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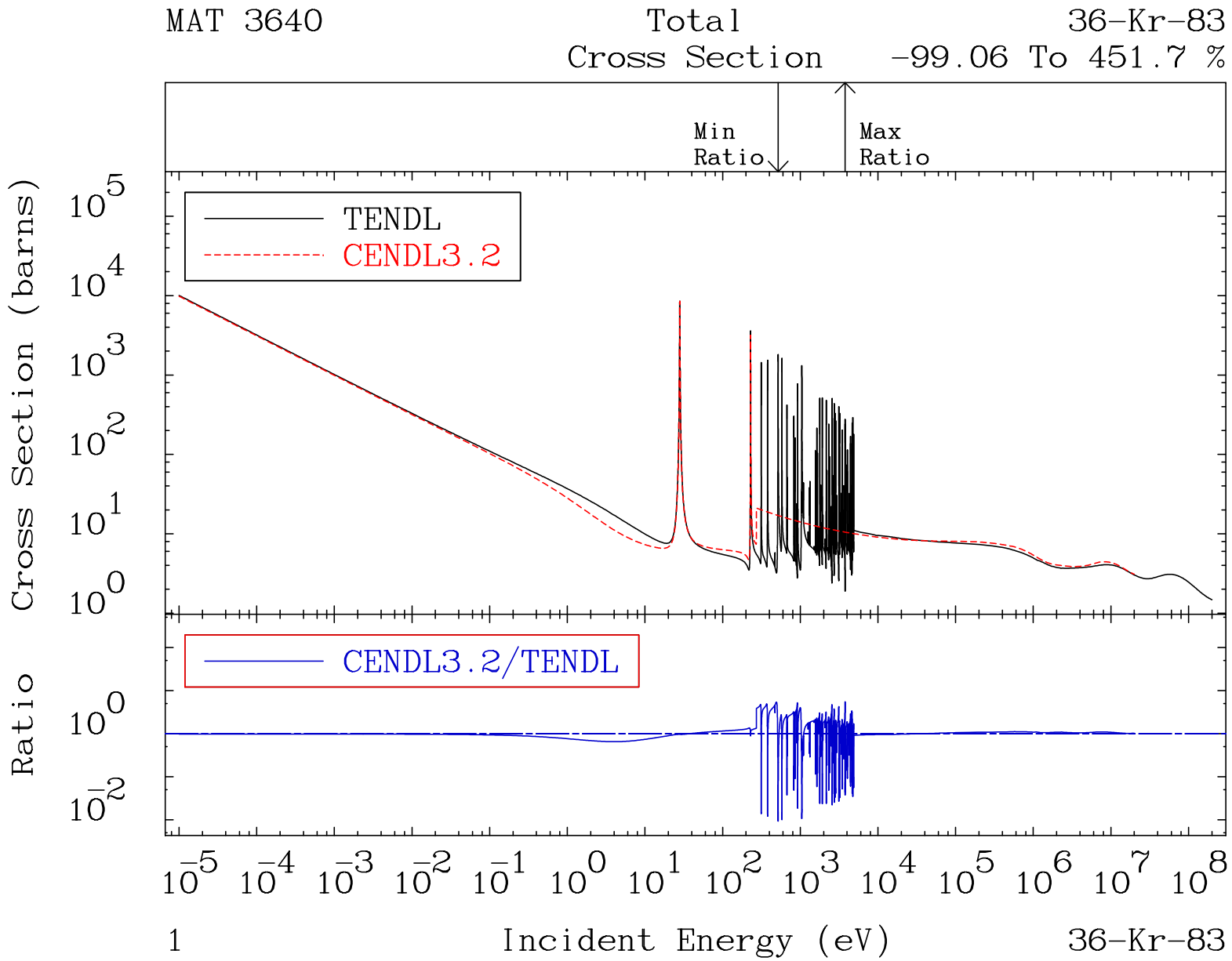
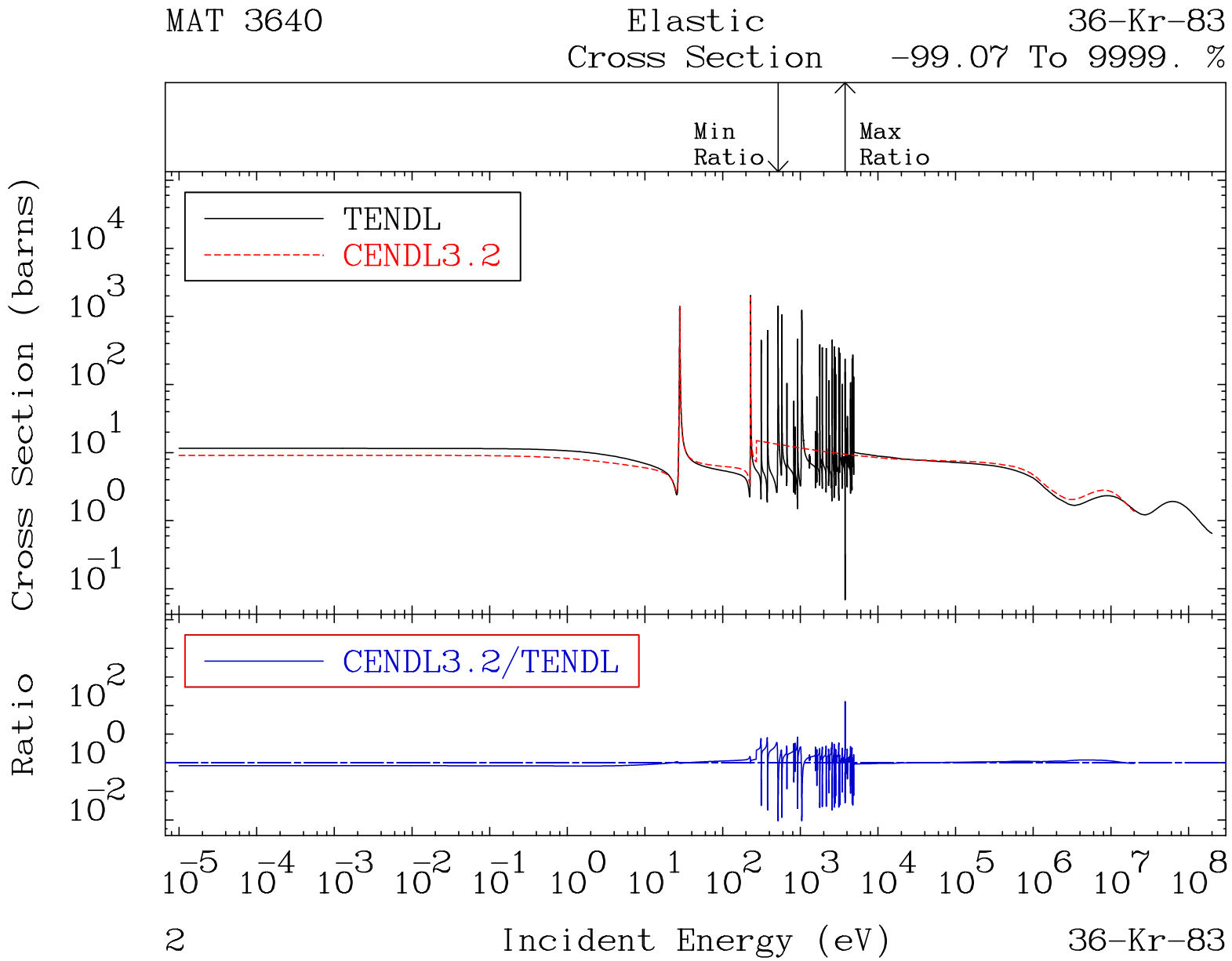
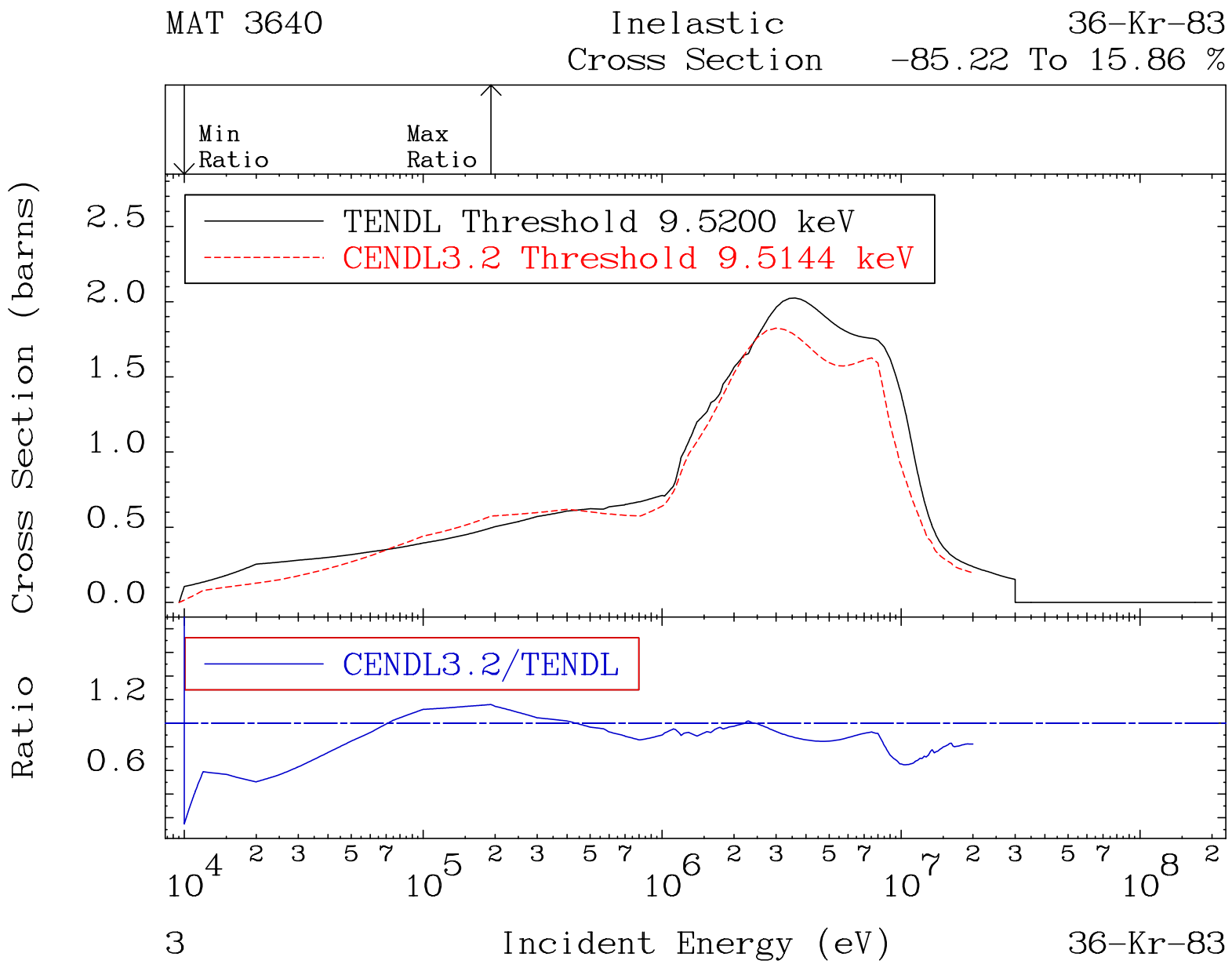
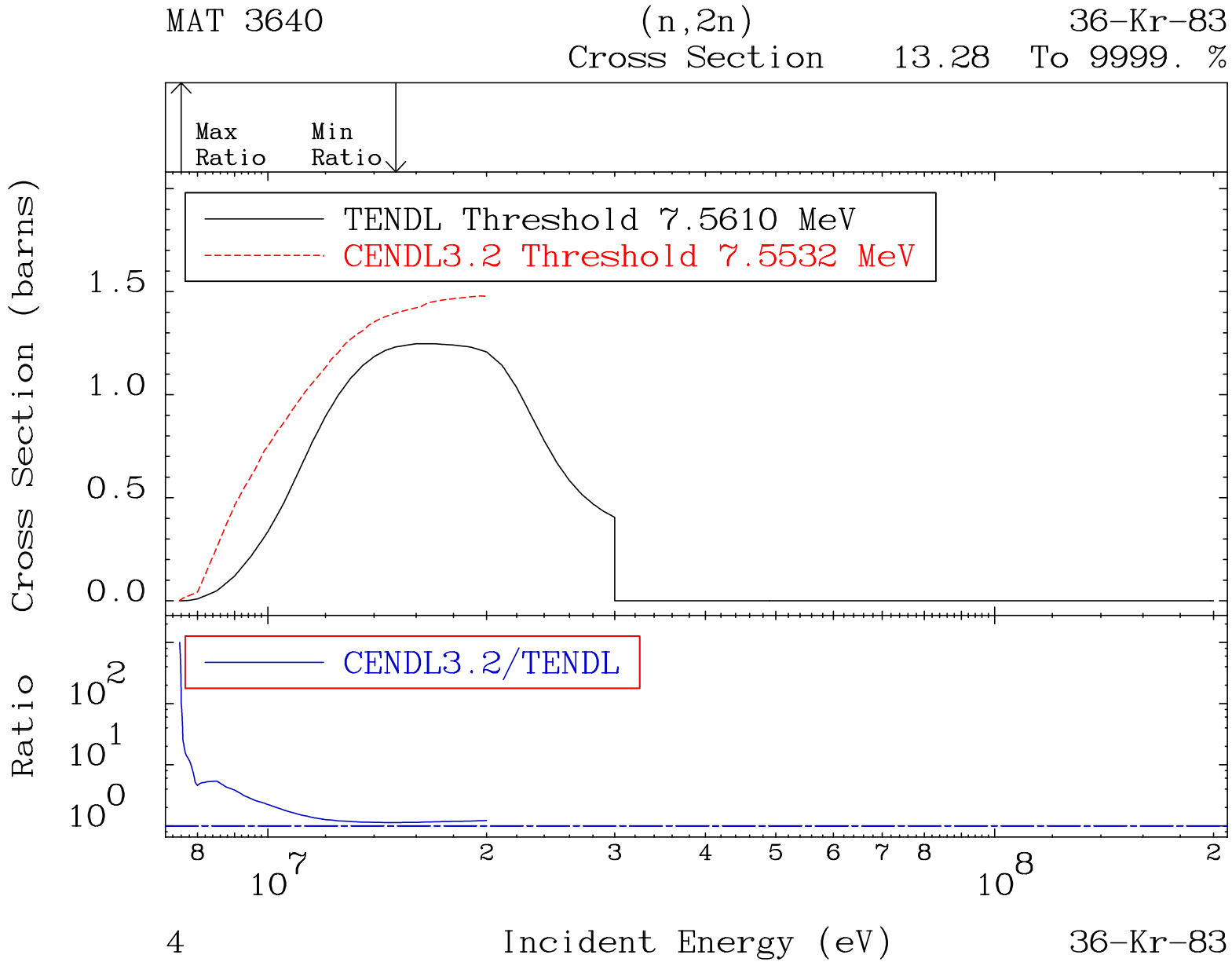
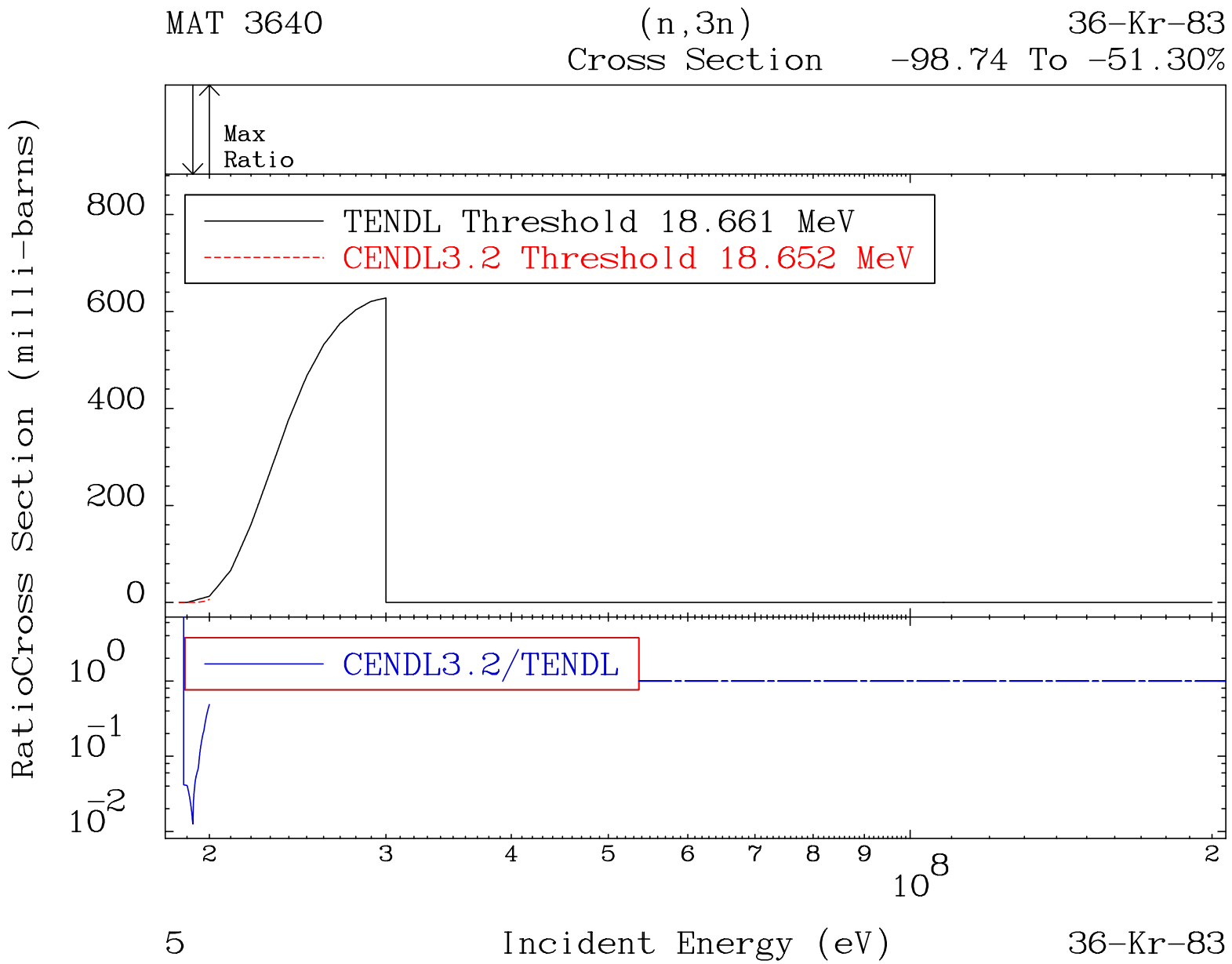
Press Mouse Button to Start

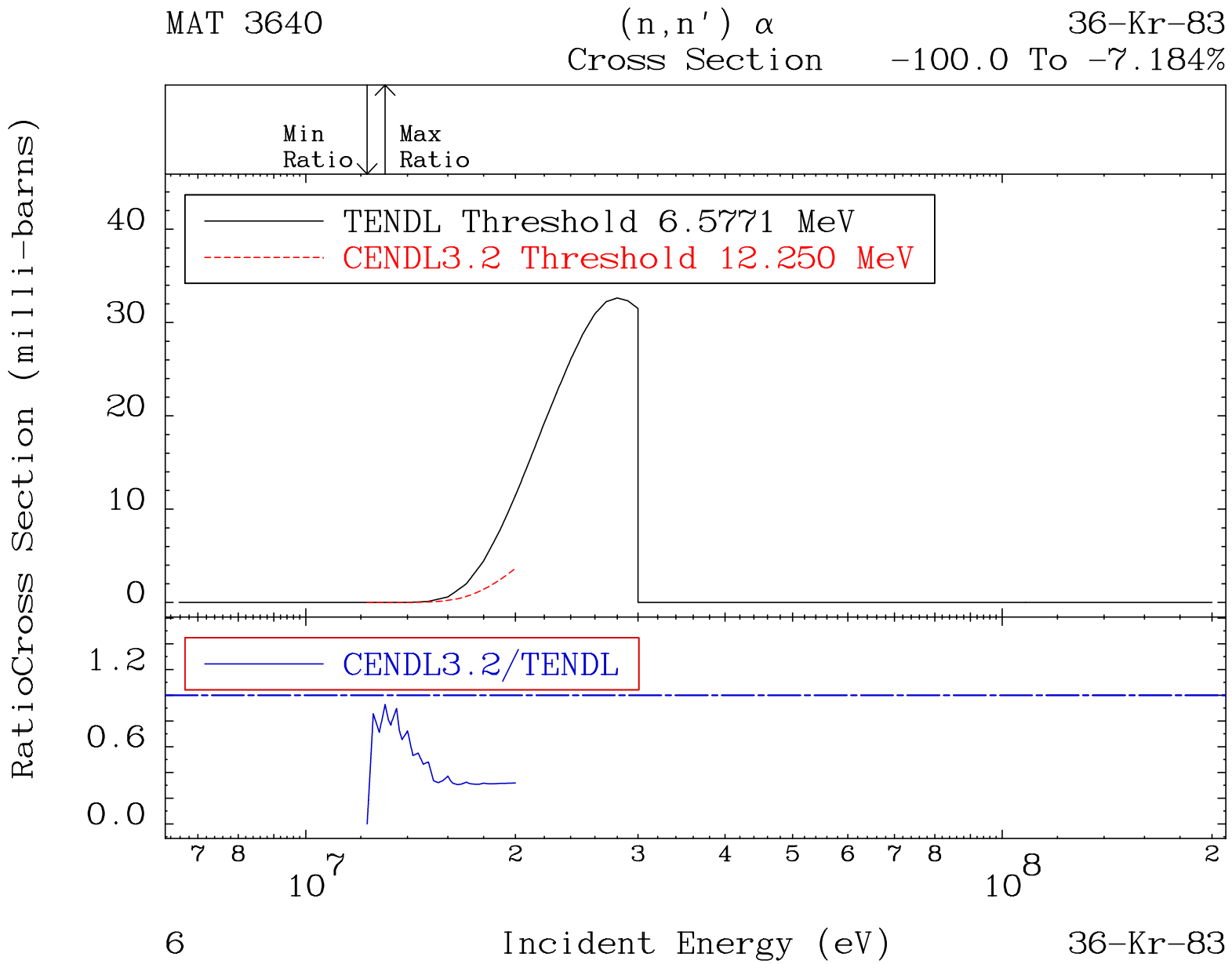

MAT 3640
Total
Cross Section
36-Kr-83
-99.06 To 451.7 %
Min
Ratio
Max
Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
36-Kr-83

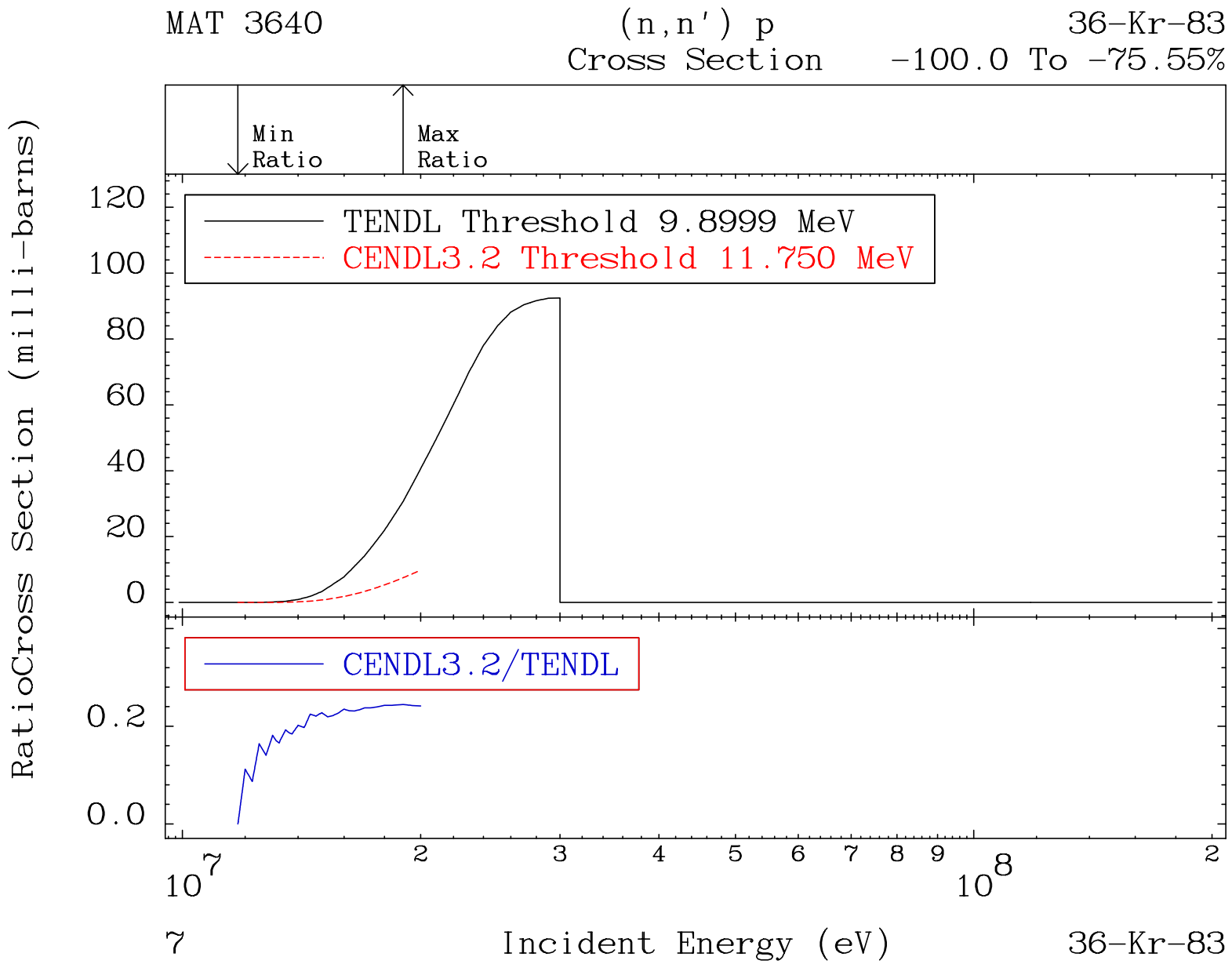

MAT 3640
Elastic
Cross Section
36-Kr-83
-99.07 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
2
36-Kr-83

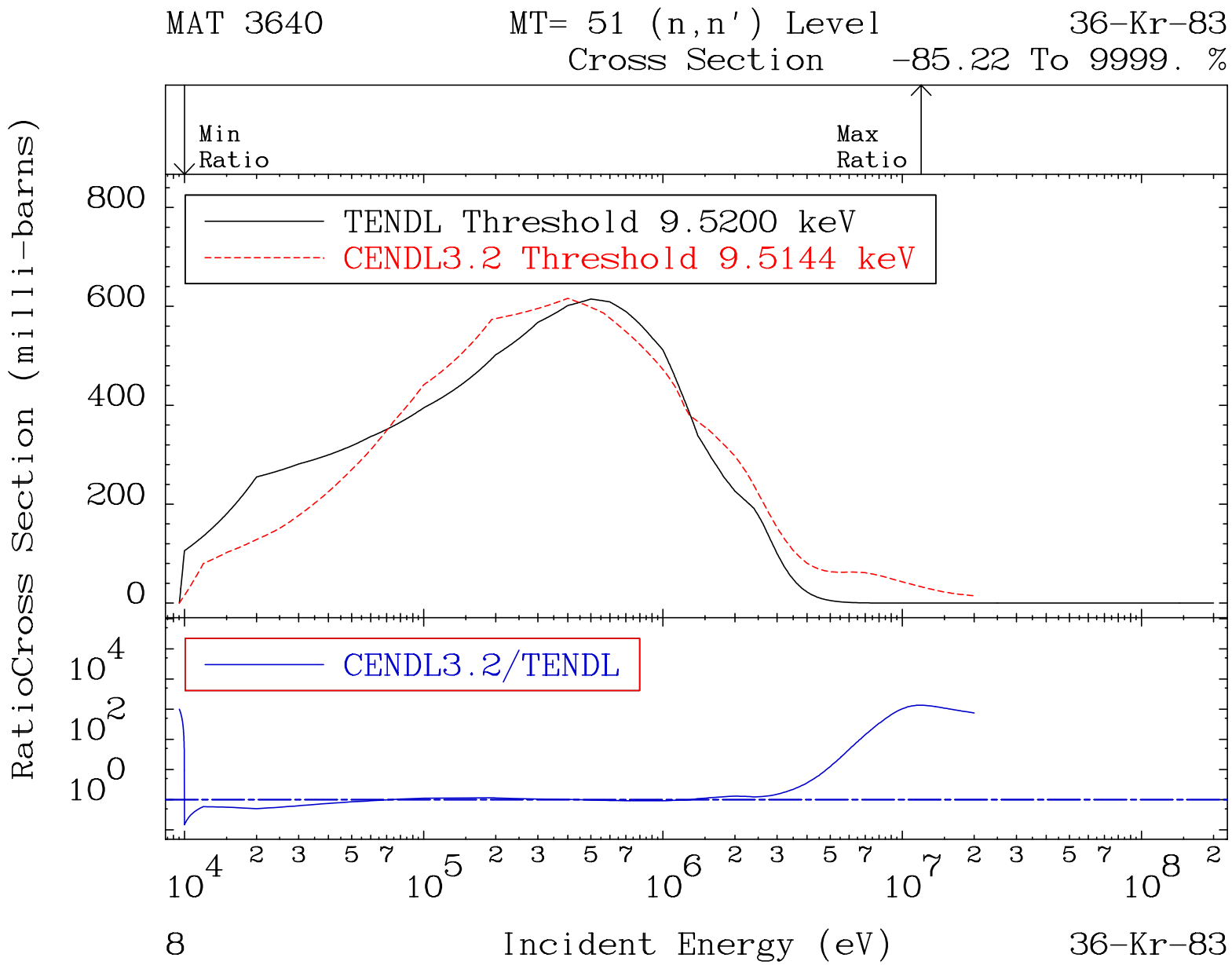

MAT 3640
Inelastic
Cross Section
36-Kr-83
-85.22 To 15.86 %
Min Ratio
Max Ratio
TENDL Threshold 9.5200 keV
CENDL3.2 Threshold 9.5144 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
CENDL3.2/TENDL
Ratio
1.2
0.6
10^4
10^5
10^6
10^7
10^8
Incident Energy (eV)
3
36-Kr-83

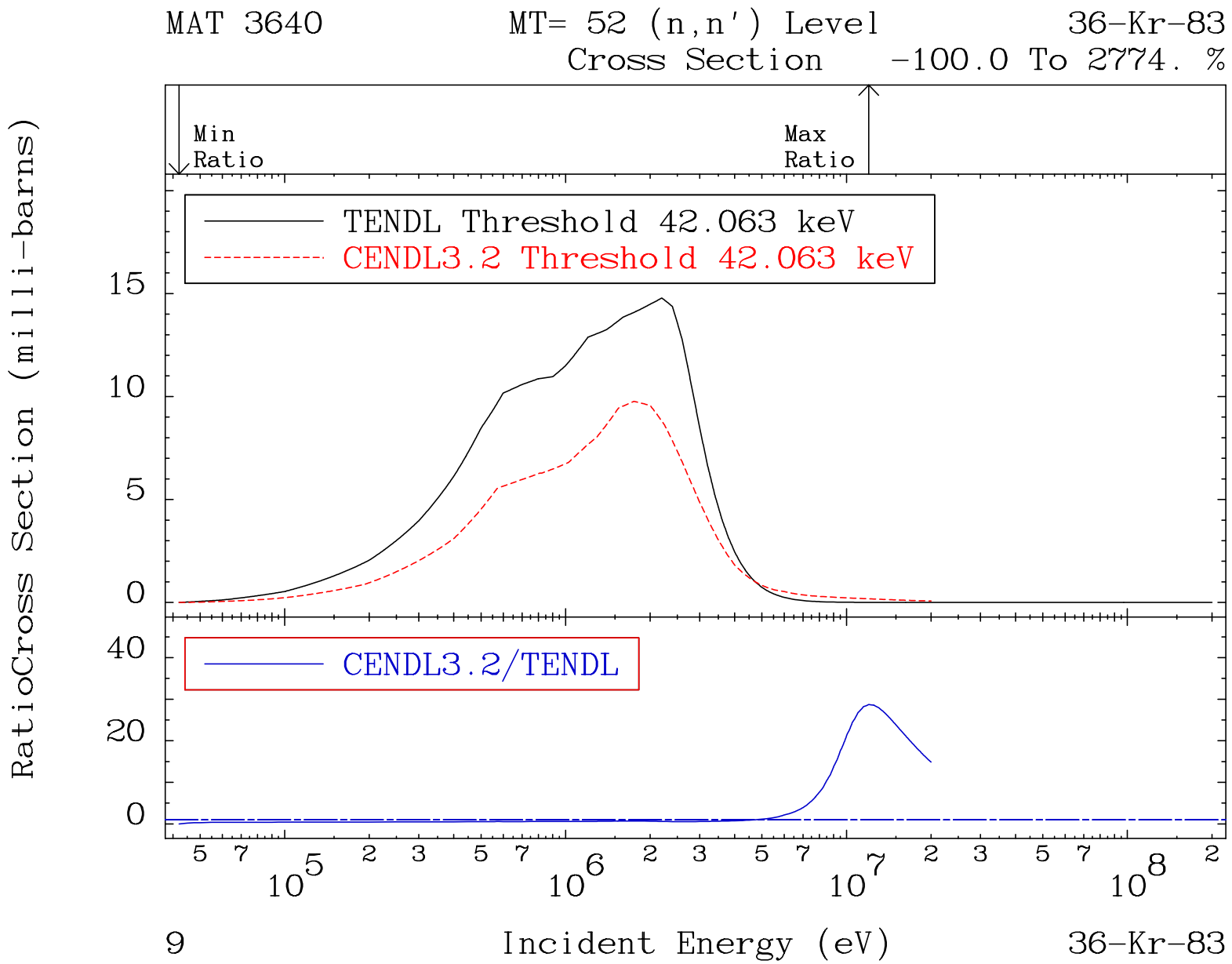

MAT 3640
(n,2n)
36-Kr-83
Cross Section 13.28 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 7.5610 MeV
CENDL3.2 Threshold 7.5532 MeV
Cross Section (barns)
1.5
1.0
0.5
0.0
CENDL3.2/TENDL
Ratio
10^2
10^1
10^0
8
10^7
2
3
4
5
6
7
8
10^8
2
4
Incident Energy (eV)
36-Kr-83

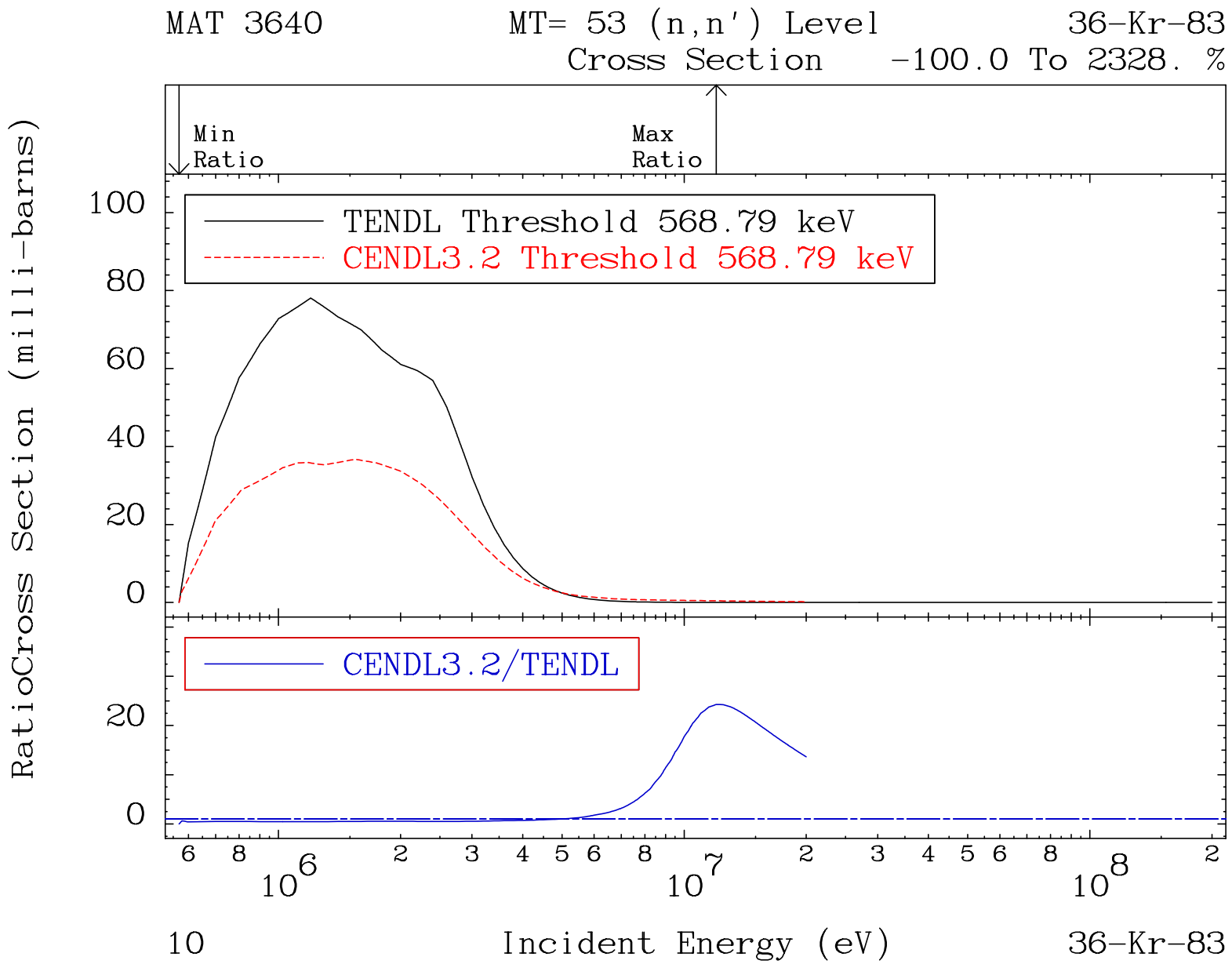

MAT 3640
(n,3n)
Cross Section
36-Kr-83
-98.74 To -51.30%
Max
Ratio
TENDL Threshold 18.661 MeV
CENDL3.2 Threshold 18.652 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
10^0
10^-1
10^-2
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
36-Kr-83

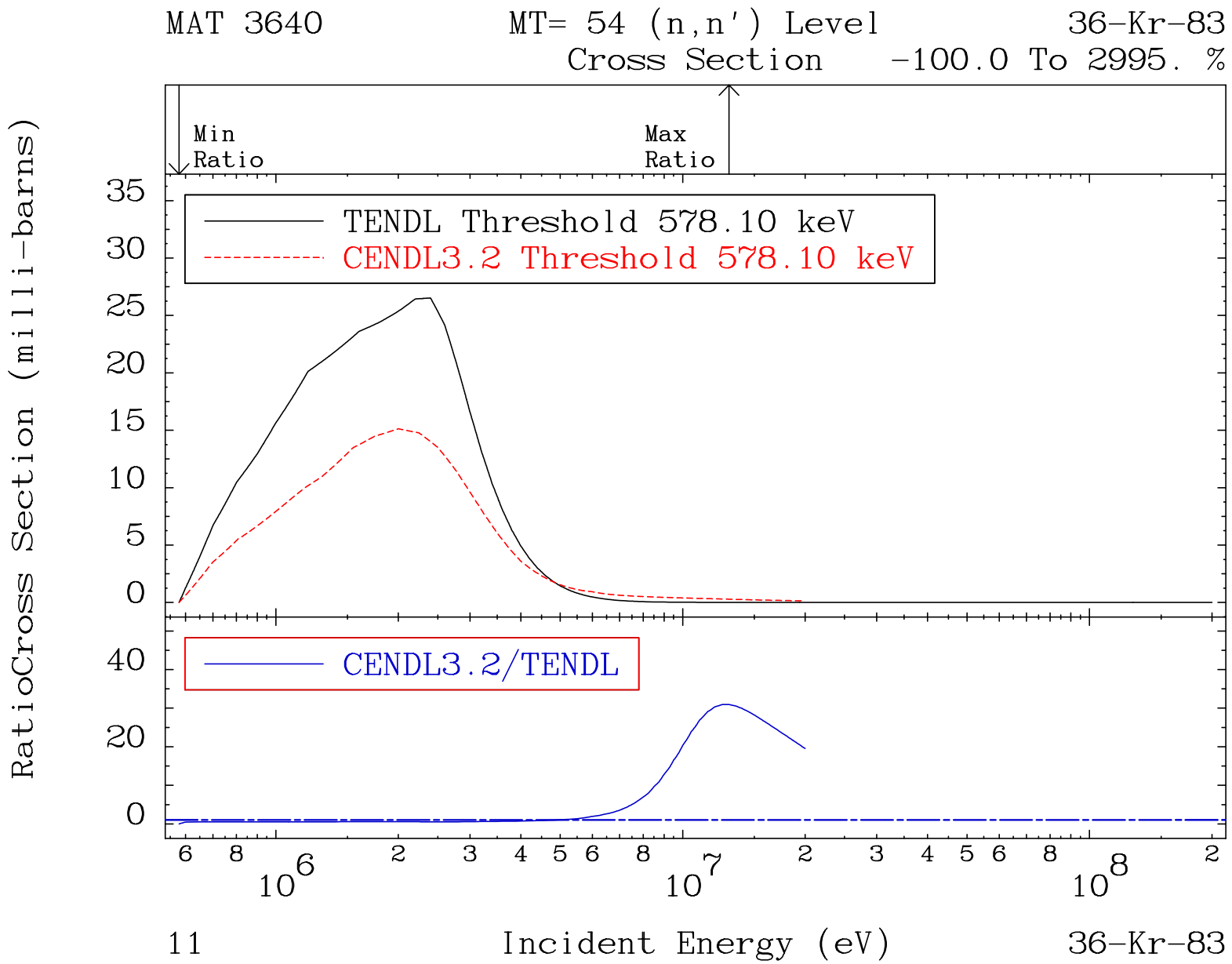

MAT 3640
(n,n') α
Cross Section
36-Kr-83
-100.0 To -7.184%
Min Ratio
Max Ratio
TENDL Threshold 6.5771 MeV
CENDL3.2 Threshold 12.250 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.2
0.6
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
6
Incident Energy (eV)
36-Kr-83

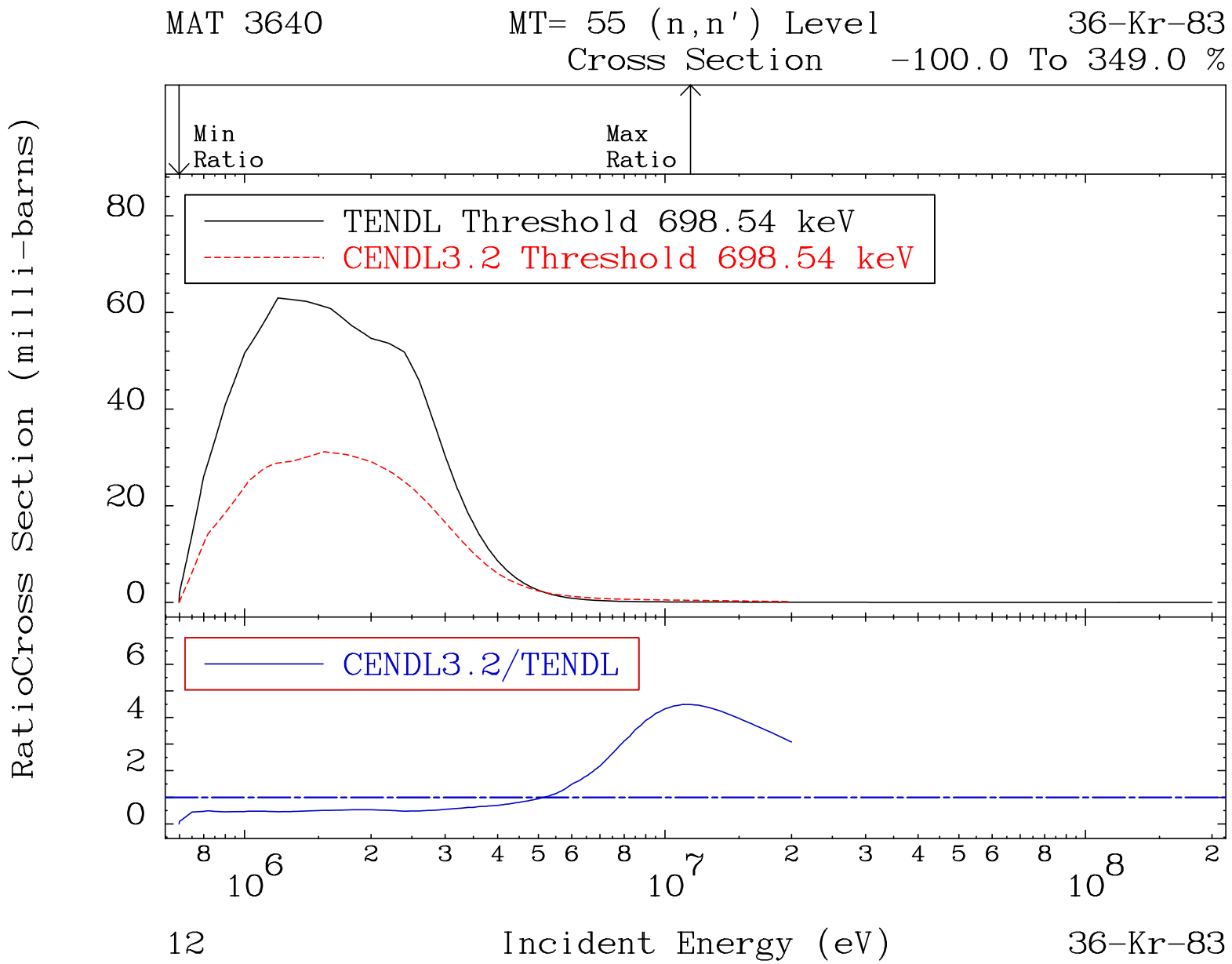

MAT 3640
(n,n') p
Cross Section
36-Kr-83
-100.0 To -75.55%
Min Ratio
Max Ratio
TENDL Threshold 9.8999 MeV
CENDL3.2 Threshold 11.750 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
0.2
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
36-Kr-83

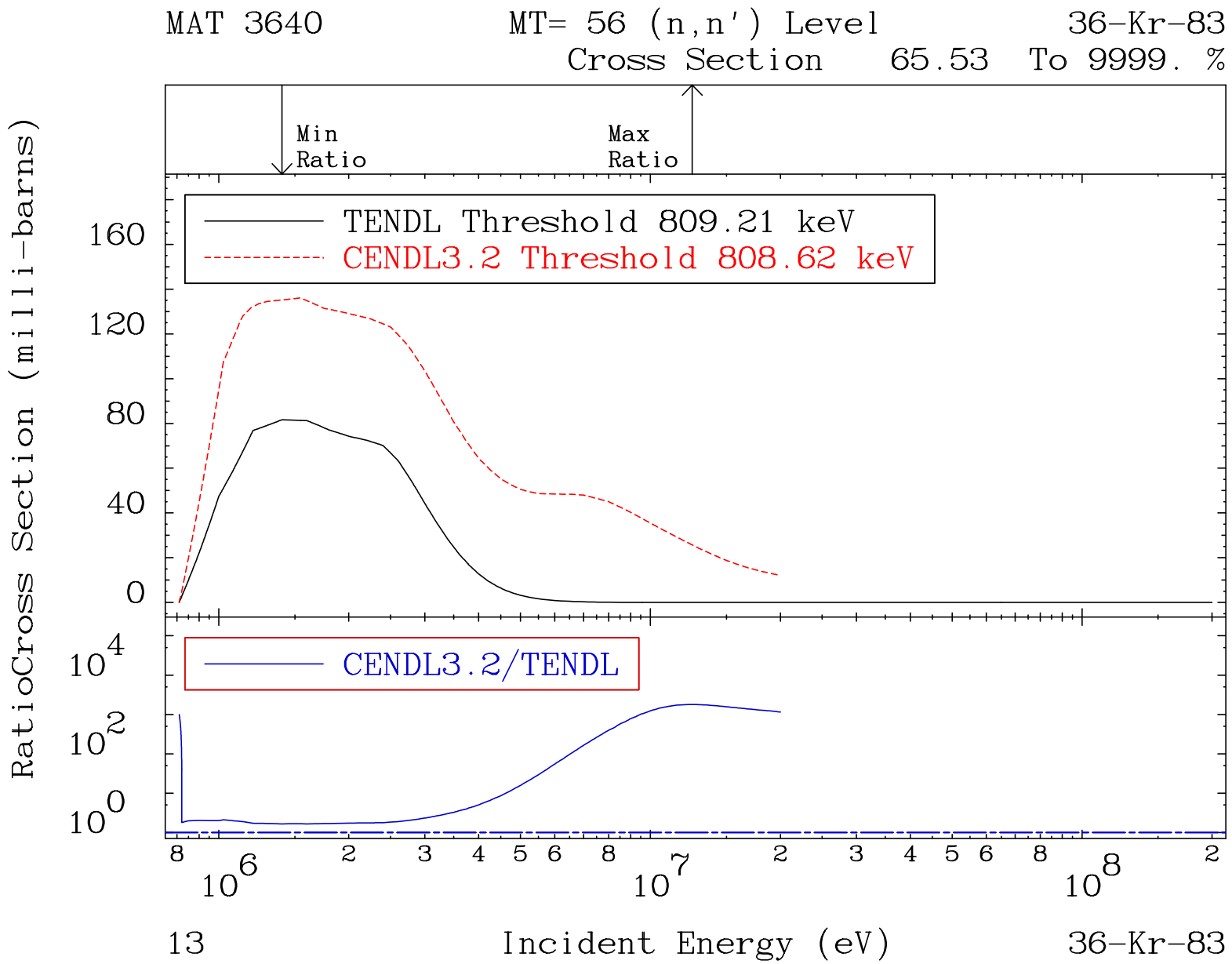

MAT 3640
MT= 51 (n,n') Level
36-Kr-83
Cross Section
-85.22 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 9.5200 keV
CENDL3.2 Threshold 9.5144 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
8
36-Kr-83

