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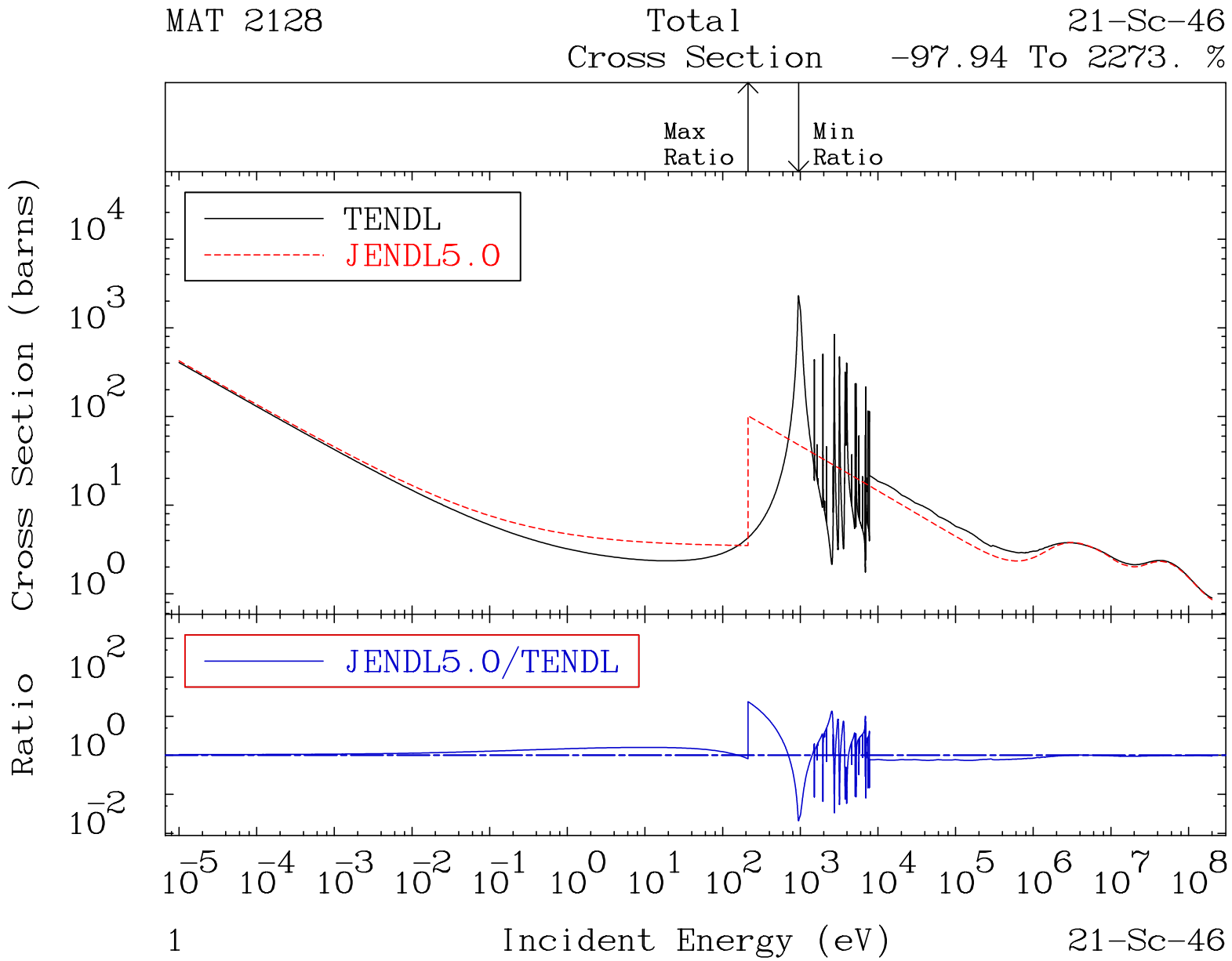
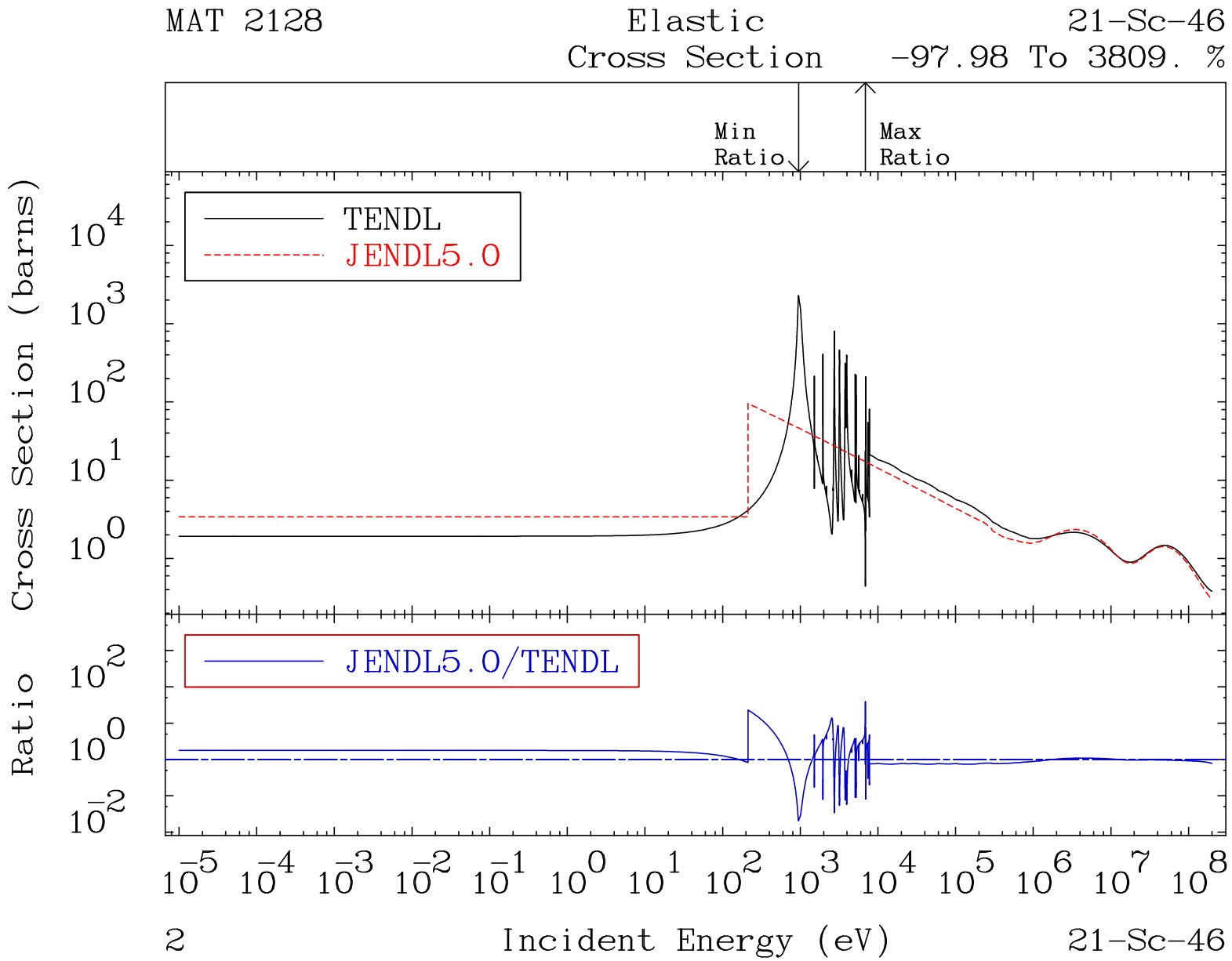
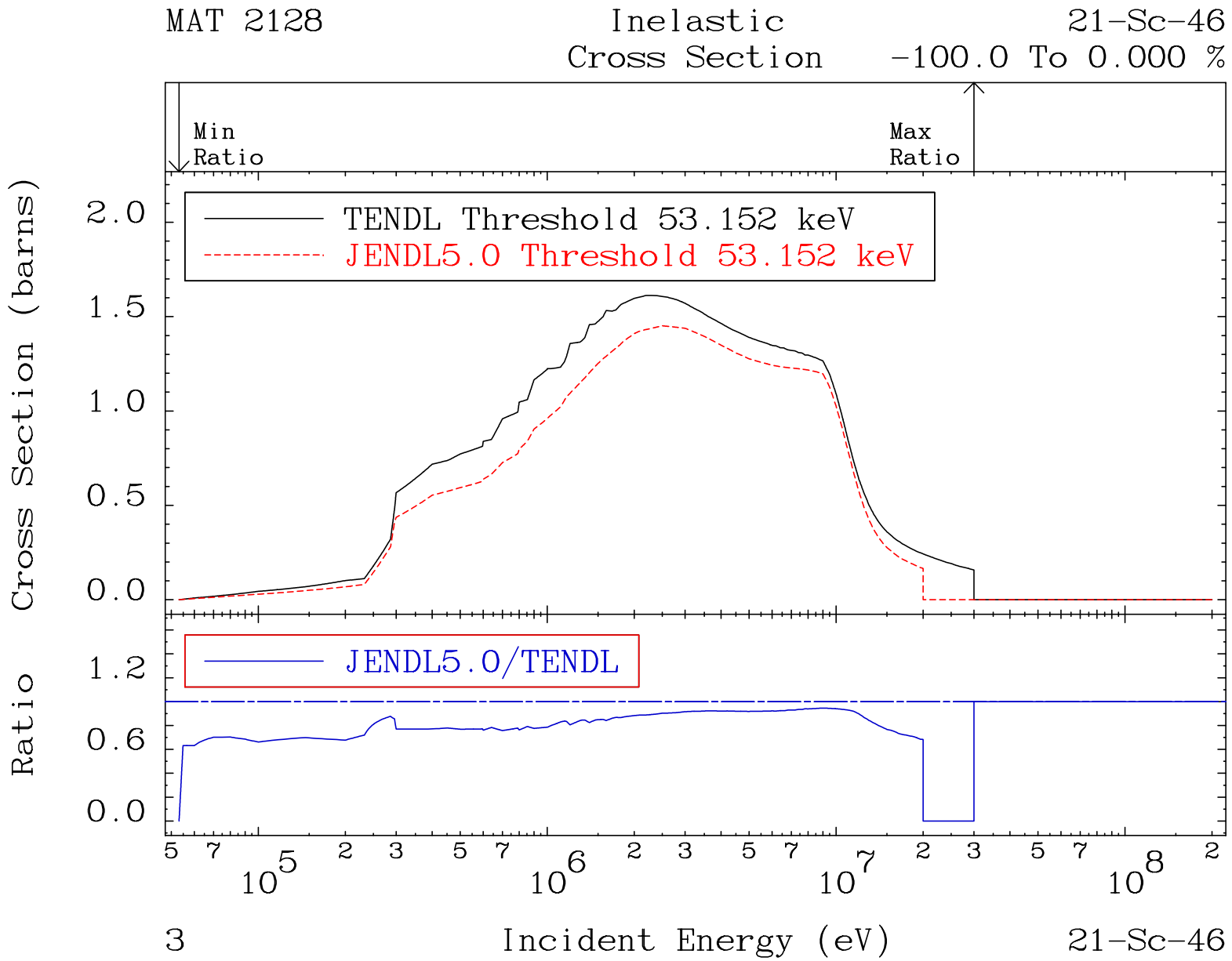
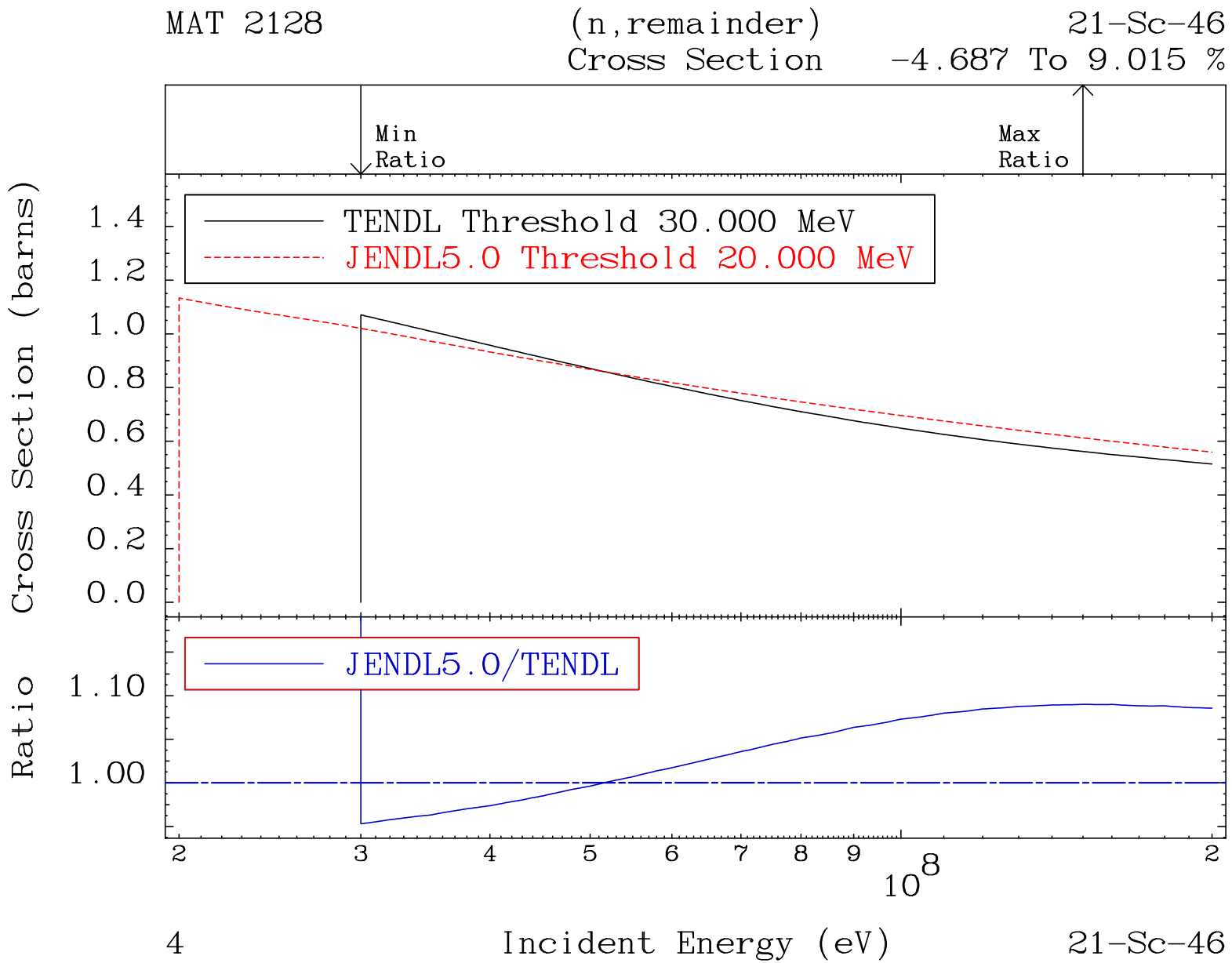
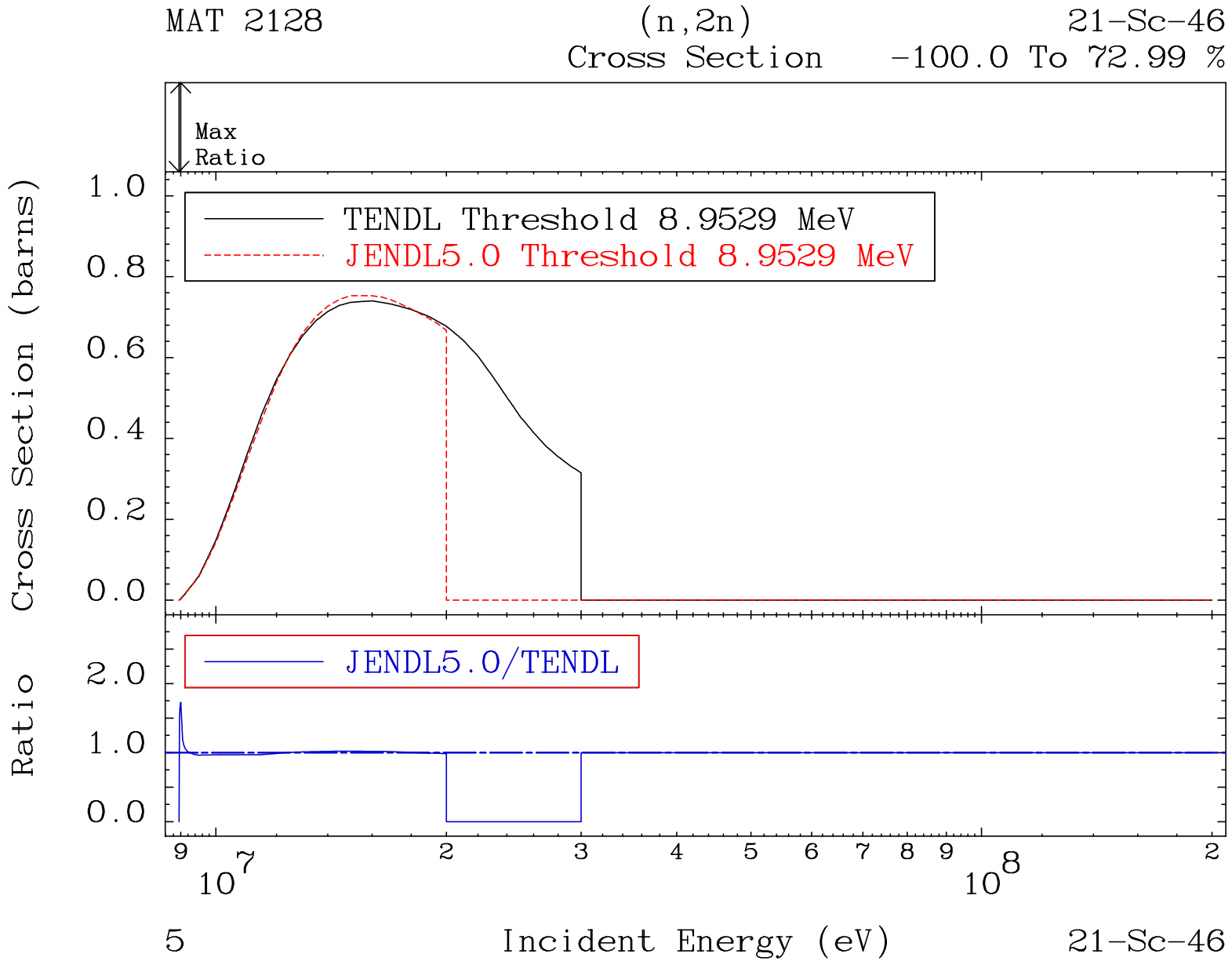
Press Mouse Button to Start

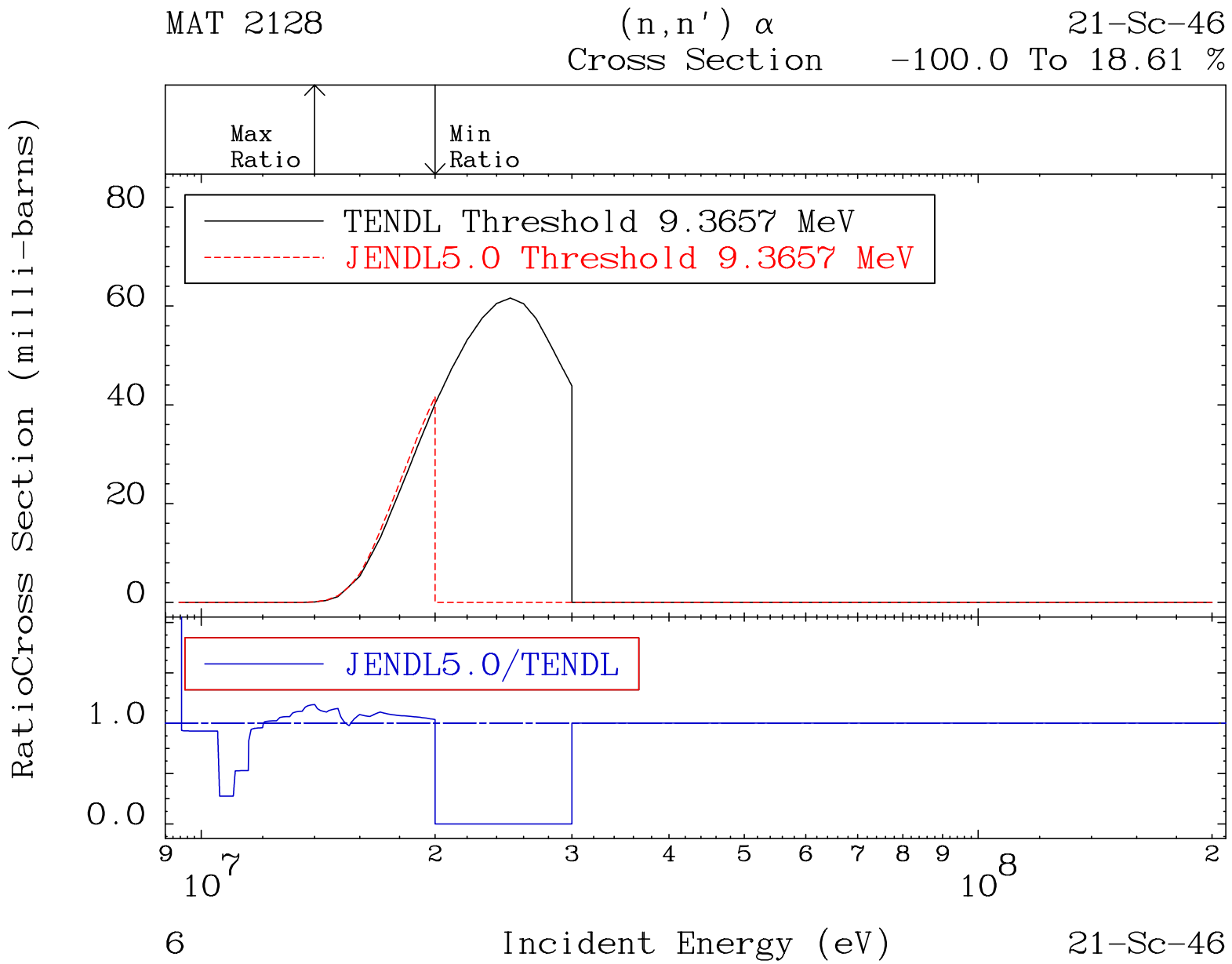

MAT 2128
Total
Cross Section
21-Sc-46
-97.94 To 2273. %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
21-Sc-46

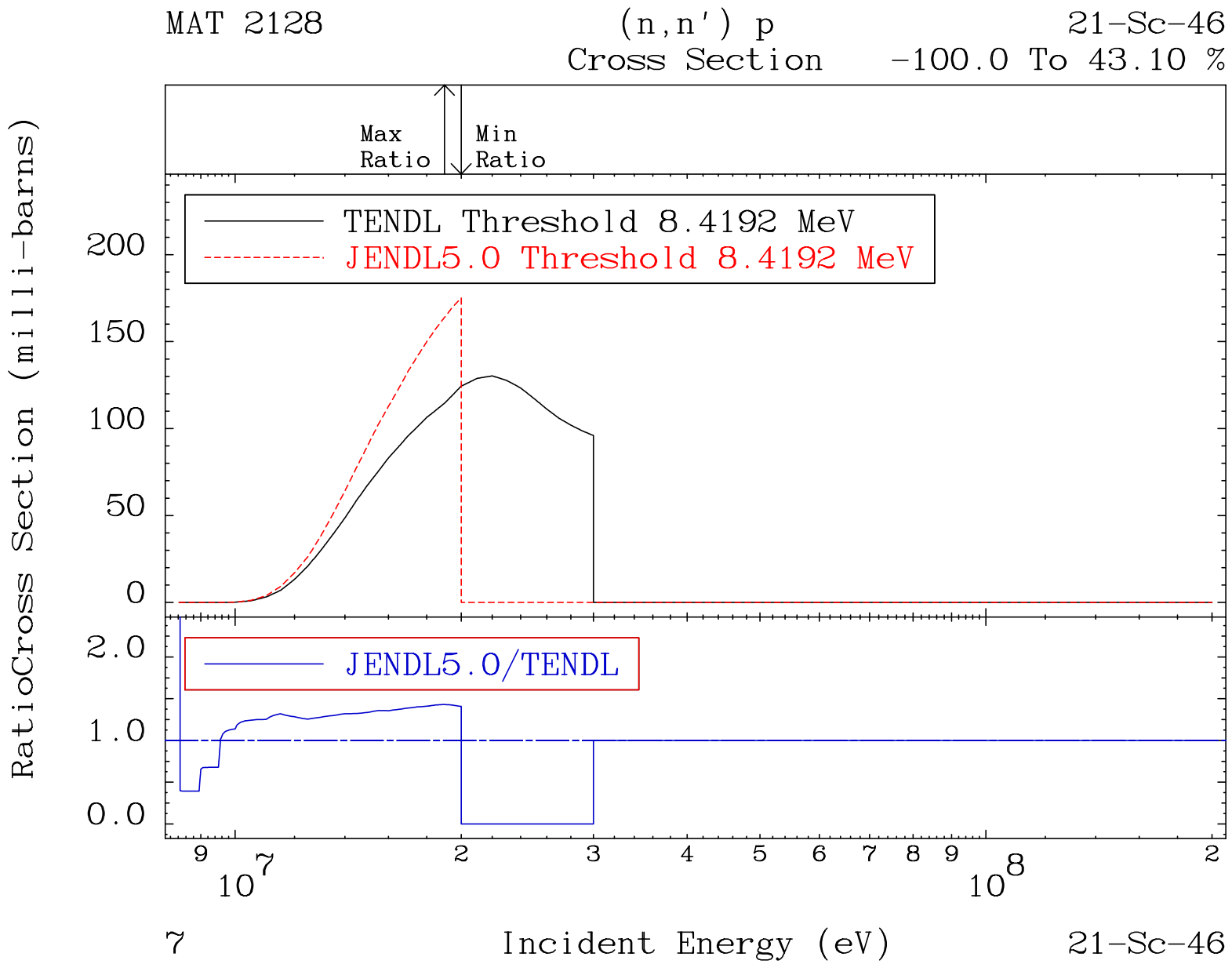

MAT 2128
Elastic
Cross Section
21-Sc-46
-97.98 To 3809. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
21-Sc-46

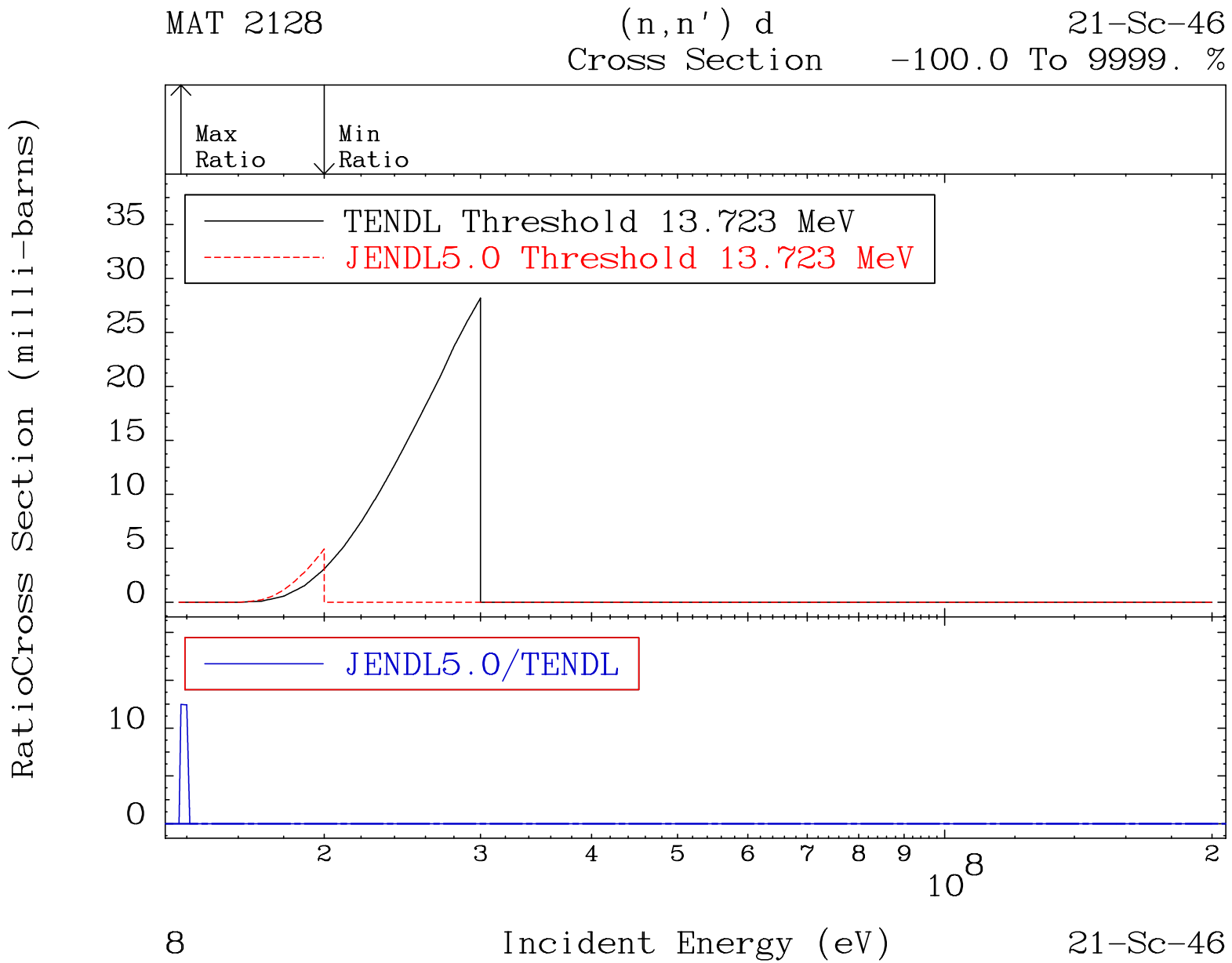

MAT 2128
Inelastic
Cross Section
21-Sc-46
-100.0 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 53.152 keV
JENDL5.0 Threshold 53.152 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
21-Sc-46

