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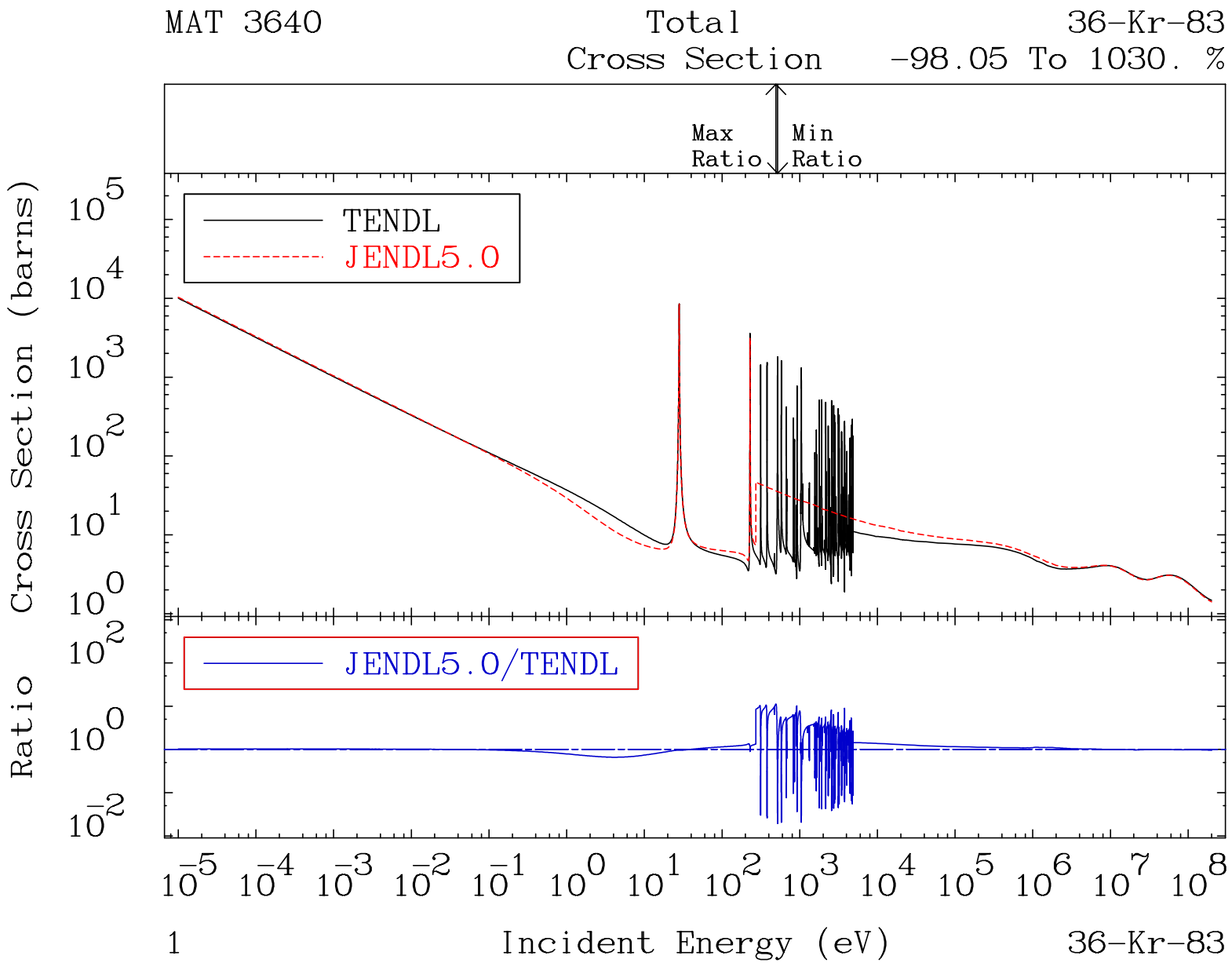
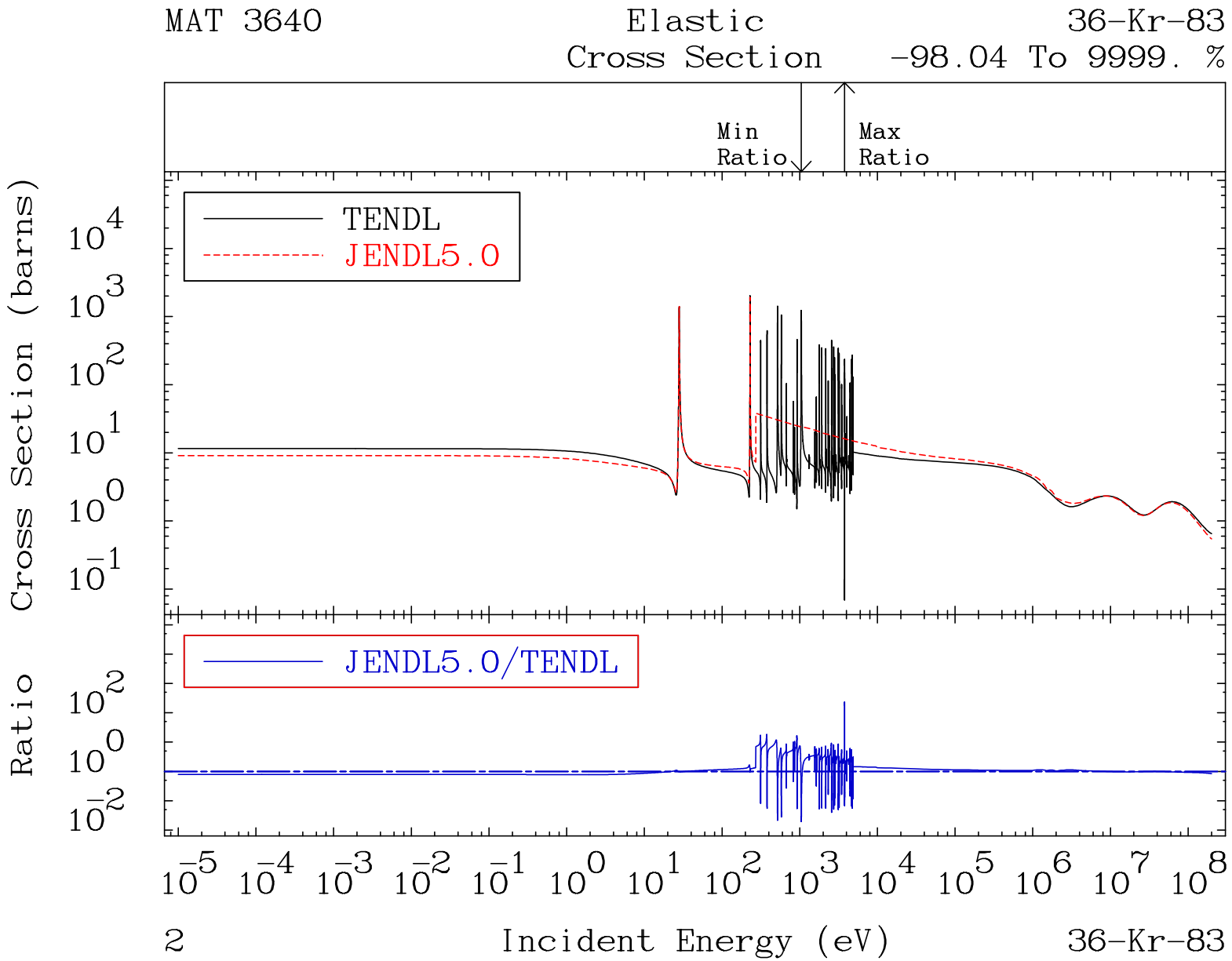
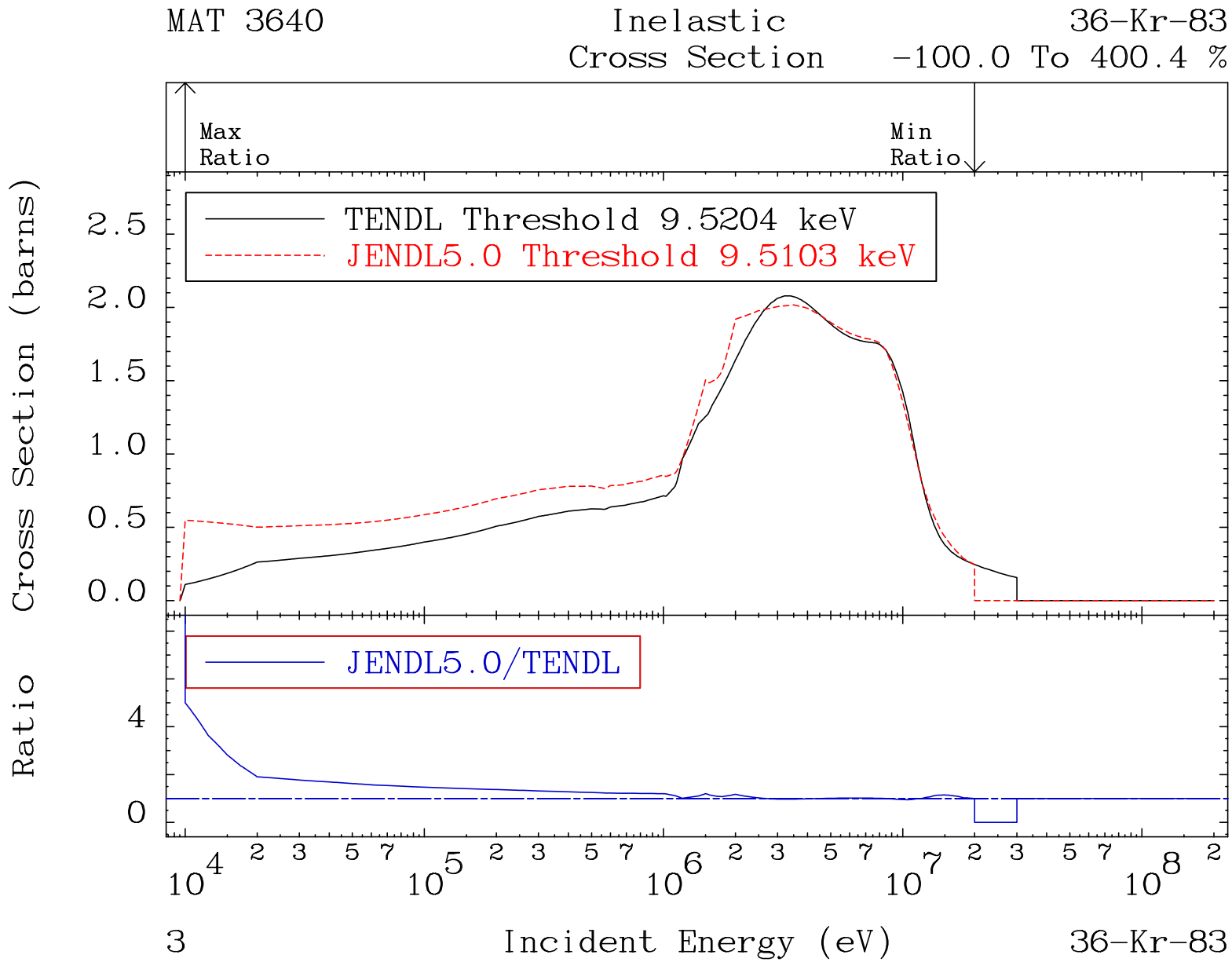
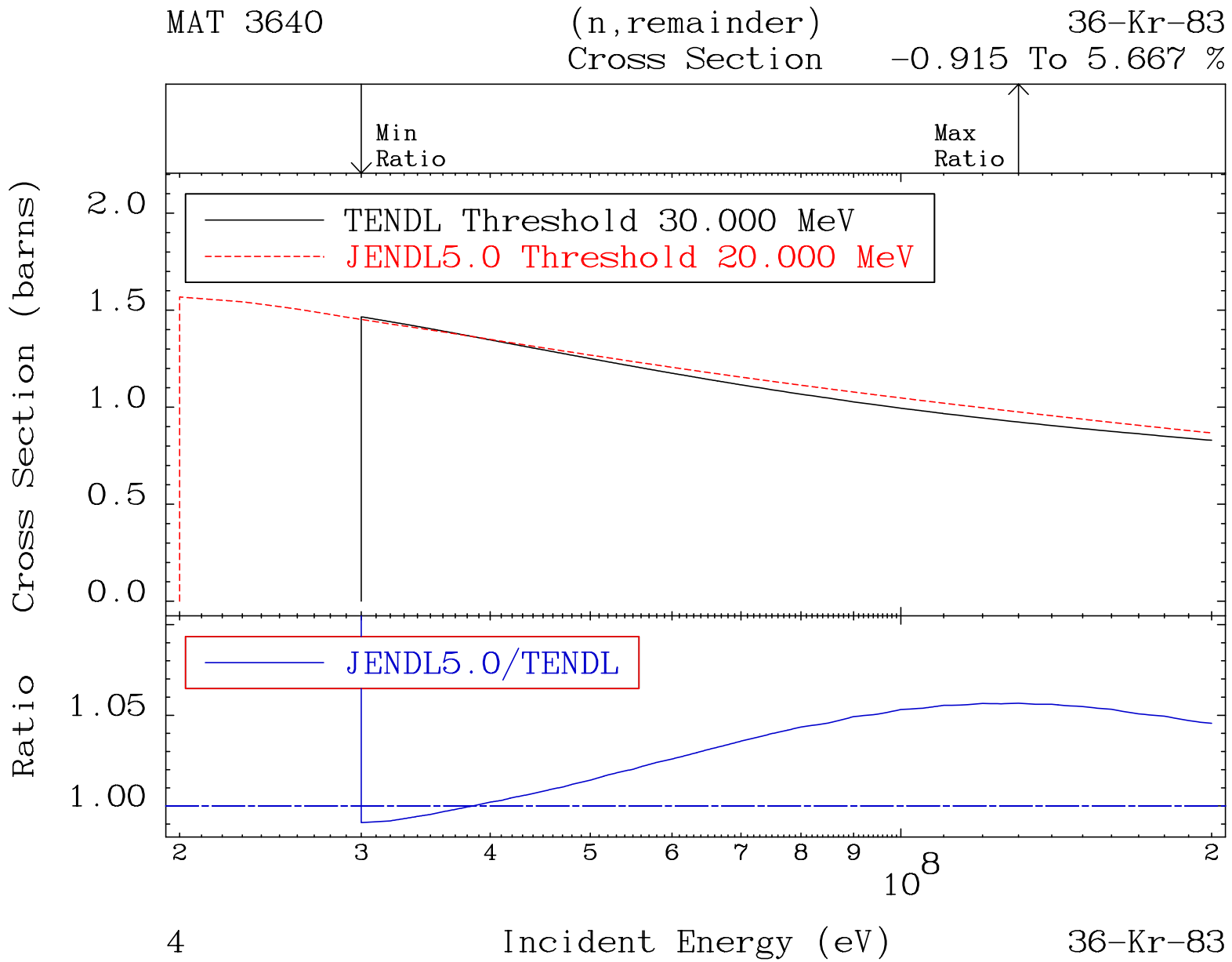
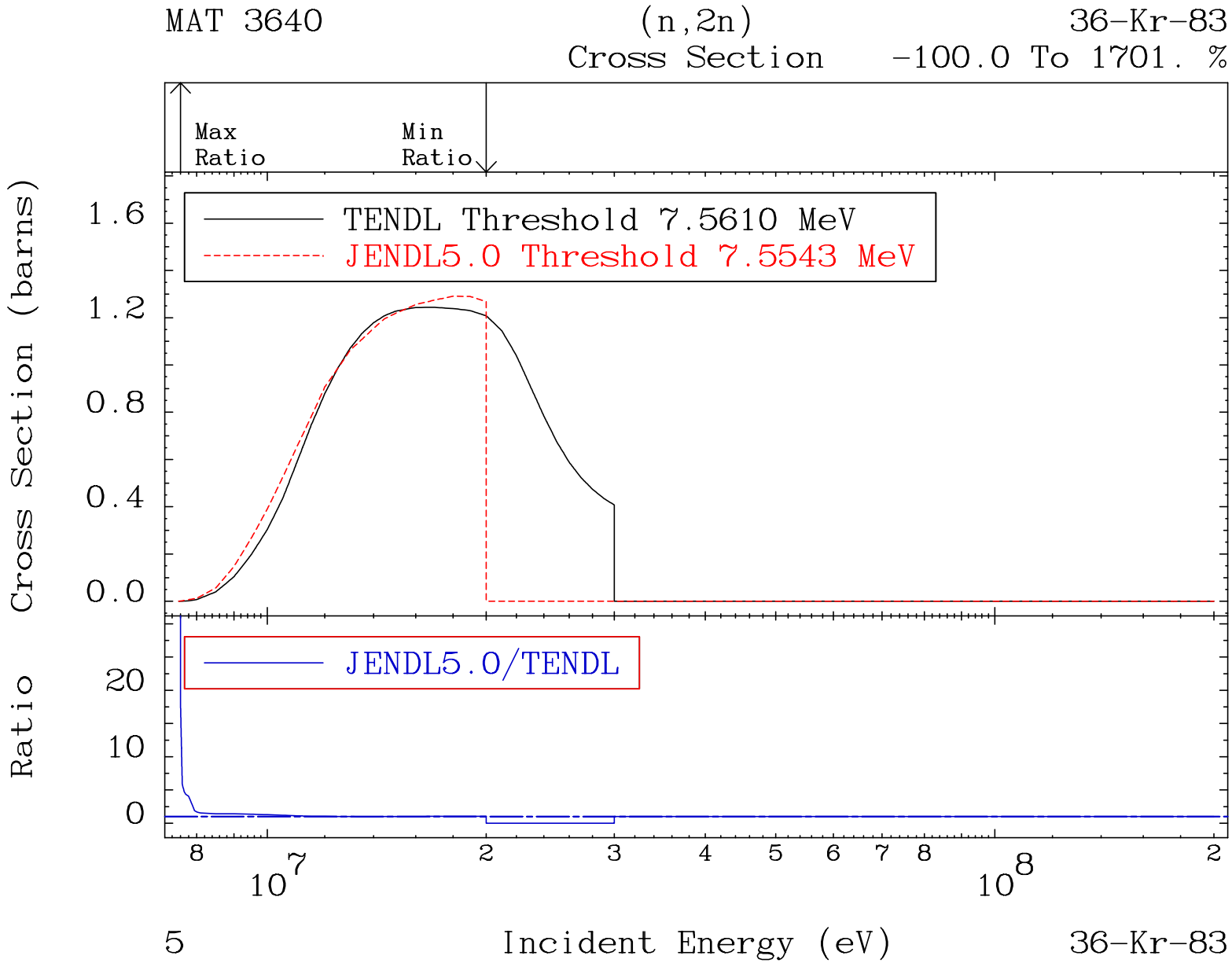
Press Mouse Button to Start

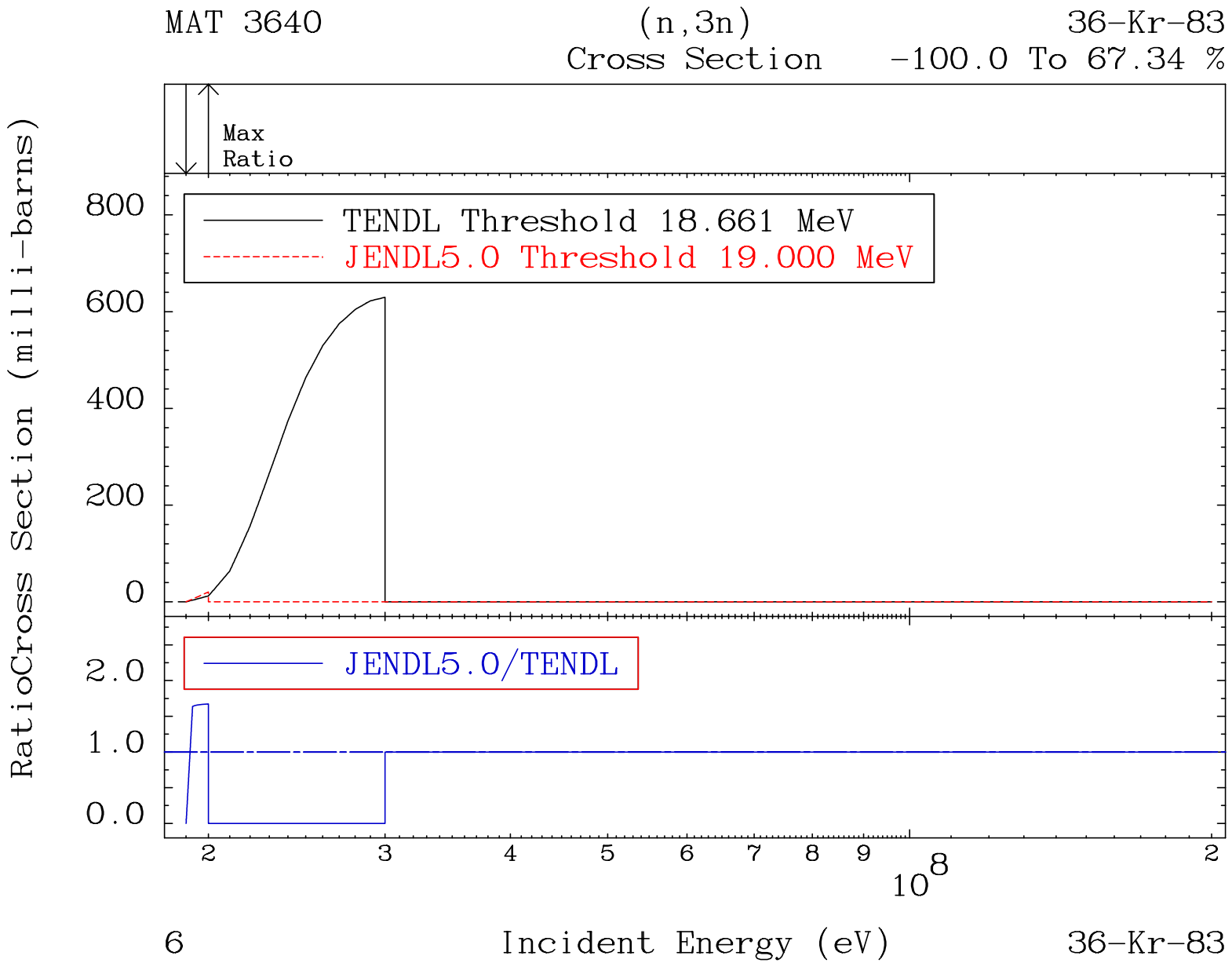

MAT 3640
Total
Cross Section
36-Kr-83
-98.05 To 1030. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
36-Kr-83

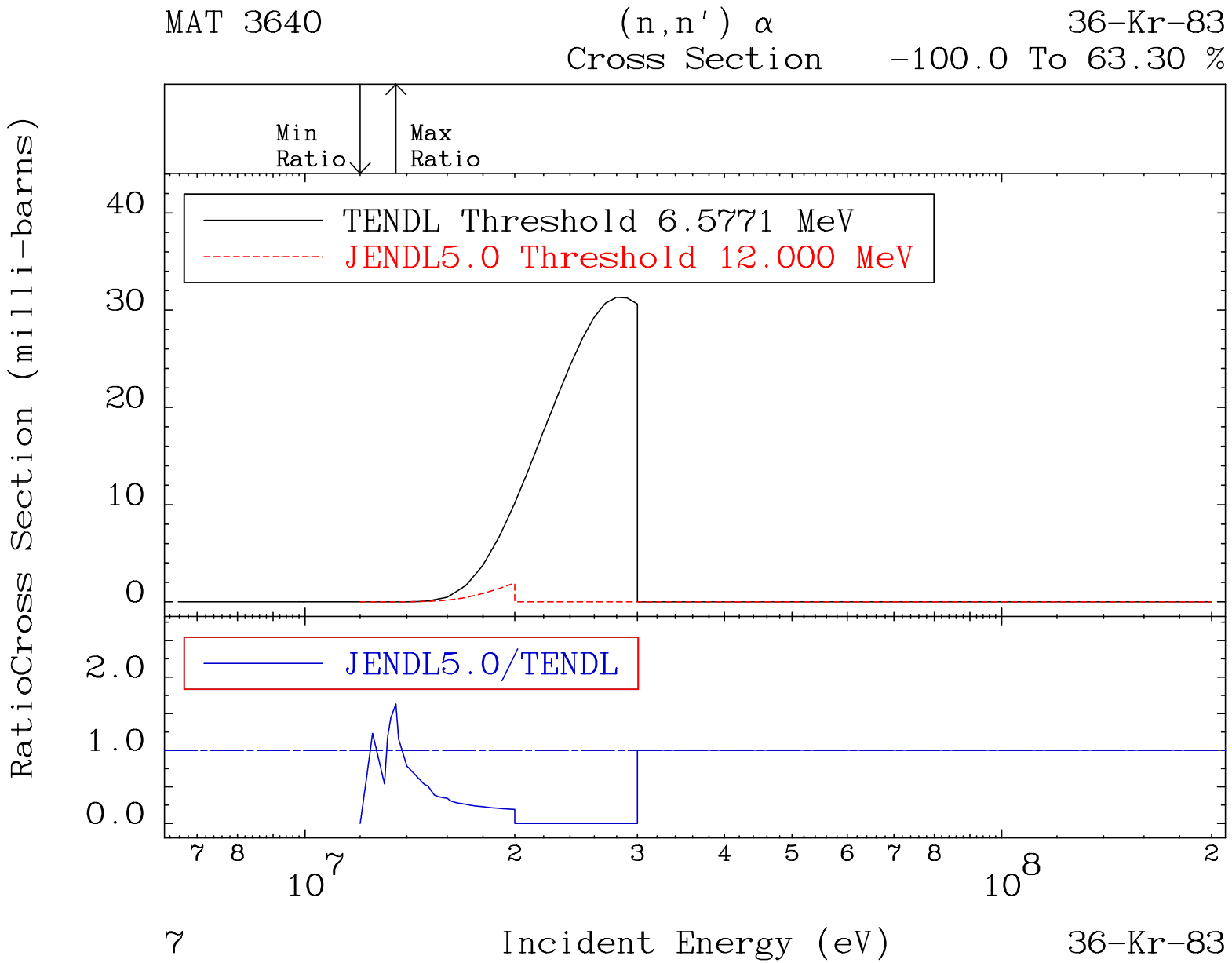

MAT 3640
Elastic
Cross Section
36-Kr-83
-98.04 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
36-Kr-83

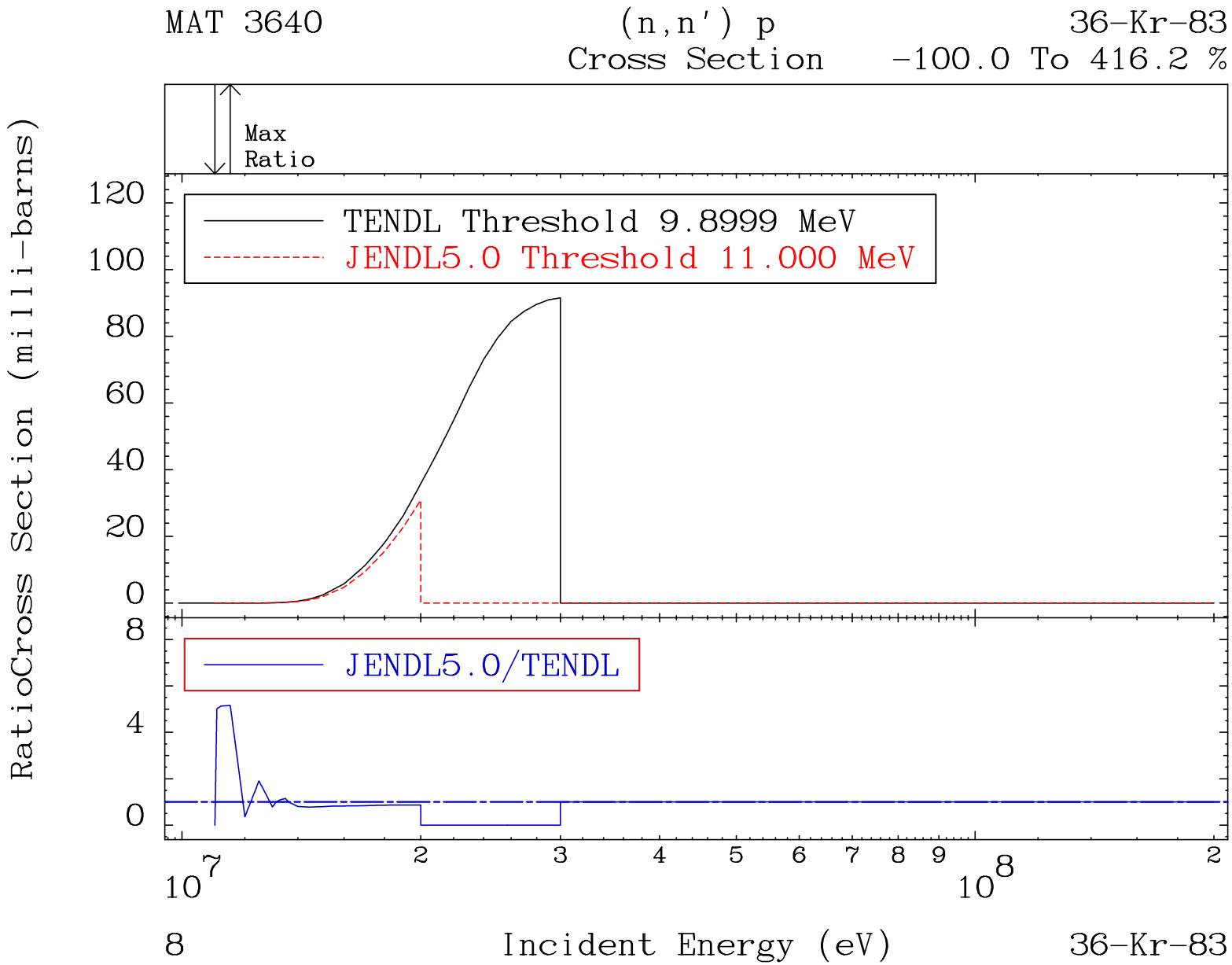

MAT 3640
Inelastic
Cross Section
36-Kr-83
-100.0 To 400.4 %
Max
Ratio
Min
Ratio
TENDL Threshold 9.5204 keV
JENDL5.0 Threshold 9.5103 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
4
0
10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
3
Incident Energy (eV)
36-Kr-83

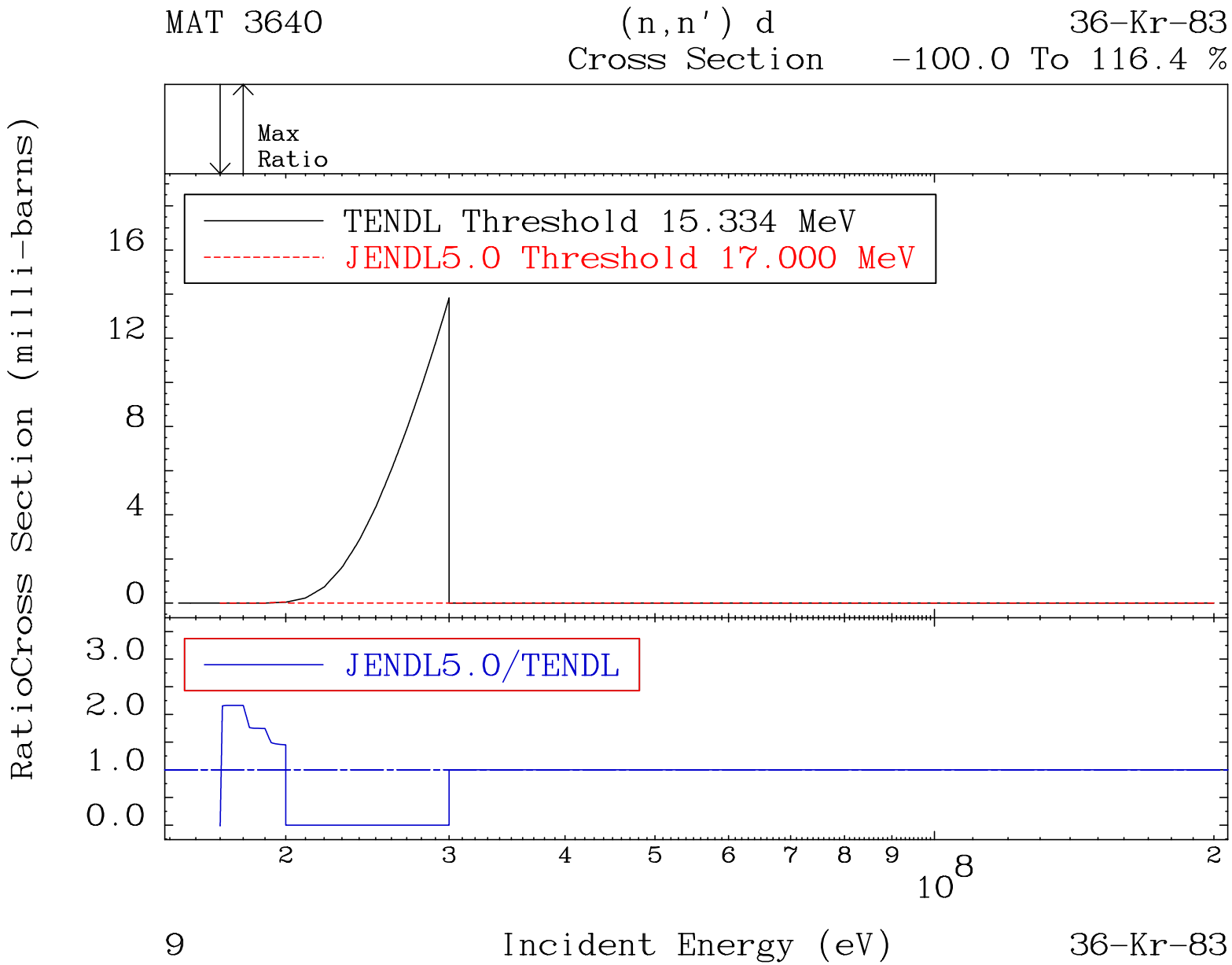

MAT 3640
(n,remainder)
Cross Section
36-Kr-83
-0.915 To 5.667 %
Min
Ratio
Max
Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.05
1.00
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
36-Kr-83

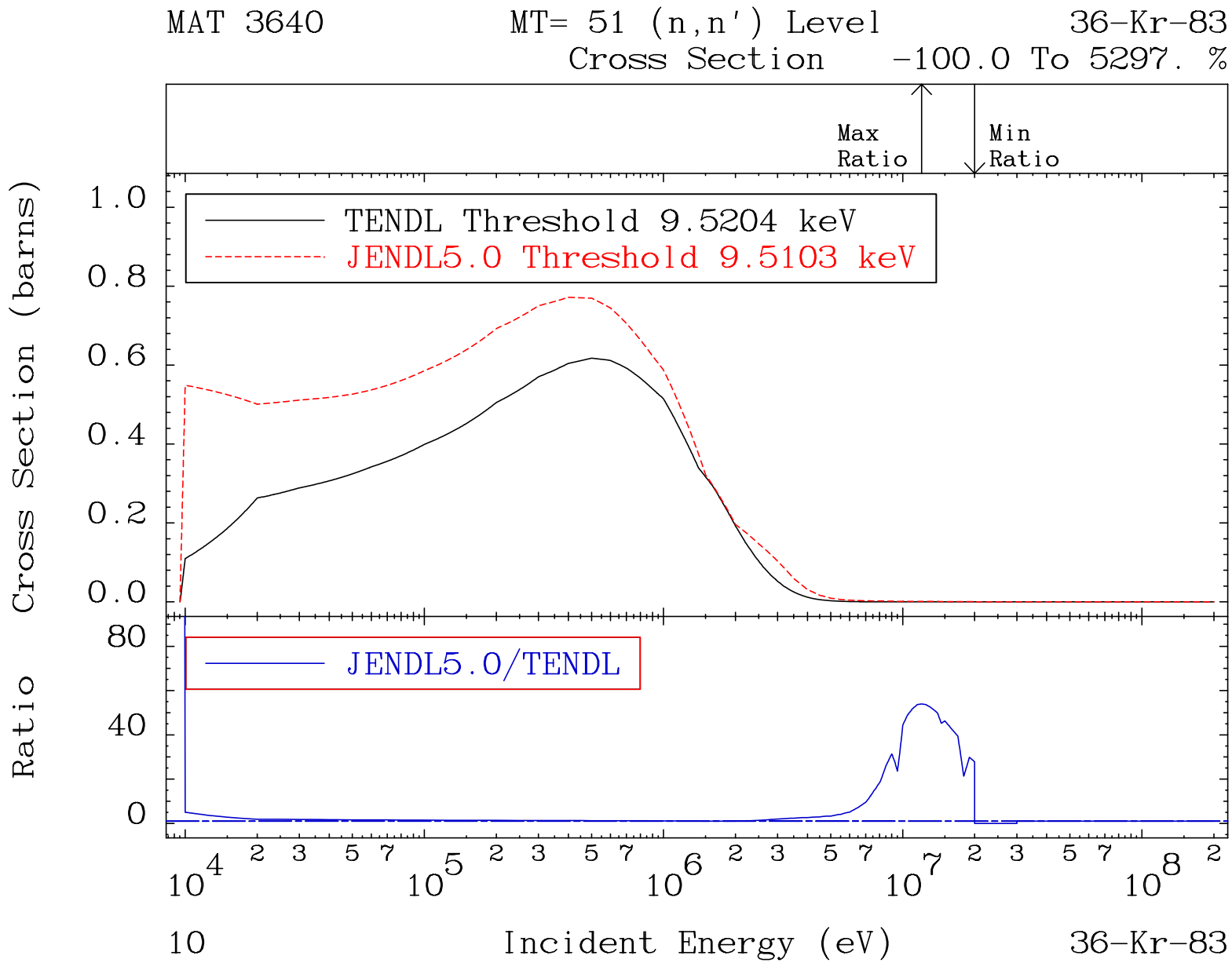

MAT 3640
(n,2n)
Cross Section
36-Kr-83
-100.0 To 1701. %
Max Ratio
Min Ratio
TENDL Threshold 7.5610 MeV
JENDL5.0 Threshold 7.5543 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
20
10
0
8
2
3
4
5
6
7
8
10^7
10^8
2
5
Incident Energy (eV)
36-Kr-83

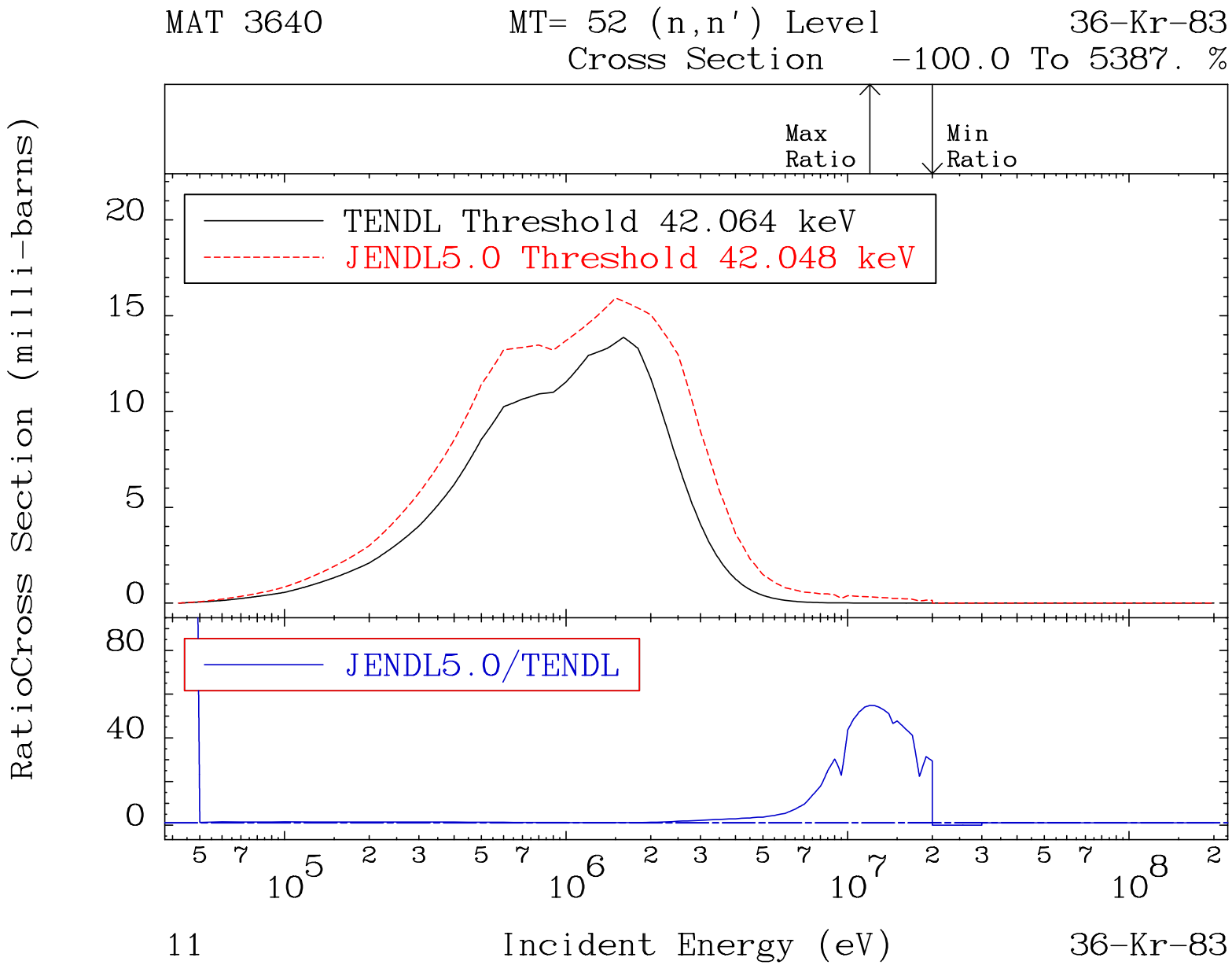

MAT 3640
(n,3n)
Cross Section
36-Kr-83
-100.0 To 67.34 %
Max
Ratio
TENDL Threshold 18.661 MeV
JENDL5.0 Threshold 19.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
36-Kr-83

