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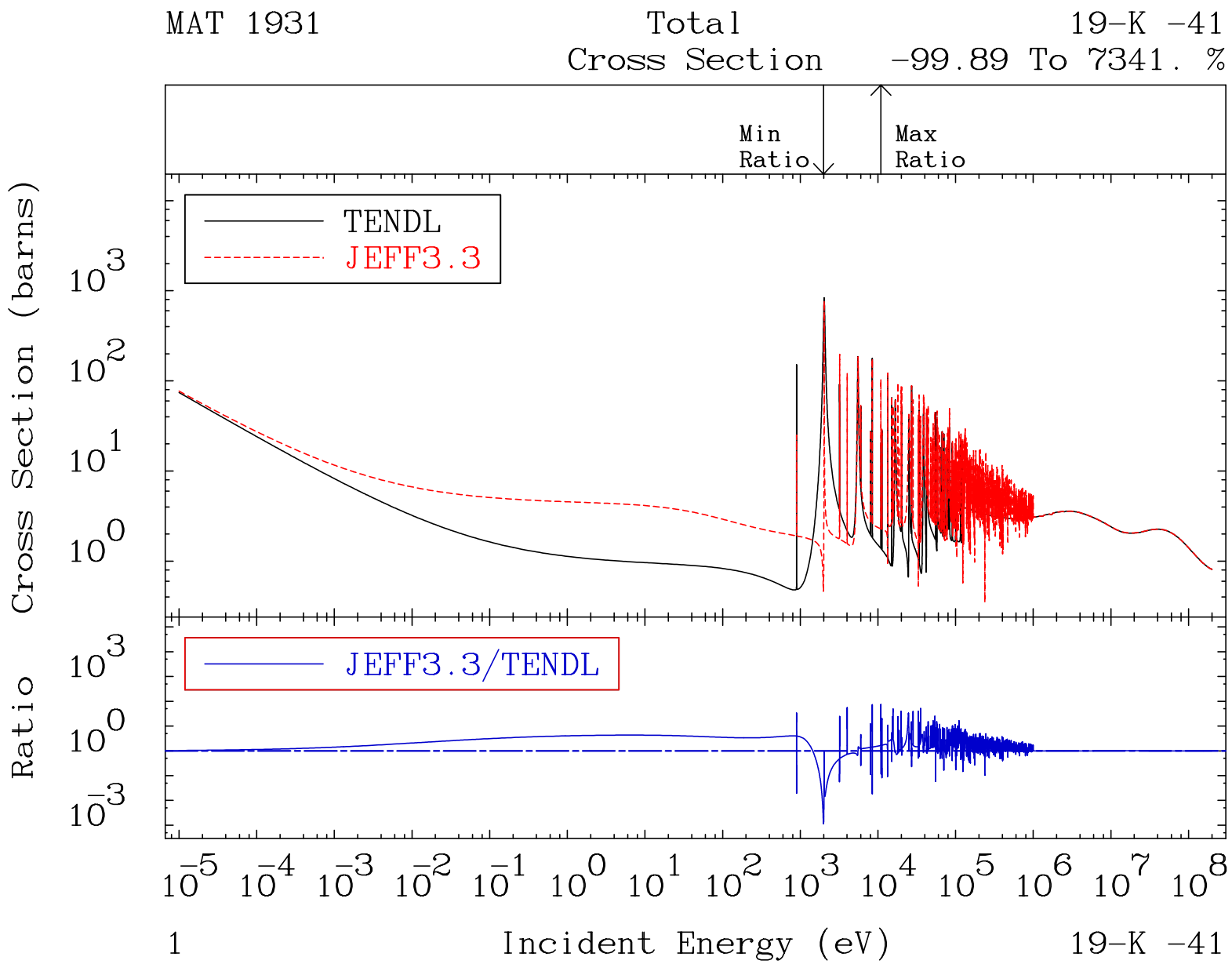
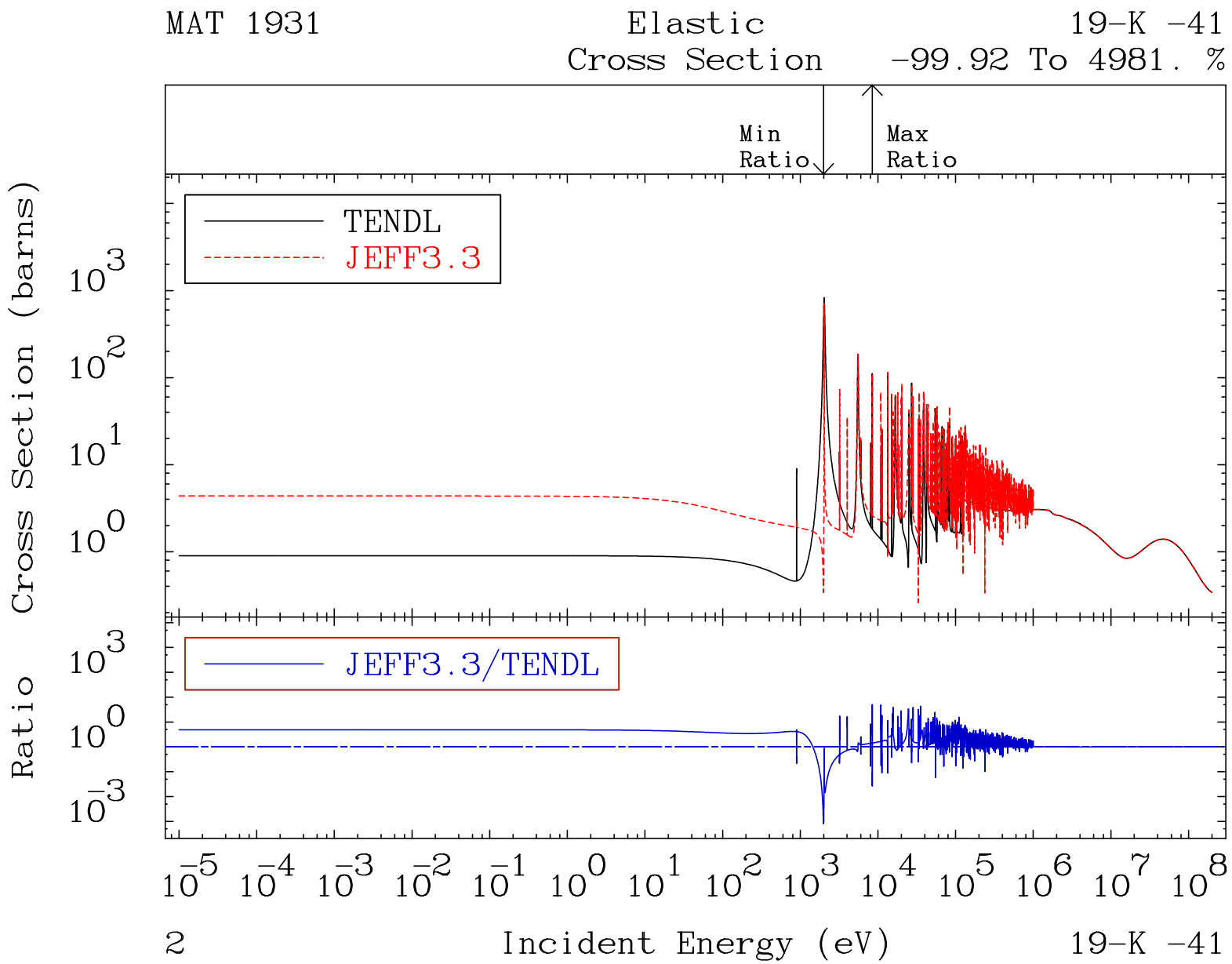
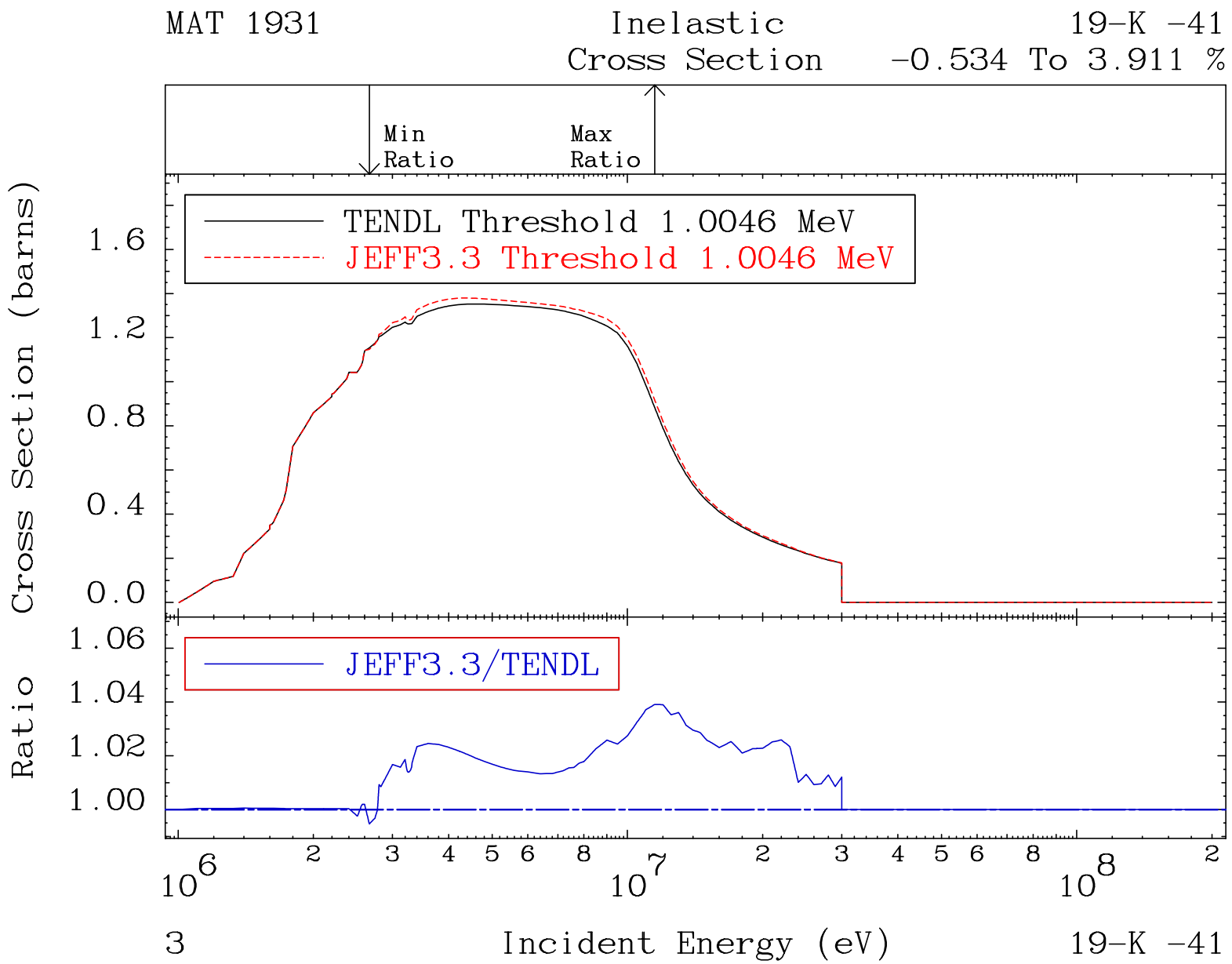
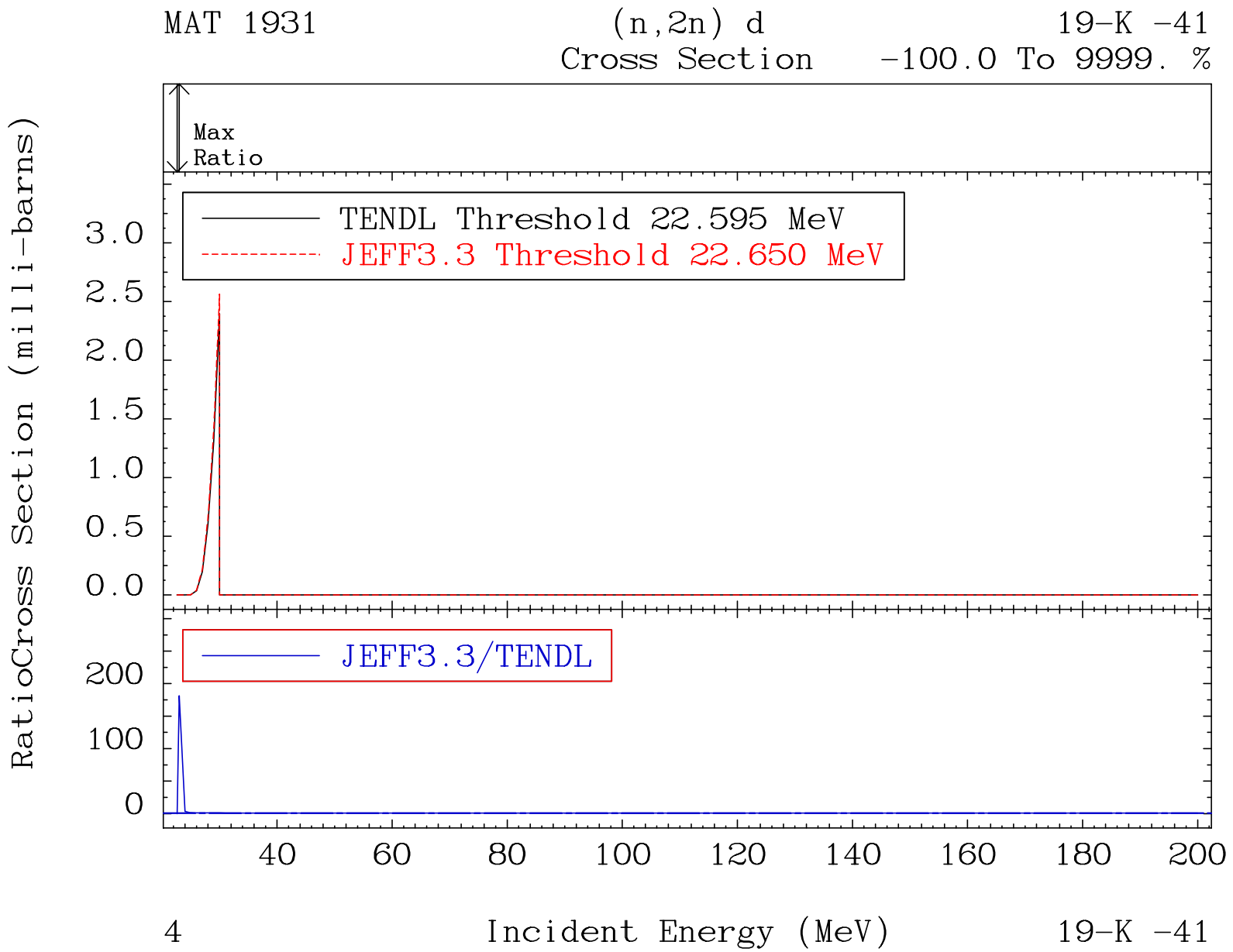
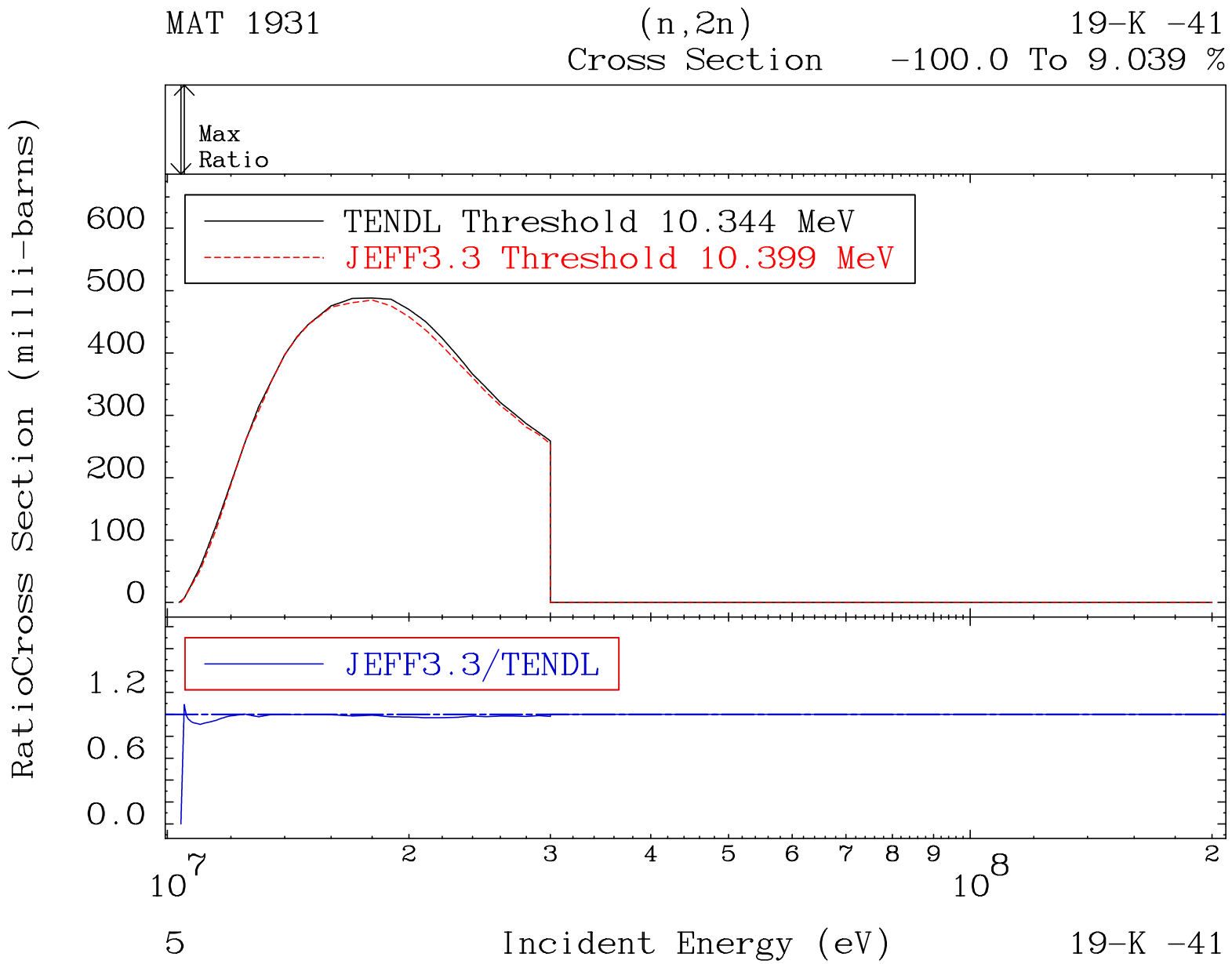
Press Mouse Button to Start

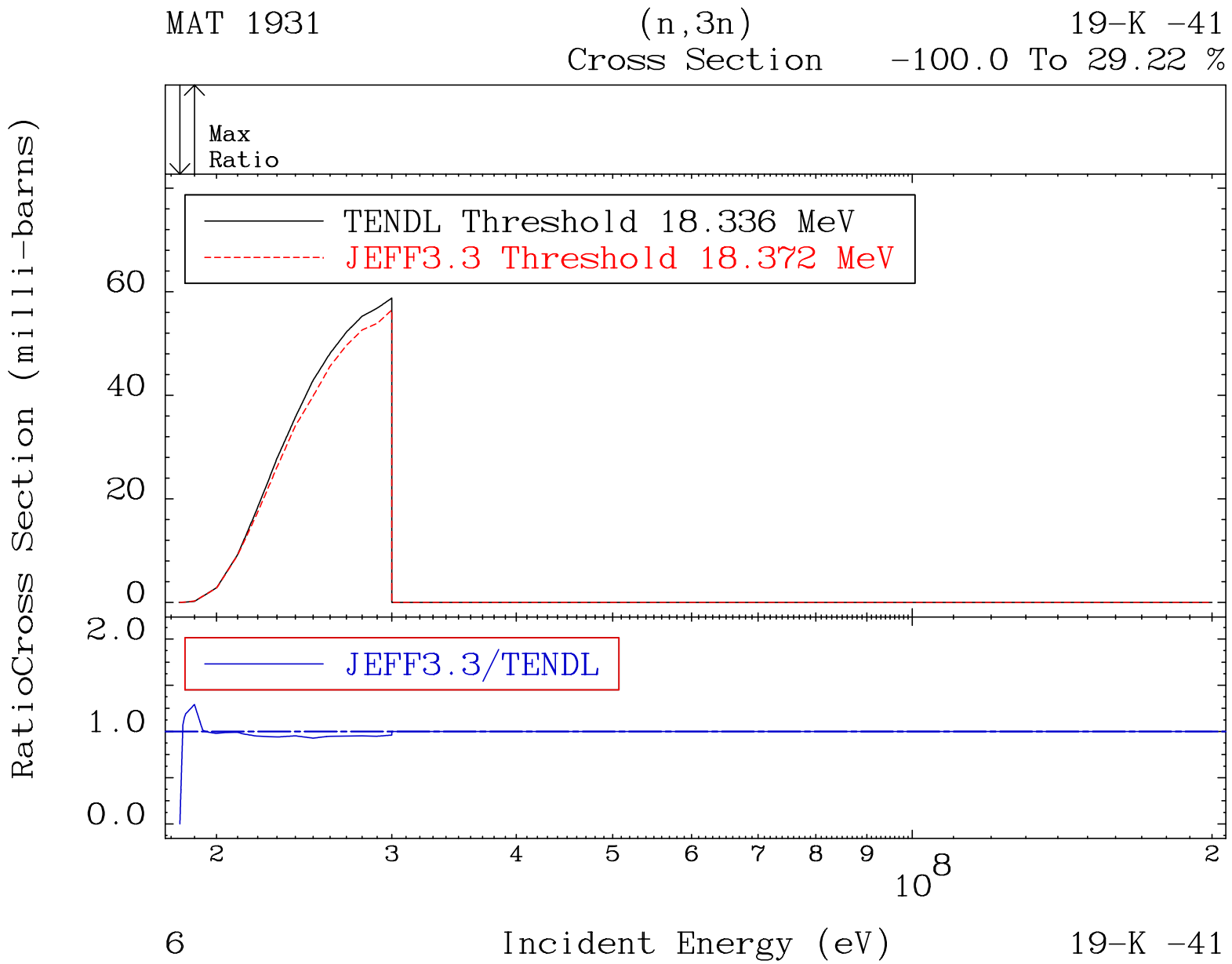

MAT 1931
Total
Cross Section
19-K -41
-99.89 To 7341. %
Min
Ratio
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
19-K -41

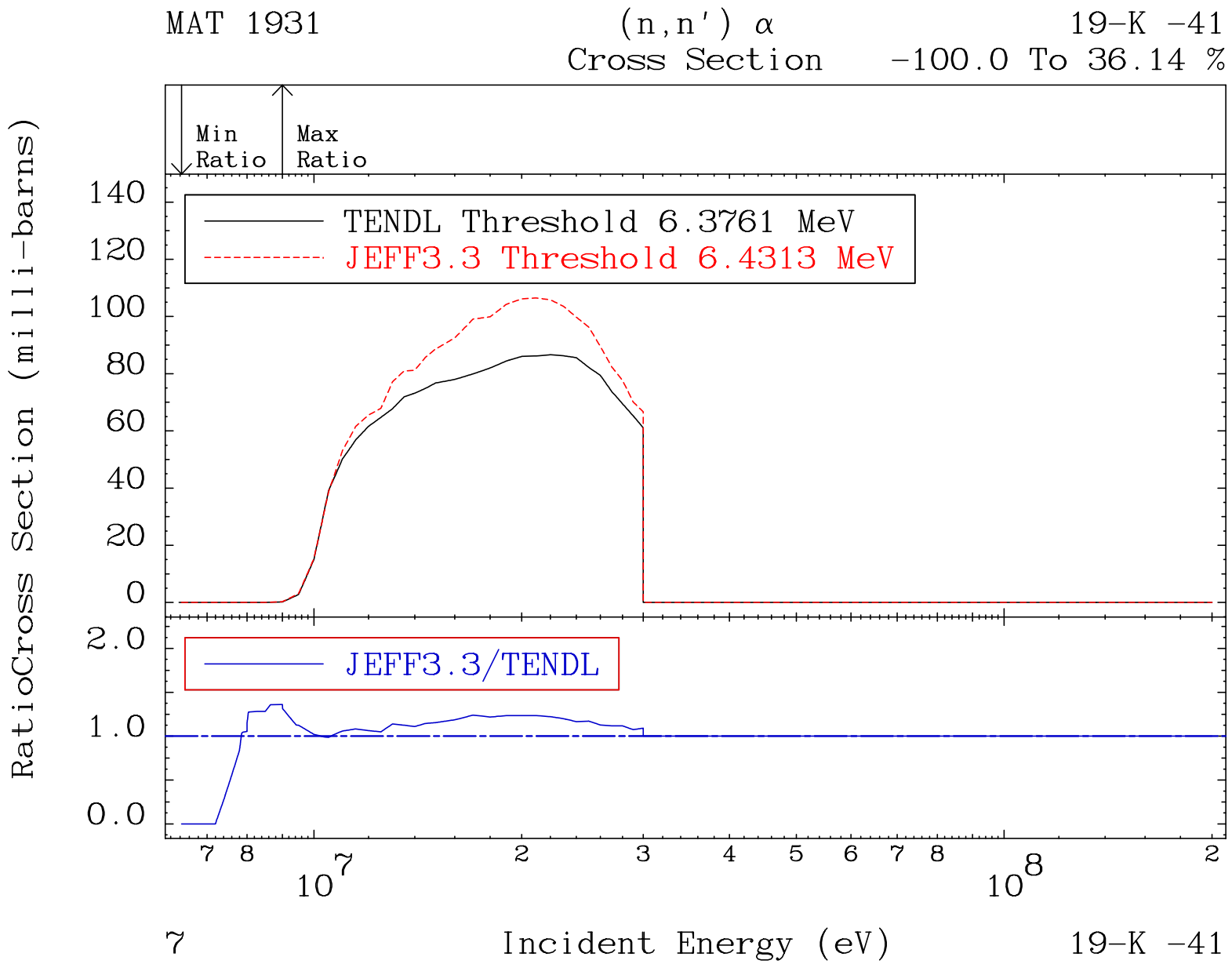

MAT 1931
Elastic
Cross Section
19-K -41
-99.92 To 4981. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
19-K -41

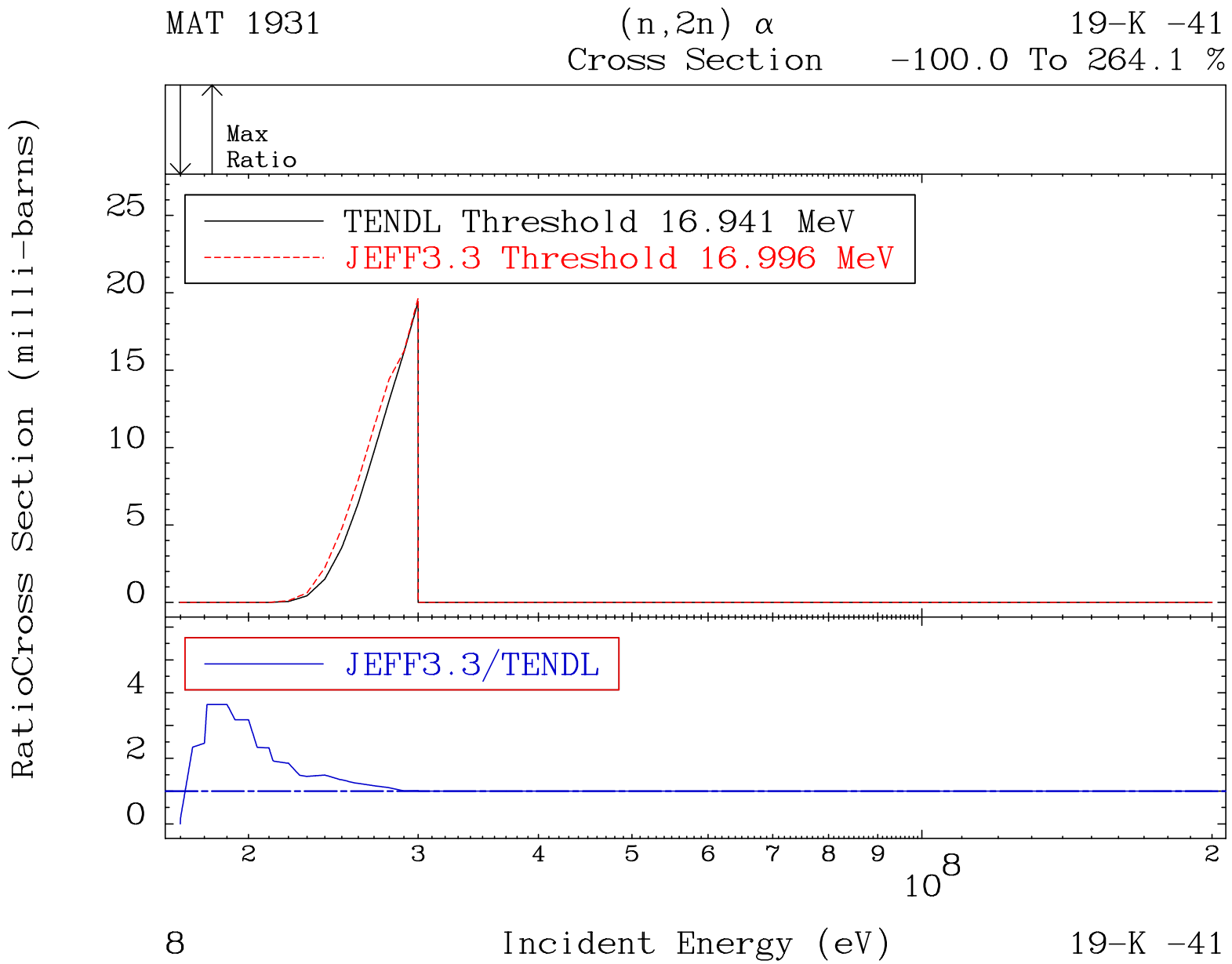

MAT 1931
Inelastic
Cross Section
19-K -41
-0.534 To 3.911 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.0046 MeV
JEFF3.3 Threshold 1.0046 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
JEFF3.3/TENDL
Ratio
1.06
1.04
1.02
1.00
10^6
10^7
10^8
Incident Energy (eV)
3
19-K -41

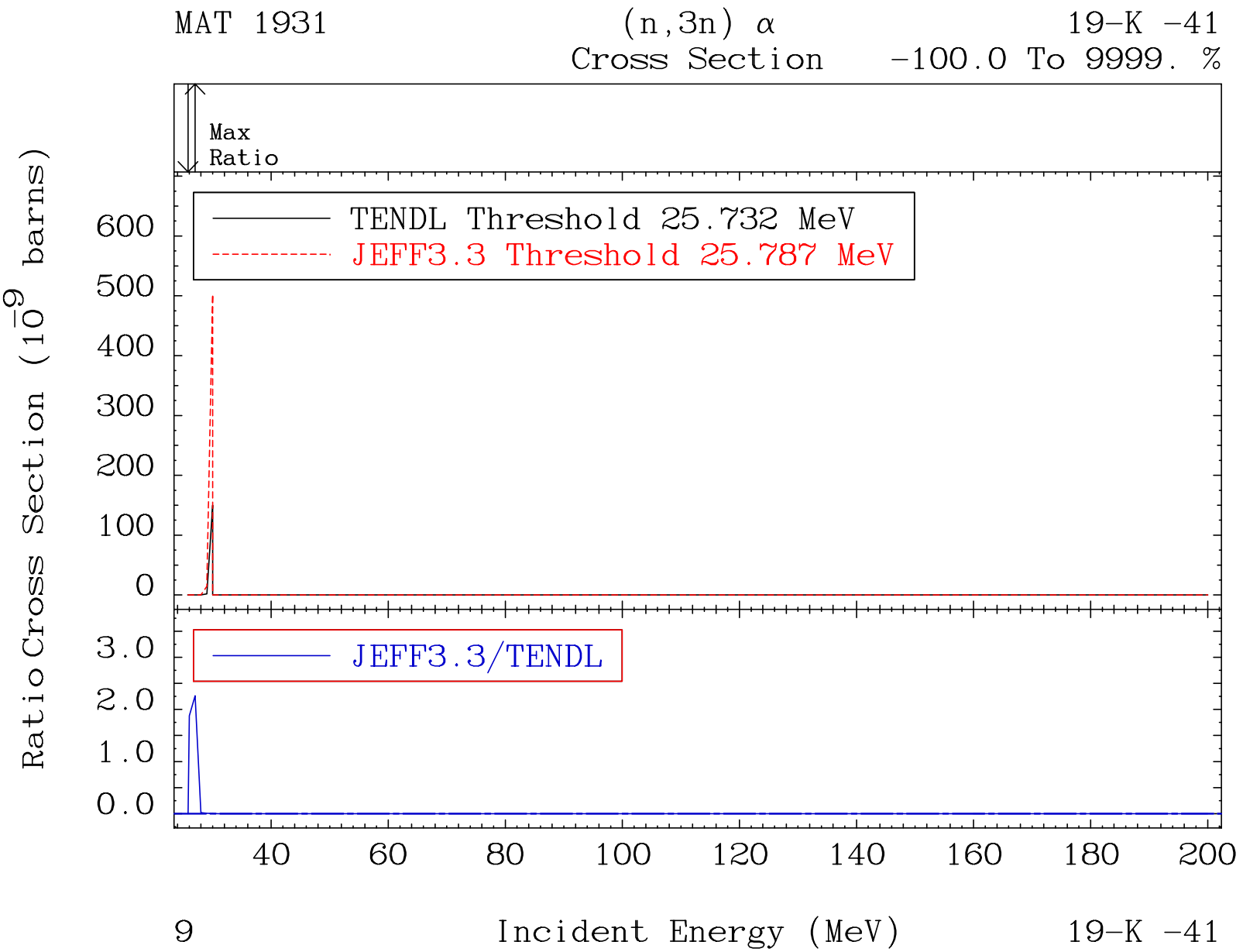

MAT 1931
(n,2n) d
Cross Section
19-K -41
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 22.595 MeV
JEFF3.3 Threshold 22.650 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
200
100
0
40
60
80
100
120
140
160
180
200
Incident Energy (MeV)
4
19-K -41

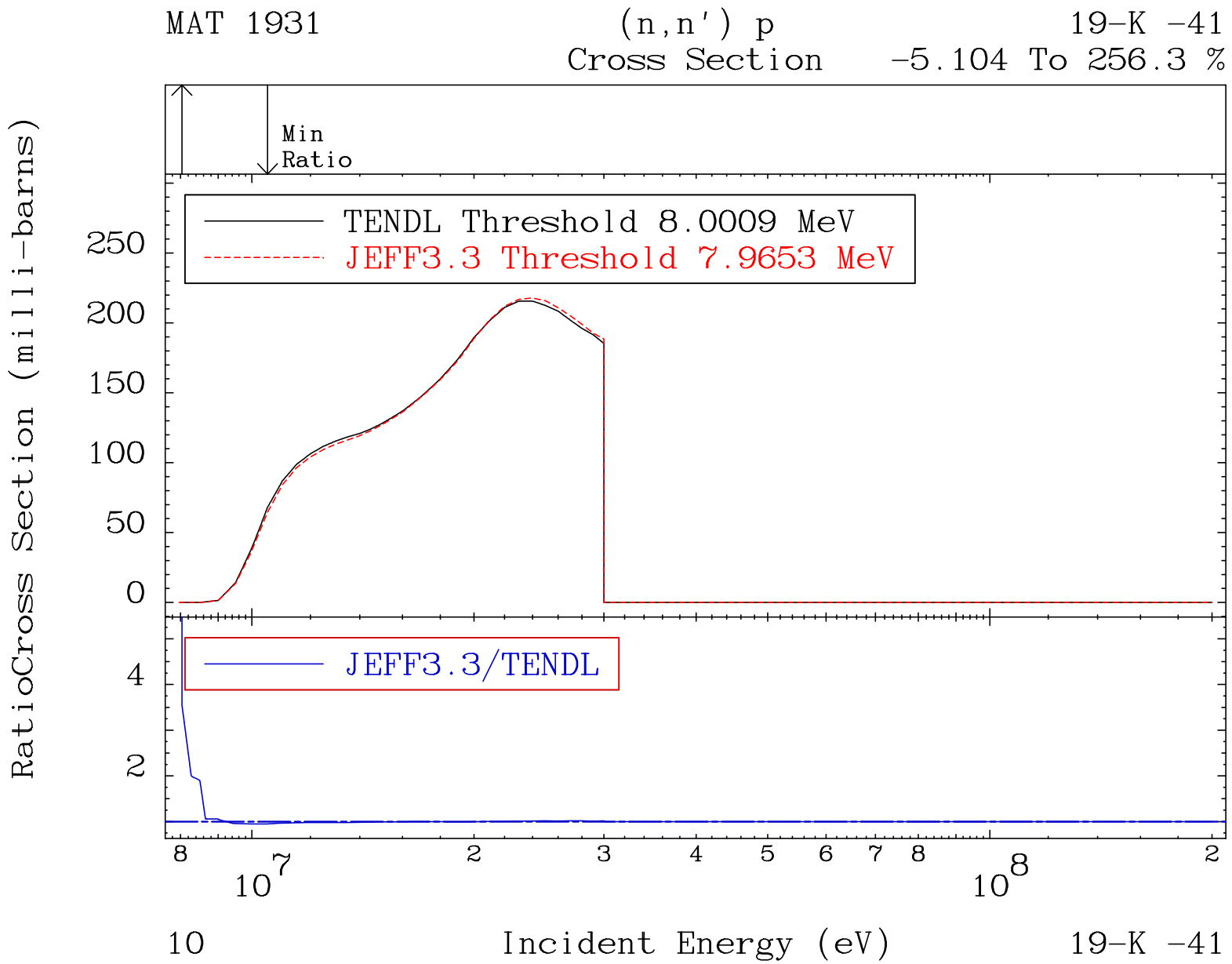

MAT 1931
(n,2n)
Cross Section
19-K -41
-100.0 To 9.039 %
Max
Ratio
TENDL Threshold 10.344 MeV
JEFF3.3 Threshold 10.399 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
1.2
0.6
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
19-K -41

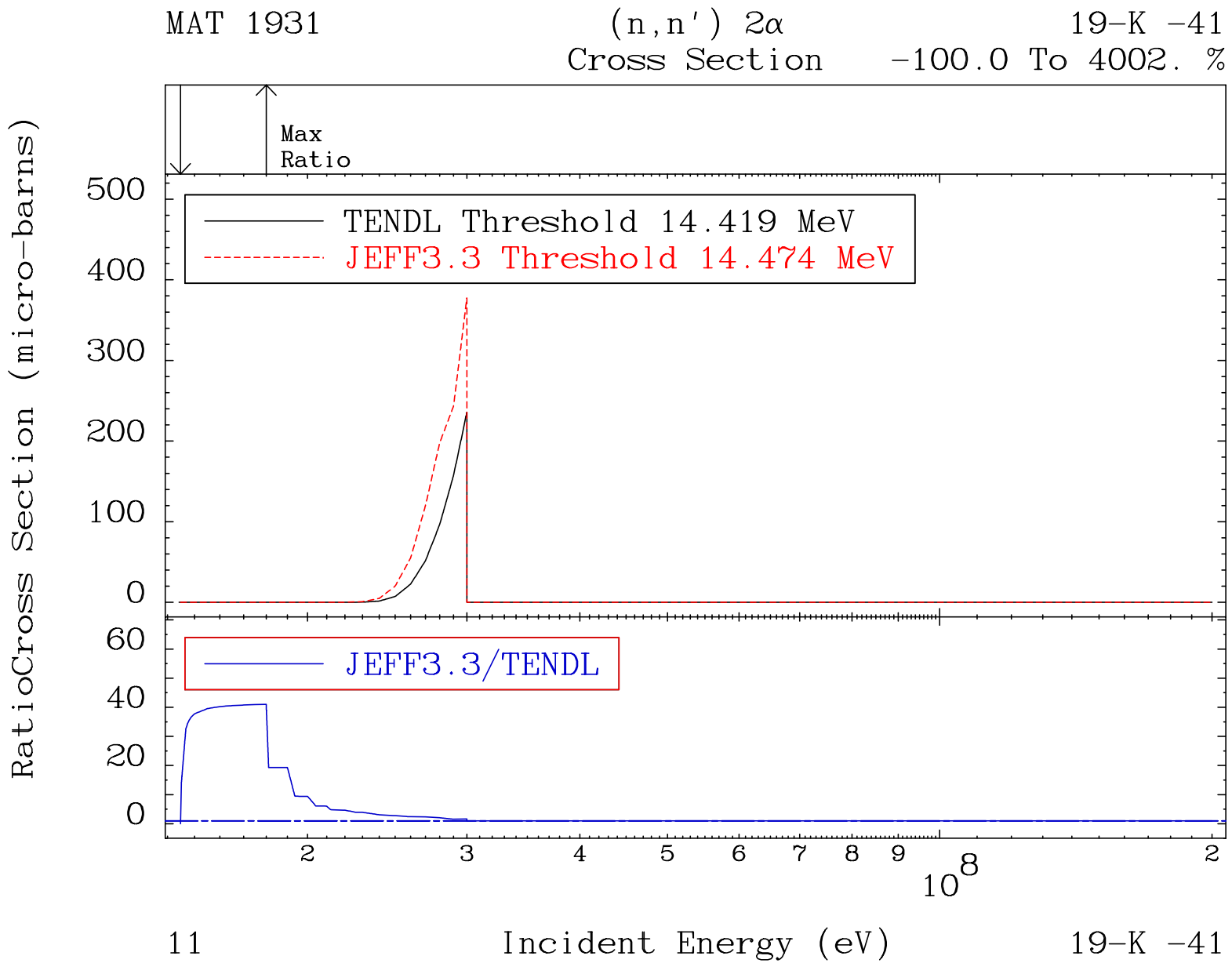

MAT 1931
(n,3n)
Cross Section
19-K -41
-100.0 To 29.22 %
Max
Ratio
TENDL Threshold 18.336 MeV
JEFF3.3 Threshold 18.372 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
40
20
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
19-K -41

