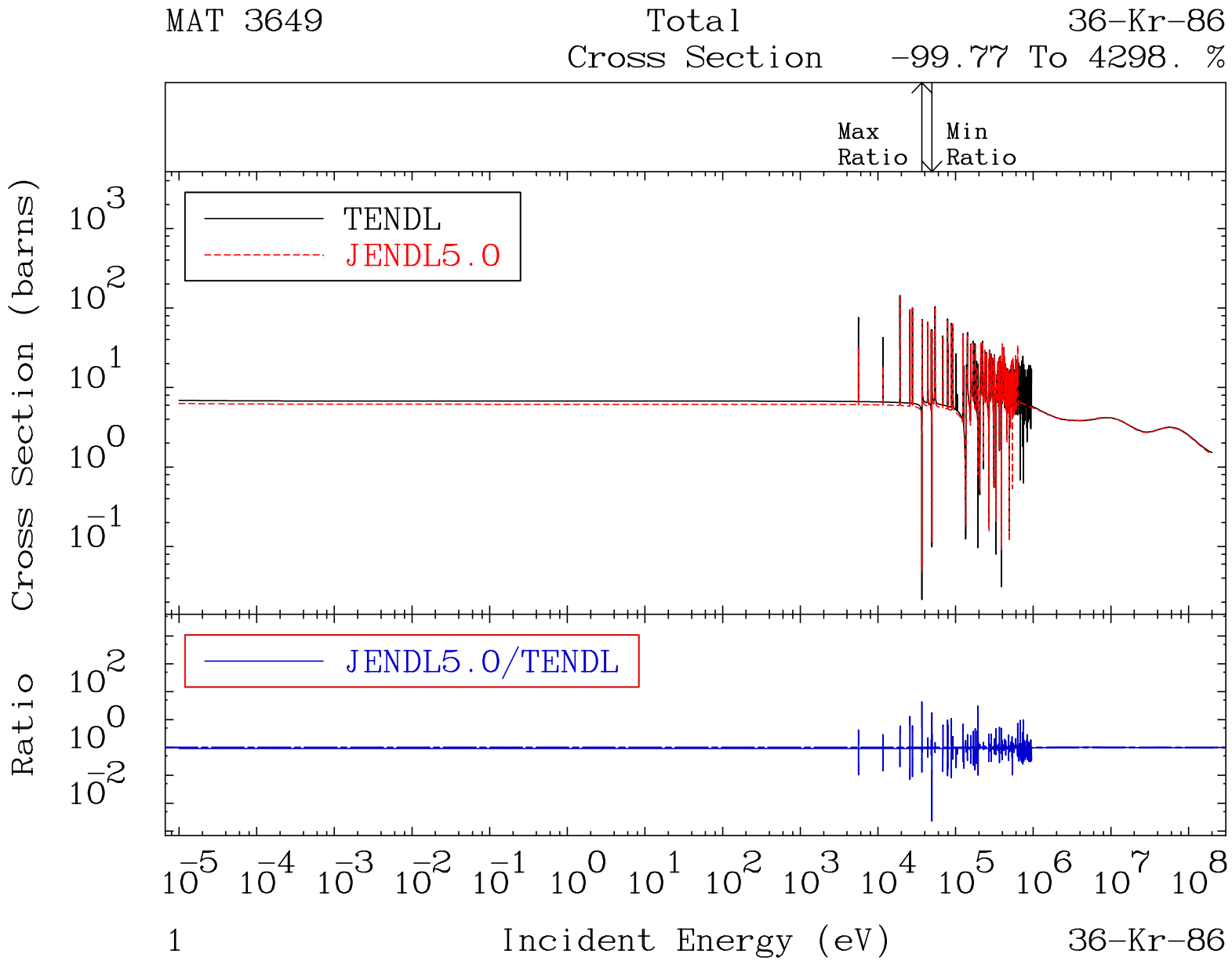
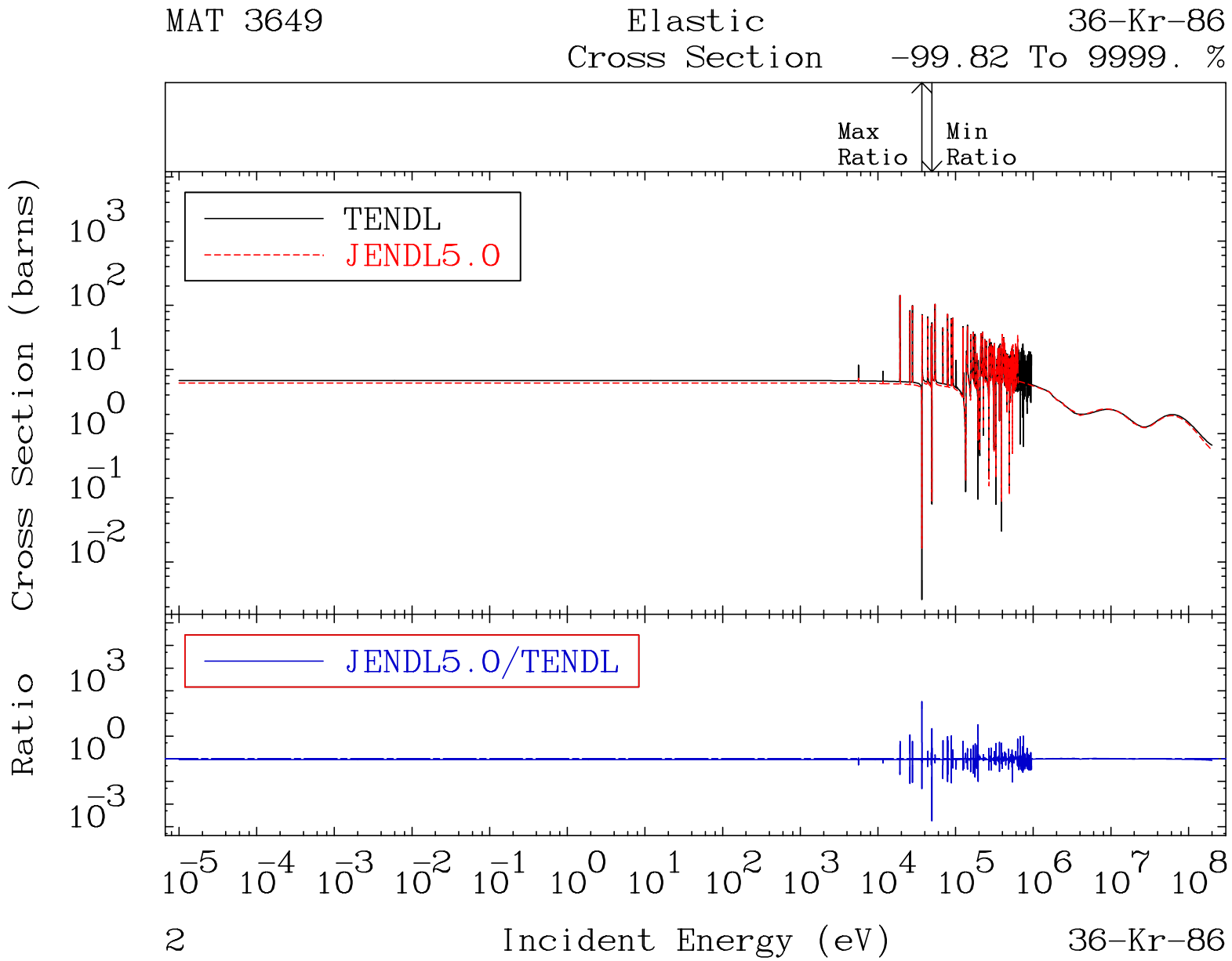
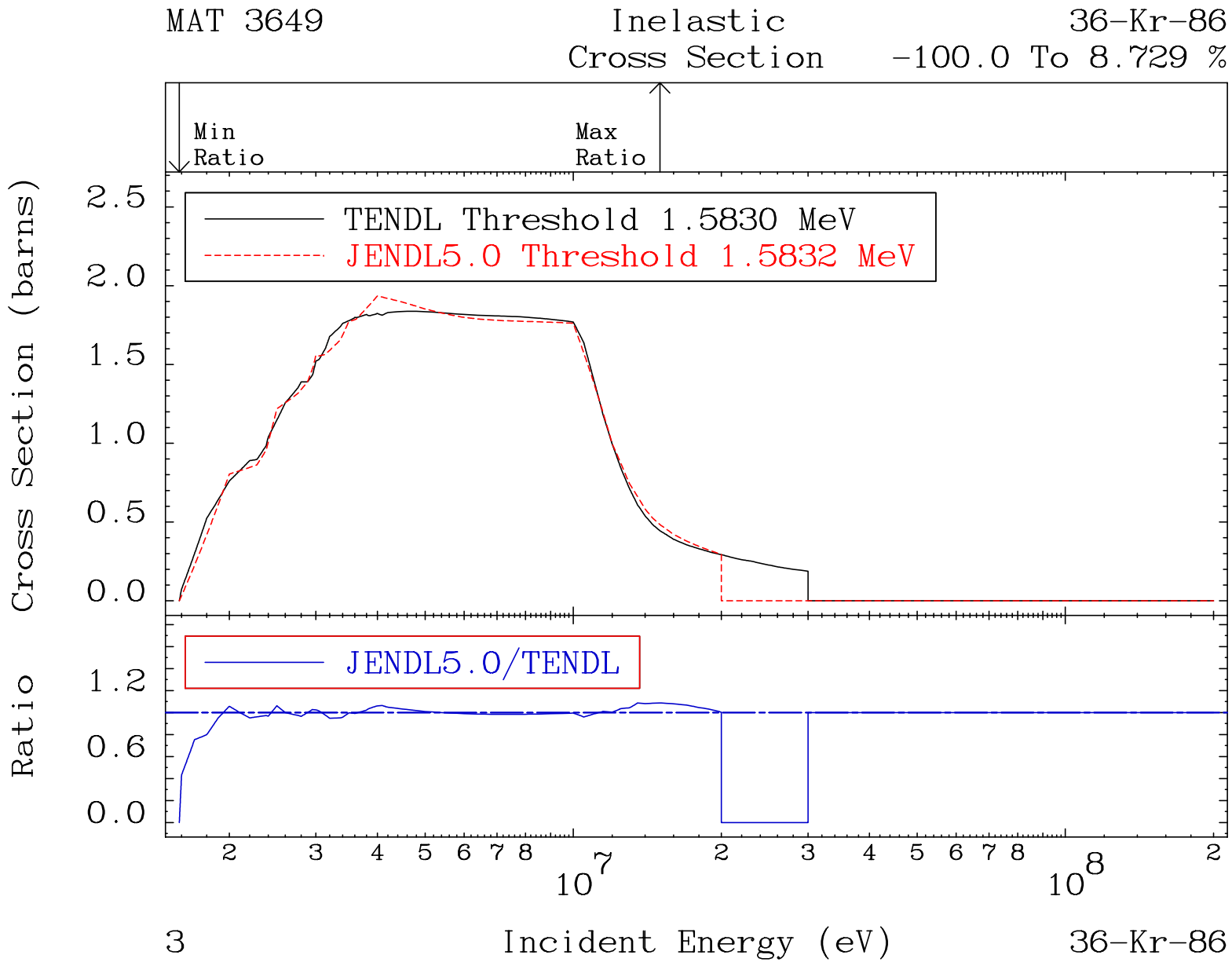
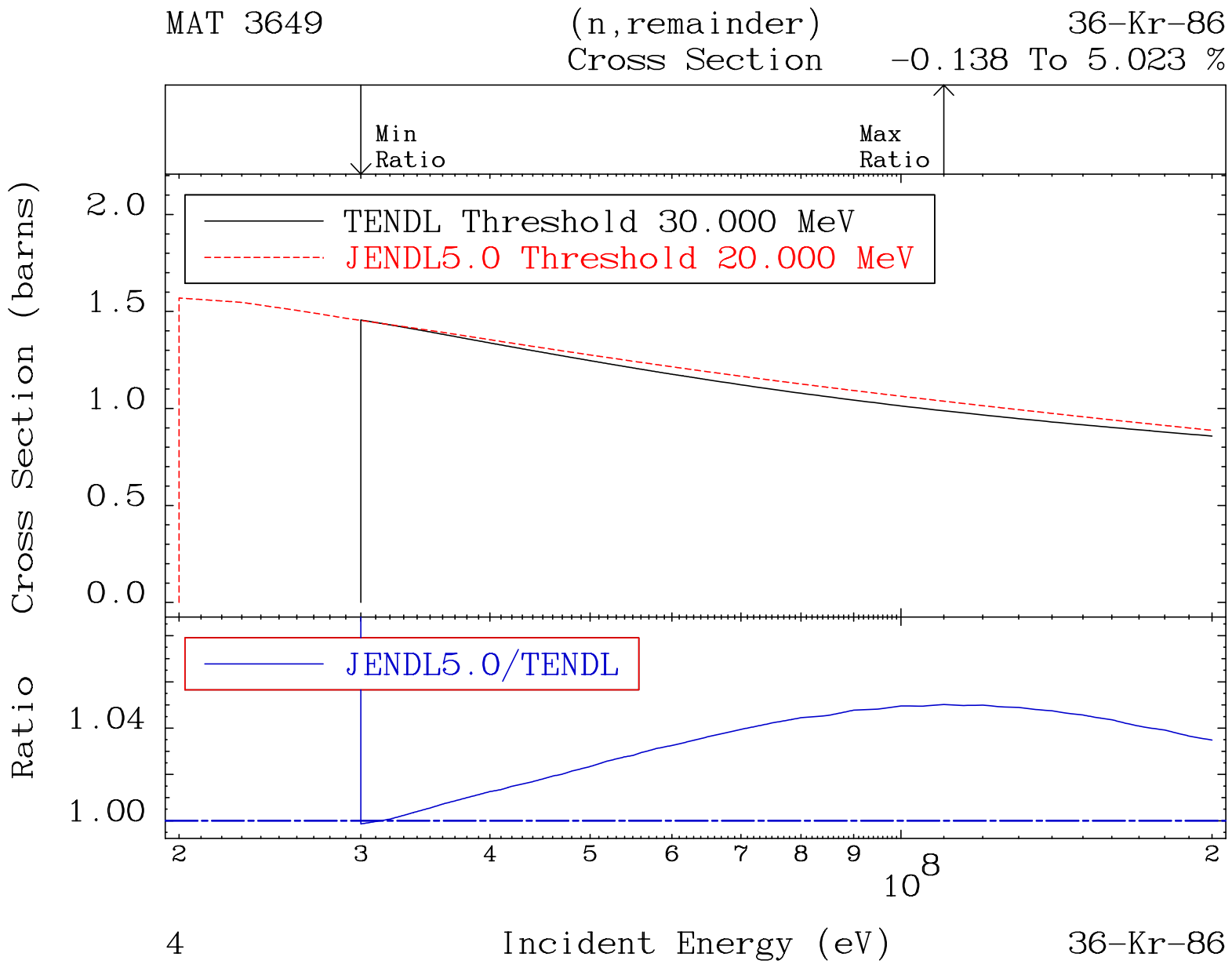
Program Complot
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

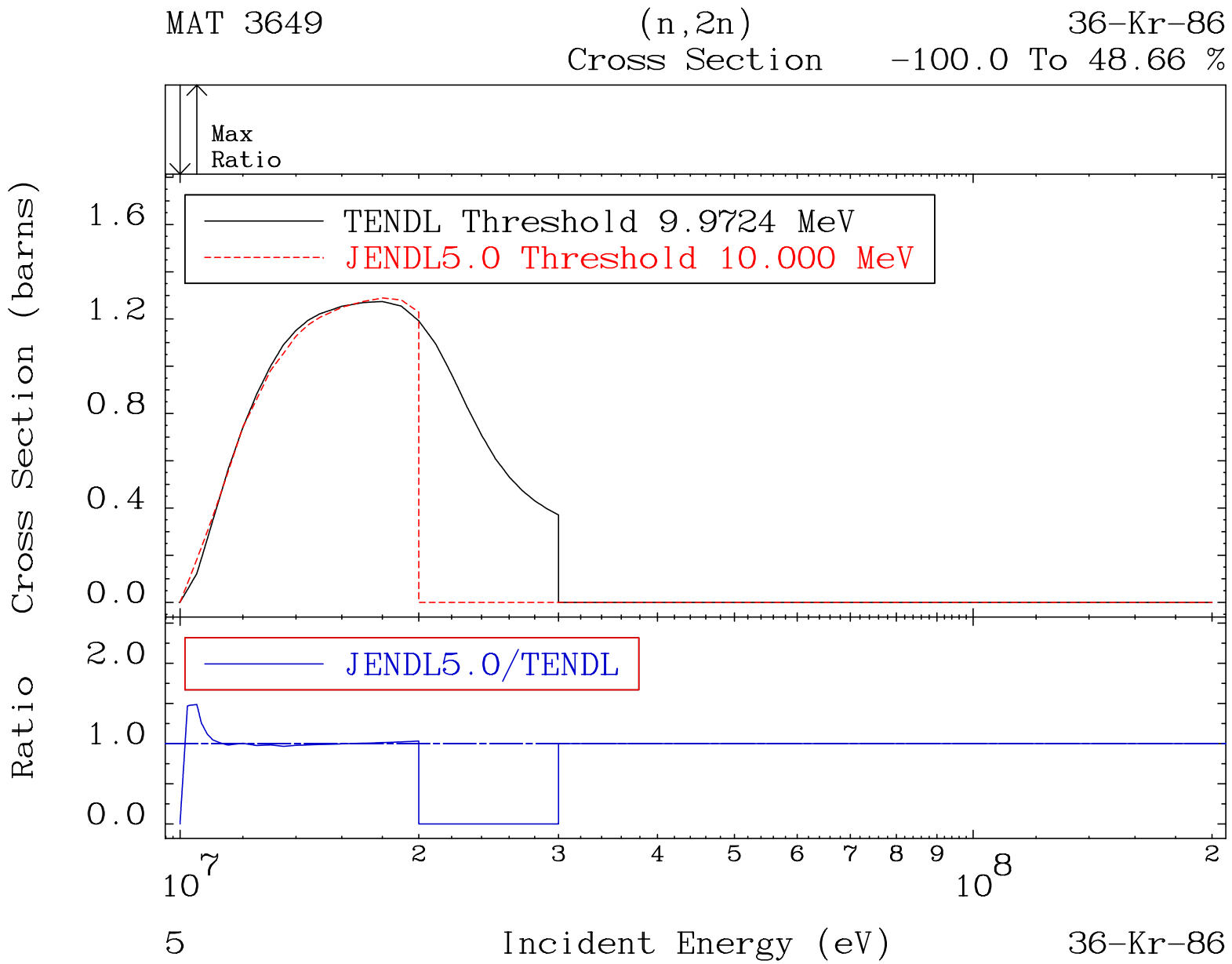
Press Mouse Button to Start

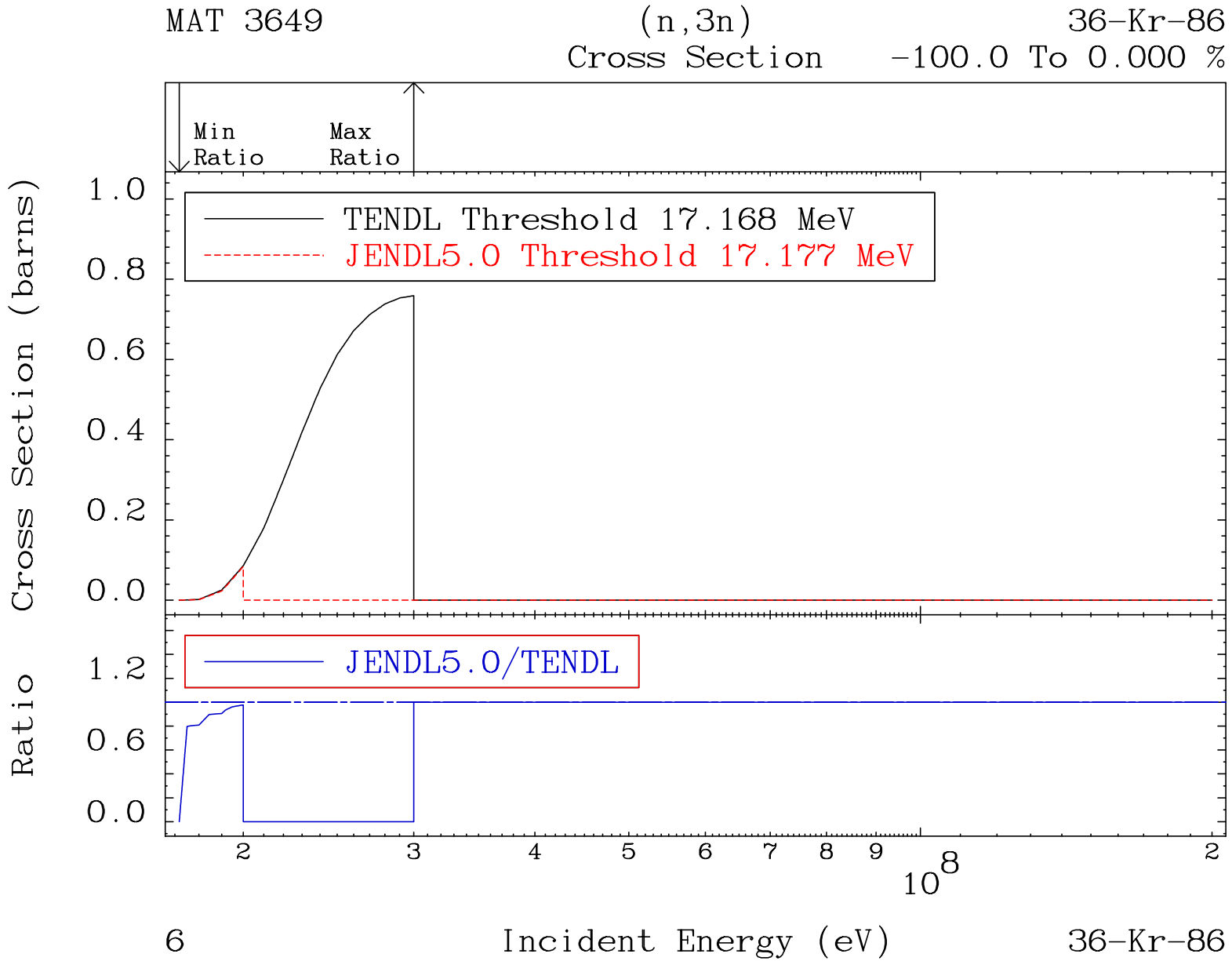

MAT 3649
Total
Cross Section
36-Kr-86
-99.77 To 4298. %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
36-Kr-86

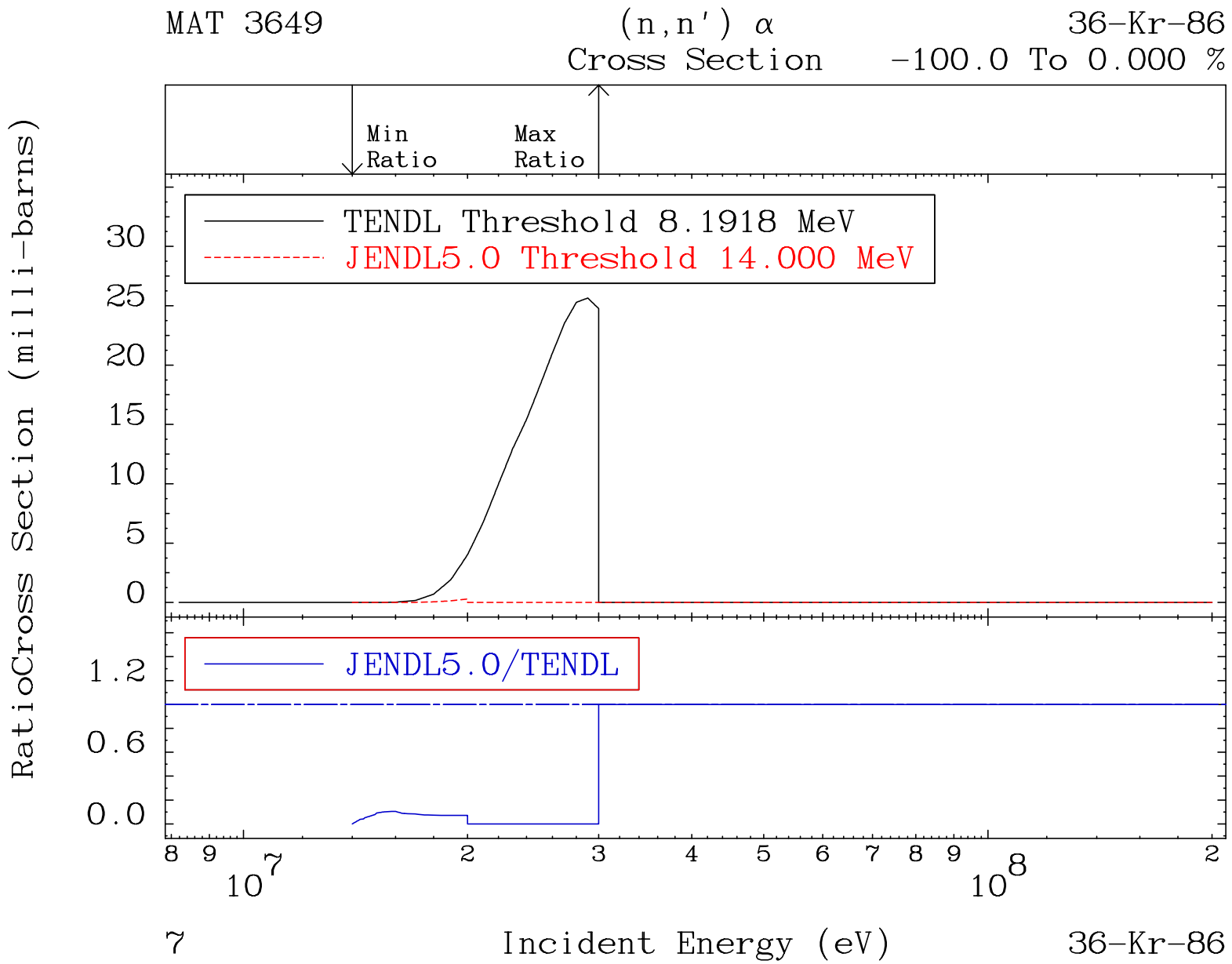

MAT 3649
Elastic
Cross Section
36-Kr-86
-99.82 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
2
36-Kr-86

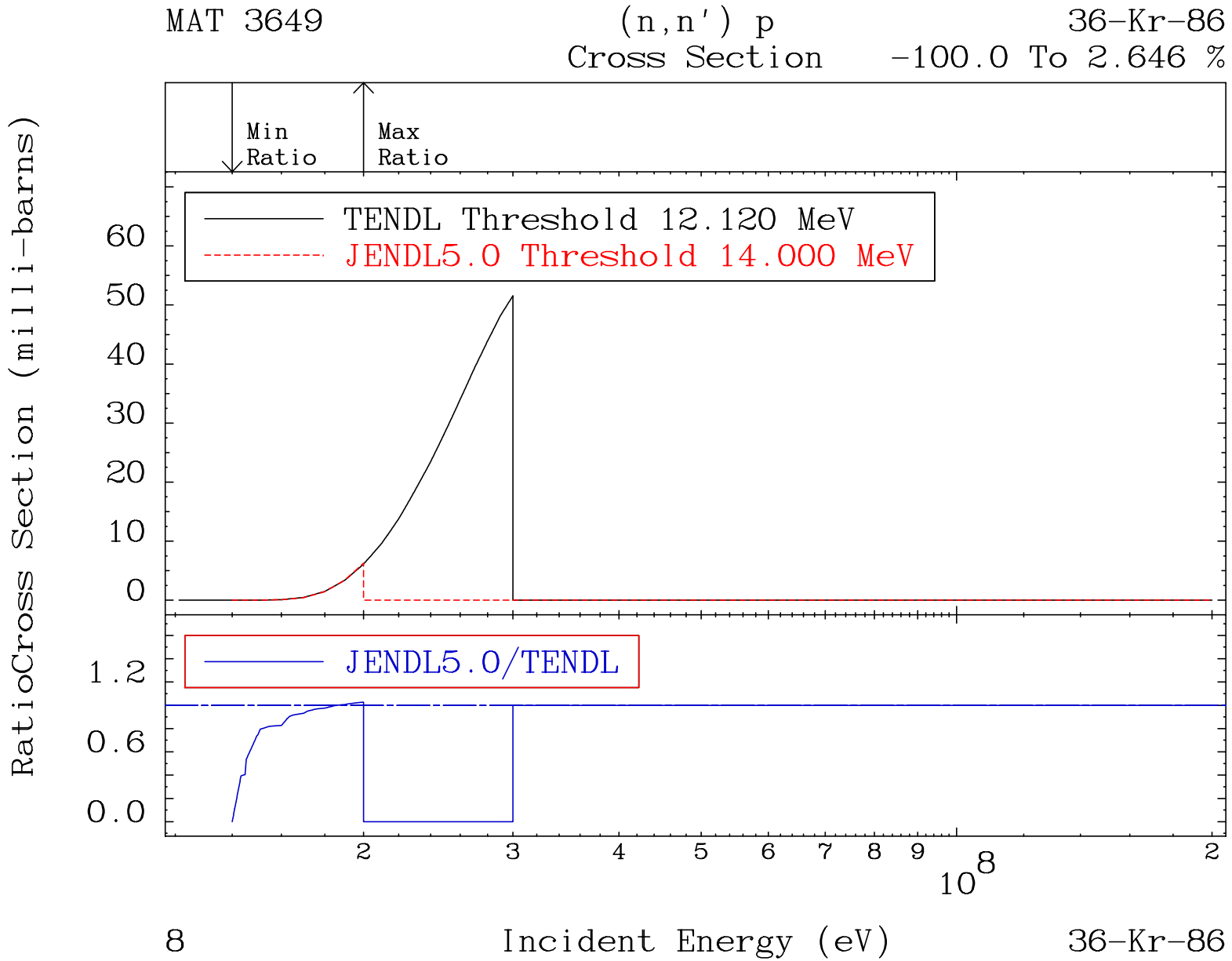

MAT 3649
Inelastic
Cross Section
36-Kr-86
-100.0 To 8.729 %
Min Ratio
Max Ratio
TENDL Threshold 1.5830 MeV
JENDL5.0 Threshold 1.5832 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
Incident Energy (eV)
3
36-Kr-86

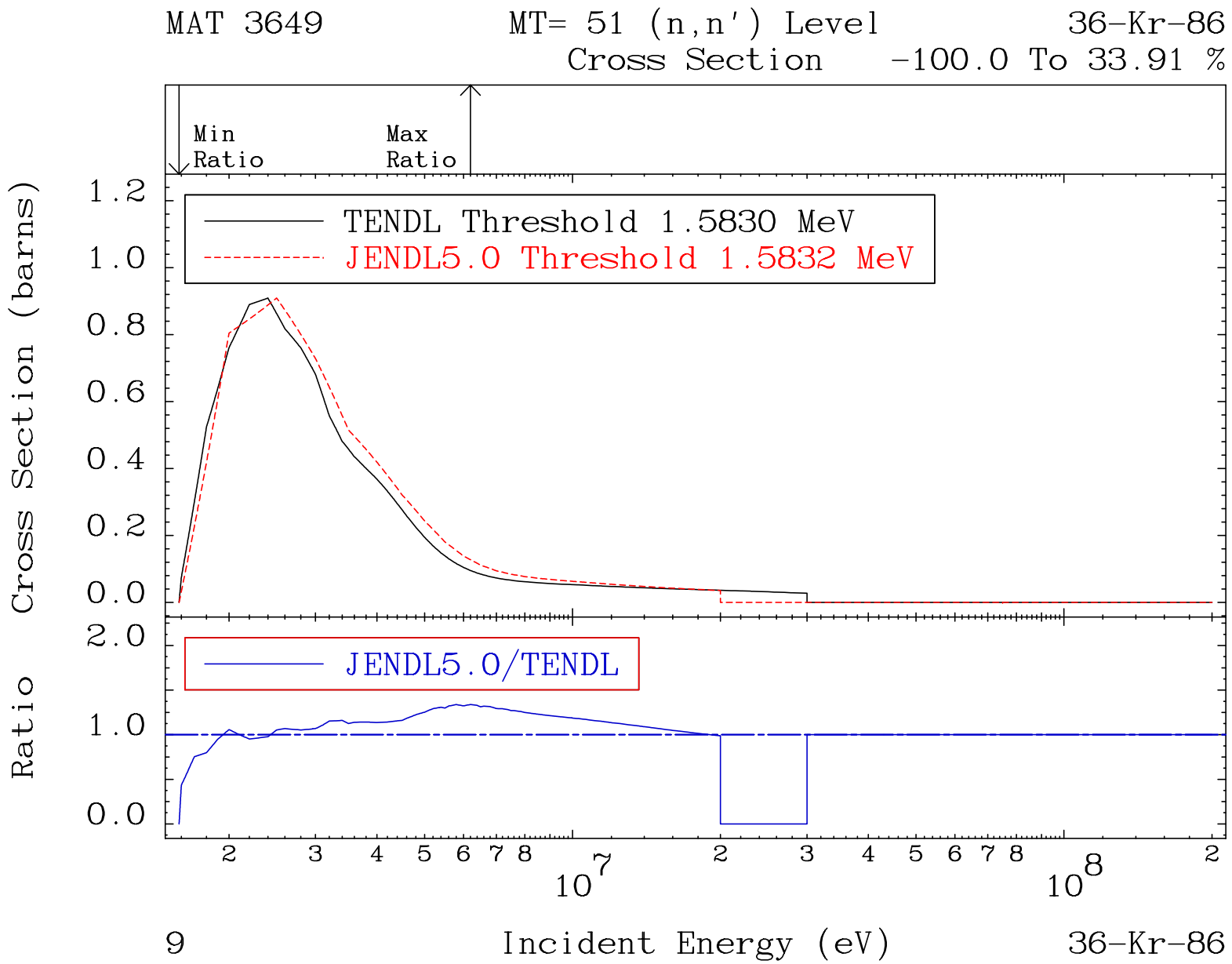

MAT 3649
(n,remainder)
Cross Section
36-Kr-86
-0.138 To 5.023 %
Min
Ratio
Max
Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.04
1.00
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
36-Kr-86

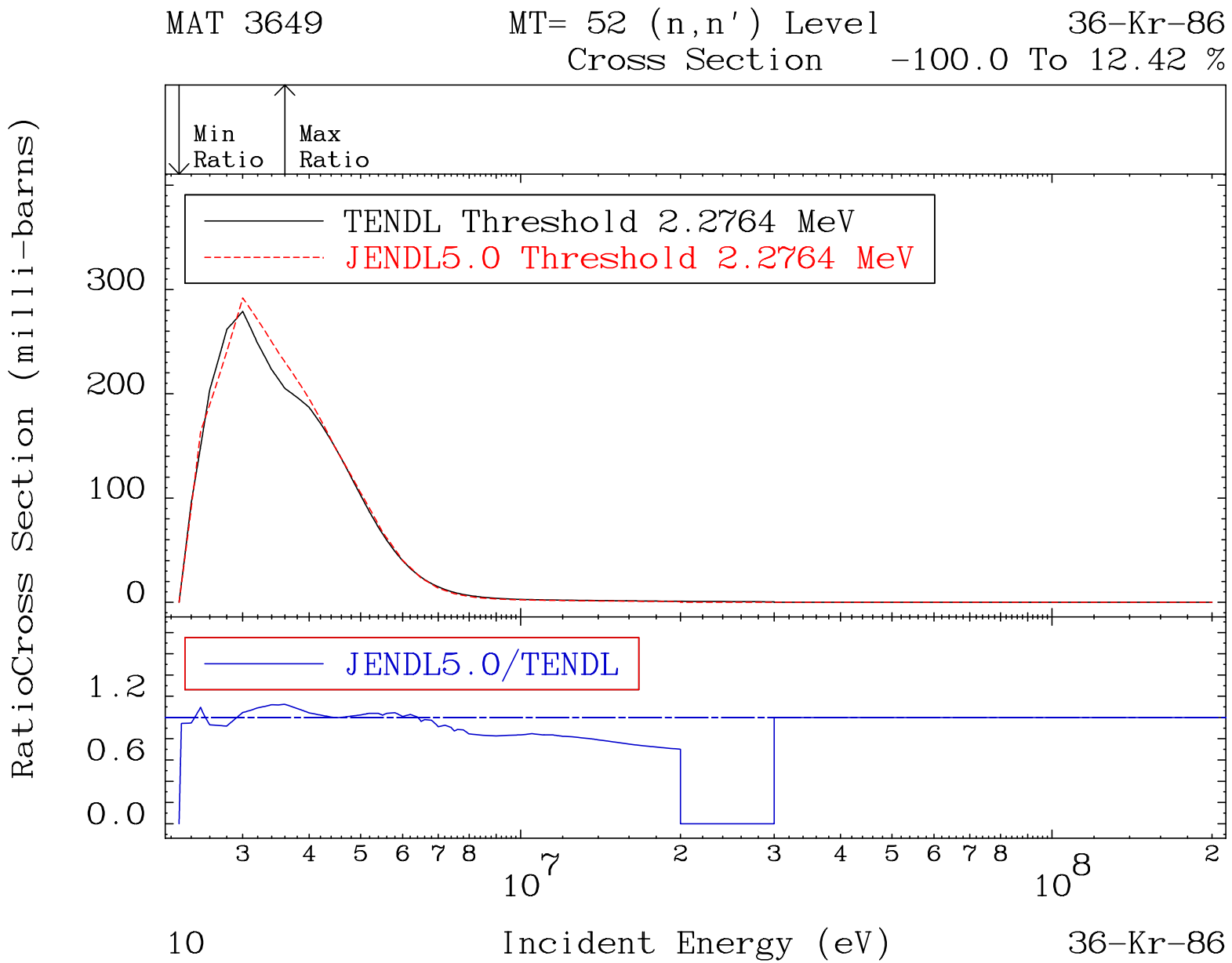

MAT 3649
(n,2n)
Cross Section
36-Kr-86
-100.0 To 48.66 %
Max
Ratio
TENDL Threshold 9.9724 MeV
JENDL5.0 Threshold 10.000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
2.0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
36-Kr-86