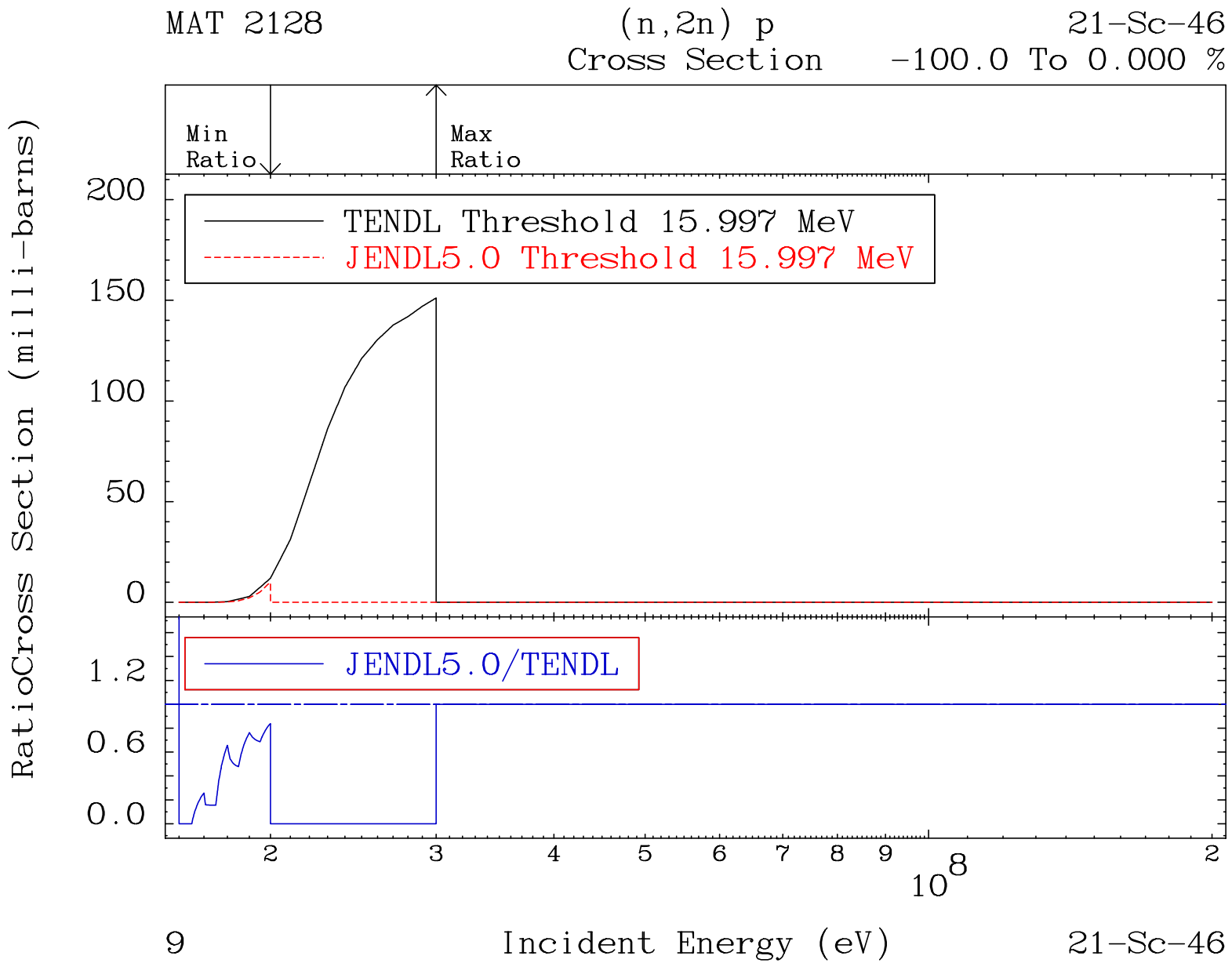

MAT 2128
(n,remainder)
Cross Section
21-Sc-46
-4.687 To 9.015 %
Min
Ratio
Max
Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1.10
1.00
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
21-Sc-46

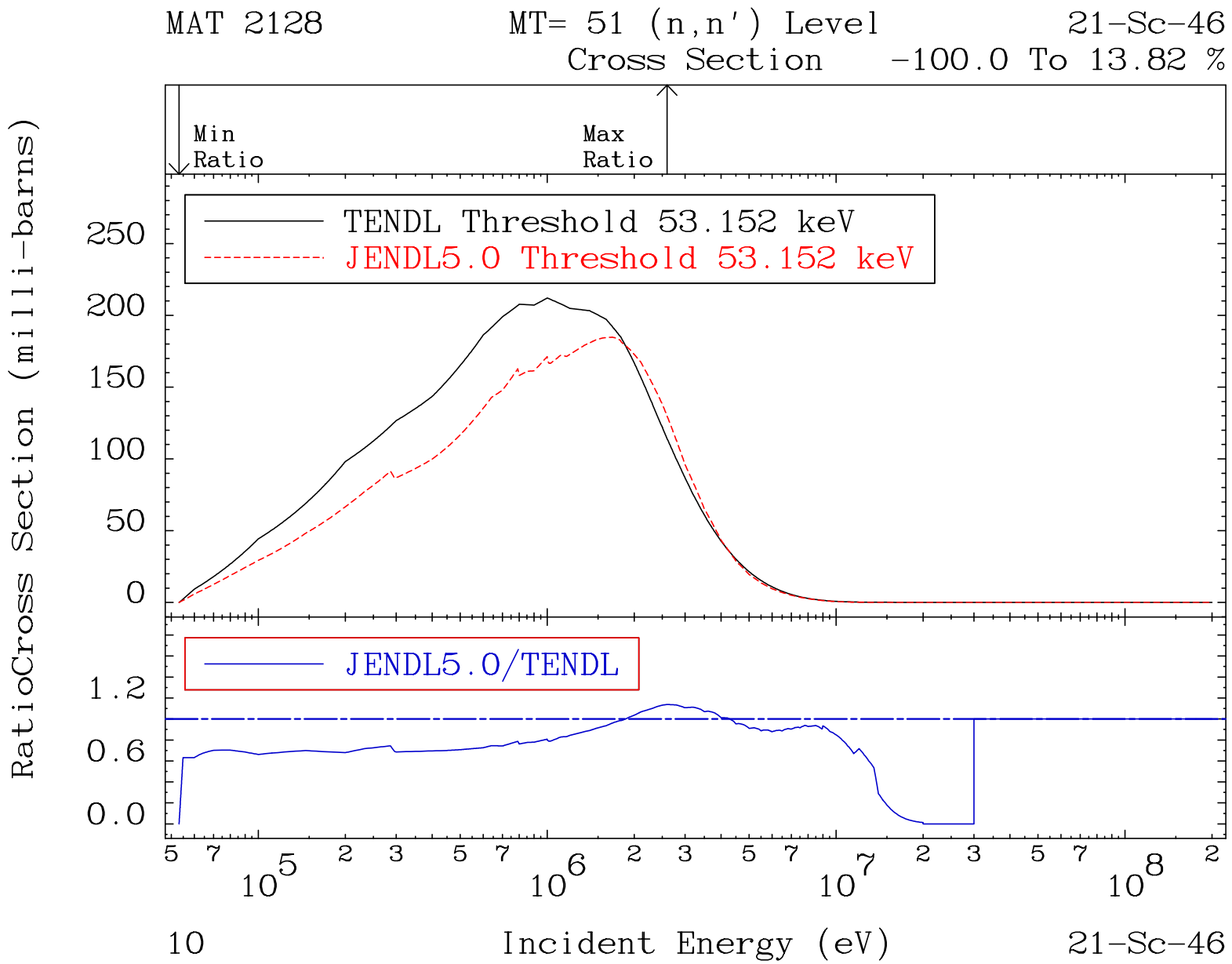

MAT 2128
(n,2n)
Cross Section
21-Sc-46
-100.0 To 72.99 %
Max
Ratio
TENDL Threshold 8.9529 MeV
JENDL5.0 Threshold 8.9529 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
Incident Energy (eV)
5
21-Sc-46

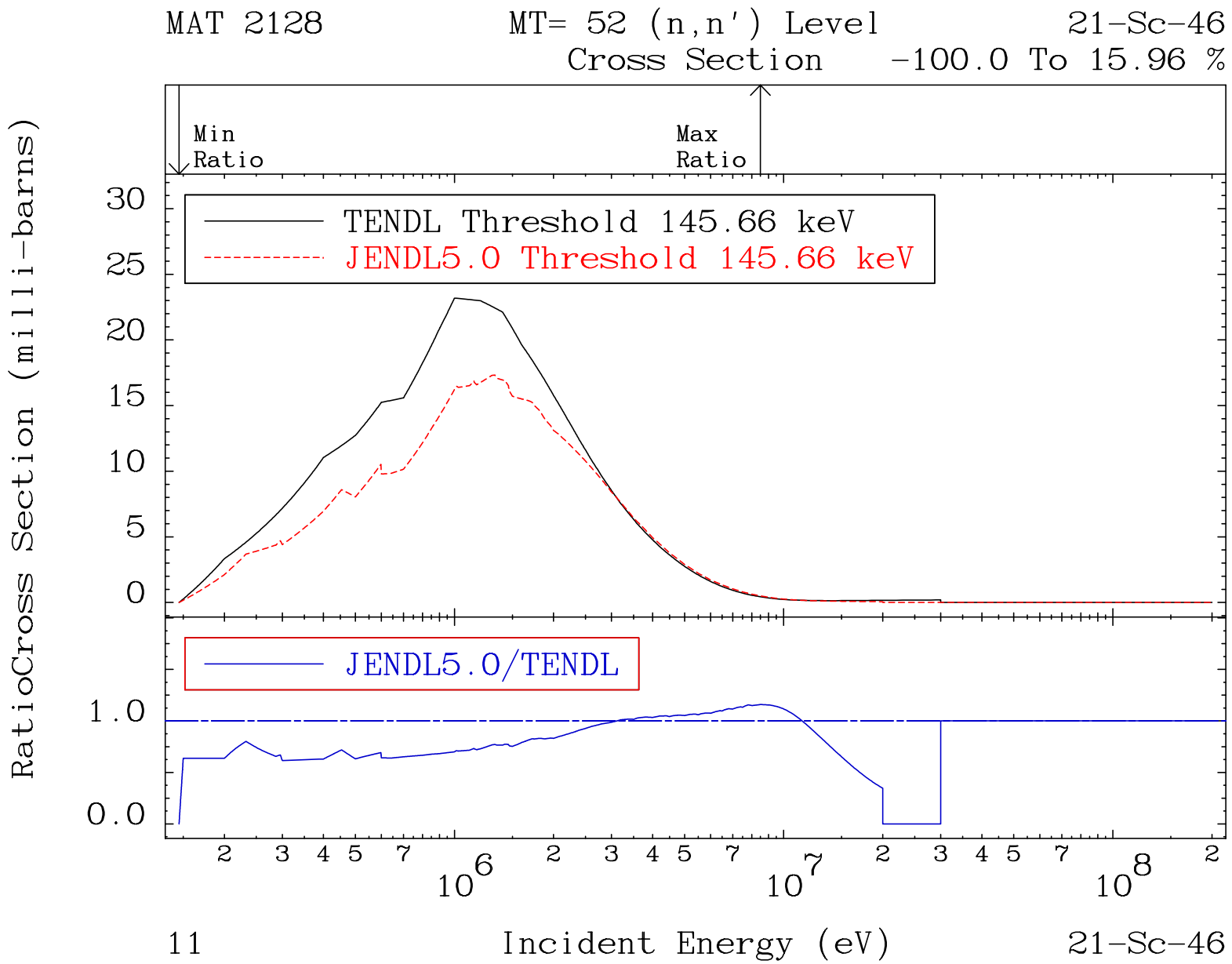

MAT 2128
(n,n') α
Cross Section
21-Sc-46
-100.0 To 18.61 %
Max Ratio
Min Ratio
TENDL Threshold 9.3657 MeV
JENDL5.0 Threshold 9.3657 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
21-Sc-46

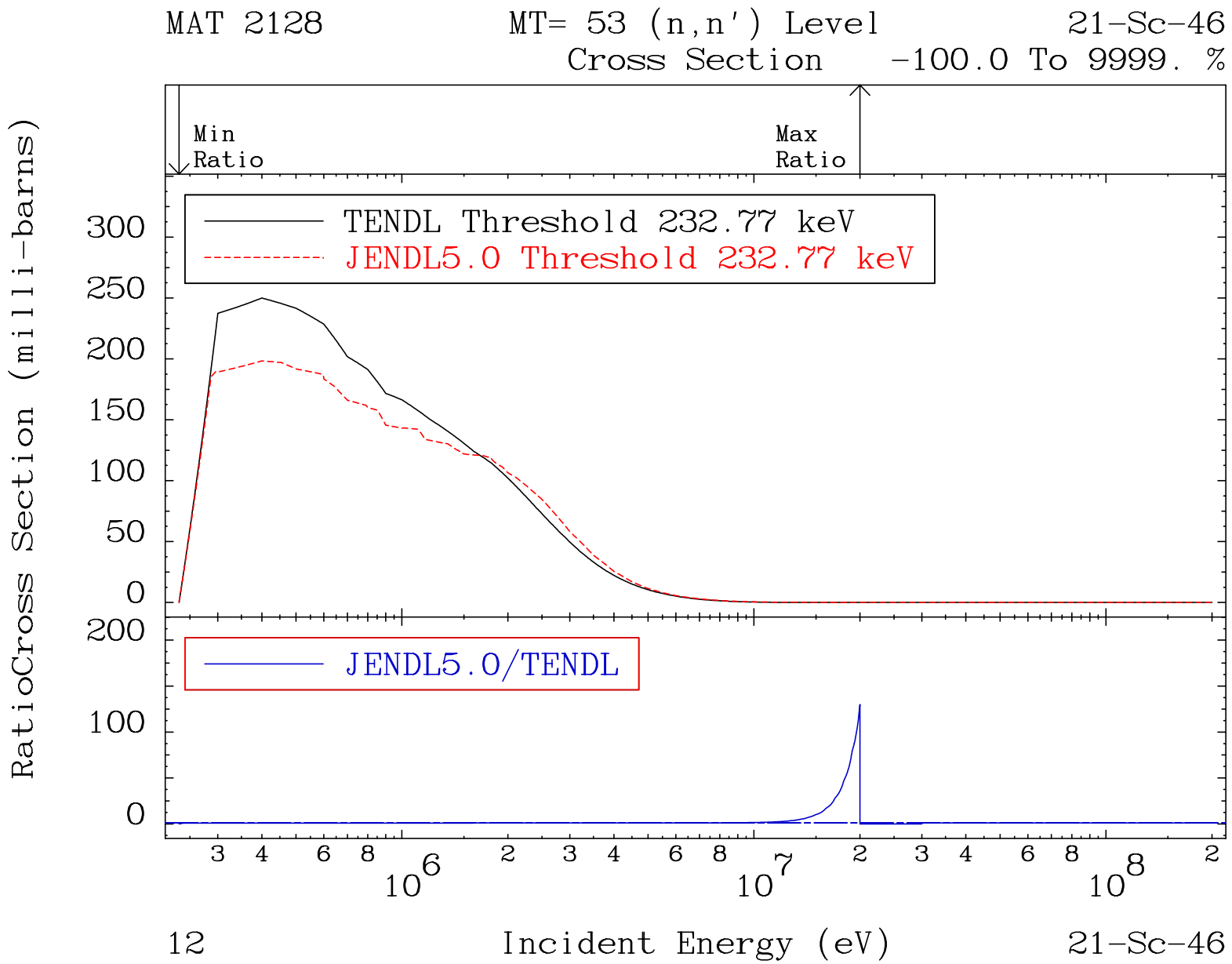

MAT 2128
(n,n') p
Cross Section
21-Sc-46
-100.0 To 43.10 %
Max Ratio
Min Ratio
TENDL Threshold 8.4192 MeV
JENDL5.0 Threshold 8.4192 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
21-Sc-46

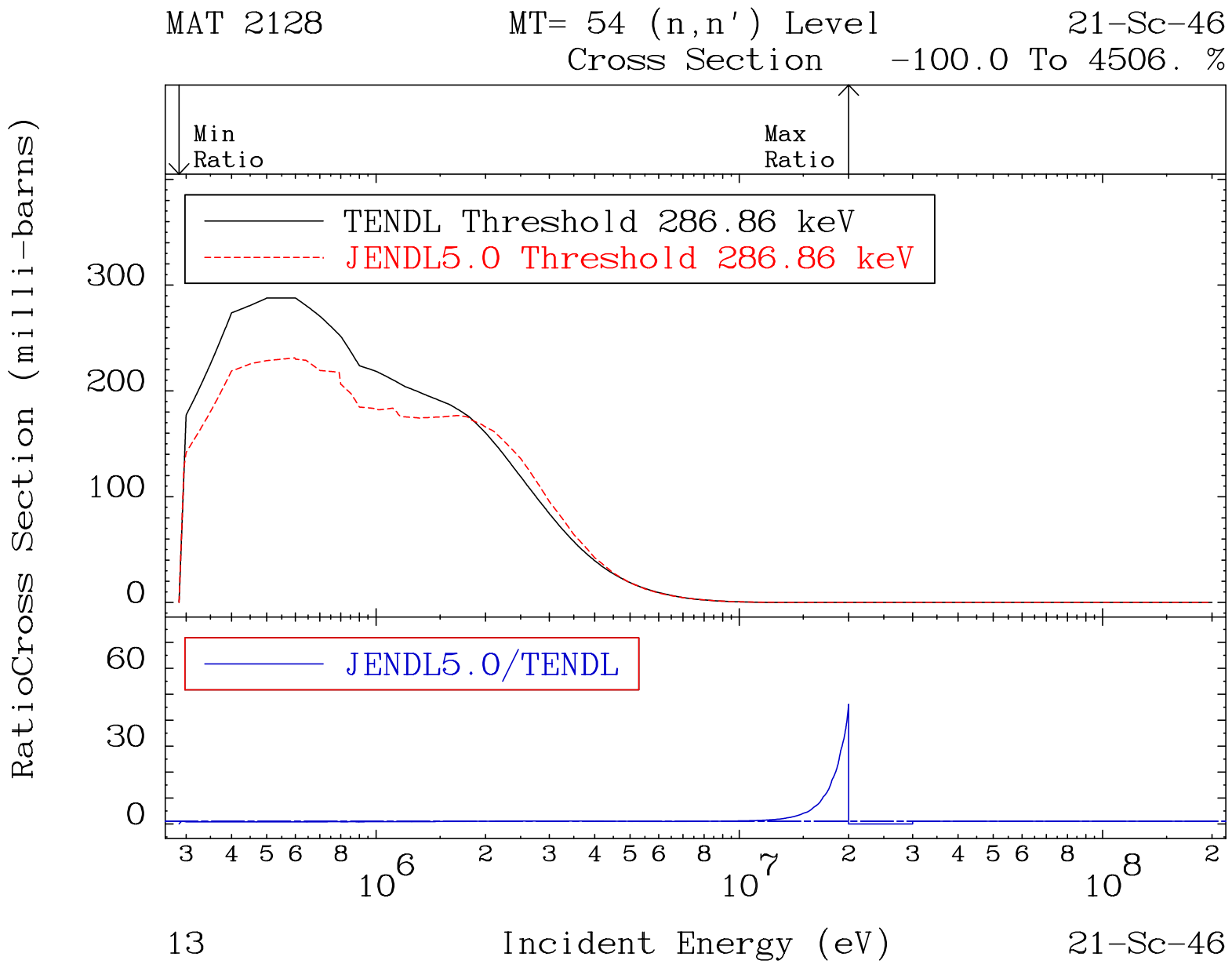

MAT 2128
(n,n') d
Cross Section
21-Sc-46
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 13.723 MeV
JENDL5.0 Threshold 13.723 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
10
0
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
21-Sc-46

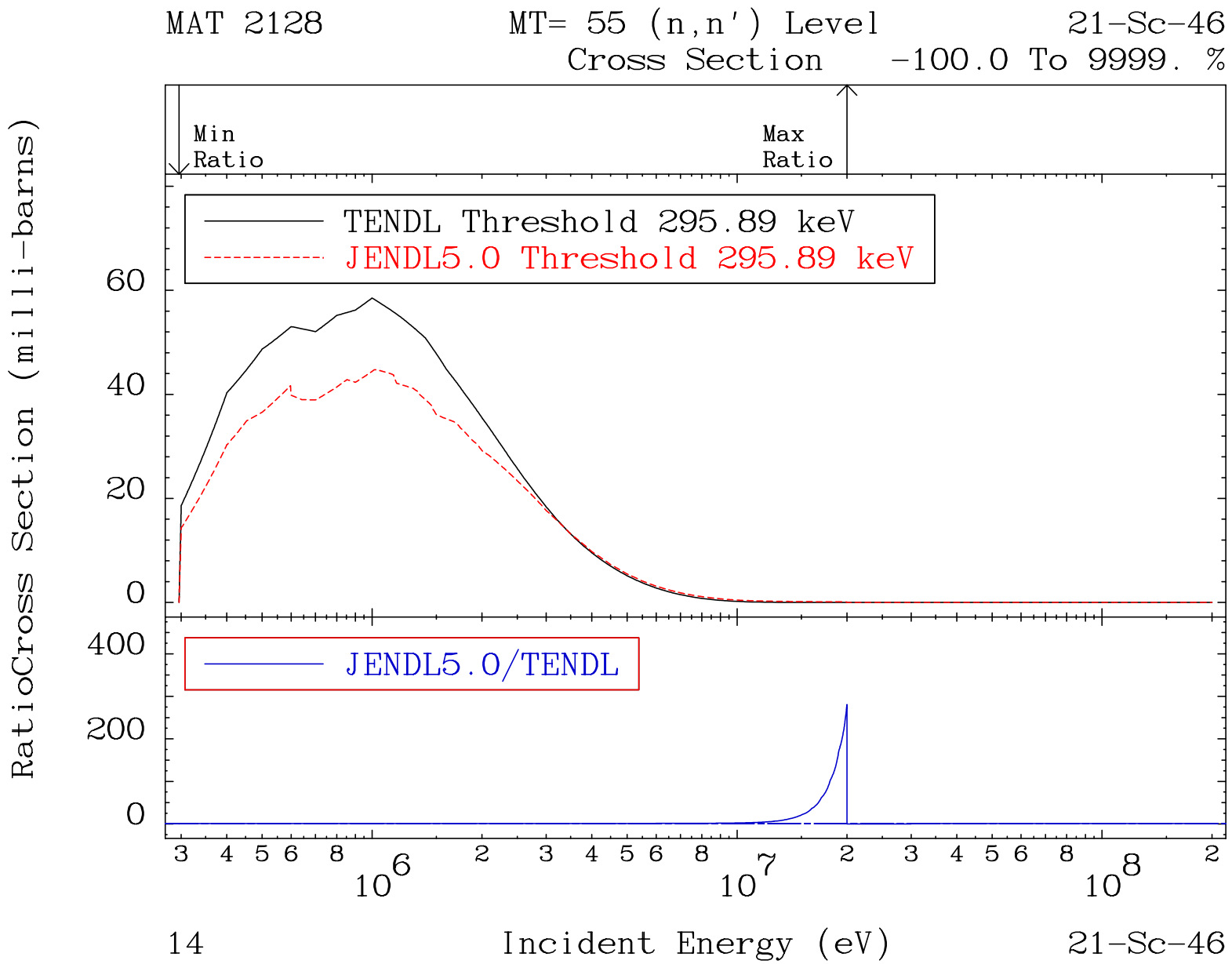

MAT 2128
(n,2n) p
Cross Section
21-Sc-46
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 15.997 MeV
JENDL5.0 Threshold 15.997 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
2
10^8
9
Incident Energy (eV)
21-Sc-46

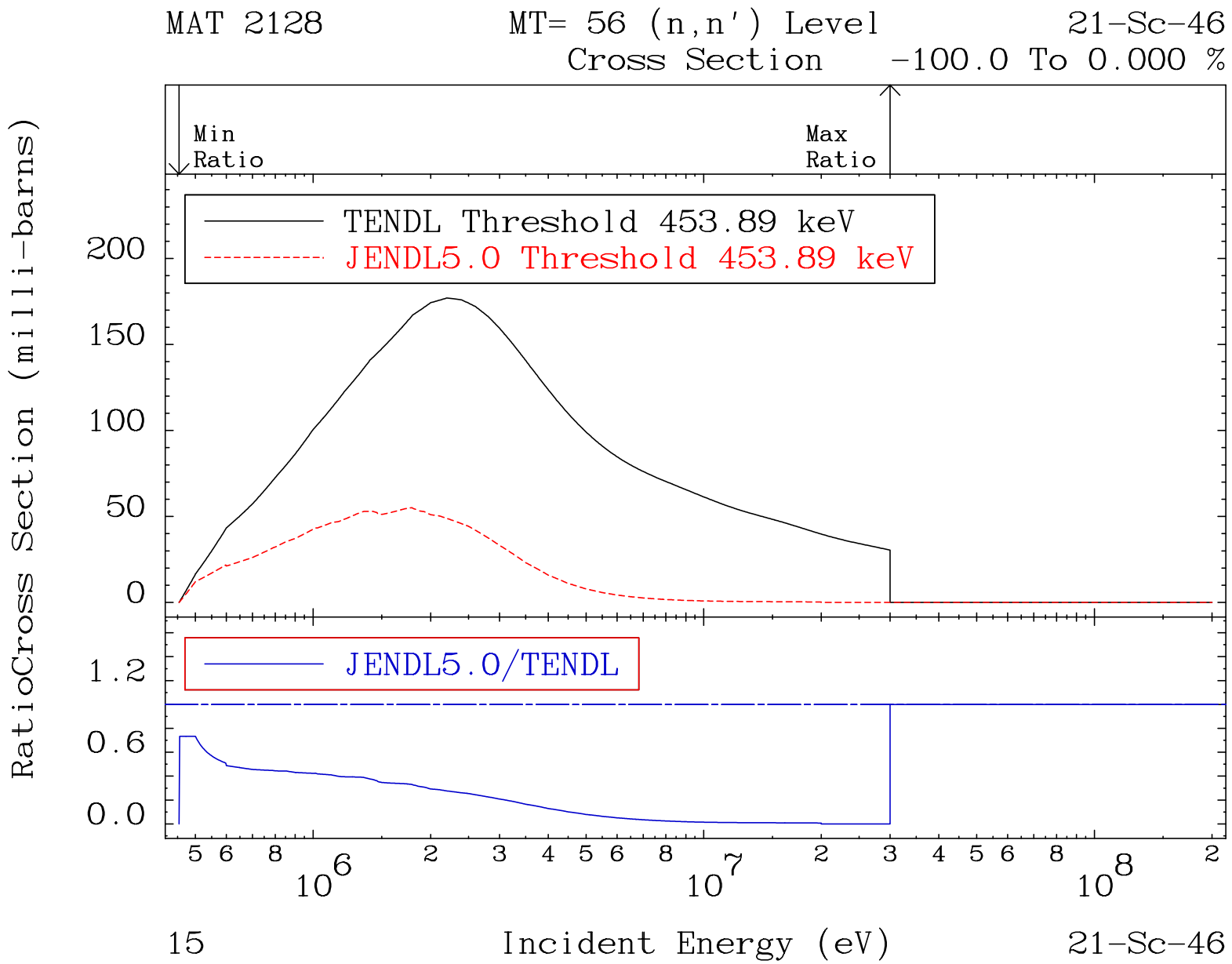

MAT 2128
MT= 51 (n,n') Level
21-Sc-46
Cross Section -100.0 To 13.82 %
Min Ratio
Max Ratio
TENDL Threshold 53.152 keV
JENDL5.0 Threshold 53.152 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
1.2
0.6
0.0
5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
10
Incident Energy (eV)
21-Sc-46

