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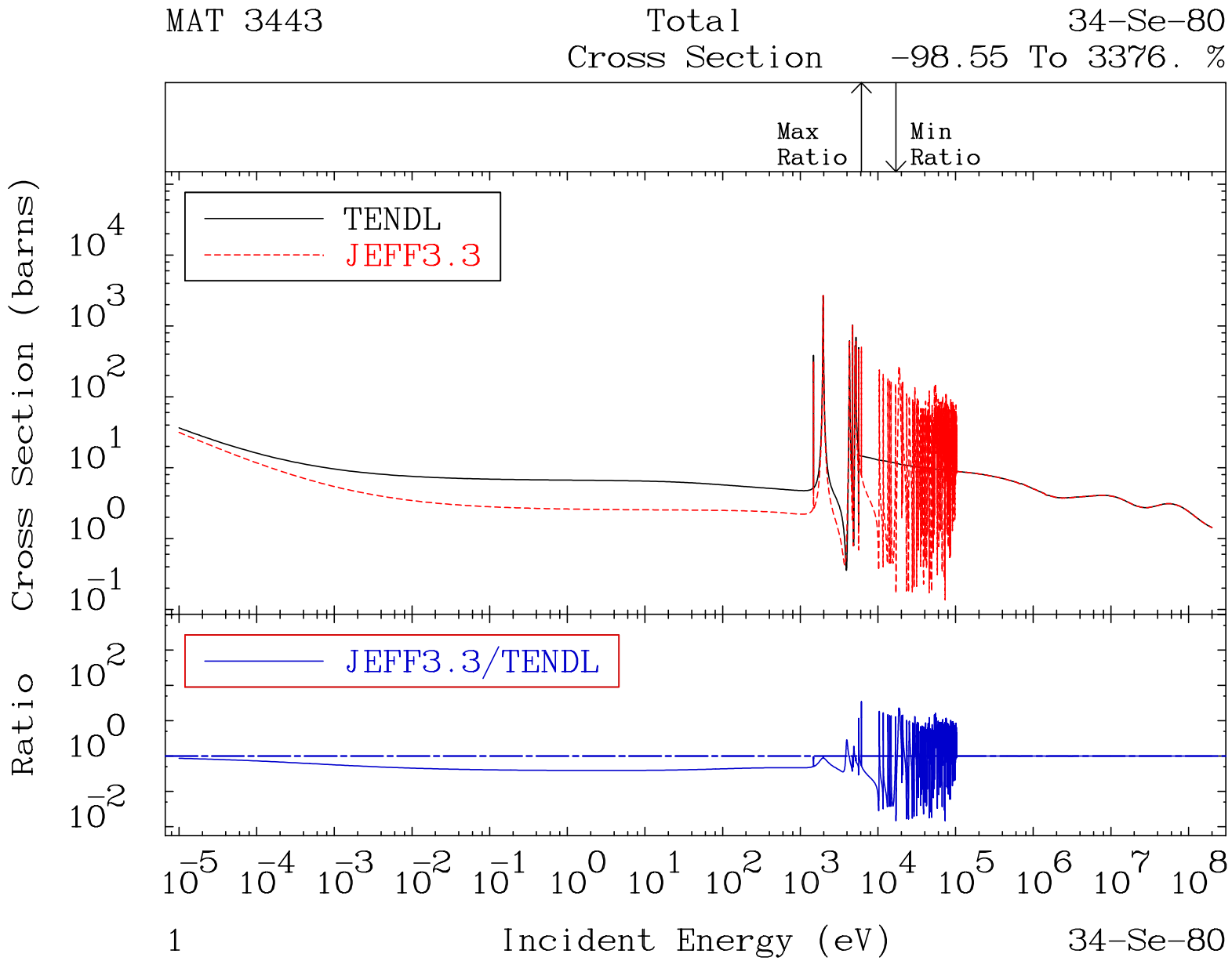
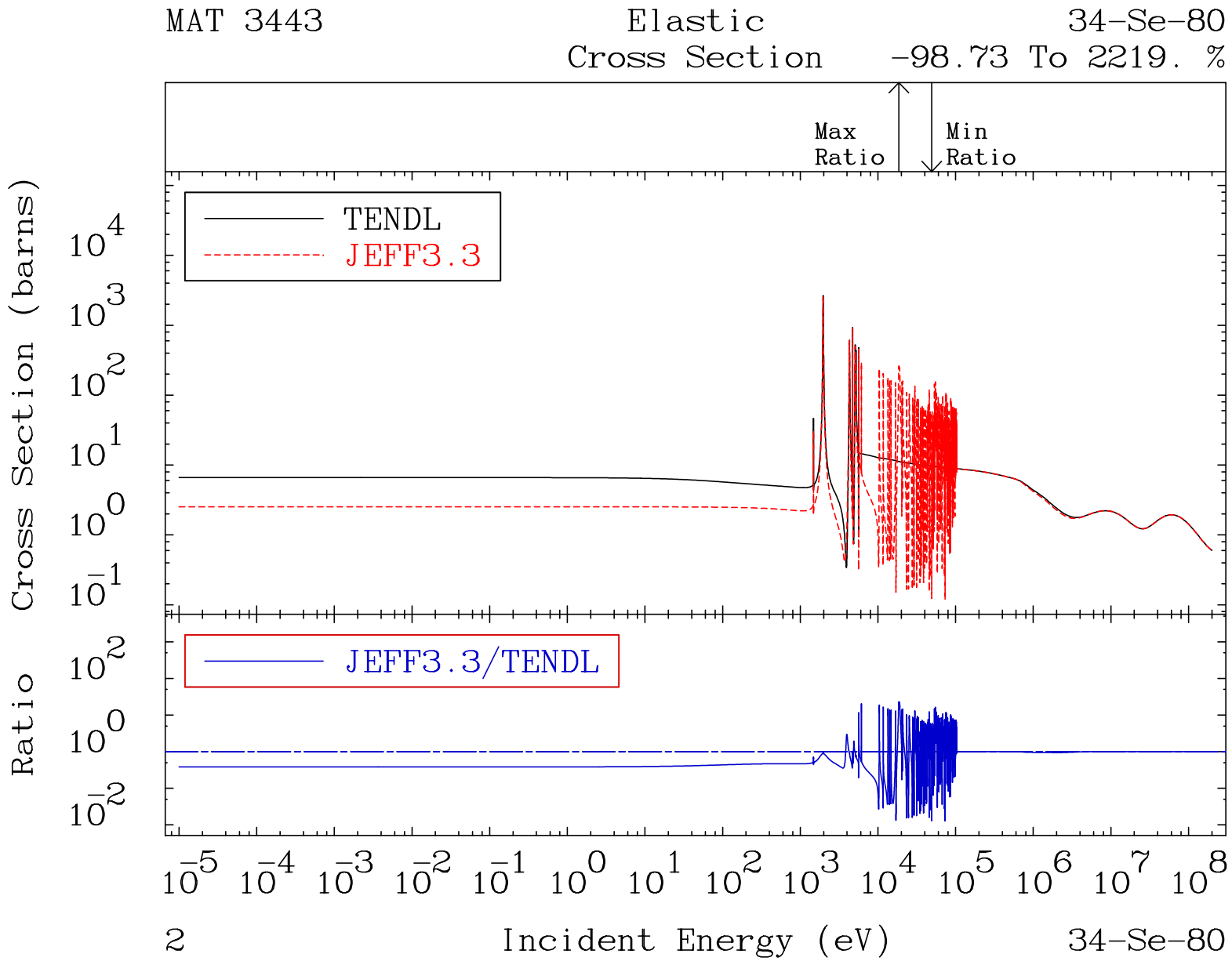
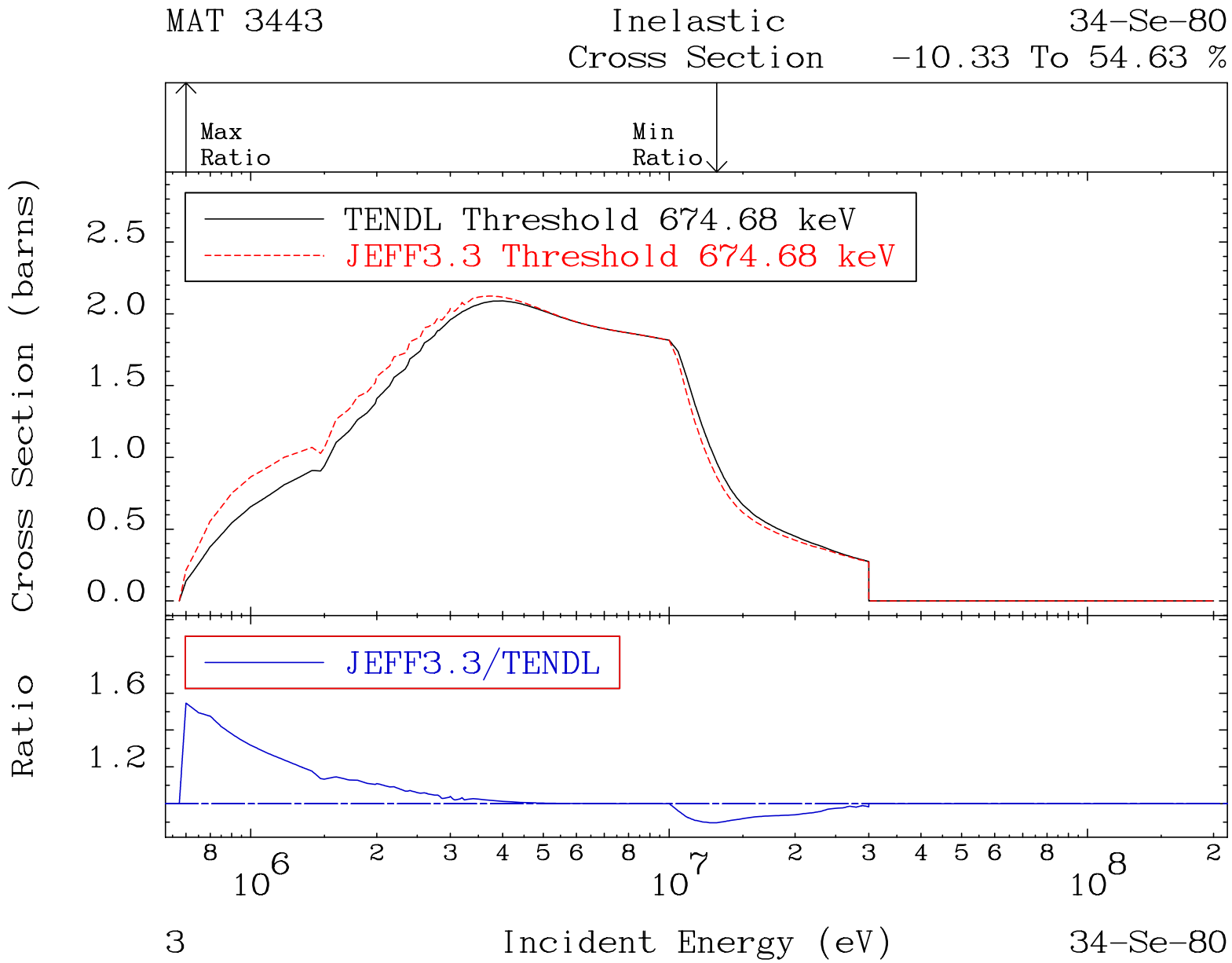
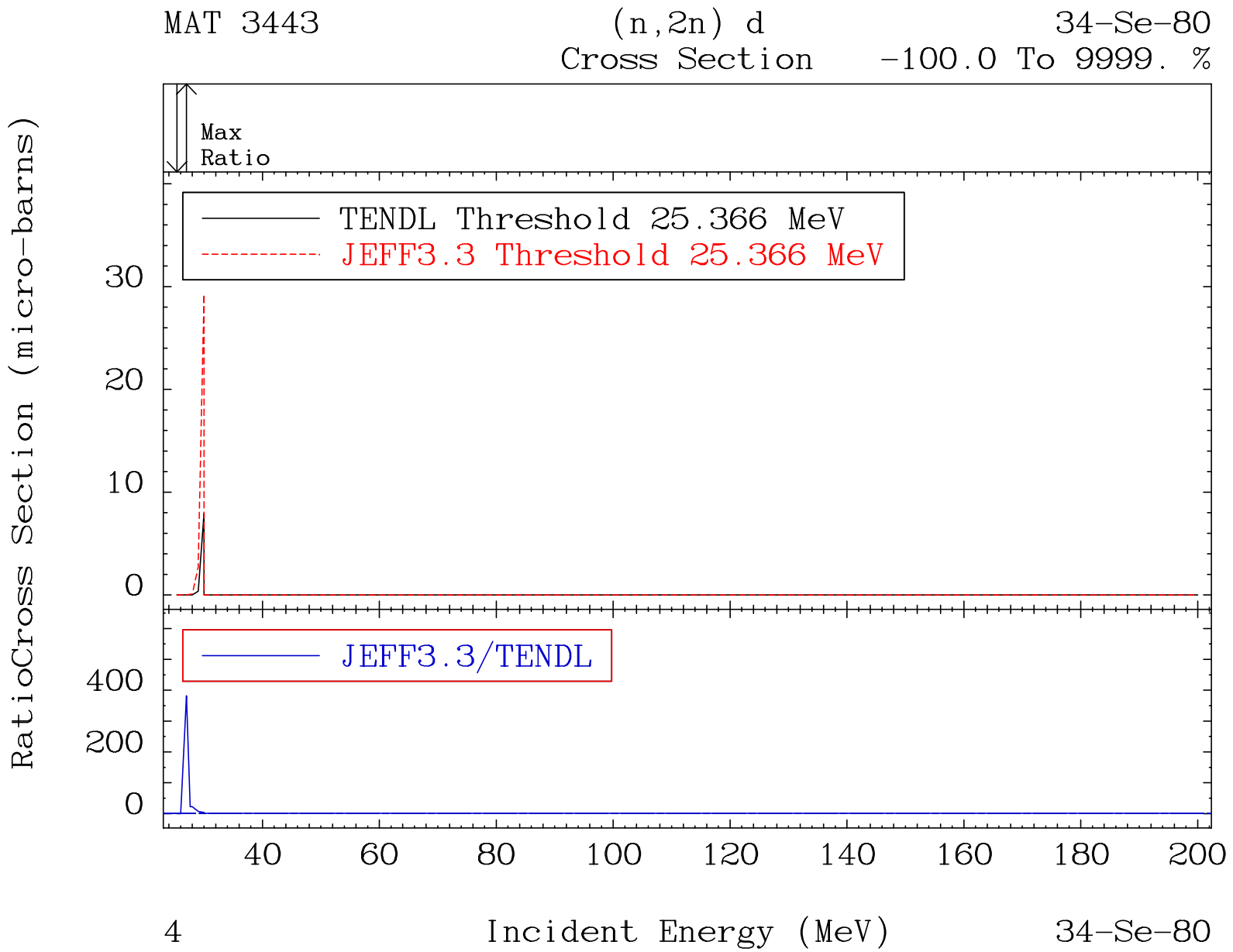
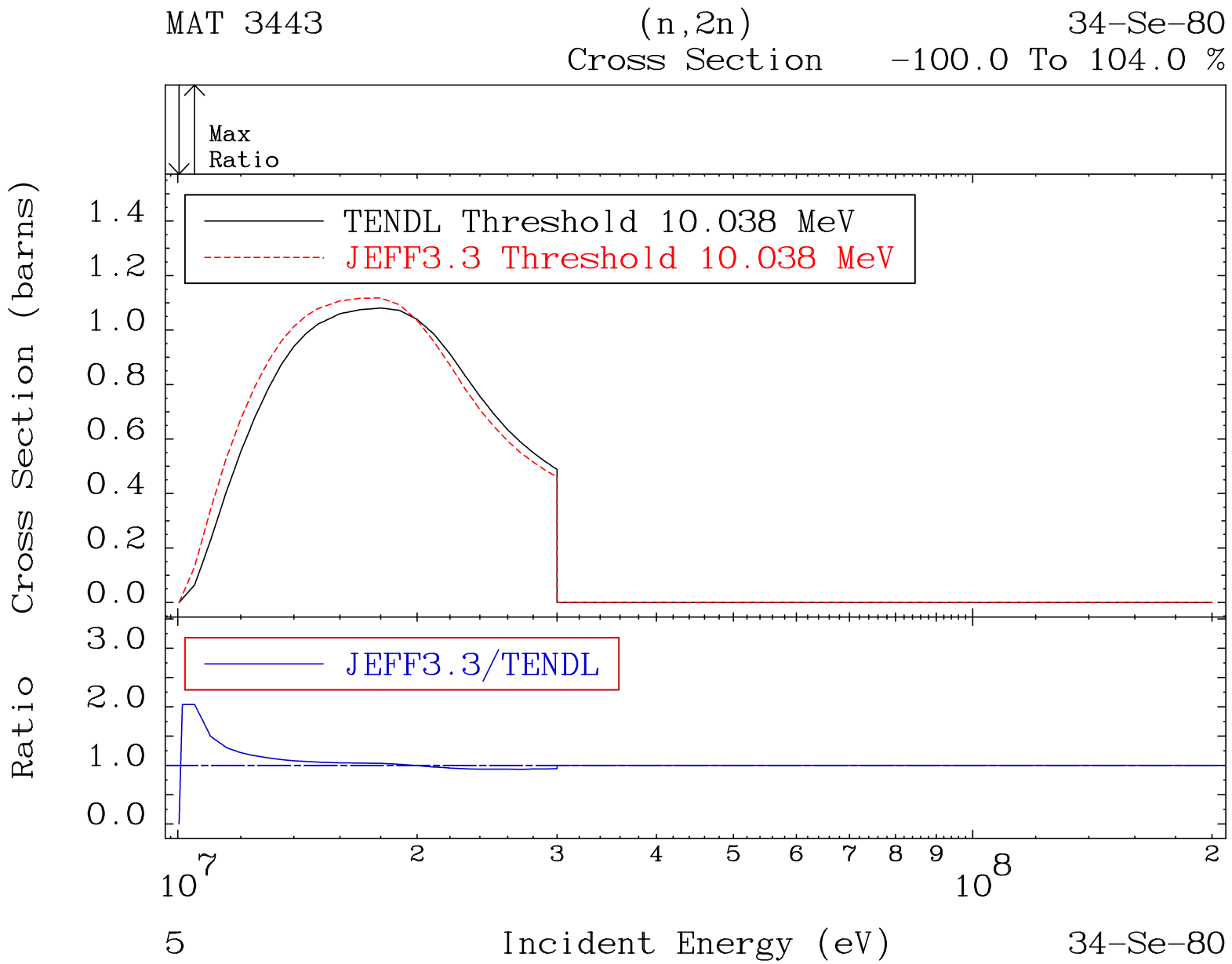
Press Mouse Button to Start

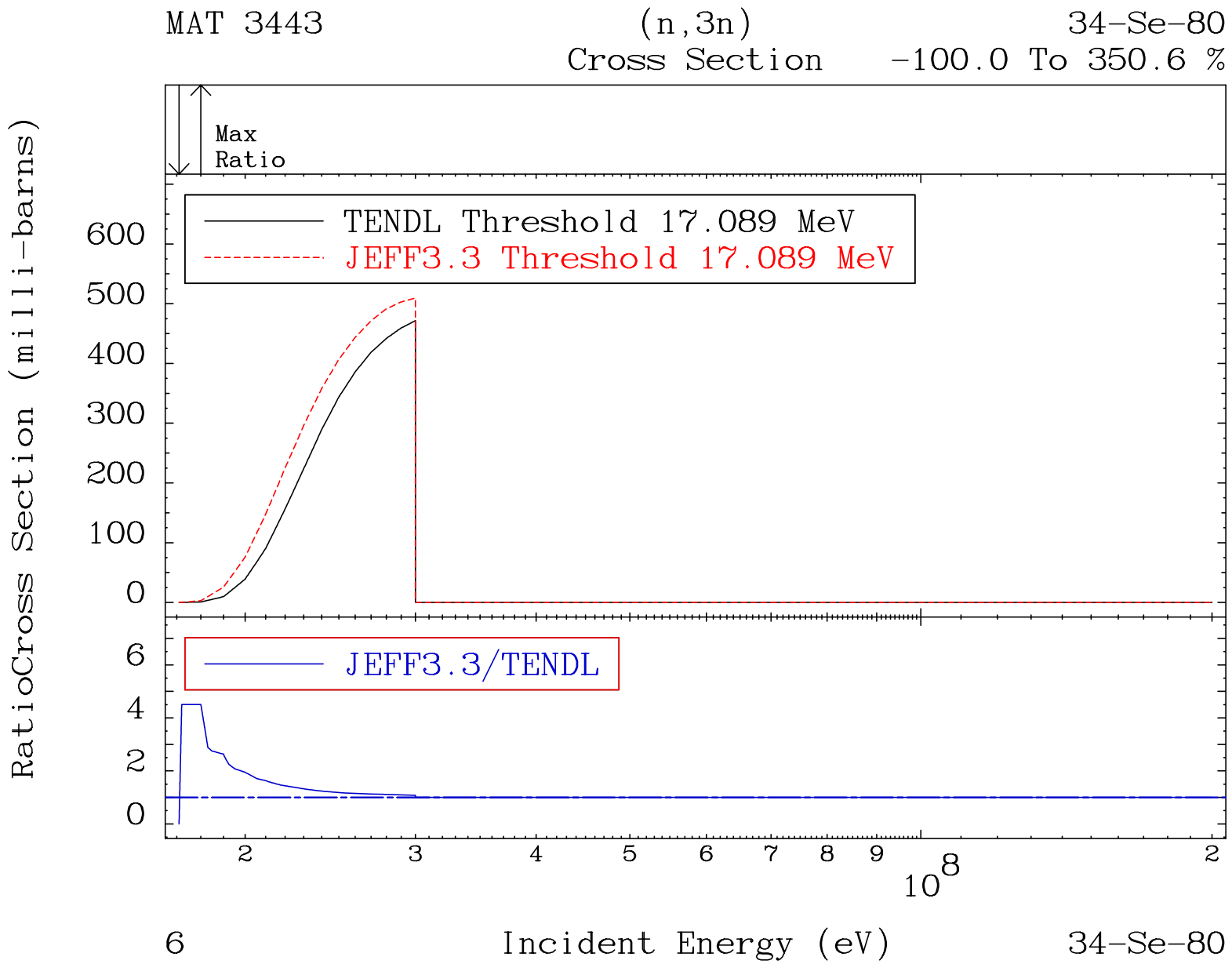

MAT 3443
Total
Cross Section
34-Se-80
-98.55 To 3376. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
34-Se-80

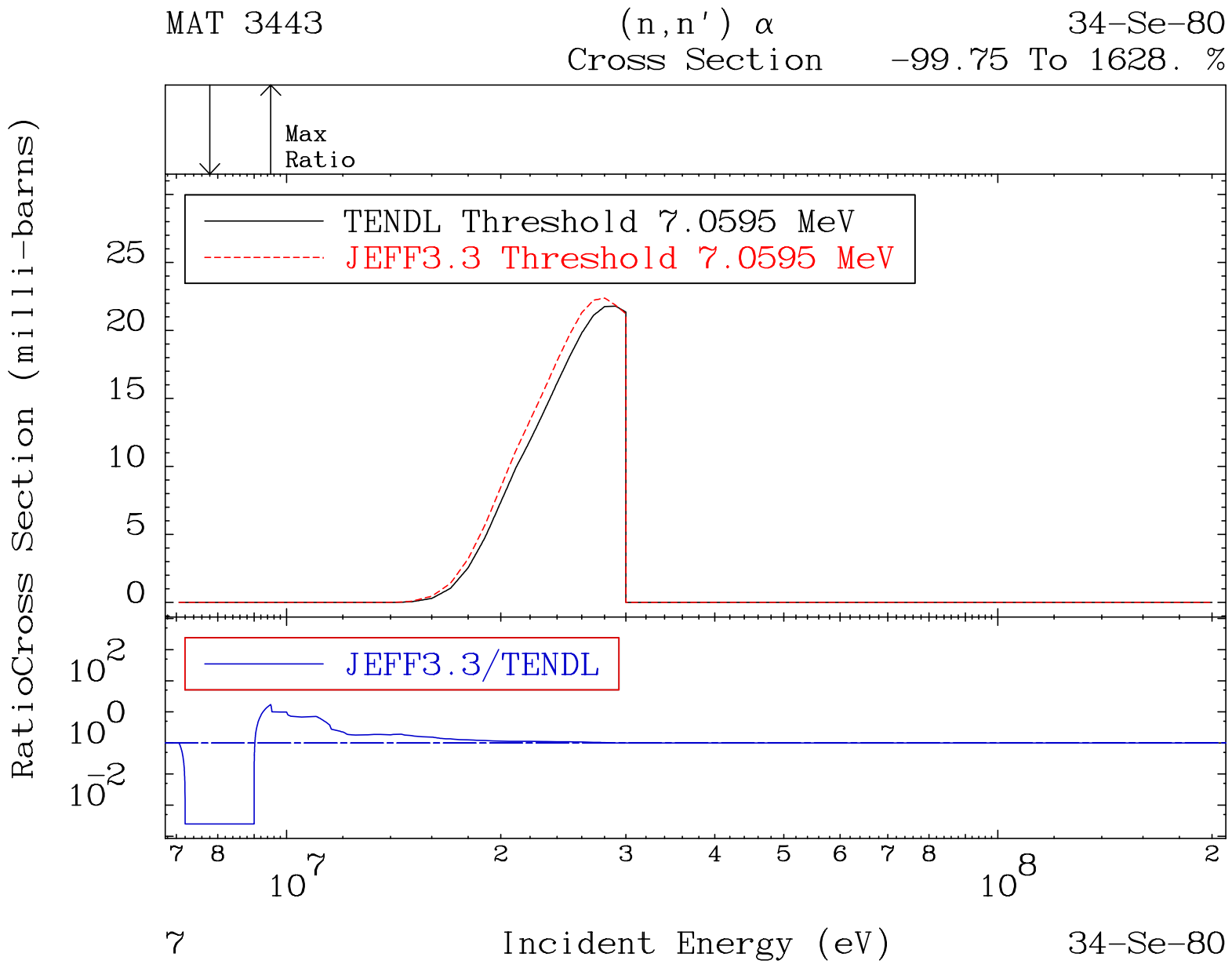

MAT 3443
Elastic
Cross Section
34-Se-80
-98.73 To 2219. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
34-Se-80

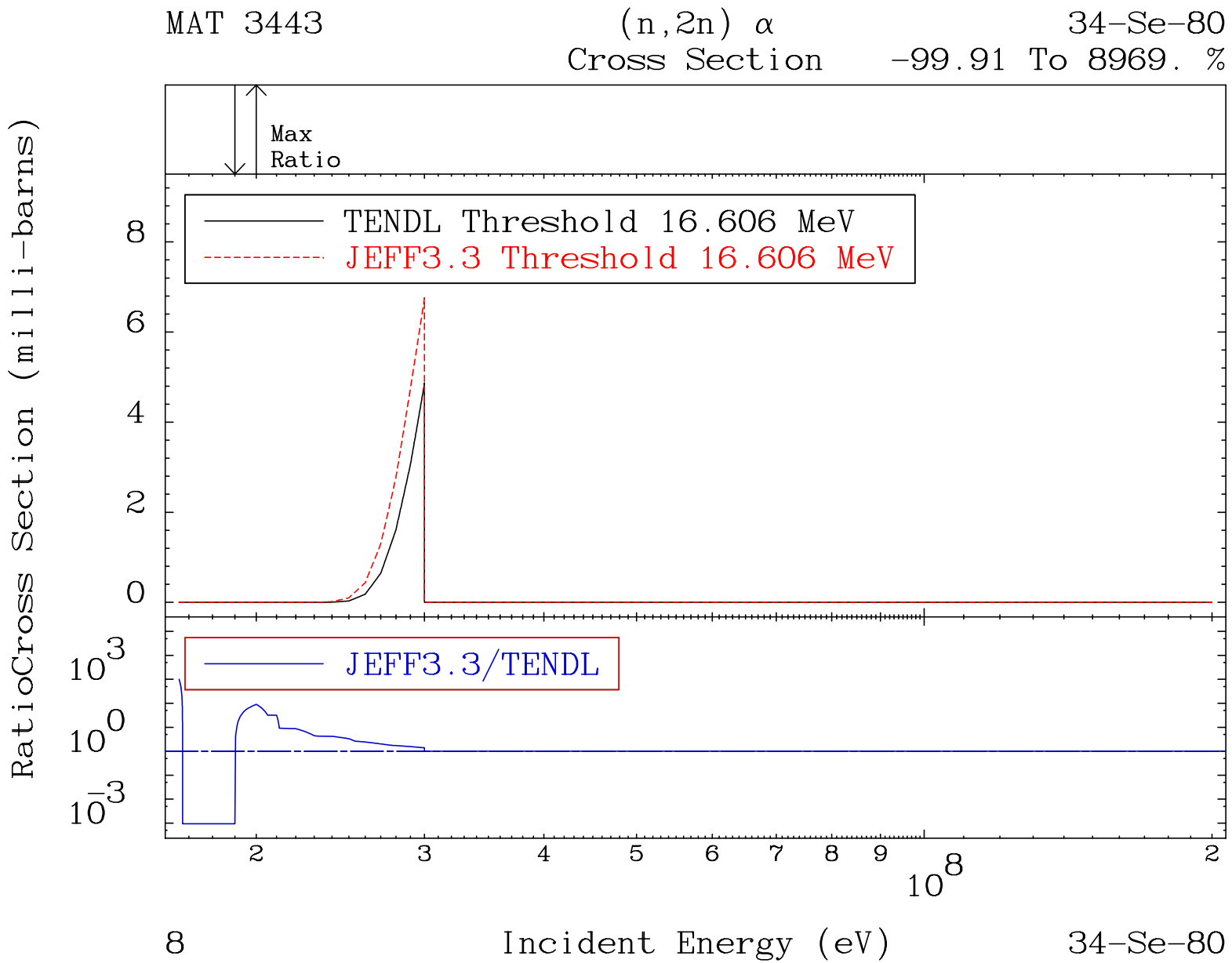

MAT 3443
Inelastic
Cross Section
34-Se-80
-10.33 To 54.63 %
Max
Ratio
Min
Ratio
TENDL Threshold 674.68 keV
JEFF3.3 Threshold 674.68 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
1.6
1.2
8
2
3
4
5
6
8
2
3
4
5
6
8
2
10^6
10^7
10^8
3
Incident Energy (eV)
34-Se-80

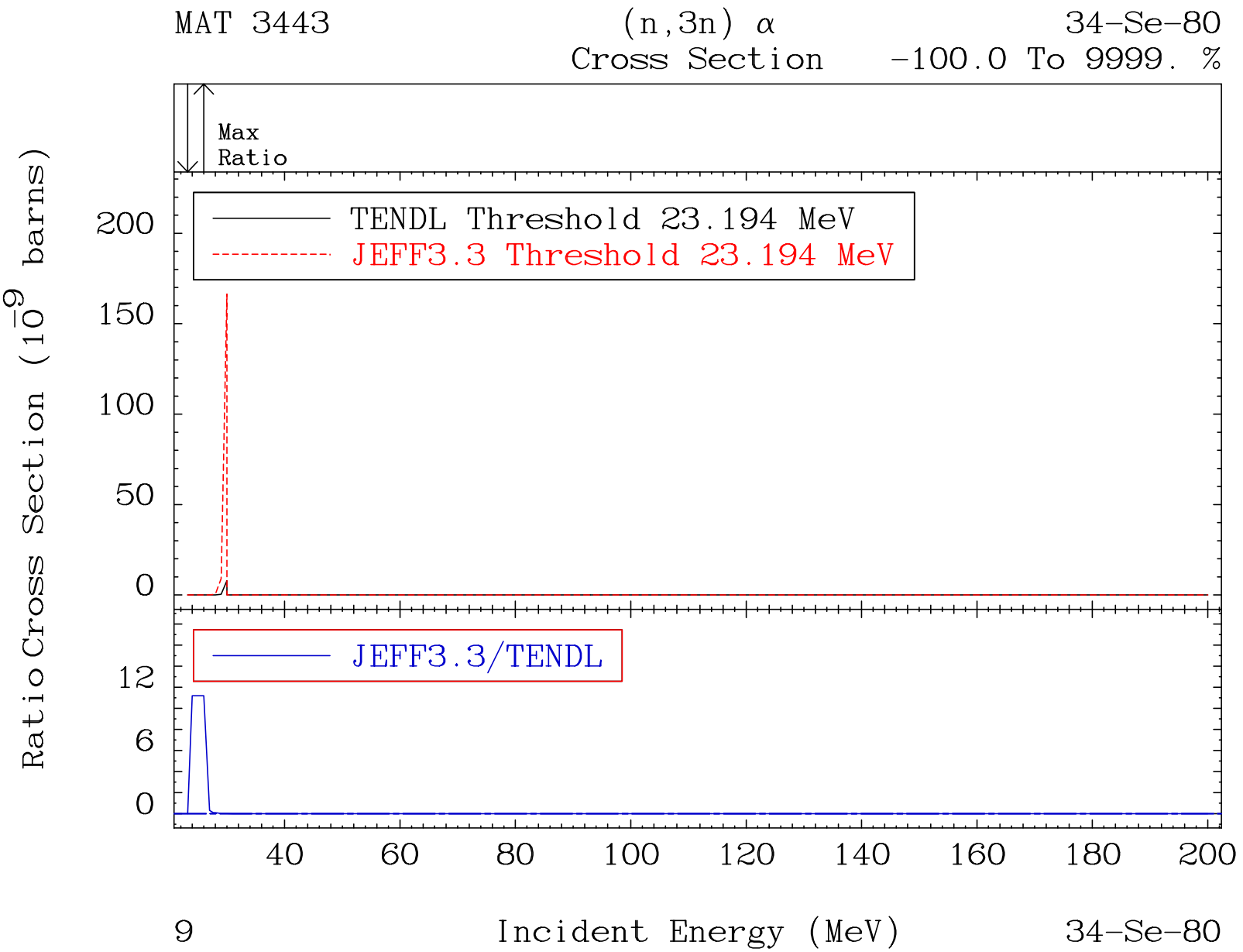

MAT 3443
(n,2n) d
34-Se-80
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 25.366 MeV
JEFF3.3 Threshold 25.366 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
30
20
10
0
400
200
0
40
60
80
100
120
140
160
180
200
4
Incident Energy (MeV)
34-Se-80

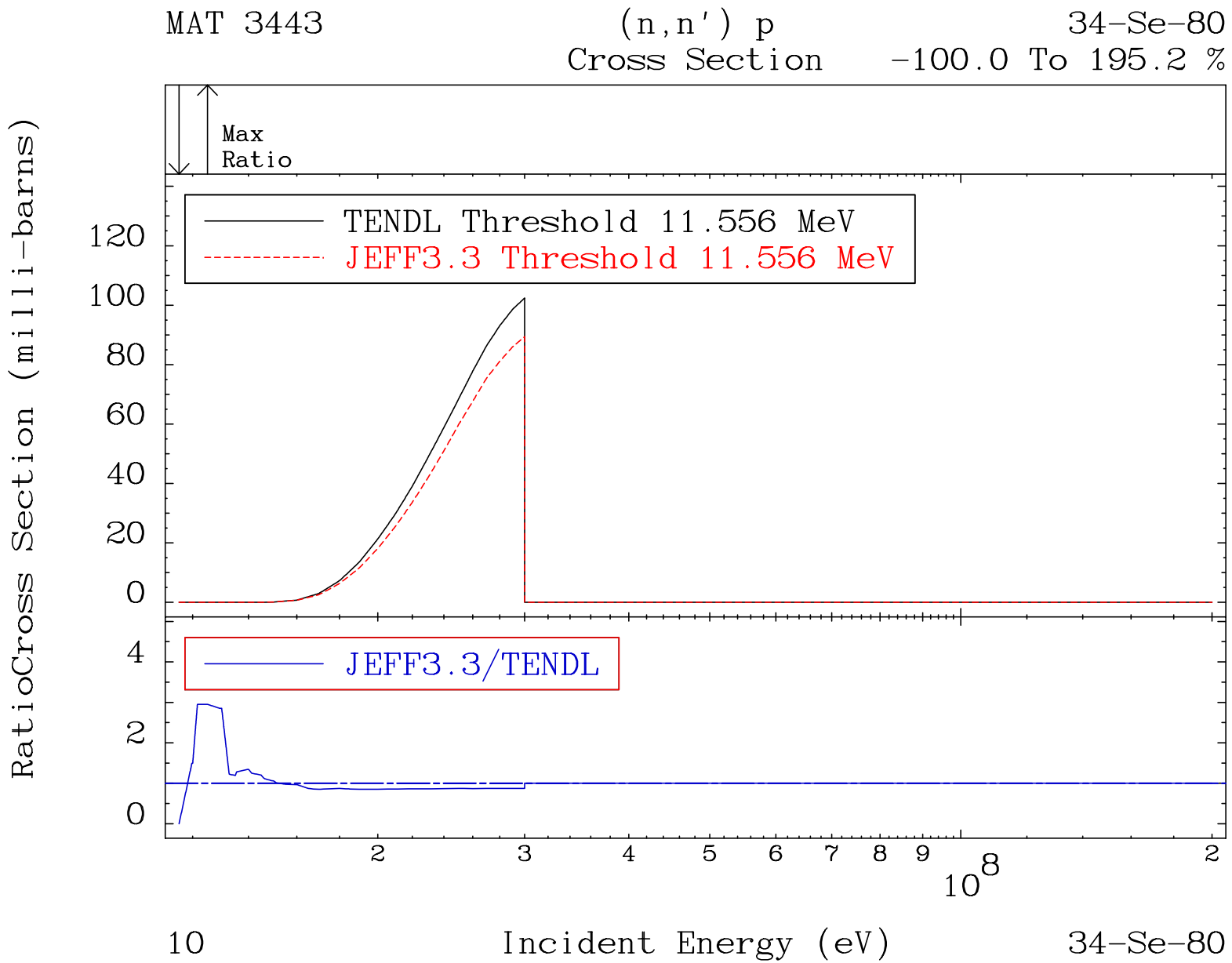

MAT 3443
(n,2n)
Cross Section
34-Se-80
-100.0 To 104.0 %
Max
Ratio
TENDL Threshold 10.038 MeV
JEFF3.3 Threshold 10.038 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
3.0
2.0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
34-Se-80