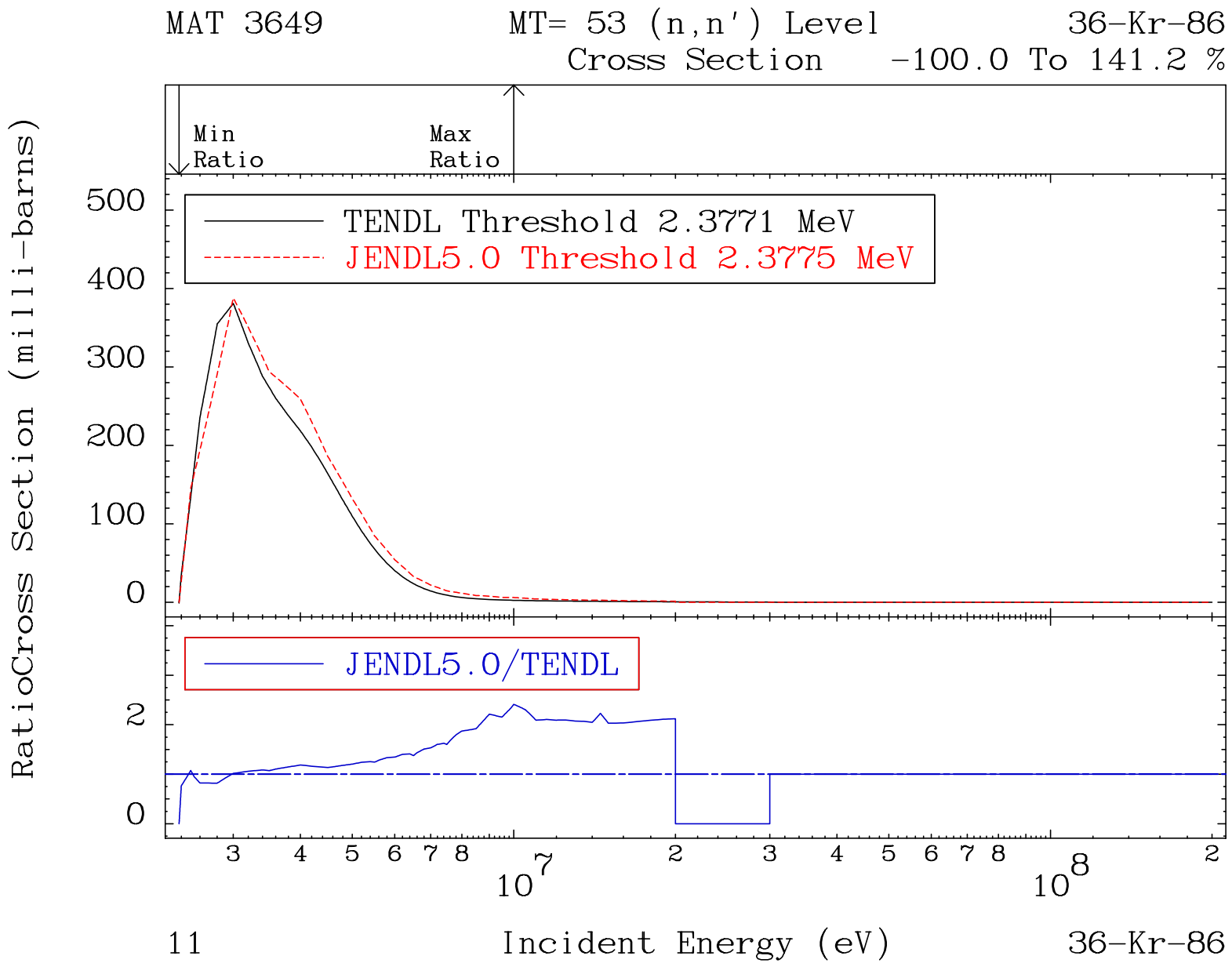

MAT 3649
(n,3n)
Cross Section
36-Kr-86
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 17.168 MeV
JENDL5.0 Threshold 17.177 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
36-Kr-86

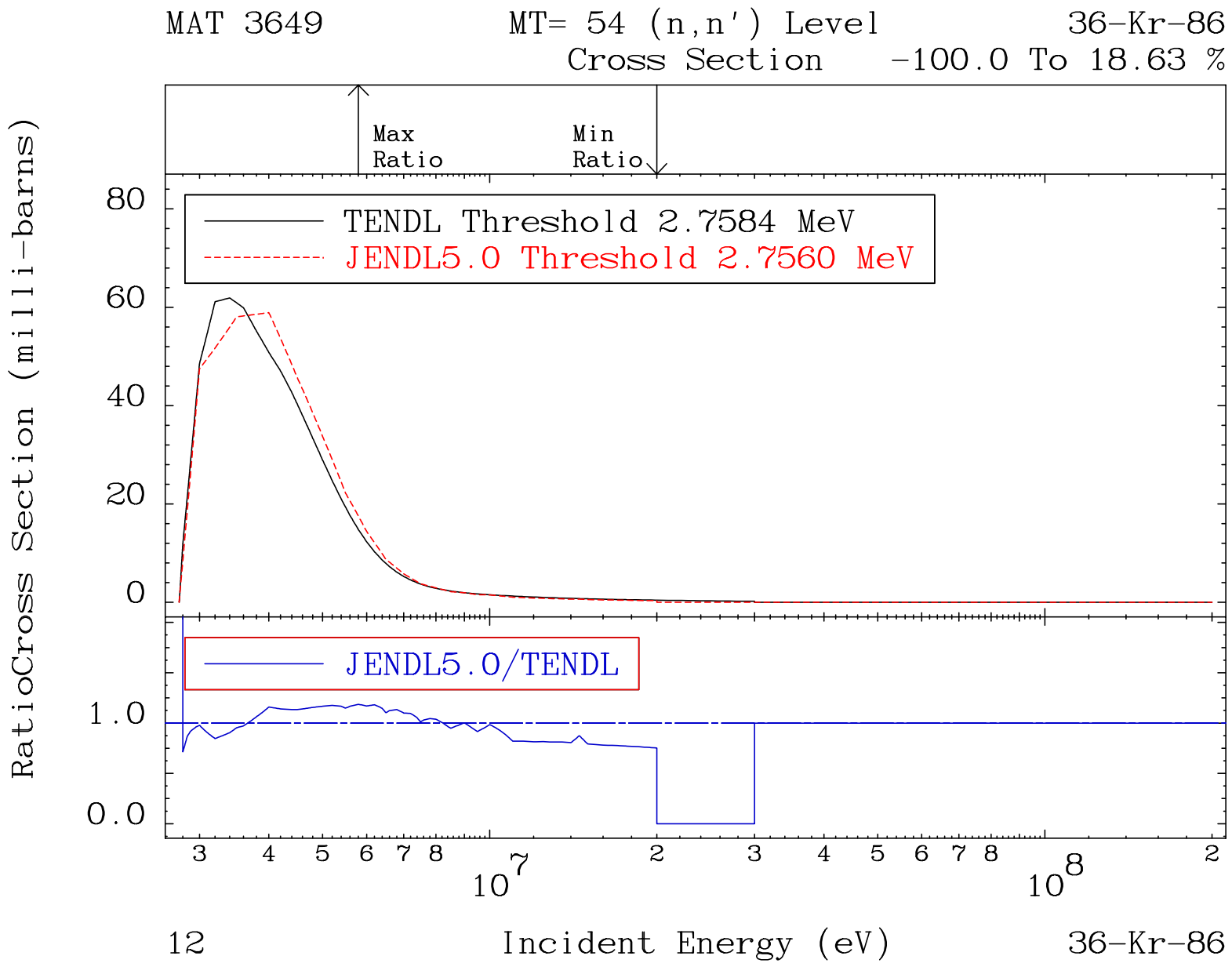

MAT 3649
(n,n') α
Cross Section
36-Kr-86
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 8.1918 MeV
JENDL5.0 Threshold 14.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
1.2
0.6
0.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
7
Incident Energy (eV)
36-Kr-86

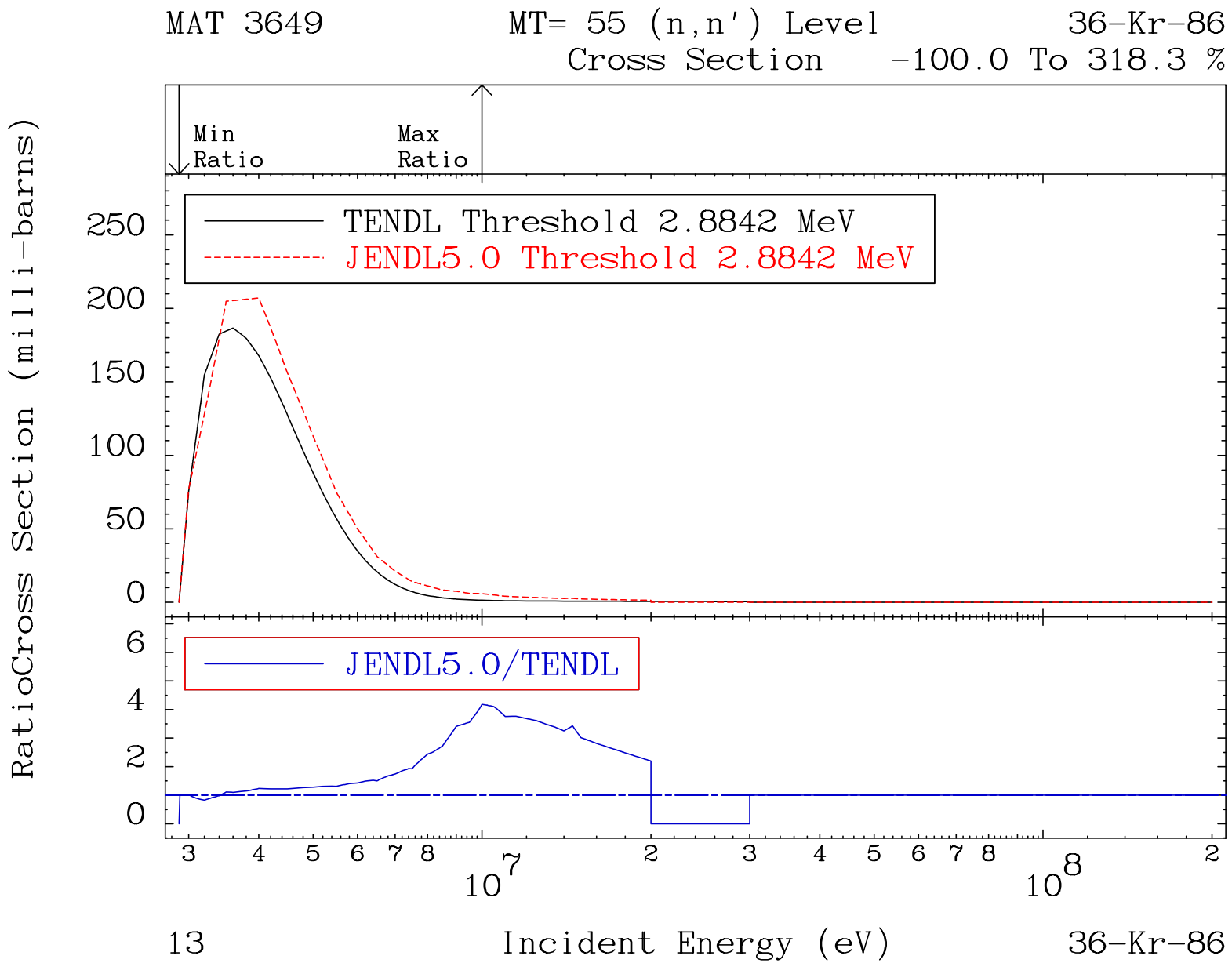

MAT 3649
(n,n') p
Cross Section
36-Kr-86
-100.0 To 2.646 %
Min Ratio
Max Ratio
TENDL Threshold 12.120 MeV
JENDL5.0 Threshold 14.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
2
10^8
8
Incident Energy (eV)
36-Kr-86

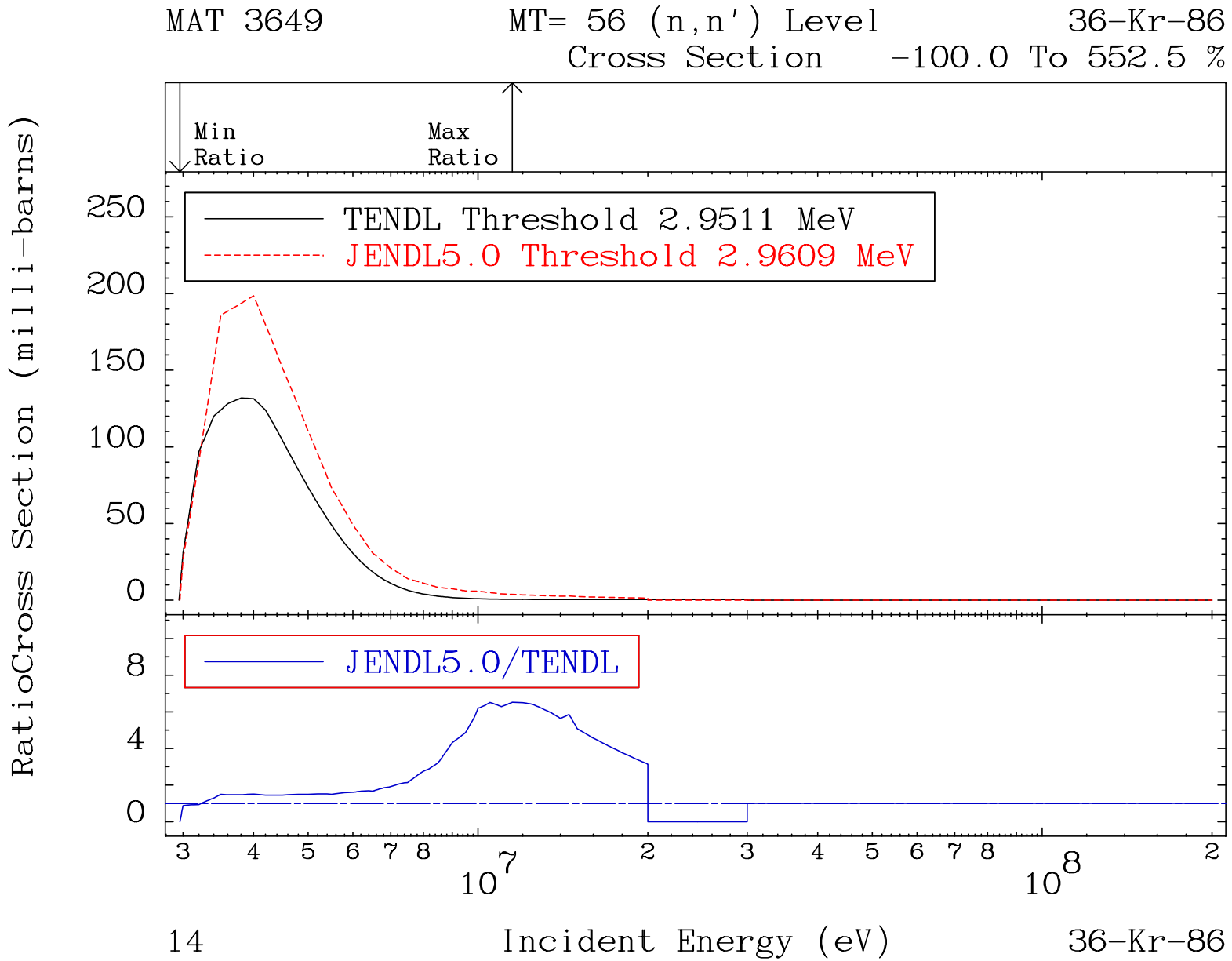

MAT 3649
MT= 51 (n,n') Level
36-Kr-86
Cross Section -100.0 To 33.91 %
Min Ratio
Max Ratio
TENDL Threshold 1.5830 MeV
JENDL5.0 Threshold 1.5832 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
9
Incident Energy (eV)
36-Kr-86

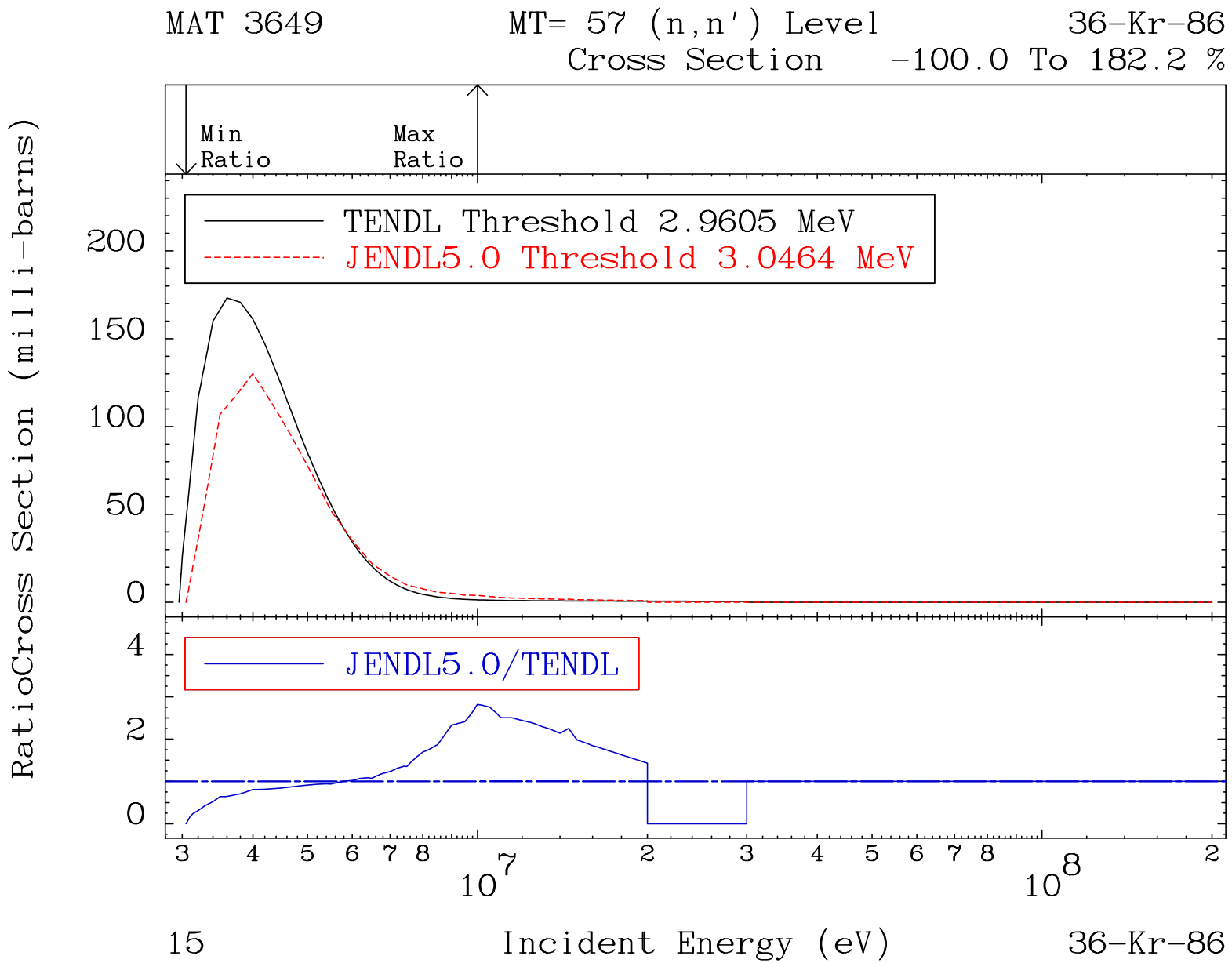

MAT 3649
MT= 52 (n,n') Level
36-Kr-86
Cross Section -100.0 To 12.42 %
Min Ratio
Max Ratio
TENDL Threshold 2.2764 MeV
JENDL5.0 Threshold 2.2764 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
200
100
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
10
Incident Energy (eV)
36-Kr-86

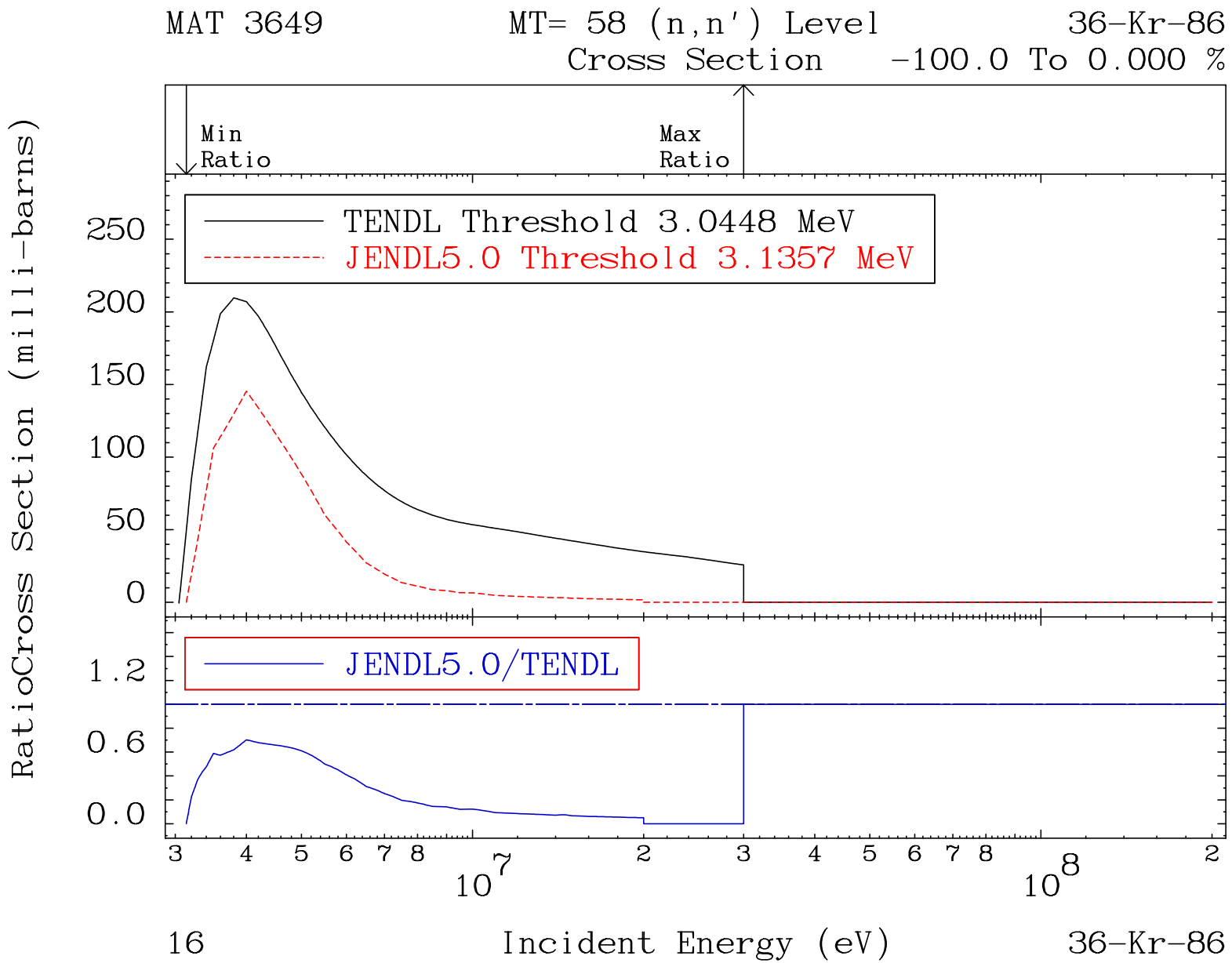

MAT 3649
MT= 53 (n,n') Level
36-Kr-86
Cross Section -100.0 To 141.2 %
Min Ratio
Max Ratio
TENDL Threshold 2.3771 MeV
JENDL5.0 Threshold 2.3775 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
11
Incident Energy (eV)
36-Kr-86

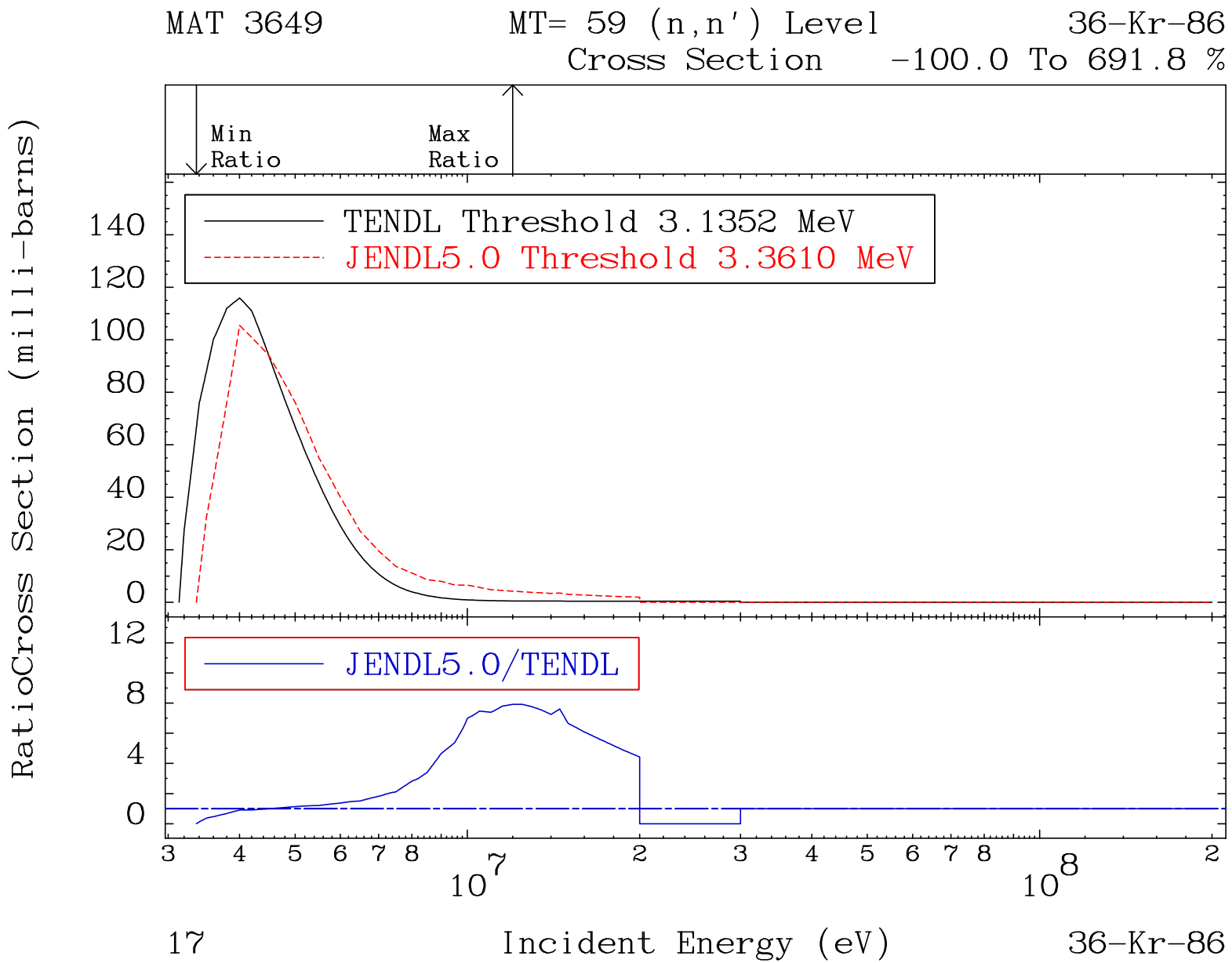

MAT 3649
MT= 54 (n,n') Level
36-Kr-86
Cross Section -100.0 To 18.63 %
Max Ratio
Min Ratio
TENDL Threshold 2.7584 MeV
JENDL5.0 Threshold 2.7560 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
36-Kr-86

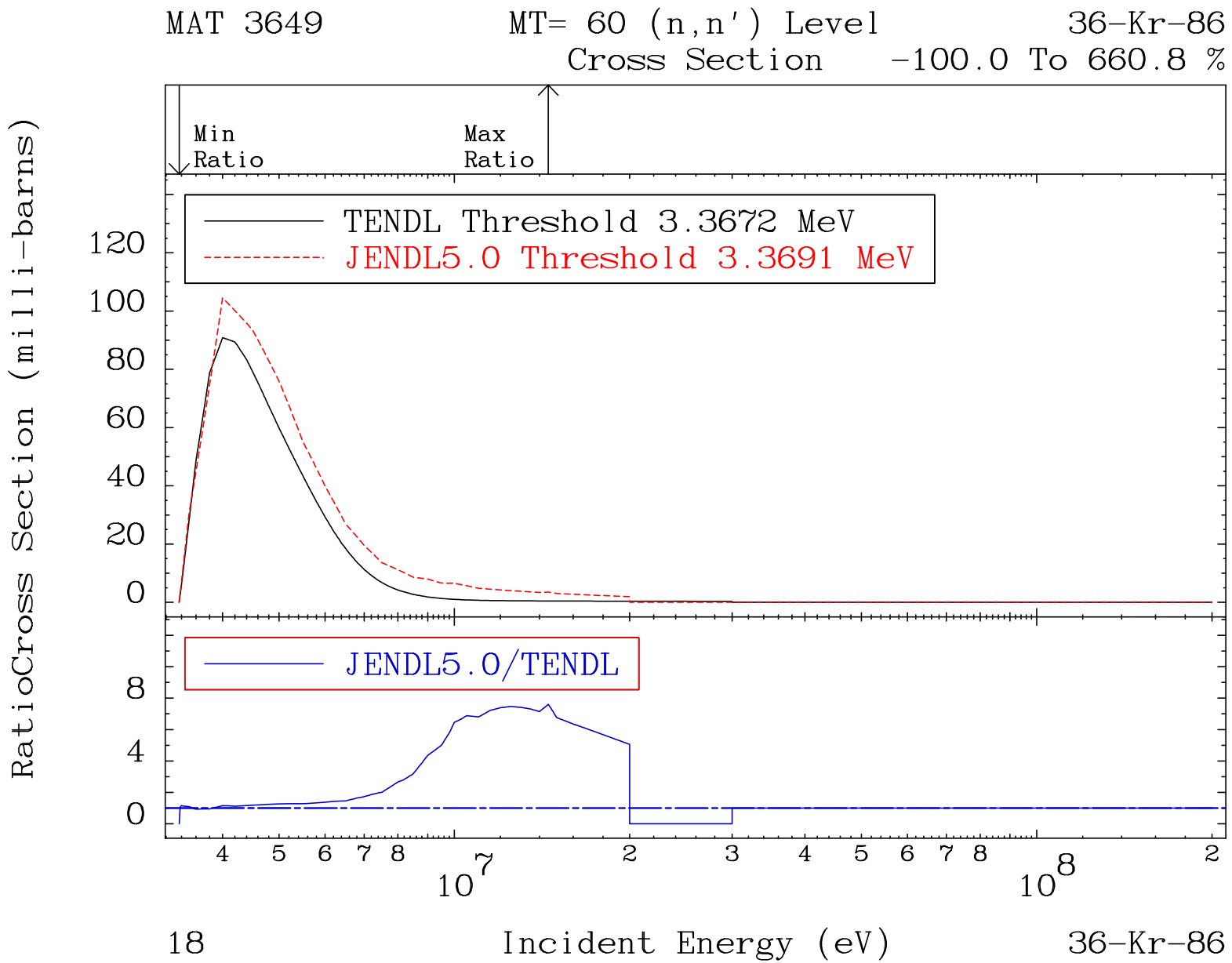

MAT 3649
MT= 55 (n,n') Level
36-Kr-86
Cross Section
-100.0 To 318.3 %
Min Ratio
Max Ratio
TENDL Threshold 2.8842 MeV
JENDL5.0 Threshold 2.8842 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
6
4
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
13
Incident Energy (eV)
36-Kr-86

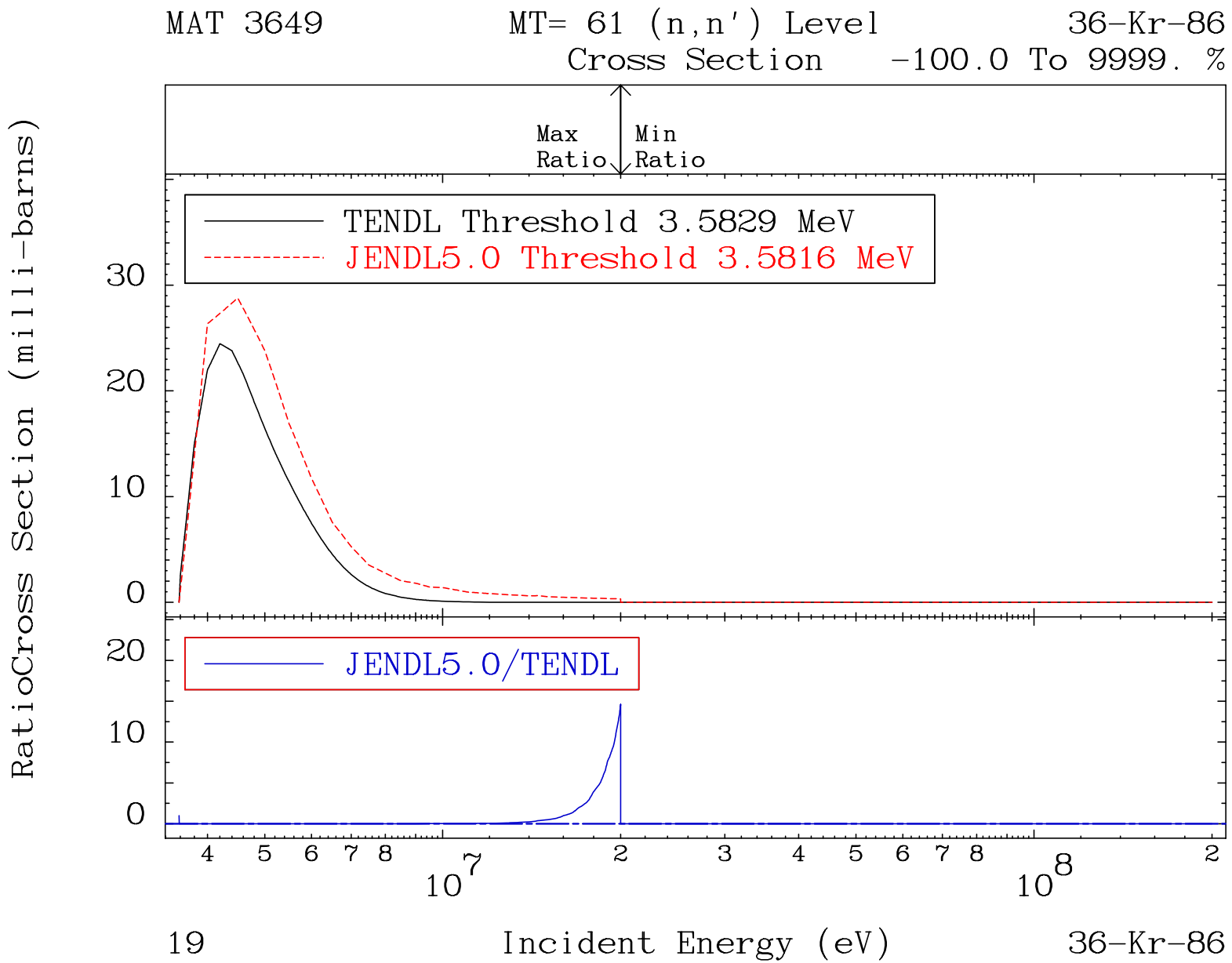

MAT 3649
MT= 56 (n,n') Level
36-Kr-86
Cross Section -100.0 To 552.5 %
Min Ratio
Max Ratio
TENDL Threshold 2.9511 MeV
JENDL5.0 Threshold 2.9609 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
8
4
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
14
Incident Energy (eV)
36-Kr-86

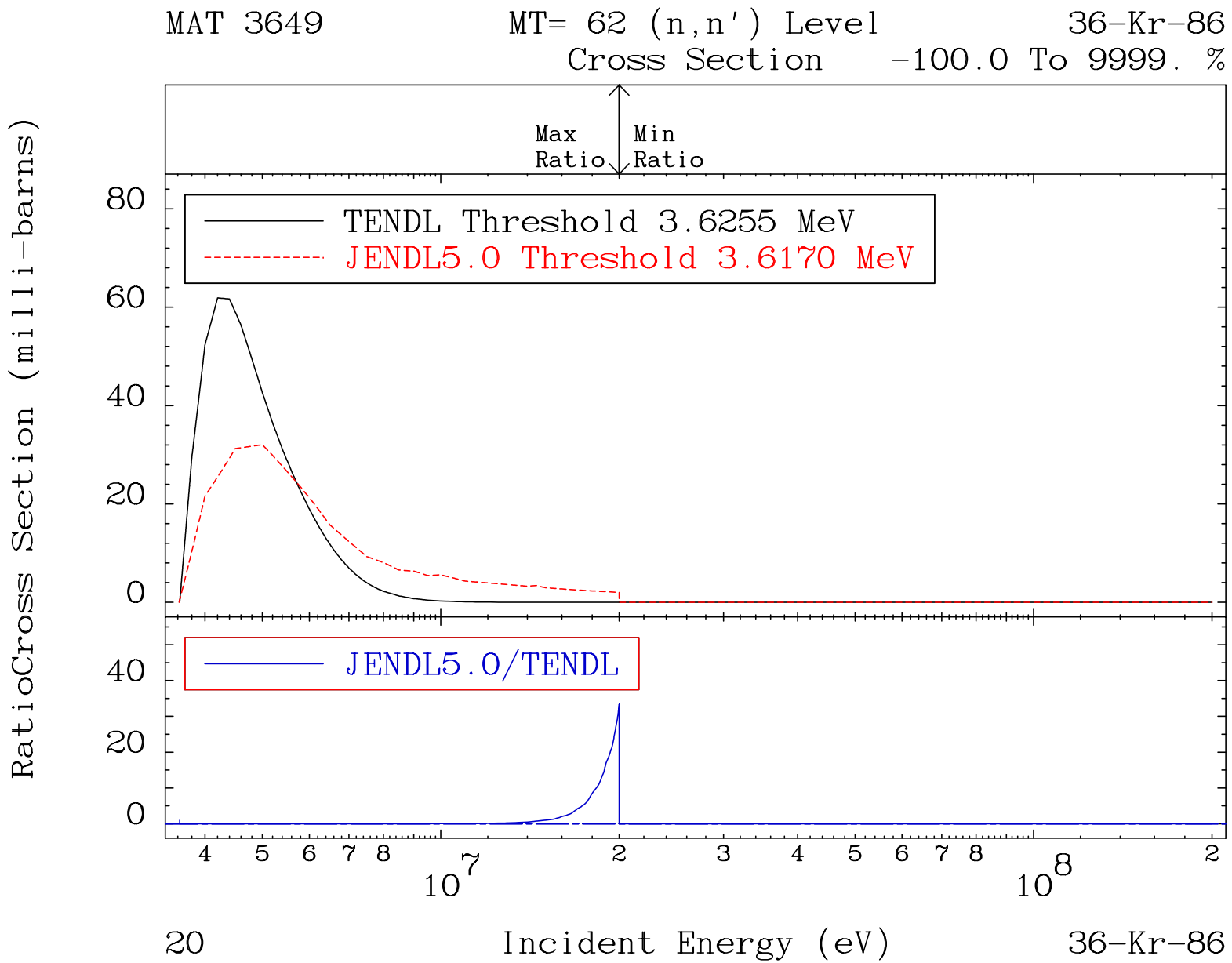

MAT 3649
MT= 57 (n,n') Level
36-Kr-86
Cross Section -100.0 To 182.2 %
Min Ratio
Max Ratio
TENDL Threshold 2.9605 MeV
JENDL5.0 Threshold 3.0464 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
4
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
15
Incident Energy (eV)
36-Kr-86

