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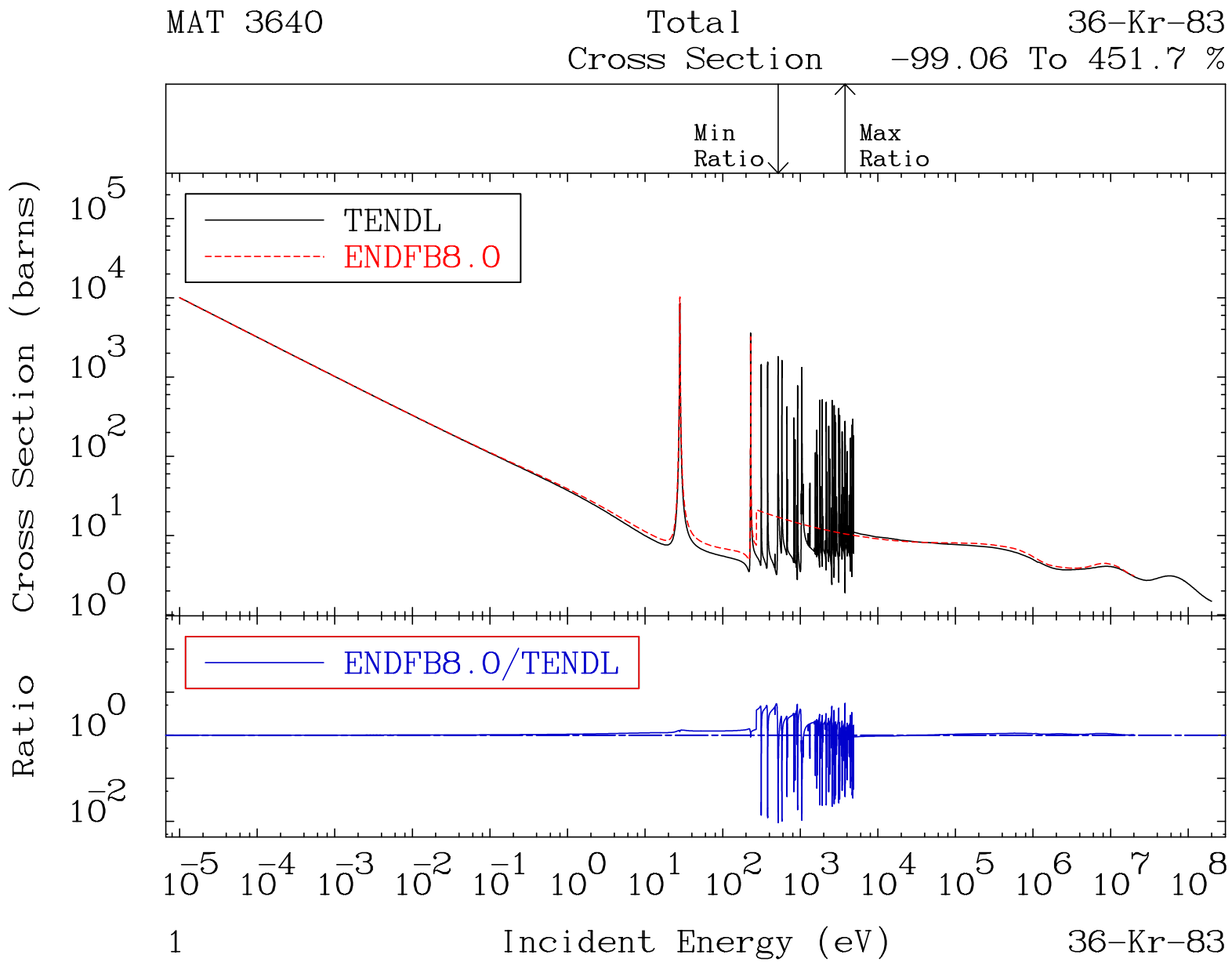
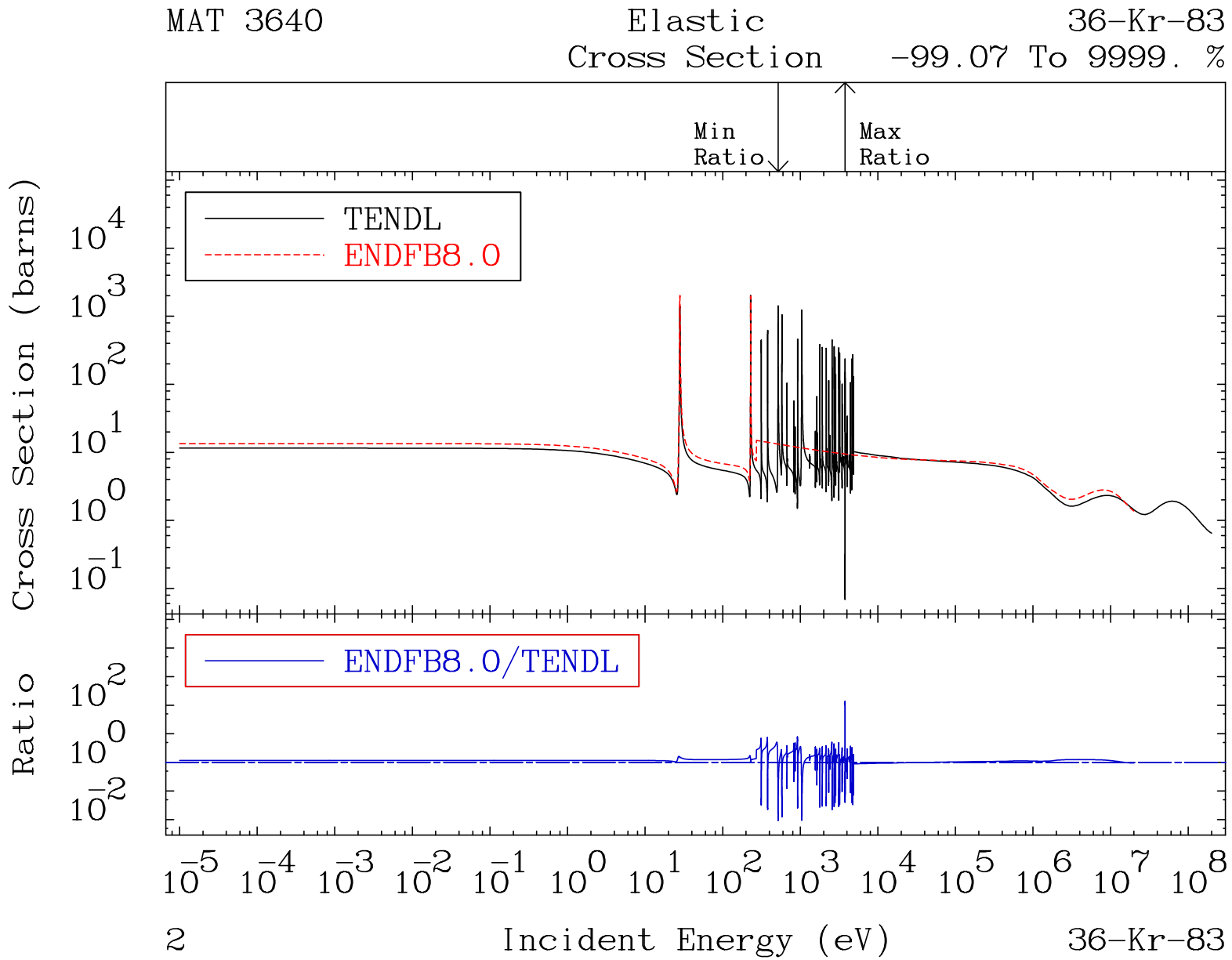
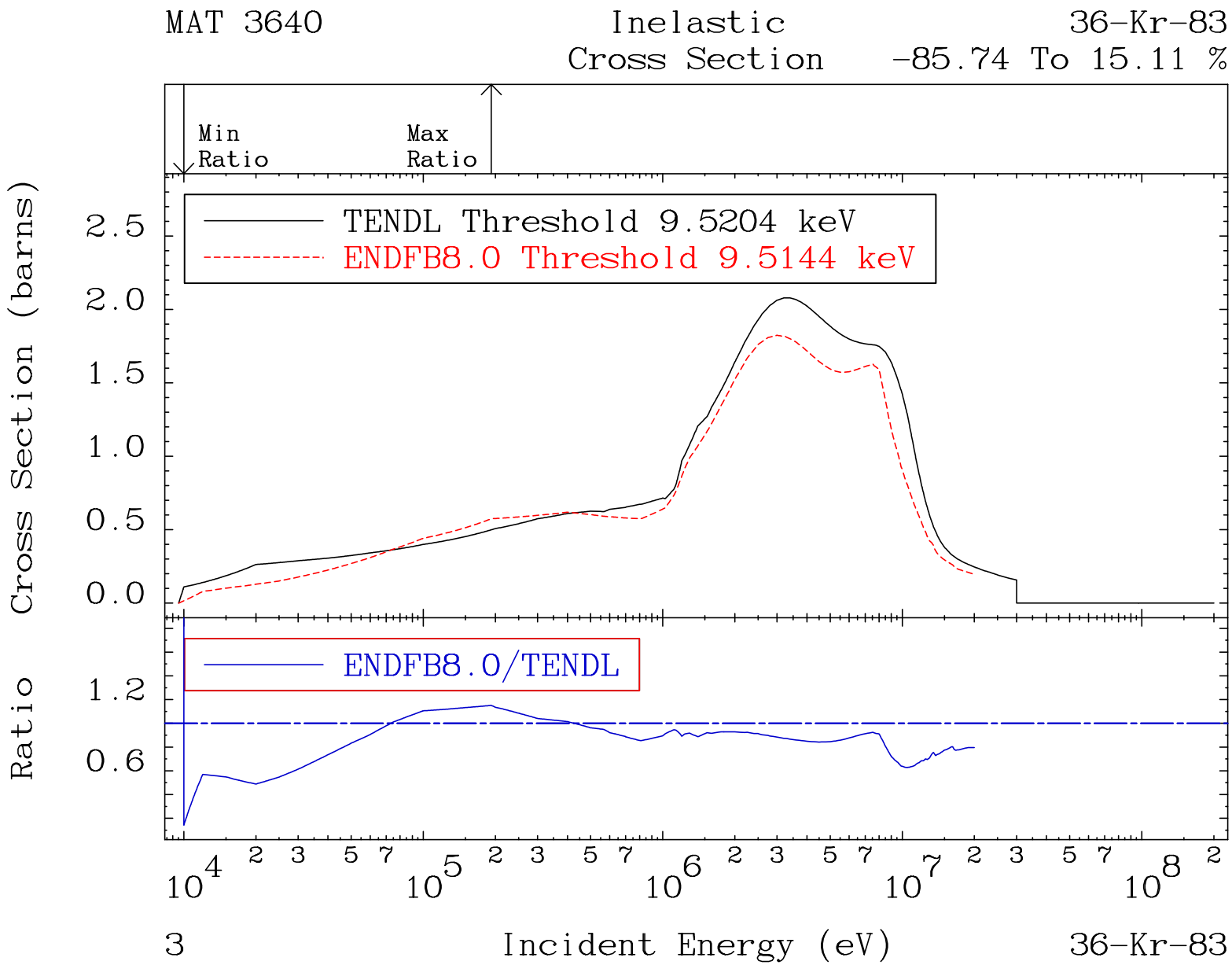
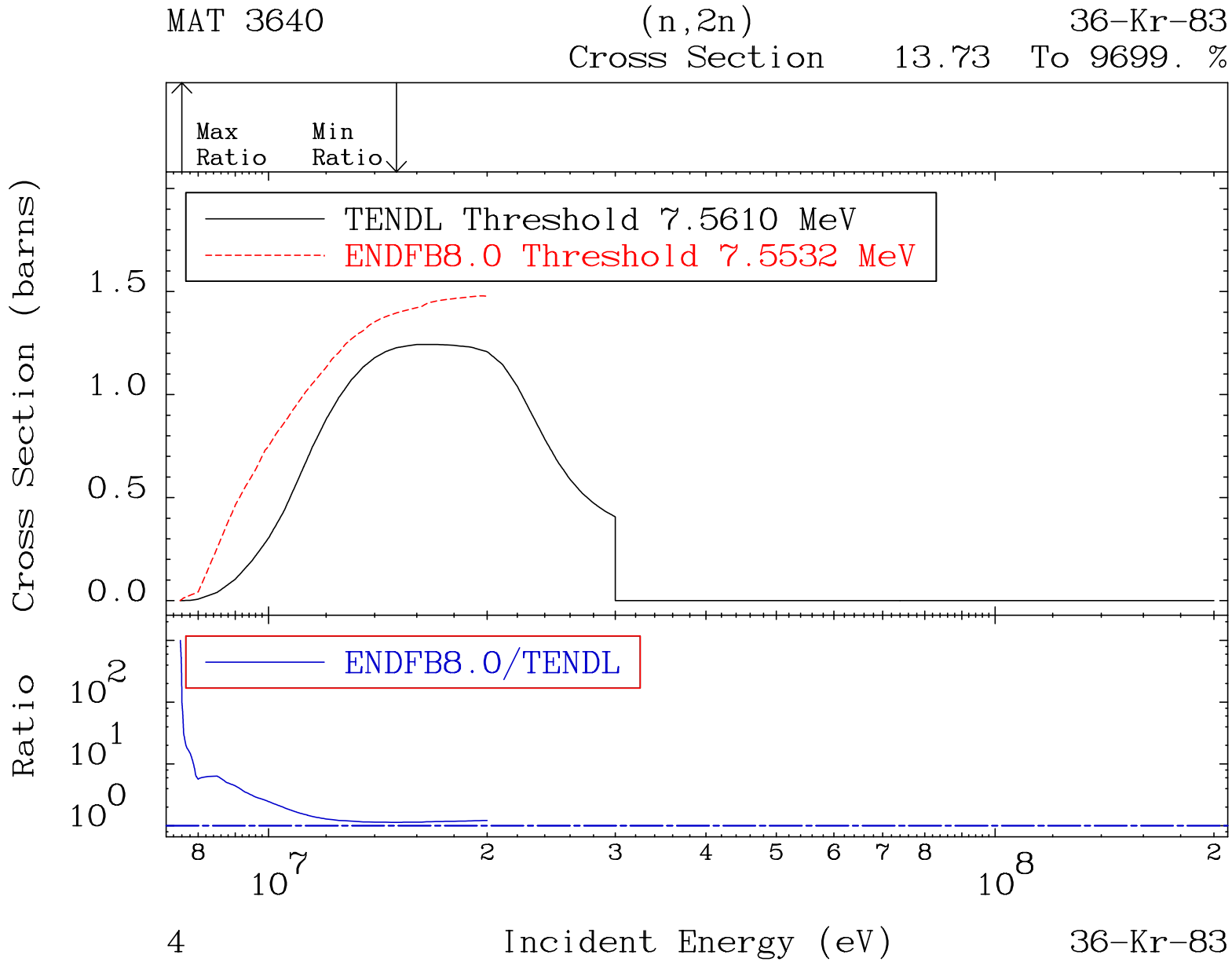
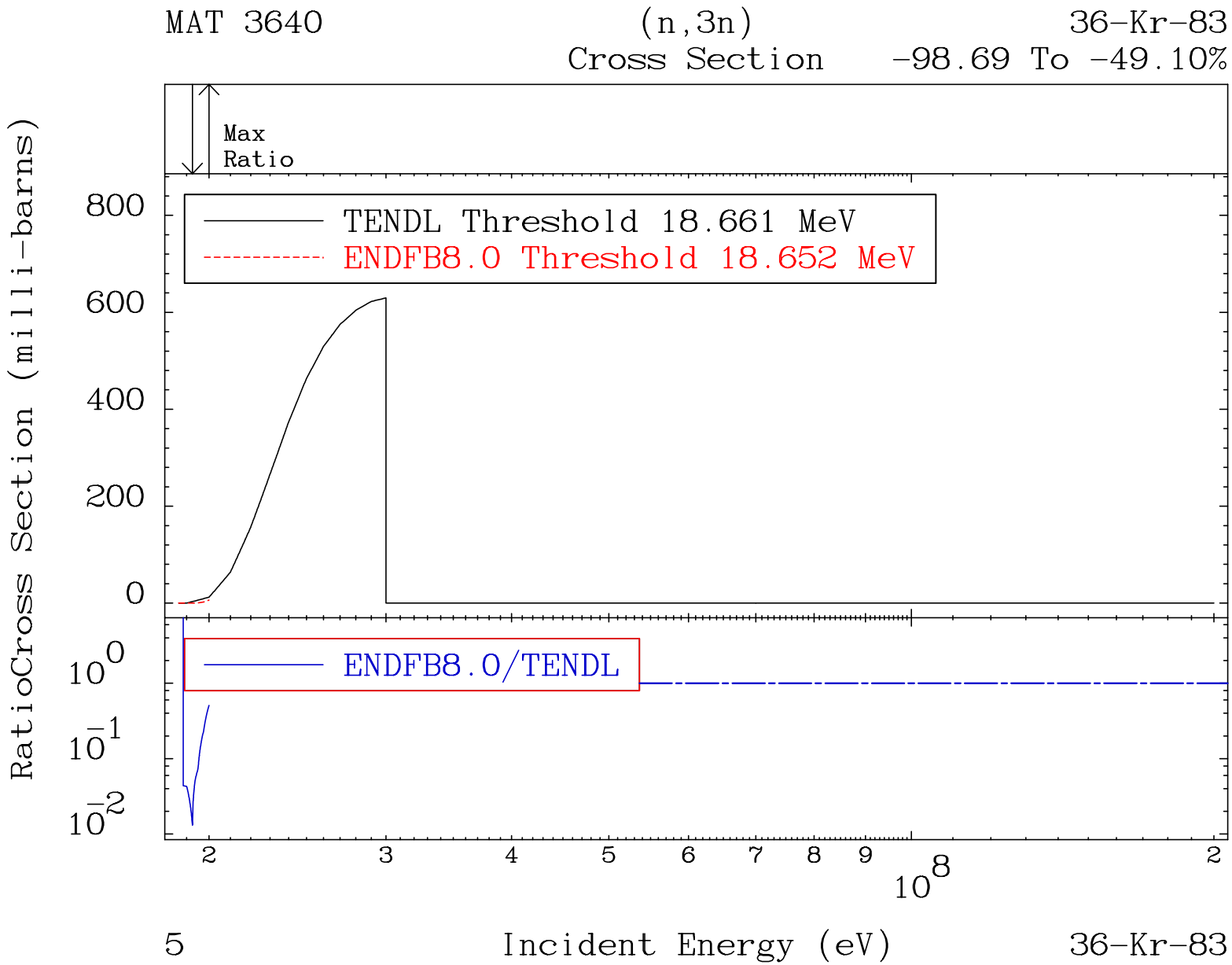
Press Mouse Button to Start

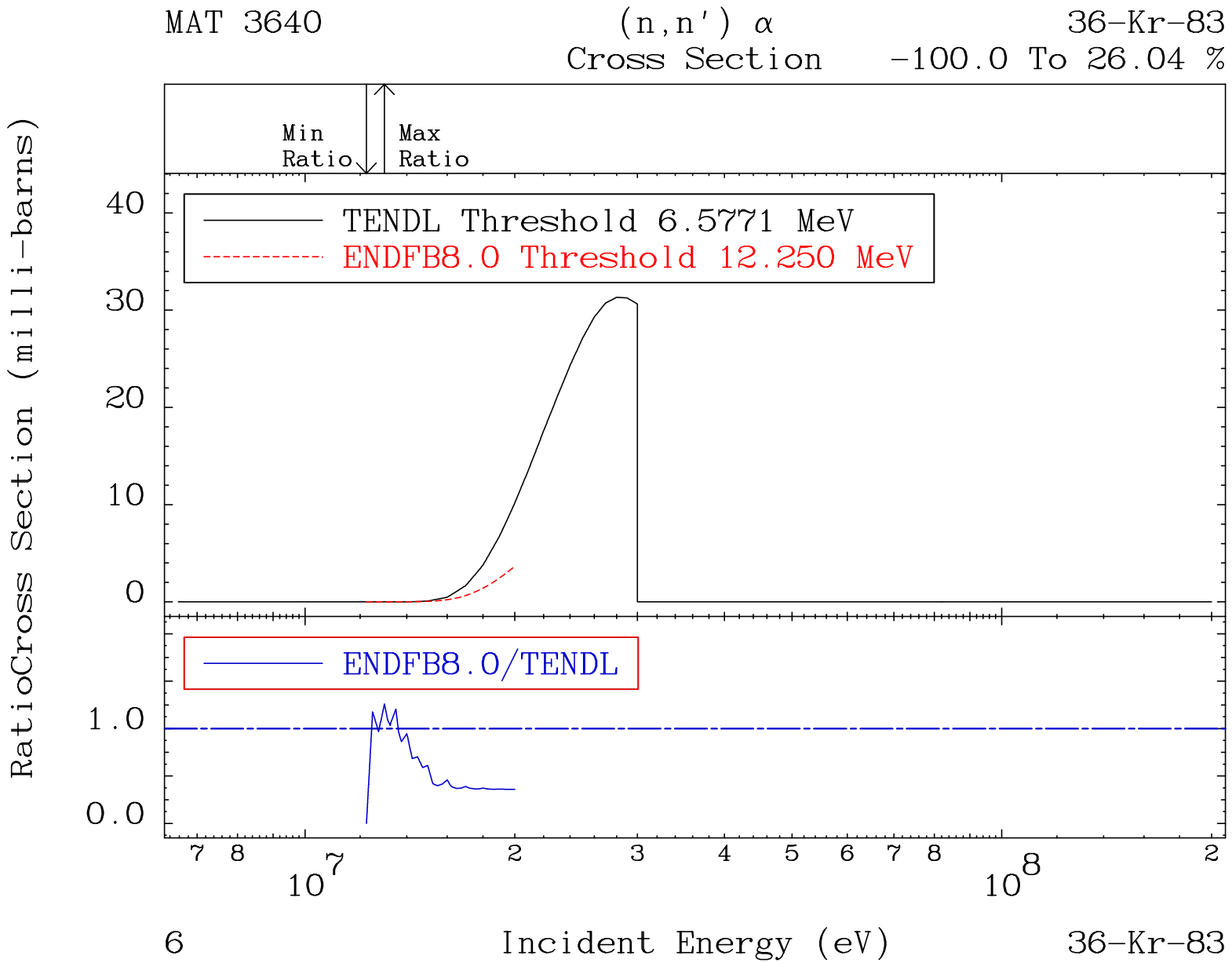

MAT 3640
Total
Cross Section
36-Kr-83
-99.06 To 451.7 %
Min
Ratio
Max
Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
36-Kr-83