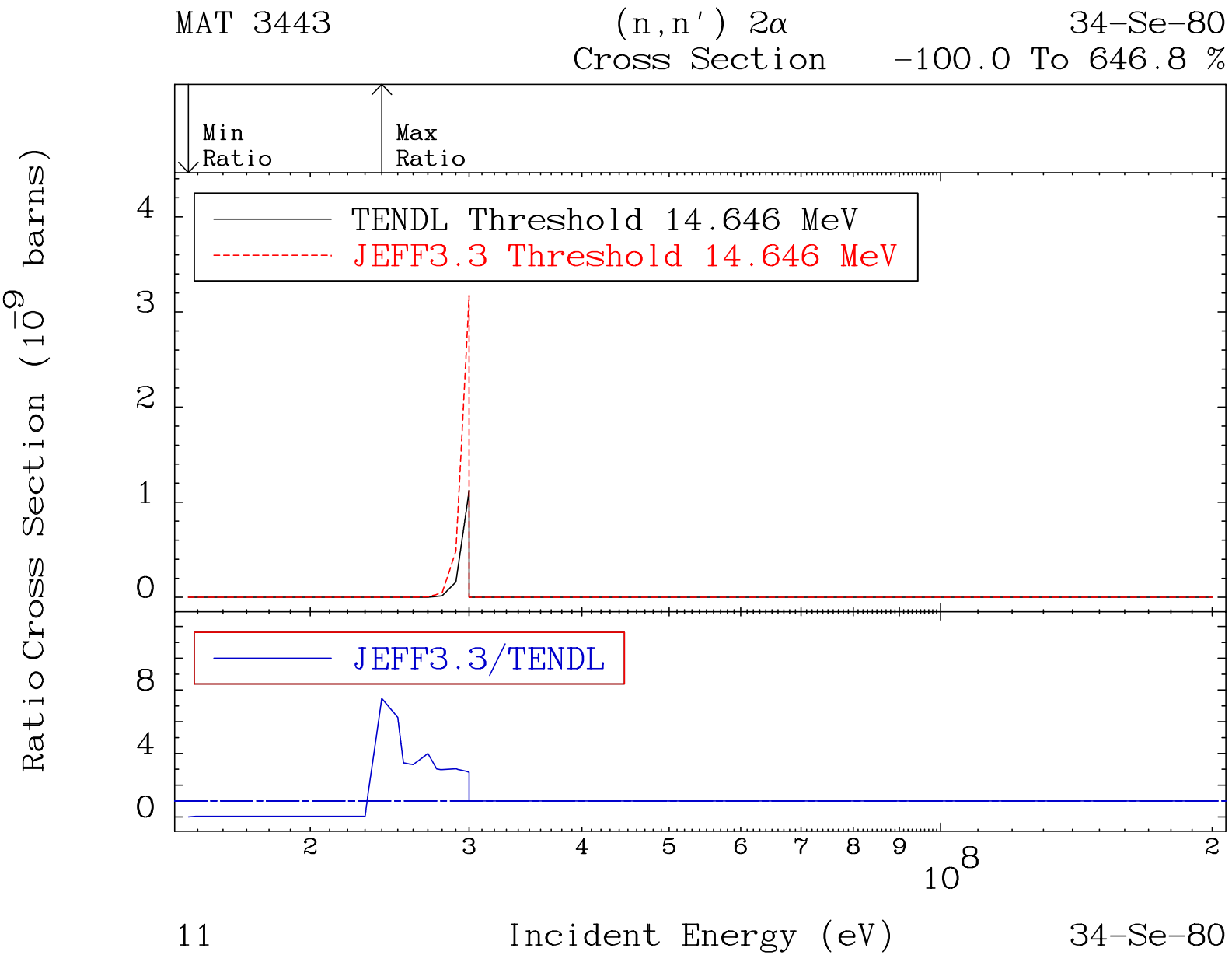

MAT 3443
(n,3n)
34-Se-80
Cross Section
-100.0 To 350.6 %
Max
Ratio
TENDL Threshold 17.089 MeV
JEFF3.3 Threshold 17.089 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
6
4
2
0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
34-Se-80

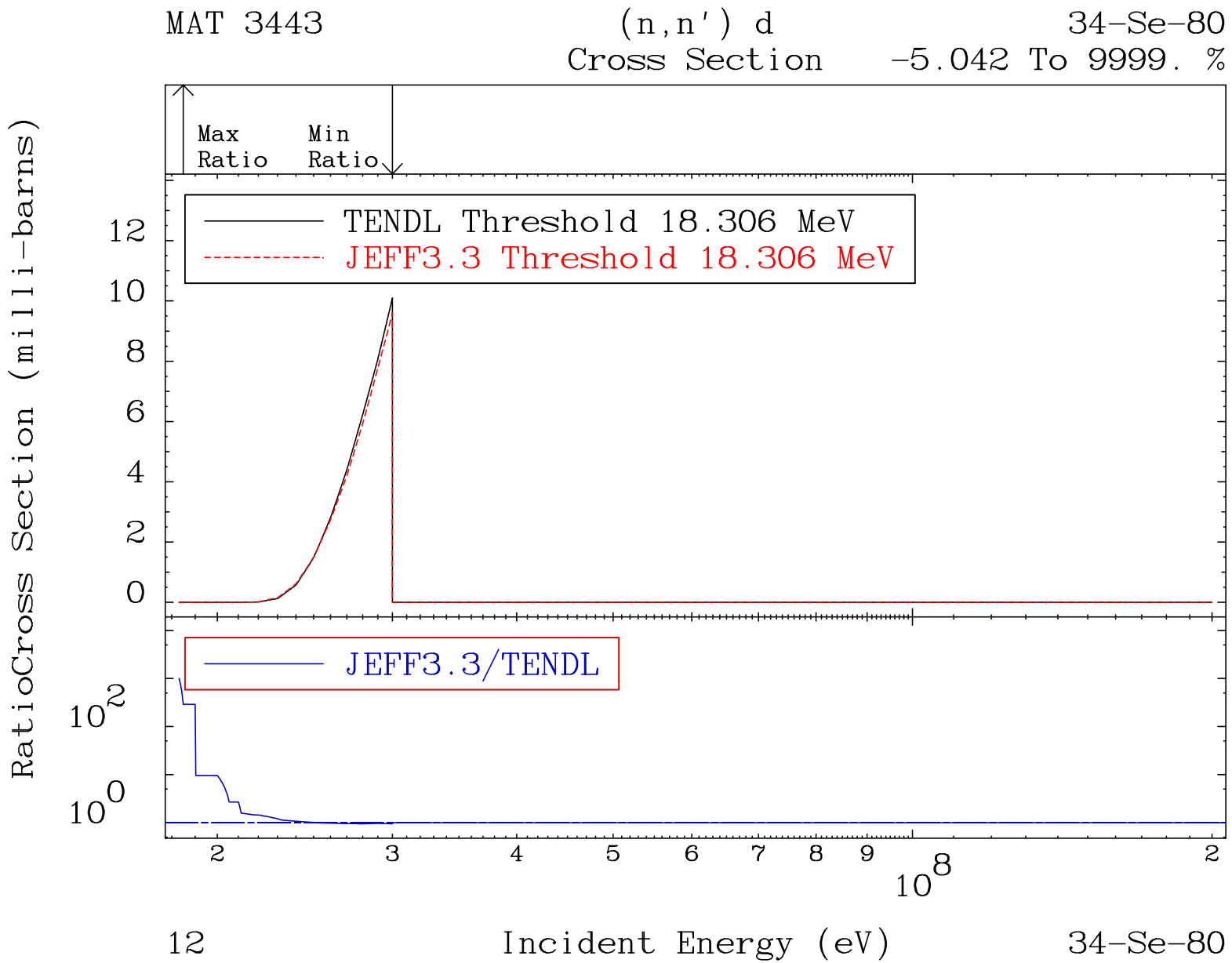

MAT 3443
(n,n') α
34-Se-80
Cross Section
-99.75 To 1628. %
Max
Ratio
TENDL Threshold 7.0595 MeV
JEFF3.3 Threshold 7.0595 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
10^2
10^0
10^-2
7 8 10^7 2 3 4 5 6 7 8 10^8 2
7
Incident Energy (eV)
34-Se-80

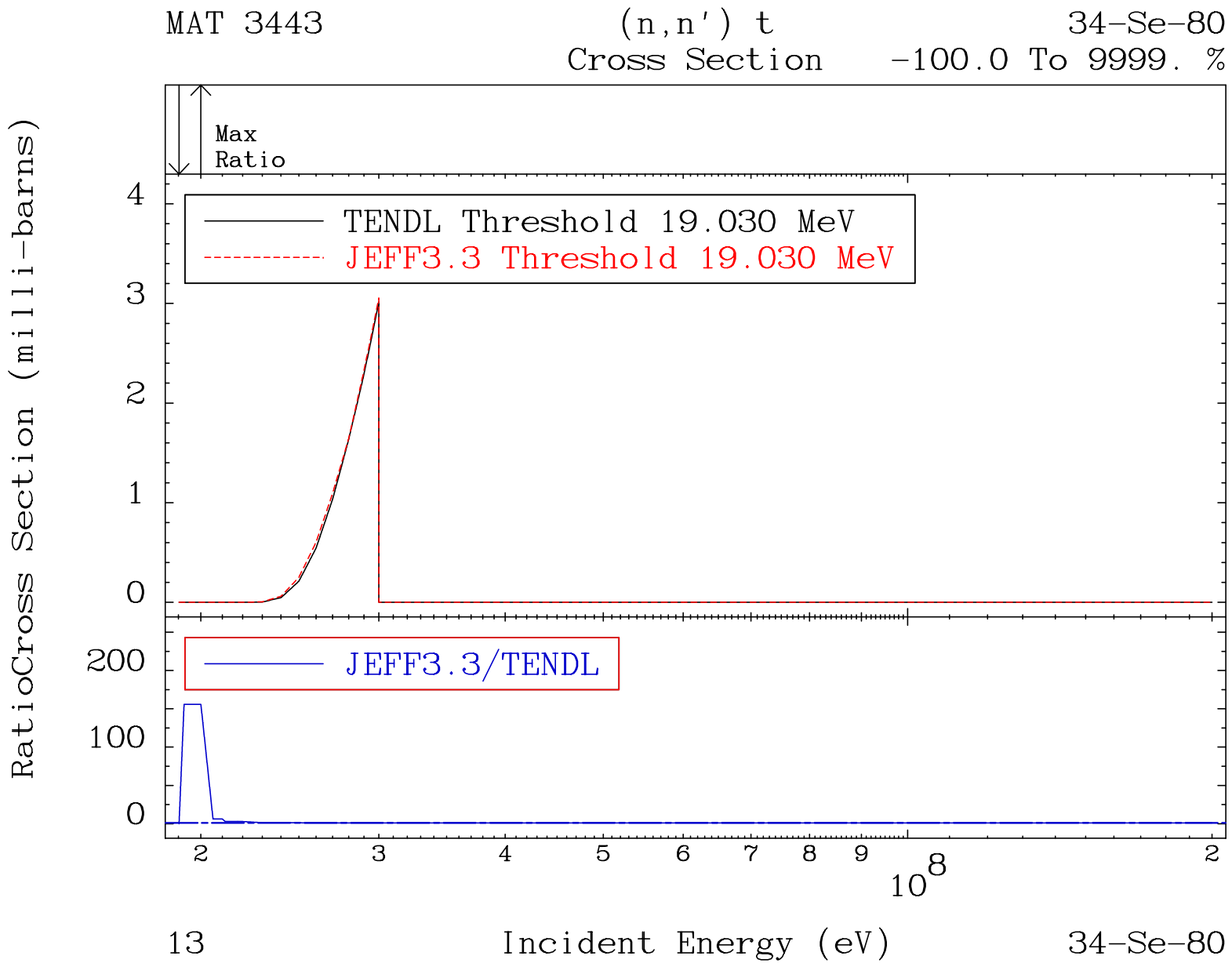

MAT 3443
(n,2n) α
34-Se-80
Cross Section
-99.91 To 8969. %
Max
Ratio
TENDL Threshold 16.606 MeV
JEFF3.3 Threshold 16.606 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
8
34-Se-80

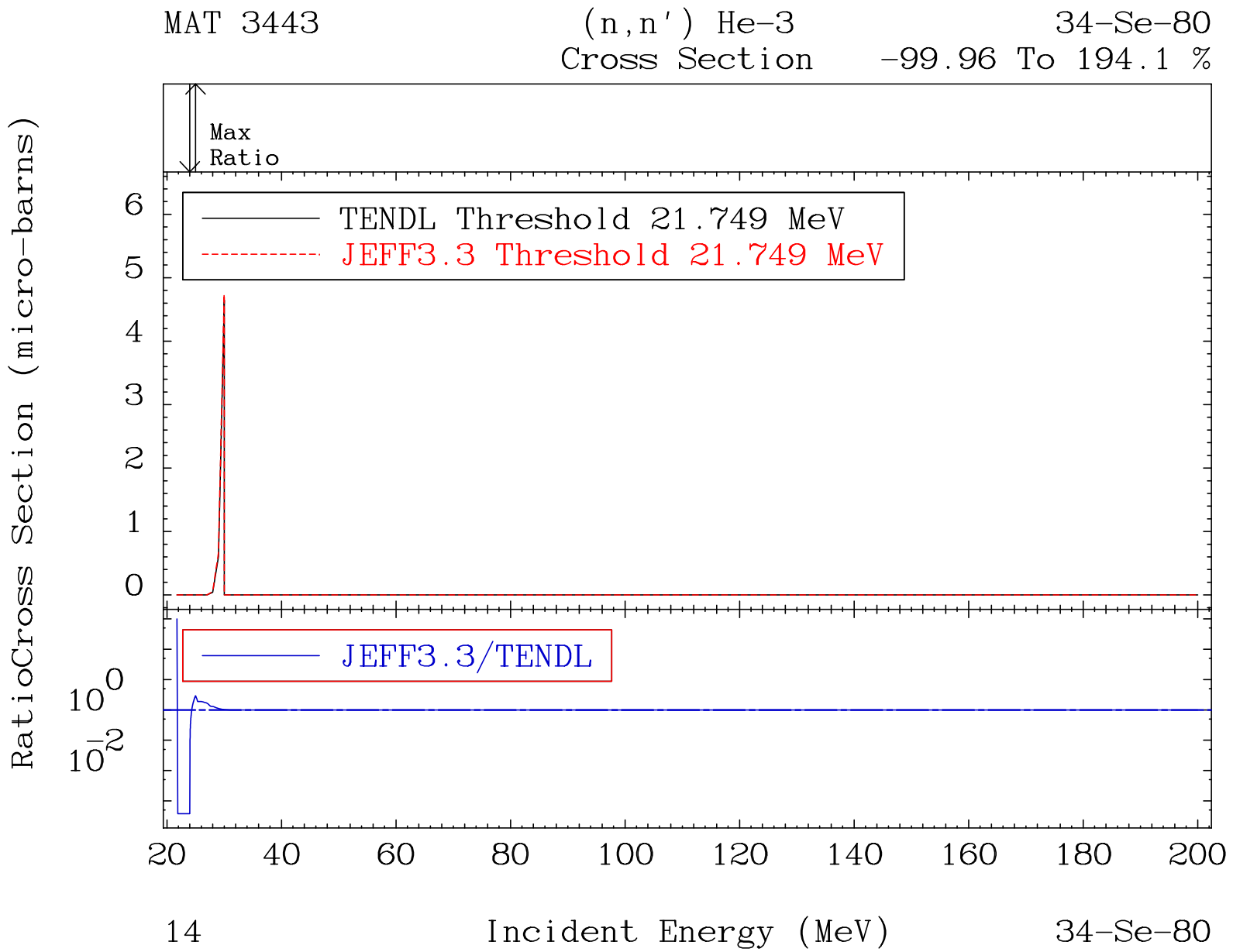

MAT 3443
(n,3n) α
34-Se-80
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 23.194 MeV
JEFF3.3 Threshold 23.194 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
200
150
100
50
0
12
6
0
40
60
80
100
120
140
160
180
200
9
Incident Energy (MeV)
34-Se-80

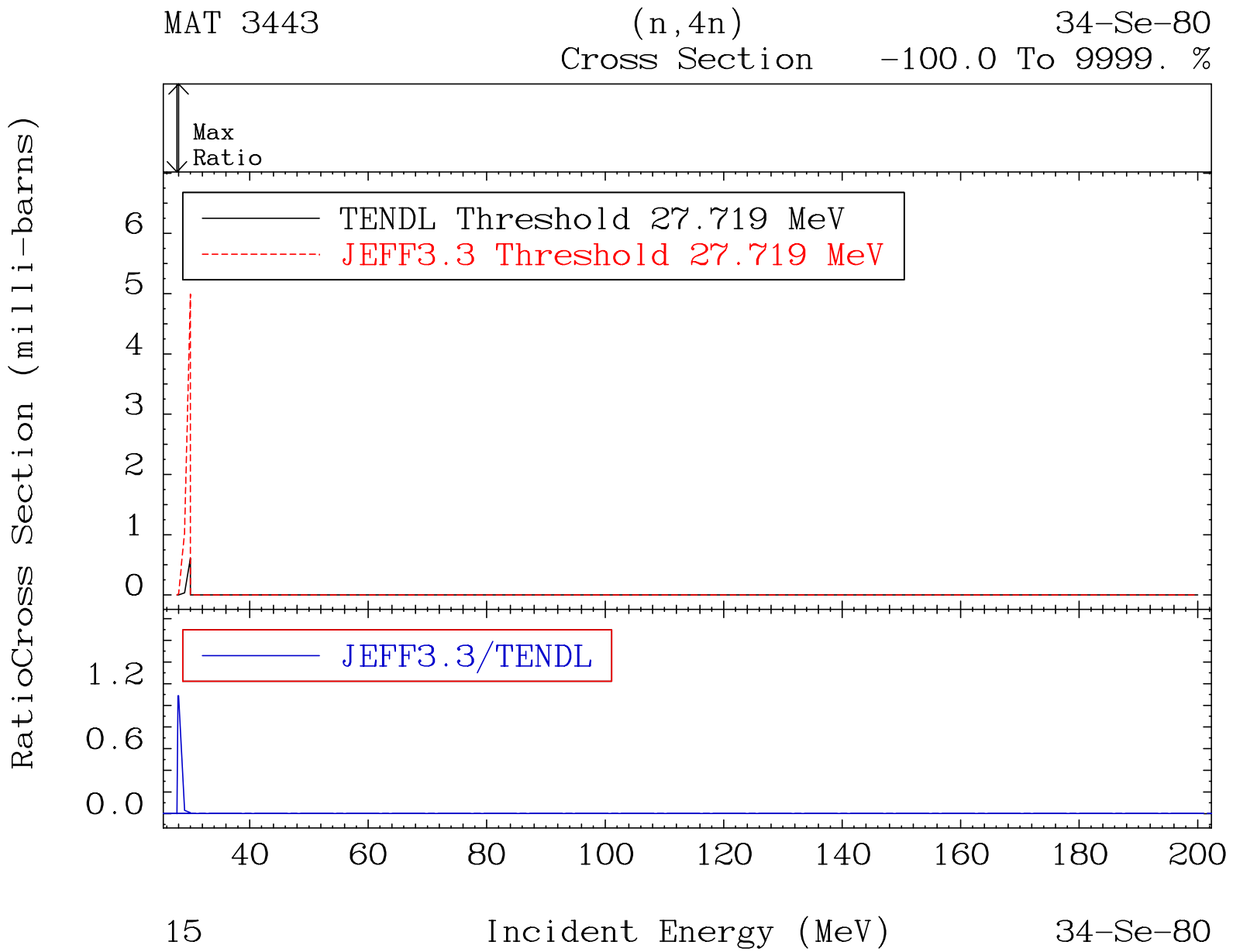

MAT 3443
(n,n') p
Cross Section
34-Se-80
-100.0 To 195.2 %
Max
Ratio
TENDL Threshold 11.556 MeV
JEFF3.3 Threshold 11.556 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
4
2
0
2
3
4
5
6
7
8
9
2
10^8
10
Incident Energy (eV)
34-Se-80

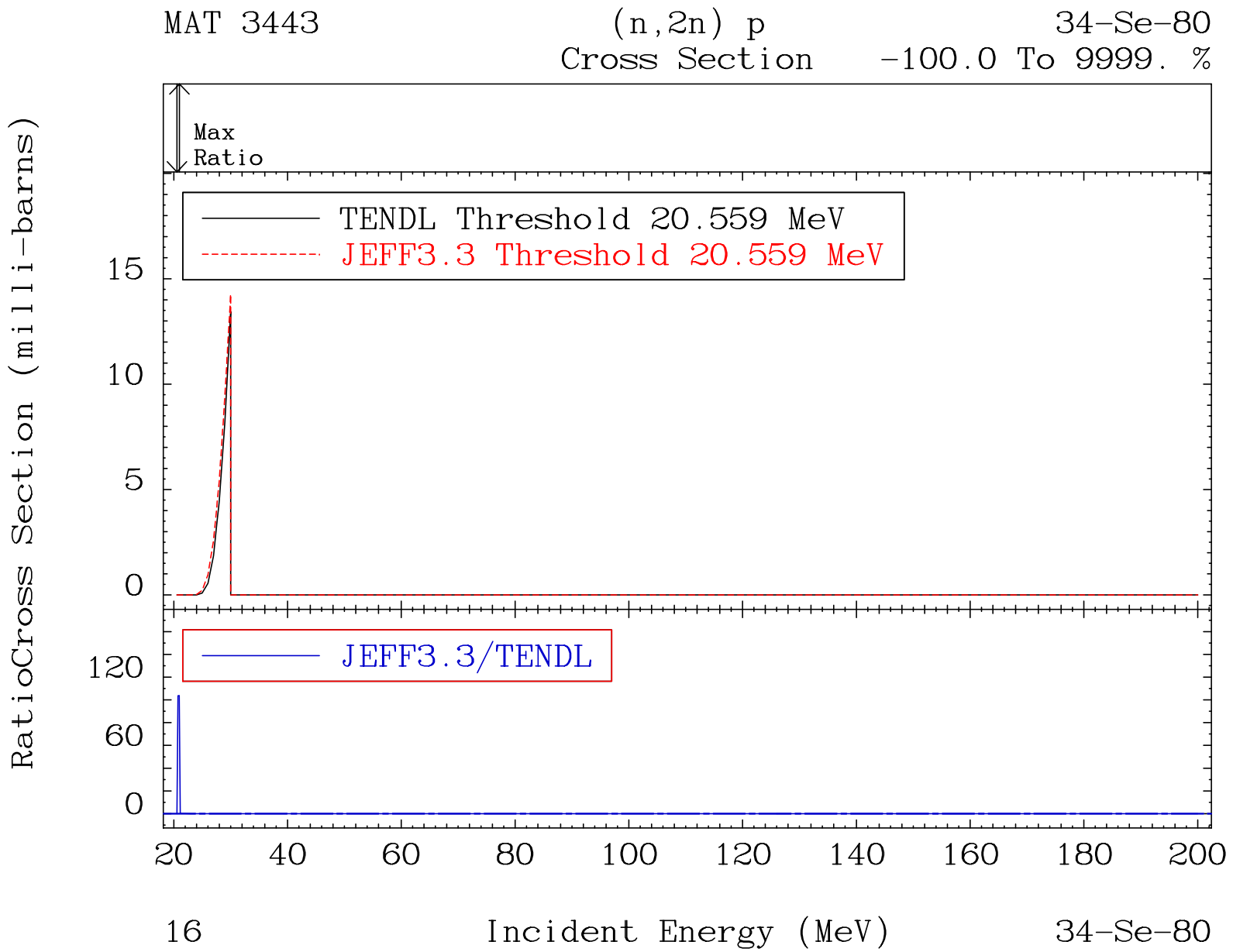

MAT 3443
(n,n') 2α
Cross Section
34-Se-80
-100.0 To 646.8 %
Min Ratio
Max Ratio
TENDL Threshold 14.646 MeV
JEFF3.3 Threshold 14.646 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
Incident Energy (eV)
10^8
11
34-Se-80

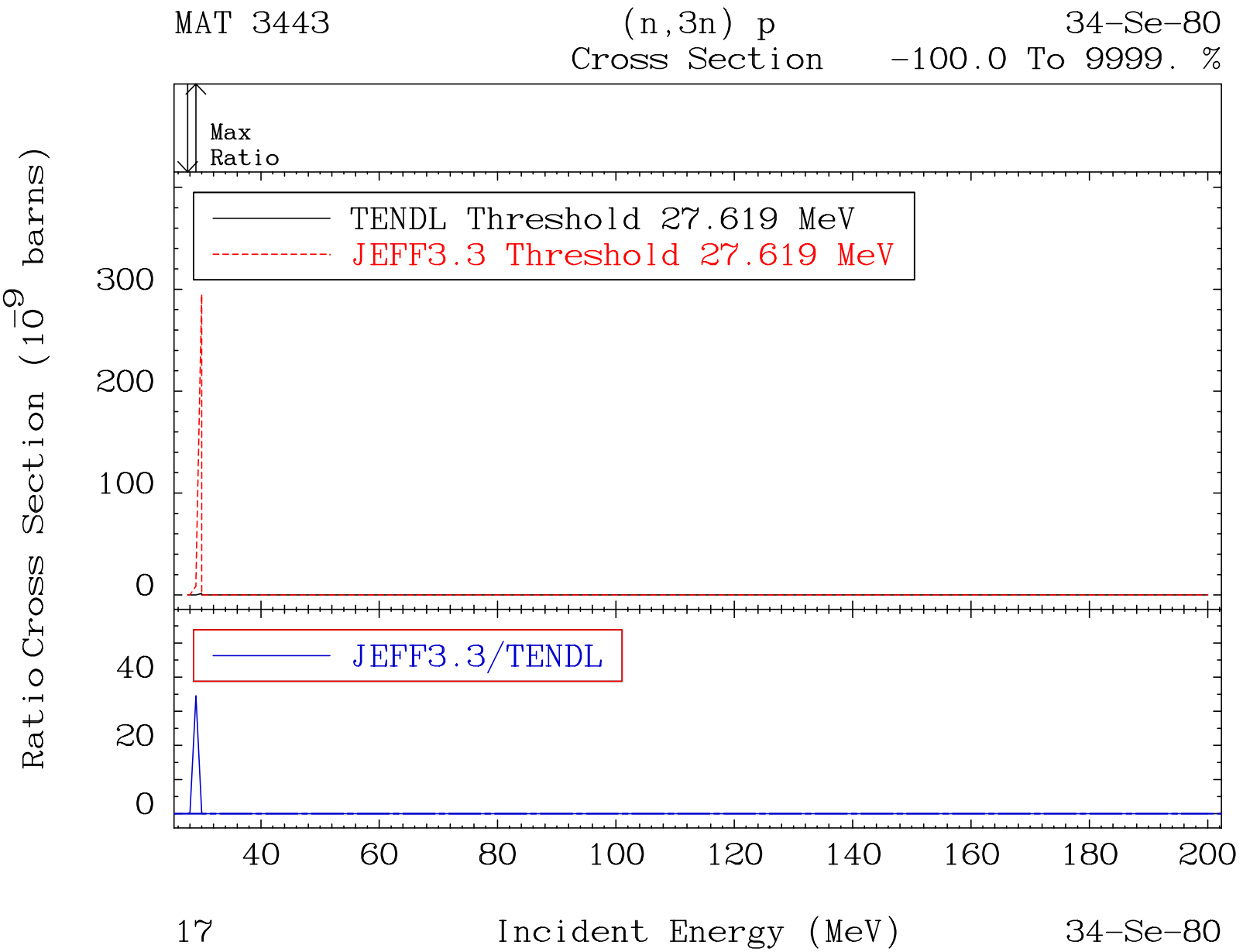

MAT 3443
(n,n') d
Cross Section
34-Se-80
-5.042 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 18.306 MeV
JEFF3.3 Threshold 18.306 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
34-Se-80

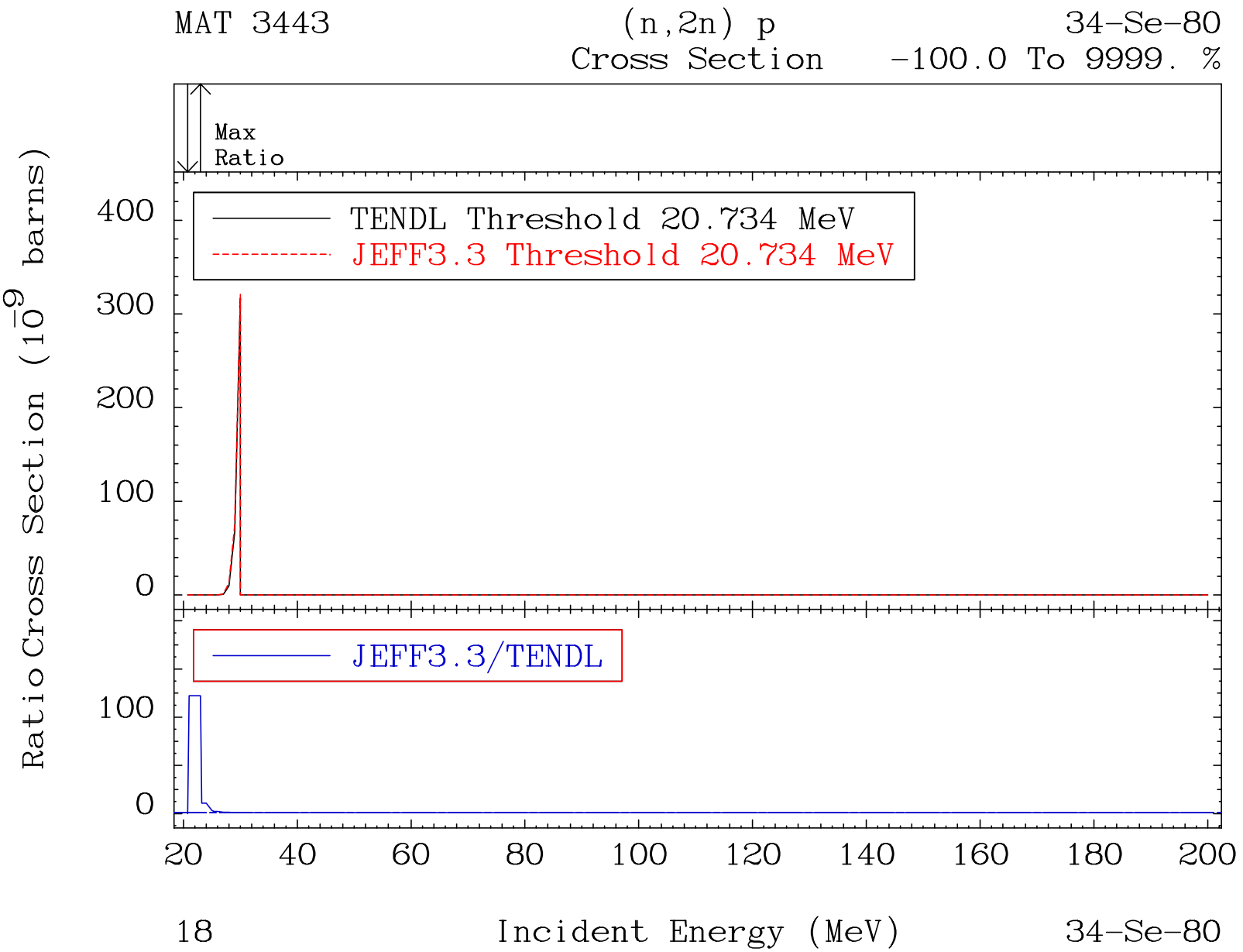

MAT 3443
(n,n') t
34-Se-80
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 19.030 MeV
JEFF3.3 Threshold 19.030 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
4
3
2
1
0
200
100
0
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
34-Se-80

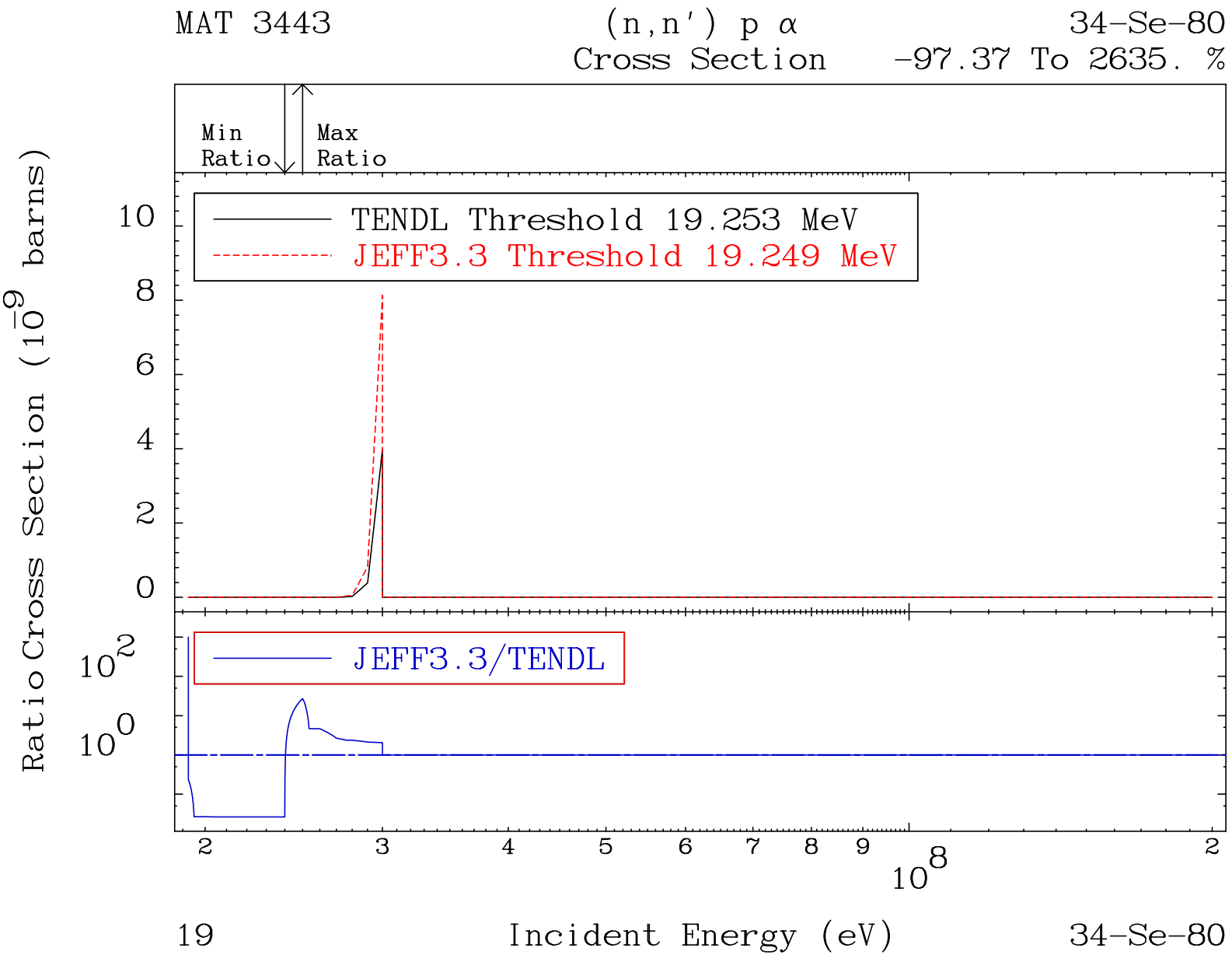

MAT 3443
(n,n') He-3
34-Se-80
Cross Section
-99.96 To 194.1 %
Max
Ratio
TENDL Threshold 21.749 MeV
JEFF3.3 Threshold 21.749 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (MeV)
14
34-Se-80

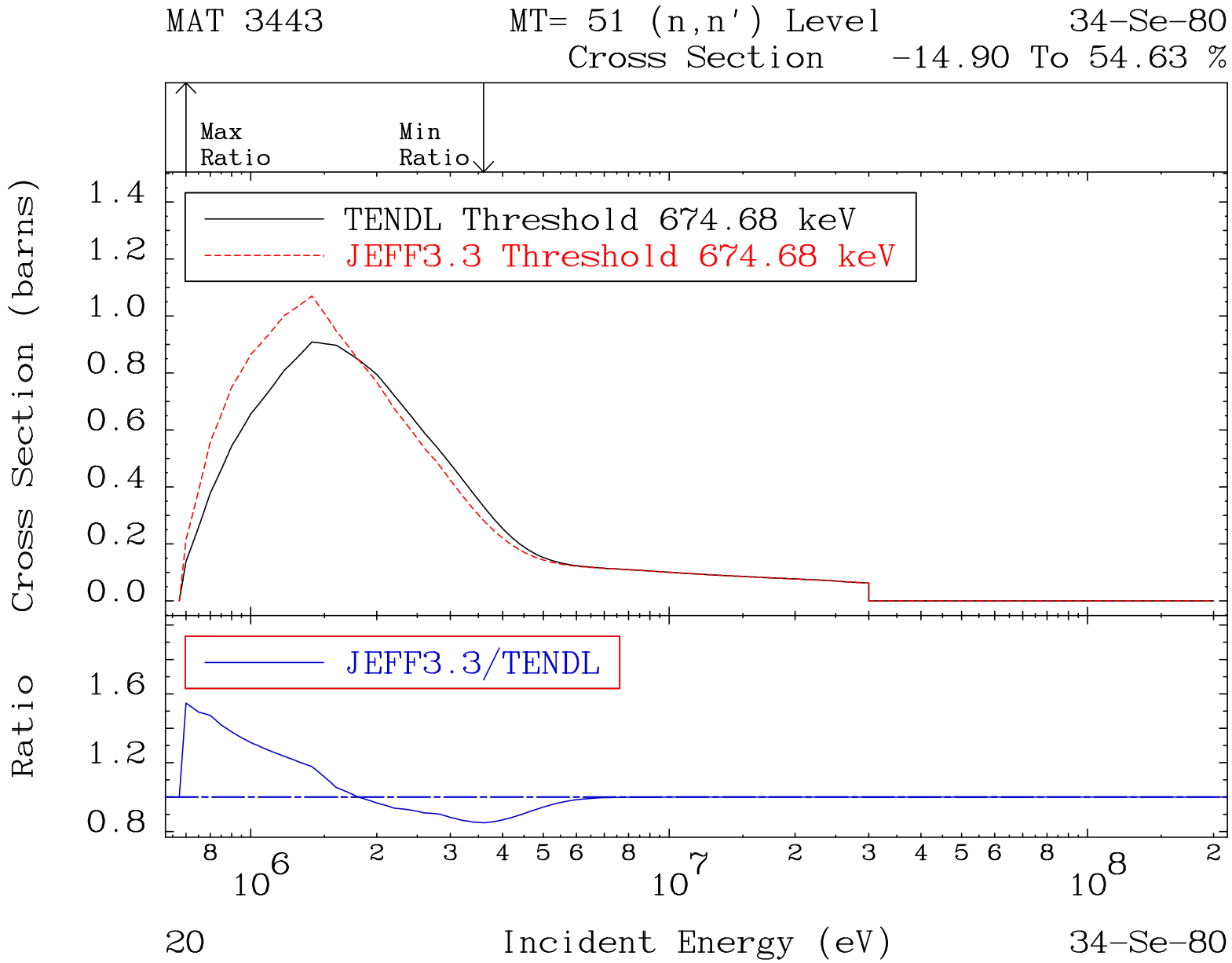

MAT 3443
(n,4n)
34-Se-80
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 27.719 MeV
JEFF3.3 Threshold 27.719 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0
1
2
3
4
5
6
0.0
0.6
1.2
40
60
80
100
120
140
160
180
200
Incident Energy (MeV)
15
34-Se-80

