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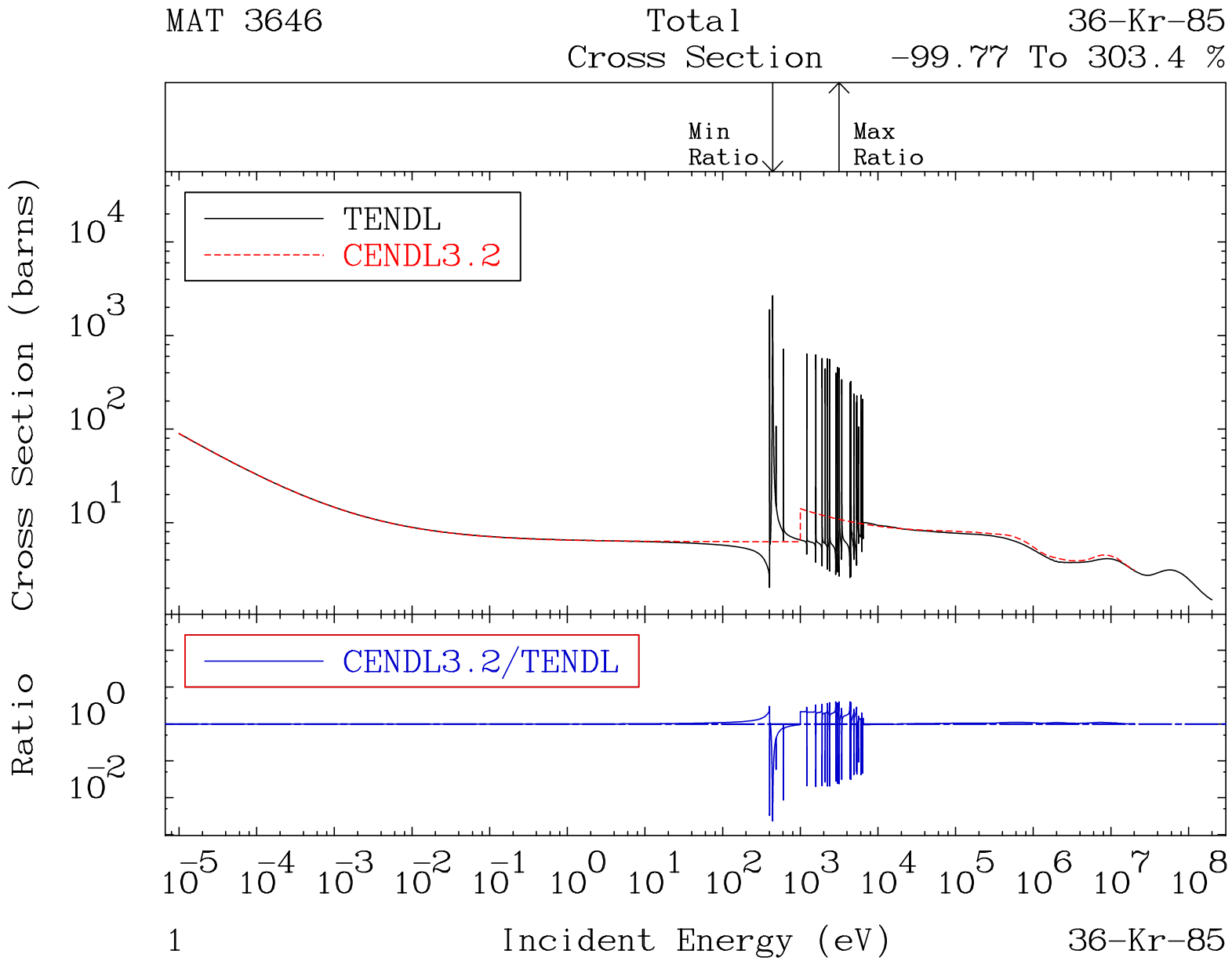
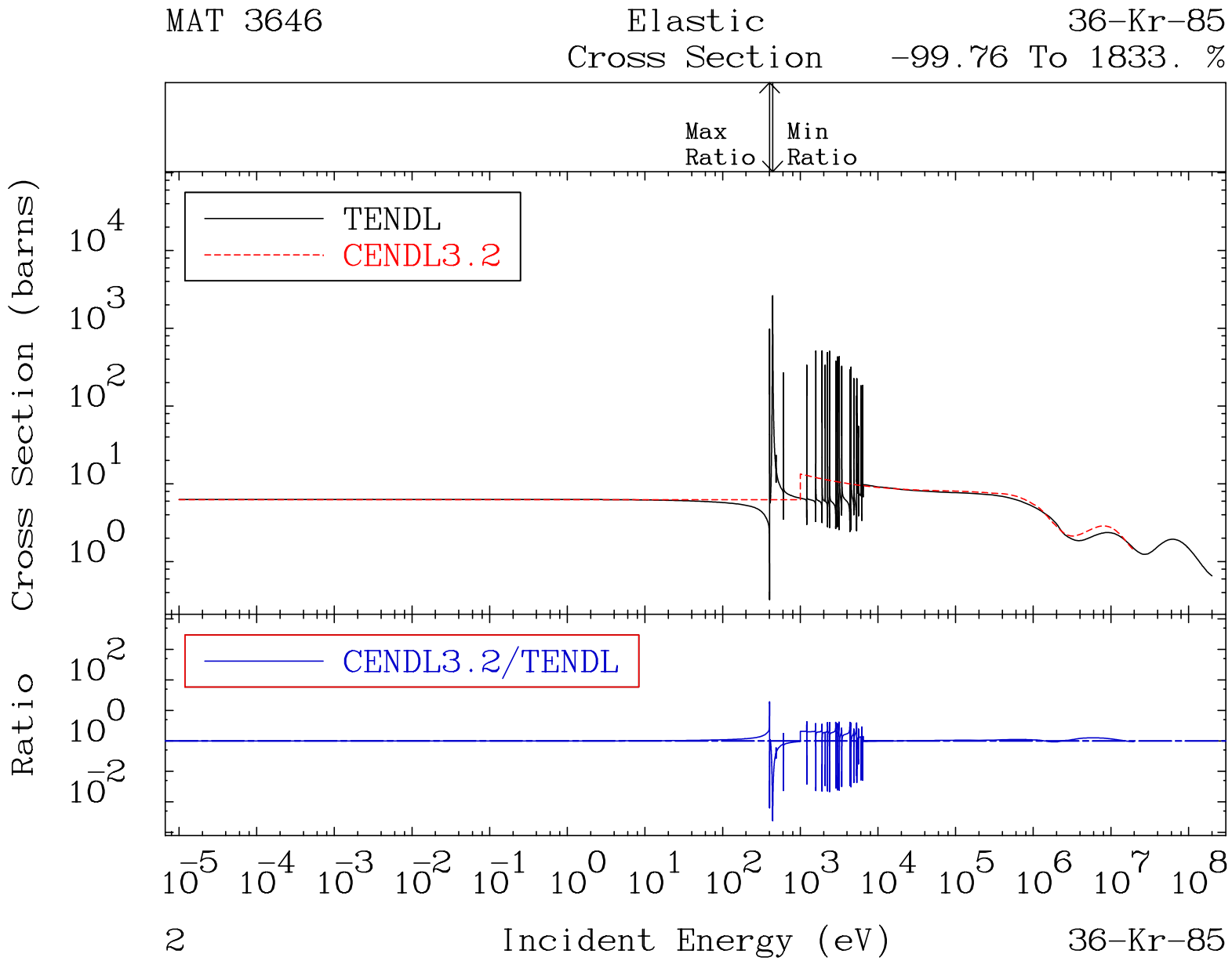
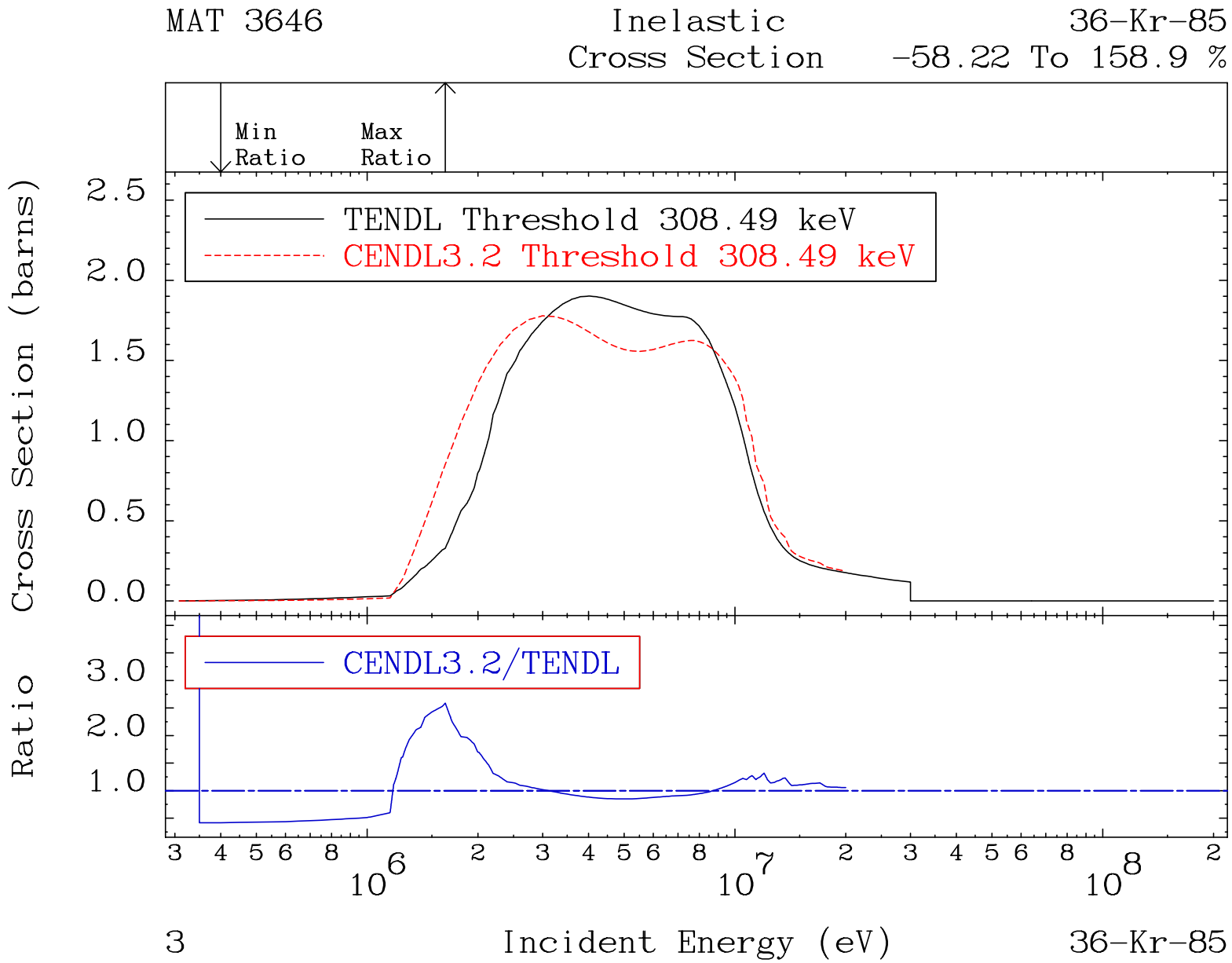
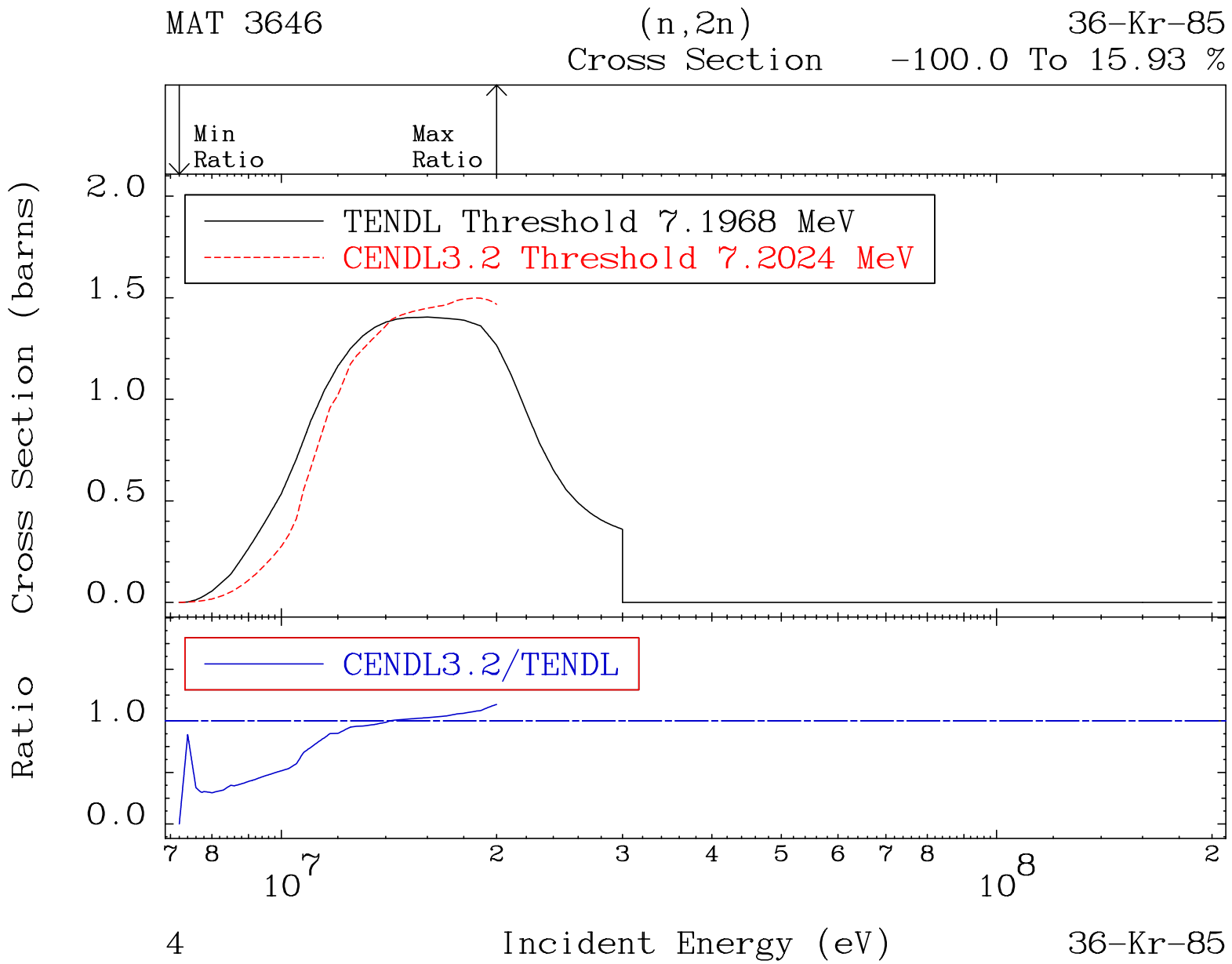
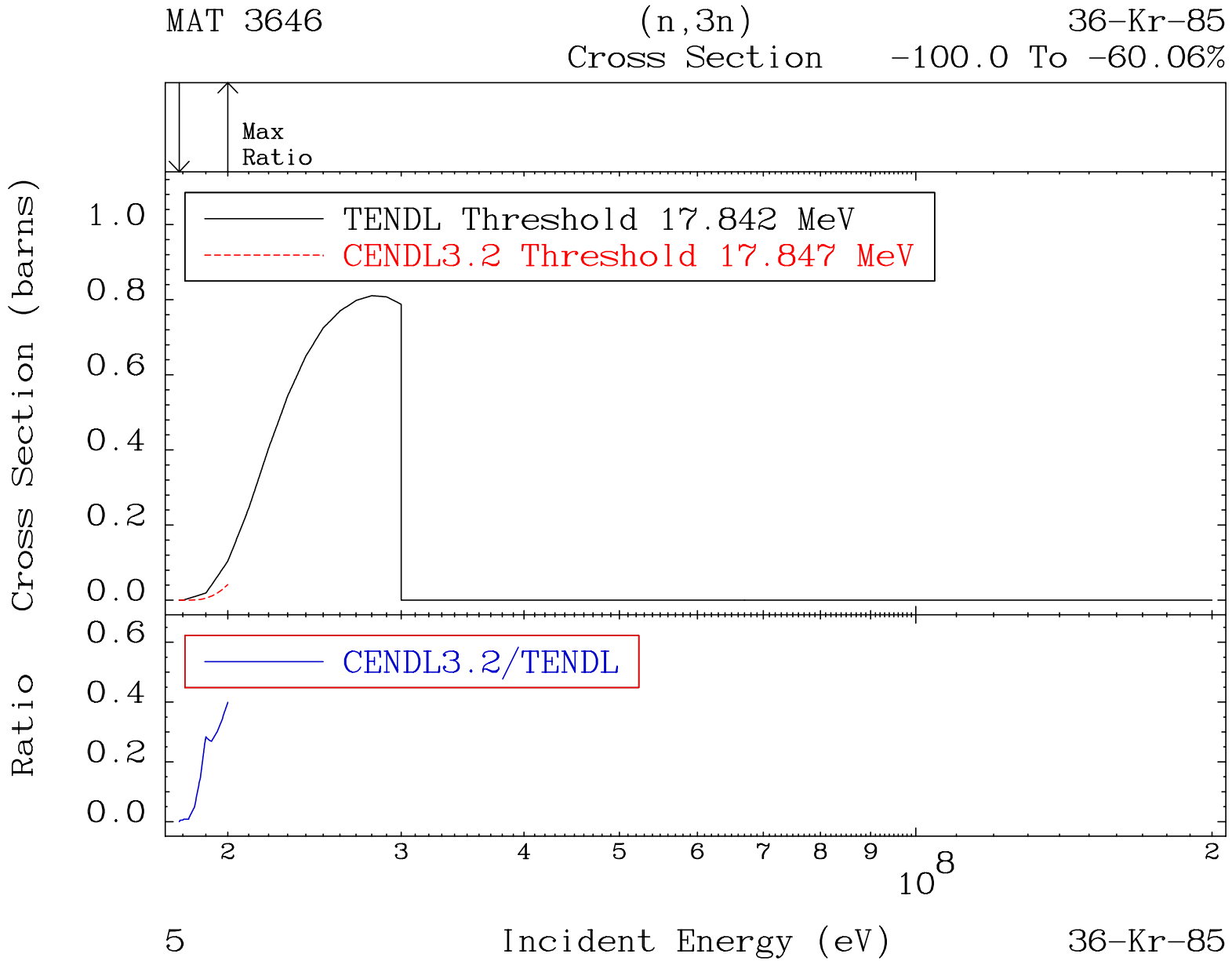
Press Mouse Button to Start

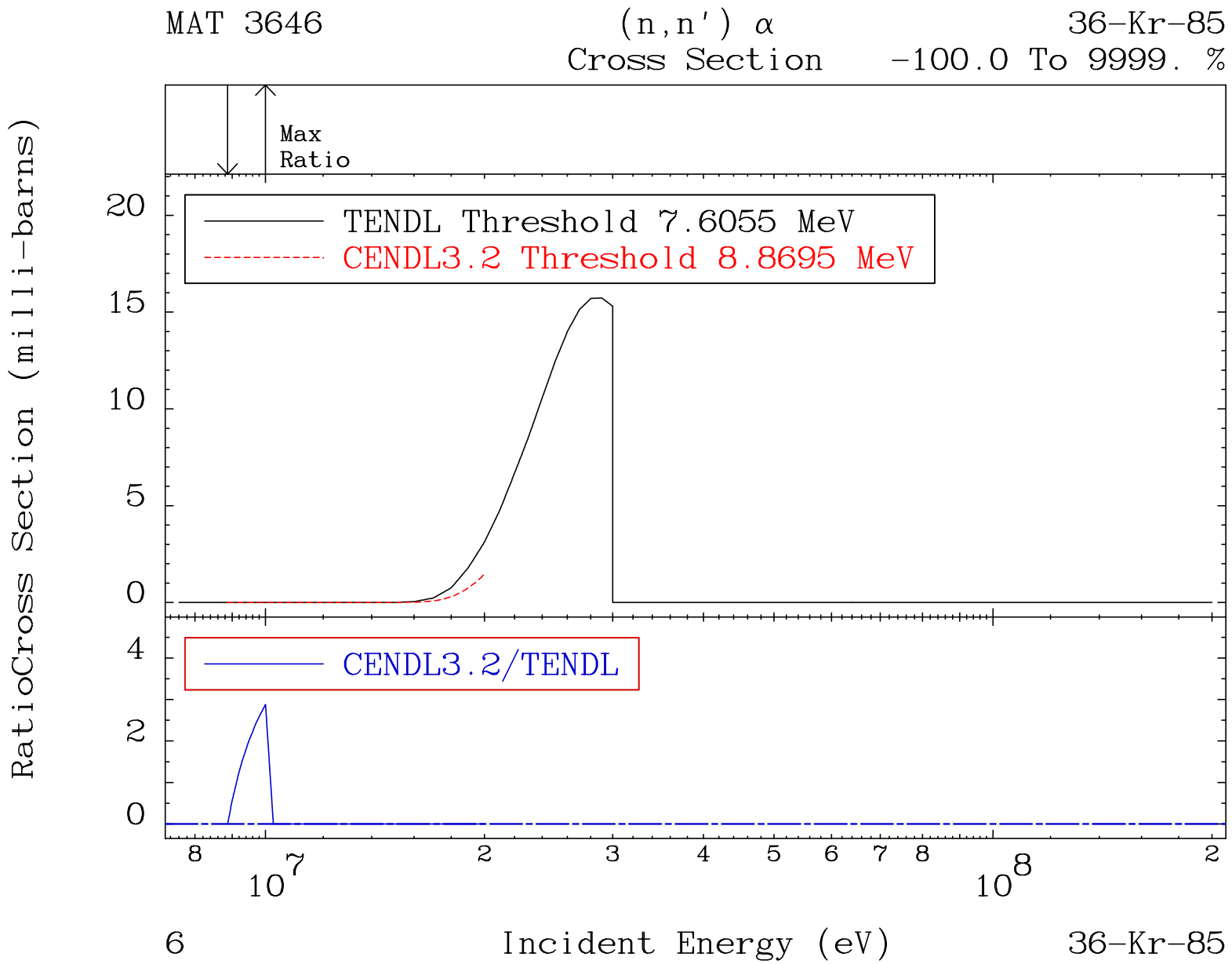

MAT 3646
Total
Cross Section
36-Kr-85
-99.77 To 303.4 %
Min
Ratio
Max
Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
36-Kr-85

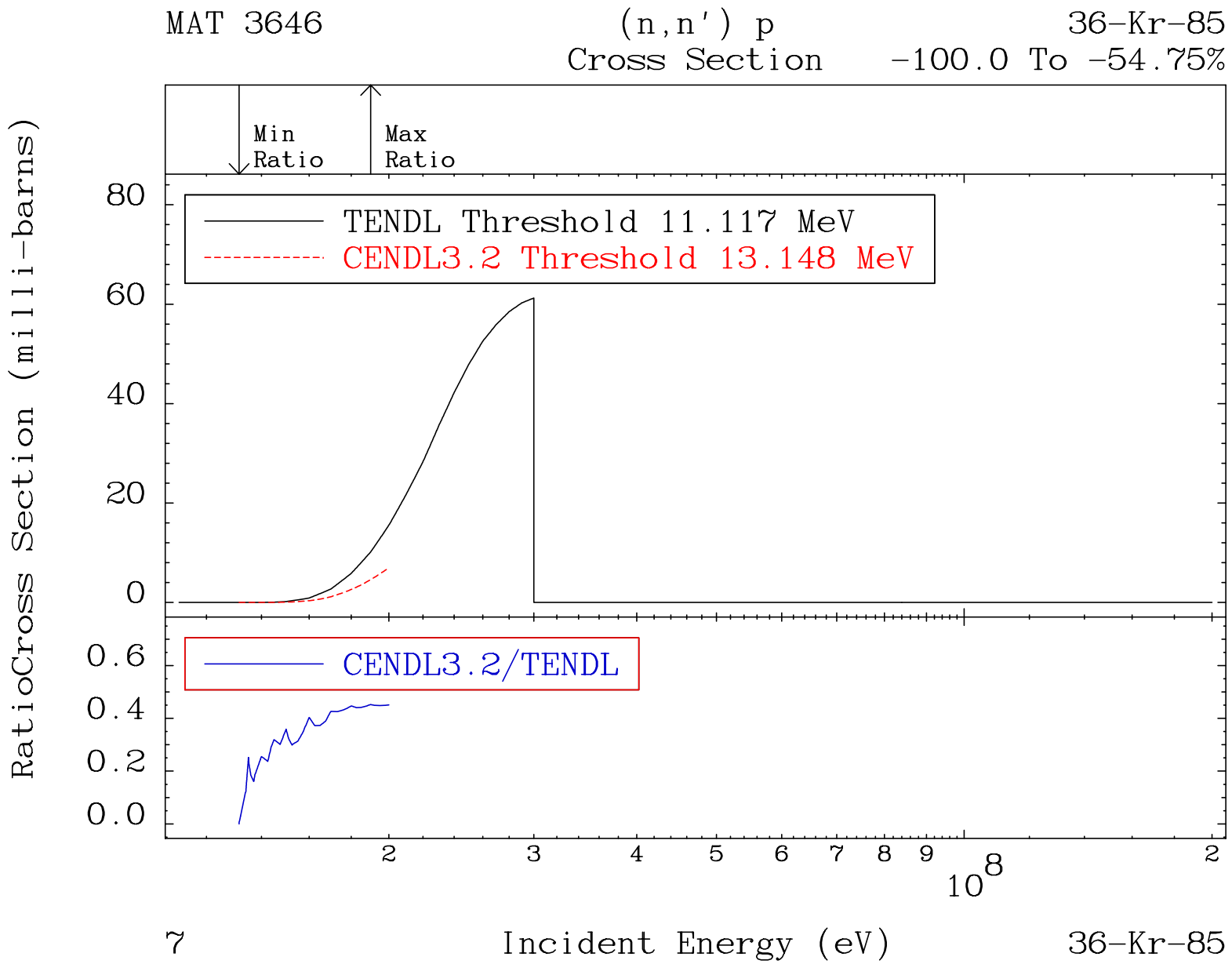

MAT 3646
Elastic
Cross Section
36-Kr-85
-99.76 To 1833. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
2
36-Kr-85

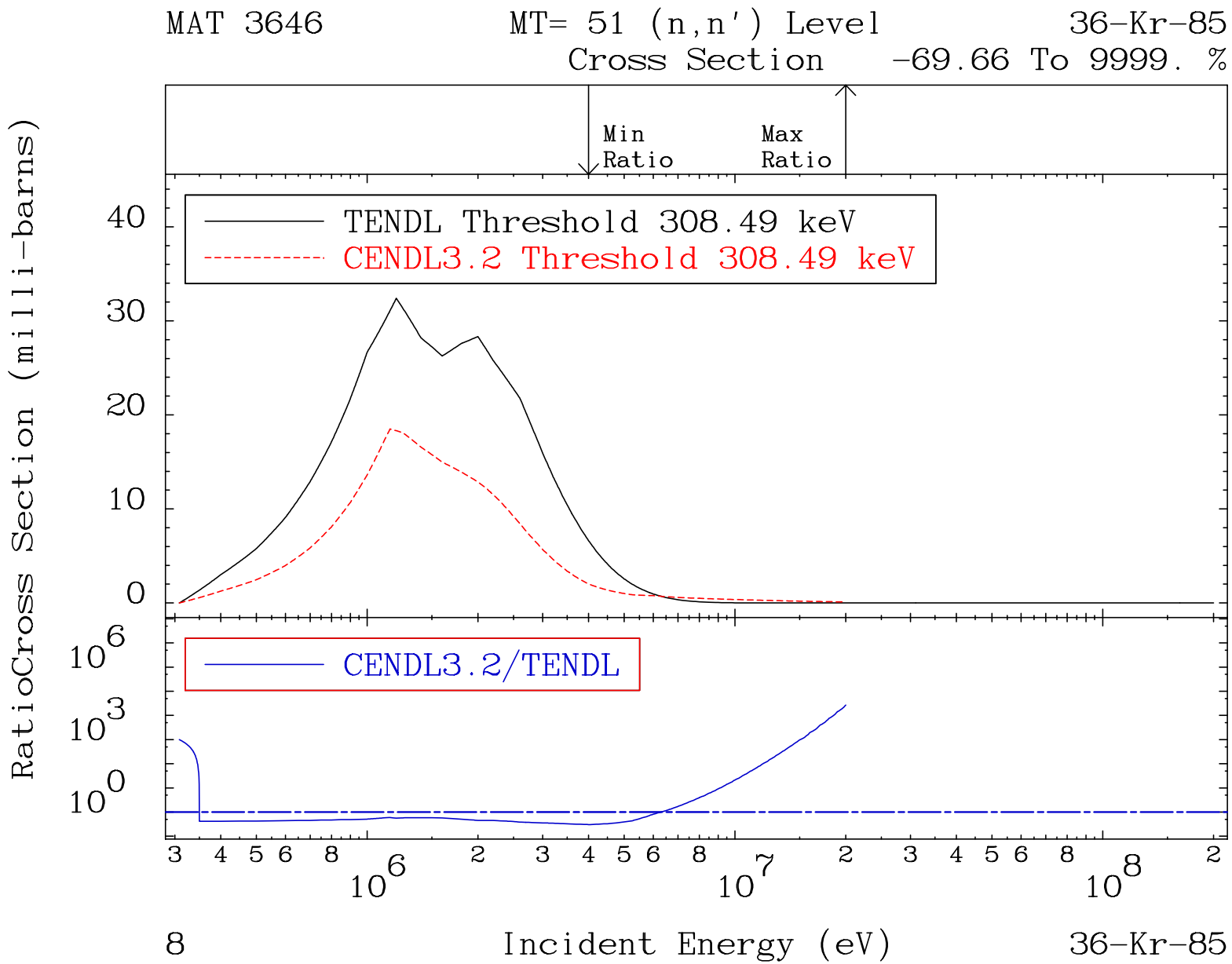

MAT 3646
Inelastic
Cross Section
36-Kr-85
-58.22 To 158.9 %
Min Ratio
Max Ratio
TENDL Threshold 308.49 keV
CENDL3.2 Threshold 308.49 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
36-Kr-85

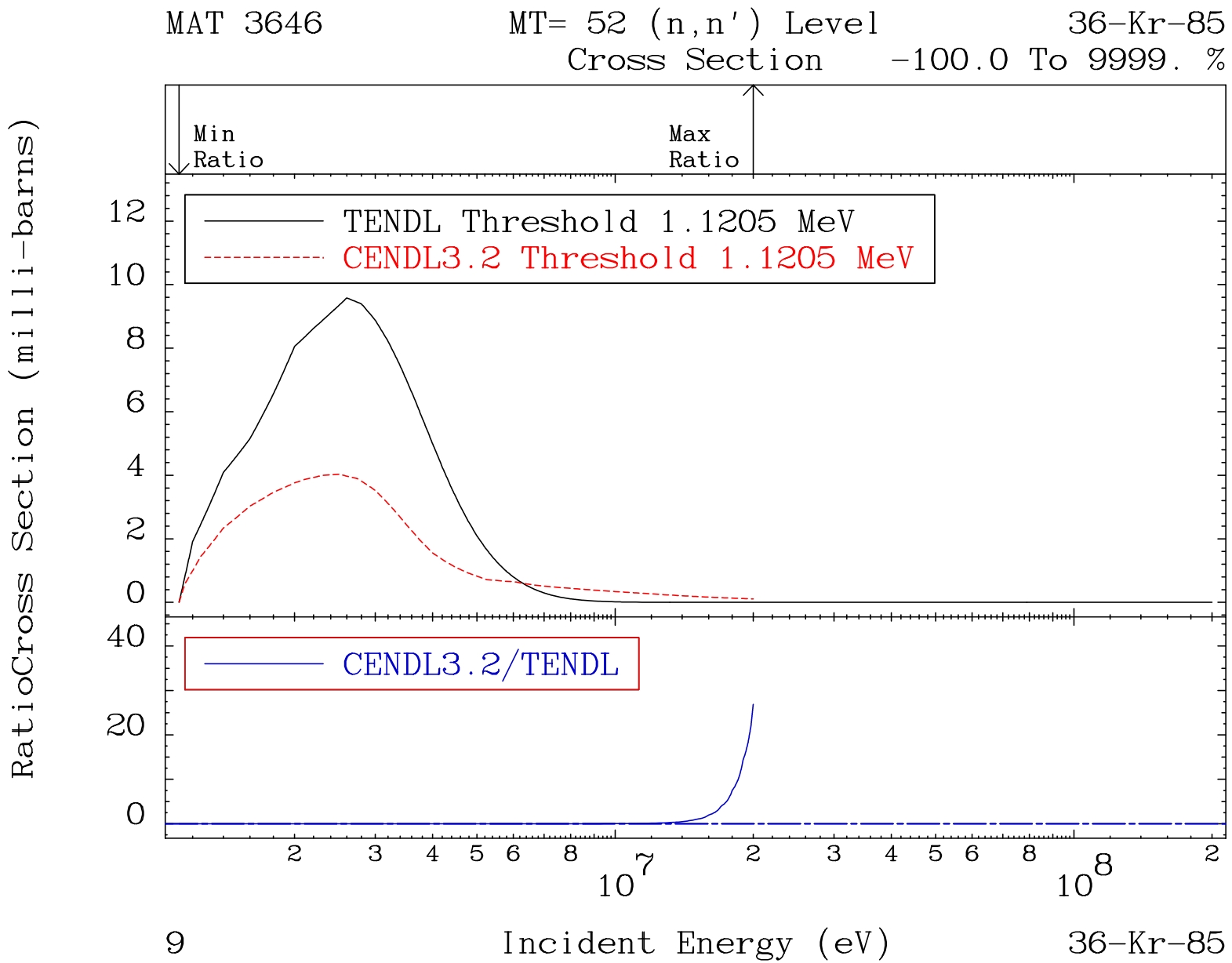

MAT 3646
(n,2n)
Cross Section
36-Kr-85
-100.0 To 15.93 %
Min Ratio
Max Ratio
TENDL Threshold 7.1968 MeV
CENDL3.2 Threshold 7.2024 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.0
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
4
36-Kr-85

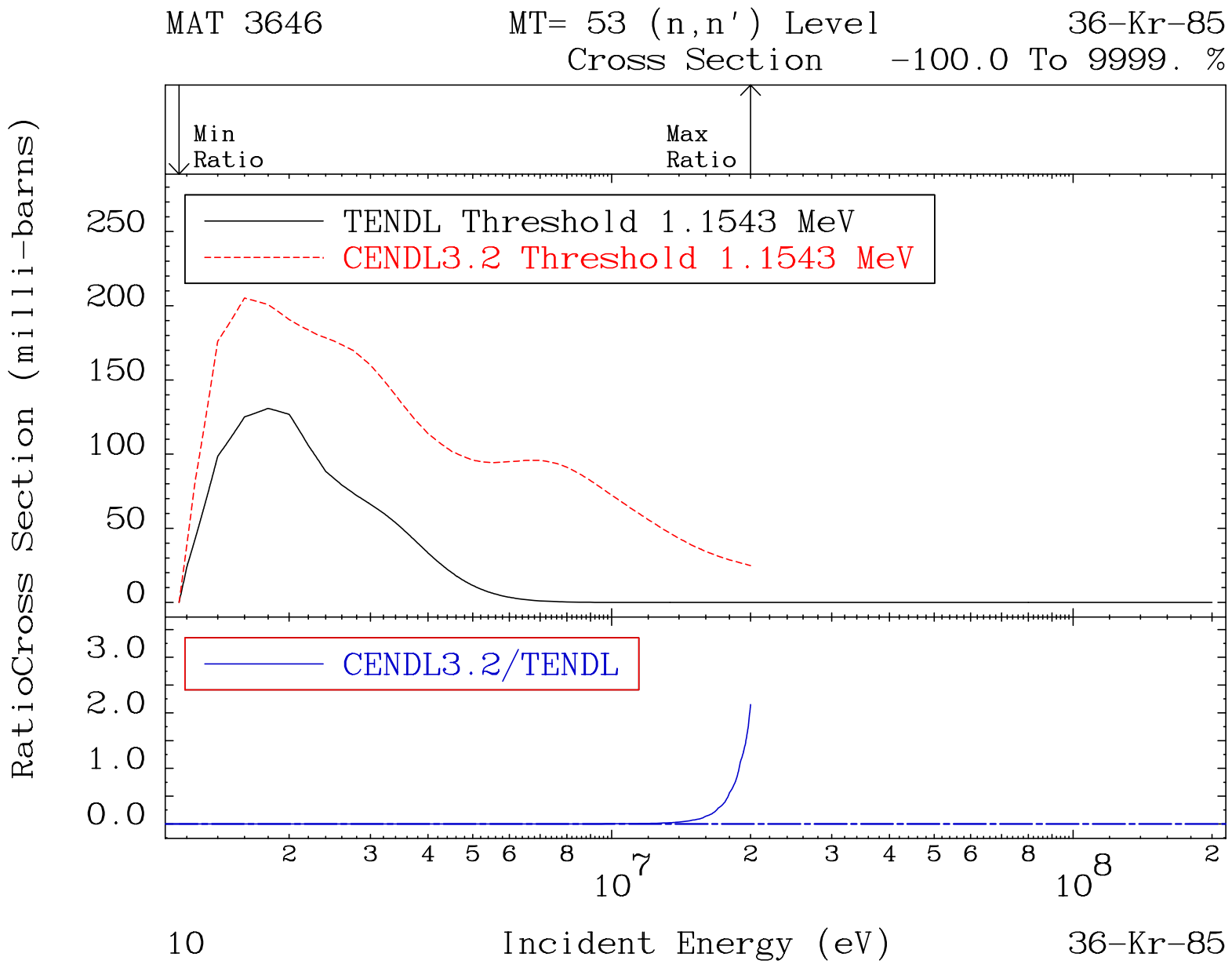

MAT 3646
(n,3n)
Cross Section
36-Kr-85
-100.0 To -60.06%
Max
Ratio
TENDL Threshold 17.842 MeV
CENDL3.2 Threshold 17.847 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
0.6
0.4
0.2
0.0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
36-Kr-85

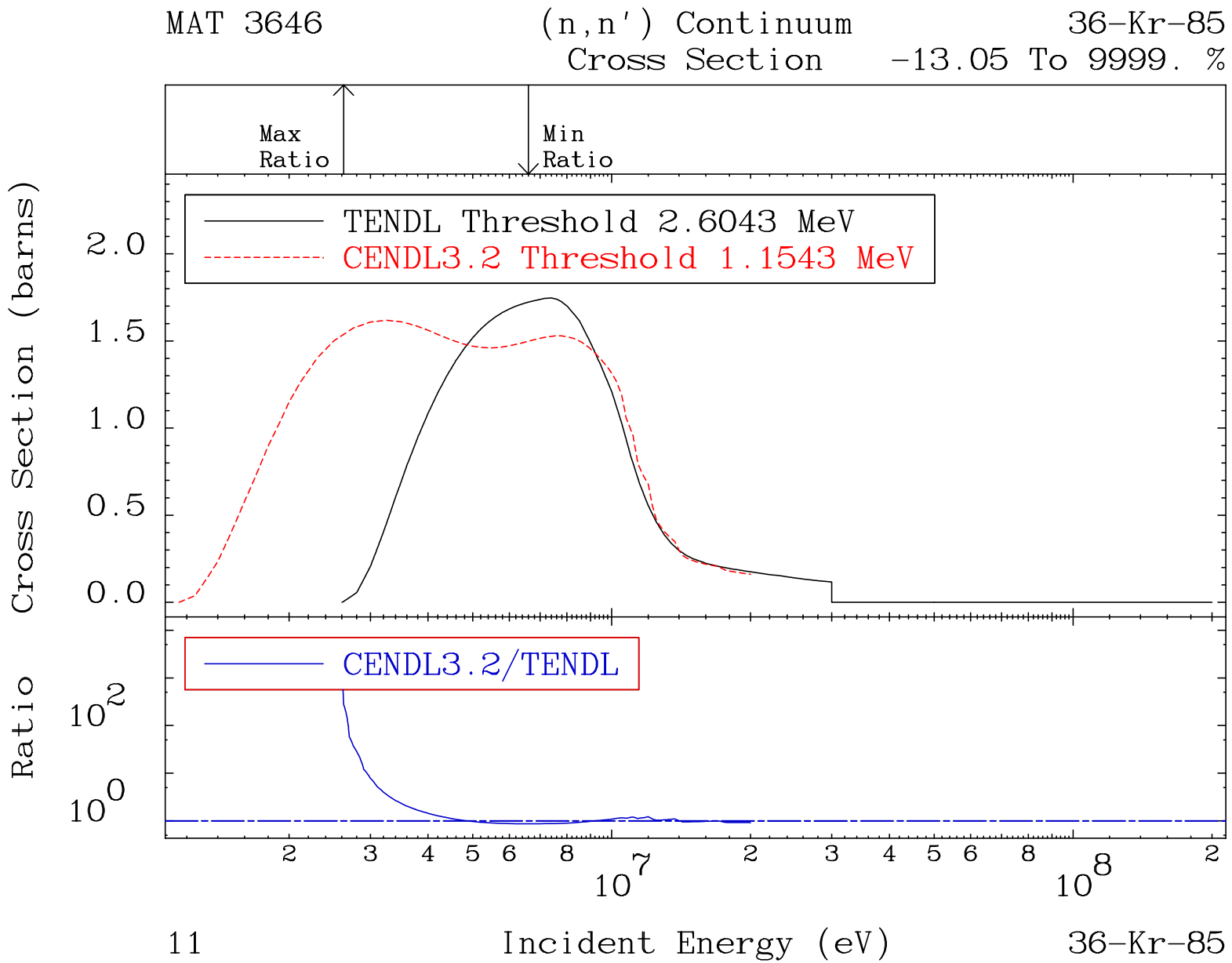

MAT 3646
(n,n') α
Cross Section
36-Kr-85
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 7.6055 MeV
CENDL3.2 Threshold 8.8695 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
4
2
0
8
2
3
4
5
6
7
8
2
10^7
10^8
6
Incident Energy (eV)
36-Kr-85

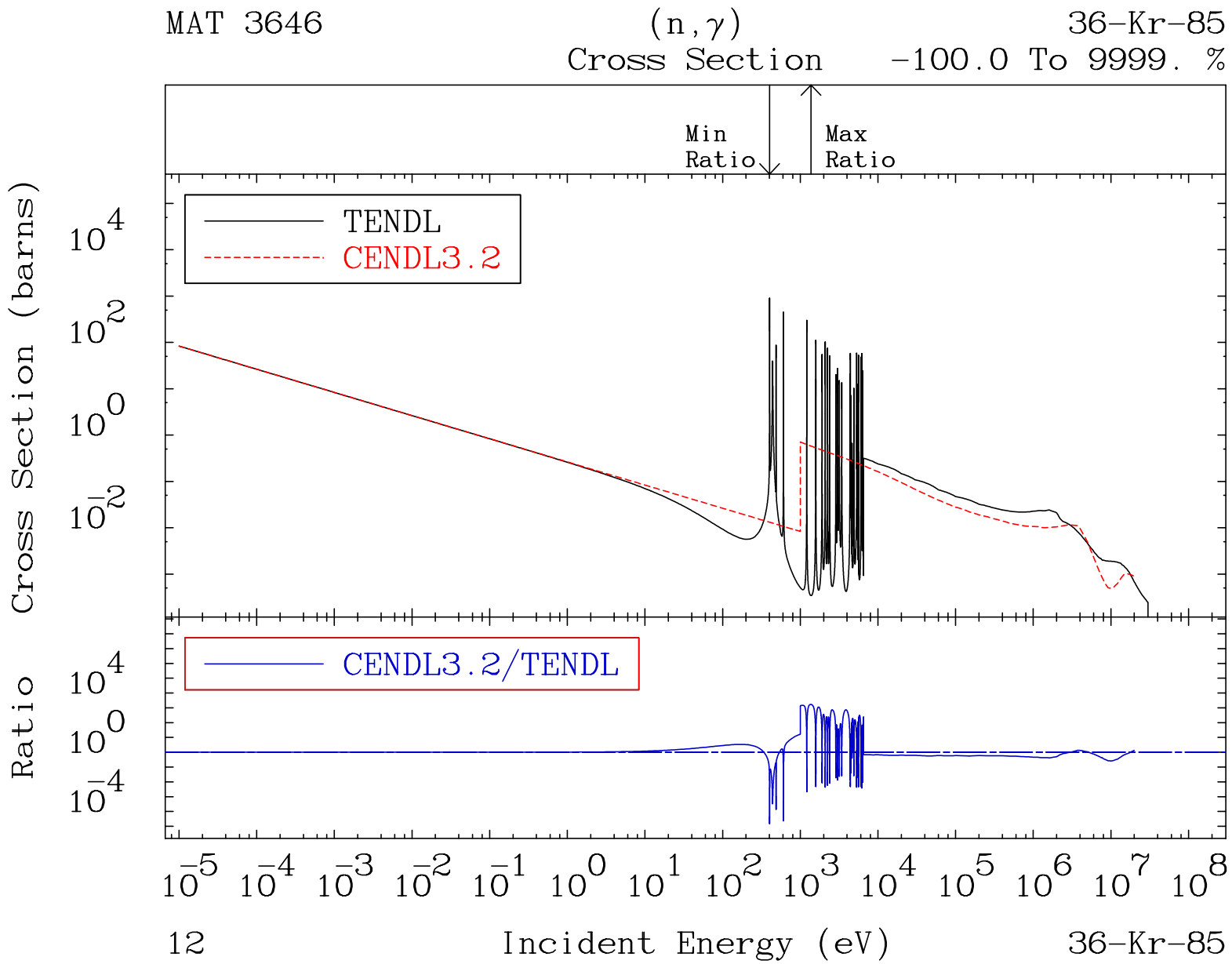

MAT 3646
(n,n') p
Cross Section
36-Kr-85
-100.0 To -54.75%
Min Ratio
Max Ratio
TENDL Threshold 11.117 MeV
CENDL3.2 Threshold 13.148 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
0.6
0.4
0.2
0.0
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
36-Kr-85