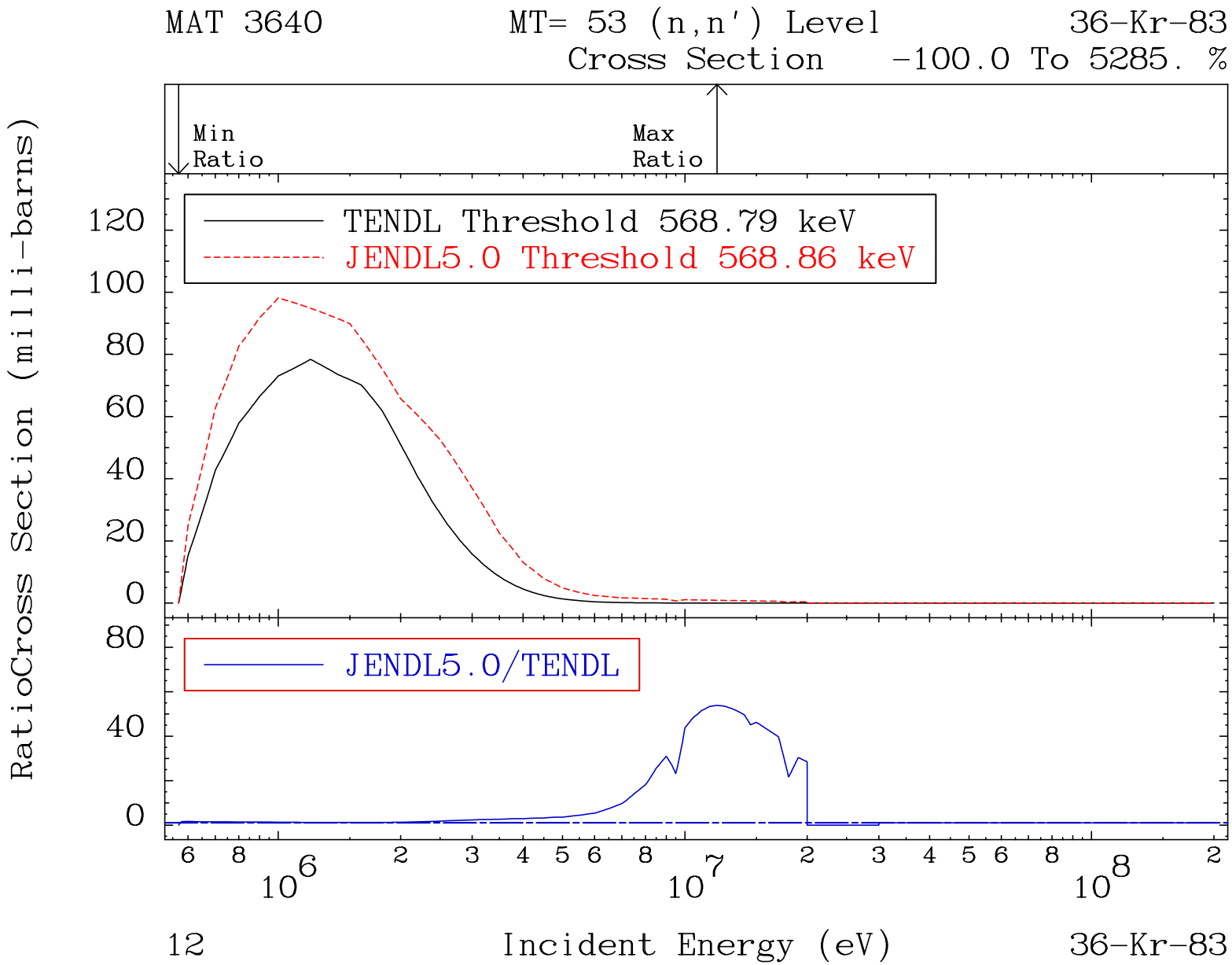

MAT 3640
(n,n') α
Cross Section
36-Kr-83
-100.0 To 63.30 %
Min Ratio
Max Ratio
TENDL Threshold 6.5771 MeV
JENDL5.0 Threshold 12.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
7
Incident Energy (eV)
36-Kr-83

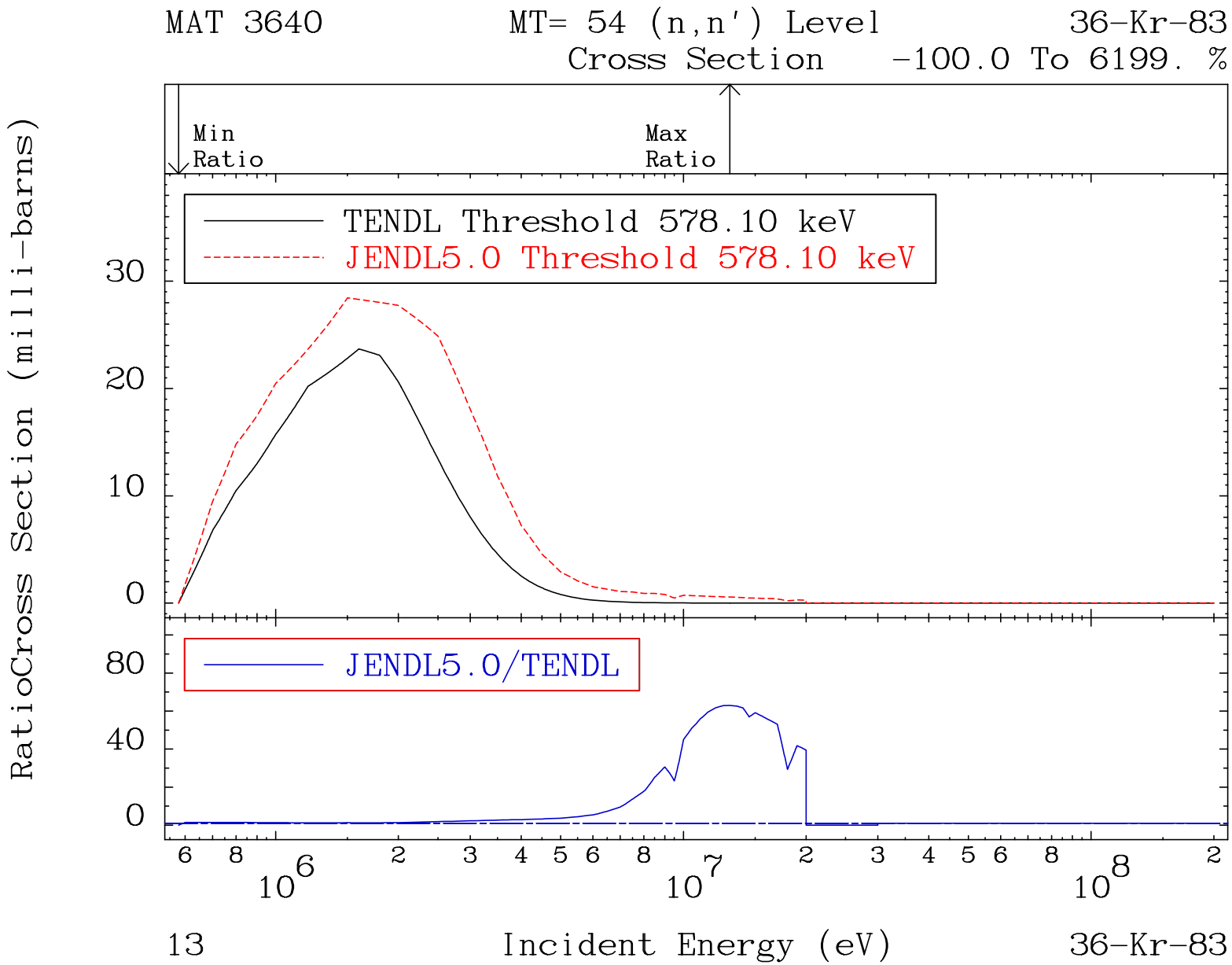

MAT 3640
(n,n') p
Cross Section
36-Kr-83
-100.0 To 416.2 %
Max
Ratio
TENDL Threshold 9.8999 MeV
JENDL5.0 Threshold 11.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
8
4
0
10^7
2
3
4
5
6
7
8
9
10^8
2
Incident Energy (eV)
8
36-Kr-83

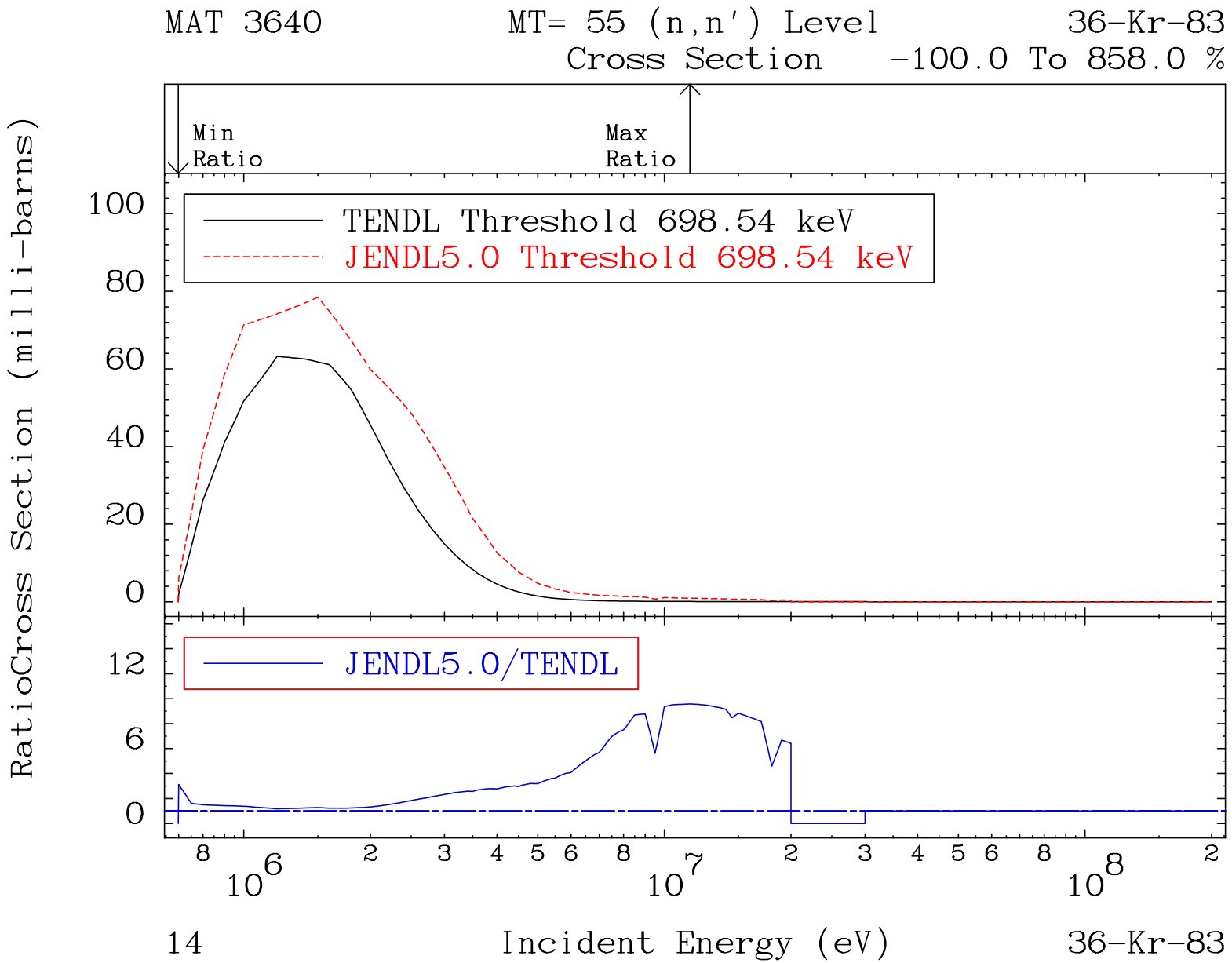

MAT 3640
(n,n') d
Cross Section
36-Kr-83
-100.0 To 116.4 %
Max
Ratio
TENDL Threshold 15.334 MeV
JENDL5.0 Threshold 17.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
3.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
36-Kr-83

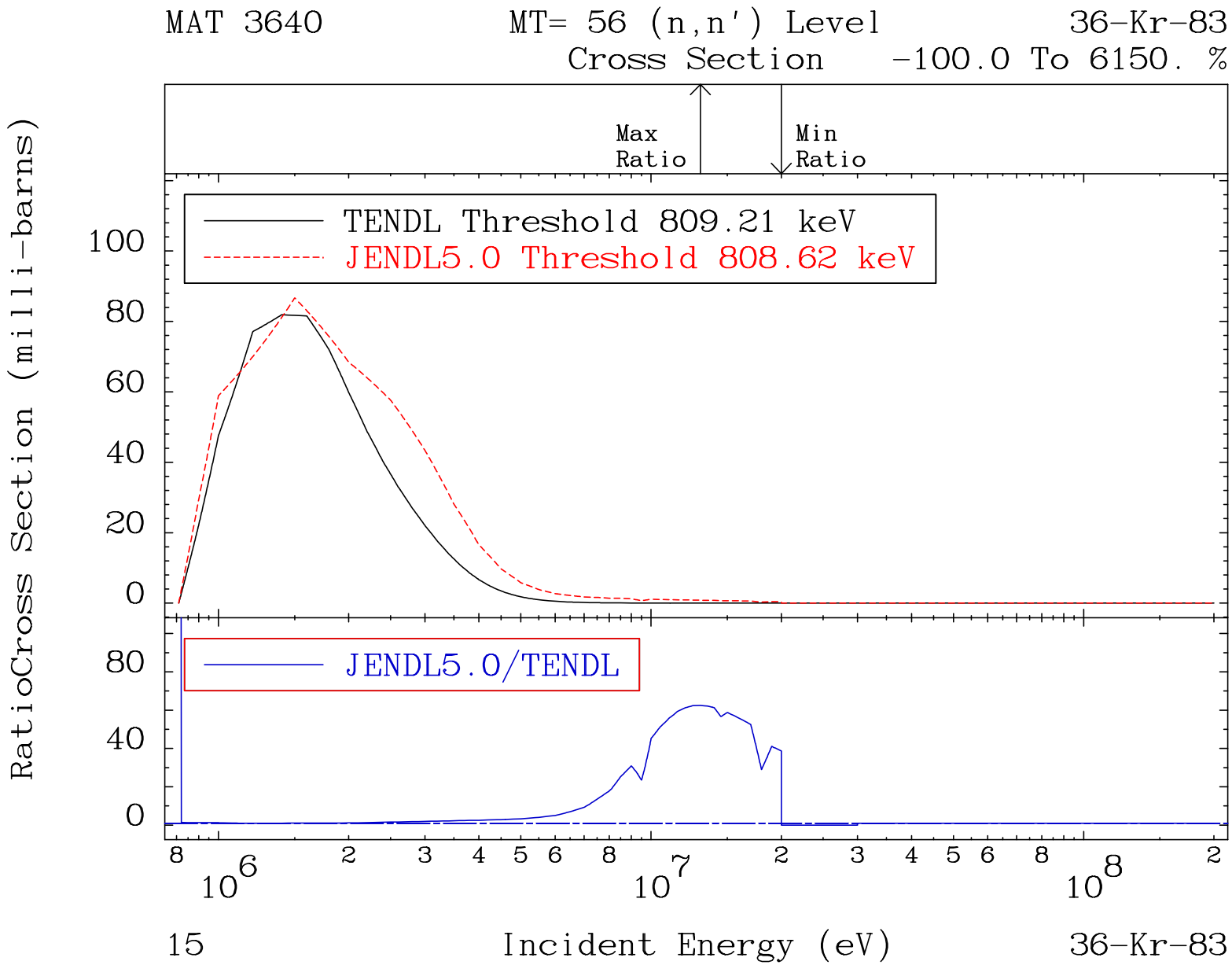

MAT 3640
MT= 51 (n,n') Level
36-Kr-83
Cross Section
-100.0 To 5297. %
Max Ratio
Min Ratio
TENDL Threshold 9.5204 keV
JENDL5.0 Threshold 9.5103 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
36-Kr-83
10

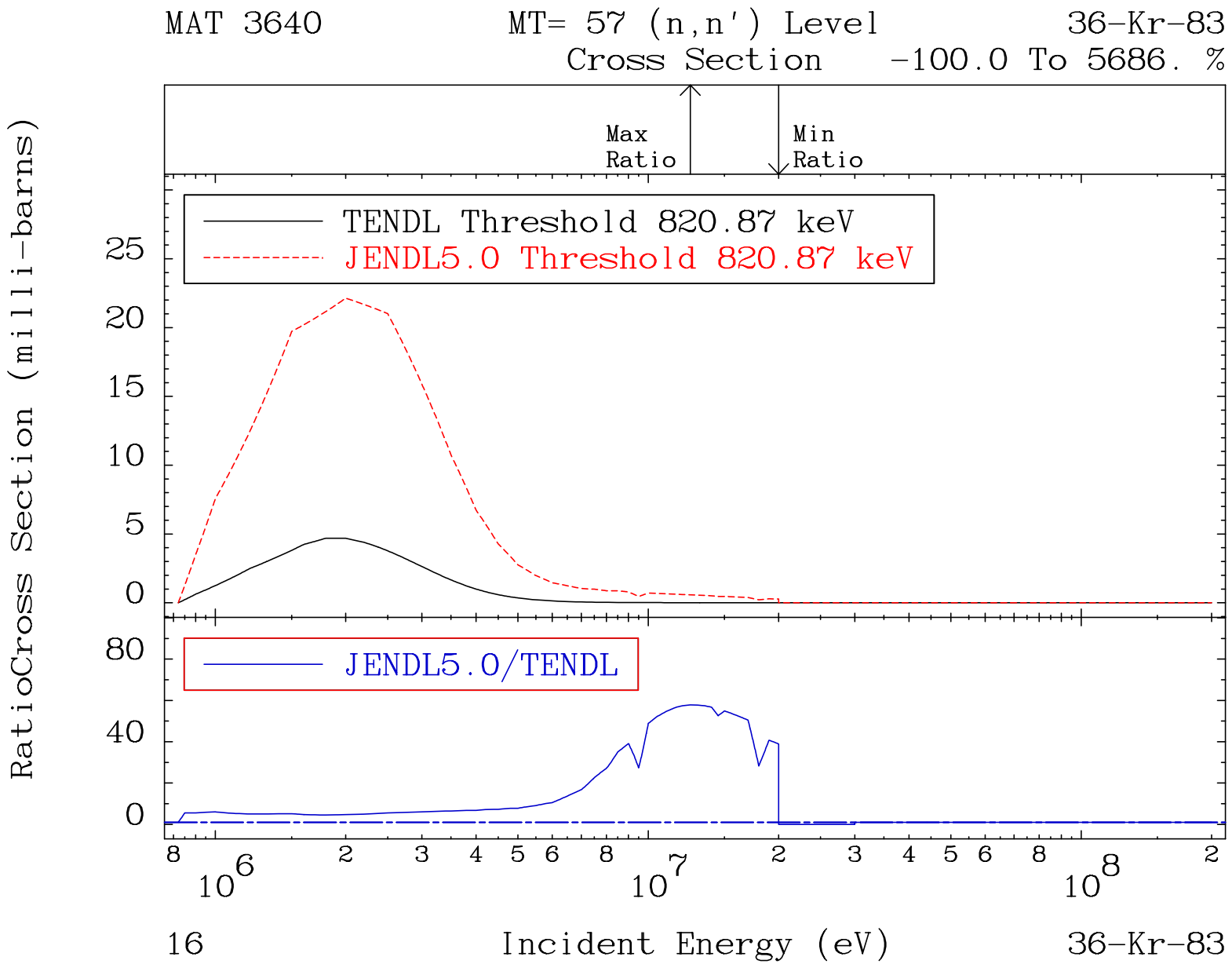

MAT 3640
MT= 52 (n,n') Level
Cross Section
36-Kr-83
-100.0 To 5387. %
Max Ratio
Min Ratio
TENDL Threshold 42.064 keV
JENDL5.0 Threshold 42.048 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
11
36-Kr-83

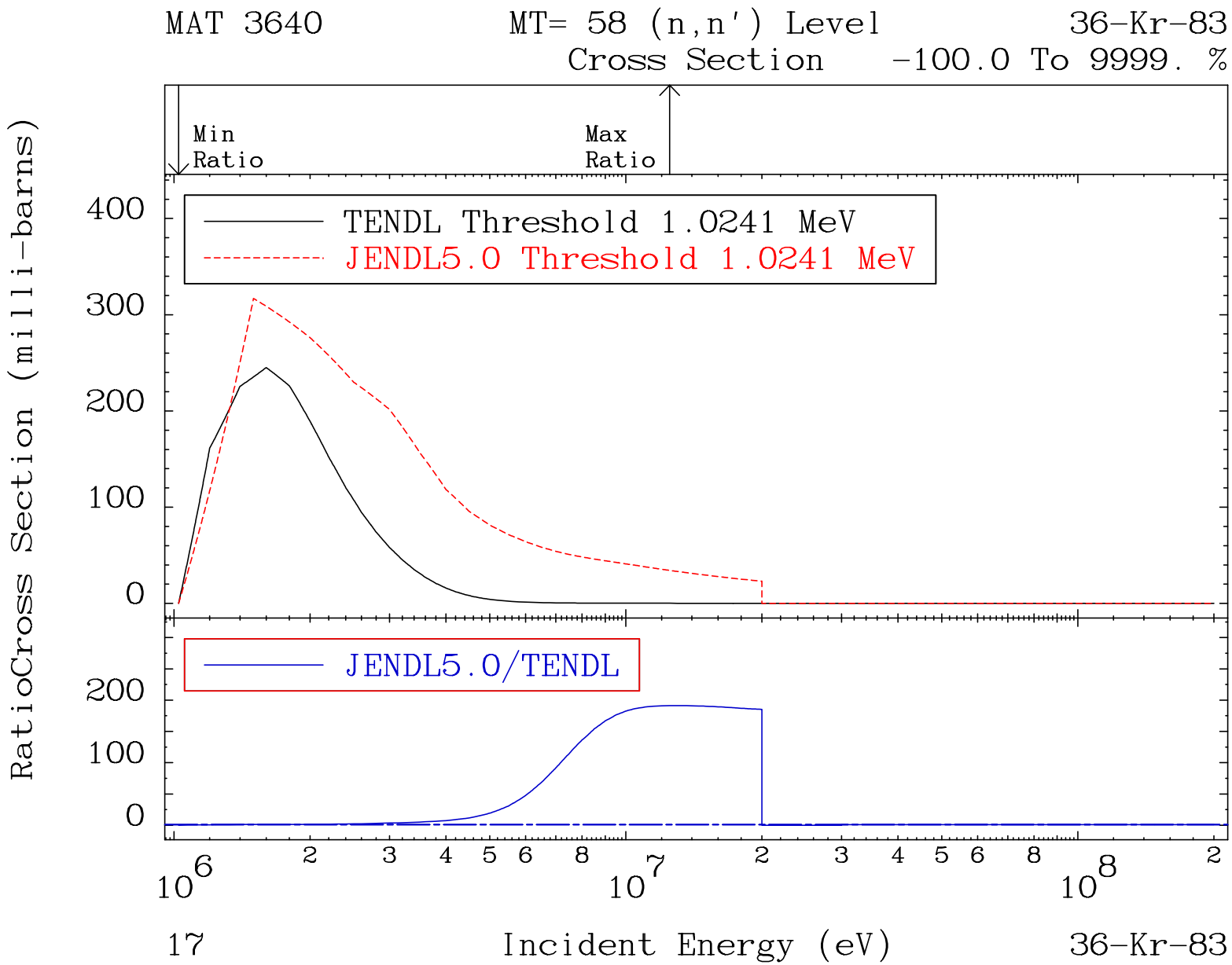

MAT 3640
MT= 53 (n,n') Level
36-Kr-83
Cross Section -100.0 To 5285. %
Min Ratio
Max Ratio
TENDL Threshold 568.79 keV
JENDL5.0 Threshold 568.86 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
80
40
0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
12
Incident Energy (eV)
36-Kr-83

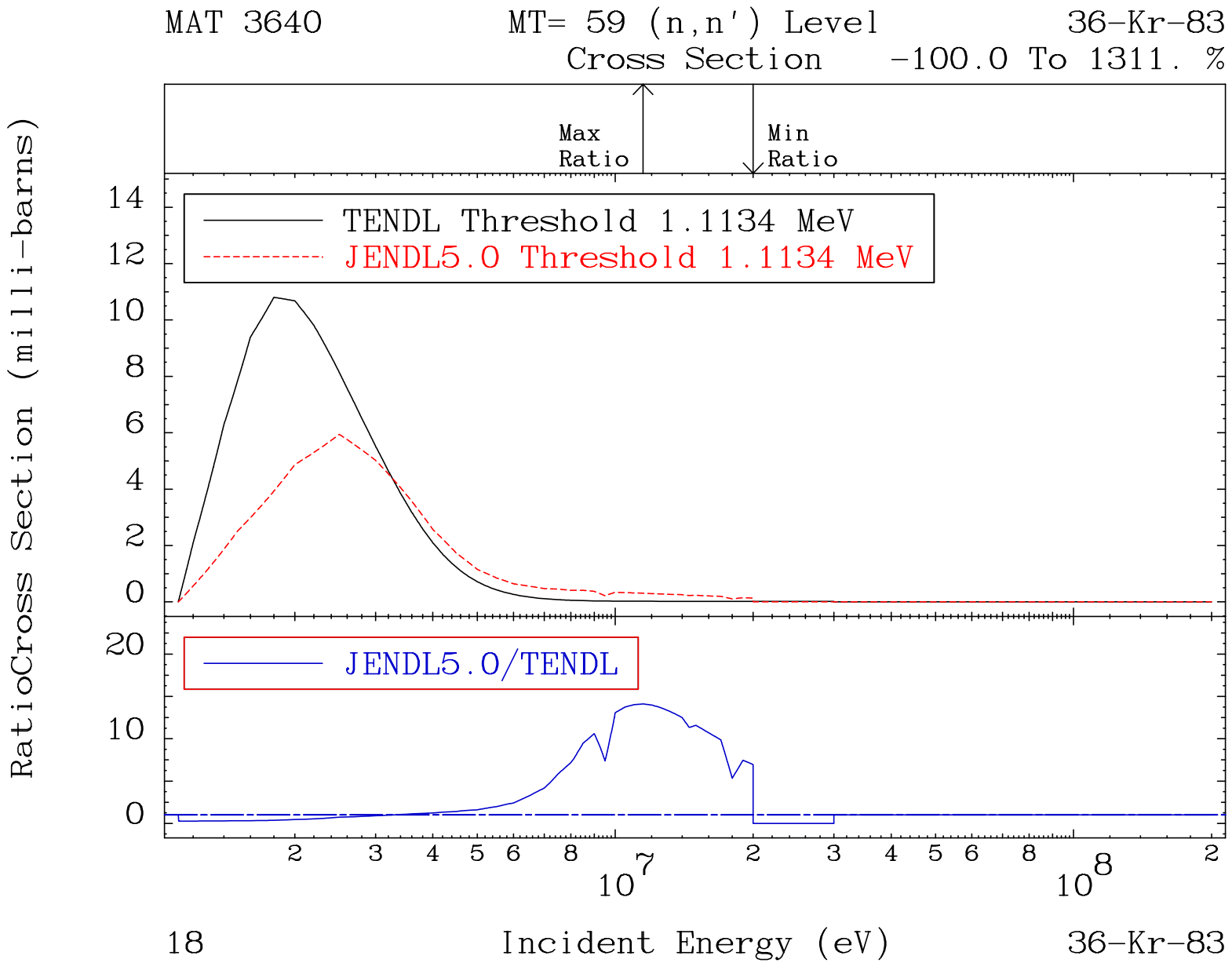

MAT 3640
MT= 54 (n,n') Level
36-Kr-83
Cross Section
-100.0 To 6199. %
Min Ratio
Max Ratio
TENDL Threshold 578.10 keV
JENDL5.0 Threshold 578.10 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
20
10
0
80
40
0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
13
Incident Energy (eV)
36-Kr-83

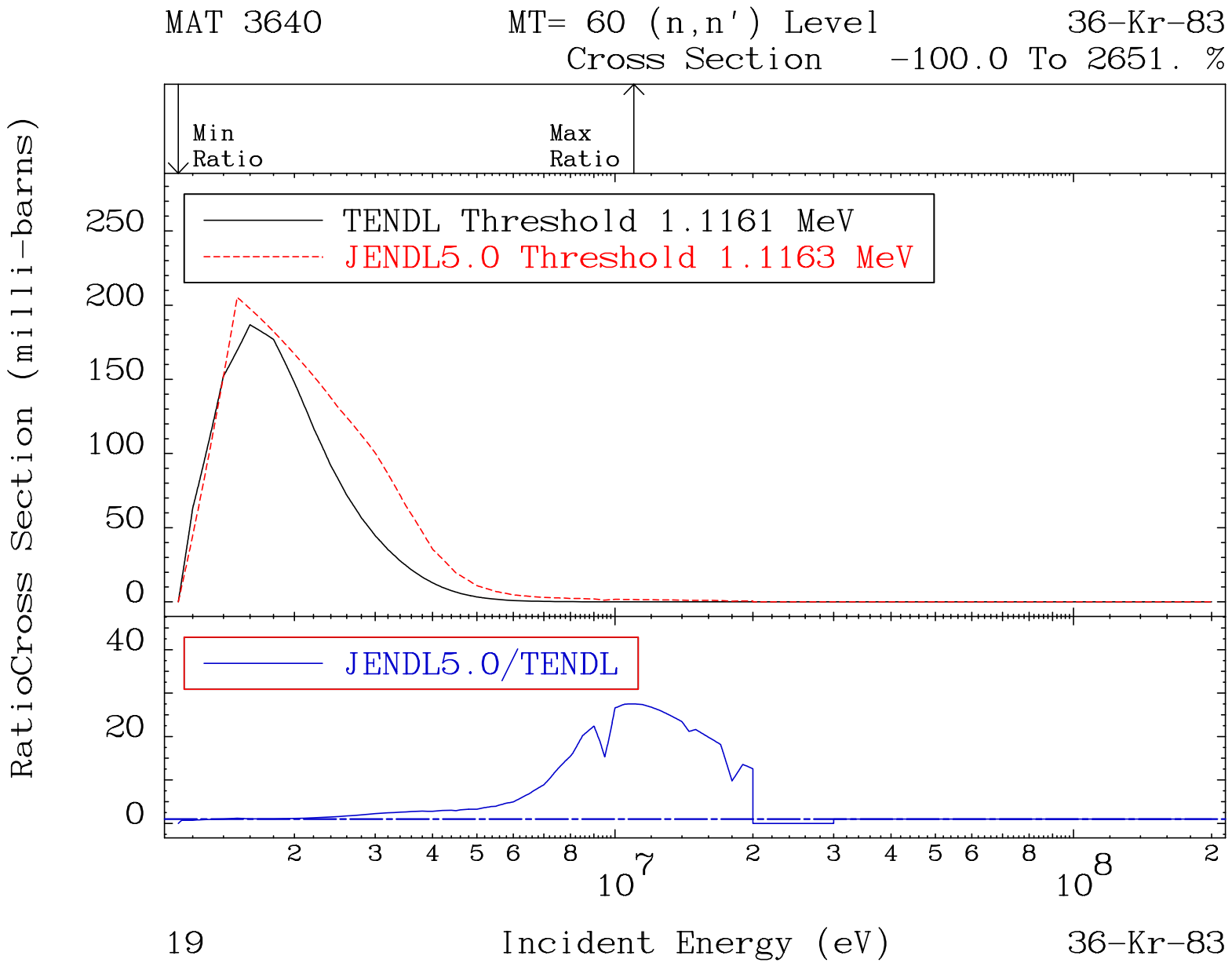

MAT 3640
MT= 55 (n,n') Level
36-Kr-83
Cross Section
-100.0 To 858.0 %
Min Ratio
Max Ratio
TENDL Threshold 698.54 keV
JENDL5.0 Threshold 698.54 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
14
36-Kr-83

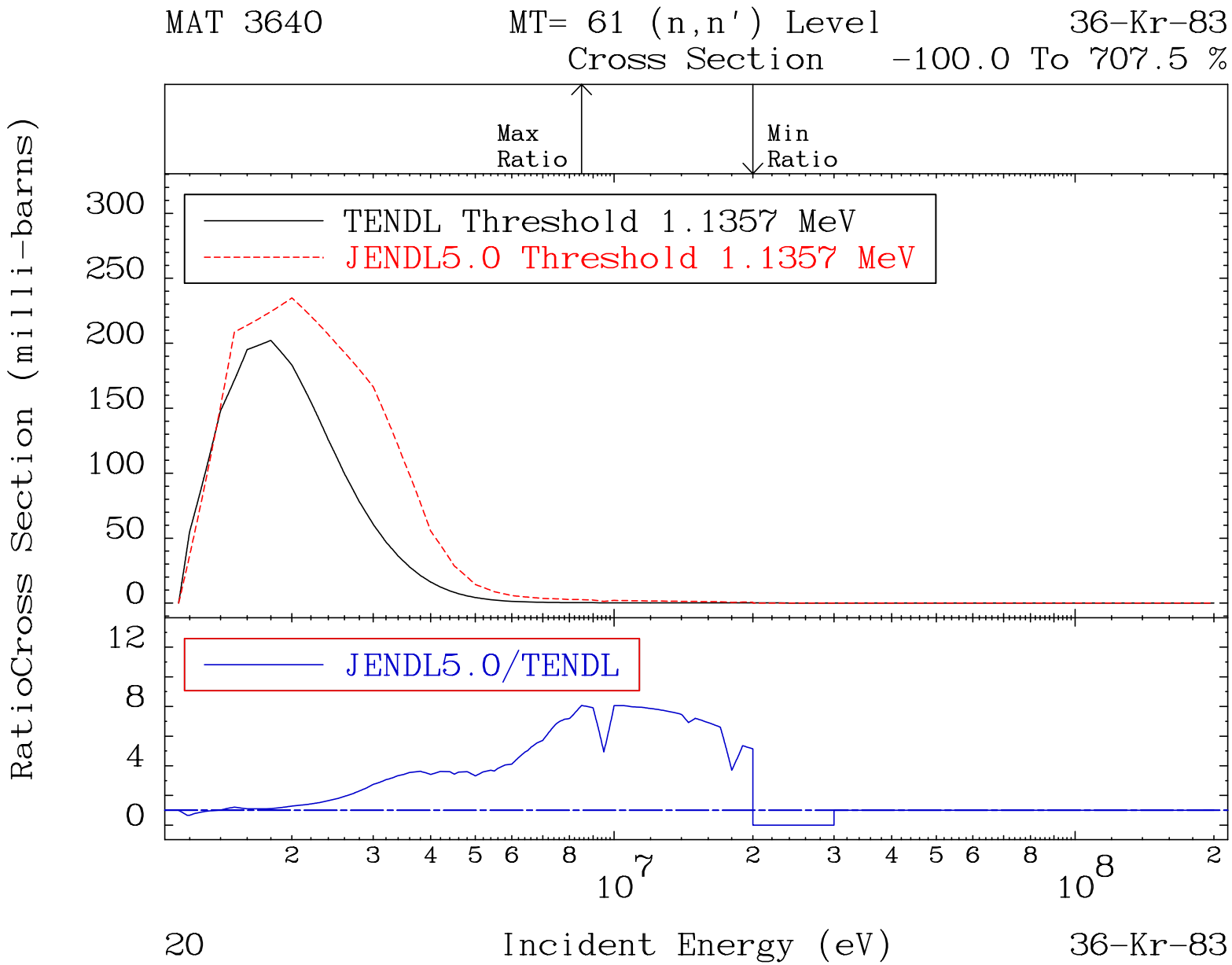

MAT 3640
MT= 56 (n,n') Level
36-Kr-83
Cross Section
-100.0 To 6150. %
Max Ratio
Min Ratio
TENDL Threshold 809.21 keV
JENDL5.0 Threshold 808.62 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
15
36-Kr-83

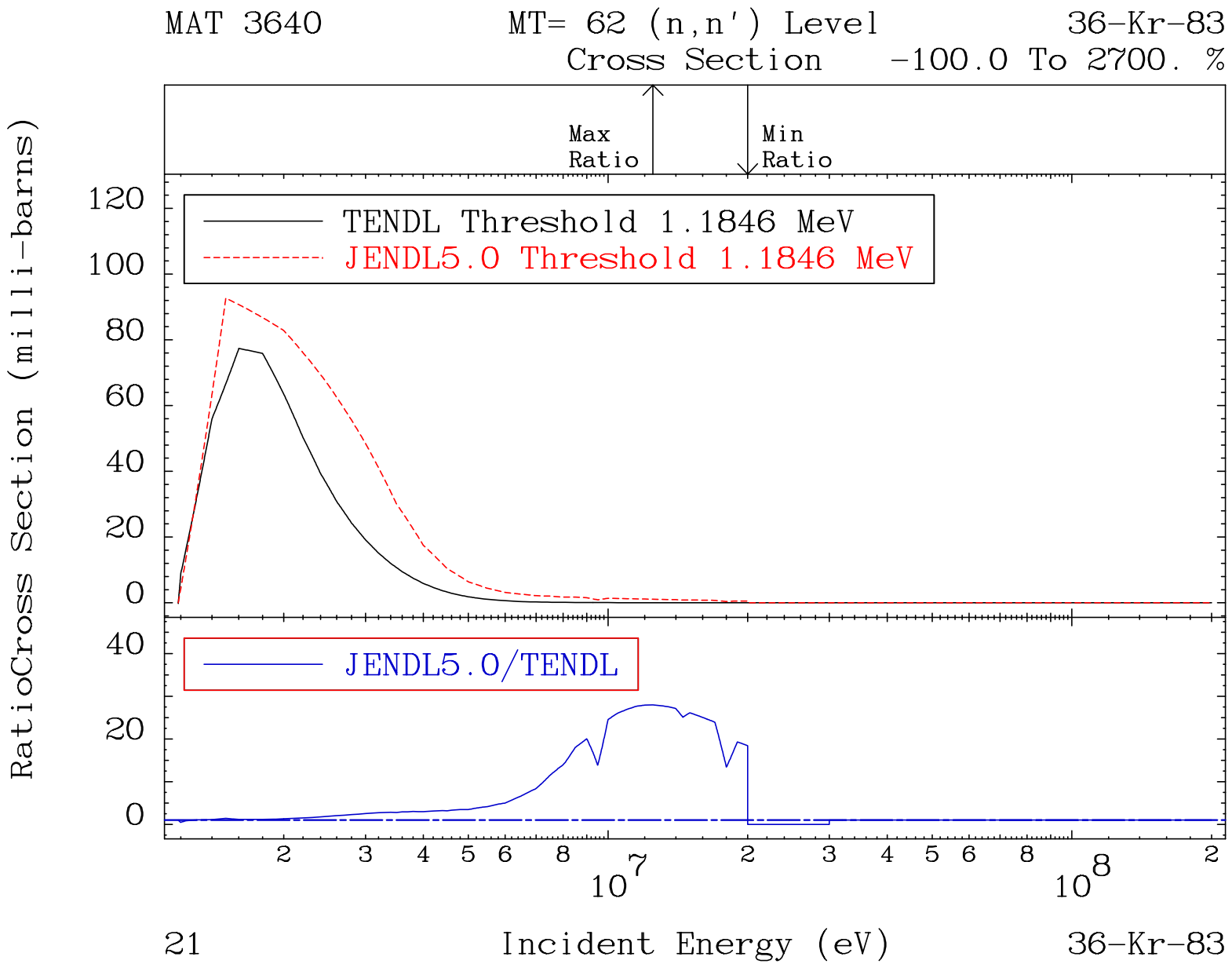

MAT 3640
MT= 57 (n,n') Level
36-Kr-83
Cross Section
-100.0 To 5686. %
Max Ratio
Min Ratio
TENDL Threshold 820.87 keV
JENDL5.0 Threshold 820.87 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
16
36-Kr-83

