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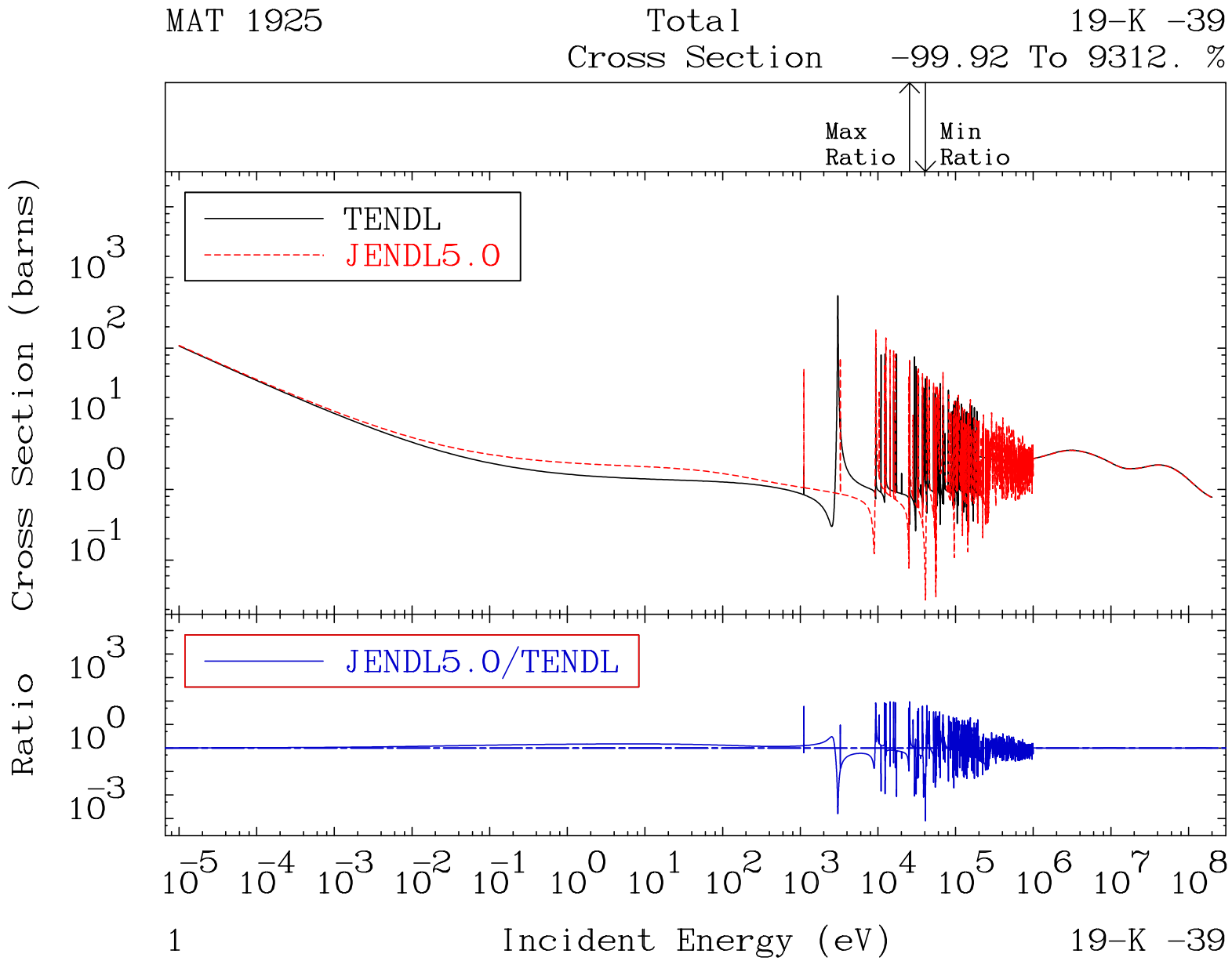
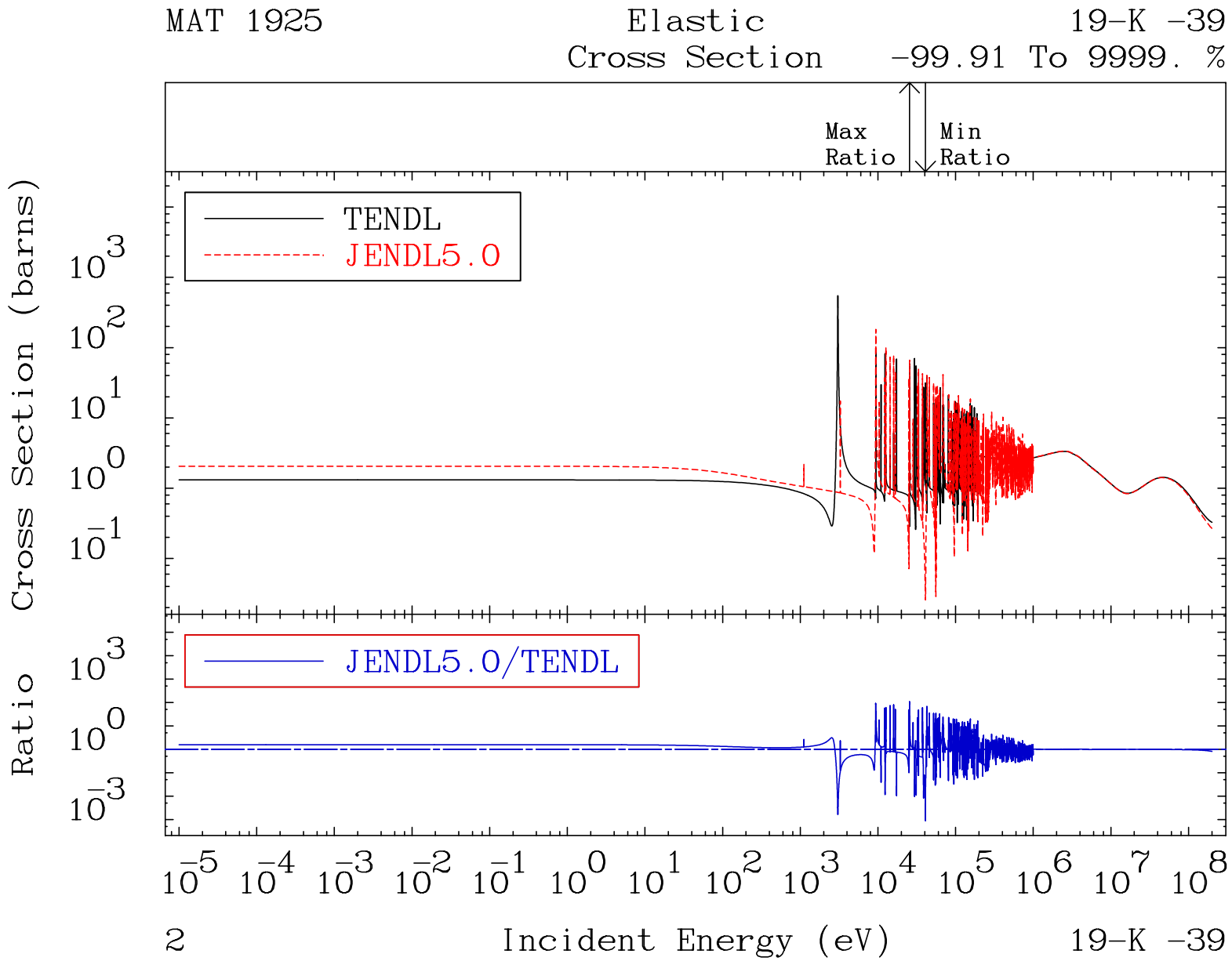
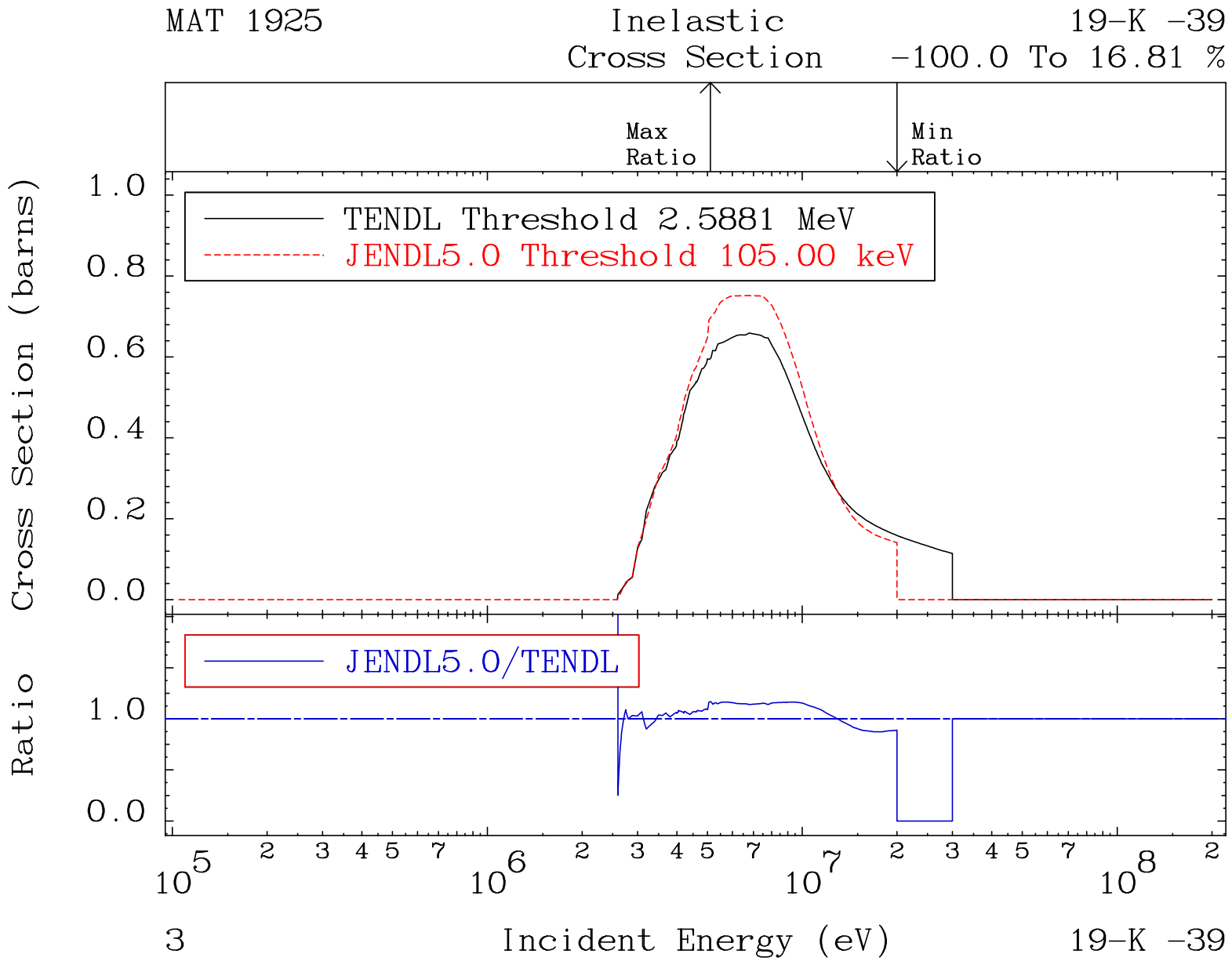
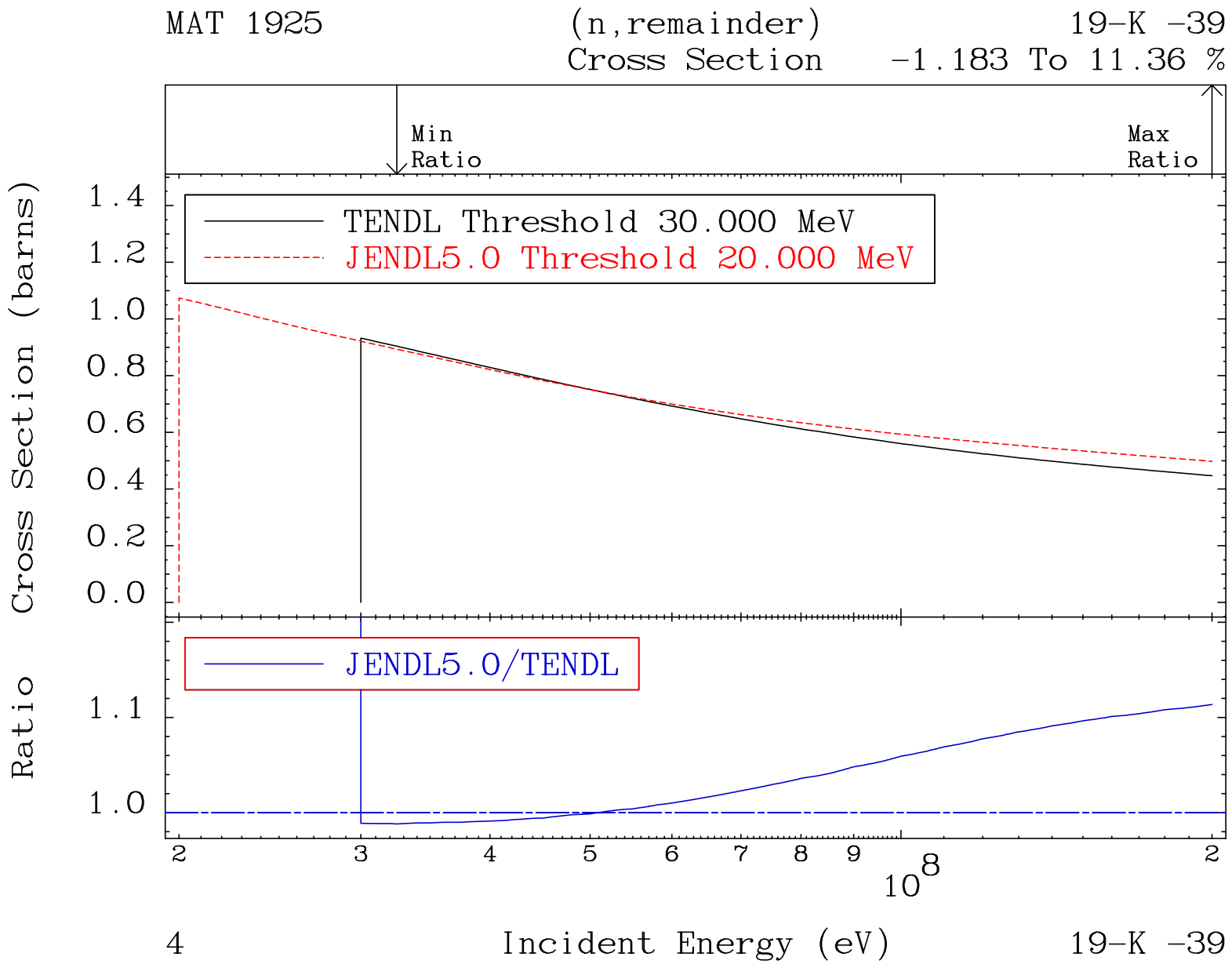
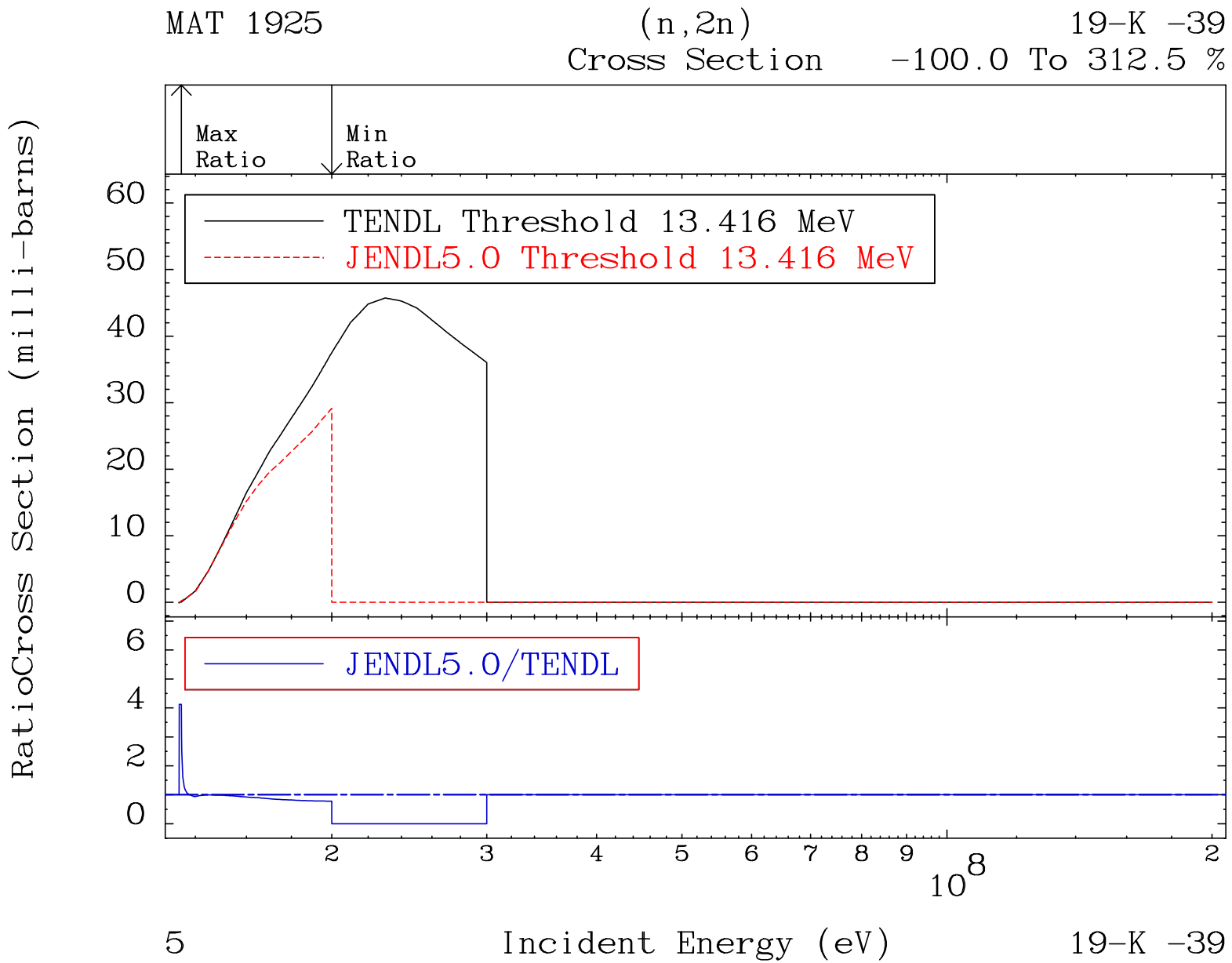
Press Mouse Button to Start

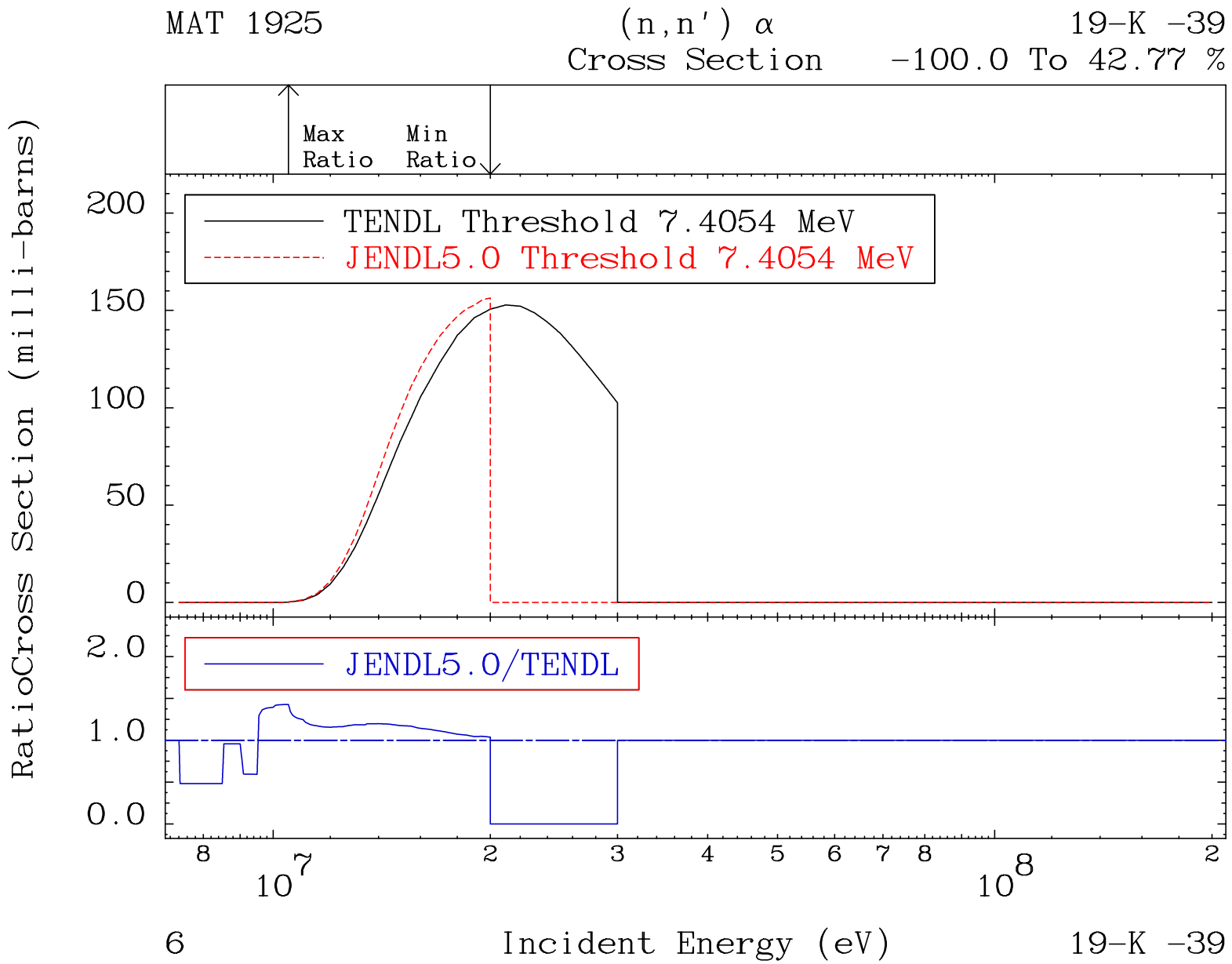

MAT 1925
Total
Cross Section
19-K -39
-99.92 To 9312. %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
1
19-K -39

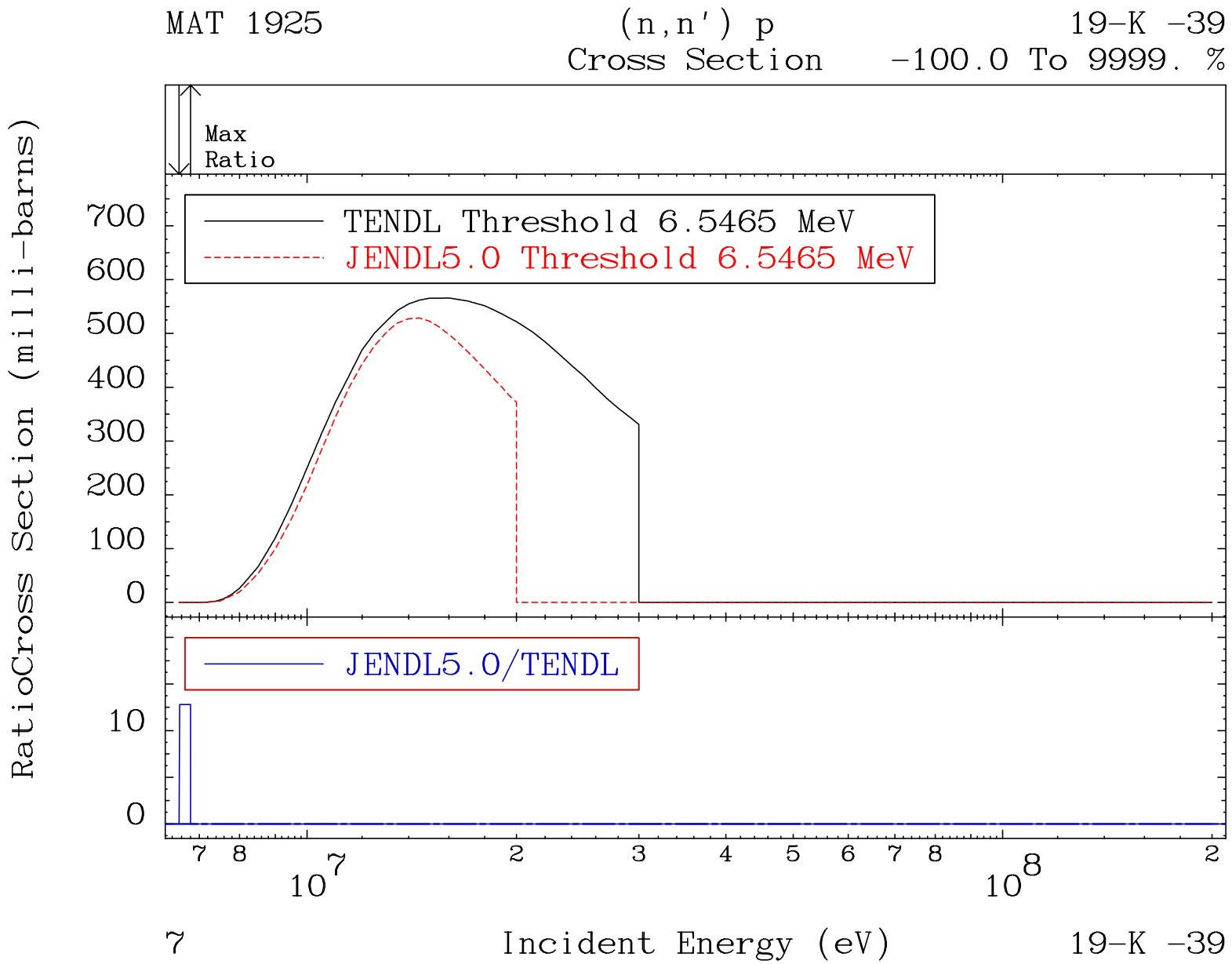

MAT 1925
Elastic
Cross Section
19-K -39
-99.91 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
19-K -39

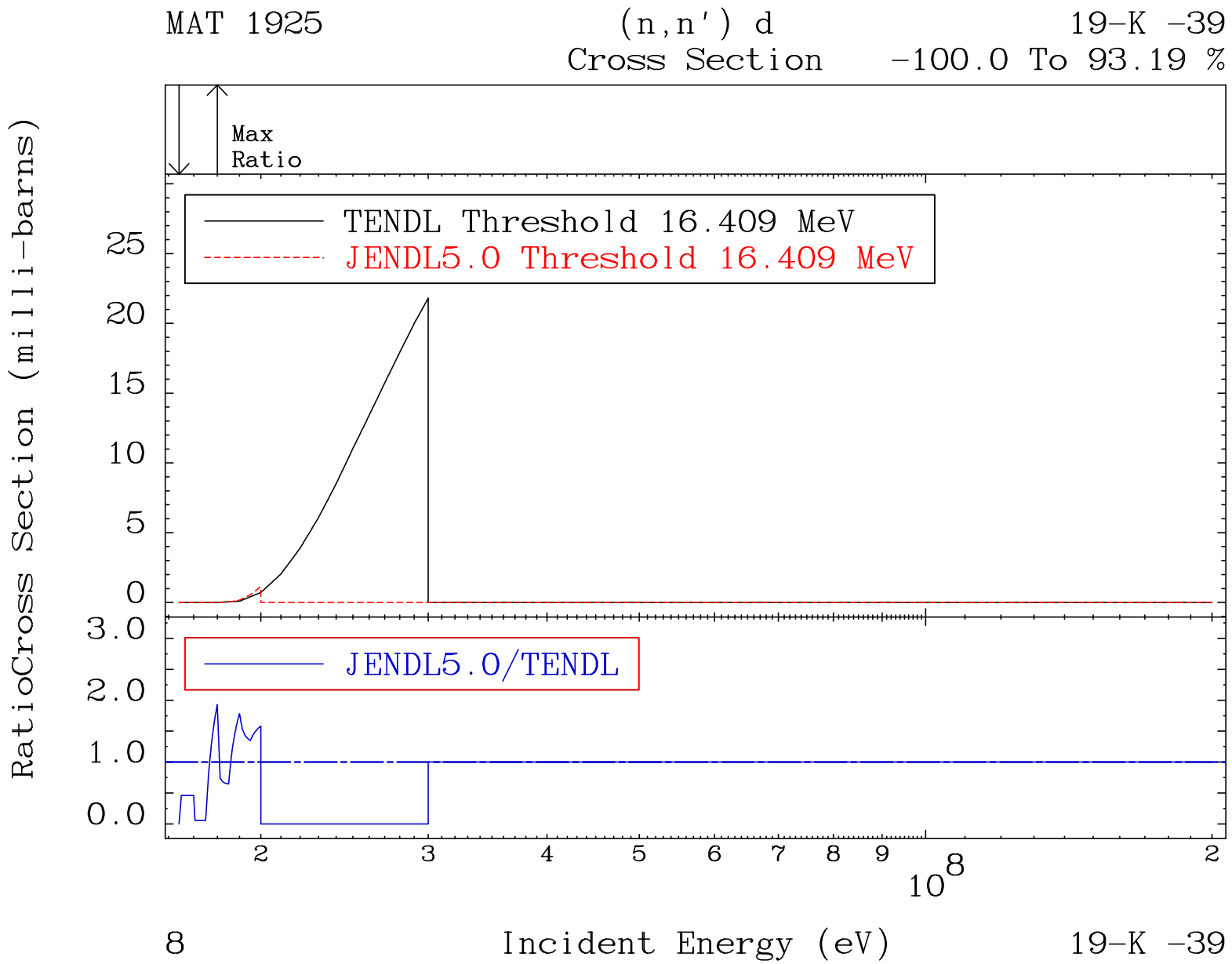

MAT 1925
Inelastic
Cross Section
19-K -39
-100.0 To 16.81 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.5881 MeV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
1.0
0.0
10^5
10^6
10^7
10^8
2 3 4 5 7
Incident Energy (eV)
3
19-K -39

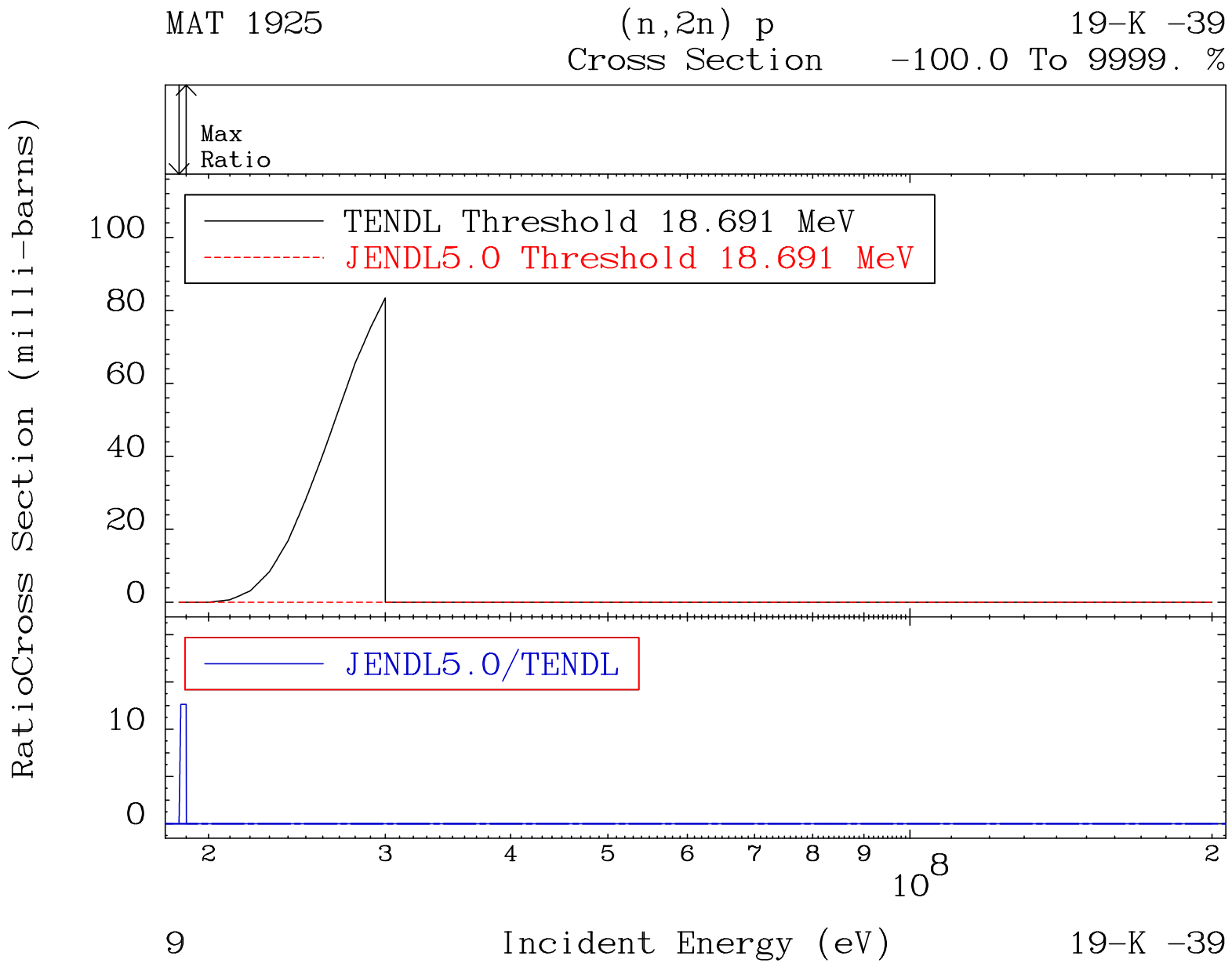

MAT 1925
(n,remainder)
Cross Section
19-K -39
-1.183 To 11.36 %
Min
Ratio
Max
Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1.1
1.0
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
19-K -39

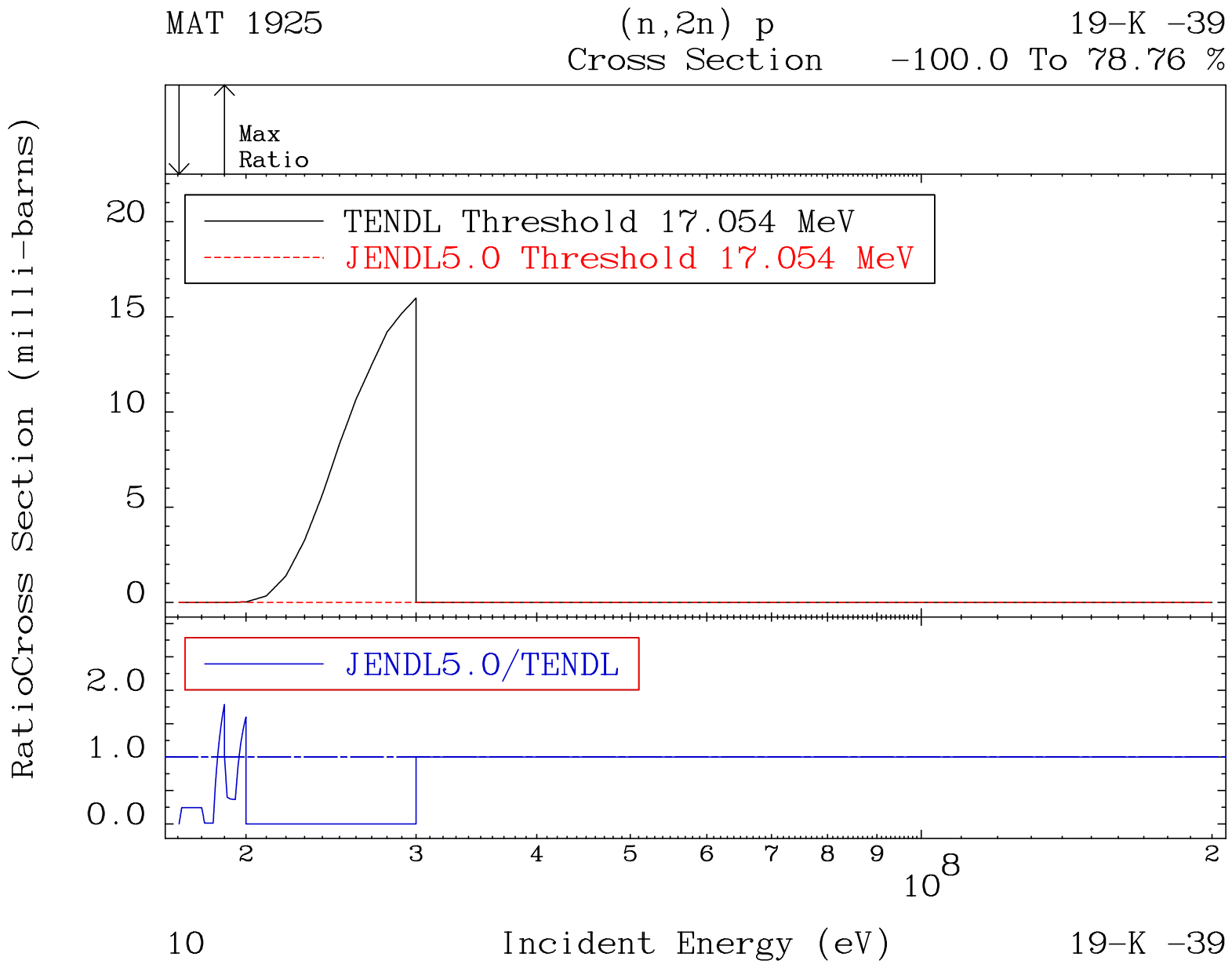

MAT 1925
(n,2n)
Cross Section
19-K -39
-100.0 To 312.5 %
Max Ratio
Min Ratio
TENDL Threshold 13.416 MeV
JENDL5.0 Threshold 13.416 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
6
4
2
0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
19-K -39