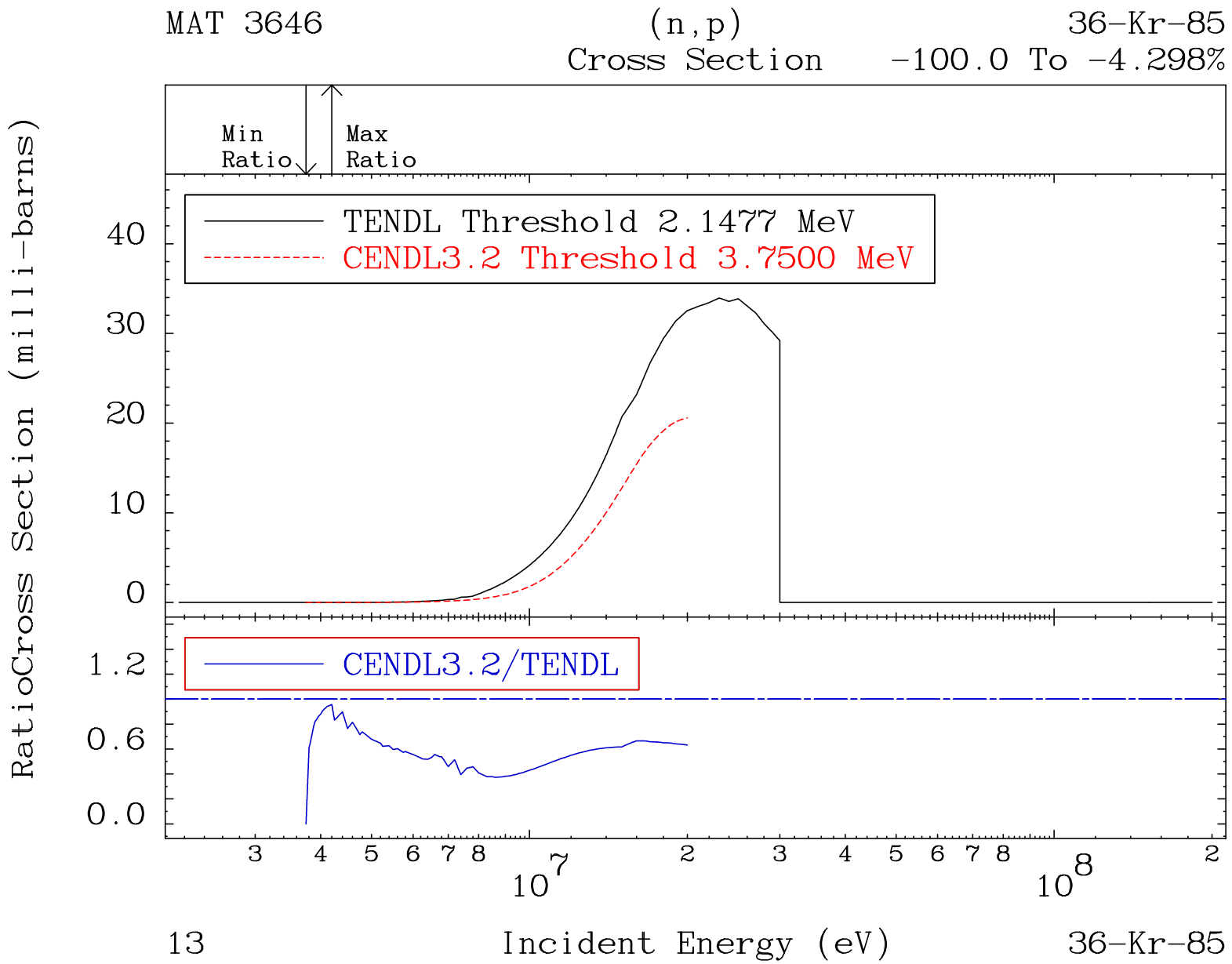

MAT 3646
MT= 51 (n,n') Level
36-Kr-85
Cross Section -69.66 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 308.49 keV
CENDL3.2 Threshold 308.49 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
8
36-Kr-85

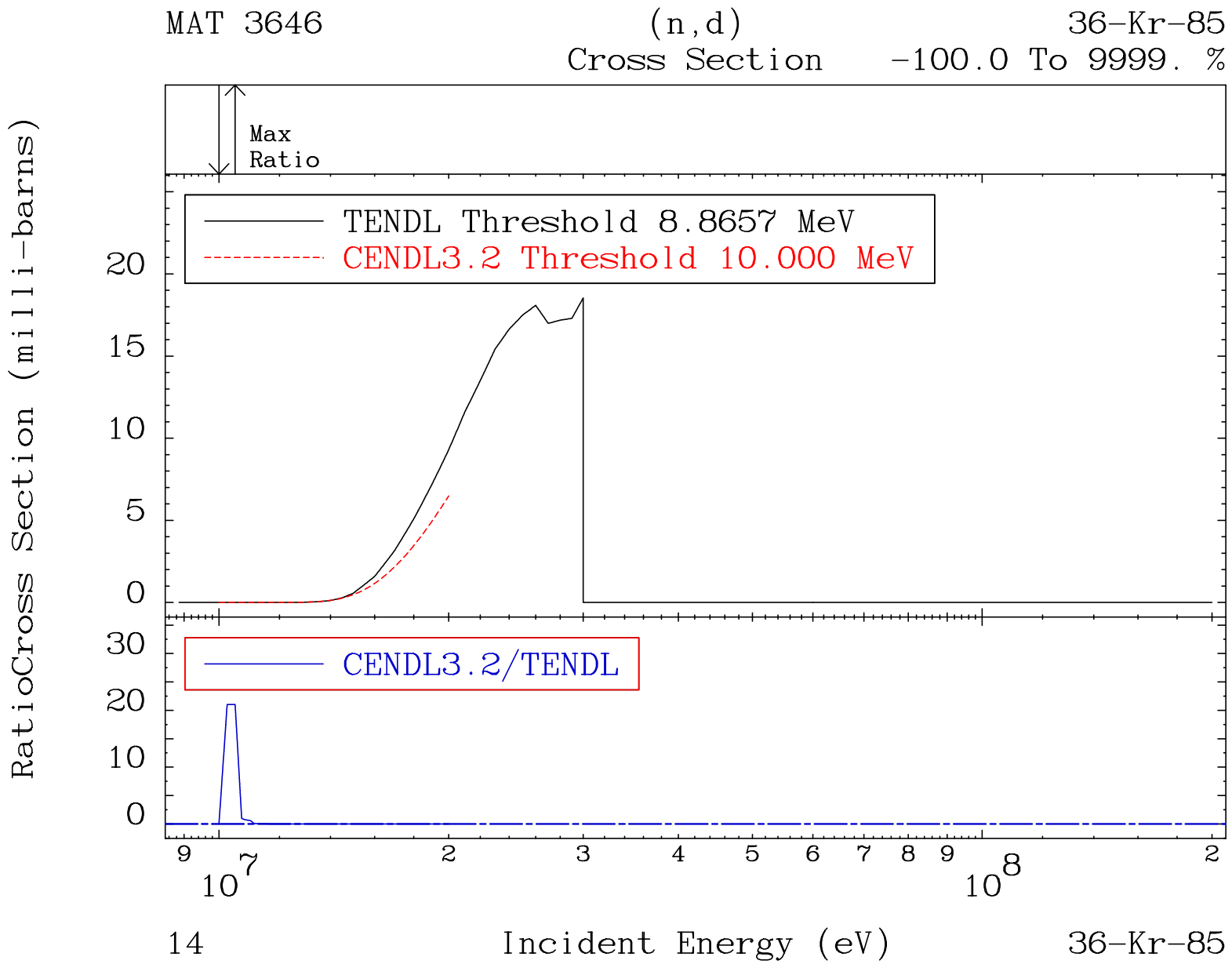

MAT 3646
MT= 52 (n,n') Level
36-Kr-85
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.1205 MeV
CENDL3.2 Threshold 1.1205 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
9
36-Kr-85

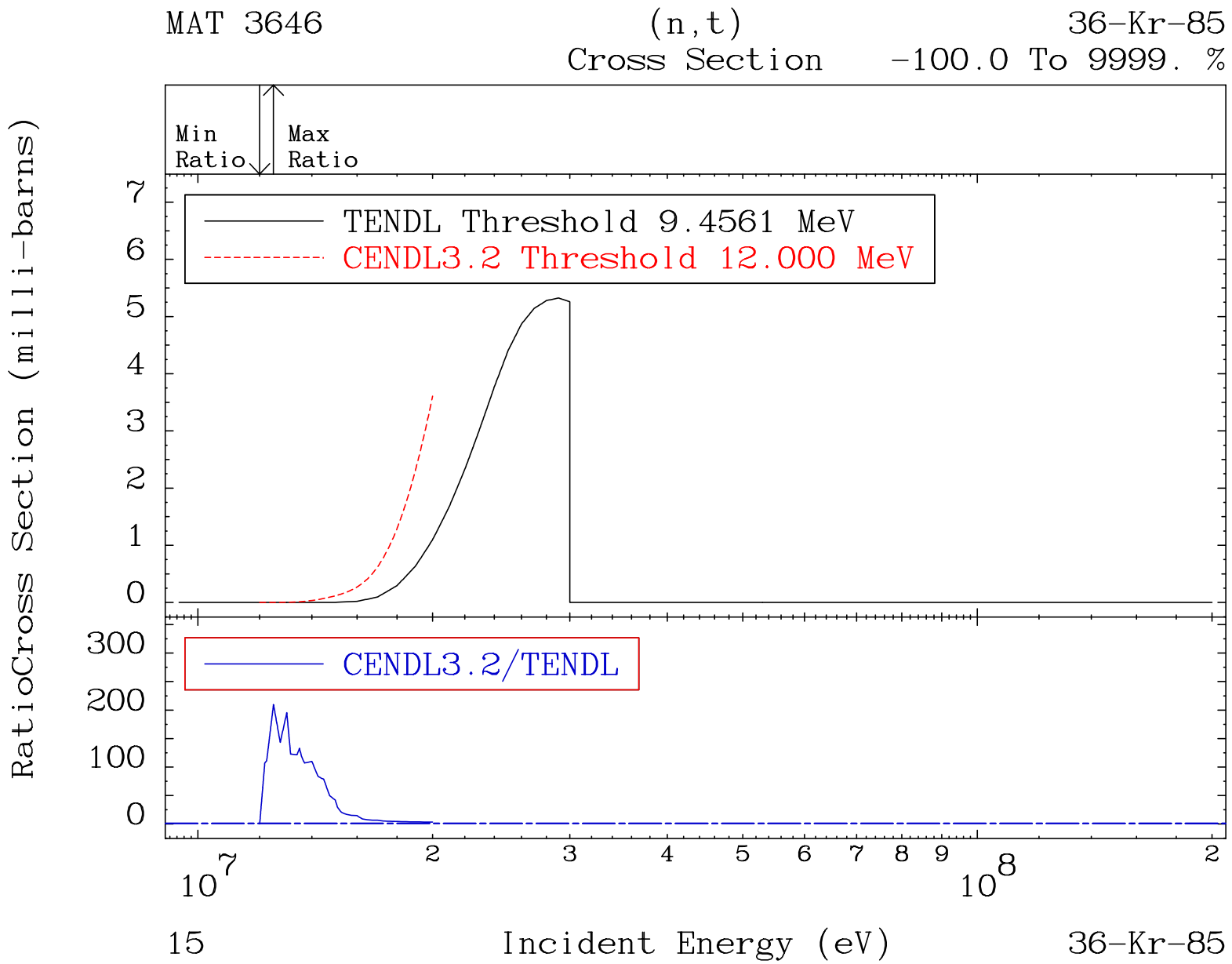

MAT 3646
MT= 53 (n,n') Level
36-Kr-85
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.1543 MeV
CENDL3.2 Threshold 1.1543 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
3.0
2.0
1.0
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
10
Incident Energy (eV)
36-Kr-85

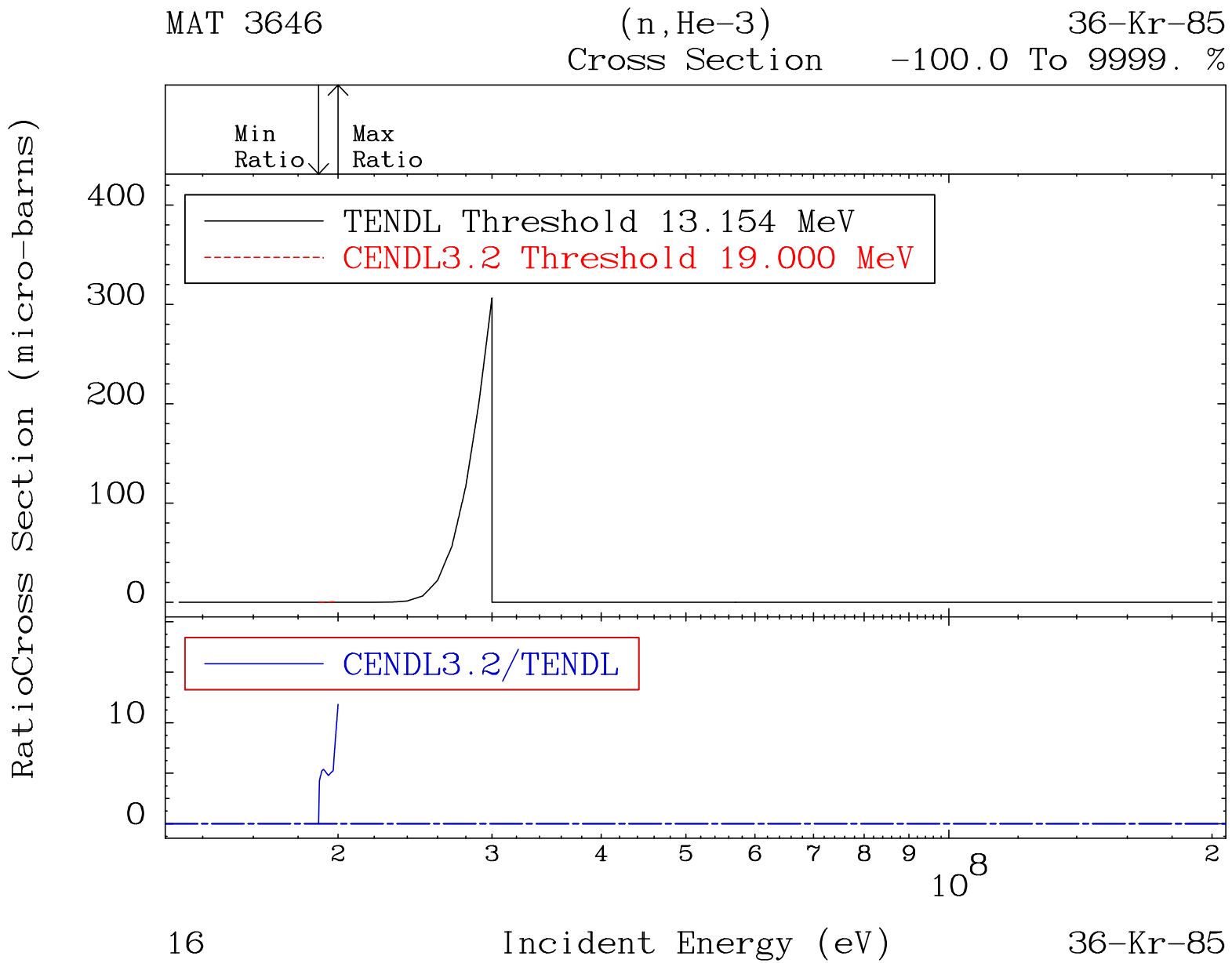

MAT 3646
(n,n') Continuum
Cross Section
36-Kr-85
-13.05 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.6043 MeV
CENDL3.2 Threshold 1.1543 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
CENDL3.2/TENDL
Ratio
10^2
10^0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
11
Incident Energy (eV)
36-Kr-85

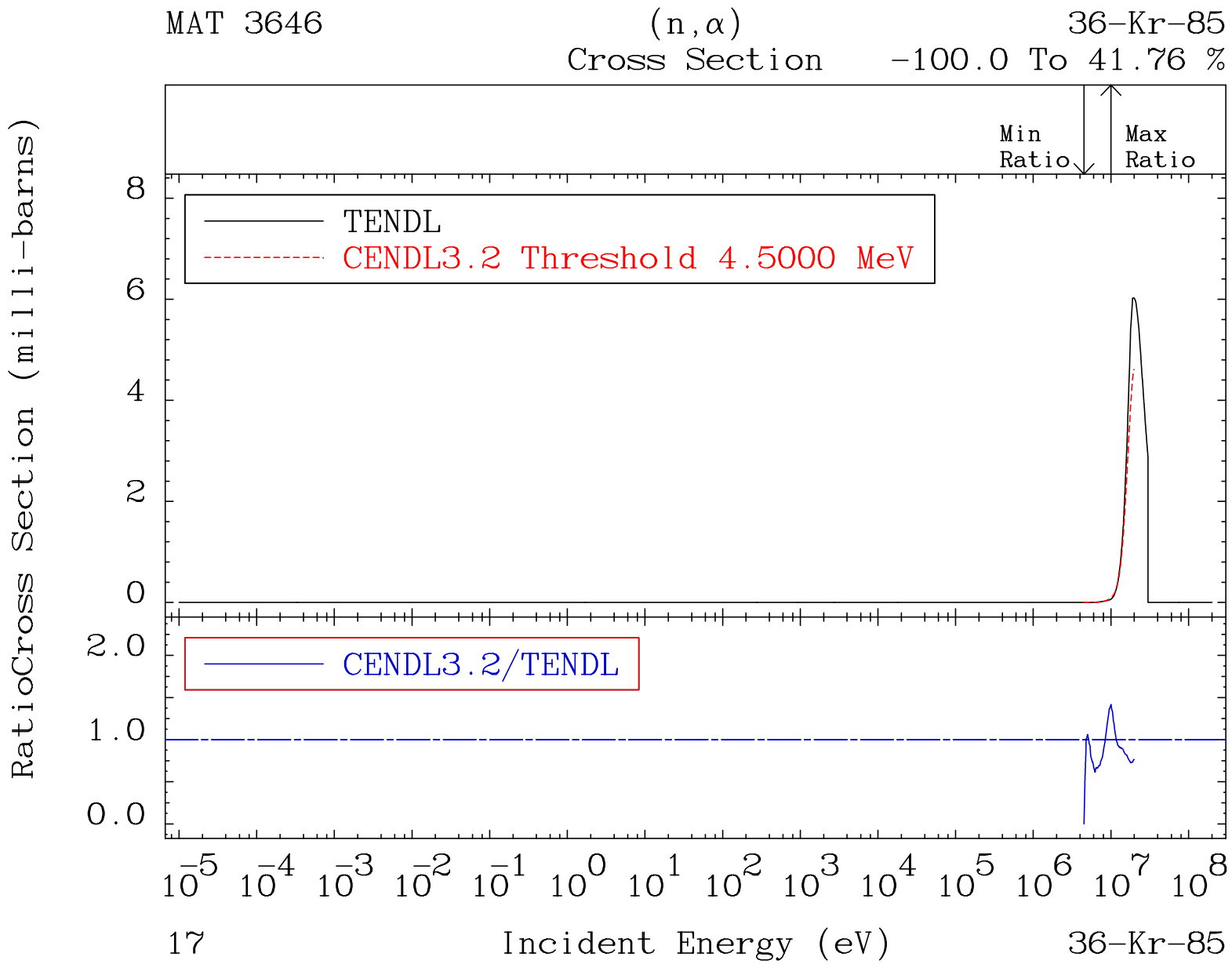

MAT 3646
(n,γ)
36-Kr-85
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
Cross Section (barns)
10^4
10^2
10^0
10^-2
CENDL3.2/TENDL
Ratio
10^4
10^0
10^-4
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
12
Incident Energy (eV)
36-Kr-85

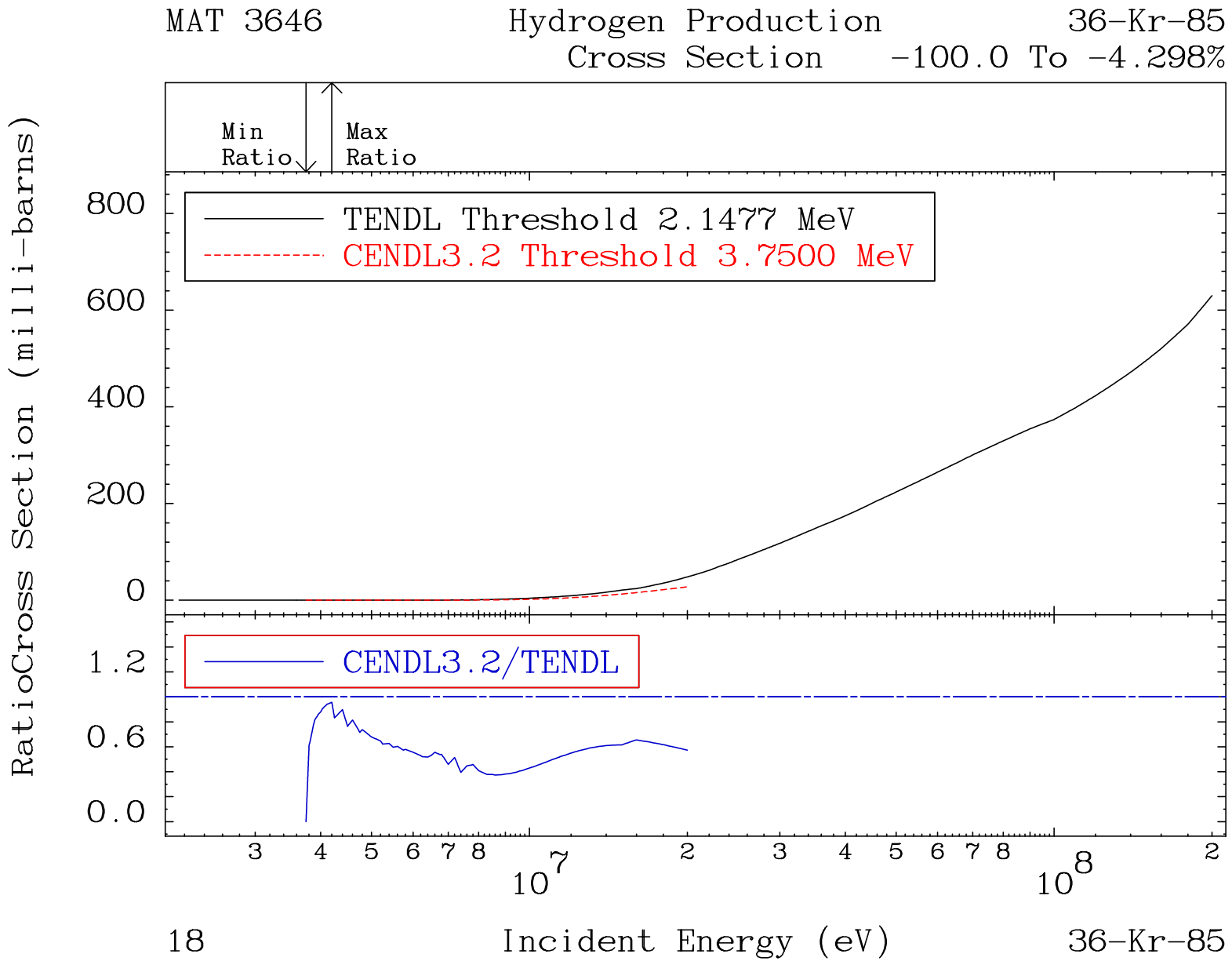

MAT 3646
(n,p)
36-Kr-85
Cross Section
-100.0 To -4.298%
Min Ratio
Max Ratio
TENDL Threshold 2.1477 MeV
CENDL3.2 Threshold 3.7500 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.2
0.6
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
36-Kr-85

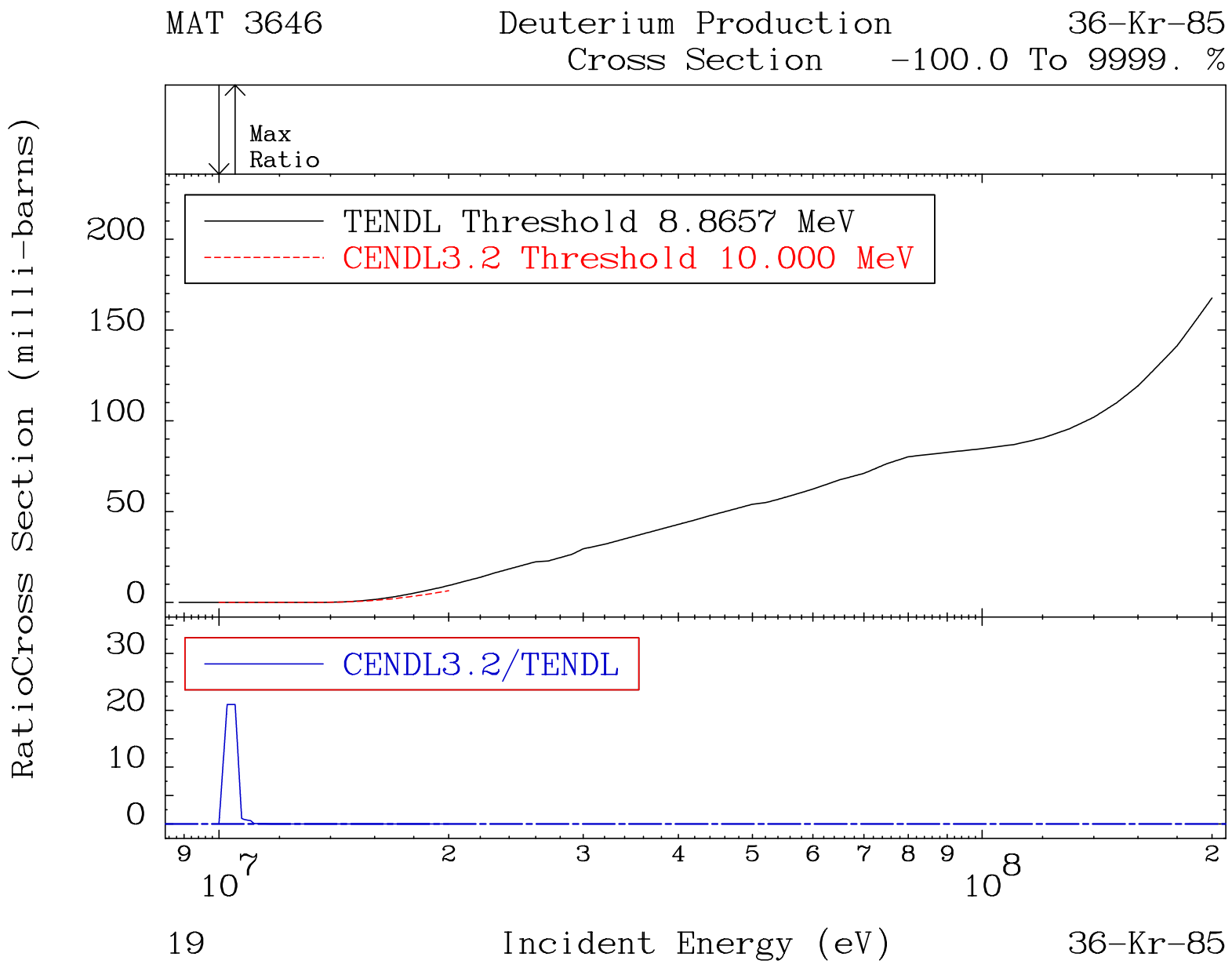

MAT 3646
(n,d)
Cross Section
36-Kr-85
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 8.8657 MeV
CENDL3.2 Threshold 10.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
30
20
10
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
14
Incident Energy (eV)
36-Kr-85

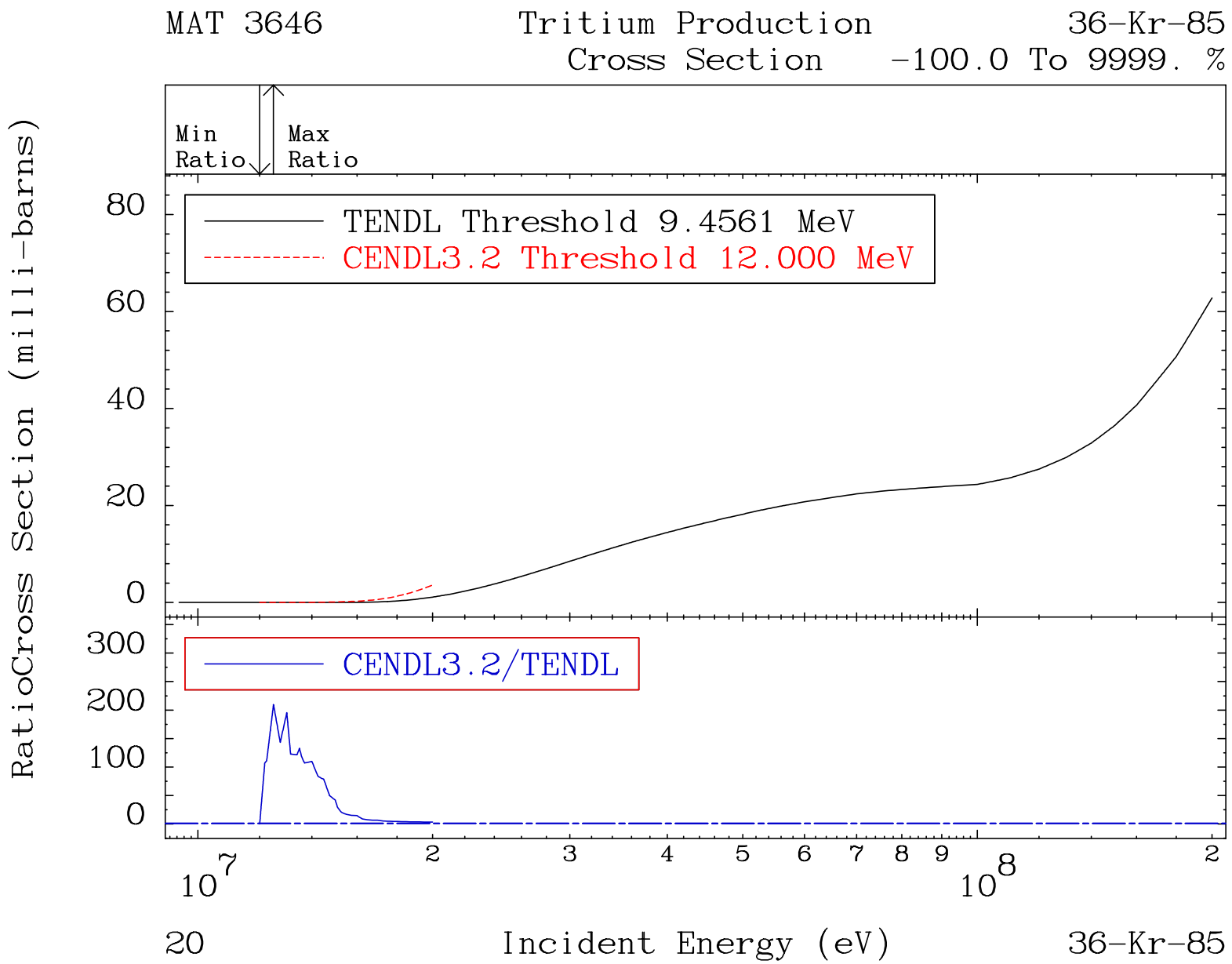

MAT 3646
(n,t)
36-Kr-85
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 9.4561 MeV
CENDL3.2 Threshold 12.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
15
36-Kr-85

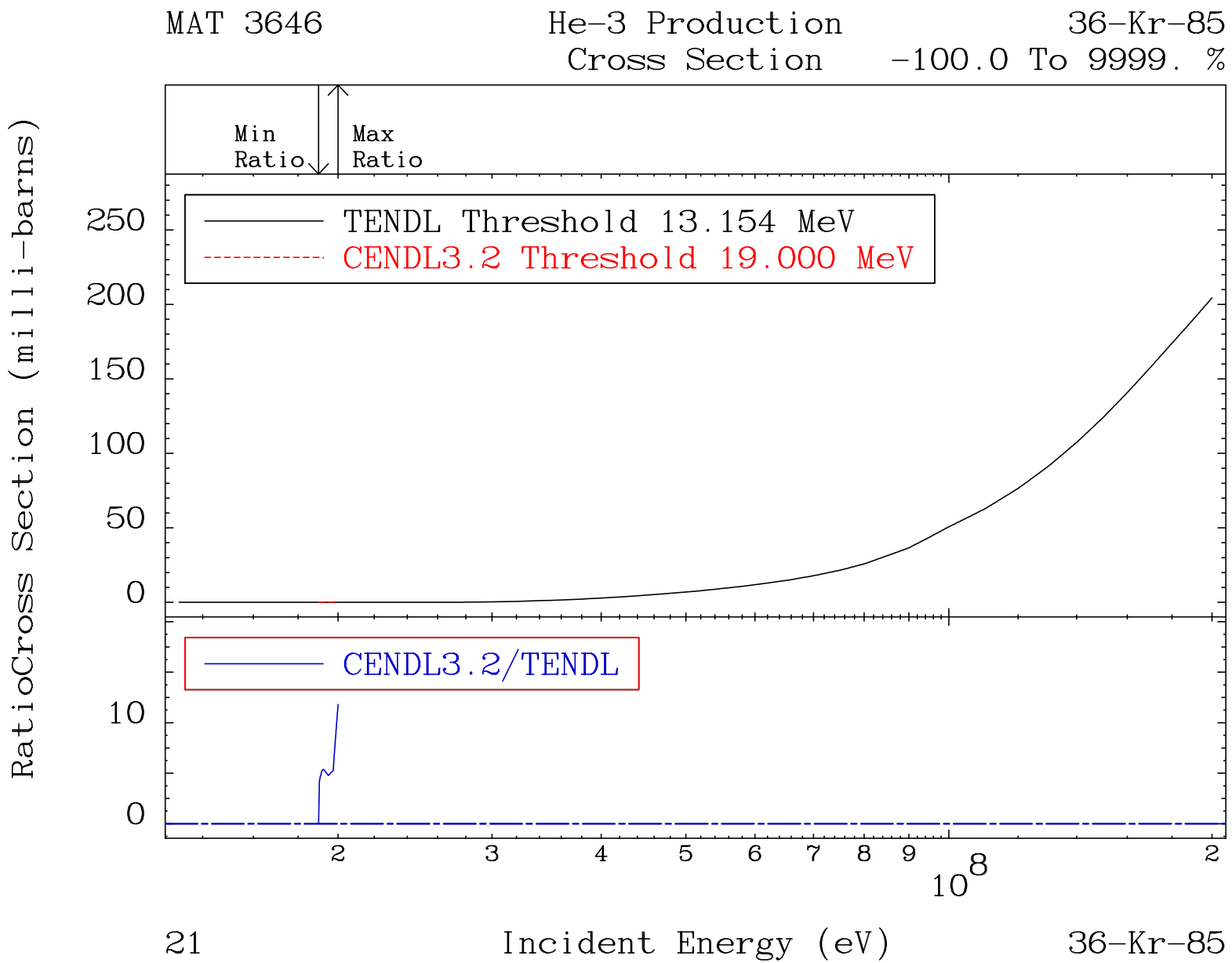

MAT 3646
(n,He-3)
Cross Section
36-Kr-85
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 13.154 MeV
CENDL3.2 Threshold 19.000 MeV
CENDL3.2/TENDL
RatioCross Section (micro-barns)
400
300
200
100
0
10
0
2
3
4
5
6
7
8
9
10^8
2
16
Incident Energy (eV)
36-Kr-85

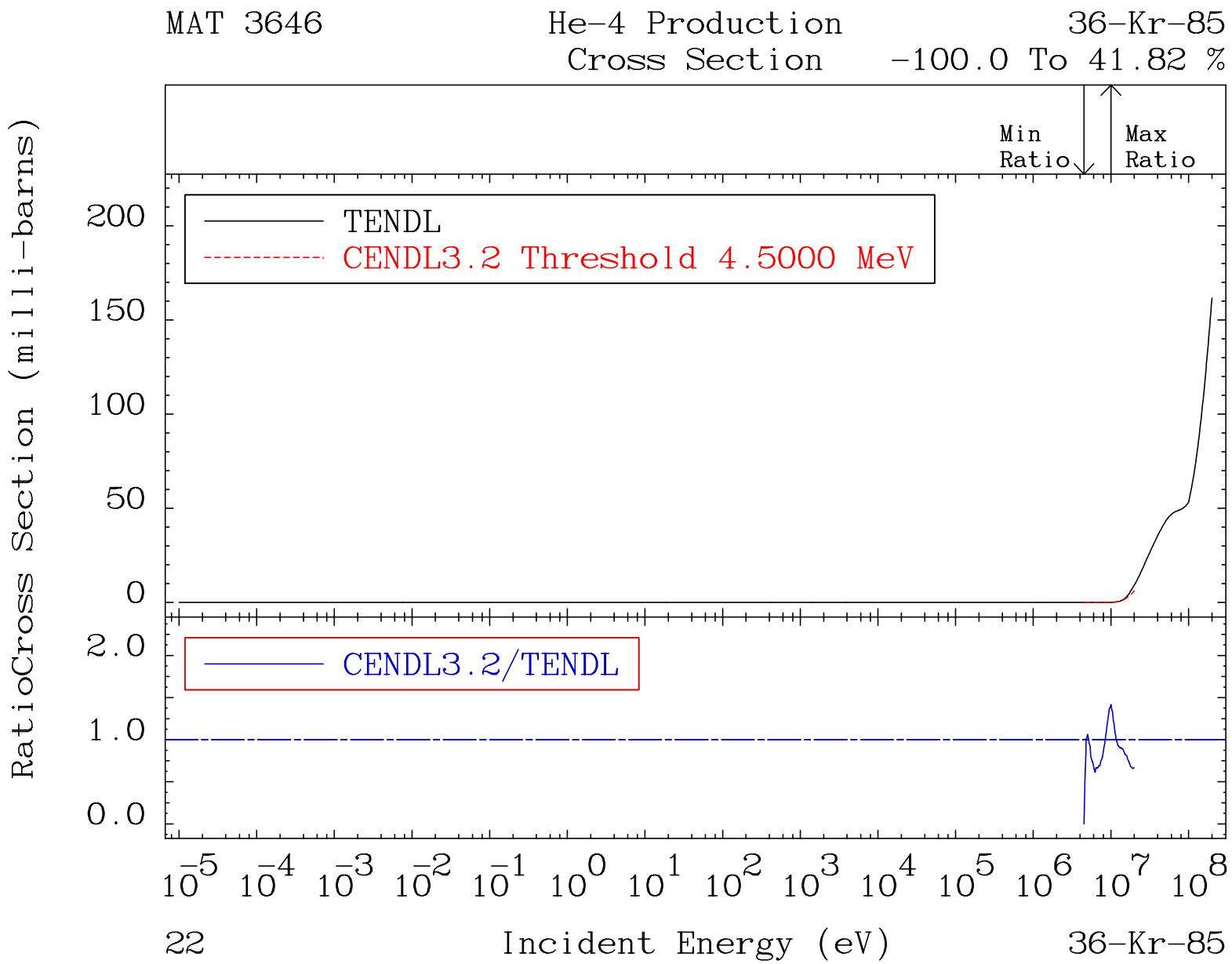

MAT 3646
(n,α)
Cross Section
36-Kr-85
-100.0 To 41.76 %
Min Ratio
Max Ratio
TENDL
CENDL3.2 Threshold 4.5000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
17
36-Kr-85

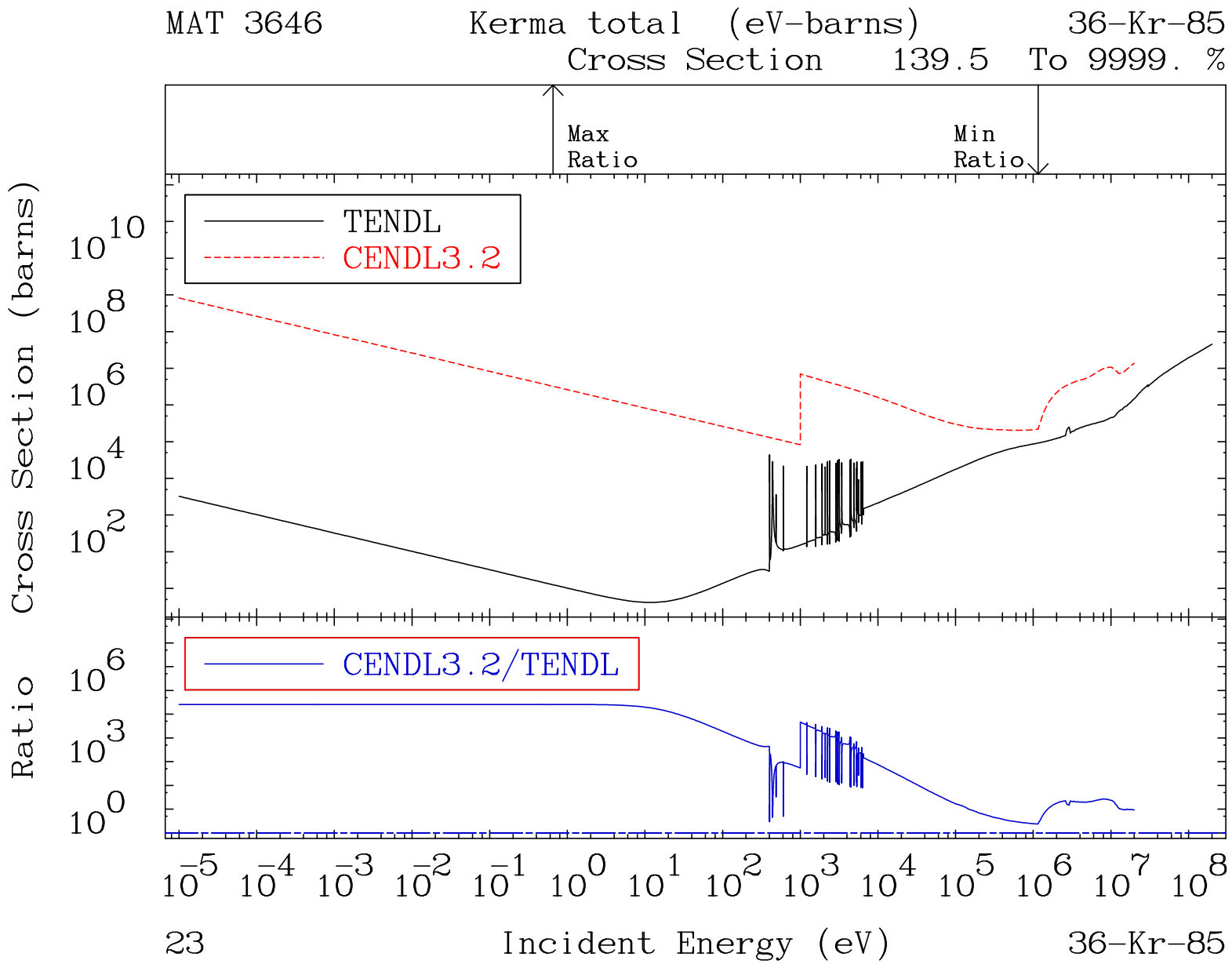

MAT 3646
Hydrogen Production
36-Kr-85
Cross Section -100.0 To -4.298%
Min Ratio
Max Ratio
TENDL Threshold 2.1477 MeV
CENDL3.2 Threshold 3.7500 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
36-Kr-85

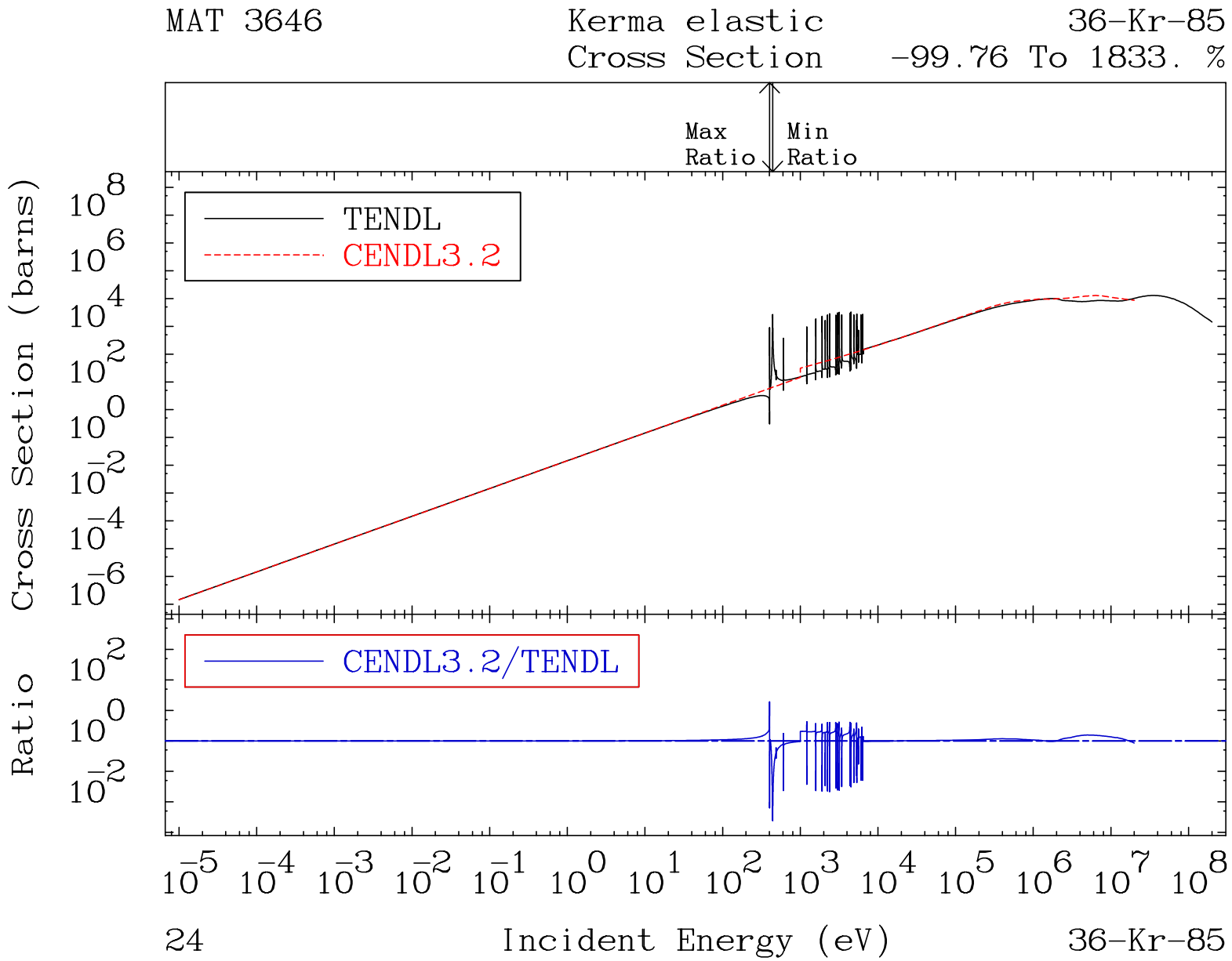

MAT 3646
Deuterium Production
36-Kr-85
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 8.8657 MeV
CENDL3.2 Threshold 10.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
30
20
10
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
19
Incident Energy (eV)
36-Kr-85