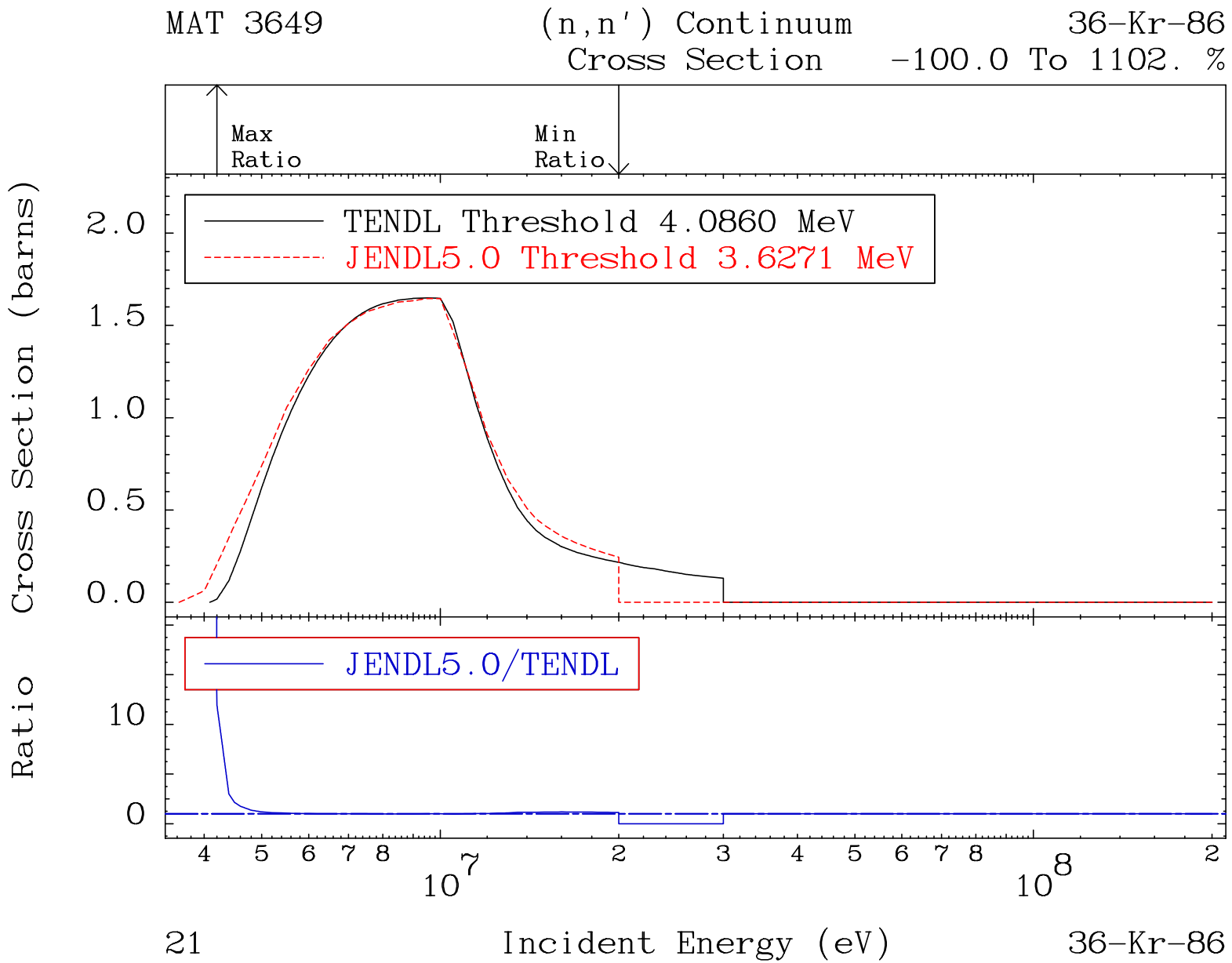

MAT 3649
MT= 58 (n,n') Level
36-Kr-86
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 3.0448 MeV
JENDL5.0 Threshold 3.1357 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
16
Incident Energy (eV)
36-Kr-86

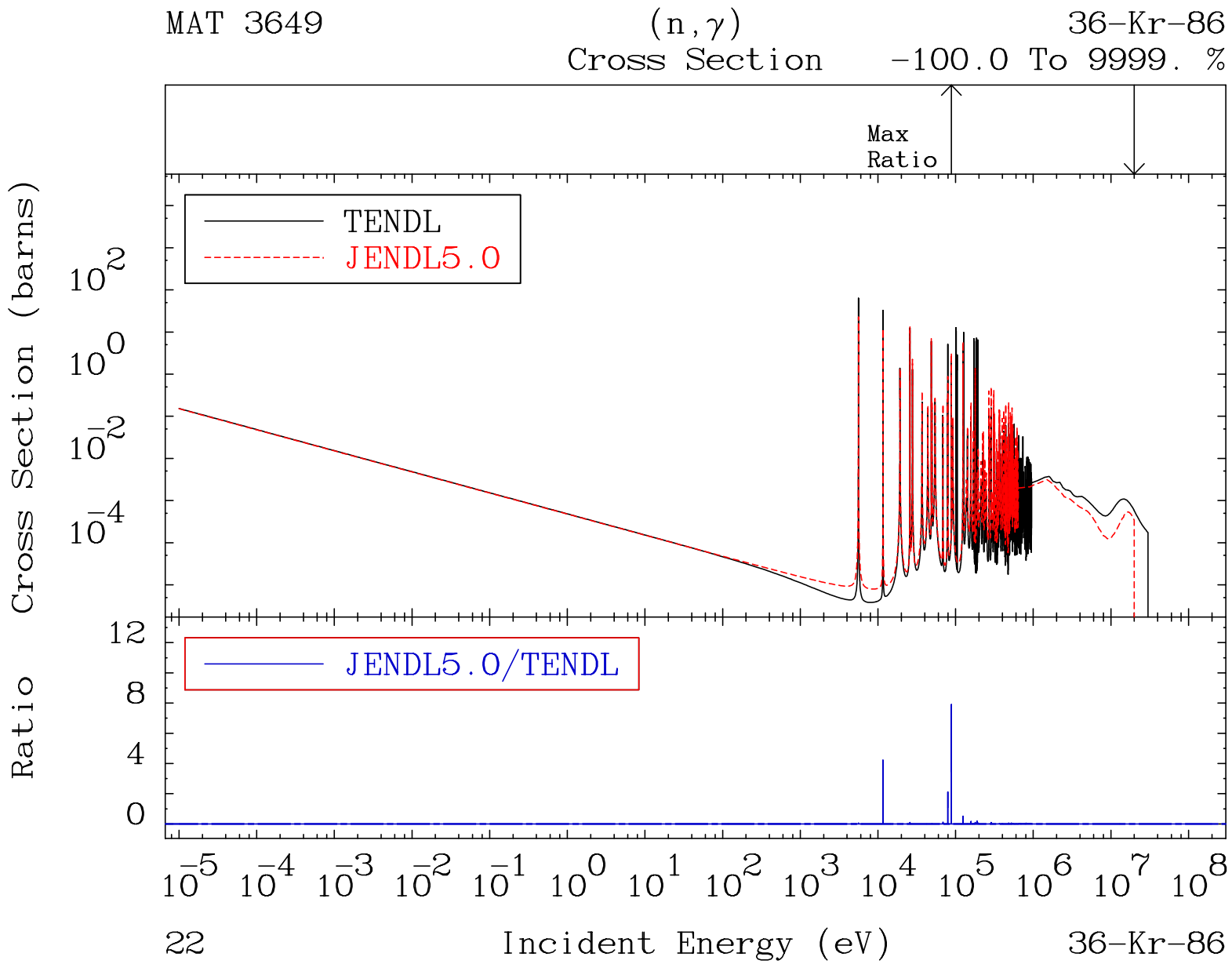

MAT 3649
MT= 59 (n,n') Level
36-Kr-86
Cross Section
-100.0 To 691.8 %
Min Ratio
Max Ratio
TENDL Threshold 3.1352 MeV
JENDL5.0 Threshold 3.3610 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
12
8
4
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
17
Incident Energy (eV)
36-Kr-86

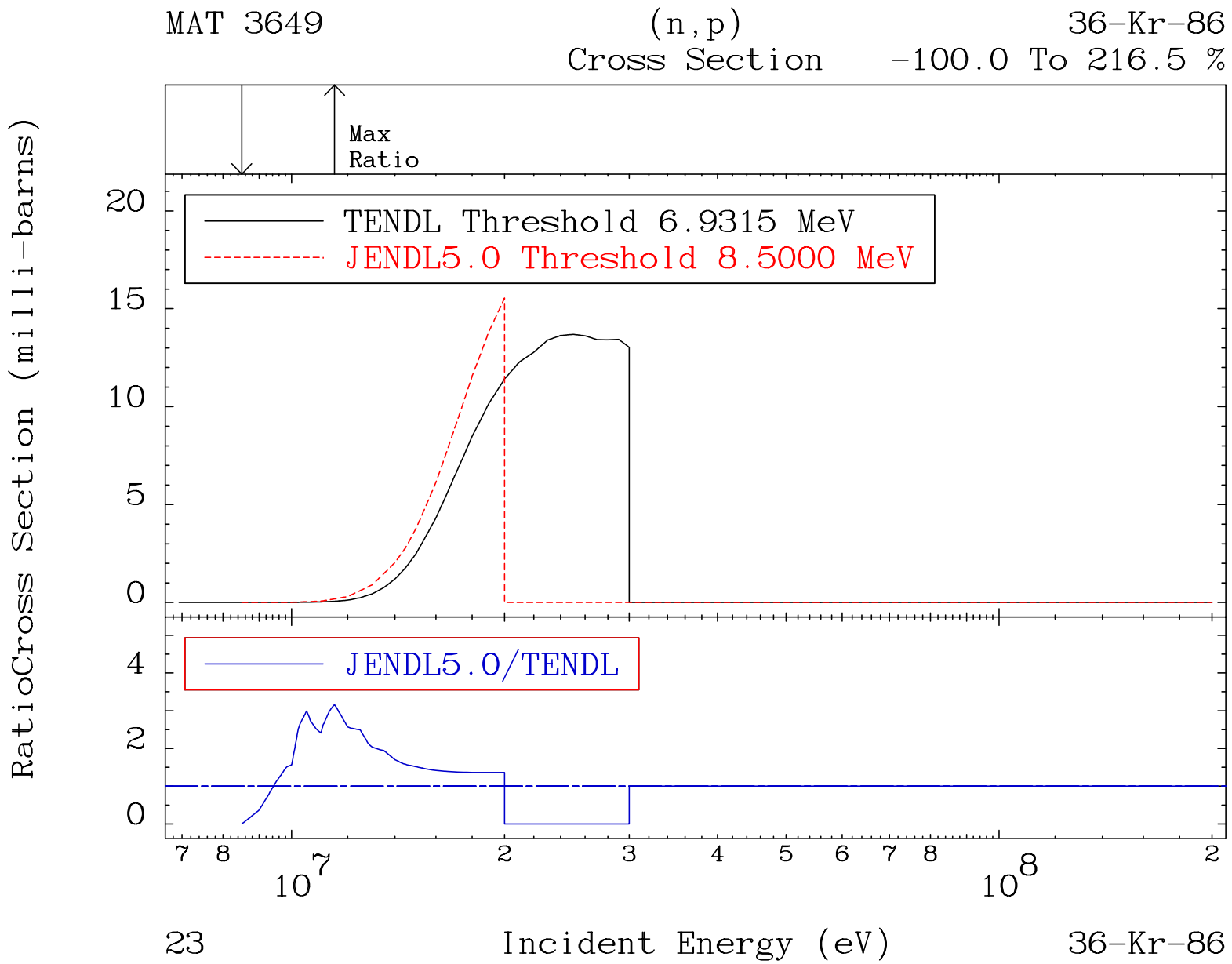

MAT 3649
MT= 60 (n,n') Level
36-Kr-86
Cross Section
-100.0 To 660.8 %
Min Ratio
Max Ratio
TENDL Threshold 3.3672 MeV
JENDL5.0 Threshold 3.3691 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
8
4
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
36-Kr-86

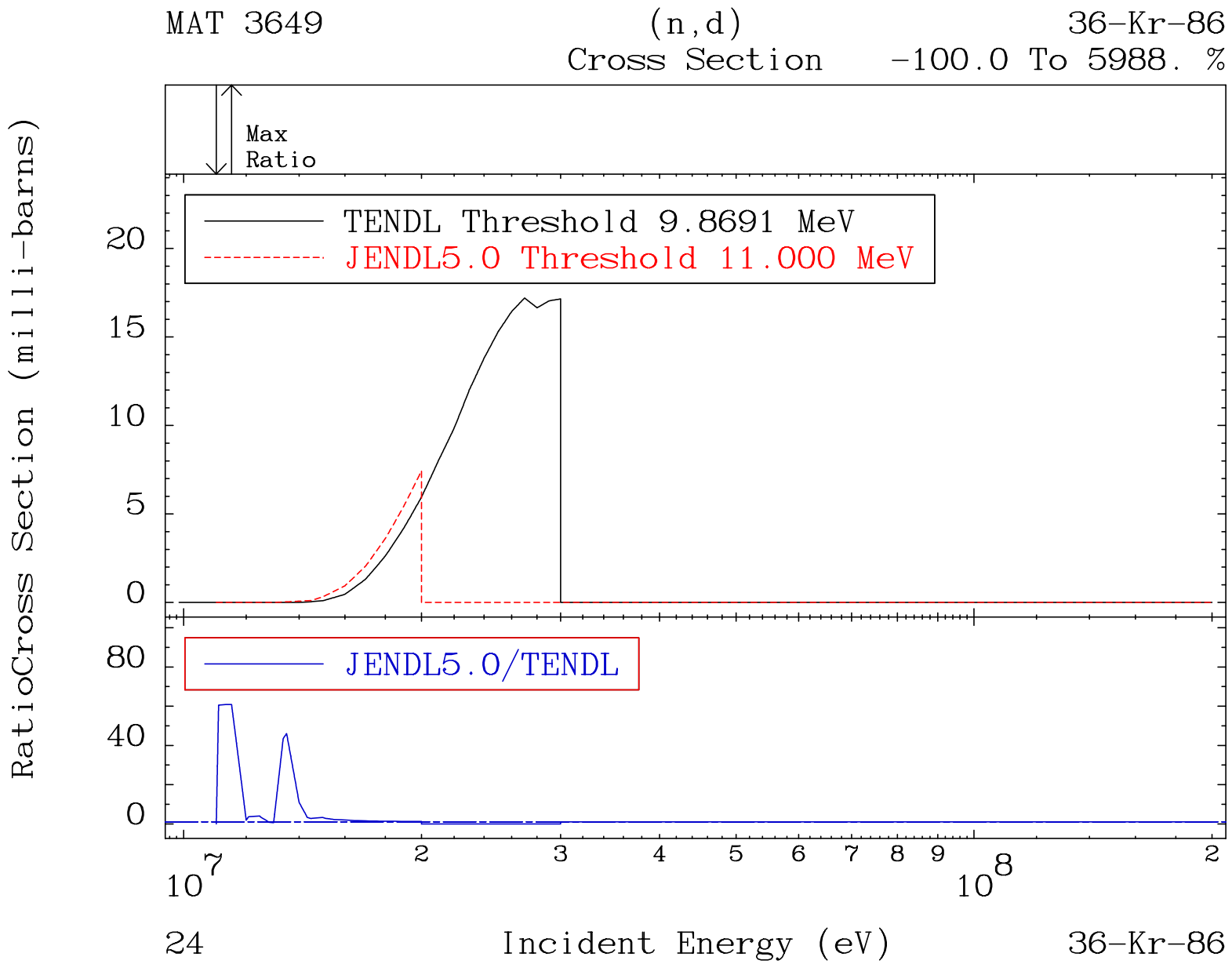

MAT 3649
MT= 61 (n,n') Level
36-Kr-86
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.5829 MeV
JENDL5.0 Threshold 3.5816 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
20
10
0
20
10
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
36-Kr-86

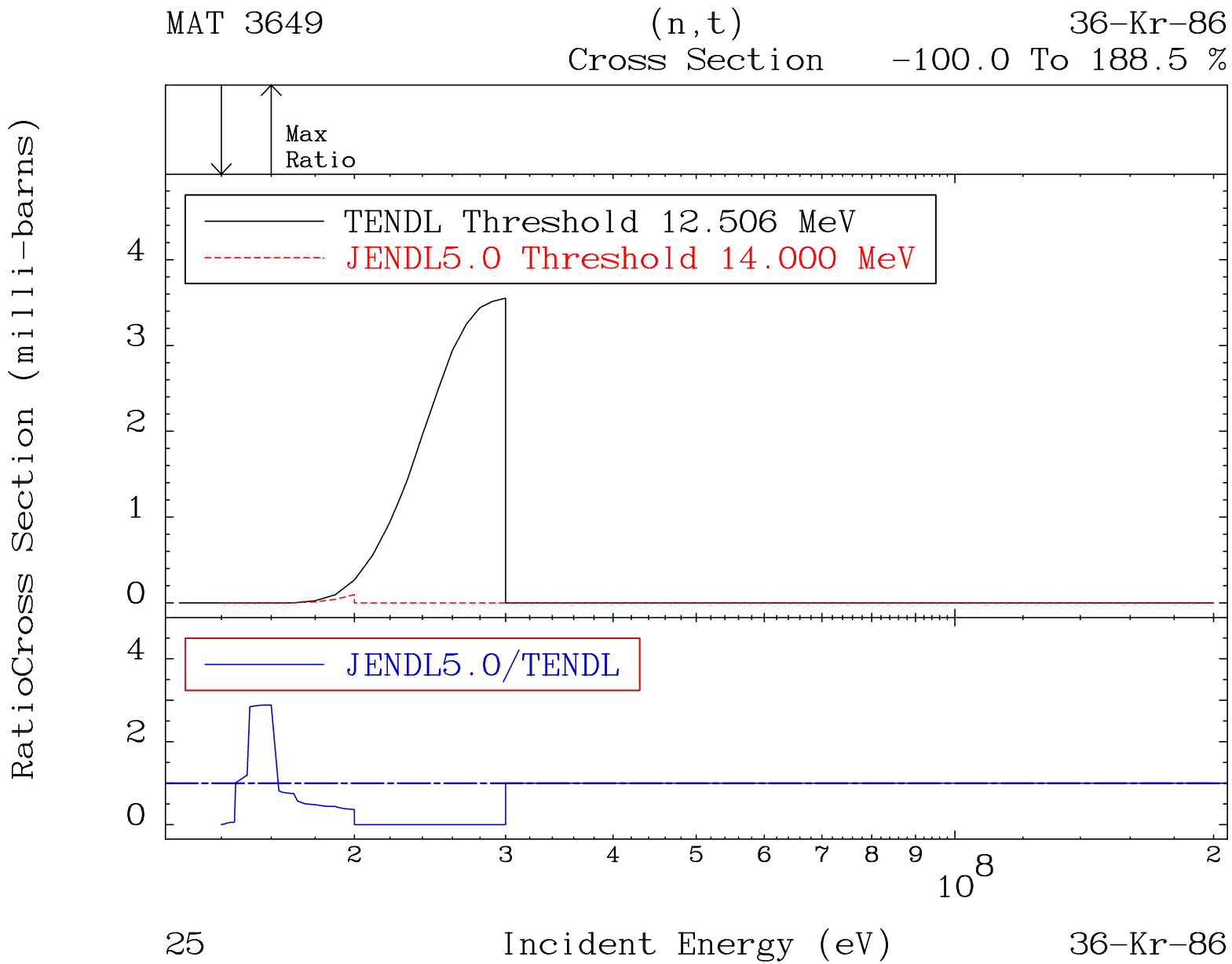

MAT 3649
MT= 62 (n,n') Level
36-Kr-86
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.6255 MeV
JENDL5.0 Threshold 3.6170 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
20
36-Kr-86

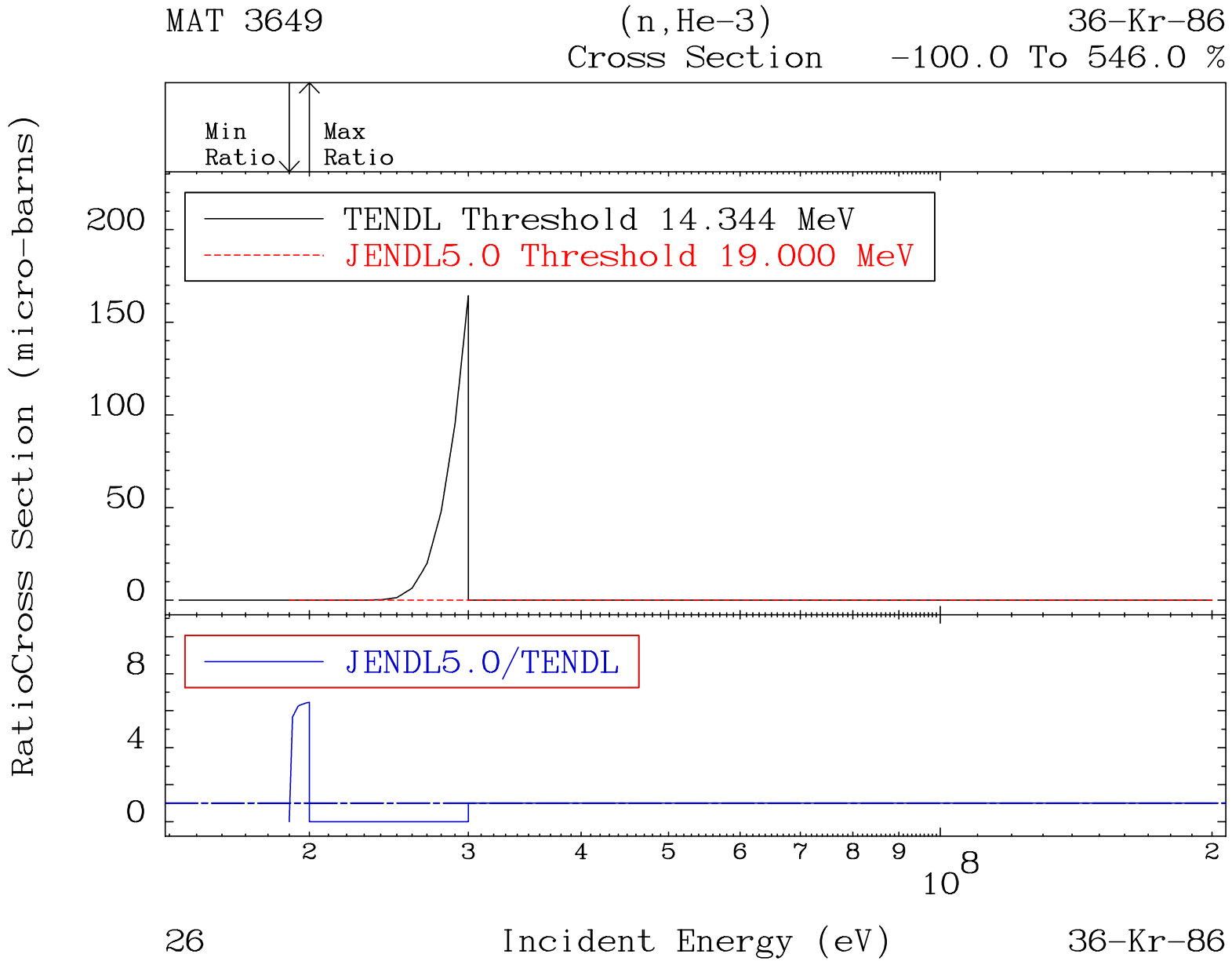

MAT 3649
(n,n') Continuum
Cross Section
36-Kr-86
-100.0 To 1102. %
Max Ratio
Min Ratio
TENDL Threshold 4.0860 MeV
JENDL5.0 Threshold 3.6271 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
10
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
36-Kr-86

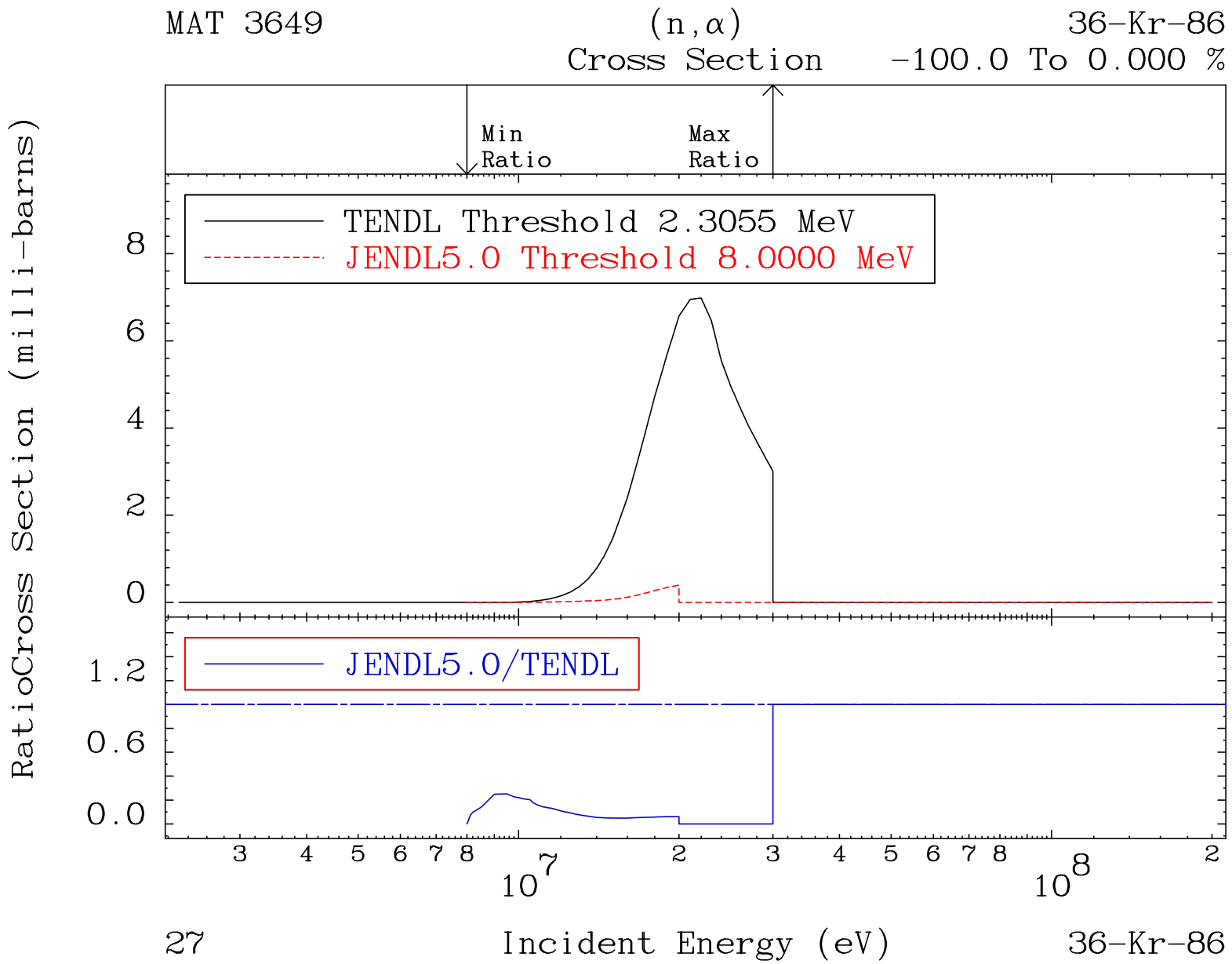

MAT 3649
(n,γ)
Cross Section
36-Kr-86
-100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^2
10^0
10^-2
10^-4
JENDL5.0/TENDL
Ratio
12
8
4
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
22
Incident Energy (eV)
36-Kr-86

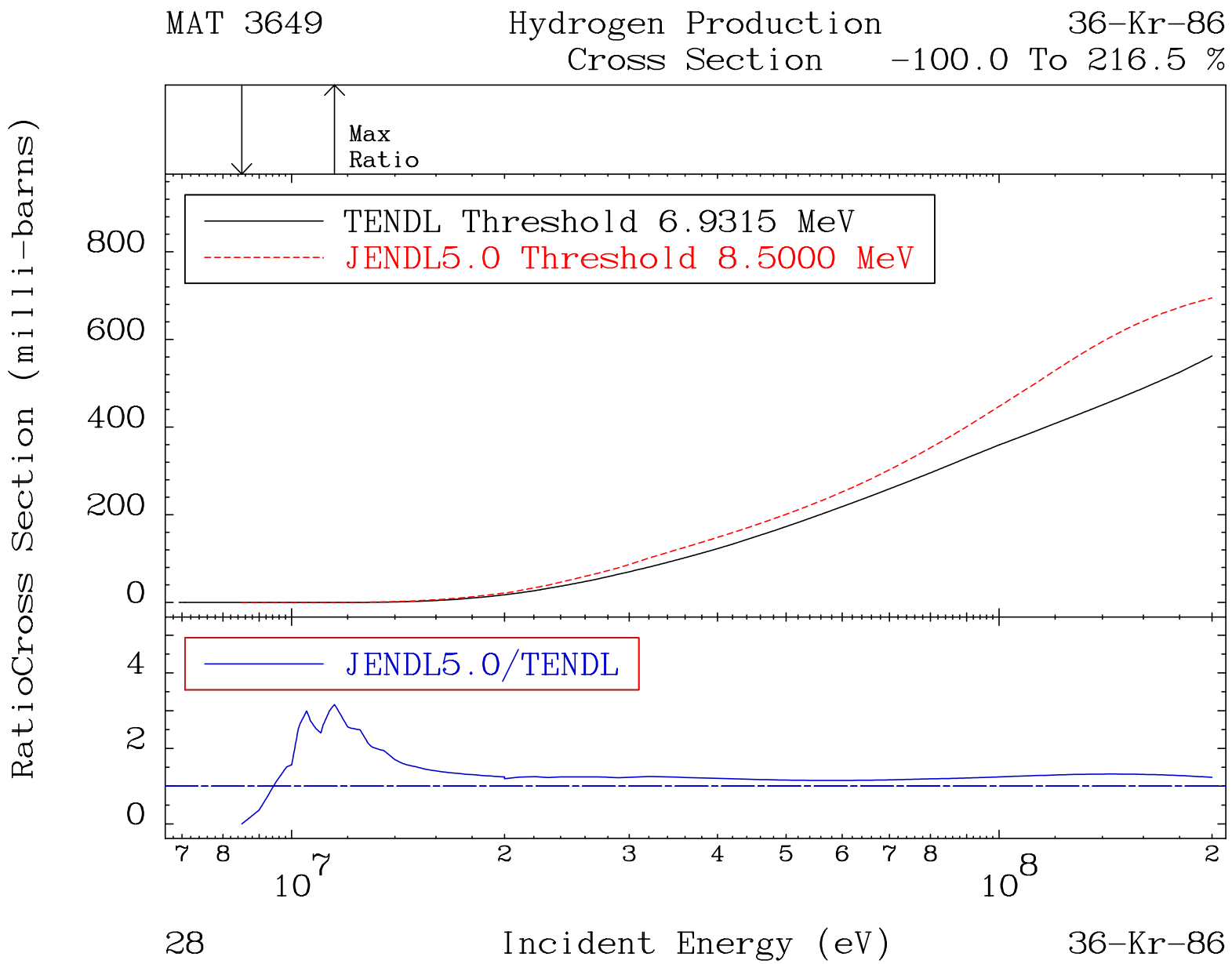

MAT 3649
(n,p)
36-Kr-86
Cross Section
-100.0 To 216.5 %
Max
Ratio
TENDL Threshold 6.9315 MeV
JENDL5.0 Threshold 8.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
4
2
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
36-Kr-86

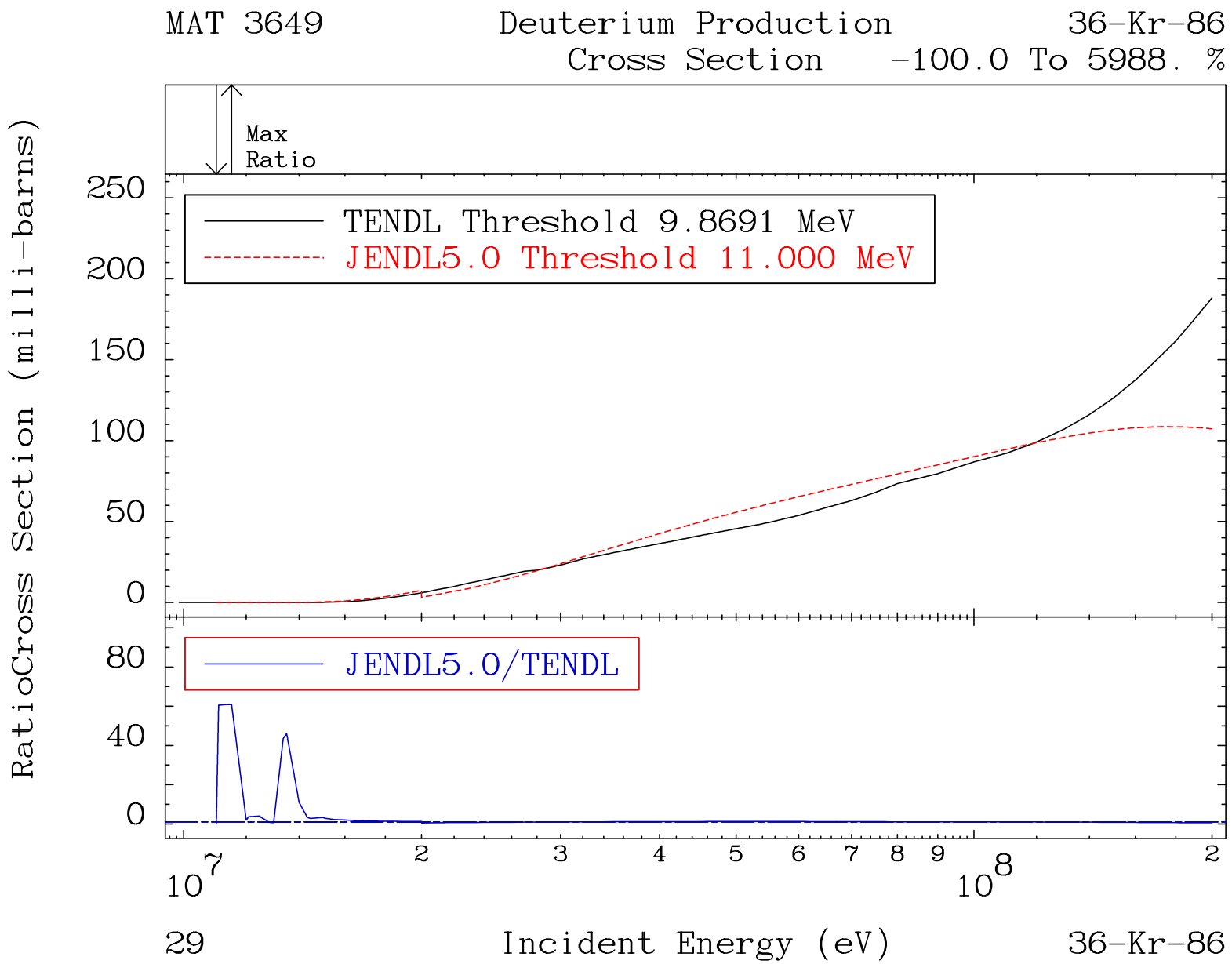

MAT 3649
(n,d)
36-Kr-86
Cross Section
-100.0 To 5988. %
Max
Ratio
TENDL Threshold 9.8691 MeV
JENDL5.0 Threshold 11.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
80
40
0
10^7
2
3
4
5
6
7
8
9
10^8
2
24
Incident Energy (eV)
36-Kr-86

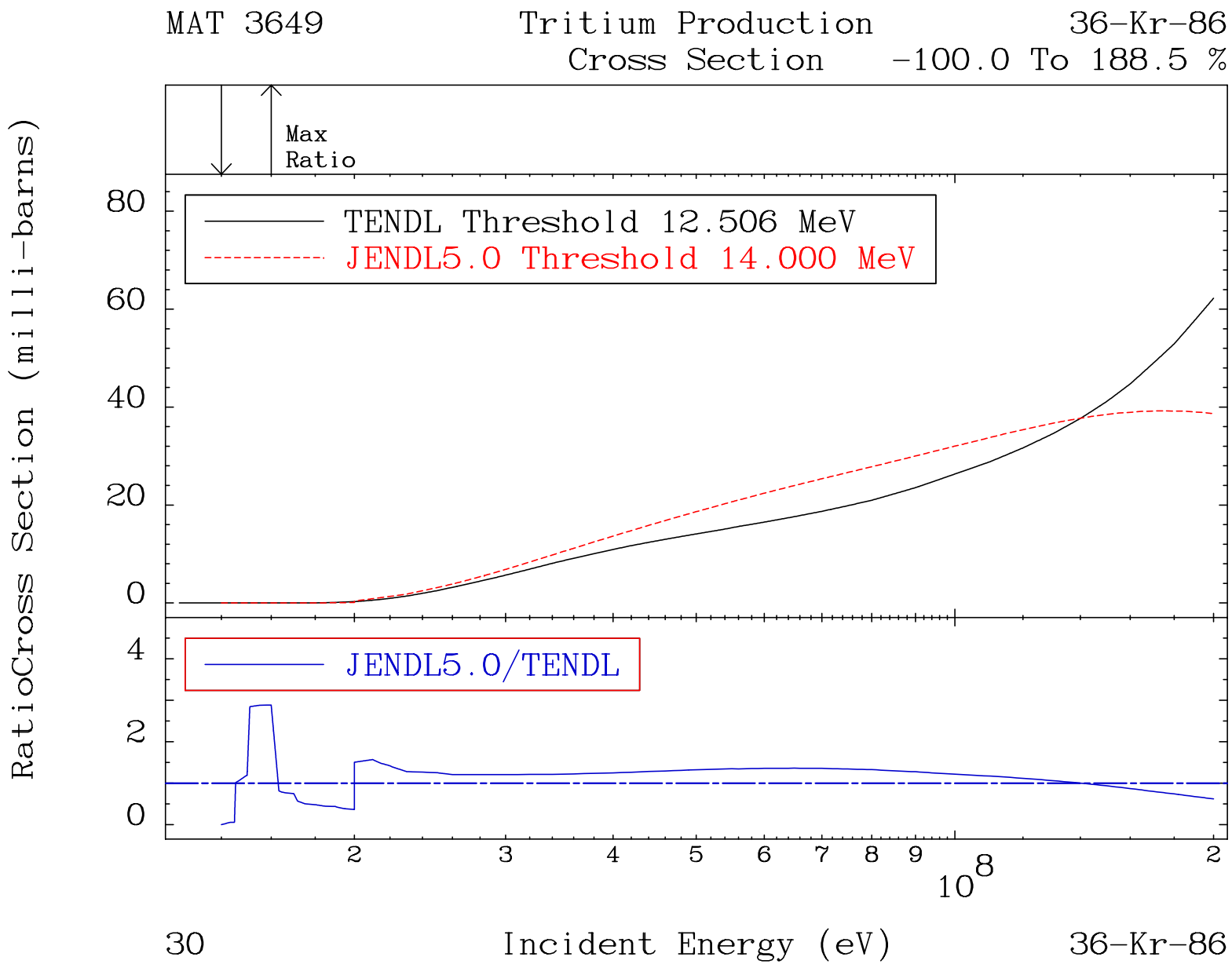

MAT 3649
(n,t)
Cross Section
36-Kr-86
-100.0 To 188.5 %
Max
Ratio
TENDL Threshold 12.506 MeV
JENDL5.0 Threshold 14.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
0
1
2
3
4
0
2
4
2
3
4
5
6
7
8
9
2
10^8
25
Incident Energy (eV)
36-Kr-86

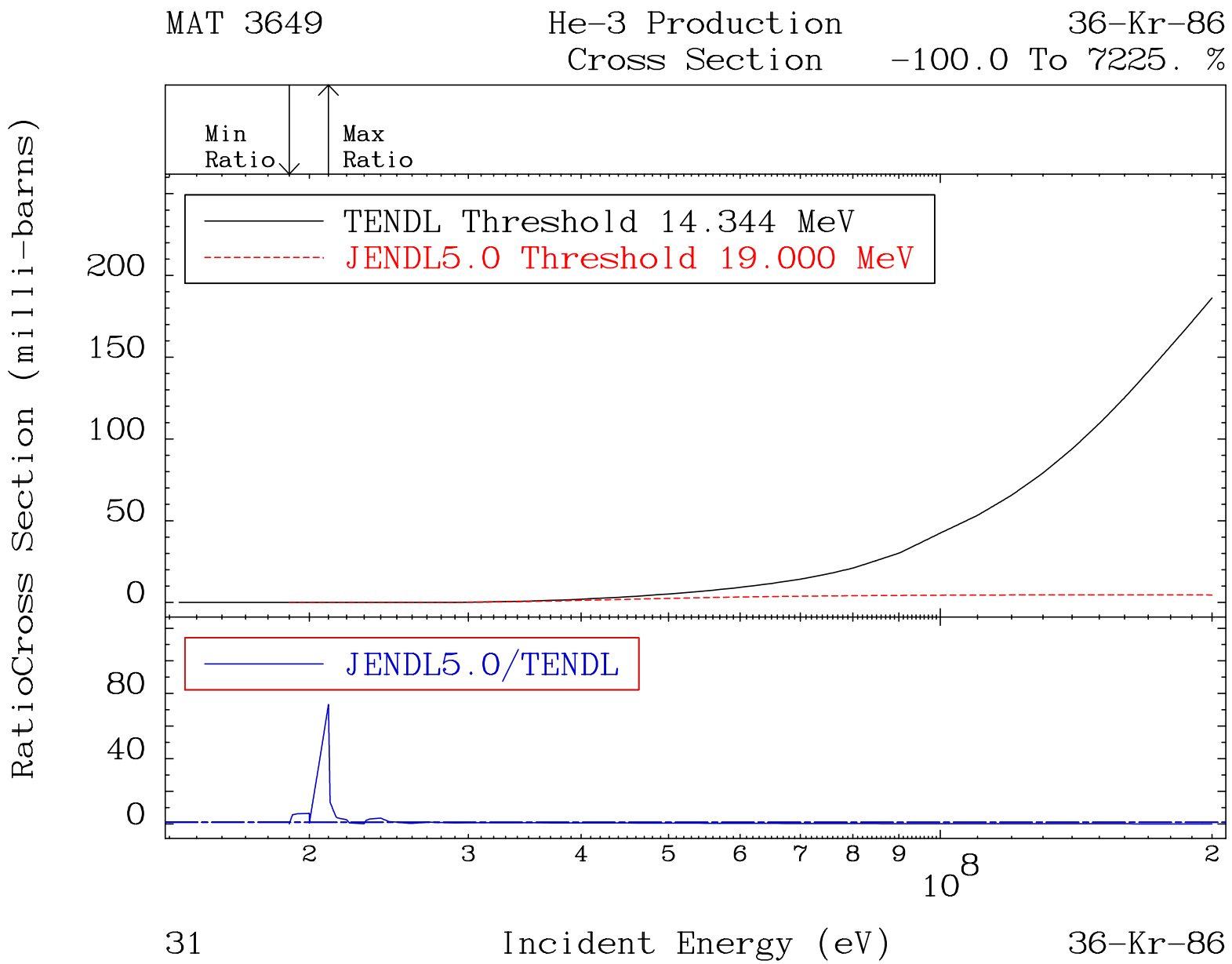

MAT 3649
(n,He-3)
Cross Section
36-Kr-86
-100.0 To 546.0 %
Min Ratio
Max Ratio
TENDL Threshold 14.344 MeV
JENDL5.0 Threshold 19.000 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
200
150
100
50
0
8
4
0
2
3
4
5
6
7
8
9
10^8
2
26
Incident Energy (eV)
36-Kr-86