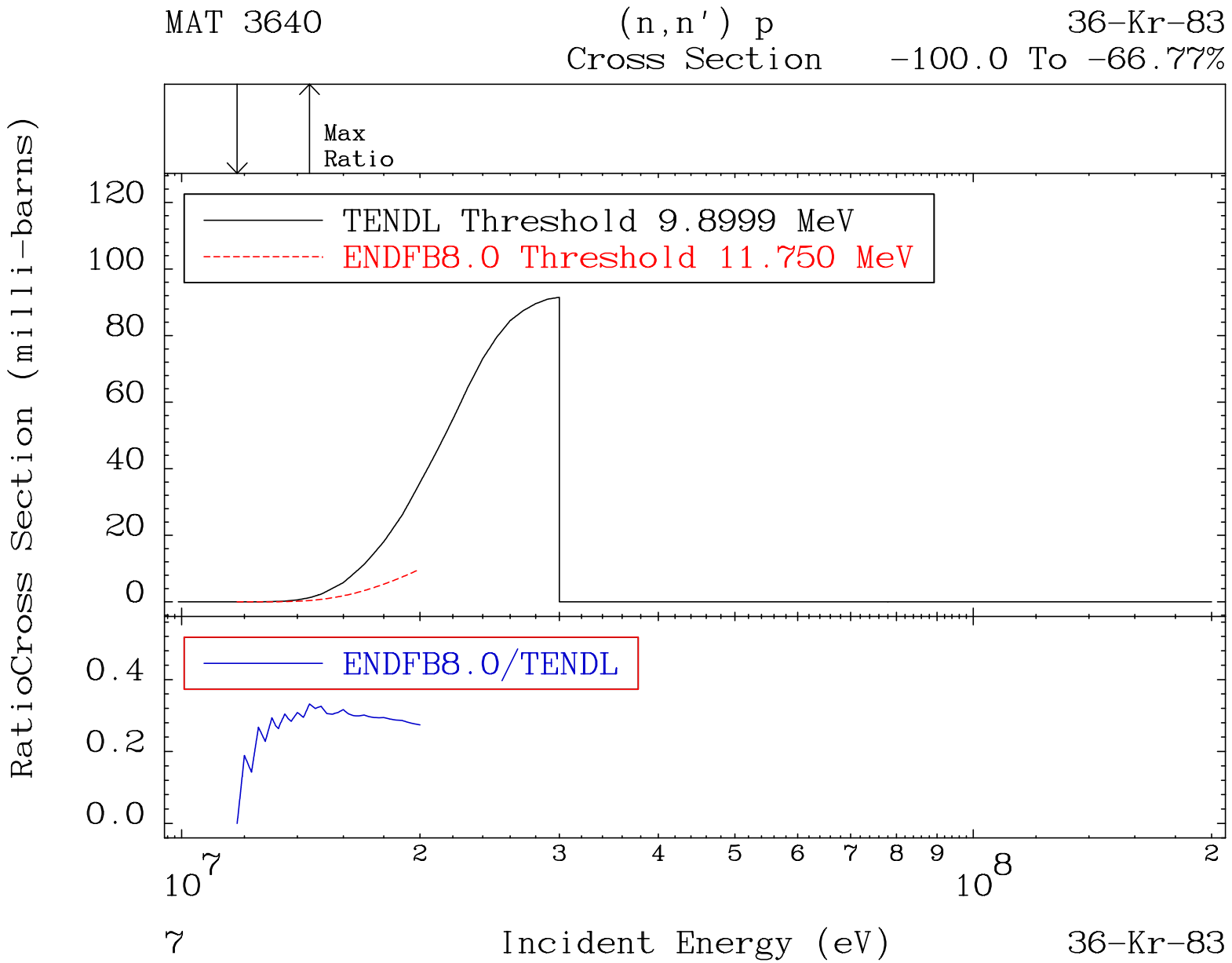

MAT 3640
Elastic
Cross Section
36-Kr-83
-99.07 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
2
36-Kr-83

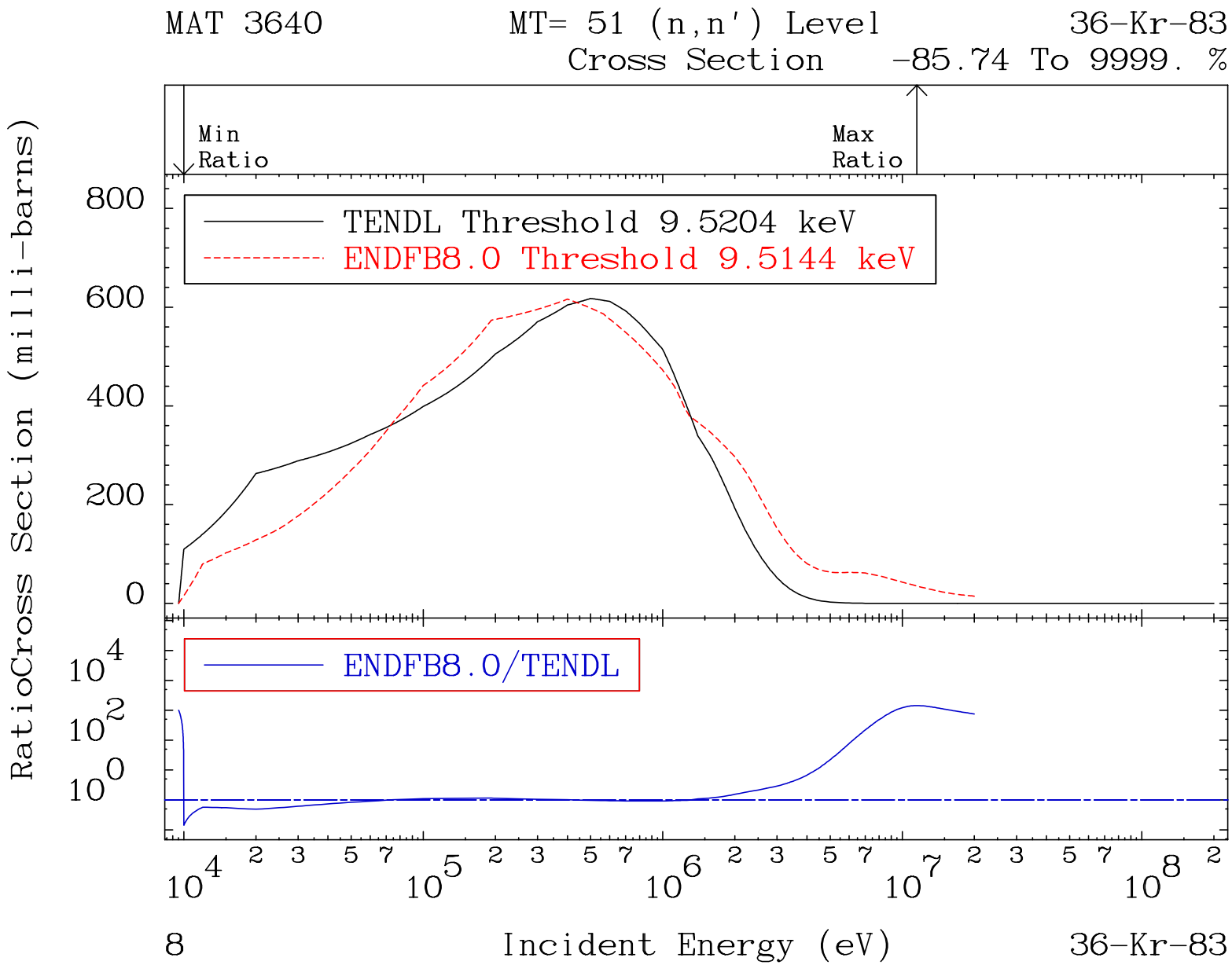

MAT 3640
Inelastic
Cross Section
36-Kr-83
-85.74 To 15.11 %
Min
Ratio
Max
Ratio
TENDL Threshold 9.5204 keV
ENDFB8.0 Threshold 9.5144 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
1.2
0.6
10^4
10^5
10^6
10^7
10^8
Incident Energy (eV)
3
36-Kr-83

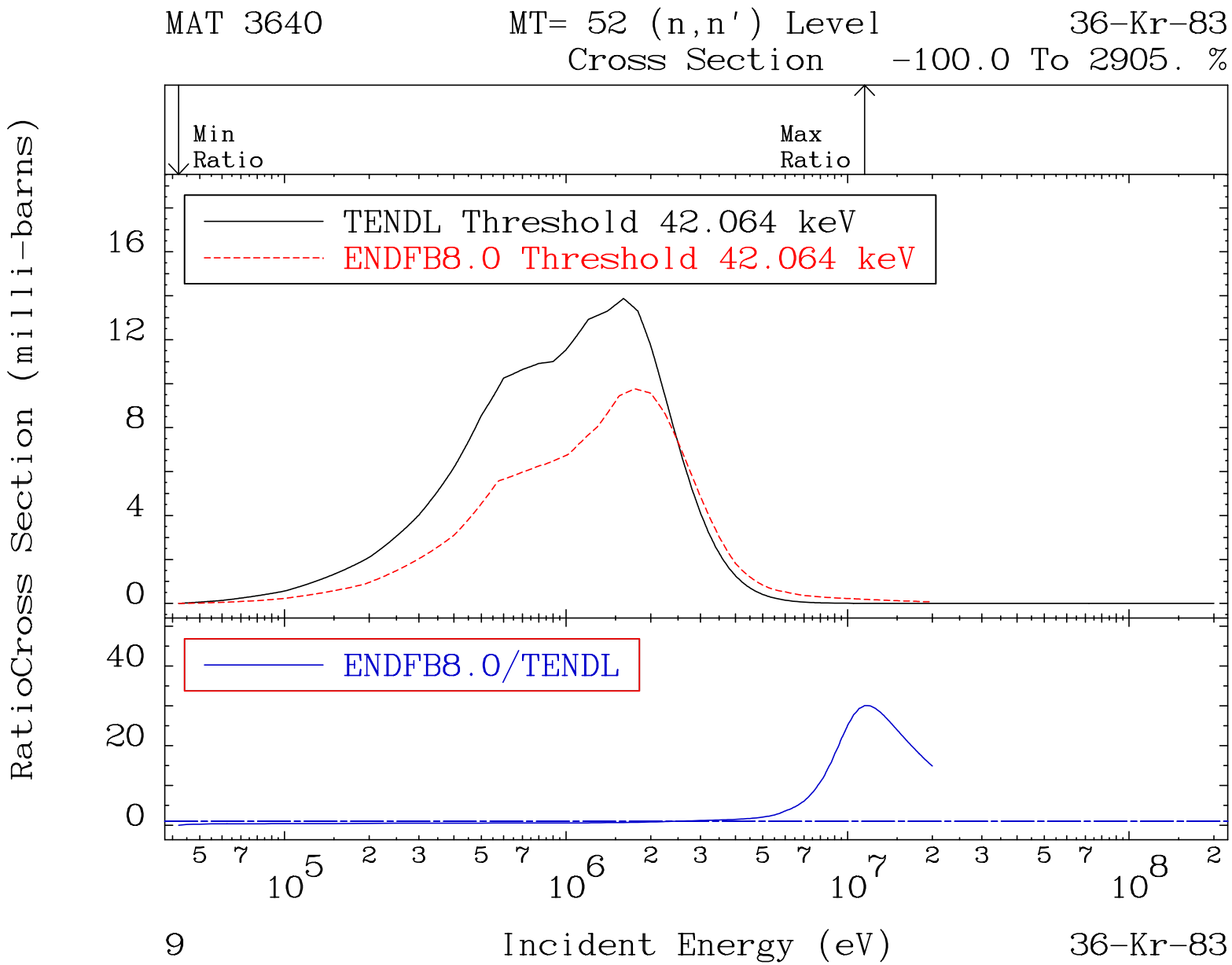

MAT 3640
(n,2n)
Cross Section
36-Kr-83
13.73 To 9699. %
Max Ratio
Min Ratio
TENDL Threshold 7.5610 MeV
ENDFB8.0 Threshold 7.5532 MeV
Cross Section (barns)
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
10^2
10^1
10^0
8
10^7
2
3
4
5
6
7
8
10^8
2
4
Incident Energy (eV)
36-Kr-83

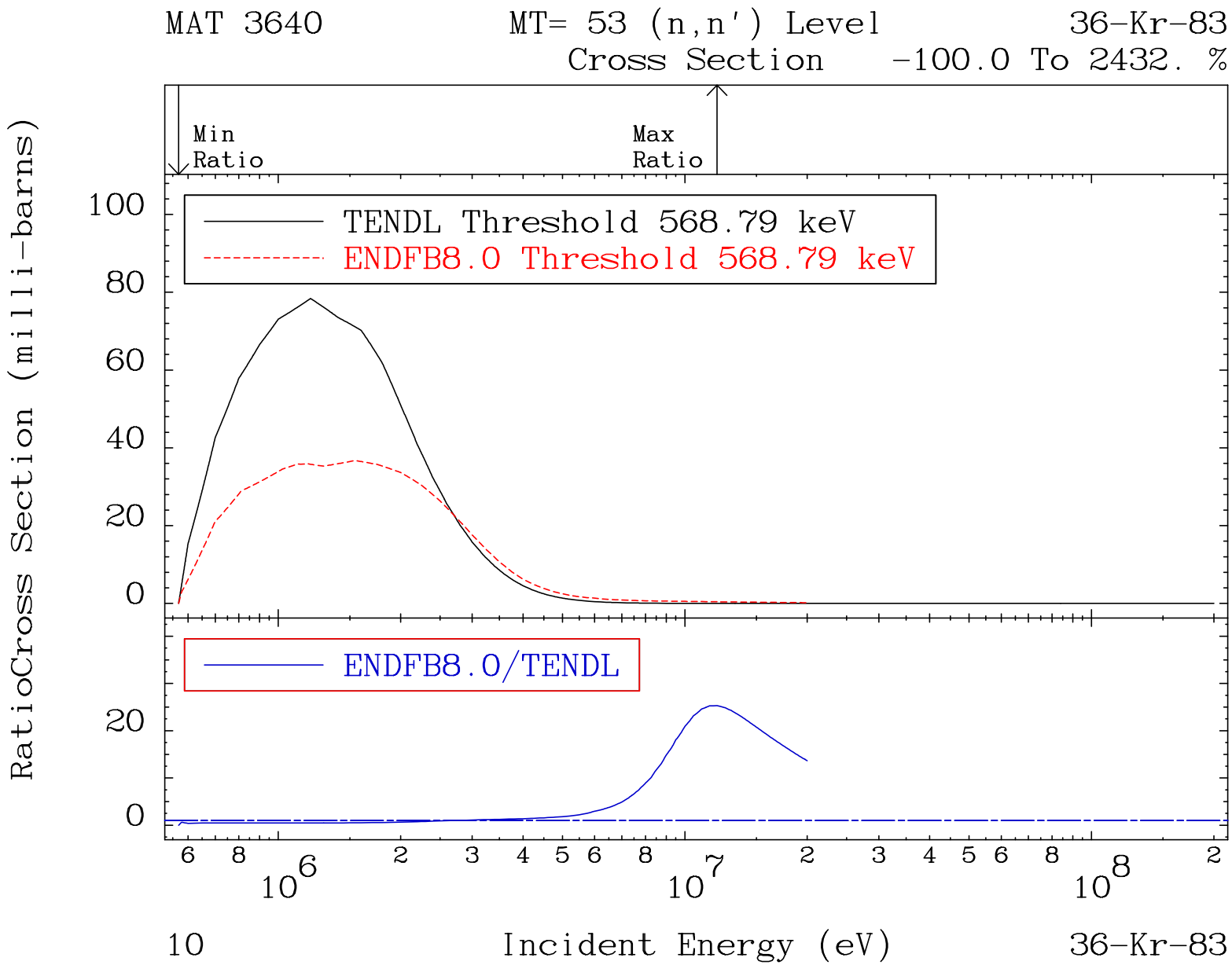

MAT 3640
(n,3n)
Cross Section
36-Kr-83
-98.69 To -49.10%
Max
Ratio
TENDL Threshold 18.661 MeV
ENDFB8.0 Threshold 18.652 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
10^0
10^-1
10^-2
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
36-Kr-83

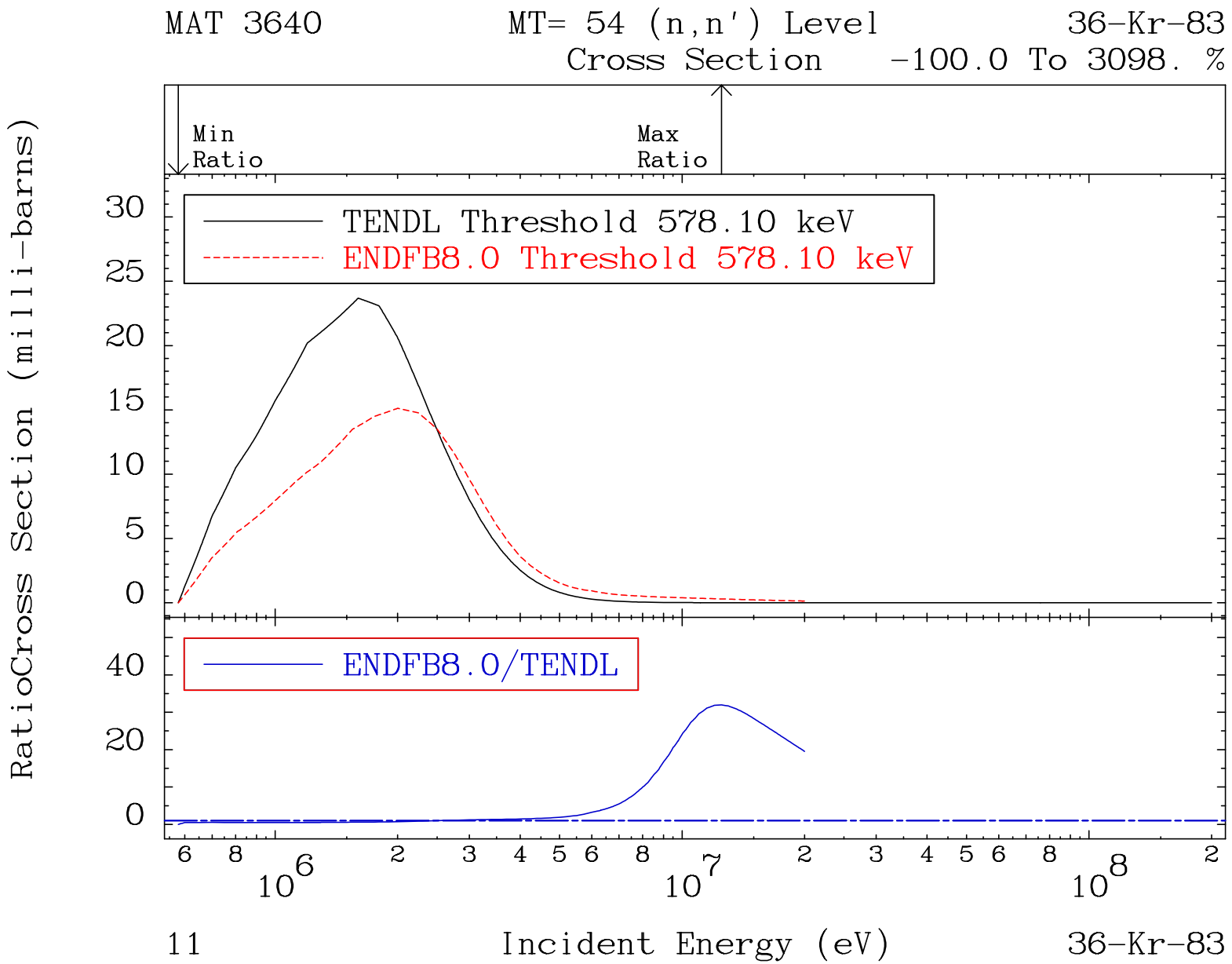

MAT 3640
(n,n') α
Cross Section
36-Kr-83
-100.0 To 26.04 %
Min Ratio
Max Ratio
TENDL Threshold 6.5771 MeV
ENDFB8.0 Threshold 12.250 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.0
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
6
Incident Energy (eV)
36-Kr-83

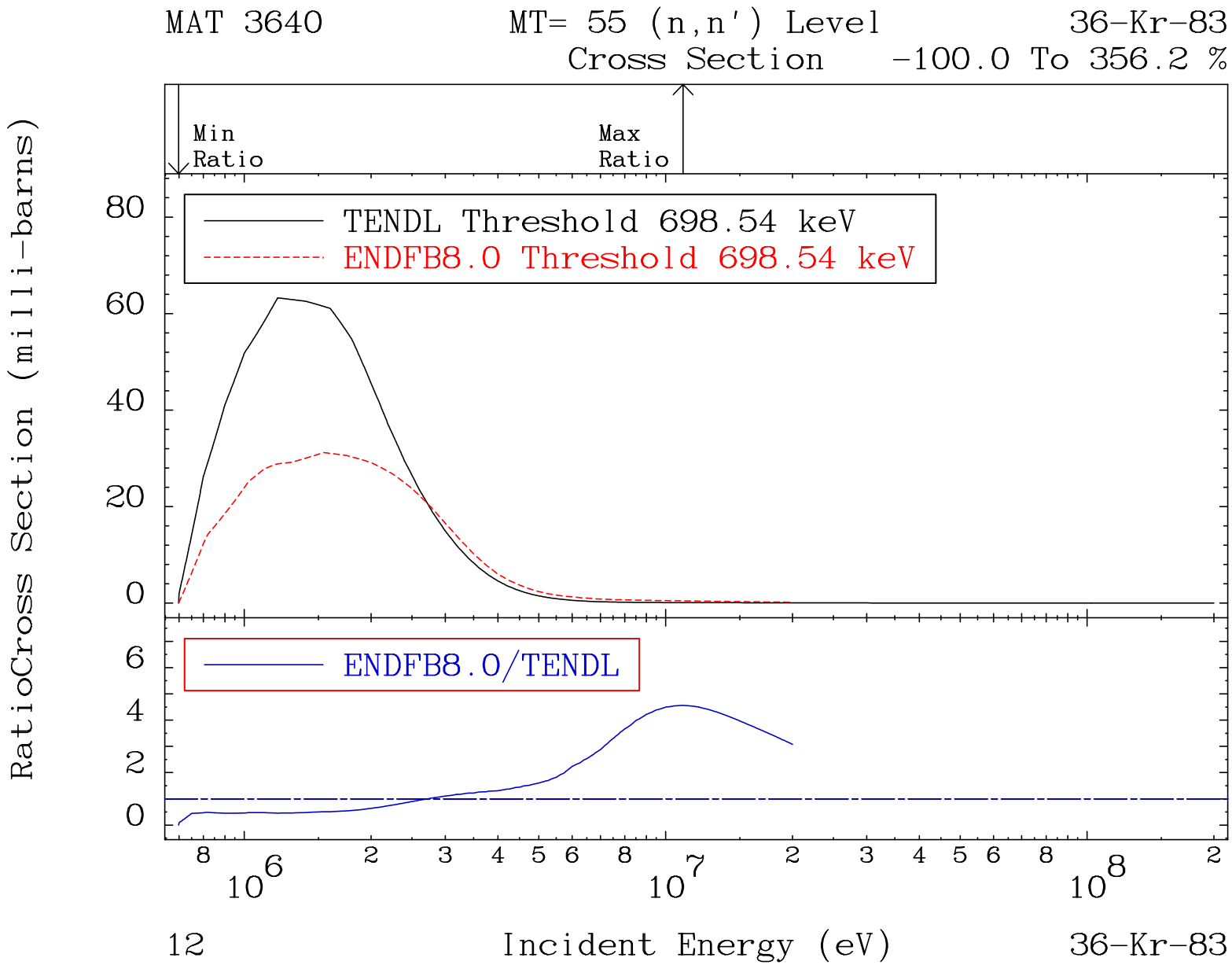

MAT 3640
(n,n') p
Cross Section
36-Kr-83
-100.0 To -66.77%
Max
Ratio
TENDL Threshold 9.8999 MeV
ENDFB8.0 Threshold 11.750 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
0.4
0.2
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
36-Kr-83

