Program Complot
(Version 2018-1)
by
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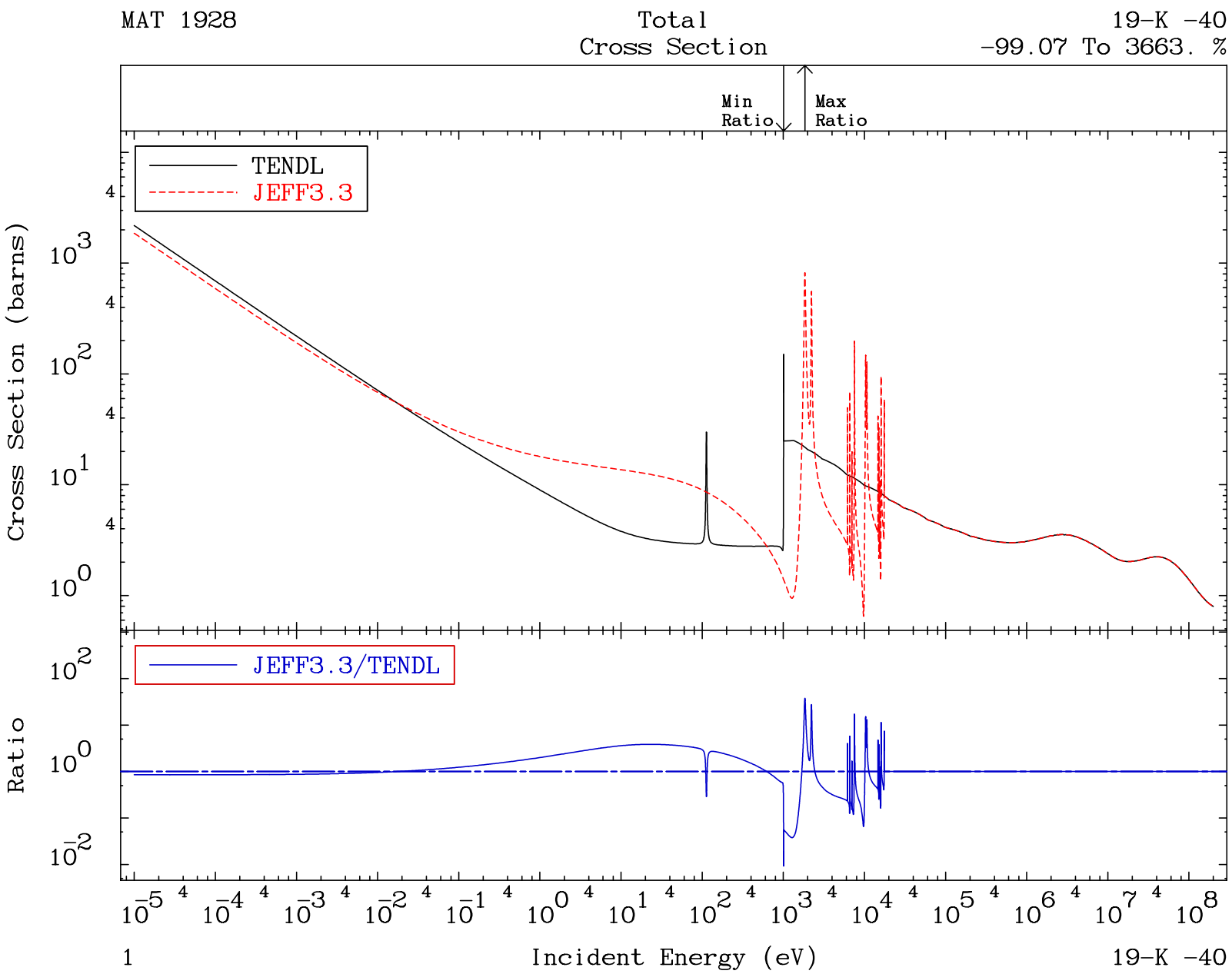
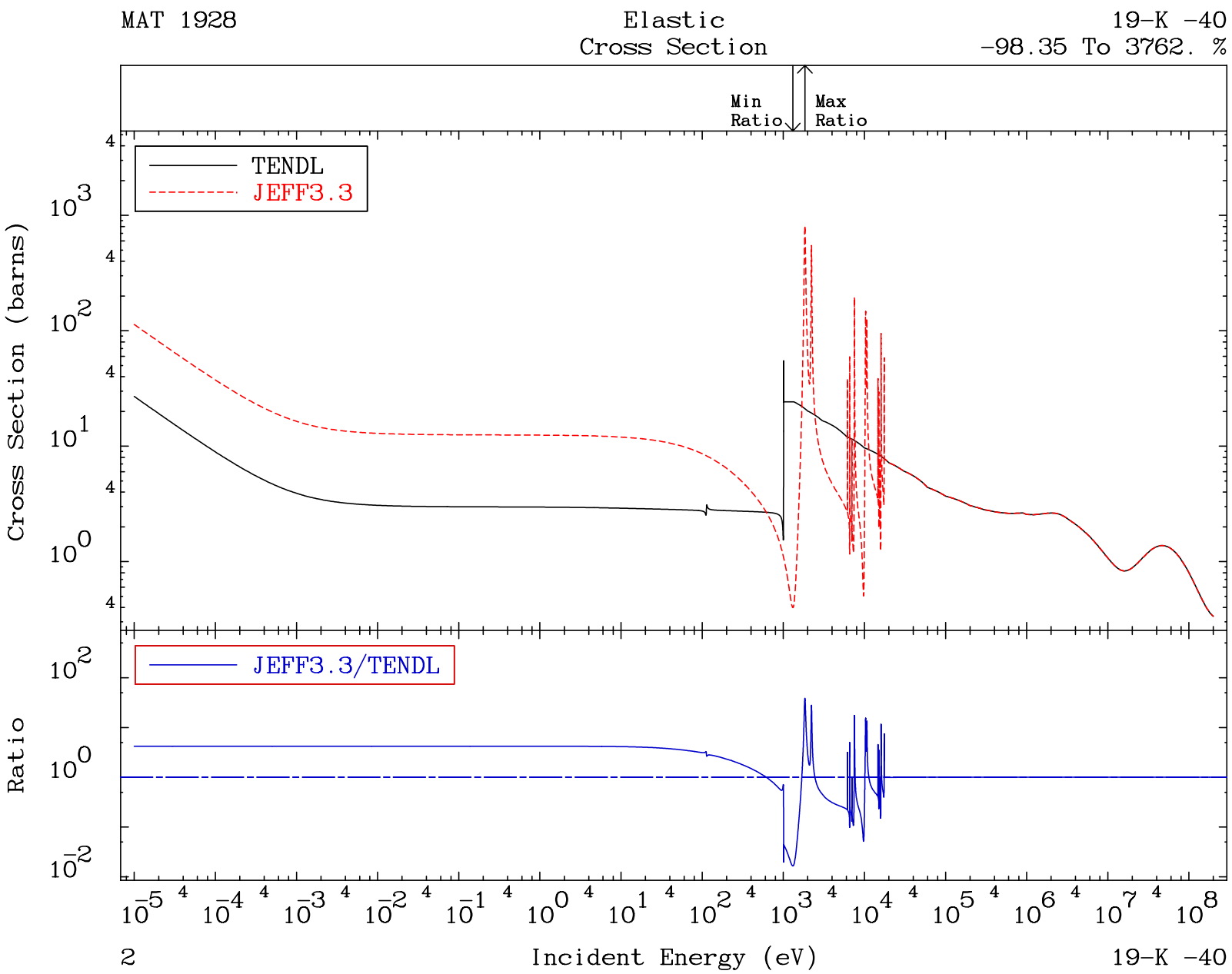
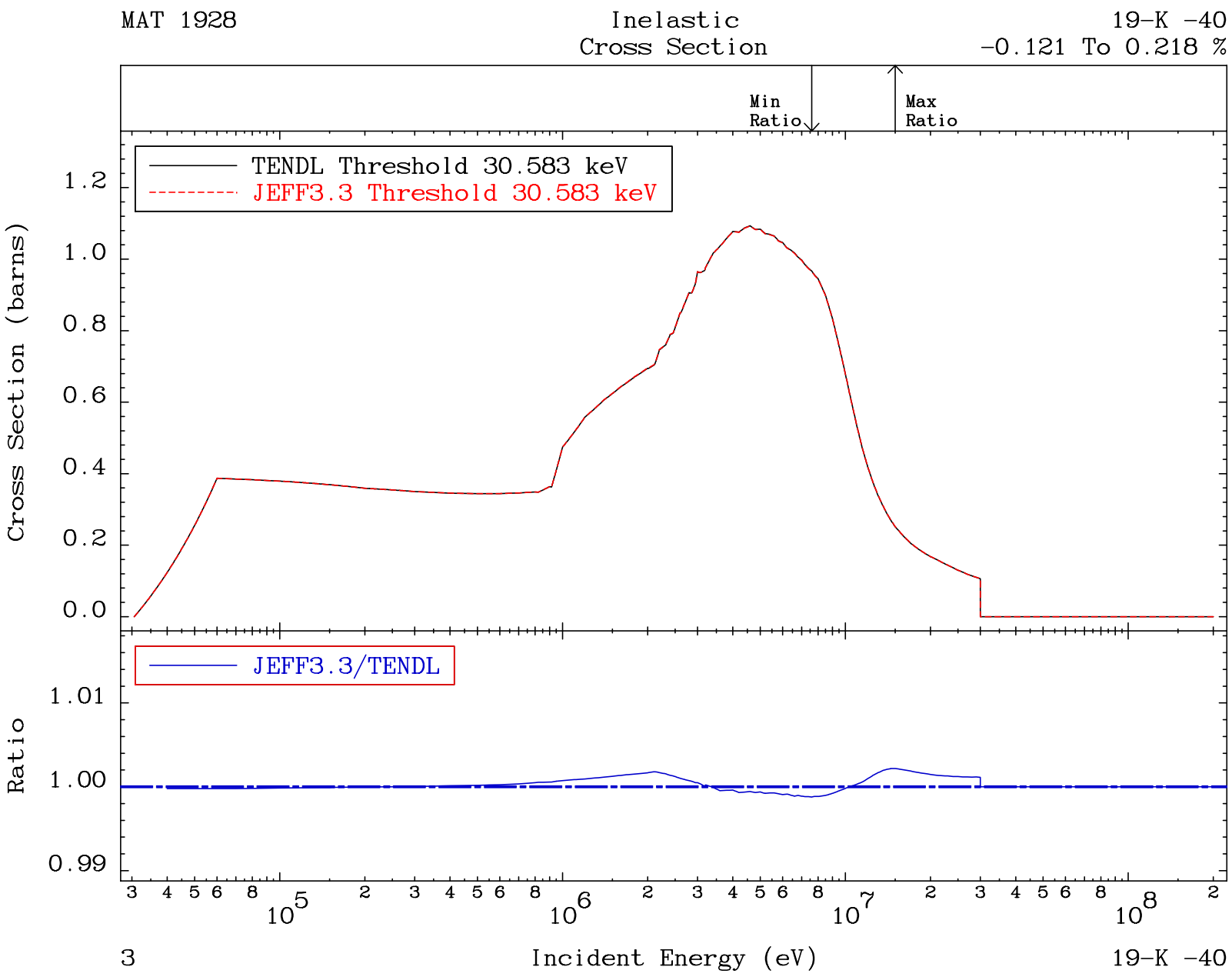
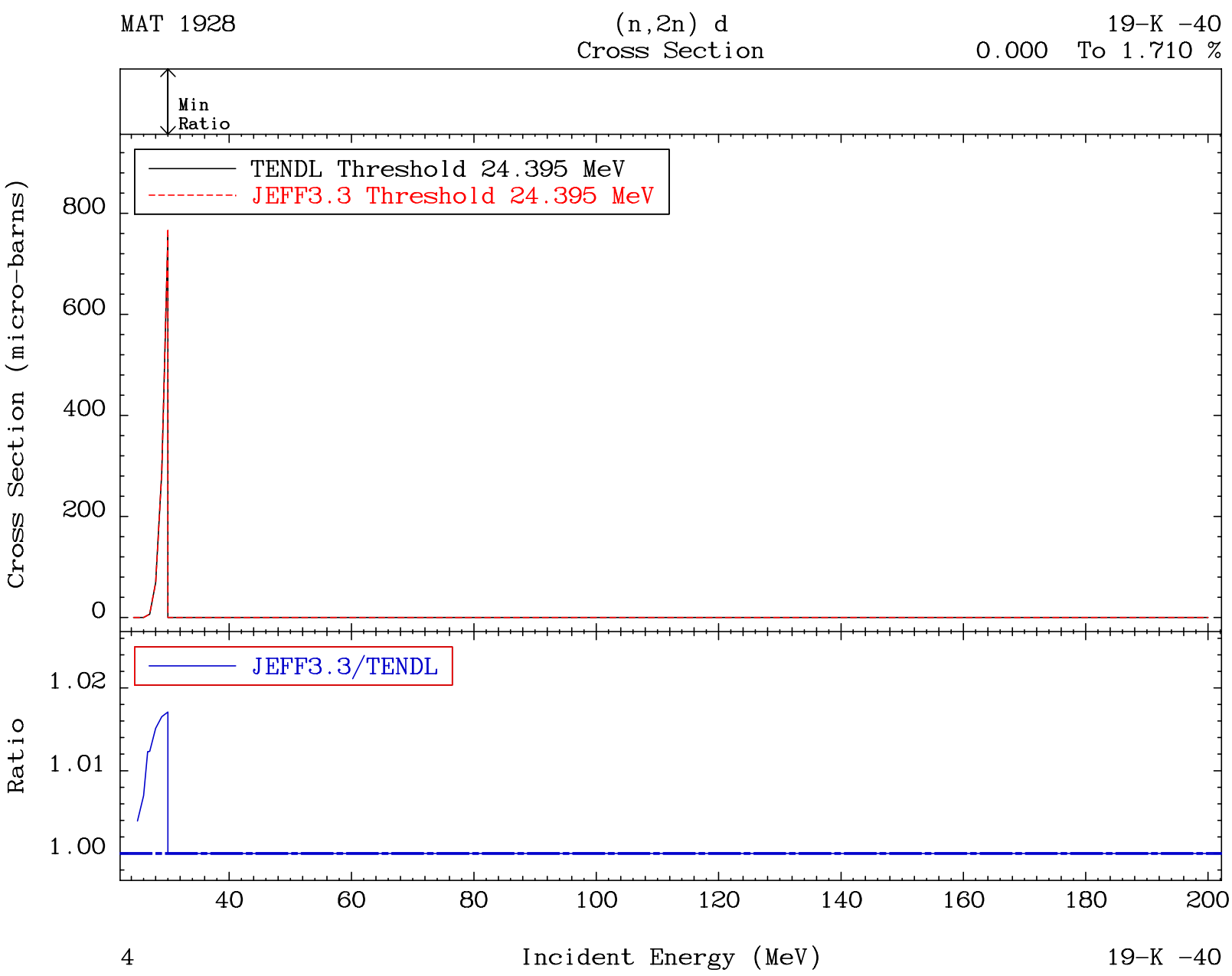
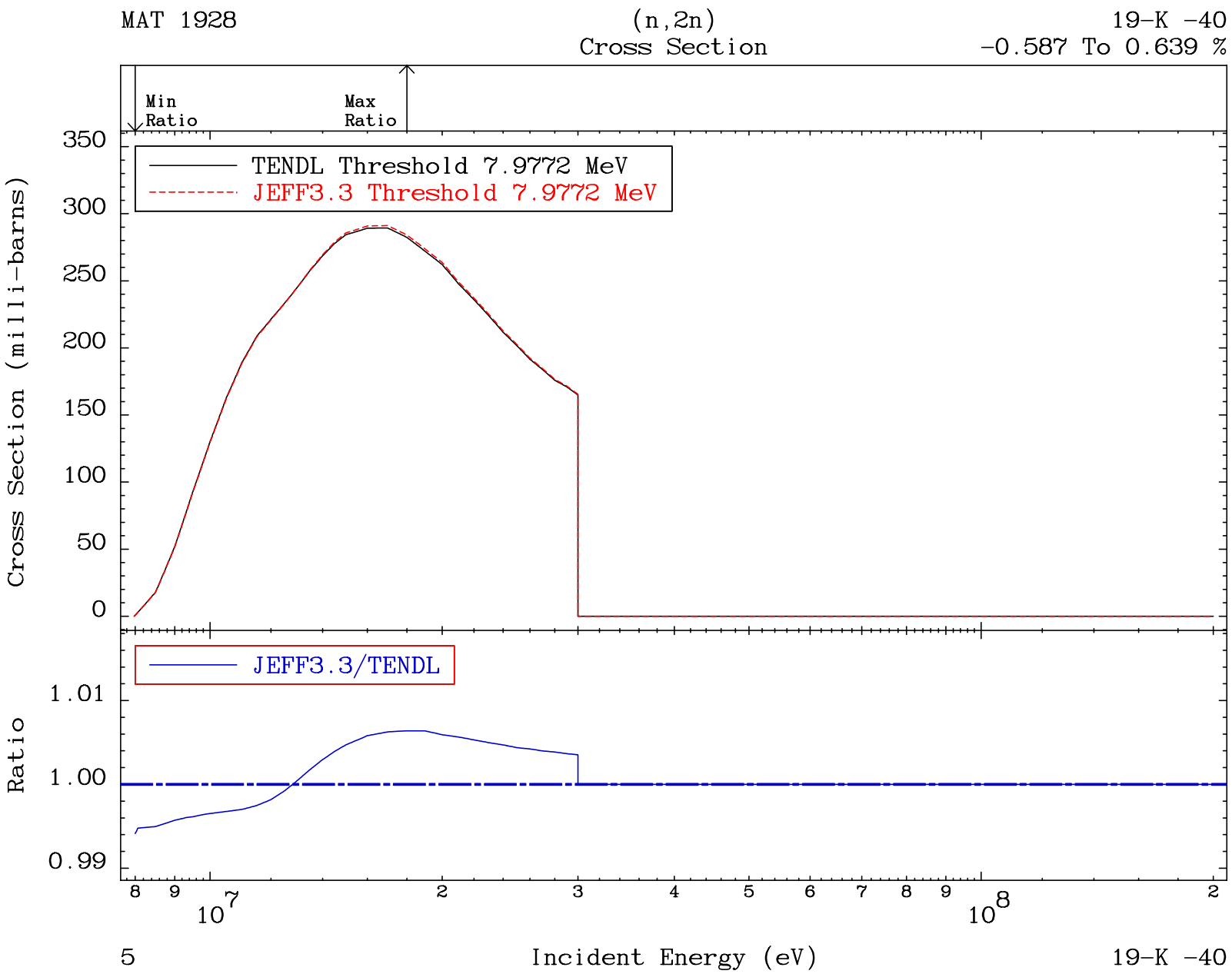
Press Mouse Button to Start

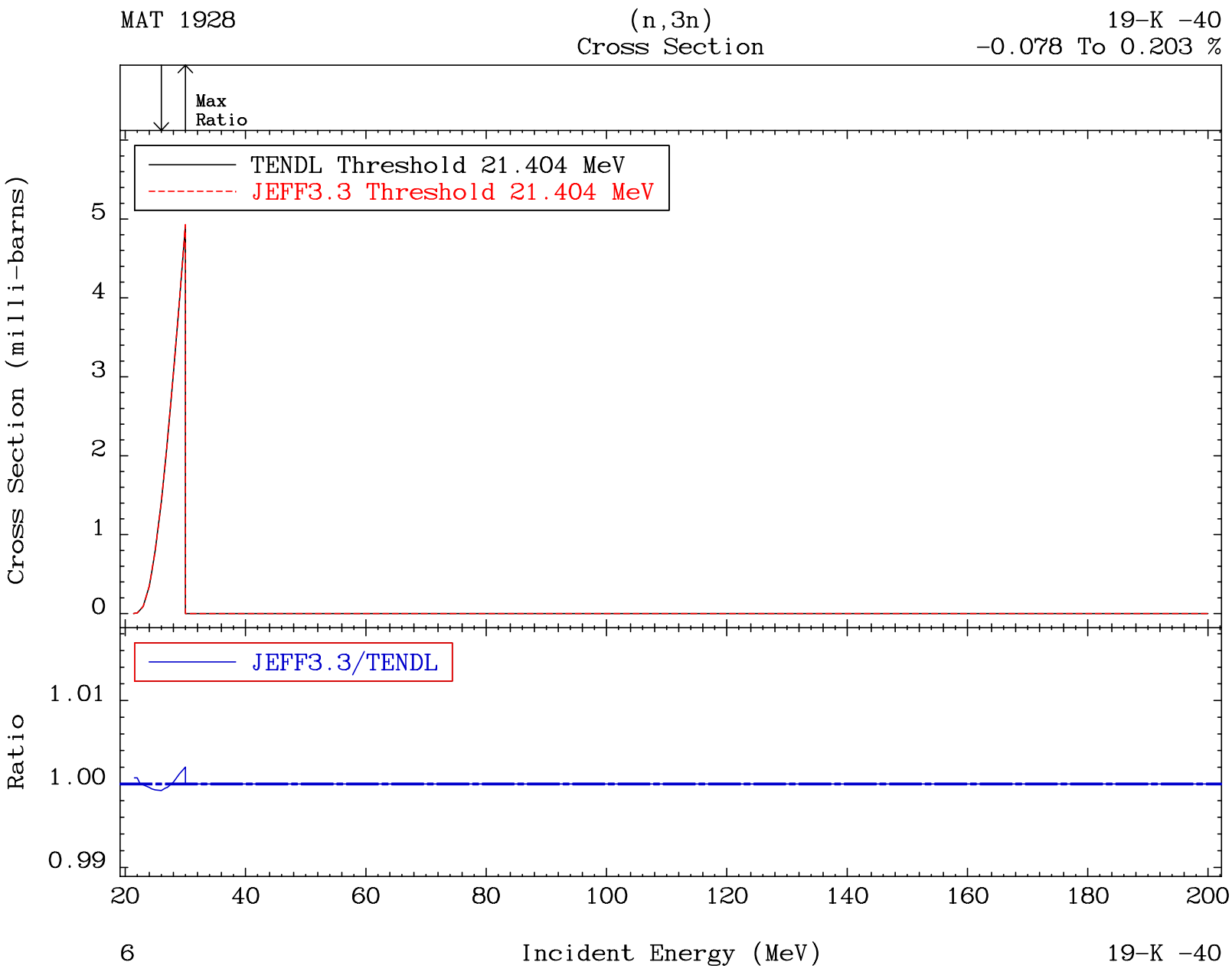

MAT 1928
Total
Cross Section
19-K -40
-99.07 To 3663. %
Min
Ratio
Max
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
1
19-K -40

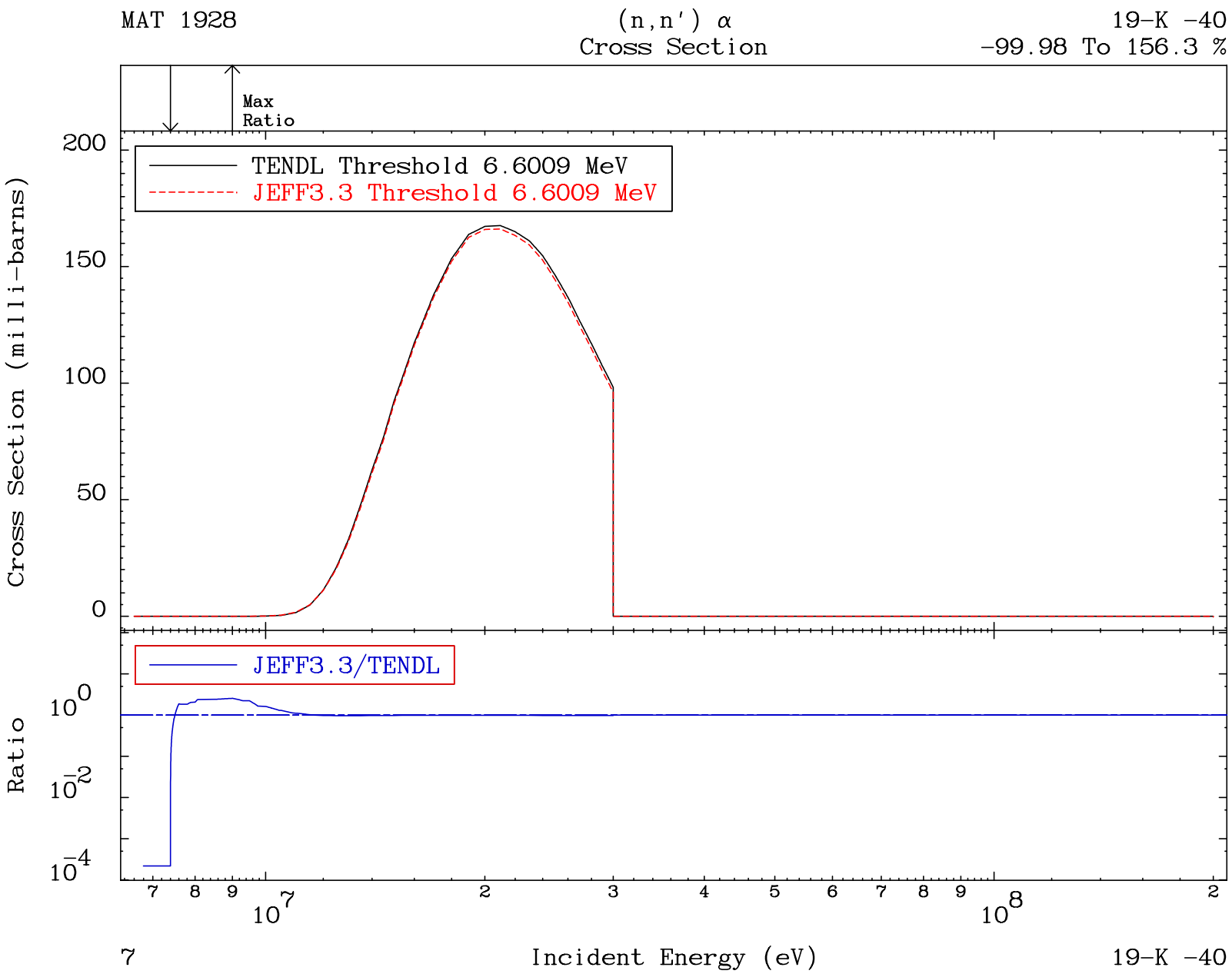

MAT 1928
Elastic
Cross Section
19-K -40
-98.35 To 3762. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
2
19-K -40

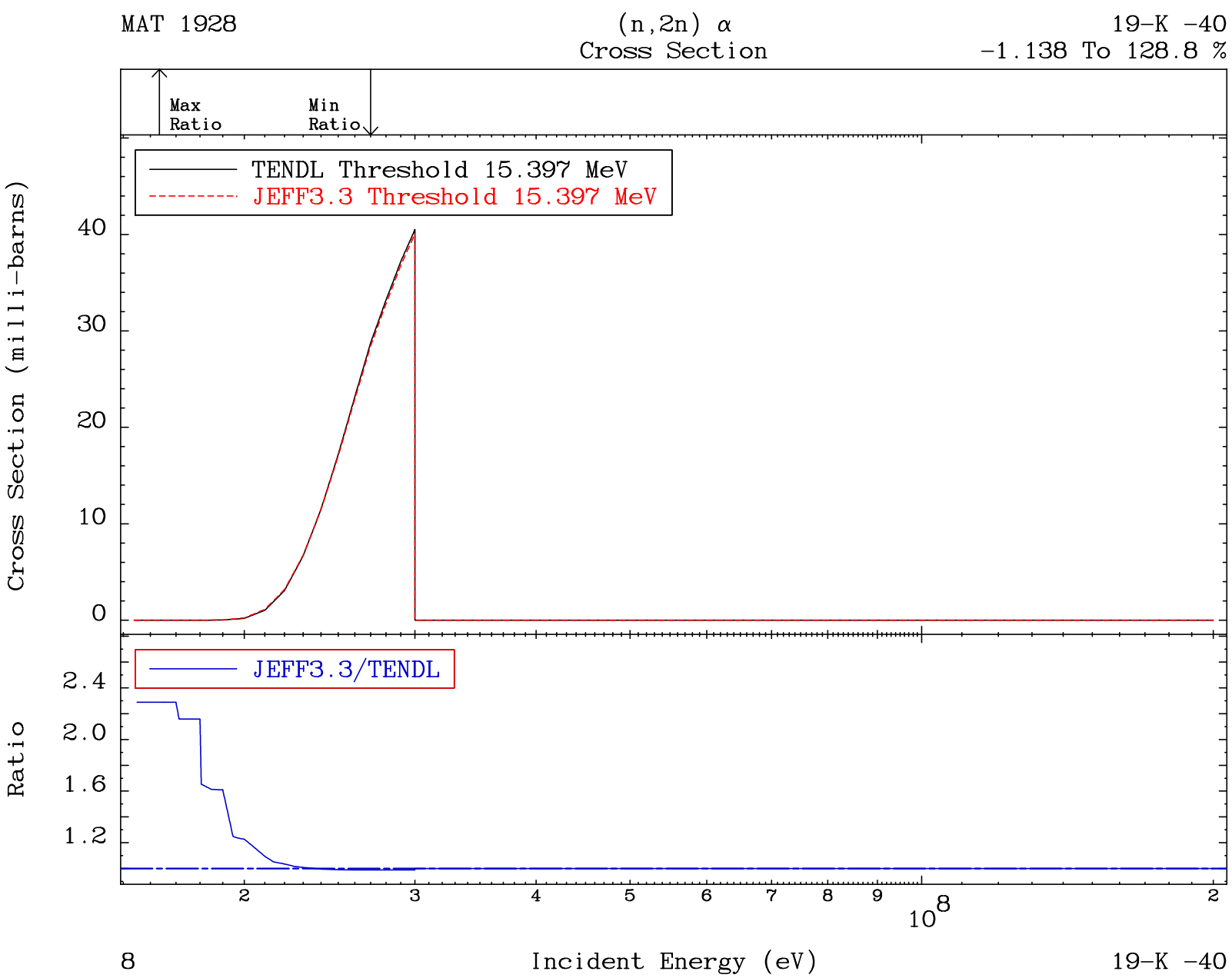

MAT 1928
Inelastic
Cross Section
19-K -40
-0.121 To 0.218 %
Min
Ratio
Max
Ratio
TENDL Threshold 30.583 keV
JEFF3.3 Threshold 30.583 keV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
3
Incident Energy (eV)
19-K -40

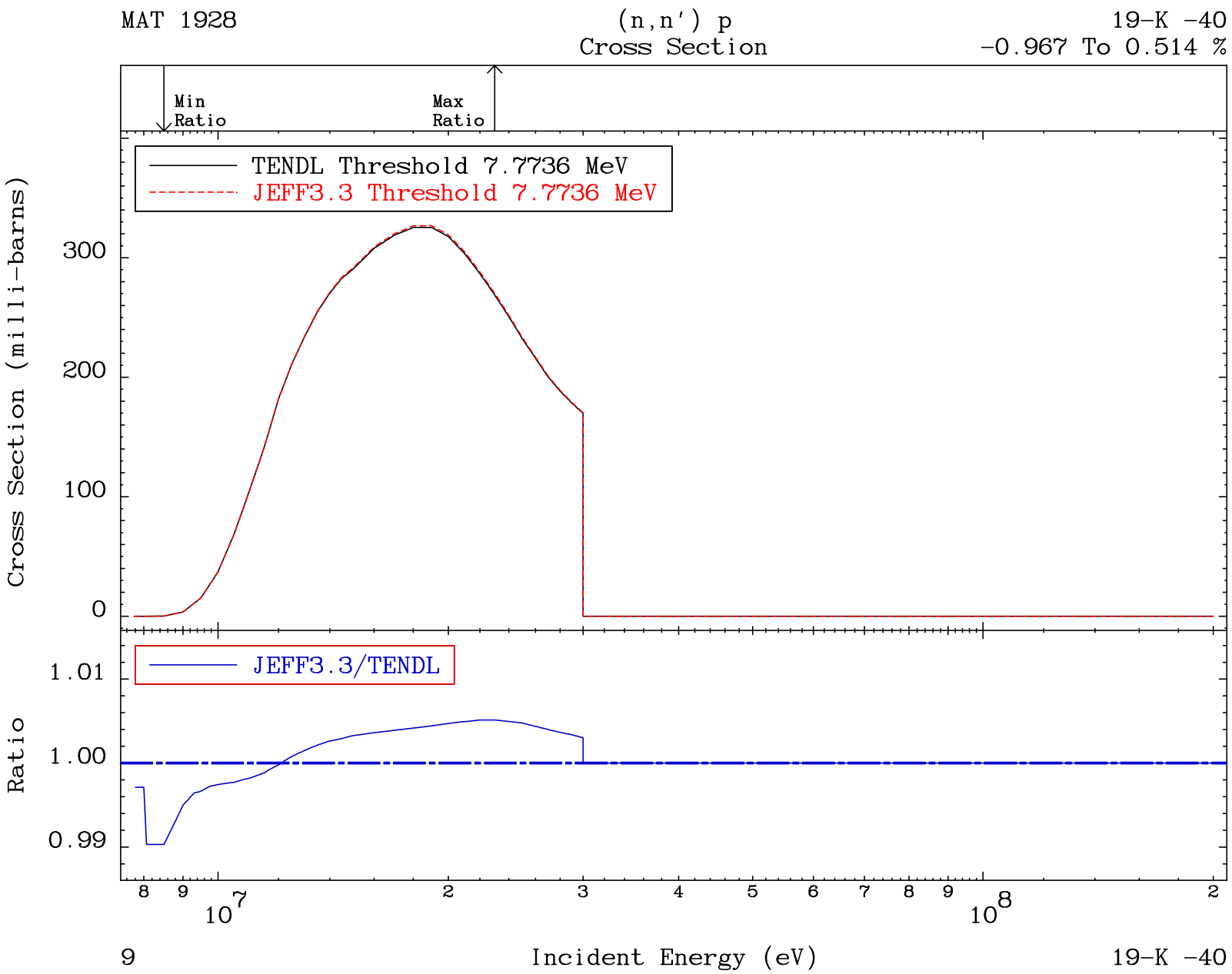

MAT 1928
(n,2n) d
Cross Section
19-K -40
0.000 To 1.710 %
Min
Ratio
TENDL Threshold 24.395 MeV
JEFF3.3 Threshold 24.395 MeV
Cross Section (micro-barns)
800
600
400
200
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
40
60
80
100
120
140
160
180
200
4
Incident Energy (MeV)
19-K -40

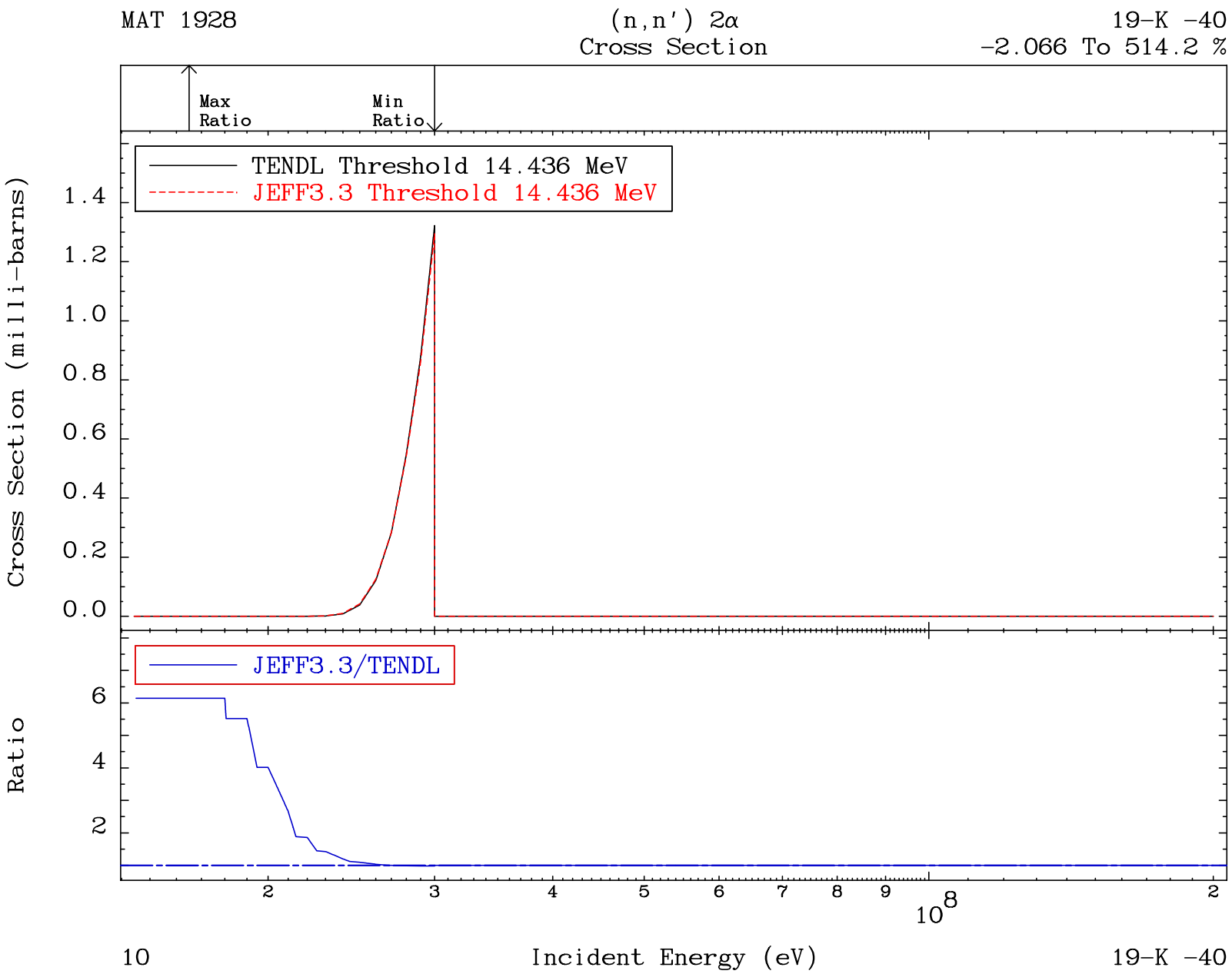

MAT 1928
(n,2n)
Cross Section
19-K -40
-0.587 To 0.639 %
Min Ratio
Max Ratio
TENDL Threshold 7.9772 MeV
JEFF3.3 Threshold 7.9772 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
5
Incident Energy (eV)
19-K -40

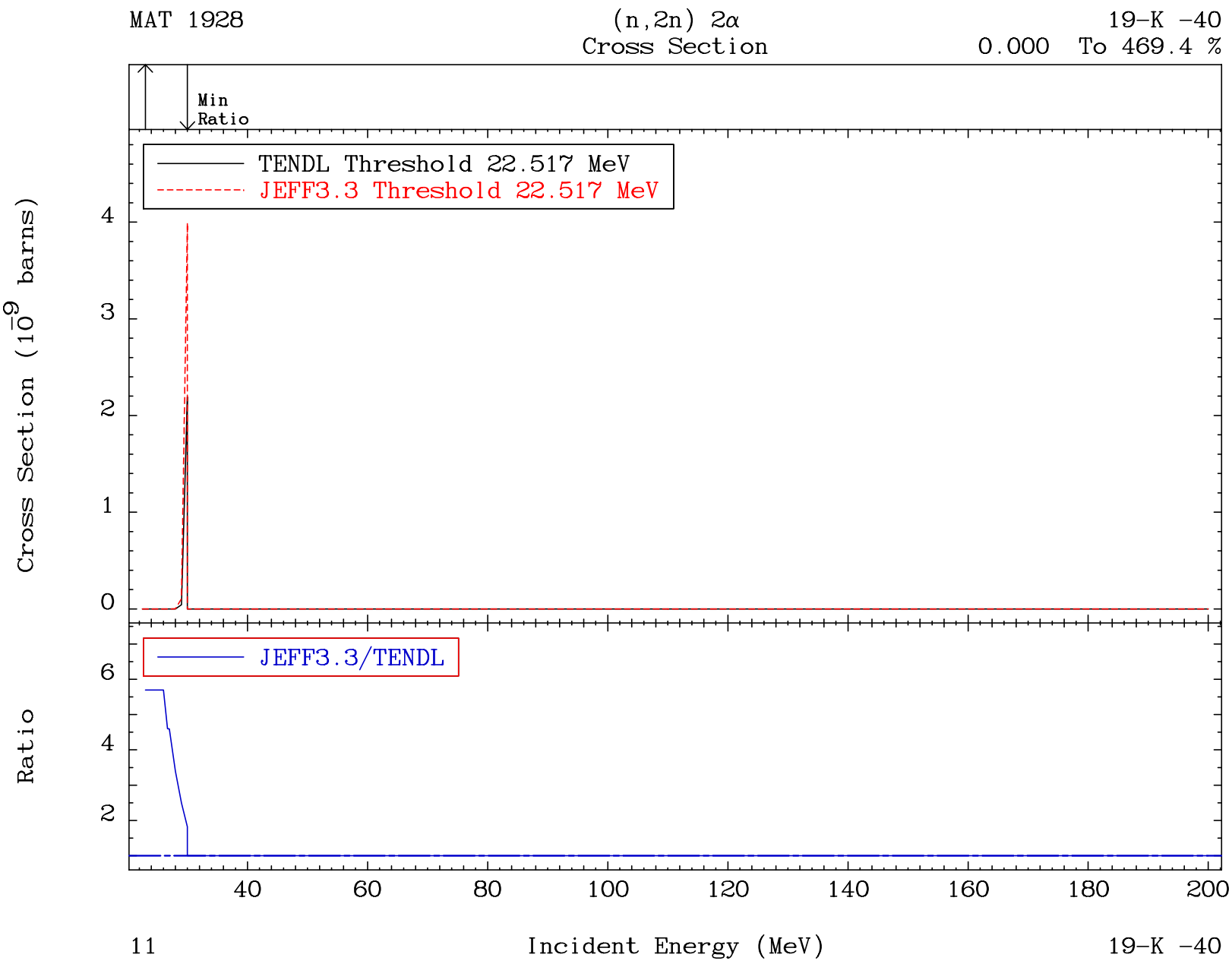

MAT 1928
(n,3n)
Cross Section
19-K -40
-0.078 To 0.203 %
Max
Ratio
TENDL Threshold 21.404 MeV
JEFF3.3 Threshold 21.404 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
JEFF3.3/TENDL
Ratio
0.99
1.00
1.01
20
40
60
80
100
120
140
160
180
200
6
Incident Energy (MeV)
19-K -40