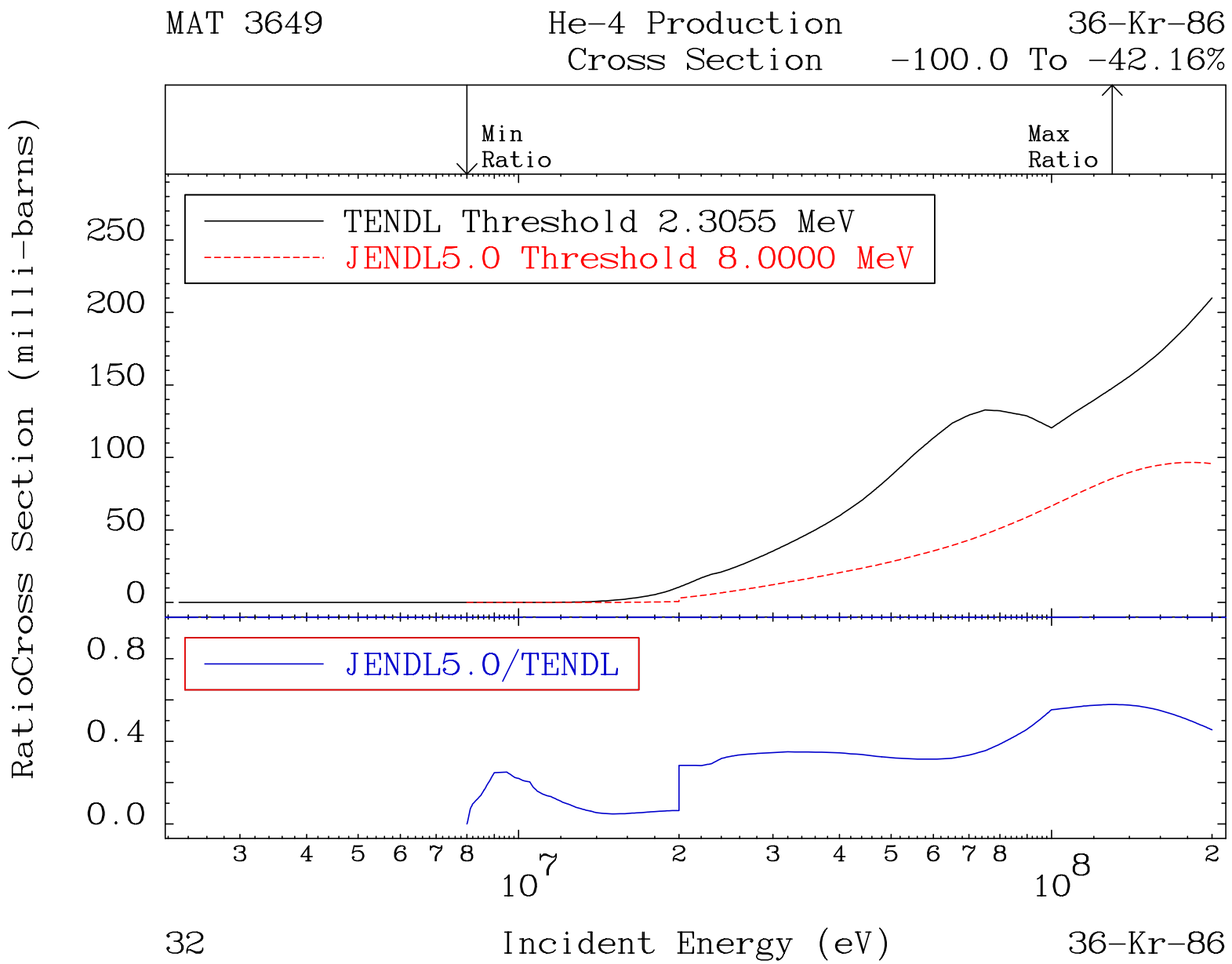

MAT 3649
(n,α)
Cross Section
36-Kr-86
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.3055 MeV
JENDL5.0 Threshold 8.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
27
36-Kr-86

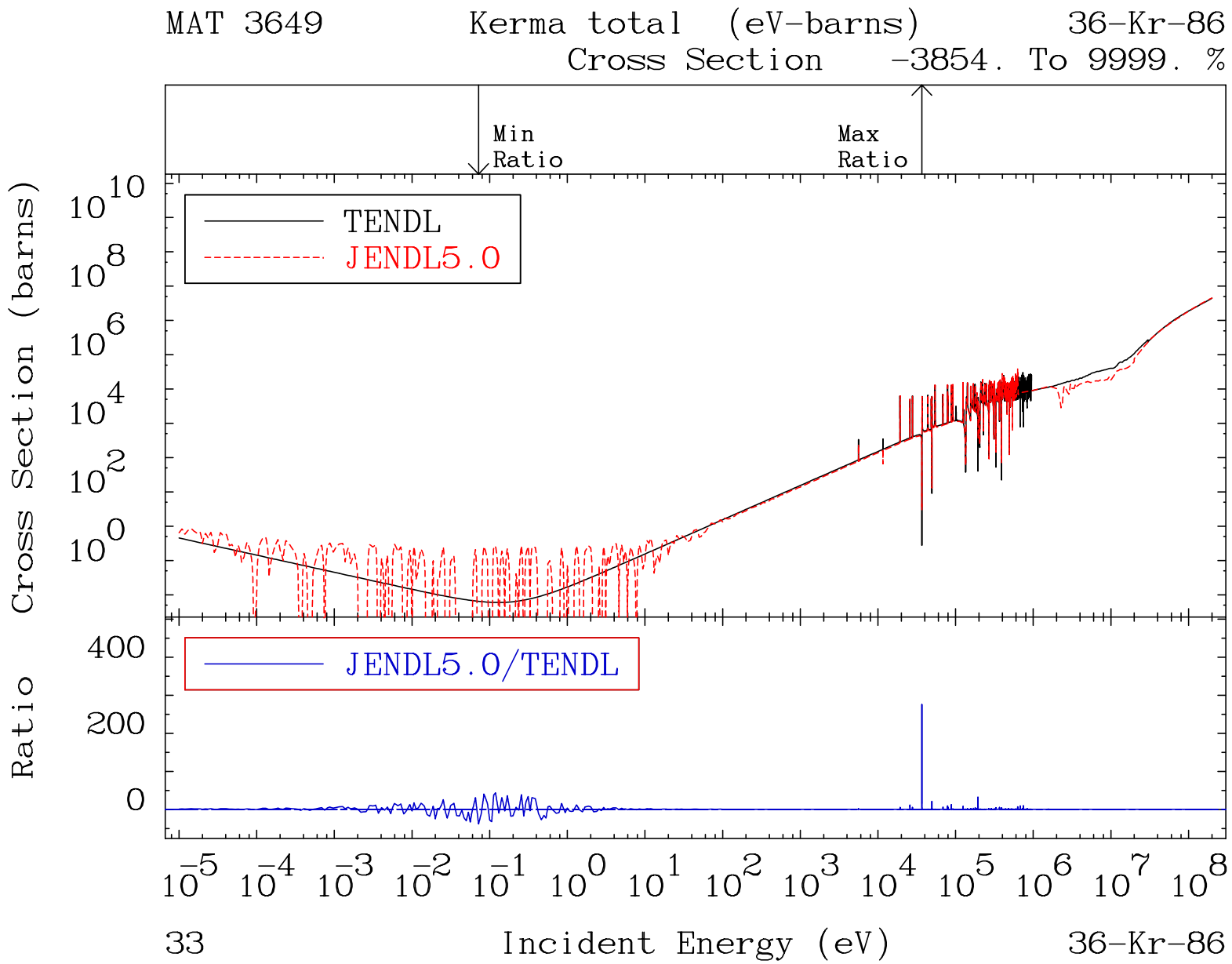

MAT 3649
Hydrogen Production
36-Kr-86
Cross Section -100.0 To 216.5 %
Max
Ratio
TENDL Threshold 6.9315 MeV
JENDL5.0 Threshold 8.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
4
2
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
36-Kr-86

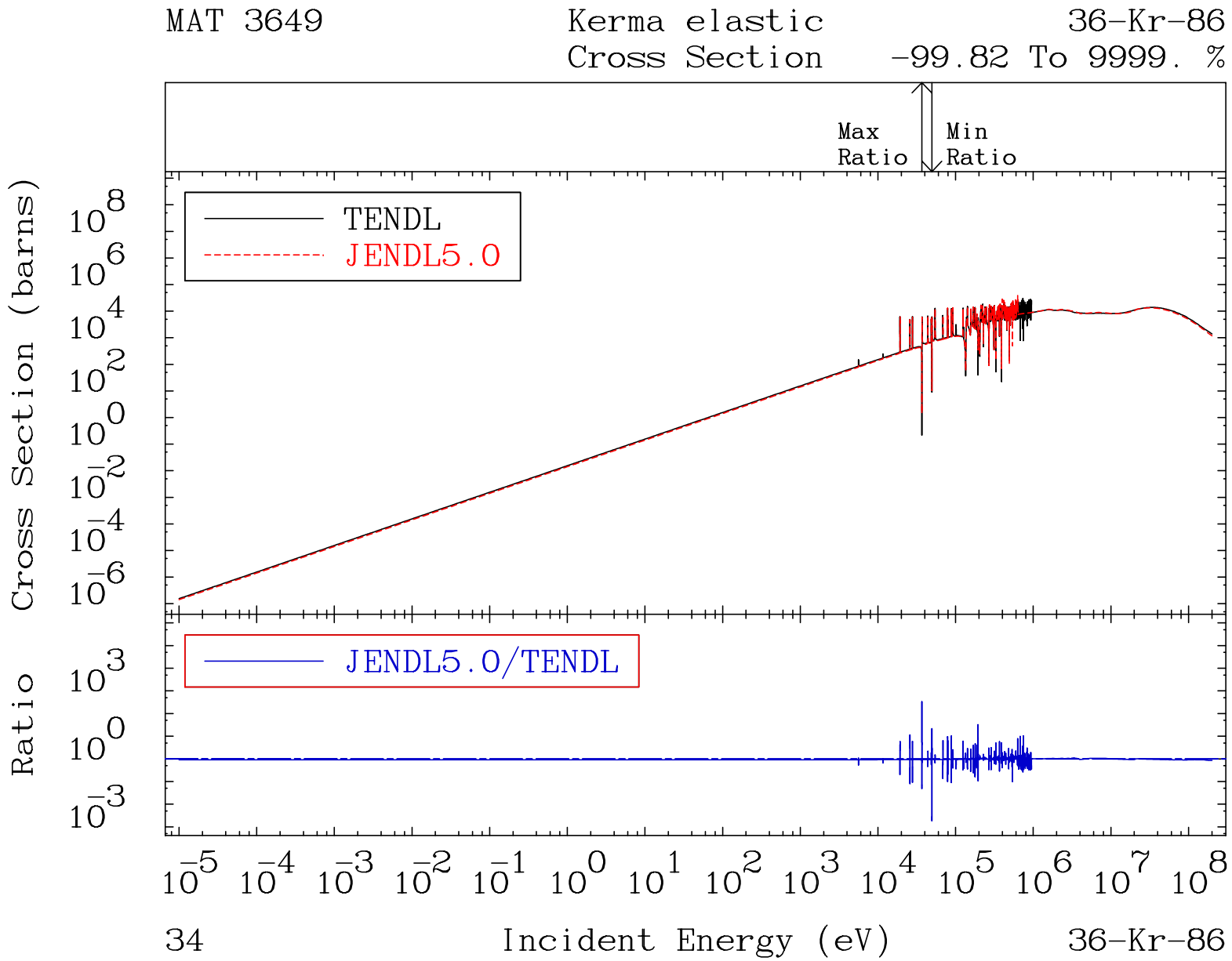

MAT 3649
Deuterium Production
36-Kr-86
Cross Section -100.0 To 5988. %
Max
Ratio
TENDL Threshold 9.8691 MeV
JENDL5.0 Threshold 11.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
80
40
0
10^7
2
3
4
5
6
7
8
9
10^8
2
29
Incident Energy (eV)
36-Kr-86

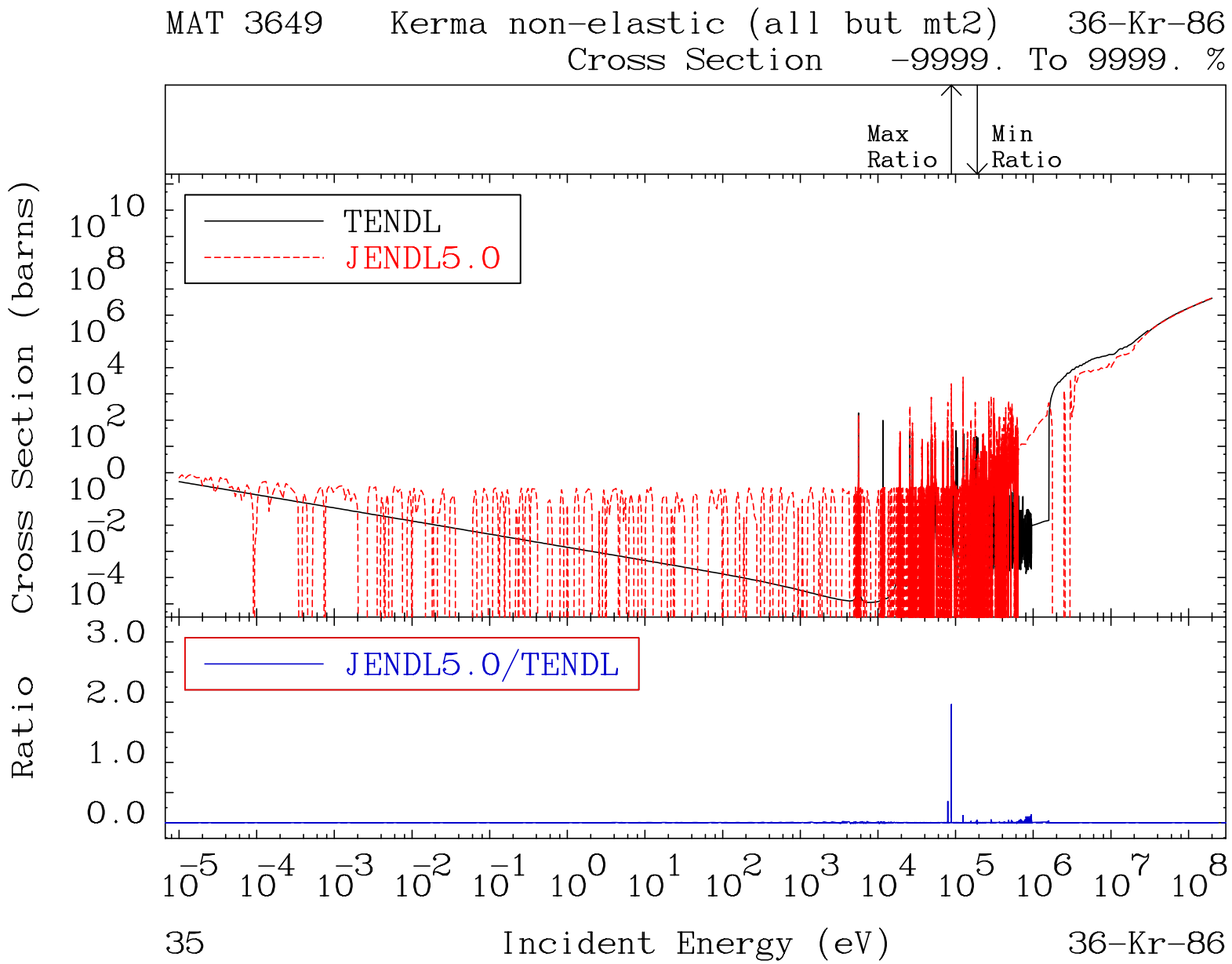

MAT 3649
Tritium Production
36-Kr-86
Cross Section
-100.0 To 188.5 %
Max
Ratio
TENDL Threshold 12.506 MeV
JENDL5.0 Threshold 14.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
30
Incident Energy (eV)
36-Kr-86

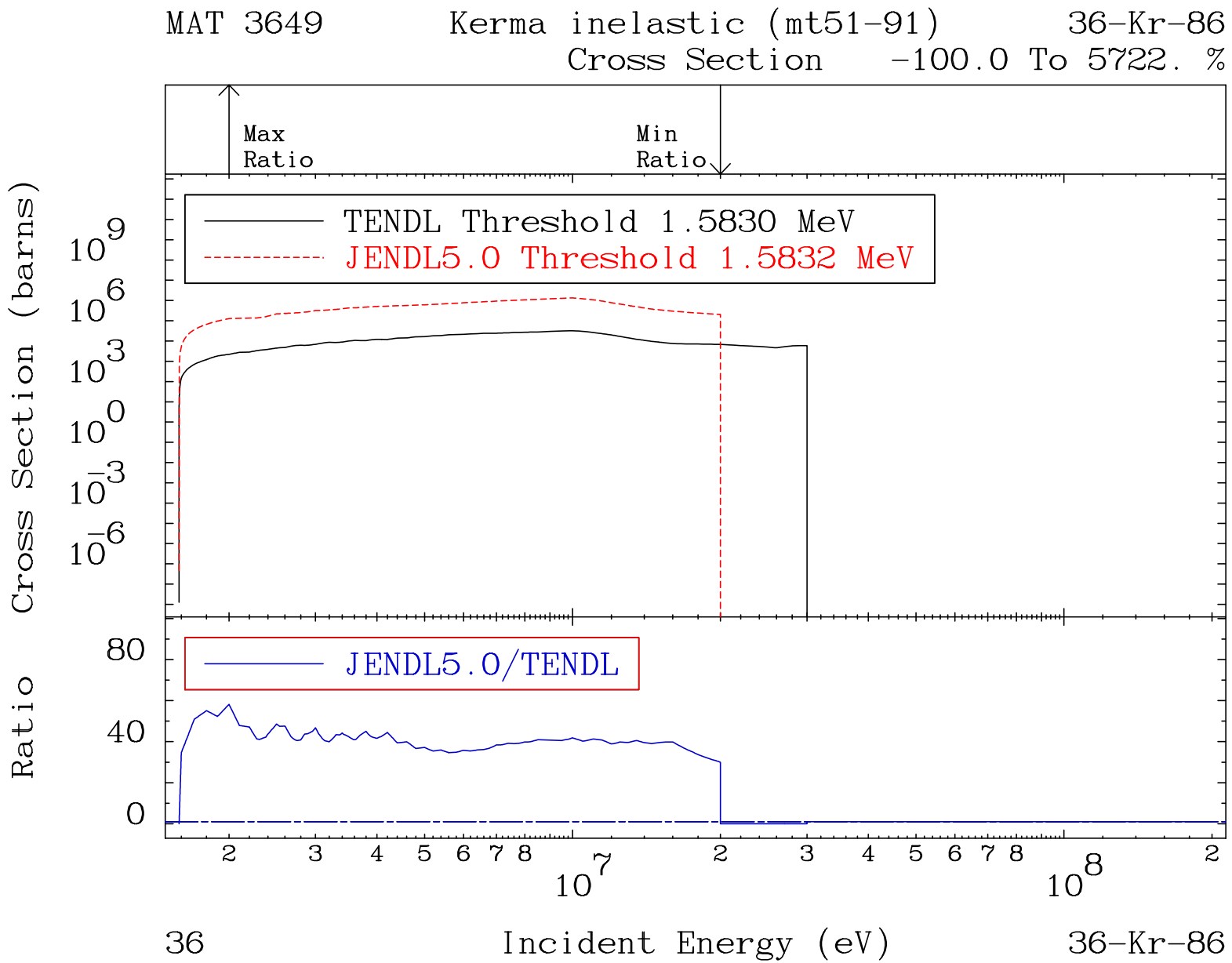

MAT 3649
He-3 Production
Cross Section
36-Kr-86
-100.0 To 7225. %
Min Ratio
Max Ratio
TENDL Threshold 14.344 MeV
JENDL5.0 Threshold 19.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
80
40
0
2
3
4
5
6
7
8
9
10^8
2
31
Incident Energy (eV)
36-Kr-86

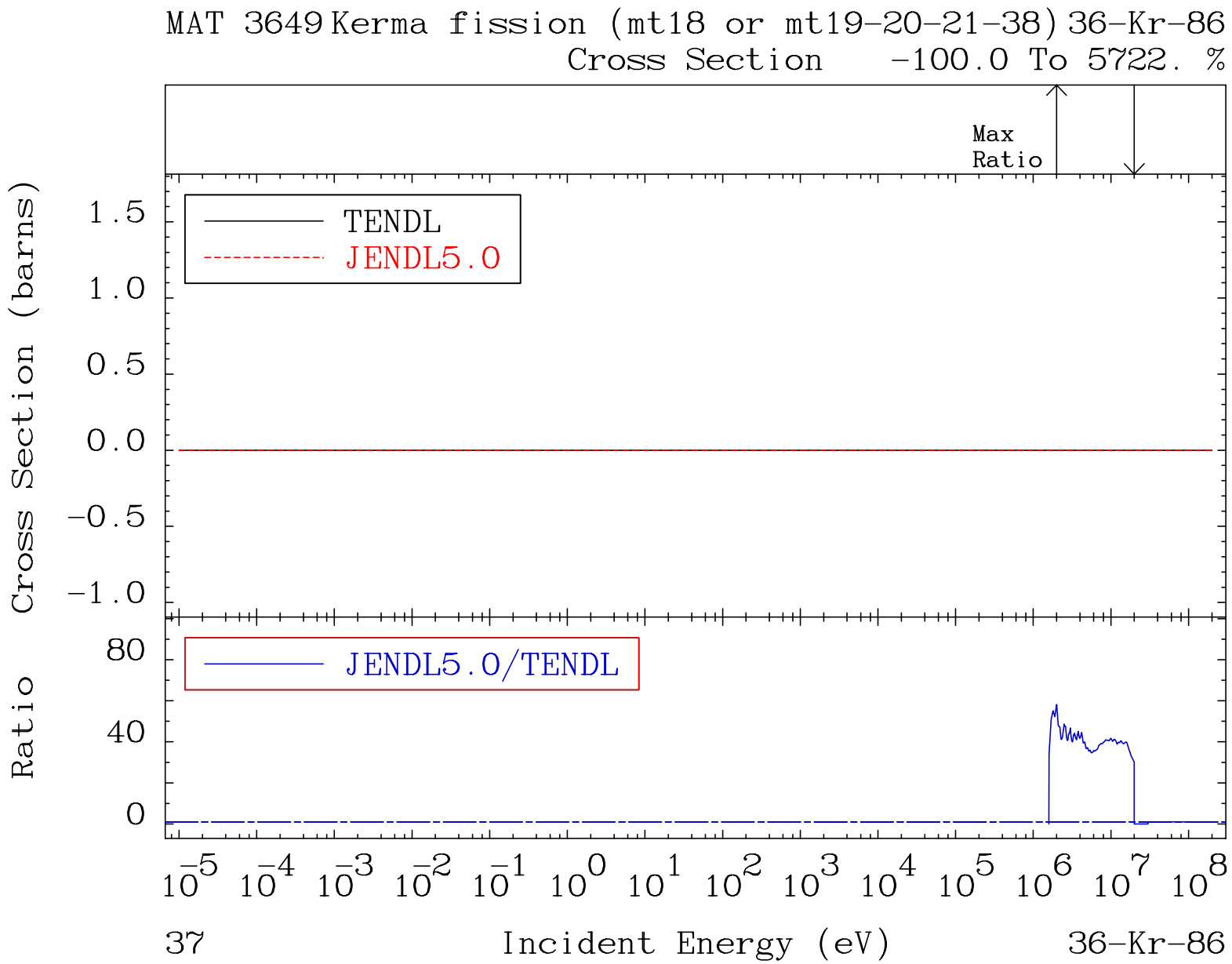

MAT 3649
He-4 Production
Cross Section
36-Kr-86
-100.0 To -42.16%
Min
Ratio
Max
Ratio
TENDL Threshold 2.3055 MeV
JENDL5.0 Threshold 8.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
0.8
0.4
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
36-Kr-86

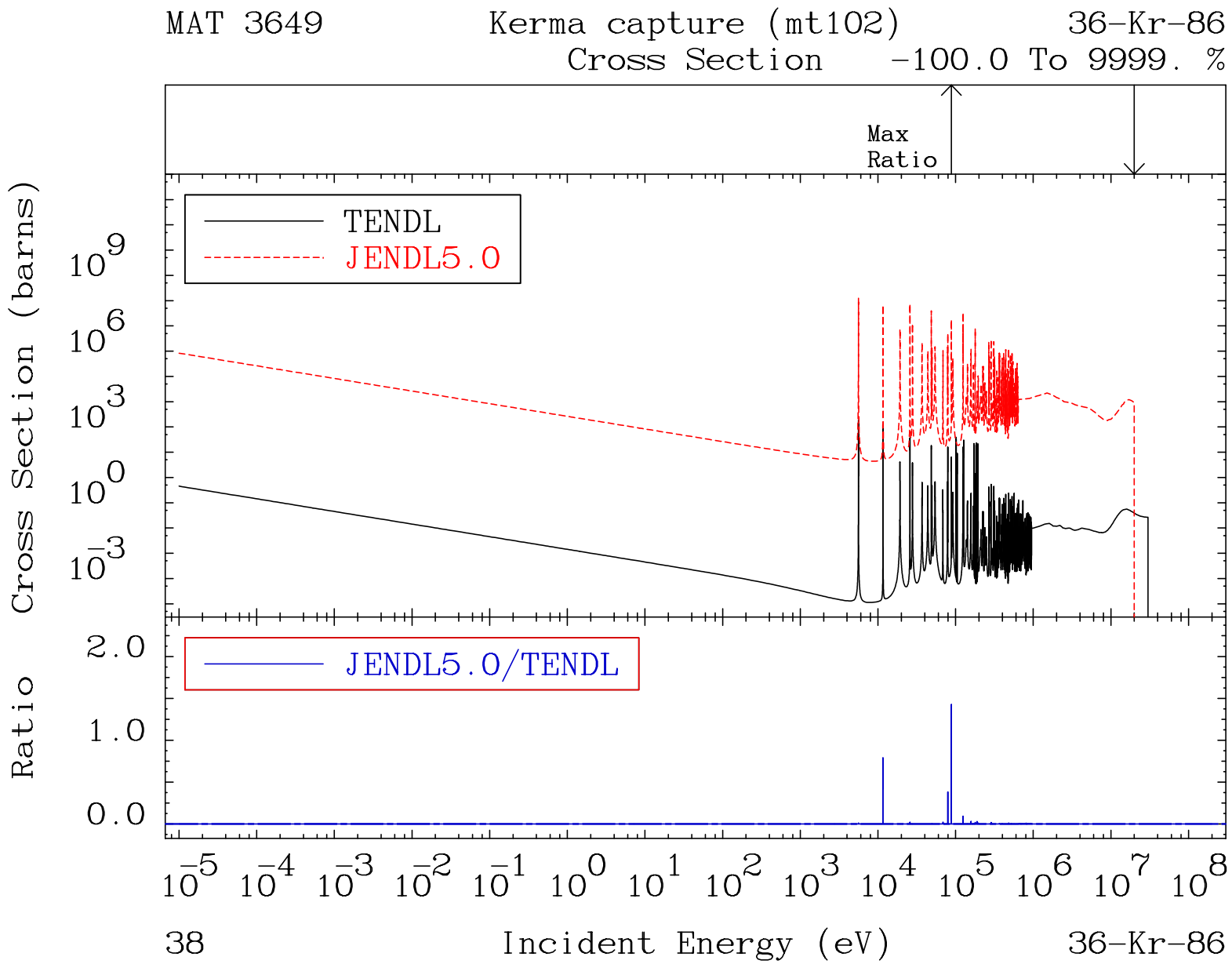

MAT 3649
Kerma total (eV-barns)
36-Kr-86
Cross Section -3854. To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
33
36-Kr-86

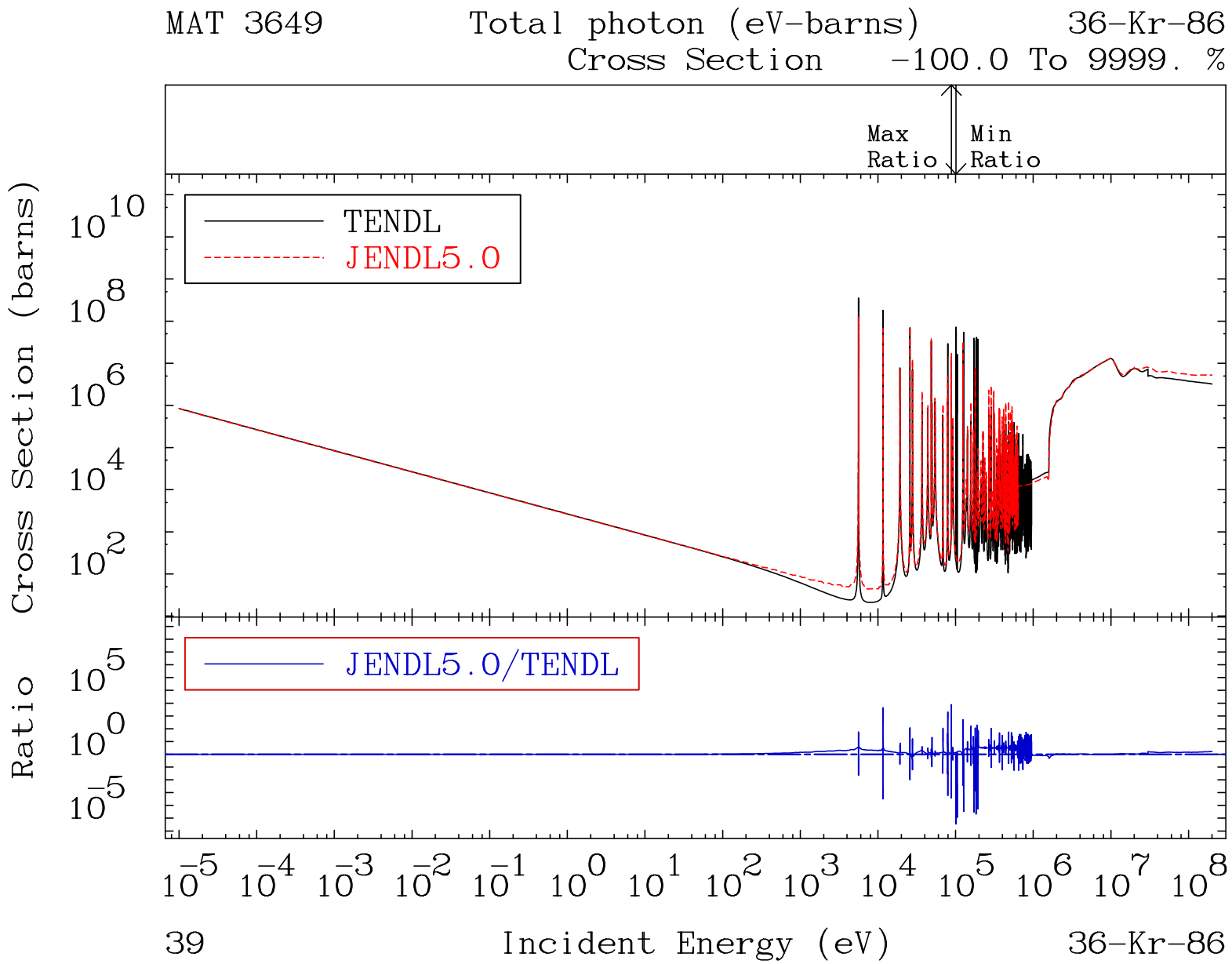

MAT 3649
Kerma elastic
Cross Section
36-Kr-86
-99.82 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
34
36-Kr-86

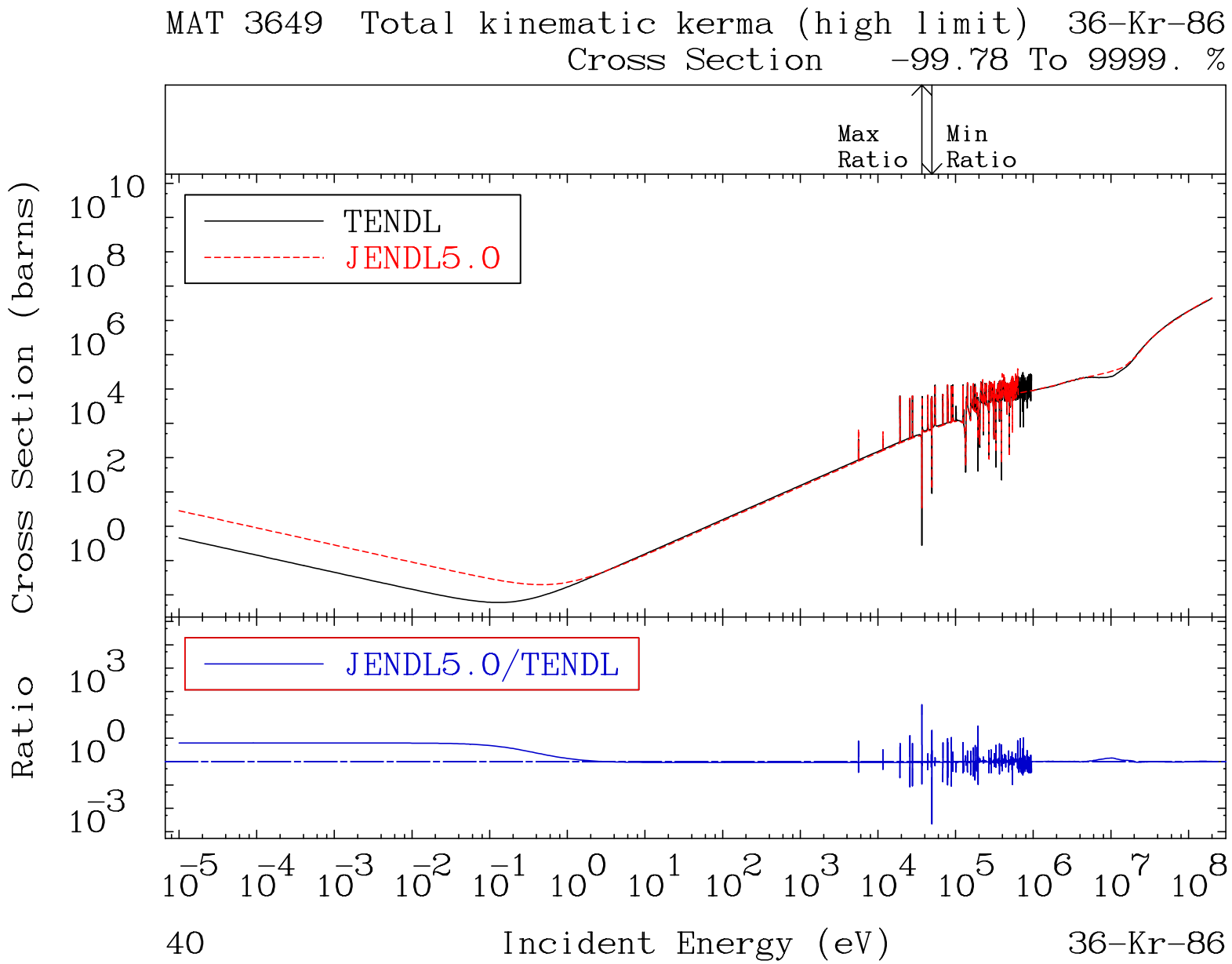

MAT 3649 Kerma non-elastic (all but mt2) 36-Kr-86
Cross Section -9999. To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
35
36-Kr-86

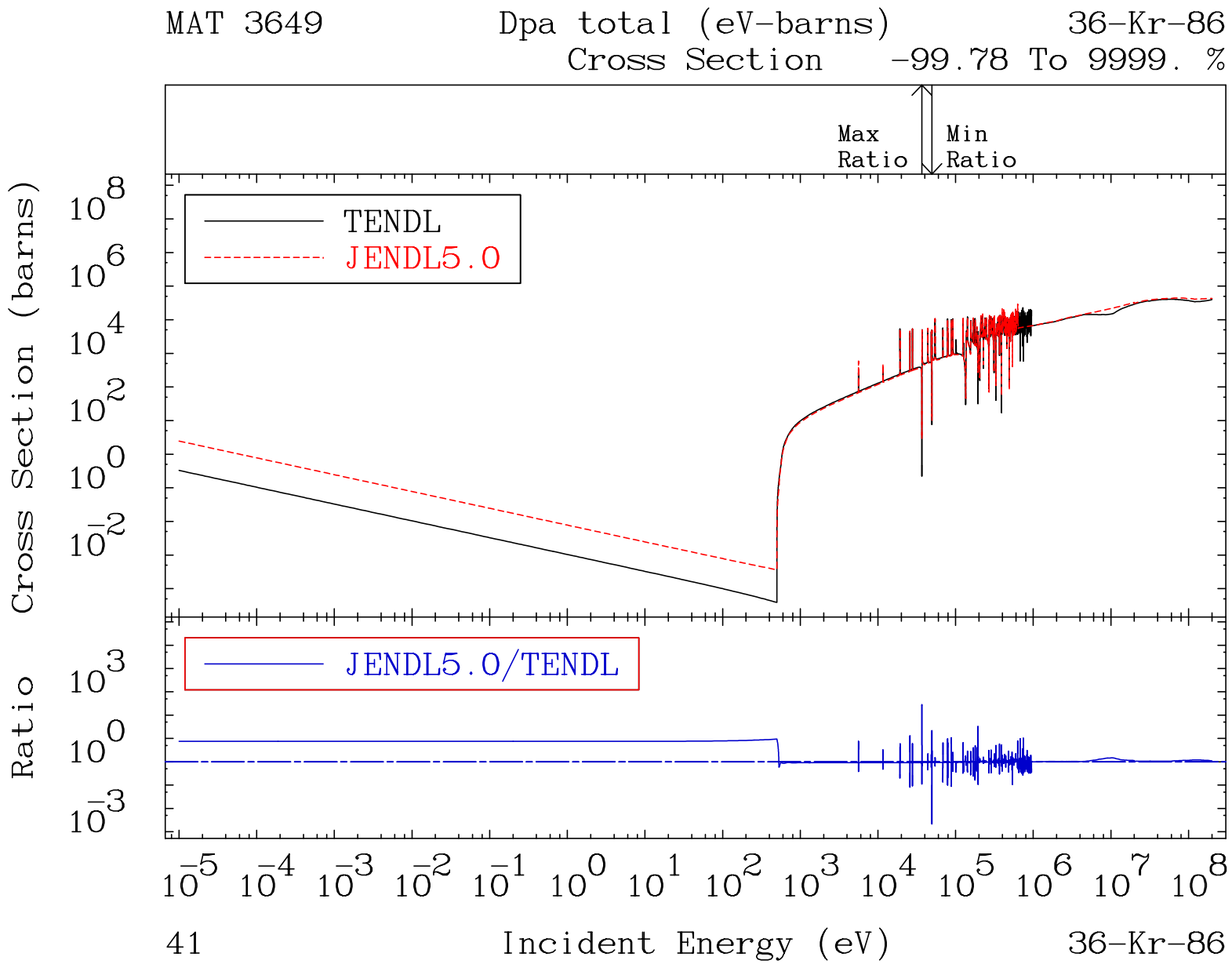

MAT 3649
Kerma inelastic (mt51-91)
36-Kr-86
Cross Section -100.0 To 5722. %
Max Ratio
Min Ratio
TENDL Threshold 1.5830 MeV
JENDL5.0 Threshold 1.5832 MeV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
36
36-Kr-86

