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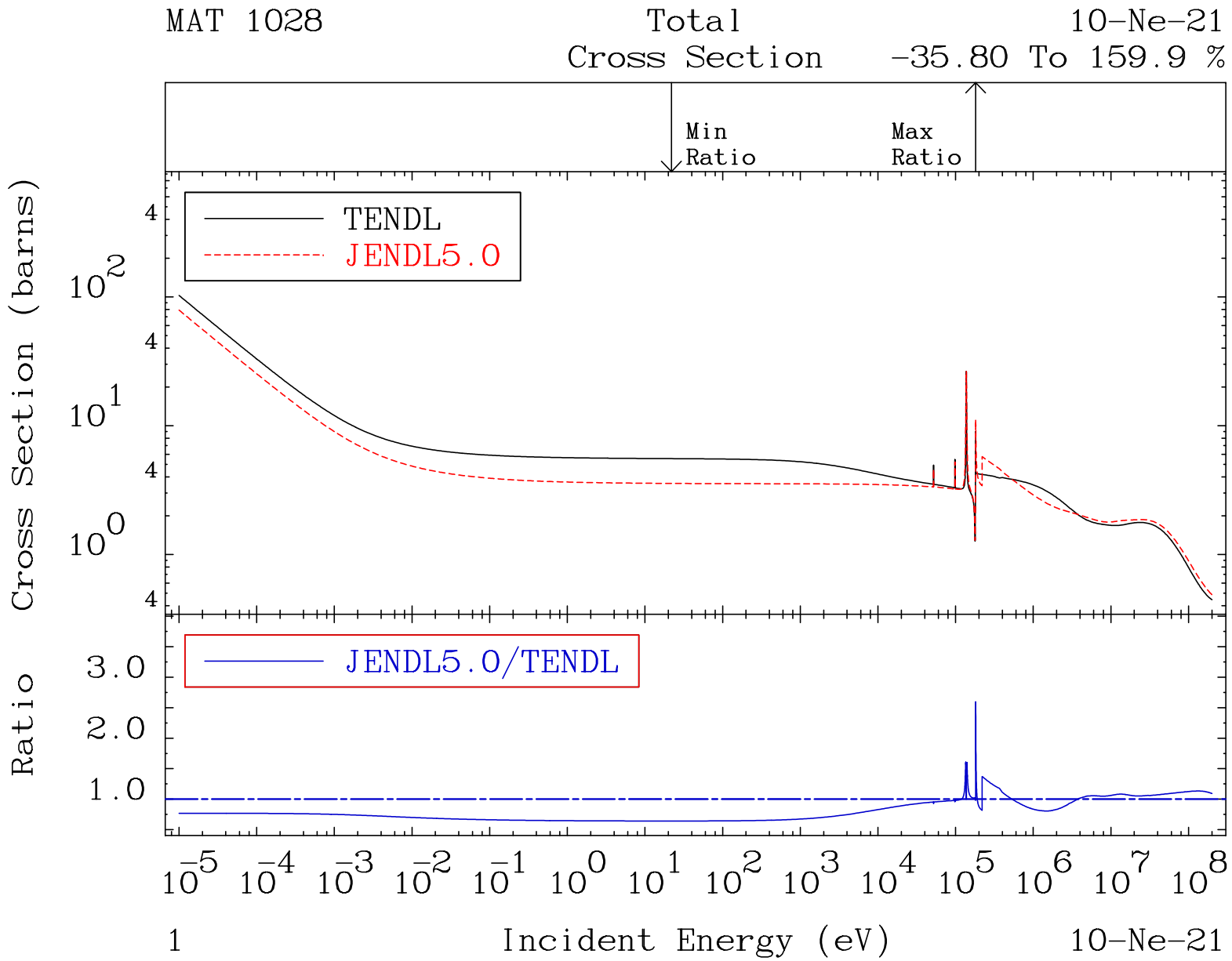
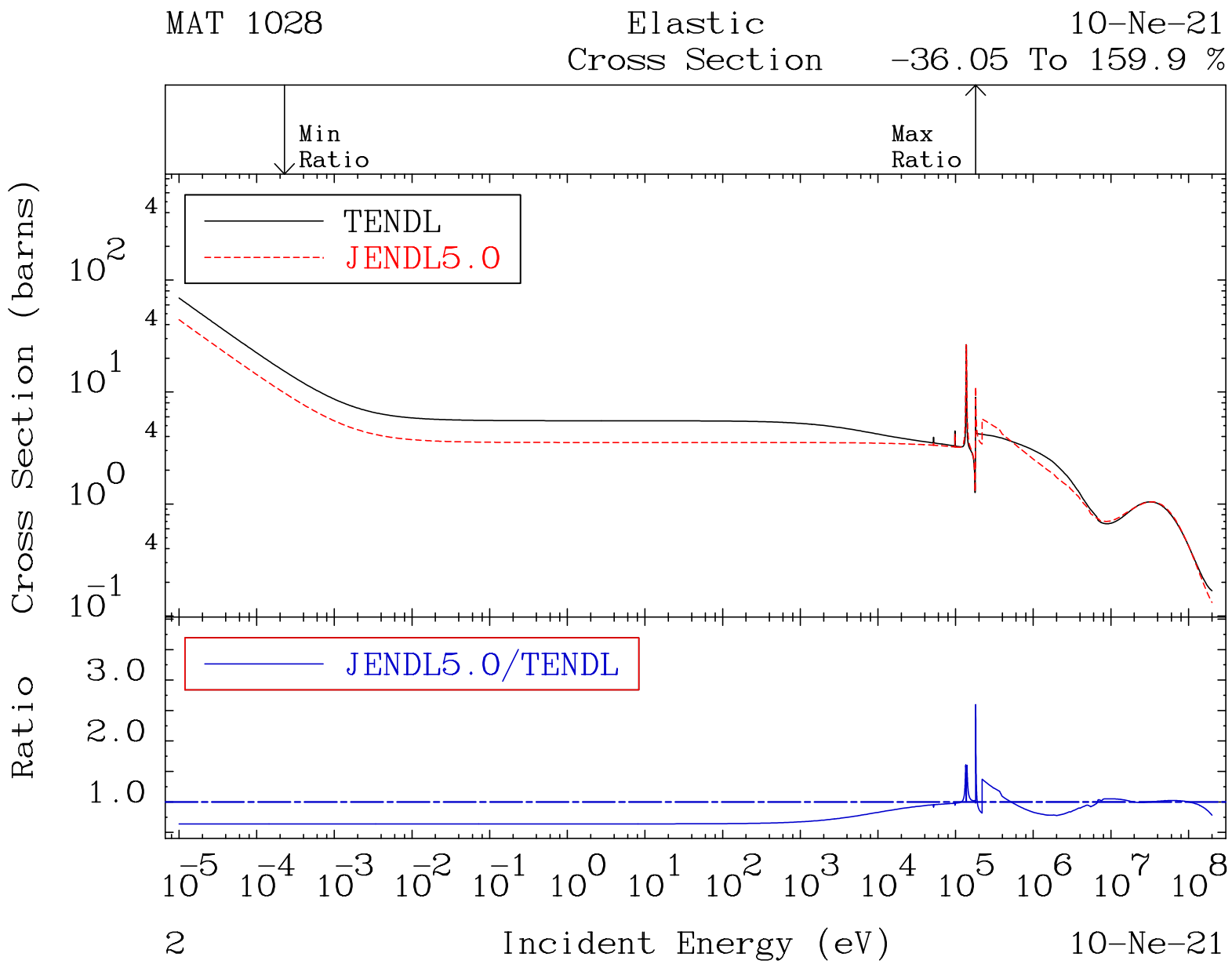
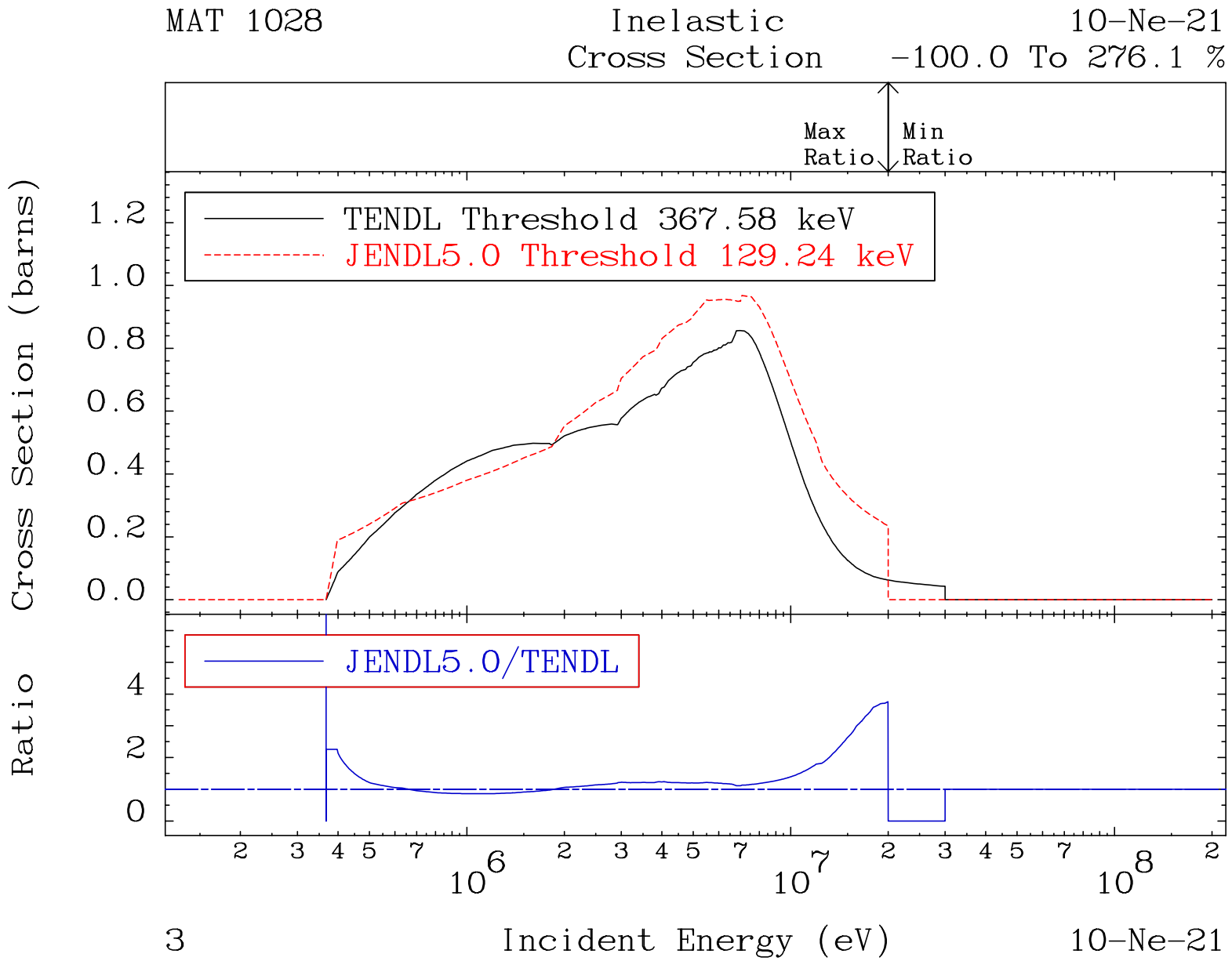
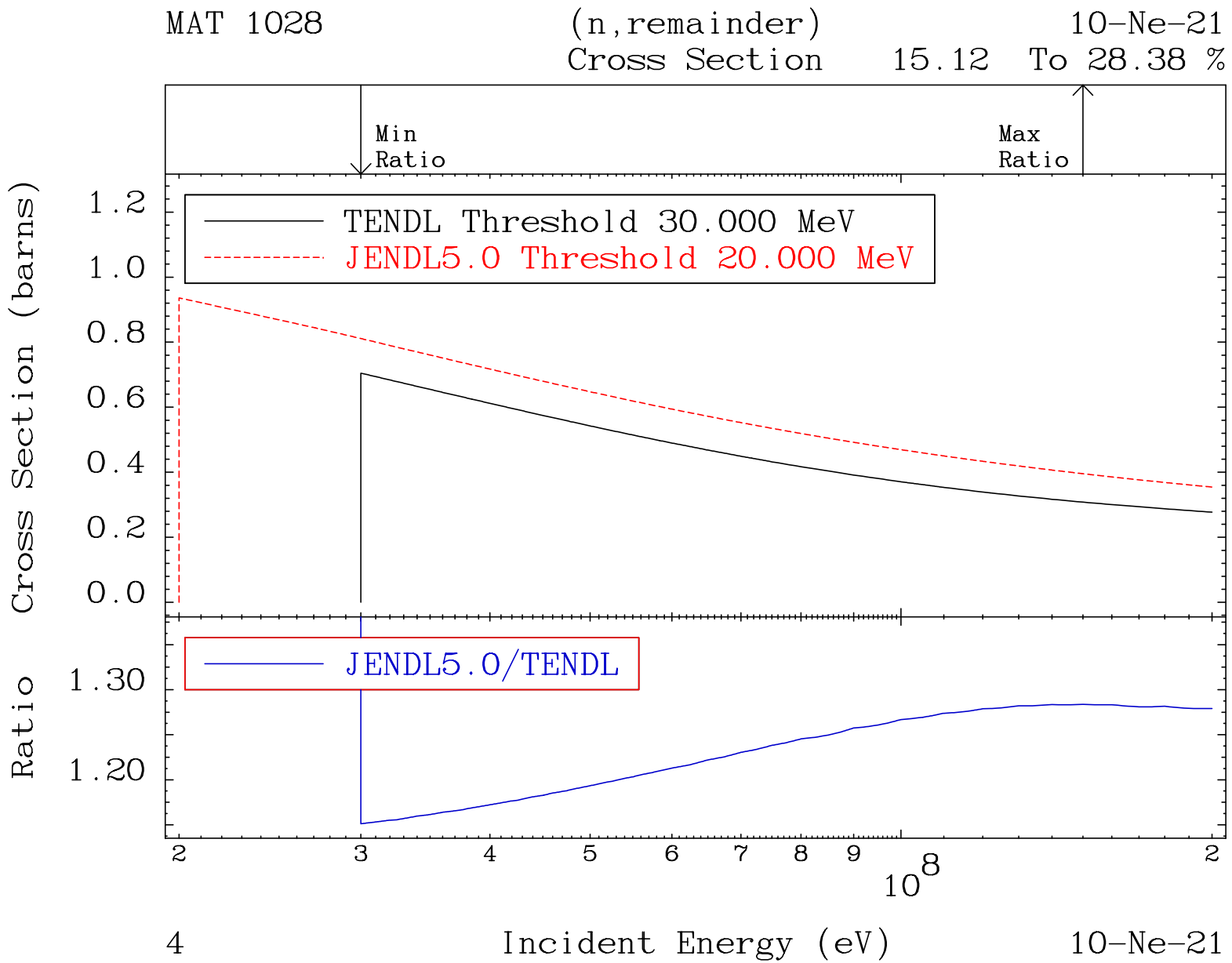
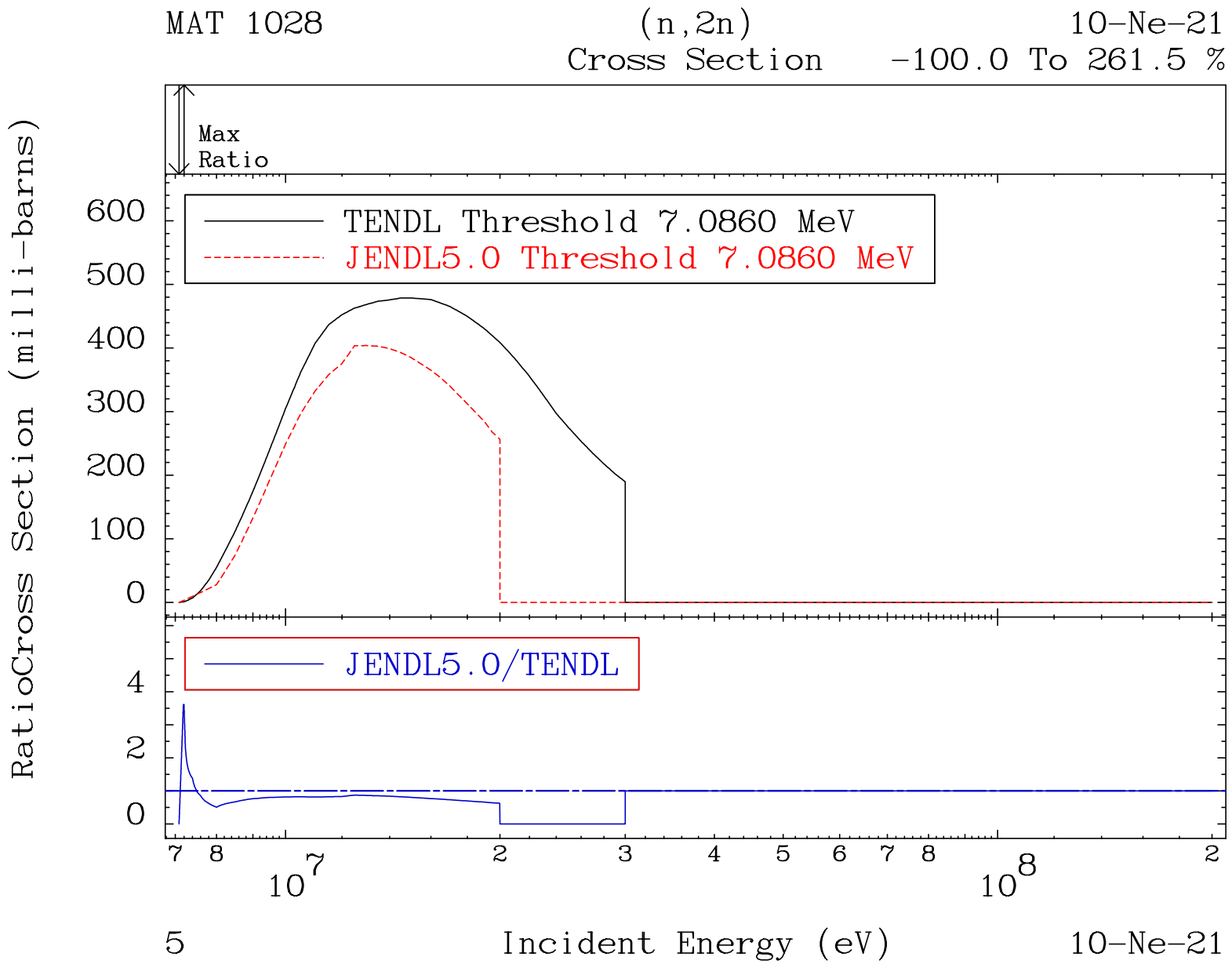
Press Mouse Button to Start

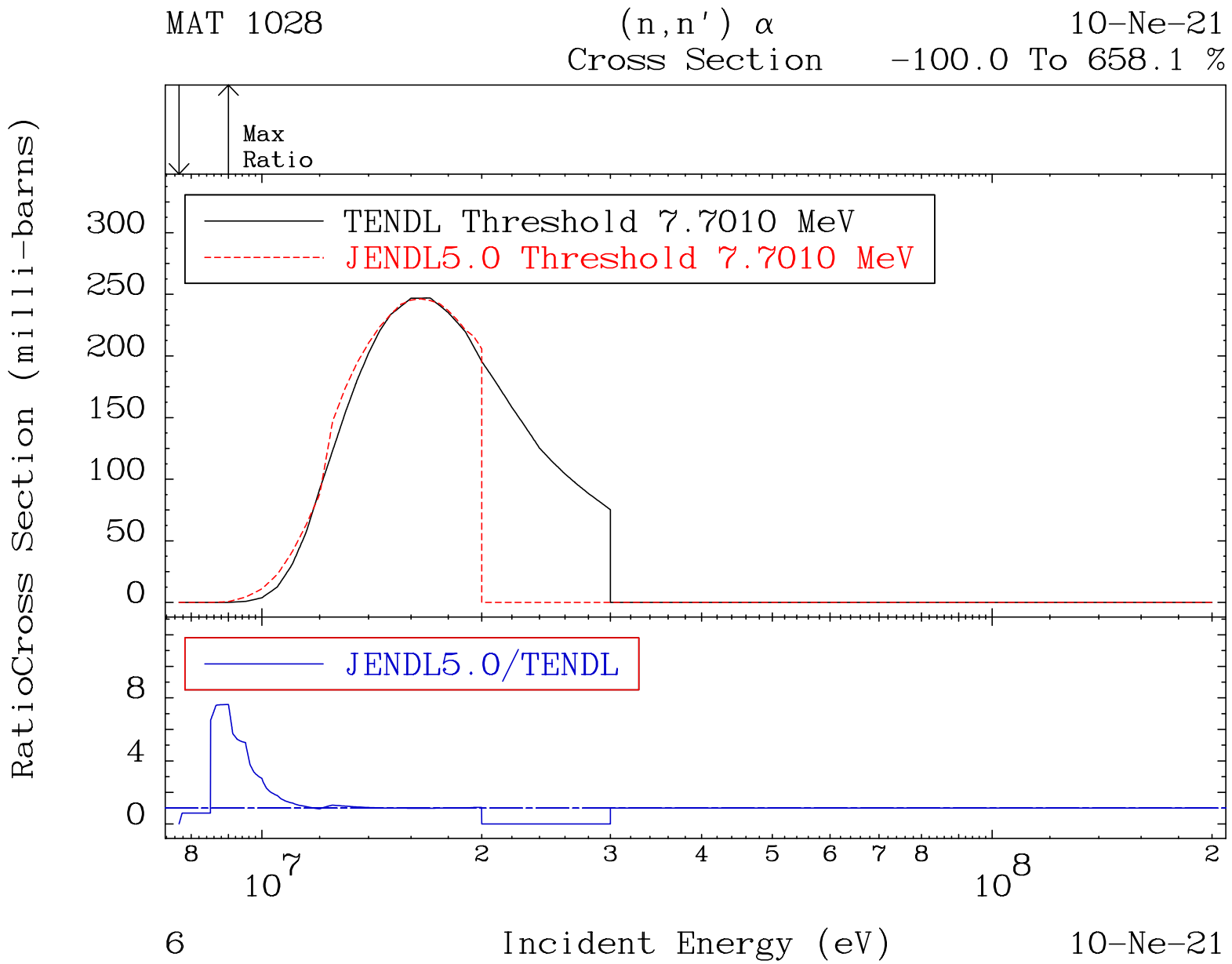

MAT 1028
Total
Cross Section
10-Ne-21
-35.80 To 159.9 %
Min
Ratio
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
1
10-Ne-21

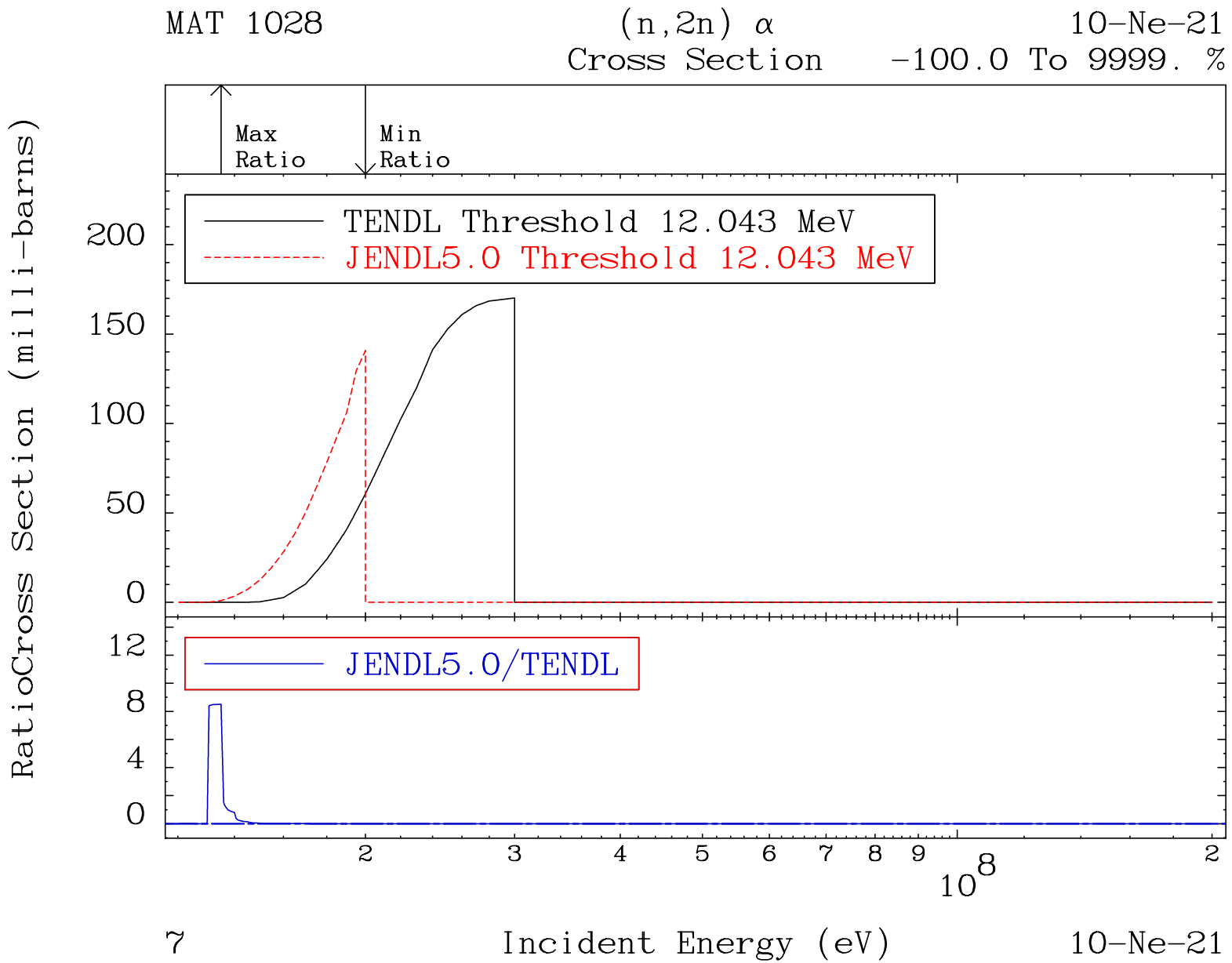

MAT 1028
Elastic
Cross Section
10-Ne-21
-36.05 To 159.9 %
Min
Ratio
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
2
10-Ne-21

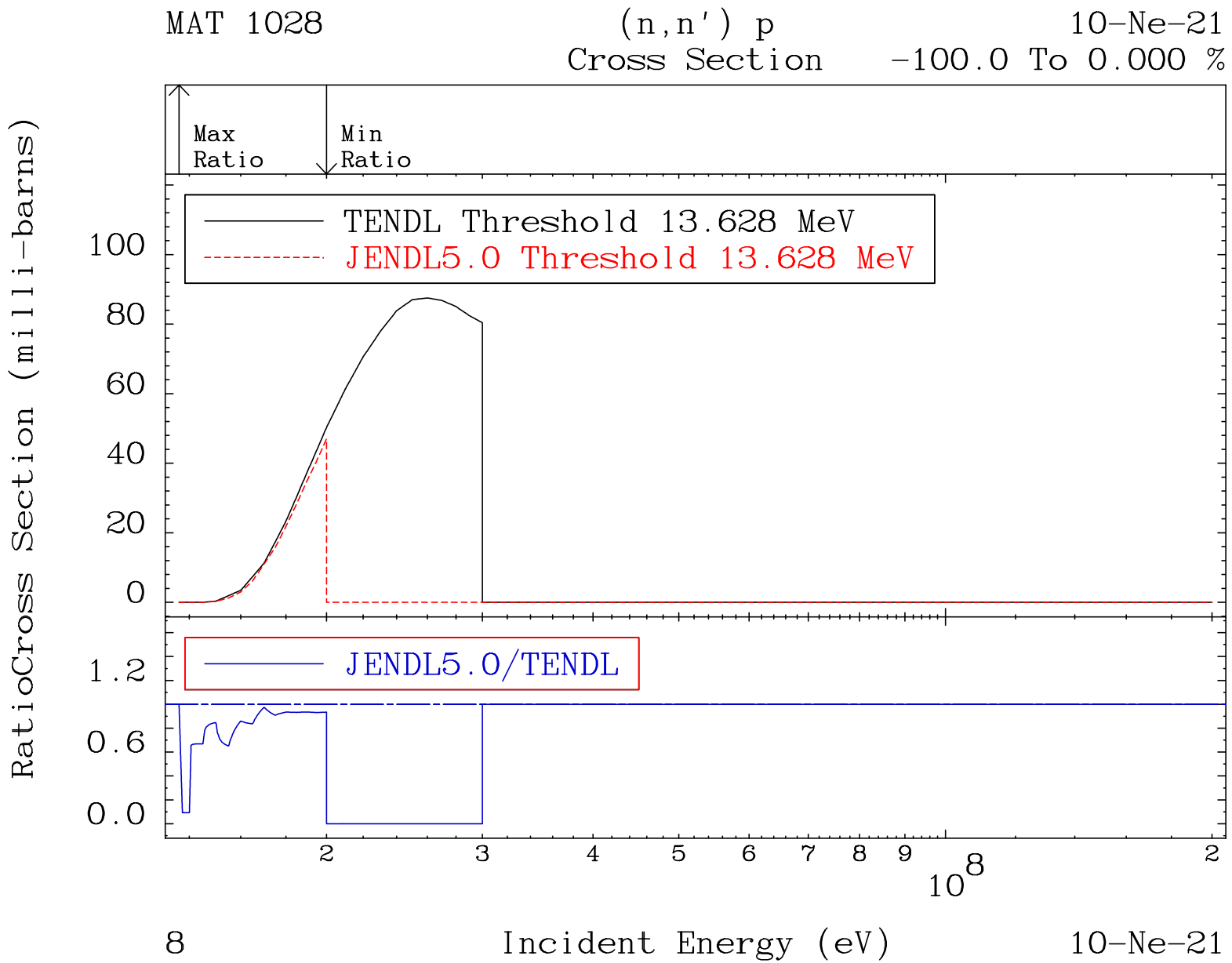

MAT 1028
Inelastic
Cross Section
10-Ne-21
-100.0 To 276.1 %
Max Ratio
Min Ratio
TENDL Threshold 367.58 keV
JENDL5.0 Threshold 129.24 keV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
4
2
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
3
Incident Energy (eV)
10-Ne-21

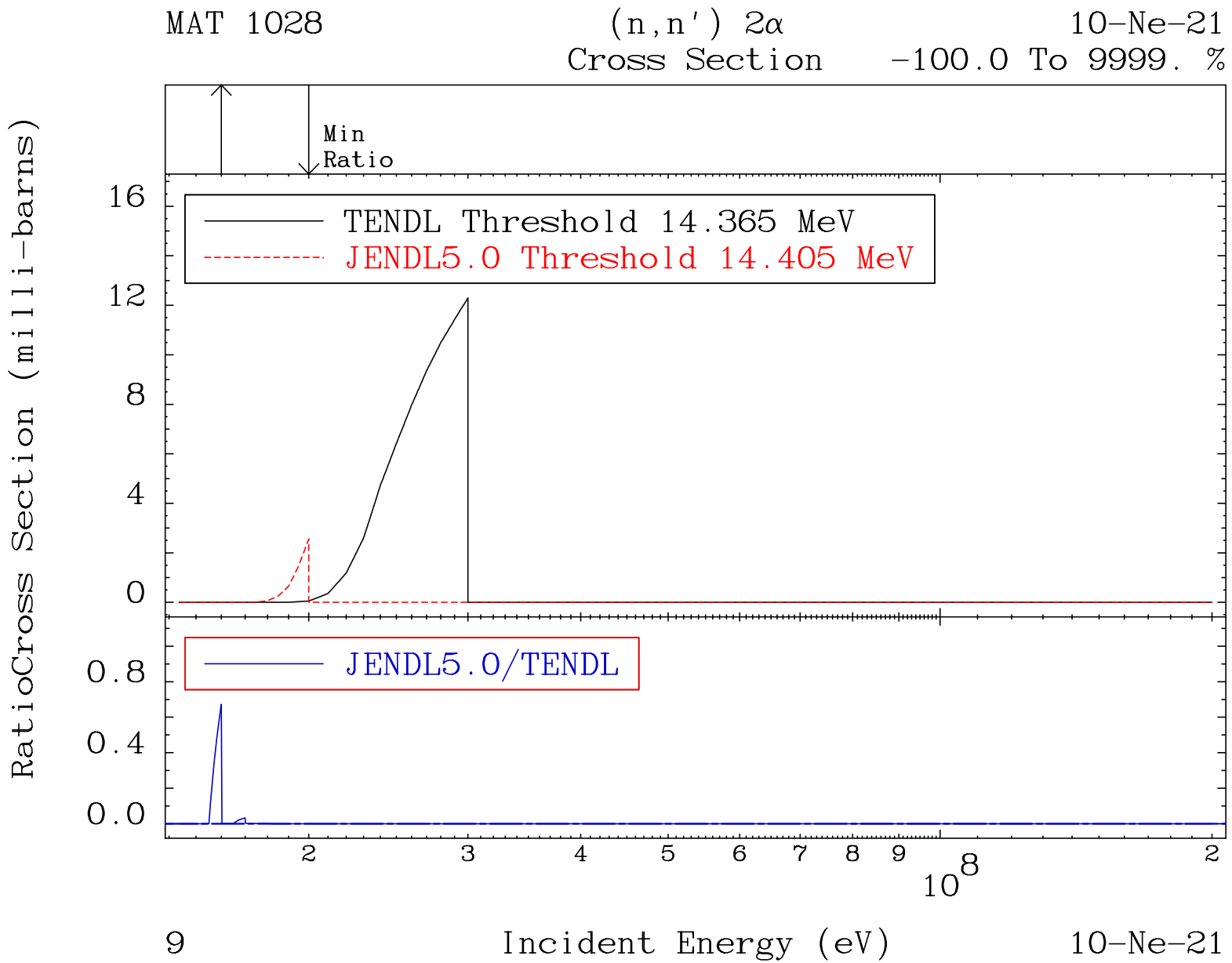

MAT 1028
(n,remainder)
Cross Section
10-Ne-21
15.12 To 28.38 %
Min Ratio
Max Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1.30
1.20
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
10-Ne-21

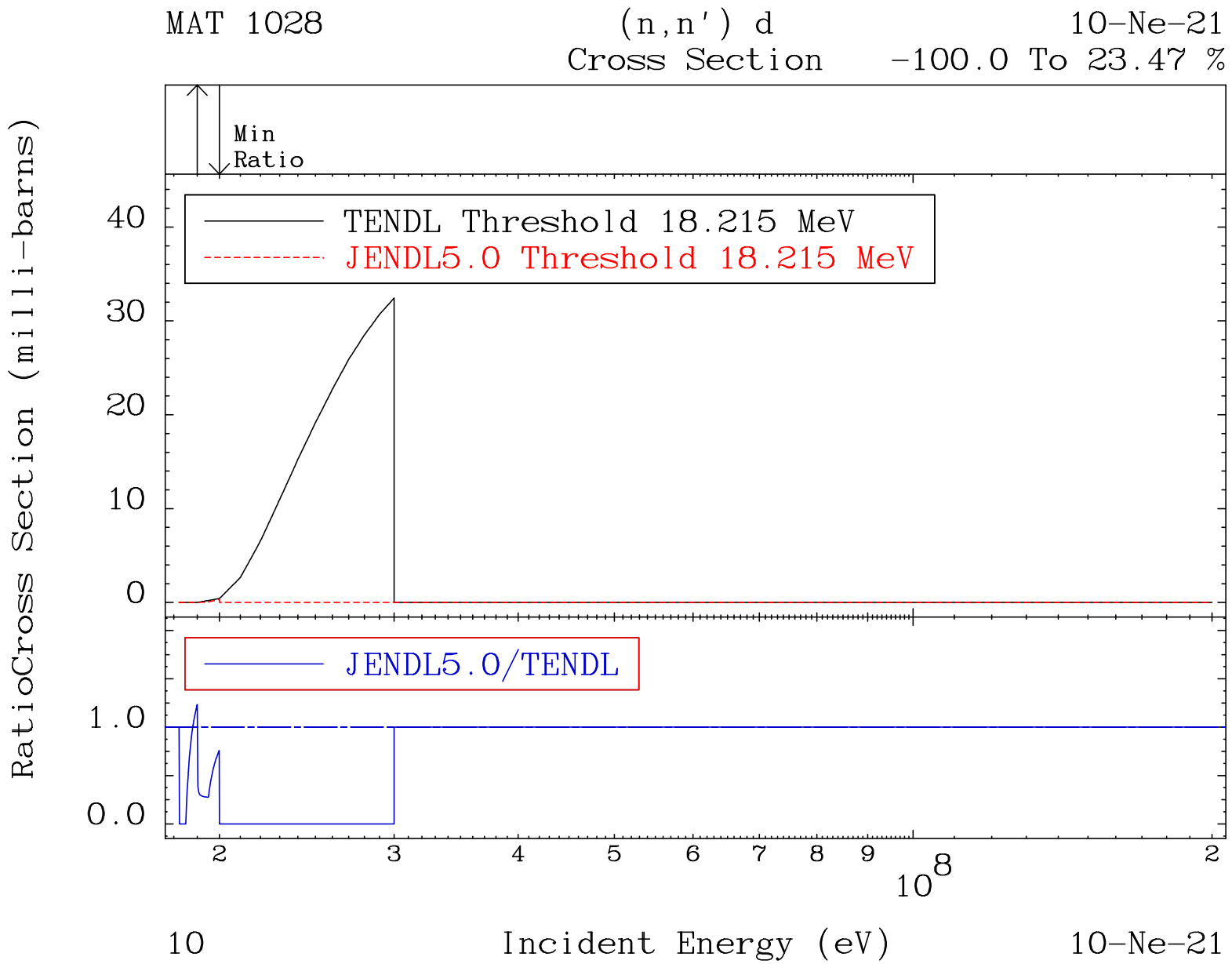

MAT 1028
(n,2n)
Cross Section
10-Ne-21
-100.0 To 261.5 %
Max
Ratio
TENDL Threshold 7.0860 MeV
JENDL5.0 Threshold 7.0860 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
4
2
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
5
10-Ne-21