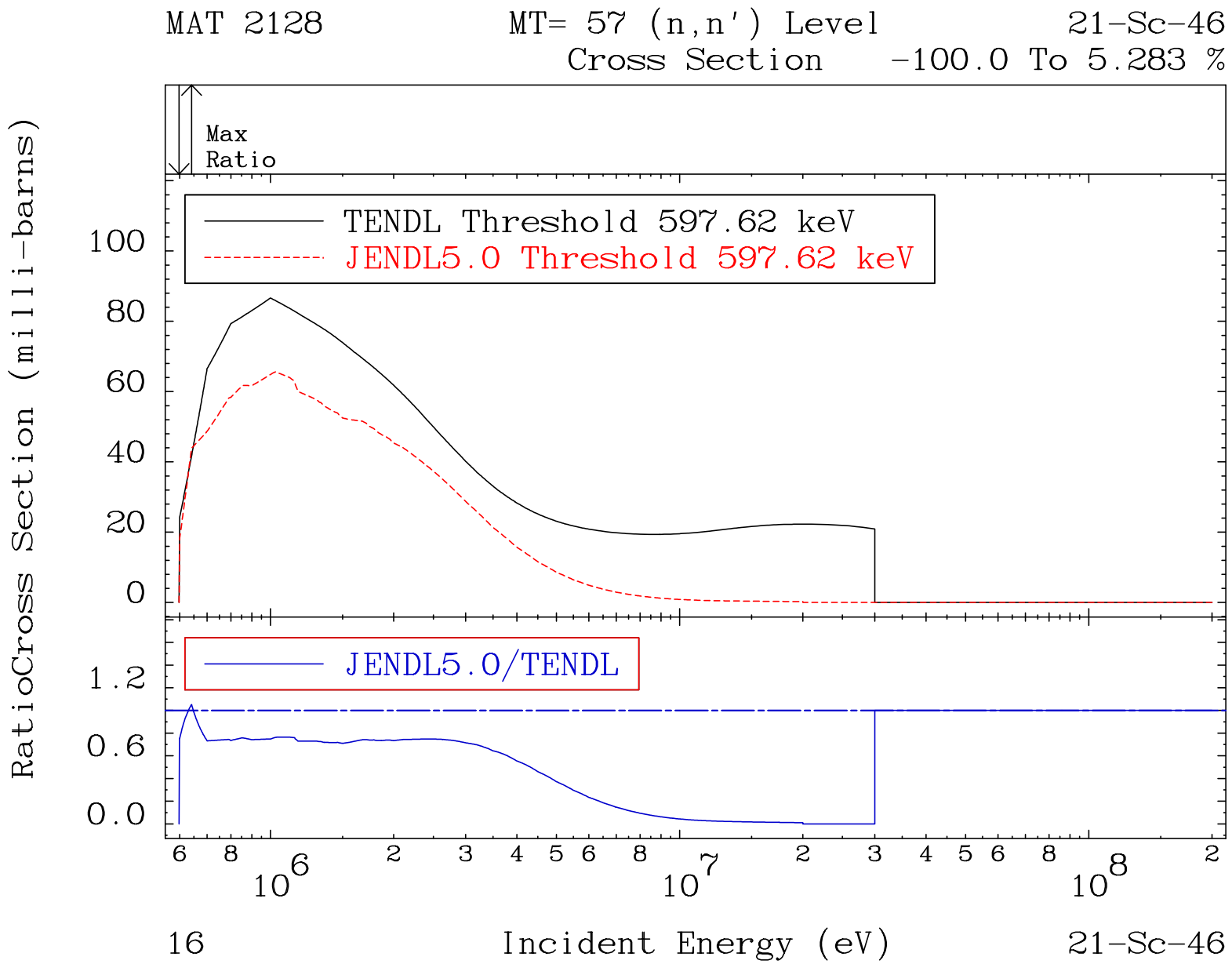

MAT 2128
MT= 52 (n,n') Level
21-Sc-46
Cross Section -100.0 To 15.96 %
Min Ratio
Max Ratio
TENDL Threshold 145.66 keV
JENDL5.0 Threshold 145.66 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
11
21-Sc-46

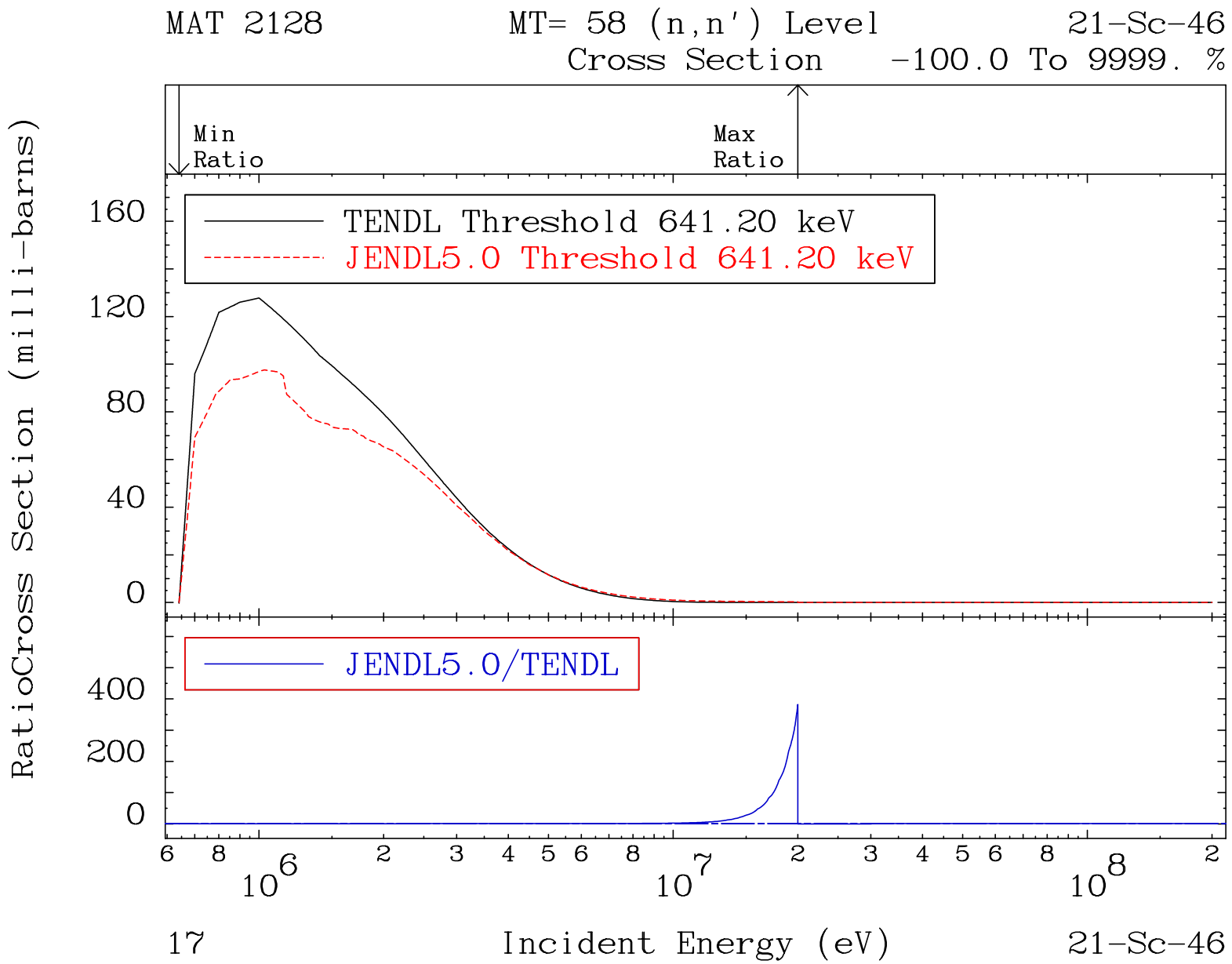

MAT 2128
MT= 53 (n,n') Level
21-Sc-46
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 232.77 keV
JENDL5.0 Threshold 232.77 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
200
100
0
3 4 6 8 10^6 2 3 4 6 8 10^7 2 3 4 6 8 10^8 2
12
Incident Energy (eV)
21-Sc-46

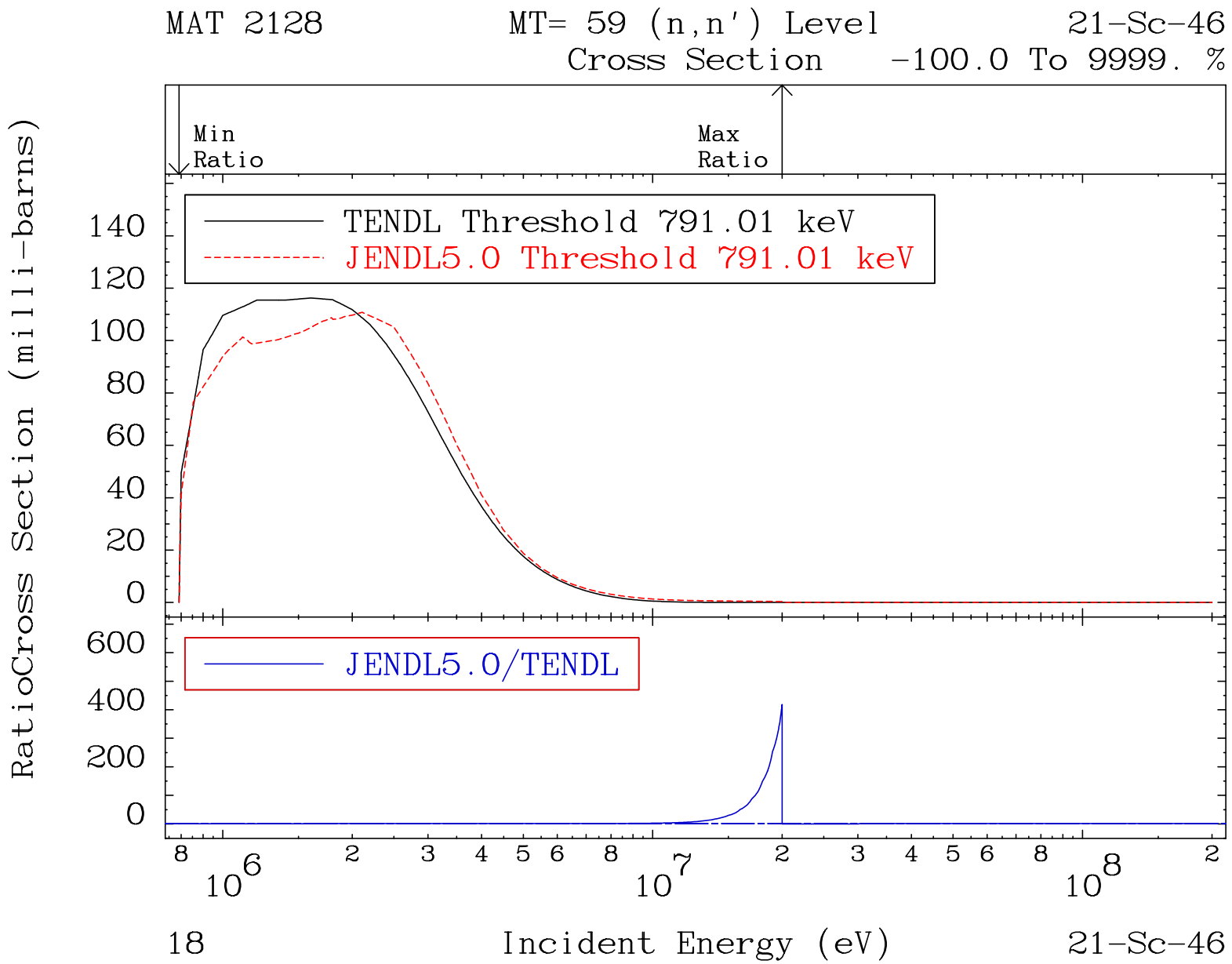

MAT 2128
MT= 54 (n,n') Level
21-Sc-46
Cross Section
-100.0 To 4506. %
Min Ratio
Max Ratio
TENDL Threshold 286.86 keV
JENDL5.0 Threshold 286.86 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
200
100
0
60
30
0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
13
Incident Energy (eV)
21-Sc-46

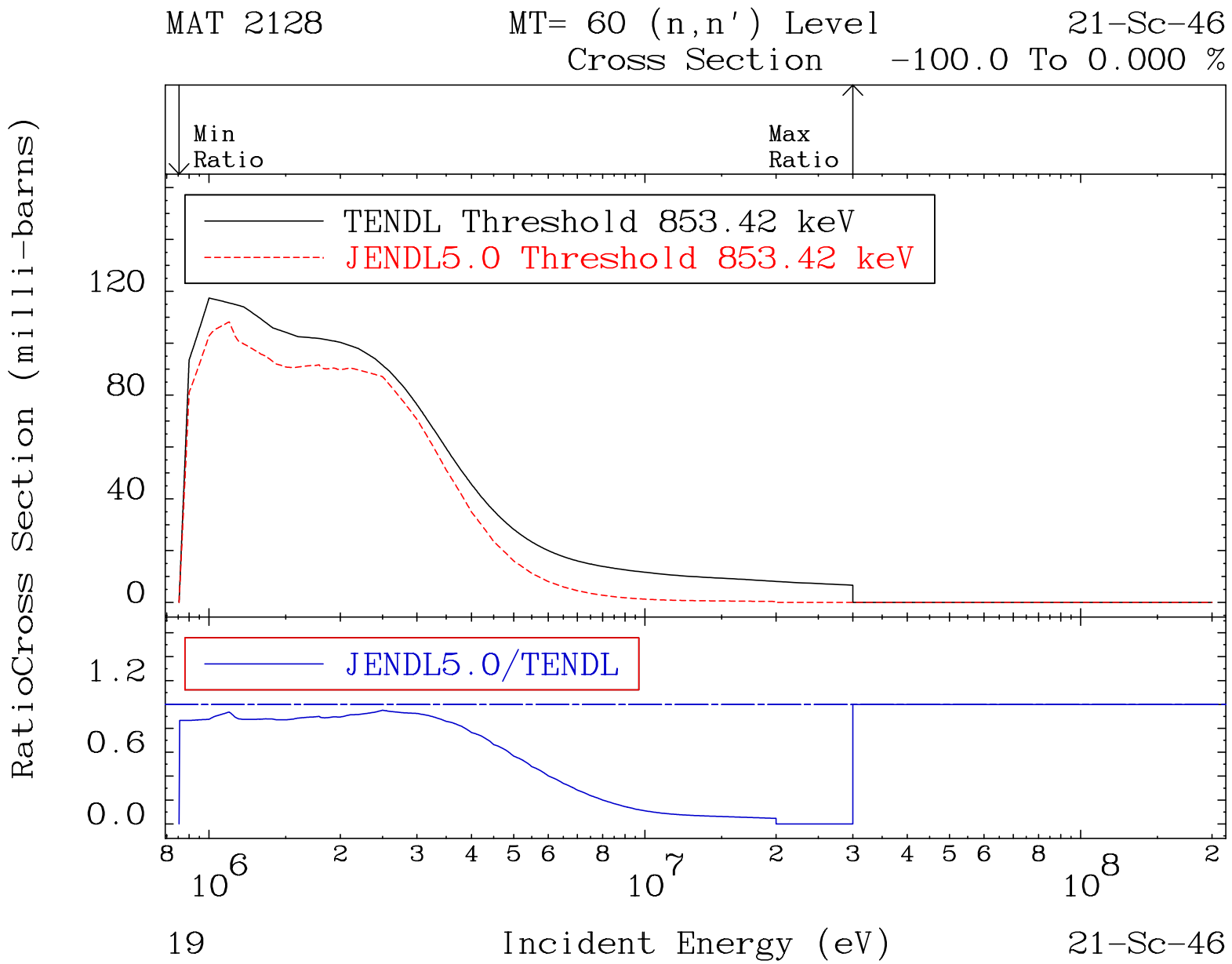

MAT 2128
MT= 55 (n,n') Level
21-Sc-46
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 295.89 keV
JENDL5.0 Threshold 295.89 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
400
200
0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
14
Incident Energy (eV)
21-Sc-46

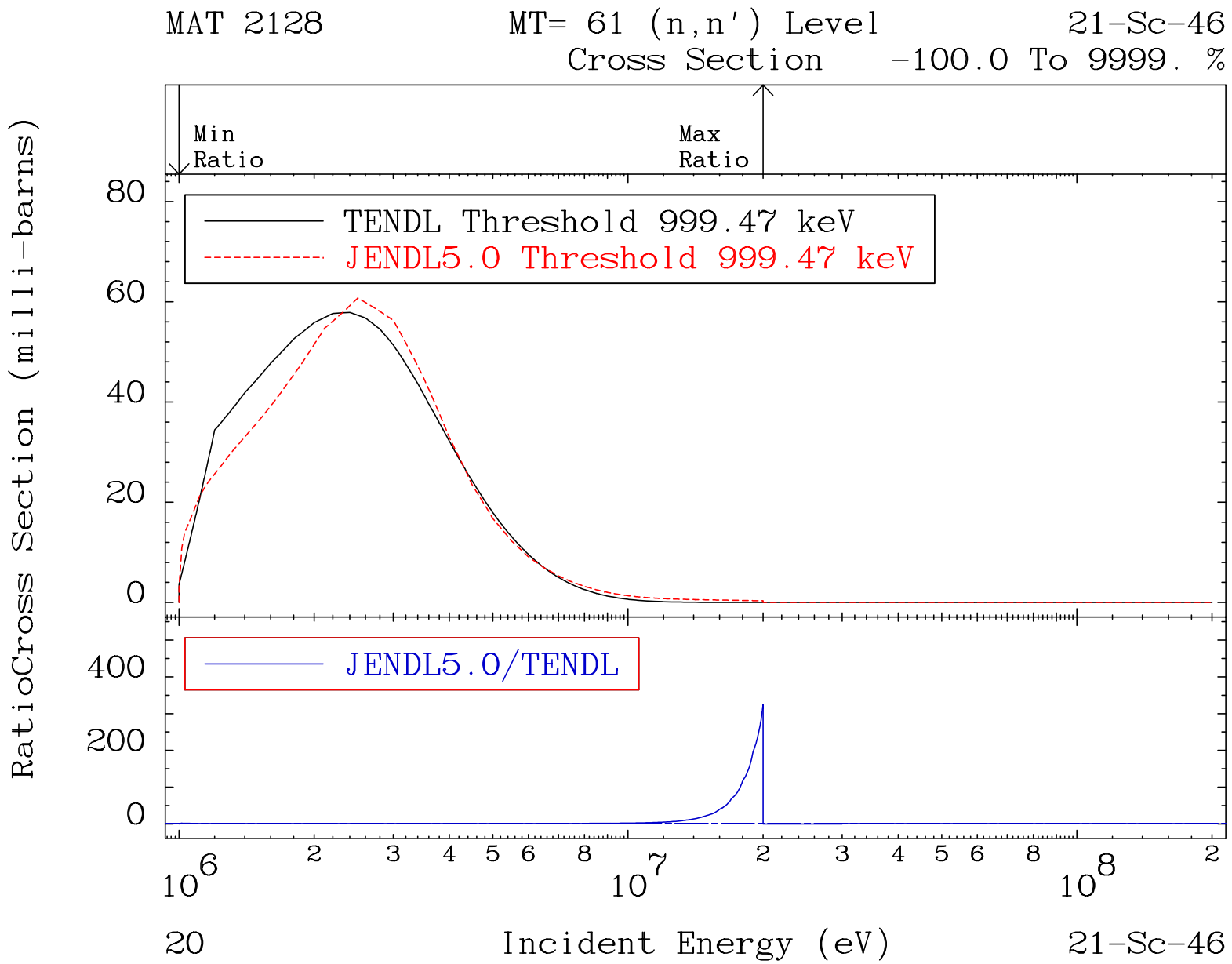

MAT 2128
MT= 56 (n,n') Level
21-Sc-46
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 453.89 keV
JENDL5.0 Threshold 453.89 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.2
0.6
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
15
Incident Energy (eV)
21-Sc-46

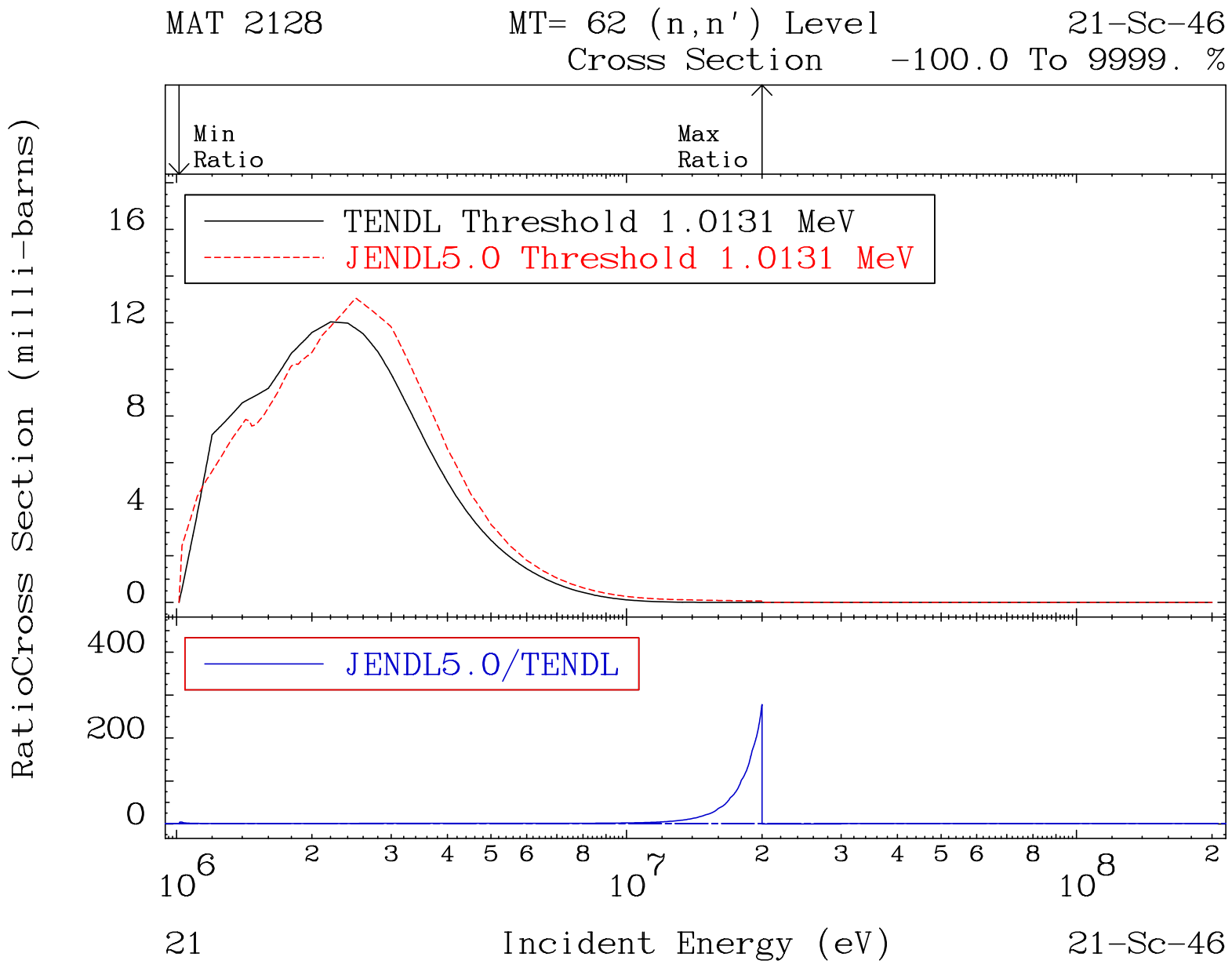

MAT 2128
MT= 57 (n,n') Level
21-Sc-46
Cross Section
-100.0 To 5.283 %
Max
Ratio
TENDL Threshold 597.62 keV
JENDL5.0 Threshold 597.62 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.6
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
16
Incident Energy (eV)
21-Sc-46

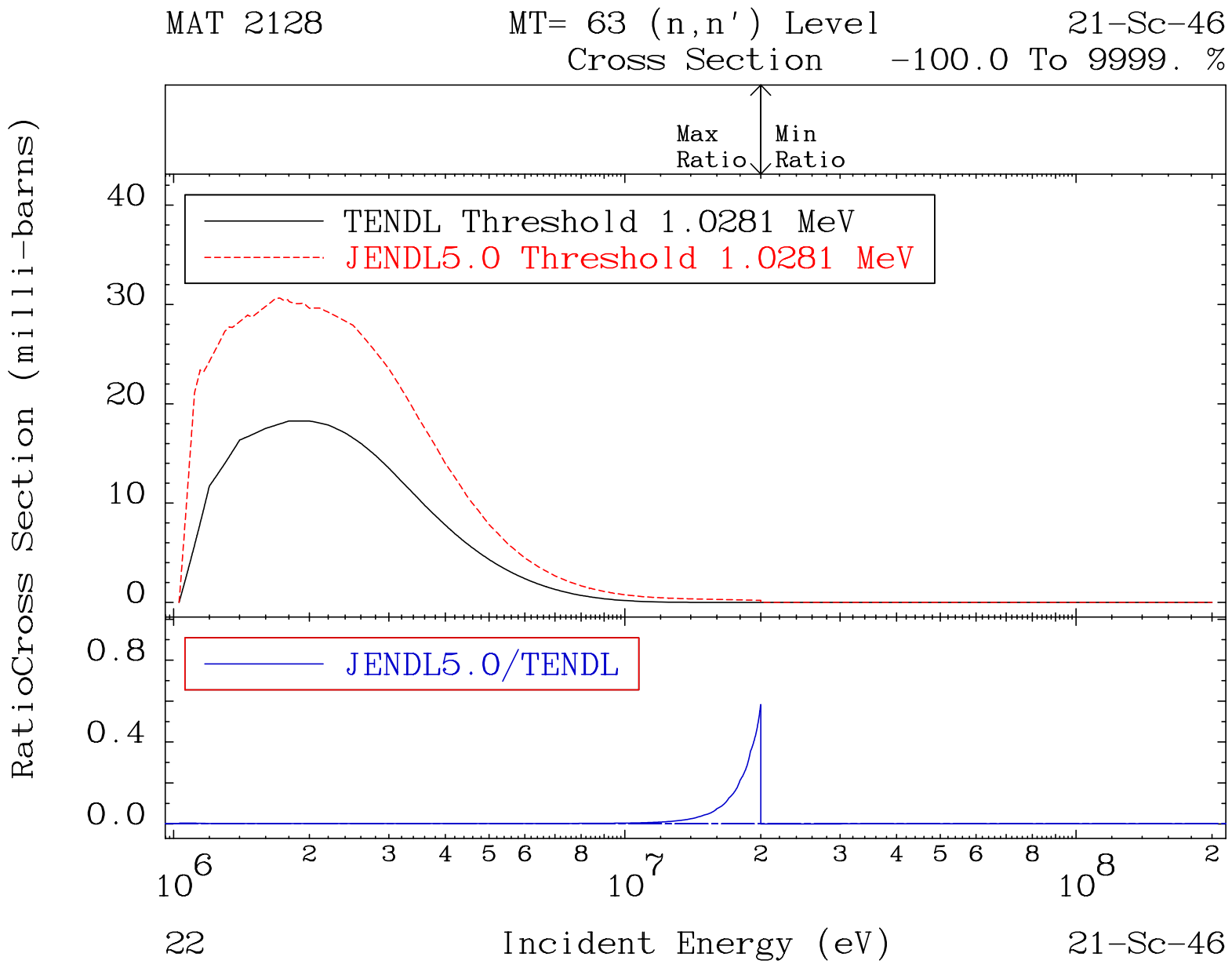

MAT 2128
MT= 58 (n,n') Level
21-Sc-46
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 641.20 keV
JENDL5.0 Threshold 641.20 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
400
200
0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
17
Incident Energy (eV)
21-Sc-46

