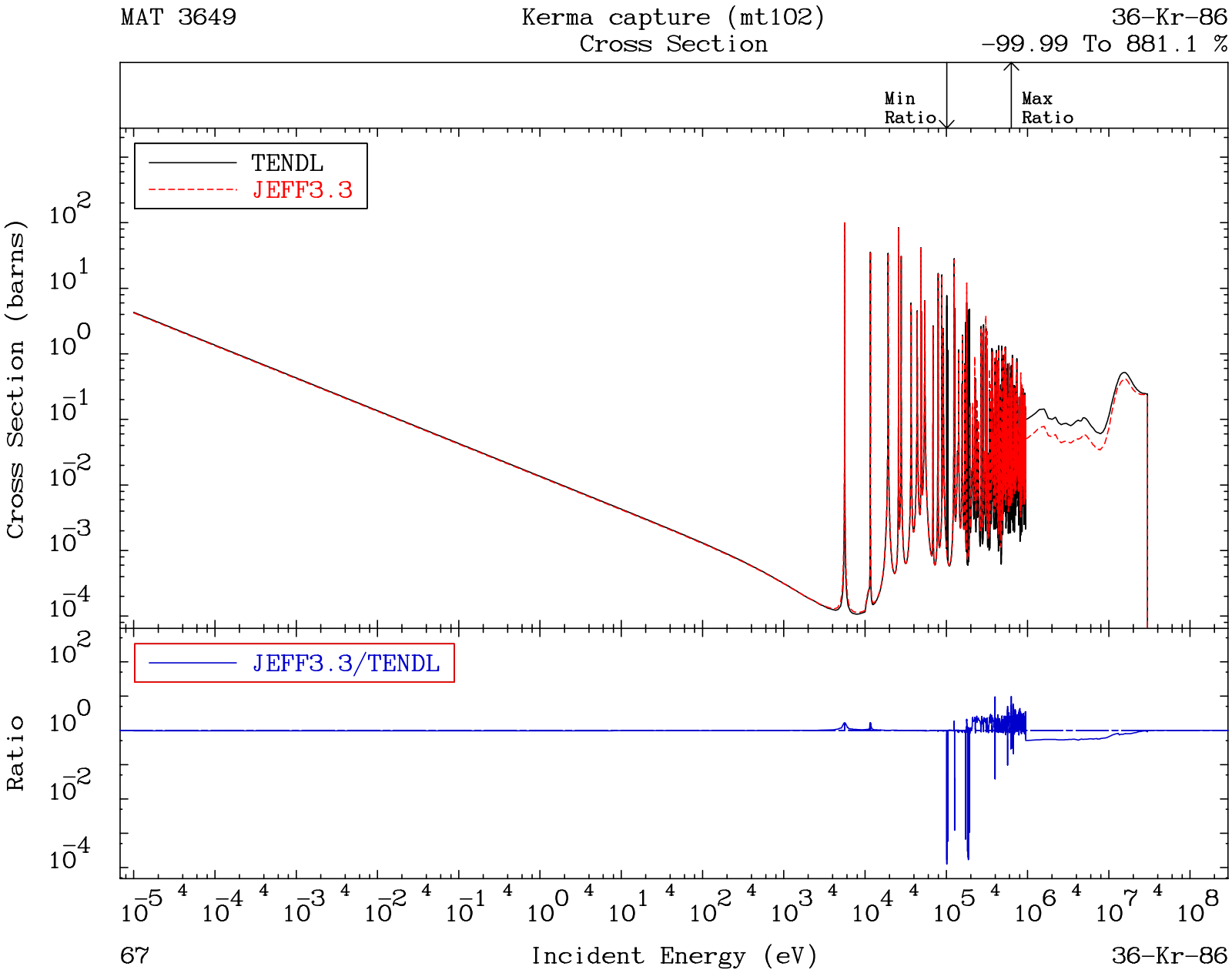

MAT 3649
Kerma total (eV-barns)
Cross Section
36-Kr-86
-75.93 To 2805. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
62
36-Kr-86

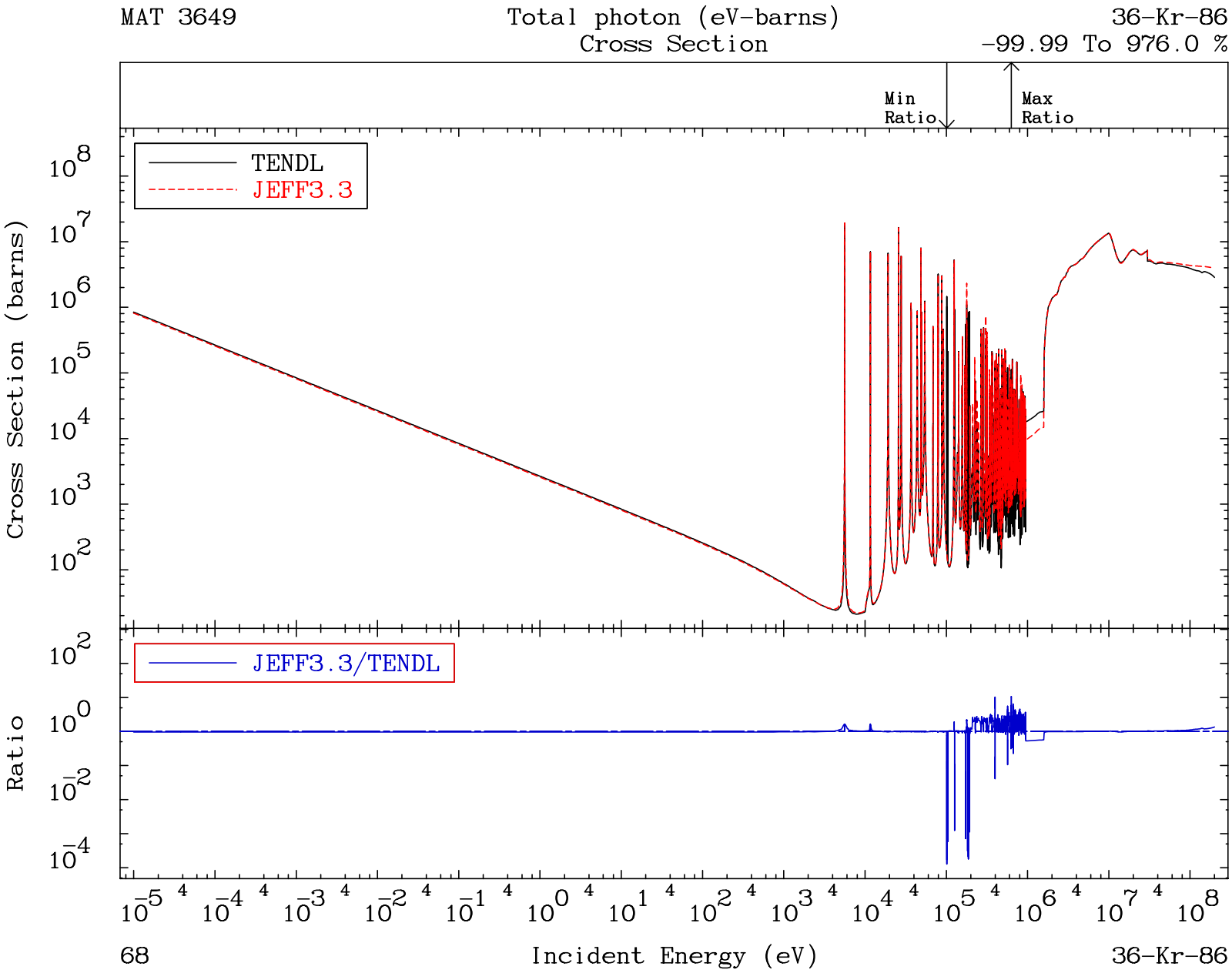

MAT 3649
Kerma elastic
Cross Section
36-Kr-86
-75.93 To 2805. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
63
36-Kr-86

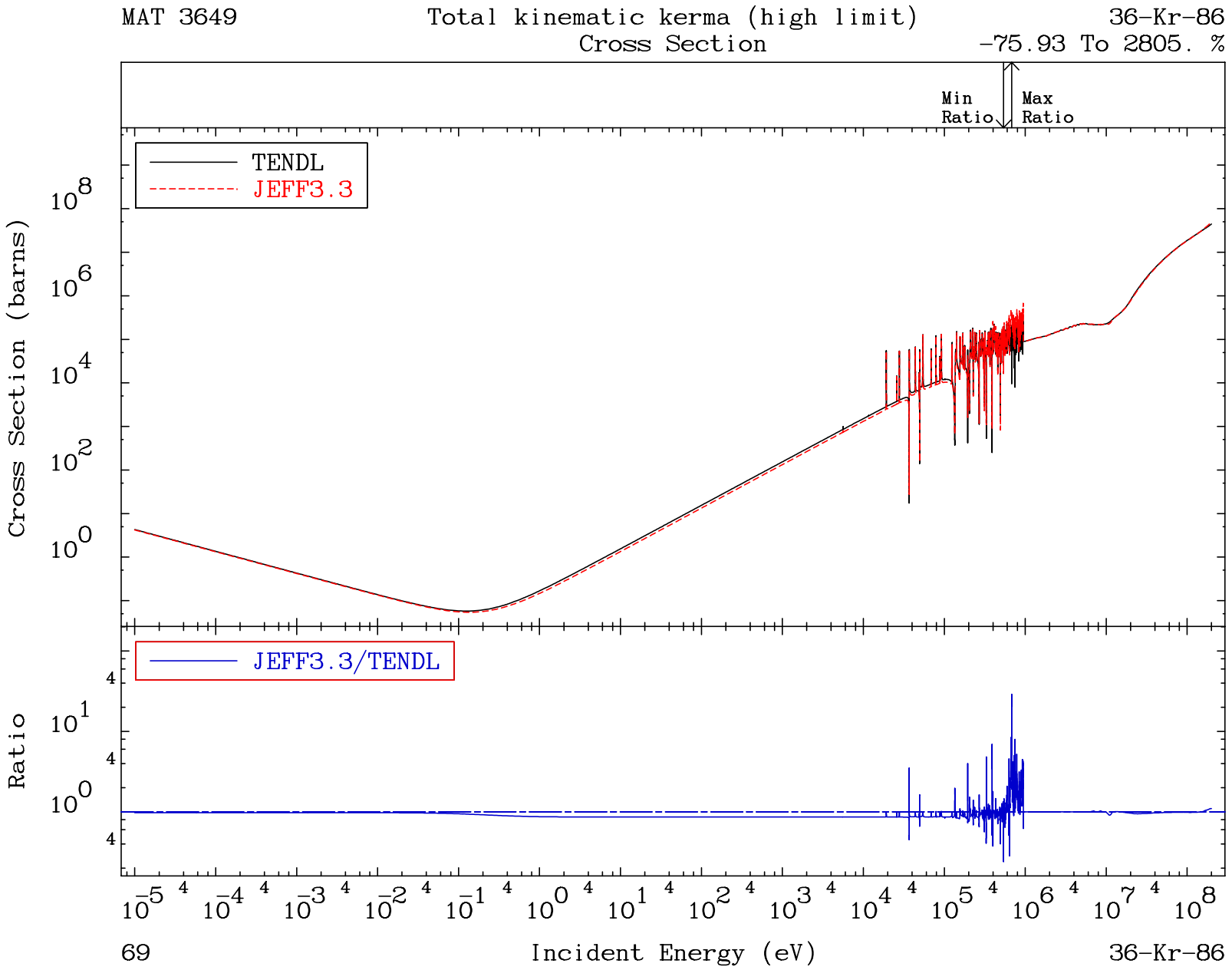

MAT 3649
Kerma non-elastic (all but mt2)
Cross Section
36-Kr-86
-99.99 To 881.1 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
64
36-Kr-86

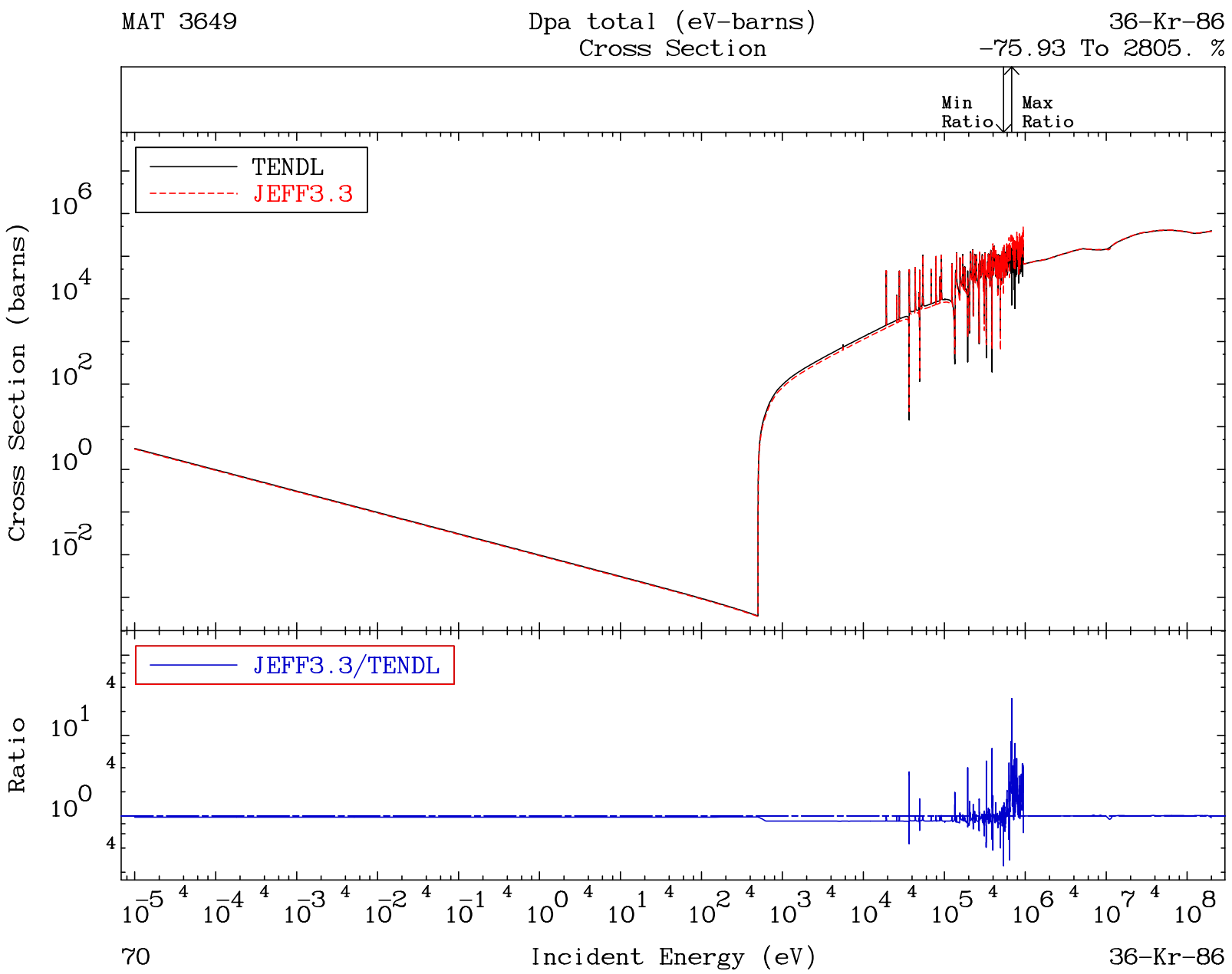

MAT 3649
Kerma inelastic (mt51-91)
Cross Section
36-Kr-86
-18.69 To 2.507 %
Max Ratio
Min Ratio
TENDL Threshold 1.5831 MeV
JEFF3.3 Threshold 1.5831 MeV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
65
36-Kr-86