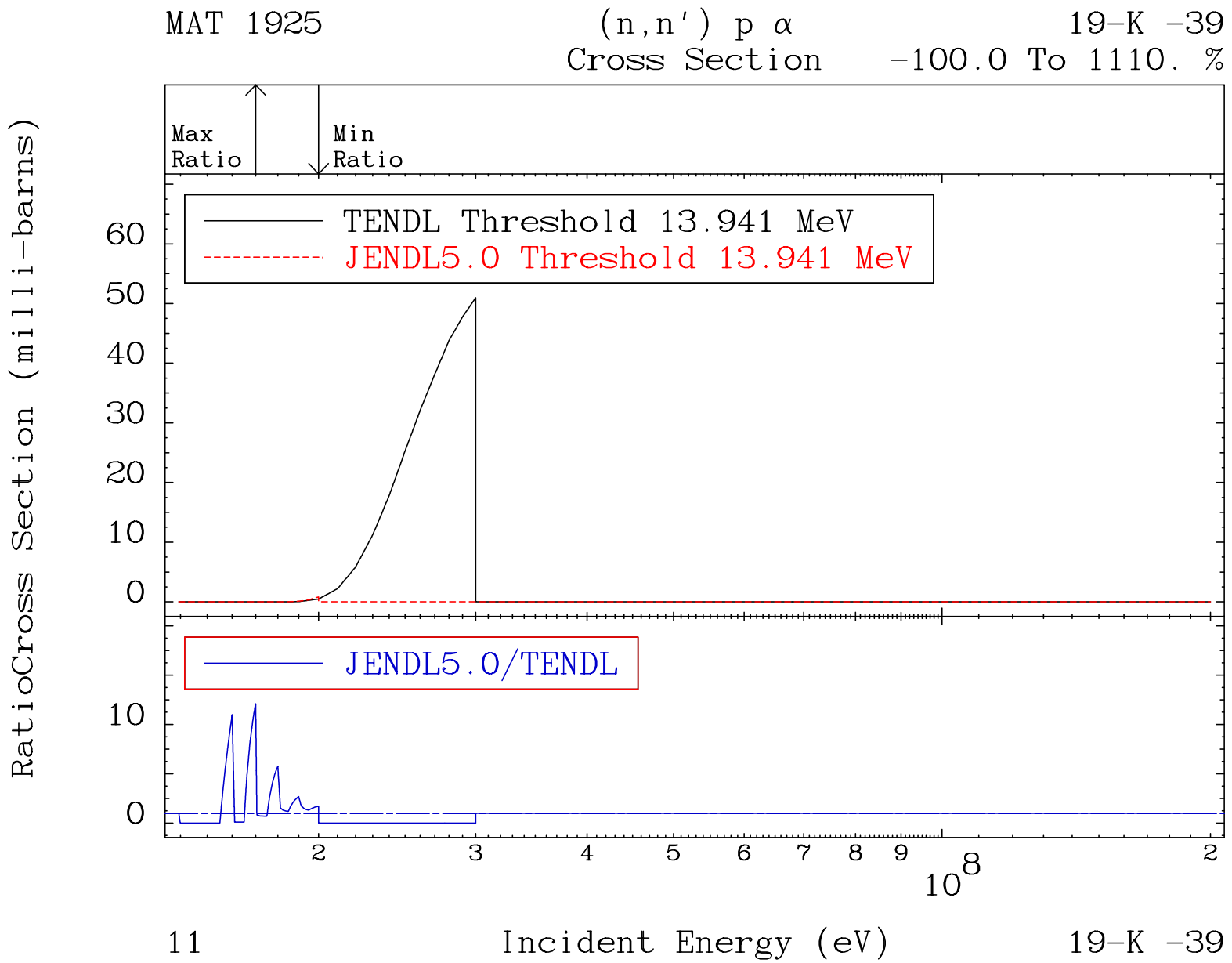

MAT 1925
(n,n') α
Cross Section
19-K -39
-100.0 To 42.77 %
Max Ratio
Min Ratio
TENDL Threshold 7.4054 MeV
JENDL5.0 Threshold 7.4054 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.0
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
6
Incident Energy (eV)
19-K -39

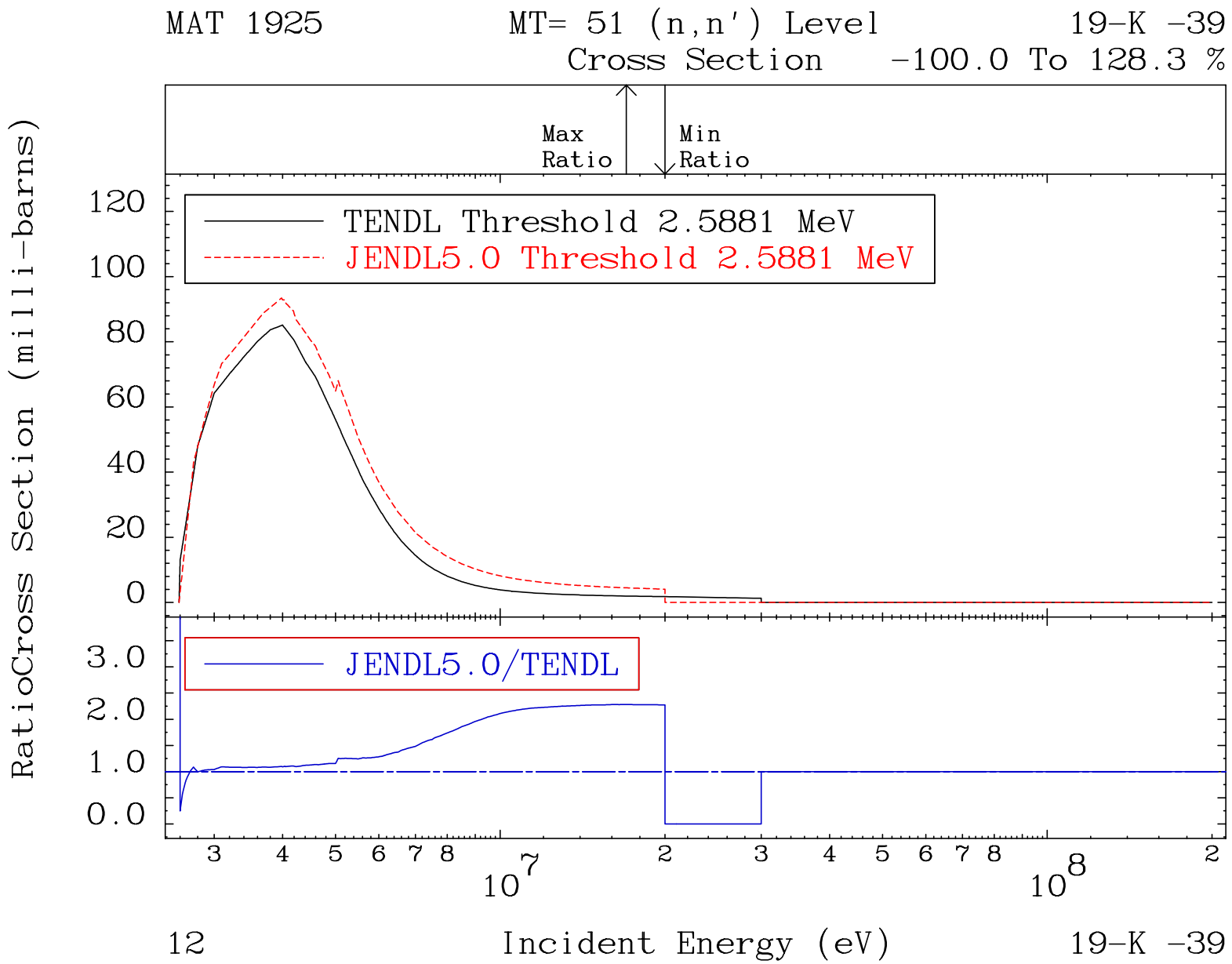

MAT 1925
(n,n') p
Cross Section
19-K -39
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.5465 MeV
JENDL5.0 Threshold 6.5465 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
700
600
500
400
300
200
100
0
10
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
7
Incident Energy (eV)
19-K -39

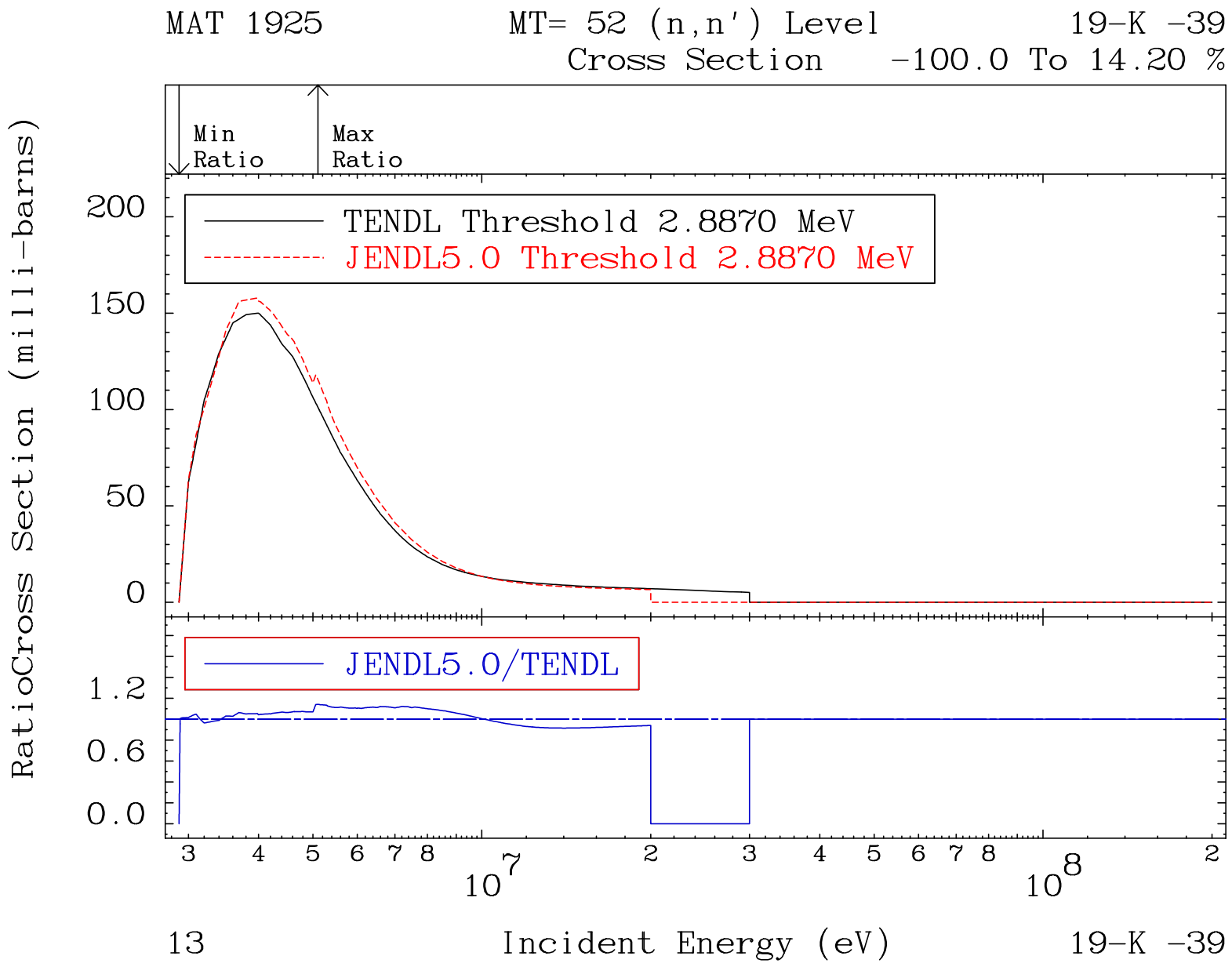

MAT 1925
(n,n') d
Cross Section
19-K -39
-100.0 To 93.19 %
Max
Ratio
TENDL Threshold 16.409 MeV
JENDL5.0 Threshold 16.409 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
3.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
19-K -39

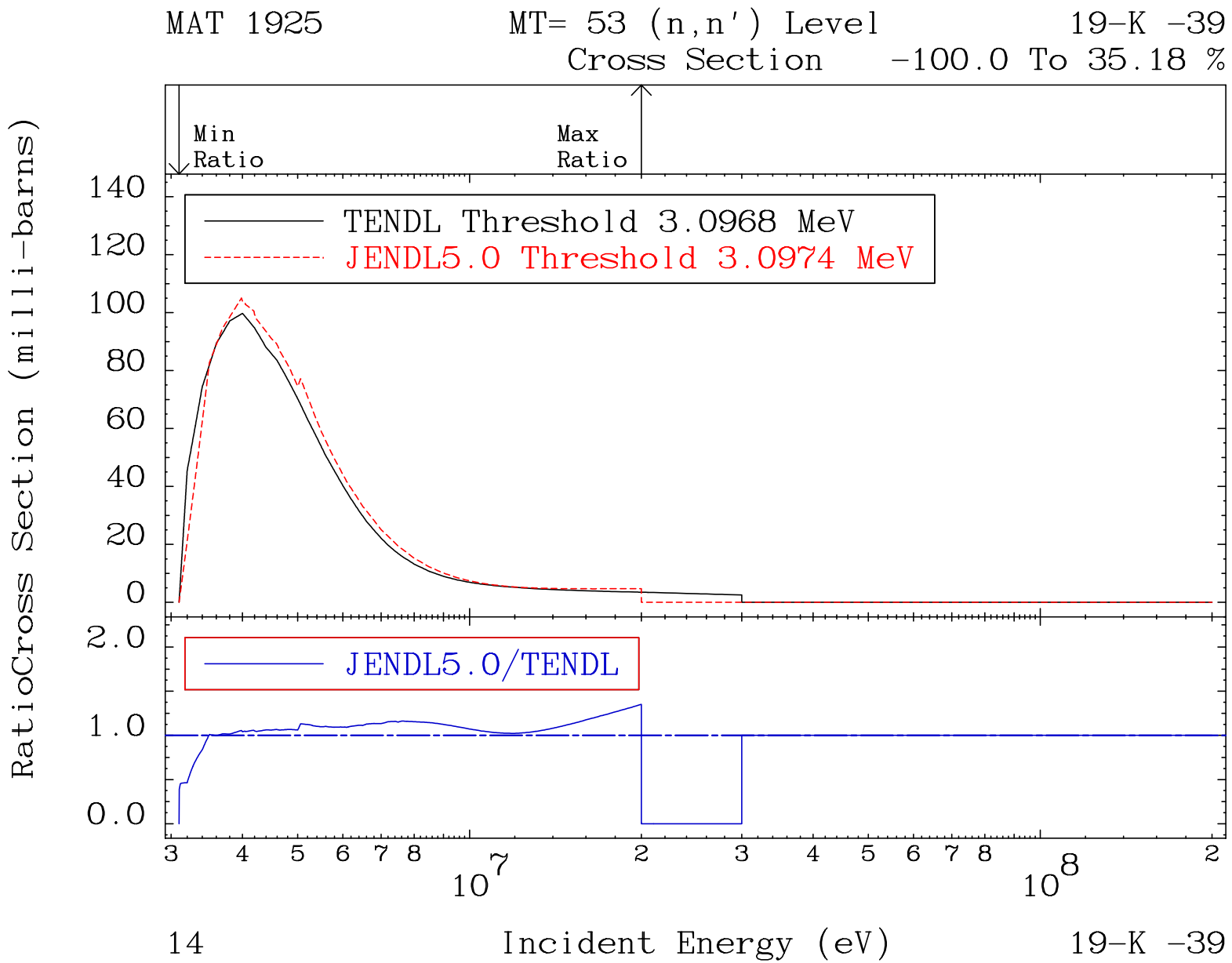

MAT 1925
(n,2n) p
Cross Section
19-K -39
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 18.691 MeV
JENDL5.0 Threshold 18.691 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
10
0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
19-K -39

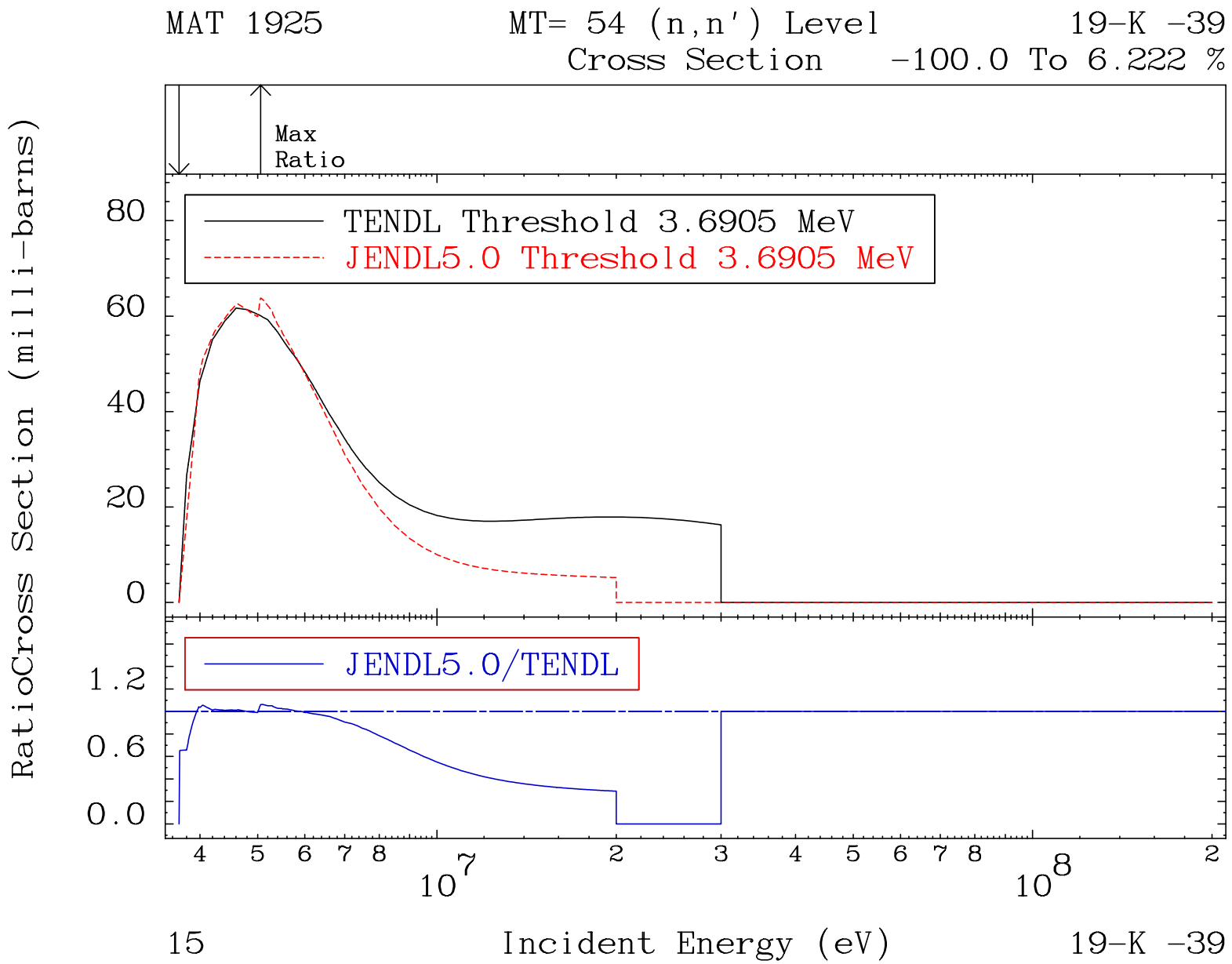

MAT 1925
(n,2n) p
Cross Section
19-K -39
-100.0 To 78.76 %
Max
Ratio
TENDL Threshold 17.054 MeV
JENDL5.0 Threshold 17.054 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
19-K -39

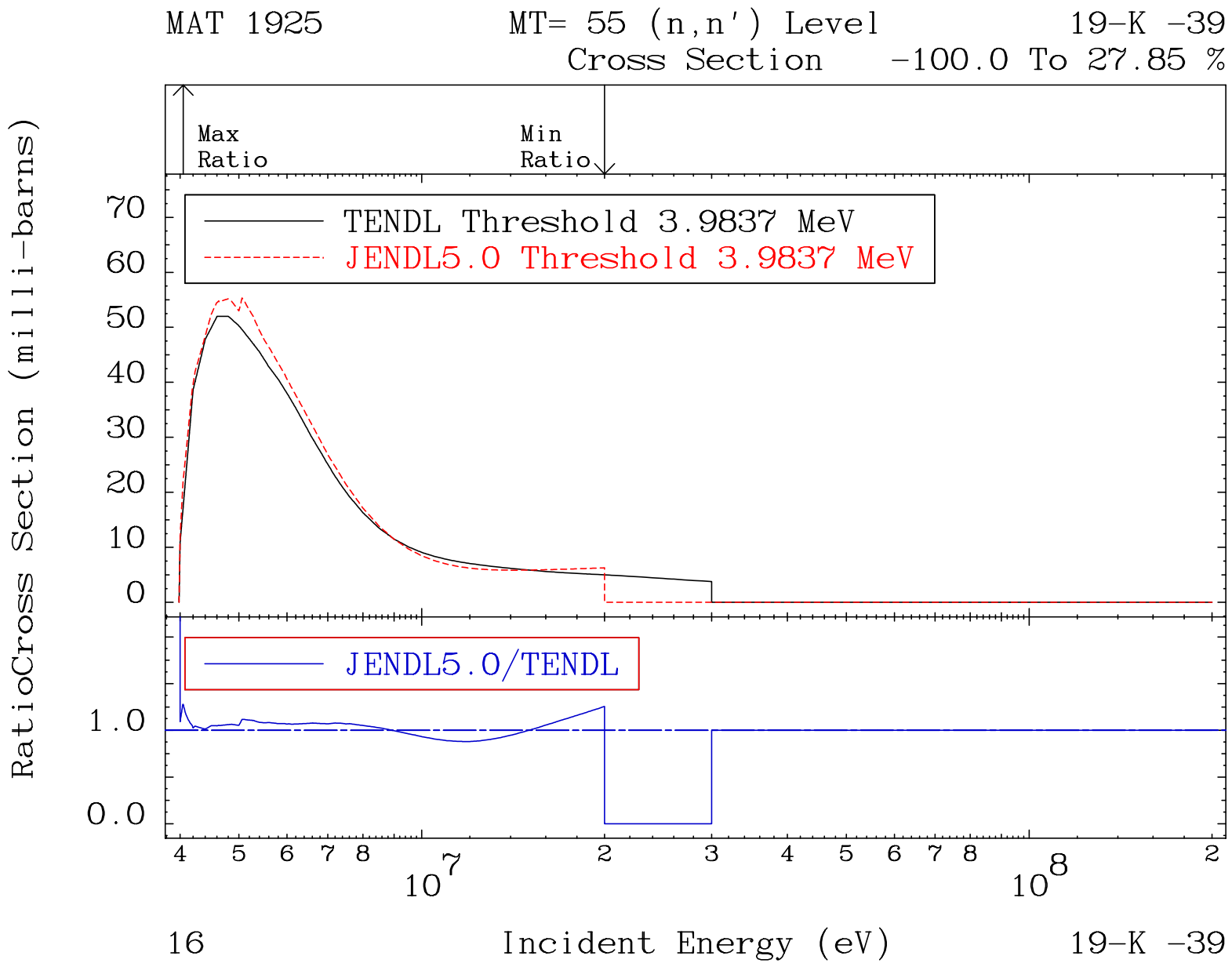

MAT 1925
(n,n') p α
19-K -39
Cross Section
-100.0 To 1110. %
Max Ratio
Min Ratio
TENDL Threshold 13.941 MeV
JENDL5.0 Threshold 13.941 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
10
0
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
19-K -39

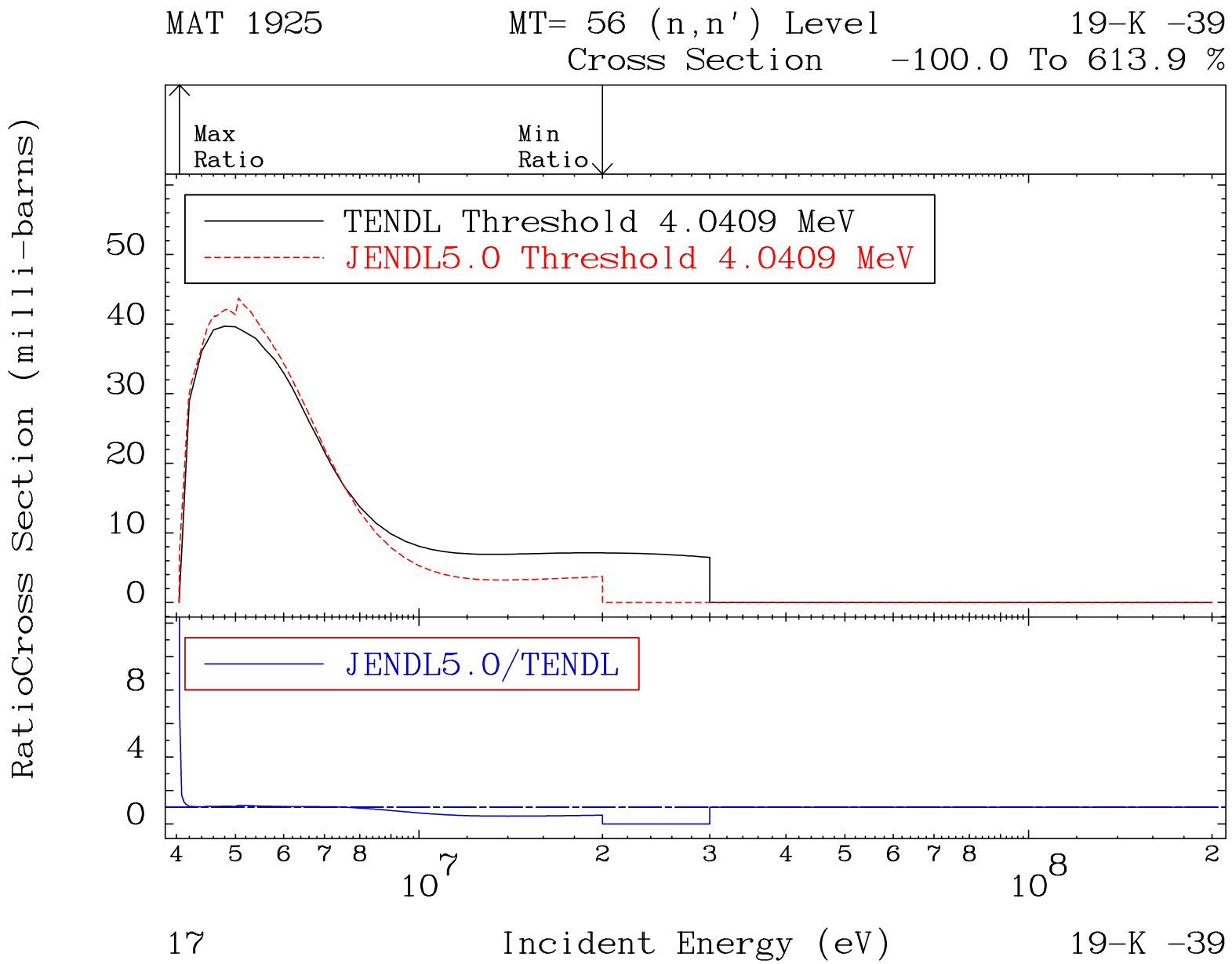

MAT 1925
MT= 51 (n,n') Level
19-K -39
Cross Section -100.0 To 128.3 %
Max Ratio
Min Ratio
TENDL Threshold 2.5881 MeV
JENDL5.0 Threshold 2.5881 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
12
Incident Energy (eV)
19-K -39

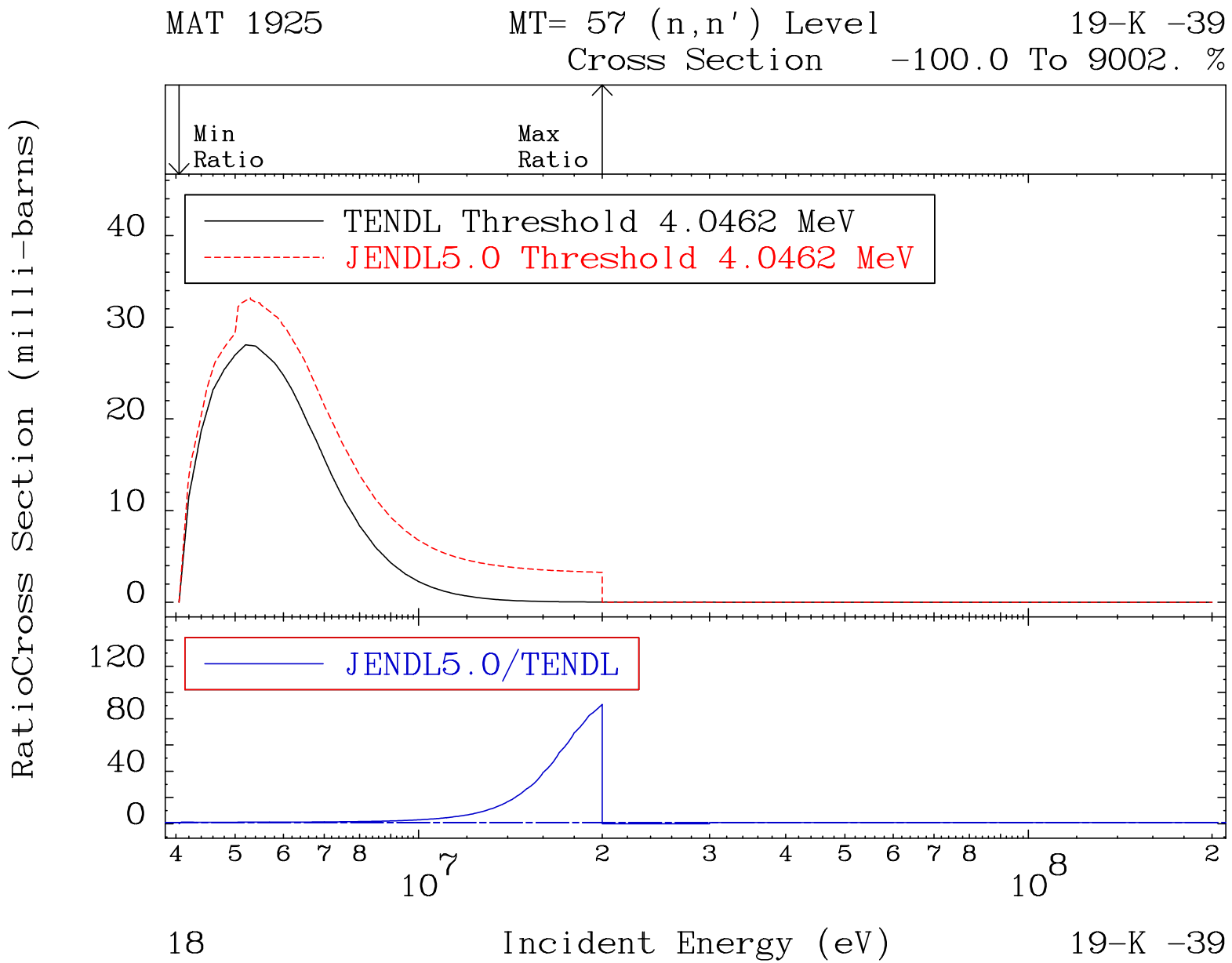

MAT 1925
MT= 52 (n,n') Level
19-K -39
Cross Section -100.0 To 14.20 %
Min Ratio
Max Ratio
TENDL Threshold 2.8870 MeV
JENDL5.0 Threshold 2.8870 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
13
Incident Energy (eV)
19-K -39

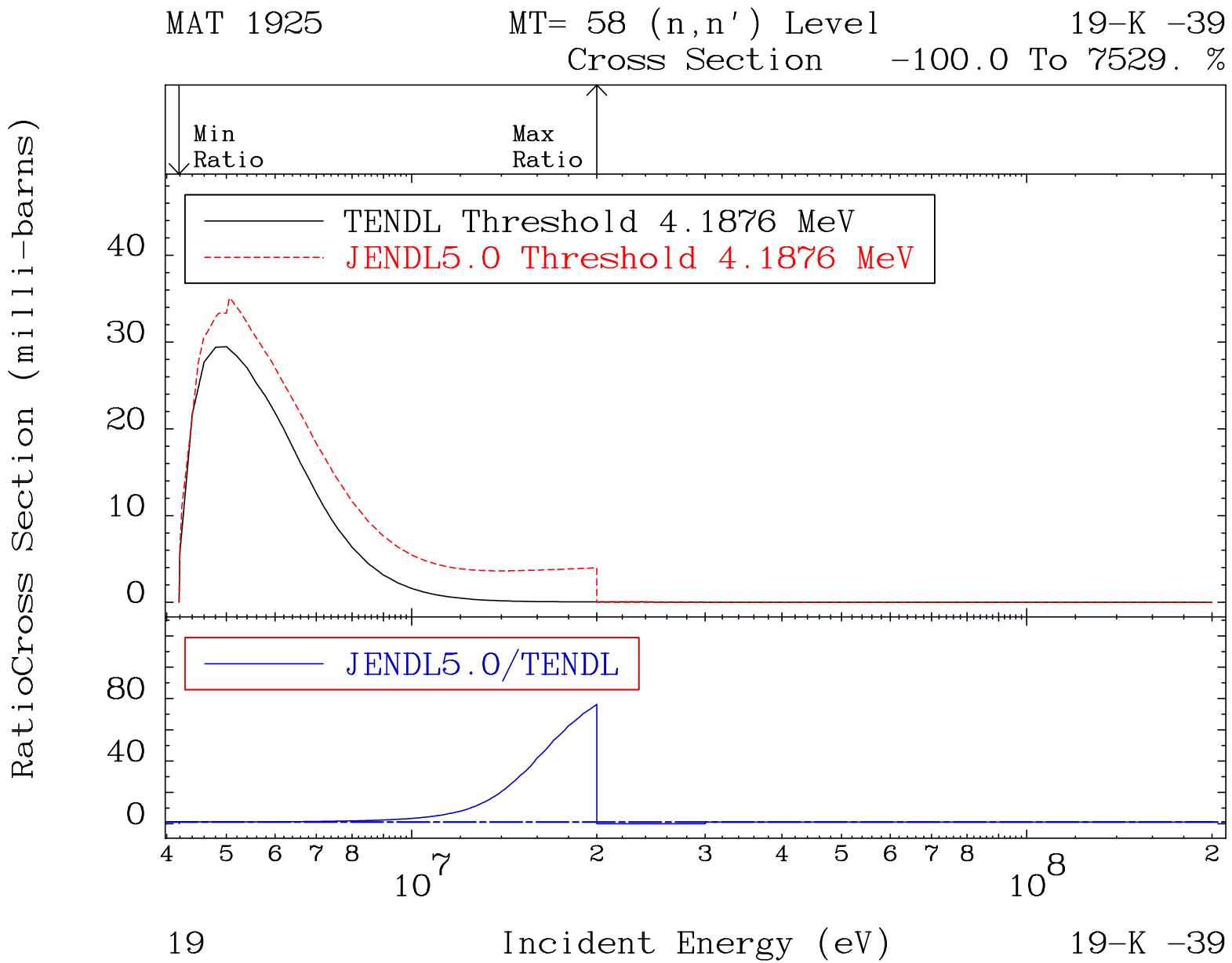

MAT 1925
MT= 53 (n,n') Level
19-K -39
Cross Section -100.0 To 35.18 %
Min Ratio
Max Ratio
TENDL Threshold 3.0968 MeV
JENDL5.0 Threshold 3.0974 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
14
Incident Energy (eV)
19-K -39

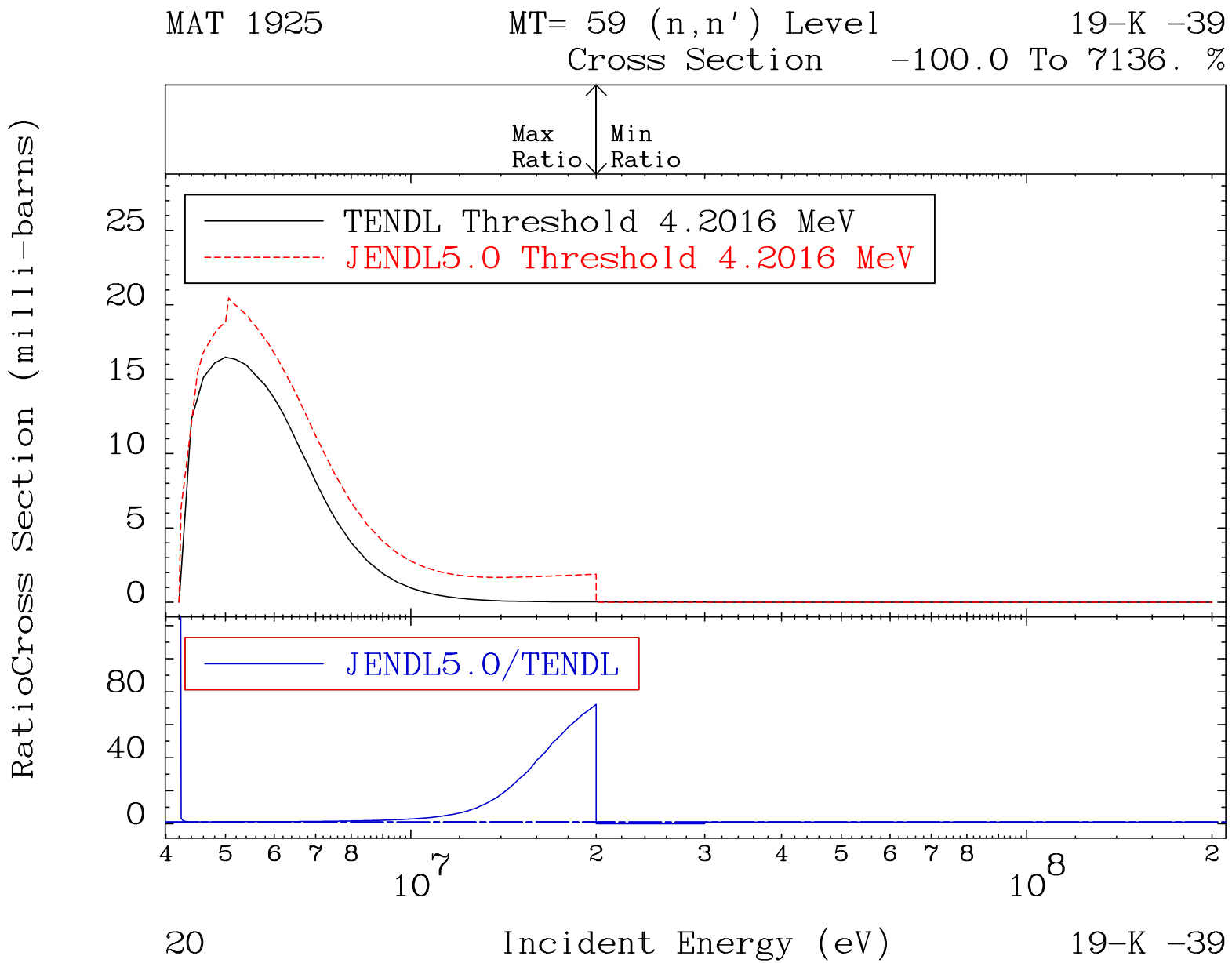

MAT 1925
MT= 54 (n,n') Level
19-K -39
Cross Section -100.0 To 6.222 %
Max
Ratio
TENDL Threshold 3.6905 MeV
JENDL5.0 Threshold 3.6905 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
19-K -39