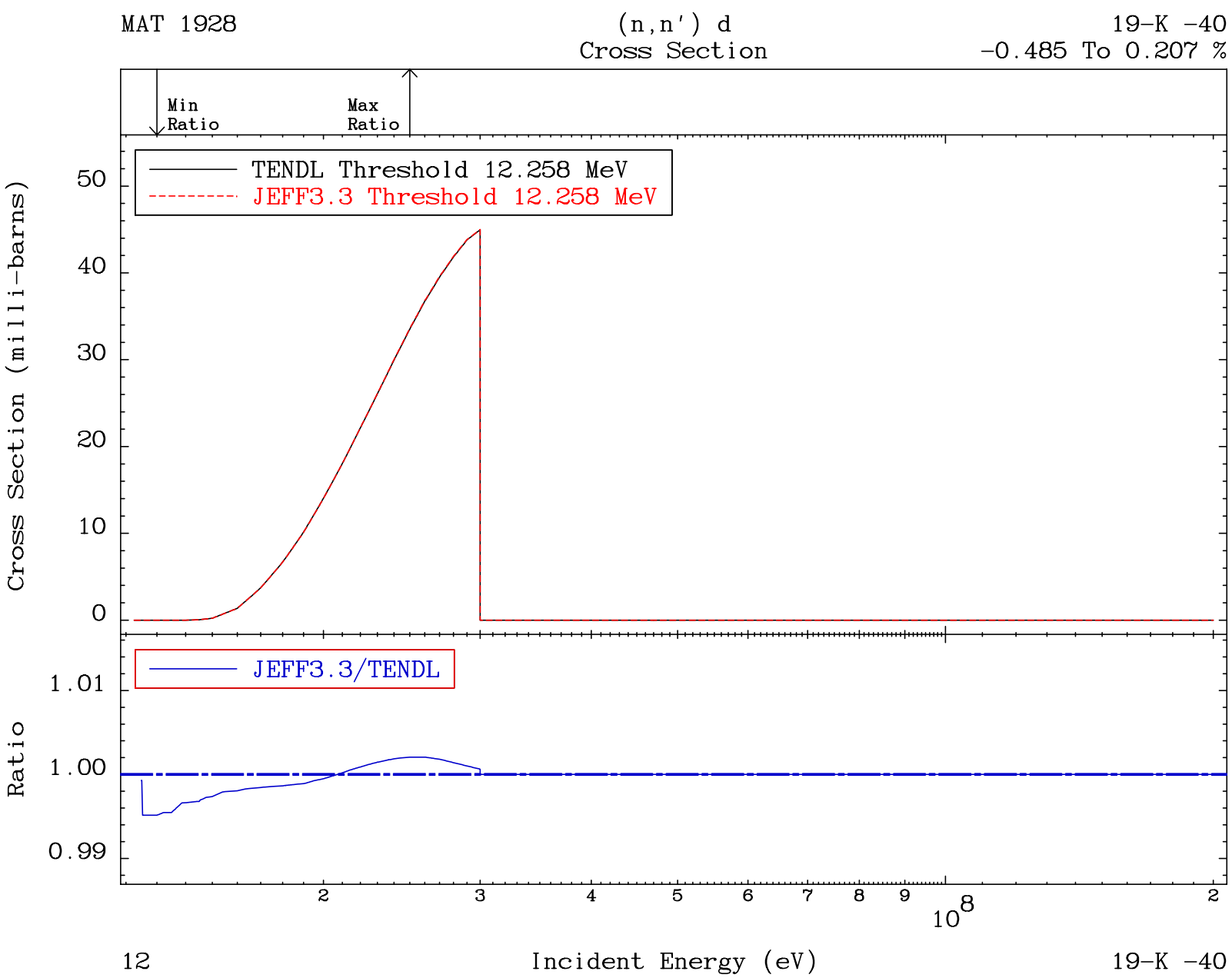

MAT 1928
(n,n') α
Cross Section
19-K -40
-99.98 To 156.3 %
Max
Ratio
TENDL Threshold 6.6009 MeV
JEFF3.3 Threshold 6.6009 MeV
Cross Section (milli-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
10^0
10^-2
10^-4
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
7
Incident Energy (eV)
19-K -40

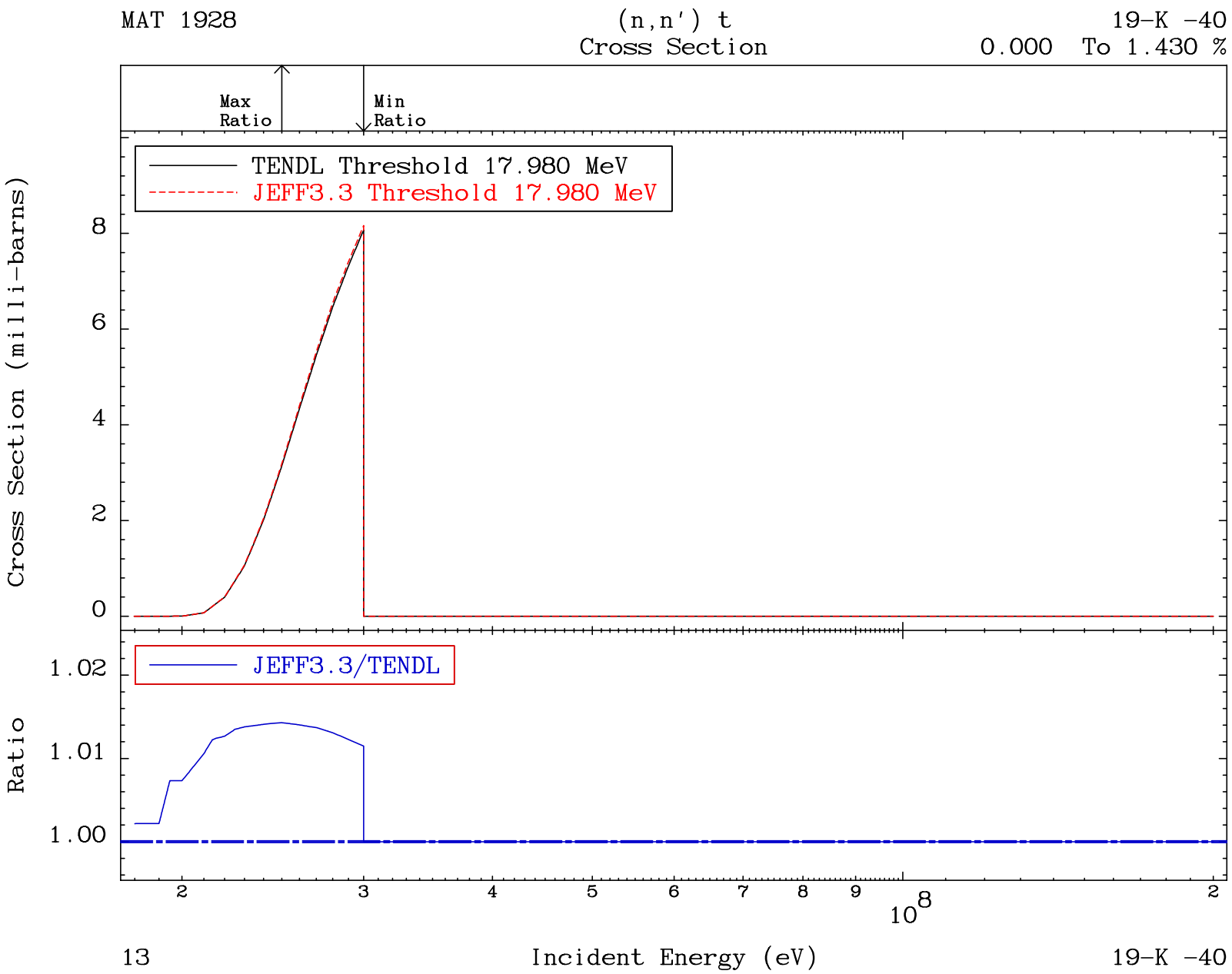

MAT 1928
(n,2n) α
Cross Section
19-K -40
-1.138 To 128.8 %
Max Ratio
Min Ratio
TENDL Threshold 15.397 MeV
JEFF3.3 Threshold 15.397 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
2.4
2.0
1.6
1.2
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
19-K -40

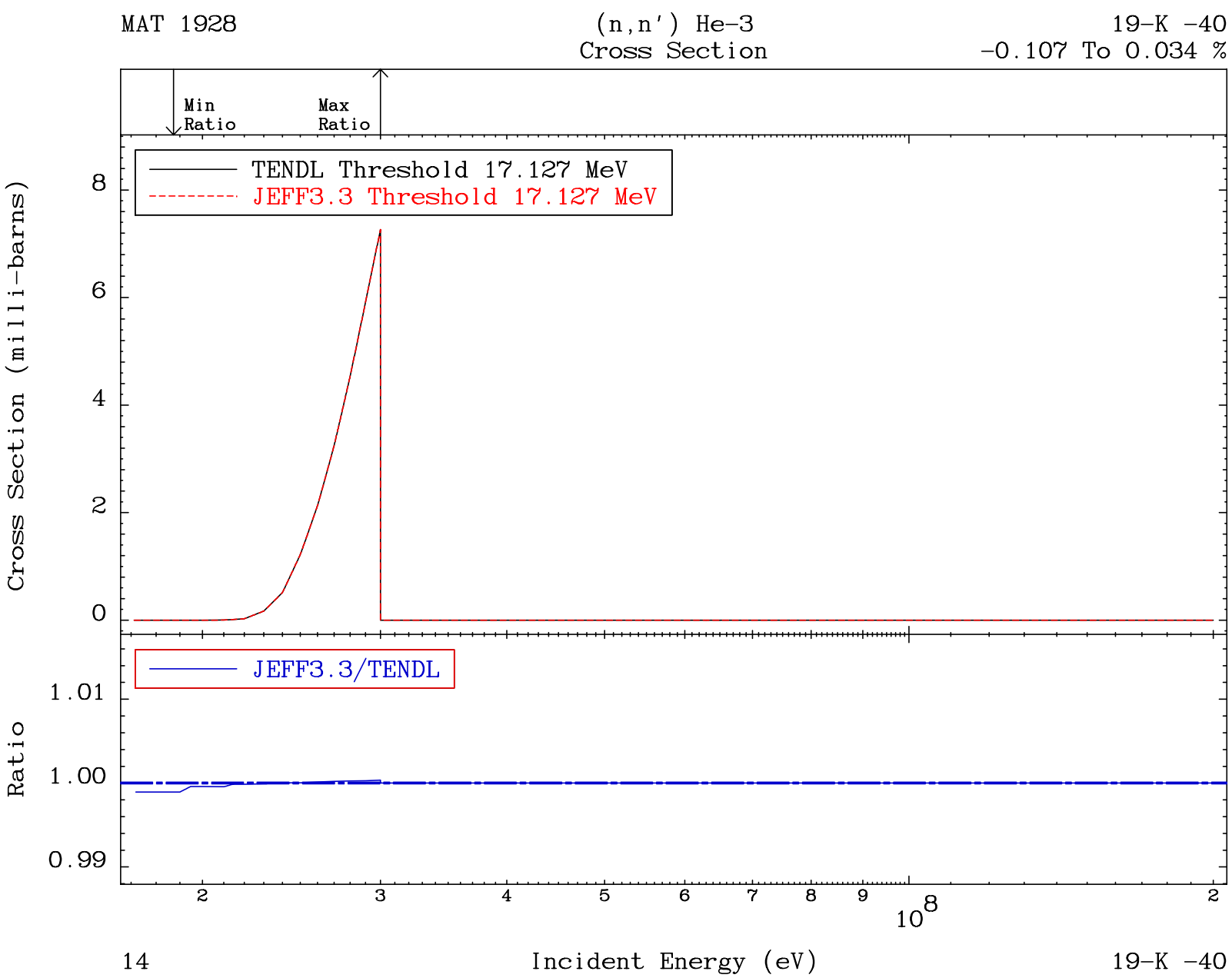

MAT 1928
(n,n') p
Cross Section
19-K -40
-0.967 To 0.514 %
Min Ratio
Max Ratio
TENDL Threshold 7.7736 MeV
JEFF3.3 Threshold 7.7736 MeV
Cross Section (milli-barns)
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
9
Incident Energy (eV)
19-K -40

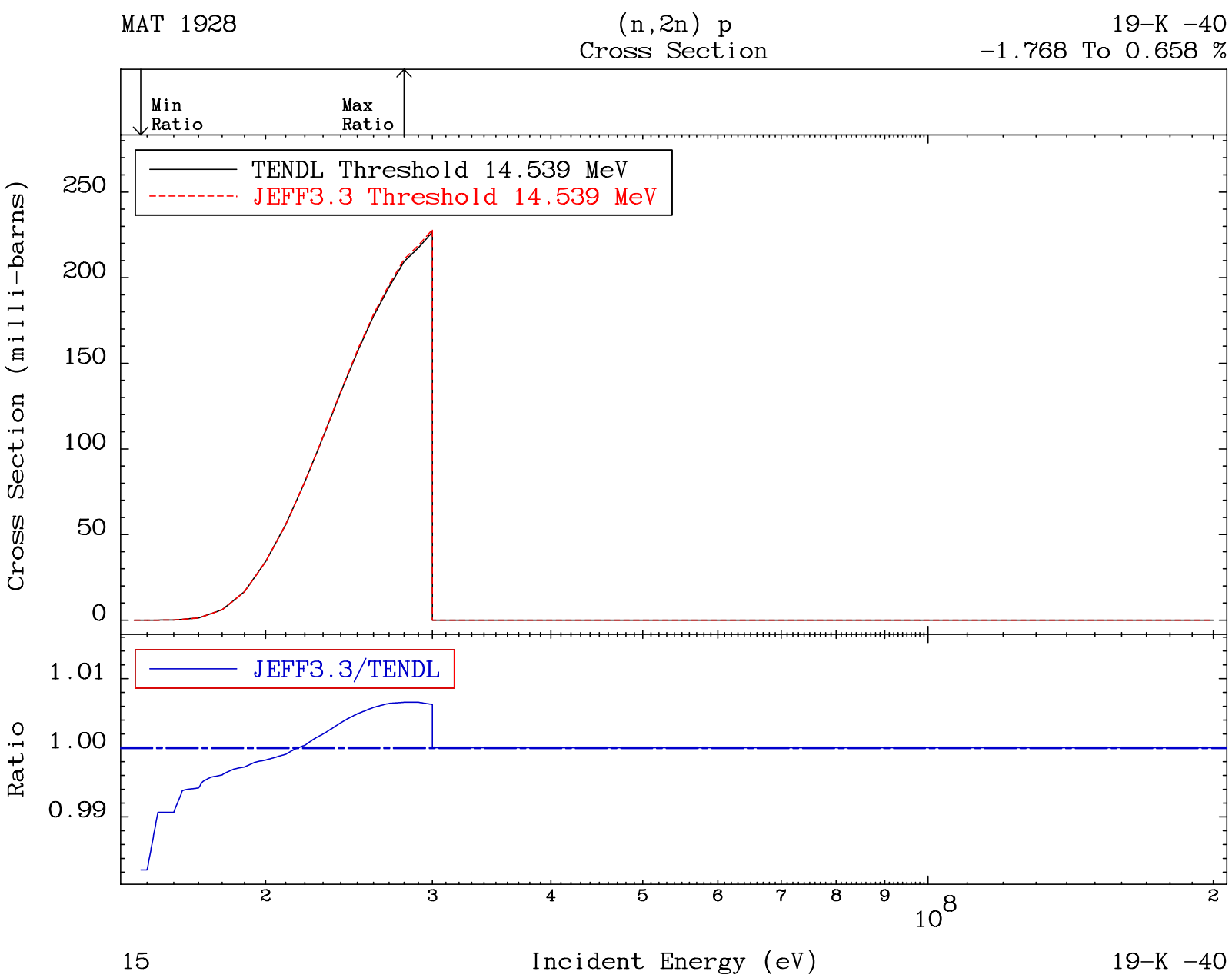

MAT 1928
(n,n') 2α
Cross Section
19-K -40
-2.066 To 514.2 %
Max Ratio
Min Ratio
TENDL Threshold 14.436 MeV
JEFF3.3 Threshold 14.436 MeV
Cross Section (milli-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
6
4
2
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
19-K -40

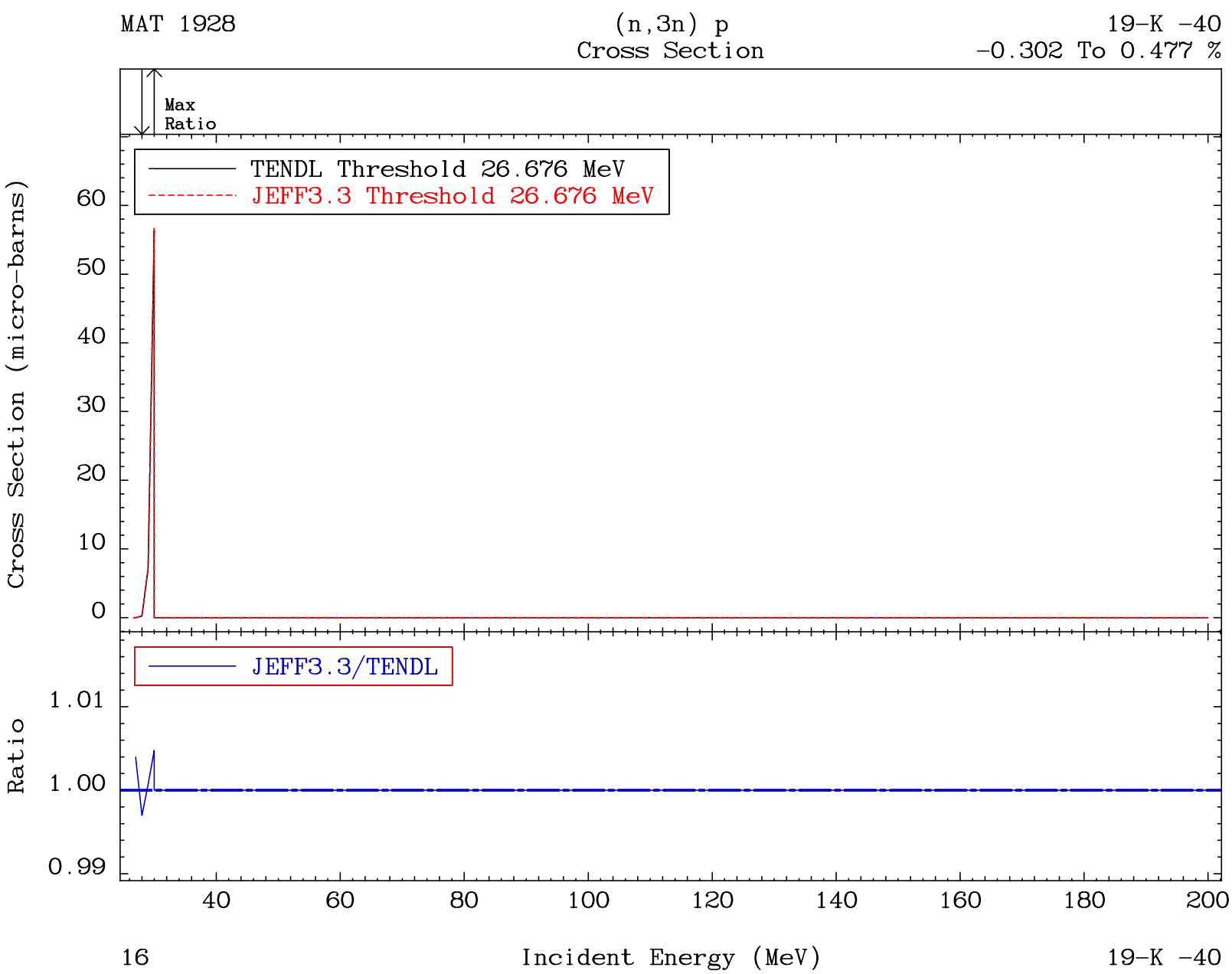

MAT 1928
(n,2n) 2α
Cross Section
19-K -40
0.000 To 469.4 %
Min
Ratio
TENDL Threshold 22.517 MeV
JEFF3.3 Threshold 22.517 MeV
Cross Section (10^-9 barns)
JEFF3.3/TENDL
Ratio
Incident Energy (MeV)
11
19-K -40

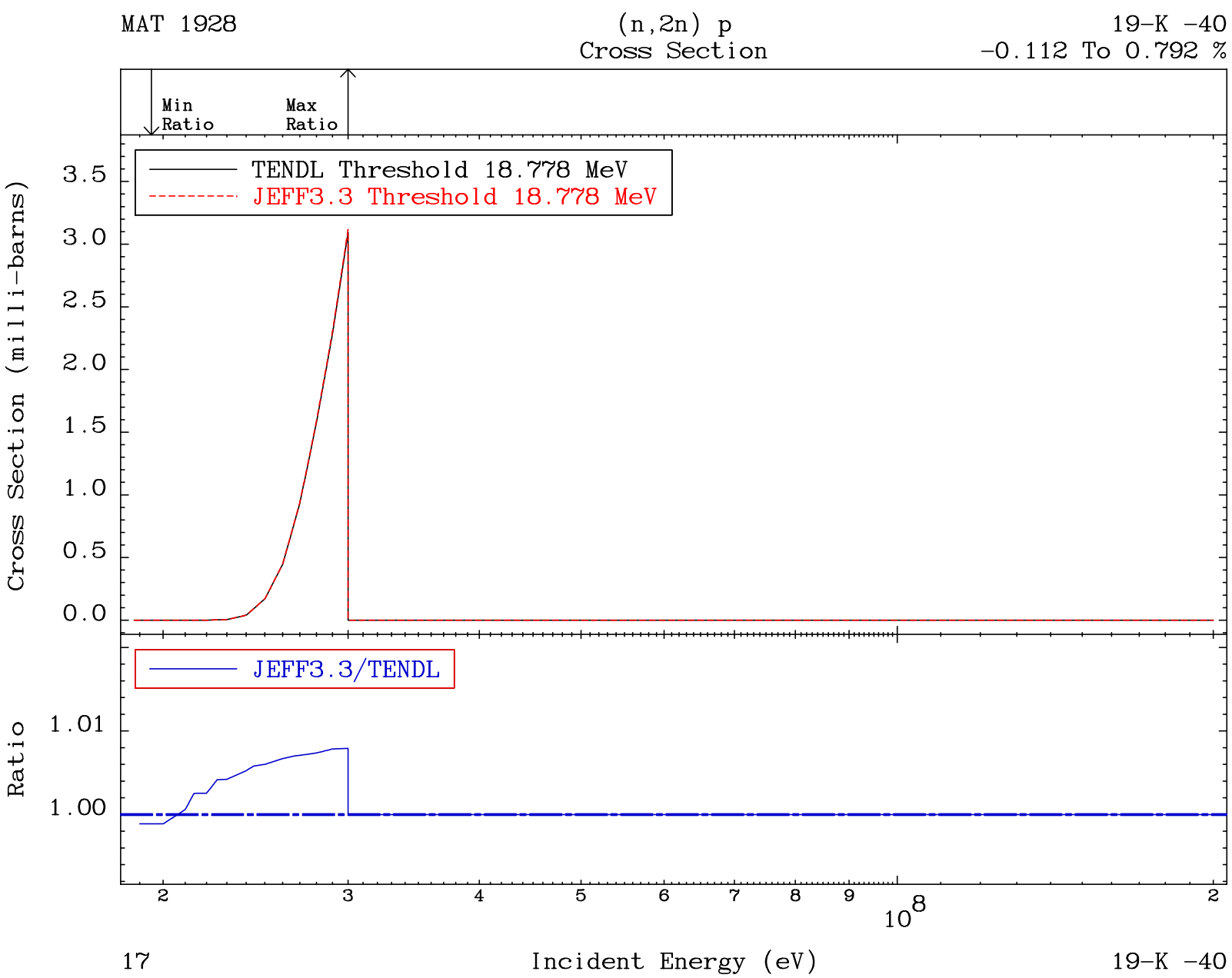

MAT 1928
(n,n') d
Cross Section
19-K -40
-0.485 To 0.207 %
Min Ratio
Max Ratio
TENDL Threshold 12.258 MeV
JEFF3.3 Threshold 12.258 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
19-K -40

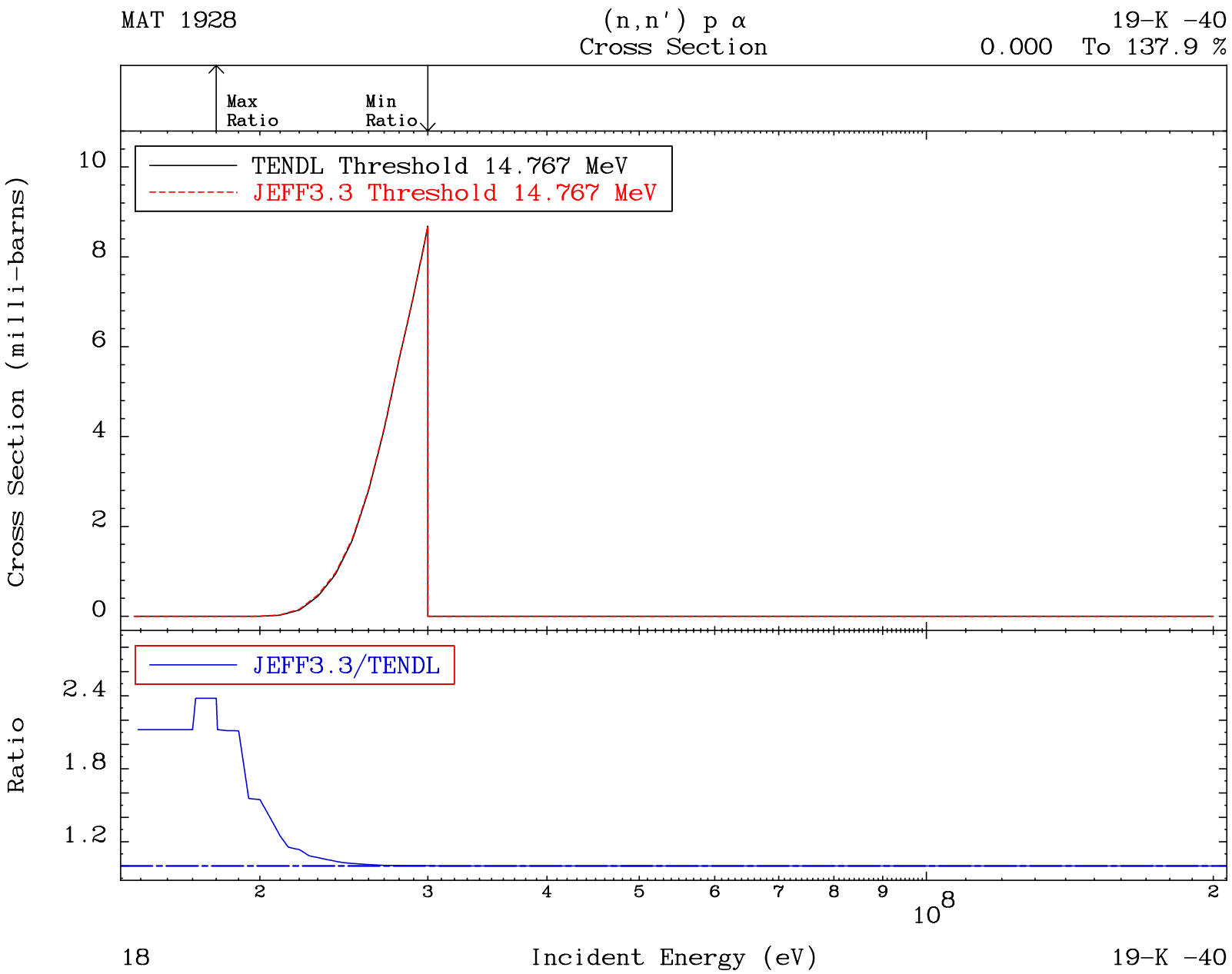

MAT 1928
(n,n') t
Cross Section
19-K -40
0.000 To 1.430 %
Max Ratio
Min Ratio
TENDL Threshold 17.980 MeV
JEFF3.3 Threshold 17.980 MeV
Cross Section (milli-barns)
0
2
4
6
8
JEFF3.3/TENDL
Ratio
1.00
1.01
1.02
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
19-K -40

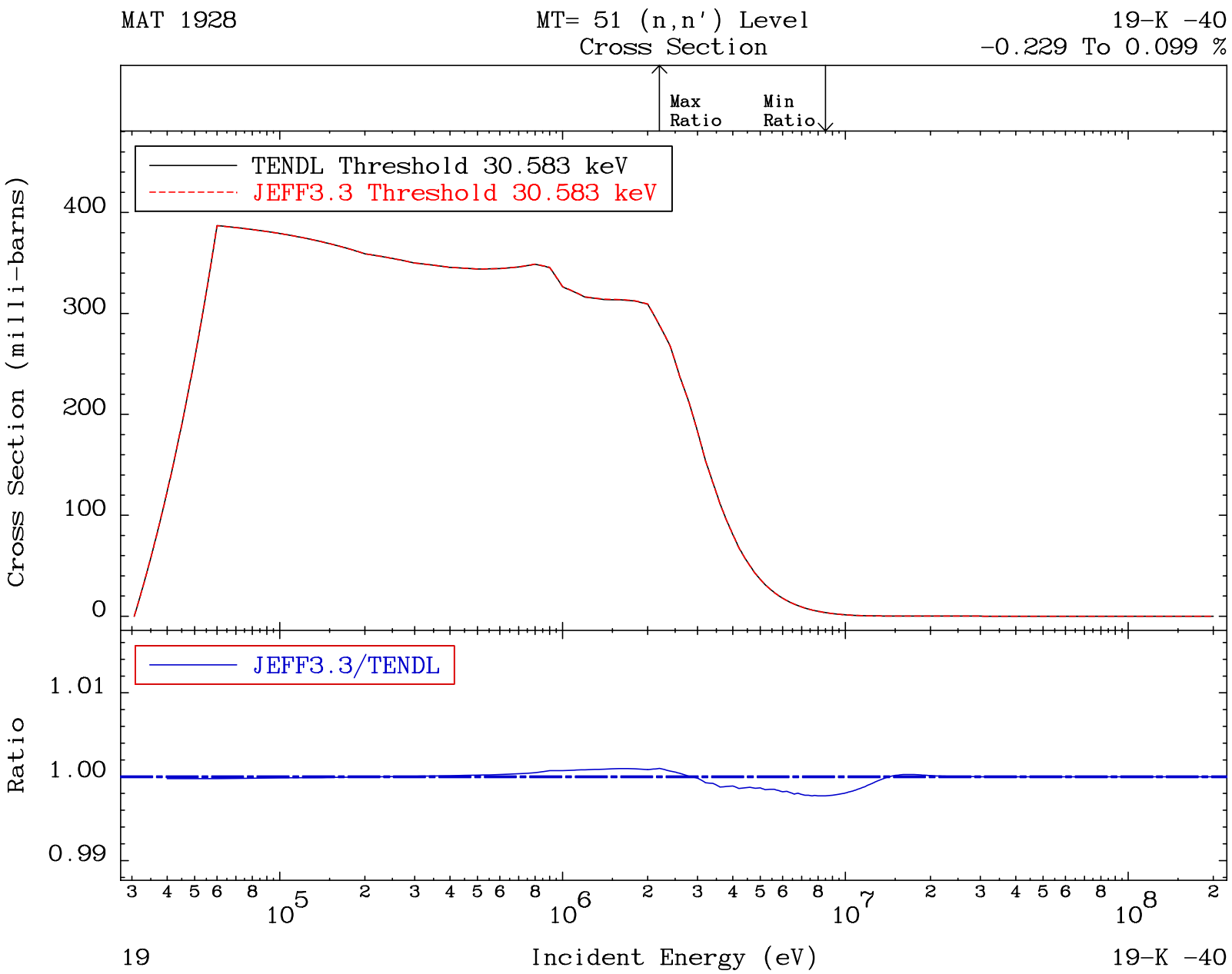

MAT 1928
(n,n') He-3
Cross Section
19-K -40
-0.107 To 0.034 %
Min Ratio
Max Ratio
TENDL Threshold 17.127 MeV
JEFF3.3 Threshold 17.127 MeV
Cross Section (milli-barns)
0
2
4
6
8
JEFF3.3/TENDL
Ratio
0.99
1.00
1.01
2
3
4
5
6
7
8
9
10^8
2
14
Incident Energy (eV)
19-K -40

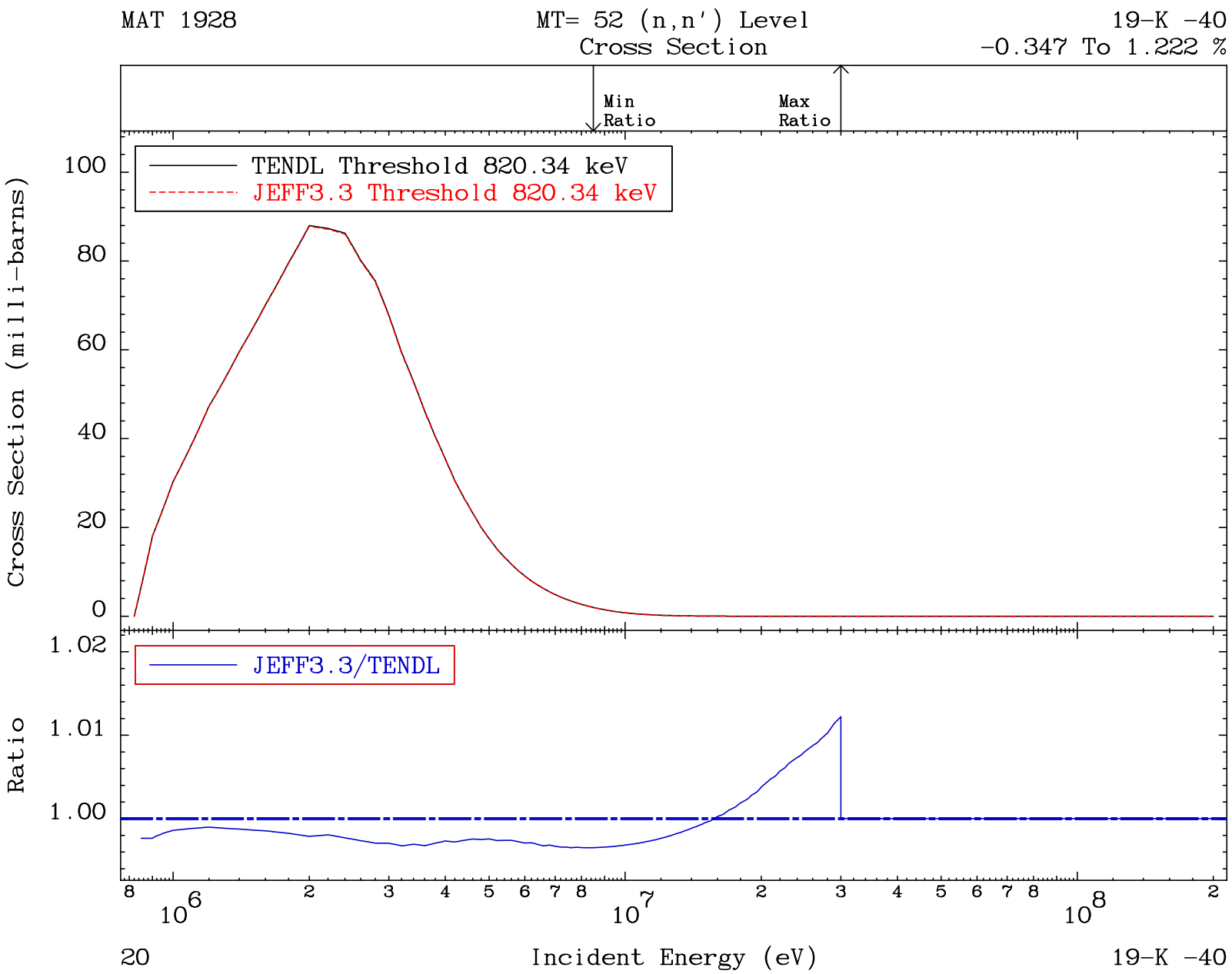

MAT 1928
(n,2n) p
Cross Section
19-K -40
-1.768 To 0.658 %
Min Ratio
Max Ratio
TENDL Threshold 14.539 MeV
JEFF3.3 Threshold 14.539 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
15
Incident Energy (eV)
19-K -40

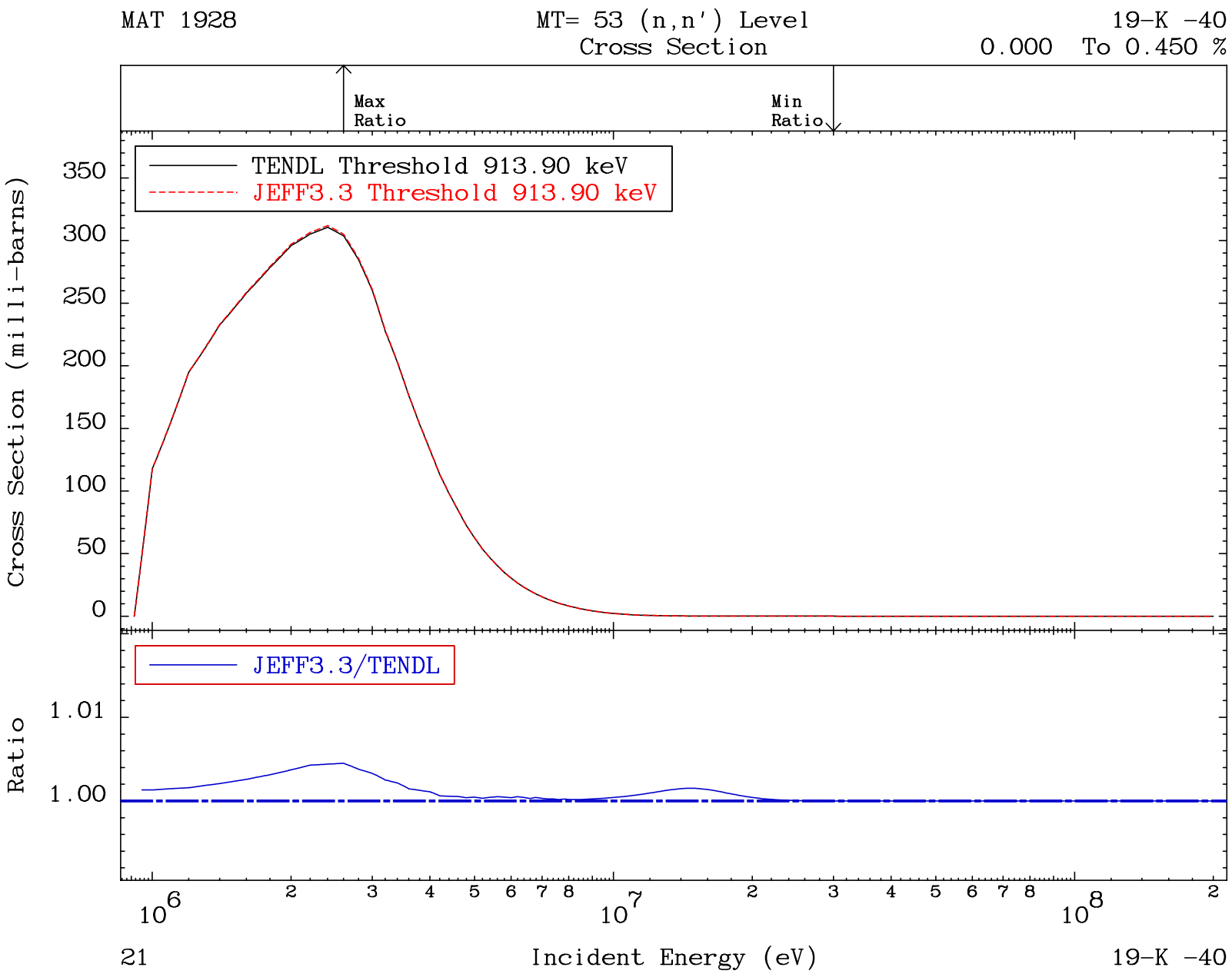

MAT 1928
(n,3n) p
Cross Section
19-K -40
-0.302 To 0.477 %
Max
Ratio
TENDL Threshold 26.676 MeV
JEFF3.3 Threshold 26.676 MeV
Cross Section (micro-barns)
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
40
60
80
100
120
140
160
180
200
16
Incident Energy (MeV)
19-K -40