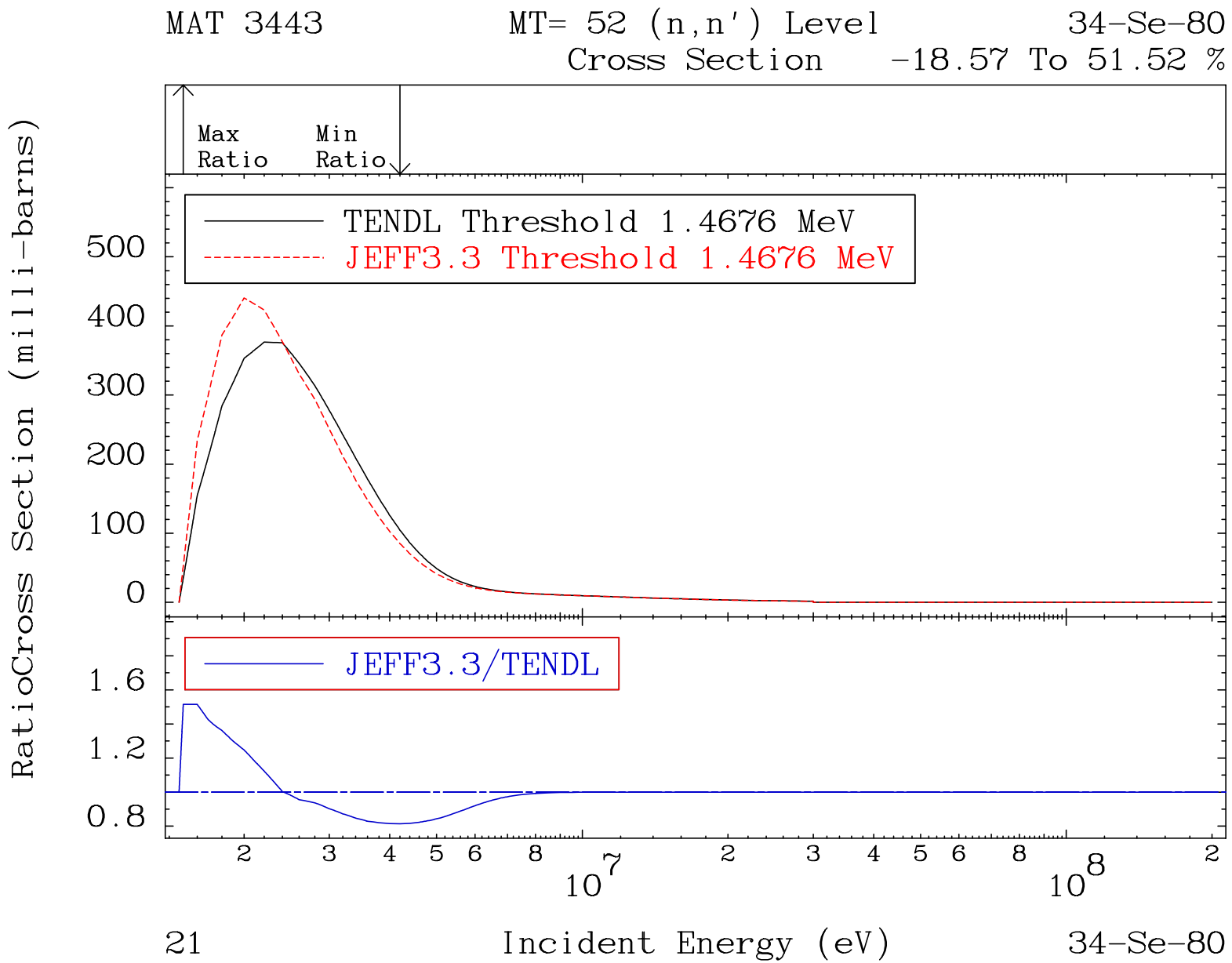

MAT 3443
(n,2n) p
34-Se-80
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 20.559 MeV
JEFF3.3 Threshold 20.559 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
15
10
5
0
120
60
0
20
40
60
80
100
120
140
160
180
200
16
Incident Energy (MeV)
34-Se-80

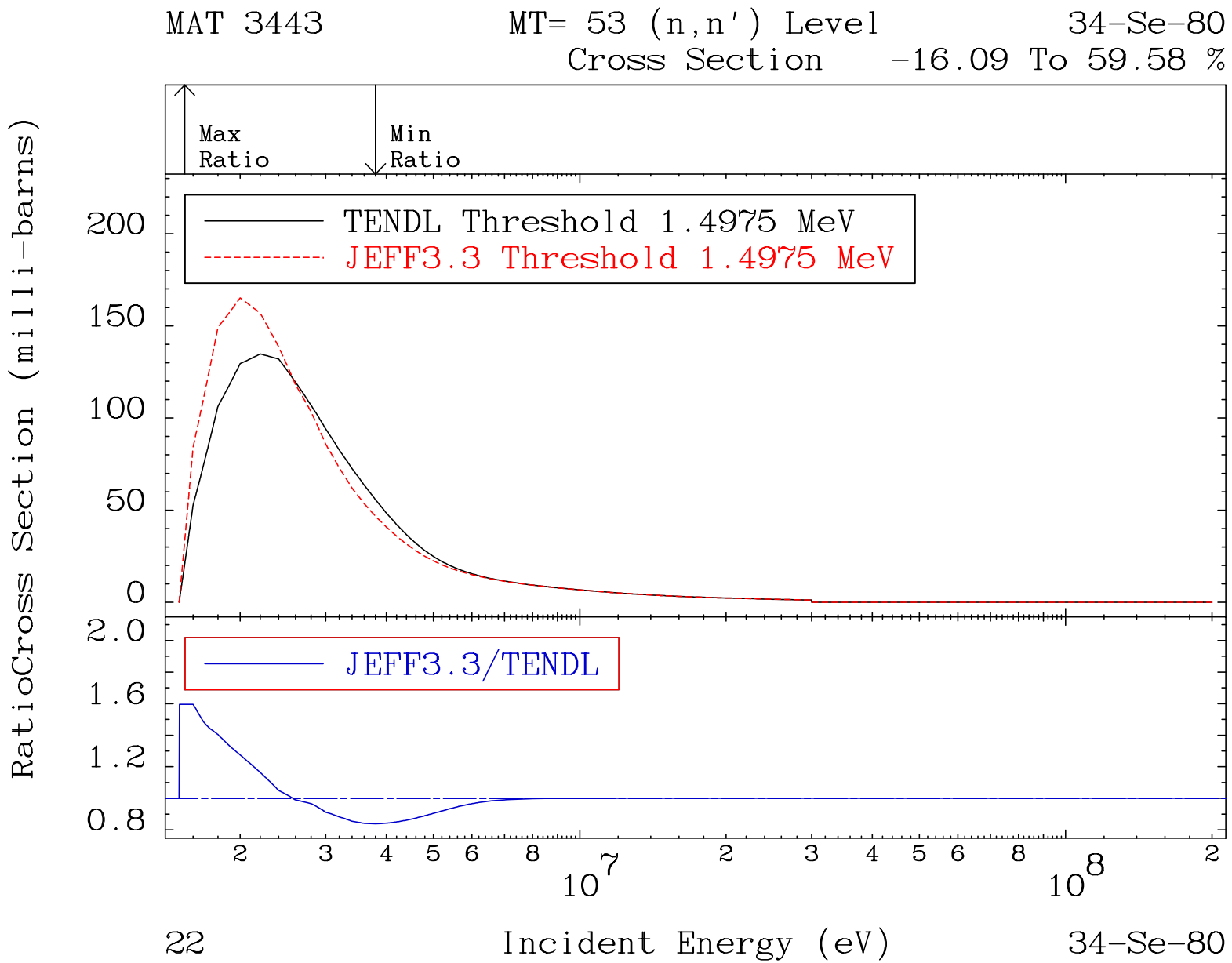

MAT 3443
(n,3n) p
34-Se-80
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 27.619 MeV
JEFF3.3 Threshold 27.619 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
300
200
100
0
40
20
0
40
60
80
100
120
140
160
180
200
17
Incident Energy (MeV)
34-Se-80

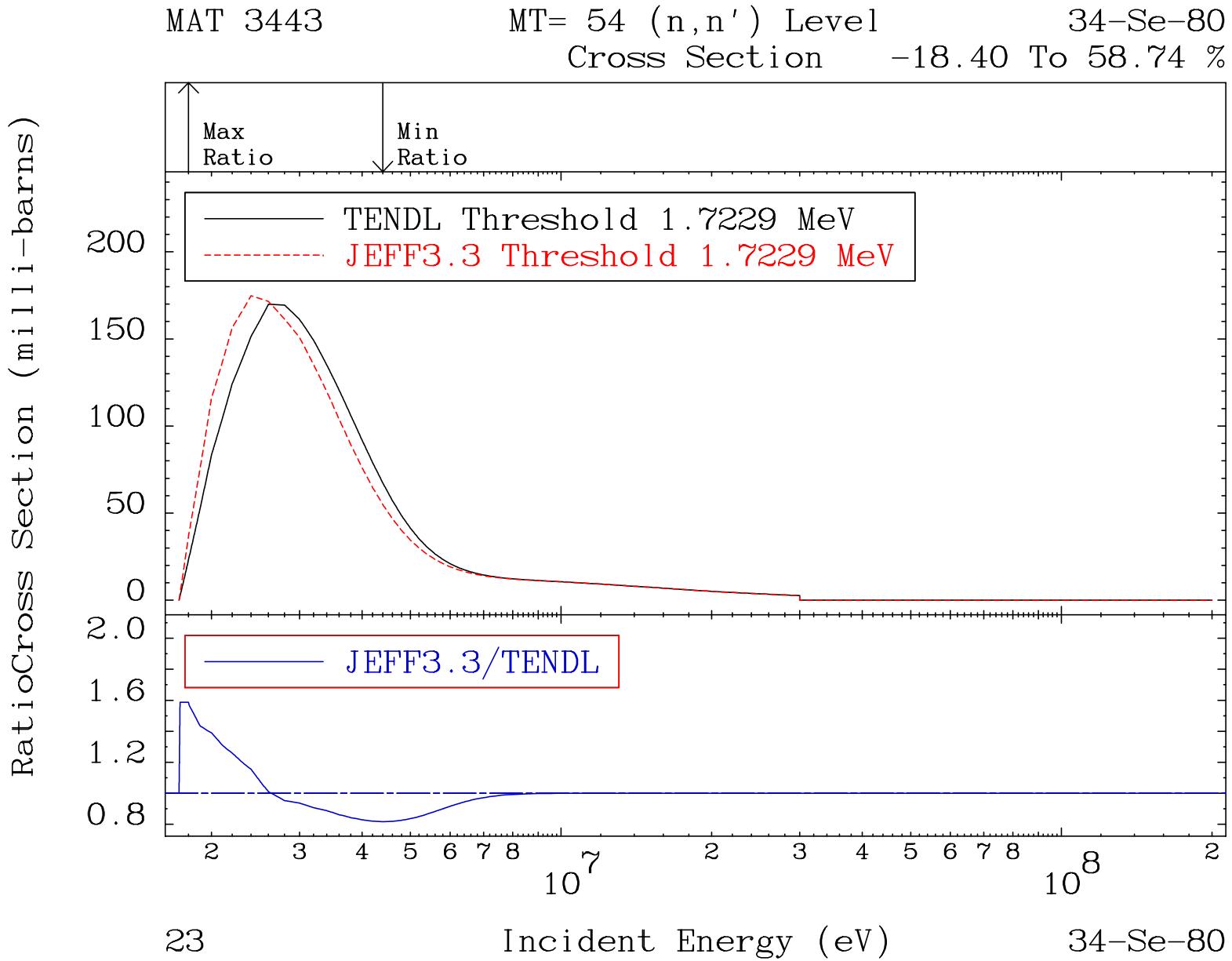

MAT 3443
(n,2n) p
34-Se-80
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 20.734 MeV
JEFF3.3 Threshold 20.734 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
400
300
200
100
0
100
0
20
40
60
80
100
120
140
160
180
200
18
Incident Energy (MeV)
34-Se-80

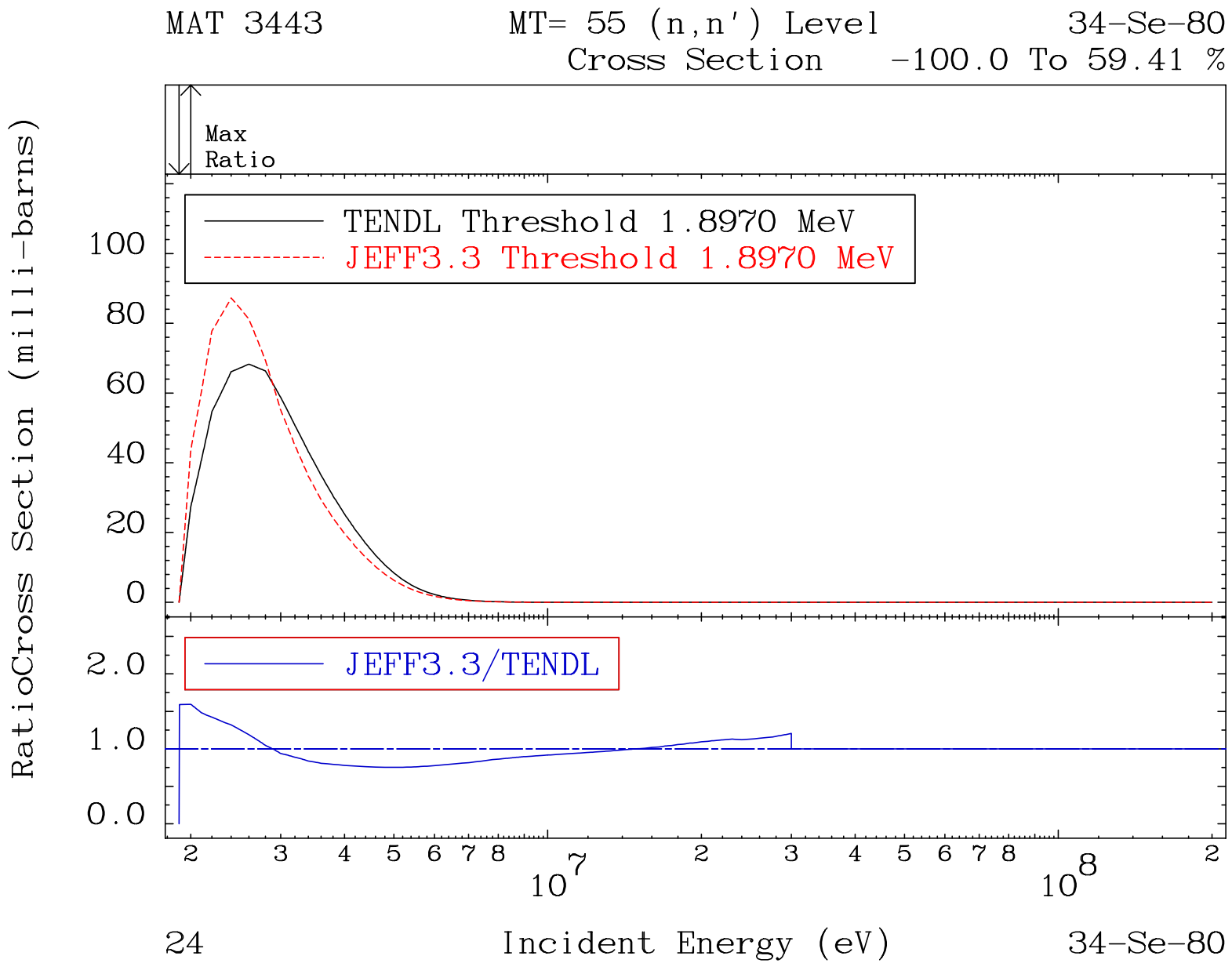

MAT 3443
(n,n') p α
34-Se-80
Cross Section
-97.37 To 2635. %
Min Ratio
Max Ratio
TENDL Threshold 19.253 MeV
JEFF3.3 Threshold 19.249 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
10
8
6
4
2
0
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
19
Incident Energy (eV)
34-Se-80

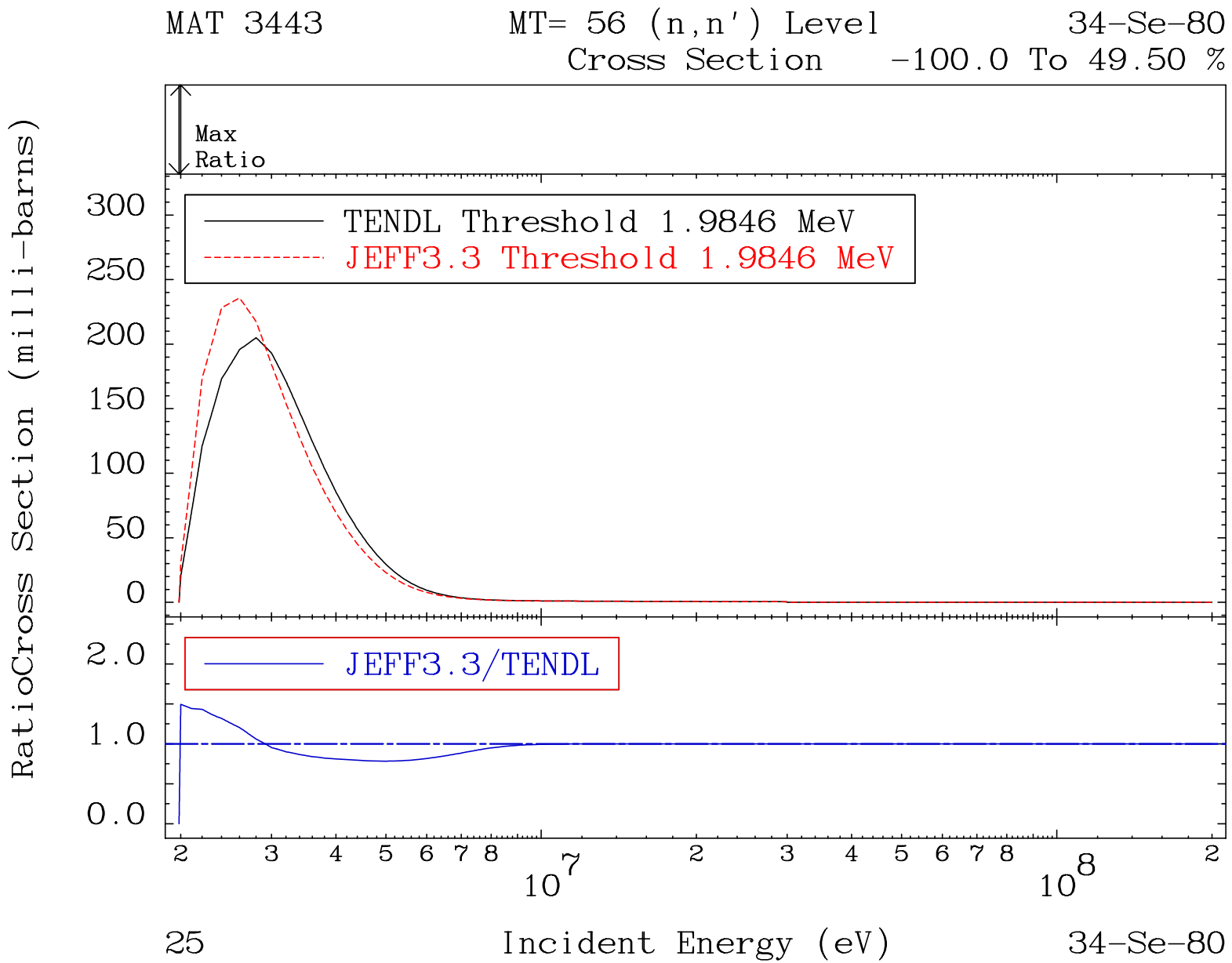

MAT 3443
MT= 51 (n,n') Level
34-Se-80
Cross Section -14.90 To 54.63 %
Max Ratio
Min Ratio
TENDL Threshold 674.68 keV
JEFF3.3 Threshold 674.68 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1.6
1.2
0.8
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
20
Incident Energy (eV)
34-Se-80

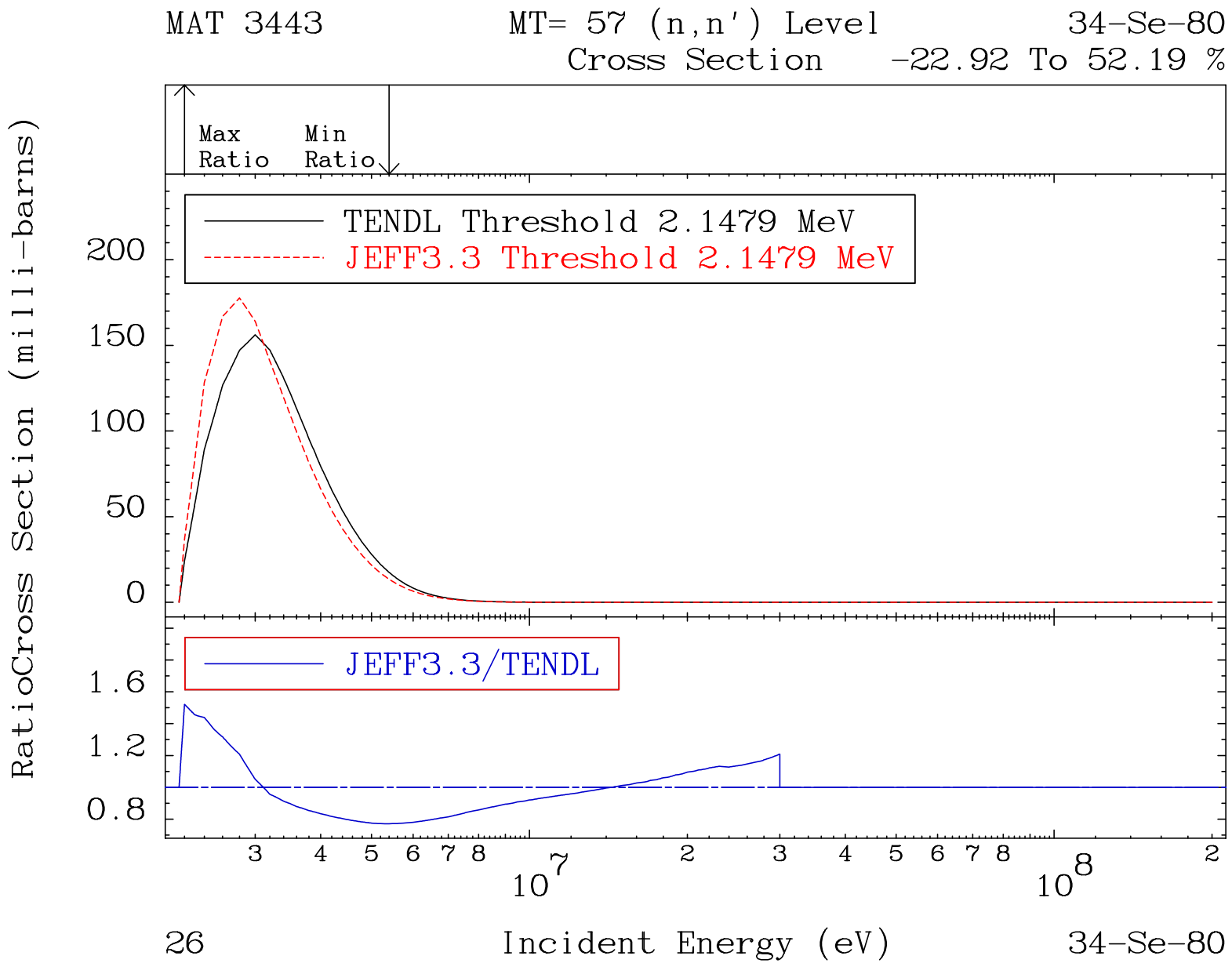

MAT 3443
MT= 52 (n,n') Level
34-Se-80
Cross Section
-18.57 To 51.52 %
Max Ratio
Min Ratio
TENDL Threshold 1.4676 MeV
JEFF3.3 Threshold 1.4676 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
1.6
1.2
0.8
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
21
Incident Energy (eV)
34-Se-80

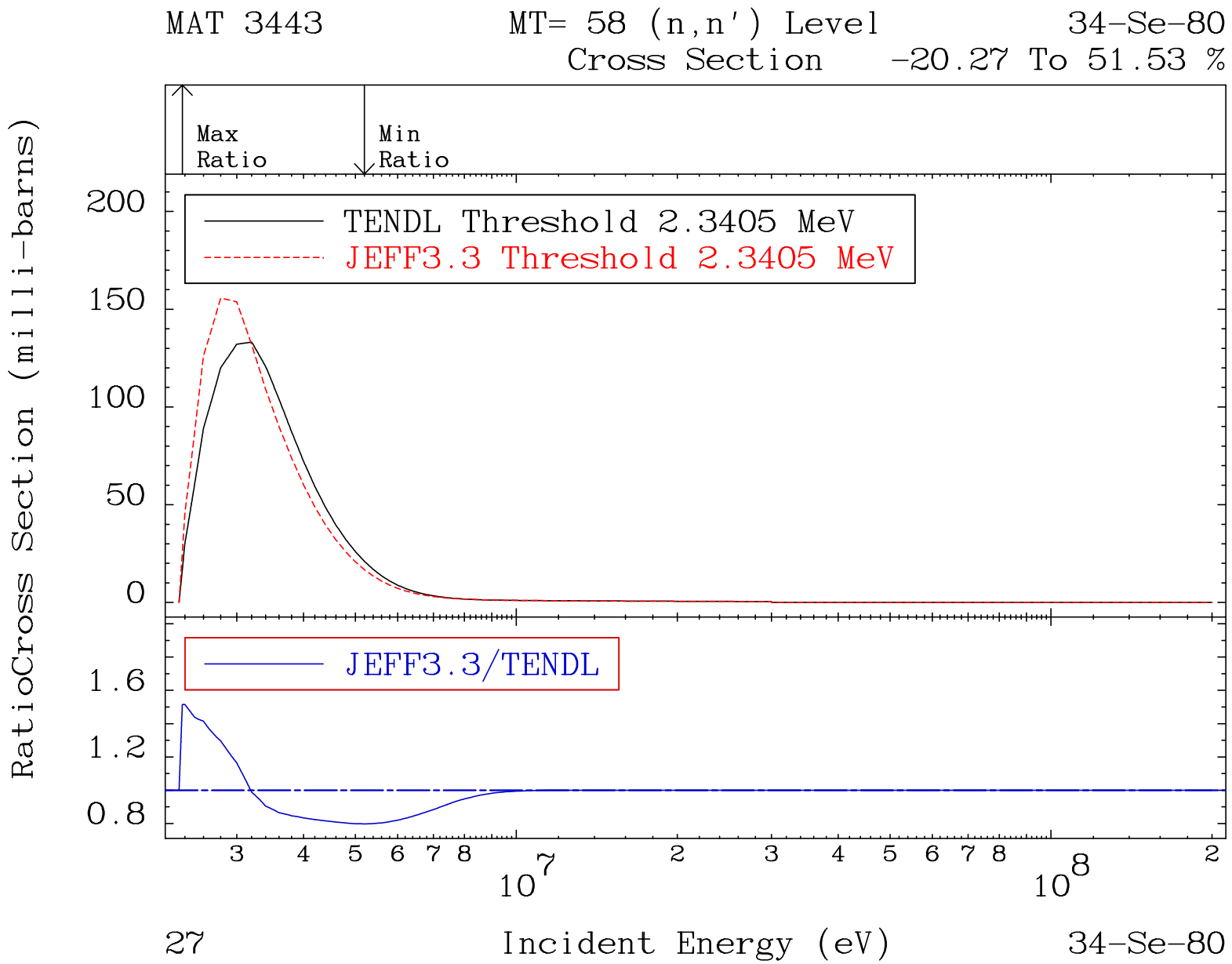

MAT 3443
MT= 53 (n,n') Level
34-Se-80
Cross Section
-16.09 To 59.58 %
Max Ratio
Min Ratio
TENDL Threshold 1.4975 MeV
JEFF3.3 Threshold 1.4975 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.6
1.2
0.8
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
22
Incident Energy (eV)
34-Se-80

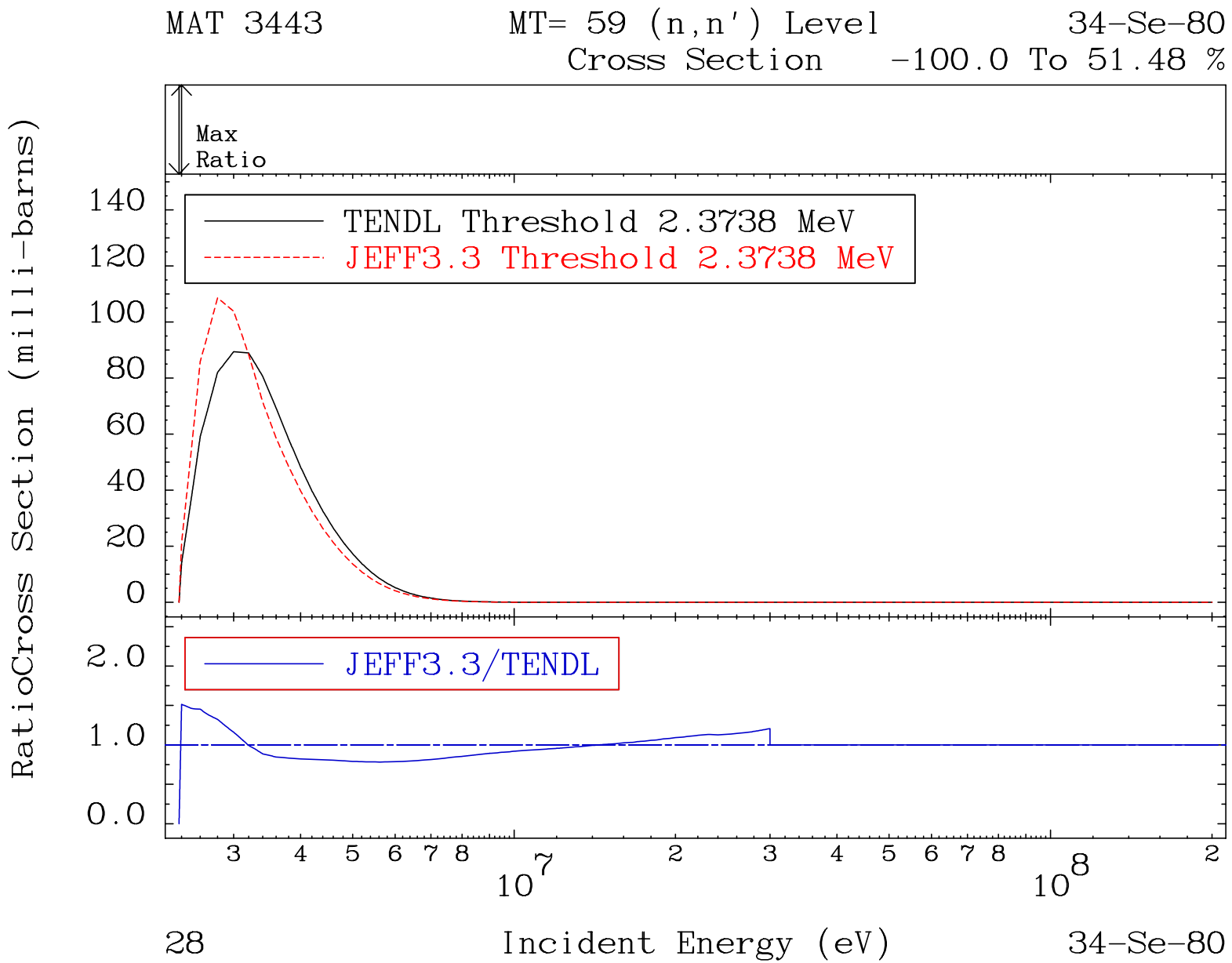

MAT 3443
MT= 54 (n,n') Level
34-Se-80
Cross Section -18.40 To 58.74 %
Max Ratio
Min Ratio
TENDL Threshold 1.7229 MeV
JEFF3.3 Threshold 1.7229 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.6
1.2
0.8
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
34-Se-80

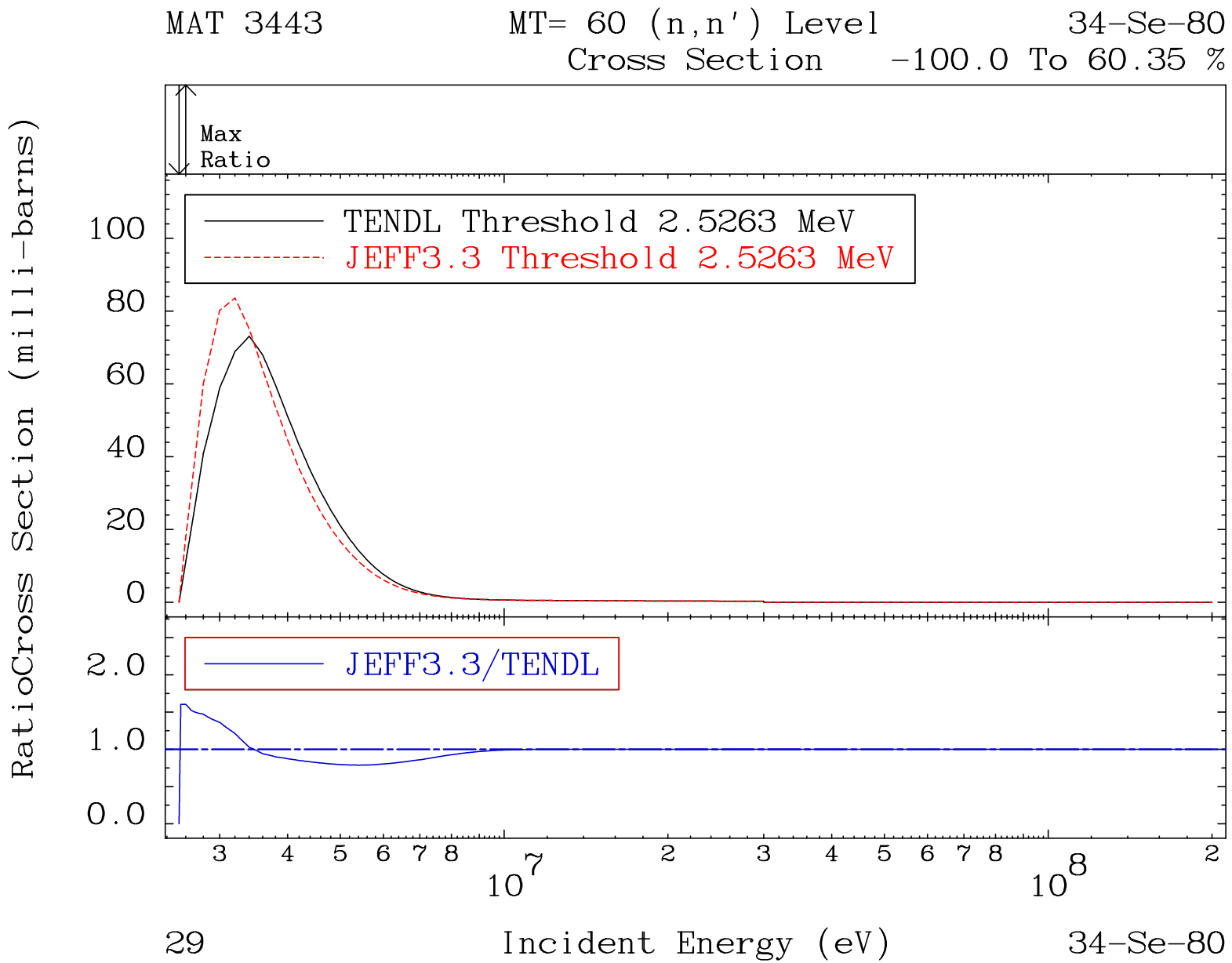

MAT 3443
MT= 55 (n,n') Level
34-Se-80
Cross Section -100.0 To 59.41 %
Max
Ratio
TENDL Threshold 1.8970 MeV
JEFF3.3 Threshold 1.8970 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
34-Se-80

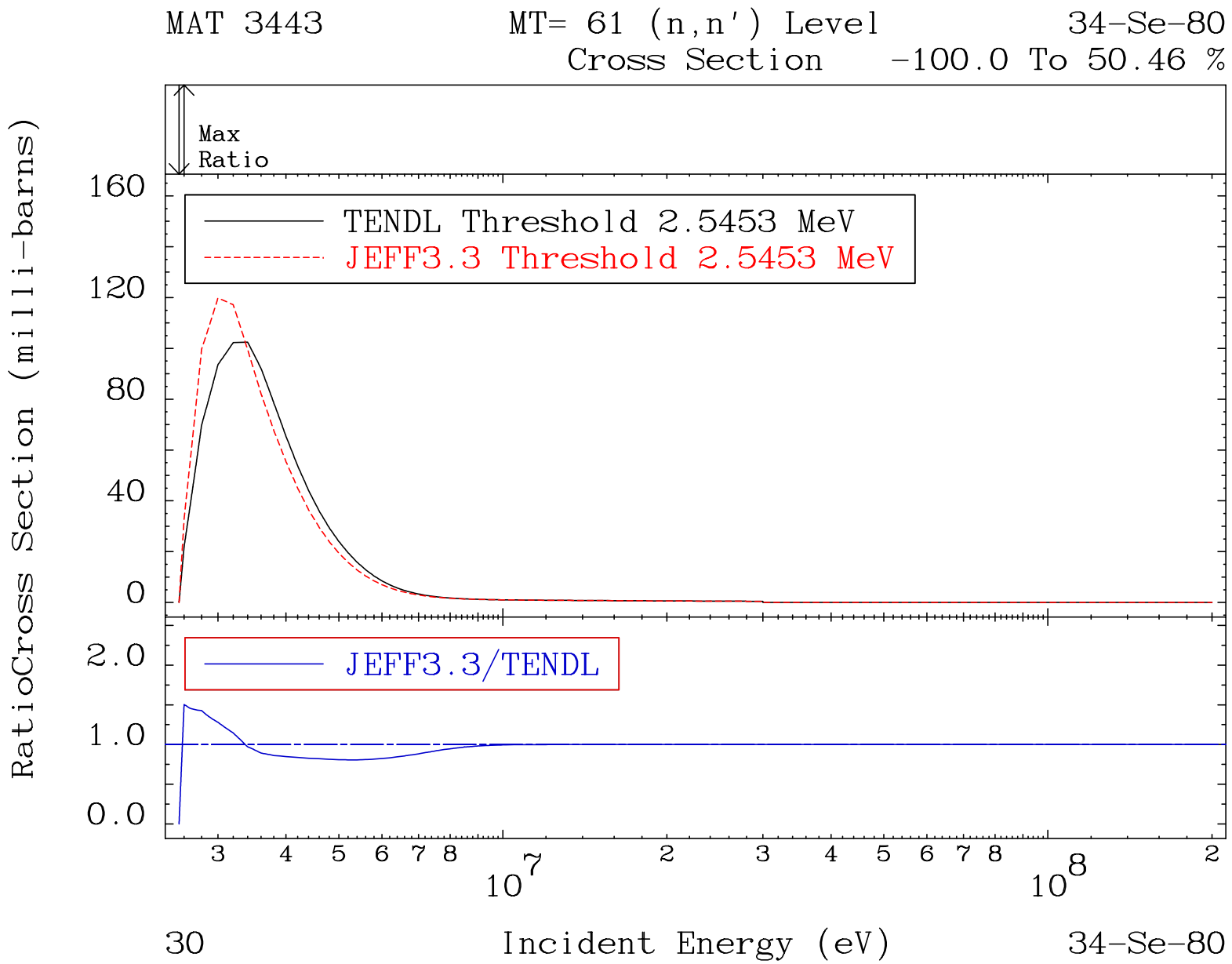

MAT 3443
MT= 56 (n,n') Level
34-Se-80
Cross Section
-100.0 To 49.50 %
Max
Ratio
TENDL Threshold 1.9846 MeV
JEFF3.3 Threshold 1.9846 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
34-Se-80