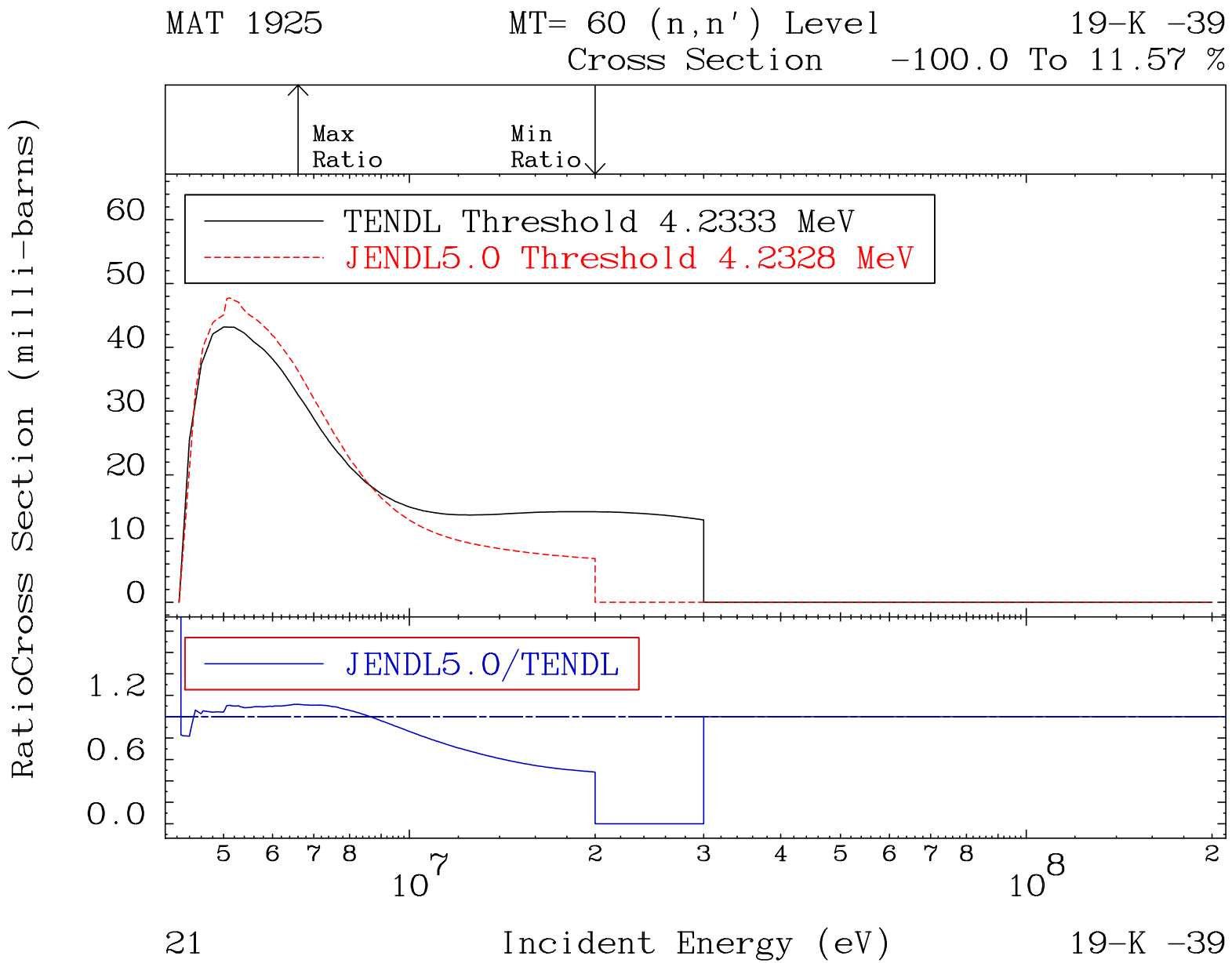

MAT 1925
MT= 55 (n,n') Level
19-K -39
Cross Section -100.0 To 27.85 %
Max Ratio
Min Ratio
TENDL Threshold 3.9837 MeV
JENDL5.0 Threshold 3.9837 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
1.0
0.0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
16
Incident Energy (eV)
19-K -39

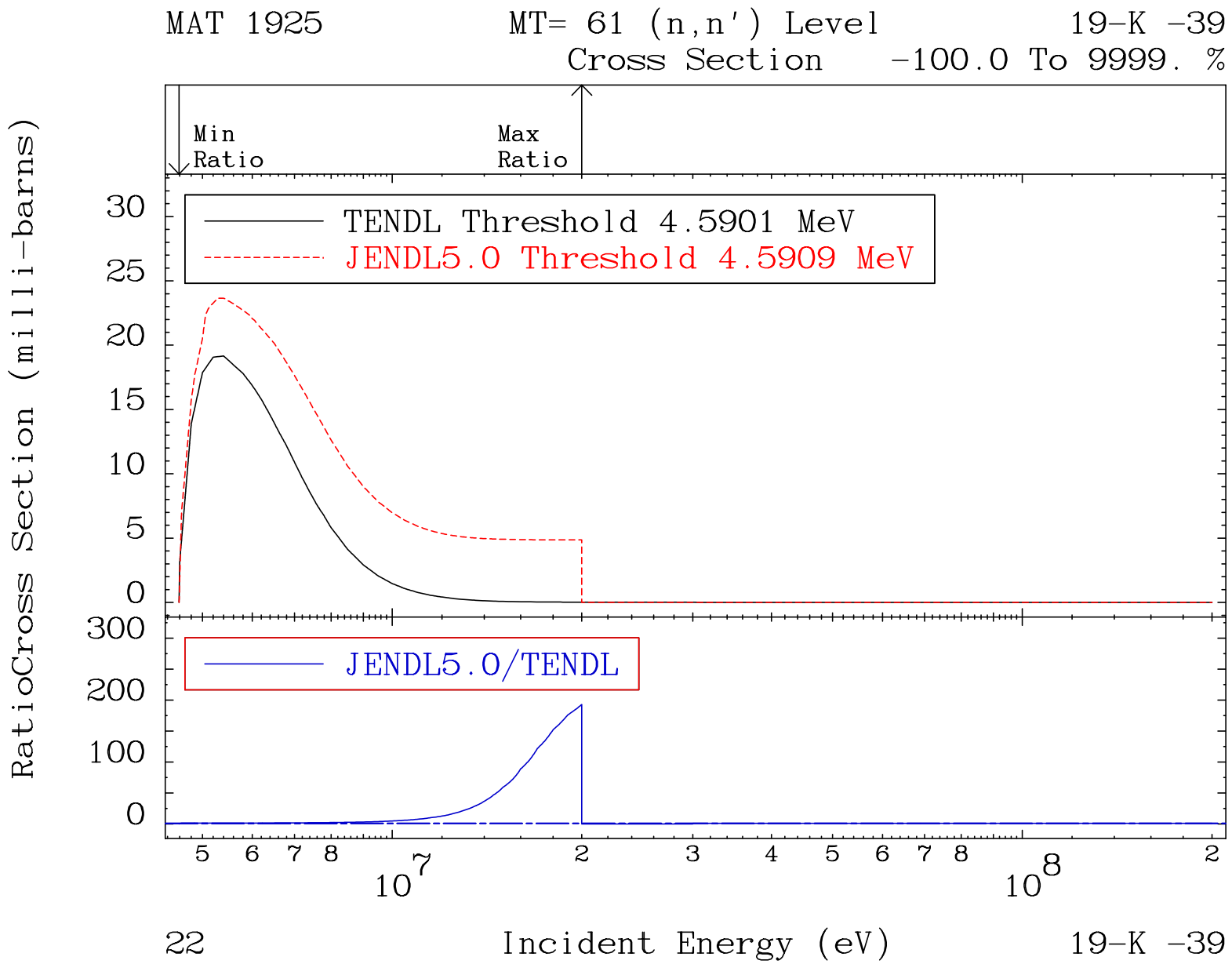

MAT 1925
MT= 56 (n,n') Level
19-K -39
Cross Section -100.0 To 613.9 %
Max Ratio
Min Ratio
TENDL Threshold 4.0409 MeV
JENDL5.0 Threshold 4.0409 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
8
4
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
17
Incident Energy (eV)
19-K -39

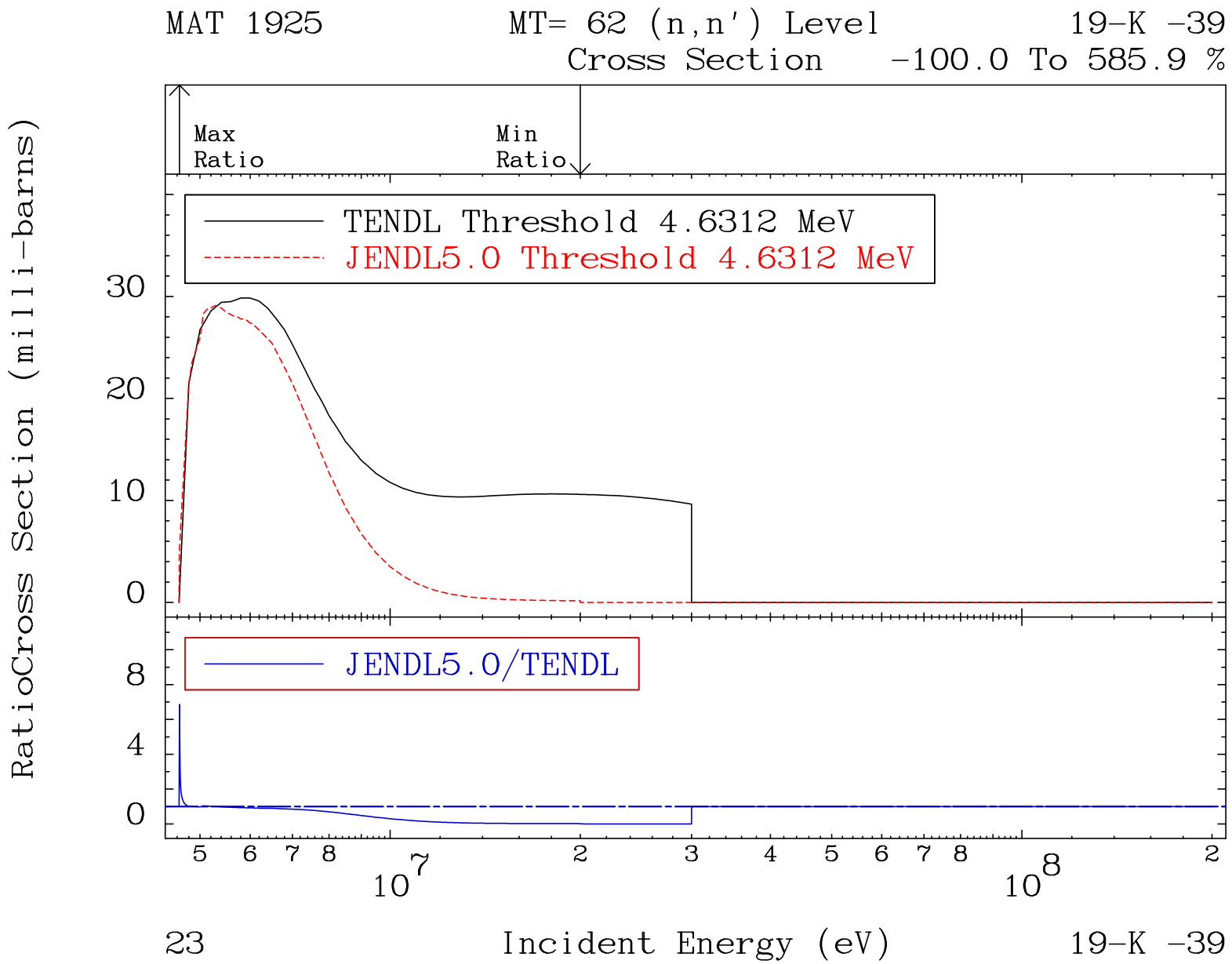

MAT 1925
MT= 57 (n,n') Level
19-K -39
Cross Section -100.0 To 9002. %
Min Ratio
Max Ratio
TENDL Threshold 4.0462 MeV
JENDL5.0 Threshold 4.0462 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
120
80
40
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
19-K -39

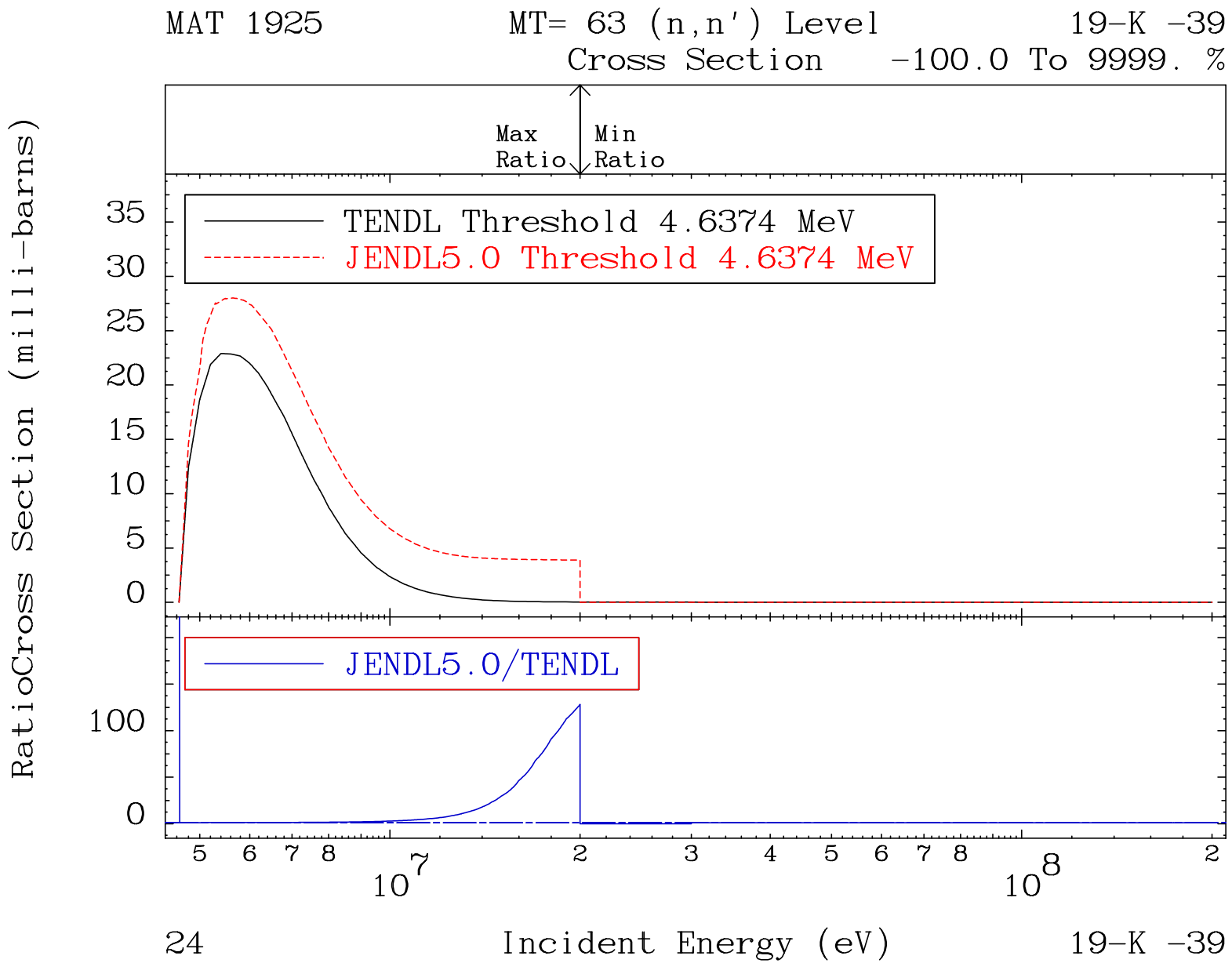

MAT 1925
MT= 58 (n,n') Level
19-K -39
Cross Section -100.0 To 7529. %
Min Ratio
Max Ratio
TENDL Threshold 4.1876 MeV
JENDL5.0 Threshold 4.1876 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
80
40
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
19
Incident Energy (eV)
19-K -39

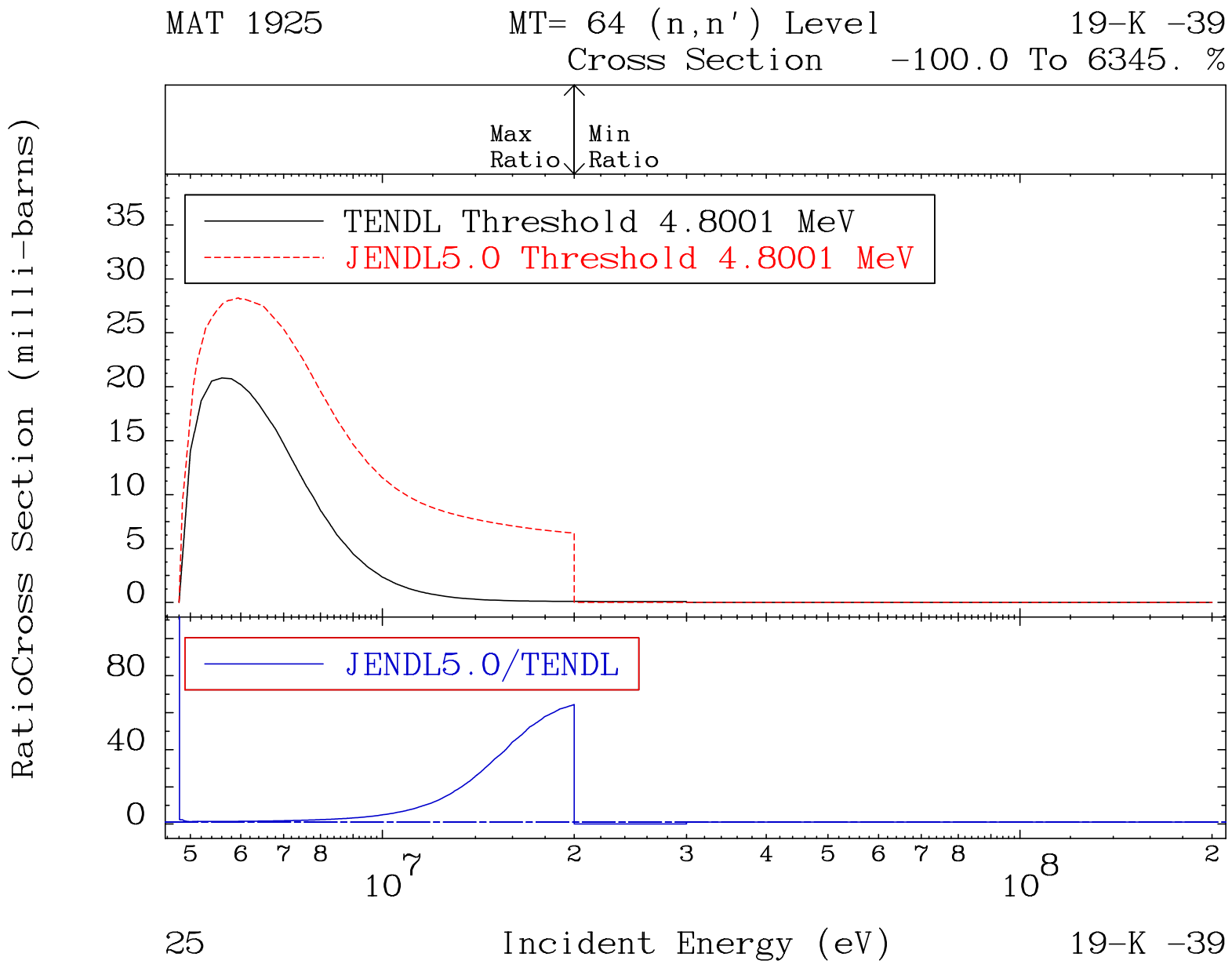

MAT 1925
MT= 59 (n,n') Level
19-K -39
Cross Section -100.0 To 7136. %
Max Ratio
Min Ratio
TENDL Threshold 4.2016 MeV
JENDL5.0 Threshold 4.2016 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
20
19-K -39

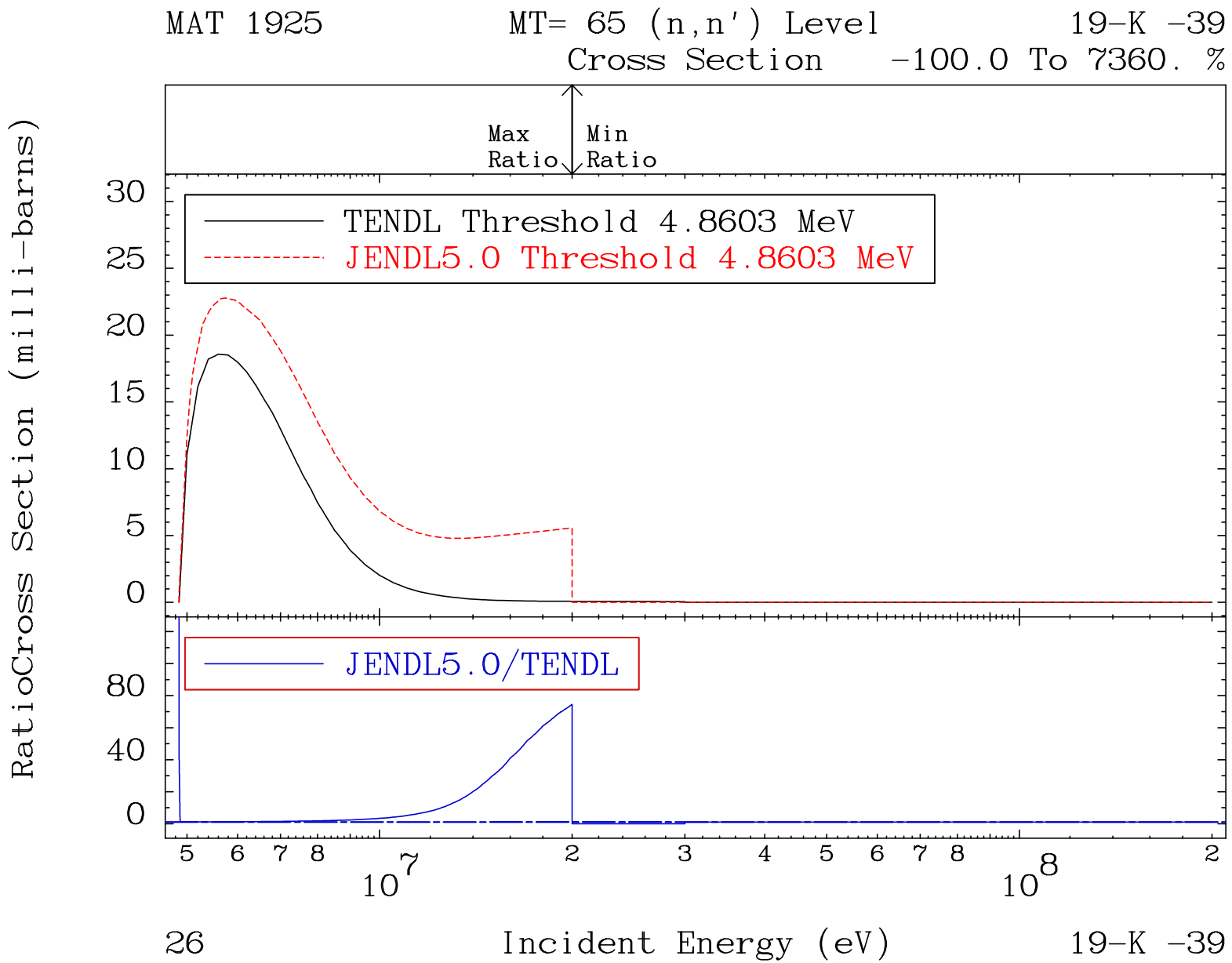

MAT 1925
MT= 60 (n,n') Level
19-K -39
Cross Section -100.0 To 11.57 %
Max Ratio
Min Ratio
TENDL Threshold 4.2333 MeV
JENDL5.0 Threshold 4.2328 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.6
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
19-K -39

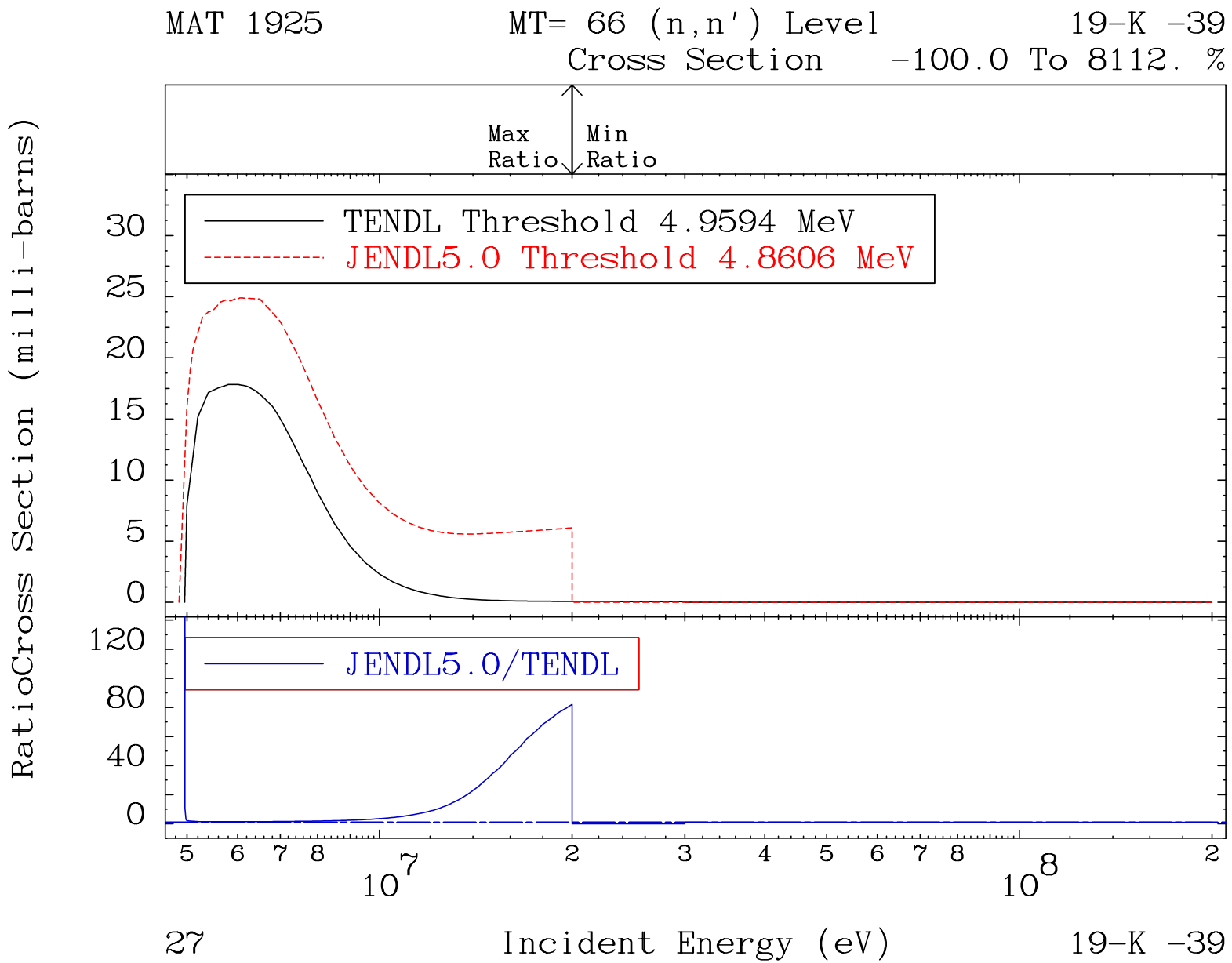

MAT 1925
MT= 61 (n,n') Level
19-K -39
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.5901 MeV
JENDL5.0 Threshold 4.5909 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
300
200
100
0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
19-K -39

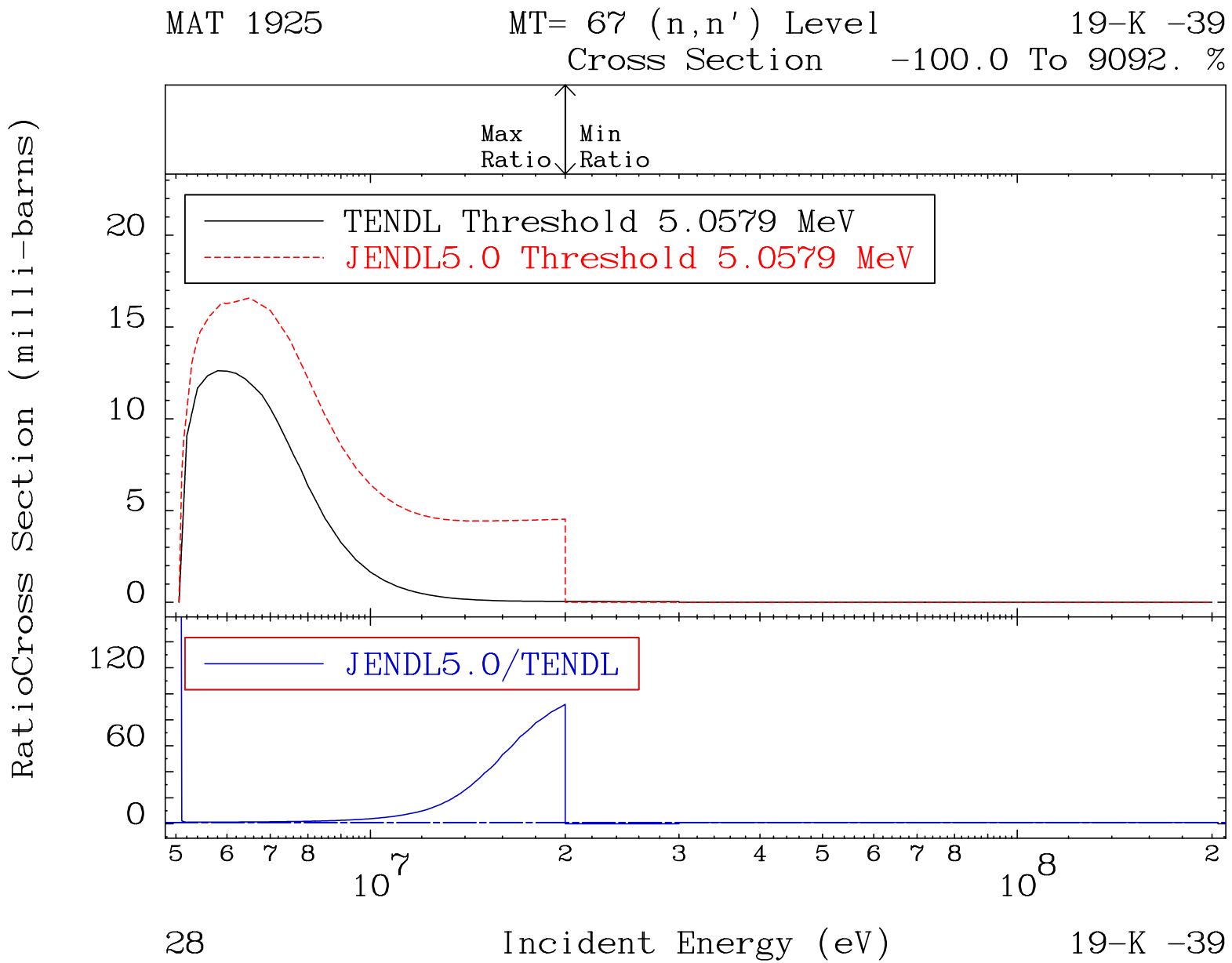

MAT 1925
MT= 62 (n,n') Level
19-K -39
Cross Section -100.0 To 585.9 %
Max Ratio
Min Ratio
TENDL Threshold 4.6312 MeV
JENDL5.0 Threshold 4.6312 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
20
10
0
8
4
0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
19-K -39

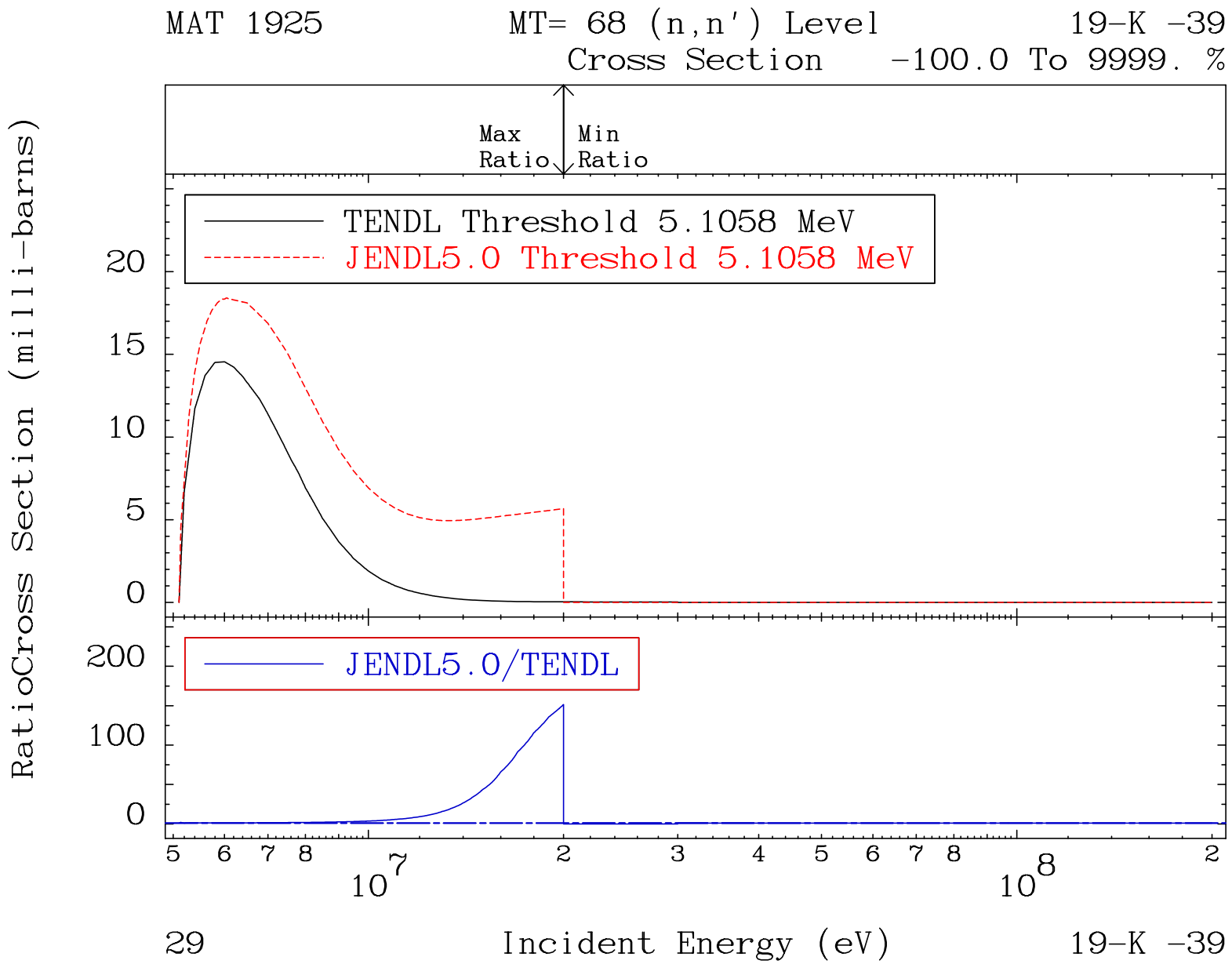

MAT 1925
MT= 63 (n,n') Level
19-K -39
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.6374 MeV
JENDL5.0 Threshold 4.6374 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
100
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
19-K -39

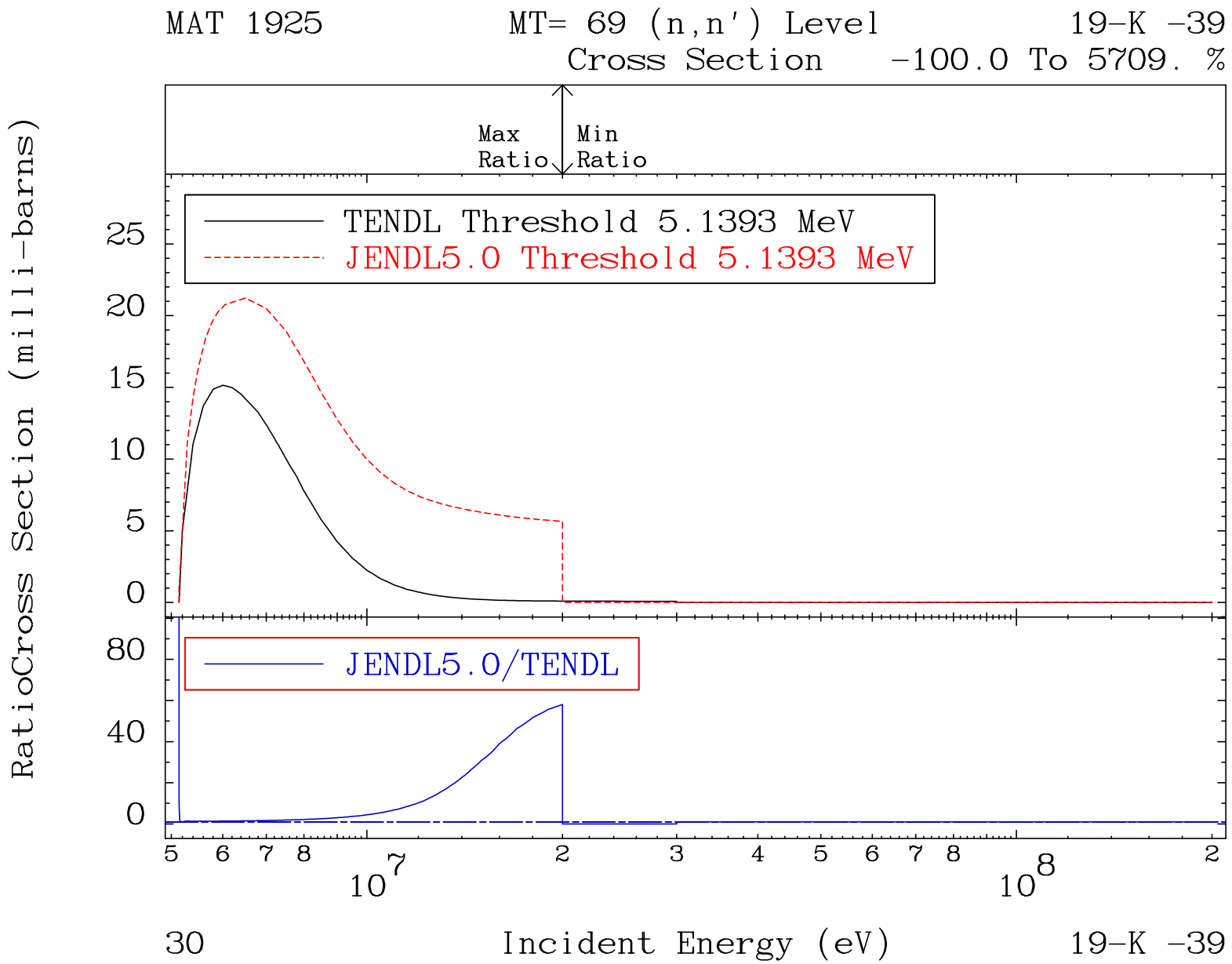

MAT 1925
MT= 64 (n,n') Level
19-K -39
Cross Section -100.0 To 6345. %
Max Ratio
Min Ratio
TENDL Threshold 4.8001 MeV
JENDL5.0 Threshold 4.8001 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
80
40
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
19-K -39