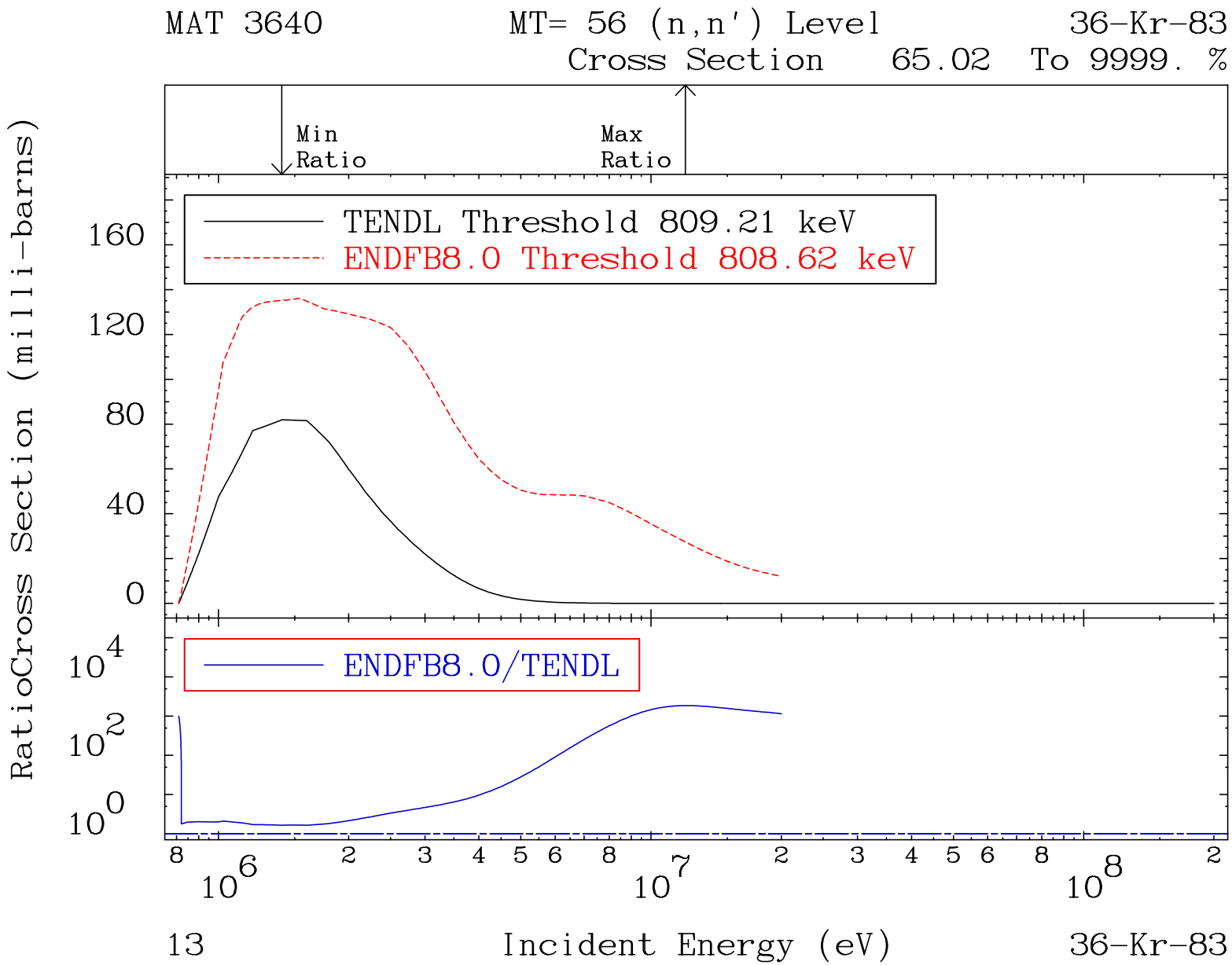

MAT 3640
MT= 51 (n,n') Level
36-Kr-83
Cross Section -85.74 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 9.5204 keV
ENDFB8.0 Threshold 9.5144 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
10^4
10^2
10^0
10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
8
Incident Energy (eV)
36-Kr-83

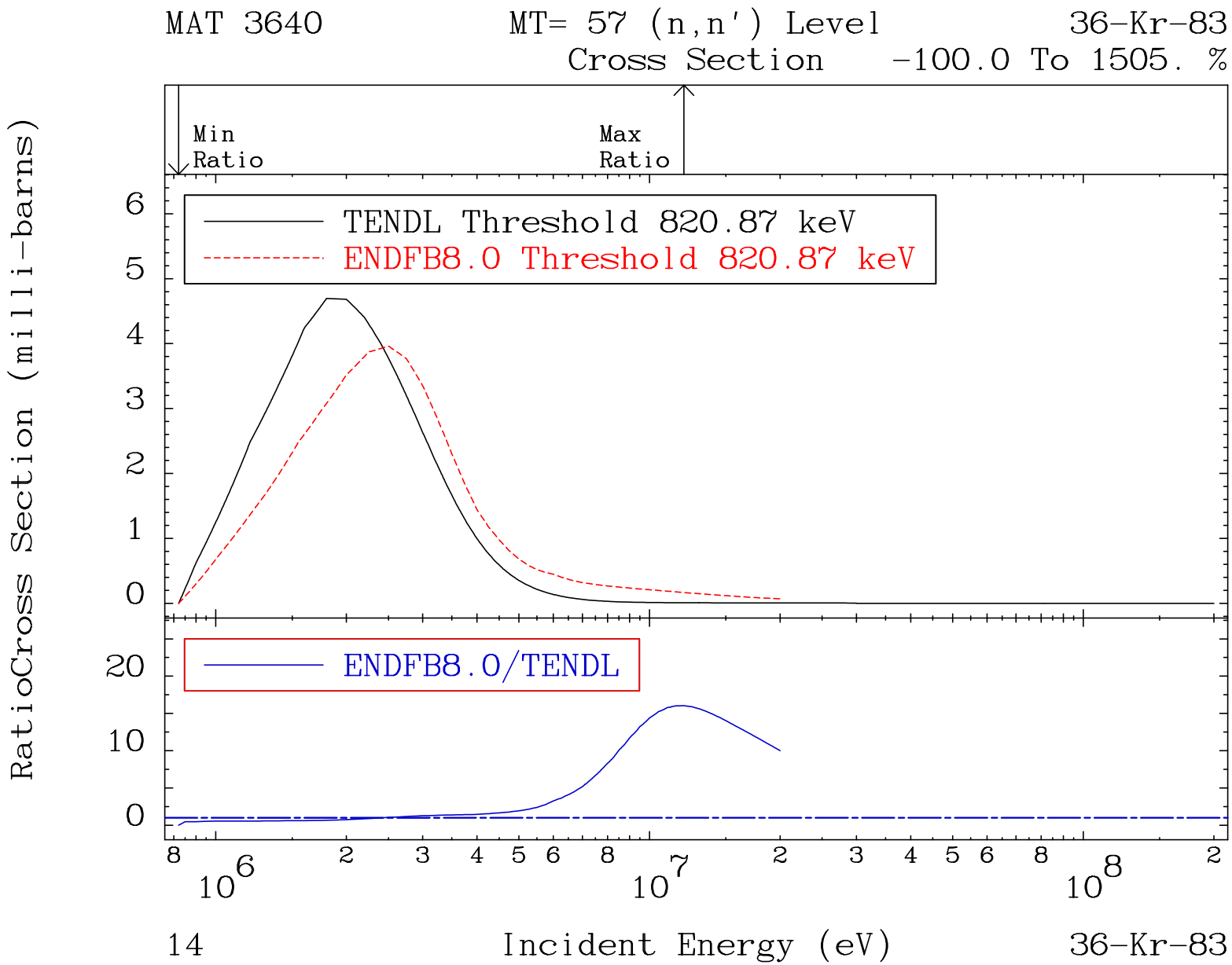

MAT 3640
MT= 52 (n,n') Level
36-Kr-83
Cross Section
-100.0 To 2905. %
Min Ratio
Max Ratio
TENDL Threshold 42.064 keV
ENDFB8.0 Threshold 42.064 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
9
36-Kr-83

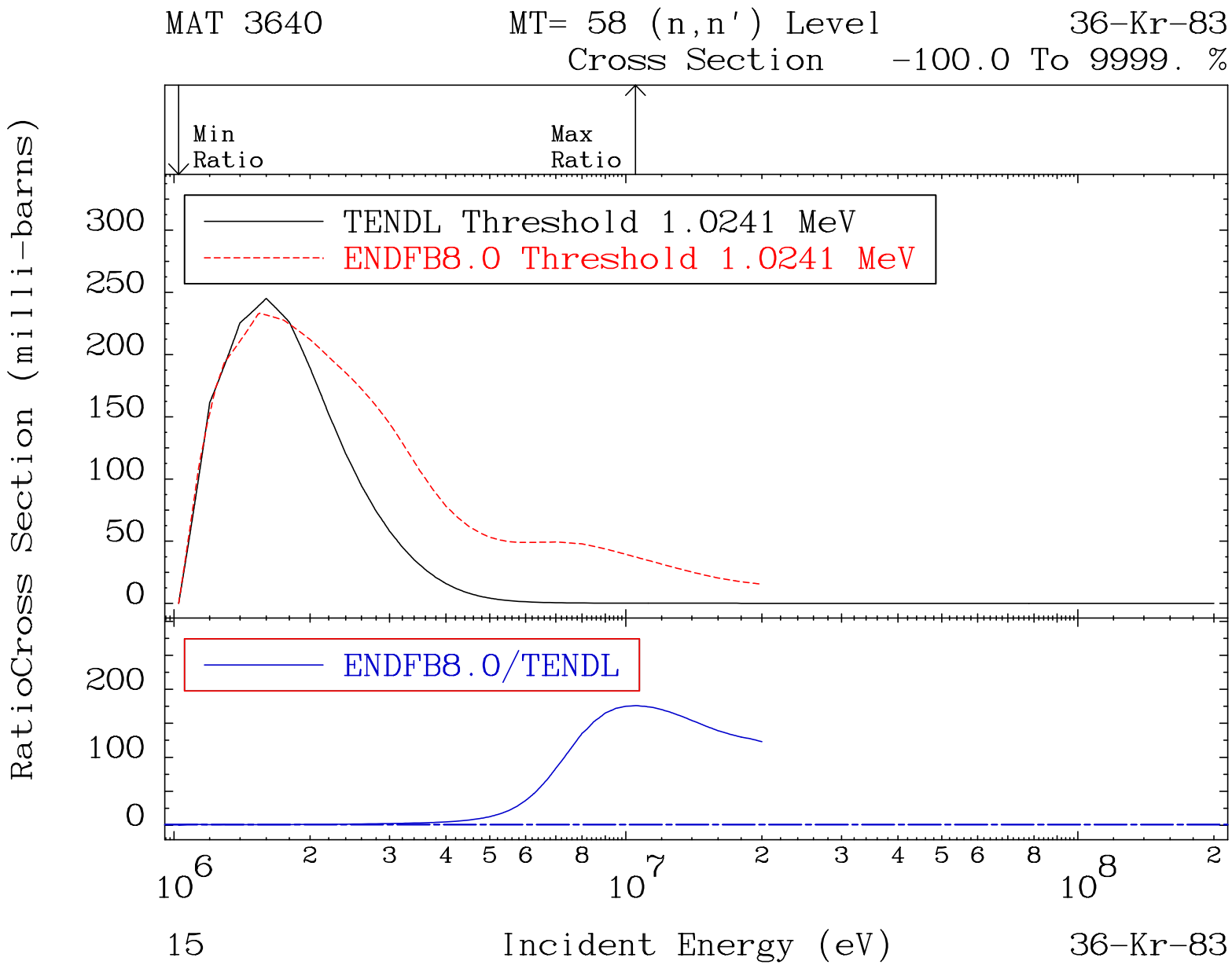

MAT 3640
MT= 53 (n,n') Level
36-Kr-83
Cross Section
-100.0 To 2432. %
Min Ratio
Max Ratio
TENDL Threshold 568.79 keV
ENDFB8.0 Threshold 568.79 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
36-Kr-83

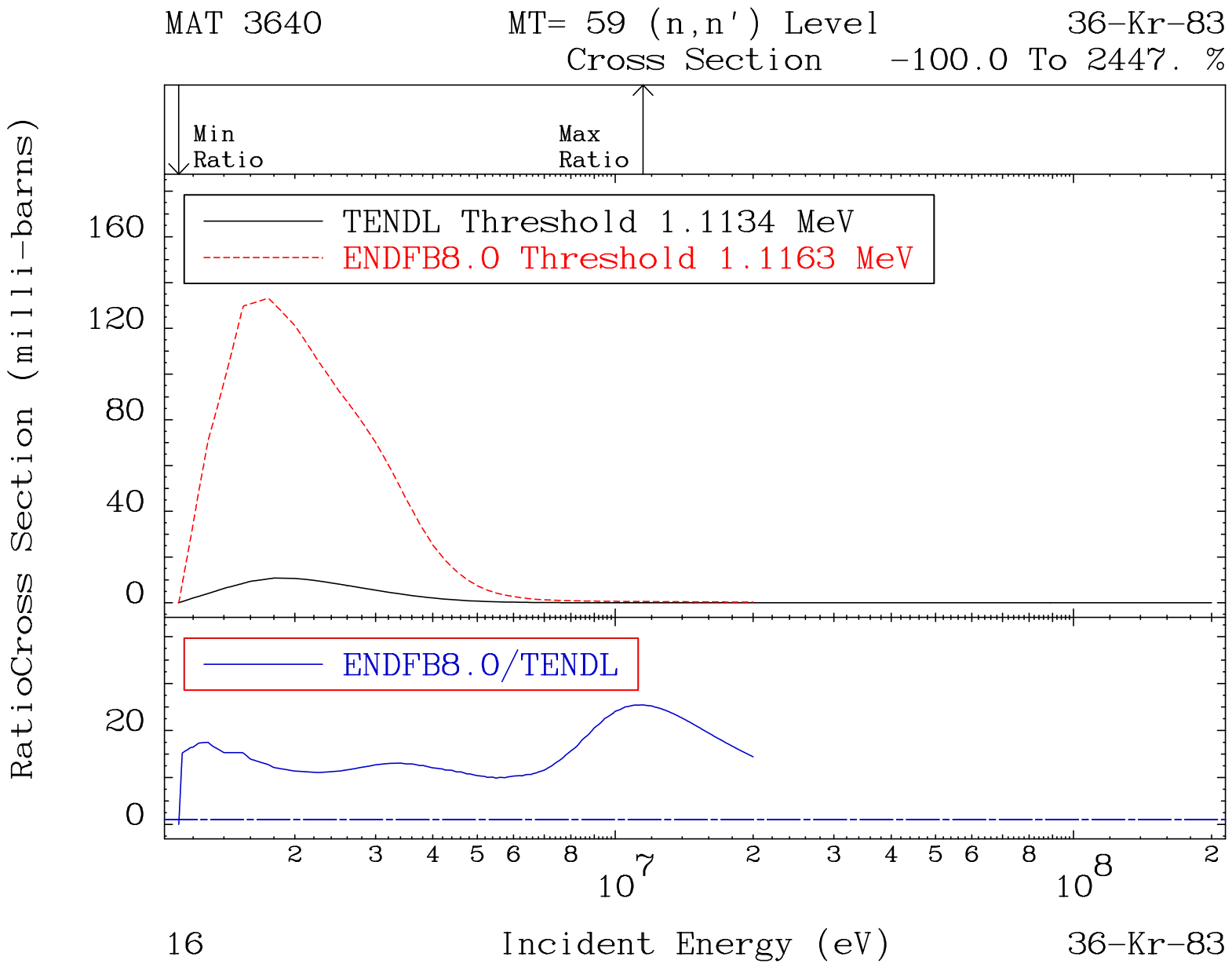

MAT 3640
MT= 54 (n,n') Level
36-Kr-83
Cross Section -100.0 To 3098. %
Min Ratio
Max Ratio
TENDL Threshold 578.10 keV
ENDFB8.0 Threshold 578.10 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
11
36-Kr-83

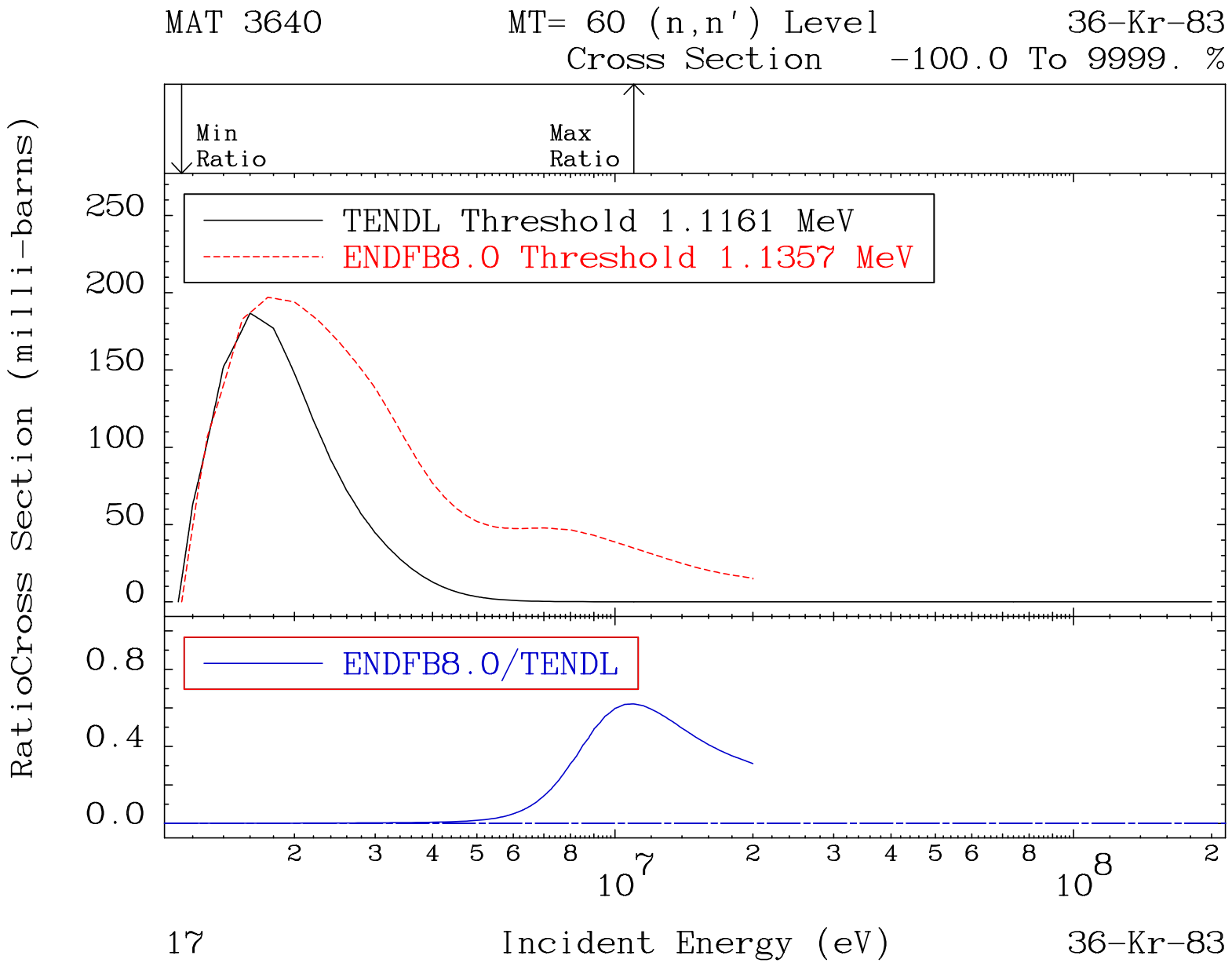

MAT 3640
MT= 55 (n,n') Level
36-Kr-83
Cross Section
-100.0 To 356.2 %
Min Ratio
Max Ratio
TENDL Threshold 698.54 keV
ENDFB8.0 Threshold 698.54 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
12
36-Kr-83

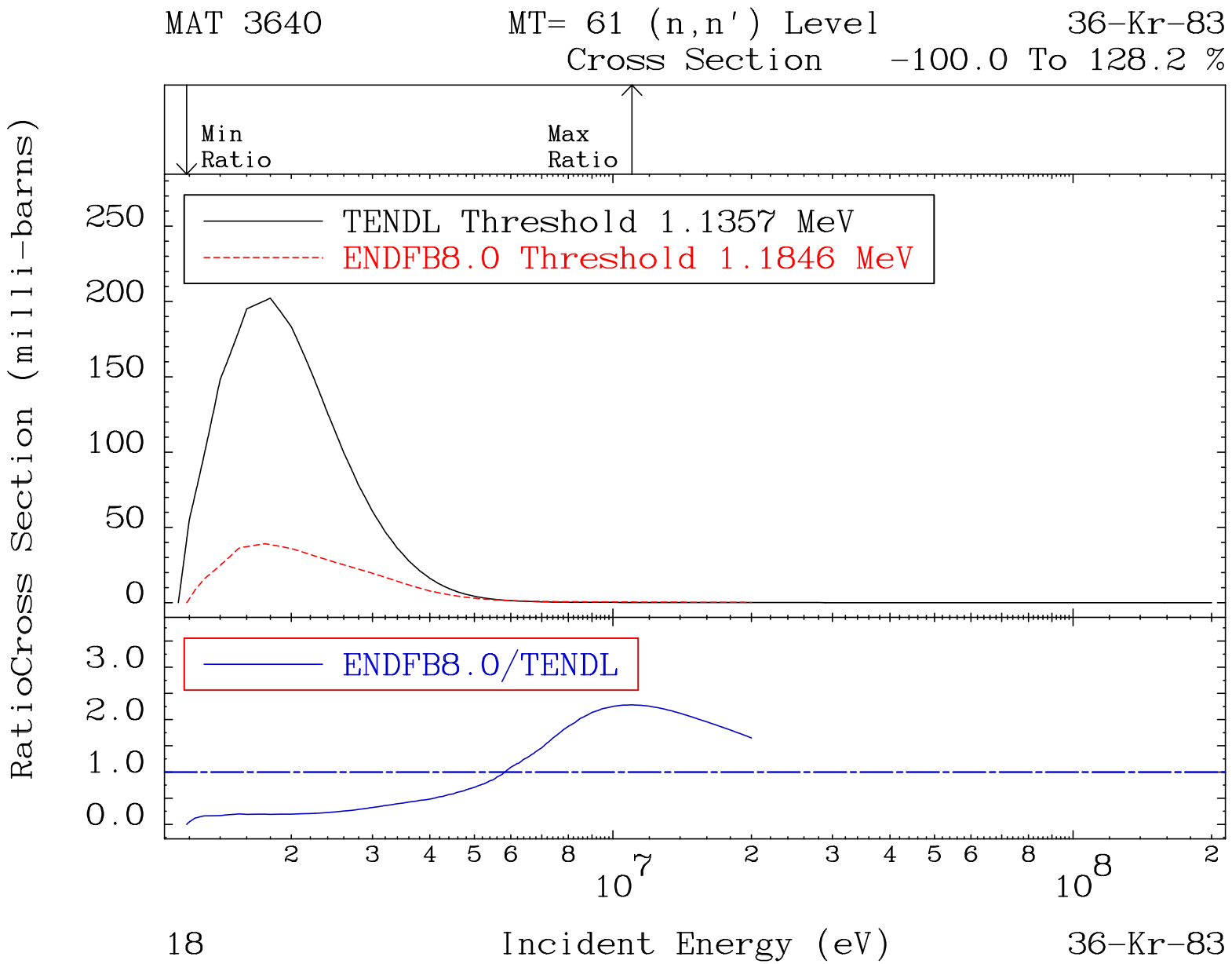

MAT 3640
MT= 56 (n,n') Level
36-Kr-83
Cross Section 65.02 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 809.21 keV
ENDFB8.0 Threshold 808.62 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^4
10^2
10^0
8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
13
Incident Energy (eV)
36-Kr-83