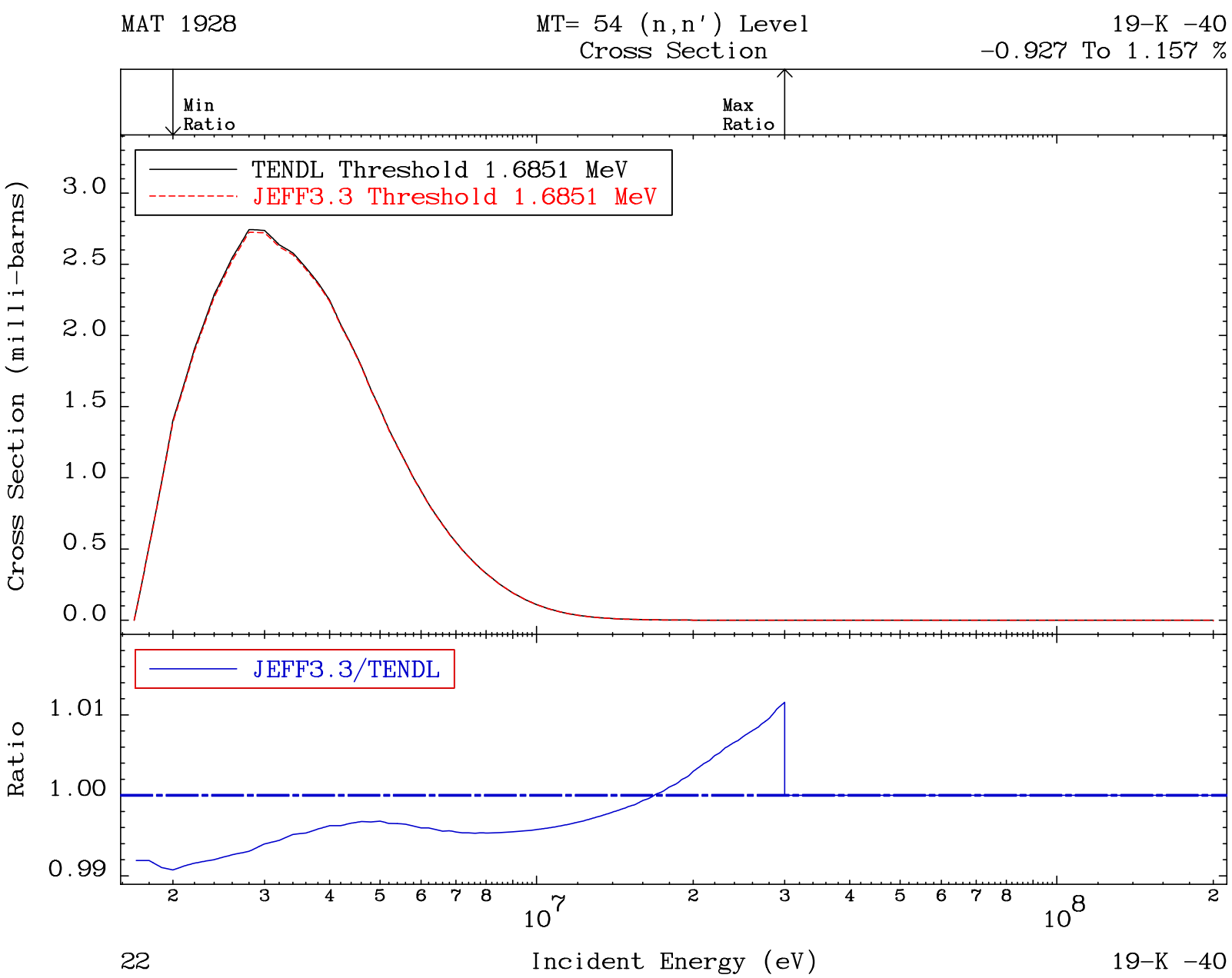

MAT 1928
(n,2n) p
Cross Section
19-K -40
-0.112 To 0.792 %
Min Ratio
Max Ratio
TENDL Threshold 18.778 MeV
JEFF3.3 Threshold 18.778 MeV
Cross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
17
Incident Energy (eV)
19-K -40

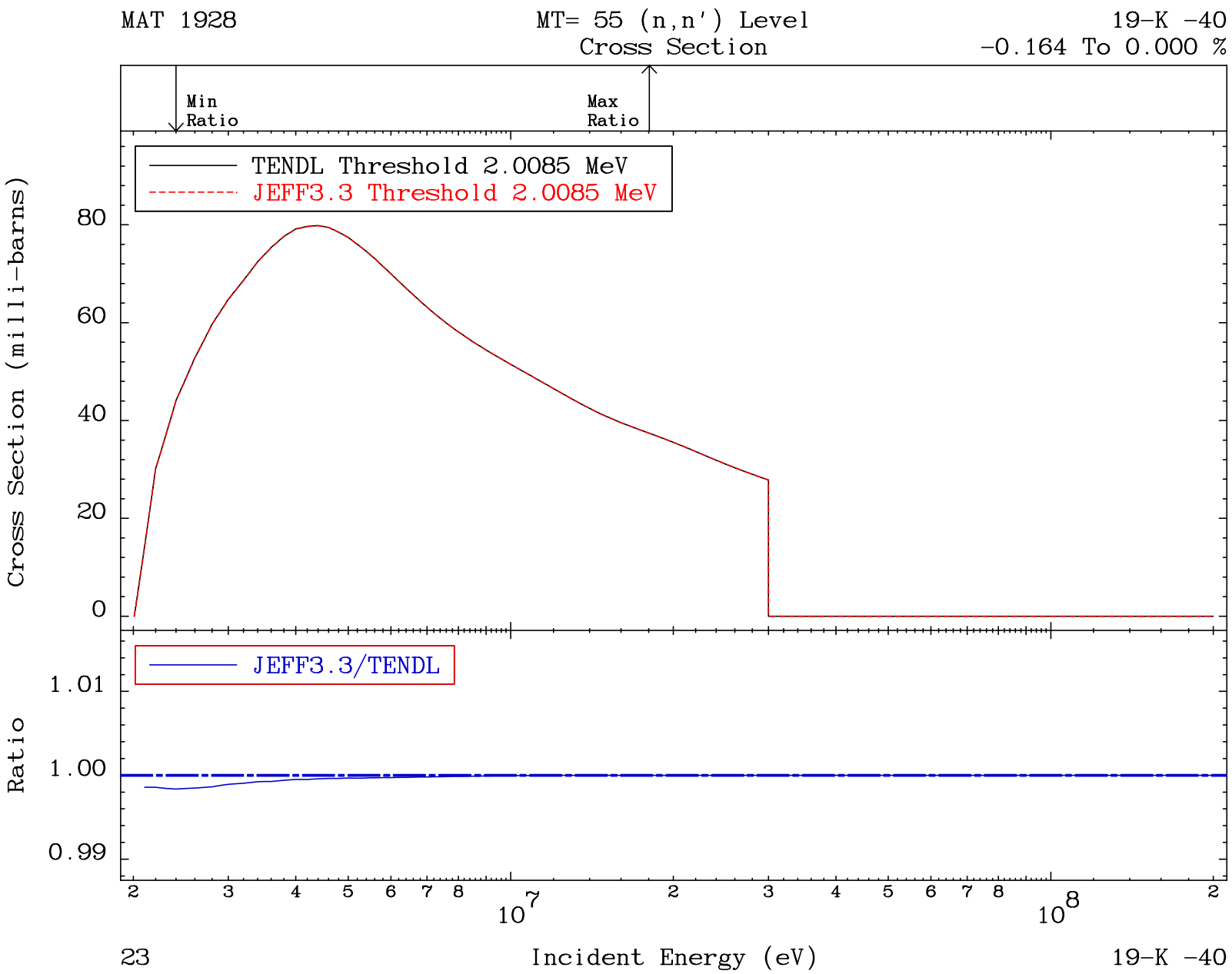

MAT 1928
(n,n') p α
Cross Section
19-K -40
0.000 To 137.9 %
Max Ratio
Min Ratio
TENDL Threshold 14.767 MeV
JEFF3.3 Threshold 14.767 MeV
Cross Section (milli-barns)
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
2.4
1.8
1.2
2
3
4
5
6
7
8
9
10^8
2
18
Incident Energy (eV)
19-K -40

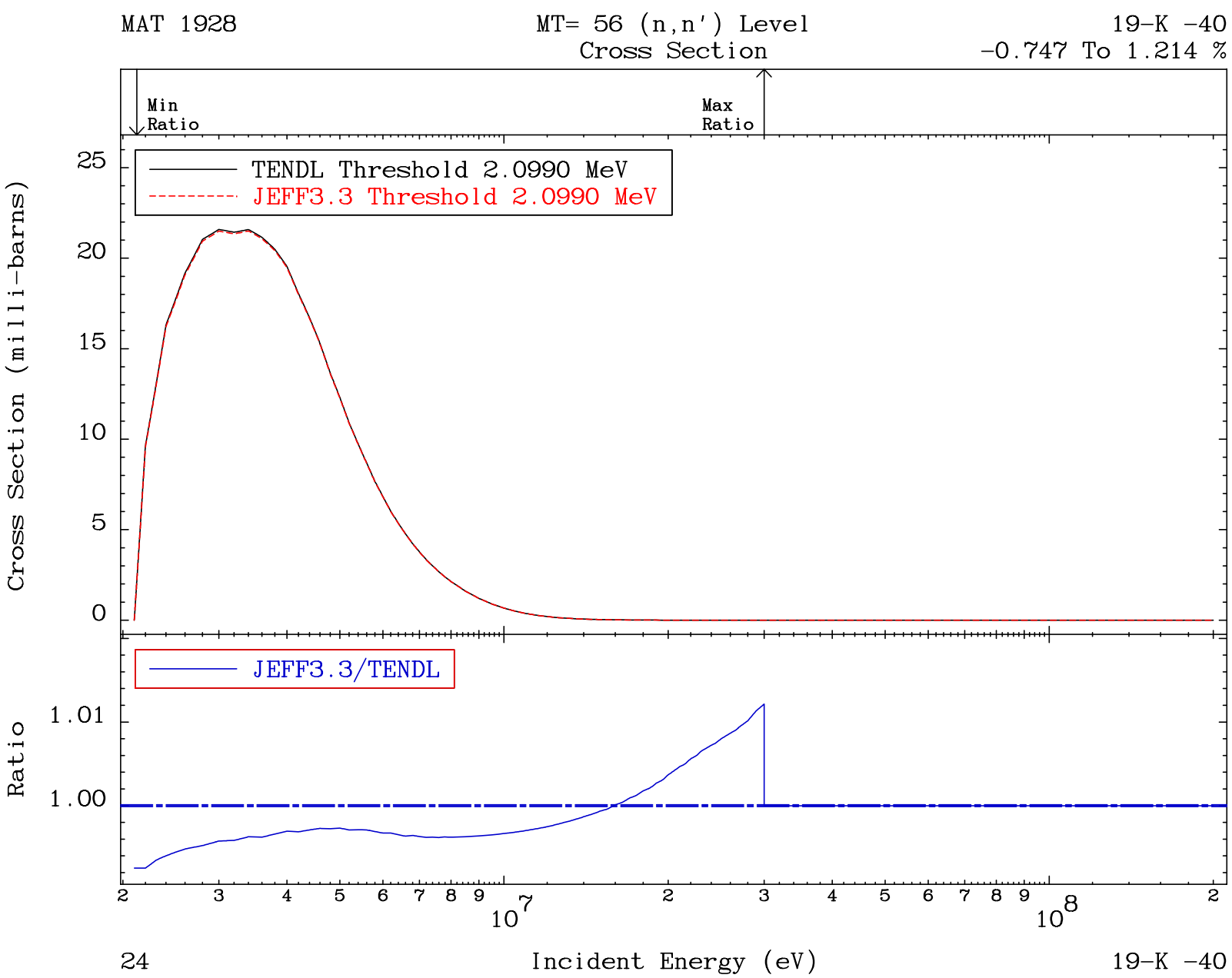

MAT 1928
MT= 51 (n,n') Level
Cross Section
19-K -40
-0.229 To 0.099 %
Max
Ratio
Min
Ratio
TENDL Threshold 30.583 keV
JEFF3.3 Threshold 30.583 keV
Cross Section (milli-barns)
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
19
Incident Energy (eV)
19-K -40

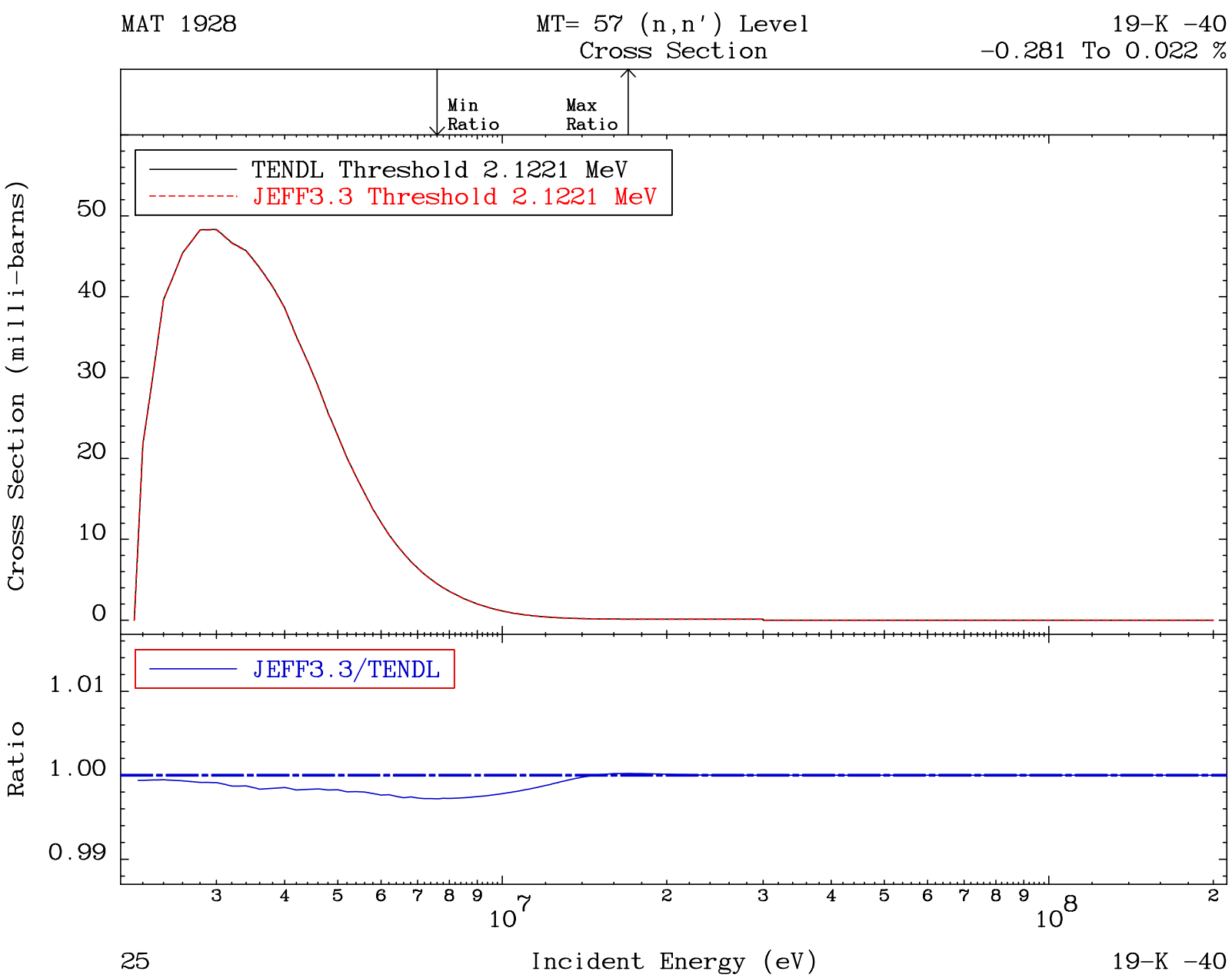

MAT 1928
MT= 52 (n,n') Level
Cross Section
19-K -40
-0.347 To 1.222 %
Min
Ratio
Max
Ratio
TENDL Threshold 820.34 keV
JEFF3.3 Threshold 820.34 keV
Cross Section (milli-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
20
Incident Energy (eV)
19-K -40

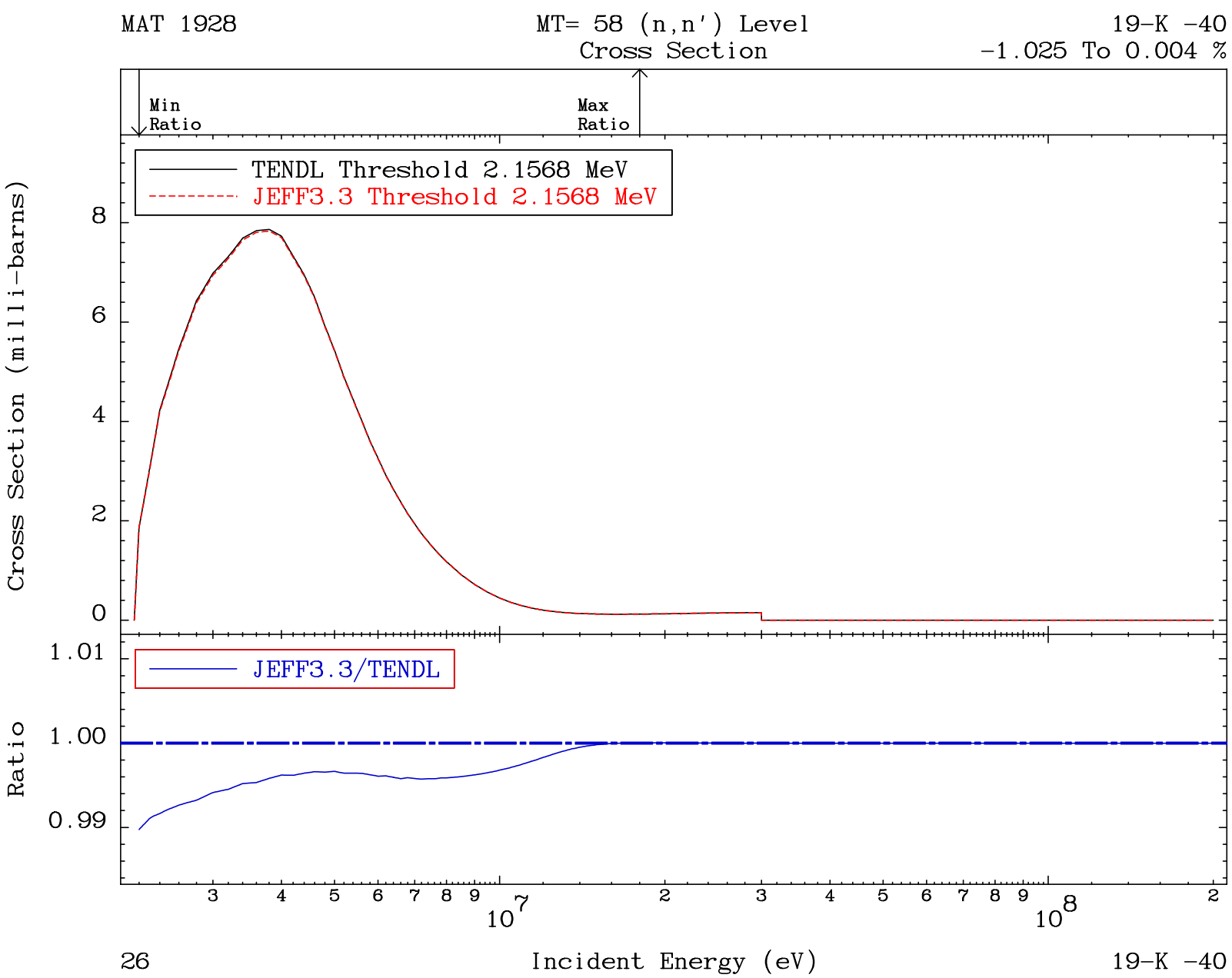

MAT 1928
MT= 53 (n,n') Level
Cross Section
19-K -40
0.000 To 0.450 %
Max
Ratio
Min
Ratio
TENDL Threshold 913.90 keV
JEFF3.3 Threshold 913.90 keV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
21
Incident Energy (eV)
19-K -40

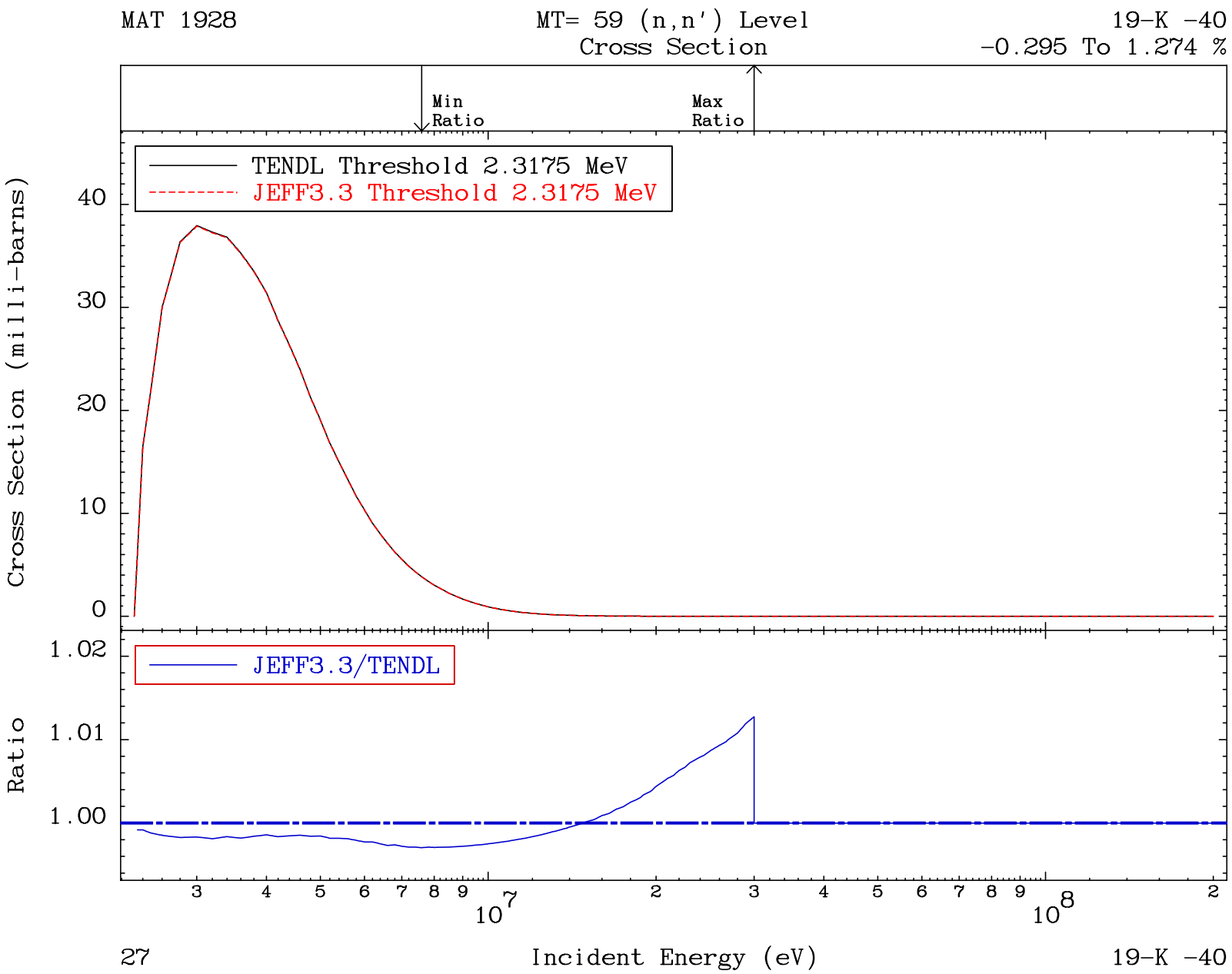

MAT 1928
MT= 54 (n,n') Level
Cross Section
19-K -40
-0.927 To 1.157 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.6851 MeV
JEFF3.3 Threshold 1.6851 MeV
Cross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
22
Incident Energy (eV)
19-K -40

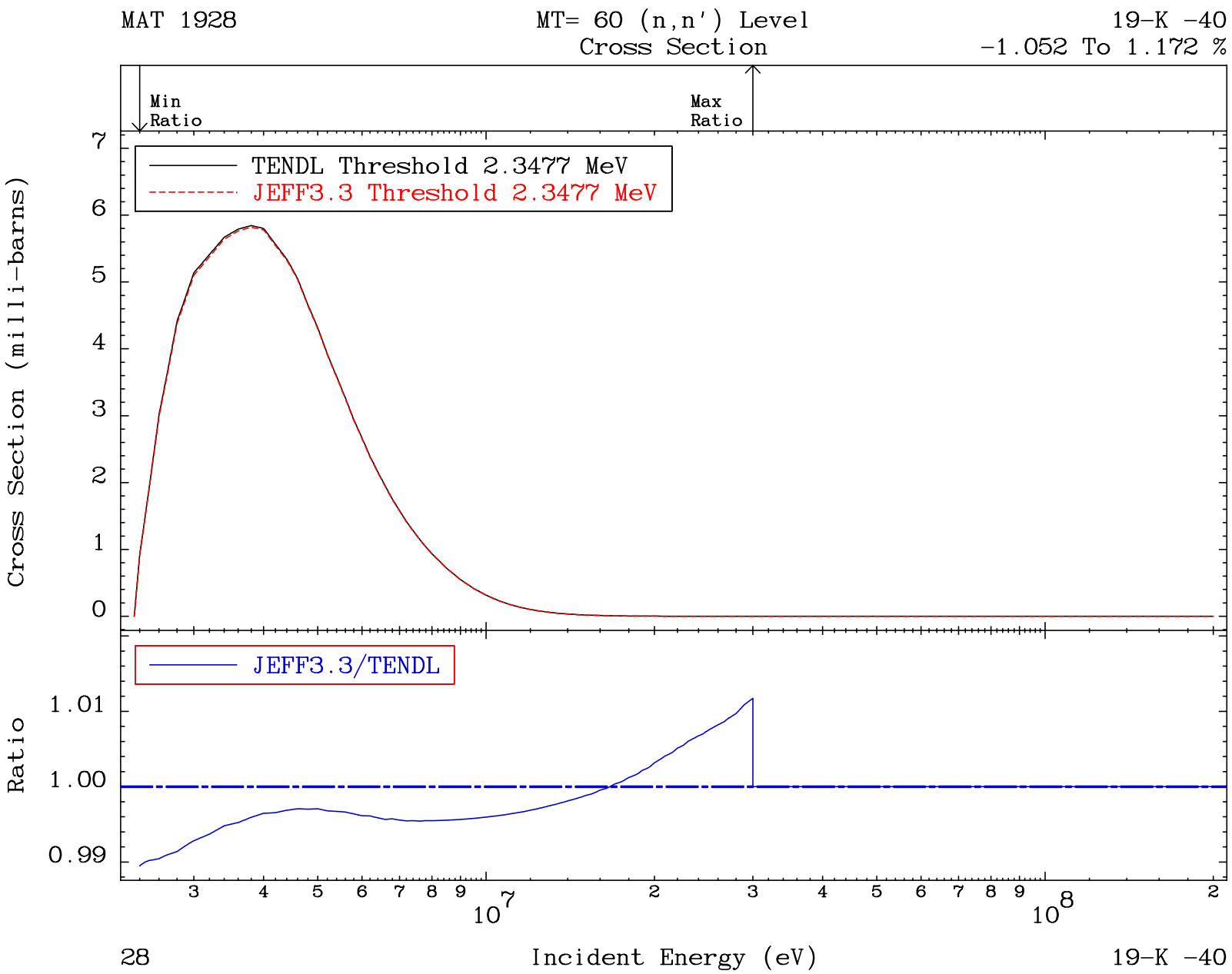

MAT 1928
MT= 55 (n,n') Level
Cross Section
19-K -40
-0.164 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.0085 MeV
JEFF3.3 Threshold 2.0085 MeV
Cross Section (milli-barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
23
Incident Energy (eV)
19-K -40

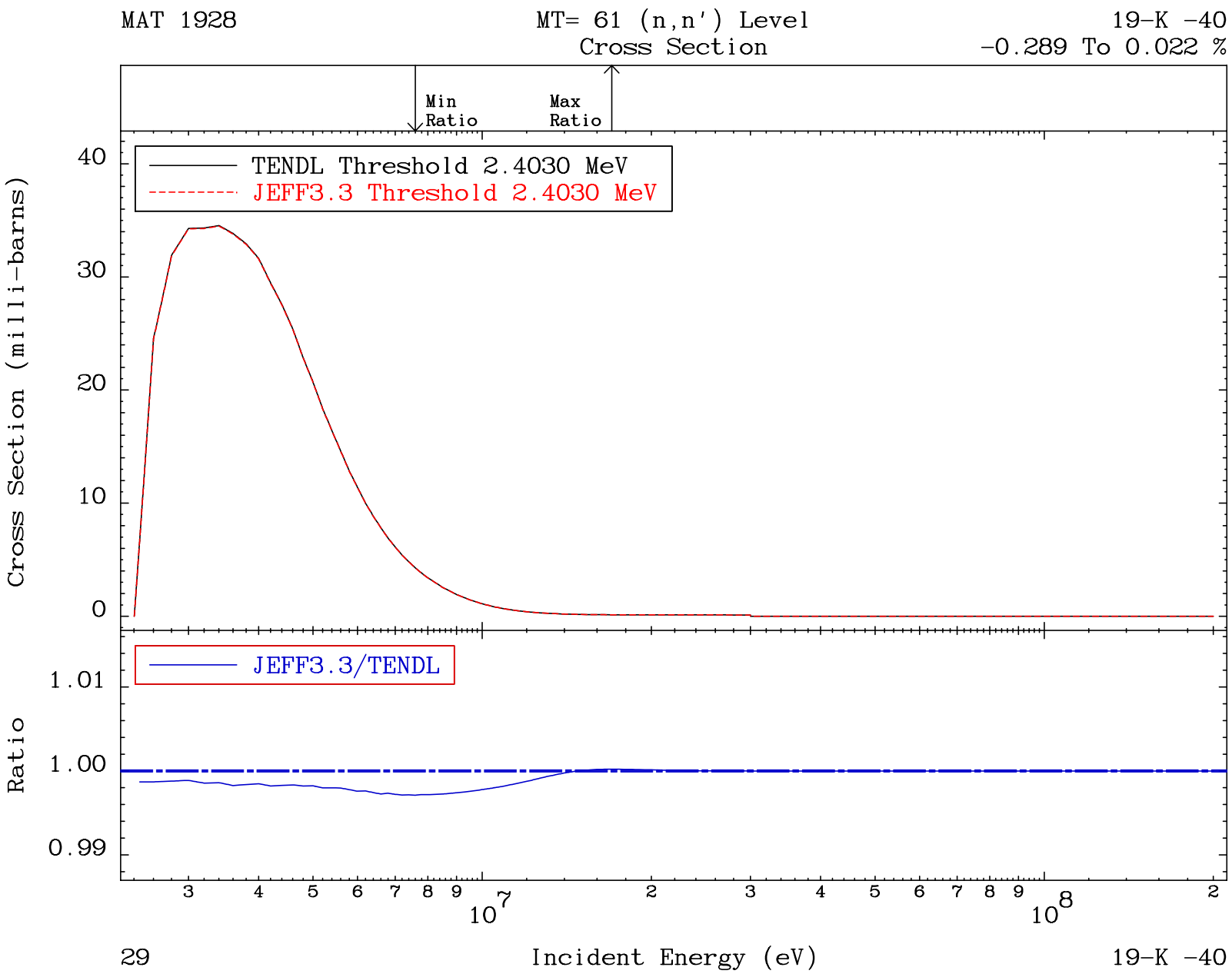

MAT 1928
MT= 56 (n,n') Level
Cross Section
19-K -40
-0.747 To 1.214 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.0990 MeV
JEFF3.3 Threshold 2.0990 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
2
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
24
Incident Energy (eV)
19-K -40

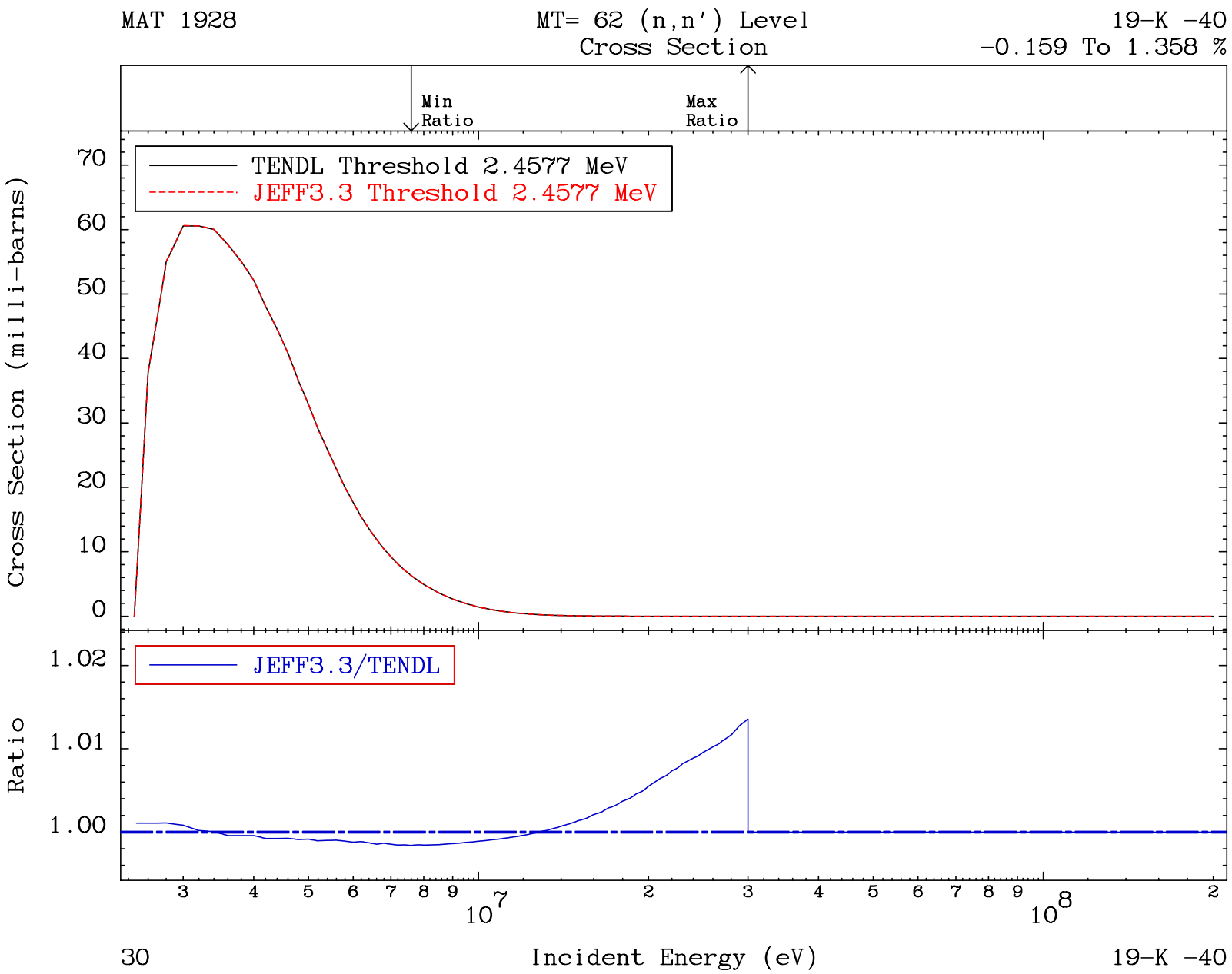

MAT 1928
MT= 57 (n,n') Level
Cross Section
19-K -40
-0.281 To 0.022 %
Min Ratio
Max Ratio
TENDL Threshold 2.1221 MeV
JEFF3.3 Threshold 2.1221 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
25
Incident Energy (eV)
19-K -40

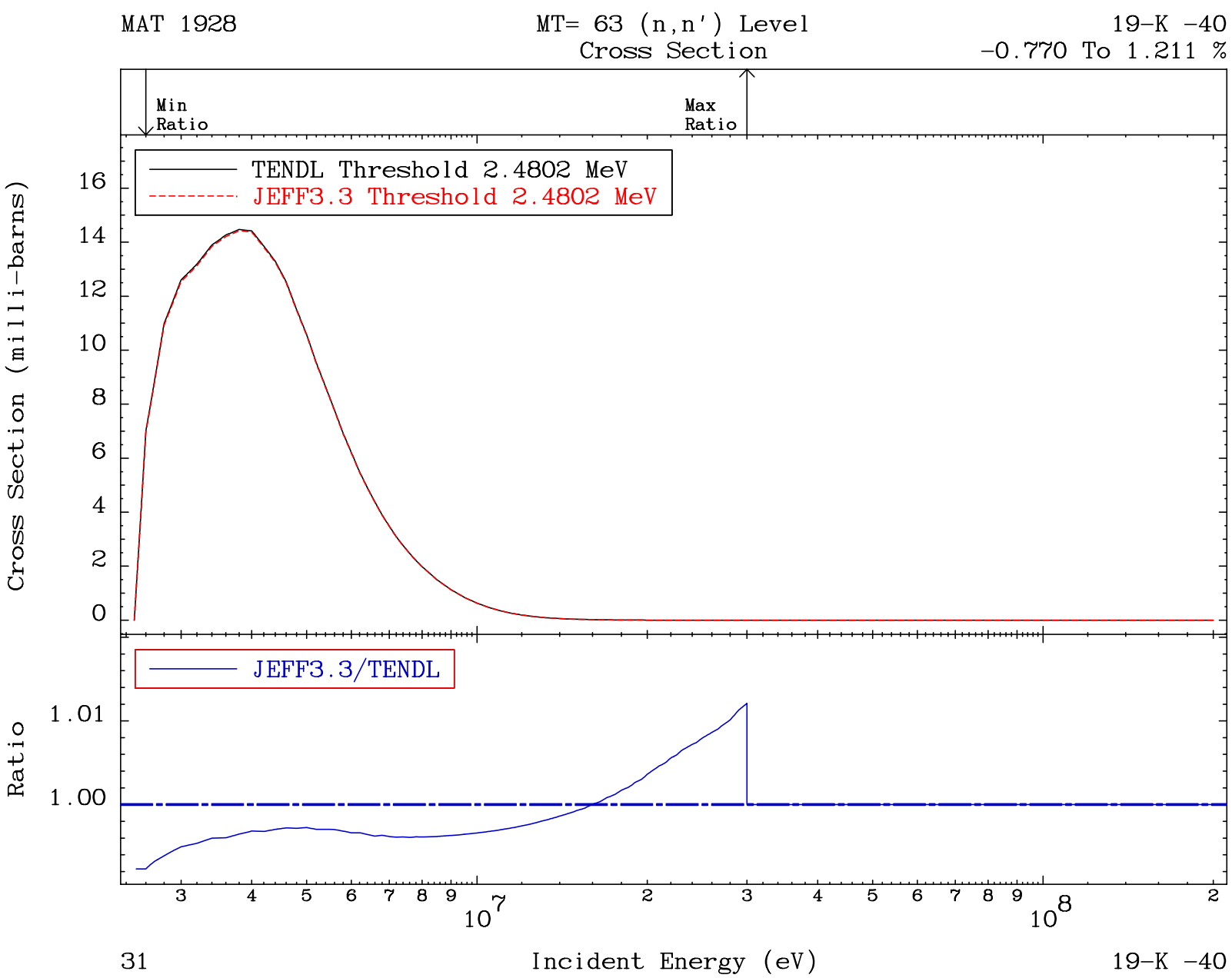

MAT 1928
MT= 58 (n,n') Level
Cross Section
19-K -40
-1.025 To 0.004 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.1568 MeV
JEFF3.3 Threshold 2.1568 MeV
Cross Section (milli-barns)
0
2
4
6
8
JEFF3.3/TENDL
Ratio
0.99
1.00
1.01
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
26
19-K -40

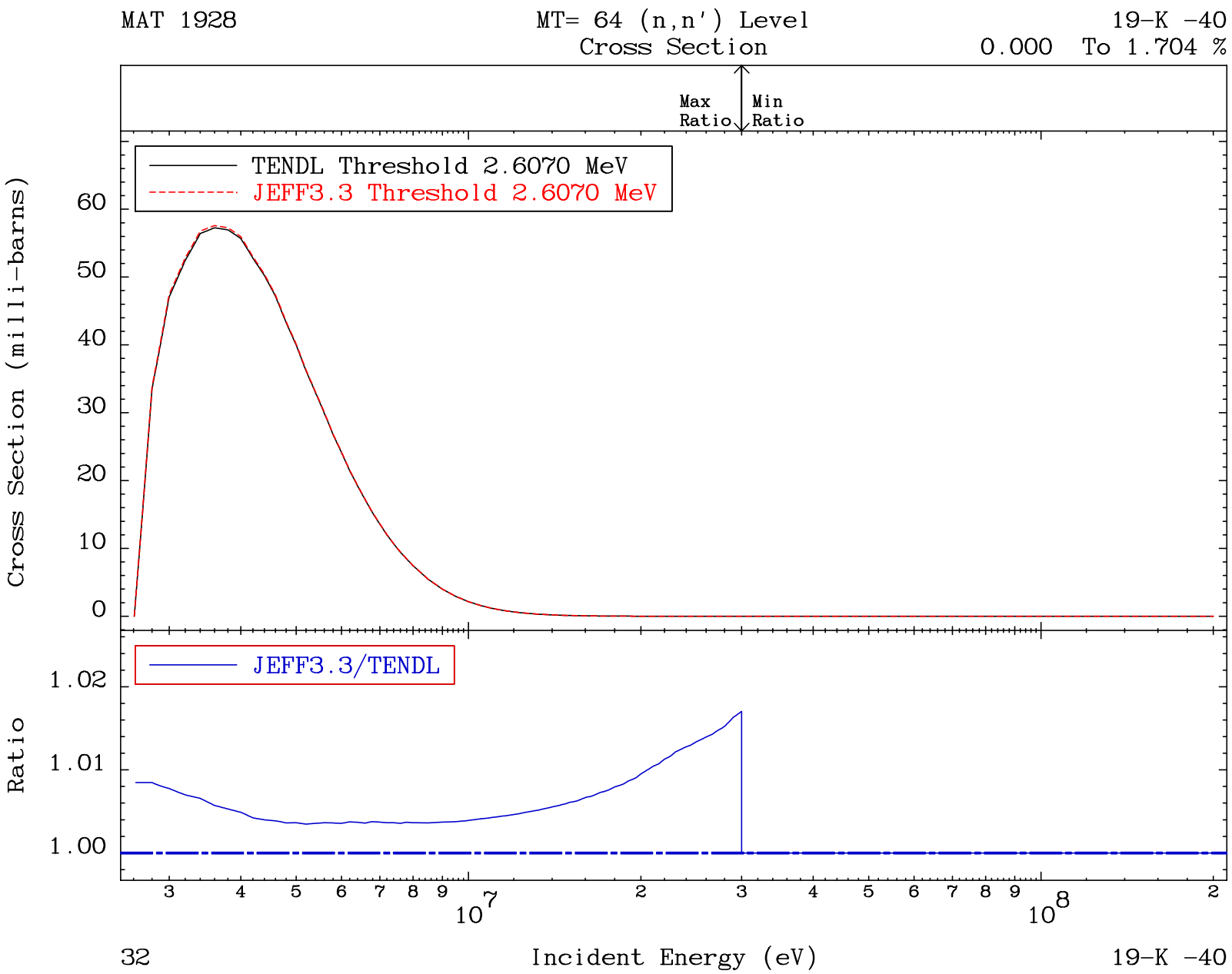

MAT 1928
MT= 59 (n,n') Level
Cross Section
19-K -40
-0.295 To 1.274 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.3175 MeV
JEFF3.3 Threshold 2.3175 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
27
Incident Energy (eV)
19-K -40