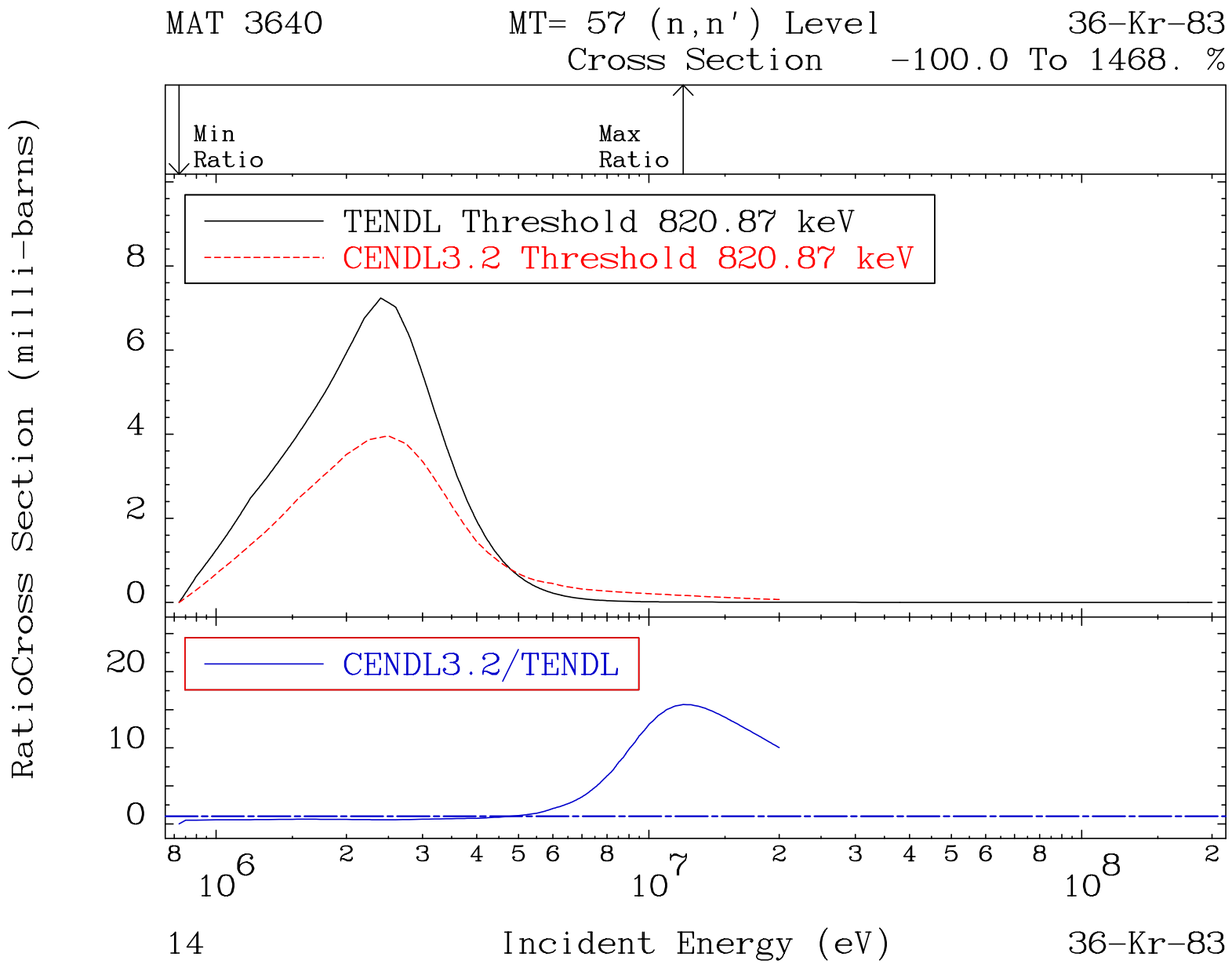

MAT 3640
MT= 52 (n,n') Level
Cross Section
36-Kr-83
-100.0 To 2774. %
Min Ratio
Max Ratio
TENDL Threshold 42.063 keV
CENDL3.2 Threshold 42.063 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
9
36-Kr-83

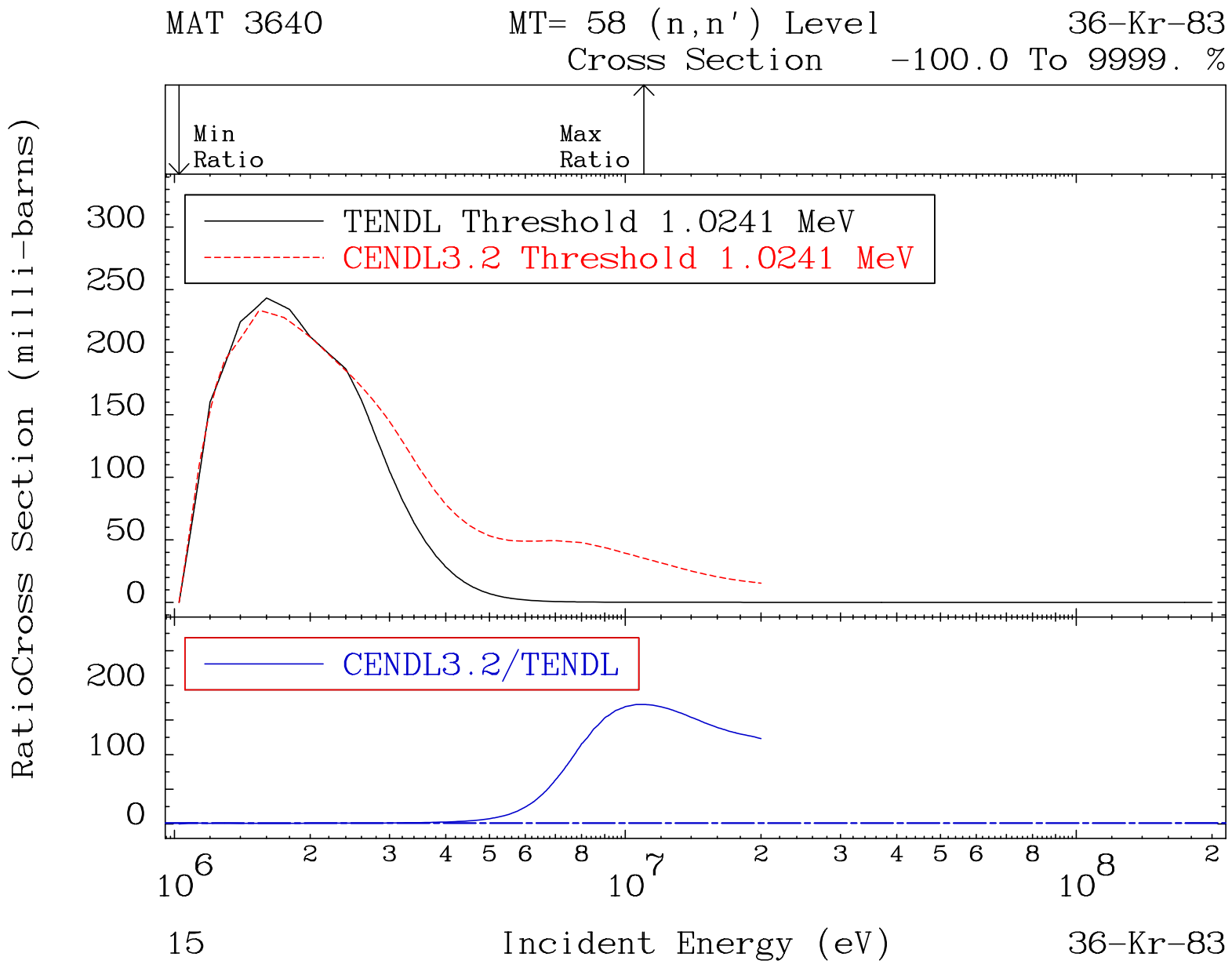

MAT 3640
MT= 53 (n,n') Level
36-Kr-83
Cross Section -100.0 To 2328. %
Min Ratio
Max Ratio
TENDL Threshold 568.79 keV
CENDL3.2 Threshold 568.79 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
36-Kr-83
10

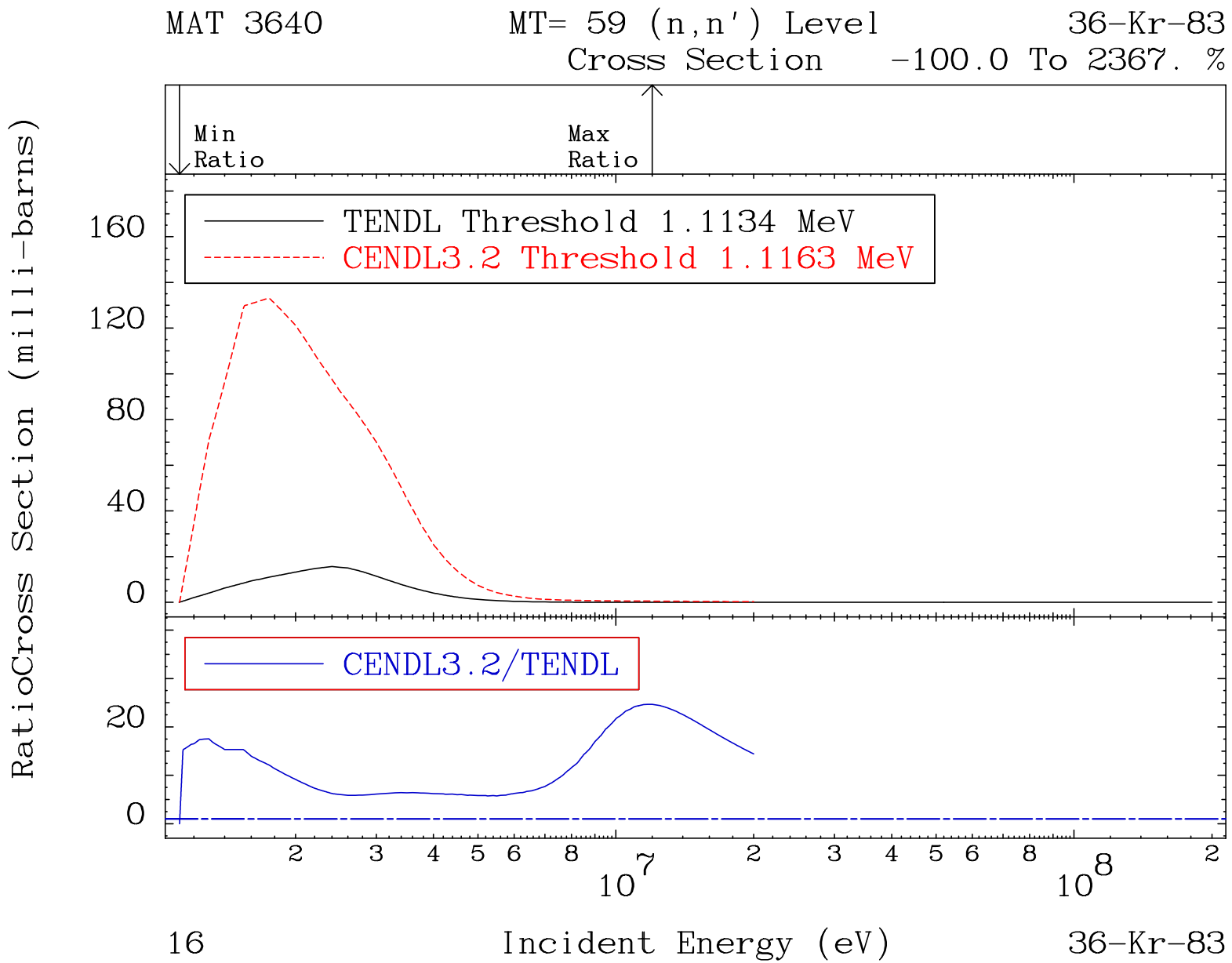

MAT 3640
MT= 54 (n,n') Level
36-Kr-83
Cross Section -100.0 To 2995. %
Min Ratio
Max Ratio
TENDL Threshold 578.10 keV
CENDL3.2 Threshold 578.10 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
11
36-Kr-83

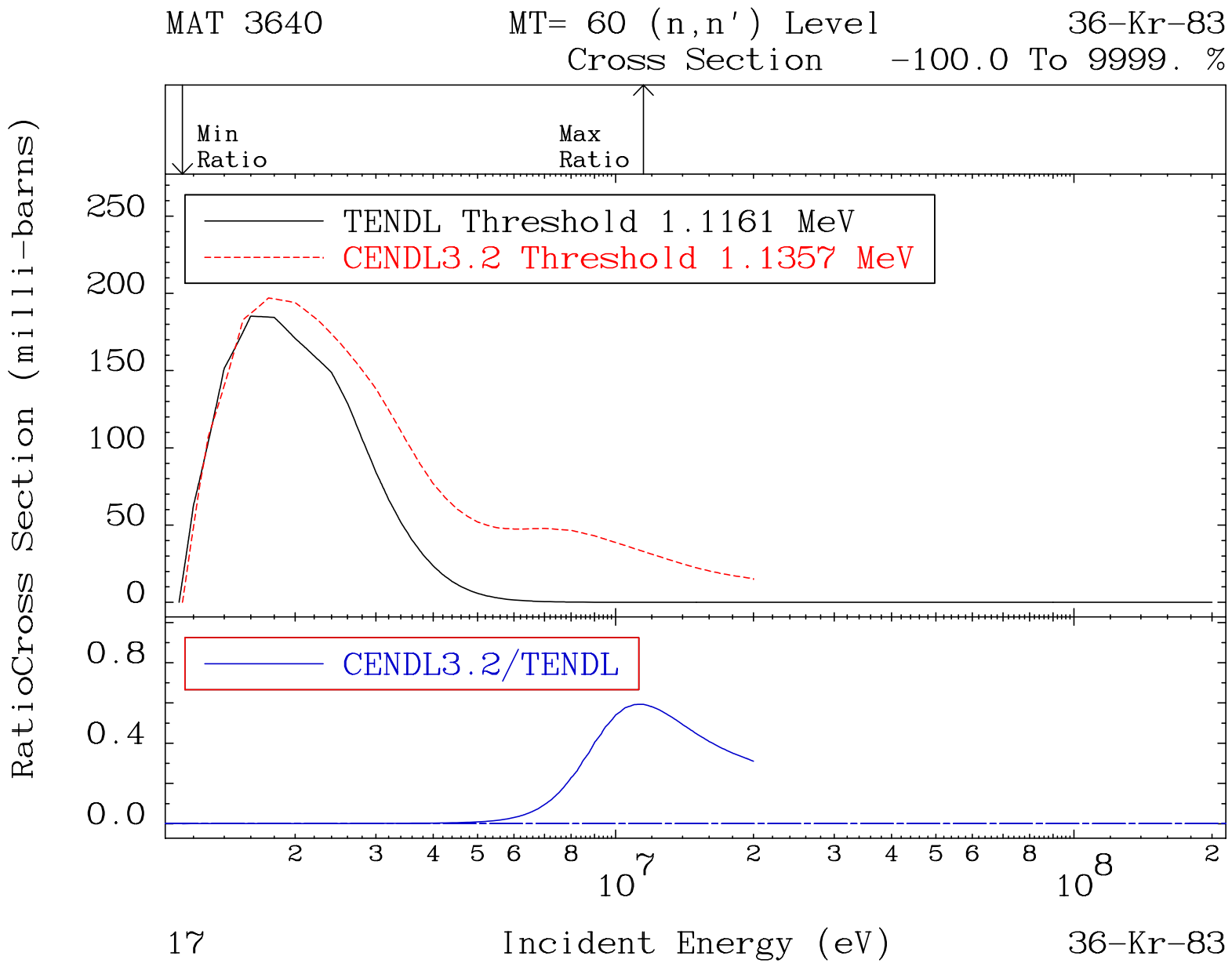

MAT 3640
MT= 55 (n,n') Level
36-Kr-83
Cross Section
-100.0 To 349.0 %
Min Ratio
Max Ratio
TENDL Threshold 698.54 keV
CENDL3.2 Threshold 698.54 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
12
36-Kr-83

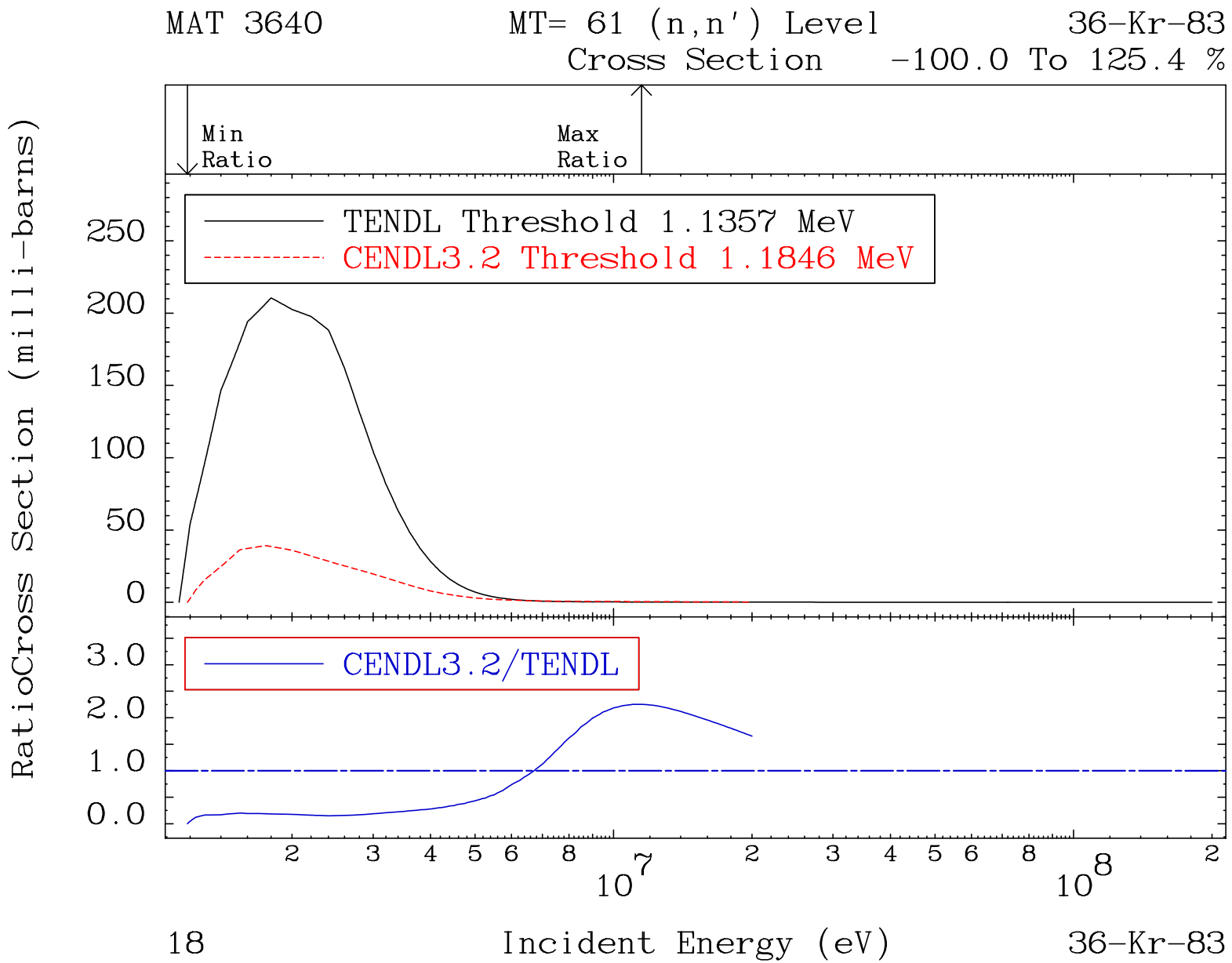

MAT 3640
MT= 56 (n,n') Level
36-Kr-83
Cross Section 65.53 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 809.21 keV
CENDL3.2 Threshold 808.62 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^4
10^2
10^0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
13
Incident Energy (eV)
36-Kr-83

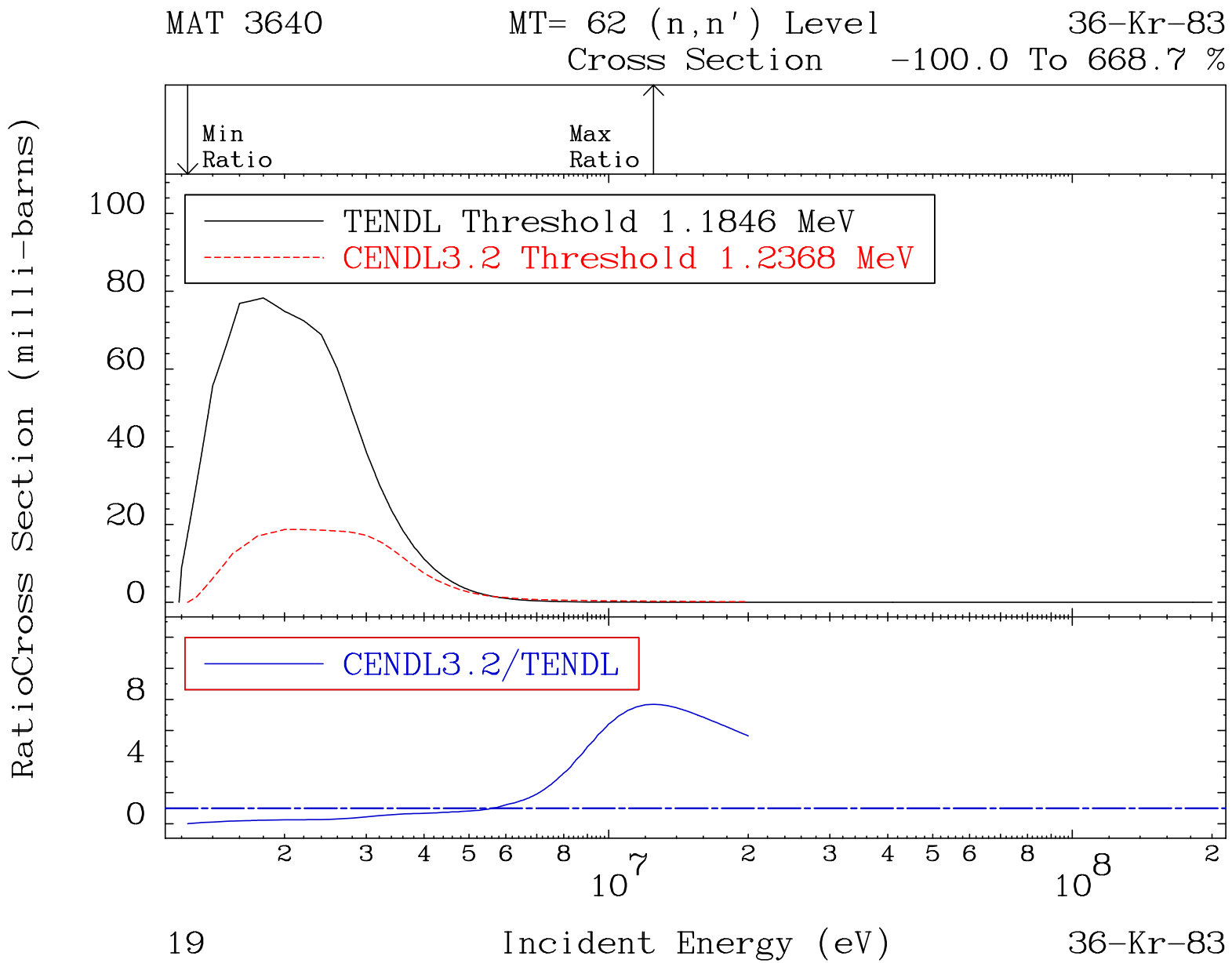

MAT 3640
MT= 57 (n,n') Level
36-Kr-83
Cross Section -100.0 To 1468. %
Min Ratio
Max Ratio
TENDL Threshold 820.87 keV
CENDL3.2 Threshold 820.87 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
14
36-Kr-83

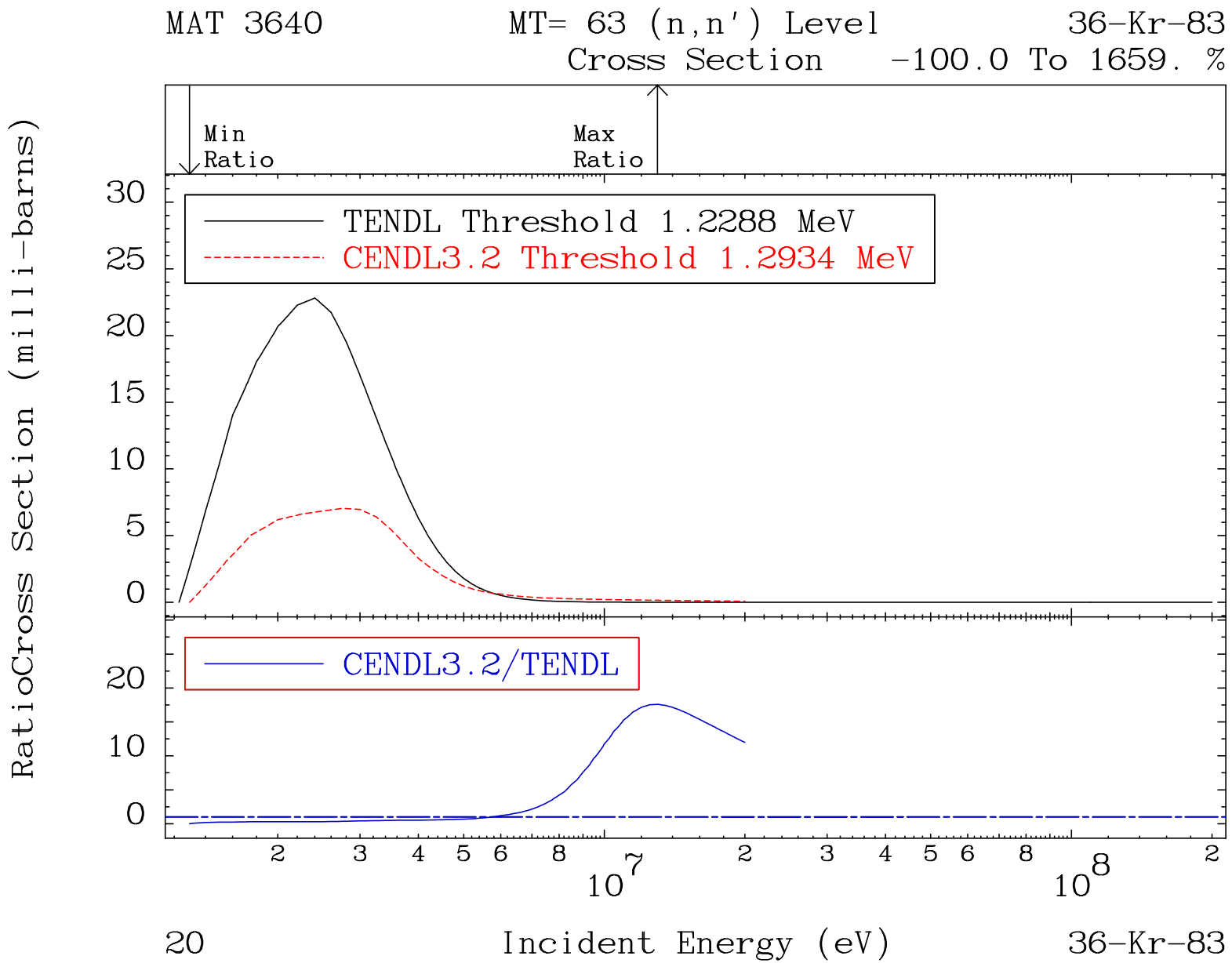

MAT 3640
MT= 58 (n,n') Level
36-Kr-83
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.0241 MeV
CENDL3.2 Threshold 1.0241 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
200
100
0
10^6
2 3 4 5 6 8
10^7
2 3 4 5 6 8
10^8
2
15
Incident Energy (eV)
36-Kr-83

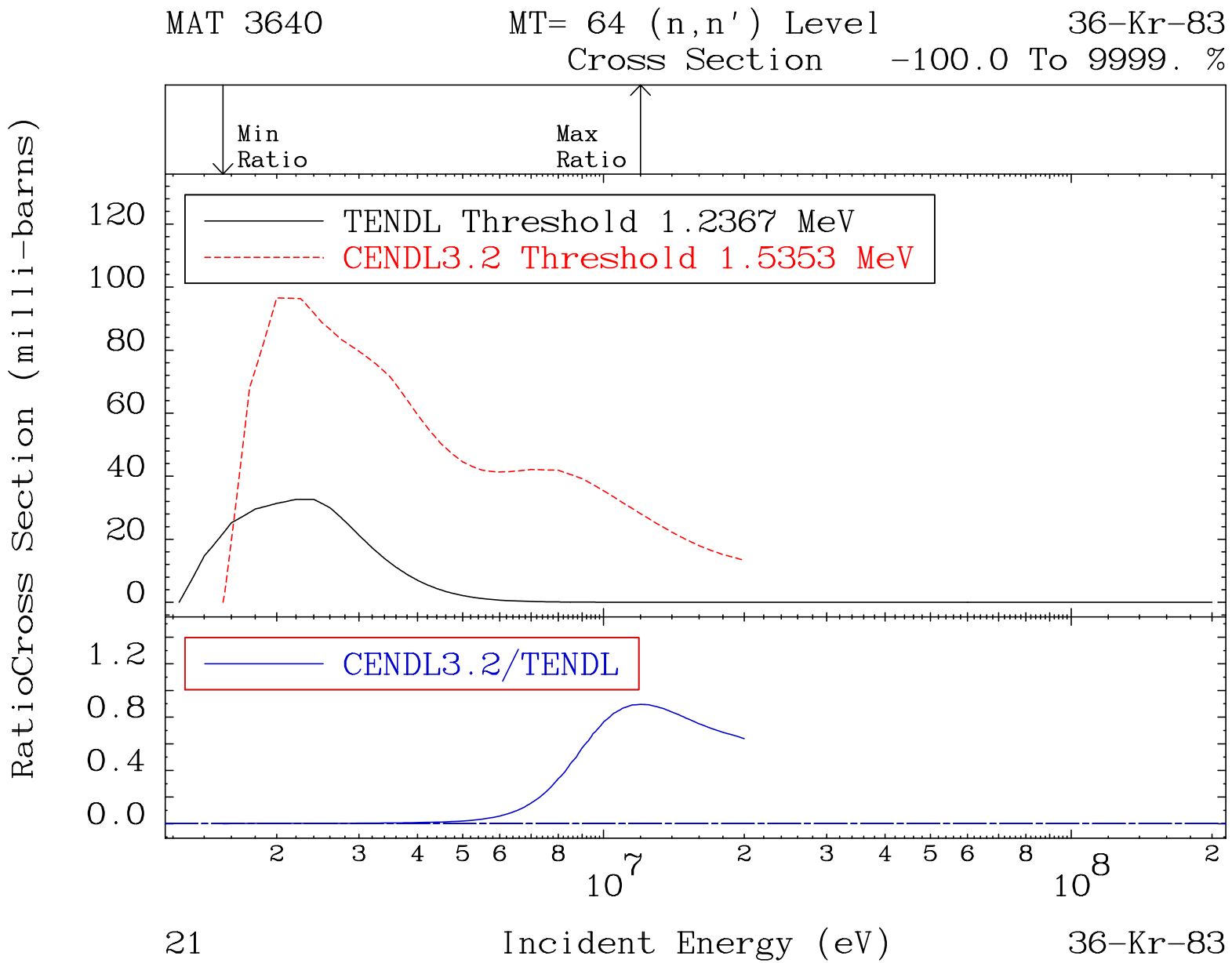

MAT 3640
MT= 59 (n,n') Level
36-Kr-83
Cross Section -100.0 To 2367. %
Min Ratio
Max Ratio
TENDL Threshold 1.1134 MeV
CENDL3.2 Threshold 1.1163 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
20
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
16
Incident Energy (eV)
36-Kr-83

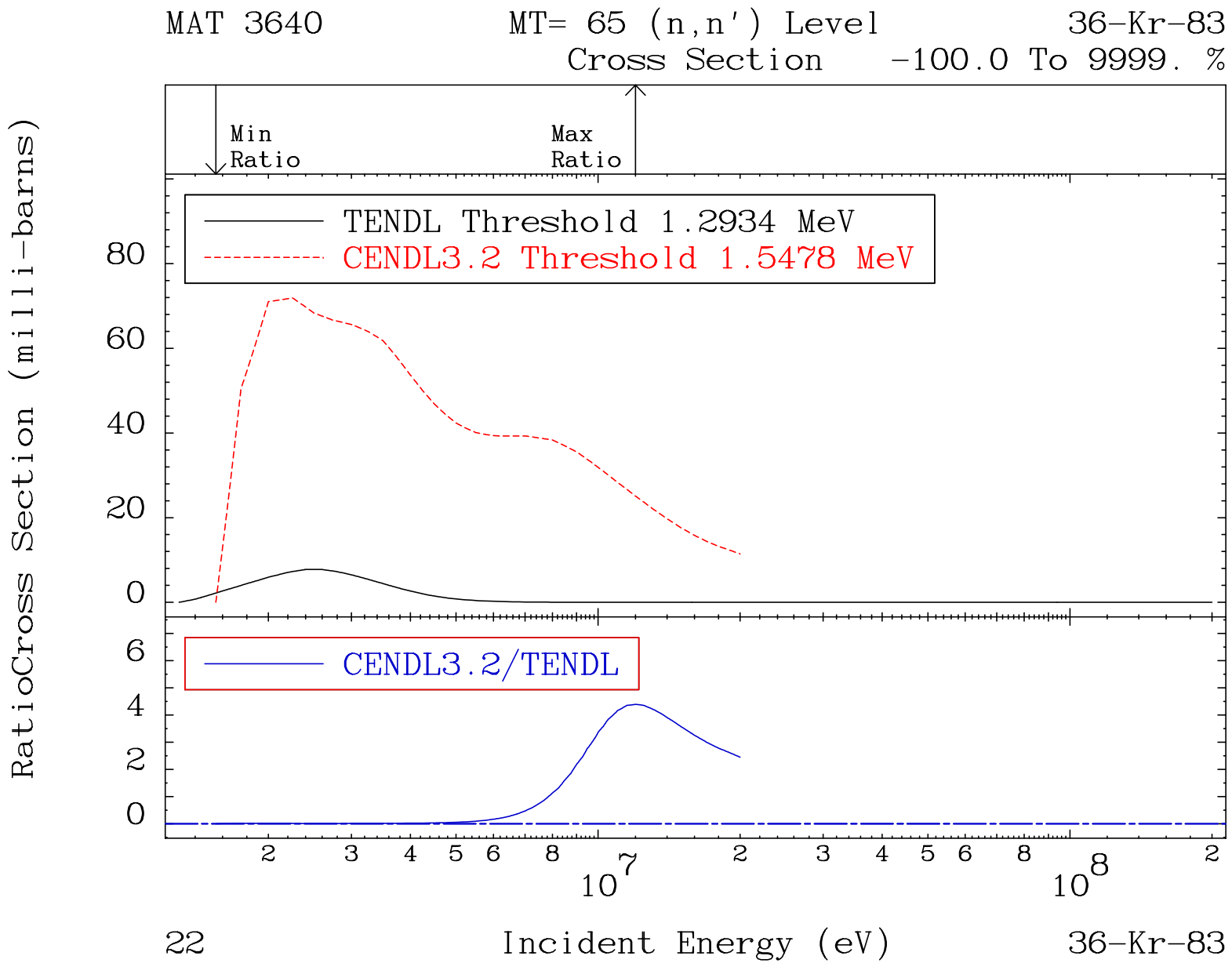

MAT 3640
MT= 60 (n,n') Level
36-Kr-83
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.1161 MeV
CENDL3.2 Threshold 1.1357 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
0.8
0.4
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
17
Incident Energy (eV)
36-Kr-83

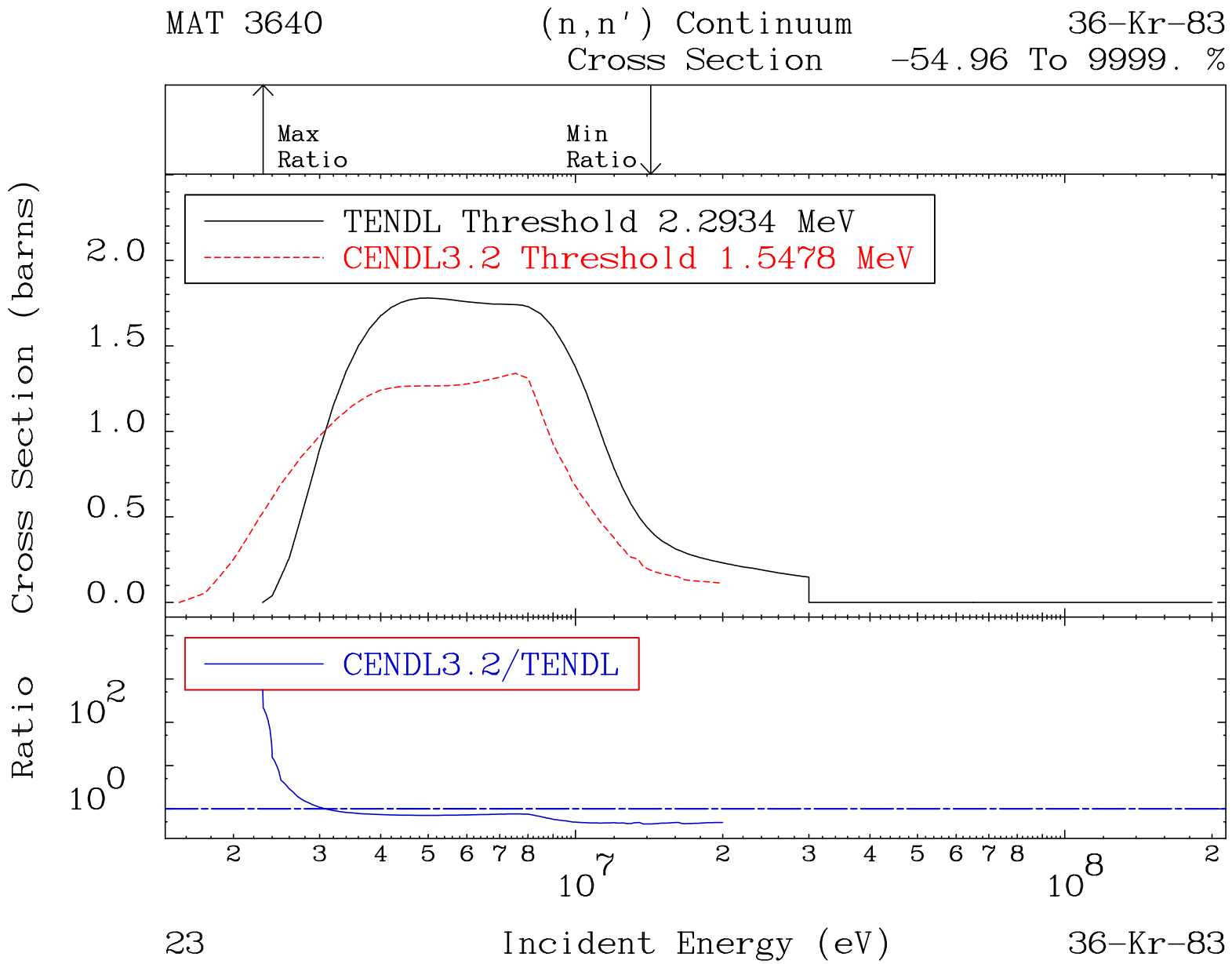

MAT 3640
MT= 61 (n,n') Level
36-Kr-83
Cross Section -100.0 To 125.4 %
Min Ratio
Max Ratio
TENDL Threshold 1.1357 MeV
CENDL3.2 Threshold 1.1846 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
3.0
2.0
1.0
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
18
Incident Energy (eV)
36-Kr-83

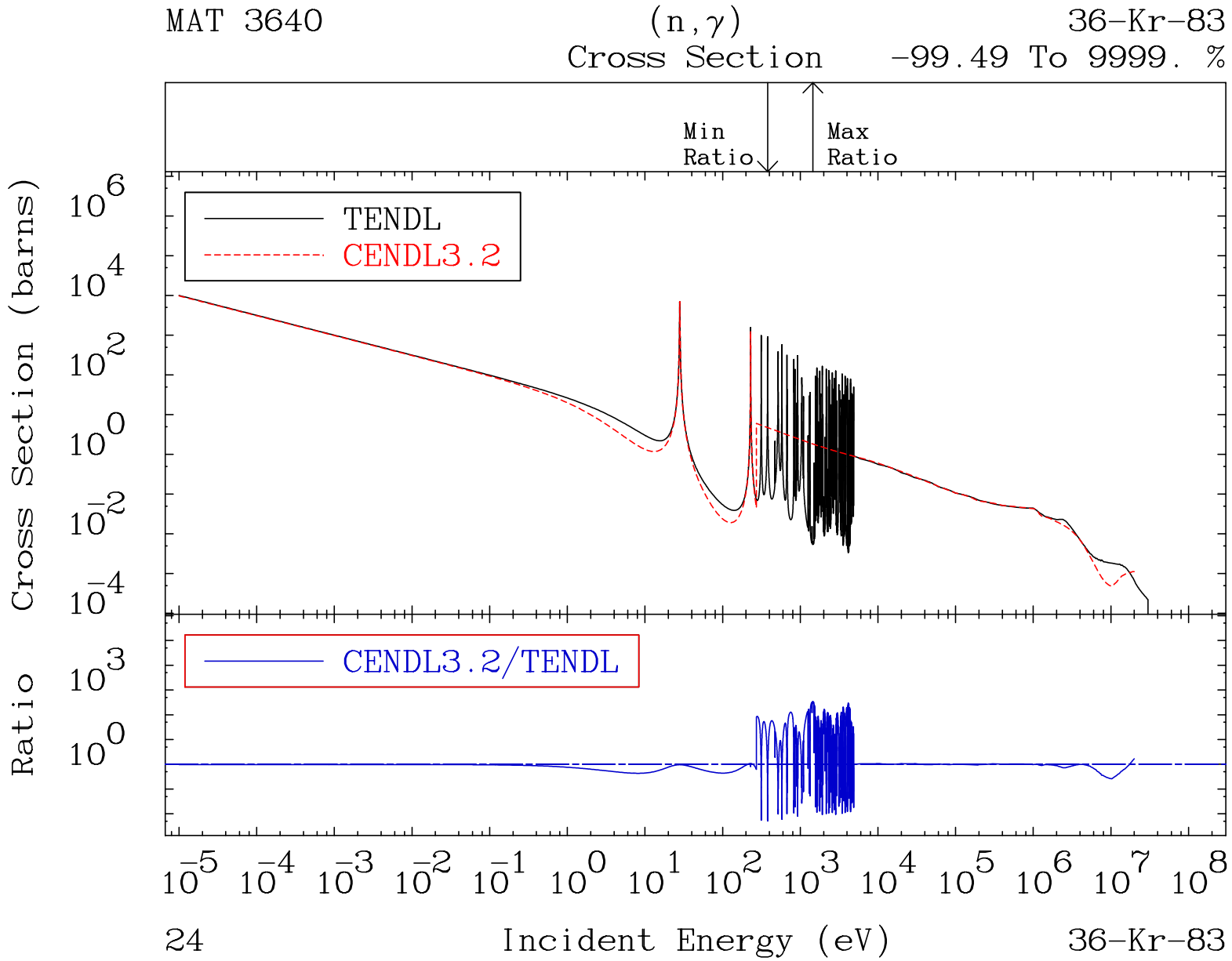

MAT 3640
MT= 62 (n,n') Level
36-Kr-83
Cross Section -100.0 To 668.7 %
Min Ratio
Max Ratio
TENDL Threshold 1.1846 MeV
CENDL3.2 Threshold 1.2368 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
8
4
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
19
Incident Energy (eV)
36-Kr-83

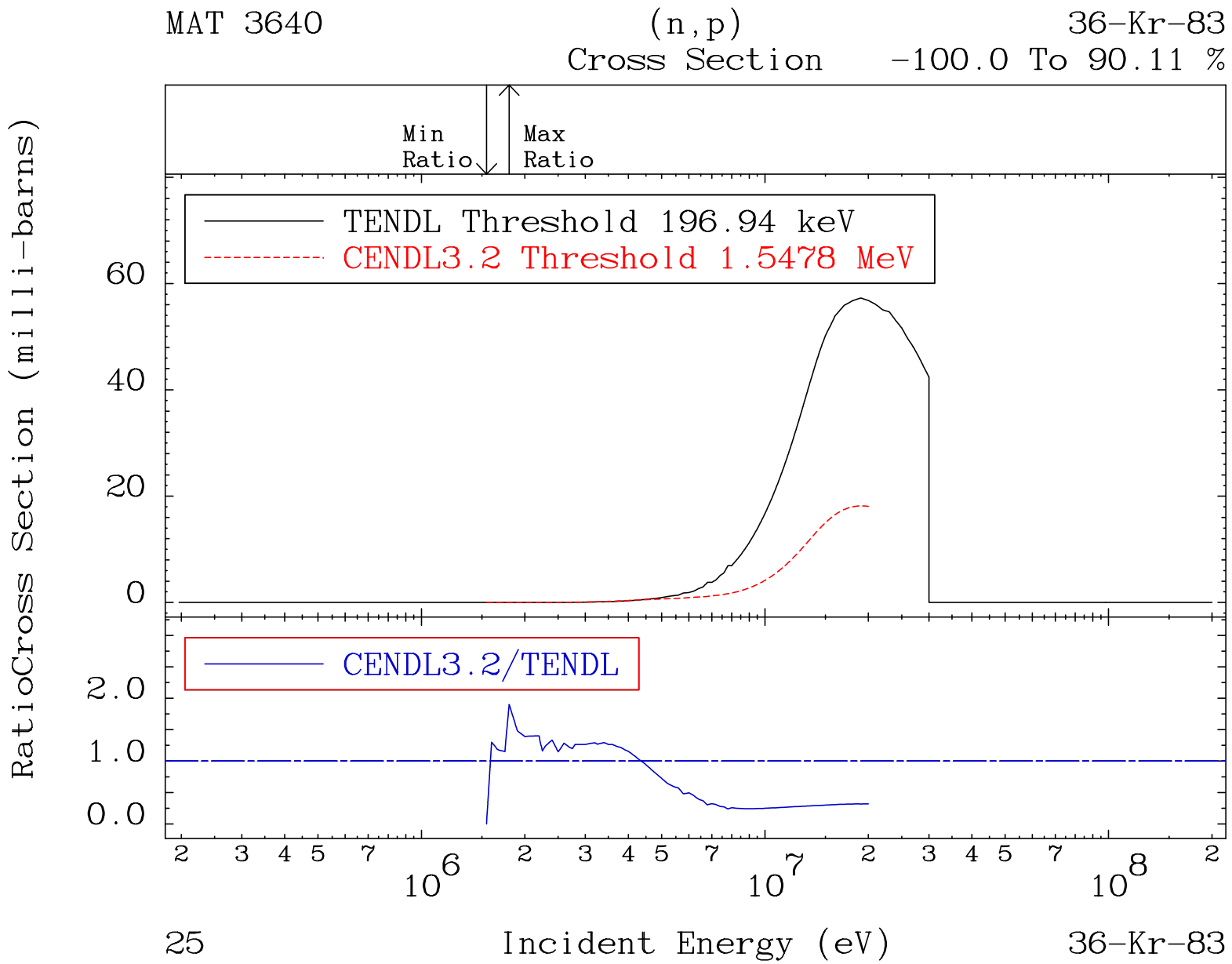

MAT 3640
MT= 63 (n,n') Level
36-Kr-83
Cross Section -100.0 To 1659. %
Min Ratio
Max Ratio
TENDL Threshold 1.2288 MeV
CENDL3.2 Threshold 1.2934 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
20
36-Kr-83