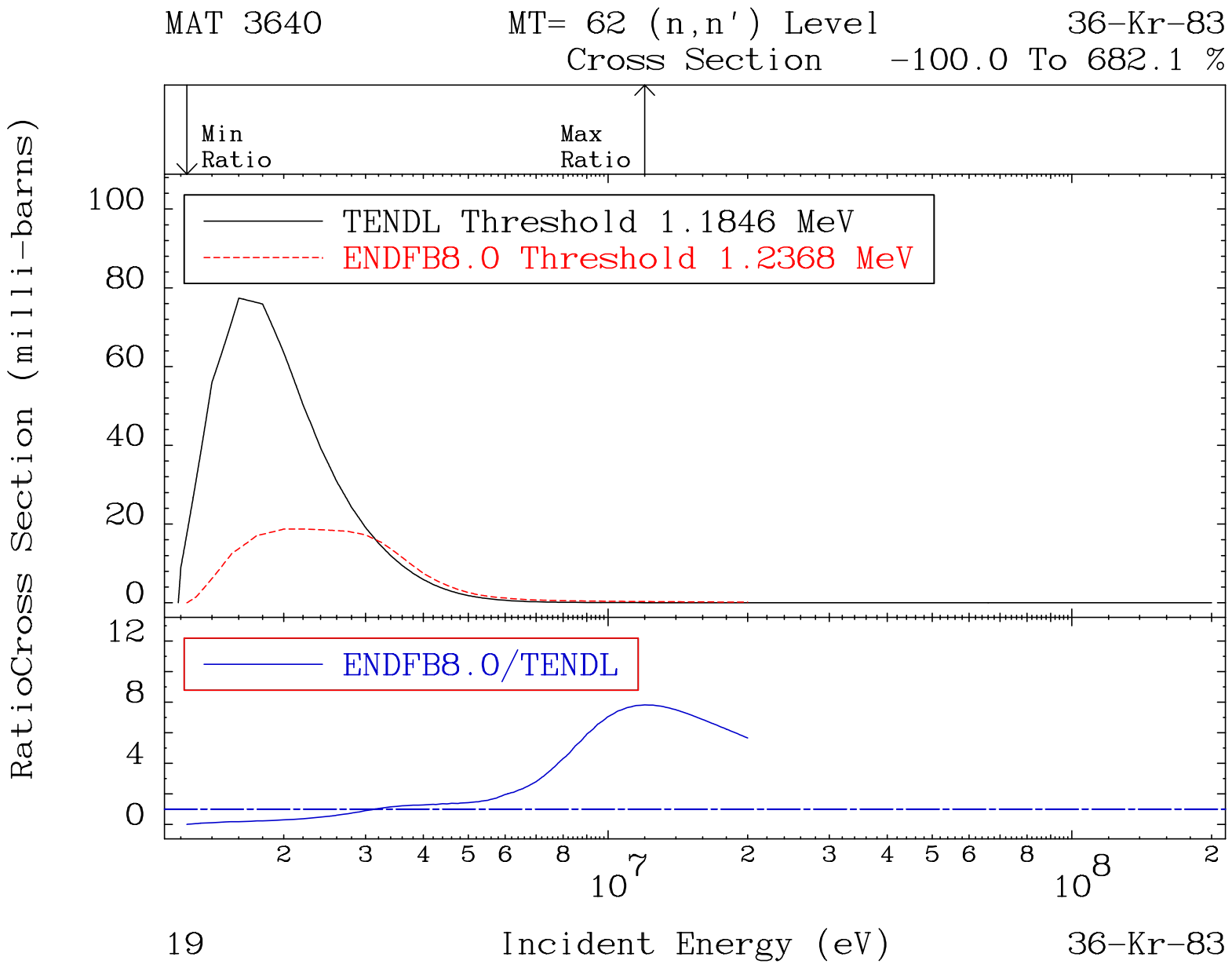

MAT 3640
MT= 57 (n,n') Level
36-Kr-83
Cross Section
-100.0 To 1505. %
Min Ratio
Max Ratio
TENDL Threshold 820.87 keV
ENDFB8.0 Threshold 820.87 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
14
36-Kr-83

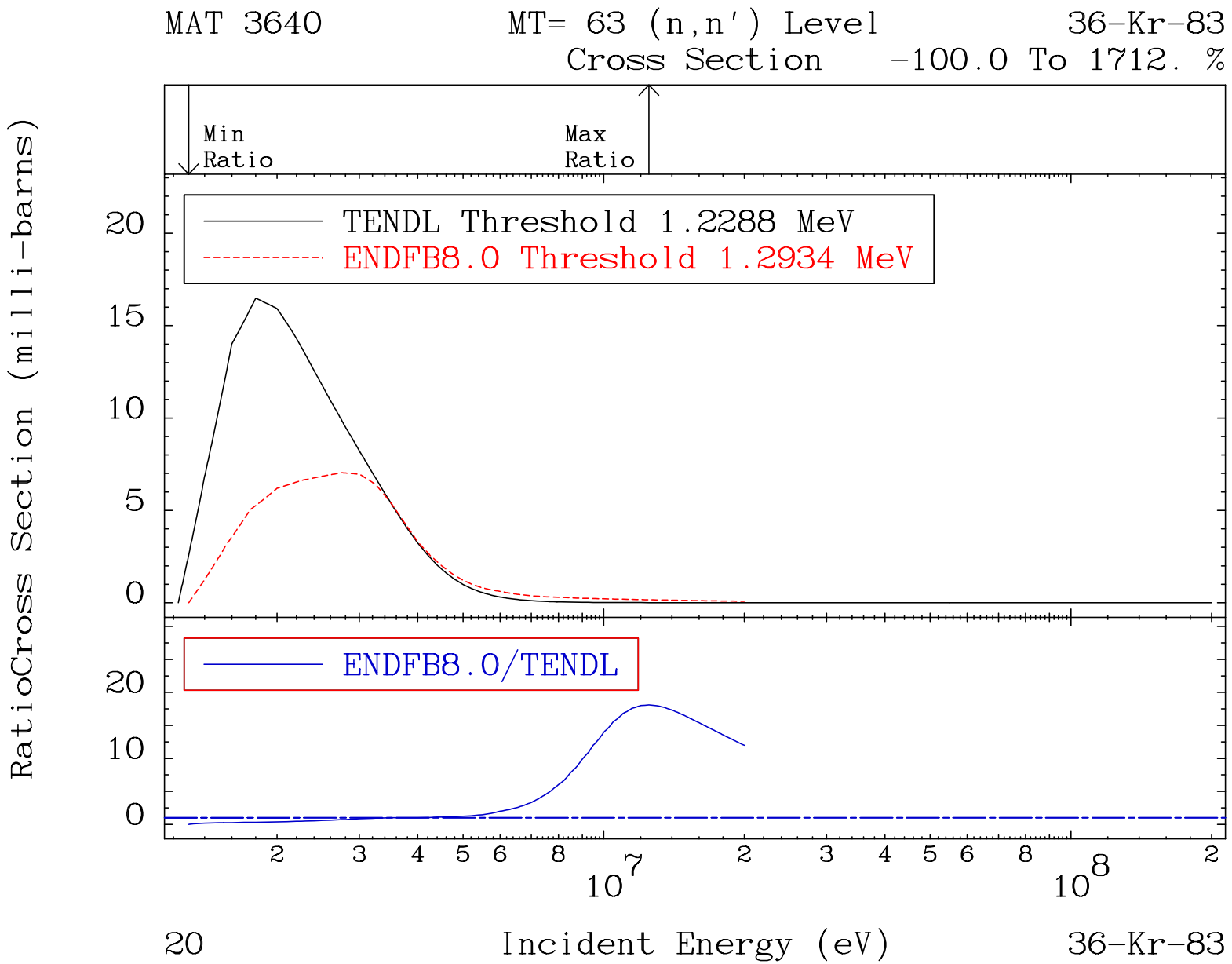

MAT 3640
MT= 58 (n,n') Level
36-Kr-83
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.0241 MeV
ENDFB8.0 Threshold 1.0241 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
200
100
0
10^6
10^7
10^8
Incident Energy (eV)
15
36-Kr-83

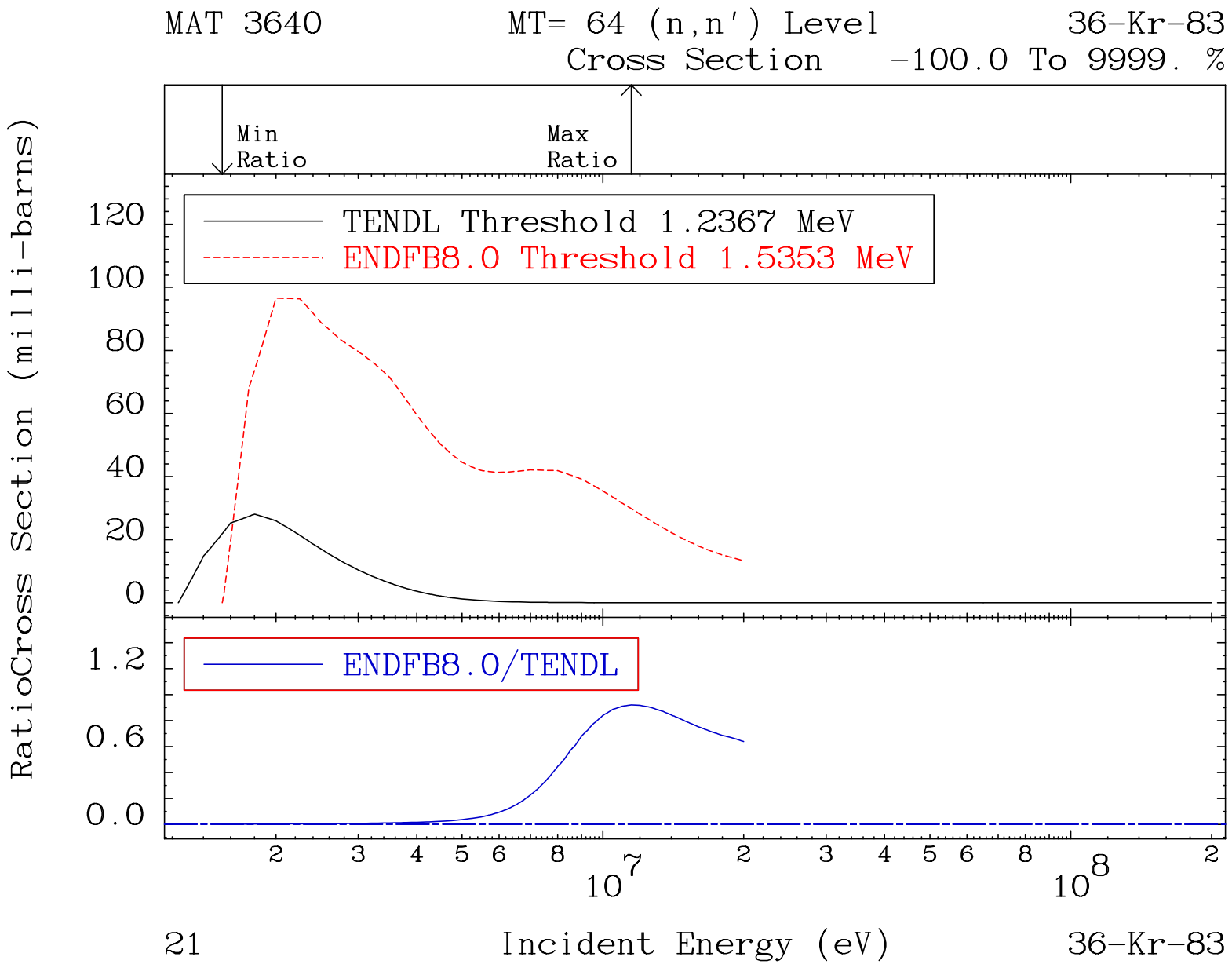

MAT 3640
MT= 59 (n,n') Level
36-Kr-83
Cross Section -100.0 To 2447. %
Min Ratio
Max Ratio
TENDL Threshold 1.1134 MeV
ENDFB8.0 Threshold 1.1163 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
20
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
16
Incident Energy (eV)
36-Kr-83

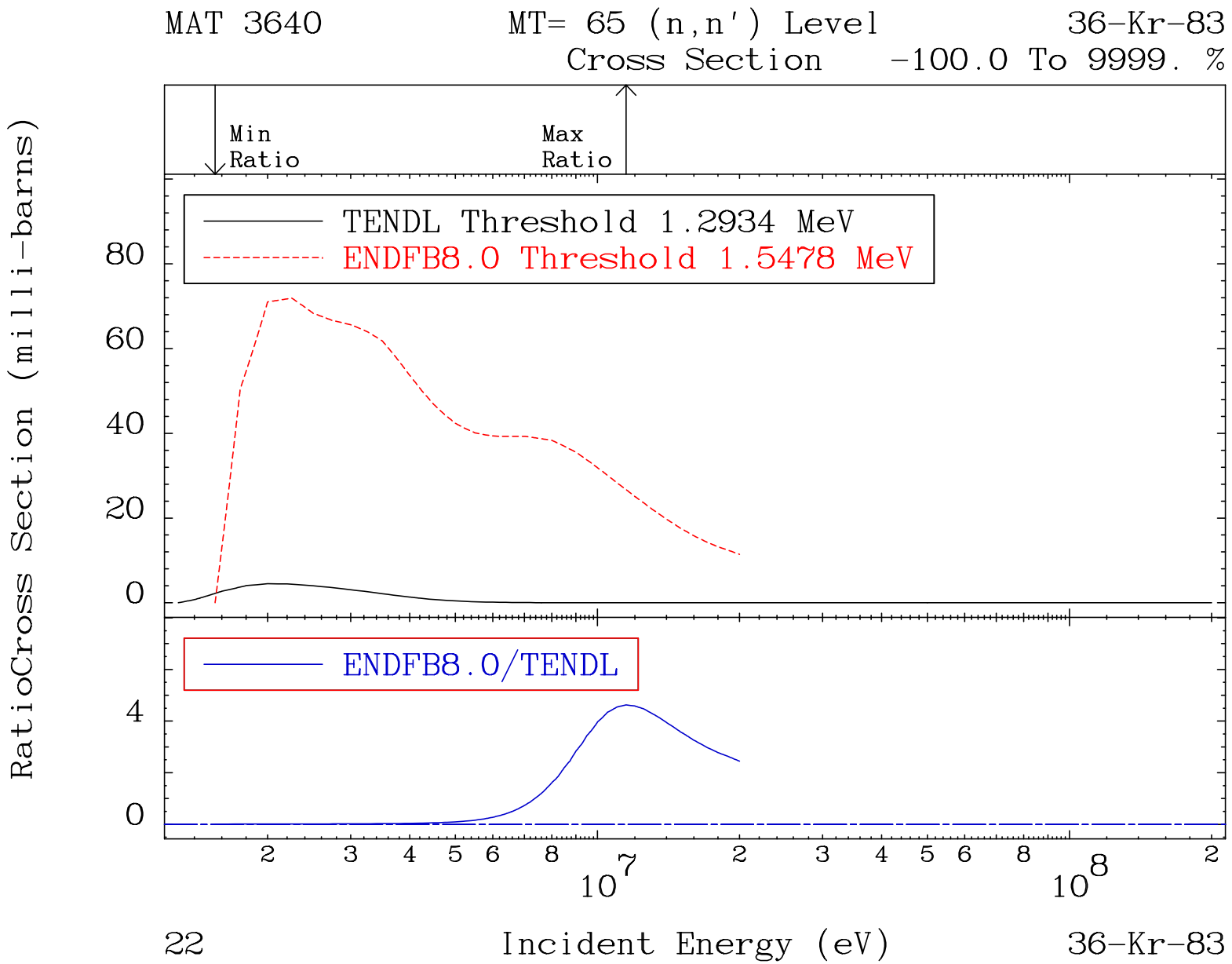

MAT 3640
MT= 60 (n,n') Level
36-Kr-83
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.1161 MeV
ENDFB8.0 Threshold 1.1357 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
0.8
0.4
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
17
Incident Energy (eV)
36-Kr-83

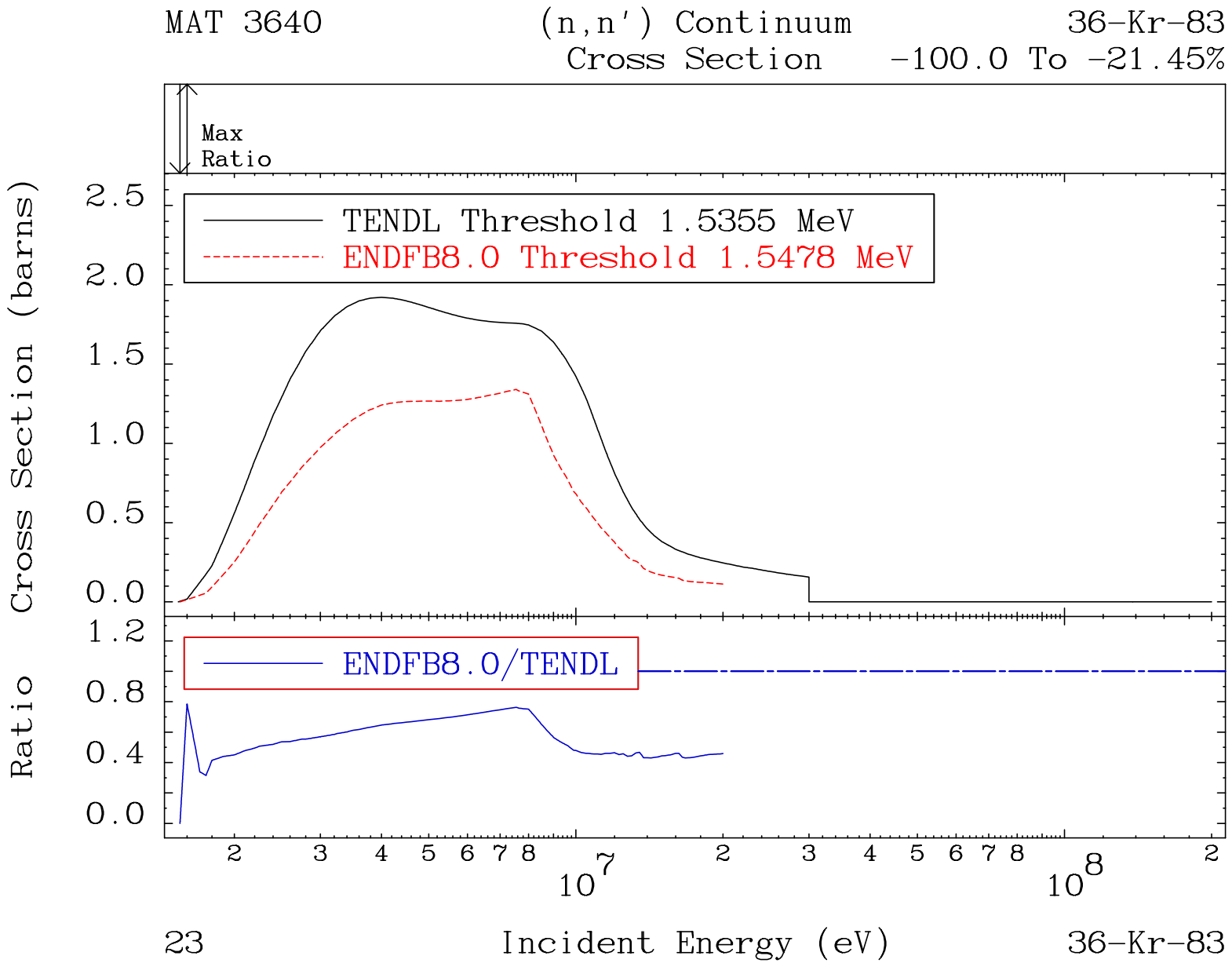

MAT 3640
MT= 61 (n,n') Level
36-Kr-83
Cross Section
-100.0 To 128.2 %
Min Ratio
Max Ratio
TENDL Threshold 1.1357 MeV
ENDFB8.0 Threshold 1.1846 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
3.0
2.0
1.0
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
18
36-Kr-83

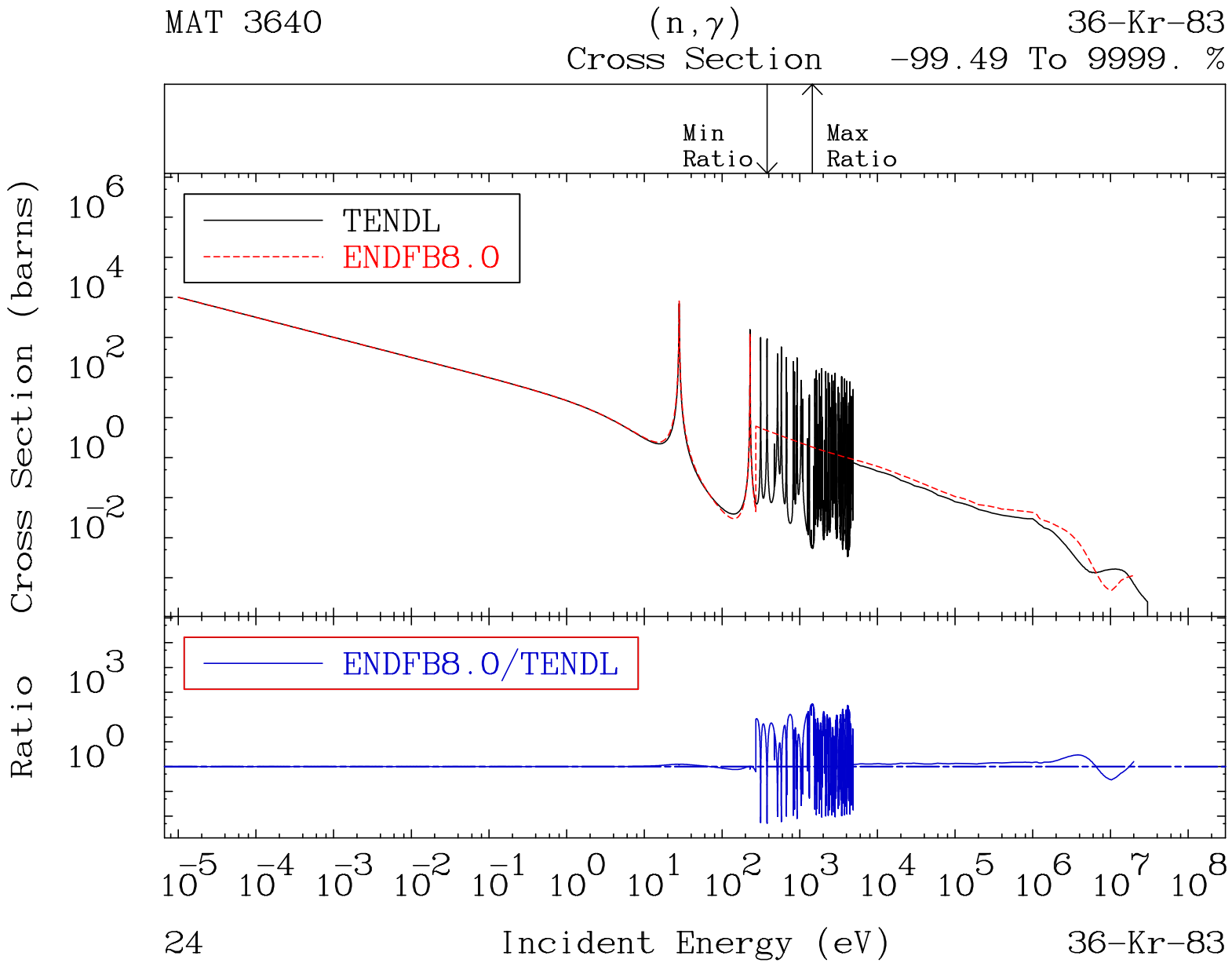

MAT 3640
MT= 62 (n,n') Level
36-Kr-83
Cross Section -100.0 To 682.1 %
Min Ratio
Max Ratio
TENDL Threshold 1.1846 MeV
ENDFB8.0 Threshold 1.2368 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
12
8
4
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
19
Incident Energy (eV)
36-Kr-83