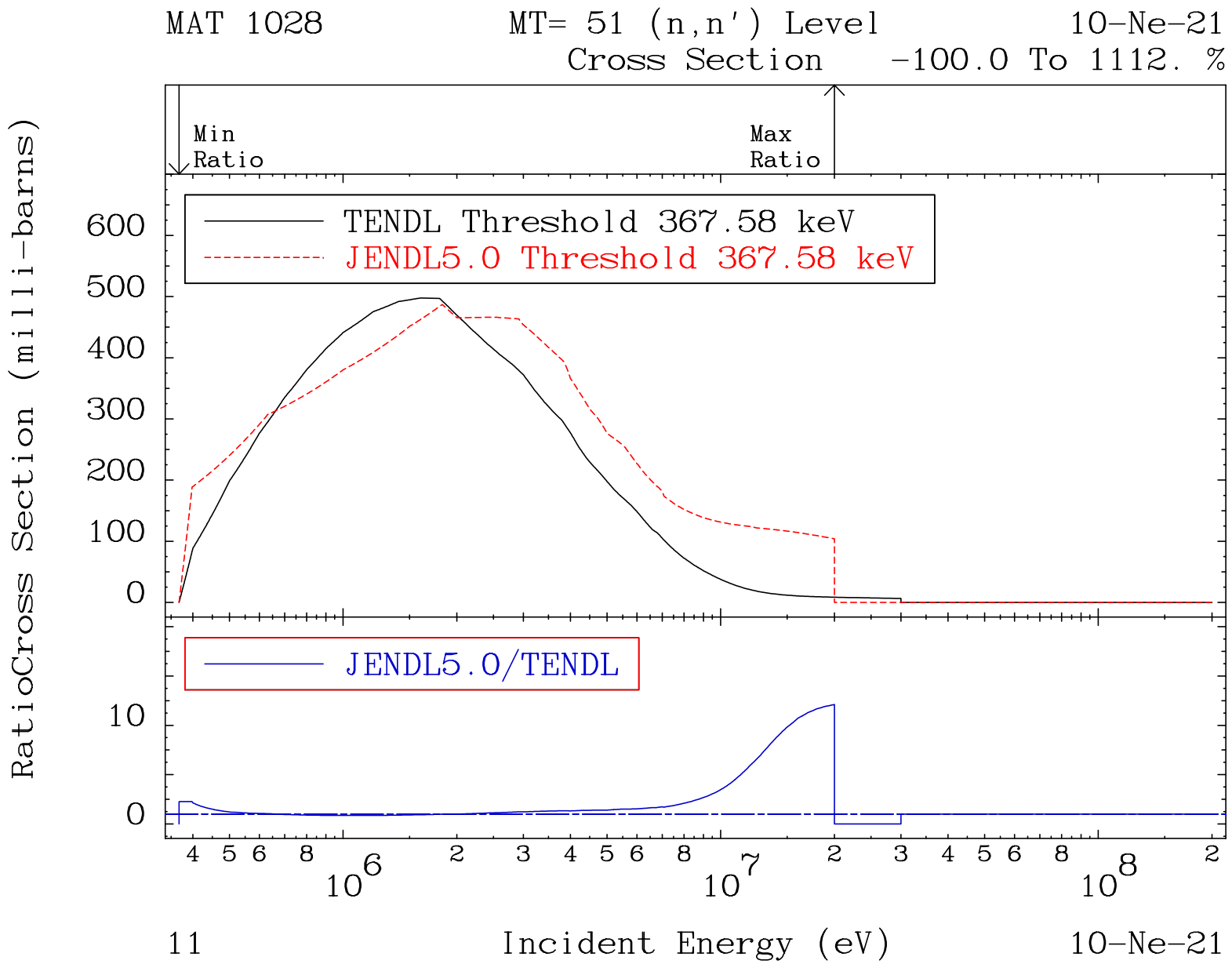

MAT 1028
(n,n') α
Cross Section
10-Ne-21
-100.0 To 658.1 %
Max
Ratio
TENDL Threshold 7.7010 MeV
JENDL5.0 Threshold 7.7010 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
8
4
0
8
2
3
4
5
6
7
8
2
10^7
10^8
6
Incident Energy (eV)
10-Ne-21

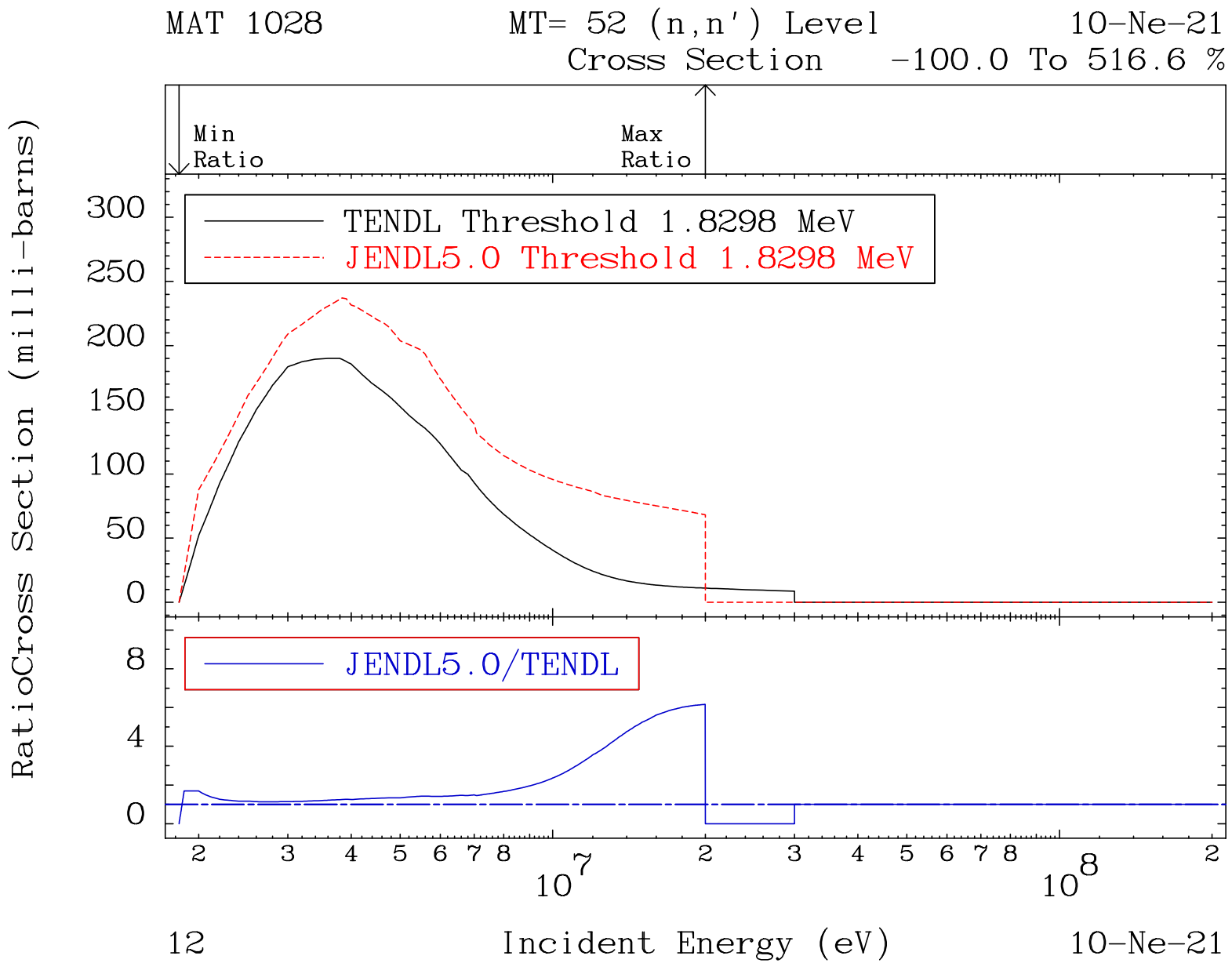

MAT 1028
(n,2n) α
Cross Section
10-Ne-21
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 12.043 MeV
JENDL5.0 Threshold 12.043 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
12
8
4
0
2
3
4
5
6
7
8
9
2
10^8
7
Incident Energy (eV)
10-Ne-21

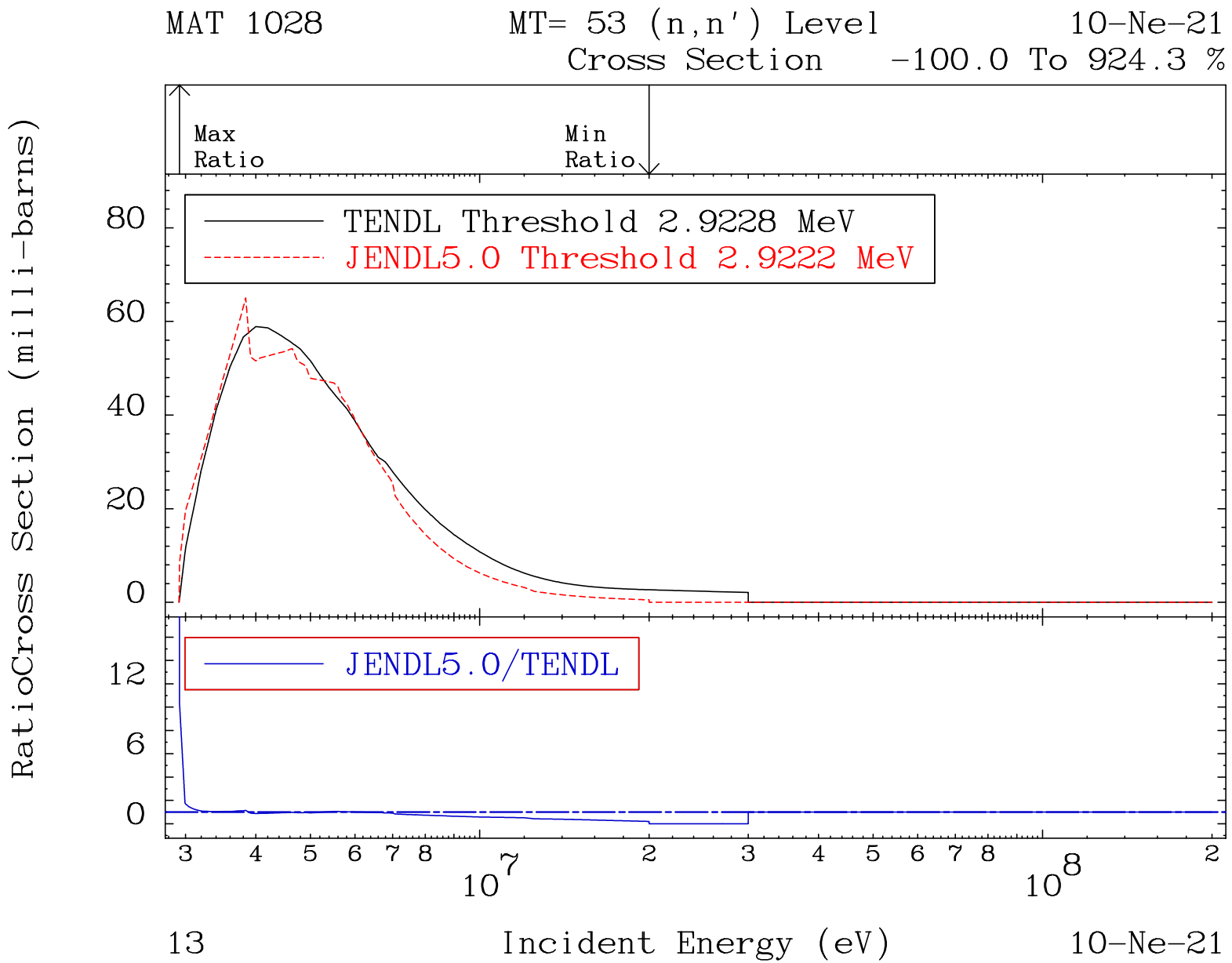

MAT 1028
(n,n') p
Cross Section
10-Ne-21
-100.0 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 13.628 MeV
JENDL5.0 Threshold 13.628 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
10-Ne-21

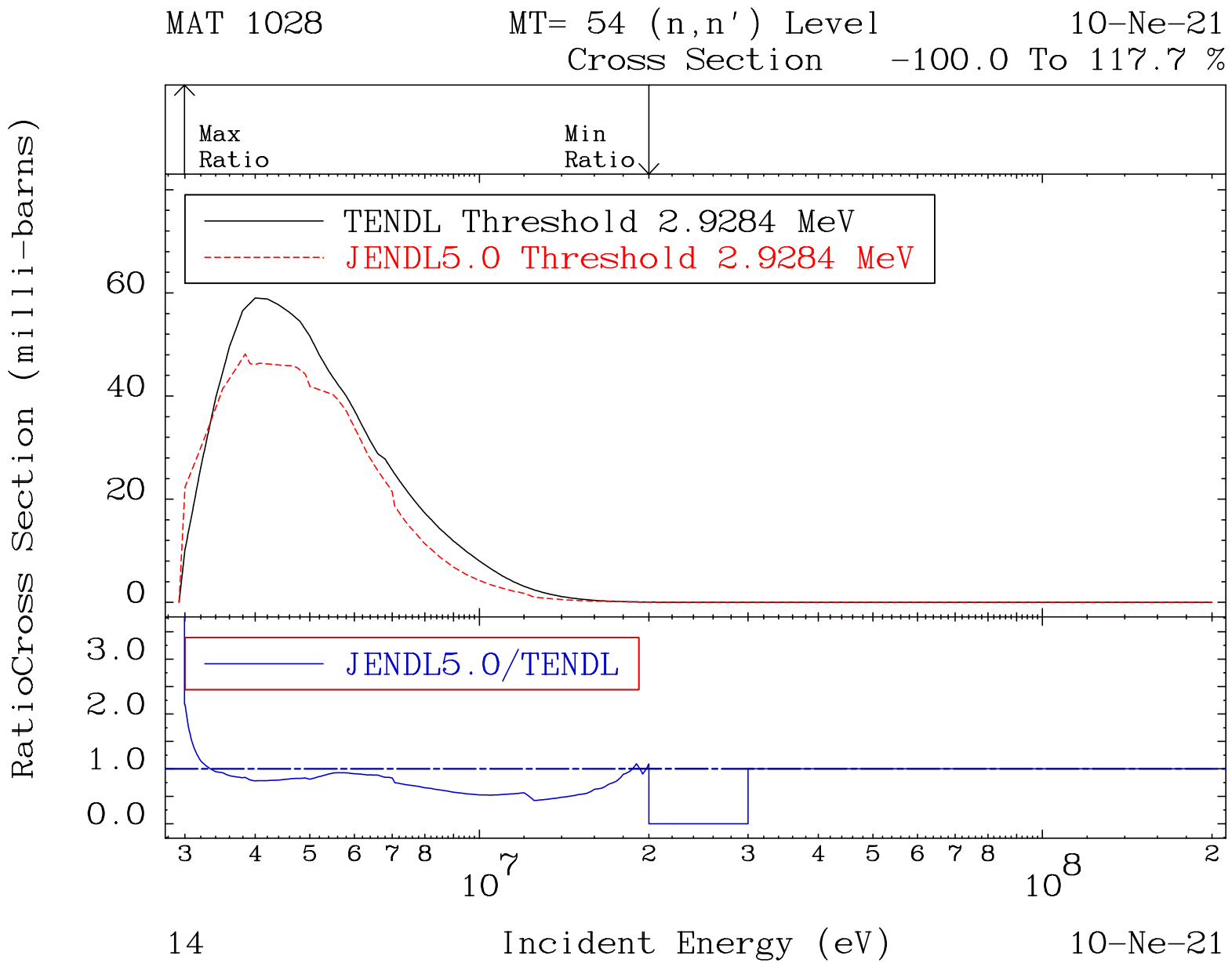

MAT 1028
(n,n') 2α
Cross Section
10-Ne-21
-100.0 To 9999. %
Min
Ratio
TENDL Threshold 14.365 MeV
JENDL5.0 Threshold 14.405 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
0.8
0.4
0.0
2
3
4
5
6
7
8
9
10^8
2
Incident Energy (eV)
9
10-Ne-21

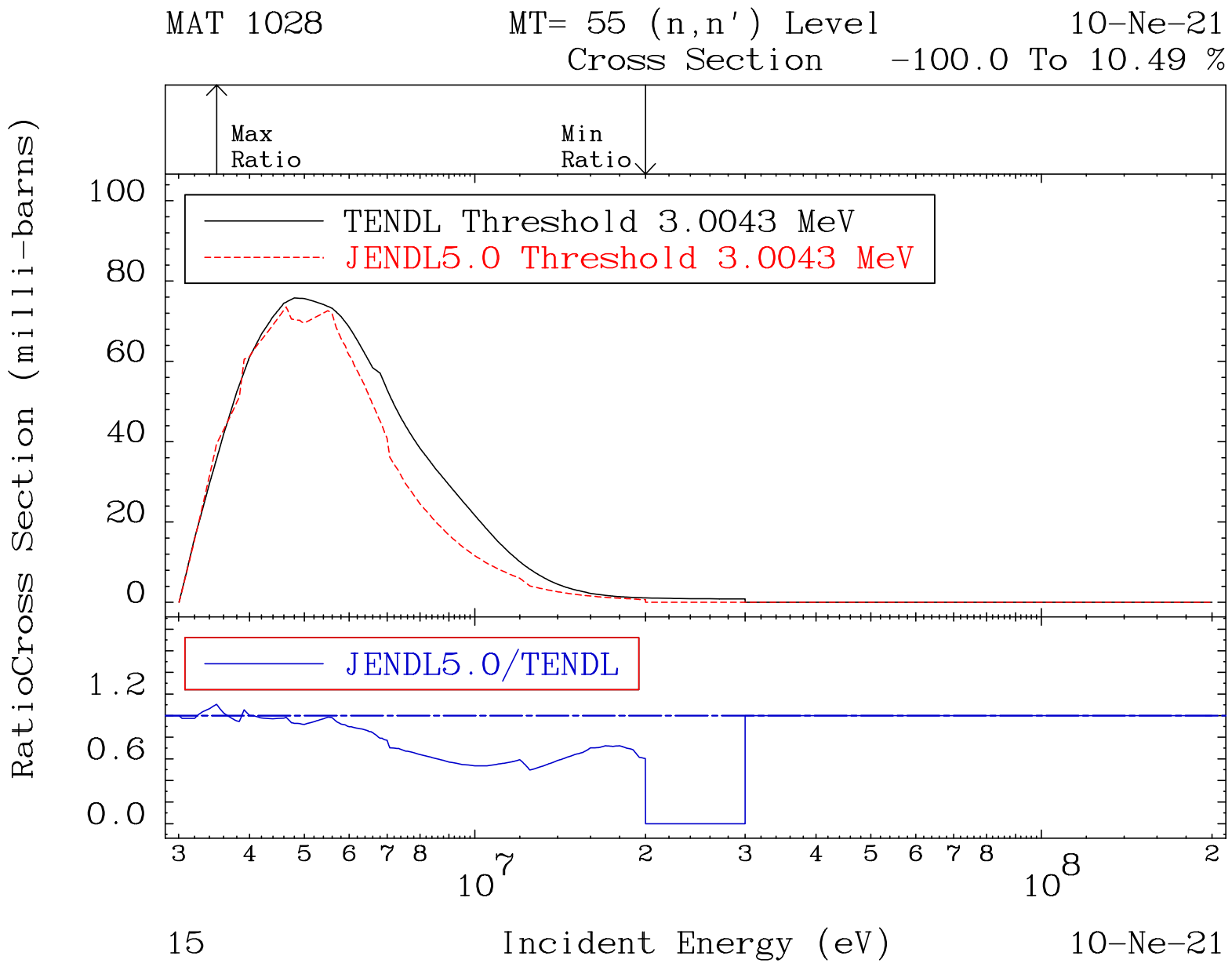

MAT 1028
(n,n') d
Cross Section
10-Ne-21
-100.0 To 23.47 %
Min
Ratio
TENDL Threshold 18.215 MeV
JENDL5.0 Threshold 18.215 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
10-Ne-21

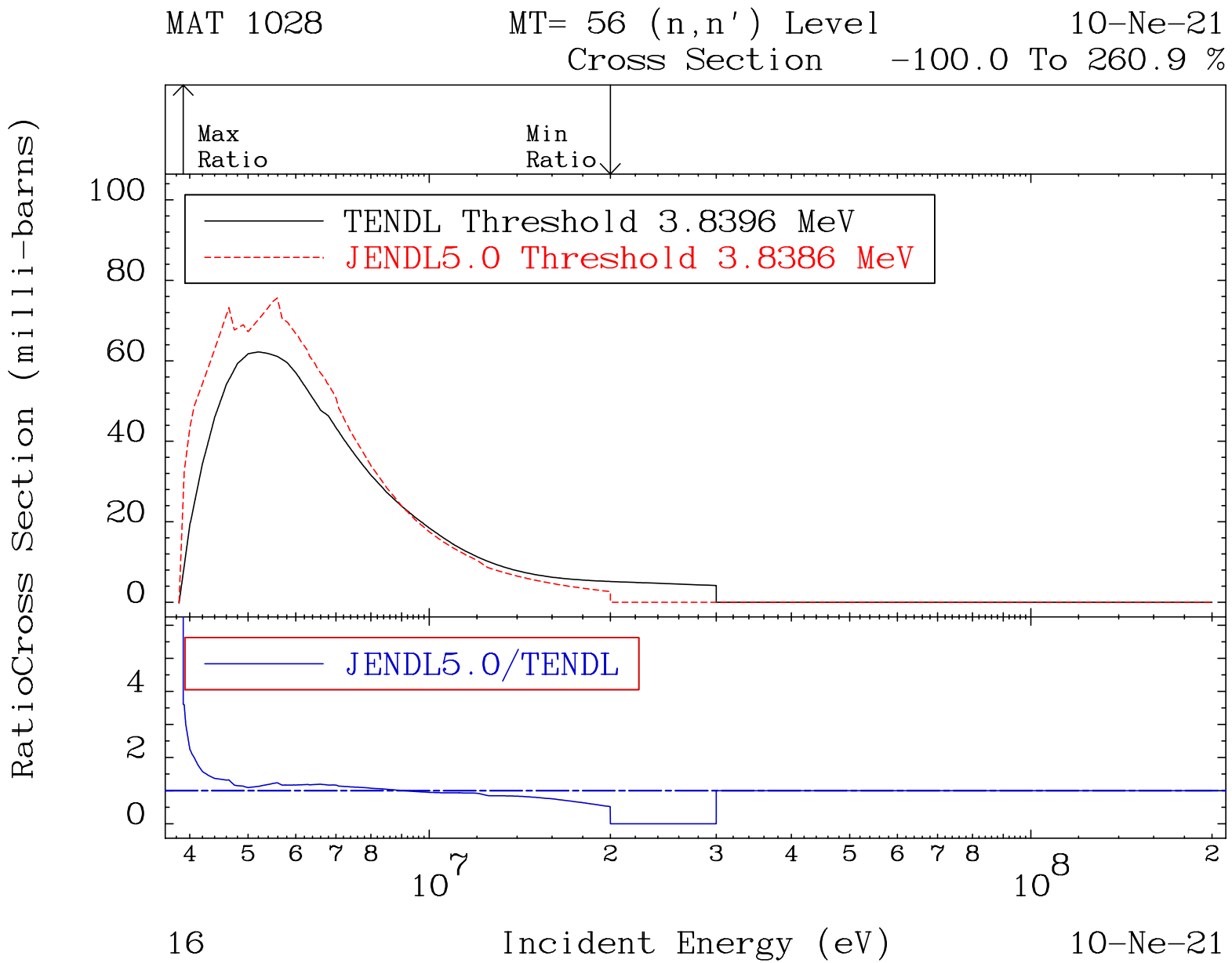

MAT 1028
MT= 51 (n,n') Level
10-Ne-21
Cross Section -100.0 To 1112. %
Min Ratio
Max Ratio
TENDL Threshold 367.58 keV
JENDL5.0 Threshold 367.58 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
10
0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
11
Incident Energy (eV)
10-Ne-21

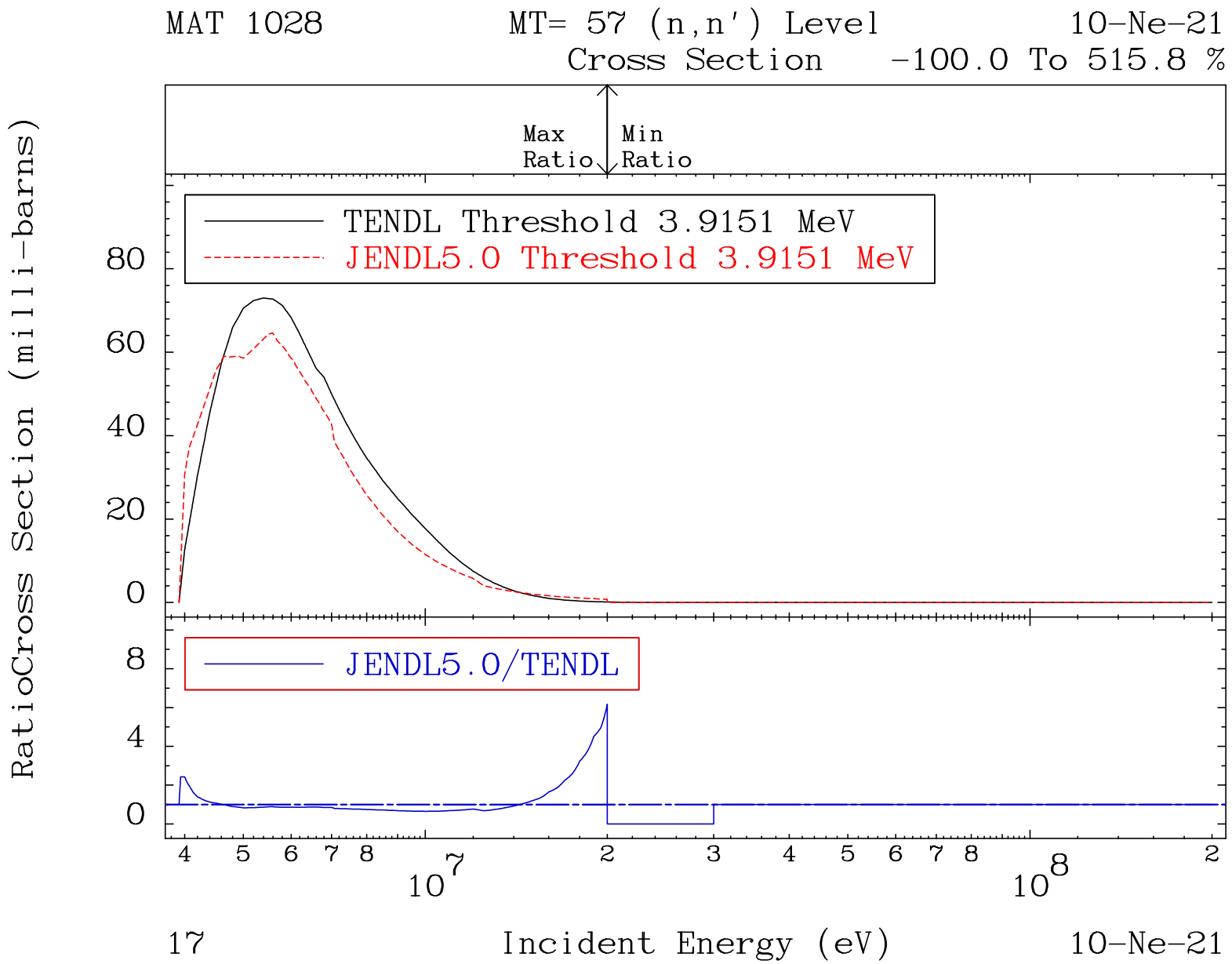

MAT 1028
MT= 52 (n,n') Level
10-Ne-21
Cross Section -100.0 To 516.6 %
Min Ratio
Max Ratio
TENDL Threshold 1.8298 MeV
JENDL5.0 Threshold 1.8298 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
8
4
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
10-Ne-21

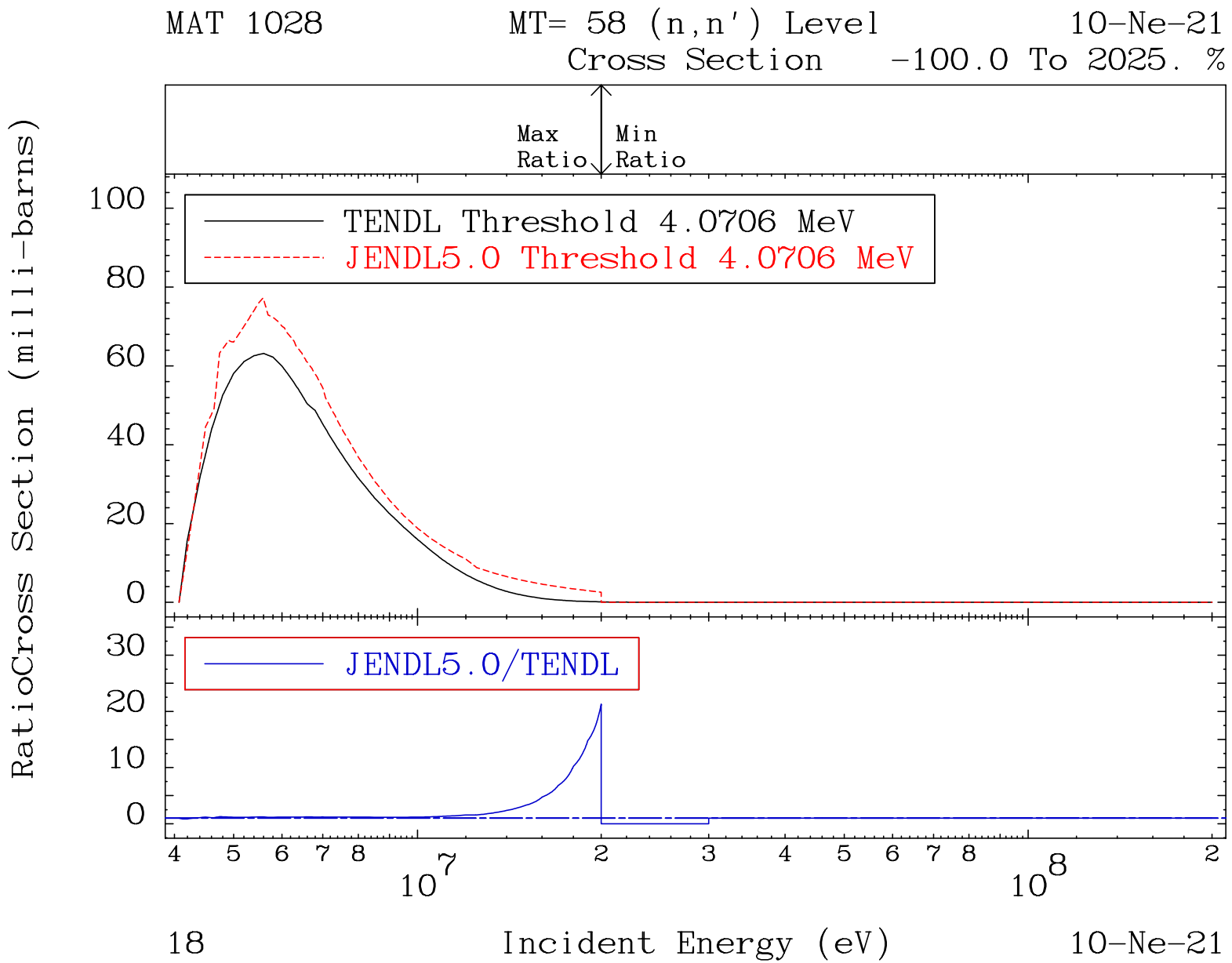

MAT 1028
MT= 53 (n,n') Level
10-Ne-21
Cross Section -100.0 To 924.3 %
Max Ratio
Min Ratio
TENDL Threshold 2.9228 MeV
JENDL5.0 Threshold 2.9222 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
12
6
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
13
Incident Energy (eV)
10-Ne-21

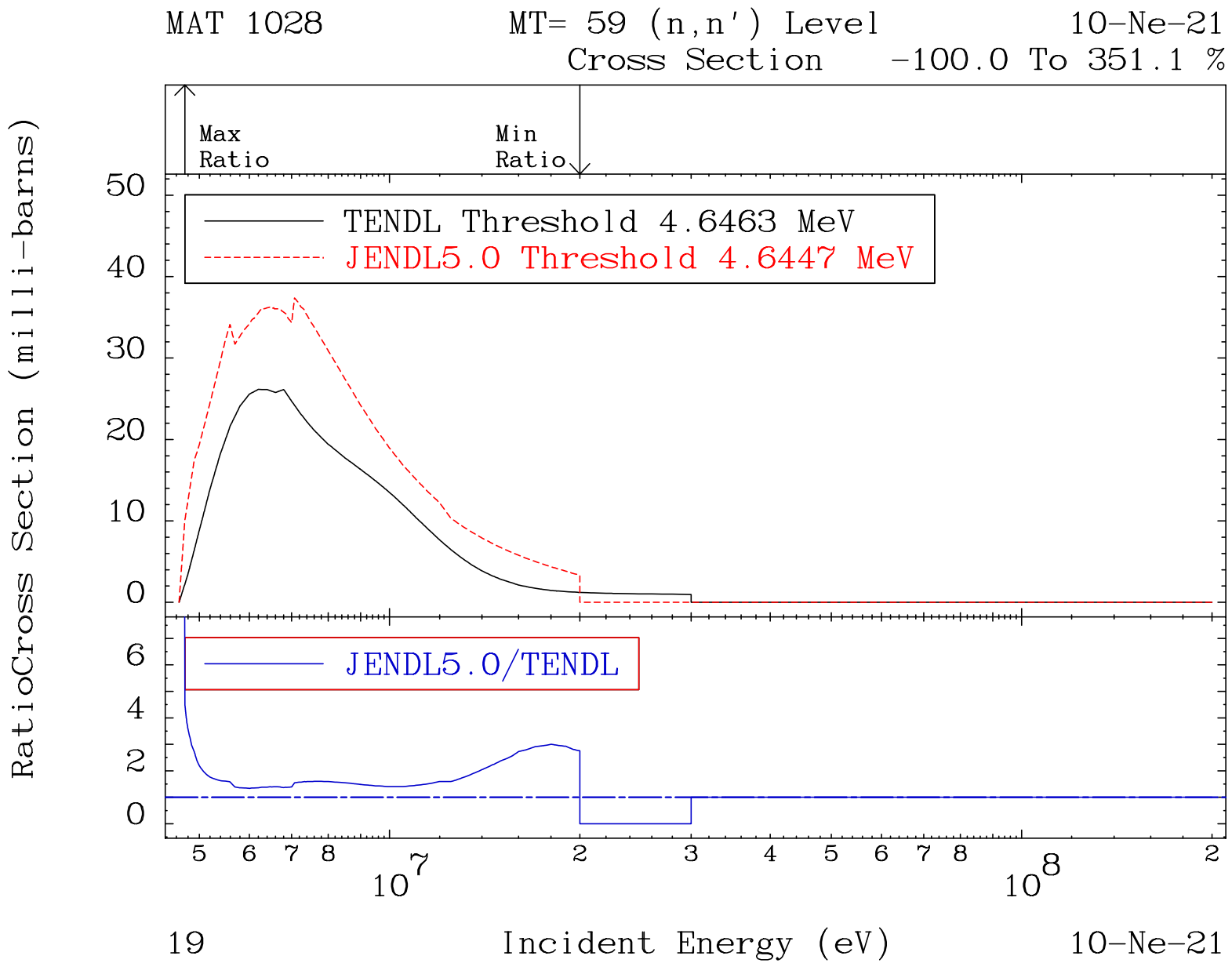

MAT 1028
MT= 54 (n,n') Level
10-Ne-21
Cross Section -100.0 To 117.7 %
Max Ratio
Min Ratio
TENDL Threshold 2.9284 MeV
JENDL5.0 Threshold 2.9284 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
14
Incident Energy (eV)
10-Ne-21