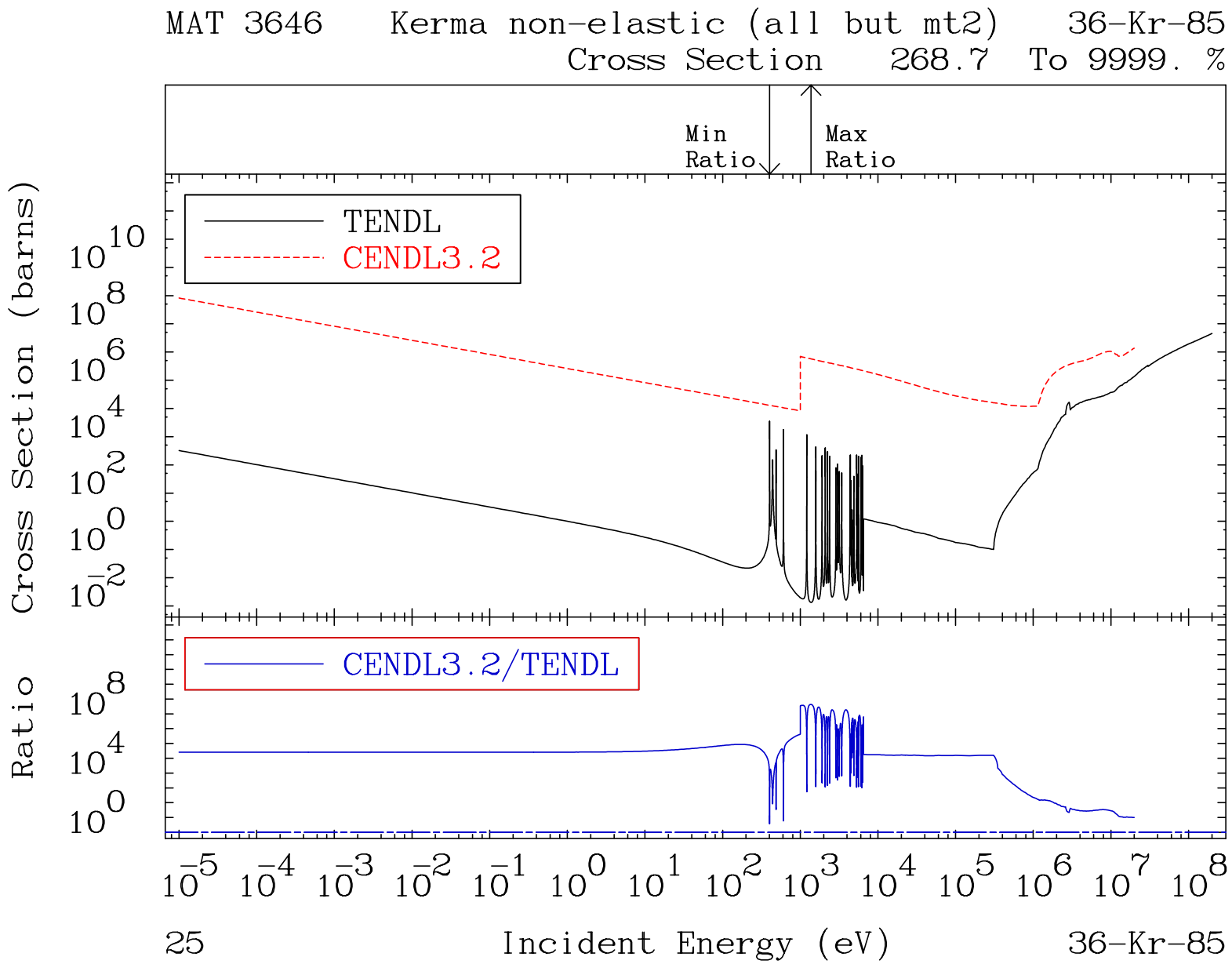

MAT 3646
Tritium Production
36-Kr-85
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 9.4561 MeV
CENDL3.2 Threshold 12.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
300
200
100
0
10^7
2
3
4
5
6
7
8
9
10^8
2
20
Incident Energy (eV)
36-Kr-85

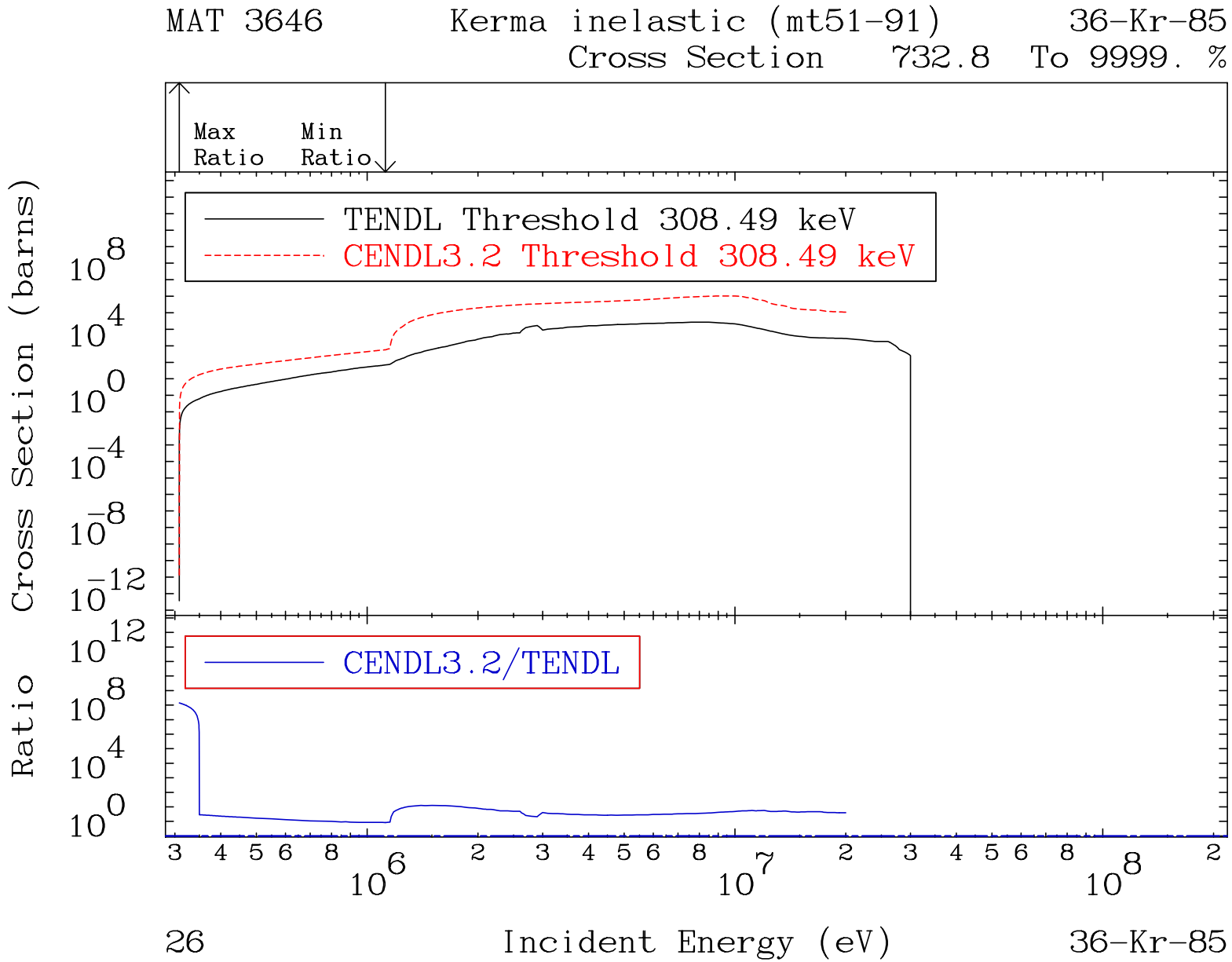

MAT 3646
He-3 Production
Cross Section
36-Kr-85
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 13.154 MeV
CENDL3.2 Threshold 19.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
10
0
2
3
4
5
6
7
8
9
10^8
2
21
Incident Energy (eV)
36-Kr-85

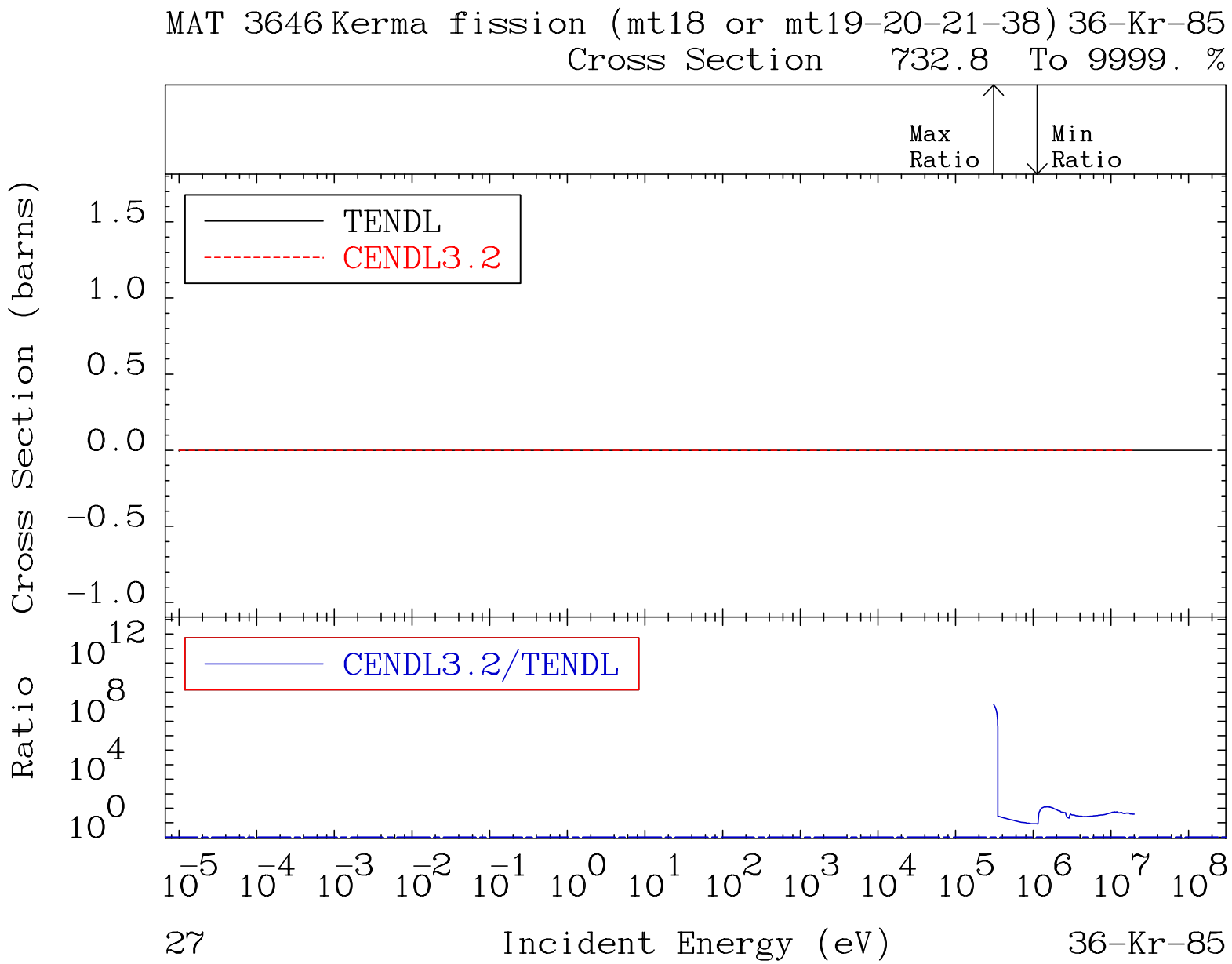

MAT 3646
He-4 Production
Cross Section
36-Kr-85
-100.0 To 41.82 %
Min Ratio
Max Ratio
TENDL
CENDL3.2 Threshold 4.5000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
22
Incident Energy (eV)
36-Kr-85

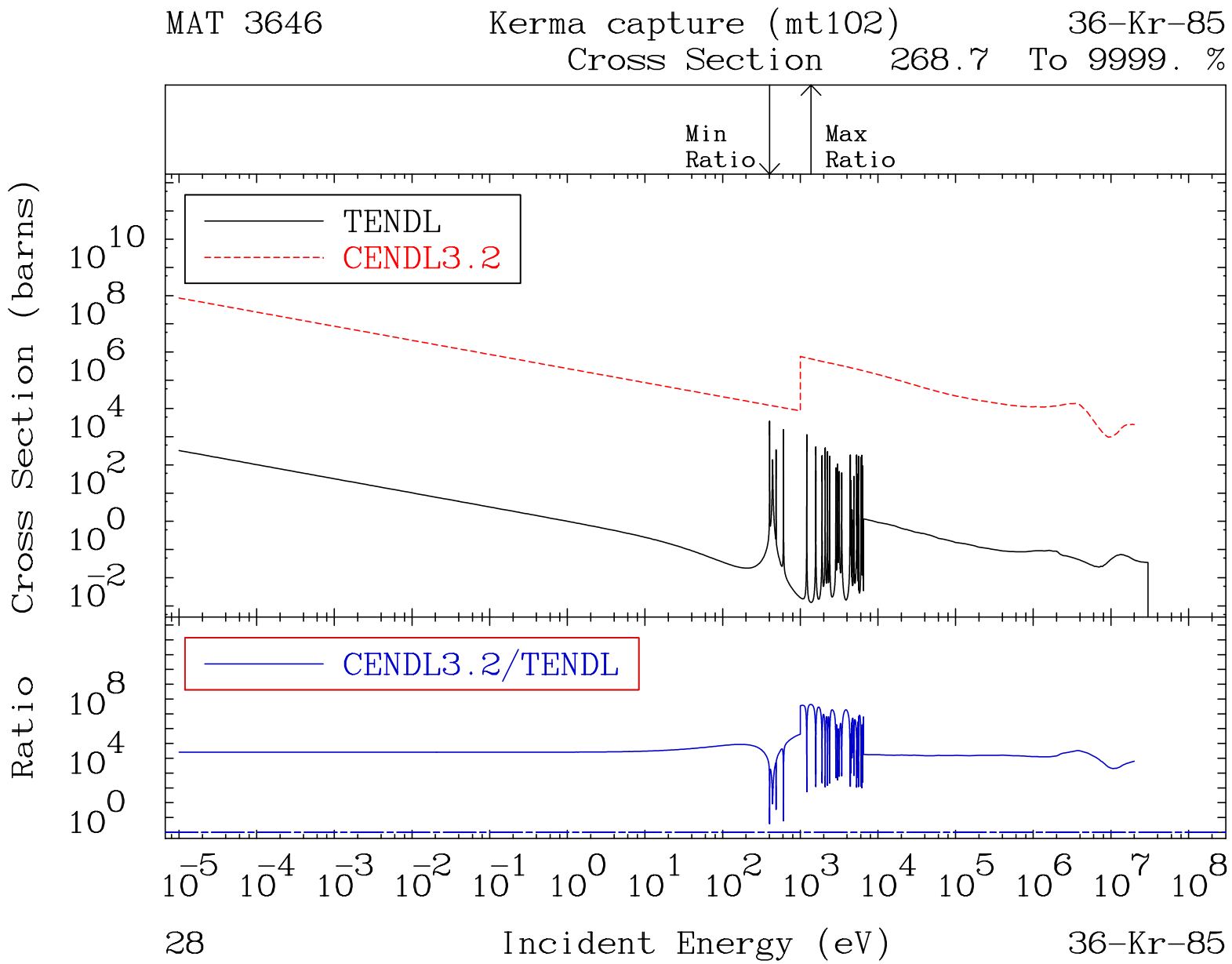

MAT 3646
Kerma total (eV-barns)
36-Kr-85
Cross Section 139.5 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
23
36-Kr-85

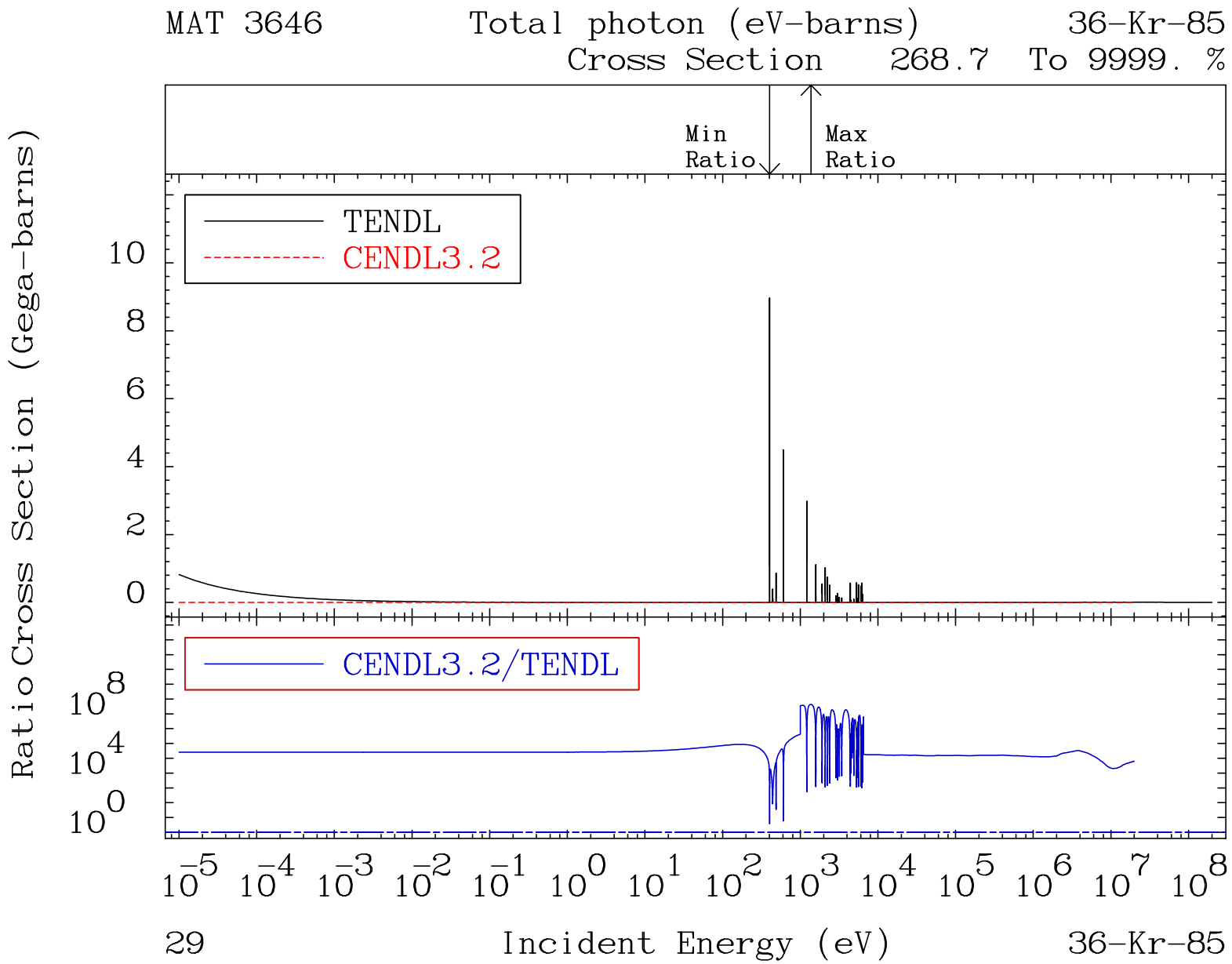

MAT 3646
Kerma elastic
Cross Section
36-Kr-85
-99.76 To 1833. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
24
36-Kr-85

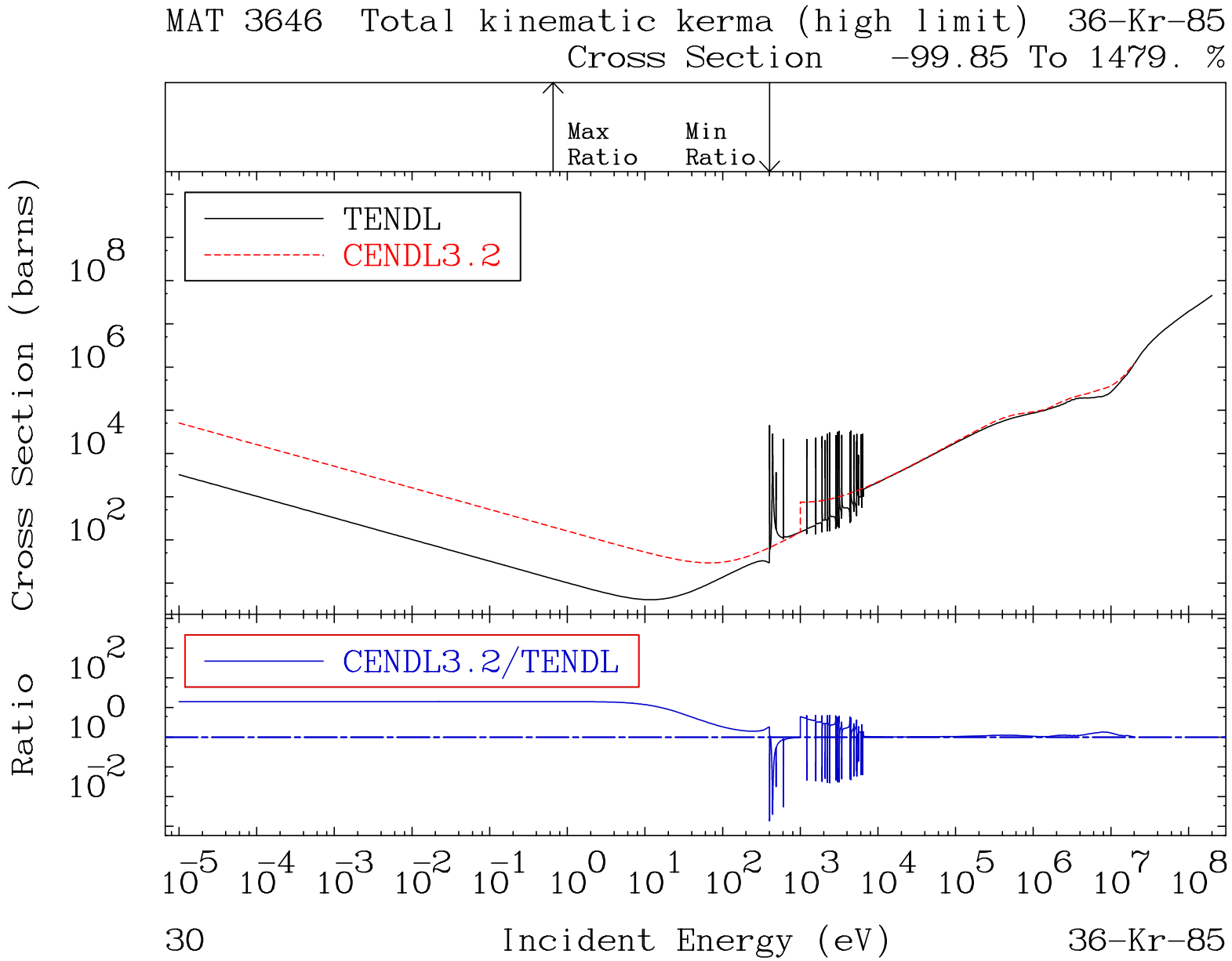

MAT 3646 Kerma non-elastic (all but mt2) 36-Kr-85
Cross Section 268.7 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
25
36-Kr-85

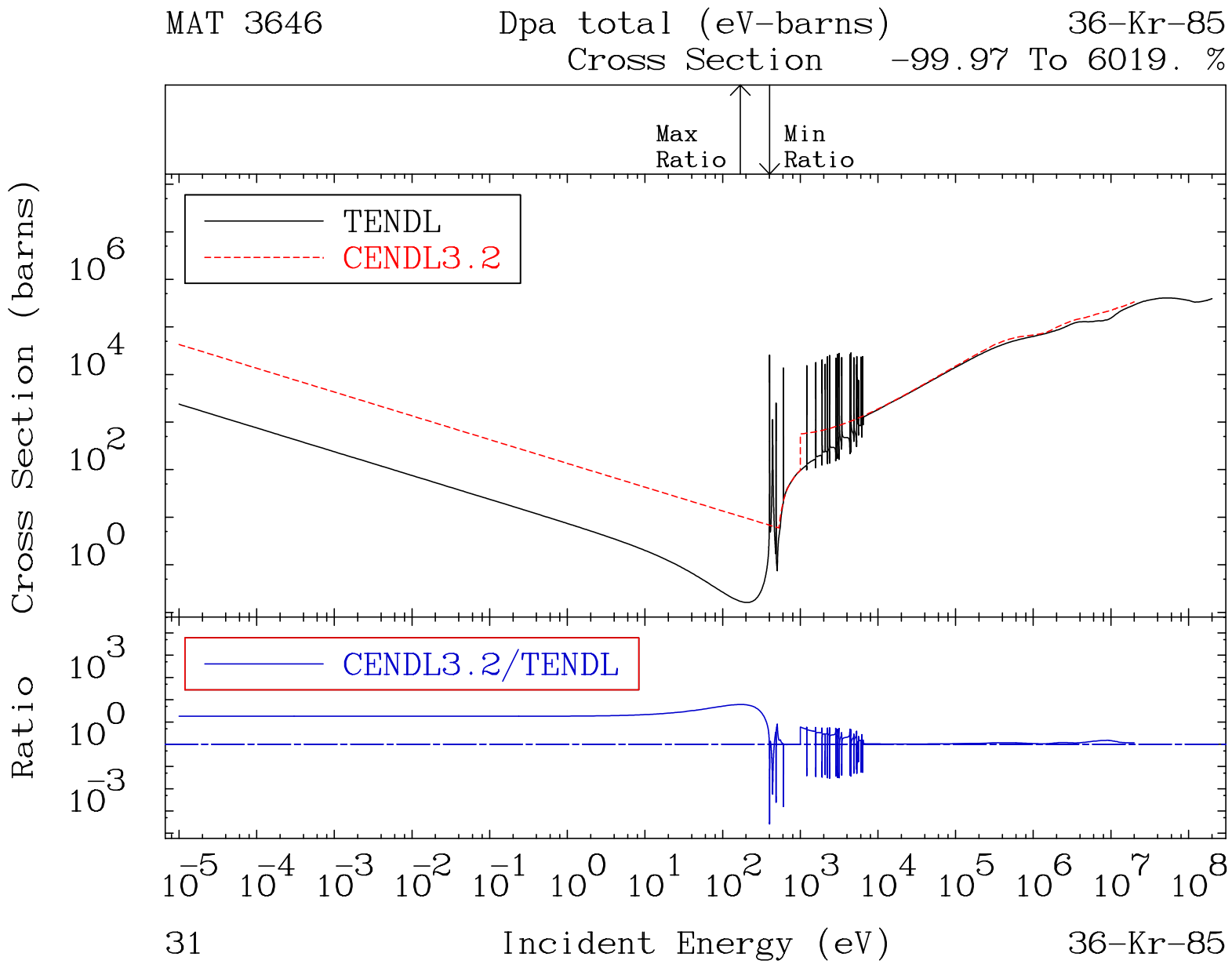

MAT 3646
Kerma inelastic (mt51-91)
36-Kr-85
Cross Section 732.8 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 308.49 keV
CENDL3.2 Threshold 308.49 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
26
36-Kr-85

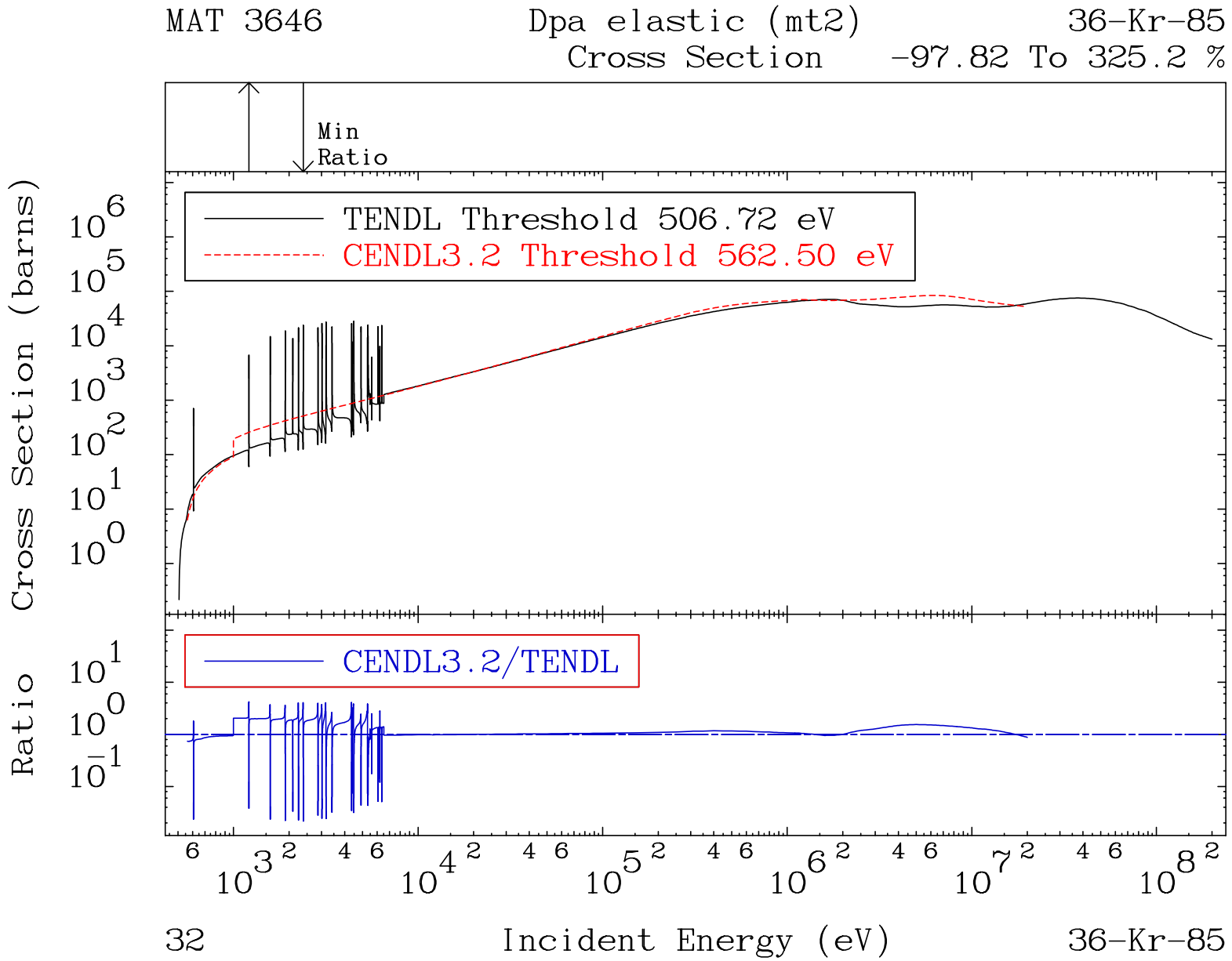

MAT 3646 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-85
Cross Section 732.8 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{12}
10^{8}
10^{4}
10^{0}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
27
Incident Energy (eV)
36-Kr-85

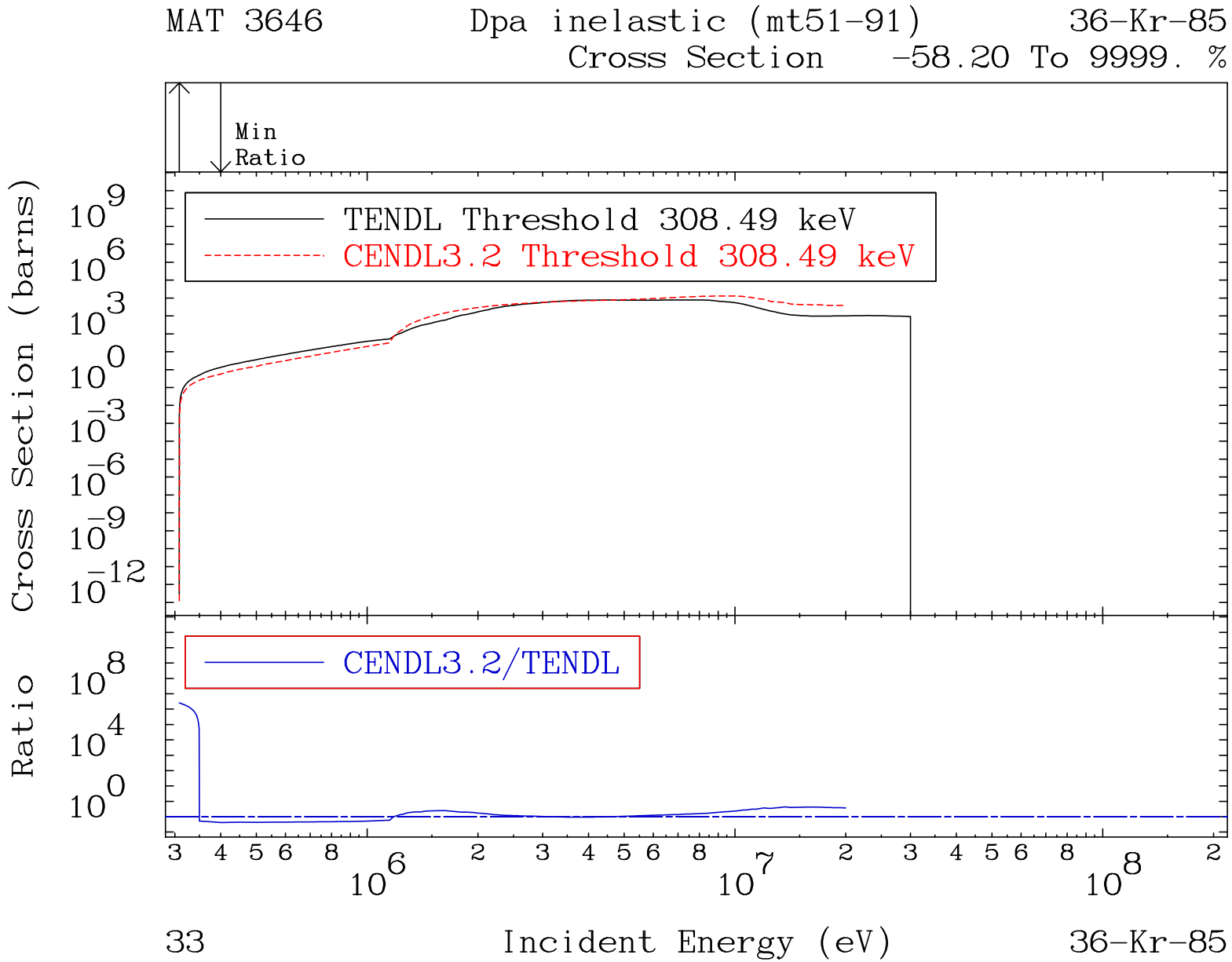

MAT 3646
Kerma capture (mt102)
36-Kr-85
Cross Section 268.7 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
28
36-Kr-85

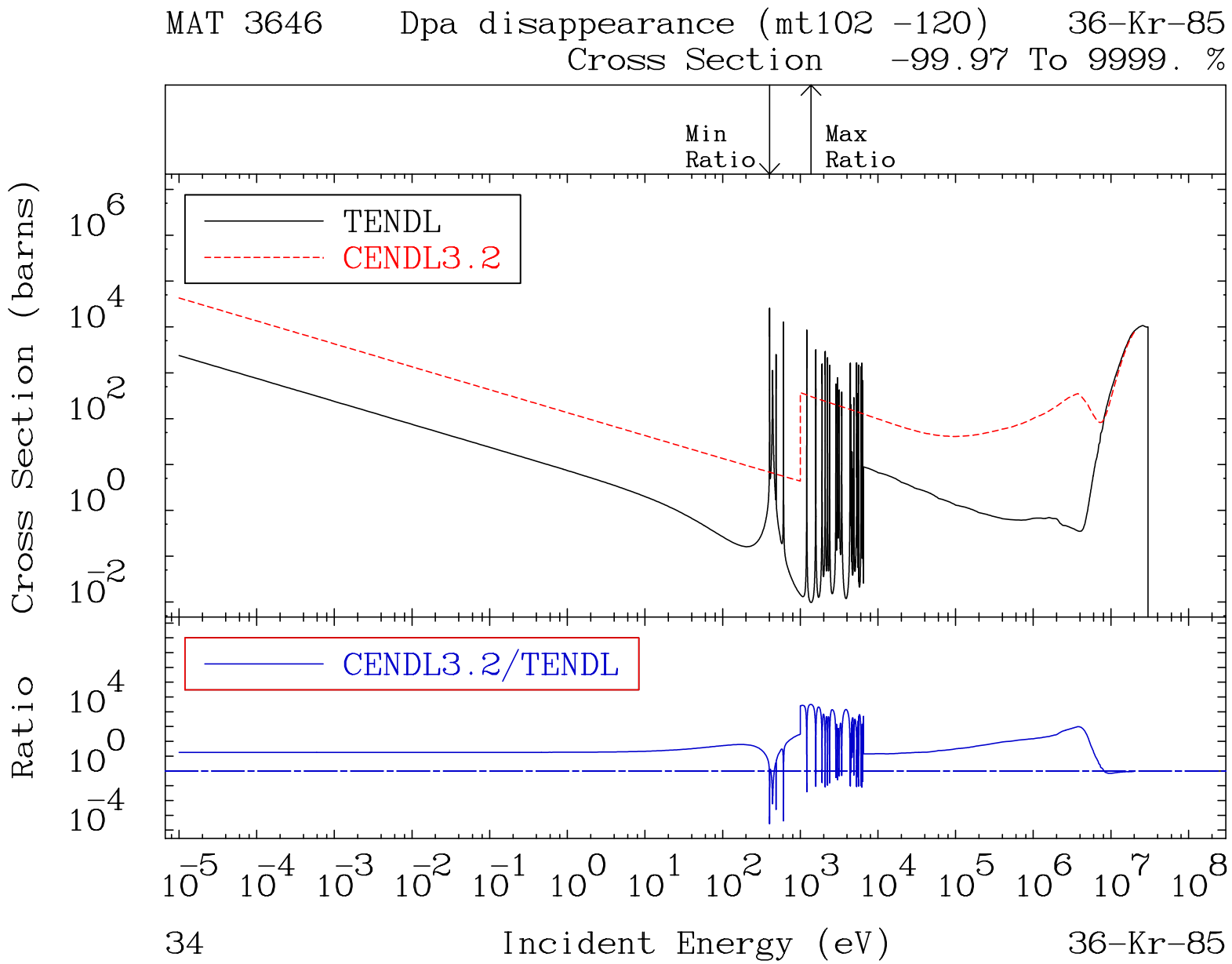

MAT 3646
Total photon (eV-barns)
36-Kr-85
Cross Section 268.7 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Ratio Cross Section (Giga-barns)
Incident Energy (eV)
29
36-Kr-85

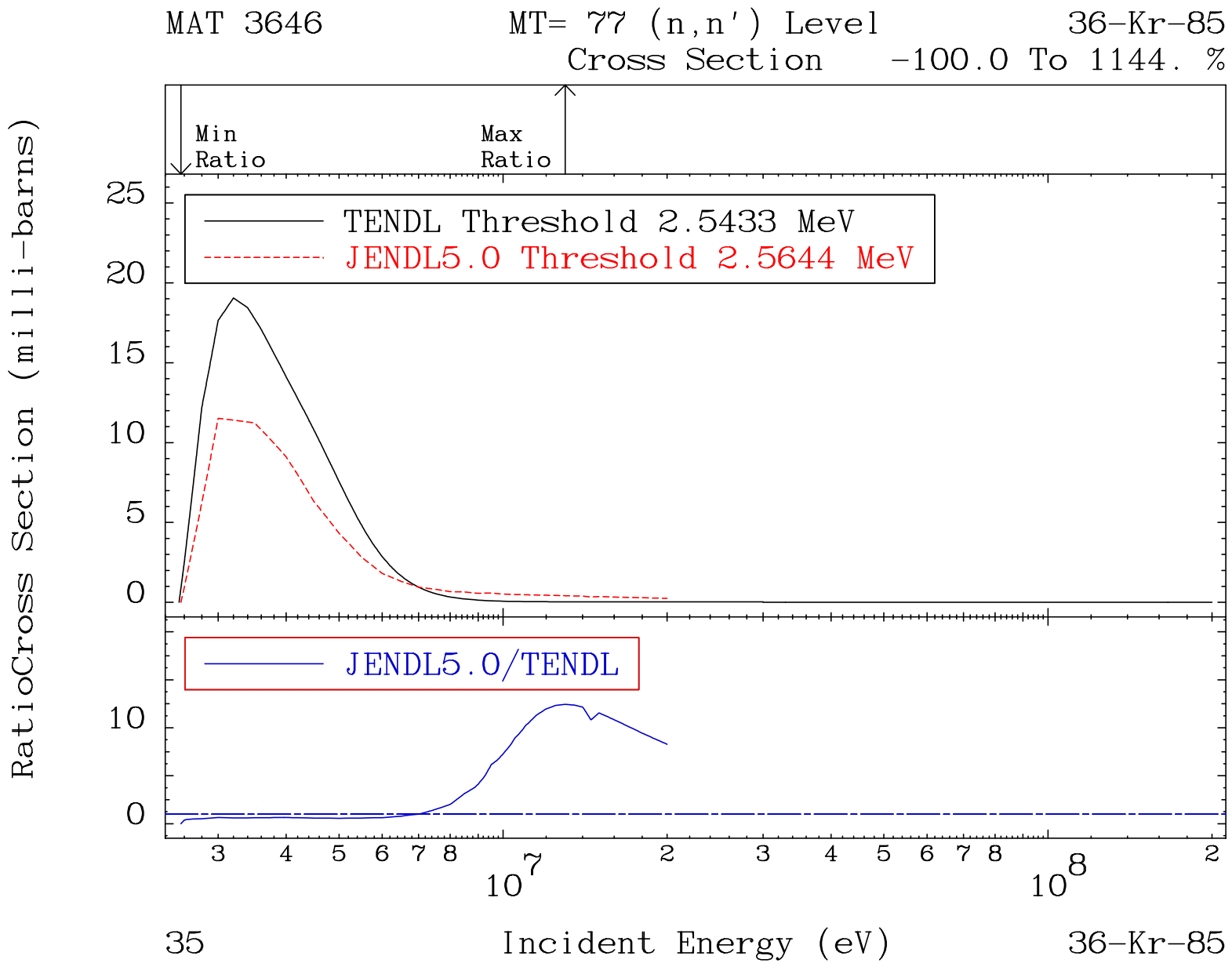

MAT 3646 Total kinematic kerma (high limit) 36-Kr-85
Cross Section -99.85 To 1479. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
30
36-Kr-85

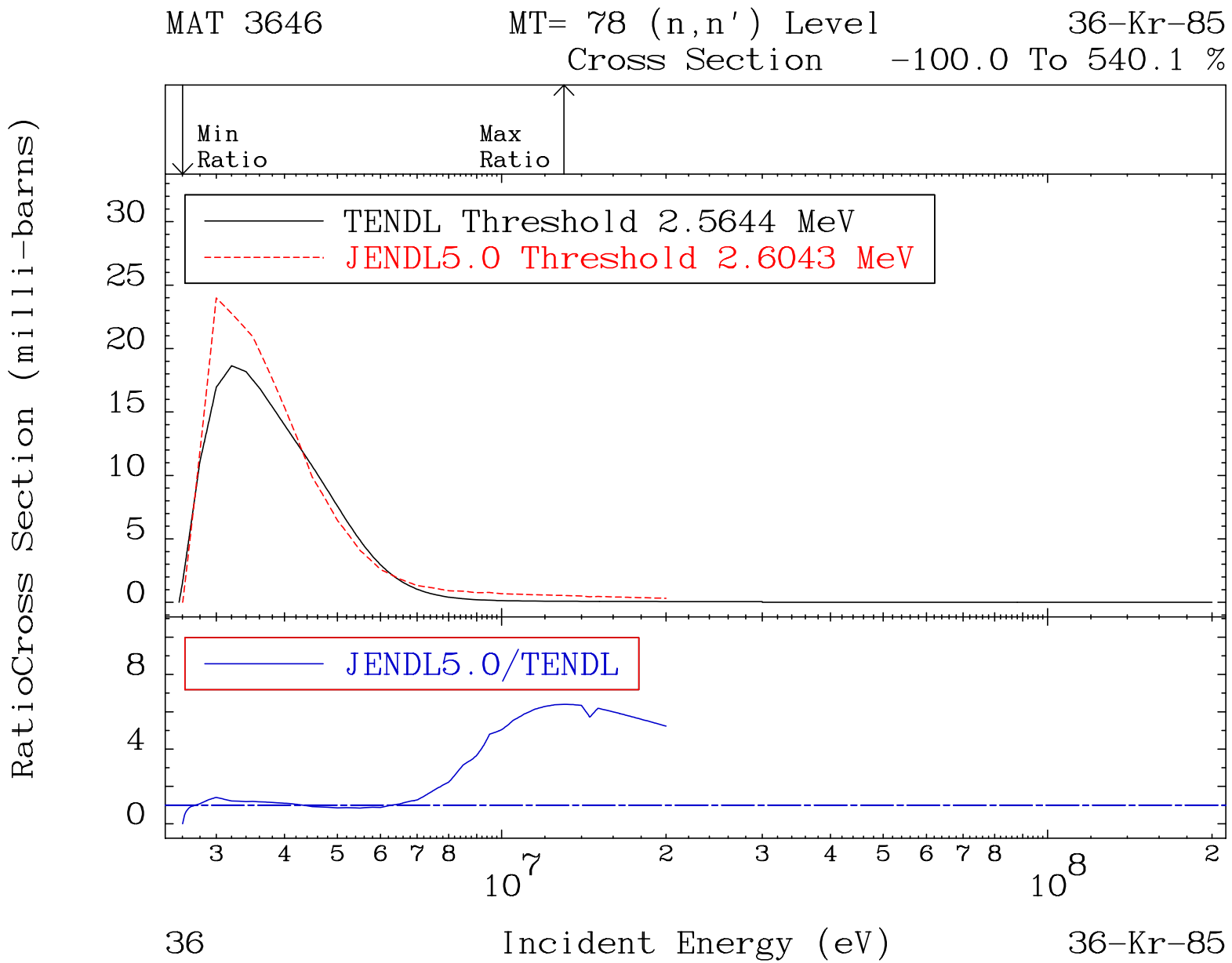

MAT 3646
Dpa total (eV-barns)
36-Kr-85
Cross Section
-99.97 To 6019. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
31
36-Kr-85