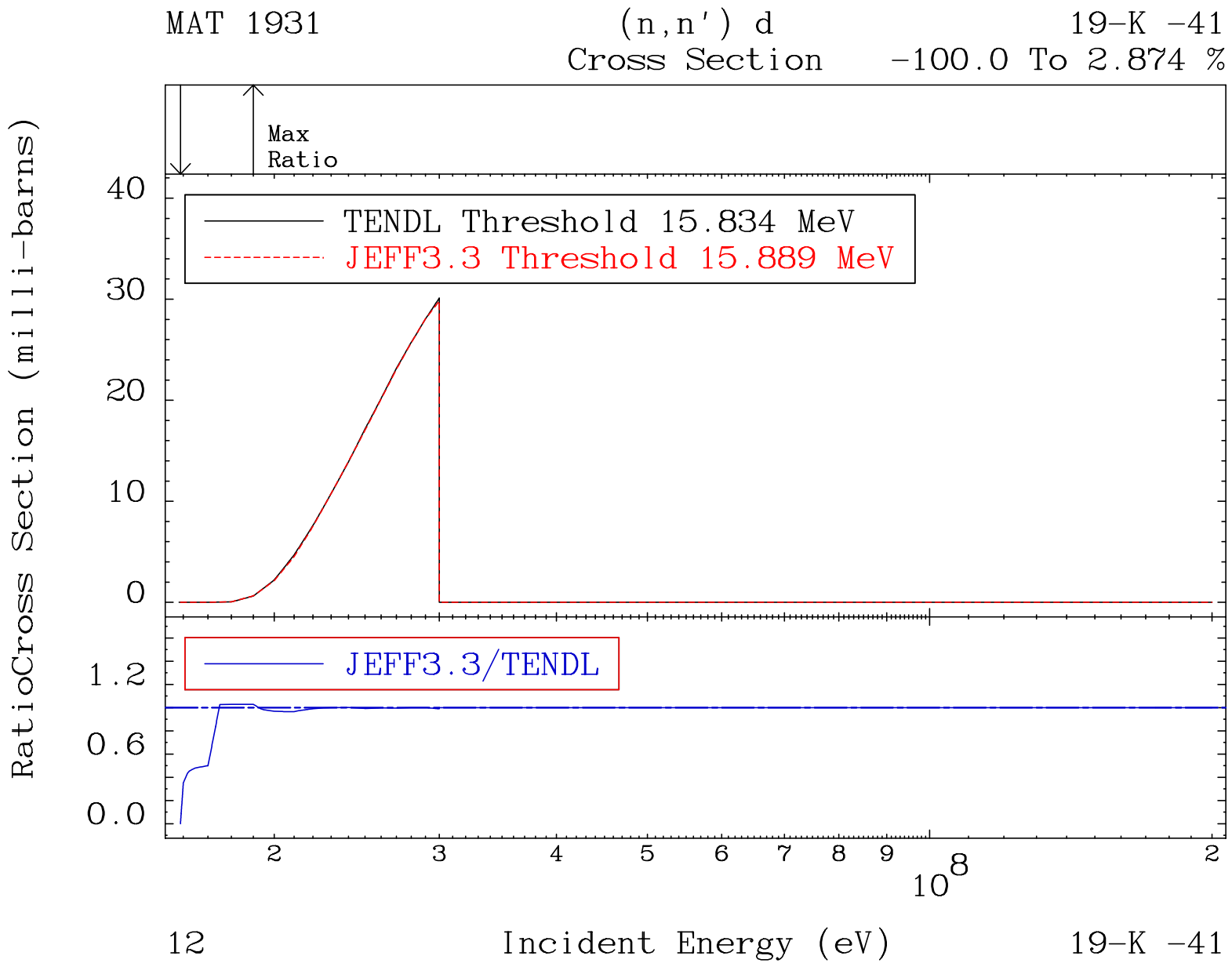

MAT 1931
(n,n') α
Cross Section
19-K -41
-100.0 To 36.14 %
Min Ratio
Max Ratio
TENDL Threshold 6.3761 MeV
JEFF3.3 Threshold 6.4313 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
2.0
1.0
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
7
Incident Energy (eV)
19-K -41

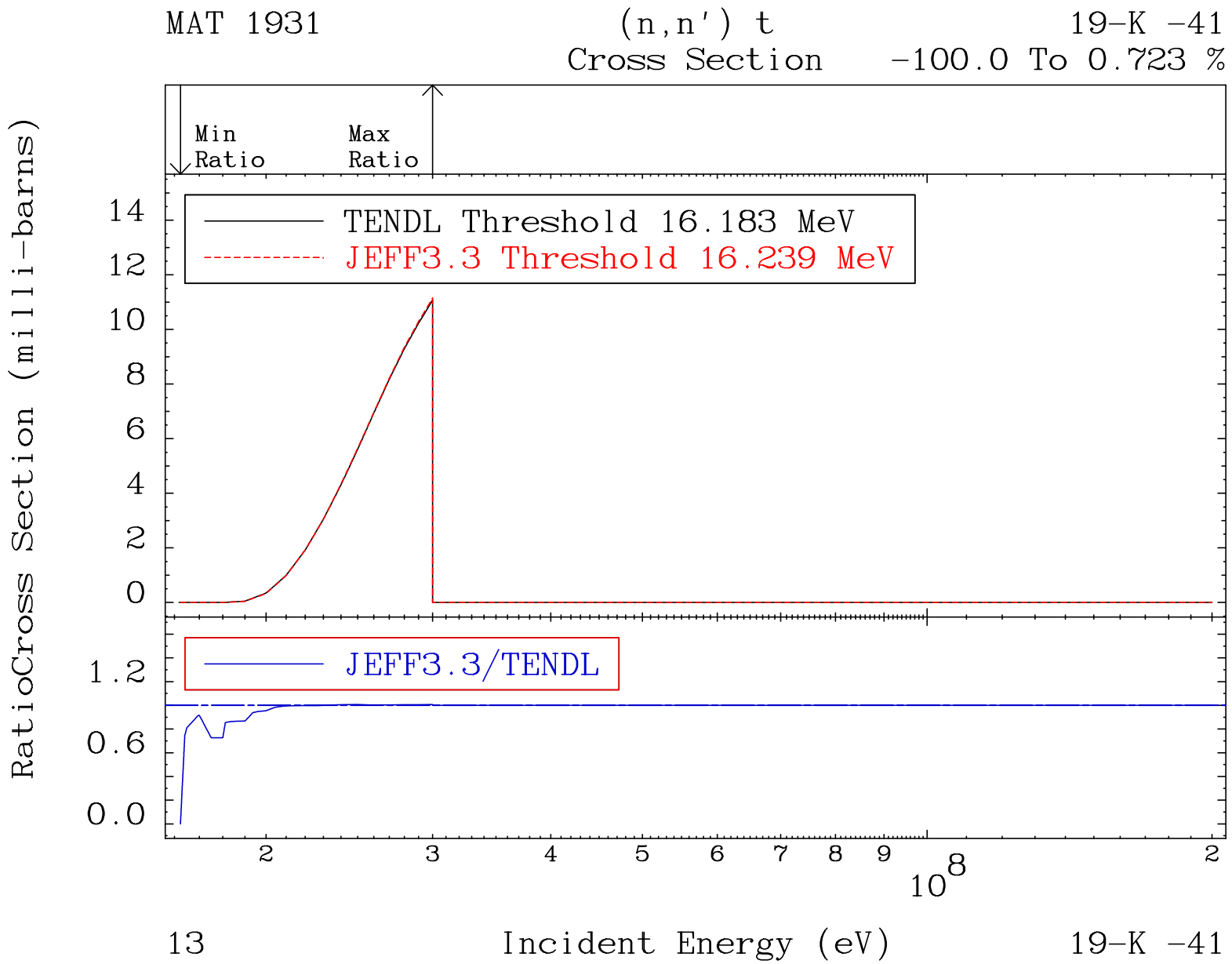

MAT 1931
(n,2n) α
Cross Section
19-K -41
-100.0 To 264.1 %
Max
Ratio
TENDL Threshold 16.941 MeV
JEFF3.3 Threshold 16.996 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
19-K -41

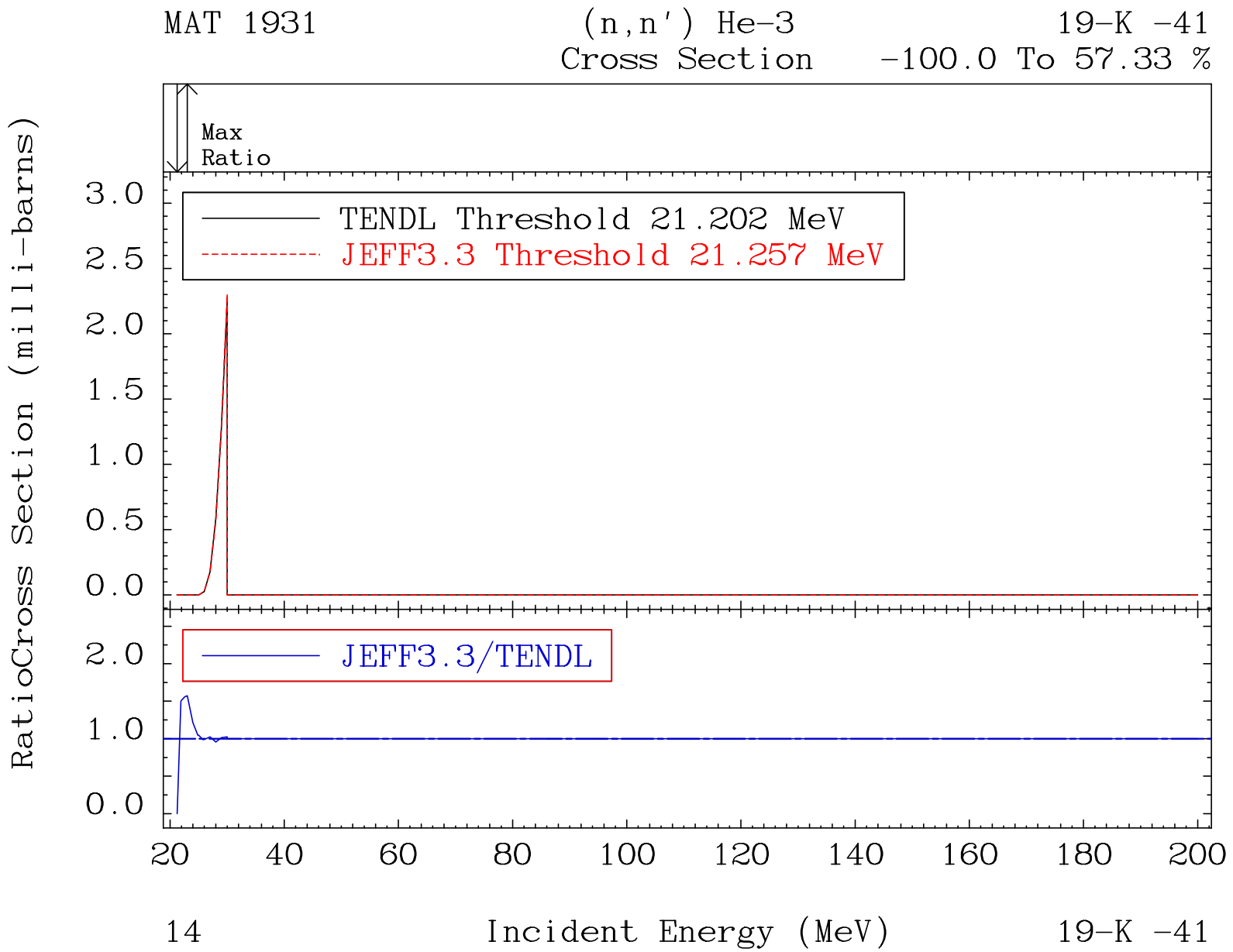

MAT 1931
(n,3n) α
Cross Section
19-K -41
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 25.732 MeV
JEFF3.3 Threshold 25.787 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
600
500
400
300
200
100
0
3.0
2.0
1.0
0.0
40
60
80
100
120
140
160
180
200
9
Incident Energy (MeV)
19-K -41

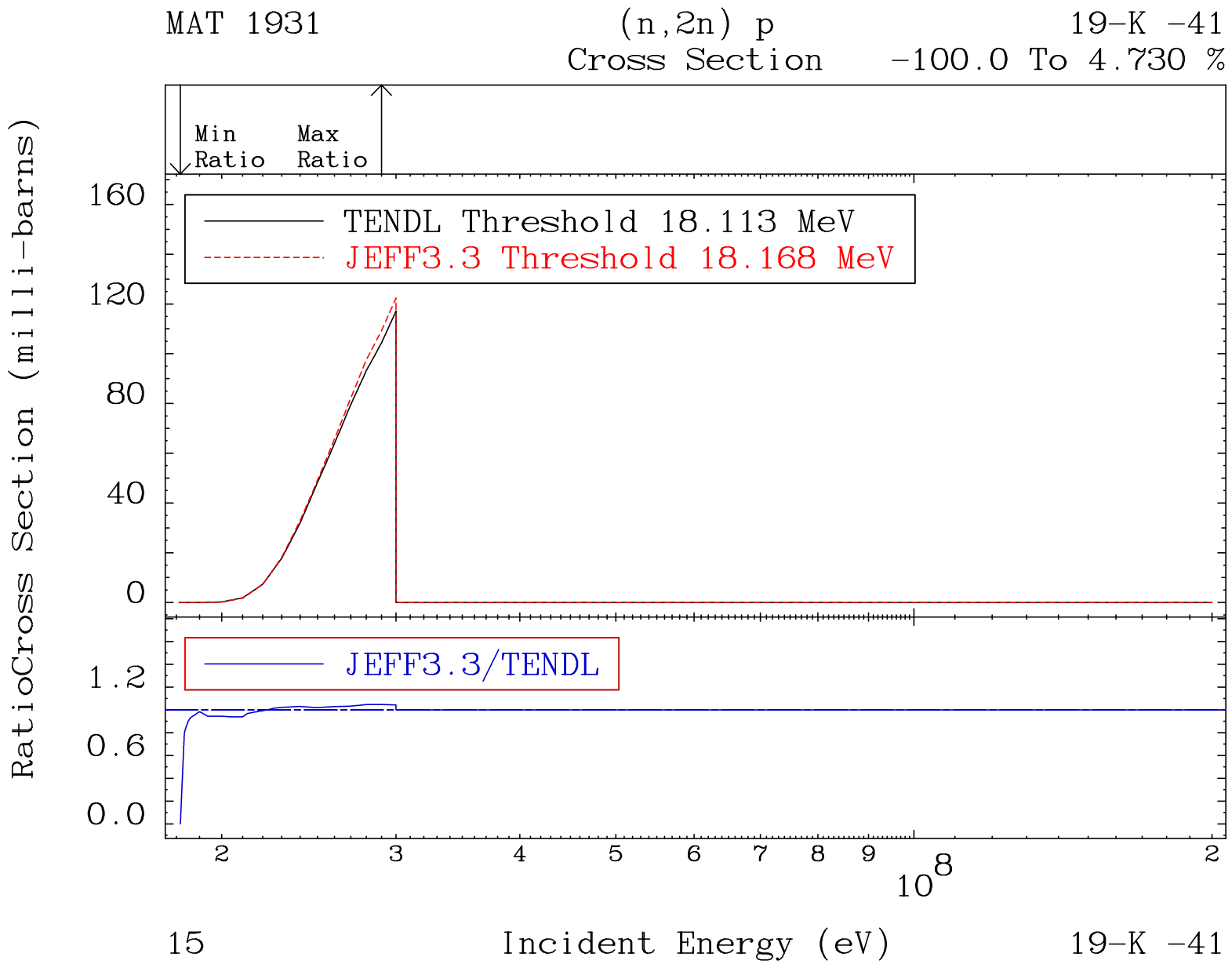

MAT 1931
(n,n') p
Cross Section
19-K -41
-5.104 To 256.3 %
Min
Ratio
TENDL Threshold 8.0009 MeV
JEFF3.3 Threshold 7.9653 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
4
2
8
2
3
4
5
6
7
8
2
10^7
10^8
10
Incident Energy (eV)
19-K -41

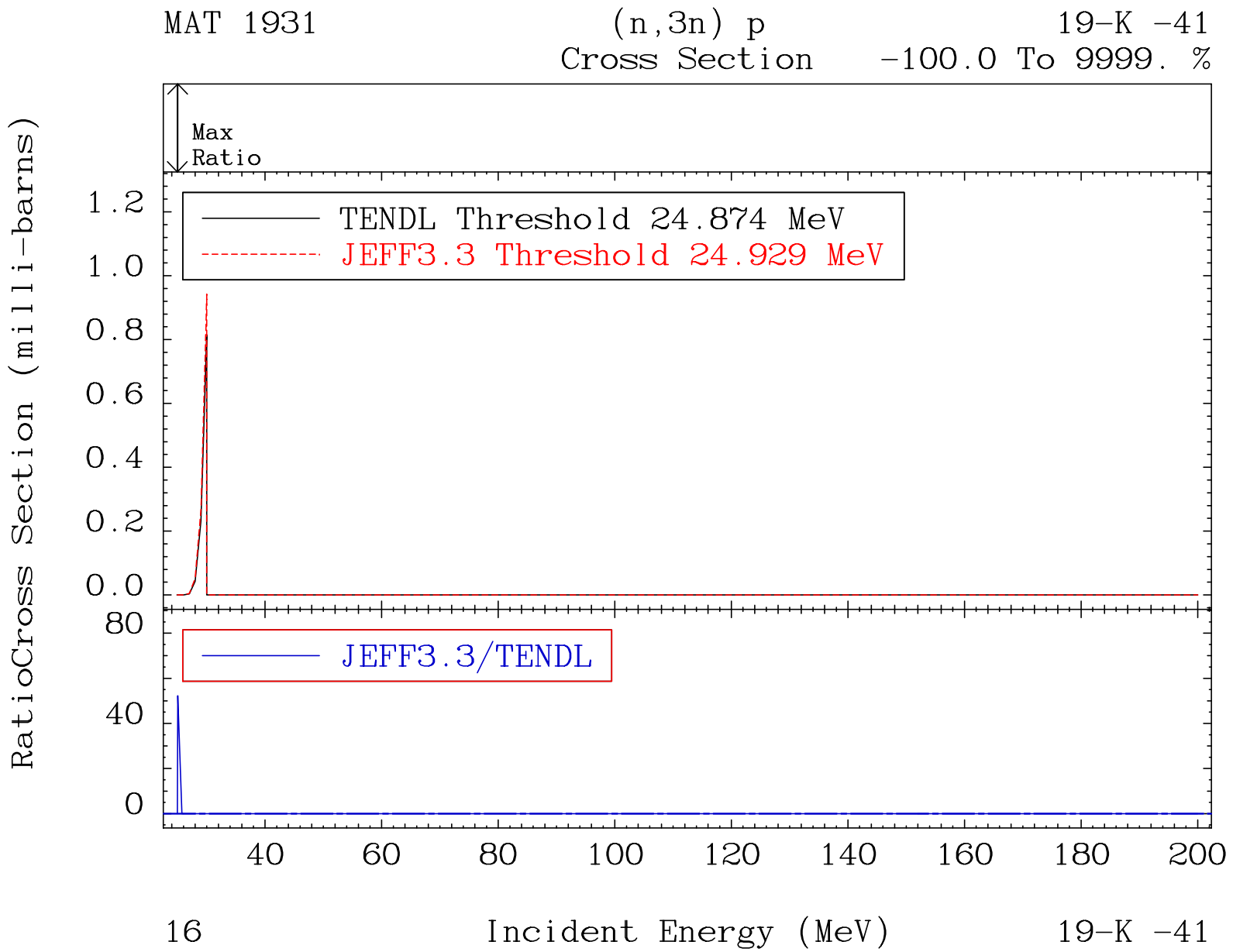

MAT 1931
(n,n') 2α
19-K -41
Cross Section
-100.0 To 4002. %
Max
Ratio
TENDL Threshold 14.419 MeV
JEFF3.3 Threshold 14.474 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
500
400
300
200
100
0
60
40
20
0
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
19-K -41

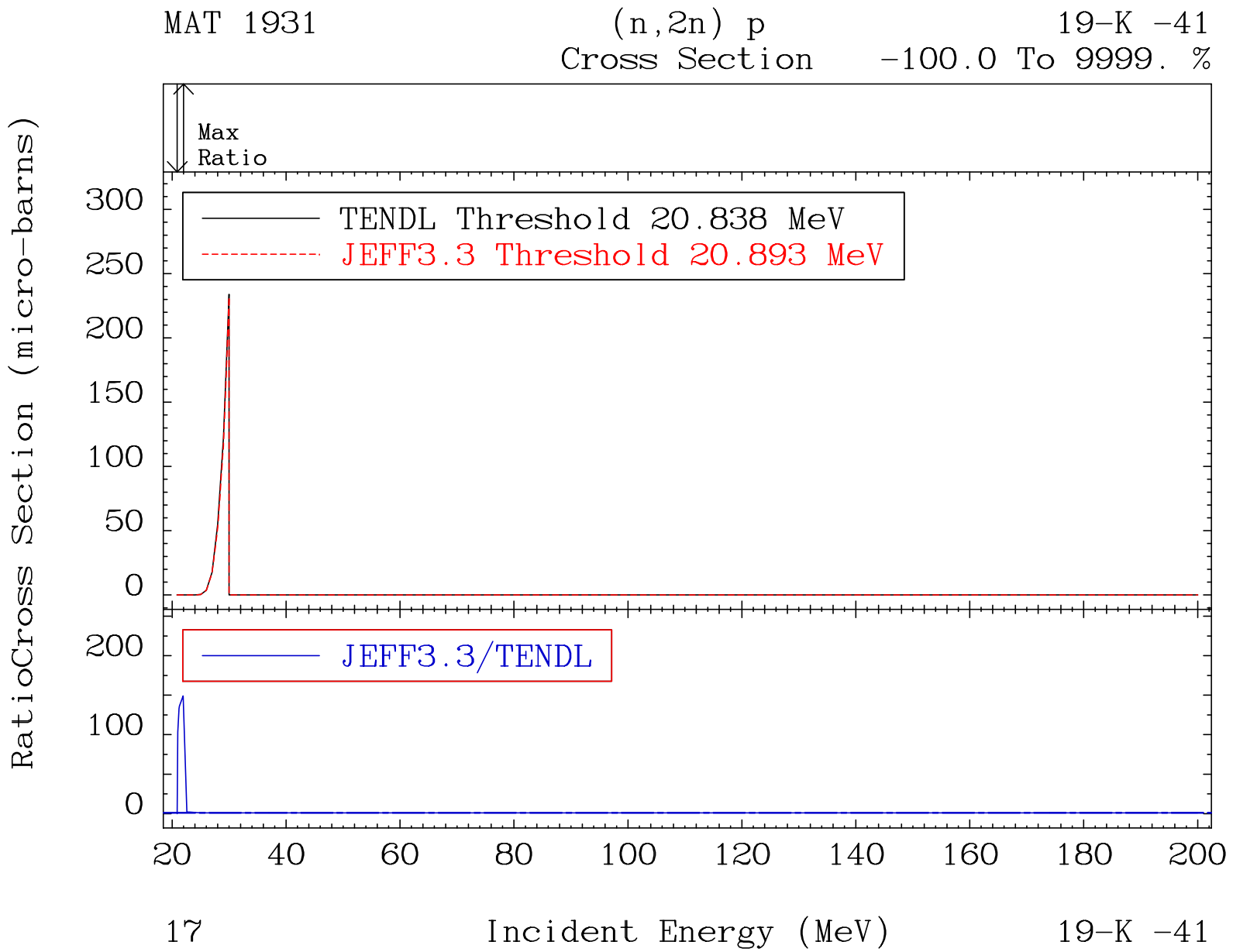

MAT 1931
(n,n') d
Cross Section
19-K -41
-100.0 To 2.874 %
Max
Ratio
TENDL Threshold 15.834 MeV
JEFF3.3 Threshold 15.889 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
19-K -41

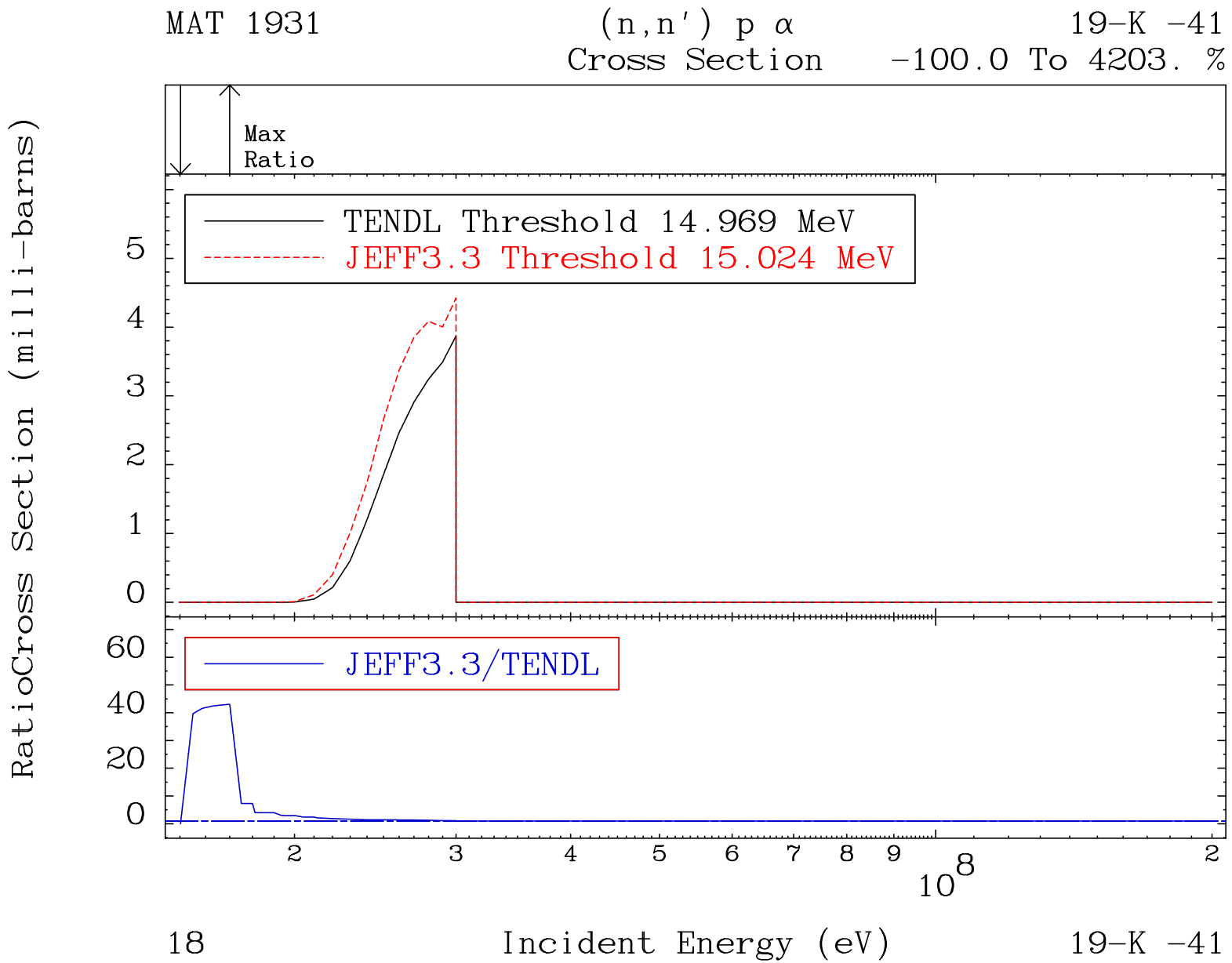

MAT 1931
(n,n') t
Cross Section
19-K -41
-100.0 To 0.723 %
Min Ratio
Max Ratio
TENDL Threshold 16.183 MeV
JEFF3.3 Threshold 16.239 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
14
12
10
8
6
4
2
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
19-K -41

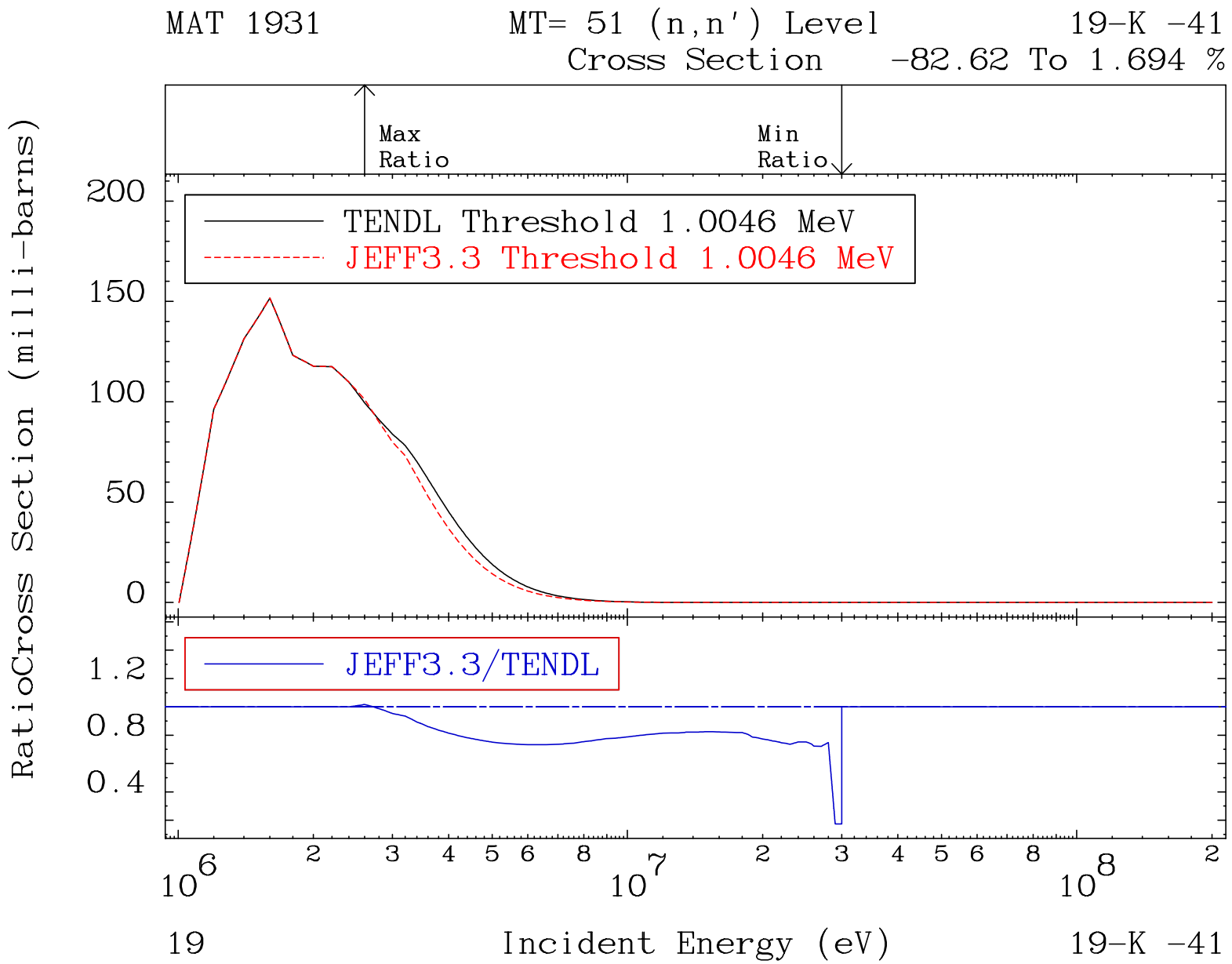

MAT 1931
(n,n') He-3
Cross Section
19-K -41
-100.0 To 57.33 %
Max
Ratio
TENDL Threshold 21.202 MeV
JEFF3.3 Threshold 21.257 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
2.0
1.0
0.0
20
40
60
80
100
120
140
160
180
200
14
Incident Energy (MeV)
19-K -41

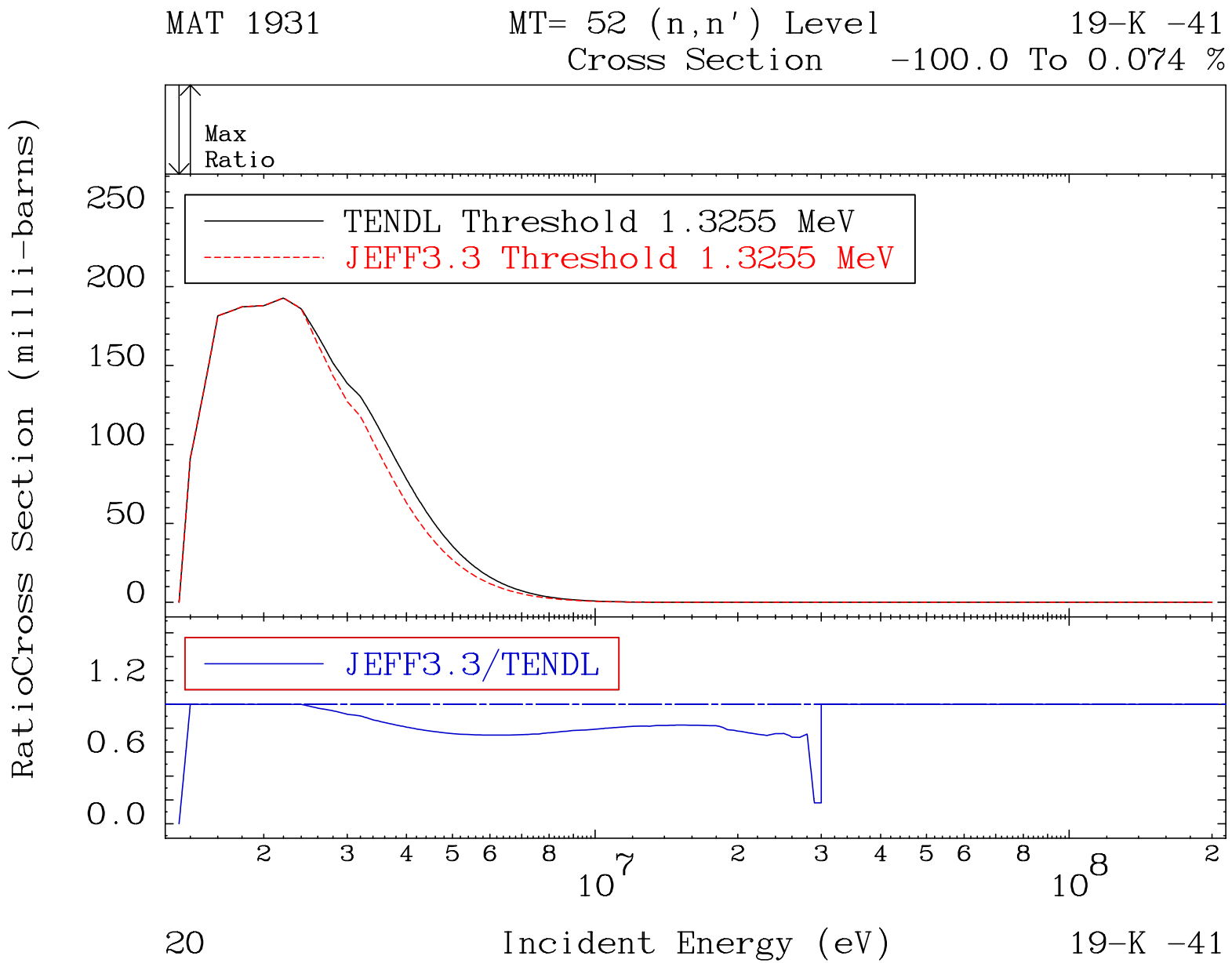

MAT 1931
(n,2n) p
Cross Section
19-K -41
-100.0 To 4.730 %
Min Ratio
Max Ratio
TENDL Threshold 18.113 MeV
JEFF3.3 Threshold 18.168 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
15
Incident Energy (eV)
19-K -41

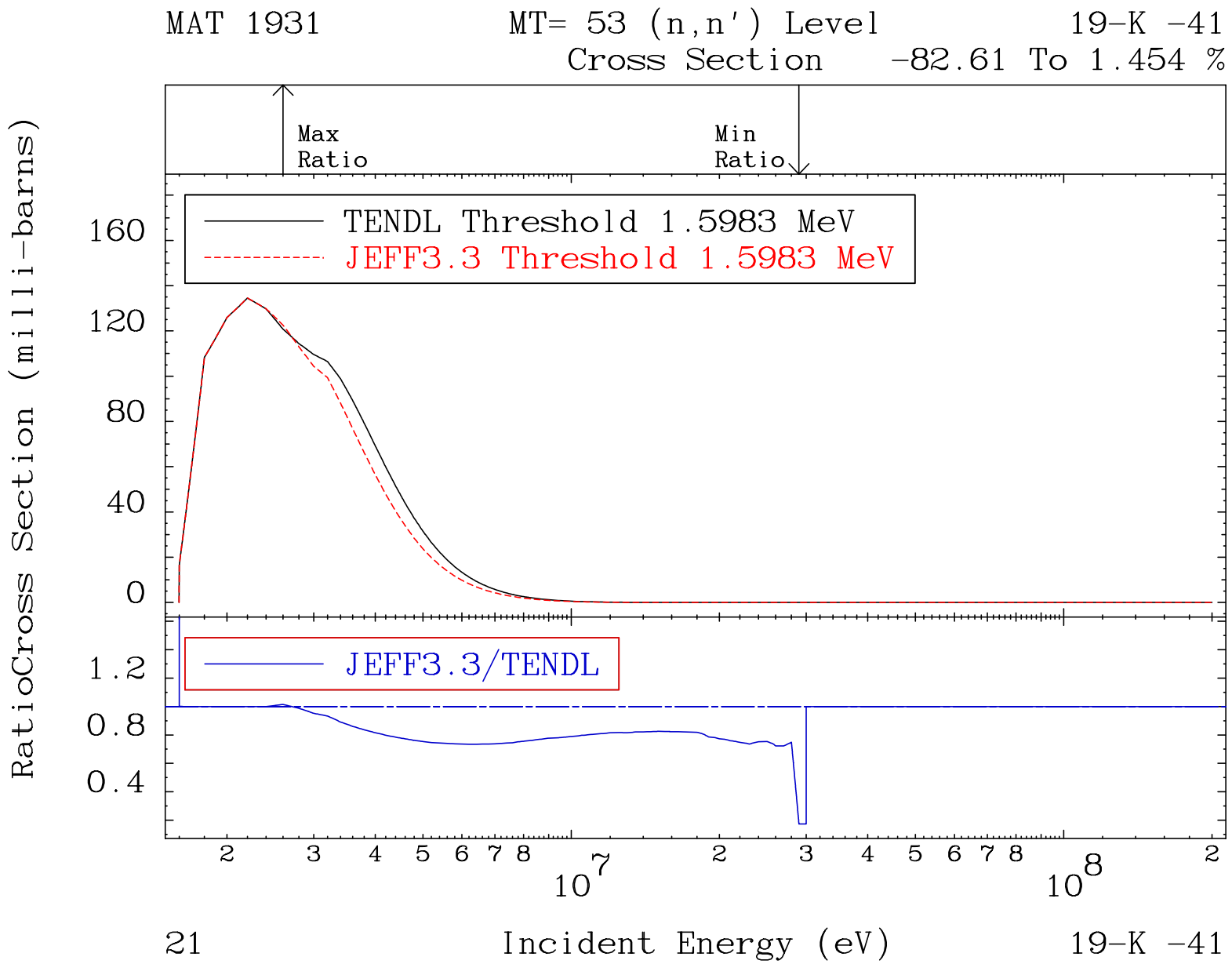

MAT 1931
(n,3n) p
Cross Section
19-K -41
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 24.874 MeV
JEFF3.3 Threshold 24.929 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
80
40
0
40
60
80
100
120
140
160
180
200
16
Incident Energy (MeV)
19-K -41