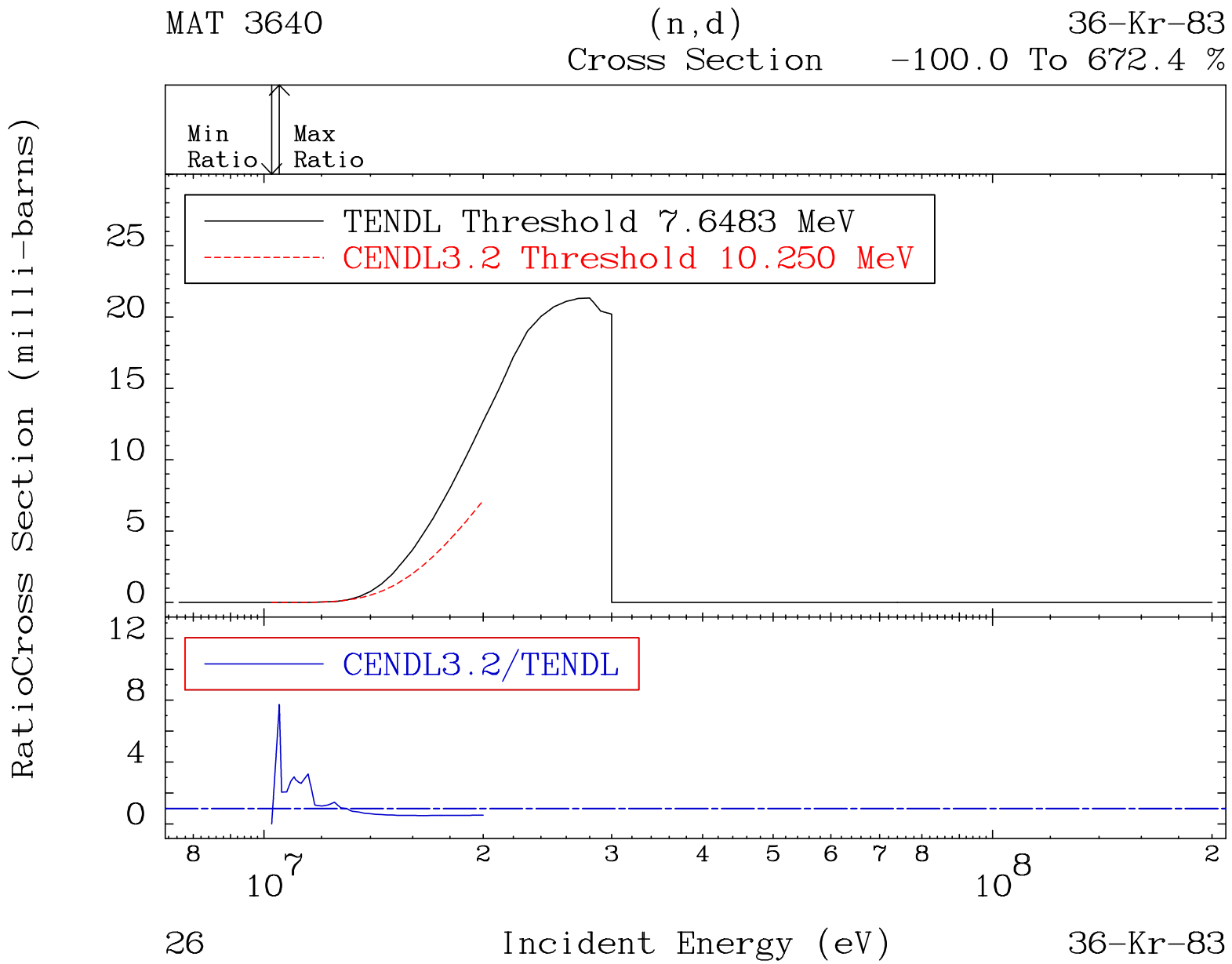

MAT 3640
MT= 64 (n,n') Level
36-Kr-83
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.2367 MeV
CENDL3.2 Threshold 1.5353 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.2
0.8
0.4
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
21
Incident Energy (eV)
36-Kr-83

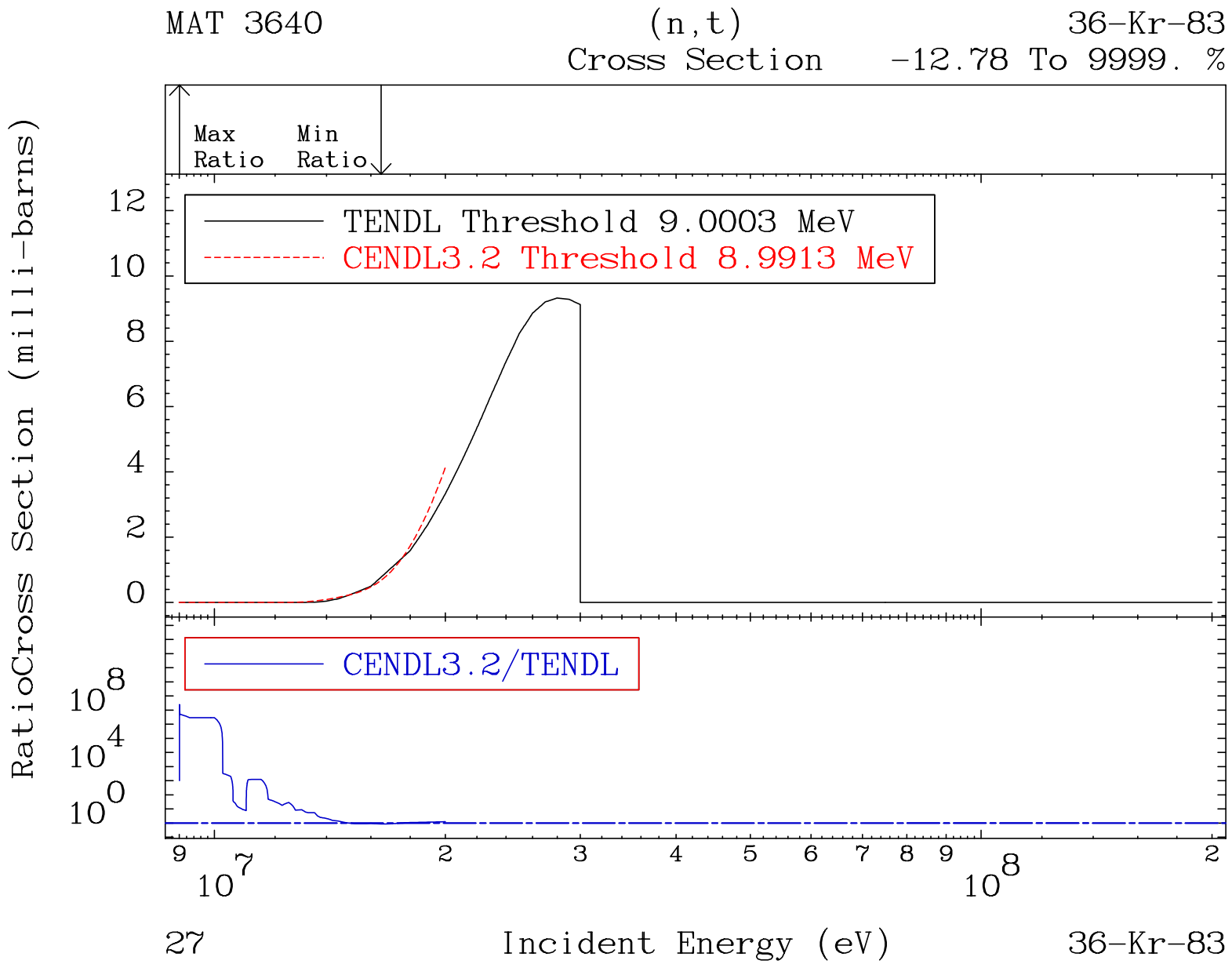

MAT 3640
MT= 65 (n,n') Level
36-Kr-83
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.2934 MeV
CENDL3.2 Threshold 1.5478 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
6
4
2
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
22
Incident Energy (eV)
36-Kr-83

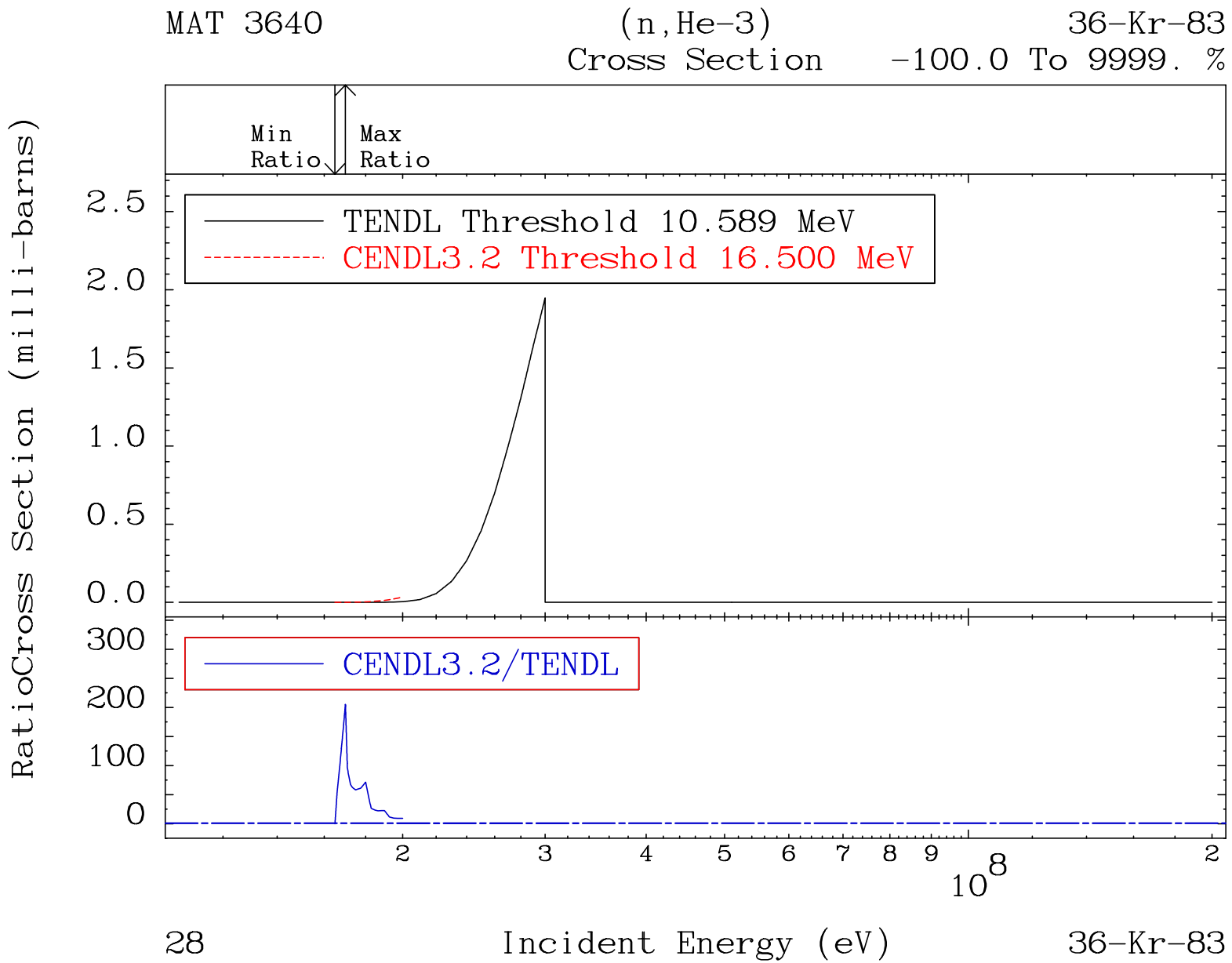

MAT 3640
(n,n') Continuum
Cross Section
36-Kr-83
-54.96 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.2934 MeV
CENDL3.2 Threshold 1.5478 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
CENDL3.2/TENDL
Ratio
10^2
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
36-Kr-83

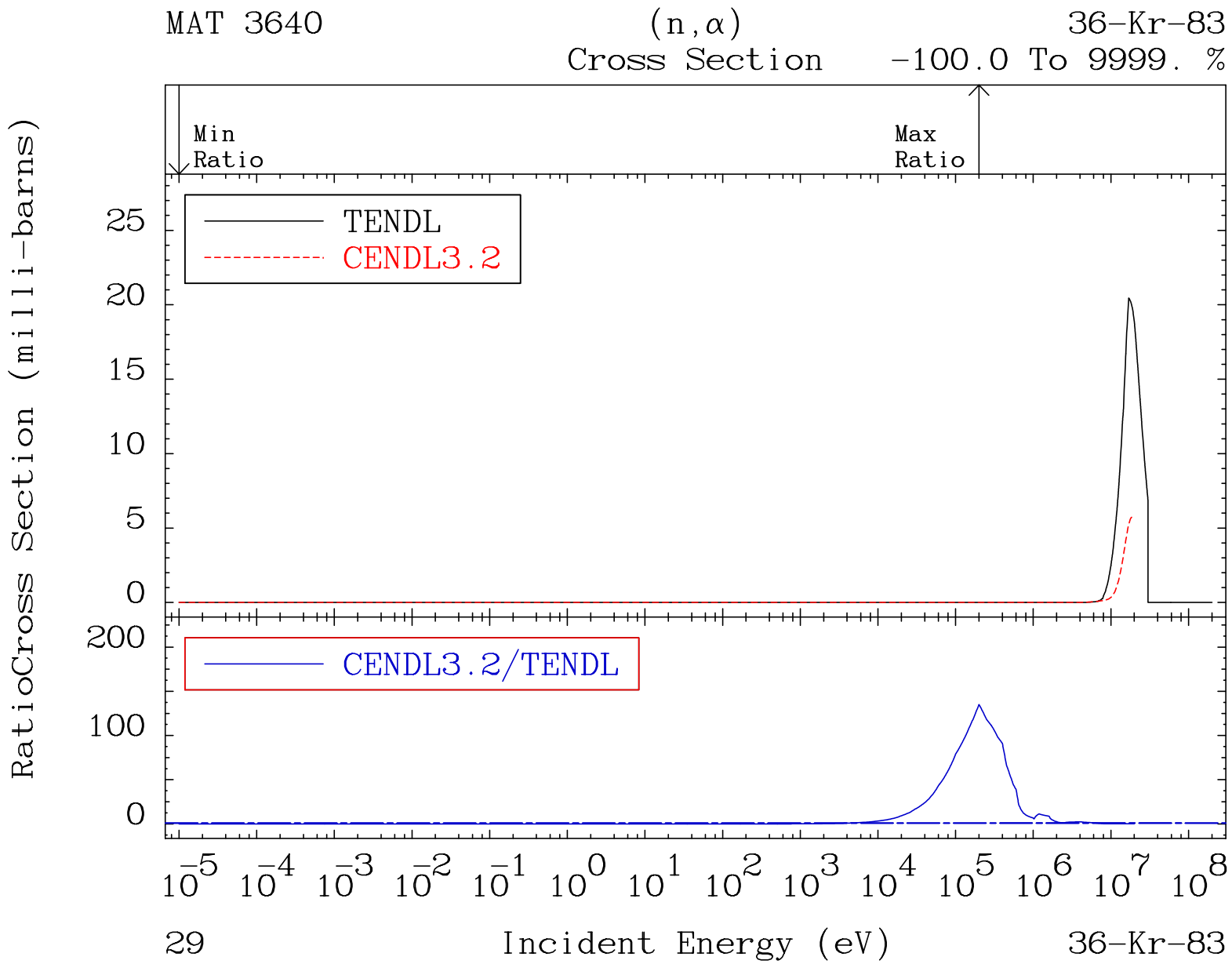

MAT 3640
(n,γ)
Cross Section
36-Kr-83
-99.49 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
24
36-Kr-83

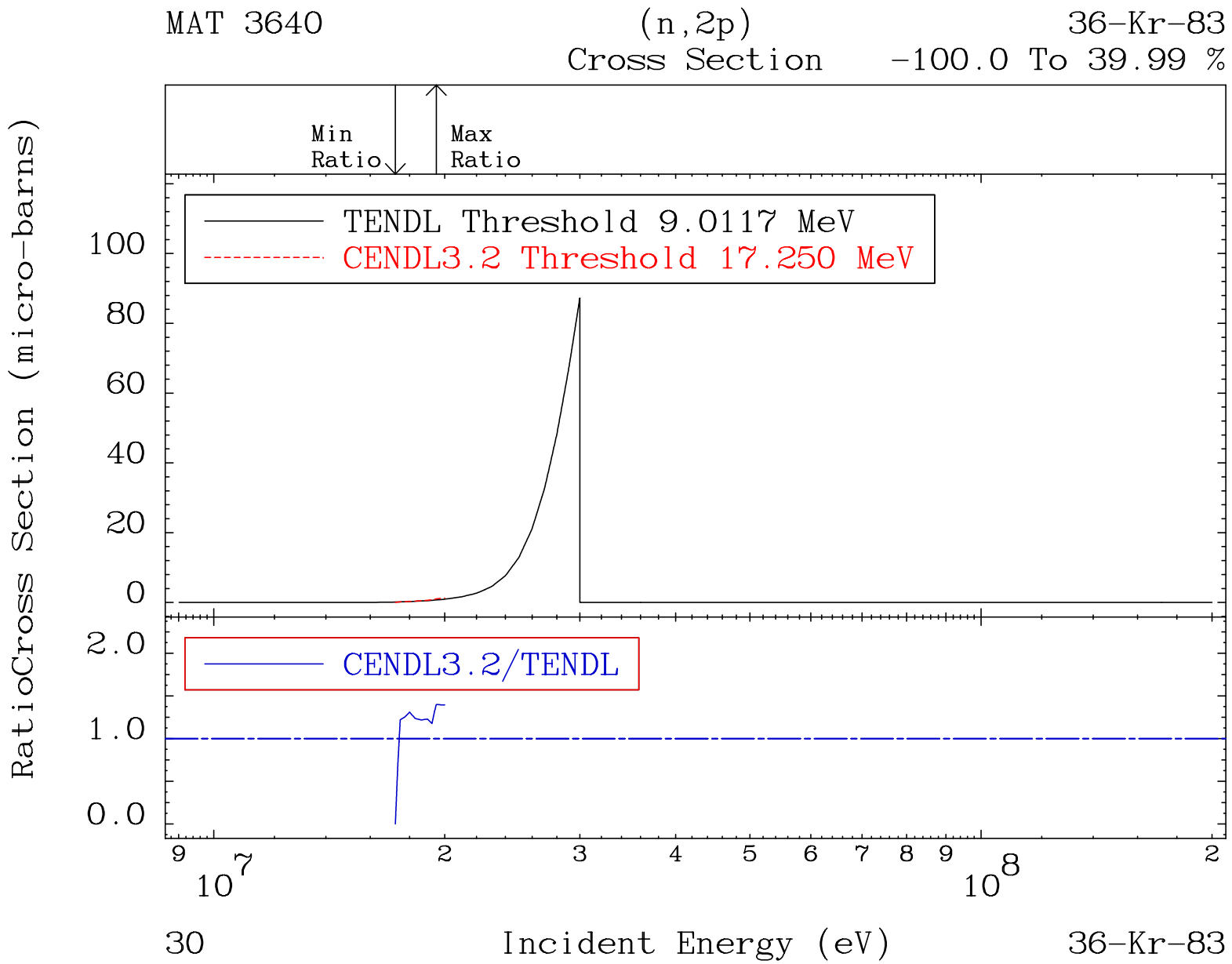

MAT 3640
(n,p)
36-Kr-83
Cross Section
-100.0 To 90.11 %
Min Ratio
Max Ratio
TENDL Threshold 196.94 keV
CENDL3.2 Threshold 1.5478 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
60
40
20
0
2.0
1.0
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
25
Incident Energy (eV)
36-Kr-83

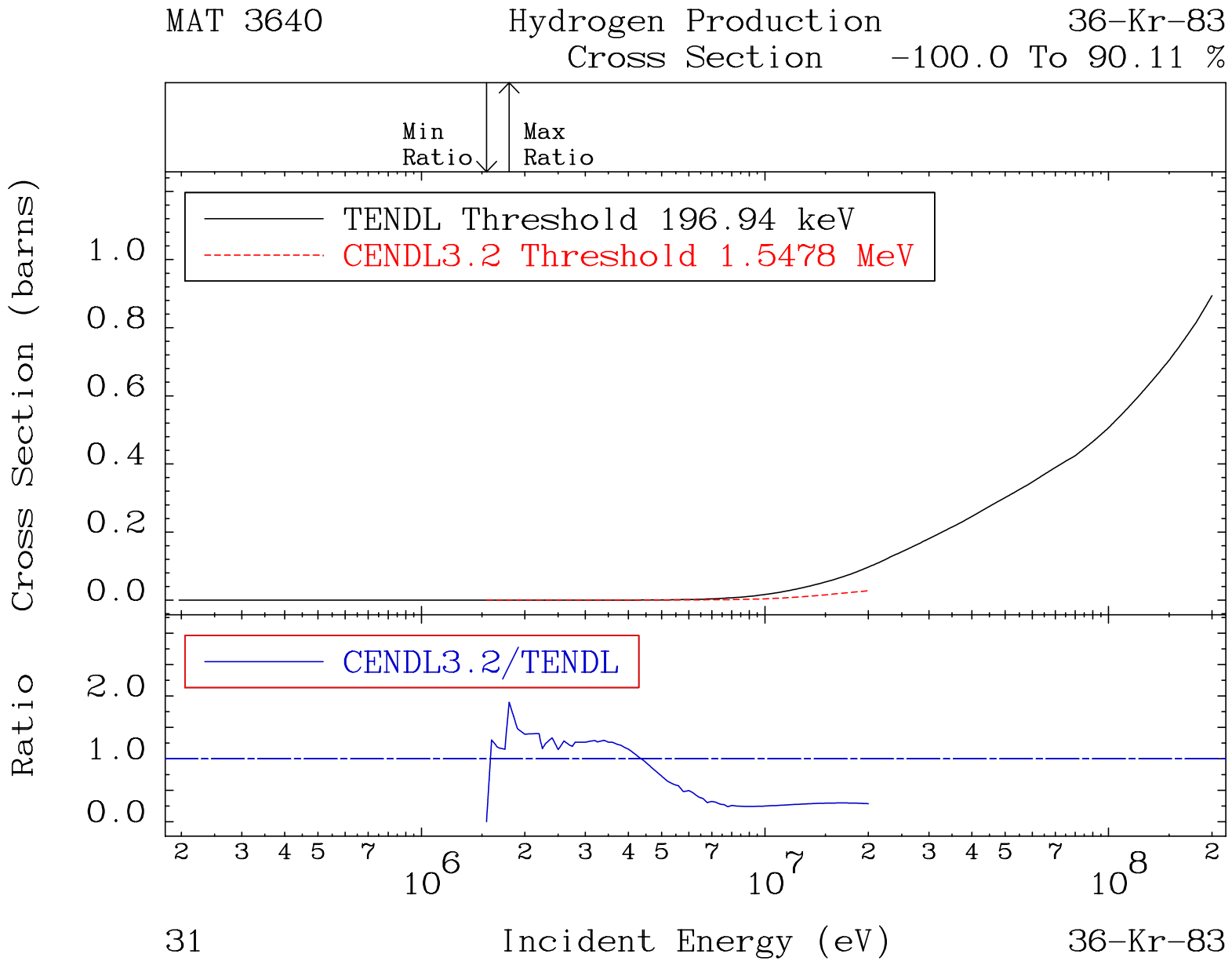

MAT 3640
(n,d)
36-Kr-83
Cross Section
-100.0 To 672.4 %
Min Ratio
Max Ratio
TENDL Threshold 7.6483 MeV
CENDL3.2 Threshold 10.250 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
12
8
4
0
8
10^7
2
3
4
5
6
7
8
10^8
2
26
Incident Energy (eV)
36-Kr-83

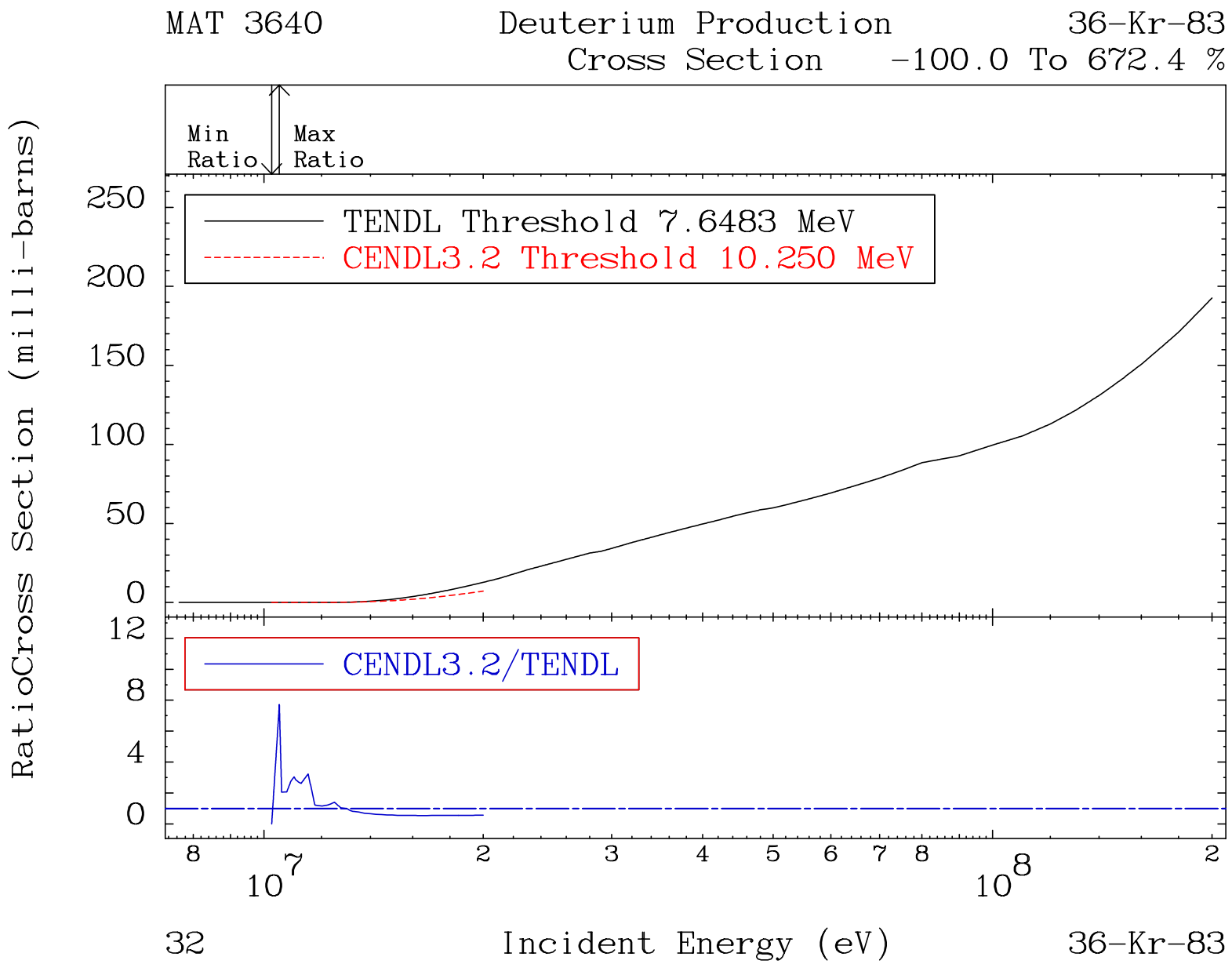

MAT 3640
(n,t)
36-Kr-83
Cross Section
-12.78 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.0003 MeV
CENDL3.2 Threshold 8.9913 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
27
36-Kr-83

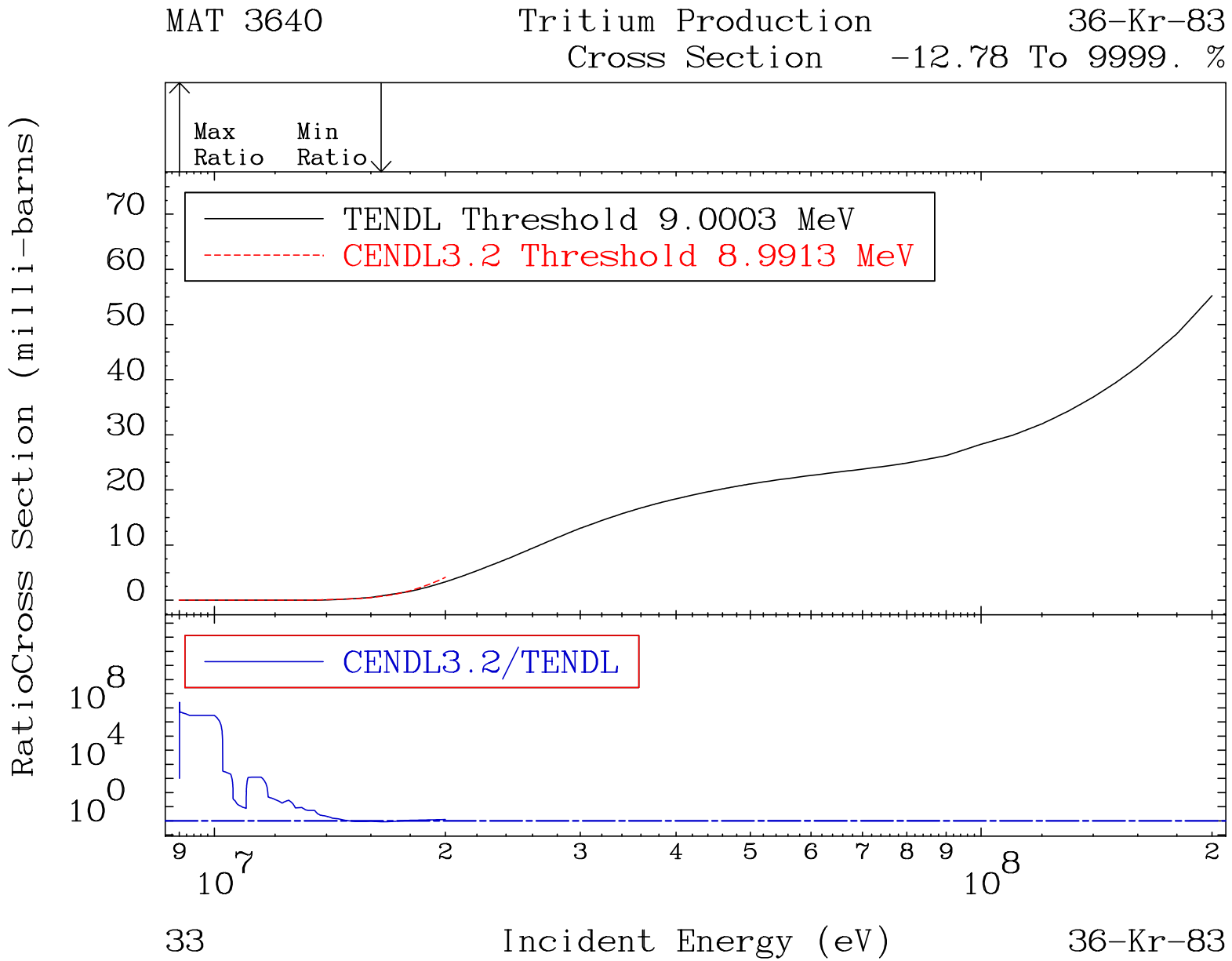

MAT 3640
(n,He-3)
36-Kr-83
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 10.589 MeV
CENDL3.2 Threshold 16.500 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
300
200
100
0
2
3
4
5
6
7
8
9
10^8
2
28
Incident Energy (eV)
36-Kr-83

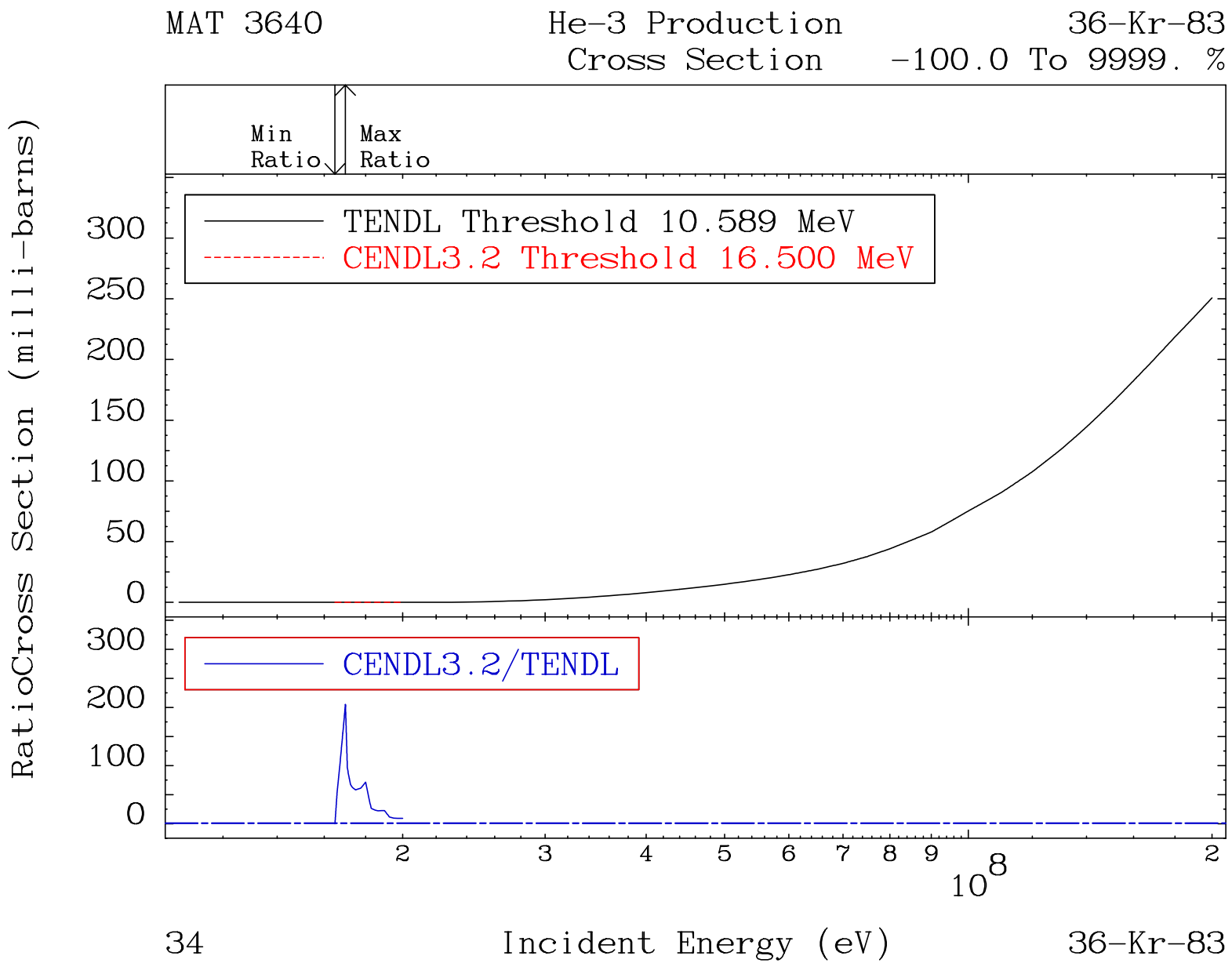

MAT 3640
(n,α)
Cross Section
36-Kr-83
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
200
100
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
29
Incident Energy (eV)
36-Kr-83

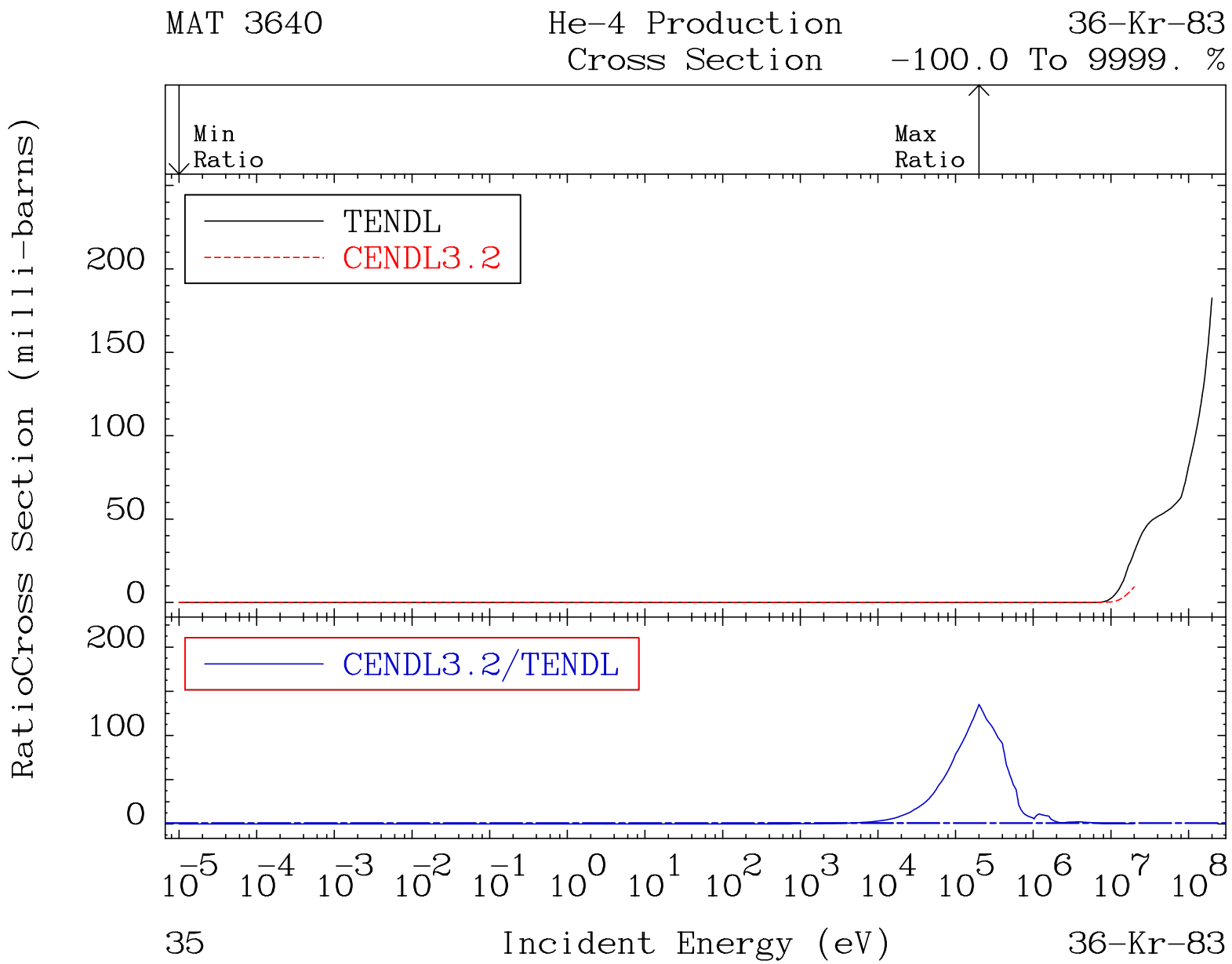

MAT 3640
(n,2p)
36-Kr-83
Cross Section
-100.0 To 39.99 %
Min Ratio
Max Ratio
TENDL Threshold 9.0117 MeV
CENDL3.2 Threshold 17.250 MeV
CENDL3.2/TENDL
RatioCross Section (micro-barns)
100
80
60
40
20
0
2.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
30
Incident Energy (eV)
36-Kr-83

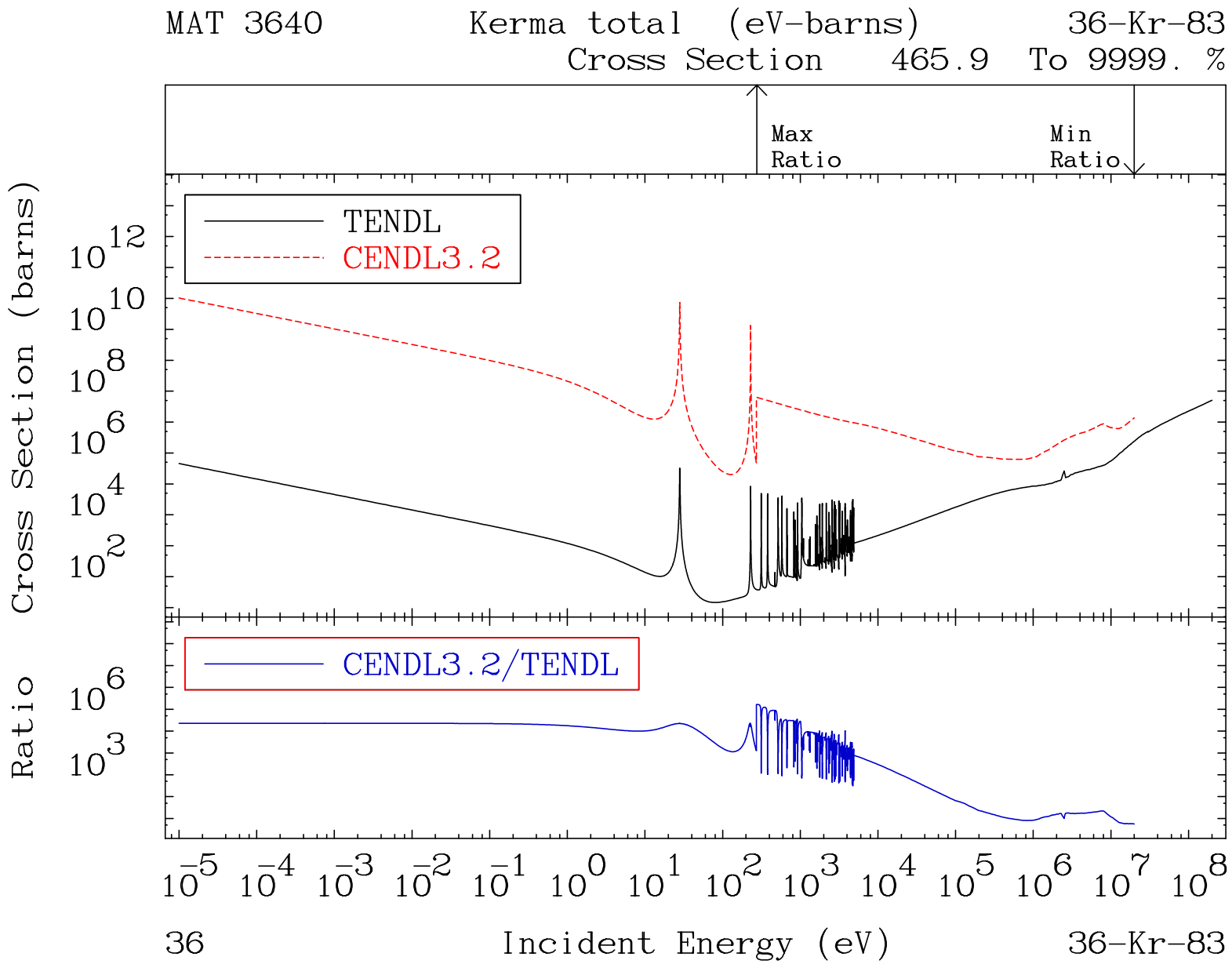

MAT 3640
Hydrogen Production
36-Kr-83
Cross Section
-100.0 To 90.11 %
Min Ratio
Max Ratio
TENDL Threshold 196.94 keV
CENDL3.2 Threshold 1.5478 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
CENDL3.2/TENDL
Ratio
2.0
1.0
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
31
Incident Energy (eV)
36-Kr-83

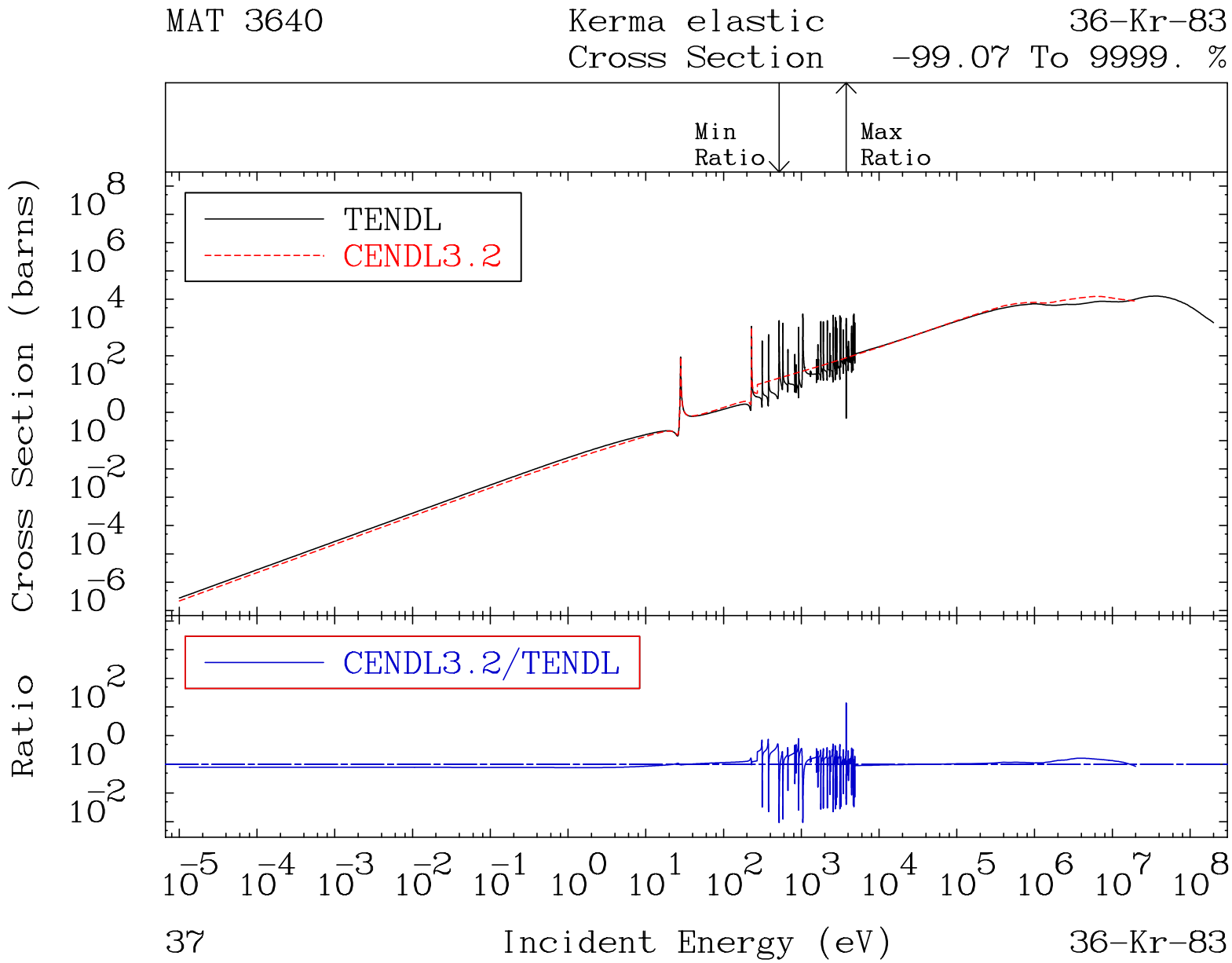

MAT 3640
Deuterium Production
36-Kr-83
Cross Section -100.0 To 672.4 %
Min Ratio
Max Ratio
TENDL Threshold 7.6483 MeV
CENDL3.2 Threshold 10.250 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
12
8
4
0
8
10^7
2
3
4
5
6
7
8
10^8
2
32
Incident Energy (eV)
36-Kr-83