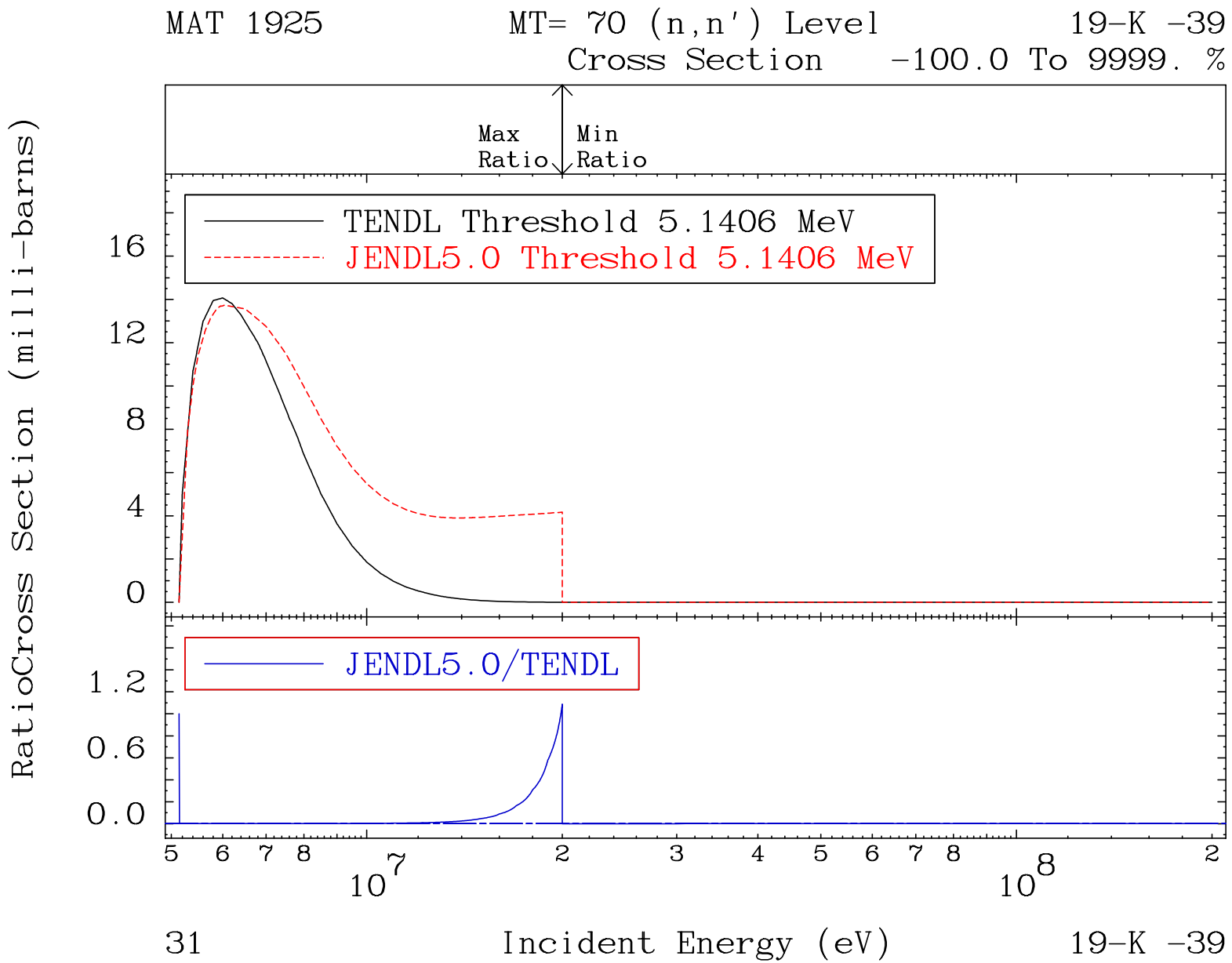

MAT 1925
MT= 65 (n,n') Level
19-K -39
Cross Section -100.0 To 7360. %
Max Ratio
Min Ratio
TENDL Threshold 4.8603 MeV
JENDL5.0 Threshold 4.8603 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
80
40
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
19-K -39

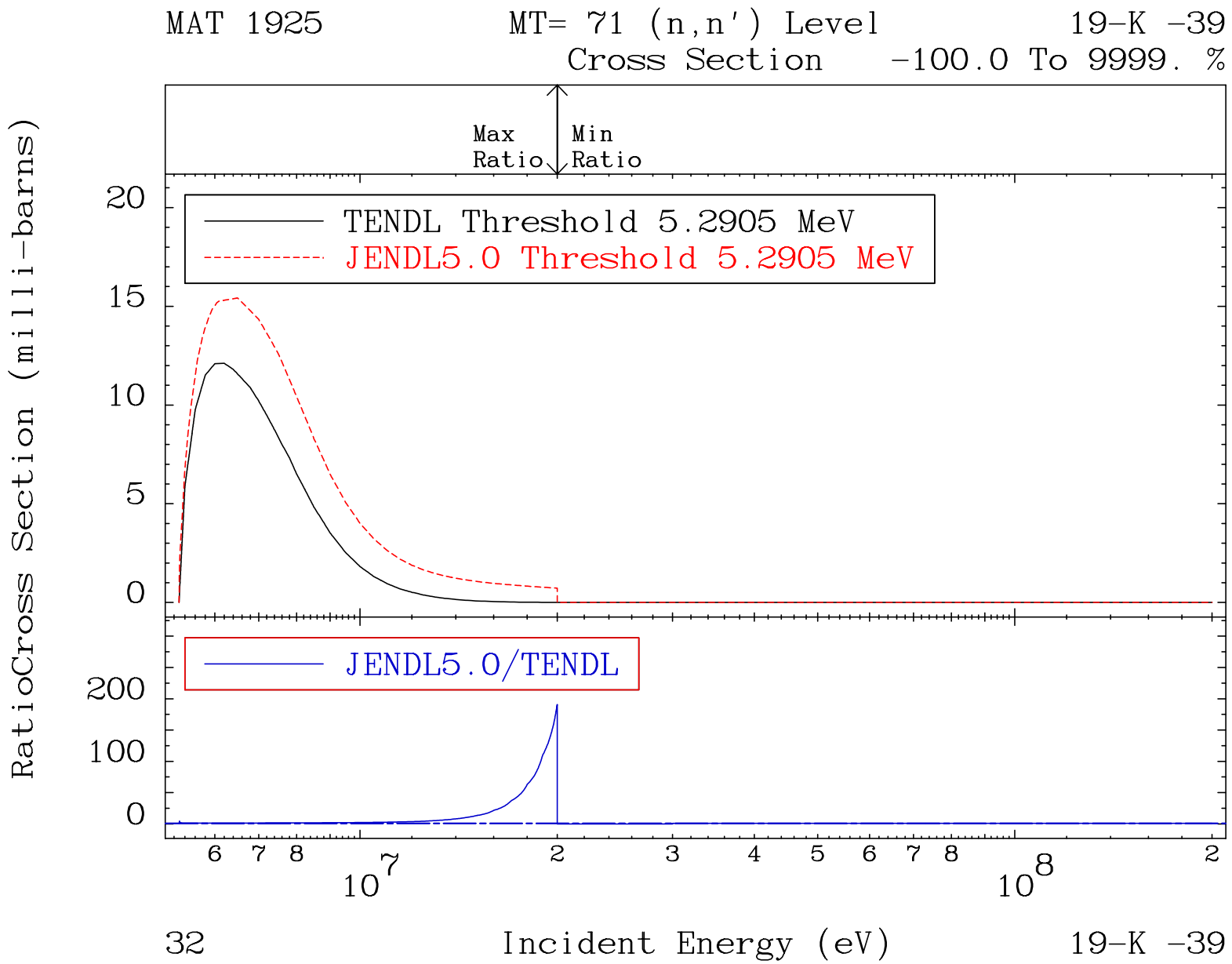

MAT 1925
MT= 66 (n,n') Level
19-K -39
Cross Section -100.0 To 8112. %
Max Ratio
Min Ratio
TENDL Threshold 4.9594 MeV
JENDL5.0 Threshold 4.8606 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
120
80
40
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
27
Incident Energy (eV)
19-K -39

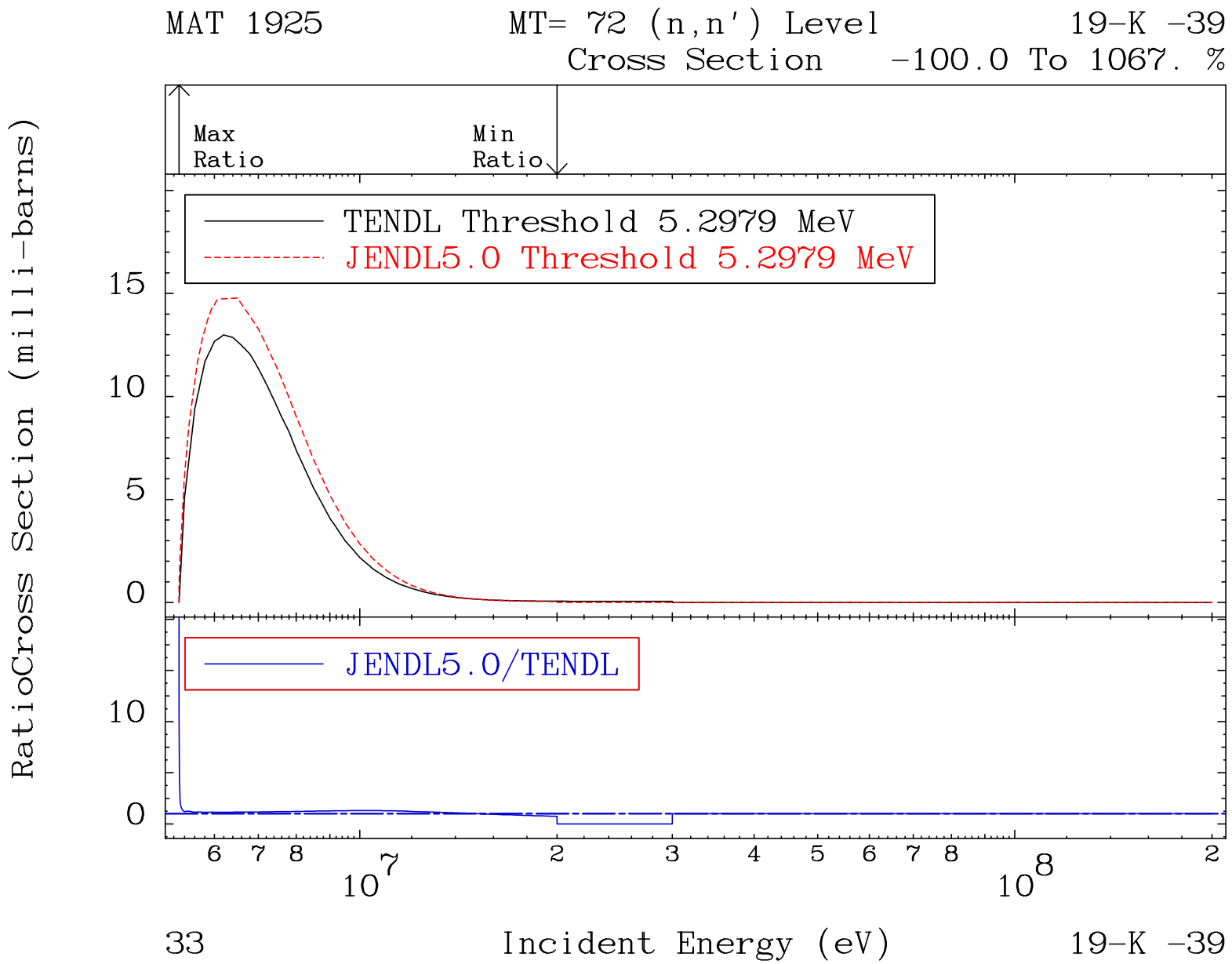

MAT 1925
MT= 67 (n,n') Level
19-K -39
Cross Section -100.0 To 9092. %
Max Ratio
Min Ratio
TENDL Threshold 5.0579 MeV
JENDL5.0 Threshold 5.0579 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
120
60
0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
19-K -39

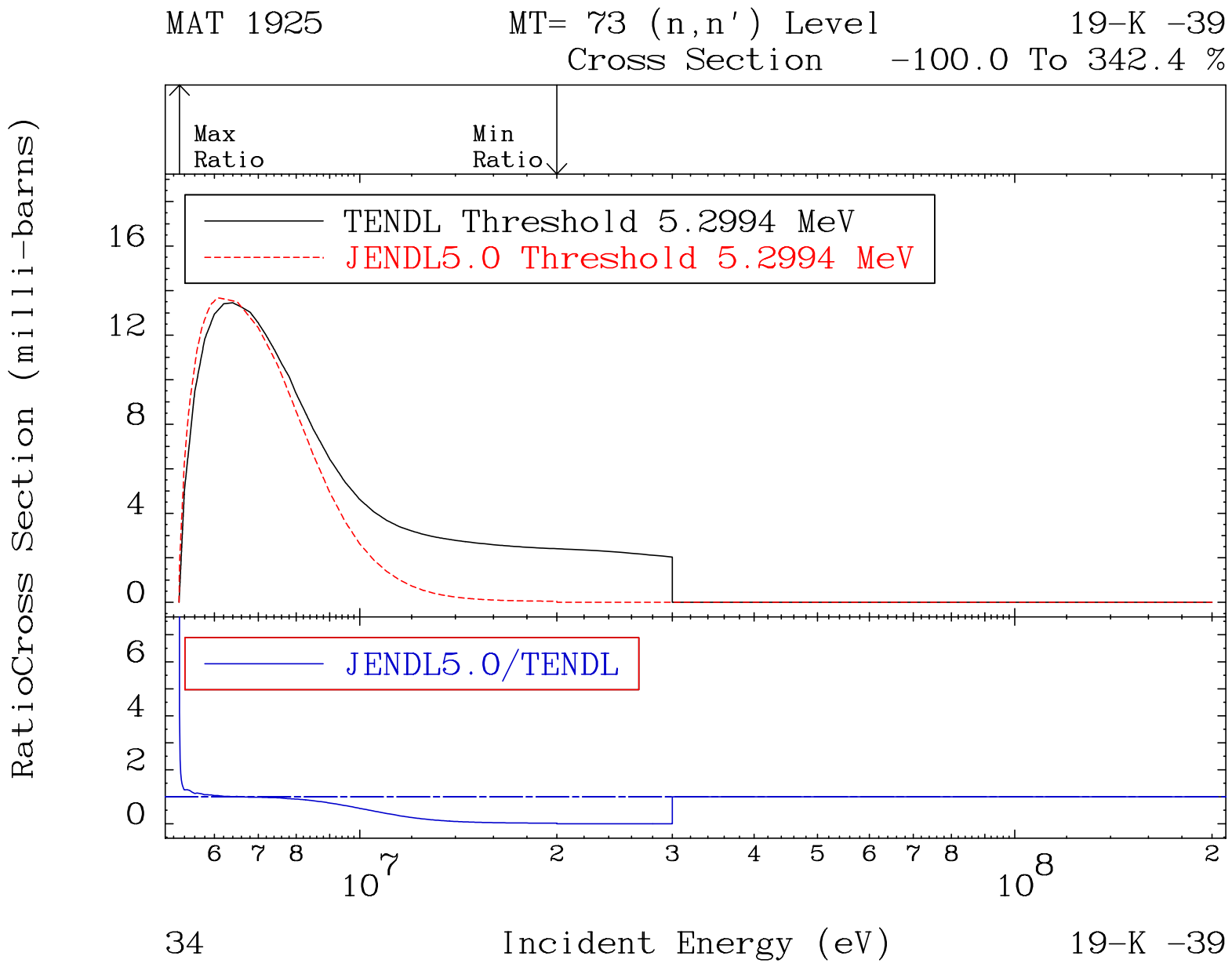

MAT 1925
MT= 68 (n,n') Level
19-K -39
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.1058 MeV
JENDL5.0 Threshold 5.1058 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
200
100
0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
29
Incident Energy (eV)
19-K -39

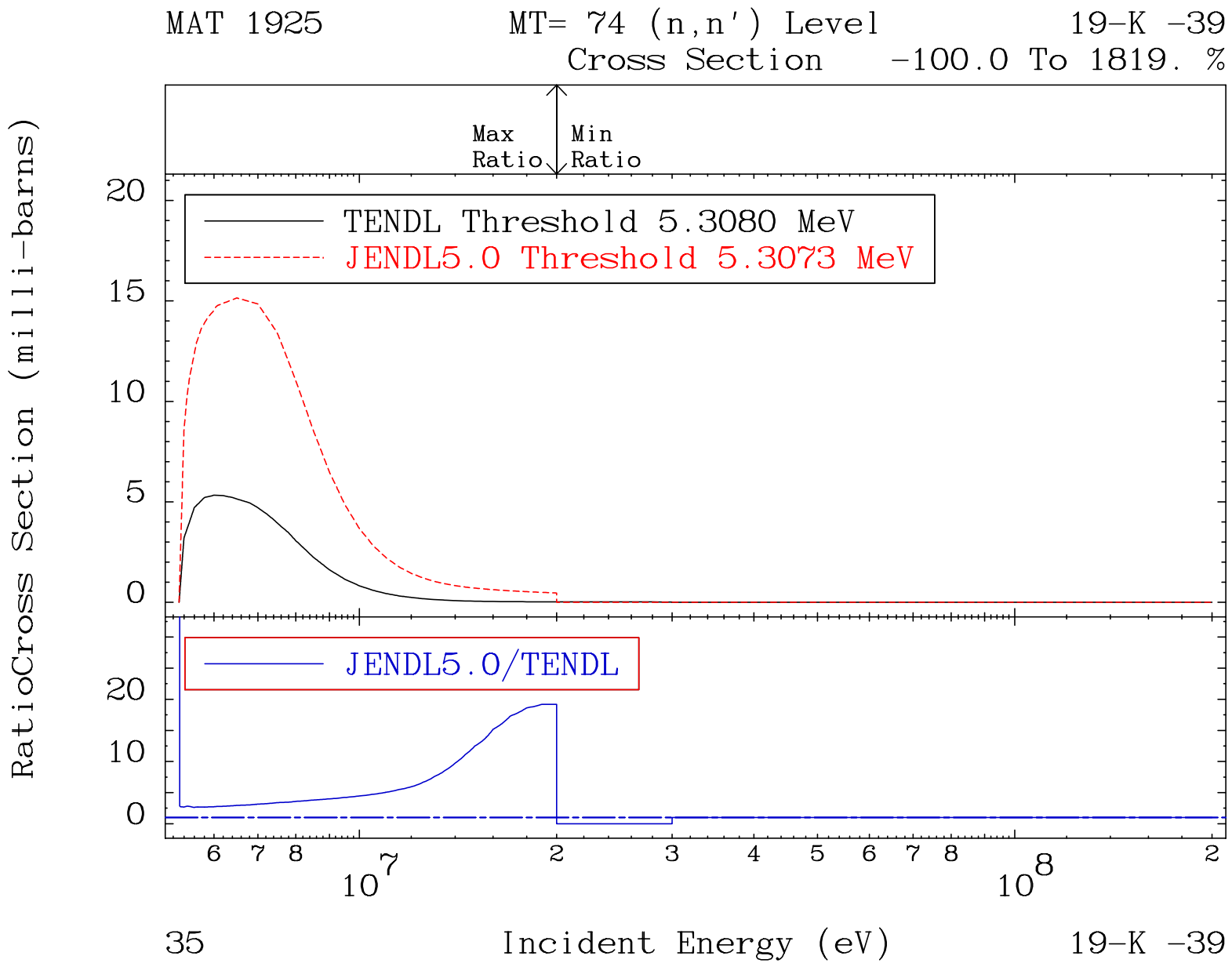

MAT 1925
MT= 69 (n,n') Level
19-K -39
Cross Section -100.0 To 5709. %
Max Ratio
Min Ratio
TENDL Threshold 5.1393 MeV
JENDL5.0 Threshold 5.1393 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
80
40
0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
30
Incident Energy (eV)
19-K -39

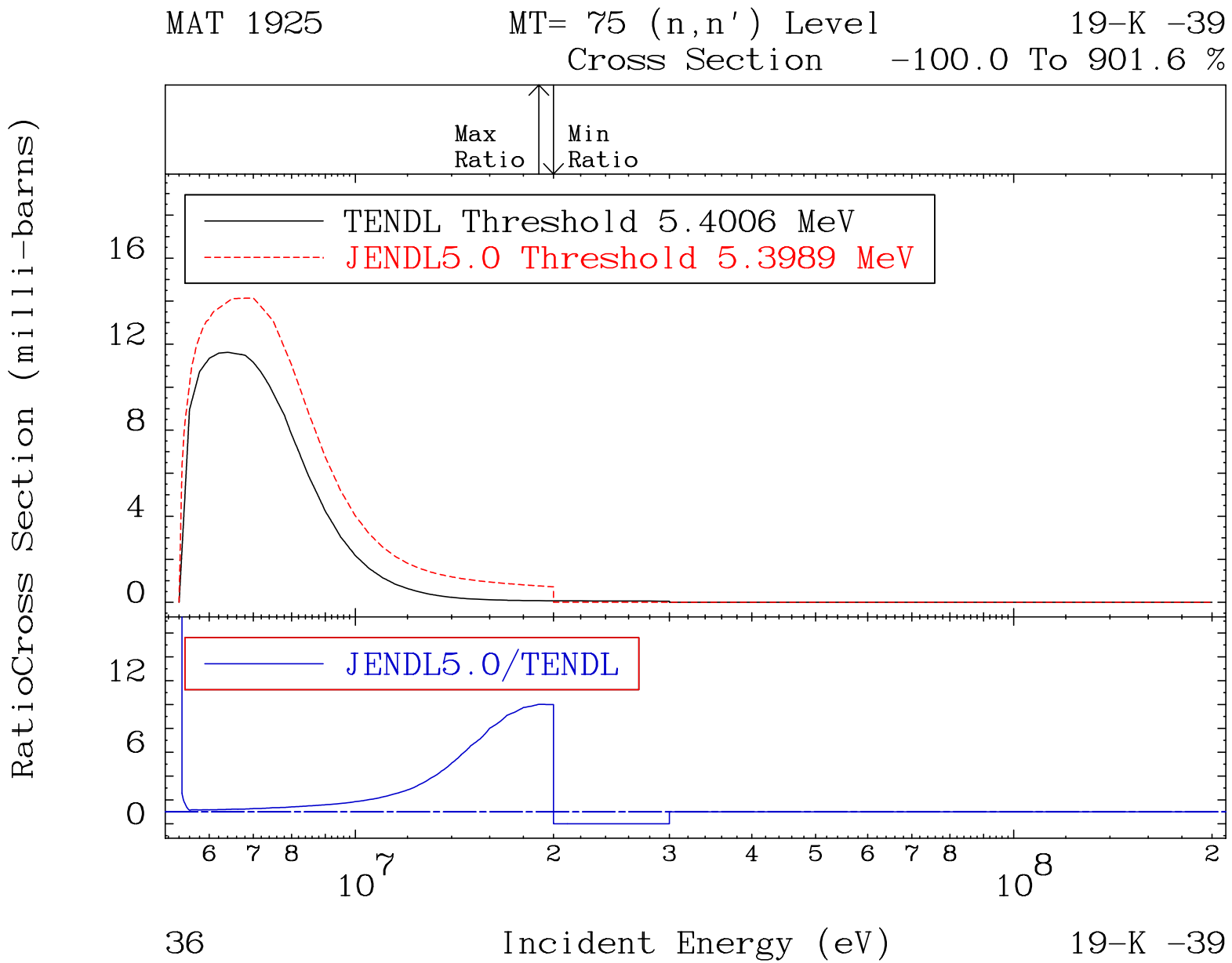

MAT 1925
MT= 70 (n,n') Level
19-K -39
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.1406 MeV
JENDL5.0 Threshold 5.1406 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
1.2
0.6
0.0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
19-K -39

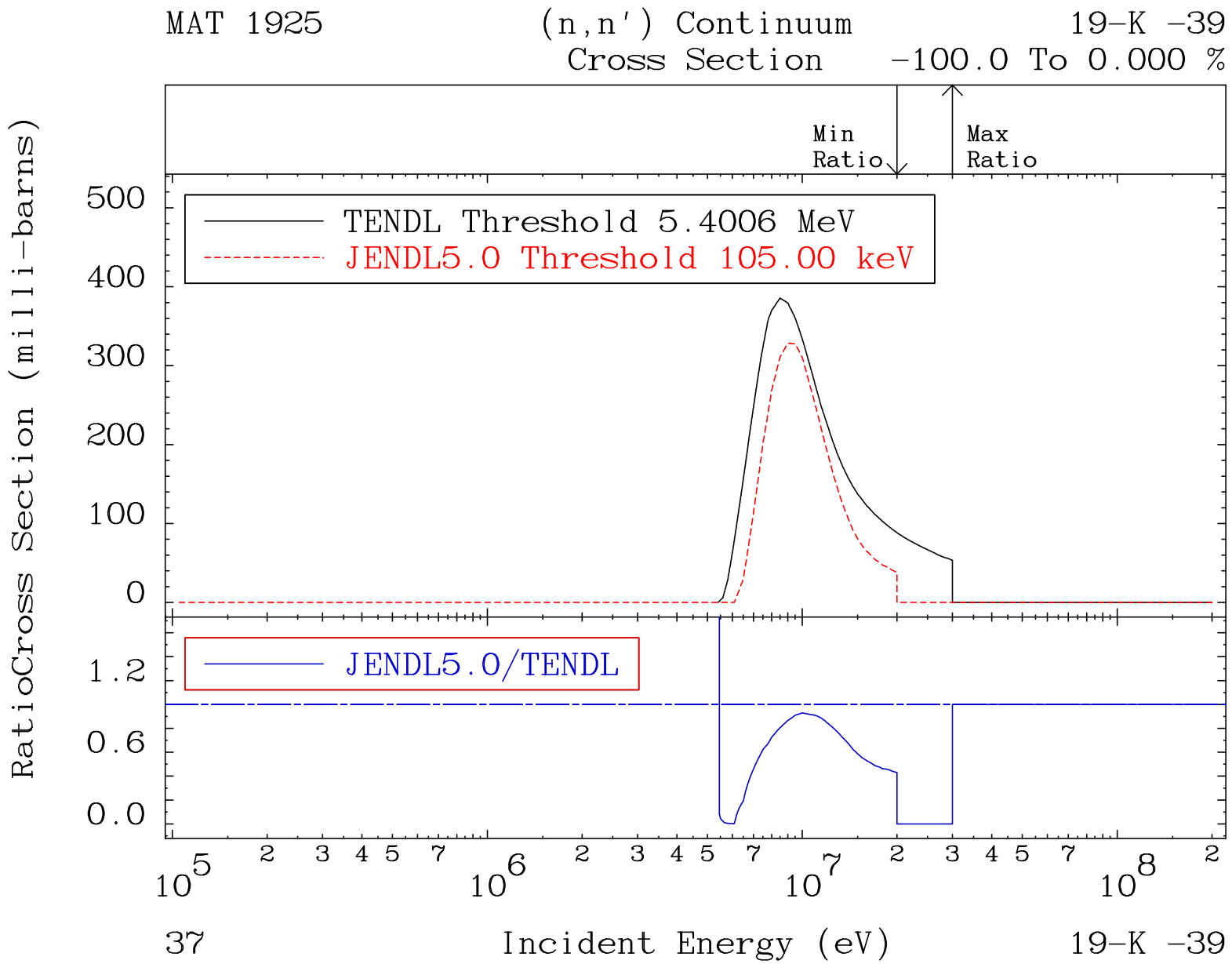

MAT 1925
MT= 71 (n,n') Level
19-K -39
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.2905 MeV
JENDL5.0 Threshold 5.2905 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
200
100
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
19-K -39

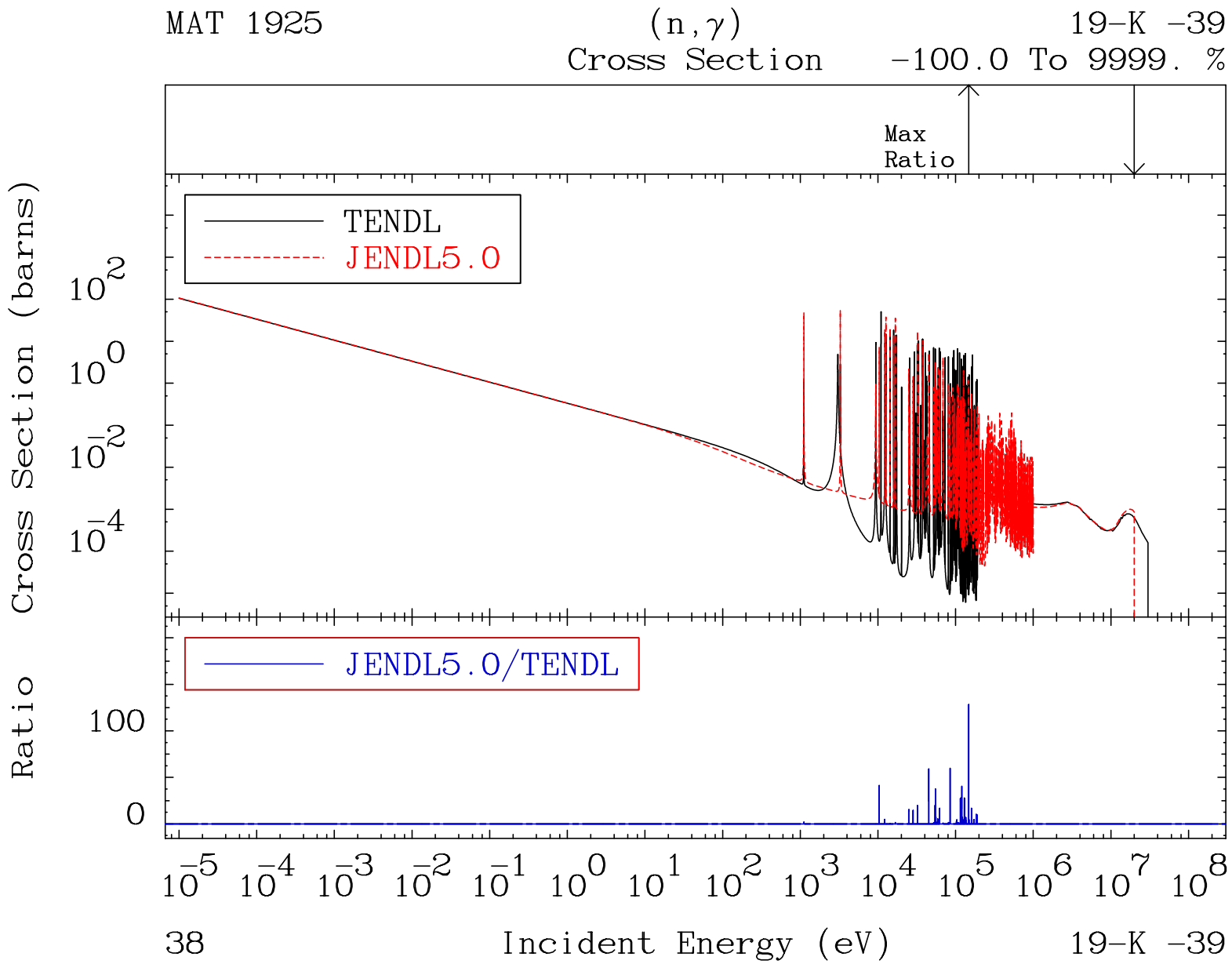

MAT 1925
MT= 72 (n,n') Level
19-K -39
Cross Section -100.0 To 1067. %
Max Ratio
Min Ratio
TENDL Threshold 5.2979 MeV
JENDL5.0 Threshold 5.2979 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
15
10
5
0
10
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
33
Incident Energy (eV)
19-K -39

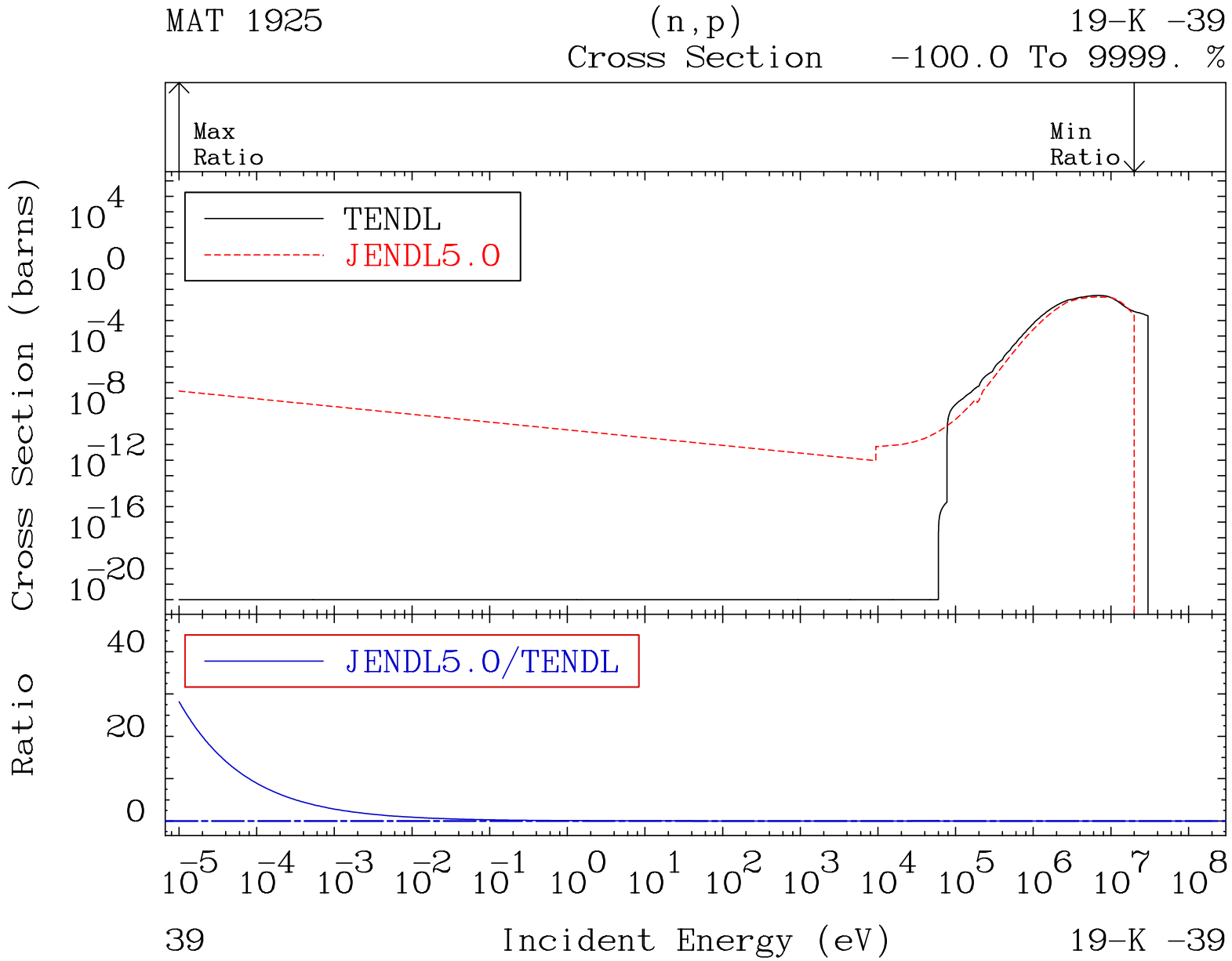

MAT 1925
MT= 73 (n,n') Level
19-K -39
Cross Section -100.0 To 342.4 %
Max Ratio
Min Ratio
TENDL Threshold 5.2994 MeV
JENDL5.0 Threshold 5.2994 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
6
4
2
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
19-K -39

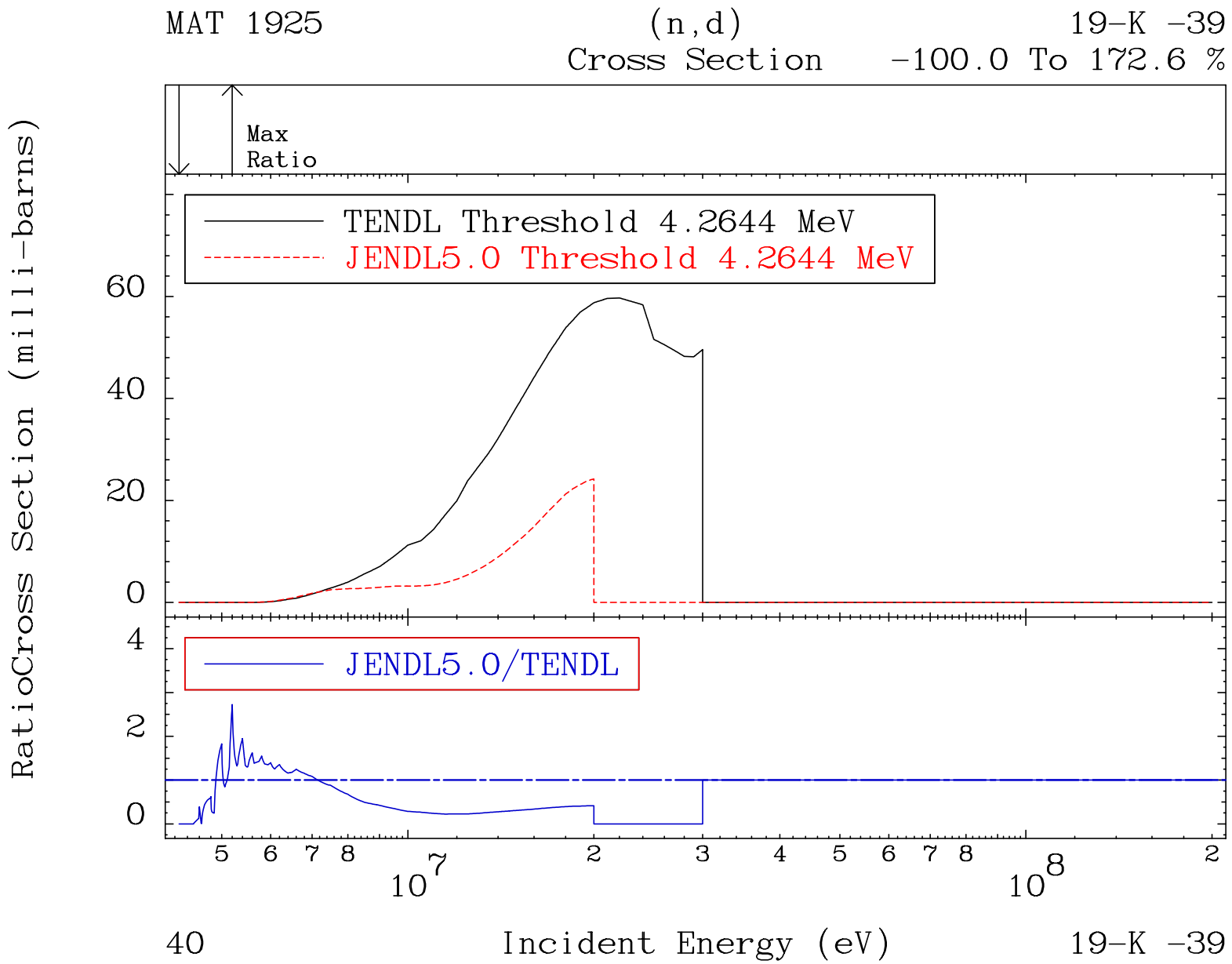

MAT 1925
MT= 74 (n,n') Level
19-K -39
Cross Section -100.0 To 1819. %
Max Ratio
Min Ratio
TENDL Threshold 5.3080 MeV
JENDL5.0 Threshold 5.3073 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
35
19-K -39