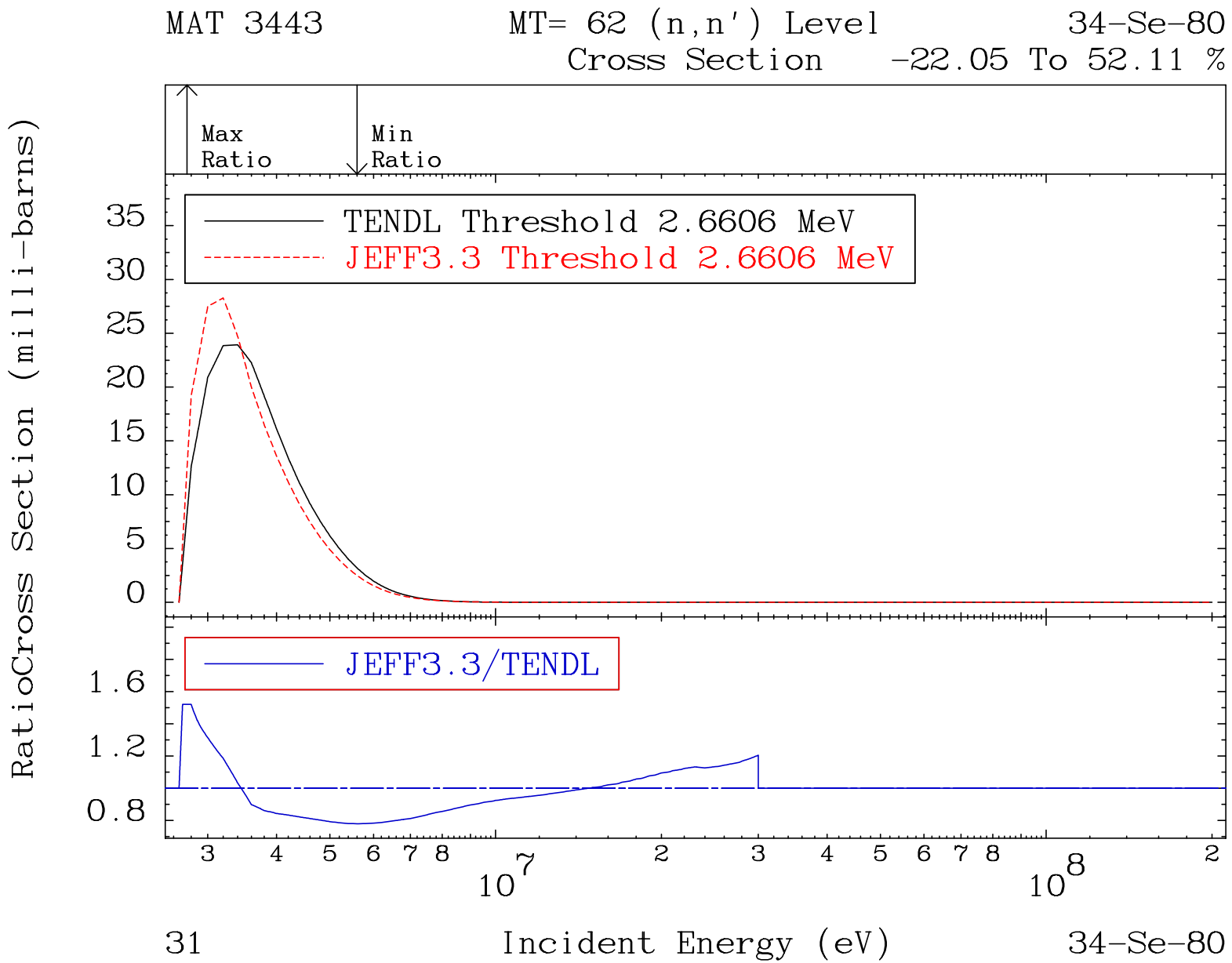

MAT 3443
MT= 57 (n,n') Level
34-Se-80
Cross Section
-22.92 To 52.19 %
Max Ratio
Min Ratio
TENDL Threshold 2.1479 MeV
JEFF3.3 Threshold 2.1479 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.6
1.2
0.8
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
34-Se-80

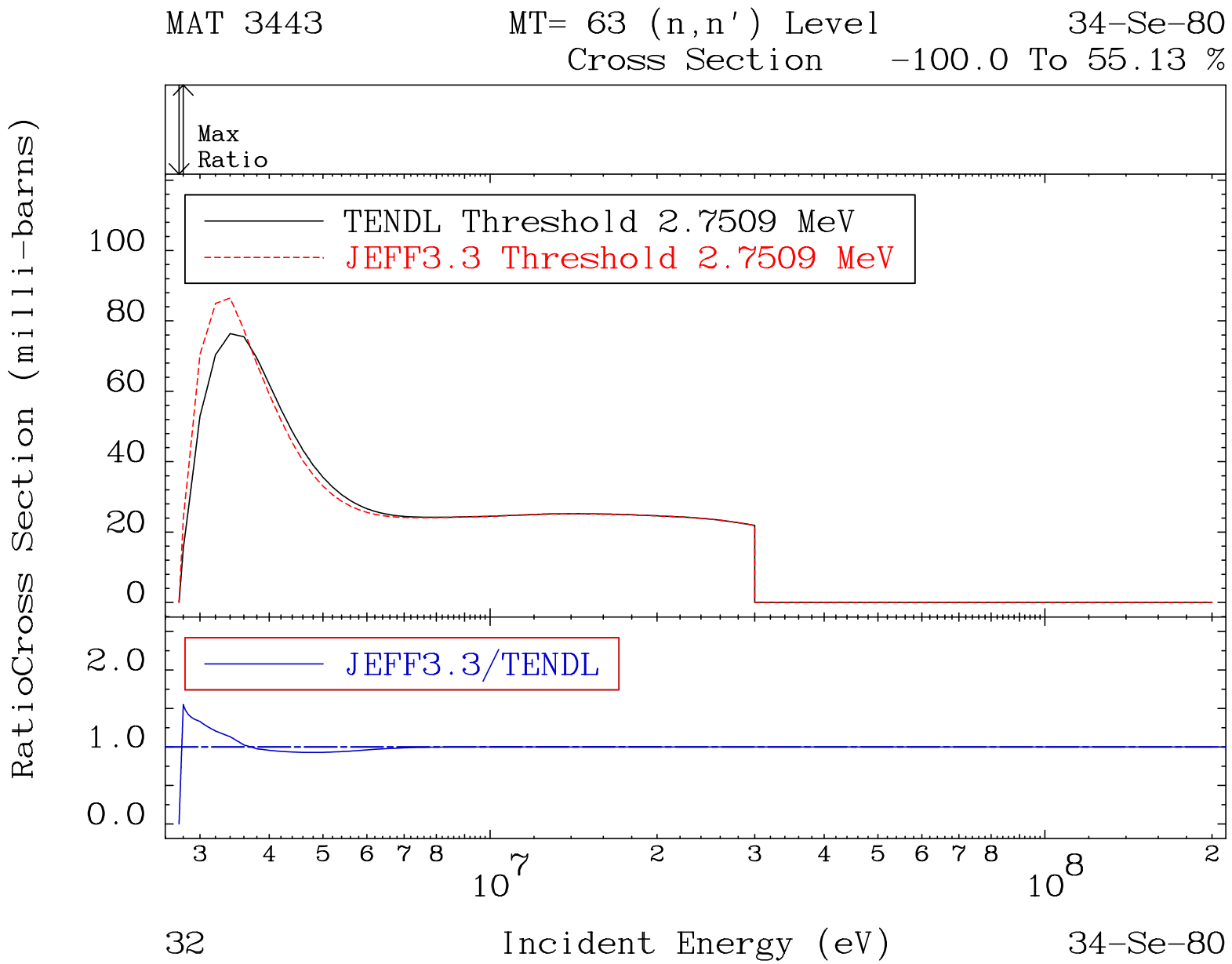

MAT 3443
MT= 58 (n,n') Level
34-Se-80
Cross Section
-20.27 To 51.53 %
Max Ratio
Min Ratio
TENDL Threshold 2.3405 MeV
JEFF3.3 Threshold 2.3405 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.6
1.2
0.8
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
27
34-Se-80

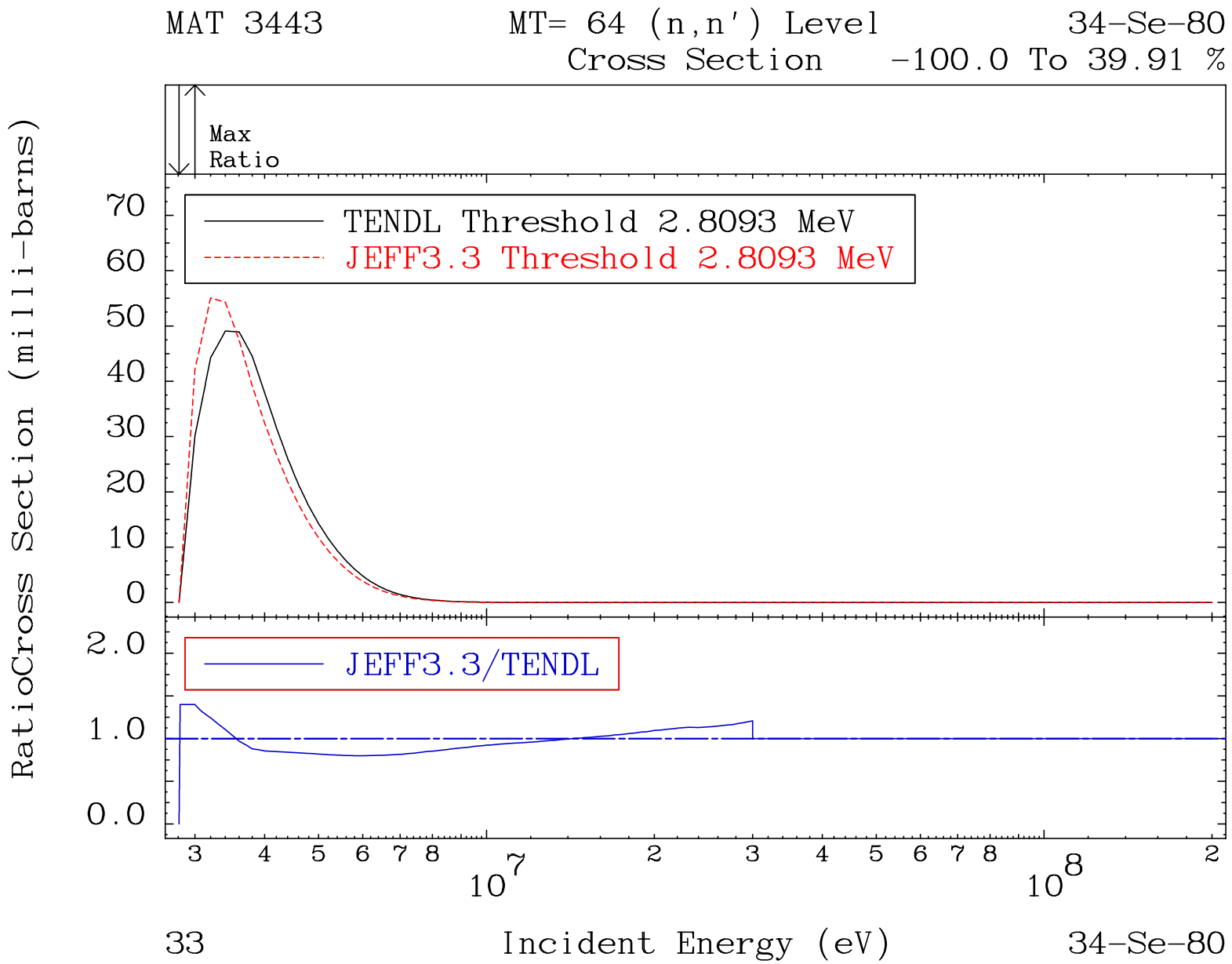

MAT 3443
MT= 59 (n,n') Level
34-Se-80
Cross Section
-100.0 To 51.48 %
Max
Ratio
TENDL Threshold 2.3738 MeV
JEFF3.3 Threshold 2.3738 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
34-Se-80

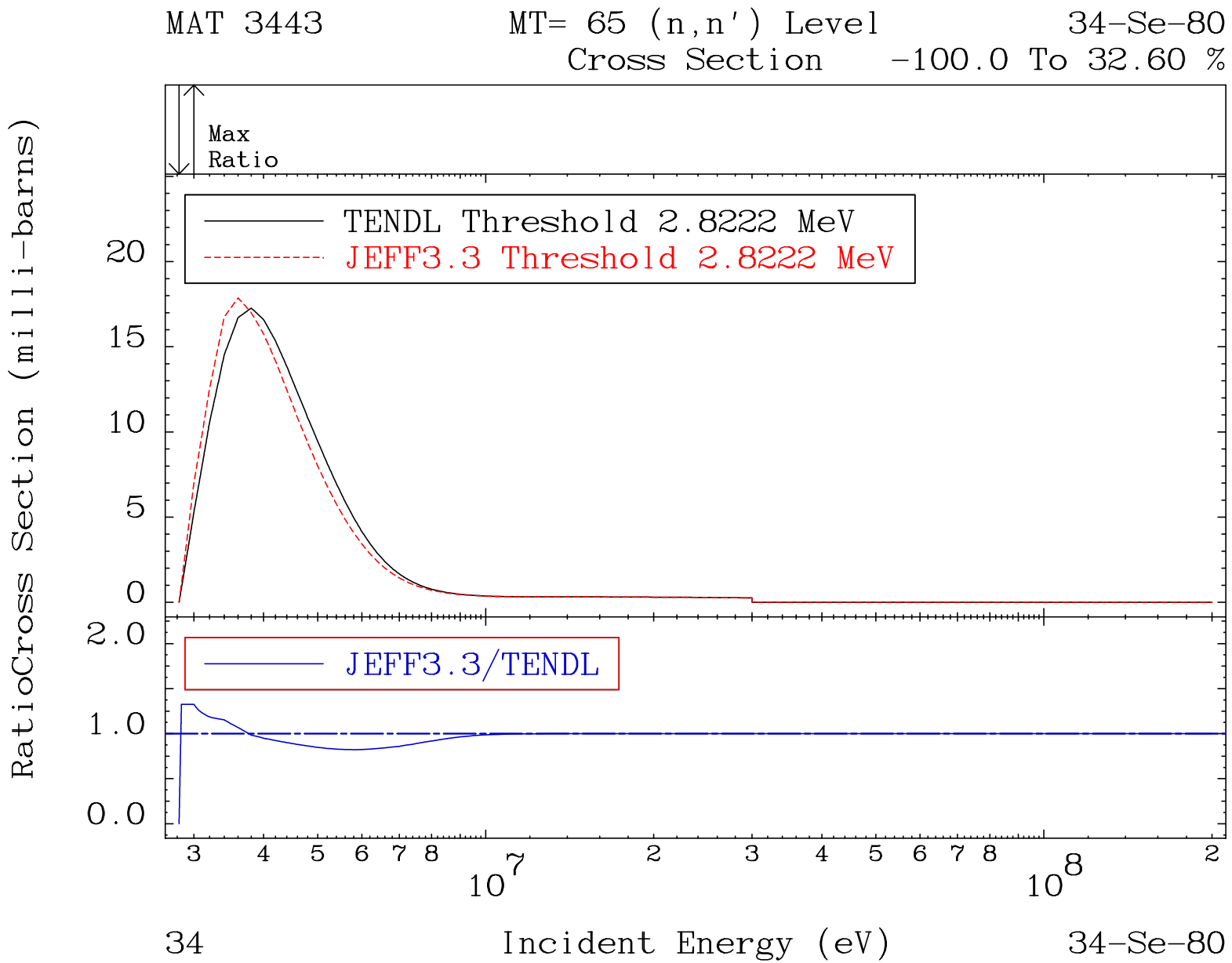

MAT 3443
MT= 60 (n,n') Level
34-Se-80
Cross Section
-100.0 To 60.35 %
Max
Ratio
TENDL Threshold 2.5263 MeV
JEFF3.3 Threshold 2.5263 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
34-Se-80

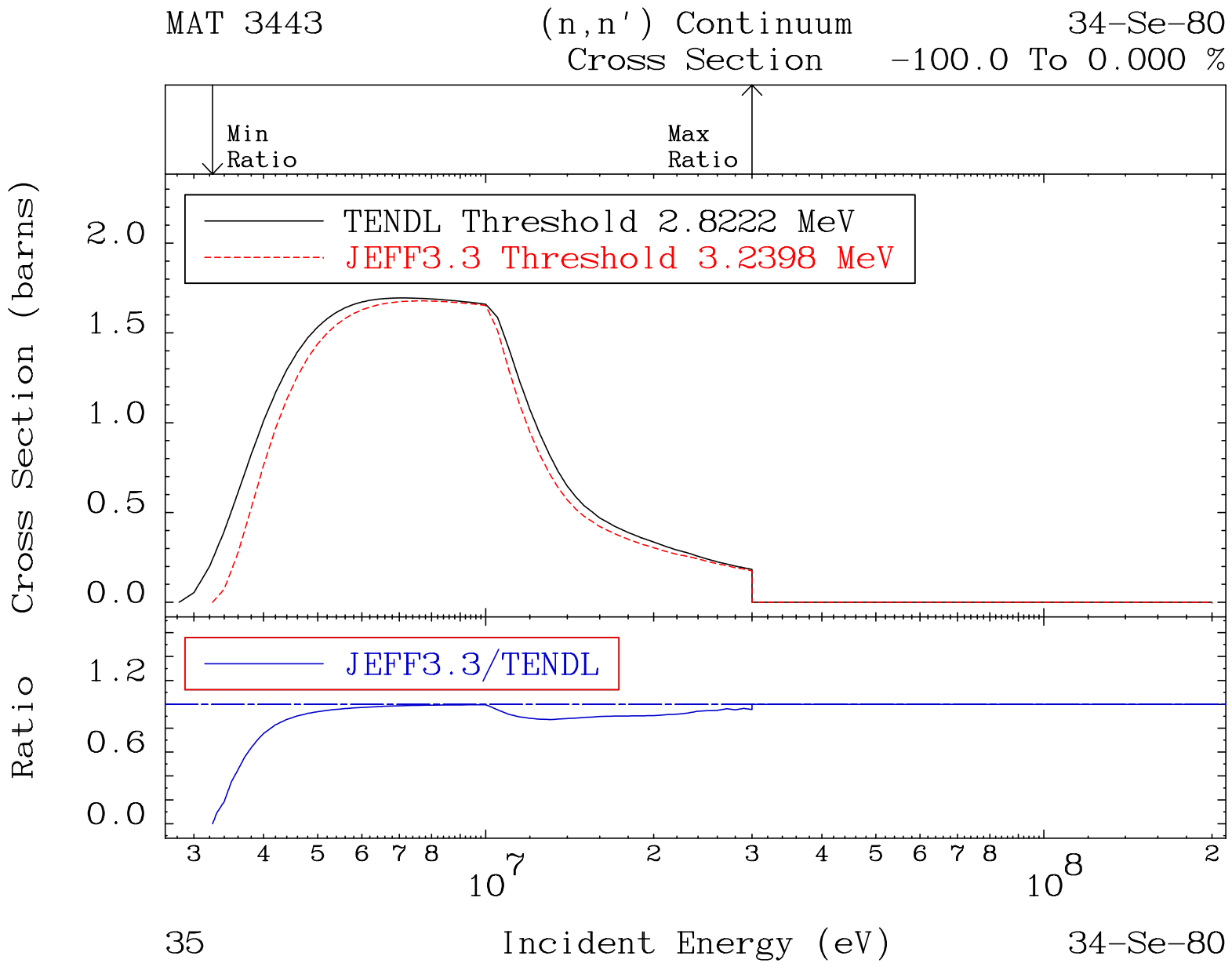

MAT 3443
MT= 61 (n,n') Level
34-Se-80
Cross Section
-100.0 To 50.46 %
Max
Ratio
160
120
80
40
0
TENDL Threshold 2.5453 MeV
JEFF3.3 Threshold 2.5453 MeV
2.0
1.0
0.0
JEFF3.3/TENDL
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
RatioCross Section (milli-barns)
30
Incident Energy (eV)
34-Se-80

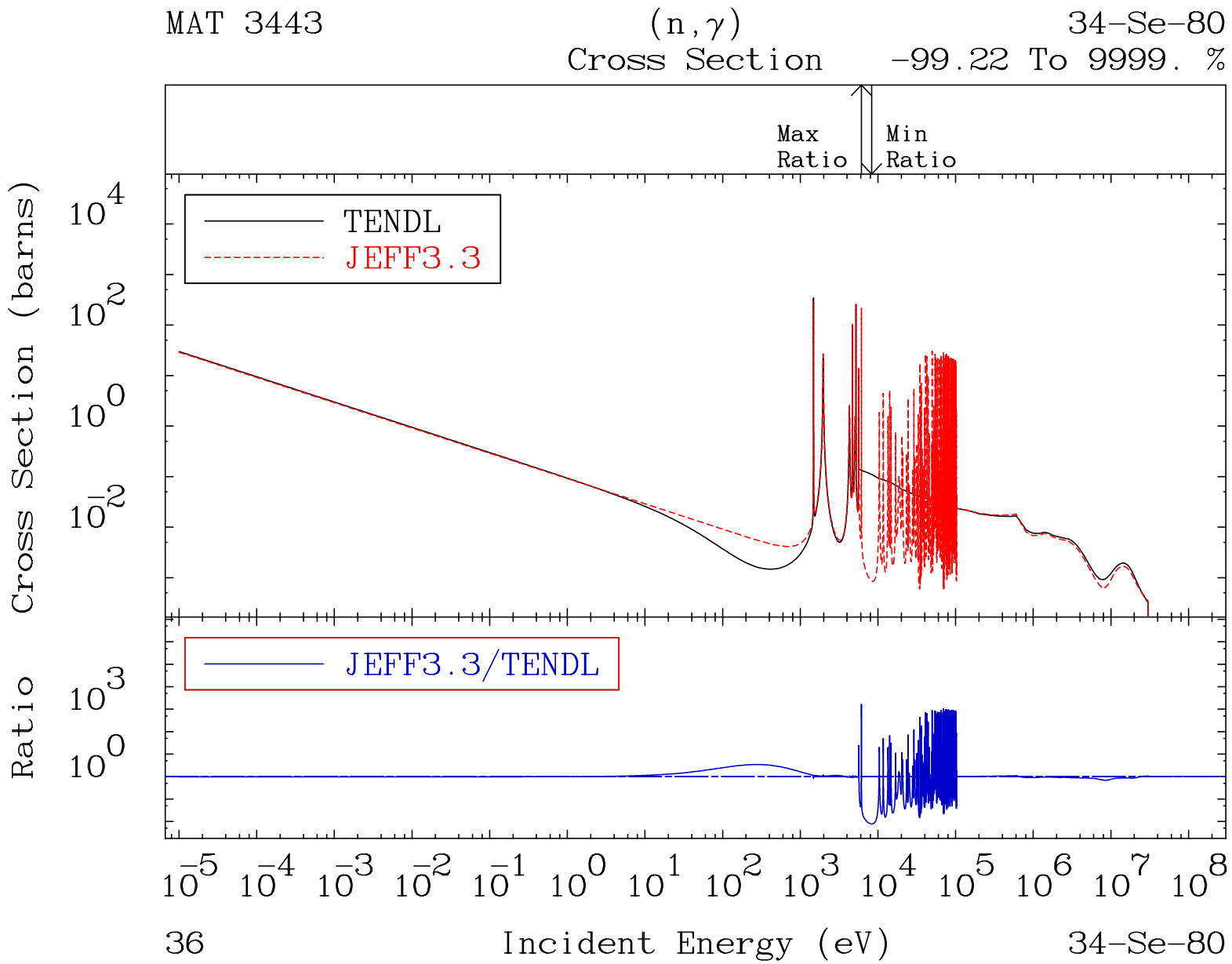

MAT 3443
MT= 62 (n,n') Level
34-Se-80
Cross Section -22.05 To 52.11 %
Max Ratio
Min Ratio
TENDL Threshold 2.6606 MeV
JEFF3.3 Threshold 2.6606 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
1.6
1.2
0.8
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
34-Se-80

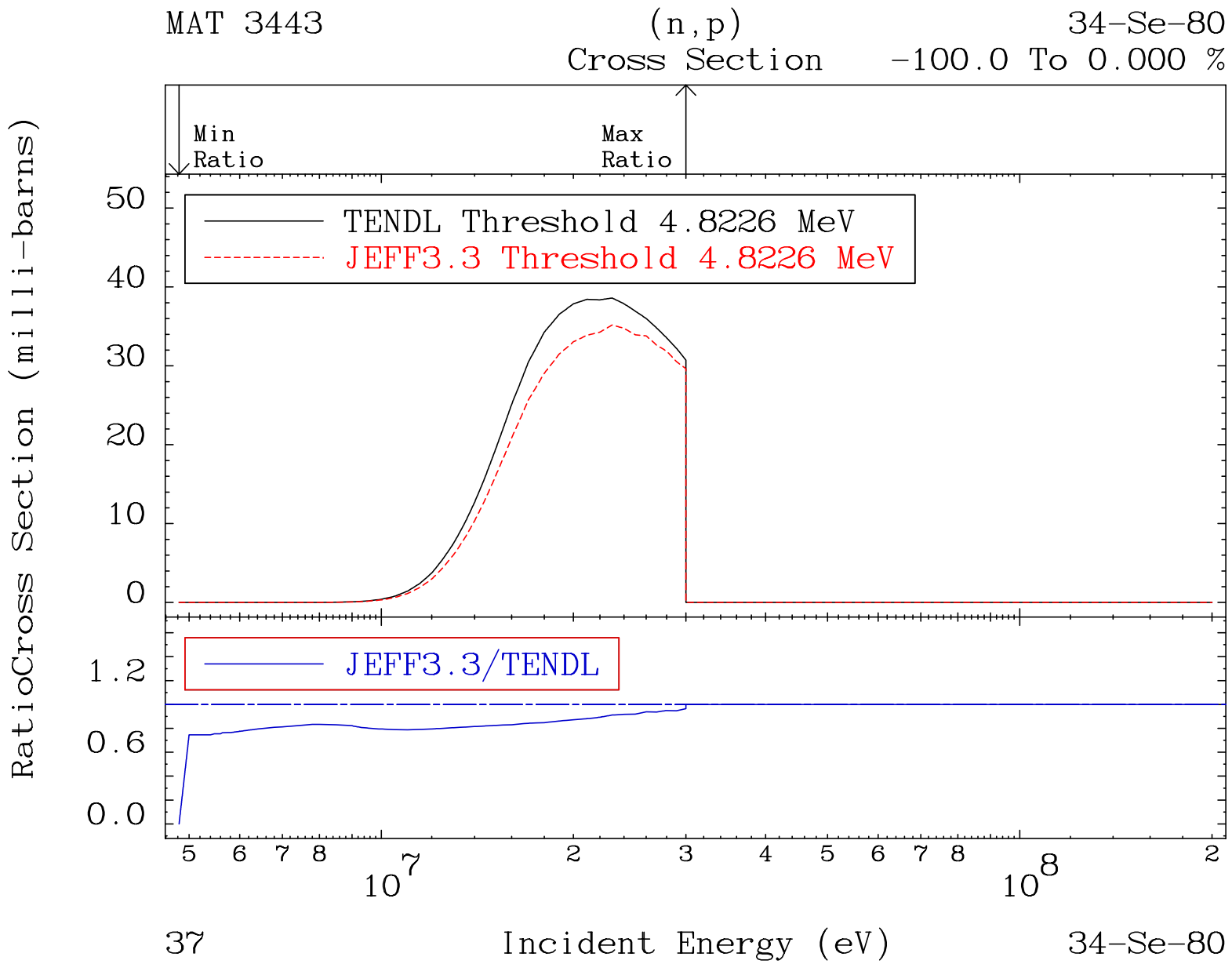

MAT 3443
MT= 63 (n,n') Level
34-Se-80
Cross Section
-100.0 To 55.13 %
Max
Ratio
TENDL Threshold 2.7509 MeV
JEFF3.3 Threshold 2.7509 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
34-Se-80

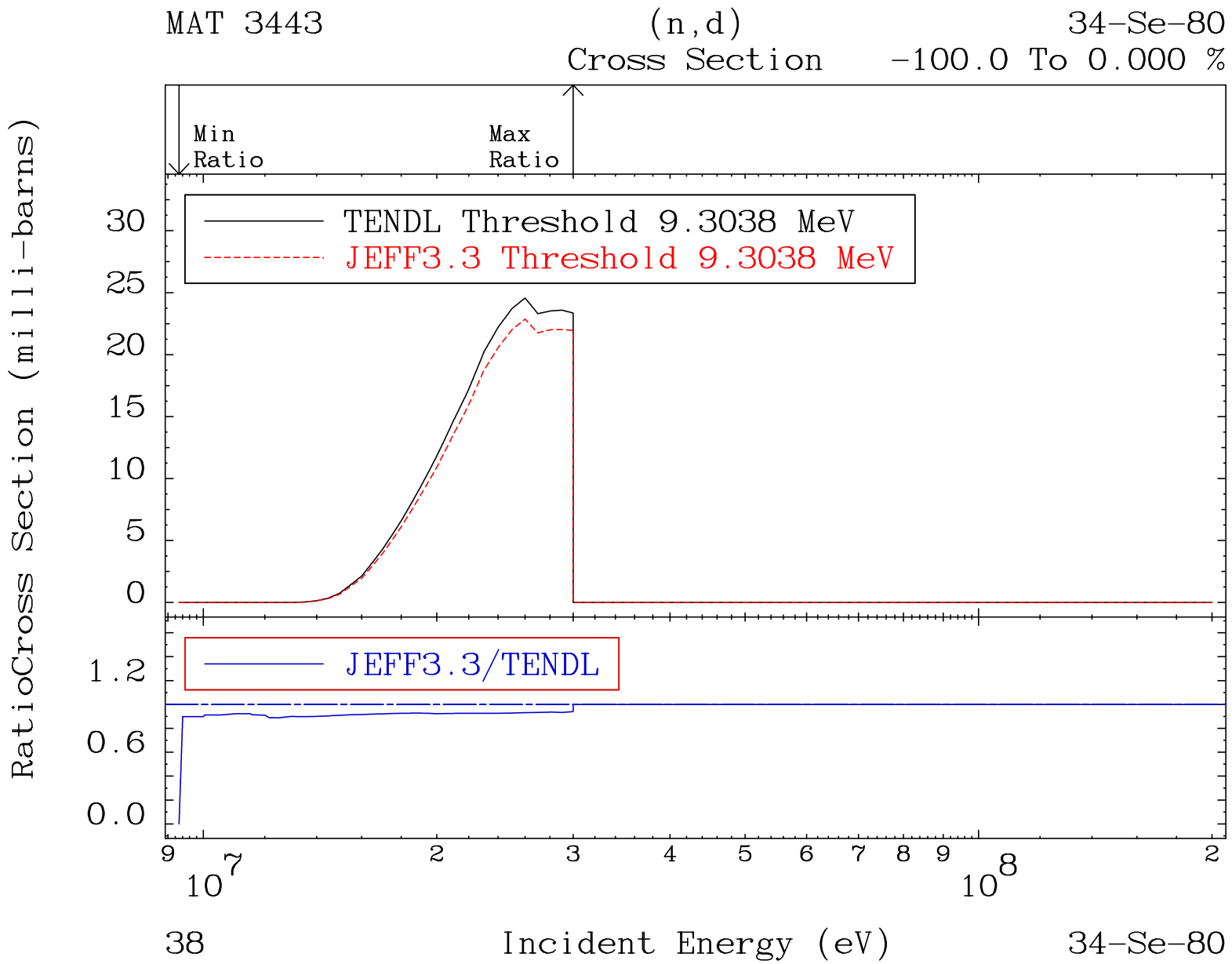

MAT 3443
MT= 64 (n,n') Level
34-Se-80
Cross Section -100.0 To 39.91 %
Max
Ratio
TENDL Threshold 2.8093 MeV
JEFF3.3 Threshold 2.8093 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
33
Incident Energy (eV)
34-Se-80

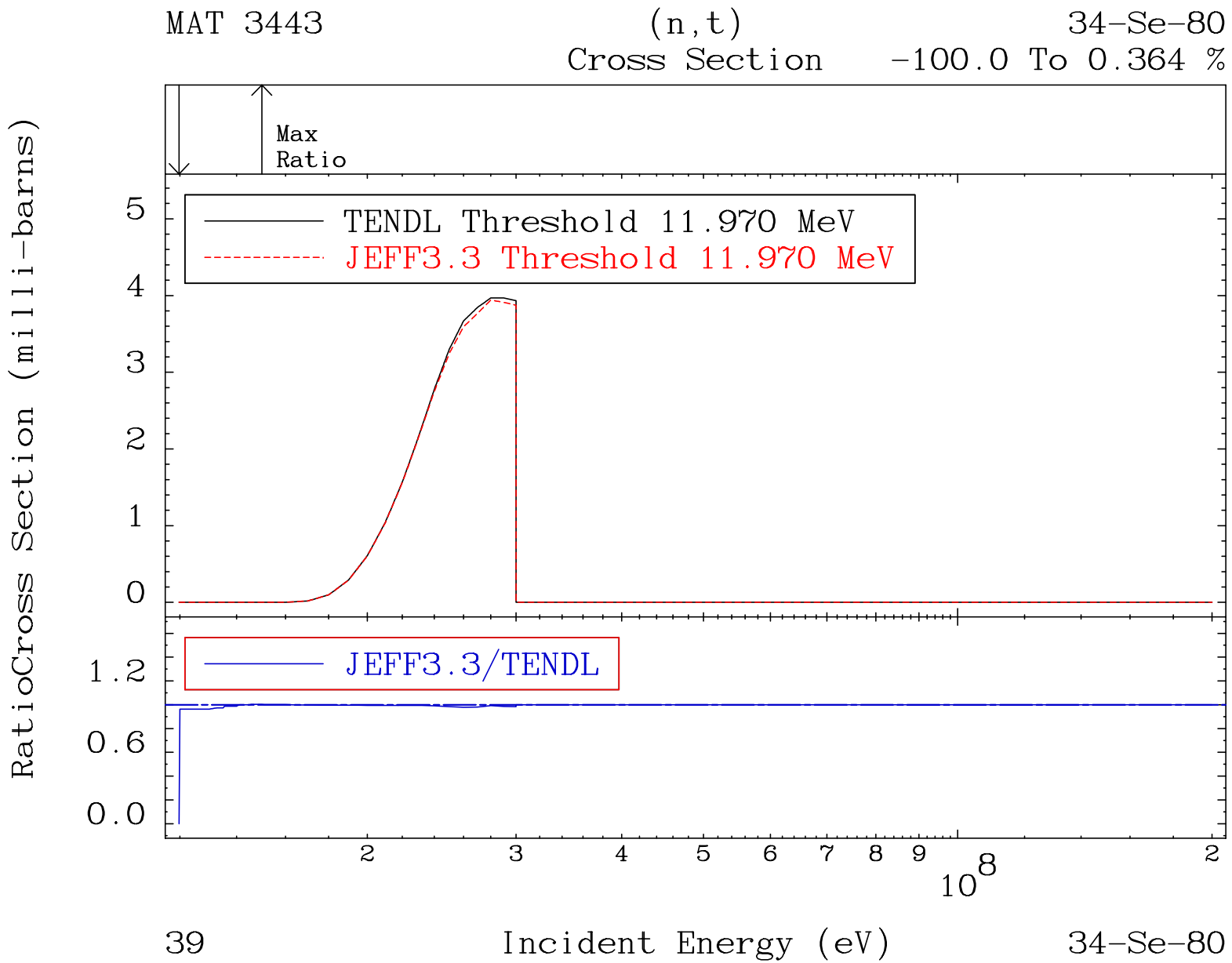

MAT 3443
MT= 65 (n,n') Level
34-Se-80
Cross Section
-100.0 To 32.60 %
Max
Ratio
TENDL Threshold 2.8222 MeV
JEFF3.3 Threshold 2.8222 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
34-Se-80