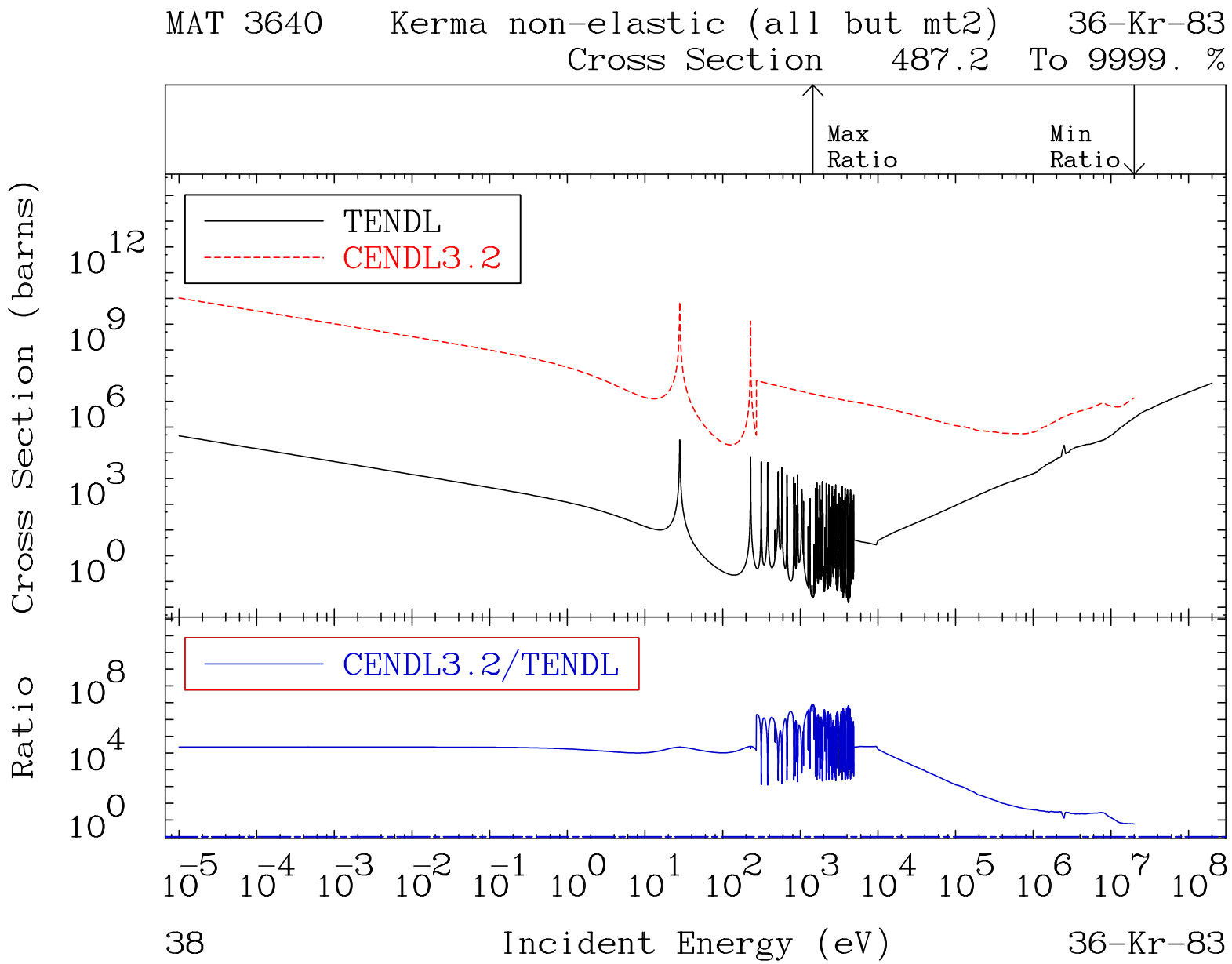

MAT 3640
Tritium Production
36-Kr-83
Cross Section
-12.78 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.0003 MeV
CENDL3.2 Threshold 8.9913 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
10^8
10^4
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
33
Incident Energy (eV)
36-Kr-83

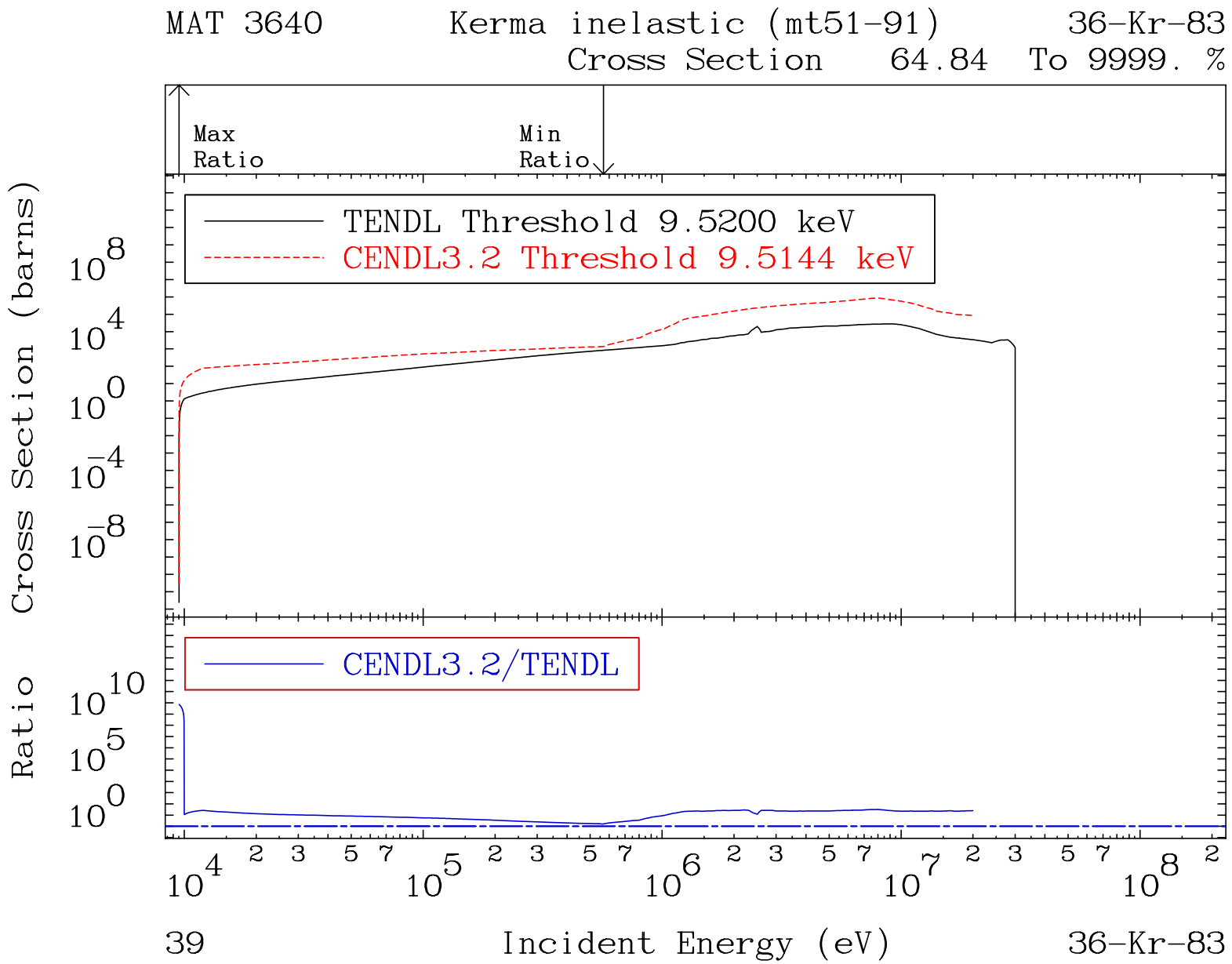

MAT 3640
He-3 Production
Cross Section
36-Kr-83
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 10.589 MeV
CENDL3.2 Threshold 16.500 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
2
3
4
5
6
7
8
9
10^8
34
Incident Energy (eV)
36-Kr-83

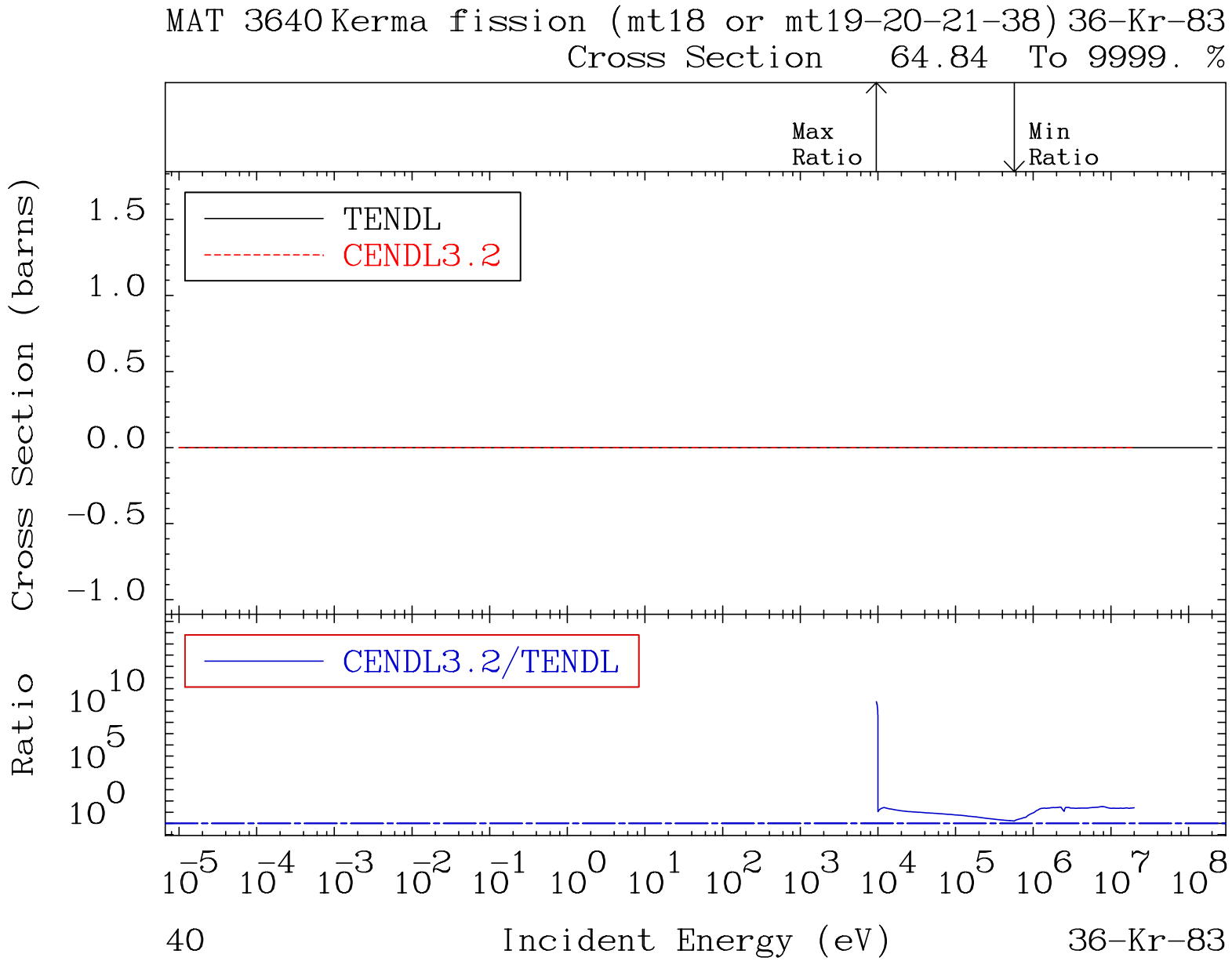

MAT 3640
He-4 Production
Cross Section
36-Kr-83
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
200
100
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
35
Incident Energy (eV)
36-Kr-83

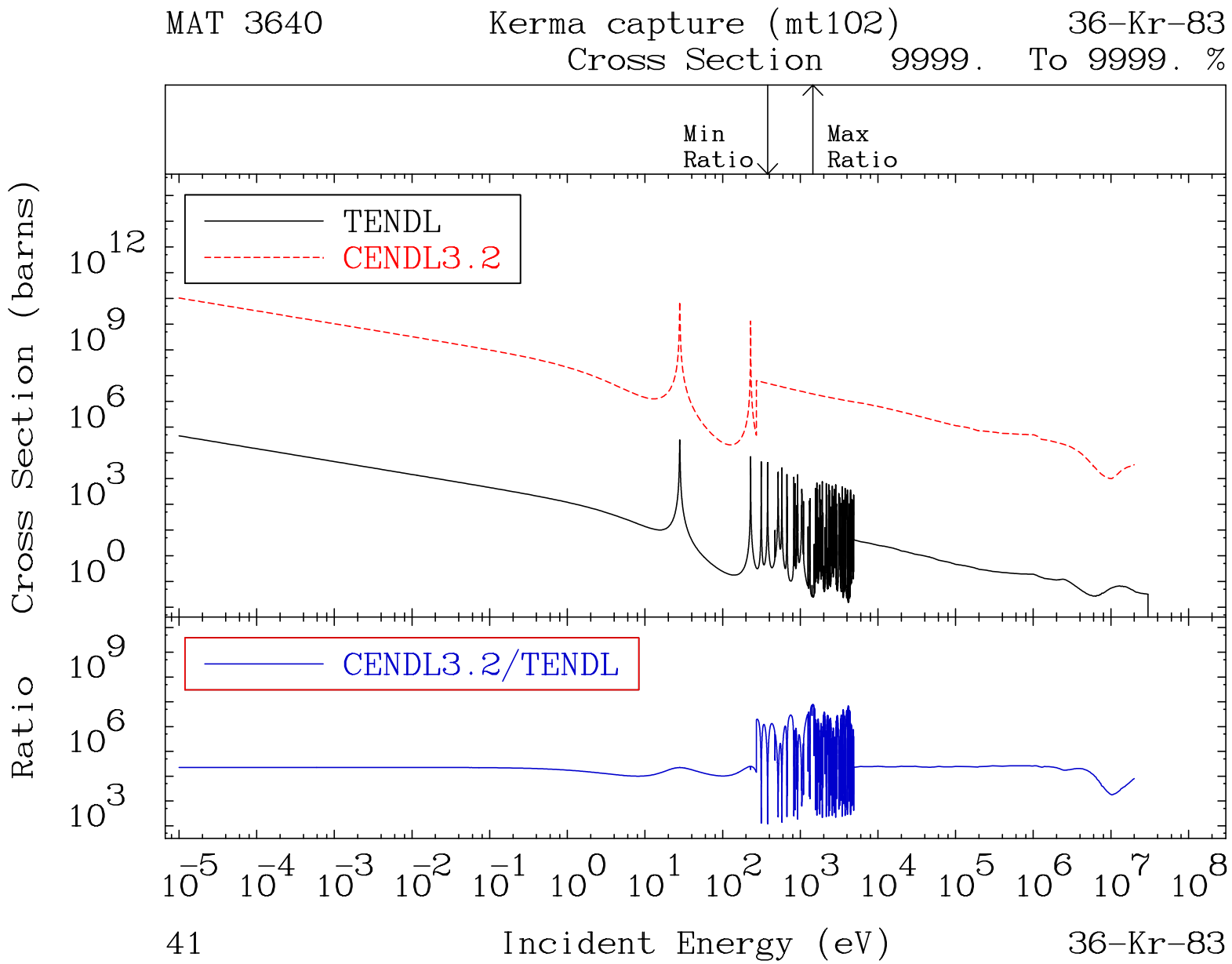

MAT 3640
Kerma total (eV-barns)
36-Kr-83
Cross Section 465.9 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
36
36-Kr-83

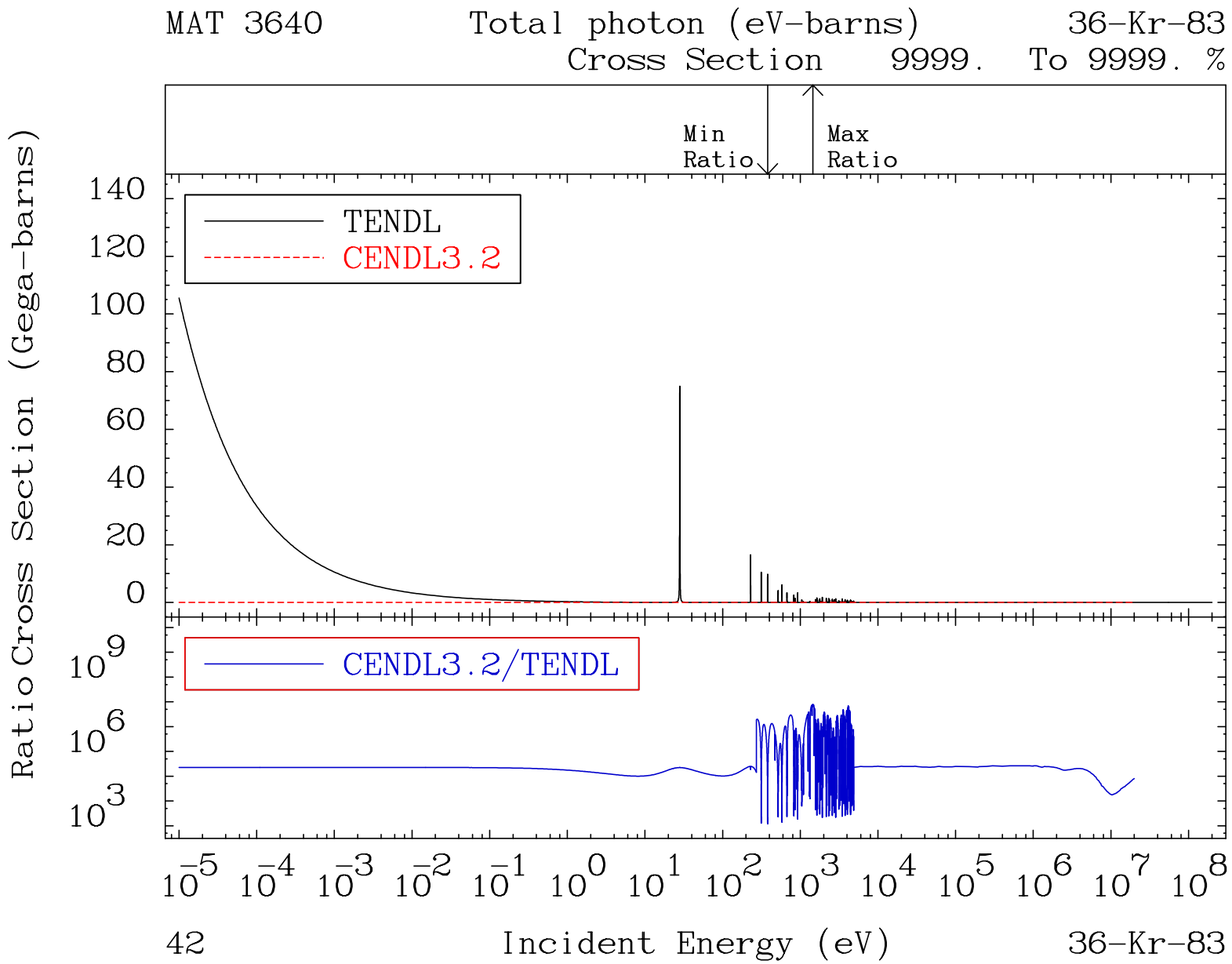

MAT 3640
Kerma elastic
Cross Section
36-Kr-83
-99.07 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
37
36-Kr-83

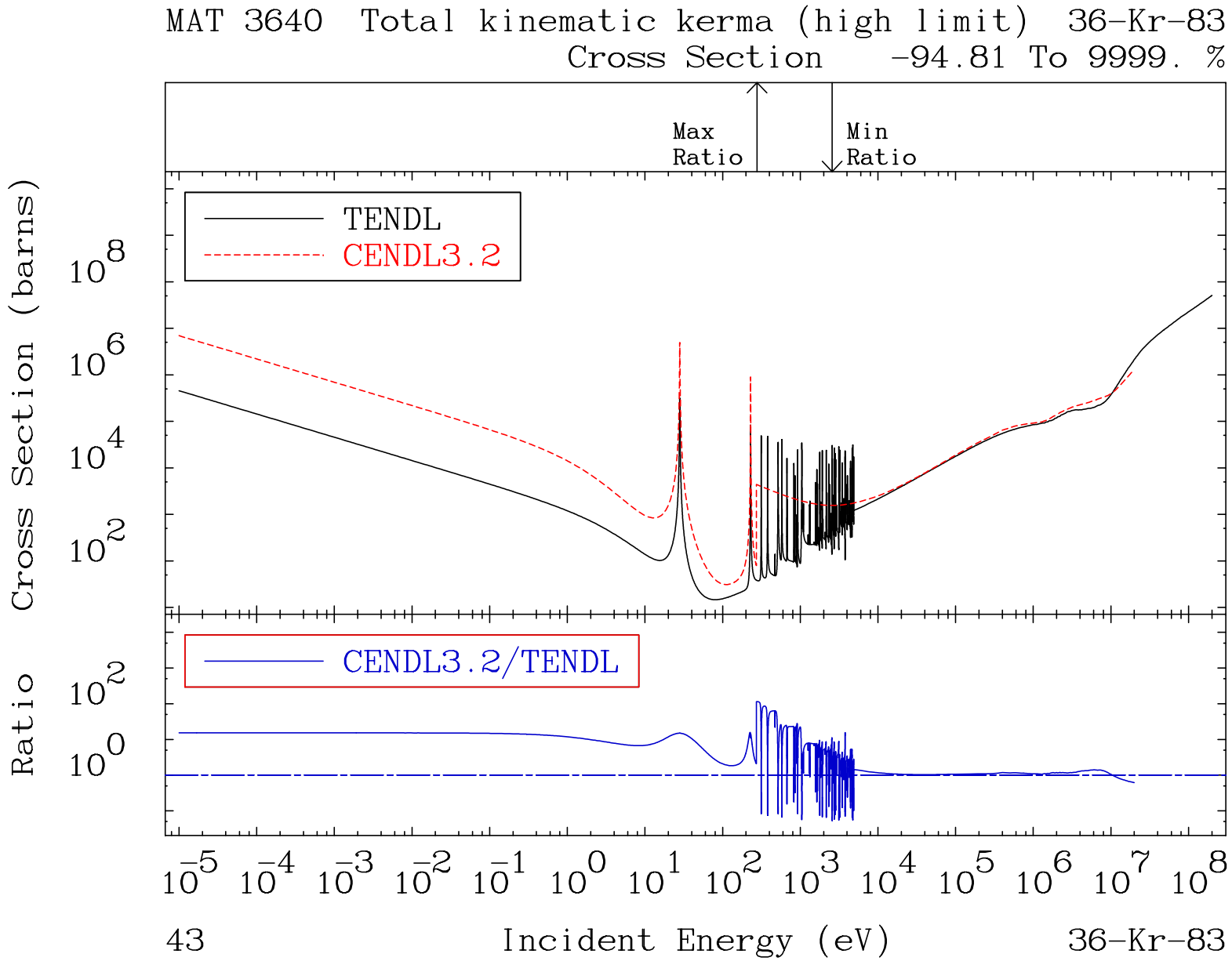

MAT 3640 Kerma non-elastic (all but mt2) 36-Kr-83
Cross Section 487.2 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
38
36-Kr-83

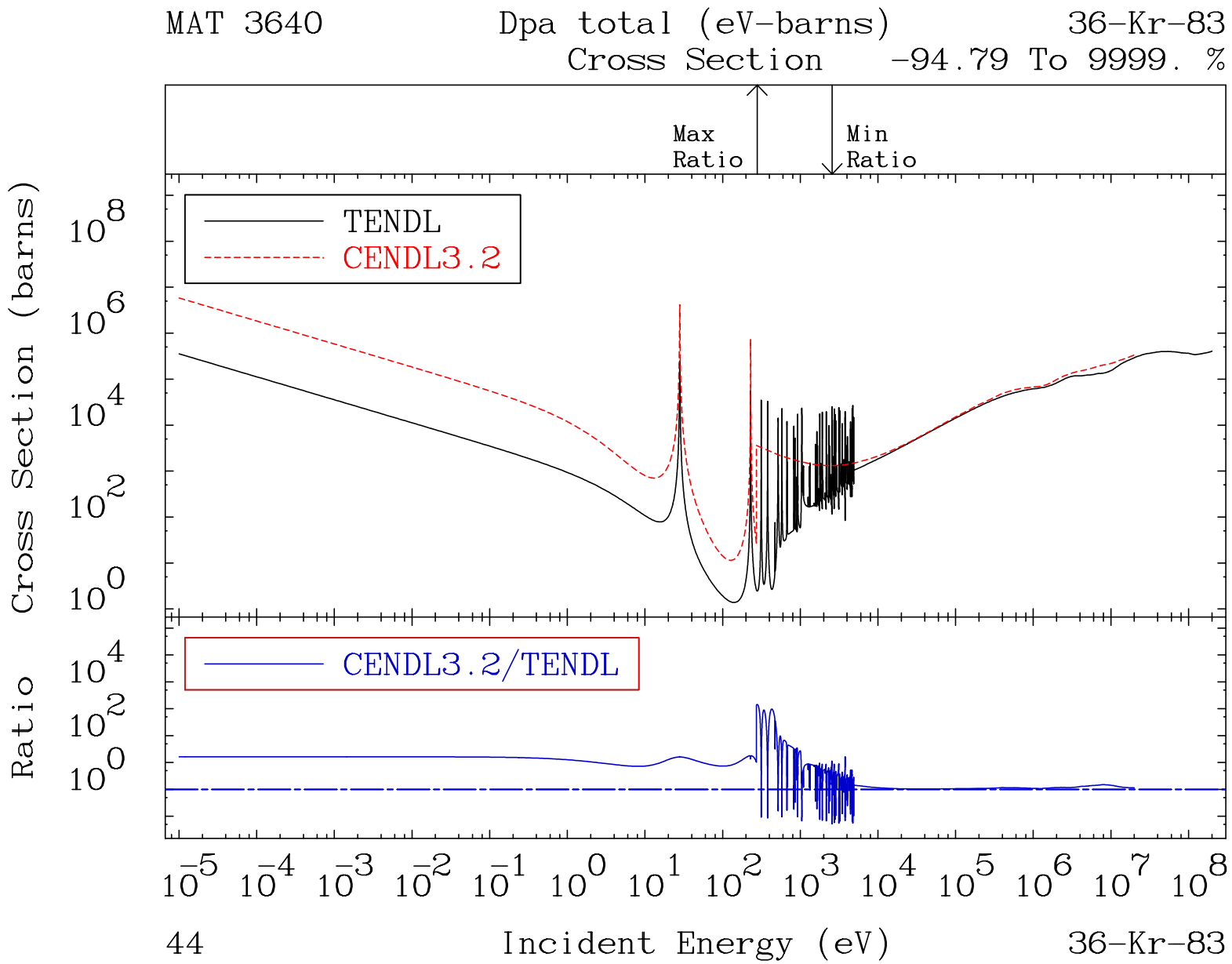

MAT 3640
Kerma inelastic (mt51-91)
36-Kr-83
Cross Section 64.84 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.5200 keV
CENDL3.2 Threshold 9.5144 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
39
36-Kr-83

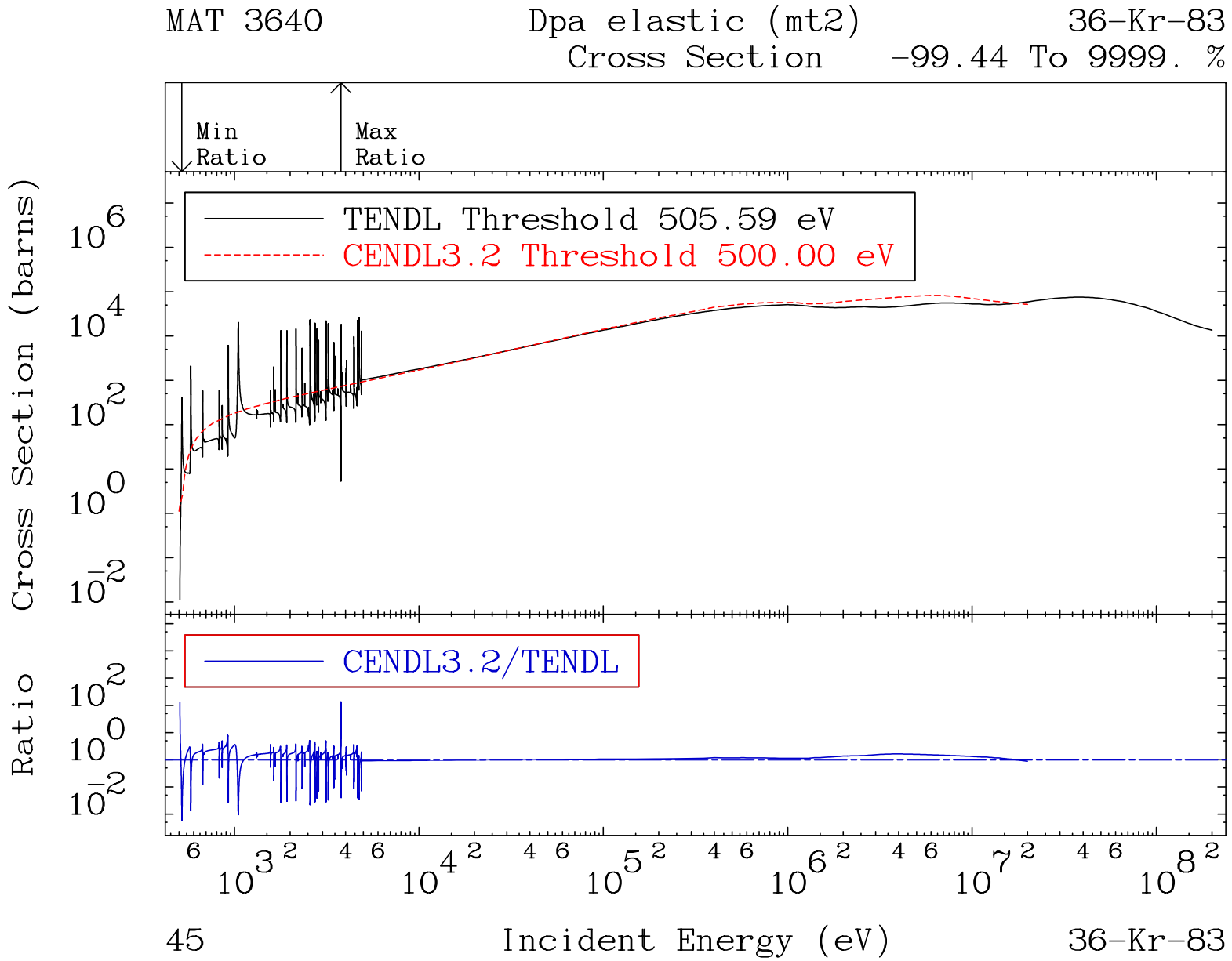

MAT 3640 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-83
Cross Section 64.84 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{10}
10^{5}
10^{0}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
40
Incident Energy (eV)
36-Kr-83

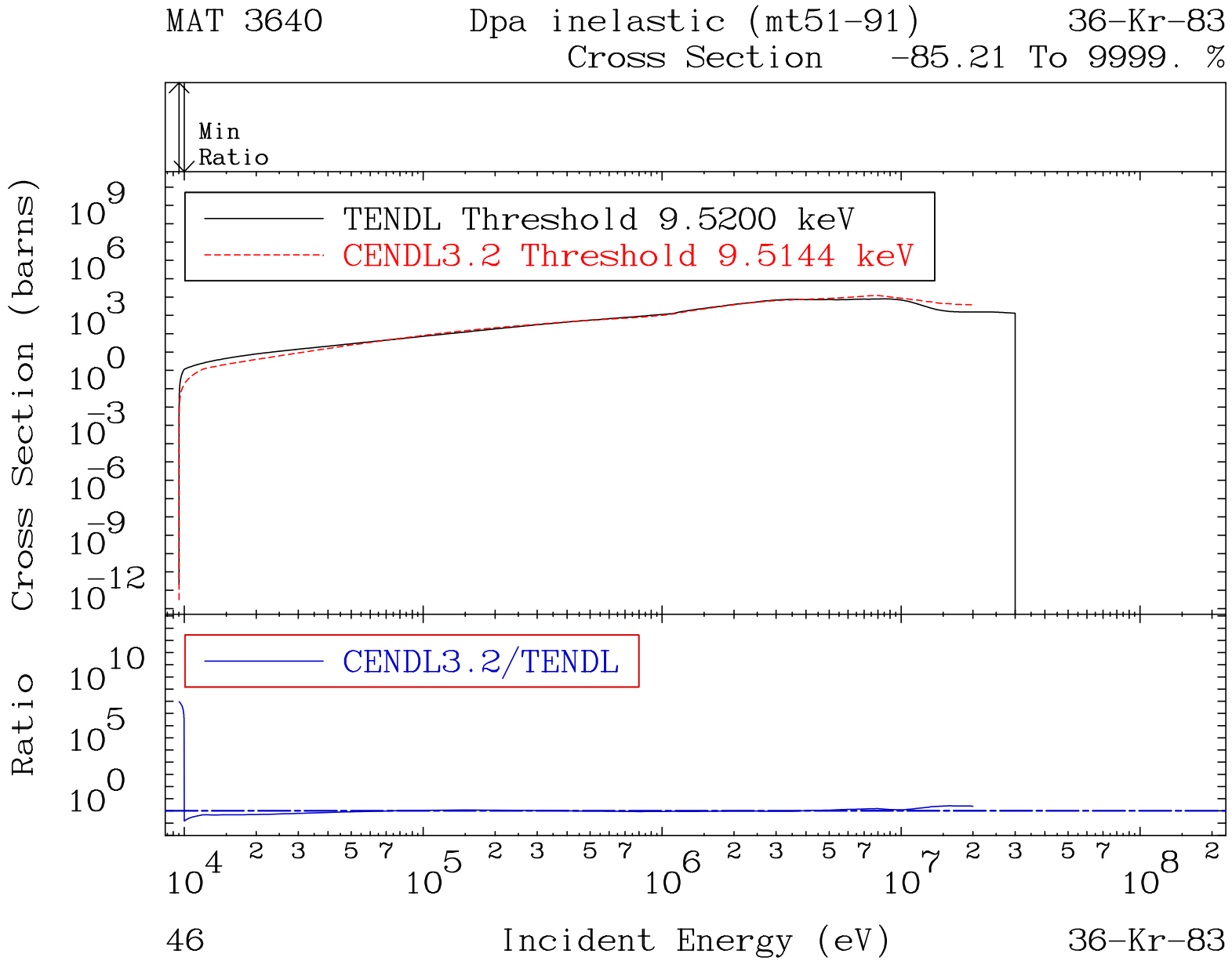

MAT 3640
Kerma capture (mt102)
36-Kr-83
Cross Section 9999. To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
41
36-Kr-83

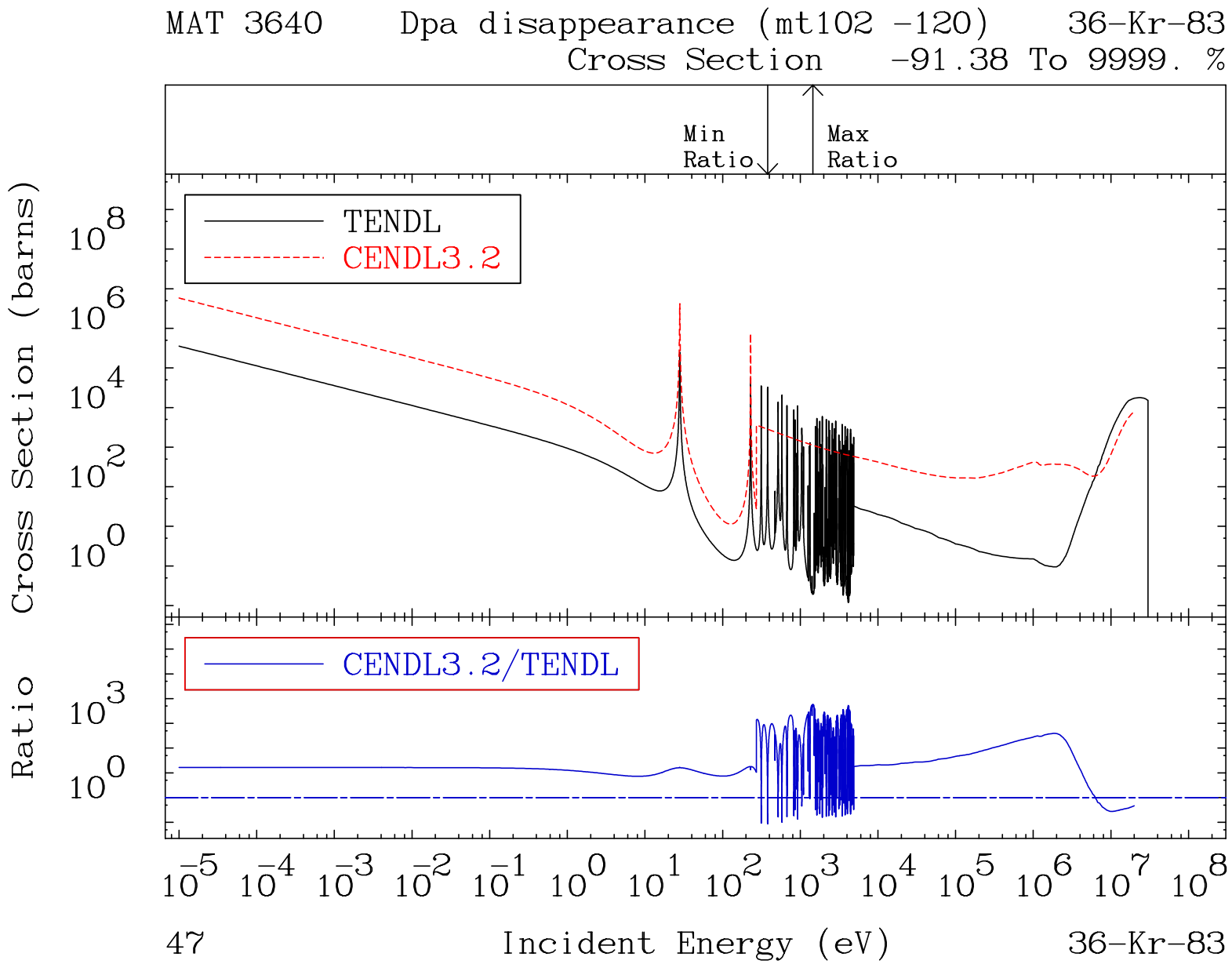

MAT 3640
Total photon (eV-barns)
36-Kr-83
Cross Section 9999. To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Ratio Cross Section (Giga-barns)
140
120
100
80
60
40
20
0
10^9
10^6
10^3
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
42
Incident Energy (eV)
36-Kr-83

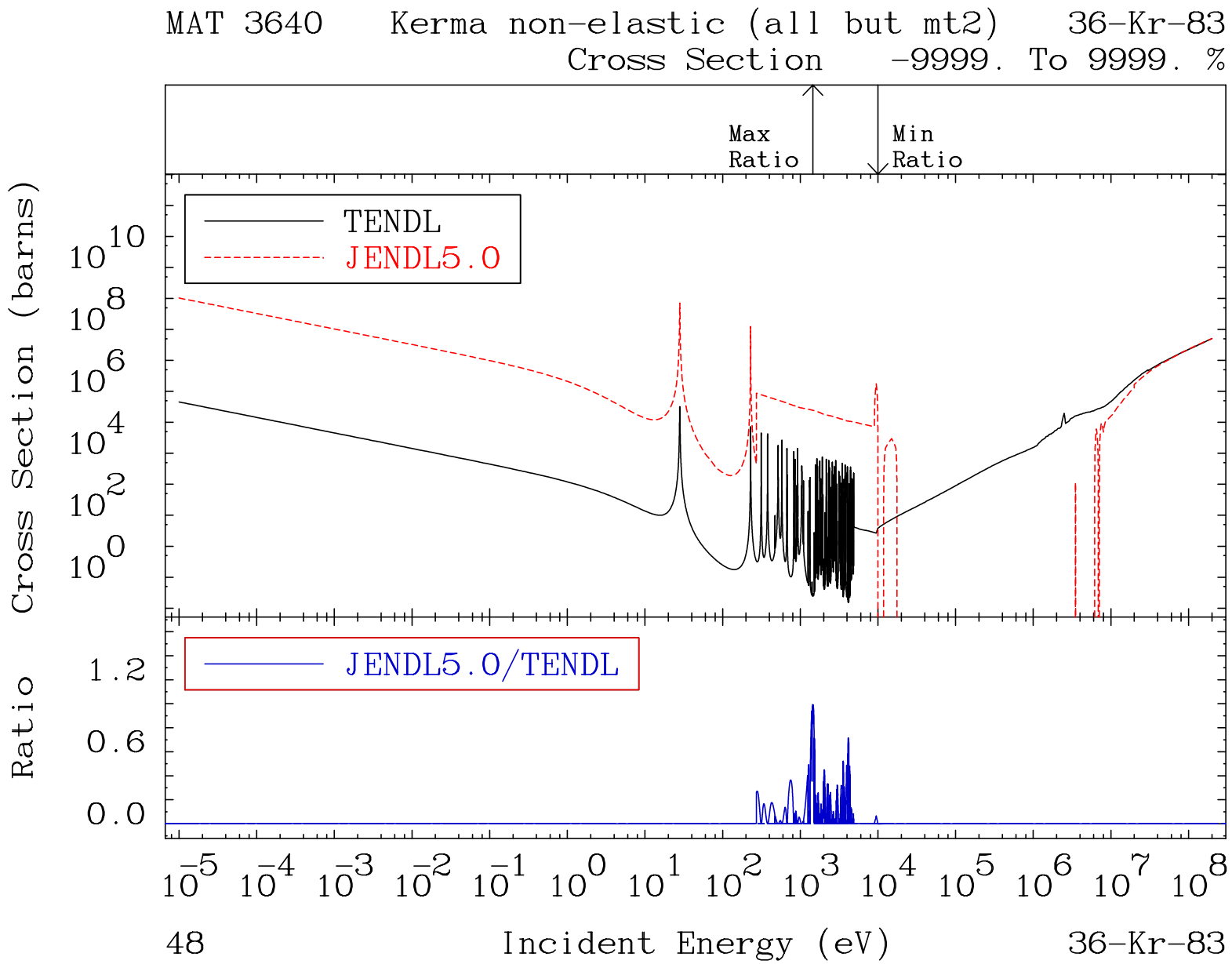

MAT 3640 Total kinematic kerma (high limit) 36-Kr-83
Cross Section -94.81 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
43
36-Kr-83

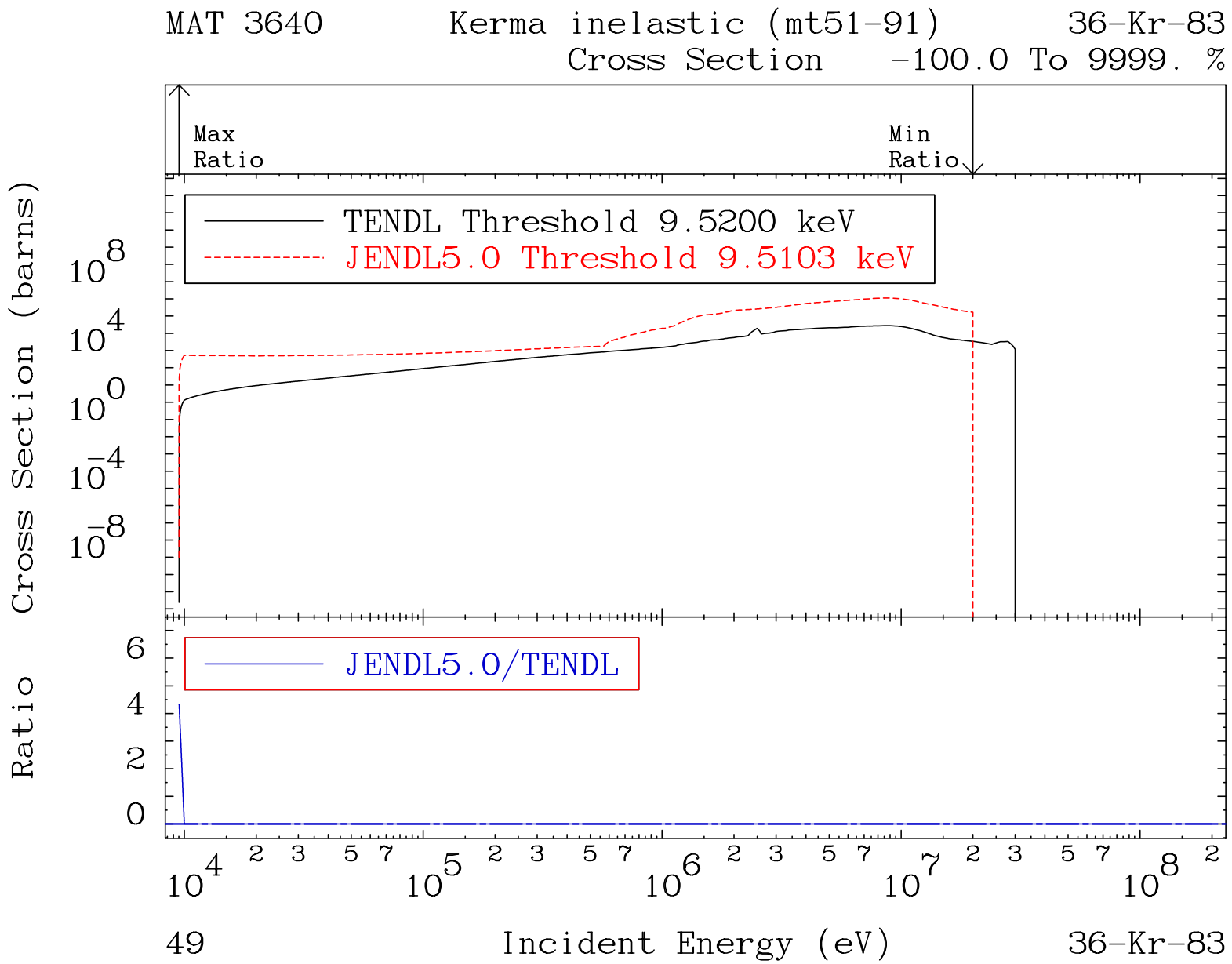

MAT 3640
Dpa total (eV-barns)
36-Kr-83
Cross Section -94.79 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
44
36-Kr-83