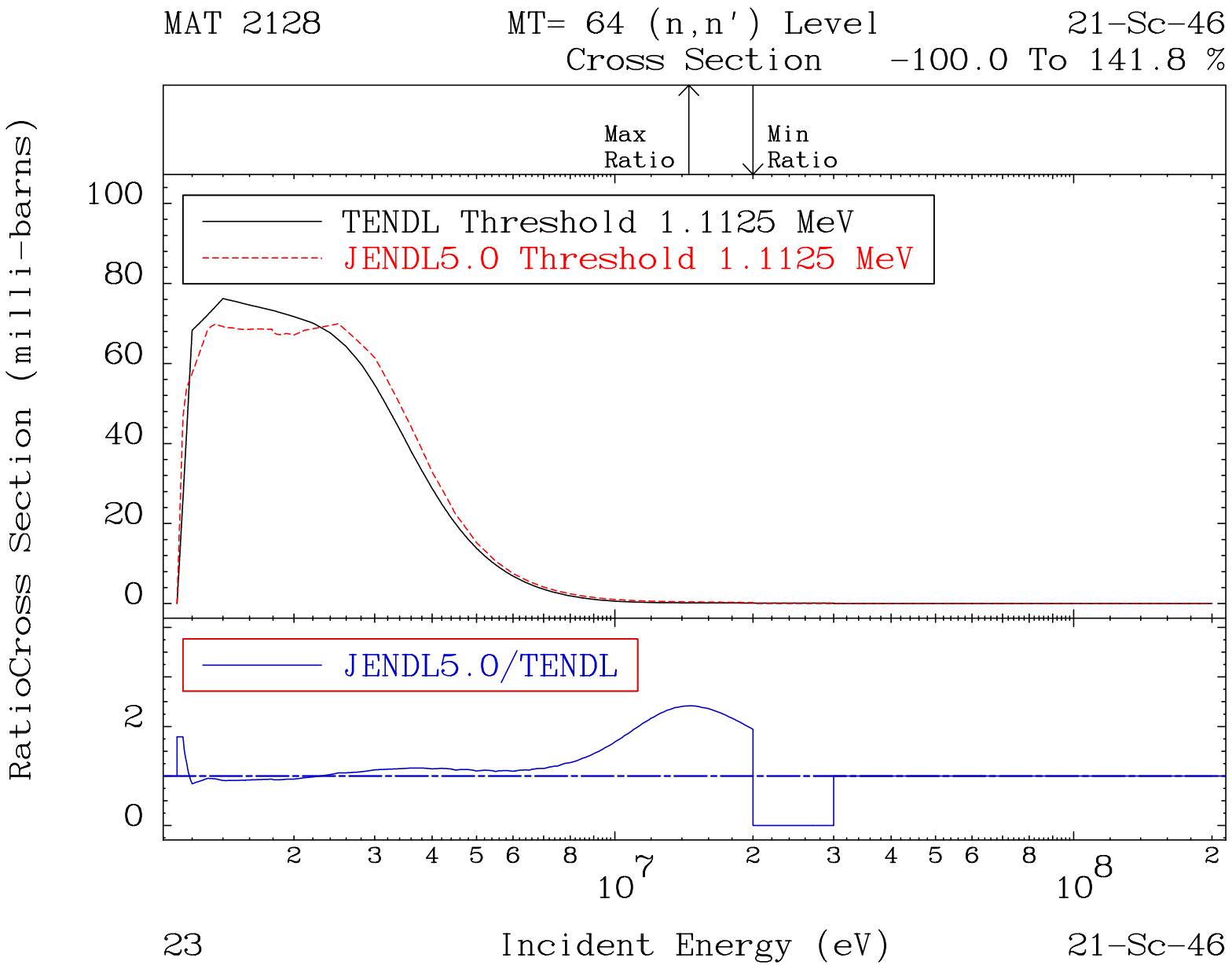

MAT 2128
MT= 59 (n,n') Level
21-Sc-46
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 791.01 keV
JENDL5.0 Threshold 791.01 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
600
400
200
0
8
2
3
4
5
6
8
10^6
10^7
10^8
18
Incident Energy (eV)
21-Sc-46

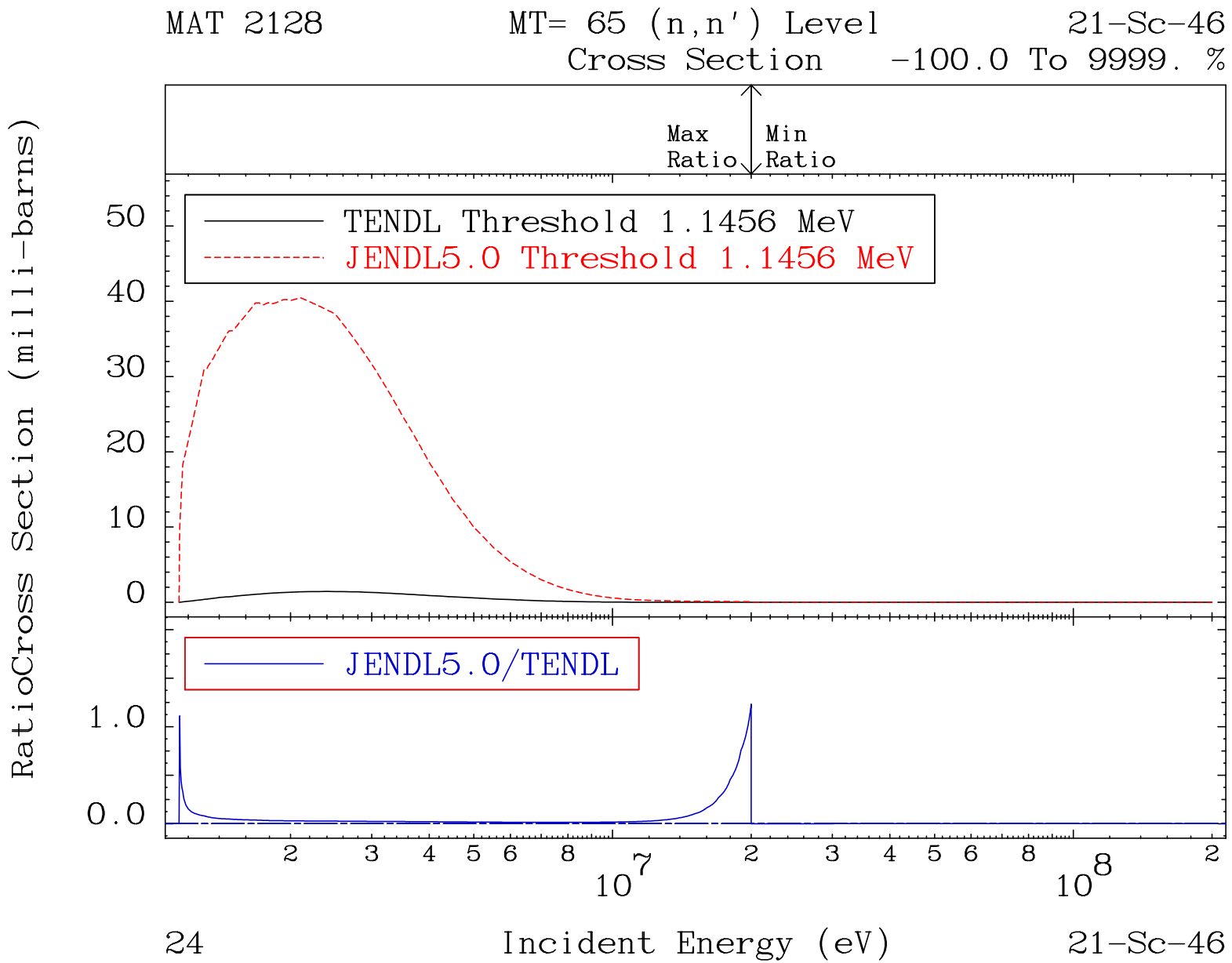

MAT 2128
MT= 60 (n,n') Level
21-Sc-46
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 853.42 keV
JENDL5.0 Threshold 853.42 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
80
40
0
1.2
0.6
0.0
8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
19
Incident Energy (eV)
21-Sc-46

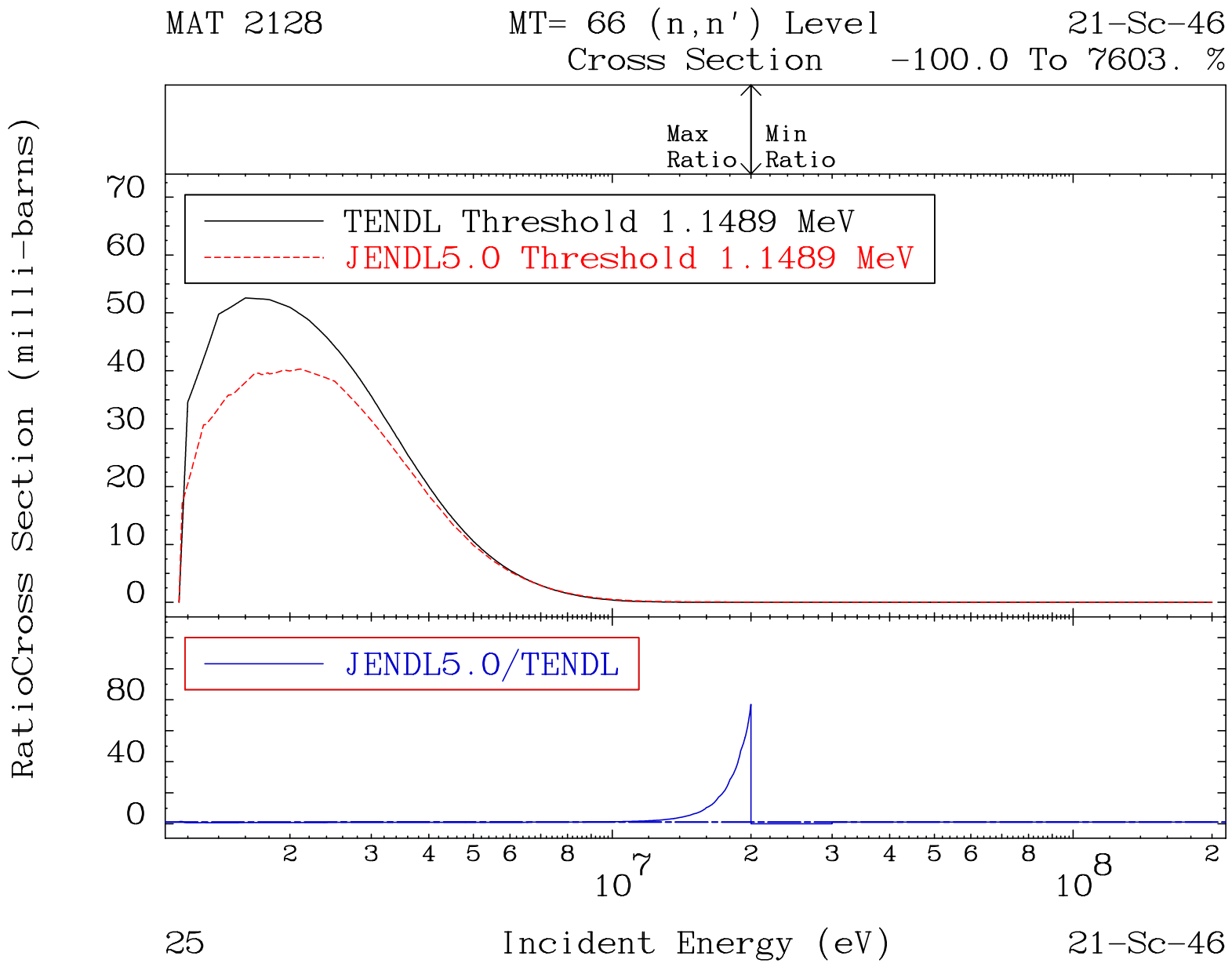

MAT 2128
MT= 61 (n,n') Level
21-Sc-46
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 999.47 keV
JENDL5.0 Threshold 999.47 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
400
200
0
2
3
4
5
6
8
10^6
10^7
10^8
Incident Energy (eV)
20
21-Sc-46

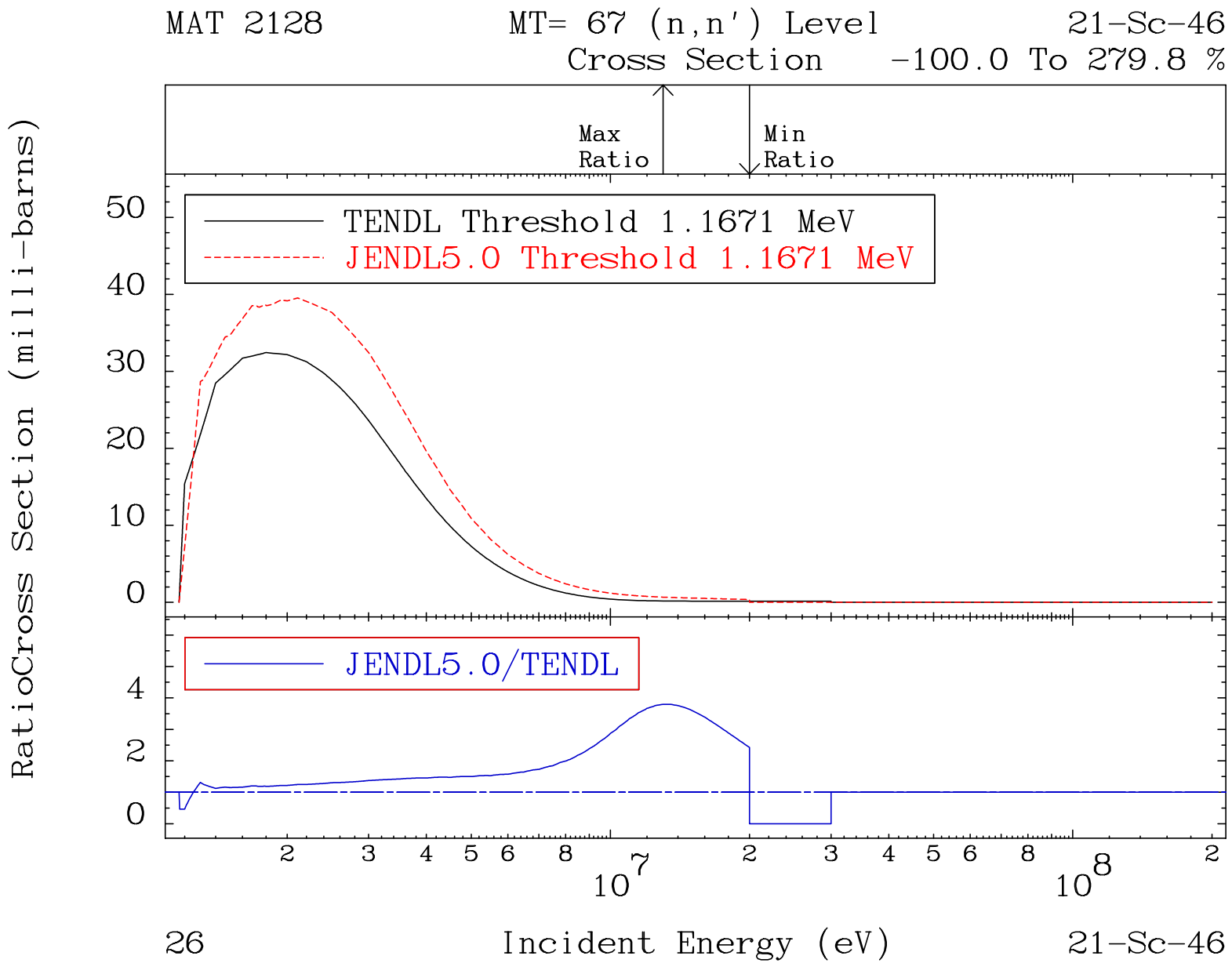

MAT 2128
MT= 62 (n,n') Level
21-Sc-46
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.0131 MeV
JENDL5.0 Threshold 1.0131 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
400
200
0
10^6
10^7
10^8
2 3 4 5 6 8
21
Incident Energy (eV)
21-Sc-46

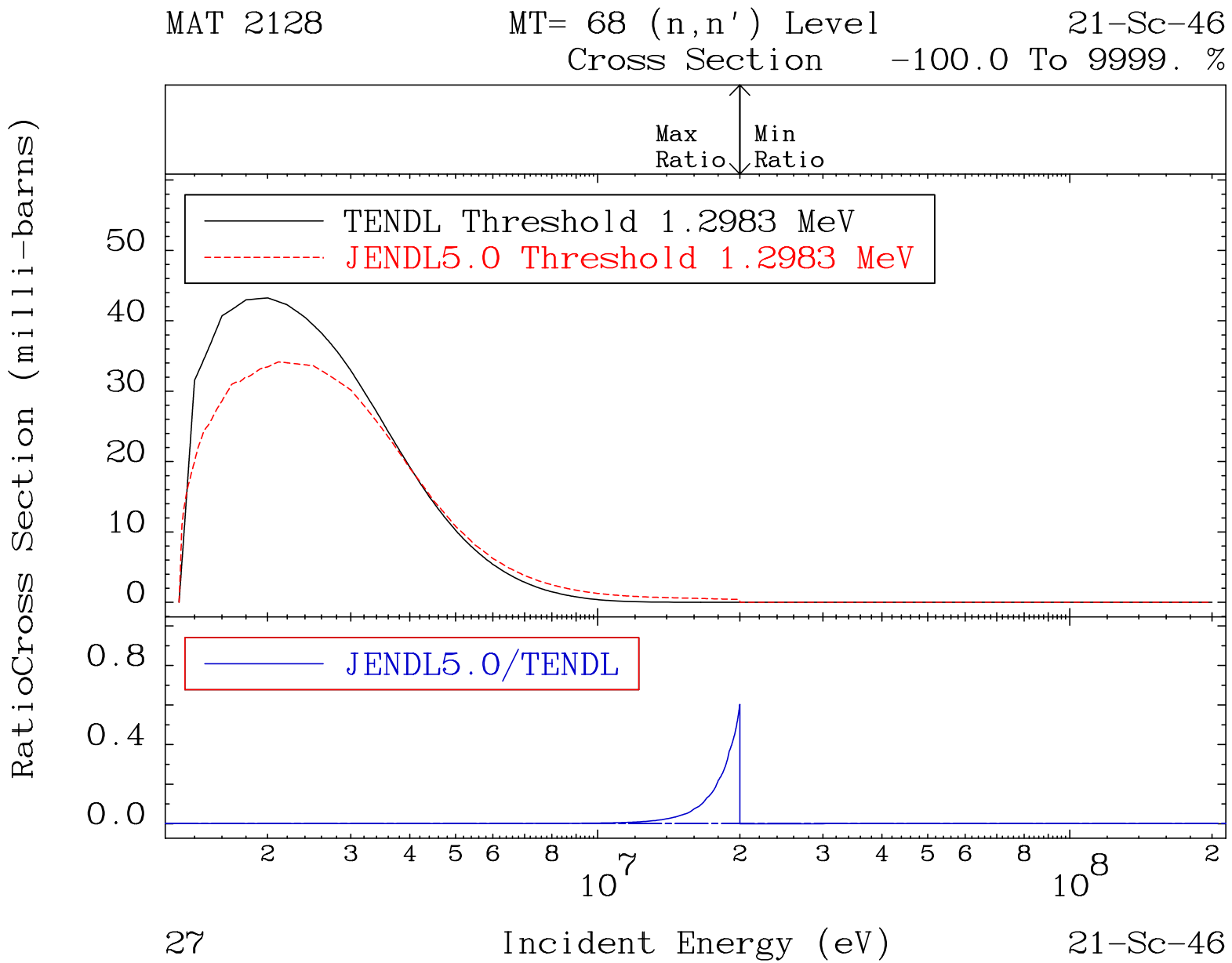

MAT 2128
MT= 63 (n,n') Level
21-Sc-46
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.0281 MeV
JENDL5.0 Threshold 1.0281 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
0.8
0.4
0.0
10^6
10^7
10^8
Incident Energy (eV)
22
21-Sc-46

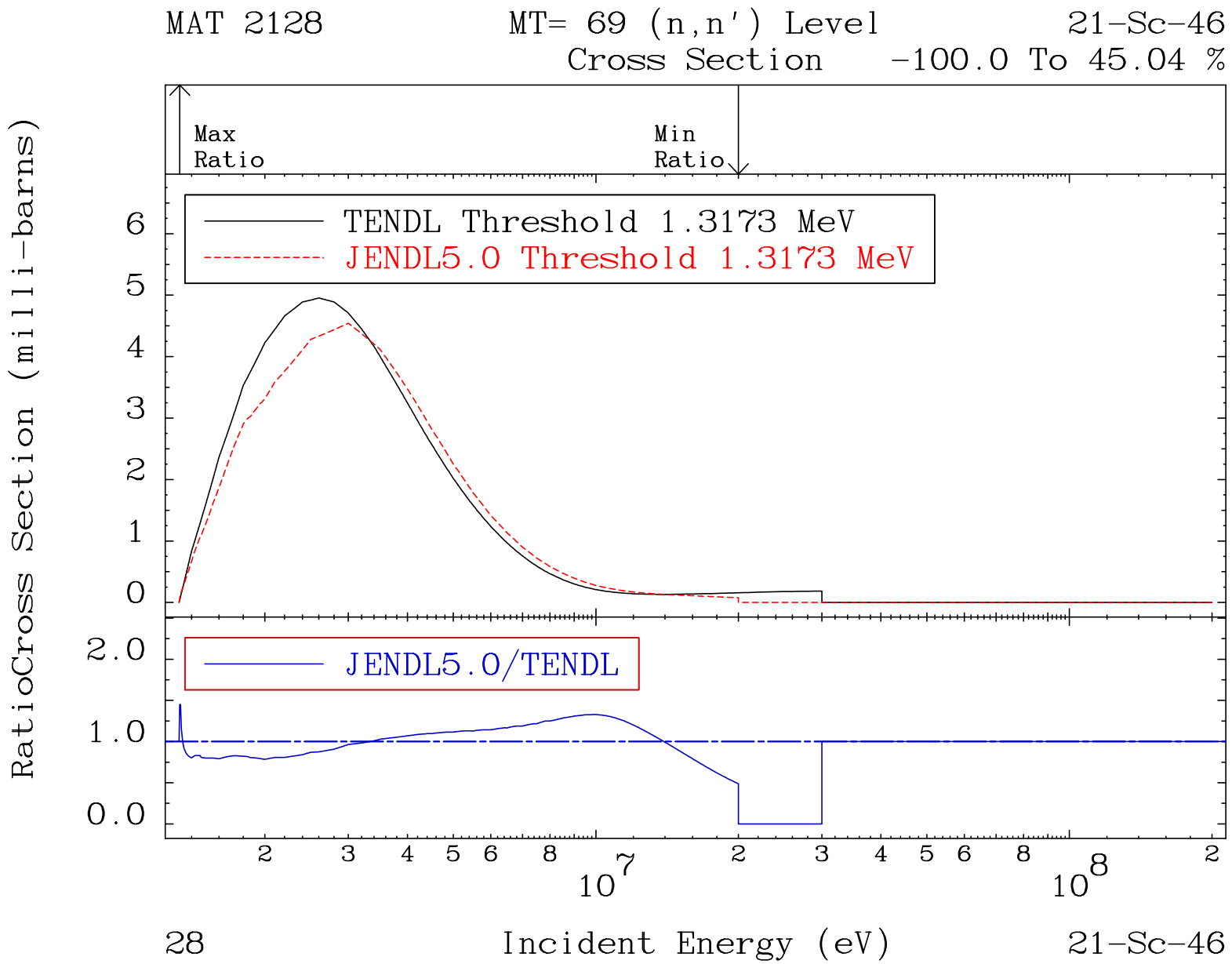

MAT 2128
MT= 64 (n,n') Level
21-Sc-46
Cross Section -100.0 To 141.8 %
Max Ratio
Min Ratio
TENDL Threshold 1.1125 MeV
JENDL5.0 Threshold 1.1125 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
23
Incident Energy (eV)
21-Sc-46

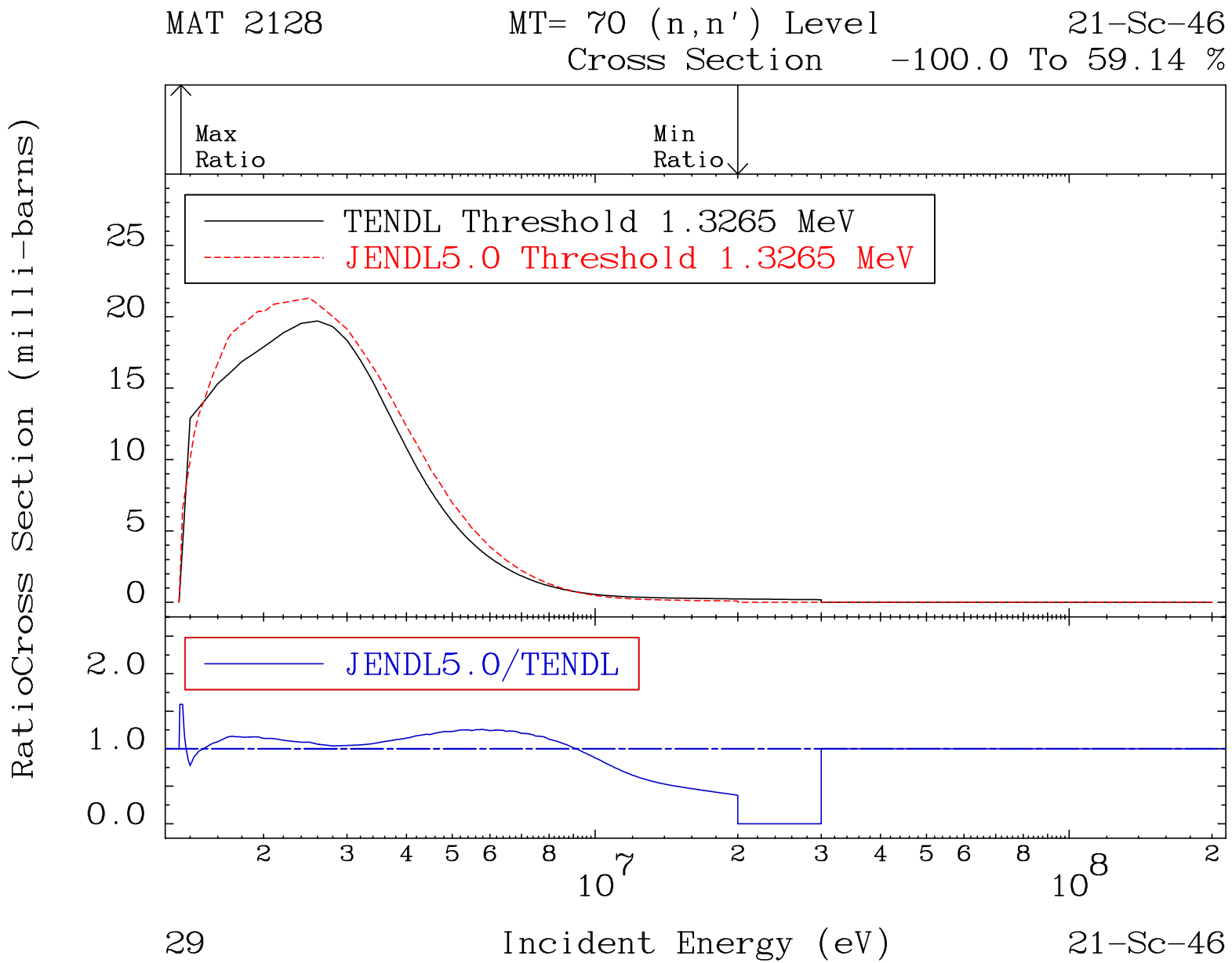

MAT 2128
MT= 65 (n,n') Level
21-Sc-46
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.1456 MeV
JENDL5.0 Threshold 1.1456 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.0
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
24
Incident Energy (eV)
21-Sc-46