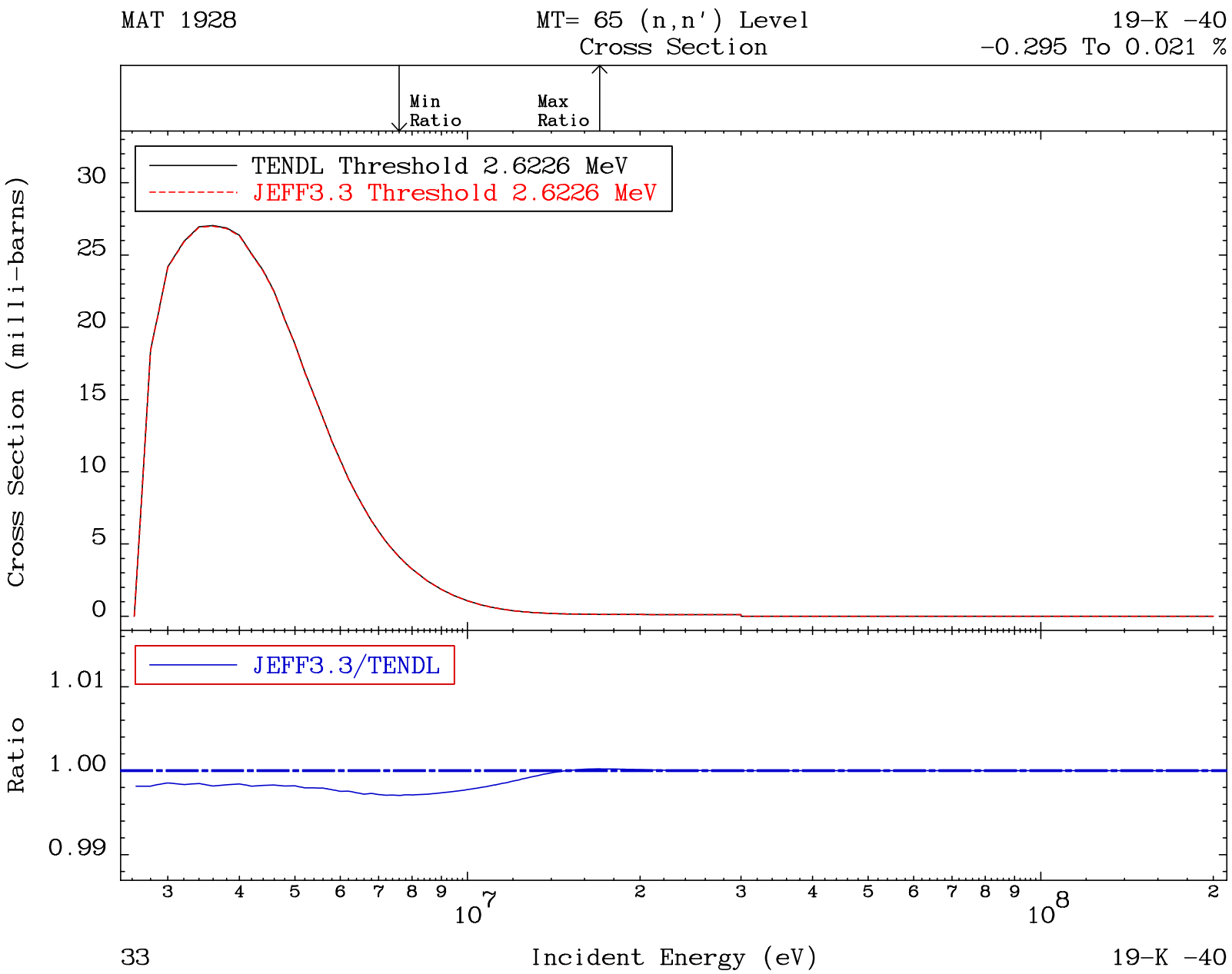

MAT 1928
MT= 60 (n,n') Level
Cross Section
19-K -40
-1.052 To 1.172 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.3477 MeV
JEFF3.3 Threshold 2.3477 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
28
19-K -40

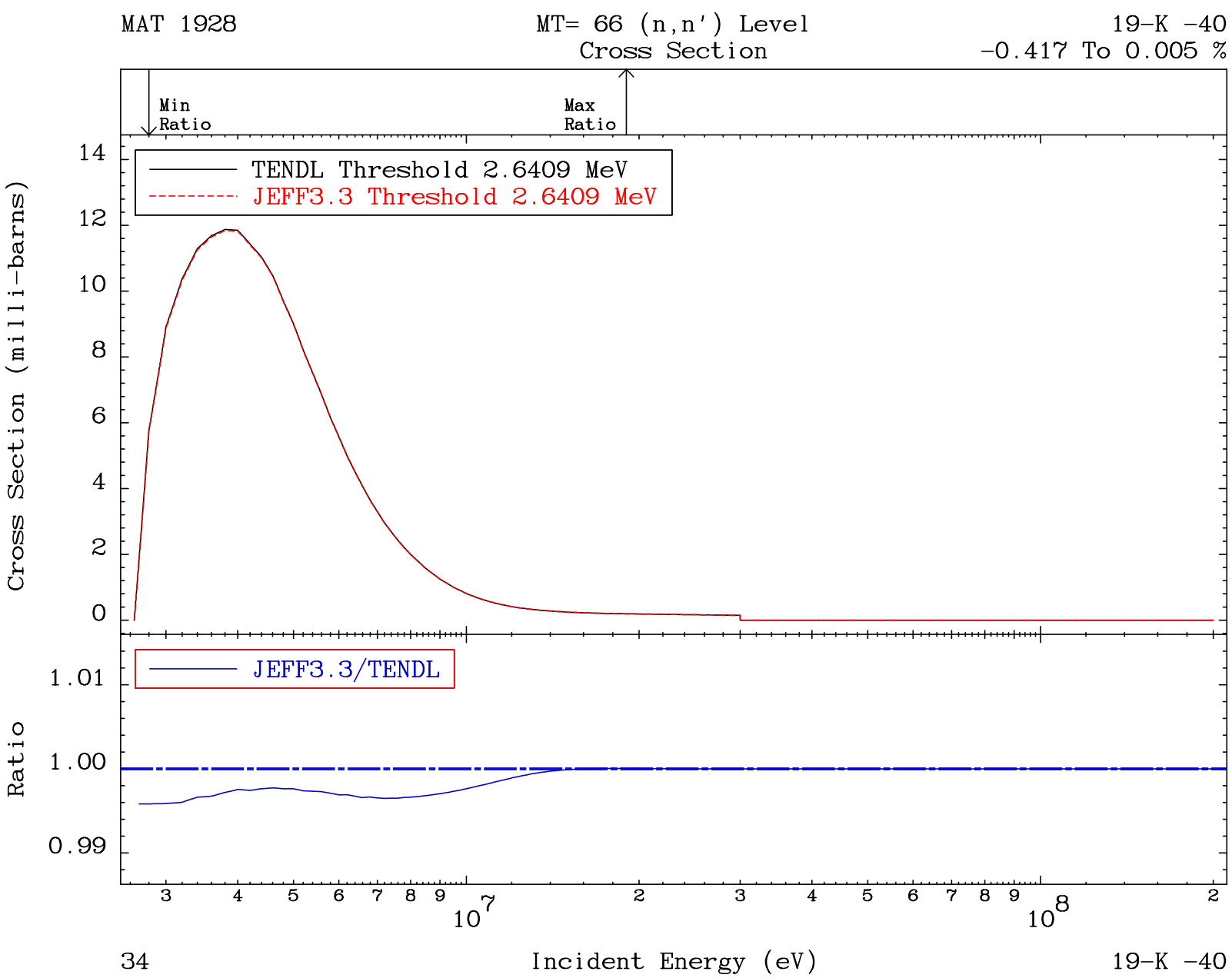

MAT 1928
MT= 61 (n,n') Level
Cross Section
19-K -40
-0.289 To 0.022 %
Min Ratio
Max Ratio
TENDL Threshold 2.4030 MeV
JEFF3.3 Threshold 2.4030 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
29
Incident Energy (eV)
19-K -40

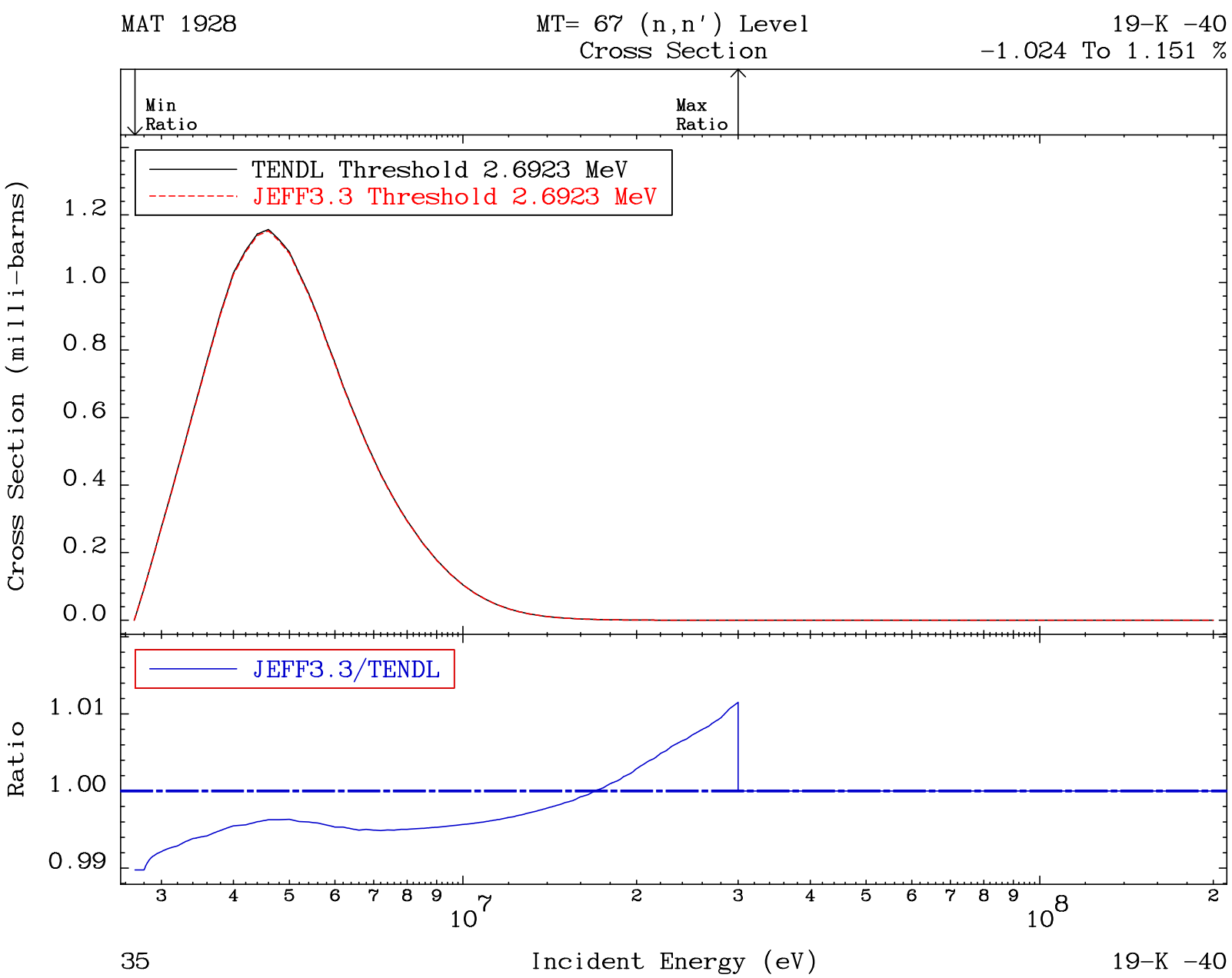

MAT 1928
MT= 62 (n,n') Level
Cross Section
19-K -40
-0.159 To 1.358 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.4577 MeV
JEFF3.3 Threshold 2.4577 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
30
Incident Energy (eV)
19-K -40

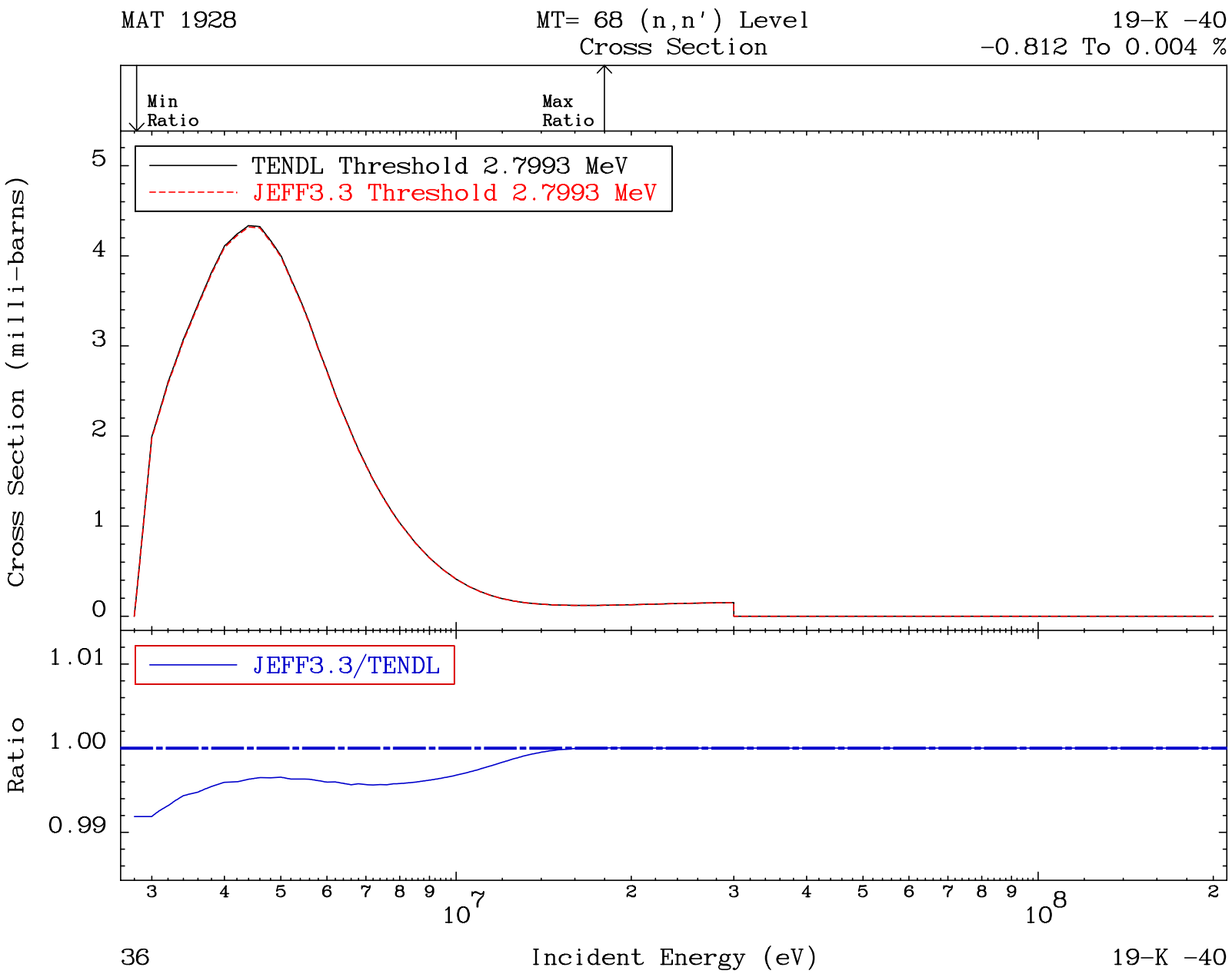

MAT 1928
MT= 63 (n,n') Level
Cross Section
19-K -40
-0.770 To 1.211 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.4802 MeV
JEFF3.3 Threshold 2.4802 MeV
Cross Section (milli-barns)
16
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.01
1.00
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
31
Incident Energy (eV)
19-K -40

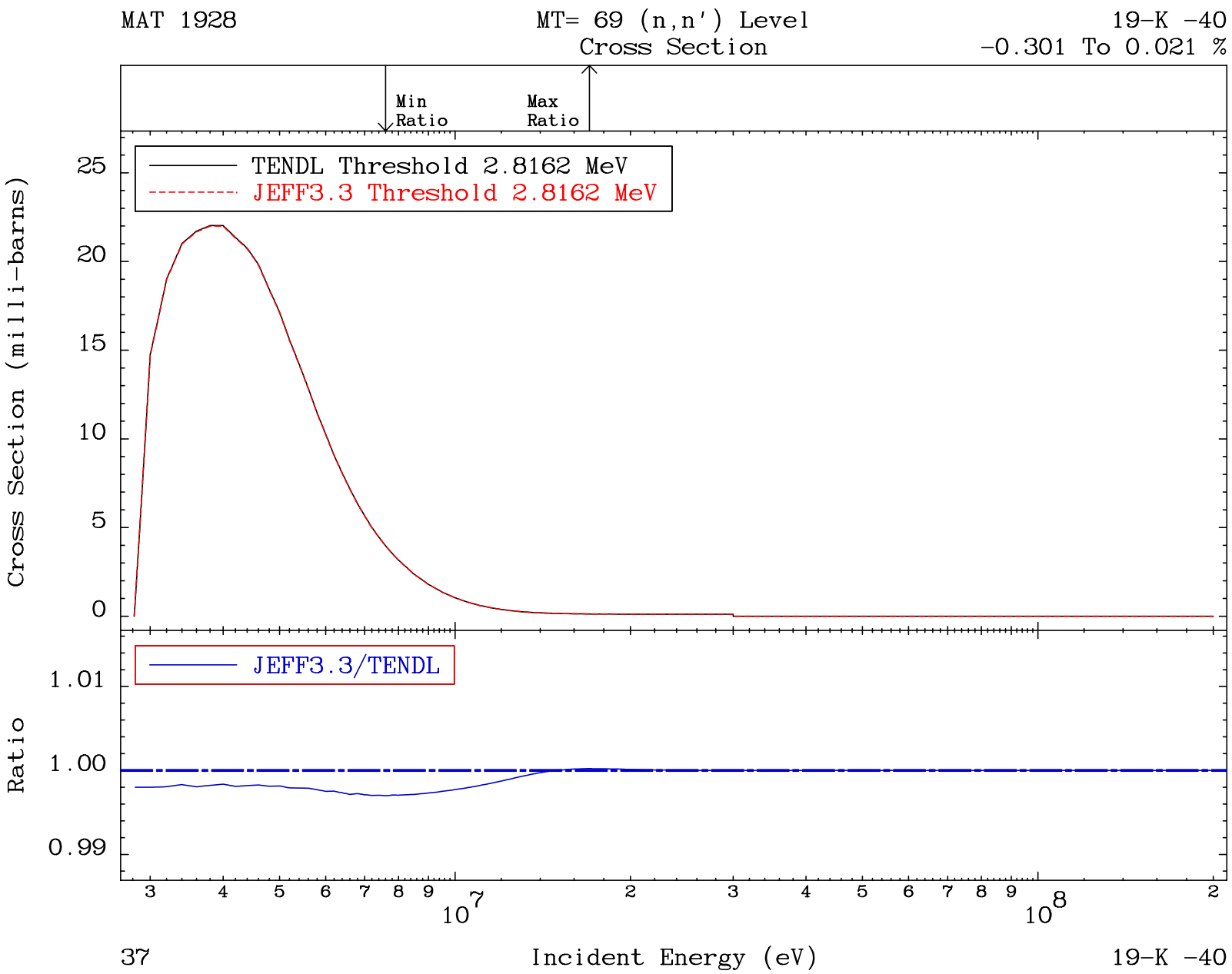

MAT 1928
MT= 64 (n,n') Level
Cross Section
19-K -40
0.000 To 1.704 %
Max Ratio
Min Ratio
TENDL Threshold 2.6070 MeV
JEFF3.3 Threshold 2.6070 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
32
Incident Energy (eV)
19-K -40

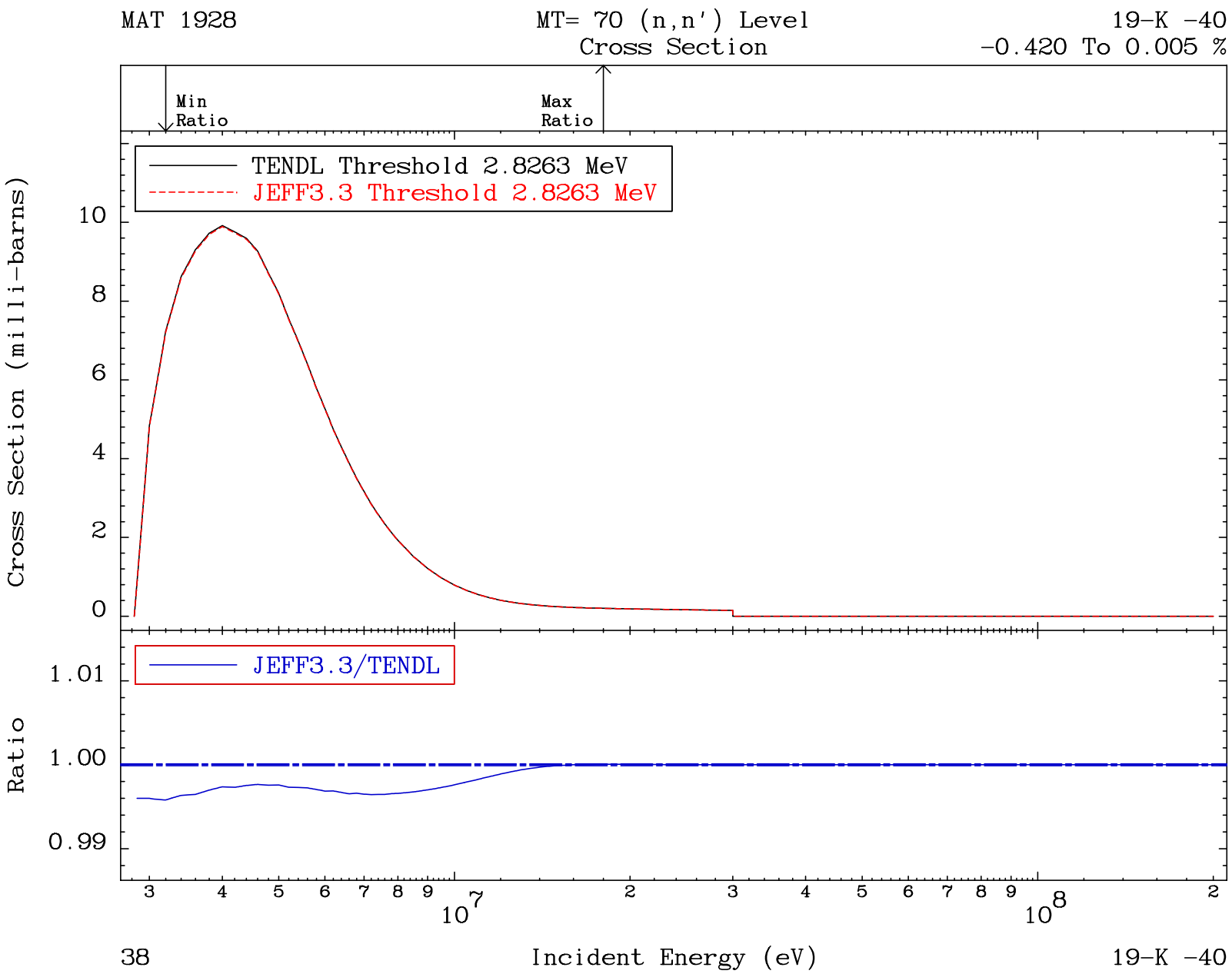

MAT 1928
MT= 65 (n,n') Level
Cross Section
19-K -40
-0.295 To 0.021 %
Min Ratio
Max Ratio
TENDL Threshold 2.6226 MeV
JEFF3.3 Threshold 2.6226 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
33
Incident Energy (eV)
19-K -40

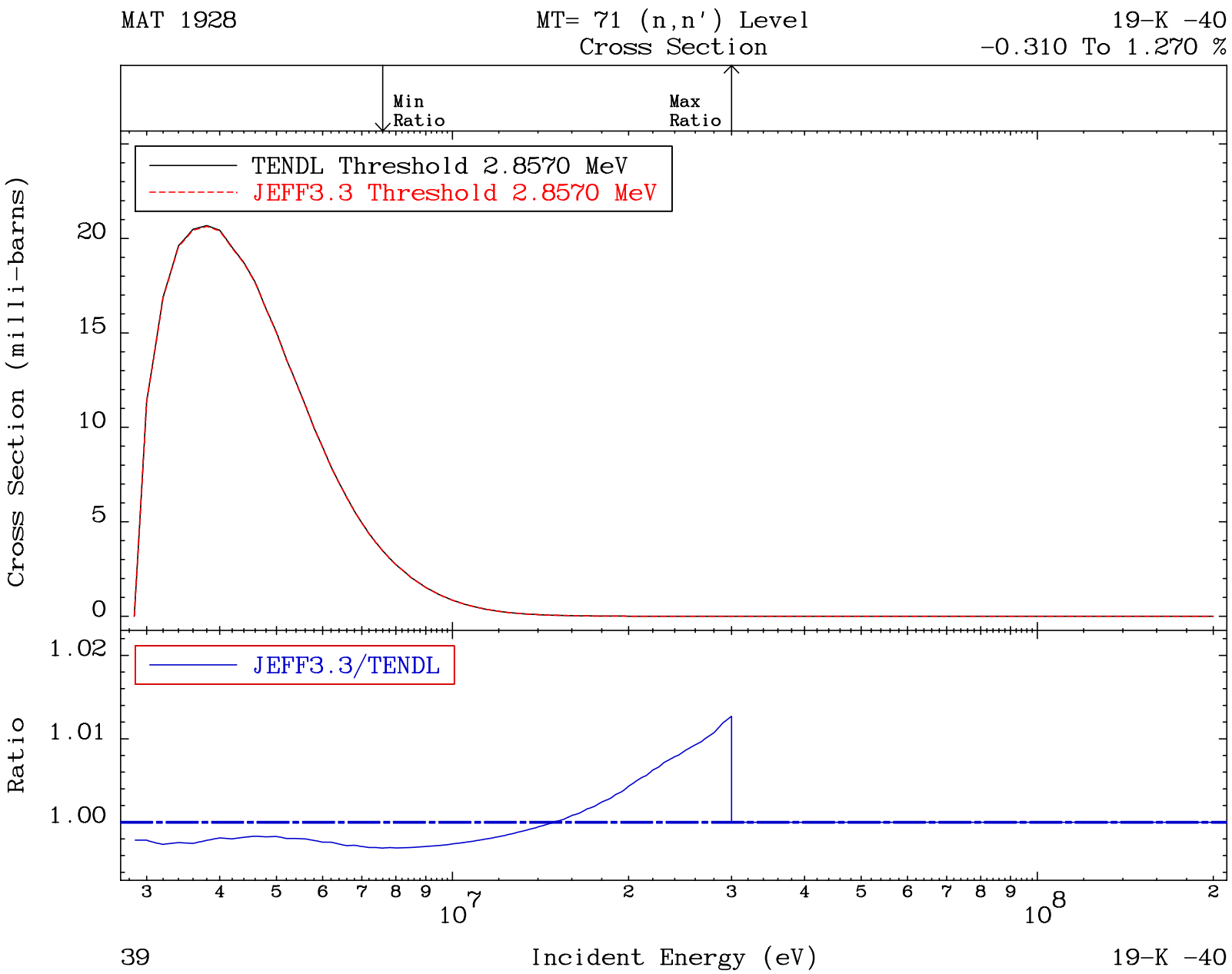

MAT 1928
MT= 66 (n,n') Level
Cross Section
19-K -40
-0.417 To 0.005 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.6409 MeV
JEFF3.3 Threshold 2.6409 MeV
Cross Section (milli-barns)
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
34
Incident Energy (eV)
19-K -40

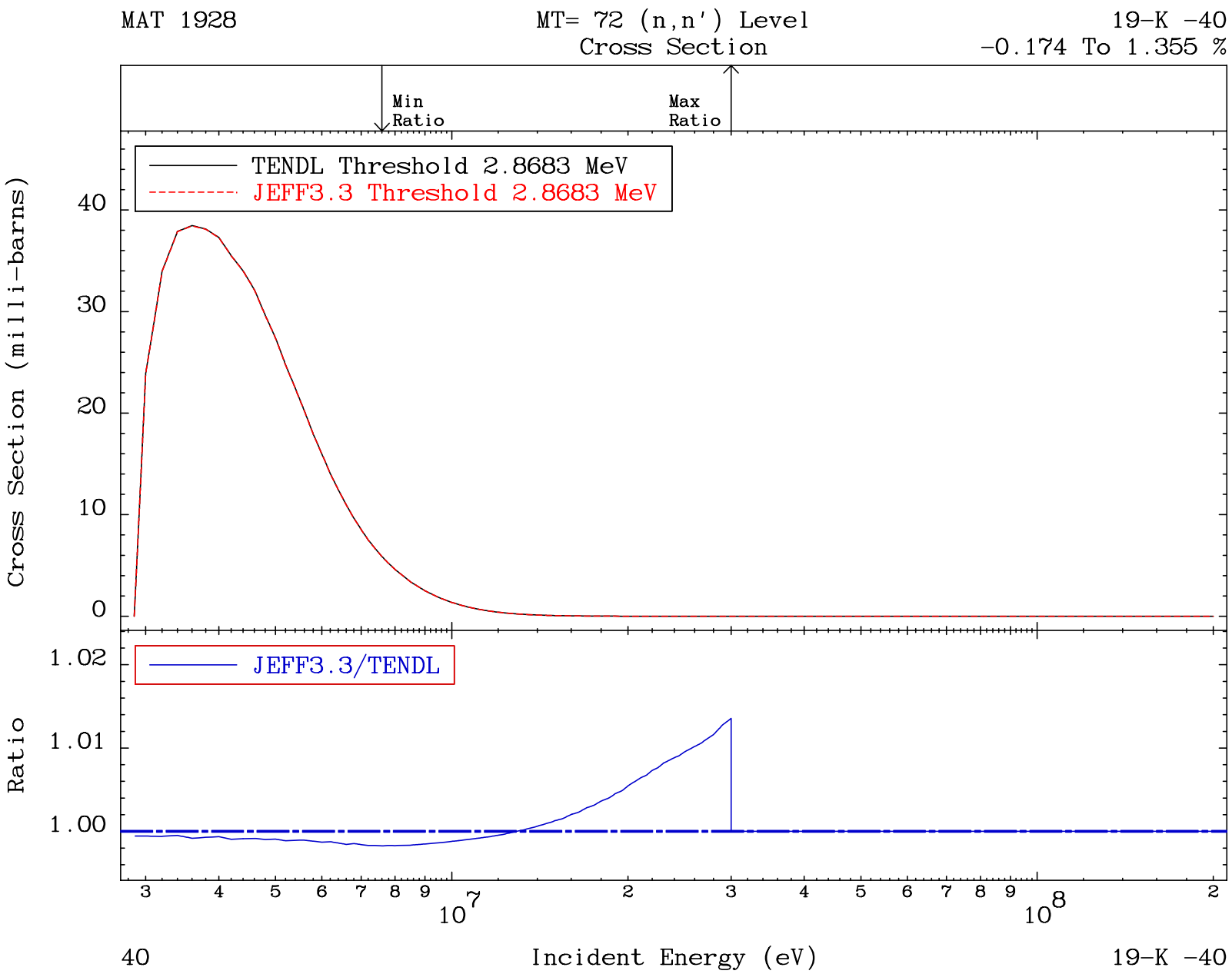

MAT 1928
MT= 67 (n,n') Level
Cross Section
19-K -40
-1.024 To 1.151 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.6923 MeV
JEFF3.3 Threshold 2.6923 MeV
Cross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
35
Incident Energy (eV)
19-K -40

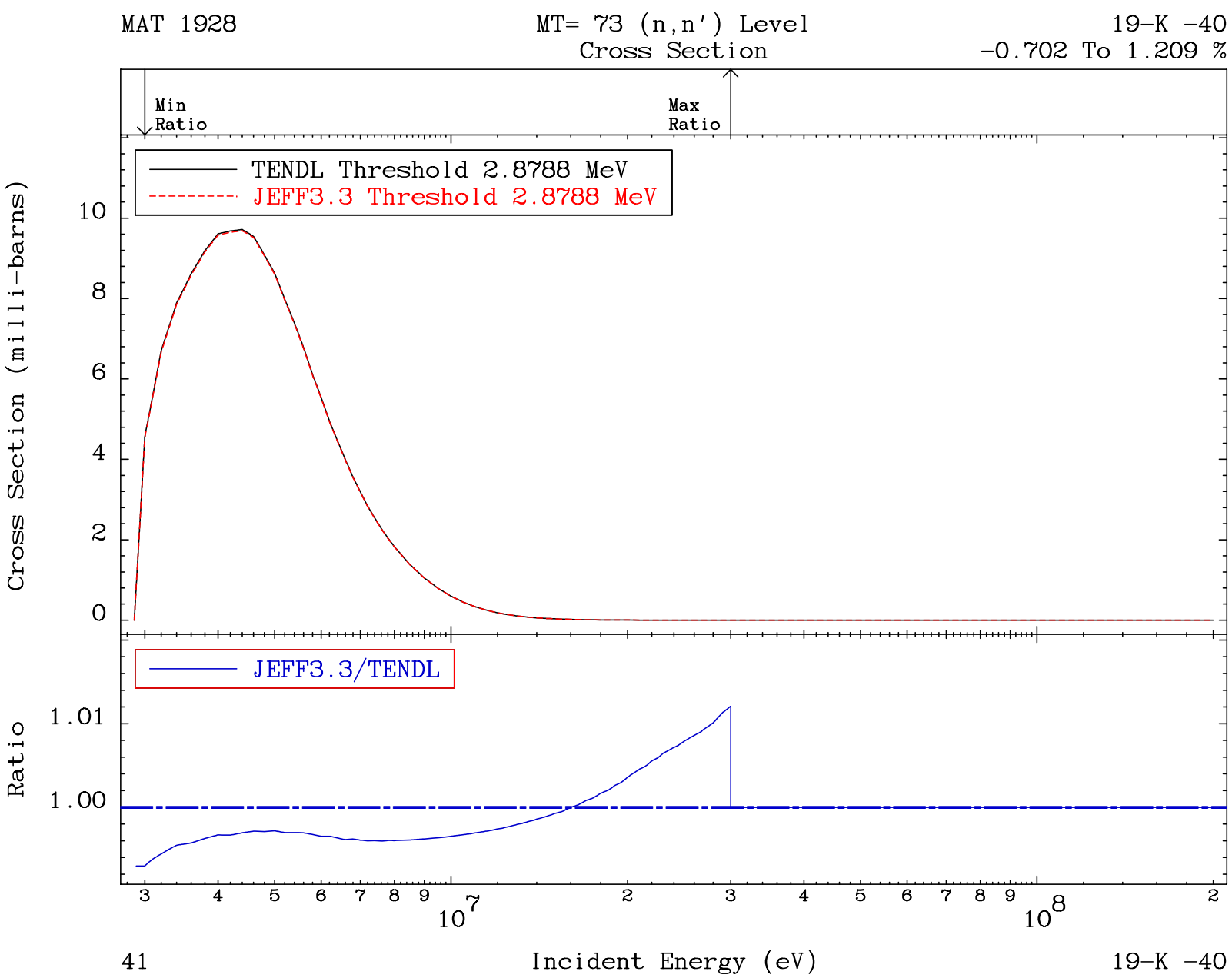

MAT 1928
MT= 68 (n,n') Level
Cross Section
19-K -40
-0.812 To 0.004 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.7993 MeV
JEFF3.3 Threshold 2.7993 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
JEFF3.3/TENDL
Ratio
0.99
1.00
1.01
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
36
Incident Energy (eV)
19-K -40

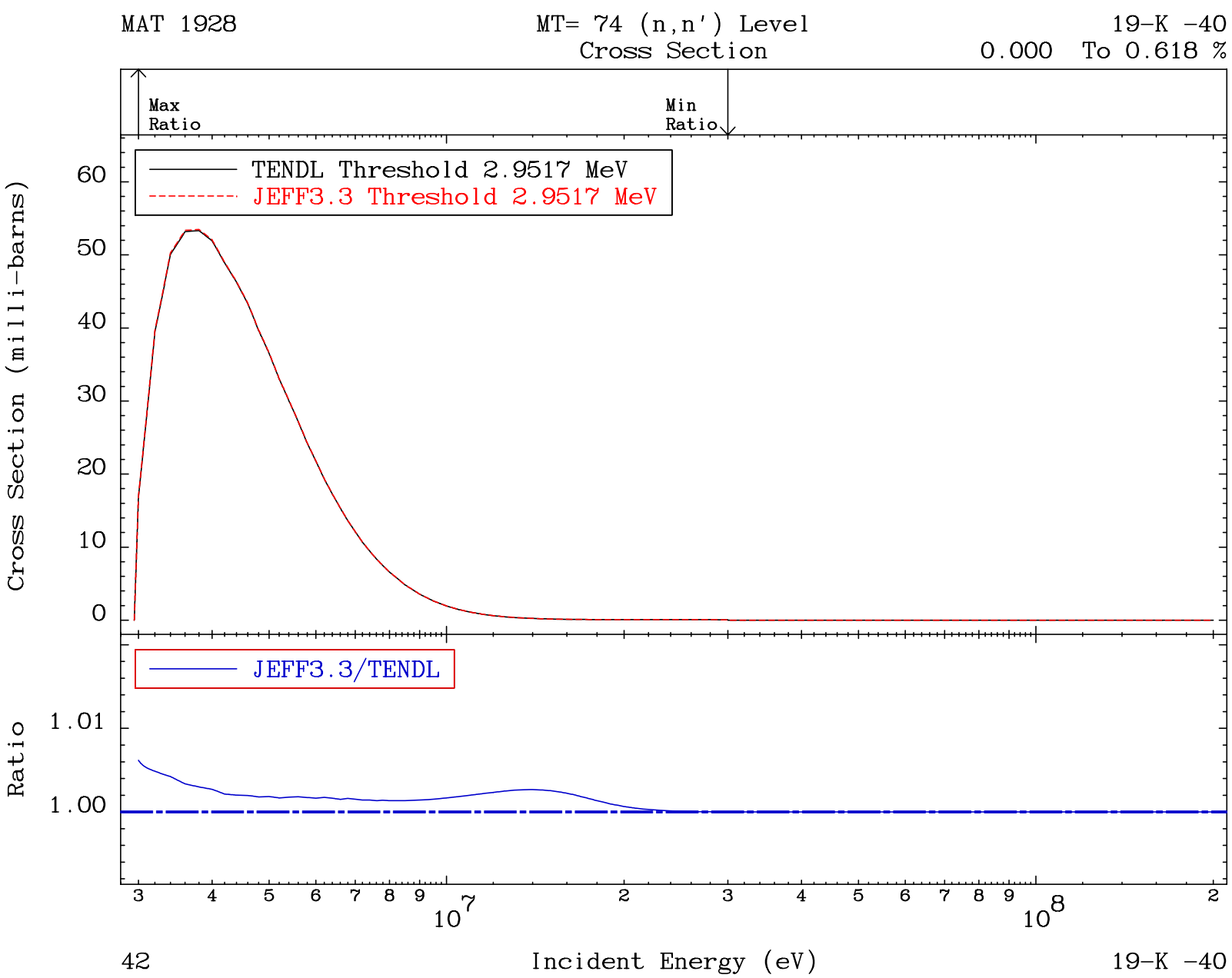

MAT 1928
MT= 69 (n,n') Level
Cross Section
19-K -40
-0.301 To 0.021 %
Min Ratio
Max Ratio
TENDL Threshold 2.8162 MeV
JEFF3.3 Threshold 2.8162 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
37
Incident Energy (eV)
19-K -40

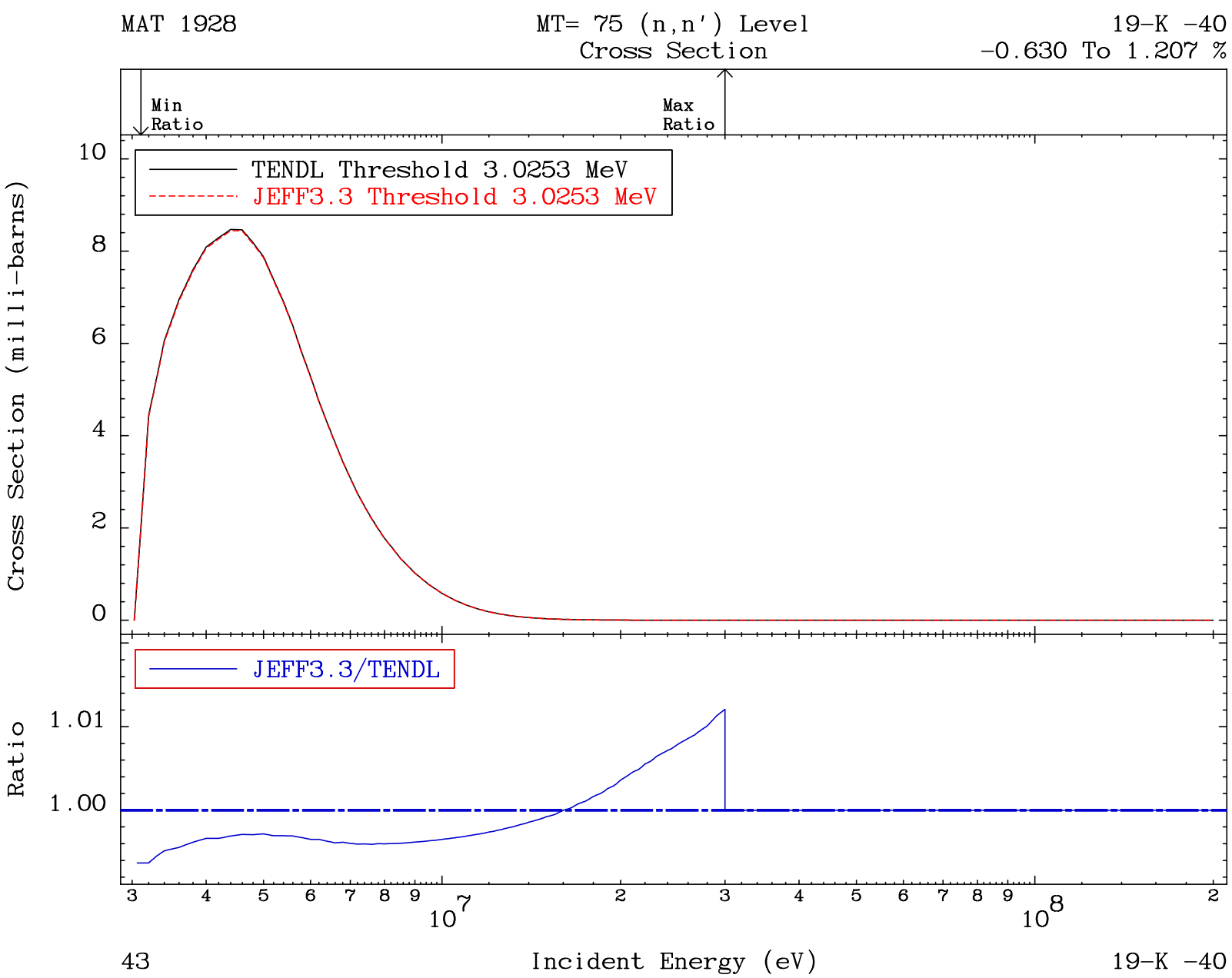

MAT 1928
MT= 70 (n,n') Level
Cross Section
19-K -40
-0.420 To 0.005 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.8263 MeV
JEFF3.3 Threshold 2.8263 MeV
Cross Section (milli-barns)
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
38
Incident Energy (eV)
19-K -40