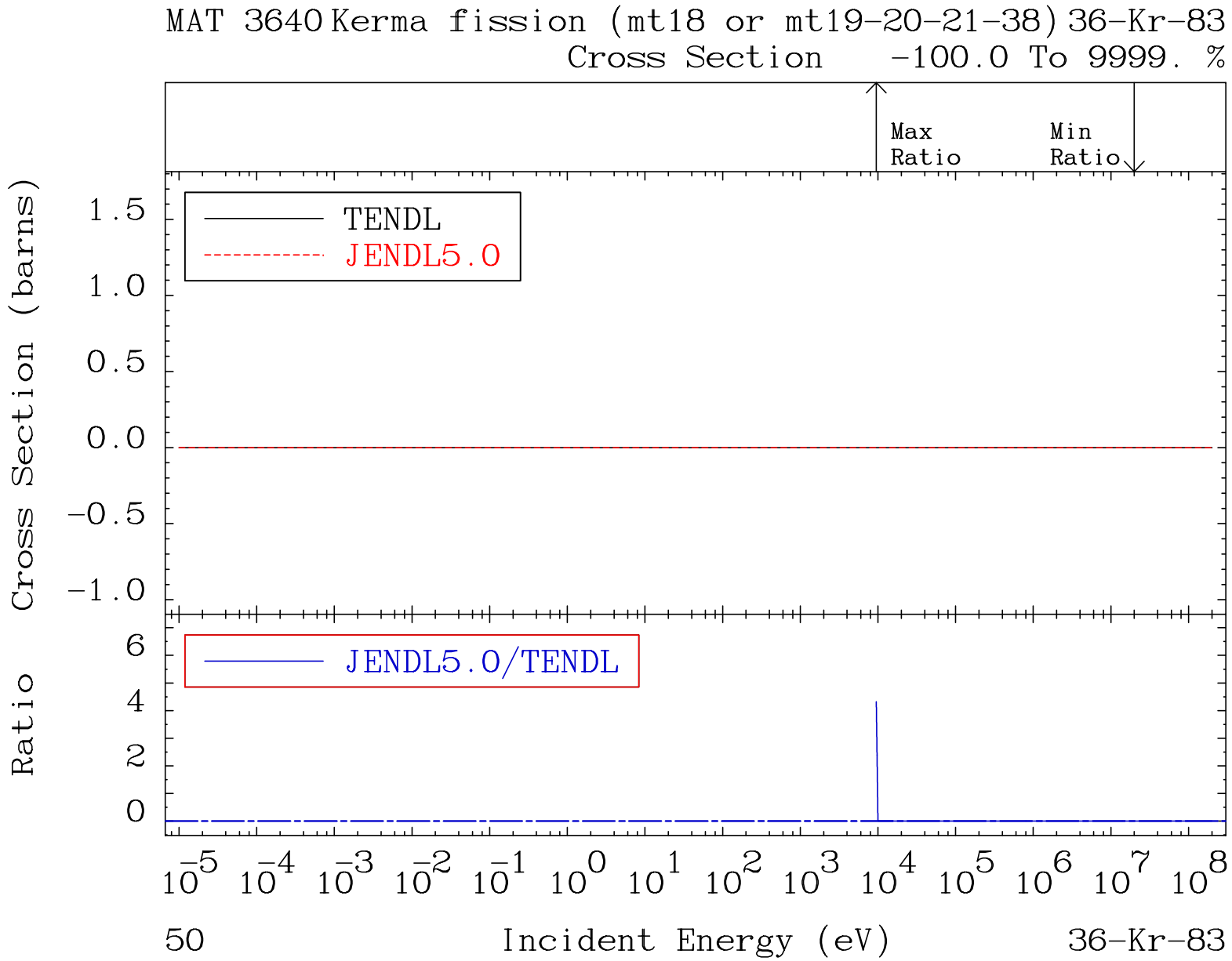

MAT 3640
Dpa elastic (mt2)
Cross Section
36-Kr-83
-99.44 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 505.59 eV
CENDL3.2 Threshold 500.00 eV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
45
36-Kr-83

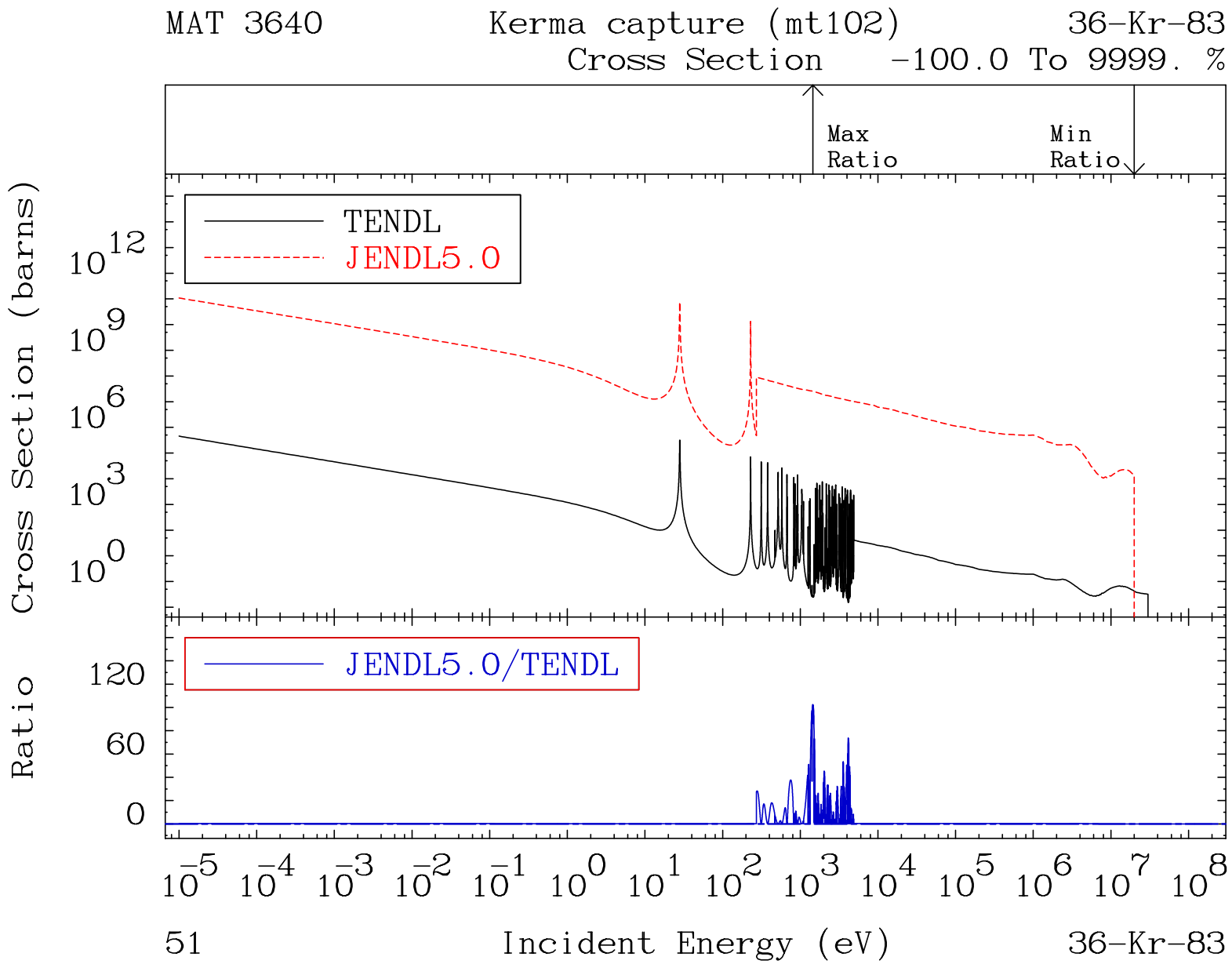

MAT 3640
Dpa inelastic (mt51-91)
36-Kr-83
Cross Section -85.21 To 9999. %
Min
Ratio
TENDL Threshold 9.5200 keV
CENDL3.2 Threshold 9.5144 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
36-Kr-83

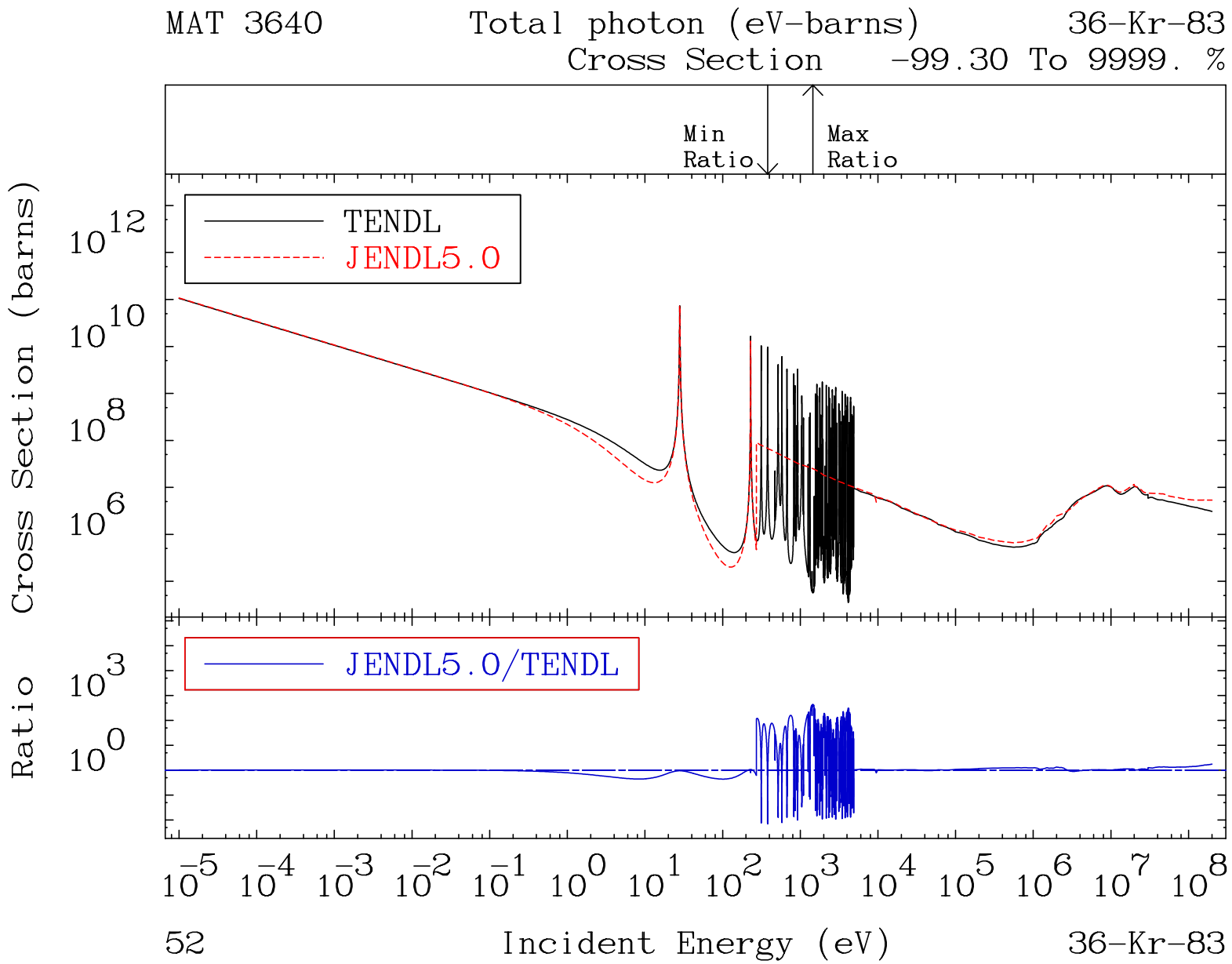

MAT 3640 Dpa disappearance (mt102 -120) 36-Kr-83
Cross Section -91.38 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47
36-Kr-83

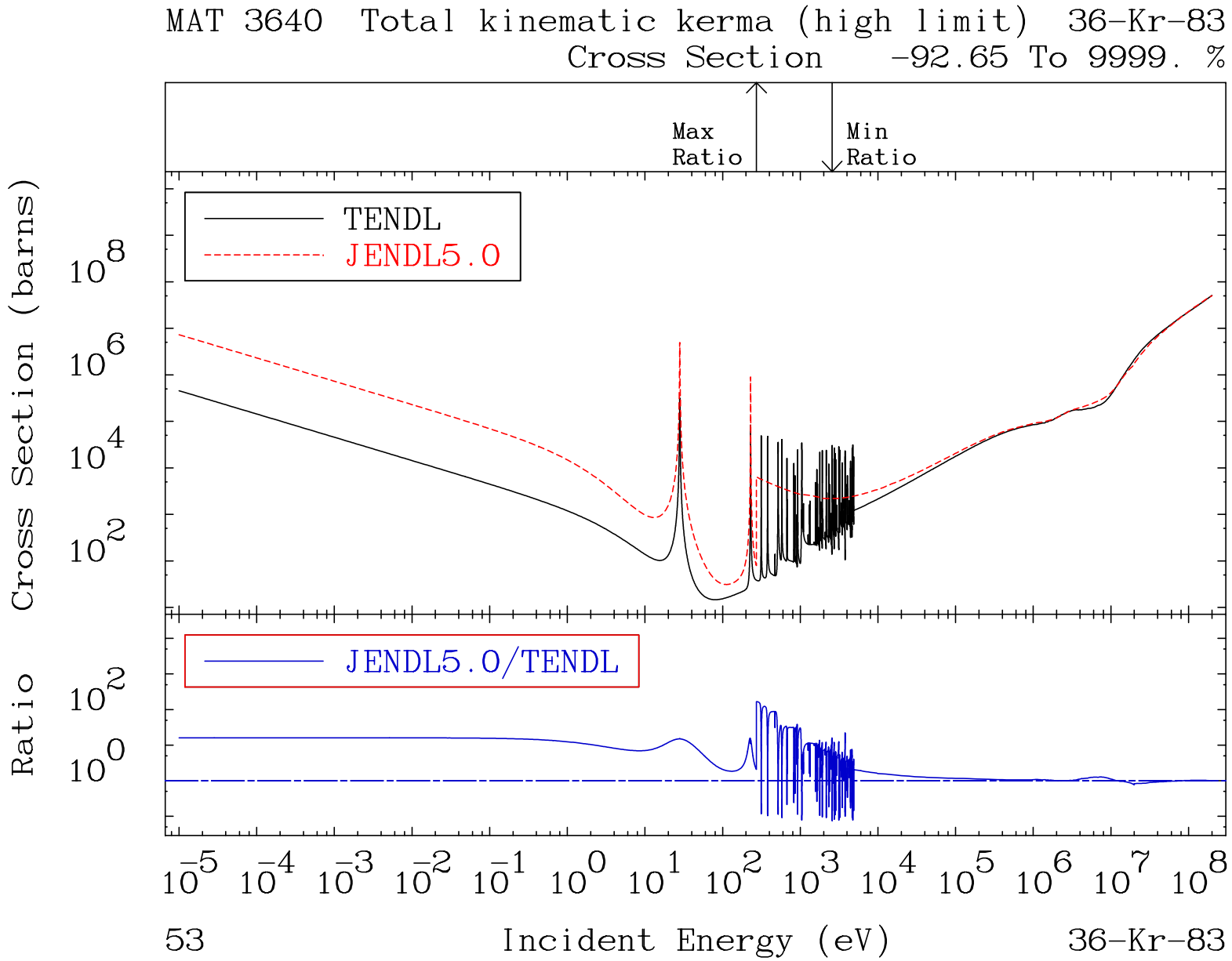

MAT 3640 Kerma non-elastic (all but mt2) 36-Kr-83
Cross Section -9999. To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
48
36-Kr-83

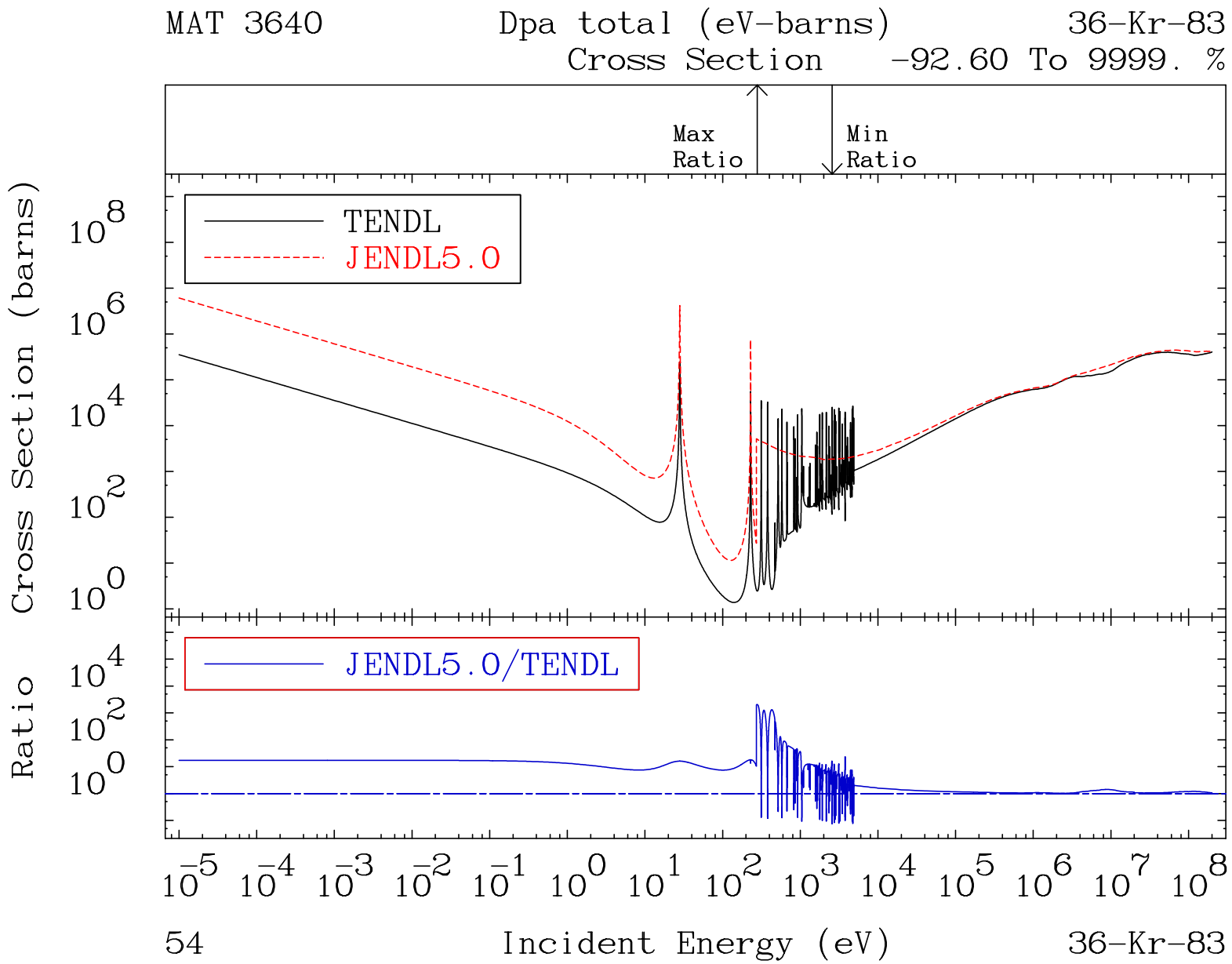

MAT 3640
Kerma inelastic (mt51-91)
36-Kr-83
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.5200 keV
JENDL5.0 Threshold 9.5103 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
49
36-Kr-83

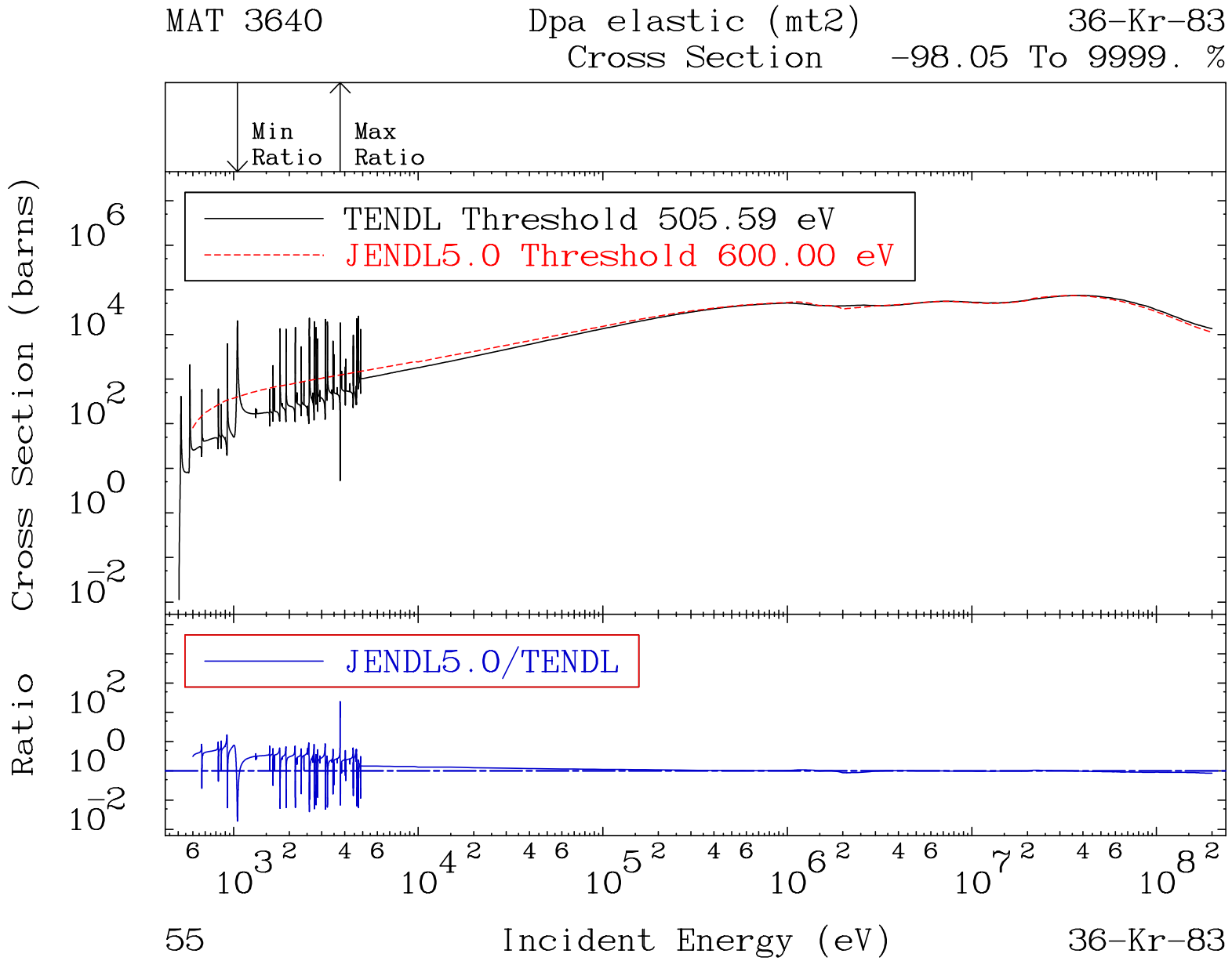

MAT 3640 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-83
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
6
4
2
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
50
Incident Energy (eV)
36-Kr-83

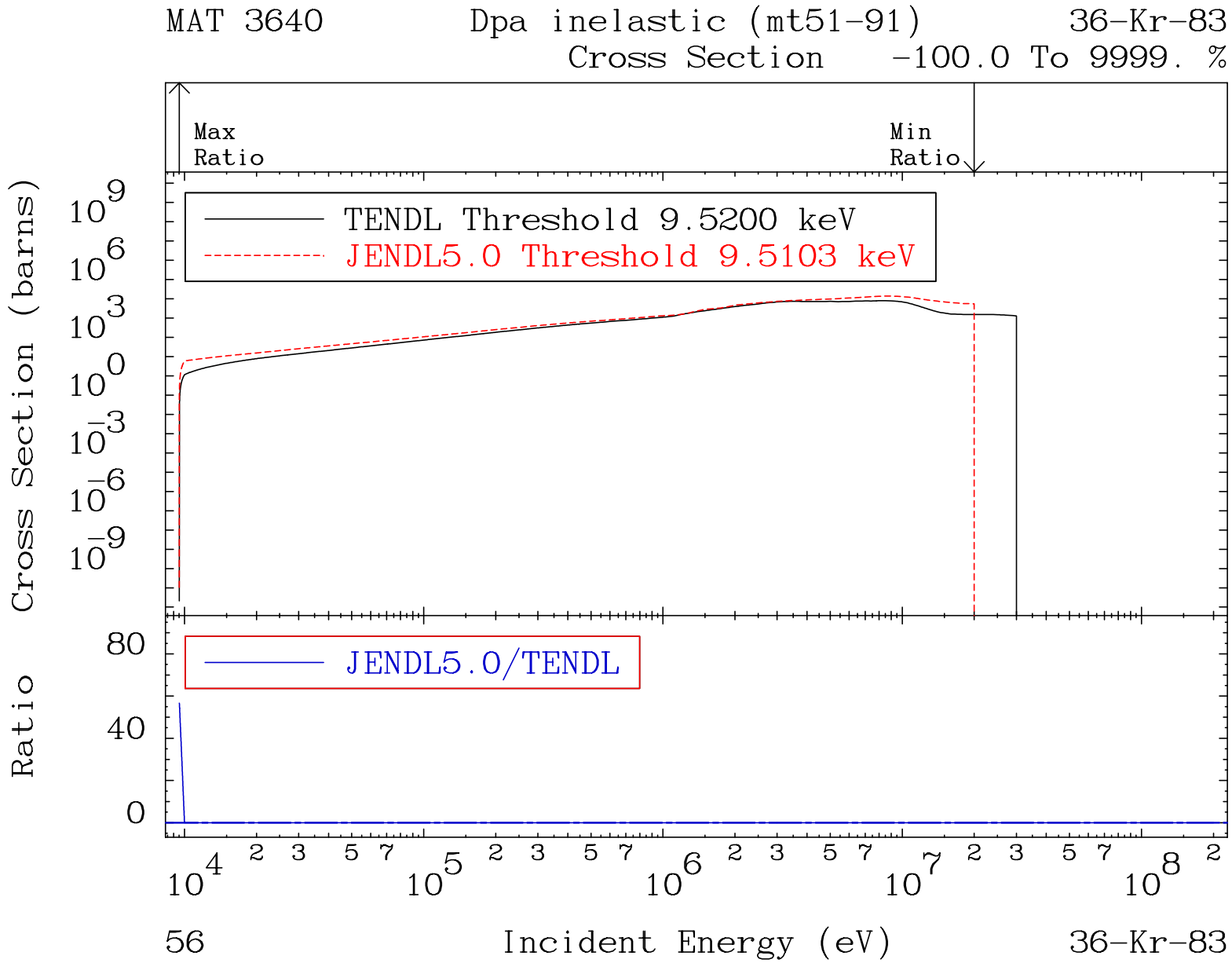

MAT 3640
Kerma capture (mt102)
36-Kr-83
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^{12}
10^{9}
10^{6}
10^{3}
10^{0}
JENDL5.0/TENDL
Ratio
120
60
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
51
Incident Energy (eV)
36-Kr-83

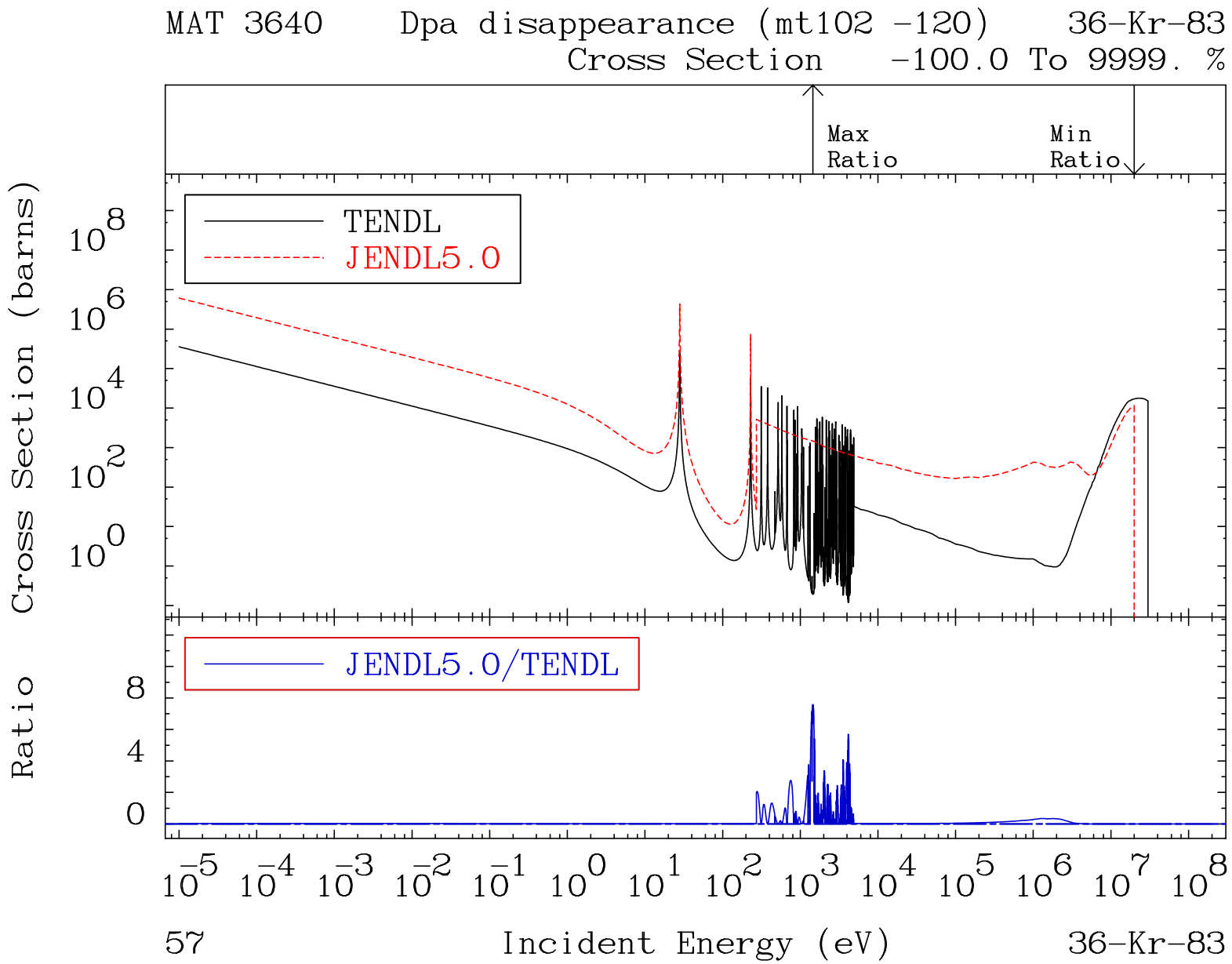

MAT 3640
Total photon (eV-barns)
36-Kr-83
Cross Section -99.30 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
36-Kr-83

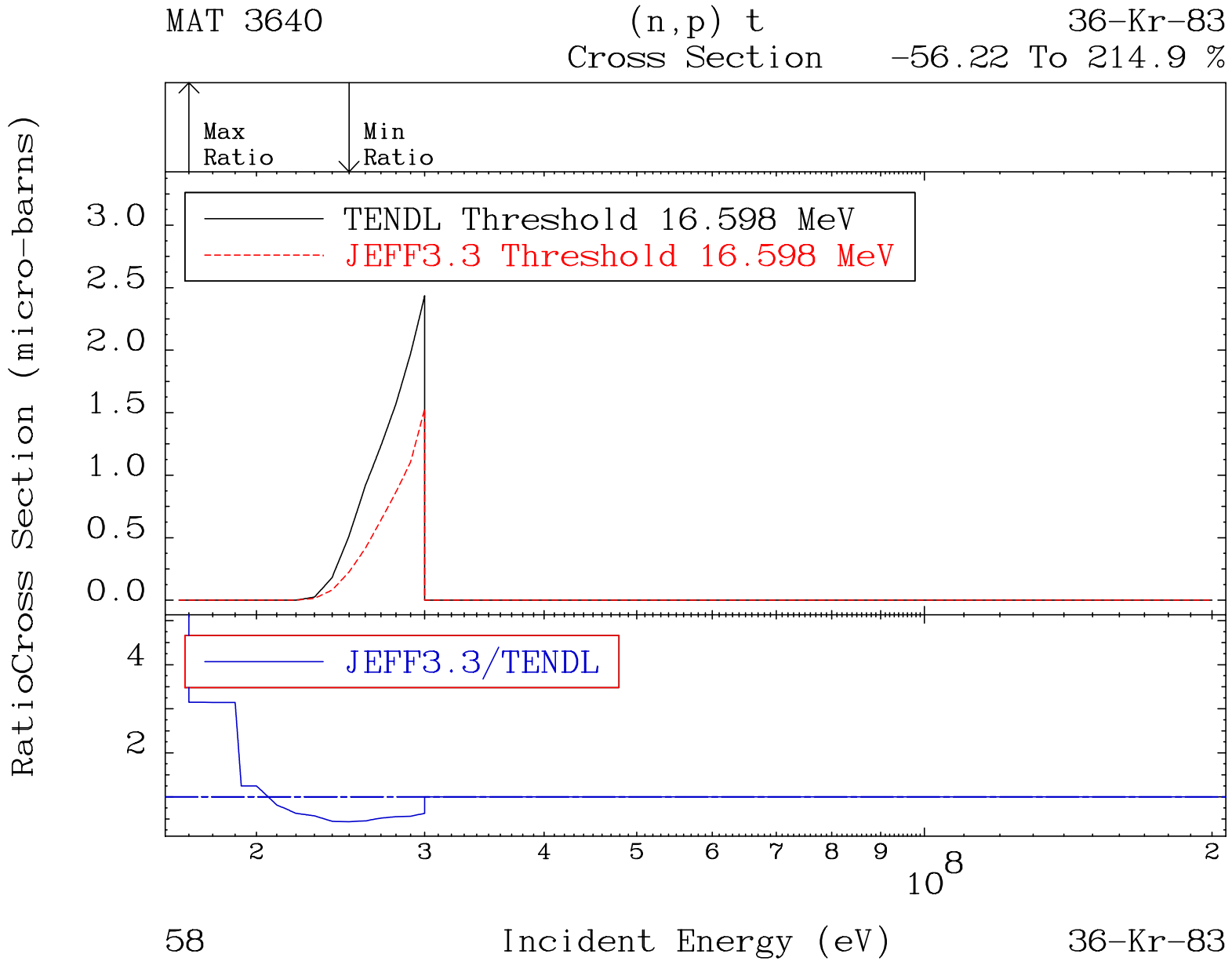

MAT 3640 Total kinematic kerma (high limit) 36-Kr-83
Cross Section -92.65 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
53
36-Kr-83

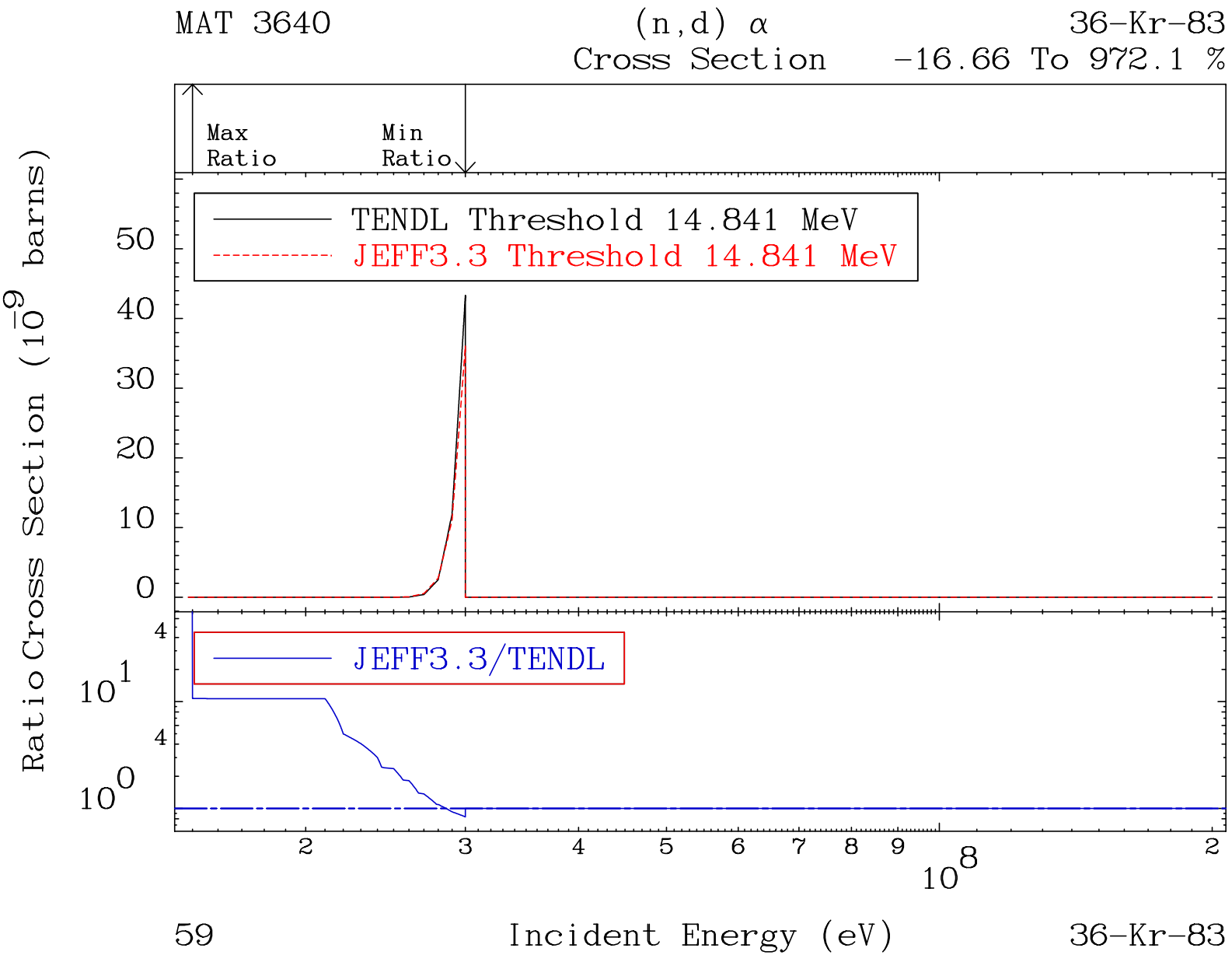

MAT 3640
Dpa total (eV-barns)
36-Kr-83
Cross Section -92.60 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
36-Kr-83

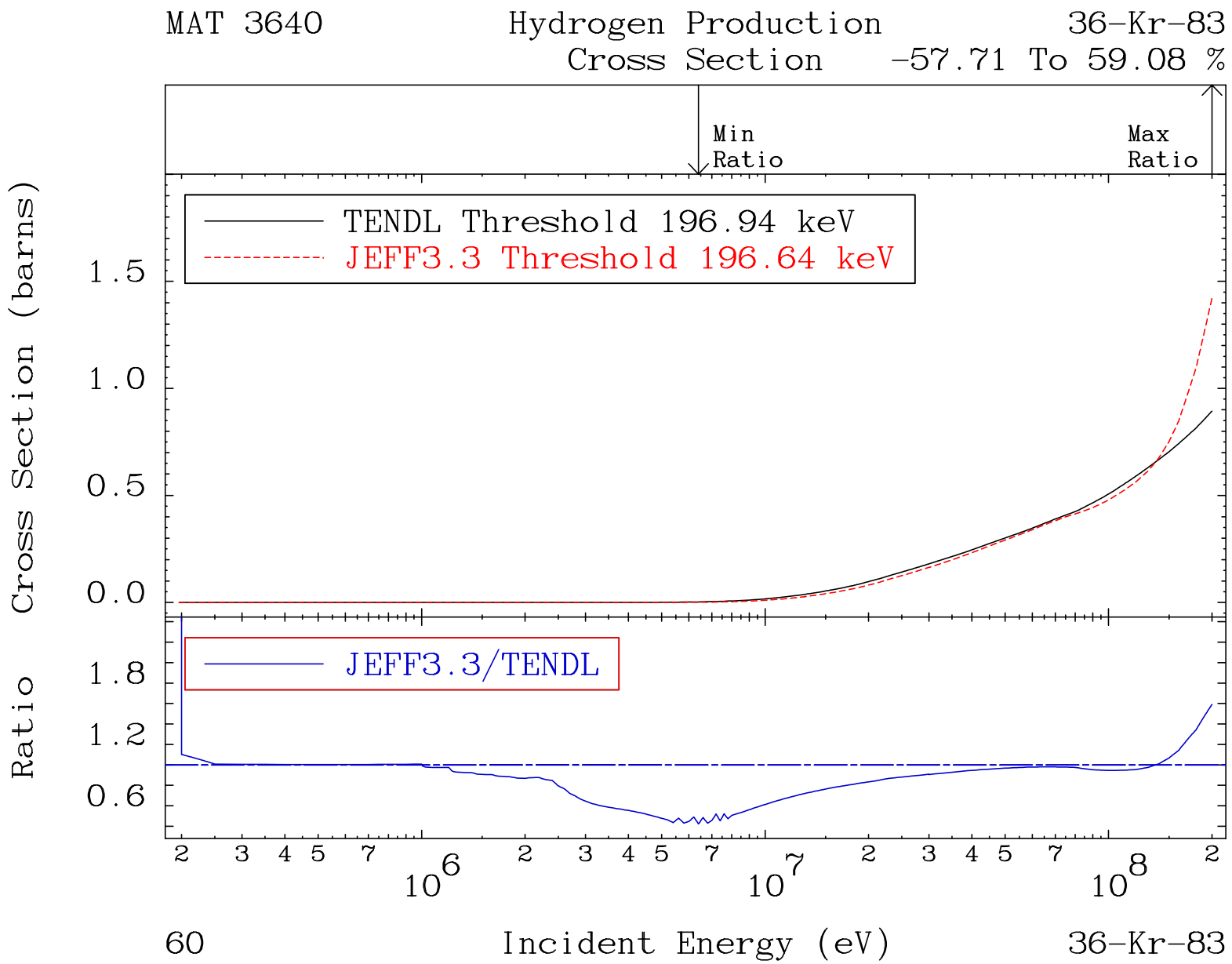

MAT 3640
Dpa elastic (mt2)
Cross Section
36-Kr-83
-98.05 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 505.59 eV
JENDL5.0 Threshold 600.00 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
36-Kr-83

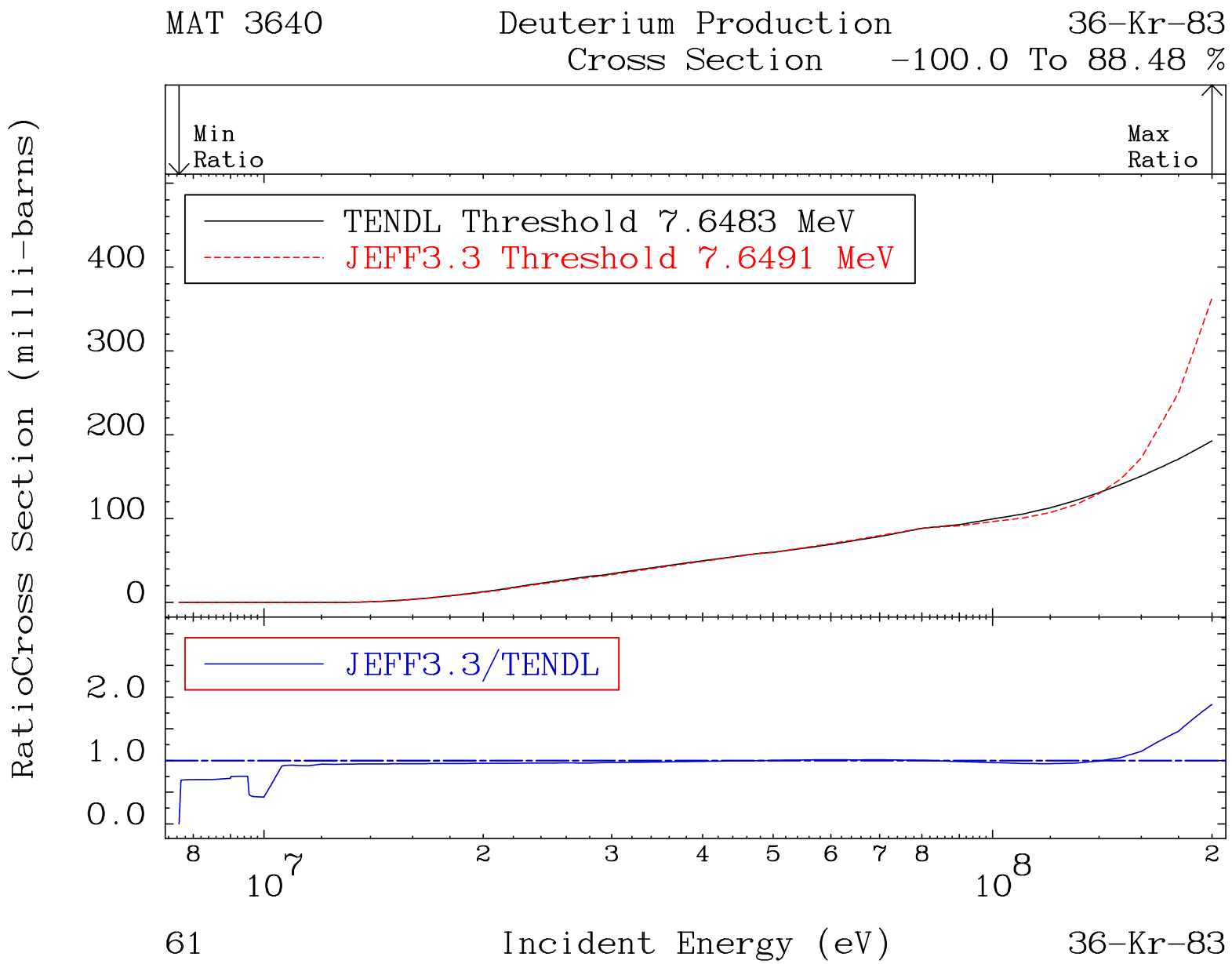

MAT 3640
Dpa inelastic (mt51-91)
36-Kr-83
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.5200 keV
JENDL5.0 Threshold 9.5103 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
56
36-Kr-83

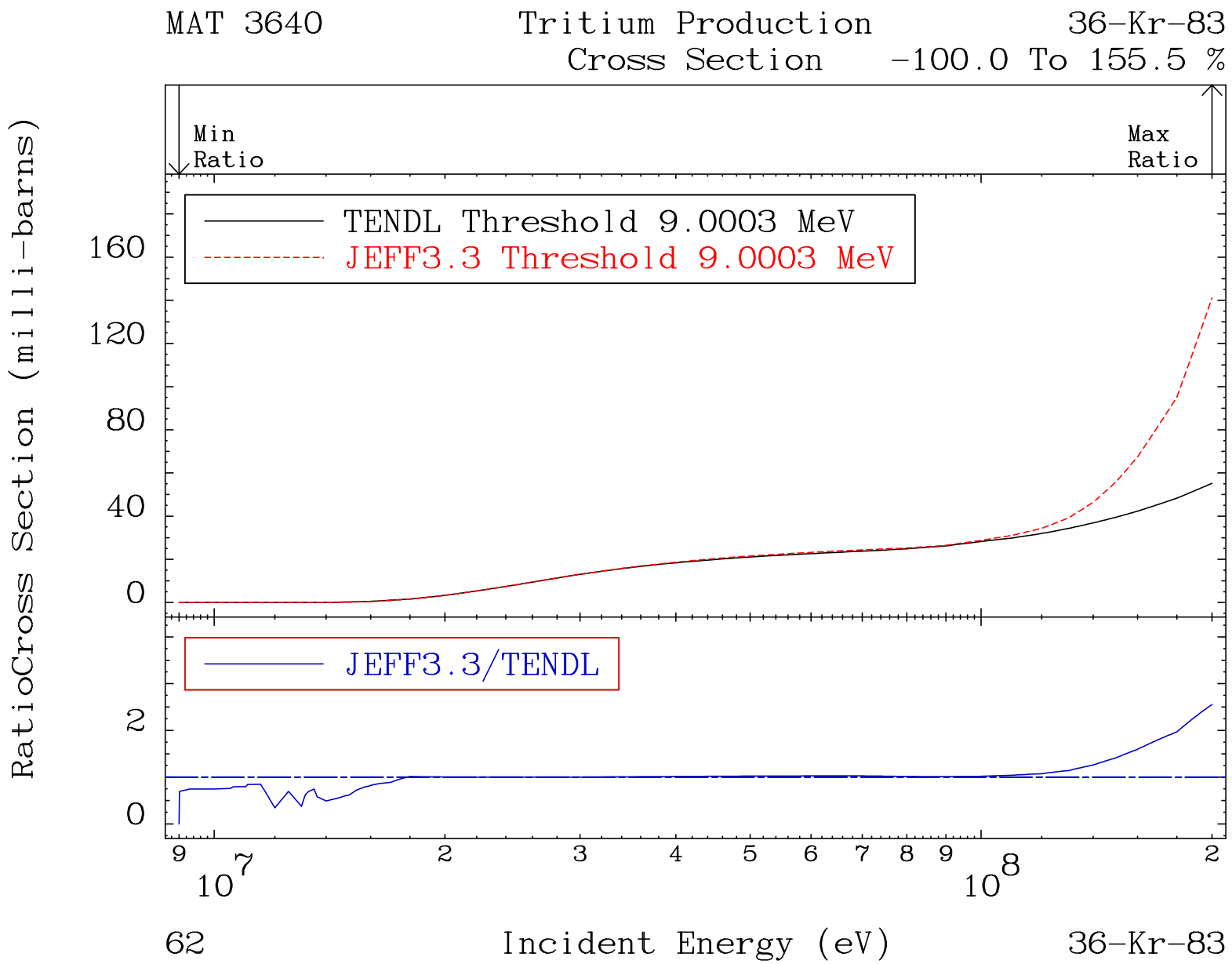

MAT 3640 Dpa disappearance (mt102 -120) 36-Kr-83
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
36-Kr-83