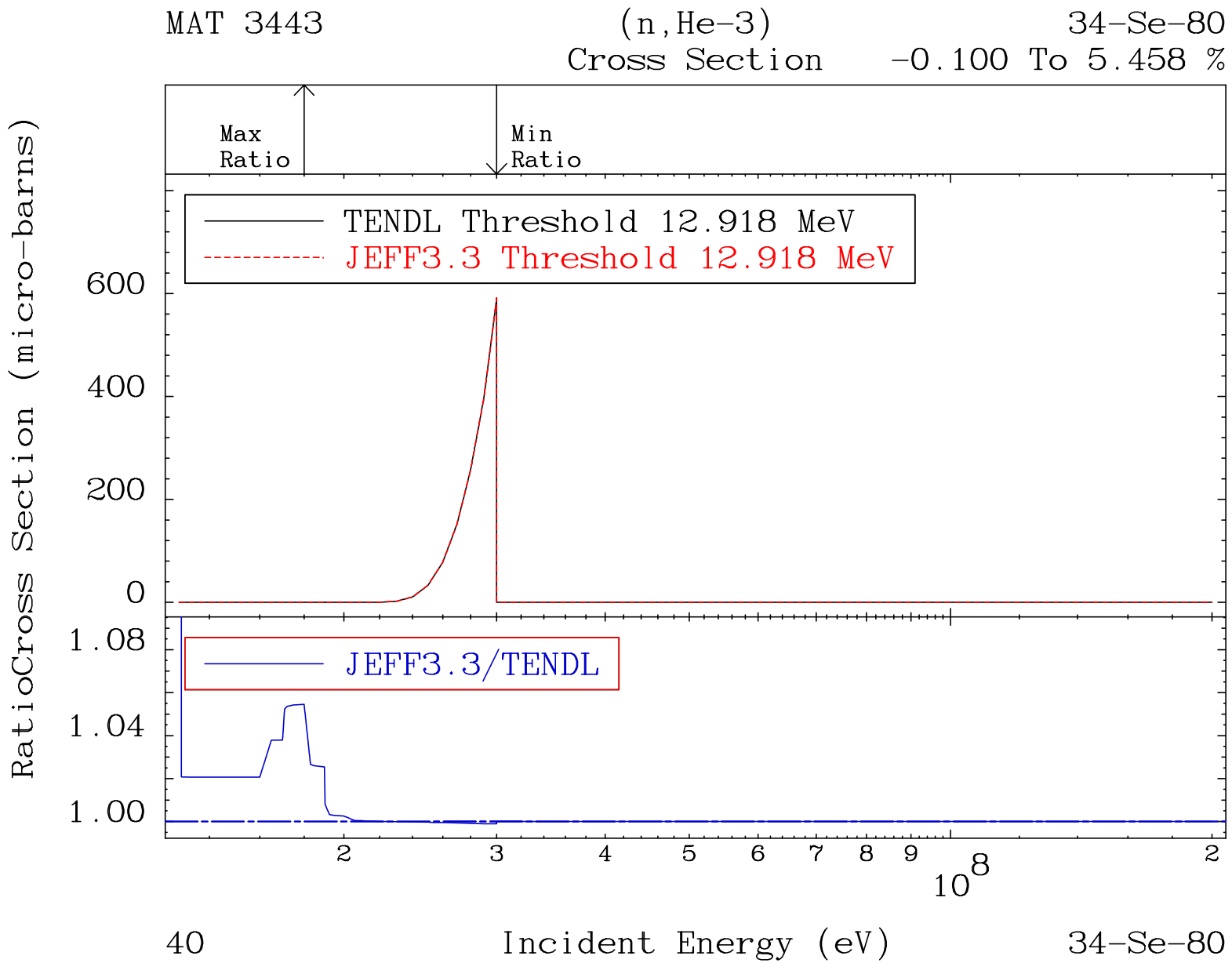

MAT 3443
(n,n') Continuum
Cross Section
34-Se-80
-100.0 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.8222 MeV
JEFF3.3 Threshold 3.2398 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.2
0.6
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
34-Se-80

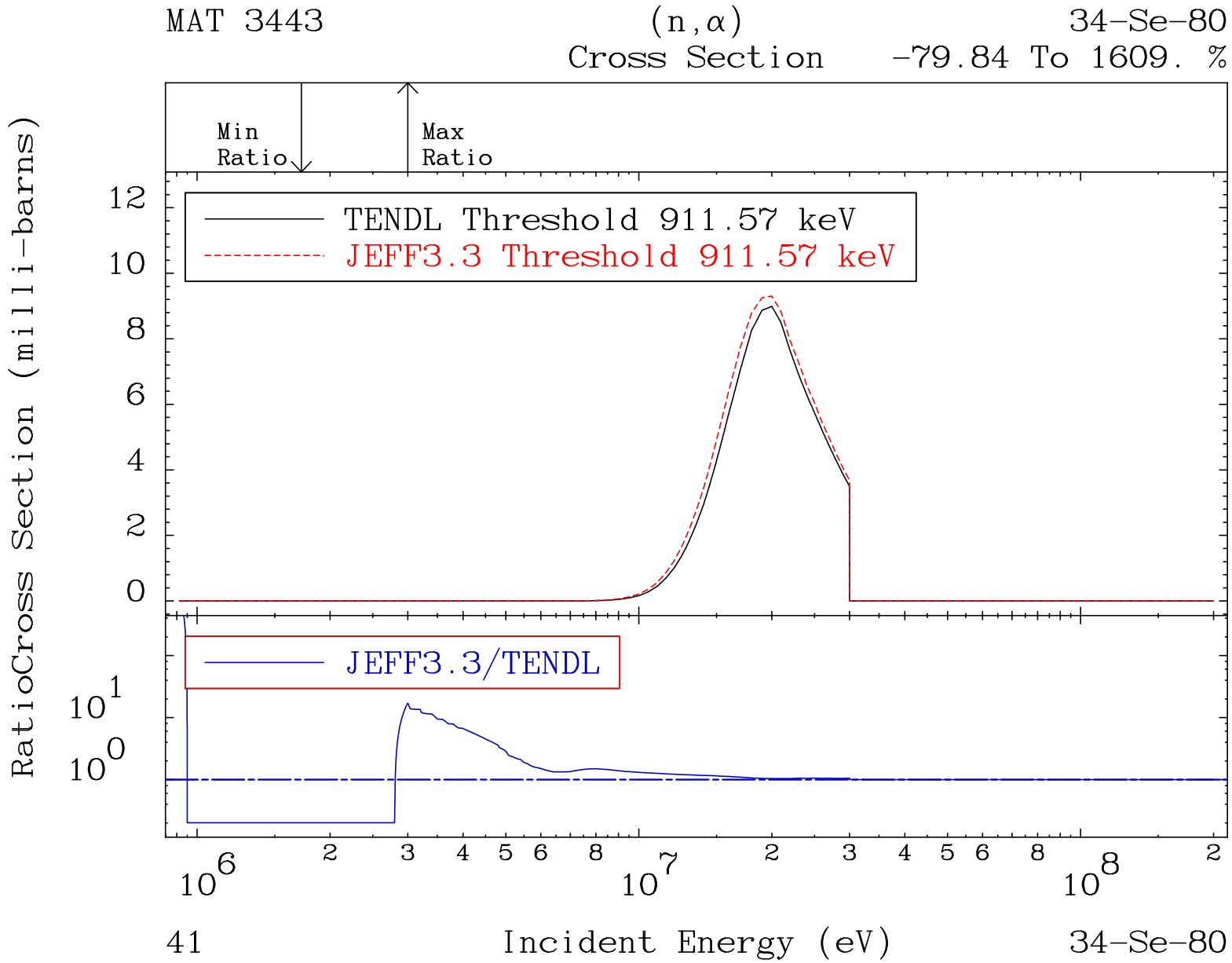

MAT 3443
(n,γ)
34-Se-80
Cross Section
-99.22 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
36
34-Se-80

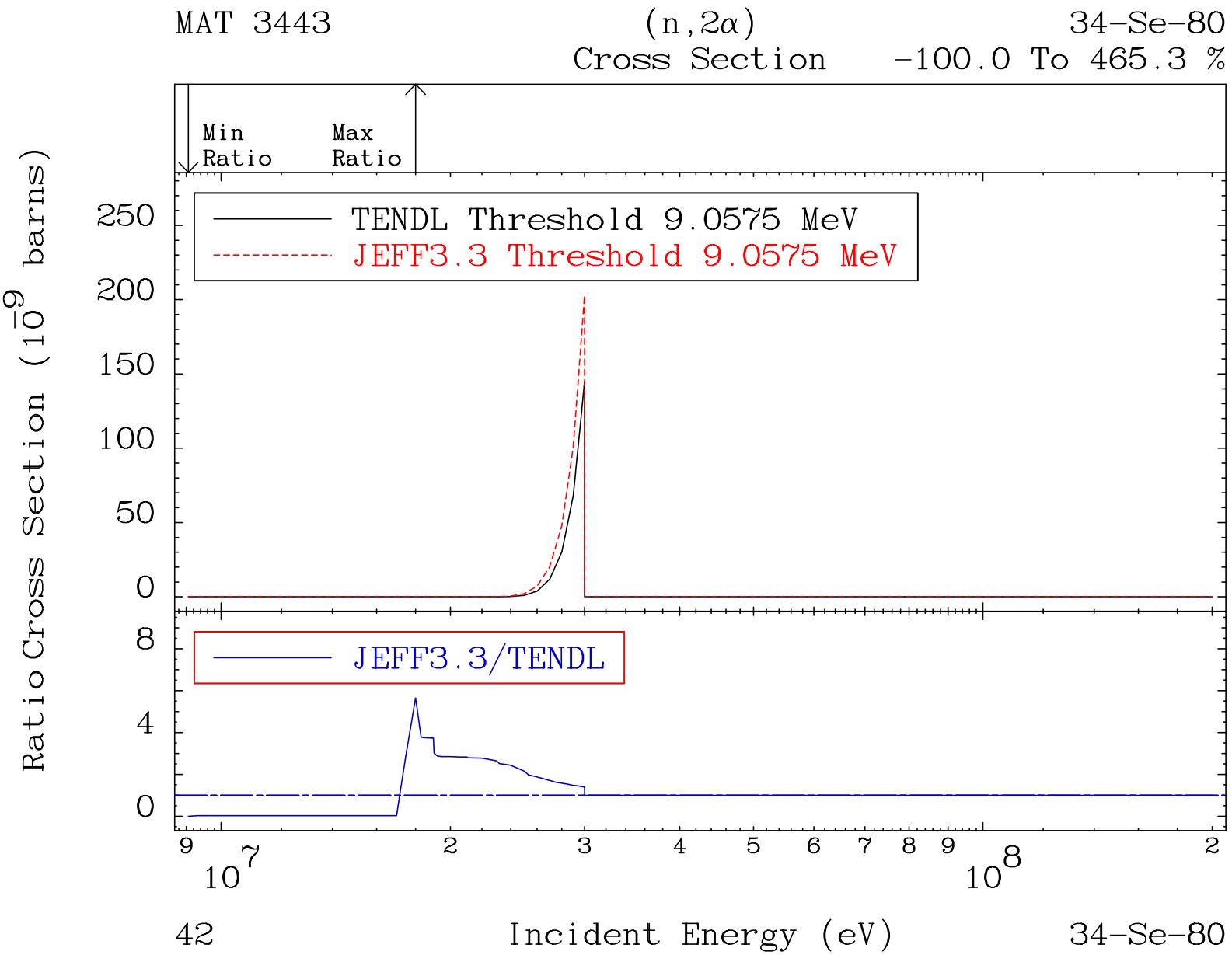

MAT 3443
(n,p)
34-Se-80
Cross Section
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 4.8226 MeV
JEFF3.3 Threshold 4.8226 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.2
0.6
0.0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
37
Incident Energy (eV)
34-Se-80

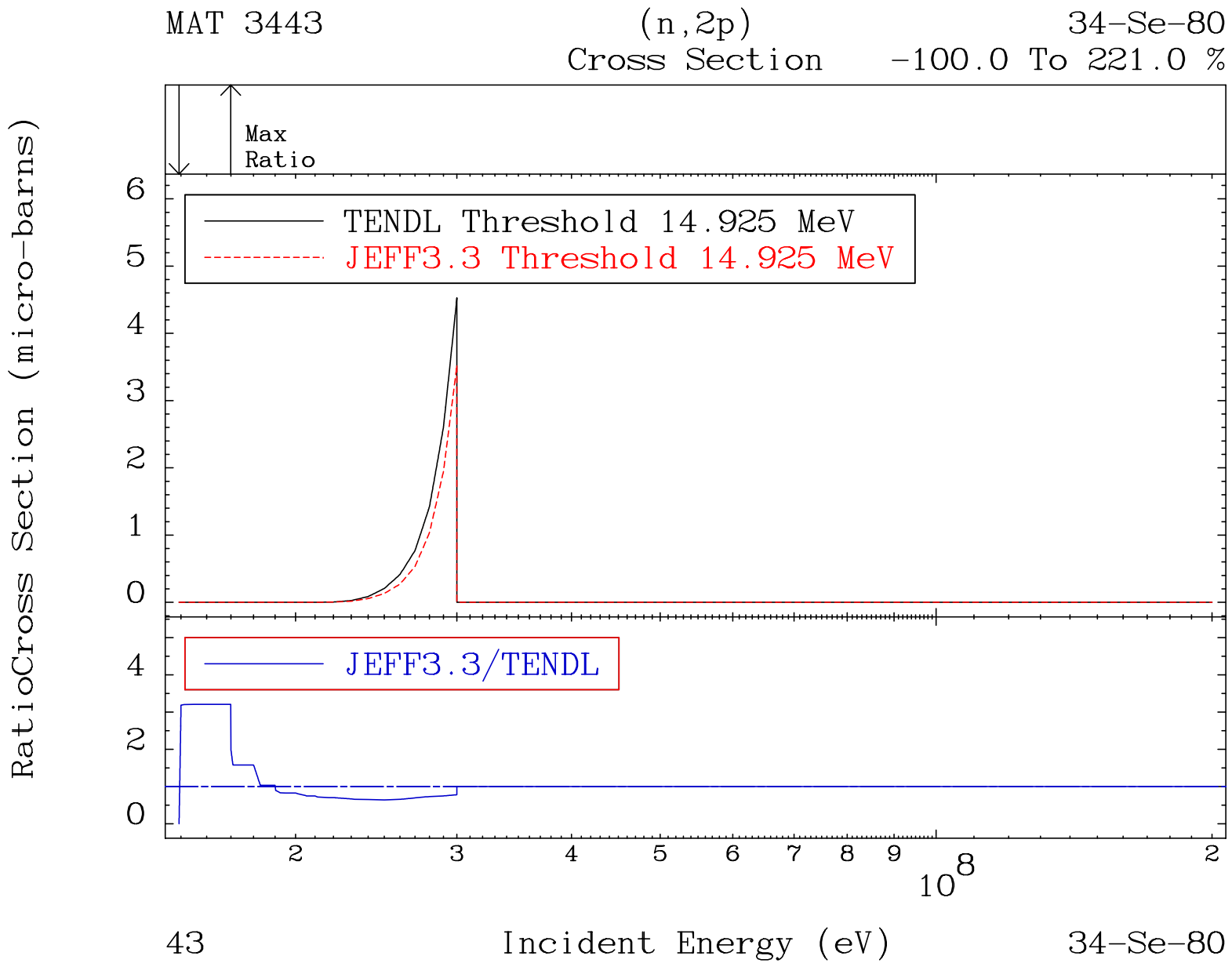

MAT 3443
(n,d)
34-Se-80
Cross Section
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 9.3038 MeV
JEFF3.3 Threshold 9.3038 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
1.2
0.6
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
38
Incident Energy (eV)
34-Se-80

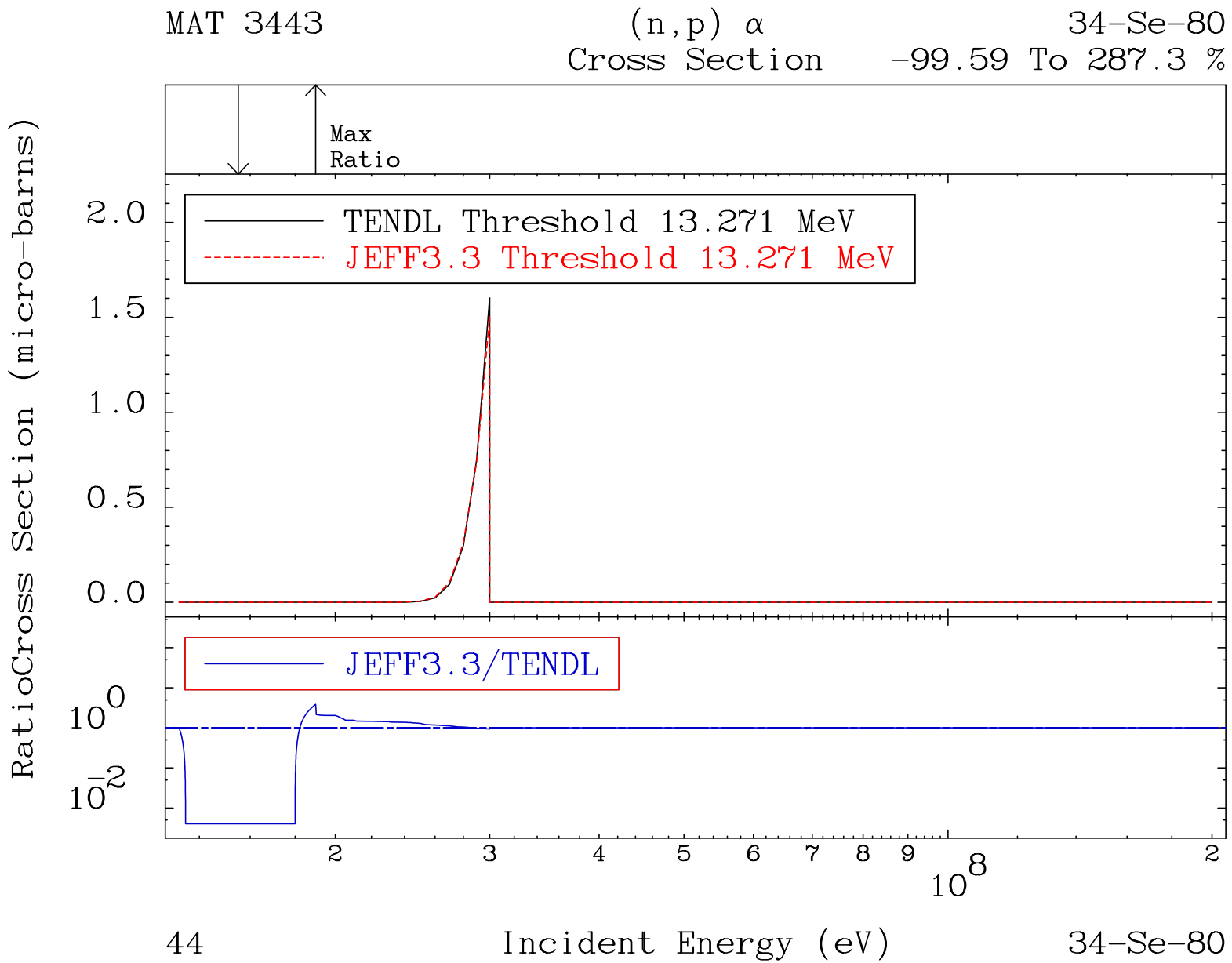

MAT 3443
(n,t)
34-Se-80
Cross Section
-100.0 To 0.364 %
Max
Ratio
TENDL Threshold 11.970 MeV
JEFF3.3 Threshold 11.970 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
5
4
3
2
1
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
39
Incident Energy (eV)
34-Se-80

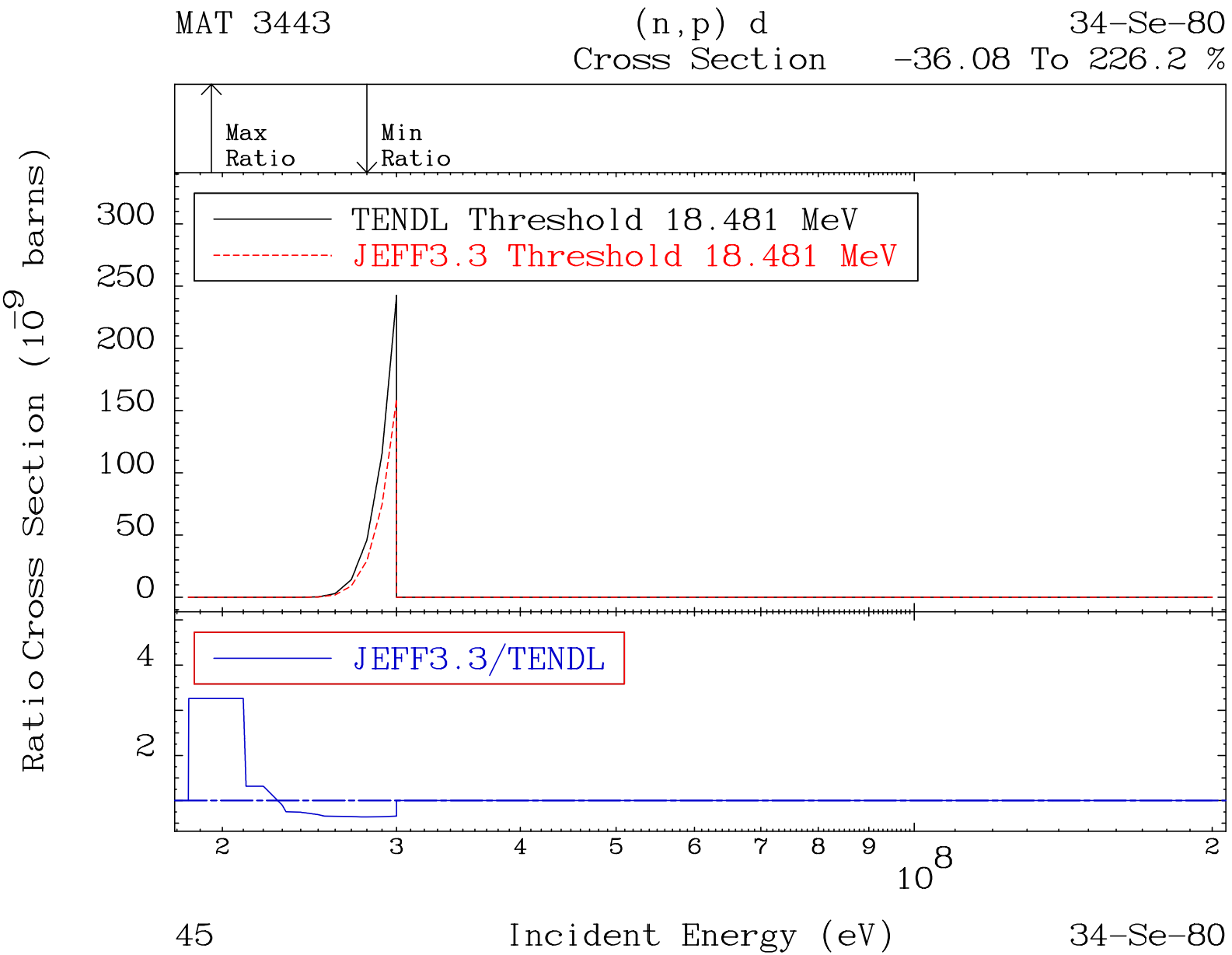

MAT 3443
(n,He-3)
34-Se-80
Cross Section
-0.100 To 5.458 %
Max Ratio
Min Ratio
TENDL Threshold 12.918 MeV
JEFF3.3 Threshold 12.918 MeV
600
400
200
0
1.08
1.04
1.00
JEFF3.3/TENDL
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (micro-barns)
40
Incident Energy (eV)
34-Se-80

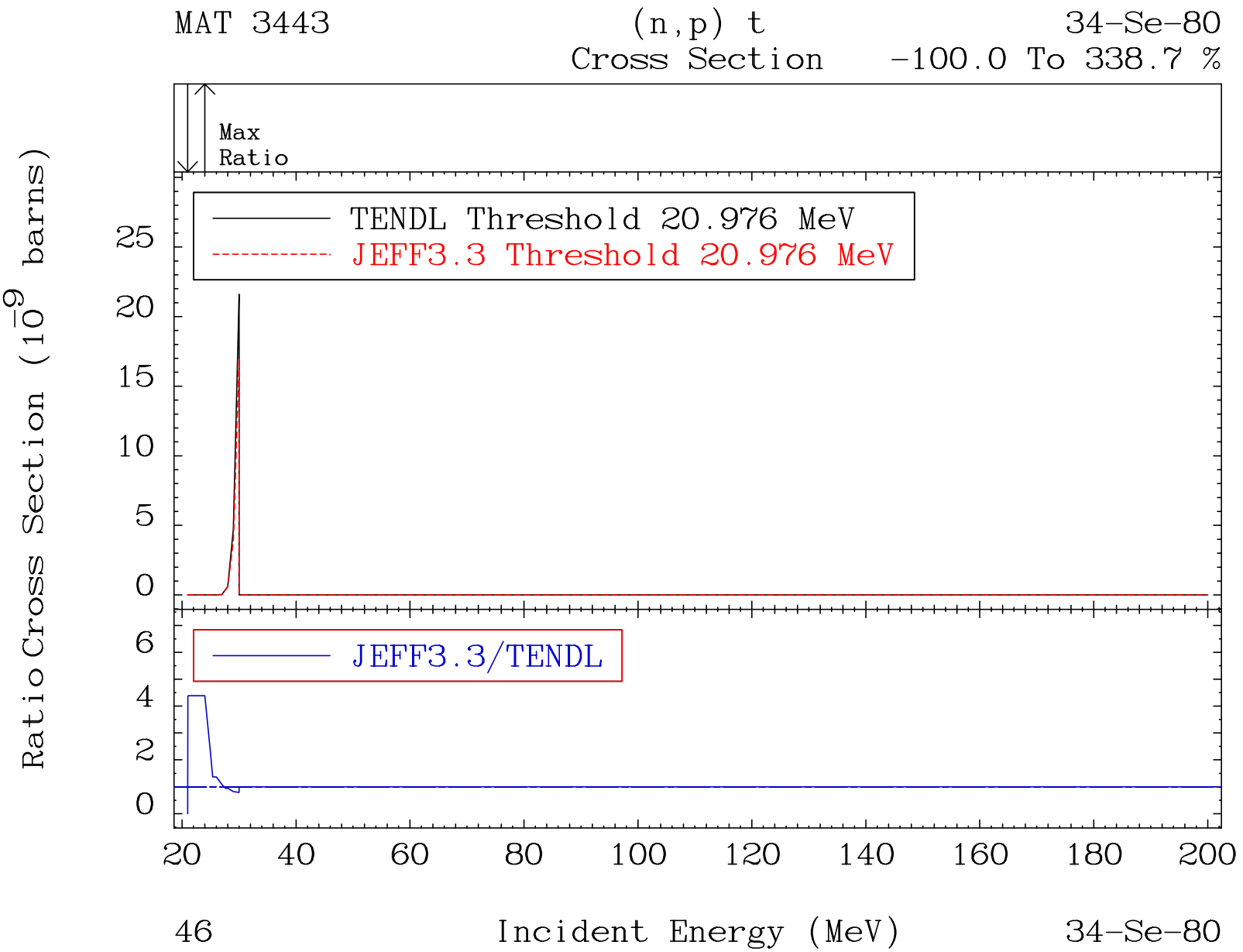

MAT 3443
(n,α)
34-Se-80
Cross Section
-79.84 To 1609. %
Min Ratio
Max Ratio
TENDL Threshold 911.57 keV
JEFF3.3 Threshold 911.57 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
41
34-Se-80

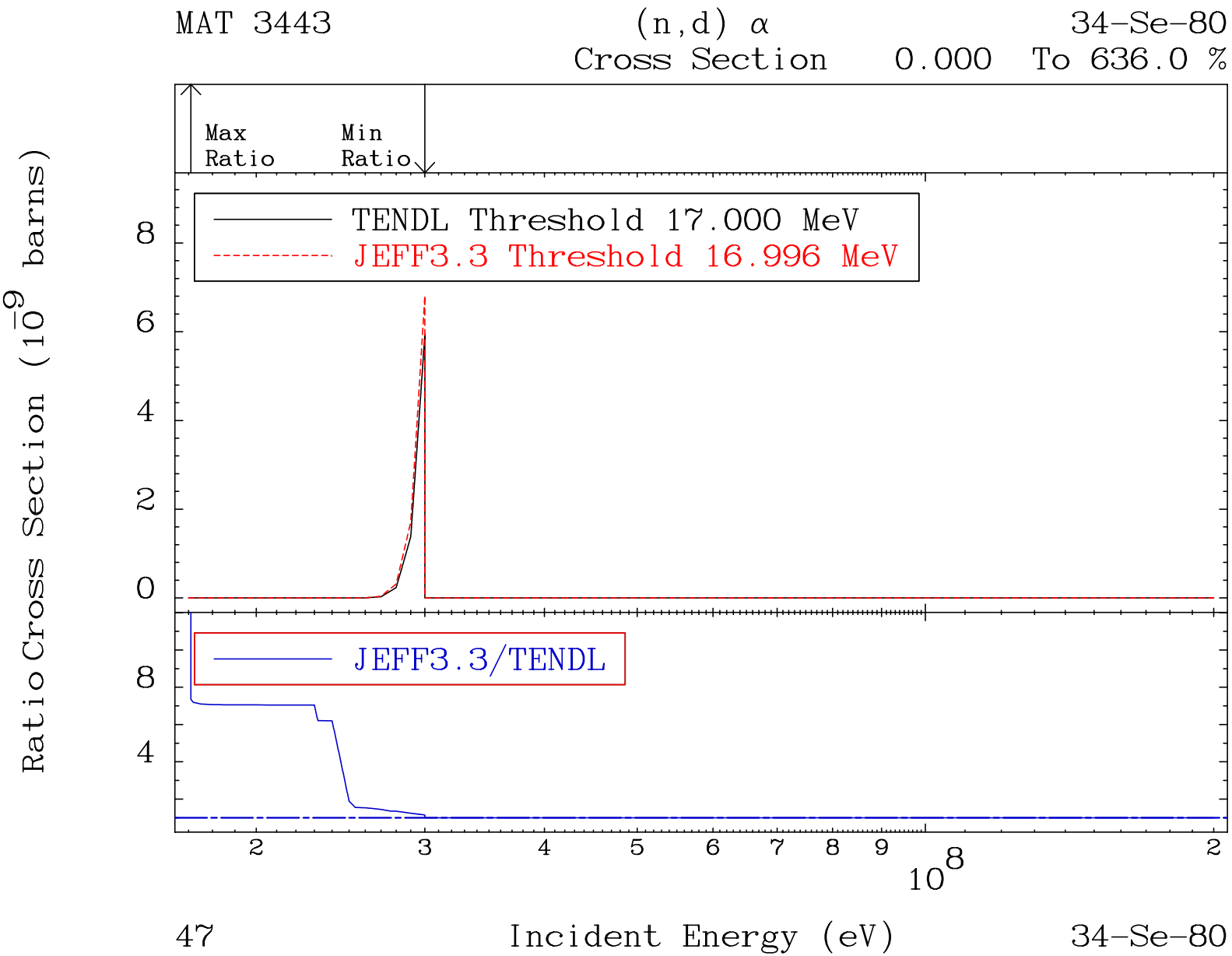

MAT 3443
(n,2α)
34-Se-80
Cross Section
-100.0 To 465.3 %
Min Ratio
Max Ratio
TENDL Threshold 9.0575 MeV
JEFF3.3 Threshold 9.0575 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
250
200
150
100
50
0
8
4
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
42
Incident Energy (eV)
34-Se-80

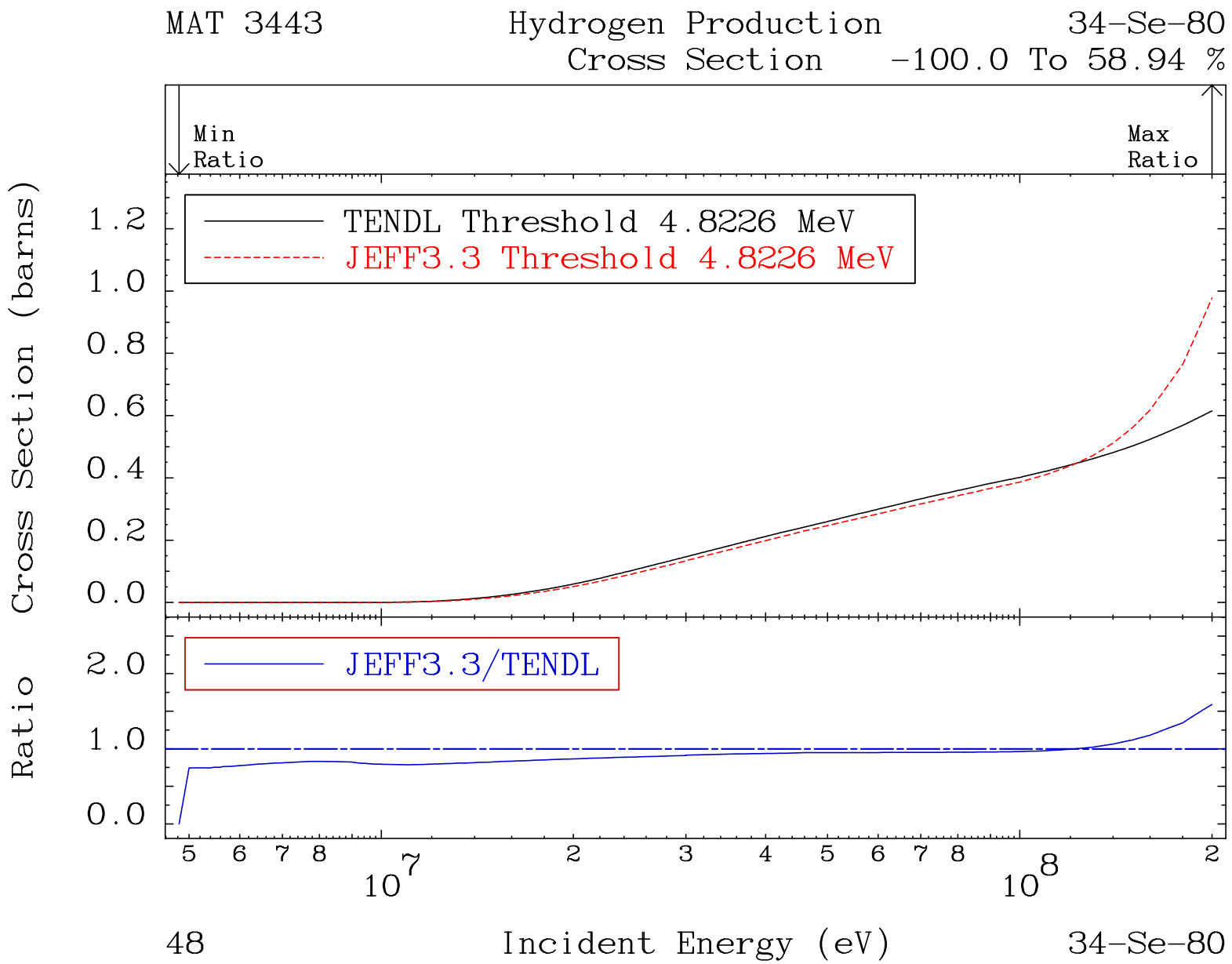

MAT 3443
(n,2p)
34-Se-80
Cross Section
-100.0 To 221.0 %
Max
Ratio
TENDL Threshold 14.925 MeV
JEFF3.3 Threshold 14.925 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
43
34-Se-80

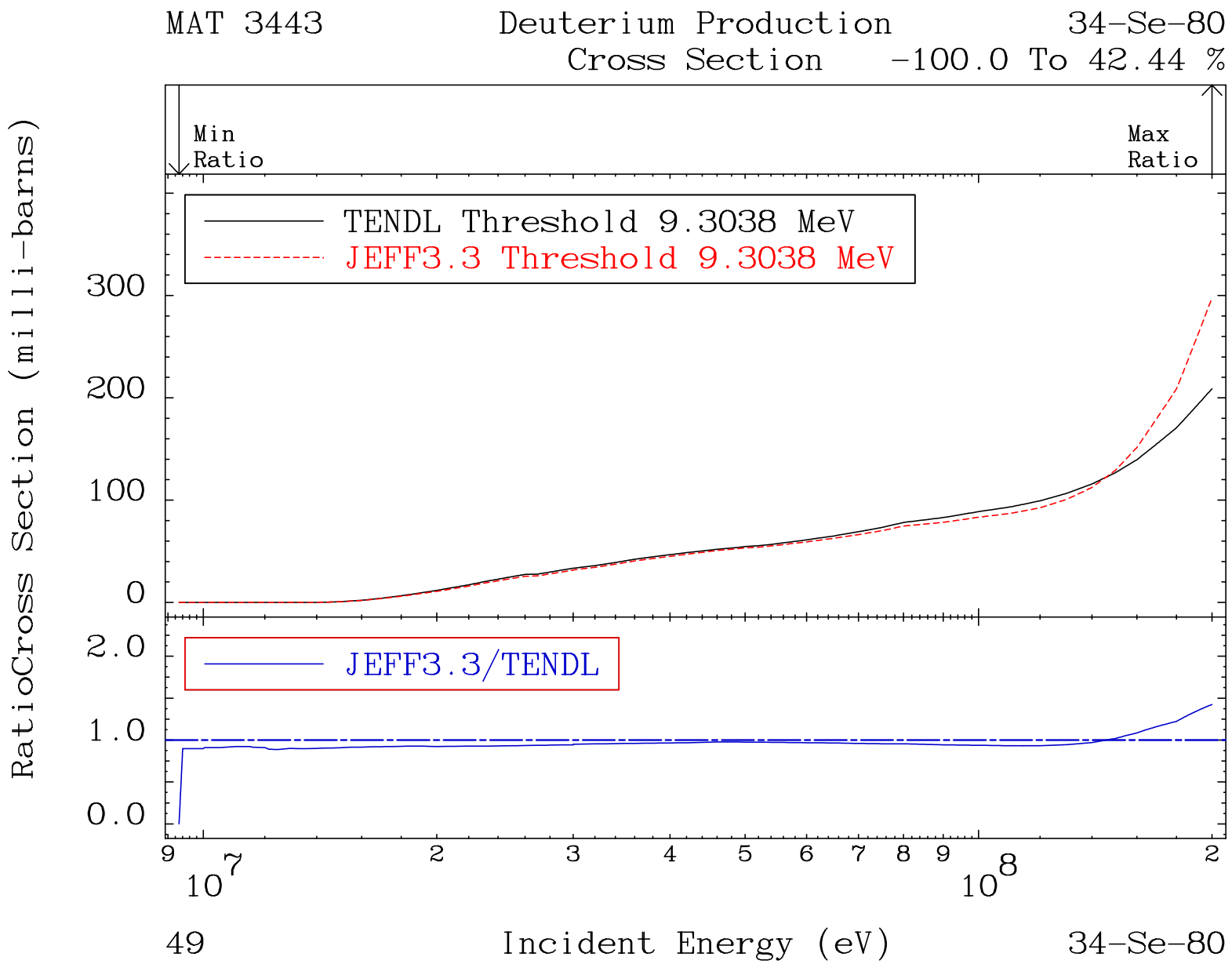

MAT 3443
(n,p) α
34-Se-80
Cross Section
-99.59 To 287.3 %
Max
Ratio
TENDL Threshold 13.271 MeV
JEFF3.3 Threshold 13.271 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
2.0
1.5
1.0
0.5
0.0
10^0
10^-2
2
3
4
5
6
7
8
9
10^8
2
44
Incident Energy (eV)
34-Se-80