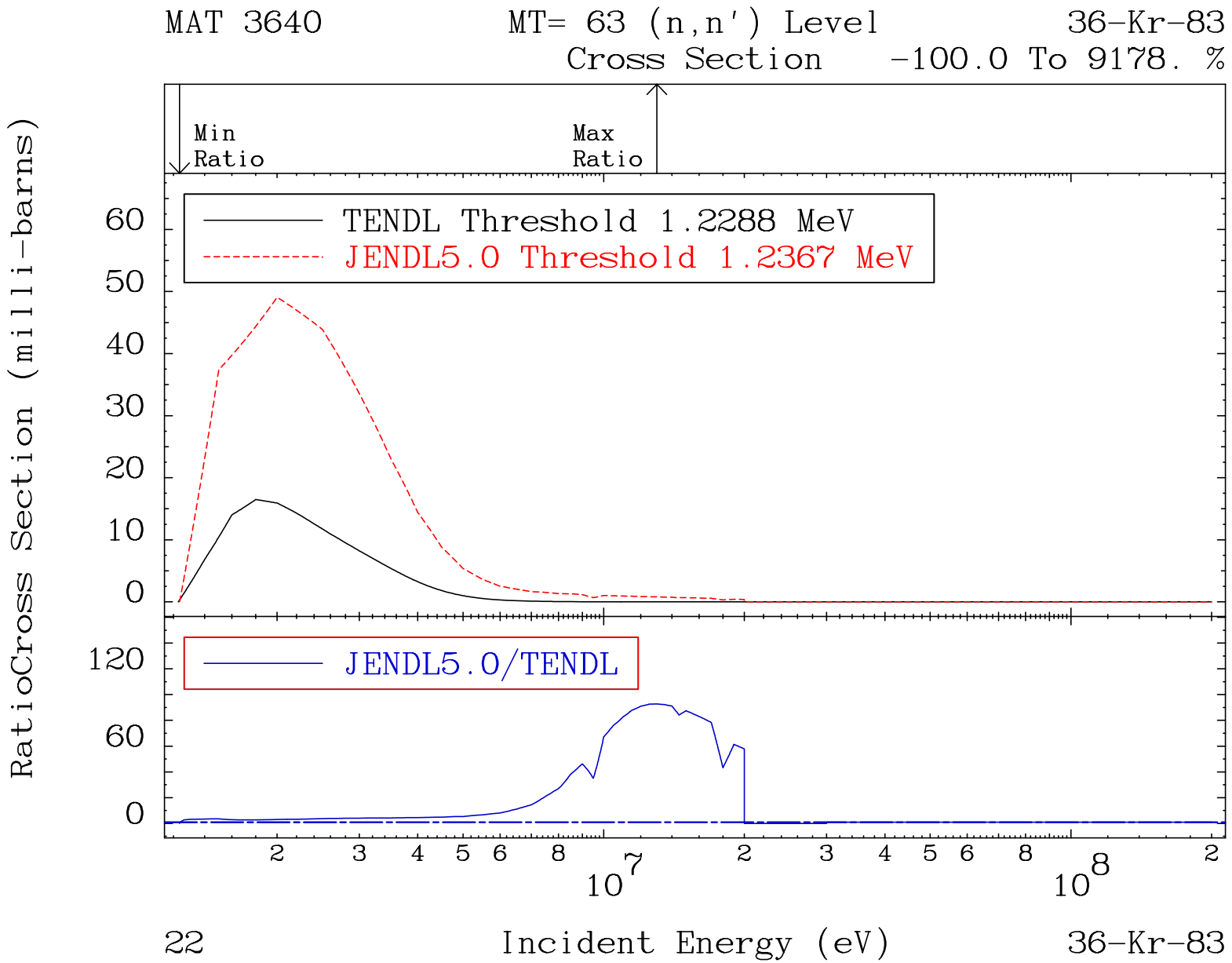

MAT 3640
MT= 58 (n,n') Level
36-Kr-83
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.0241 MeV
JENDL5.0 Threshold 1.0241 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
200
100
0
2 3 4 5 6 8
10^6
10^7
10^8
17
Incident Energy (eV)
36-Kr-83

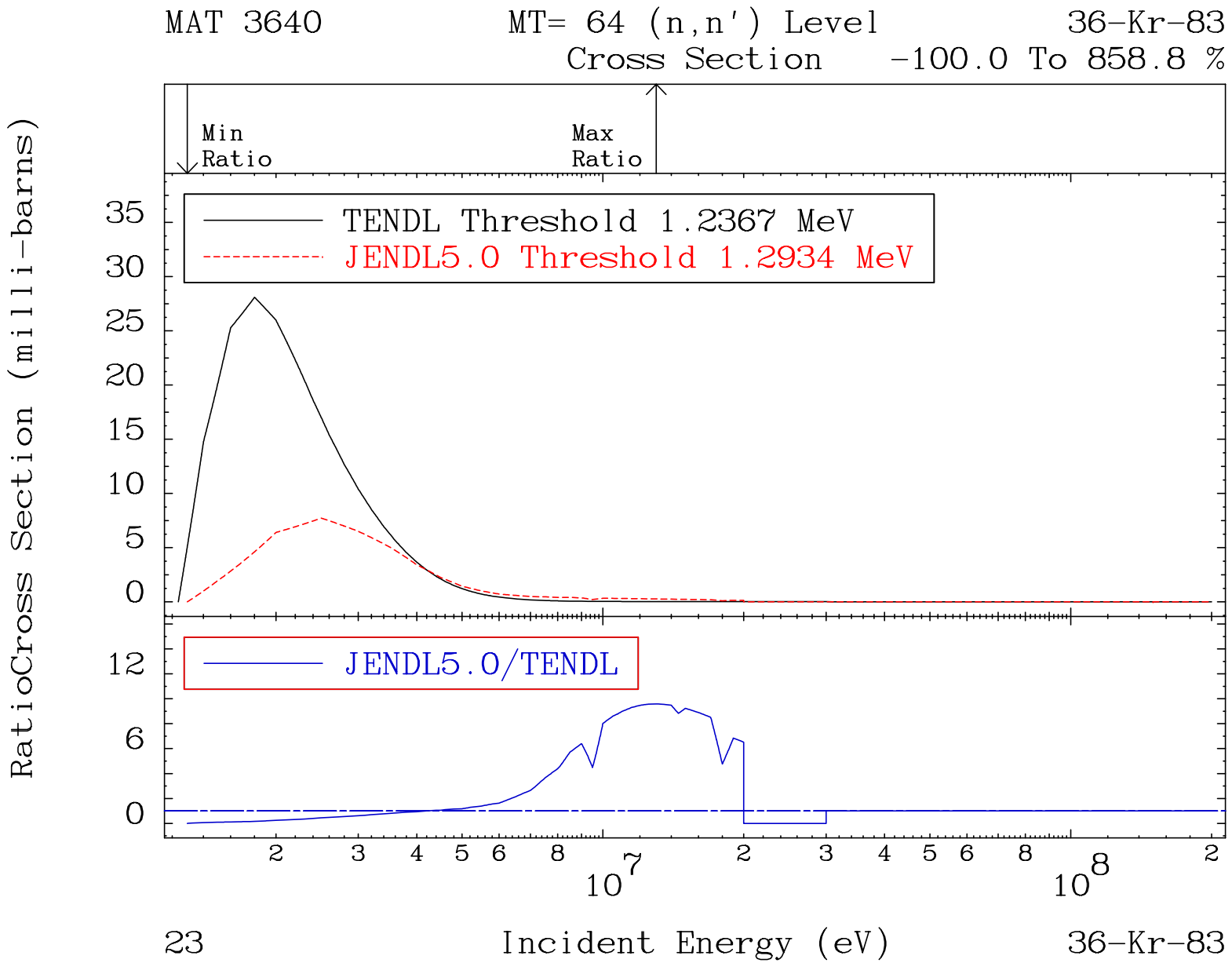

MAT 3640
MT= 59 (n,n') Level
36-Kr-83
Cross Section -100.0 To 1311. %
Max Ratio
Min Ratio
TENDL Threshold 1.1134 MeV
JENDL5.0 Threshold 1.1134 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
18
36-Kr-83

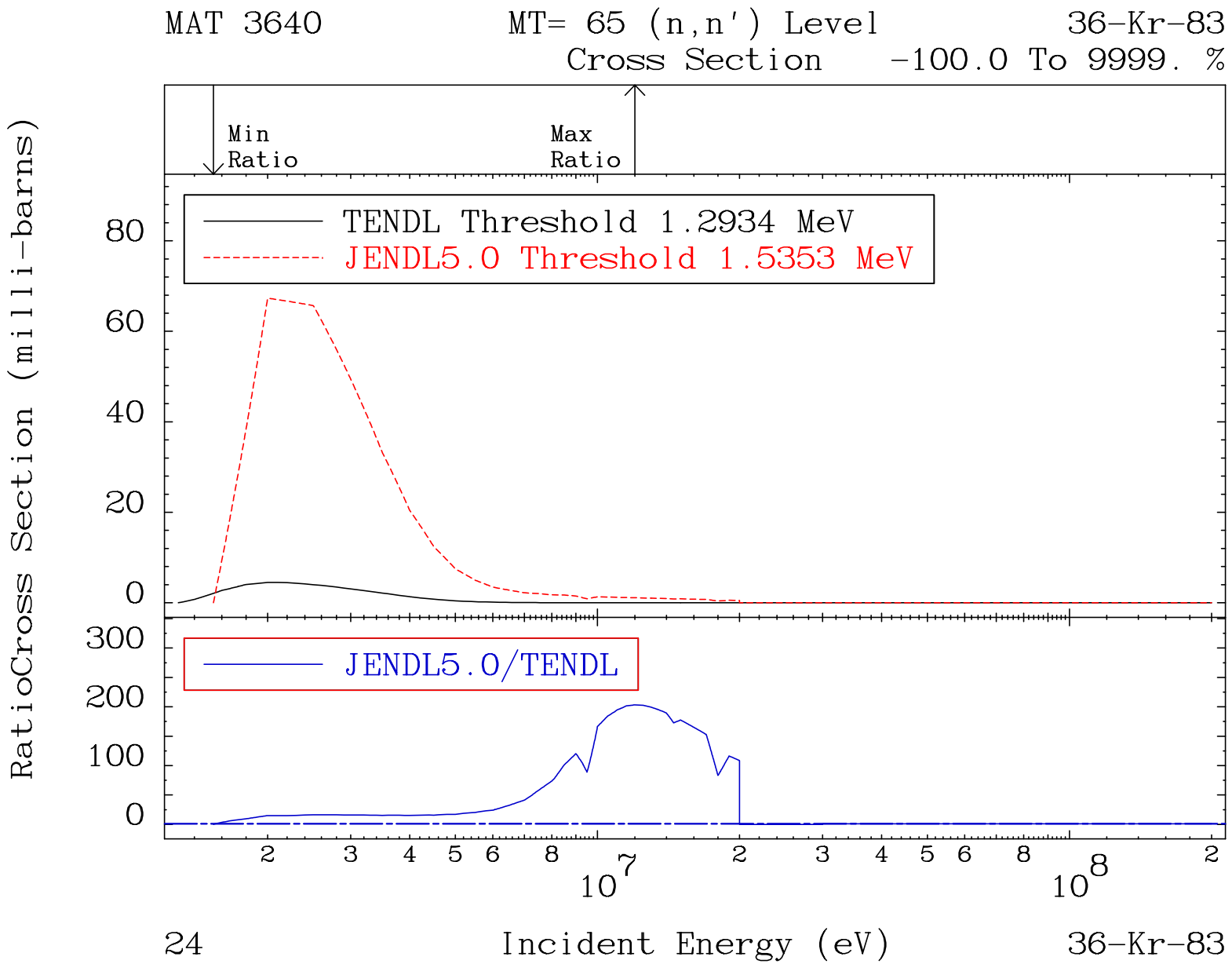

MAT 3640
MT= 60 (n,n') Level
36-Kr-83
Cross Section -100.0 To 2651. %
Min Ratio
Max Ratio
TENDL Threshold 1.1161 MeV
JENDL5.0 Threshold 1.1163 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
40
20
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
19
Incident Energy (eV)
36-Kr-83

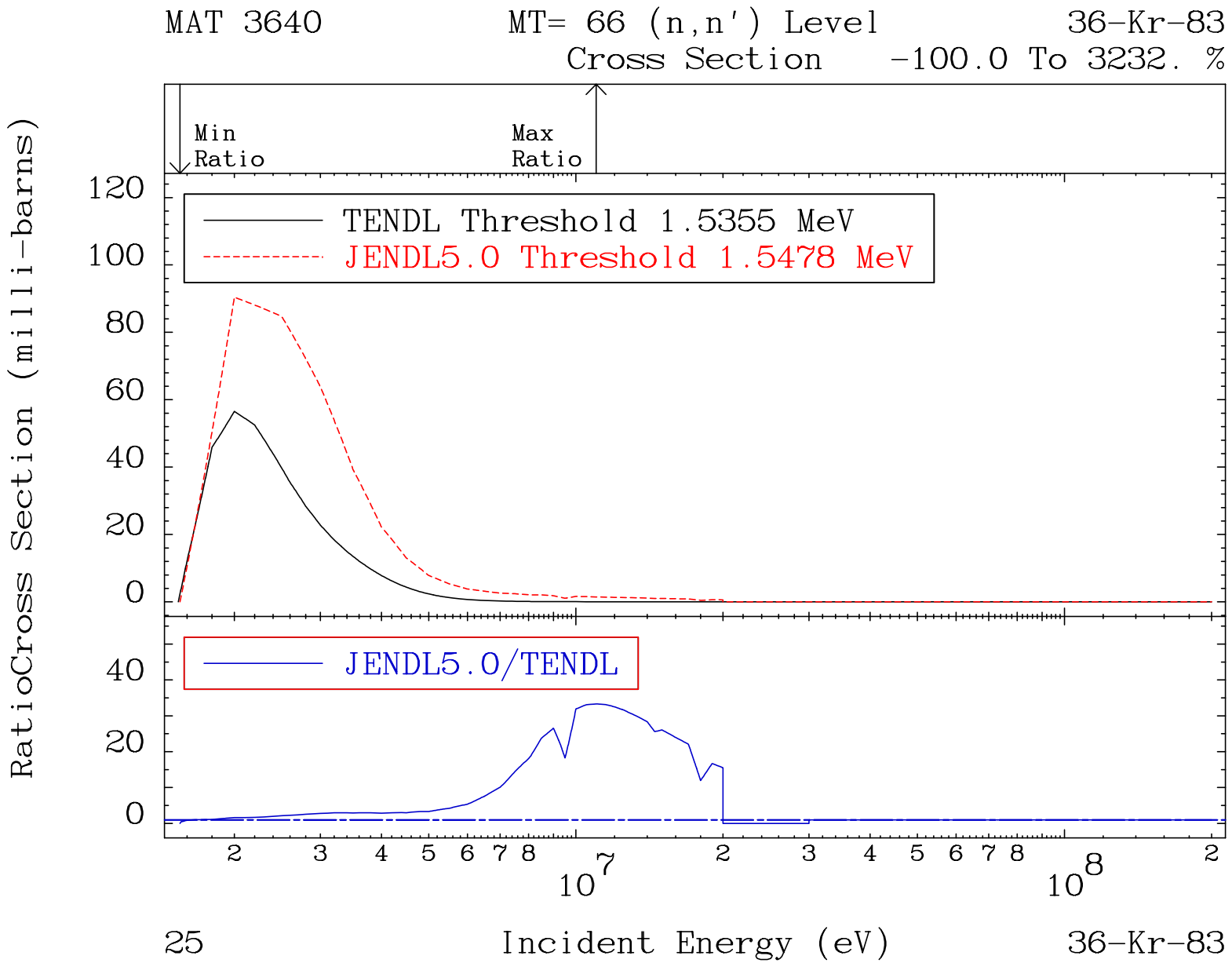

MAT 3640
MT= 61 (n,n') Level
36-Kr-83
Cross Section
-100.0 To 707.5 %
Max Ratio
Min Ratio
TENDL Threshold 1.1357 MeV
JENDL5.0 Threshold 1.1357 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
12
8
4
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
20
Incident Energy (eV)
36-Kr-83

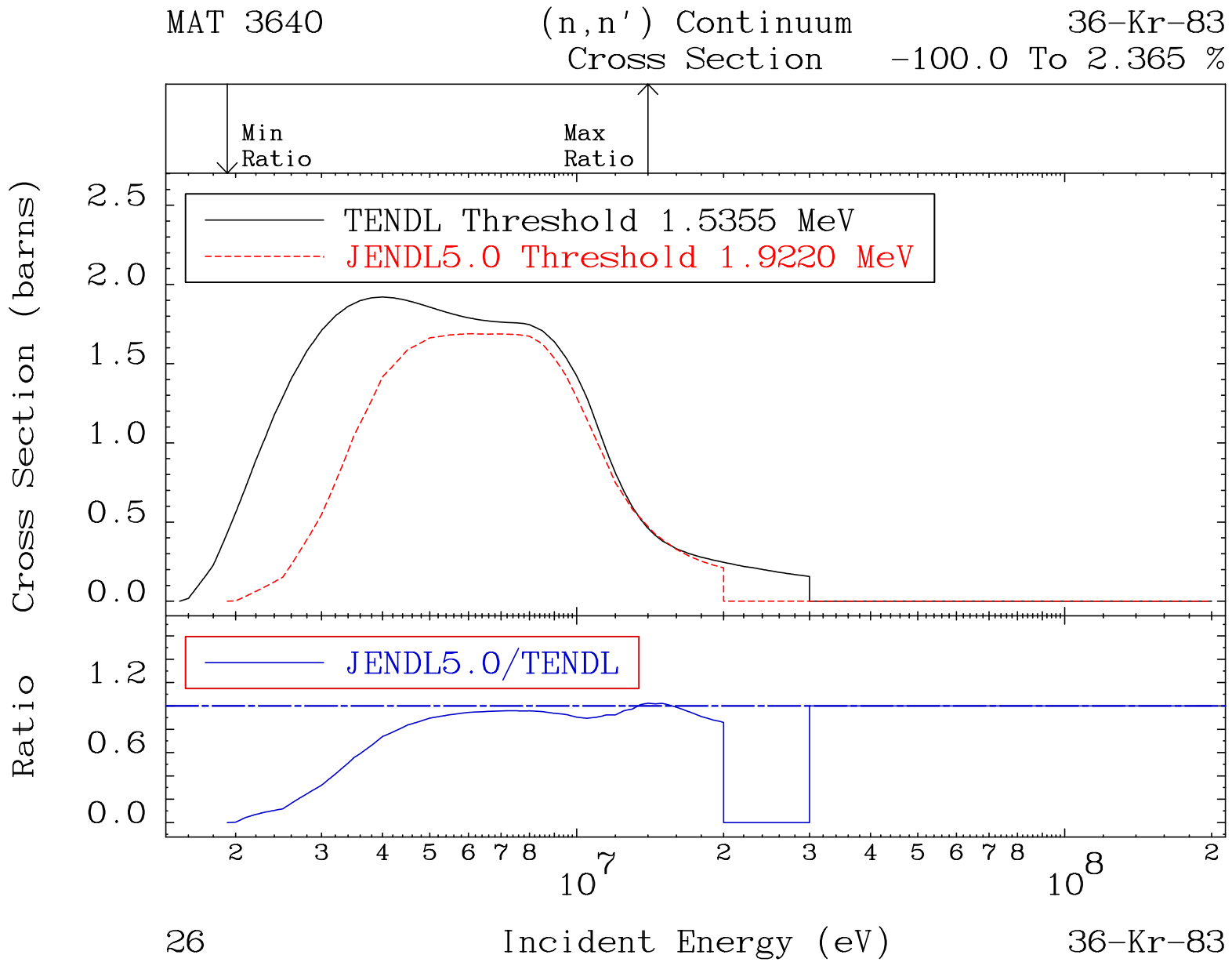

MAT 3640
MT= 62 (n,n') Level
36-Kr-83
Cross Section -100.0 To 2700. %
Max Ratio
Min Ratio
TENDL Threshold 1.1846 MeV
JENDL5.0 Threshold 1.1846 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
21
36-Kr-83

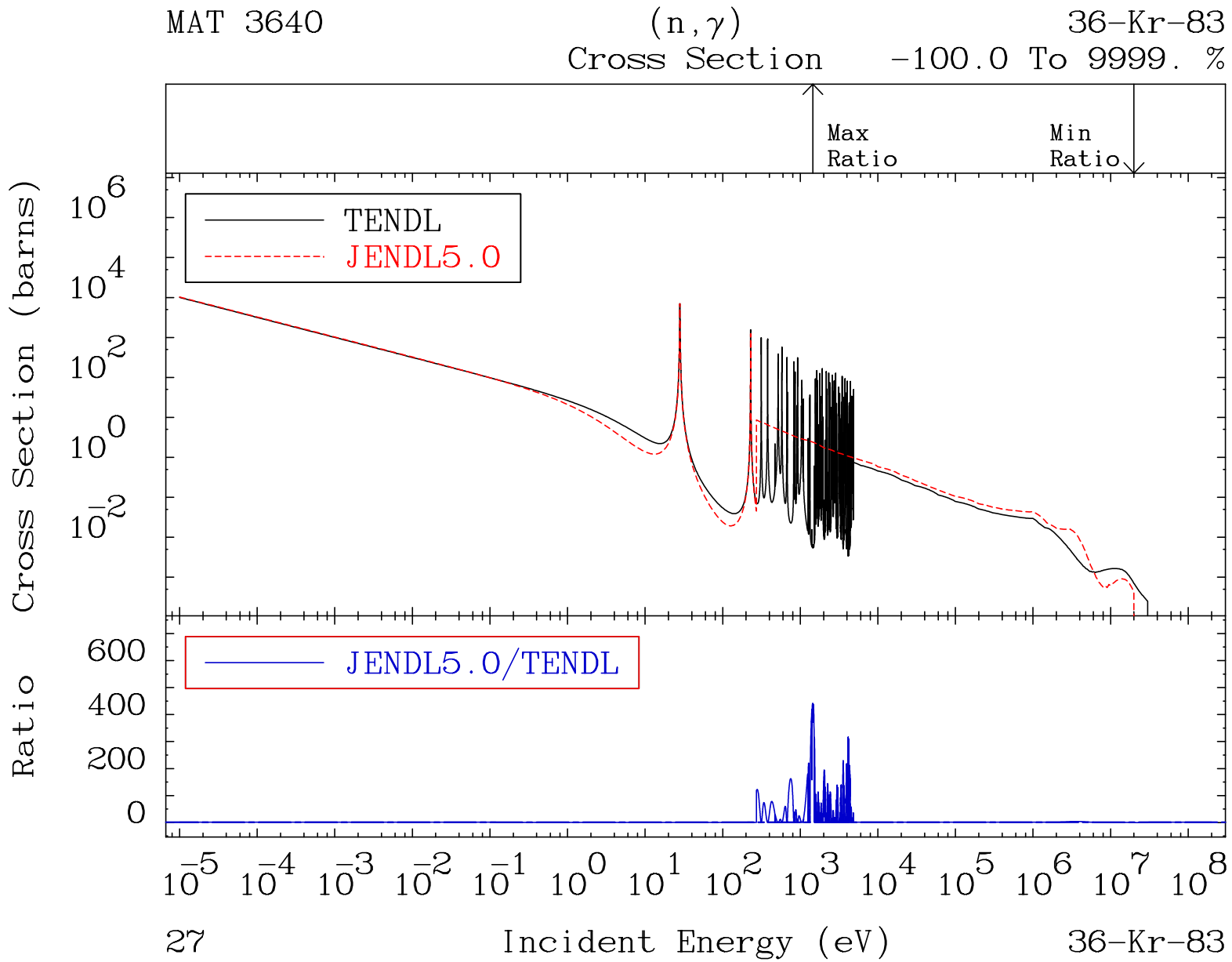

MAT 3640
MT= 63 (n,n') Level
36-Kr-83
Cross Section -100.0 To 9178. %
Min Ratio
Max Ratio
TENDL Threshold 1.2288 MeV
JENDL5.0 Threshold 1.2367 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
120
60
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
22
Incident Energy (eV)
36-Kr-83

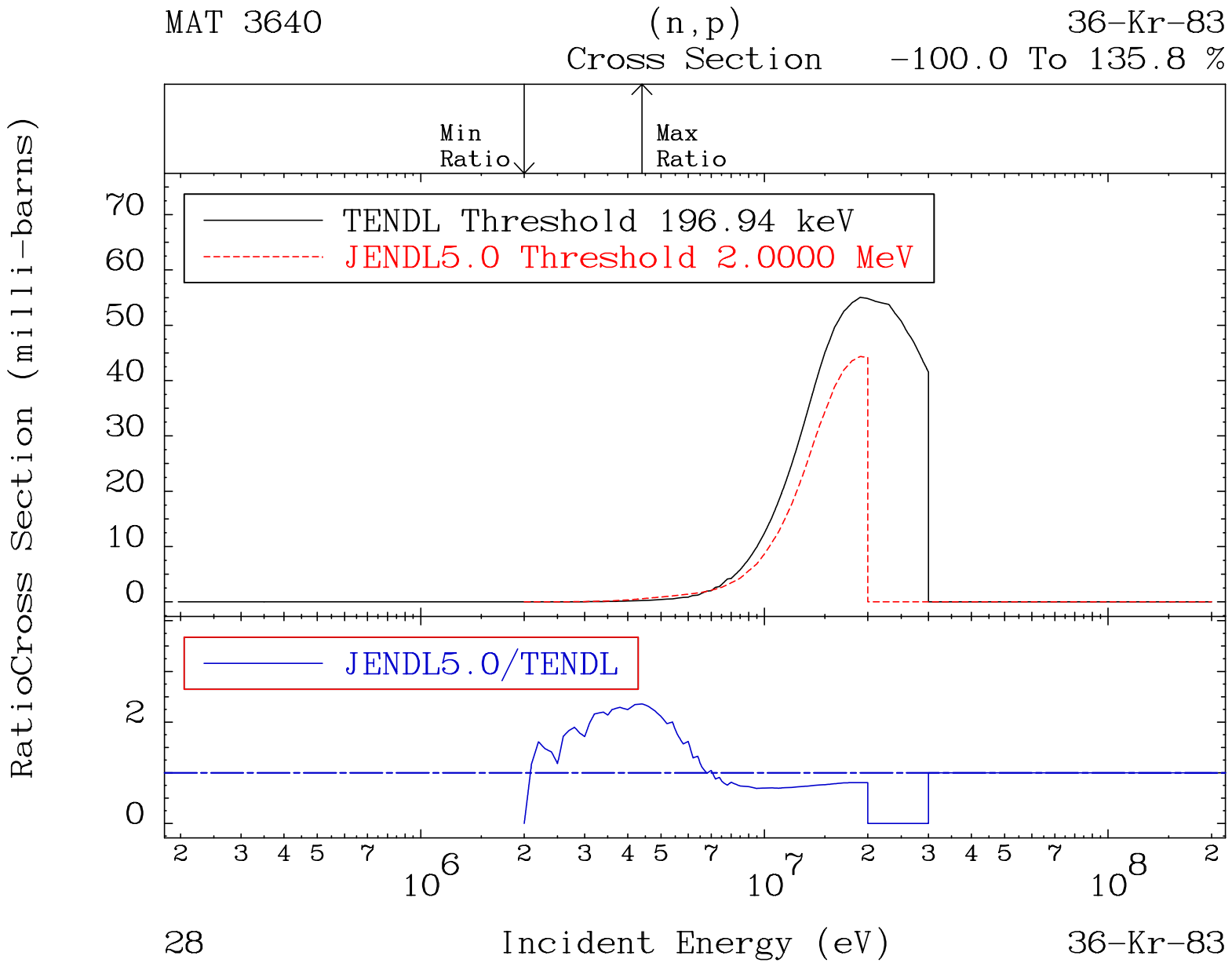

MAT 3640
MT= 64 (n,n') Level
36-Kr-83
Cross Section
-100.0 To 858.8 %
Min Ratio
Max Ratio
TENDL Threshold 1.2367 MeV
JENDL5.0 Threshold 1.2934 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
23
36-Kr-83

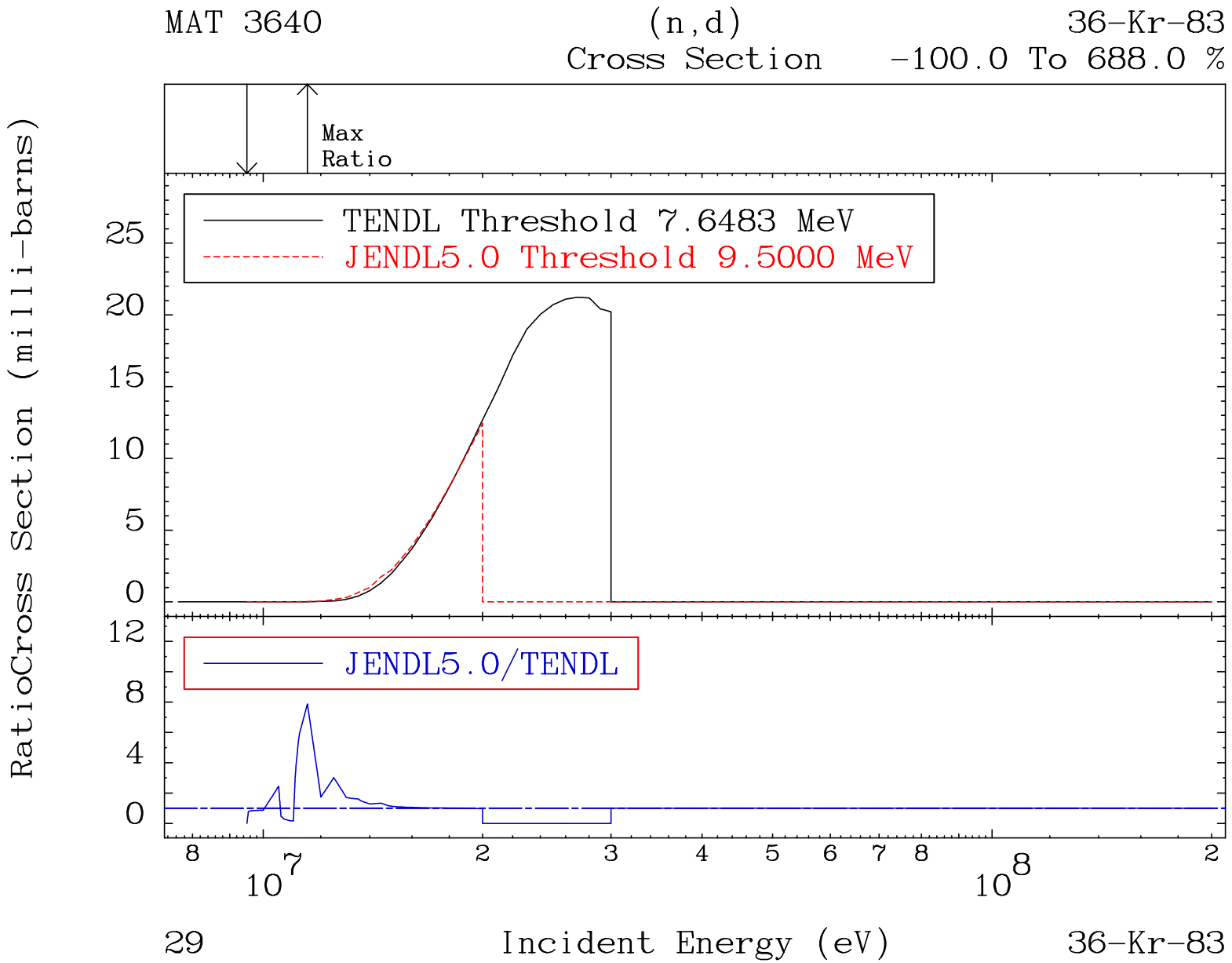

MAT 3640
MT= 65 (n,n') Level
36-Kr-83
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.2934 MeV
JENDL5.0 Threshold 1.5353 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
300
200
100
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
24
Incident Energy (eV)
36-Kr-83

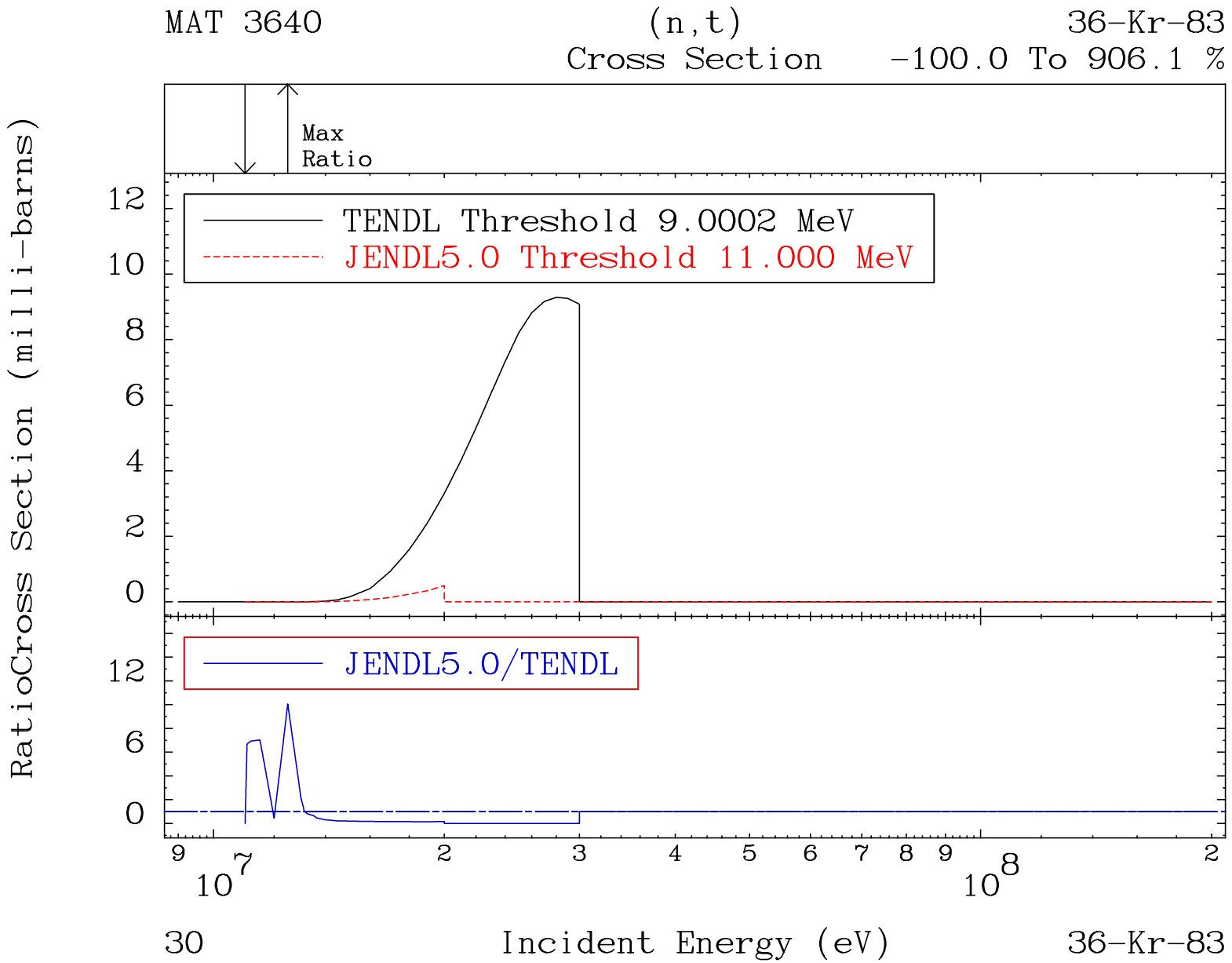

MAT 3640
MT= 66 (n,n') Level
36-Kr-83
Cross Section -100.0 To 3232. %
Min Ratio
Max Ratio
TENDL Threshold 1.5355 MeV
JENDL5.0 Threshold 1.5478 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
40
20
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
36-Kr-83

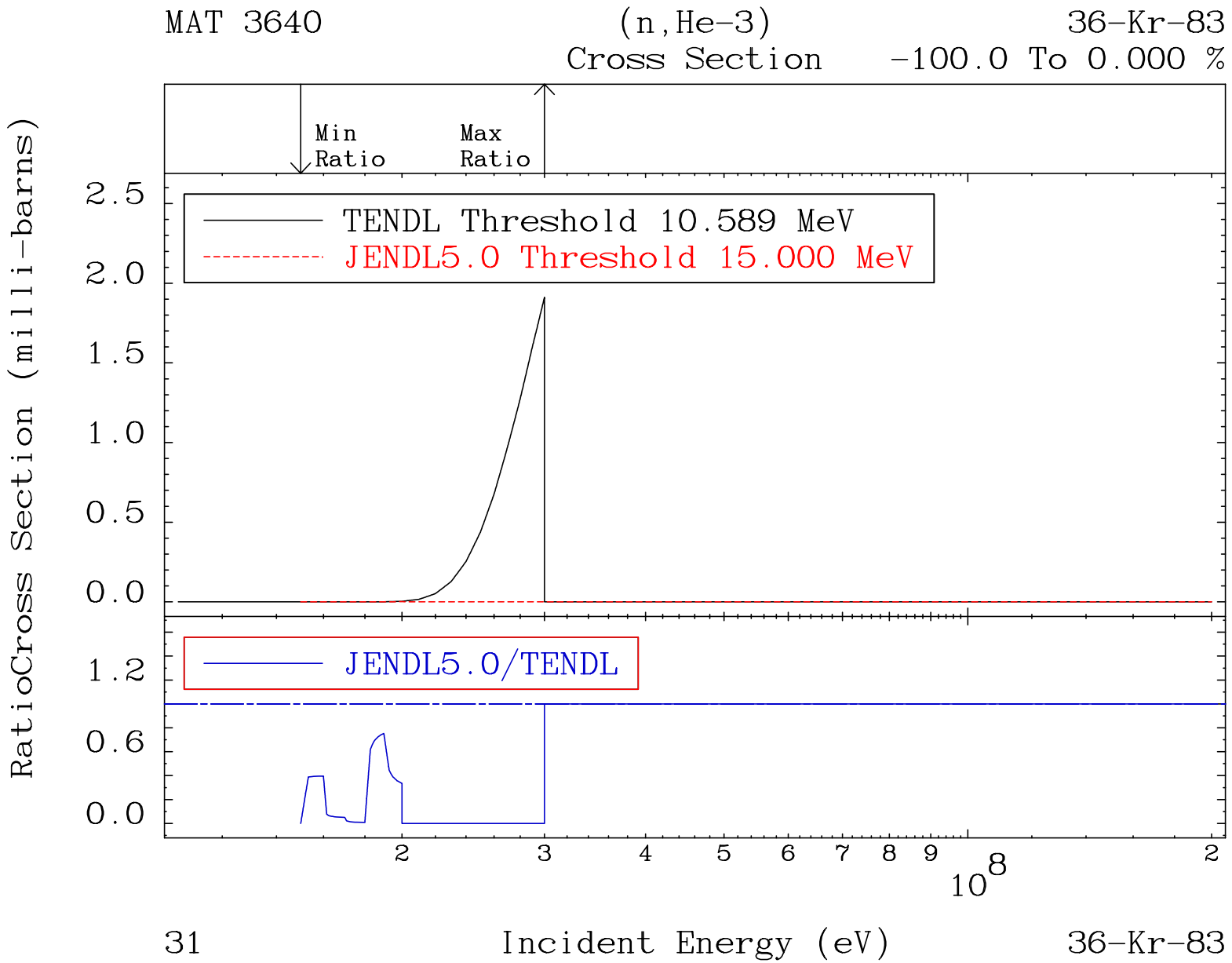

MAT 3640
(n,n') Continuum
Cross Section
36-Kr-83
-100.0 To 2.365 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.5355 MeV
JENDL5.0 Threshold 1.9220 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
26
36-Kr-83

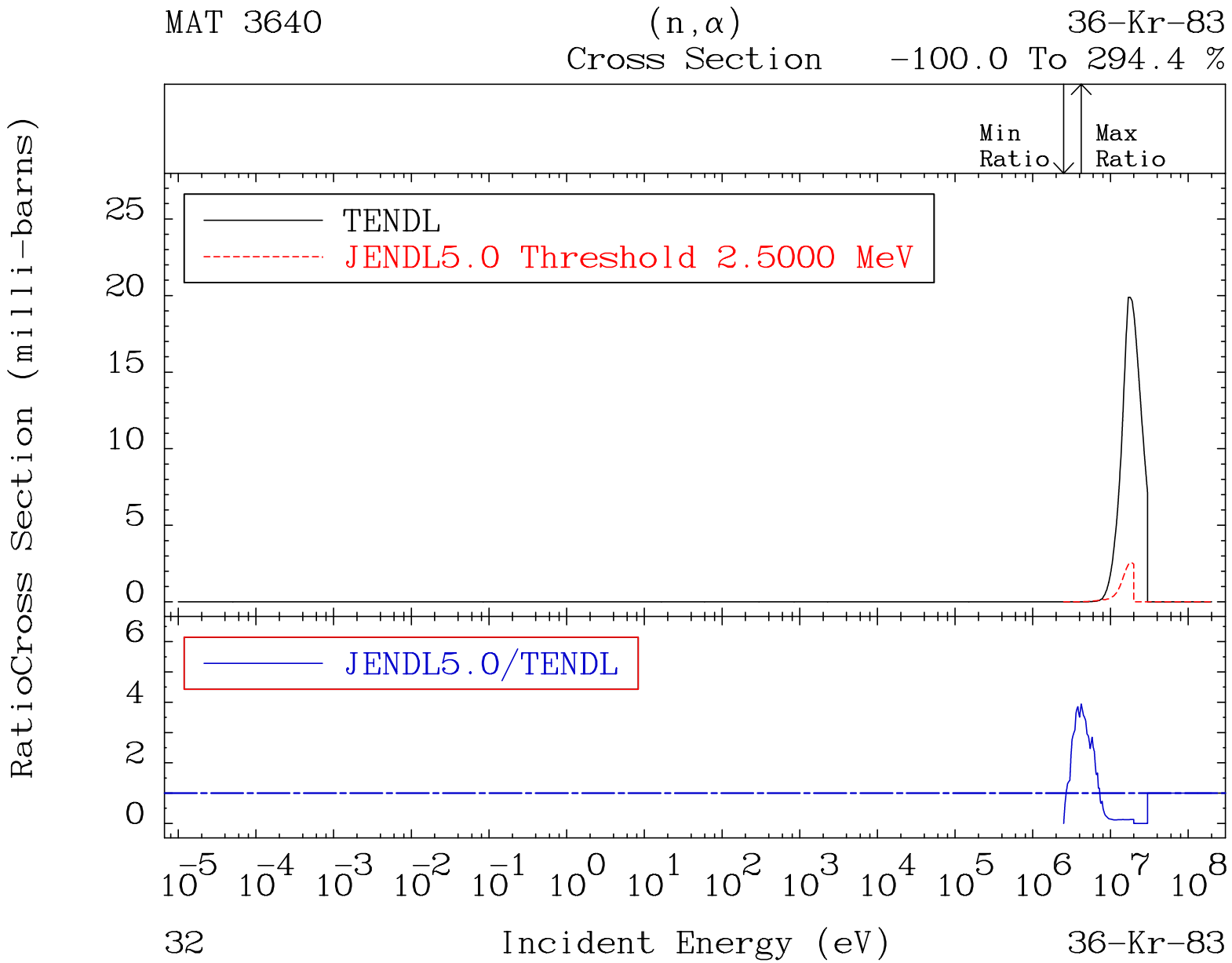

MAT 3640
(n,γ)
Cross Section
36-Kr-83
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
27
36-Kr-83