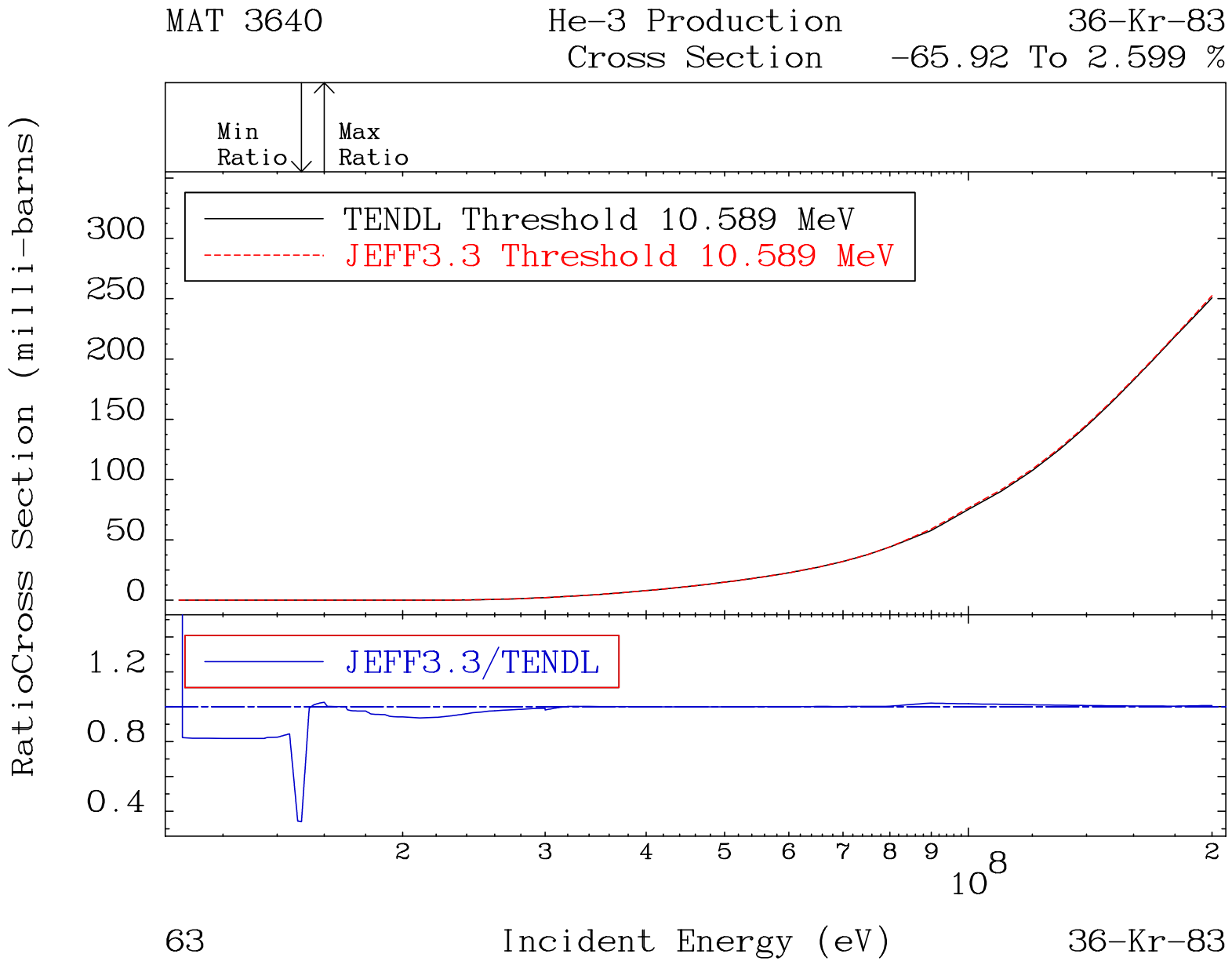

MAT 3640
(n,p) t
Cross Section
36-Kr-83
-56.22 To 214.9 %
Max Ratio
Min Ratio
TENDL Threshold 16.598 MeV
JEFF3.3 Threshold 16.598 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
4
2
2
3
4
5
6
7
8
9
10^8
2
58
Incident Energy (eV)
36-Kr-83

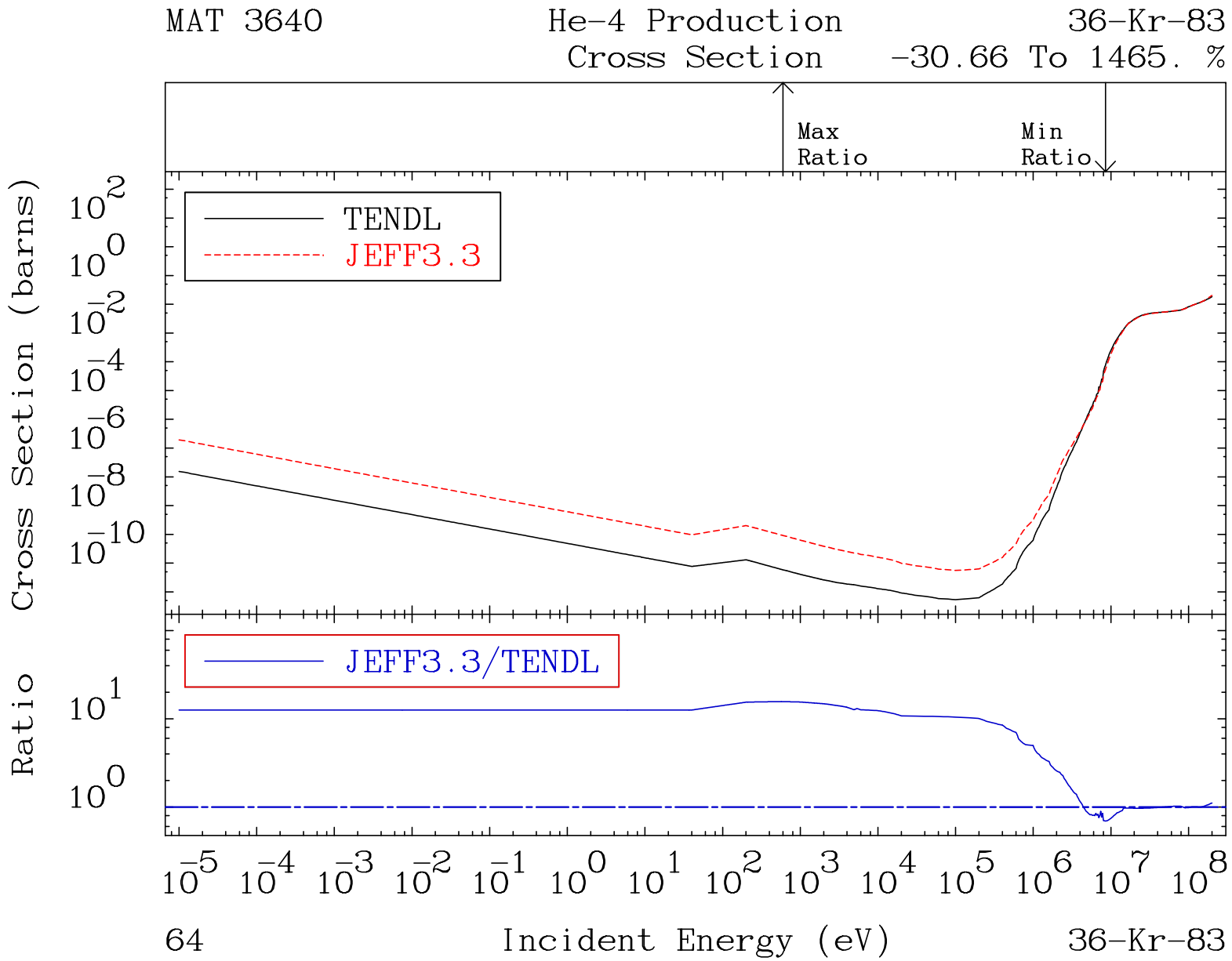

MAT 3640
(n,d) α
36-Kr-83
Cross Section
-16.66 To 972.1 %
Max Ratio
Min Ratio
TENDL Threshold 14.841 MeV
JEFF3.3 Threshold 14.841 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
50
40
30
20
10
0
4
10^1
4
10^0
2
3
4
5
6
7
8
9
10^8
2
59
Incident Energy (eV)
36-Kr-83

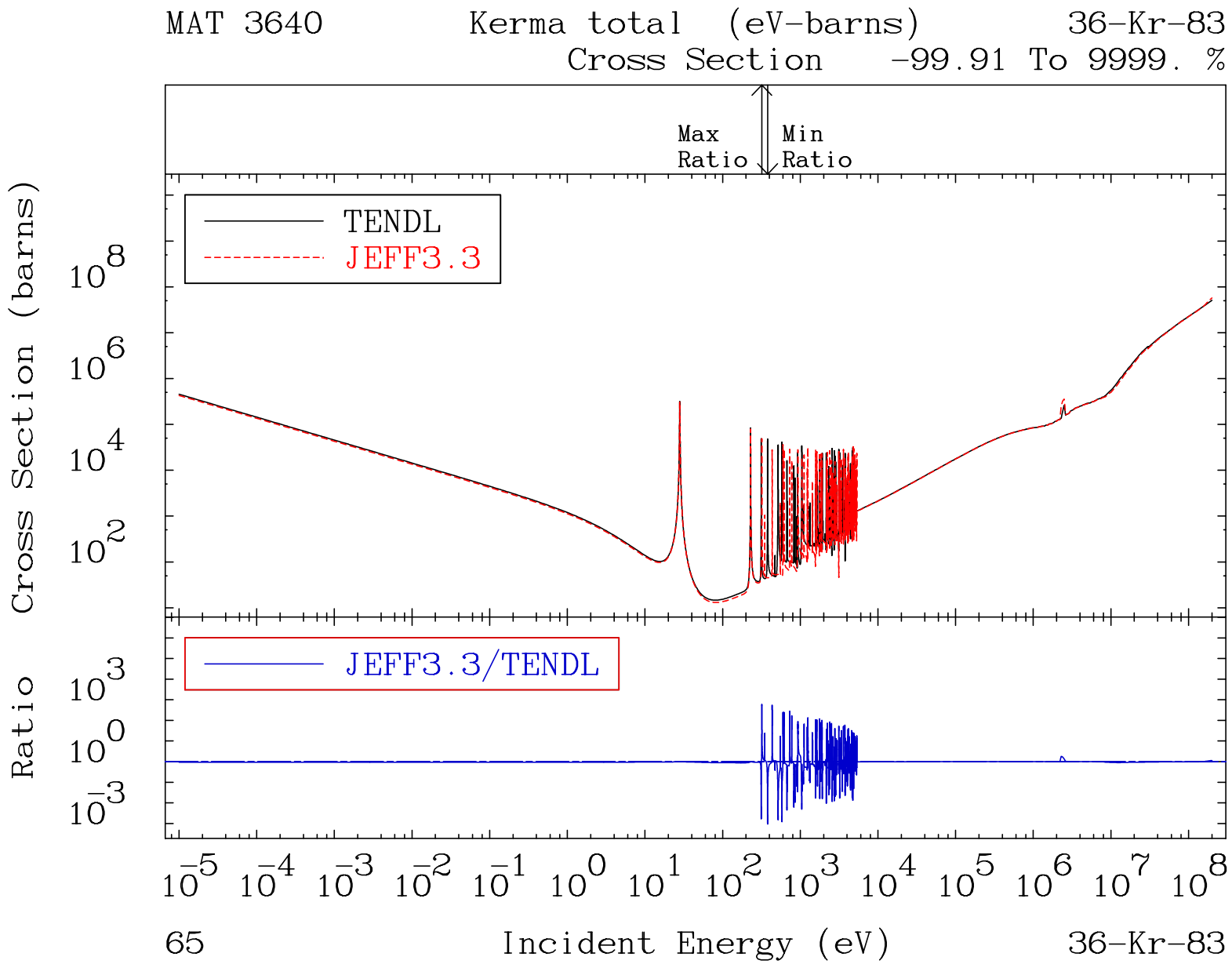

MAT 3640
Hydrogen Production
36-Kr-83
Cross Section
-57.71 To 59.08 %
Min
Ratio
Max
Ratio
TENDL Threshold 196.94 keV
JEFF3.3 Threshold 196.64 keV
Cross Section (barns)
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.8
1.2
0.6
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
60
Incident Energy (eV)
36-Kr-83

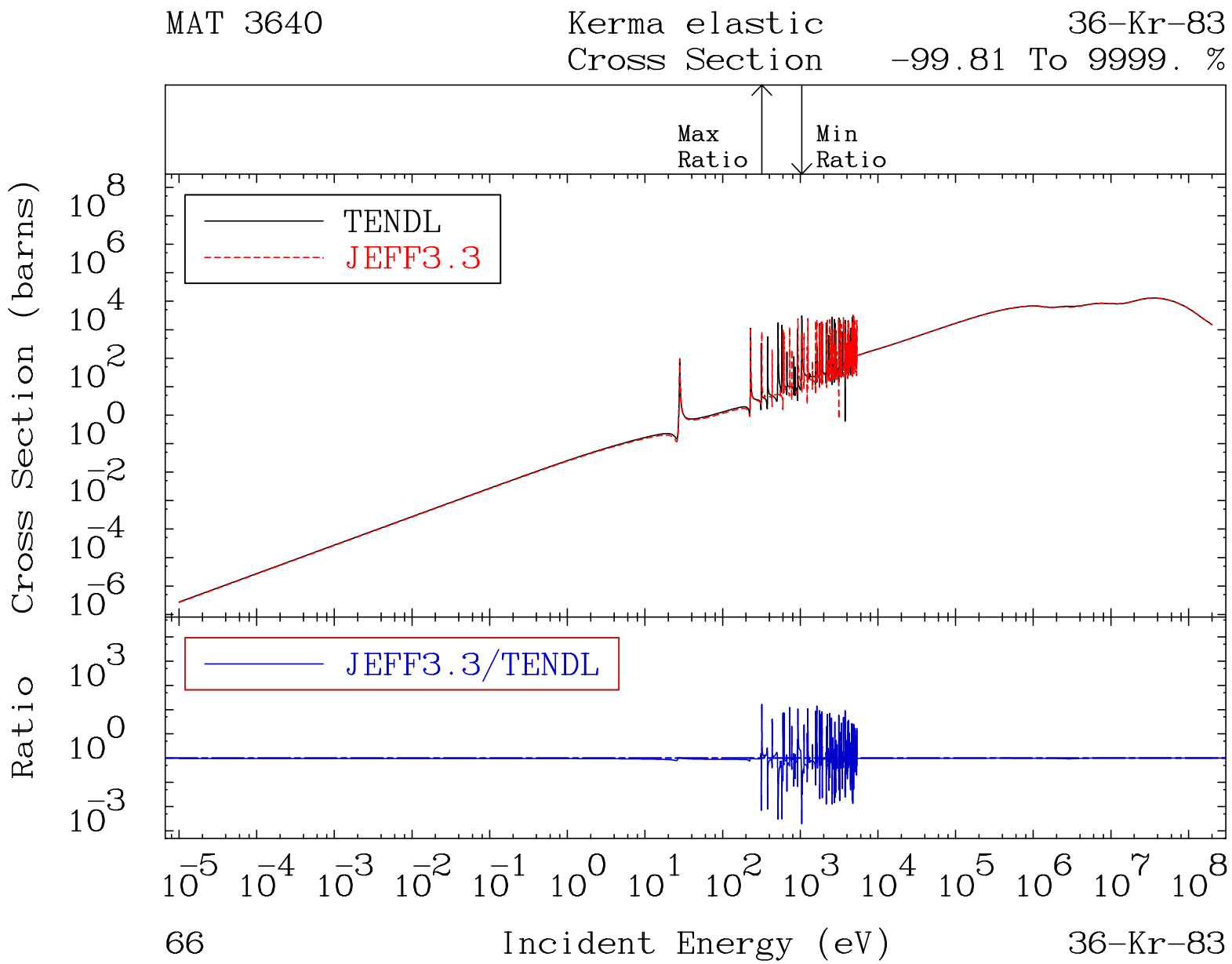

MAT 3640
Deuterium Production
36-Kr-83
Cross Section
-100.0 To 88.48 %
Min Ratio
Max Ratio
TENDL Threshold 7.6483 MeV
JEFF3.3 Threshold 7.6491 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
2.0
1.0
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
61
Incident Energy (eV)
36-Kr-83

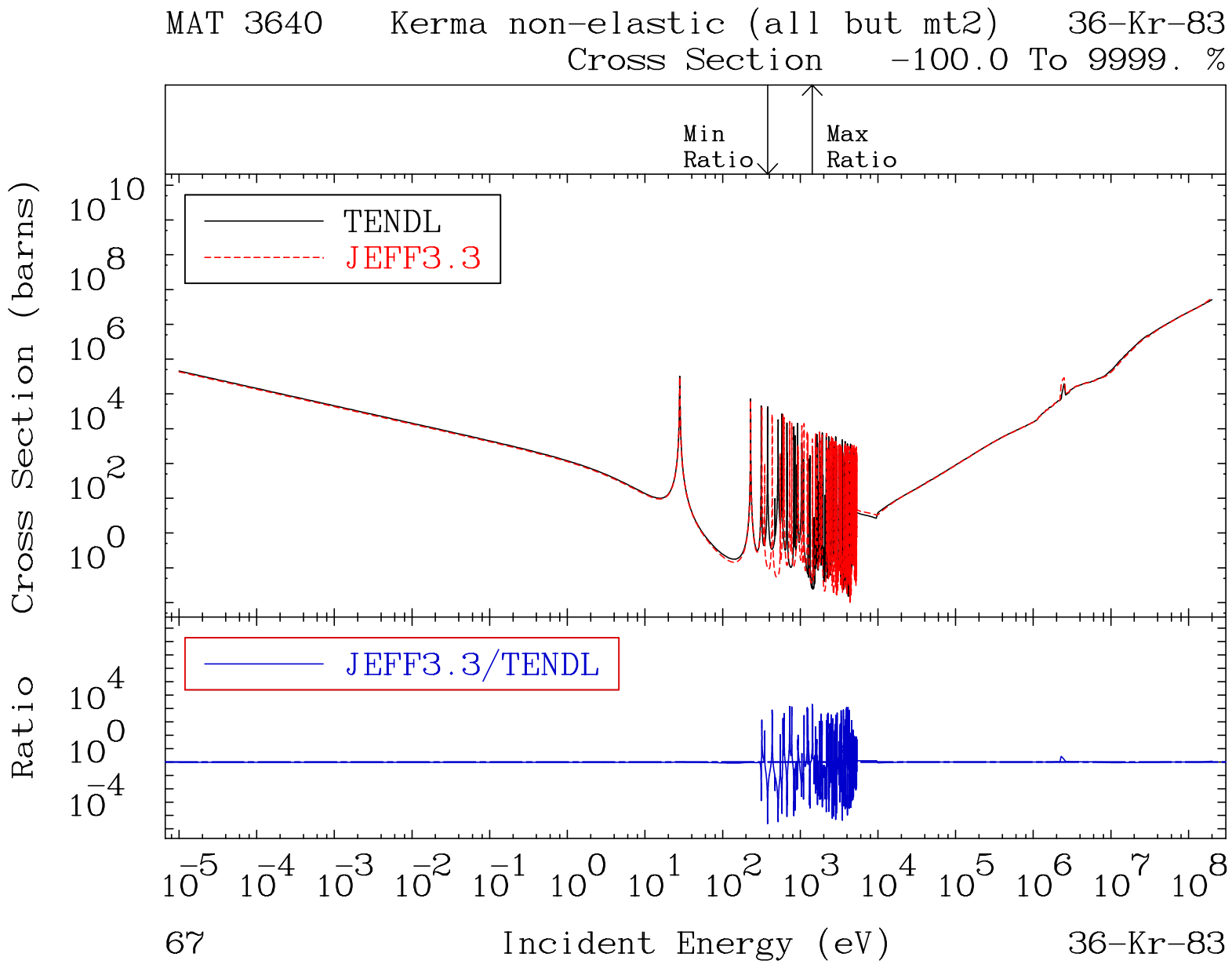

MAT 3640
Tritium Production
36-Kr-83
Cross Section
-100.0 To 155.5 %
Min
Ratio
Max
Ratio
TENDL Threshold 9.0003 MeV
JEFF3.3 Threshold 9.0003 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2
0
9
2
3
4
5
6
7
8
9
2
10^7
10^8
62
Incident Energy (eV)
36-Kr-83

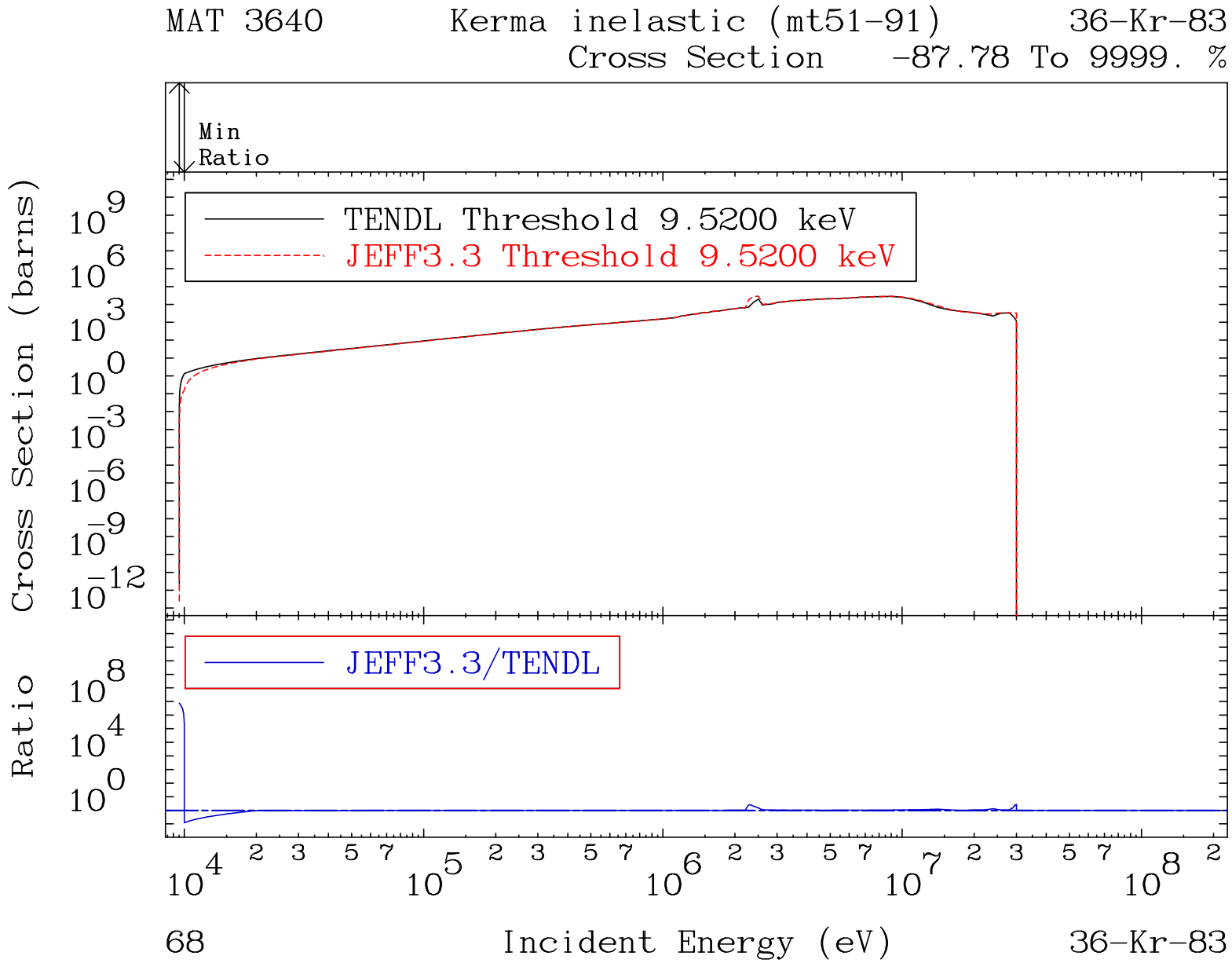

MAT 3640
He-3 Production
Cross Section
36-Kr-83
-65.92 To 2.599 %
Min Ratio
Max Ratio
TENDL Threshold 10.589 MeV
JEFF3.3 Threshold 10.589 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
1.2
0.8
0.4
2
3
4
5
6
7
8
9
10^8
2
63
Incident Energy (eV)
36-Kr-83

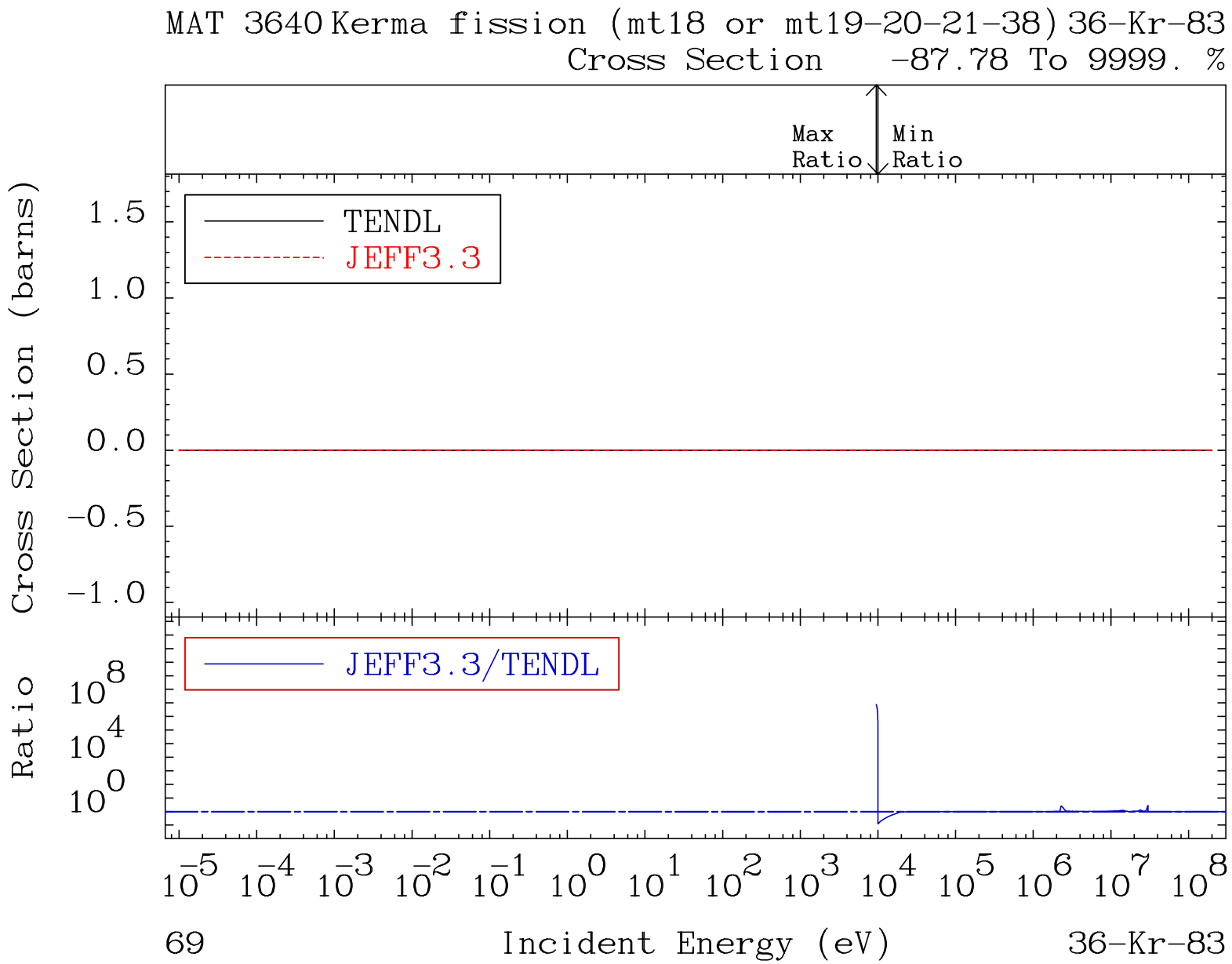

MAT 3640
He-4 Production
Cross Section
36-Kr-83
-30.66 To 1465. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
36-Kr-83

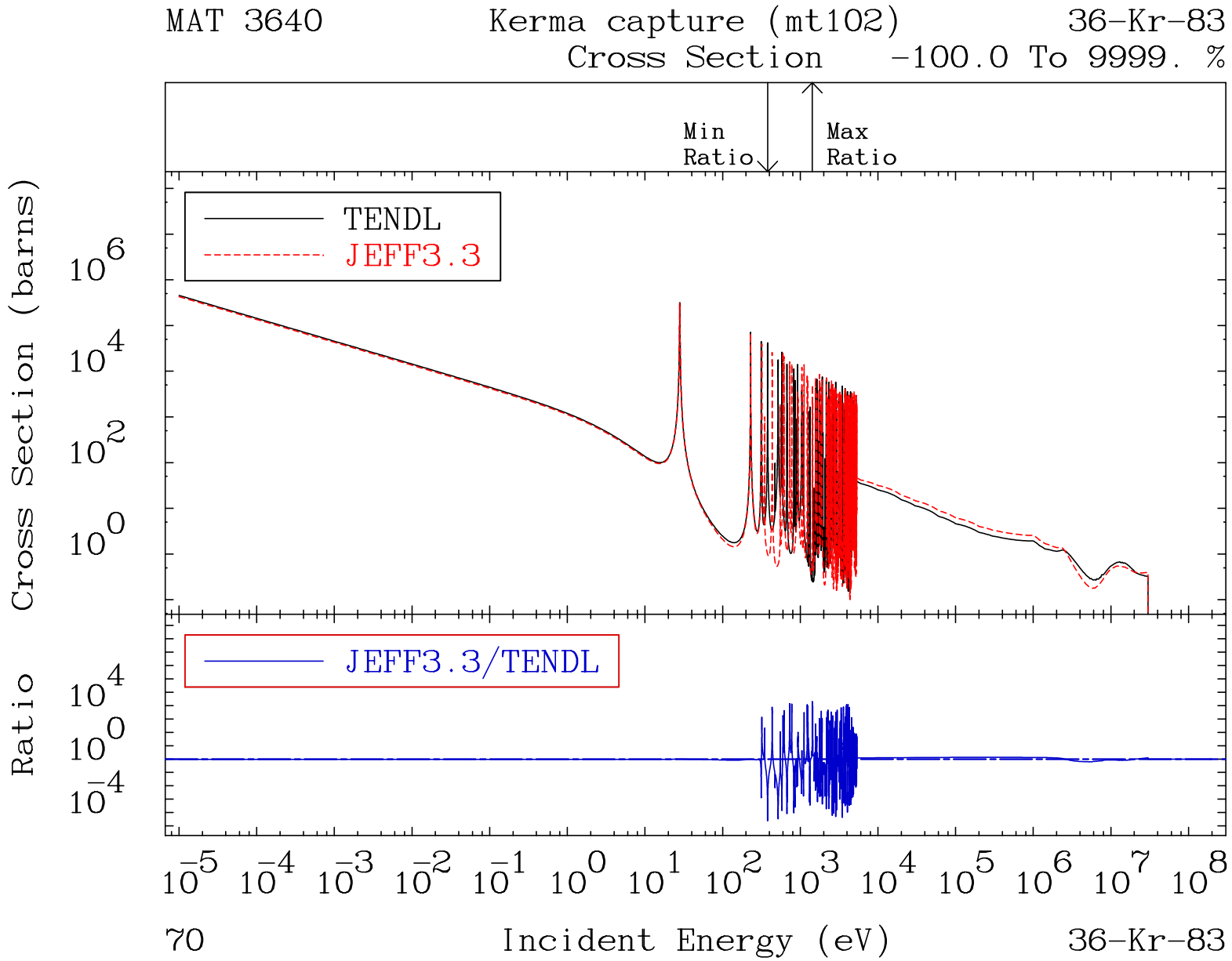

MAT 3640
Kerma total (eV-barns)
36-Kr-83
Cross Section -99.91 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
65
36-Kr-83

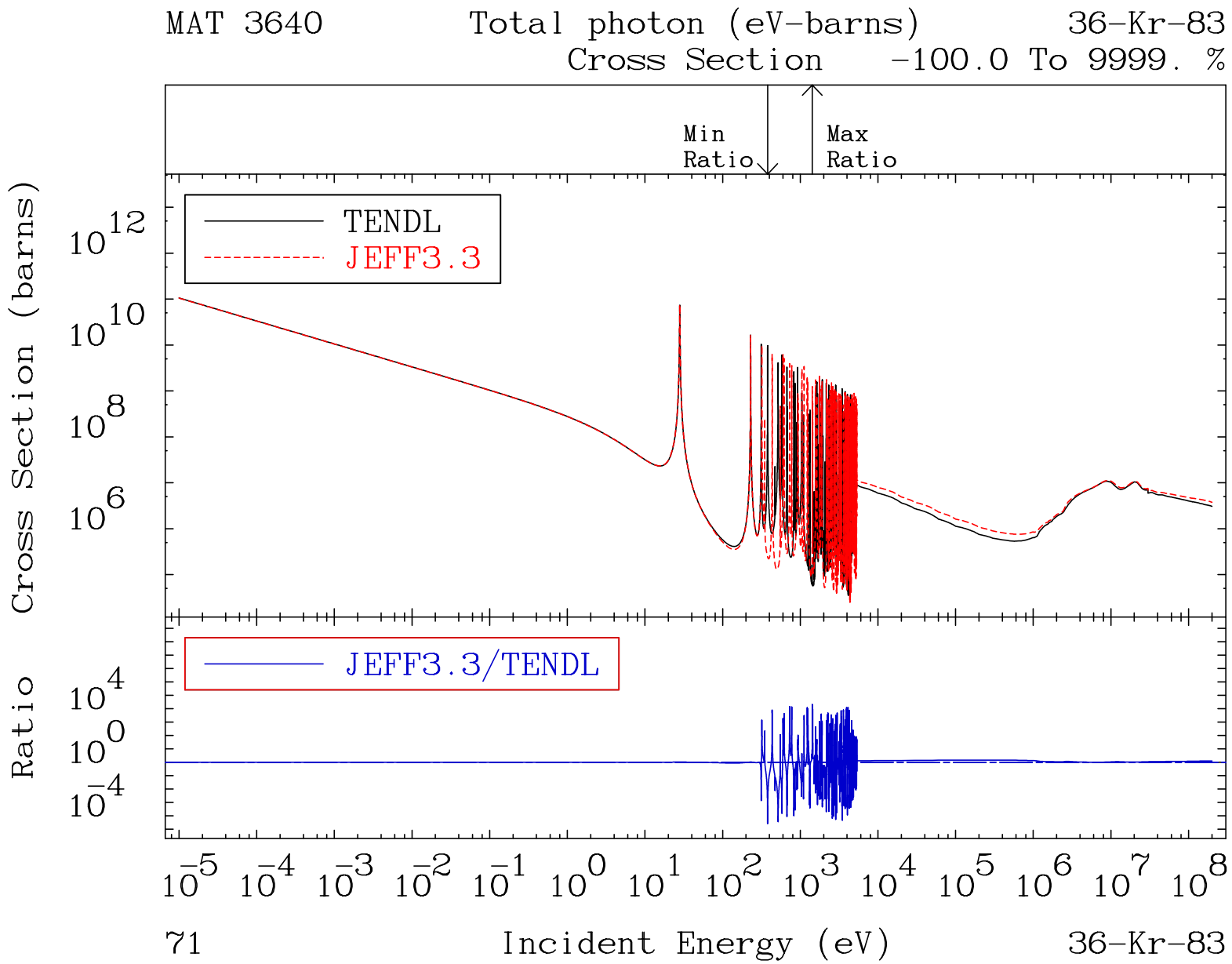

MAT 3640
Kerma elastic
Cross Section
36-Kr-83
-99.81 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
66
36-Kr-83

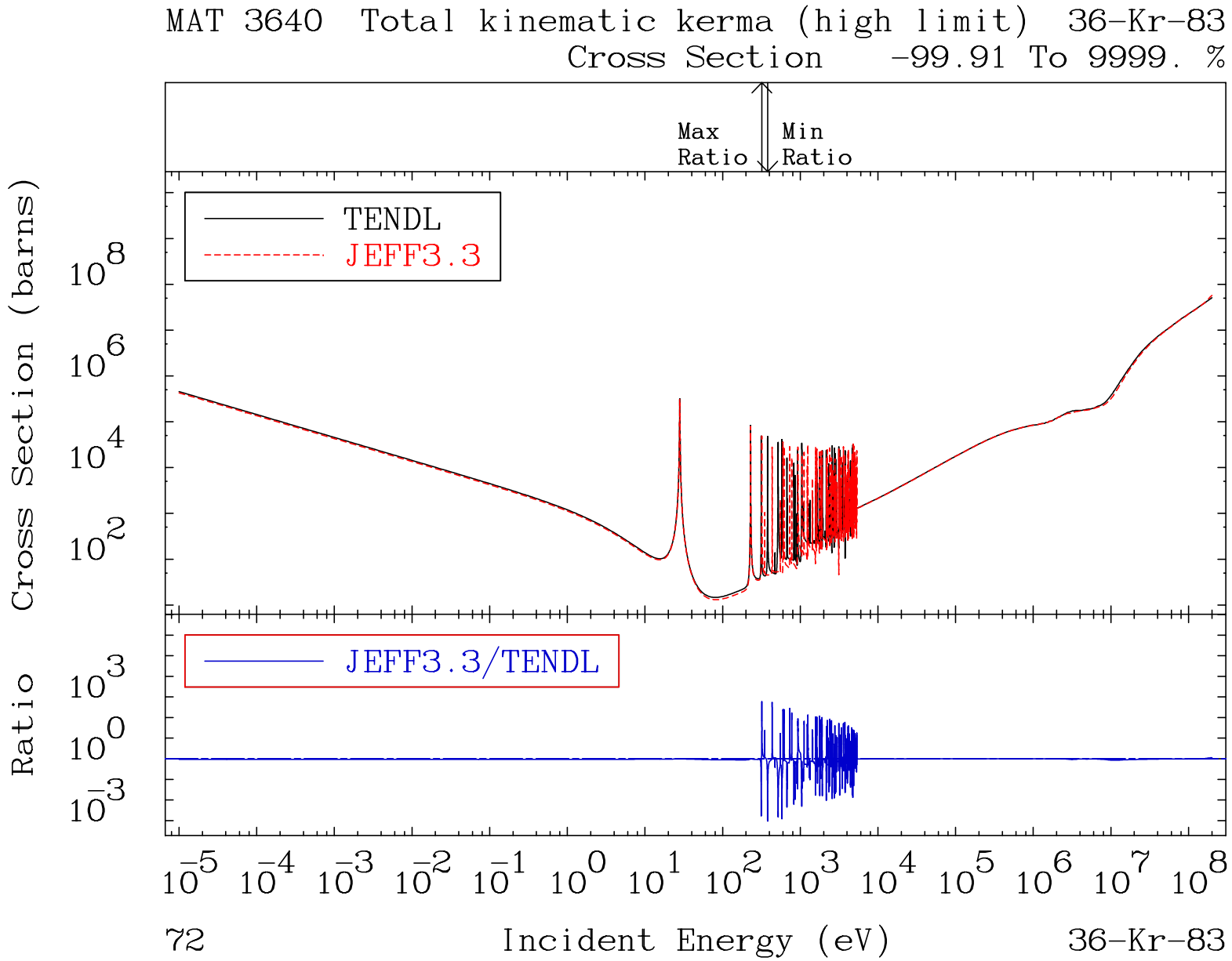

MAT 3640 Kerma non-elastic (all but mt2) 36-Kr-83
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
67
36-Kr-83

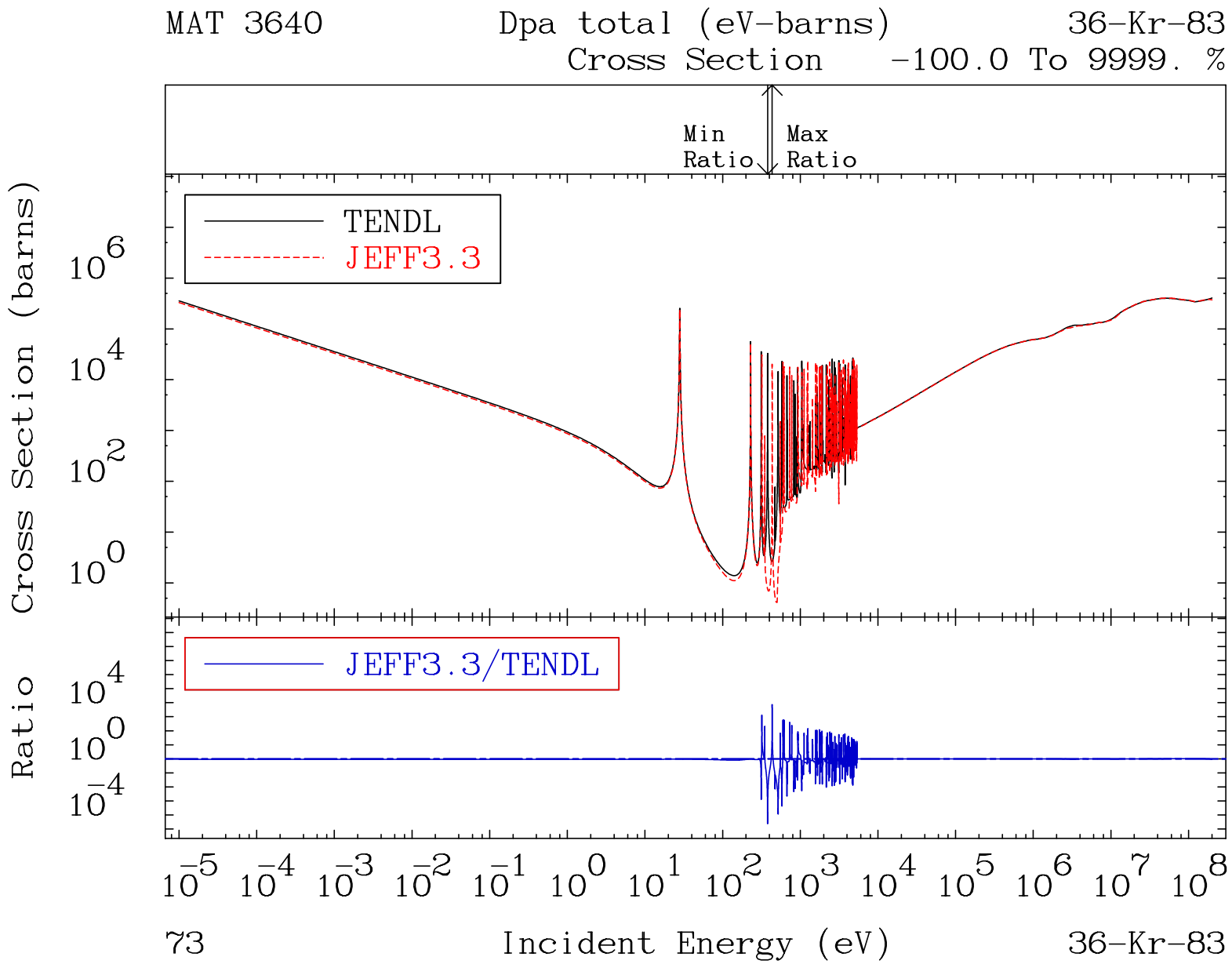

MAT 3640
Kerma inelastic (mt51-91)
36-Kr-83
Cross Section -87.78 To 9999. %
Min
Ratio
TENDL Threshold 9.5200 keV
JEFF3.3 Threshold 9.5200 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
68
36-Kr-83

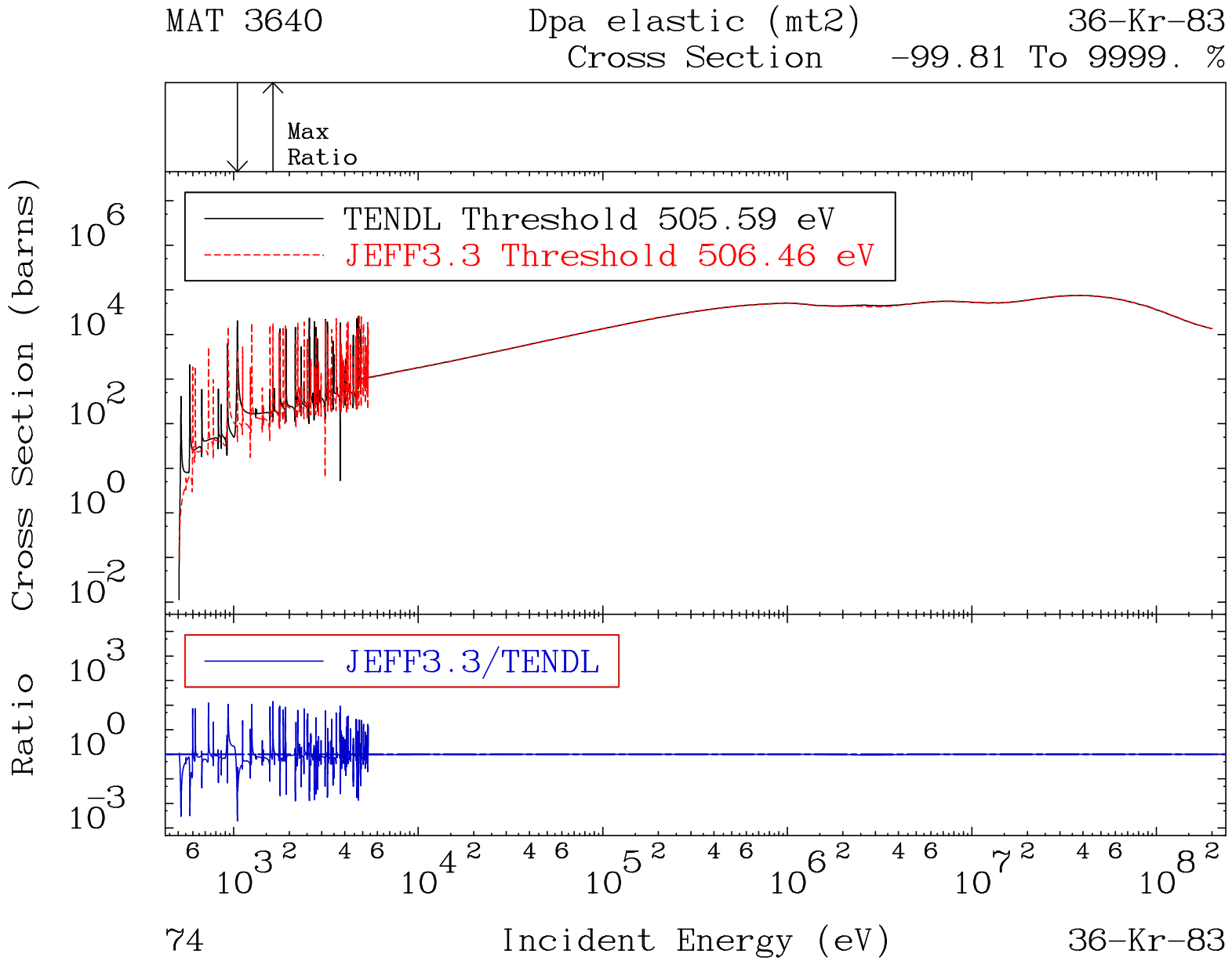

MAT 3640 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-83
Cross Section -87.78 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{8}
10^{4}
10^{0}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
69
Incident Energy (eV)
36-Kr-83