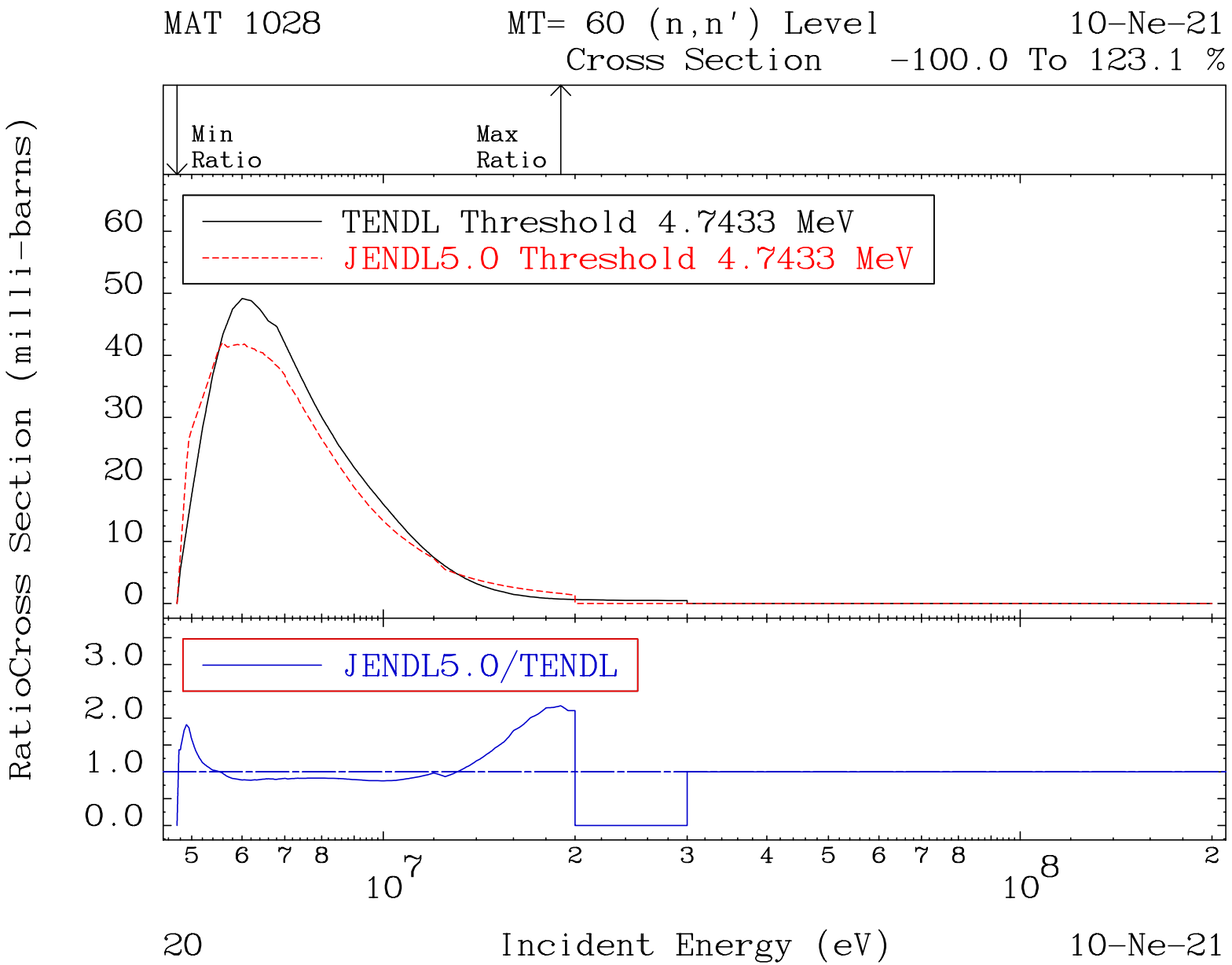

MAT 1028
MT= 55 (n,n') Level
10-Ne-21
Cross Section -100.0 To 10.49 %
Max Ratio
Min Ratio
TENDL Threshold 3.0043 MeV
JENDL5.0 Threshold 3.0043 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
15
Incident Energy (eV)
10-Ne-21

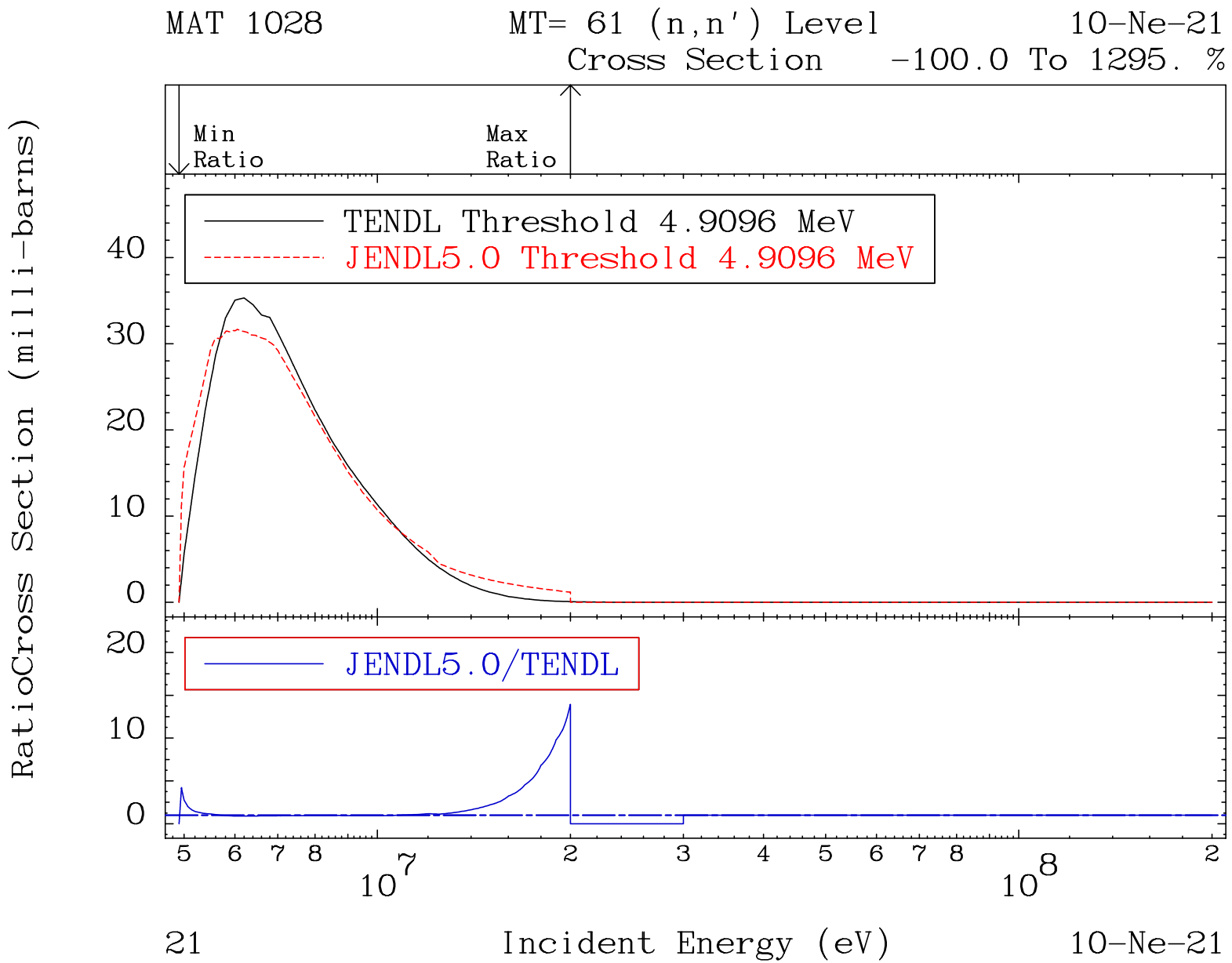

MAT 1028
MT= 56 (n,n') Level
10-Ne-21
Cross Section -100.0 To 260.9 %
Max Ratio
Min Ratio
TENDL Threshold 3.8396 MeV
JENDL5.0 Threshold 3.8386 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
16
10-Ne-21

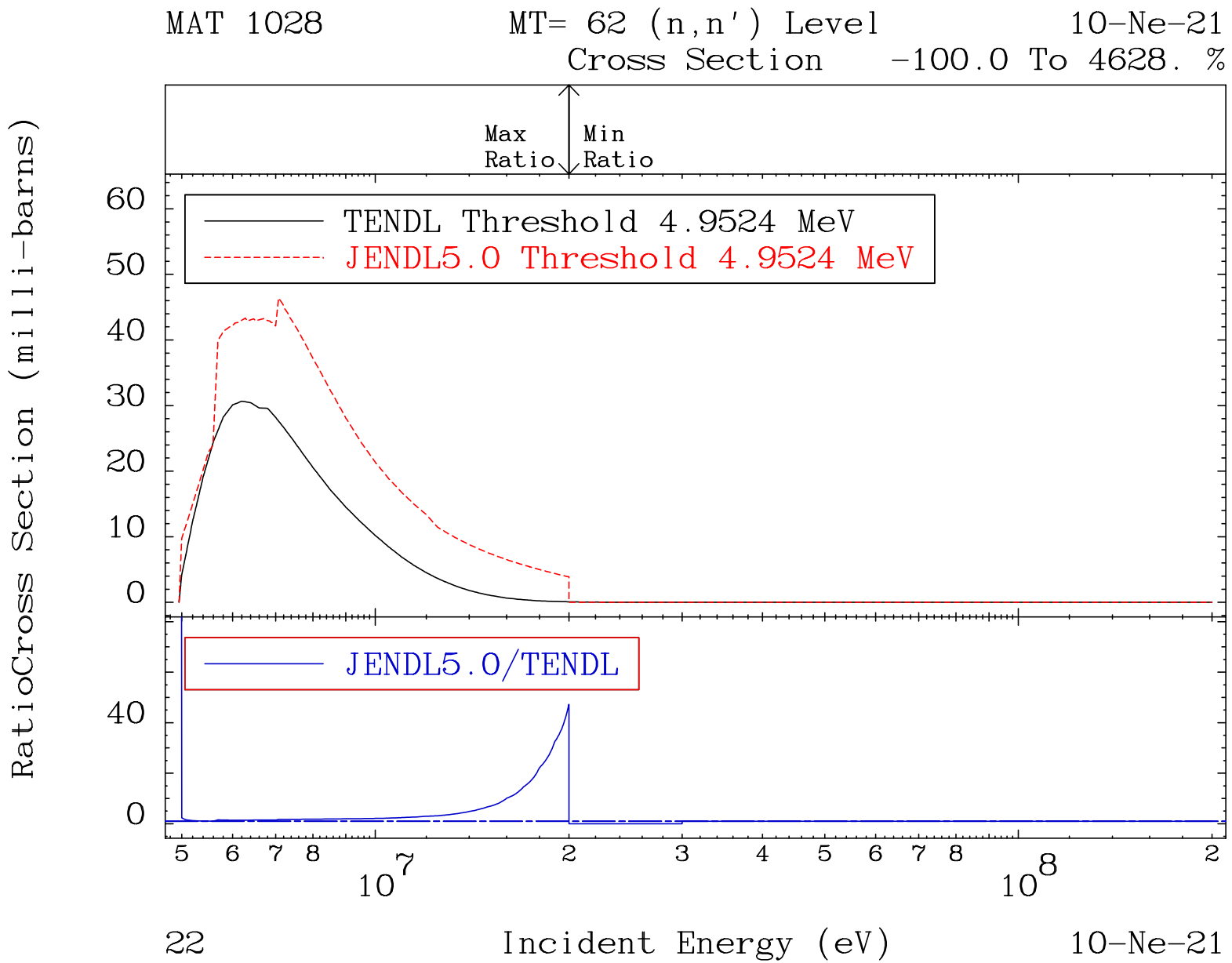

MAT 1028
MT= 57 (n,n') Level
10-Ne-21
Cross Section -100.0 To 515.8 %
Max Ratio
Min Ratio
TENDL Threshold 3.9151 MeV
JENDL5.0 Threshold 3.9151 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
8
4
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
10-Ne-21

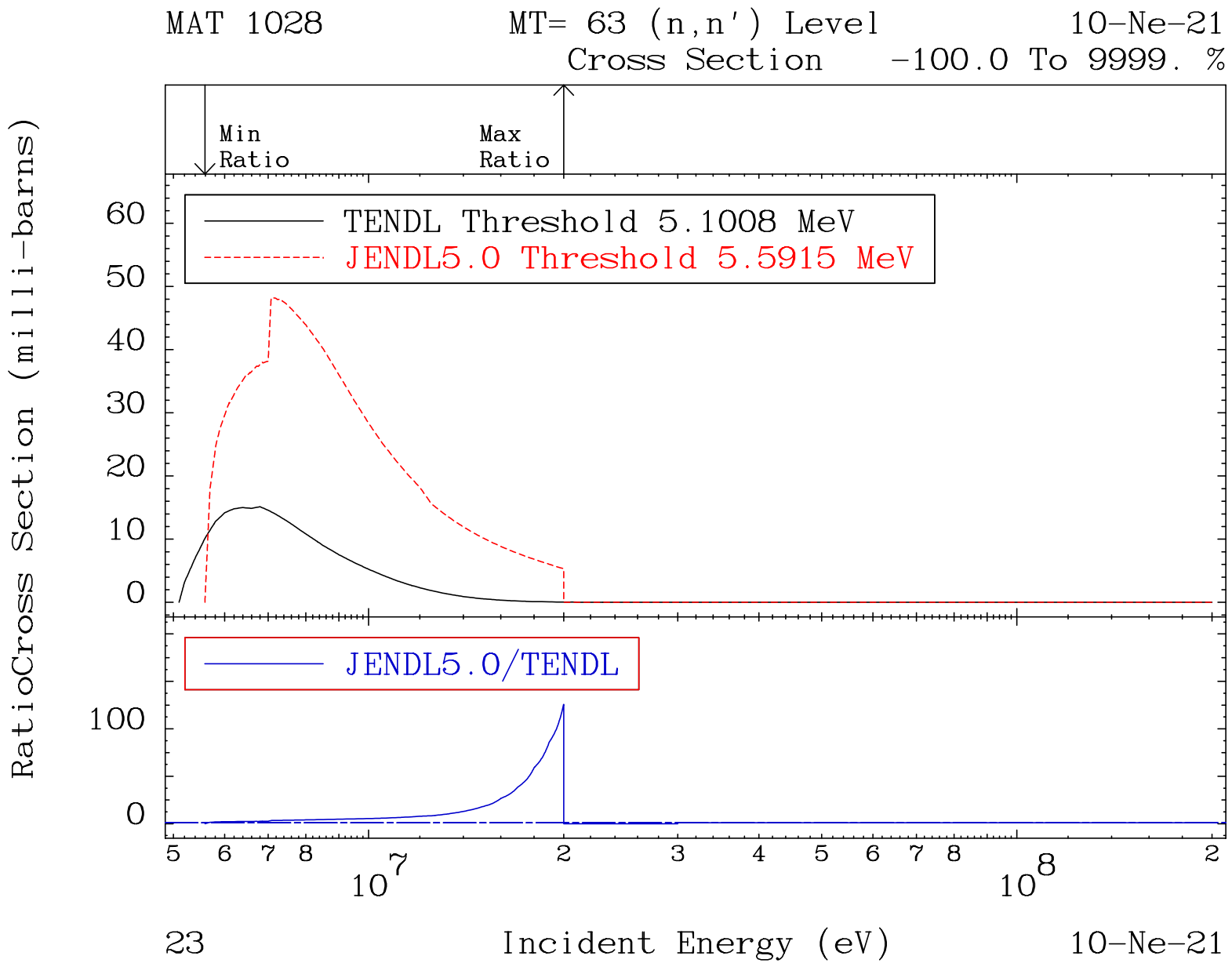

MAT 1028
MT= 58 (n,n') Level
10-Ne-21
Cross Section -100.0 To 2025. %
Max Ratio
Min Ratio
TENDL Threshold 4.0706 MeV
JENDL5.0 Threshold 4.0706 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
18
10-Ne-21

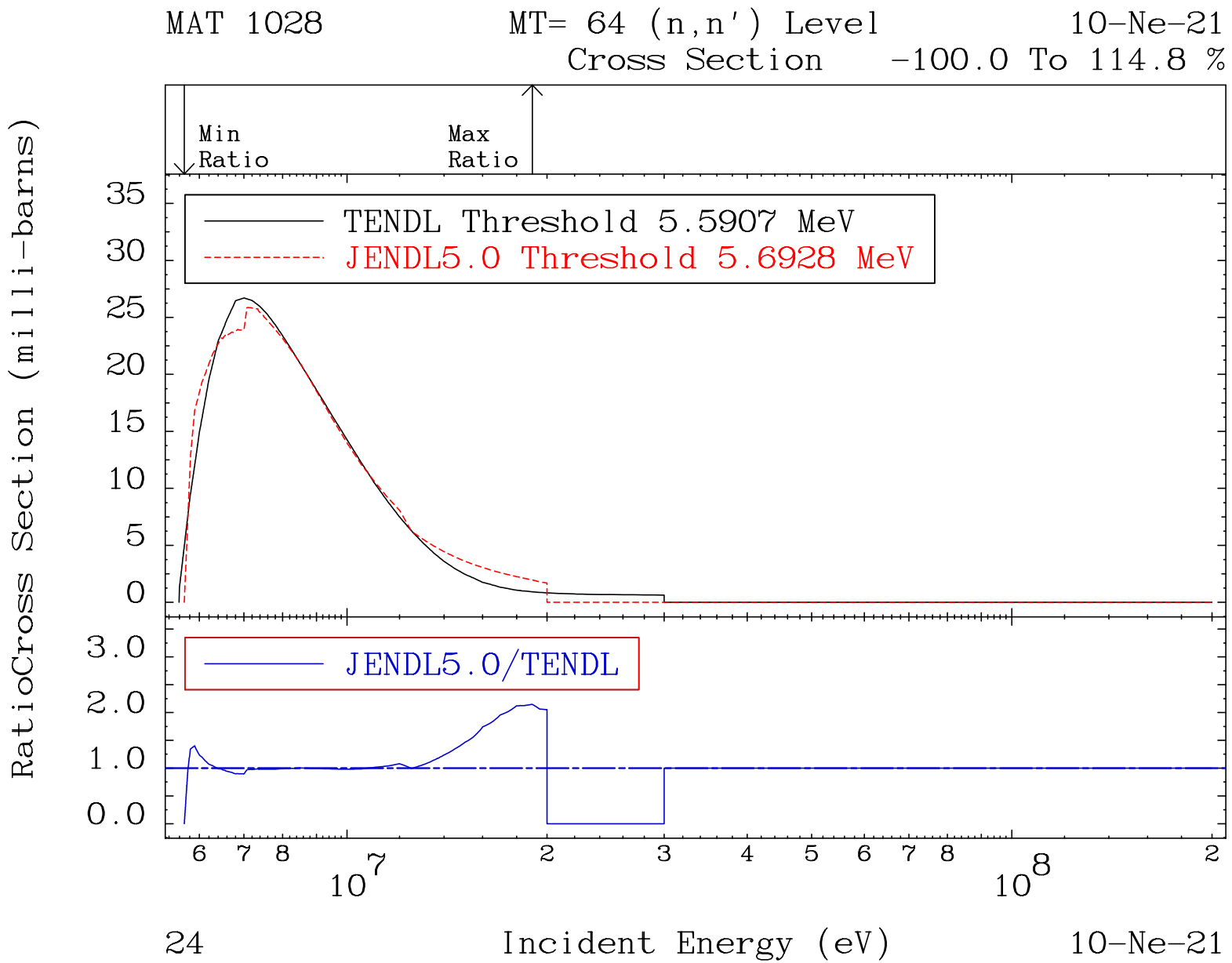

MAT 1028
MT= 59 (n,n') Level
10-Ne-21
Cross Section -100.0 To 351.1 %
Max Ratio
Min Ratio
TENDL Threshold 4.6463 MeV
JENDL5.0 Threshold 4.6447 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
19
10-Ne-21

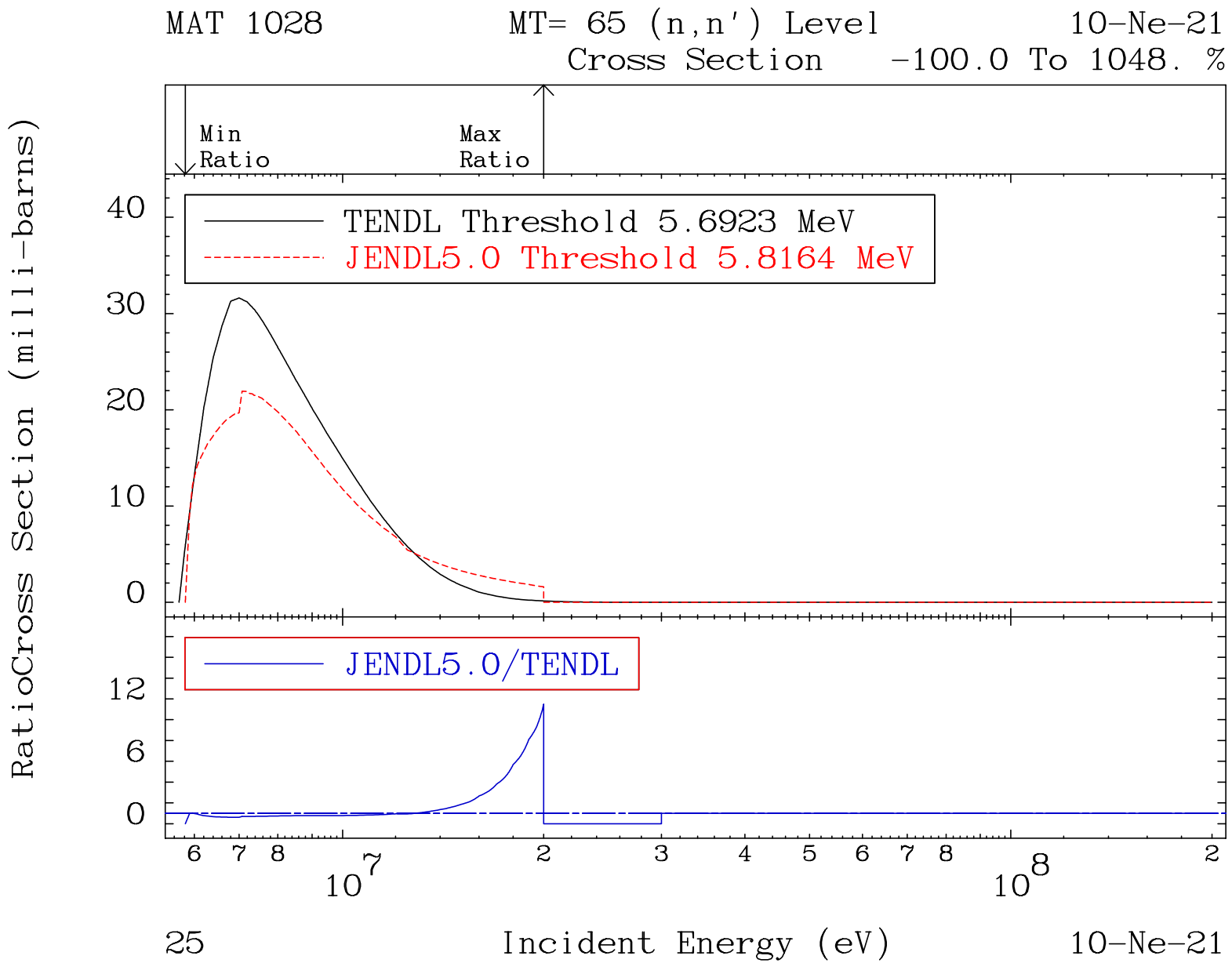

MAT 1028
MT= 60 (n,n') Level
10-Ne-21
Cross Section -100.0 To 123.1 %
Min Ratio
Max Ratio
TENDL Threshold 4.7433 MeV
JENDL5.0 Threshold 4.7433 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
3.0
2.0
1.0
0.0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
10-Ne-21

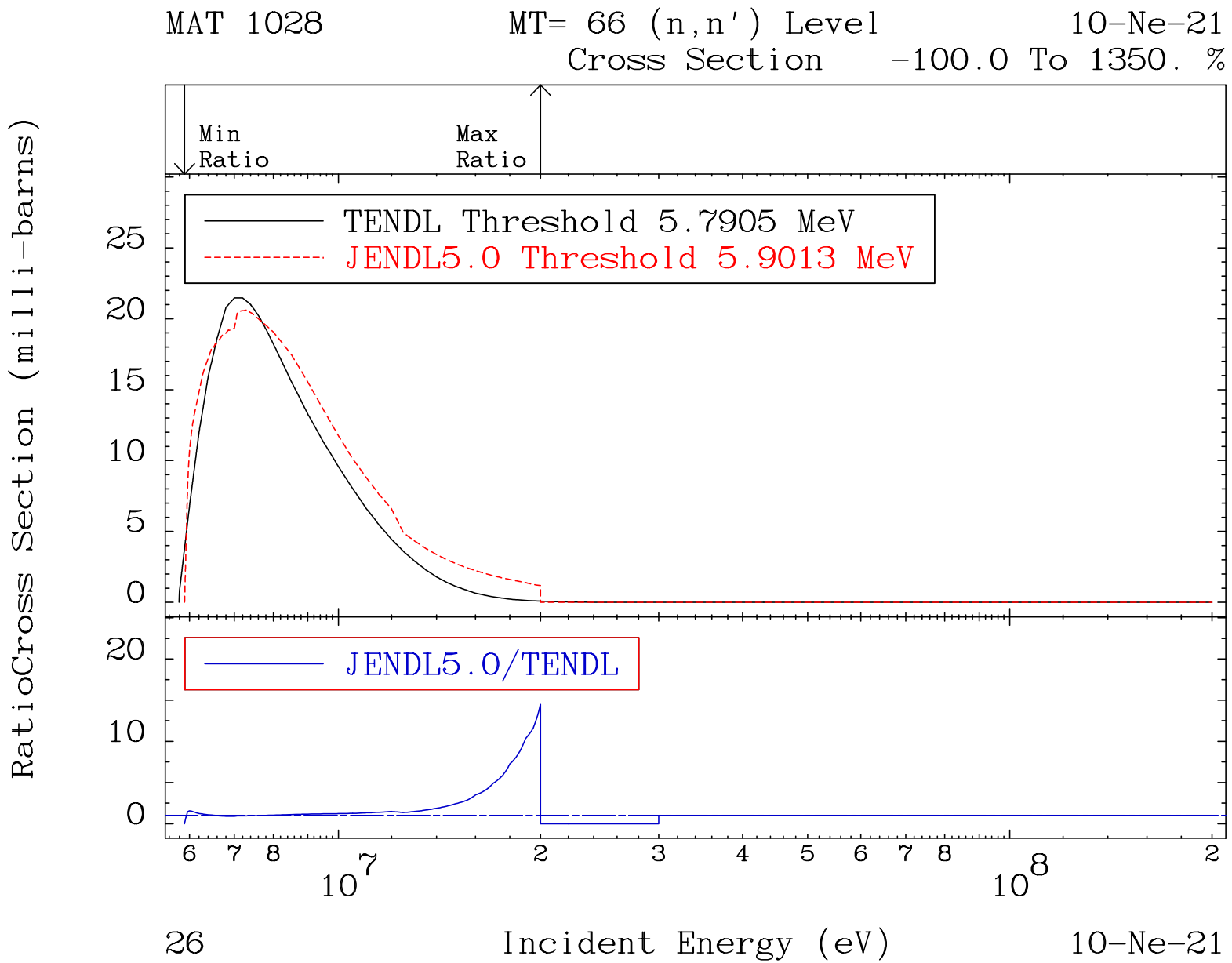

MAT 1028
MT= 61 (n,n') Level
10-Ne-21
Cross Section -100.0 To 1295. %
Min Ratio
Max Ratio
TENDL Threshold 4.9096 MeV
JENDL5.0 Threshold 4.9096 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
20
10
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
10-Ne-21

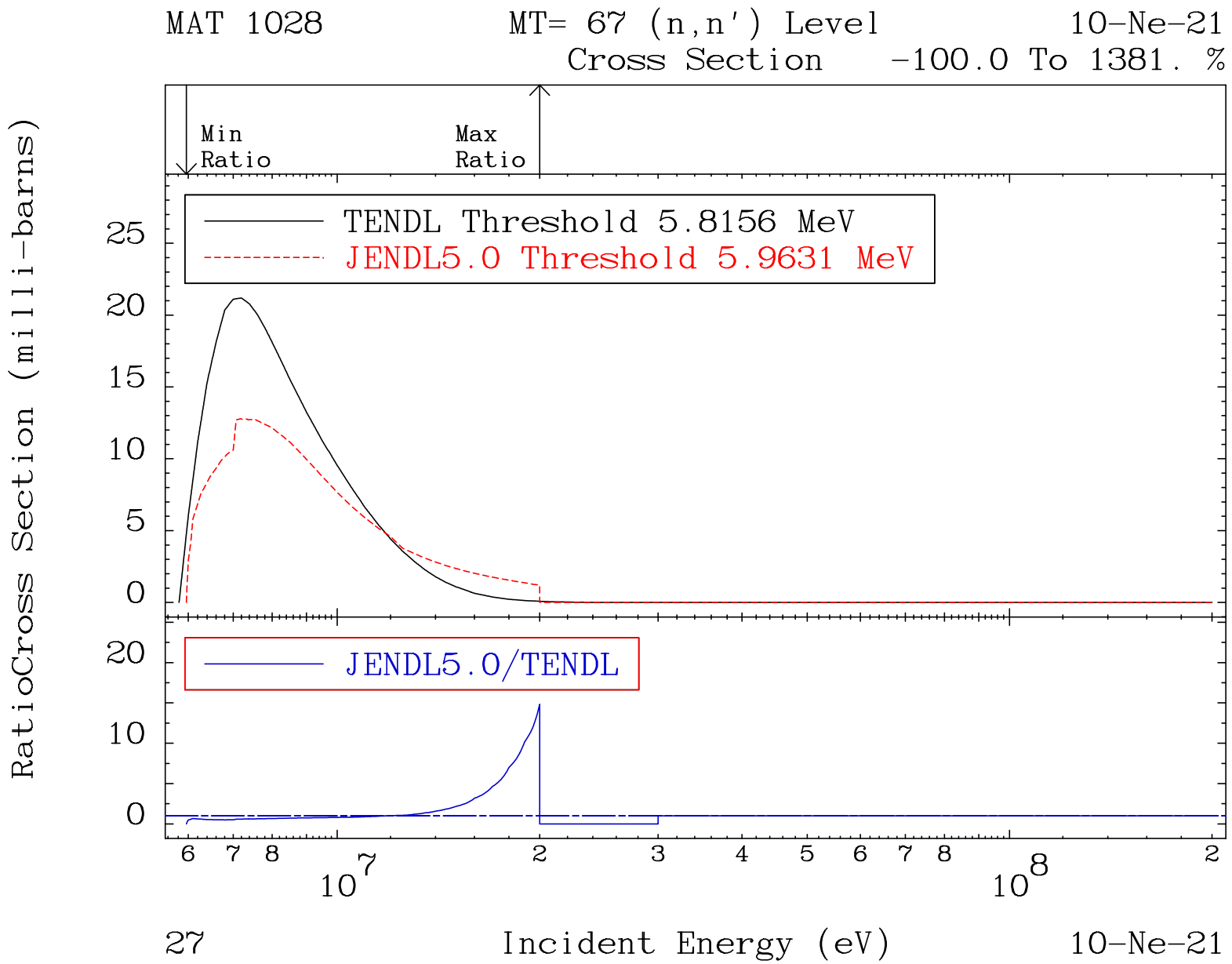

MAT 1028
MT= 62 (n,n') Level
10-Ne-21
Cross Section -100.0 To 4628. %
Max Ratio
Min Ratio
TENDL Threshold 4.9524 MeV
JENDL5.0 Threshold 4.9524 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
40
0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
10-Ne-21

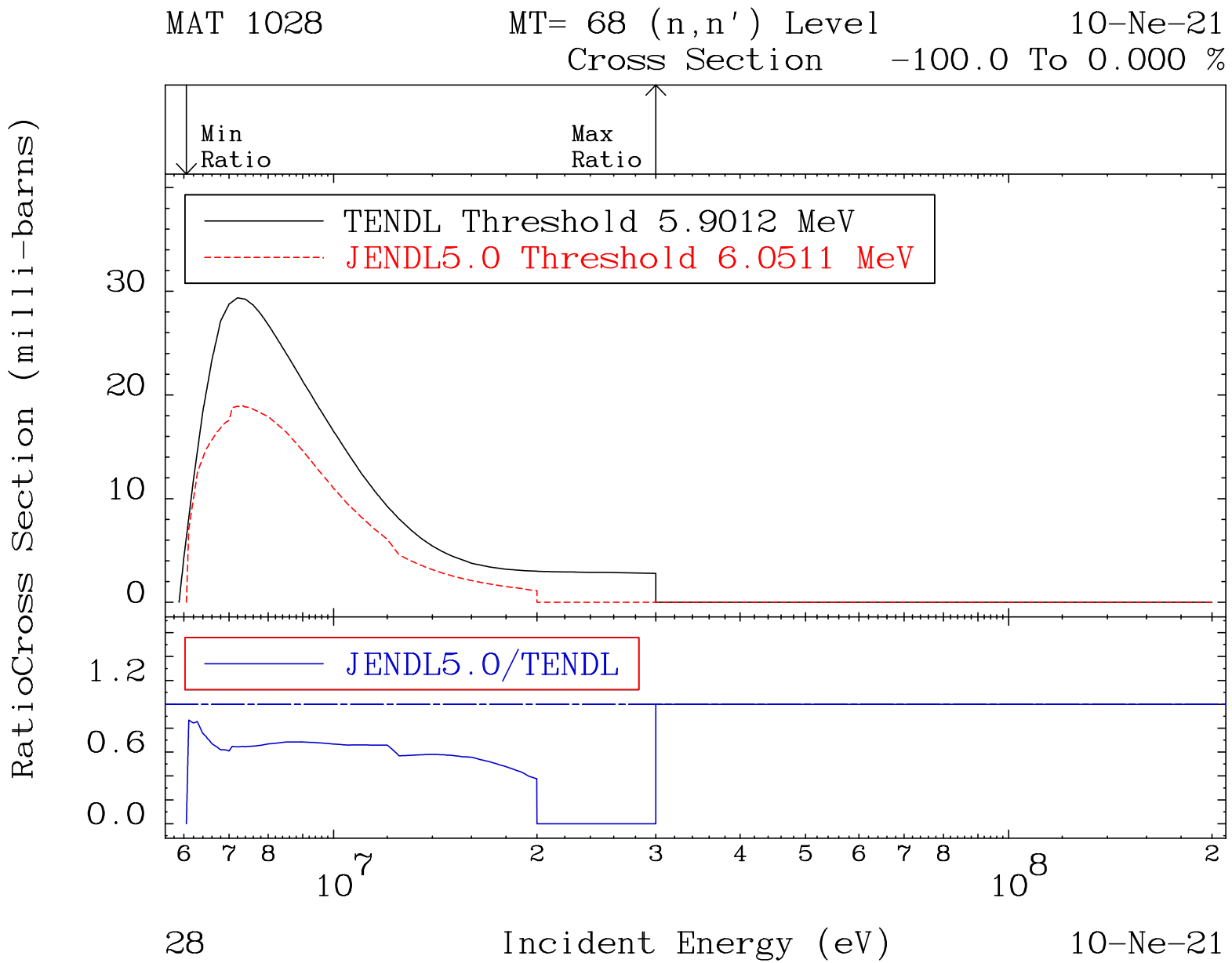

MAT 1028
MT= 63 (n,n') Level
10-Ne-21
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.1008 MeV
JENDL5.0 Threshold 5.5915 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
100
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
10-Ne-21

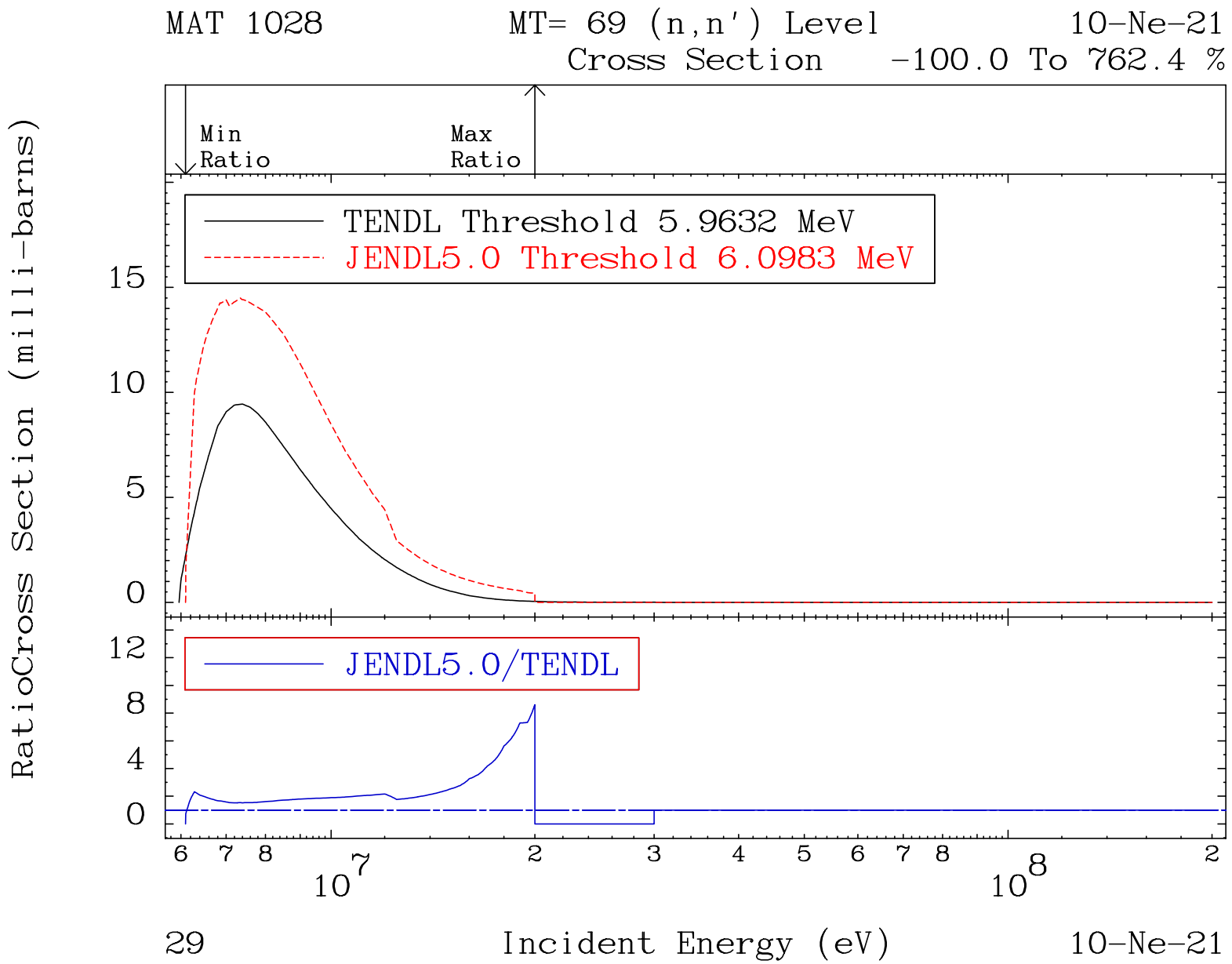

MAT 1028
MT= 64 (n,n') Level
10-Ne-21
Cross Section -100.0 To 114.8 %
Min Ratio
Max Ratio
TENDL Threshold 5.5907 MeV
JENDL5.0 Threshold 5.6928 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
3.0
2.0
1.0
0.0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
24
Incident Energy (eV)
10-Ne-21