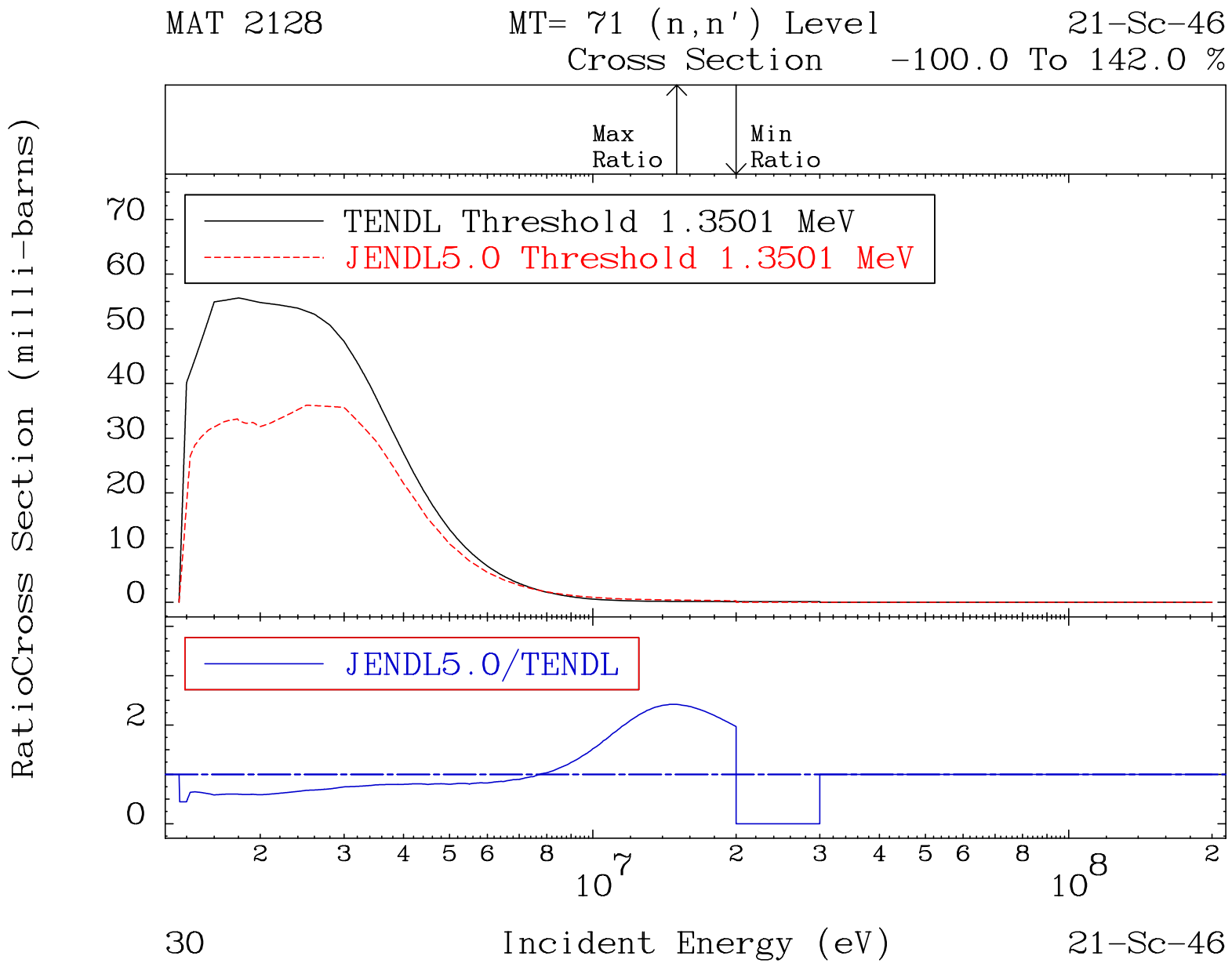

MAT 2128
MT= 66 (n,n') Level
21-Sc-46
Cross Section -100.0 To 7603. %
Max Ratio
Min Ratio
TENDL Threshold 1.1489 MeV
JENDL5.0 Threshold 1.1489 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
80
40
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
25
Incident Energy (eV)
21-Sc-46

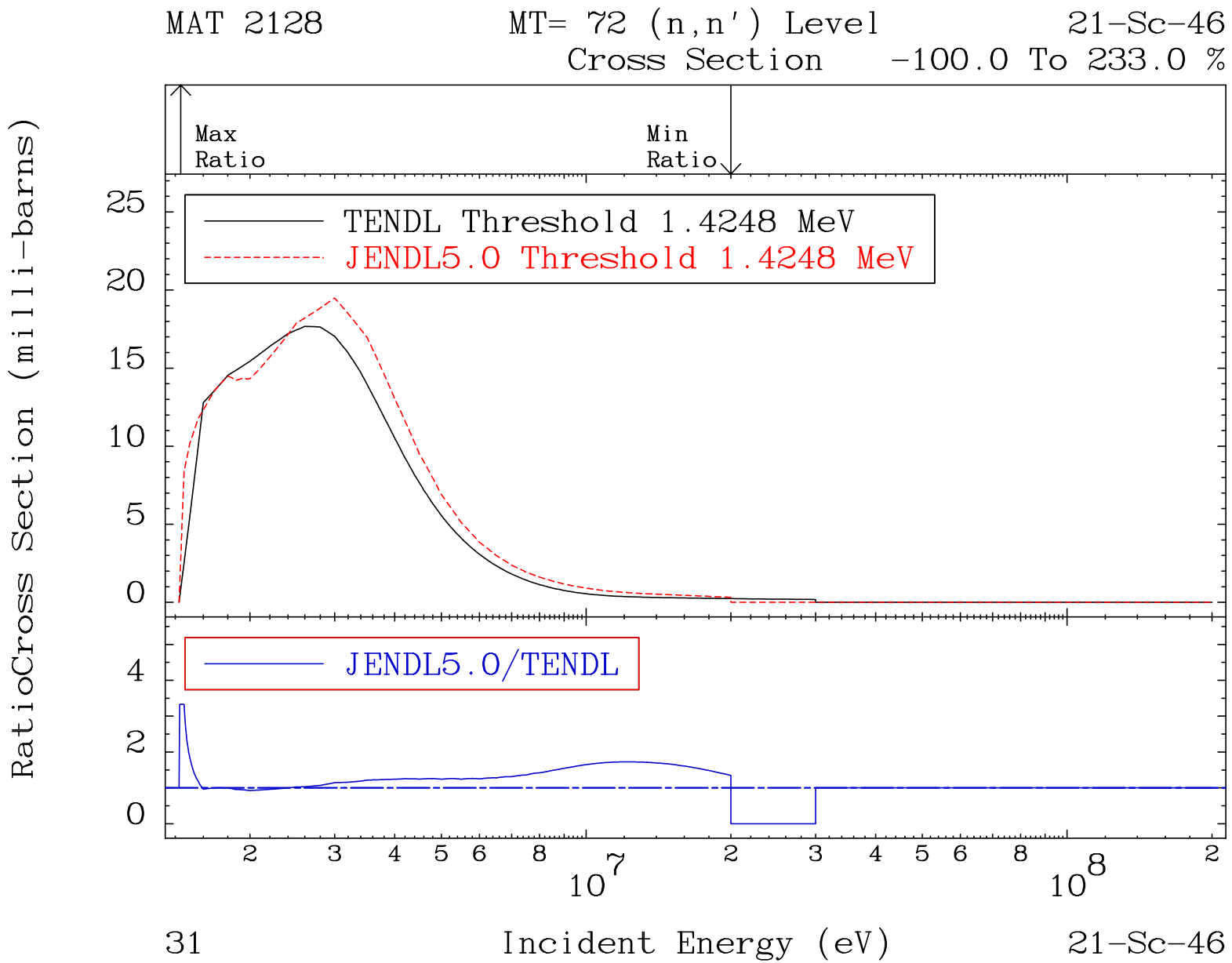

MAT 2128
MT= 67 (n,n') Level
21-Sc-46
Cross Section -100.0 To 279.8 %
Max Ratio
Min Ratio
TENDL Threshold 1.1671 MeV
JENDL5.0 Threshold 1.1671 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
4
2
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
26
Incident Energy (eV)
21-Sc-46

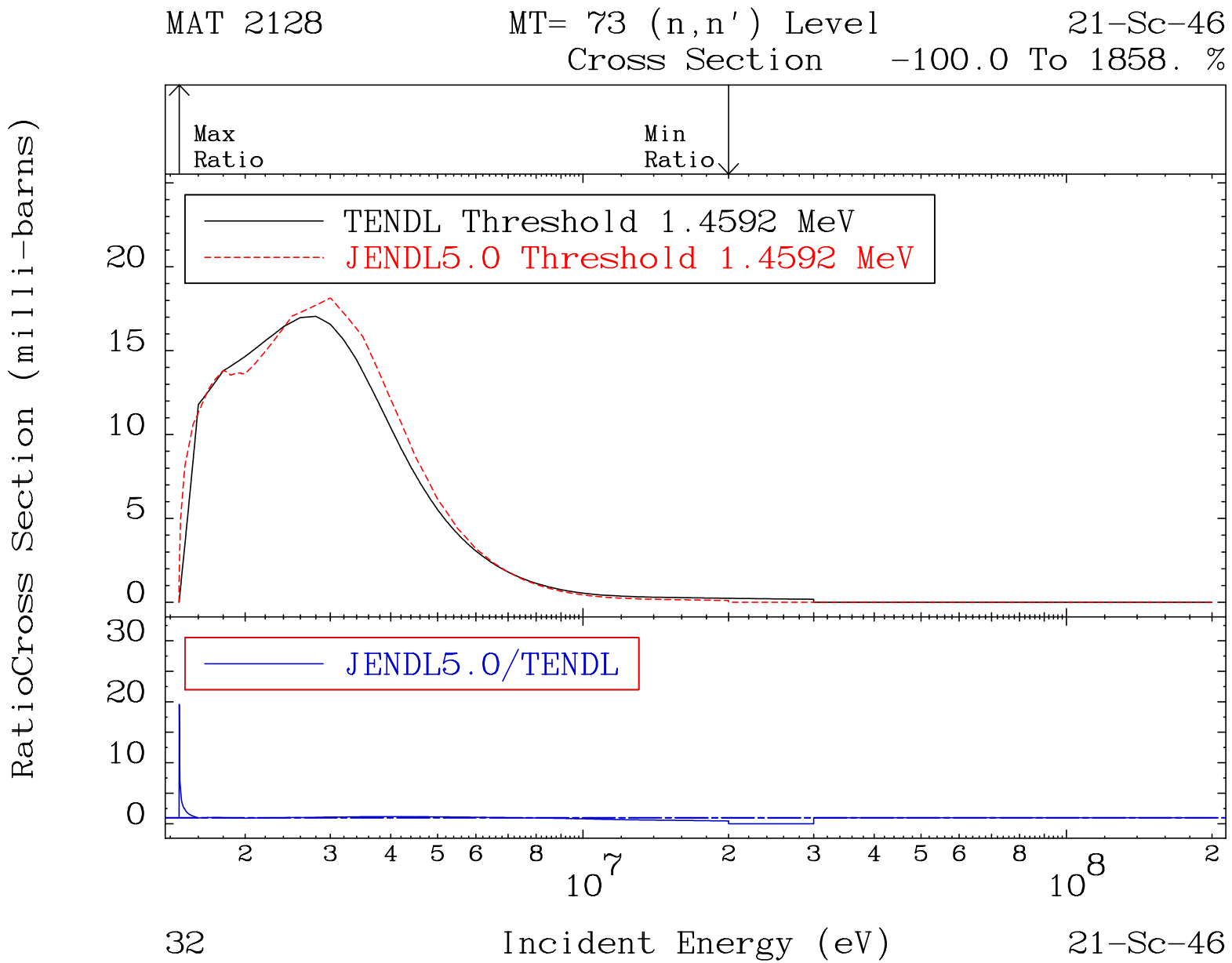

MAT 2128
MT= 68 (n,n') Level
21-Sc-46
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.2983 MeV
JENDL5.0 Threshold 1.2983 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
0.8
0.4
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
27
Incident Energy (eV)
21-Sc-46

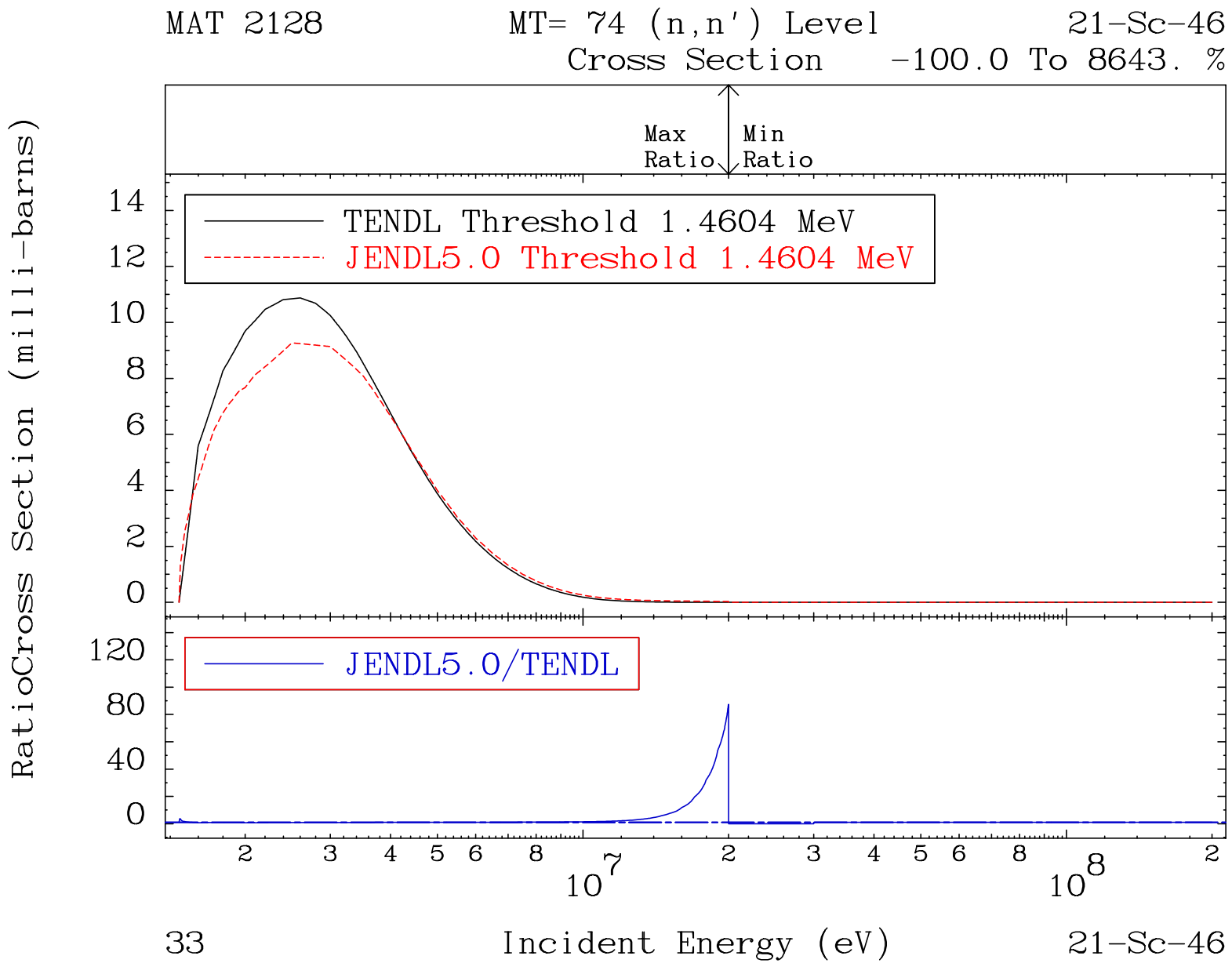

MAT 2128
MT= 69 (n,n') Level
21-Sc-46
Cross Section -100.0 To 45.04 %
Max Ratio
Min Ratio
TENDL Threshold 1.3173 MeV
JENDL5.0 Threshold 1.3173 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
28
21-Sc-46

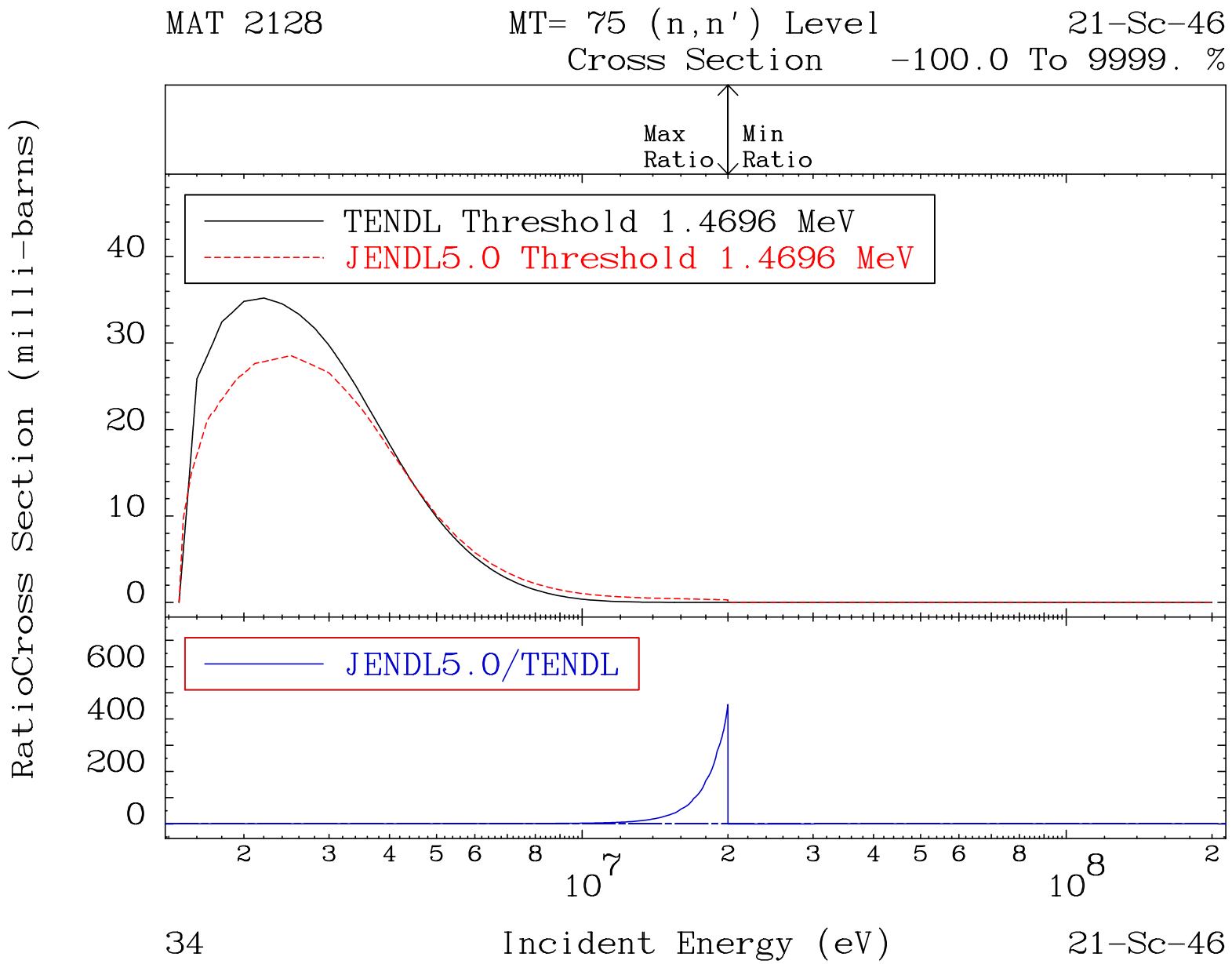

MAT 2128
MT= 70 (n,n') Level
21-Sc-46
Cross Section -100.0 To 59.14 %
Max Ratio
Min Ratio
TENDL Threshold 1.3265 MeV
JENDL5.0 Threshold 1.3265 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
2.0
1.0
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
29
Incident Energy (eV)
21-Sc-46

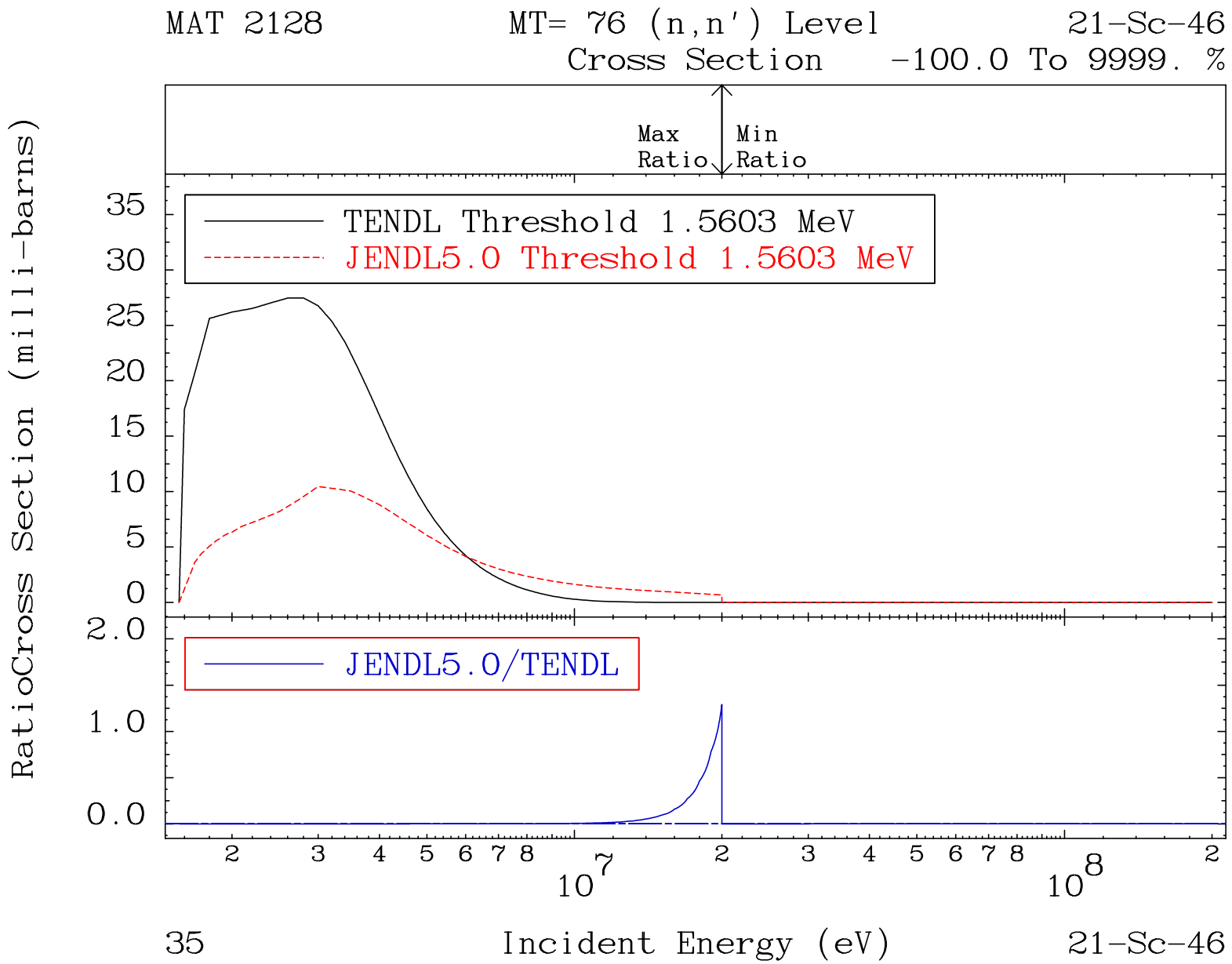

MAT 2128
MT= 71 (n,n') Level
21-Sc-46
Cross Section -100.0 To 142.0 %
Max Ratio
Min Ratio
TENDL Threshold 1.3501 MeV
JENDL5.0 Threshold 1.3501 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
2
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
30
Incident Energy (eV)
21-Sc-46

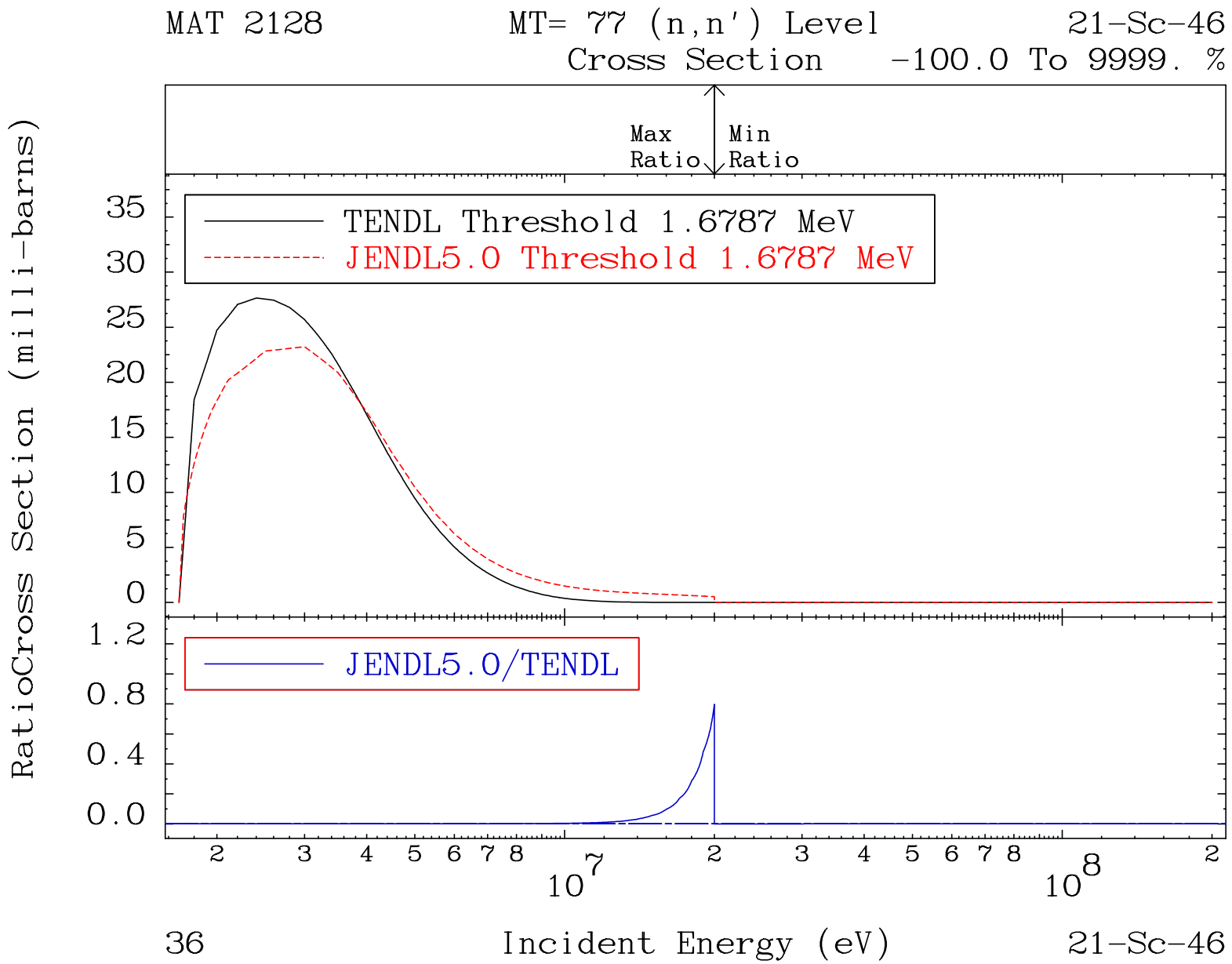

MAT 2128
MT= 72 (n,n') Level
21-Sc-46
Cross Section -100.0 To 233.0 %
Max Ratio
Min Ratio
TENDL Threshold 1.4248 MeV
JENDL5.0 Threshold 1.4248 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
31
21-Sc-46