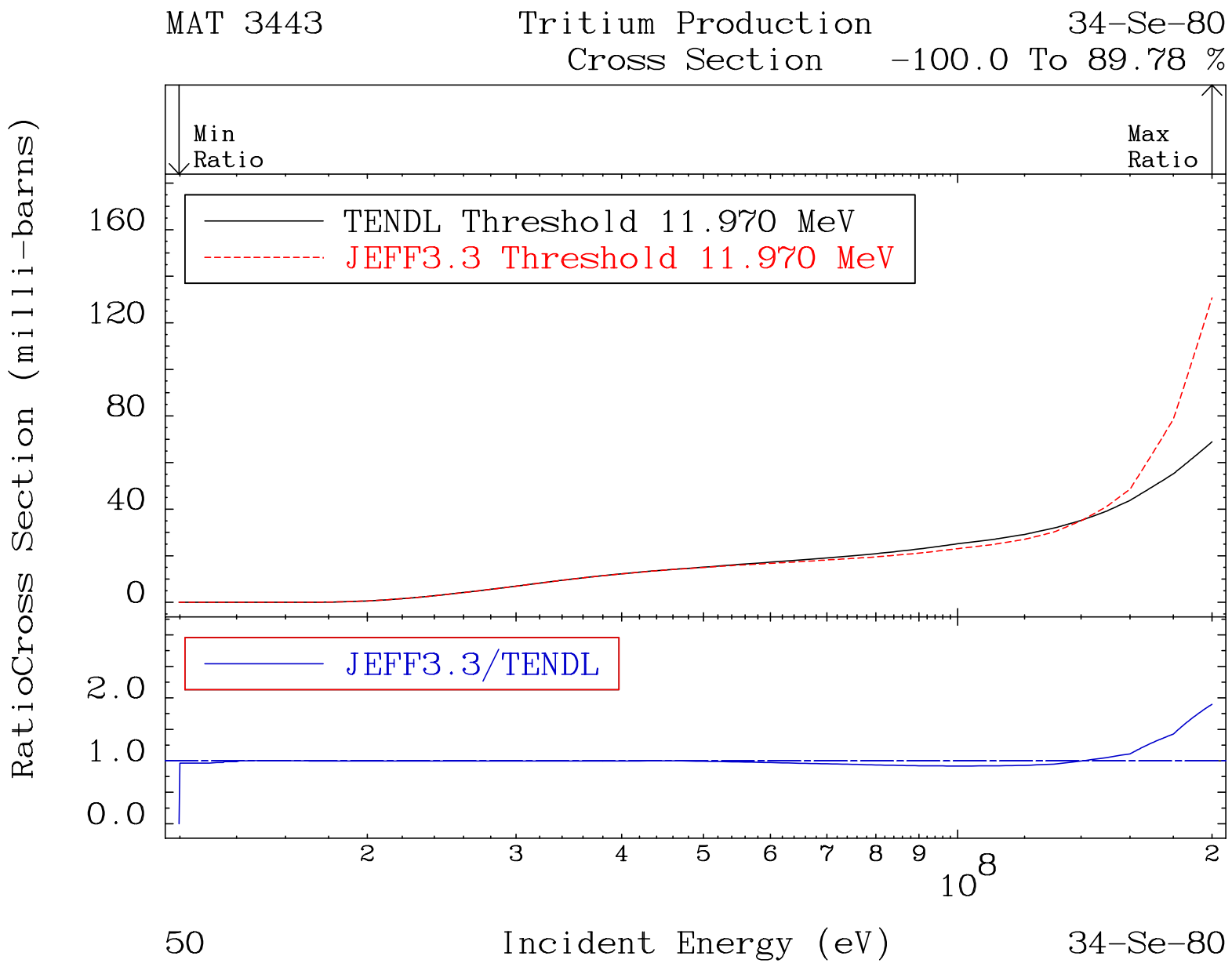

MAT 3443
(n,p) d
Cross Section
34-Se-80
-36.08 To 226.2 %
Max Ratio
Min Ratio
TENDL Threshold 18.481 MeV
JEFF3.3 Threshold 18.481 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
300
250
200
150
100
50
0
4
2
2
3
4
5
6
7
8
9
10^8
2
45
Incident Energy (eV)
34-Se-80

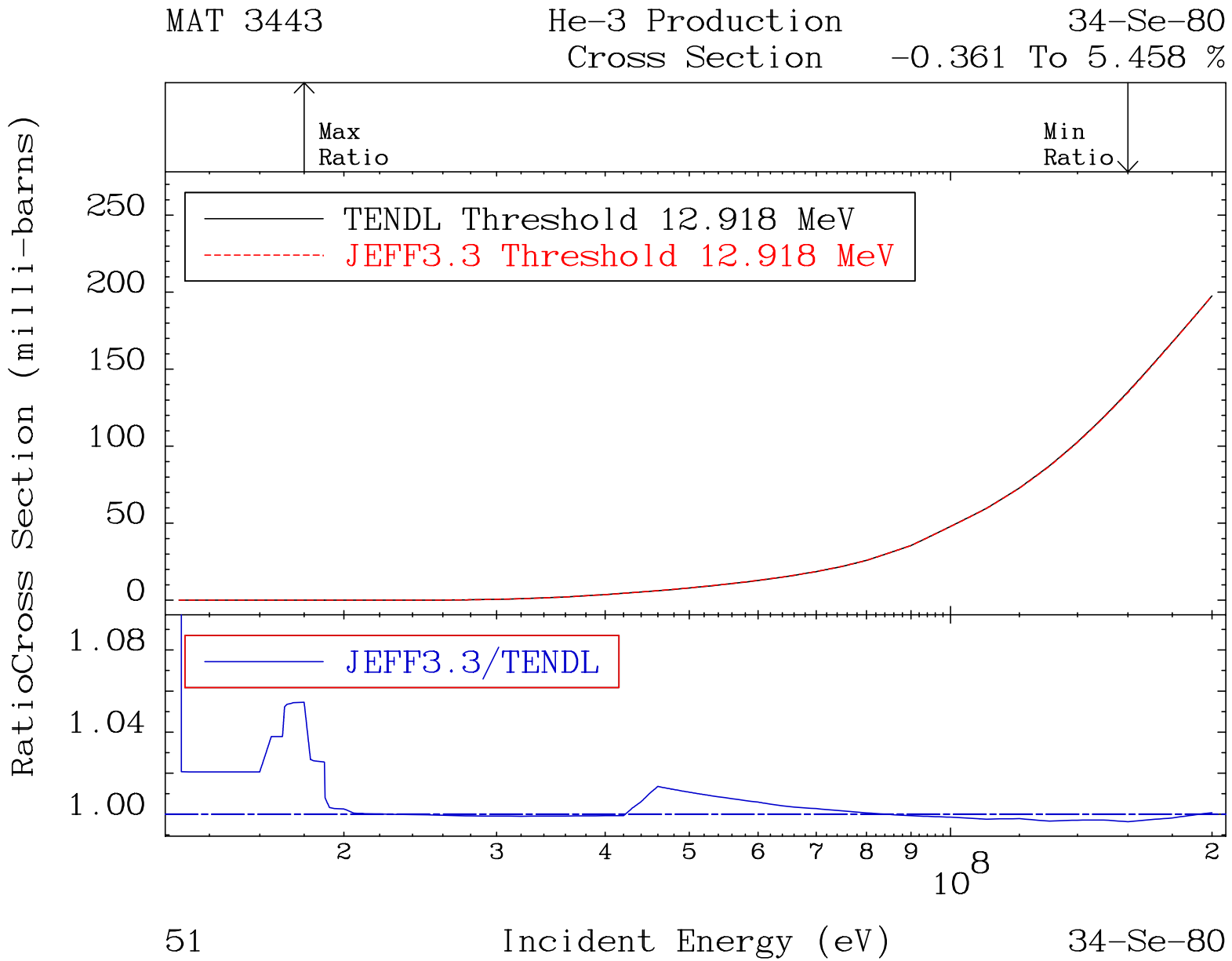

MAT 3443
(n,p) t
Cross Section
34-Se-80
-100.0 To 338.7 %
Max
Ratio
TENDL Threshold 20.976 MeV
JEFF3.3 Threshold 20.976 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
0
5
10
15
20
25
0
2
4
6
20
40
60
80
100
120
140
160
180
200
46
Incident Energy (MeV)
34-Se-80

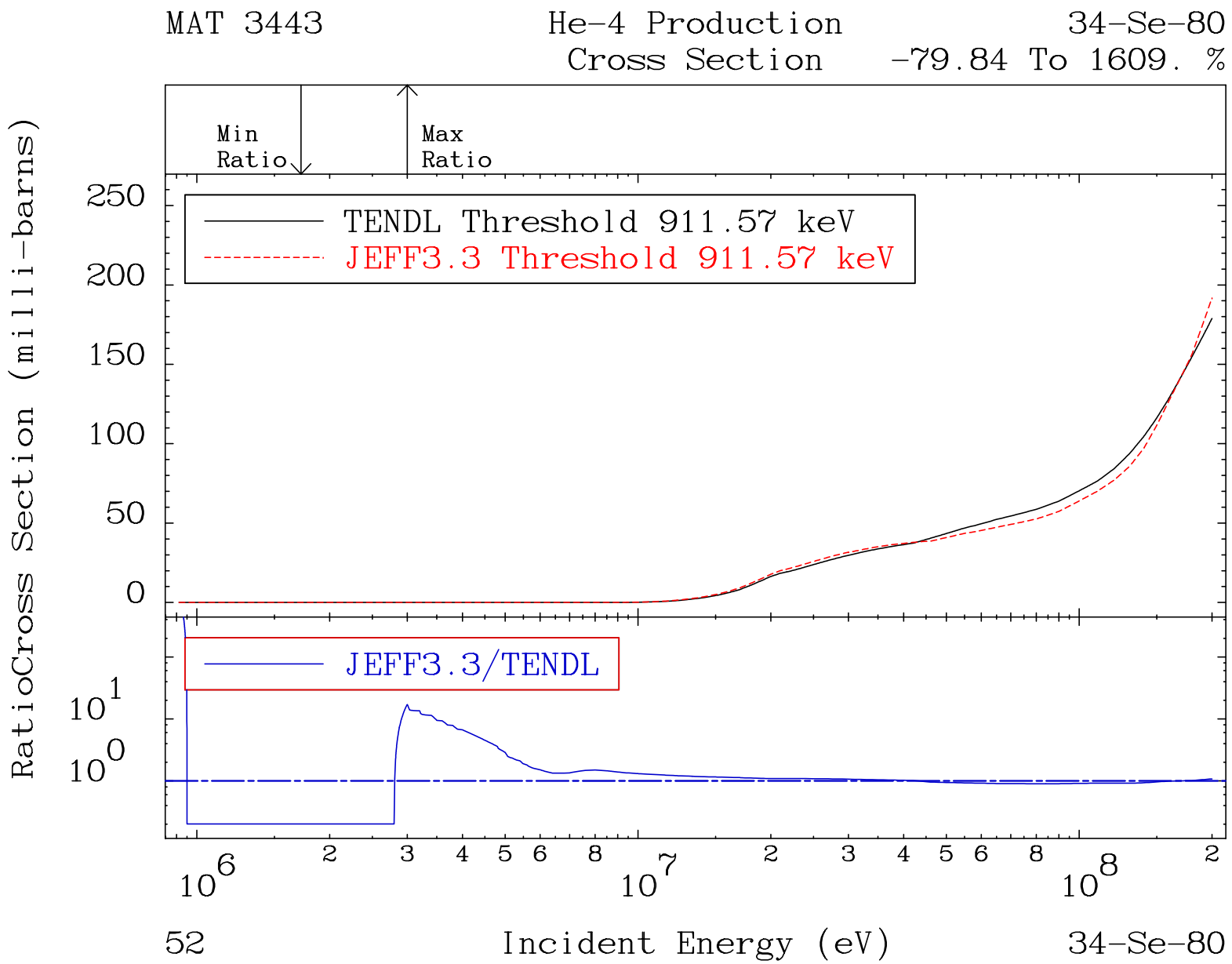

MAT 3443
(n,d) α
34-Se-80
Cross Section 0.000 To 636.0 %
Max Ratio
Min Ratio
TENDL Threshold 17.000 MeV
JEFF3.3 Threshold 16.996 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
0
2
4
6
8
4
8
2 3 4 5 6 7 8 9 10^8 2
47
Incident Energy (eV)
34-Se-80

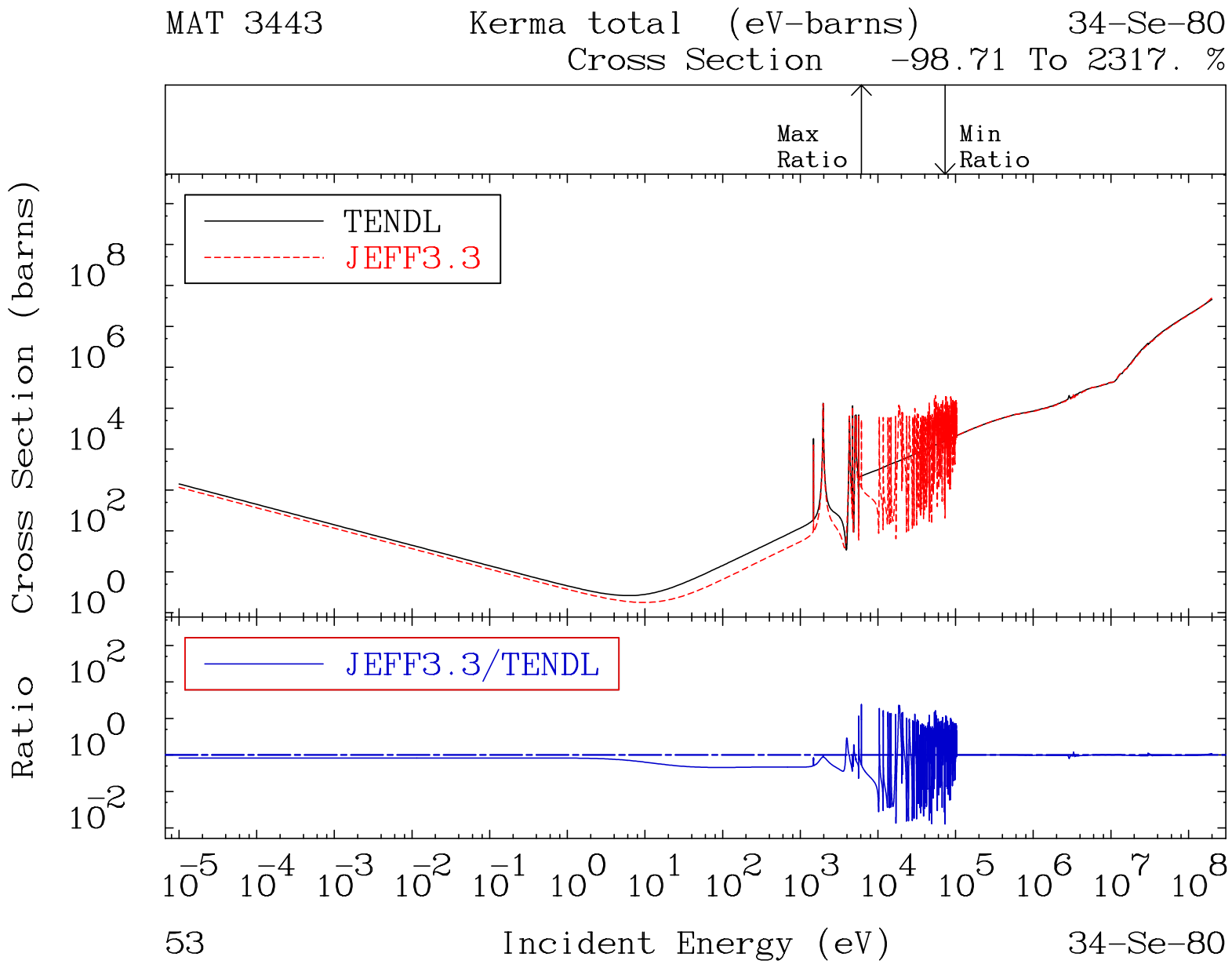

MAT 3443
Hydrogen Production
34-Se-80
Cross Section
-100.0 To 58.94 %
Min Ratio
Max Ratio
TENDL Threshold 4.8226 MeV
JEFF3.3 Threshold 4.8226 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
48
Incident Energy (eV)
34-Se-80

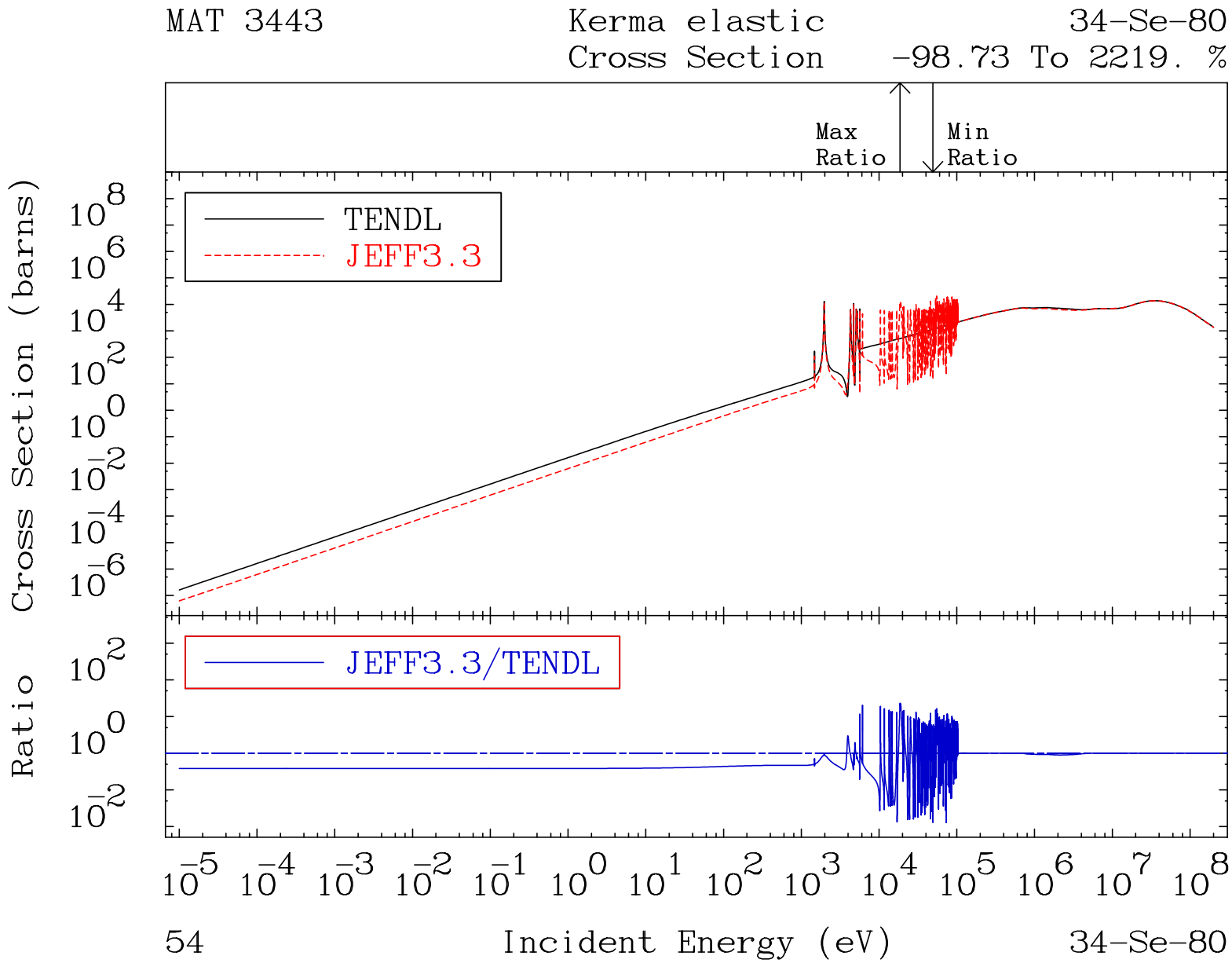

MAT 3443
Deuterium Production
34-Se-80
Cross Section
-100.0 To 42.44 %
Min
Ratio
Max
Ratio
TENDL Threshold 9.3038 MeV
JEFF3.3 Threshold 9.3038 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
200
100
0
2.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
49
Incident Energy (eV)
34-Se-80

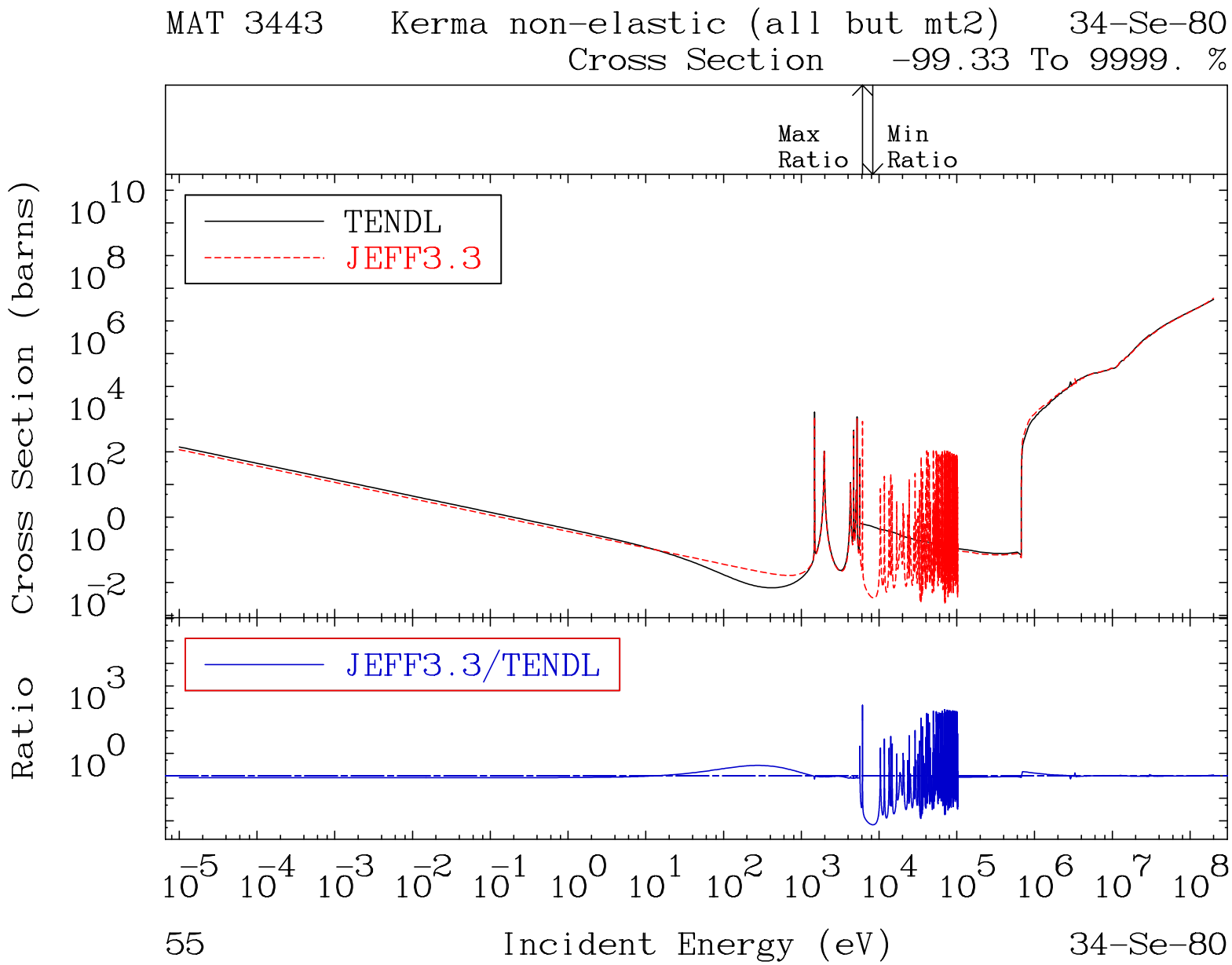

MAT 3443
Tritium Production
34-Se-80
Cross Section
-100.0 To 89.78 %
Min Ratio
Max Ratio
TENDL Threshold 11.970 MeV
JEFF3.3 Threshold 11.970 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
50
Incident Energy (eV)
34-Se-80

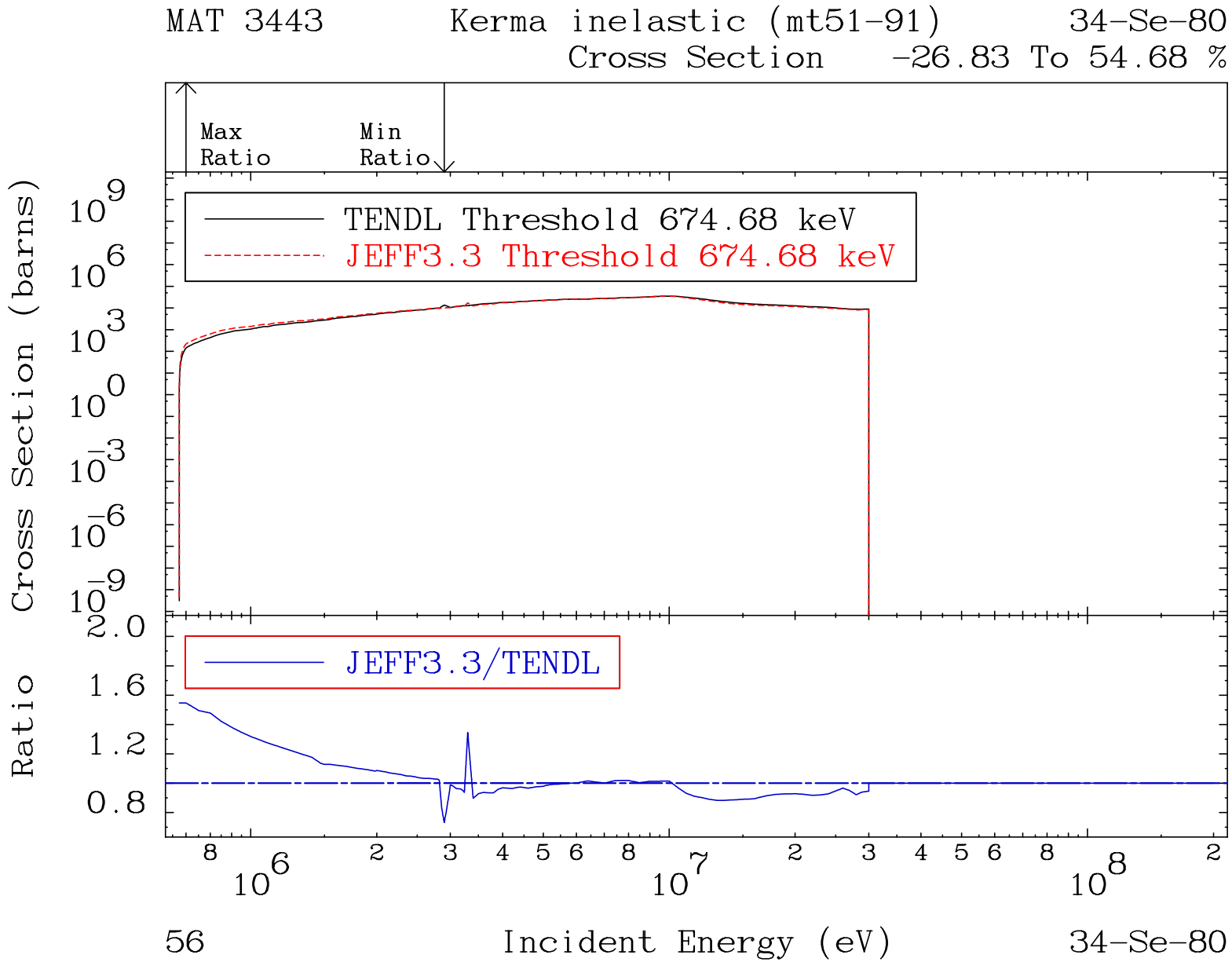

MAT 3443
He-3 Production
Cross Section
34-Se-80
-0.361 To 5.458 %
Max
Ratio
Min
Ratio
TENDL Threshold 12.918 MeV
JEFF3.3 Threshold 12.918 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
1.08
1.04
1.00
2
3
4
5
6
7
8
9
2
10^8
51
Incident Energy (eV)
34-Se-80

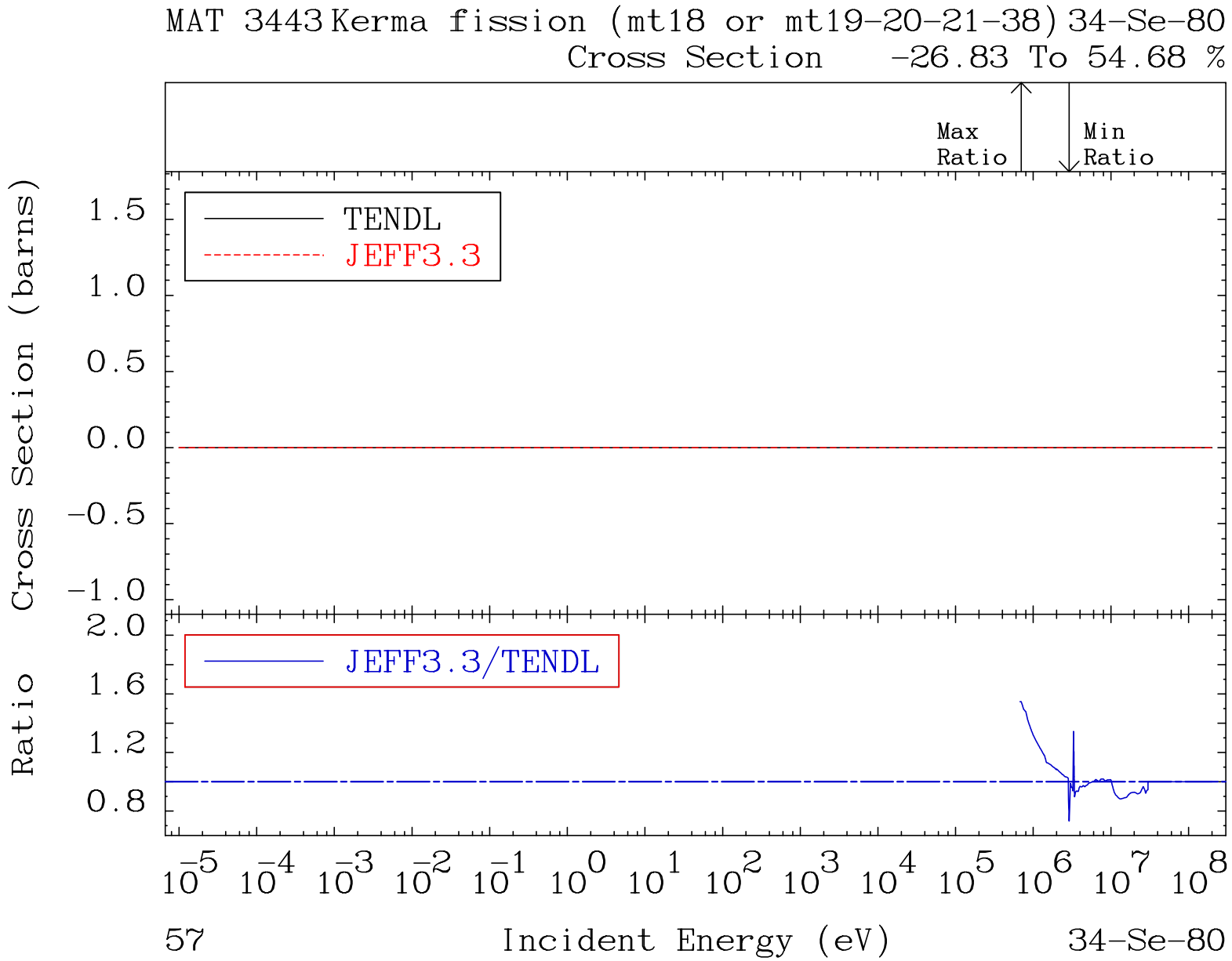

MAT 3443
He-4 Production
Cross Section
34-Se-80
-79.84 To 1609. %
Min Ratio
Max Ratio
TENDL Threshold 911.57 keV
JEFF3.3 Threshold 911.57 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
10^1
10^0
10^6
10^7
10^8
2
3
4
5
6
8
52
Incident Energy (eV)
34-Se-80

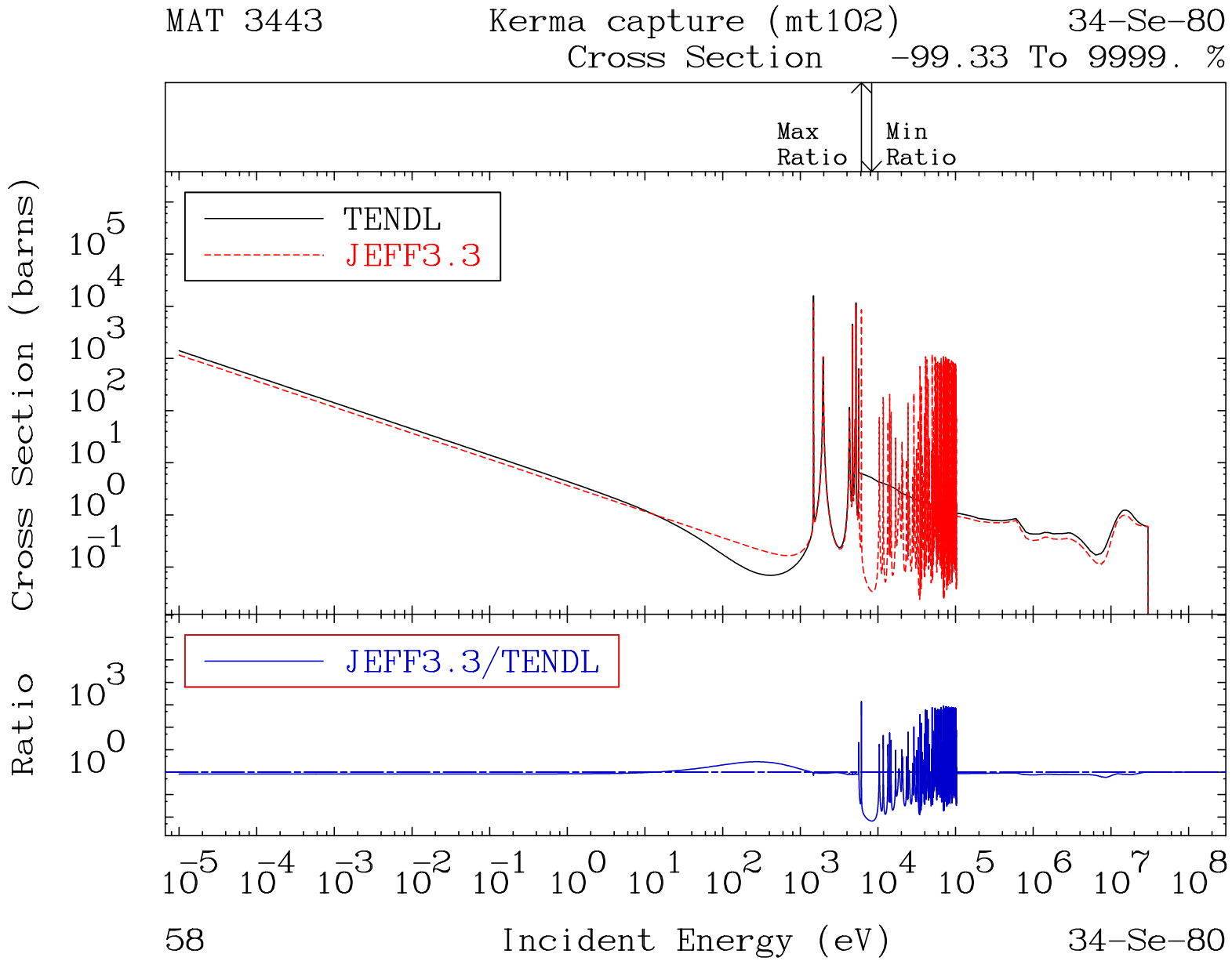

MAT 3443
Kerma total (eV-barns)
34-Se-80
Cross Section -98.71 To 2317. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
34-Se-80

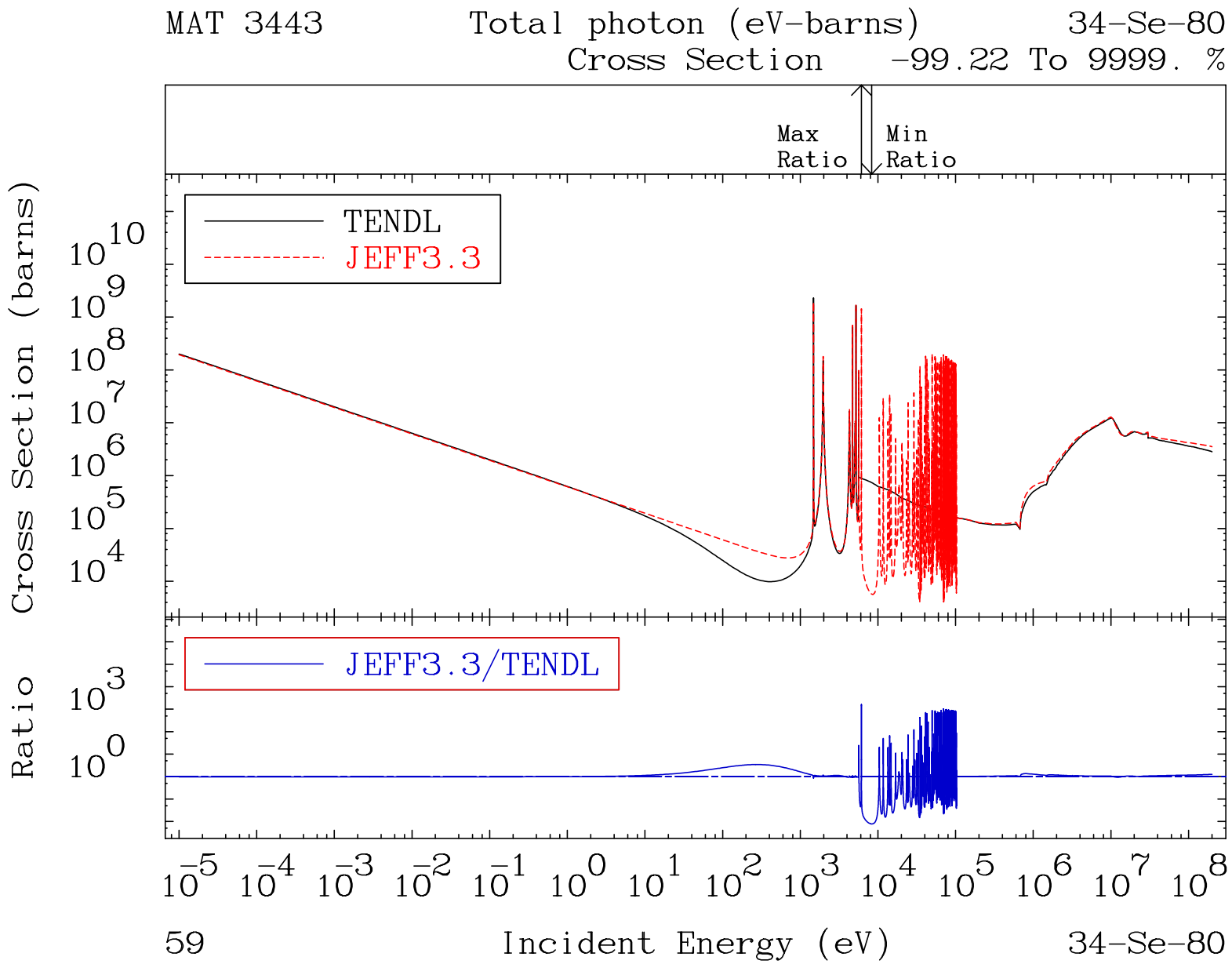

MAT 3443
Kerma elastic
Cross Section
34-Se-80
-98.73 To 2219. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
34-Se-80