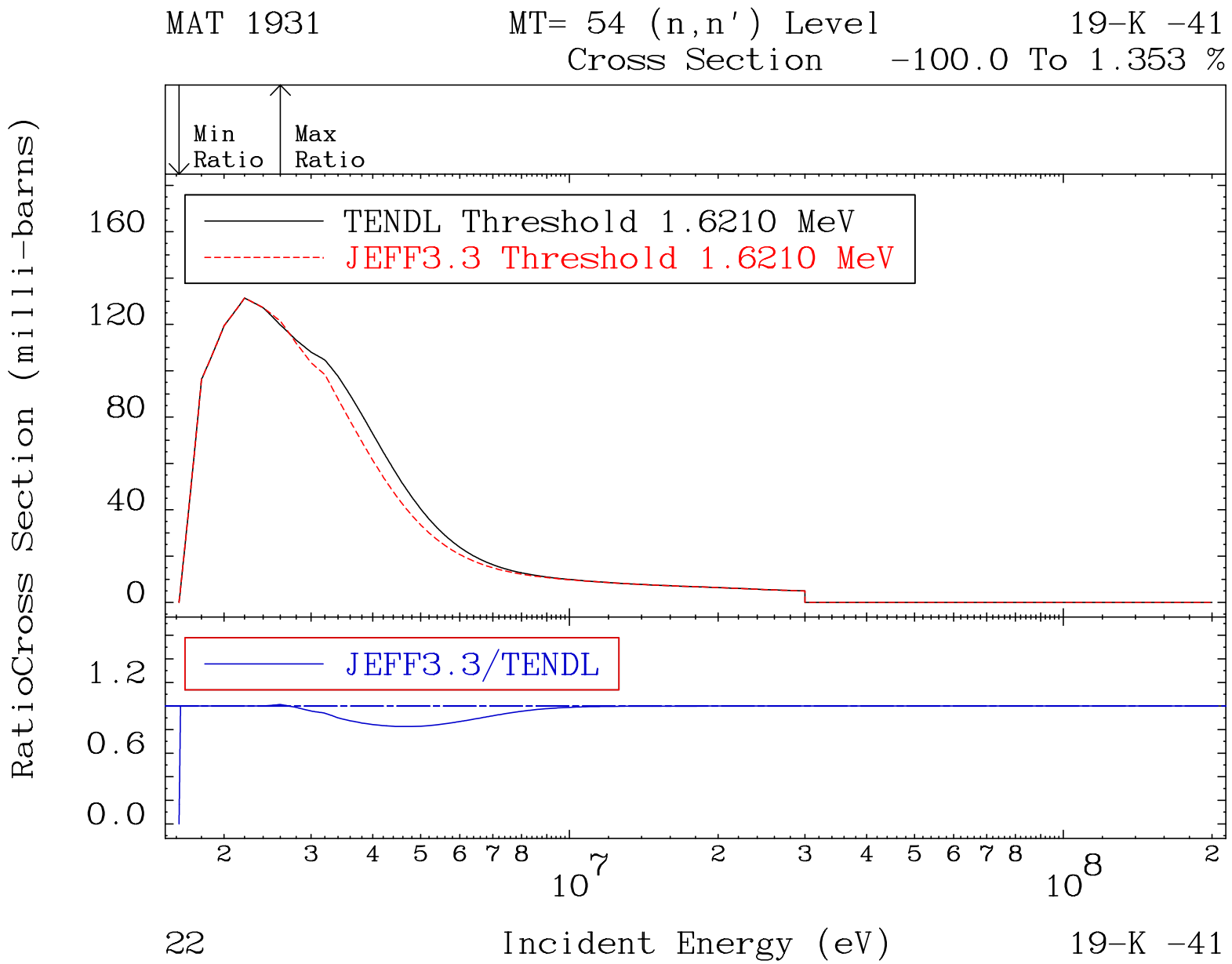

MAT 1931
(n,2n) p
Cross Section
19-K -41
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 20.838 MeV
JEFF3.3 Threshold 20.893 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
300
250
200
150
100
50
0
200
100
0
20
40
60
80
100
120
140
160
180
200
17
Incident Energy (MeV)
19-K -41

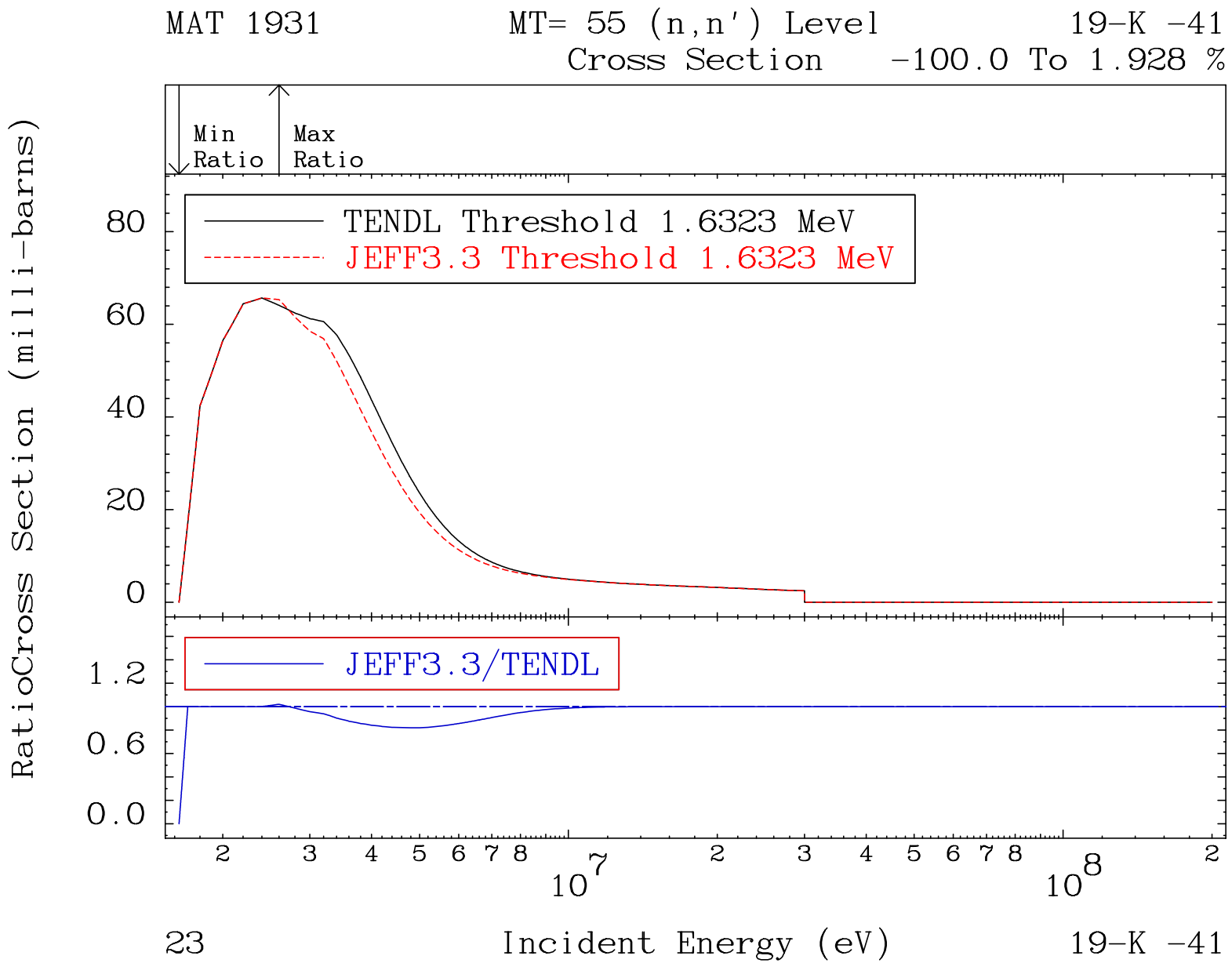

MAT 1931
(n,n') p α
Cross Section
19-K -41
-100.0 To 4203. %
Max
Ratio
TENDL Threshold 14.969 MeV
JEFF3.3 Threshold 15.024 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0
1
2
3
4
5
0
20
40
60
2
3
4
5
6
7
8
9
10^8
2
18
Incident Energy (eV)
19-K -41

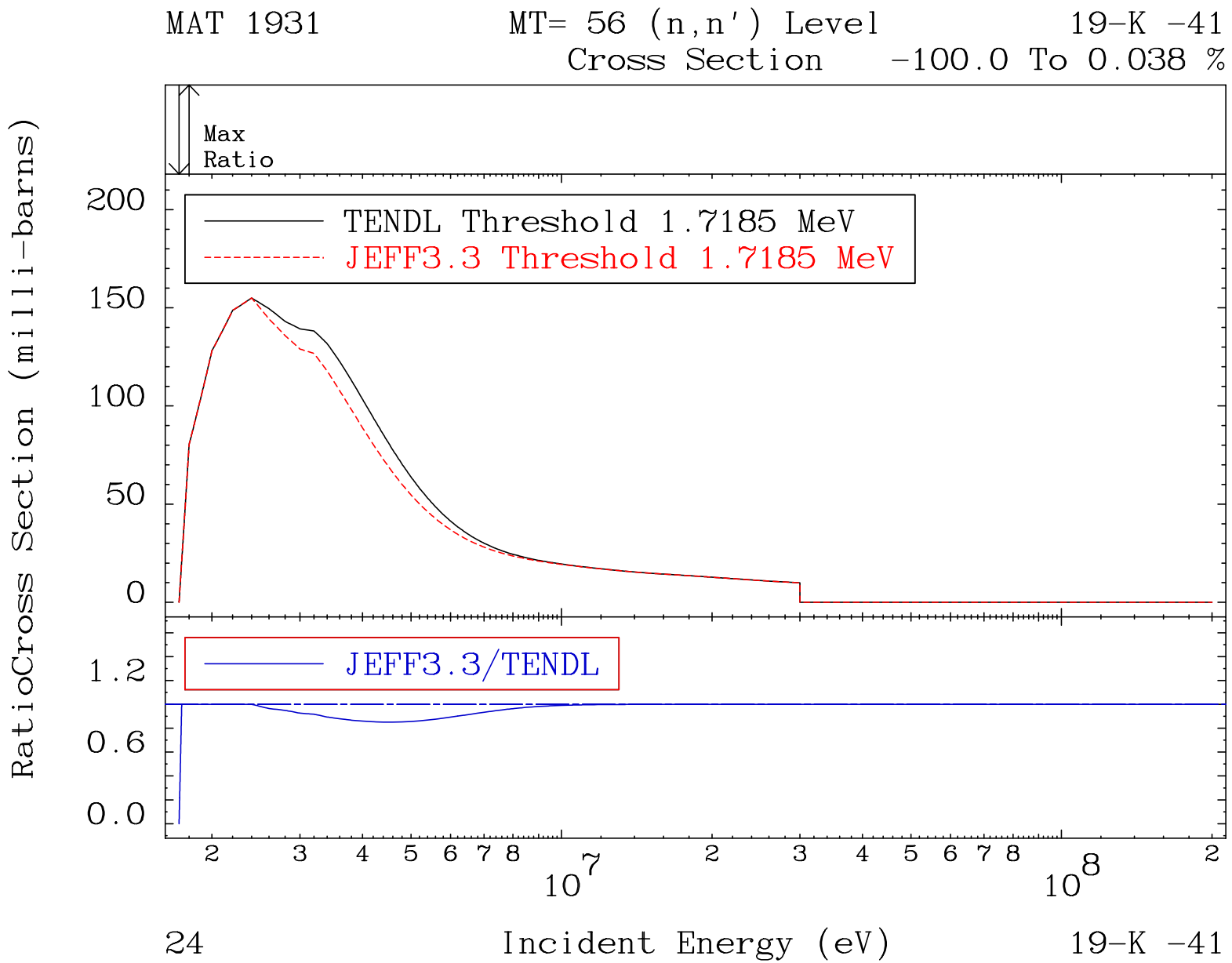

MAT 1931
MT= 51 (n,n') Level
19-K -41
Cross Section -82.62 To 1.694 %
Max Ratio
Min Ratio
TENDL Threshold 1.0046 MeV
JEFF3.3 Threshold 1.0046 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.2
0.8
0.4
10^6
10^7
10^8
19
Incident Energy (eV)
19-K -41

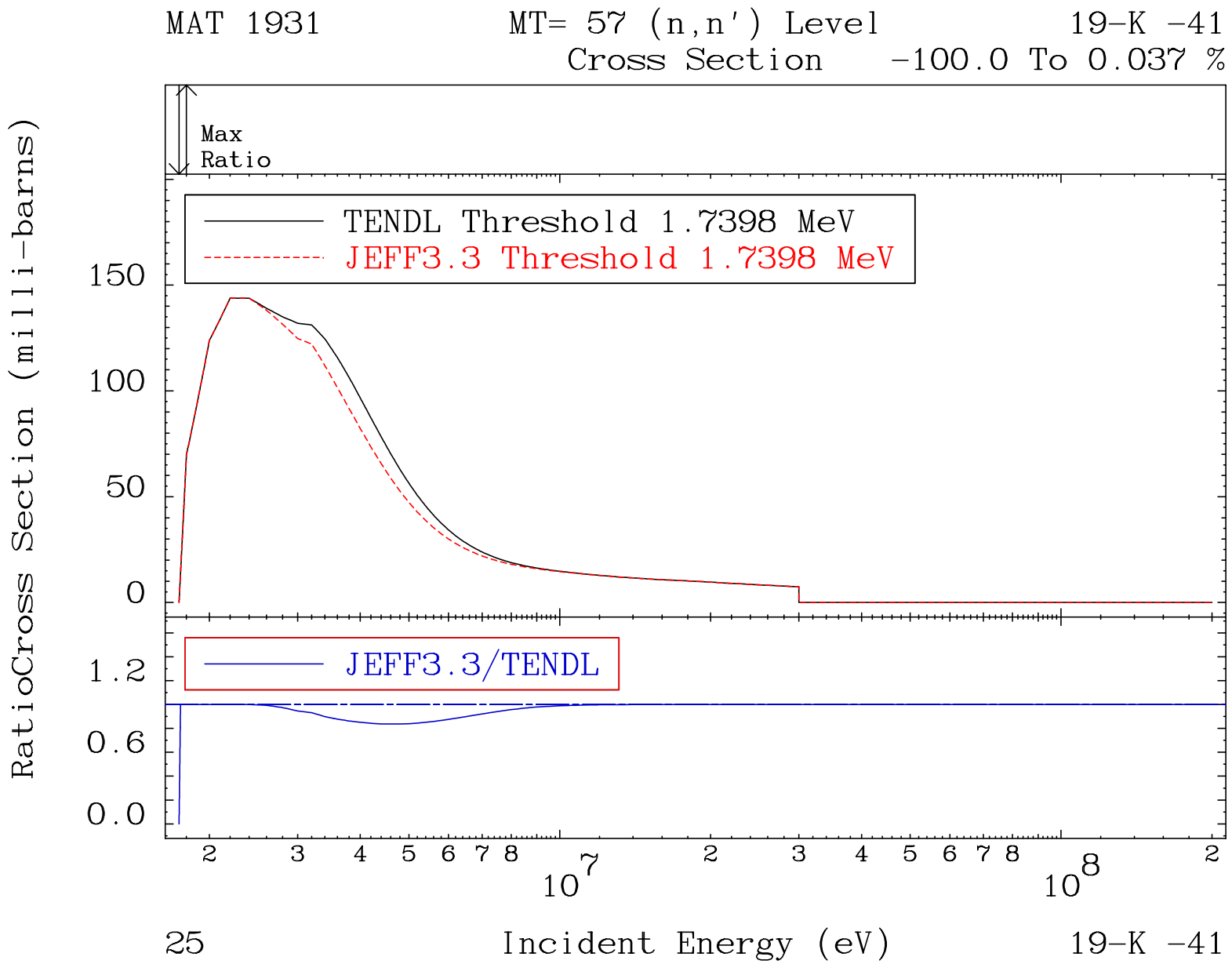

MAT 1931
MT= 52 (n,n') Level
19-K -41
Cross Section -100.0 To 0.074 %
Max
Ratio
TENDL Threshold 1.3255 MeV
JEFF3.3 Threshold 1.3255 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
1.2
0.6
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
20
Incident Energy (eV)
19-K -41

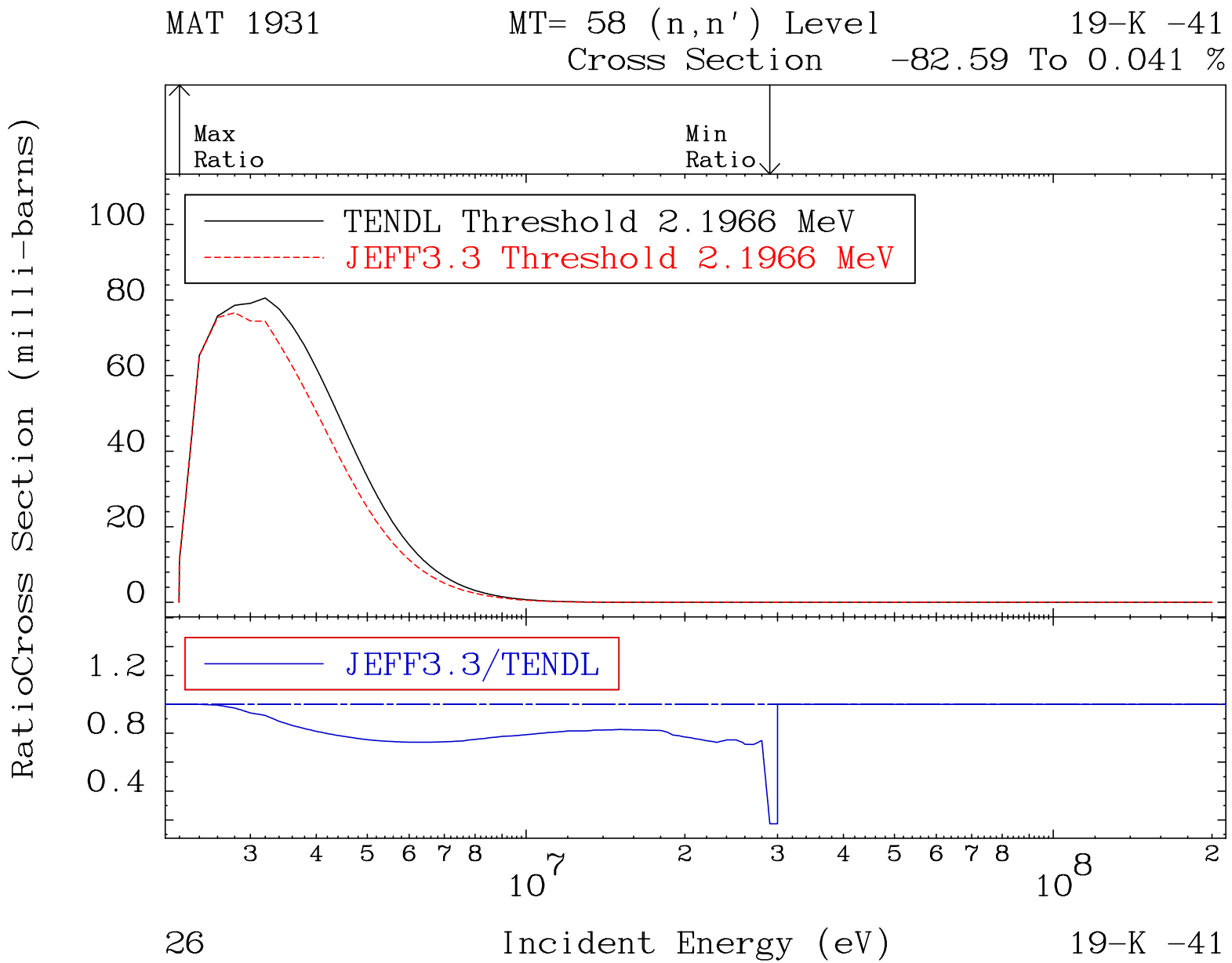

MAT 1931
MT= 53 (n,n') Level
19-K -41
Cross Section -82.61 To 1.454 %
Max Ratio
Min Ratio
TENDL Threshold 1.5983 MeV
JEFF3.3 Threshold 1.5983 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.2
0.8
0.4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
19-K -41

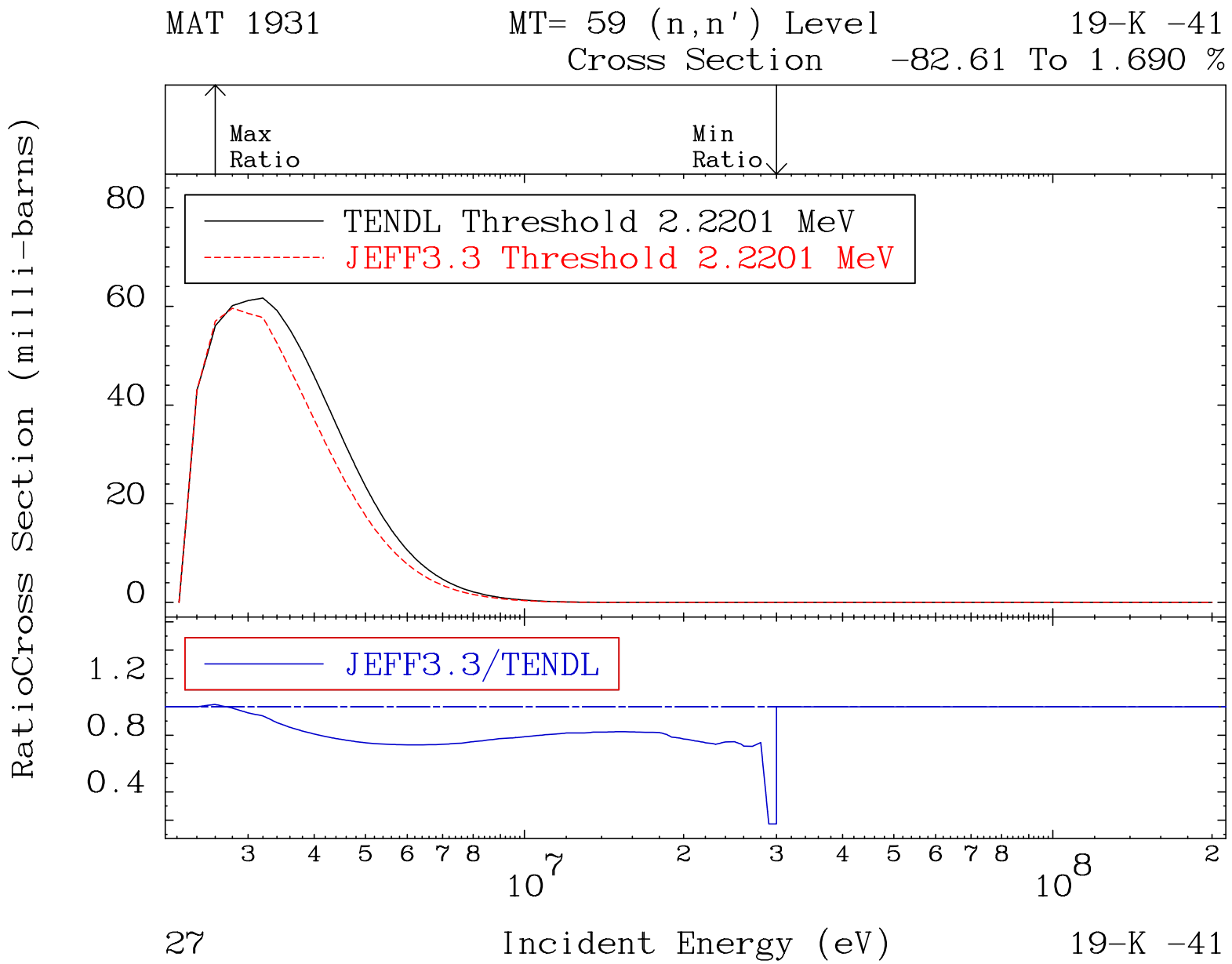

MAT 1931
MT= 54 (n,n') Level
19-K -41
Cross Section -100.0 To 1.353 %
Min Ratio
Max Ratio
TENDL Threshold 1.6210 MeV
JEFF3.3 Threshold 1.6210 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
19-K -41

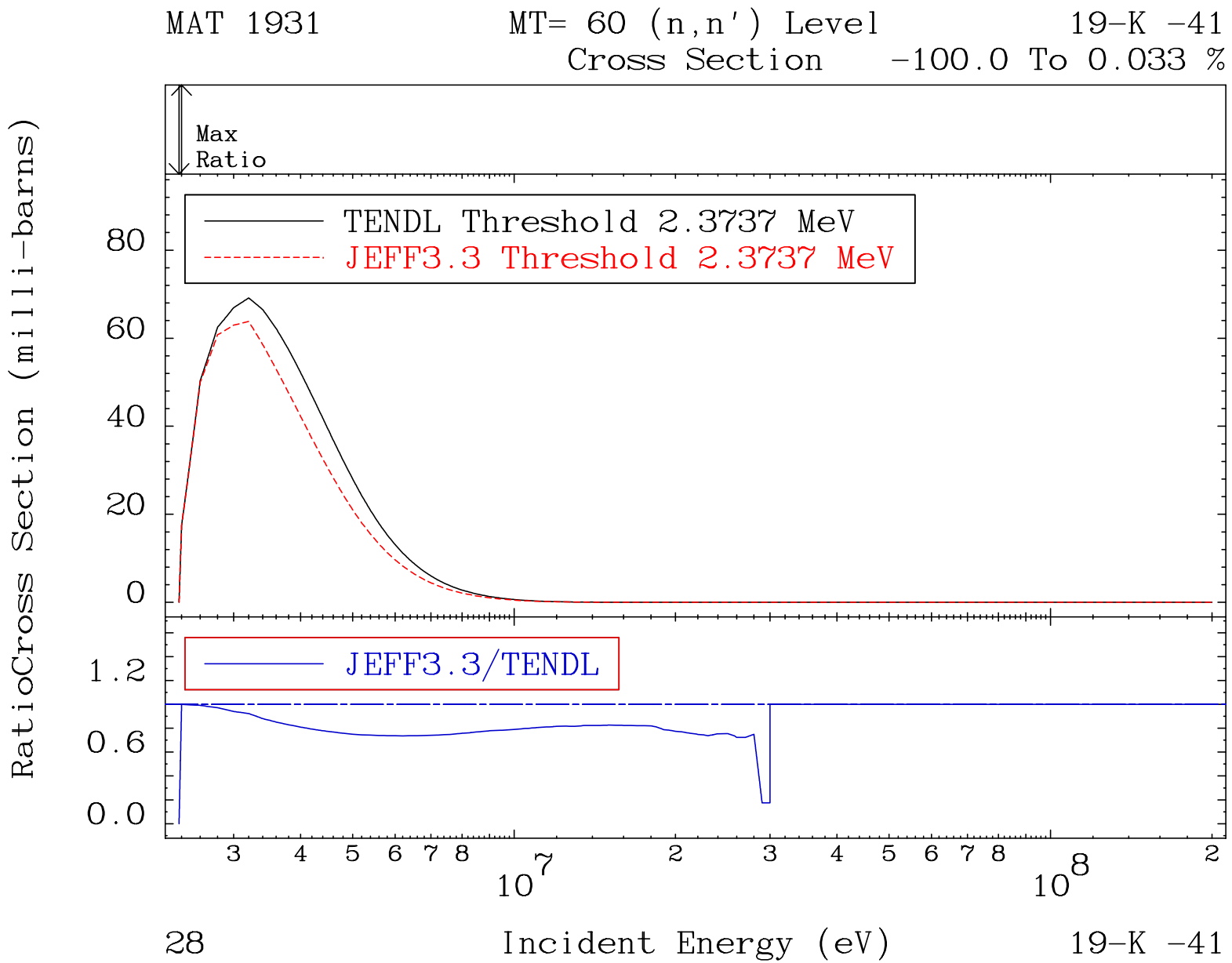

MAT 1931
MT= 55 (n,n') Level
19-K -41
Cross Section -100.0 To 1.928 %
Min Ratio
Max Ratio
TENDL Threshold 1.6323 MeV
JEFF3.3 Threshold 1.6323 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
19-K -41

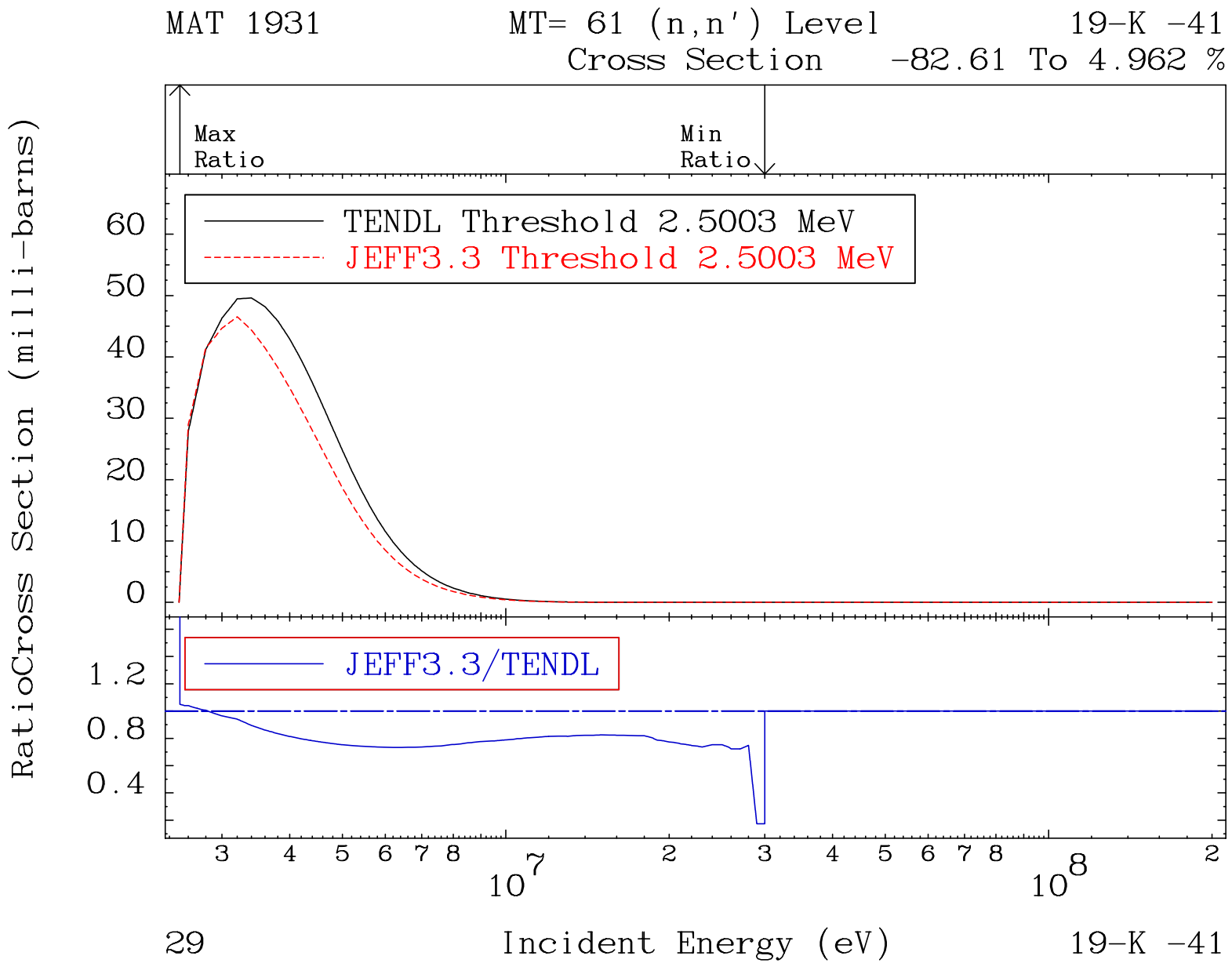

MAT 1931
MT= 56 (n,n') Level
19-K -41
Cross Section -100.0 To 0.038 %
Max
Ratio
TENDL Threshold 1.7185 MeV
JEFF3.3 Threshold 1.7185 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
19-K -41

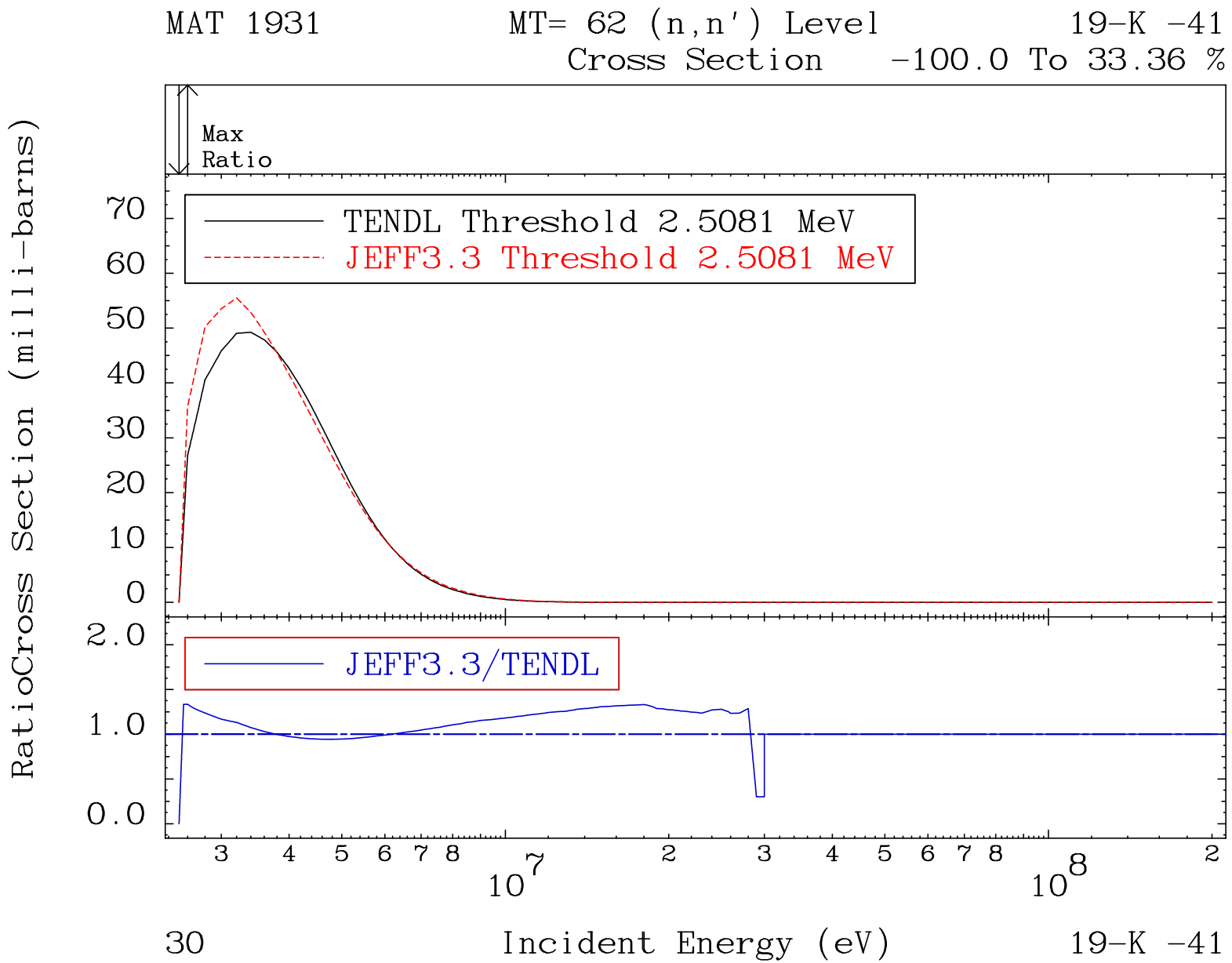

MAT 1931
MT= 57 (n,n') Level
19-K -41
Cross Section -100.0 To 0.037 %
Max
Ratio
TENDL Threshold 1.7398 MeV
JEFF3.3 Threshold 1.7398 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
150
100
50
0
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
19-K -41

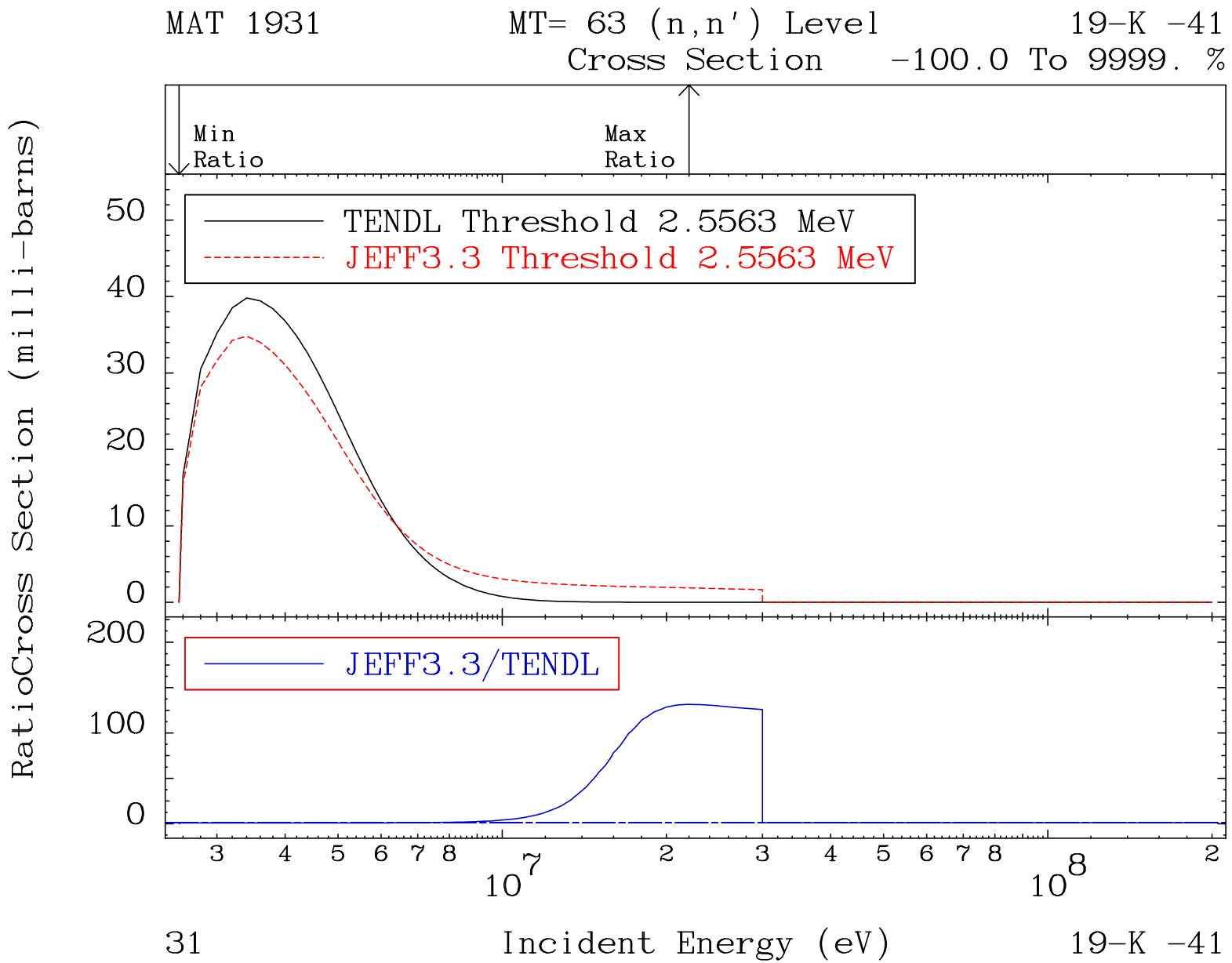

MAT 1931
MT= 58 (n,n') Level
19-K -41
Cross Section -82.59 To 0.041 %
Max Ratio
Min Ratio
TENDL Threshold 2.1966 MeV
JEFF3.3 Threshold 2.1966 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.8
0.4
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
26
Incident Energy (eV)
19-K -41

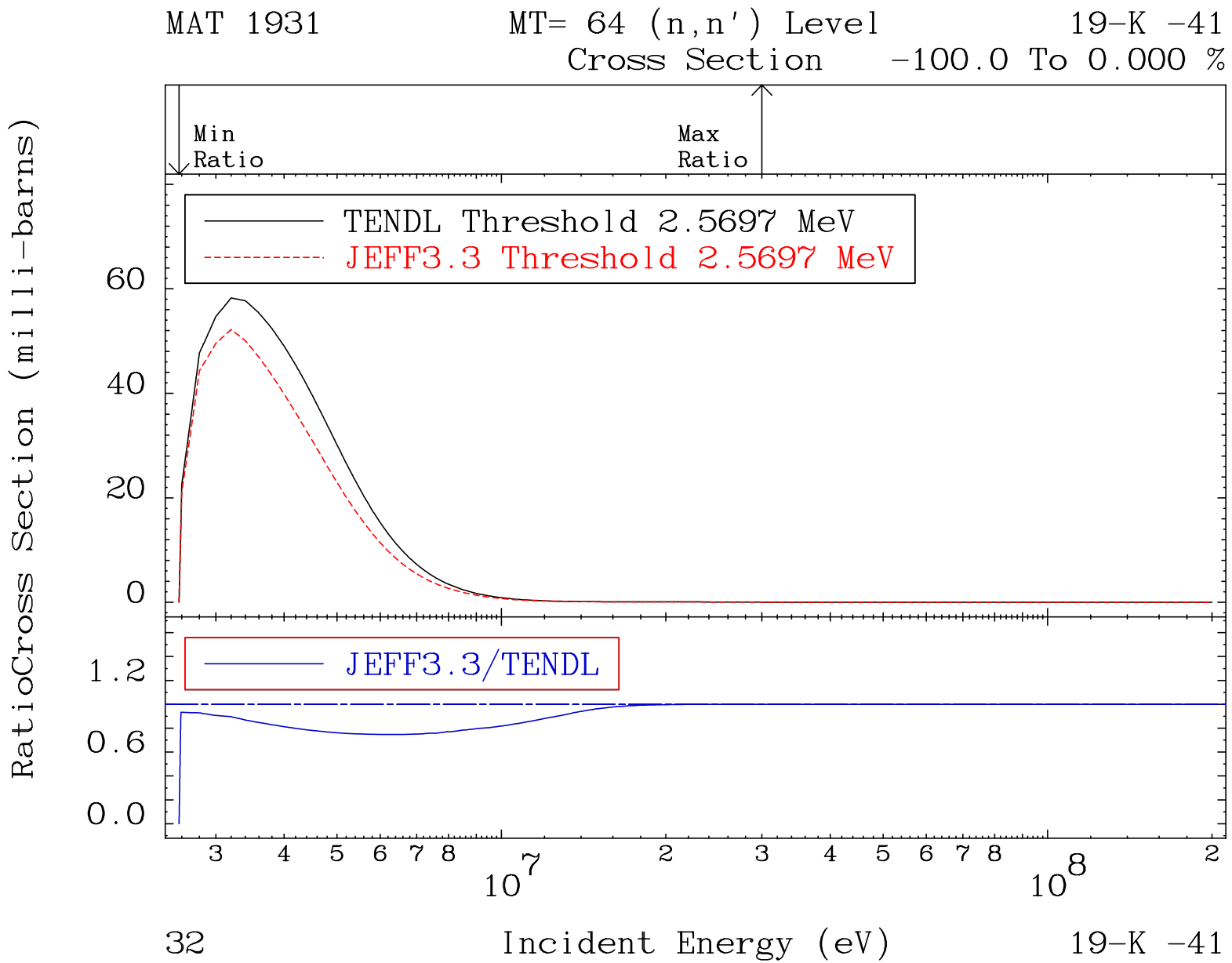

MAT 1931
MT= 59 (n,n') Level
19-K -41
Cross Section -82.61 To 1.690 %
Max Ratio
Min Ratio
TENDL Threshold 2.2201 MeV
JEFF3.3 Threshold 2.2201 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.8
0.4
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
27
Incident Energy (eV)
19-K -41