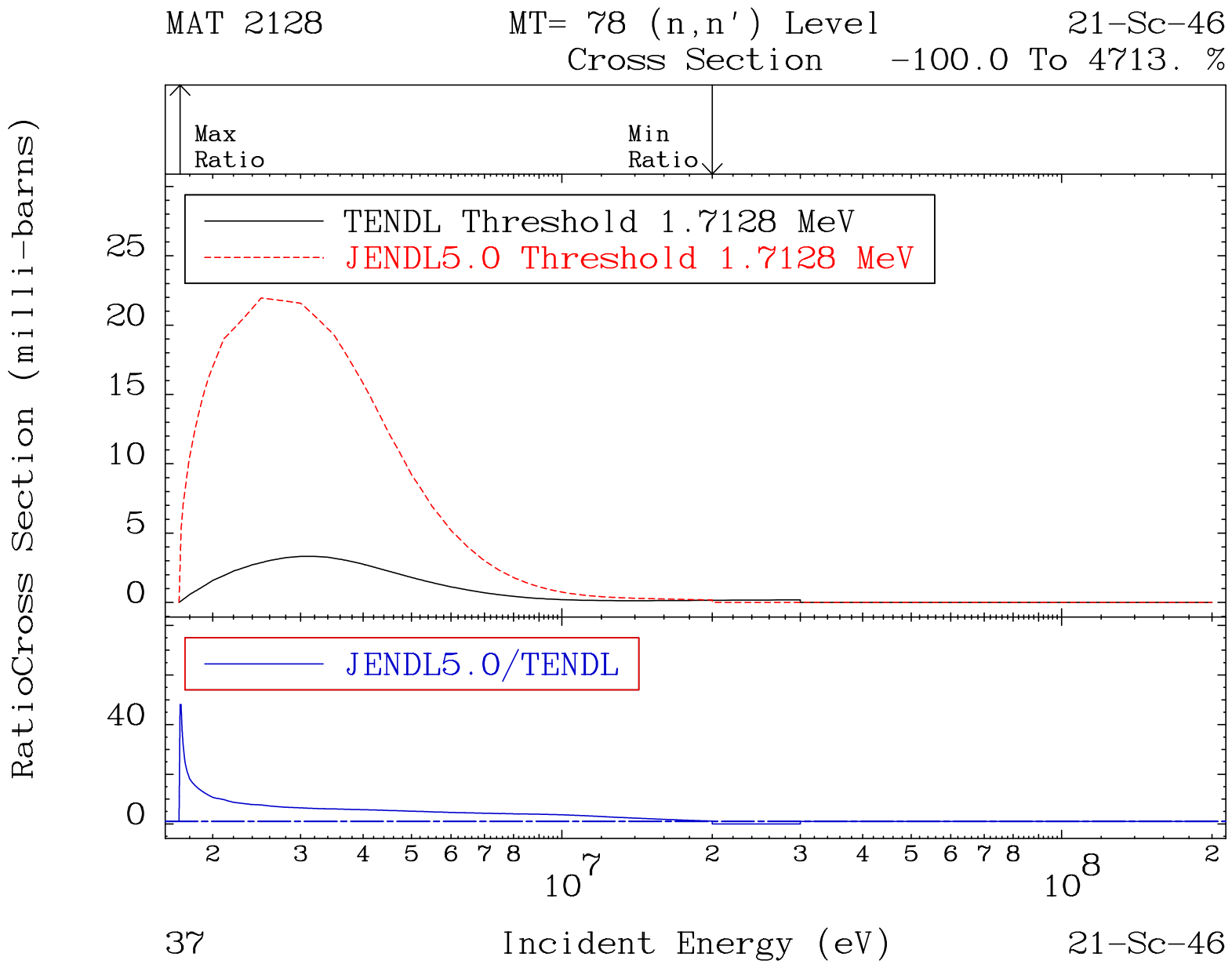

MAT 2128
MT= 73 (n,n') Level
21-Sc-46
Cross Section -100.0 To 1858. %
Max Ratio
Min Ratio
TENDL Threshold 1.4592 MeV
JENDL5.0 Threshold 1.4592 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
32
21-Sc-46

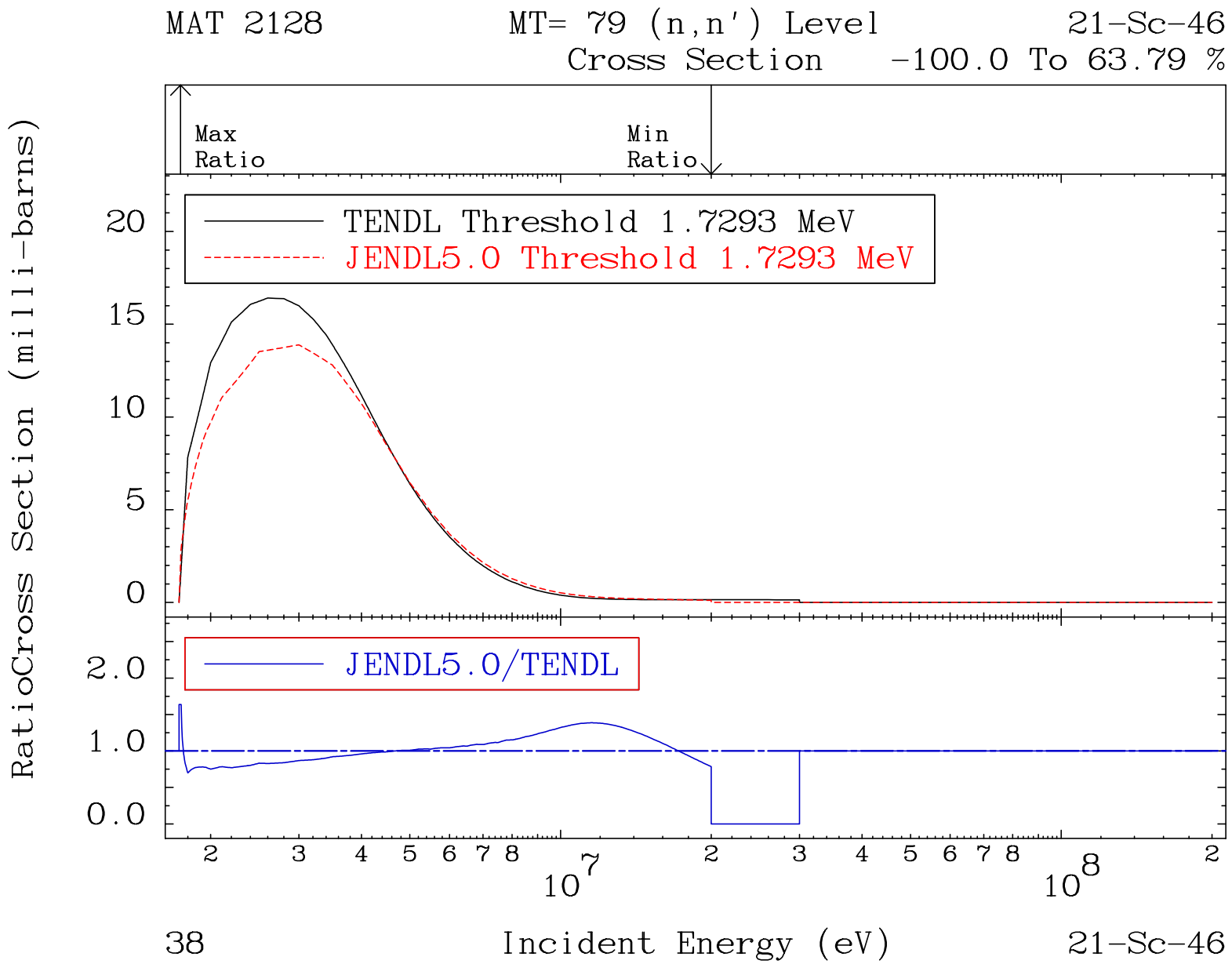

MAT 2128
MT= 74 (n,n') Level
21-Sc-46
Cross Section -100.0 To 8643. %
Max Ratio
Min Ratio
TENDL Threshold 1.4604 MeV
JENDL5.0 Threshold 1.4604 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
14
12
10
8
6
4
2
0
120
80
40
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
33
Incident Energy (eV)
21-Sc-46

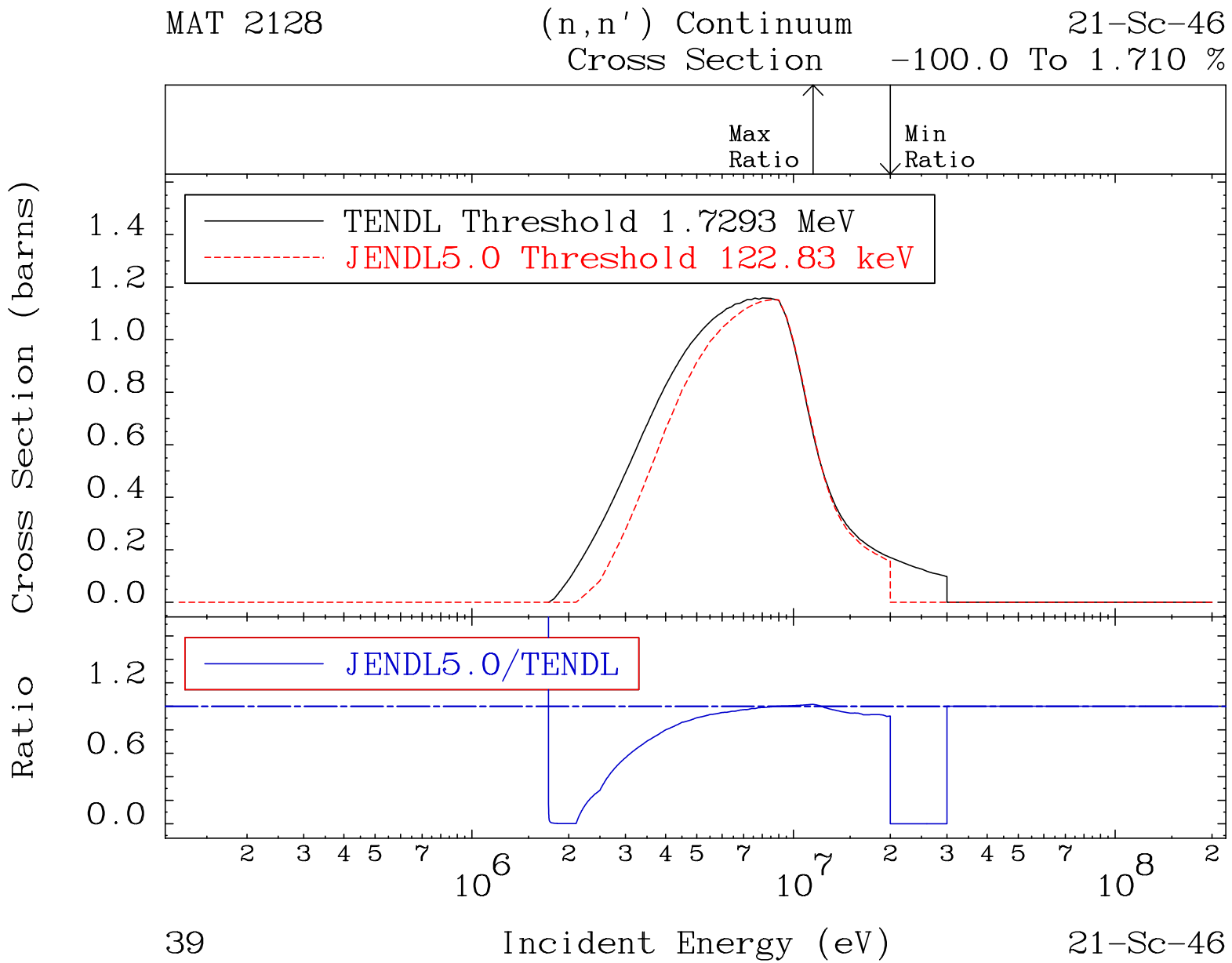

MAT 2128
MT= 75 (n,n') Level
21-Sc-46
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.4696 MeV
JENDL5.0 Threshold 1.4696 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
600
400
200
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
34
Incident Energy (eV)
21-Sc-46

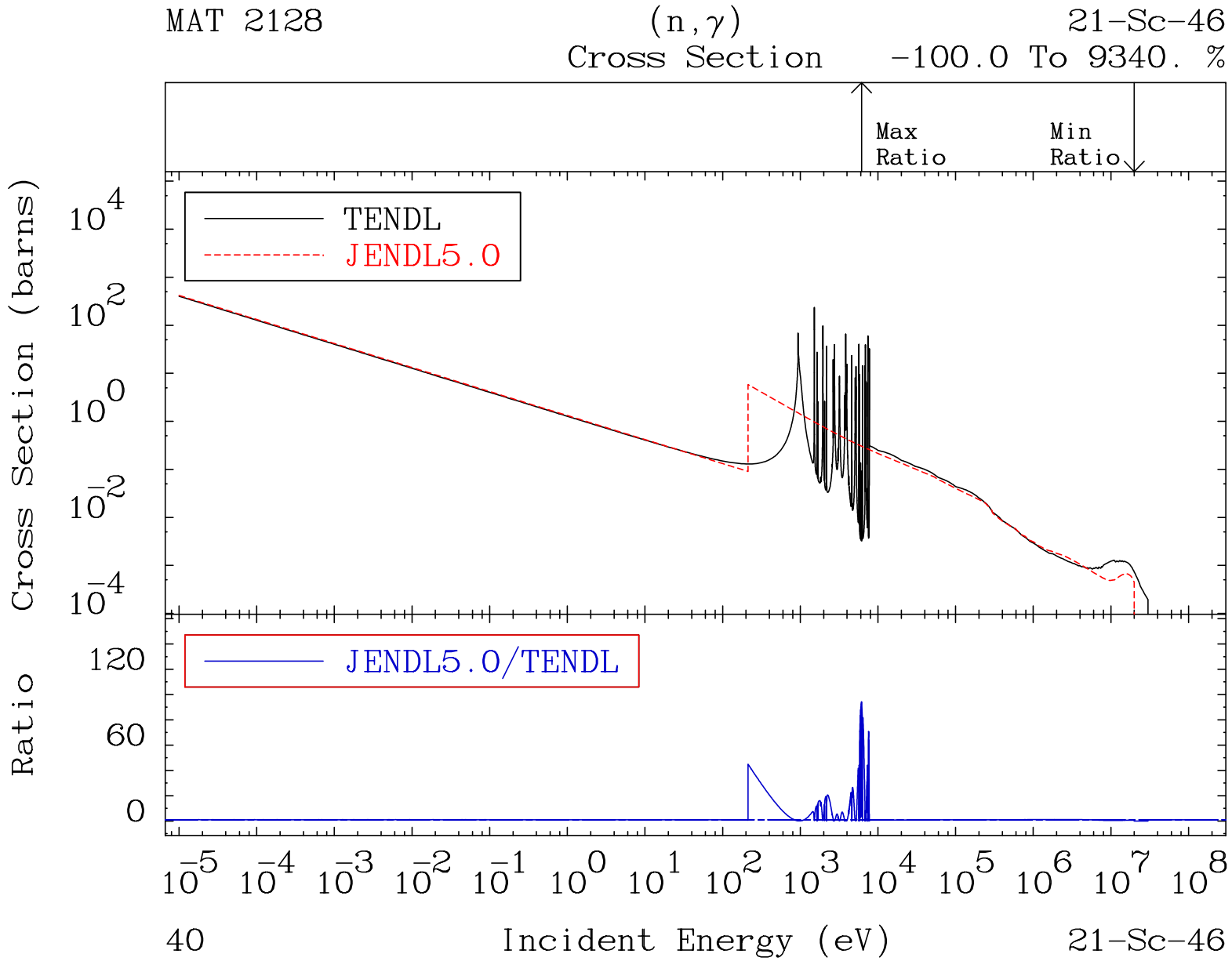

MAT 2128
MT= 76 (n,n') Level
21-Sc-46
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.5603 MeV
JENDL5.0 Threshold 1.5603 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
21-Sc-46

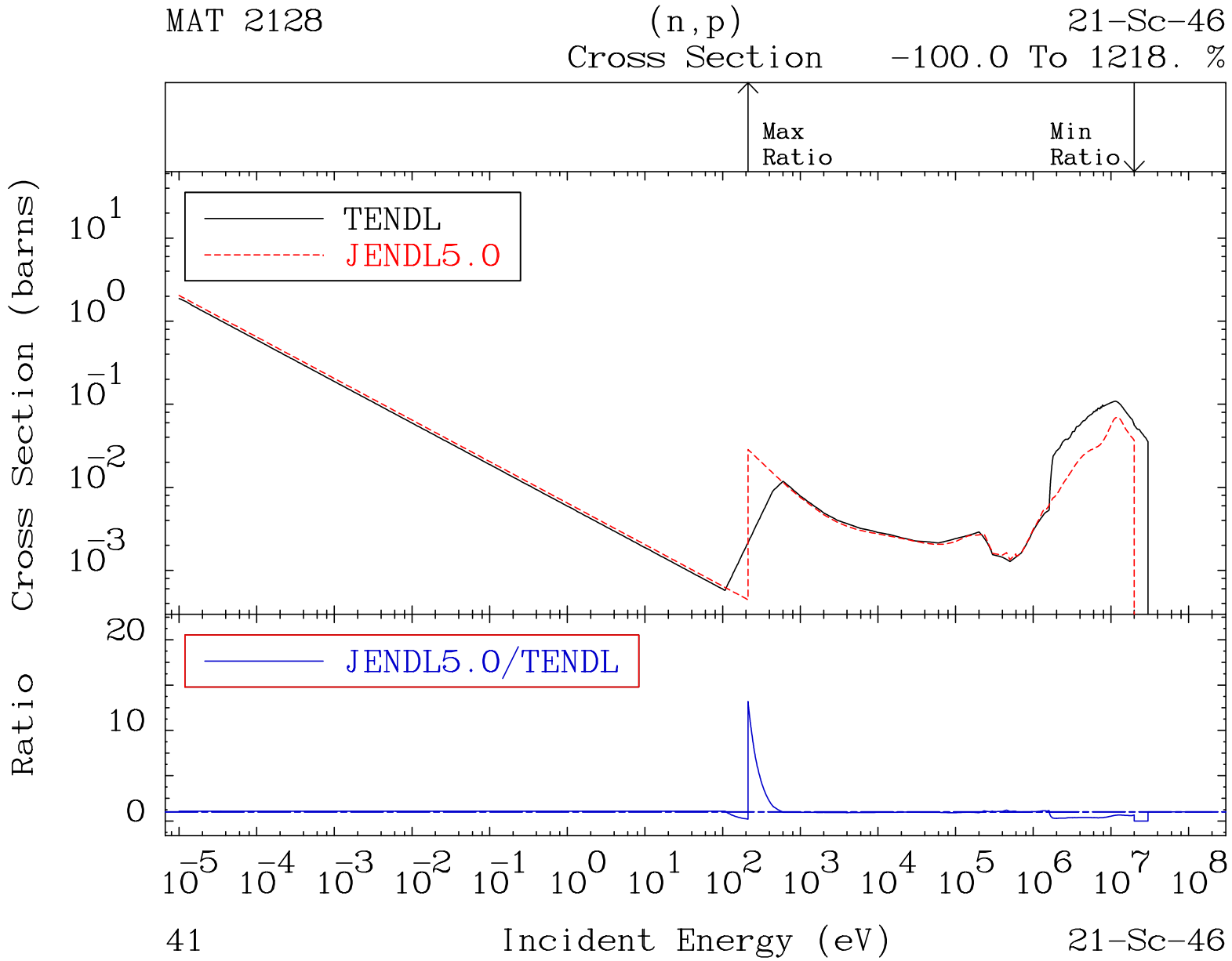

MAT 2128
MT= 77 (n,n') Level
21-Sc-46
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.6787 MeV
JENDL5.0 Threshold 1.6787 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
1.2
0.8
0.4
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
36
Incident Energy (eV)
21-Sc-46

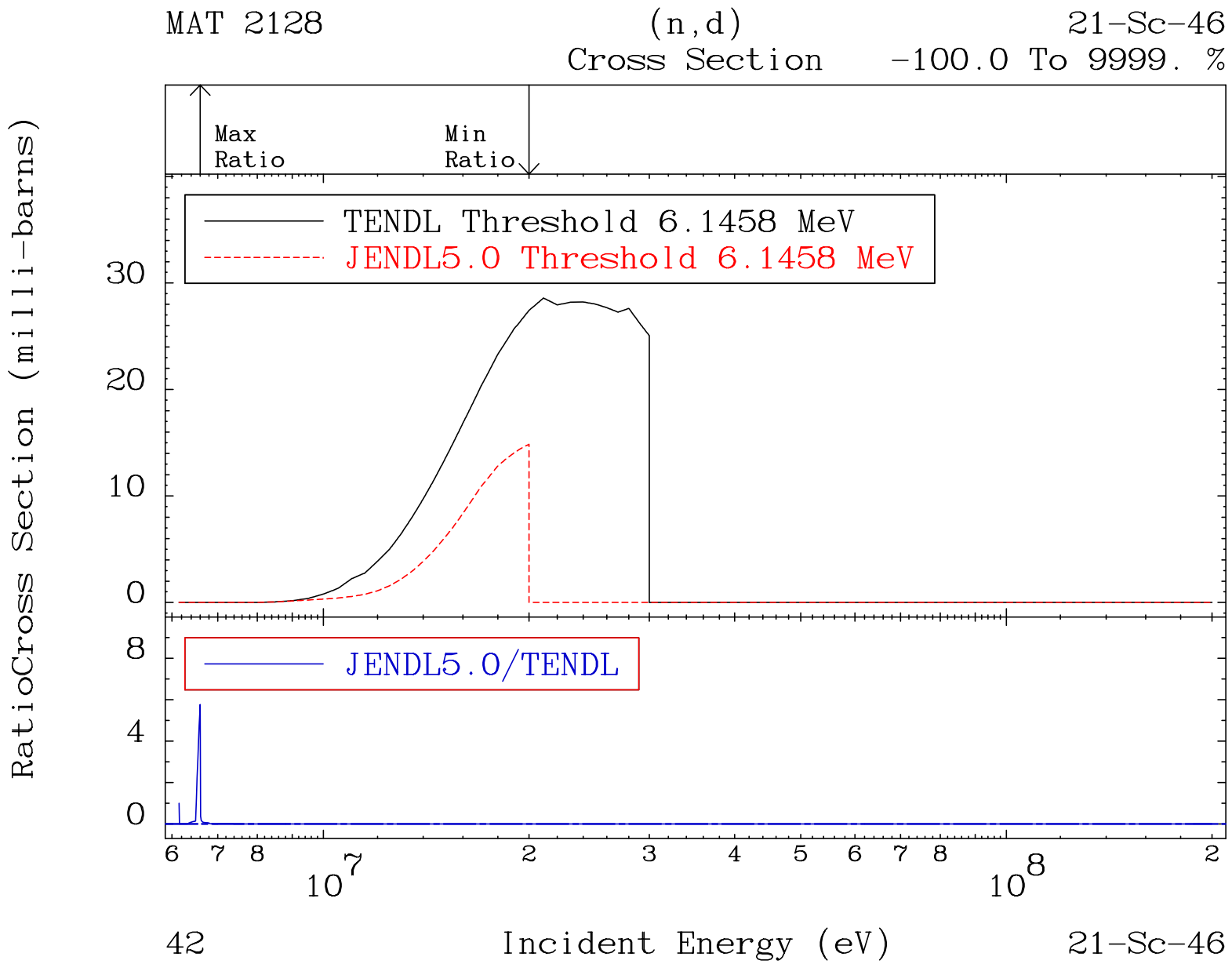

MAT 2128
MT= 78 (n,n') Level
21-Sc-46
Cross Section -100.0 To 4713. %
Max Ratio
Min Ratio
TENDL Threshold 1.7128 MeV
JENDL5.0 Threshold 1.7128 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
40
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
37
Incident Energy (eV)
21-Sc-46

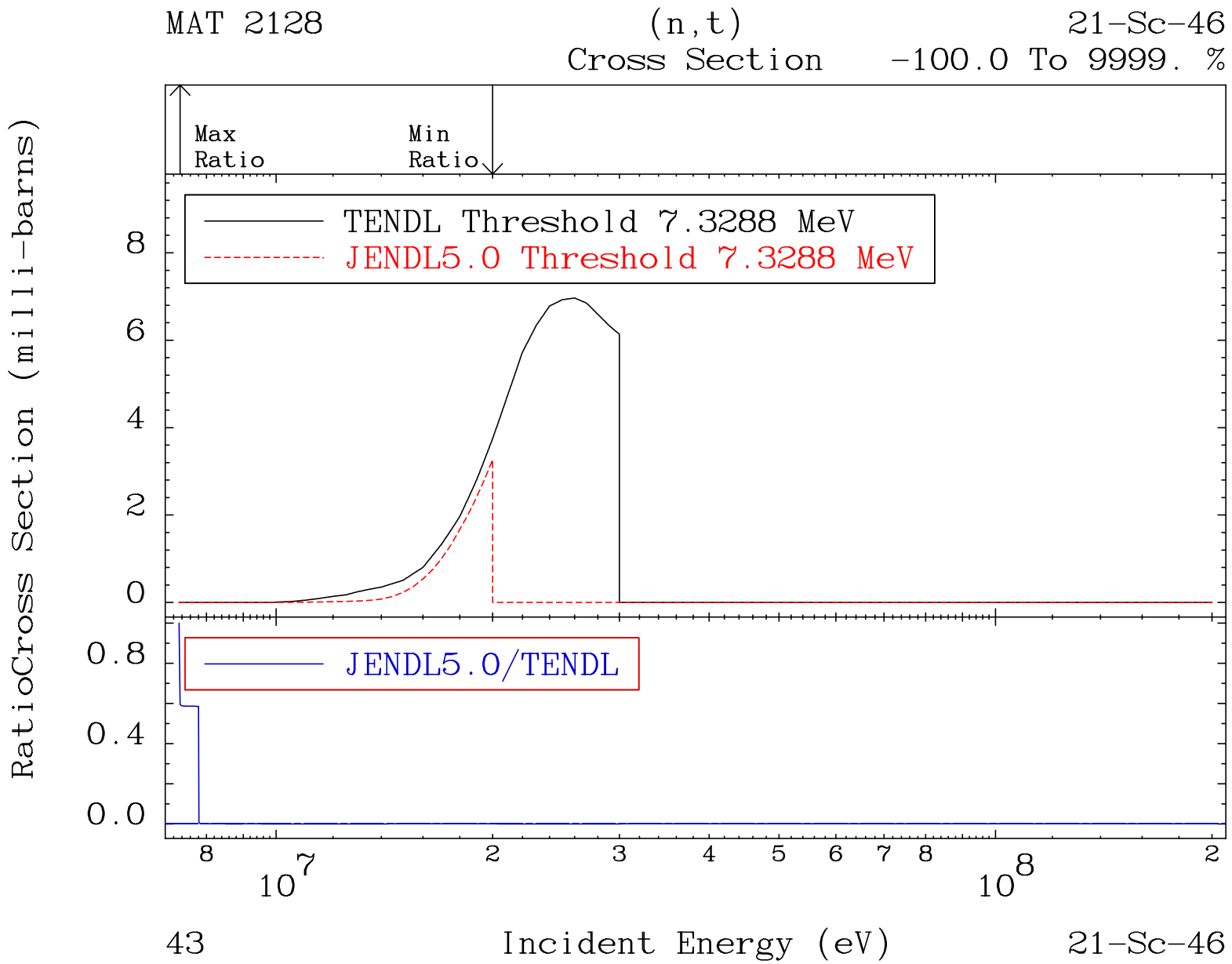

MAT 2128
MT= 79 (n,n') Level
21-Sc-46
Cross Section -100.0 To 63.79 %
Max Ratio
Min Ratio
TENDL Threshold 1.7293 MeV
JENDL5.0 Threshold 1.7293 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
38
Incident Energy (eV)
21-Sc-46

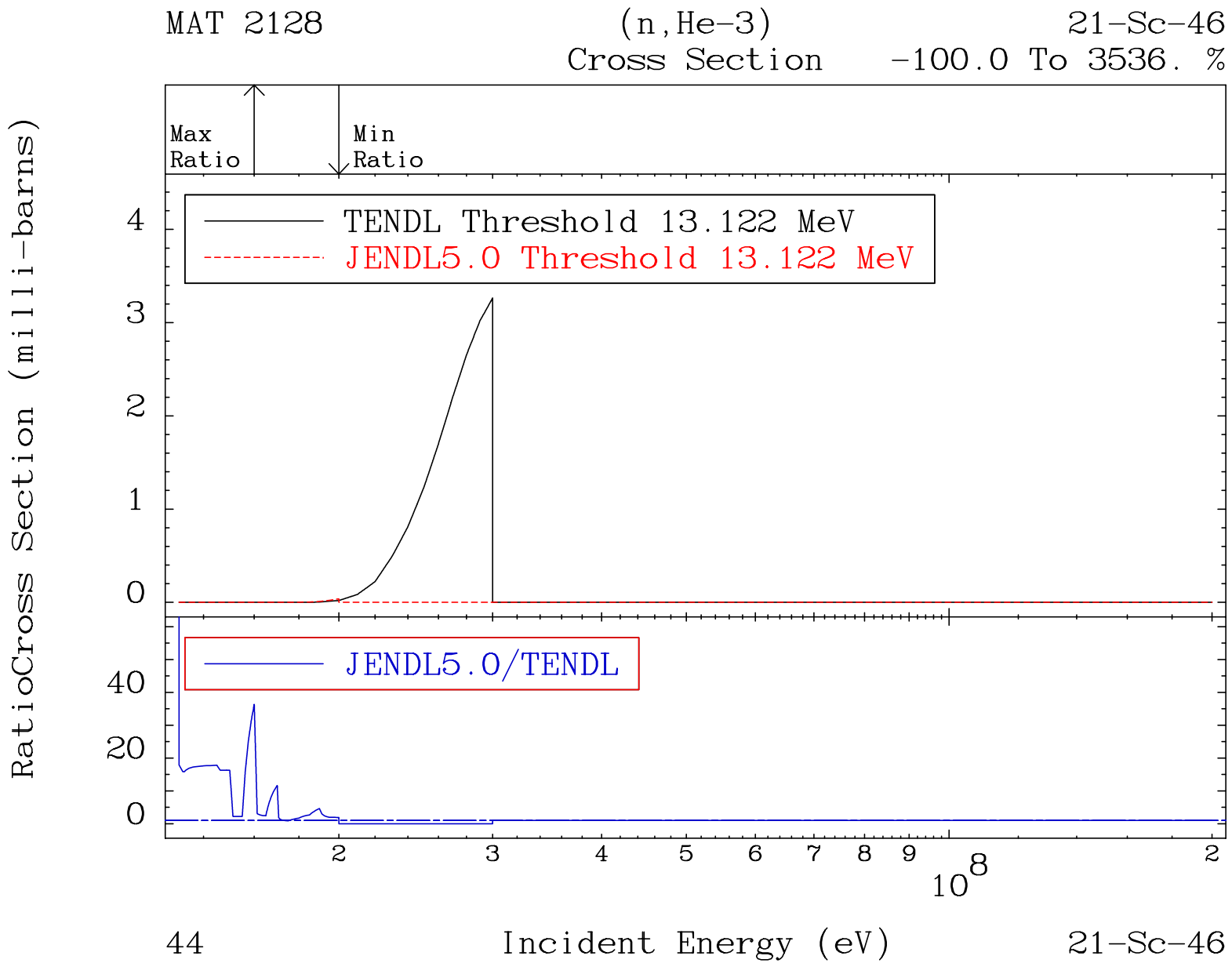

MAT 2128
(n,n') Continuum
Cross Section
21-Sc-46
-100.0 To 1.710 %
Max Ratio
Min Ratio
TENDL Threshold 1.7293 MeV
JENDL5.0 Threshold 122.83 keV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
1.2
0.6
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
39
Incident Energy (eV)
21-Sc-46