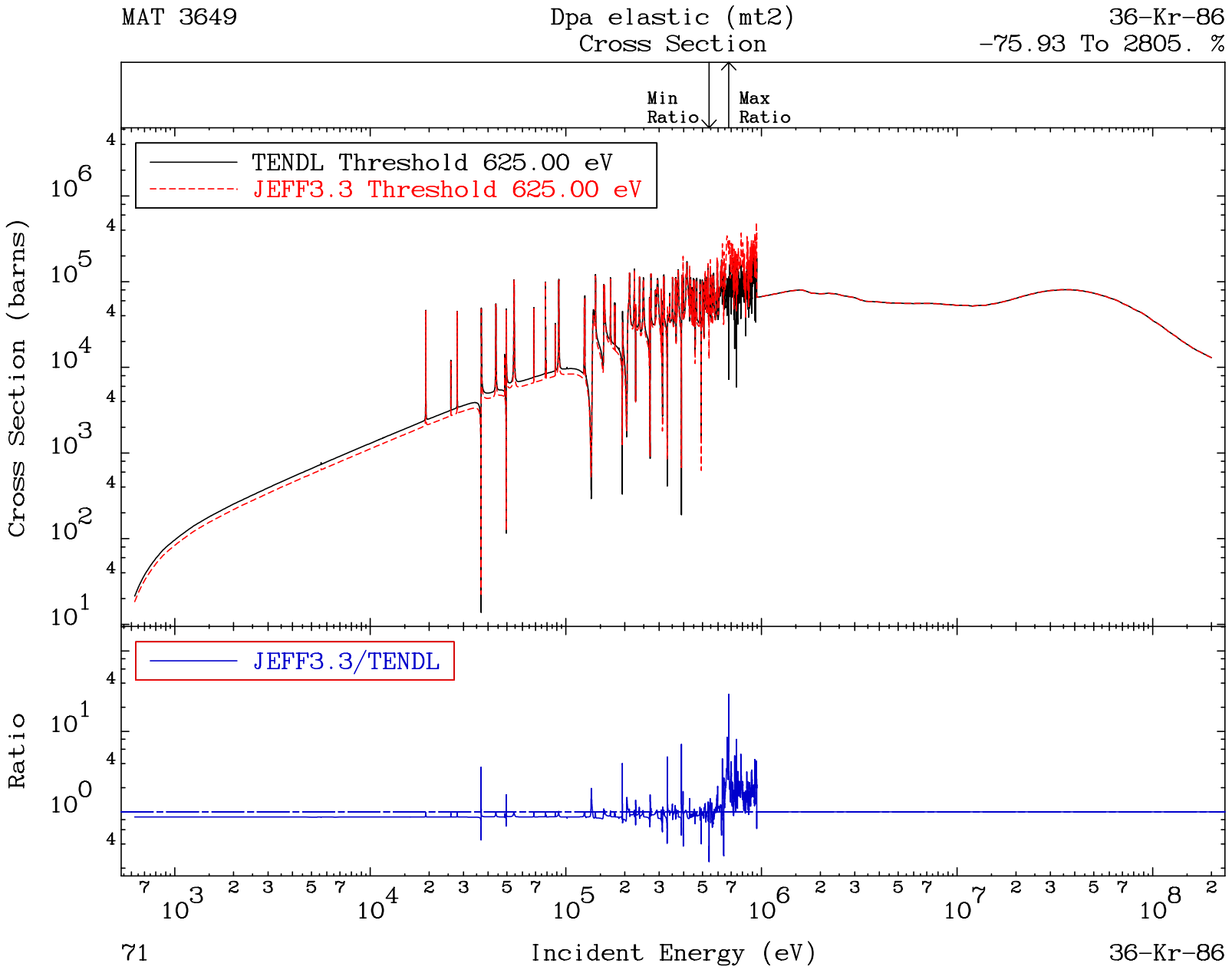

MAT 3649
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
36-Kr-86
-18.69 To 2.507 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
JEFF3.3/TENDL
Ratio
1.0
0.9
0.8
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
66
Incident Energy (eV)
36-Kr-86

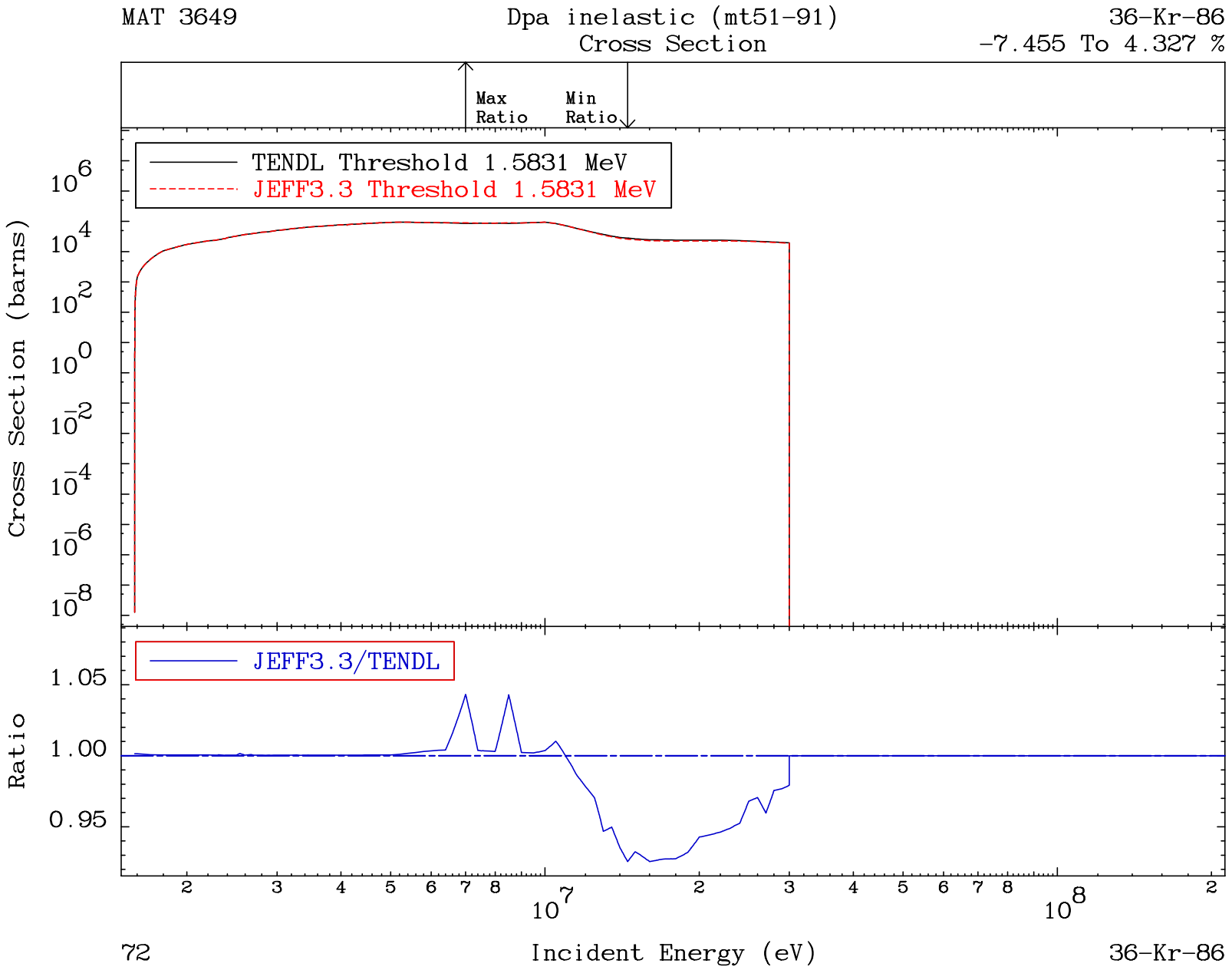

MAT 3649
Kerma capture (mt102)
Cross Section
36-Kr-86
-99.99 To 881.1 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
67
36-Kr-86

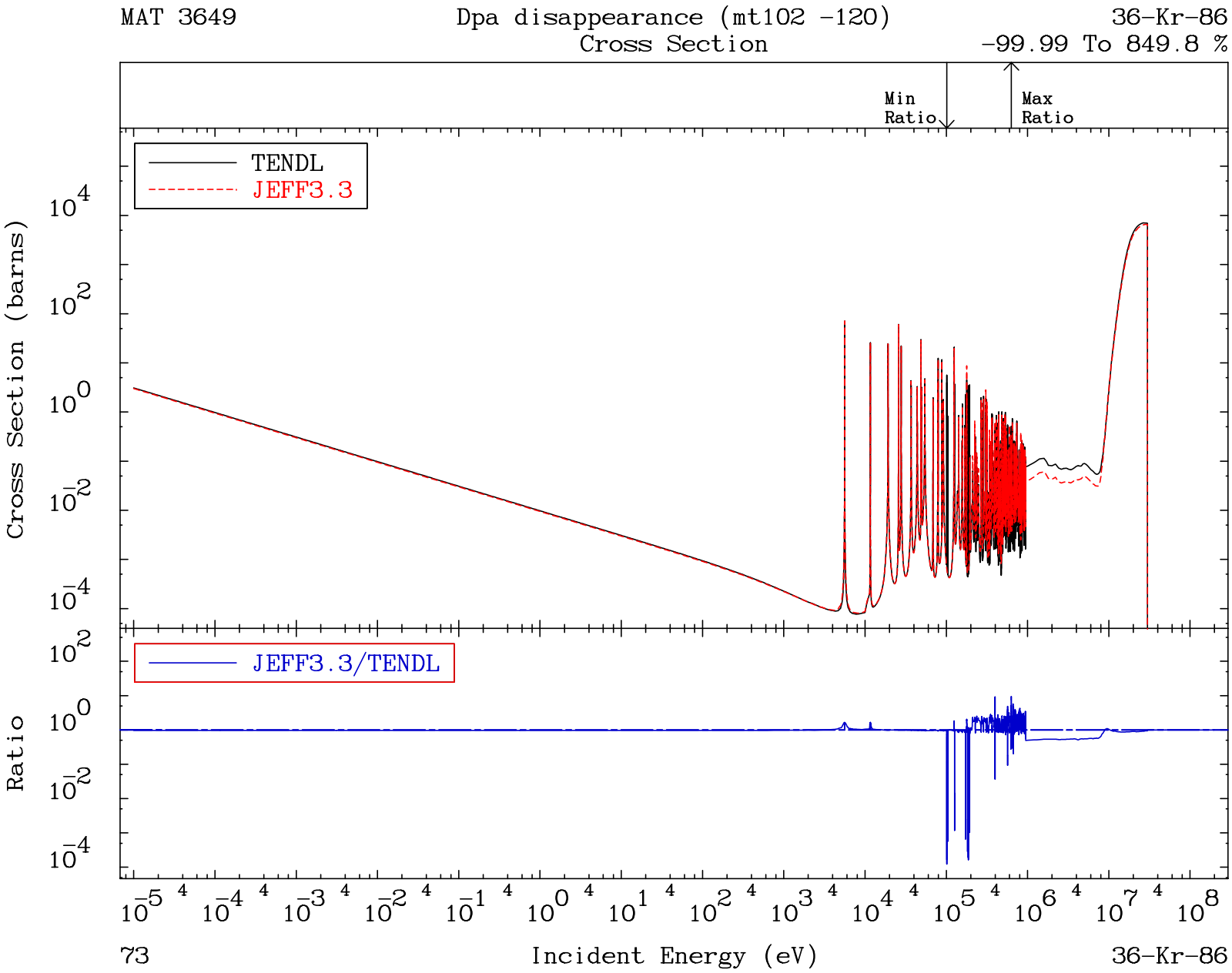

MAT 3649
Total photon (eV-barns)
Cross Section
36-Kr-86
-99.99 To 976.0 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
68
36-Kr-86