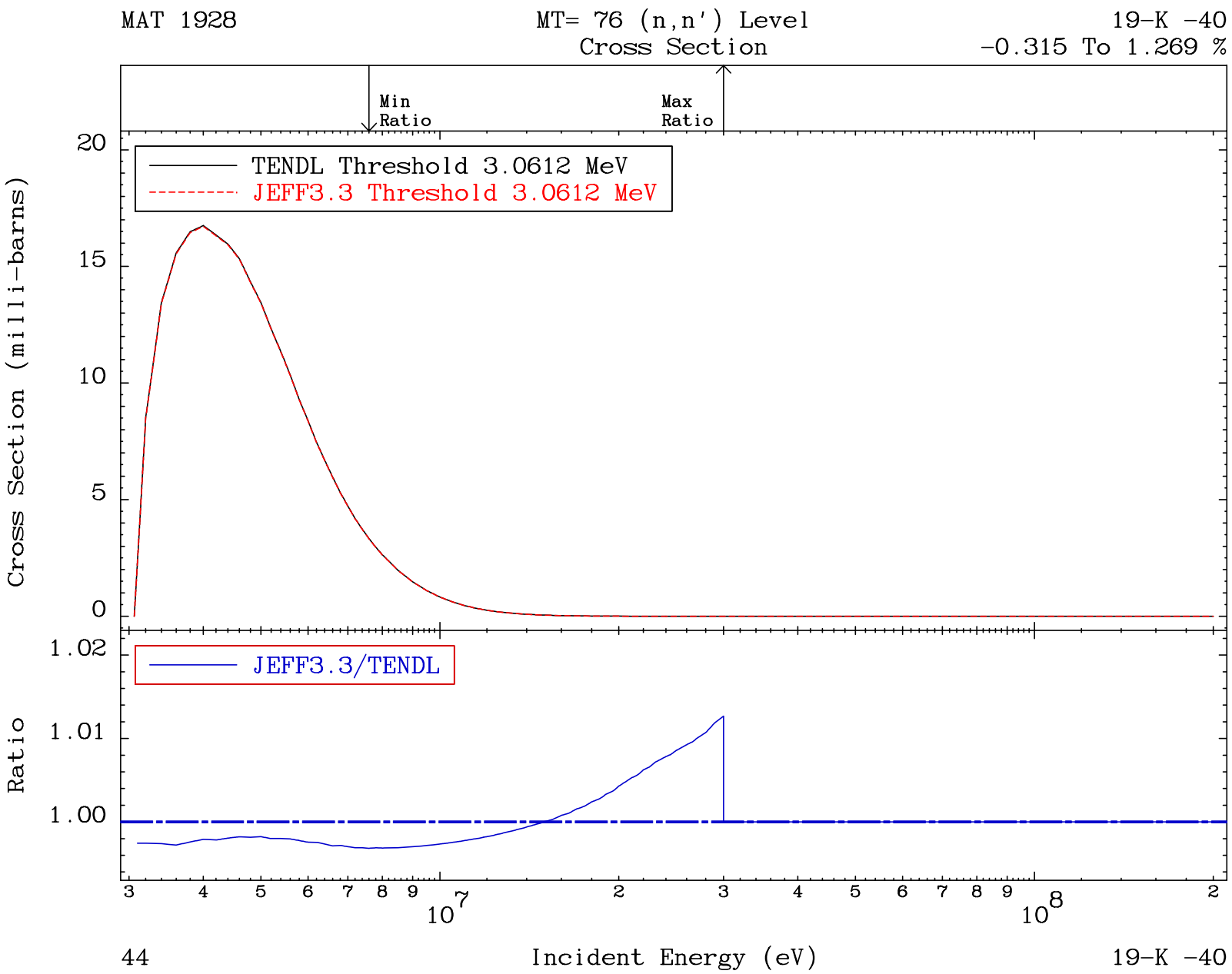

MAT 1928
MT= 71 (n,n') Level
Cross Section
19-K -40
-0.310 To 1.270 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.8570 MeV
JEFF3.3 Threshold 2.8570 MeV
Cross Section (milli-barns)
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
39
Incident Energy (eV)
19-K -40

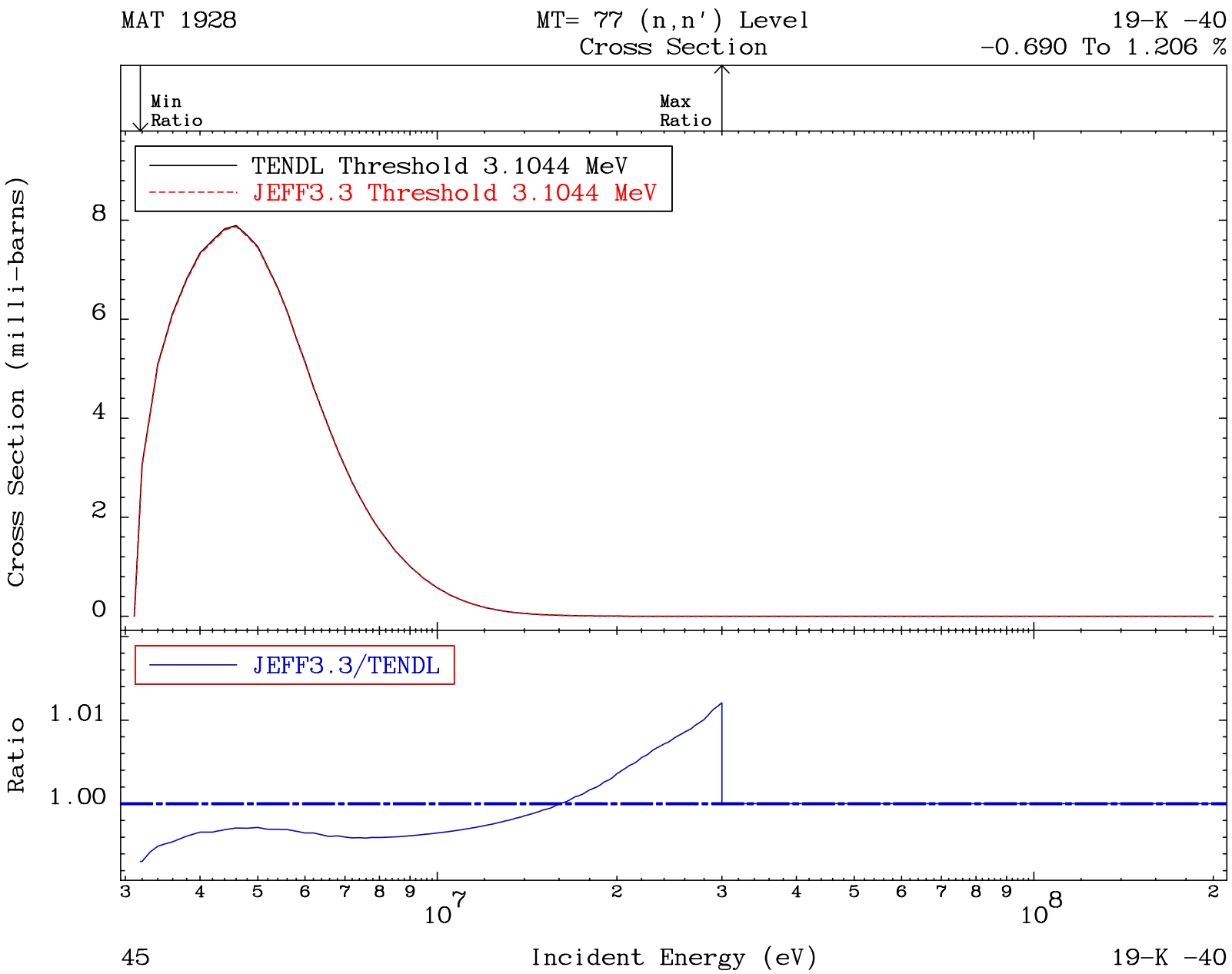

MAT 1928
MT= 72 (n,n') Level
Cross Section
19-K -40
-0.174 To 1.355 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.8683 MeV
JEFF3.3 Threshold 2.8683 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
40
Incident Energy (eV)
19-K -40

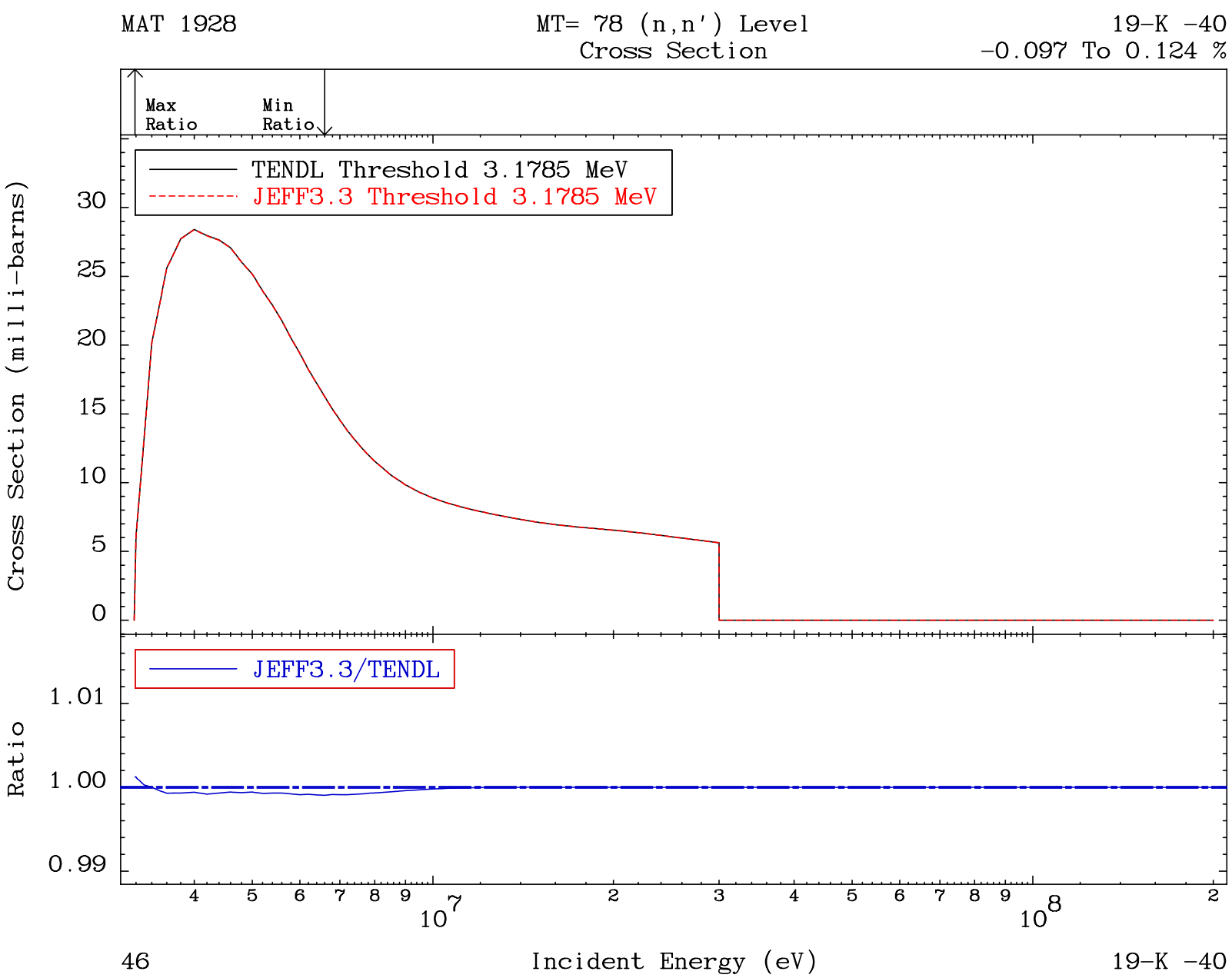

MAT 1928
MT= 73 (n,n') Level
Cross Section
19-K -40
-0.702 To 1.209 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.8788 MeV
JEFF3.3 Threshold 2.8788 MeV
Cross Section (milli-barns)
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.01
1.00
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
41
Incident Energy (eV)
19-K -40

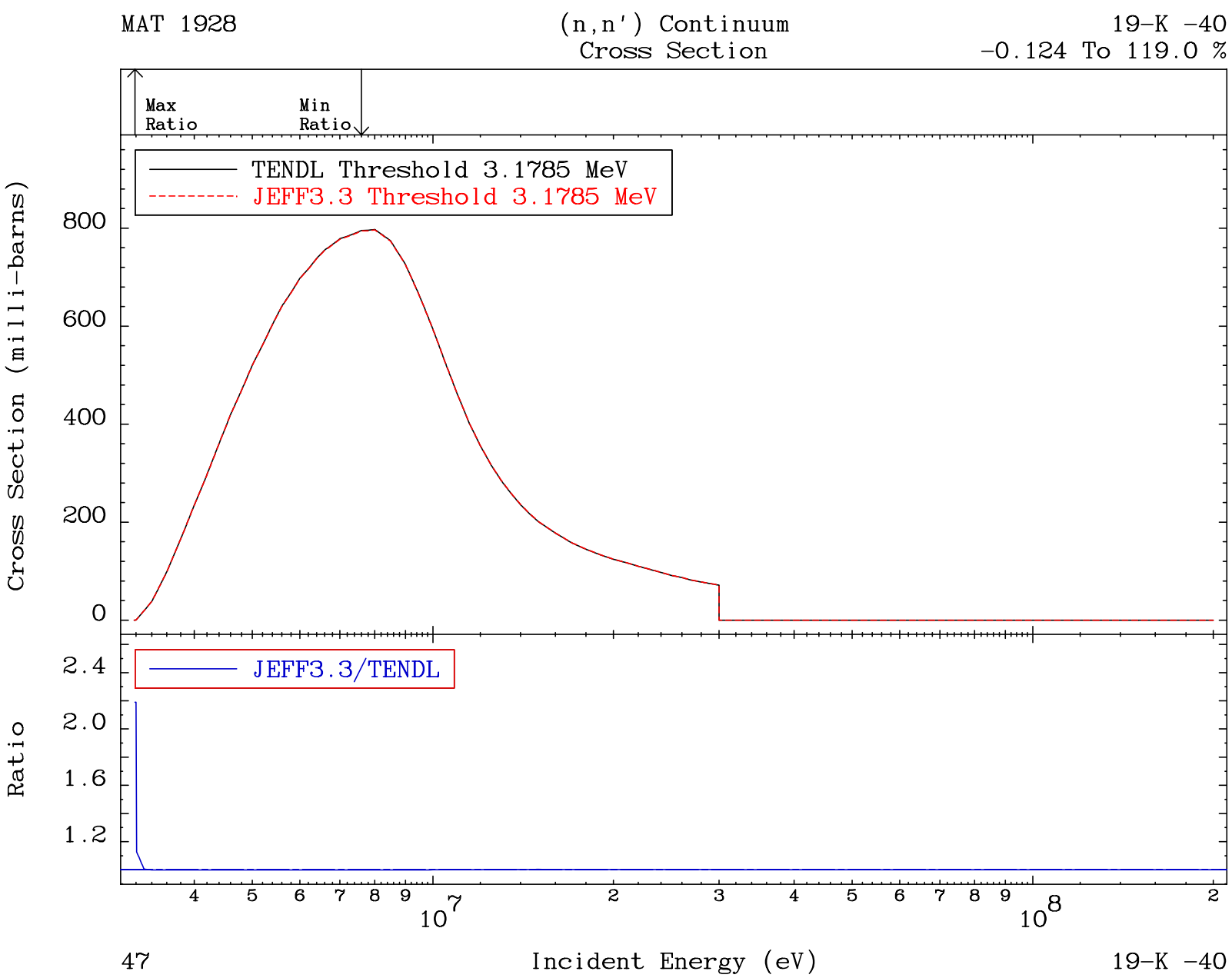

MAT 1928
MT= 74 (n,n') Level
Cross Section
19-K -40
0.000 To 0.618 %
Max Ratio
Min Ratio
TENDL Threshold 2.9517 MeV
JEFF3.3 Threshold 2.9517 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
42
Incident Energy (eV)
19-K -40

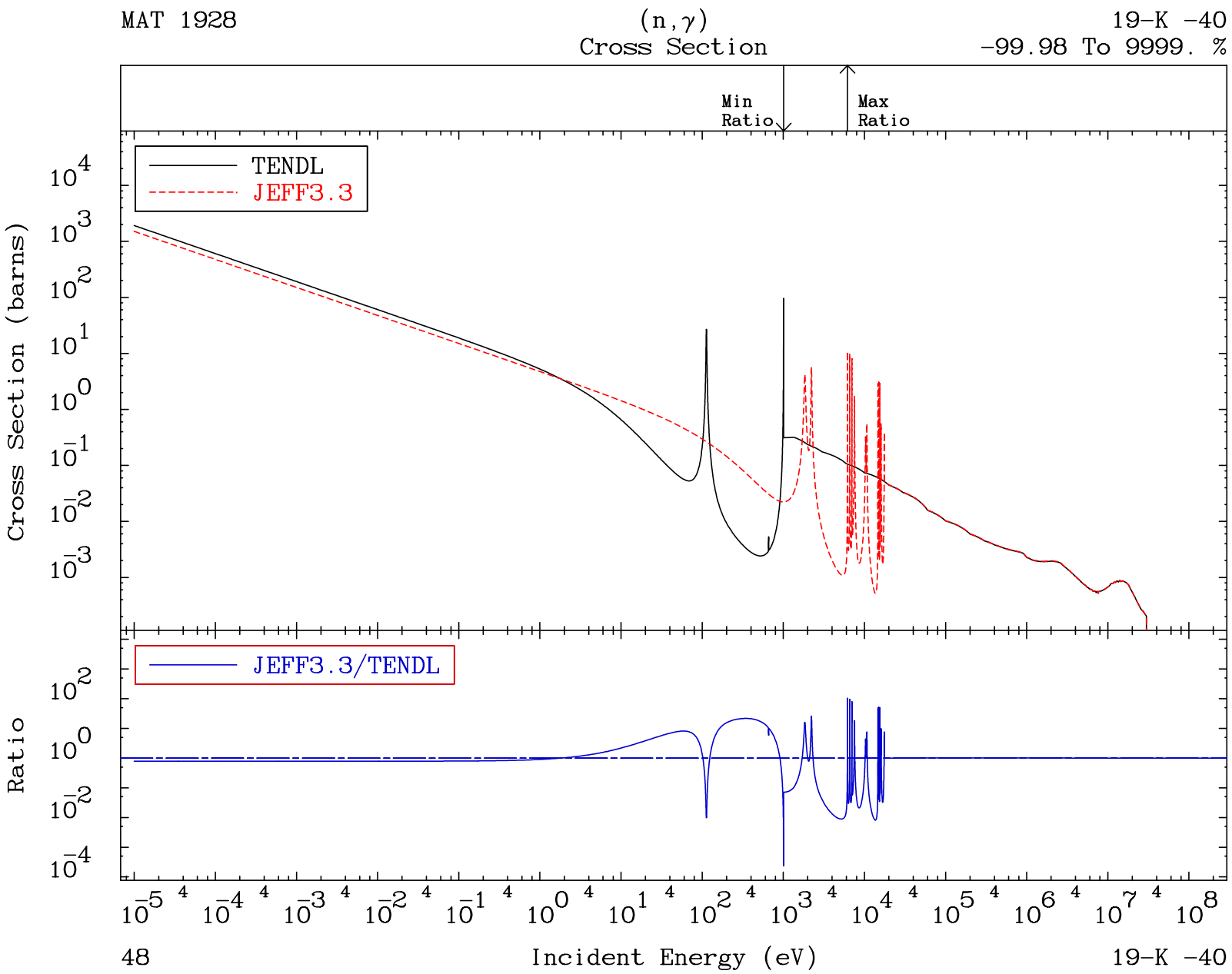

MAT 1928
MT= 75 (n,n') Level
Cross Section
19-K -40
-0.630 To 1.207 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.0253 MeV
JEFF3.3 Threshold 3.0253 MeV
Cross Section (milli-barns)
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.01
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
43
Incident Energy (eV)
19-K -40

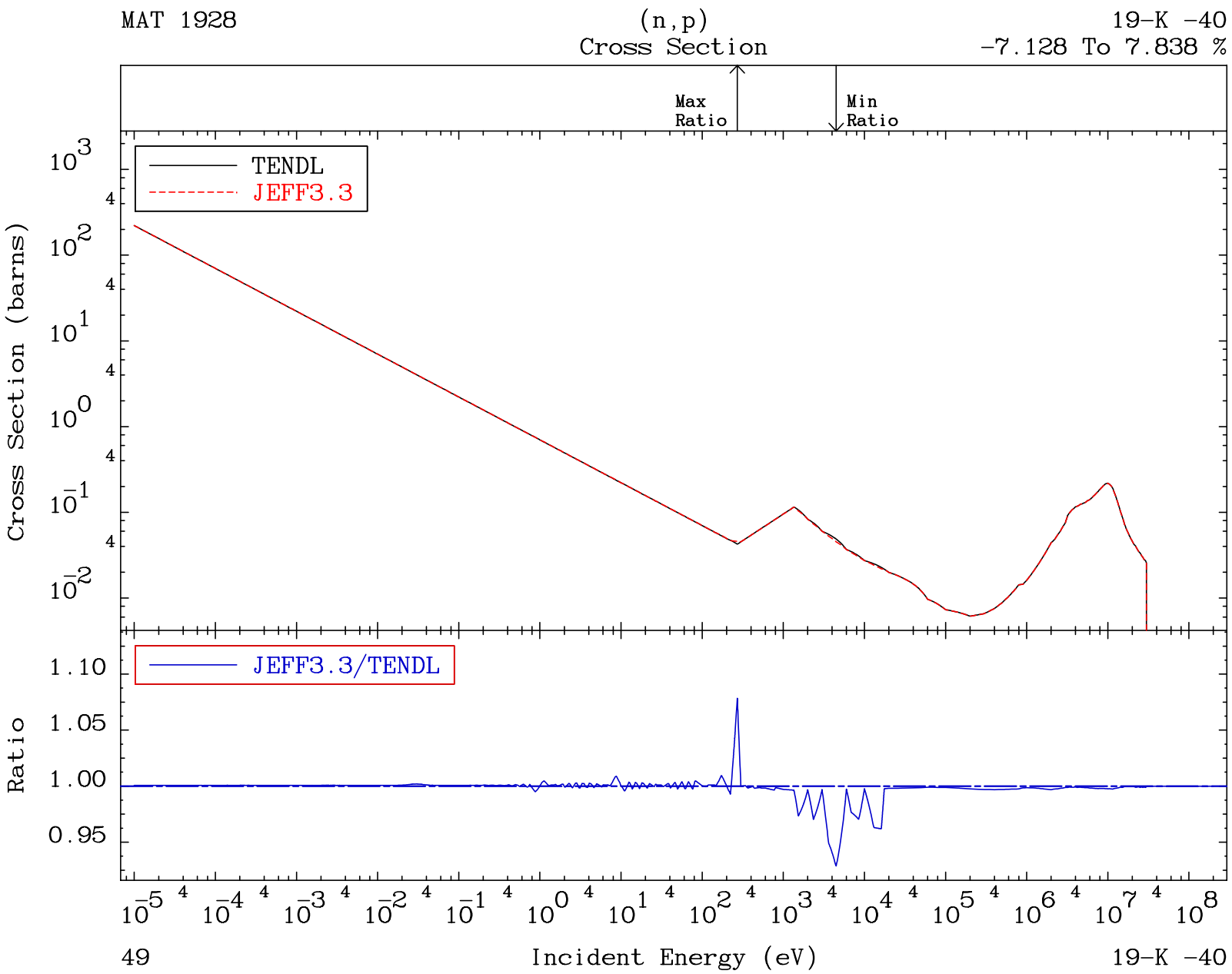

MAT 1928
MT= 76 (n,n') Level
Cross Section
19-K -40
-0.315 To 1.269 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.0612 MeV
JEFF3.3 Threshold 3.0612 MeV
Cross Section (milli-barns)
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
44
Incident Energy (eV)
19-K -40

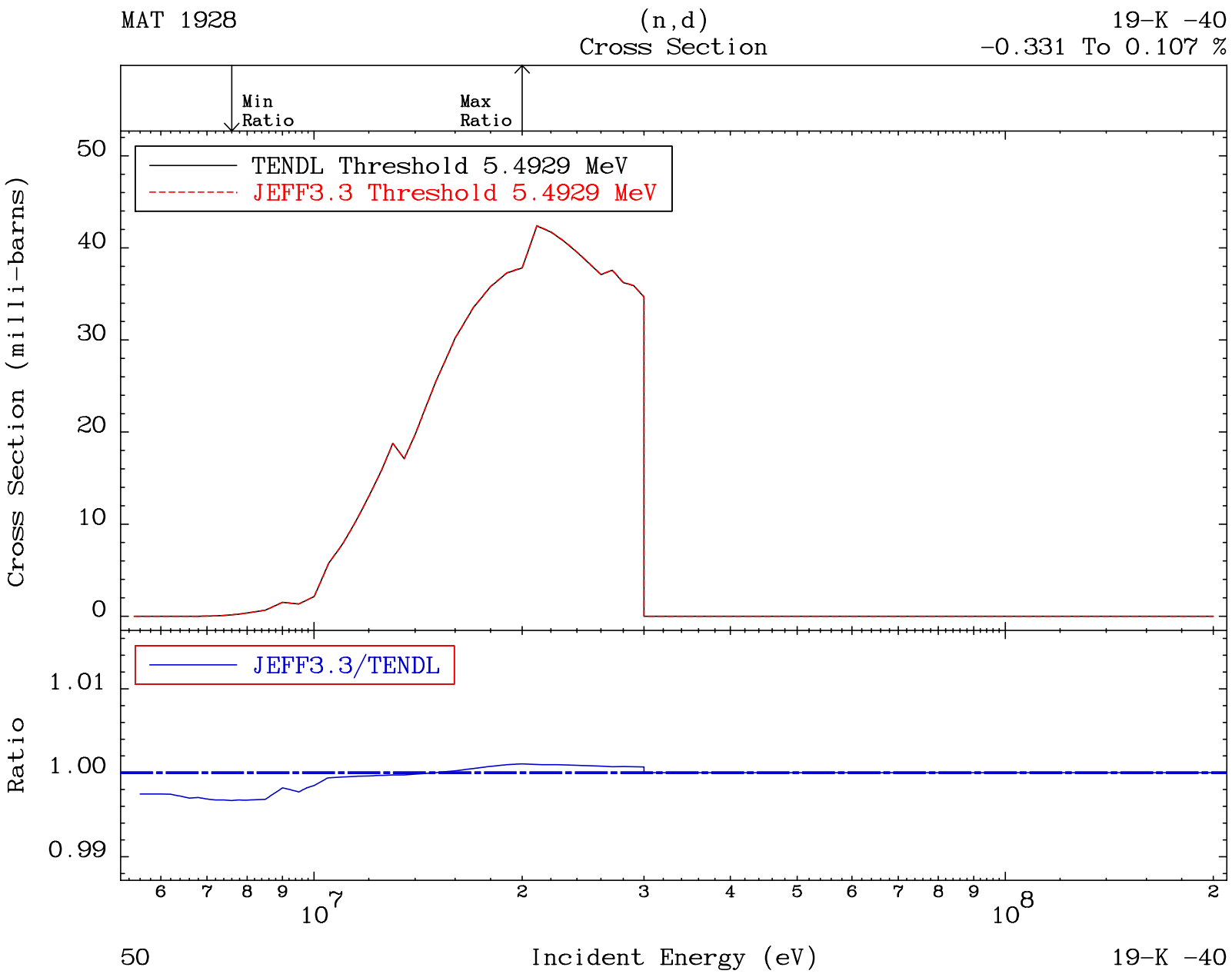

MAT 1928
MT= 77 (n,n') Level
Cross Section
19-K -40
-0.690 To 1.206 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.1044 MeV
JEFF3.3 Threshold 3.1044 MeV
Cross Section (milli-barns)
0
2
4
6
8
JEFF3.3/TENDL
Ratio
1.00
1.01
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
45
19-K -40

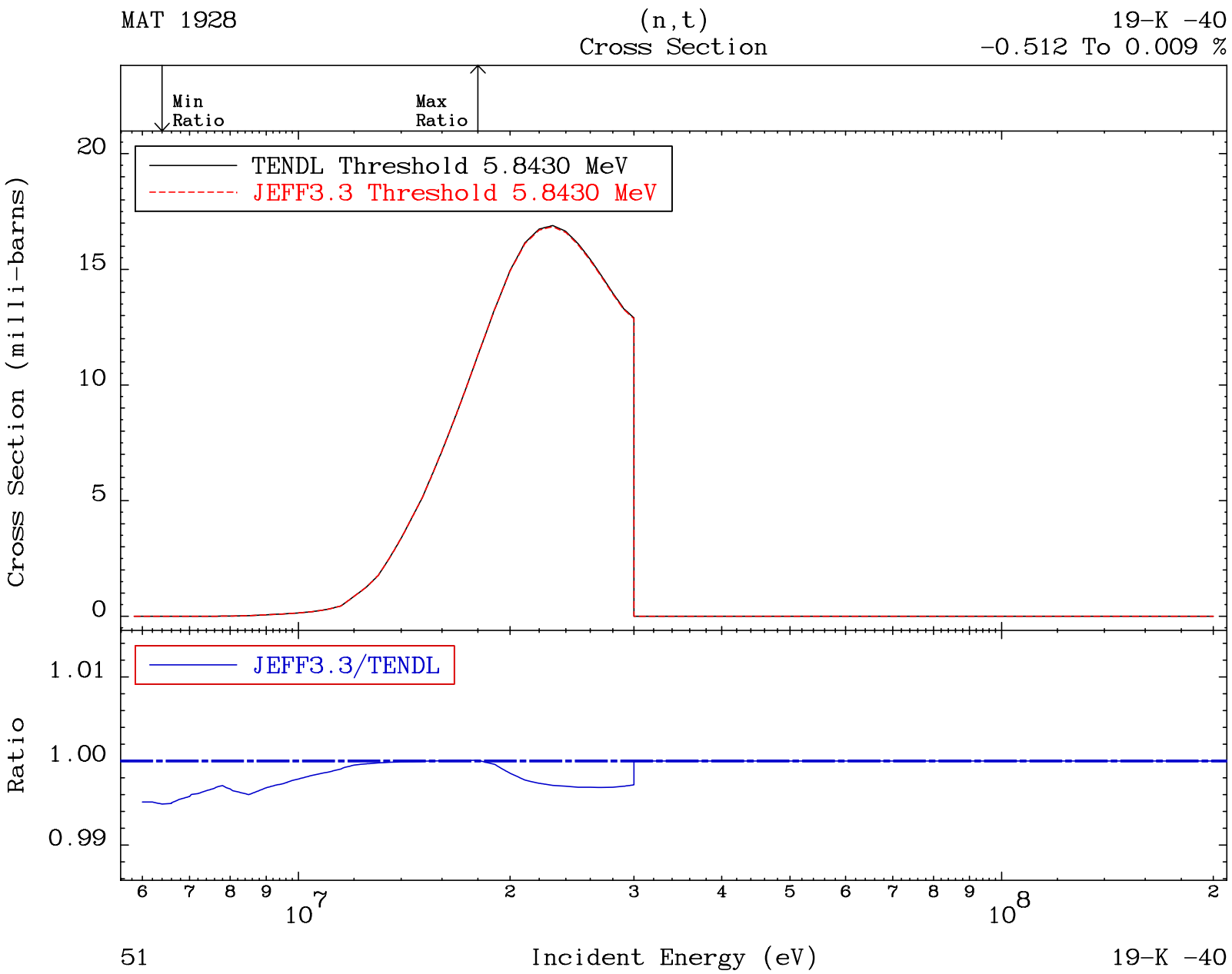

MAT 1928
MT= 78 (n,n') Level
Cross Section
19-K -40
-0.097 To 0.124 %
Max Ratio
Min Ratio
TENDL Threshold 3.1785 MeV
JEFF3.3 Threshold 3.1785 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
46
Incident Energy (eV)
19-K -40

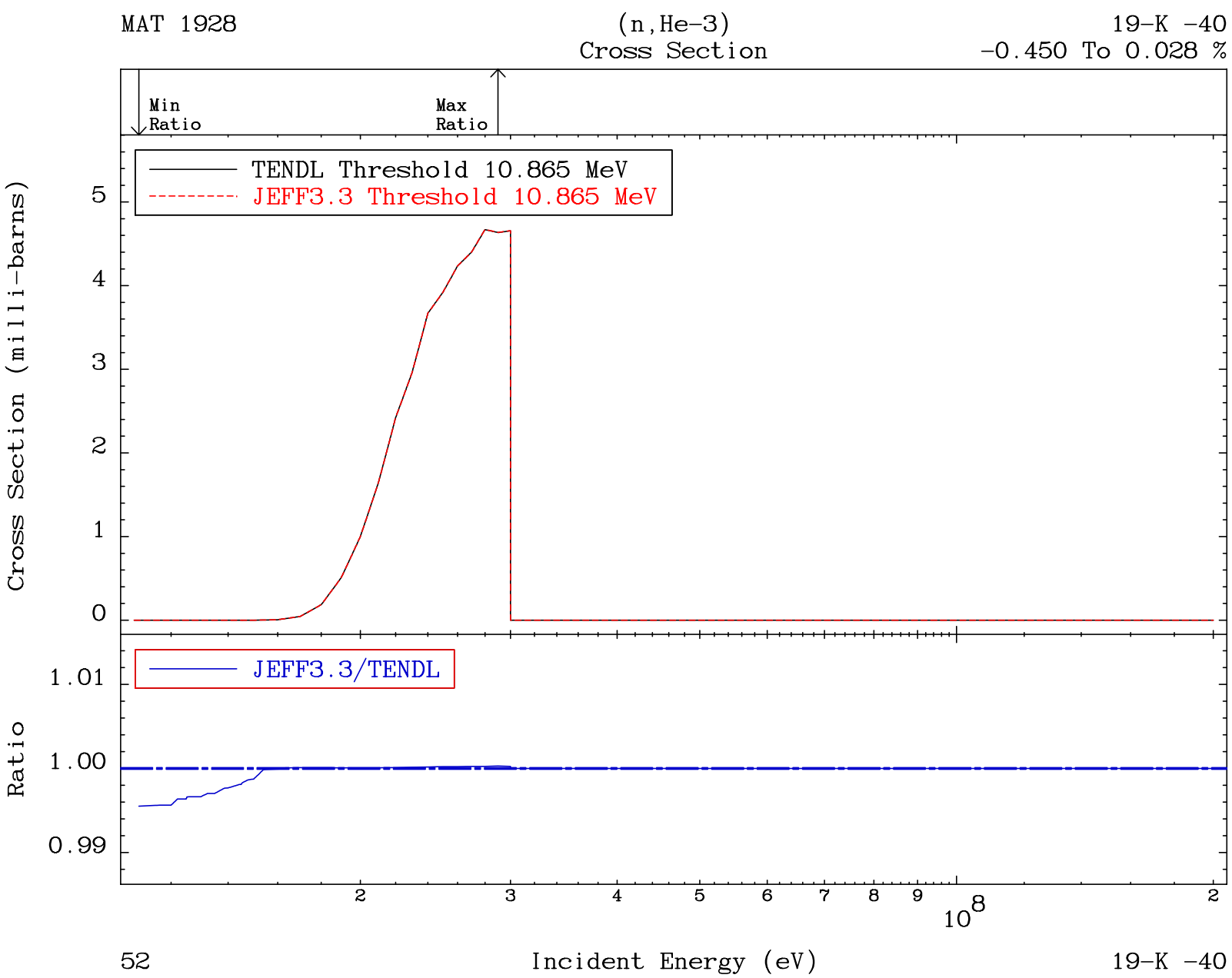

MAT 1928
(n,n') Continuum
Cross Section
19-K -40
-0.124 To 119.0 %
Max Ratio
Min Ratio
TENDL Threshold 3.1785 MeV
JEFF3.3 Threshold 3.1785 MeV
Cross Section (milli-barns)
800
600
400
200
0
JEFF3.3/TENDL
Ratio
2.4
2.0
1.6
1.2
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
47
Incident Energy (eV)
19-K -40

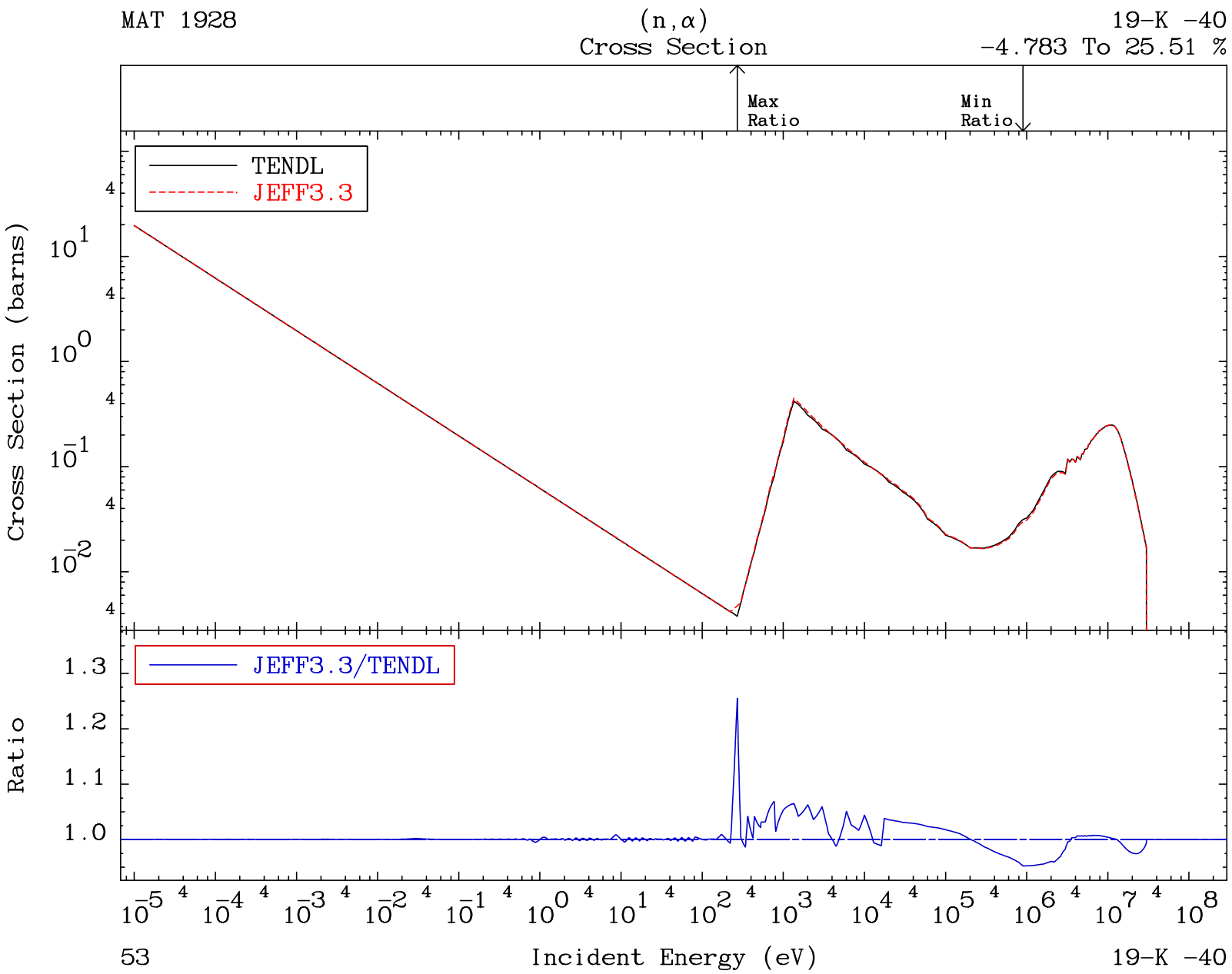

MAT 1928
(n,γ)
Cross Section
19-K -40
-99.98 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
48
19-K -40