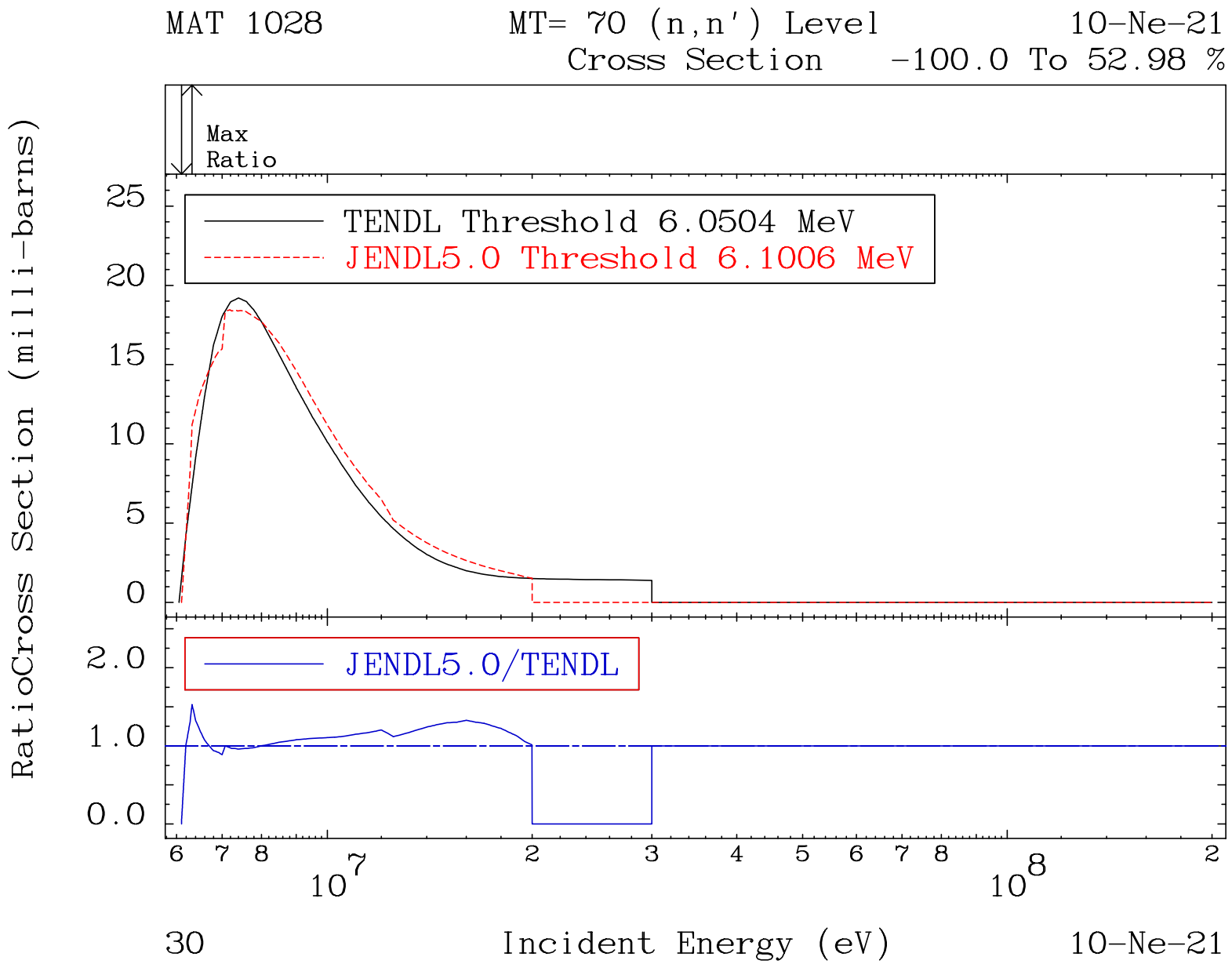

MAT 1028
MT= 65 (n,n') Level
10-Ne-21
Cross Section -100.0 To 1048. %
Min Ratio
Max Ratio
TENDL Threshold 5.6923 MeV
JENDL5.0 Threshold 5.8164 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
12
6
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
10-Ne-21

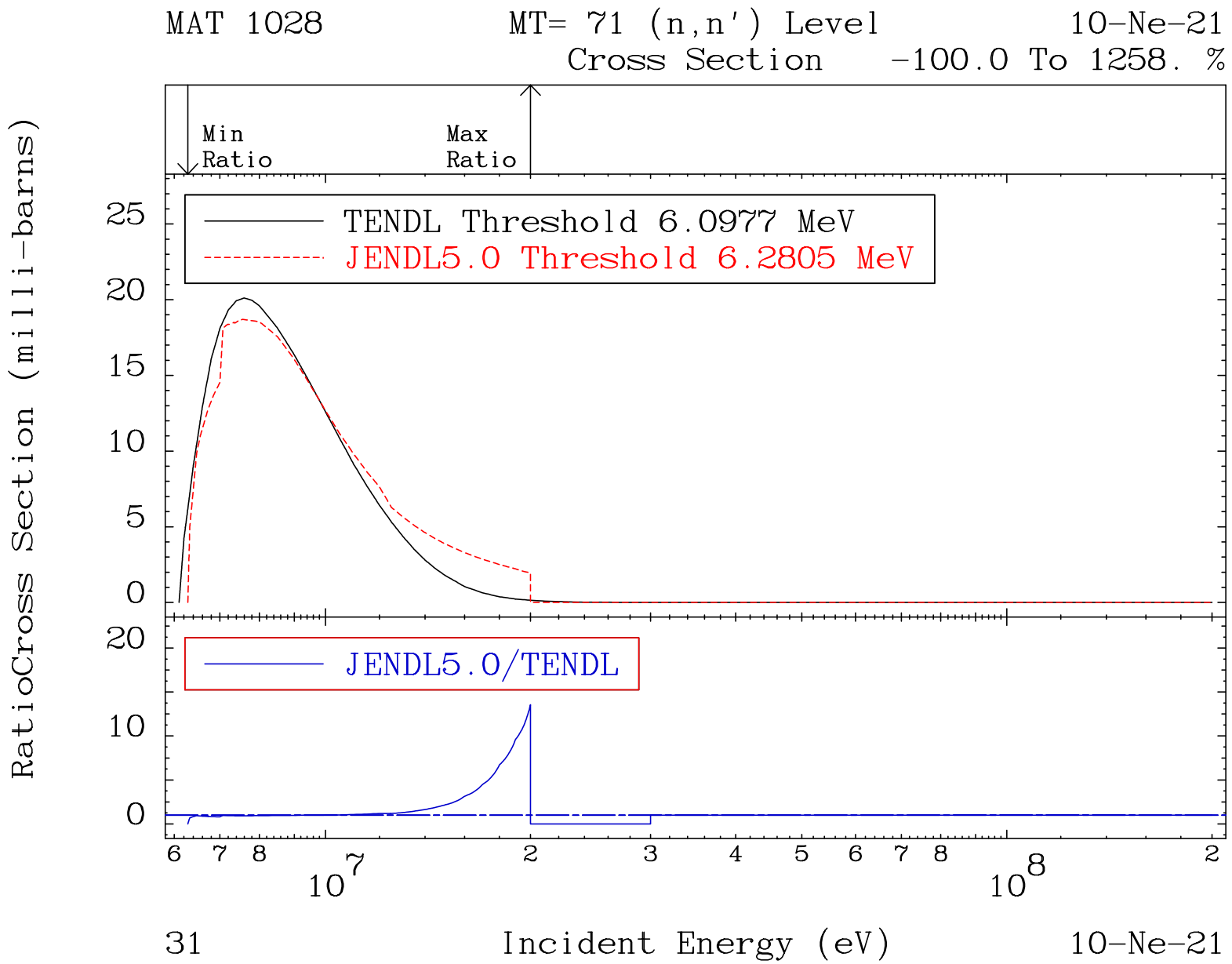

MAT 1028
MT= 66 (n,n') Level
10-Ne-21
Cross Section -100.0 To 1350. %
Min Ratio
Max Ratio
TENDL Threshold 5.7905 MeV
JENDL5.0 Threshold 5.9013 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
26
10-Ne-21

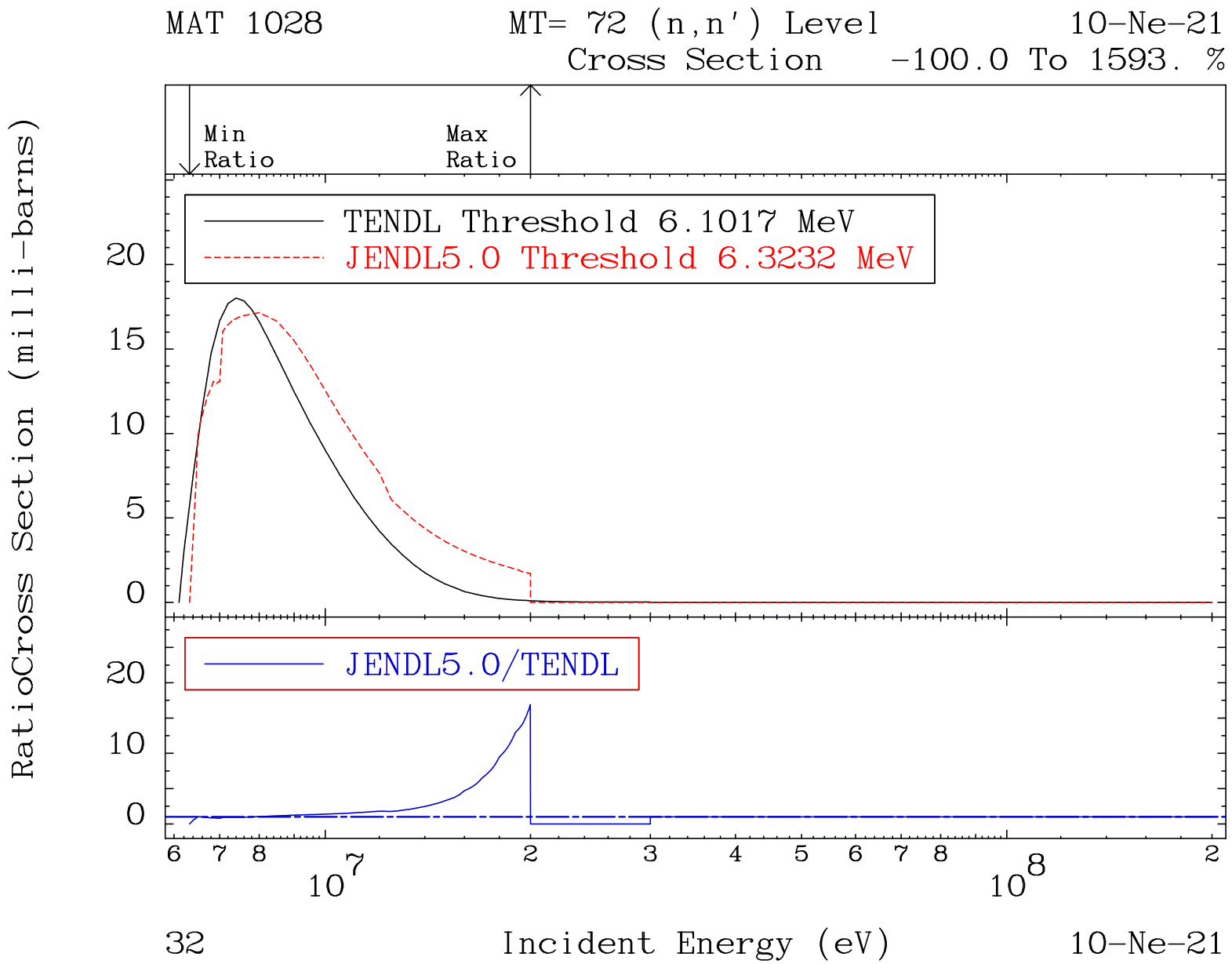

MAT 1028
MT= 67 (n,n') Level
10-Ne-21
Cross Section -100.0 To 1381. %
Min Ratio
Max Ratio
TENDL Threshold 5.8156 MeV
JENDL5.0 Threshold 5.9631 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
27
10-Ne-21

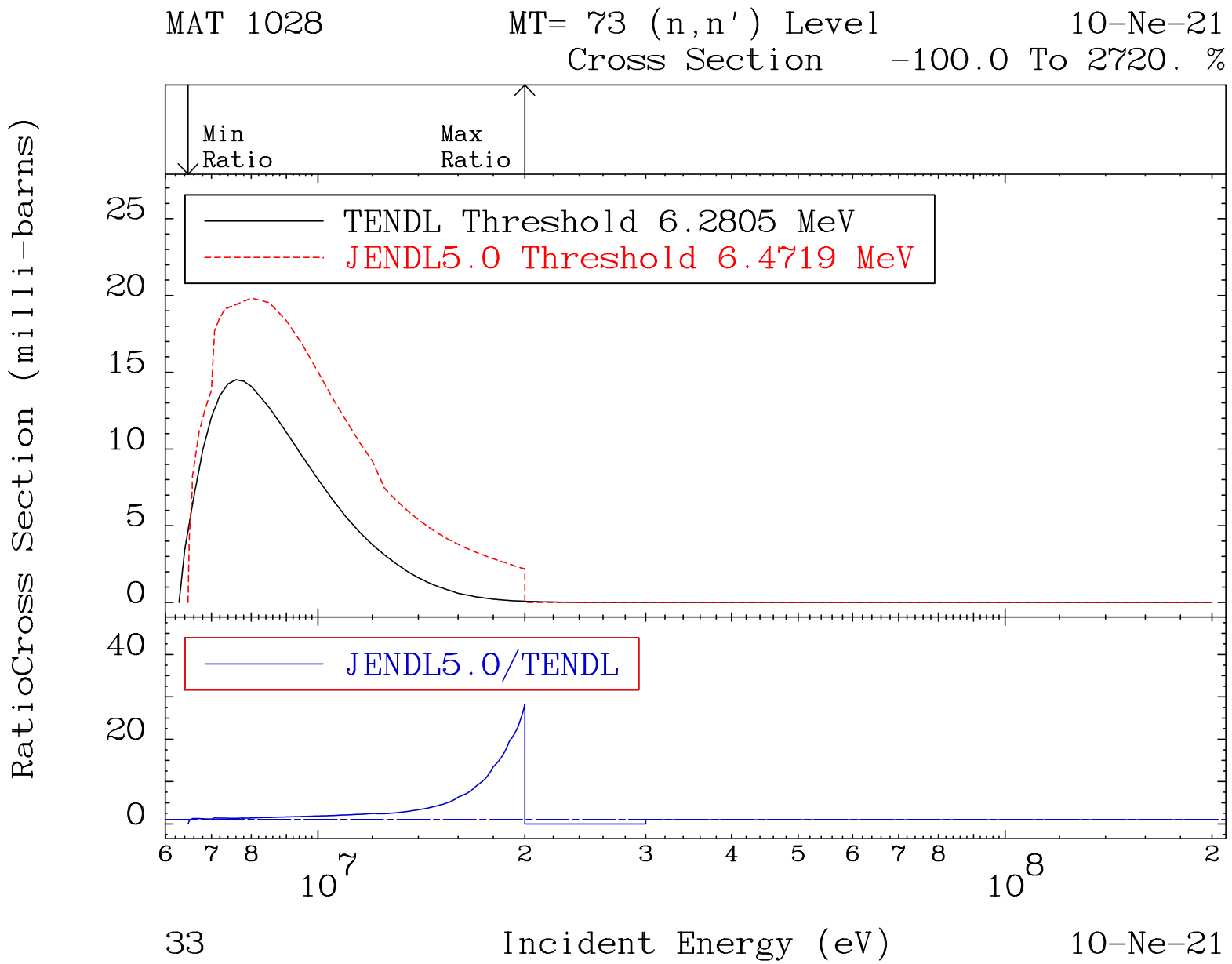

MAT 1028
MT= 68 (n,n') Level
10-Ne-21
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 5.9012 MeV
JENDL5.0 Threshold 6.0511 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
20
10
0
1.2
0.6
0.0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
10-Ne-21

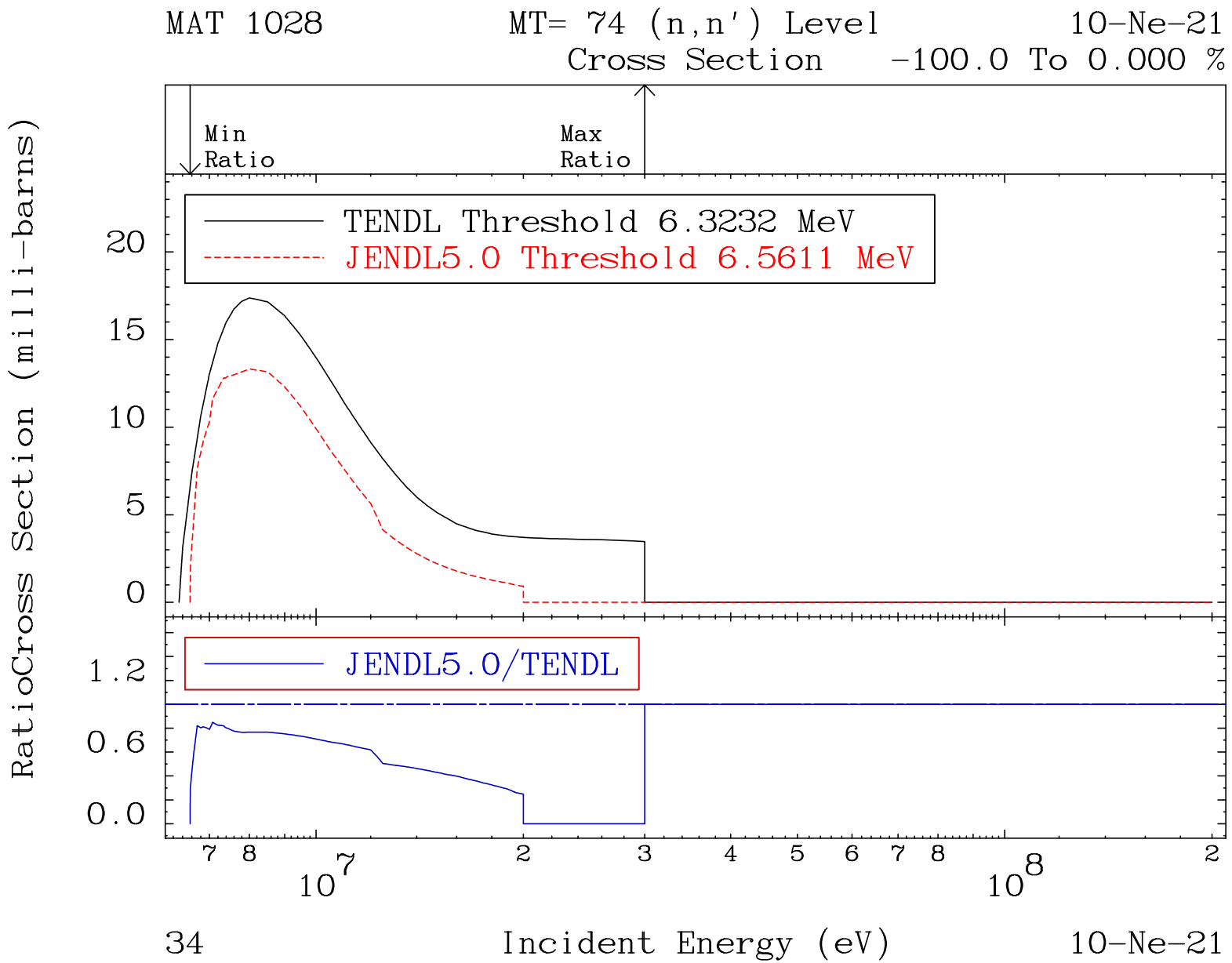

MAT 1028
MT= 69 (n,n') Level
10-Ne-21
Cross Section -100.0 To 762.4 %
Min Ratio
Max Ratio
TENDL Threshold 5.9632 MeV
JENDL5.0 Threshold 6.0983 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
15
10
5
0
12
8
4
0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
29
Incident Energy (eV)
10-Ne-21

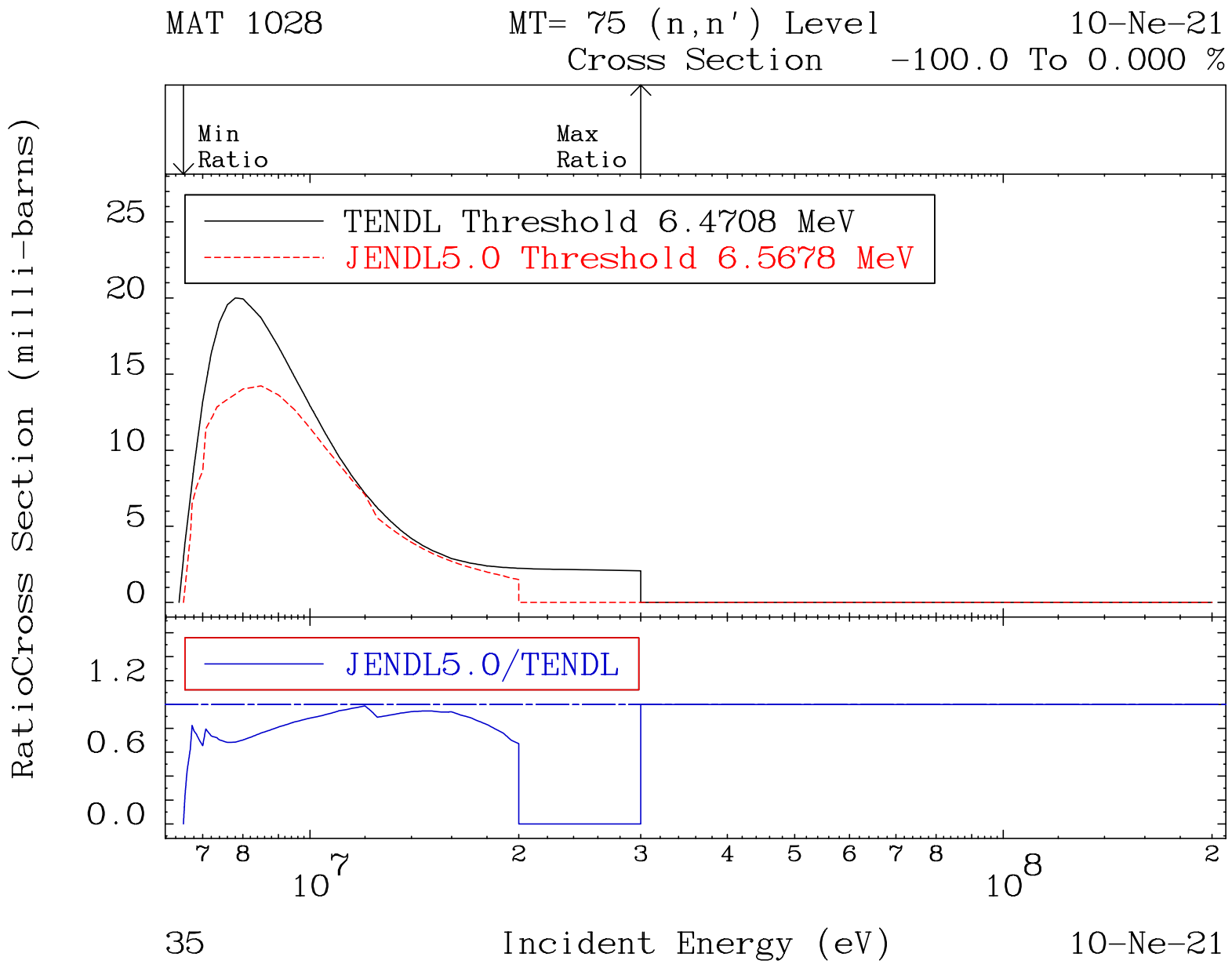

MAT 1028
MT= 70 (n,n') Level
10-Ne-21
Cross Section -100.0 To 52.98 %
Max
Ratio
TENDL Threshold 6.0504 MeV
JENDL5.0 Threshold 6.1006 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
2.0
1.0
0.0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
30
10-Ne-21

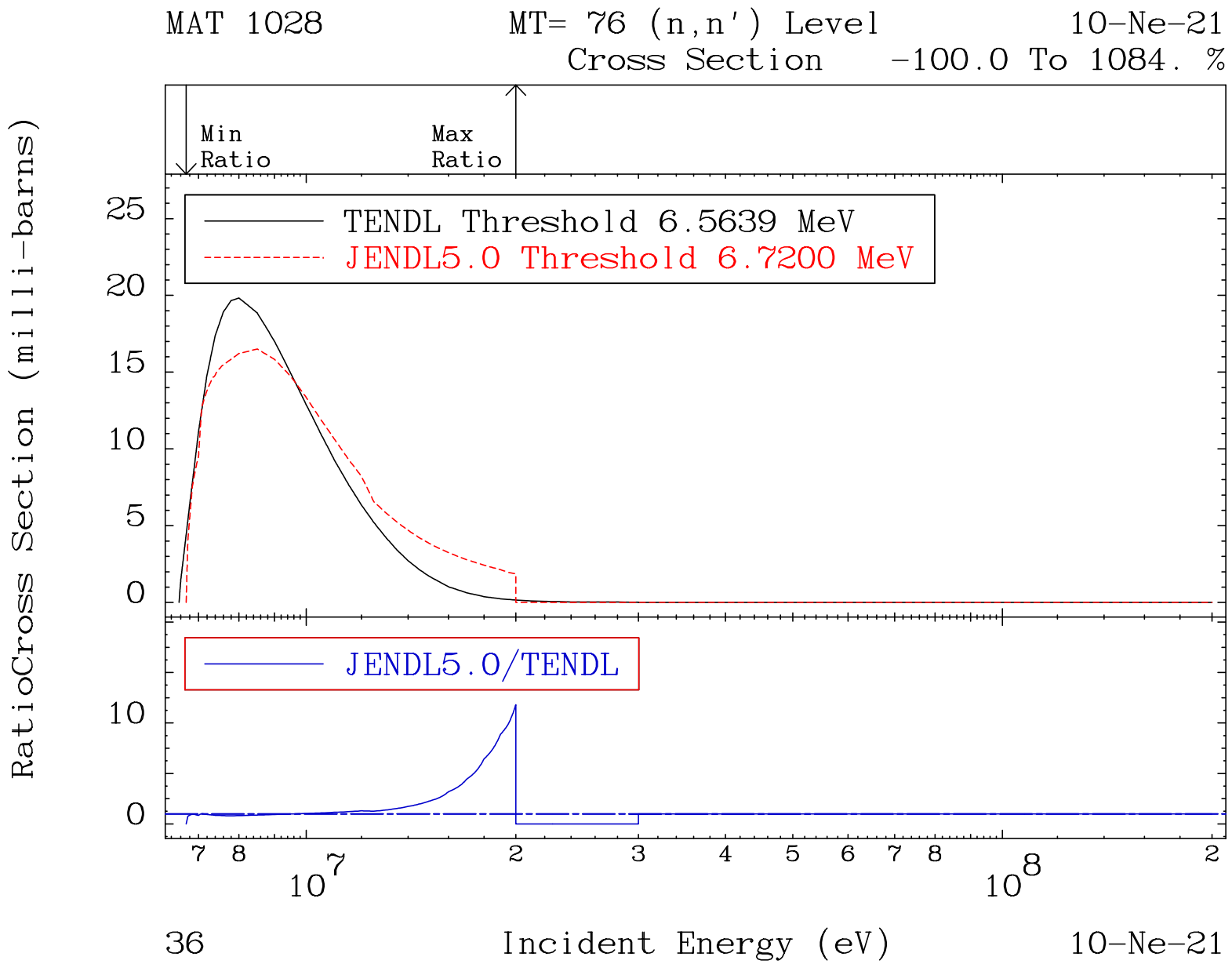

MAT 1028
MT= 71 (n,n') Level
10-Ne-21
Cross Section -100.0 To 1258. %
Min Ratio
Max Ratio
TENDL Threshold 6.0977 MeV
JENDL5.0 Threshold 6.2805 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
31
10-Ne-21

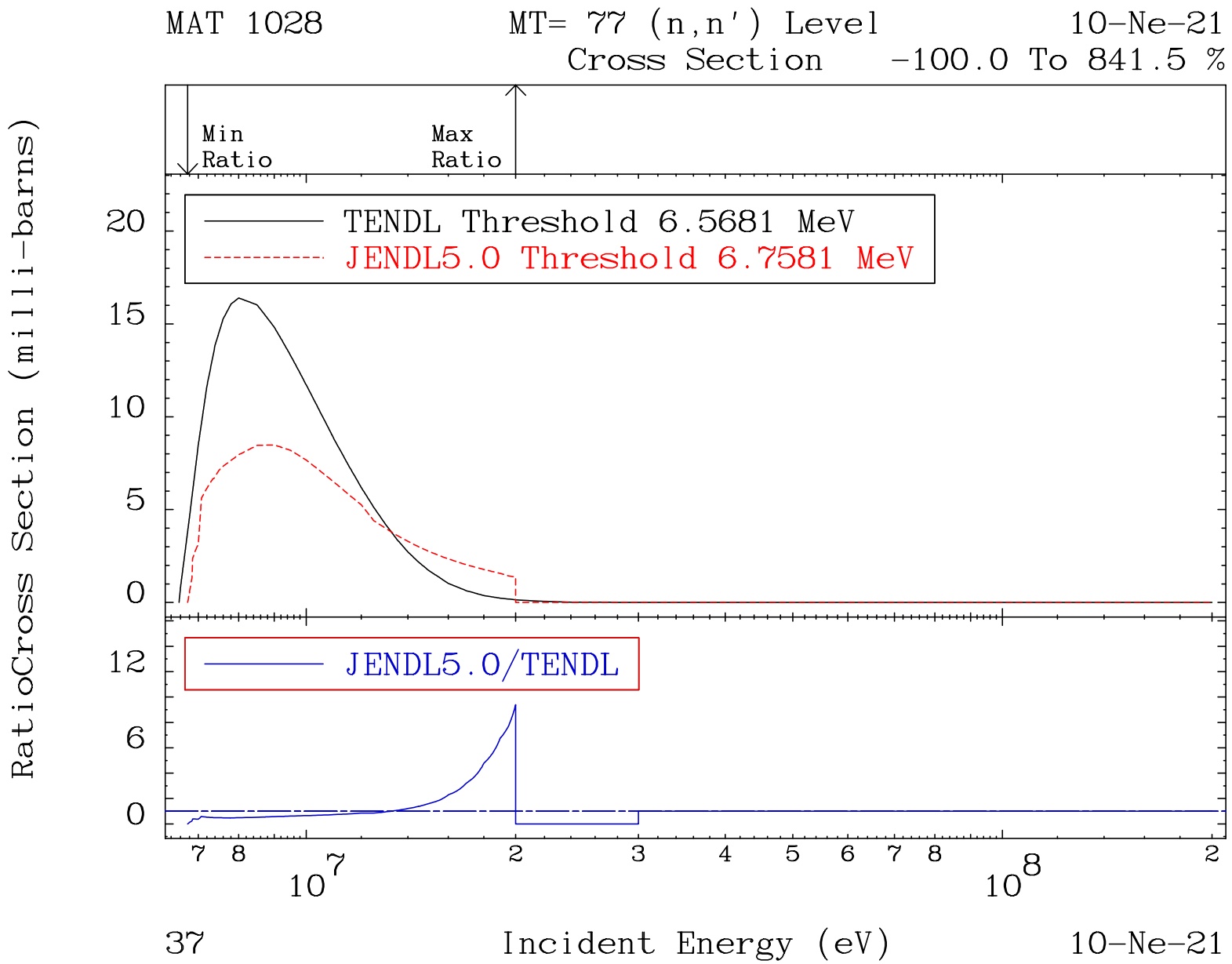

MAT 1028
MT= 72 (n,n') Level
10-Ne-21
Cross Section -100.0 To 1593. %
Min Ratio
Max Ratio
TENDL Threshold 6.1017 MeV
JENDL5.0 Threshold 6.3232 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
32
10-Ne-21

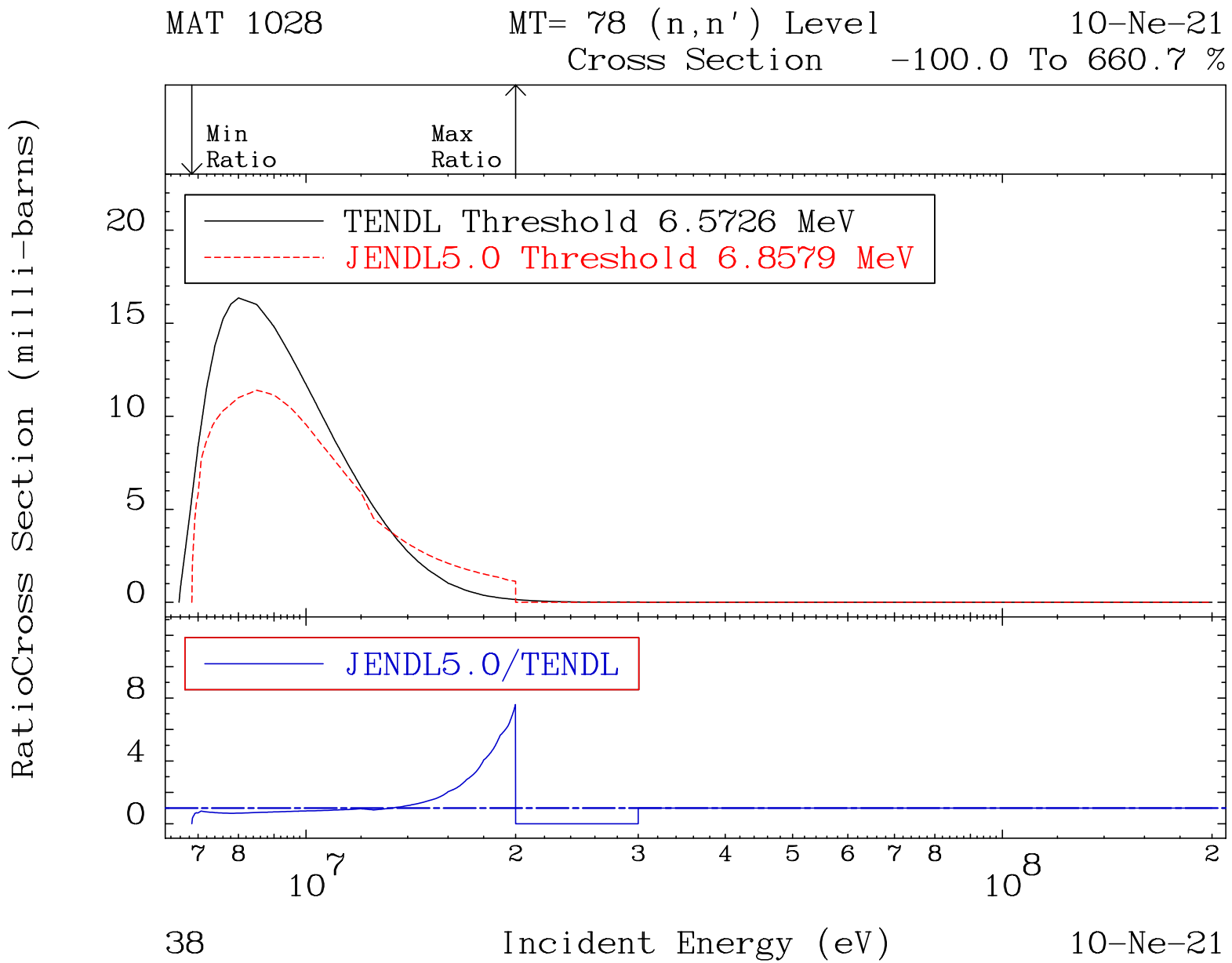

MAT 1028
MT= 73 (n,n') Level
10-Ne-21
Cross Section -100.0 To 2720. %
Min Ratio
Max Ratio
TENDL Threshold 6.2805 MeV
JENDL5.0 Threshold 6.4719 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
33
10-Ne-21