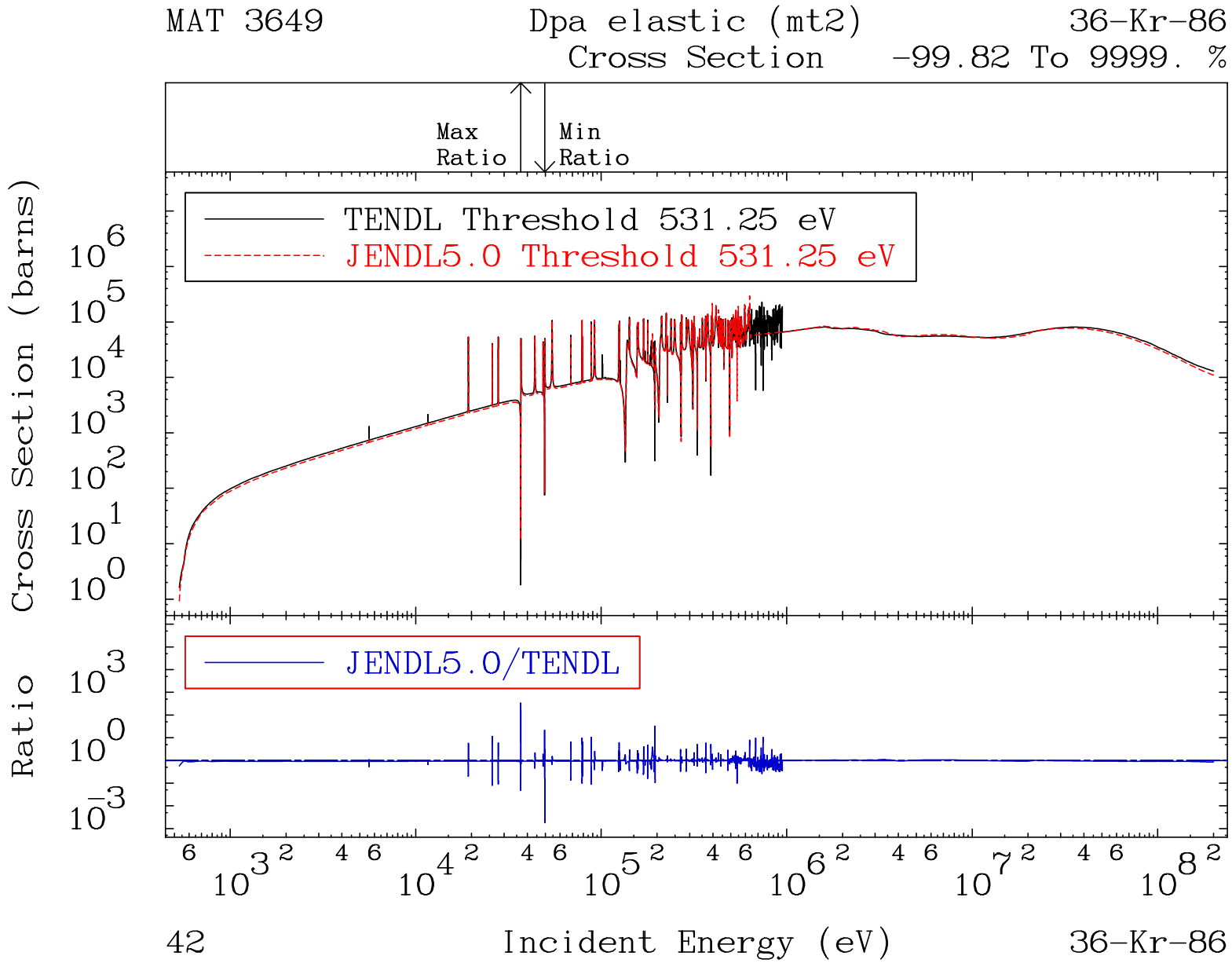

MAT 3649 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-86
Cross Section -100.0 To 5722. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
80
40
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
37
Incident Energy (eV)
36-Kr-86

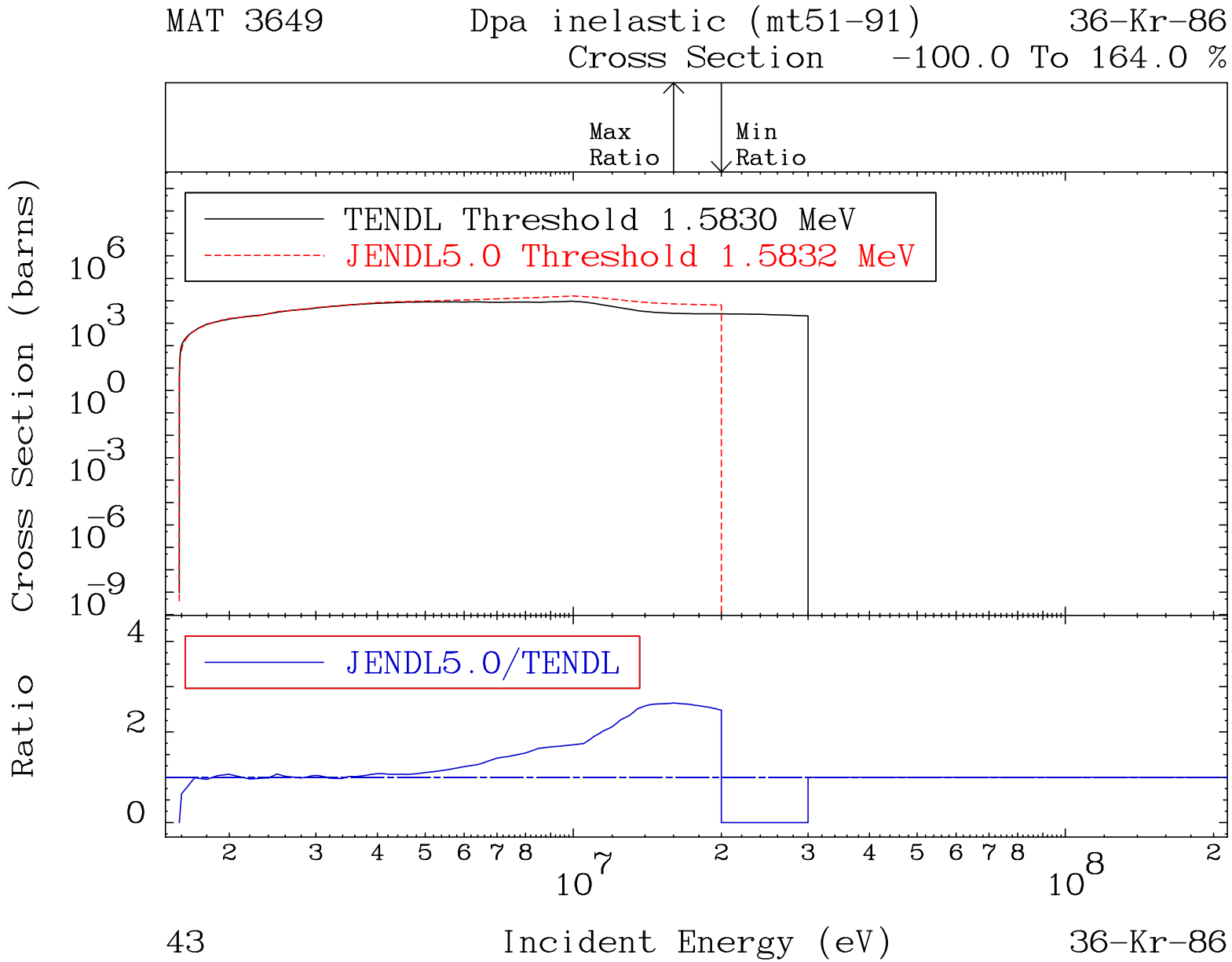

MAT 3649
Kerma capture (mt102)
36-Kr-86
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
38
36-Kr-86

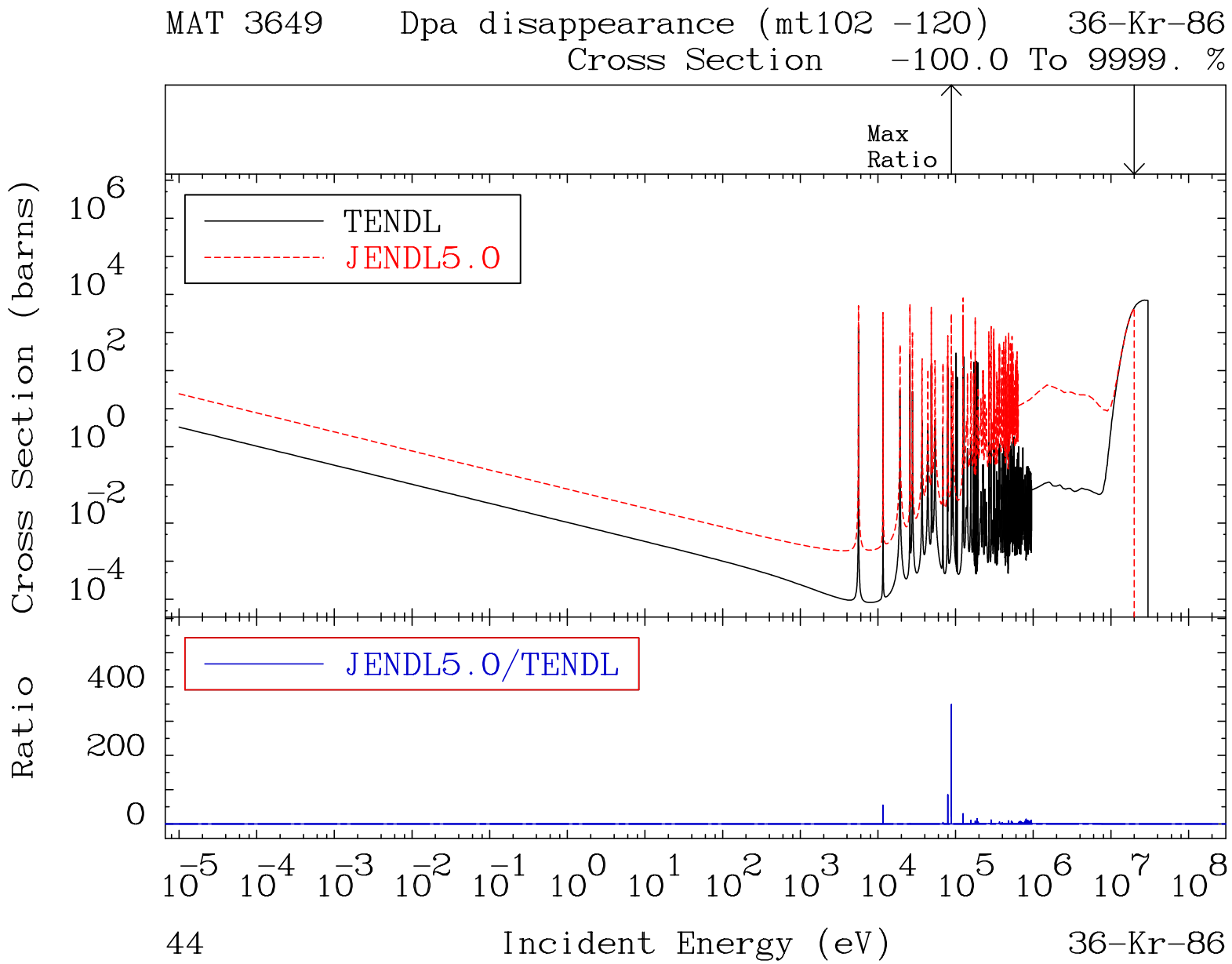

MAT 3649
Total photon (eV-barns)
36-Kr-86
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
39
36-Kr-86

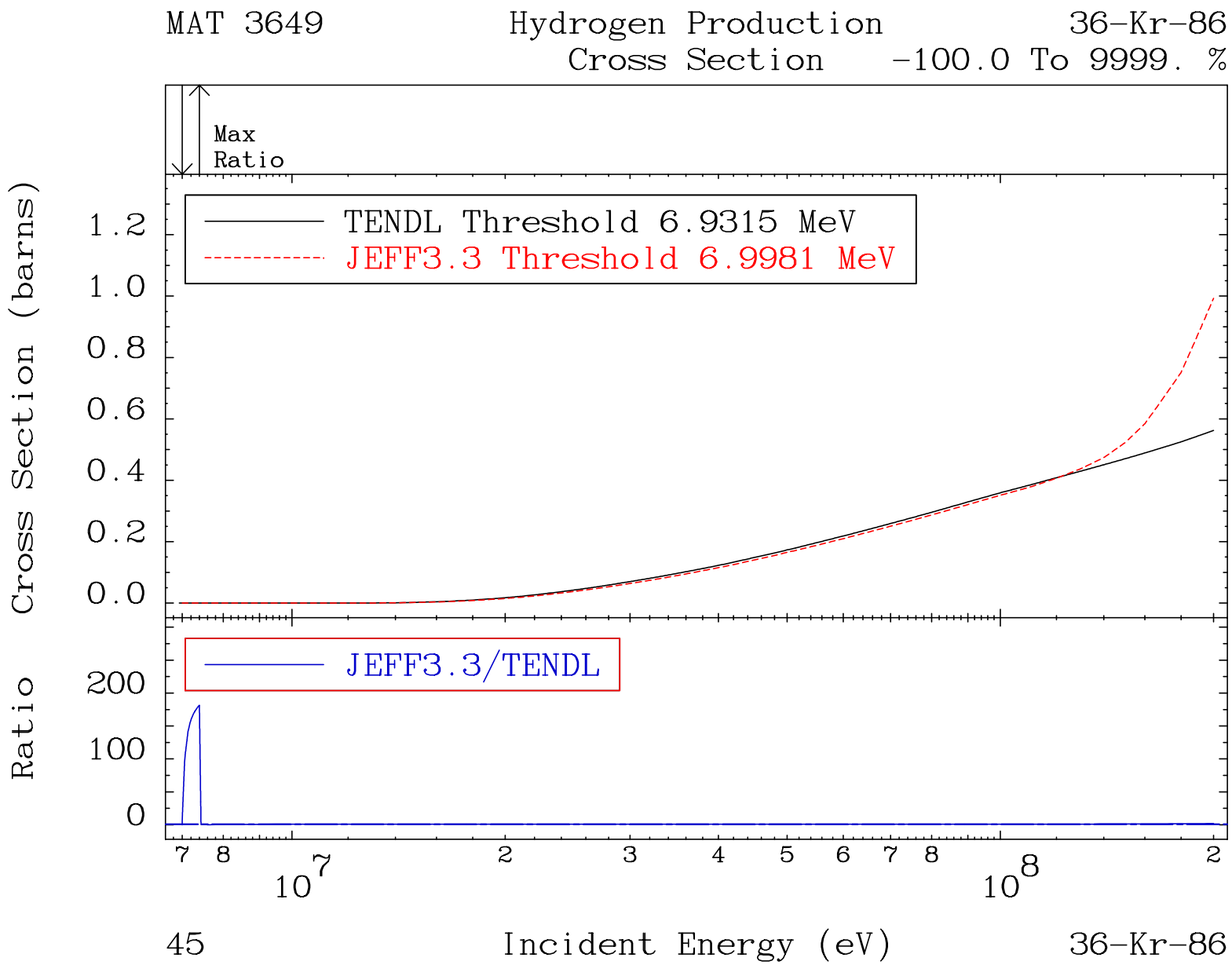

MAT 3649 Total kinematic kerma (high limit) 36-Kr-86
Cross Section -99.78 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
40
36-Kr-86

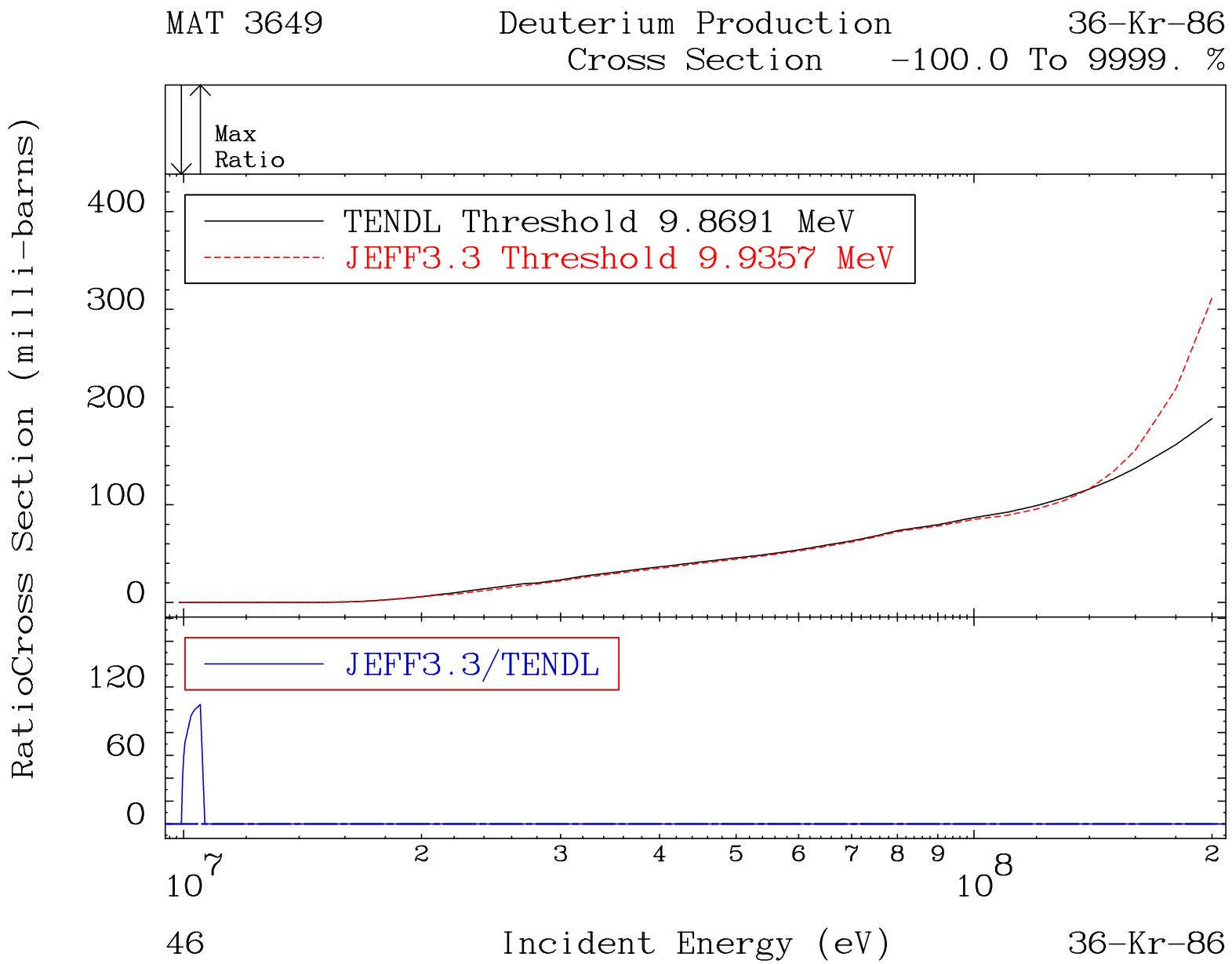

MAT 3649
Dpa total (eV-barns)
36-Kr-86
Cross Section -99.78 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
41
Incident Energy (eV)
36-Kr-86

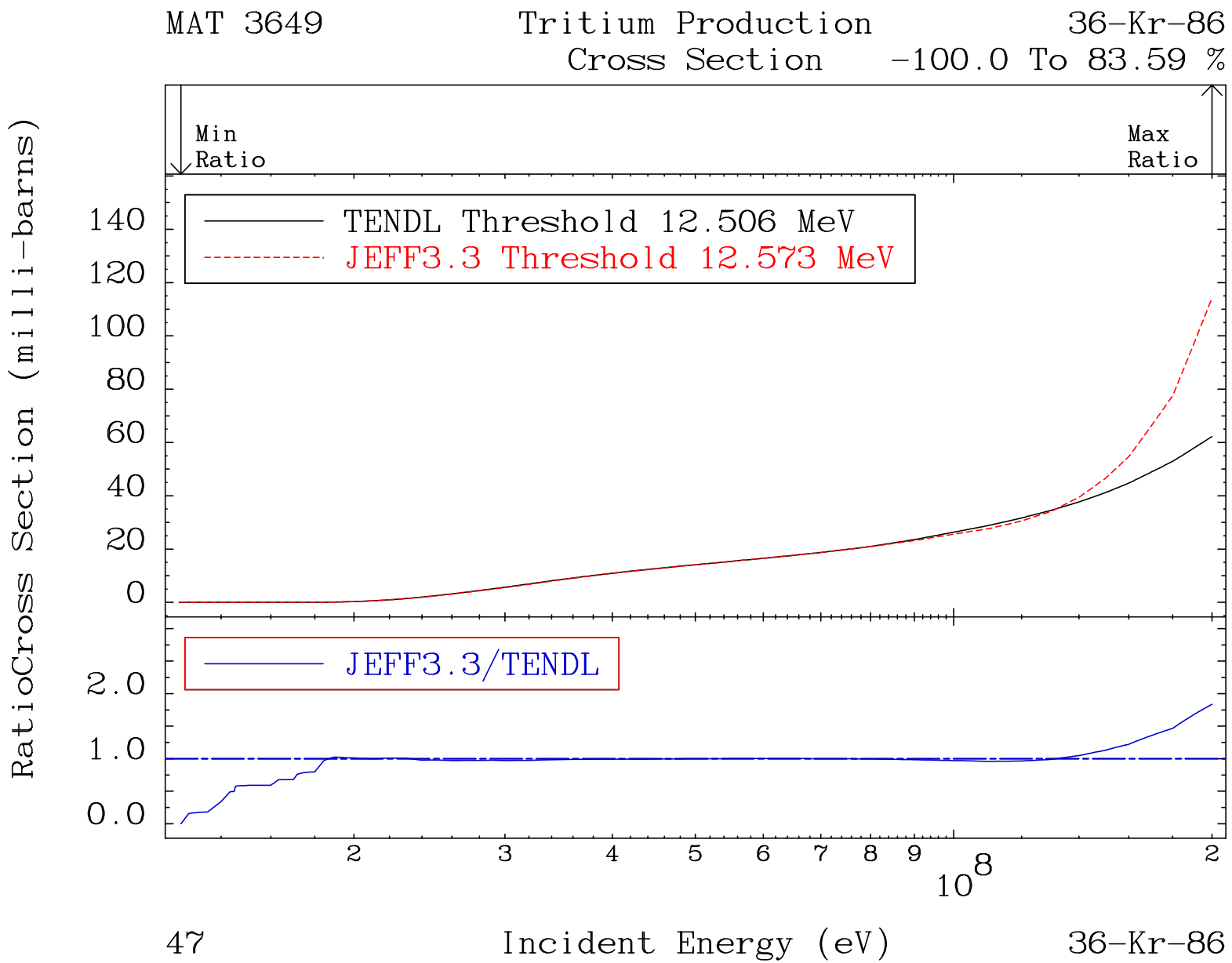

MAT 3649
Dpa elastic (mt2)
Cross Section
36-Kr-86
-99.82 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 531.25 eV
JENDL5.0 Threshold 531.25 eV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
42
36-Kr-86

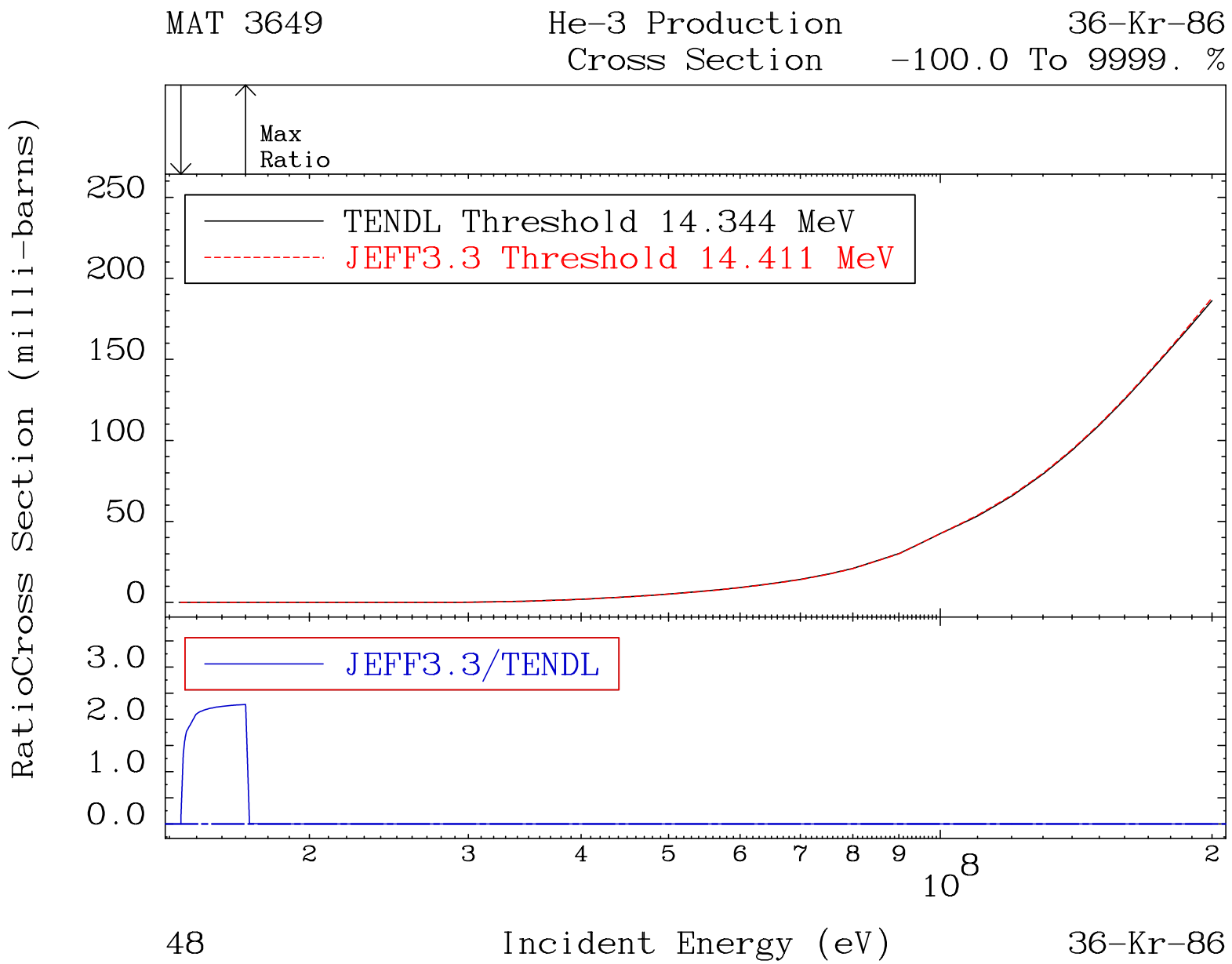

MAT 3649
Dpa inelastic (mt51-91)
36-Kr-86
Cross Section -100.0 To 164.0 %
Max Ratio
Min Ratio
TENDL Threshold 1.5830 MeV
JENDL5.0 Threshold 1.5832 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
43
36-Kr-86

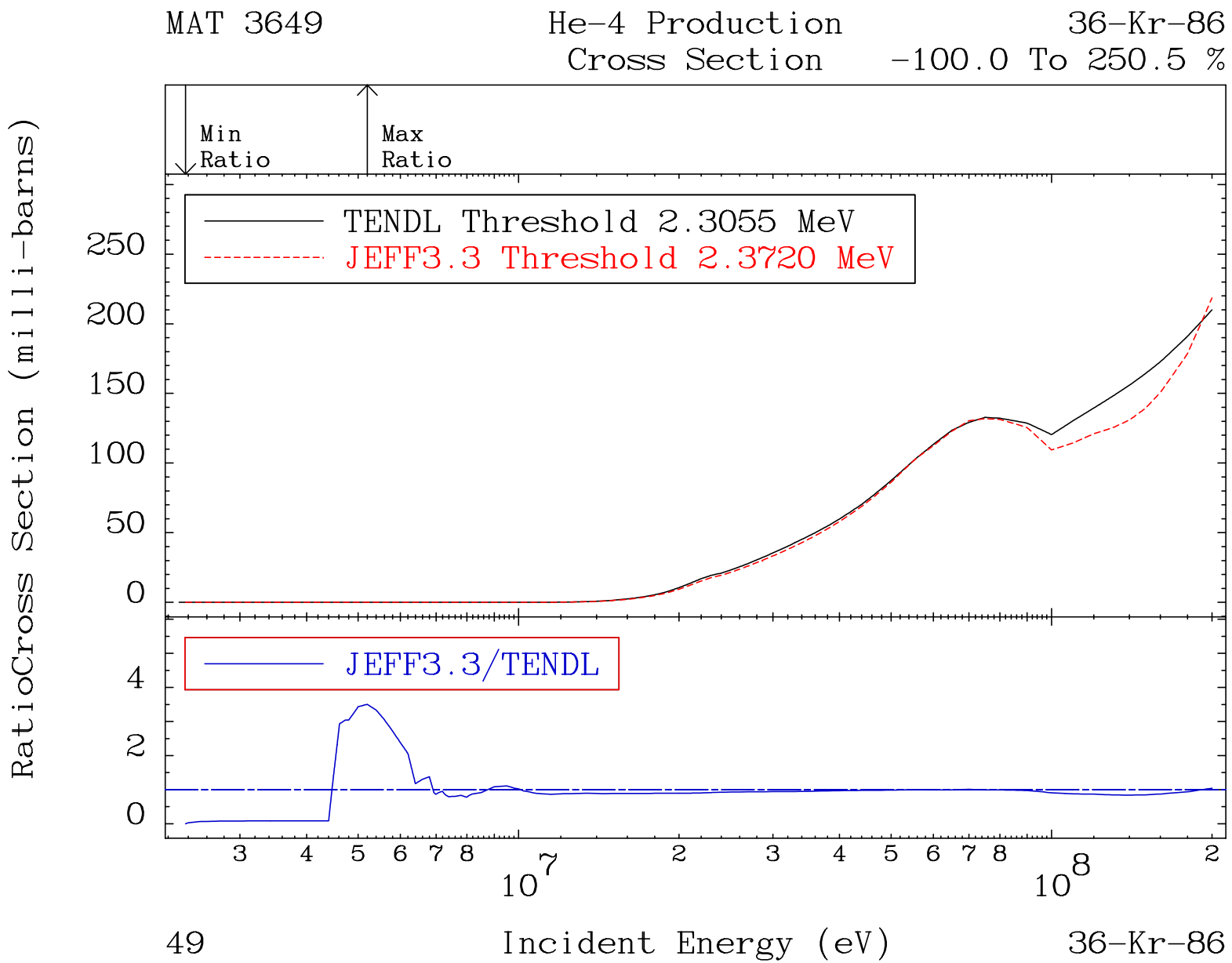

MAT 3649 Dpa disappearance (mt102 -120) 36-Kr-86
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
44
36-Kr-86

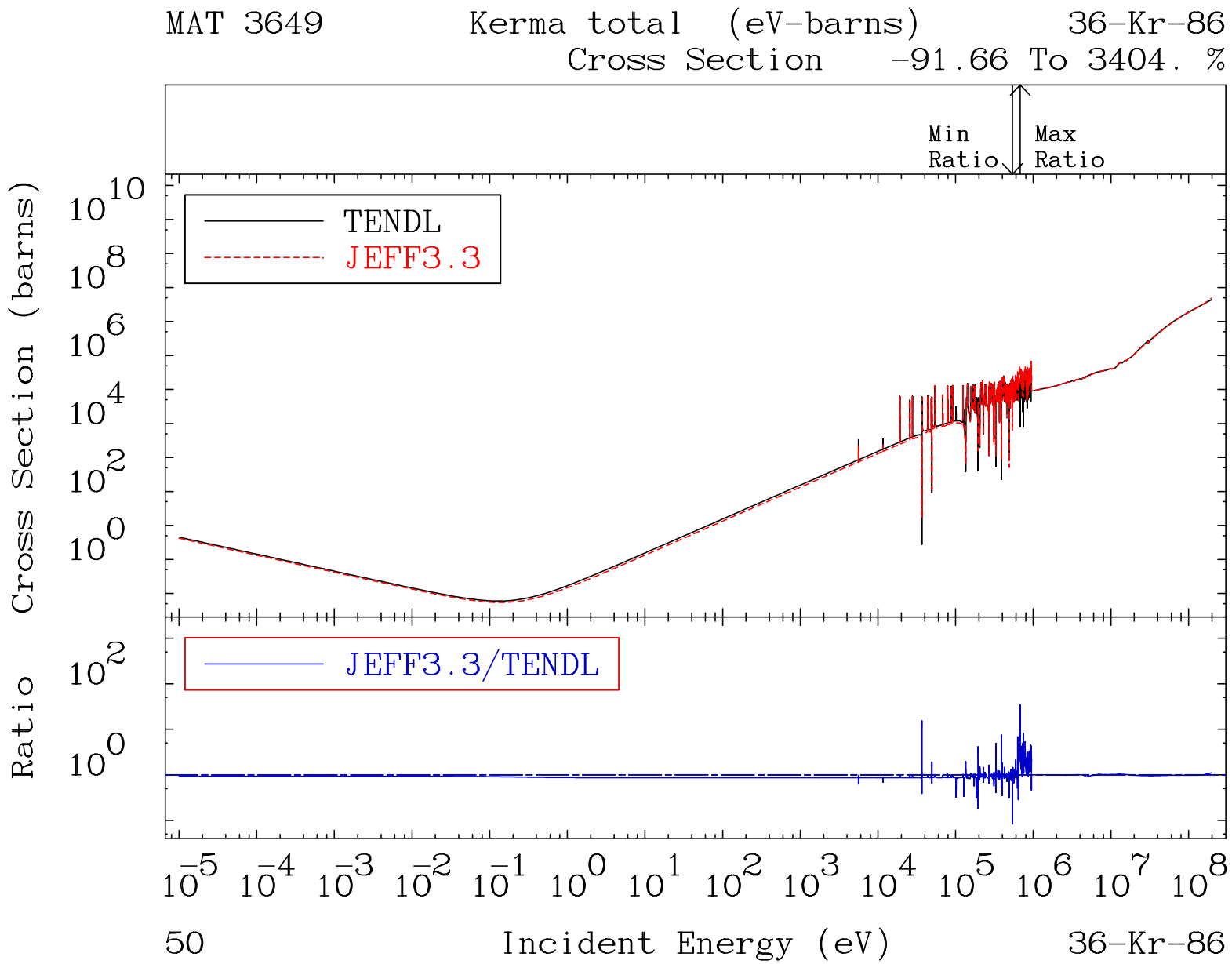

MAT 3649
Hydrogen Production
36-Kr-86
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.9315 MeV
JEFF3.3 Threshold 6.9981 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
200
100
0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
45
Incident Energy (eV)
36-Kr-86

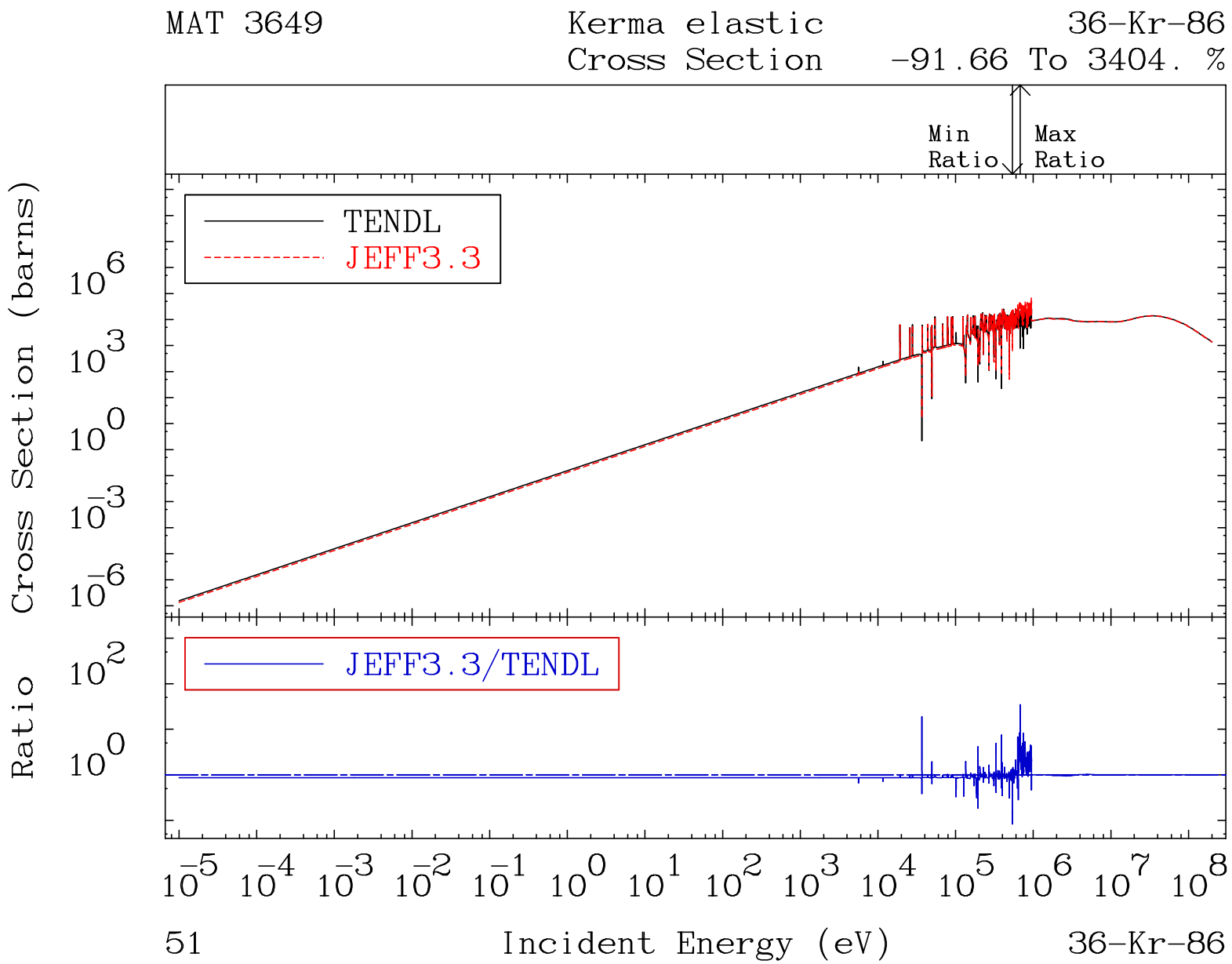

MAT 3649
Deuterium Production
36-Kr-86
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 9.8691 MeV
JEFF3.3 Threshold 9.9357 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
120
60
0
10^7
2
3
4
5
6
7
8
9
10^8
2
46
Incident Energy (eV)
36-Kr-86