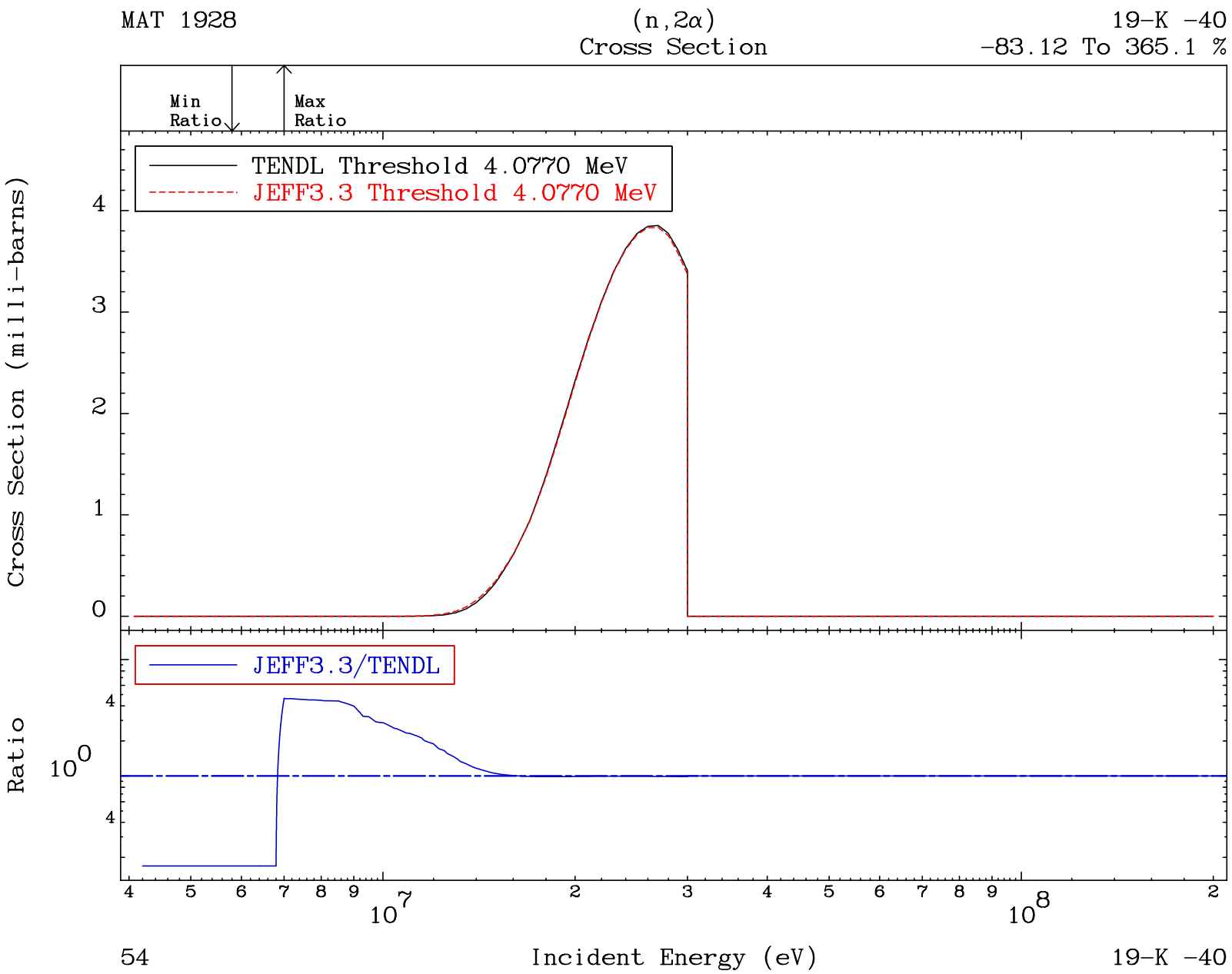

MAT 1928
(n,p)
Cross Section
19-K -40
-7.128 To 7.838 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
49
19-K -40

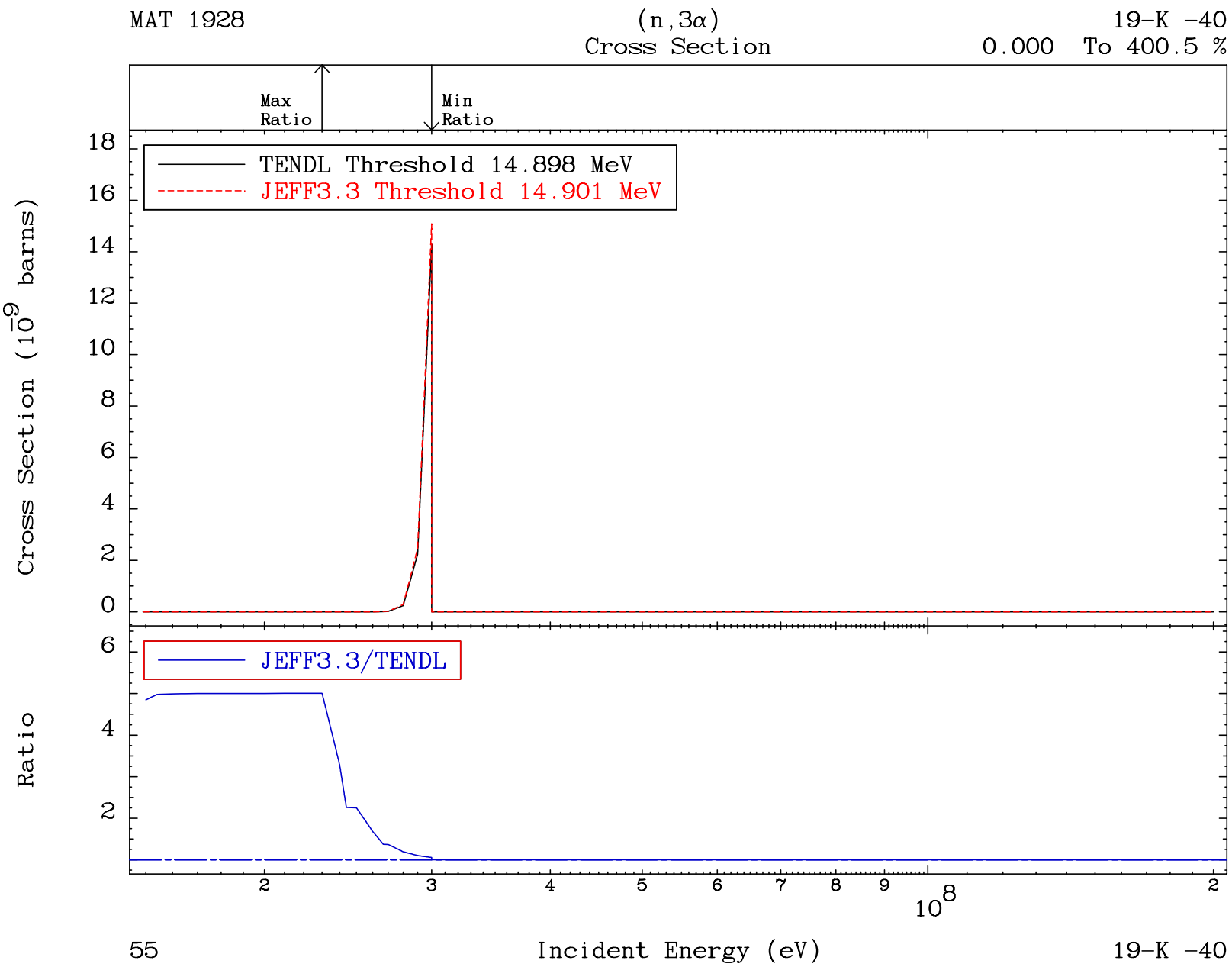

MAT 1928
(n,d)
Cross Section
19-K -40
-0.331 To 0.107 %
Min Ratio
Max Ratio
TENDL Threshold 5.4929 MeV
JEFF3.3 Threshold 5.4929 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
50
Incident Energy (eV)
19-K -40

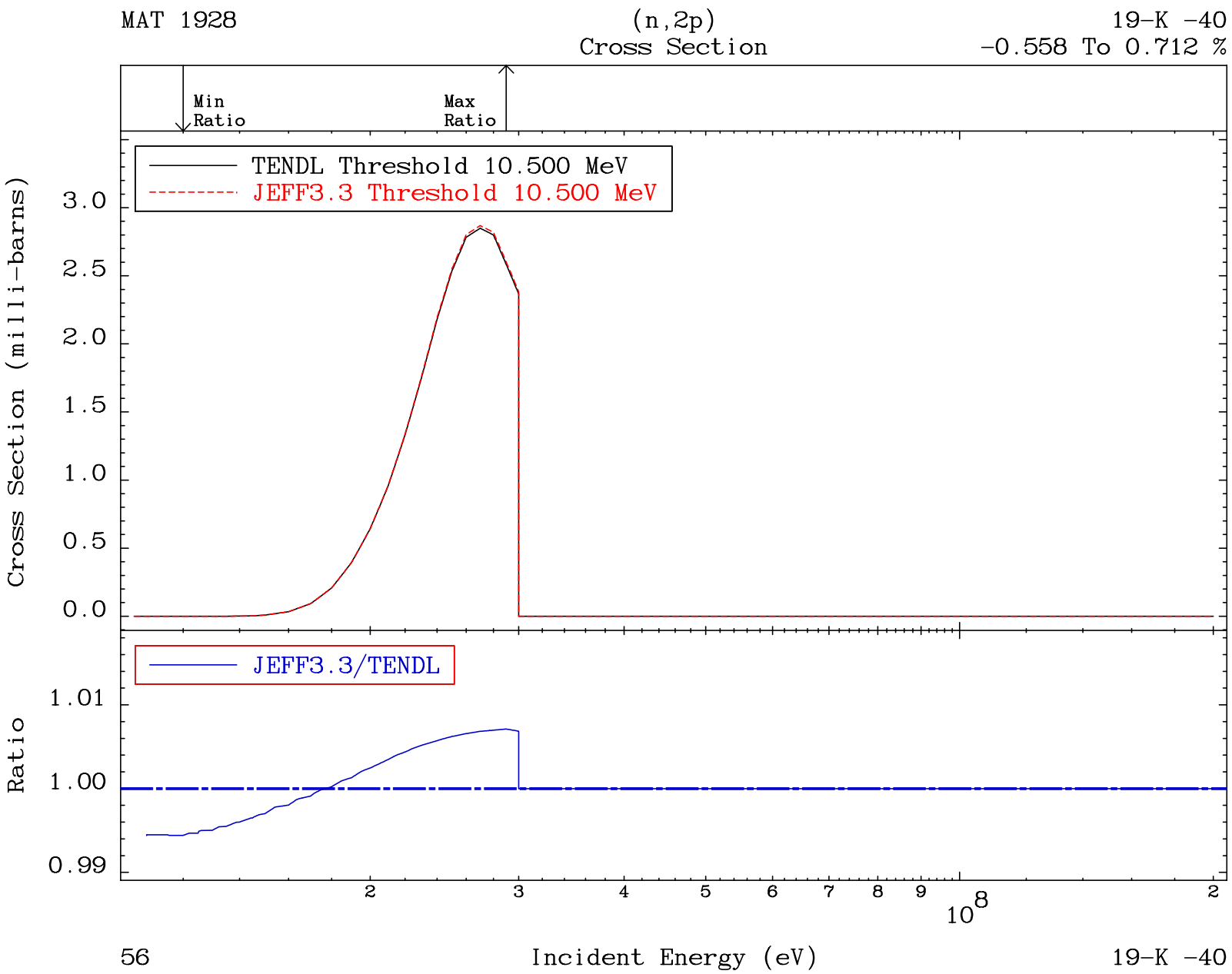

MAT 1928
(n,t)
Cross Section
19-K -40
-0.512 To 0.009 %
Min Ratio
Max Ratio
TENDL Threshold 5.8430 MeV
JEFF3.3 Threshold 5.8430 MeV
Cross Section (milli-barns)
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
51
Incident Energy (eV)
19-K -40

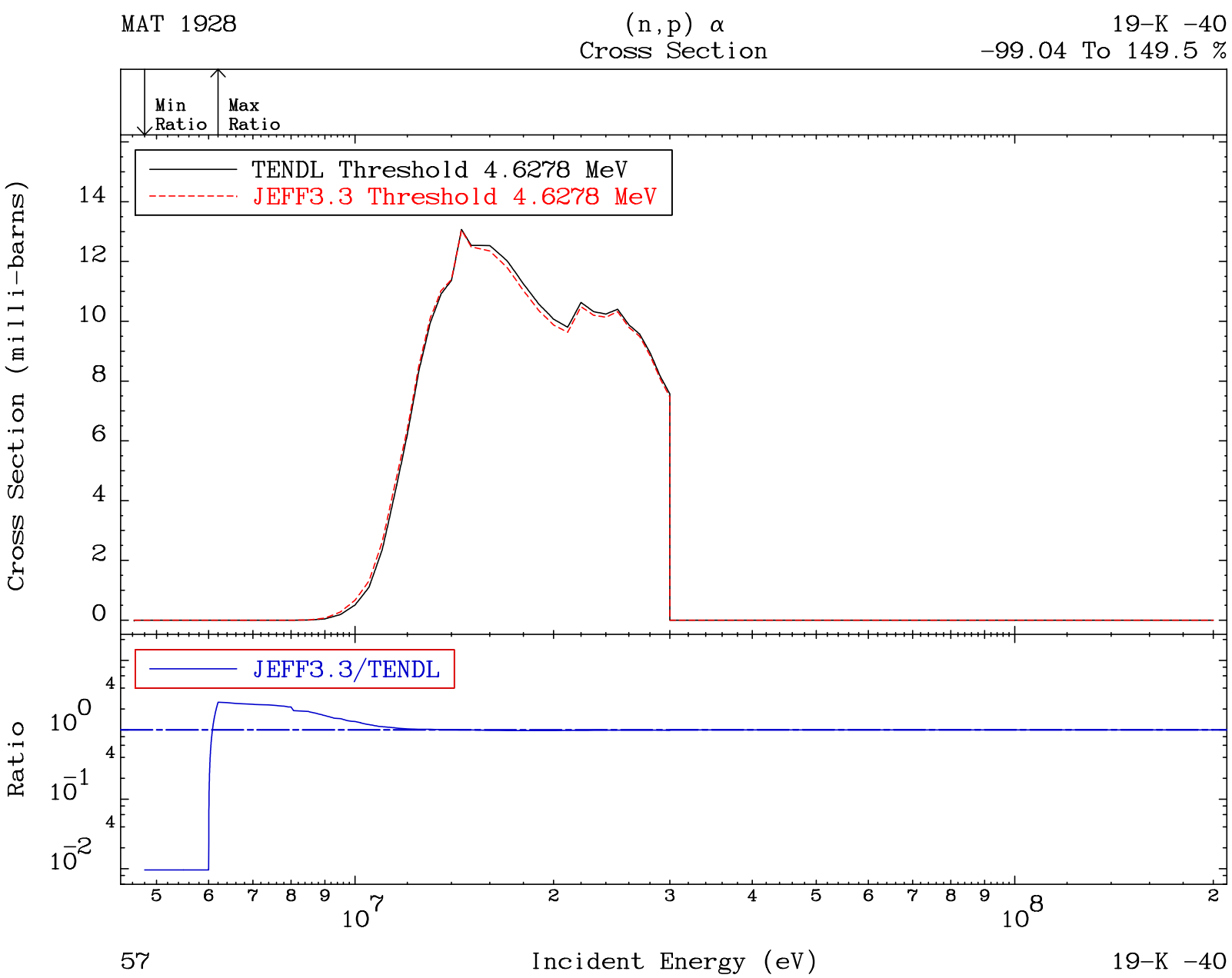

MAT 1928
(n,He-3)
Cross Section
19-K -40
-0.450 To 0.028 %
Min Ratio
Max Ratio
TENDL Threshold 10.865 MeV
JEFF3.3 Threshold 10.865 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
JEFF3.3/TENDL
Ratio
0.99
1.00
1.01
2
3
4
5
6
7
8
9
10^8
2
52
Incident Energy (eV)
19-K -40

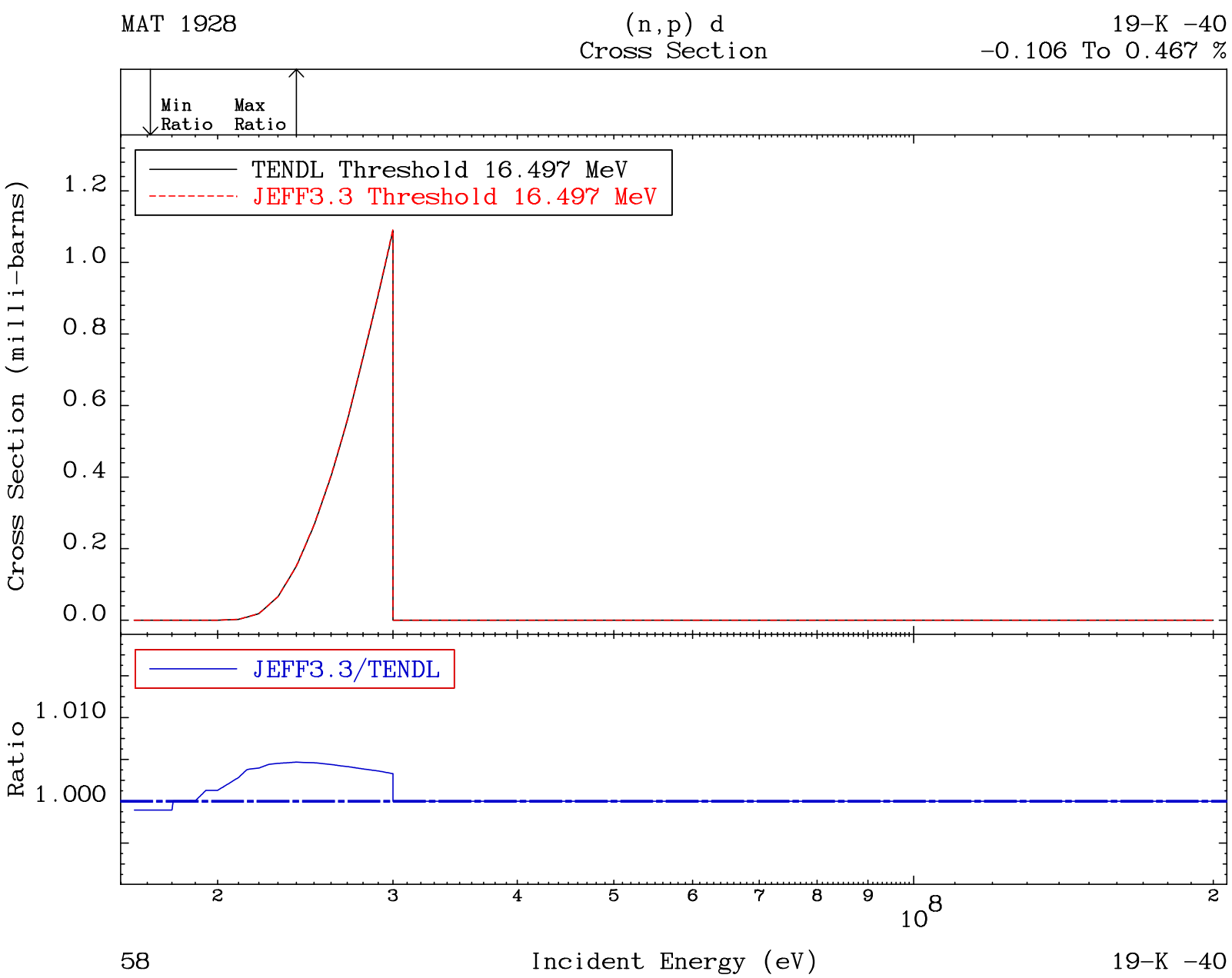

MAT 1928
(n,α)
Cross Section
19-K -40
-4.783 To 25.51 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
53
19-K -40

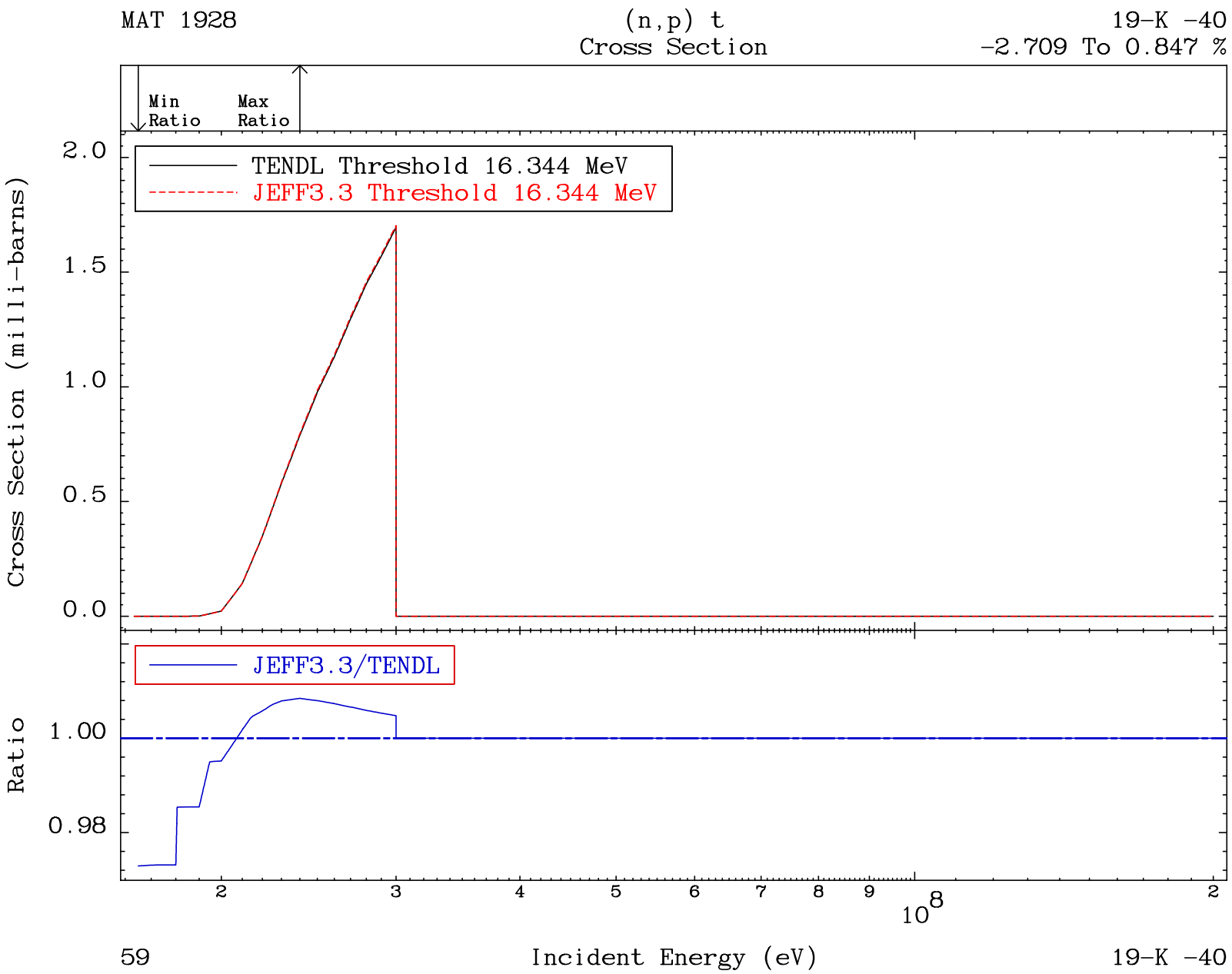

MAT 1928
(n,2α)
Cross Section
19-K -40
-83.12 To 365.1 %
Min Ratio
Max Ratio
TENDL Threshold 4.0770 MeV
JEFF3.3 Threshold 4.0770 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
54
19-K -40

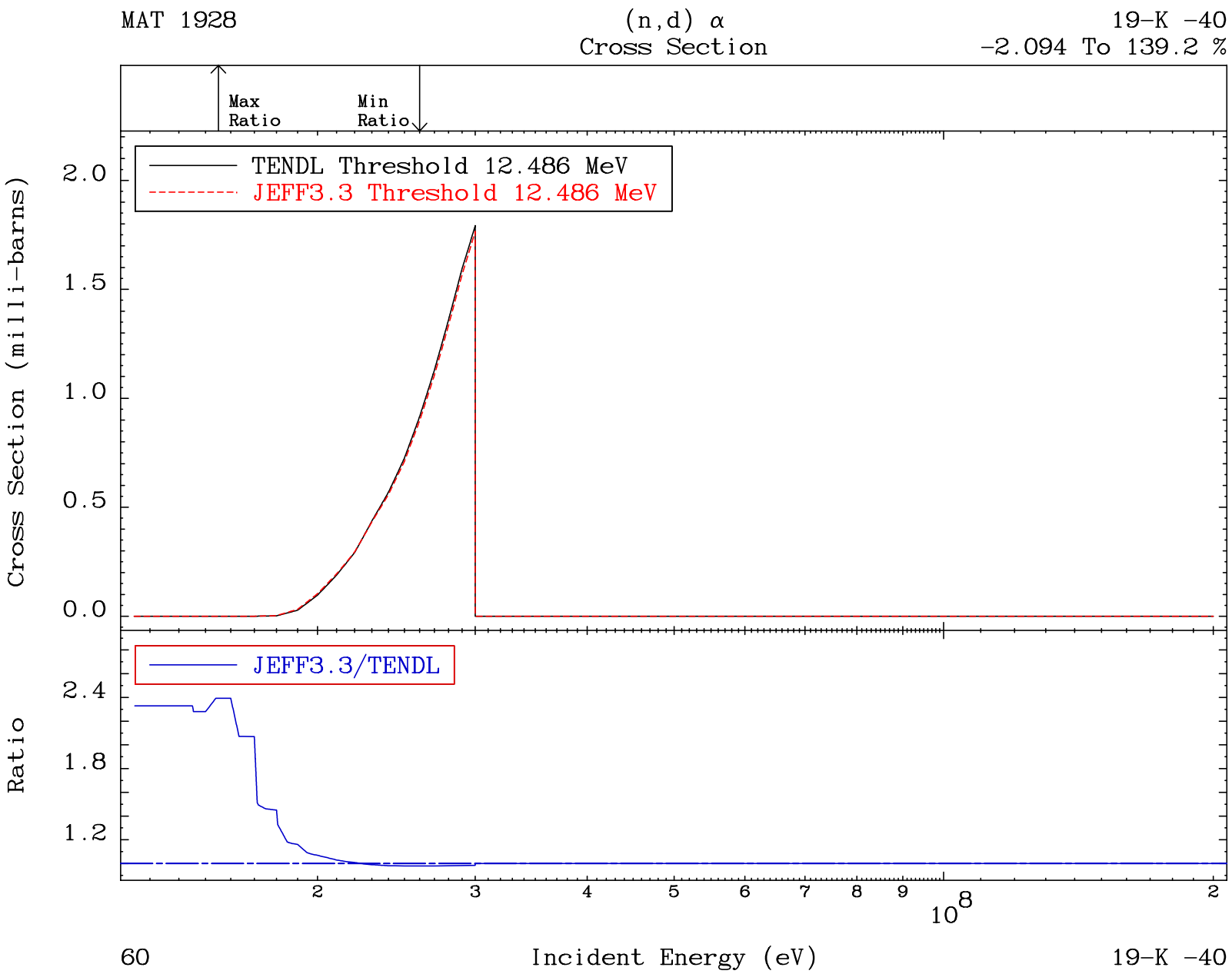

MAT 1928
(n,3α)
Cross Section
19-K -40
0.000 To 400.5 %
Max Ratio
Min Ratio
TENDL Threshold 14.898 MeV
JEFF3.3 Threshold 14.901 MeV
Cross Section (10^-9 barns)
JEFF3.3/TENDL
Ratio
10^8
55
Incident Energy (eV)
19-K -40

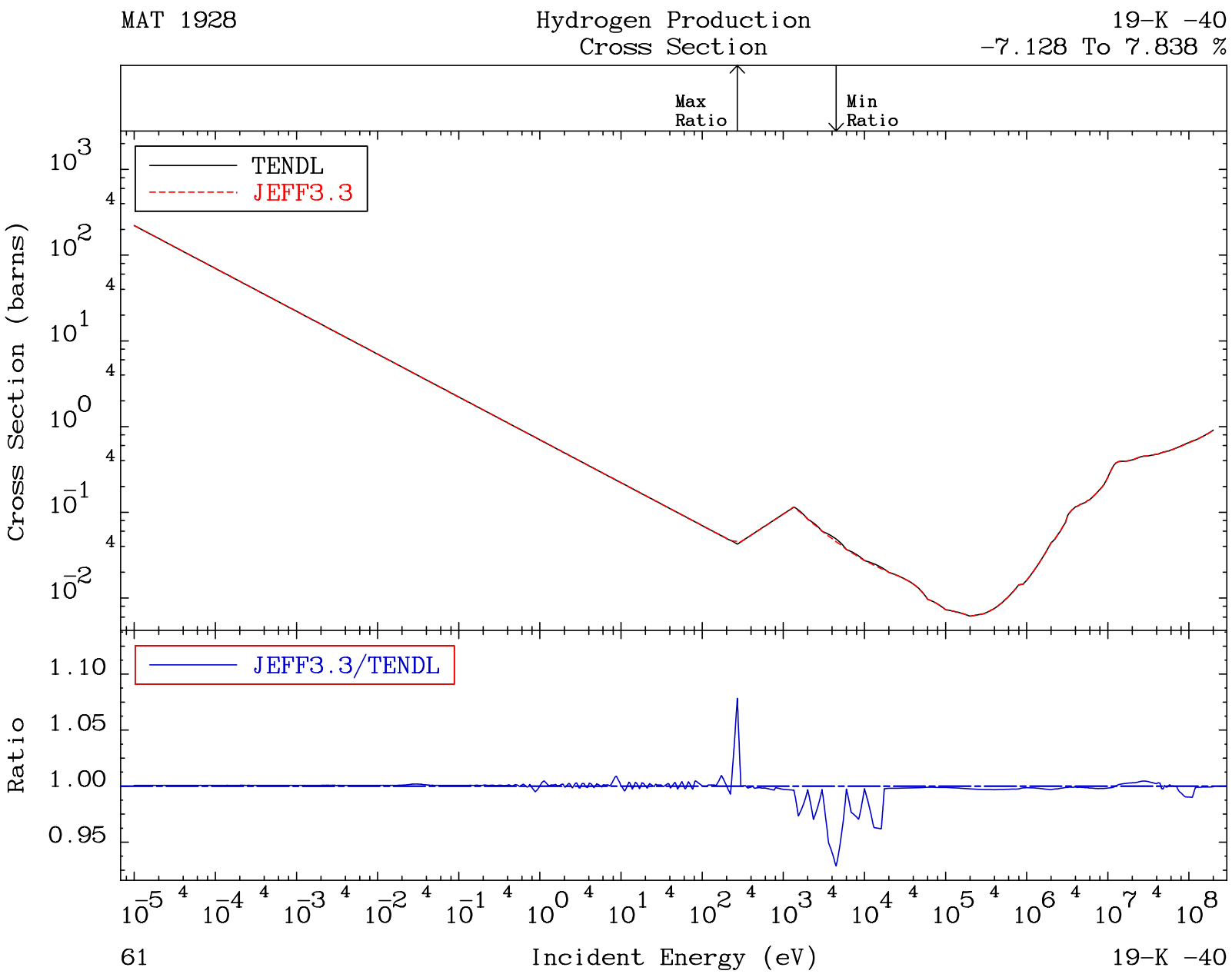

MAT 1928
(n,2p)
Cross Section
19-K -40
-0.558 To 0.712 %
Min Ratio
Max Ratio
TENDL Threshold 10.500 MeV
JEFF3.3 Threshold 10.500 MeV
Cross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
56
Incident Energy (eV)
19-K -40

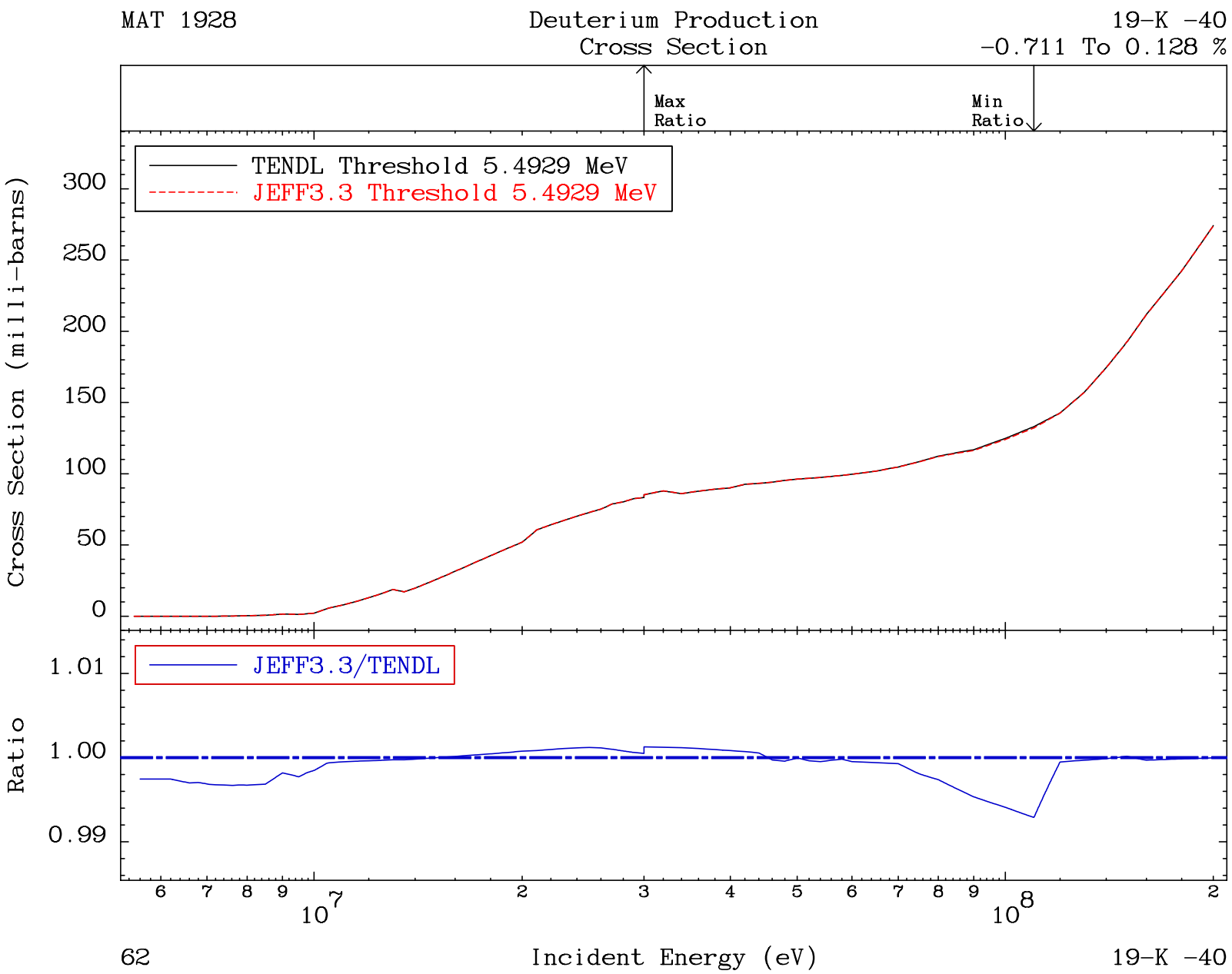

MAT 1928
(n,p) α
Cross Section
19-K -40
-99.04 To 149.5 %
Min Ratio
Max Ratio
TENDL Threshold 4.6278 MeV
JEFF3.3 Threshold 4.6278 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
57
19-K -40

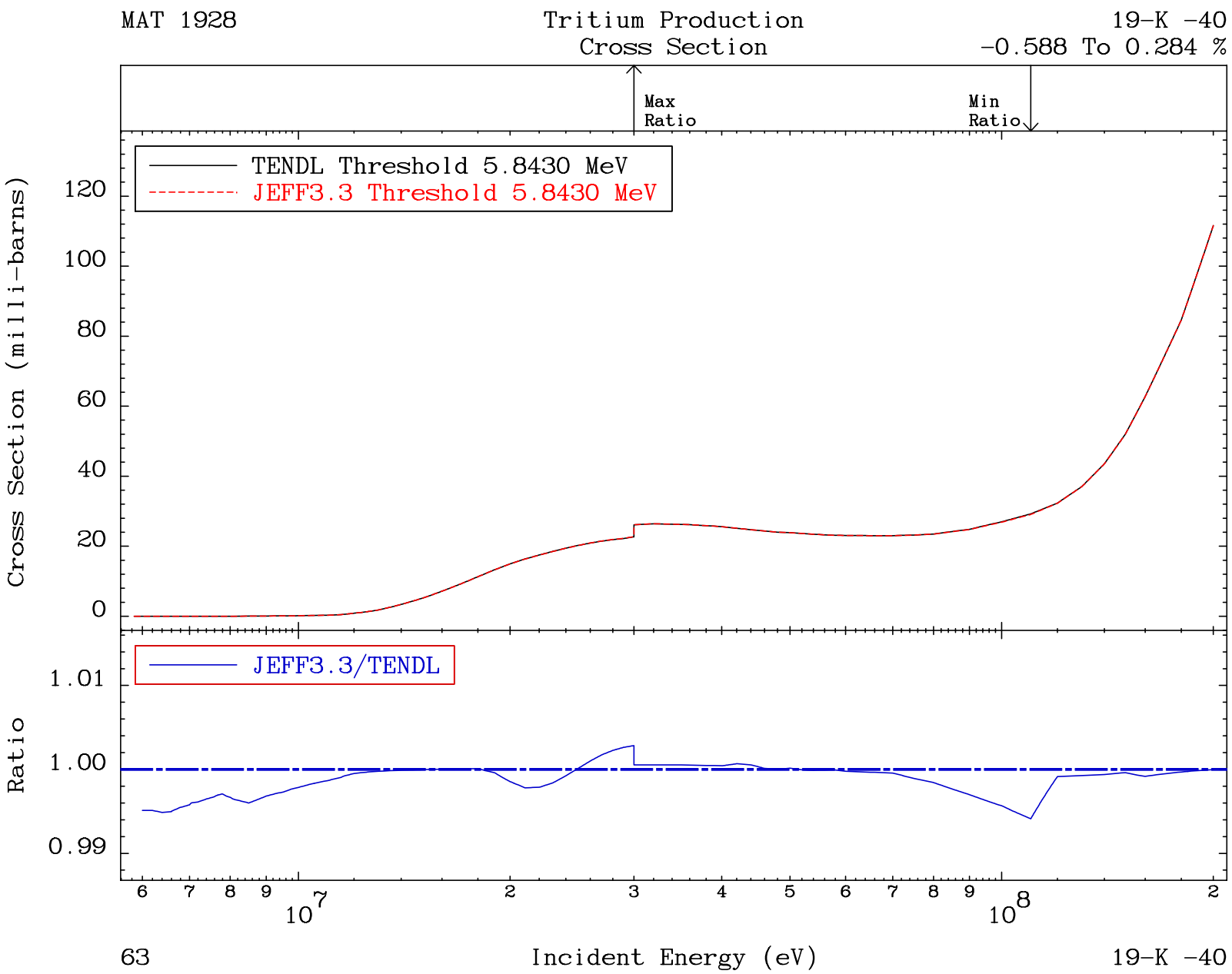

MAT 1928
(n,p) d
Cross Section
19-K -40
-0.106 To 0.467 %
Min Ratio
Max Ratio
TENDL Threshold 16.497 MeV
JEFF3.3 Threshold 16.497 MeV
Cross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.010
1.000
2
3
4
5
6
7
8
9
10^8
2
58
Incident Energy (eV)
19-K -40

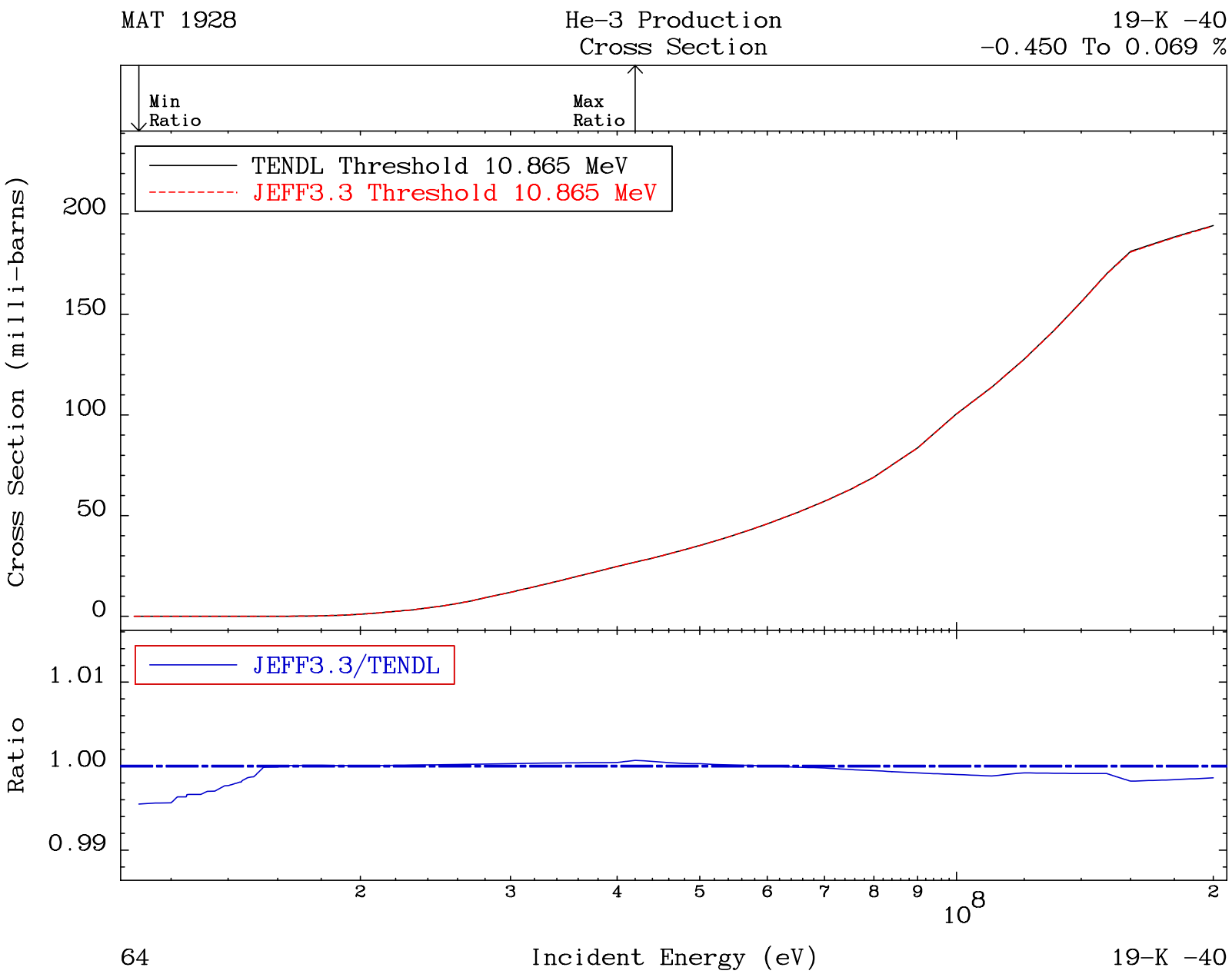

MAT 1928
(n,p) t
Cross Section
19-K -40
-2.709 To 0.847 %
Min Ratio
Max Ratio
TENDL Threshold 16.344 MeV
JEFF3.3 Threshold 16.344 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.00
0.98
2
3
4
5
6
7
8
9
10^8
2
59
Incident Energy (eV)
19-K -40