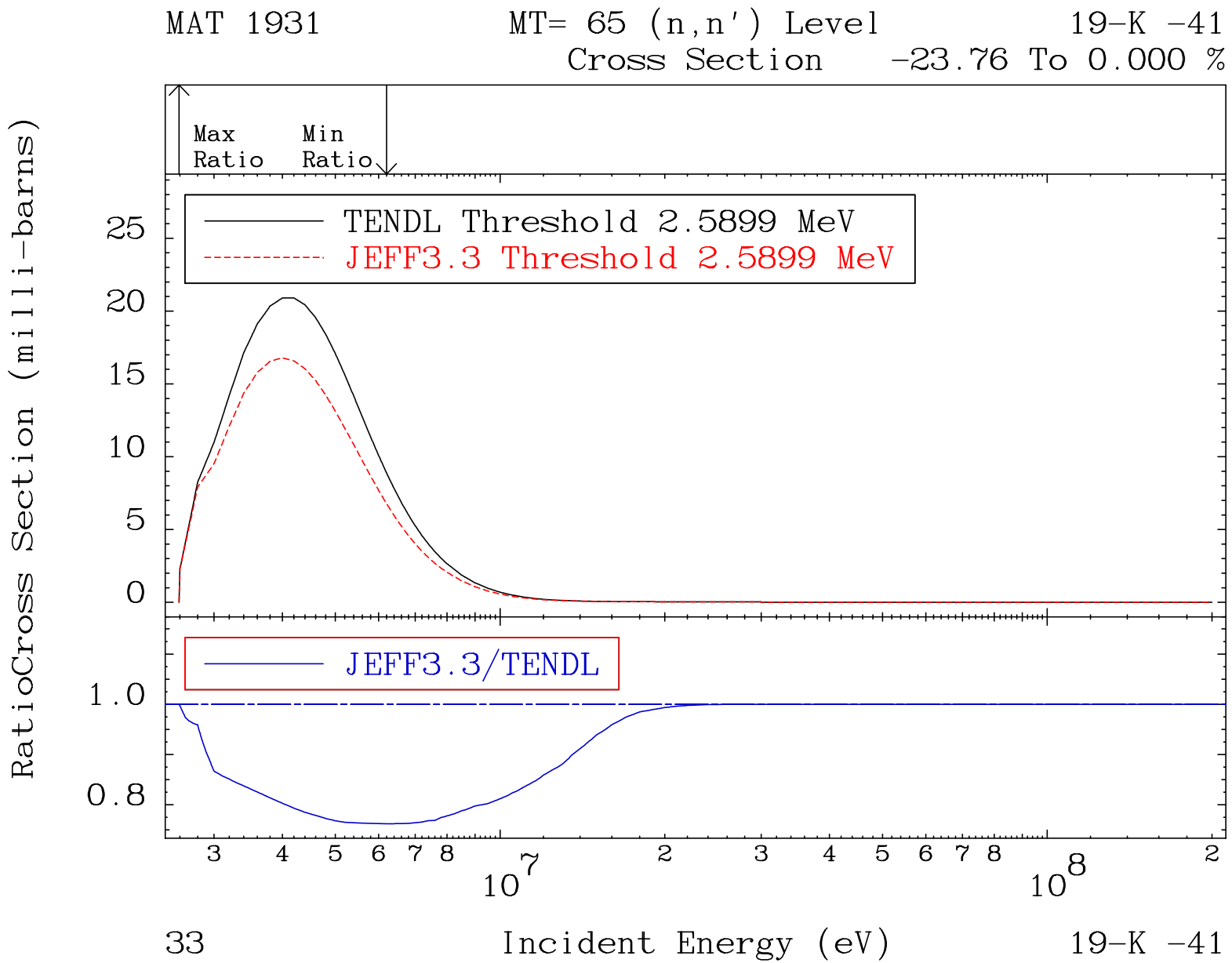

MAT 1931
MT= 60 (n,n') Level
19-K -41
Cross Section
-100.0 To 0.033 %
Max
Ratio
TENDL Threshold 2.3737 MeV
JEFF3.3 Threshold 2.3737 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
19-K -41

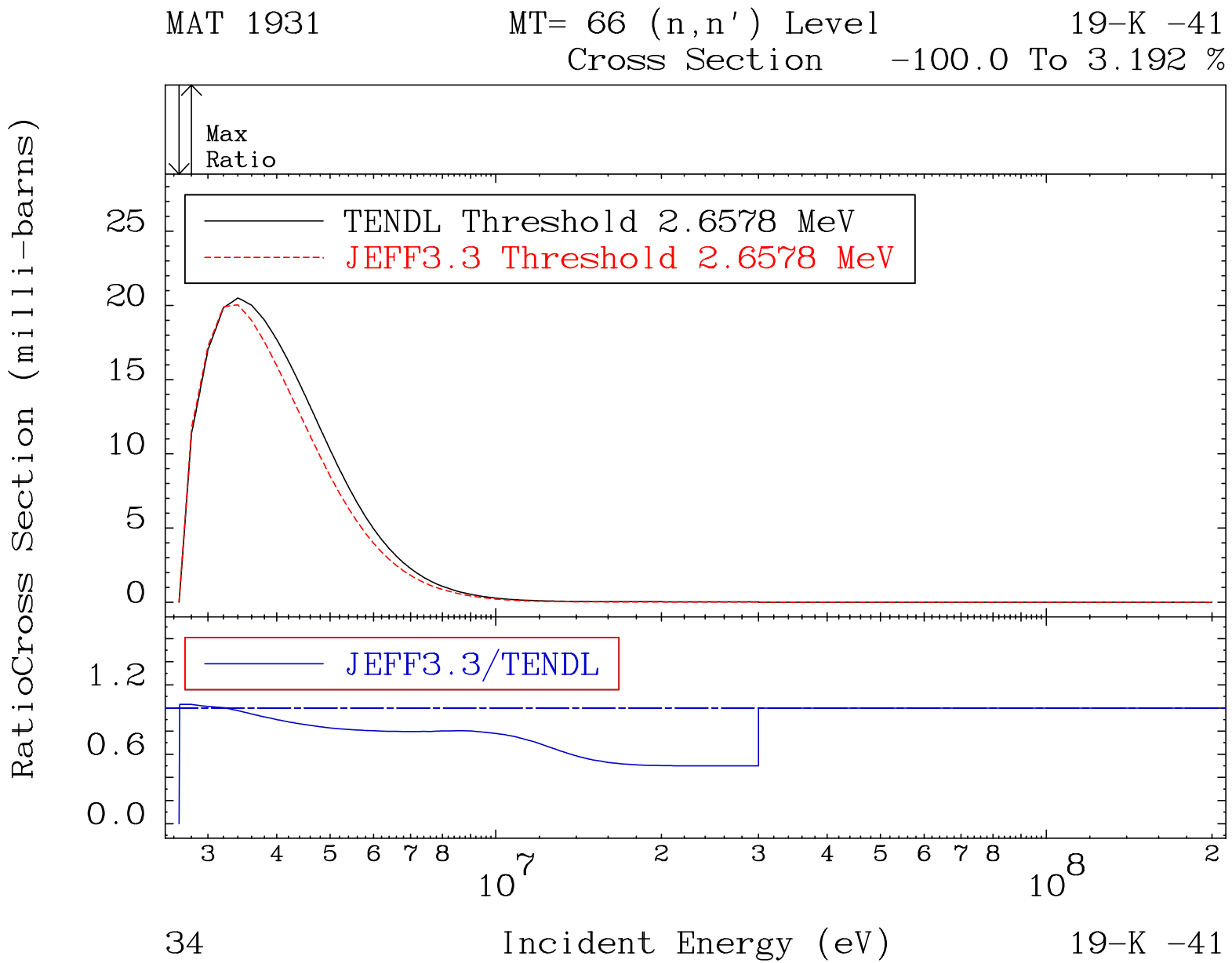

MAT 1931
MT= 61 (n,n') Level
19-K -41
Cross Section -82.61 To 4.962 %
Max Ratio
Min Ratio
TENDL Threshold 2.5003 MeV
JEFF3.3 Threshold 2.5003 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.8
0.4
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
29
Incident Energy (eV)
19-K -41

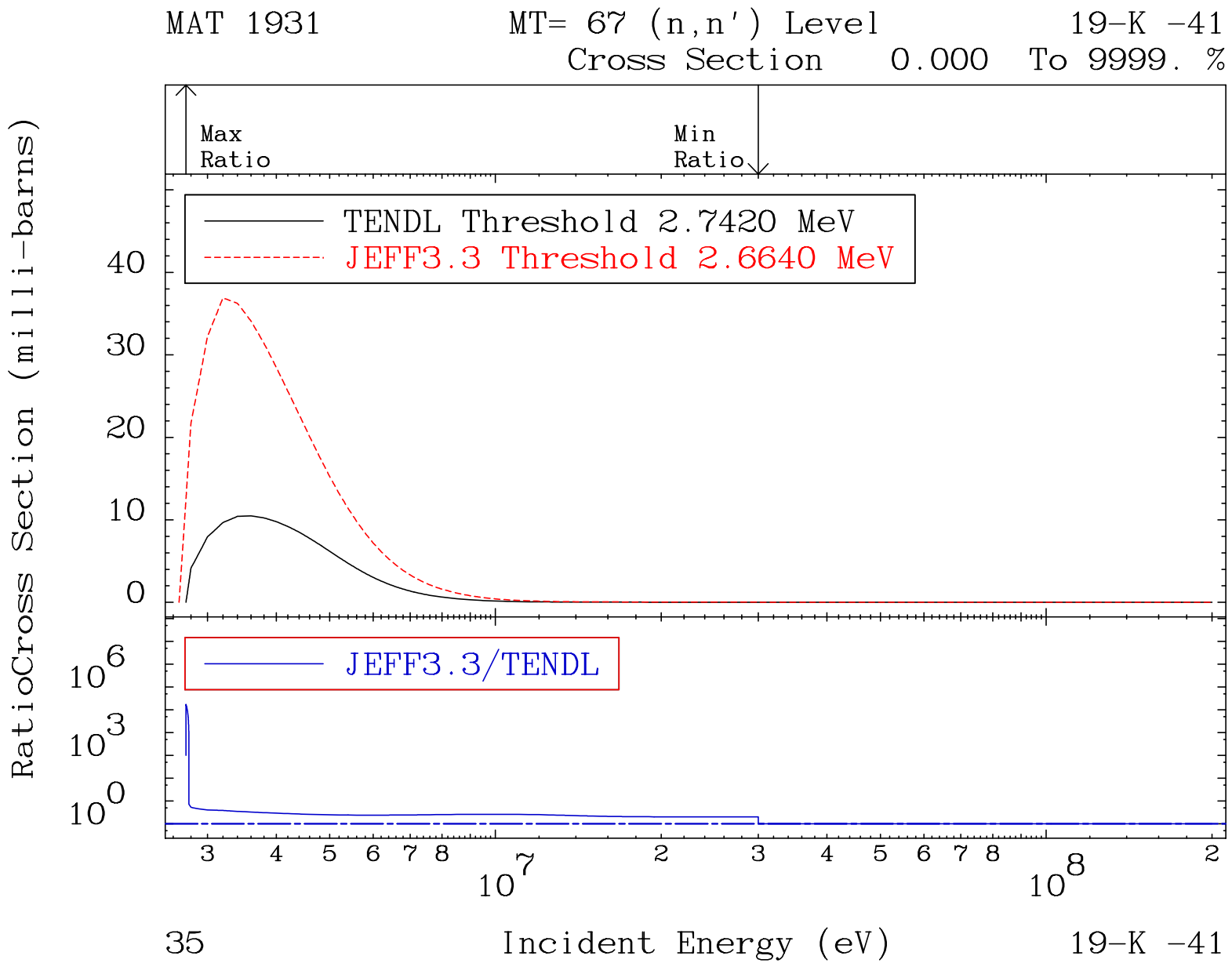

MAT 1931
MT= 62 (n,n') Level
19-K -41
Cross Section -100.0 To 33.36 %
Max
Ratio
TENDL Threshold 2.5081 MeV
JEFF3.3 Threshold 2.5081 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
19-K -41

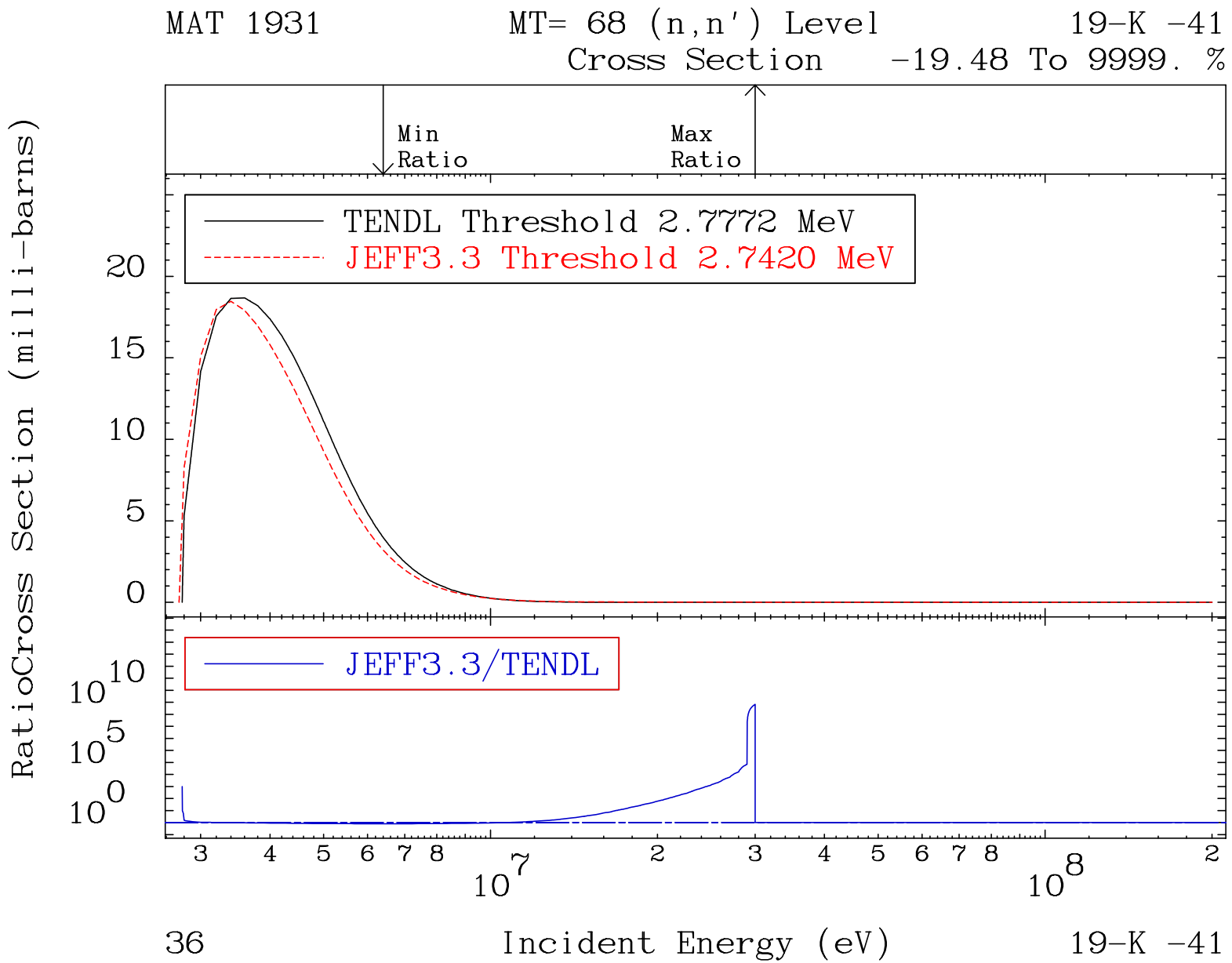

MAT 1931
MT= 63 (n,n') Level
19-K -41
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.5563 MeV
JEFF3.3 Threshold 2.5563 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
200
100
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
19-K -41

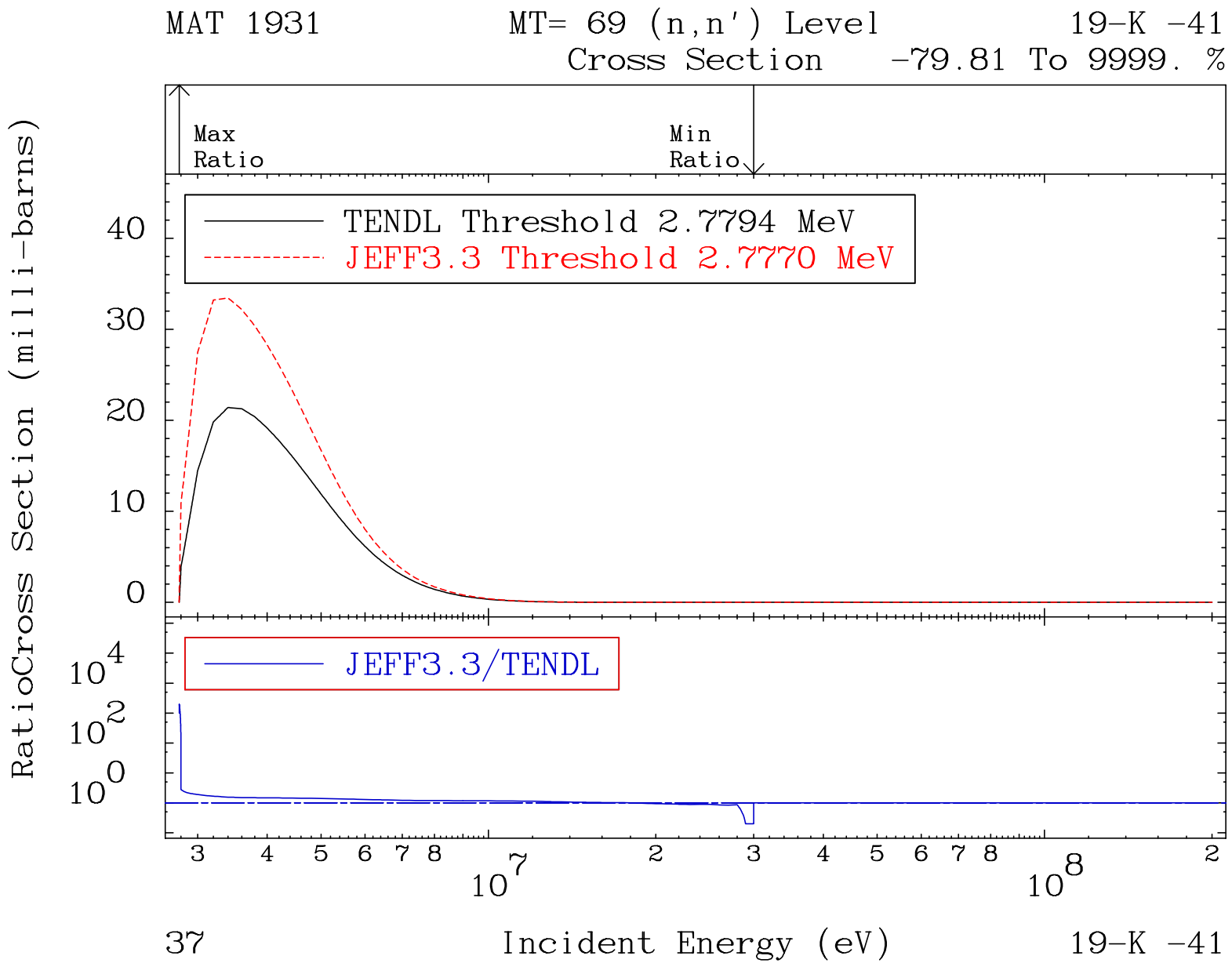

MAT 1931
MT= 64 (n,n') Level
19-K -41
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.5697 MeV
JEFF3.3 Threshold 2.5697 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
40
20
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
32
Incident Energy (eV)
19-K -41

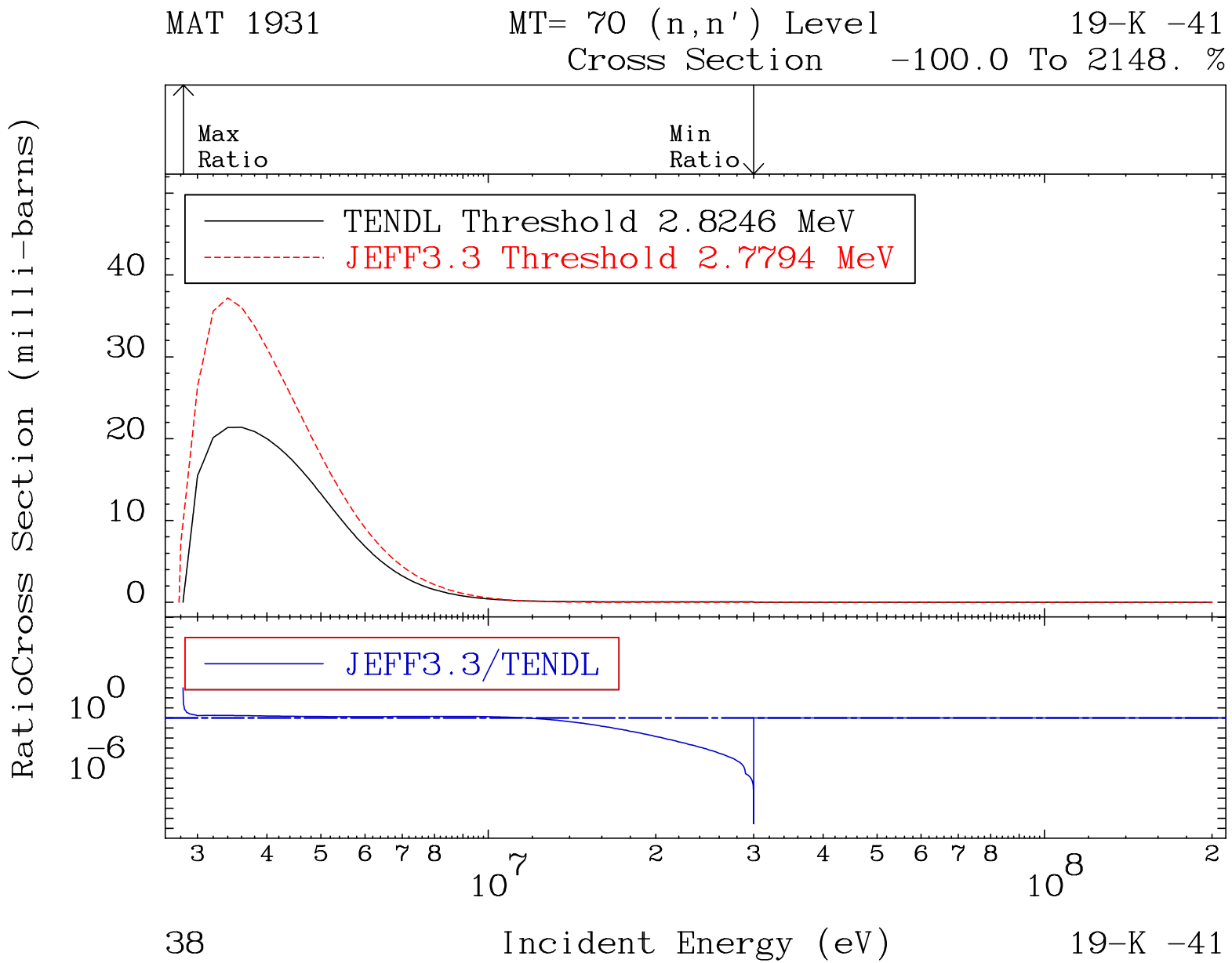

MAT 1931
MT= 65 (n,n') Level
19-K -41
Cross Section -23.76 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 2.5899 MeV
JEFF3.3 Threshold 2.5899 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
1.0
0.8
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
33
Incident Energy (eV)
19-K -41

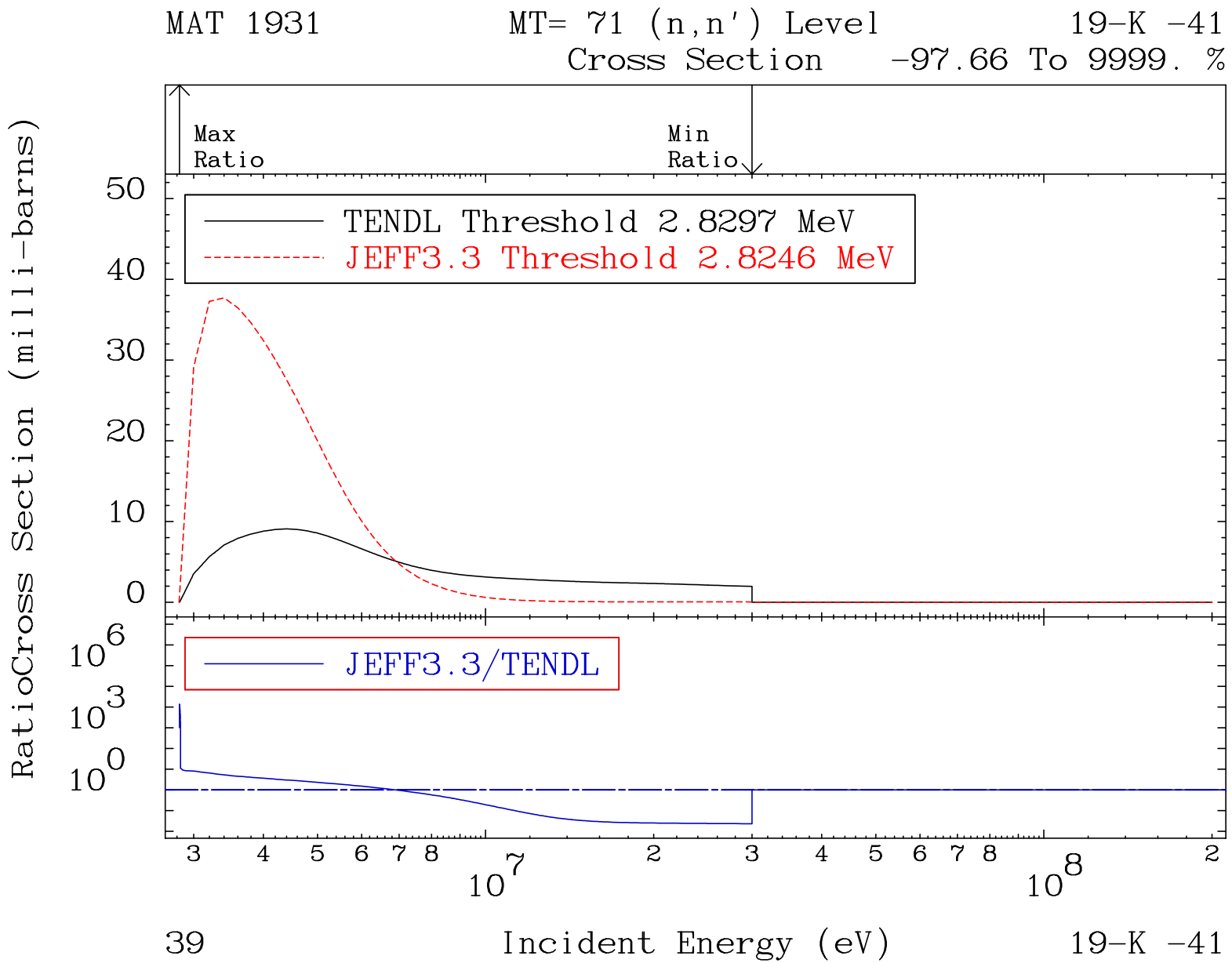

MAT 1931
MT= 66 (n,n') Level
19-K -41
Cross Section -100.0 To 3.192 %
Max
Ratio
TENDL Threshold 2.6578 MeV
JEFF3.3 Threshold 2.6578 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
1.2
0.6
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
19-K -41

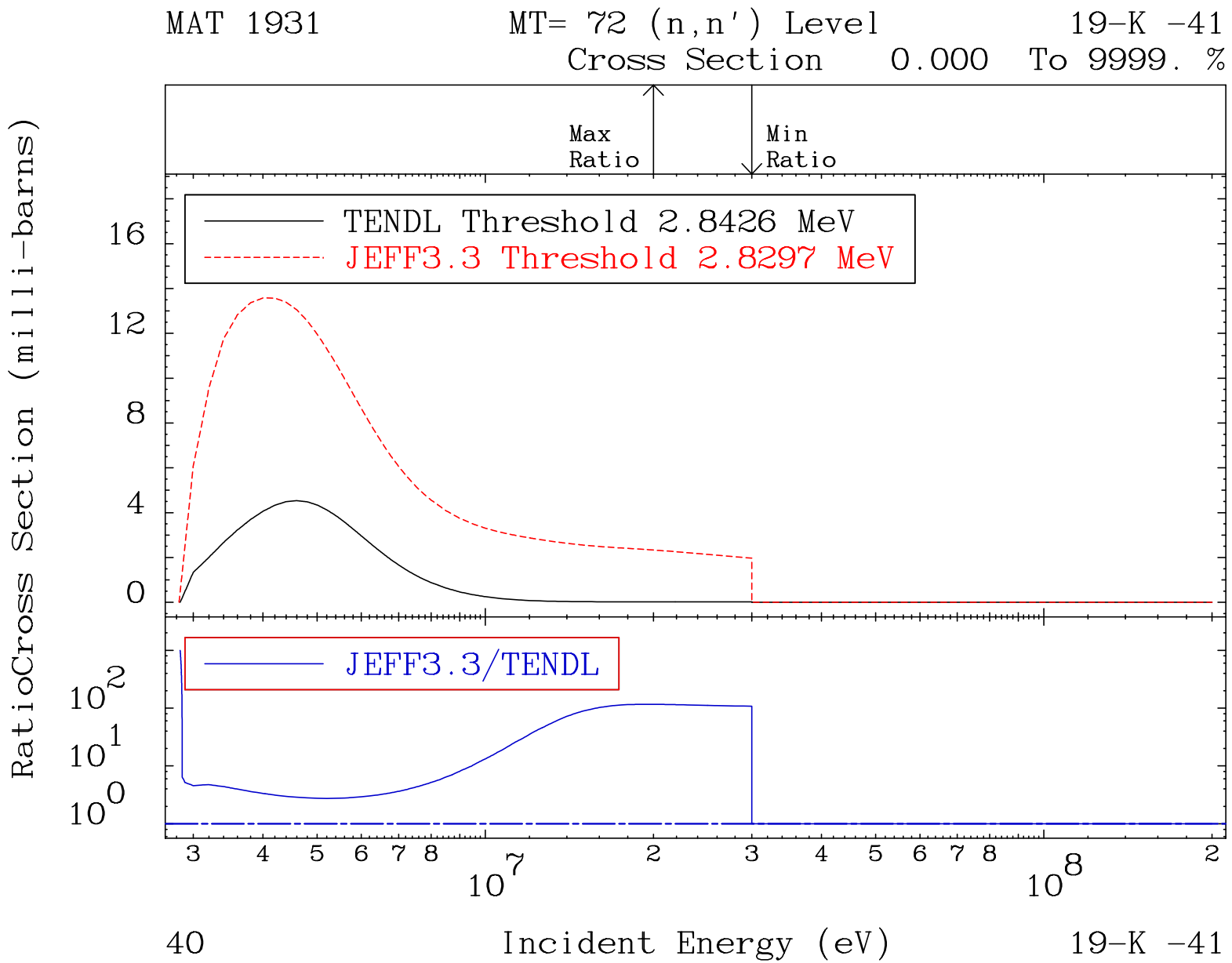

MAT 1931
MT= 67 (n,n') Level
19-K -41
Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.7420 MeV
JEFF3.3 Threshold 2.6640 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
10^6
10^3
10^0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
35
Incident Energy (eV)
19-K -41

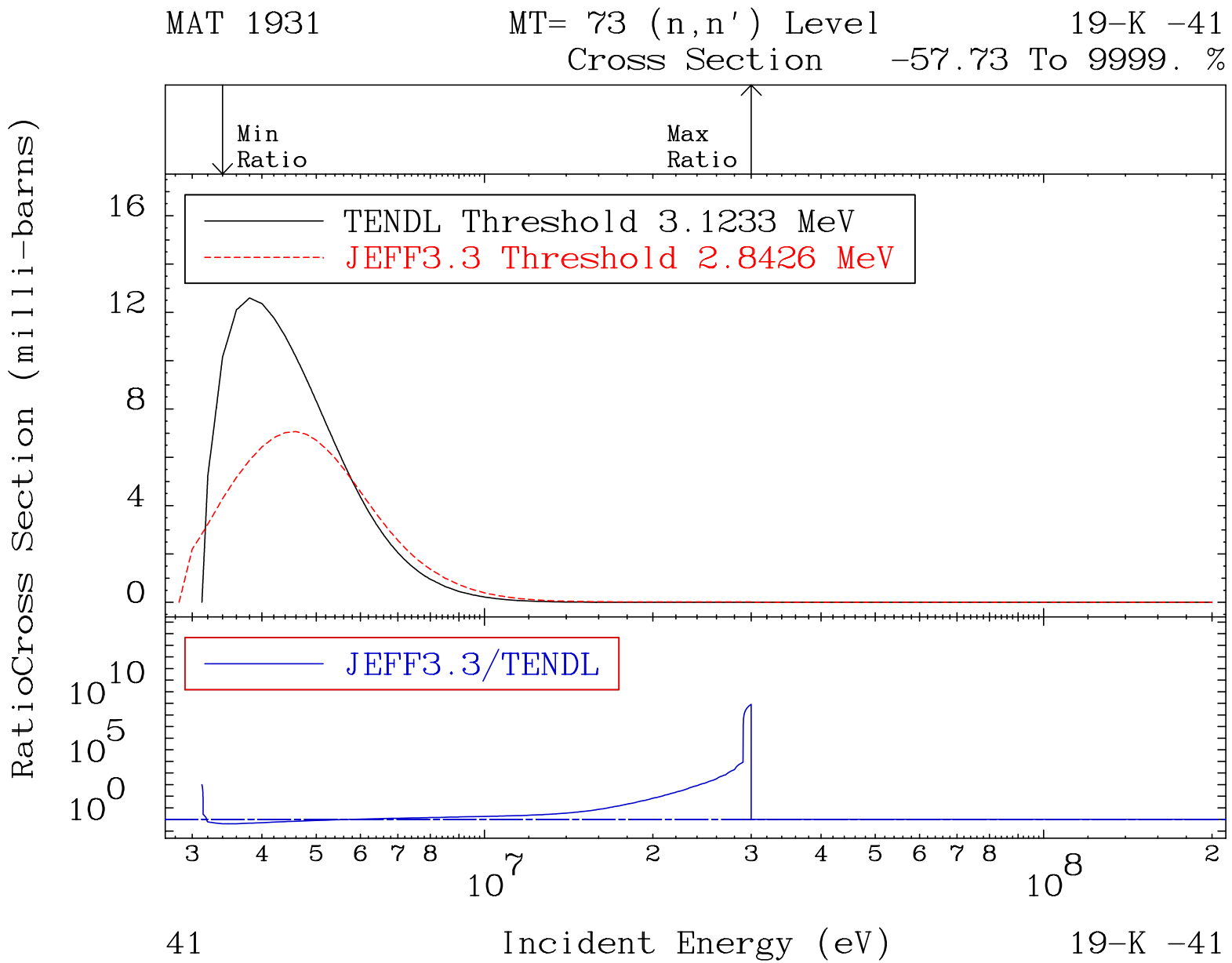

MAT 1931
MT= 68 (n,n') Level
19-K -41
Cross Section -19.48 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.7772 MeV
JEFF3.3 Threshold 2.7420 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
36
19-K -41

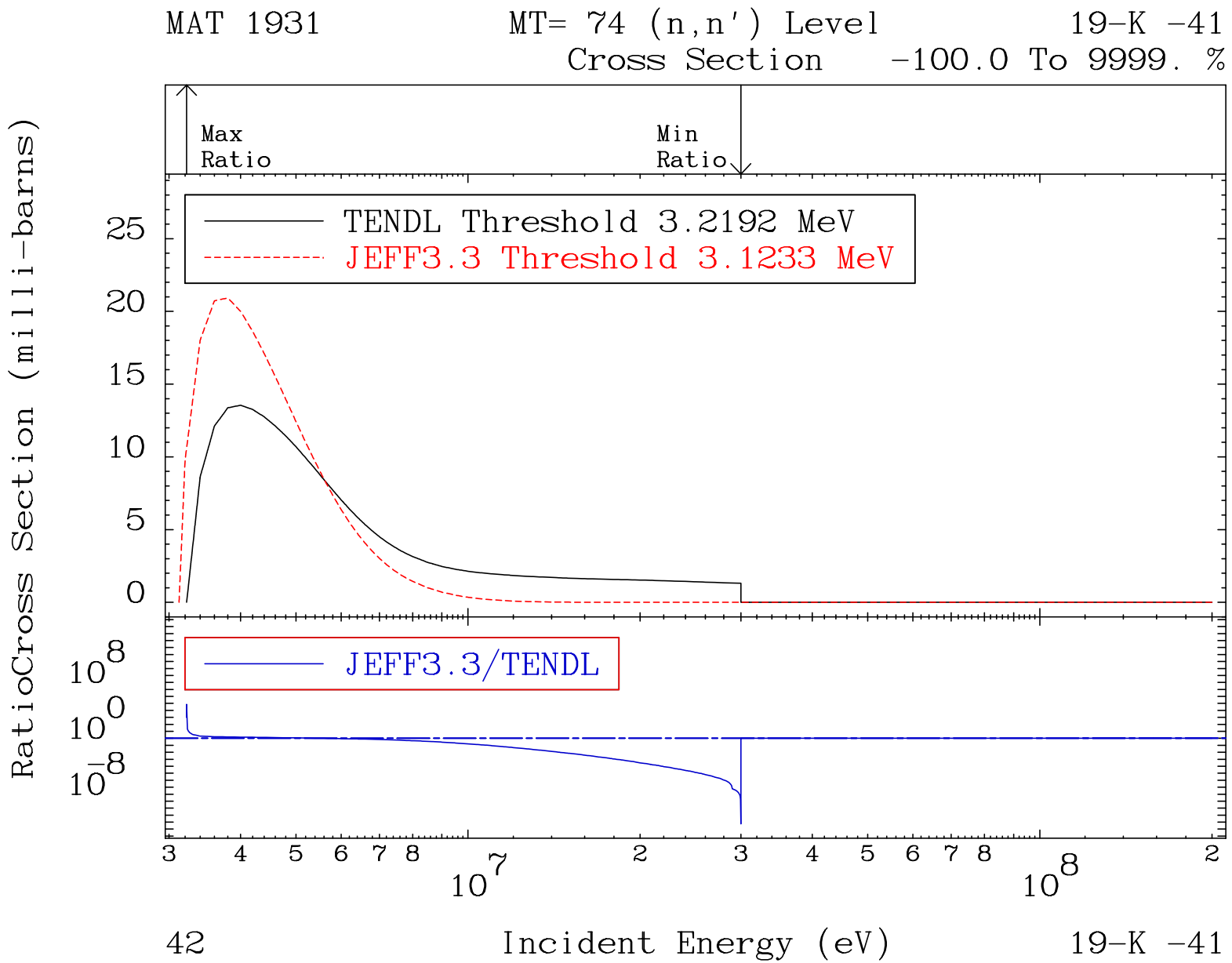

MAT 1931
MT= 69 (n,n') Level
19-K -41
Cross Section -79.81 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.7794 MeV
JEFF3.3 Threshold 2.7770 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
10^4
10^2
10^0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
37
Incident Energy (eV)
19-K -41