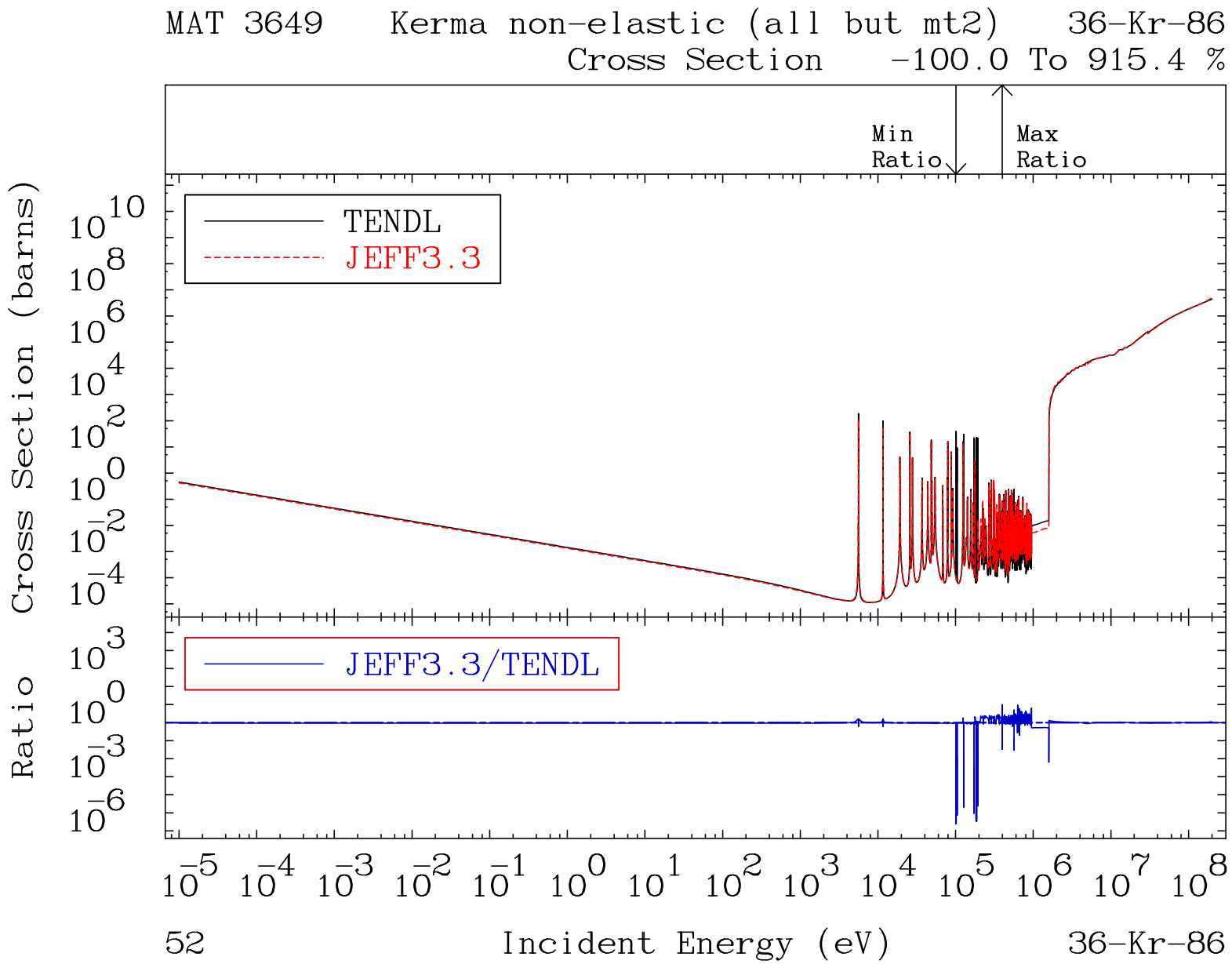

MAT 3649
Tritium Production
36-Kr-86
Cross Section
-100.0 To 83.59 %
Min
Ratio
Max
Ratio
TENDL Threshold 12.506 MeV
JEFF3.3 Threshold 12.573 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
47
Incident Energy (eV)
36-Kr-86

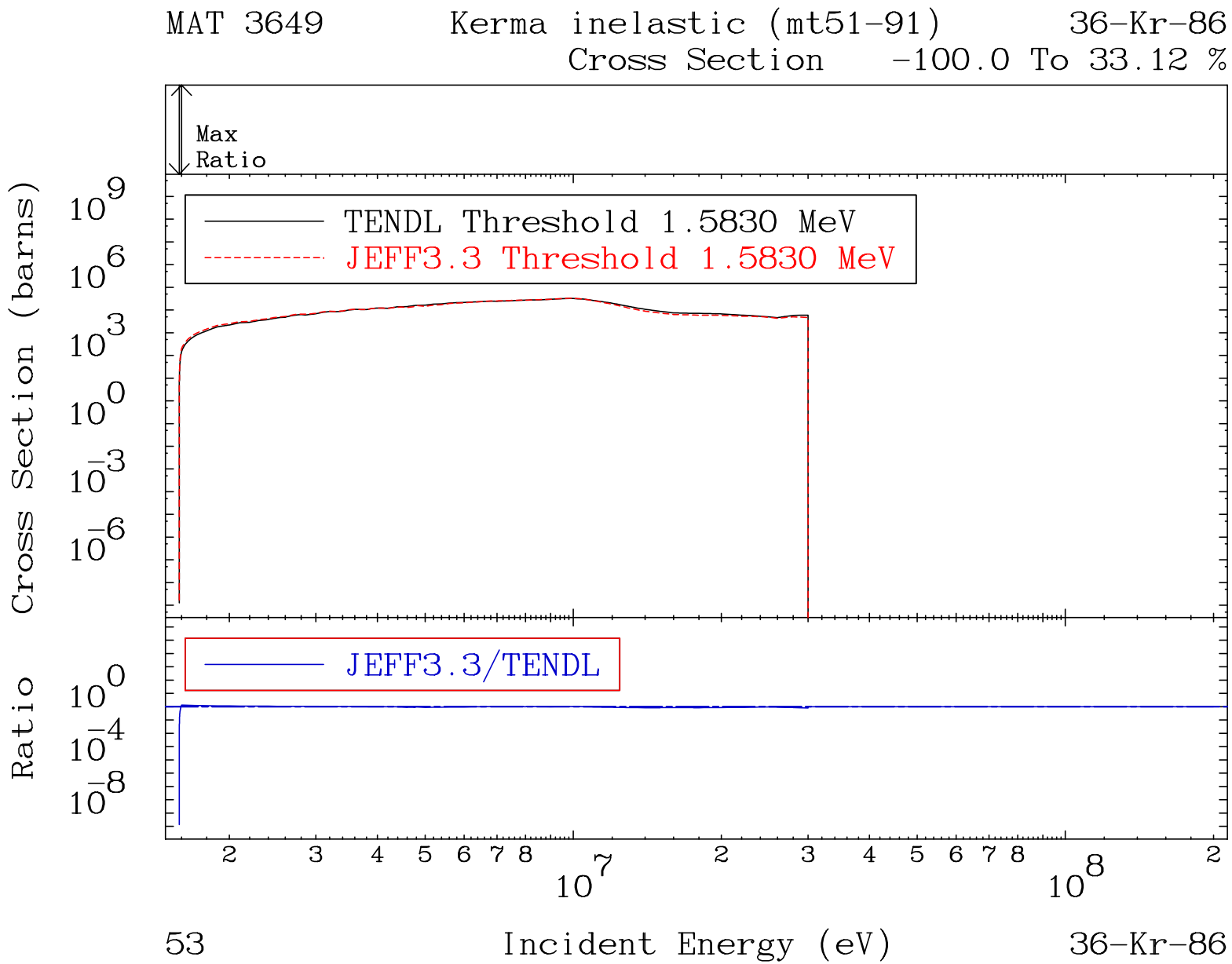

MAT 3649
He-3 Production
Cross Section
36-Kr-86
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 14.344 MeV
JEFF3.3 Threshold 14.411 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
3.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
48
Incident Energy (eV)
36-Kr-86

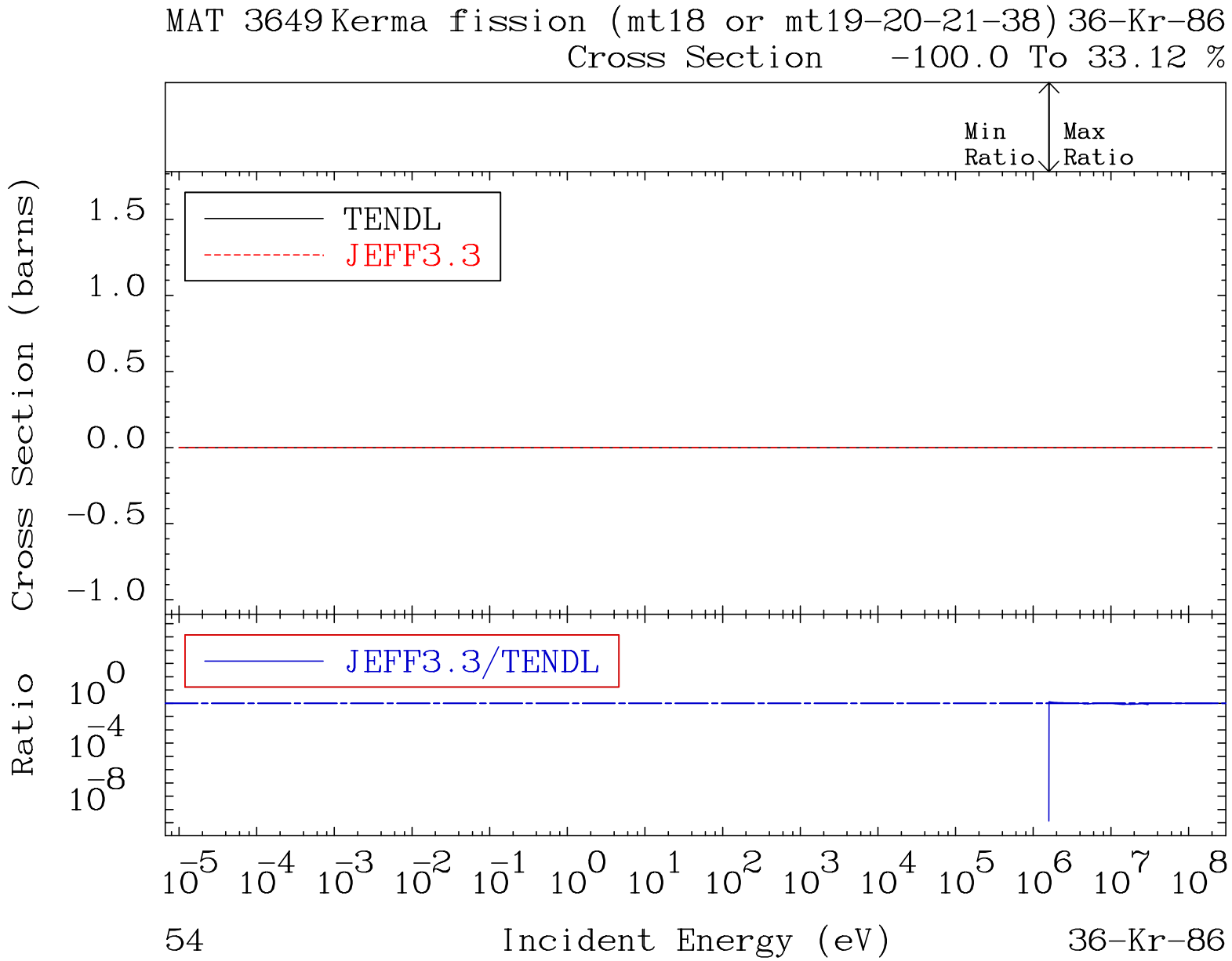

MAT 3649
He-4 Production
Cross Section
36-Kr-86
-100.0 To 250.5 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.3055 MeV
JEFF3.3 Threshold 2.3720 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
4
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
49
Incident Energy (eV)
36-Kr-86

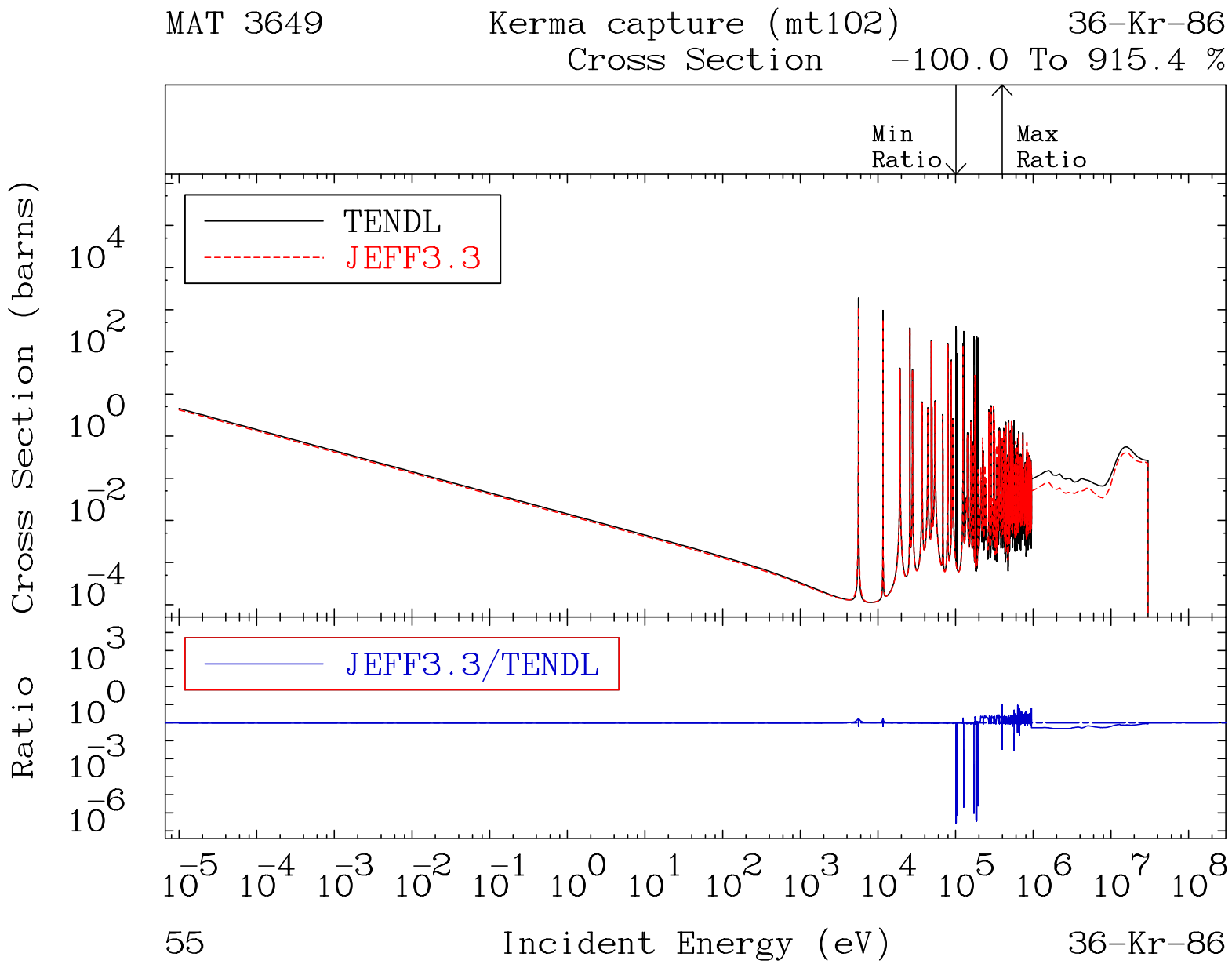

MAT 3649
Kerma total (eV-barns)
36-Kr-86
Cross Section -91.66 To 3404. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
50
36-Kr-86

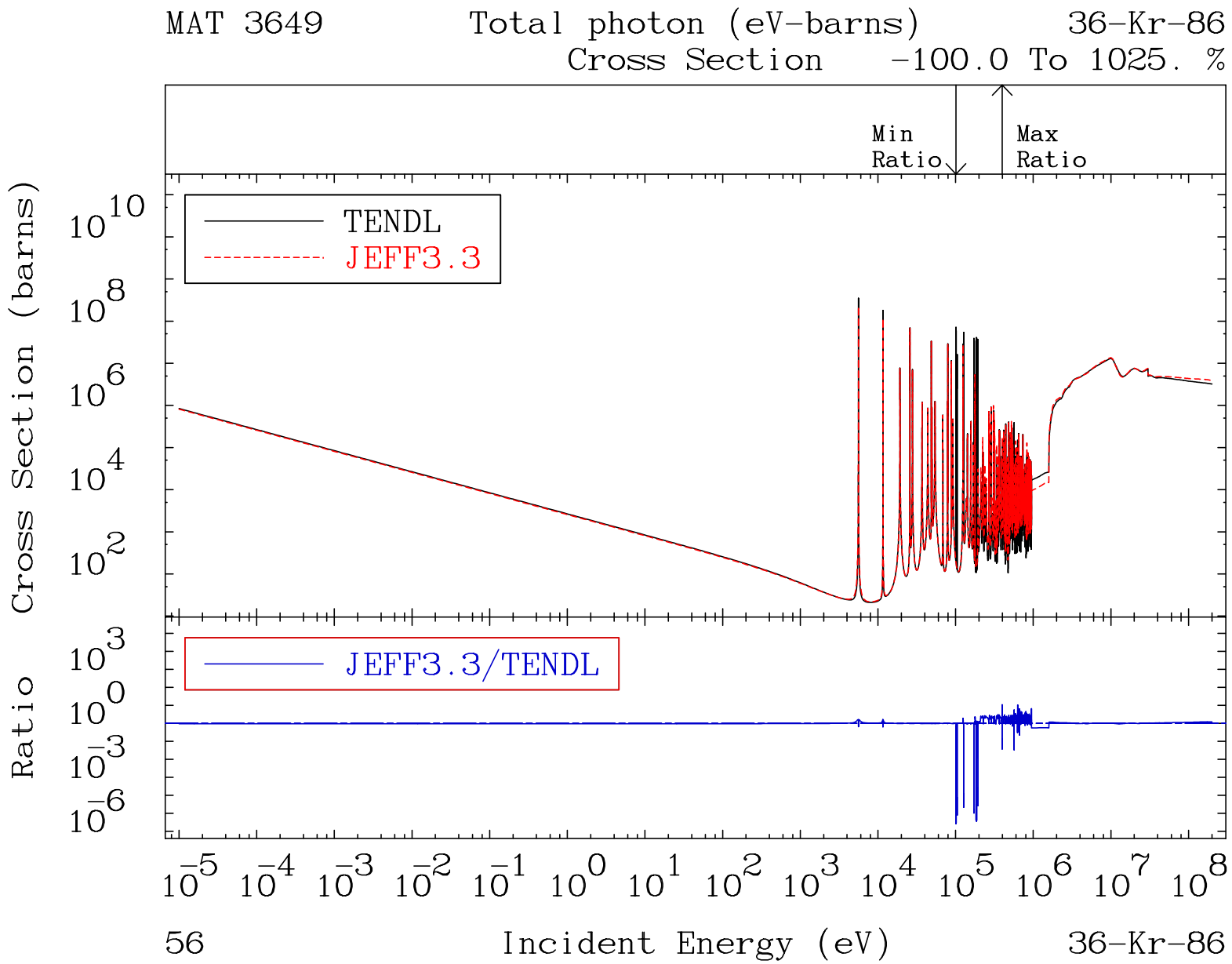

MAT 3649
Kerma elastic
Cross Section
36-Kr-86
-91.66 To 3404. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
36-Kr-86

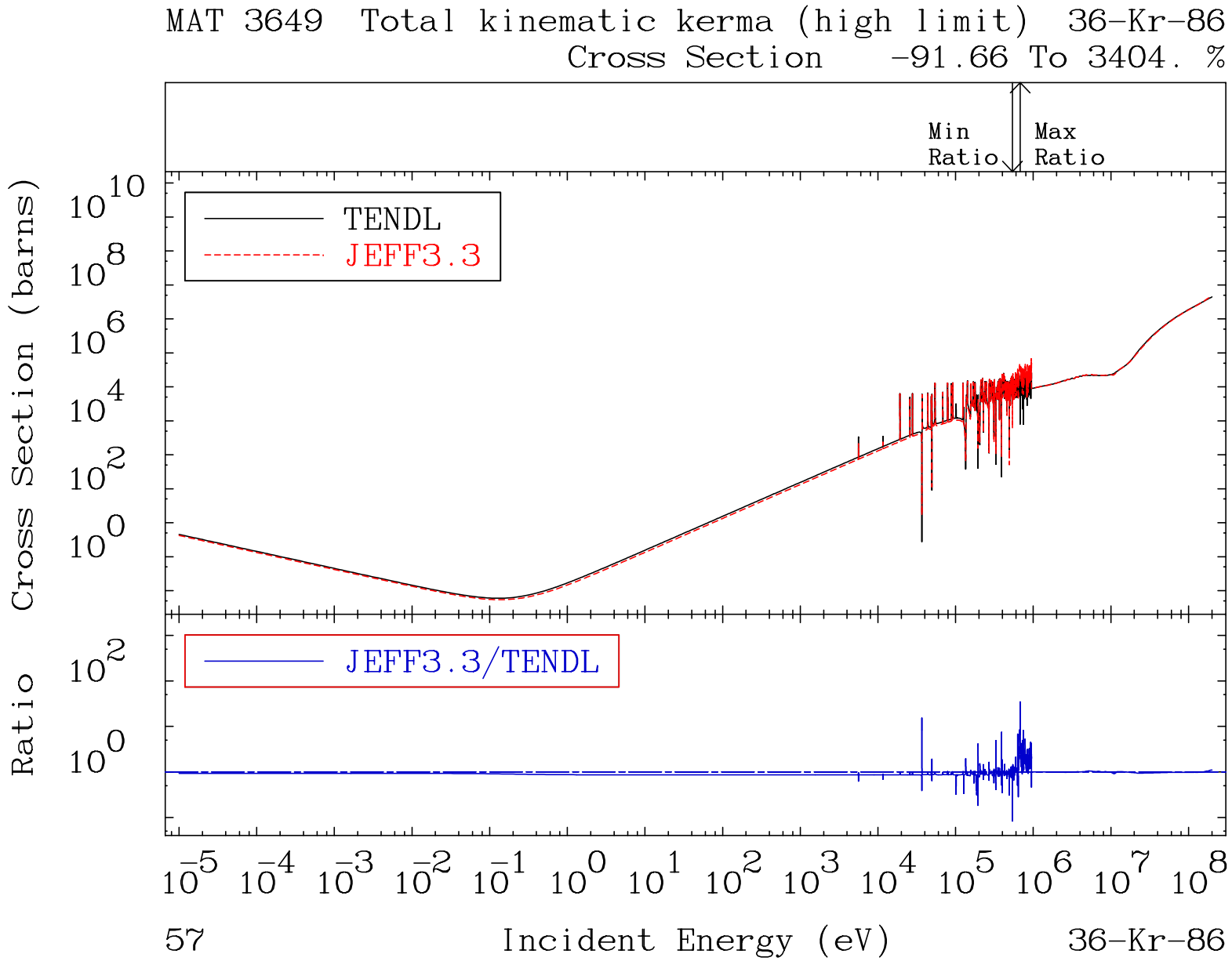

MAT 3649 Kerma non-elastic (all but mt2) 36-Kr-86
Cross Section -100.0 To 915.4 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
36-Kr-86

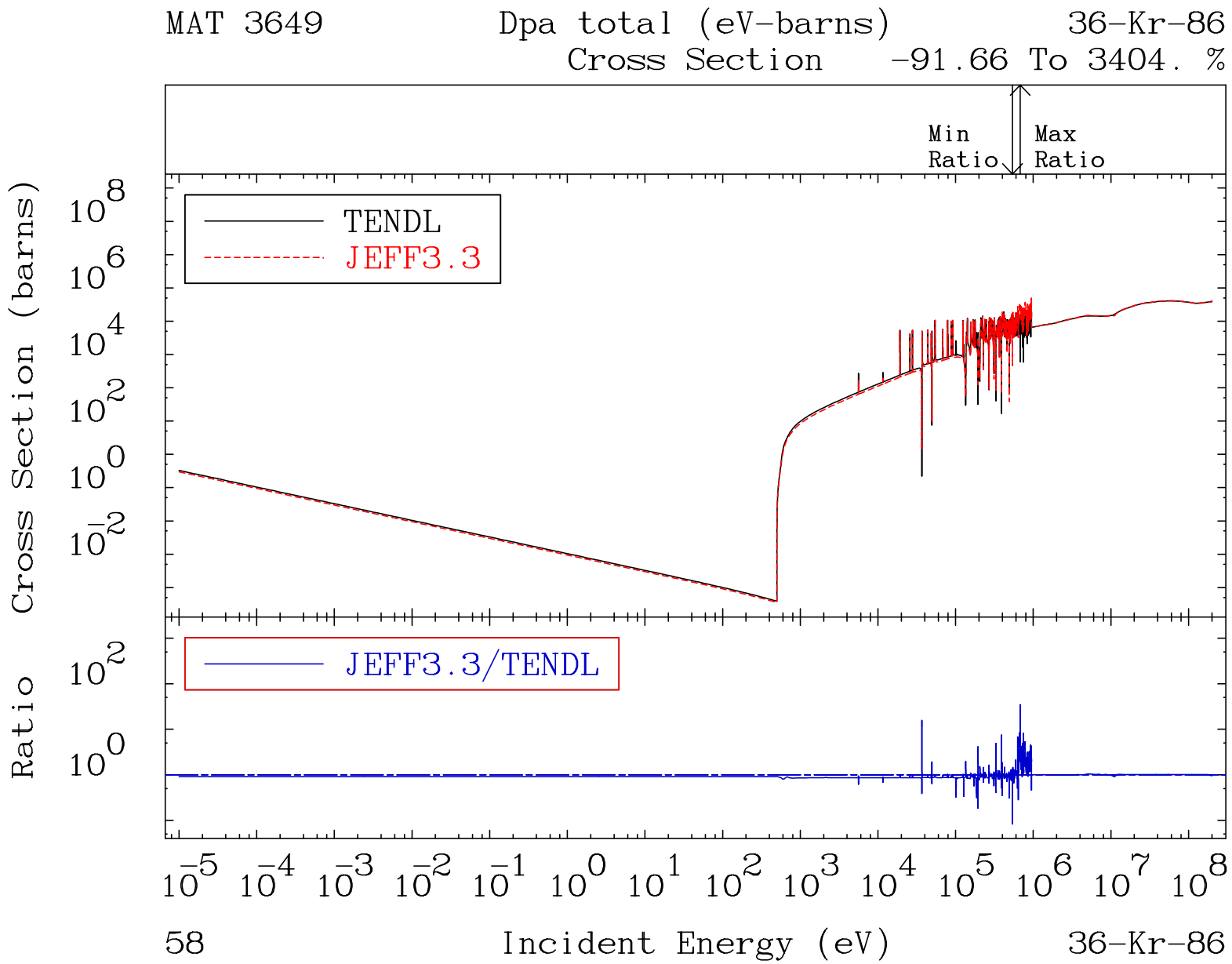

MAT 3649 Kerma inelastic (mt51-91) 36-Kr-86
Cross Section -100.0 To 33.12 %
Max
Ratio
TENDL Threshold 1.5830 MeV
JEFF3.3 Threshold 1.5830 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
36-Kr-86

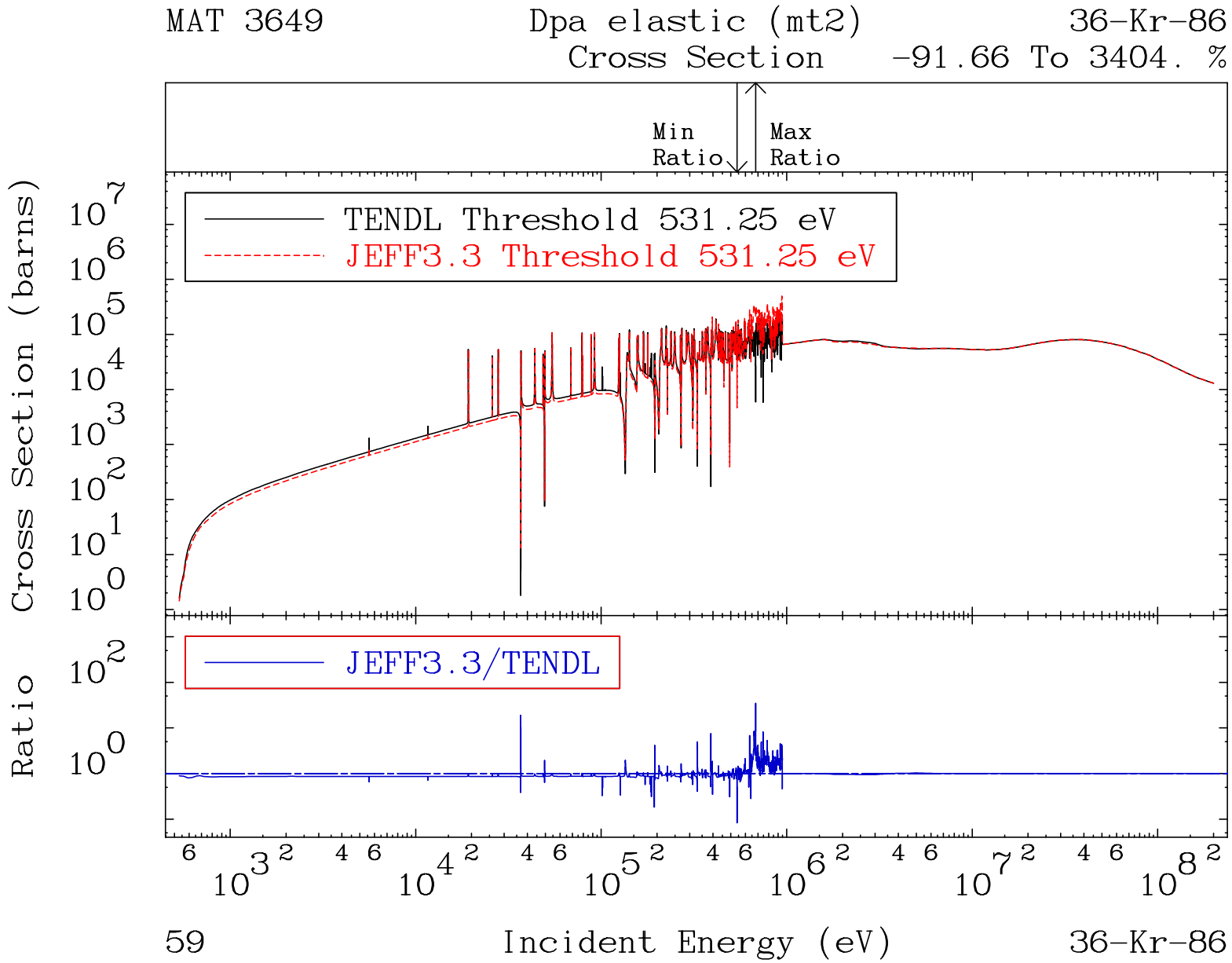

MAT 3649 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-86
Cross Section -100.0 To 33.12 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{0}
10^{-4}
10^{-8}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
54
Incident Energy (eV)
36-Kr-86

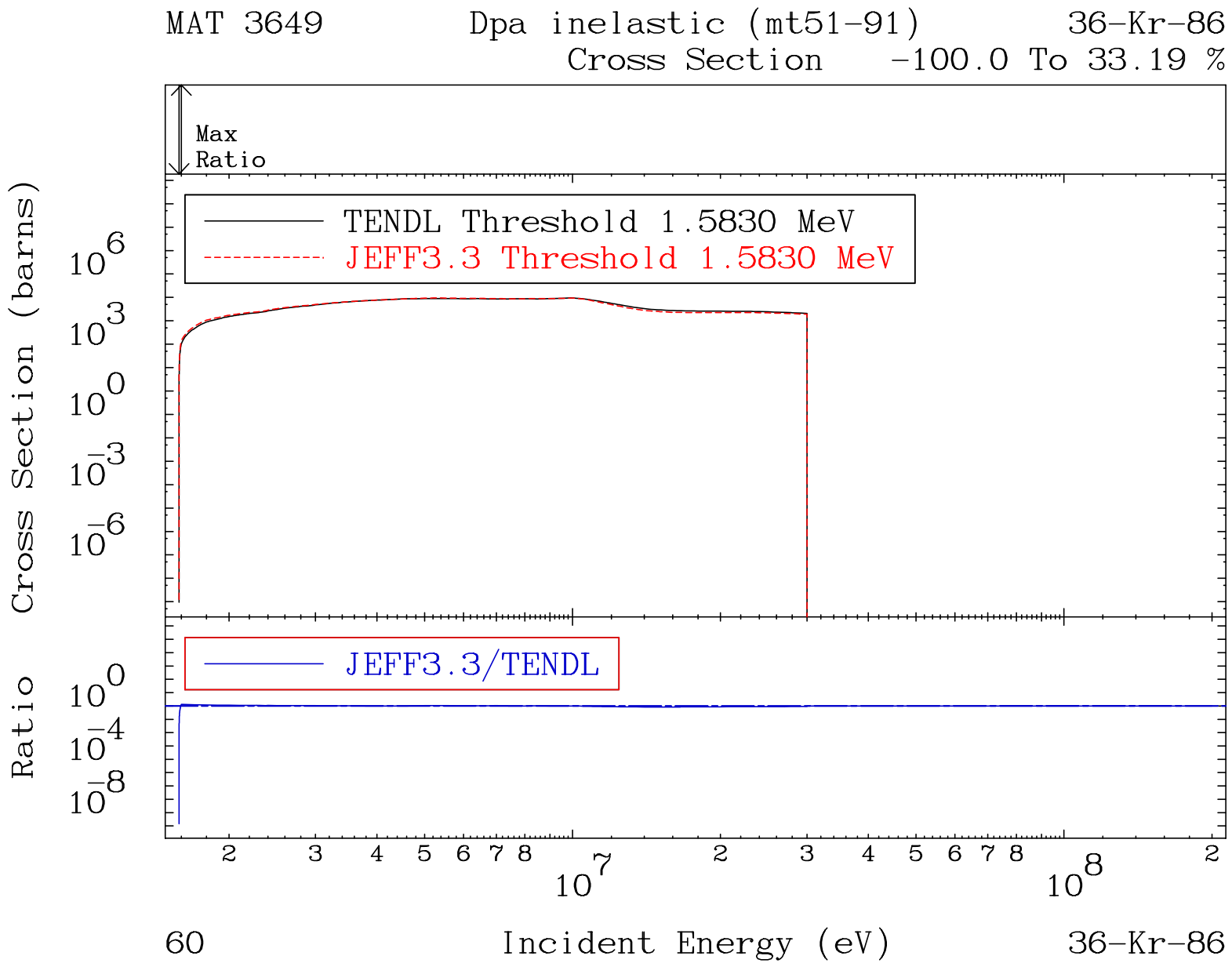

MAT 3649
Kerma capture (mt102)
36-Kr-86
Cross Section -100.0 To 915.4 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
36-Kr-86

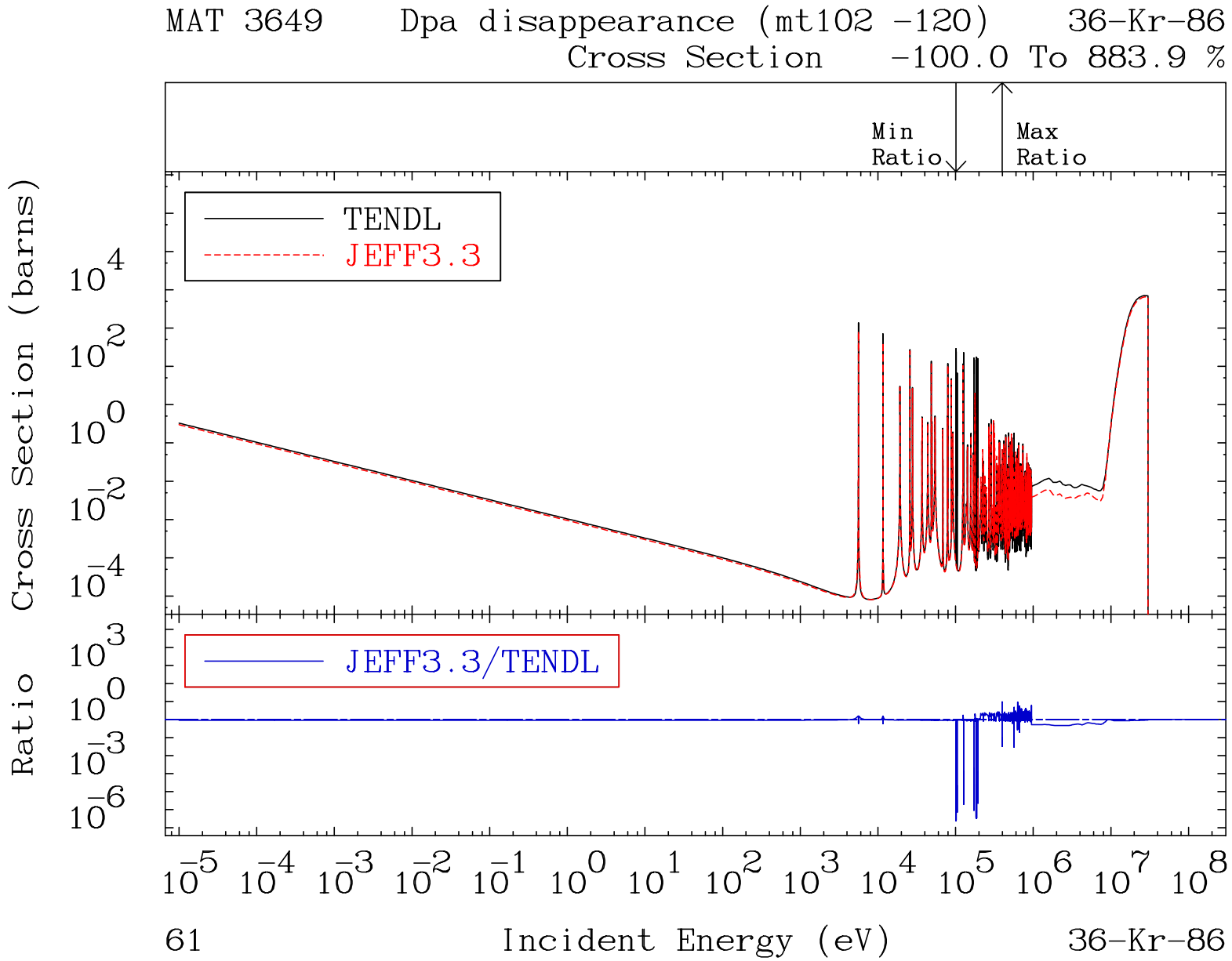

MAT 3649
Total photon (eV-barns)
36-Kr-86
Cross Section -100.0 To 1025. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
56
36-Kr-86