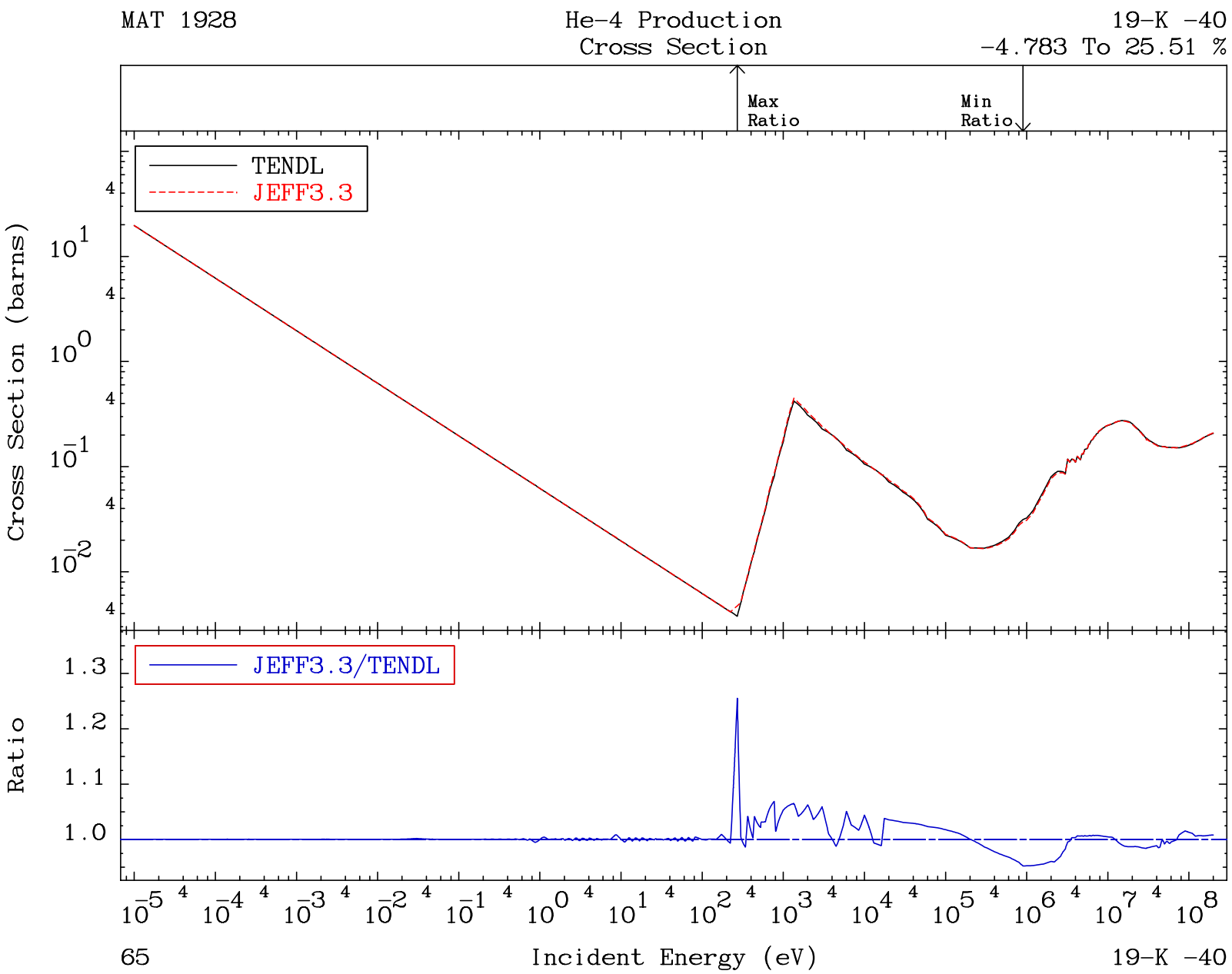

MAT 1928
(n,d) α
Cross Section
19-K -40
-2.094 To 139.2 %
Max Ratio
Min Ratio
TENDL Threshold 12.486 MeV
JEFF3.3 Threshold 12.486 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
2.4
1.8
1.2
2
3
4
5
6
7
8
9
10^8
2
60
Incident Energy (eV)
19-K -40

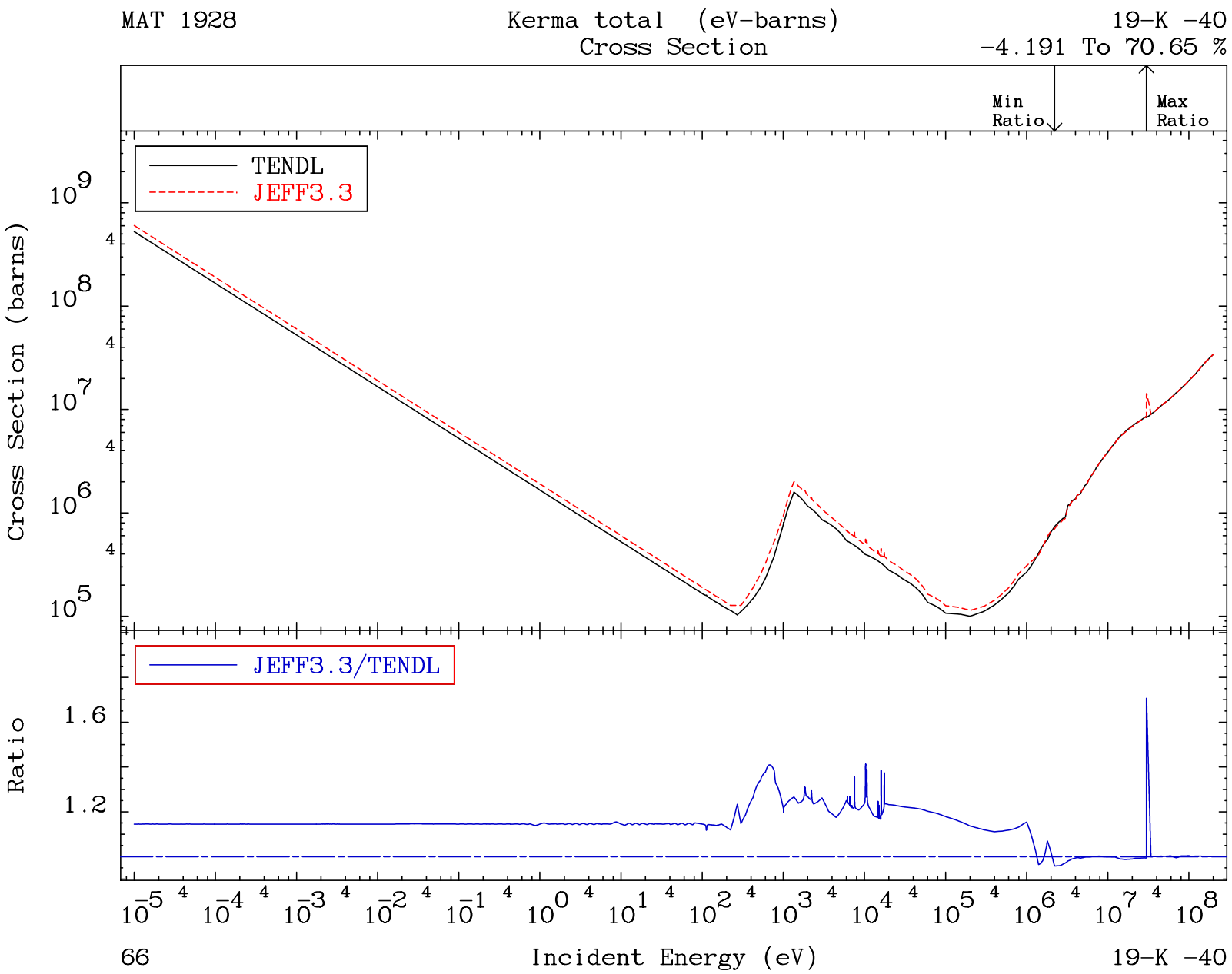

MAT 1928
Hydrogen Production
Cross Section
19-K -40
-7.128 To 7.838 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
1.10
1.05
1.00
0.95
Incident Energy (eV)
61
19-K -40

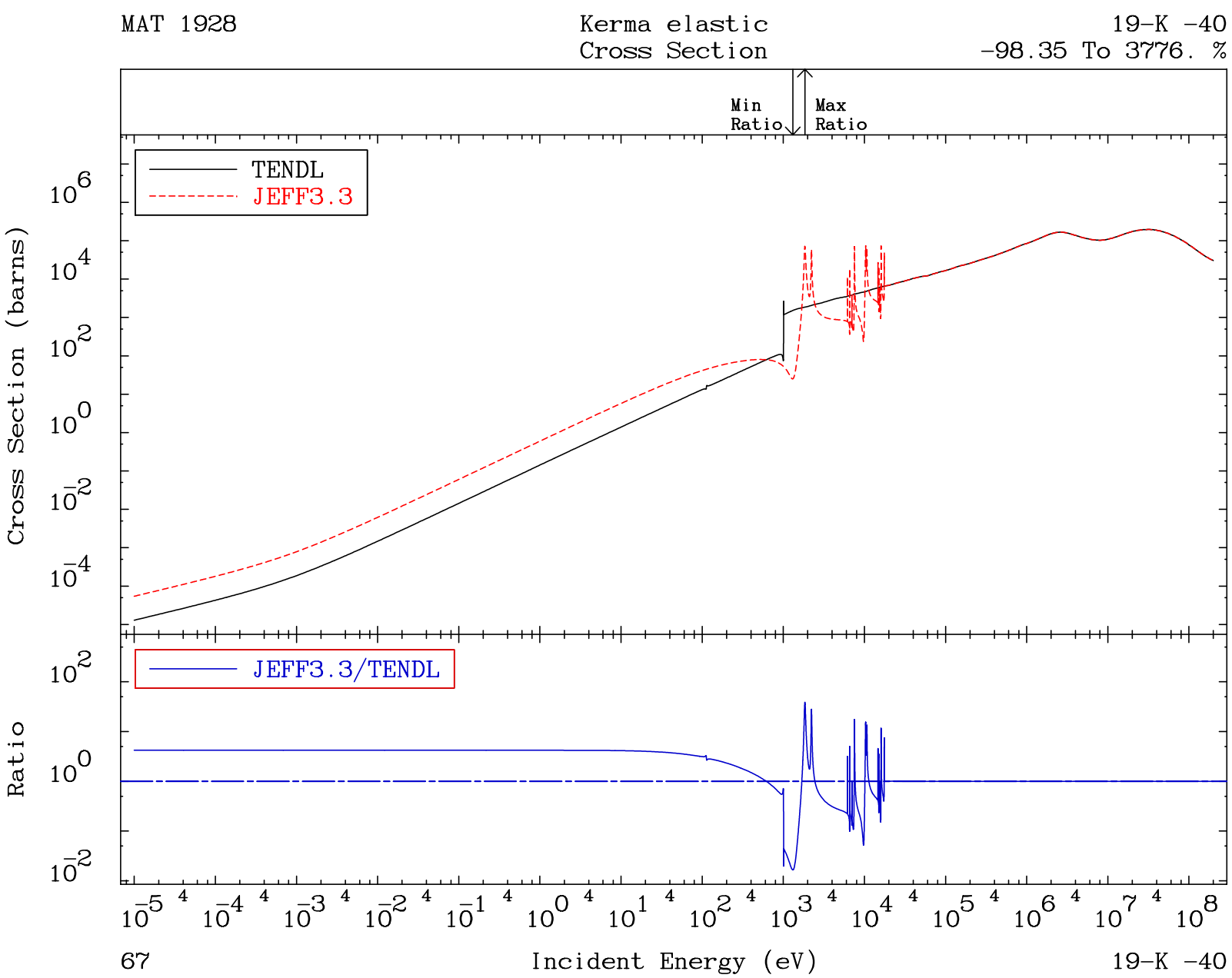

MAT 1928
Deuterium Production
Cross Section
19-K -40
-0.711 To 0.128 %
Max
Ratio
Min
Ratio
TENDL Threshold 5.4929 MeV
JEFF3.3 Threshold 5.4929 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
62
Incident Energy (eV)
19-K -40

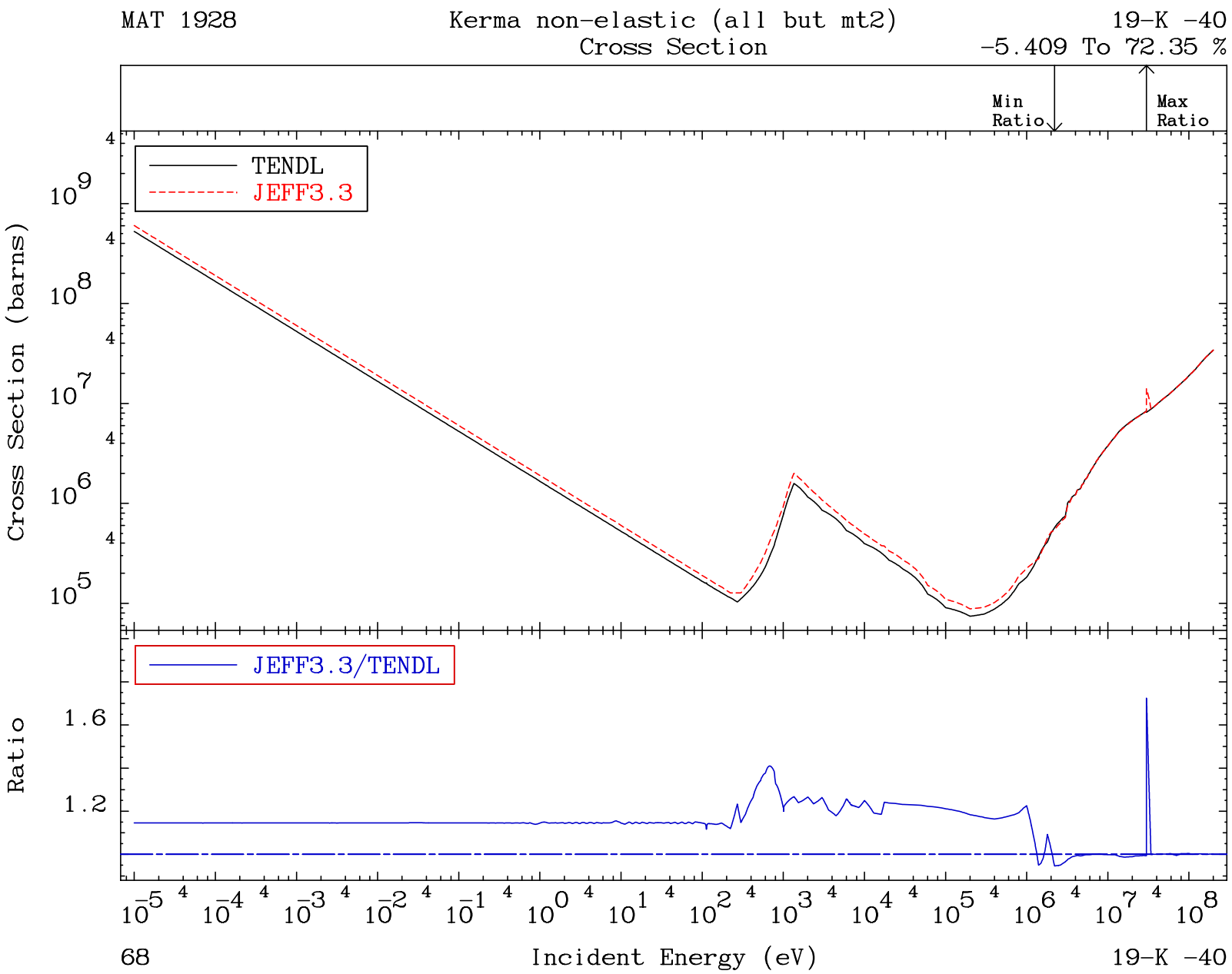

MAT 1928
Tritium Production
Cross Section
19-K -40
-0.588 To 0.284 %
Max
Ratio
Min
Ratio
TENDL Threshold 5.8430 MeV
JEFF3.3 Threshold 5.8430 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
63
Incident Energy (eV)
19-K -40

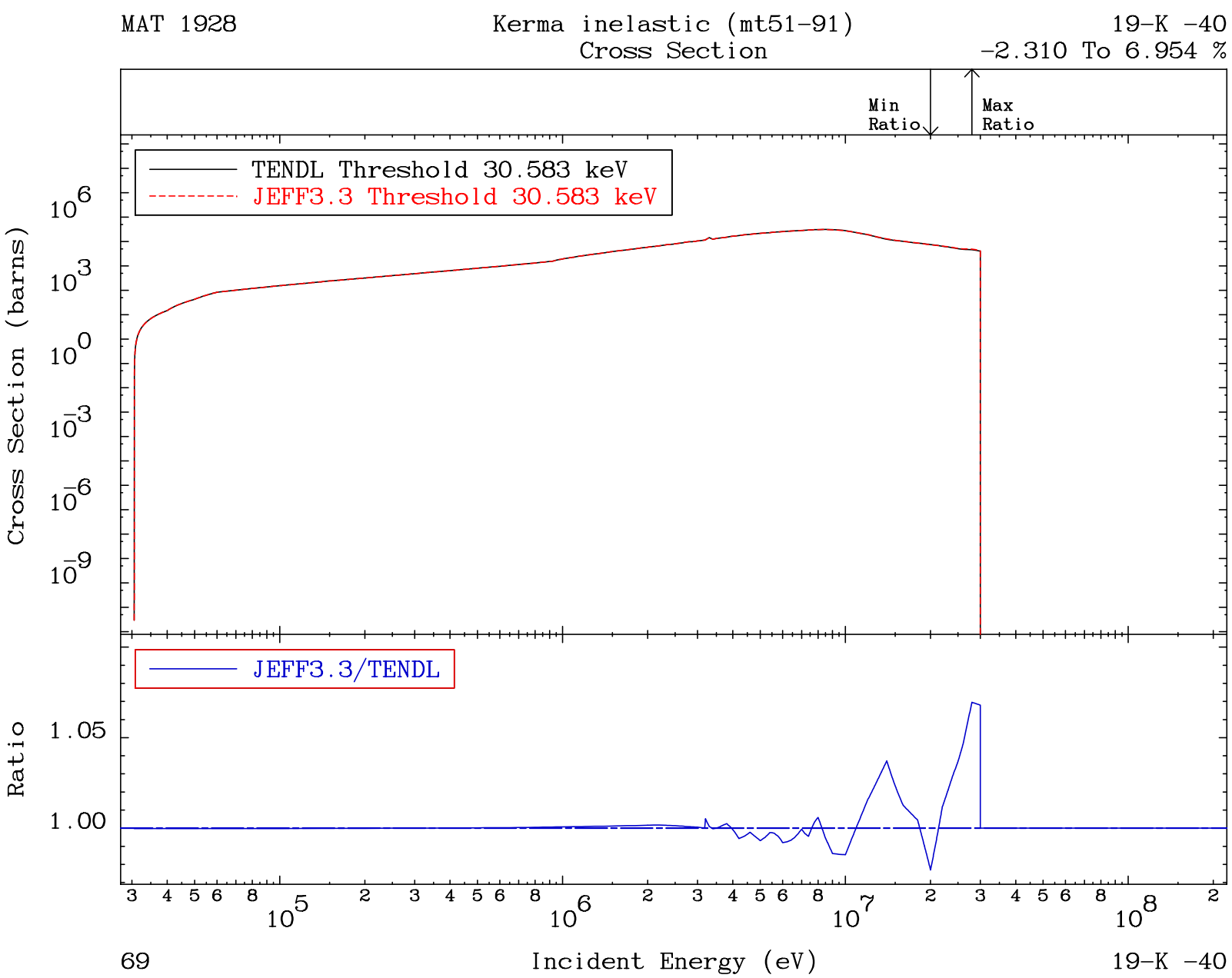

MAT 1928
He-3 Production
Cross Section
19-K -40
-0.450 To 0.069 %
Min
Ratio
Max
Ratio
TENDL Threshold 10.865 MeV
JEFF3.3 Threshold 10.865 MeV
Cross Section (milli-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
64
Incident Energy (eV)
19-K -40

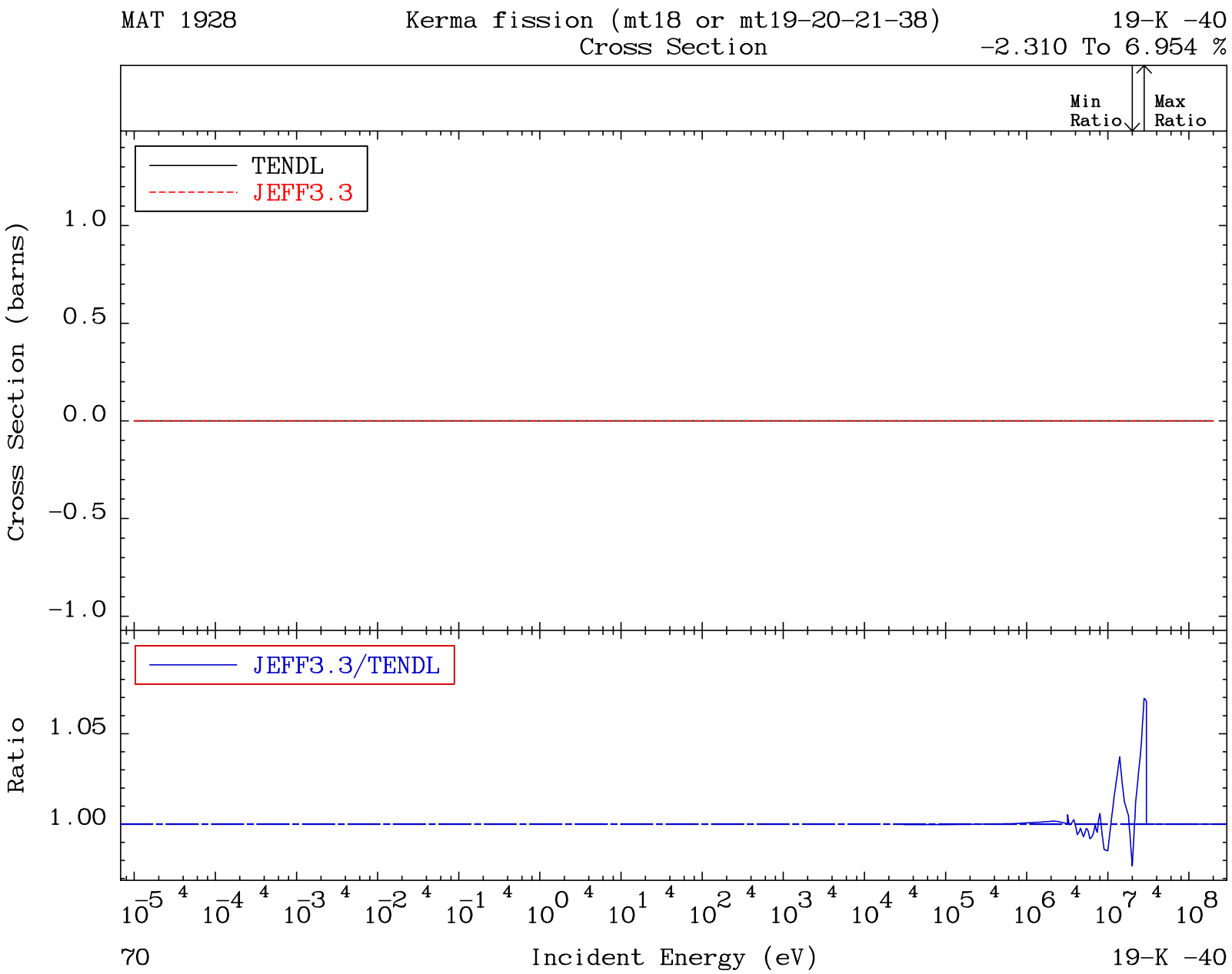

MAT 1928
He-4 Production
Cross Section
19-K -40
-4.783 To 25.51 %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
65
19-K -40

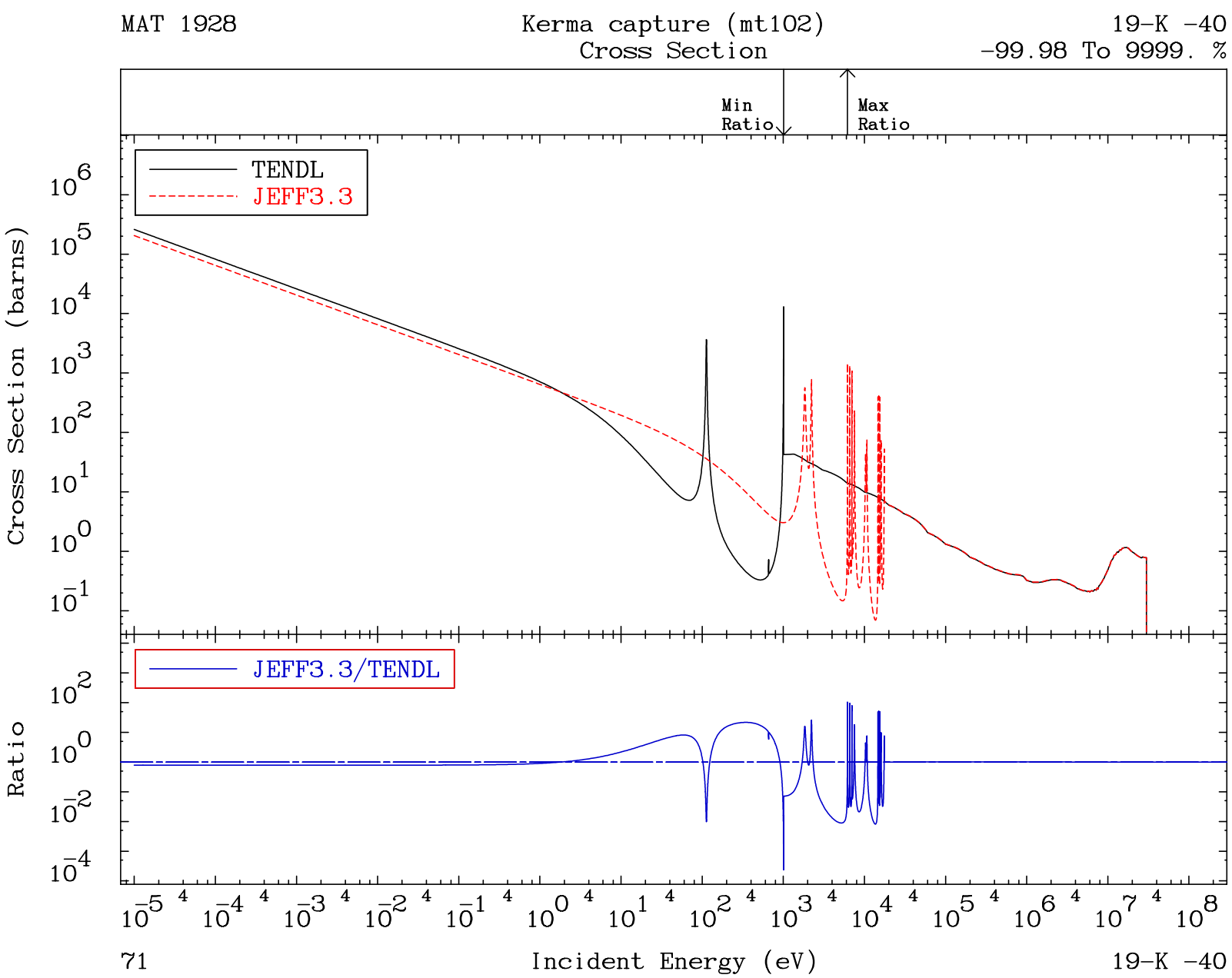

MAT 1928
Kerma total (eV-barns)
Cross Section
19-K -40
-4.191 To 70.65 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
66
19-K -40

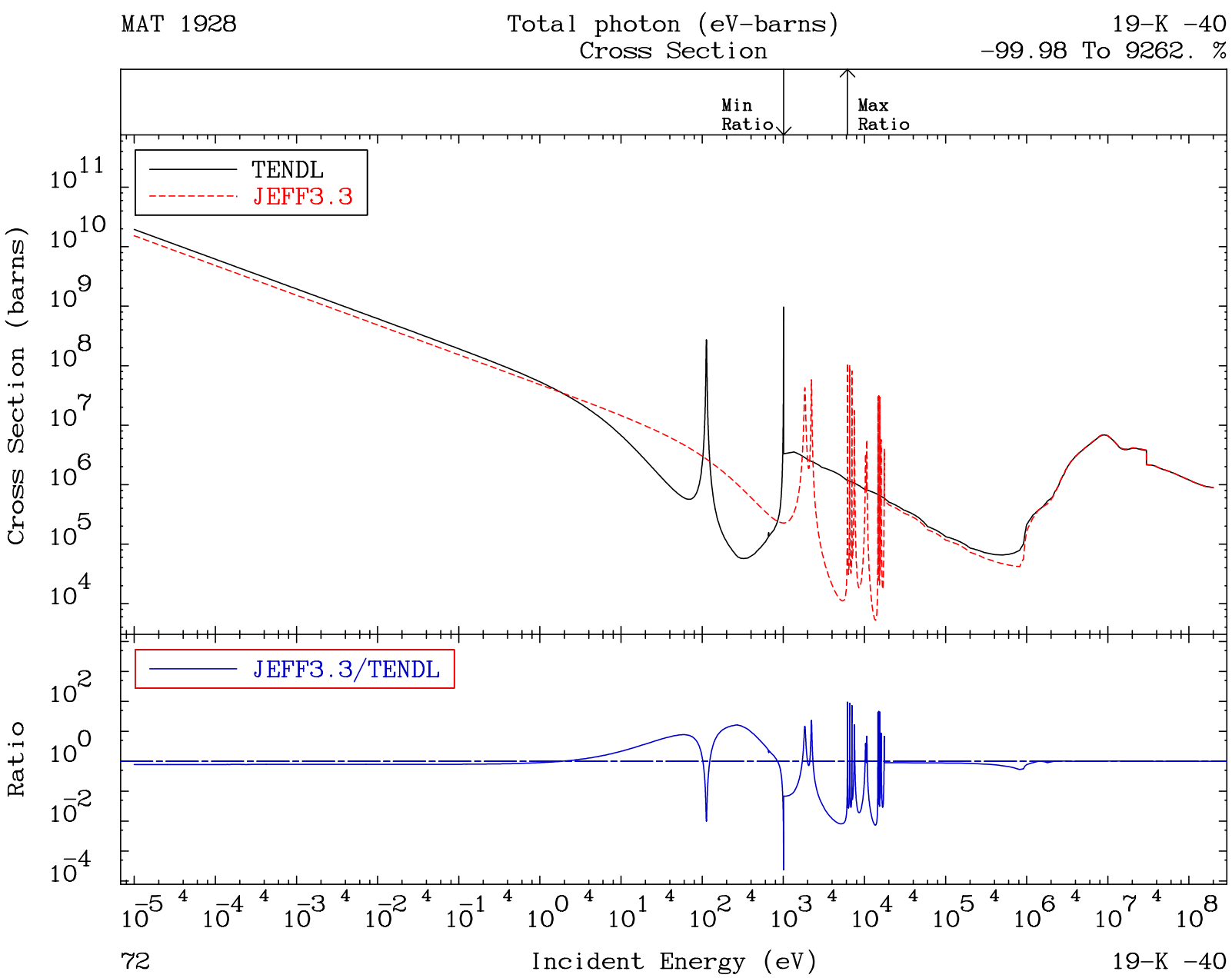

MAT 1928
Kerma elastic
Cross Section
19-K -40
-98.35 To 3776. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
67
19-K -40

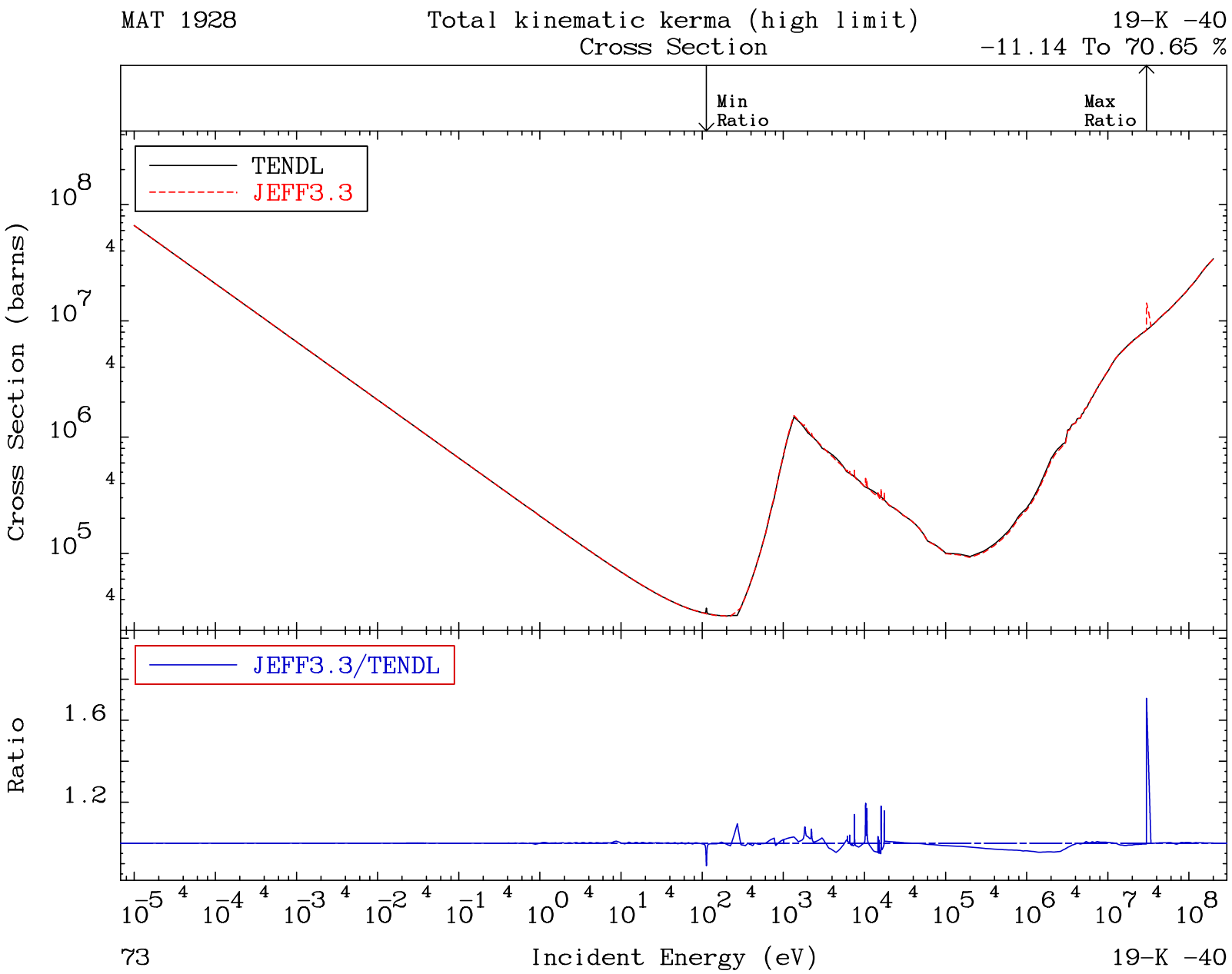

MAT 1928
Kerma non-elastic (all but mt2)
Cross Section
19-K -40
-5.409 To 72.35 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
68
19-K -40

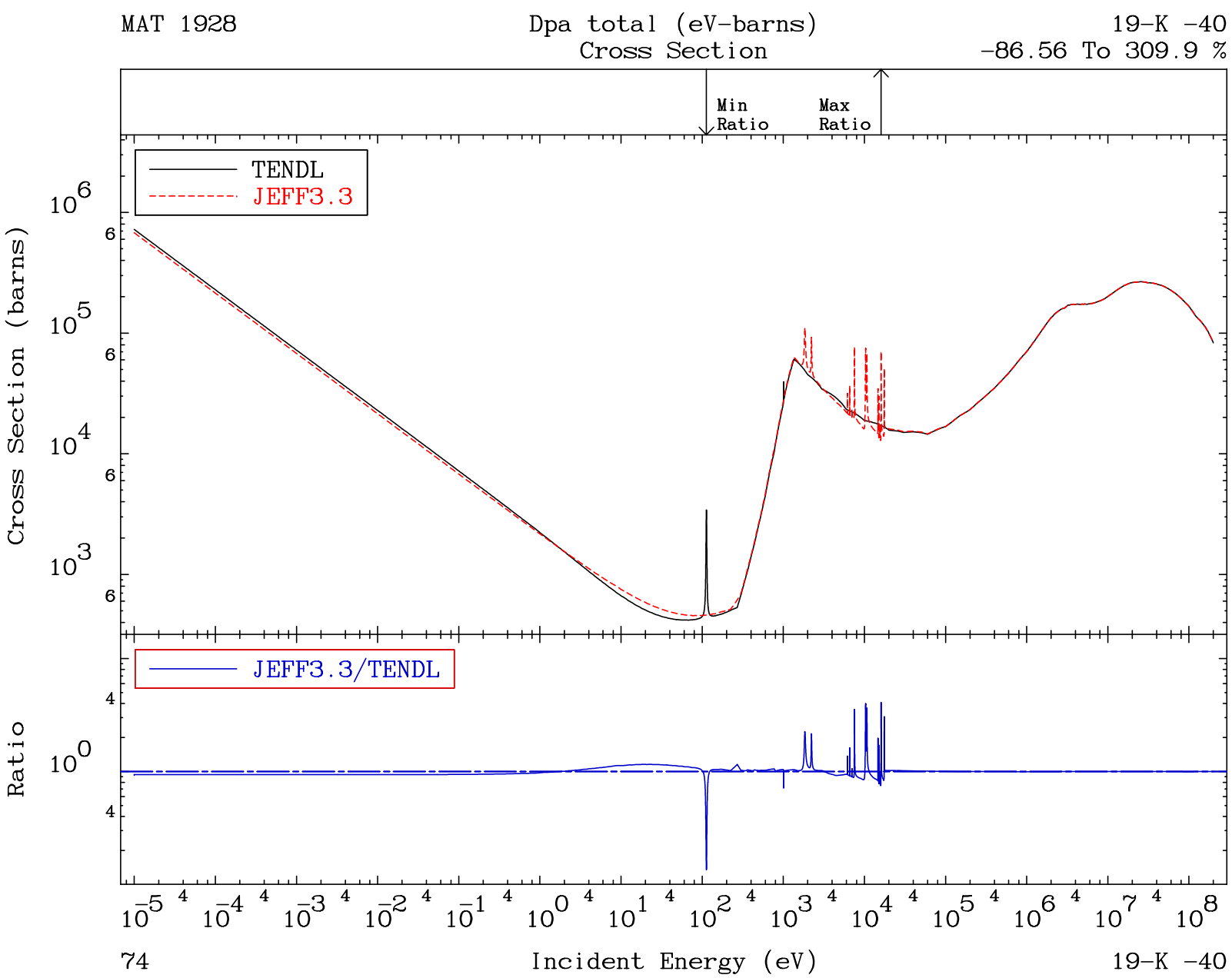

MAT 1928
Kerma inelastic (mt51-91)
Cross Section
19-K -40
-2.310 To 6.954 %
Min Ratio
Max Ratio
TENDL Threshold 30.583 keV
JEFF3.3 Threshold 30.583 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
69
19-K -40

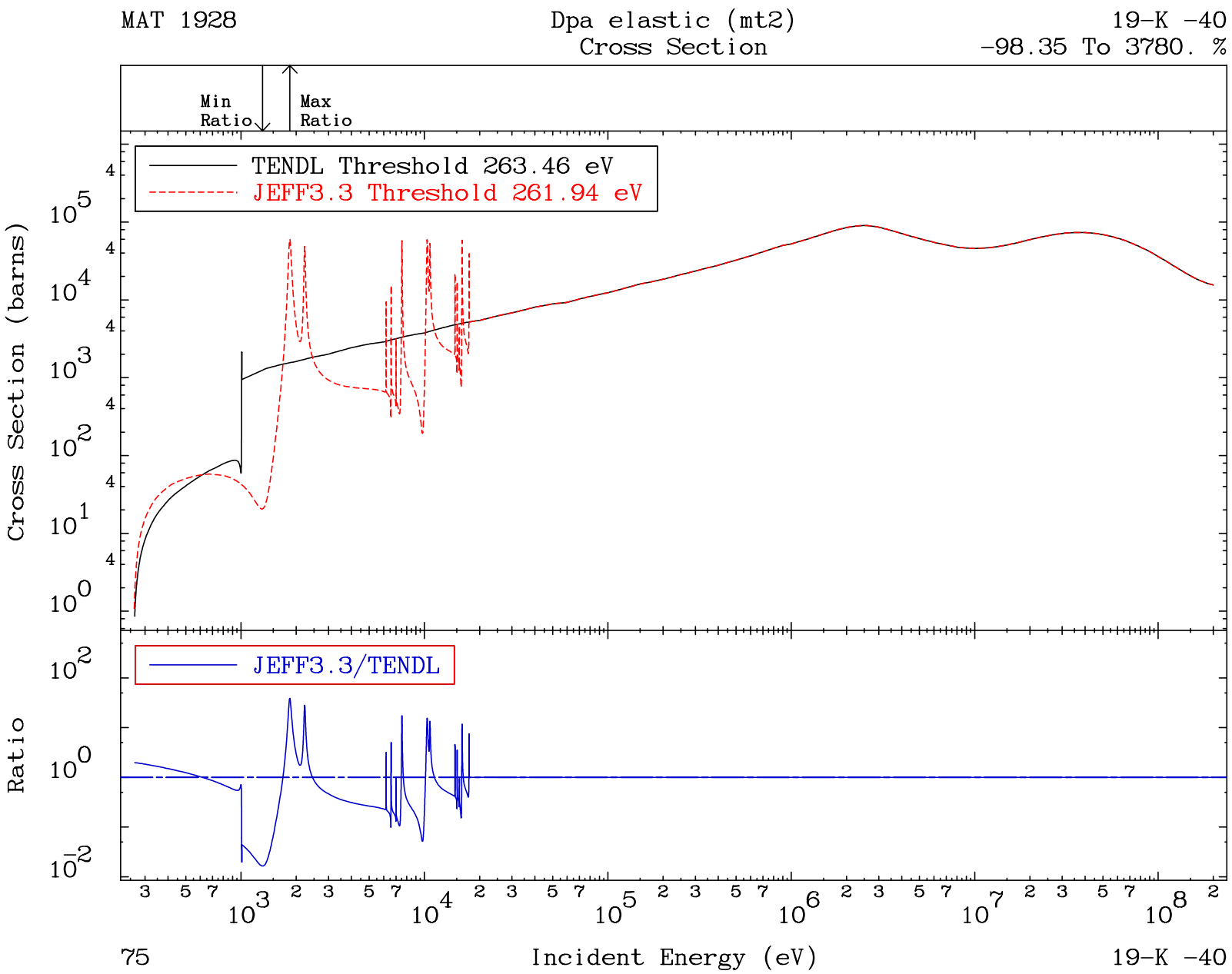

MAT 1928
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
19-K -40
-2.310 To 6.954 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
JEFF3.3/TENDL
Ratio
1.05
1.00
10-5 4 10-4 4 10-3 4 10-2 4 10-1 4 100 4 101 4 102 4 103 4 104 4 105 4 106 4 107 4 108
70
Incident Energy (eV)
19-K -40