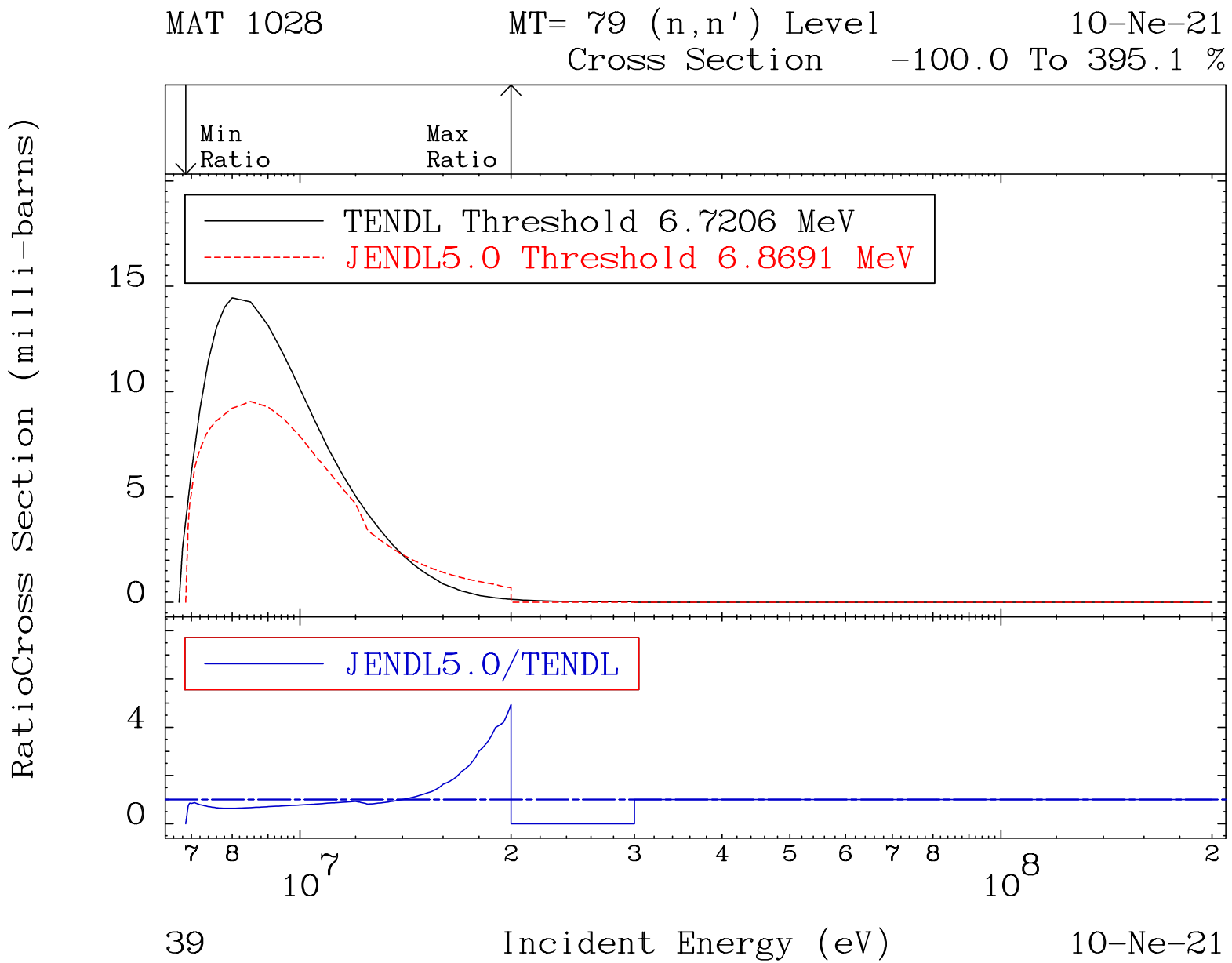

MAT 1028
MT= 74 (n,n') Level
10-Ne-21
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 6.3232 MeV
JENDL5.0 Threshold 6.5611 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
1.2
0.6
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
34
Incident Energy (eV)
10-Ne-21

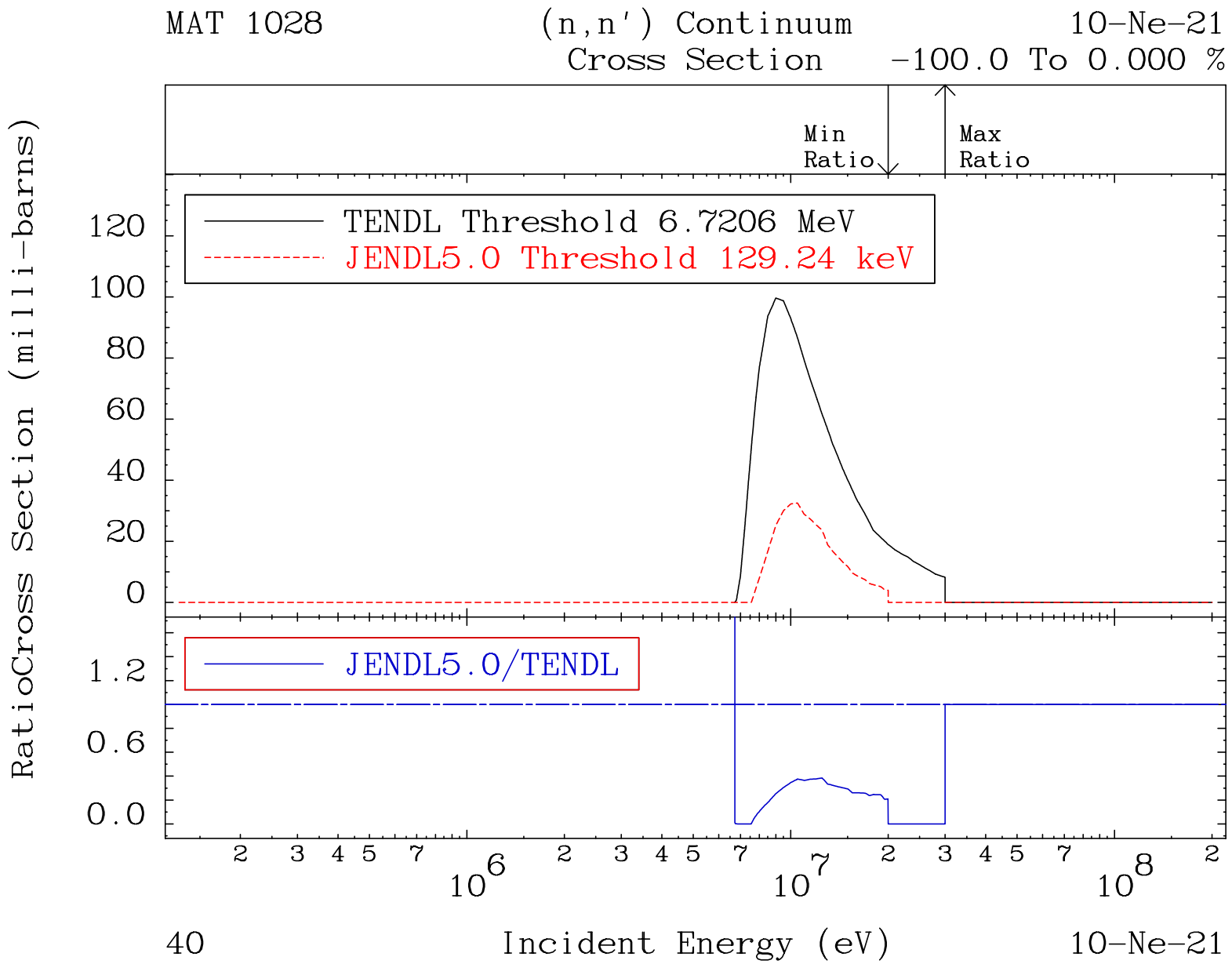

MAT 1028
MT= 75 (n,n') Level
10-Ne-21
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 6.4708 MeV
JENDL5.0 Threshold 6.5678 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
1.2
0.6
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
35
Incident Energy (eV)
10-Ne-21

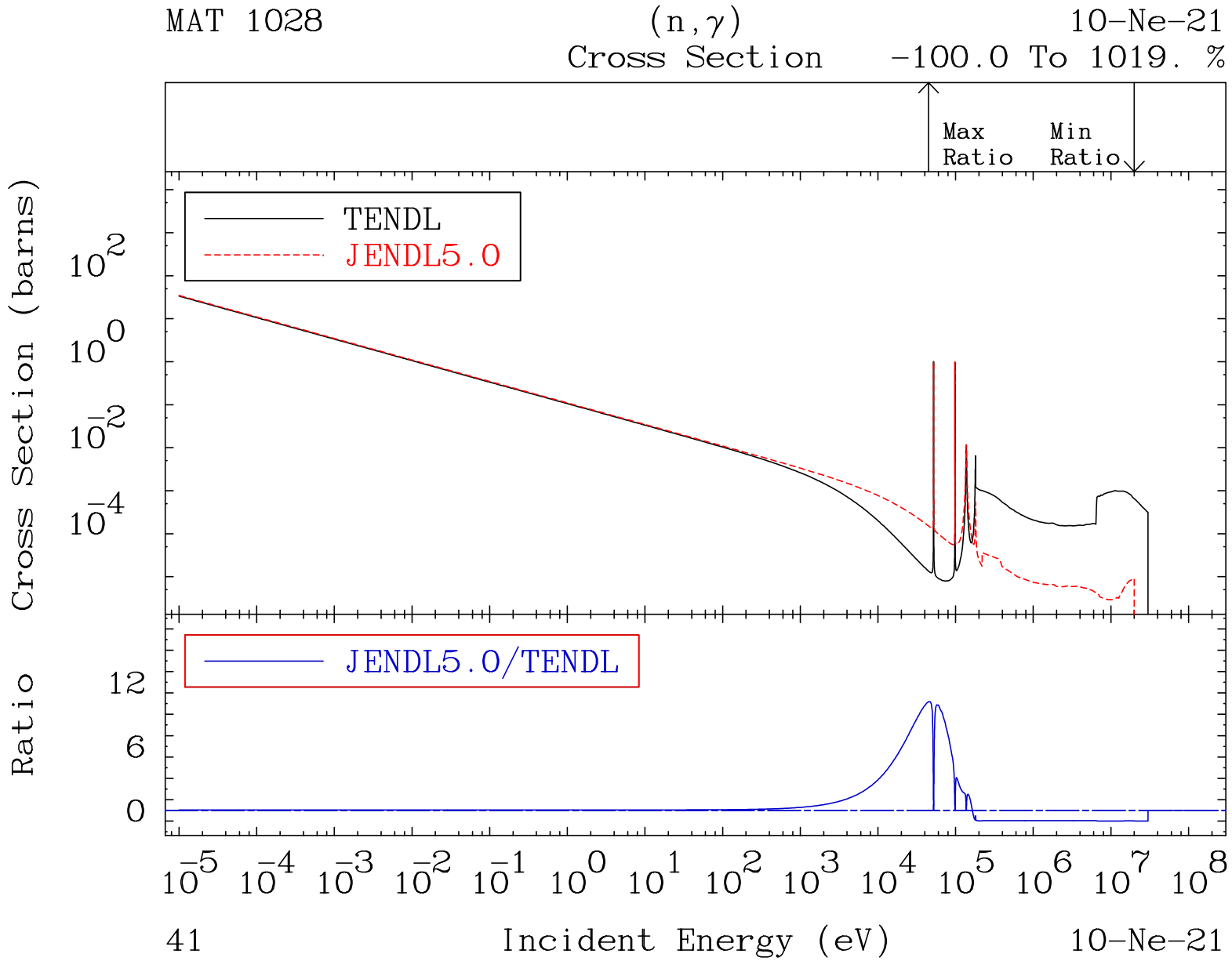

MAT 1028
MT= 76 (n,n') Level
10-Ne-21
Cross Section -100.0 To 1084. %
Min Ratio
Max Ratio
TENDL Threshold 6.5639 MeV
JENDL5.0 Threshold 6.7200 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
10
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
36
Incident Energy (eV)
10-Ne-21

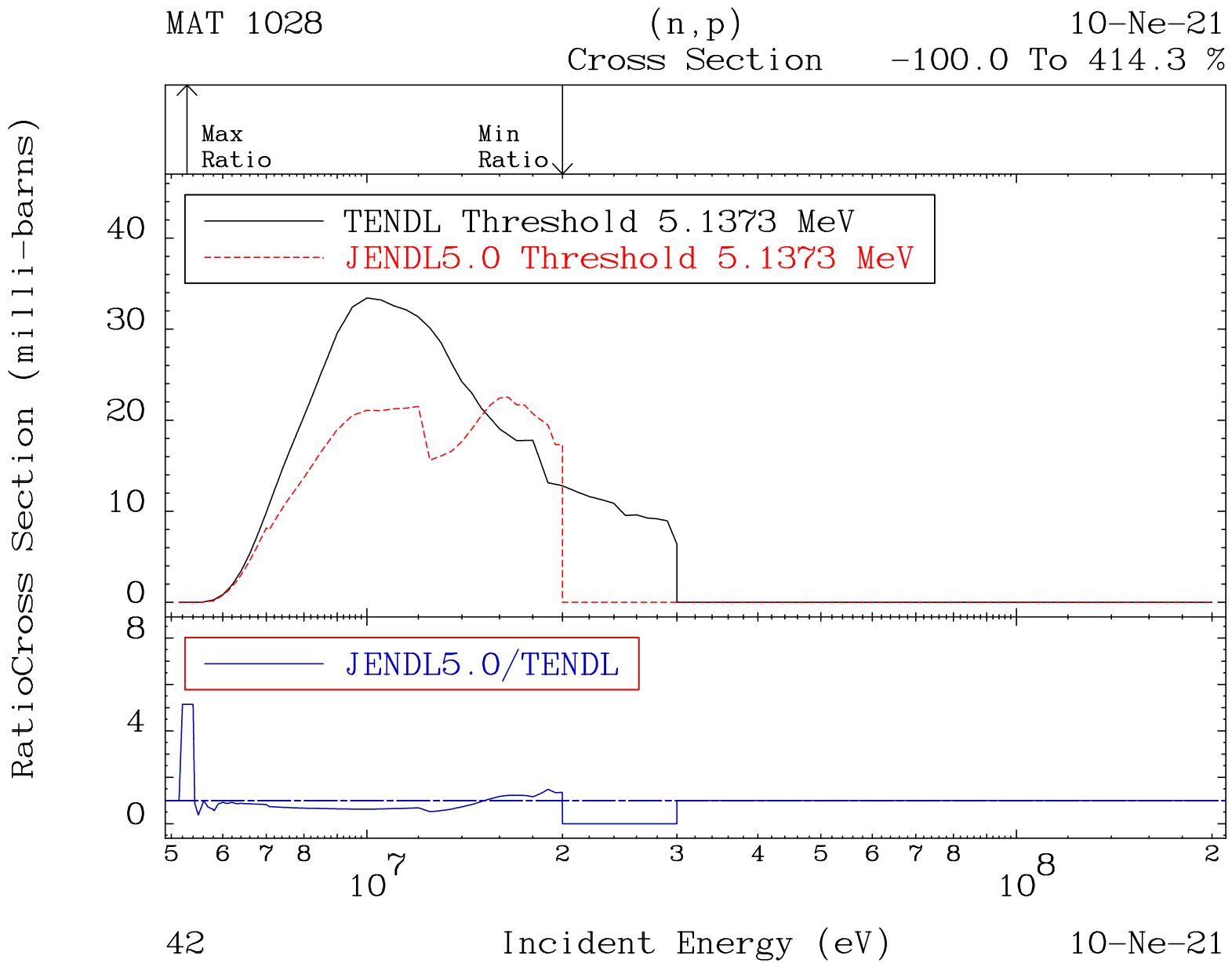

MAT 1028
MT= 77 (n,n') Level
10-Ne-21
Cross Section -100.0 To 841.5 %
Min Ratio
Max Ratio
TENDL Threshold 6.5681 MeV
JENDL5.0 Threshold 6.7581 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
12
6
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
37
Incident Energy (eV)
10-Ne-21

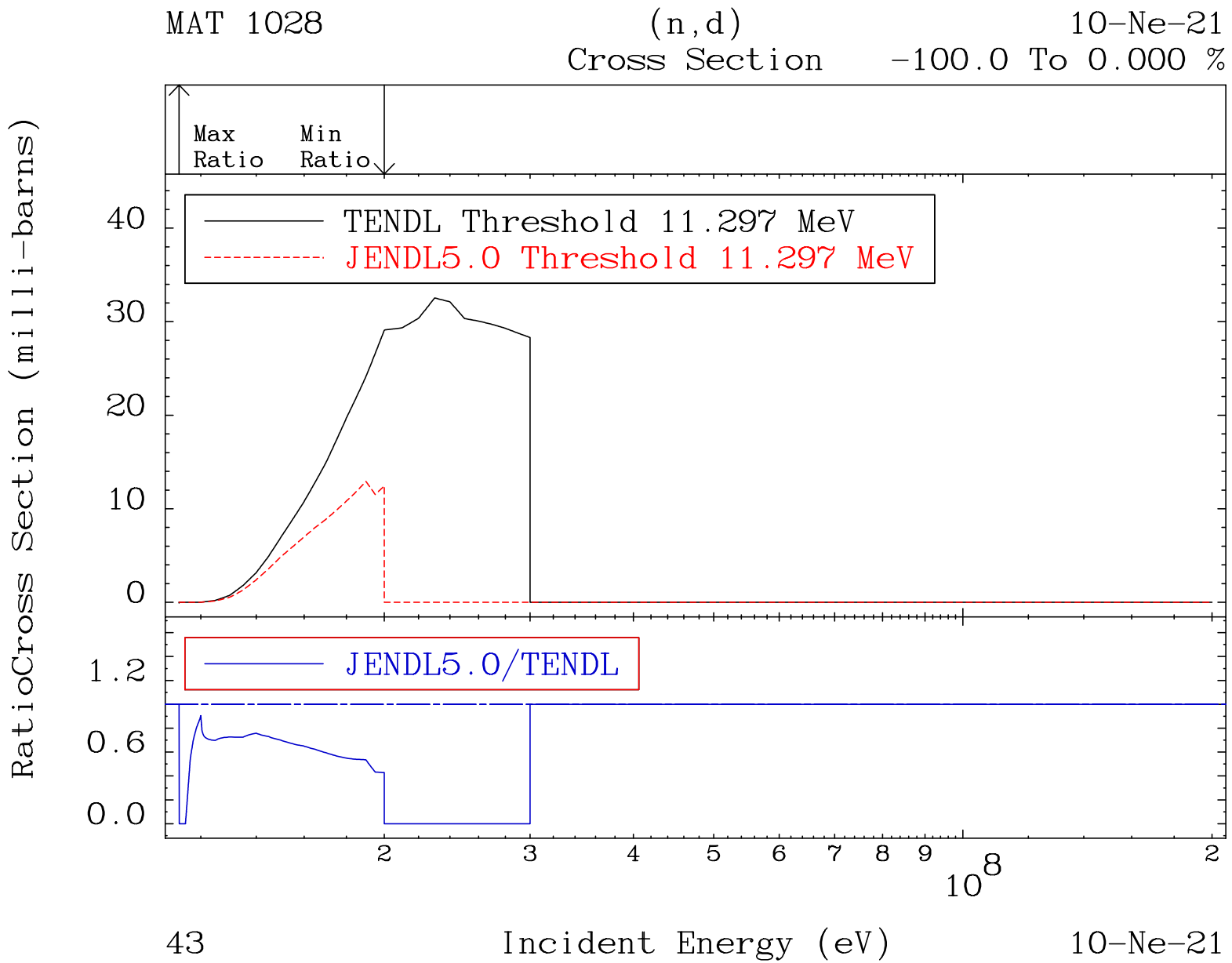

MAT 1028
MT= 78 (n,n') Level
10-Ne-21
Cross Section -100.0 To 660.7 %
Min Ratio
Max Ratio
TENDL Threshold 6.5726 MeV
JENDL5.0 Threshold 6.8579 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
8
4
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
38
Incident Energy (eV)
10-Ne-21

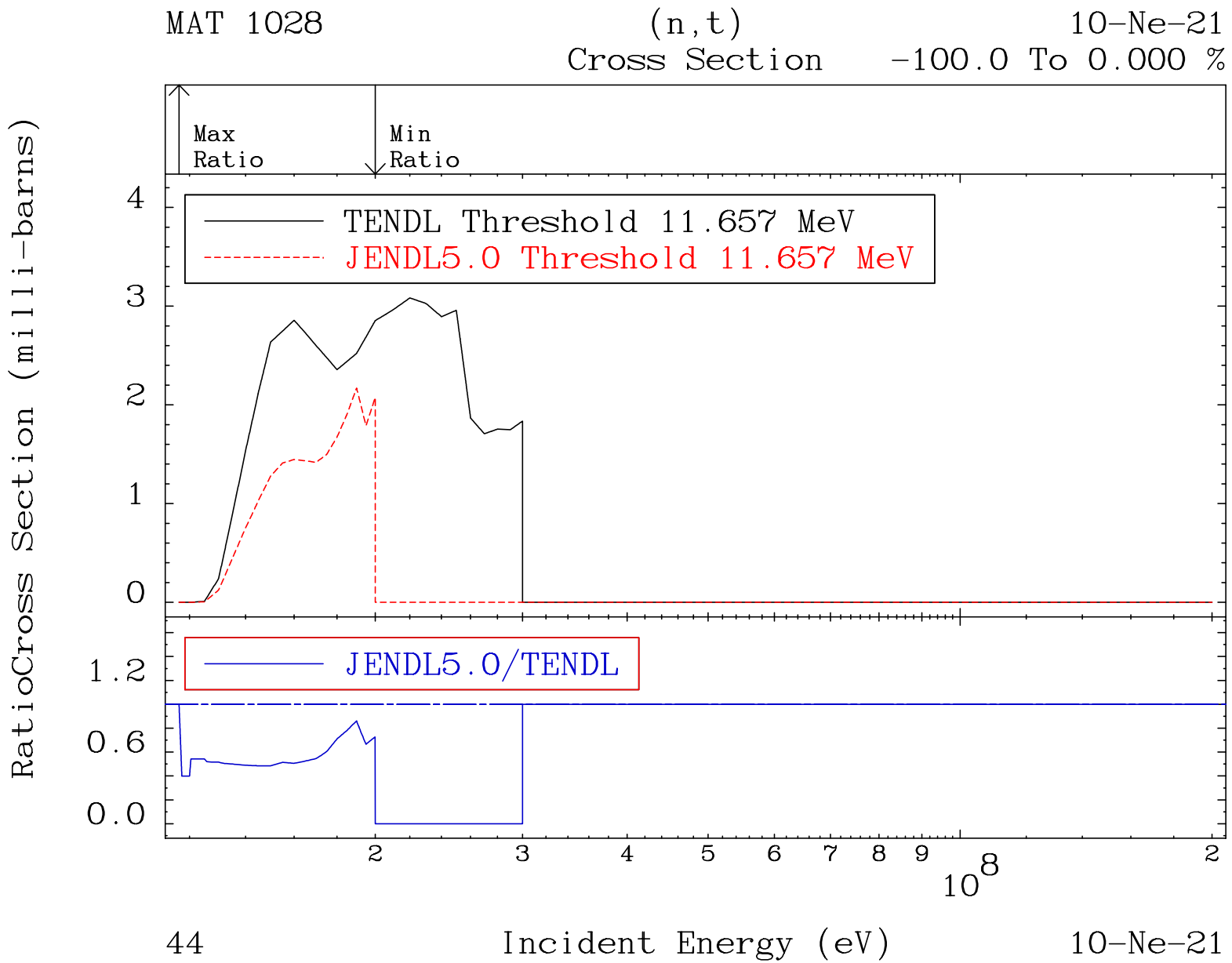

MAT 1028
MT= 79 (n,n') Level
10-Ne-21
Cross Section -100.0 To 395.1 %
Min Ratio
Max Ratio
TENDL Threshold 6.7206 MeV
JENDL5.0 Threshold 6.8691 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
15
10
5
0
4
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
39
Incident Energy (eV)
10-Ne-21

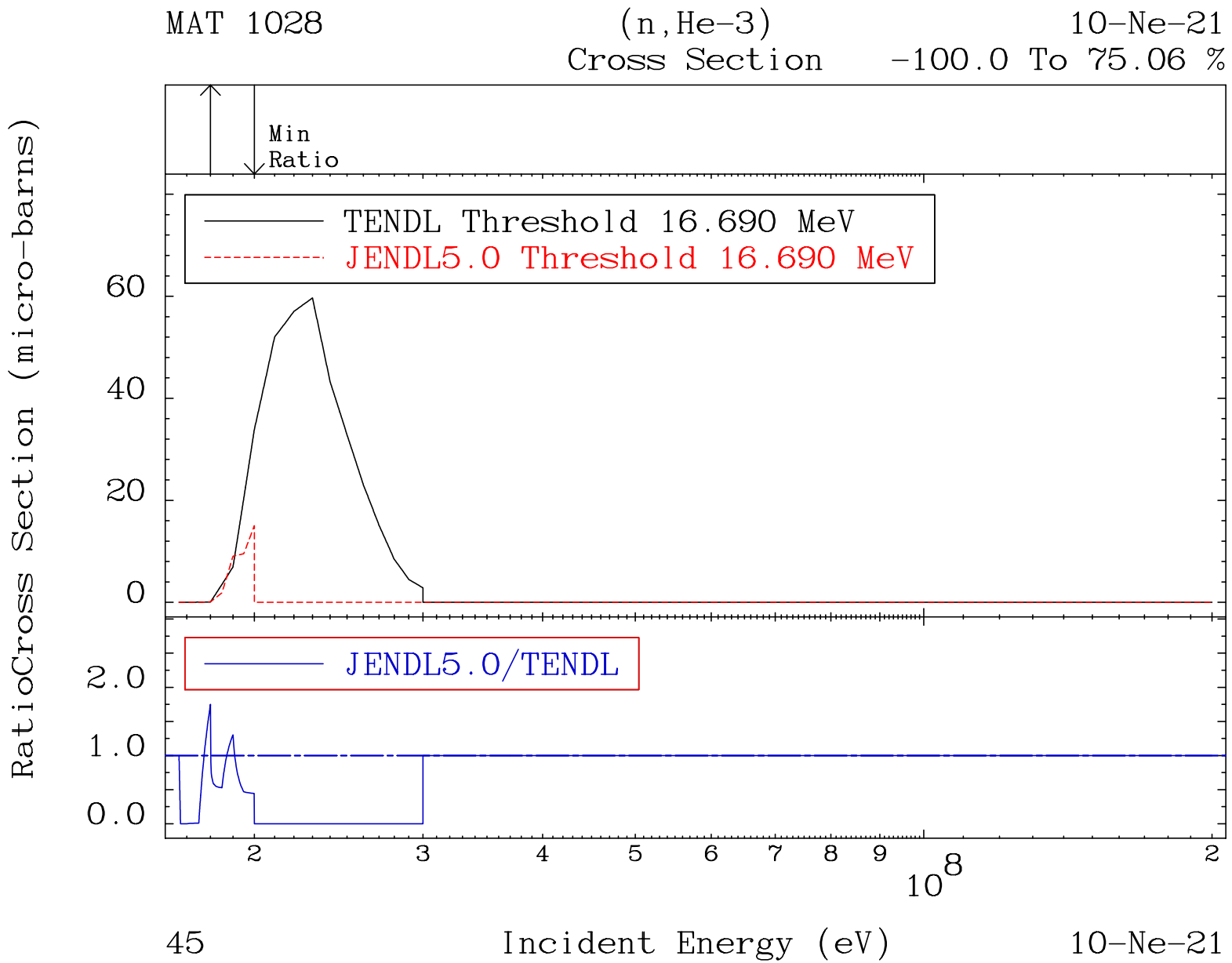

MAT 1028
(n,n') Continuum
Cross Section
10-Ne-21
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 6.7206 MeV
JENDL5.0 Threshold 129.24 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.2
0.6
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
40
Incident Energy (eV)
10-Ne-21

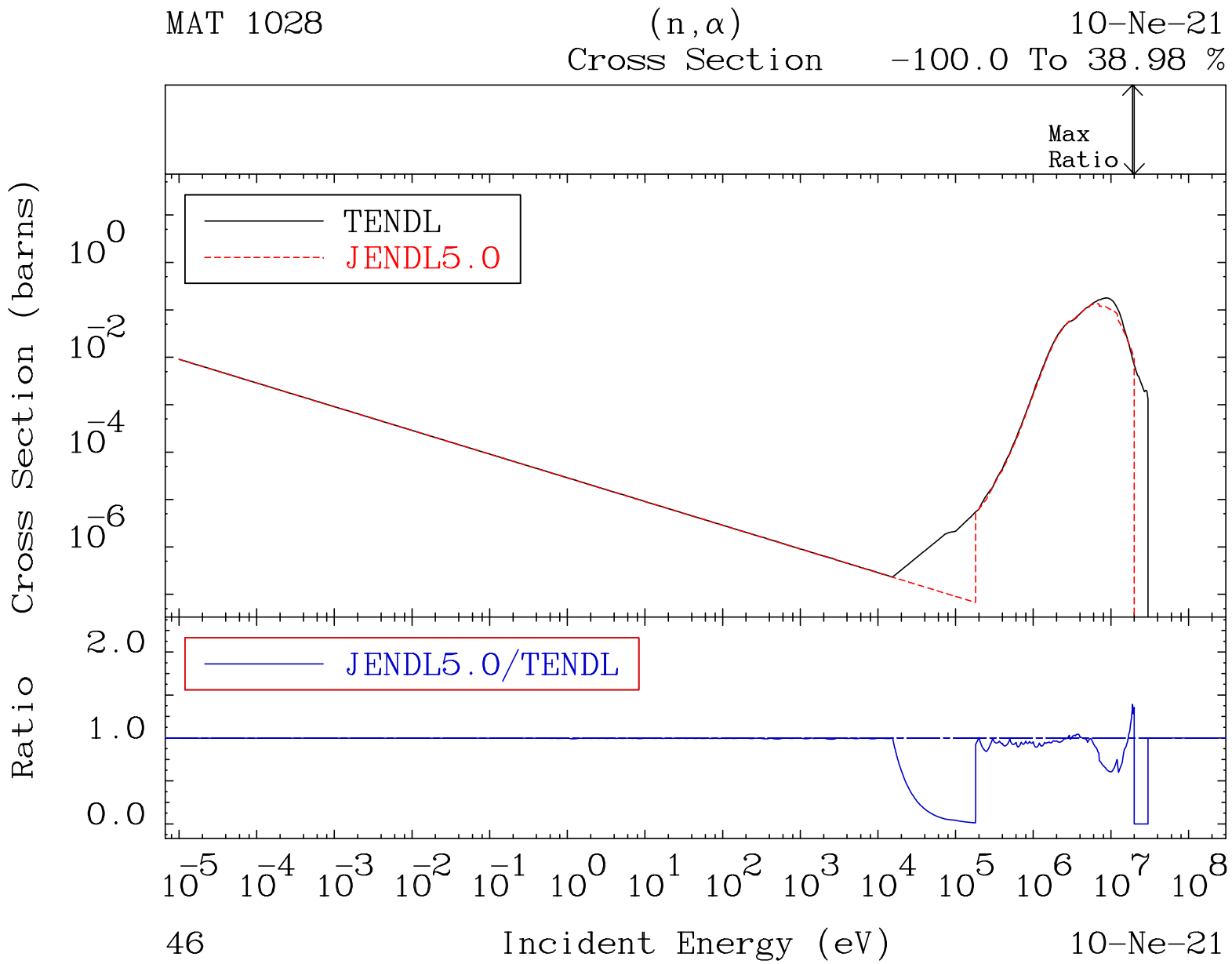

MAT 1028
(n,γ)
Cross Section
10-Ne-21
-100.0 To 1019. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^2
10^0
10^-2
10^-4
JENDL5.0/TENDL
Ratio
12
6
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
41
Incident Energy (eV)
10-Ne-21

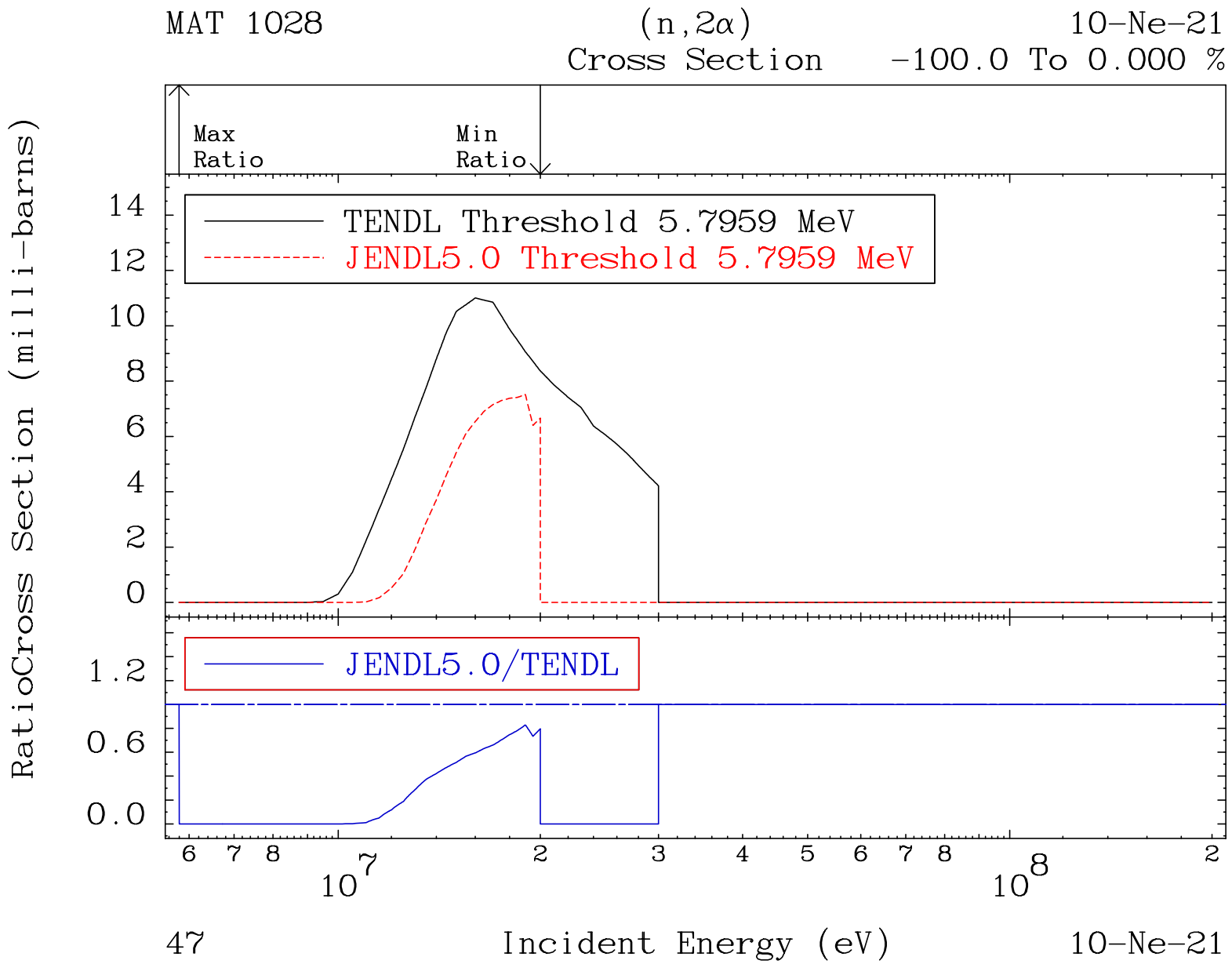

MAT 1028
(n,p)
Cross Section
10-Ne-21
-100.0 To 414.3 %
Max Ratio
Min Ratio
TENDL Threshold 5.1373 MeV
JENDL5.0 Threshold 5.1373 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
8
4
0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
42
Incident Energy (eV)
10-Ne-21

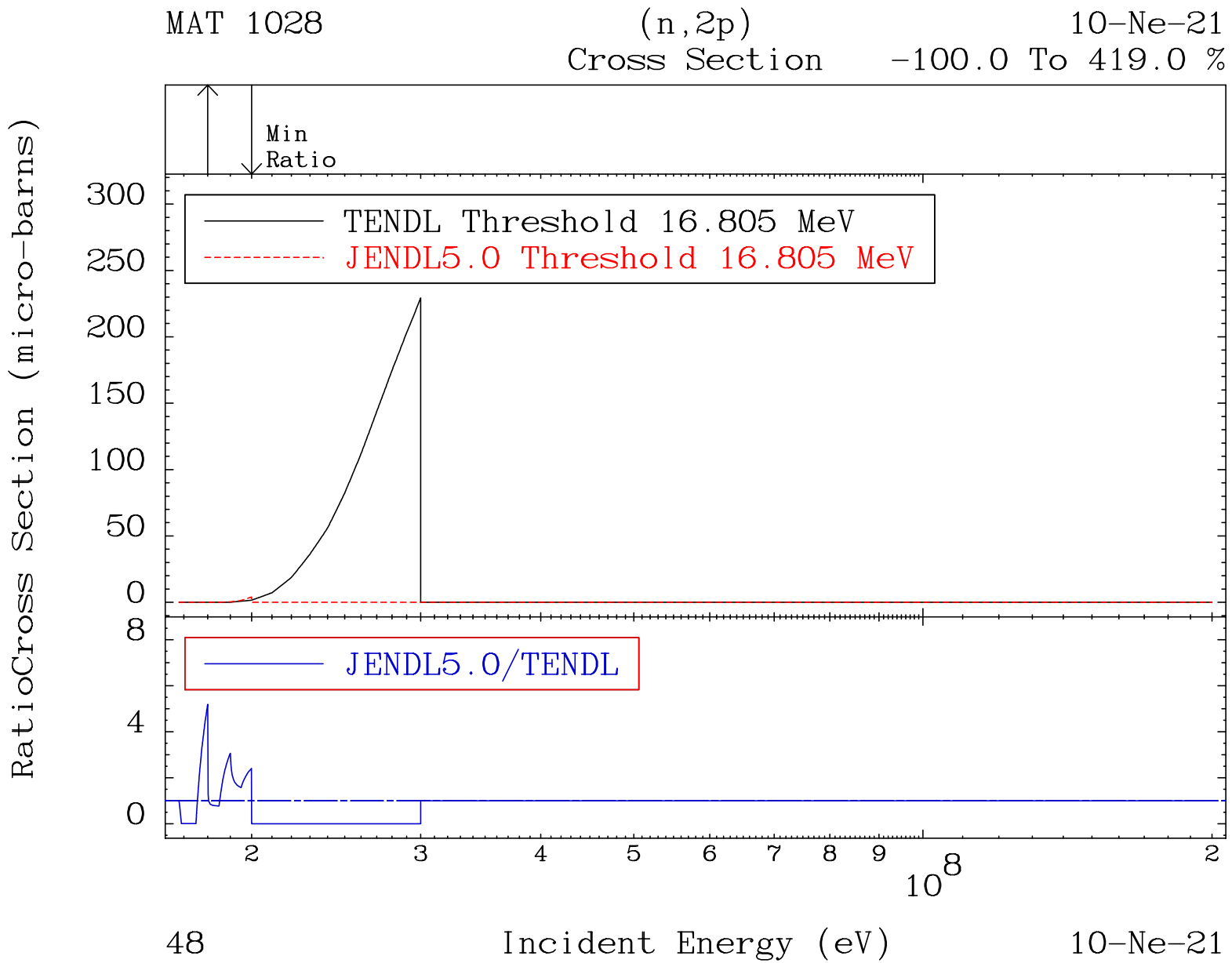

MAT 1028
(n,d)
10-Ne-21
Cross Section
-100.0 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 11.297 MeV
JENDL5.0 Threshold 11.297 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
2
10^8
43
Incident Energy (eV)
10-Ne-21