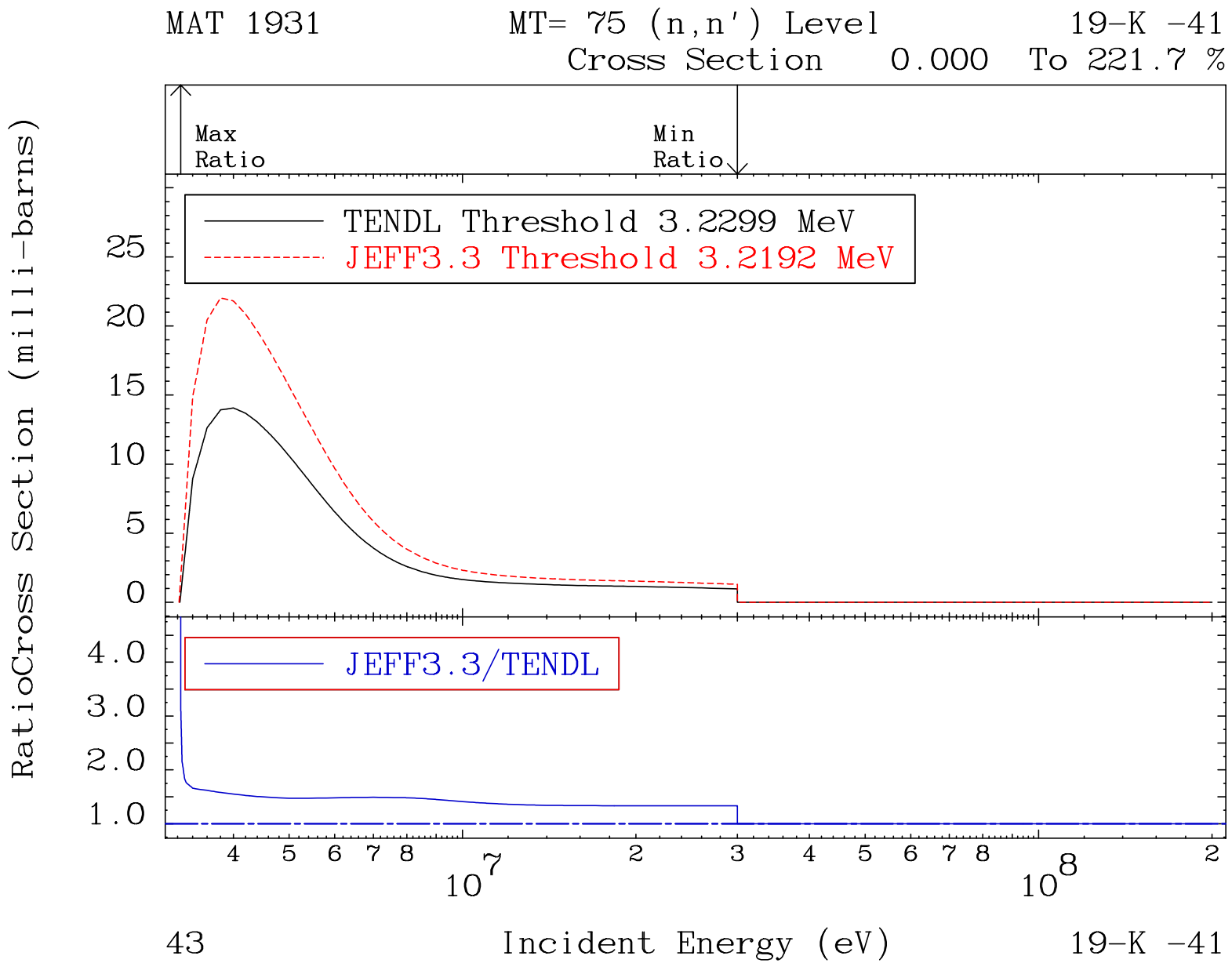

MAT 1931
MT= 70 (n,n') Level
19-K -41
Cross Section -100.0 To 2148. %
Max Ratio
Min Ratio
TENDL Threshold 2.8246 MeV
JEFF3.3 Threshold 2.7794 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
10^0
10^-6
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
38
Incident Energy (eV)
19-K -41

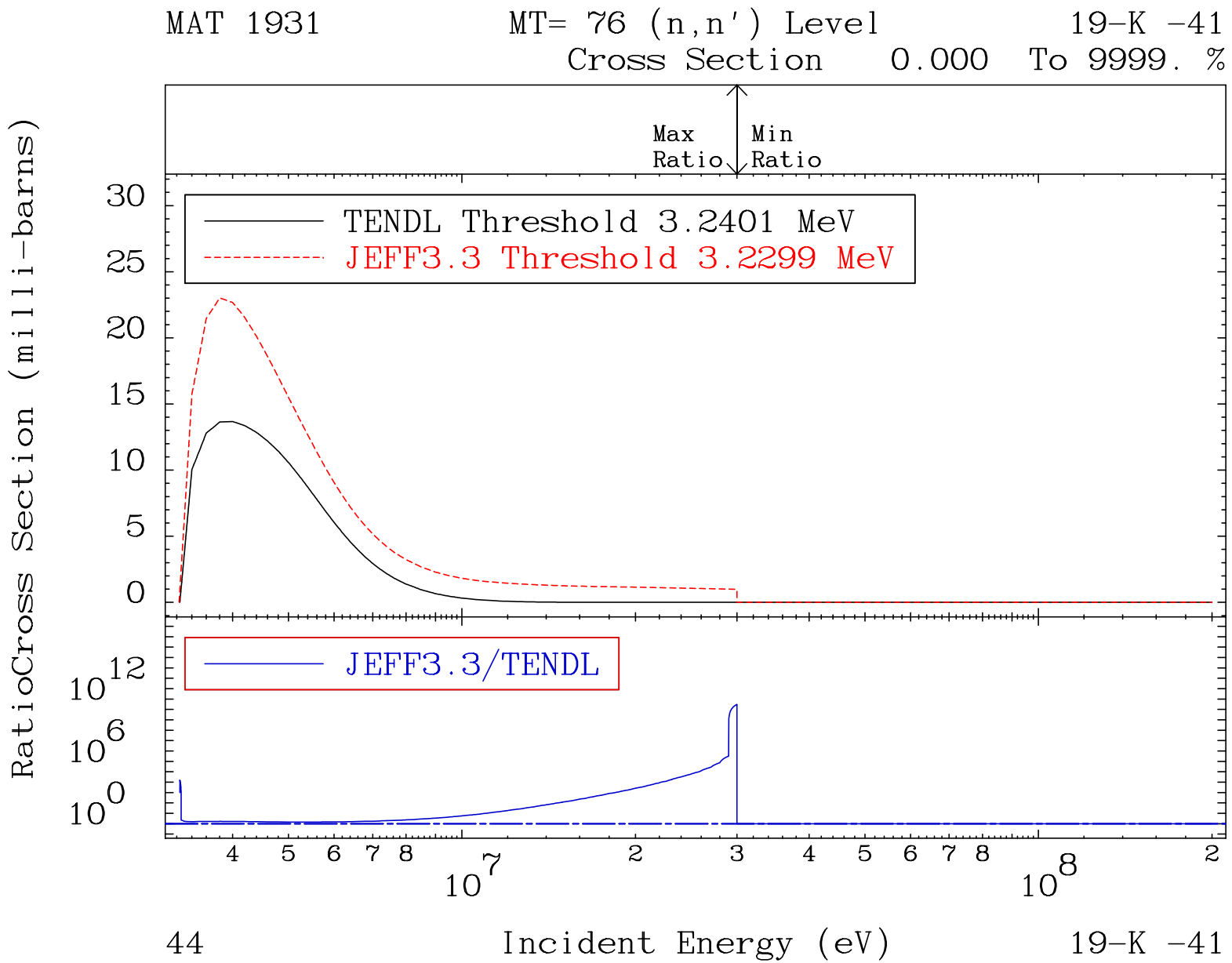

MAT 1931
MT= 71 (n,n') Level
19-K -41
Cross Section -97.66 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.8297 MeV
JEFF3.3 Threshold 2.8246 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
10^6
10^3
10^0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
39
Incident Energy (eV)
19-K -41

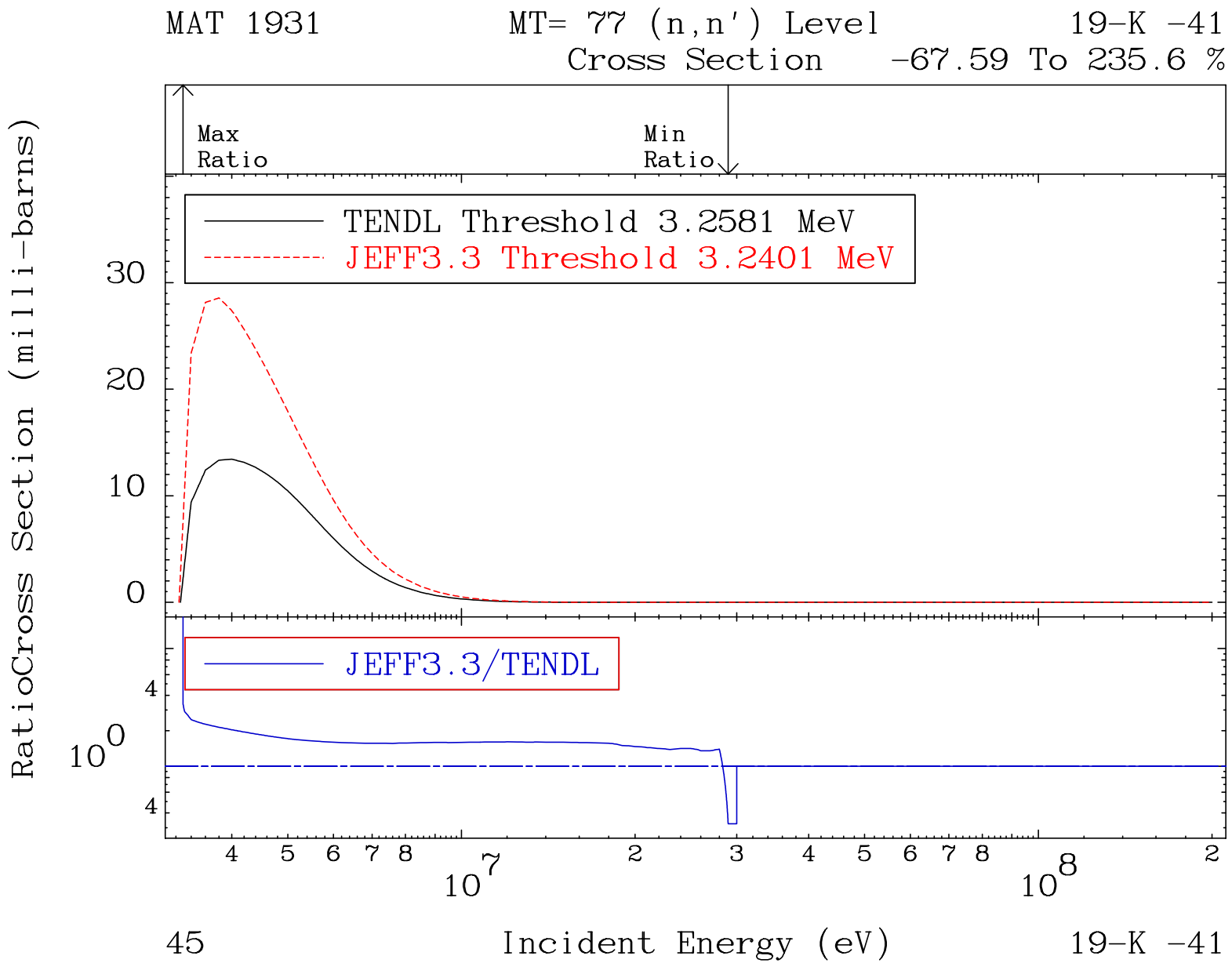

MAT 1931
MT= 72 (n,n') Level
19-K -41
Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.8426 MeV
JEFF3.3 Threshold 2.8297 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
10^2
10^1
10^0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
40
Incident Energy (eV)
19-K -41

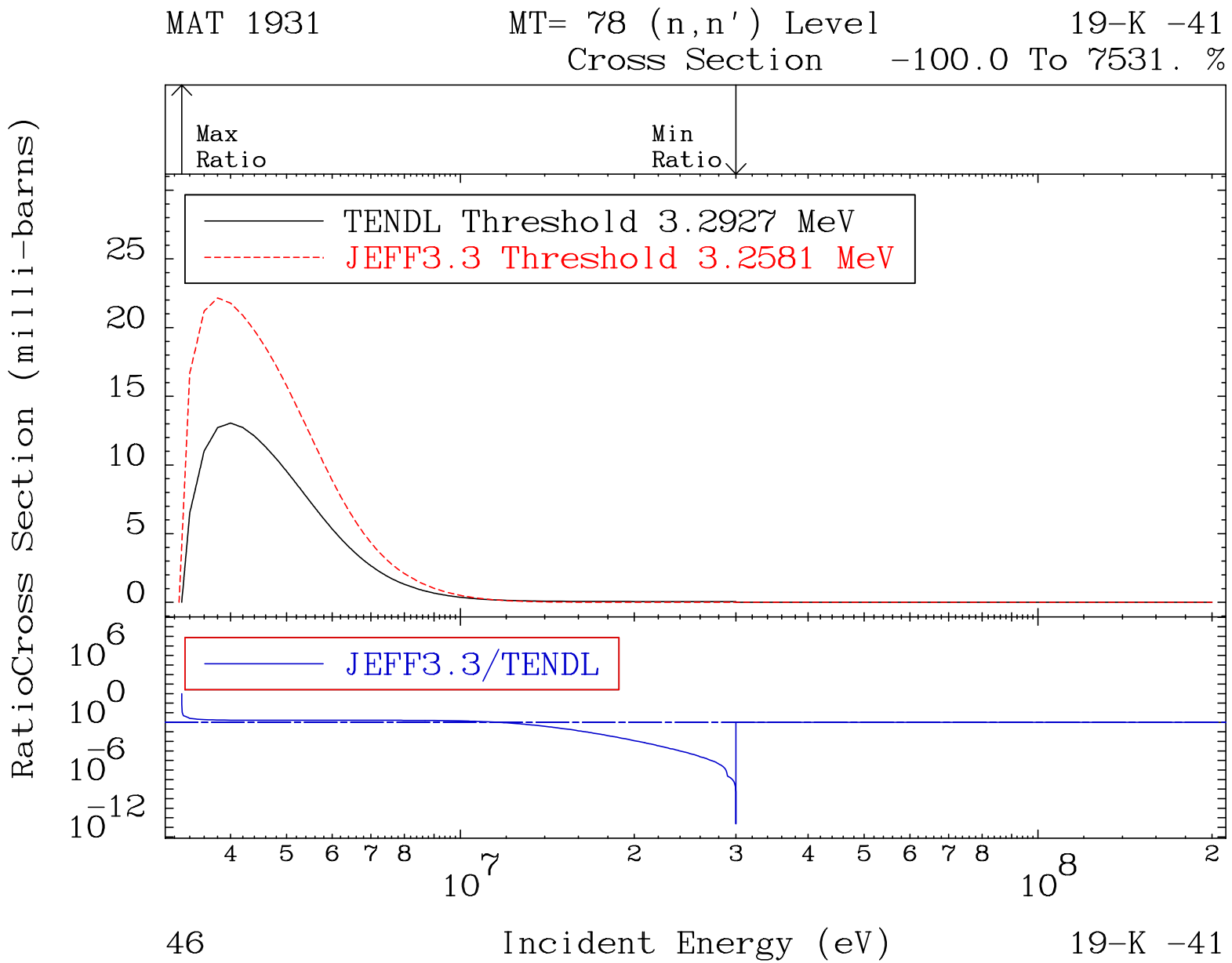

MAT 1931
MT= 73 (n,n') Level
19-K -41
Cross Section -57.73 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.1233 MeV
JEFF3.3 Threshold 2.8426 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
10^10
10^5
10^0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
41
Incident Energy (eV)
19-K -41

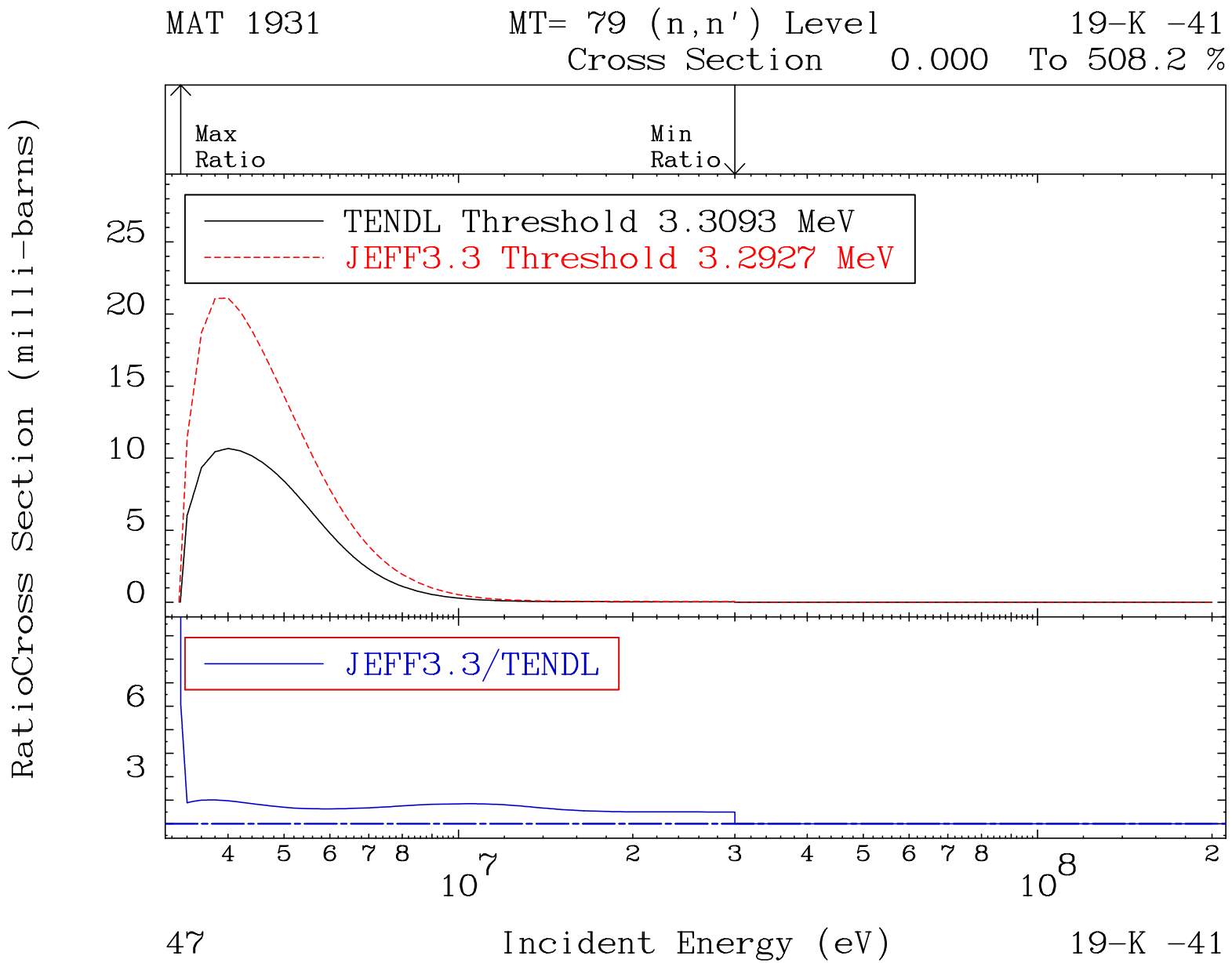

MAT 1931
MT= 74 (n,n') Level
19-K -41
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.2192 MeV
JEFF3.3 Threshold 3.1233 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
10^8
10^0
10^-8
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
42
Incident Energy (eV)
19-K -41

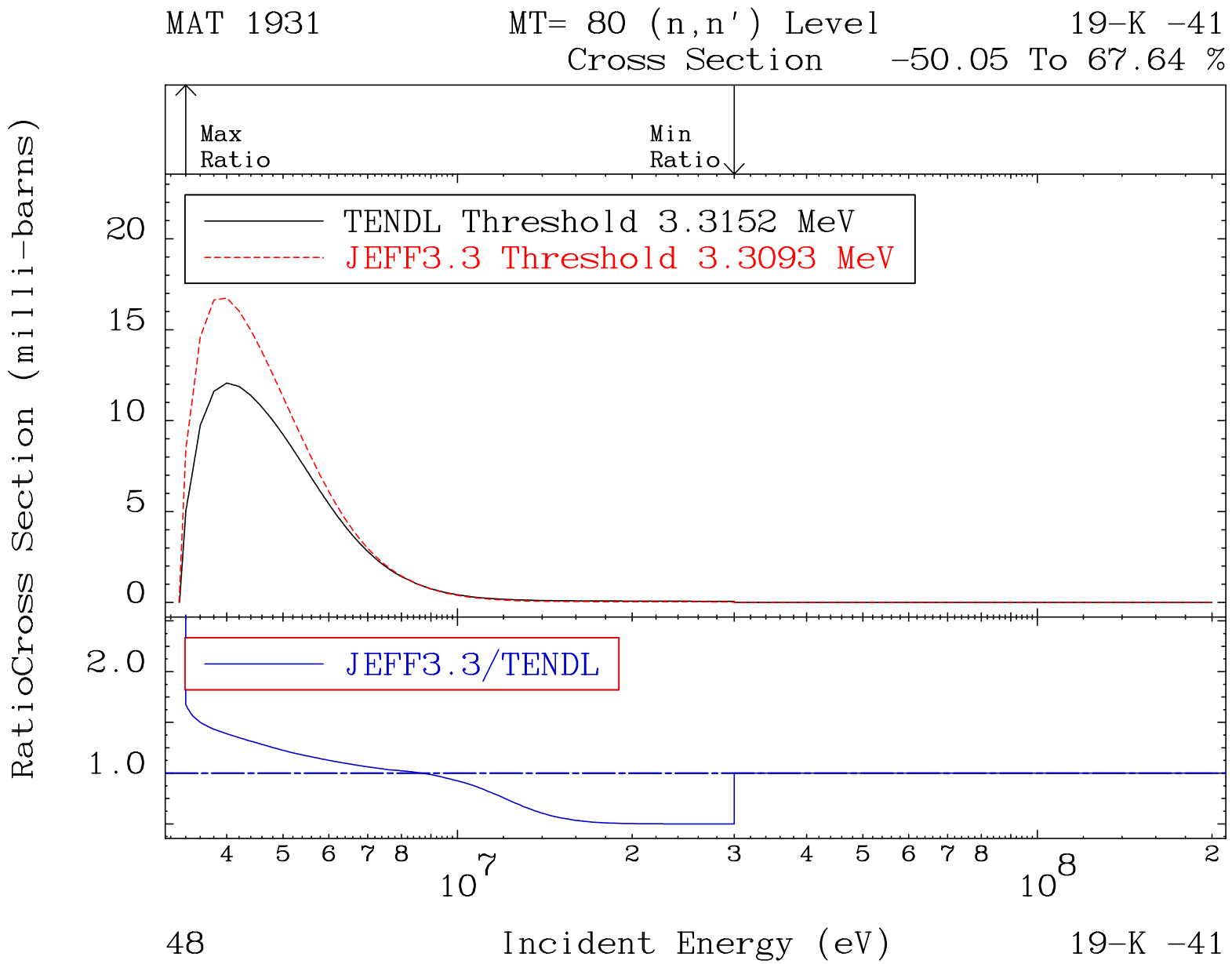

MAT 1931
MT= 75 (n,n') Level
19-K -41
Cross Section 0.000 To 221.7 %
Max Ratio
Min Ratio
TENDL Threshold 3.2299 MeV
JEFF3.3 Threshold 3.2192 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
4.0
3.0
2.0
1.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
43
Incident Energy (eV)
19-K -41

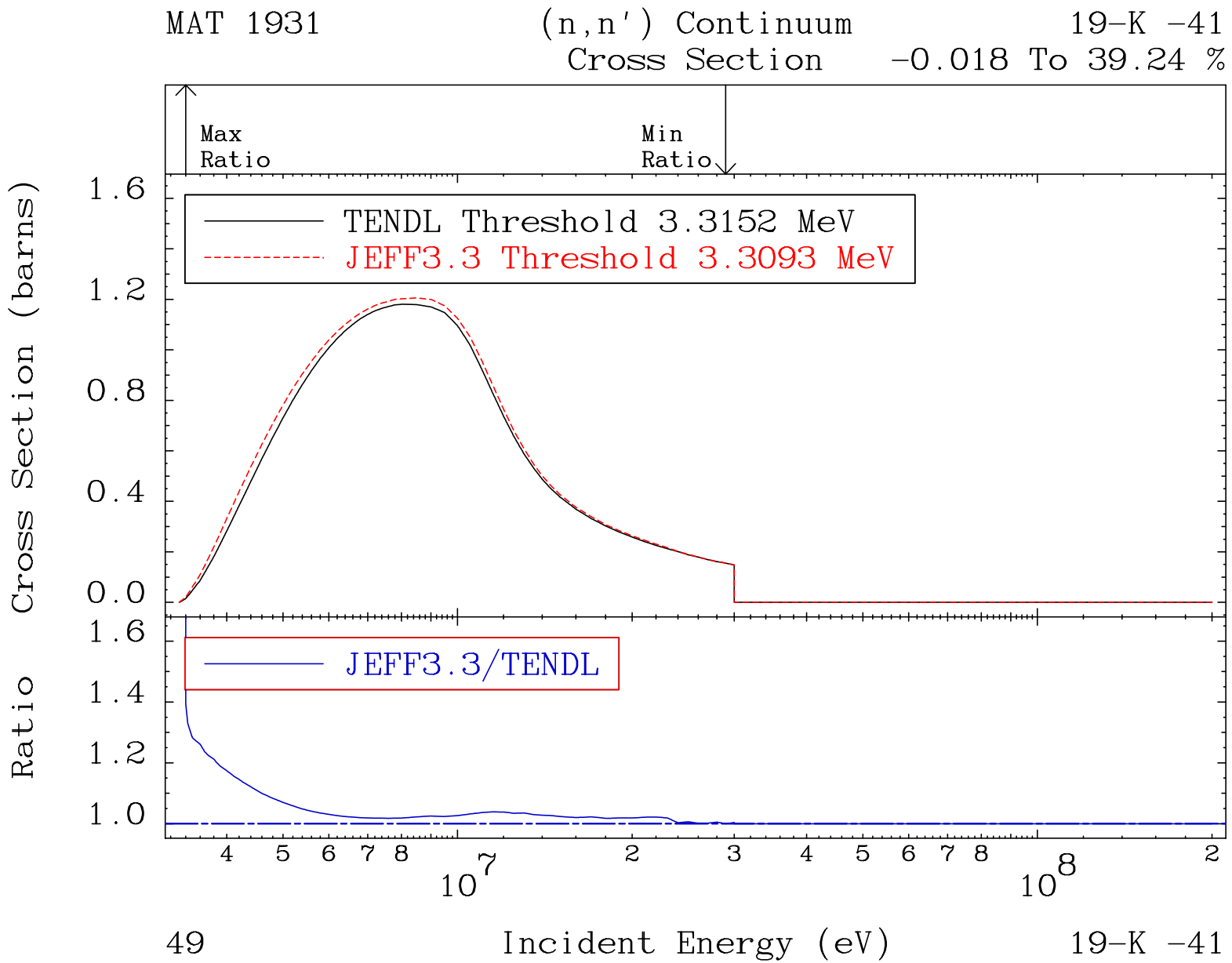

MAT 1931
MT= 76 (n,n') Level
19-K -41
Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.2401 MeV
JEFF3.3 Threshold 3.2299 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
44
19-K -41

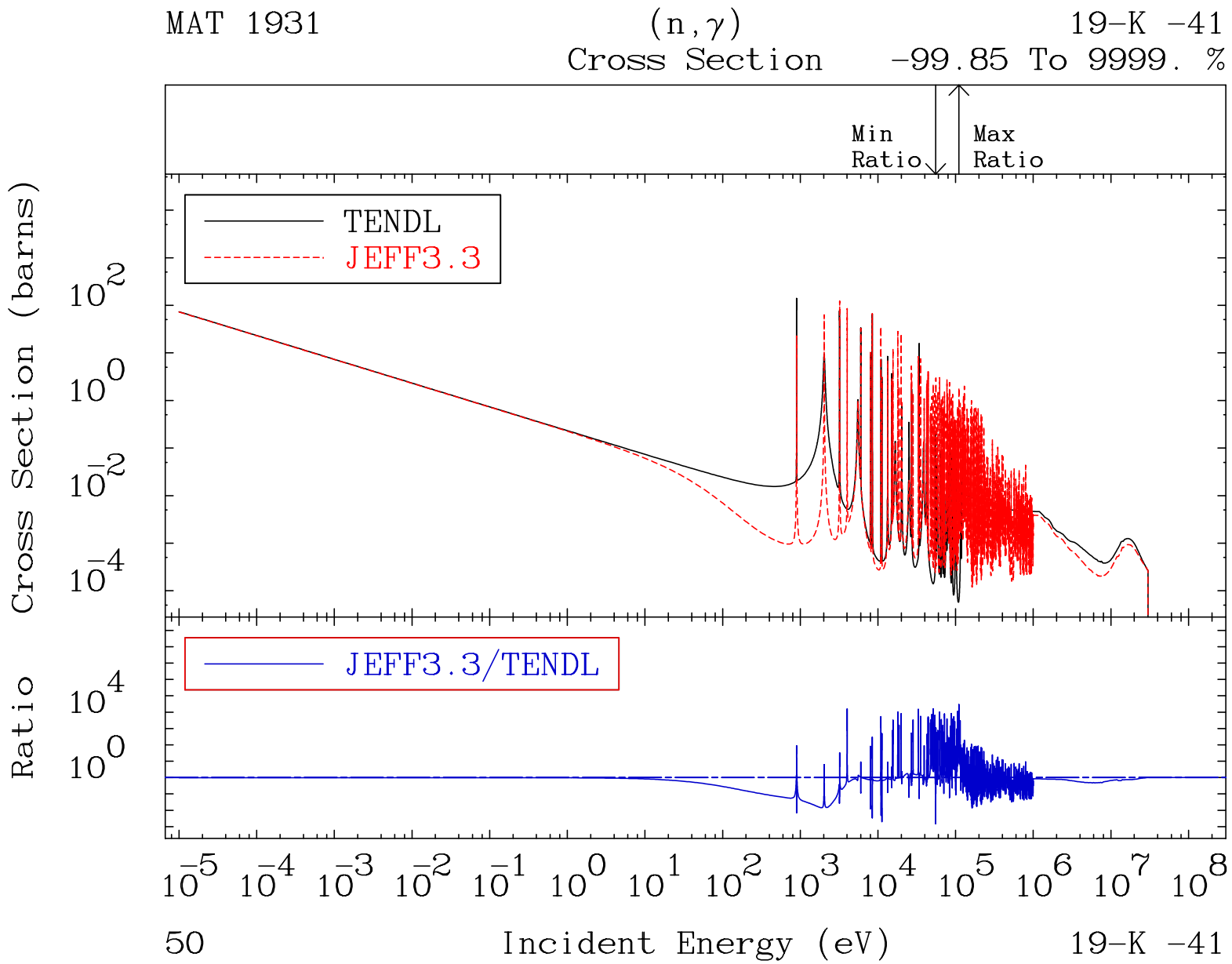

MAT 1931
MT= 77 (n,n') Level
19-K -41
Cross Section -67.59 To 235.6 %
Max Ratio
Min Ratio
TENDL Threshold 3.2581 MeV
JEFF3.3 Threshold 3.2401 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
20
10
0
10^0
4
4
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
45
Incident Energy (eV)
19-K -41

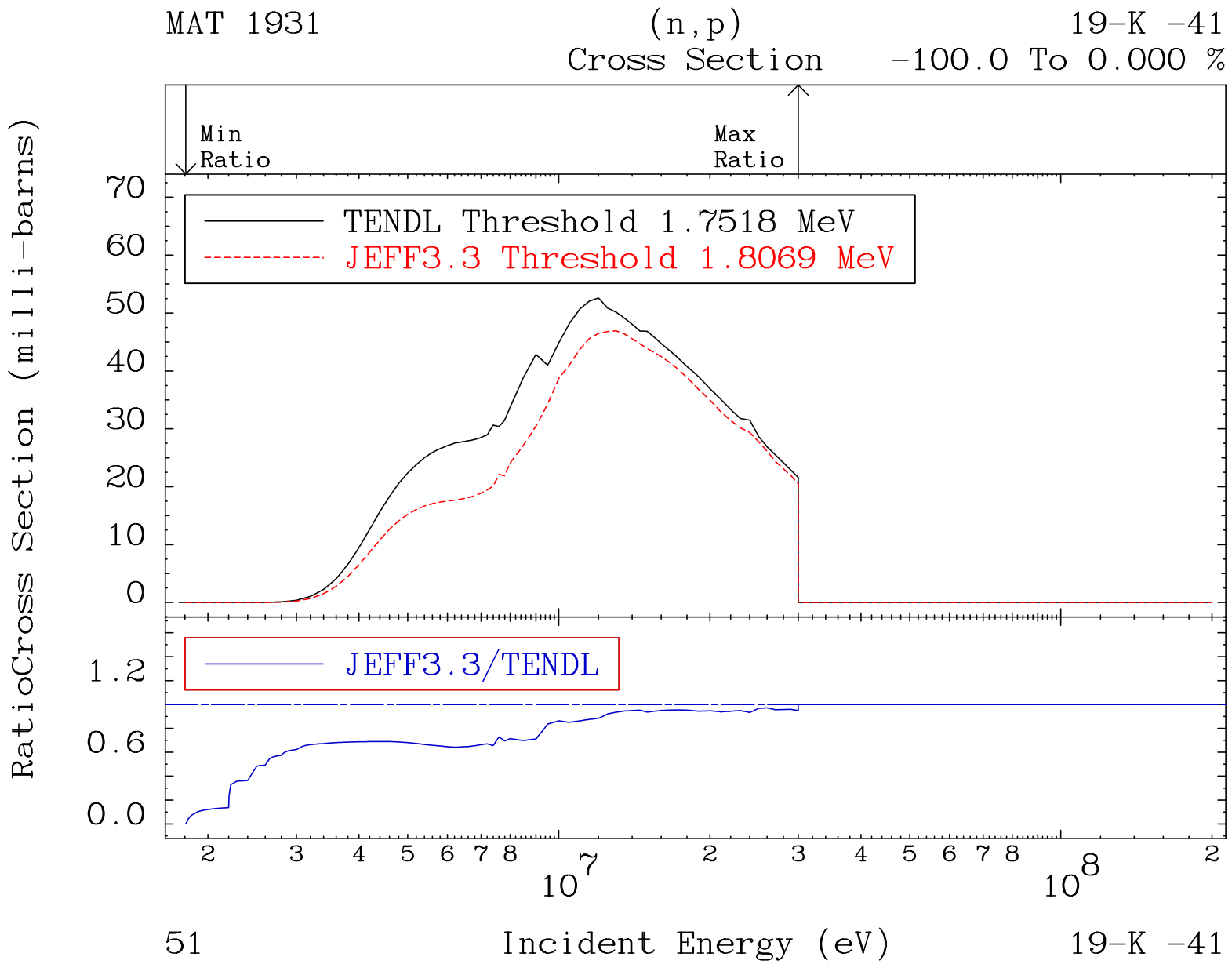

MAT 1931
MT= 78 (n,n') Level
19-K -41
Cross Section -100.0 To 7531. %
Max Ratio
Min Ratio
TENDL Threshold 3.2927 MeV
JEFF3.3 Threshold 3.2581 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
10^6
10^0
10^-6
10^-12
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
46
Incident Energy (eV)
19-K -41

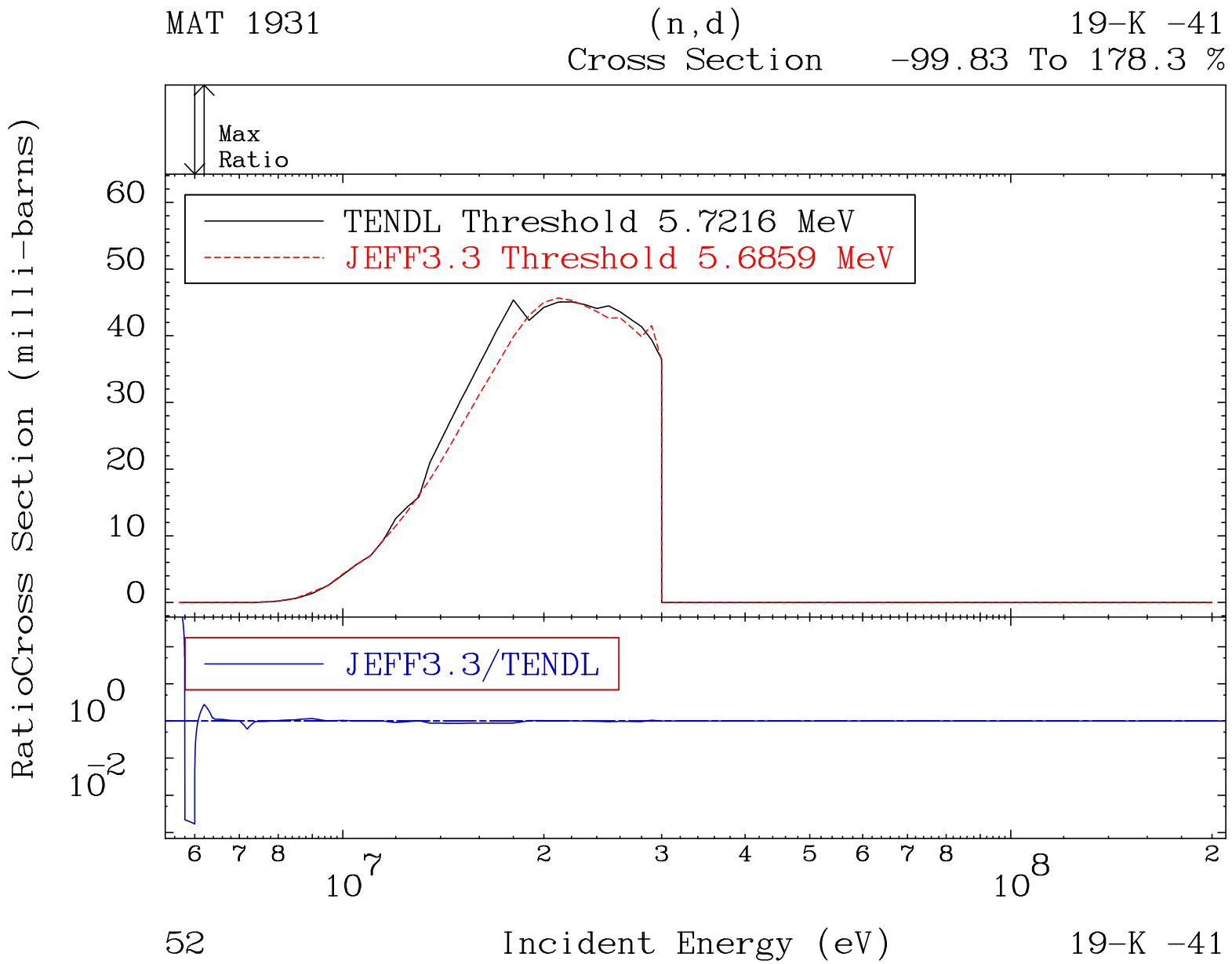

MAT 1931
MT= 79 (n,n') Level
19-K -41
Cross Section 0.000 To 508.2 %
Max Ratio
Min Ratio
TENDL Threshold 3.3093 MeV
JEFF3.3 Threshold 3.2927 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
6
3
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
47
Incident Energy (eV)
19-K -41

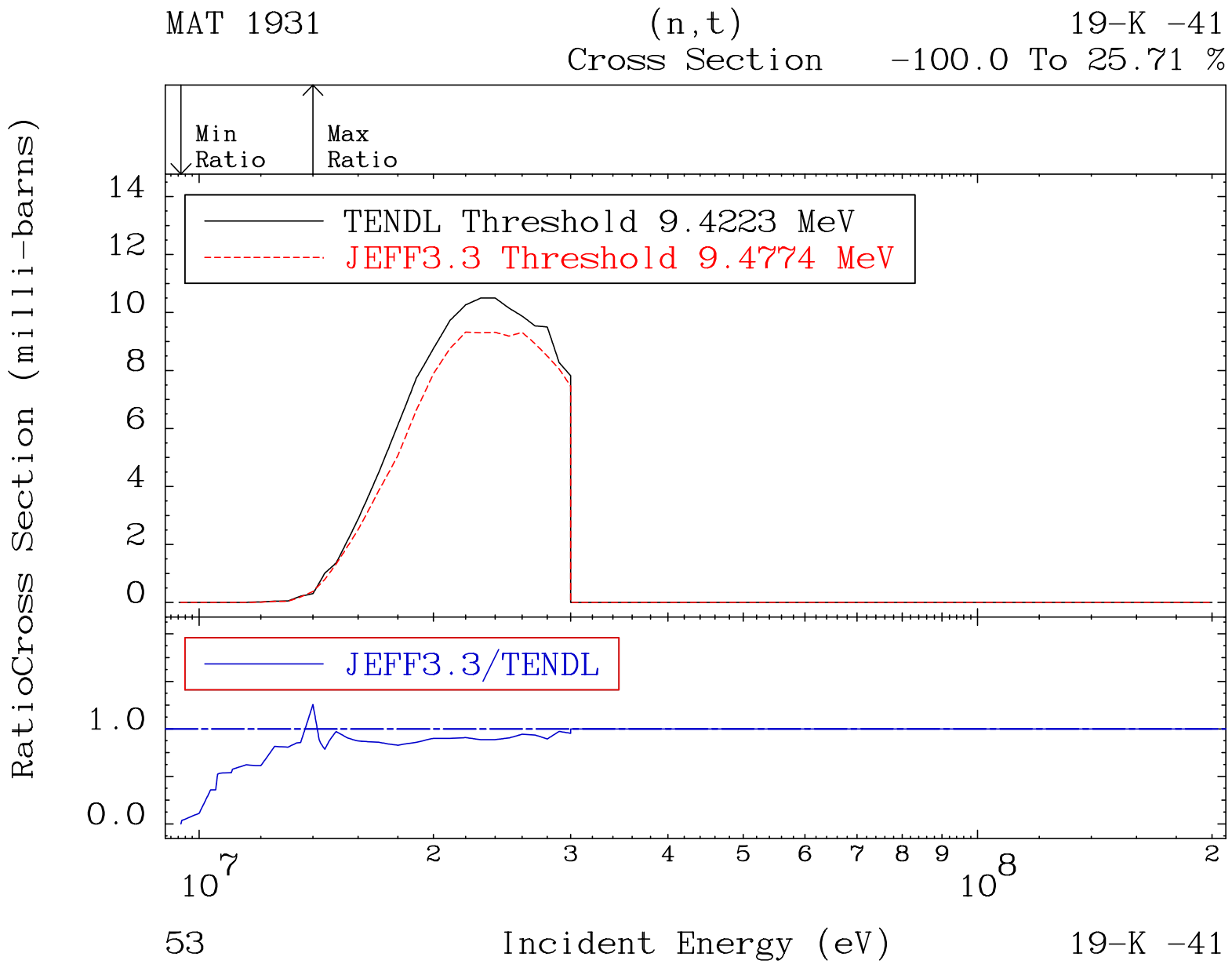

MAT 1931
MT= 80 (n,n') Level
19-K -41
Cross Section -50.05 To 67.64 %
Max Ratio
Min Ratio
TENDL Threshold 3.3152 MeV
JEFF3.3 Threshold 3.3093 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
2.0
1.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
48
Incident Energy (eV)
19-K -41