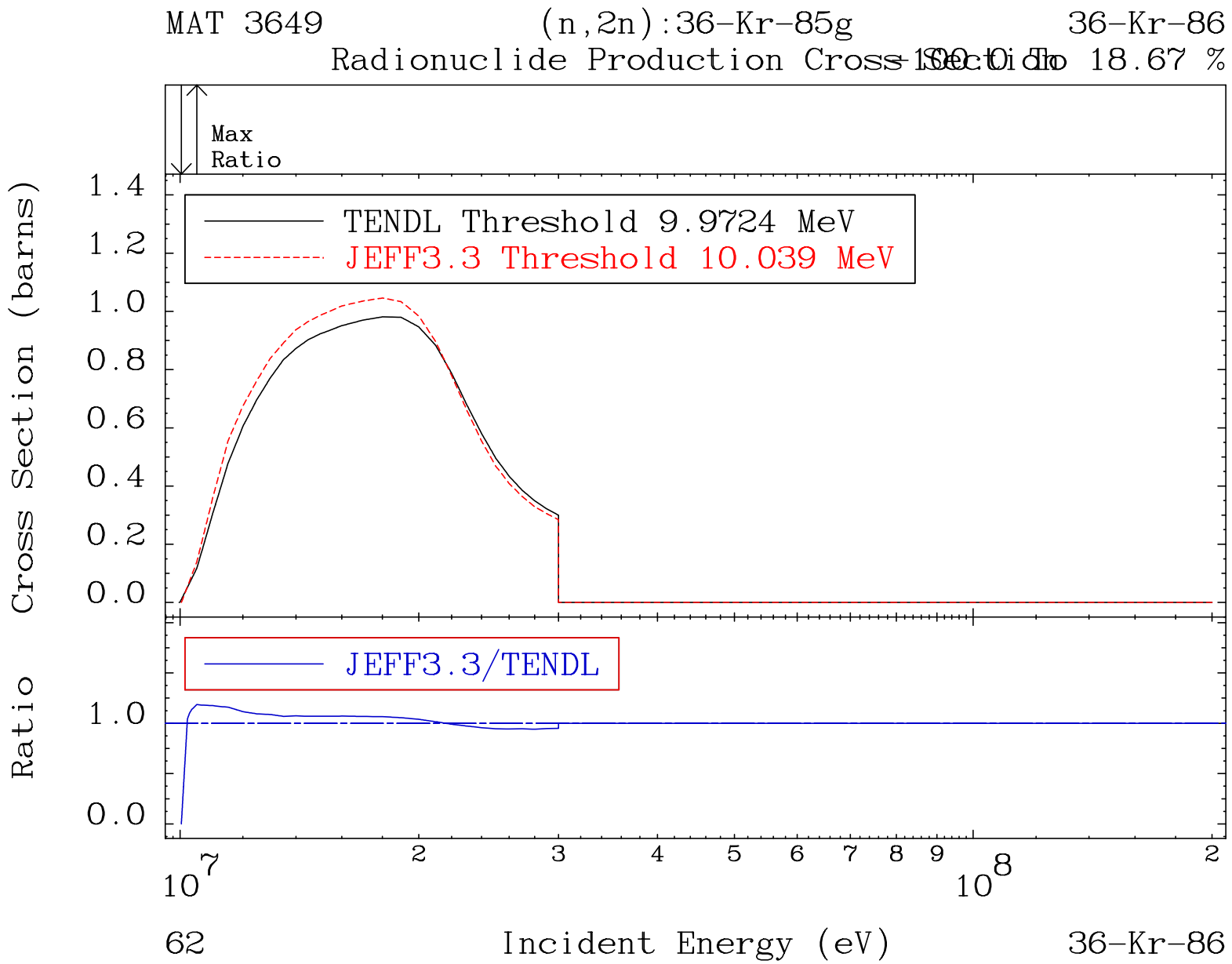

MAT 3649 Total kinematic kerma (high limit) 36-Kr-86
Cross Section -91.66 To 3404. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
57
36-Kr-86

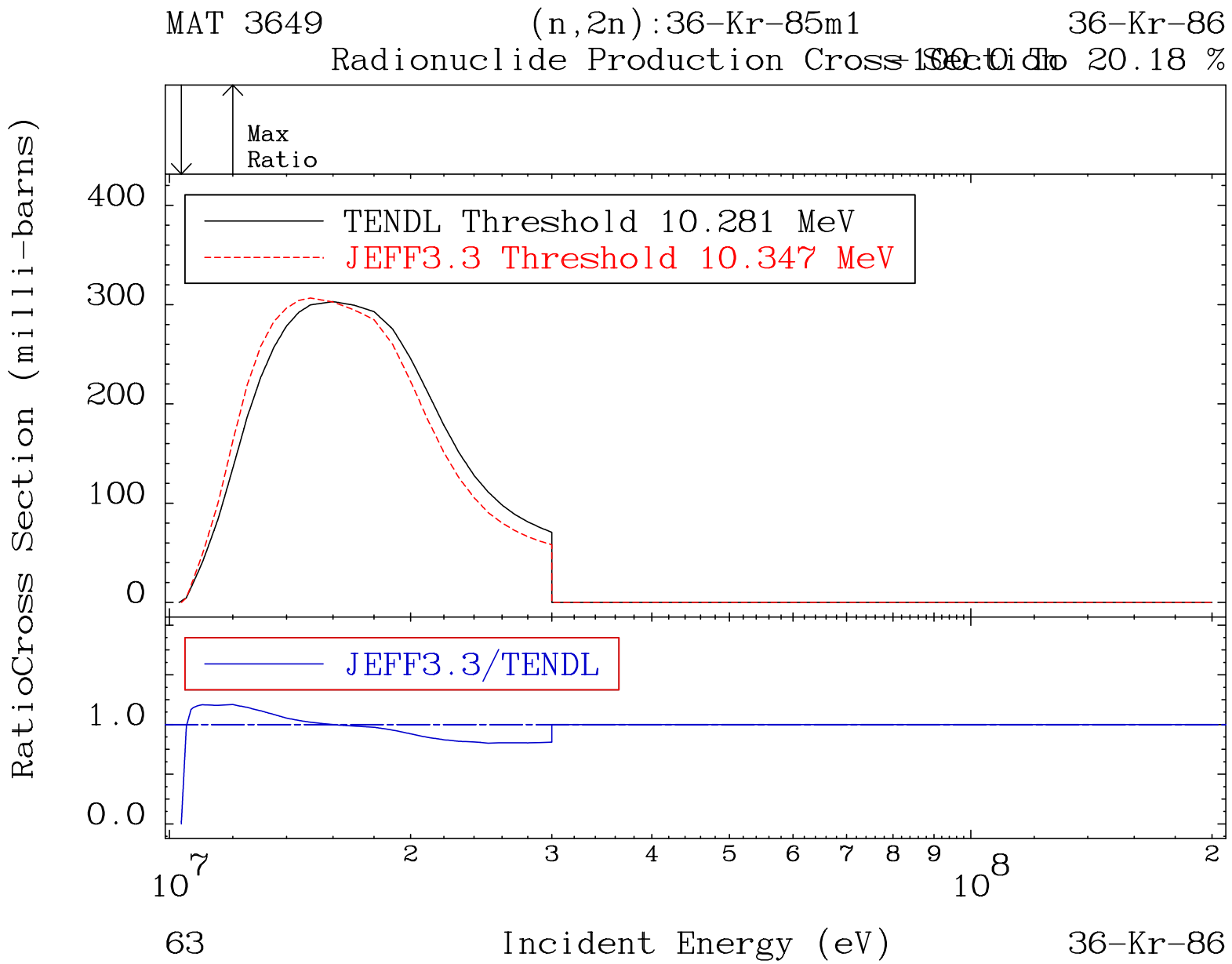

MAT 3649
Dpa total (eV-barns)
36-Kr-86
Cross Section -91.66 To 3404. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
36-Kr-86

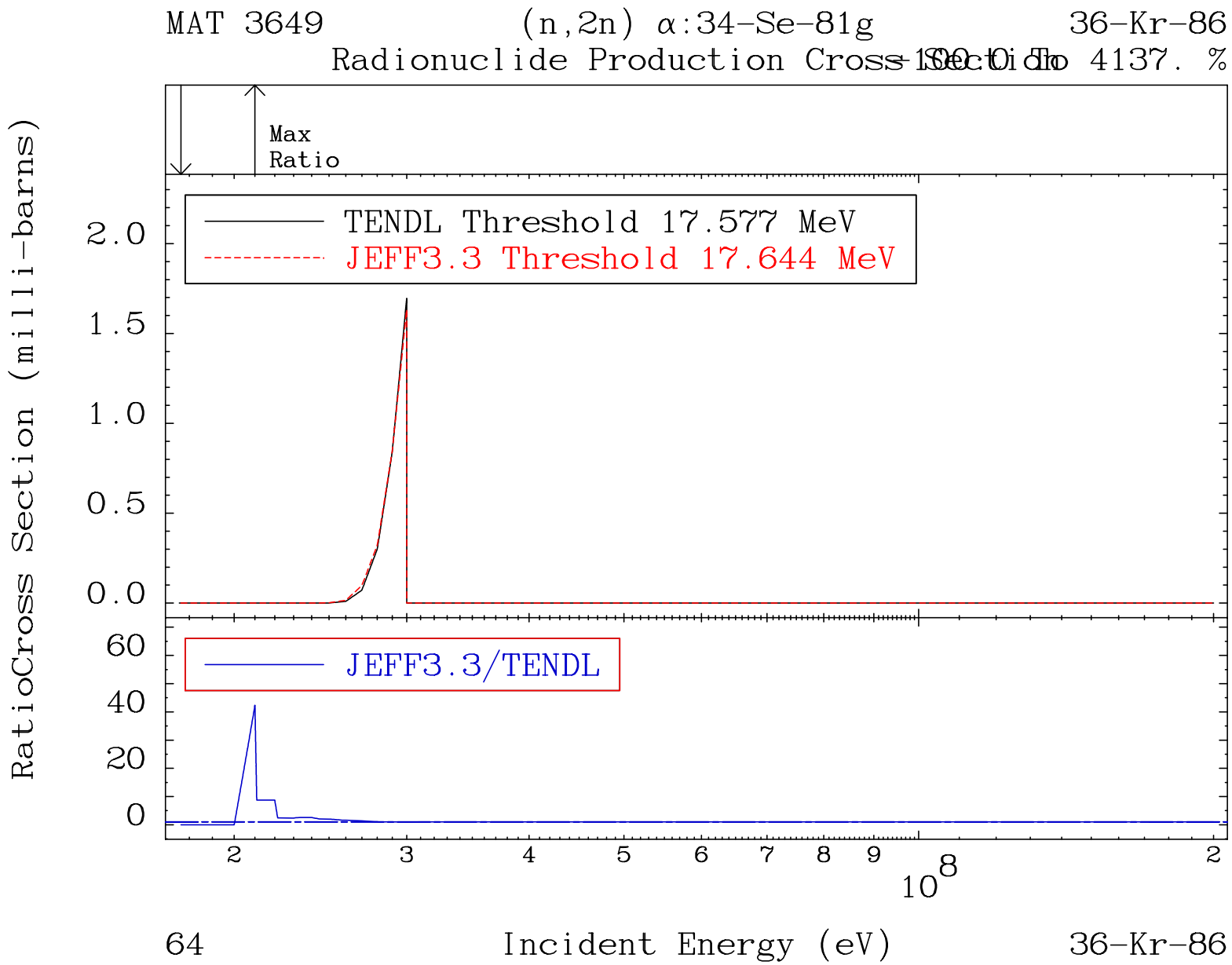

MAT 3649
Dpa elastic (mt2)
Cross Section
36-Kr-86
-91.66 To 3404. %
Min Ratio
Max Ratio
TENDL Threshold 531.25 eV
JEFF3.3 Threshold 531.25 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
36-Kr-86

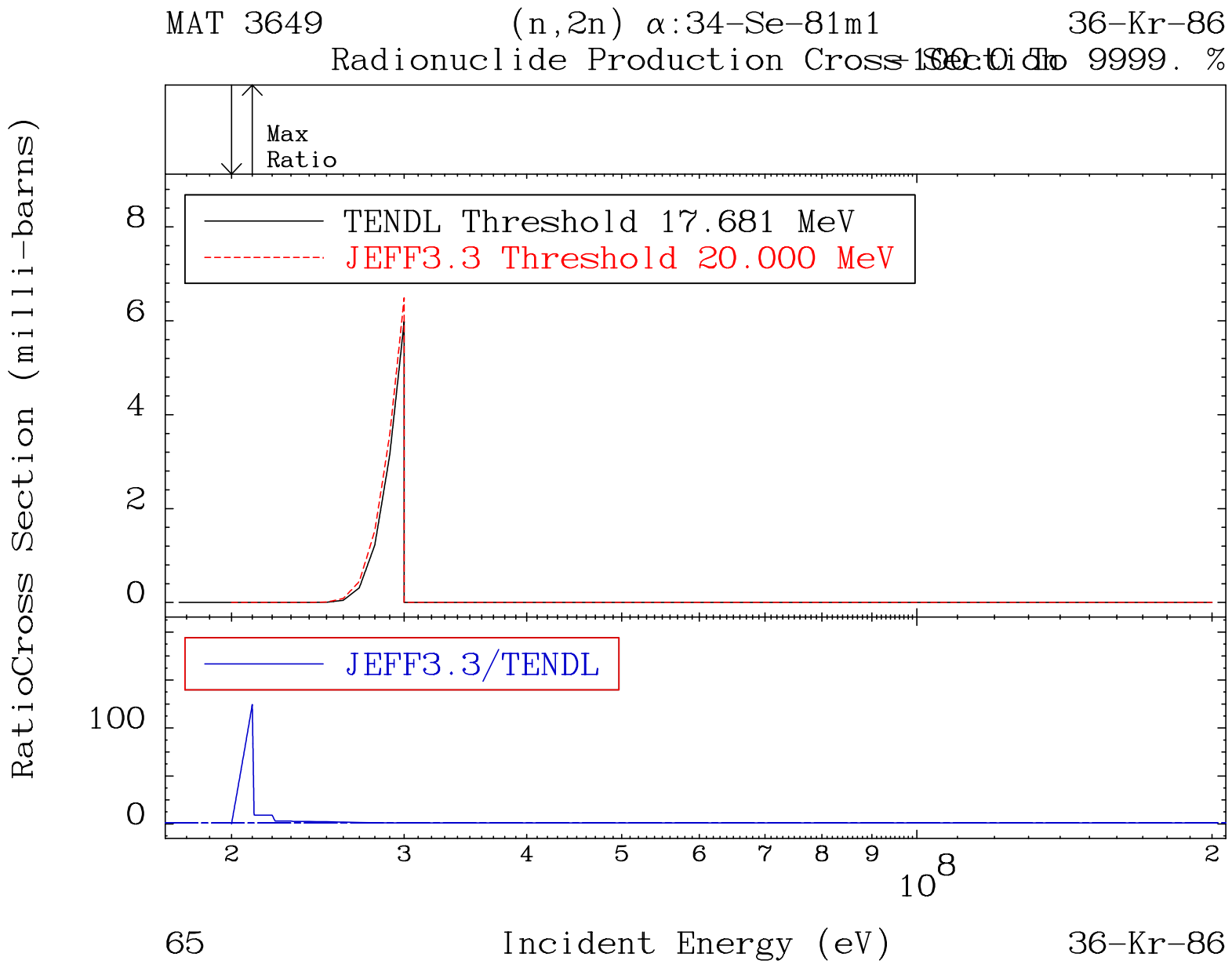

MAT 3649
Dpa inelastic (mt51-91)
36-Kr-86
Cross Section -100.0 To 33.19 %
Max
Ratio
TENDL Threshold 1.5830 MeV
JEFF3.3 Threshold 1.5830 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
36-Kr-86

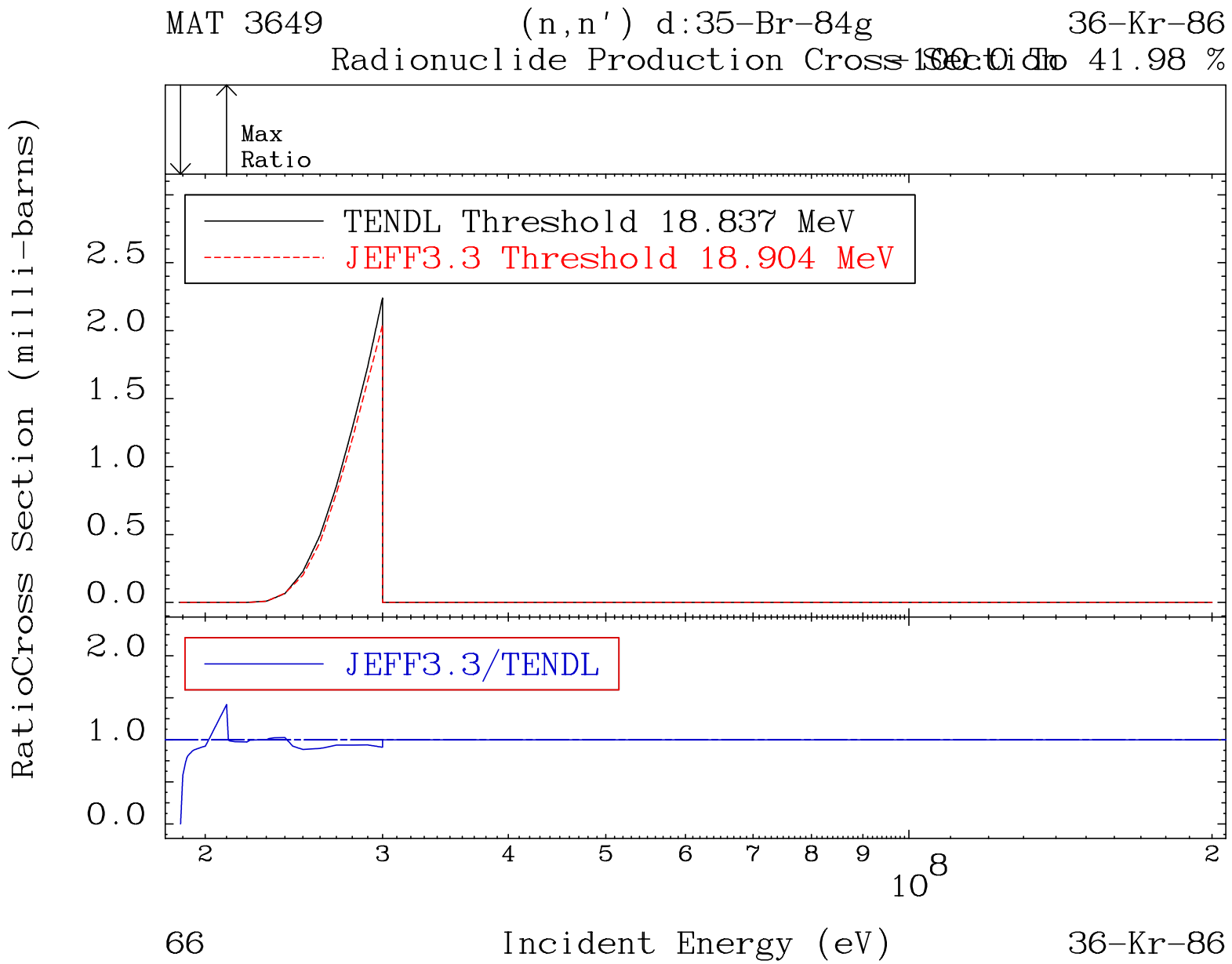

MAT 3649 Dpa disappearance (mt102 -120) 36-Kr-86
Cross Section -100.0 To 883.9 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
36-Kr-86

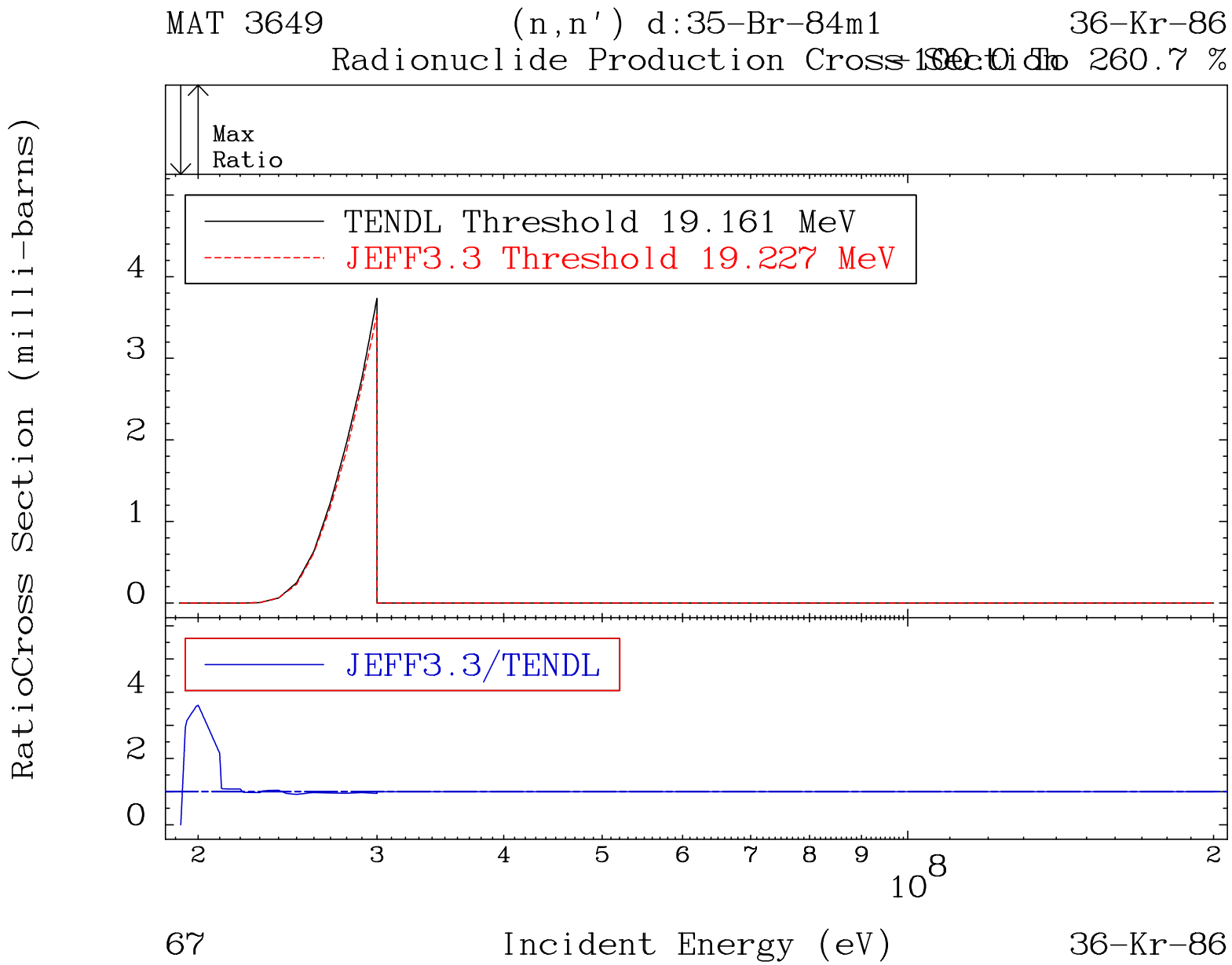

MAT 3649
(n,2n):36-Kr-85g
36-Kr-86
Radionuclide Production Cross Section To 18.67 %
Max
Ratio
TENDL Threshold 9.9724 MeV
JEFF3.3 Threshold 10.039 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
62
Incident Energy (eV)
36-Kr-86

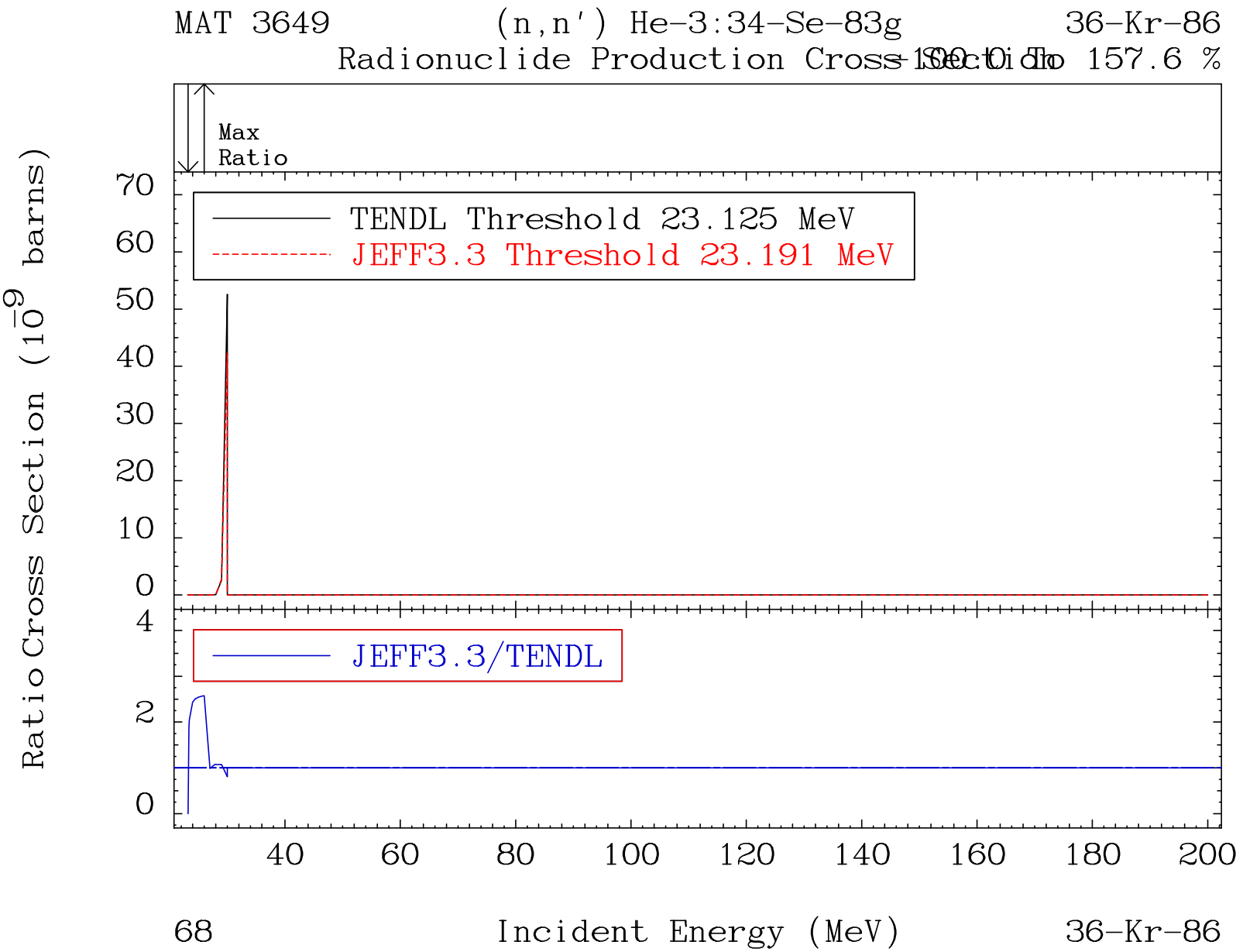

MAT 3649
(n,2n):36-Kr-85m1
36-Kr-86
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 10.281 MeV
JEFF3.3 Threshold 10.347 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
63
Incident Energy (eV)
36-Kr-86

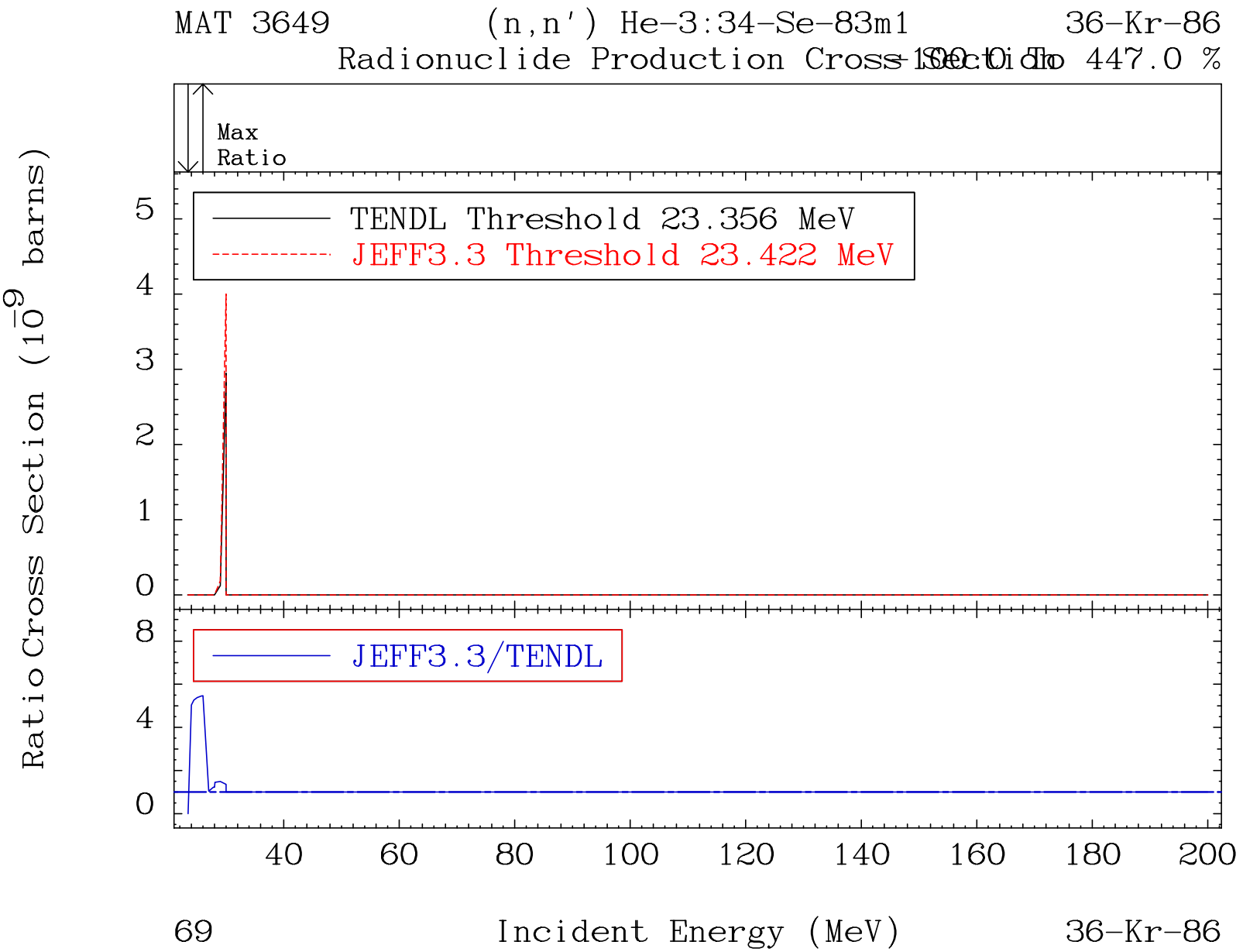

MAT 3649
(n,2n) α:34-Se-81g
36-Kr-86
Radionuclide Production Cross Section To 4137. %
Max
Ratio
TENDL Threshold 17.577 MeV
JEFF3.3 Threshold 17.644 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
60
40
20
0
2
3
4
5
6
7
8
9
2
10^8
64
Incident Energy (eV)
36-Kr-86

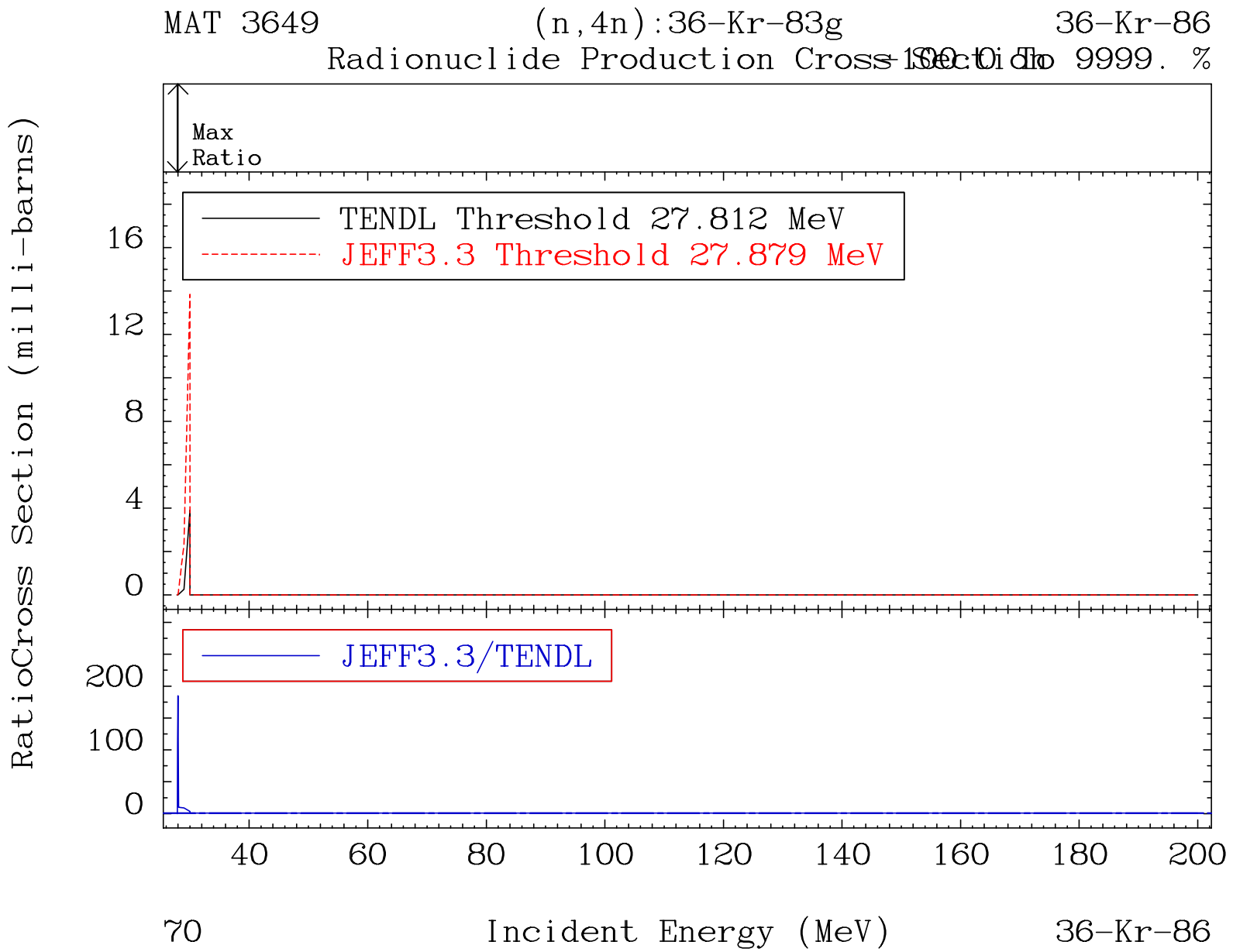

MAT 3649
(n,2n) α:34-Se-81m1
36-Kr-86
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 17.681 MeV
JEFF3.3 Threshold 20.000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
8
6
4
2
0
100
0
2
3
4
5
6
7
8
9
10^8
2
65
Incident Energy (eV)
36-Kr-86

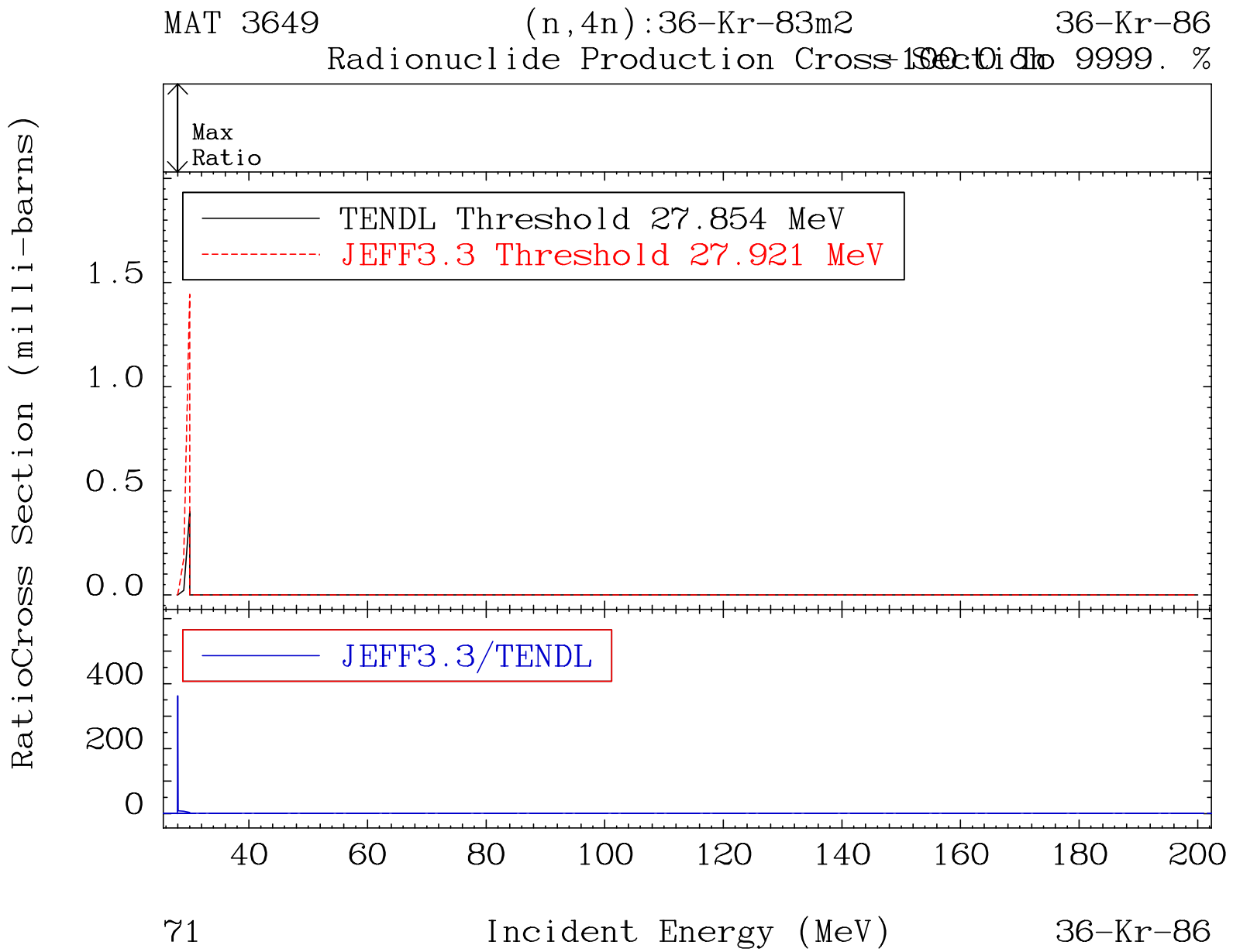

MAT 3649
(n,n') d:35-Br-84g
36-Kr-86
Radionuclide Production Cross Section To 41.98 %
Max
Ratio
TENDL Threshold 18.837 MeV
JEFF3.3 Threshold 18.904 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
66
Incident Energy (eV)
36-Kr-86