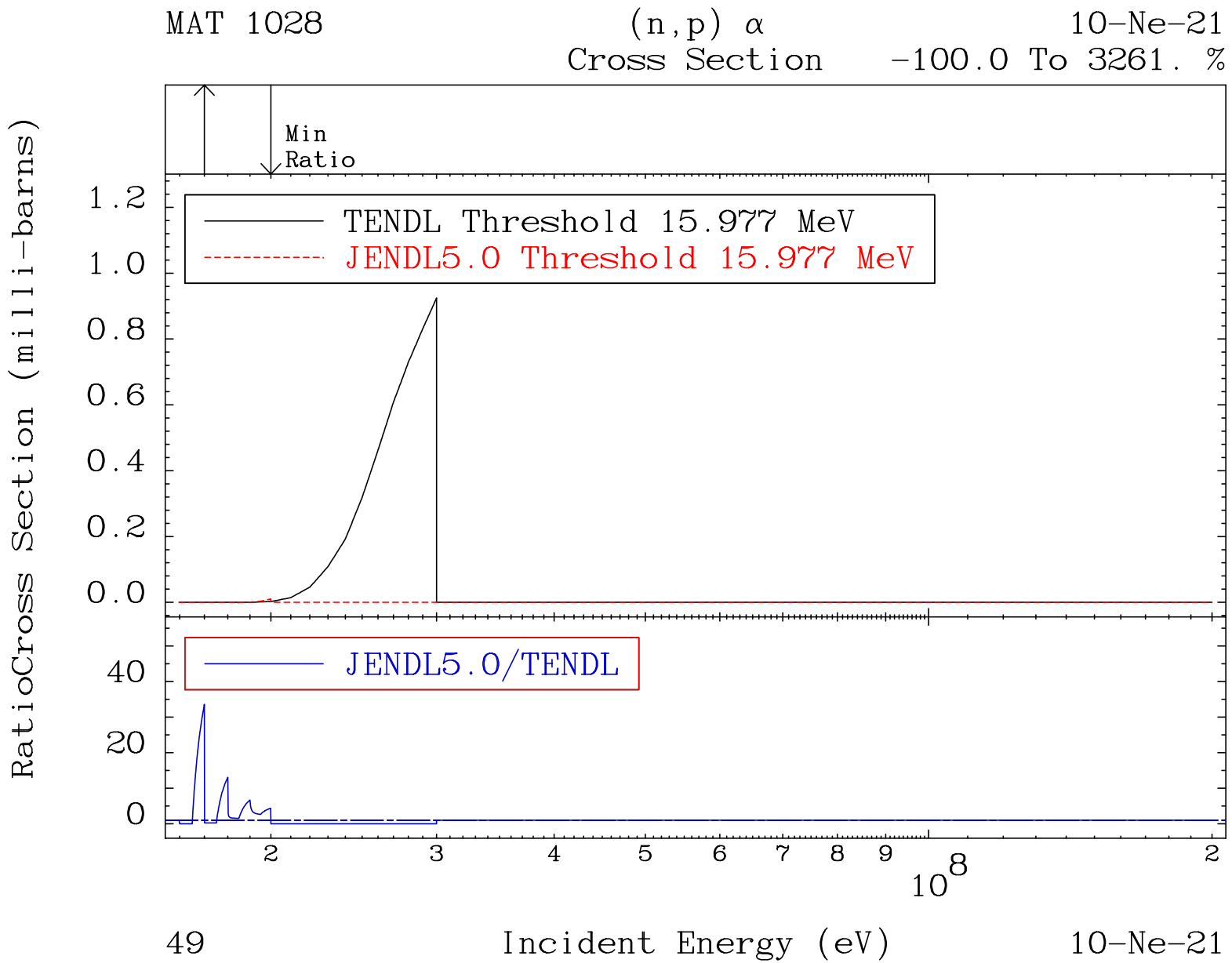

MAT 1028
(n,t)
Cross Section
10-Ne-21
-100.0 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 11.657 MeV
JENDL5.0 Threshold 11.657 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
4
3
2
1
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
44
Incident Energy (eV)
10-Ne-21

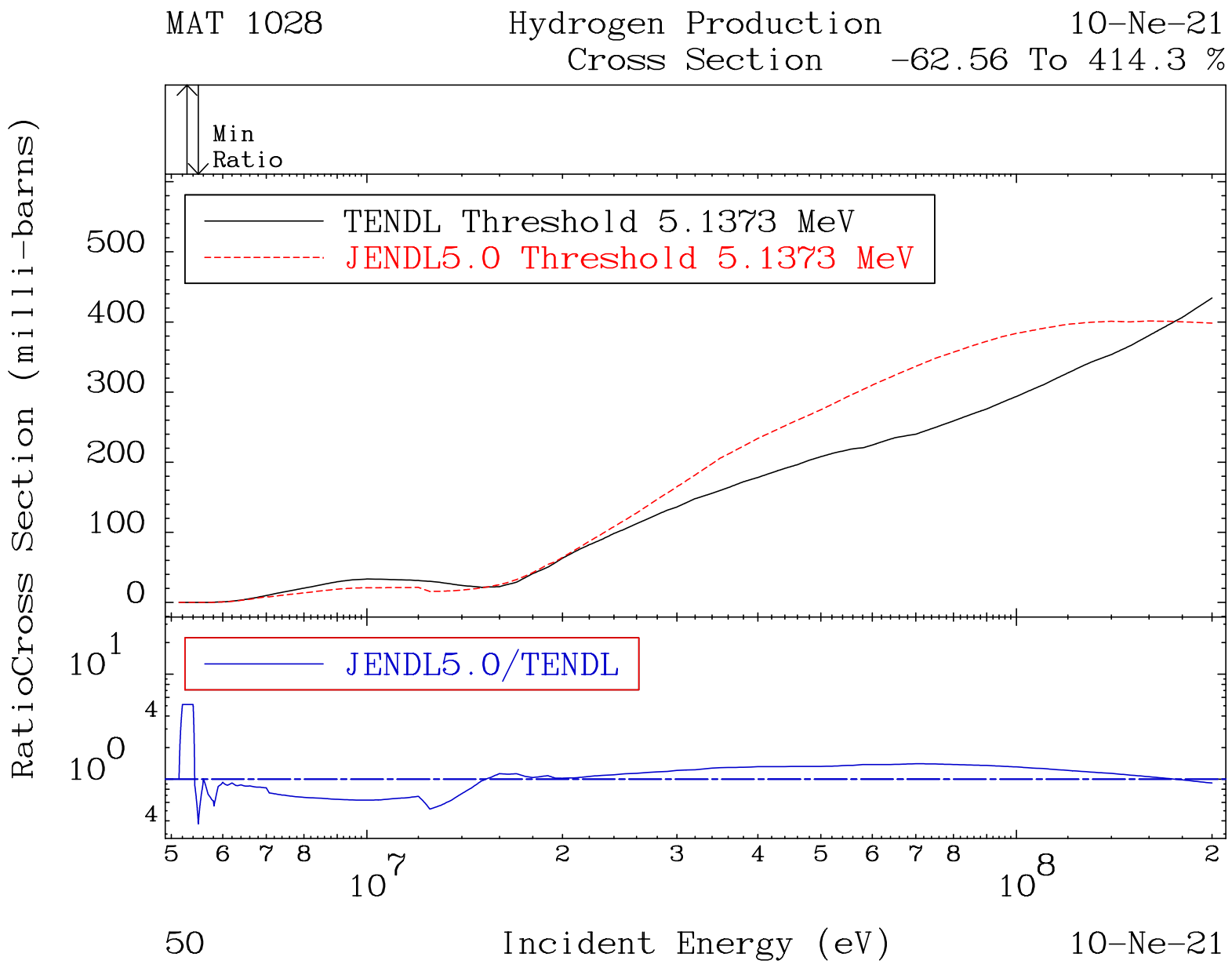

MAT 1028
(n,He-3)
Cross Section
10-Ne-21
-100.0 To 75.06 %
Min
Ratio
TENDL Threshold 16.690 MeV
JENDL5.0 Threshold 16.690 MeV
60
40
20
0
JENDL5.0/TENDL
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (micro-barns)
45
Incident Energy (eV)
10-Ne-21

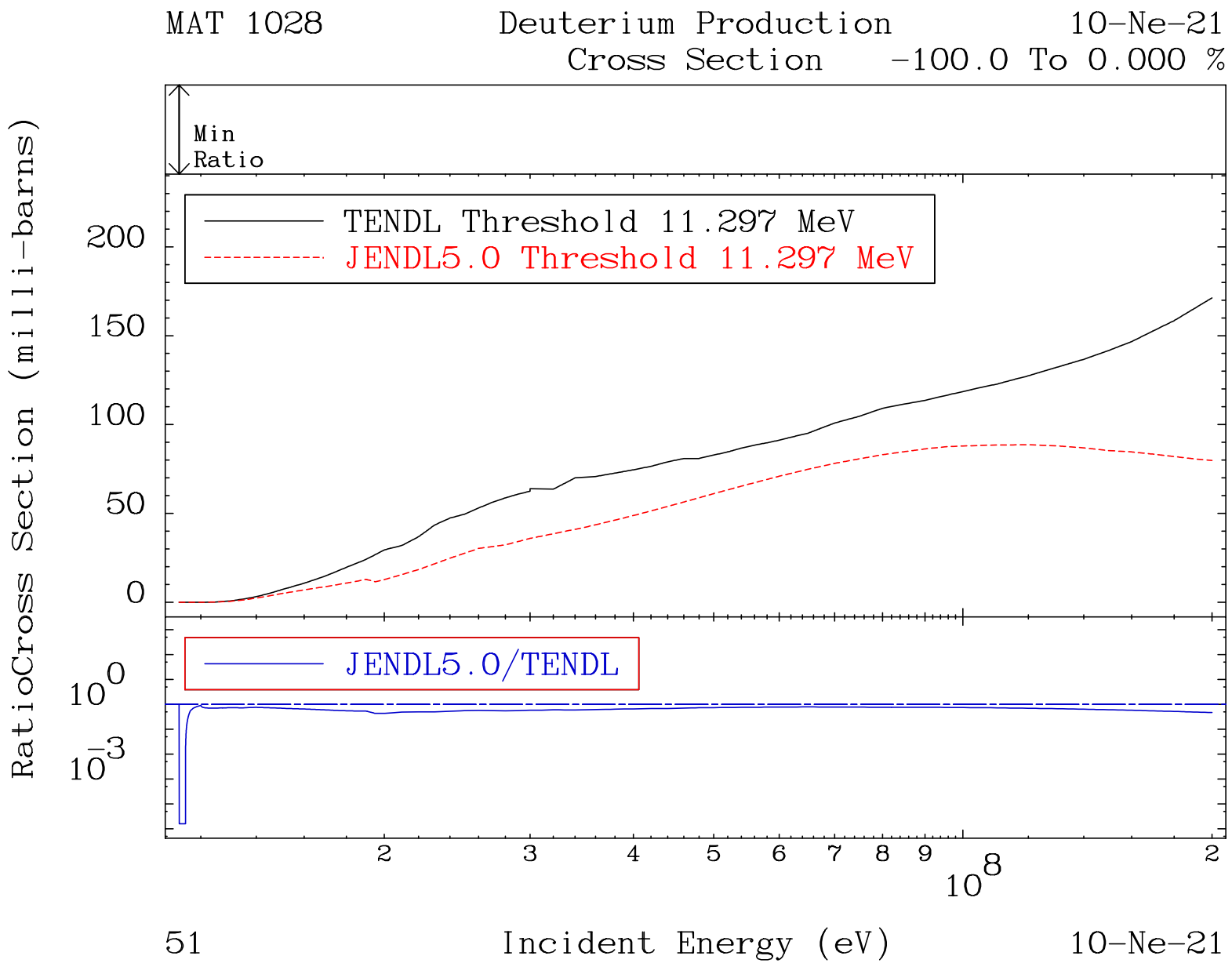

MAT 1028
(n,α)
Cross Section
10-Ne-21
-100.0 To 38.98 %
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
JENDL5.0/TENDL
Ratio
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
46
Incident Energy (eV)
10-Ne-21

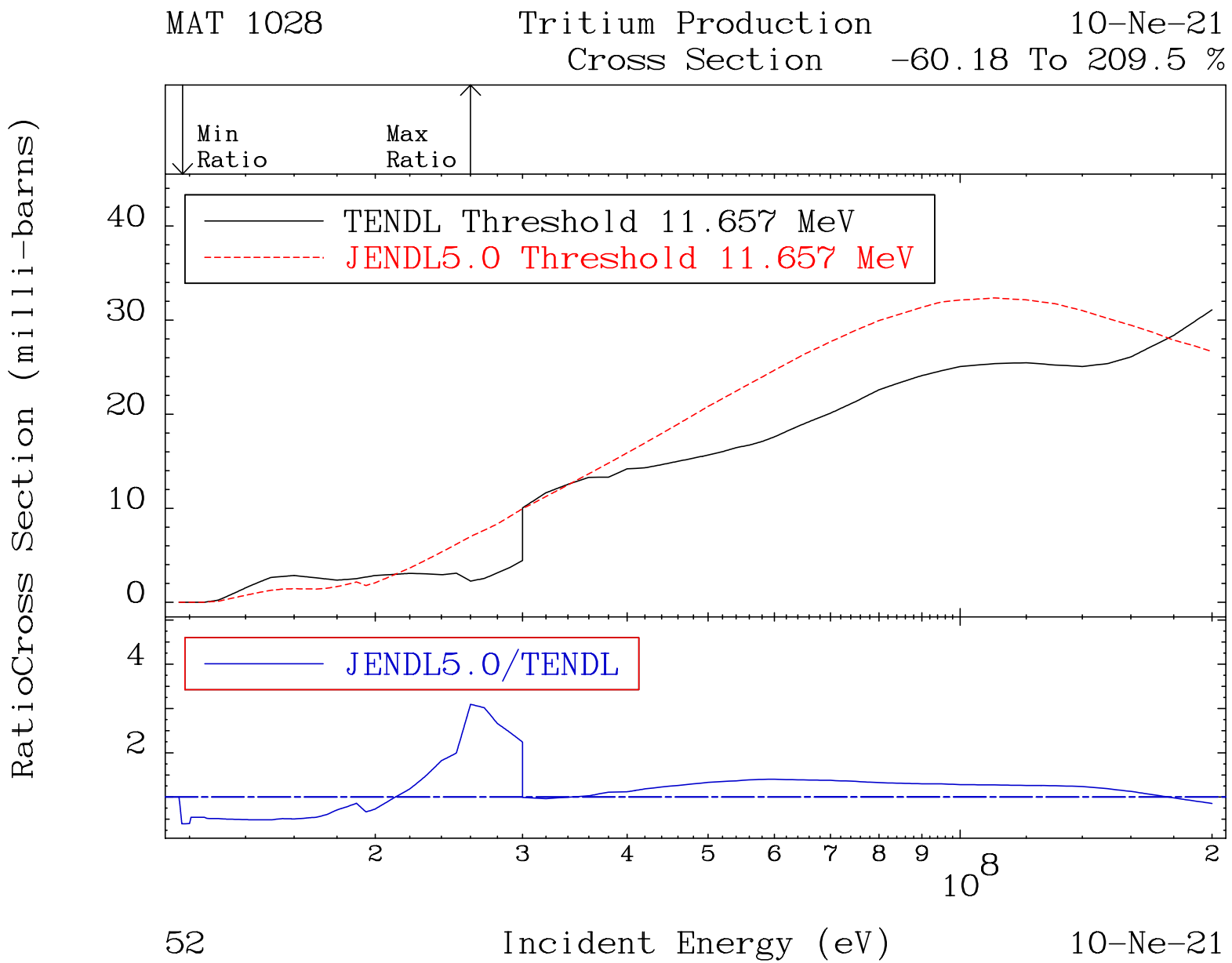

MAT 1028
(n,2α)
10-Ne-21
Cross Section
-100.0 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 5.7959 MeV
JENDL5.0 Threshold 5.7959 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
14
12
10
8
6
4
2
0
1.2
0.6
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
47
Incident Energy (eV)
10-Ne-21

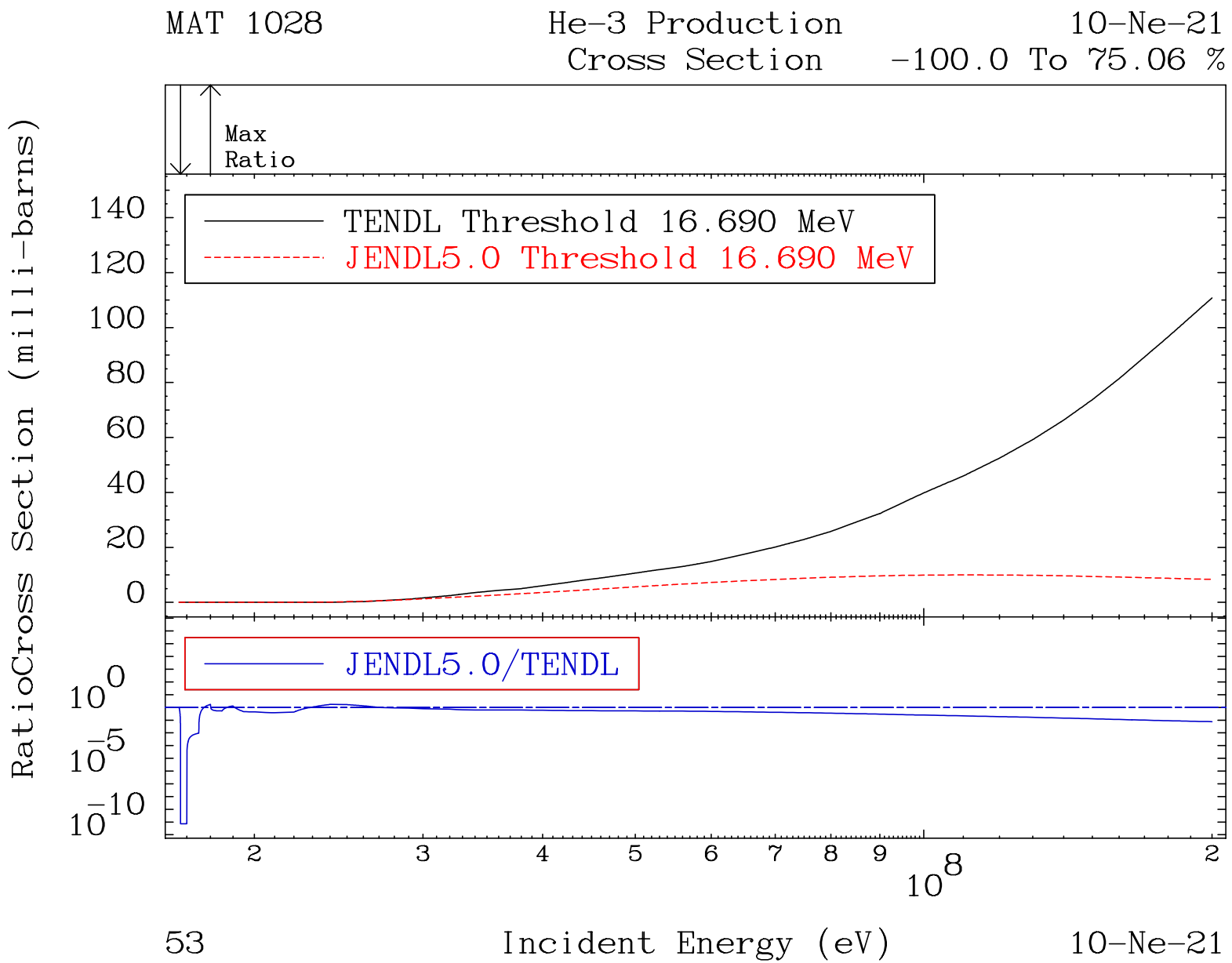

MAT 1028
(n,2p)
Cross Section
10-Ne-21
-100.0 To 419.0 %
Min
Ratio
TENDL Threshold 16.805 MeV
JENDL5.0 Threshold 16.805 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
300
250
200
150
100
50
0
8
4
0
2
3
4
5
6
7
8
9
2
10^8
48
Incident Energy (eV)
10-Ne-21

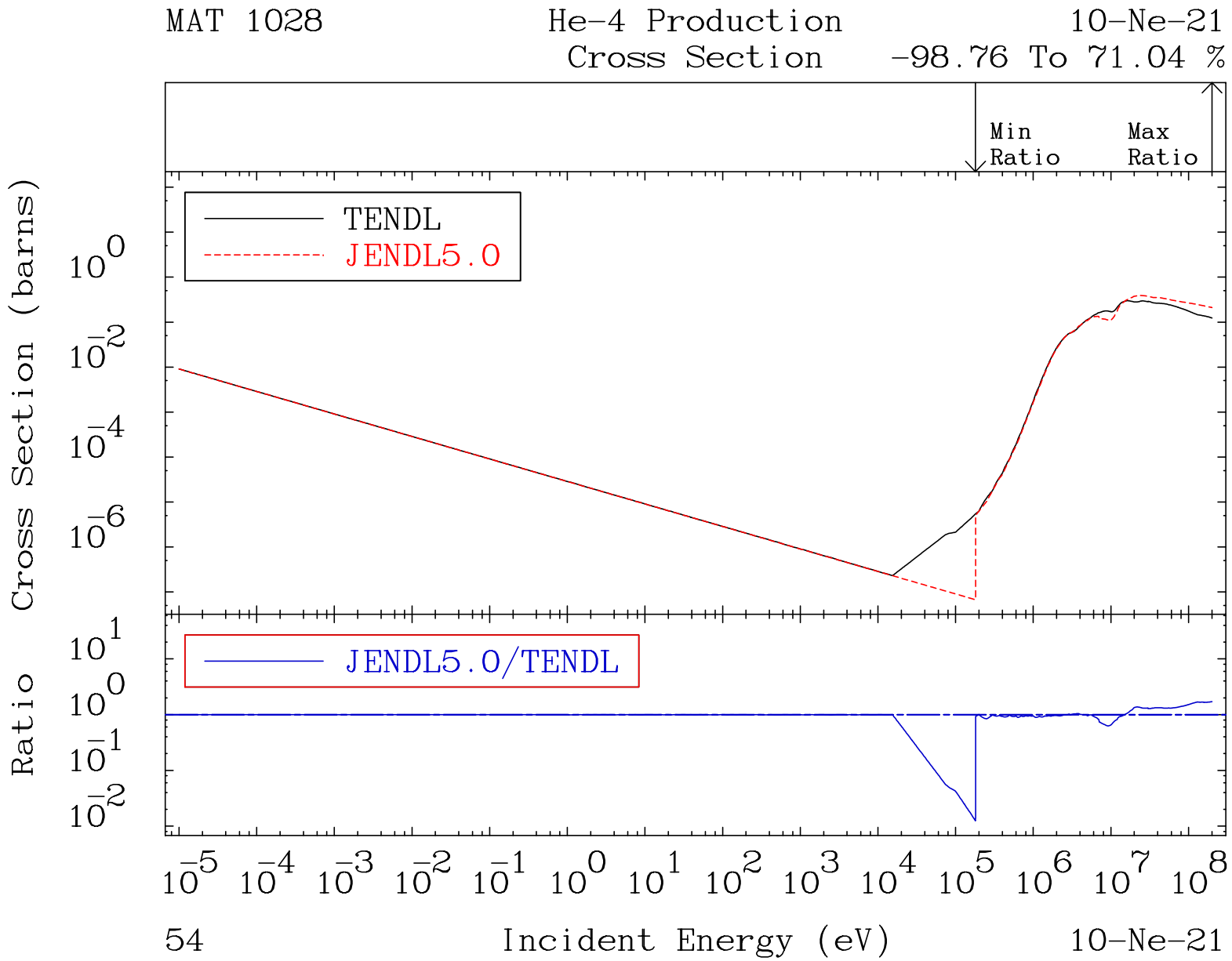

MAT 1028
(n,p) α
Cross Section
10-Ne-21
-100.0 To 3261. %
Min
Ratio
TENDL Threshold 15.977 MeV
JENDL5.0 Threshold 15.977 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
40
20
0
2
3
4
5
6
7
8
9
10^8
2
49
Incident Energy (eV)
10-Ne-21

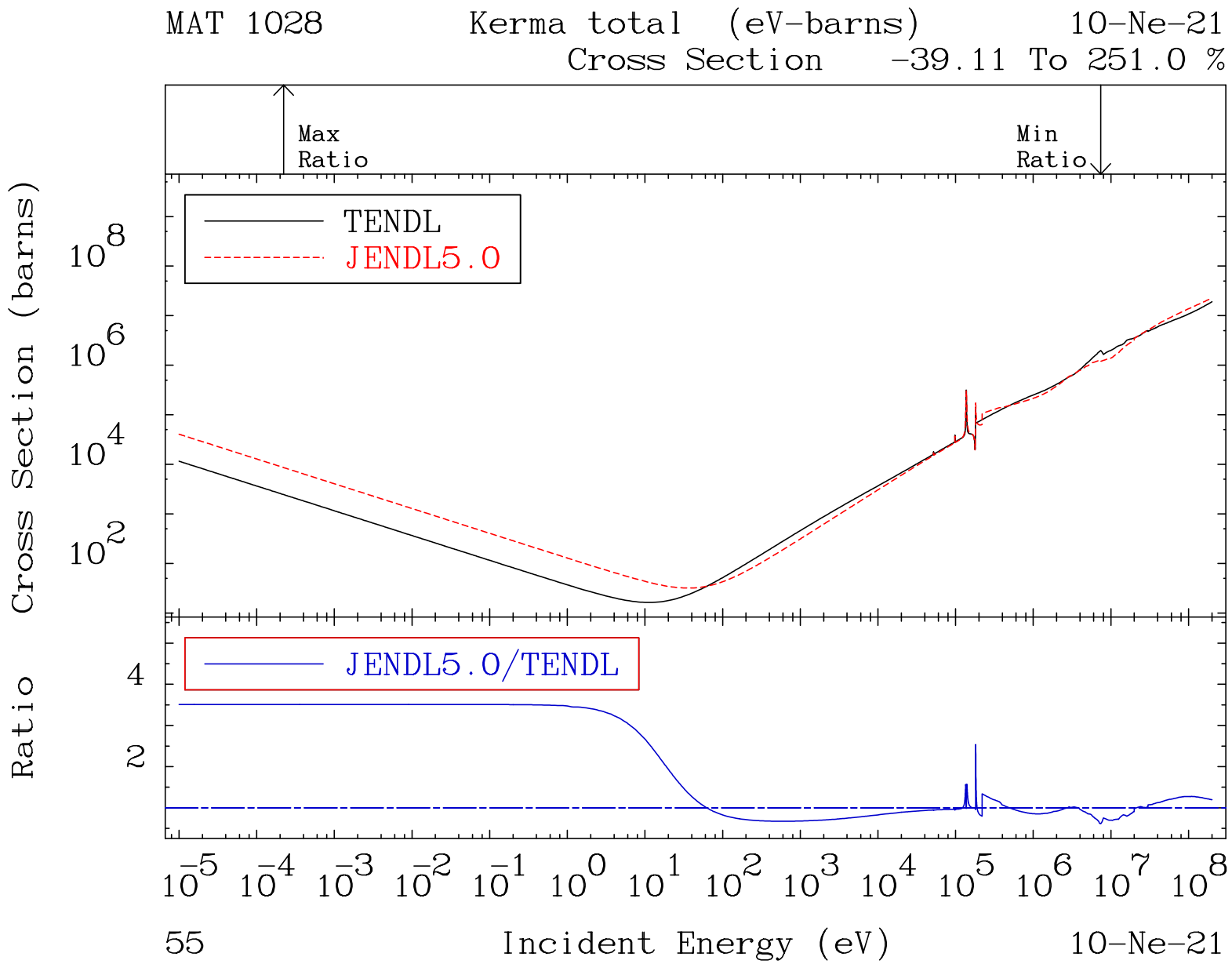

MAT 1028
Hydrogen Production
10-Ne-21
Cross Section -62.56 To 414.3 %
Min
Ratio
TENDL Threshold 5.1373 MeV
JENDL5.0 Threshold 5.1373 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
10^1
10^0
4
4
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
50
Incident Energy (eV)
10-Ne-21

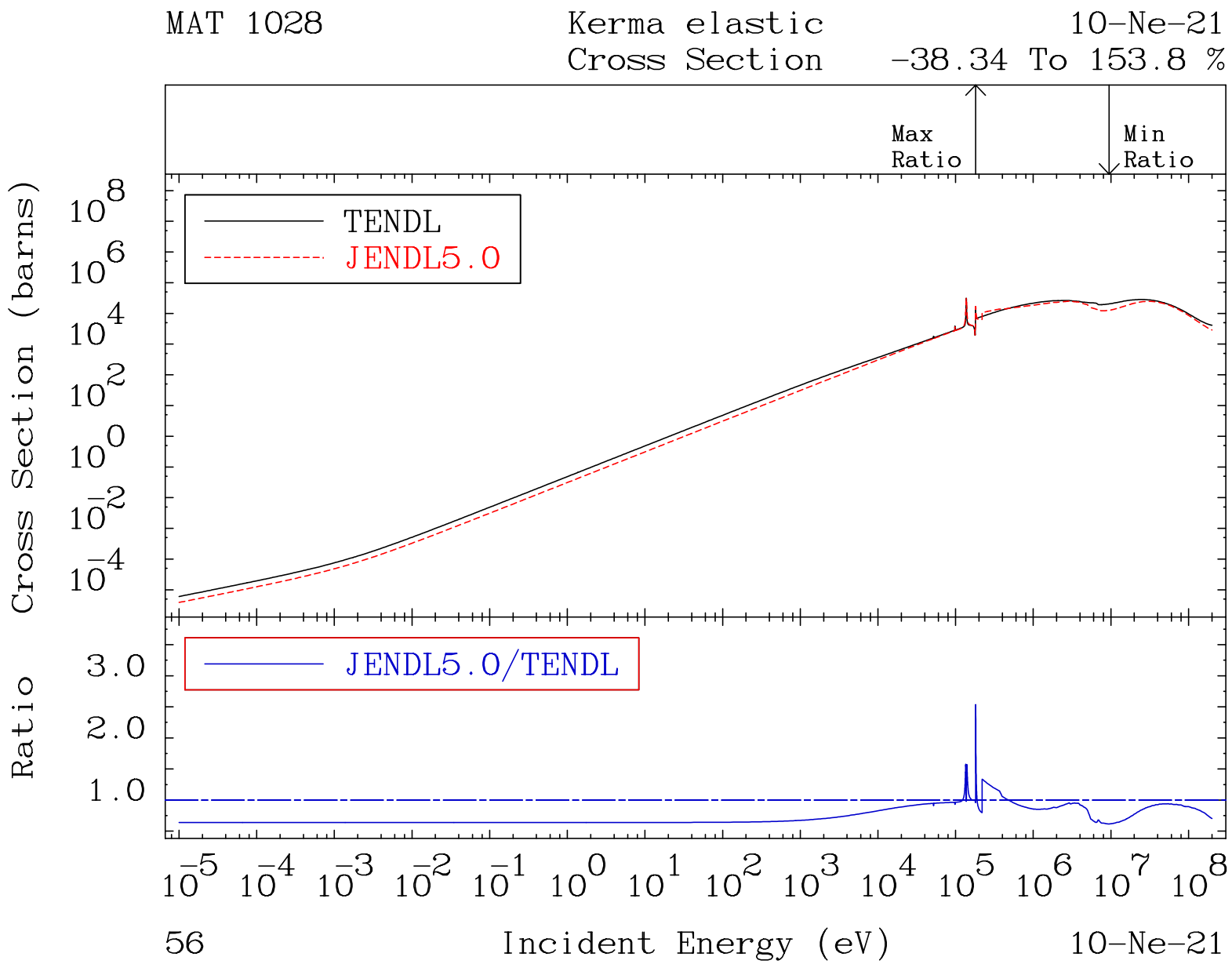

MAT 1028
Deuterium Production
10-Ne-21
Cross Section -100.0 To 0.000 %
Min
Ratio
TENDL Threshold 11.297 MeV
JENDL5.0 Threshold 11.297 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
10^0
10^-3
2
3
4
5
6
7
8
9
2
10^8
51
Incident Energy (eV)
10-Ne-21

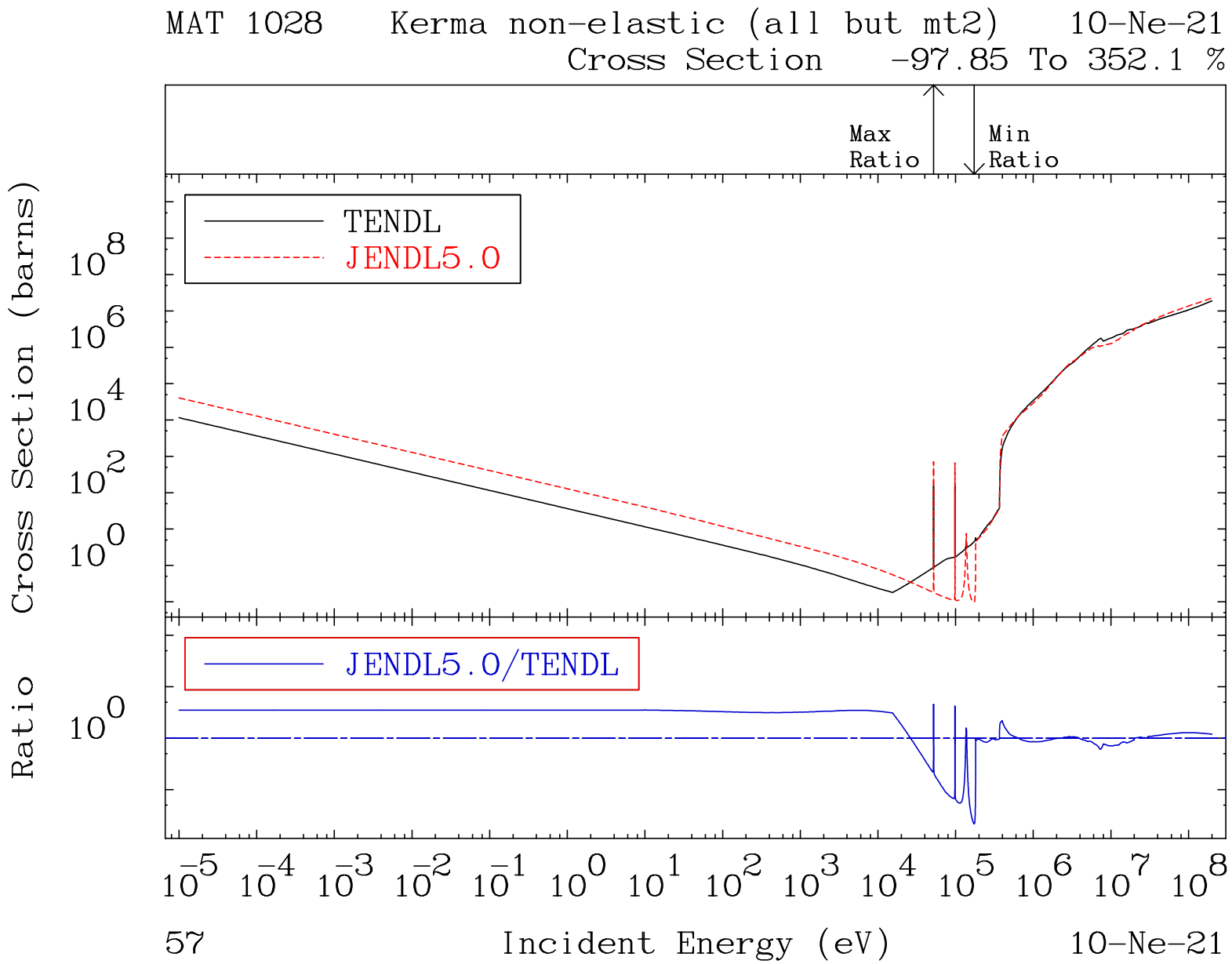

MAT 1028
Tritium Production
10-Ne-21
Cross Section
-60.18 To 209.5 %
Min Ratio
Max Ratio
TENDL Threshold 11.657 MeV
JENDL5.0 Threshold 11.657 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
4
2
2
3
4
5
6
7
8
9
10^8
2
52
Incident Energy (eV)
10-Ne-21