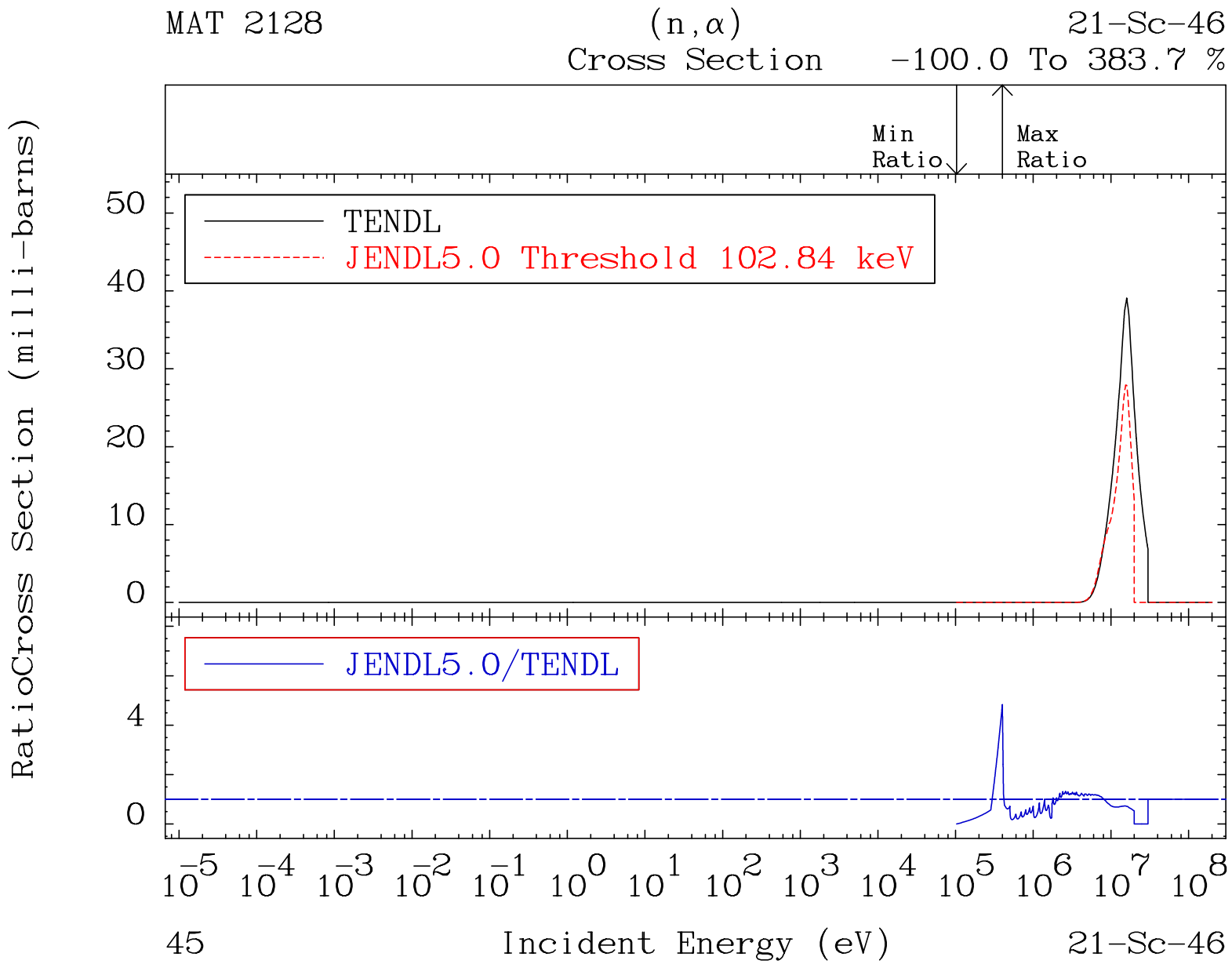

MAT 2128
(n,γ)
Cross Section
21-Sc-46
-100.0 To 9340. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
40
21-Sc-46

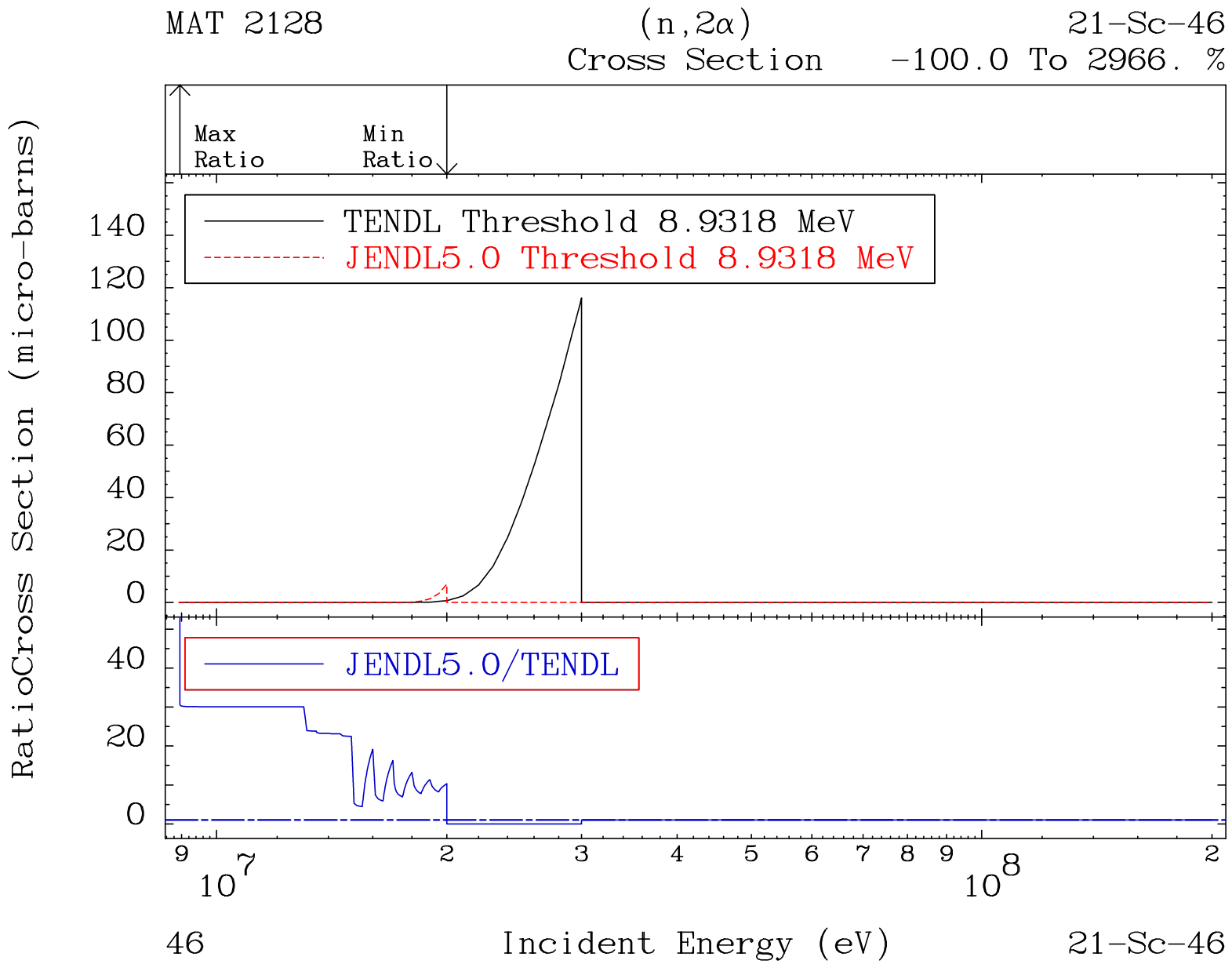

MAT 2128
(n,p)
21-Sc-46
Cross Section
-100.0 To 1218. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
41
21-Sc-46

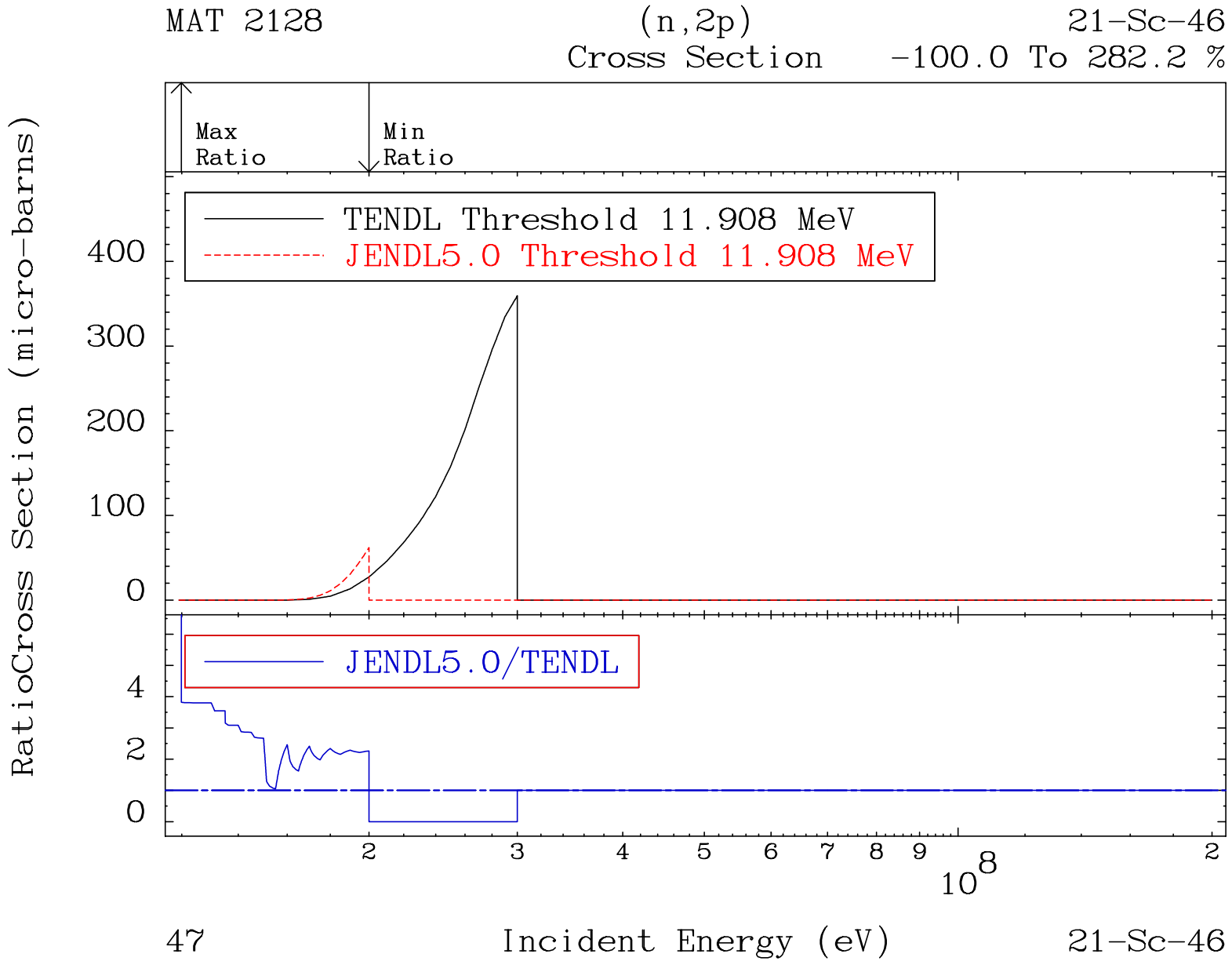

MAT 2128
(n,d)
21-Sc-46
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.1458 MeV
JENDL5.0 Threshold 6.1458 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
20
10
0
8
4
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
42
Incident Energy (eV)
21-Sc-46

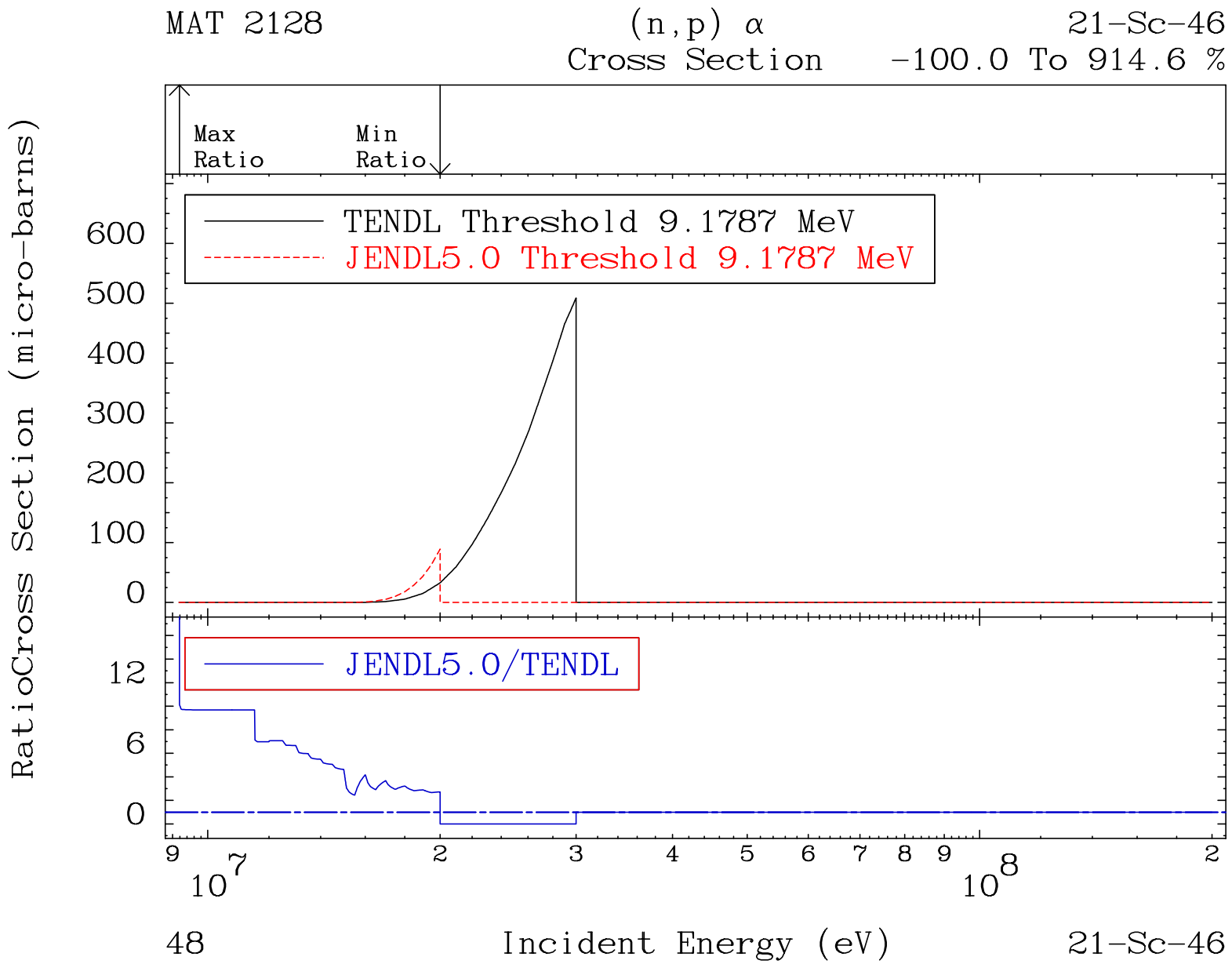

MAT 2128
(n,t)
21-Sc-46
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 7.3288 MeV
JENDL5.0 Threshold 7.3288 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
0
2
4
6
8
0.0
0.4
0.8
8
10^7
2
3
4
5
6
7
8
10^8
2
43
Incident Energy (eV)
21-Sc-46

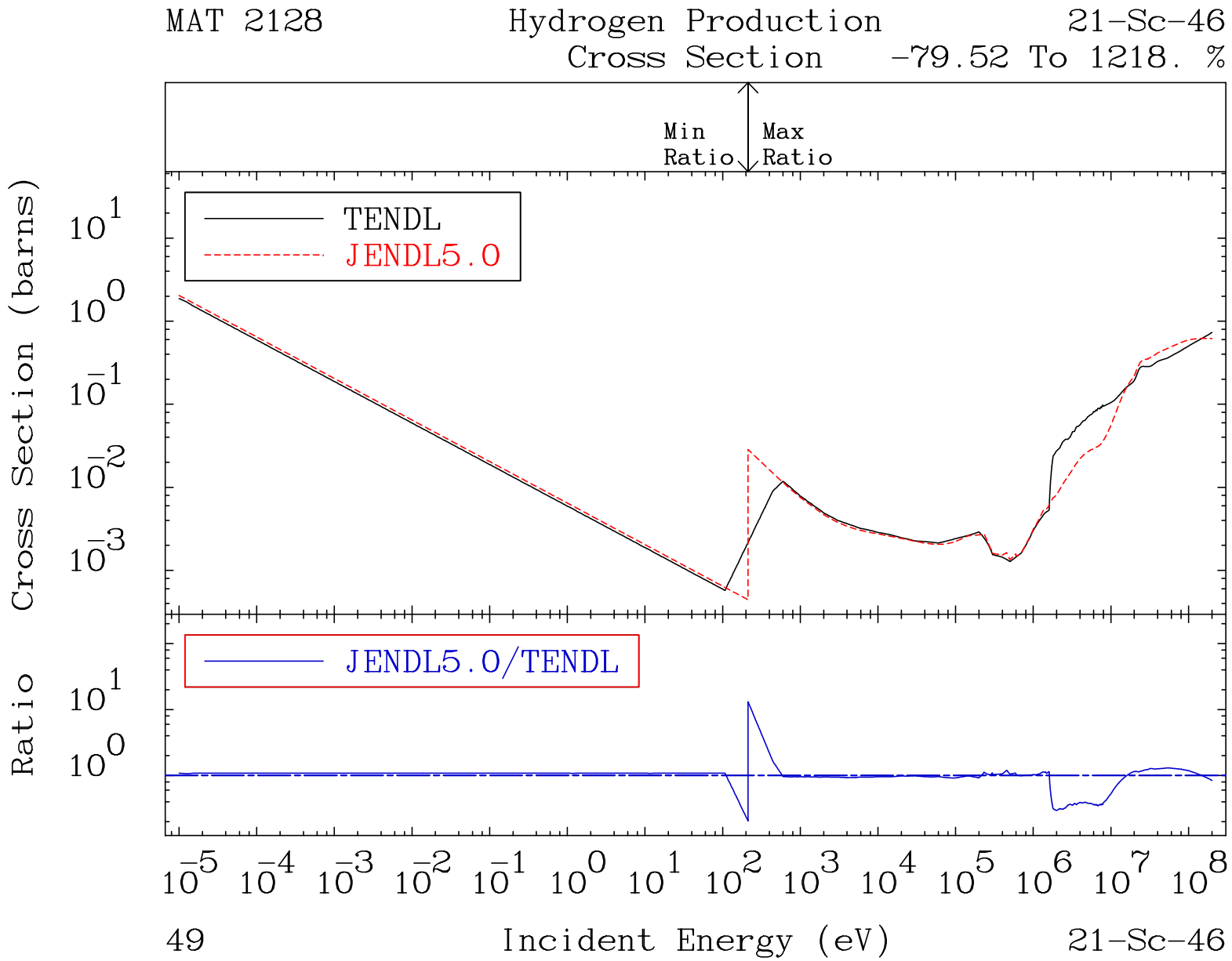

MAT 2128
(n,He-3)
21-Sc-46
Cross Section
-100.0 To 3536. %
Max Ratio
Min Ratio
TENDL Threshold 13.122 MeV
JENDL5.0 Threshold 13.122 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
4
3
2
1
0
40
20
0
2
3
4
5
6
7
8
9
10^8
2
44
Incident Energy (eV)
21-Sc-46

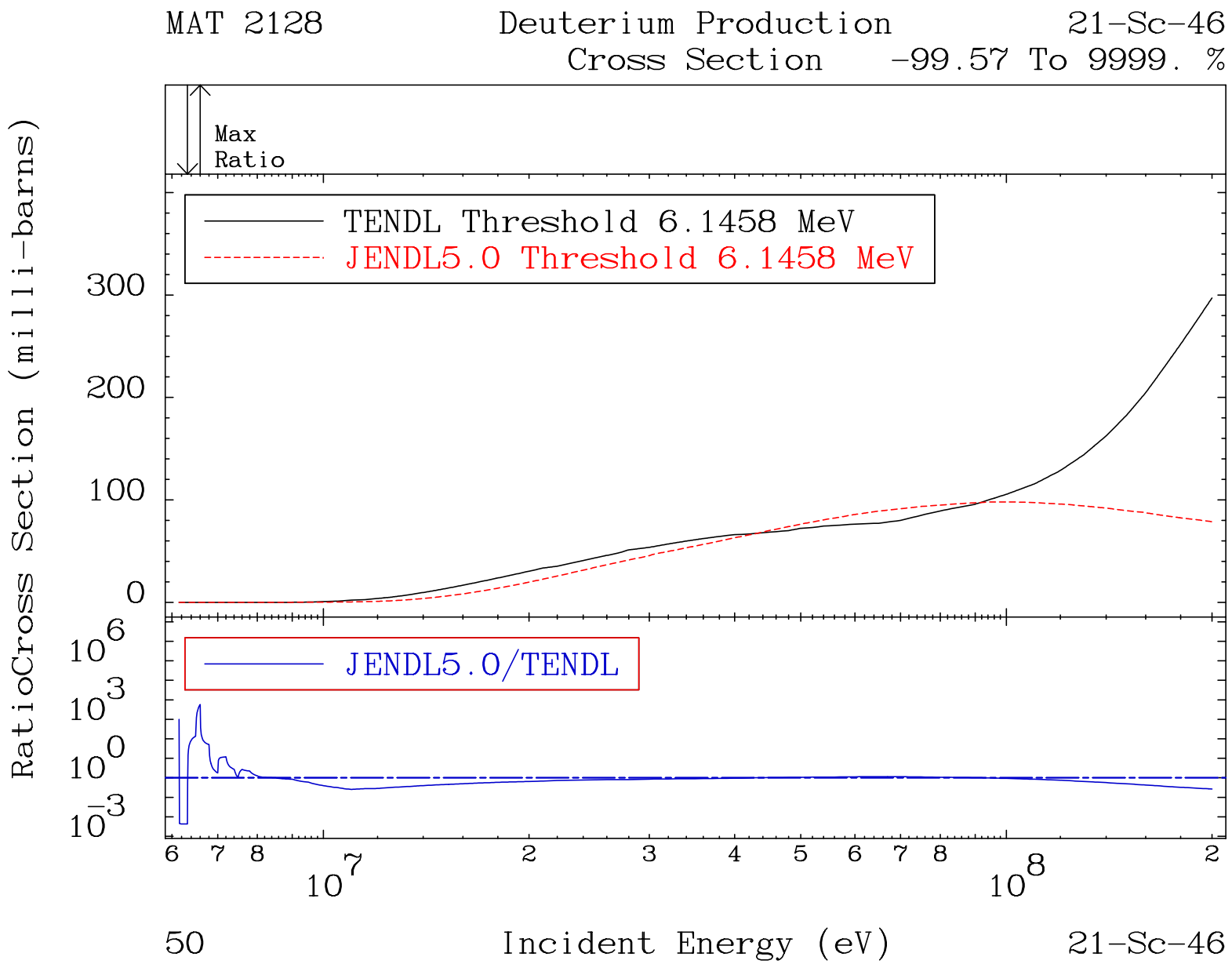

MAT 2128
(n,α)
Cross Section
21-Sc-46
-100.0 To 383.7 %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 102.84 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
4
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
45
Incident Energy (eV)
21-Sc-46

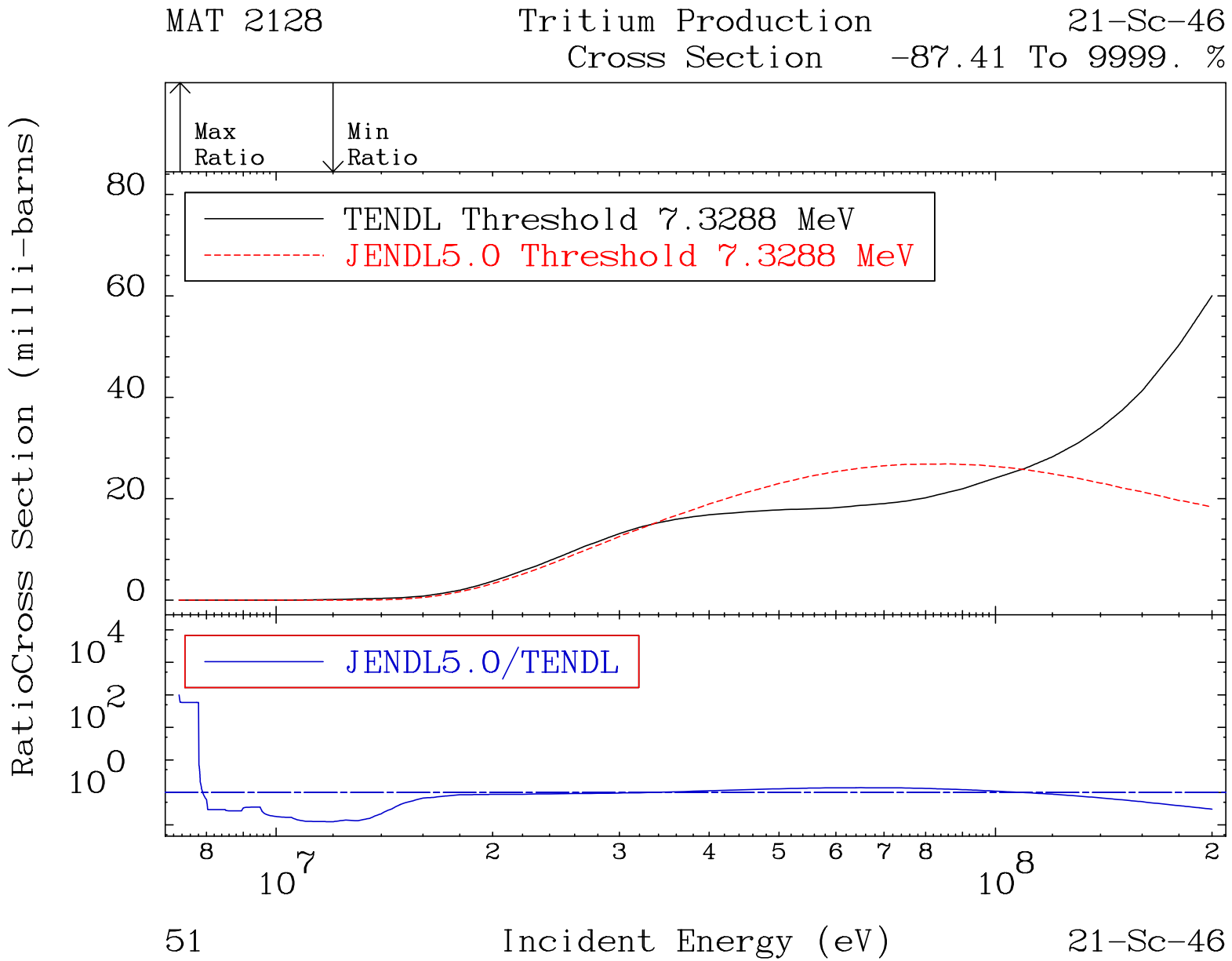

MAT 2128
(n,2α)
21-Sc-46
Cross Section
-100.0 To 2966. %
Max Ratio
Min Ratio
TENDL Threshold 8.9318 MeV
JENDL5.0 Threshold 8.9318 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
140
120
100
80
60
40
20
0
40
20
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
46
Incident Energy (eV)
21-Sc-46