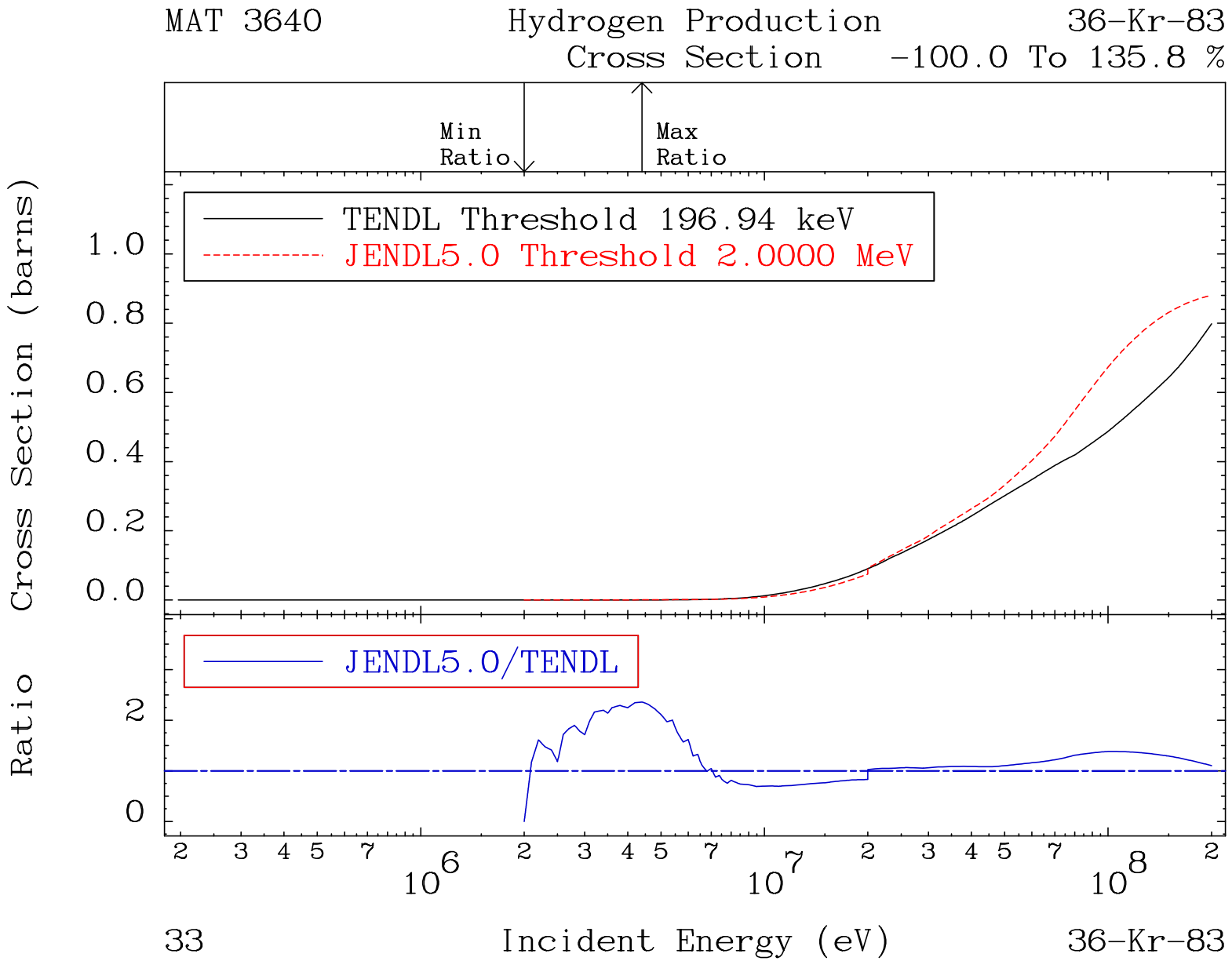

MAT 3640
(n,p)
Cross Section
36-Kr-83
-100.0 To 135.8 %
Min Ratio
Max Ratio
TENDL Threshold 196.94 keV
JENDL5.0 Threshold 2.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
28
36-Kr-83

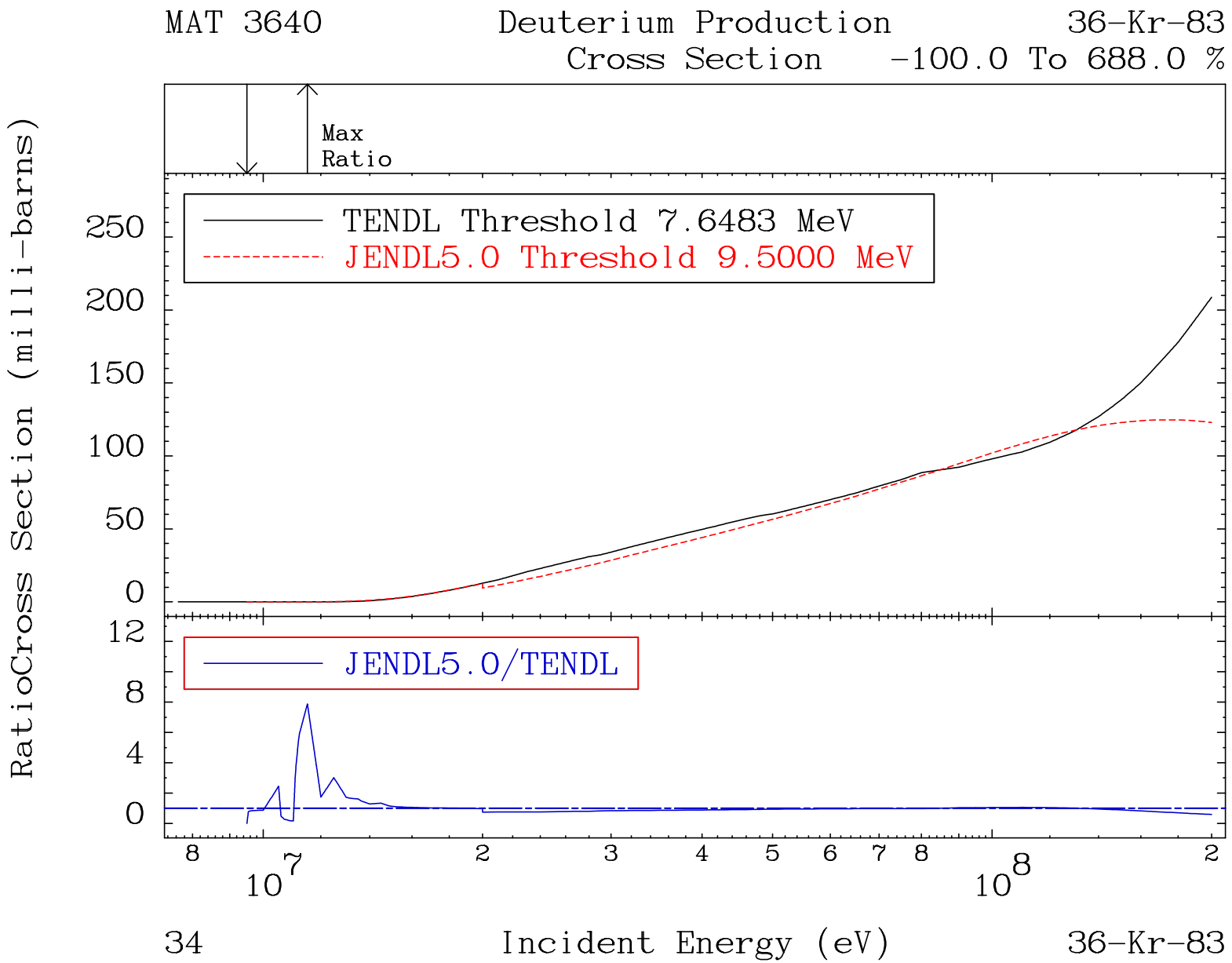

MAT 3640
(n,d)
Cross Section
36-Kr-83
-100.0 To 688.0 %
Max
Ratio
TENDL Threshold 7.6483 MeV
JENDL5.0 Threshold 9.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
12
8
4
0
8
10^7
2
3
4
5
6
7
8
10^8
2
29
Incident Energy (eV)
36-Kr-83

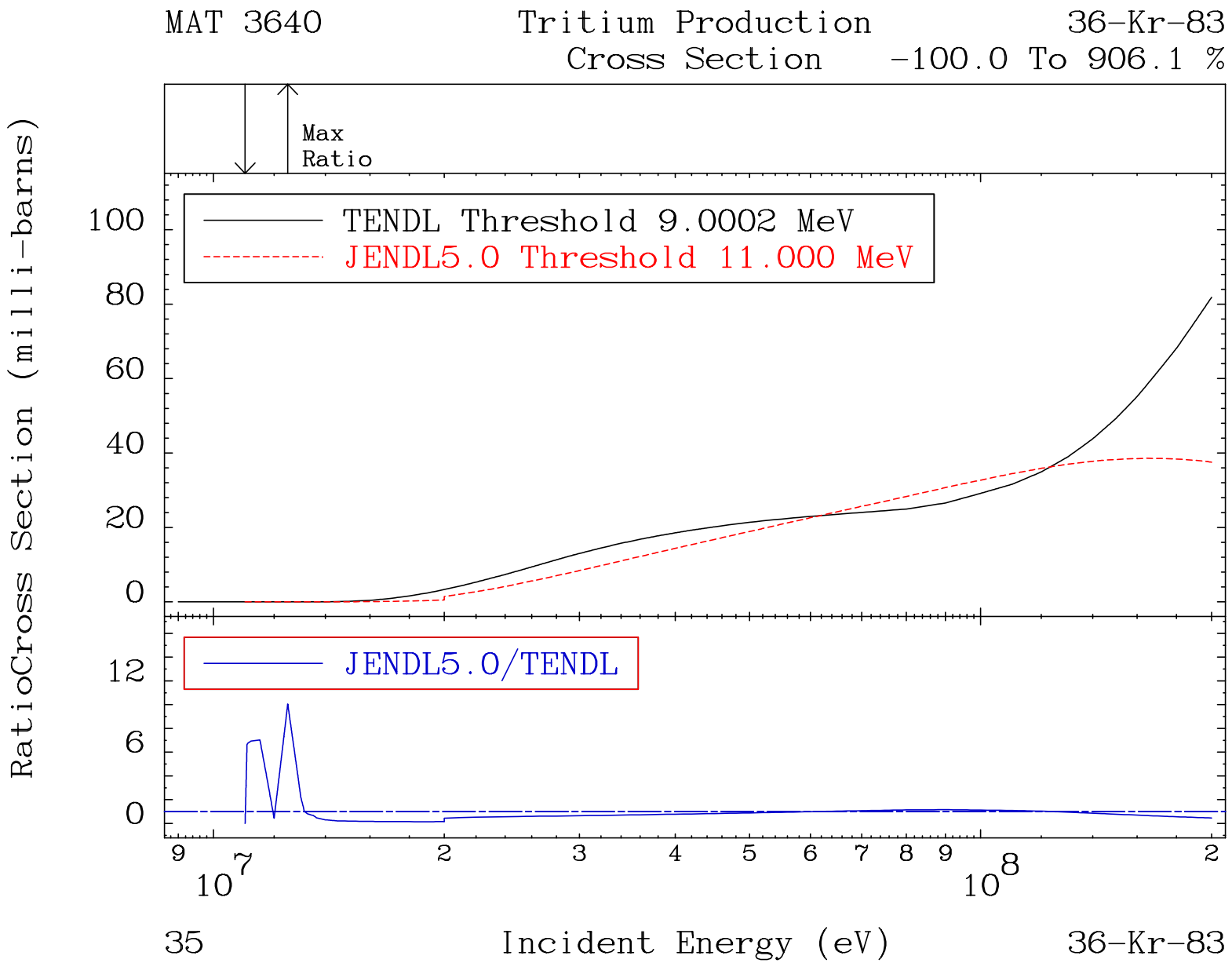

MAT 3640
(n,t)
Cross Section
36-Kr-83
-100.0 To 906.1 %
Max
Ratio
TENDL Threshold 9.0002 MeV
JENDL5.0 Threshold 11.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
30
36-Kr-83

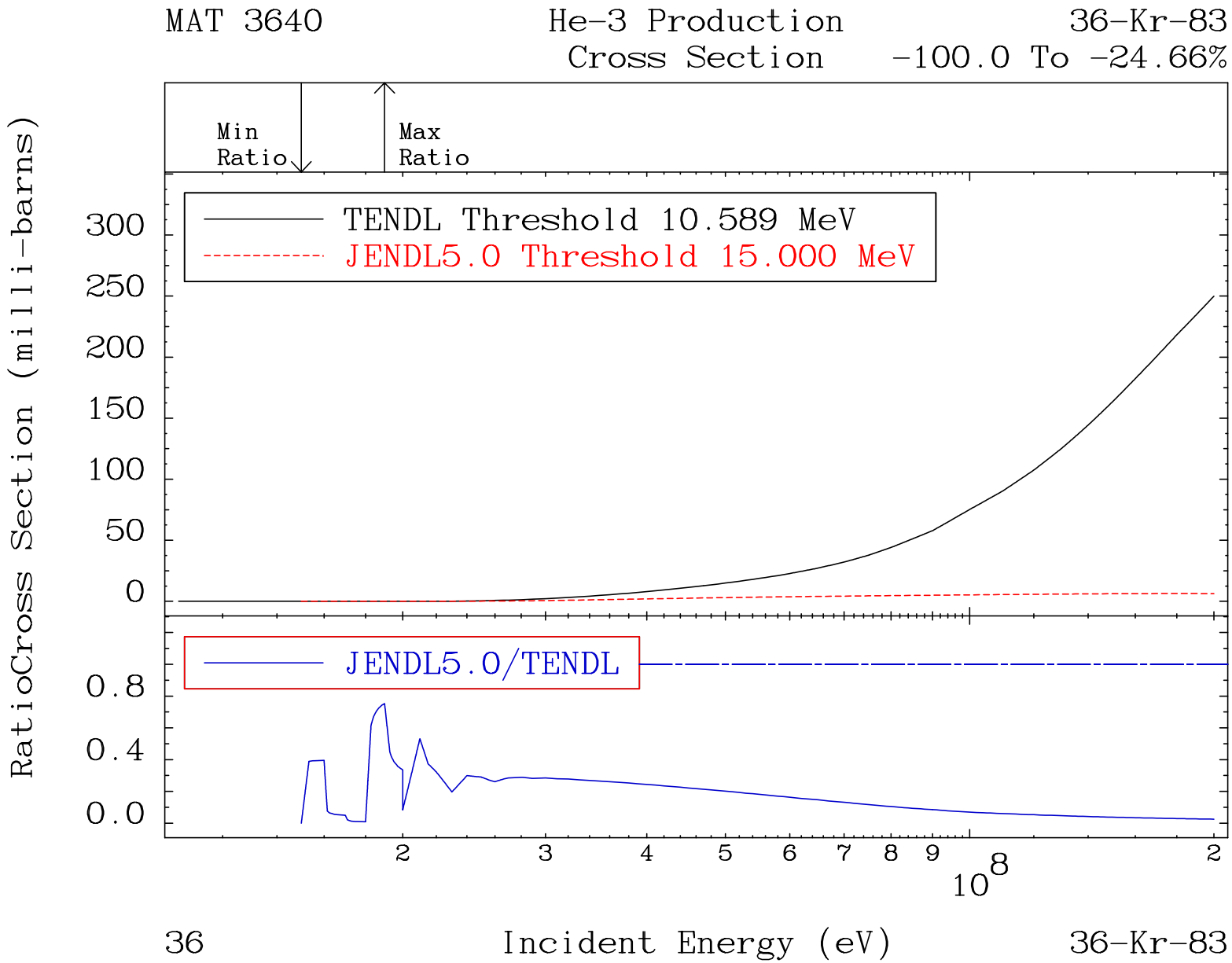

MAT 3640
(n,He-3)
Cross Section
36-Kr-83
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 10.589 MeV
JENDL5.0 Threshold 15.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
2
10^8
31
Incident Energy (eV)
36-Kr-83

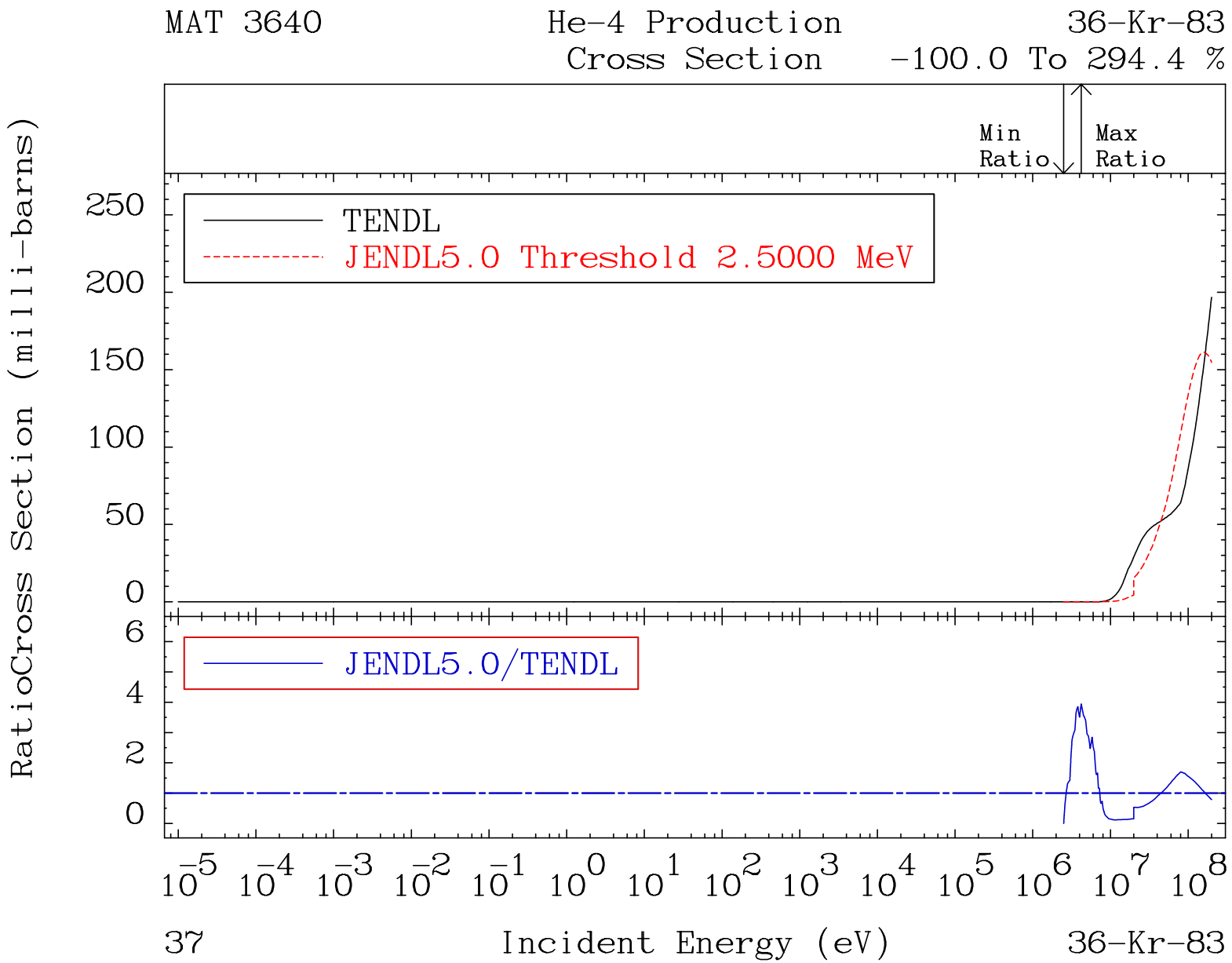

MAT 3640
(n,α)
Cross Section
36-Kr-83
-100.0 To 294.4 %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 2.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
32
36-Kr-83

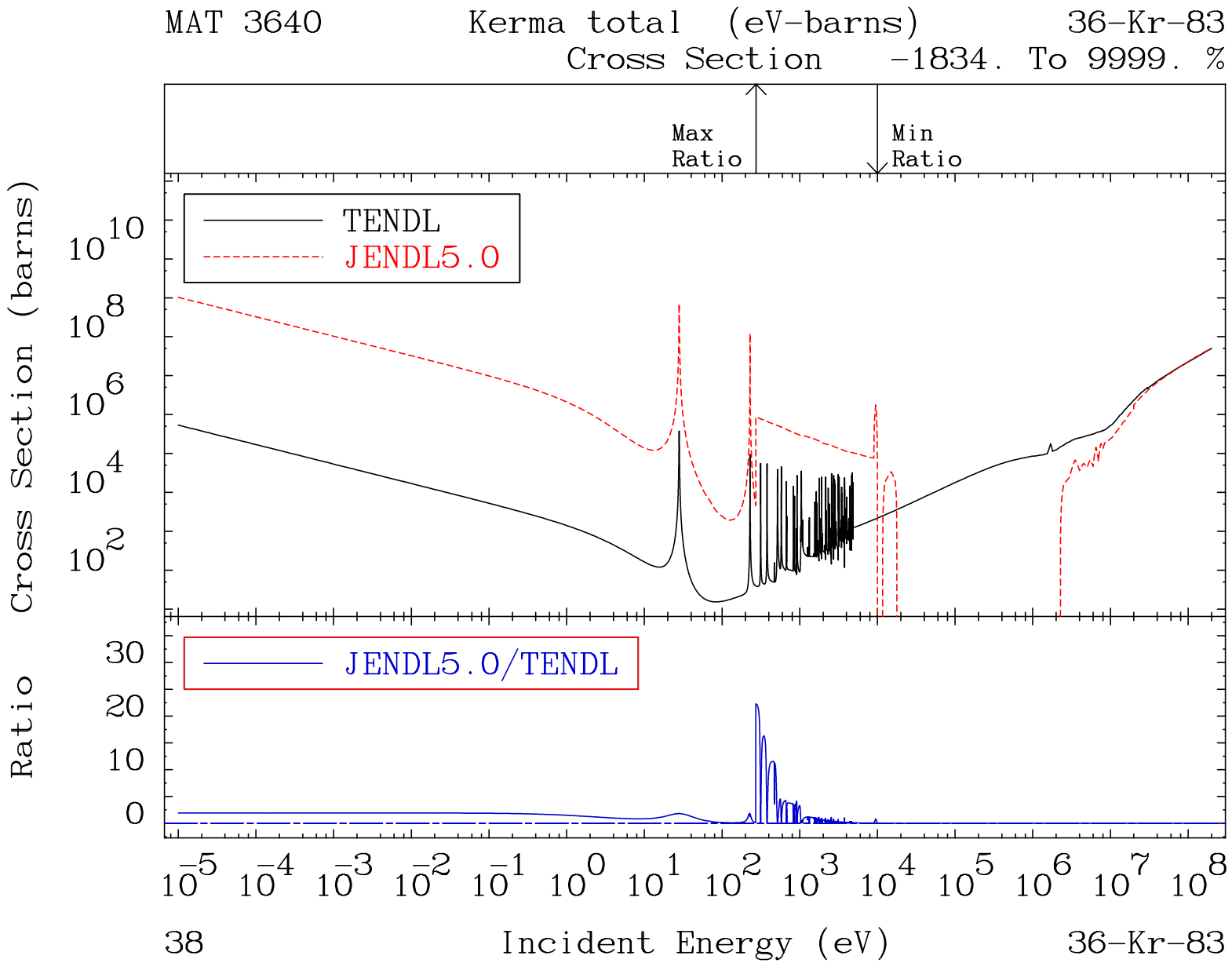

MAT 3640
Hydrogen Production
36-Kr-83
Cross Section
-100.0 To 135.8 %
Min Ratio
Max Ratio
TENDL Threshold 196.94 keV
JENDL5.0 Threshold 2.0000 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
2
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
33
Incident Energy (eV)
36-Kr-83

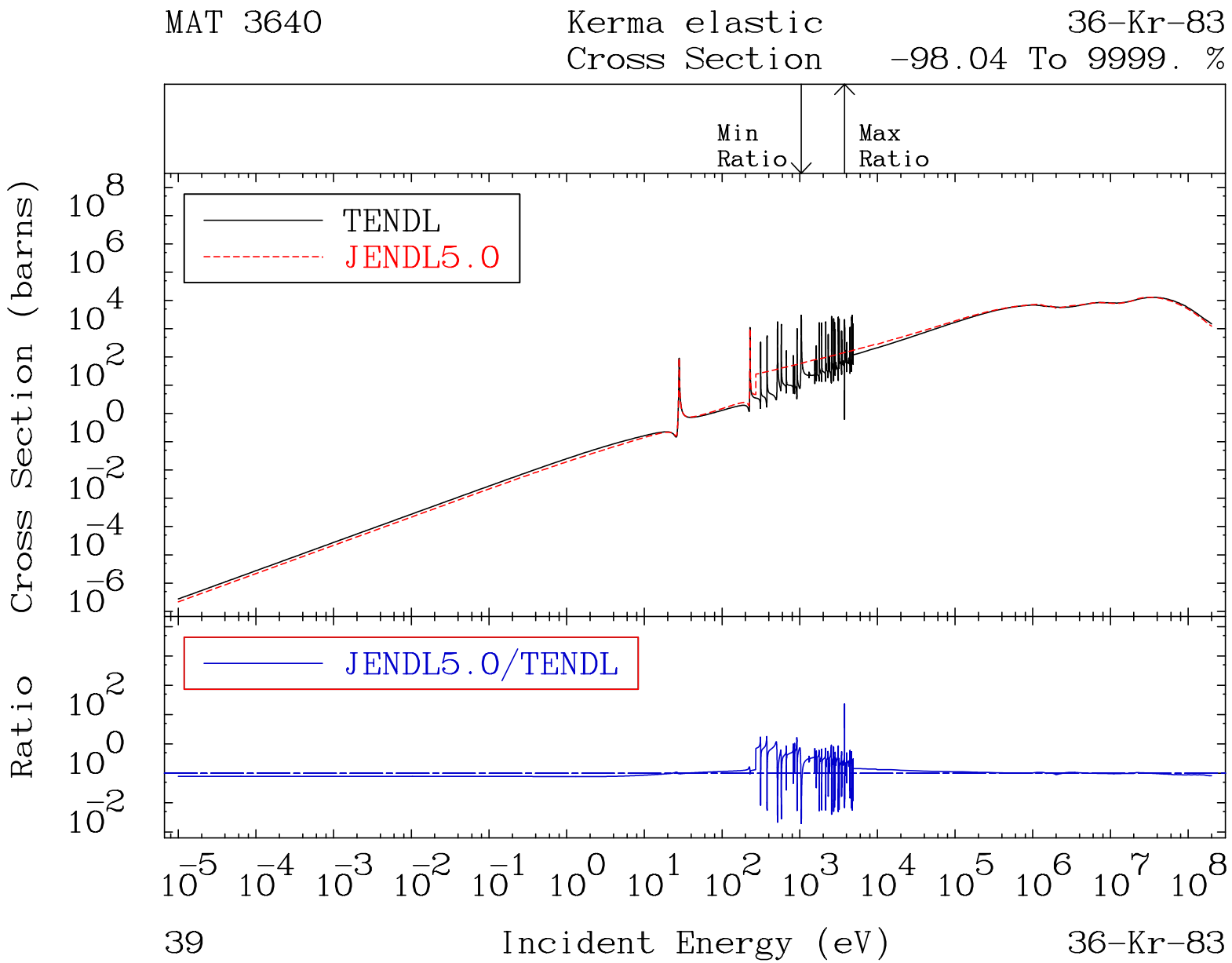

MAT 3640
Deuterium Production
36-Kr-83
Cross Section -100.0 To 688.0 %
Max
Ratio
TENDL Threshold 7.6483 MeV
JENDL5.0 Threshold 9.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
12
8
4
0
8
10^7
2
3
4
5
6
7
8
10^8
2
34
Incident Energy (eV)
36-Kr-83

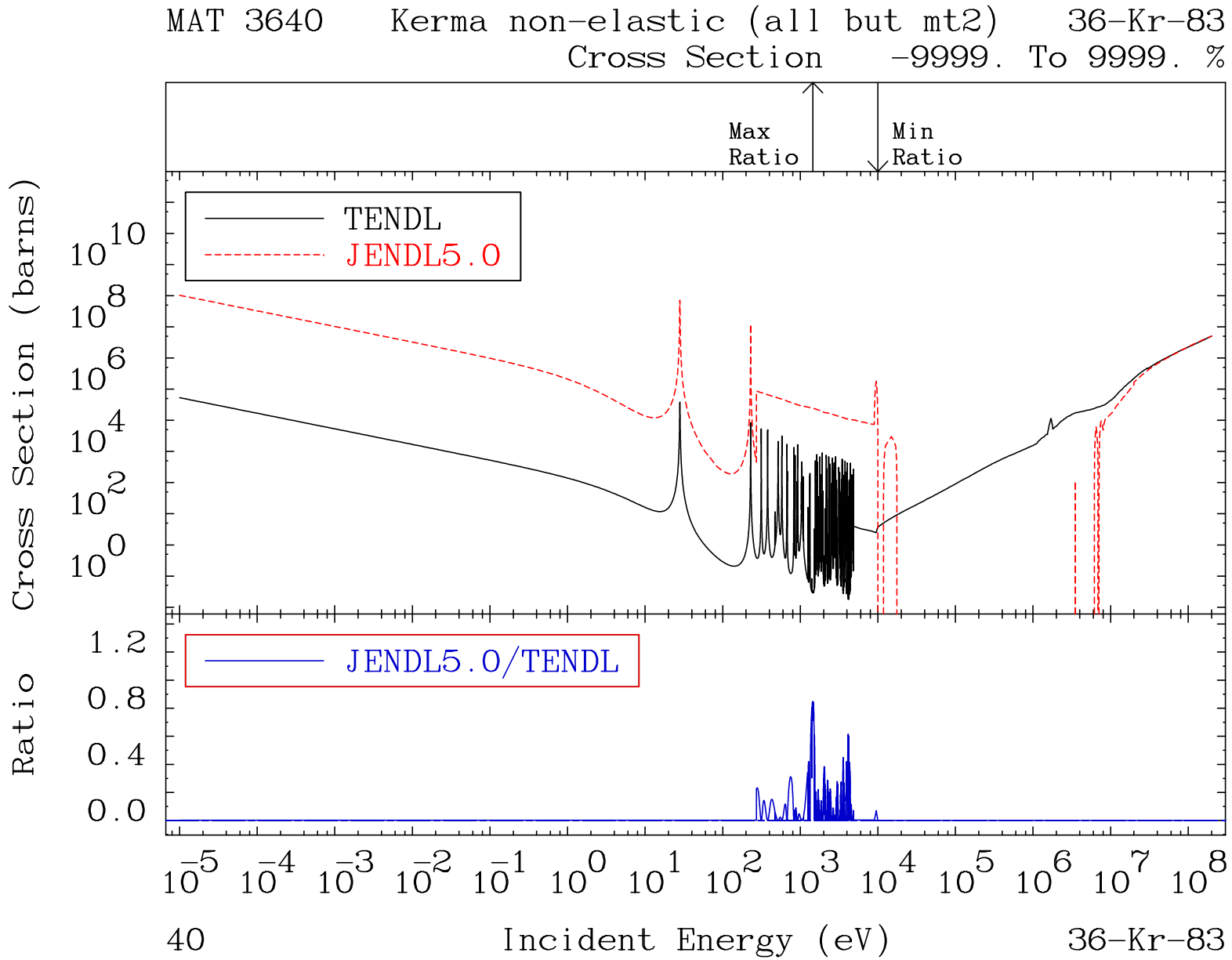

MAT 3640
Tritium Production
Cross Section
36-Kr-83
-100.0 To 906.1 %
Max
Ratio
TENDL Threshold 9.0002 MeV
JENDL5.0 Threshold 11.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
12
6
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
35
Incident Energy (eV)
36-Kr-83

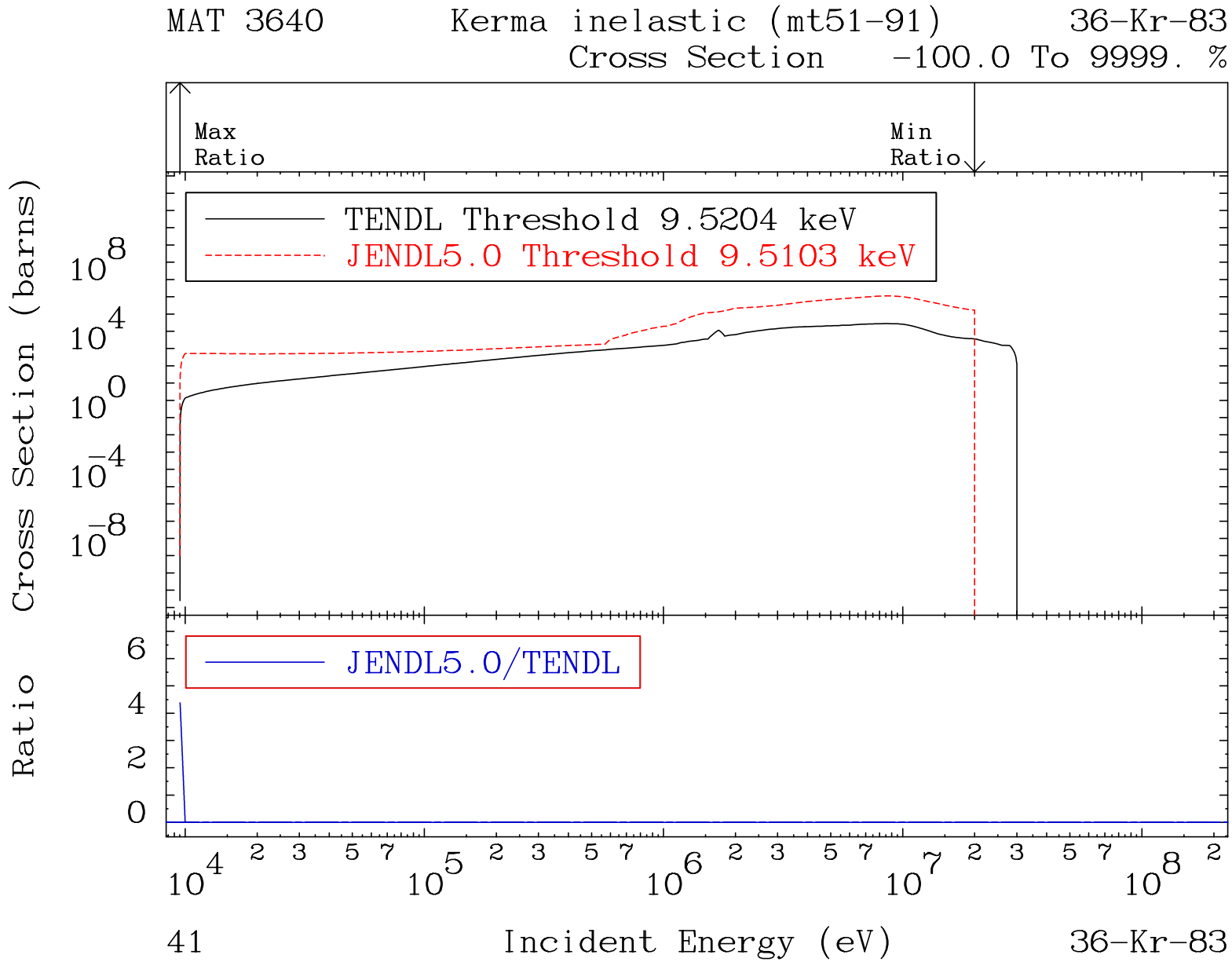

MAT 3640
He-3 Production
Cross Section
36-Kr-83
-100.0 To -24.66%
Min Ratio
Max Ratio
TENDL Threshold 10.589 MeV
JENDL5.0 Threshold 15.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
0.8
0.4
0.0
2
3
4
5
6
7
8
9
2
10^8
36
Incident Energy (eV)
36-Kr-83

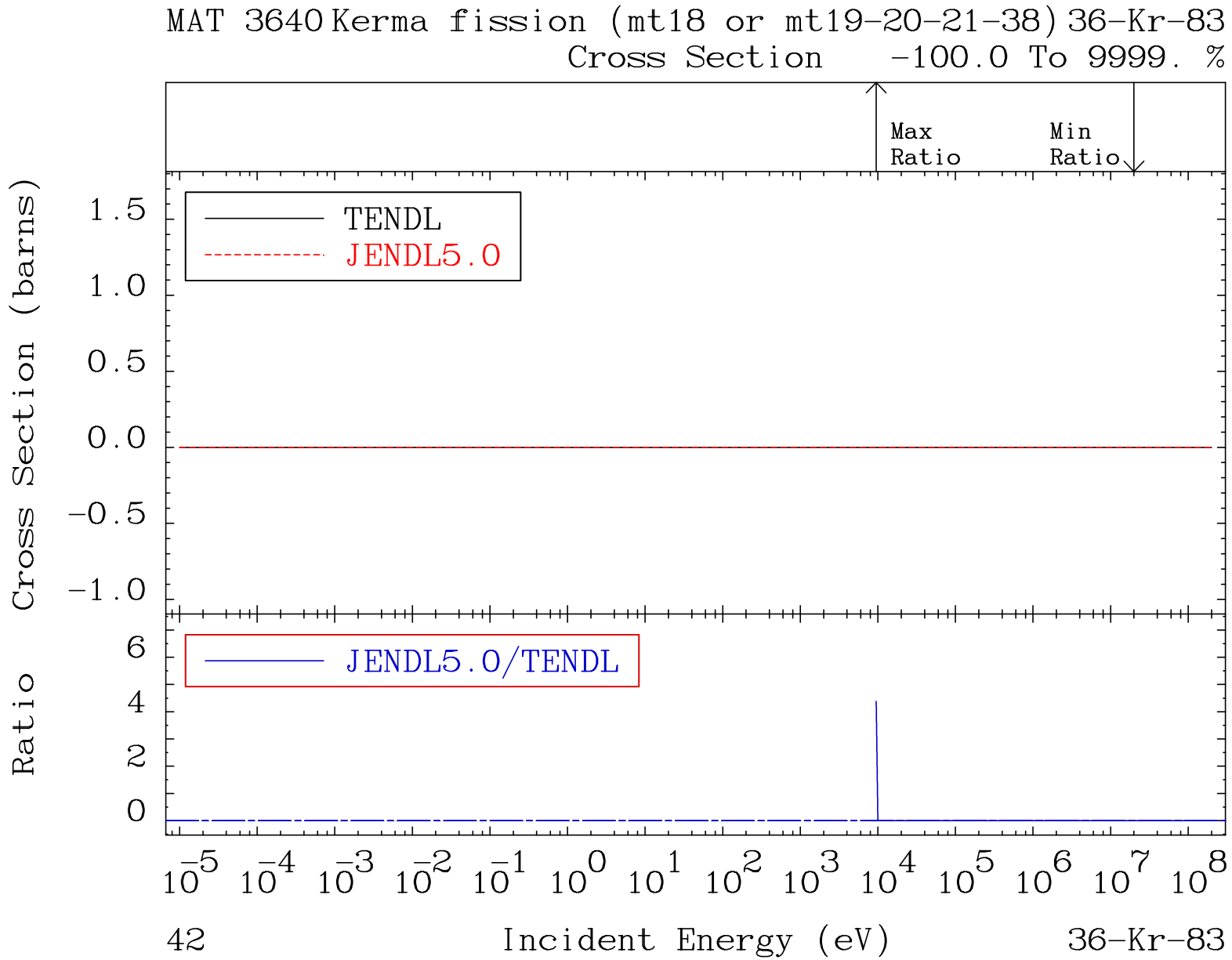

MAT 3640
He-4 Production
Cross Section
36-Kr-83
-100.0 To 294.4 %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 2.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
6
4
2
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
37
Incident Energy (eV)
36-Kr-83

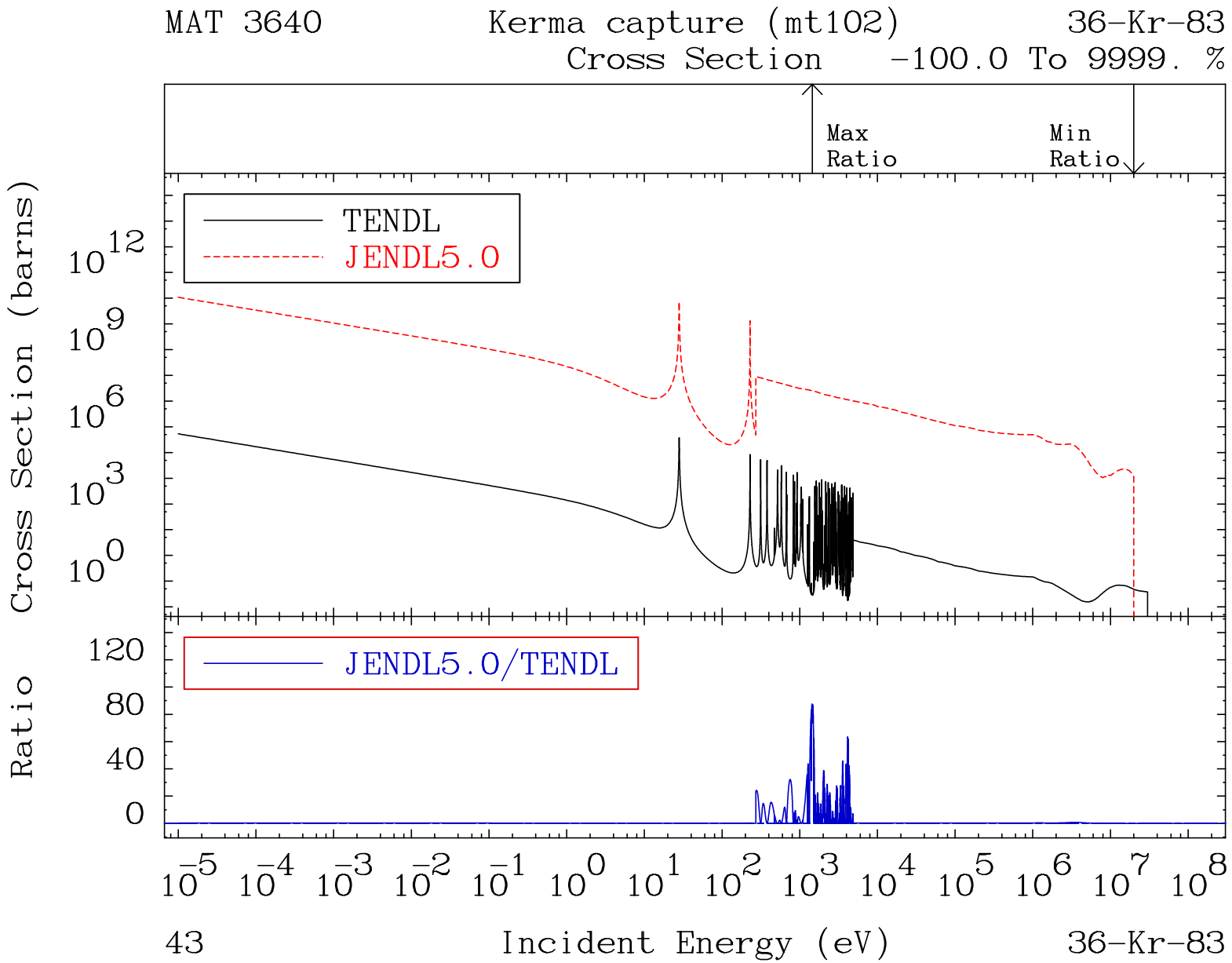

MAT 3640
Kerma total (eV-barns)
36-Kr-83
Cross Section -1834. To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
38
36-Kr-83