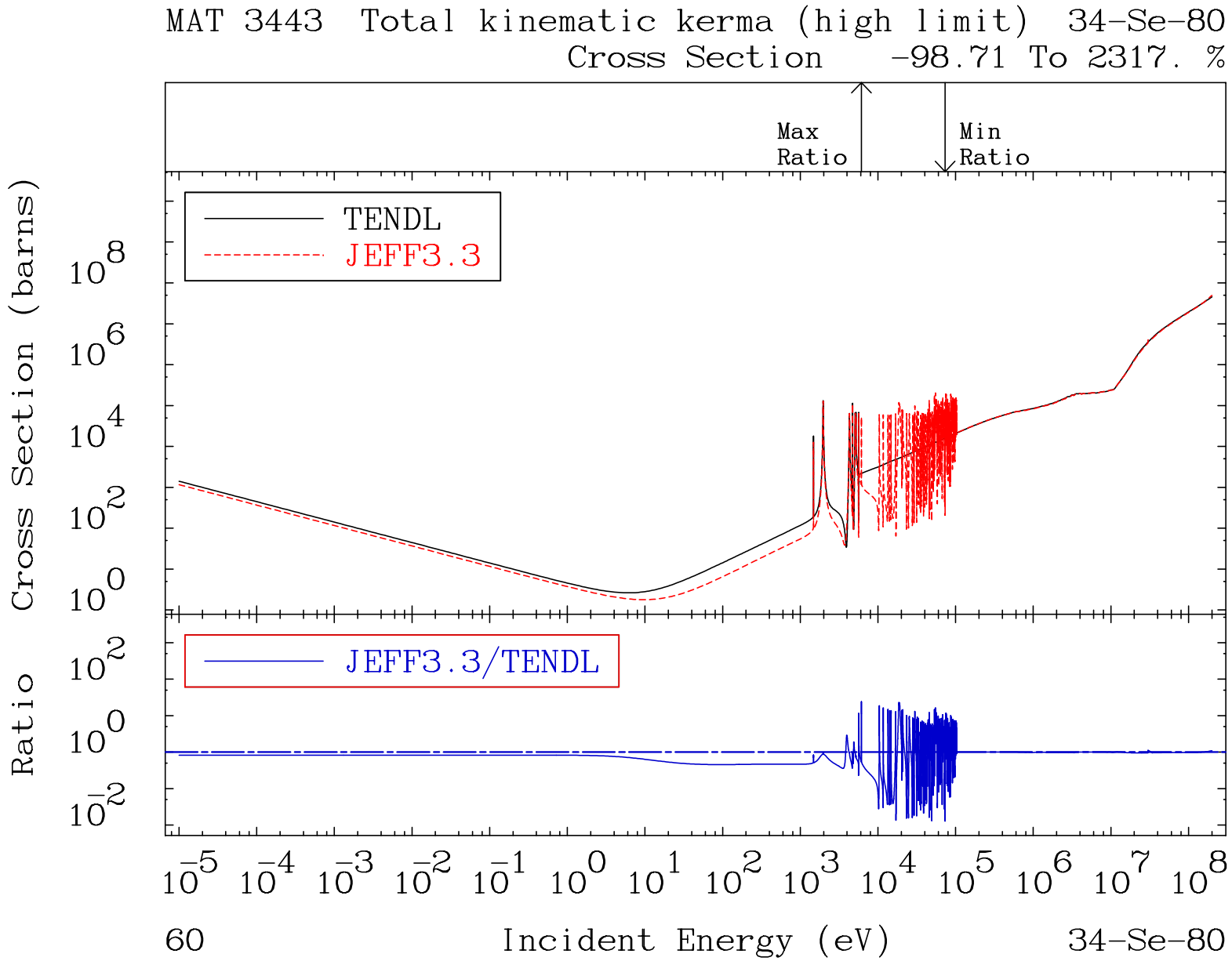

MAT 3443 Kerma non-elastic (all but mt2) 34-Se-80
Cross Section -99.33 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
34-Se-80

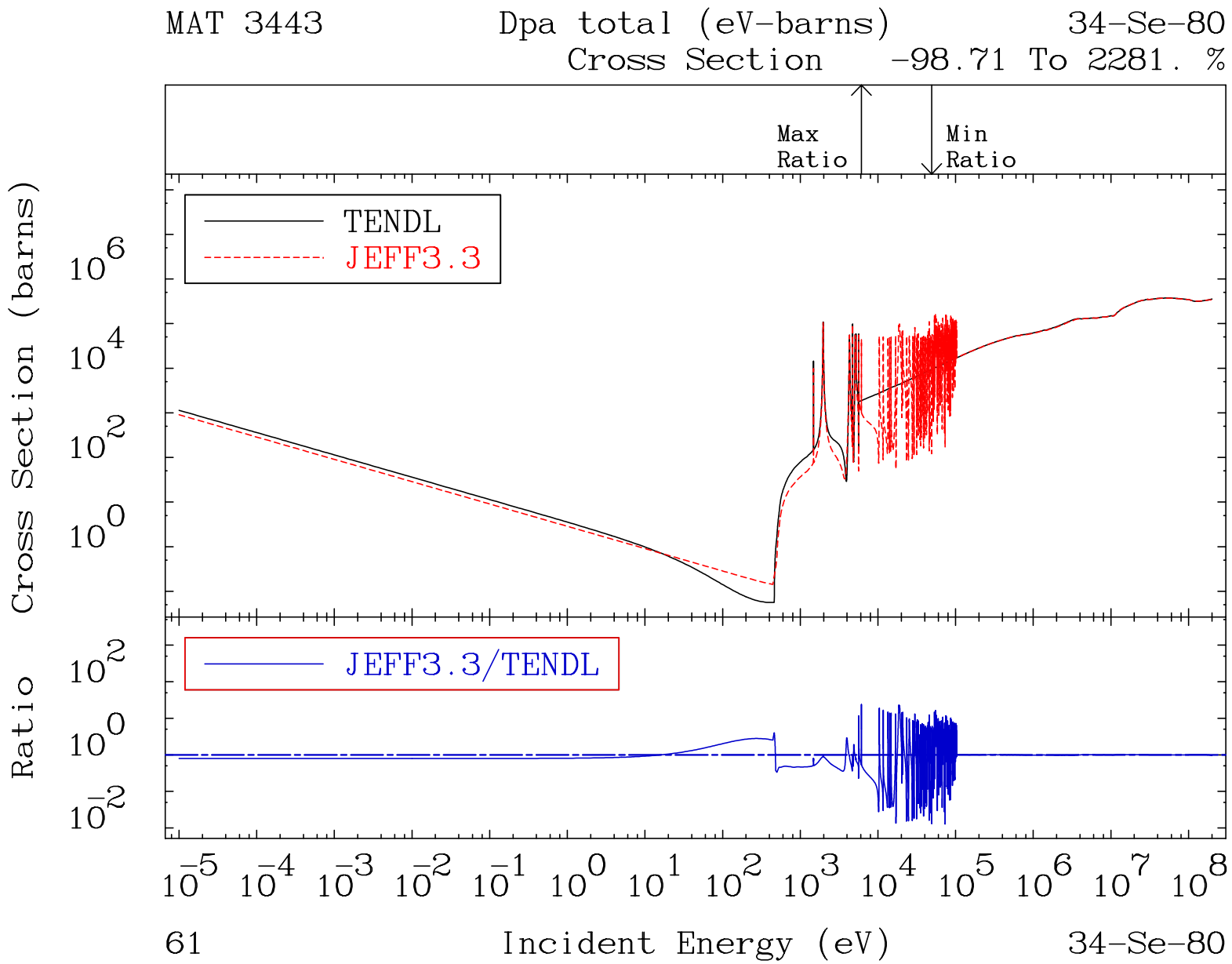

MAT 3443
Kerma inelastic (mt51-91)
34-Se-80
Cross Section -26.83 To 54.68 %
Max Ratio
Min Ratio
TENDL Threshold 674.68 keV
JEFF3.3 Threshold 674.68 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
56
34-Se-80

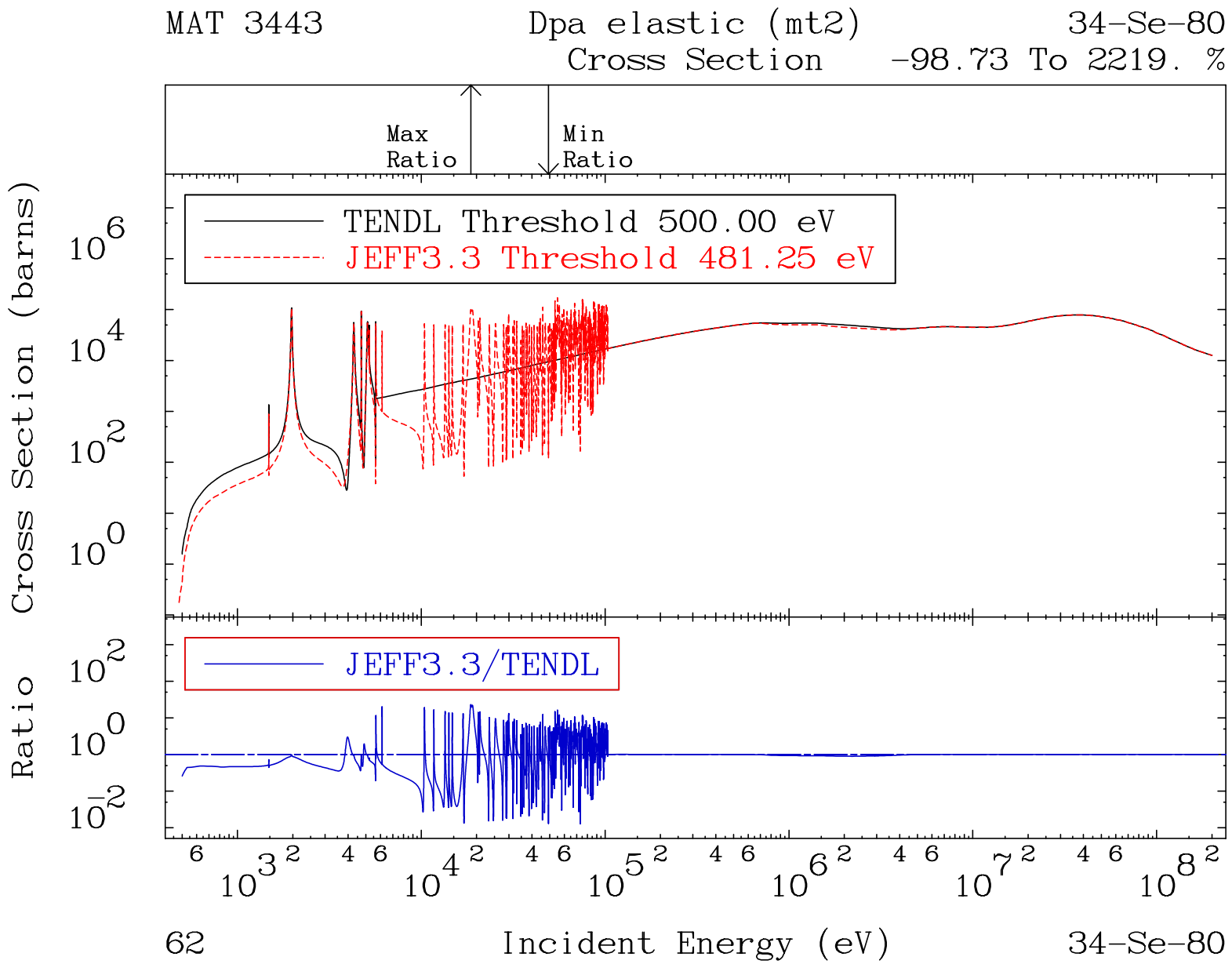

MAT 3443 Kerma fission (mt18 or mt19-20-21-38) 34-Se-80
Cross Section -26.83 To 54.68 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
2.0
1.6
1.2
0.8
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
57
Incident Energy (eV)
34-Se-80

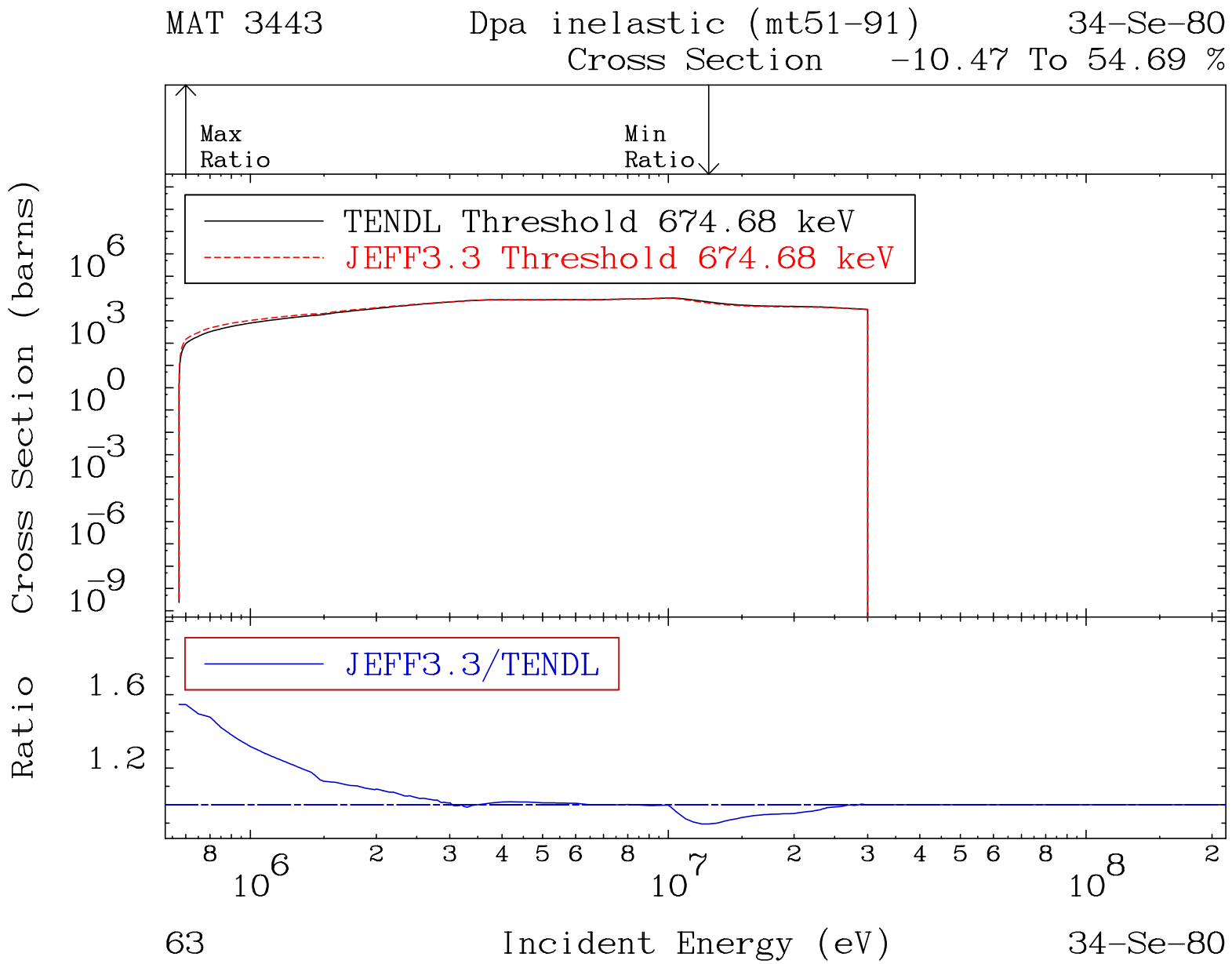

MAT 3443
Kerma capture (mt102)
34-Se-80
Cross Section
-99.33 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
58
34-Se-80

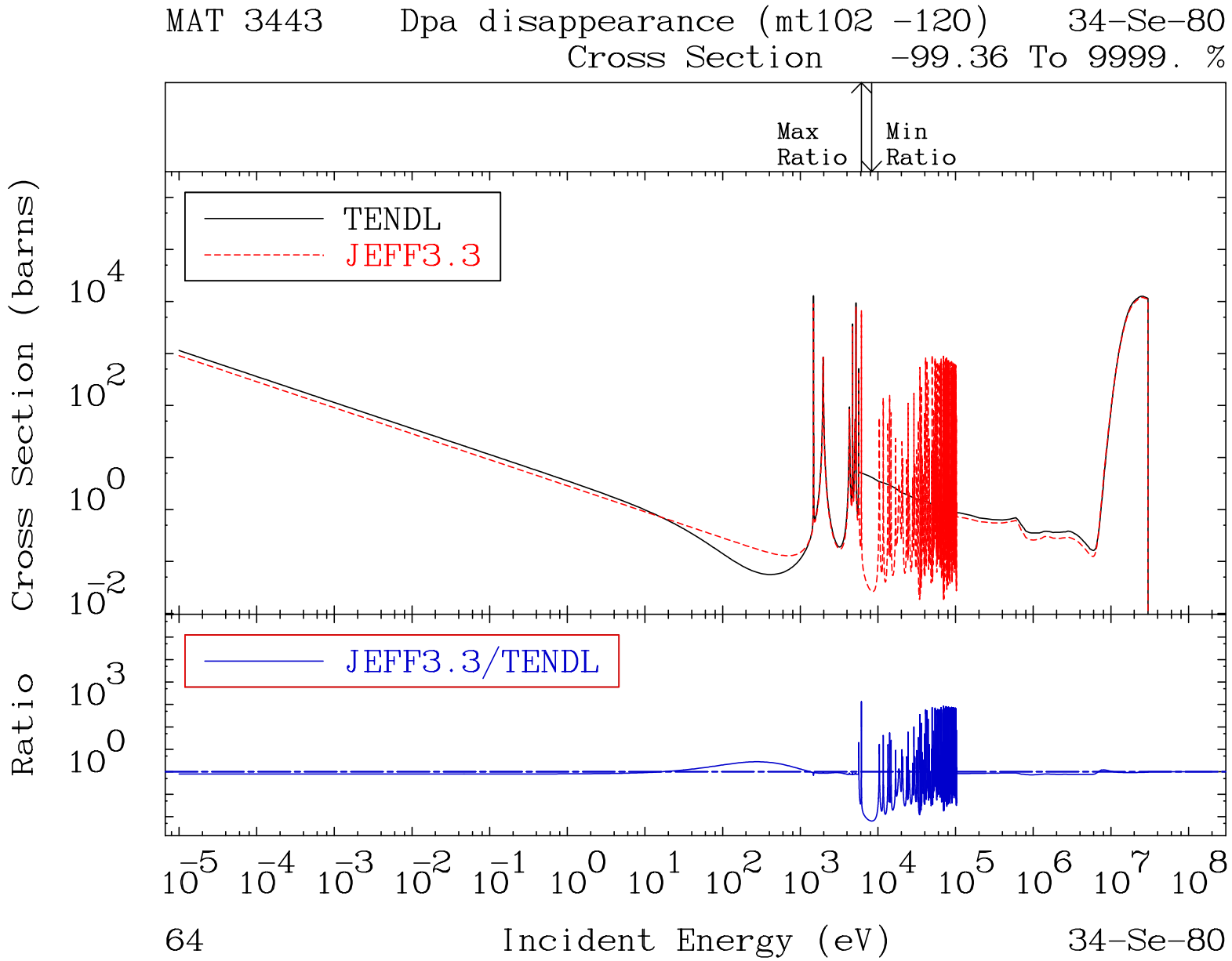

MAT 3443
Total photon (eV-barns)
34-Se-80
Cross Section -99.22 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
34-Se-80

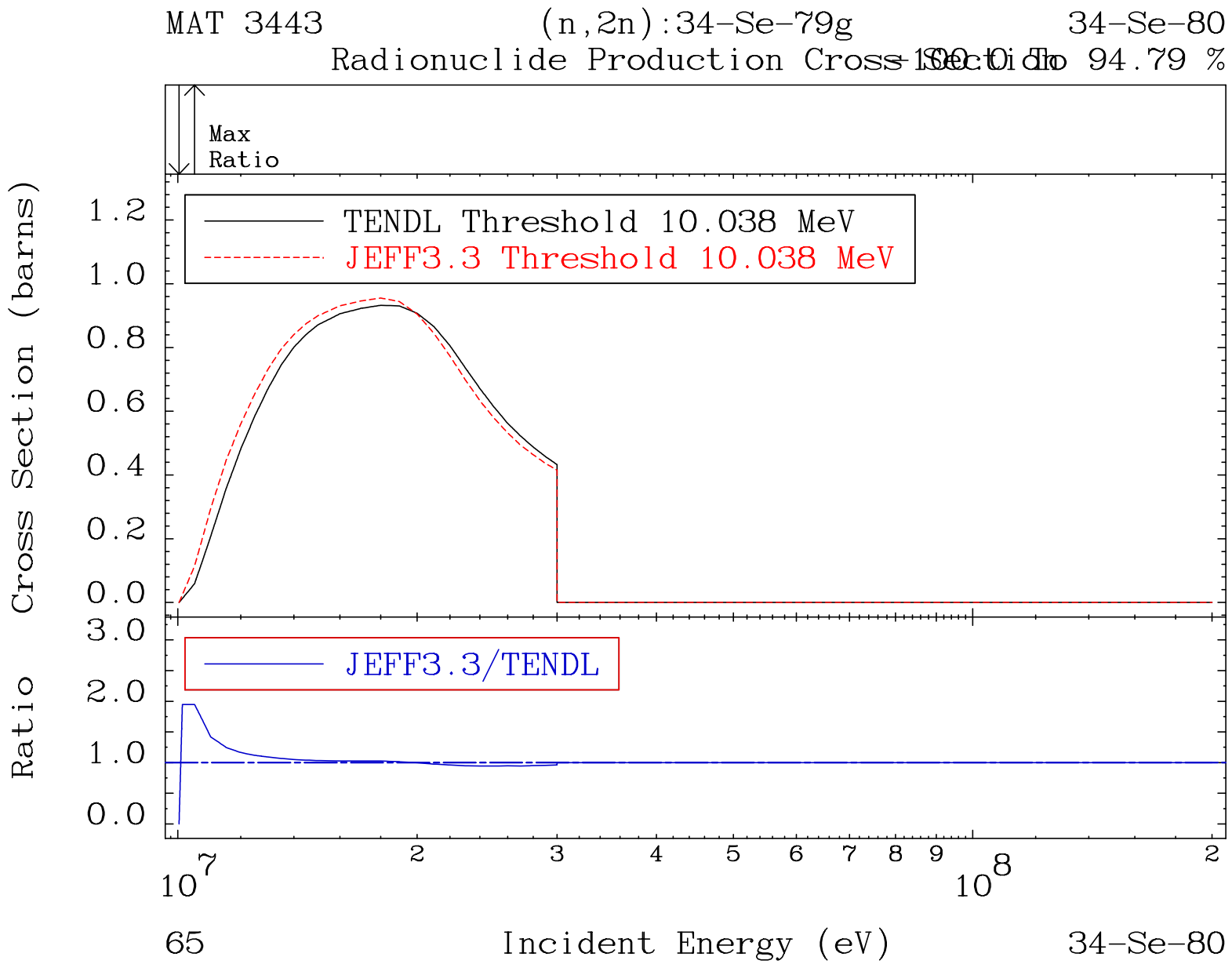

MAT 3443 Total kinematic kerma (high limit) 34-Se-80
Cross Section -98.71 To 2317. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
34-Se-80

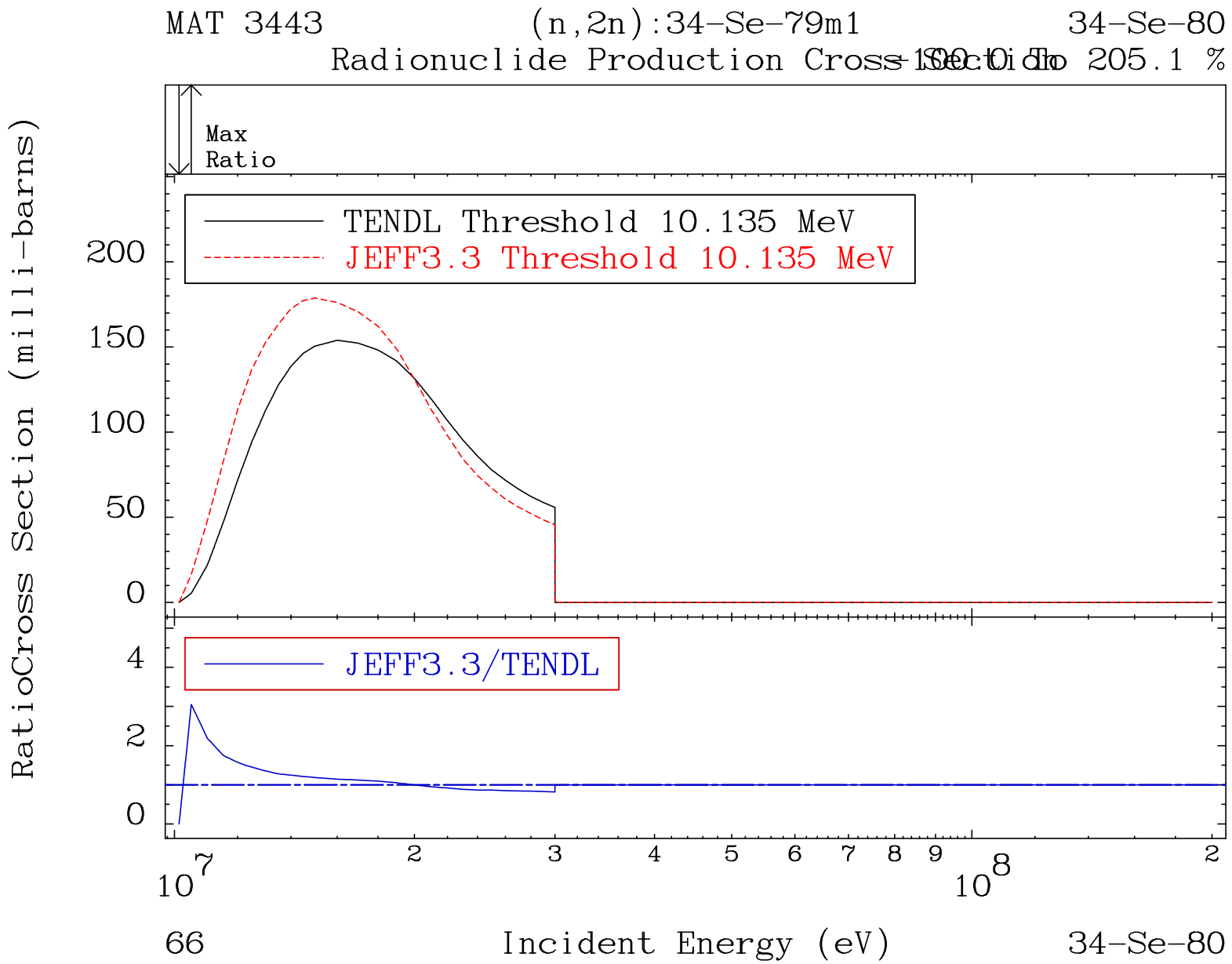

MAT 3443
Dpa total (eV-barns)
34-Se-80
Cross Section -98.71 To 2281. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
34-Se-80

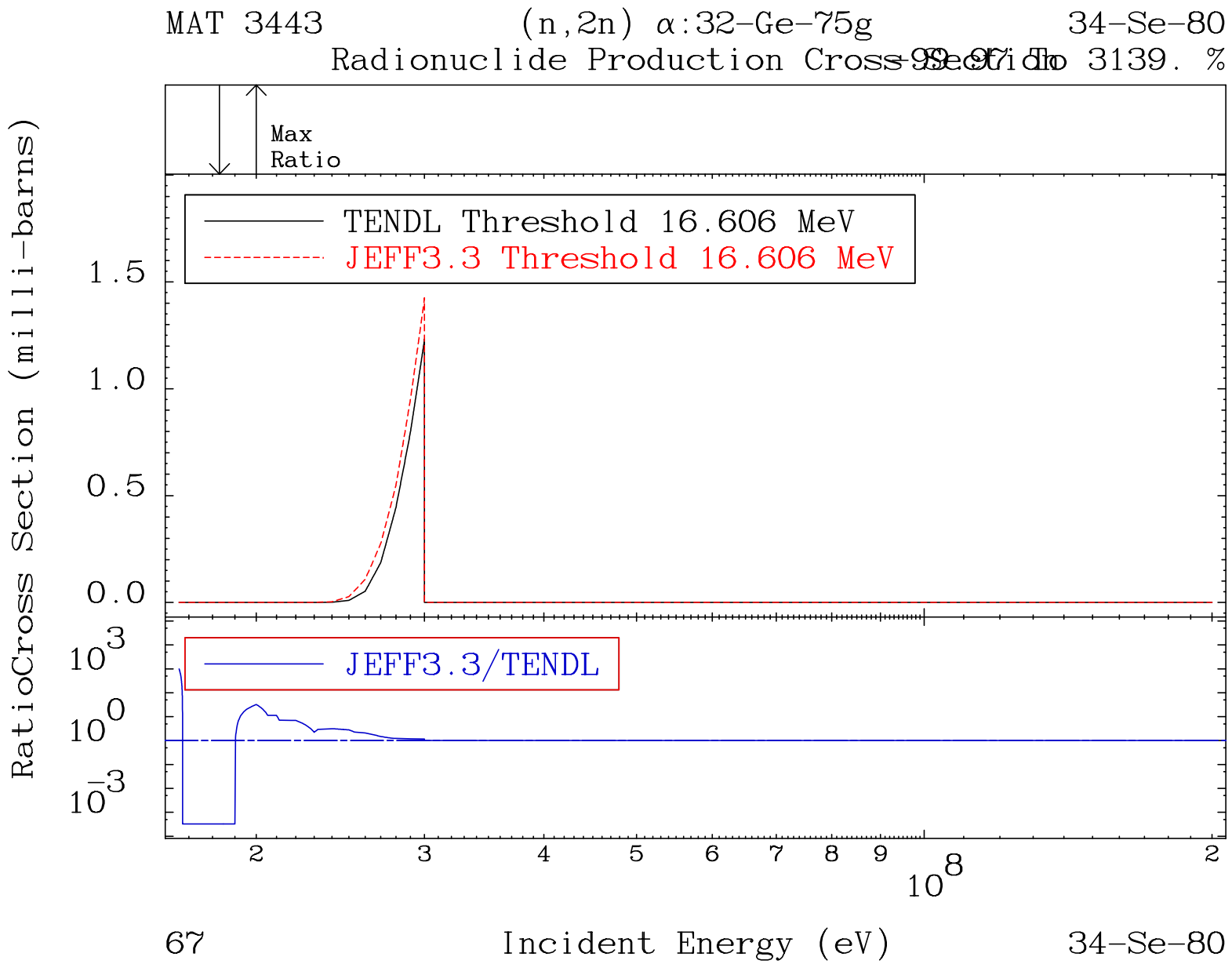

MAT 3443
Dpa elastic (mt2)
Cross Section
34-Se-80
-98.73 To 2219. %
Max Ratio
Min Ratio
TENDL Threshold 500.00 eV
JEFF3.3 Threshold 481.25 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
34-Se-80

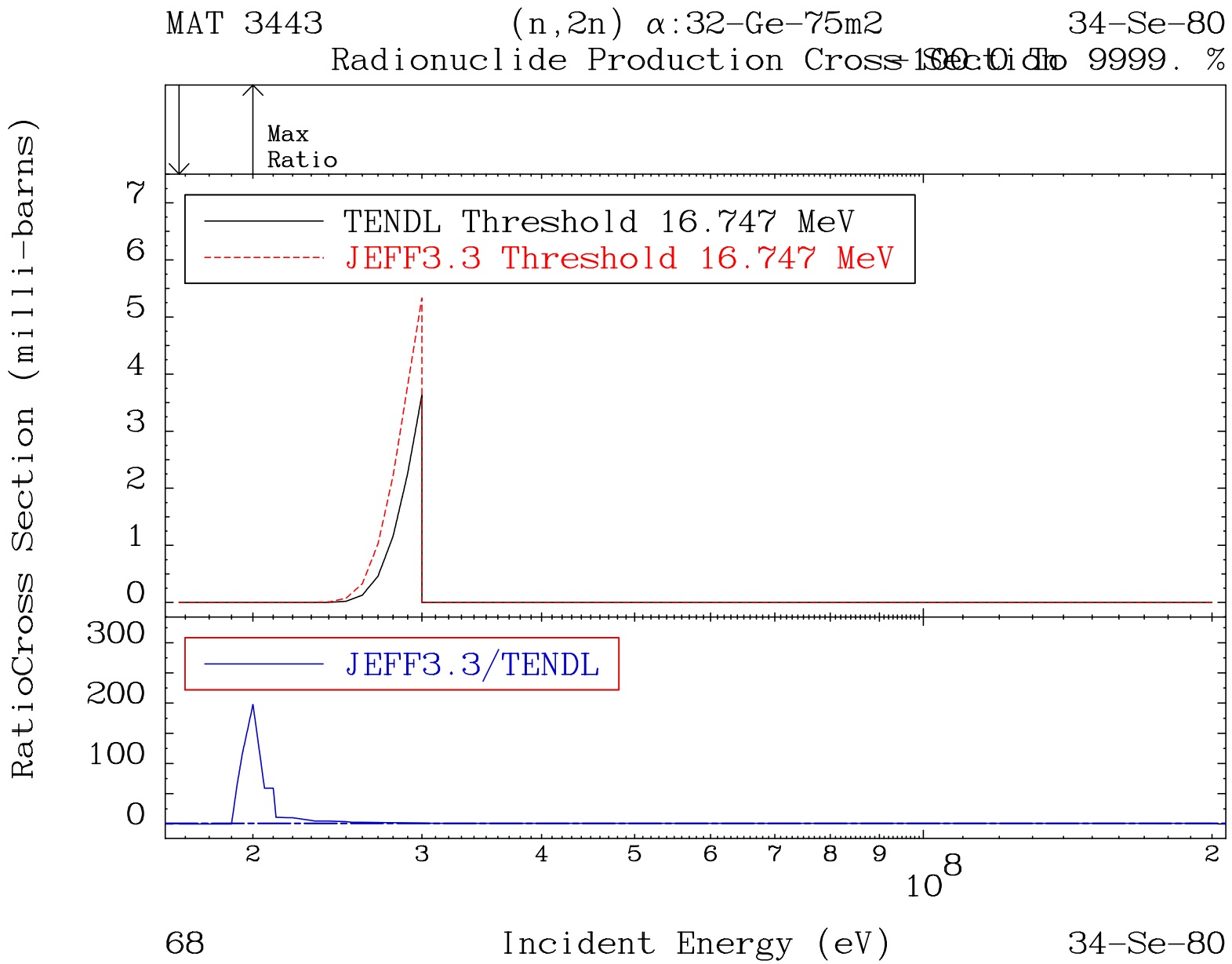

MAT 3443
Dpa inelastic (mt51-91)
34-Se-80
Cross Section
-10.47 To 54.69 %
Max Ratio
Min Ratio
TENDL Threshold 674.68 keV
JEFF3.3 Threshold 674.68 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
63
34-Se-80

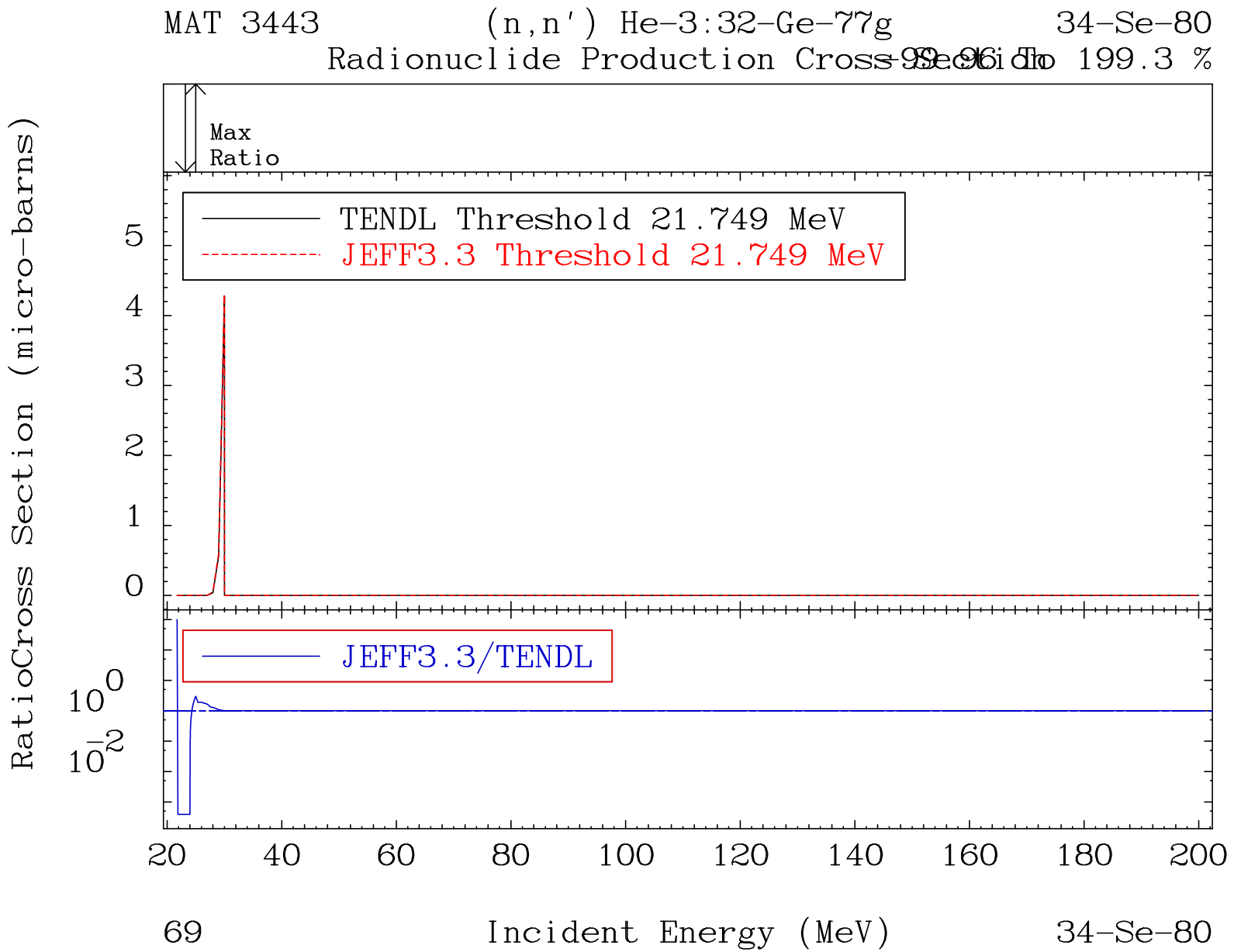

MAT 3443 Dpa disappearance (mt102 -120) 34-Se-80
Cross Section -99.36 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
34-Se-80