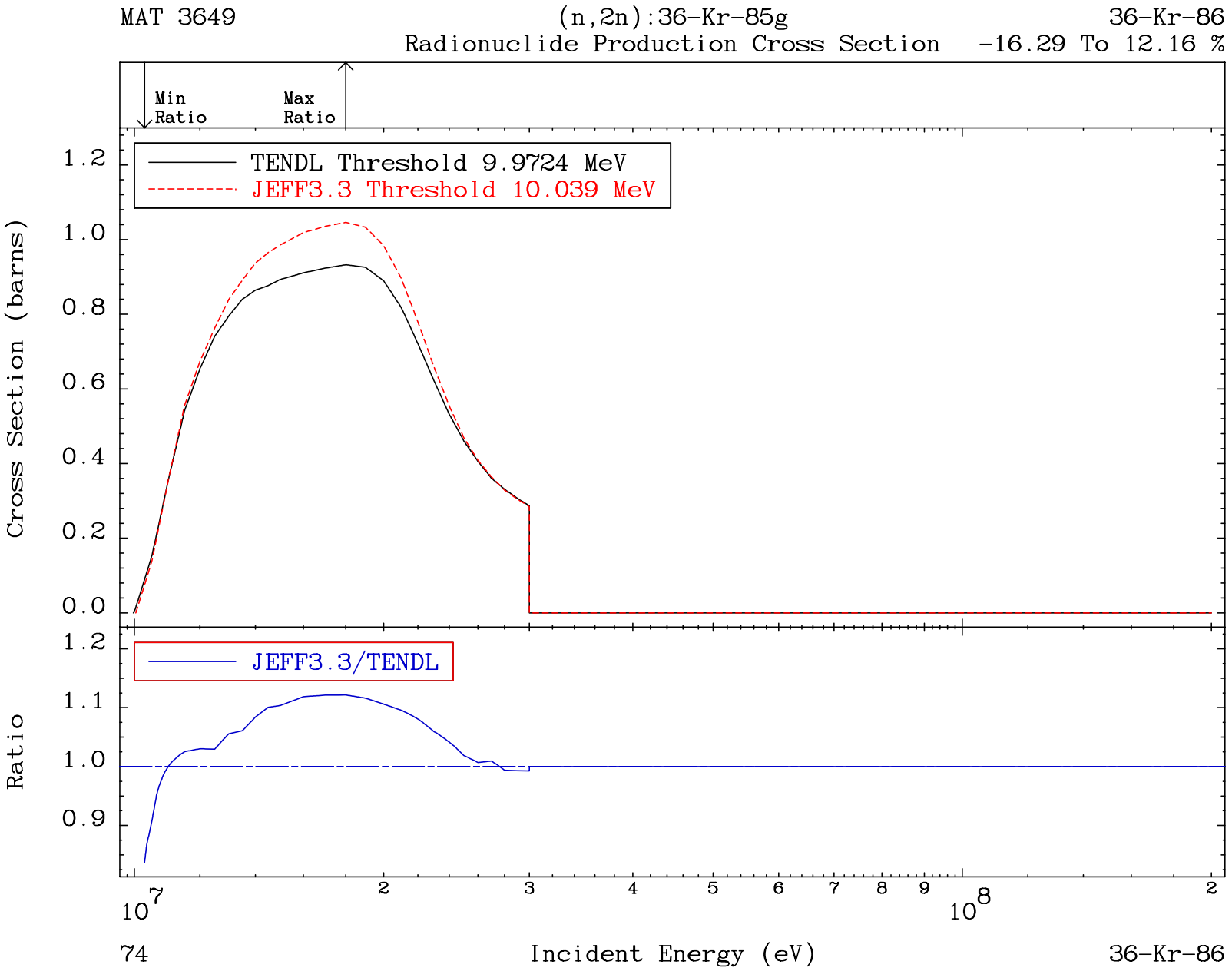

MAT 3649
Total kinematic kerma (high limit)
Cross Section
36-Kr-86
-75.93 To 2805. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
69
36-Kr-86

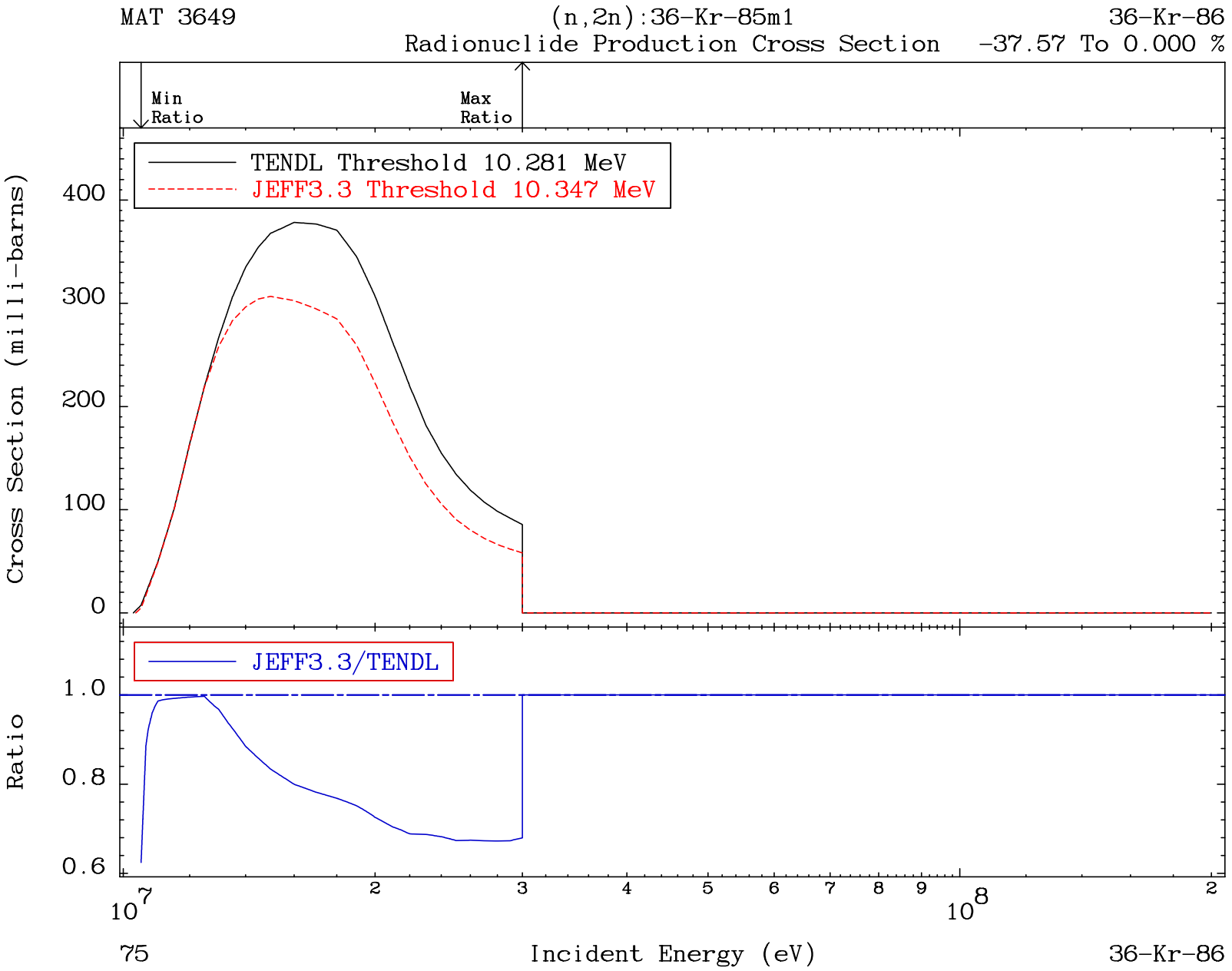

MAT 3649
Dpa total (eV-barns)
Cross Section
36-Kr-86
-75.93 To 2805. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
70
36-Kr-86

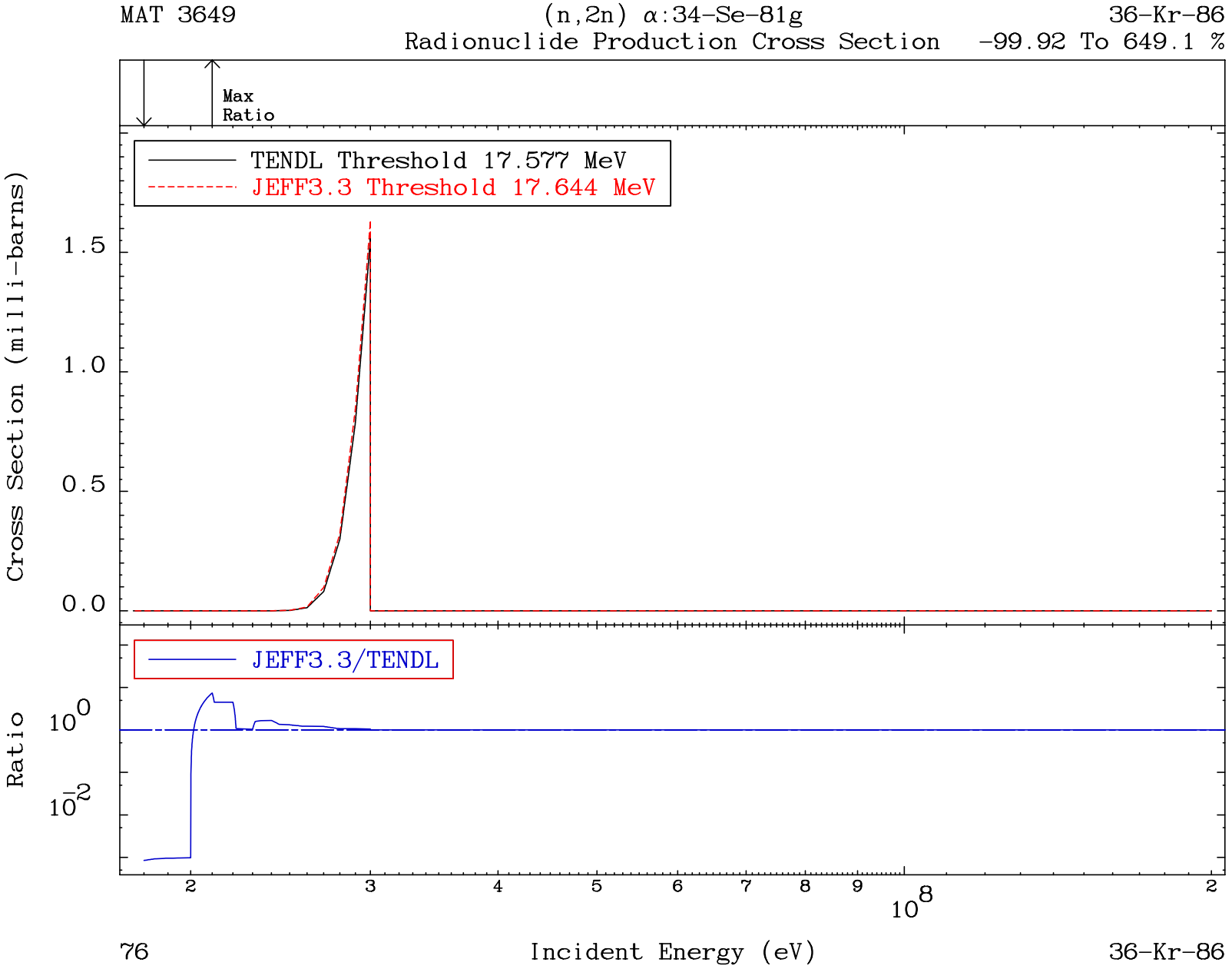

MAT 3649
Dpa elastic (mt2)
Cross Section
36-Kr-86
-75.93 To 2805. %
Min Ratio
Max Ratio
TENDL Threshold 625.00 eV
JEFF3.3 Threshold 625.00 eV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
71
36-Kr-86

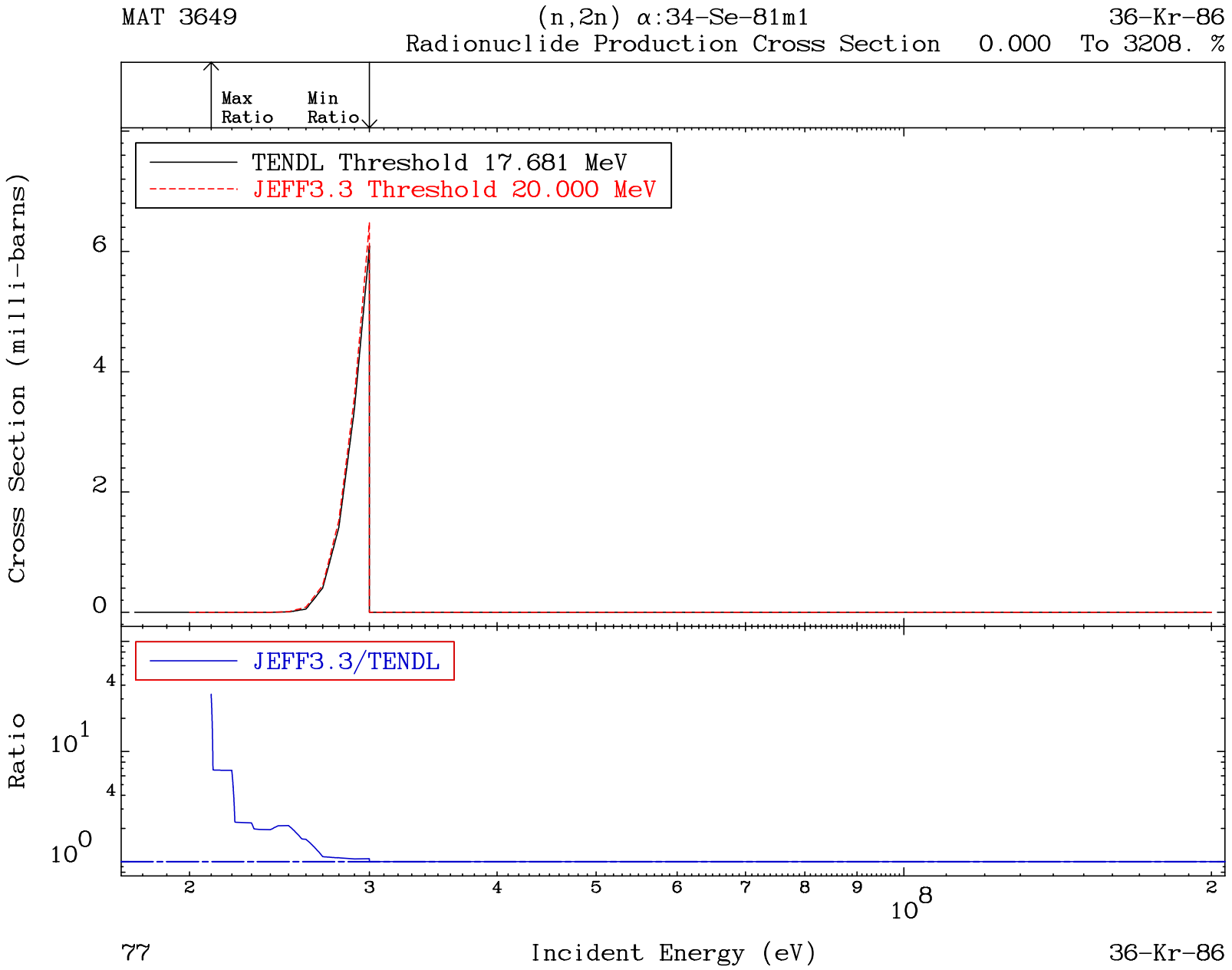

MAT 3649
Dpa inelastic (mt51-91)
Cross Section
36-Kr-86
-7.455 To 4.327 %
Max Ratio
Min Ratio
TENDL Threshold 1.5831 MeV
JEFF3.3 Threshold 1.5831 MeV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
72
36-Kr-86