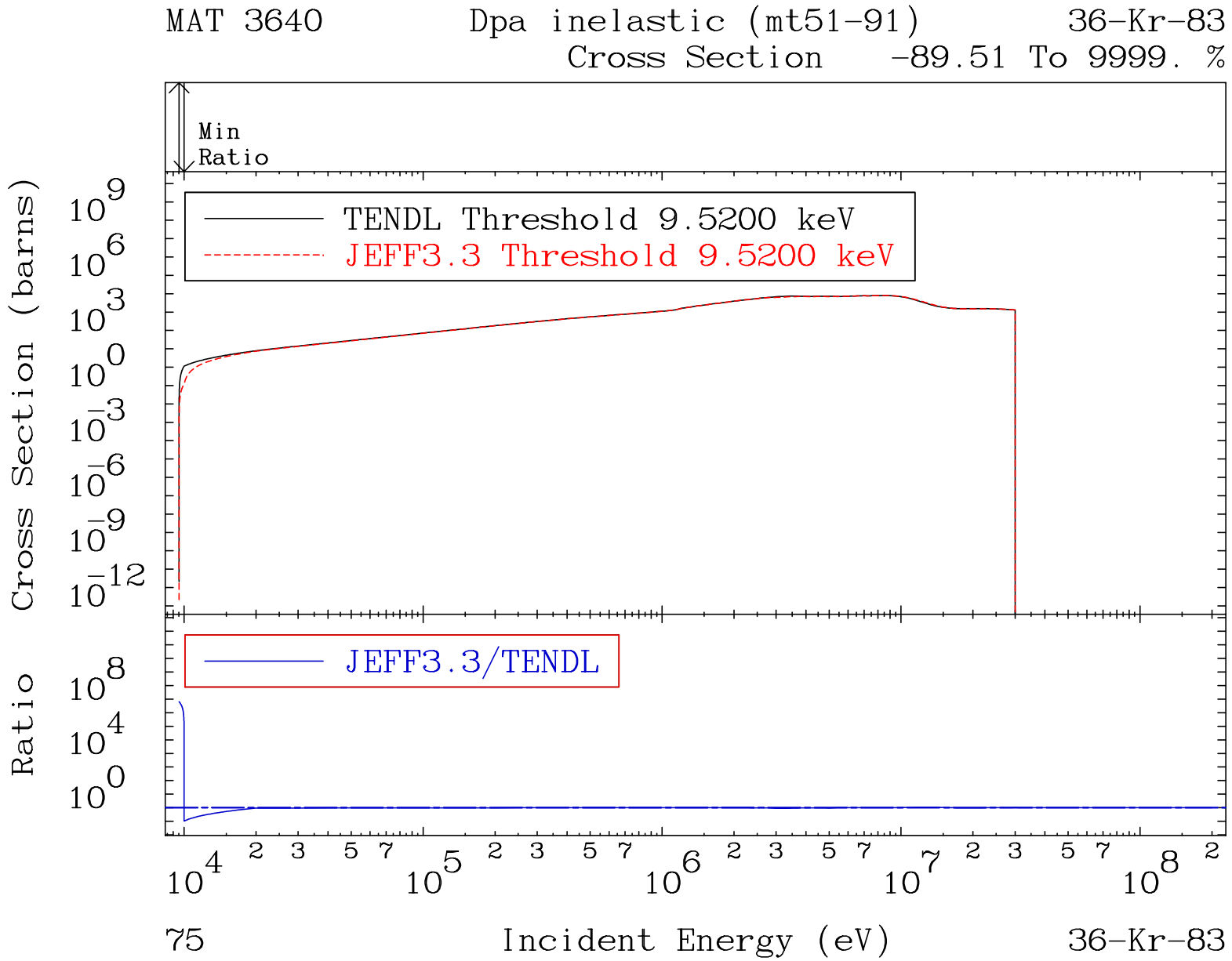

MAT 3640
Kerma capture (mt102)
36-Kr-83
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
70
36-Kr-83

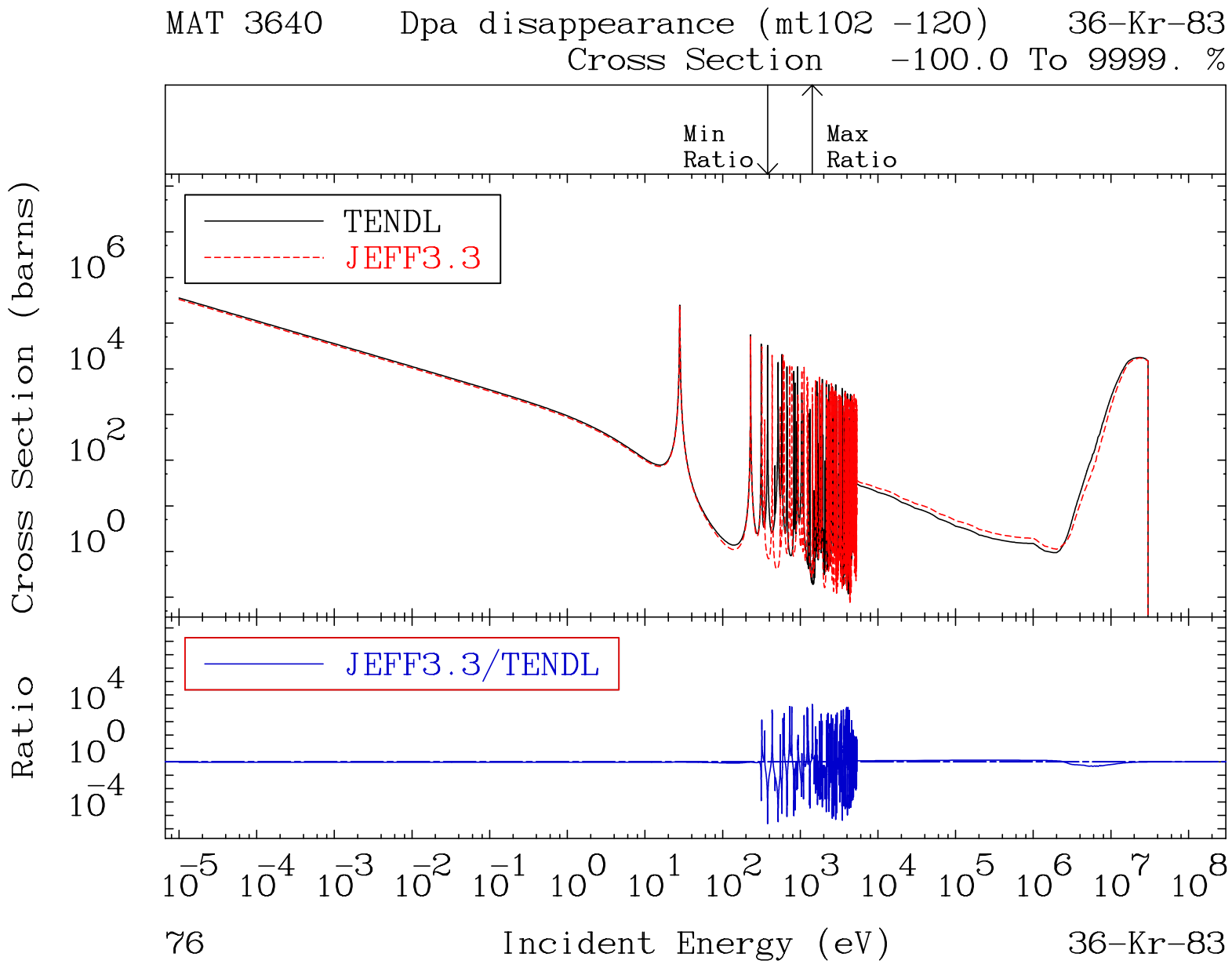

MAT 3640
Total photon (eV-barns)
36-Kr-83
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
71
36-Kr-83

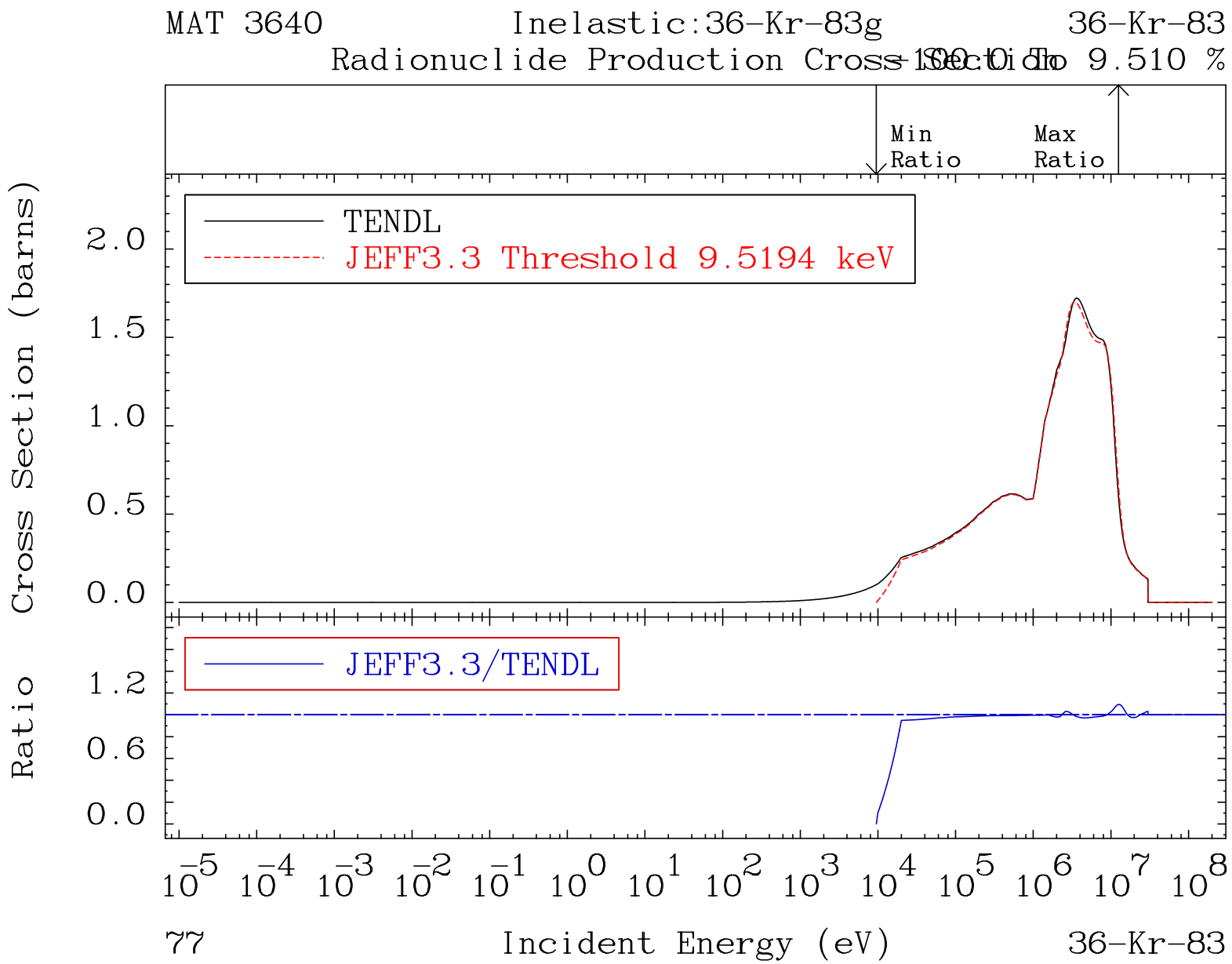

MAT 3640 Total kinematic kerma (high limit) 36-Kr-83
Cross Section -99.91 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
72
36-Kr-83

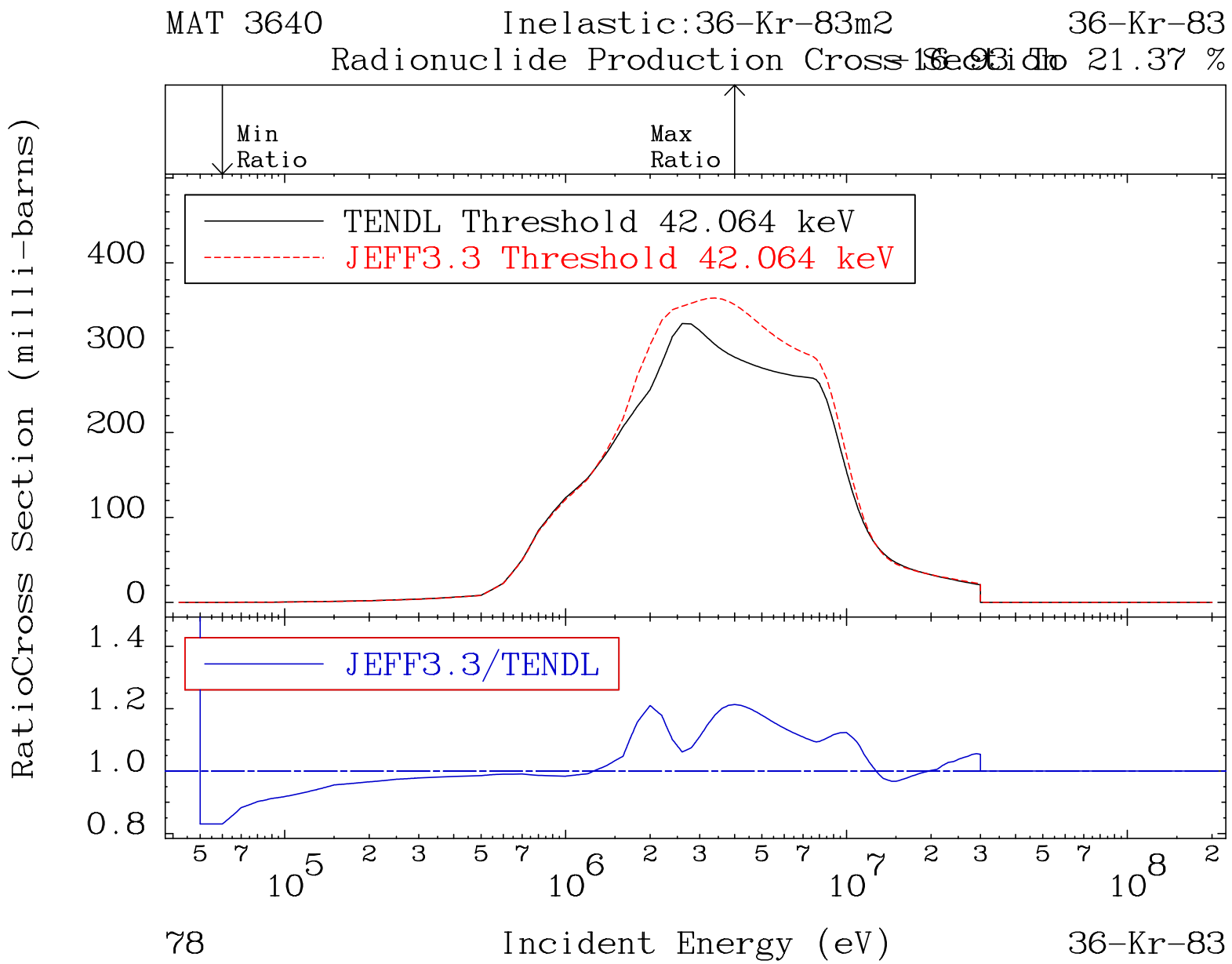

MAT 3640
Dpa total (eV-barns)
36-Kr-83
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
73
36-Kr-83

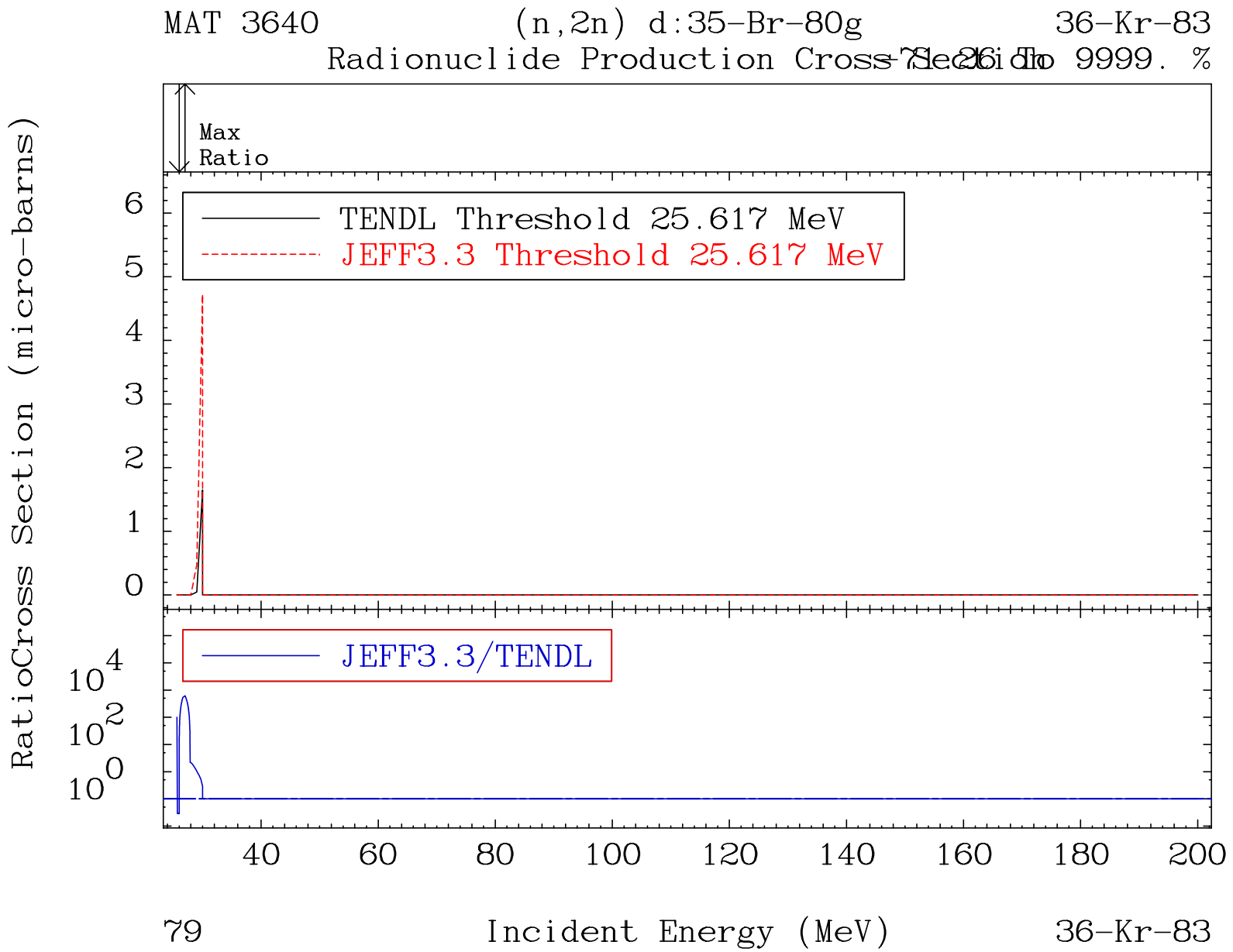

MAT 3640
Dpa elastic (mt2)
Cross Section
36-Kr-83
-99.81 To 9999. %
Max
Ratio
TENDL Threshold 505.59 eV
JEFF3.3 Threshold 506.46 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
74
36-Kr-83

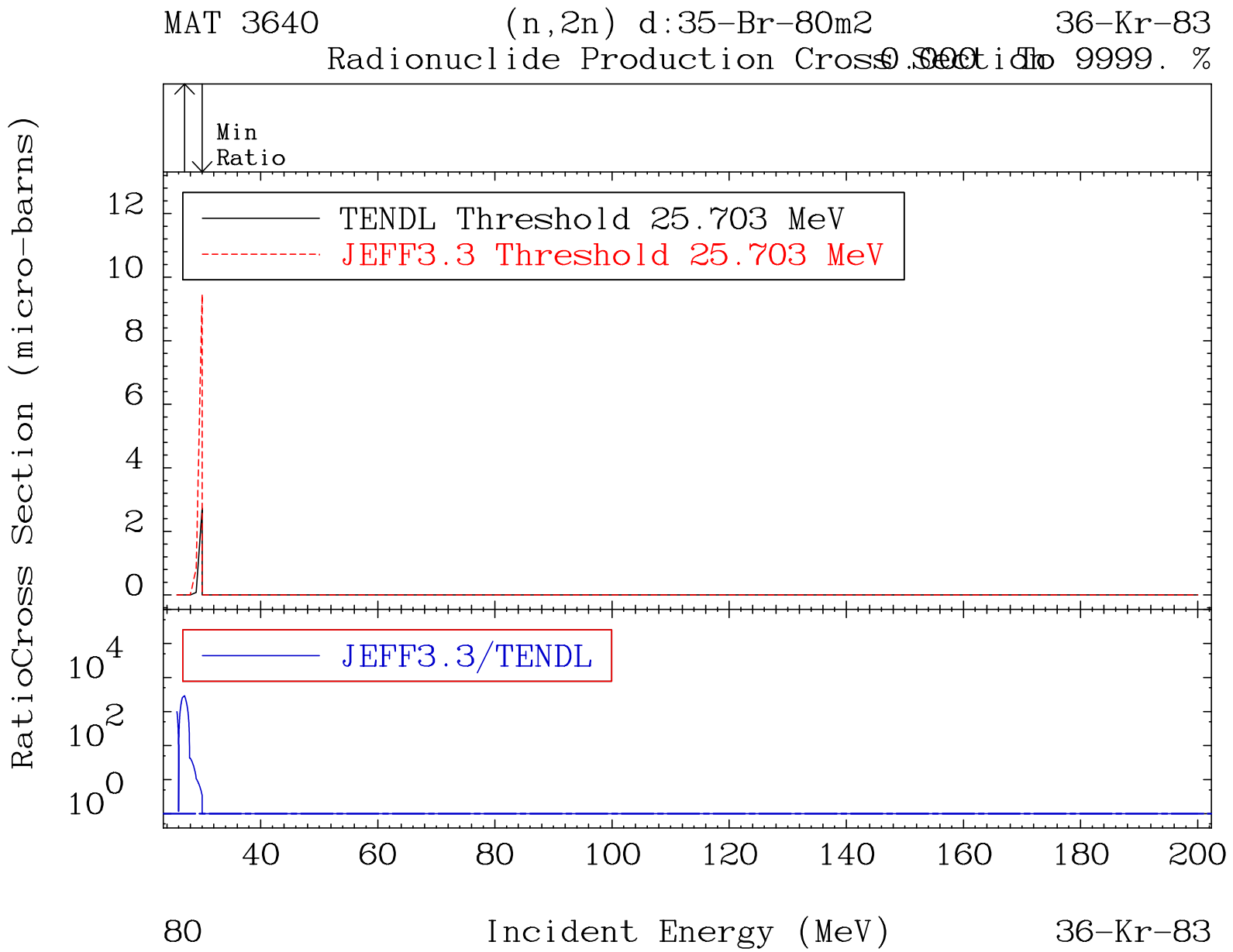

MAT 3640
Dpa inelastic (mt51-91)
36-Kr-83
Cross Section
-89.51 To 9999. %
Min
Ratio
TENDL Threshold 9.5200 keV
JEFF3.3 Threshold 9.5200 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
75
36-Kr-83

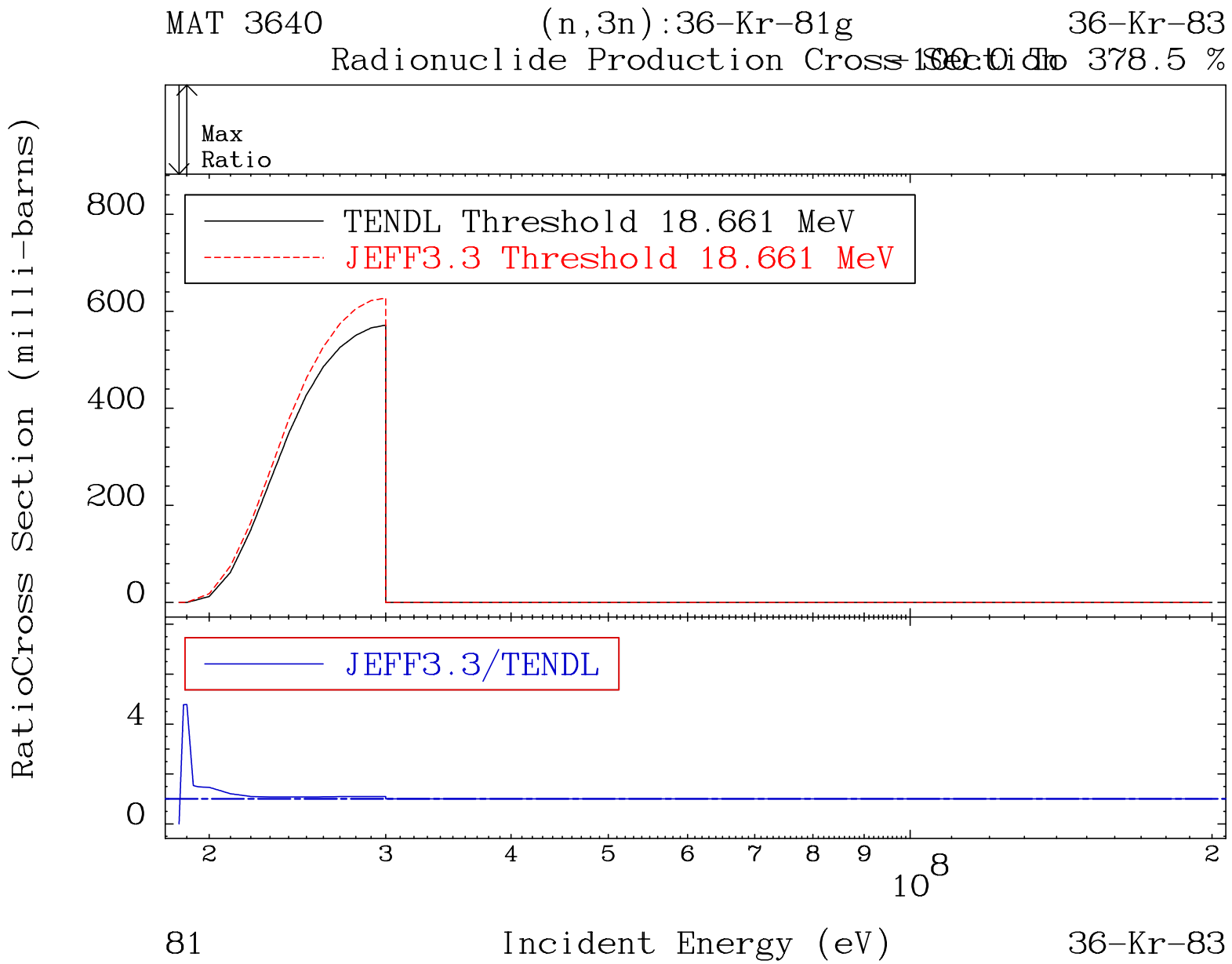

MAT 3640 Dpa disappearance (mt102 -120) 36-Kr-83
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
76
36-Kr-83

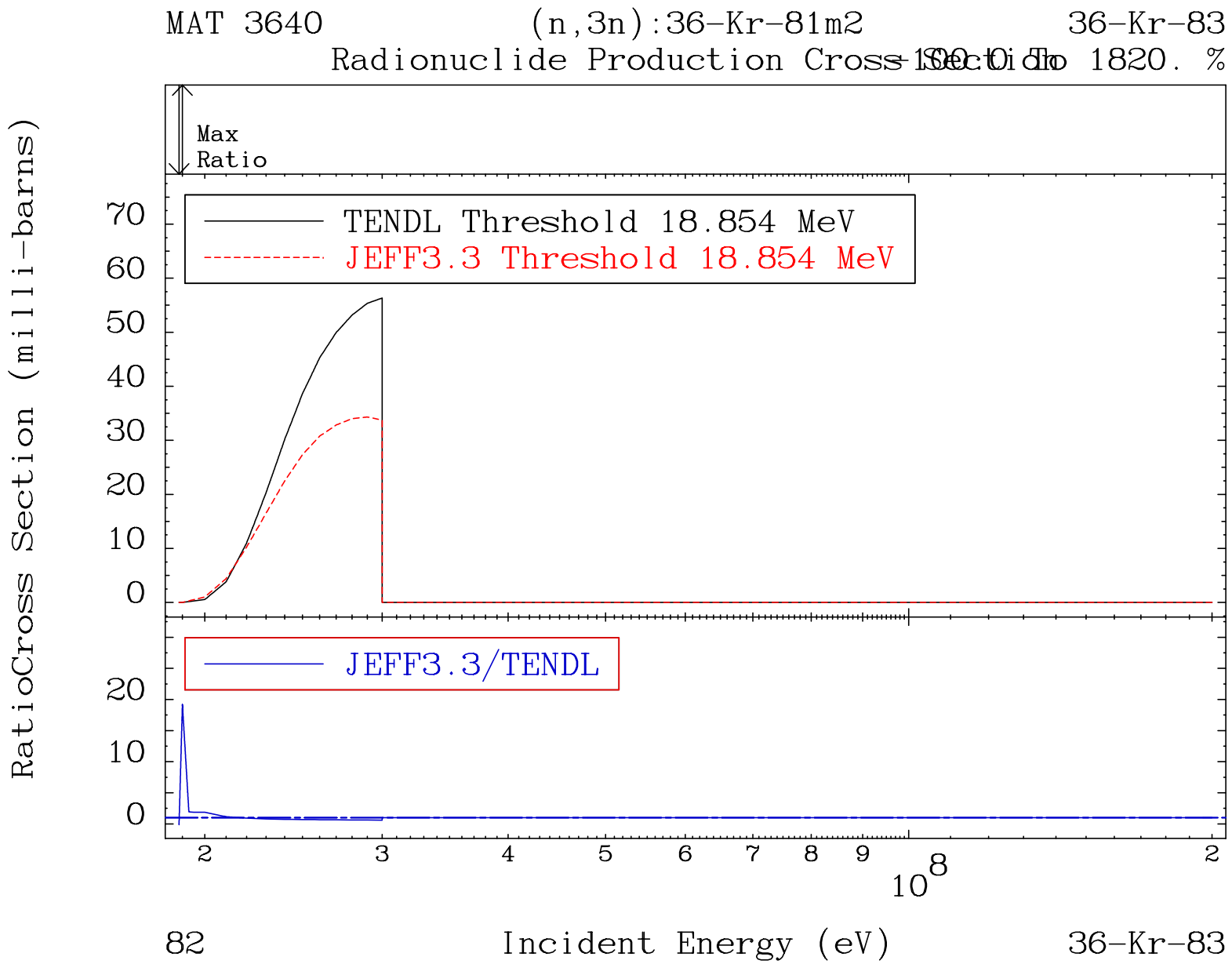

MAT 3640
Inelastic:36-Kr-83g
36-Kr-83
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL
JEFF3.3 Threshold 9.5194 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.2
0.6
0.0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
77
Incident Energy (eV)
36-Kr-83

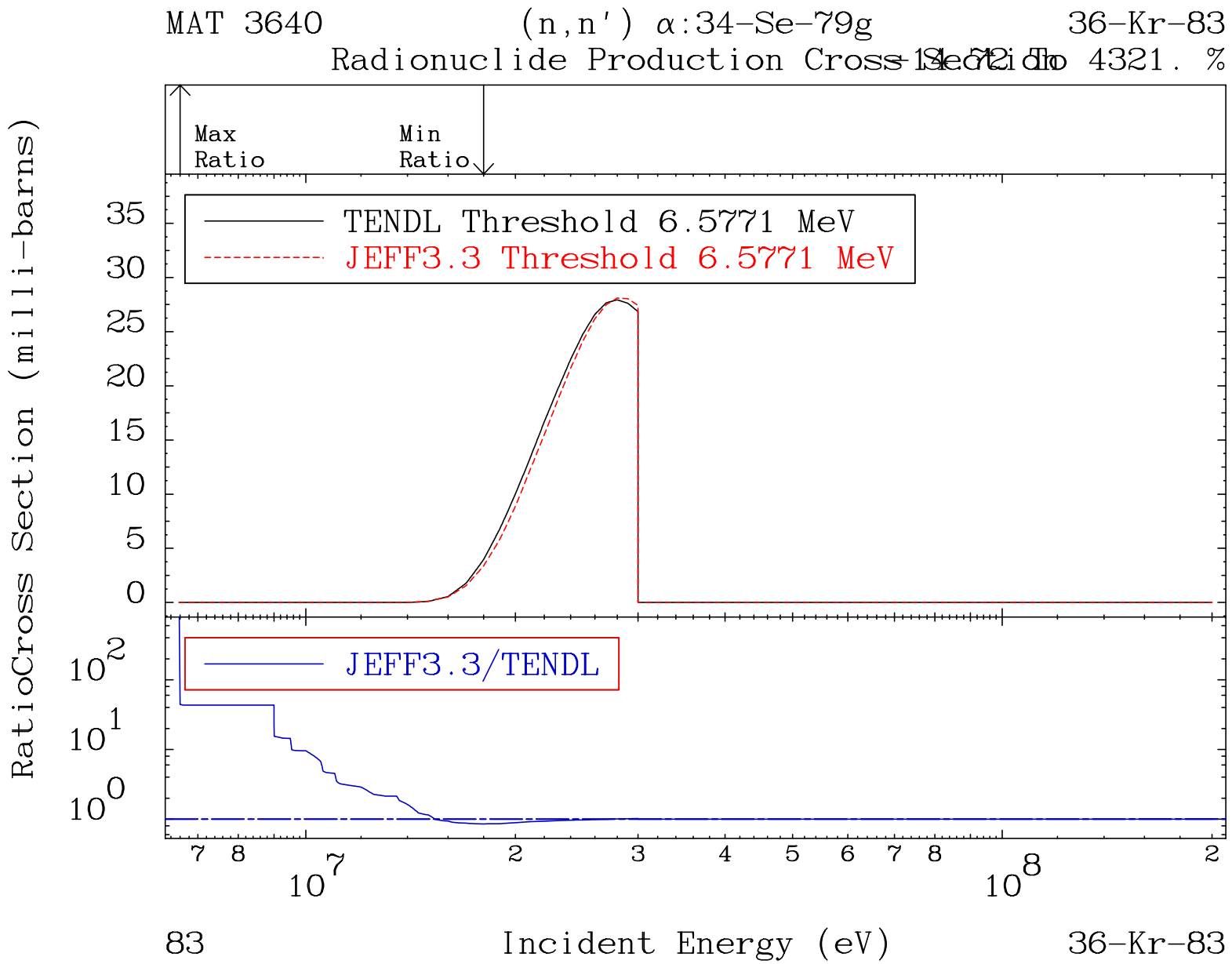

MAT 3640
Inelastic:36-Kr-83m2
36-Kr-83
Radionuclide Production Cross Section To 21.37 %
Min Ratio
Max Ratio
TENDL Threshold 42.064 keV
JEFF3.3 Threshold 42.064 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
1.4
1.2
1.0
0.8
5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
78
Incident Energy (eV)
36-Kr-83

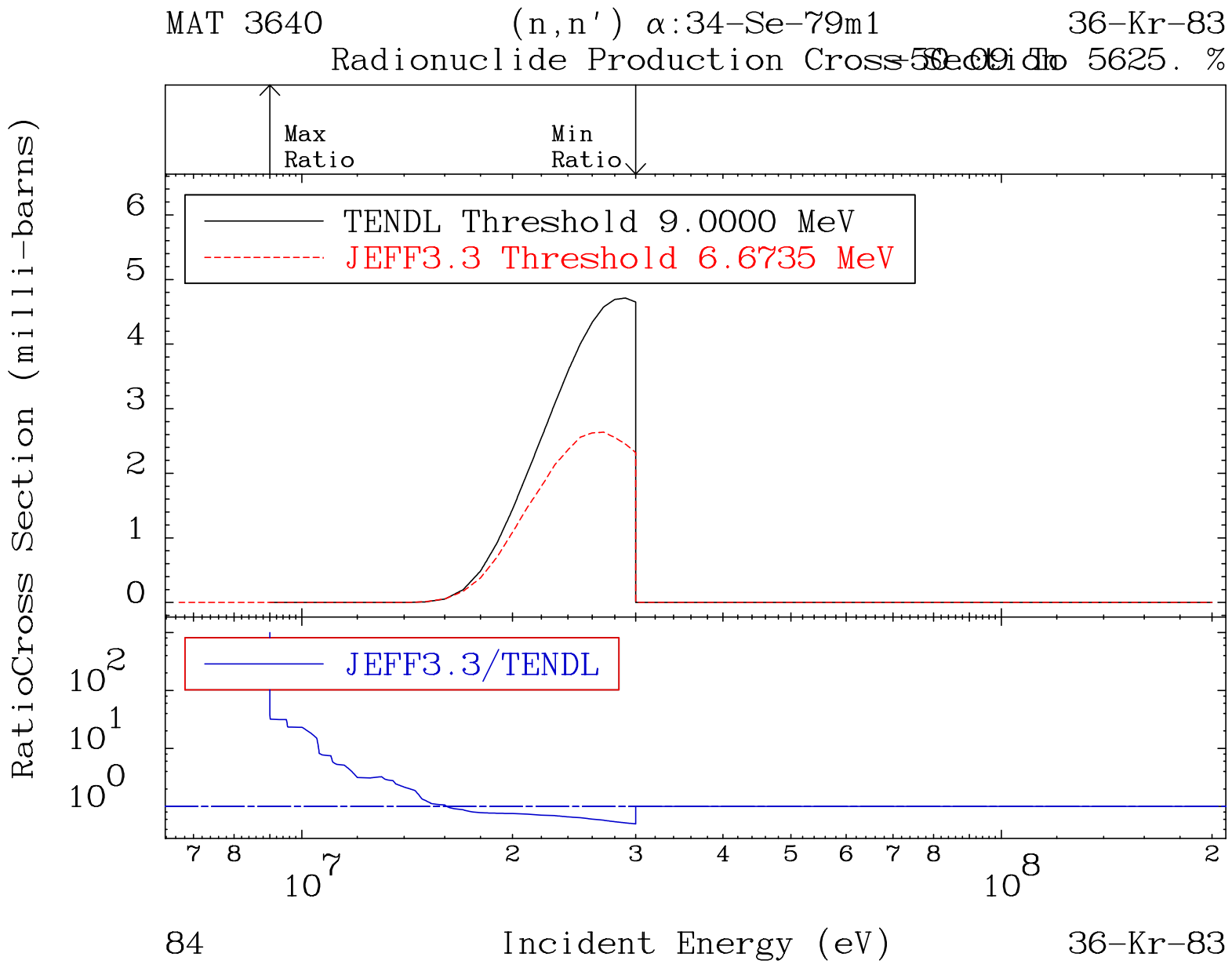

MAT 3640
(n,2n) d:35-Br-80g
36-Kr-83
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 25.617 MeV
JEFF3.3 Threshold 25.617 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
0
1
2
3
4
5
6
10^0
10^2
10^4
40
60
80
100
120
140
160
180
200
79
Incident Energy (MeV)
36-Kr-83

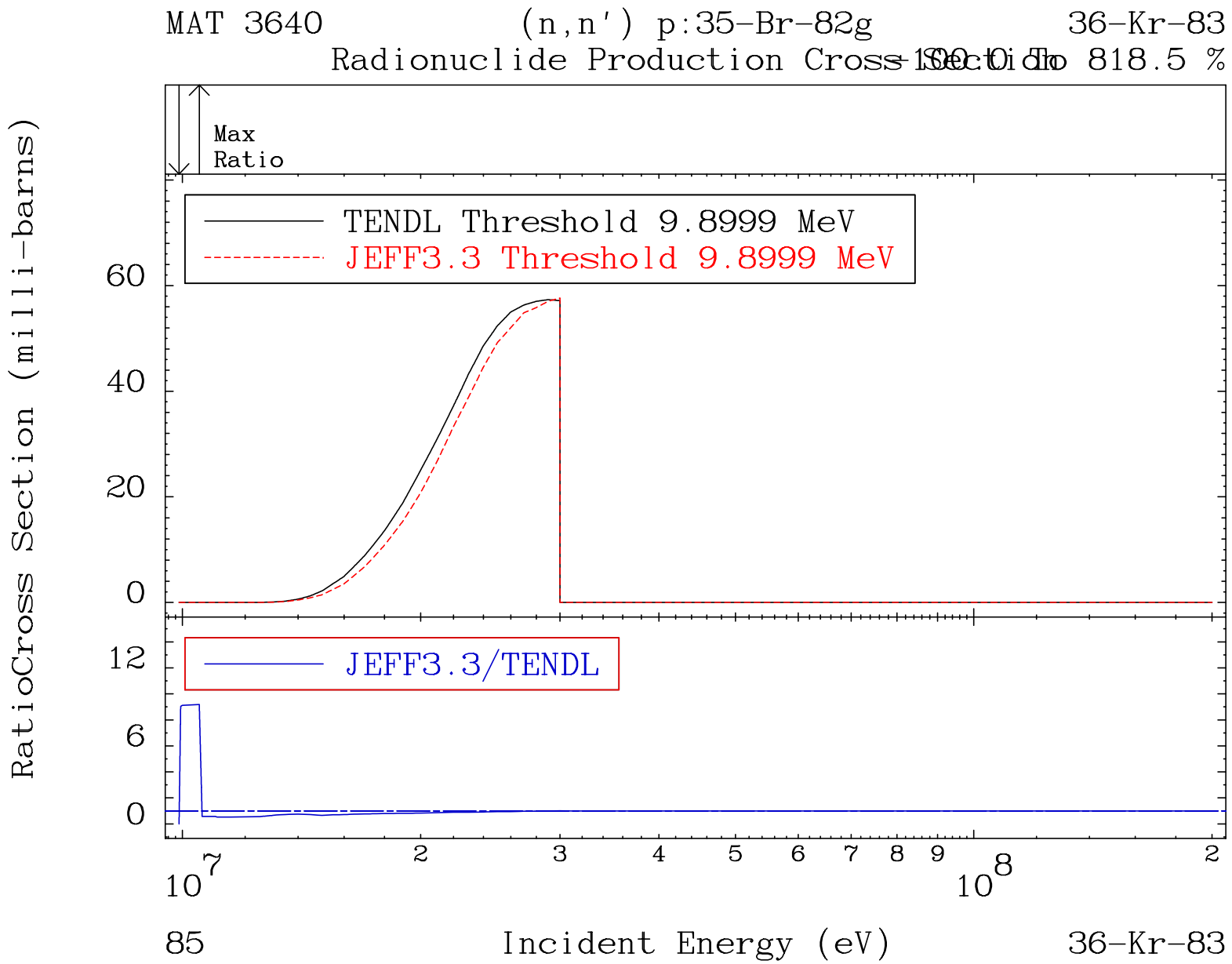

MAT 3640 (n,2n) d:35-Br-80m2 36-Kr-83
Radionuclide Production Cross Section
0.000 To 9999. %
Min
Ratio
TENDL Threshold 25.703 MeV
JEFF3.3 Threshold 25.703 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
12
10
8
6
4
2
0
10^4
10^2
10^0
40
60
80
100
120
140
160
180
200
80
Incident Energy (MeV)
36-Kr-83

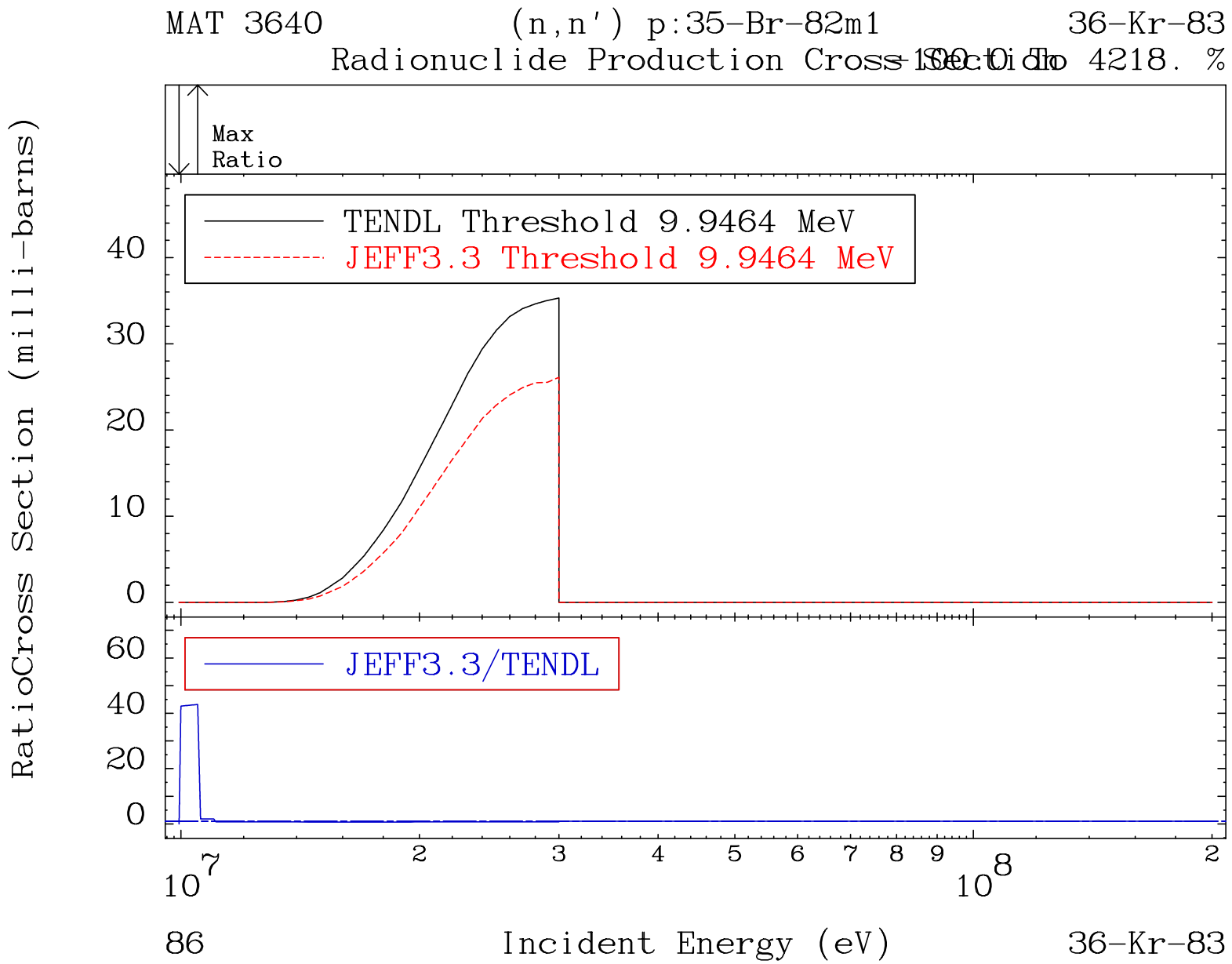

MAT 3640
(n,3n):36-Kr-81g
36-Kr-83
Radionuclide Production Cross Section To 378.5 %
Max
Ratio
800
600
400
200
0
TENDL Threshold 18.661 MeV
JEFF3.3 Threshold 18.661 MeV
JEFF3.3/TENDL
4
0
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (milli-barns)
81
Incident Energy (eV)
36-Kr-83