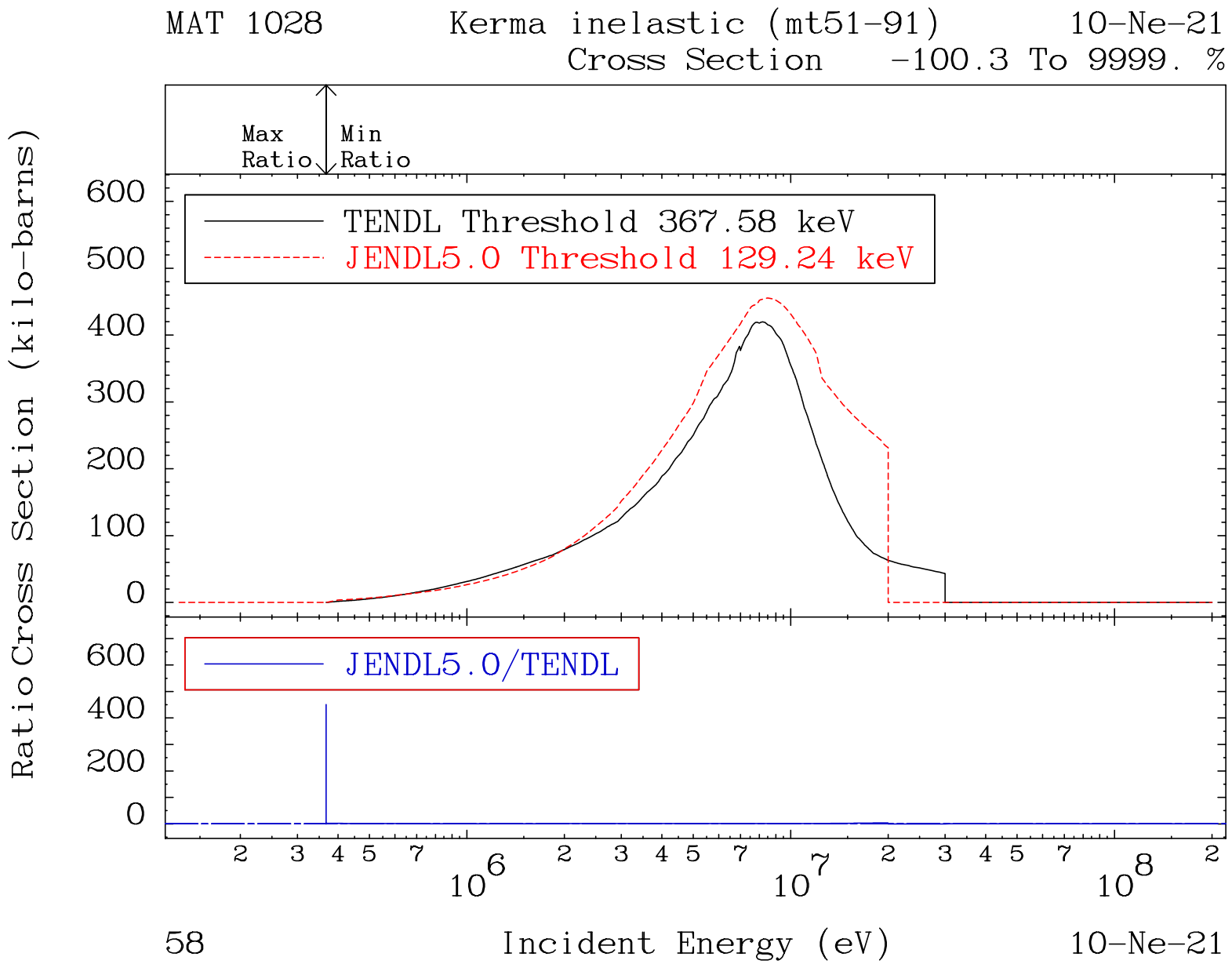

MAT 1028
He-3 Production
Cross Section
10-Ne-21
-100.0 To 75.06 %
Max
Ratio
TENDL Threshold 16.690 MeV
JENDL5.0 Threshold 16.690 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
10^0
10^-5
10^-10
2
3
4
5
6
7
8
9
10^8
2
53
Incident Energy (eV)
10-Ne-21

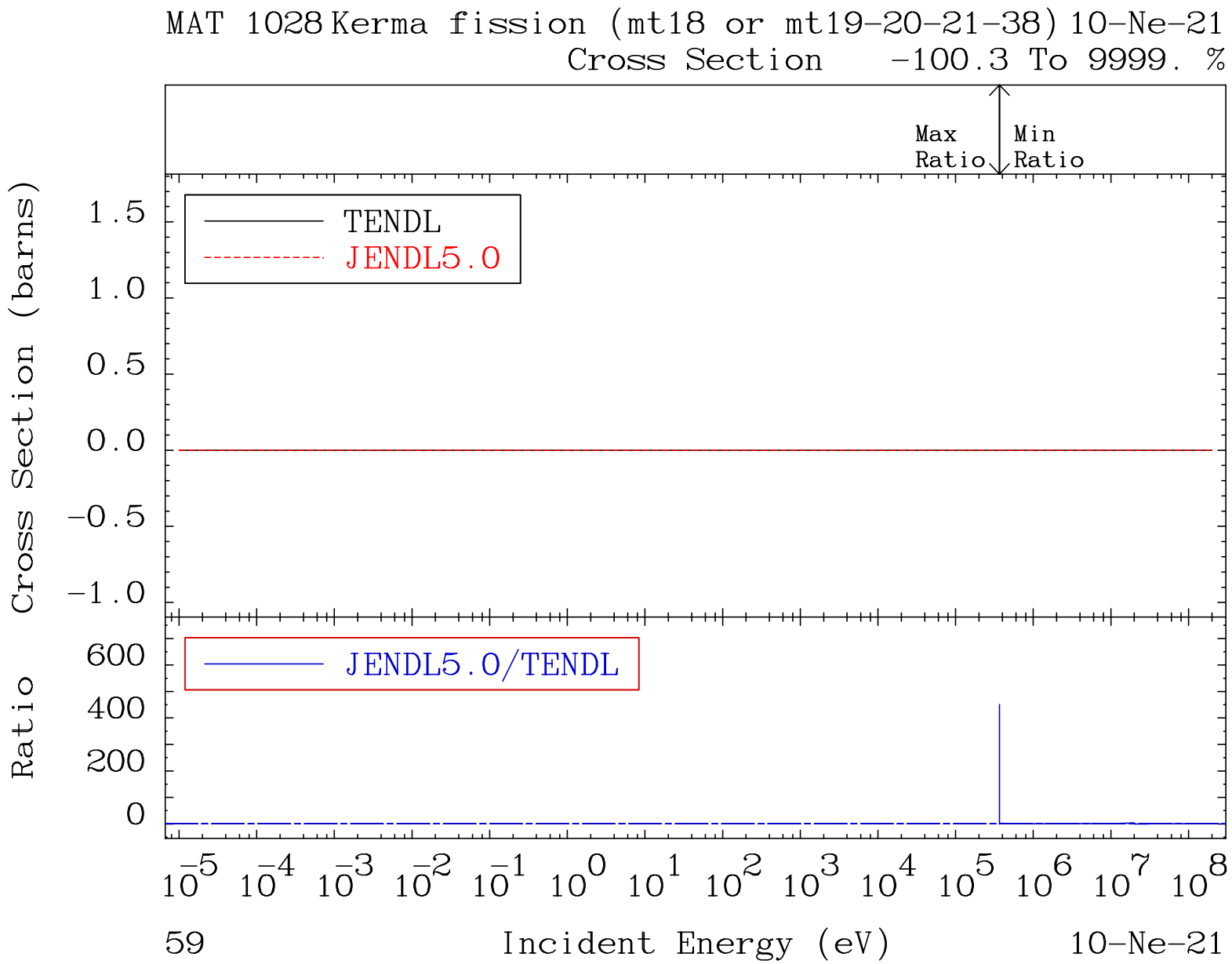

MAT 1028
He-4 Production
Cross Section
10-Ne-21
-98.76 To 71.04 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
10-Ne-21

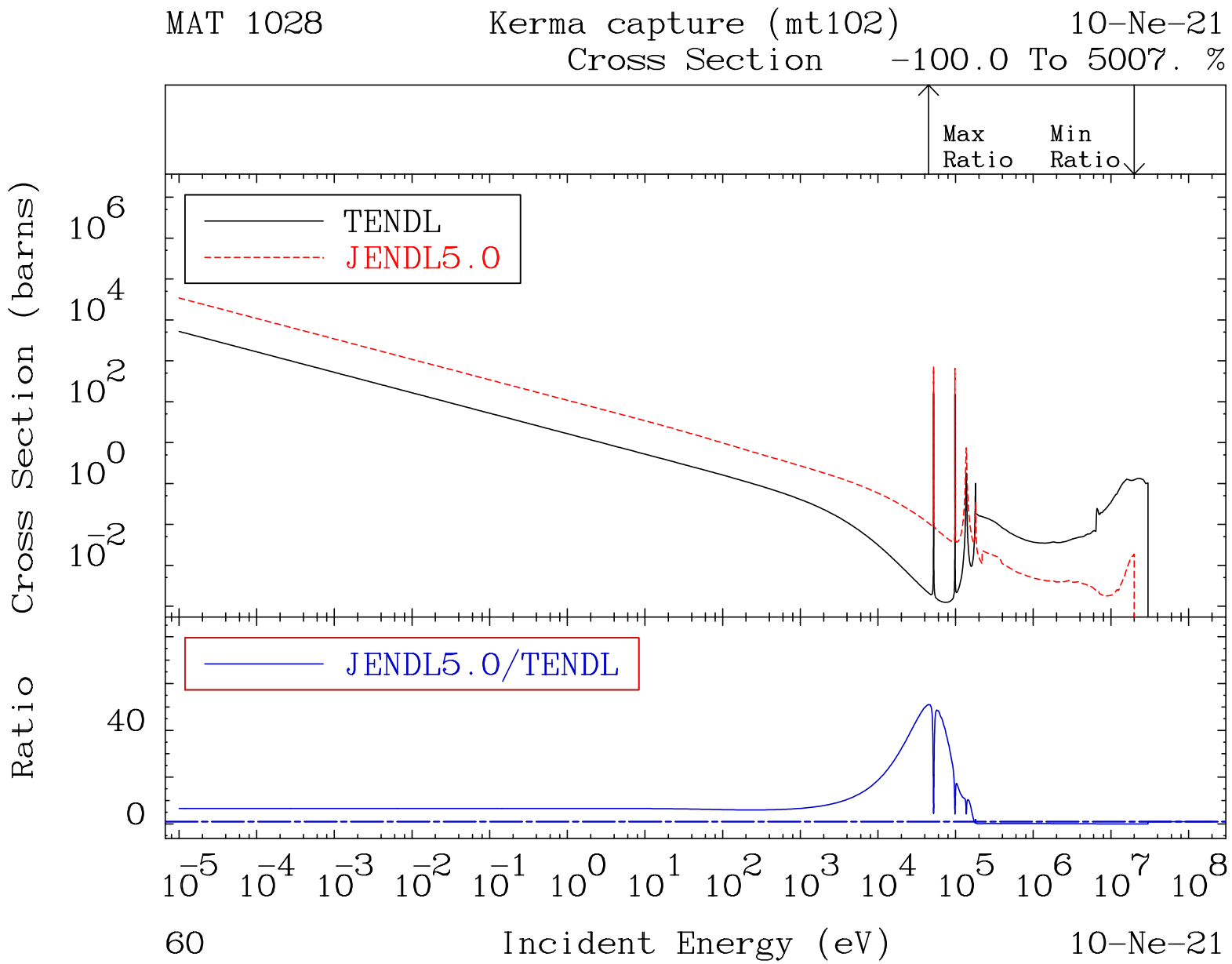

MAT 1028
Kerma total (eV-barns)
10-Ne-21
Cross Section -39.11 To 251.0 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
55
10-Ne-21

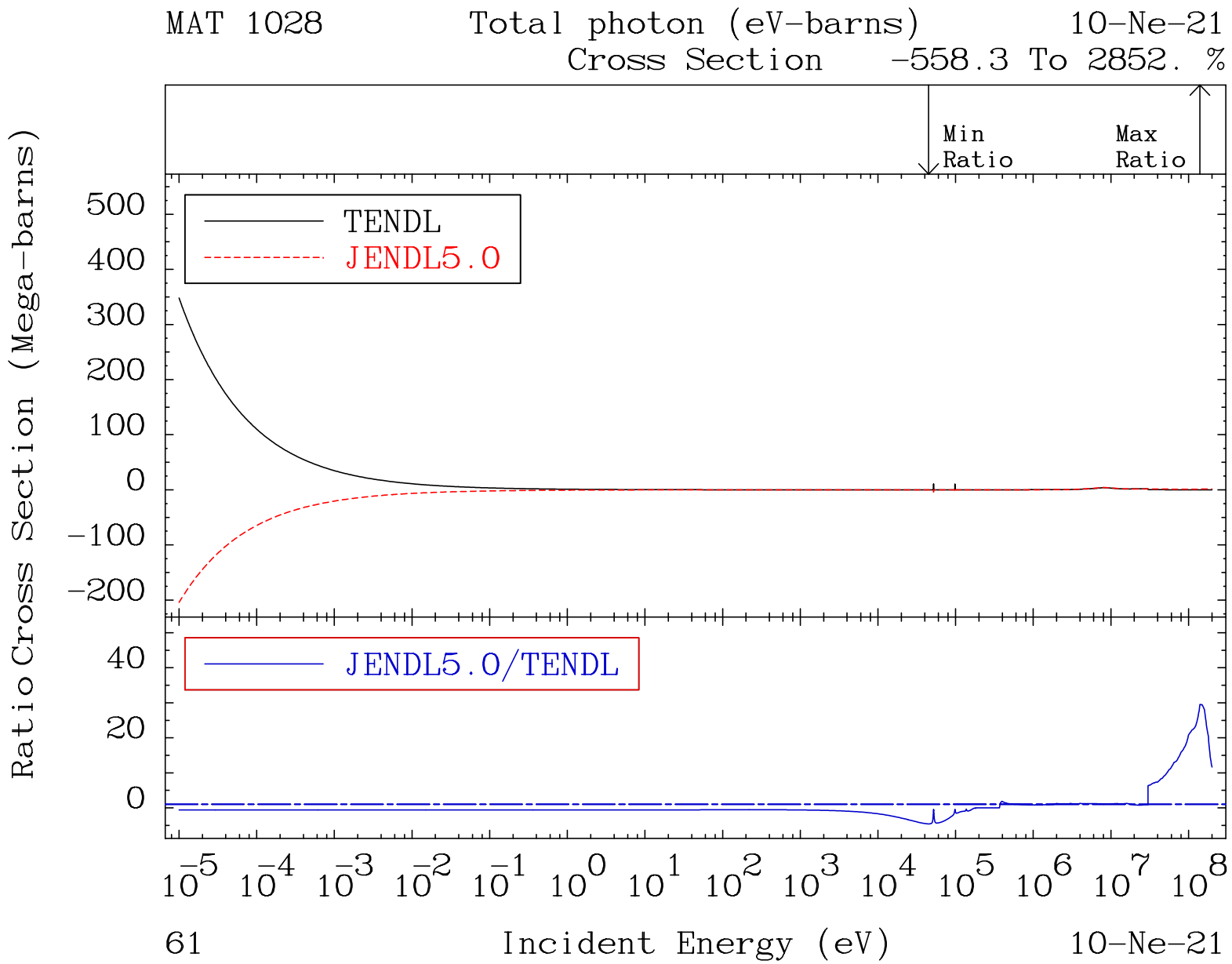

MAT 1028
Kerma elastic
Cross Section
10-Ne-21
-38.34 To 153.8 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
56
10-Ne-21

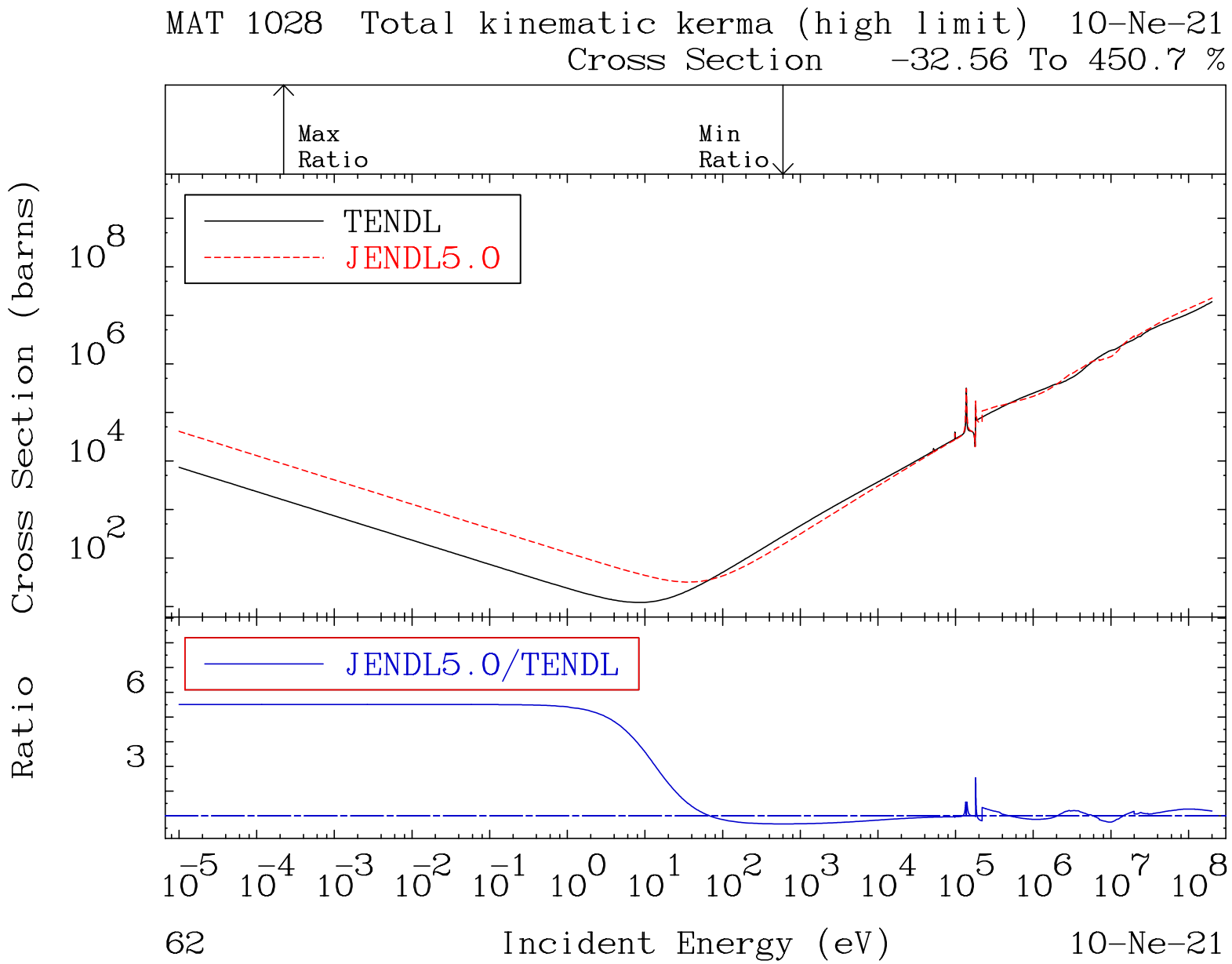

MAT 1028 Kerma non-elastic (all but mt2) 10-Ne-21
Cross Section -97.85 To 352.1 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
57
10-Ne-21

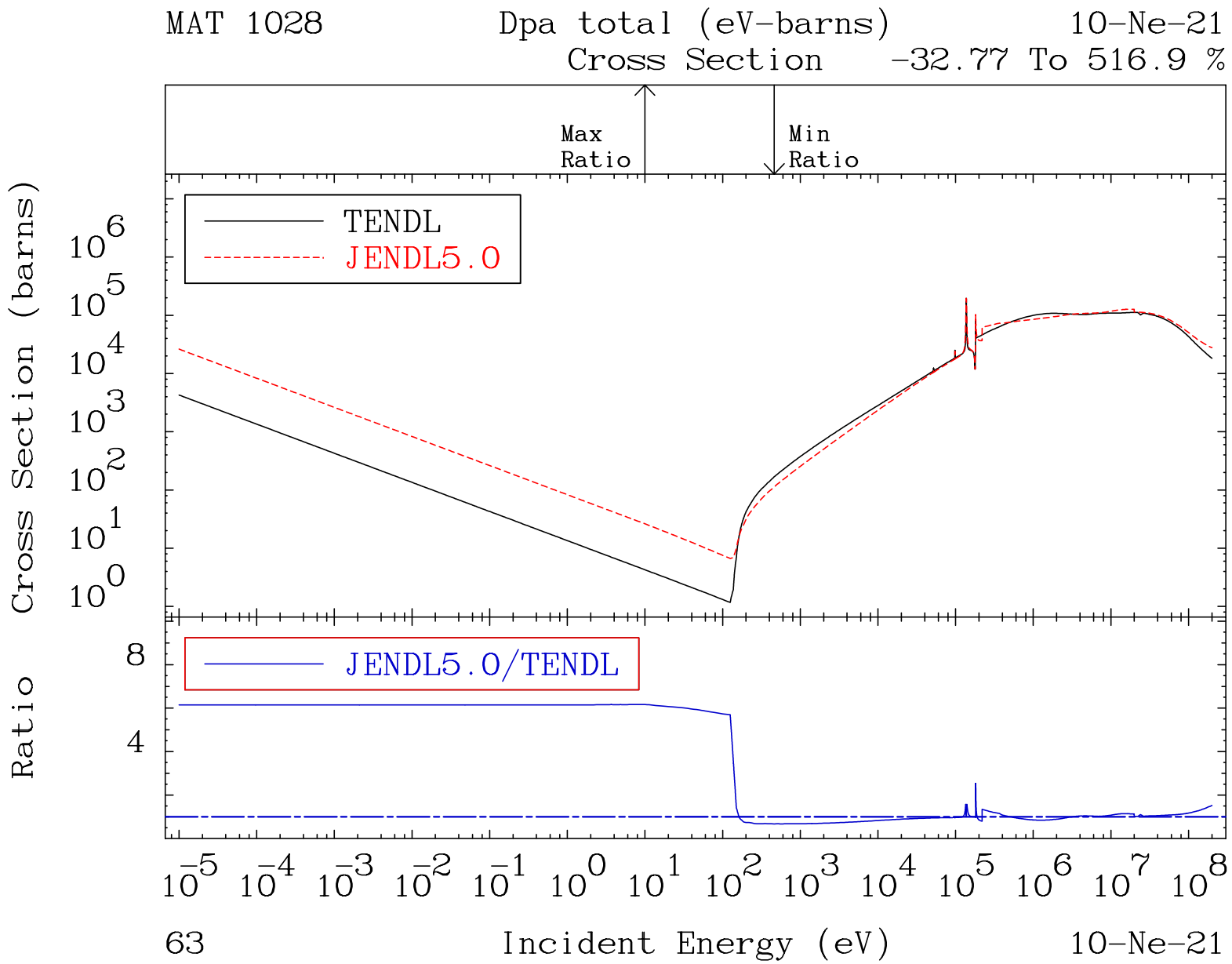

MAT 1028
Kerma inelastic (mt51-91)
10-Ne-21
Cross Section -100.3 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 367.58 keV
JENDL5.0 Threshold 129.24 keV
JENDL5.0/TENDL
Ratio Cross Section (kilo-barns)
600
500
400
300
200
100
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
Incident Energy (eV)
58
10-Ne-21

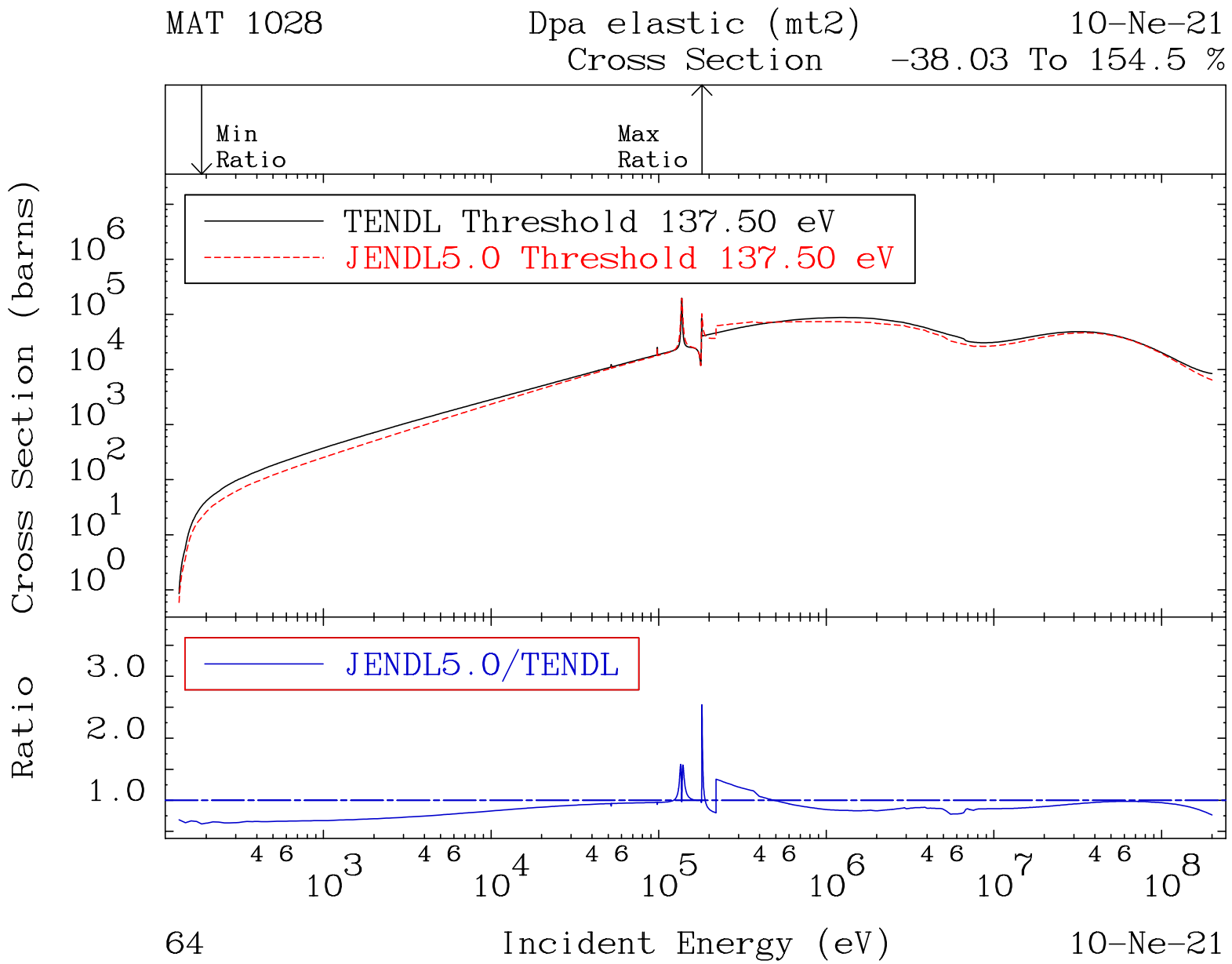

MAT 1028 Kerma fission (mt18 or mt19-20-21-38) 10-Ne-21
Cross Section -100.3 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
600
400
200
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
59
Incident Energy (eV)
10-Ne-21

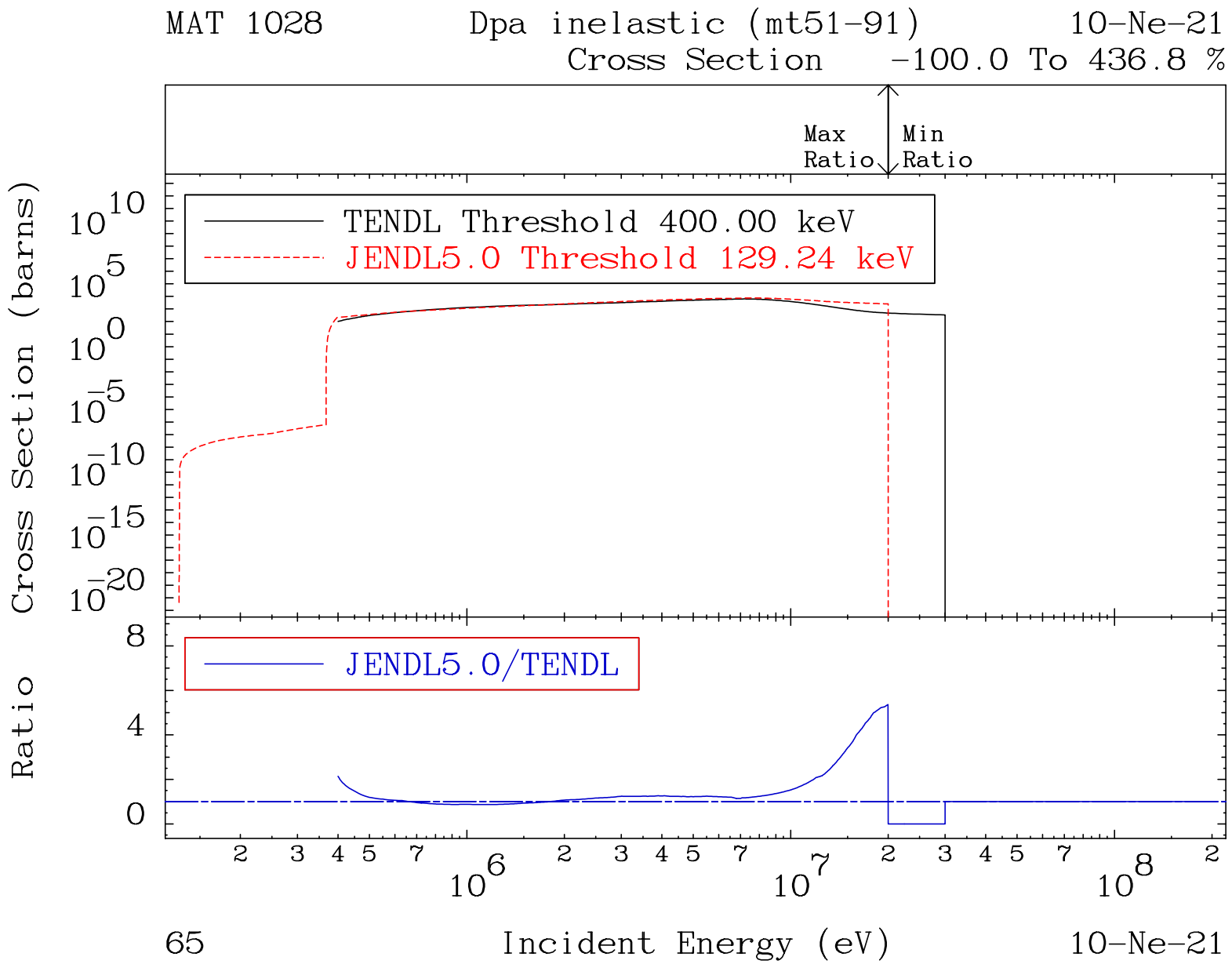

MAT 1028
Kerma capture (mt102)
10-Ne-21
Cross Section -100.0 To 5007. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
60
10-Ne-21

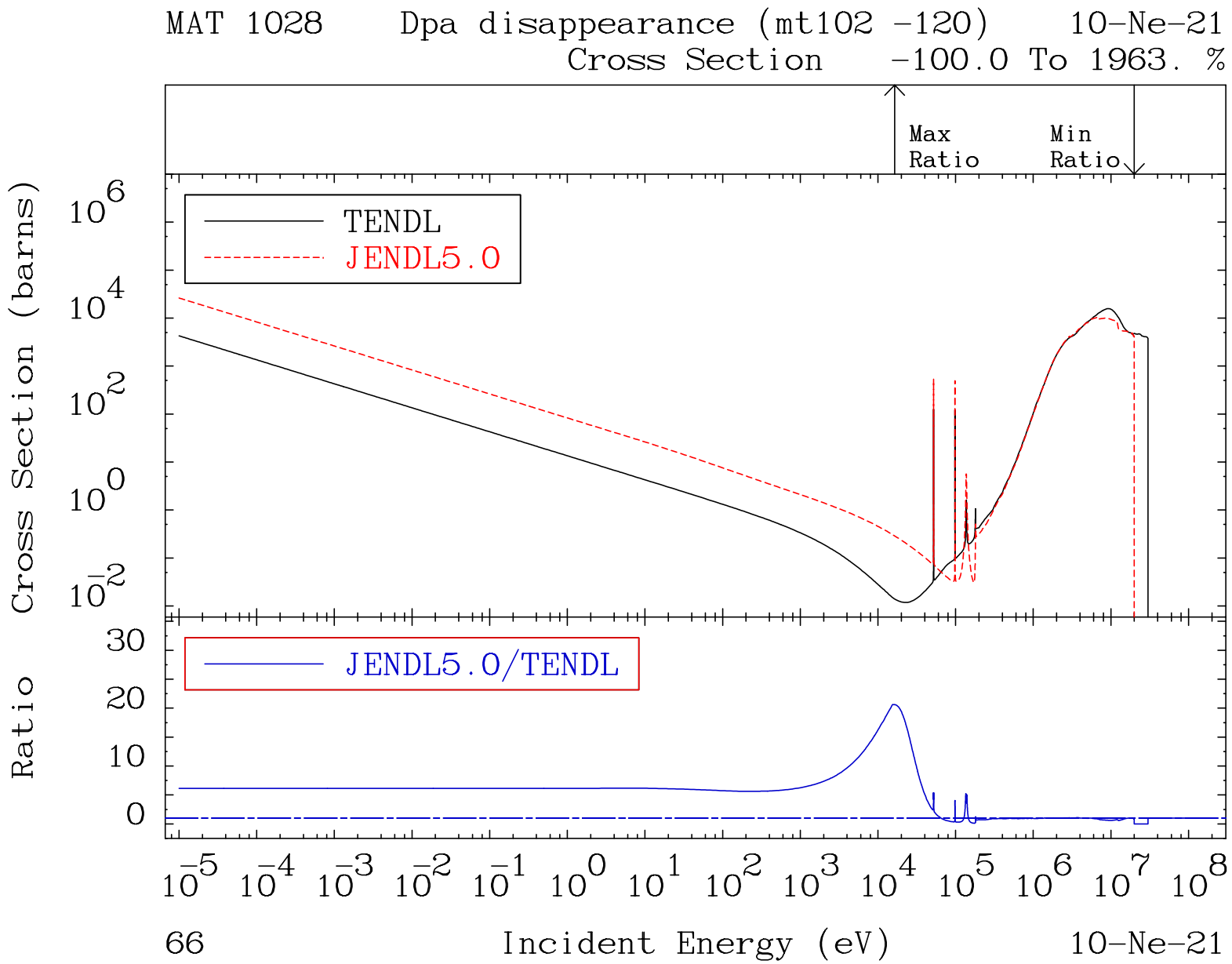

MAT 1028
Total photon (eV-barns)
10-Ne-21
Cross Section -558.3 To 2852. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Ratio Cross Section (Mega-barns)
500
400
300
200
100
0
-100
-200
40
20
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
61
Incident Energy (eV)
10-Ne-21

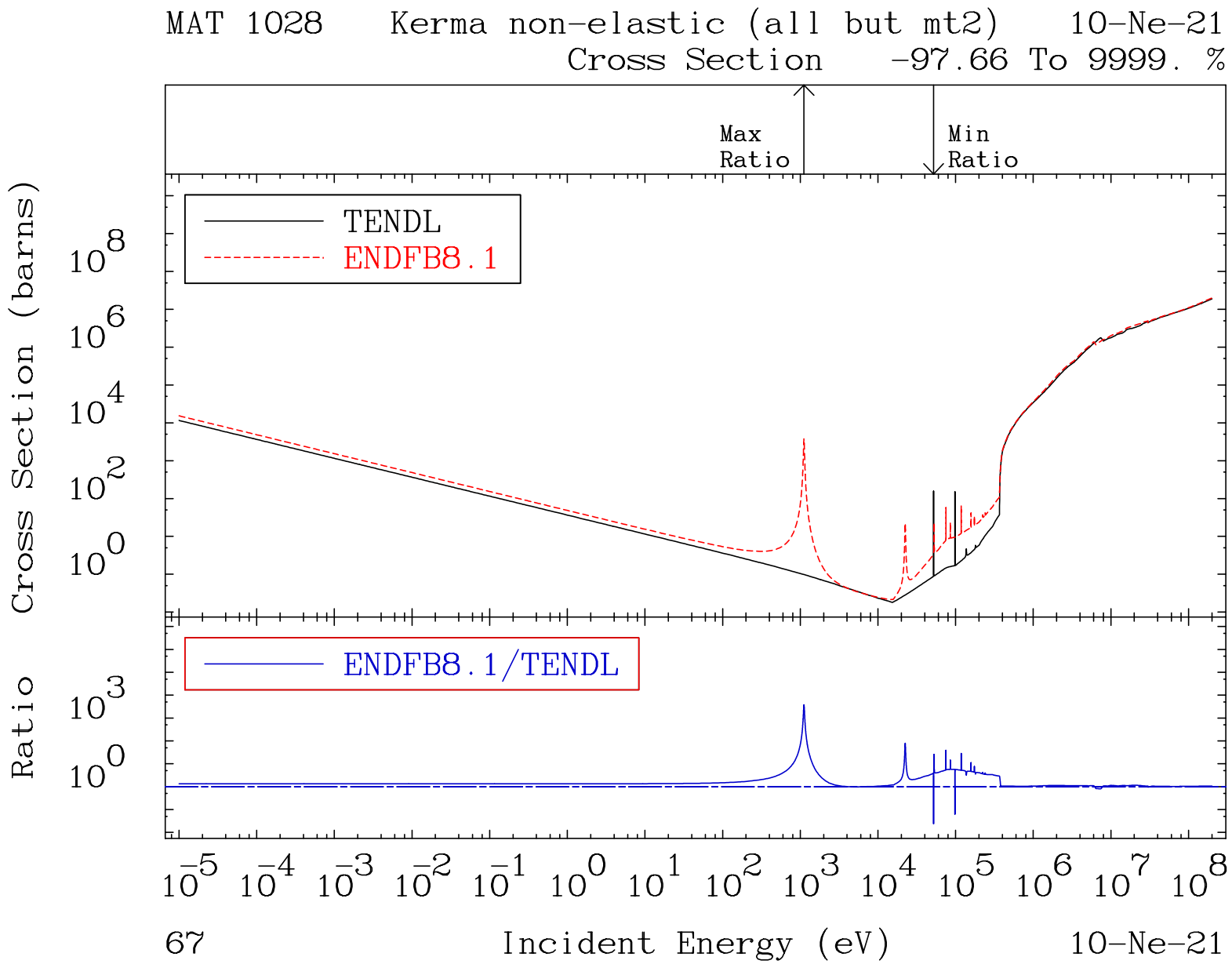

MAT 1028 Total kinematic kerma (high limit) 10-Ne-21
Cross Section -32.56 To 450.7 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^8
10^6
10^4
10^2
JENDL5.0/TENDL
Ratio
6
3
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
62
Incident Energy (eV)
10-Ne-21