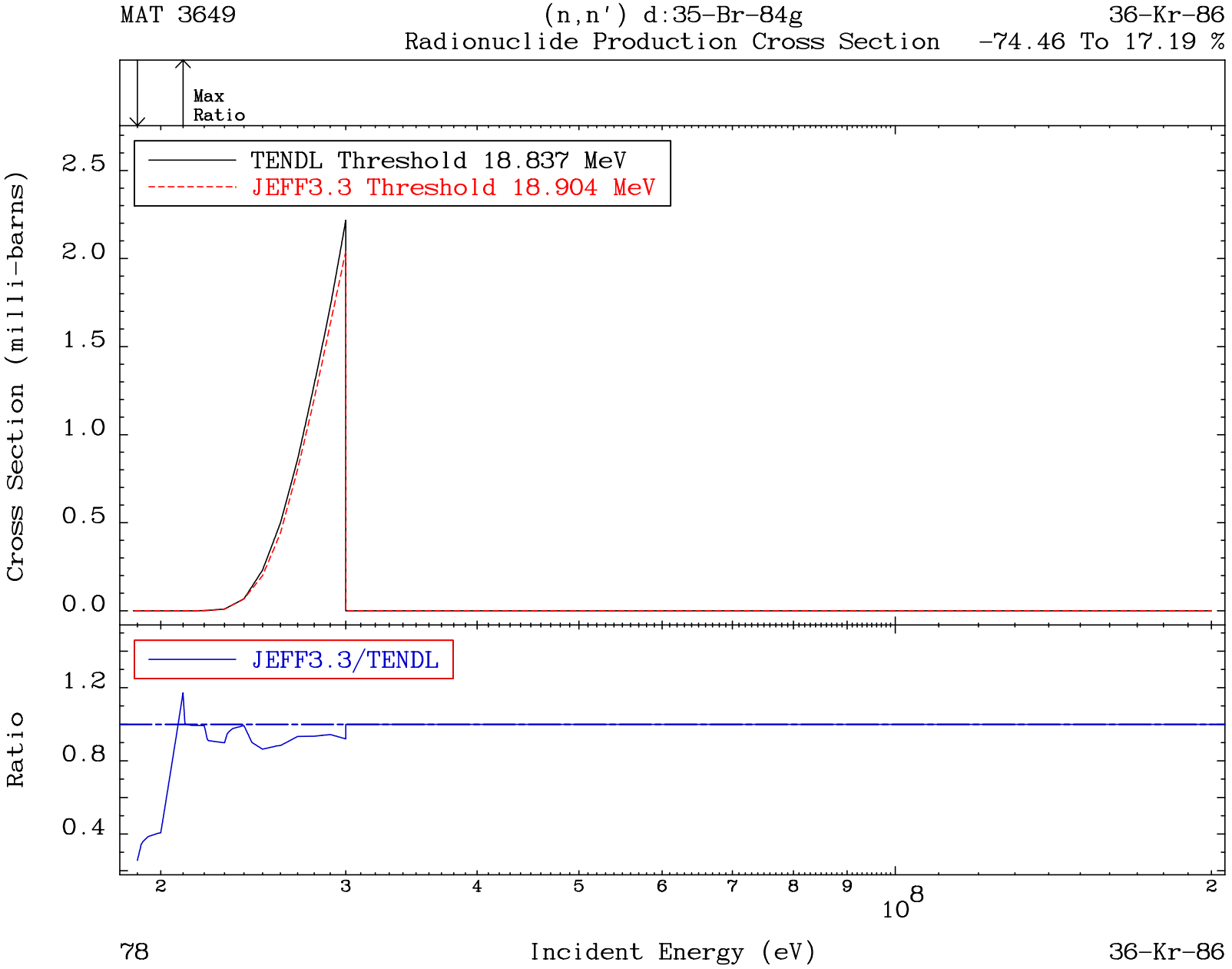

MAT 3649
Dpa disappearance (mt102 -120)
Cross Section
36-Kr-86
-99.99 To 849.8 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
73
36-Kr-86

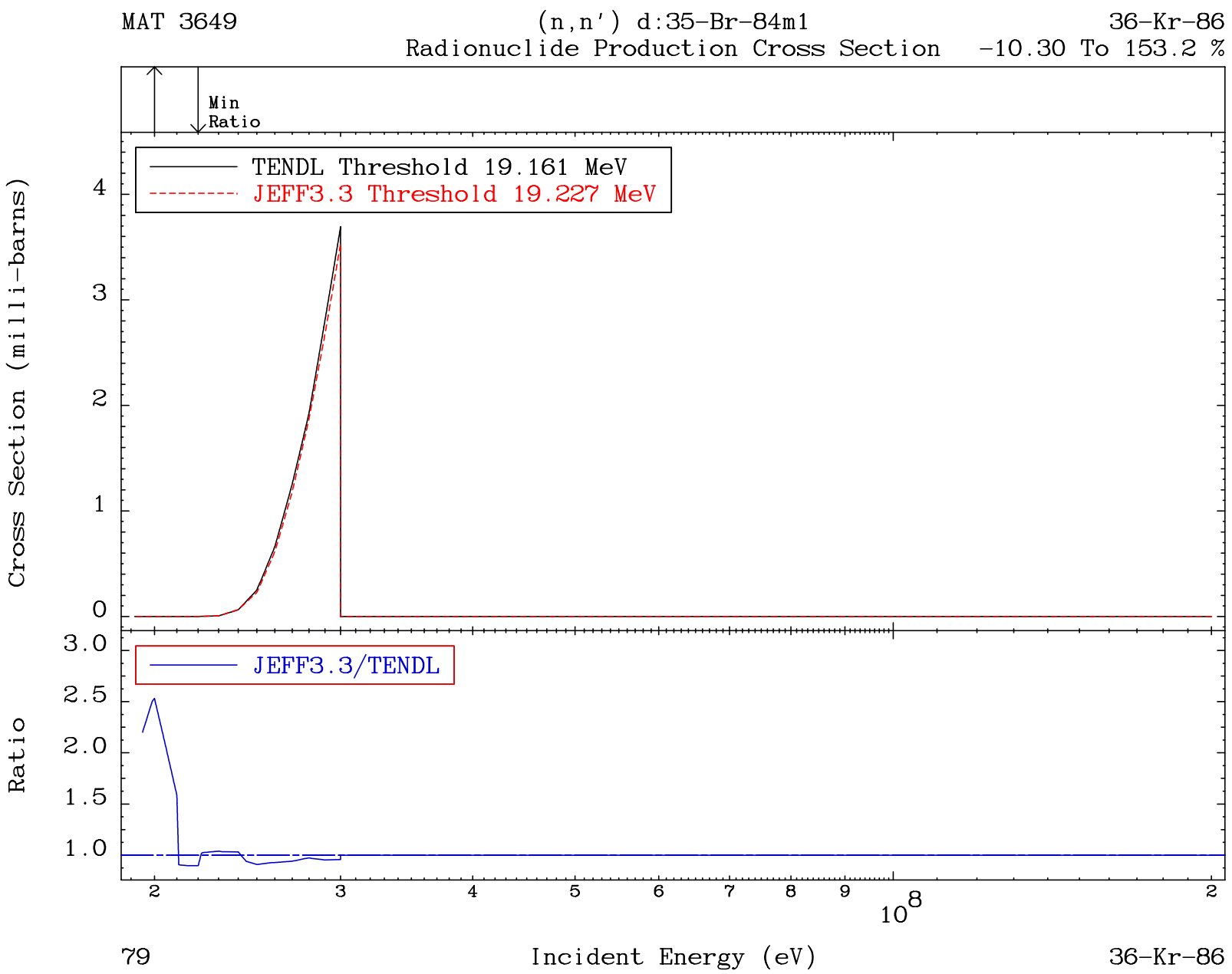

MAT 3649
(n,2n):36-Kr-85g
36-Kr-86
Radionuclide Production Cross Section -16.29 To 12.16 %
Min Ratio
Max Ratio
TENDL Threshold 9.9724 MeV
JEFF3.3 Threshold 10.039 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.2
1.1
1.0
0.9
10^7
2
3
4
5
6
7
8
9
10^8
2
74
Incident Energy (eV)
36-Kr-86

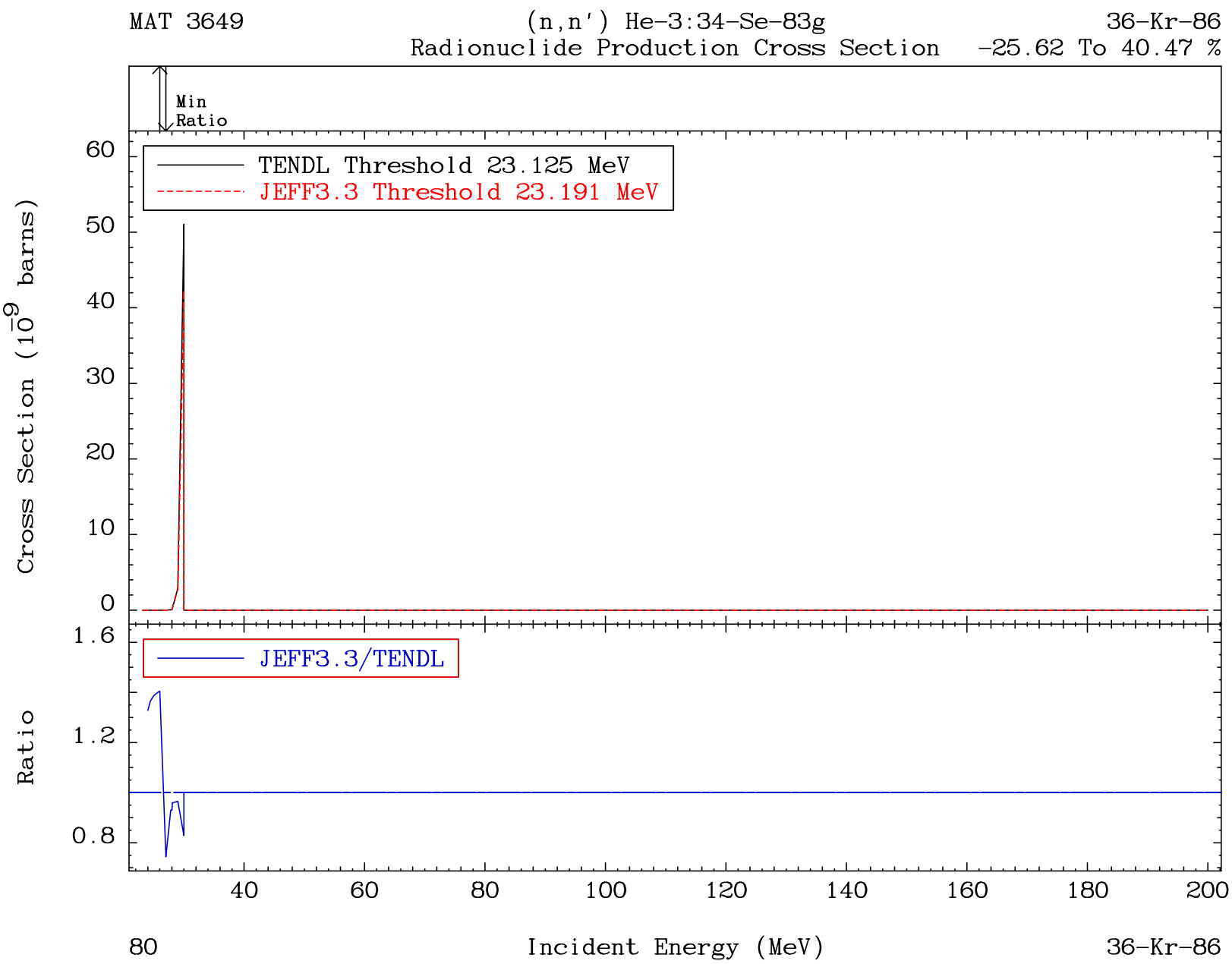

MAT 3649
(n,2n):36-Kr-85m1
36-Kr-86
Radionuclide Production Cross Section -37.57 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 10.281 MeV
JEFF3.3 Threshold 10.347 MeV
Cross Section (milli-barns)
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.0
0.8
0.6
10^7
2
3
4
5
6
7
8
9
10^8
2
75
Incident Energy (eV)
36-Kr-86