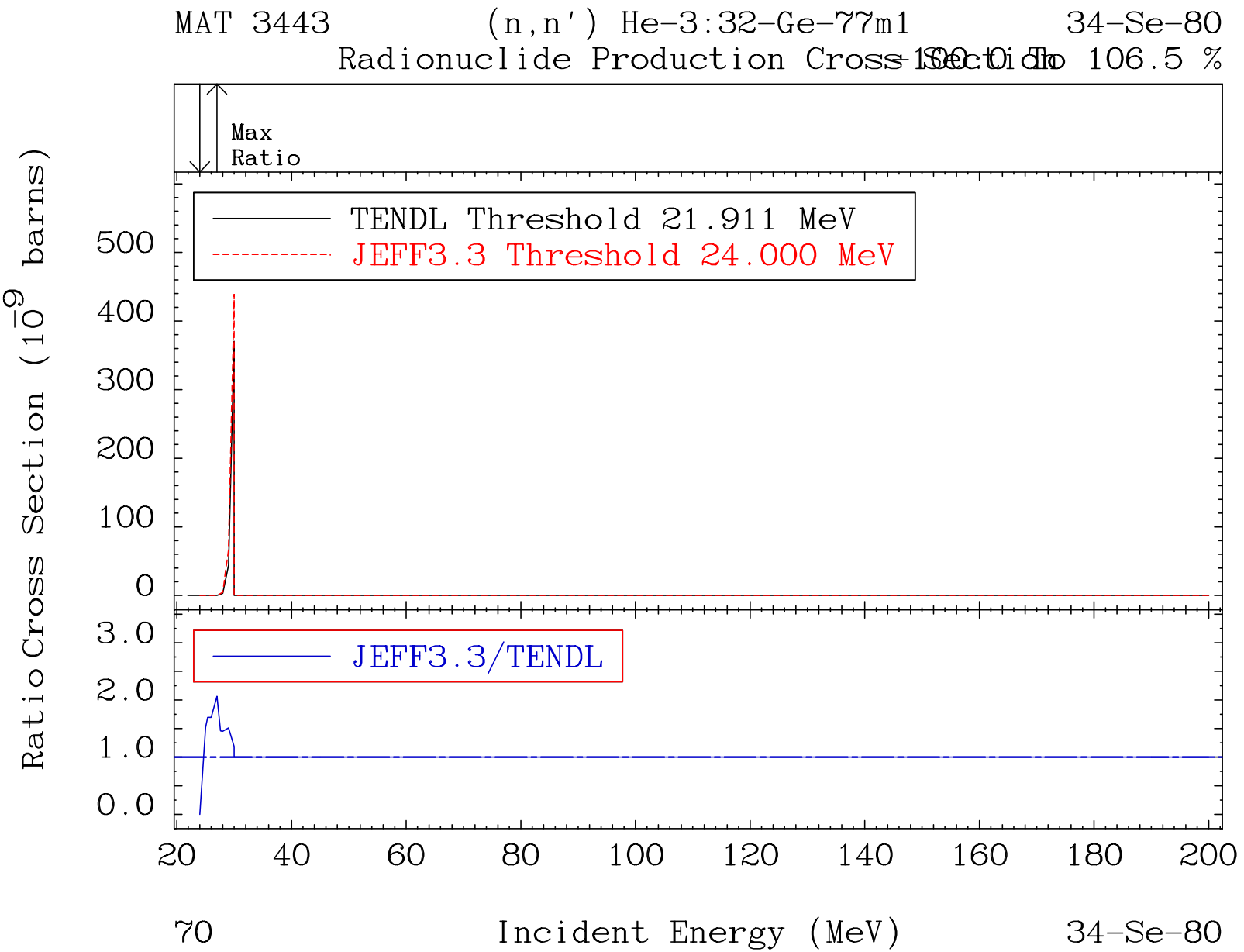

MAT 3443
(n,2n):34-Se-79g
34-Se-80
Radionuclide Production Cross Section To 94.79 %
Max
Ratio
TENDL Threshold 10.038 MeV
JEFF3.3 Threshold 10.038 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
3.0
2.0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
65
Incident Energy (eV)
34-Se-80

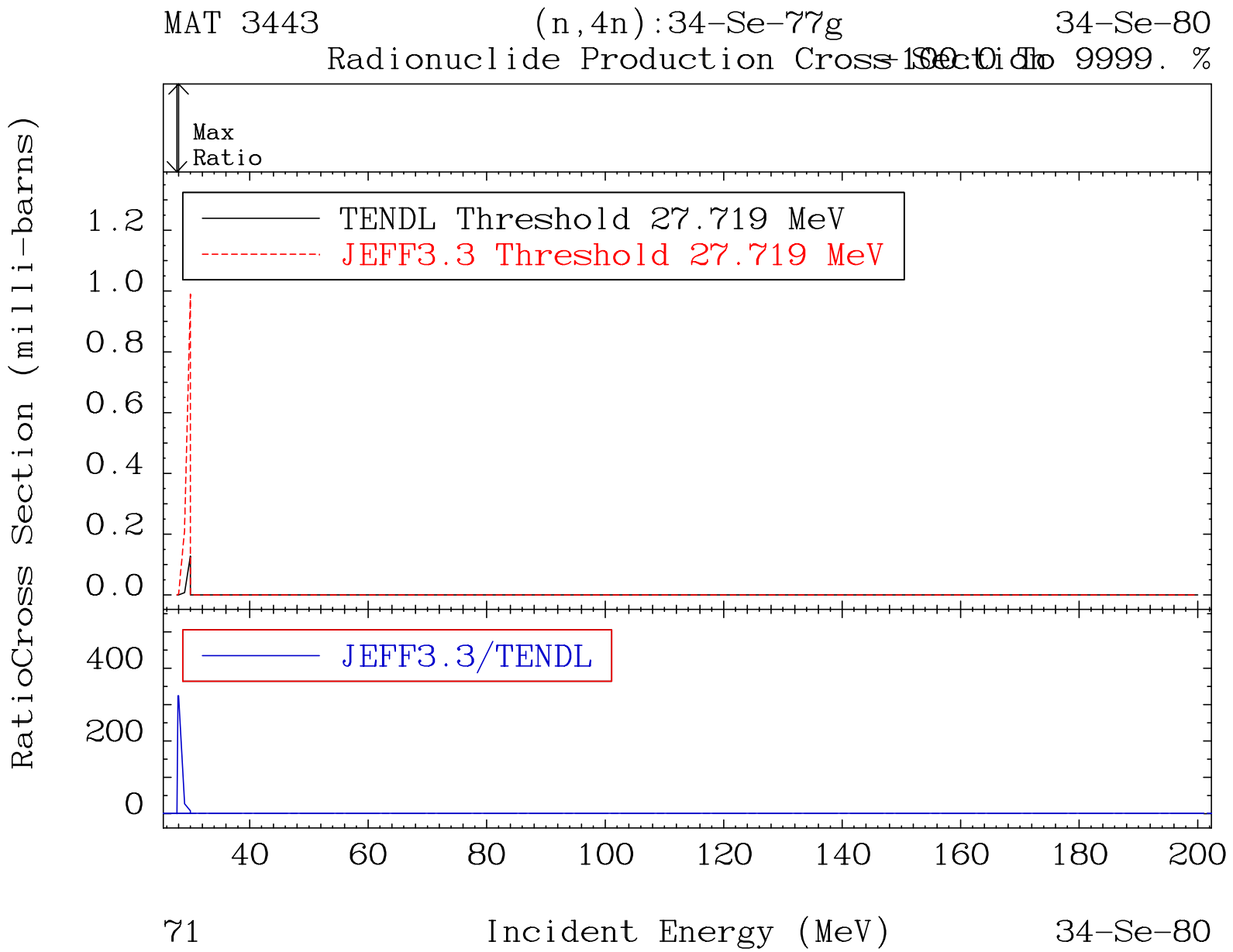

MAT 3443
(n,2n):34-Se-79m1
34-Se-80
Radionuclide Production Cross Section To 205.1 %
Max
Ratio
TENDL Threshold 10.135 MeV
JEFF3.3 Threshold 10.135 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
4
2
0
10^7
2
3
4
5
6
7
8
9
10^8
2
66
Incident Energy (eV)
34-Se-80

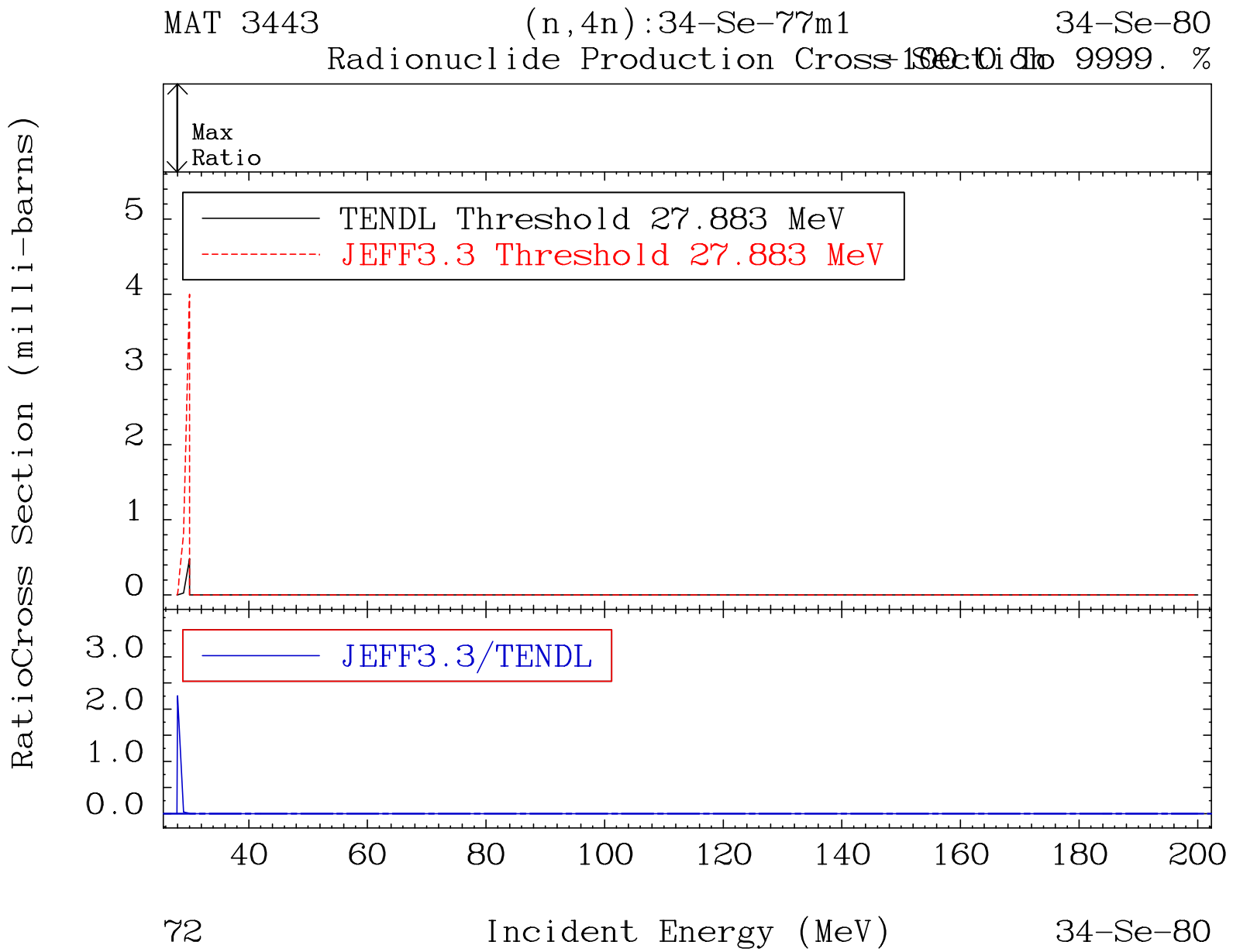

MAT 3443
(n,2n) α:32-Ge-75g
34-Se-80
Radionuclide Production Cross Section To 3139. %
Max
Ratio
TENDL Threshold 16.606 MeV
JEFF3.3 Threshold 16.606 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.5
1.0
0.5
0.0
10^3
10^0
10^-3
2
3
4
5
6
7
8
9
10^8
2
67
Incident Energy (eV)
34-Se-80

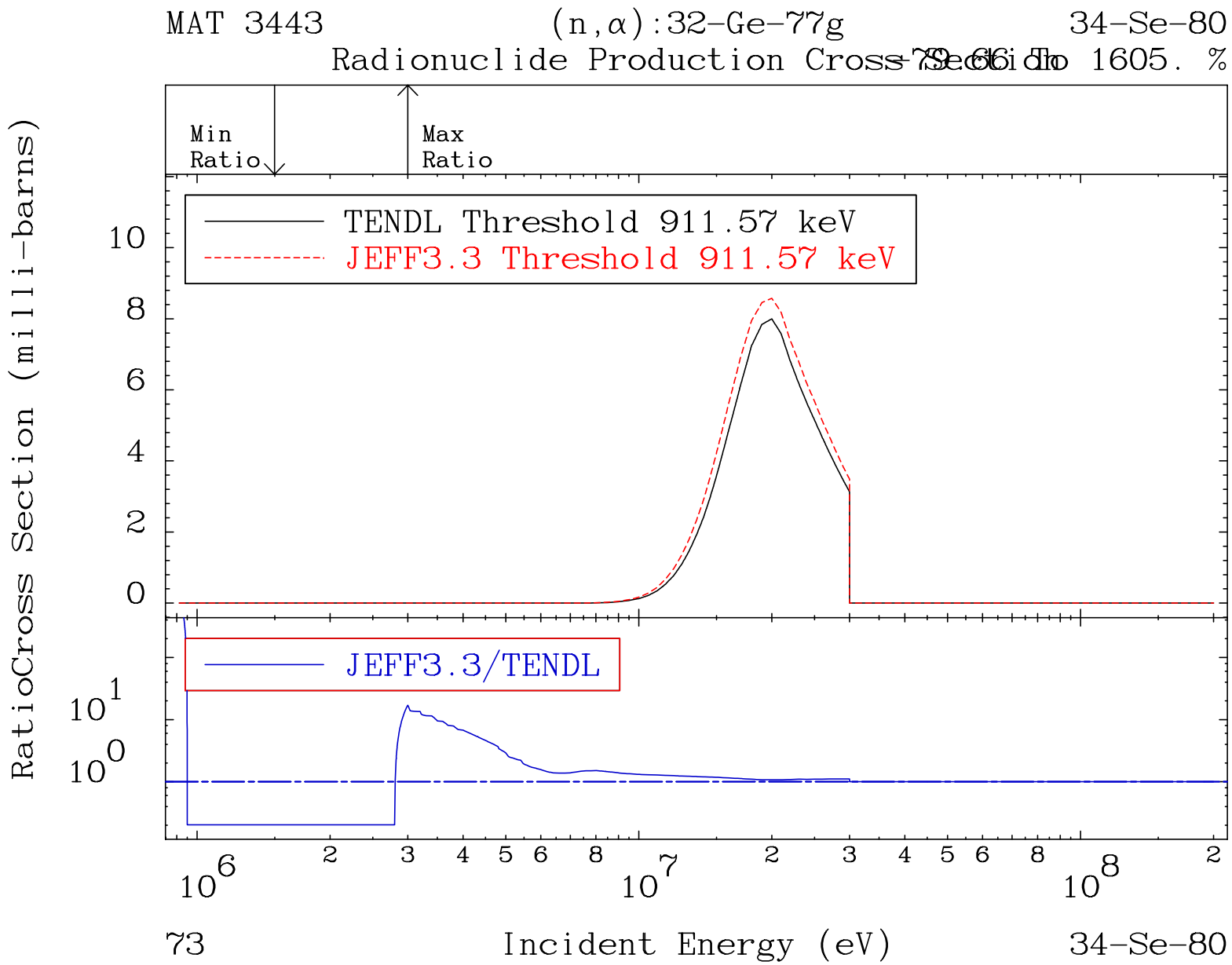

MAT 3443
(n,2n) α:32-Ge-75m2
34-Se-80
Radionuclide Production Cross Section
1.00 To 9999. %
Max
Ratio
TENDL Threshold 16.747 MeV
JEFF3.3 Threshold 16.747 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
68
34-Se-80

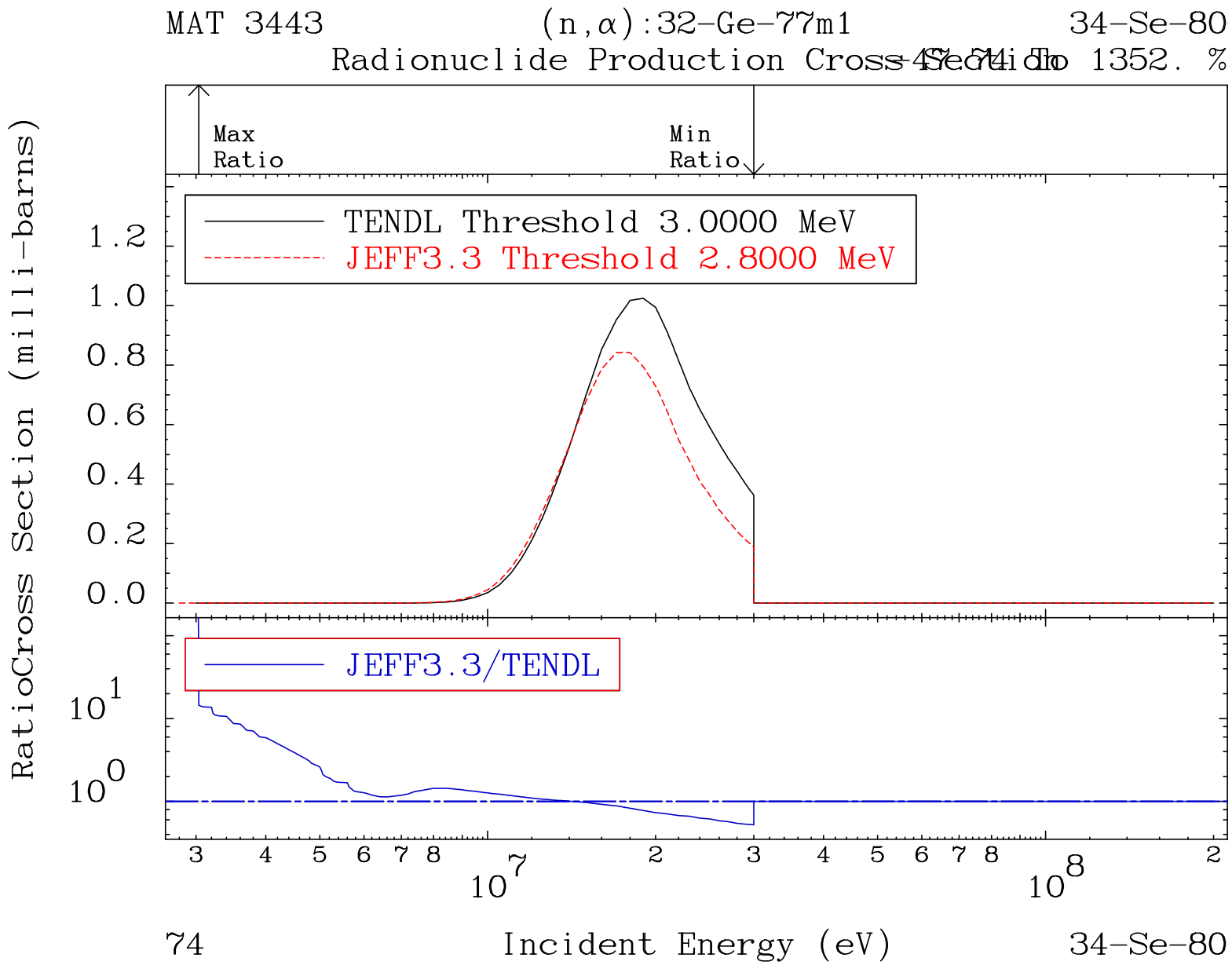

MAT 3443 (n,n') He-3:32-Ge-77g 34-Se-80
Radionuclide Production Cross Section To 199.3 %
Max
Ratio
TENDL Threshold 21.749 MeV
JEFF3.3 Threshold 21.749 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
0
1
2
3
4
5
10^{0}
10^{-2}
20
40
60
80
100
120
140
160
180
200
69
Incident Energy (MeV)
34-Se-80

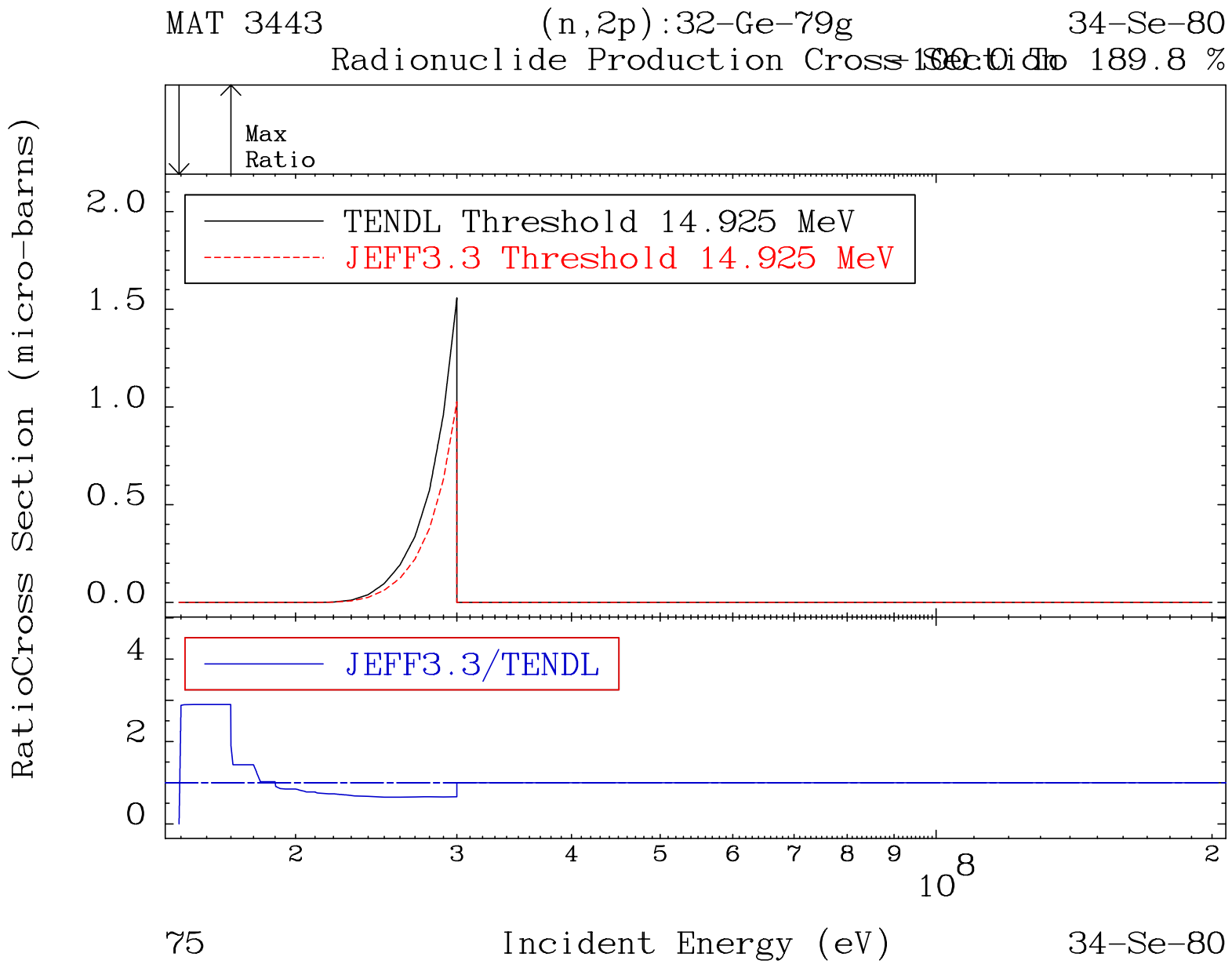

MAT 3443 (n,n') He-3:32-Ge-77m1 34-Se-80
Radionuclide Production Cross Section To 106.5 %
Max
Ratio
TENDL Threshold 21.911 MeV
JEFF3.3 Threshold 24.000 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
500
400
300
200
100
0
3.0
2.0
1.0
0.0
20
40
60
80
100
120
140
160
180
200
70
Incident Energy (MeV)
34-Se-80

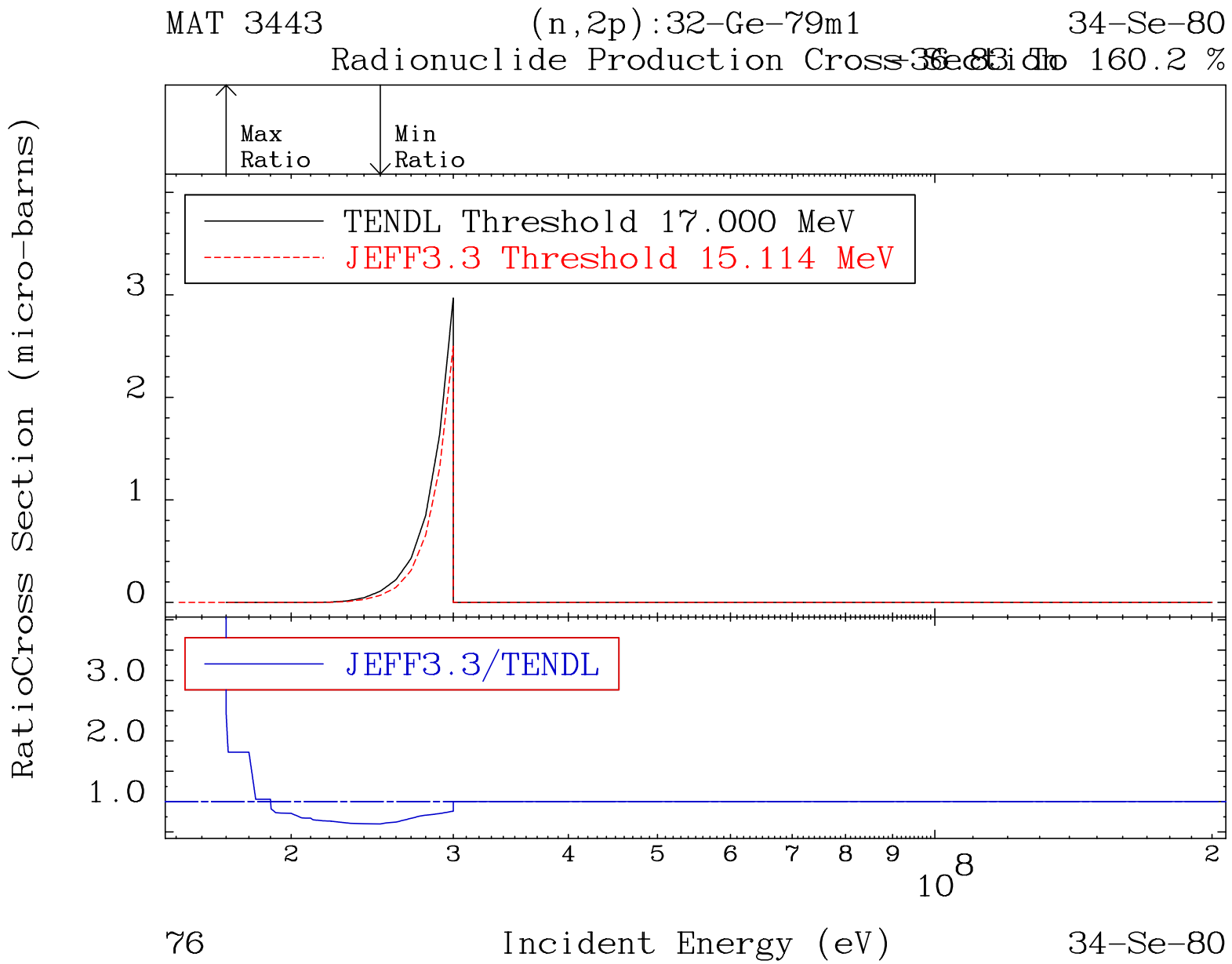

MAT 3443
(n,4n):34-Se-77g
34-Se-80
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 27.719 MeV
JEFF3.3 Threshold 27.719 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
400
200
0
40
60
80
100
120
140
160
180
200
71
Incident Energy (MeV)
34-Se-80

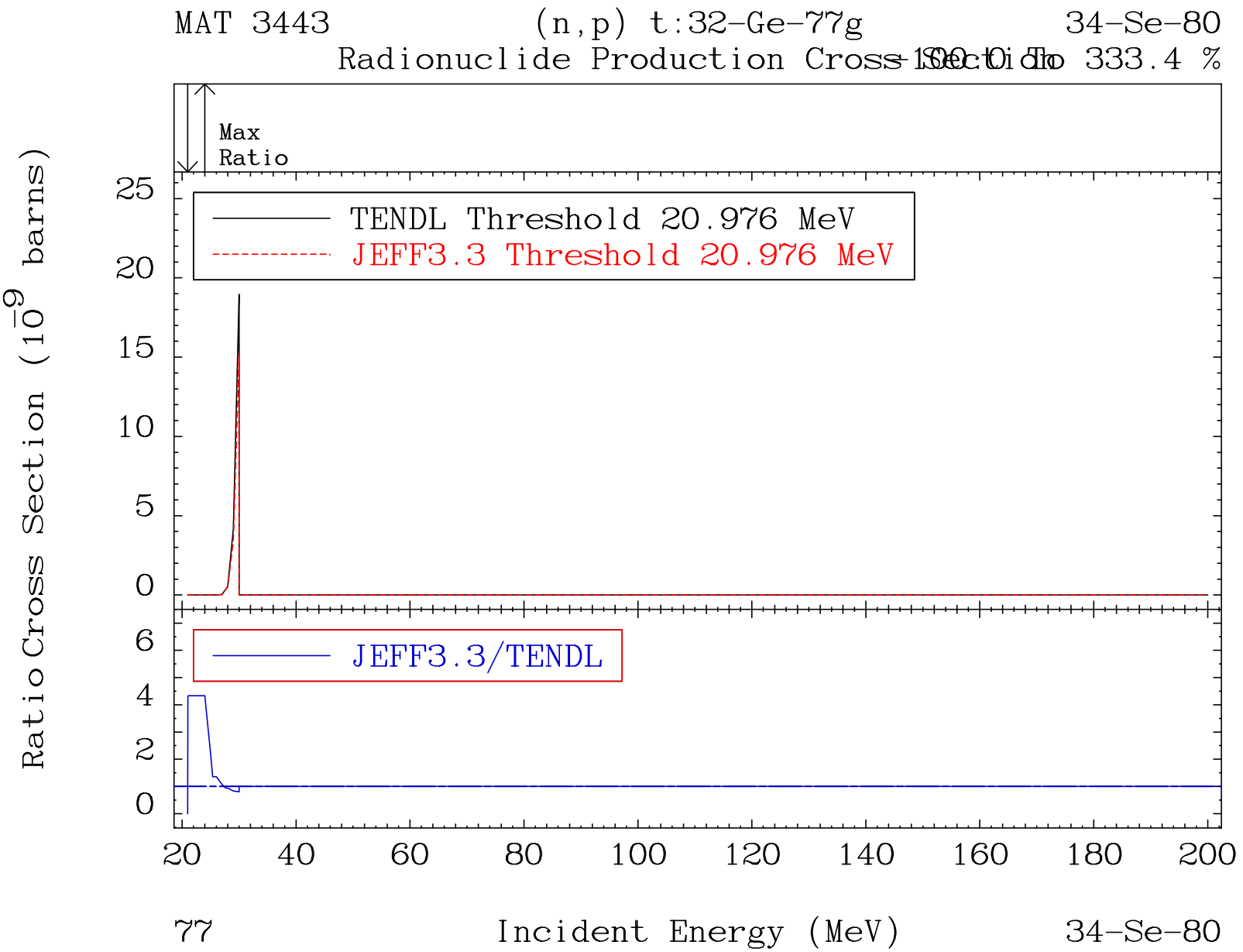

MAT 3443
(n,4n):34-Se-77m1
34-Se-80
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 27.883 MeV
JEFF3.3 Threshold 27.883 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (MeV)
72
34-Se-80

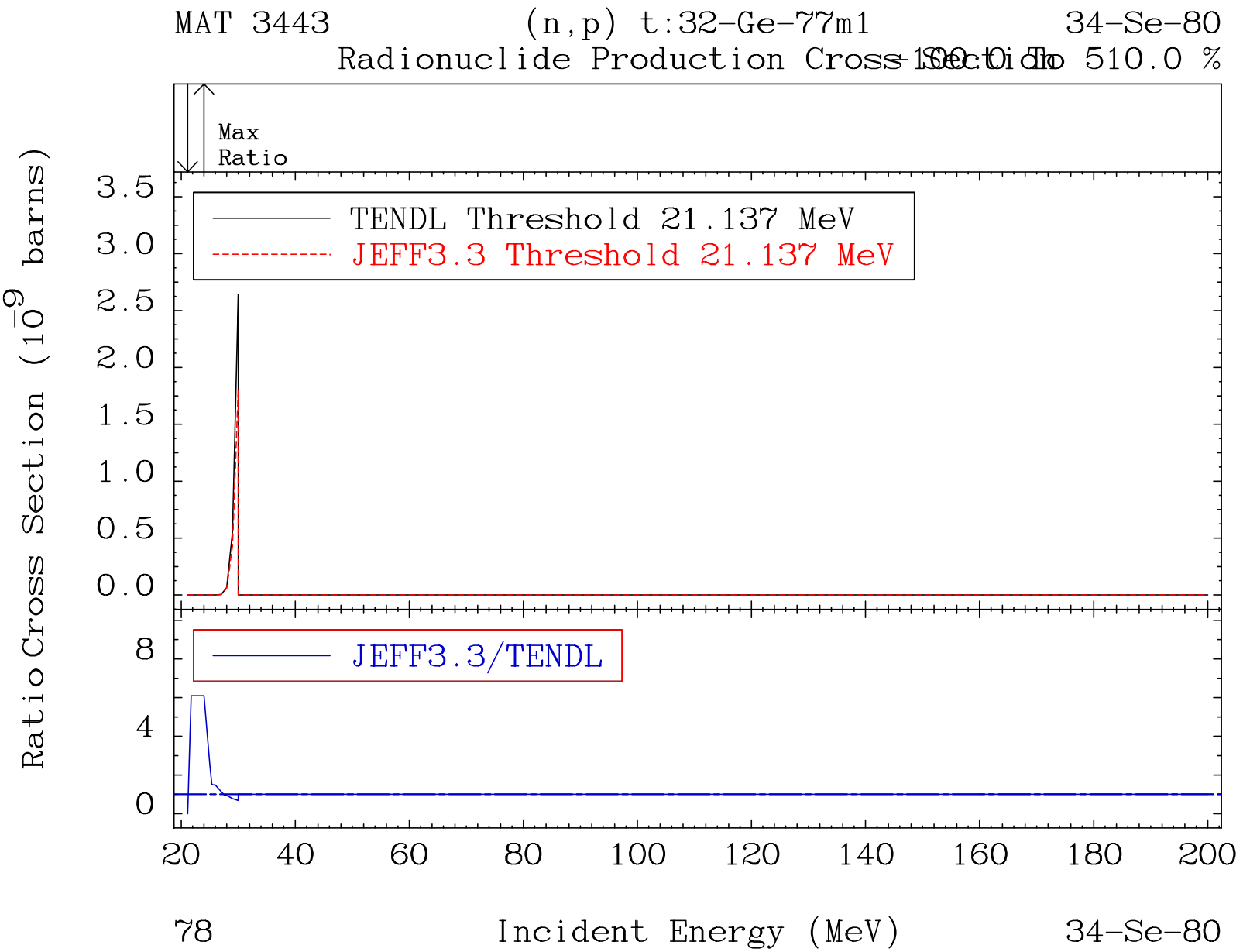

MAT 3443
(n,α):32-Ge-77g
34-Se-80
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 911.57 keV
JEFF3.3 Threshold 911.57 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
73
34-Se-80


MAT 3443
(n,α):32-Ge-77m1
34-Se-80
Radionuclide Production Cross Section To 1352. %
Max Ratio
Min Ratio
TENDL Threshold 3.0000 MeV
JEFF3.3 Threshold 2.8000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
10^1
10^0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
74
Incident Energy (eV)
34-Se-80


MAT 3443
(n,2p):32-Ge-79g
34-Se-80
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 14.925 MeV
JEFF3.3 Threshold 14.925 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
75
34-Se-80


MAT 3443
(n,2p):32-Ge-79m1
34-Se-80
Radionuclide Production Cross Section To 160.2 %
Max Ratio
Min Ratio
TENDL Threshold 17.000 MeV
JEFF3.3 Threshold 15.114 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
76
34-Se-80


MAT 3443
(n,p) t:32-Ge-77g
34-Se-80
Radionuclide Production Cross Section To 333.4 %
Max
Ratio
TENDL Threshold 20.976 MeV
JEFF3.3 Threshold 20.976 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
Incident Energy (MeV)
77
34-Se-80


MAT 3443
(n,p) t:32-Ge-77m1
34-Se-80
Radionuclide Production Cross Section To 510.0 %
Max
Ratio
TENDL Threshold 21.137 MeV
JEFF3.3 Threshold 21.137 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
8
4
0
20
40
60
80
100
120
140
160
180
200
78
Incident Energy (MeV)
34-Se-80