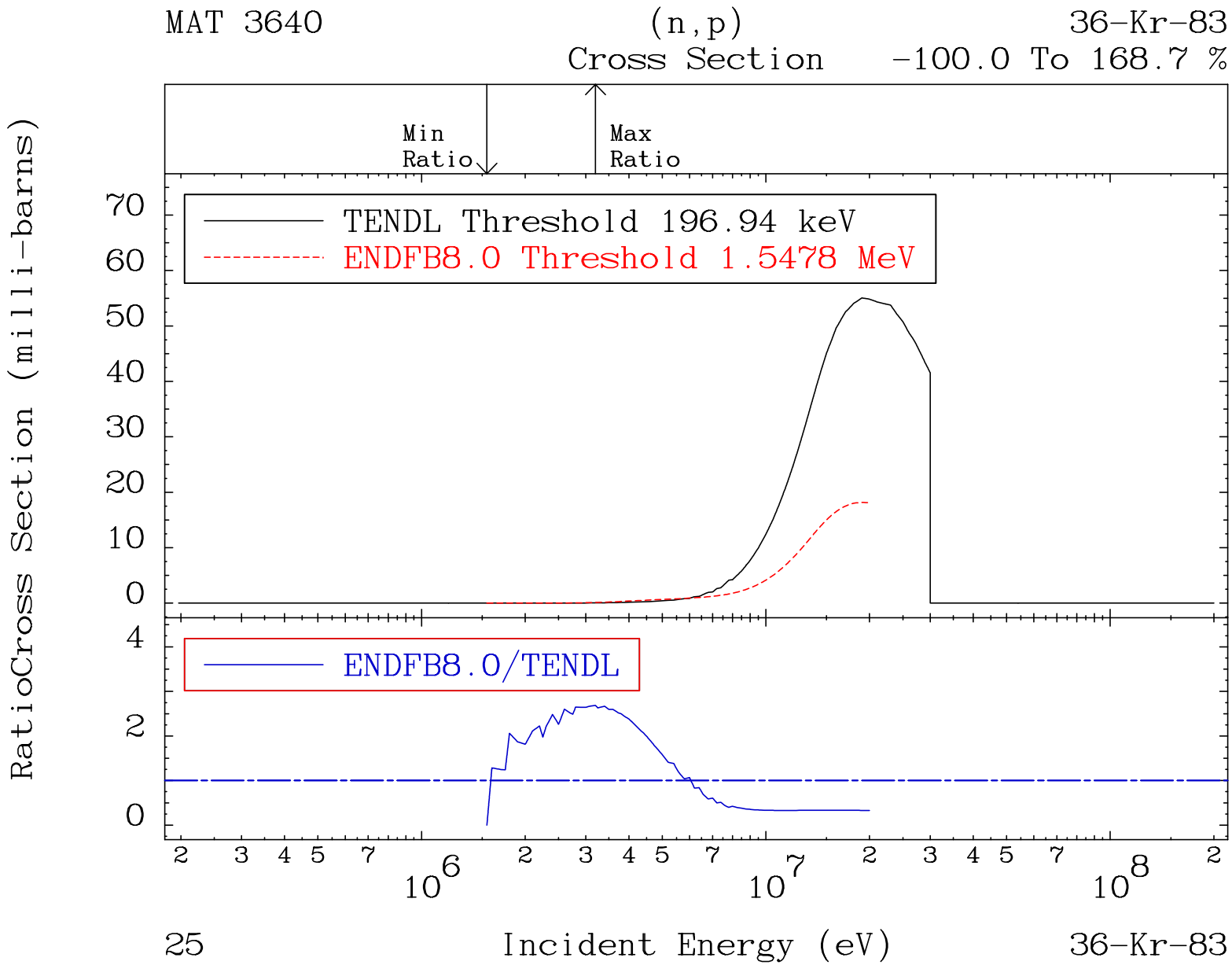

MAT 3640
MT= 63 (n,n') Level
36-Kr-83
Cross Section -100.0 To 1712. %
Min Ratio
Max Ratio
TENDL Threshold 1.2288 MeV
ENDFB8.0 Threshold 1.2934 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
20
36-Kr-83

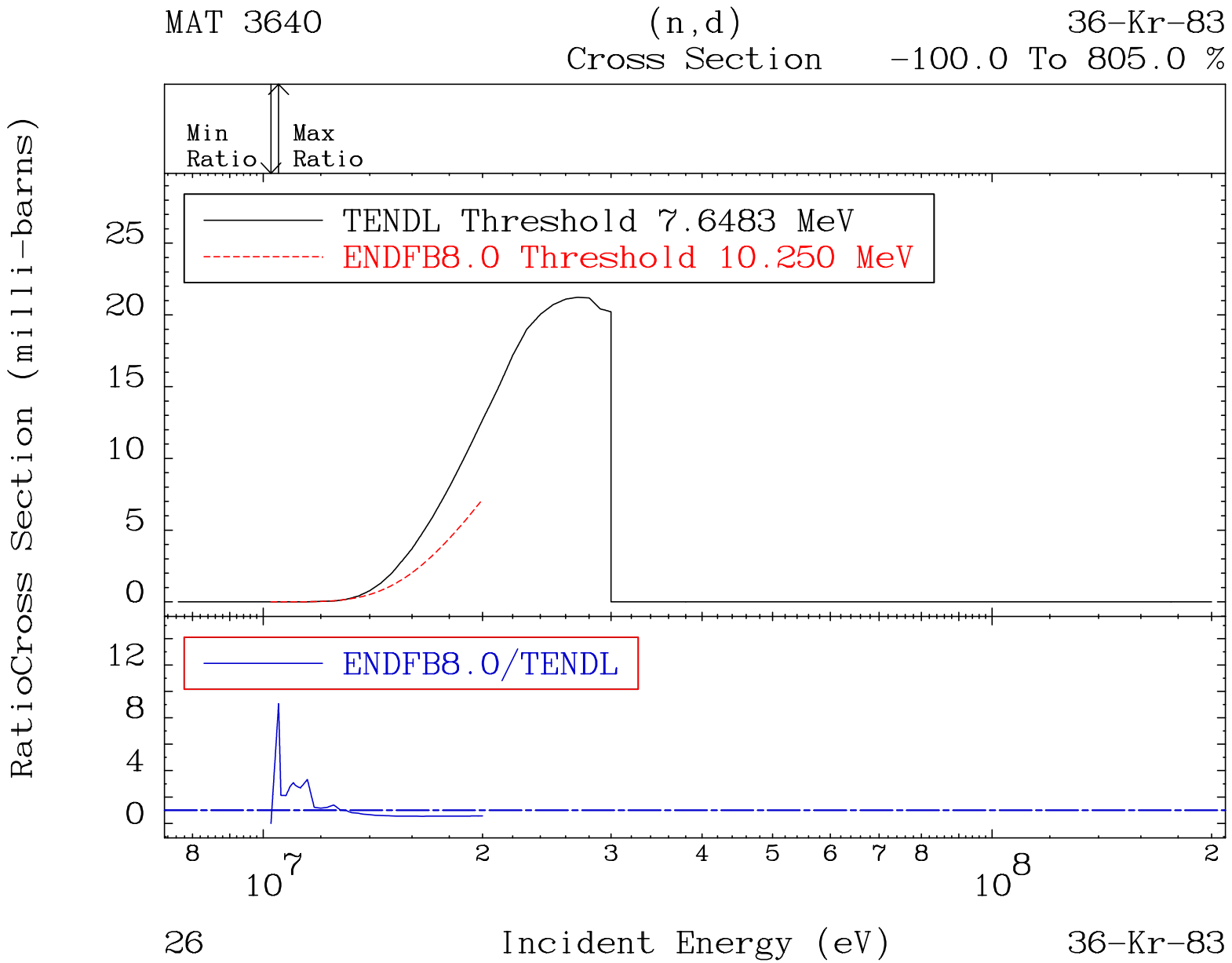

MAT 3640
MT= 64 (n,n') Level
36-Kr-83
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.2367 MeV
ENDFB8.0 Threshold 1.5353 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.2
0.6
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
21
Incident Energy (eV)
36-Kr-83

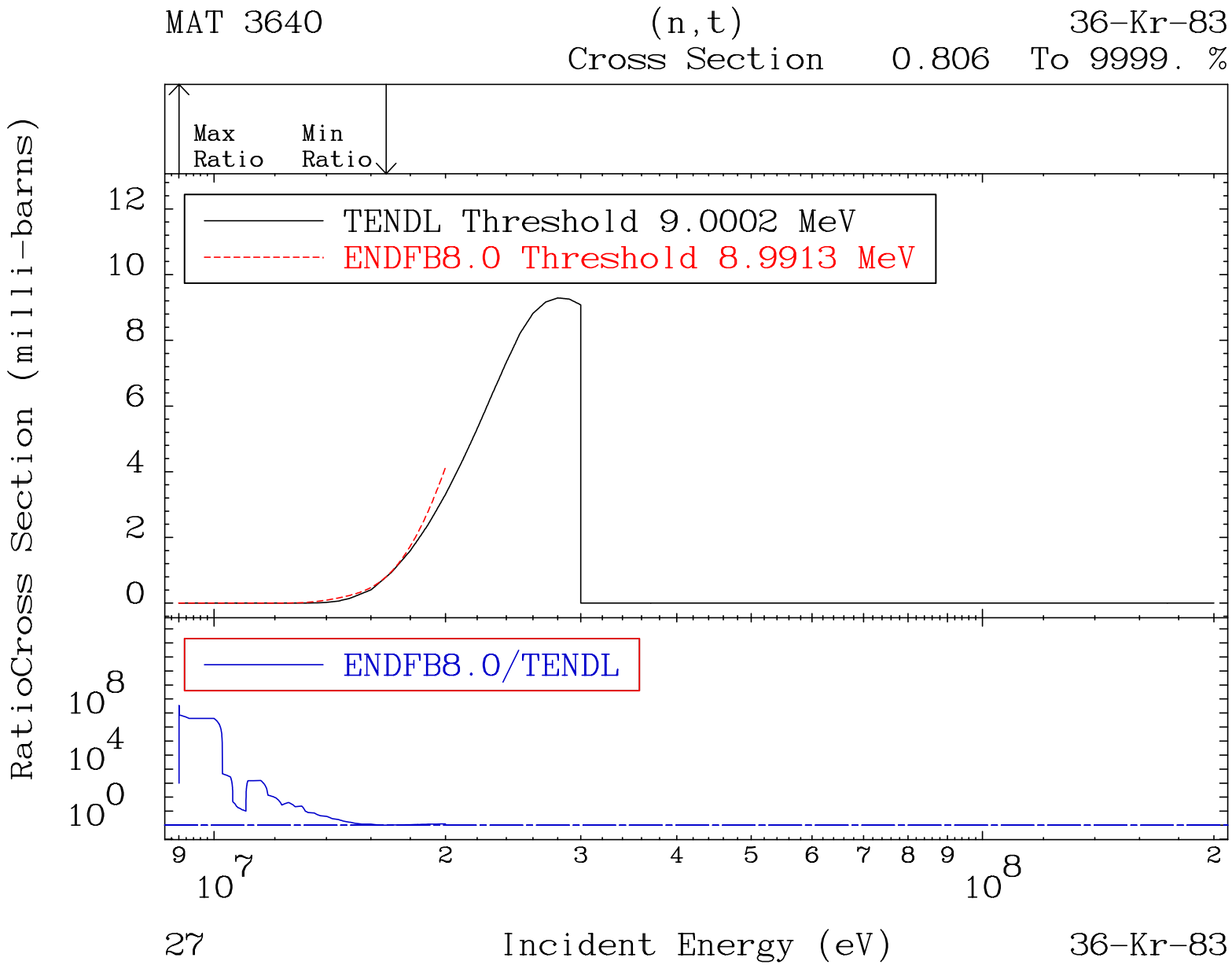

MAT 3640
MT= 65 (n,n') Level
36-Kr-83
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.2934 MeV
ENDFB8.0 Threshold 1.5478 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
4
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
22
Incident Energy (eV)
36-Kr-83

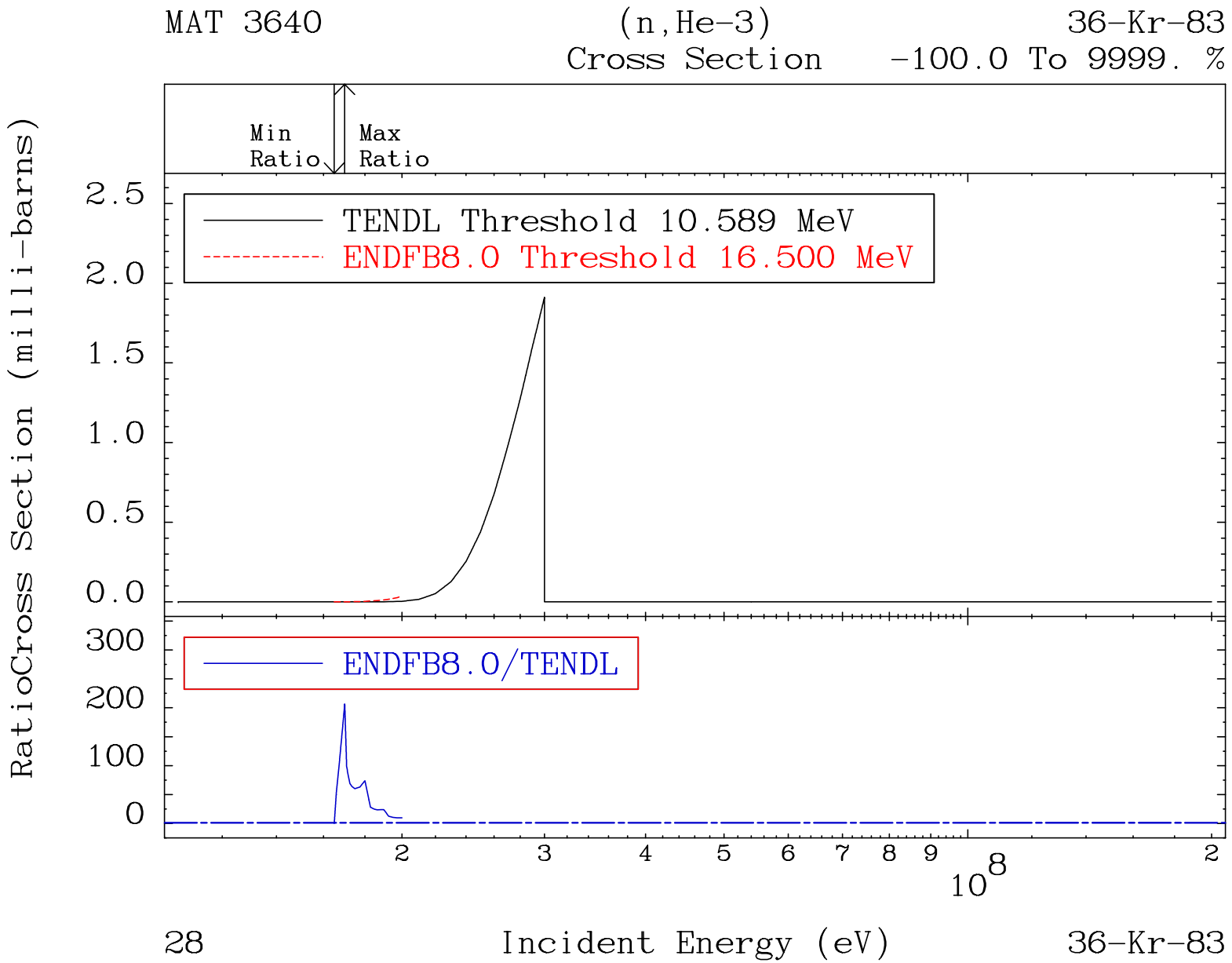

MAT 3640
(n,n') Continuum
Cross Section
36-Kr-83
-100.0 To -21.45%
Max
Ratio
TENDL Threshold 1.5355 MeV
ENDFB8.0 Threshold 1.5478 MeV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
1.2
0.8
0.4
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
36-Kr-83

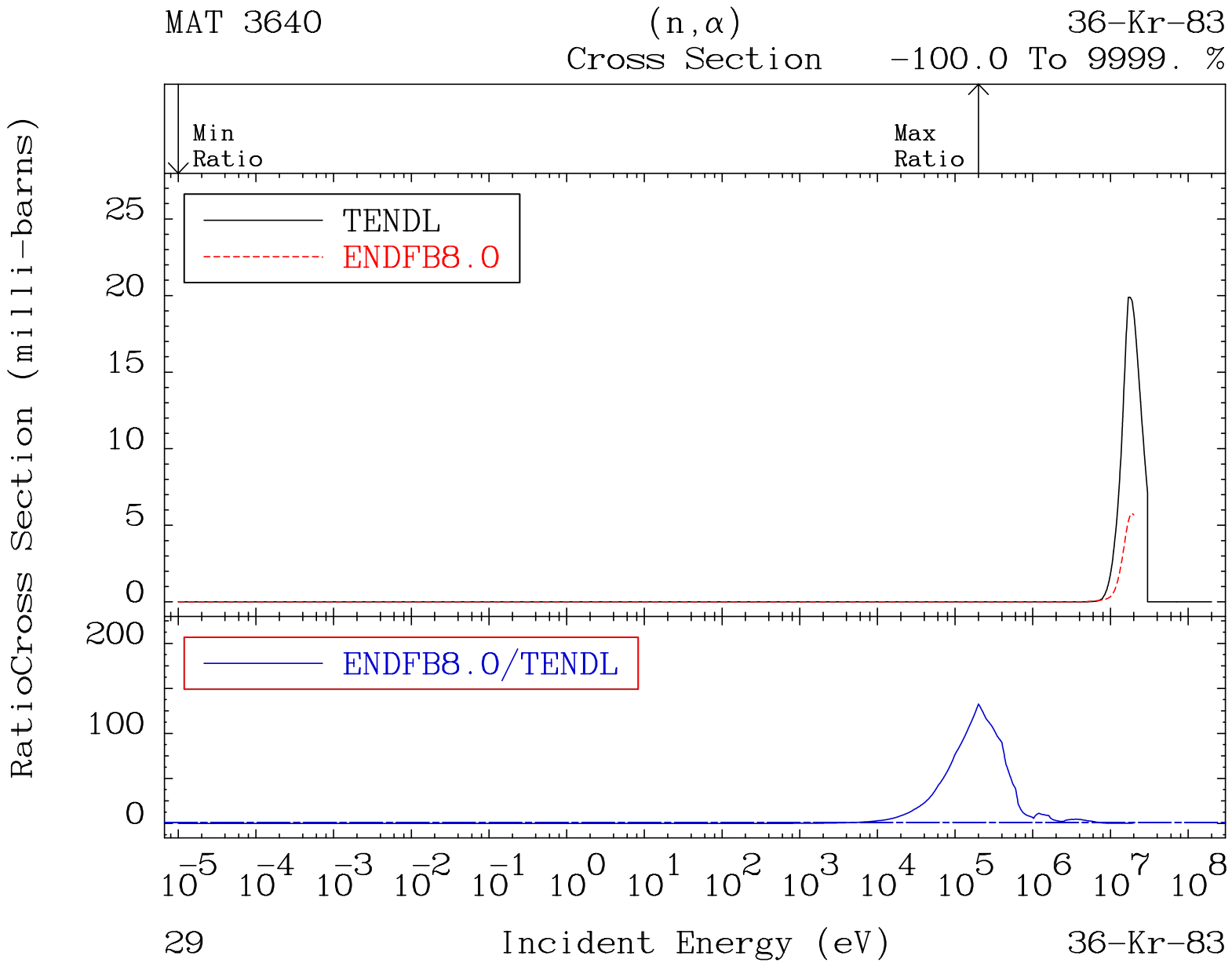

MAT 3640
(n,γ)
Cross Section
36-Kr-83
-99.49 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
24
36-Kr-83

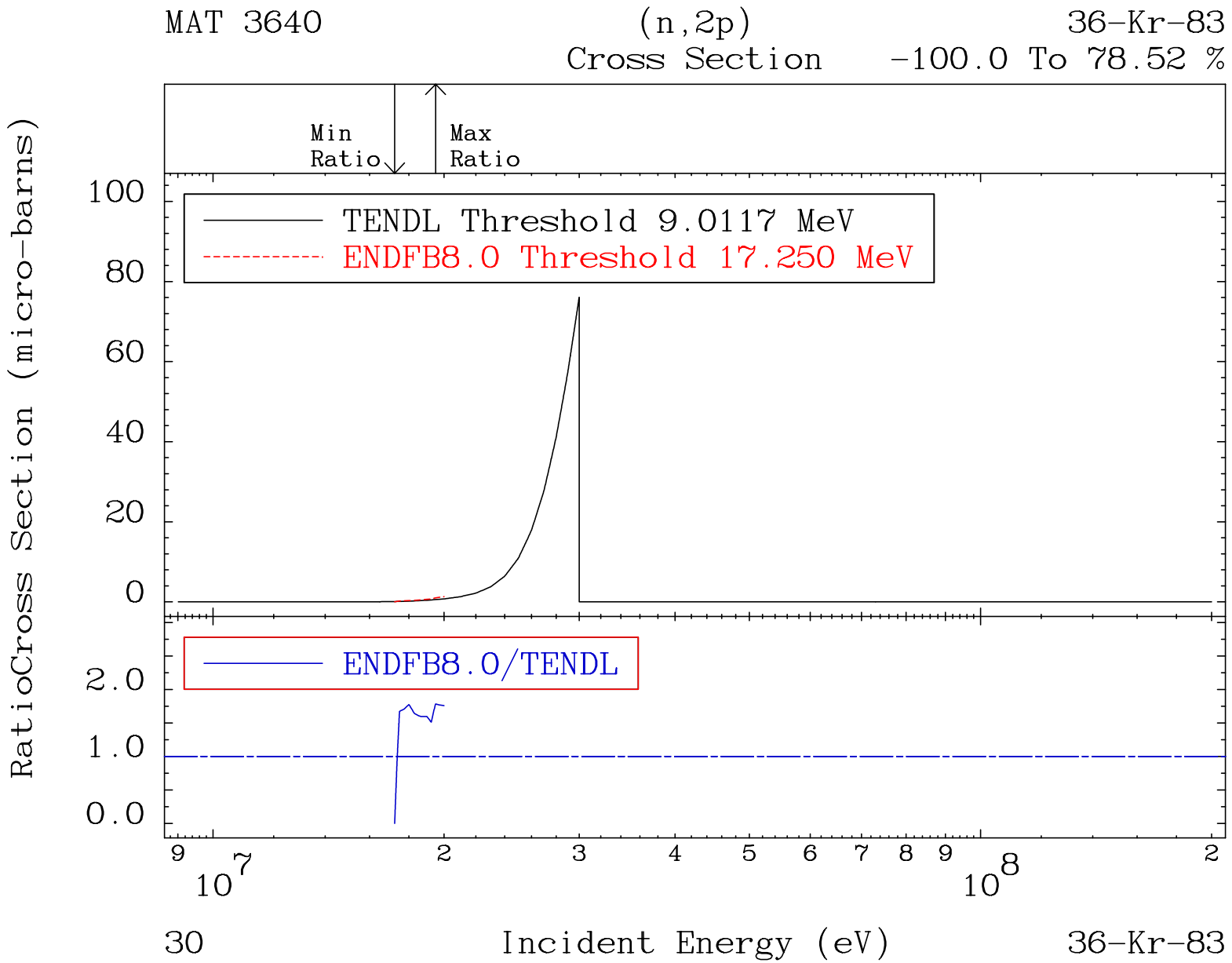

MAT 3640
(n,p)
Cross Section
36-Kr-83
-100.0 To 168.7 %
Min Ratio
Max Ratio
TENDL Threshold 196.94 keV
ENDFB8.0 Threshold 1.5478 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
4
2
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
25
Incident Energy (eV)
36-Kr-83