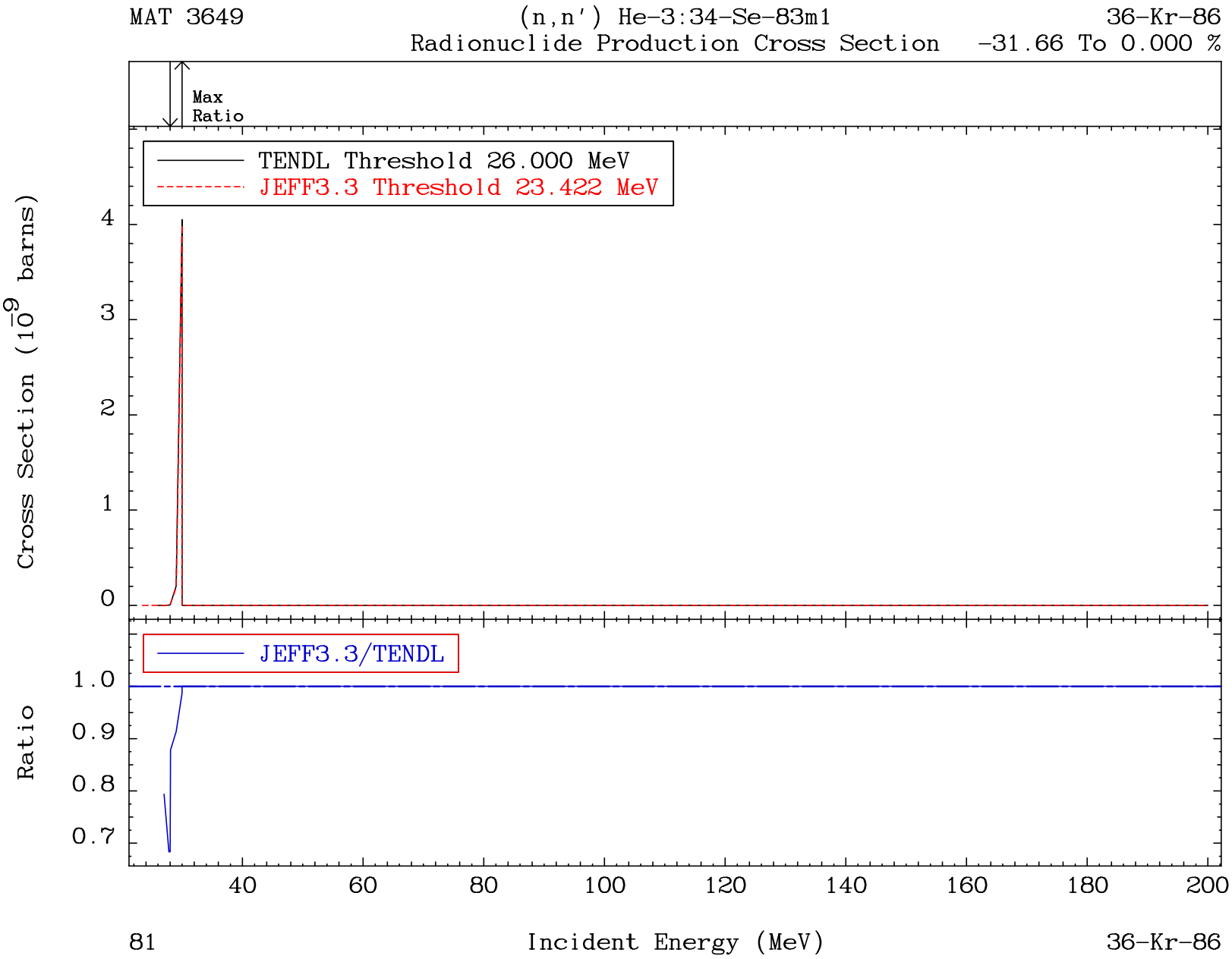

MAT 3649
(n,2n) α:34-Se-81g
36-Kr-86
Radionuclide Production Cross Section -99.92 To 649.1 %
Max
Ratio
TENDL Threshold 17.577 MeV
JEFF3.3 Threshold 17.644 MeV
Cross Section (milli-barns)
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^0
10^-2
2
3
4
5
6
7
8
9
10^8
2
76
Incident Energy (eV)
36-Kr-86

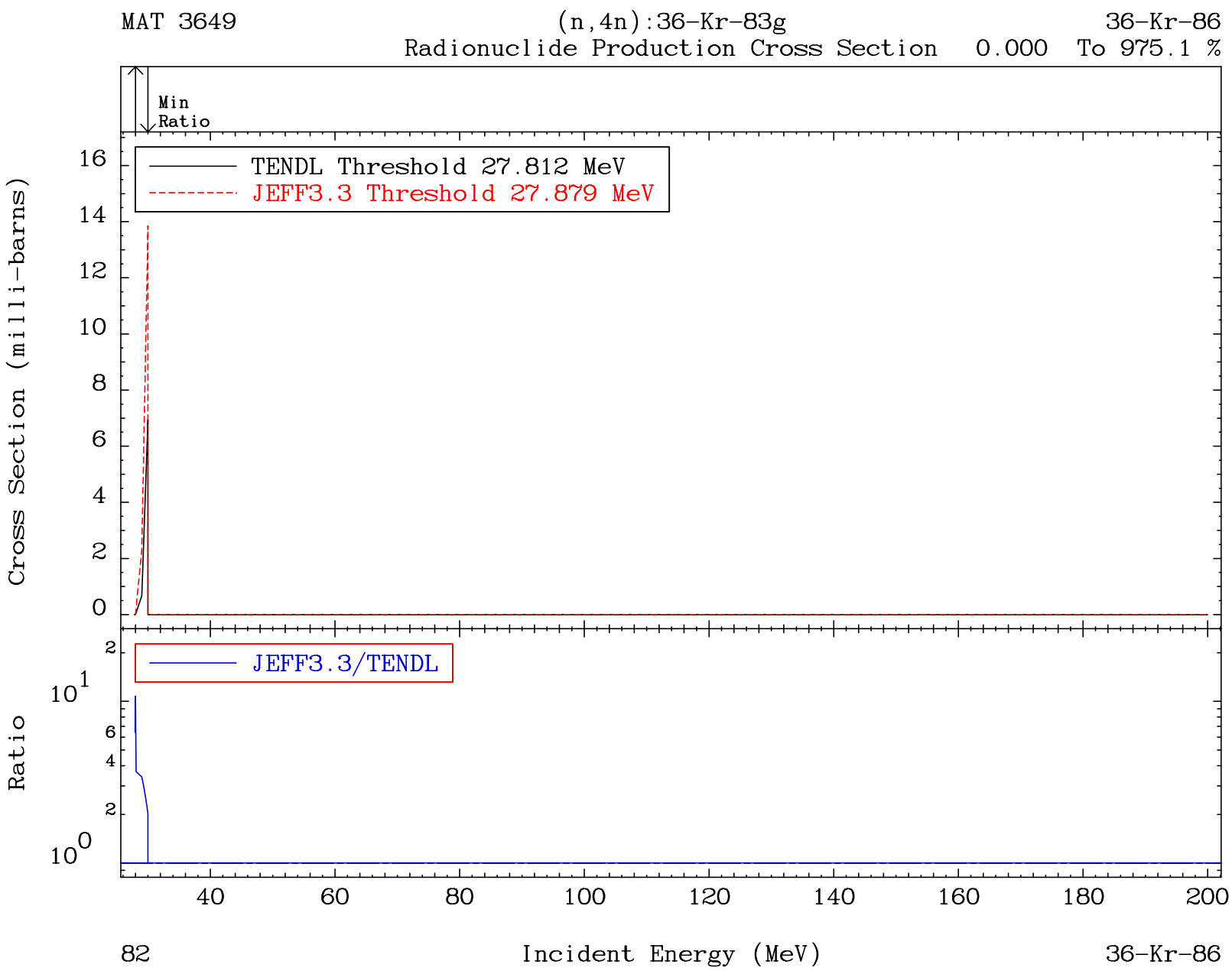

MAT 3649
(n,2n) α:34-Se-81m1
36-Kr-86
Radionuclide Production Cross Section 0.000 To 3208. %
Max Ratio
Min Ratio
TENDL Threshold 17.681 MeV
JEFF3.3 Threshold 20.000 MeV
Cross Section (milli-barns)
0
2
4
6
JEFF3.3/TENDL
Ratio
10^0
4
10^1
4
2
3
4
5
6
7
8
9
10^8
2
77
Incident Energy (eV)
36-Kr-86

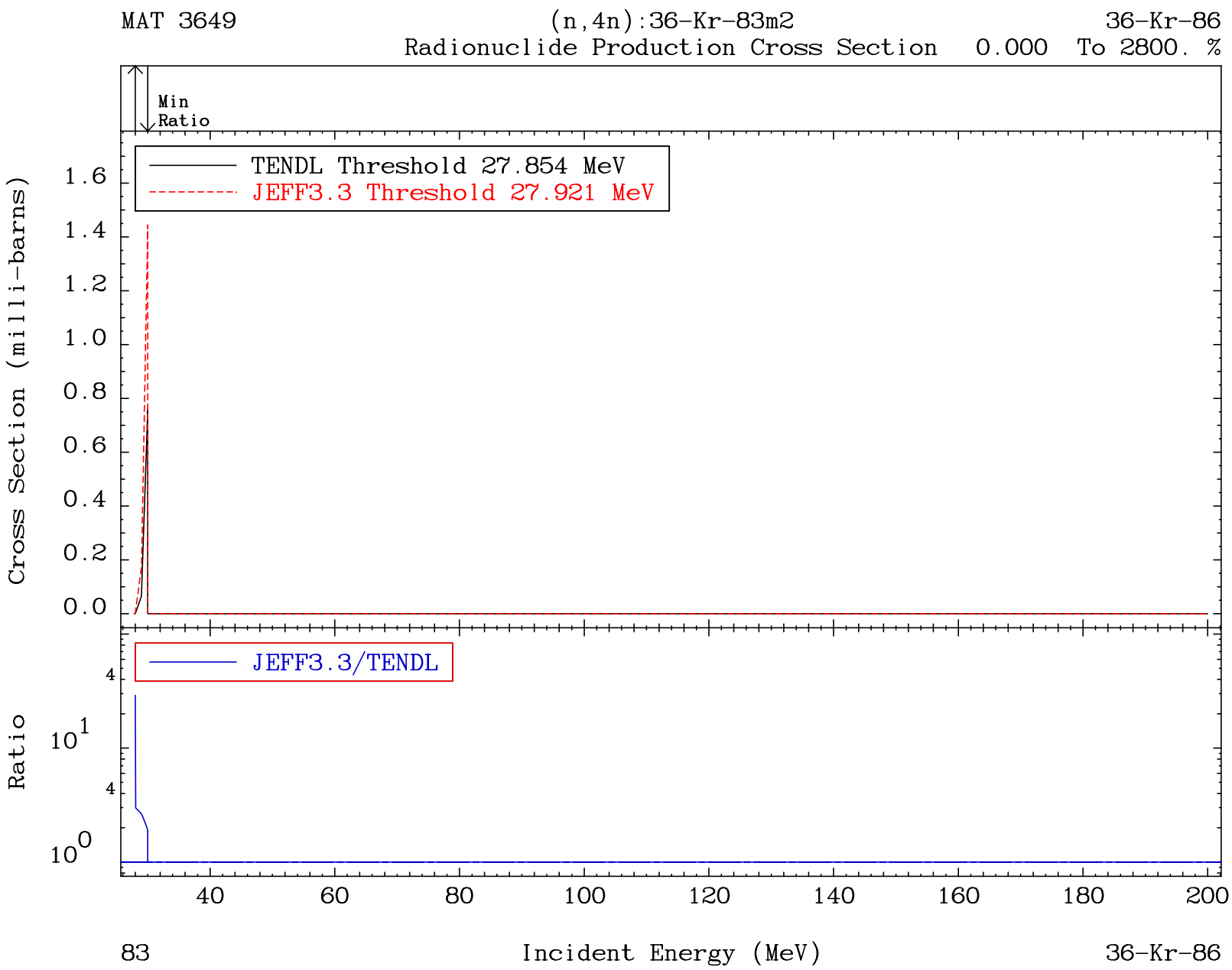

MAT 3649
(n,n') d:35-Br-84g
36-Kr-86
Radionuclide Production Cross Section -74.46 To 17.19 %
Max
Ratio
TENDL Threshold 18.837 MeV
JEFF3.3 Threshold 18.904 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.2
0.8
0.4
2
3
4
5
6
7
8
9
10^8
2
78
Incident Energy (eV)
36-Kr-86