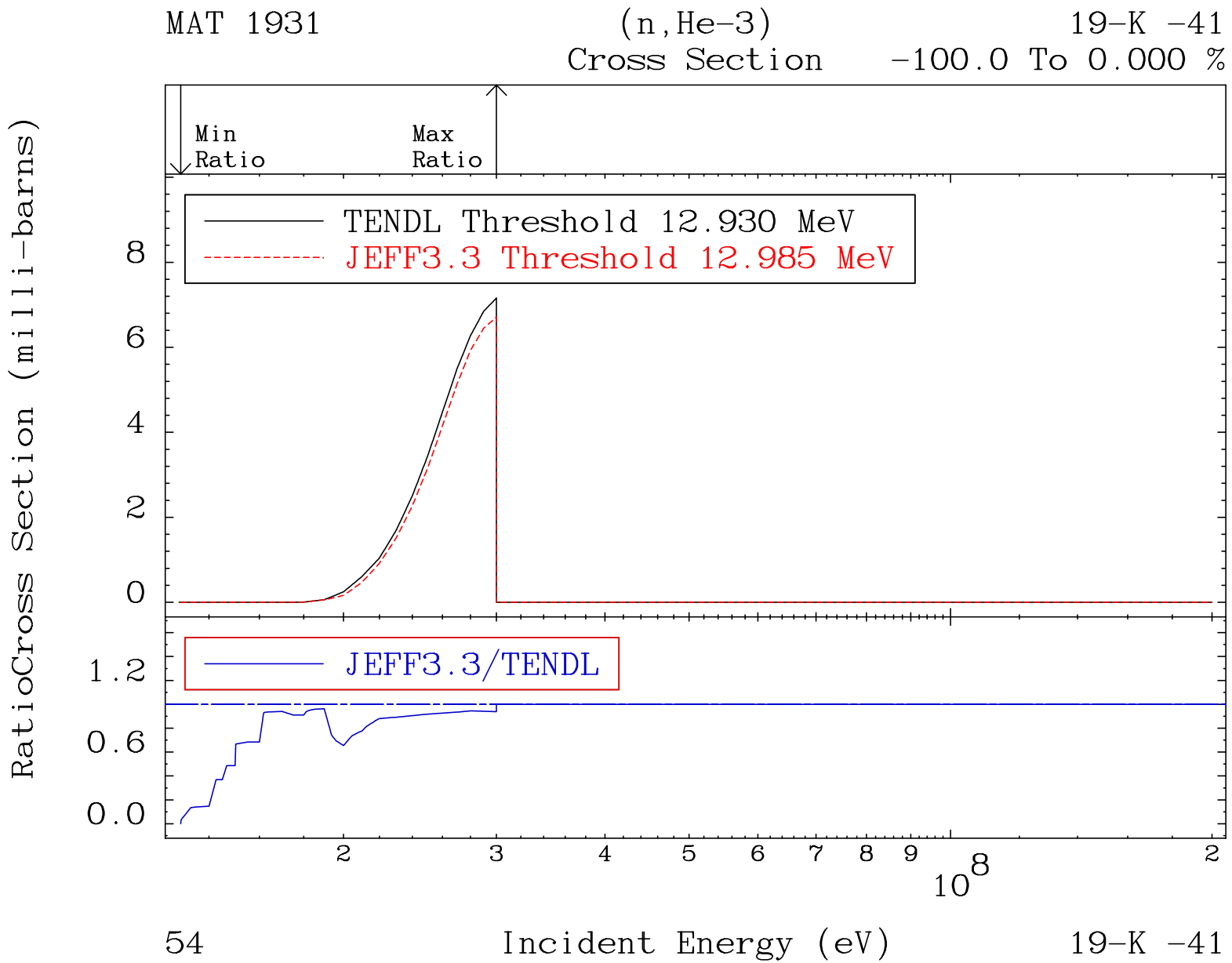

MAT 1931
(n,n') Continuum
Cross Section
19-K -41
-0.018 To 39.24 %
Max Ratio
Min Ratio
TENDL Threshold 3.3152 MeV
JEFF3.3 Threshold 3.3093 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
1.6
1.4
1.2
1.0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
49
19-K -41

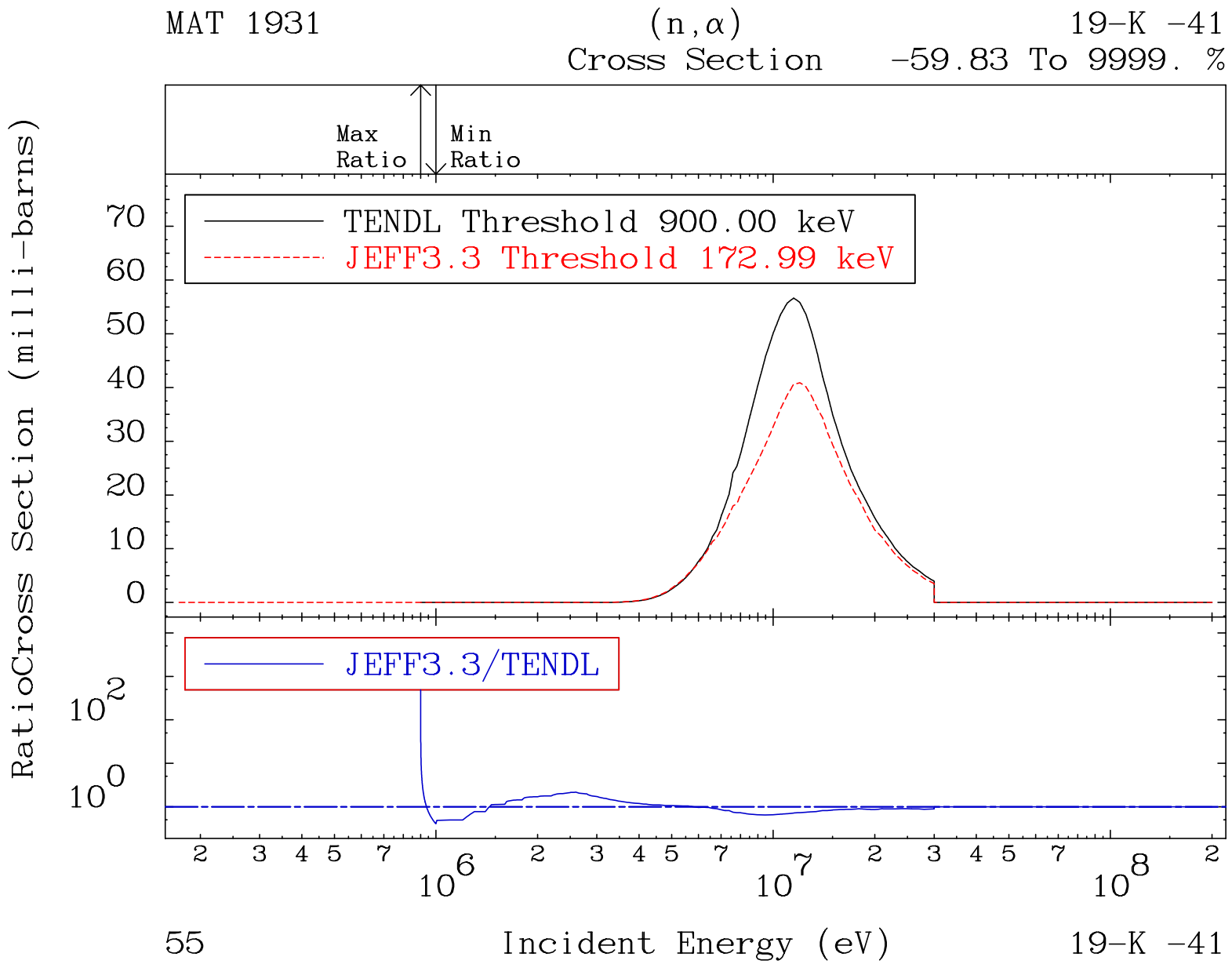

MAT 1931
(n,γ)
Cross Section
19-K -41
-99.85 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
50
19-K -41

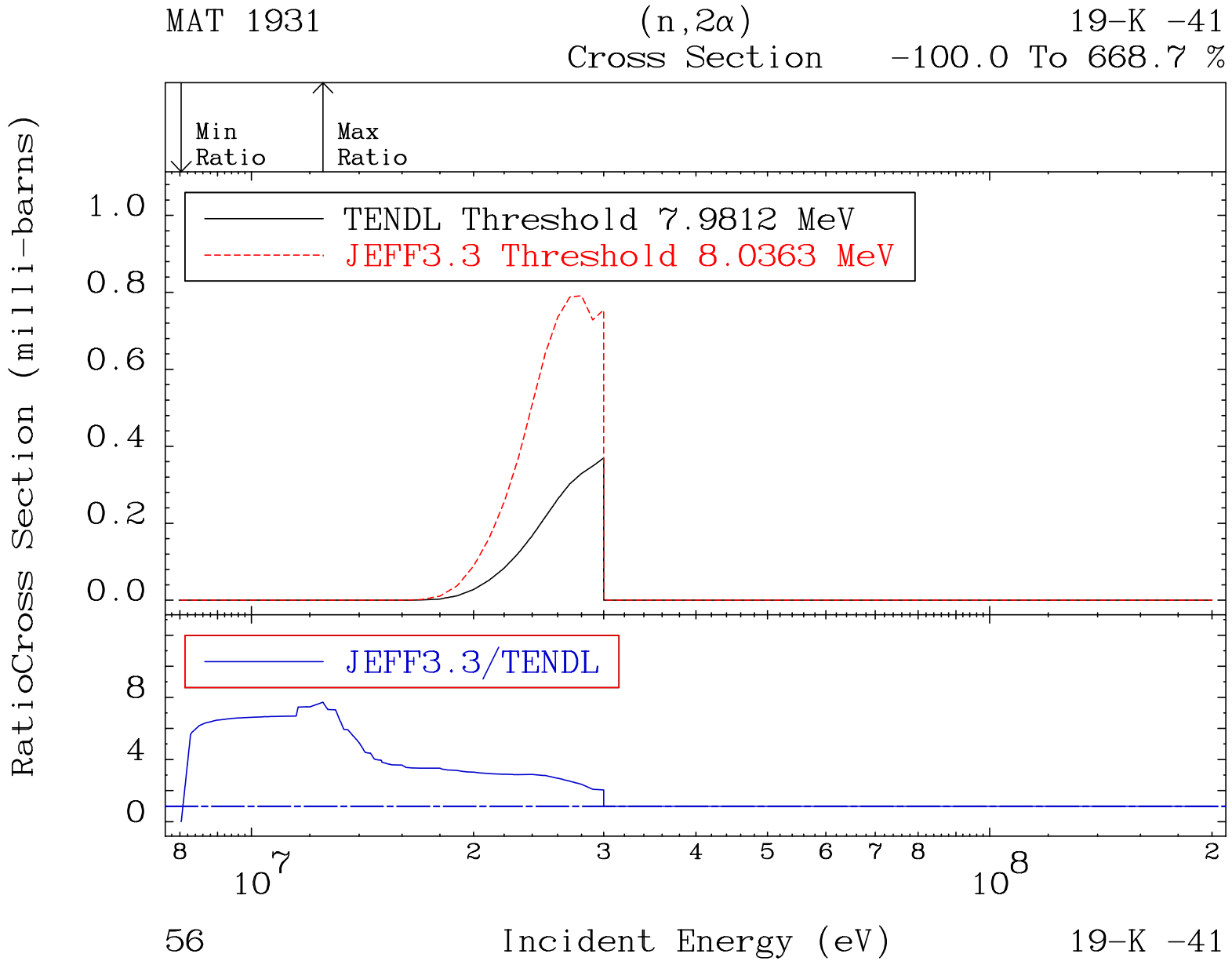

MAT 1931
(n,p)
Cross Section
19-K -41
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 1.7518 MeV
JEFF3.3 Threshold 1.8069 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
51
Incident Energy (eV)
19-K -41

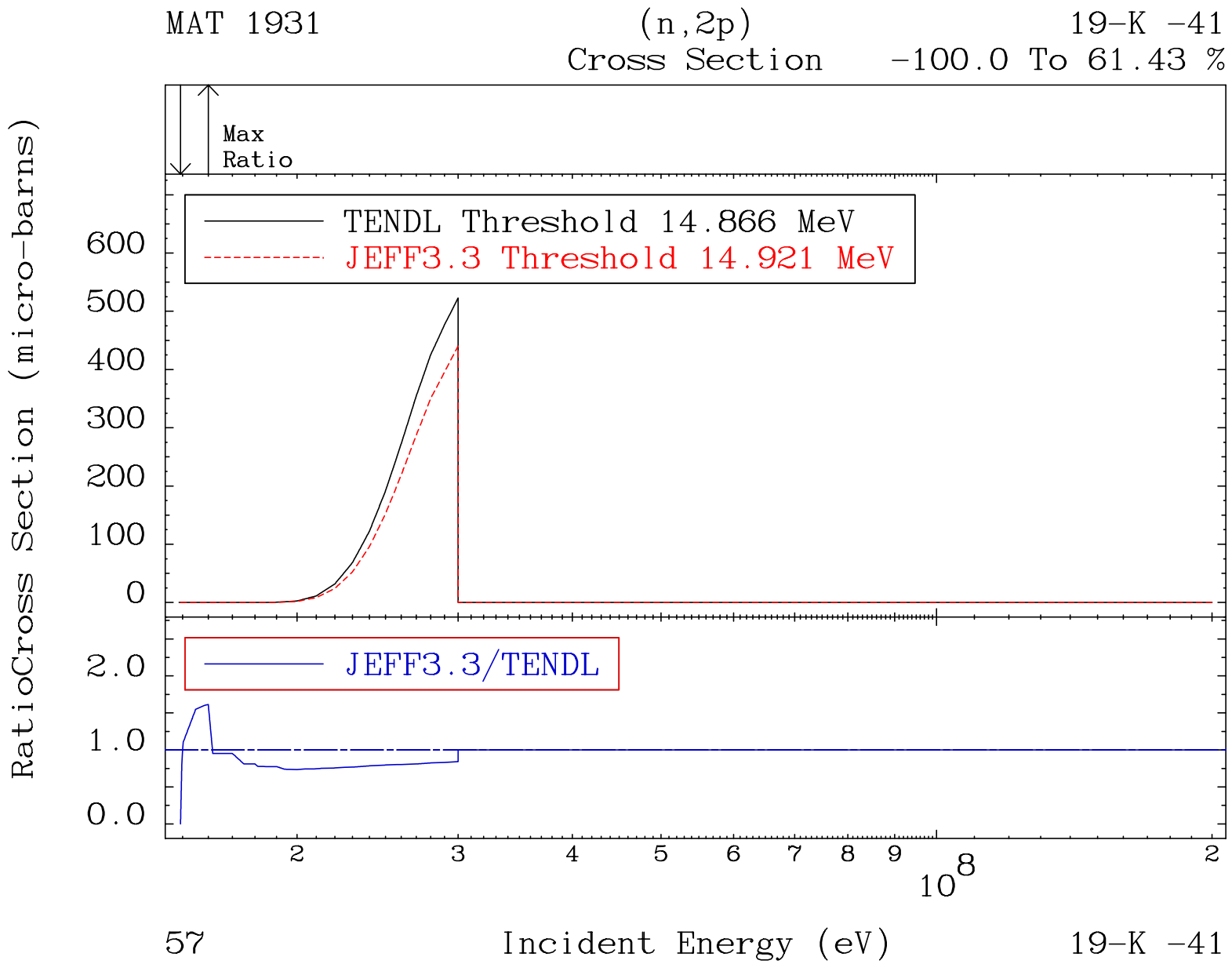

MAT 1931
(n,d)
19-K -41
Cross Section
-99.83 To 178.3 %
Max
Ratio
TENDL Threshold 5.7216 MeV
JEFF3.3 Threshold 5.6859 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
10^{0}
10^{-2}
6 7 8
10^{7}
2 3 4 5 6 7 8
10^{8}
2
52
Incident Energy (eV)
19-K -41

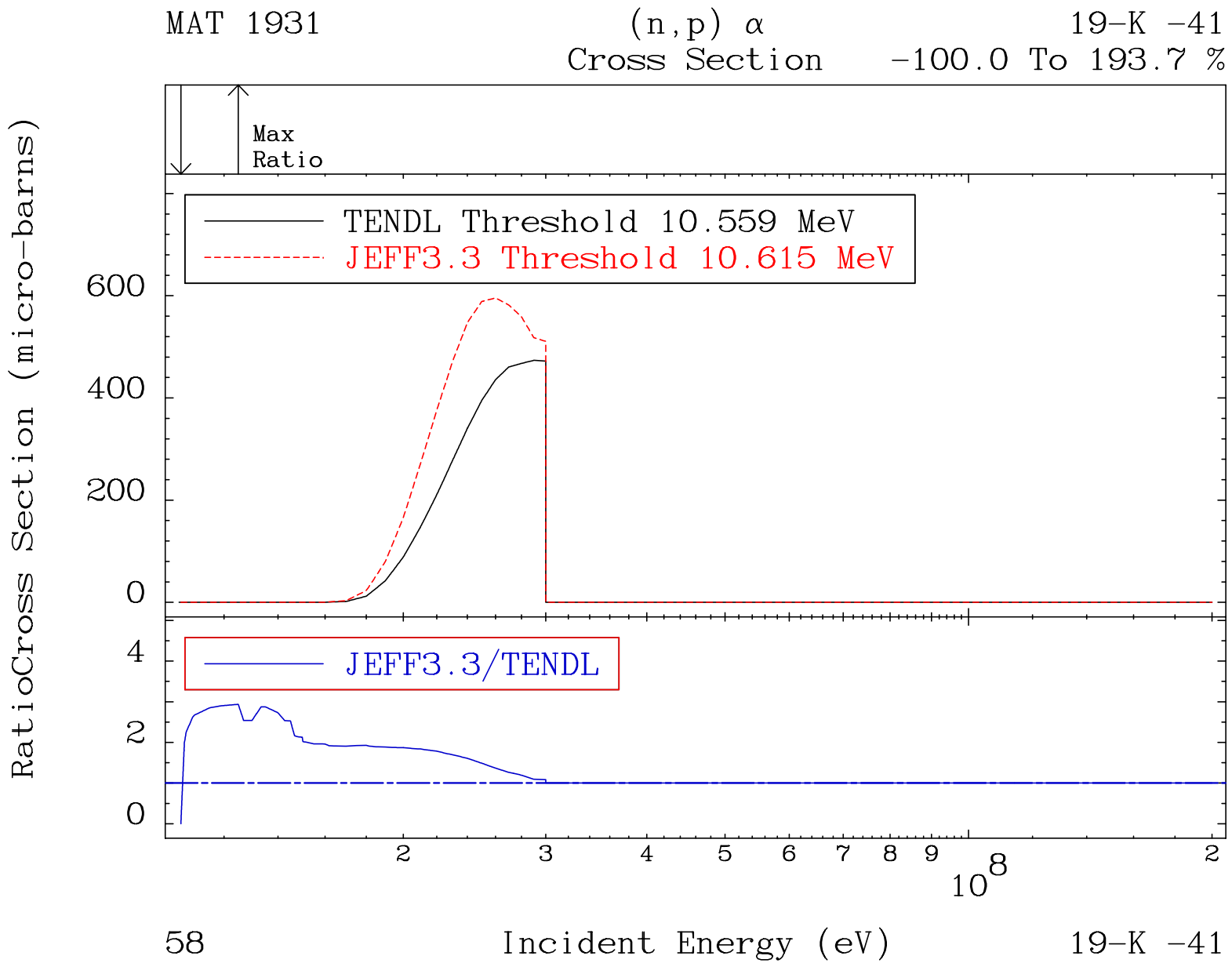

MAT 1931
(n,t)
19-K -41
Cross Section
-100.0 To 25.71 %
Min Ratio
Max Ratio
TENDL Threshold 9.4223 MeV
JEFF3.3 Threshold 9.4774 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
14
12
10
8
6
4
2
0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
53
Incident Energy (eV)
19-K -41

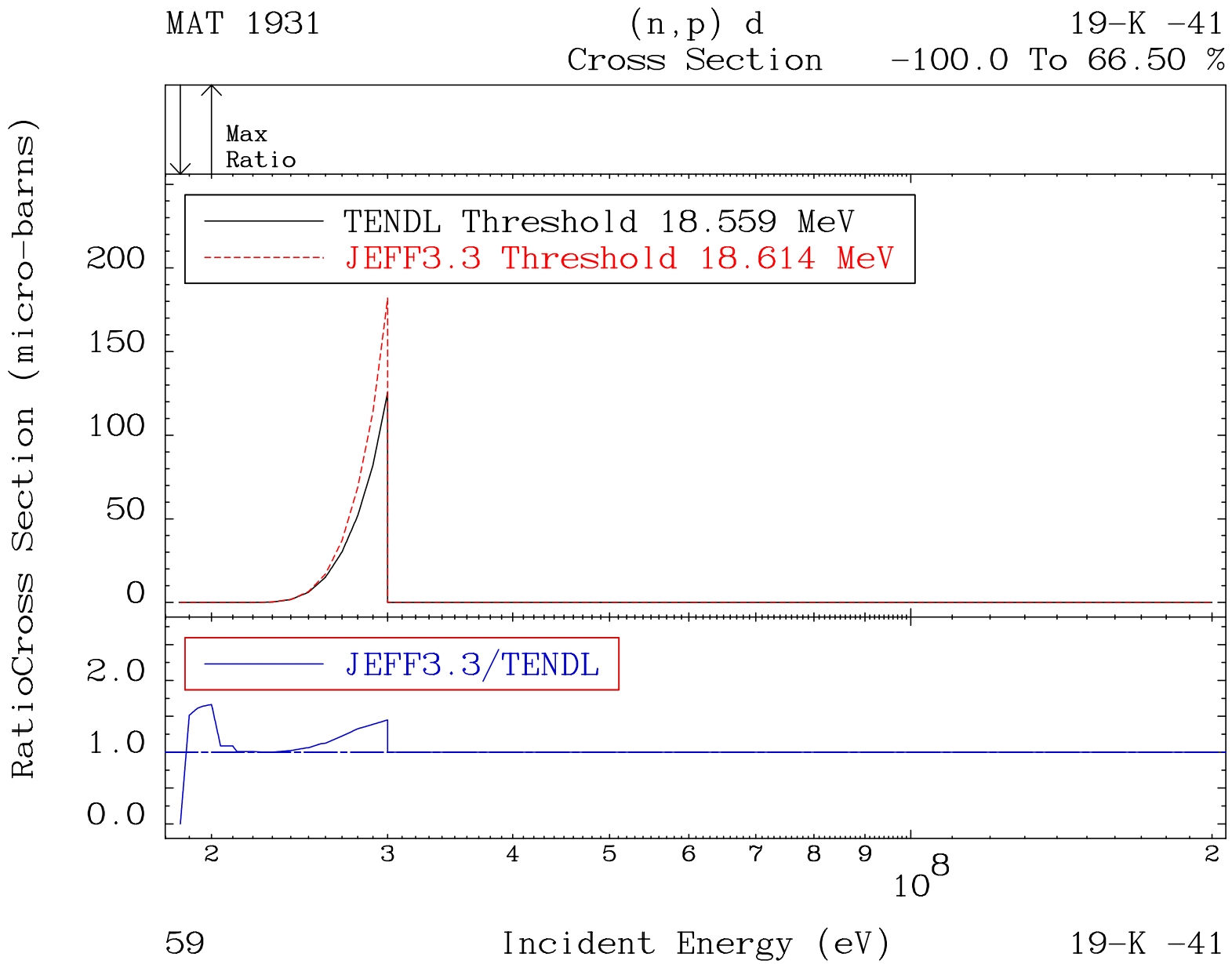

MAT 1931
(n,He-3)
Cross Section
19-K -41
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 12.930 MeV
JEFF3.3 Threshold 12.985 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
8
6
4
2
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
54
Incident Energy (eV)
19-K -41

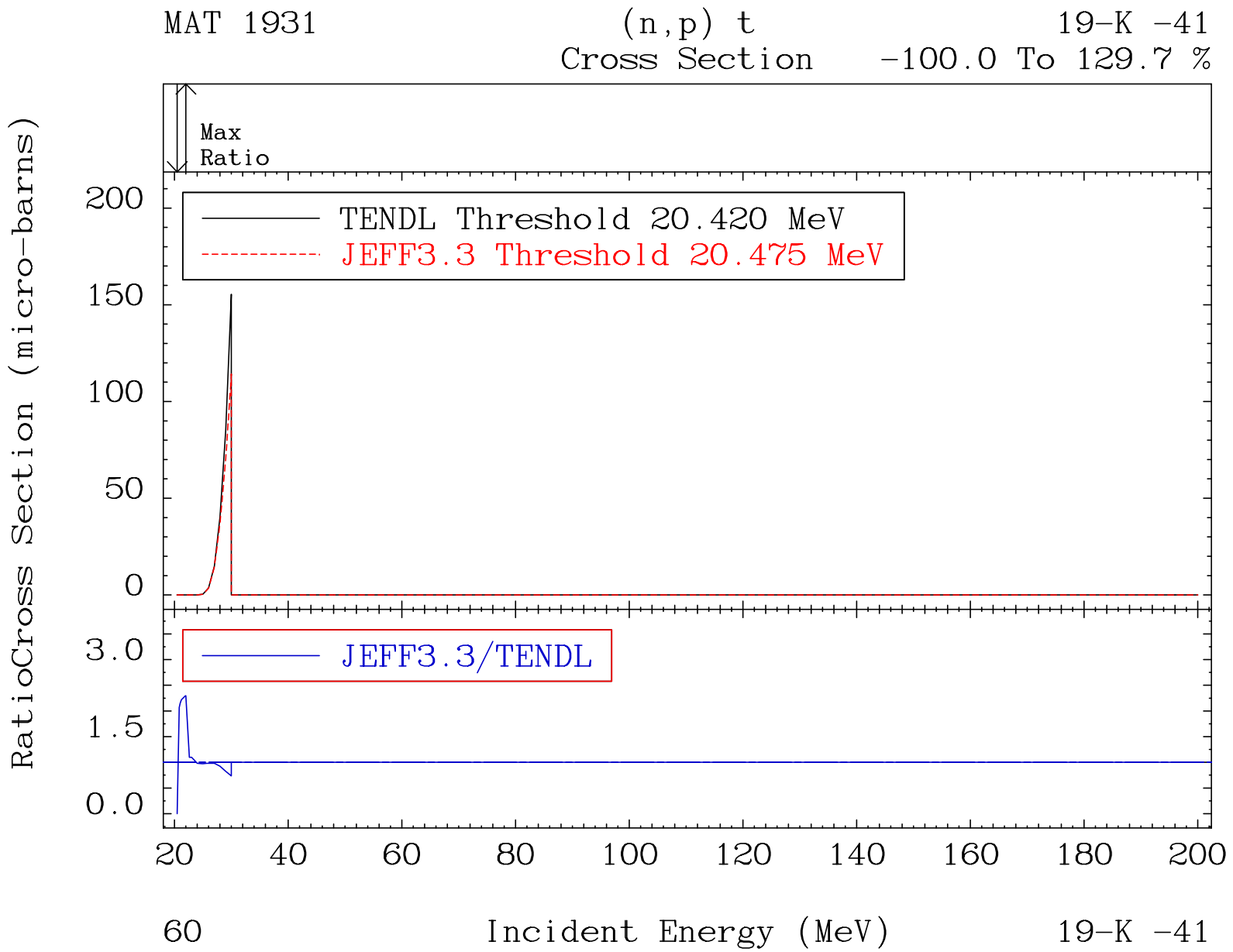

MAT 1931
(n,α)
Cross Section
19-K -41
-59.83 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 900.00 keV
JEFF3.3 Threshold 172.99 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
10^2
10^0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
55
Incident Energy (eV)
19-K -41

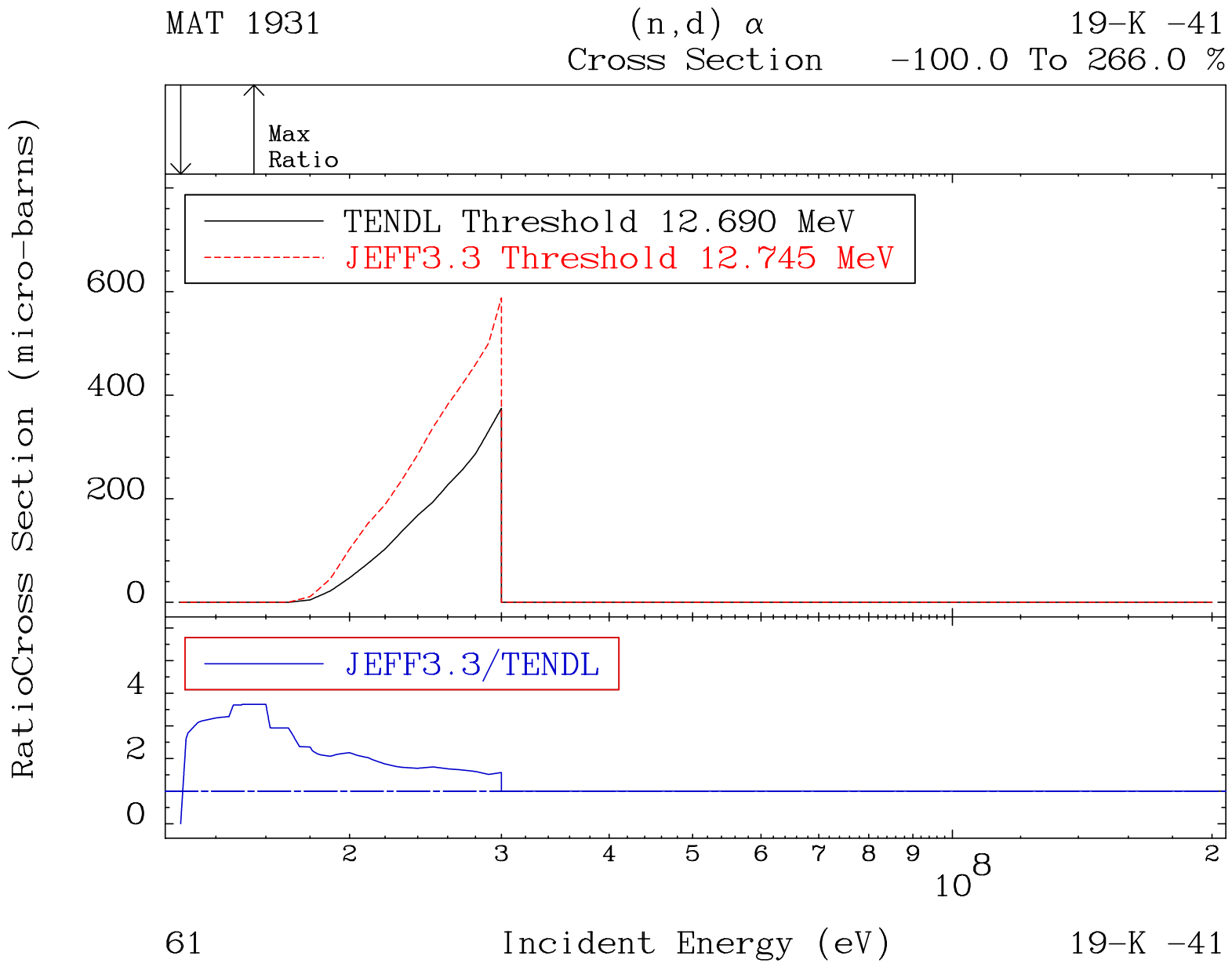

MAT 1931
(n,2α)
19-K -41
Cross Section
-100.0 To 668.7 %
Min Ratio
Max Ratio
TENDL Threshold 7.9812 MeV
JEFF3.3 Threshold 8.0363 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
8
4
0
8
2
3
4
5
6
7
8
2
10^7
10^8
56
Incident Energy (eV)
19-K -41

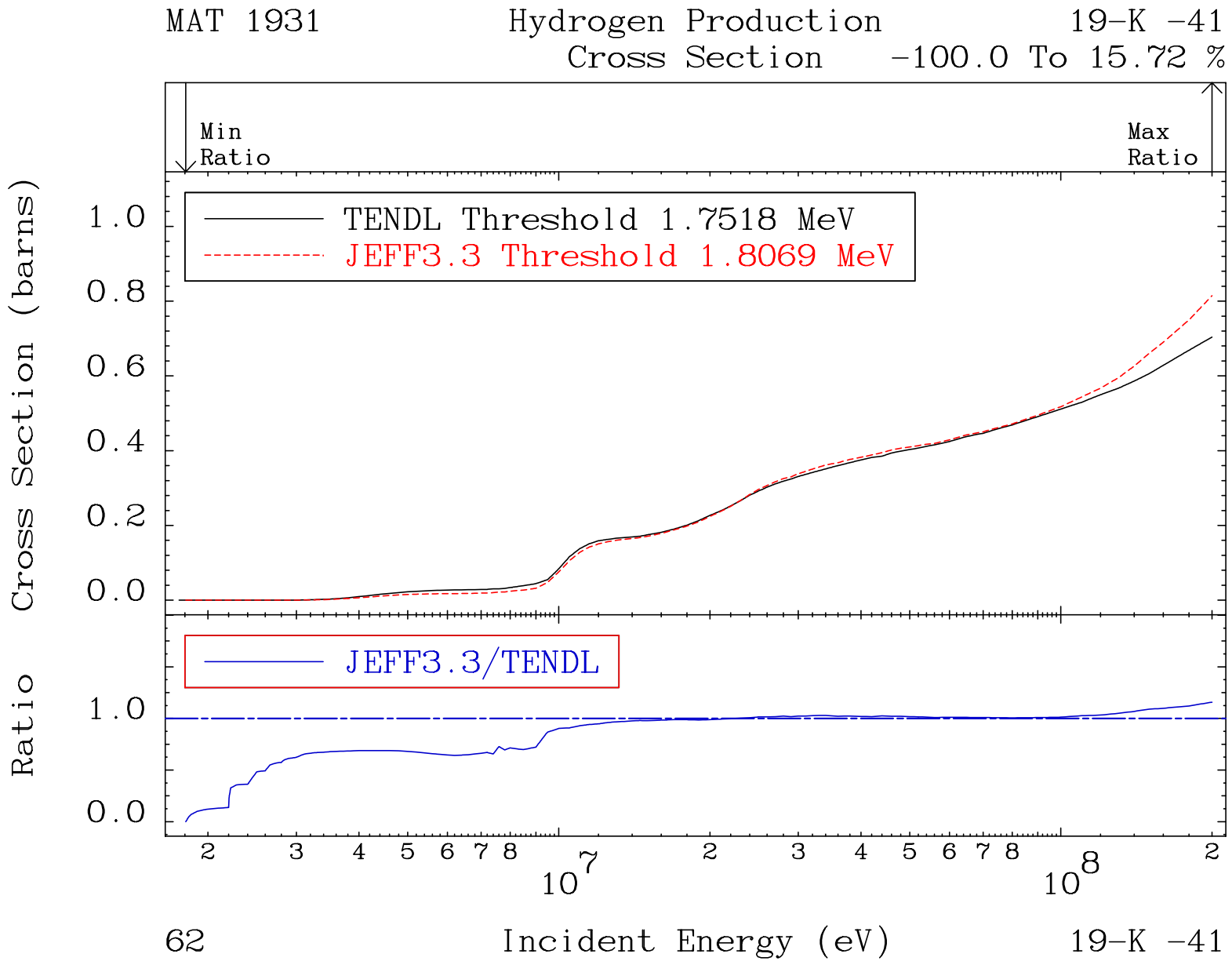

MAT 1931
(n,2p)
Cross Section
19-K -41
-100.0 To 61.43 %
Max
Ratio
TENDL Threshold 14.866 MeV
JEFF3.3 Threshold 14.921 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
600
500
400
300
200
100
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
57
Incident Energy (eV)
19-K -41

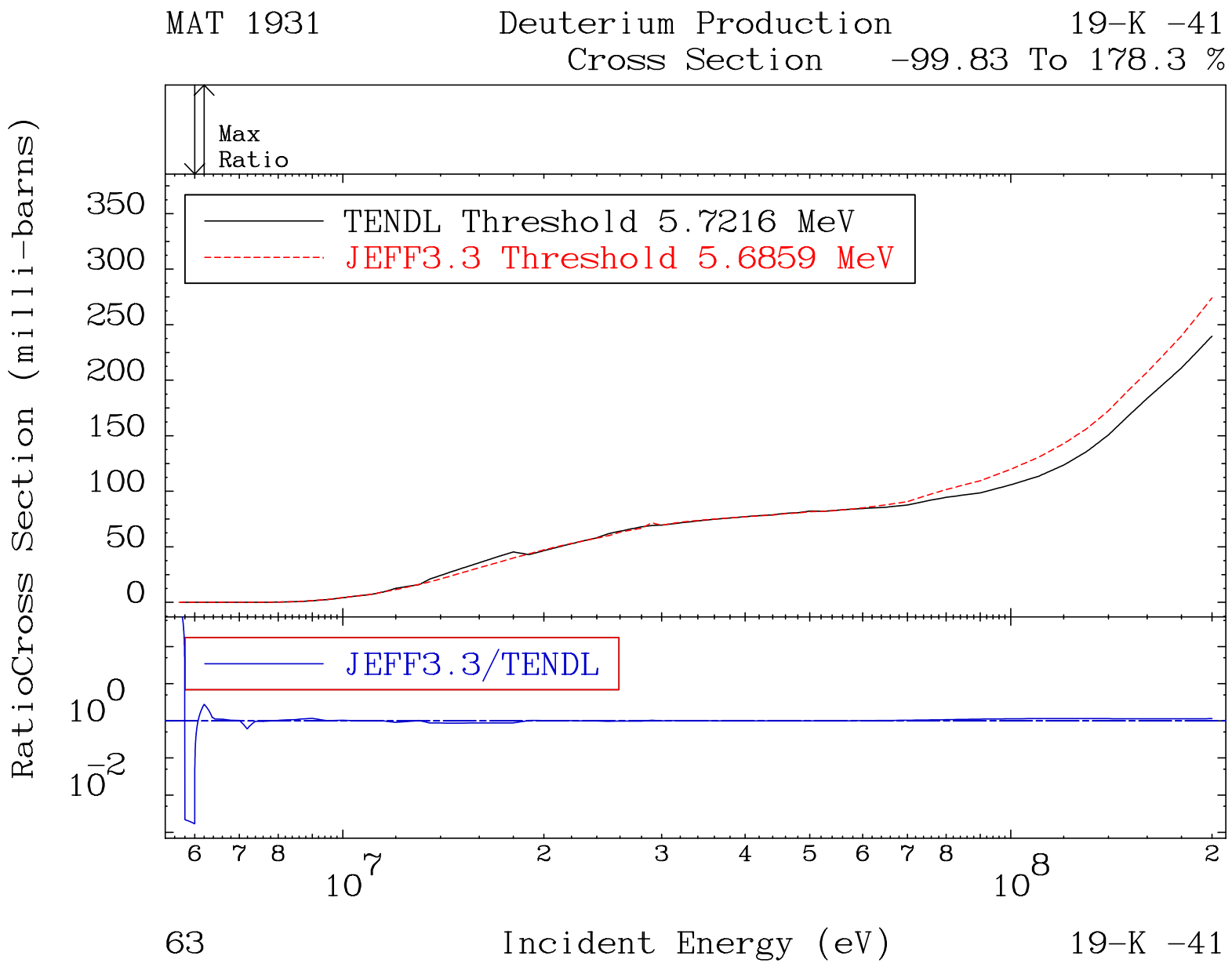

MAT 1931
(n,p) α
Cross Section
19-K -41
-100.0 To 193.7 %
Max
Ratio
TENDL Threshold 10.559 MeV
JEFF3.3 Threshold 10.615 MeV
600
400
200
0
JEFF3.3/TENDL
4
2
0
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (micro-barns)
58
Incident Energy (eV)
19-K -41