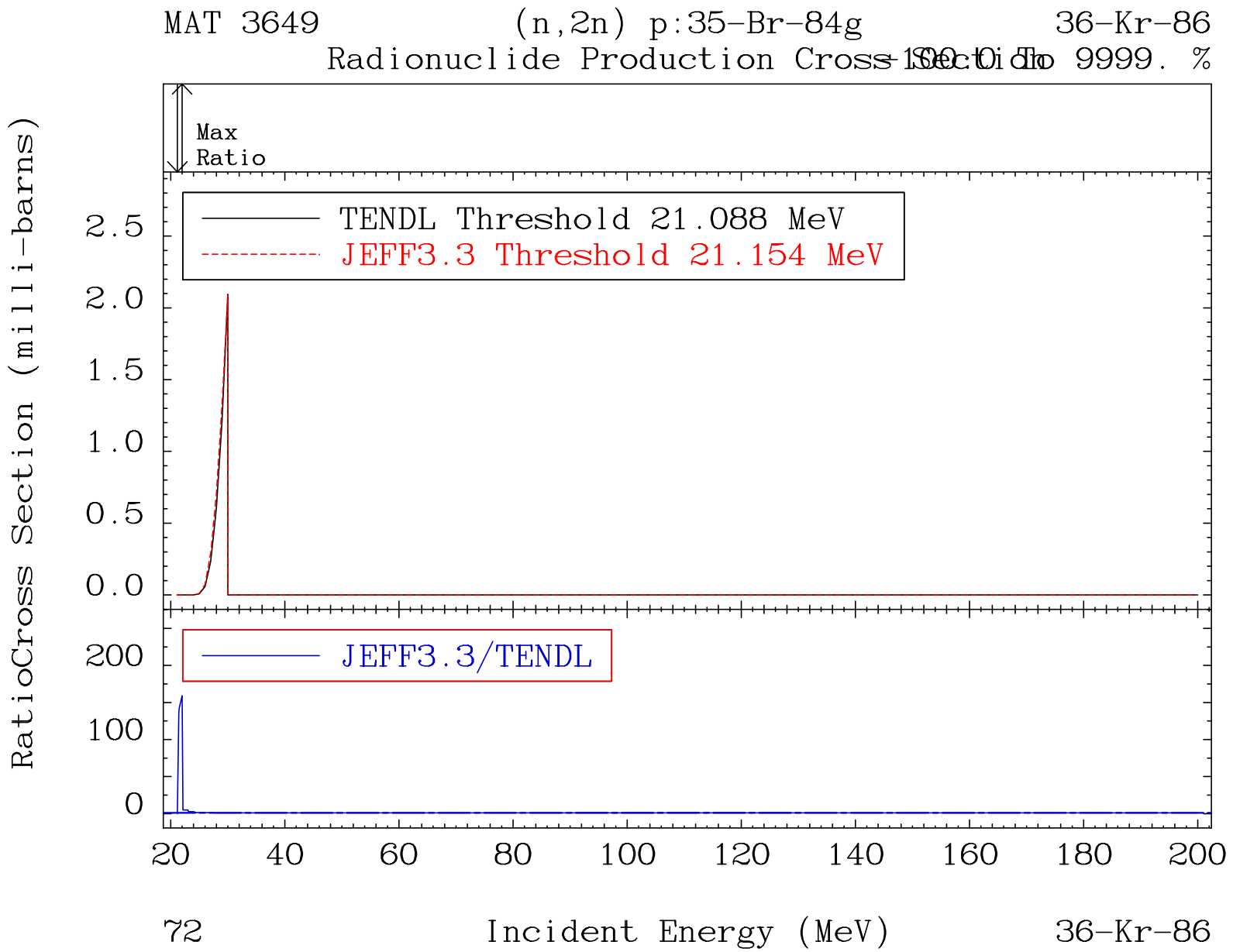

MAT 3649
(n,n') d:35-Br-84m1
36-Kr-86
Radionuclide Production Cross Section To 260.7 %
Max
Ratio
TENDL Threshold 19.161 MeV
JEFF3.3 Threshold 19.227 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
67
36-Kr-86

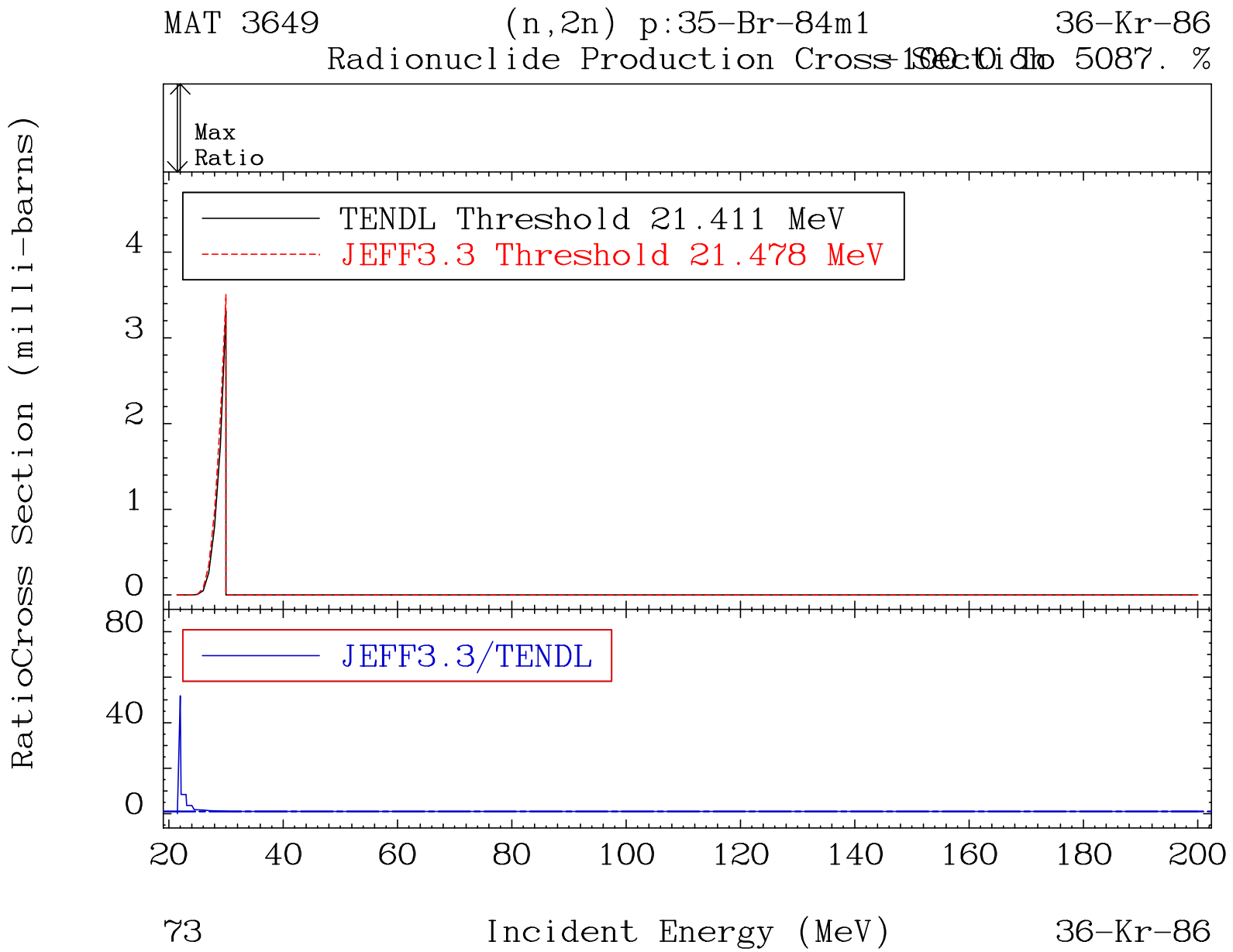

MAT 3649 (n,n') He-3:34-Se-83g 36-Kr-86
Radionuclide Production Cross Section Up To 157.6 %
Max
Ratio
TENDL Threshold 23.125 MeV
JEFF3.3 Threshold 23.191 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
Incident Energy (MeV)
68
36-Kr-86

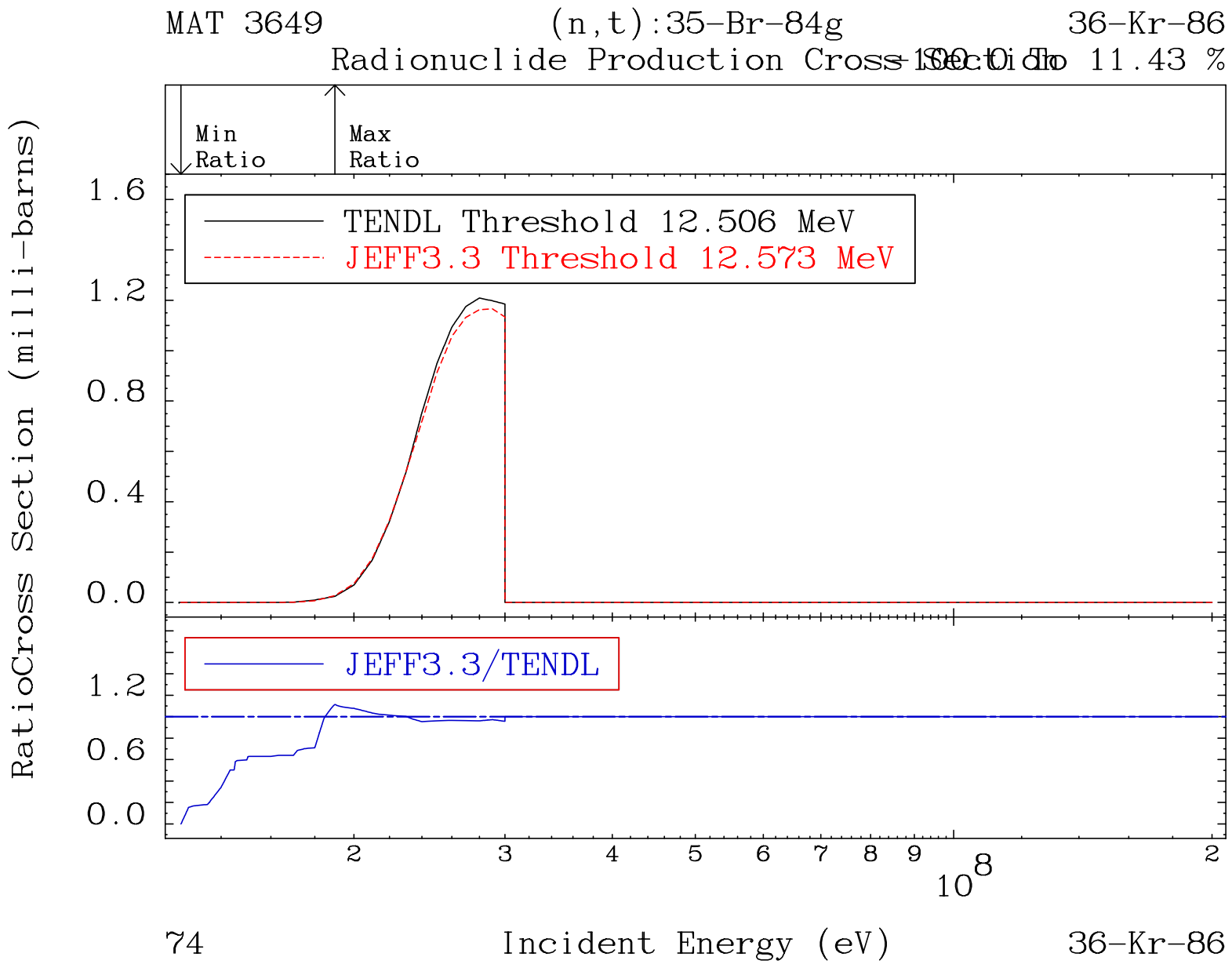

MAT 3649 (n,n') He-3:34-Se-83m1 36-Kr-86
Radionuclide Production Cross Section To 447.0 %
Max
Ratio
TENDL Threshold 23.356 MeV
JEFF3.3 Threshold 23.422 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
0
1
2
3
4
5
8
40
60
80
100
120
140
160
180
200
69
Incident Energy (MeV)
36-Kr-86

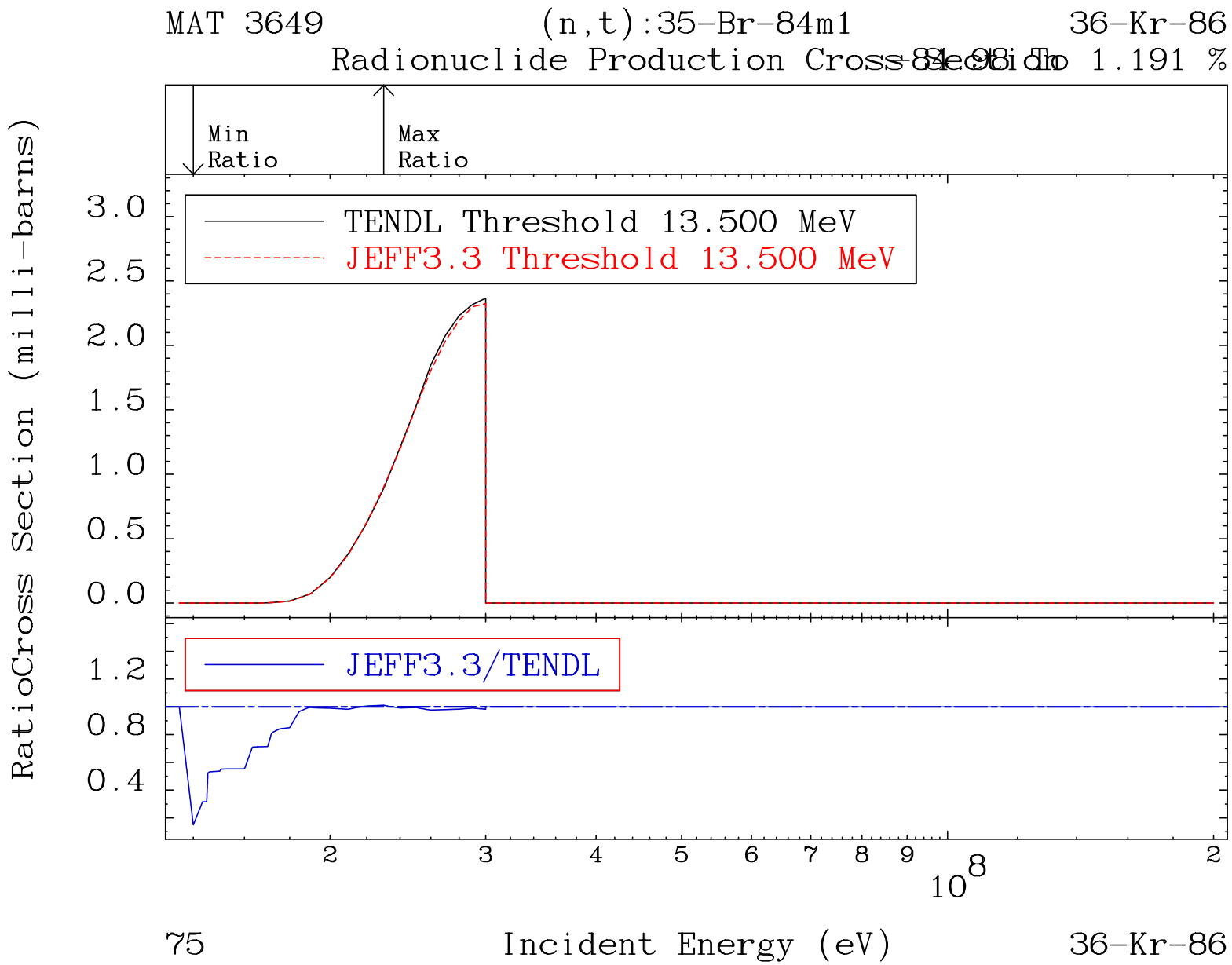

MAT 3649
(n,4n):36-Kr-83g
36-Kr-86
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 27.812 MeV
JEFF3.3 Threshold 27.879 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
200
100
0
40
60
80
100
120
140
160
180
200
70
Incident Energy (MeV)
36-Kr-86

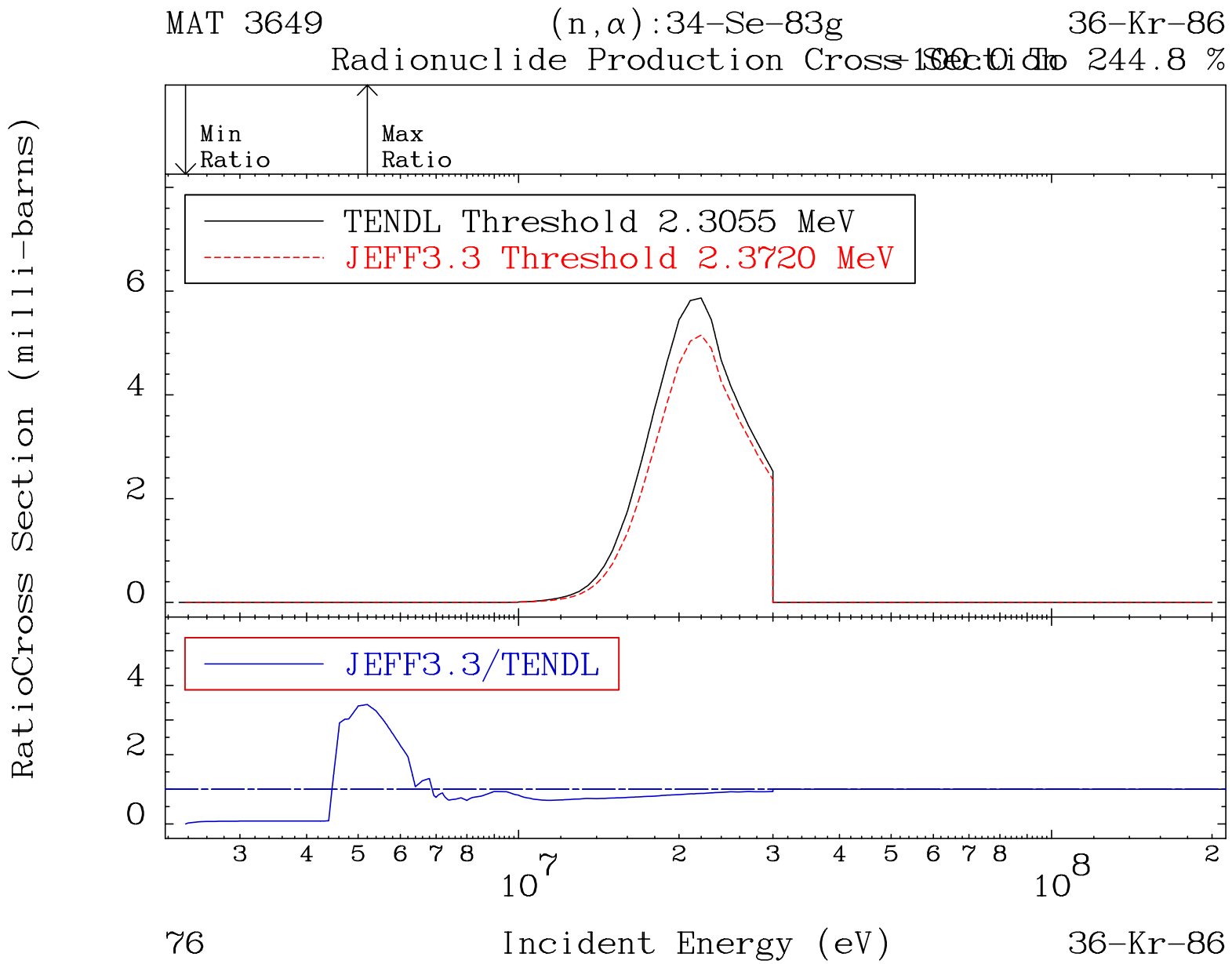

MAT 3649
(n,4n):36-Kr-83m2
36-Kr-86
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 27.854 MeV
JEFF3.3 Threshold 27.921 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.5
1.0
0.5
0.0
400
200
0
40
60
80
100
120
140
160
180
200
71
Incident Energy (MeV)
36-Kr-86

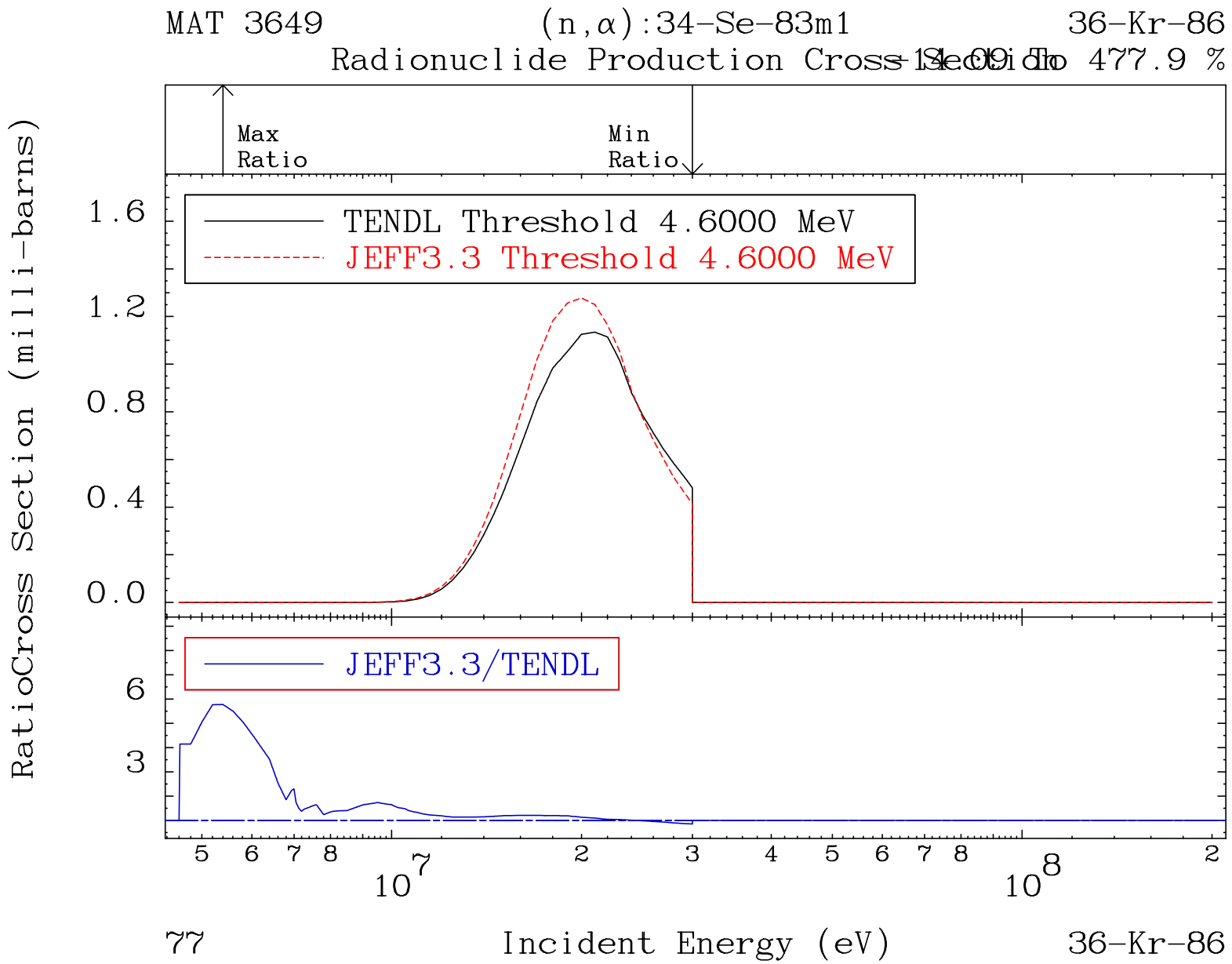

MAT 3649
(n,2n) p:35-Br-84g
36-Kr-86
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 21.088 MeV
JEFF3.3 Threshold 21.154 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
200
100
0
20
40
60
80
100
120
140
160
180
200
72
Incident Energy (MeV)
36-Kr-86

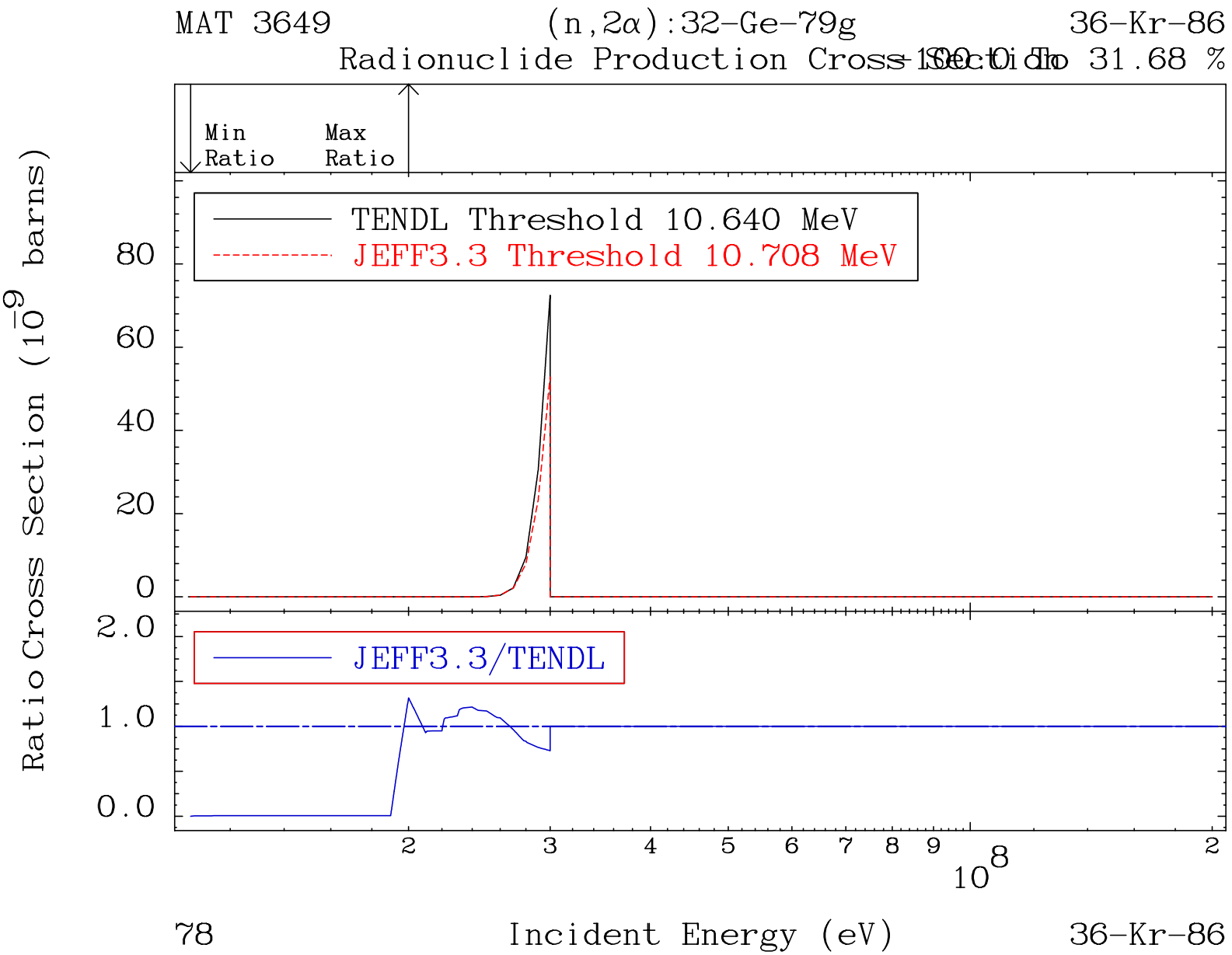

MAT 3649
(n,2n) p:35-Br-84m1
36-Kr-86
Radionuclide Production Cross Section To 5087. %
Max
Ratio
TENDL Threshold 21.411 MeV
JEFF3.3 Threshold 21.478 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
4
3
2
1
0
80
40
0
20
40
60
80
100
120
140
160
180
200
73
Incident Energy (MeV)
36-Kr-86

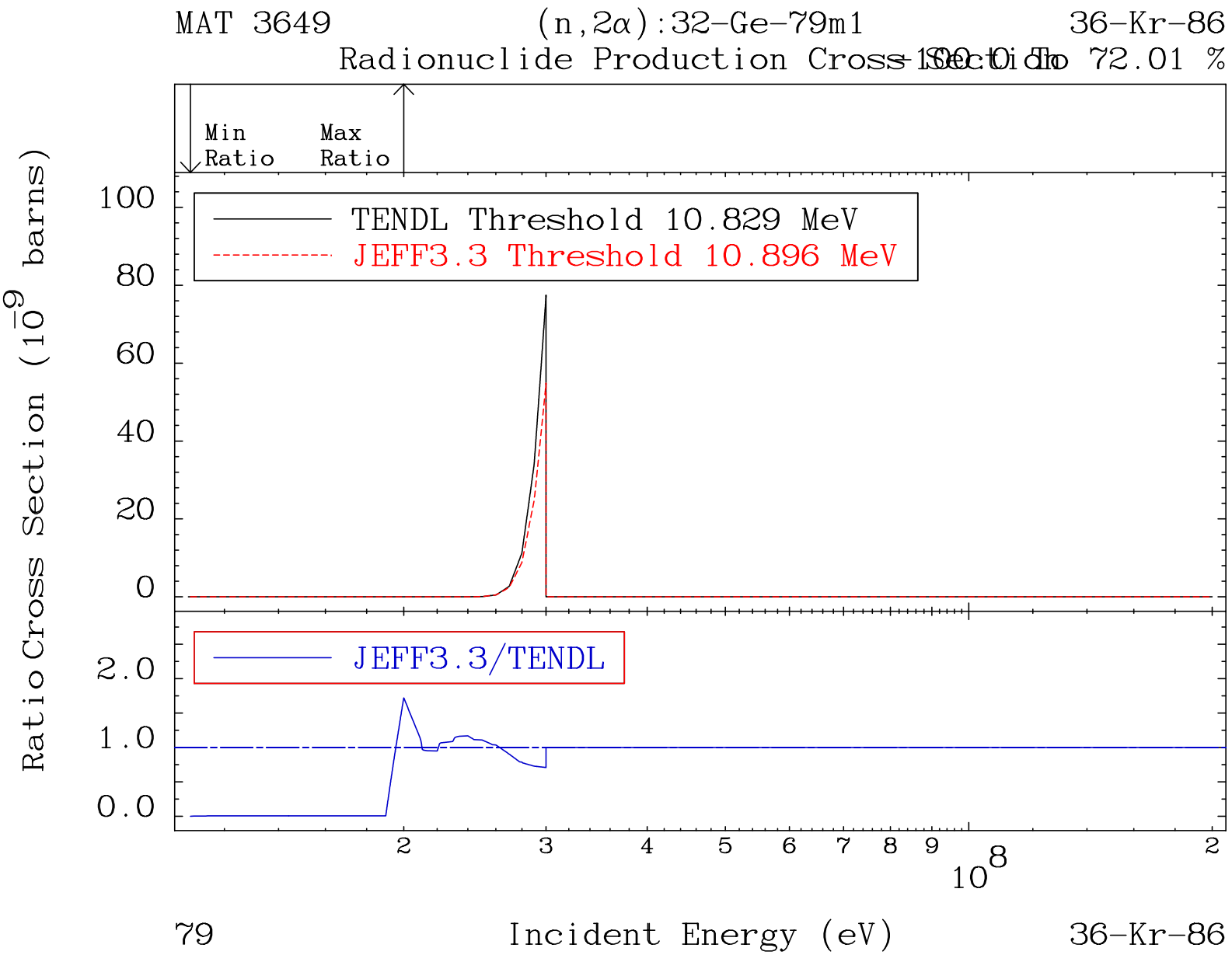

MAT 3649
(n,t):35-Br-84g
36-Kr-86
Radionuclide Production Cross Section To
Min Ratio
Max Ratio
TENDL Threshold 12.506 MeV
JEFF3.3 Threshold 12.573 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
2
10^8
74
Incident Energy (eV)
36-Kr-86

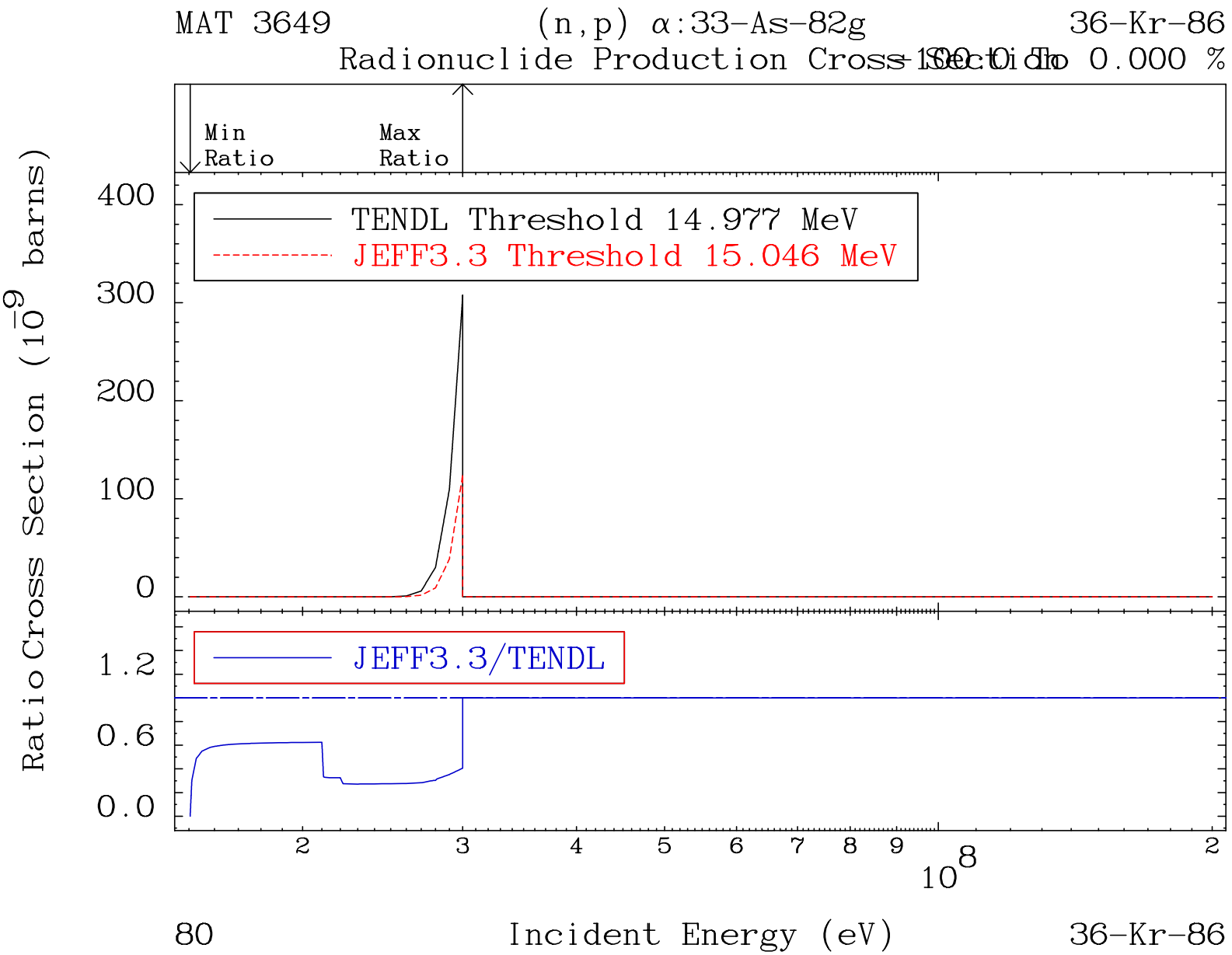

MAT 3649
(n,t):35-Br-84m1
36-Kr-86
Radionuclide Production Cross Section To 1.191 %
Min Ratio
Max Ratio
TENDL Threshold 13.500 MeV
JEFF3.3 Threshold 13.500 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.2
0.8
0.4
2
3
4
5
6
7
8
9
10^8
2
75
Incident Energy (eV)
36-Kr-86

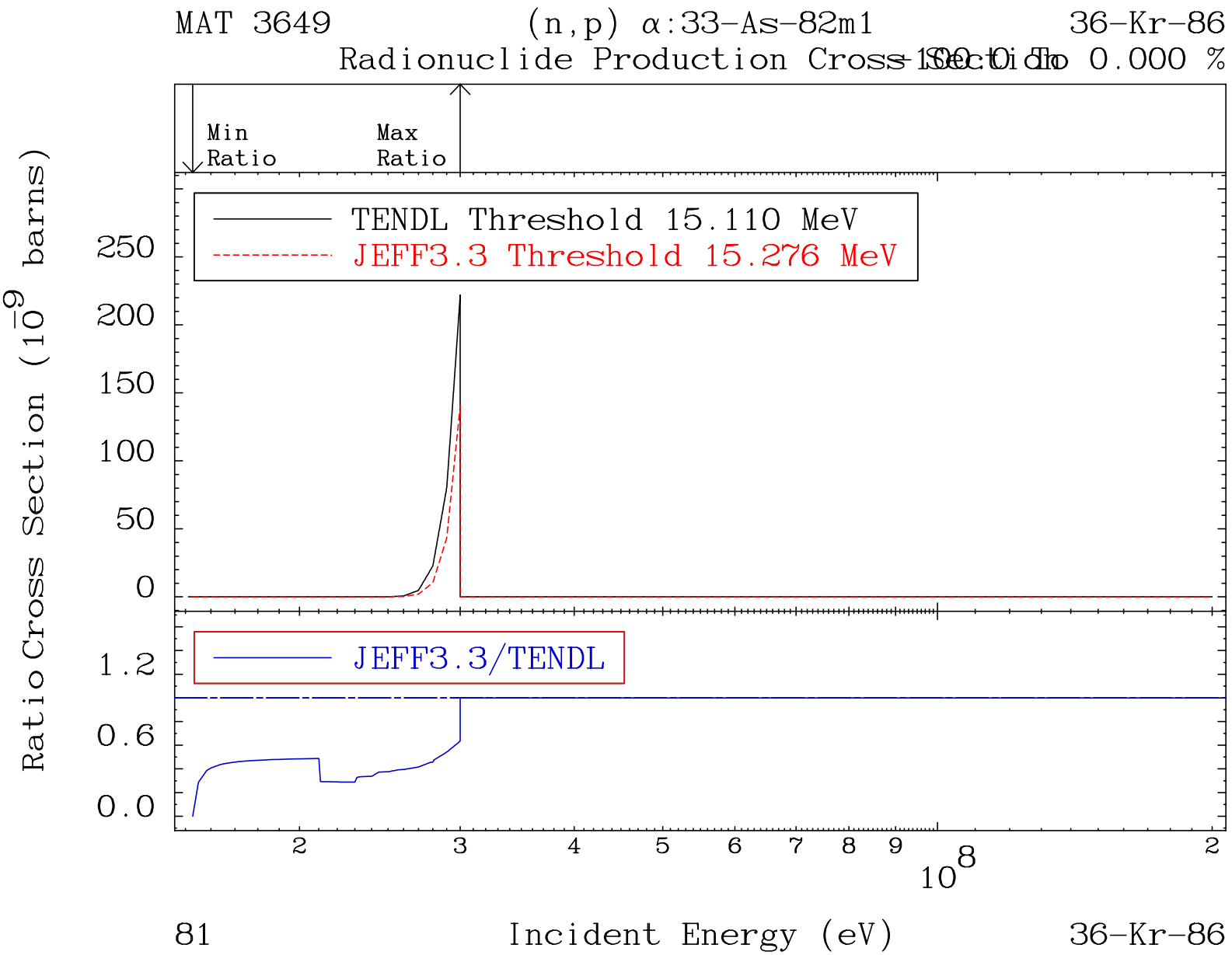

MAT 3649
(n,α):34-Se-83g
36-Kr-86
Radionuclide Production Cross Section To 244.8 %
Min Ratio
Max Ratio
TENDL Threshold 2.3055 MeV
JEFF3.3 Threshold 2.3720 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
76
36-Kr-86


MAT 3649
(n,α):34-Se-83m1
36-Kr-86
Radionuclide Production Cross Section To 477.9 %
Max Ratio
Min Ratio
TENDL Threshold 4.6000 MeV
JEFF3.3 Threshold 4.6000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
6
3
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
77
Incident Energy (eV)
36-Kr-86


MAT 3649
(n,2α):32-Ge-79g
36-Kr-86
Radionuclide Production Cross Section To 31.68 %
Min Ratio
Max Ratio
TENDL Threshold 10.640 MeV
JEFF3.3 Threshold 10.708 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
80
60
40
20
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
78
Incident Energy (eV)
36-Kr-86


MAT 3649
(n,2α):32-Ge-79m1
36-Kr-86
Radionuclide Production Cross Section To 72.01 %
Min Ratio
Max Ratio
TENDL Threshold 10.829 MeV
JEFF3.3 Threshold 10.896 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
100
80
60
40
20
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
79
Incident Energy (eV)
36-Kr-86


MAT 3649
(n,p) α:33-As-82g
36-Kr-86
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 14.977 MeV
JEFF3.3 Threshold 15.046 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
Incident Energy (eV)
80
36-Kr-86


MAT 3649
(n,p) α:33-As-82m1
36-Kr-86
Radionuclide Production Cross Section To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 15.110 MeV
JEFF3.3 Threshold 15.276 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
250
200
150
100
50
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
81
Incident Energy (eV)
36-Kr-86