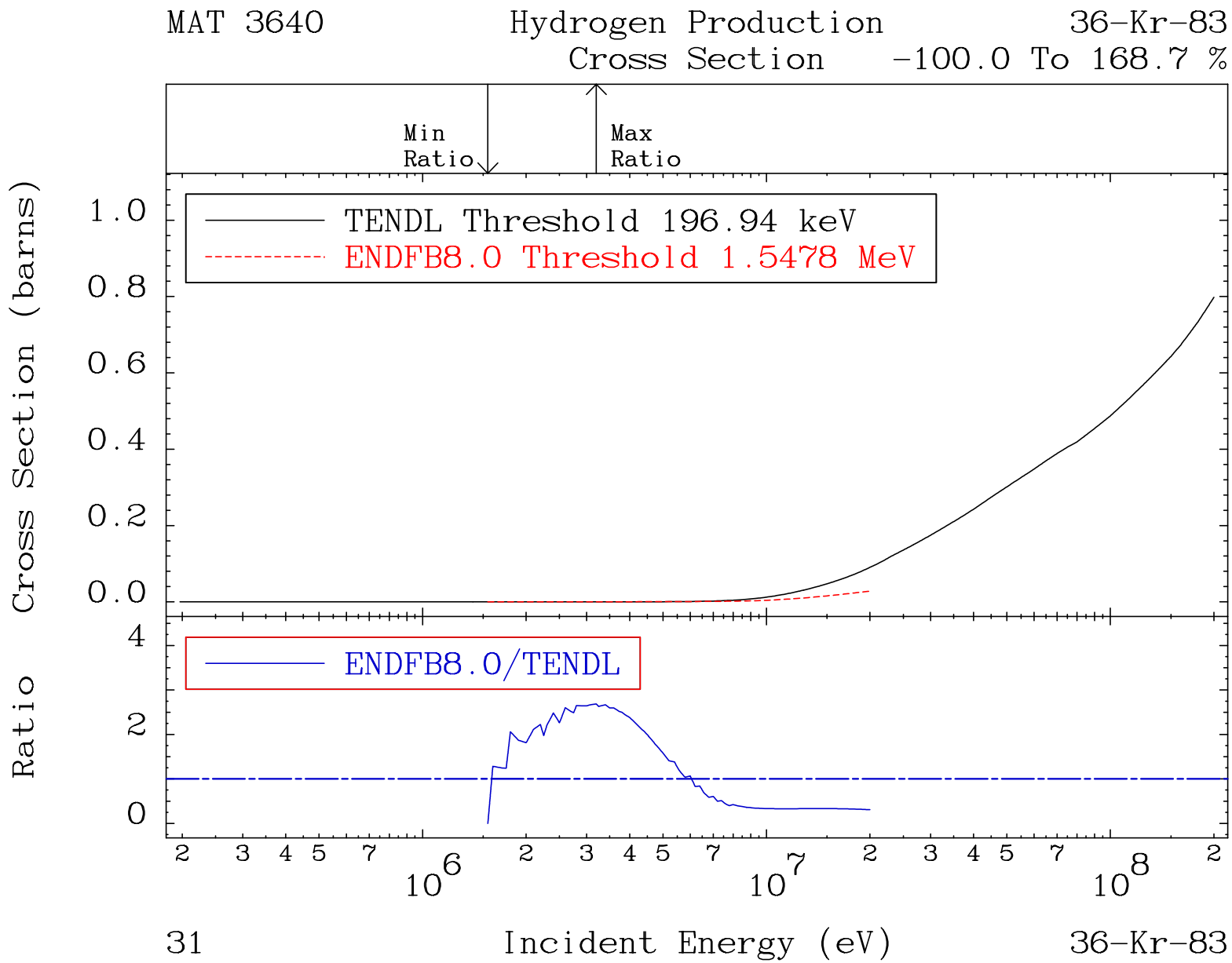

MAT 3640
(n,d)
Cross Section
36-Kr-83
-100.0 To 805.0 %
Min Ratio
Max Ratio
TENDL Threshold 7.6483 MeV
ENDFB8.0 Threshold 10.250 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
26
36-Kr-83

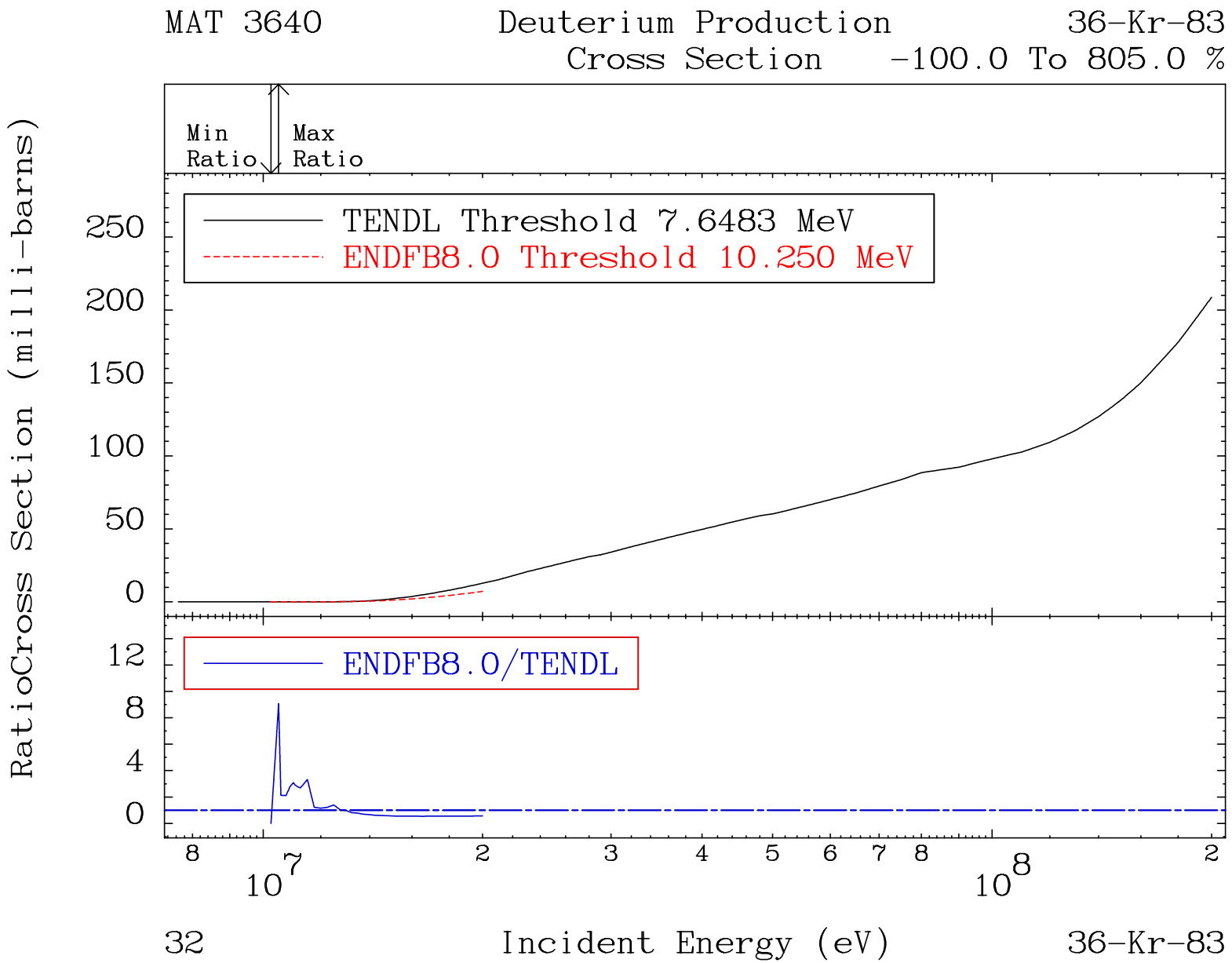

MAT 3640
(n,t)
36-Kr-83
Cross Section 0.806 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.0002 MeV
ENDFB8.0 Threshold 8.9913 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
27
36-Kr-83

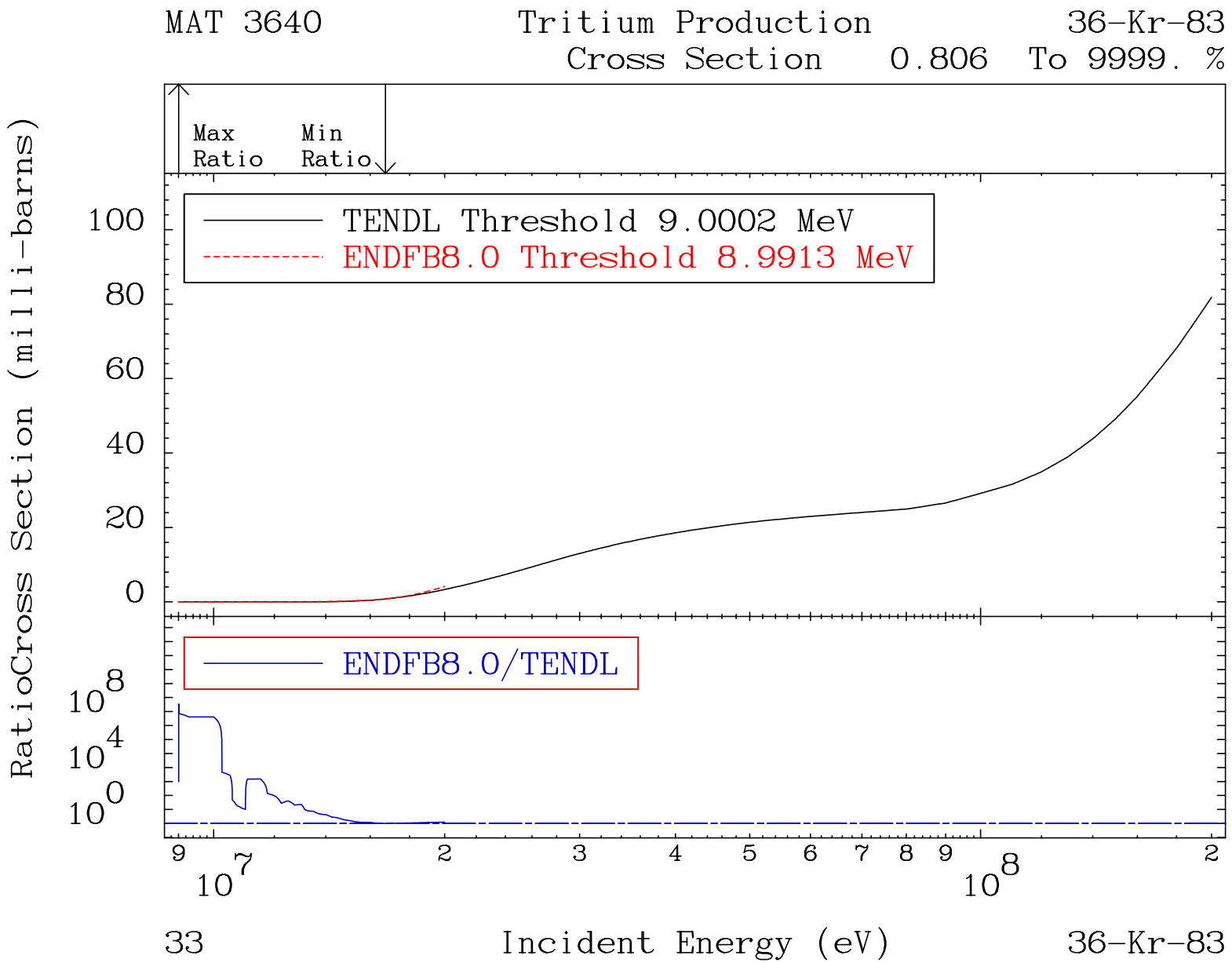

MAT 3640
(n,He-3)
Cross Section
36-Kr-83
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 10.589 MeV
ENDFB8.0 Threshold 16.500 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
300
200
100
0
2
3
4
5
6
7
8
9
10^8
2
28
Incident Energy (eV)
36-Kr-83

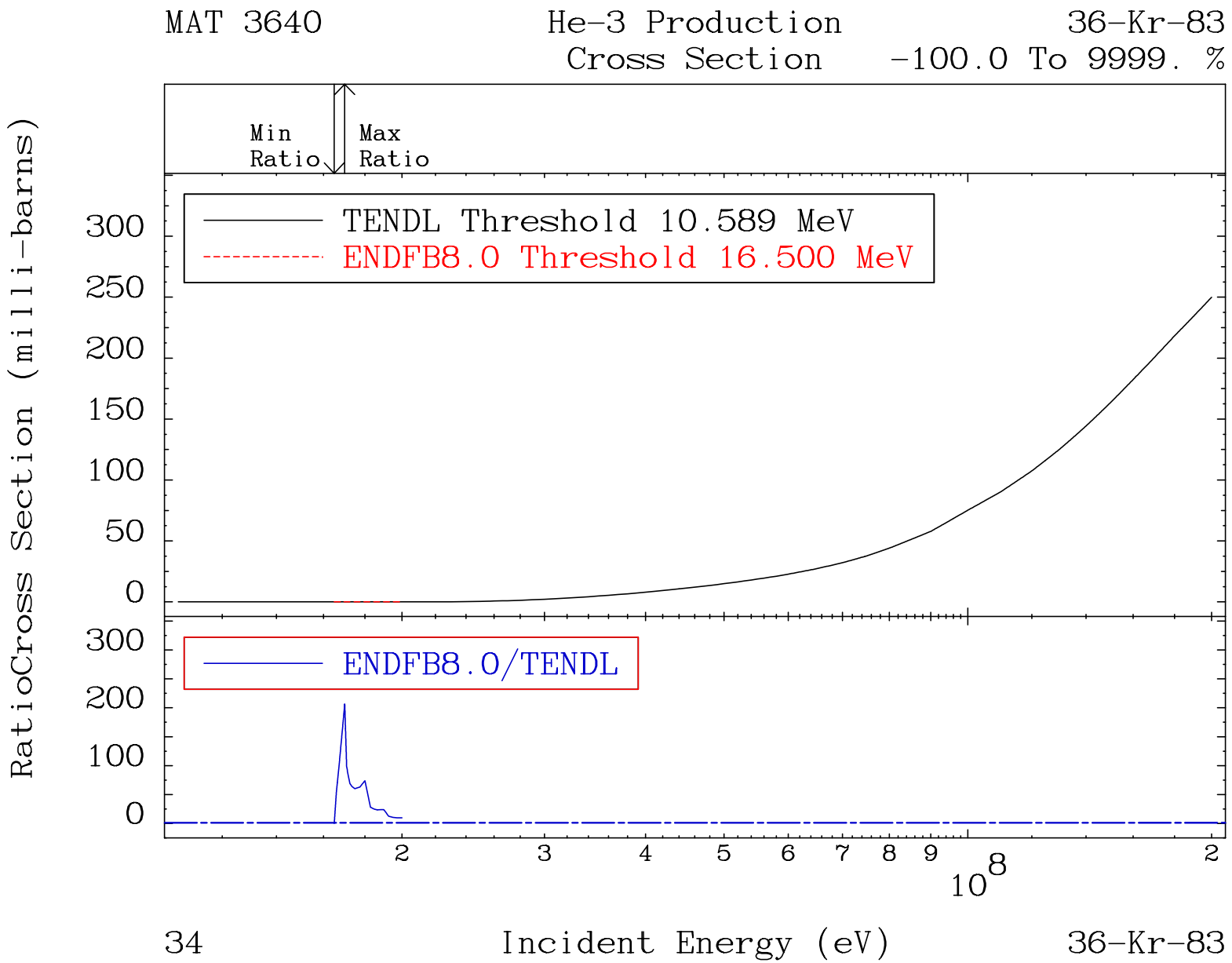

MAT 3640
(n,α)
Cross Section
36-Kr-83
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
200
100
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
29
Incident Energy (eV)
36-Kr-83

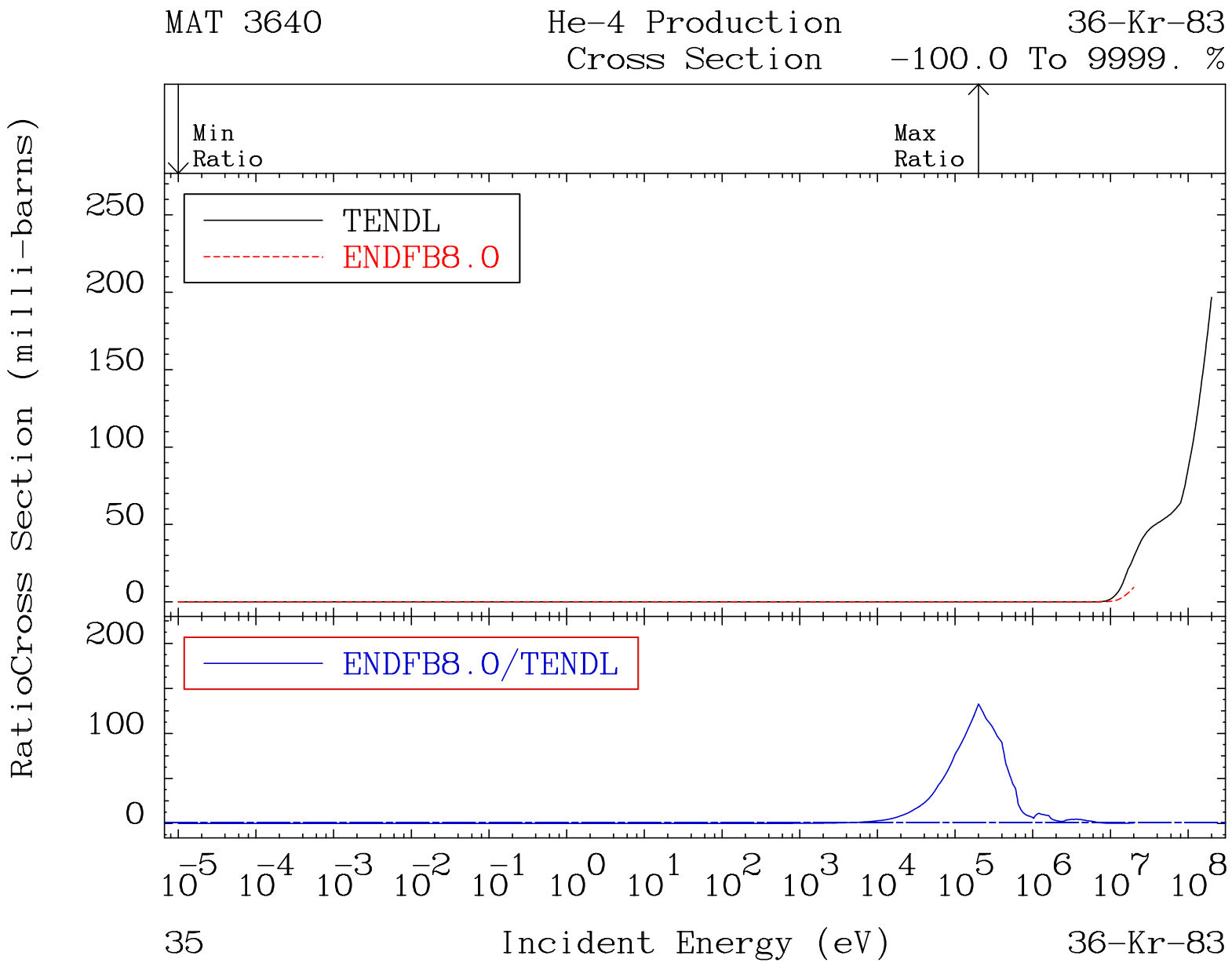

MAT 3640
(n,2p)
Cross Section
36-Kr-83
-100.0 To 78.52 %
Min Ratio
Max Ratio
TENDL Threshold 9.0117 MeV
ENDFB8.0 Threshold 17.250 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
100
80
60
40
20
0
2.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
30
Incident Energy (eV)
36-Kr-83