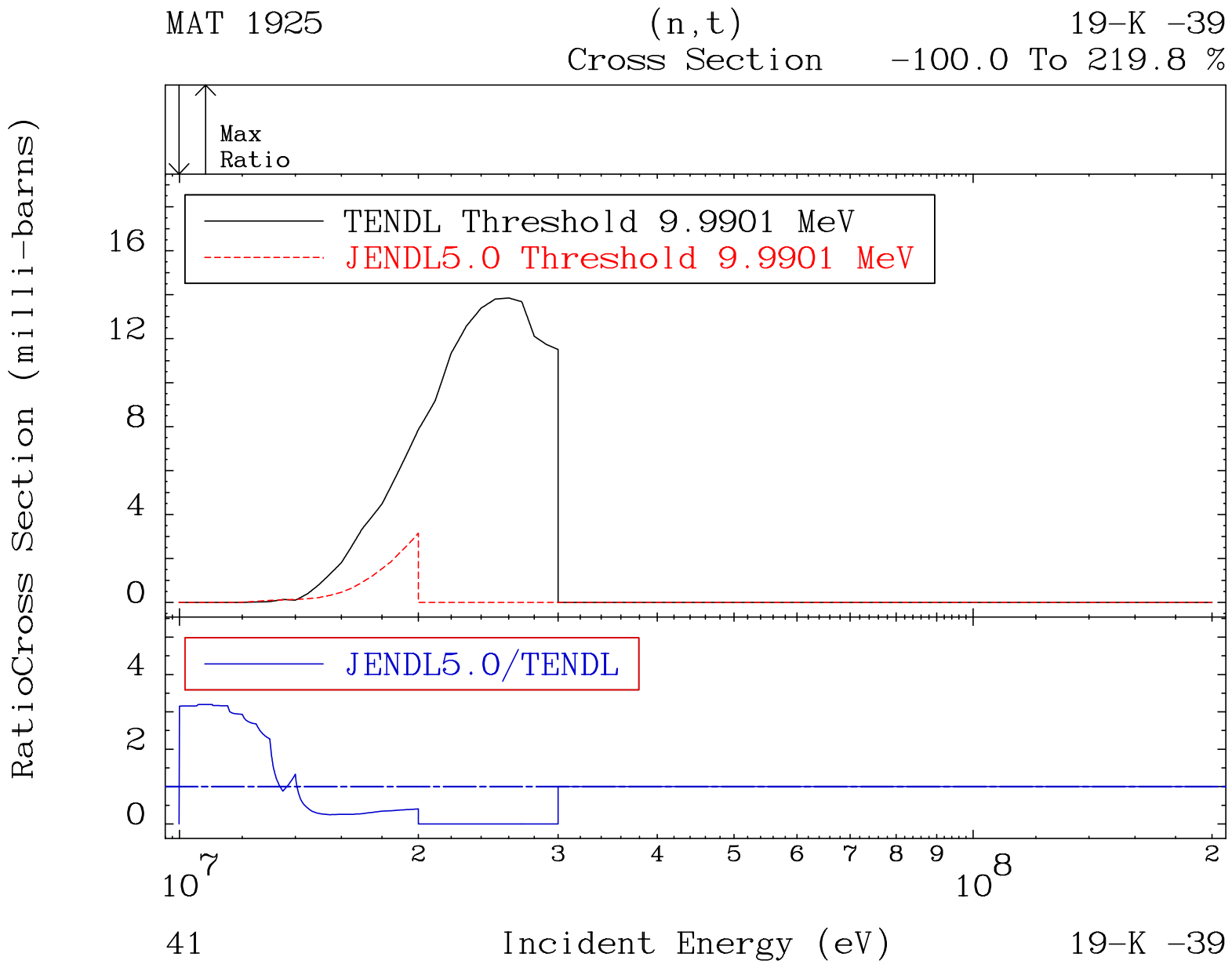

MAT 1925
MT= 75 (n,n') Level
19-K -39
Cross Section -100.0 To 901.6 %
Max Ratio
Min Ratio
TENDL Threshold 5.4006 MeV
JENDL5.0 Threshold 5.3989 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
12
6
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
36
Incident Energy (eV)
19-K -39

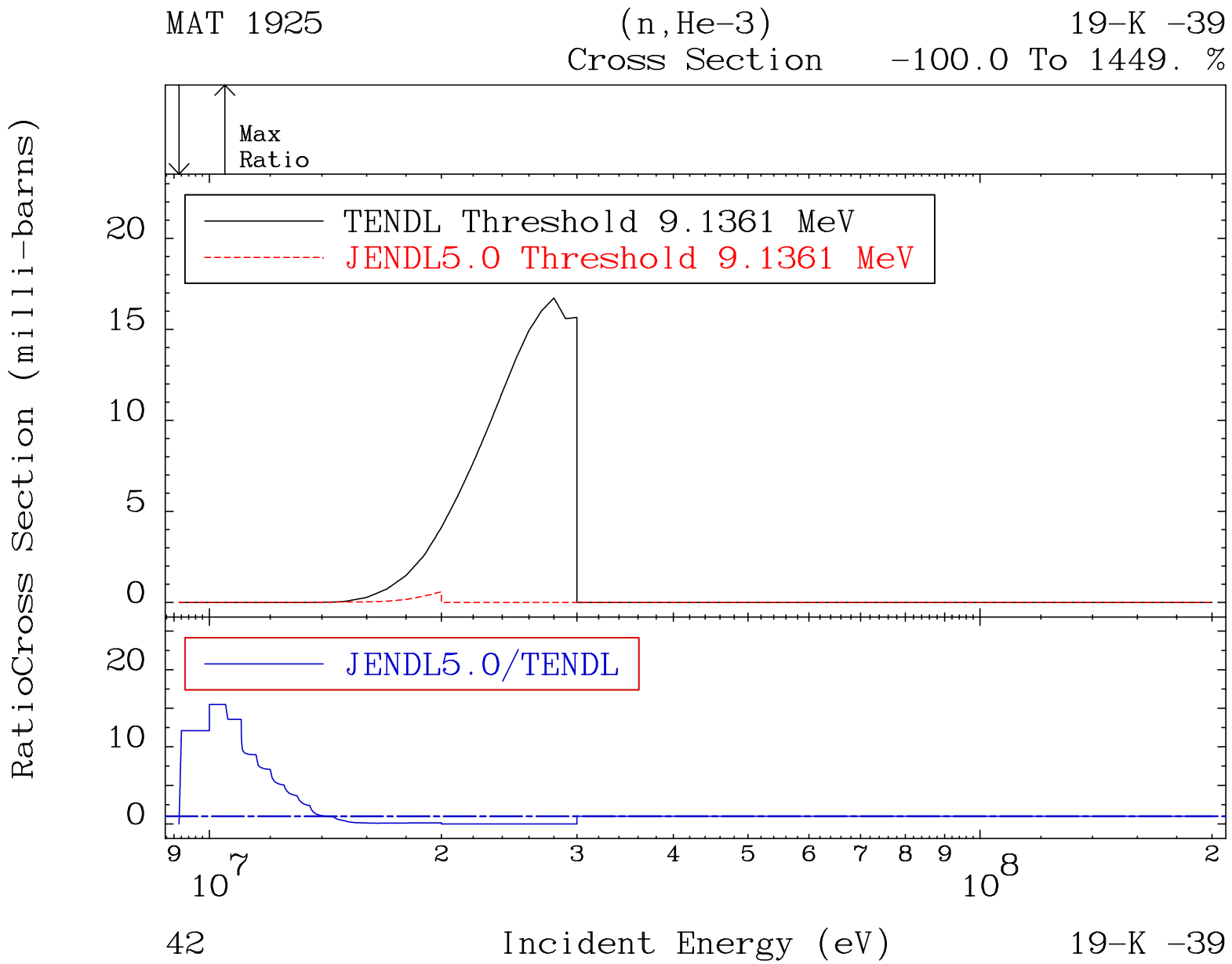

MAT 1925
(n,n') Continuum
Cross Section
19-K -39
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 5.4006 MeV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
1.2
0.6
0.0
10^5
10^6
10^7
10^8
37
Incident Energy (eV)
19-K -39

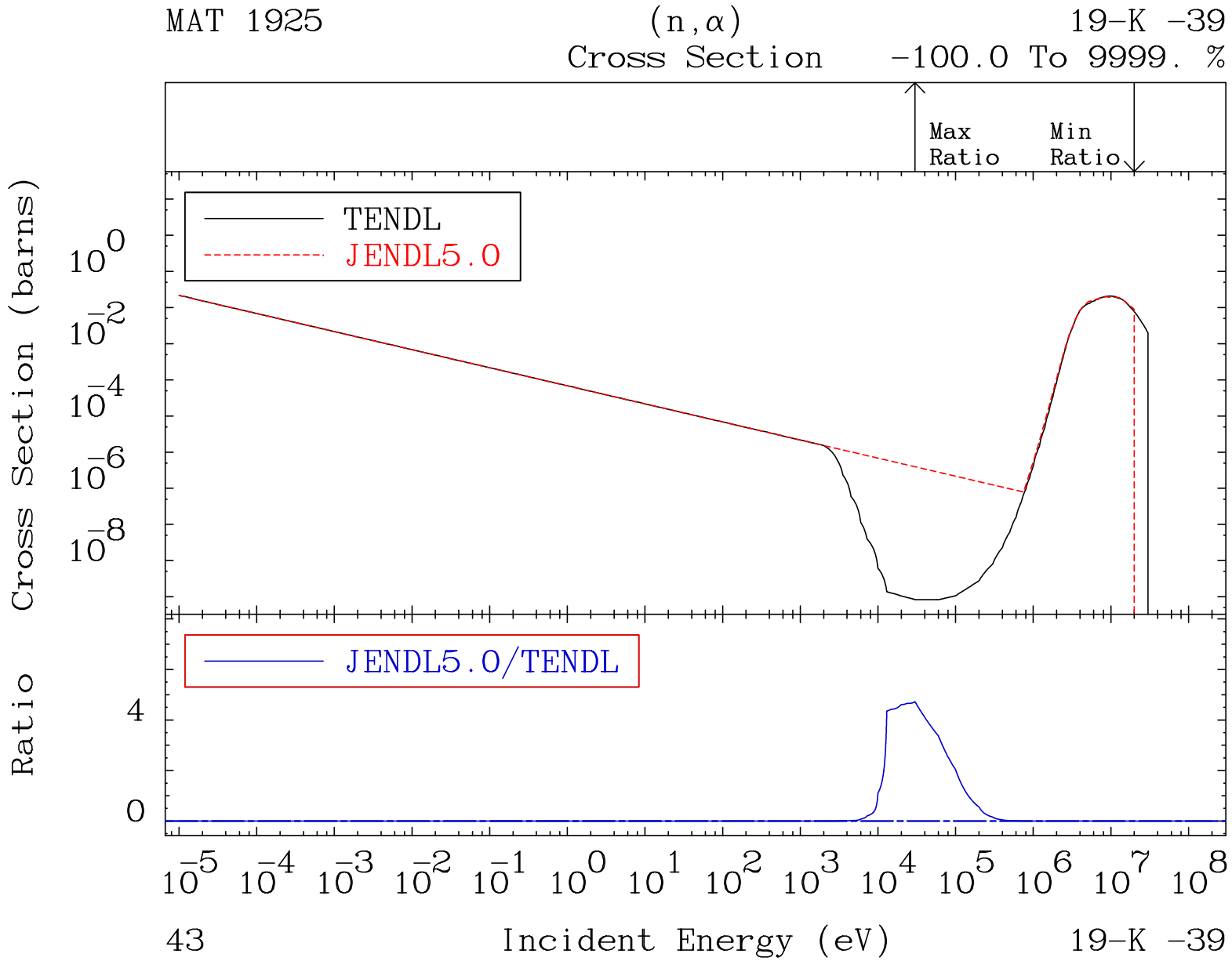

MAT 1925
(n,γ)
Cross Section
19-K -39
-100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
38
19-K -39

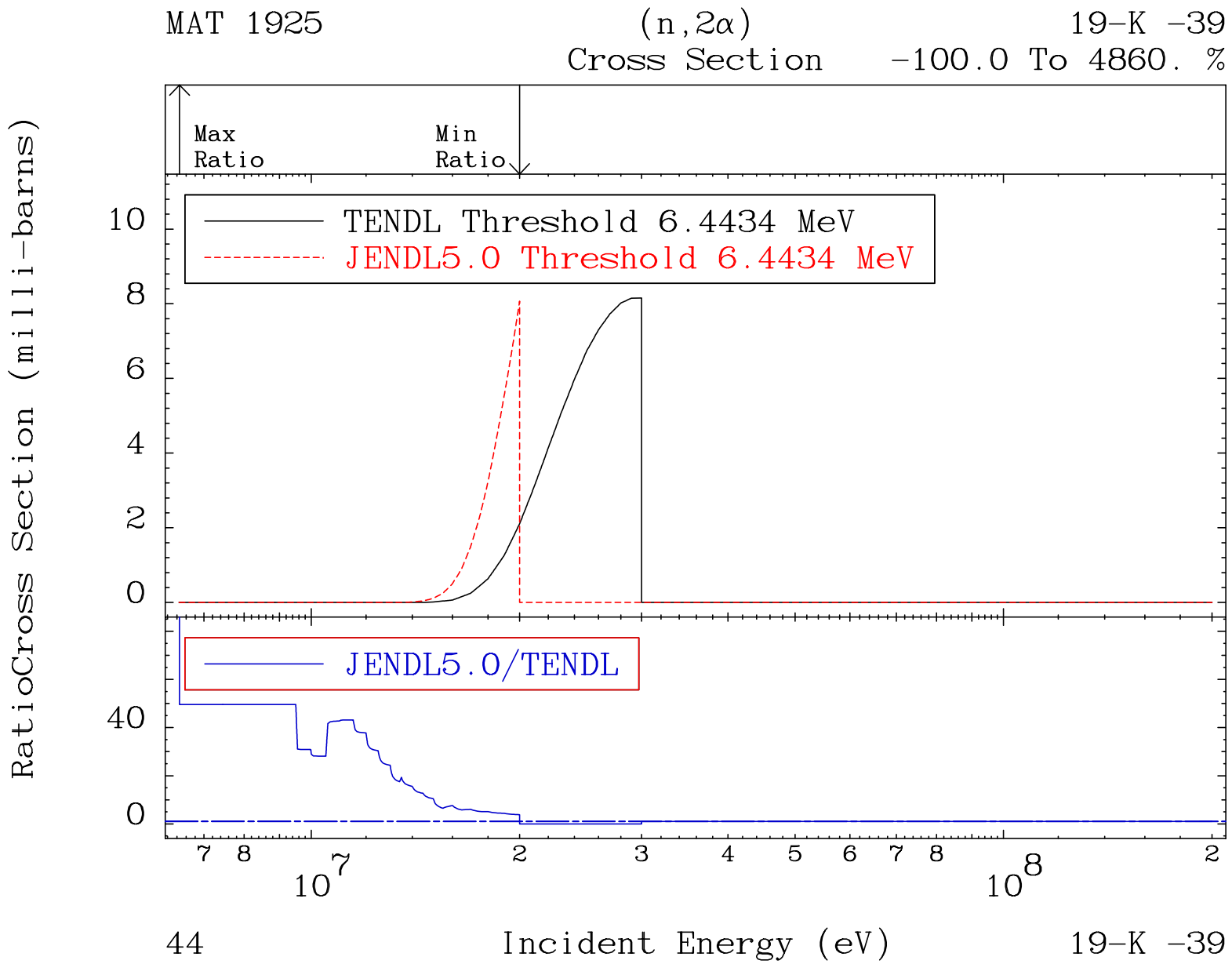

MAT 1925
(n,p)
Cross Section
19-K -39
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
39
19-K -39

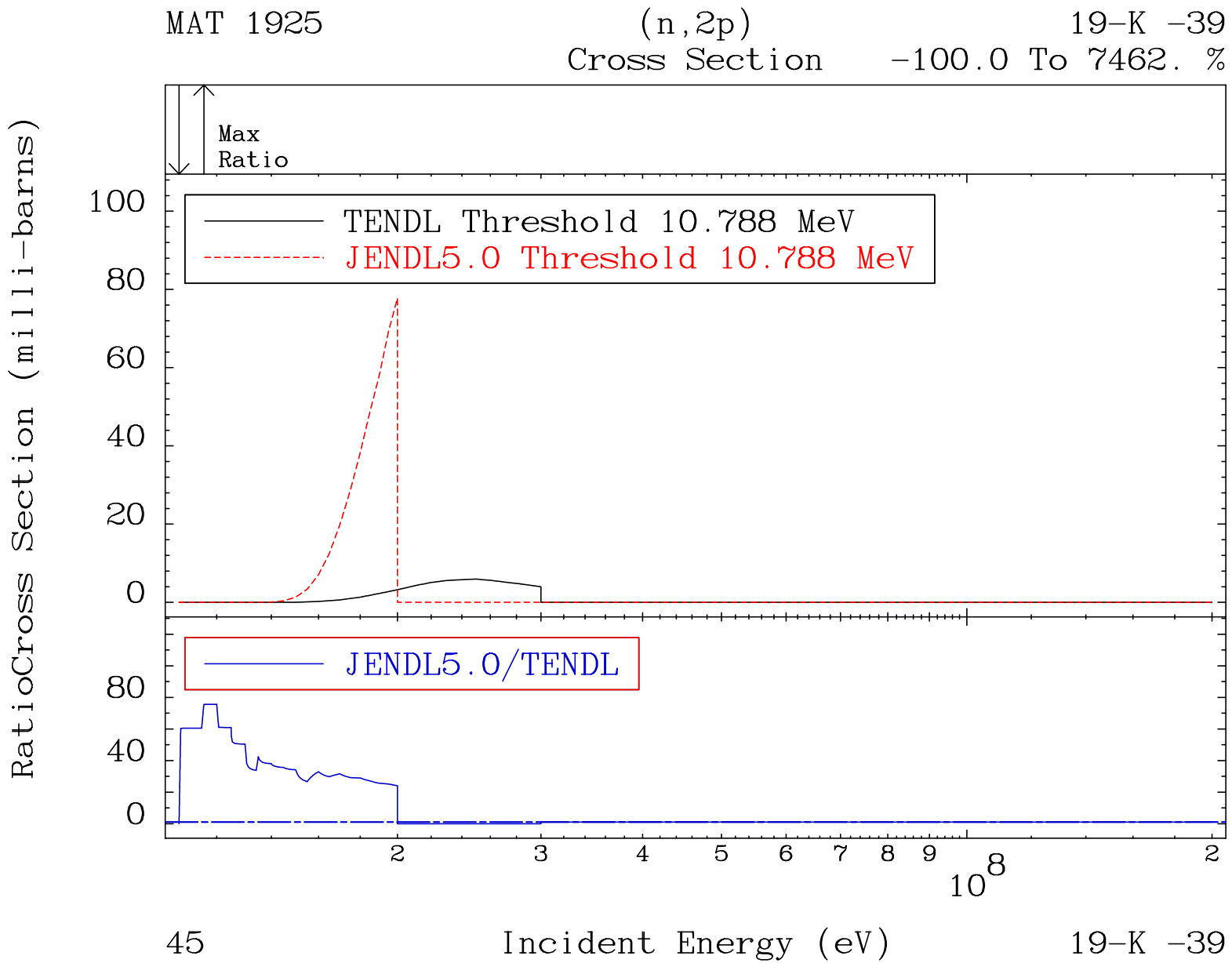

MAT 1925
(n,d)
19-K -39
Cross Section
-100.0 To 172.6 %
Max
Ratio
TENDL Threshold 4.2644 MeV
JENDL5.0 Threshold 4.2644 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
4
2
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
40
Incident Energy (eV)
19-K -39

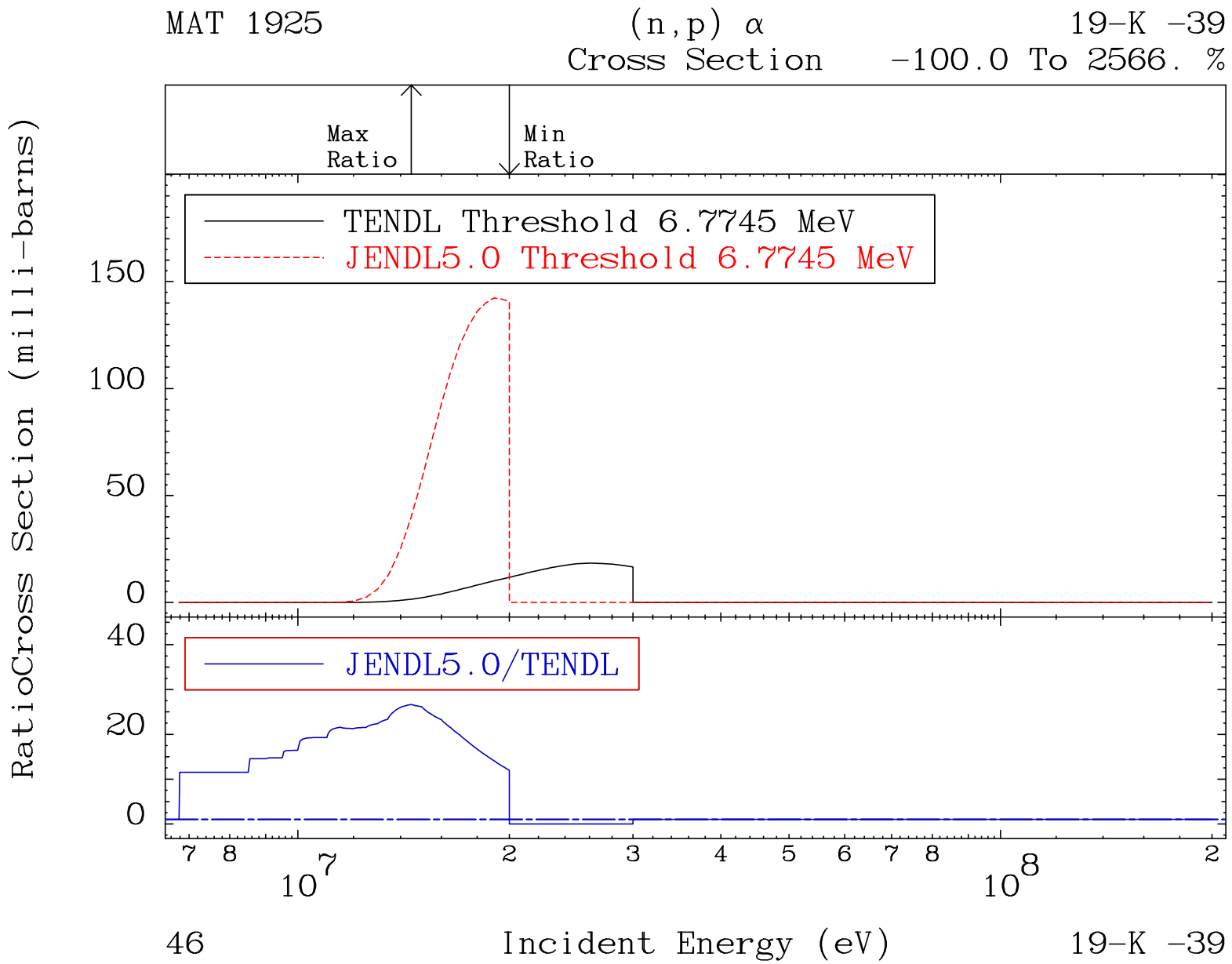

MAT 1925
(n,t)
Cross Section
19-K -39
-100.0 To 219.8 %
Max
Ratio
TENDL Threshold 9.9901 MeV
JENDL5.0 Threshold 9.9901 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
4
2
0
10^7
2
3
4
5
6
7
8
9
10^8
2
41
Incident Energy (eV)
19-K -39

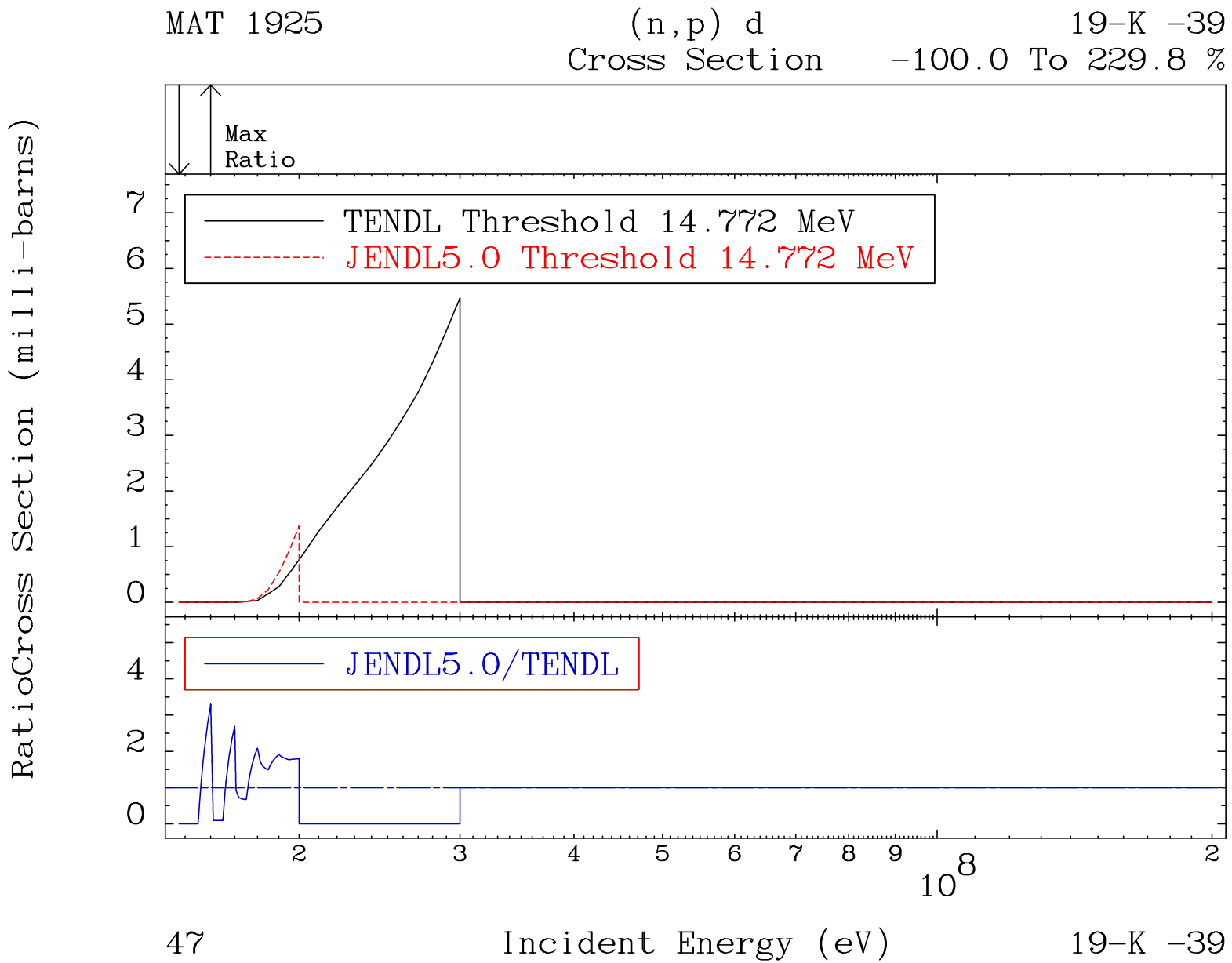

MAT 1925
(n,He-3)
19-K -39
Cross Section
-100.0 To 1449. %
Max
Ratio
TENDL Threshold 9.1361 MeV
JENDL5.0 Threshold 9.1361 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
20
10
0
9
2
3
4
5
6
7
8
9
2
10^7
10^8
42
Incident Energy (eV)
19-K -39

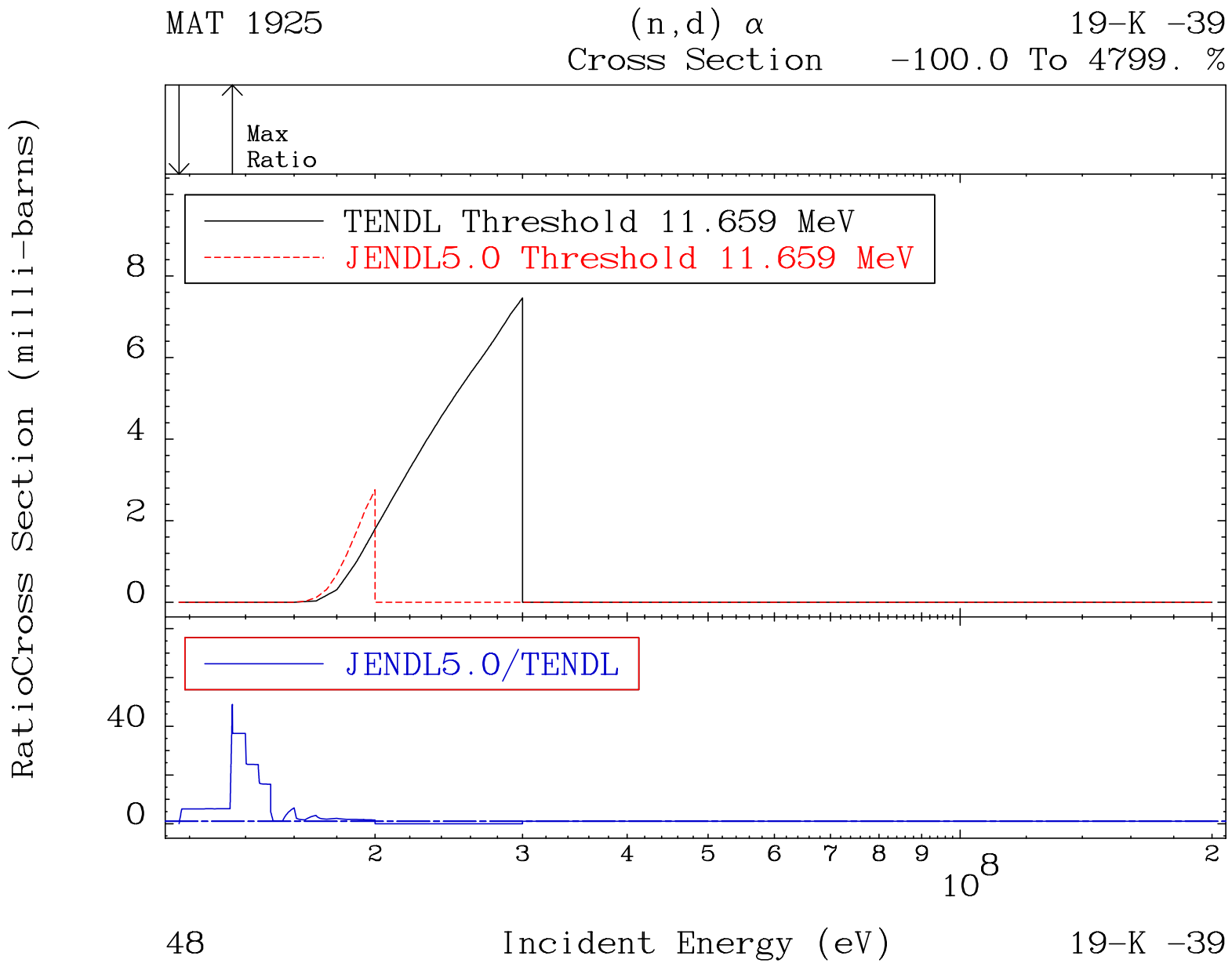

MAT 1925
(n,α)
19-K -39
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
10^-8
JENDL5.0/TENDL
Ratio
4
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
43
Incident Energy (eV)
19-K -39

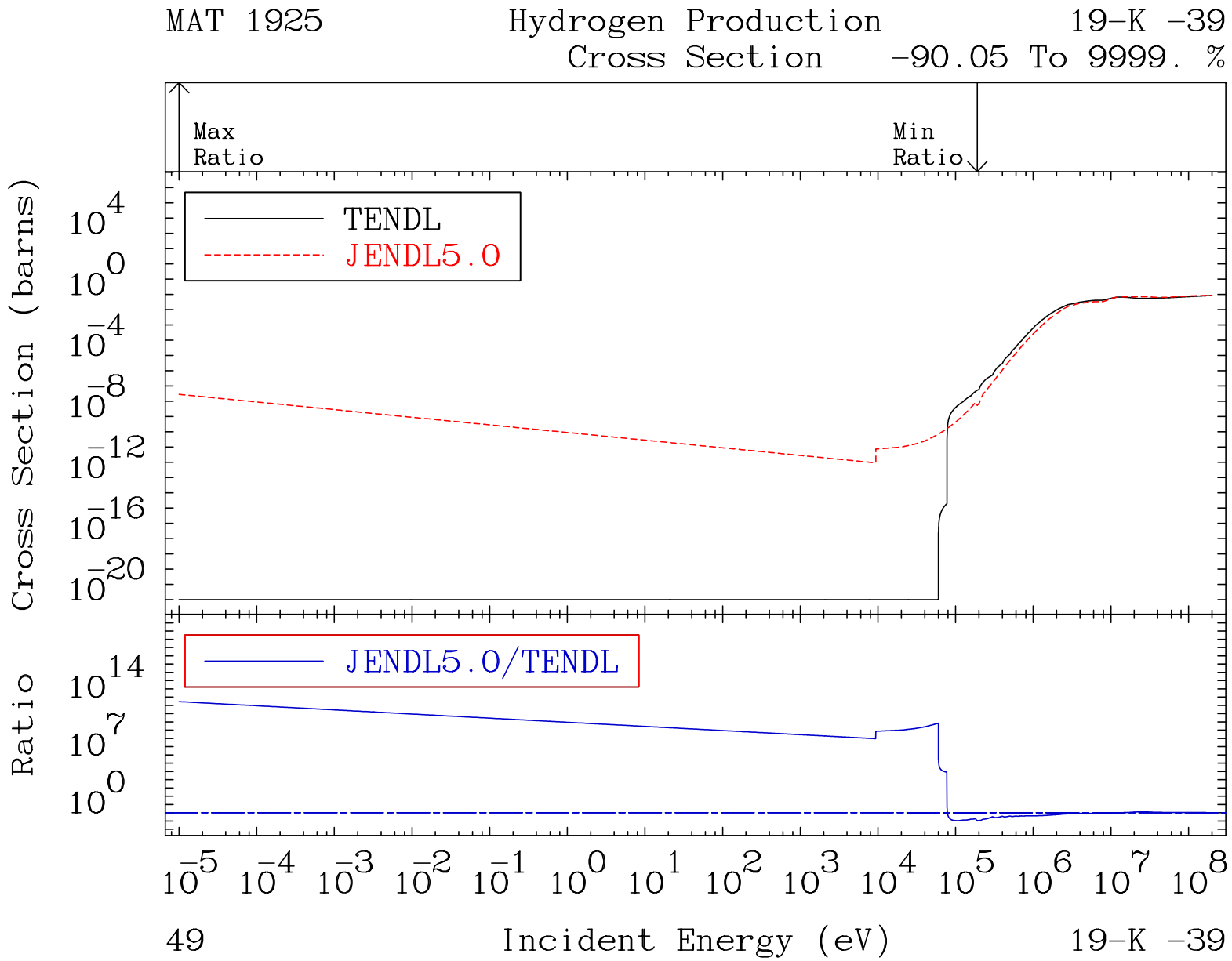

MAT 1925
(n,2α)
19-K -39
Cross Section
-100.0 To 4860. %
Max Ratio
Min Ratio
TENDL Threshold 6.4434 MeV
JENDL5.0 Threshold 6.4434 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
40
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
44
Incident Energy (eV)
19-K -39

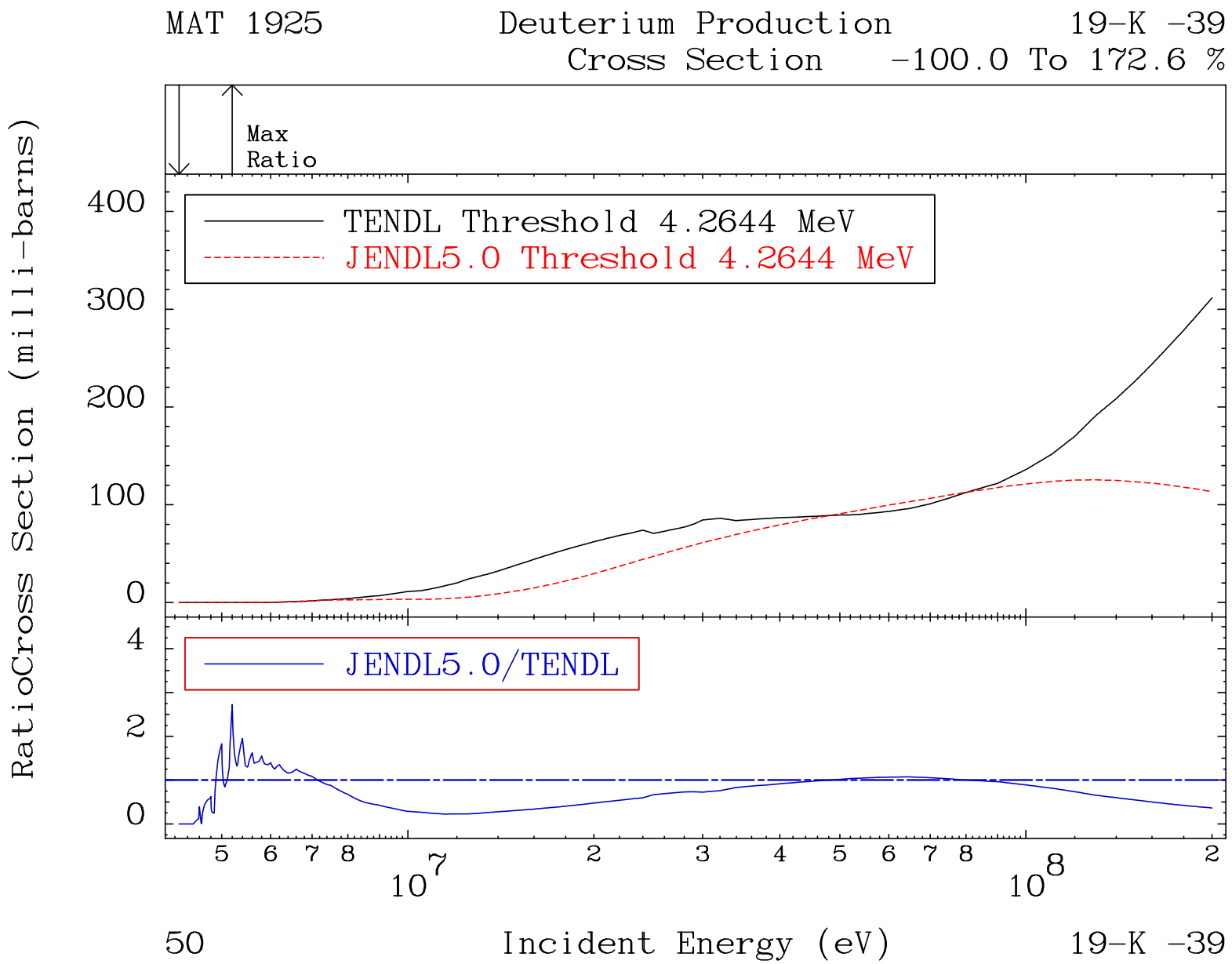

MAT 1925
(n,2p)
19-K -39
Cross Section
-100.0 To 7462. %
Max
Ratio
TENDL Threshold 10.788 MeV
JENDL5.0 Threshold 10.788 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
80
40
0
2
3
4
5
6
7
8
9
2
10^8
45
Incident Energy (eV)
19-K -39