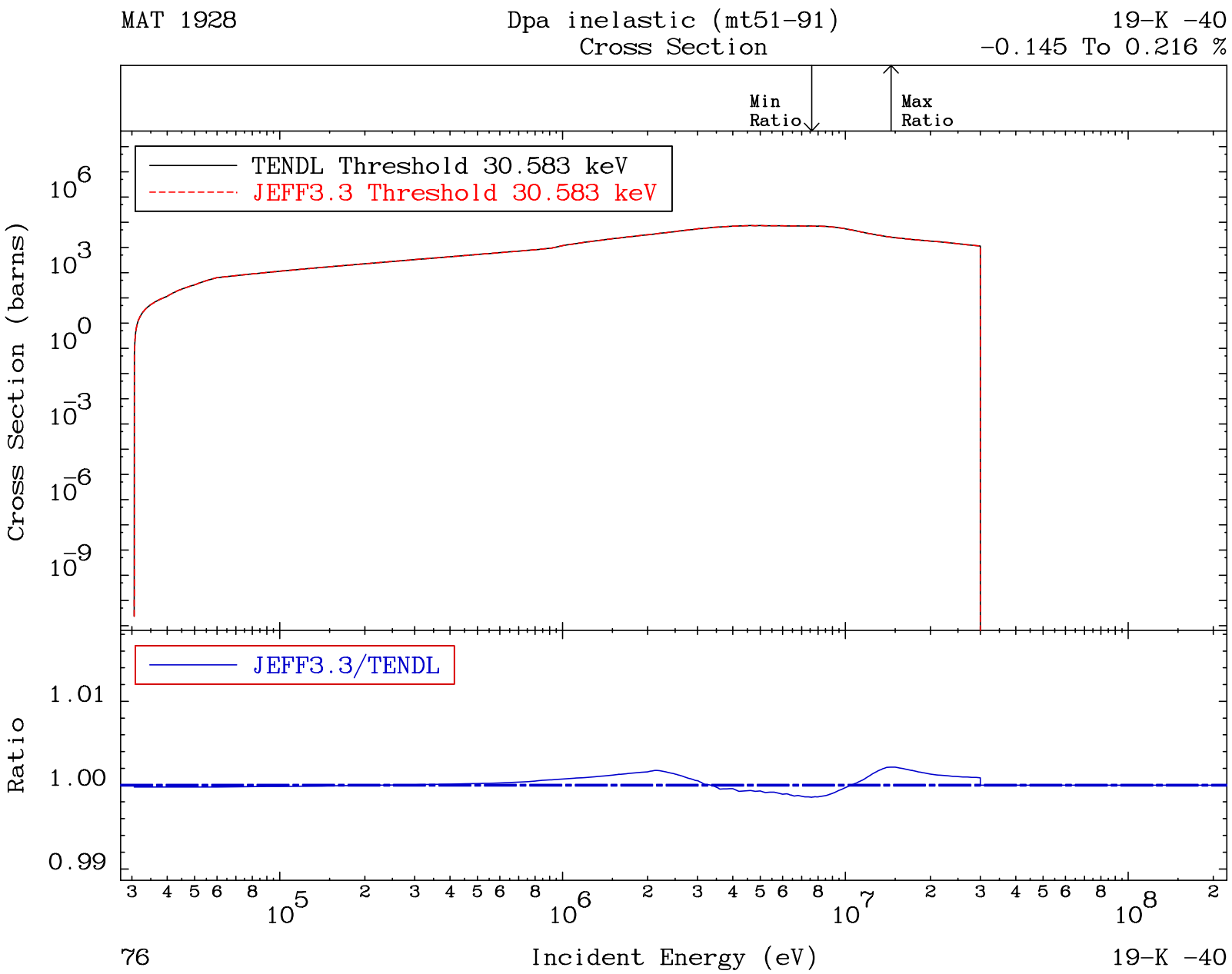

MAT 1928
Kerma capture (mt102)
Cross Section
19-K -40
-99.98 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
71
19-K -40

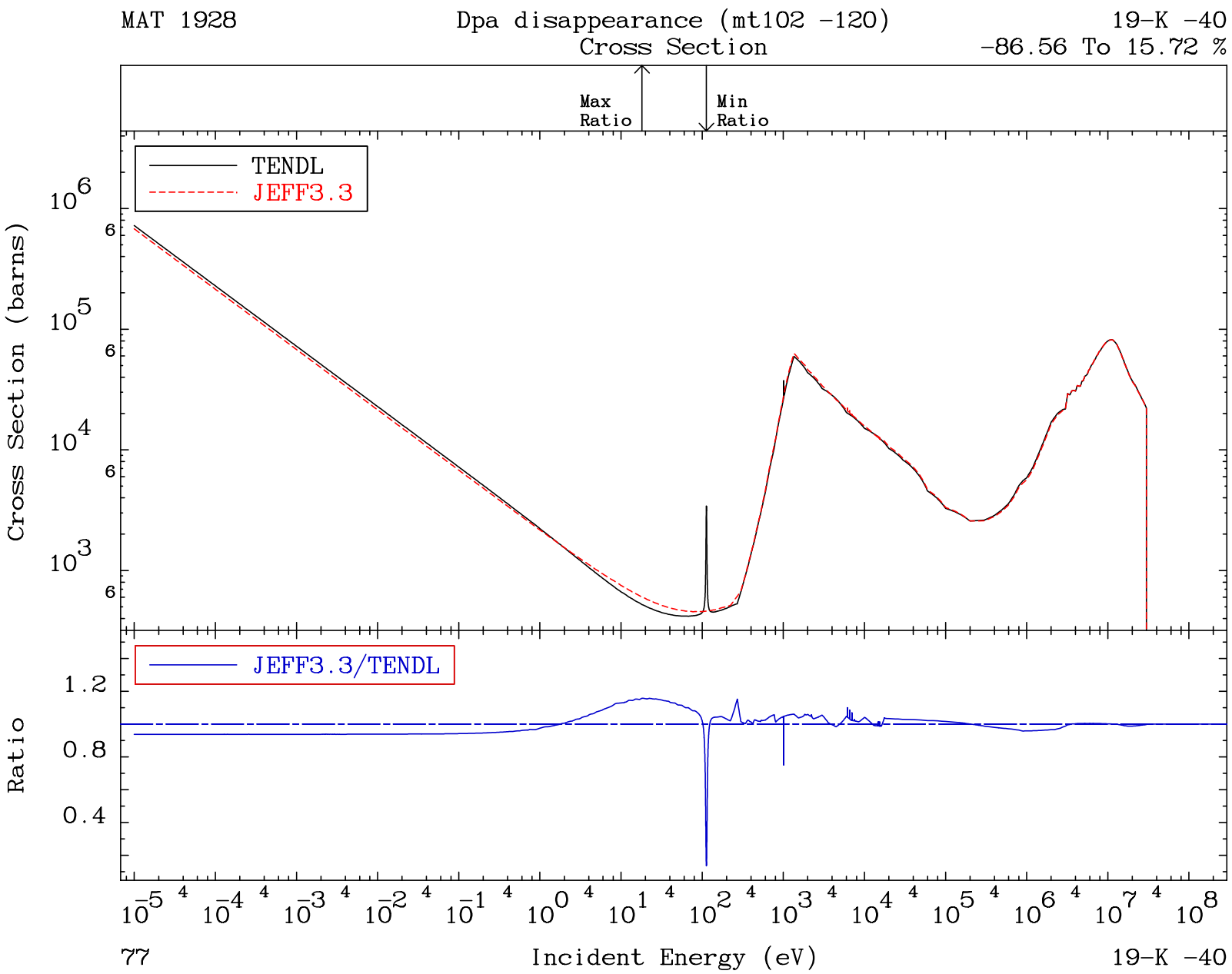

MAT 1928
Total photon (eV-barns)
Cross Section
19-K -40
-99.98 To 9262. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
72
19-K -40

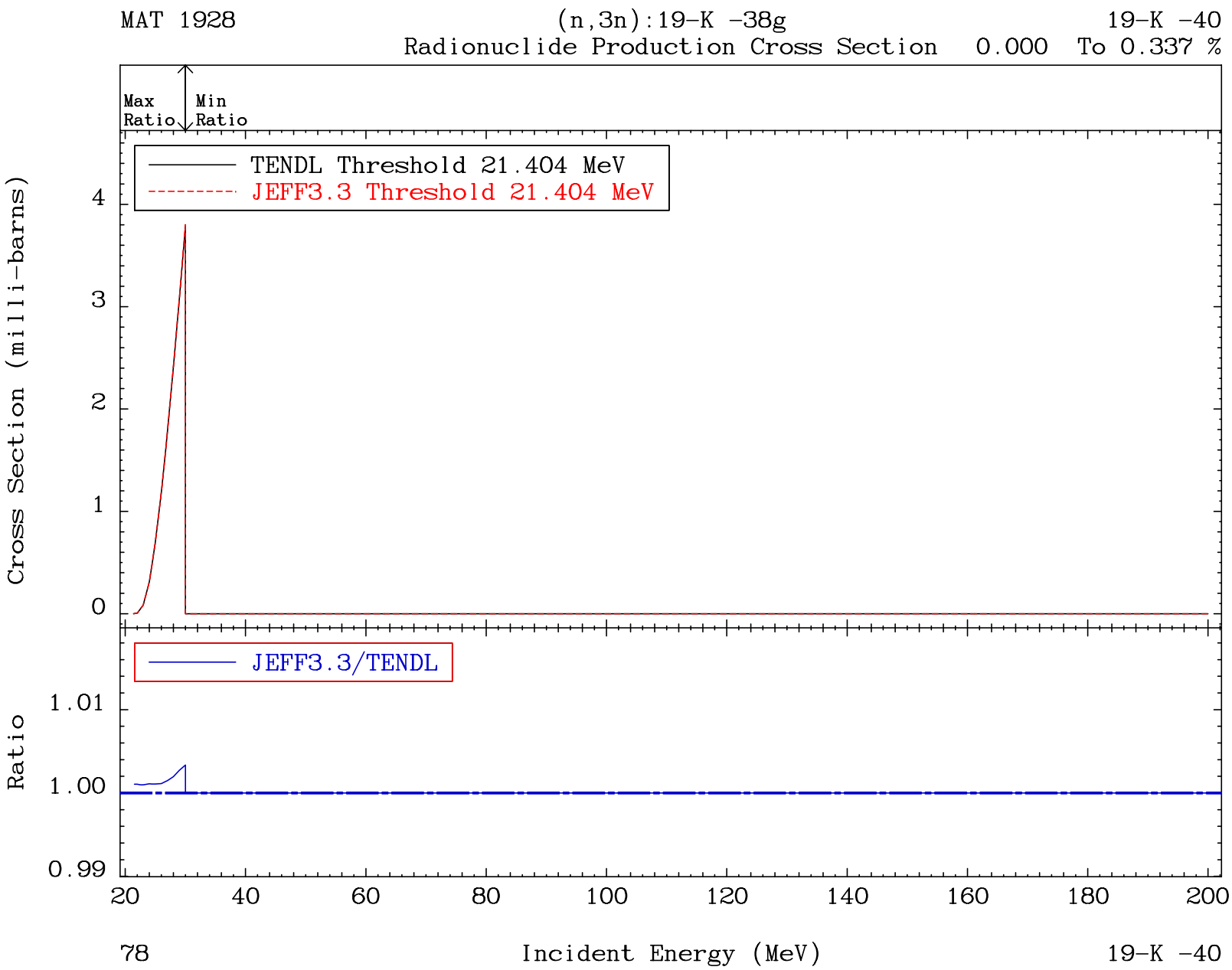

MAT 1928
Total kinematic kerma (high limit)
Cross Section
19-K -40
-11.14 To 70.65 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
73
19-K -40

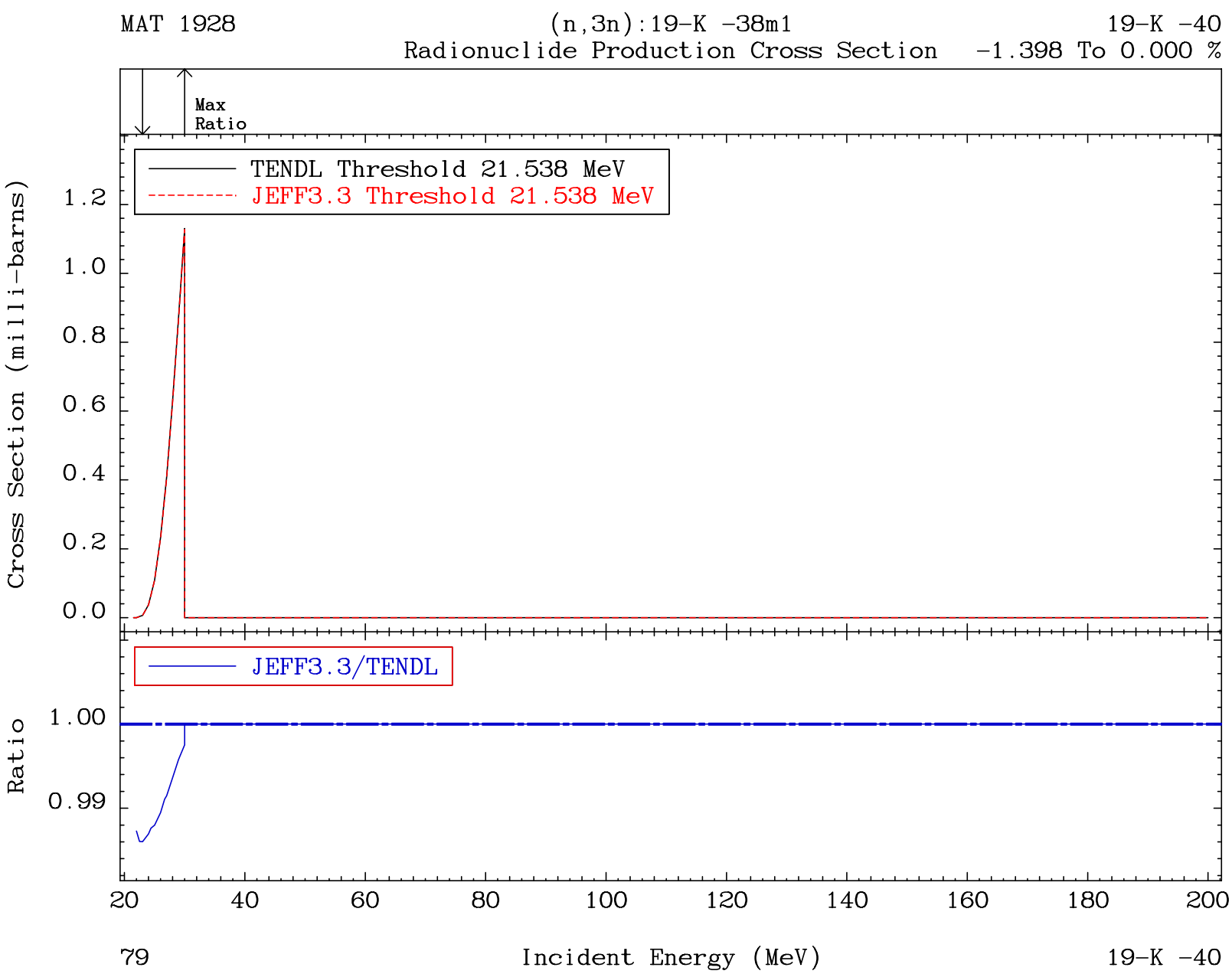

MAT 1928
Dpa total (eV-barns)
Cross Section
19-K -40
-86.56 To 309.9 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
74
19-K -40

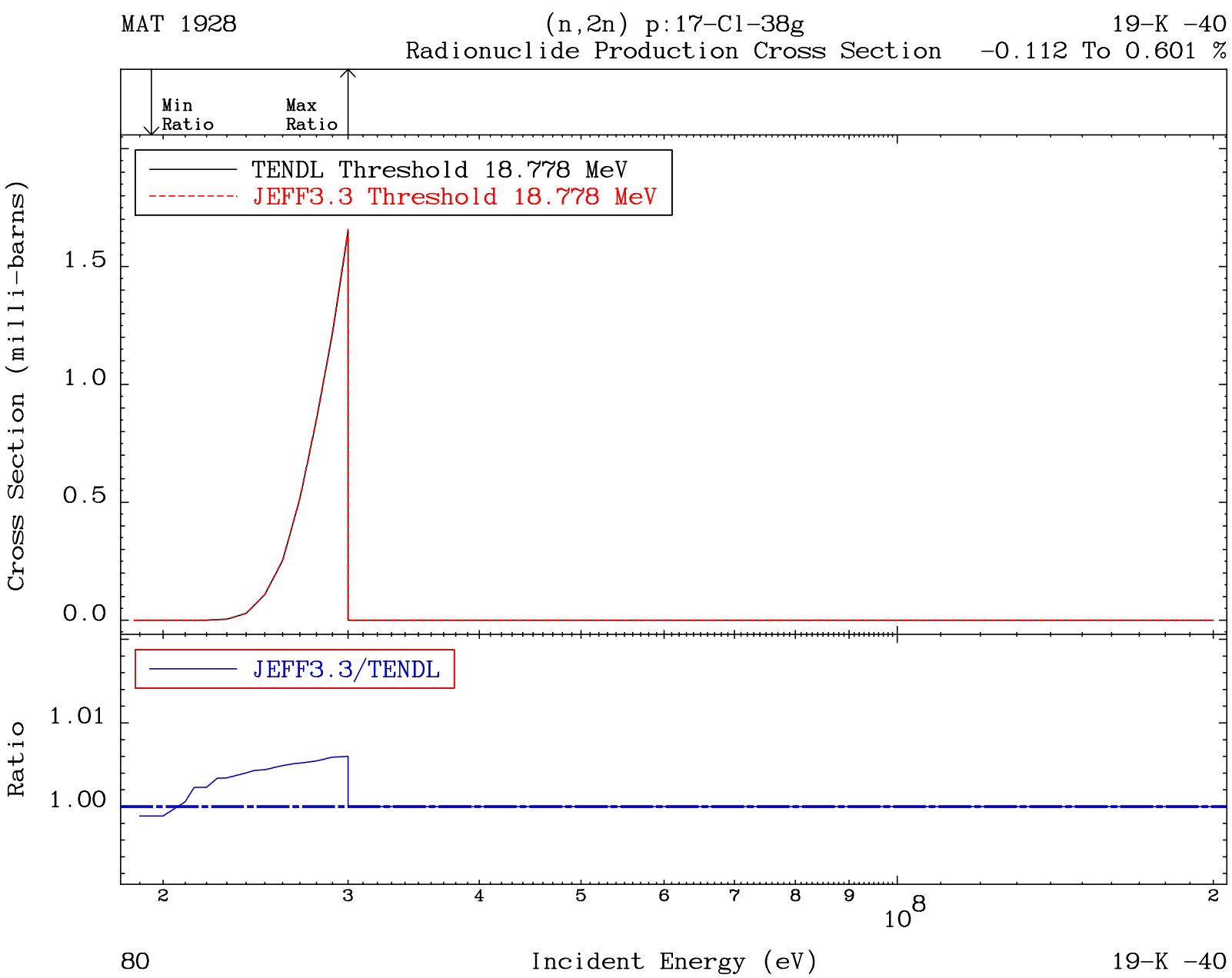

MAT 1928
Dpa elastic (mt2)
Cross Section
19-K -40
-98.35 To 3780. %
Min Ratio
Max Ratio
TENDL Threshold 263.46 eV
JEFF3.3 Threshold 261.94 eV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
75
19-K -40

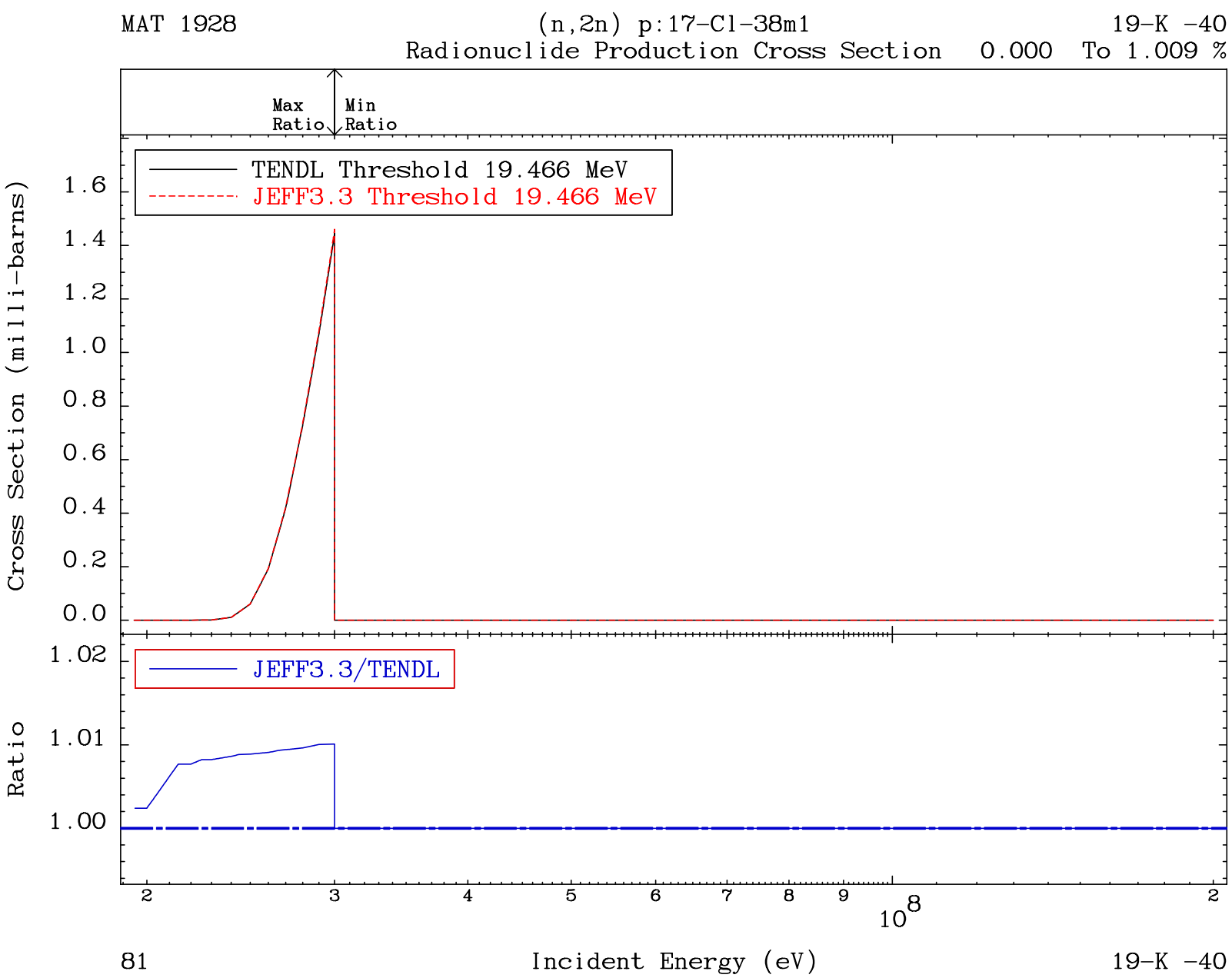

MAT 1928
Dpa inelastic (mt51-91)
Cross Section
19-K -40
-0.145 To 0.216 %
Min Ratio
Max Ratio
TENDL Threshold 30.583 keV
JEFF3.3 Threshold 30.583 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
76
19-K -40

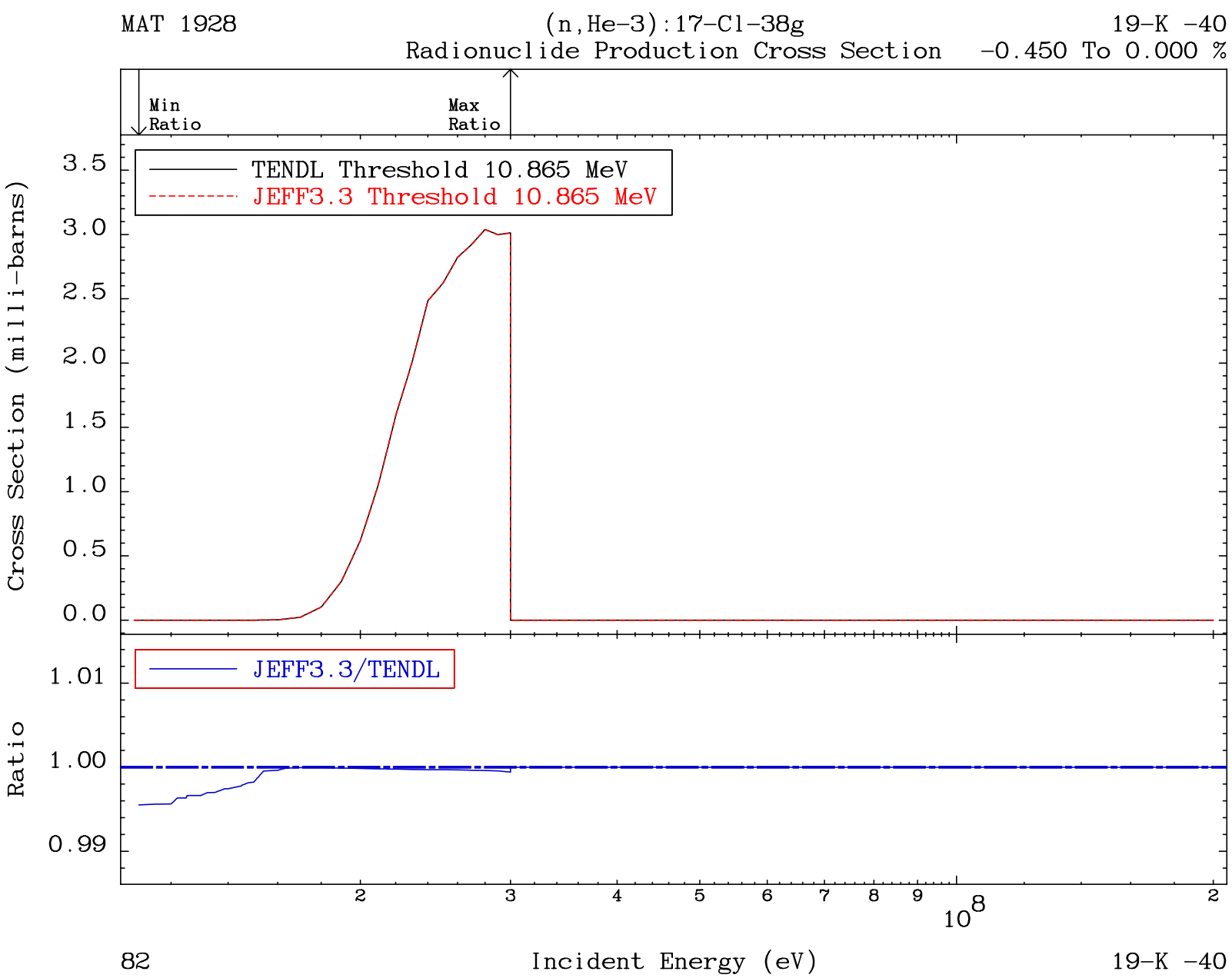

MAT 1928
Dpa disappearance (mt102 -120)
Cross Section
19-K -40
-86.56 To 15.72 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
77
19-K -40

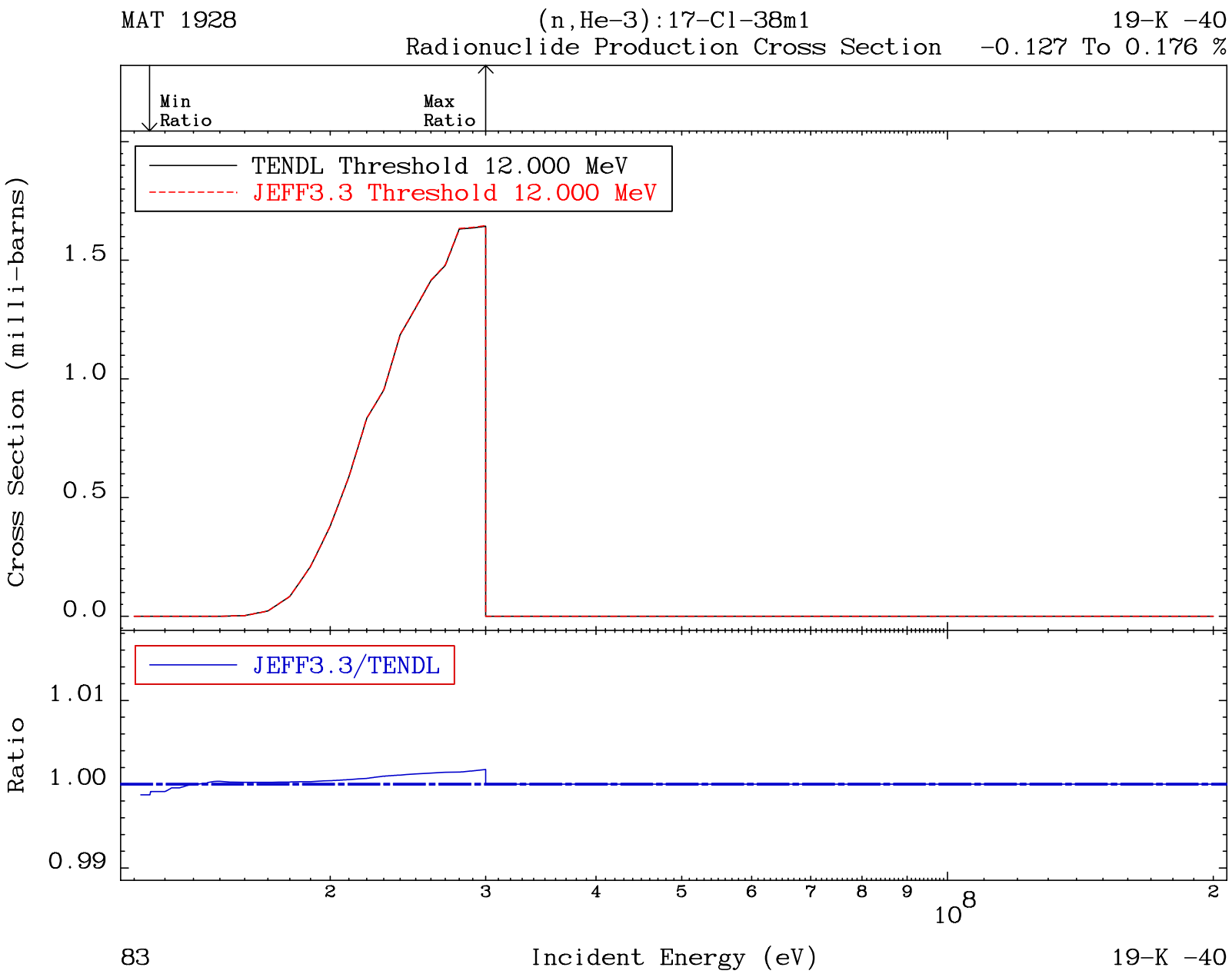

MAT 1928
(n,3n):19-K -38g
19-K -40
Radionuclide Production Cross Section 0.000 To 0.337 %
Max Ratio
Min Ratio
TENDL Threshold 21.404 MeV
JEFF3.3 Threshold 21.404 MeV
Cross Section (milli-barns)
0
1
2
3
4
JEFF3.3/TENDL
Ratio
0.99
1.00
1.01
20
40
60
80
100
120
140
160
180
200
78
Incident Energy (MeV)
19-K -40

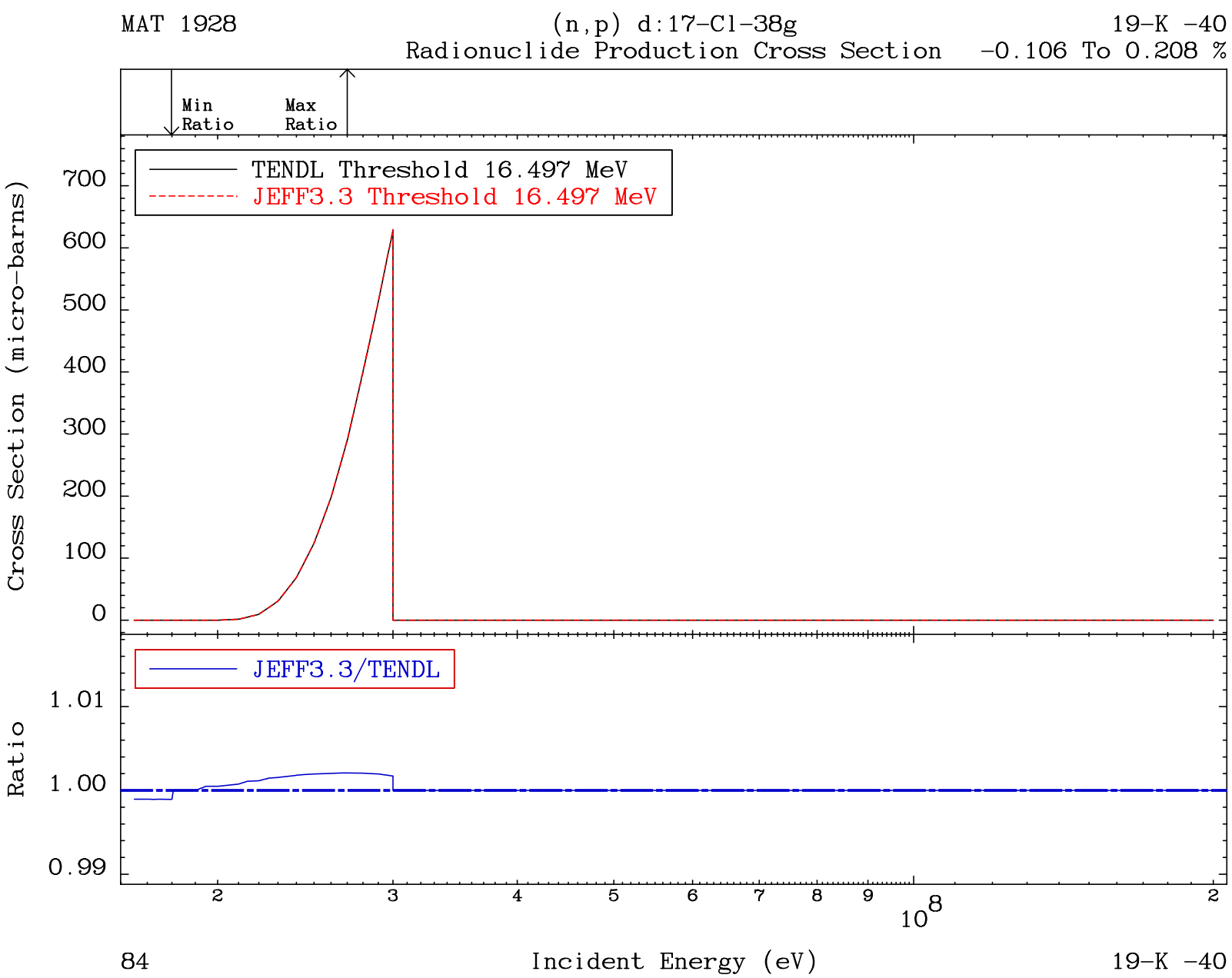

MAT 1928
(n,3n):19-K -38m1
19-K -40
Radionuclide Production Cross Section
-1.398 To 0.000 %
Max
Ratio
TENDL Threshold 21.538 MeV
JEFF3.3 Threshold 21.538 MeV
Cross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.00
0.99
20
40
60
80
100
120
140
160
180
200
79
Incident Energy (MeV)
19-K -40

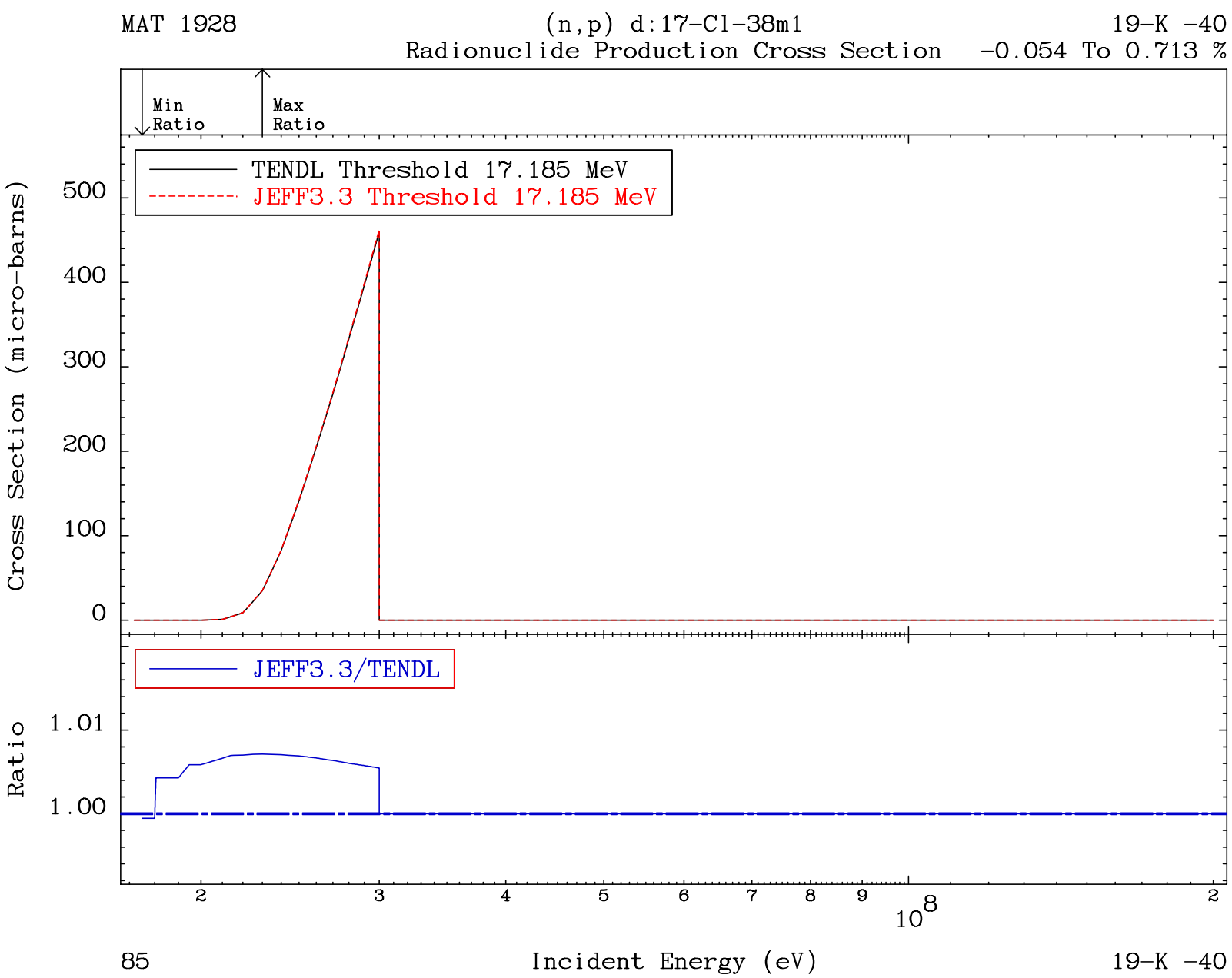

MAT 1928
(n,2n) p:17-Cl-38g
19-K -40
Radionuclide Production Cross Section
-0.112 To 0.601 %
Min Ratio
Max Ratio
TENDL Threshold 18.778 MeV
JEFF3.3 Threshold 18.778 MeV
Cross Section (milli-barns)
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
80
Incident Energy (eV)
19-K -40


MAT 1928
(n,2n) p:17-Cl-38m1
19-K -40
Radionuclide Production Cross Section 0.000 To 1.009 %
Max Ratio
Min Ratio
TENDL Threshold 19.466 MeV
JEFF3.3 Threshold 19.466 MeV
Cross Section (milli-barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
81
Incident Energy (eV)
19-K -40


MAT 1928
(n,He-3):17-Cl-38g
19-K -40
Radionuclide Production Cross Section
-0.450 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 10.865 MeV
JEFF3.3 Threshold 10.865 MeV
Cross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
82
Incident Energy (eV)
19-K -40


MAT 1928
(n,He-3):17-Cl-38m1
19-K -40
Radionuclide Production Cross Section
-0.127 To 0.176 %
Min Ratio
Max Ratio
TENDL Threshold 12.000 MeV
JEFF3.3 Threshold 12.000 MeV
Cross Section (milli-barns)
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
83
Incident Energy (eV)
19-K -40


MAT 1928
(n,p) d:17-Cl-38g
19-K -40
Radionuclide Production Cross Section
-0.106 To 0.208 %
Min Ratio
Max Ratio
TENDL Threshold 16.497 MeV
JEFF3.3 Threshold 16.497 MeV
Cross Section (micro-barns)
700
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
84
Incident Energy (eV)
19-K -40


MAT 1928
(n,p) d:17-Cl-38m1
19-K -40
Radionuclide Production Cross Section
-0.054 To 0.713 %
Min Ratio
Max Ratio
TENDL Threshold 17.185 MeV
JEFF3.3 Threshold 17.185 MeV
Cross Section (micro-barns)
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
85
Incident Energy (eV)
19-K -40