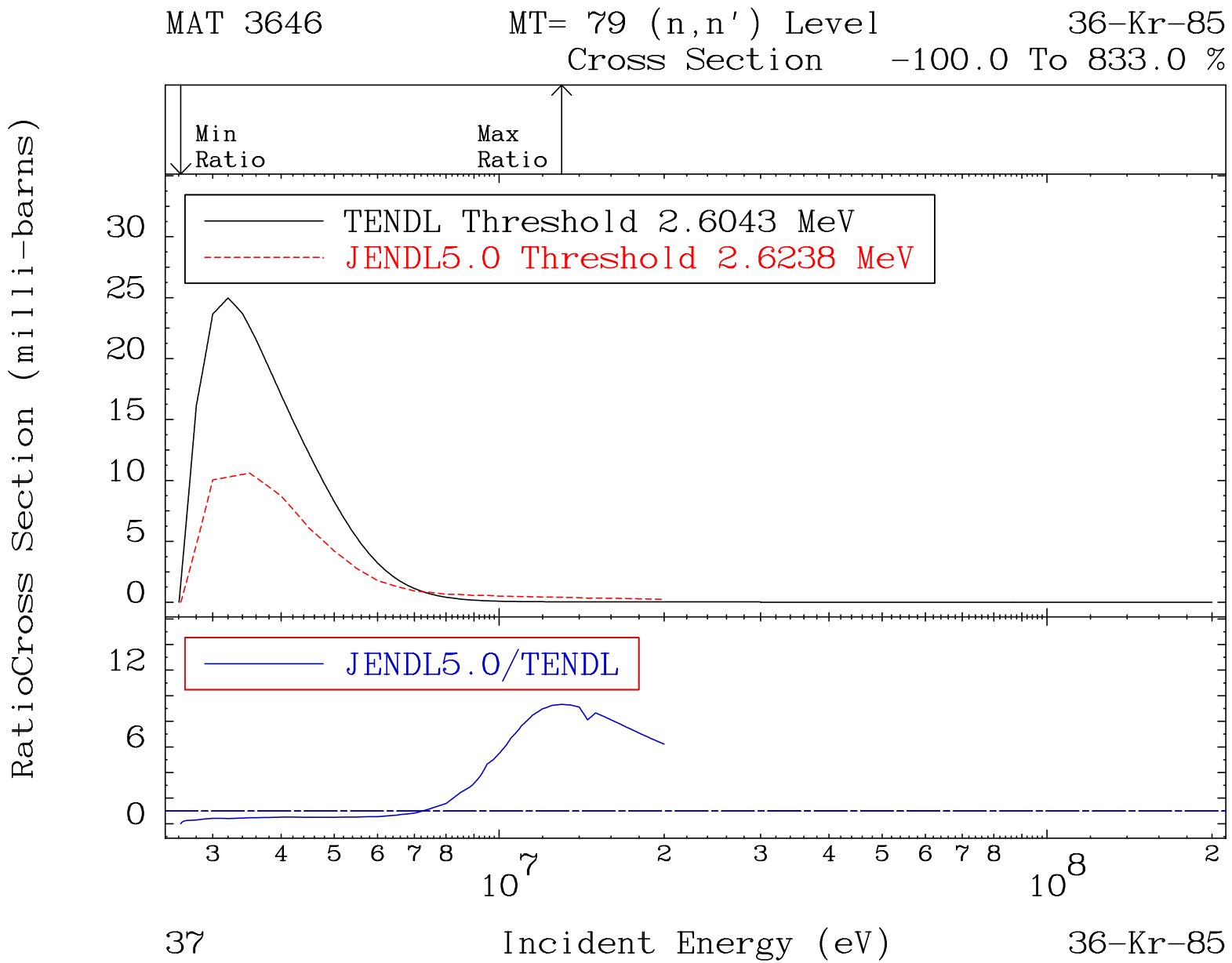

MAT 3646
Dpa elastic (mt2)
Cross Section
36-Kr-85
-97.82 To 325.2 %
Min
Ratio
TENDL Threshold 506.72 eV
CENDL3.2 Threshold 562.50 eV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
32
36-Kr-85

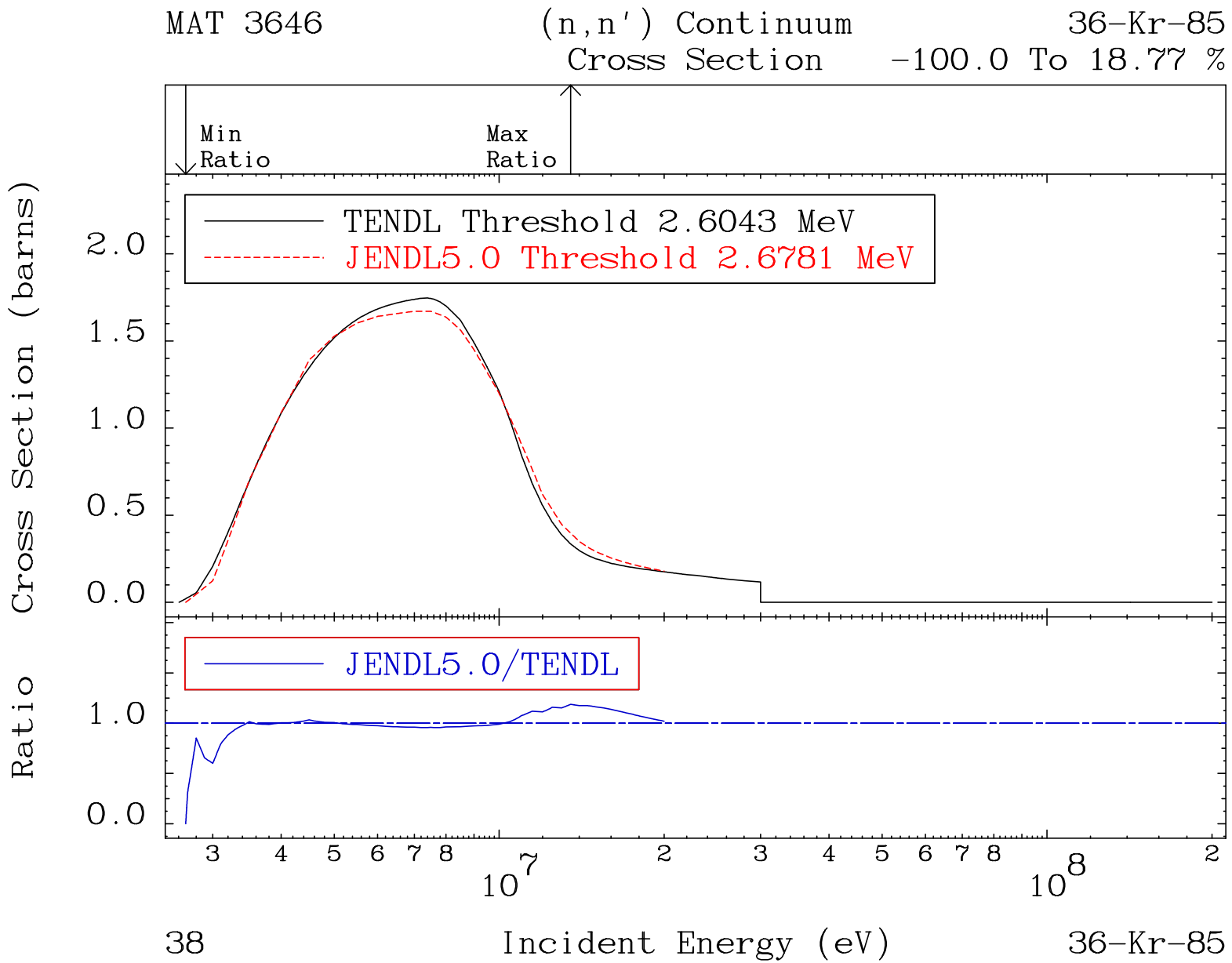

MAT 3646
Dpa inelastic (mt51-91)
36-Kr-85
Cross Section -58.20 To 9999. %
Min
Ratio
TENDL Threshold 308.49 keV
CENDL3.2 Threshold 308.49 keV
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
33
36-Kr-85

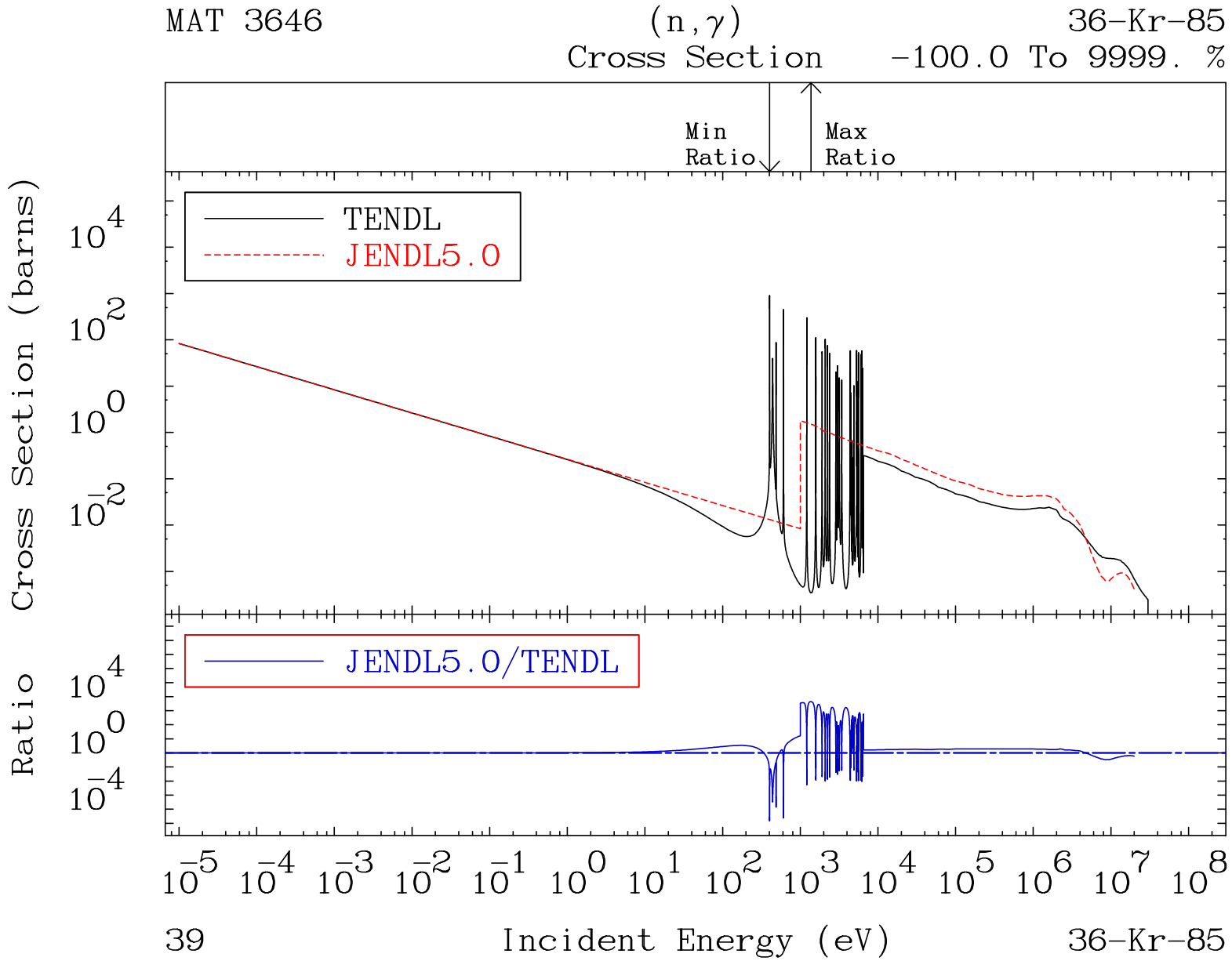

MAT 3646 Dpa disappearance (mt102 -120) 36-Kr-85
Cross Section -99.97 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
34
36-Kr-85

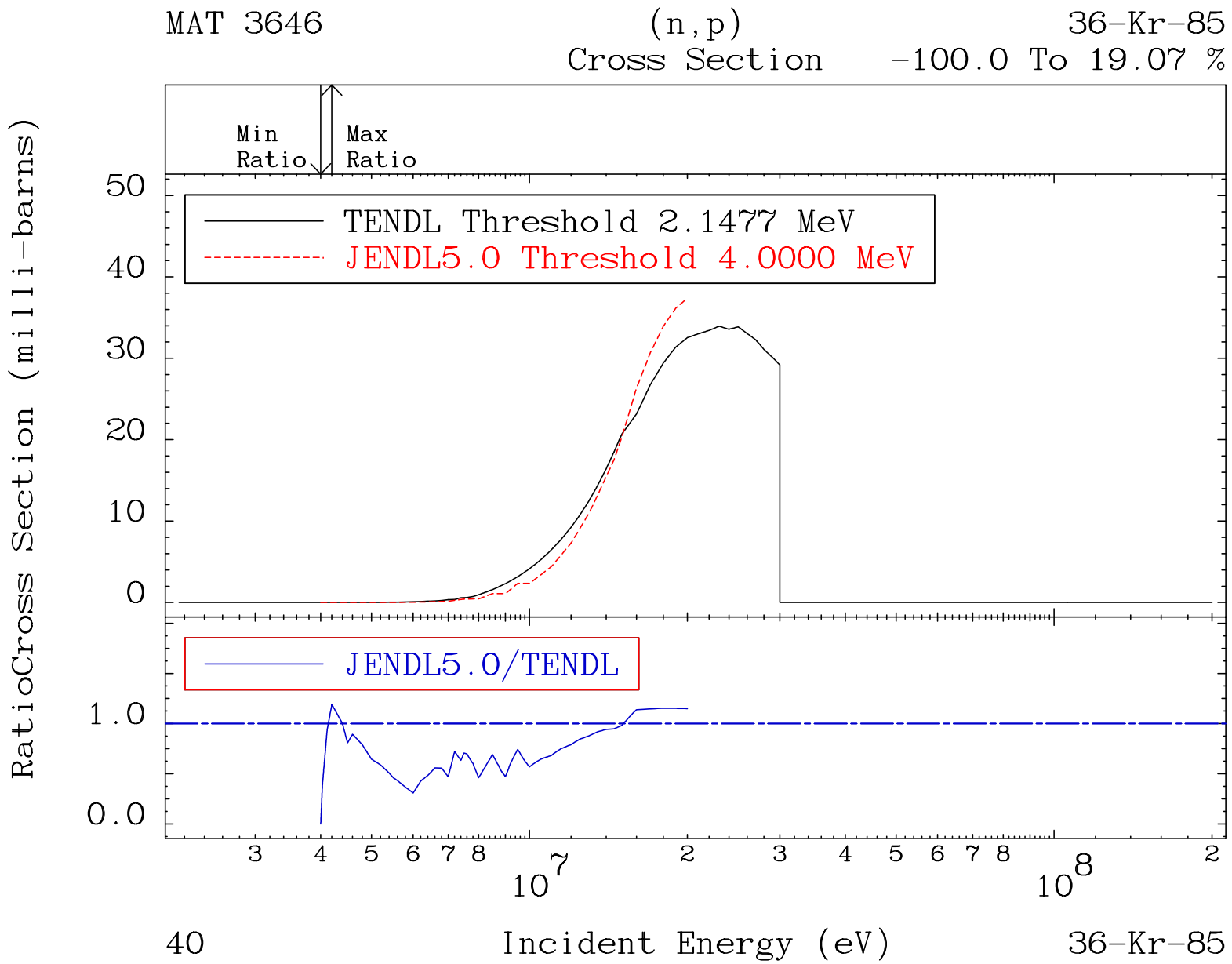

MAT 3646
MT= 77 (n,n') Level
36-Kr-85
Cross Section -100.0 To 1144. %
Min Ratio
Max Ratio
TENDL Threshold 2.5433 MeV
JENDL5.0 Threshold 2.5644 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
10
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
35
Incident Energy (eV)
36-Kr-85

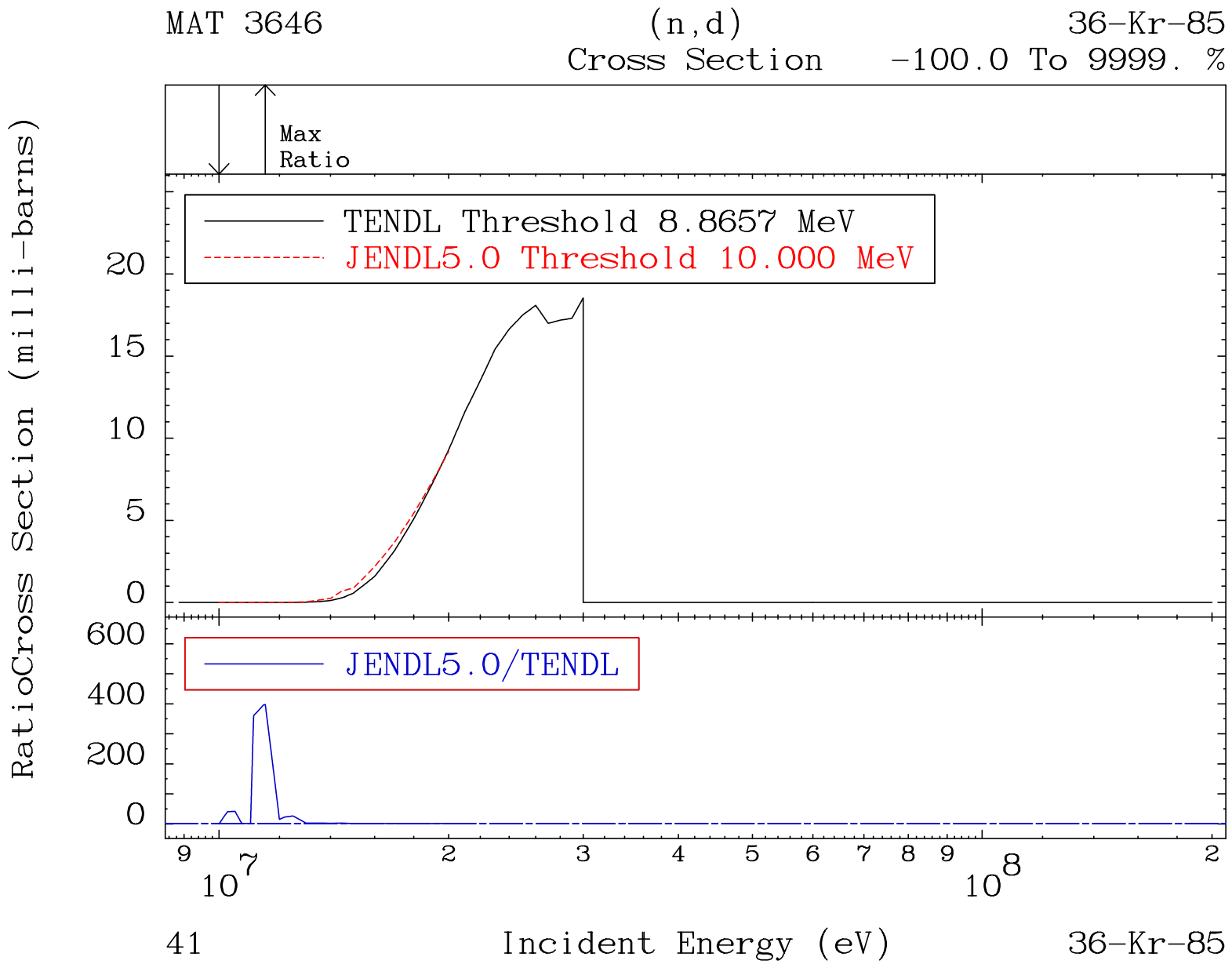

MAT 3646
MT= 78 (n,n') Level
36-Kr-85
Cross Section -100.0 To 540.1 %
Min Ratio
Max Ratio
TENDL Threshold 2.5644 MeV
JENDL5.0 Threshold 2.6043 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
8
4
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
36
Incident Energy (eV)
36-Kr-85

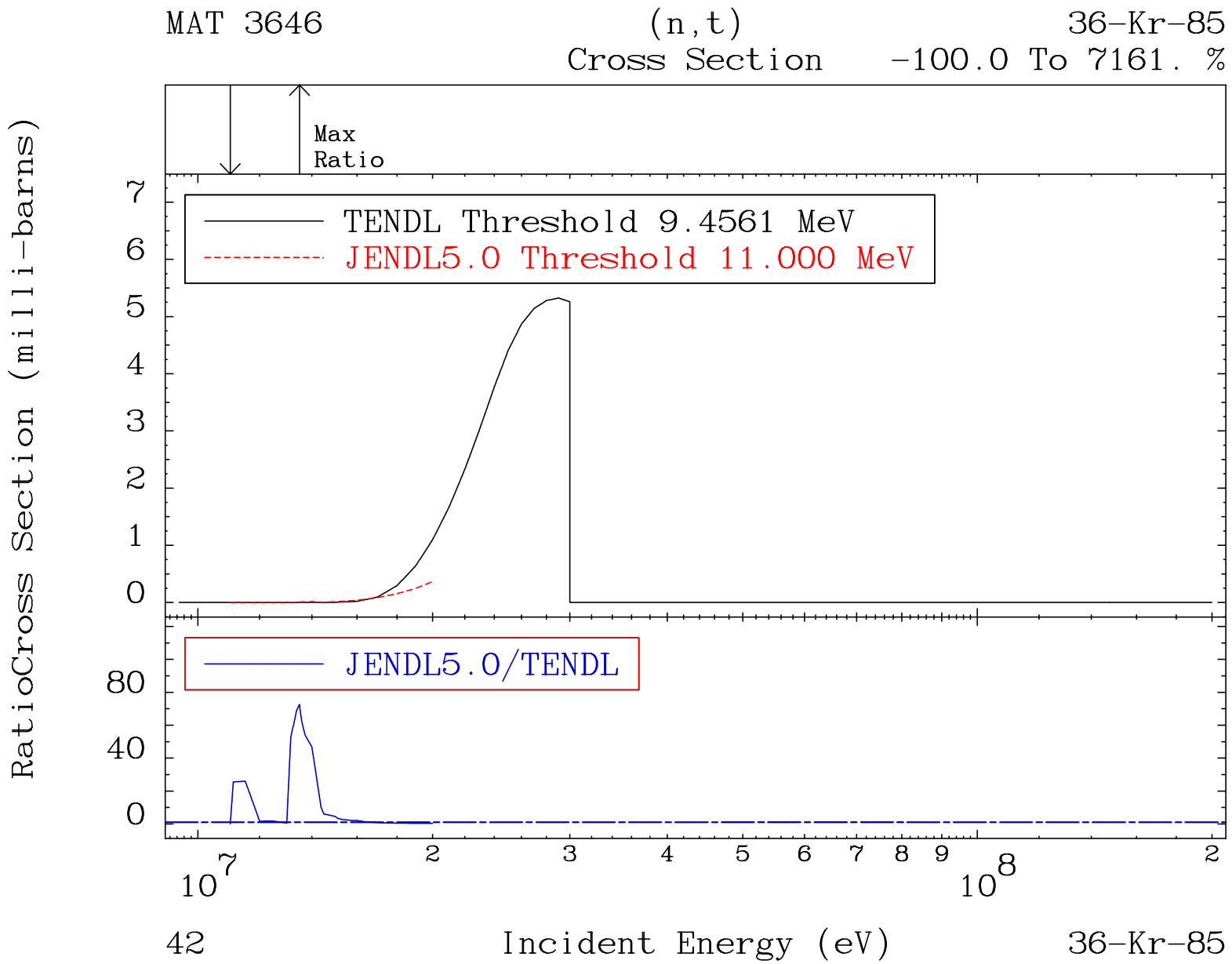

MAT 3646
MT= 79 (n,n') Level
36-Kr-85
Cross Section
-100.0 To 833.0 %
Min Ratio
Max Ratio
TENDL Threshold 2.6043 MeV
JENDL5.0 Threshold 2.6238 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
12
6
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
37
Incident Energy (eV)
36-Kr-85

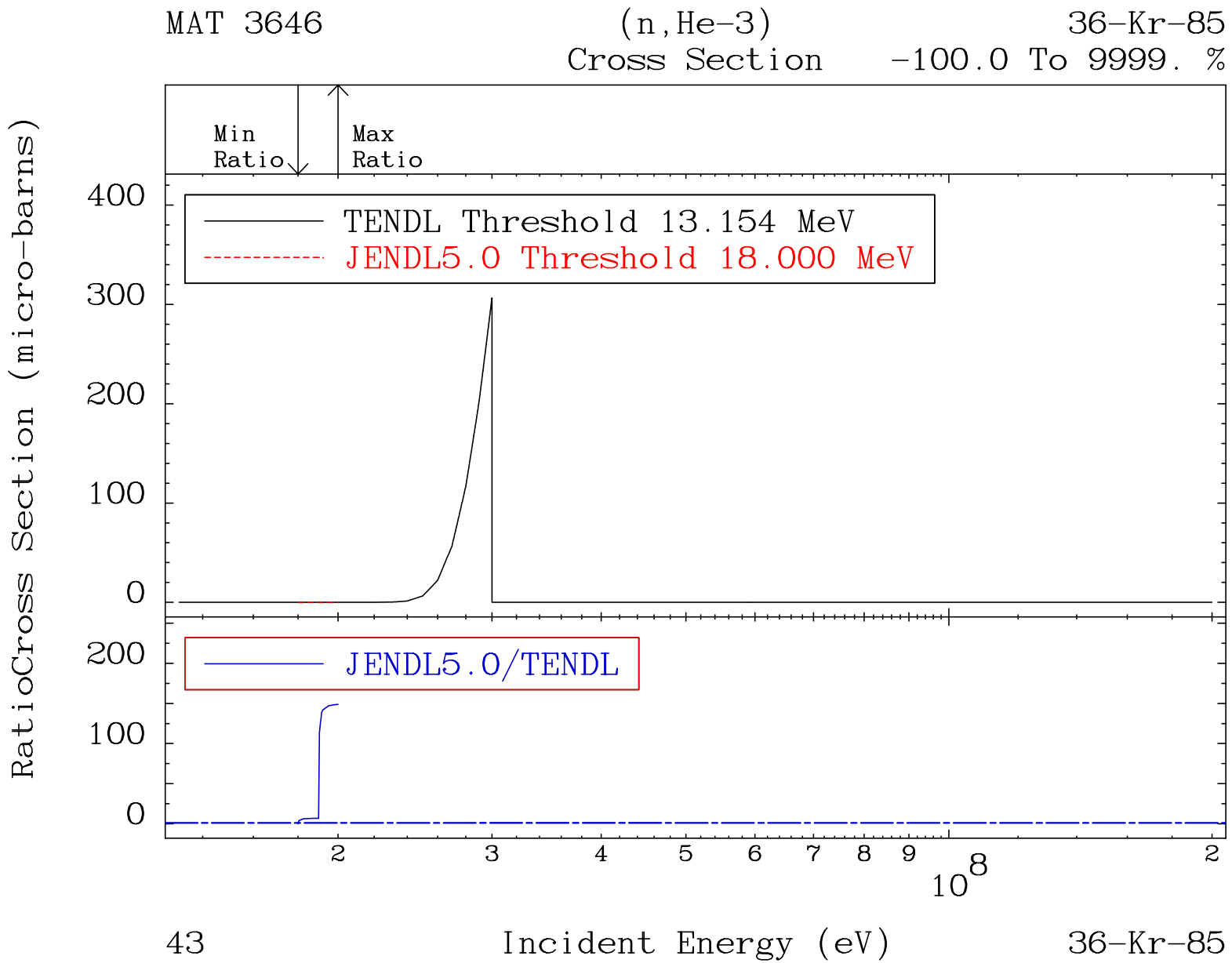

MAT 3646
(n,n') Continuum
Cross Section
36-Kr-85
-100.0 To 18.77 %
Min Ratio
Max Ratio
TENDL Threshold 2.6043 MeV
JENDL5.0 Threshold 2.6781 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
38
Incident Energy (eV)
36-Kr-85

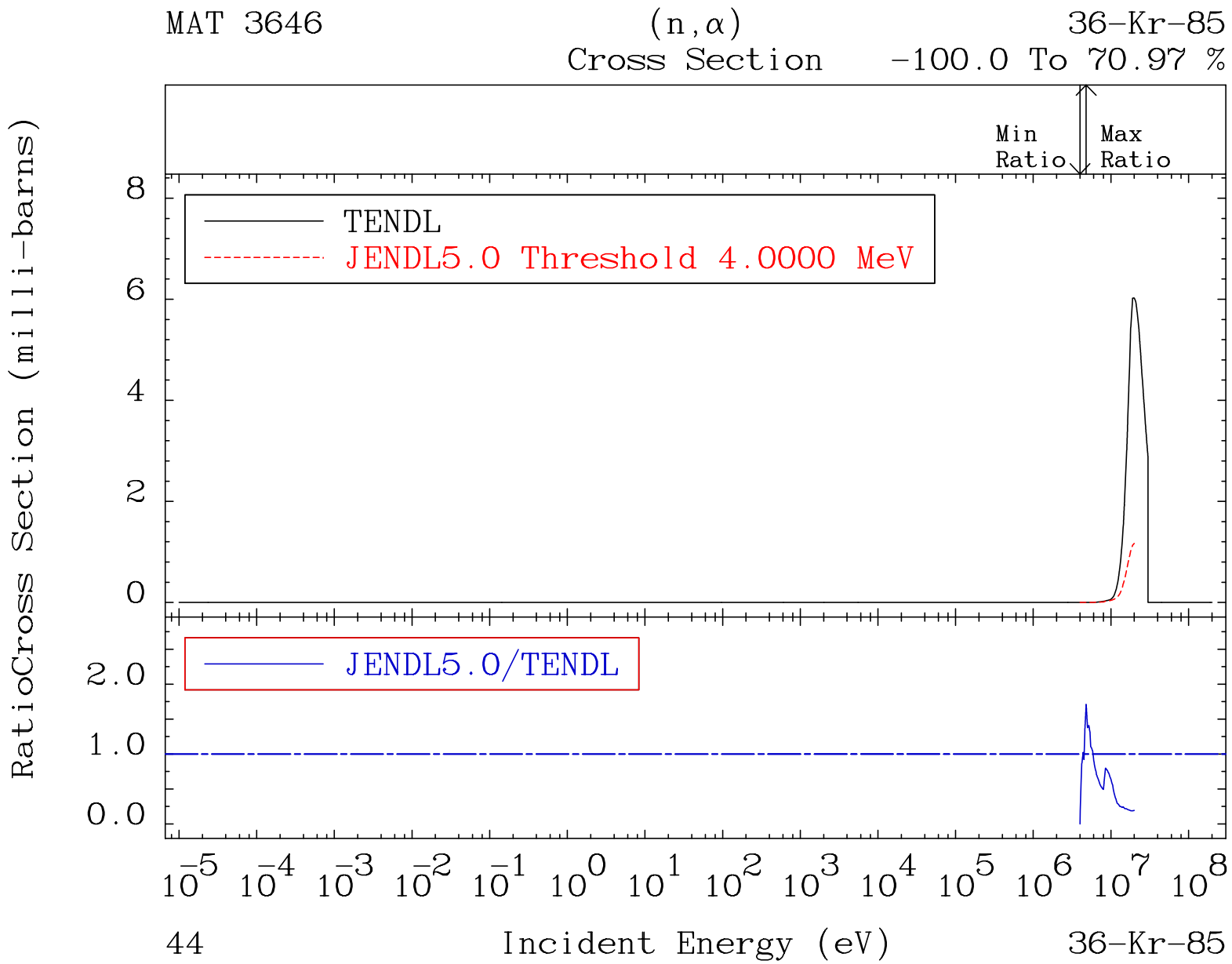

MAT 3646
(n,γ)
Cross Section
36-Kr-85
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
39
36-Kr-85

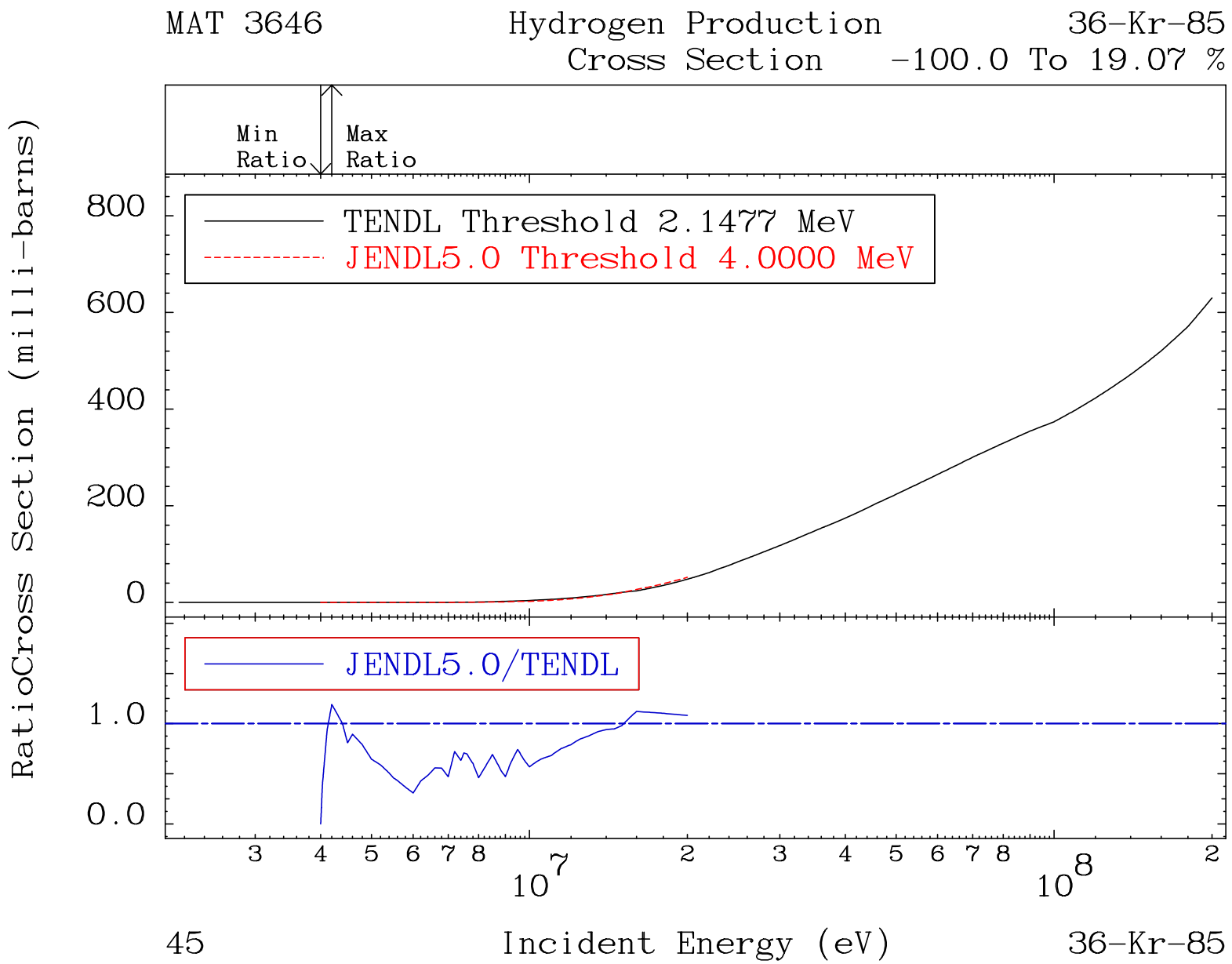

MAT 3646
(n,p)
36-Kr-85
Cross Section
-100.0 To 19.07 %
Min Ratio
Max Ratio
TENDL Threshold 2.1477 MeV
JENDL5.0 Threshold 4.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
40
Incident Energy (eV)
36-Kr-85

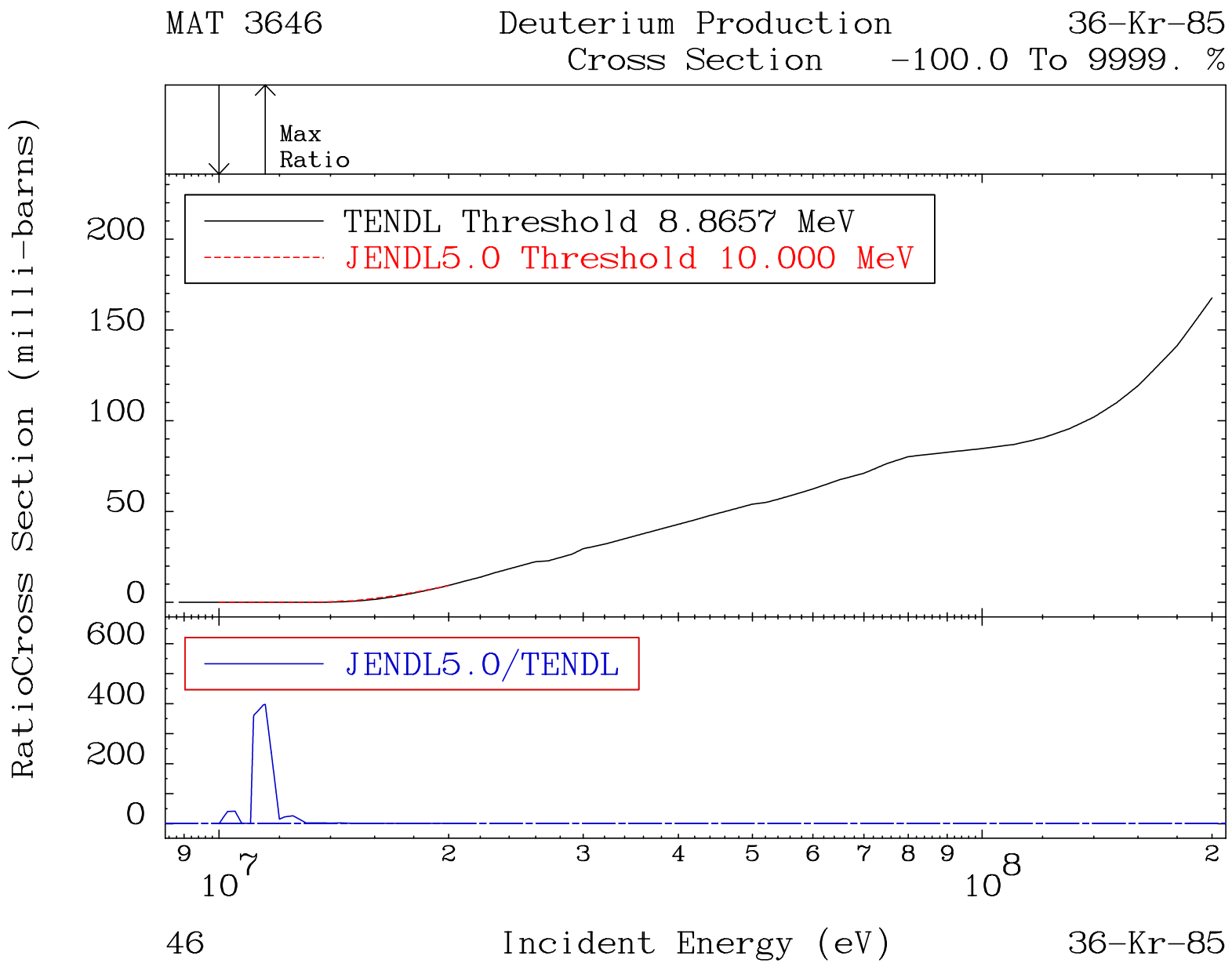

MAT 3646
(n,d)
Cross Section
36-Kr-85
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 8.8657 MeV
JENDL5.0 Threshold 10.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
600
400
200
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
41
Incident Energy (eV)
36-Kr-85

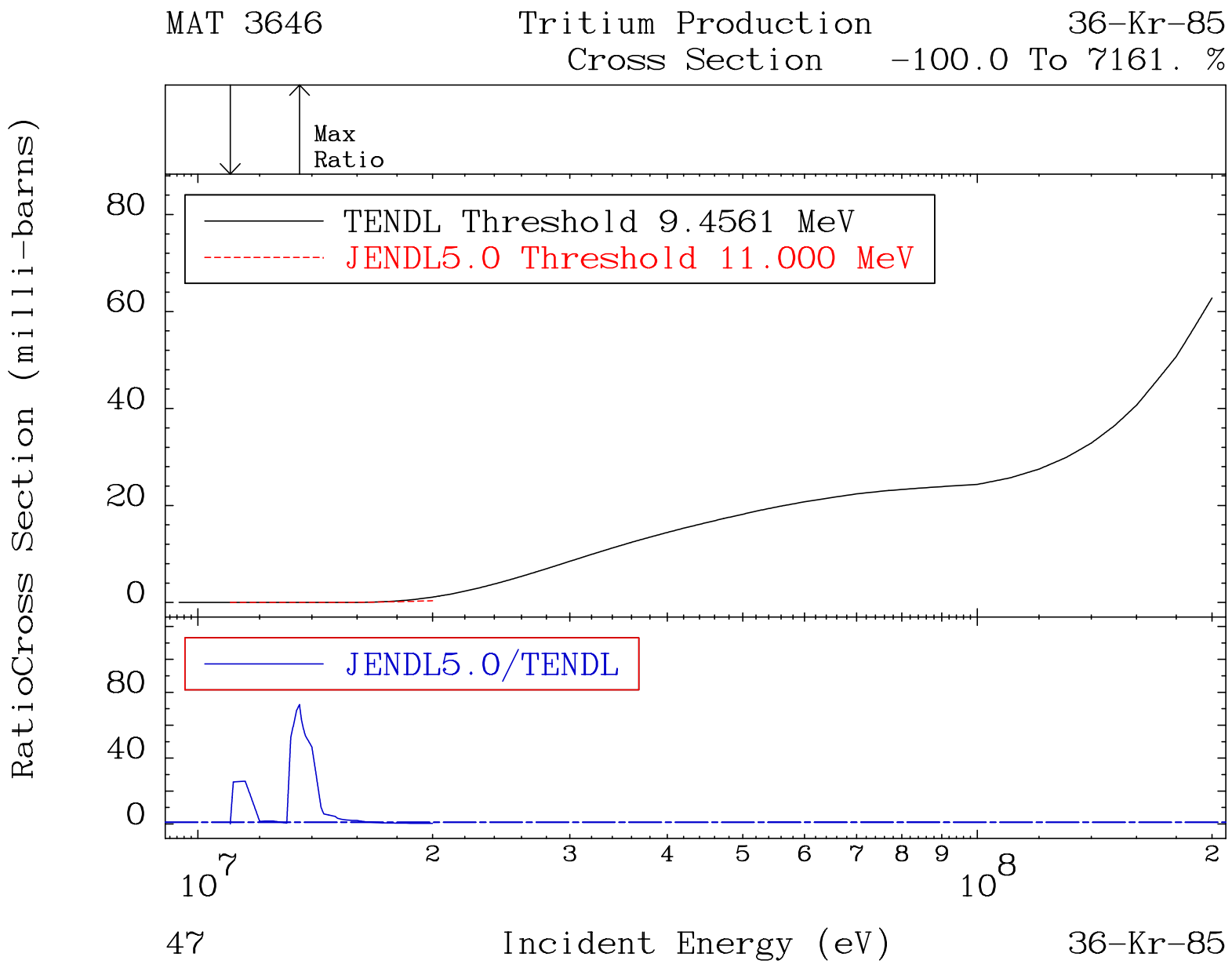

MAT 3646
(n,t)
Cross Section
36-Kr-85
-100.0 To 7161. %
Max
Ratio
TENDL Threshold 9.4561 MeV
JENDL5.0 Threshold 11.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
7
6
5
4
3
2
1
0
80
40
0
10^7
2
3
4
5
6
7
8
9
10^8
2
42
Incident Energy (eV)
36-Kr-85

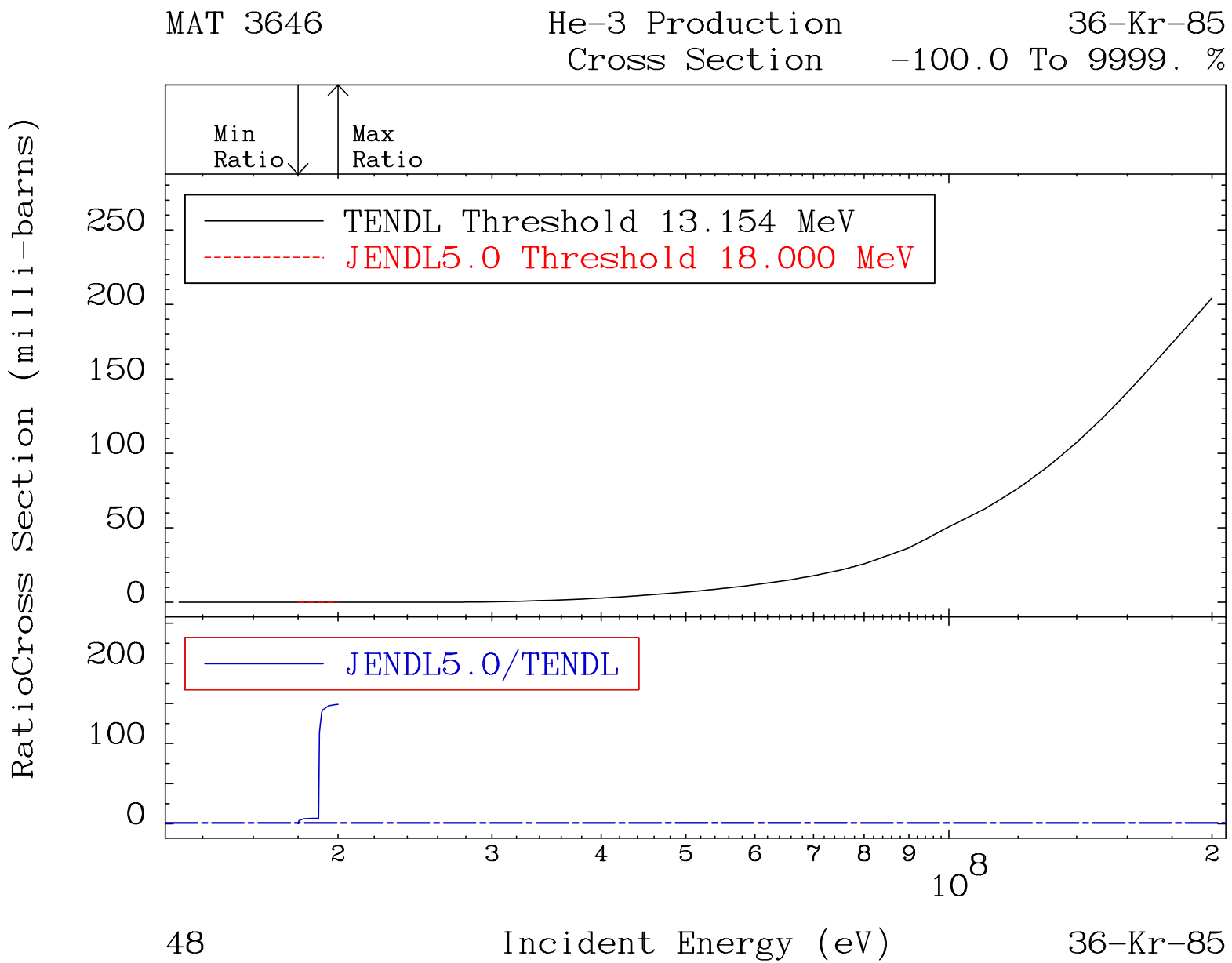

MAT 3646
(n,He-3)
Cross Section
36-Kr-85
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 13.154 MeV
JENDL5.0 Threshold 18.000 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
400
300
200
100
0
200
100
0
2
3
4
5
6
7
8
9
10^8
2
43
Incident Energy (eV)
36-Kr-85