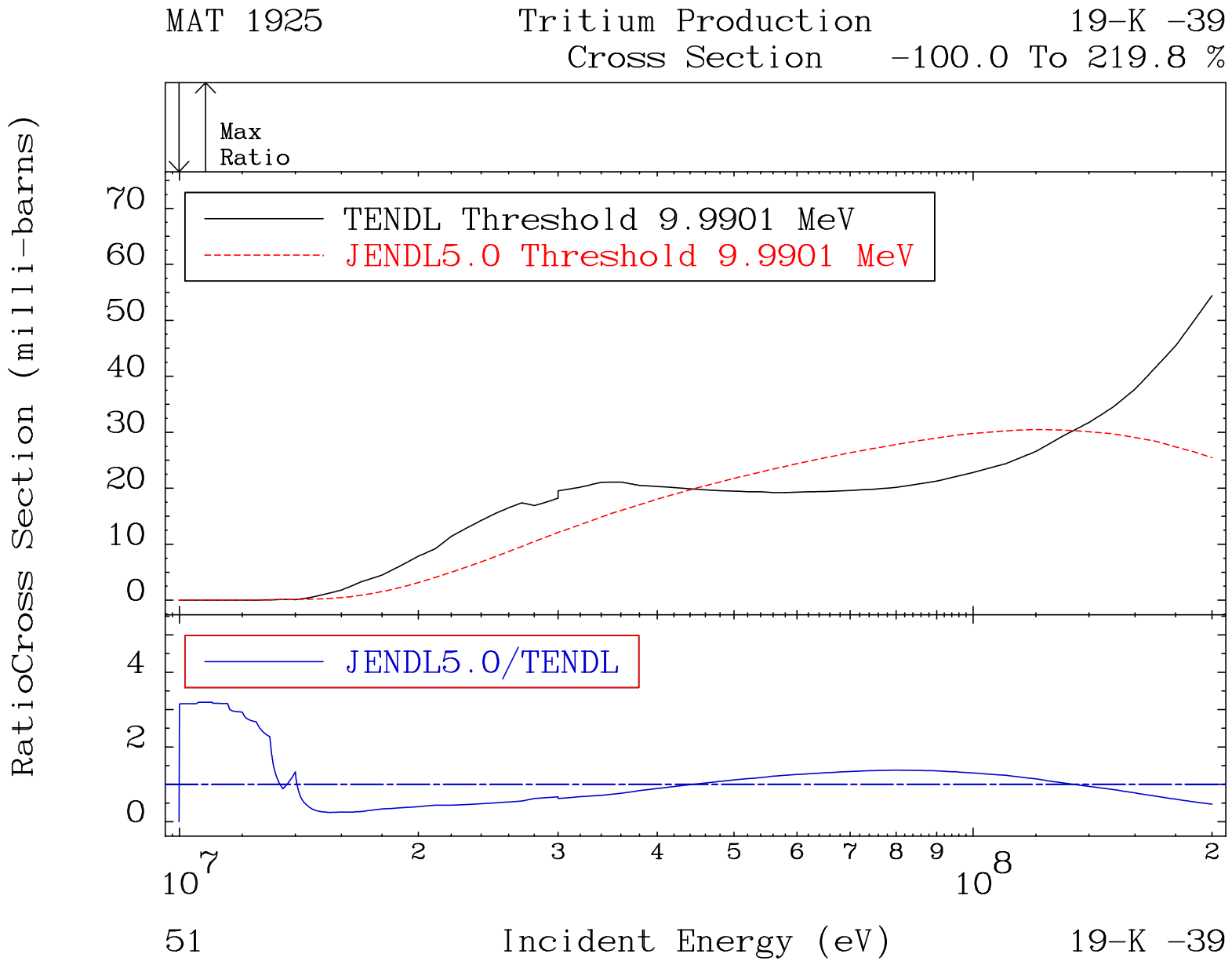

MAT 1925
(n,p) α
Cross Section
19-K -39
-100.0 To 2566. %
Max Ratio
Min Ratio
TENDL Threshold 6.7745 MeV
JENDL5.0 Threshold 6.7745 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
150
100
50
0
40
20
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
46
Incident Energy (eV)
19-K -39

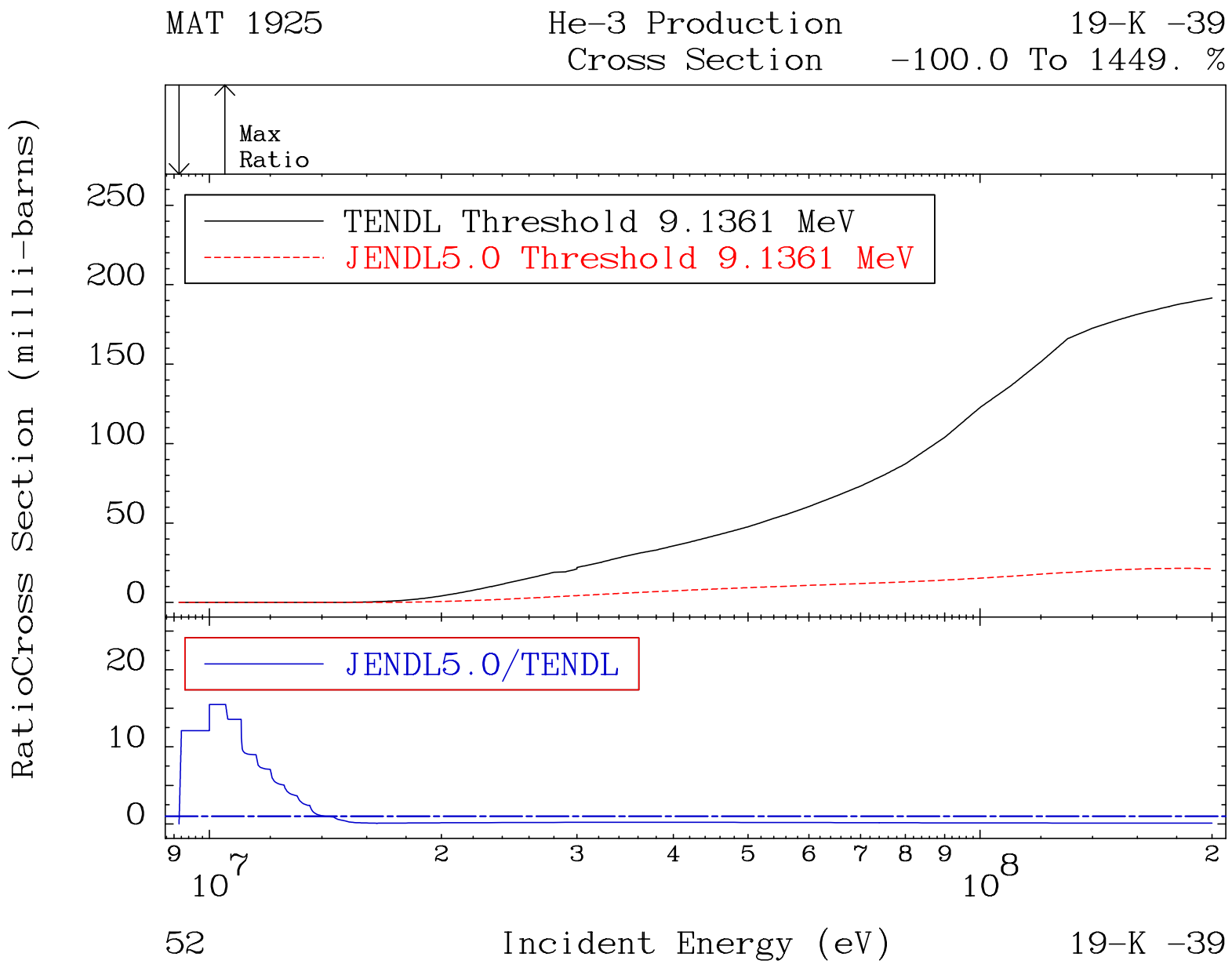

MAT 1925
(n,p) d
Cross Section
19-K -39
-100.0 To 229.8 %
Max
Ratio
TENDL Threshold 14.772 MeV
JENDL5.0 Threshold 14.772 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
0
1
2
3
4
5
6
7
0
2
4
2
3
4
5
6
7
8
9
10^8
2
47
Incident Energy (eV)
19-K -39

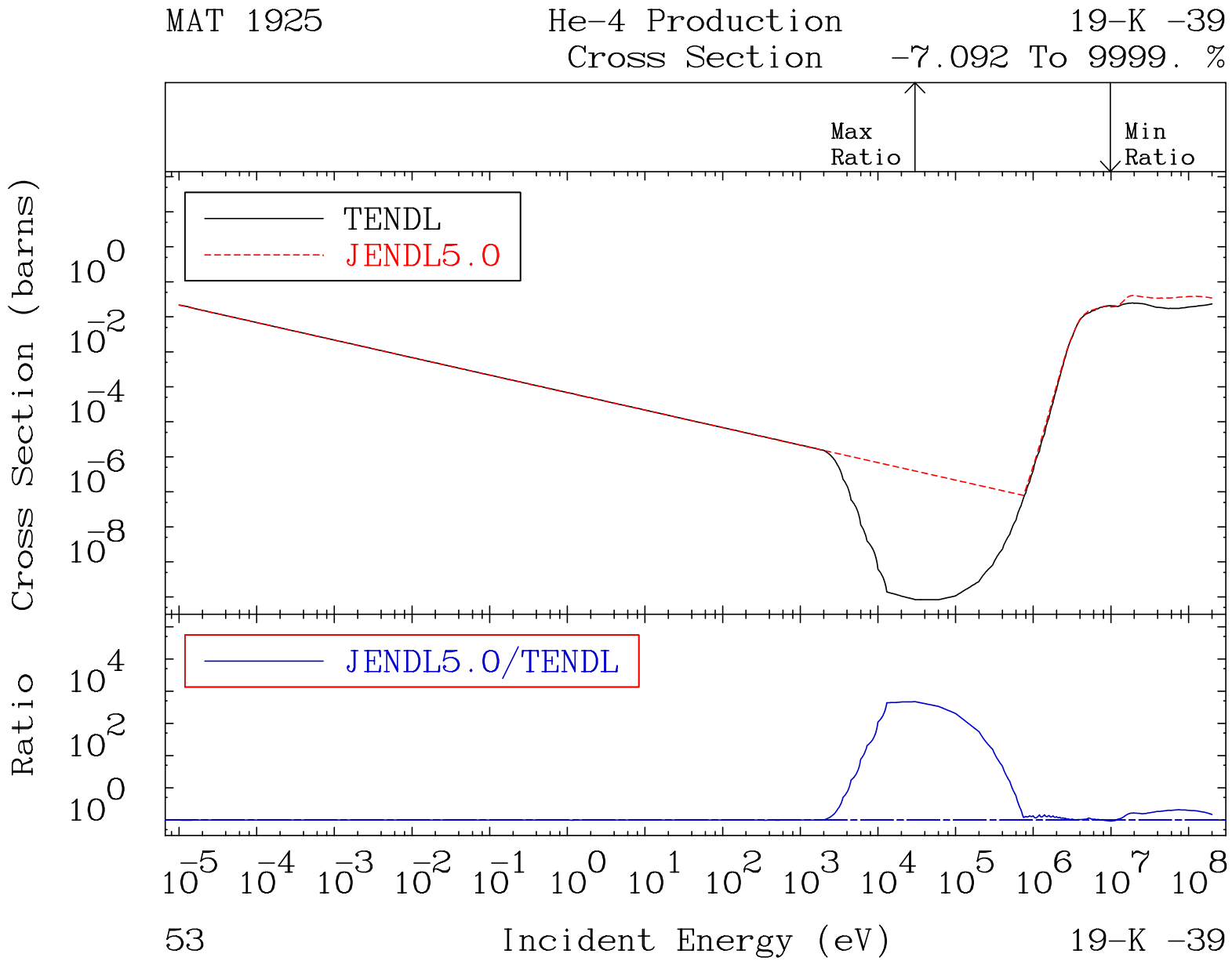

MAT 1925
(n,d) α
19-K -39
Cross Section
-100.0 To 4799. %
Max
Ratio
TENDL Threshold 11.659 MeV
JENDL5.0 Threshold 11.659 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
8
6
4
2
0
40
0
2
3
4
5
6
7
8
9
10^8
2
48
Incident Energy (eV)
19-K -39

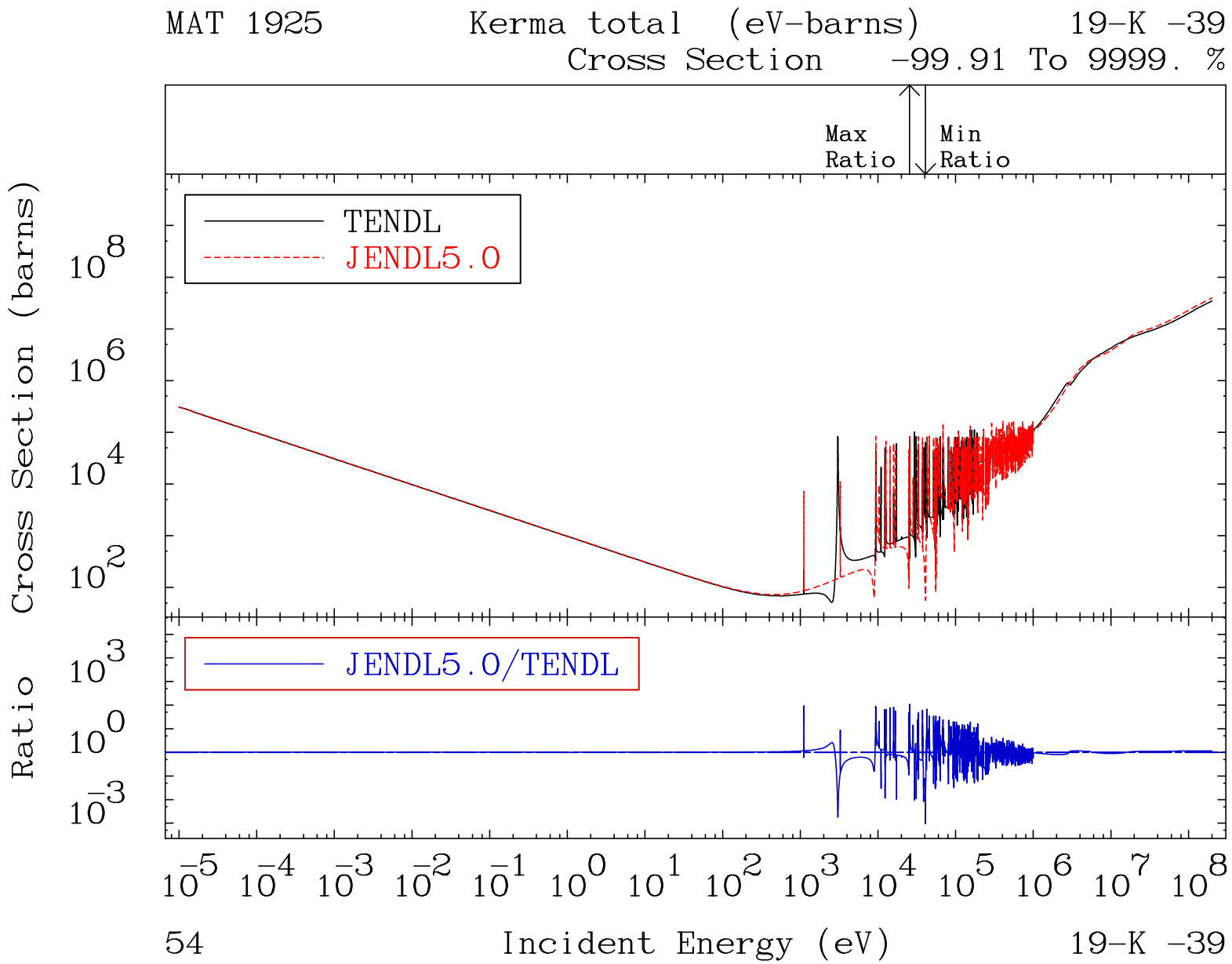

MAT 1925
Hydrogen Production
19-K -39
Cross Section
-90.05 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
49
19-K -39

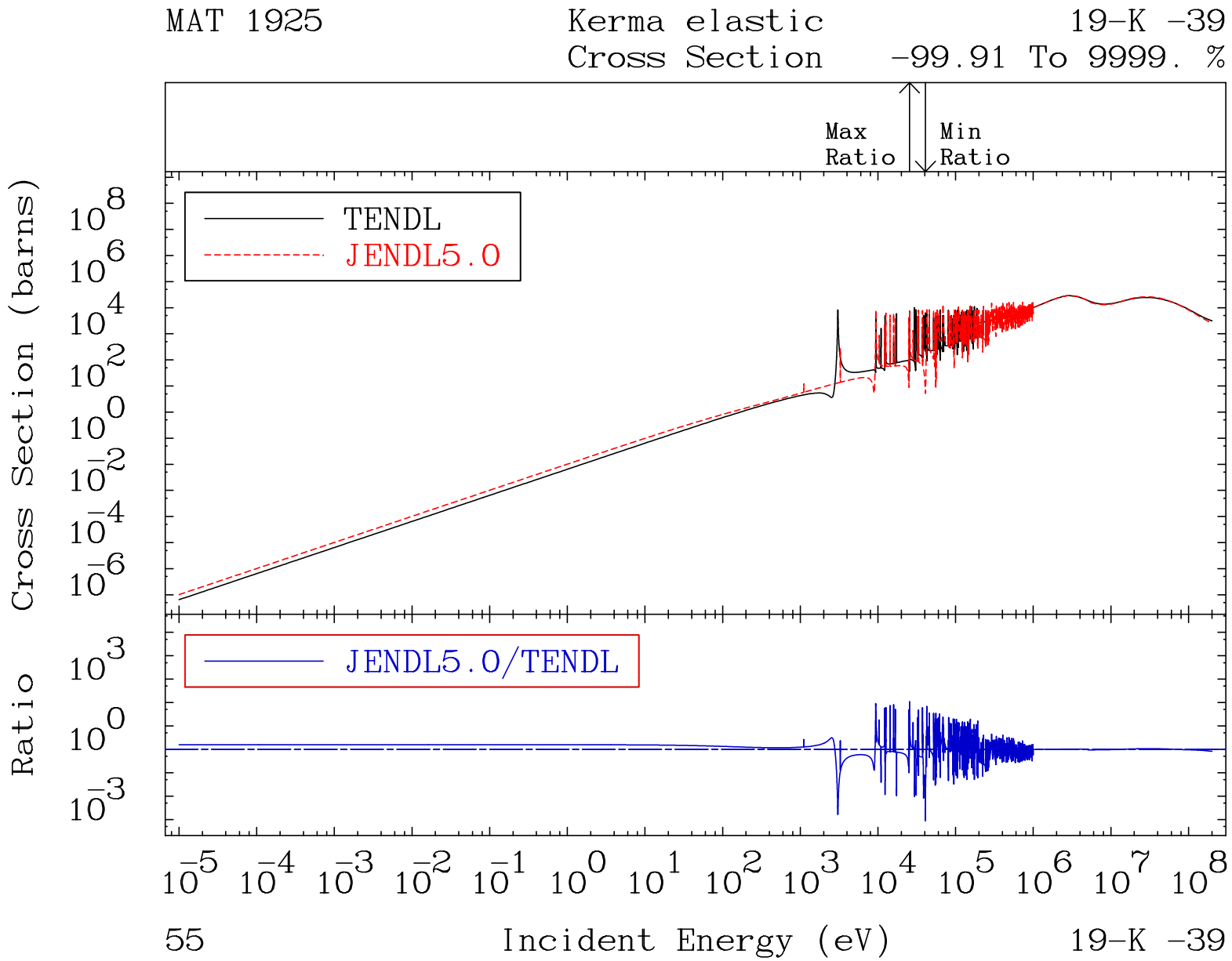

MAT 1925
Deuterium Production
19-K -39
Cross Section -100.0 To 172.6 %
Max
Ratio
TENDL Threshold 4.2644 MeV
JENDL5.0 Threshold 4.2644 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
4
2
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
50
Incident Energy (eV)
19-K -39

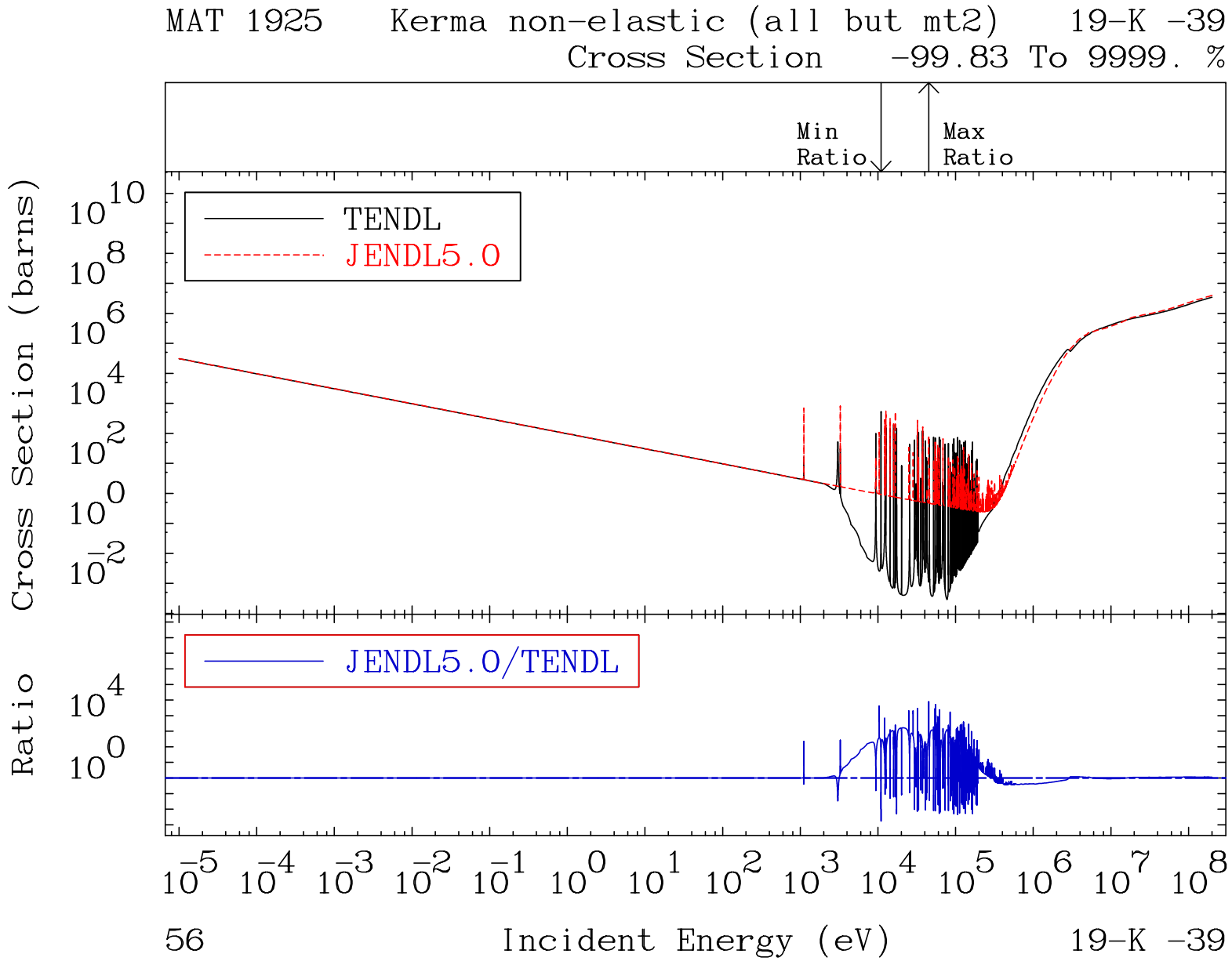

MAT 1925
Tritium Production
19-K -39
Cross Section
-100.0 To 219.8 %
Max
Ratio
TENDL Threshold 9.9901 MeV
JENDL5.0 Threshold 9.9901 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
4
2
0
10^7
2
3
4
5
6
7
8
9
10^8
2
51
Incident Energy (eV)
19-K -39

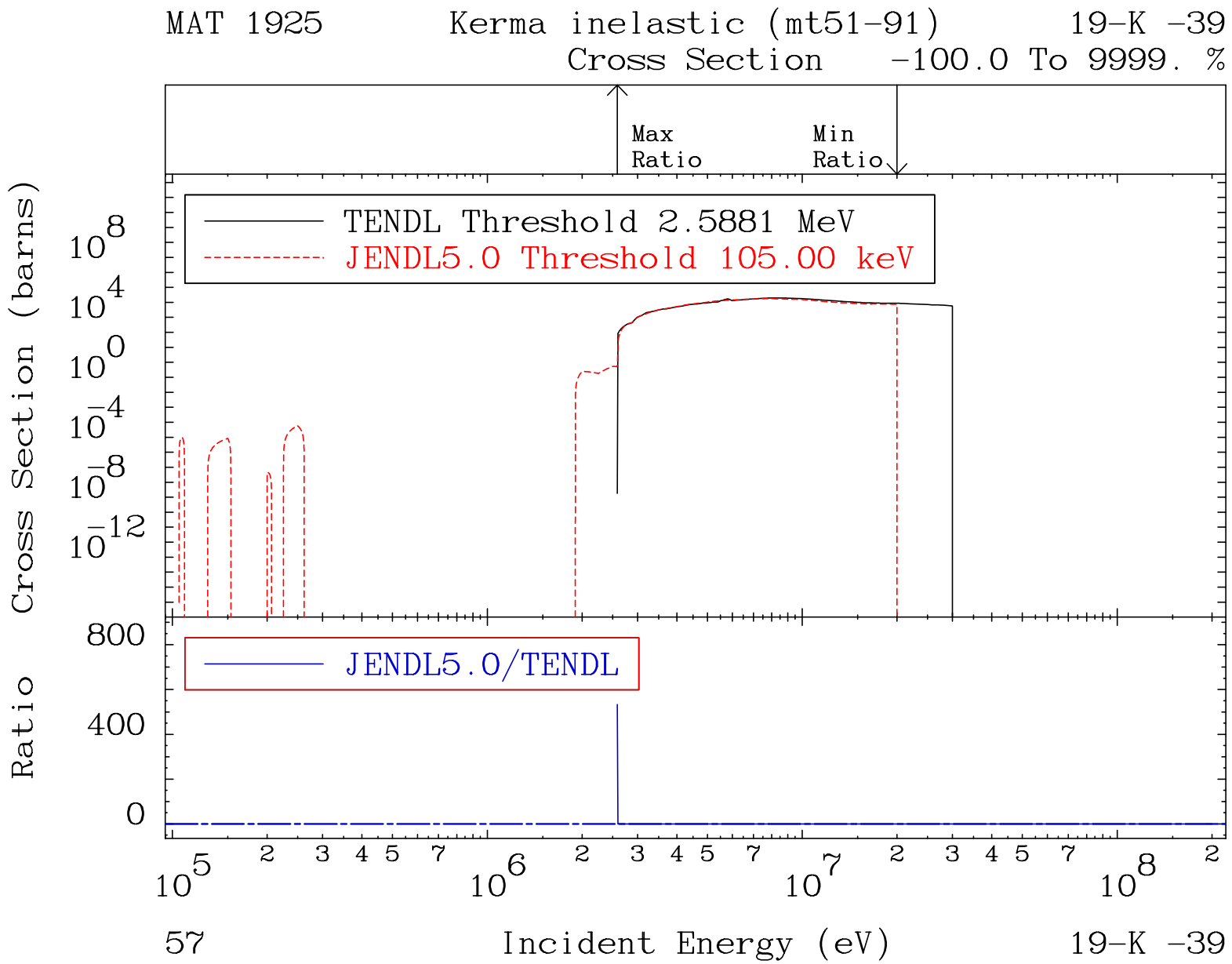

MAT 1925
He-3 Production
Cross Section
19-K -39
-100.0 To 1449. %
Max
Ratio
TENDL Threshold 9.1361 MeV
JENDL5.0 Threshold 9.1361 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
20
10
0
9
2
3
4
5
6
7
8
9
2
10^7
10^8
52
Incident Energy (eV)
19-K -39

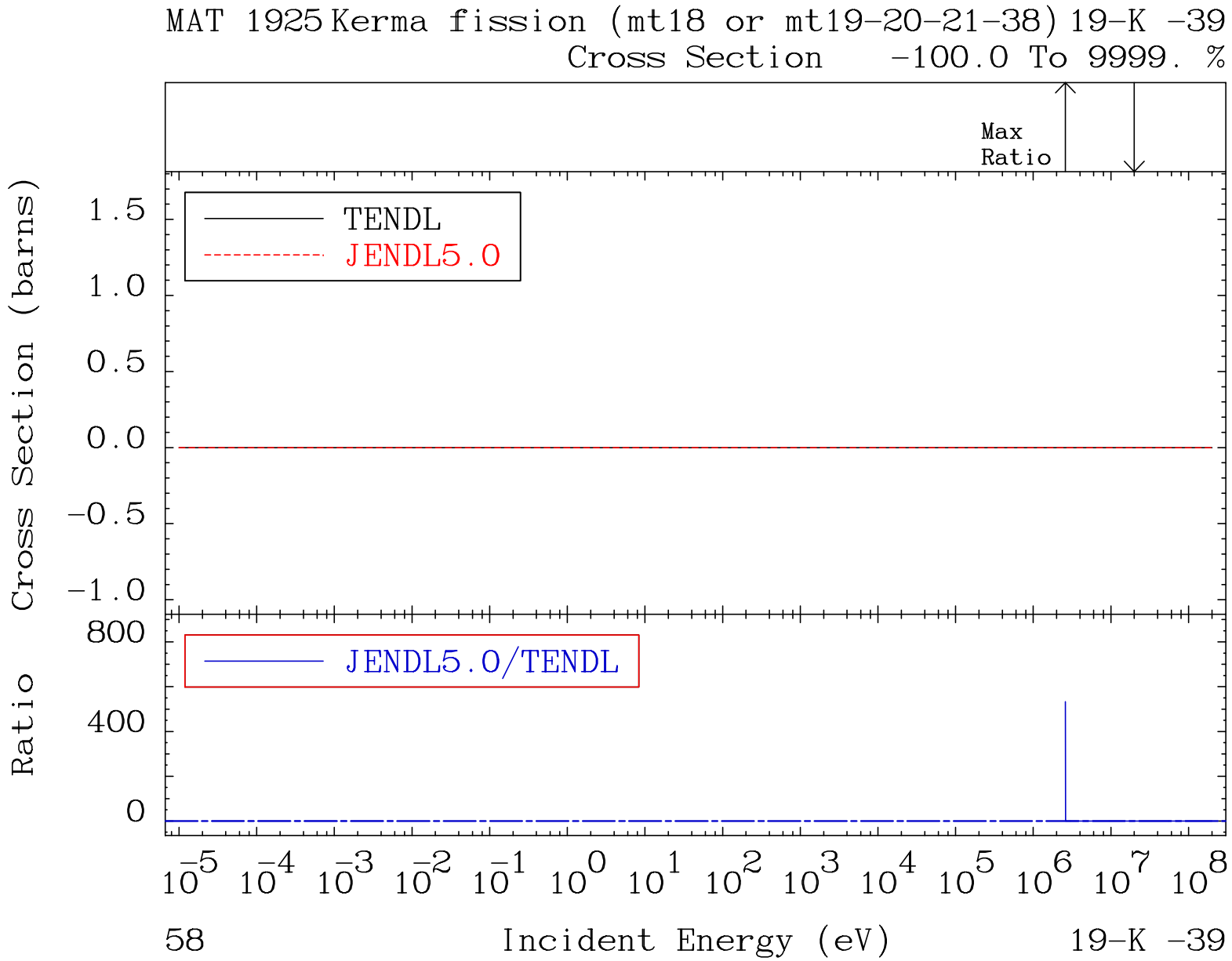

MAT 1925
He-4 Production
Cross Section
19-K -39
-7.092 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
53
19-K -39

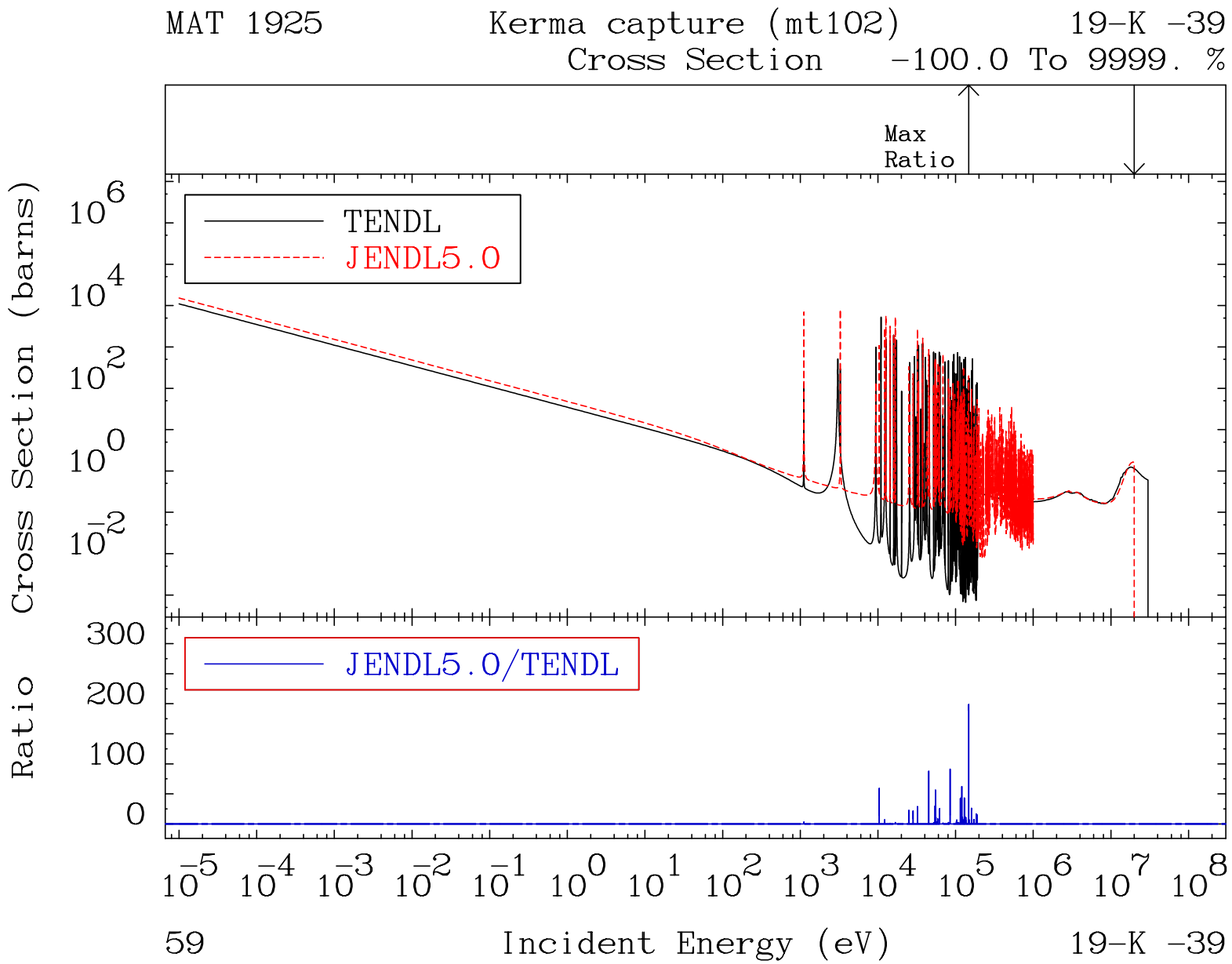

MAT 1925
Kerma total (eV-barns)
19-K -39
Cross Section -99.91 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
54
19-K -39