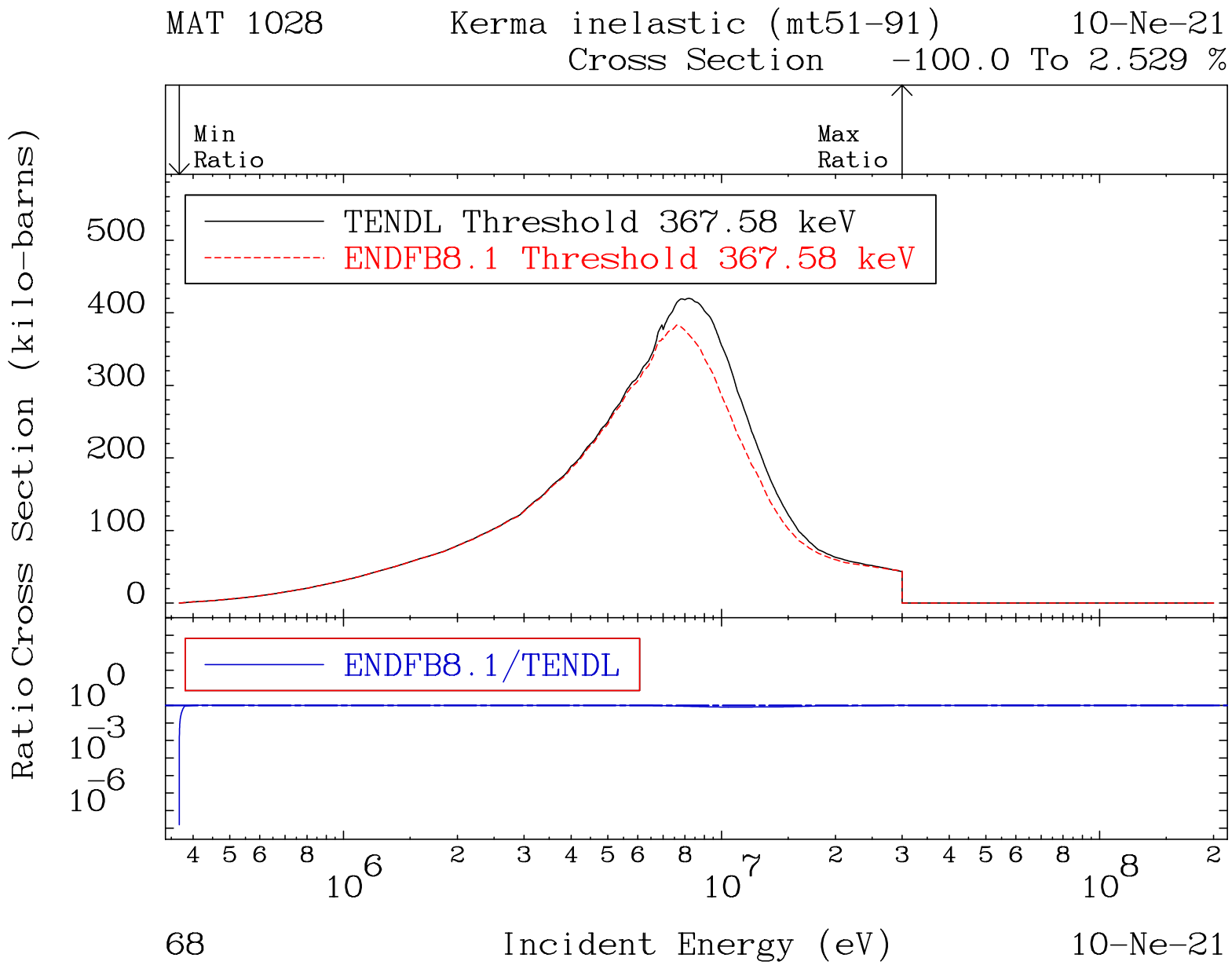

MAT 1028
Dpa total (eV-barns)
10-Ne-21
Cross Section -32.77 To 516.9 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
63
10-Ne-21

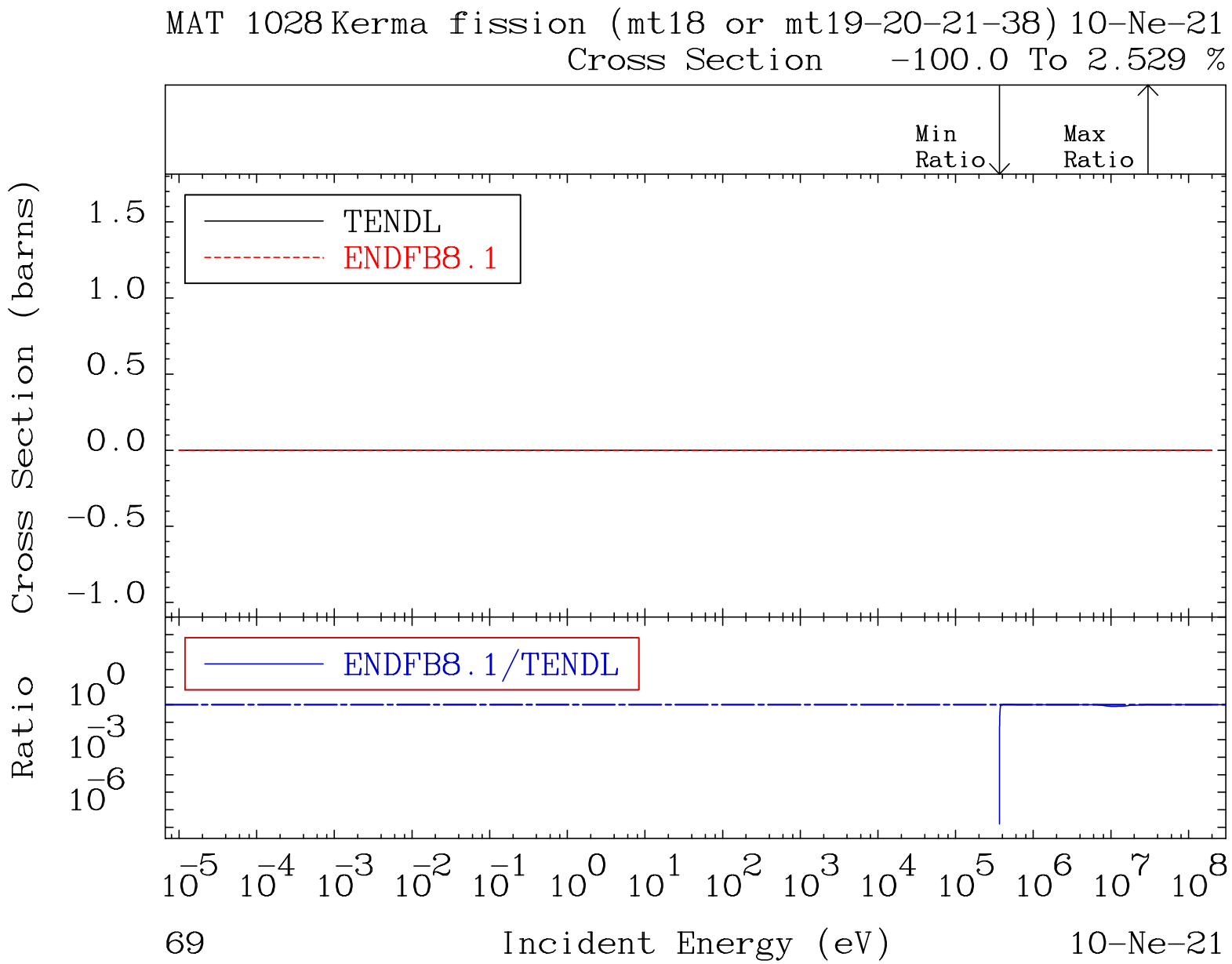

MAT 1028
Dpa elastic (mt2)
Cross Section
10-Ne-21
-38.03 To 154.5 %
Min
Ratio
Max
Ratio
TENDL Threshold 137.50 eV
JENDL5.0 Threshold 137.50 eV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
64
10-Ne-21

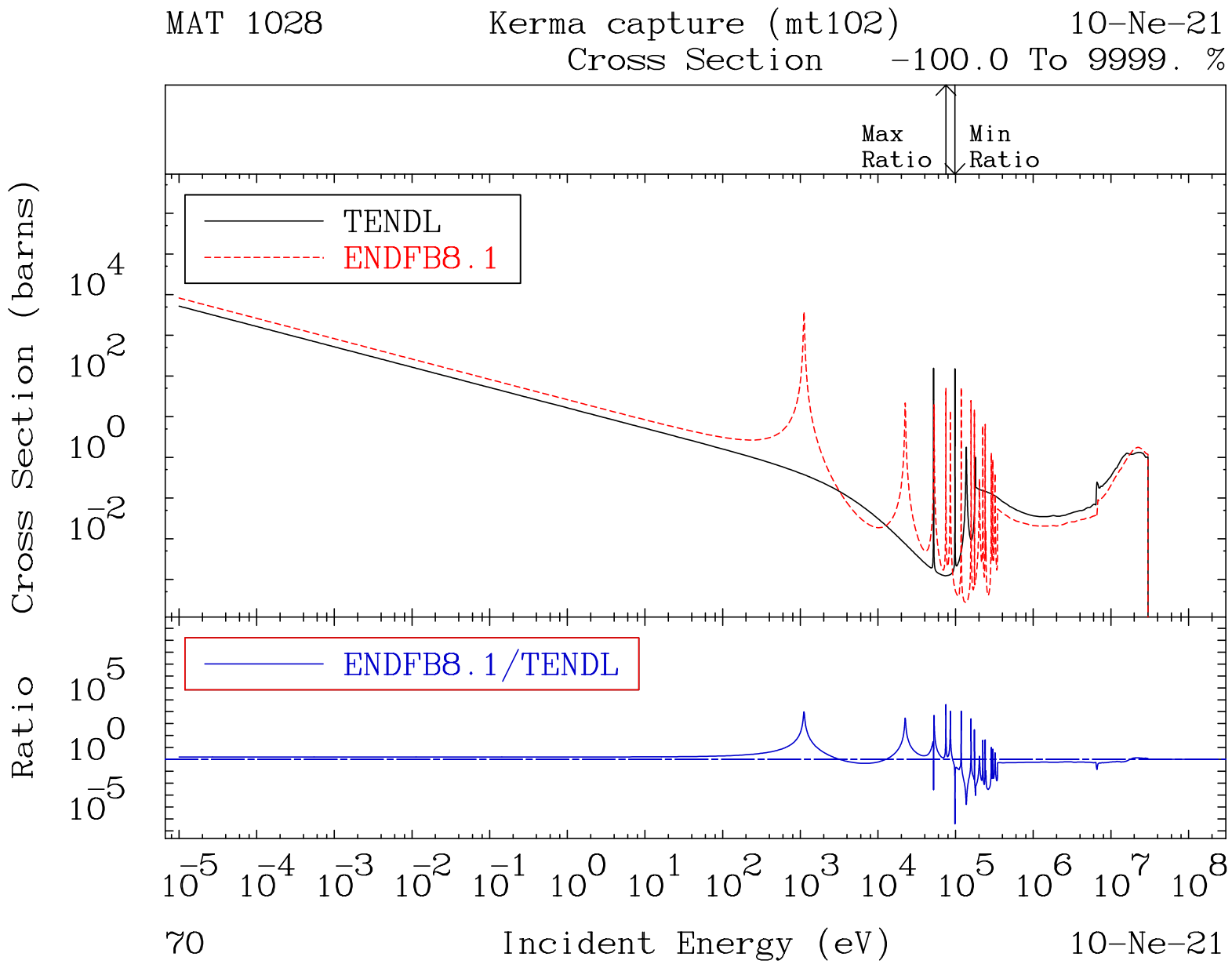

MAT 1028
Dpa inelastic (mt51-91)
10-Ne-21
Cross Section -100.0 To 436.8 %
Max Ratio
Min Ratio
TENDL Threshold 400.00 keV
JENDL5.0 Threshold 129.24 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
65
10-Ne-21

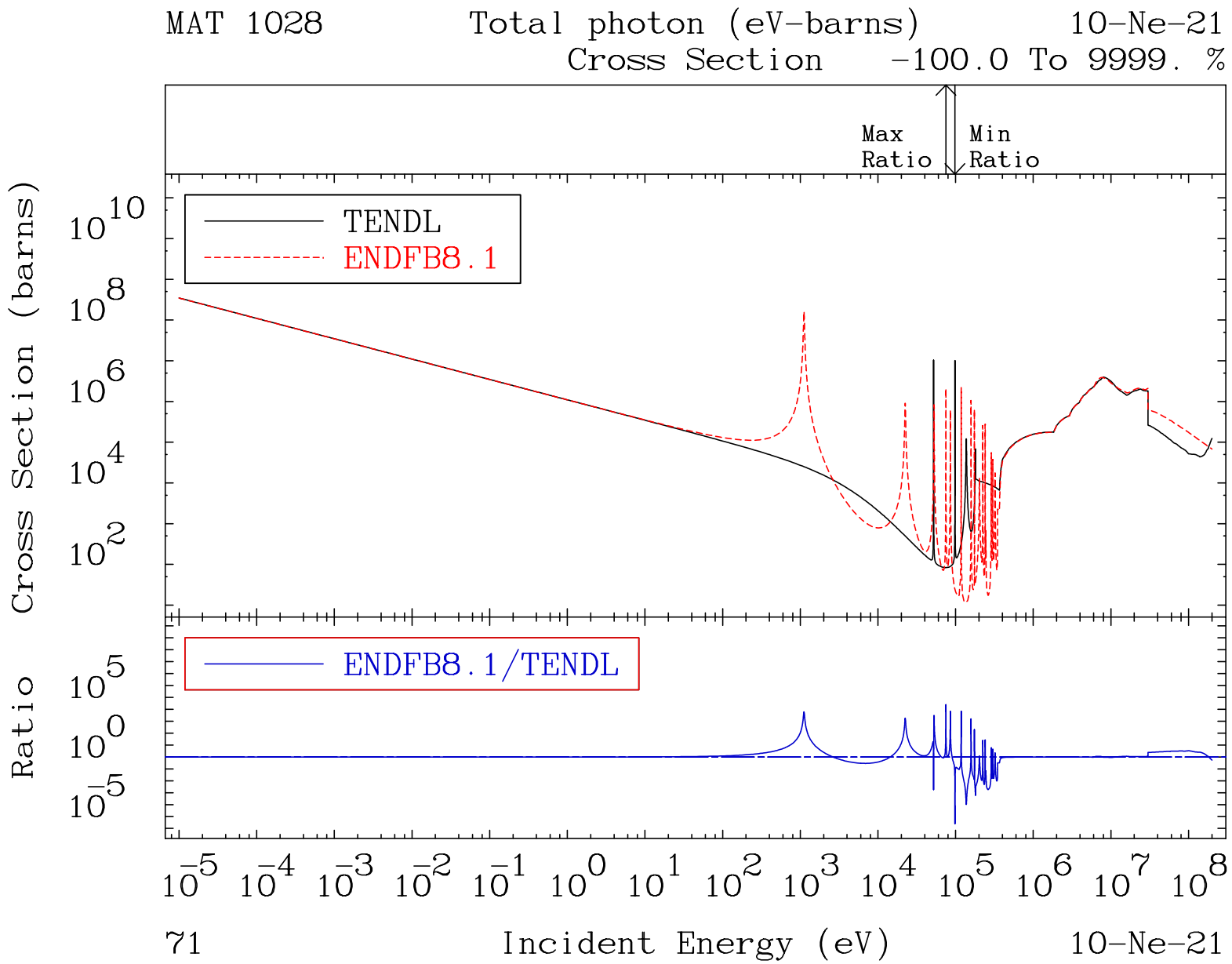

MAT 1028 Dpa disappearance (mt102 -120) 10-Ne-21
Cross Section -100.0 To 1963. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
66
10-Ne-21

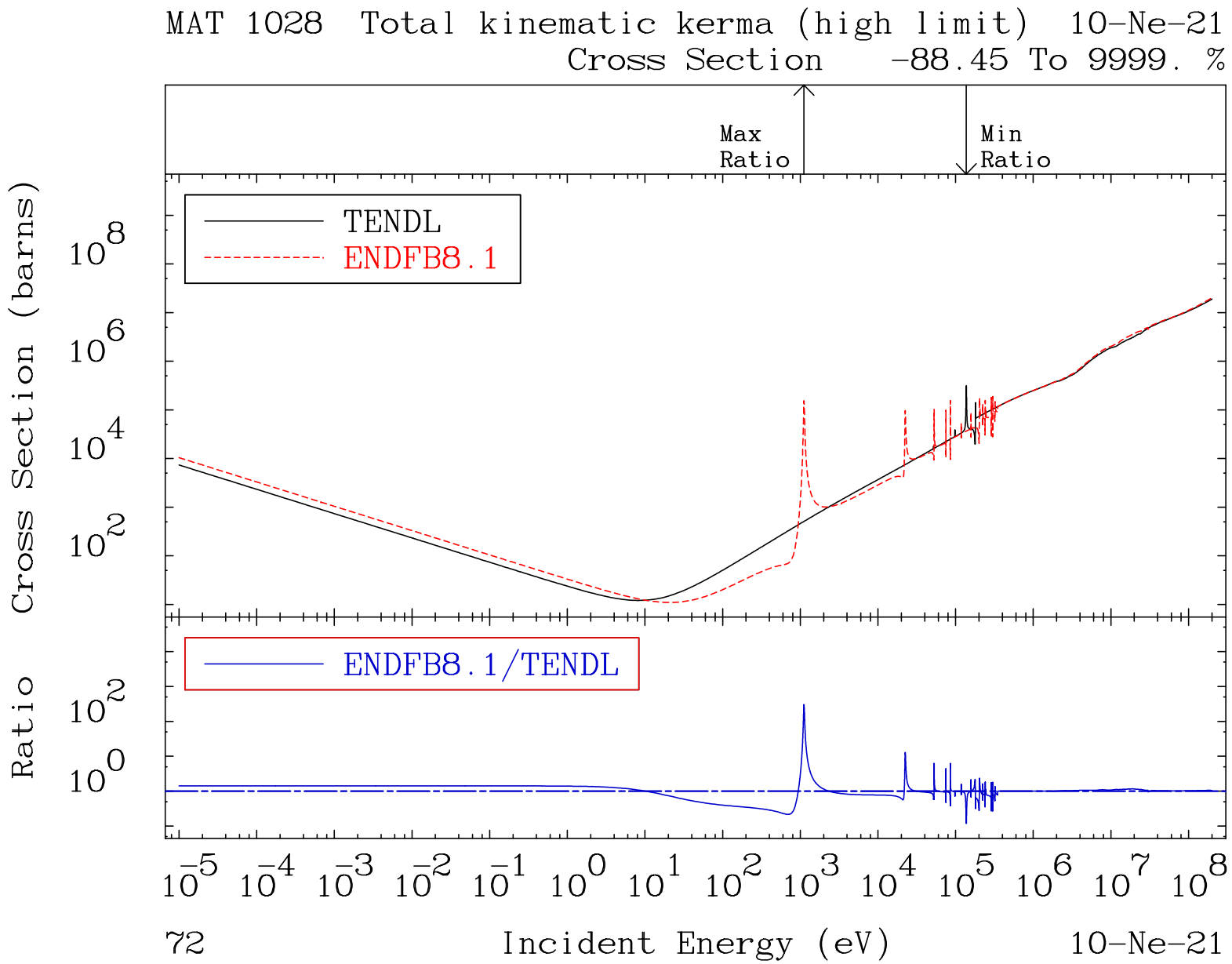

MAT 1028 Kerma non-elastic (all but mt2) 10-Ne-21
Cross Section -97.66 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.1
ENDFB8.1/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
67
10-Ne-21

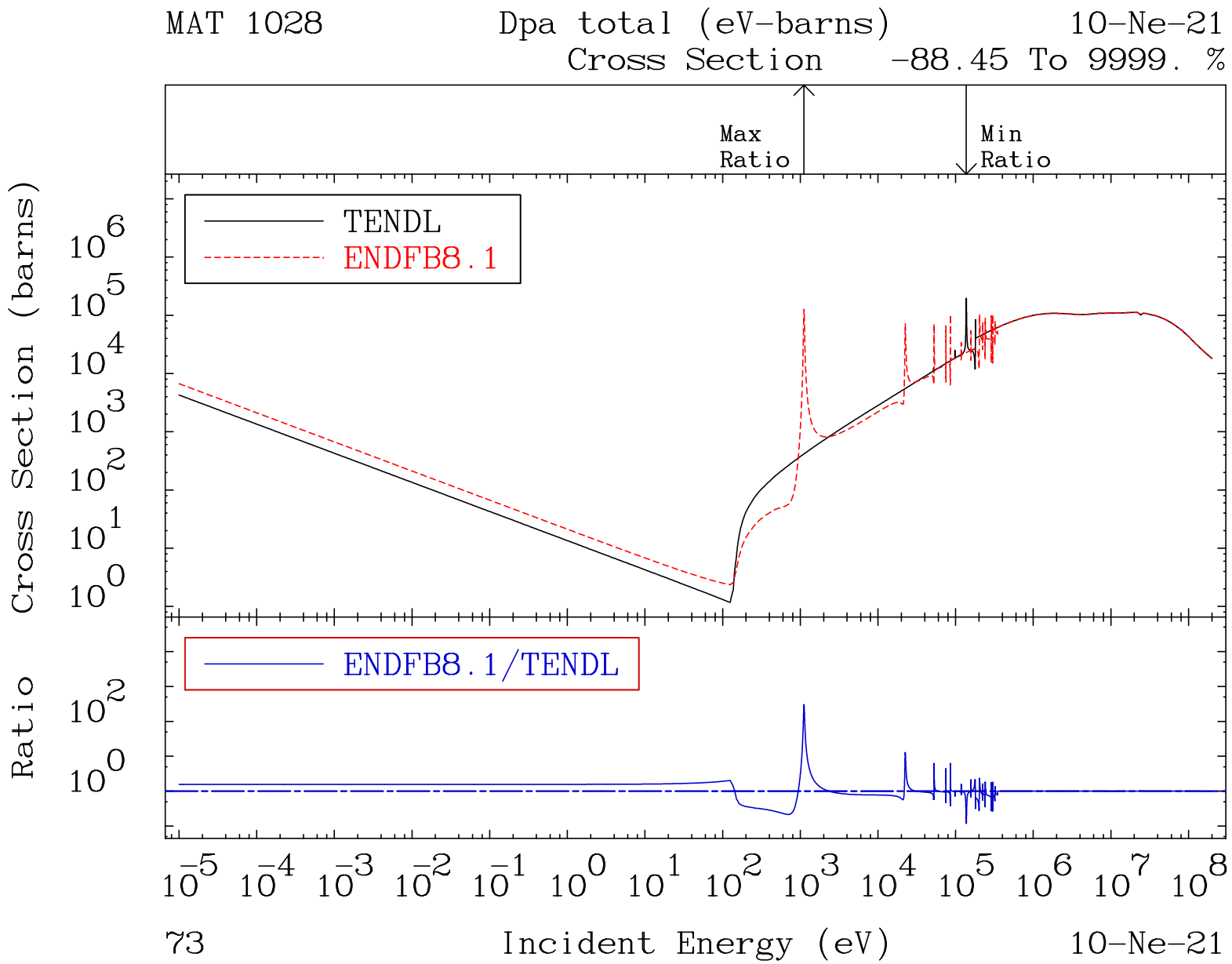

MAT 1028
Kerma inelastic (mt51-91)
10-Ne-21
Cross Section -100.0 To 2.529 %
Min Ratio
Max Ratio
TENDL Threshold 367.58 keV
ENDFB8.1 Threshold 367.58 keV
ENDFB8.1/TENDL
Ratio Cross Section (kilo-barns)
Incident Energy (eV)
68
10-Ne-21

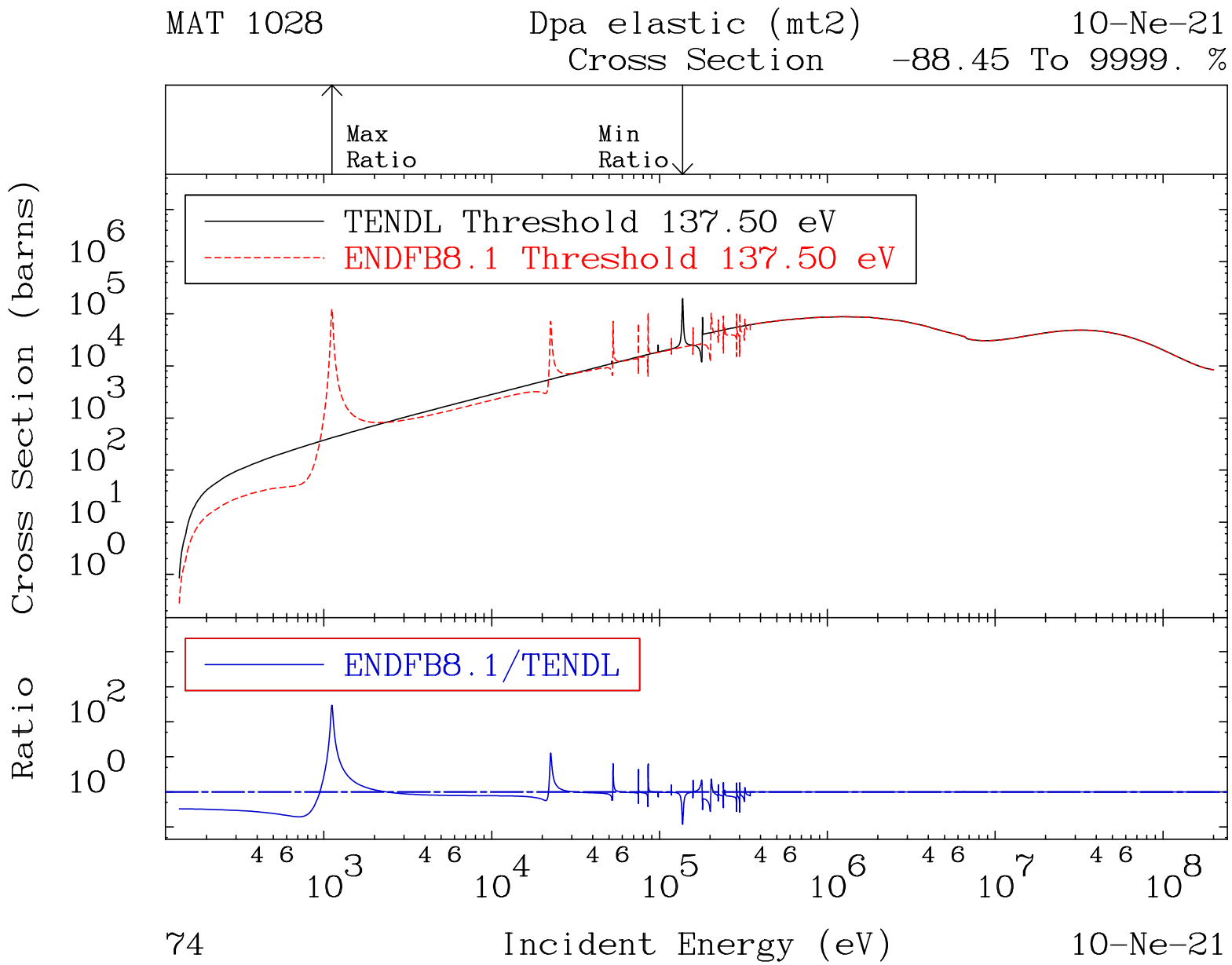

MAT 1028 Kerma fission (mt18 or mt19-20-21-38) 10-Ne-21
Cross Section -100.0 To 2.529 %
Min Ratio
Max Ratio
TENDL
ENDFB8.1
ENDFB8.1/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{0}
10^{-3}
10^{-6}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
69
Incident Energy (eV)
10-Ne-21

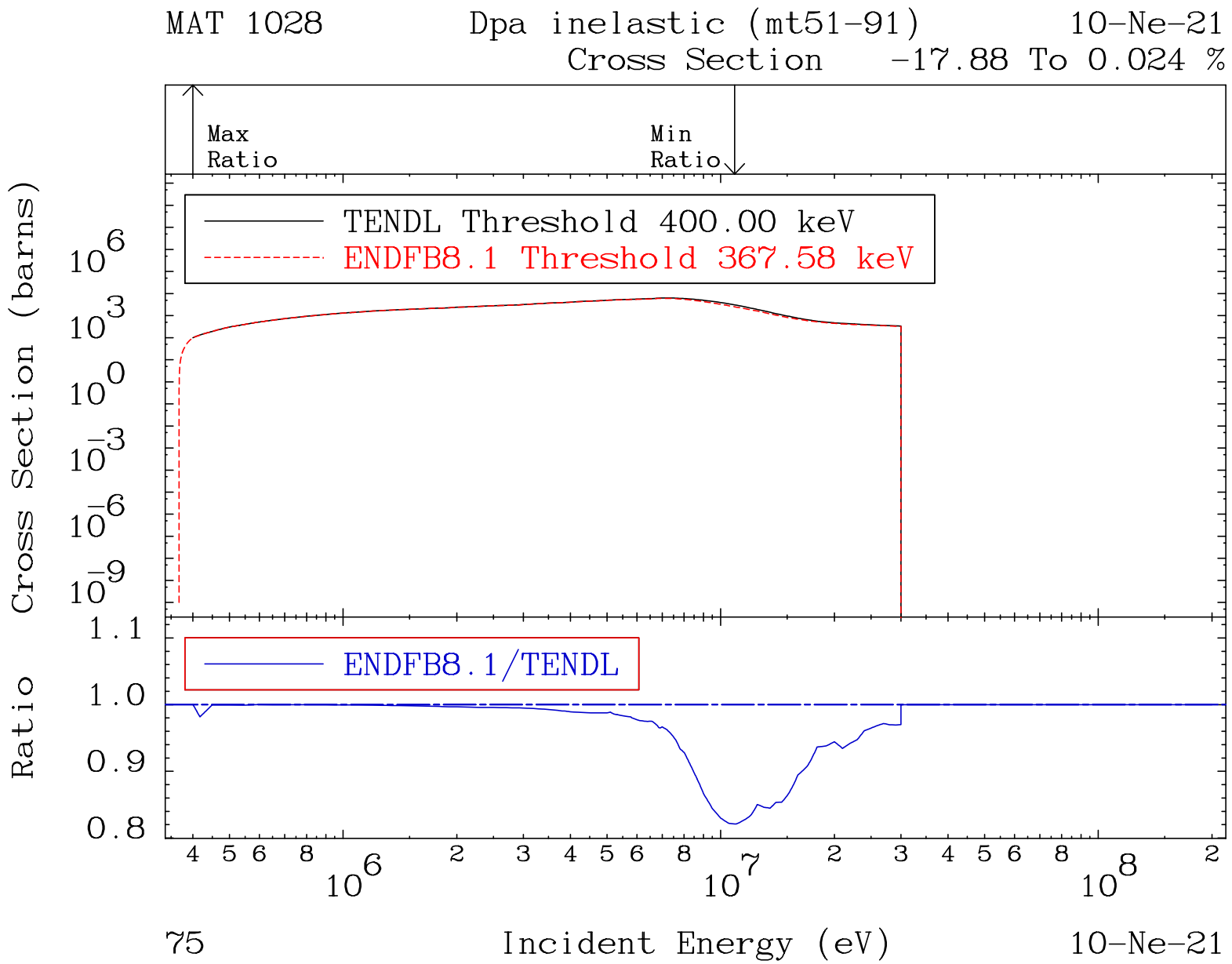

MAT 1028
Kerma capture (mt102)
10-Ne-21
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.1
Cross Section (barns)
ENDFB8.1/TENDL
Ratio
Incident Energy (eV)
70
10-Ne-21

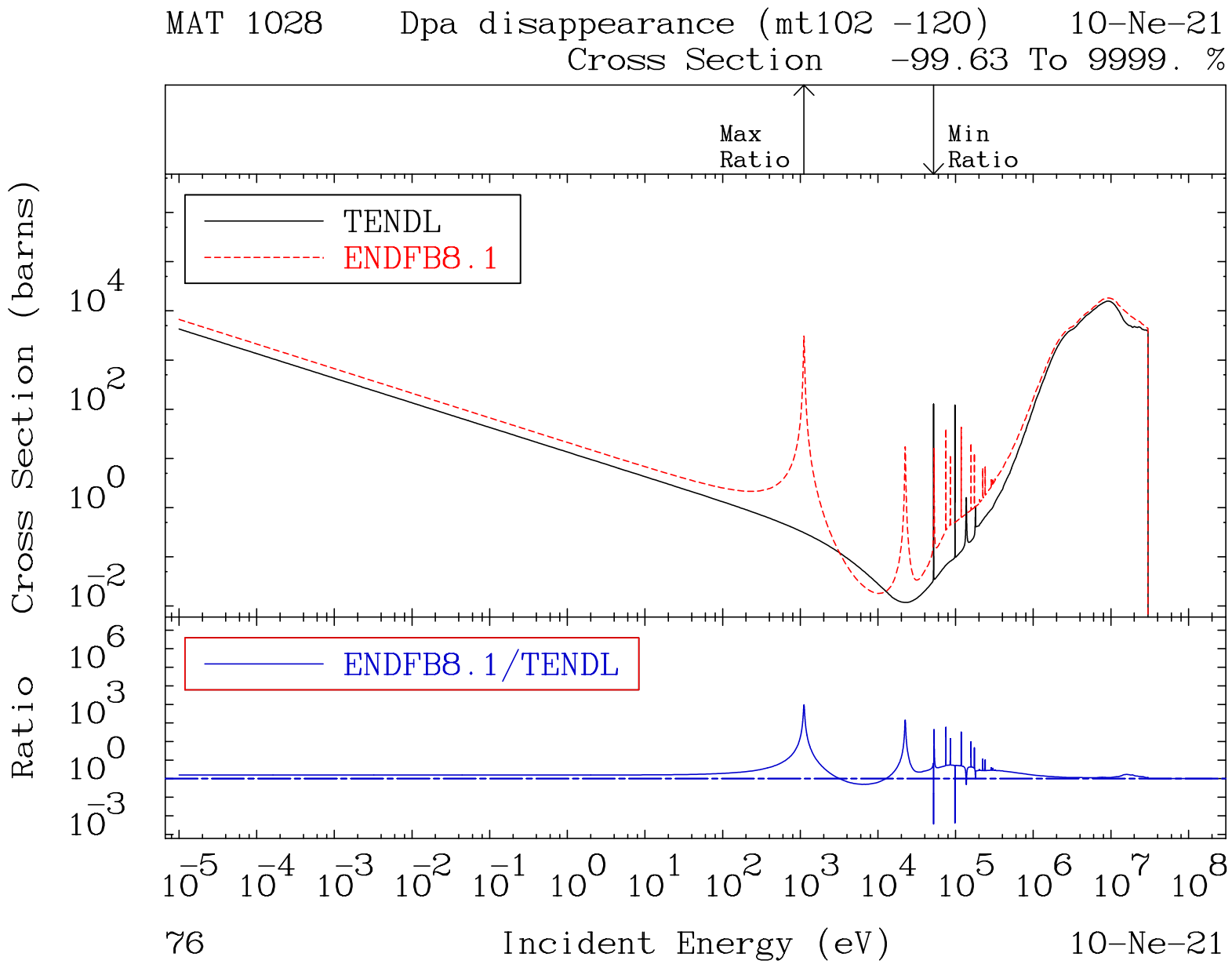

MAT 1028
Total photon (eV-barns)
10-Ne-21
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.1
Cross Section (barns)
ENDFB8.1/TENDL
Ratio
Incident Energy (eV)
71
10-Ne-21


MAT 1028 Total kinematic kerma (high limit) 10-Ne-21
Cross Section -88.45 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.1
ENDFB8.1/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
72
10-Ne-21


MAT 1028
Dpa total (eV-barns)
10-Ne-21
Cross Section -88.45 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.1
ENDFB8.1/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
73
10-Ne-21


MAT 1028
Dpa elastic (mt2)
Cross Section
10-Ne-21
-88.45 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 137.50 eV
ENDFB8.1 Threshold 137.50 eV
Cross Section (barns)
ENDFB8.1/TENDL
Ratio
Incident Energy (eV)
74
10-Ne-21


MAT 1028
Dpa inelastic (mt51-91)
10-Ne-21
Cross Section
-17.88 To 0.024 %
Max Ratio
Min Ratio
TENDL Threshold 400.00 keV
ENDFB8.1 Threshold 367.58 keV
Cross Section (barns)
ENDFB8.1/TENDL
Ratio
Incident Energy (eV)
75
10-Ne-21


MAT 1028 Dpa disappearance (mt102 -120) 10-Ne-21
Cross Section -99.63 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.1
ENDFB8.1/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
76
10-Ne-21