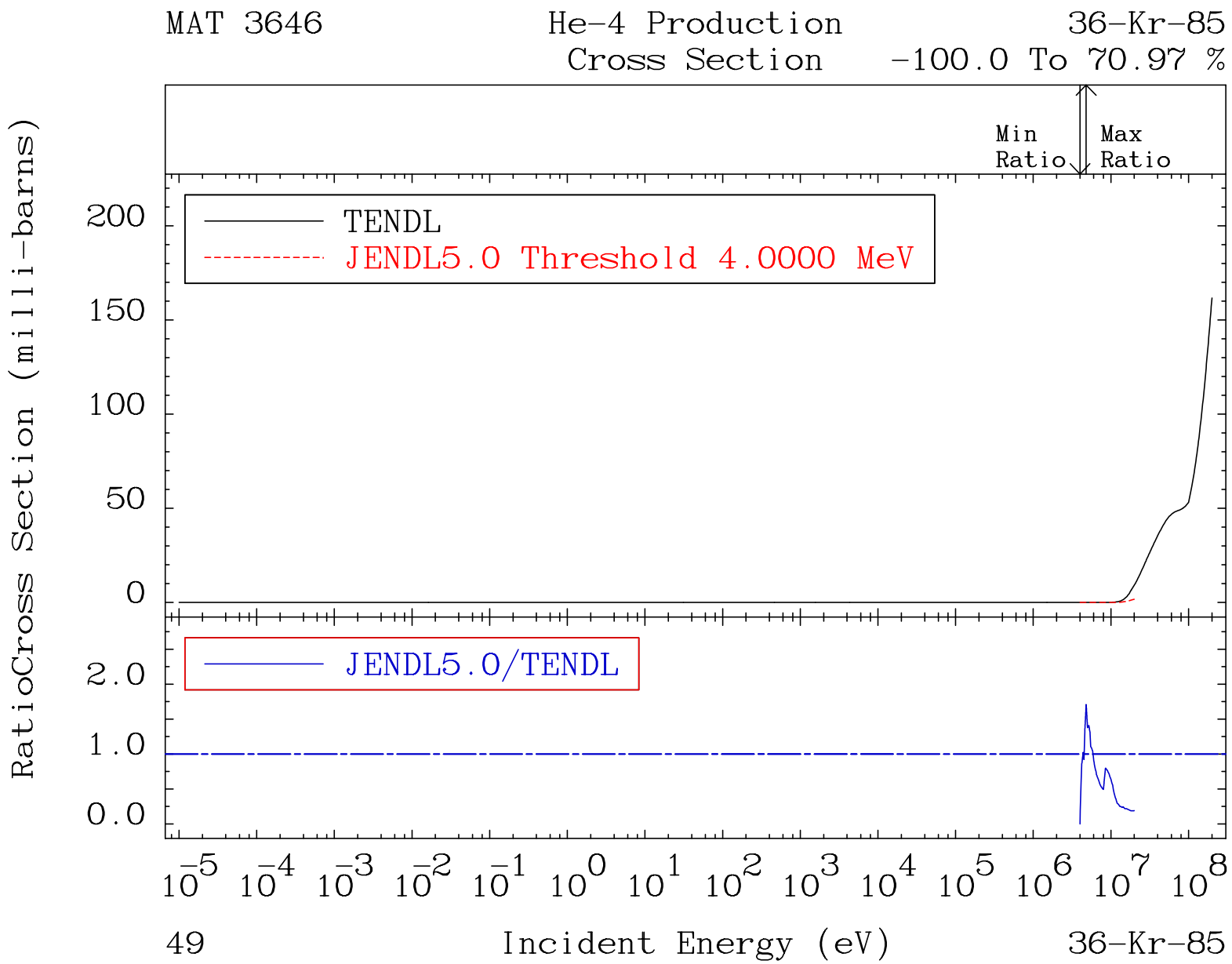

MAT 3646
(n,α)
Cross Section
36-Kr-85
-100.0 To 70.97 %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 4.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
44
36-Kr-85

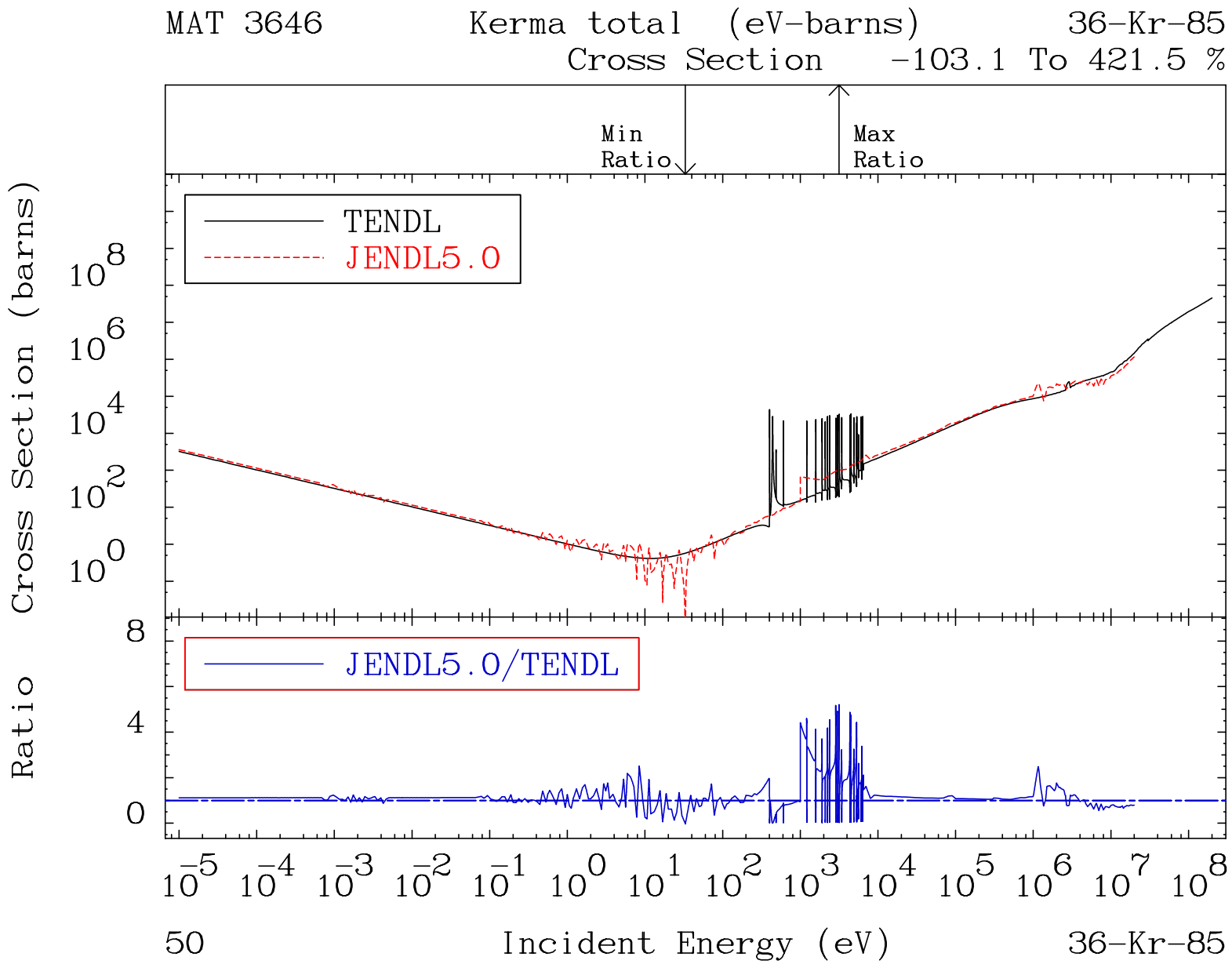

MAT 3646
Hydrogen Production
36-Kr-85
Cross Section -100.0 To 19.07 %
Min Ratio
Max Ratio
TENDL Threshold 2.1477 MeV
JENDL5.0 Threshold 4.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
45
Incident Energy (eV)
36-Kr-85

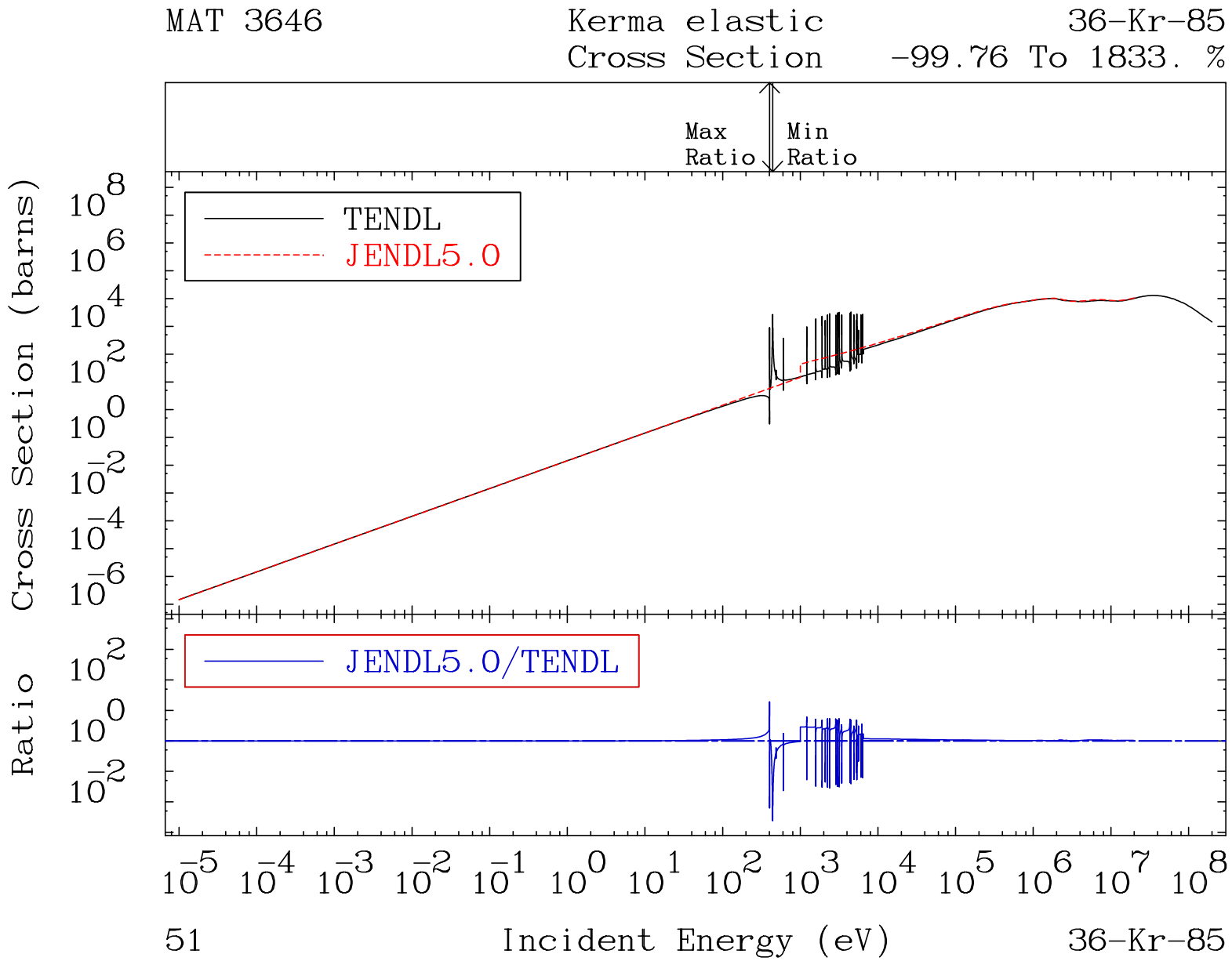

MAT 3646
Deuterium Production
36-Kr-85
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 8.8657 MeV
JENDL5.0 Threshold 10.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
600
400
200
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
46
Incident Energy (eV)
36-Kr-85

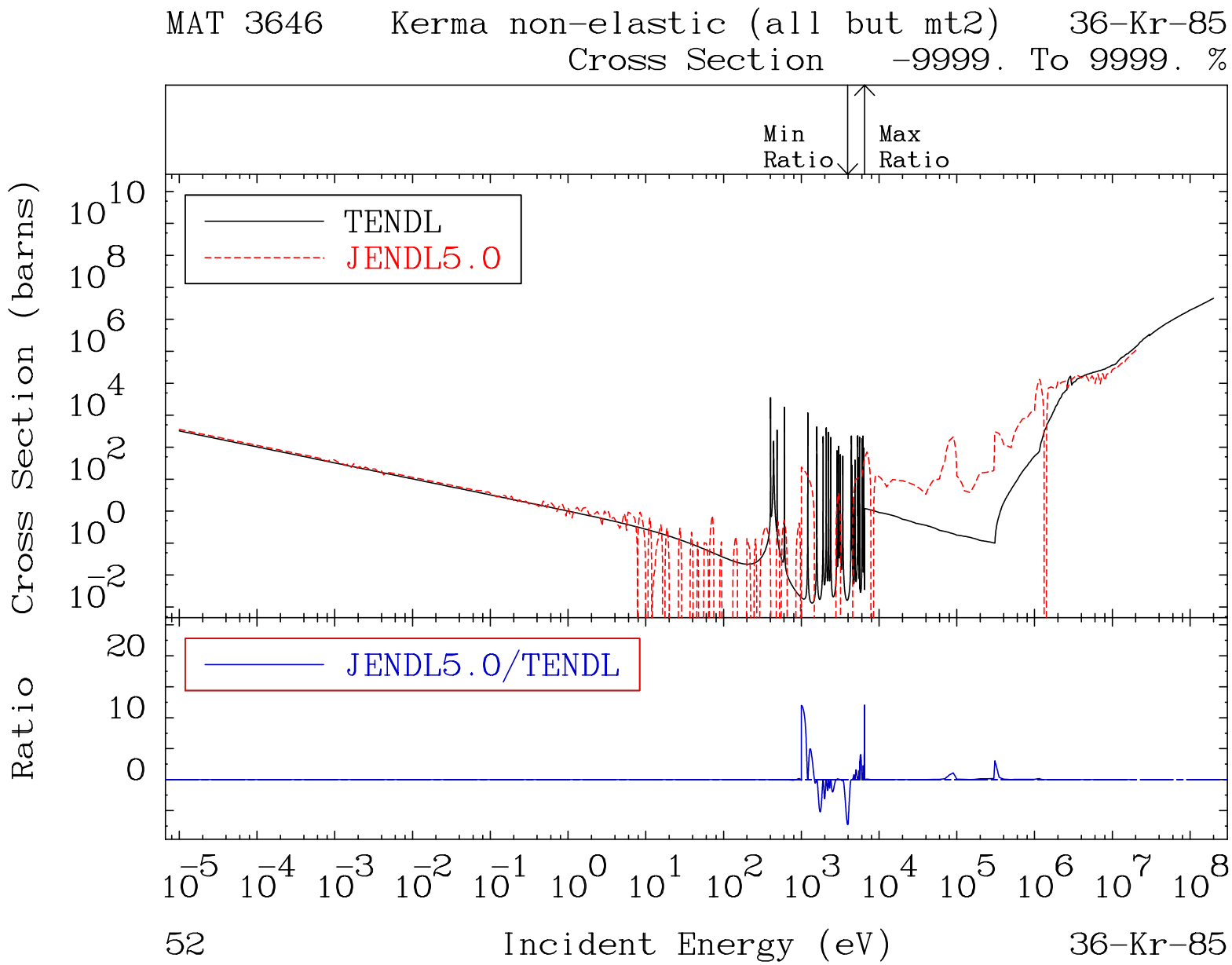

MAT 3646
Tritium Production
36-Kr-85
Cross Section
-100.0 To 7161. %
Max
Ratio
TENDL Threshold 9.4561 MeV
JENDL5.0 Threshold 11.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
80
40
0
10^7
2
3
4
5
6
7
8
9
10^8
2
47
Incident Energy (eV)
36-Kr-85

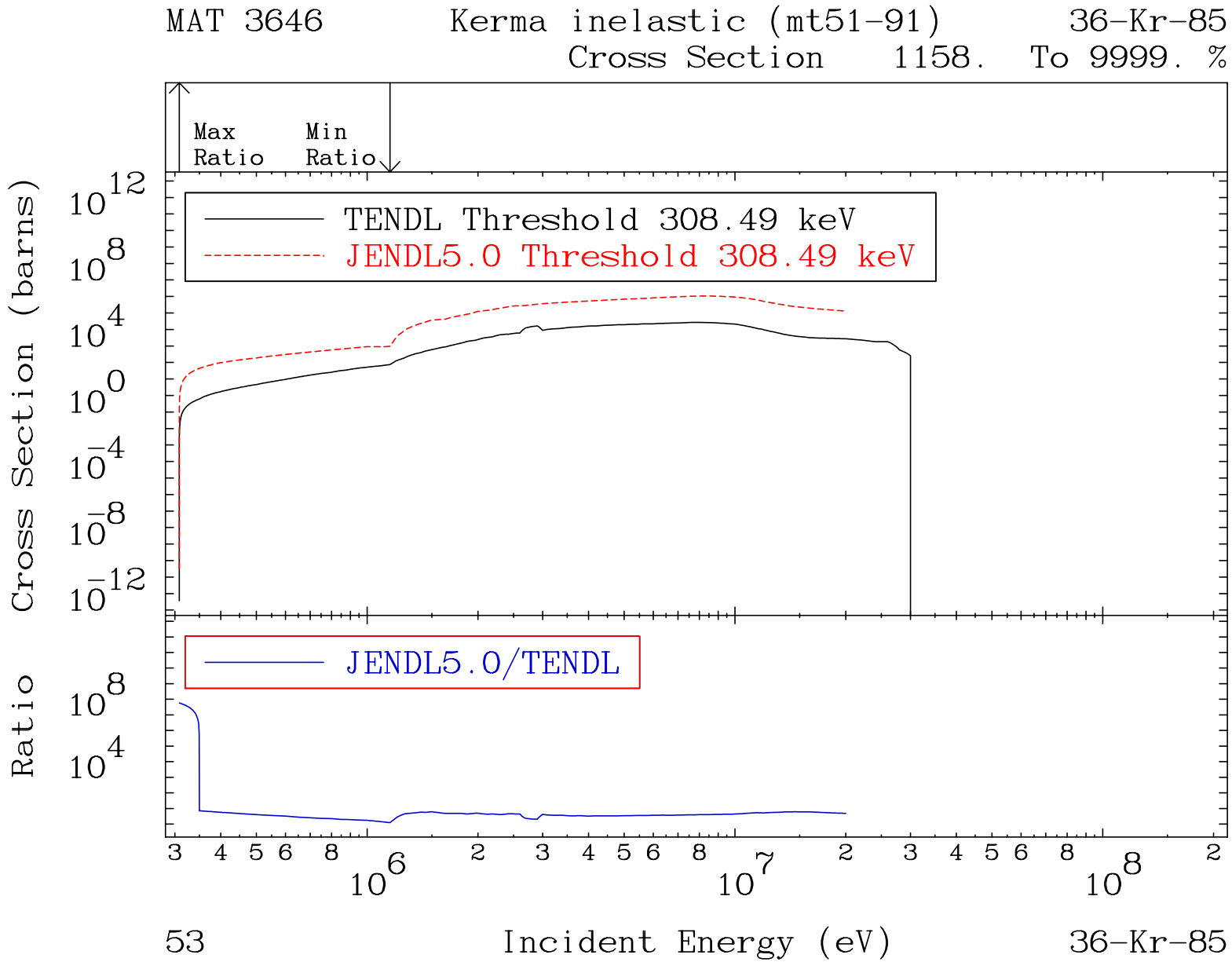

MAT 3646
He-3 Production
Cross Section
36-Kr-85
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 13.154 MeV
JENDL5.0 Threshold 18.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
200
100
0
2
3
4
5
6
7
8
9
10^8
2
48
Incident Energy (eV)
36-Kr-85

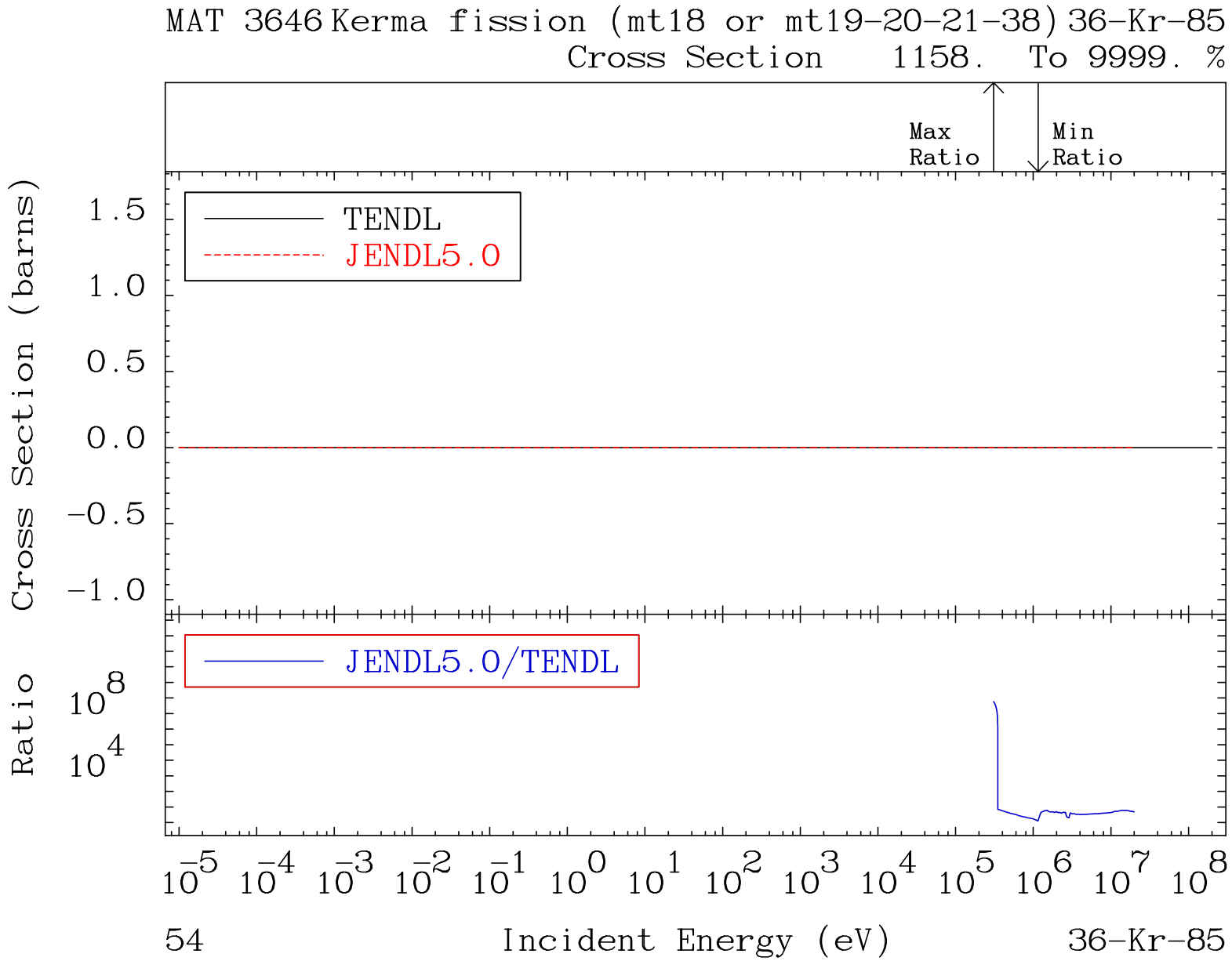

MAT 3646
He-4 Production
Cross Section
36-Kr-85
-100.0 To 70.97 %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 4.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
49
Incident Energy (eV)
36-Kr-85

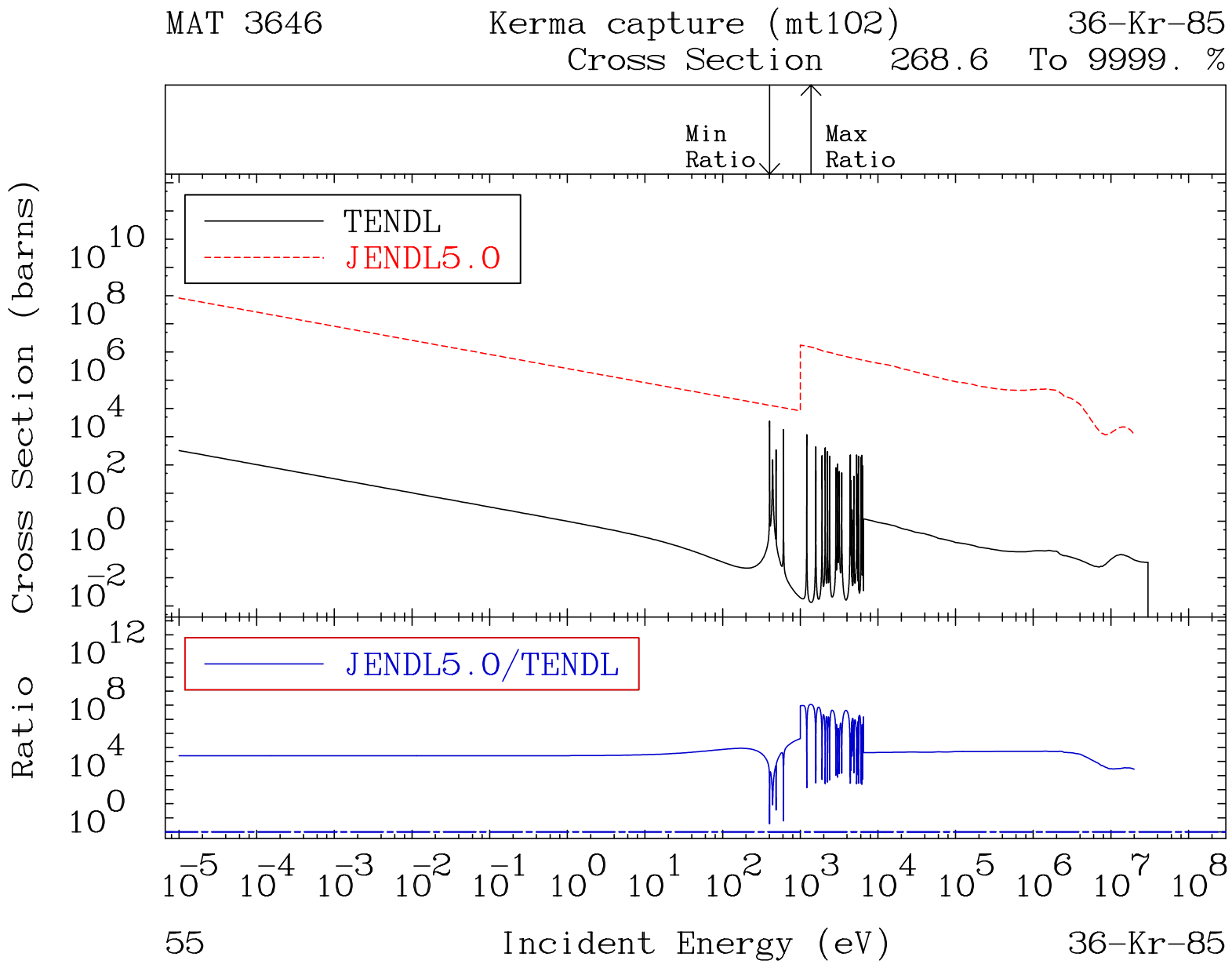

MAT 3646
Kerma total (eV-barns)
36-Kr-85
Cross Section -103.1 To 421.5 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
50
36-Kr-85

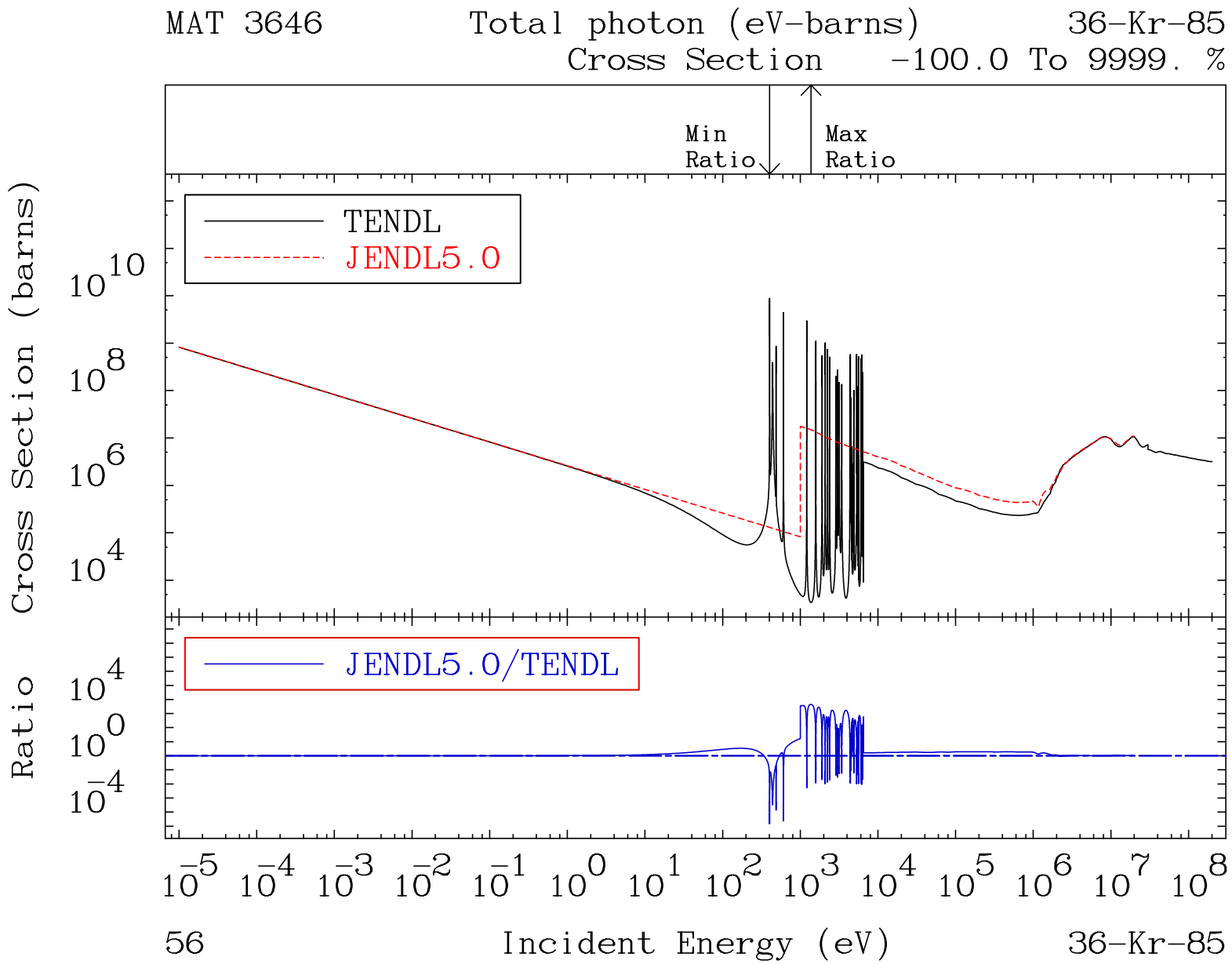

MAT 3646
Kerma elastic
Cross Section
36-Kr-85
-99.76 To 1833. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
36-Kr-85

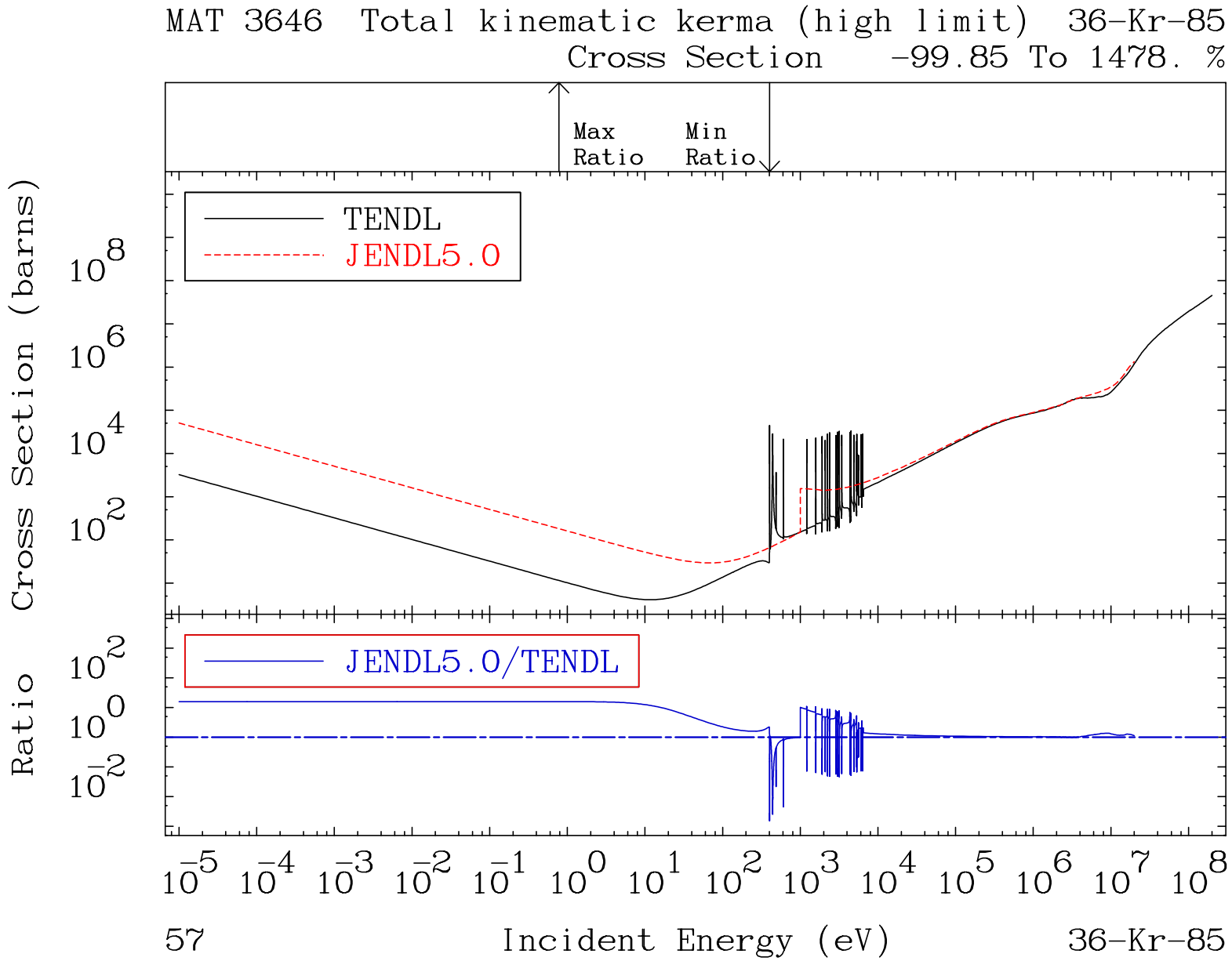

MAT 3646 Kerma non-elastic (all but mt2) 36-Kr-85
Cross Section -9999. To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
52
36-Kr-85

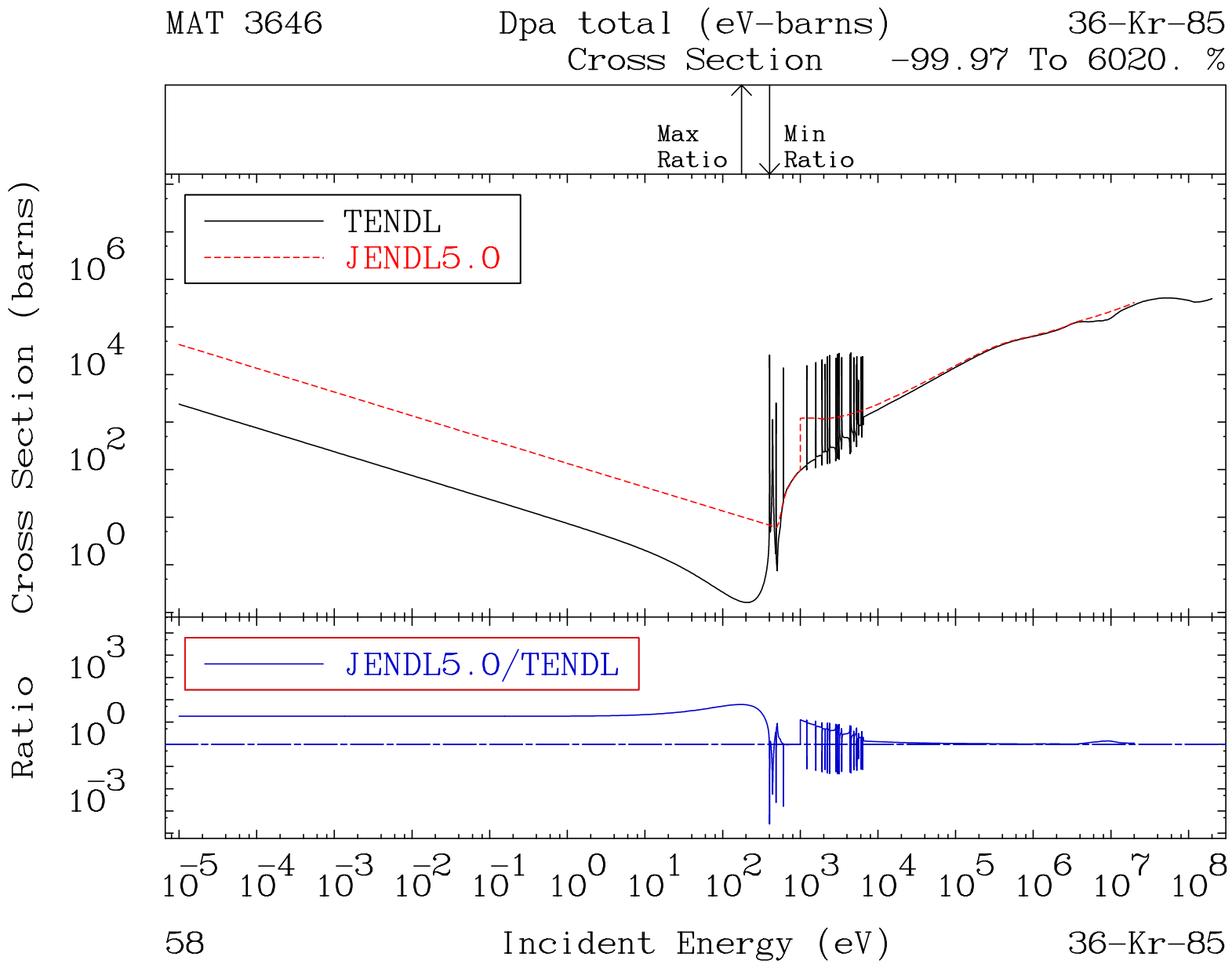

MAT 3646
Kerma inelastic (mt51-91)
36-Kr-85
Cross Section 1158. To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 308.49 keV
JENDL5.0 Threshold 308.49 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
36-Kr-85

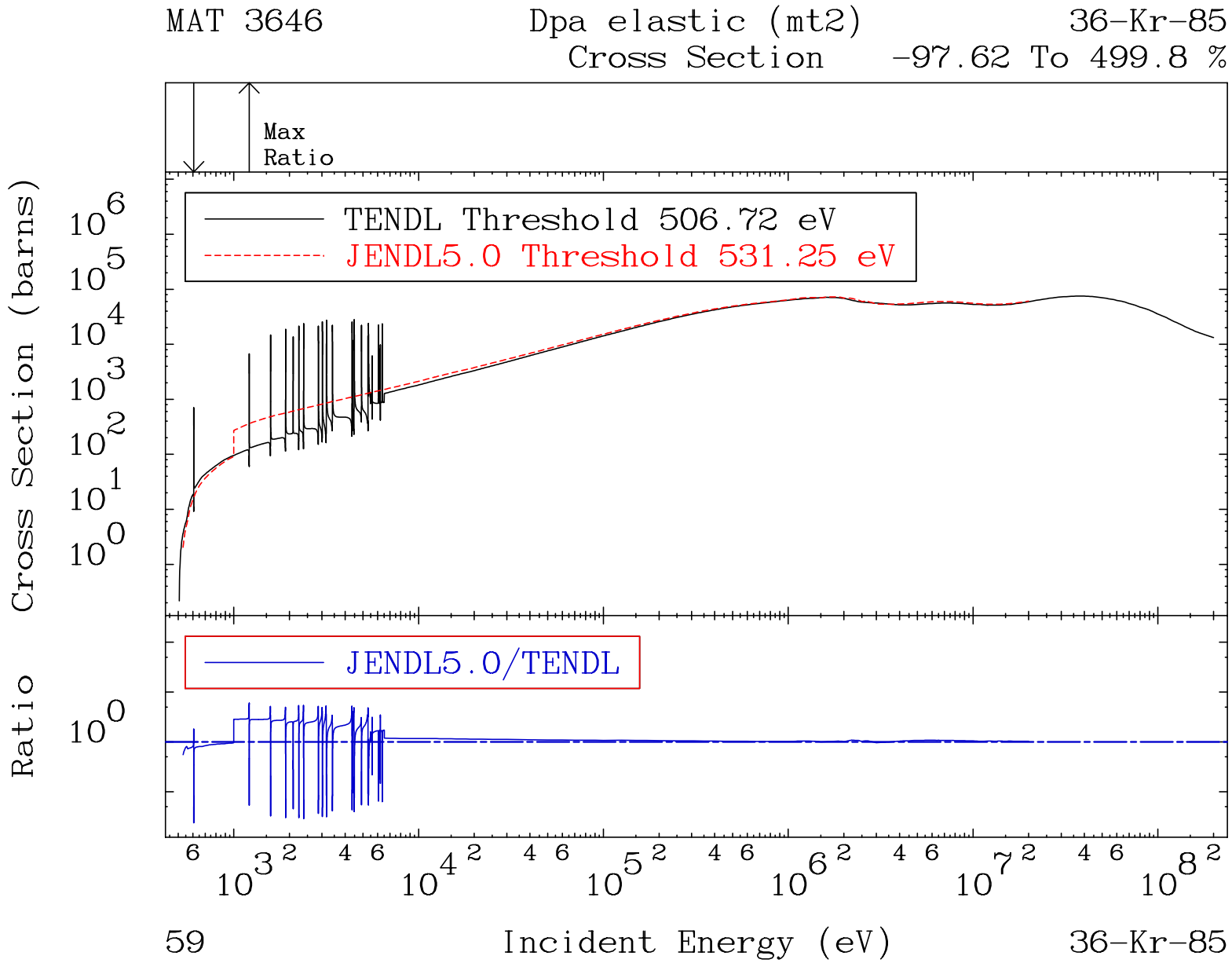

MAT 3646 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-85
Cross Section 1158. To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{8}
10^{4}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
54
Incident Energy (eV)
36-Kr-85

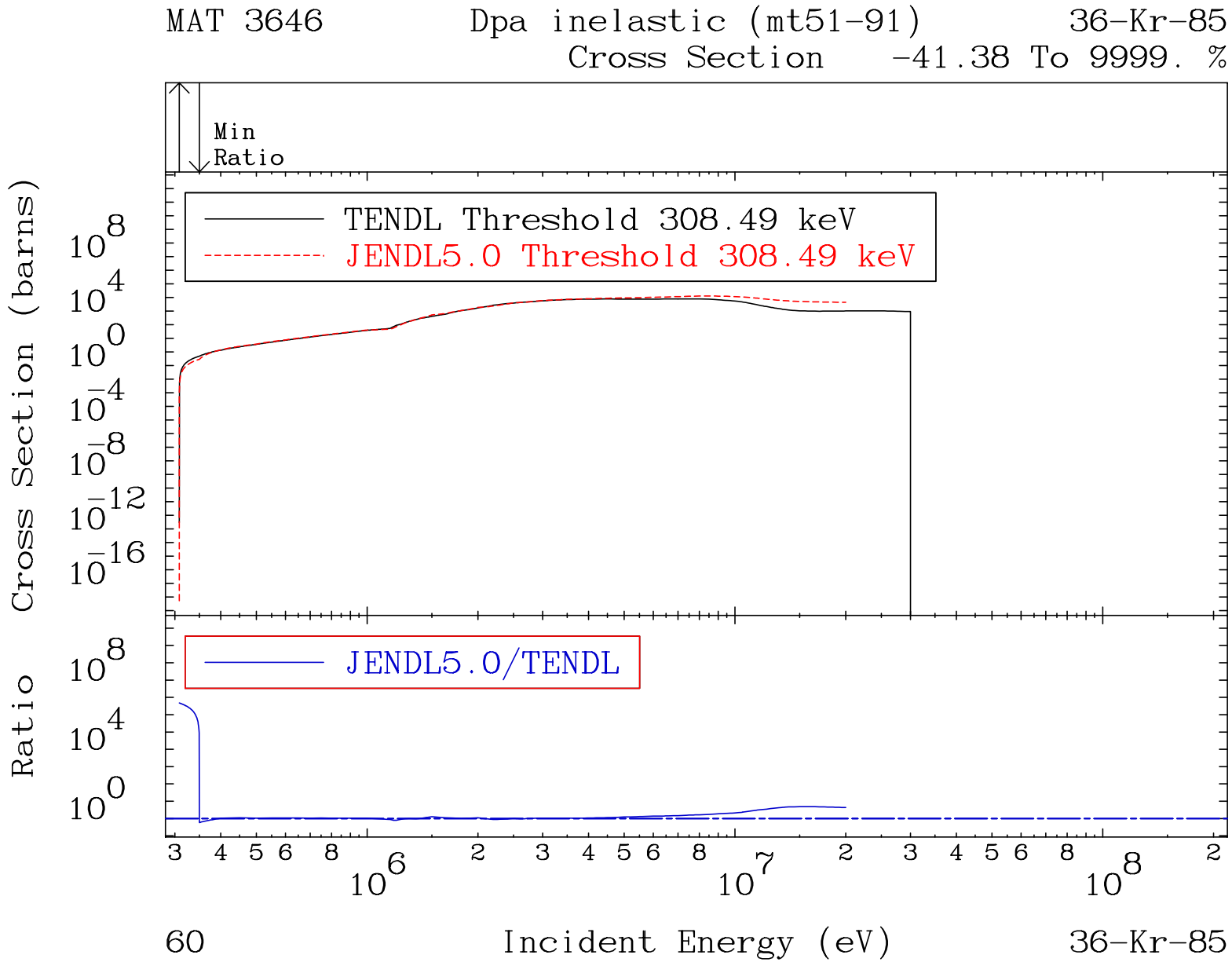

MAT 3646
Kerma capture (mt102)
36-Kr-85
Cross Section 268.6 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
36-Kr-85