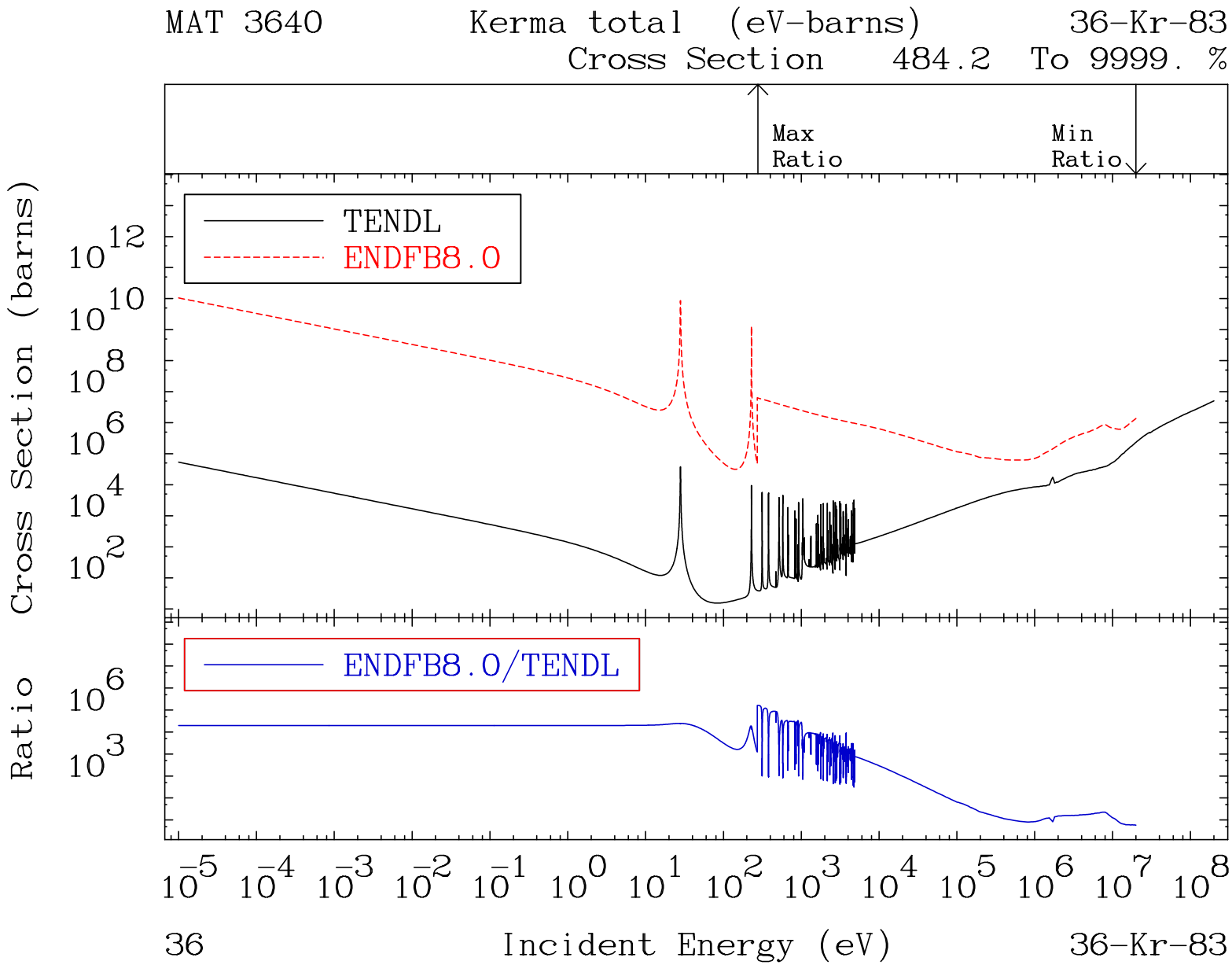

MAT 3640
Hydrogen Production
36-Kr-83
Cross Section
-100.0 To 168.7 %
Min Ratio
Max Ratio
TENDL Threshold 196.94 keV
ENDFB8.0 Threshold 1.5478 MeV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
4
2
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
31
Incident Energy (eV)
36-Kr-83

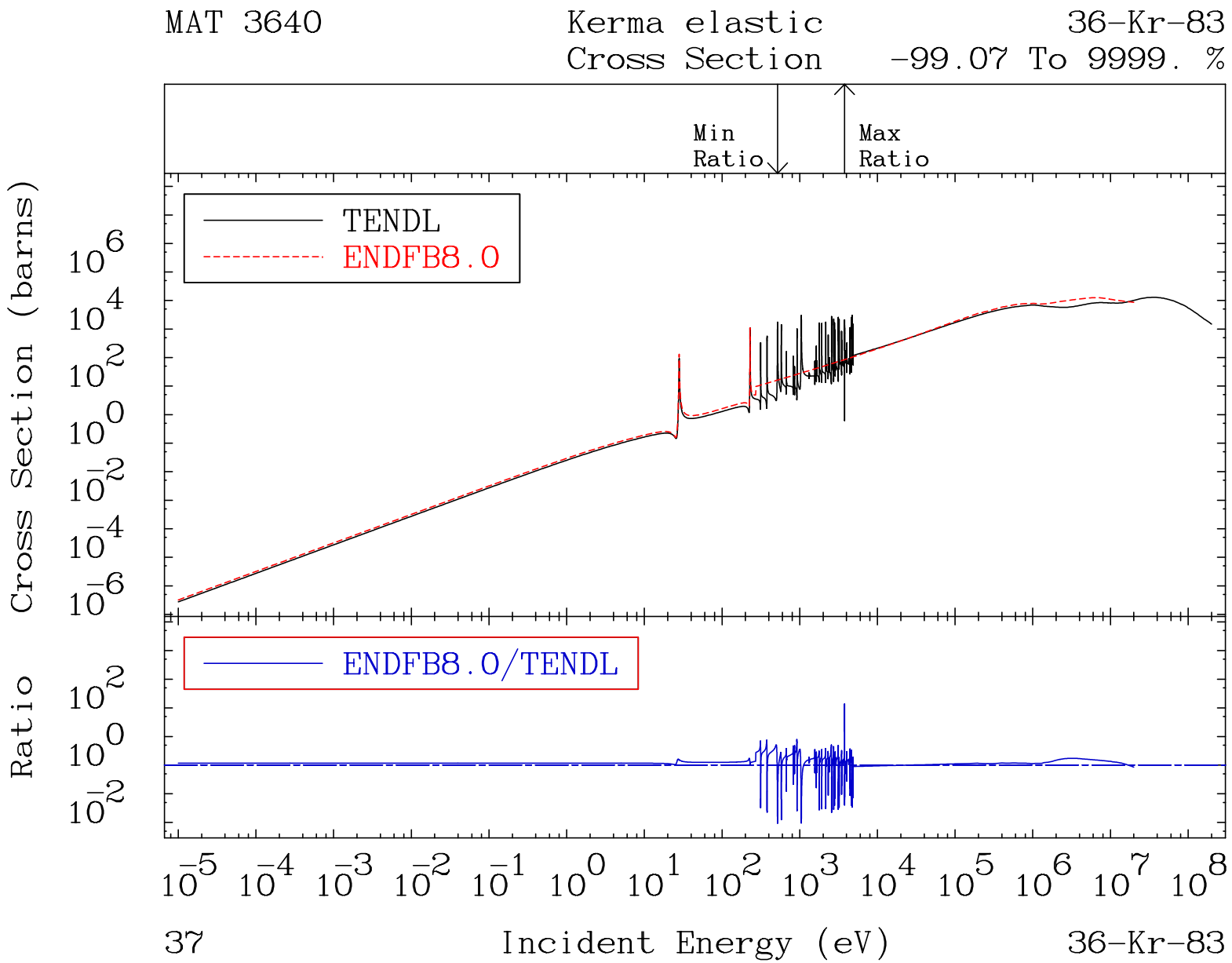

MAT 3640
Deuterium Production
36-Kr-83
Cross Section -100.0 To 805.0 %
Min Ratio
Max Ratio
TENDL Threshold 7.6483 MeV
ENDFB8.0 Threshold 10.250 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
12
8
4
0
8
10^7
2
3
4
5
6
7
8
10^8
2
32
Incident Energy (eV)
36-Kr-83

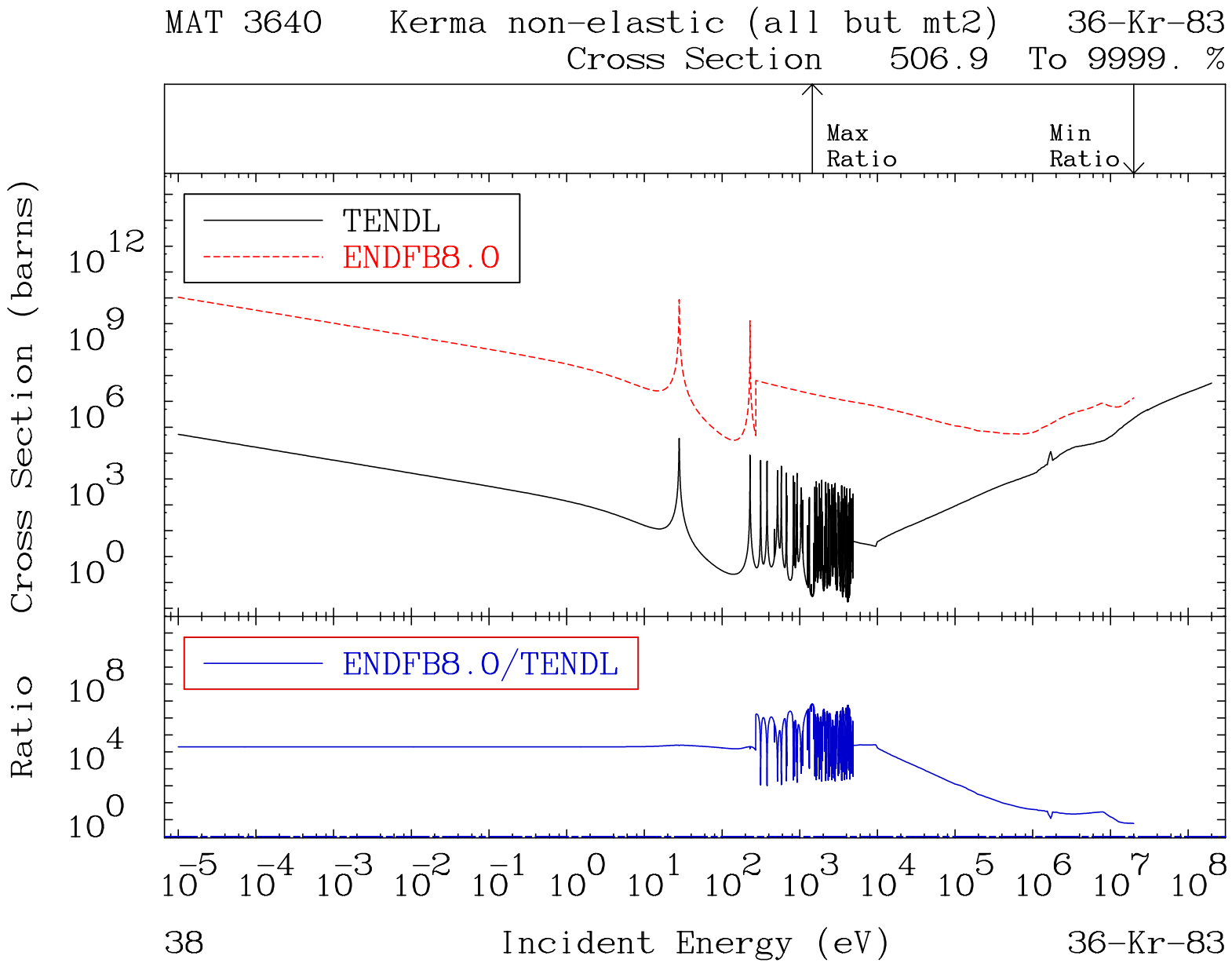

MAT 3640
Tritium Production
36-Kr-83
Cross Section 0.806 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.0002 MeV
ENDFB8.0 Threshold 8.9913 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
10^8
10^4
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
33
Incident Energy (eV)
36-Kr-83

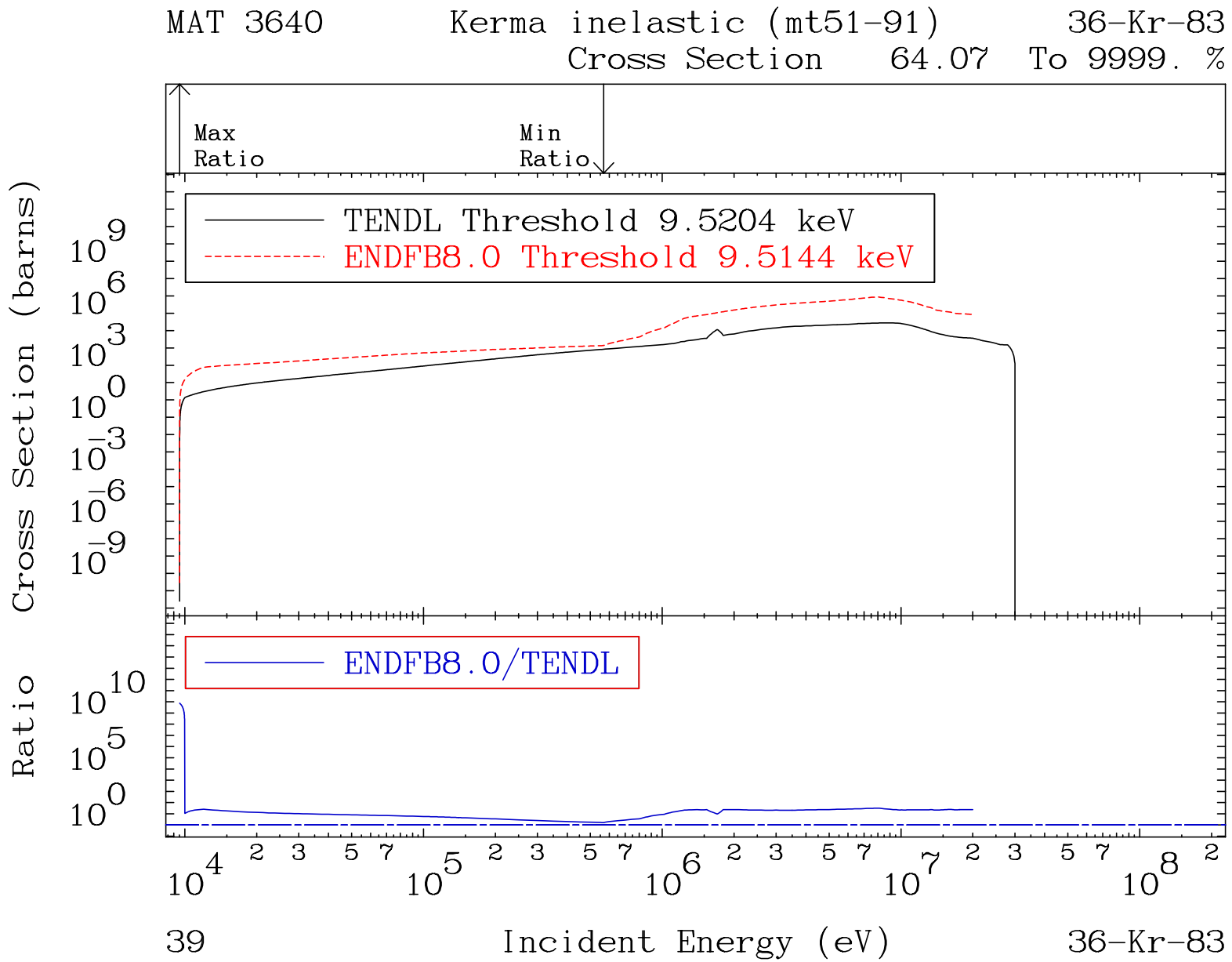

MAT 3640
He-3 Production
Cross Section
36-Kr-83
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 10.589 MeV
ENDFB8.0 Threshold 16.500 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
2
3
4
5
6
7
8
9
10^8
Incident Energy (eV)
34
36-Kr-83

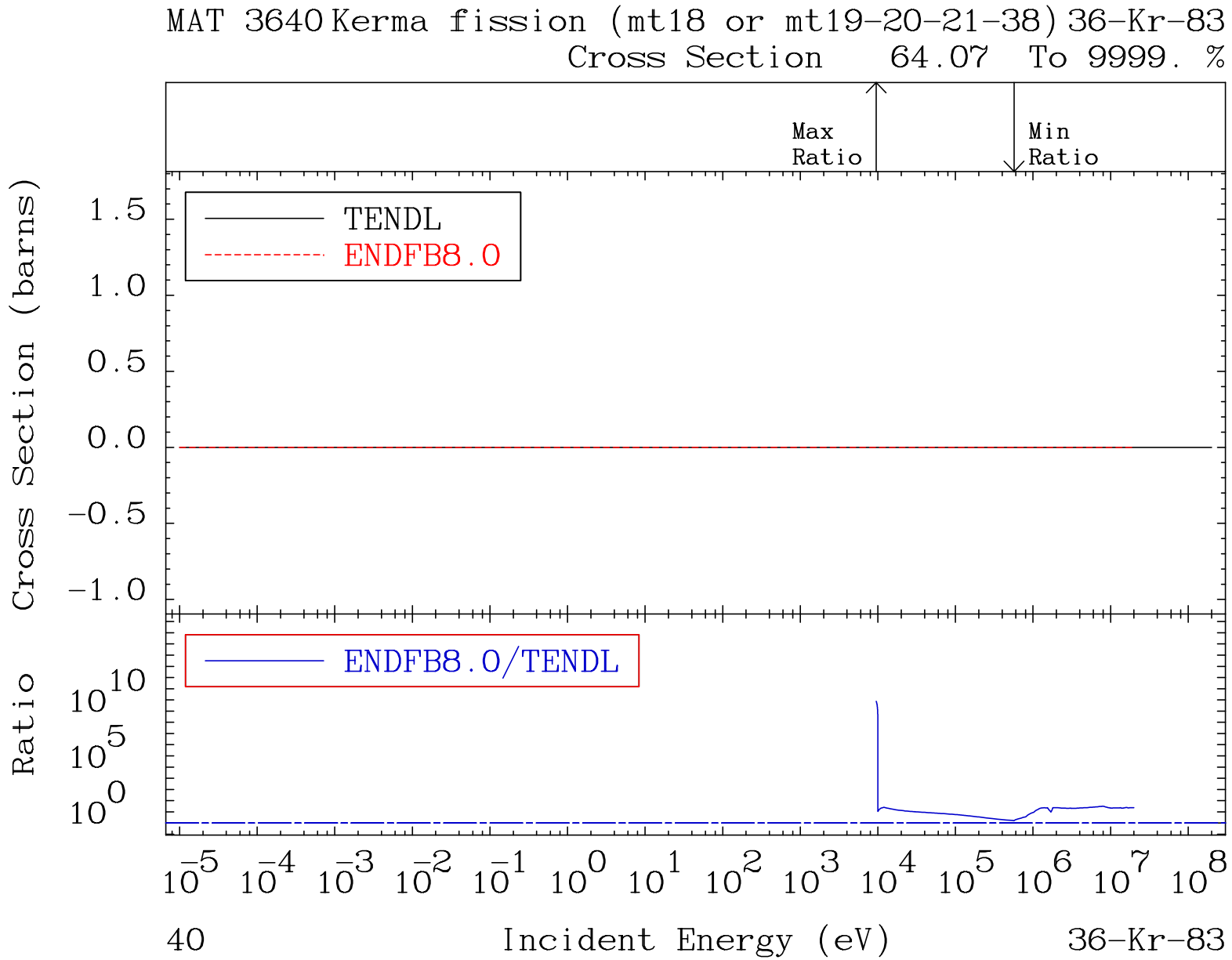

MAT 3640
He-4 Production
Cross Section
36-Kr-83
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
200
100
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
35
Incident Energy (eV)
36-Kr-83

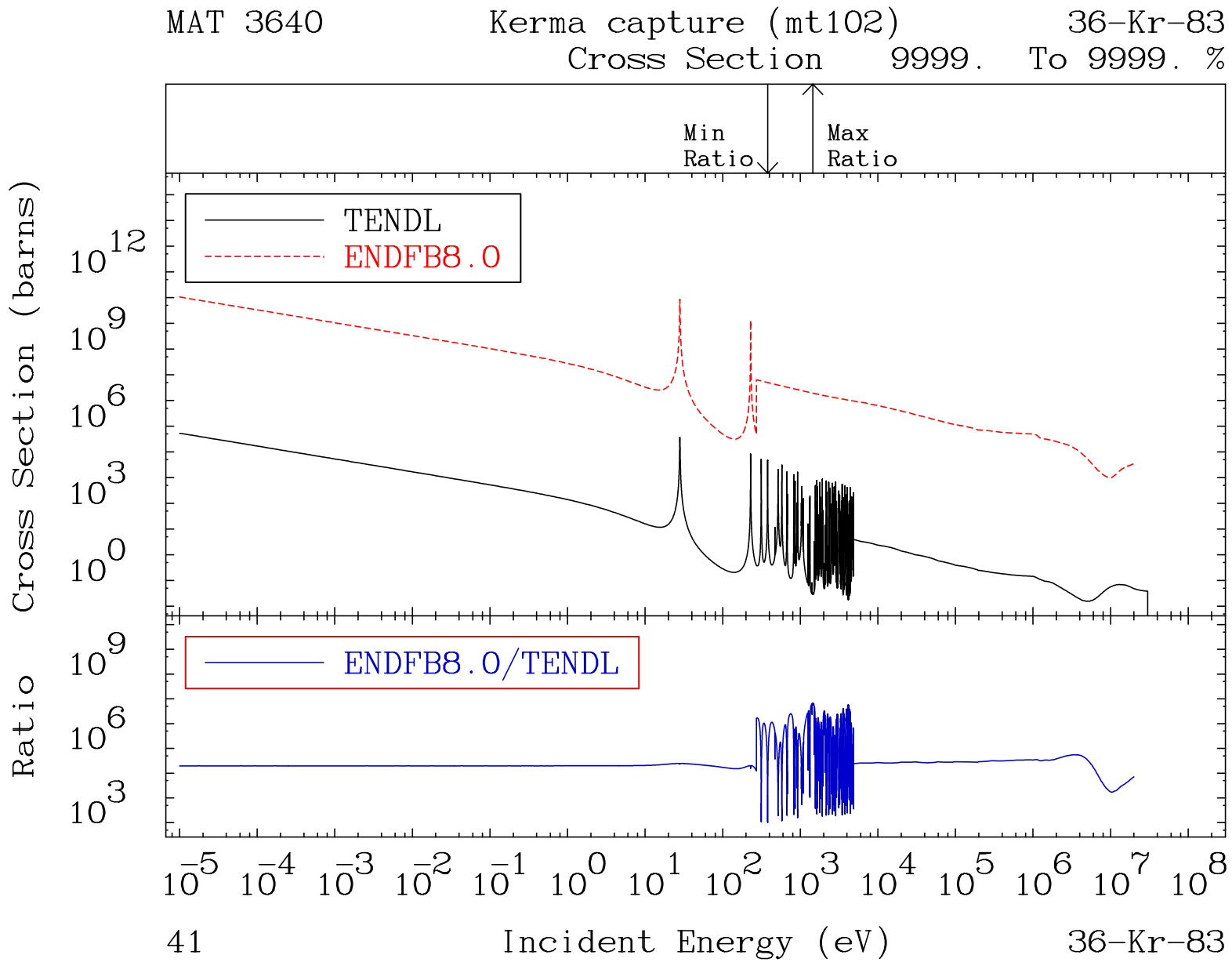

MAT 3640
Kerma total (eV-barns)
36-Kr-83
Cross Section 484.2 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
36
36-Kr-83