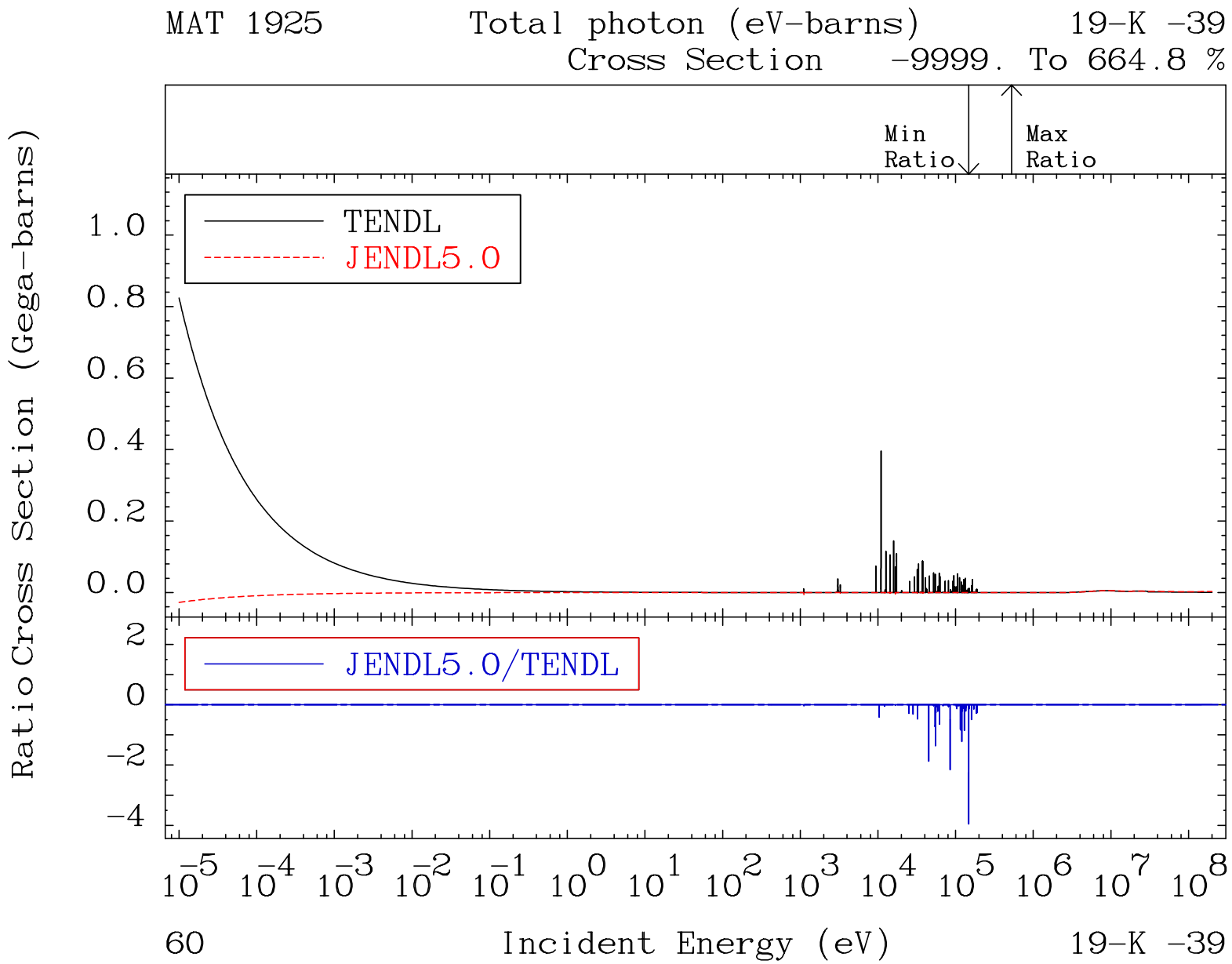

MAT 1925
Kerma elastic
Cross Section
19-K -39
-99.91 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
19-K -39

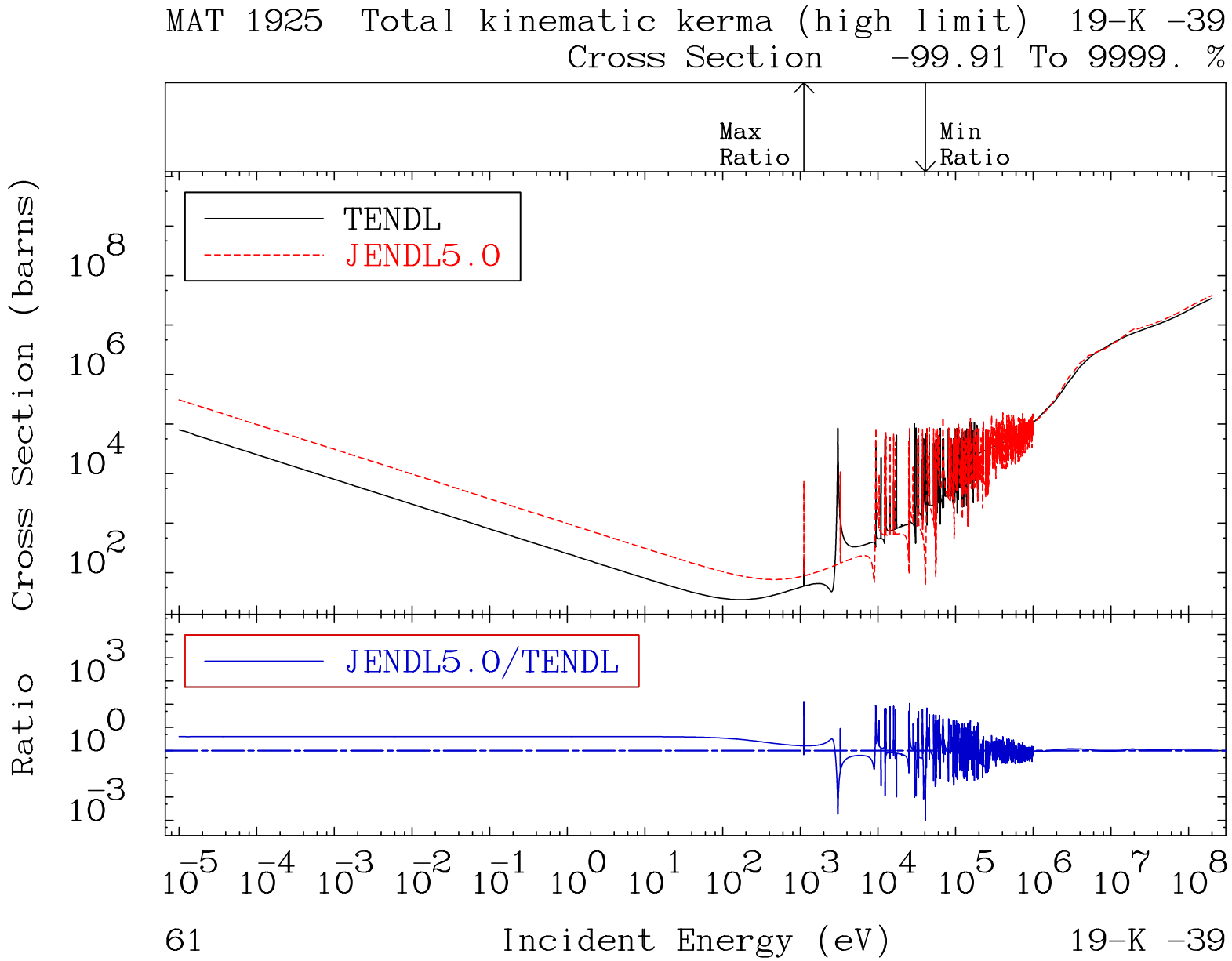

MAT 1925 Kerma non-elastic (all but mt2) 19-K -39
Cross Section -99.83 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
56
19-K -39

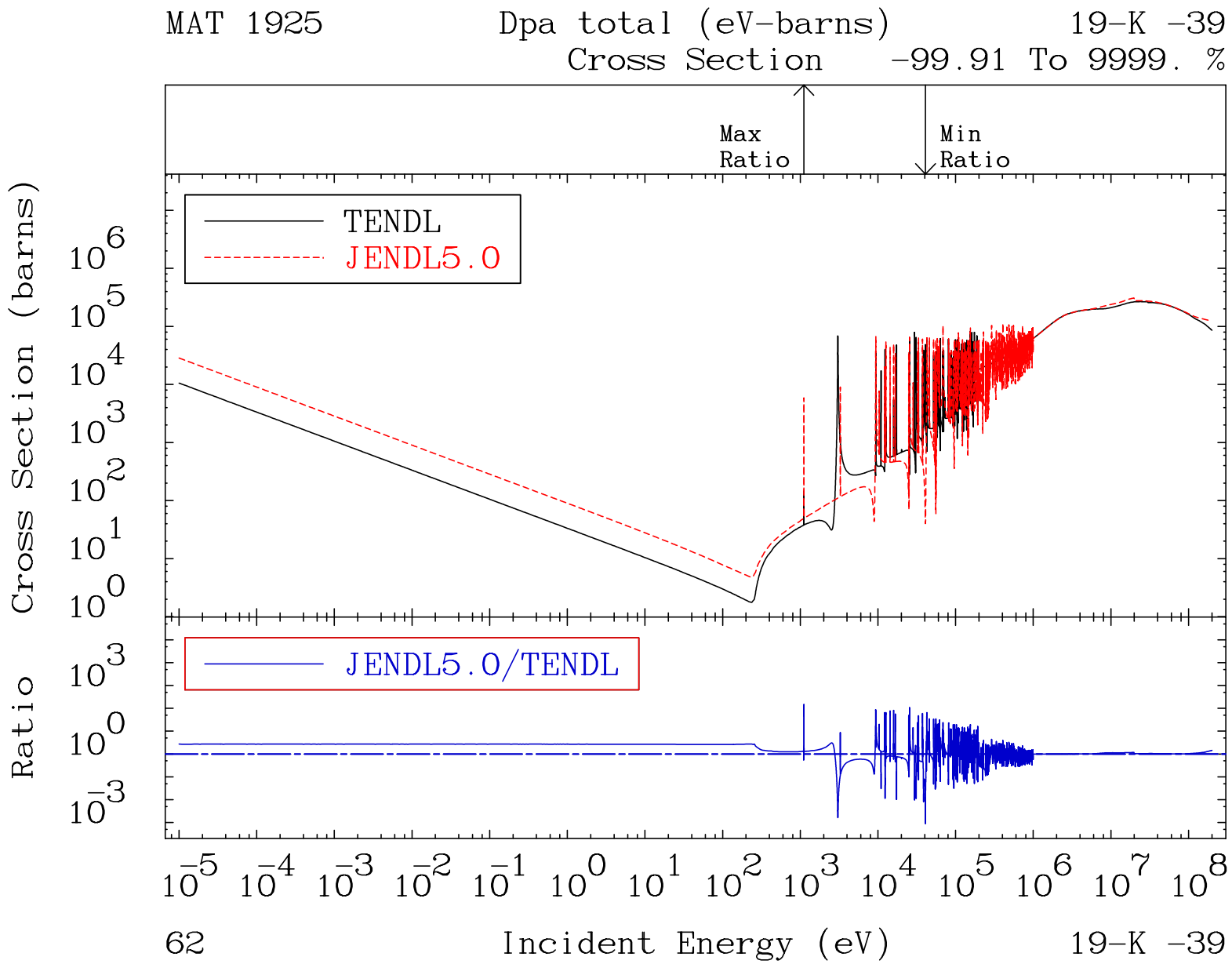

MAT 1925
Kerma inelastic (mt51-91)
19-K -39
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.5881 MeV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
19-K -39

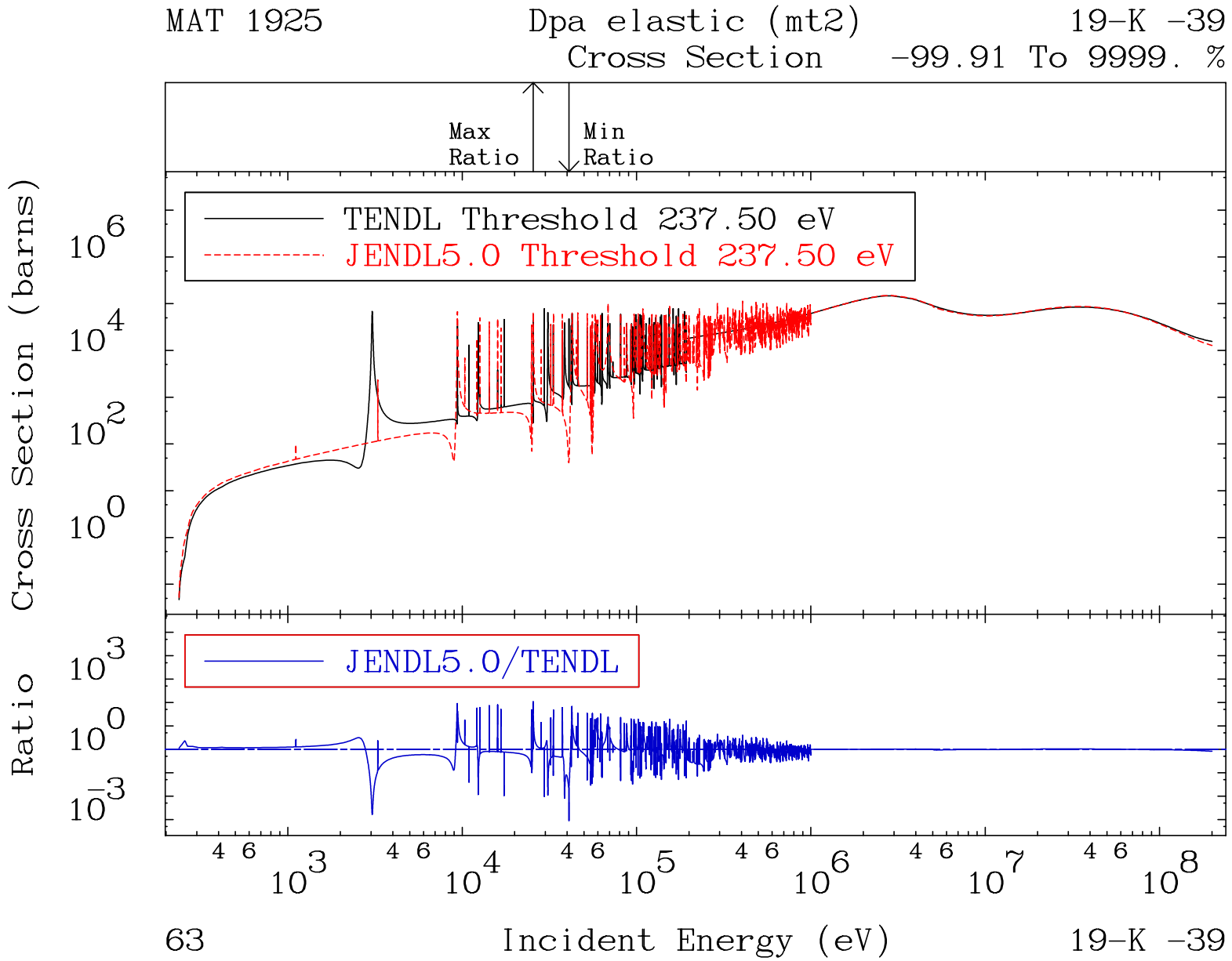

MAT 1925 Kerma fission (mt18 or mt19-20-21-38) 19-K -39
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
800
400
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
58
Incident Energy (eV)
19-K -39

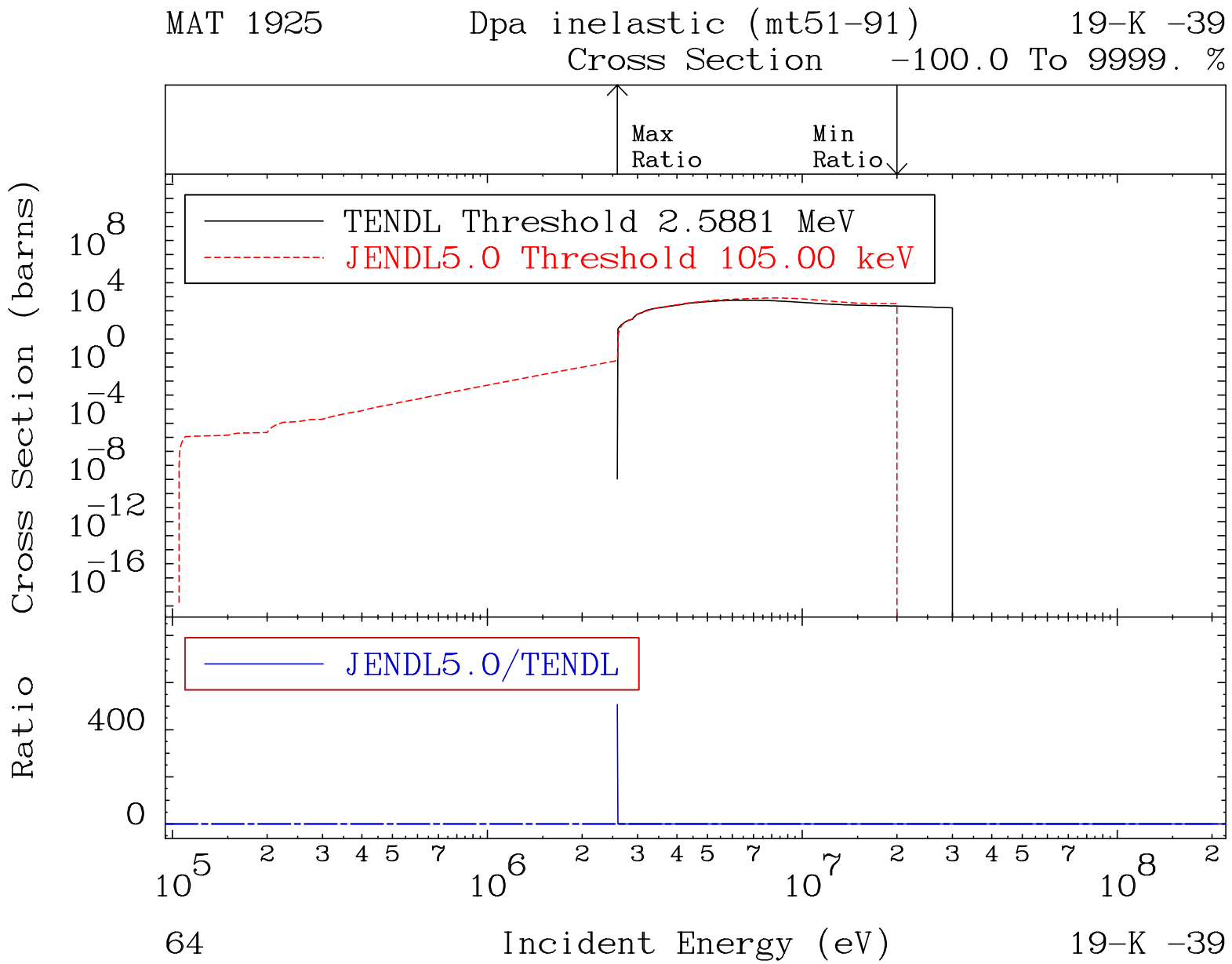

MAT 1925
Kerma capture (mt102)
19-K -39
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
59
19-K -39

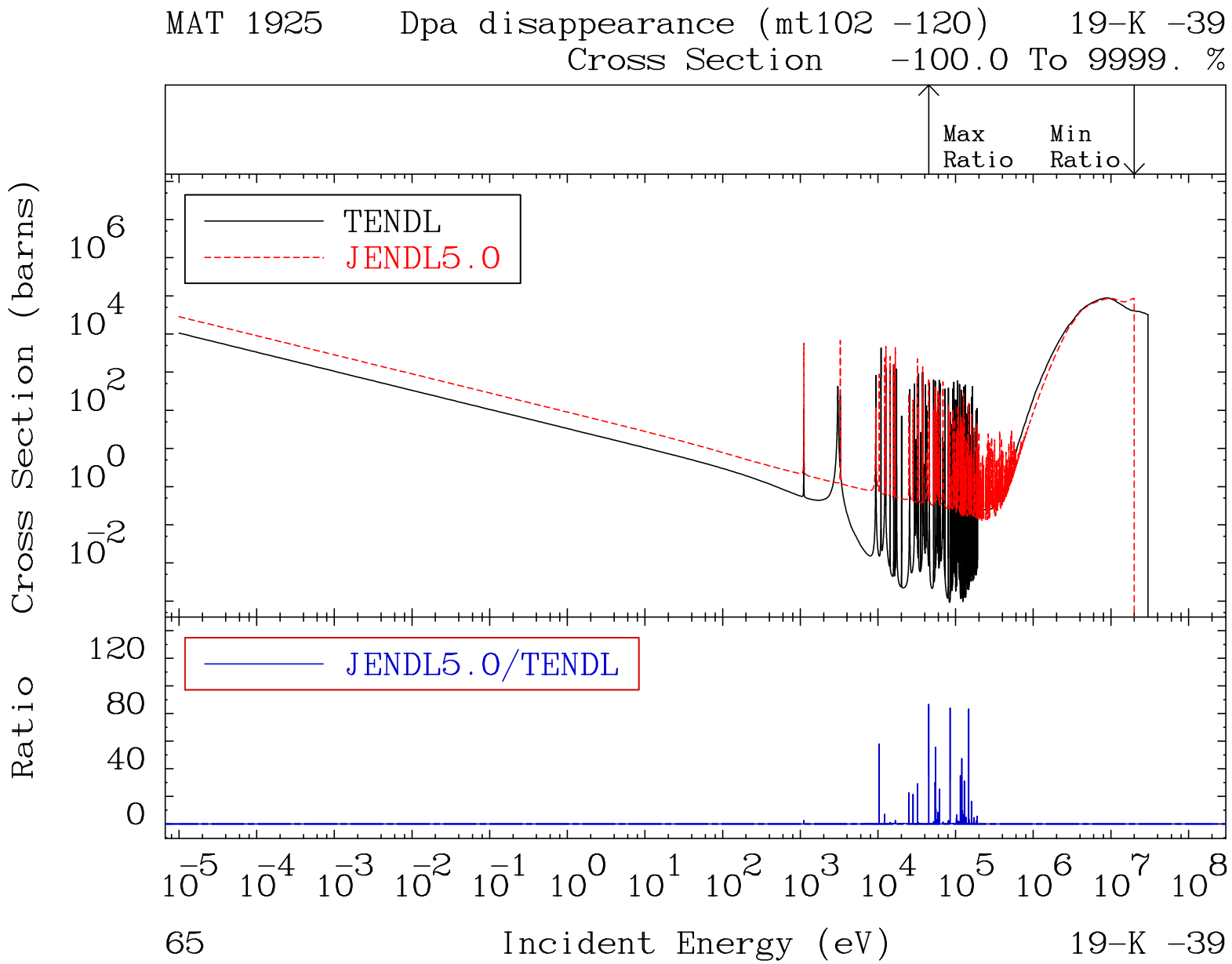

MAT 1925
Total photon (eV-barns)
19-K -39
Cross Section -9999. To 664.8 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Ratio Cross Section (Giga-barns)
1.0
0.8
0.6
0.4
0.2
0.0
2
0
-2
-4
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
60
Incident Energy (eV)
19-K -39

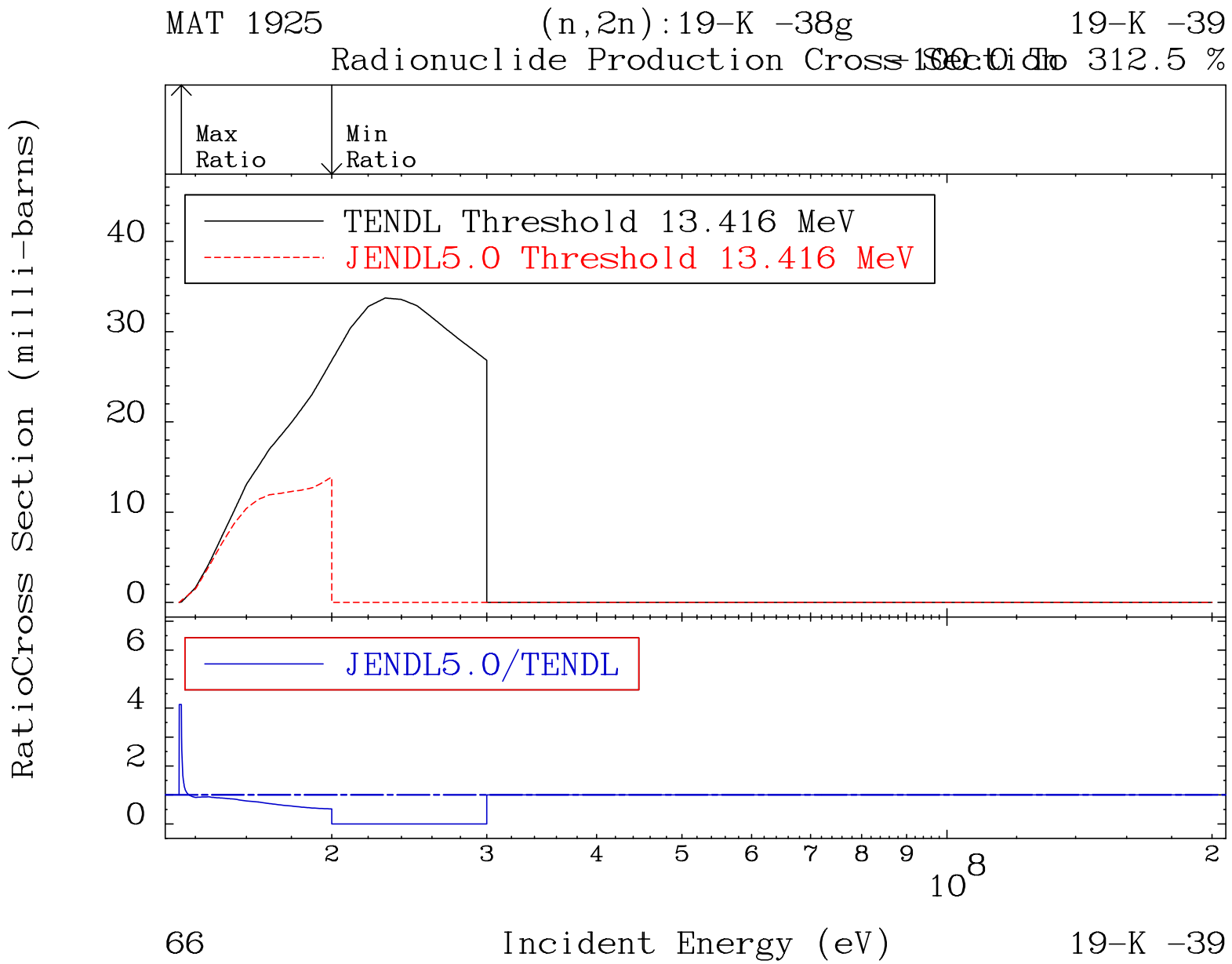

MAT 1925 Total kinematic kerma (high limit) 19-K -39
Cross Section -99.91 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
61
19-K -39

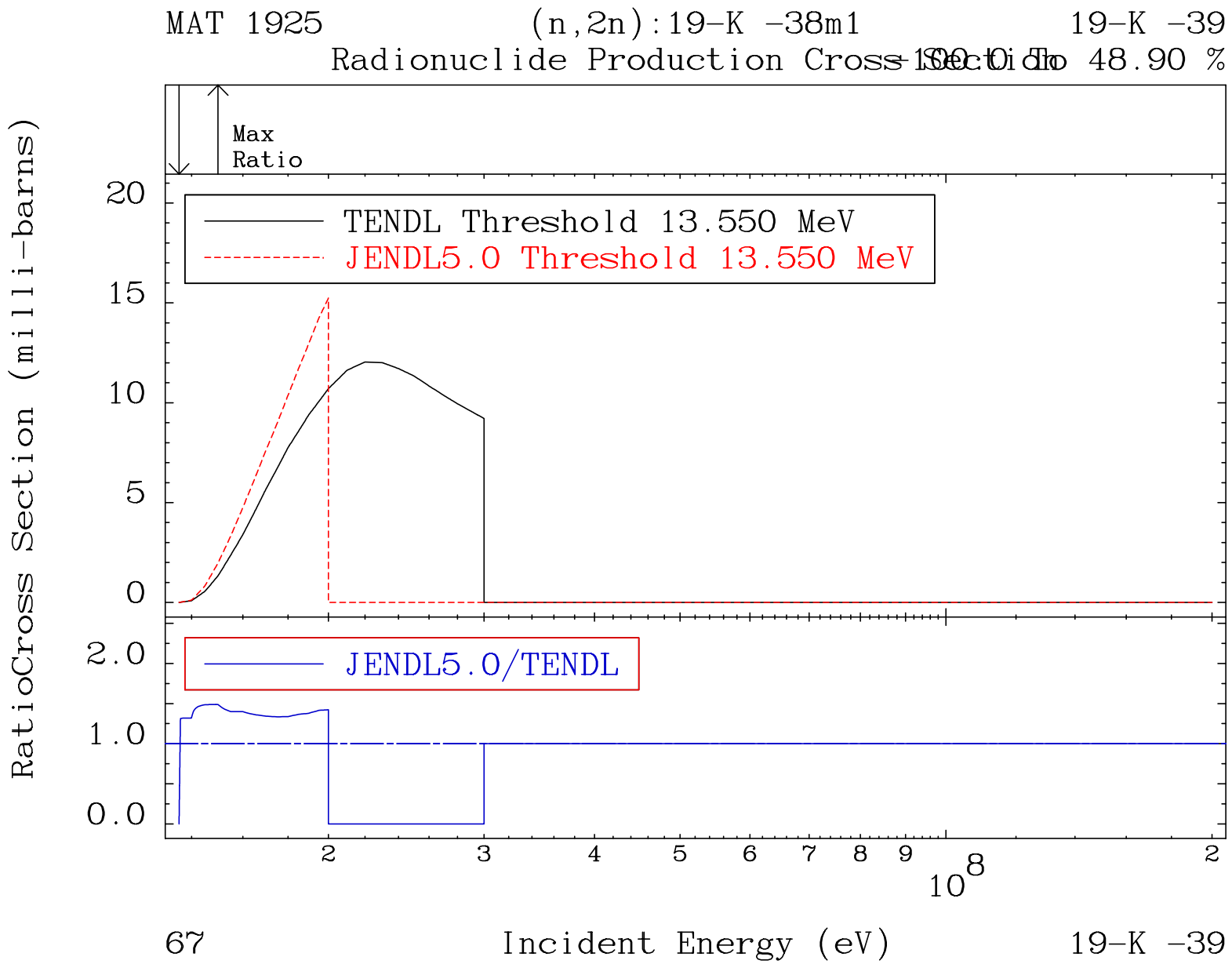

MAT 1925
Dpa total (eV-barns)
19-K -39
Cross Section -99.91 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
19-K -39

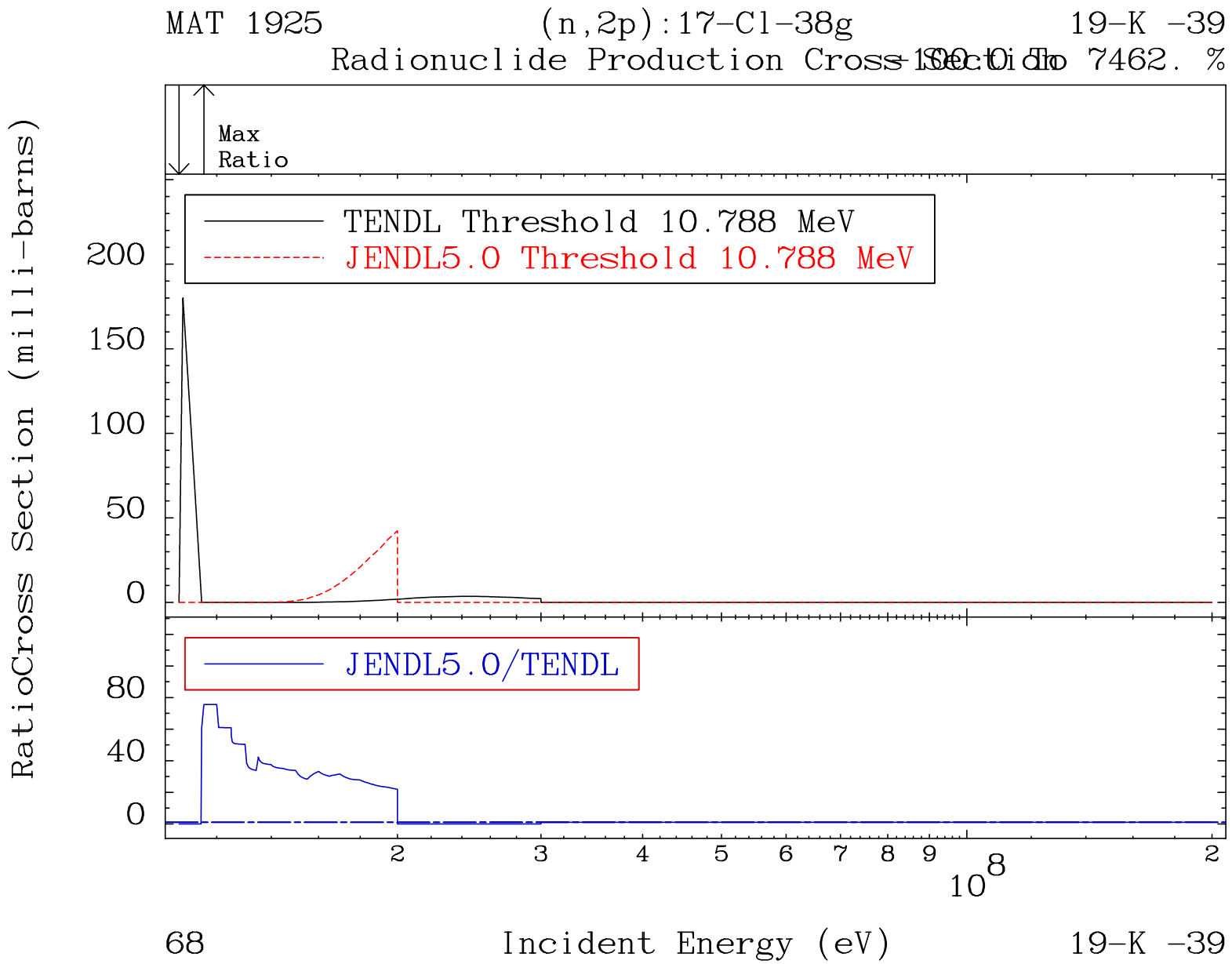

MAT 1925
Dpa elastic (mt2)
Cross Section
19-K -39
-99.91 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 237.50 eV
JENDL5.0 Threshold 237.50 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
19-K -39

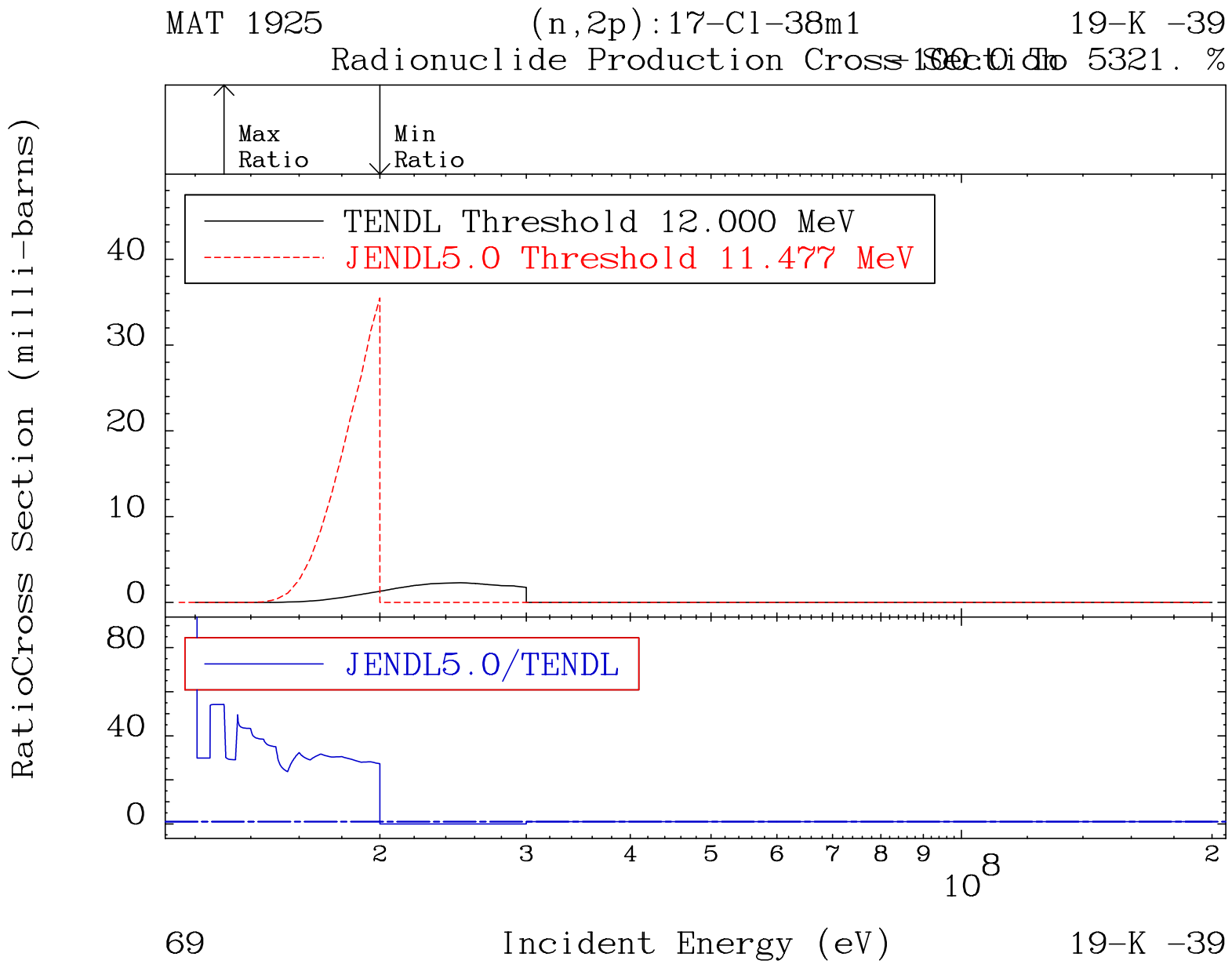

MAT 1925
Dpa inelastic (mt51-91)
19-K -39
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.5881 MeV
JENDL5.0 Threshold 105.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
64
19-K -39