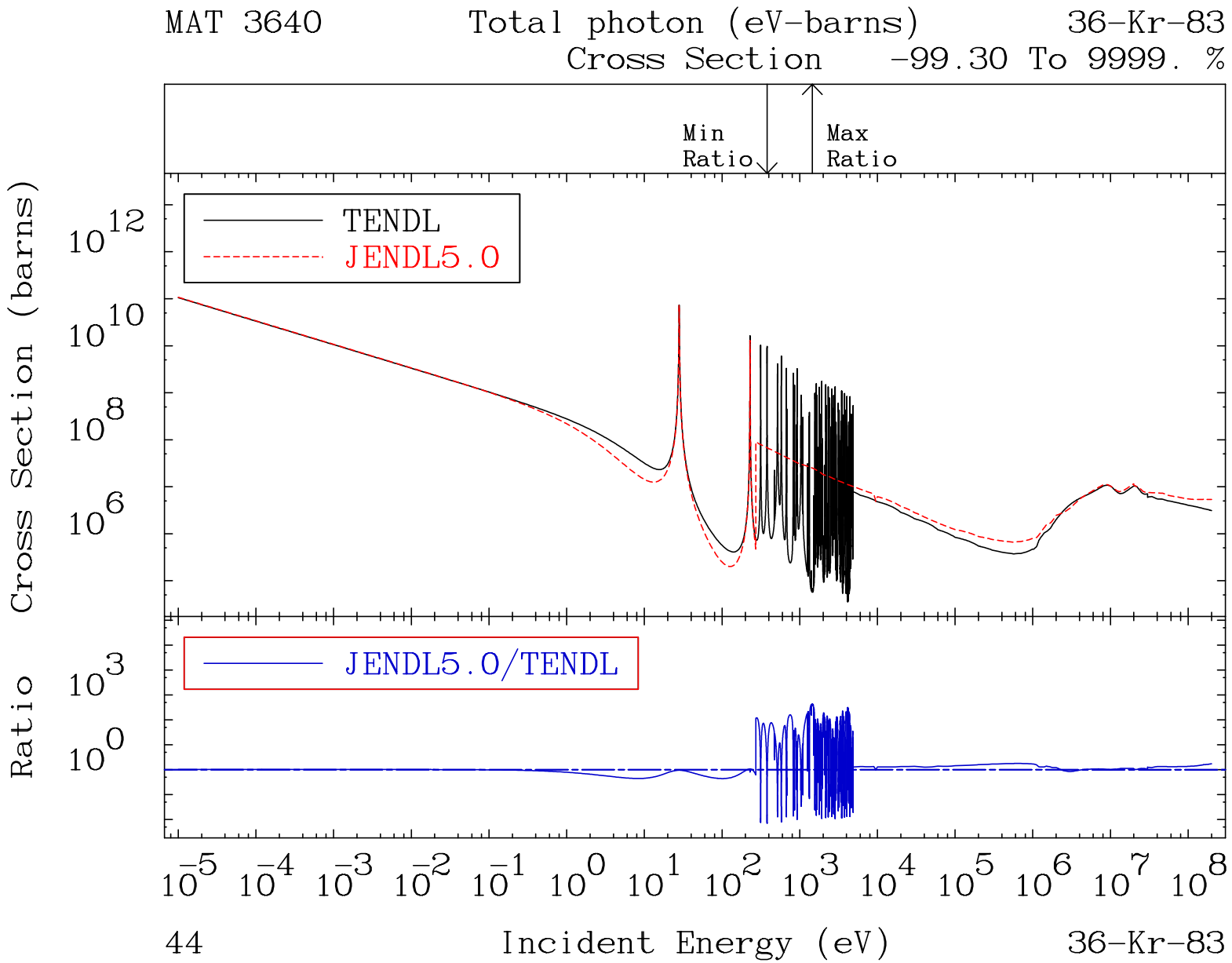

MAT 3640
Kerma elastic
Cross Section
36-Kr-83
-98.04 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
39
36-Kr-83

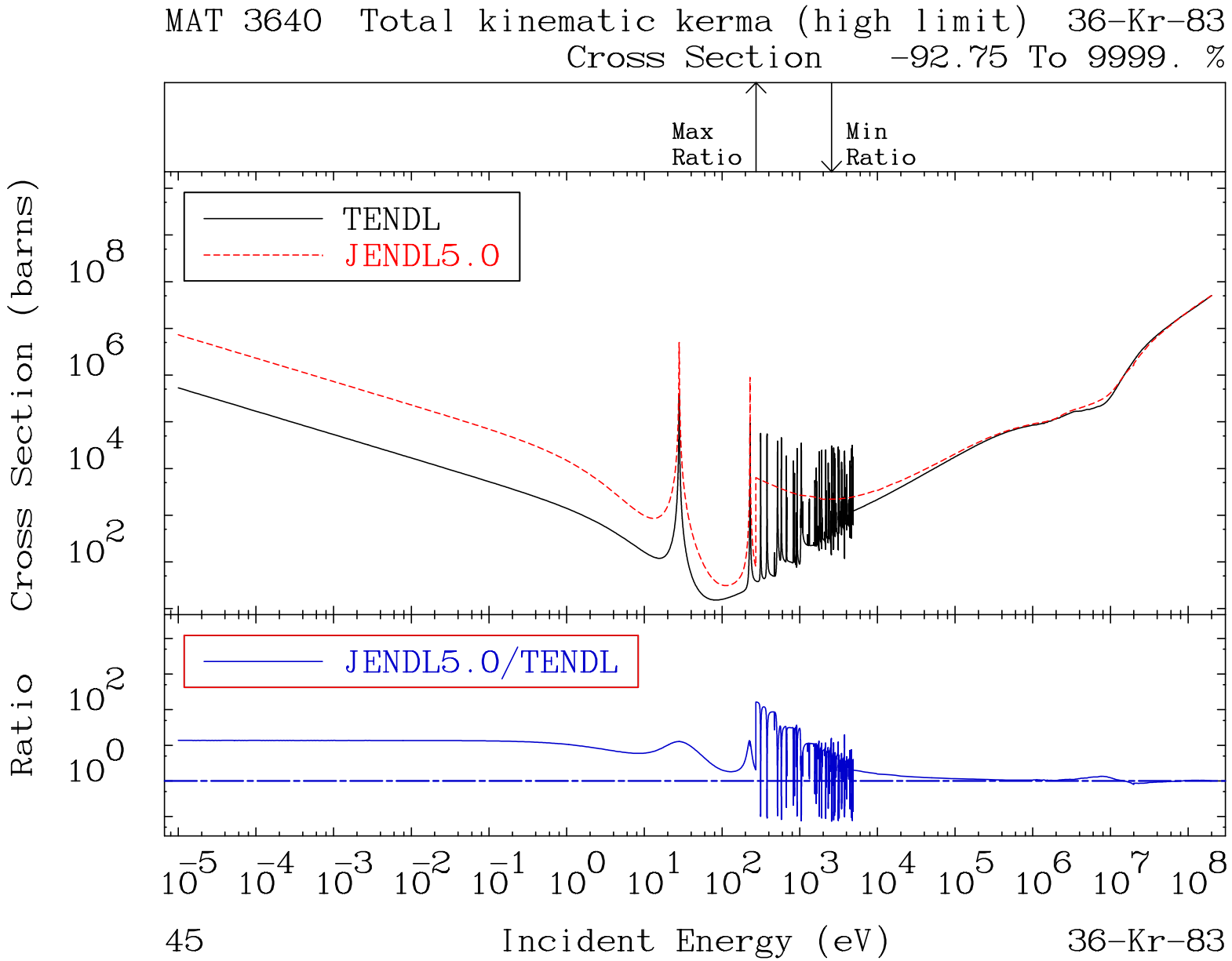

MAT 3640 Kerma non-elastic (all but mt2) 36-Kr-83
Cross Section -9999. To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
40
36-Kr-83

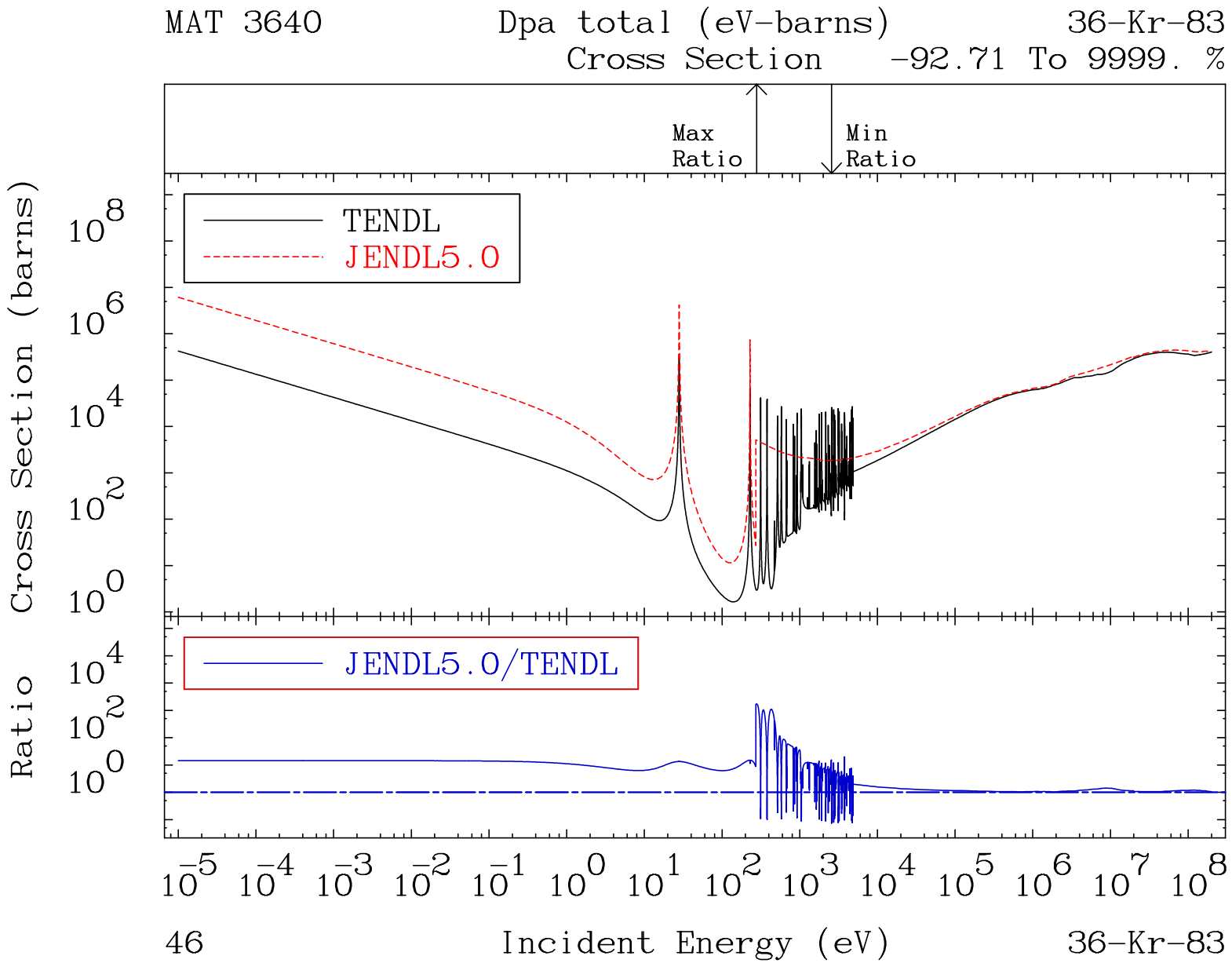

MAT 3640
Kerma inelastic (mt51-91)
36-Kr-83
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.5204 keV
JENDL5.0 Threshold 9.5103 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
41
36-Kr-83

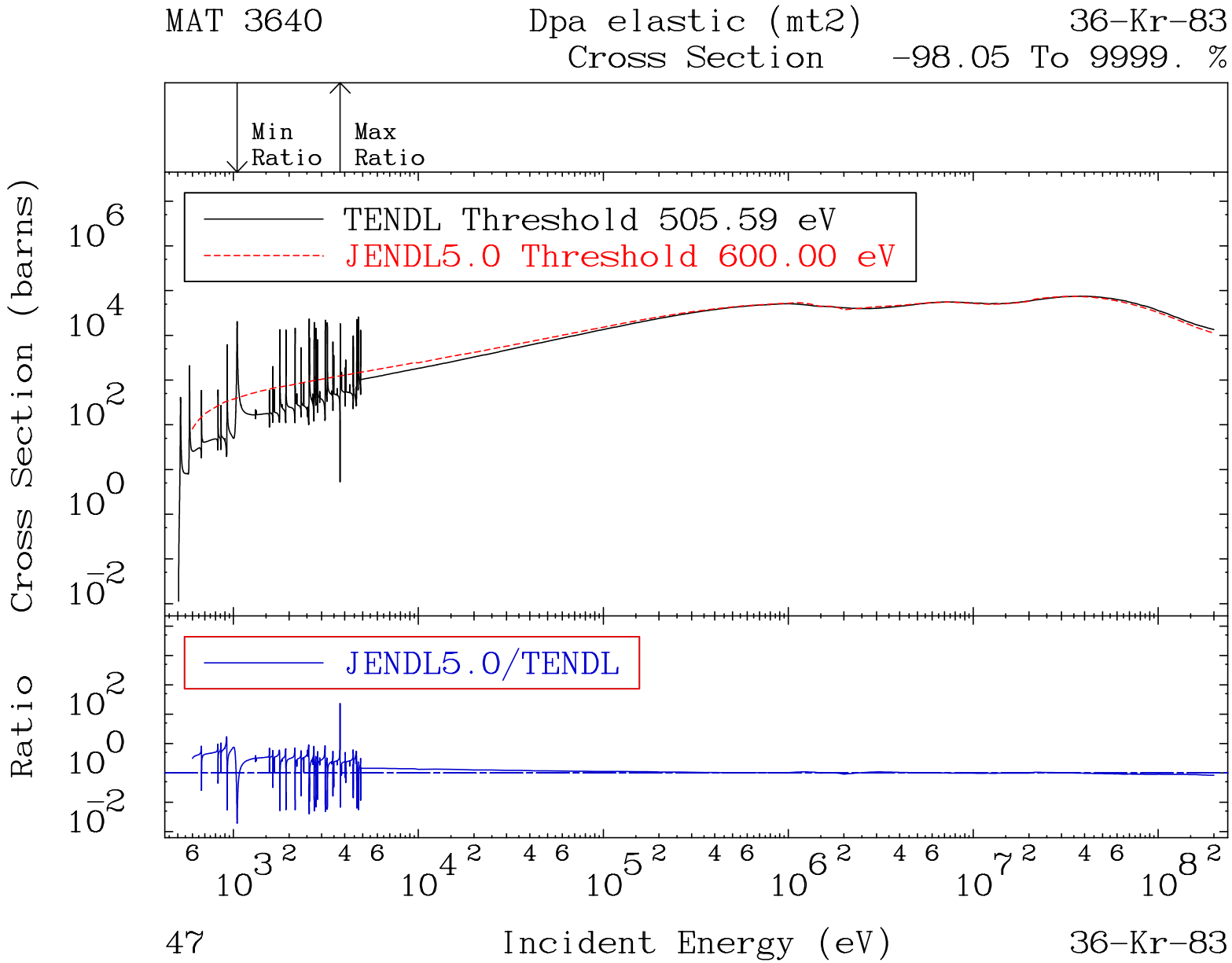

MAT 3640 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-83
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
6
4
2
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
42
Incident Energy (eV)
36-Kr-83

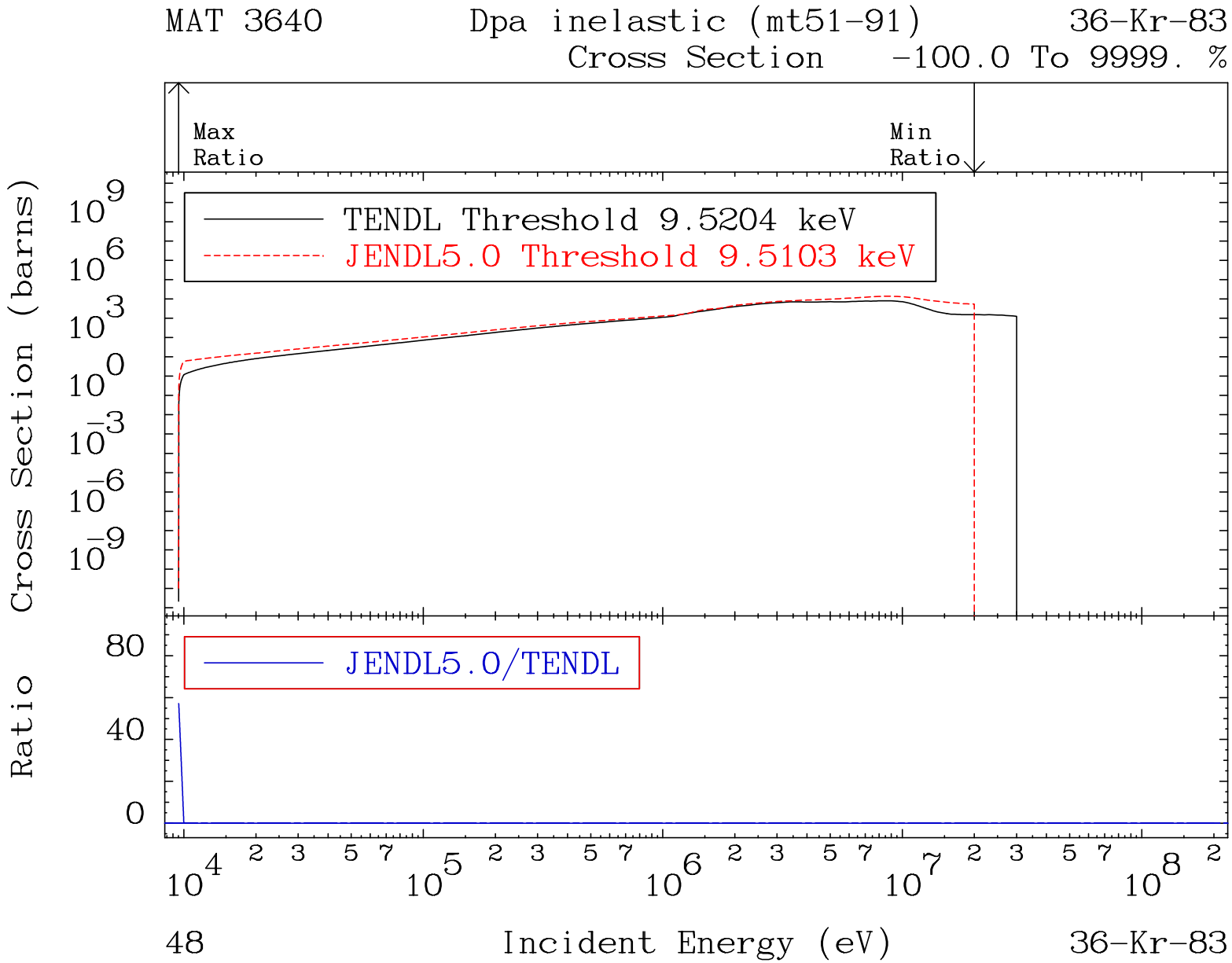

MAT 3640
Kerma capture (mt102)
36-Kr-83
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
43
36-Kr-83

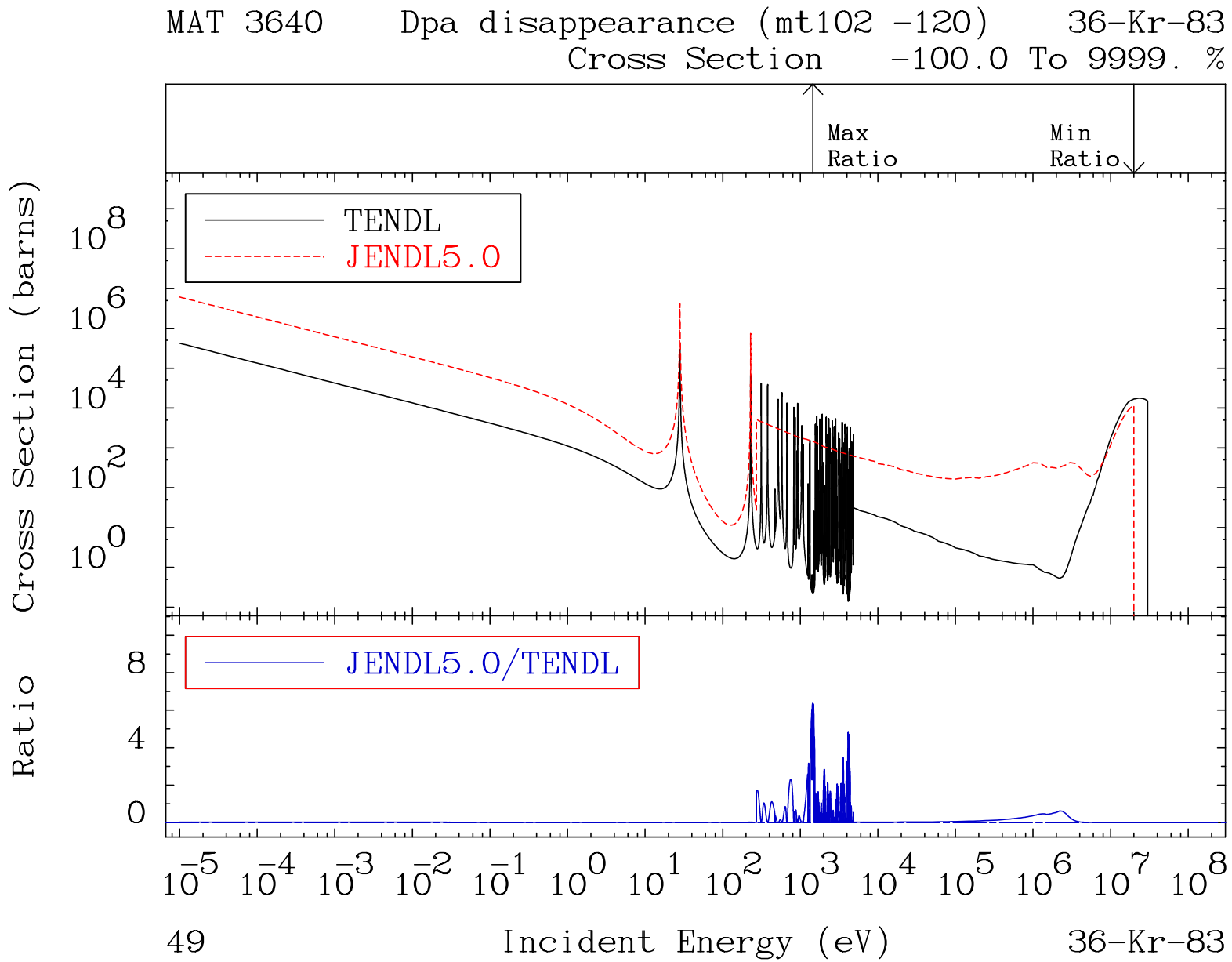

MAT 3640
Total photon (eV-barns)
36-Kr-83
Cross Section -99.30 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
44
36-Kr-83

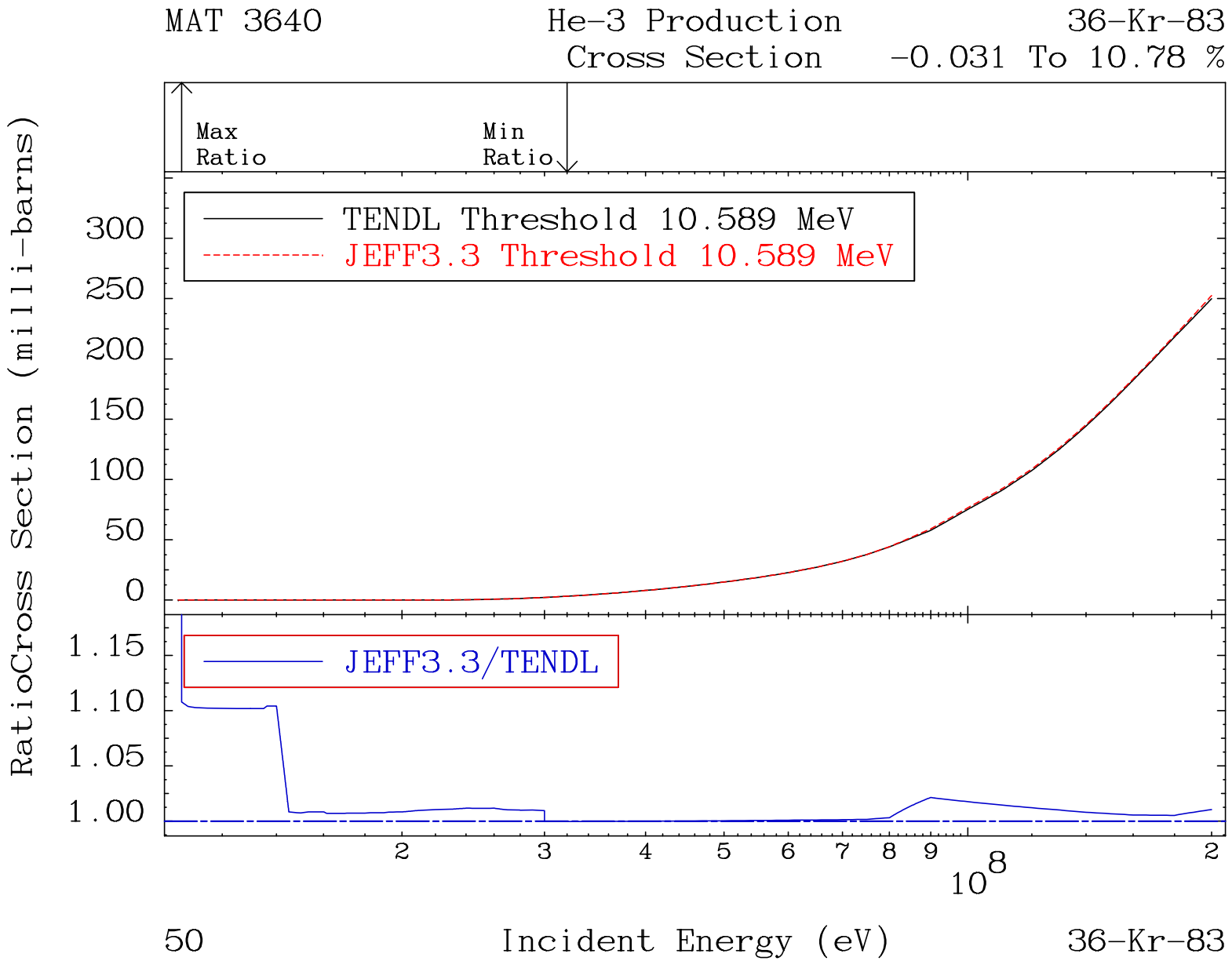

MAT 3640 Total kinematic kerma (high limit) 36-Kr-83
Cross Section -92.75 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
45
36-Kr-83

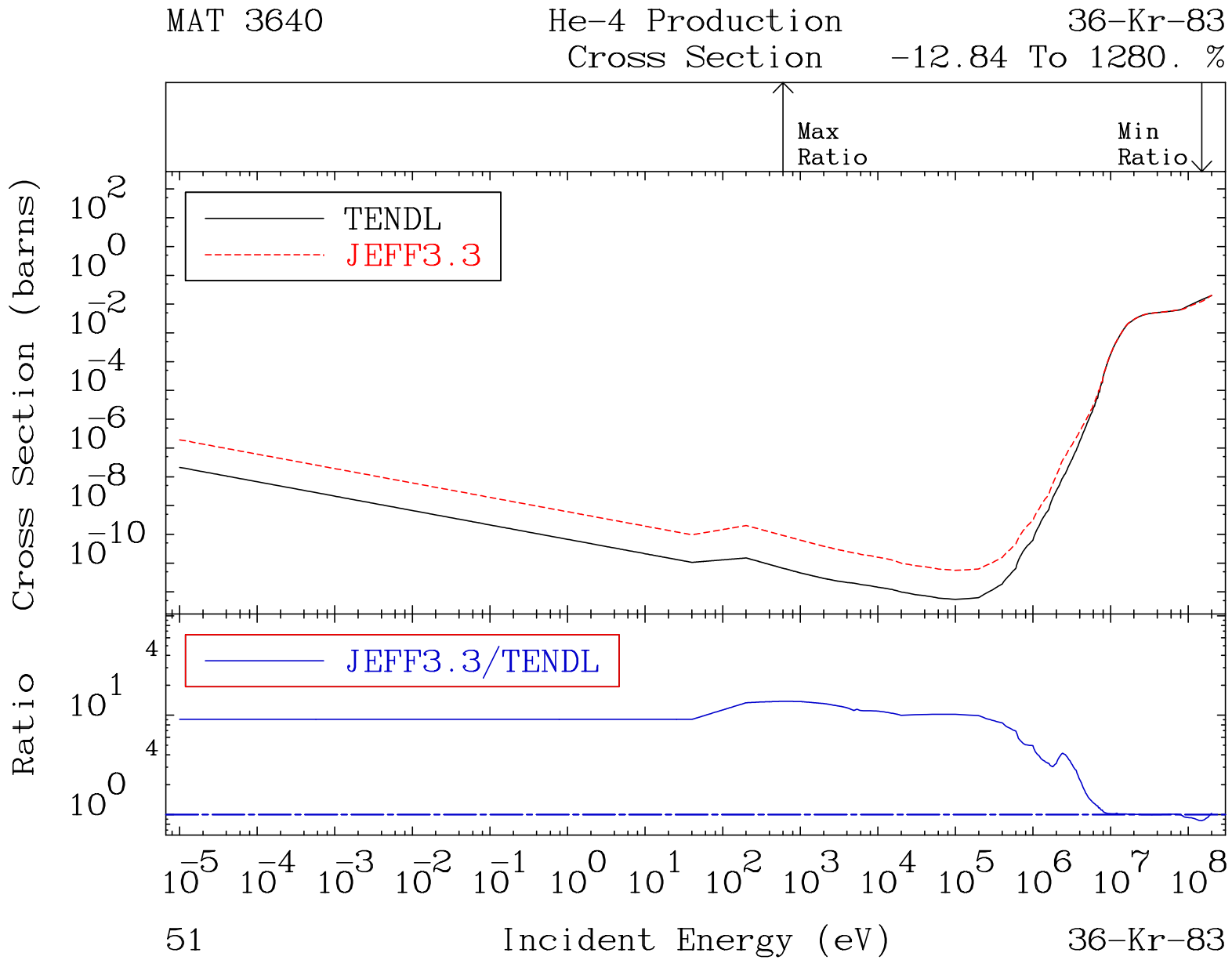

MAT 3640
Dpa total (eV-barns)
36-Kr-83
Cross Section -92.71 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
36-Kr-83

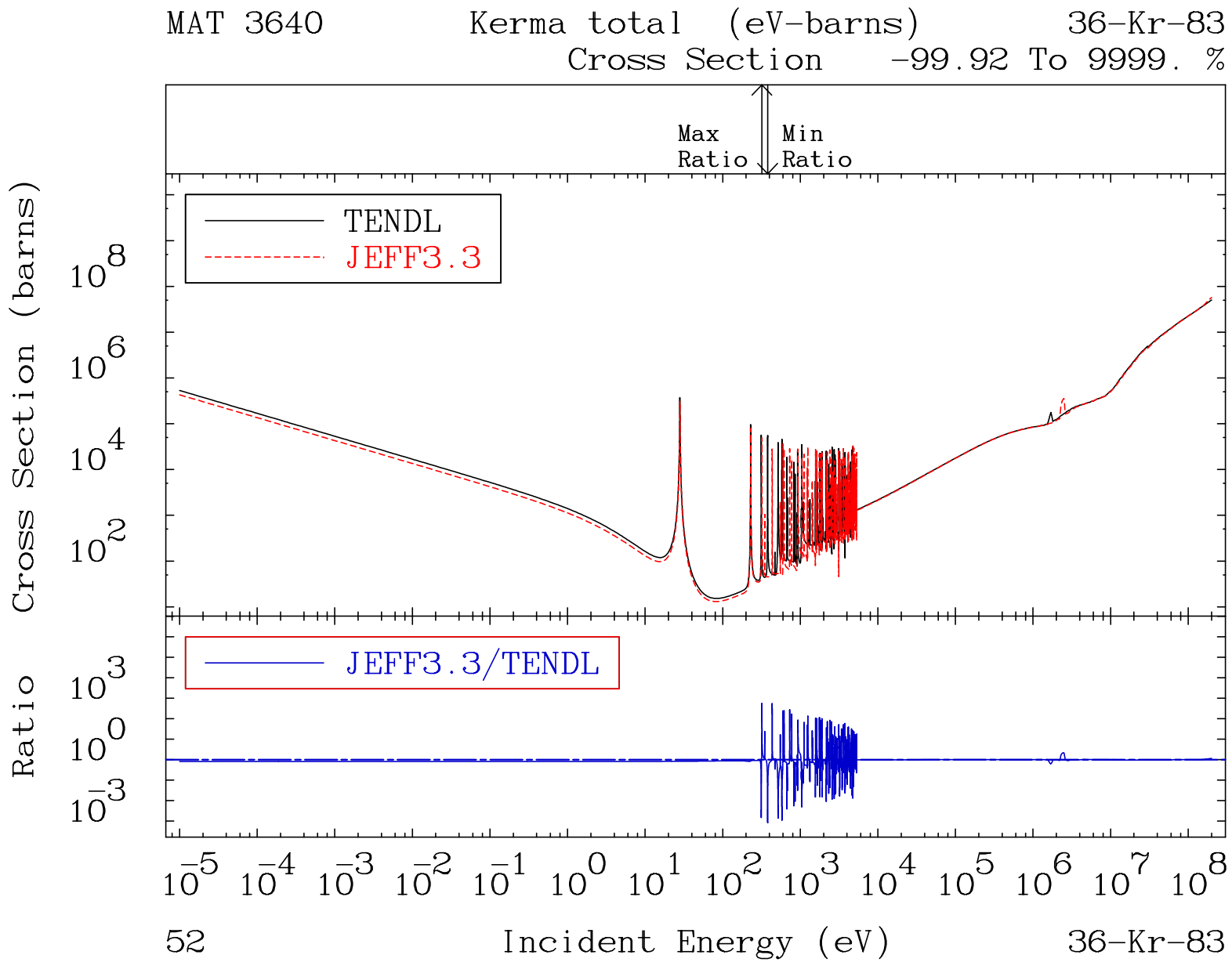

MAT 3640
Dpa elastic (mt2)
Cross Section
36-Kr-83
-98.05 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 505.59 eV
JENDL5.0 Threshold 600.00 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47
36-Kr-83

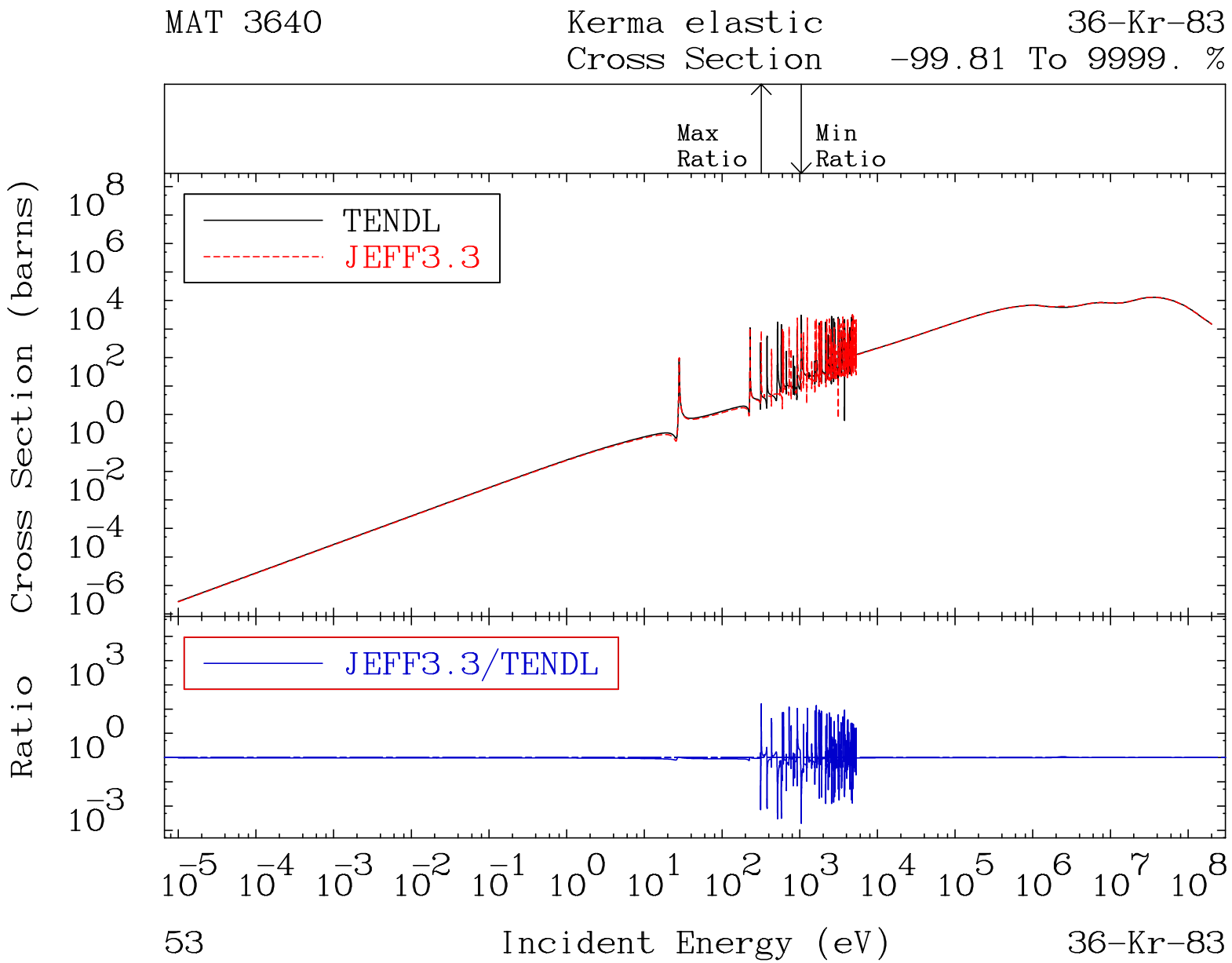

MAT 3640
Dpa inelastic (mt51-91)
36-Kr-83
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.5204 keV
JENDL5.0 Threshold 9.5103 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
48
36-Kr-83

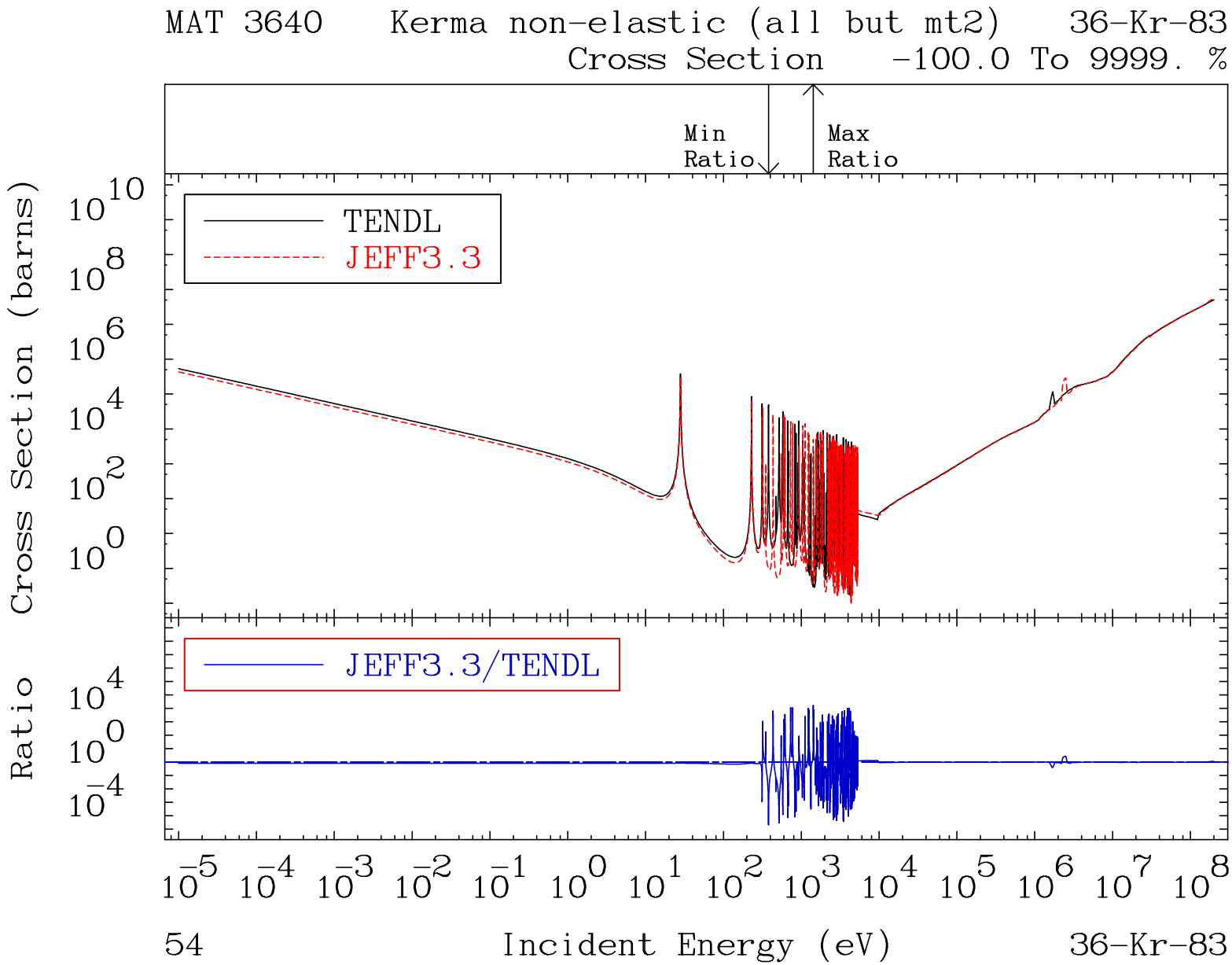

MAT 3640 Dpa disappearance (mt102 -120) 36-Kr-83
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
49
36-Kr-83