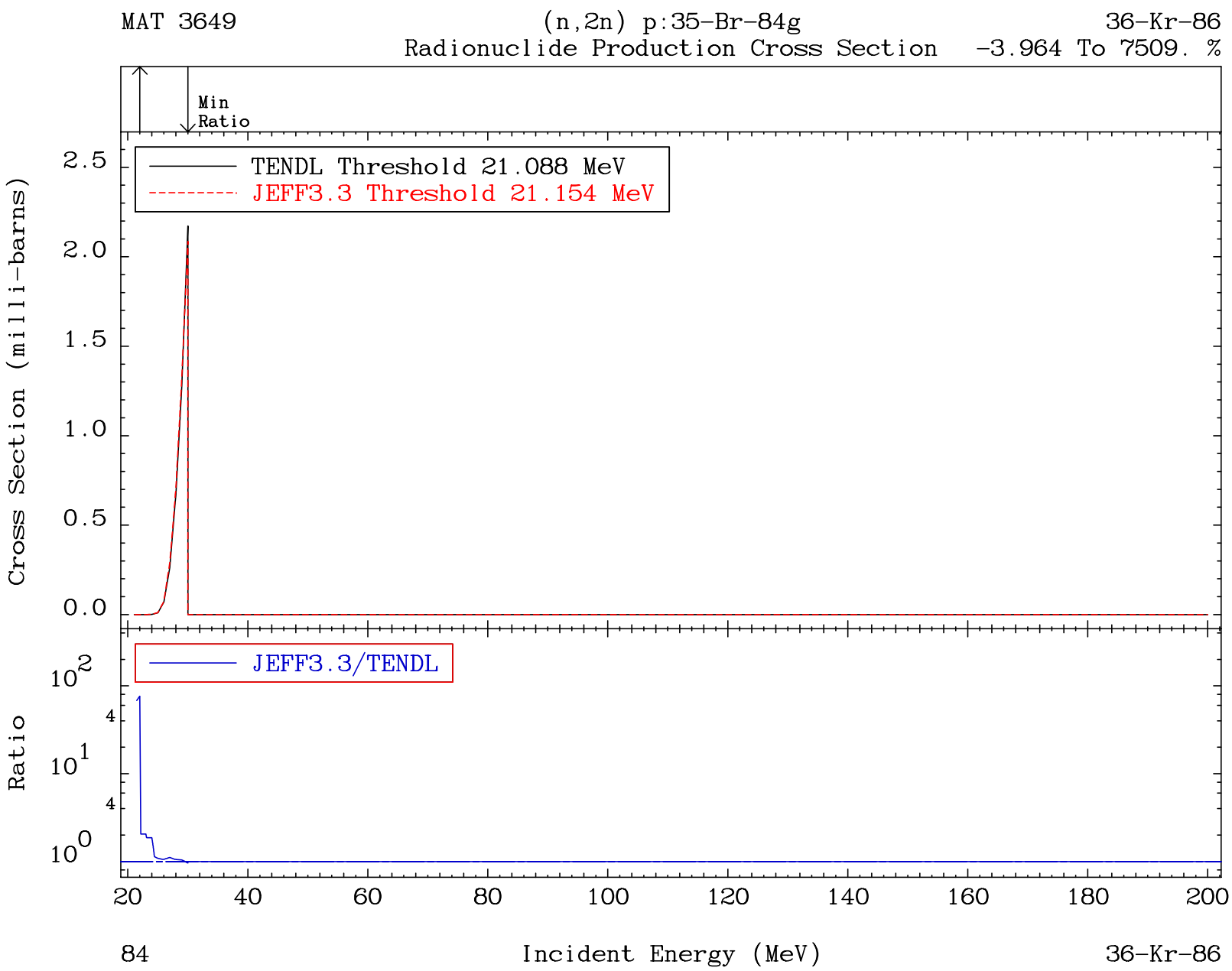

MAT 3649
(n,n') d:35-Br-84m1
36-Kr-86
Radionuclide Production Cross Section -10.30 To 153.2 %
Min Ratio
TENDL Threshold 19.161 MeV
JEFF3.3 Threshold 19.227 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
79
36-Kr-86

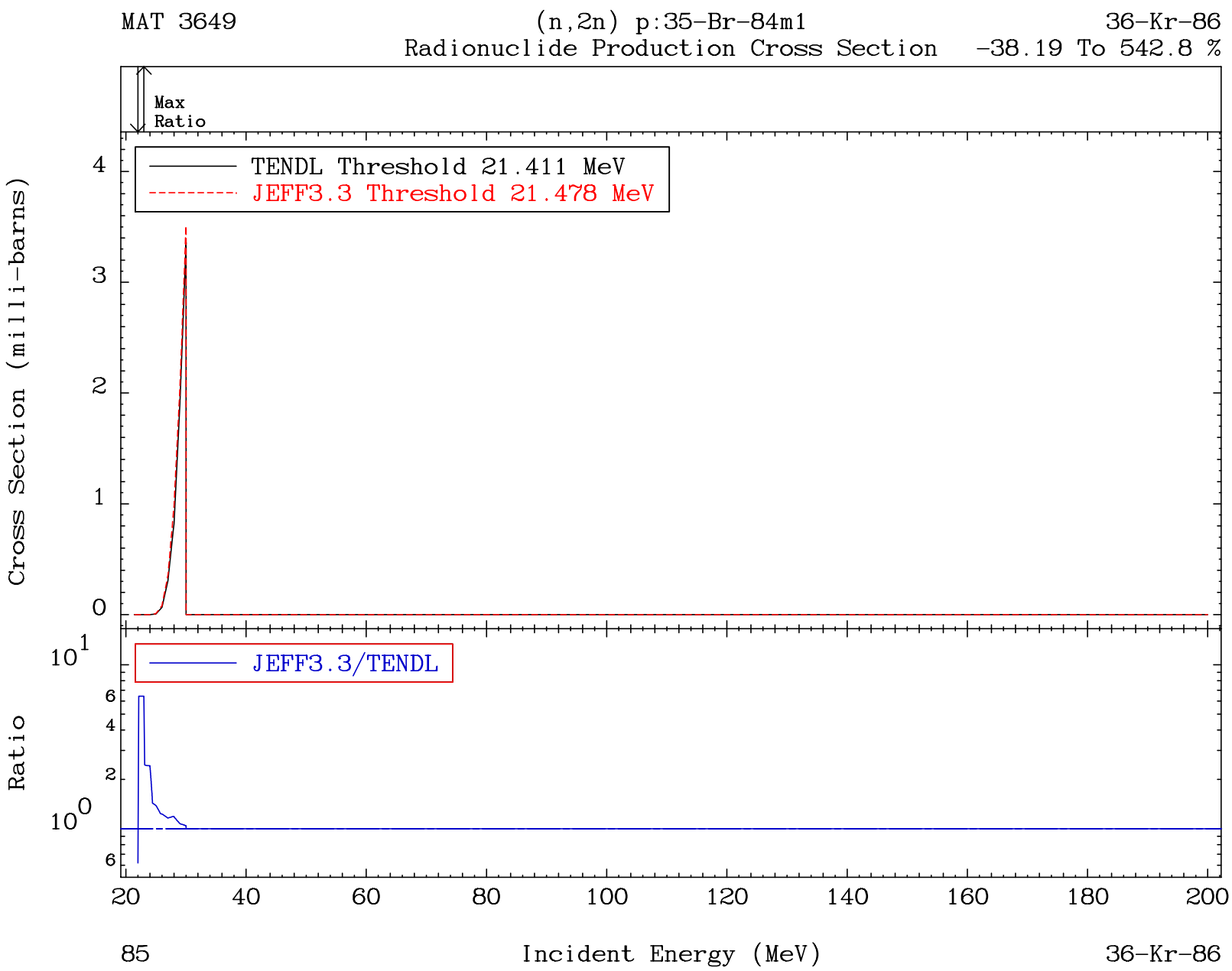

MAT 3649
(n,n') He-3:34-Se-83g
36-Kr-86
Radionuclide Production Cross Section
-25.62 To 40.47 %
Min
Ratio
TENDL Threshold 23.125 MeV
JEFF3.3 Threshold 23.191 MeV
Cross Section (10^{-9} barns)
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.6
1.2
0.8
40
60
80
100
120
140
160
180
200
80
Incident Energy (MeV)
36-Kr-86

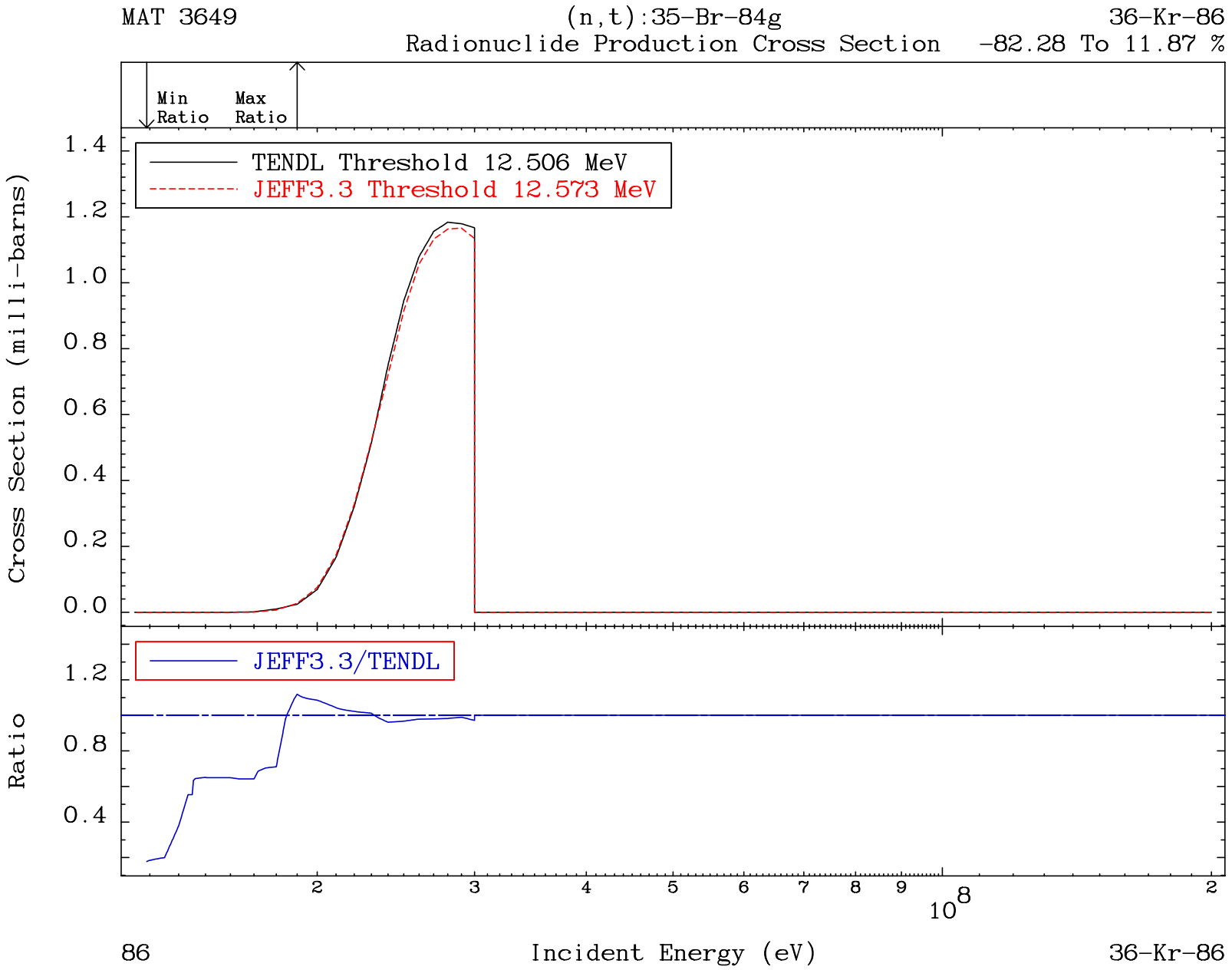

MAT 3649
(n,n') He-3:34-Se-83m1
36-Kr-86
Radionuclide Production Cross Section
-31.66 To 0.000 %
Max Ratio
TENDL Threshold 26.000 MeV
JEFF3.3 Threshold 23.422 MeV
Cross Section (10^{-9} barns)
0
1
2
3
4
JEFF3.3/TENDL
Ratio
0.7
0.8
0.9
1.0
40
60
80
100
120
140
160
180
200
81
Incident Energy (MeV)
36-Kr-86

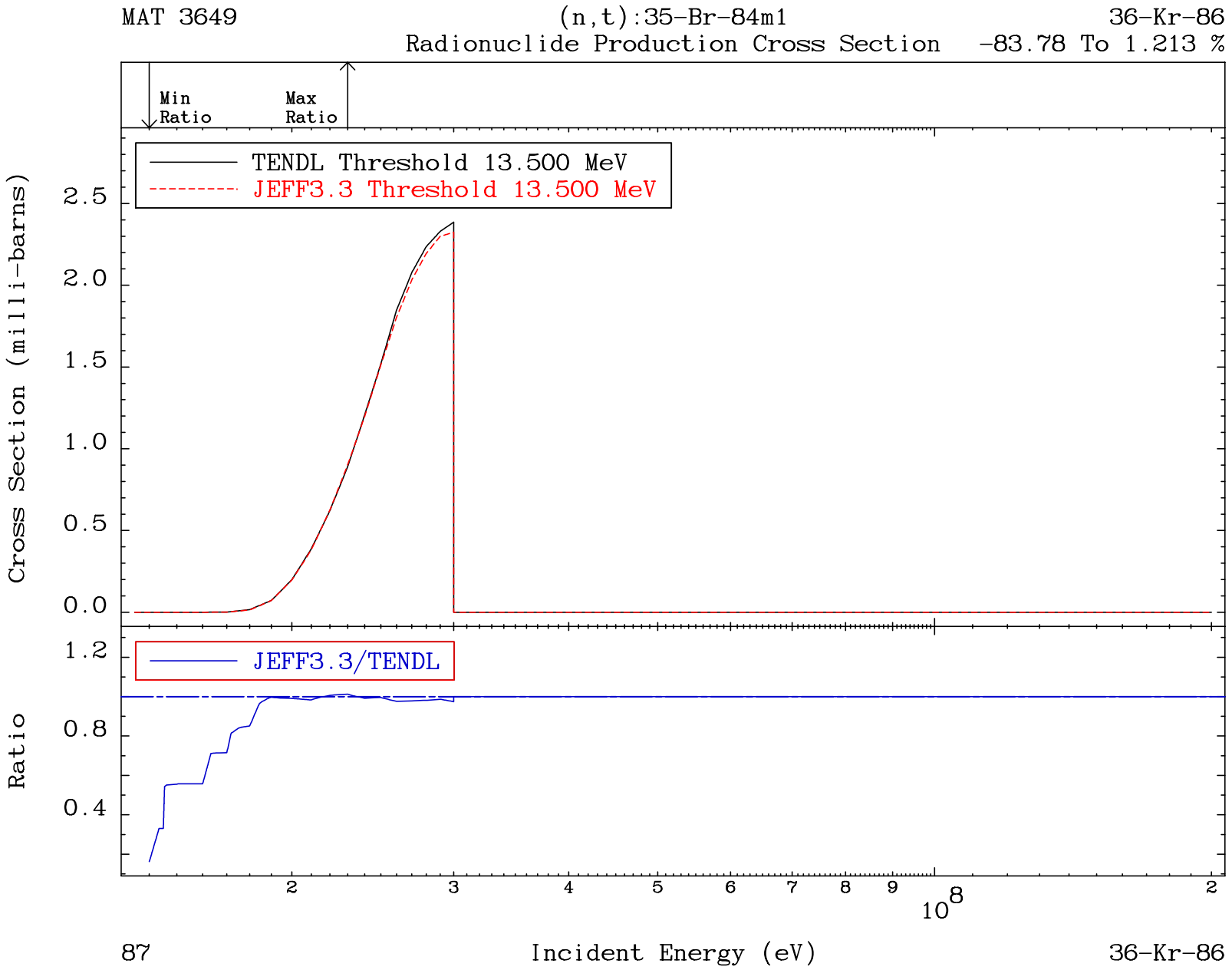

MAT 3649
(n,4n):36-Kr-83g
36-Kr-86
Radionuclide Production Cross Section 0.000 To 975.1 %
Min
Ratio
TENDL Threshold 27.812 MeV
JEFF3.3 Threshold 27.879 MeV
Cross Section (milli-barns)
16
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
2
10^1
6
4
2
10^0
40
60
80
100
120
140
160
180
200
82
Incident Energy (MeV)
36-Kr-86