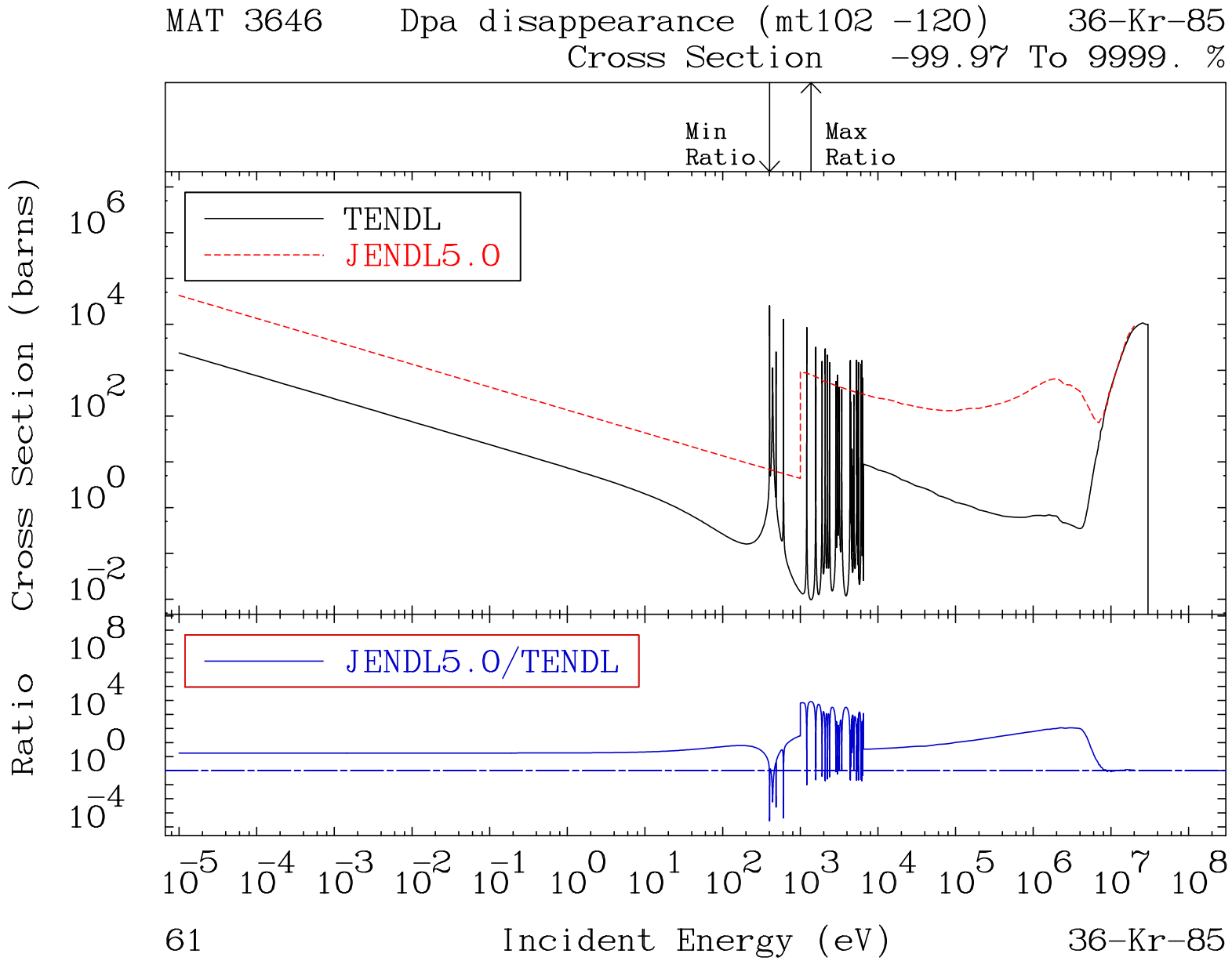

MAT 3646
Total photon (eV-barns)
36-Kr-85
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
56
36-Kr-85

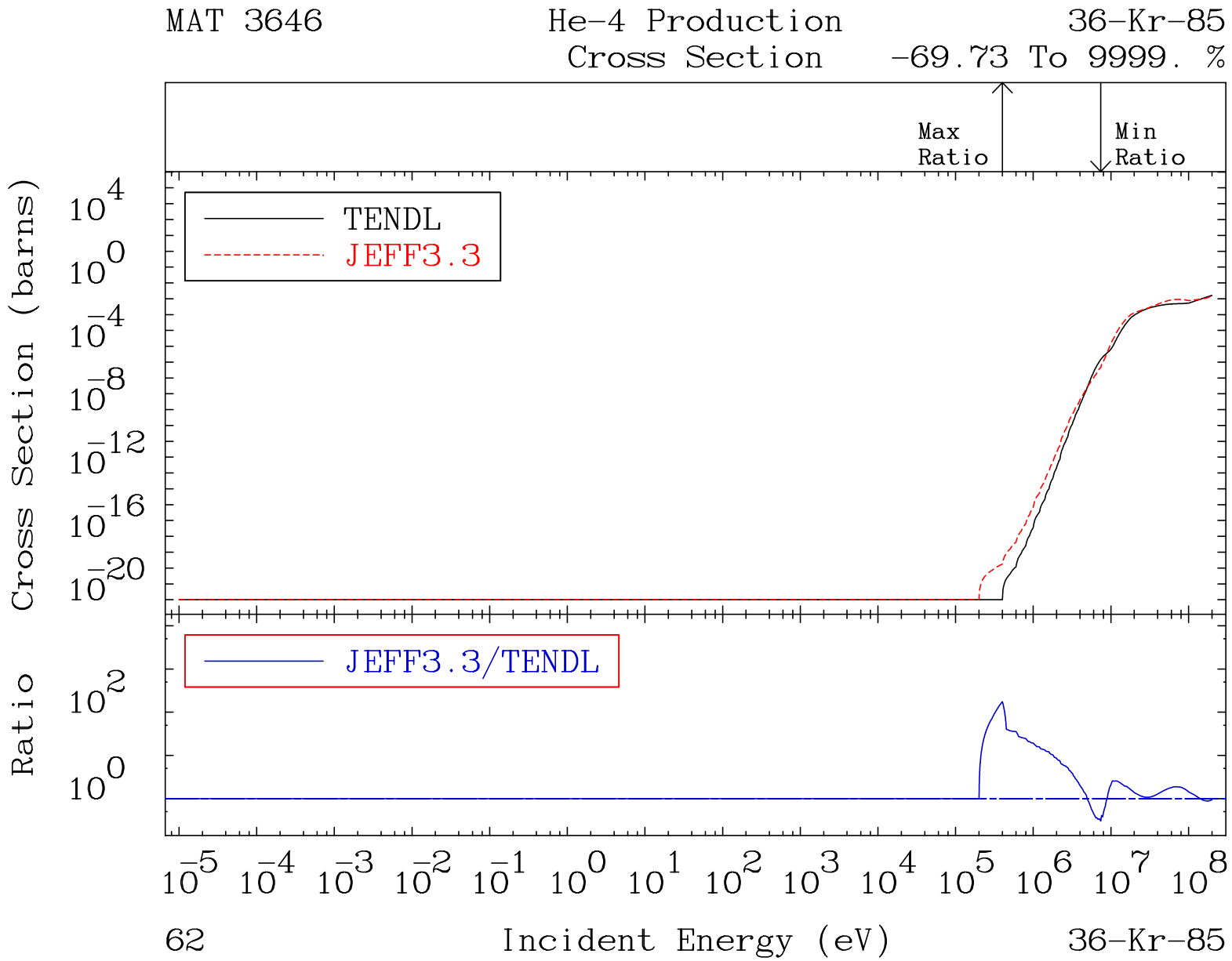

MAT 3646 Total kinematic kerma (high limit) 36-Kr-85
Cross Section -99.85 To 1478. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
57
36-Kr-85

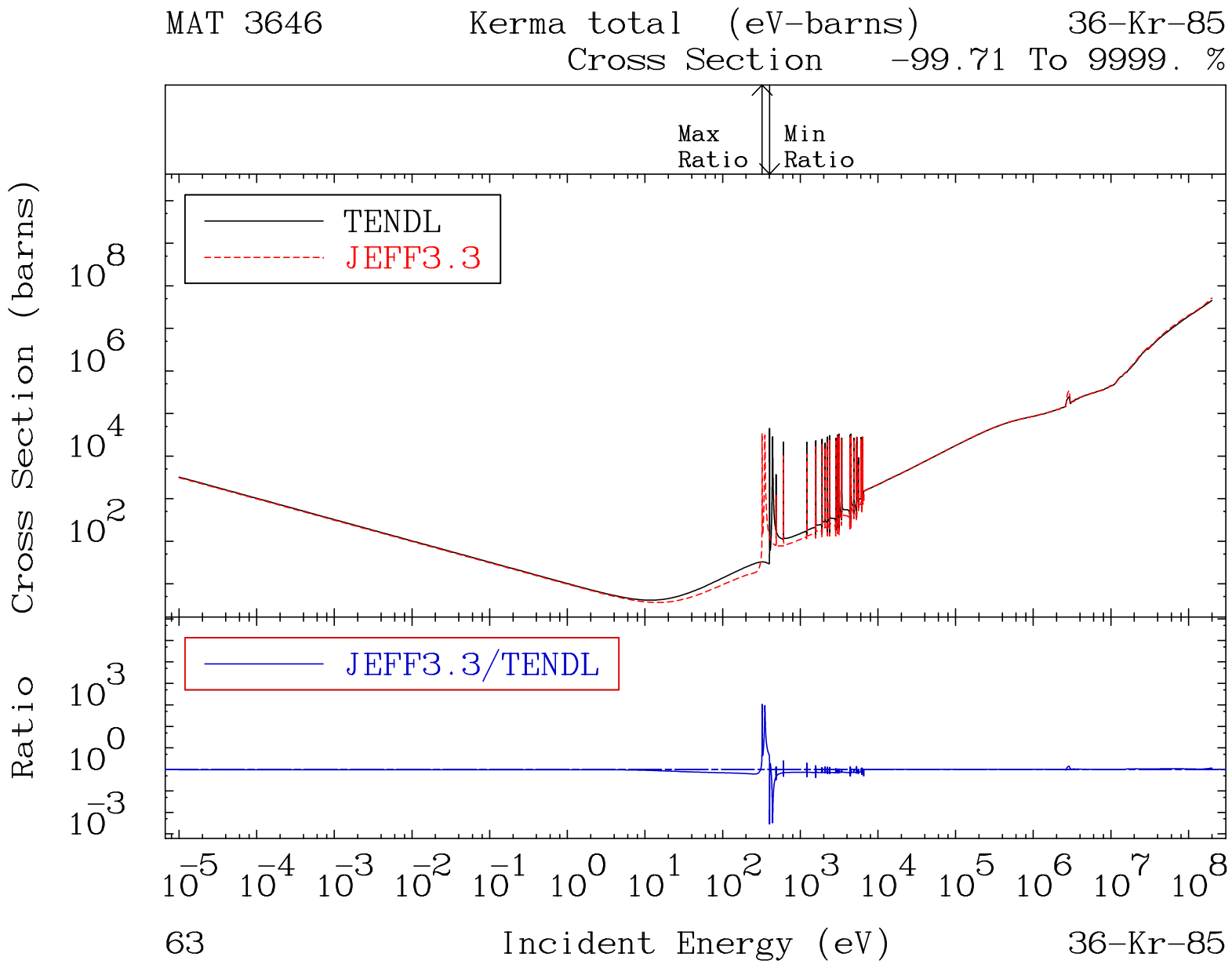

MAT 3646
Dpa total (eV-barns)
36-Kr-85
Cross Section
-99.97 To 6020. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
36-Kr-85

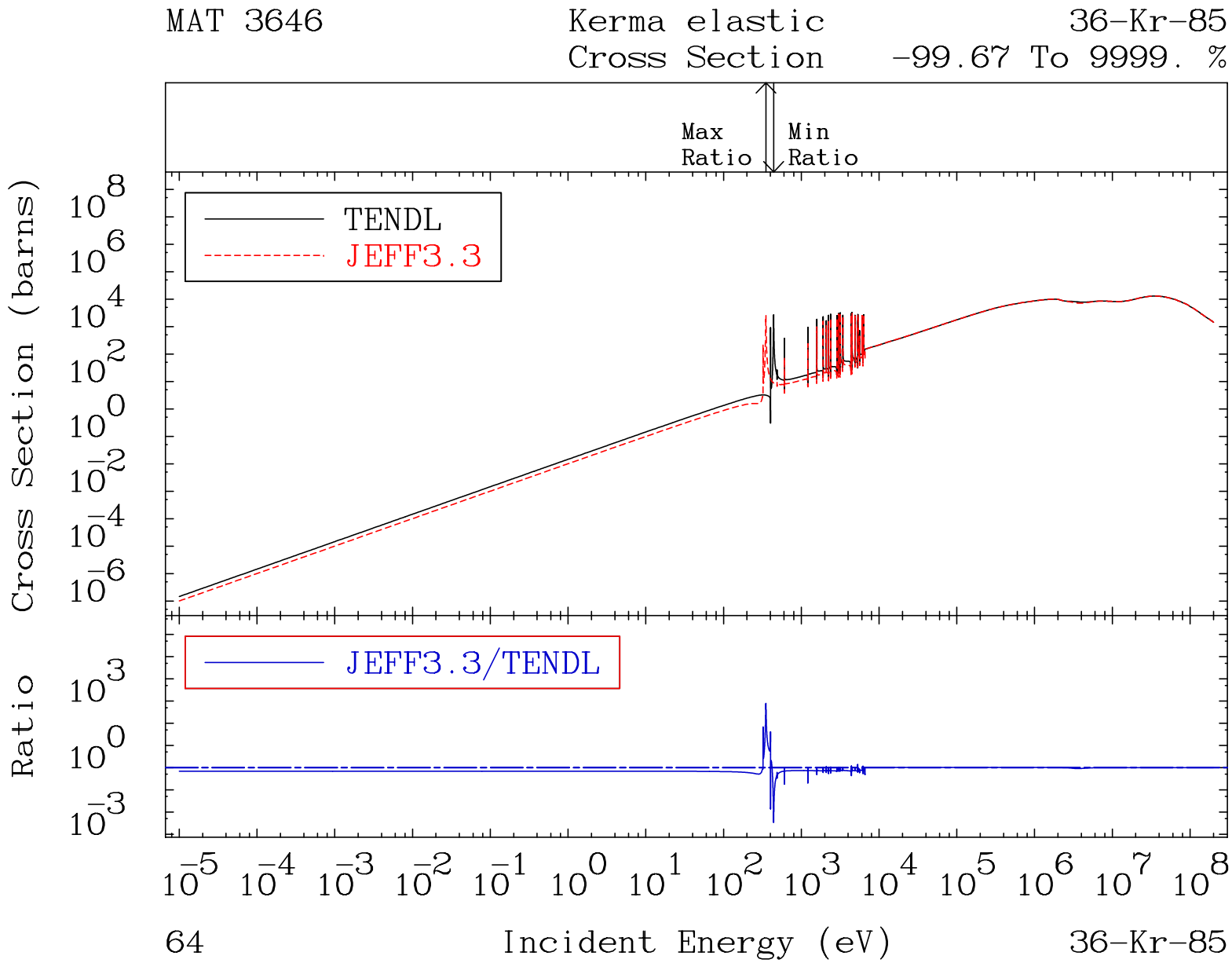

MAT 3646
Dpa elastic (mt2)
Cross Section
36-Kr-85
-97.62 To 499.8 %
Max
Ratio
TENDL Threshold 506.72 eV
JENDL5.0 Threshold 531.25 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
36-Kr-85

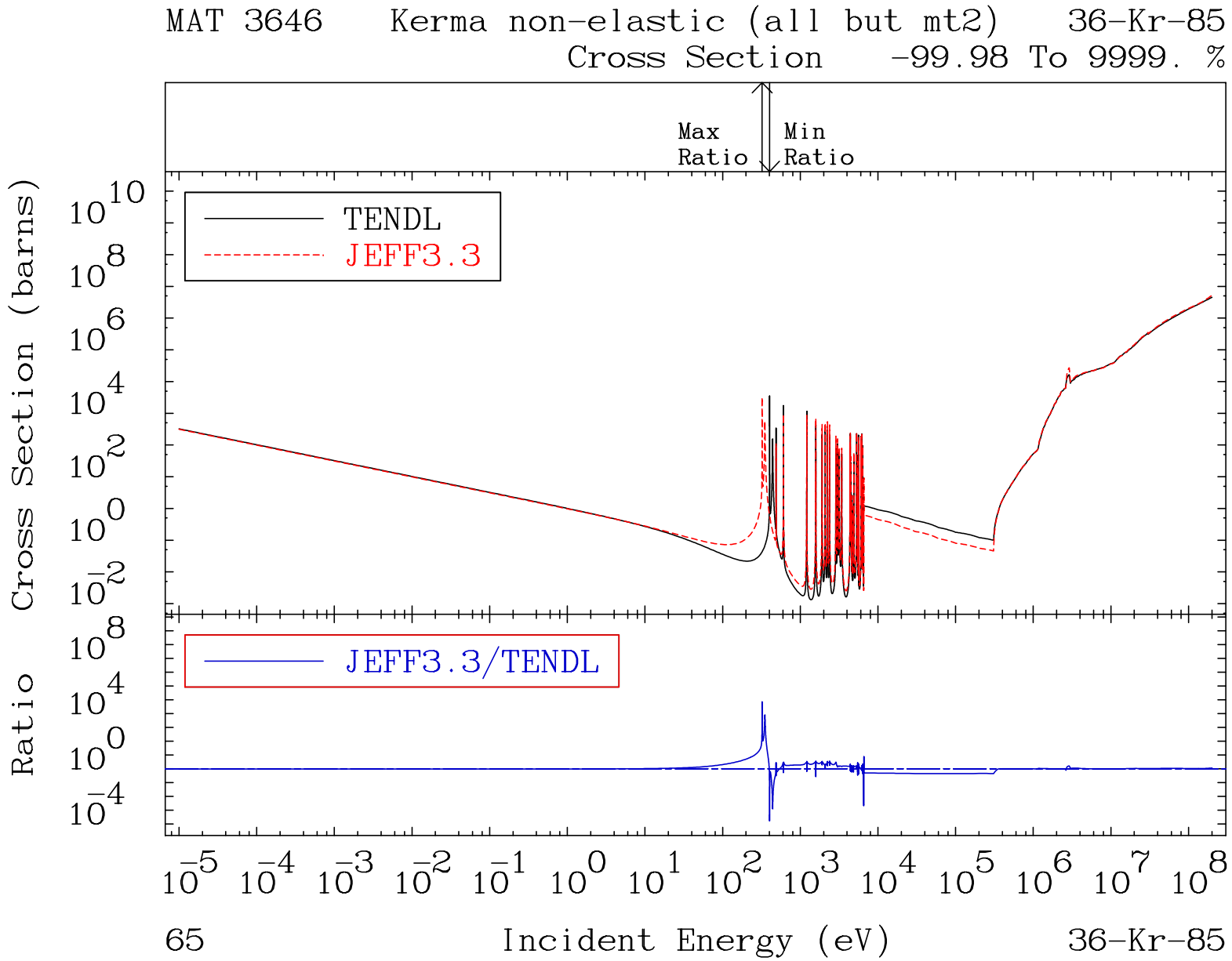

MAT 3646
Dpa inelastic (mt51-91)
36-Kr-85
Cross Section -41.38 To 9999. %
Min
Ratio
TENDL Threshold 308.49 keV
JENDL5.0 Threshold 308.49 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
60
36-Kr-85

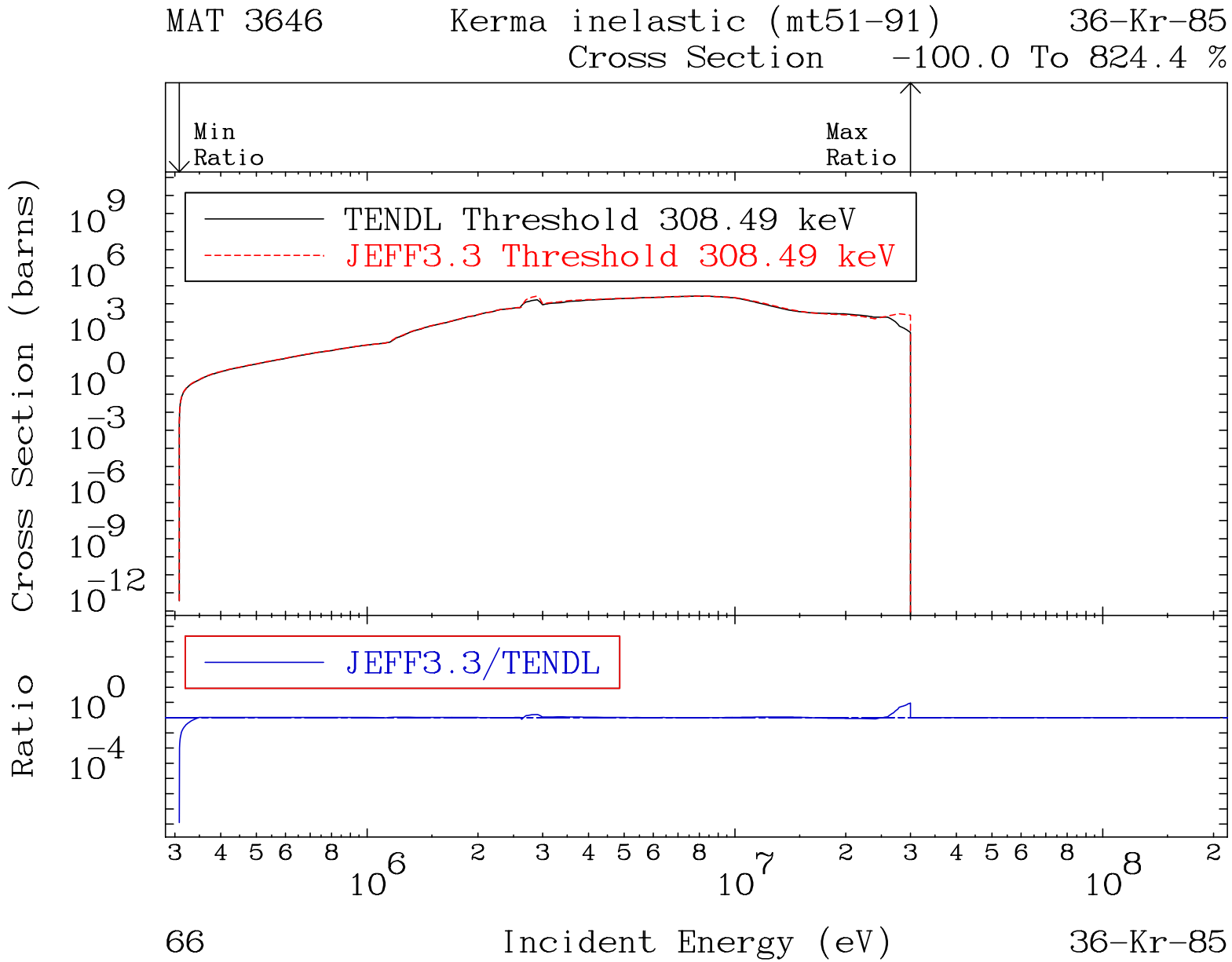

MAT 3646 Dpa disappearance (mt102 -120) 36-Kr-85
Cross Section -99.97 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Ratio Cross Section (barns)
Incident Energy (eV)
61
36-Kr-85

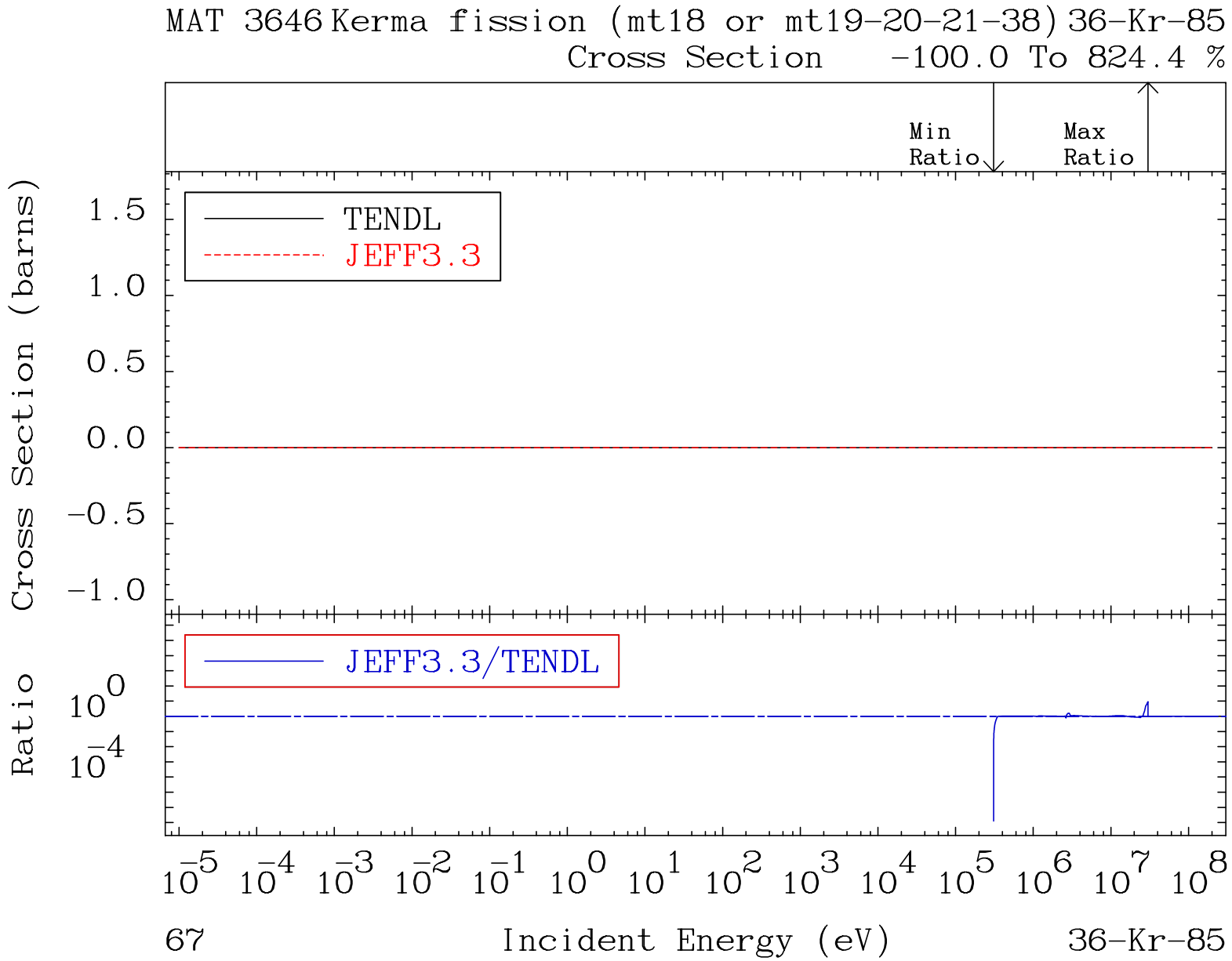

MAT 3646
He-4 Production
Cross Section
36-Kr-85
-69.73 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
36-Kr-85

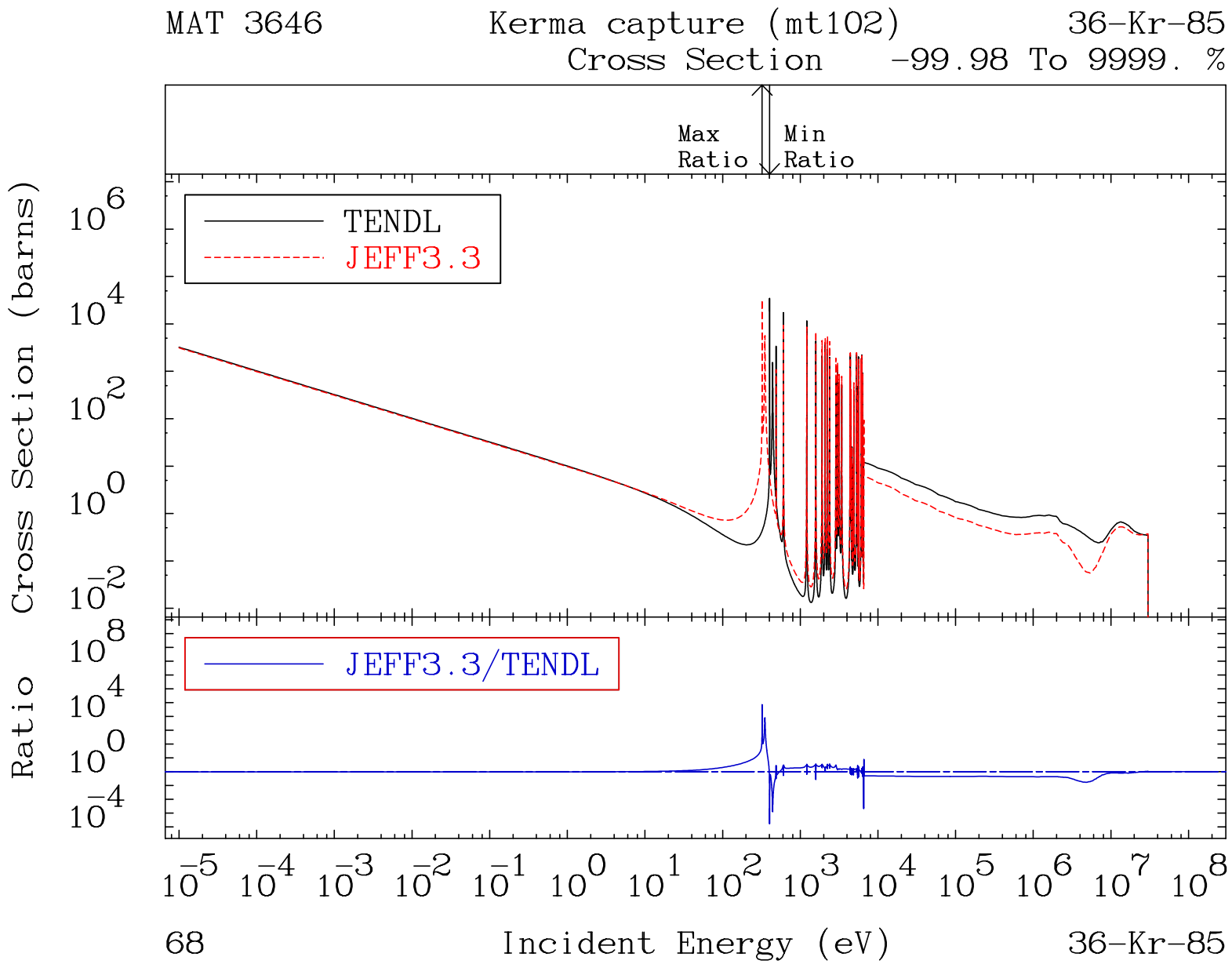

MAT 3646
Kerma total (eV-barns)
36-Kr-85
Cross Section -99.71 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
36-Kr-85

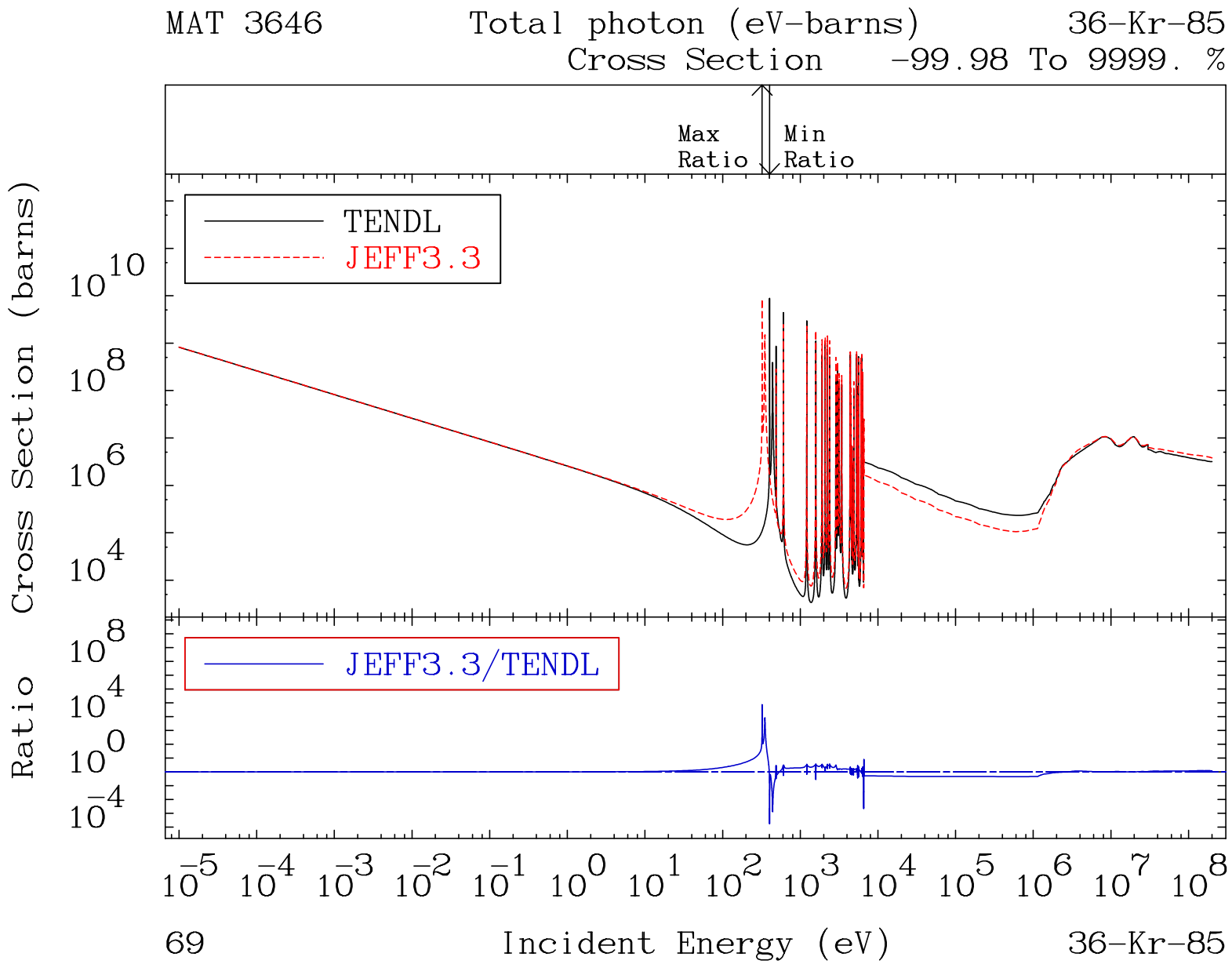

MAT 3646
Kerma elastic
Cross Section
36-Kr-85
-99.67 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
36-Kr-85

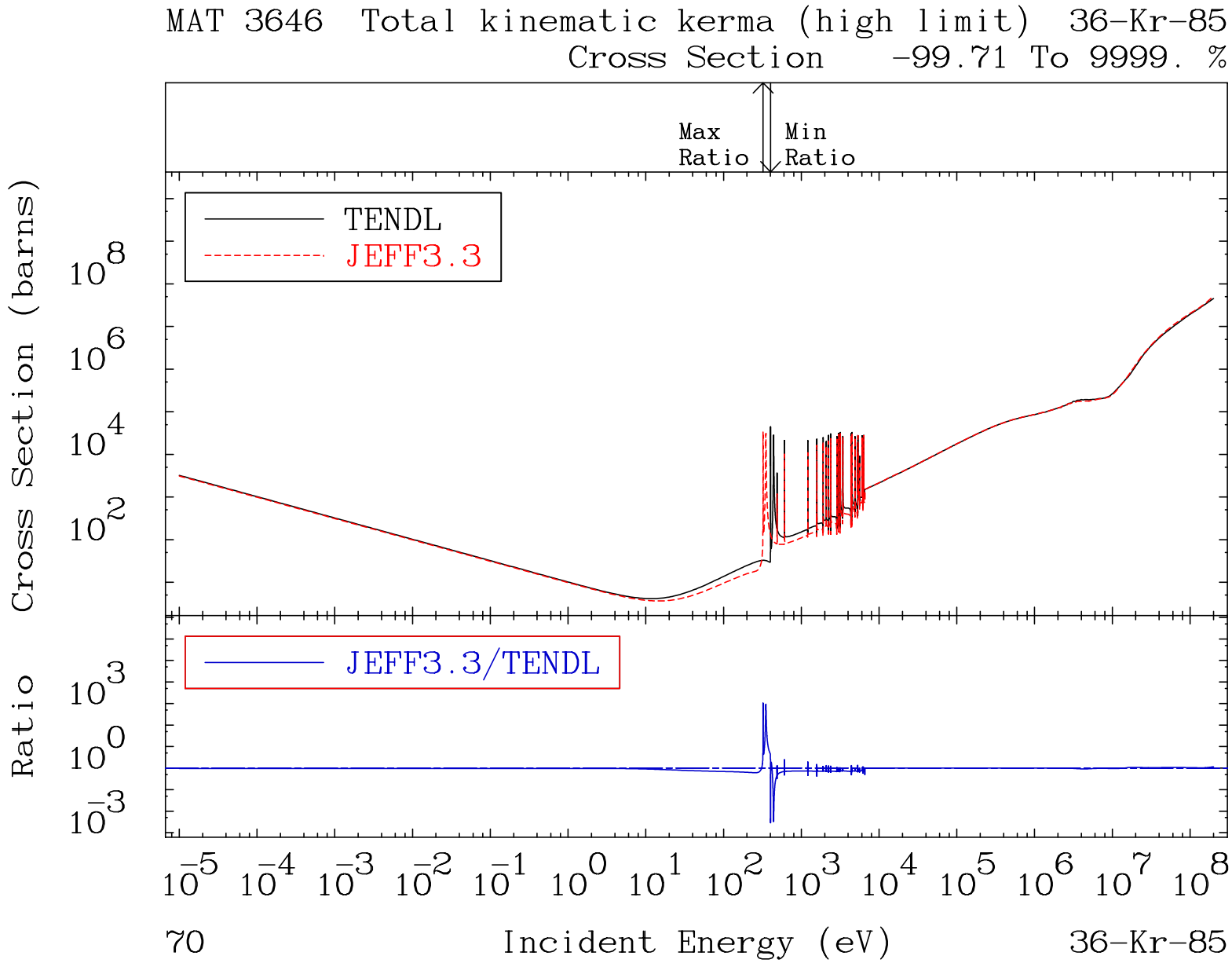

MAT 3646 Kerma non-elastic (all but mt2) 36-Kr-85
Cross Section -99.98 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
65
36-Kr-85

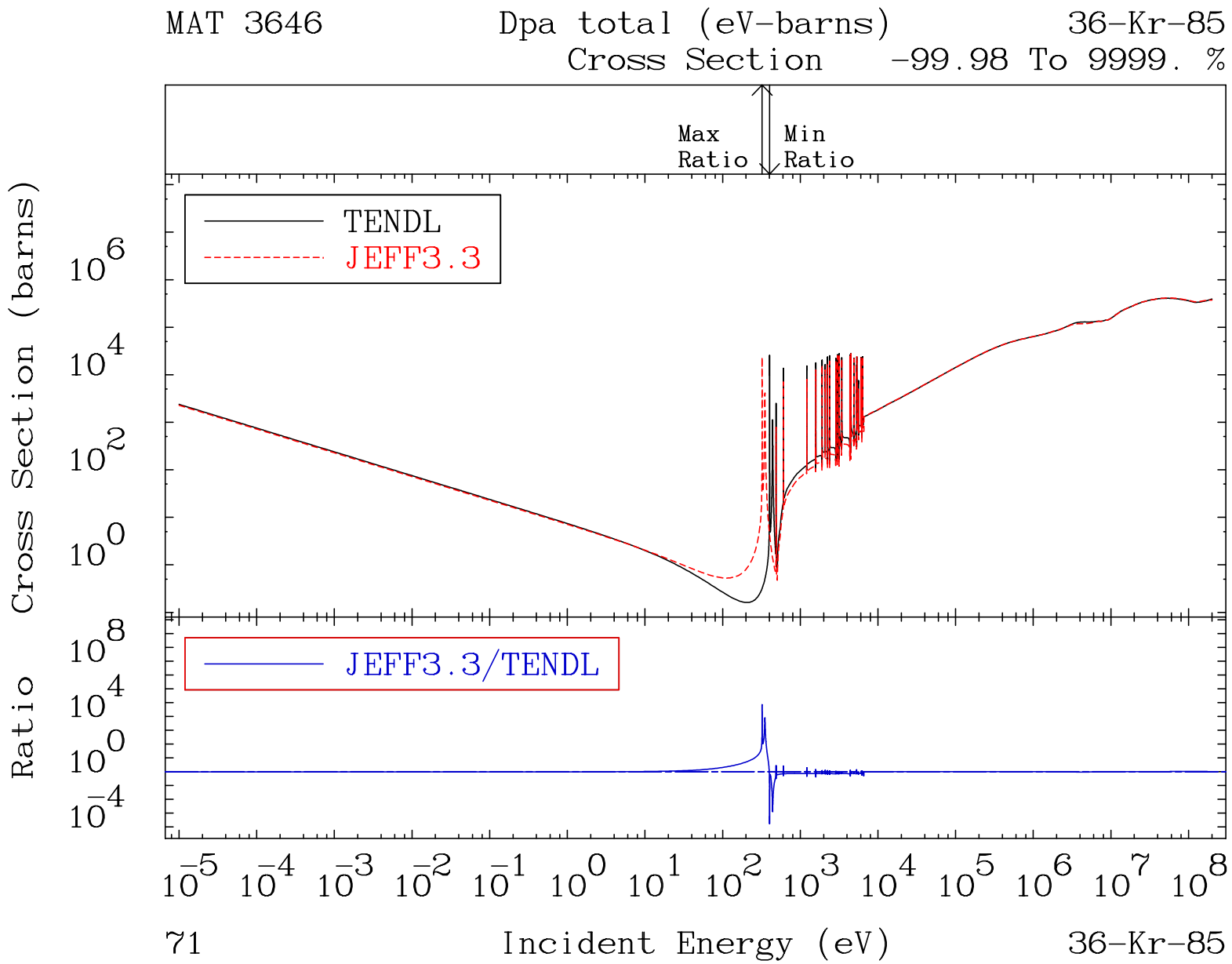

MAT 3646
Kerma inelastic (mt51-91)
36-Kr-85
Cross Section -100.0 To 824.4 %
Min Ratio
Max Ratio
TENDL Threshold 308.49 keV
JEFF3.3 Threshold 308.49 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
66
36-Kr-85

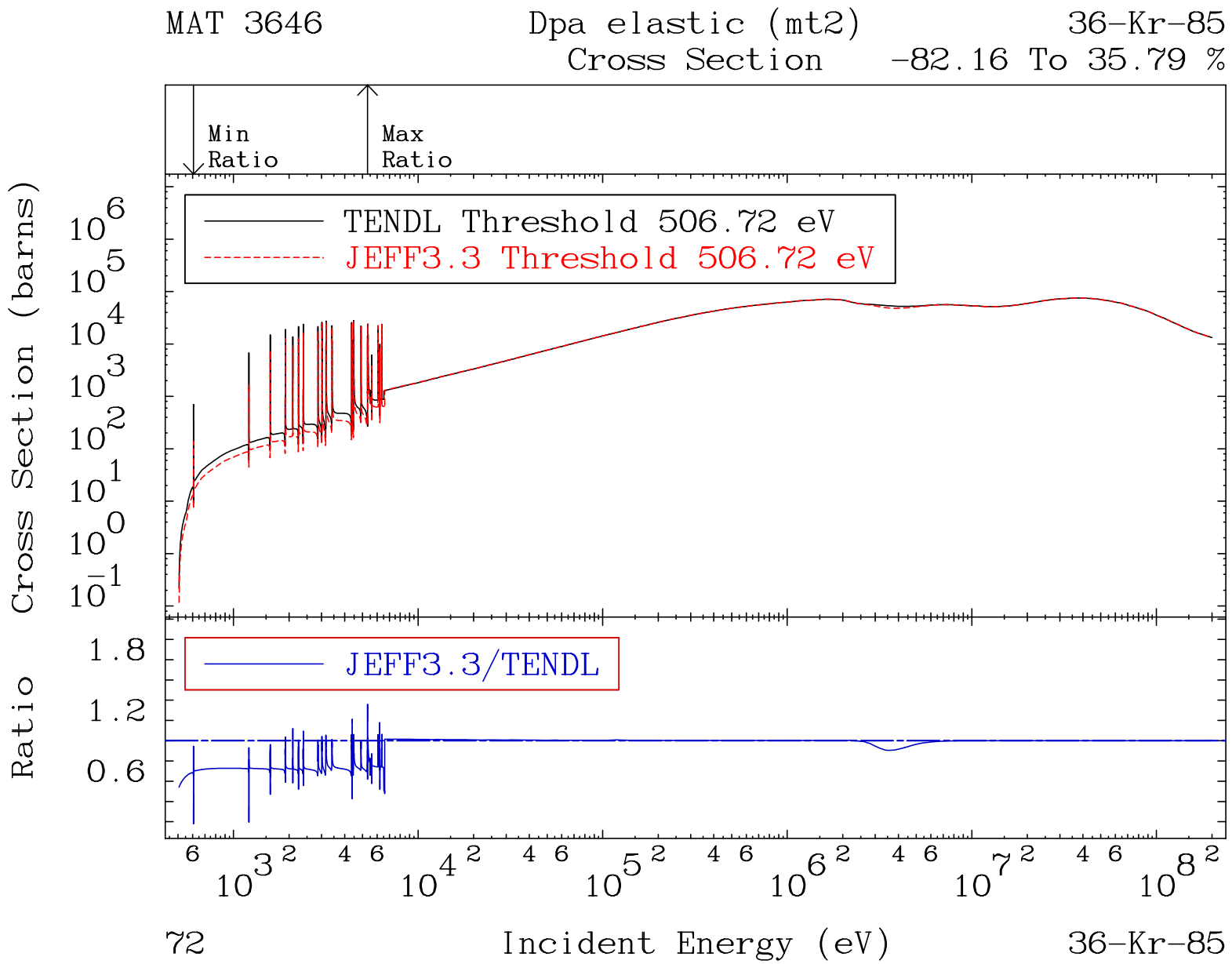

MAT 3646 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-85
Cross Section -100.0 To 824.4 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{0}
10^{-4}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
67
Incident Energy (eV)
36-Kr-85

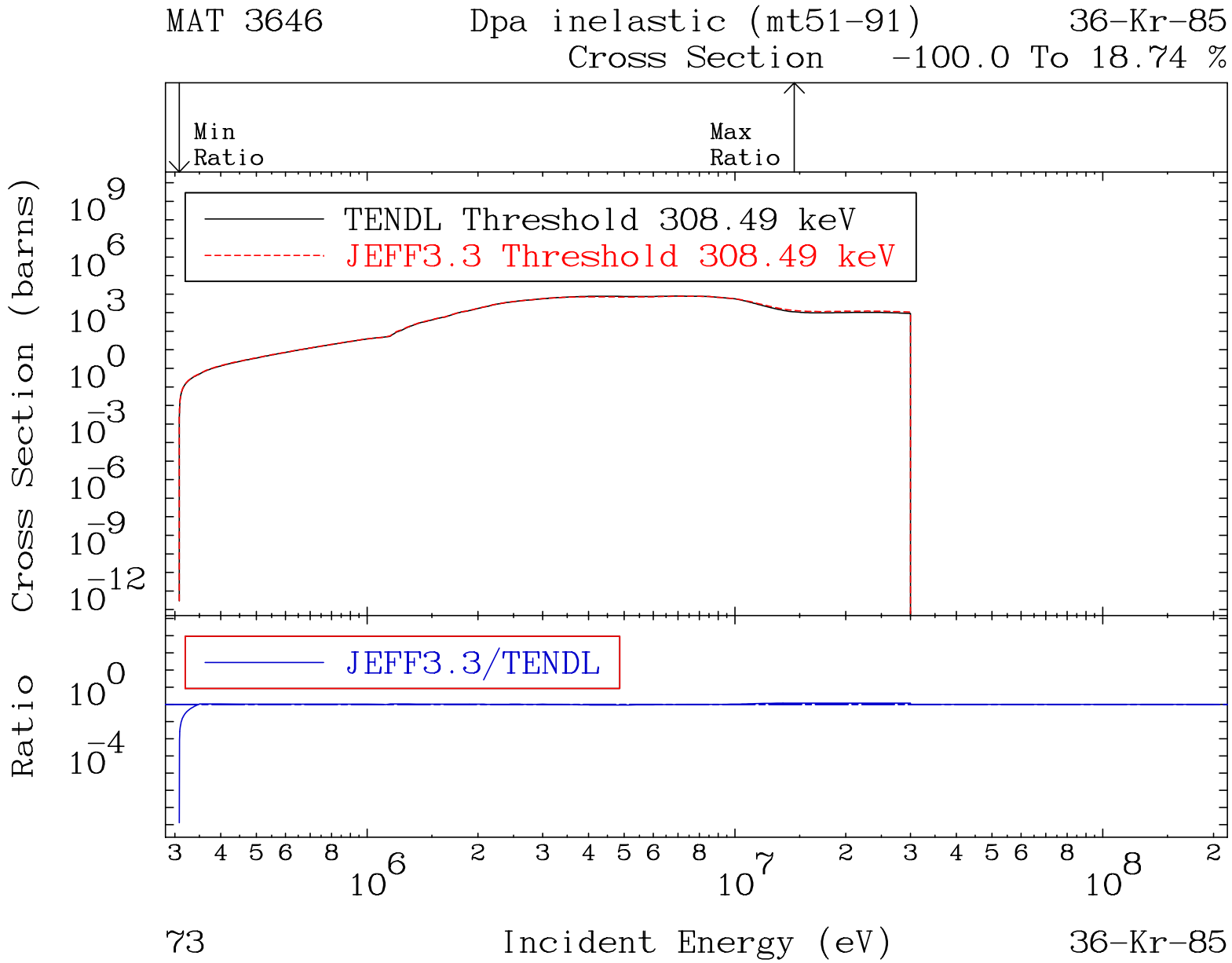

MAT 3646
Kerma capture (mt102)
36-Kr-85
Cross Section
-99.98 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
68
36-Kr-85