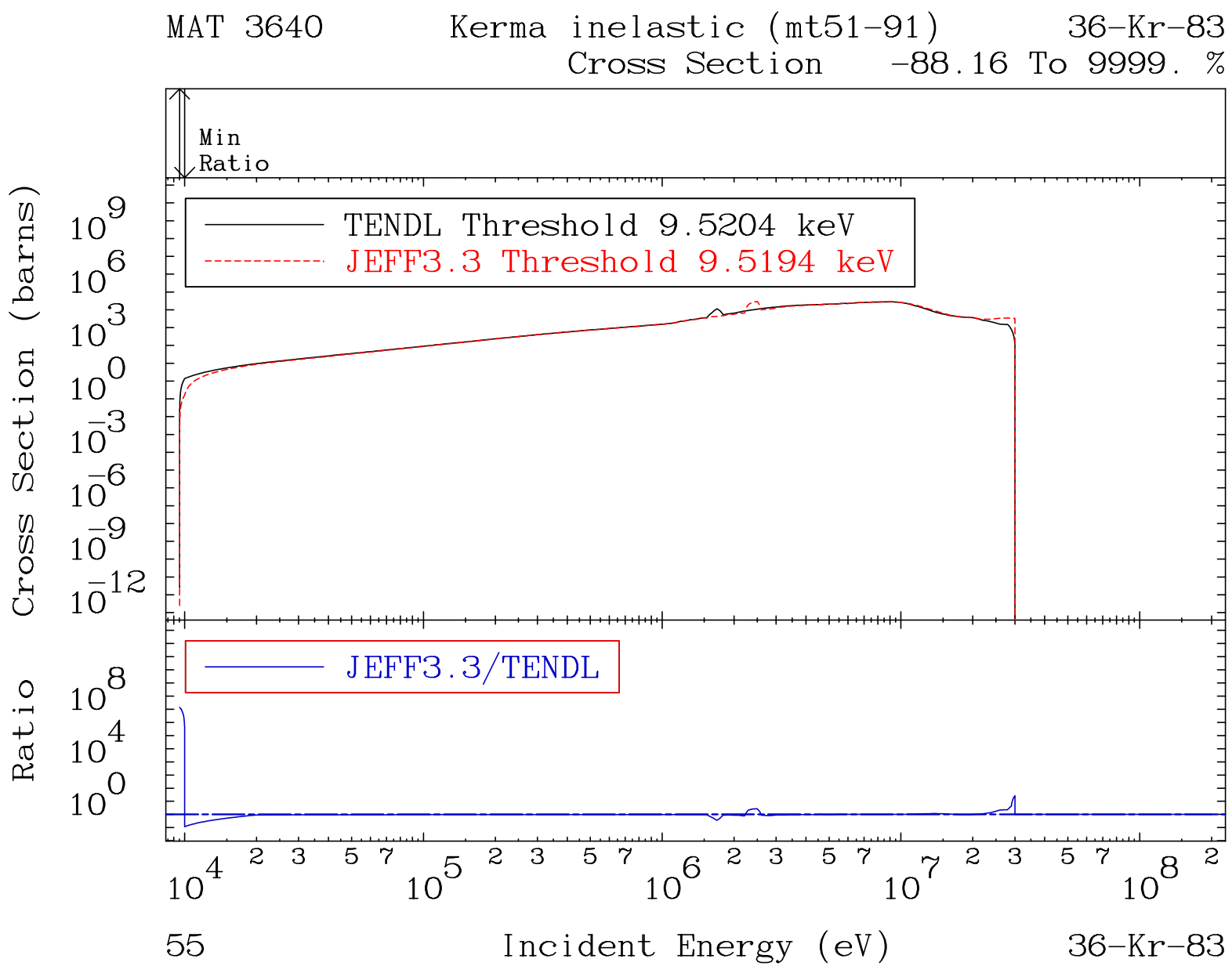

MAT 3640
He-3 Production
Cross Section
36-Kr-83
-0.031 To 10.78 %
Max Ratio
Min Ratio
TENDL Threshold 10.589 MeV
JEFF3.3 Threshold 10.589 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
1.15
1.10
1.05
1.00
2
3
4
5
6
7
8
9
10^8
2
50
Incident Energy (eV)
36-Kr-83

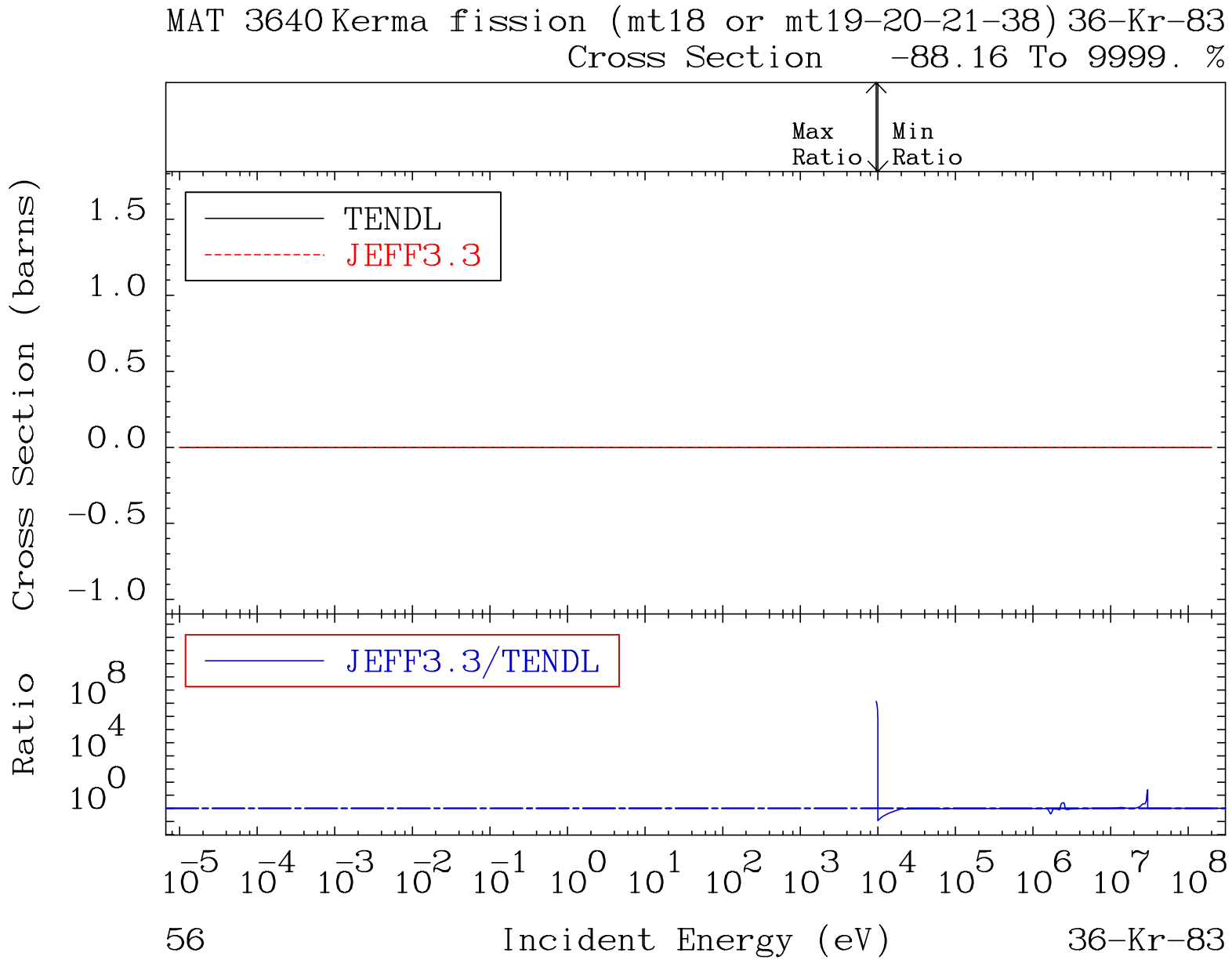

MAT 3640
He-4 Production
Cross Section
36-Kr-83
-12.84 To 1280. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
36-Kr-83

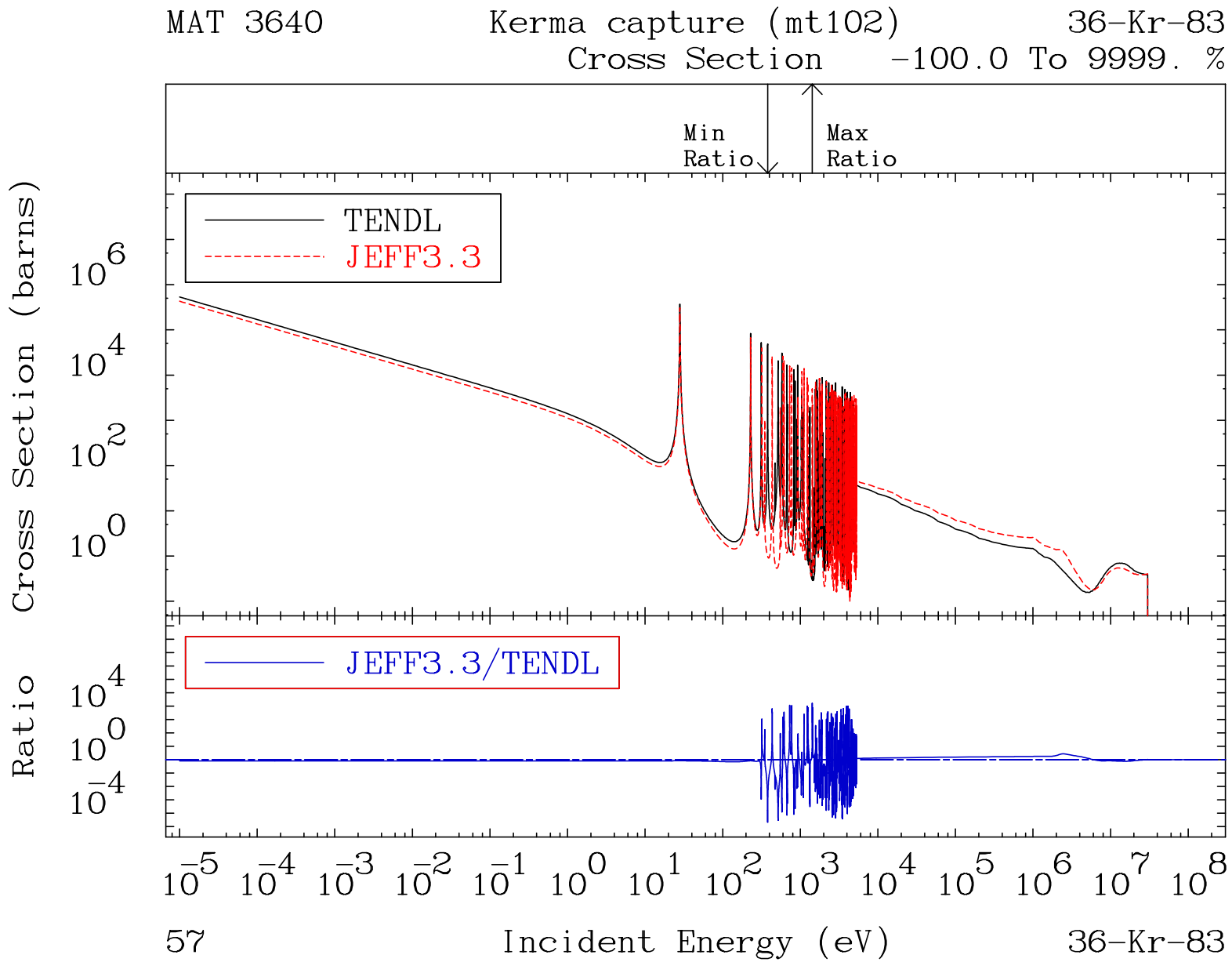

MAT 3640
Kerma total (eV-barns)
36-Kr-83
Cross Section -99.92 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
52
36-Kr-83

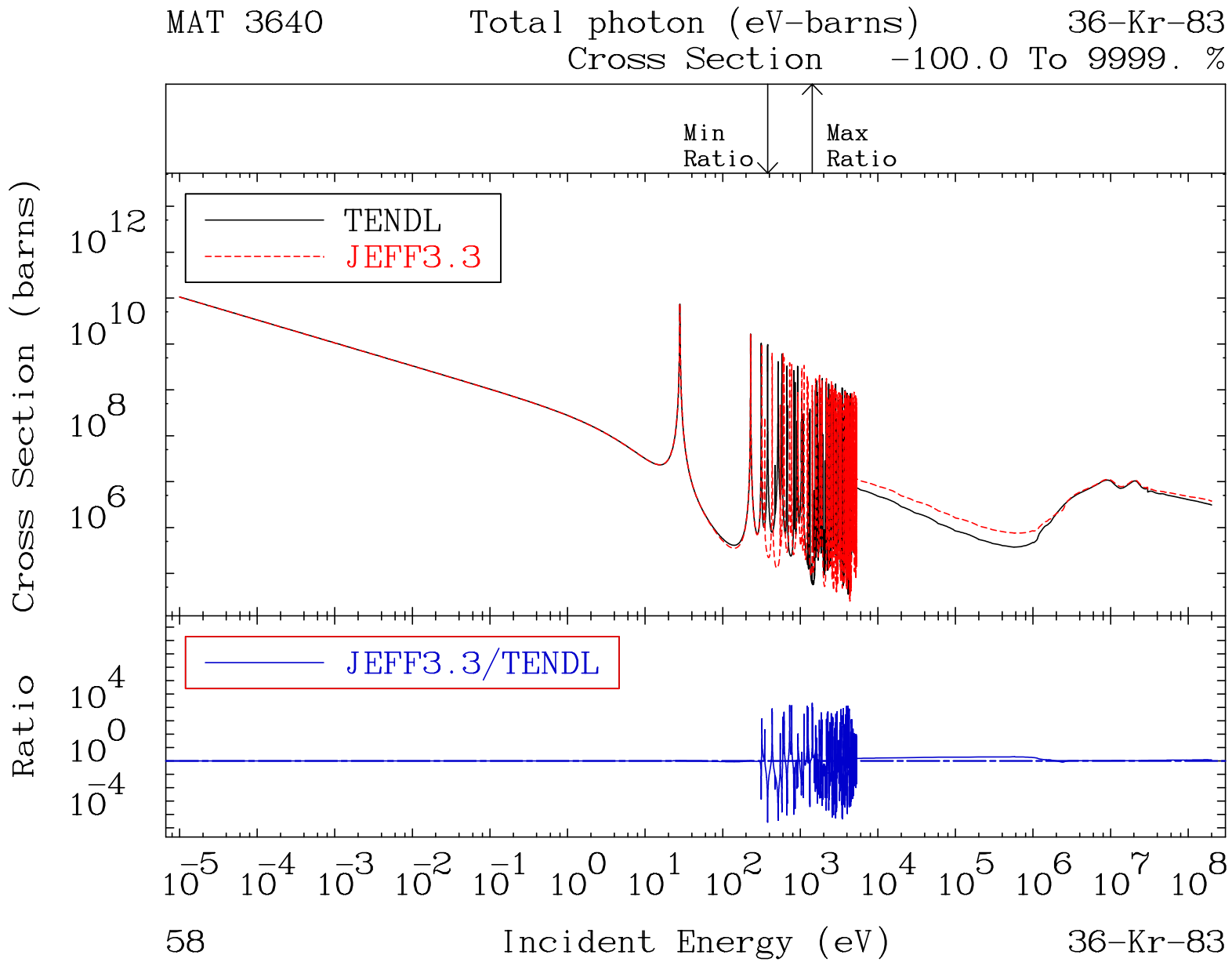

MAT 3640
Kerma elastic
Cross Section
36-Kr-83
-99.81 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
36-Kr-83

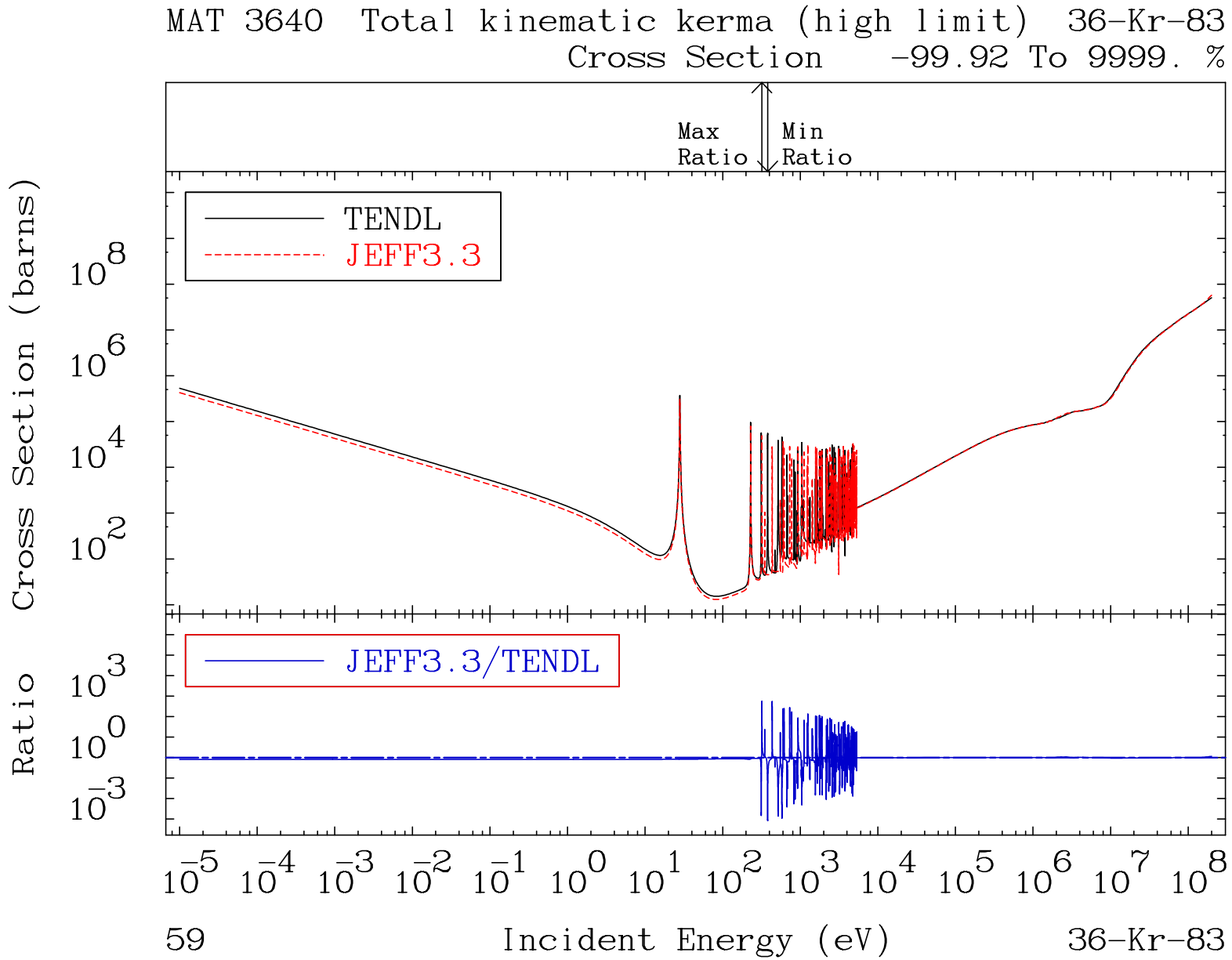

MAT 3640 Kerma non-elastic (all but mt2) 36-Kr-83
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
36-Kr-83

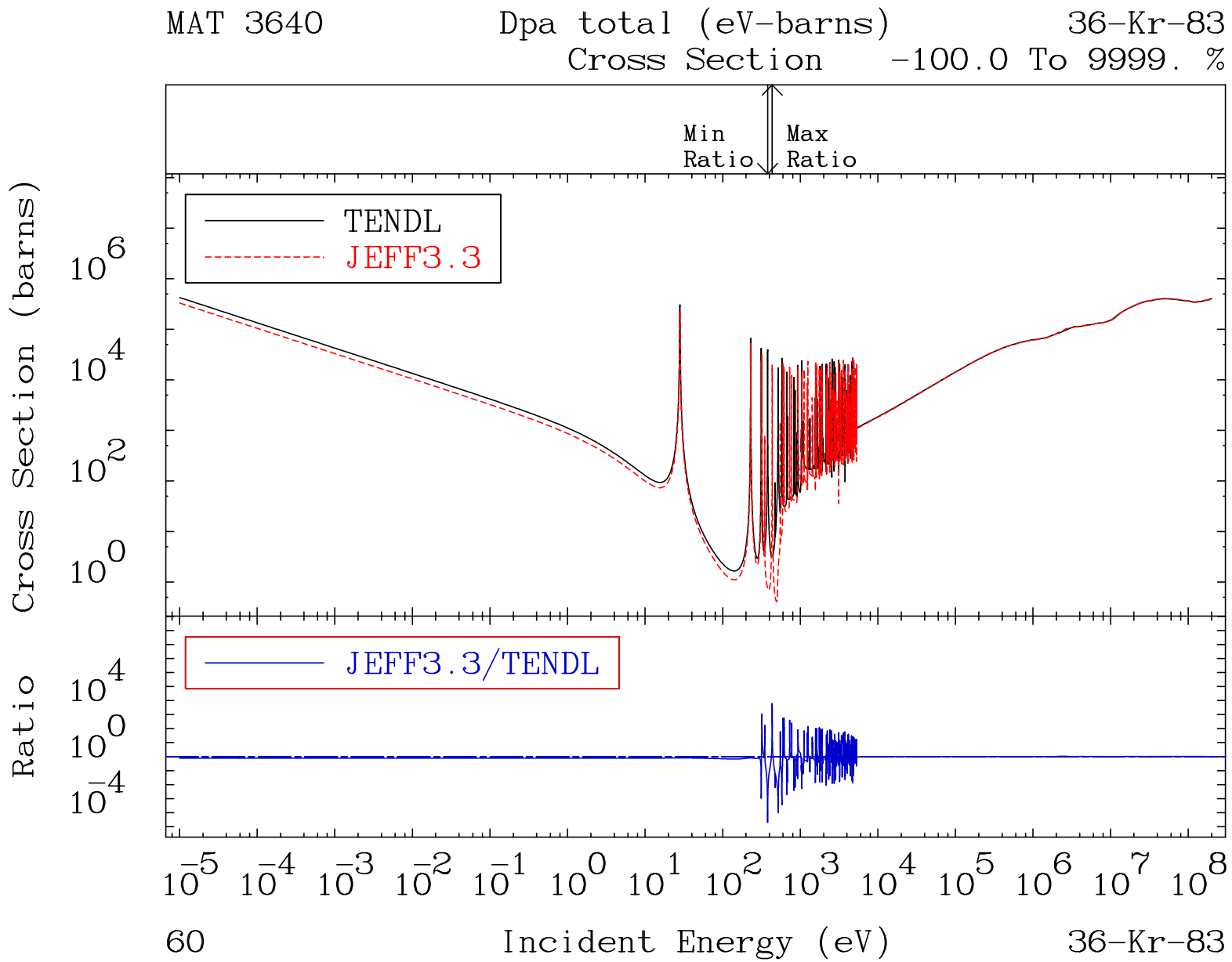

MAT 3640
Kerma inelastic (mt51-91)
36-Kr-83
Cross Section -88.16 To 9999. %
Min
Ratio
TENDL Threshold 9.5204 keV
JEFF3.3 Threshold 9.5194 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
36-Kr-83

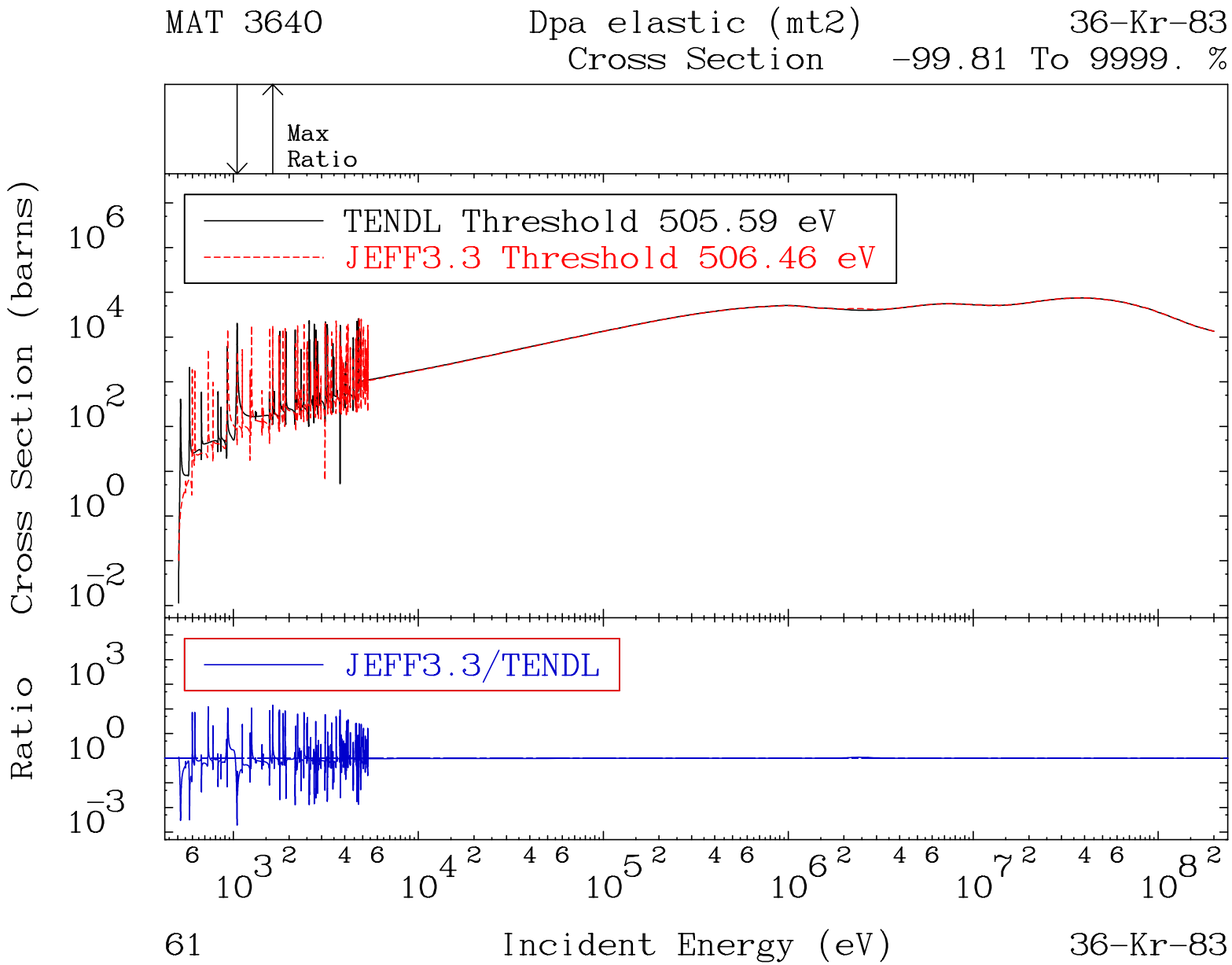

MAT 3640 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-83
Cross Section -88.16 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{8}
10^{4}
10^{0}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
56
Incident Energy (eV)
36-Kr-83

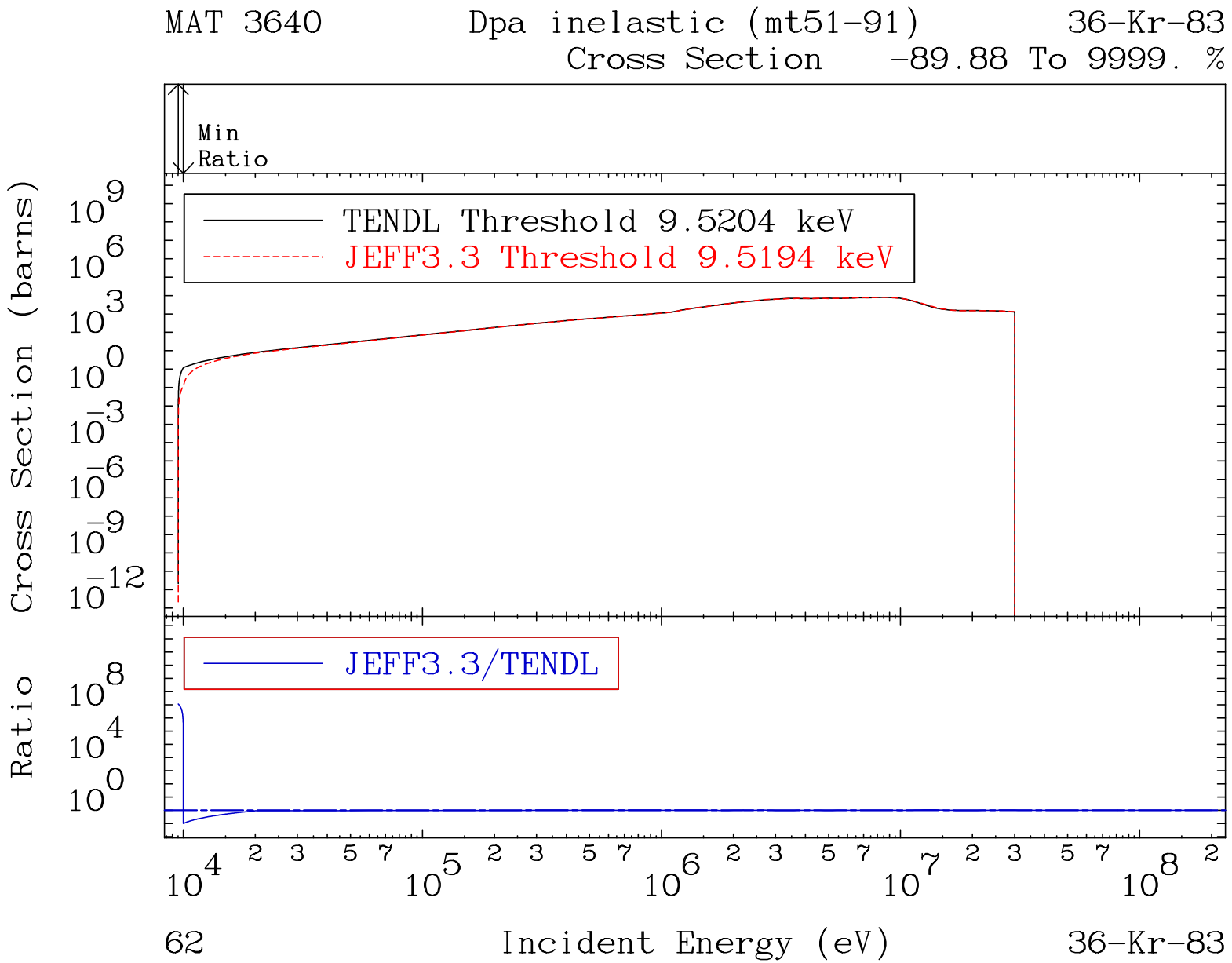

MAT 3640
Kerma capture (mt102)
36-Kr-83
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
57
36-Kr-83

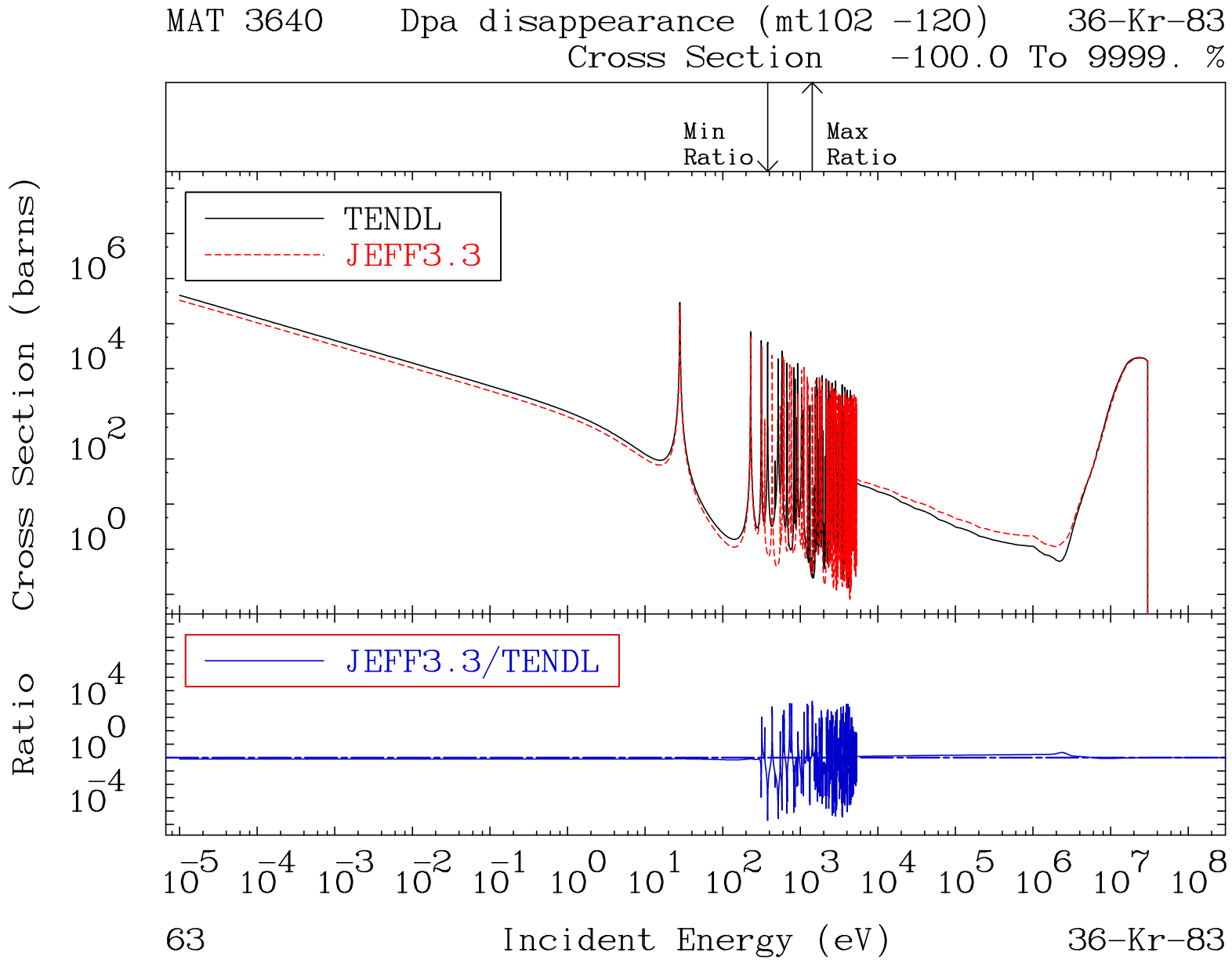

MAT 3640
Total photon (eV-barns)
36-Kr-83
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
36-Kr-83

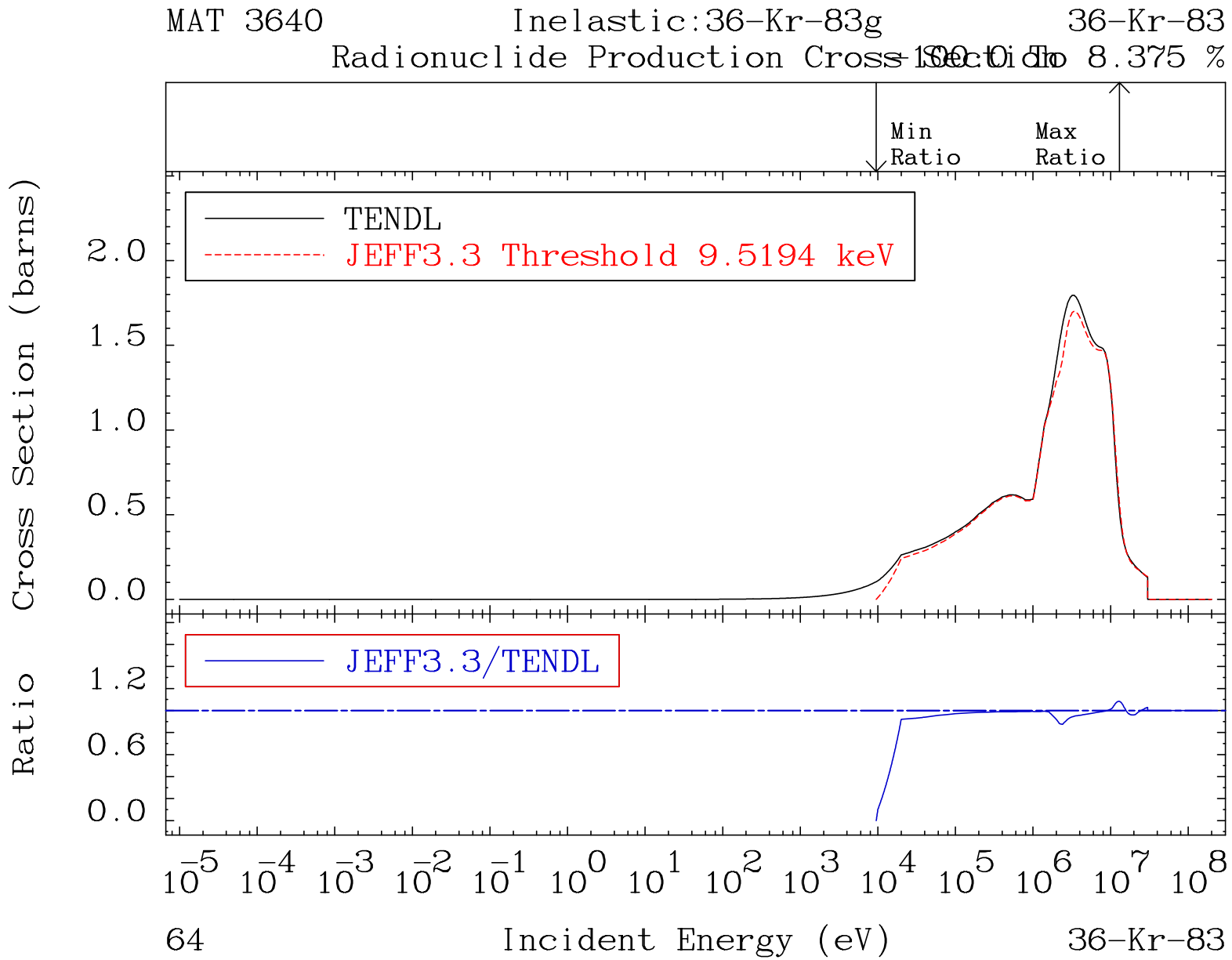

MAT 3640 Total kinematic kerma (high limit) 36-Kr-83
Cross Section -99.92 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
59
36-Kr-83