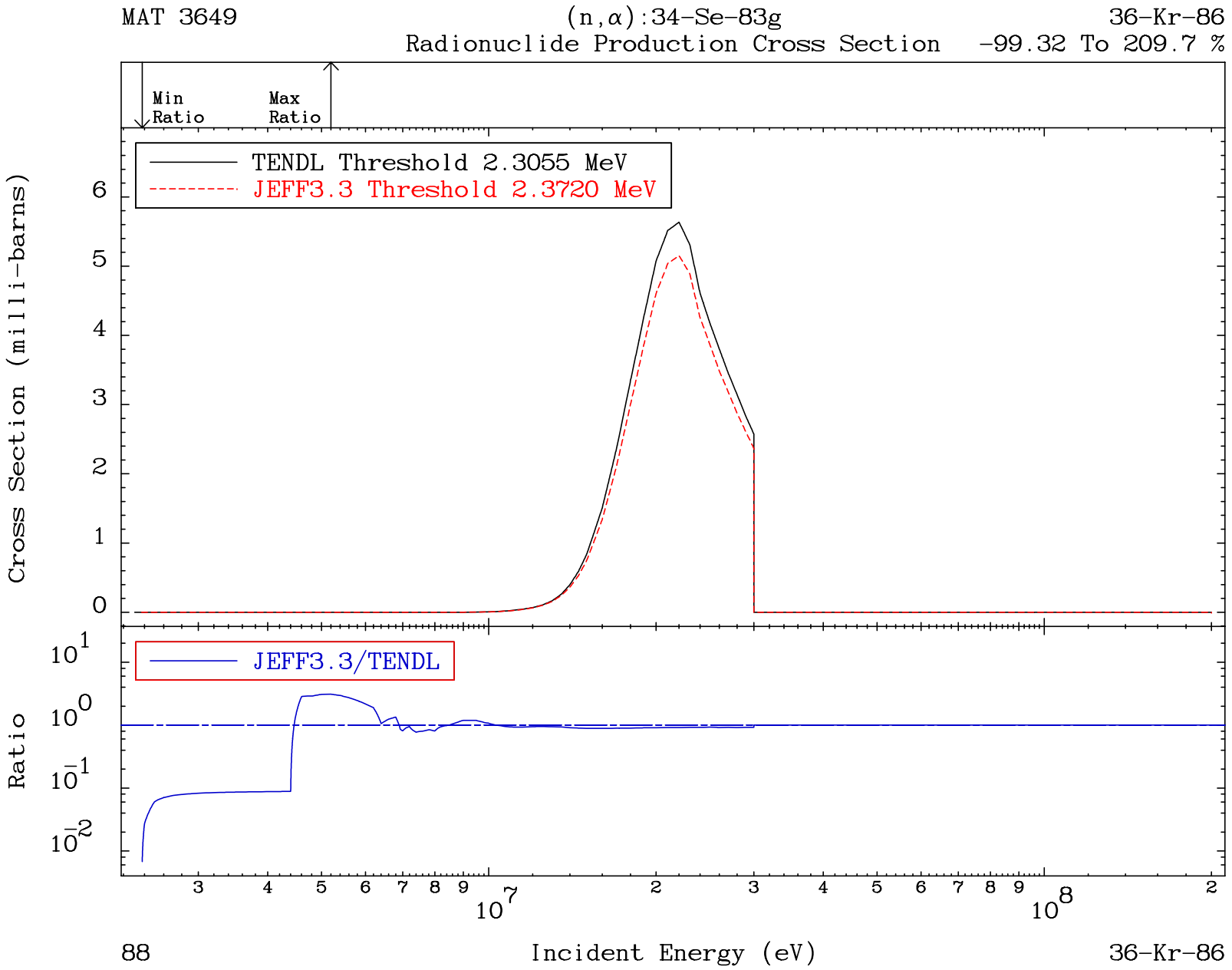

MAT 3649
(n,4n):36-Kr-83m2
36-Kr-86
Radionuclide Production Cross Section 0.000 To 2800. %
Min
Ratio
TENDL Threshold 27.854 MeV
JEFF3.3 Threshold 27.921 MeV
Cross Section (milli-barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
4
10^1
4
10^0
40
60
80
100
120
140
160
180
200
83
Incident Energy (MeV)
36-Kr-86

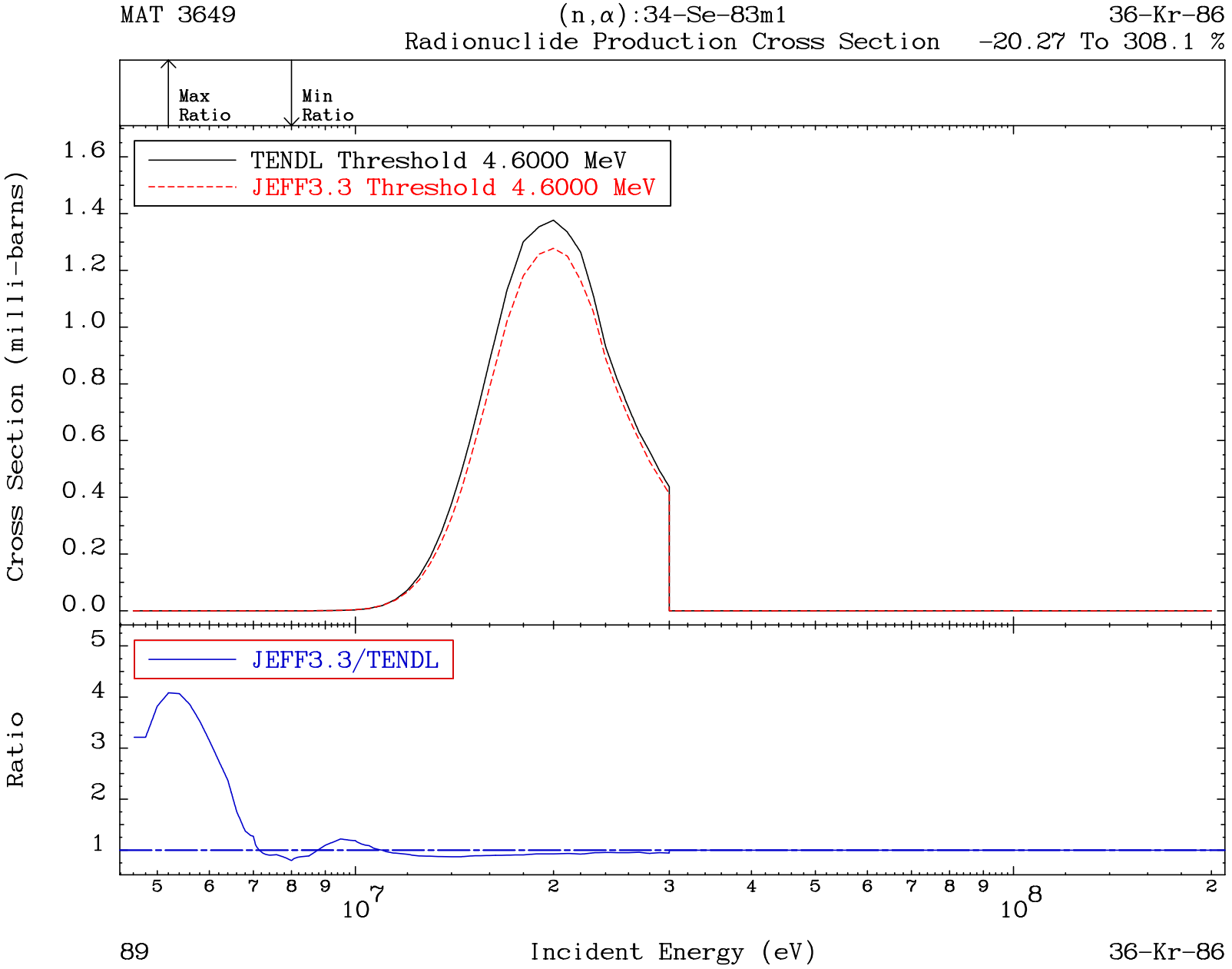

MAT 3649
(n,2n) p:35-Br-84g
36-Kr-86
Radionuclide Production Cross Section -3.964 To 7509. %
Min
Ratio
TENDL Threshold 21.088 MeV
JEFF3.3 Threshold 21.154 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
20
40
60
80
100
120
140
160
180
200
84
Incident Energy (MeV)
36-Kr-86

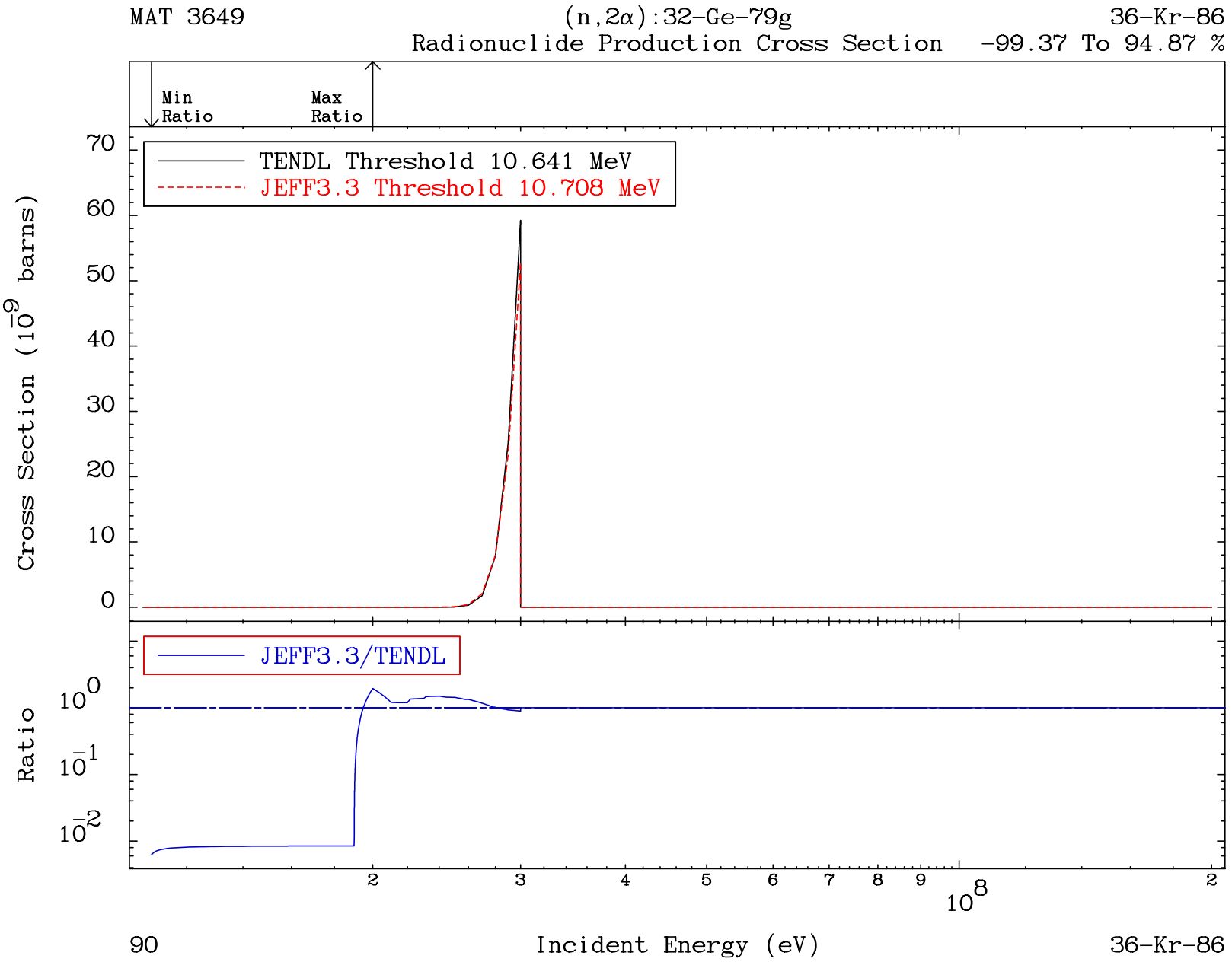

MAT 3649
(n,2n) p:35-Br-84m1
36-Kr-86
Radionuclide Production Cross Section -38.19 To 542.8 %
Max Ratio
TENDL Threshold 21.411 MeV
JEFF3.3 Threshold 21.478 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (MeV)
85
36-Kr-86