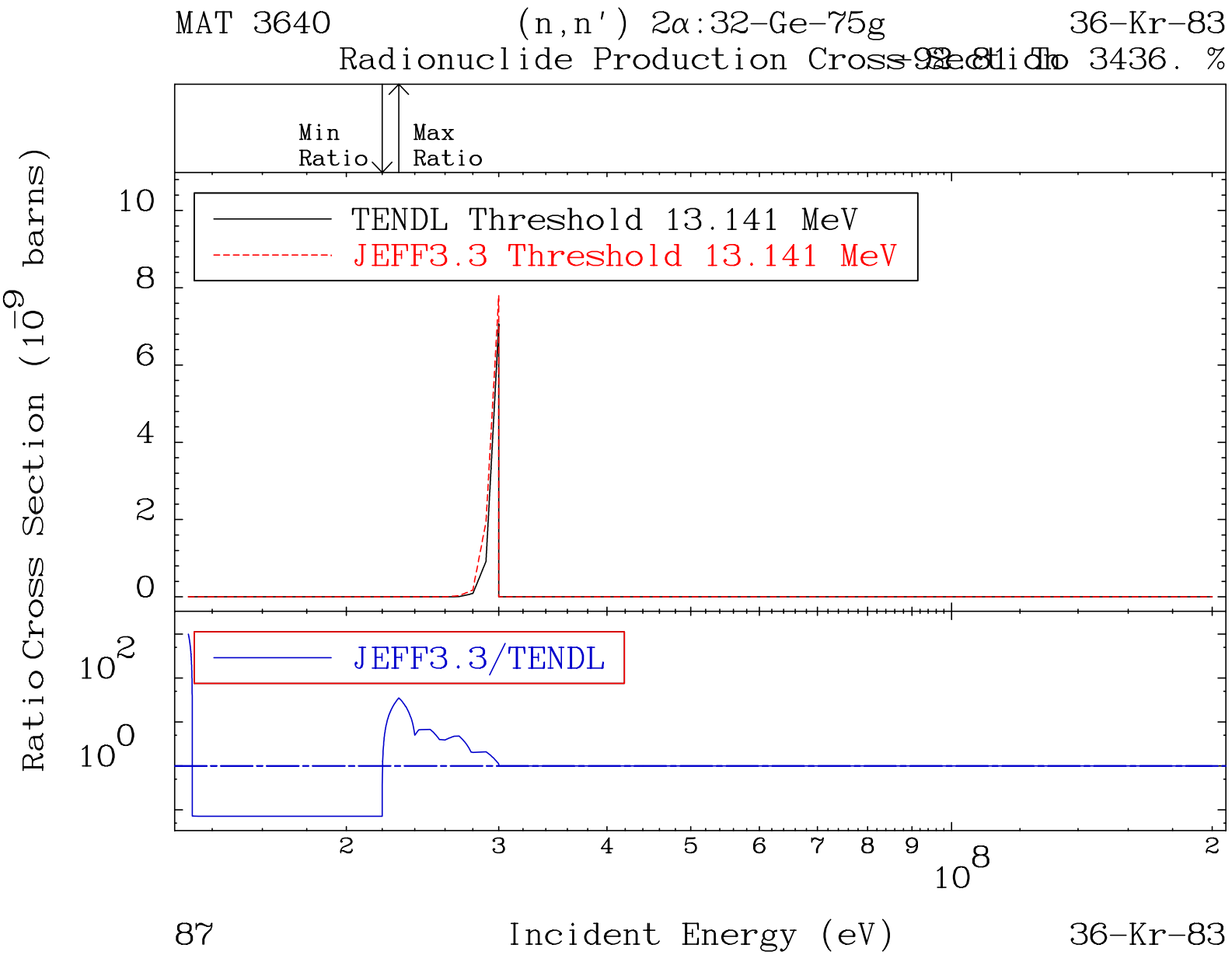

MAT 3640
(n,3n):36-Kr-81m2
36-Kr-83
Radionuclide Production Cross Section To 1820. %
Max
Ratio
TENDL Threshold 18.854 MeV
JEFF3.3 Threshold 18.854 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
20
10
0
2
3
4
5
6
7
8
9
2
10^8
82
Incident Energy (eV)
36-Kr-83

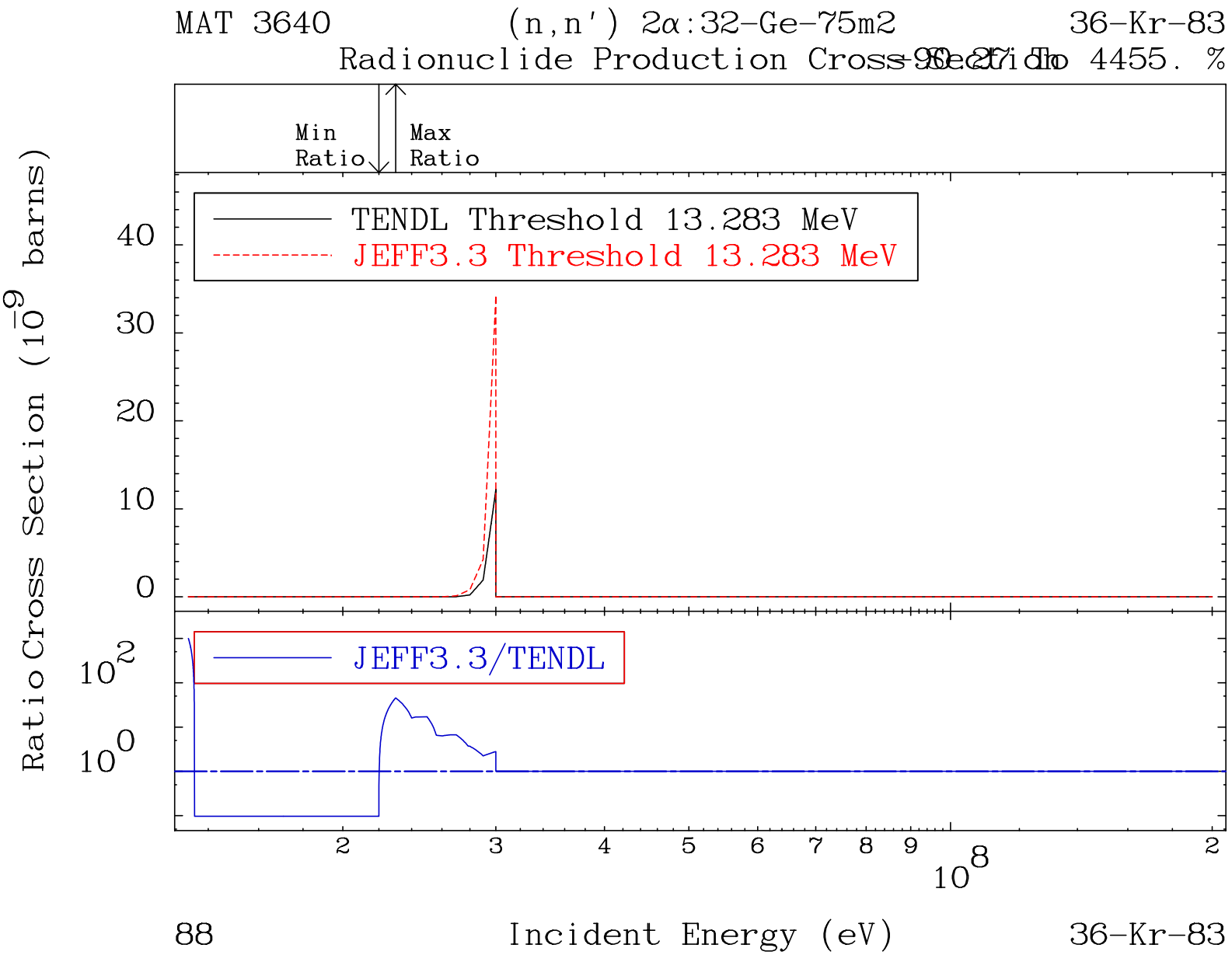

MAT 3640
(n,n') α:34-Se-79g
36-Kr-83
Radionuclide Production Cross Section To 4321. %
Max Ratio
Min Ratio
TENDL Threshold 6.5771 MeV
JEFF3.3 Threshold 6.5771 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
10^2
10^1
10^0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
83
Incident Energy (eV)
36-Kr-83

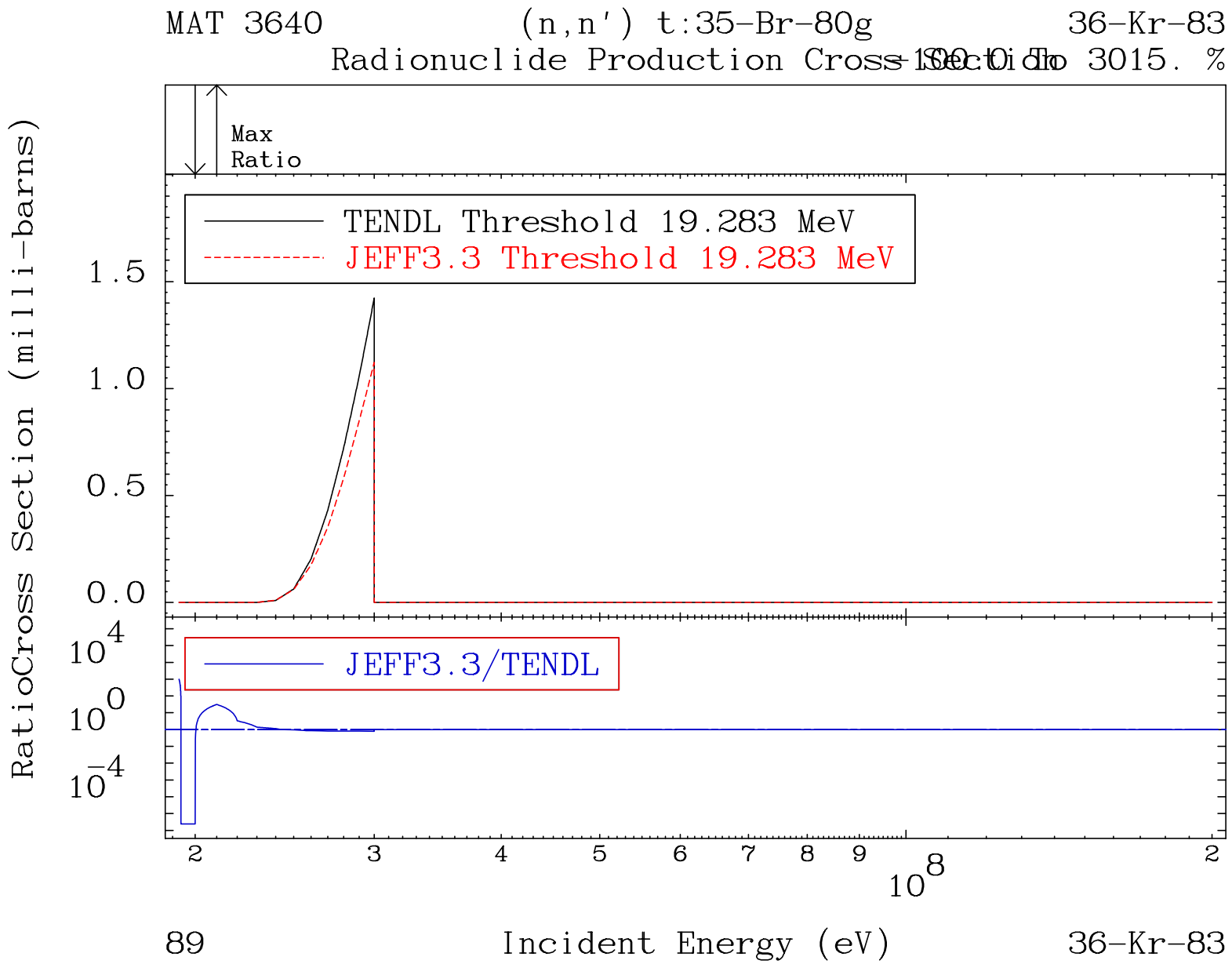

MAT 3640 (n,n') α:34-Se-79m1 36-Kr-83
Radionuclide Production Cross Section To 5625. %
Max Ratio
Min Ratio
TENDL Threshold 9.0000 MeV
JEFF3.3 Threshold 6.6735 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
84
36-Kr-83

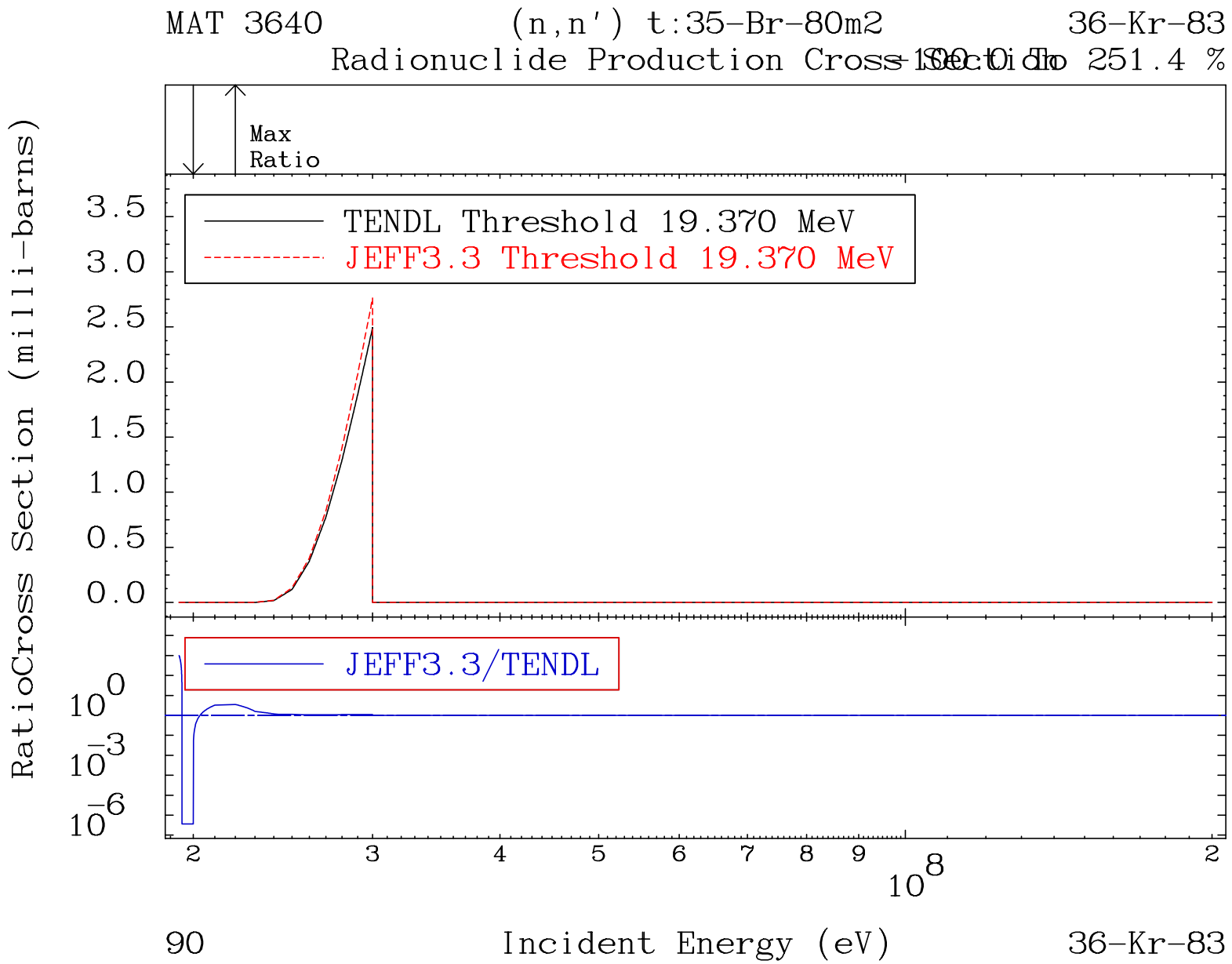

MAT 3640
(n,n') p:35-Br-82g
36-Kr-83
Radionuclide Production Cross Section To 818.5 %
Max
Ratio
TENDL Threshold 9.8999 MeV
JEFF3.3 Threshold 9.8999 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
40
20
0
12
6
0
10^7
2
3
4
5
6
7
8
9
10^8
2
85
Incident Energy (eV)
36-Kr-83

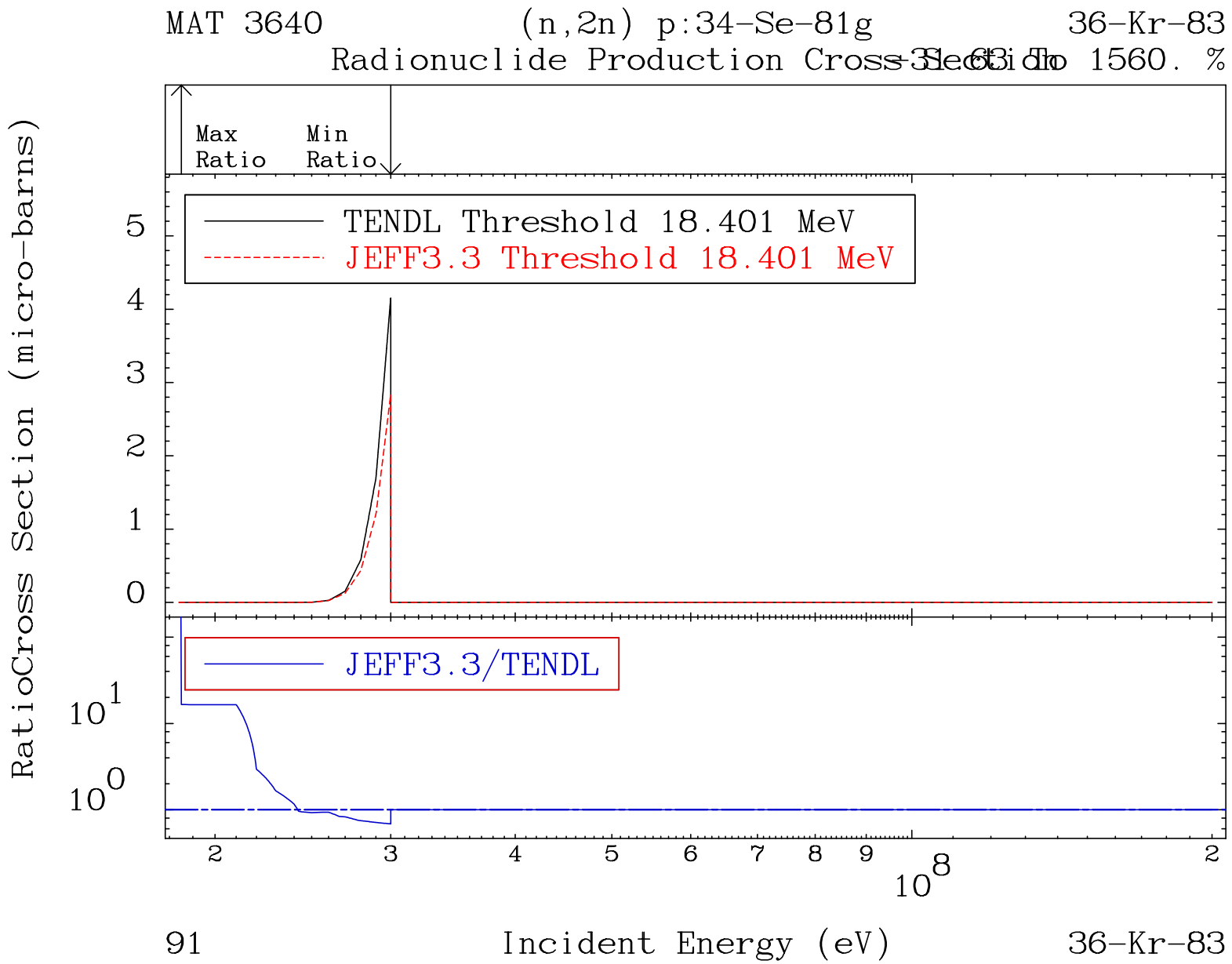

MAT 3640
(n,n') p:35-Br-82m1
36-Kr-83
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 9.9464 MeV
JEFF3.3 Threshold 9.9464 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
86
36-Kr-83

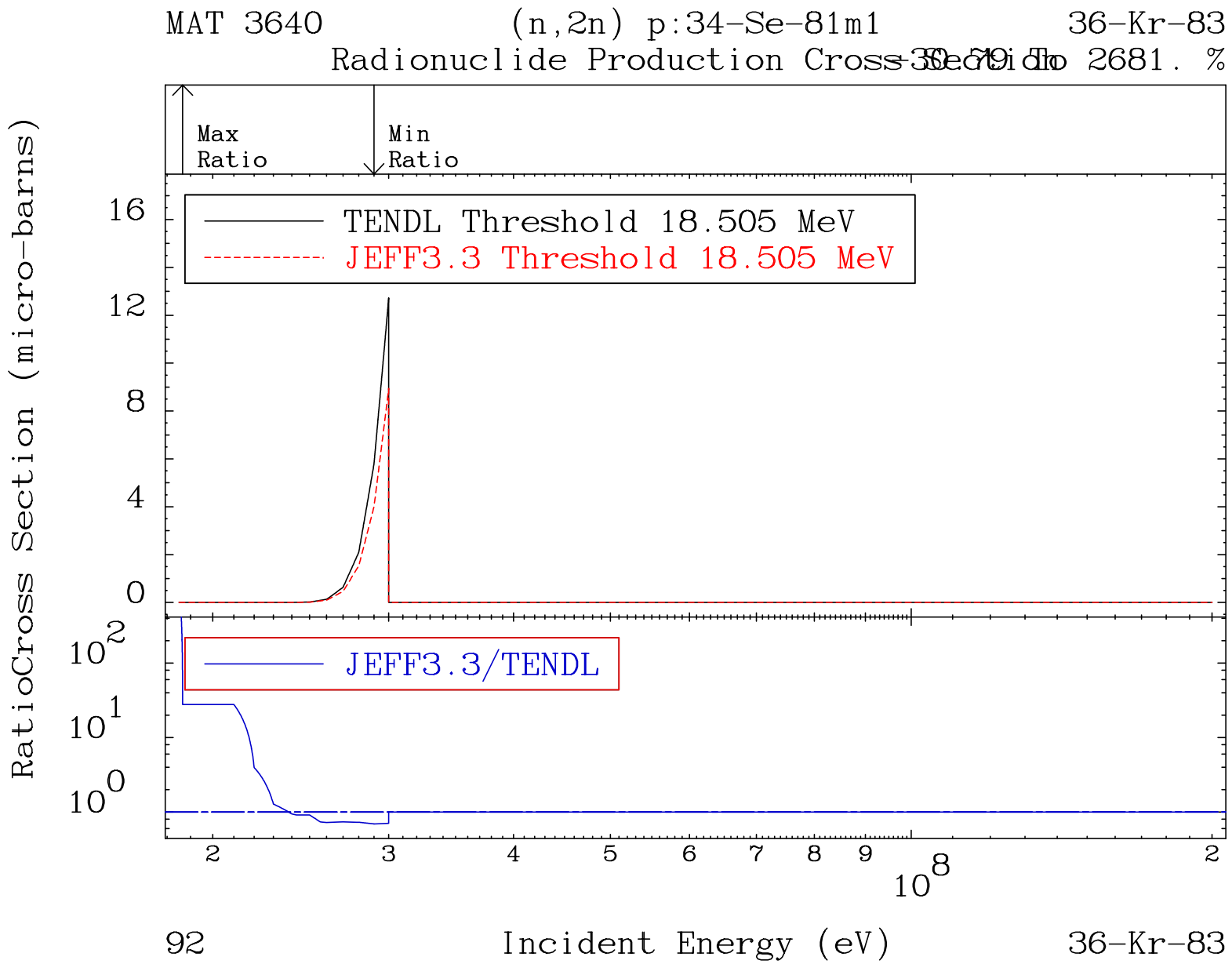

MAT 3640
(n,n') 2α:32-Ge-75g
36-Kr-83
Radionuclide Production Cross Section To 3436. %
Min Ratio
Max Ratio
TENDL Threshold 13.141 MeV
JEFF3.3 Threshold 13.141 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
Incident Energy (eV)
87
36-Kr-83

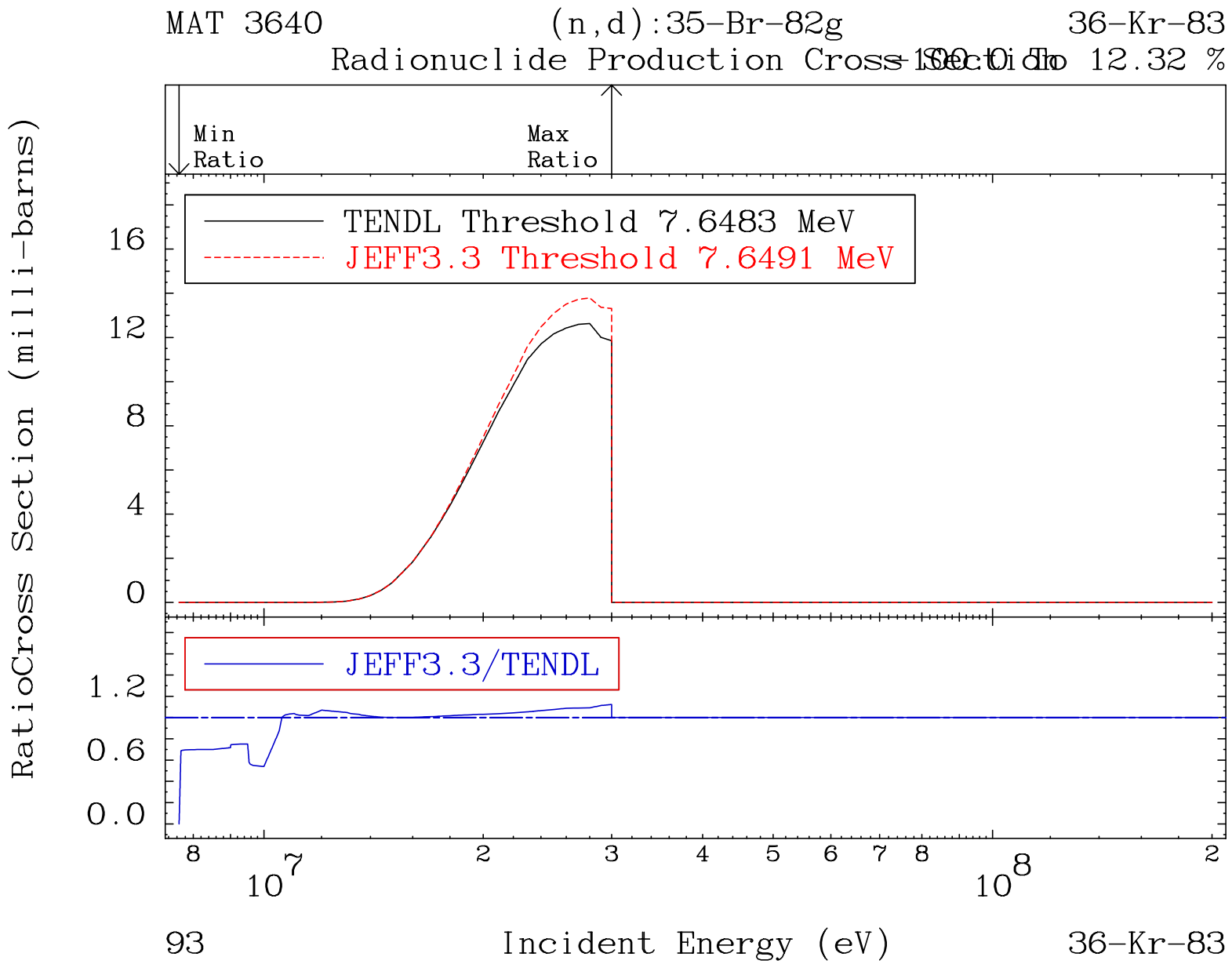

MAT 3640 (n,n') 2α:32-Ge-75m2 36-Kr-83
Radionuclide Production Cross Section To 4455. %
Min Ratio
Max Ratio
TENDL Threshold 13.283 MeV
JEFF3.3 Threshold 13.283 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
40
30
20
10
0
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
88
Incident Energy (eV)
36-Kr-83

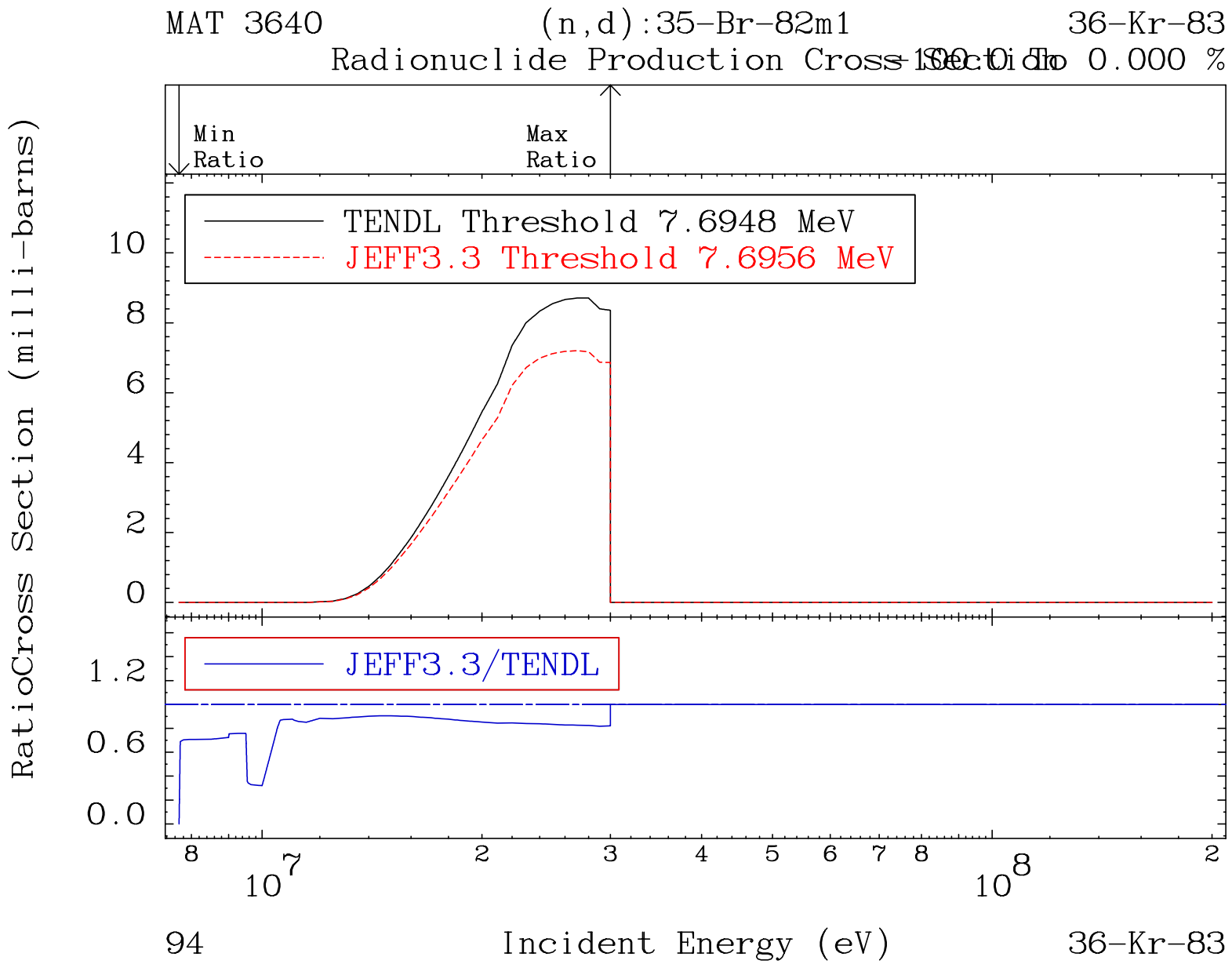

MAT 3640
(n,n') t:35-Br-80g
36-Kr-83
Radionuclide Production Cross Section To 3015. %
Max
Ratio
TENDL Threshold 19.283 MeV
JEFF3.3 Threshold 19.283 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.5
1.0
0.5
0.0
10^4
10^0
10^-4
2
3
4
5
6
7
8
9
10^8
2
89
Incident Energy (eV)
36-Kr-83

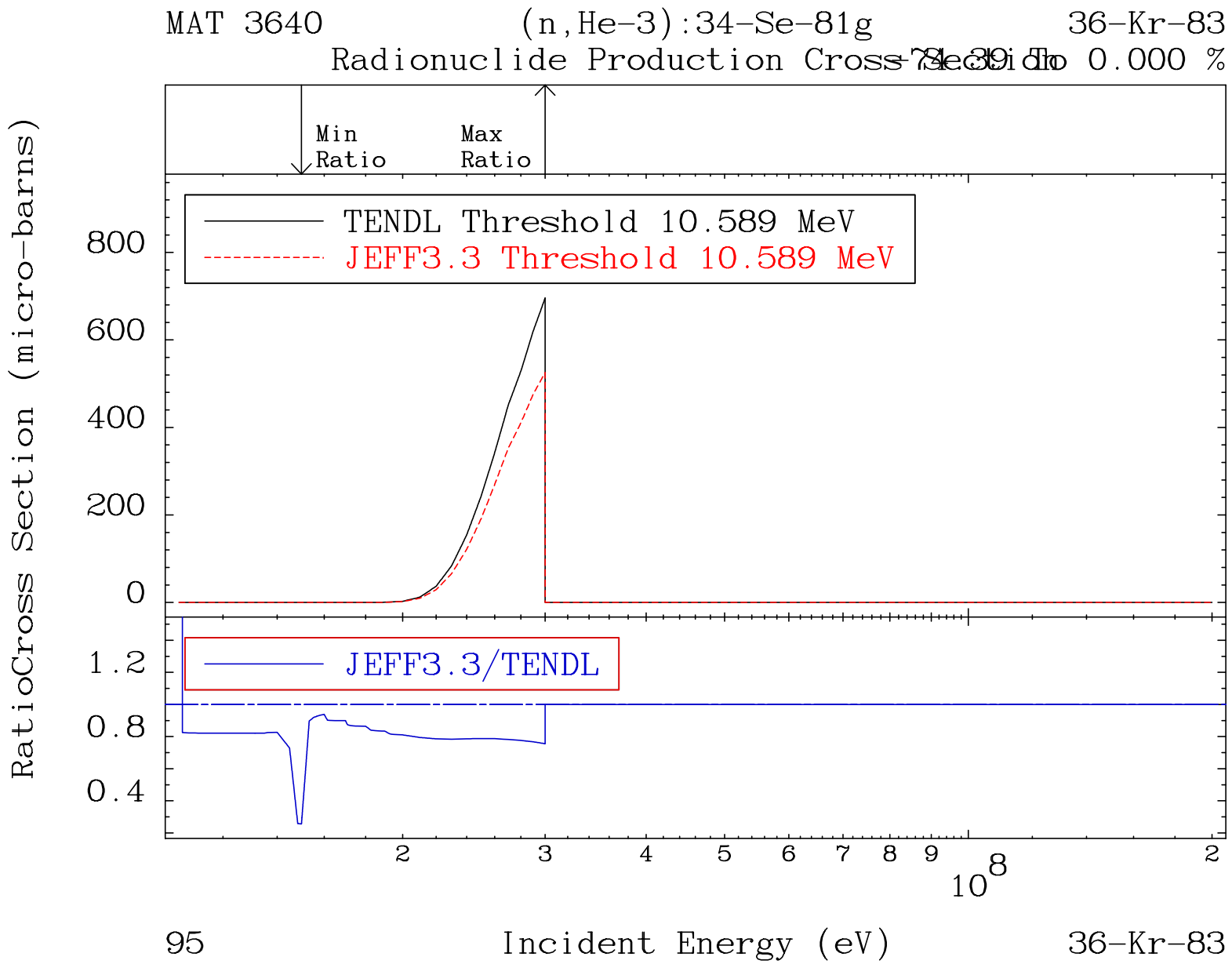

MAT 3640
(n,n') t:35-Br-80m2
36-Kr-83
Radionuclide Production Cross Section To 251.4 %
Max
Ratio
TENDL Threshold 19.370 MeV
JEFF3.3 Threshold 19.370 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
10^0
10^-3
10^-6
2
3
4
5
6
7
8
9
10^8
2
90
Incident Energy (eV)
36-Kr-83

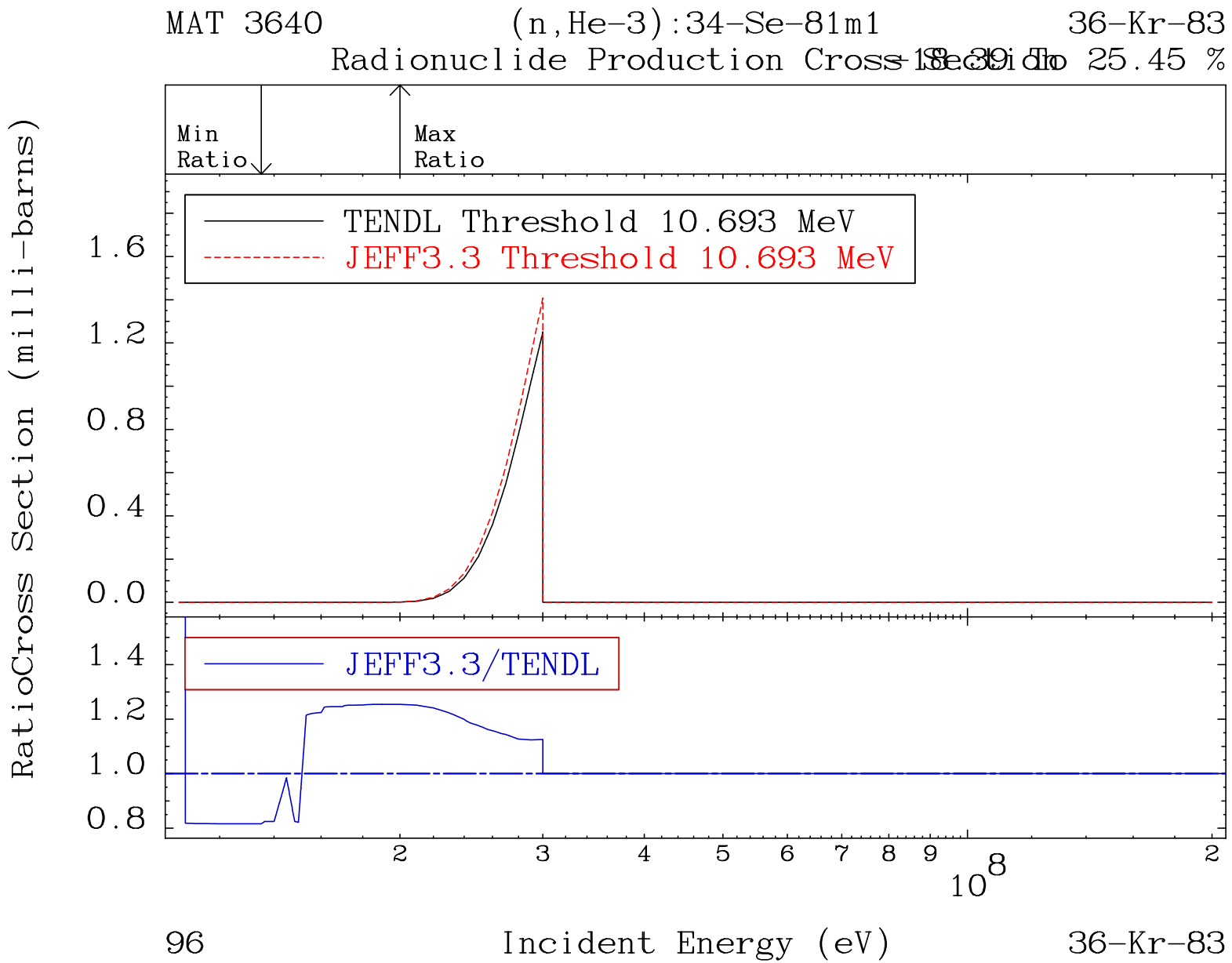

MAT 3640
(n,2n) p:34-Se-81g
36-Kr-83
Radionuclide Production Cross Section To 1560. %
Max Ratio
Min Ratio
TENDL Threshold 18.401 MeV
JEFF3.3 Threshold 18.401 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
91
36-Kr-83

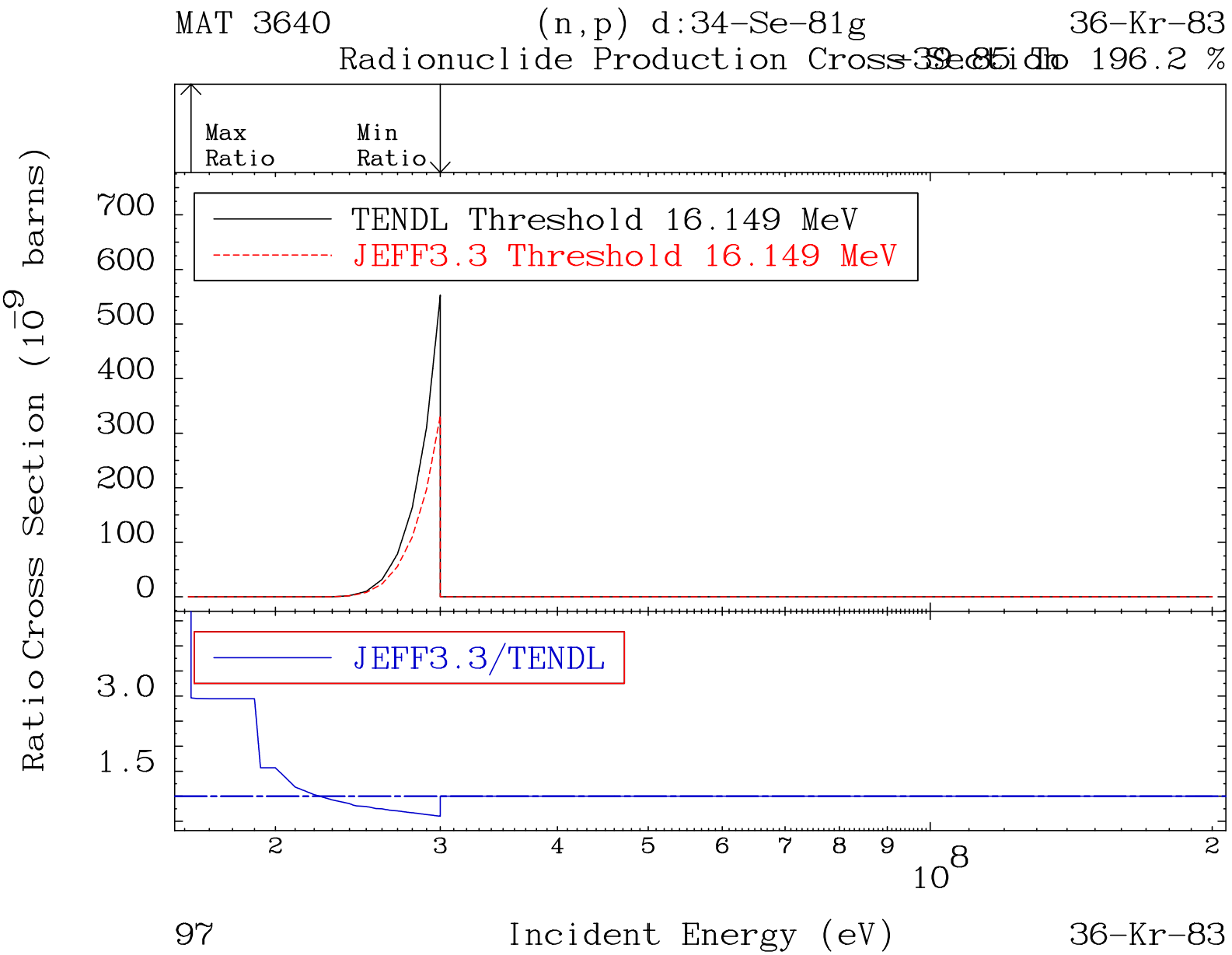

MAT 3640
(n,2n) p:34-Se-81m1
36-Kr-83
Radionuclide Production Cross Section To 2681. %
Max Ratio
Min Ratio
TENDL Threshold 18.505 MeV
JEFF3.3 Threshold 18.505 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
16
12
8
4
0
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
92
Incident Energy (eV)
36-Kr-83

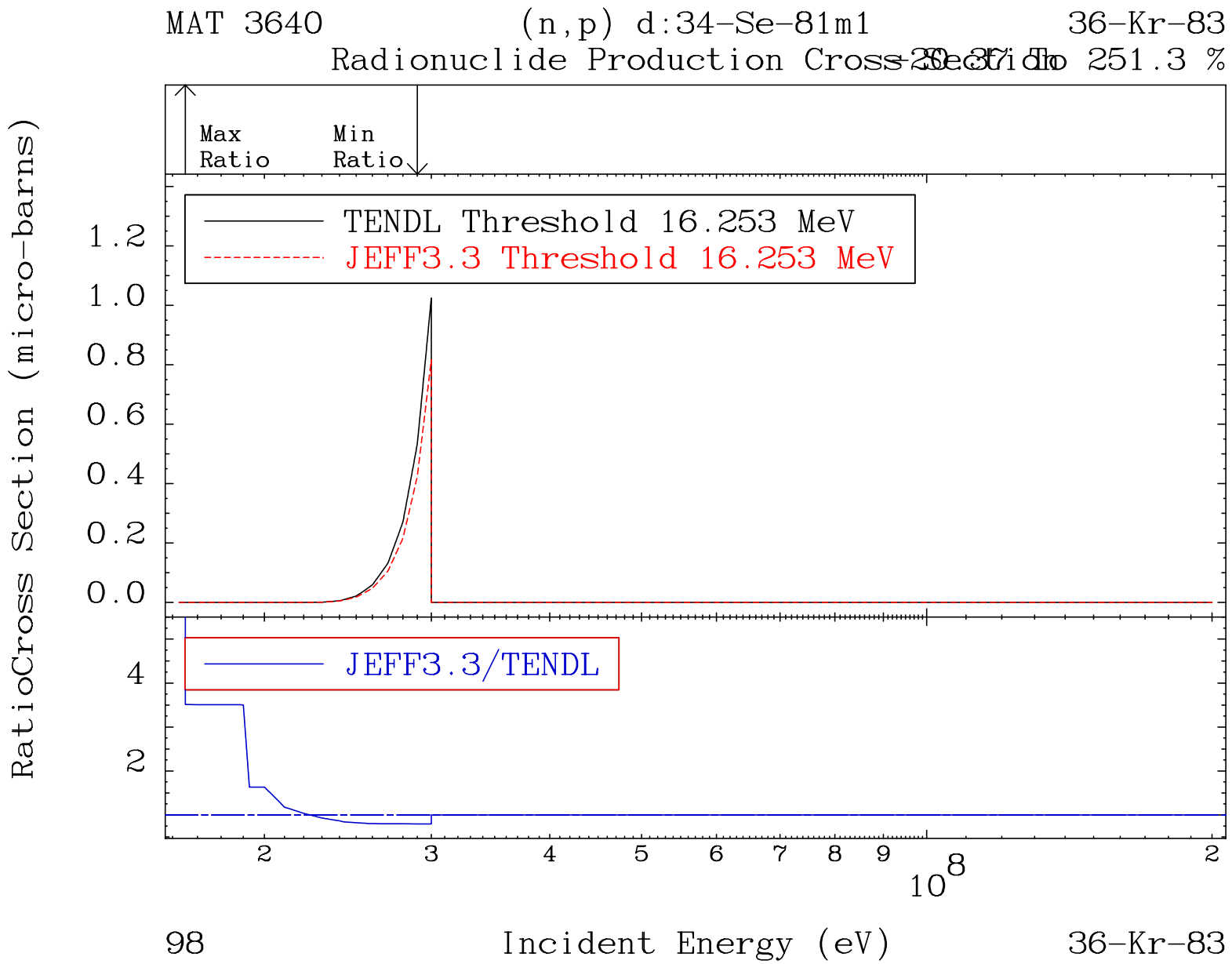

MAT 3640
(n,d):35-Br-82g
36-Kr-83
Radionuclide Production Cross Section To 12.32 %
Min Ratio
Max Ratio
TENDL Threshold 7.6483 MeV
JEFF3.3 Threshold 7.6491 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
1.2
0.6
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
93
Incident Energy (eV)
36-Kr-83


MAT 3640
(n,d):35-Br-82m1
36-Kr-83
Radionuclide Production Cross Section
Uncertainty 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 7.6948 MeV
JEFF3.3 Threshold 7.6956 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
1.2
0.6
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
94
Incident Energy (eV)
36-Kr-83


MAT 3640
(n,He-3):34-Se-81g
36-Kr-83
Radionuclide Production Cross Section
Uncertainty 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 10.589 MeV
JEFF3.3 Threshold 10.589 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
800
600
400
200
0
1.2
0.8
0.4
2
3
4
5
6
7
8
9
10^8
2
95
Incident Energy (eV)
36-Kr-83


MAT 3640
(n,He-3):34-Se-81m1
36-Kr-83
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 10.693 MeV
JEFF3.3 Threshold 10.693 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
1.4
1.2
1.0
0.8
2
3
4
5
6
7
8
9
2
10^8
96
Incident Energy (eV)
36-Kr-83


MAT 3640
(n,p) d:34-Se-81g
36-Kr-83
Radionuclide Production Cross Section To 196.2 %
Max Ratio
Min Ratio
TENDL Threshold 16.149 MeV
JEFF3.3 Threshold 16.149 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
700
600
500
400
300
200
100
0
3.0
1.5
2
3
4
5
6
7
8
9
10^8
2
97
Incident Energy (eV)
36-Kr-83


MAT 3640
(n,p) d:34-Se-81m1
36-Kr-83
Radionuclide Production Cross Section To 251.3 %
Max Ratio
Min Ratio
TENDL Threshold 16.253 MeV
JEFF3.3 Threshold 16.253 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
4
2
2
3
4
5
6
7
8
9
10^8
2
98
Incident Energy (eV)
36-Kr-83