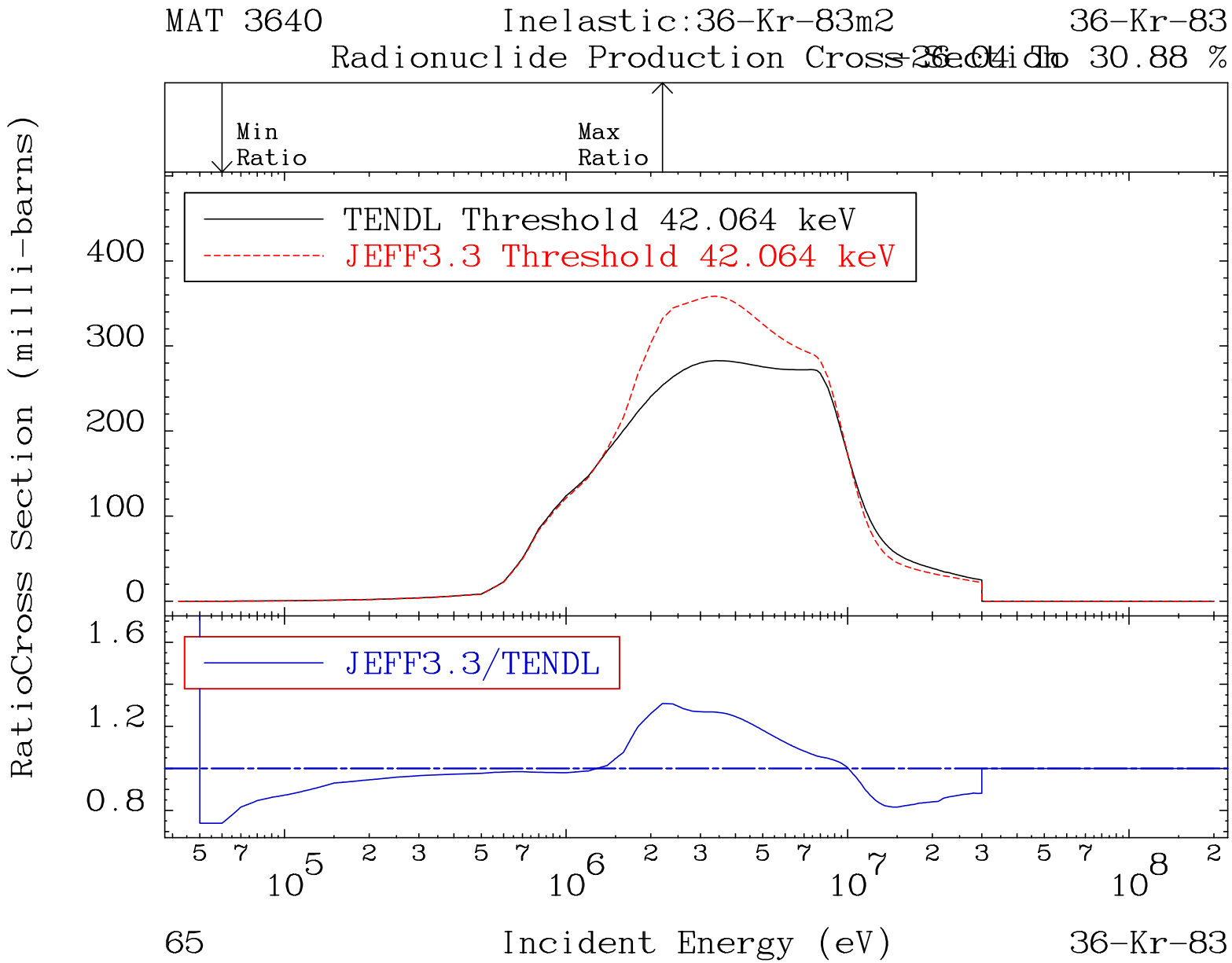

MAT 3640
Dpa total (eV-barns)
36-Kr-83
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
60
36-Kr-83

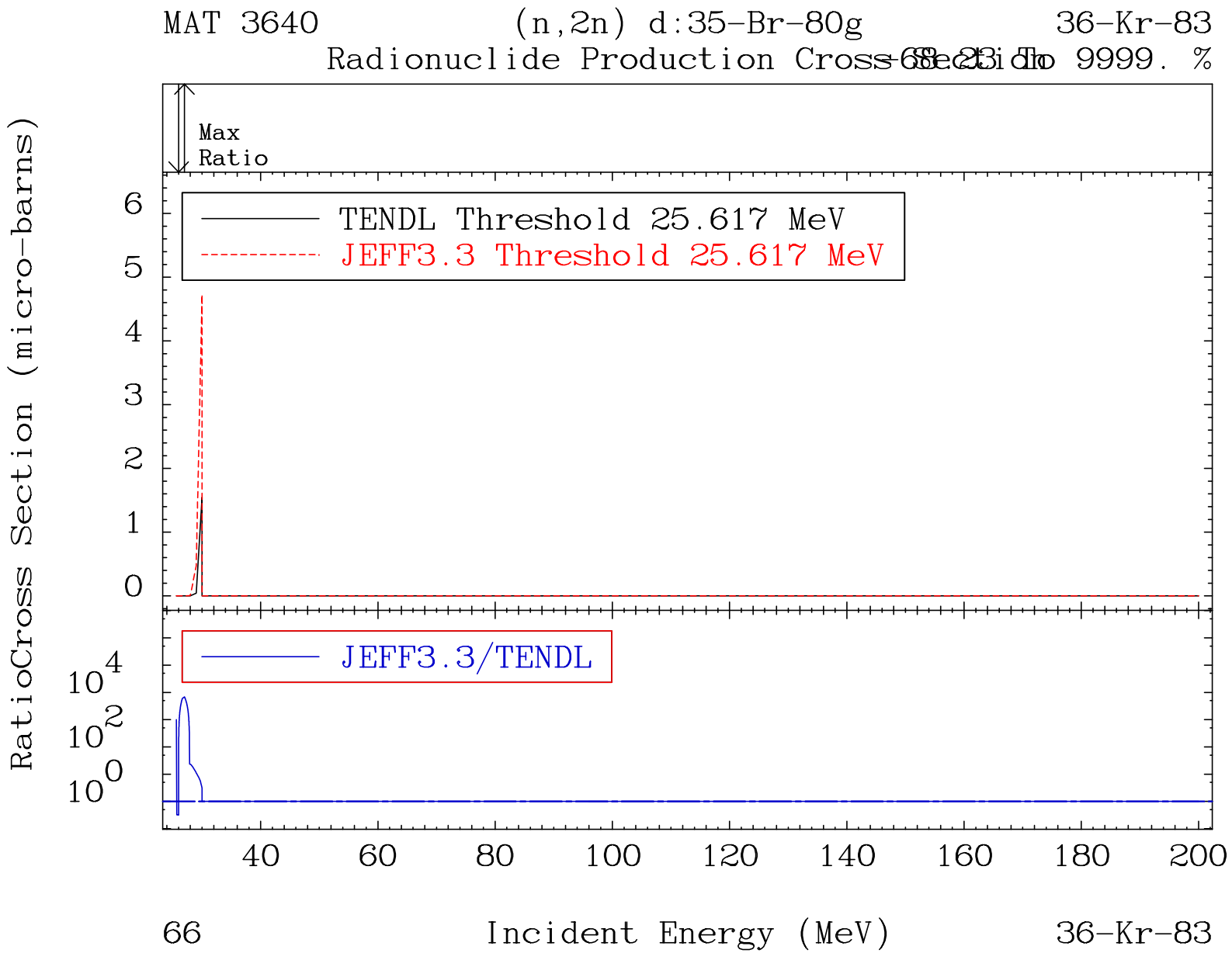

MAT 3640
Dpa elastic (mt2)
Cross Section
36-Kr-83
-99.81 To 9999. %
Max
Ratio
TENDL Threshold 505.59 eV
JEFF3.3 Threshold 506.46 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
36-Kr-83

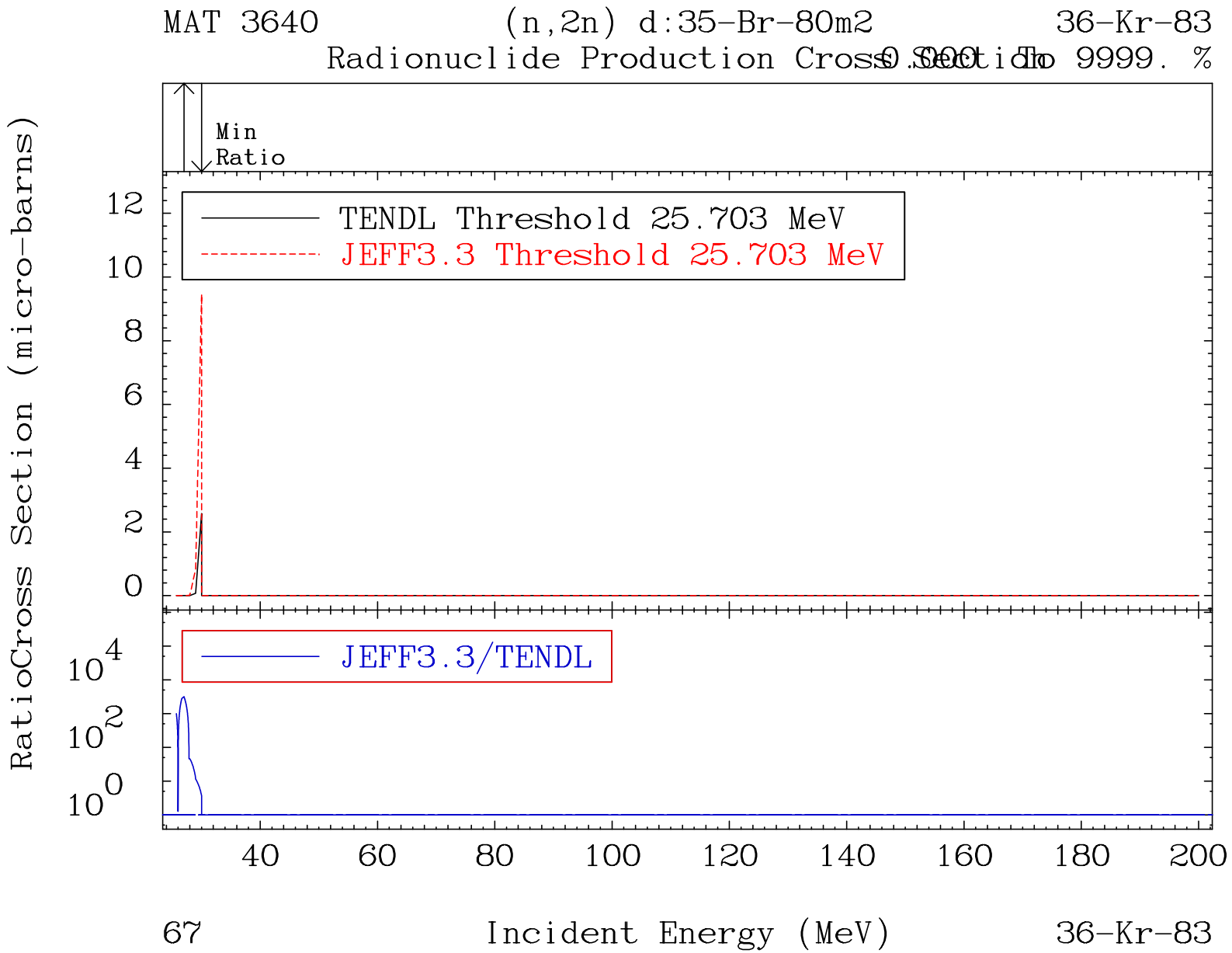

MAT 3640
Dpa inelastic (mt51-91)
36-Kr-83
Cross Section
-89.88 To 9999. %
Min
Ratio
TENDL Threshold 9.5204 keV
JEFF3.3 Threshold 9.5194 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
36-Kr-83

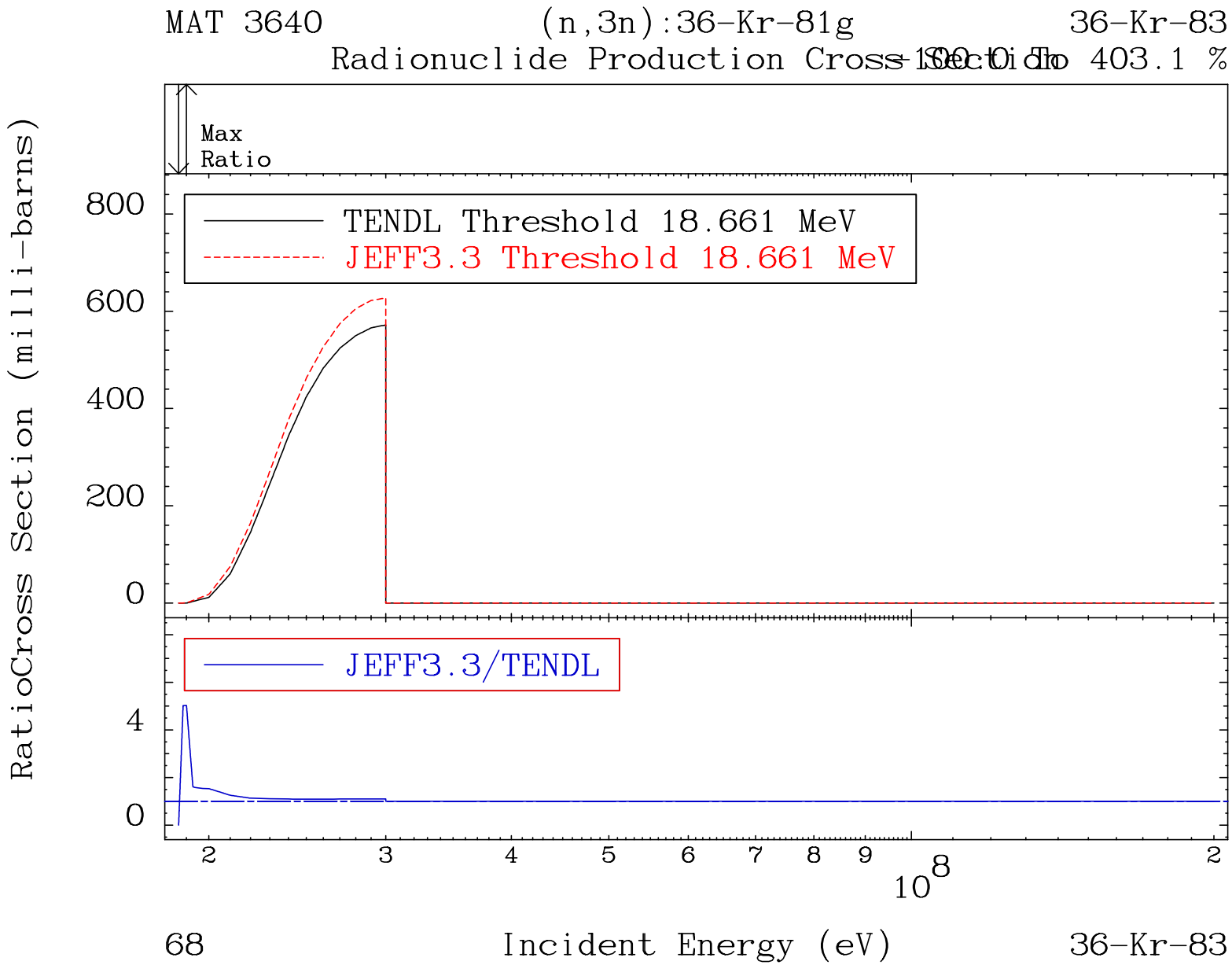

MAT 3640 Dpa disappearance (mt102 -120) 36-Kr-83
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
36-Kr-83

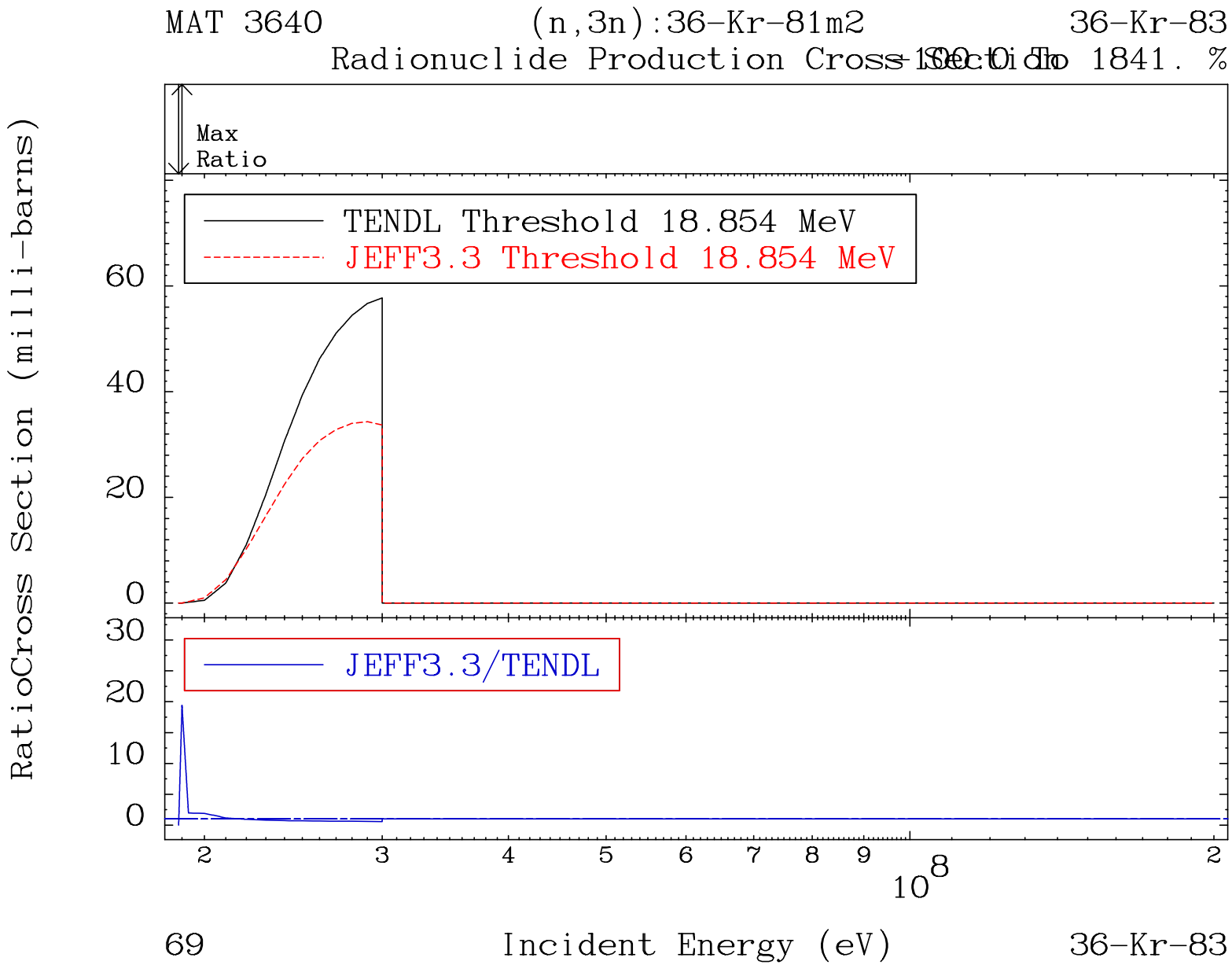

MAT 3640
Inelastic:36-Kr-83g
36-Kr-83
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL
JEFF3.3 Threshold 9.5194 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.2
0.6
0.0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
64
Incident Energy (eV)
36-Kr-83

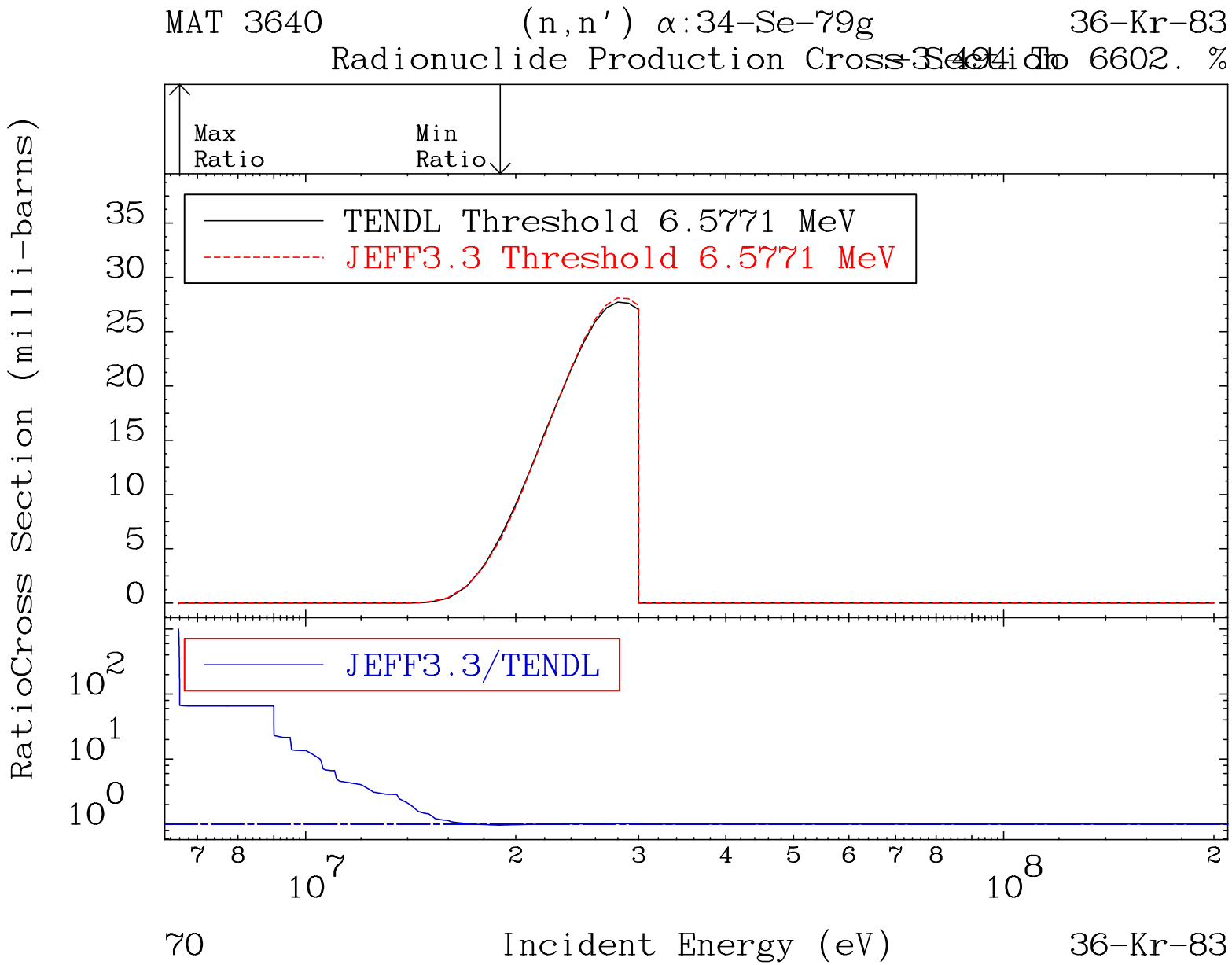

MAT 3640
Inelastic:36-Kr-83m2
36-Kr-83
Radionuclide Production Cross-Section
Min Ratio
Max Ratio
TENDL Threshold 42.064 keV
JEFF3.3 Threshold 42.064 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
1.6
1.2
0.8
5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
65
Incident Energy (eV)
36-Kr-83

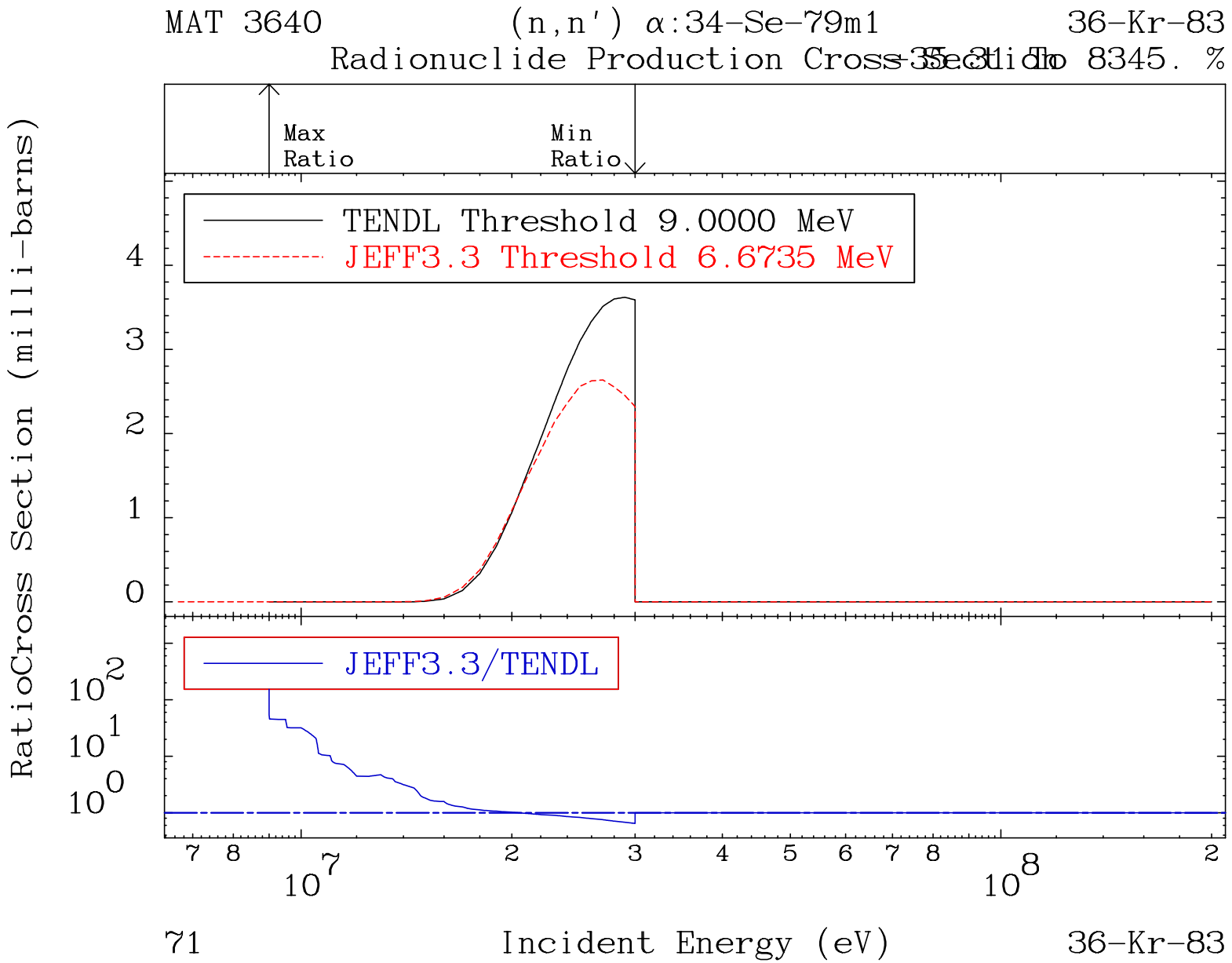

MAT 3640
(n,2n) d:35-Br-80g
36-Kr-83
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 25.617 MeV
JEFF3.3 Threshold 25.617 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
0
1
2
3
4
5
6
10^4
10^2
10^0
40
60
80
100
120
140
160
180
200
66
Incident Energy (MeV)
36-Kr-83

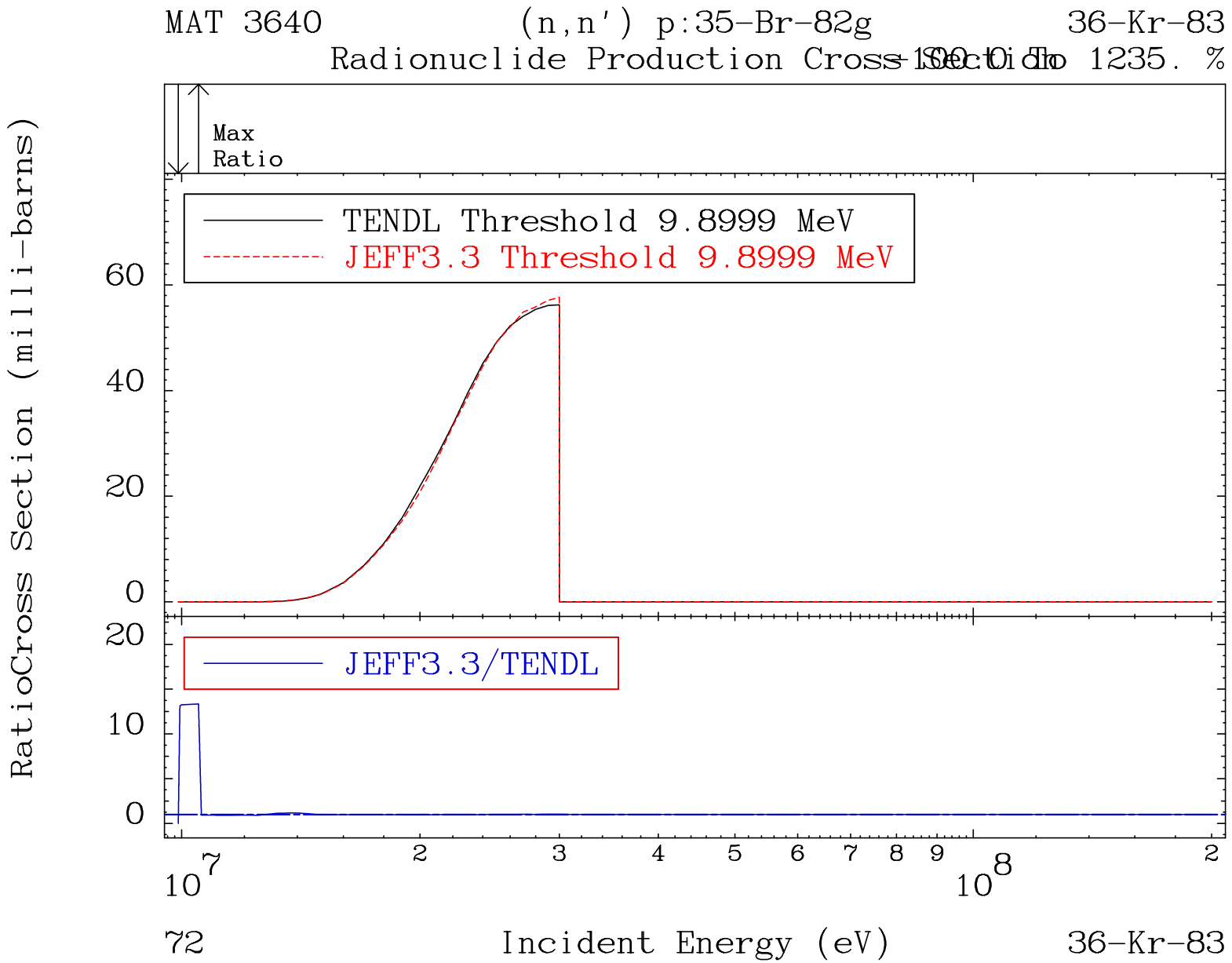

MAT 3640
(n,2n) d:35-Br-80m2
36-Kr-83
Radionuclide Production Cross Section
0.000 To 9999. %
Min
Ratio
TENDL Threshold 25.703 MeV
JEFF3.3 Threshold 25.703 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
12
10
8
6
4
2
0
10^4
10^2
10^0
40
60
80
100
120
140
160
180
200
67
Incident Energy (MeV)
36-Kr-83

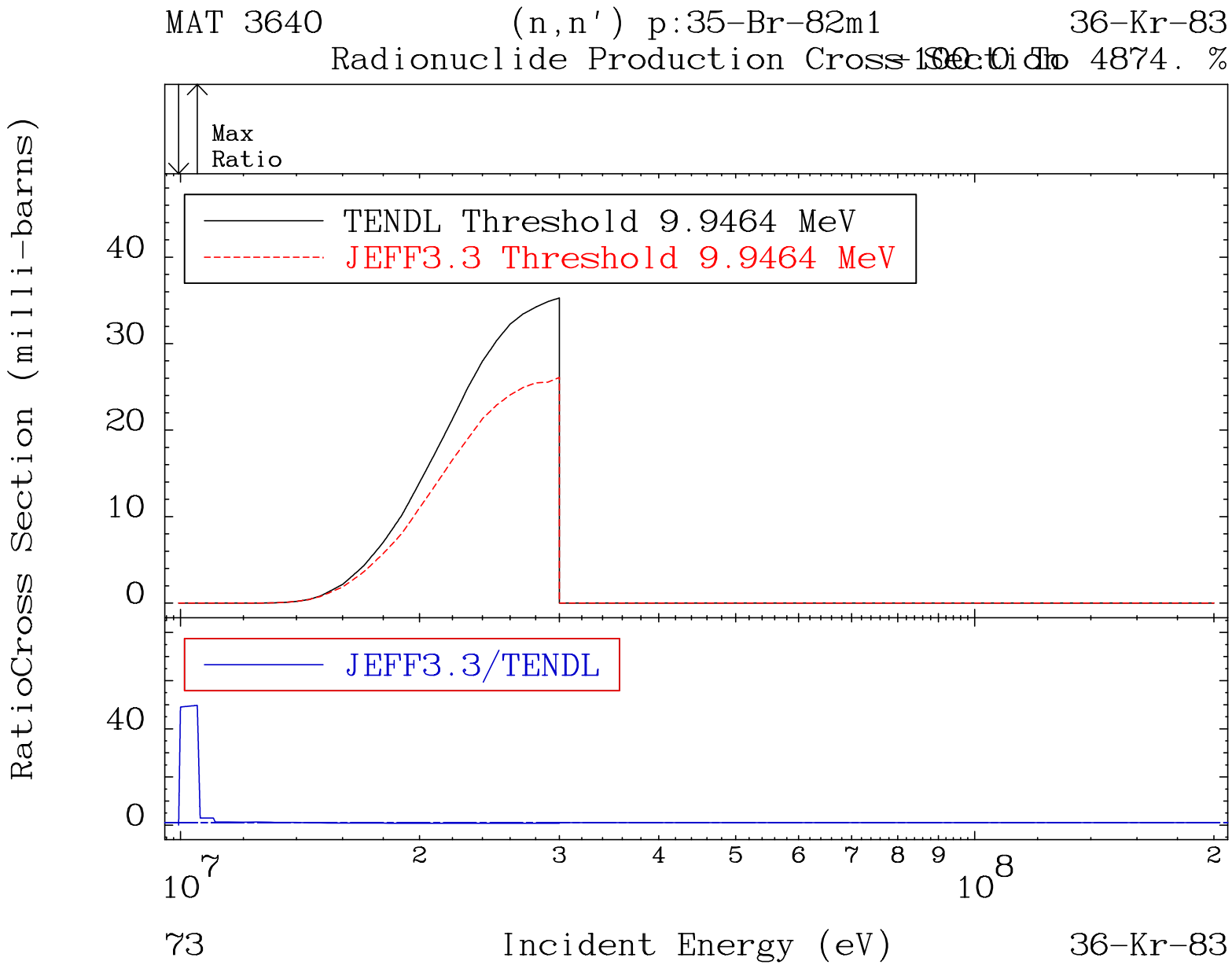

MAT 3640
(n,3n):36-Kr-81g
36-Kr-83
Radionuclide Production Cross Section
Max Ratio
800
600
400
200
0
TENDL Threshold 18.661 MeV
JEFF3.3 Threshold 18.661 MeV
JEFF3.3/TENDL
4
0
2
3
4
5
6
7
8
9
2
10^8
RatioCross Section (milli-barns)
68
Incident Energy (eV)
36-Kr-83

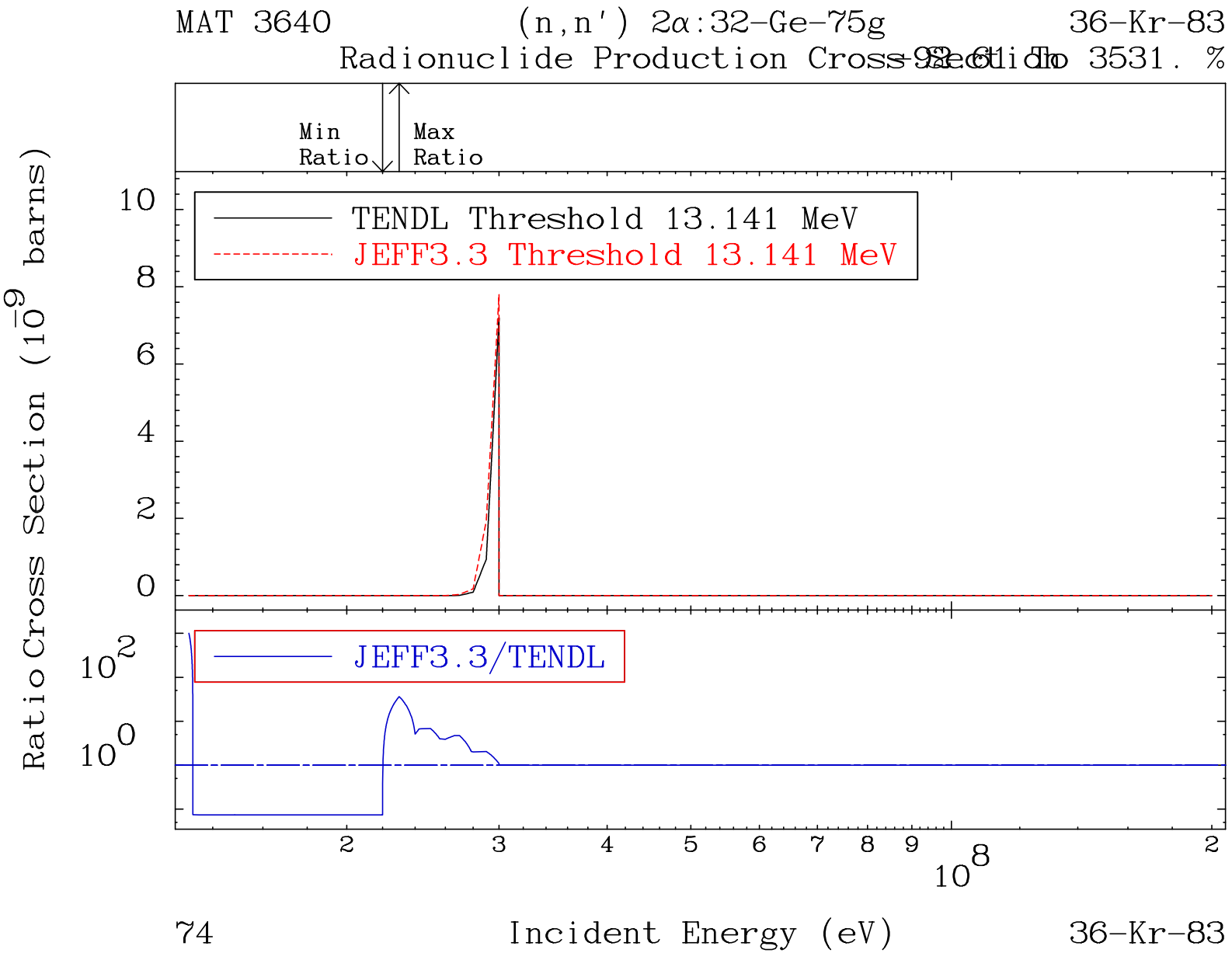

MAT 3640
(n,3n):36-Kr-81m2
36-Kr-83
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 18.854 MeV
JEFF3.3 Threshold 18.854 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
69
36-Kr-83

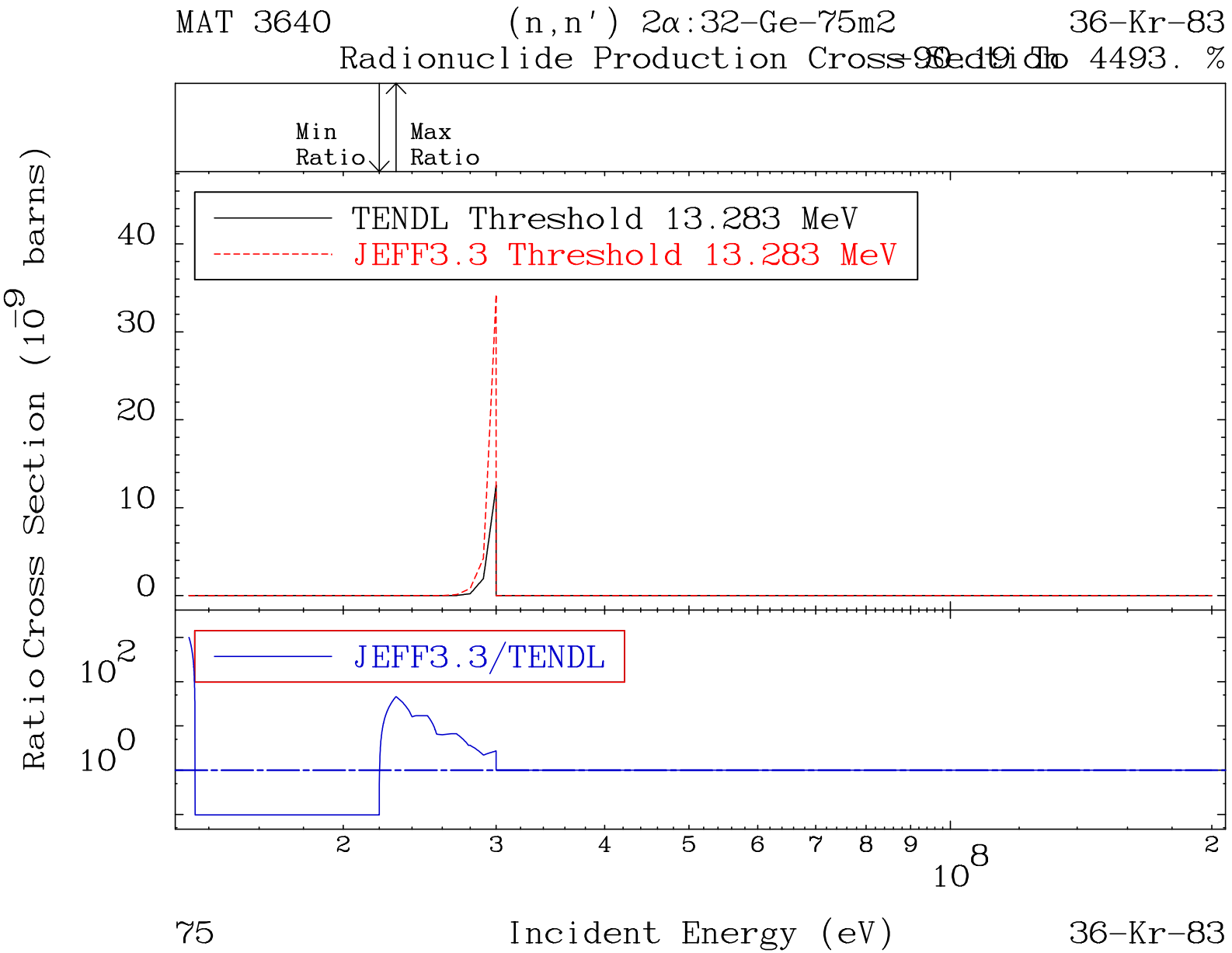

MAT 3640
(n,n') α:34-Se-79g
36-Kr-83
Radionuclide Production Cross Section To 6602. %
Max Ratio
Min Ratio
TENDL Threshold 6.5771 MeV
JEFF3.3 Threshold 6.5771 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
70
36-Kr-83