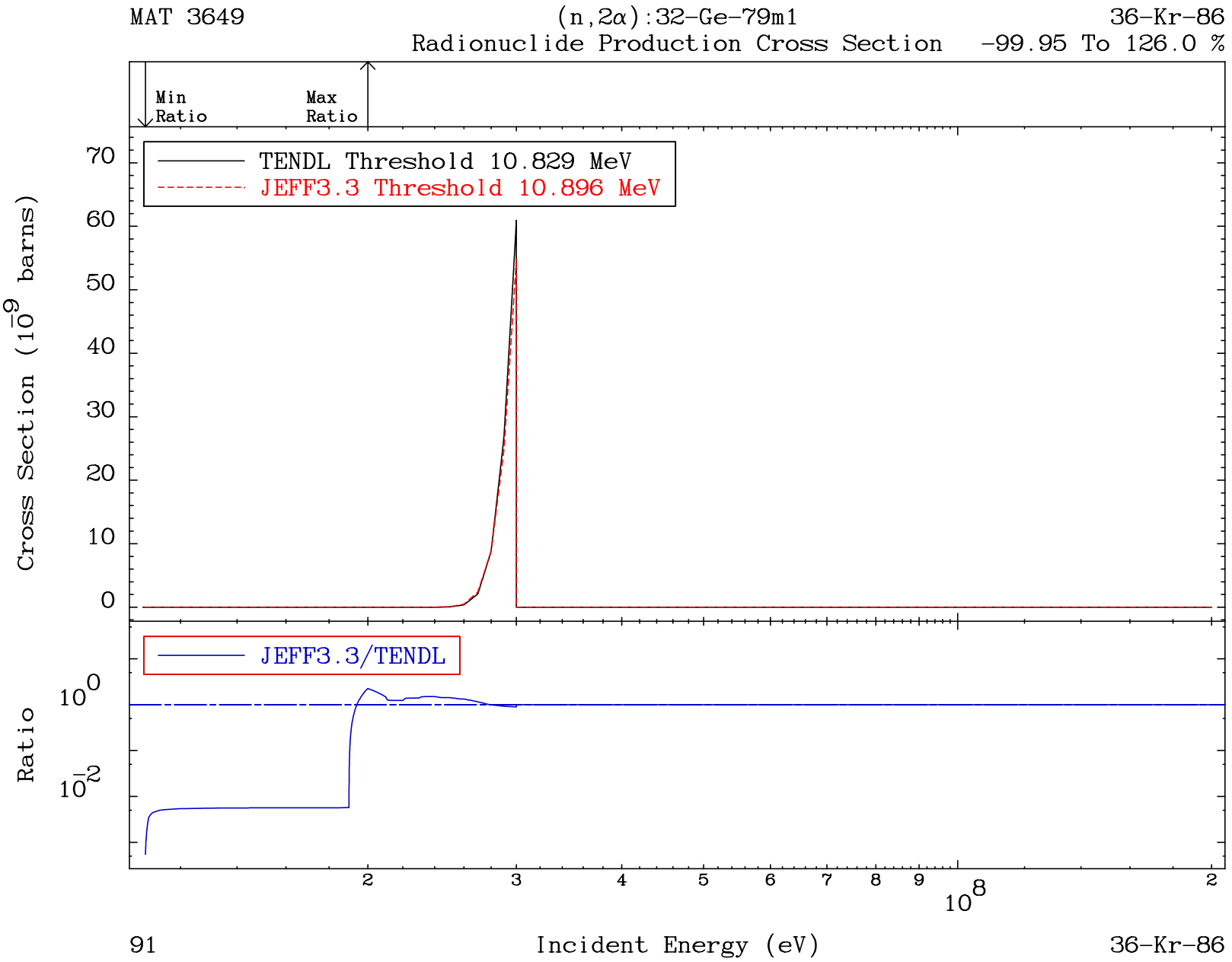

MAT 3649
(n,t):35-Br-84g
36-Kr-86
Radionuclide Production Cross Section
-82.28 To 11.87 %
Min Ratio
Max Ratio
TENDL Threshold 12.506 MeV
JEFF3.3 Threshold 12.573 MeV
Cross Section (milli-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.2
0.8
0.4
2
3
4
5
6
7
8
9
10^8
2
86
Incident Energy (eV)
36-Kr-86

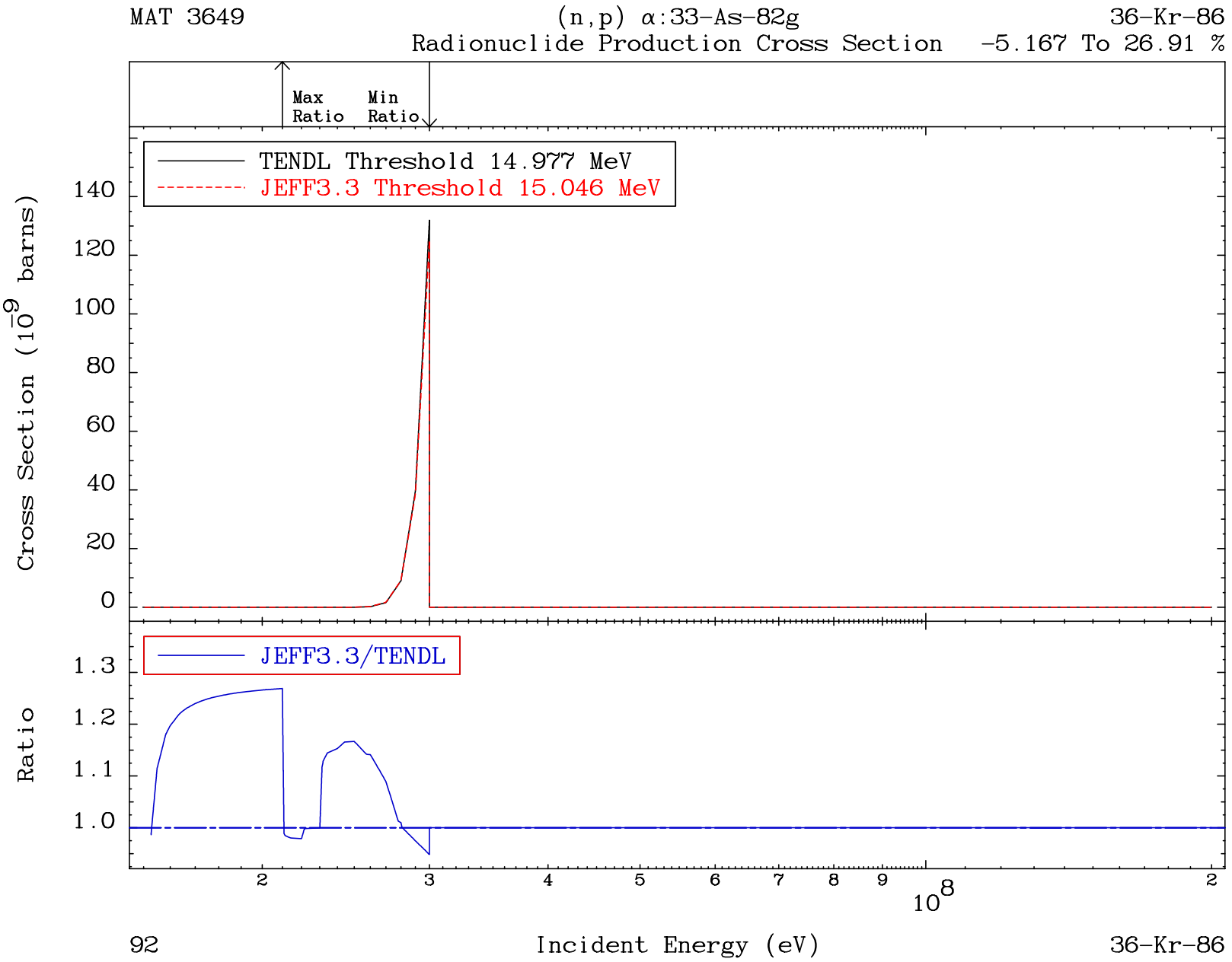

MAT 3649
(n,t):35-Br-84m1
36-Kr-86
Radionuclide Production Cross Section -83.78 To 1.213 %
Min Ratio
Max Ratio
TENDL Threshold 13.500 MeV
JEFF3.3 Threshold 13.500 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.2
0.8
0.4
2
3
4
5
6
7
8
9
10^8
2
87
Incident Energy (eV)
36-Kr-86

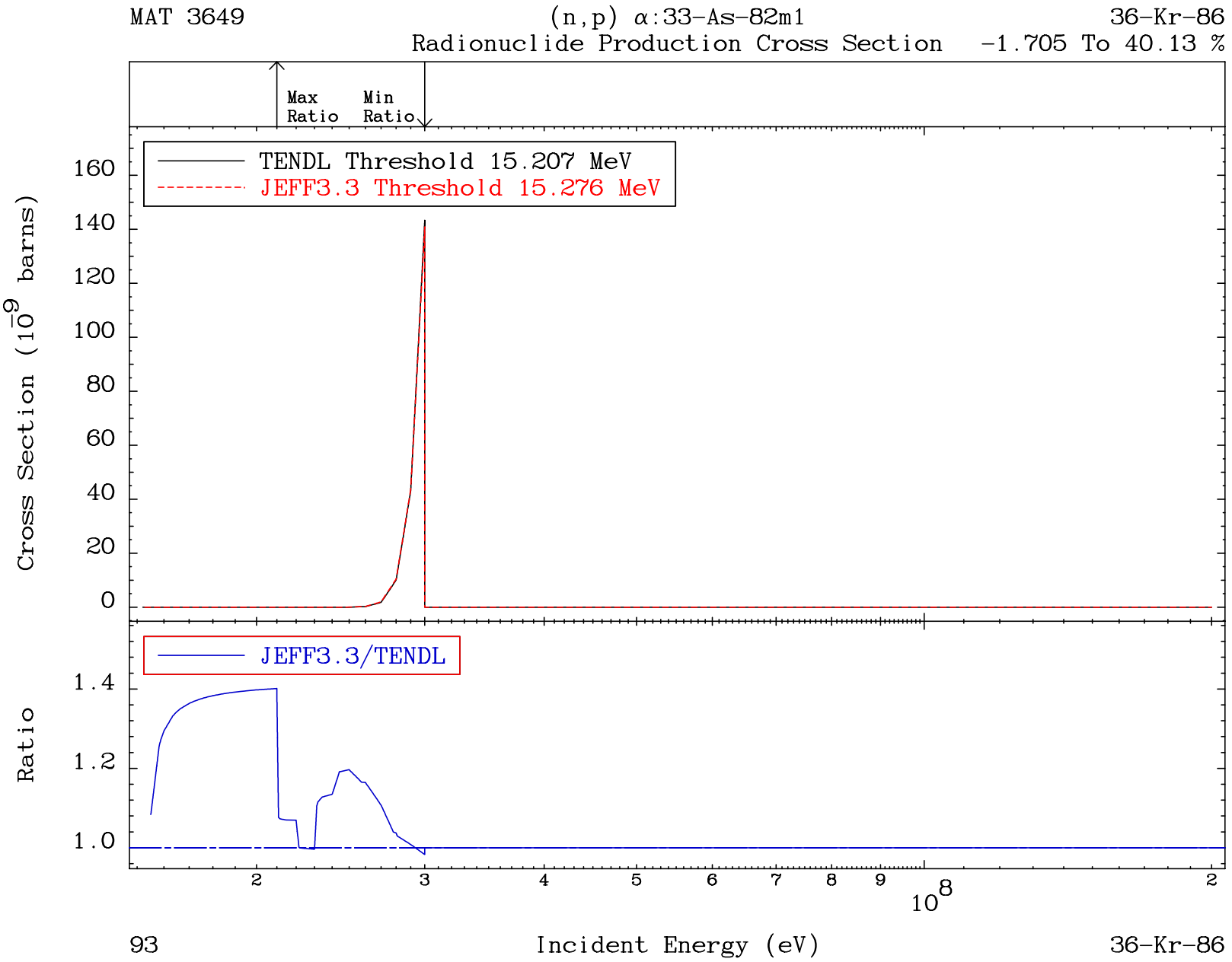

MAT 3649
(n,α):34-Se-83g
36-Kr-86
Radionuclide Production Cross Section
-99.32 To 209.7 %
Min Ratio
Max Ratio
TENDL Threshold 2.3055 MeV
JEFF3.3 Threshold 2.3720 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
88
36-Kr-86


MAT 3649
(n,α):34-Se-83m1
36-Kr-86
Radionuclide Production Cross Section -20.27 To 308.1 %
Max Ratio
Min Ratio
TENDL Threshold 4.6000 MeV
JEFF3.3 Threshold 4.6000 MeV
Cross Section (milli-barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
5
4
3
2
1
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
89
Incident Energy (eV)
36-Kr-86


MAT 3649
(n,2α):32-Ge-79g
36-Kr-86
Radionuclide Production Cross Section
-99.37 To 94.87 %
Min Ratio
Max Ratio
TENDL Threshold 10.641 MeV
JEFF3.3 Threshold 10.708 MeV
Cross Section (10^{-9} barns)
70
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
10^{0}
10^{-1}
10^{-2}
2
3
4
5
6
7
8
9
10^{8}
2
90
Incident Energy (eV)
36-Kr-86


MAT 3649
(n,2α):32-Ge-79m1
36-Kr-86
Radionuclide Production Cross Section -99.95 To 126.0 %
Min Ratio
Max Ratio
TENDL Threshold 10.829 MeV
JEFF3.3 Threshold 10.896 MeV
Cross Section (10^{-9} barns)
70
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
10^{0}
10^{-2}
2
3
4
5
6
7
8
9
10^{8}
2
91
Incident Energy (eV)
36-Kr-86


MAT 3649
(n,p) α:33-As-82g
36-Kr-86
Radionuclide Production Cross Section -5.167 To 26.91 %
Max Ratio
Min Ratio
TENDL Threshold 14.977 MeV
JEFF3.3 Threshold 15.046 MeV
Cross Section (10^{-9} barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.3
1.2
1.1
1.0
2
3
4
5
6
7
8
9
10^8
2
92
Incident Energy (eV)
36-Kr-86


MAT 3649
(n,p) α:33-As-82m1
36-Kr-86
Radionuclide Production Cross Section -1.705 To 40.13 %
Max Ratio
Min Ratio
TENDL Threshold 15.207 MeV
JEFF3.3 Threshold 15.276 MeV
Cross Section (10^{-9} barns)
160
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.4
1.2
1.0
2
3
4
5
6
7
8
9
10^8
2
93
Incident Energy (eV)
36-Kr-86