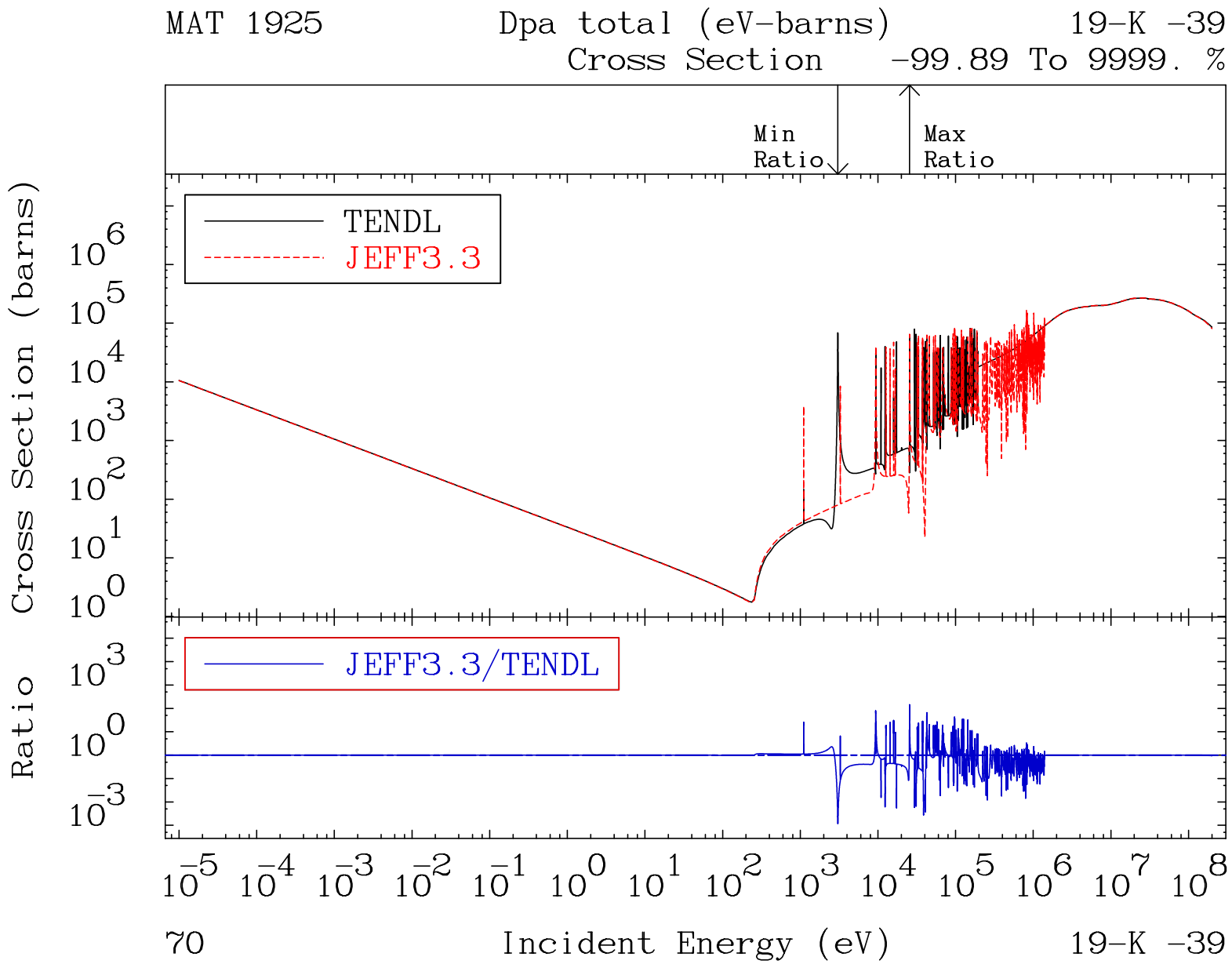

MAT 1925 Dpa disappearance (mt102 -120) 19-K -39
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
65
19-K -39

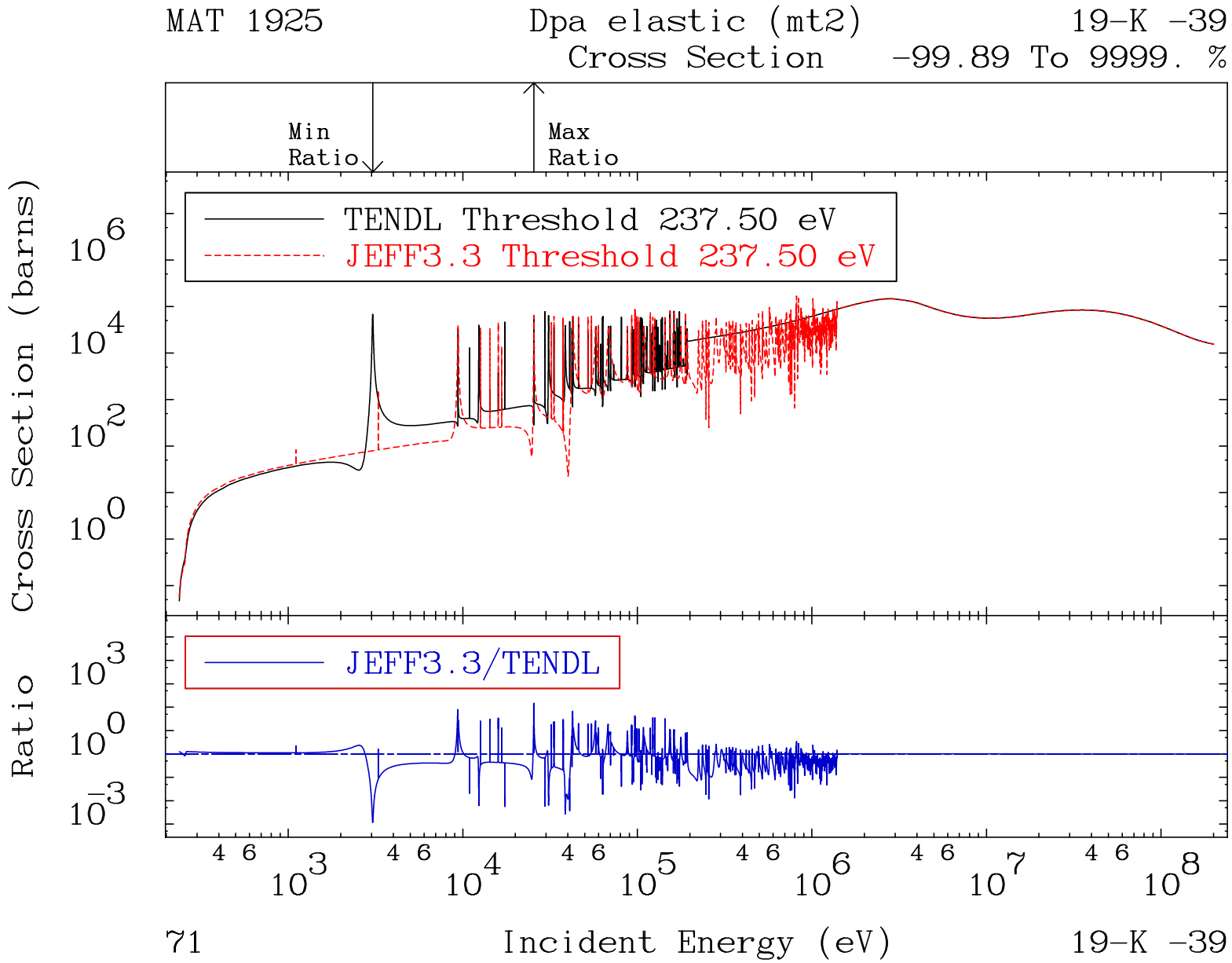

MAT 1925
(n,2n):19-K -38g
19-K -39
Radionuclide Production Cross Section To
Max Ratio
Min Ratio
TENDL Threshold 13.416 MeV
JENDL5.0 Threshold 13.416 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
66
19-K -39

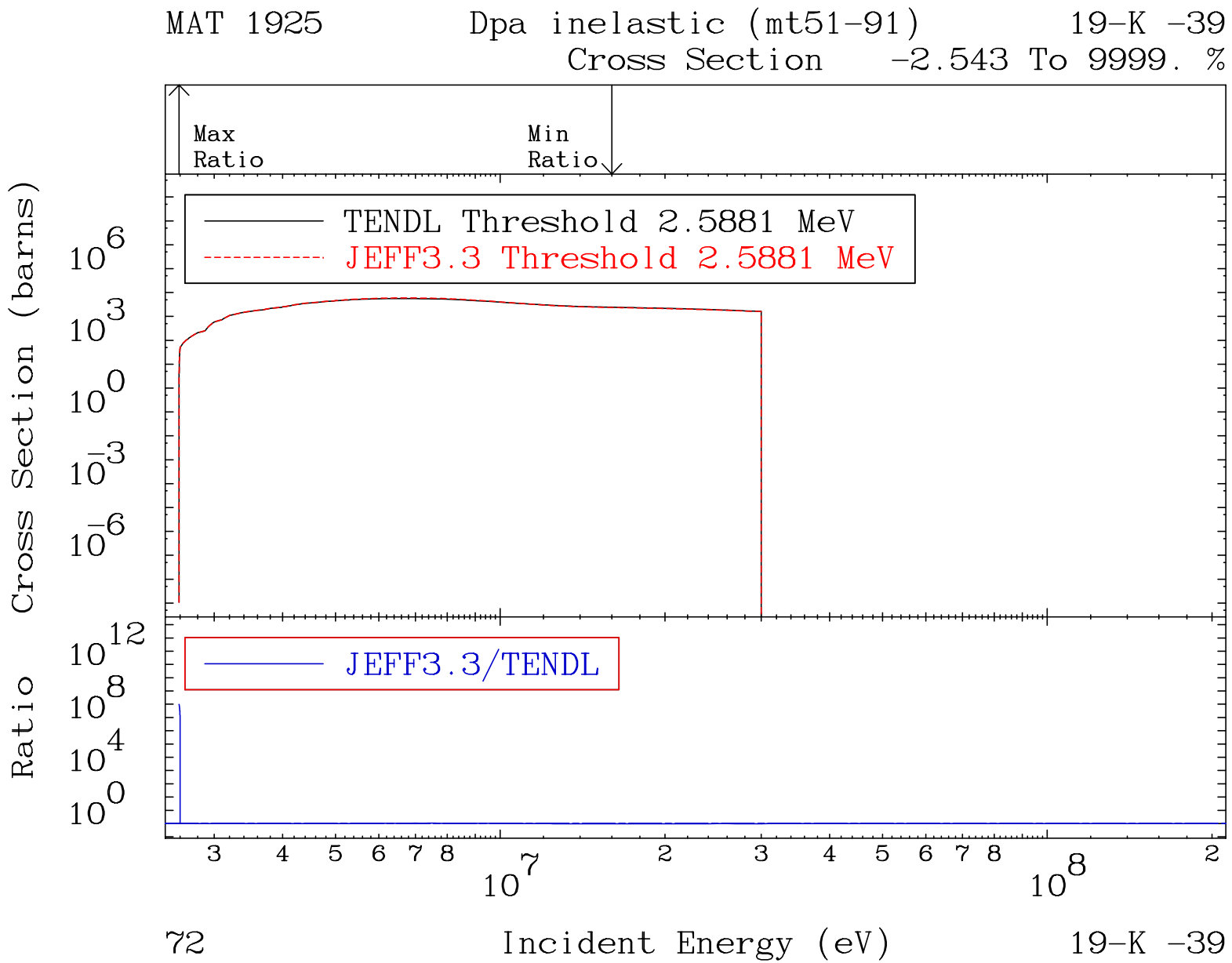

MAT 1925
(n,2n):19-K -38m1
19-K -39
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 13.550 MeV
JENDL5.0 Threshold 13.550 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
67
19-K -39

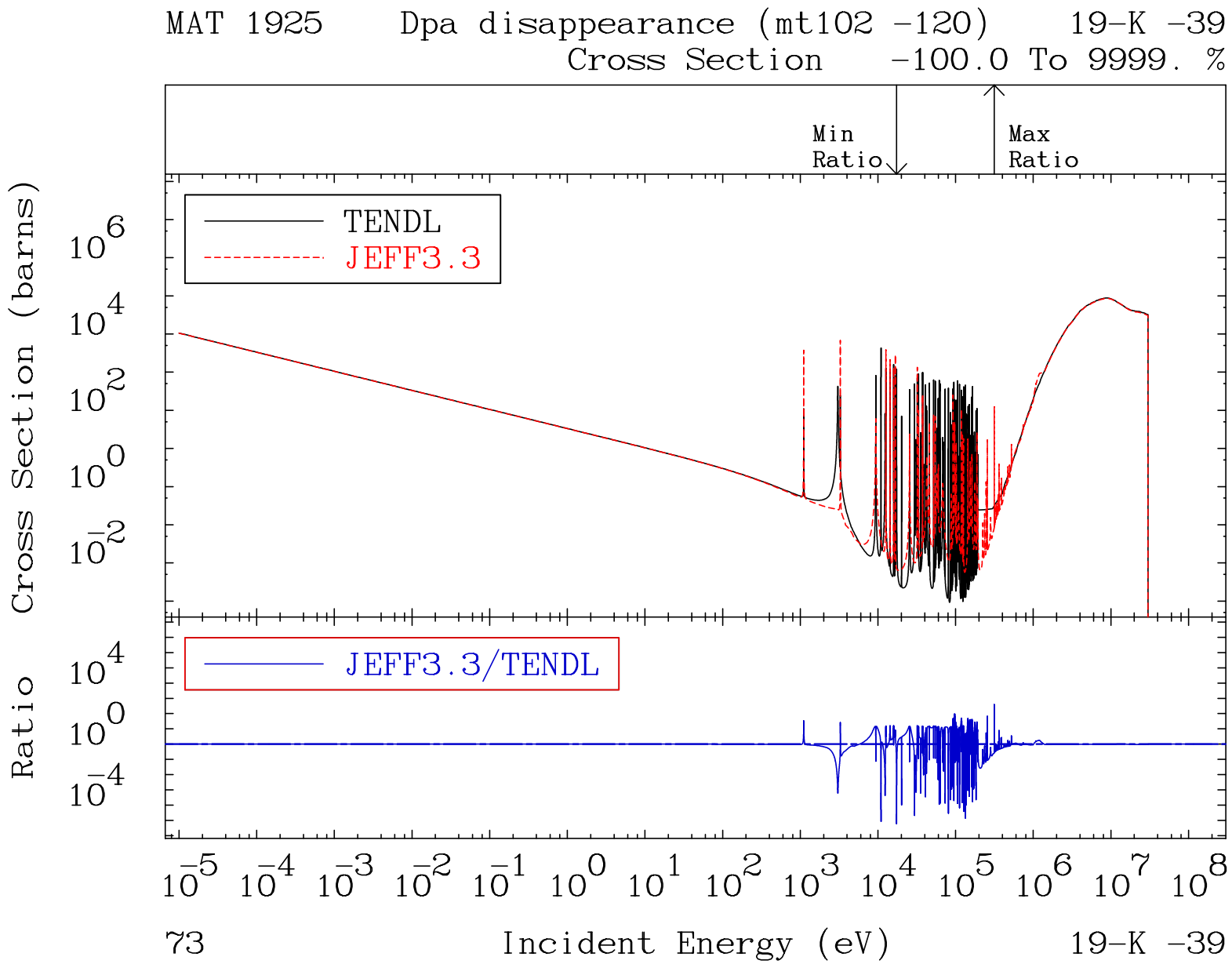

MAT 1925
(n,2p):17-Cl-38g
19-K -39
Radionuclide Production Cross Section To 7462. %
Max
Ratio
TENDL Threshold 10.788 MeV
JENDL5.0 Threshold 10.788 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
80
40
0
2
3
4
5
6
7
8
9
2
10^8
68
Incident Energy (eV)
19-K -39

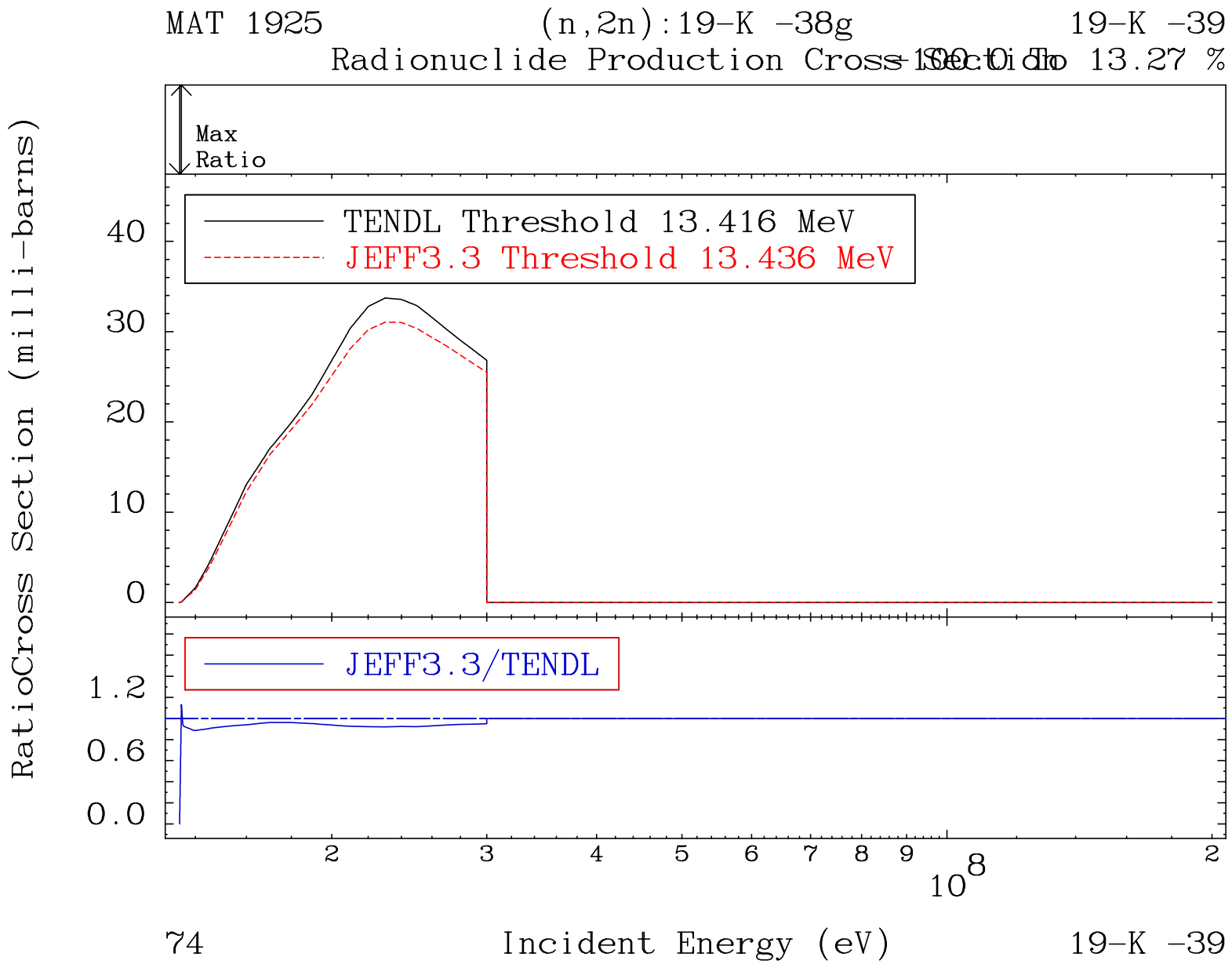

MAT 1925
(n,2p):17-Cl-38m1
19-K -39
Radionuclide Production Cross Section To 5321. %
Max Ratio
Min Ratio
TENDL Threshold 12.000 MeV
JENDL5.0 Threshold 11.477 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
80
40
0
2
3
4
5
6
7
8
9
2
10^8
69
Incident Energy (eV)
19-K -39

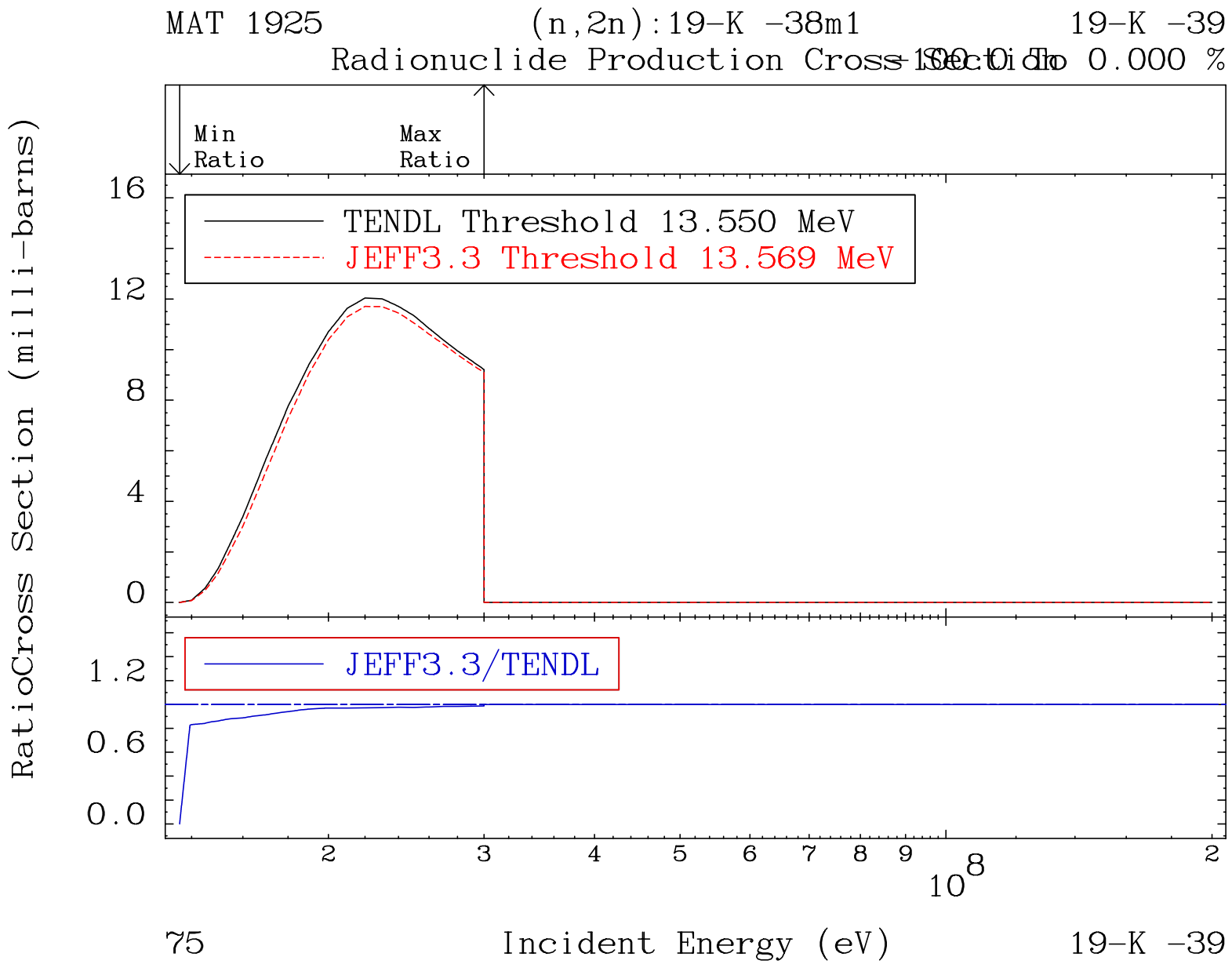

MAT 1925
Dpa total (eV-barns)
19-K -39
Cross Section
-99.89 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
70
19-K -39

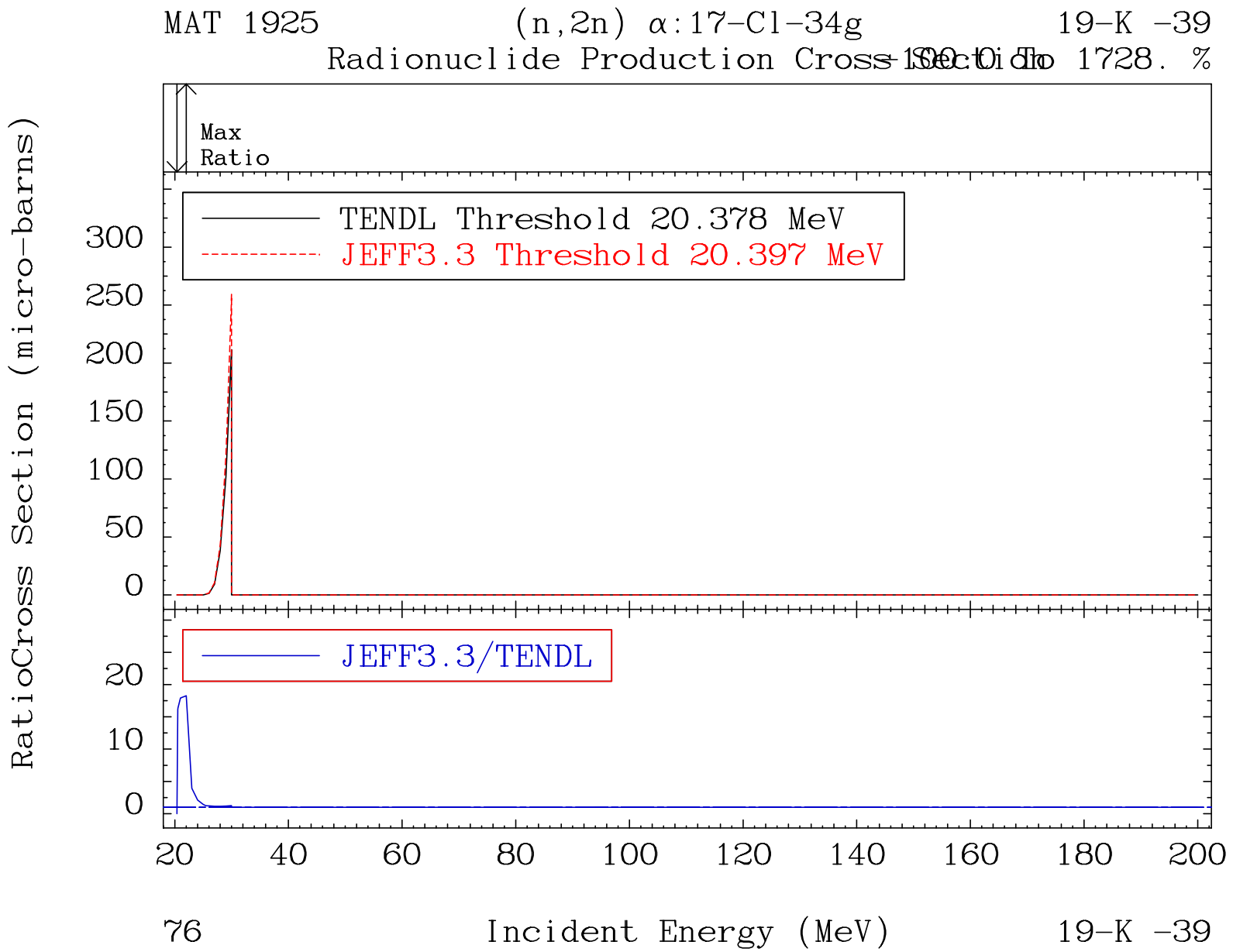

MAT 1925
Dpa elastic (mt2)
Cross Section
19-K -39
-99.89 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 237.50 eV
JEFF3.3 Threshold 237.50 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
71
19-K -39

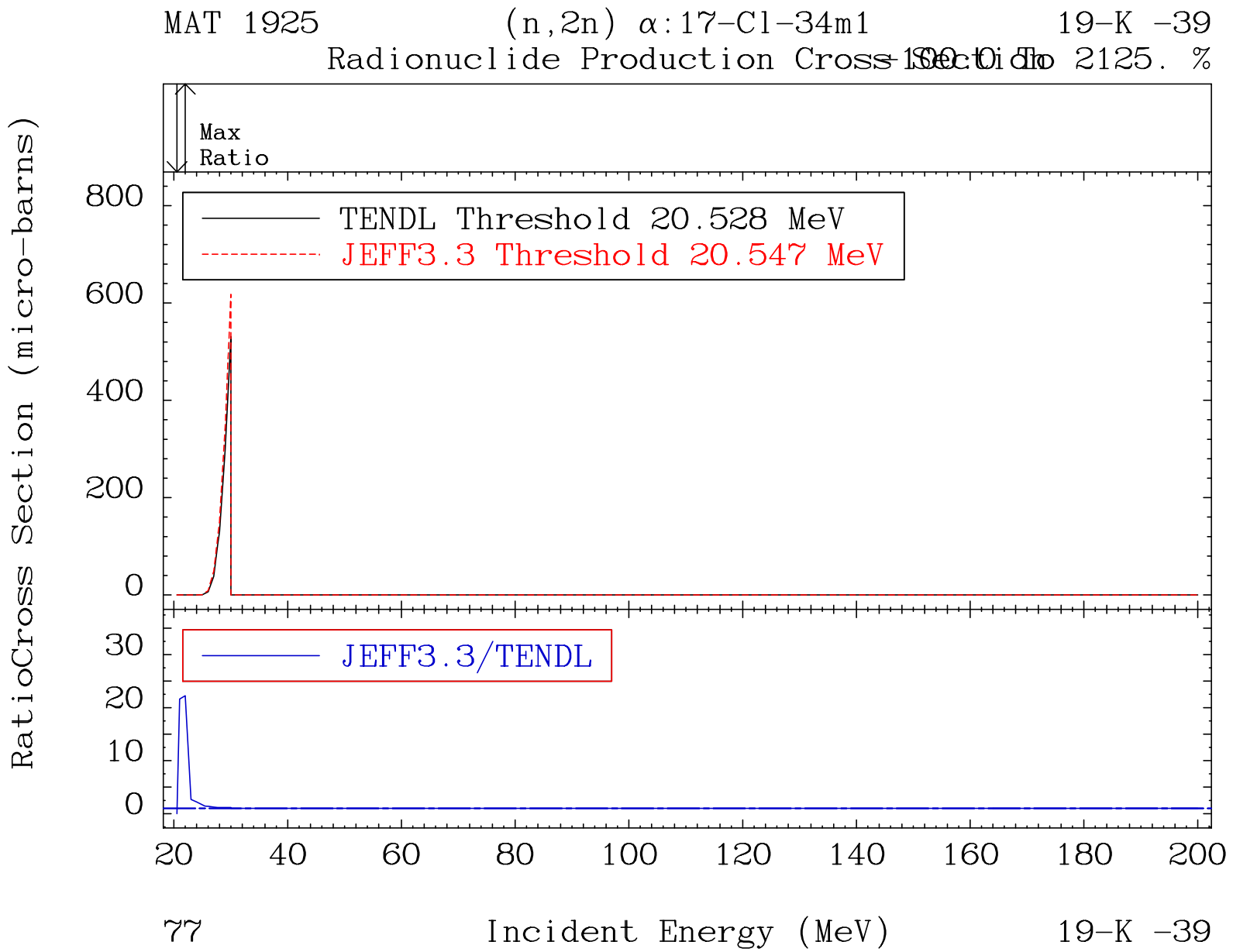

MAT 1925
Dpa inelastic (mt51-91)
19-K -39
Cross Section -2.543 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.5881 MeV
JEFF3.3 Threshold 2.5881 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
72
19-K -39

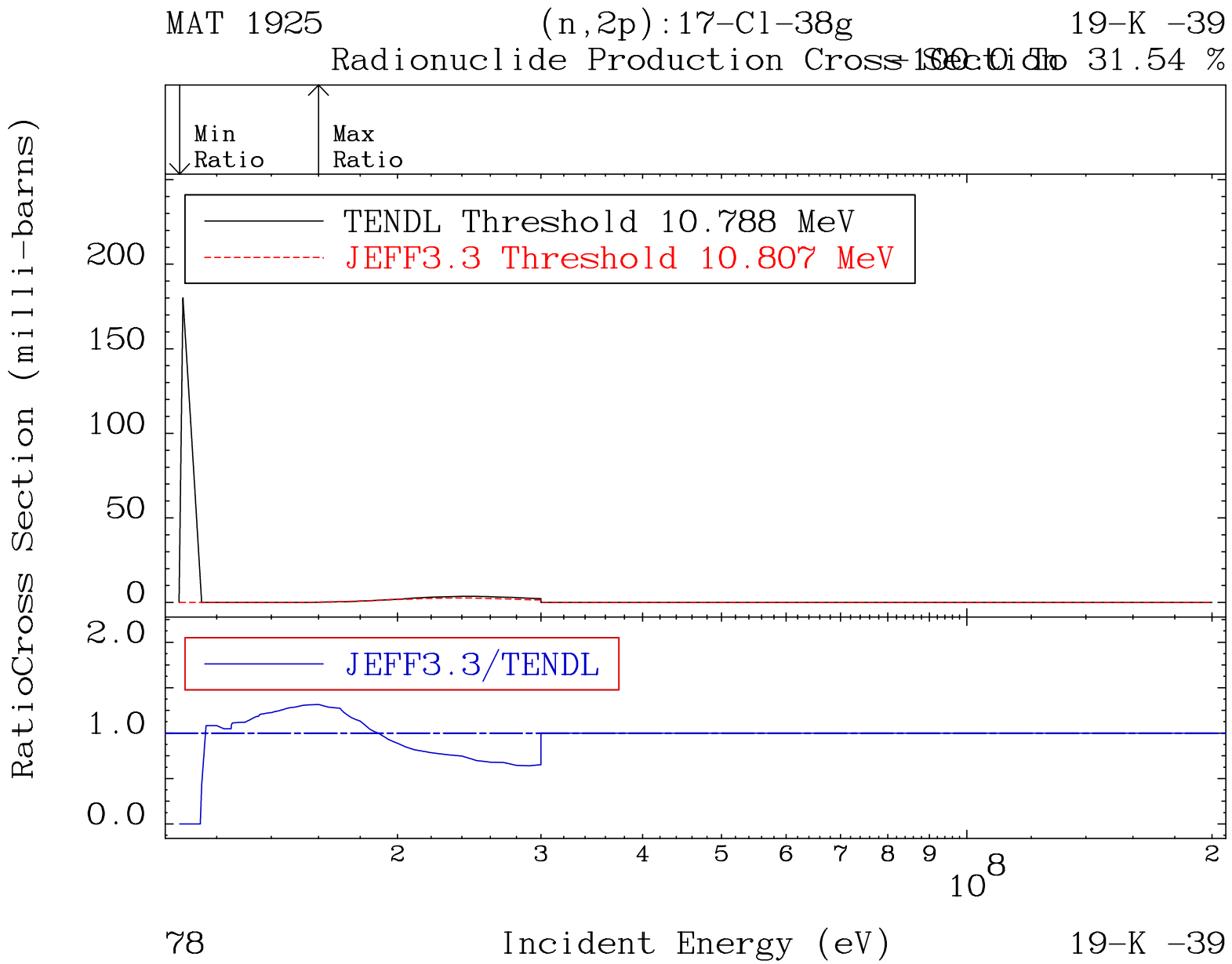

MAT 1925 Dpa disappearance (mt102 -120) 19-K -39
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
73
19-K -39

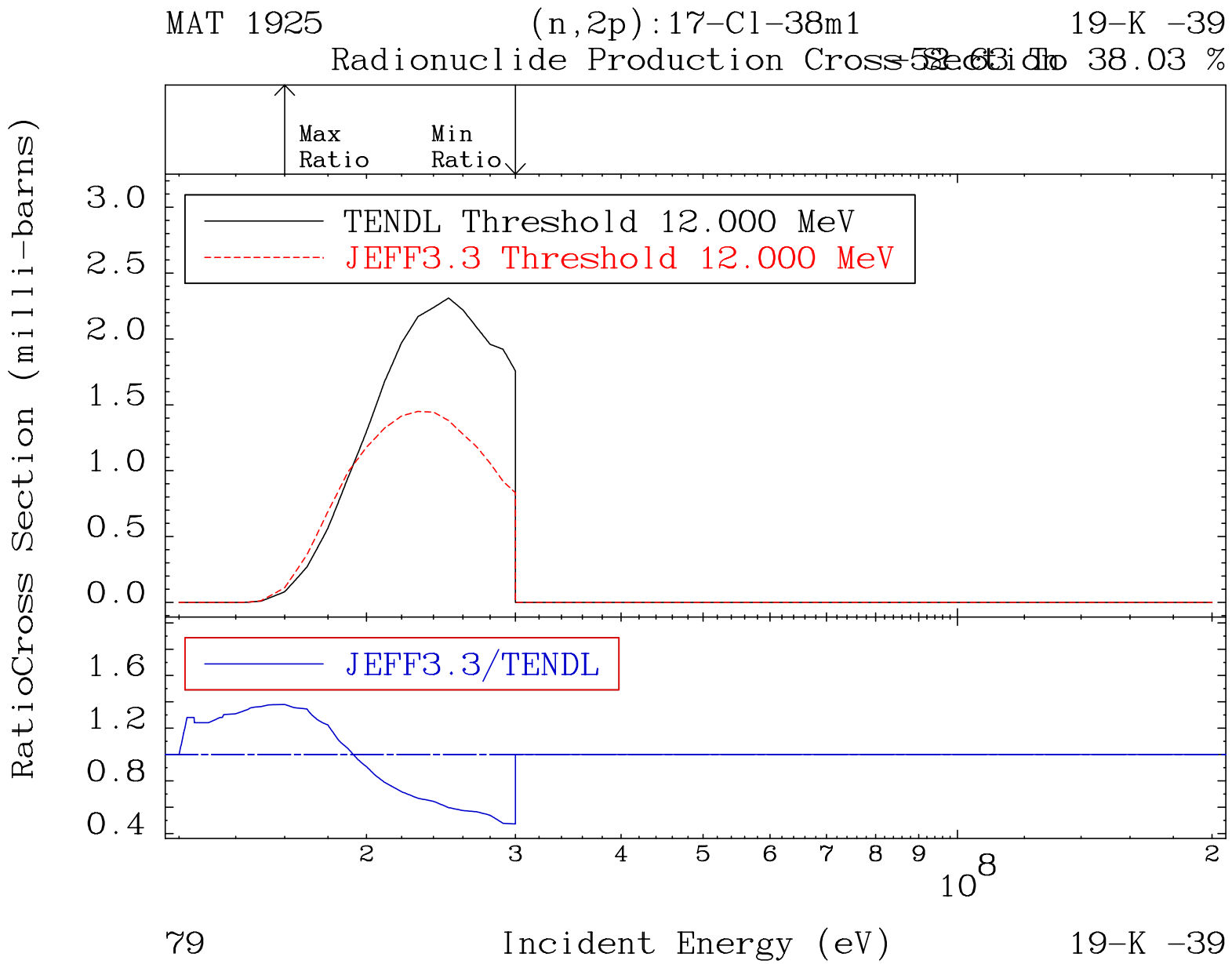

MAT 1925
(n,2n):19-K -38g
19-K -39
Radionuclide Production Cross Section To 13.27 %
Max
Ratio
TENDL Threshold 13.416 MeV
JEFF3.3 Threshold 13.436 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
74
Incident Energy (eV)
19-K -39


MAT 1925
(n,2n):19-K -38m1
19-K -39
Radionuclide Production Cross Section
Uncertainty 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 13.550 MeV
JEFF3.3 Threshold 13.569 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
75
Incident Energy (eV)
19-K -39


MAT 1925
(n,2n) α:17-Cl-34g
19-K -39
Radionuclide Production Cross Section To 1728. %
Max
Ratio
TENDL Threshold 20.378 MeV
JEFF3.3 Threshold 20.397 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
300
250
200
150
100
50
0
20
10
0
20
40
60
80
100
120
140
160
180
200
76
Incident Energy (MeV)
19-K -39


MAT 1925
(n,2n) α:17-Cl-34m1
19-K -39
Radionuclide Production Cross Section To 2125. %
Max
Ratio
800
600
400
200
0
TENDL Threshold 20.528 MeV
JEFF3.3 Threshold 20.547 MeV
30
20
10
0
JEFF3.3/TENDL
RatioCross Section (micro-barns)
20
40
60
80
100
120
140
160
180
200
77
Incident Energy (MeV)
19-K -39


MAT 1925
(n,2p):17-Cl-38g
19-K -39
Radionuclide Production Cross Section To
Min Ratio
Max Ratio
TENDL Threshold 10.788 MeV
JEFF3.3 Threshold 10.807 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
78
Incident Energy (eV)
19-K -39


MAT 1925
(n,2p):17-Cl-38m1
19-K -39
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 12.000 MeV
JEFF3.3 Threshold 12.000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
79
19-K -39