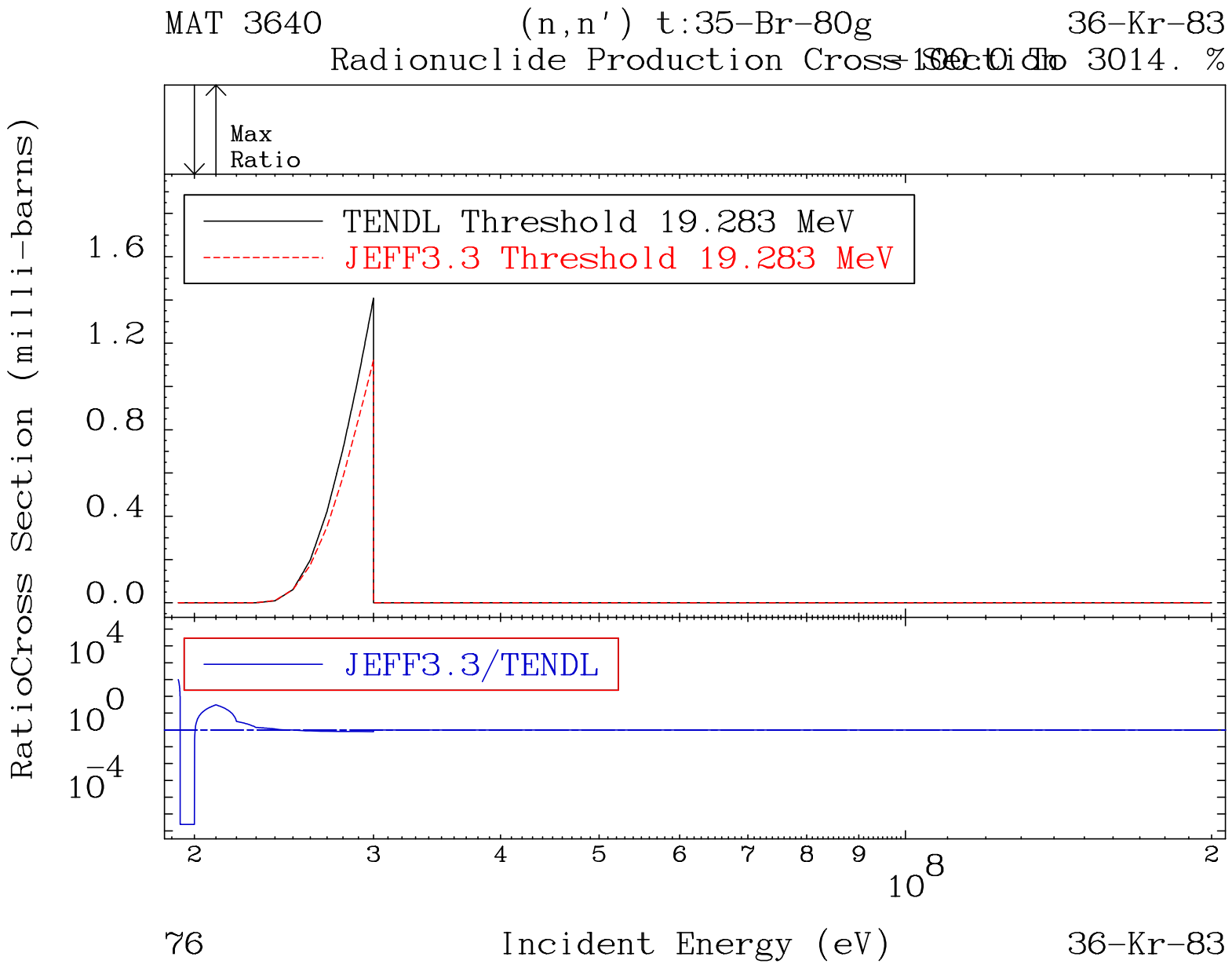

MAT 3640
(n,n') α:34-Se-79m1
36-Kr-83
Radionuclide Production Cross Section To 8345. %
Max Ratio
Min Ratio
TENDL Threshold 9.0000 MeV
JEFF3.3 Threshold 6.6735 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
71
36-Kr-83

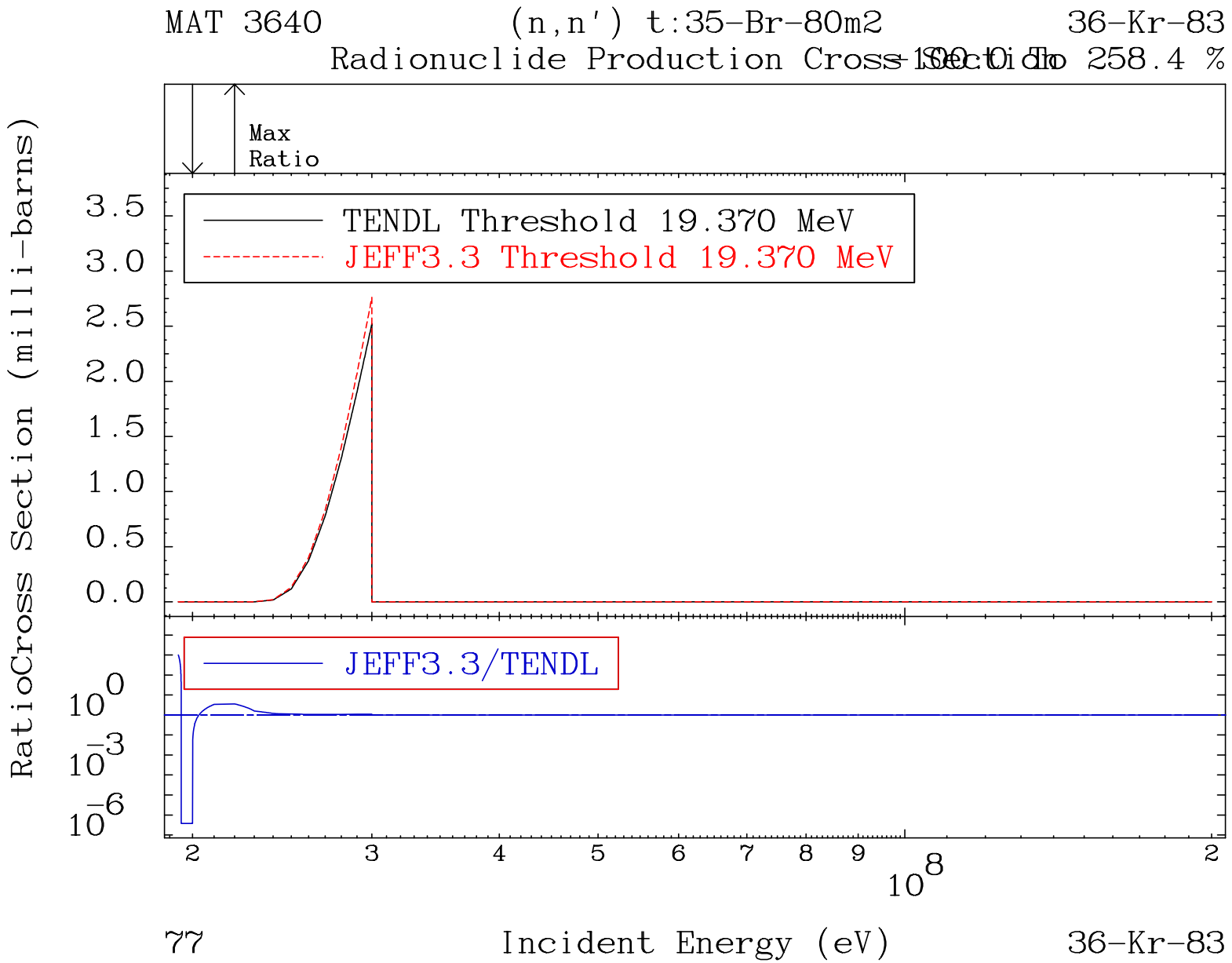

MAT 3640
(n,n') p:35-Br-82g
36-Kr-83
Radionuclide Production Cross Section To 1235. %
Max
Ratio
TENDL Threshold 9.8999 MeV
JEFF3.3 Threshold 9.8999 MeV
60
40
20
0
JEFF3.3/TENDL
20
10
0
RatioCross Section (milli-barns)
10^7
2
3
4
5
6
7
8
9
10^8
2
72
Incident Energy (eV)
36-Kr-83

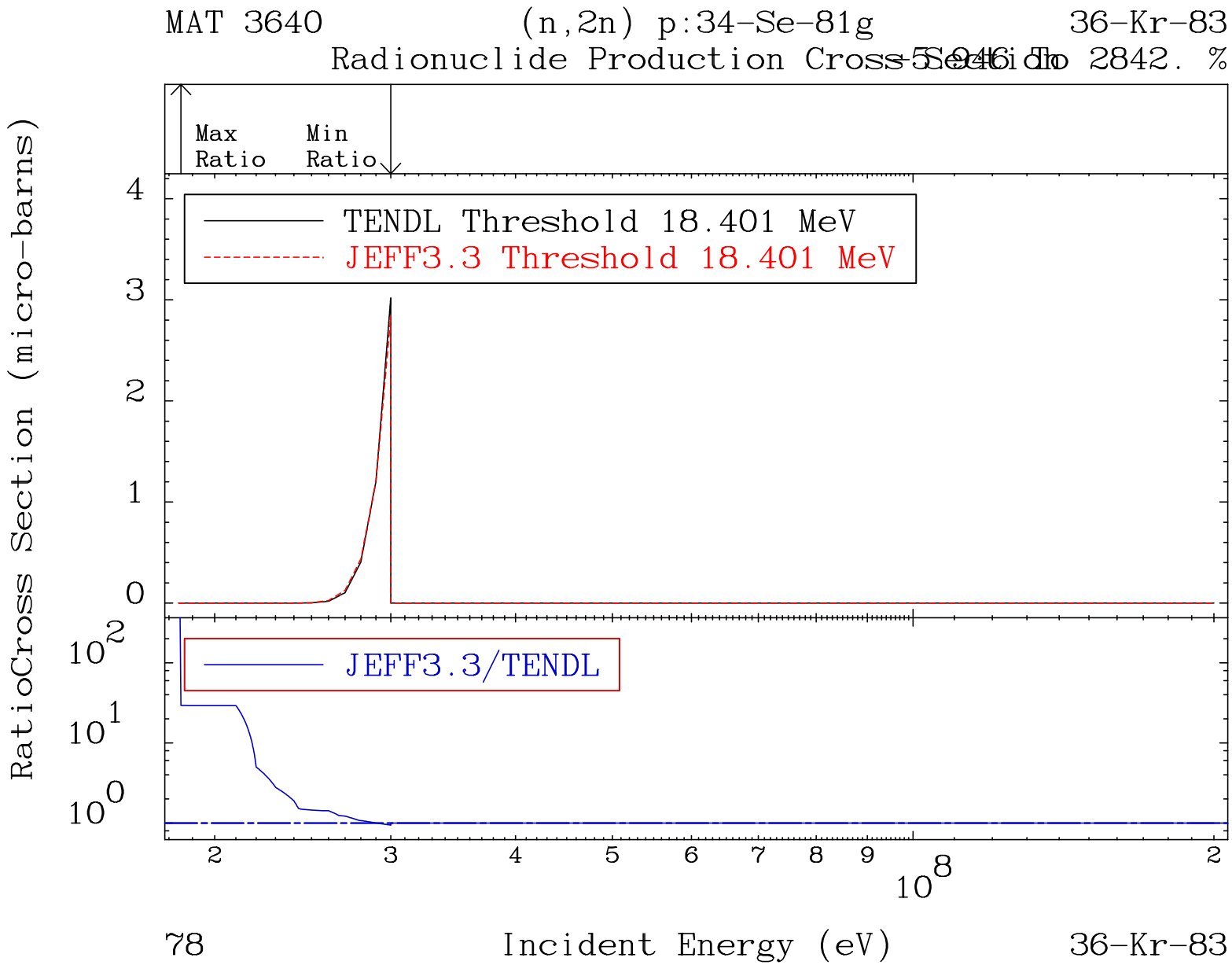

MAT 3640
(n,n') p:35-Br-82m1
36-Kr-83
Radionuclide Production Cross Section
Max Ratio
TENDL Threshold 9.9464 MeV
JEFF3.3 Threshold 9.9464 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
40
0
10^7
2
3
4
5
6
7
8
9
10^8
2
73
Incident Energy (eV)
36-Kr-83

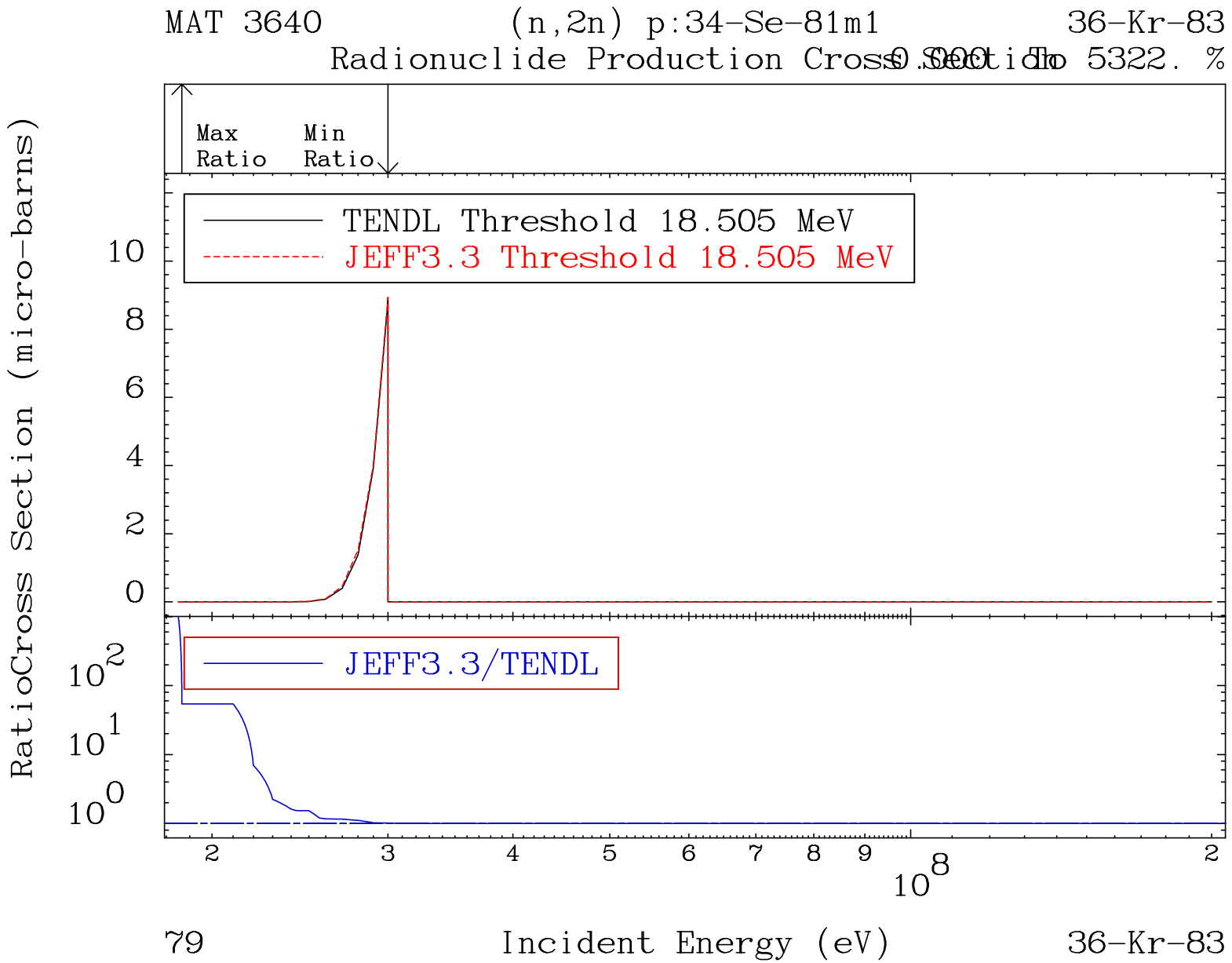

MAT 3640
(n,n') 2α:32-Ge-75g
36-Kr-83
Radionuclide Production Cross Section To 3531. %
Min Ratio
Max Ratio
TENDL Threshold 13.141 MeV
JEFF3.3 Threshold 13.141 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
Incident Energy (eV)
74
36-Kr-83

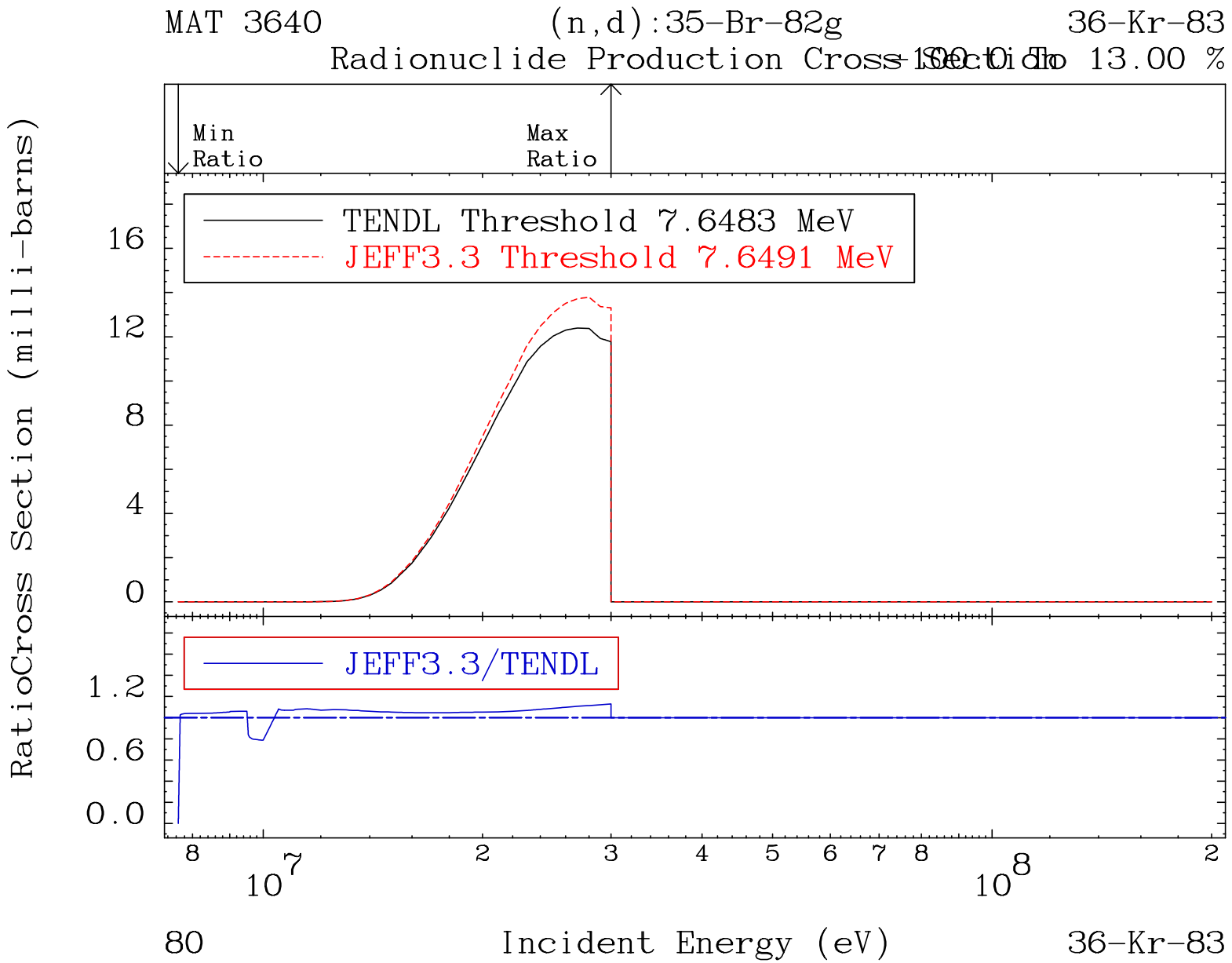

MAT 3640
(n,n') 2α:32-Ge-75m2
36-Kr-83
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 13.283 MeV
JEFF3.3 Threshold 13.283 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
Incident Energy (eV)
75
36-Kr-83

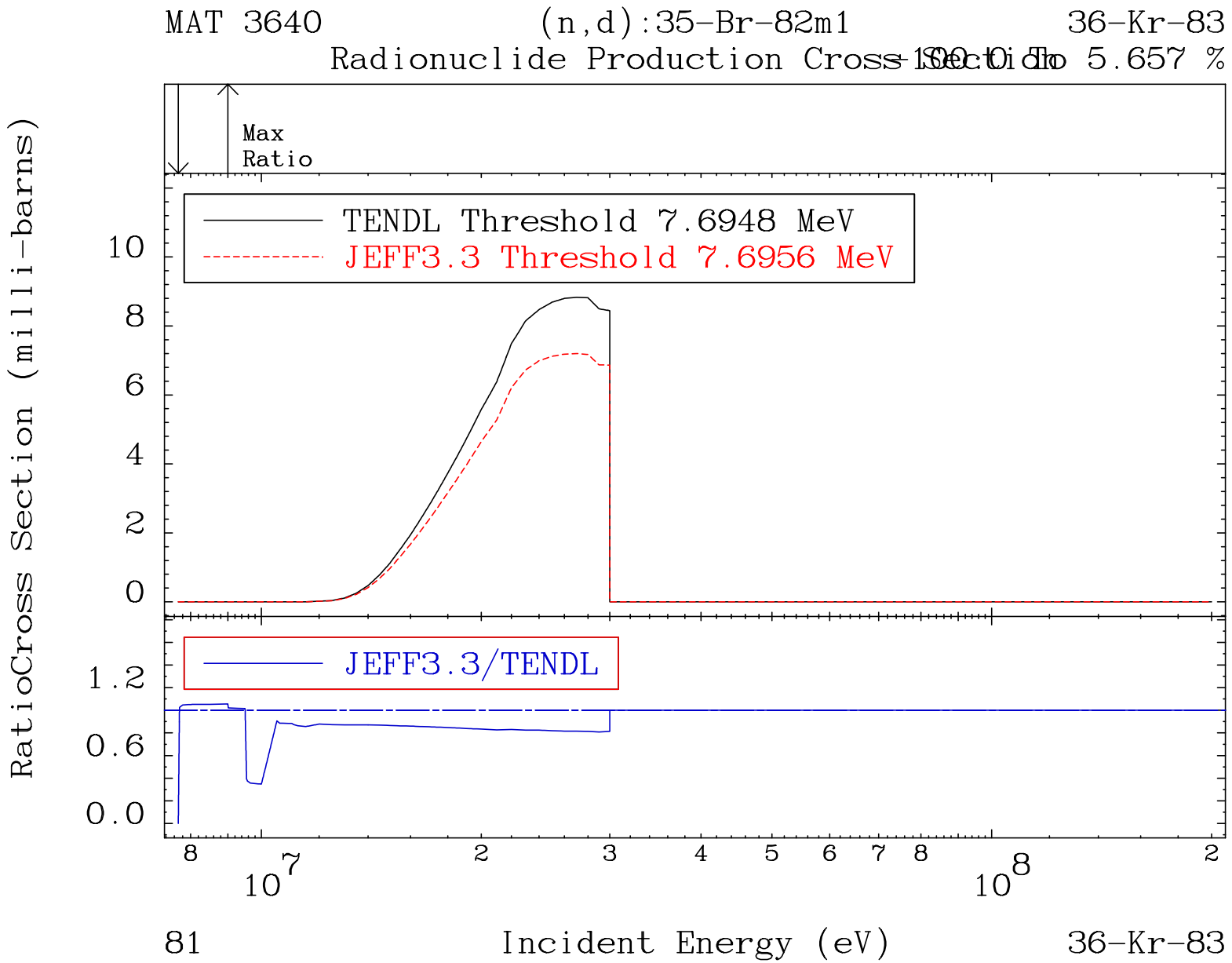

MAT 3640
(n,n') t:35-Br-80g
36-Kr-83
Radionuclide Production Cross Section To 3014. %
Max
Ratio
TENDL Threshold 19.283 MeV
JEFF3.3 Threshold 19.283 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
10^4
10^0
10^-4
2
3
4
5
6
7
8
9
10^8
2
76
Incident Energy (eV)
36-Kr-83

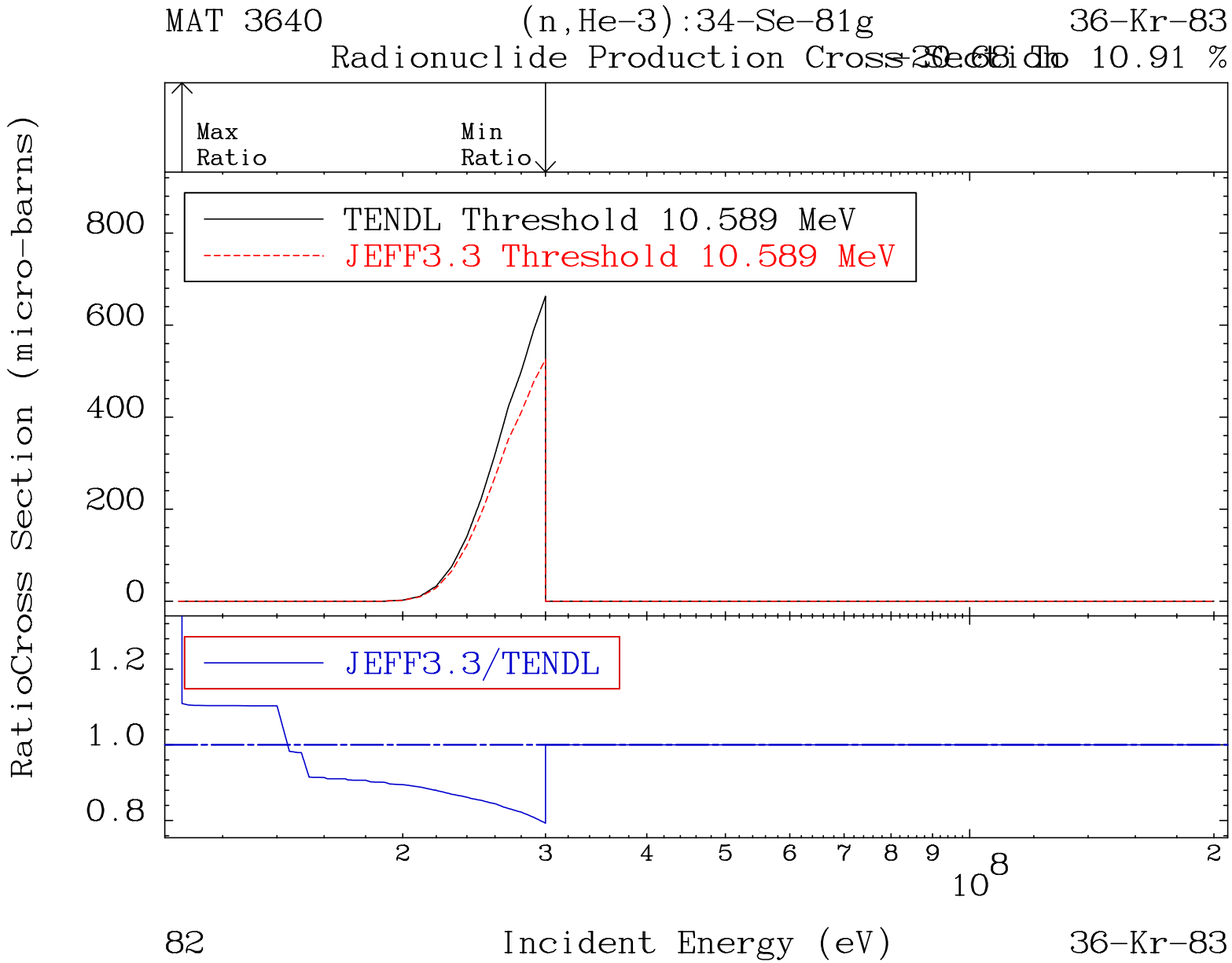

MAT 3640
(n,n') t:35-Br-80m2
36-Kr-83
Radionuclide Production Cross Section To 258.4 %
Max
Ratio
TENDL Threshold 19.370 MeV
JEFF3.3 Threshold 19.370 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
10^0
10^-3
10^-6
2
3
4
5
6
7
8
9
10^8
2
77
Incident Energy (eV)
36-Kr-83

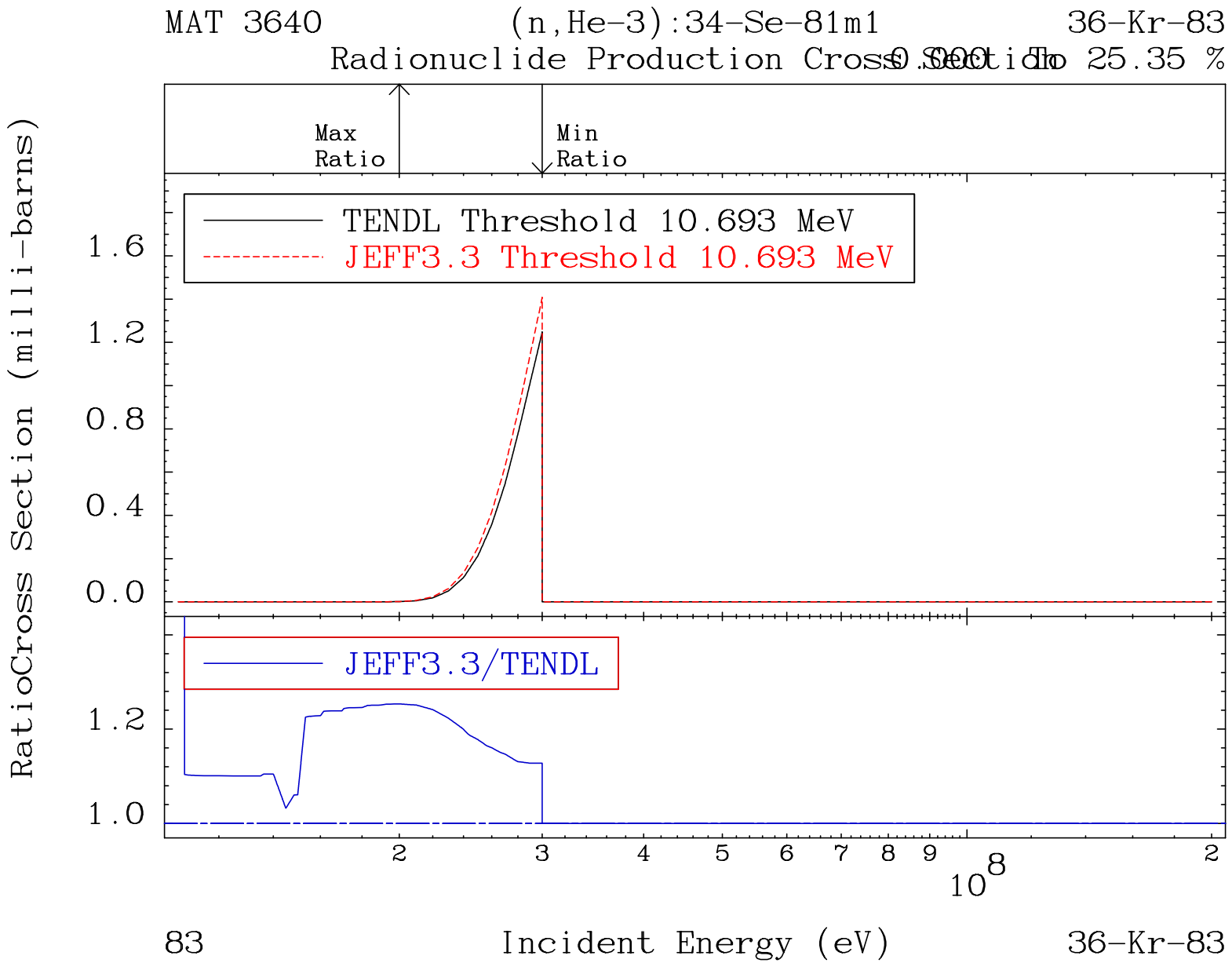

MAT 3640
(n,2n) p:34-Se-81g
36-Kr-83
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 18.401 MeV
JEFF3.3 Threshold 18.401 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
78
36-Kr-83

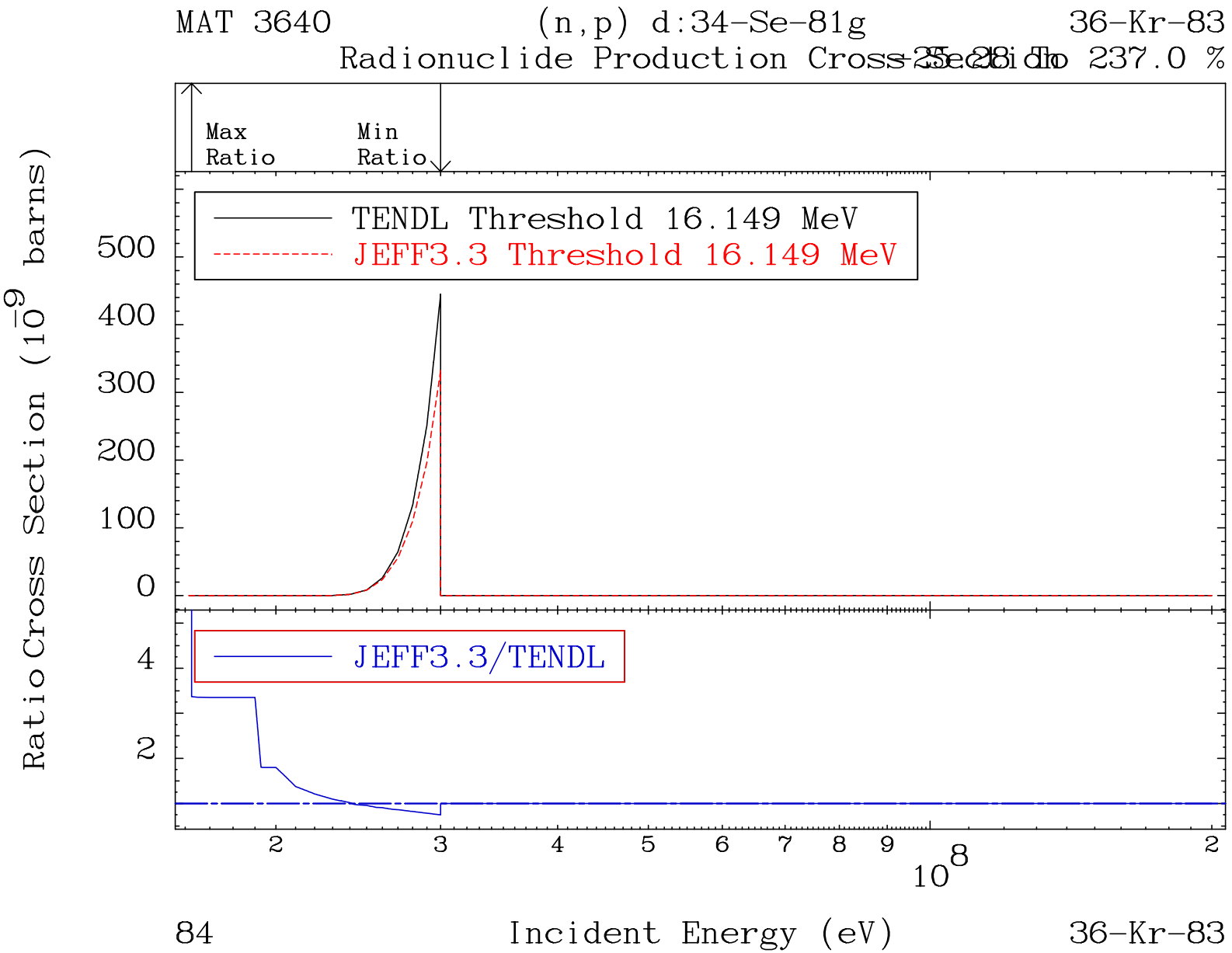

MAT 3640
(n,2n) p:34-Se-81m1
36-Kr-83
Radionuclide Production Cross Section
0.000 To 5322. %
Max Ratio
Min Ratio
TENDL Threshold 18.505 MeV
JEFF3.3 Threshold 18.505 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
10
8
6
4
2
0
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
79
Incident Energy (eV)
36-Kr-83

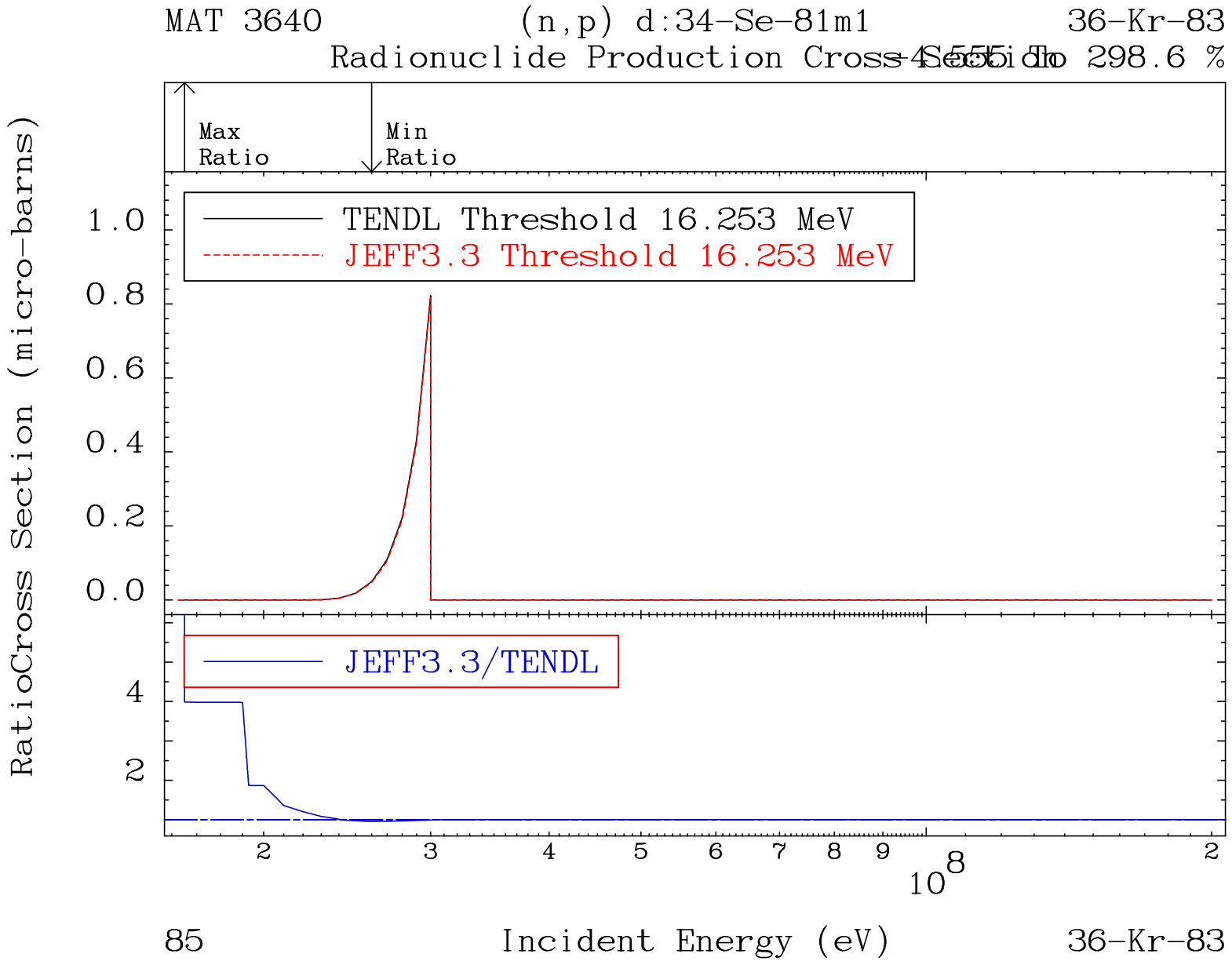

MAT 3640
(n,d):35-Br-82g
36-Kr-83
Radionuclide Production Cross Section
Uncertainty 13.00 %
Min Ratio
Max Ratio
TENDL Threshold 7.6483 MeV
JEFF3.3 Threshold 7.6491 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
1.2
0.6
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
80
Incident Energy (eV)
36-Kr-83


MAT 3640
(n,d):35-Br-82m1
36-Kr-83
Radionuclide Production Cross Section To 5.657 %
Max
Ratio
TENDL Threshold 7.6948 MeV
JEFF3.3 Threshold 7.6956 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
81
36-Kr-83


MAT 3640
(n,He-3):34-Se-81g
36-Kr-83
Radionuclide Production Cross Section To 10.91 %
Max Ratio
Min 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
1.0
0.8
2
3
4
5
6
7
8
9
2
10^8
82
Incident Energy (eV)
36-Kr-83


MAT 3640
(n,He-3):34-Se-81m1
36-Kr-83
Radionuclide Production Cross Section
0.000 To 25.35 %
Max Ratio
Min 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
1.2
1.0
2
3
4
5
6
7
8
9
2
10^8
83
Incident Energy (eV)
36-Kr-83


MAT 3640
(n,p) d:34-Se-81g
36-Kr-83
Radionuclide Production Cross Section To 237.0 %
Max Ratio
Min Ratio
TENDL Threshold 16.149 MeV
JEFF3.3 Threshold 16.149 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
500
400
300
200
100
0
4
2
2
3
4
5
6
7
8
9
10^8
2
84
Incident Energy (eV)
36-Kr-83


MAT 3640
(n,p) d:34-Se-81m1
36-Kr-83
Radionuclide Production Cross-Section To 298.6 %
Max Ratio
Min Ratio
TENDL Threshold 16.253 MeV
JEFF3.3 Threshold 16.253 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
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
85
Incident Energy (eV)
36-Kr-83