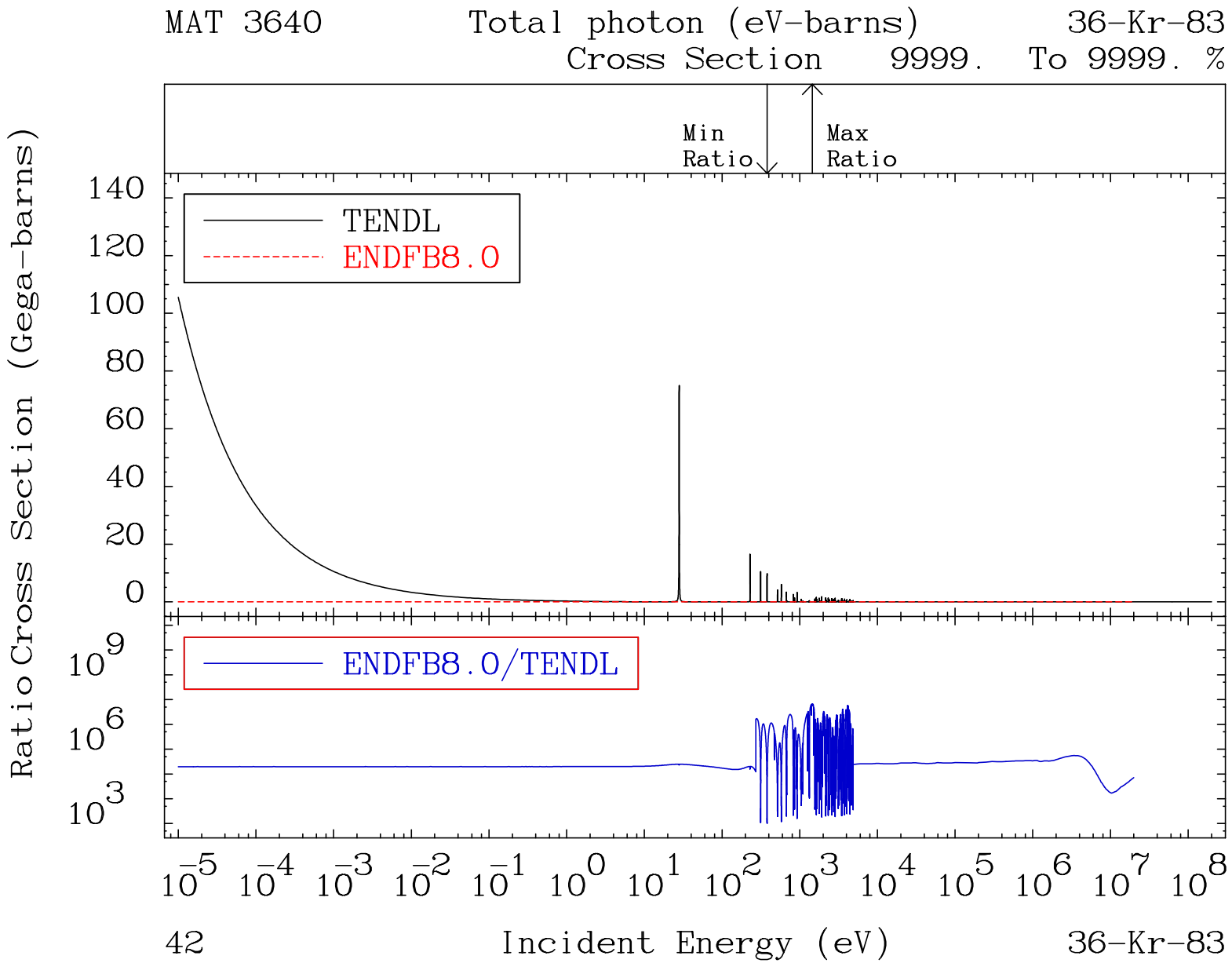

MAT 3640
Kerma elastic
Cross Section
36-Kr-83
-99.07 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
37
36-Kr-83

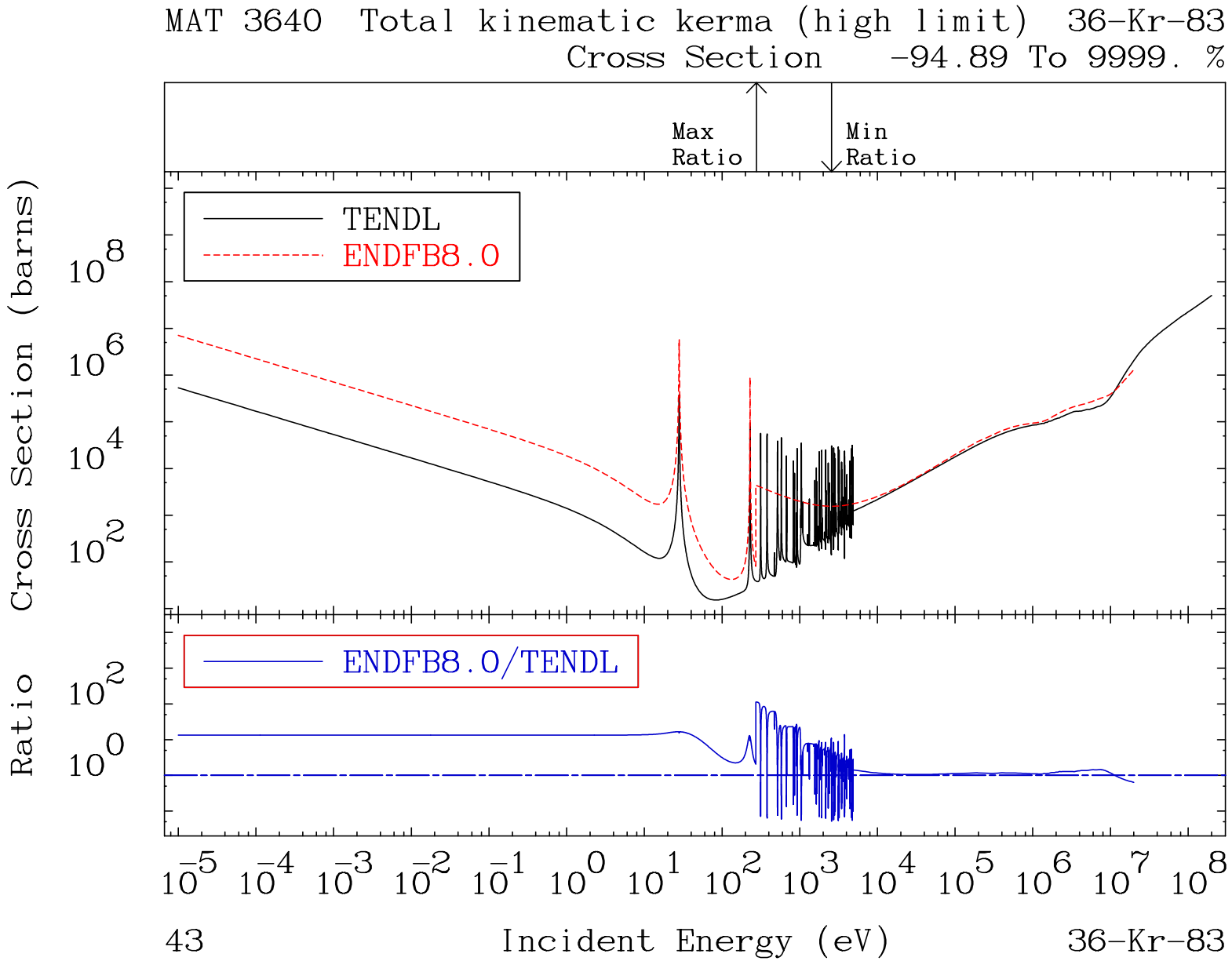

MAT 3640 Kerma non-elastic (all but mt2) 36-Kr-83
Cross Section 506.9 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
38
36-Kr-83

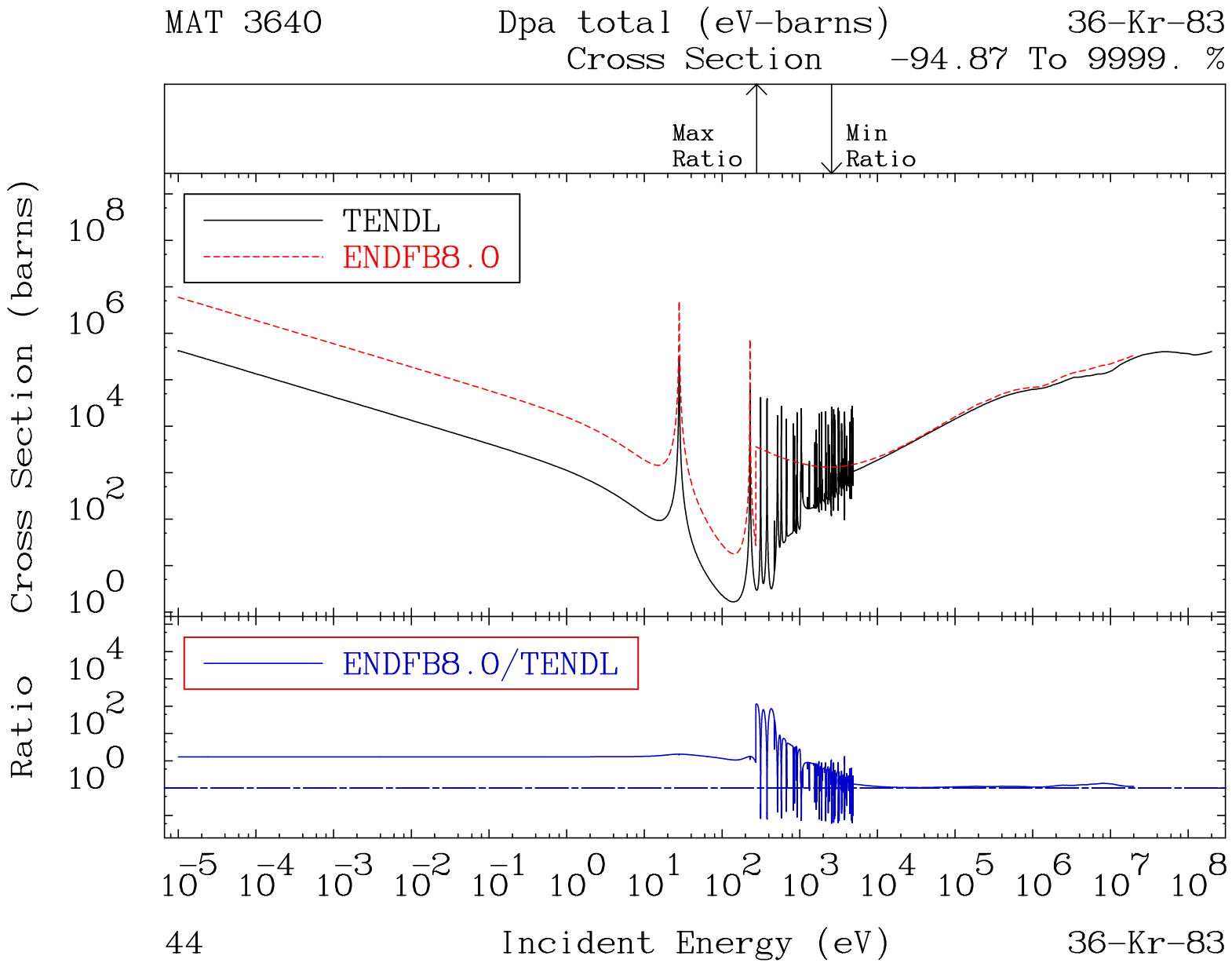

MAT 3640
Kerma inelastic (mt51-91)
36-Kr-83
Cross Section 64.07 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.5204 keV
ENDFB8.0 Threshold 9.5144 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
39
Incident Energy (eV)
36-Kr-83

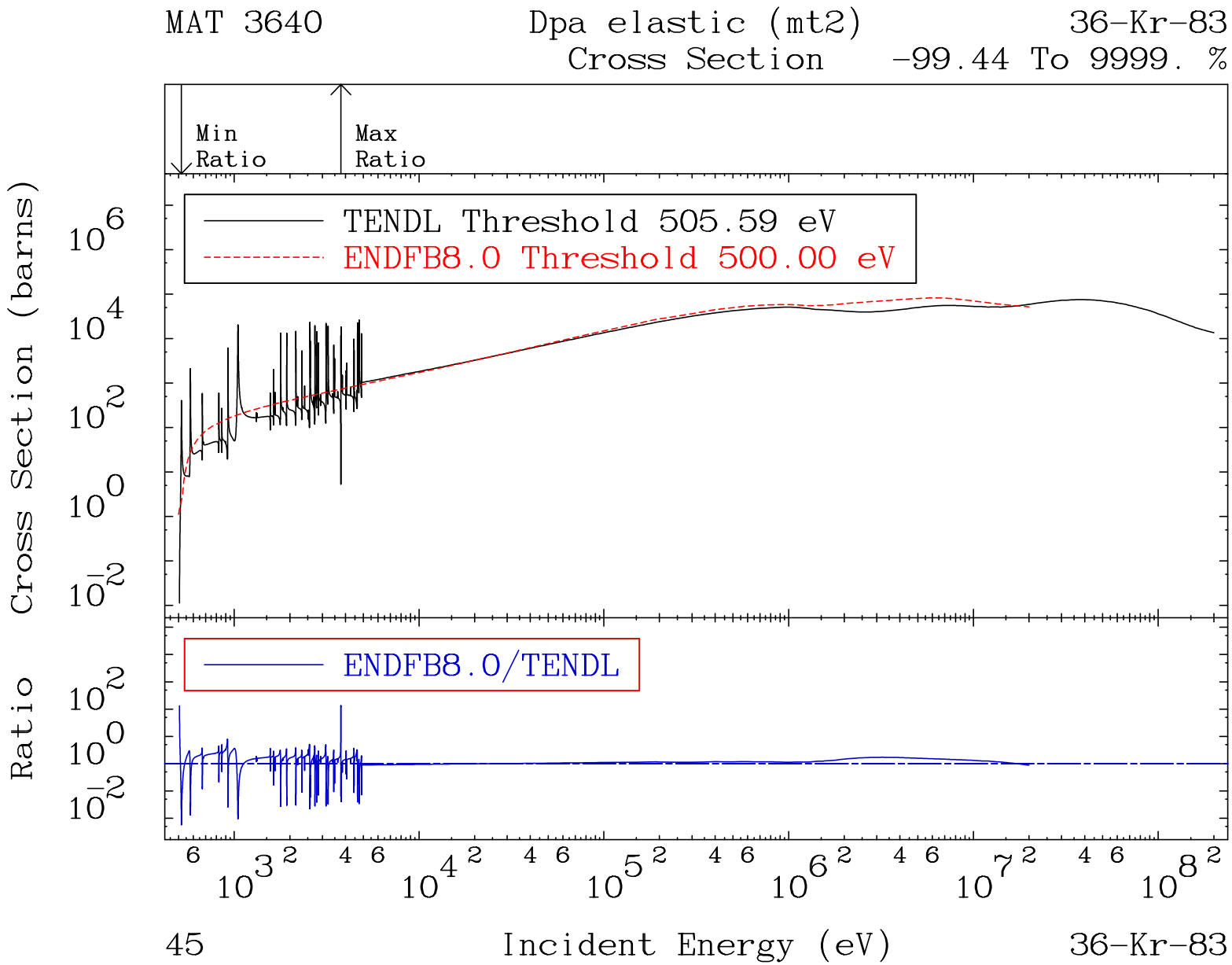

MAT 3640 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-83
Cross Section 64.07 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{10}
10^{5}
10^{0}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
40
Incident Energy (eV)
36-Kr-83

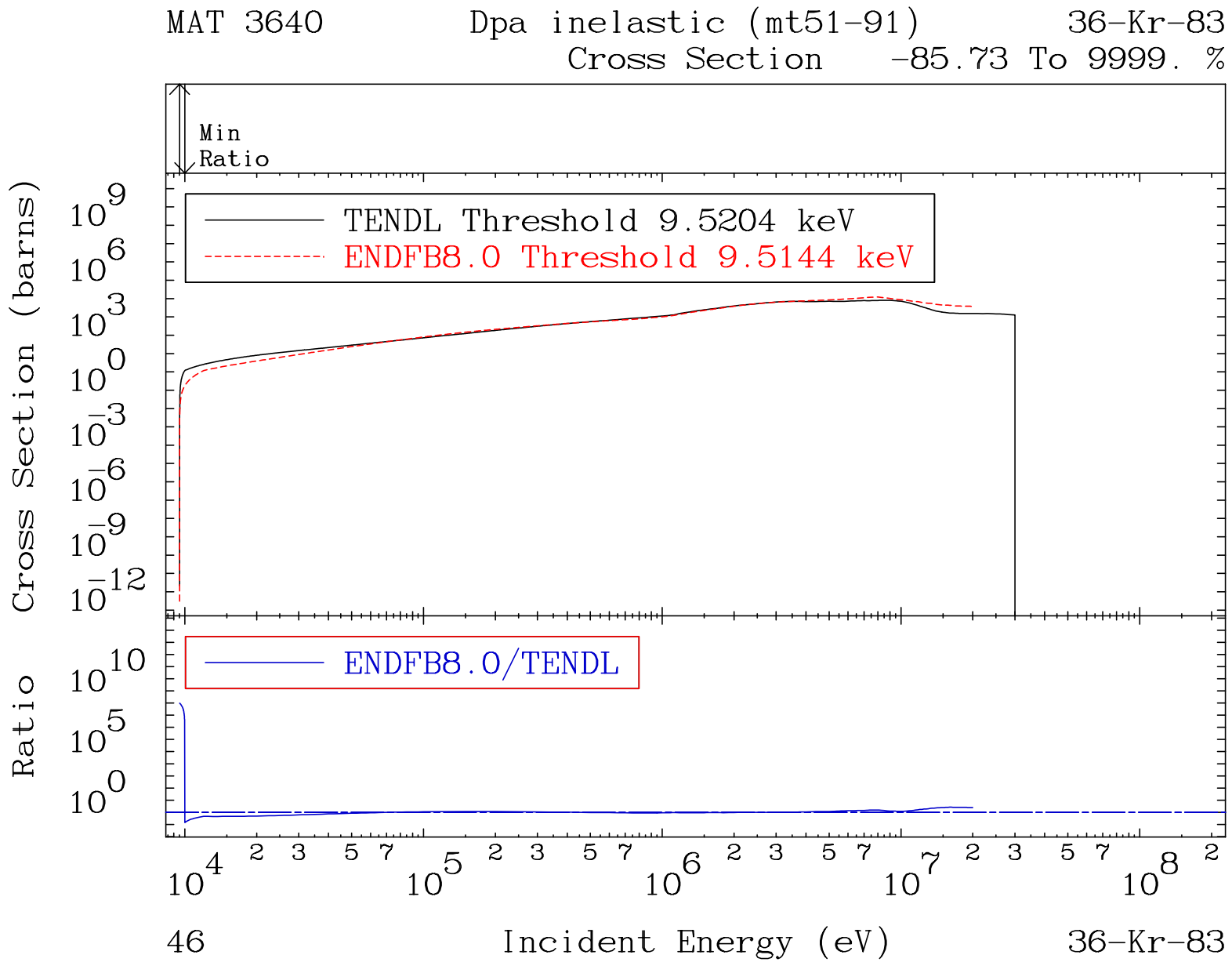

MAT 3640
Kerma capture (mt102)
36-Kr-83
Cross Section 9999. To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
41
36-Kr-83

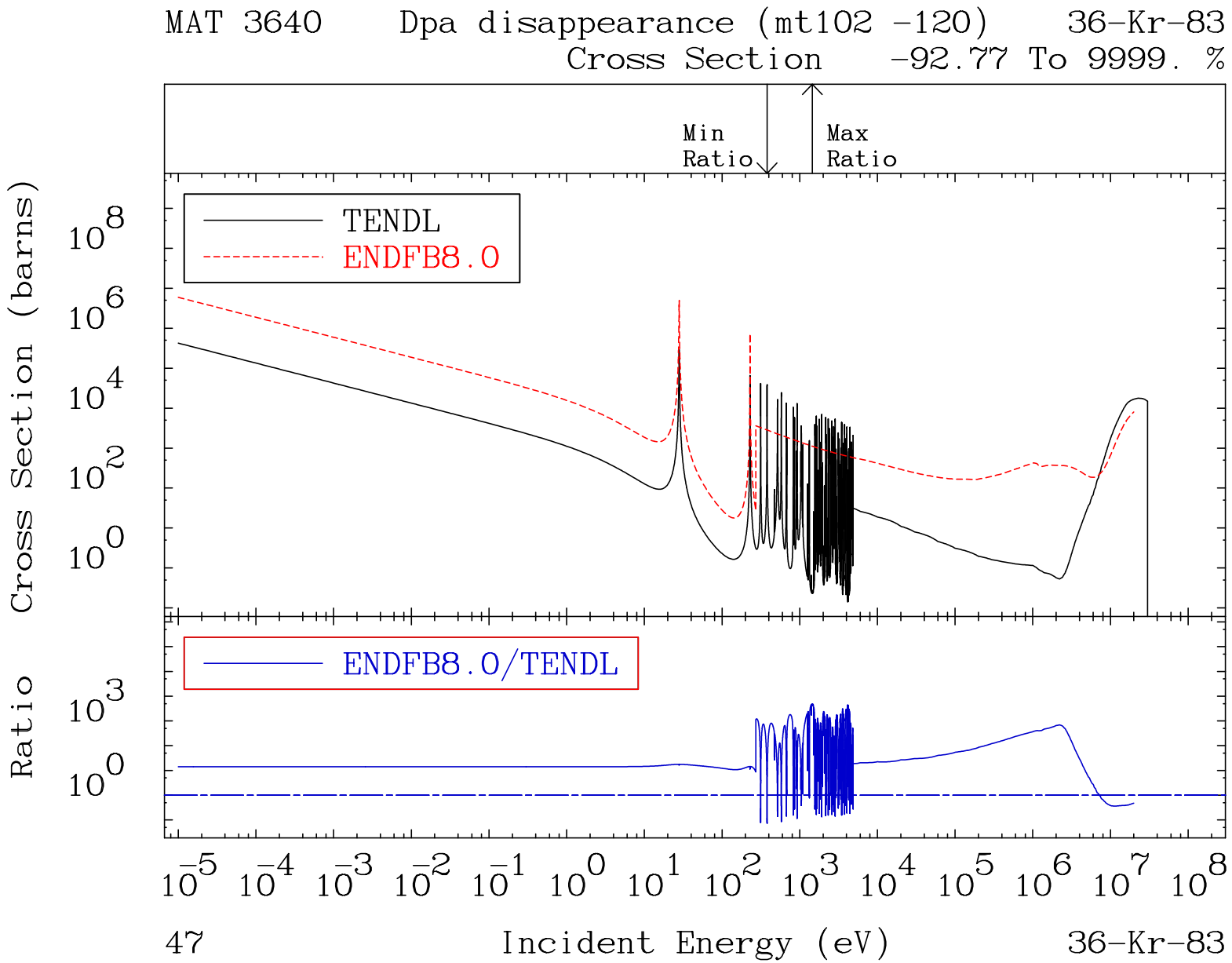

MAT 3640
Total photon (eV-barns)
36-Kr-83
Cross Section 9999. To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Ratio Cross Section (Giga-barns)
140
120
100
80
60
40
20
0
10^9
10^6
10^3
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
42
Incident Energy (eV)
36-Kr-83


MAT 3640 Total kinematic kerma (high limit) 36-Kr-83
Cross Section -94.89 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
43
36-Kr-83


MAT 3640
Dpa total (eV-barns)
36-Kr-83
Cross Section -94.87 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
44
36-Kr-83


MAT 3640
Dpa elastic (mt2)
Cross Section
36-Kr-83
-99.44 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 505.59 eV
ENDFB8.0 Threshold 500.00 eV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
45
36-Kr-83


MAT 3640
Dpa inelastic (mt51-91)
36-Kr-83
Cross Section
-85.73 To 9999. %
Min
Ratio
TENDL Threshold 9.5204 keV
ENDFB8.0 Threshold 9.5144 keV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
36-Kr-83


MAT 3640 Dpa disappearance (mt102 -120) 36-Kr-83
Cross Section -92.77 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47
36-Kr-83