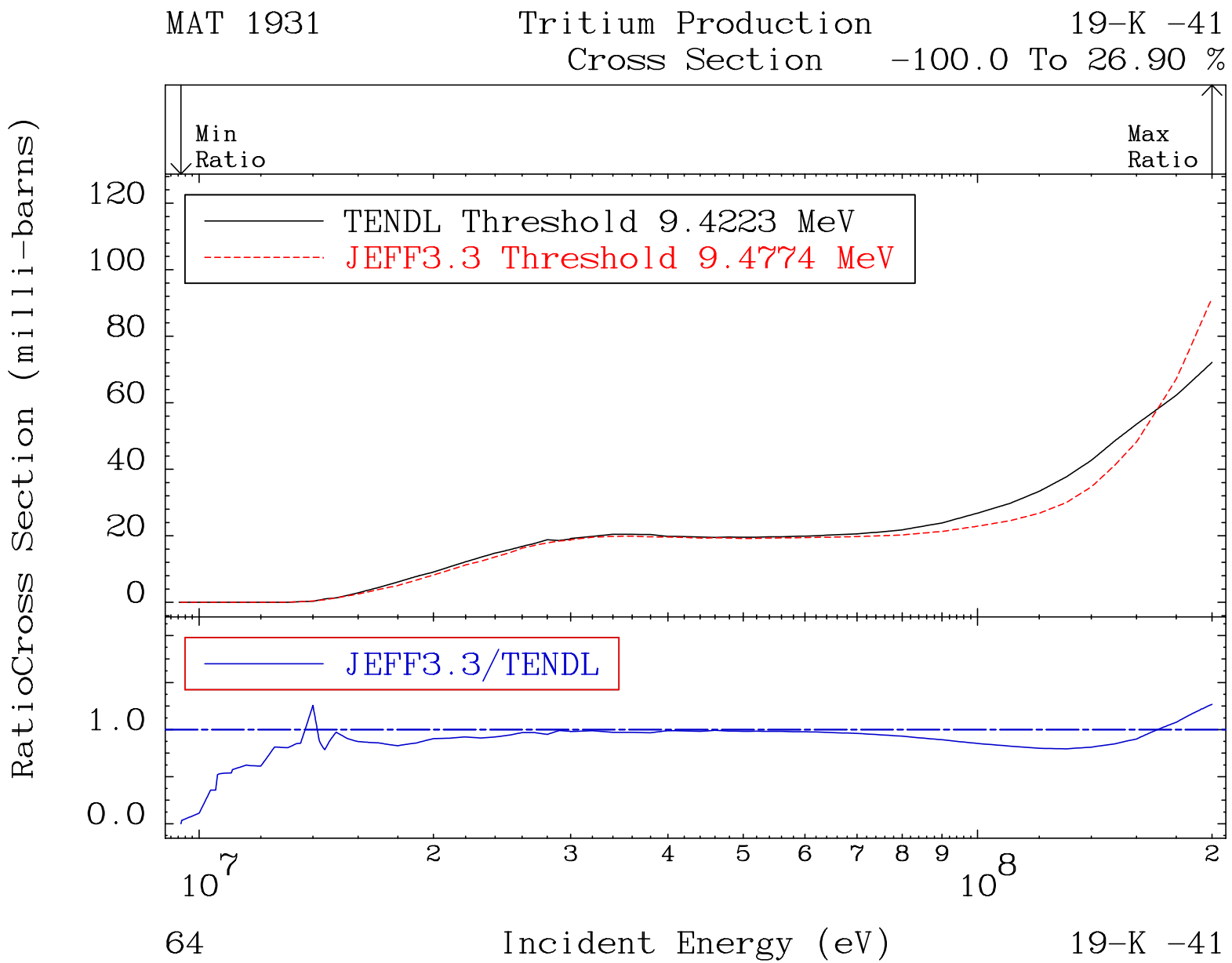

MAT 1931
(n,p) d
Cross Section
19-K -41
-100.0 To 66.50 %
Max
Ratio
TENDL Threshold 18.559 MeV
JEFF3.3 Threshold 18.614 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
200
150
100
50
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
59
Incident Energy (eV)
19-K -41

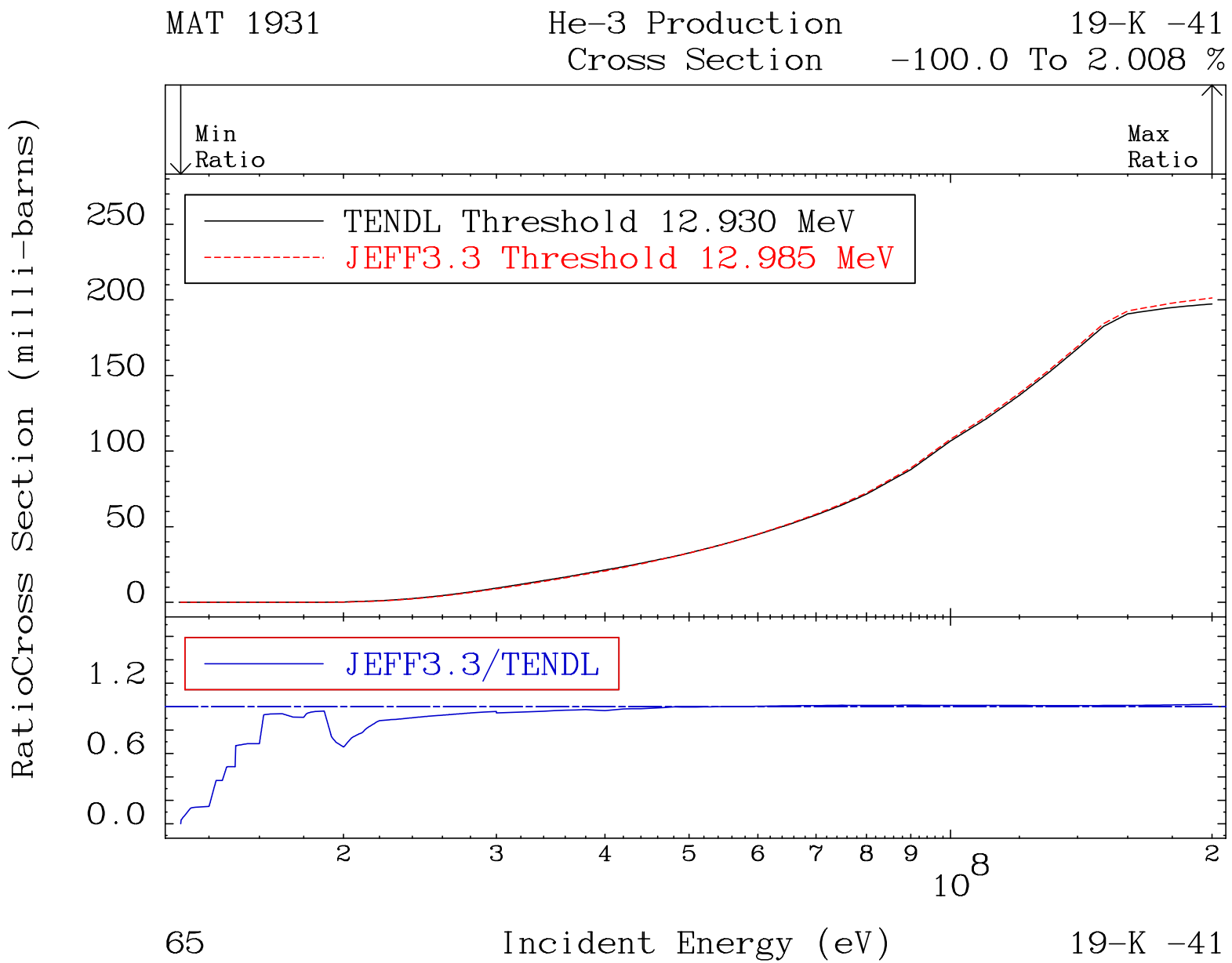

MAT 1931
(n,p) t
Cross Section
19-K -41
-100.0 To 129.7 %
Max
Ratio
TENDL Threshold 20.420 MeV
JEFF3.3 Threshold 20.475 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
200
150
100
50
0
3.0
1.5
0.0
20
40
60
80
100
120
140
160
180
200
60
Incident Energy (MeV)
19-K -41

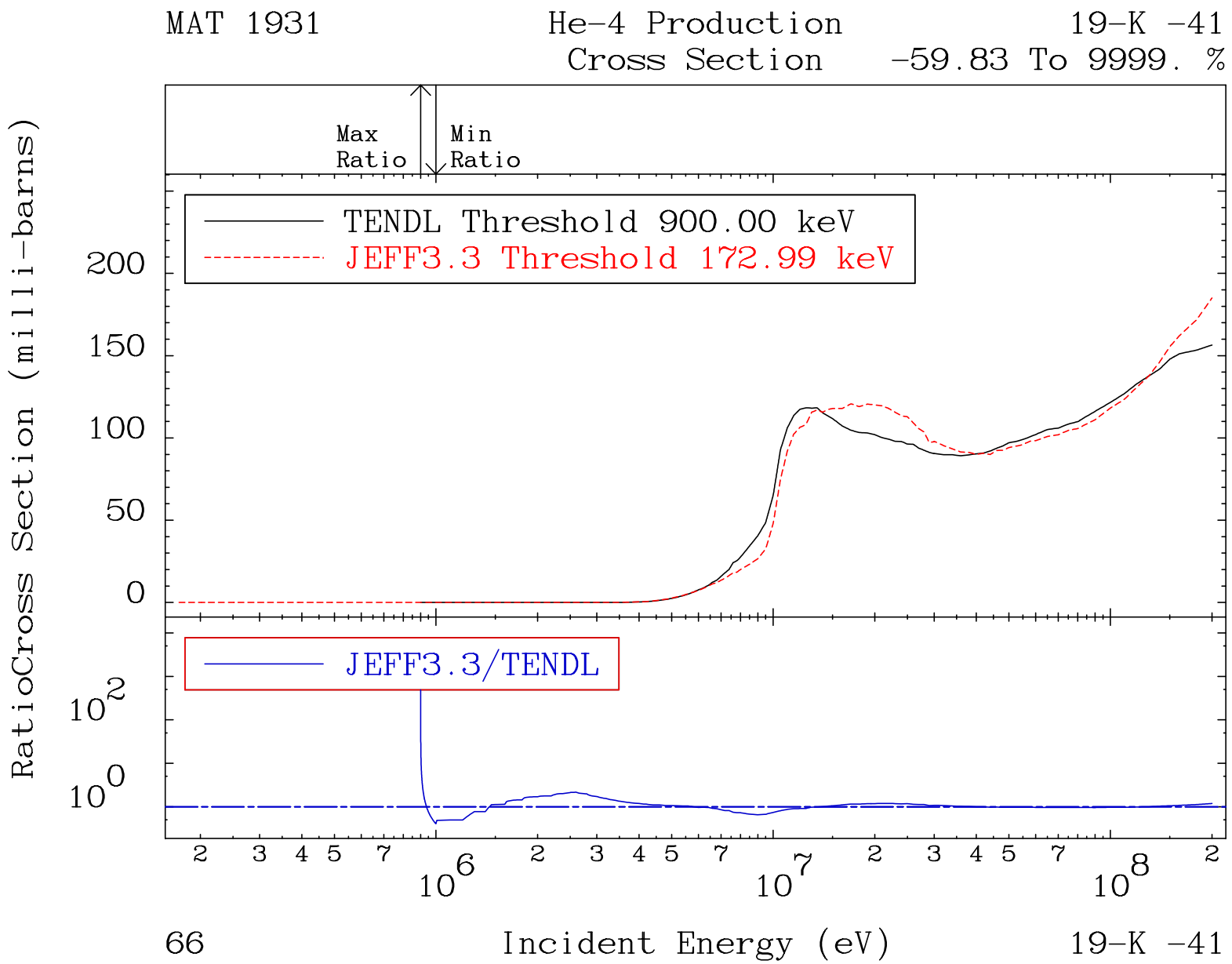

MAT 1931
(n,d) α
Cross Section
19-K -41
-100.0 To 266.0 %
Max
Ratio
TENDL Threshold 12.690 MeV
JEFF3.3 Threshold 12.745 MeV
600
400
200
0
JEFF3.3/TENDL
4
2
0
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (micro-barns)
61
Incident Energy (eV)
19-K -41

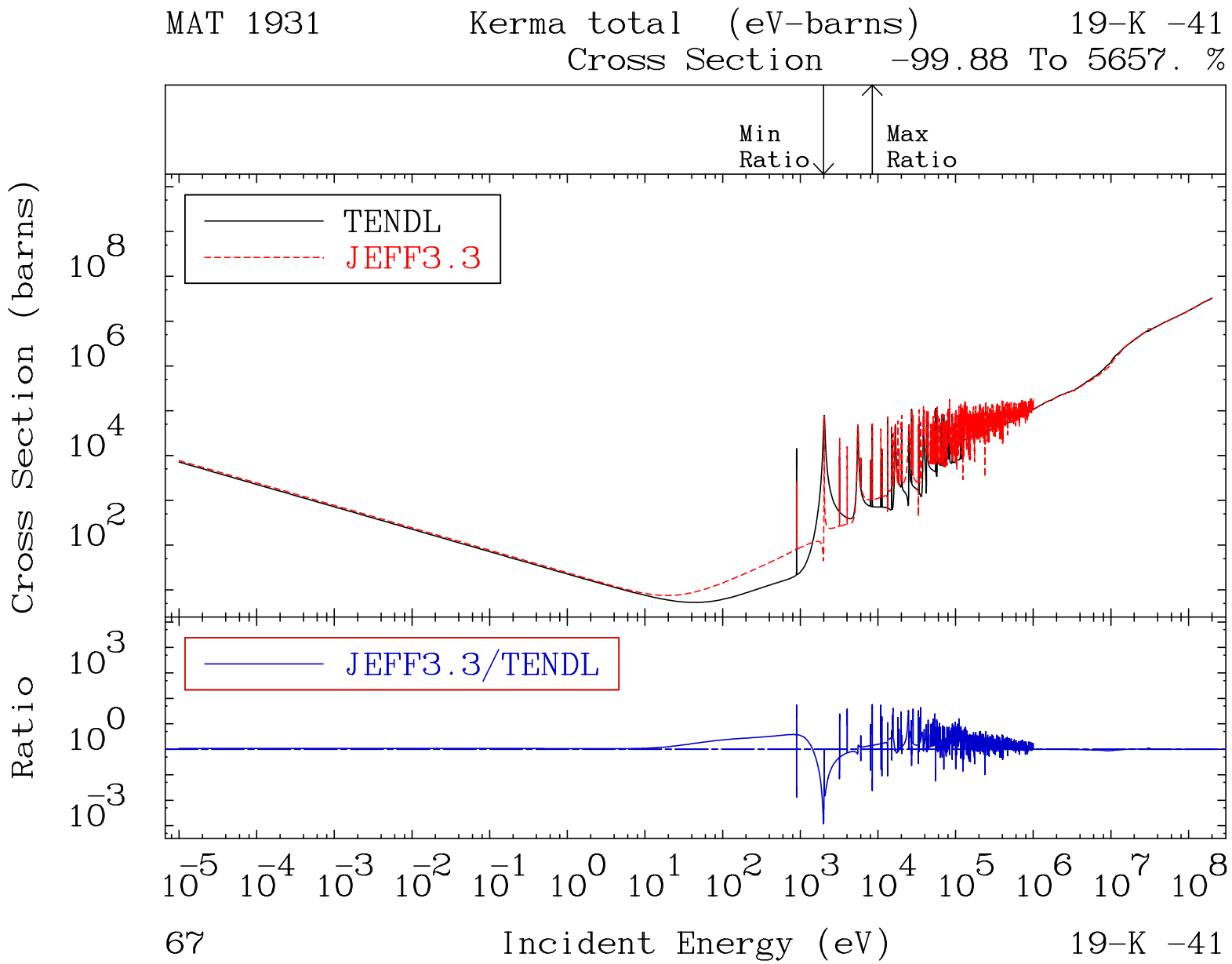

MAT 1931
Hydrogen Production
19-K -41
Cross Section -100.0 To 15.72 %
Min Ratio
Max Ratio
TENDL Threshold 1.7518 MeV
JEFF3.3 Threshold 1.8069 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
62
Incident Energy (eV)
19-K -41

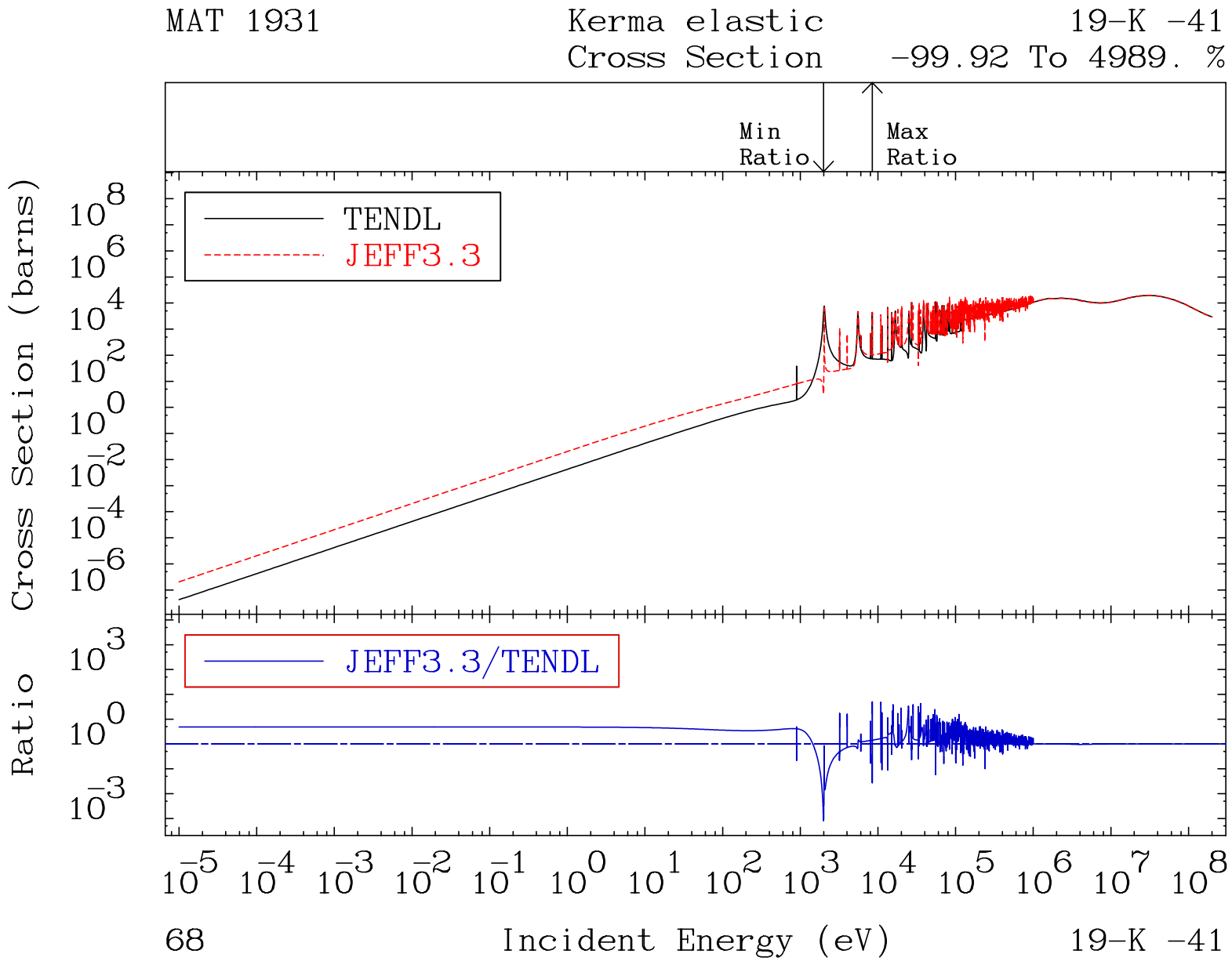

MAT 1931
Deuterium Production
19-K -41
Cross Section -99.83 To 178.3 %
Max
Ratio
TENDL Threshold 5.7216 MeV
JEFF3.3 Threshold 5.6859 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
10^{0}
10^{-2}
6 7 8
10^{7}
2 3 4 5 6 7 8
10^{8}
2
63
Incident Energy (eV)
19-K -41

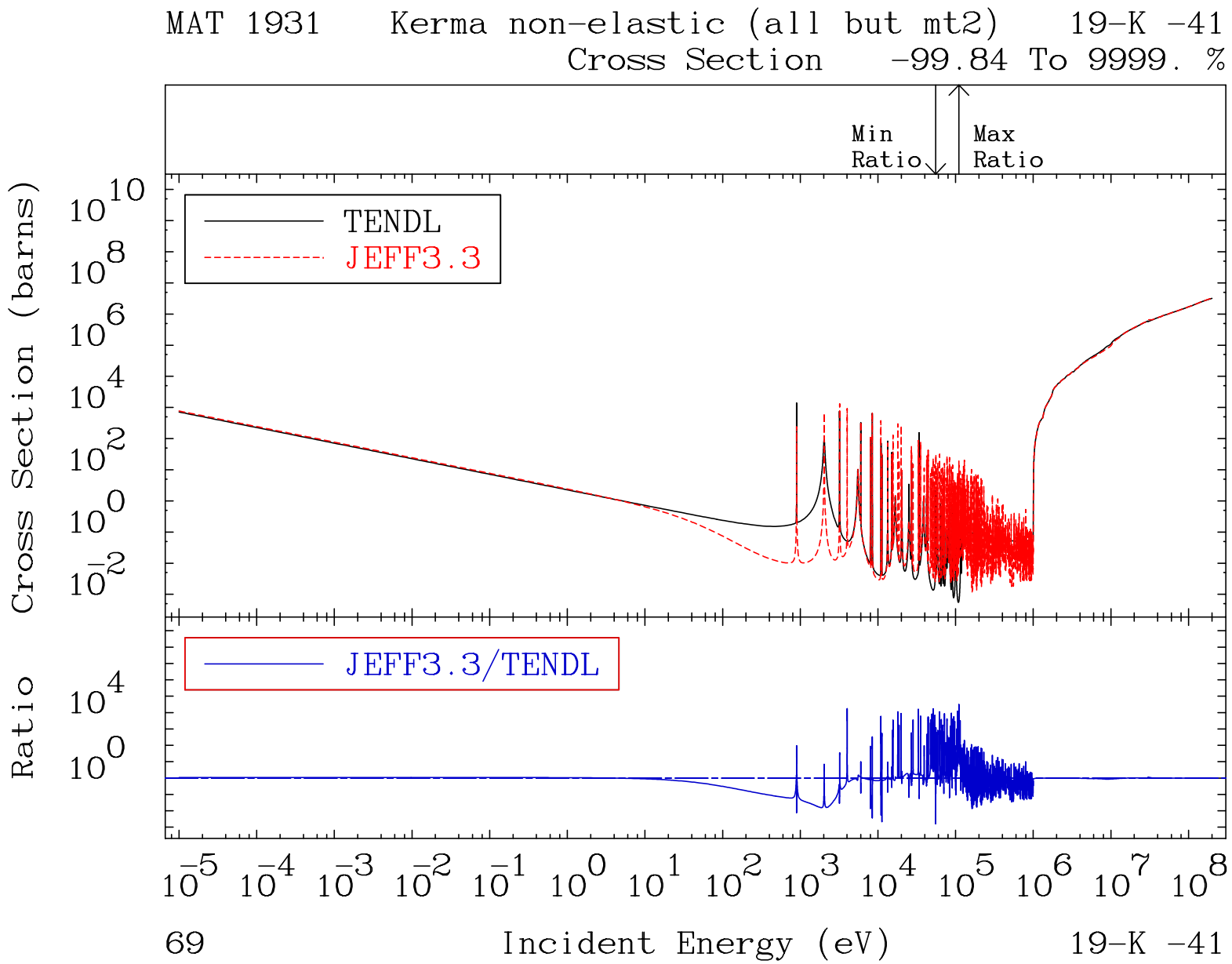

MAT 1931
Tritium Production
19-K -41
Cross Section
-100.0 To 26.90 %
Min
Ratio
Max
Ratio
TENDL Threshold 9.4223 MeV
JEFF3.3 Threshold 9.4774 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
64
Incident Energy (eV)
19-K -41

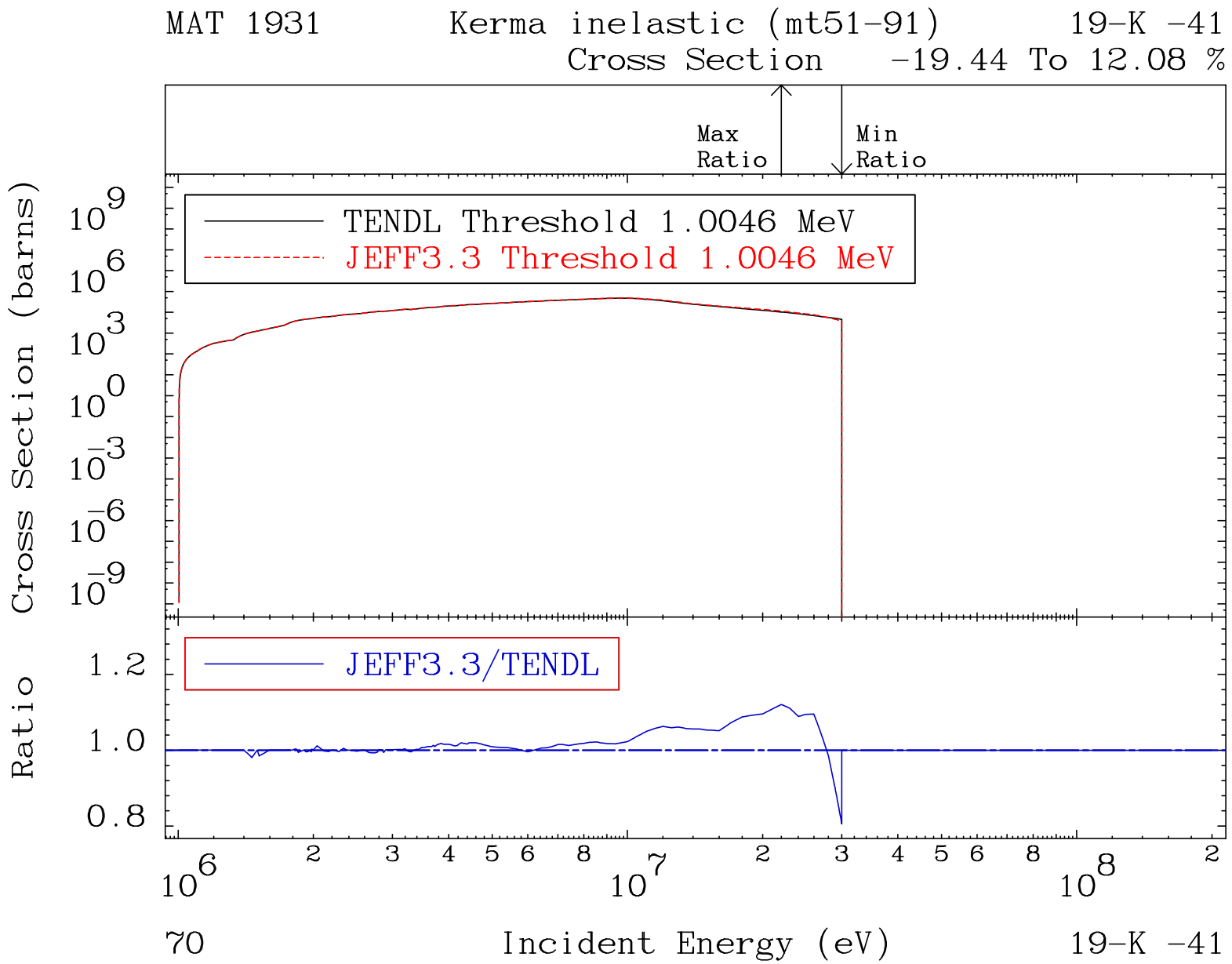

MAT 1931
He-3 Production
Cross Section
19-K -41
-100.0 To 2.008 %
Min
Ratio
Max
Ratio
TENDL Threshold 12.930 MeV
JEFF3.3 Threshold 12.985 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
65
Incident Energy (eV)
19-K -41

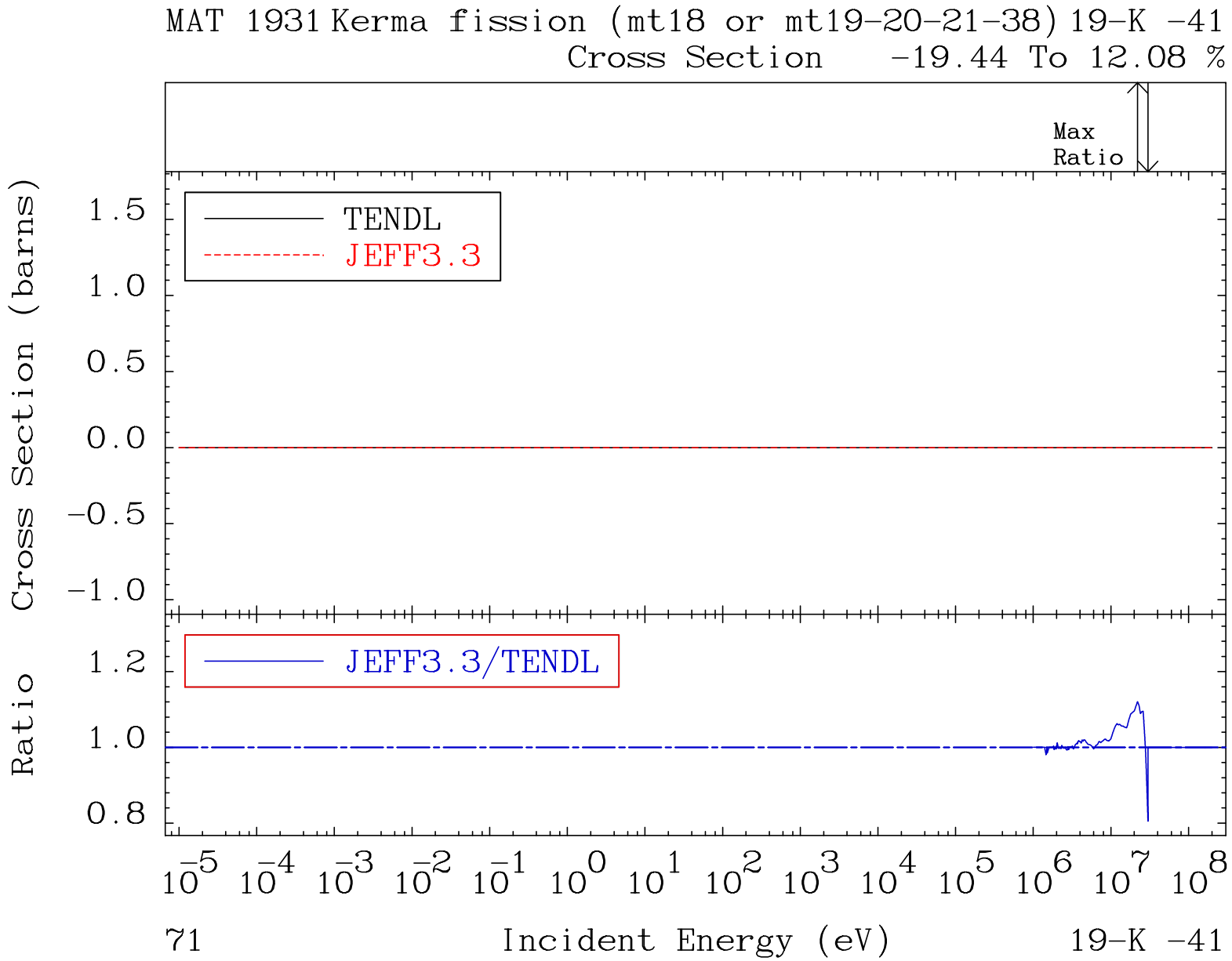

MAT 1931
He-4 Production
Cross Section
19-K -41
-59.83 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 900.00 keV
JEFF3.3 Threshold 172.99 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
10^2
10^0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
66
Incident Energy (eV)
19-K -41

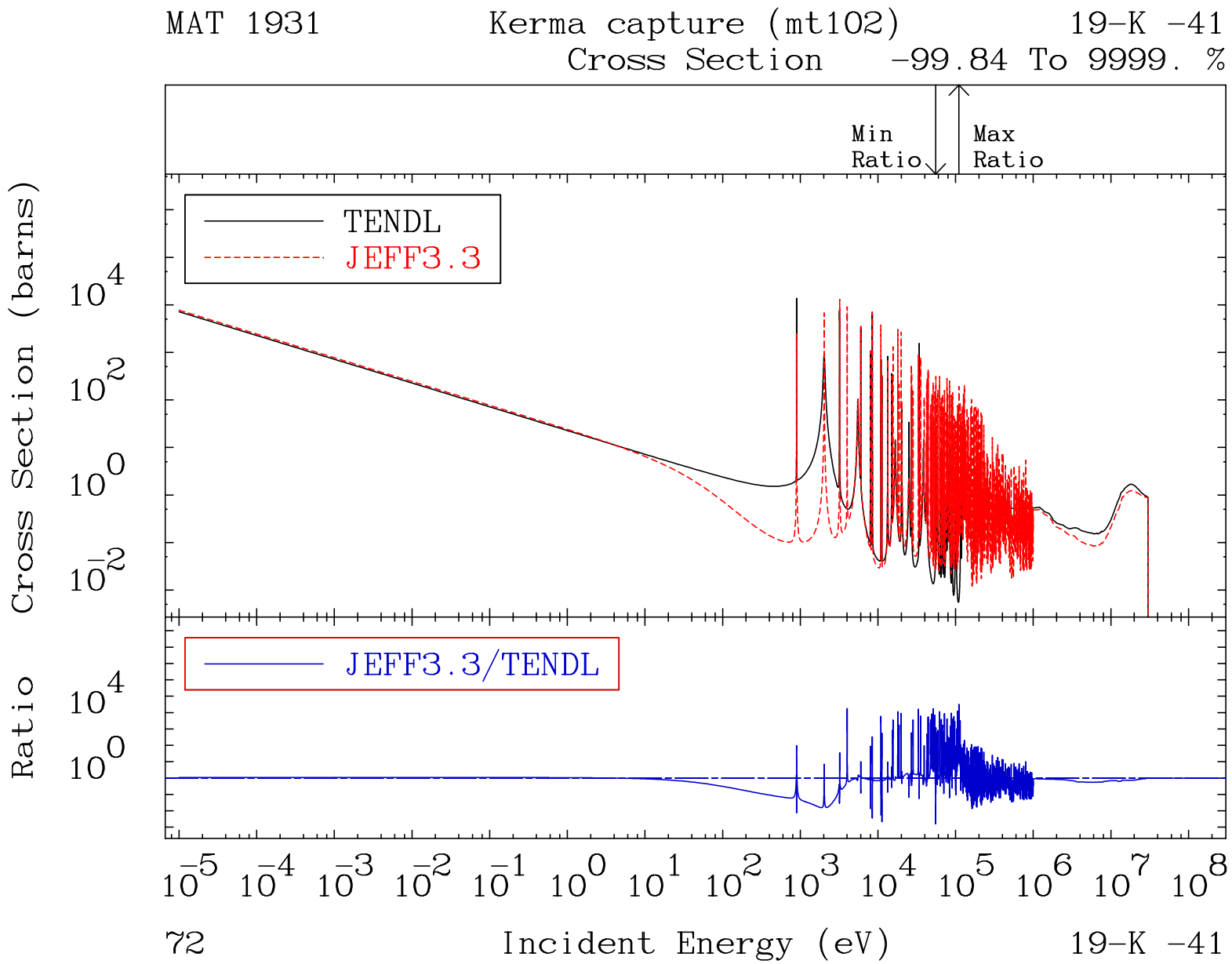

MAT 1931
Kerma total (eV-barns)
19-K -41
Cross Section -99.88 To 5657. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
67
19-K -41

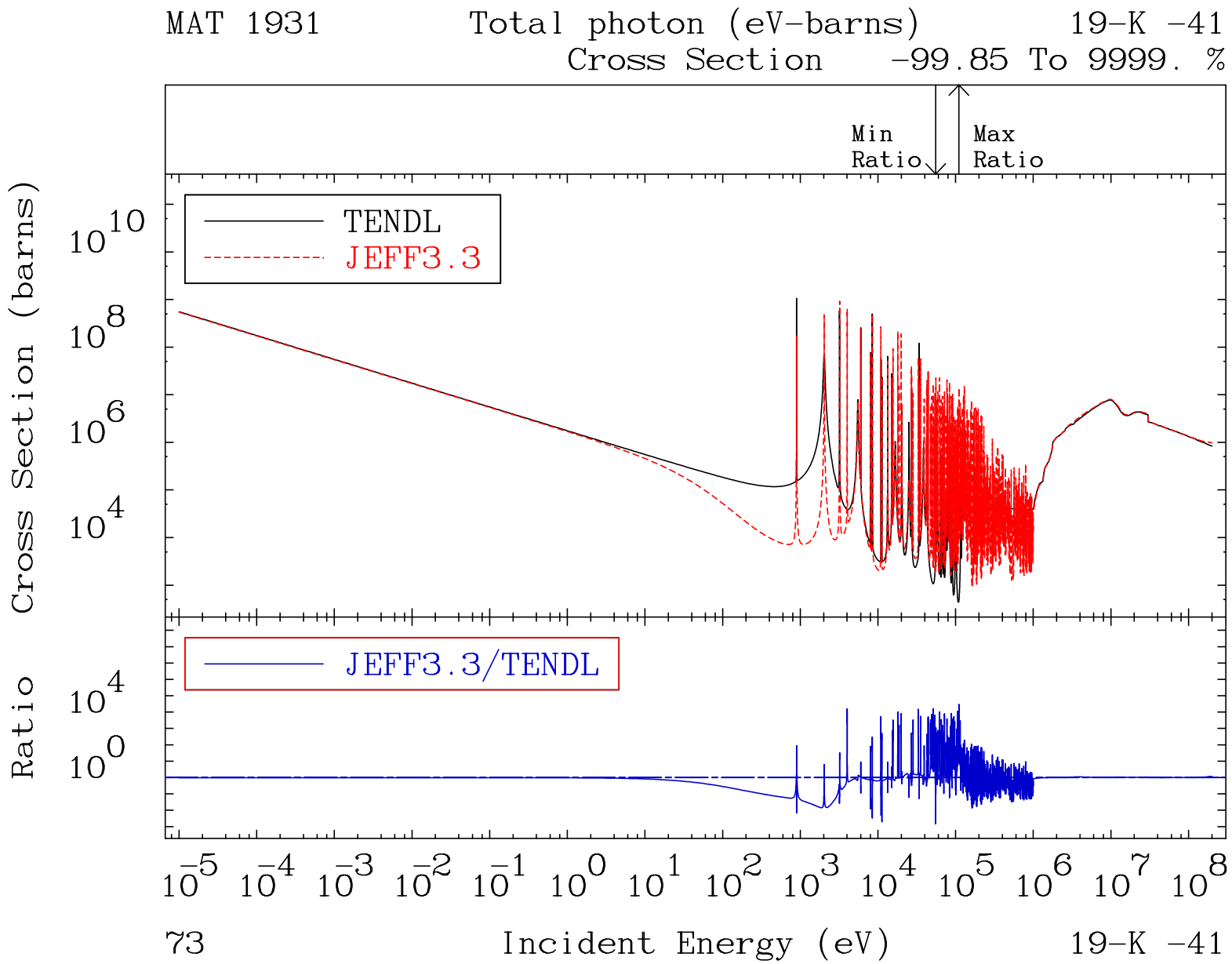

MAT 1931
Kerma elastic
Cross Section
19-K -41
-99.92 To 4989. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
68
19-K -41

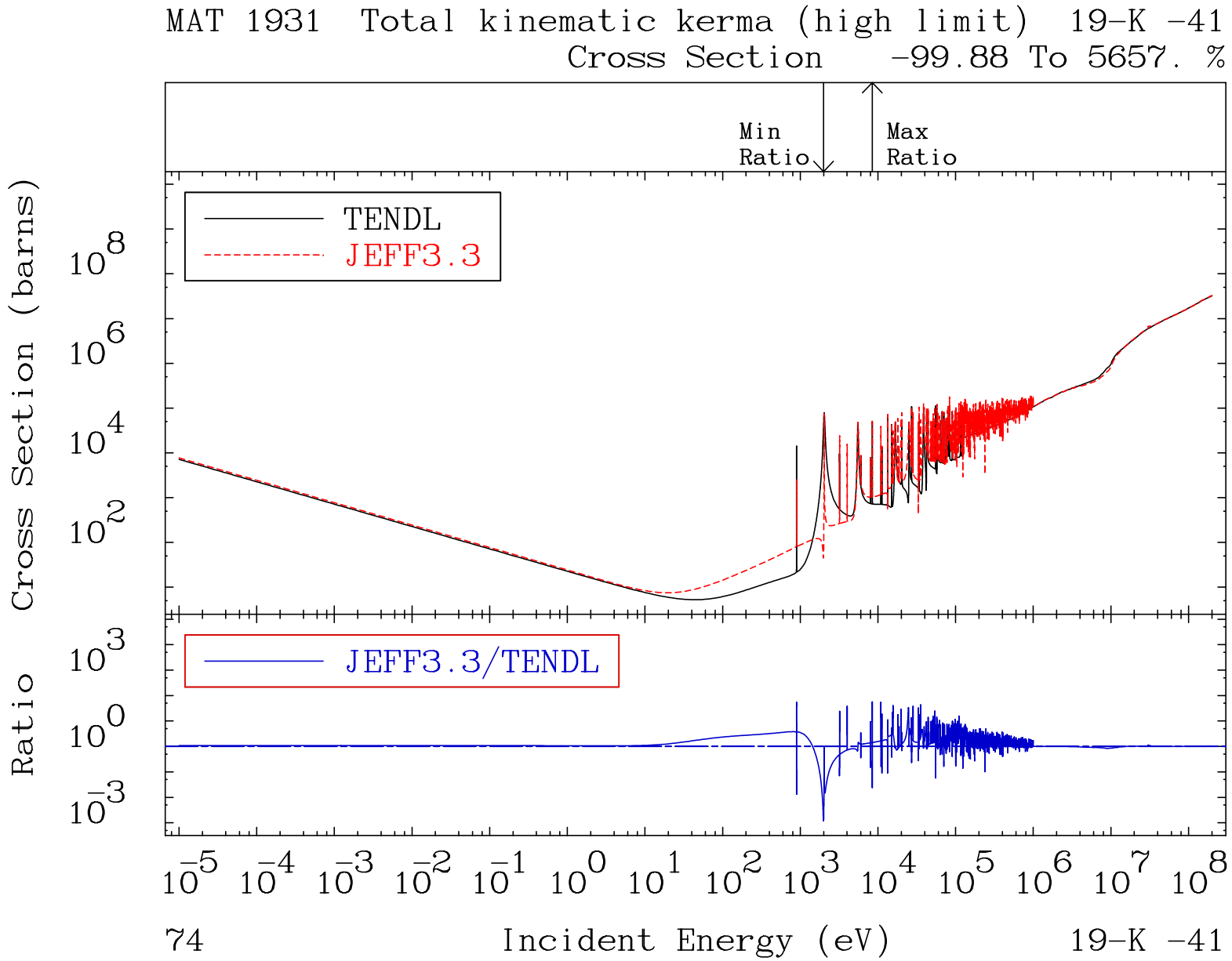

MAT 1931 Kerma non-elastic (all but mt2) 19-K -41
Cross Section -99.84 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
69
19-K -41