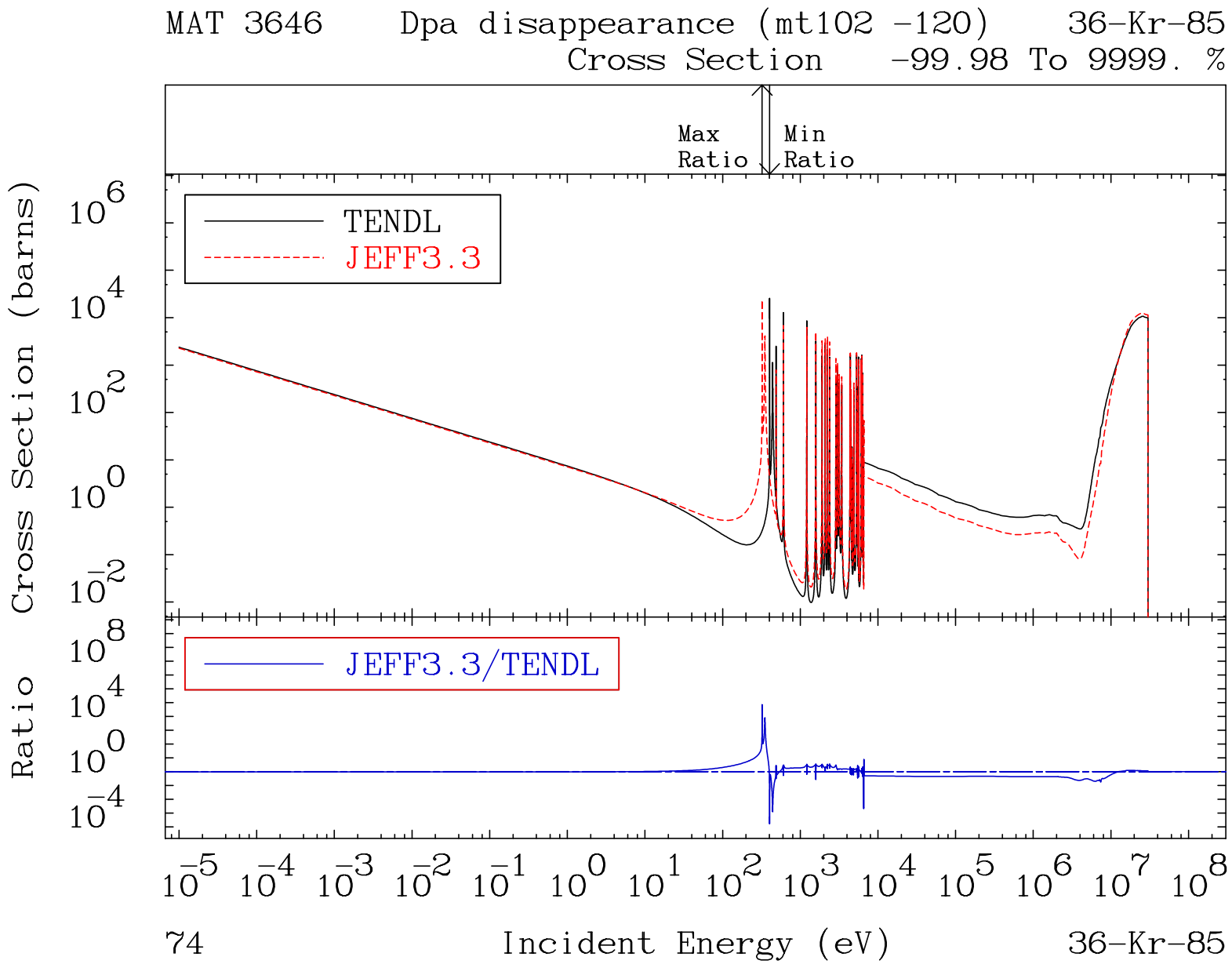

MAT 3646
Total photon (eV-barns)
36-Kr-85
Cross Section -99.98 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
69
36-Kr-85

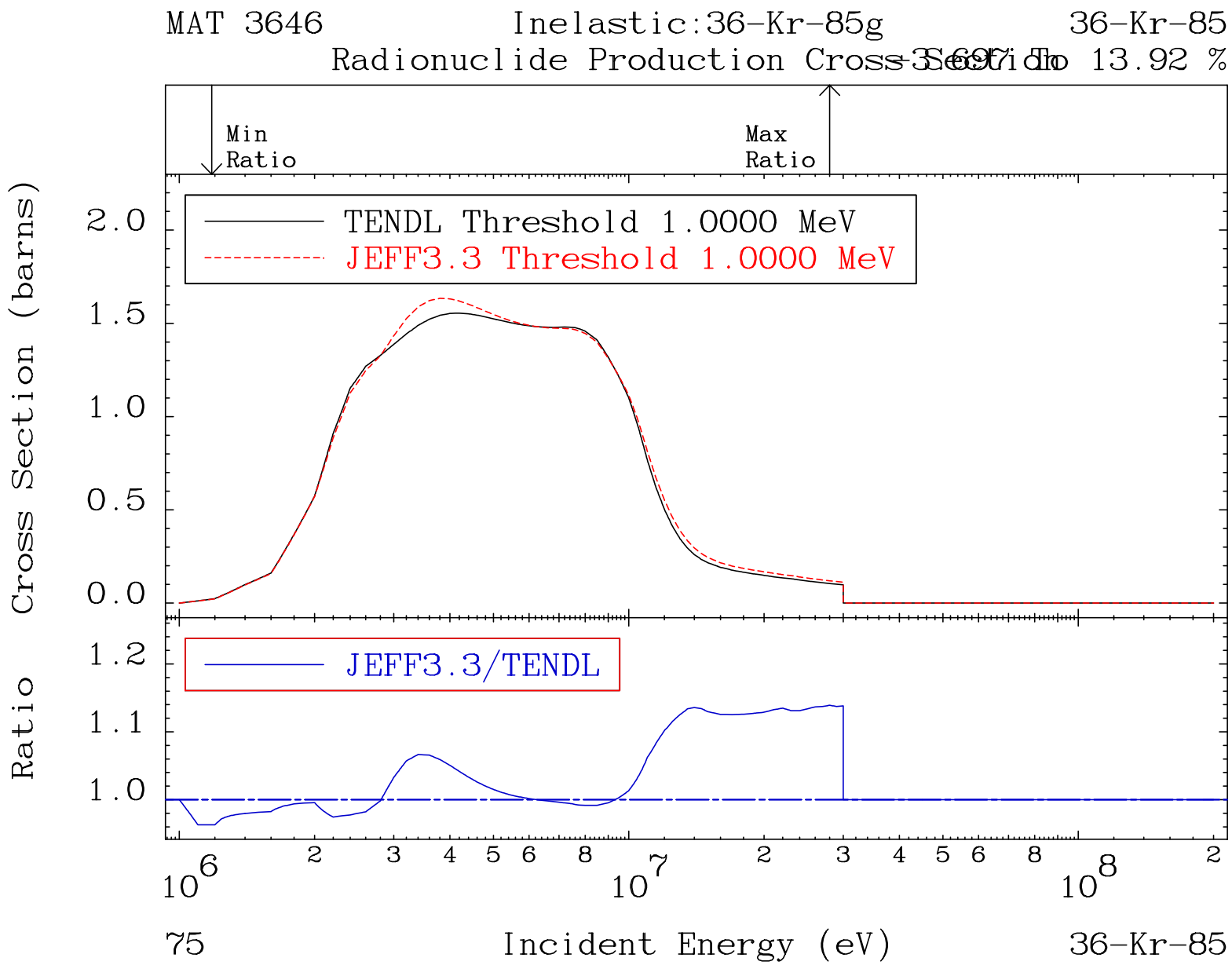

MAT 3646 Total kinematic kerma (high limit) 36-Kr-85
Cross Section -99.71 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
70
36-Kr-85

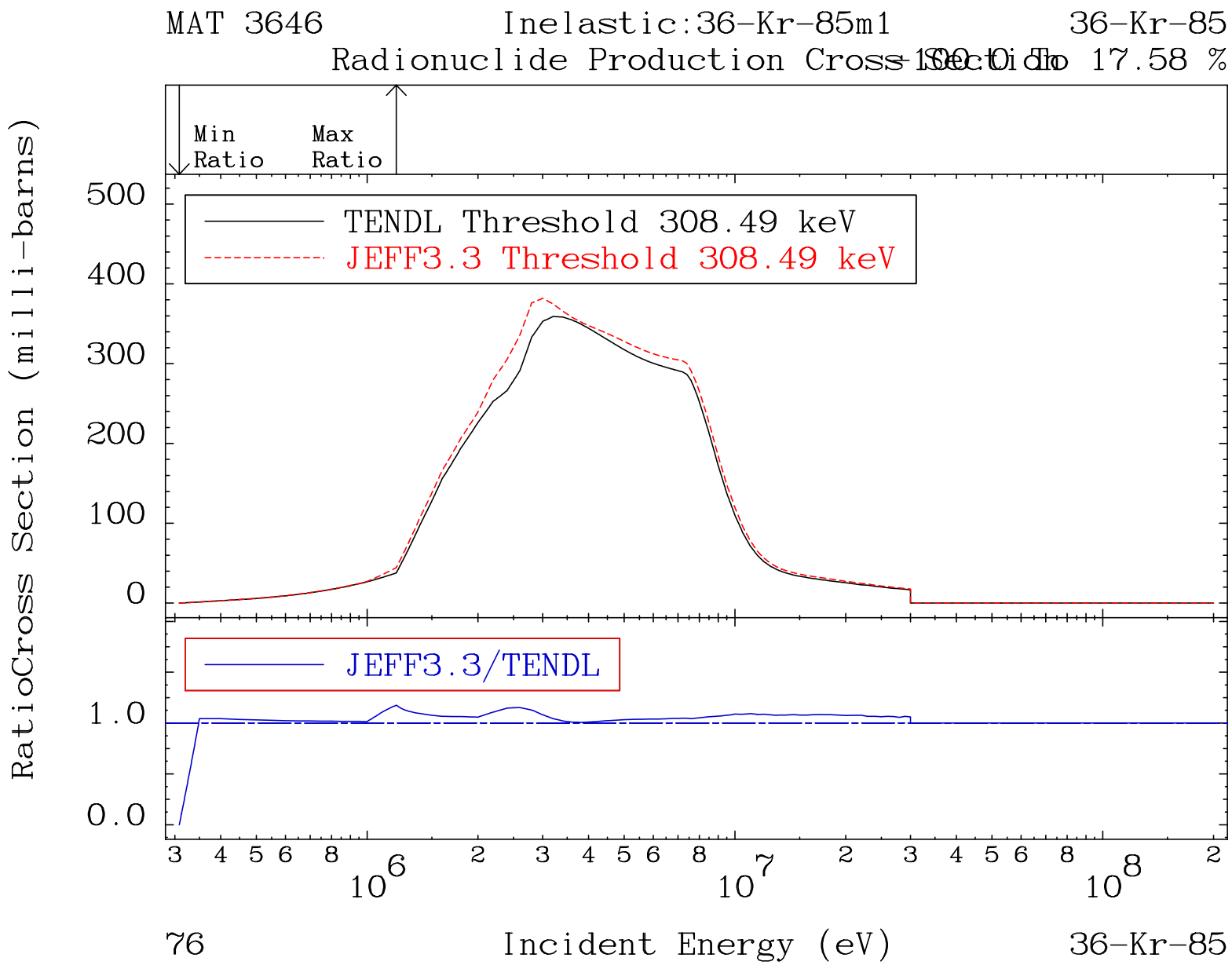

MAT 3646
Dpa total (eV-barns)
36-Kr-85
Cross Section
-99.98 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
71
36-Kr-85

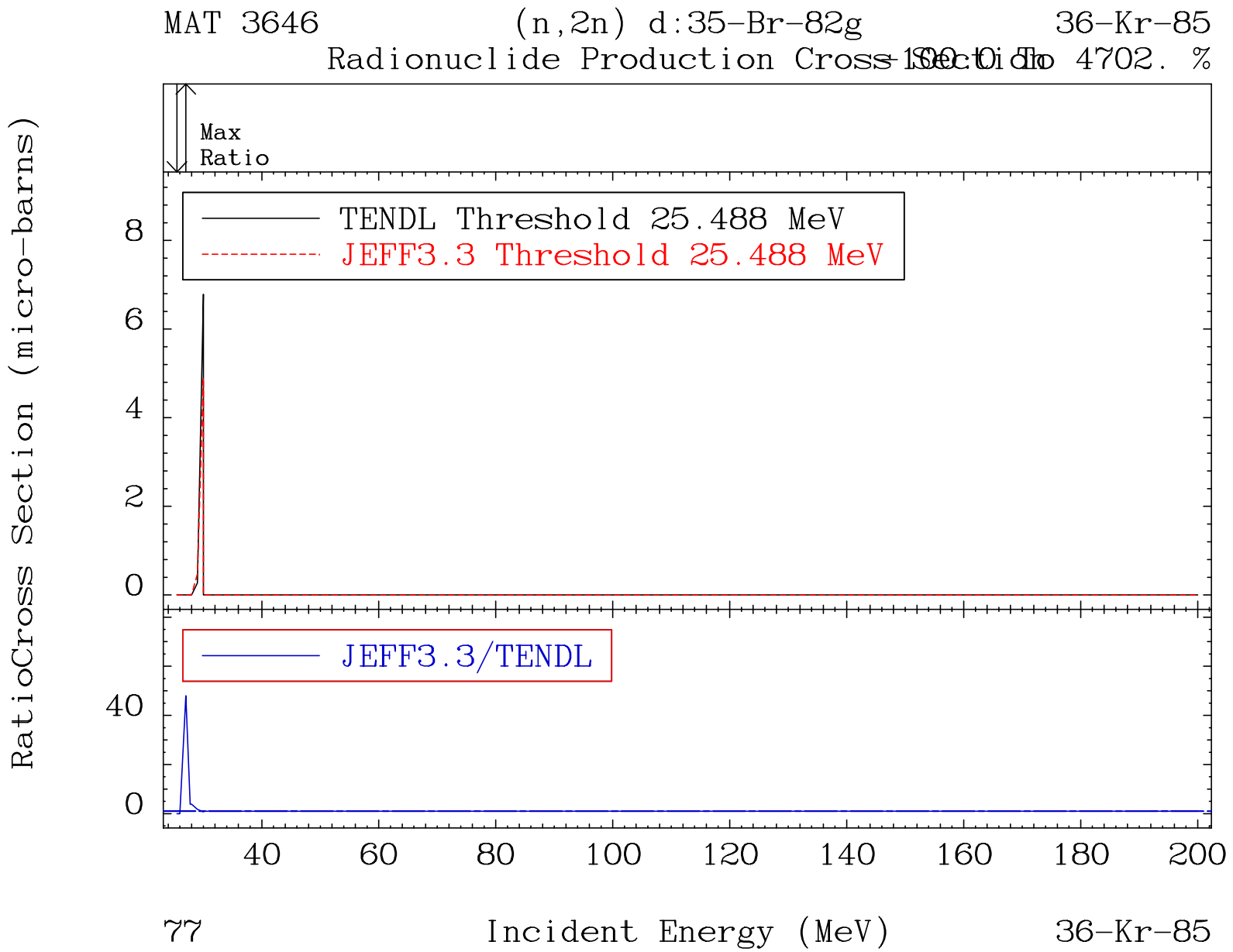

MAT 3646
Dpa elastic (mt2)
Cross Section
36-Kr-85
-82.16 To 35.79 %
Min Ratio
Max Ratio
TENDL Threshold 506.72 eV
JEFF3.3 Threshold 506.72 eV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
72
36-Kr-85

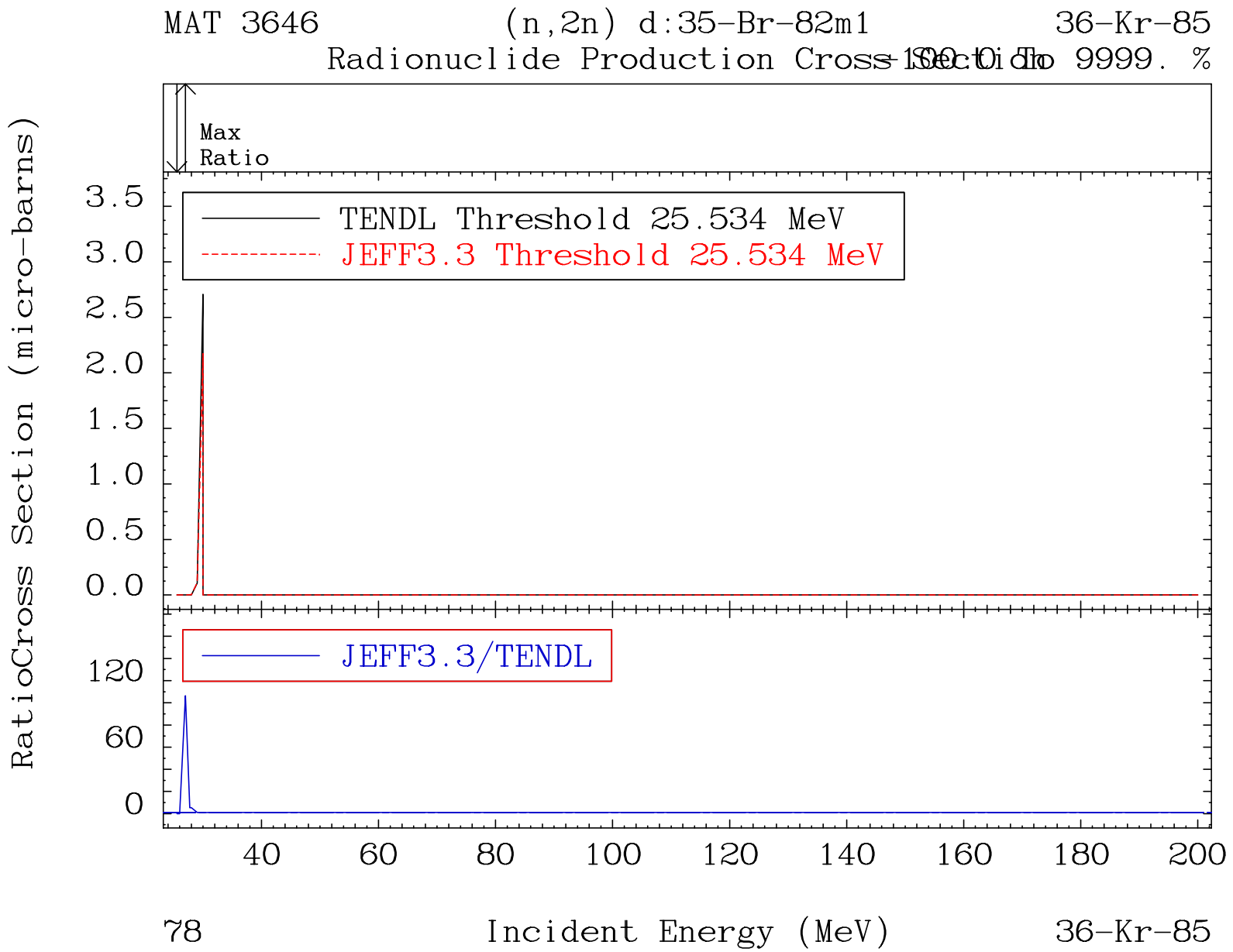

MAT 3646
Dpa inelastic (mt51-91)
36-Kr-85
Cross Section -100.0 To 18.74 %
Min Ratio
Max Ratio
TENDL Threshold 308.49 keV
JEFF3.3 Threshold 308.49 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
73
36-Kr-85

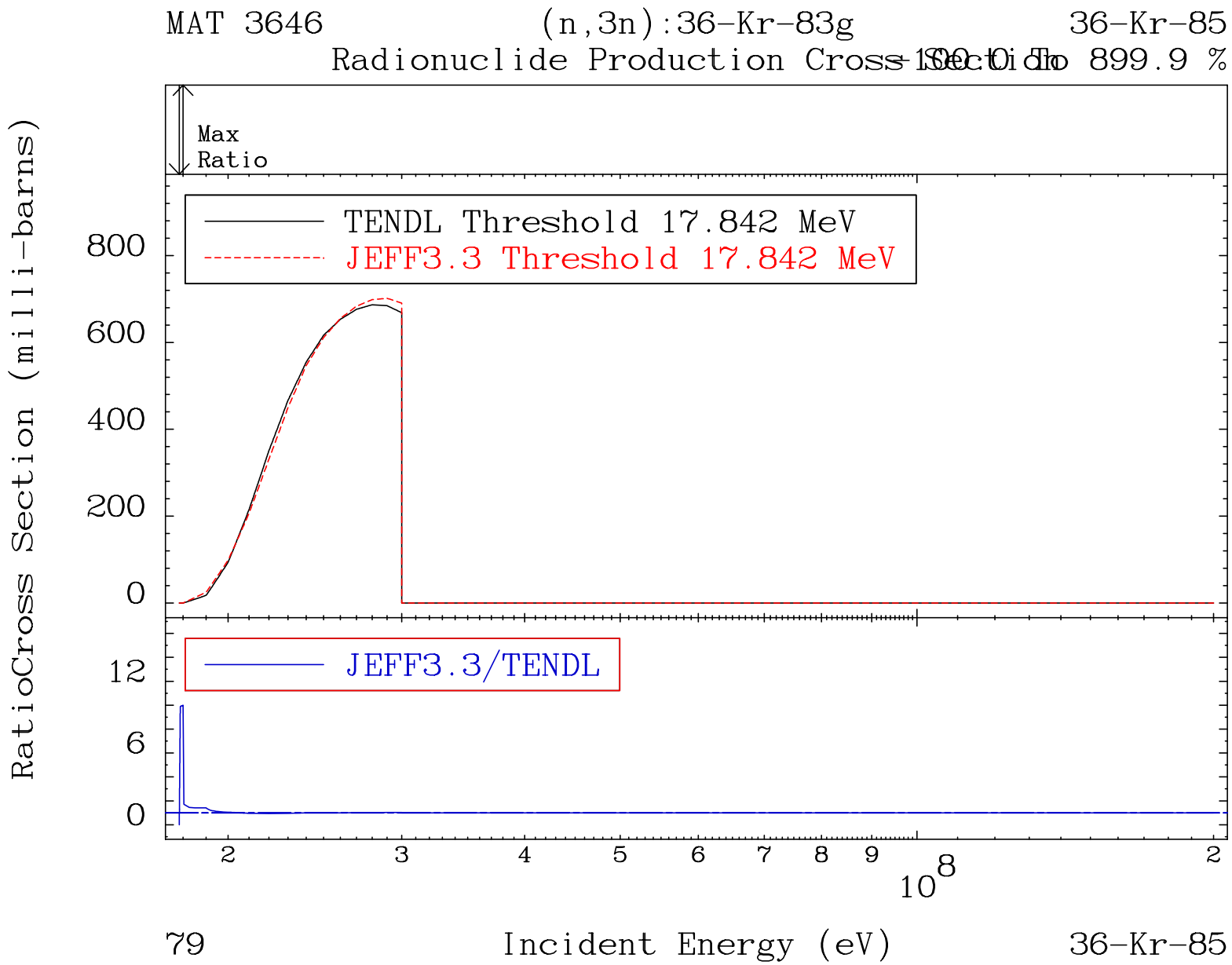

MAT 3646 Dpa disappearance (mt102 -120) 36-Kr-85
Cross Section -99.98 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
74
36-Kr-85

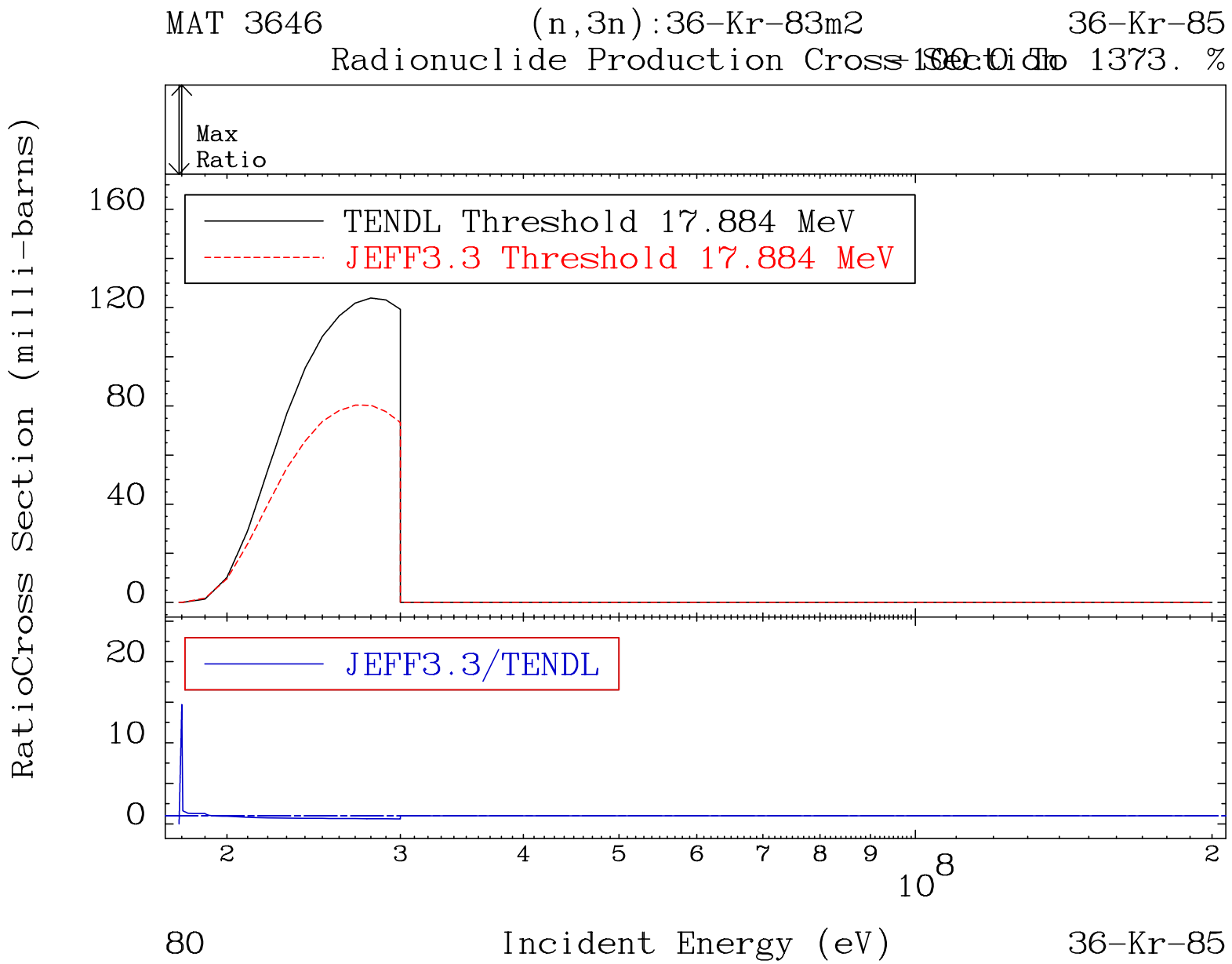

MAT 3646
Inelastic:36-Kr-85g
36-Kr-85
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 1.0000 MeV
JEFF3.3 Threshold 1.0000 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
75
36-Kr-85

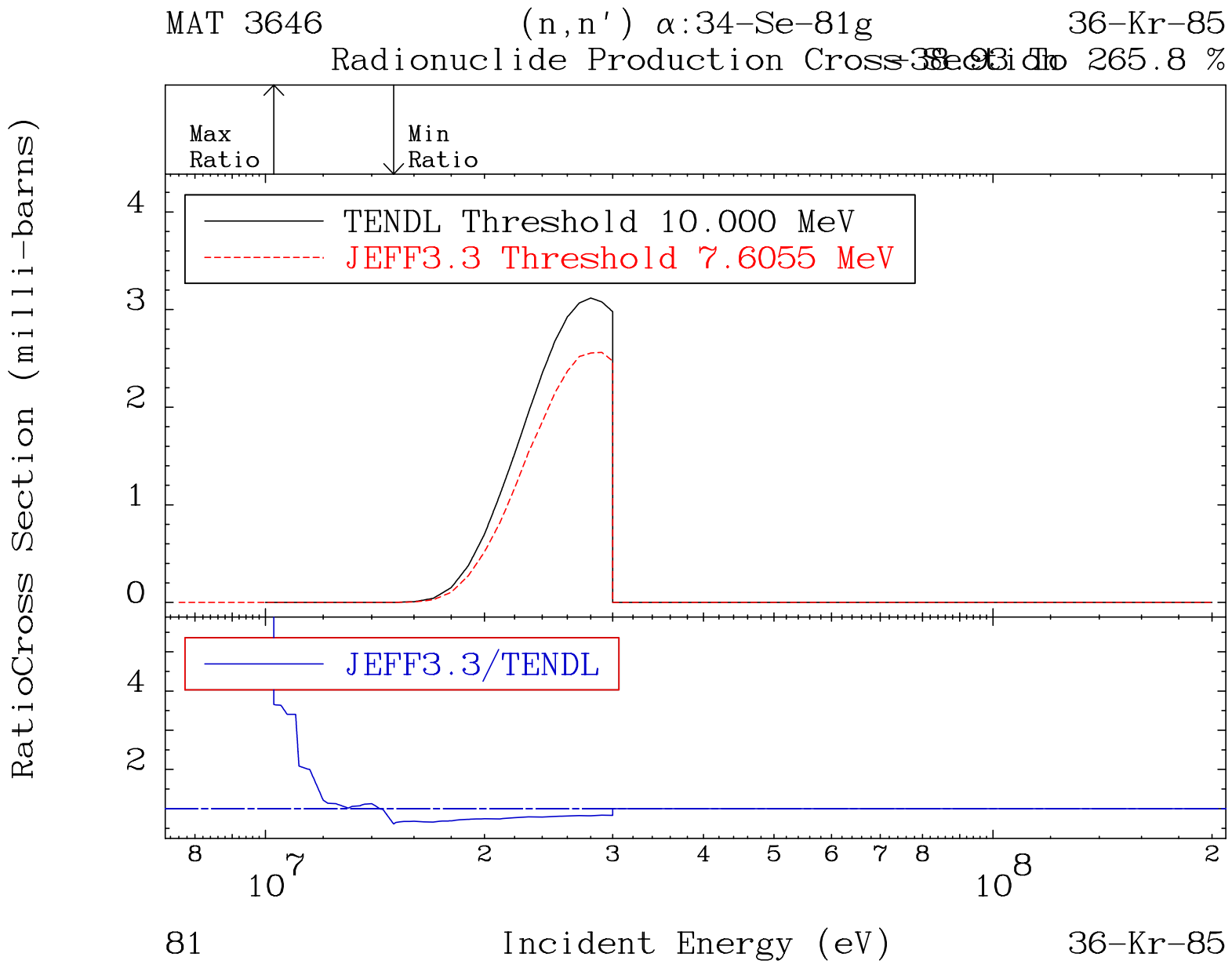

MAT 3646
Inelastic:36-Kr-85m1
36-Kr-85
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 308.49 keV
JEFF3.3 Threshold 308.49 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
1.0
0.0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
76
Incident Energy (eV)
36-Kr-85

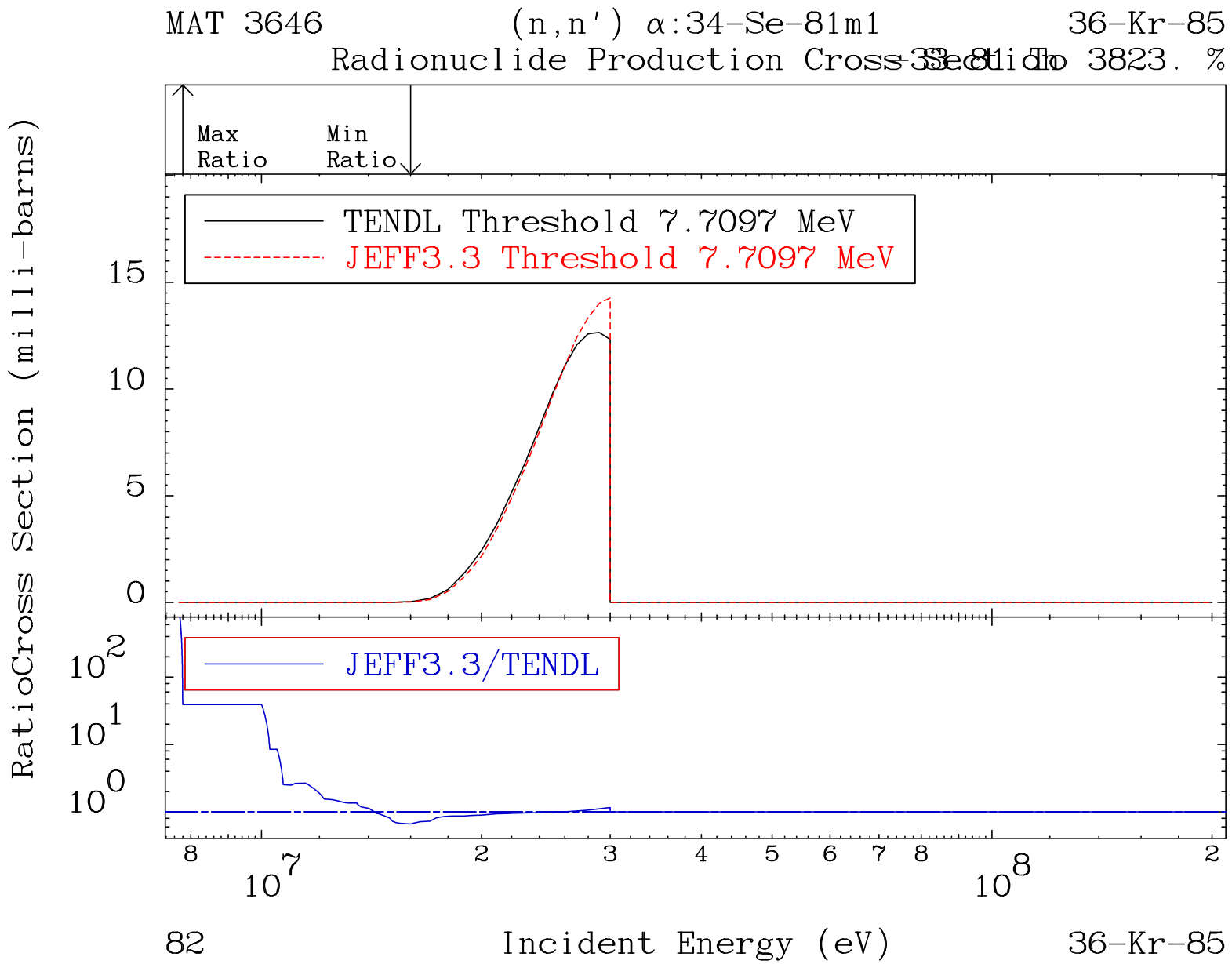

MAT 3646
(n,2n) d:35-Br-82g
36-Kr-85
Radionuclide Production Cross Section To 4702. %
Max
Ratio
TENDL Threshold 25.488 MeV
JEFF3.3 Threshold 25.488 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
8
6
4
2
0
40
0
40
60
80
100
120
140
160
180
200
77
Incident Energy (MeV)
36-Kr-85

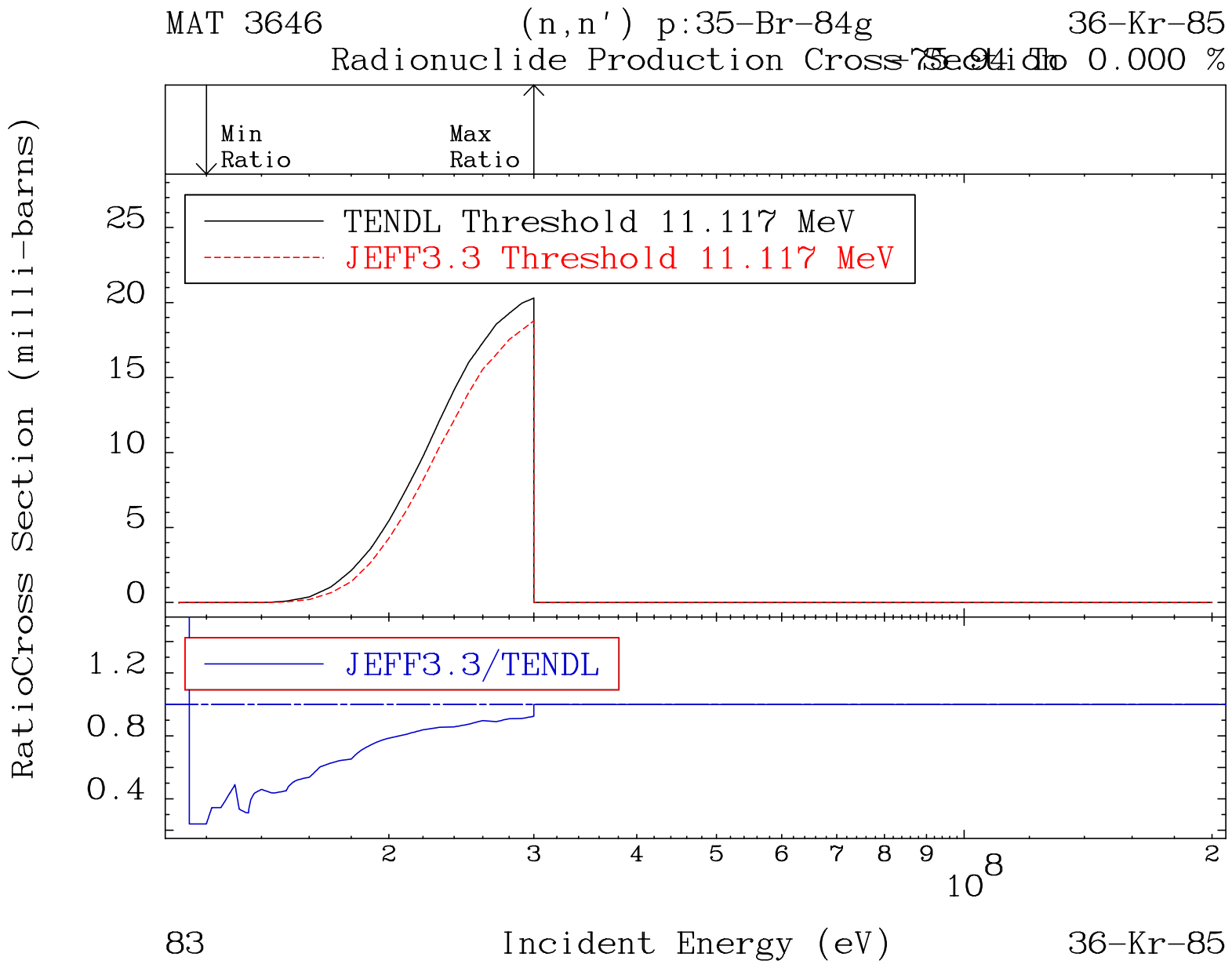

MAT 3646
(n,2n) d:35-Br-82m1
36-Kr-85
Radionuclide Production Cross Section
100 To 9999. %
Max
Ratio
TENDL Threshold 25.534 MeV
JEFF3.3 Threshold 25.534 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
120
60
0
40
60
80
100
120
140
160
180
200
78
Incident Energy (MeV)
36-Kr-85

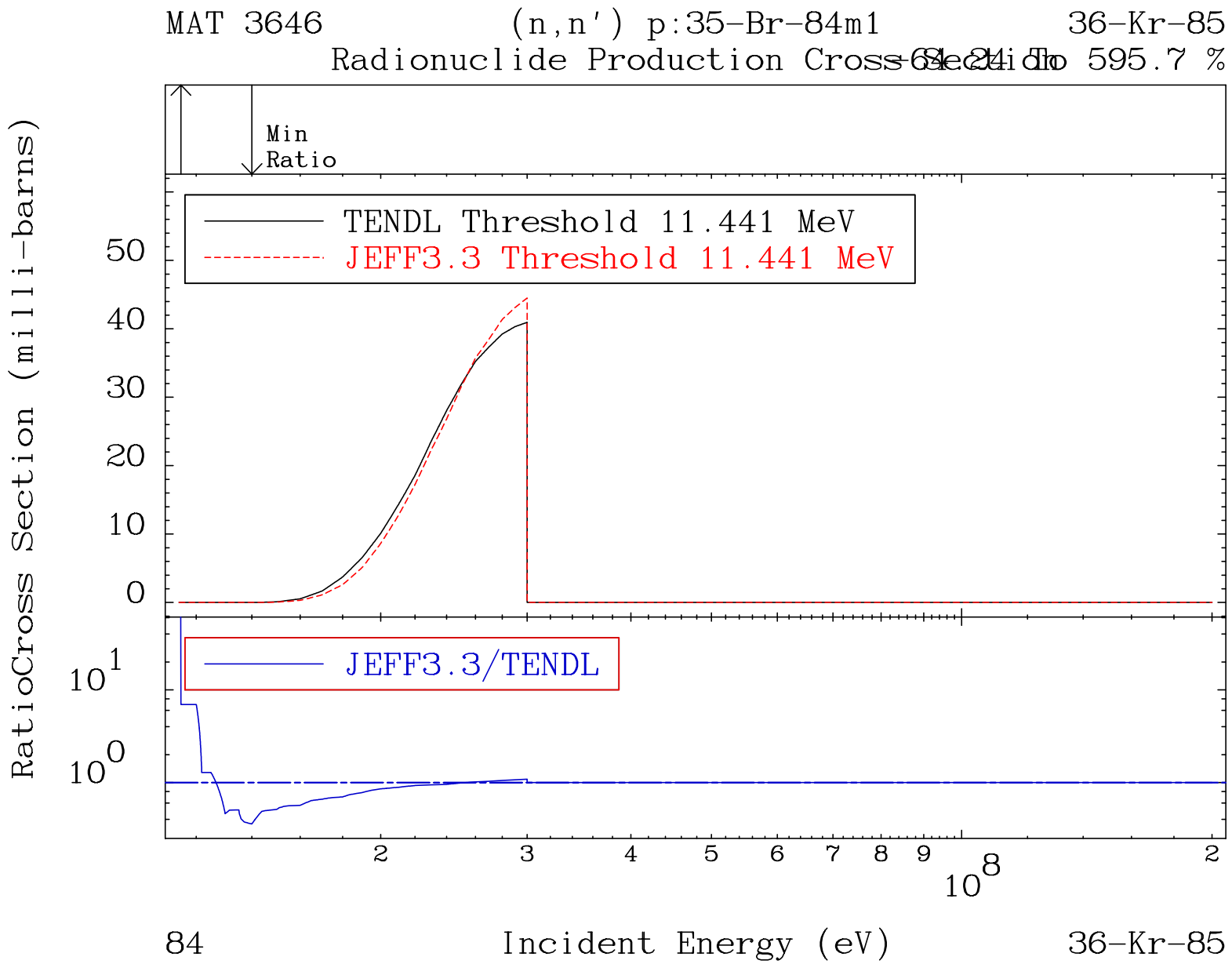

MAT 3646
(n,3n):36-Kr-83g
36-Kr-85
Radionuclide Production Cross Section To 899.9 %
Max
Ratio
TENDL Threshold 17.842 MeV
JEFF3.3 Threshold 17.842 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
12
6
0
2
3
4
5
6
7
8
9
2
10^8
79
Incident Energy (eV)
36-Kr-85

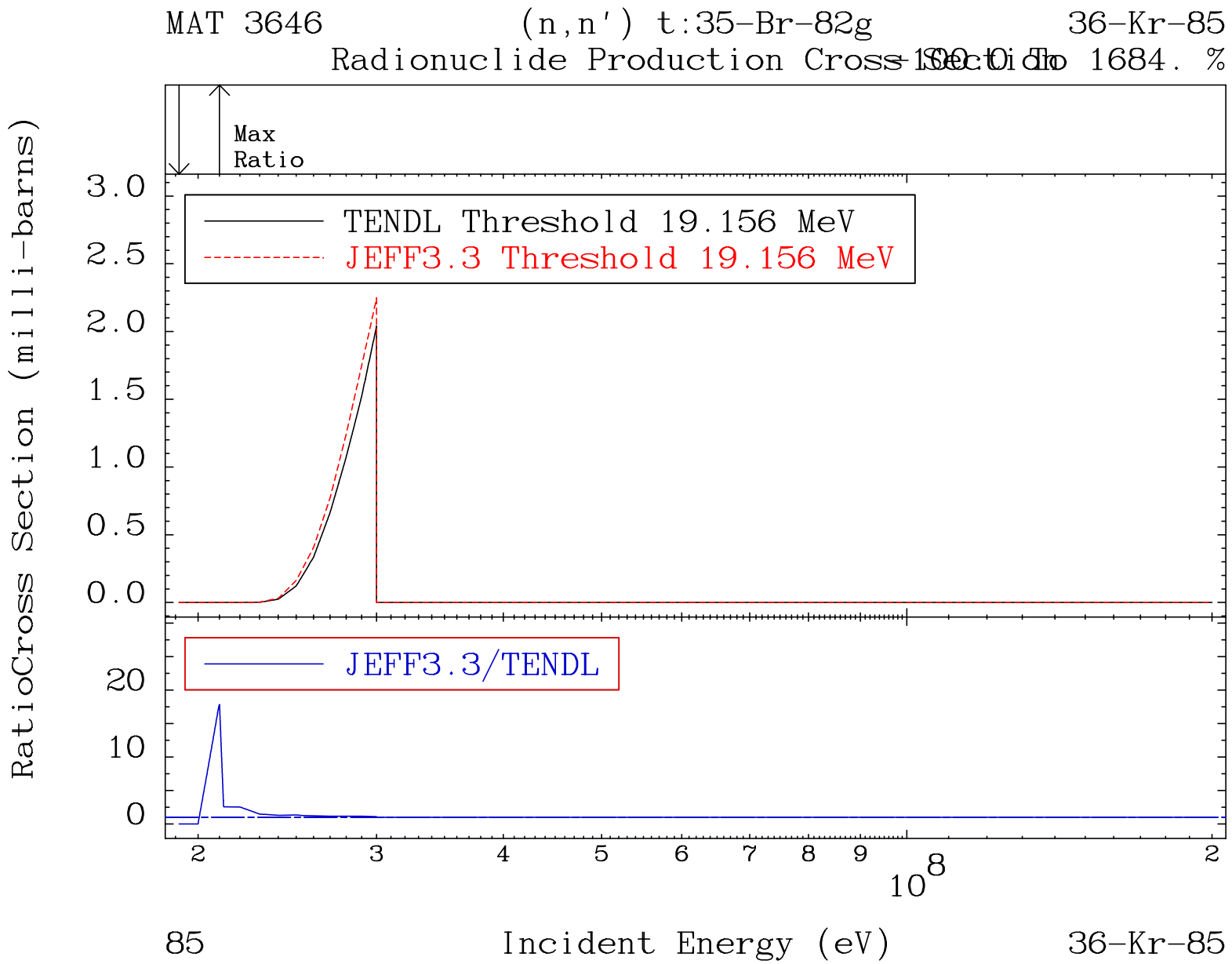

MAT 3646
(n,3n):36-Kr-83m2
36-Kr-85
Radionuclide Production Cross Section To 1373. %
Max
Ratio
160
120
80
40
0
TENDL Threshold 17.884 MeV
JEFF3.3 Threshold 17.884 MeV
20
10
0
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2
3
4
5
6
7
8
9
10^8
2
80
Incident Energy (eV)
36-Kr-85