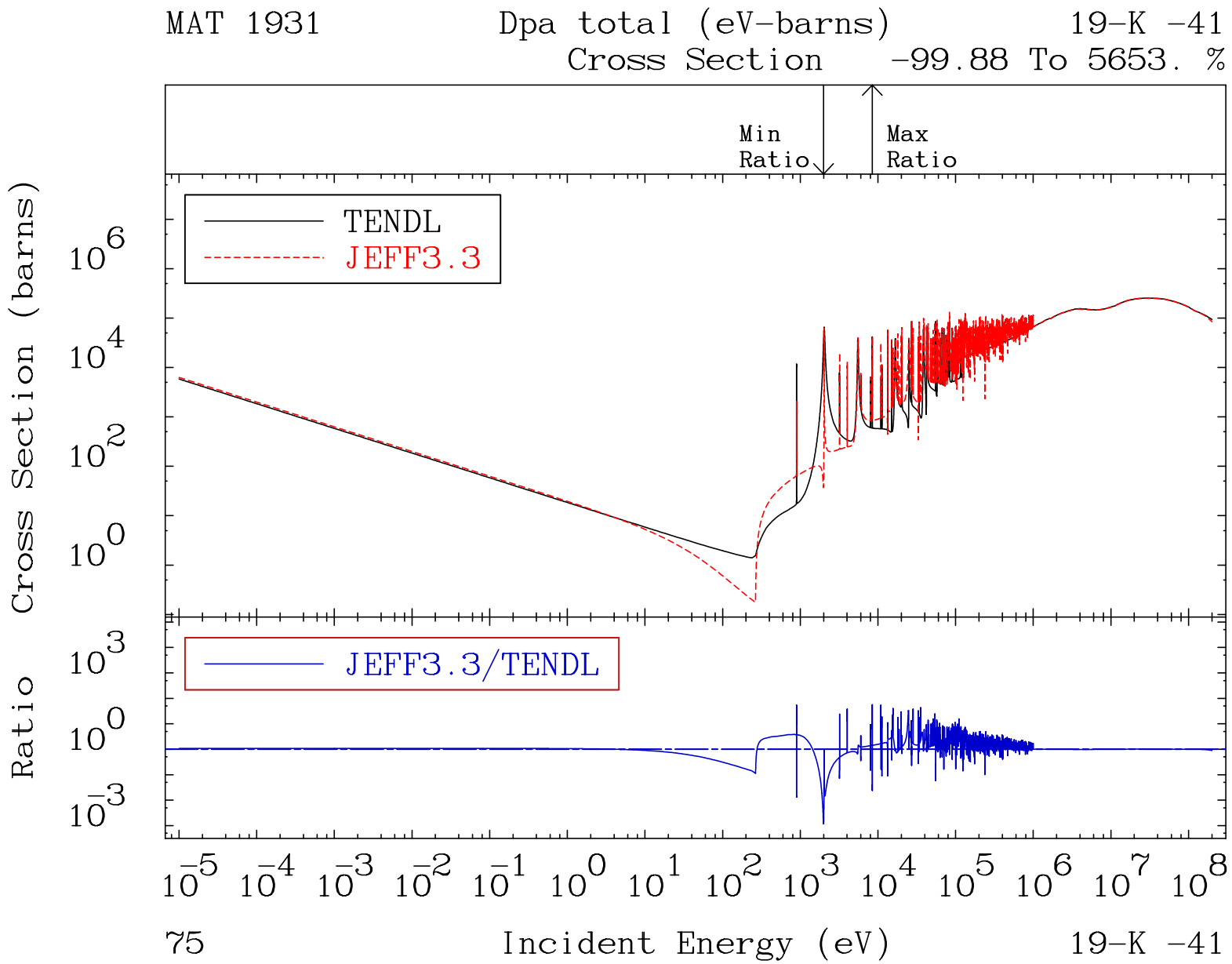

MAT 1931
Kerma inelastic (mt51-91)
19-K -41
Cross Section -19.44 To 12.08 %
Max Ratio
Min Ratio
TENDL Threshold 1.0046 MeV
JEFF3.3 Threshold 1.0046 MeV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
70
19-K -41

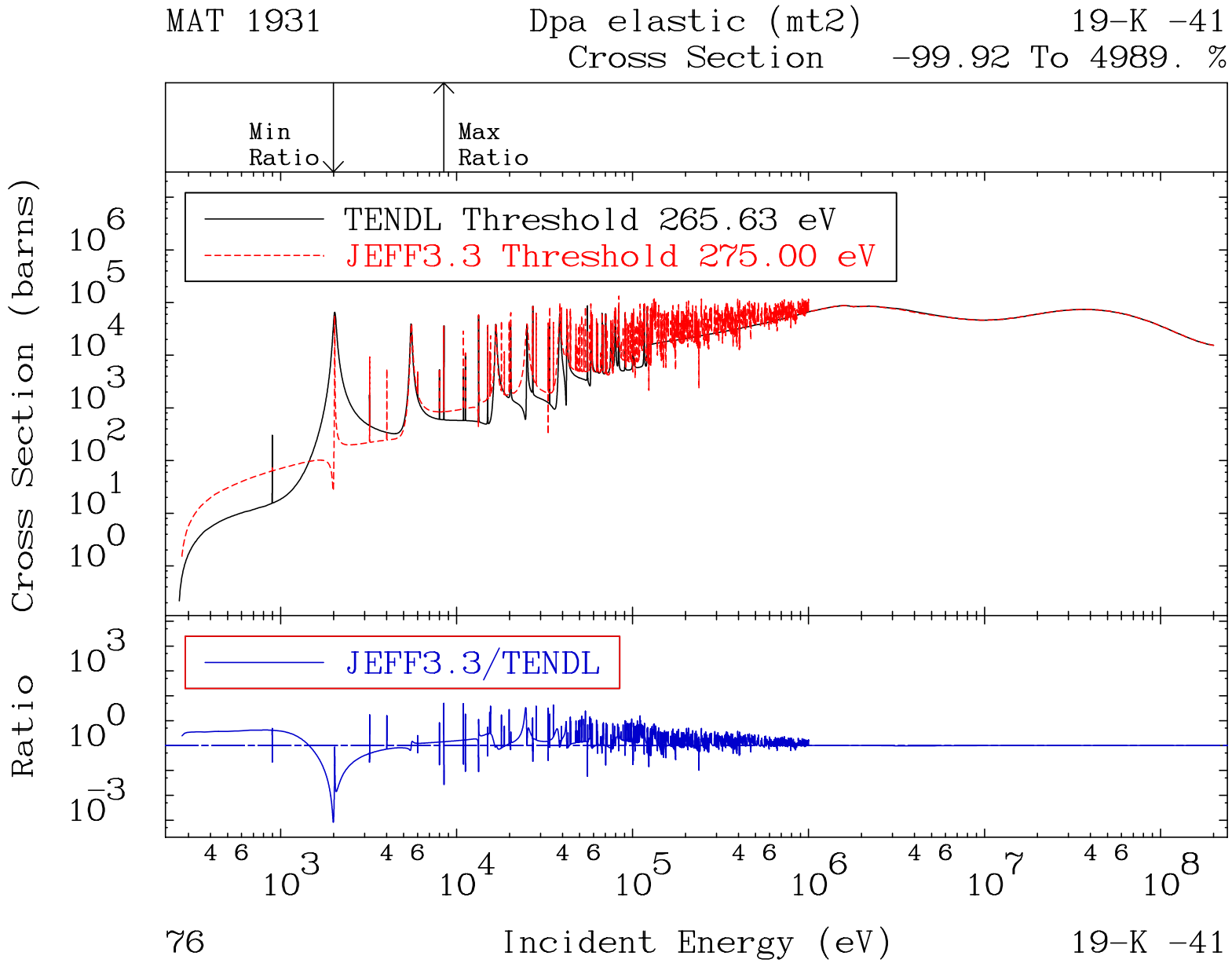

MAT 1931 Kerma fission (mt18 or mt19-20-21-38) 19-K -41
Cross Section -19.44 To 12.08 %
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
1.2
1.0
0.8
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
71
Incident Energy (eV)
19-K -41

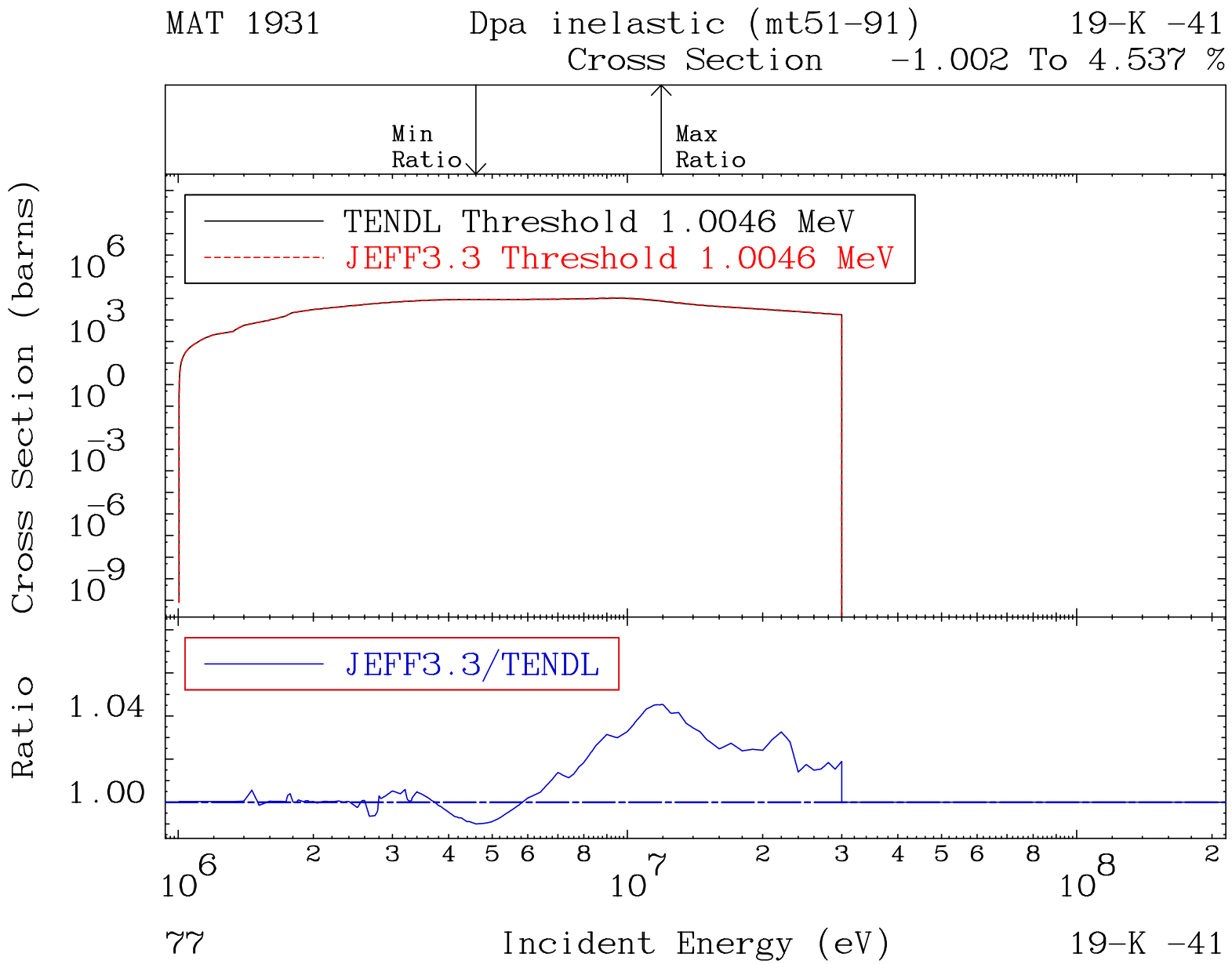

MAT 1931
Kerma capture (mt102)
19-K -41
Cross Section -99.84 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
72
19-K -41

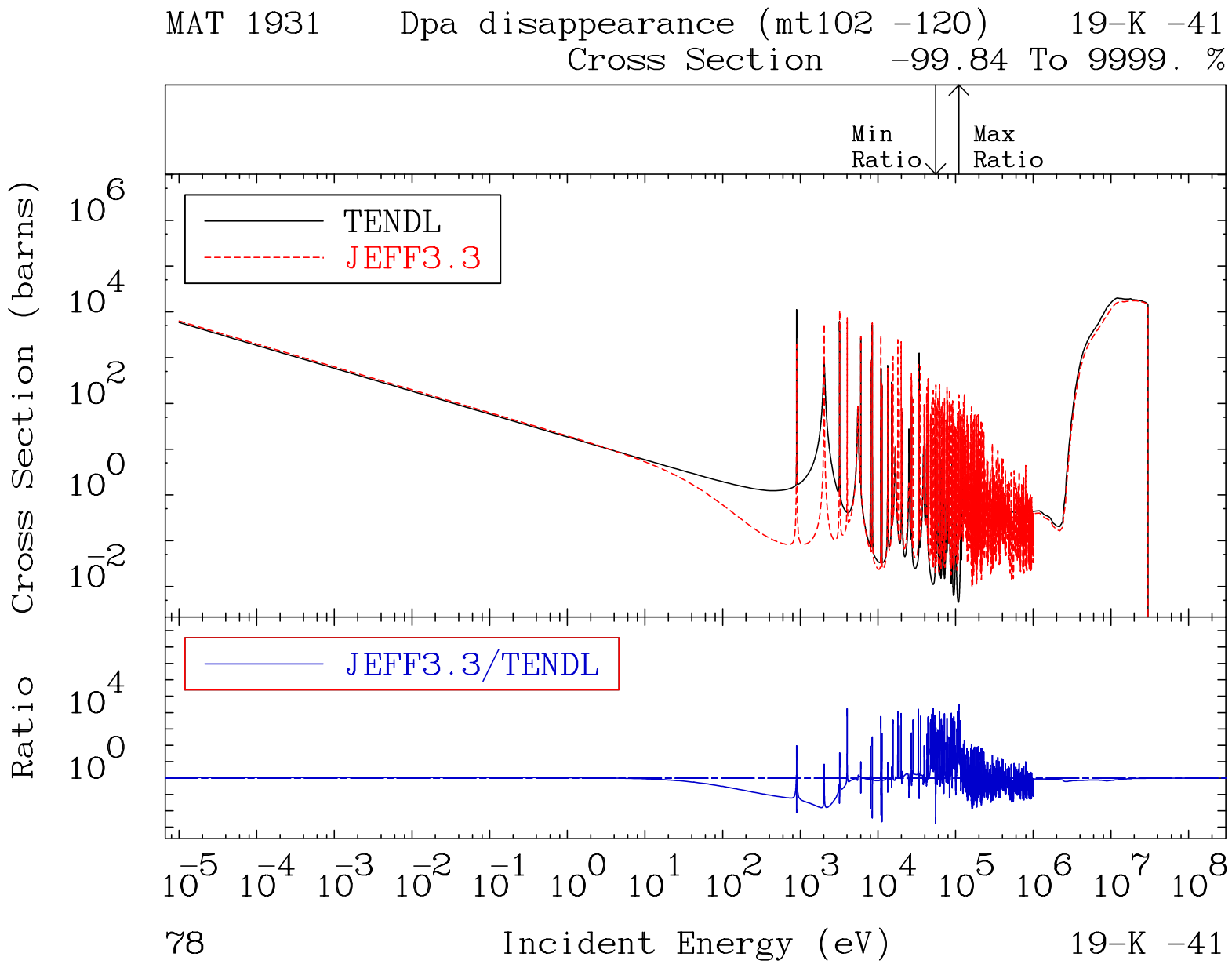

MAT 1931
Total photon (eV-barns)
19-K -41
Cross Section -99.85 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
73
19-K -41

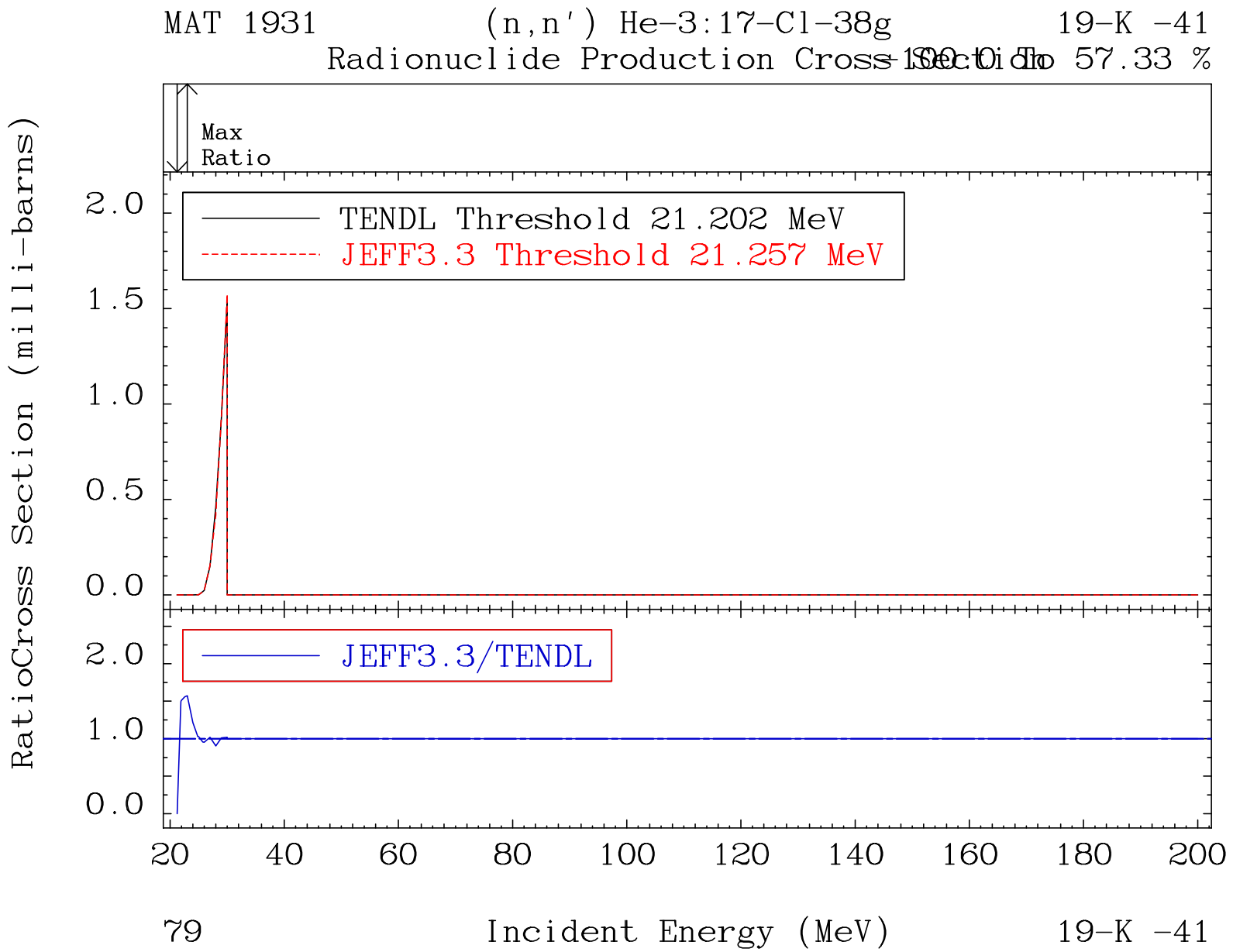

MAT 1931 Total kinematic kerma (high limit) 19-K -41
Cross Section -99.88 To 5657. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
74
19-K -41

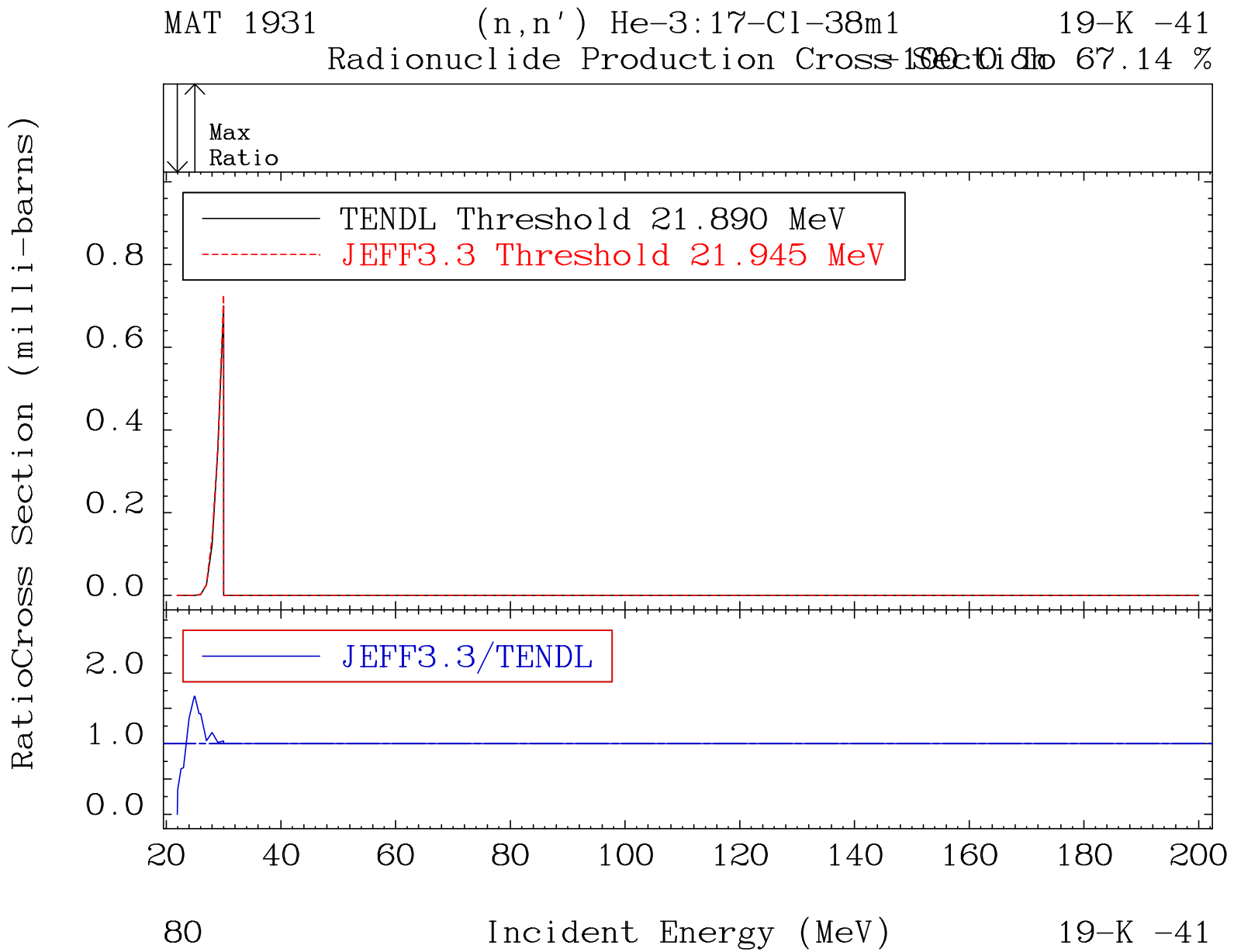

MAT 1931
Dpa total (eV-barns)
19-K -41
Cross Section -99.88 To 5653. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
75
19-K -41

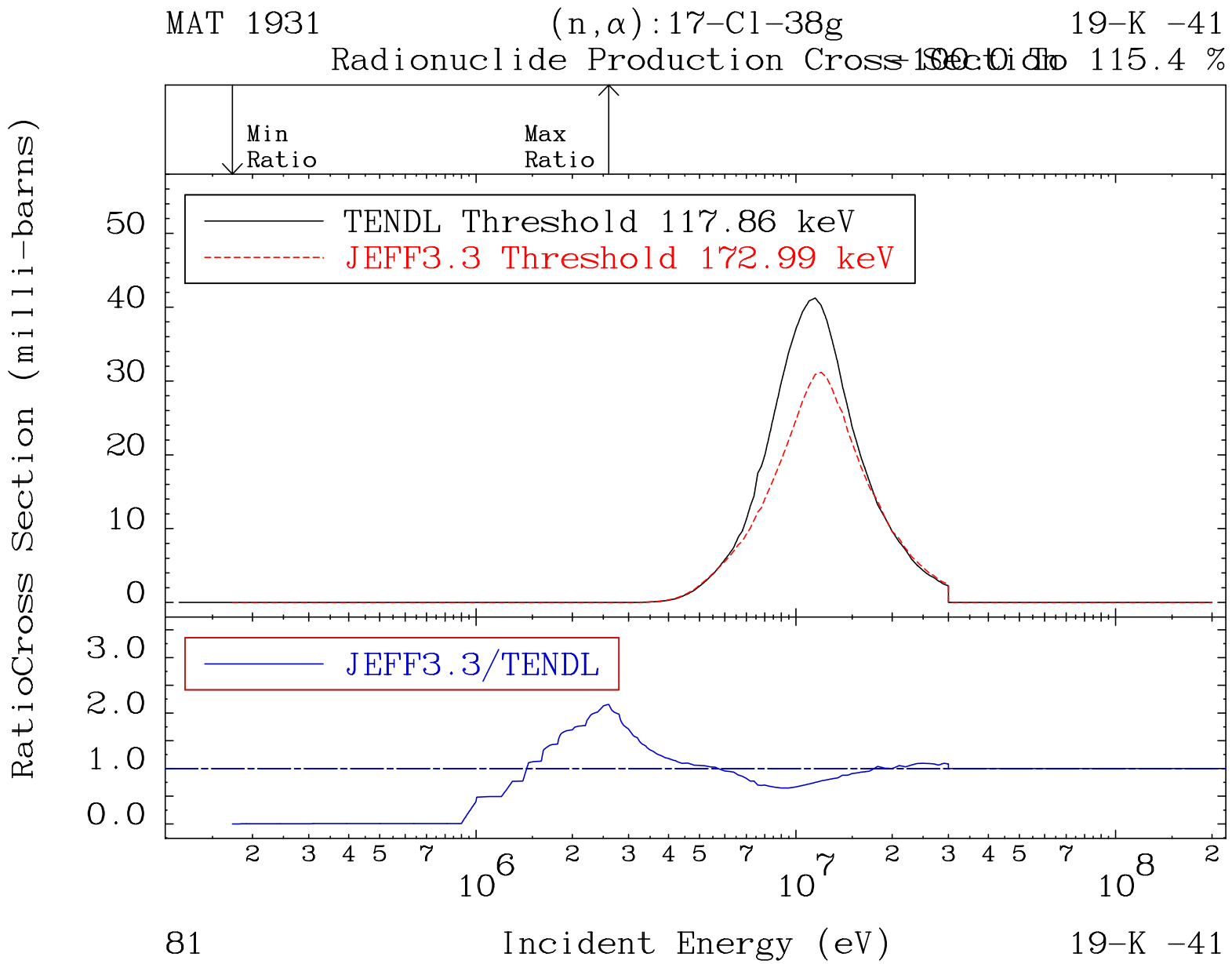

MAT 1931
Dpa elastic (mt2)
Cross Section
19-K -41
-99.92 To 4989. %
Min Ratio
Max Ratio
TENDL Threshold 265.63 eV
JEFF3.3 Threshold 275.00 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
76
19-K -41

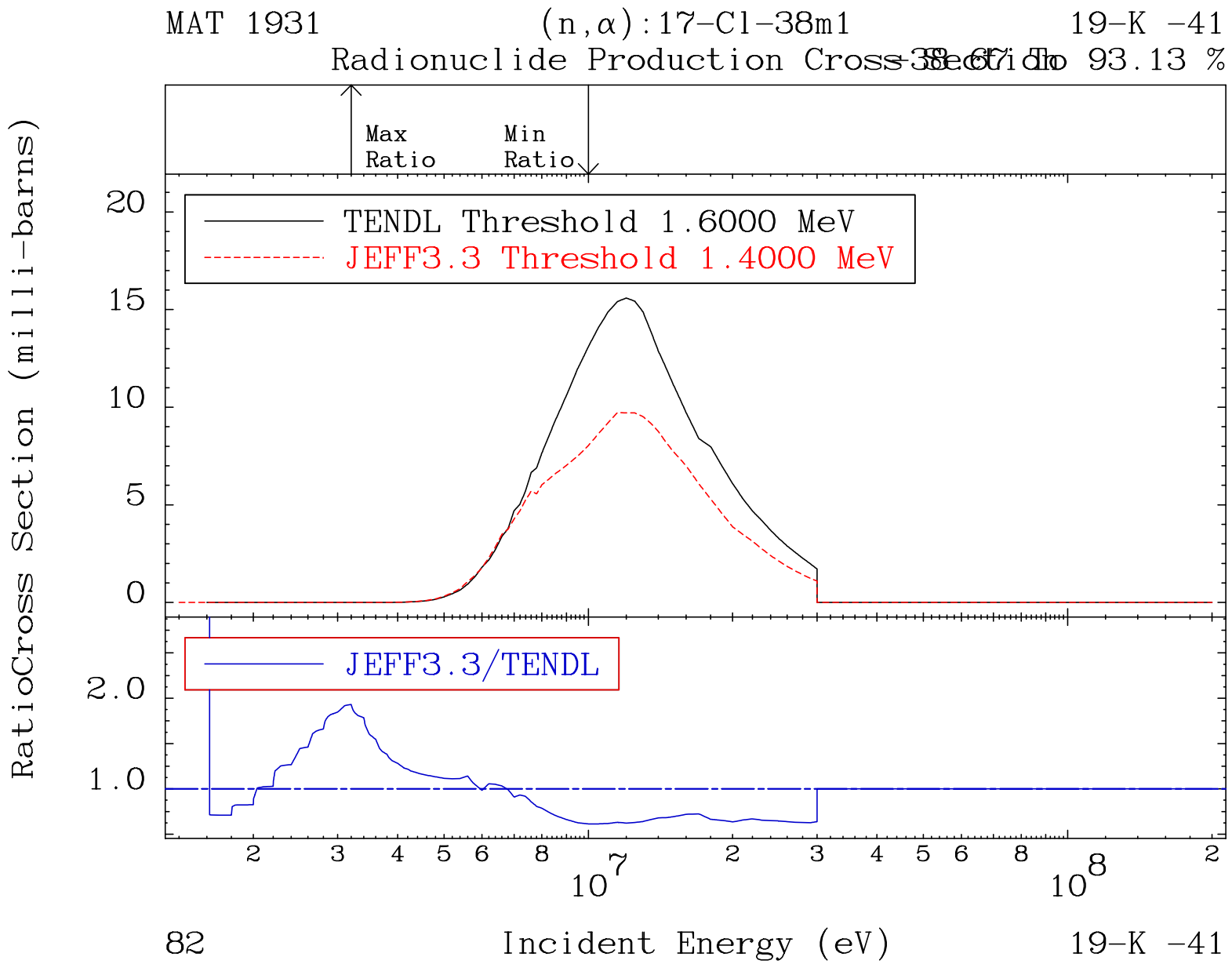

MAT 1931
Dpa inelastic (mt51-91)
19-K -41
Cross Section -1.002 To 4.537 %
Min Ratio
Max Ratio
TENDL Threshold 1.0046 MeV
JEFF3.3 Threshold 1.0046 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
77
19-K -41

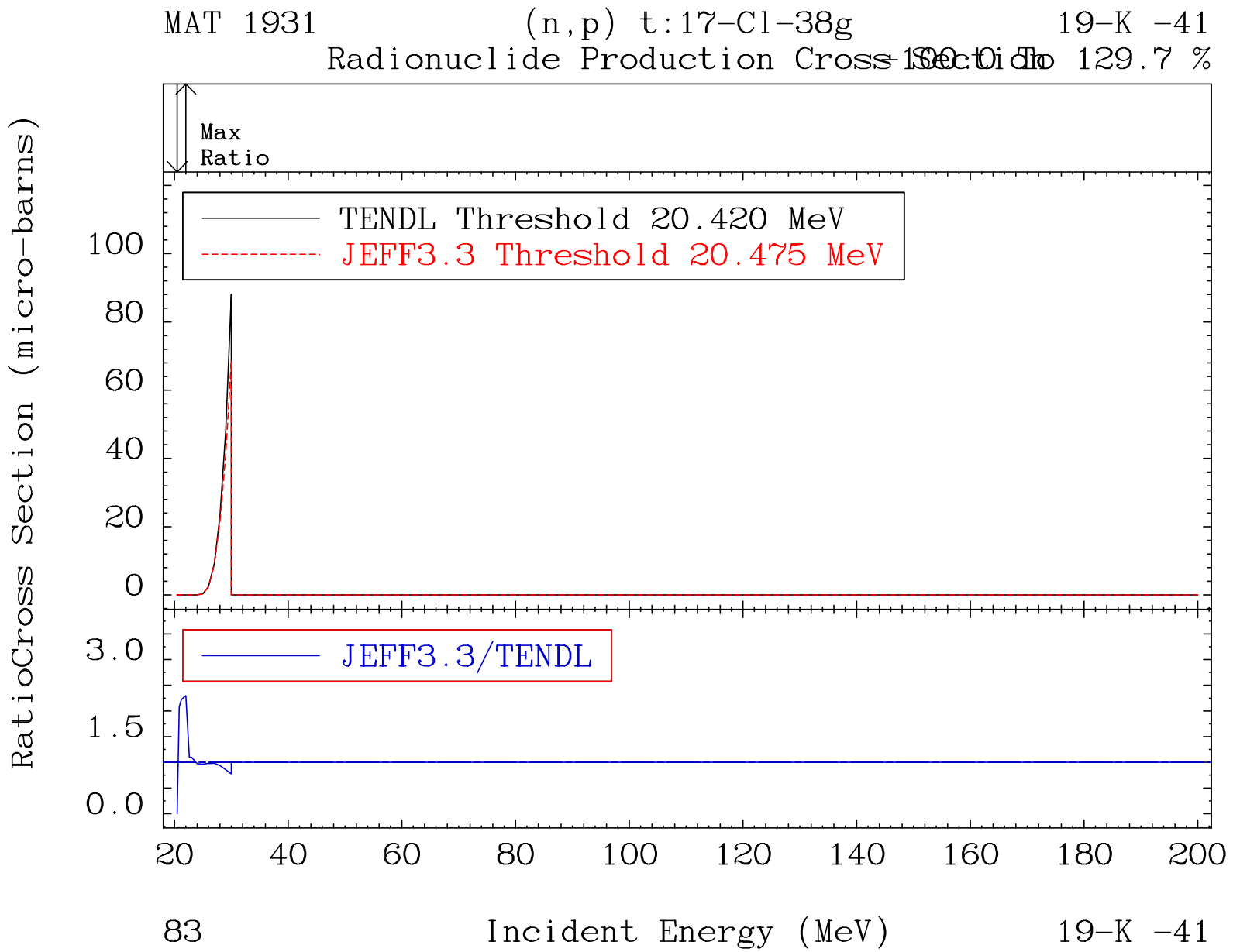

MAT 1931 Dpa disappearance (mt102 -120) 19-K -41
Cross Section -99.84 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
78
19-K -41

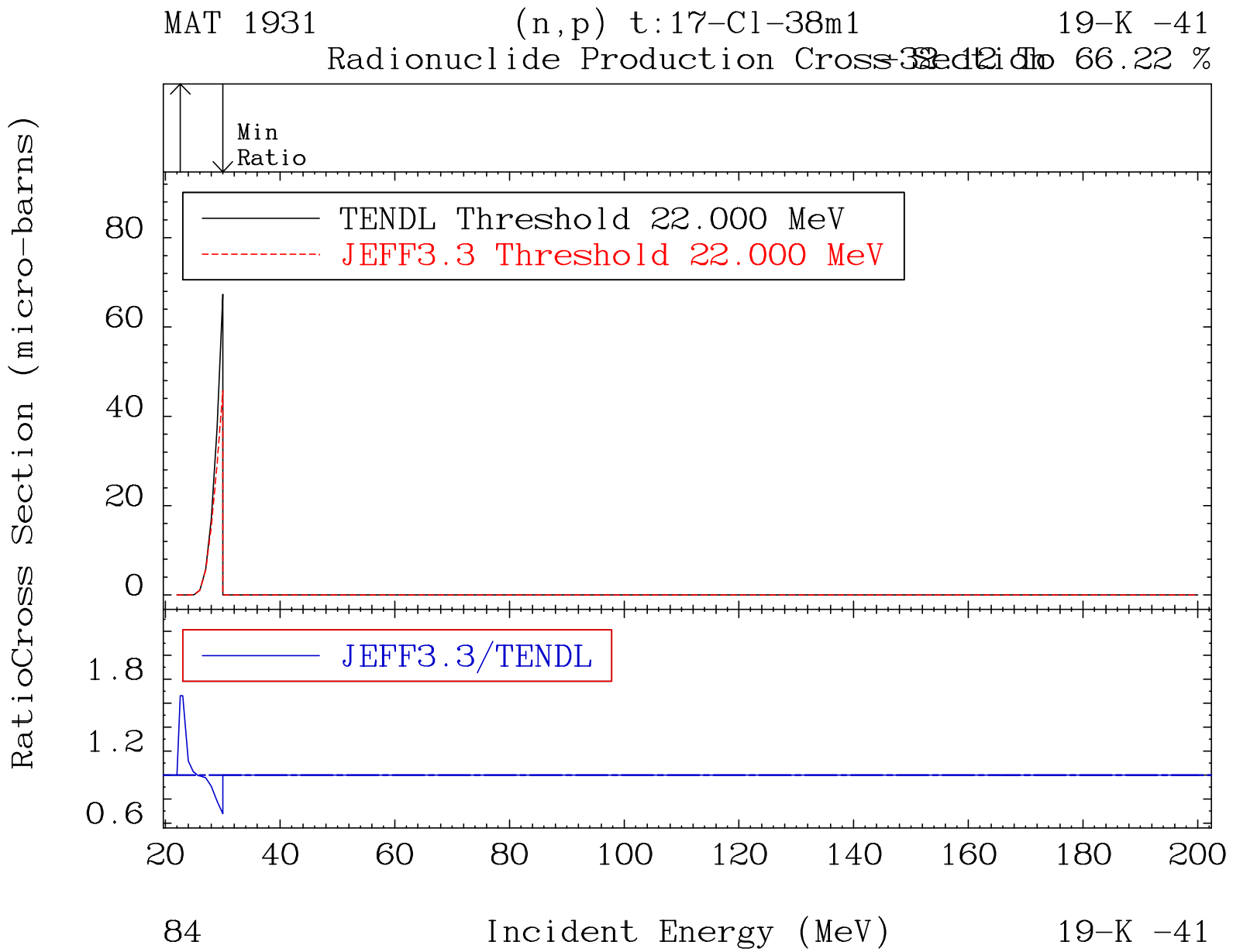

MAT 1931
(n,n') He-3:17-Cl-38g
19-K -41
Radionuclide Production Cross Section To 57.33 %
Max
Ratio
TENDL Threshold 21.202 MeV
JEFF3.3 Threshold 21.257 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
2.0
1.0
0.0
20
40
60
80
100
120
140
160
180
200
79
Incident Energy (MeV)
19-K -41


MAT 1931
(n,n') He-3:17-Cl-38m1
19-K -41
Radionuclide Production Cross Section To 67.14 %
Max
Ratio
TENDL Threshold 21.890 MeV
JEFF3.3 Threshold 21.945 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
20
40
60
80
100
120
140
160
180
200
80
Incident Energy (MeV)
19-K -41


MAT 1931
(n,α):17-Cl-38g
19-K -41
Radionuclide Production Cross Section To 115.4 %
Min Ratio
Max Ratio
TENDL Threshold 117.86 keV
JEFF3.3 Threshold 172.99 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
3.0
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
81
Incident Energy (eV)
19-K -41


MAT 1931
(n,α):17-Cl-38m1
19-K -41
Radionuclide Production Cross-Section To 93.13 %
Max Ratio
Min Ratio
TENDL Threshold 1.6000 MeV
JEFF3.3 Threshold 1.4000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
82
19-K -41


MAT 1931
(n,p) t:17-Cl-38g
19-K -41
Radionuclide Production Cross Section To 129.7 %
Max
Ratio
TENDL Threshold 20.420 MeV
JEFF3.3 Threshold 20.475 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
100
80
60
40
20
0
3.0
1.5
0.0
20
40
60
80
100
120
140
160
180
200
83
Incident Energy (MeV)
19-K -41


MAT 1931
(n,p) t:17-Cl-38m1
19-K -41
Radionuclide Production Cross Section To 66.22 %
Min
Ratio
TENDL Threshold 22.000 MeV
JEFF3.3 Threshold 22.000 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
80
60
40
20
0
1.8
1.2
0.6
20
40
60
80
100
120
140
160
180
200
84
Incident Energy (MeV)
19-K -41