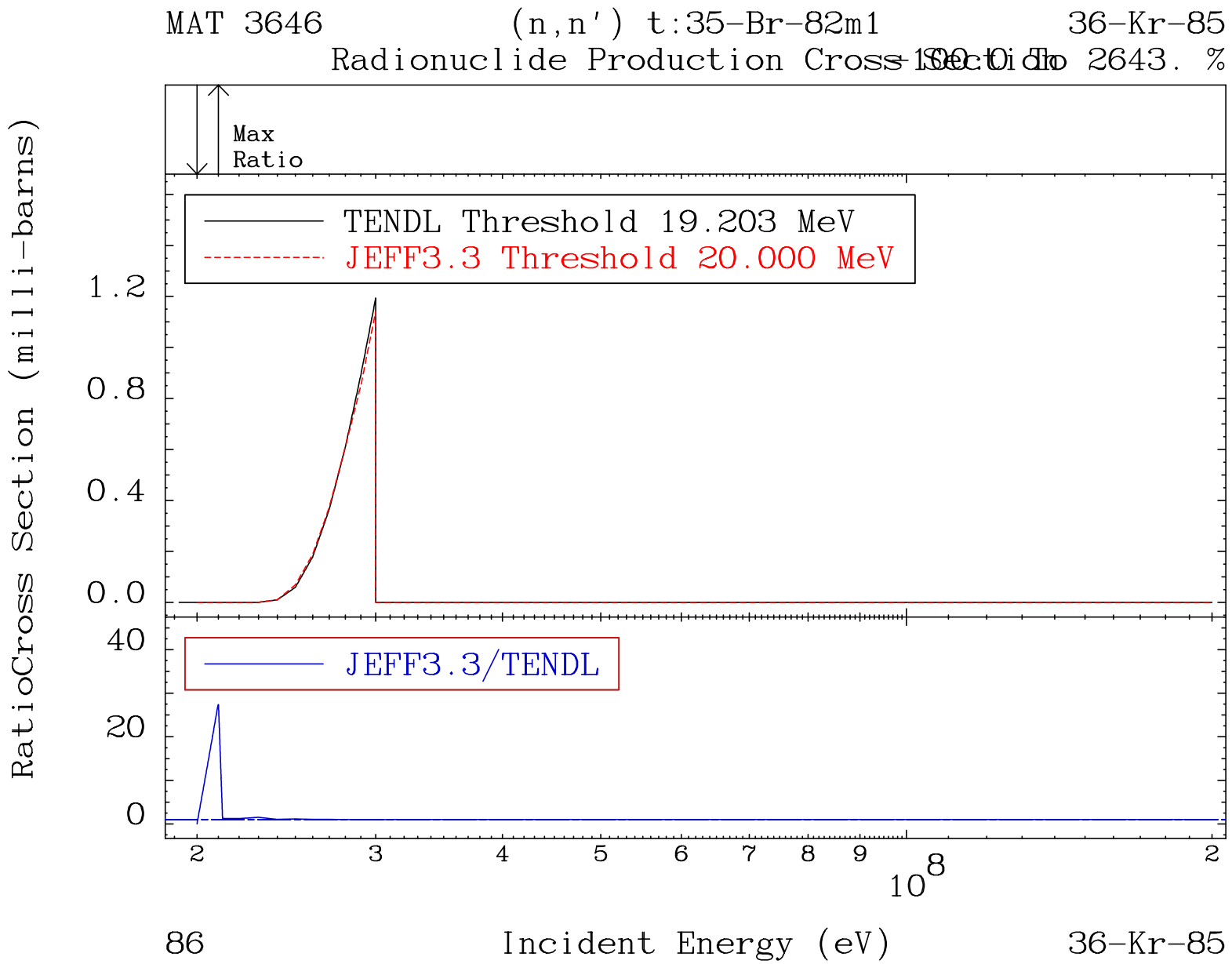

MAT 3646
(n,n') α:34-Se-81g
36-Kr-85
Radionuclide Production Cross Section To 265.8 %
Max Ratio
Min Ratio
TENDL Threshold 10.000 MeV
JEFF3.3 Threshold 7.6055 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
81
36-Kr-85

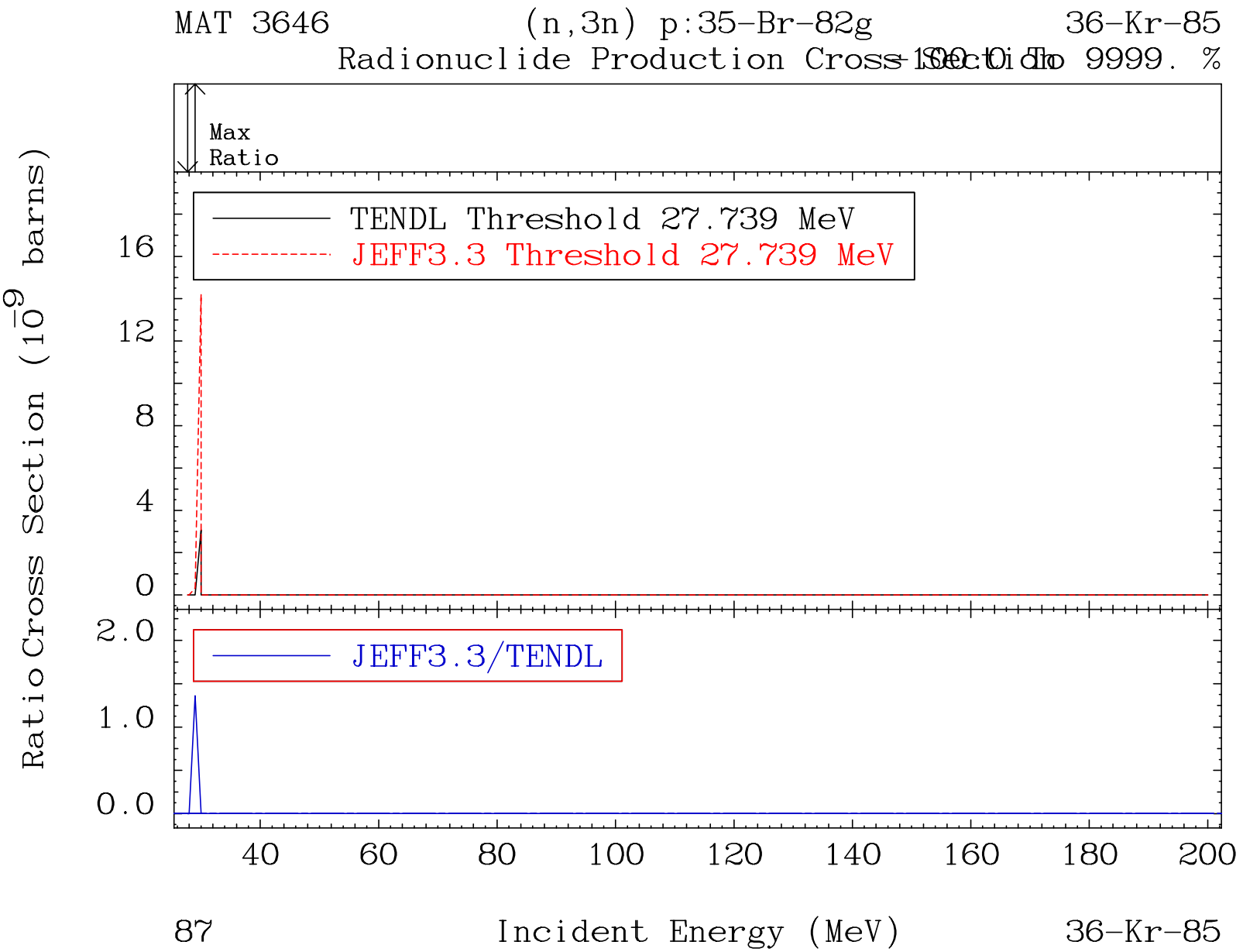

MAT 3646
(n,n') α:34-Se-81m1
36-Kr-85
Radionuclide Production Cross Section To 3823. %
Max Ratio
Min Ratio
TENDL Threshold 7.7097 MeV
JEFF3.3 Threshold 7.7097 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
15
10
5
0
10^2
10^1
10^0
8
10^7
2
3
4
5
6
7
8
10^8
2
82
Incident Energy (eV)
36-Kr-85

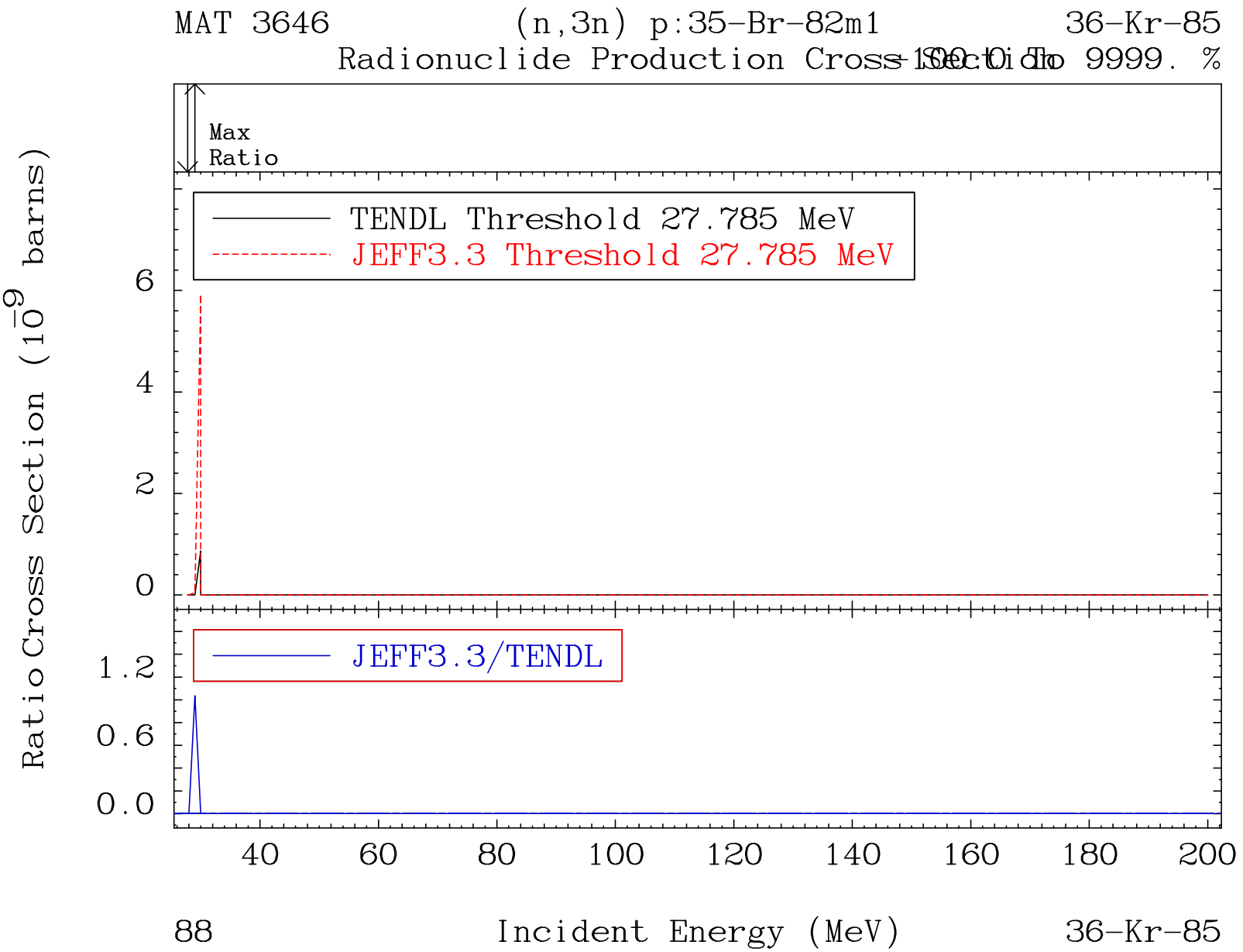

MAT 3646
(n,n') p:35-Br-84g
36-Kr-85
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 11.117 MeV
JEFF3.3 Threshold 11.117 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
1.2
0.8
0.4
2
3
4
5
6
7
8
9
10^8
2
83
Incident Energy (eV)
36-Kr-85

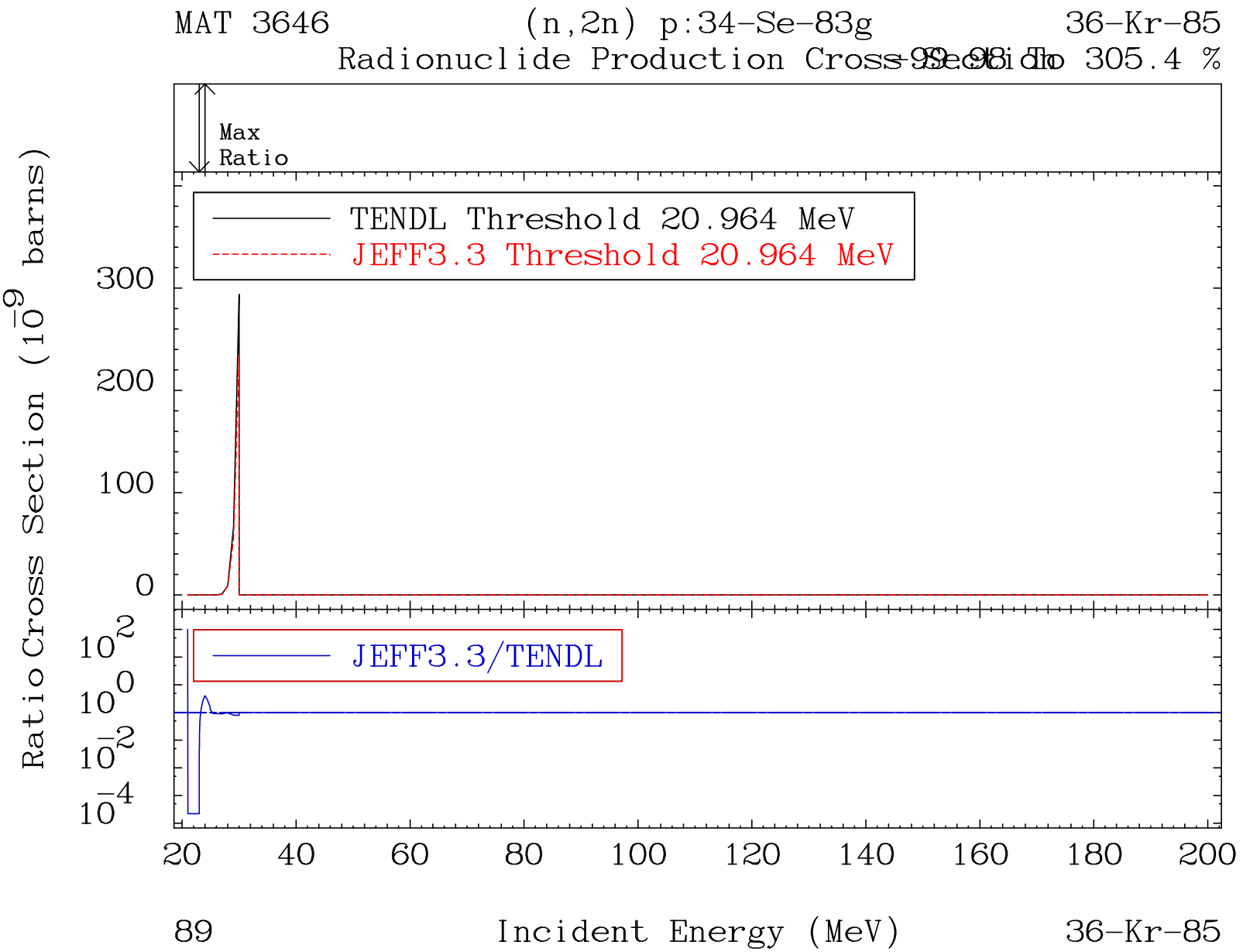

MAT 3646
(n,n') p:35-Br-84m1
36-Kr-85
Radionuclide Production Cross Section To 595.7 %
Min
Ratio
TENDL Threshold 11.441 MeV
JEFF3.3 Threshold 11.441 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
84
Incident Energy (eV)
36-Kr-85

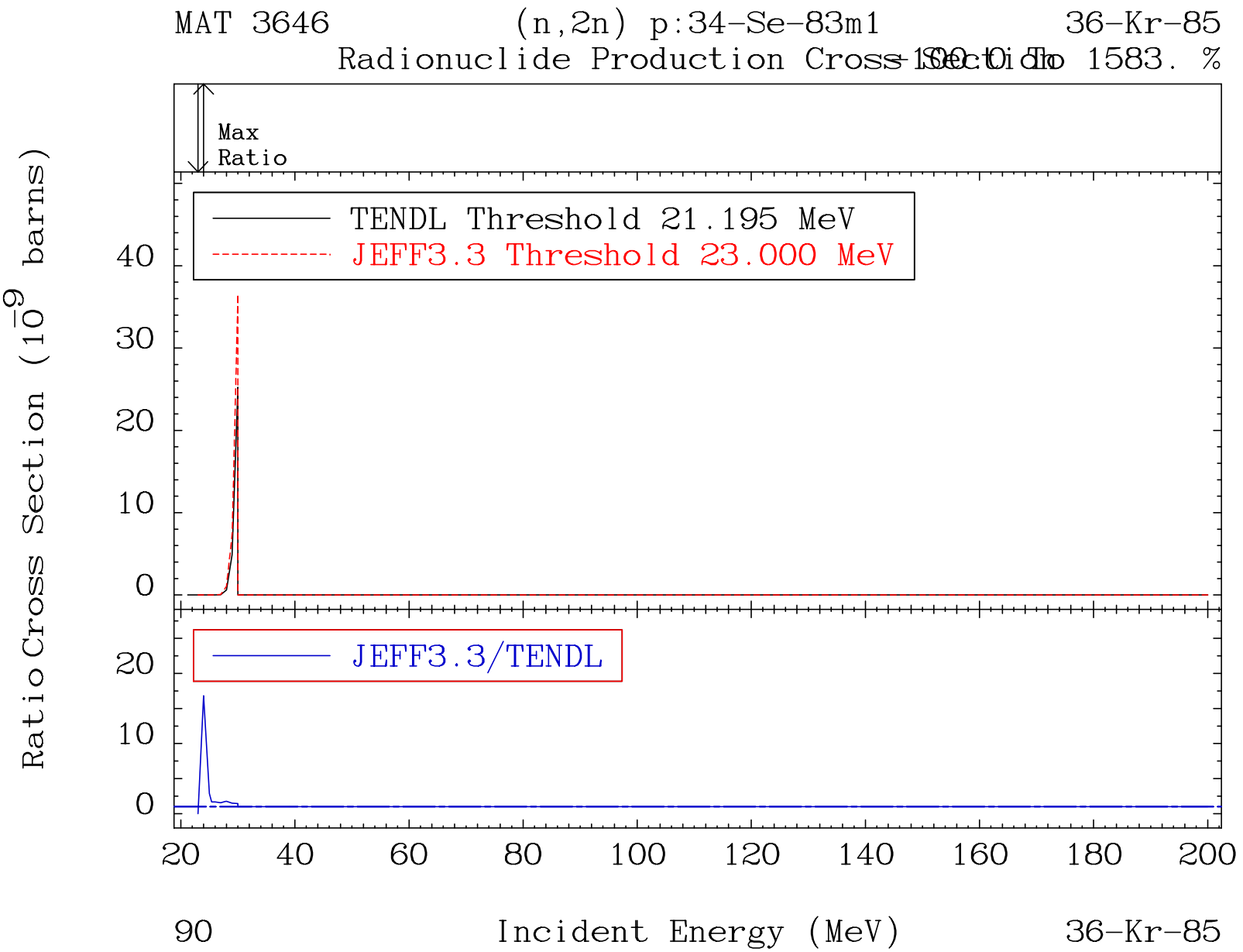

MAT 3646 (n,n') t:35-Br-82g 36-Kr-85
Radionuclide Production Cross Section To 1684. %
Max
Ratio
TENDL Threshold 19.156 MeV
JEFF3.3 Threshold 19.156 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
10
0
2
3
4
5
6
7
8
9
10^8
2
85
Incident Energy (eV)
36-Kr-85

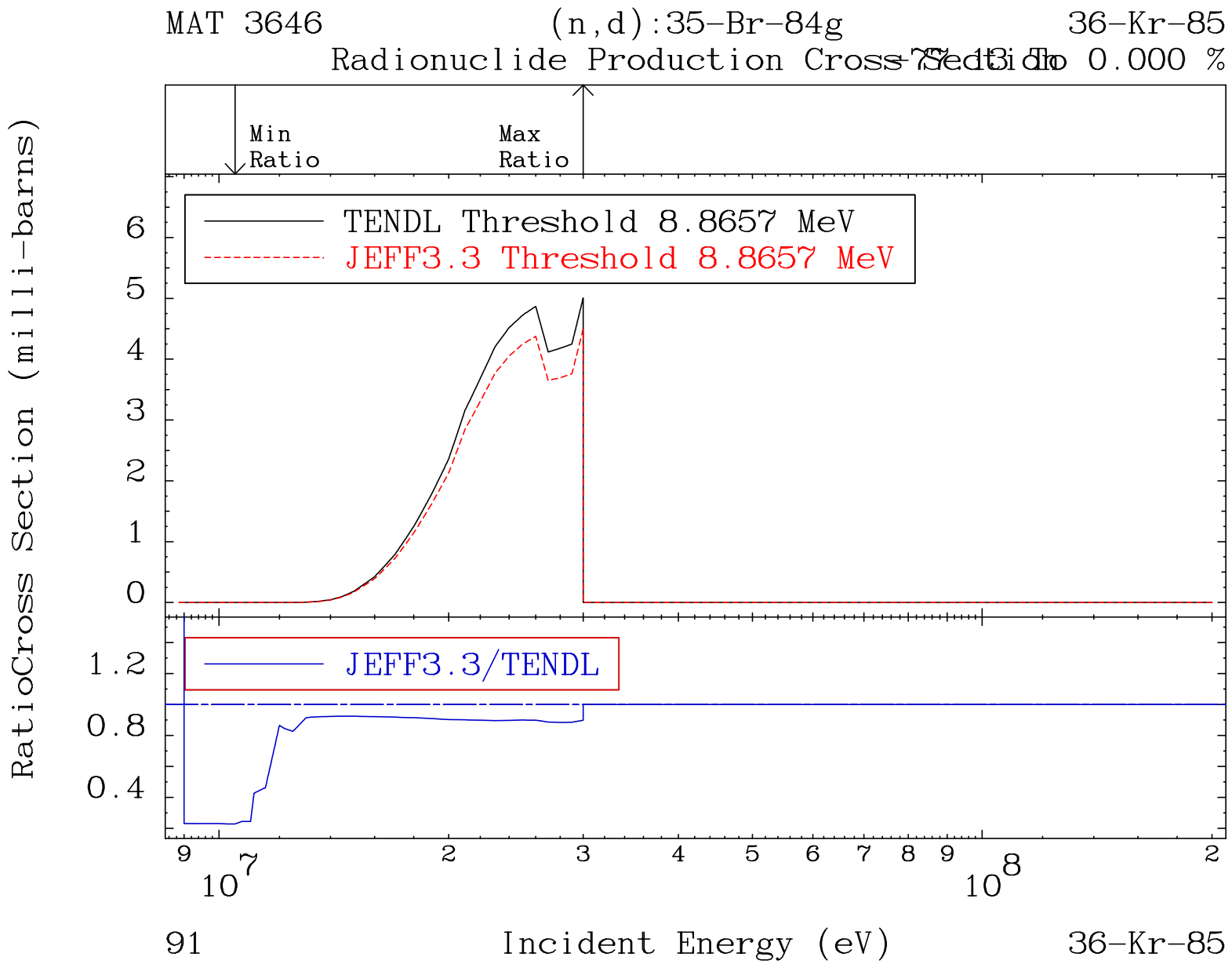

MAT 3646 (n,n') t:35-Br-82m1 36-Kr-85
Radionuclide Production Cross Section To 2643. %
Max
Ratio
TENDL Threshold 19.203 MeV
JEFF3.3 Threshold 20.000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.2
0.8
0.4
0.0
40
20
0
2
3
4
5
6
7
8
9
10^8
2
86
Incident Energy (eV)
36-Kr-85

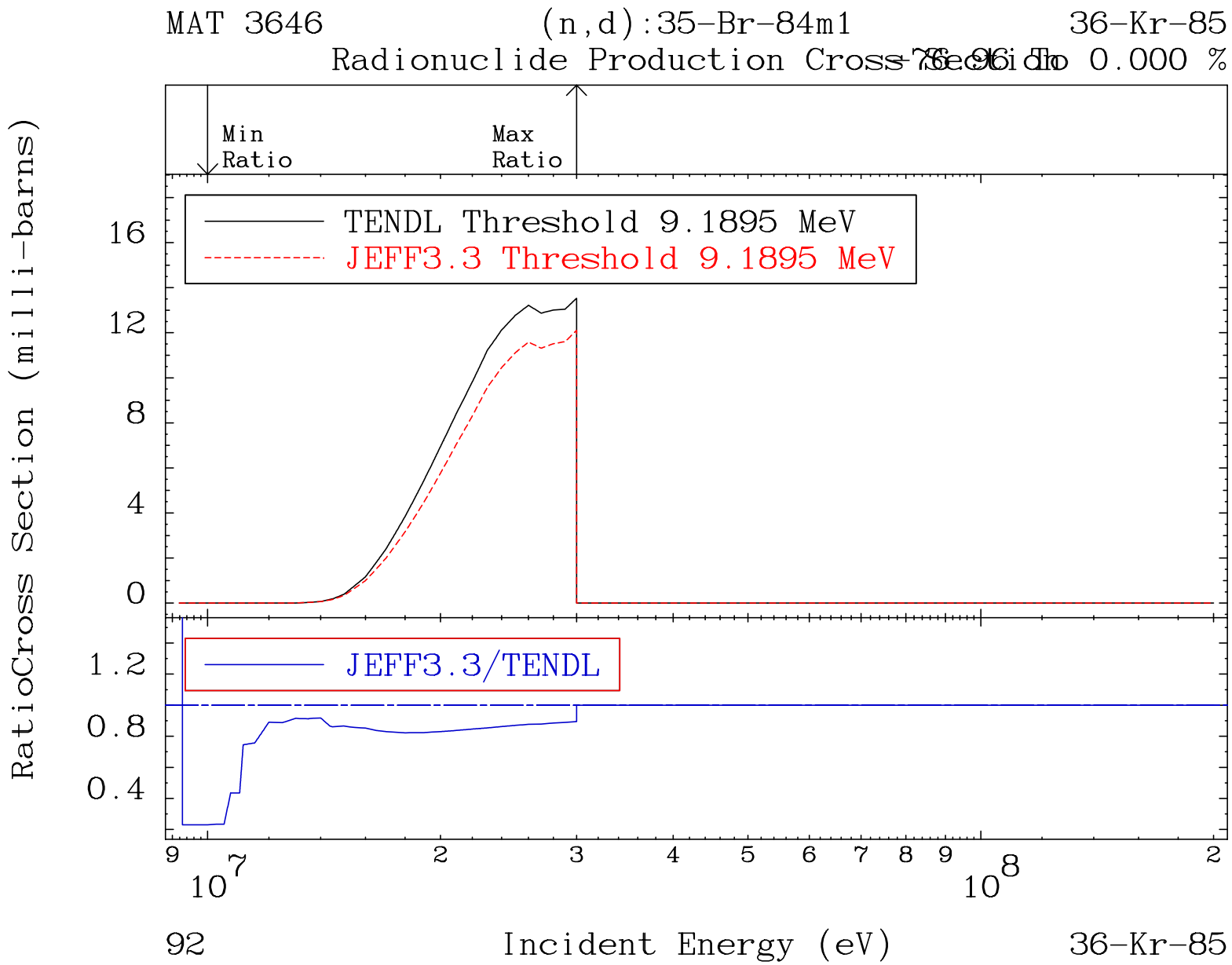

MAT 3646
(n,3n) p:35-Br-82g
36-Kr-85
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 27.739 MeV
JEFF3.3 Threshold 27.739 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
16
12
8
4
0
2.0
1.0
0.0
40
60
80
100
120
140
160
180
200
87
Incident Energy (MeV)
36-Kr-85

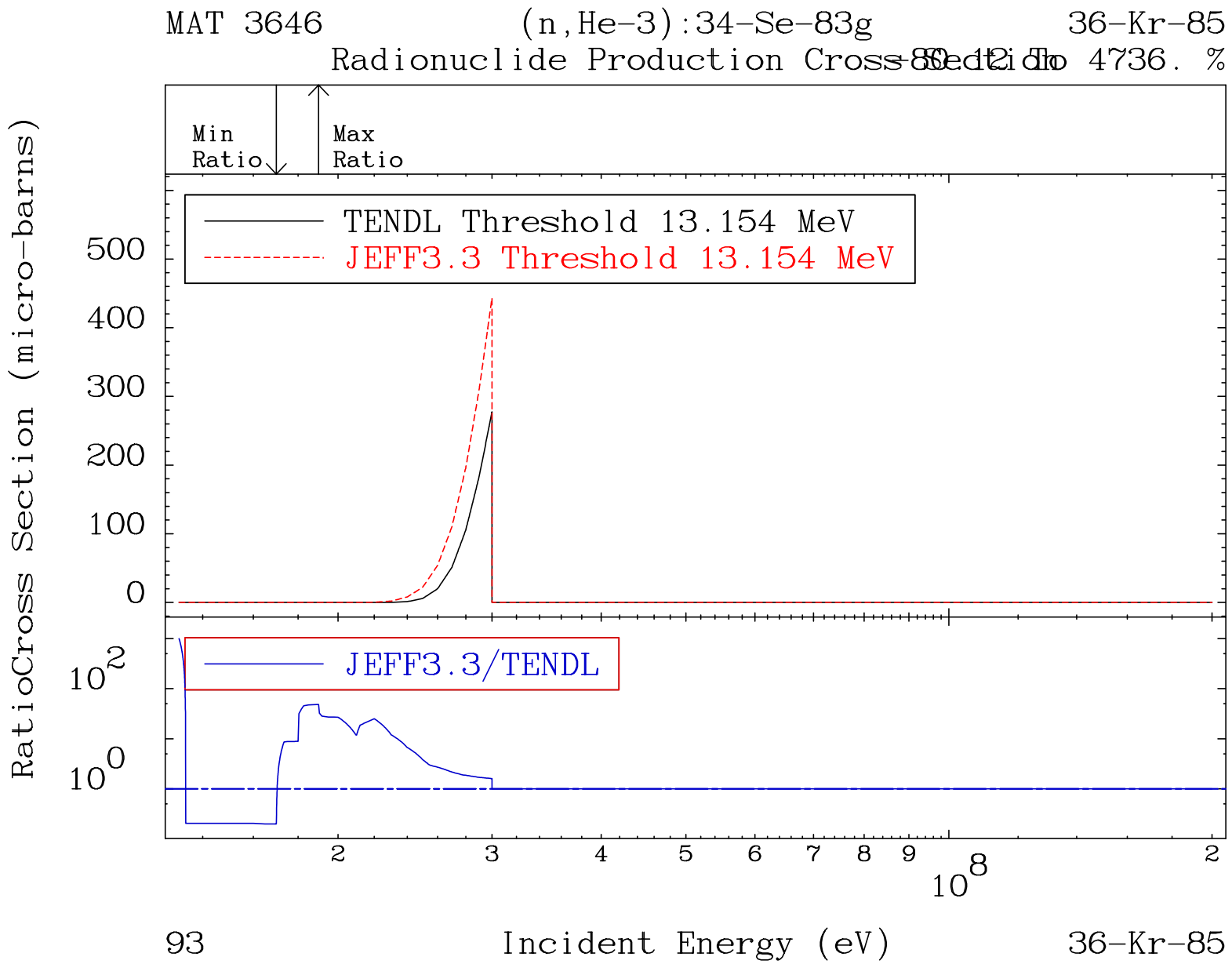

MAT 3646
(n,3n) p:35-Br-82m1
36-Kr-85
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 27.785 MeV
JEFF3.3 Threshold 27.785 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
0
2
4
6
0.0
0.6
1.2
40
60
80
100
120
140
160
180
200
88
Incident Energy (MeV)
36-Kr-85

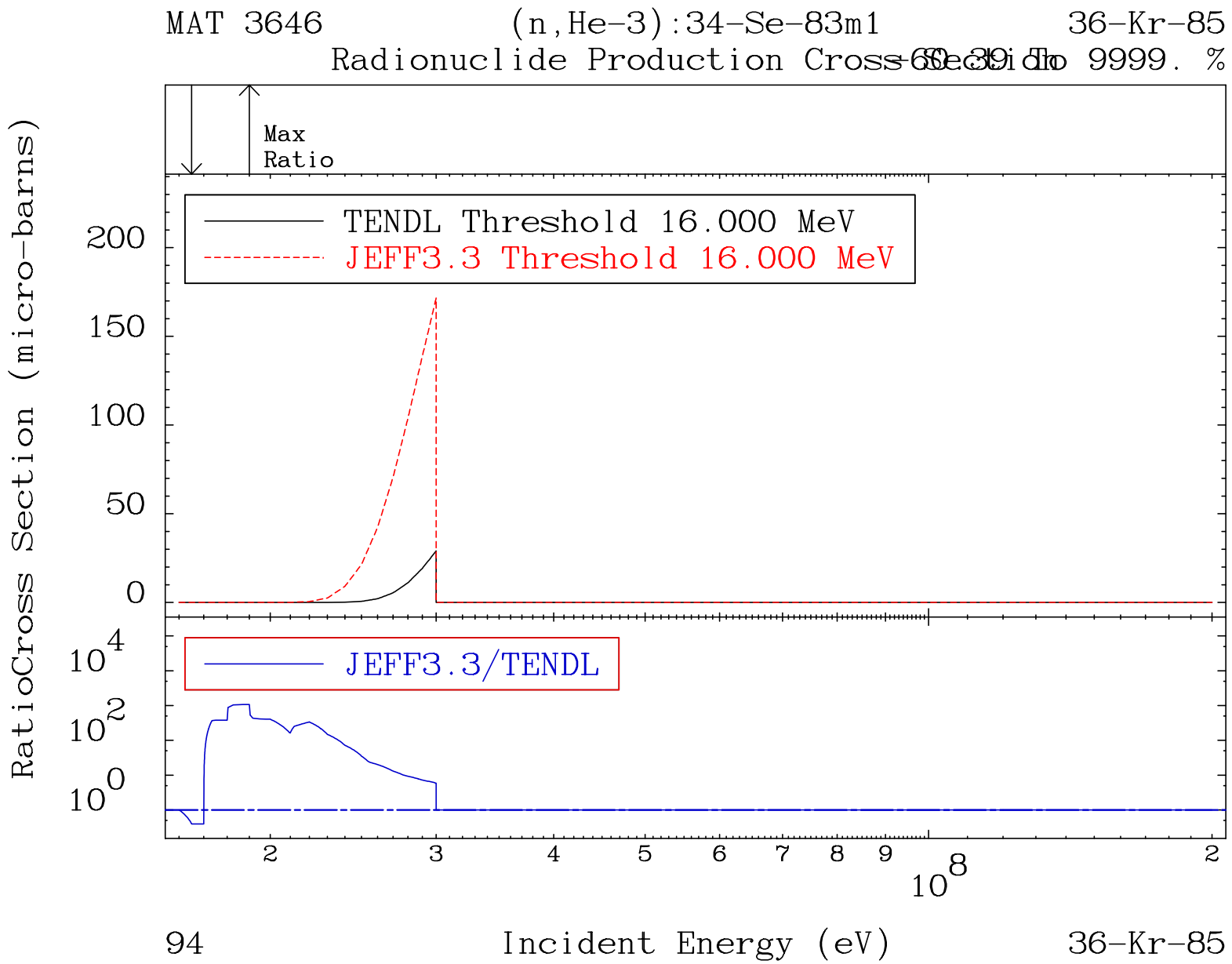

MAT 3646
(n,2n) p:34-Se-83g
36-Kr-85
Radionuclide Production Cross Section To 305.4 %
Max
Ratio
TENDL Threshold 20.964 MeV
JEFF3.3 Threshold 20.964 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
300
200
100
0
10^{2}
10^{0}
10^{-2}
10^{-4}
20
40
60
80
100
120
140
160
180
200
89
Incident Energy (MeV)
36-Kr-85

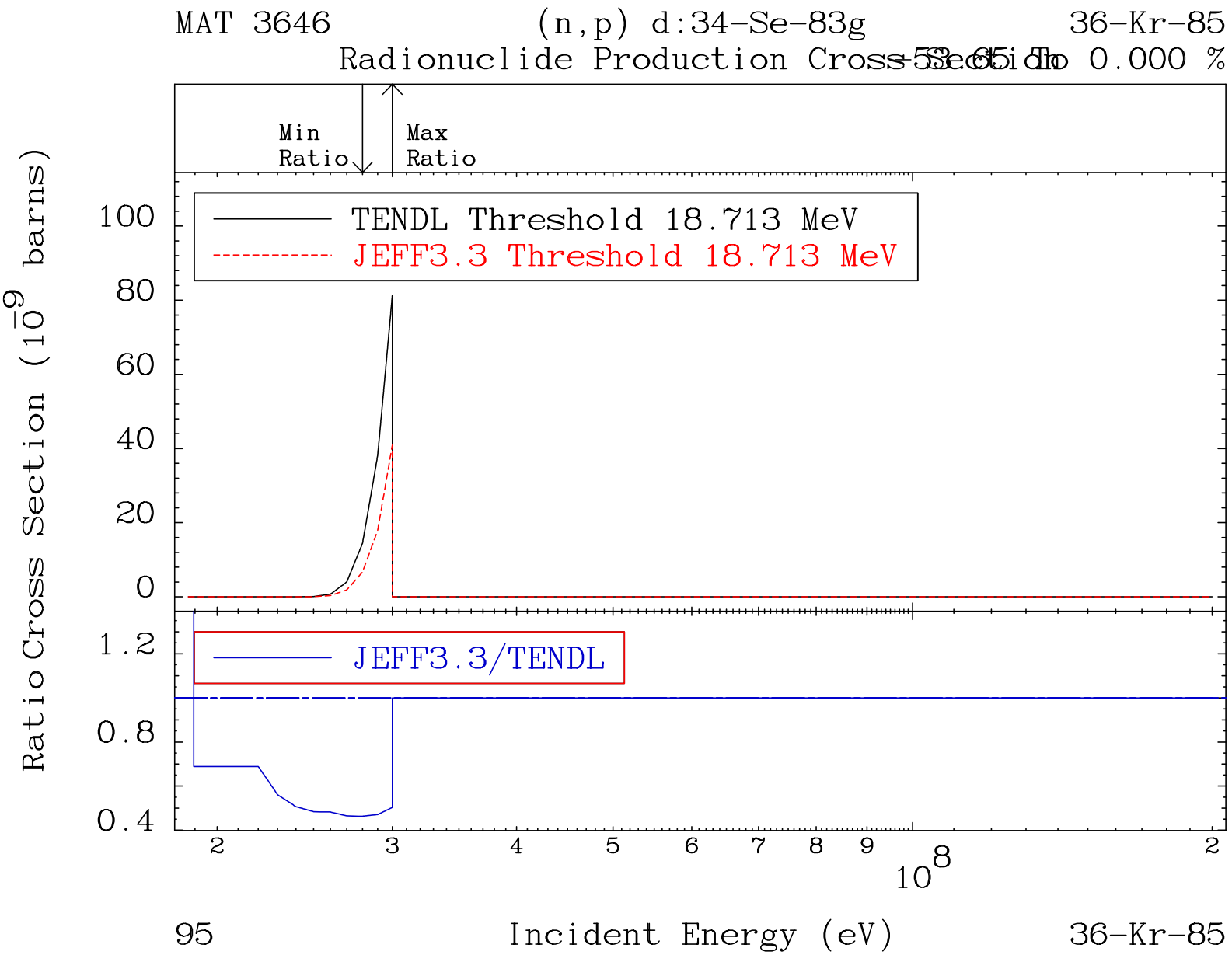

MAT 3646 (n,2n) p:34-Se-83m1 36-Kr-85
Radionuclide Production Cross Section To 1583. %
Max
Ratio
TENDL Threshold 21.195 MeV
JEFF3.3 Threshold 23.000 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
Incident Energy (MeV)
90
36-Kr-85
0
10
20
30
40
0
10
20
20
40
60
80
100
120
140
160
180
200

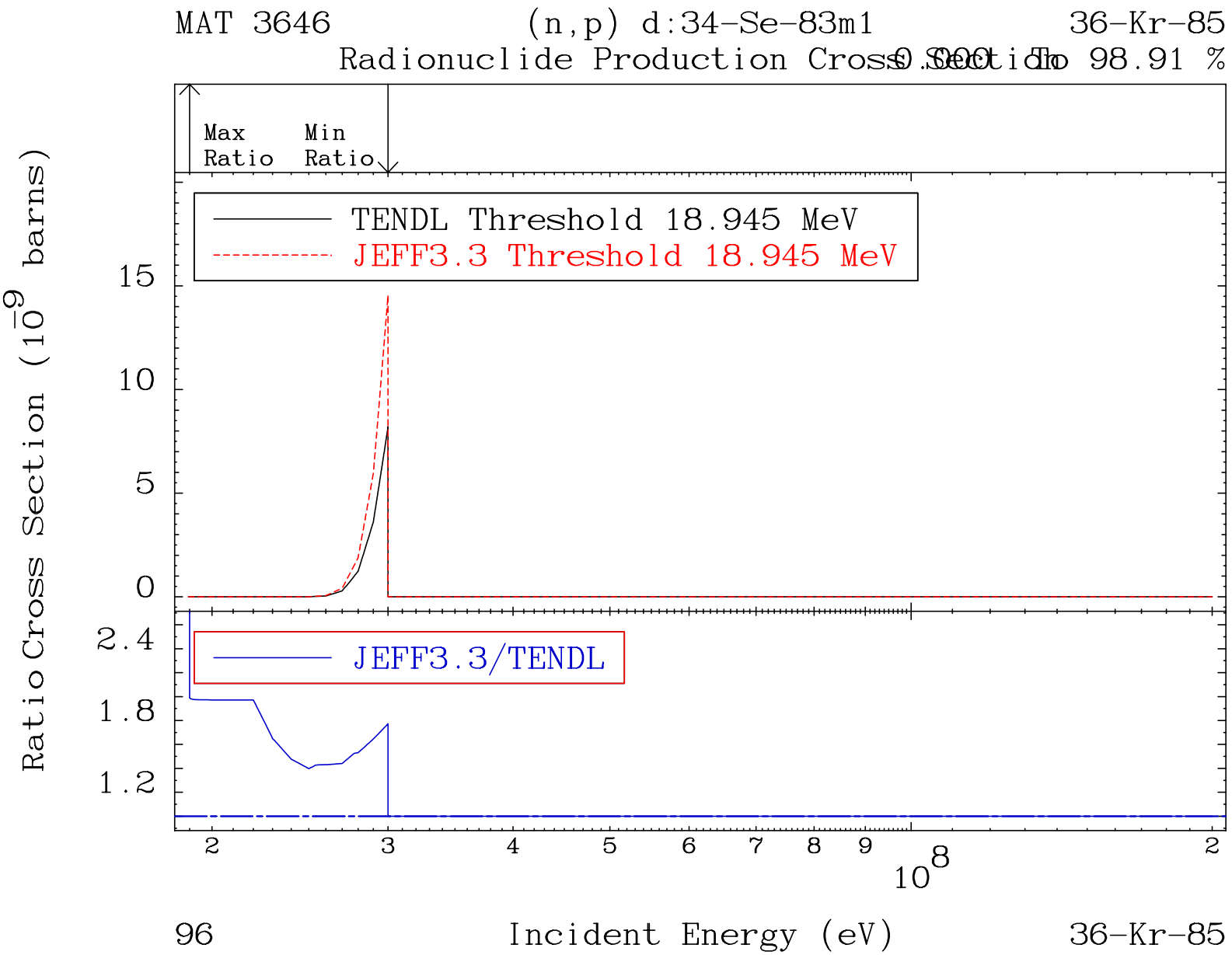

MAT 3646
(n,d):35-Br-84g
36-Kr-85
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 8.8657 MeV
JEFF3.3 Threshold 8.8657 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
91
36-Kr-85


MAT 3646
(n,d):35-Br-84m1
36-Kr-85
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 9.1895 MeV
JEFF3.3 Threshold 9.1895 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
1.2
0.8
0.4
9
10^7
2
3
4
5
6
7
8
9
10^8
2
92
Incident Energy (eV)
36-Kr-85


MAT 3646
(n,He-3):34-Se-83g
36-Kr-85
Radionuclide Production Cross Section To 4736. %
Min Ratio
Max Ratio
TENDL Threshold 13.154 MeV
JEFF3.3 Threshold 13.154 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
500
400
300
200
100
0
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
93
Incident Energy (eV)
36-Kr-85


MAT 3646
(n,He-3):34-Se-83m1
36-Kr-85
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 16.000 MeV
JEFF3.3 Threshold 16.000 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
200
150
100
50
0
10^4
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
94
Incident Energy (eV)
36-Kr-85


MAT 3646
(n,p) d:34-Se-83g
36-Kr-85
Radionuclide Production Cross Section To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 18.713 MeV
JEFF3.3 Threshold 18.713 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
100
80
60
40
20
0
1.2
0.8
0.4
2
3
4
5
6
7
8
9
10^8
2
95
Incident Energy (eV)
36-Kr-85


MAT 3646
(n,p) d:34-Se-83m1
36-Kr-85
Radionuclide Production Cross Section To 98.91 %
Max Ratio
Min Ratio
TENDL Threshold 18.945 MeV
JEFF3.3 Threshold 18.945 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
15
10
5
0
2.4
1.8
1.2
2
3
4
5
6
7
8
9
10^8
2
96
Incident Energy (eV)
36-Kr-85