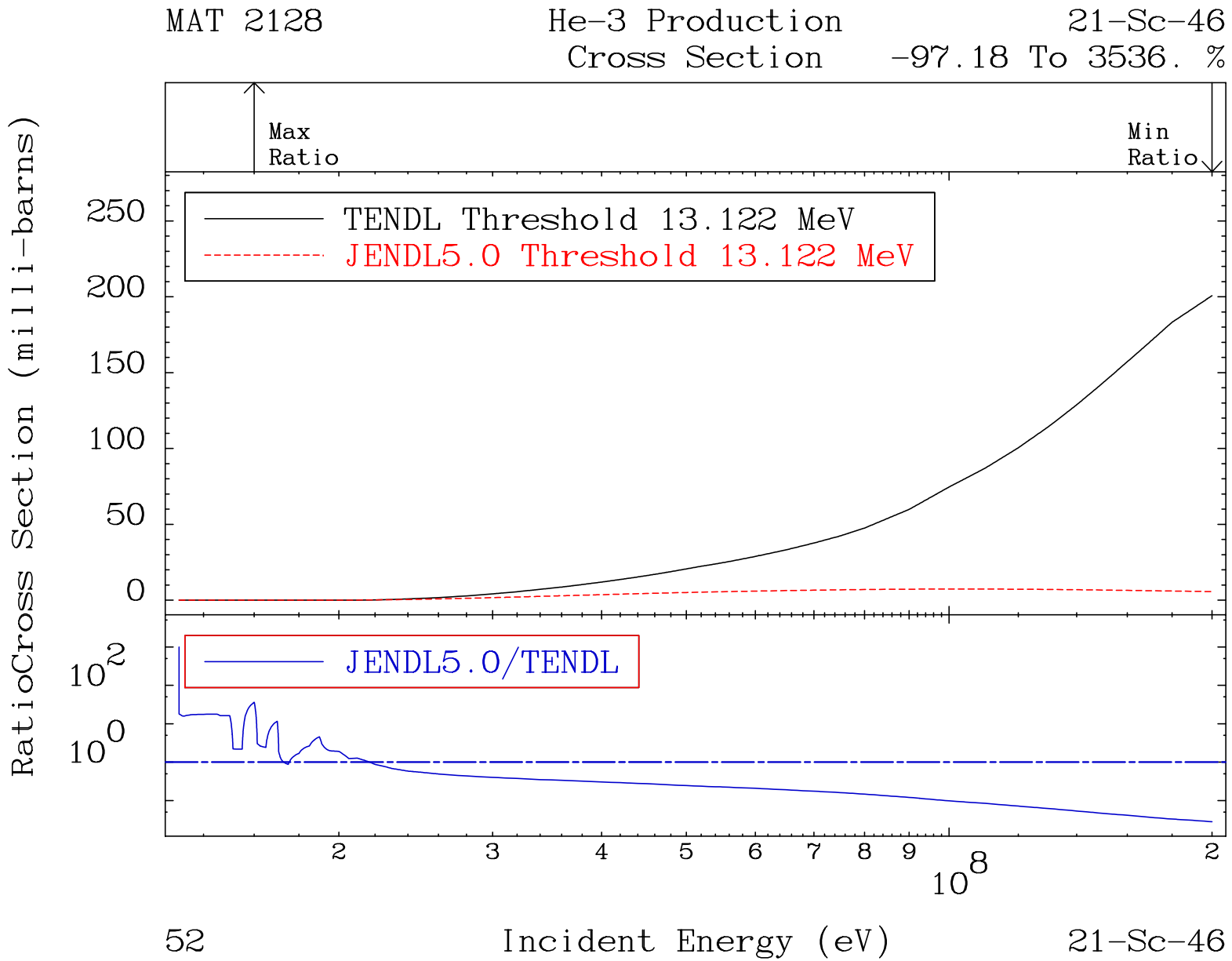

MAT 2128
(n,2p)
Cross Section
21-Sc-46
-100.0 To 282.2 %
Max Ratio
Min Ratio
TENDL Threshold 11.908 MeV
JENDL5.0 Threshold 11.908 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
400
300
200
100
0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
47
Incident Energy (eV)
21-Sc-46

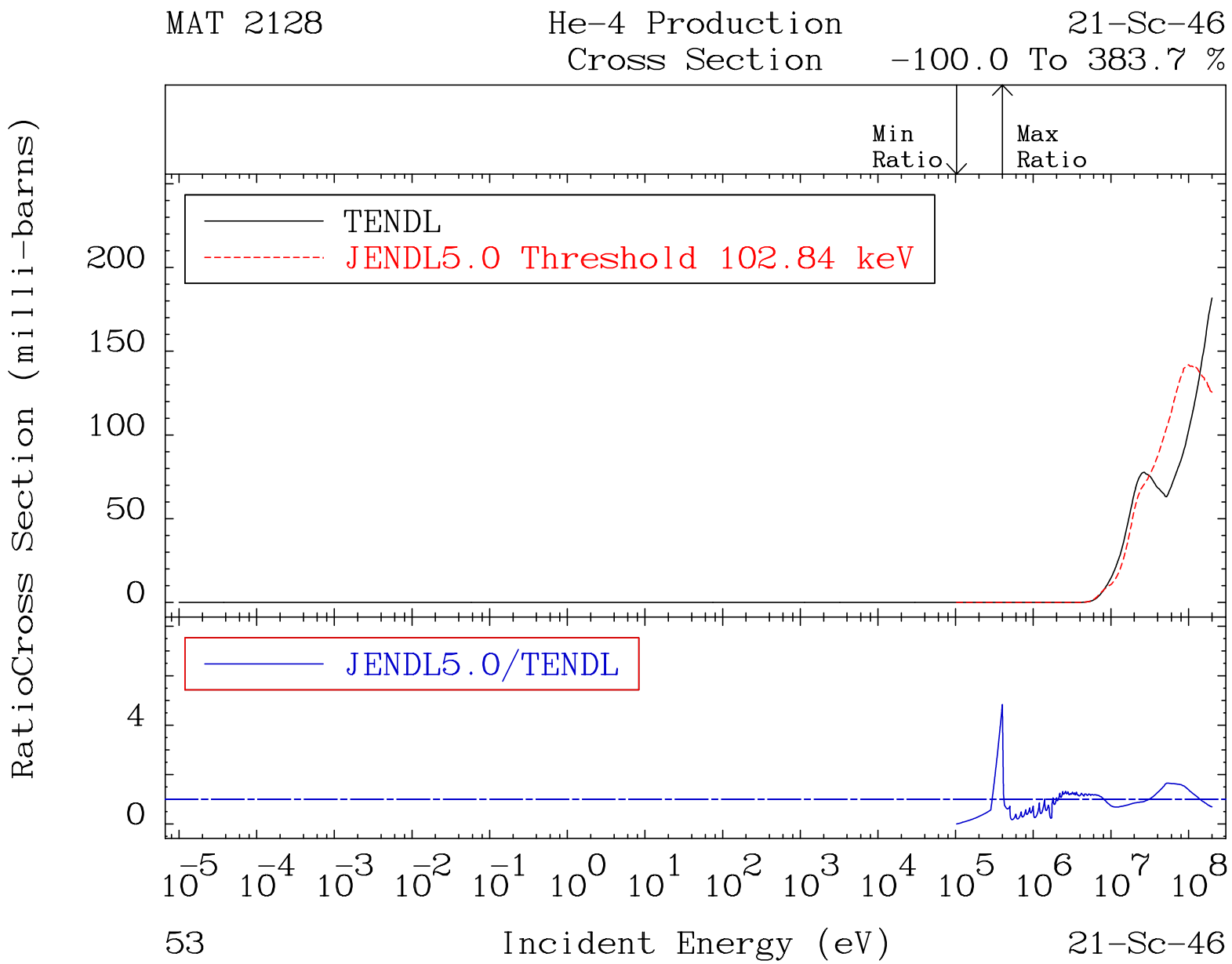

MAT 2128
(n,p) α
Cross Section
21-Sc-46
-100.0 To 914.6 %
Max Ratio
Min Ratio
TENDL Threshold 9.1787 MeV
JENDL5.0 Threshold 9.1787 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
600
500
400
300
200
100
0
12
6
0
9
2
3
4
5
6
7
8
9
2
10^7
10^8
48
Incident Energy (eV)
21-Sc-46

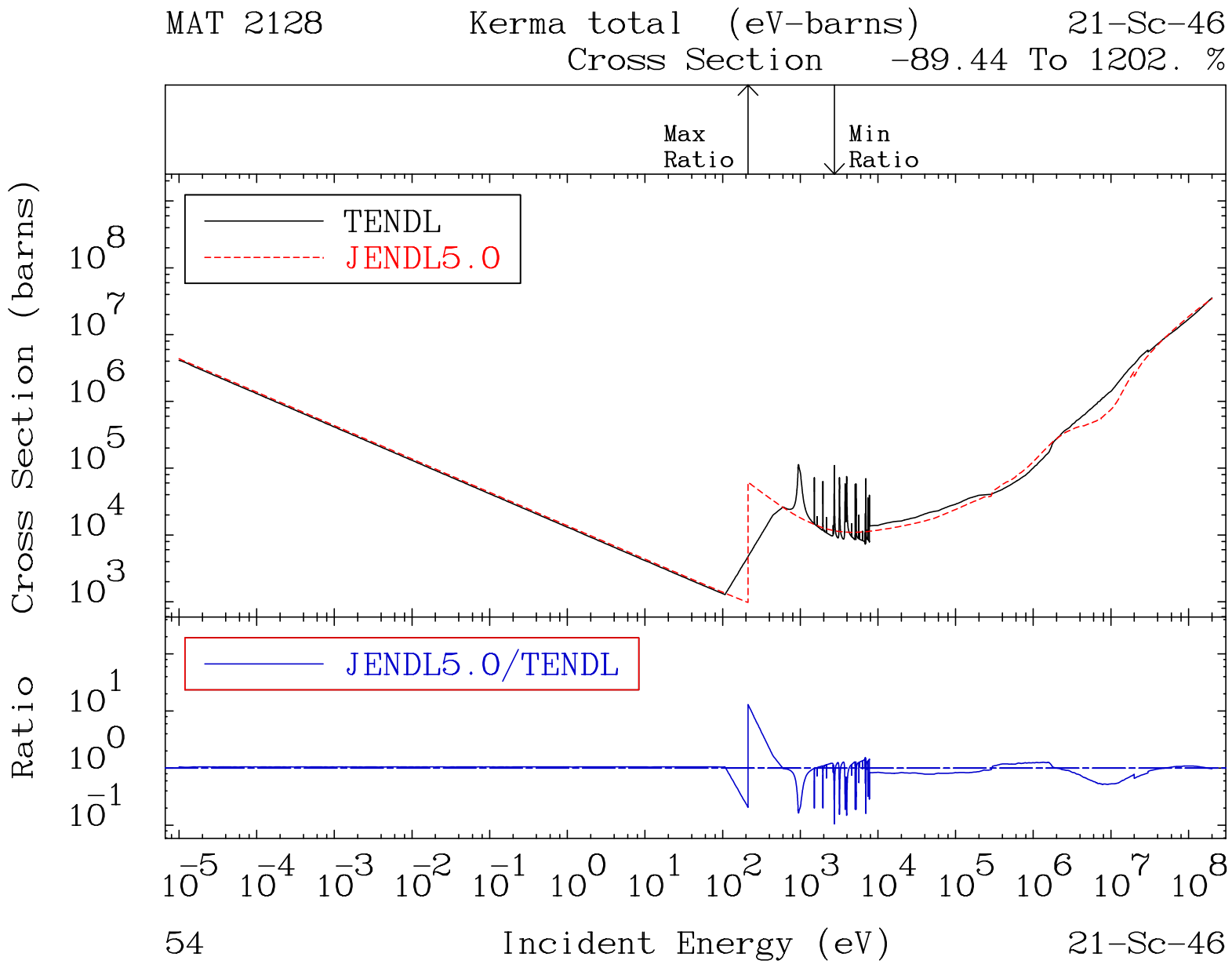

MAT 2128
Hydrogen Production
21-Sc-46
Cross Section
-79.52 To 1218. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
49
21-Sc-46

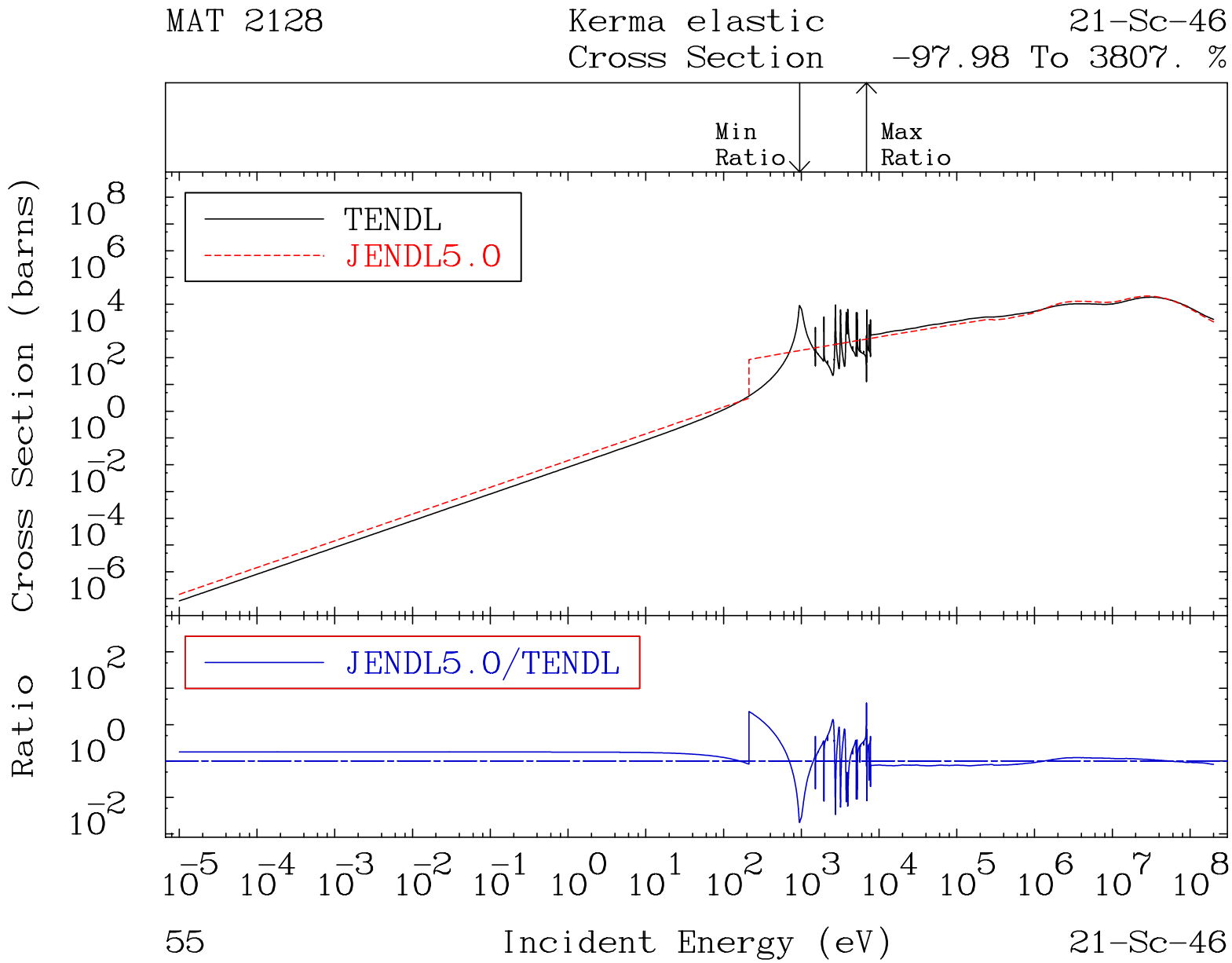

MAT 2128
Deuterium Production
21-Sc-46
Cross Section -99.57 To 9999. %
Max
Ratio
TENDL Threshold 6.1458 MeV
JENDL5.0 Threshold 6.1458 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
200
100
0
10^6
10^3
10^0
10^-3
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
50
Incident Energy (eV)
21-Sc-46

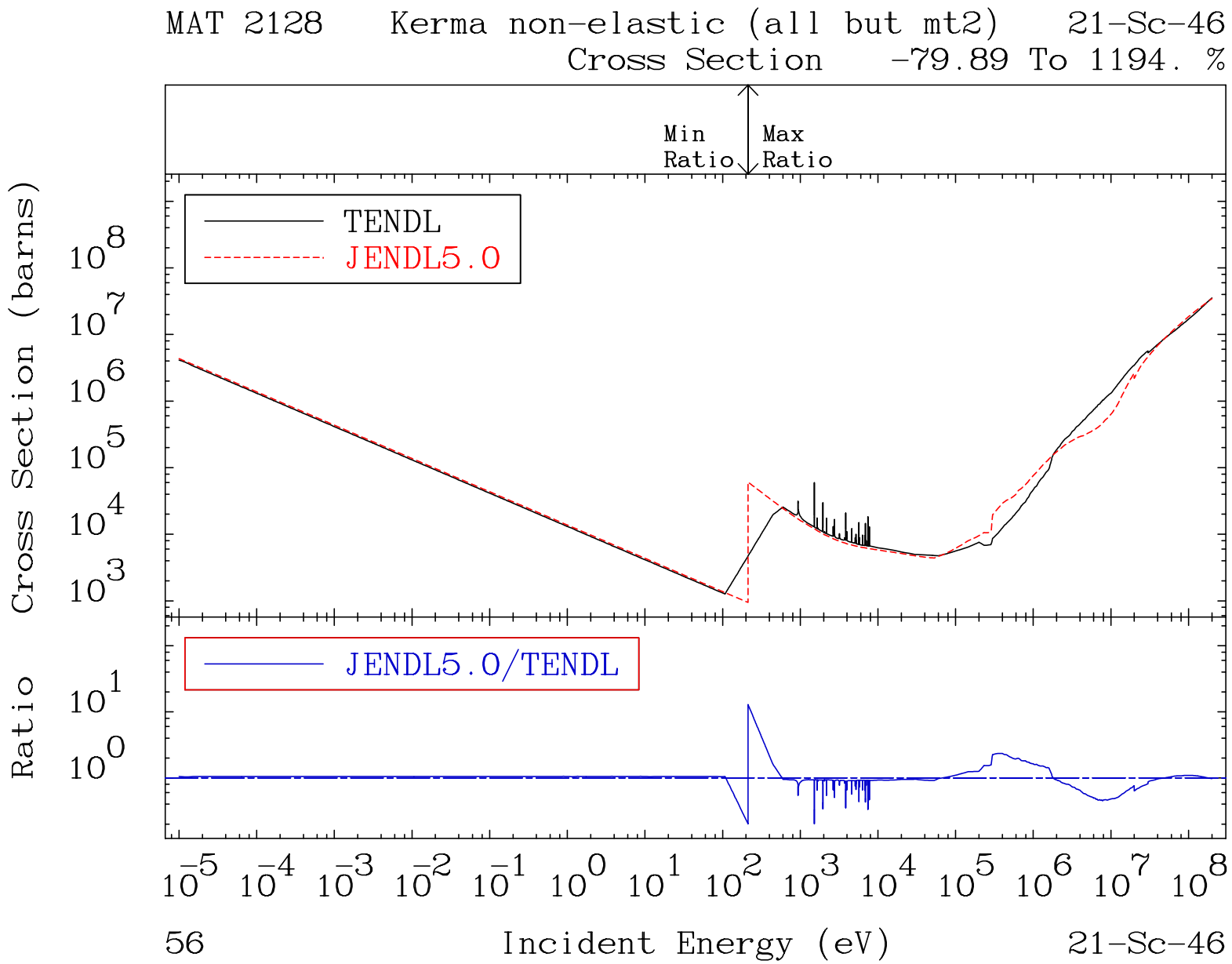

MAT 2128
Tritium Production
21-Sc-46
Cross Section
-87.41 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 7.3288 MeV
JENDL5.0 Threshold 7.3288 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
10^4
10^2
10^0
8
10^7
2
3
4
5
6
7
8
10^8
2
51
Incident Energy (eV)
21-Sc-46

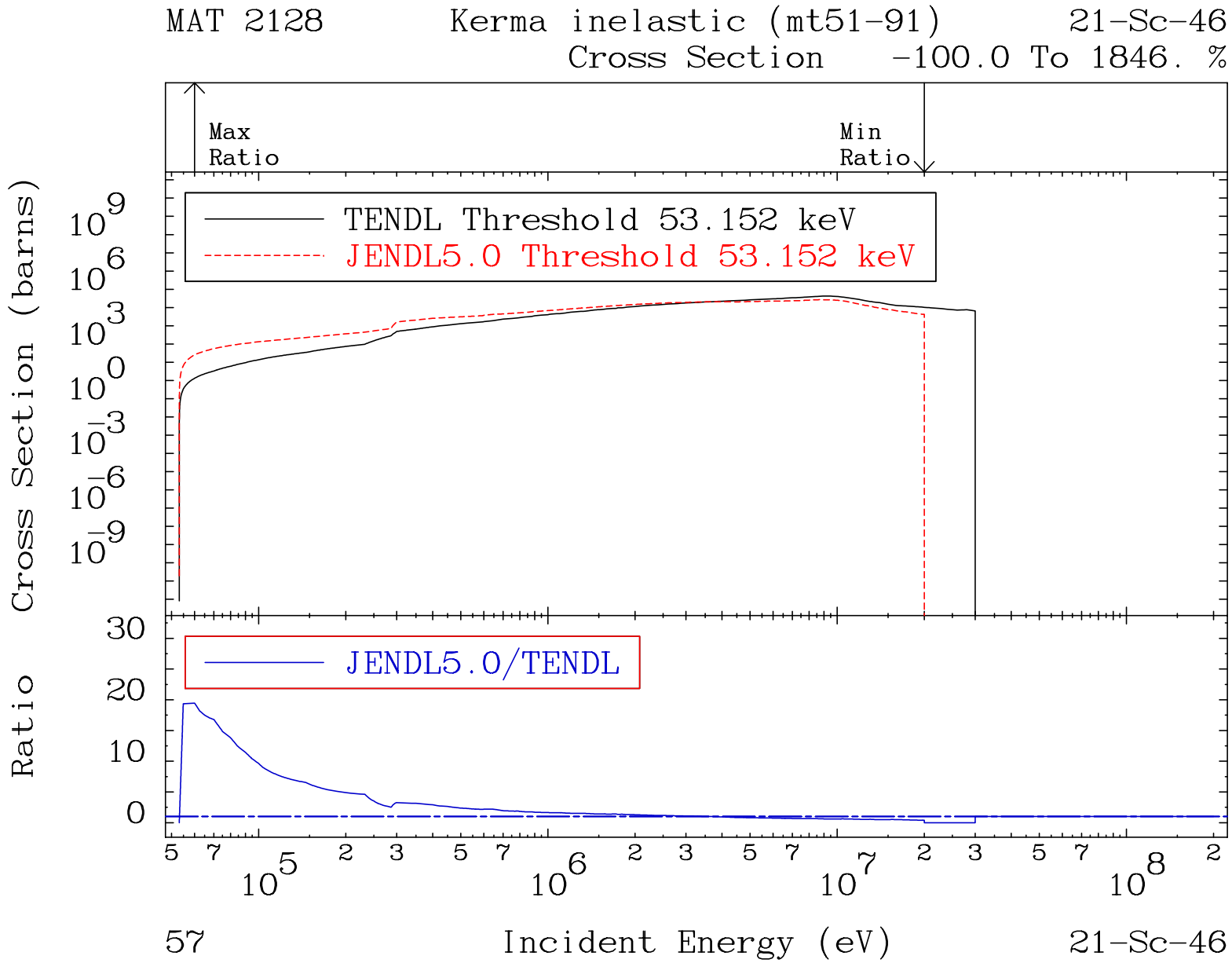

MAT 2128
He-3 Production
Cross Section
21-Sc-46
-97.18 To 3536. %
Max Ratio
Min Ratio
TENDL Threshold 13.122 MeV
JENDL5.0 Threshold 13.122 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
52
Incident Energy (eV)
21-Sc-46

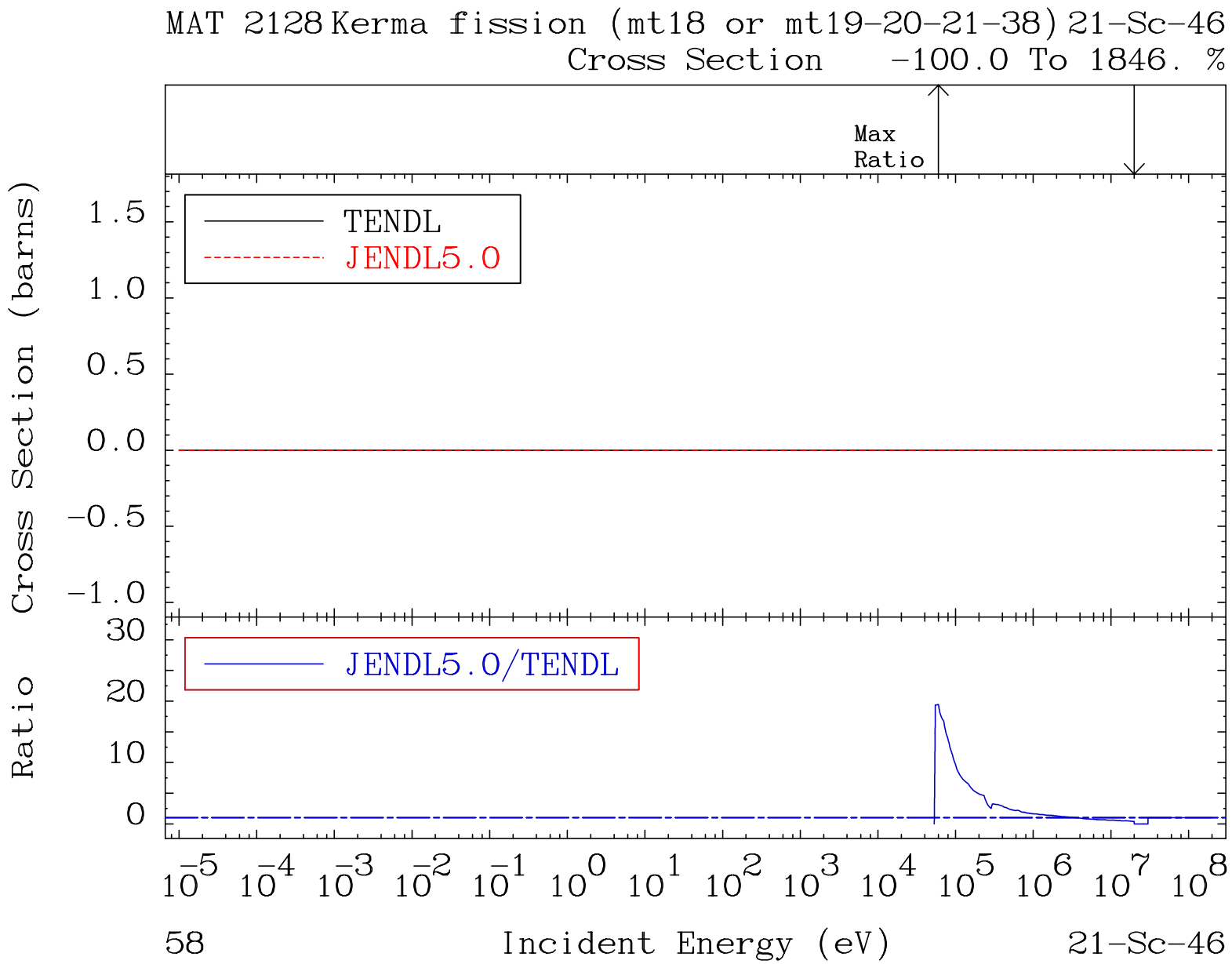

MAT 2128
He-4 Production
Cross Section
21-Sc-46
-100.0 To 383.7 %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 102.84 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
4
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
53
Incident Energy (eV)
21-Sc-46

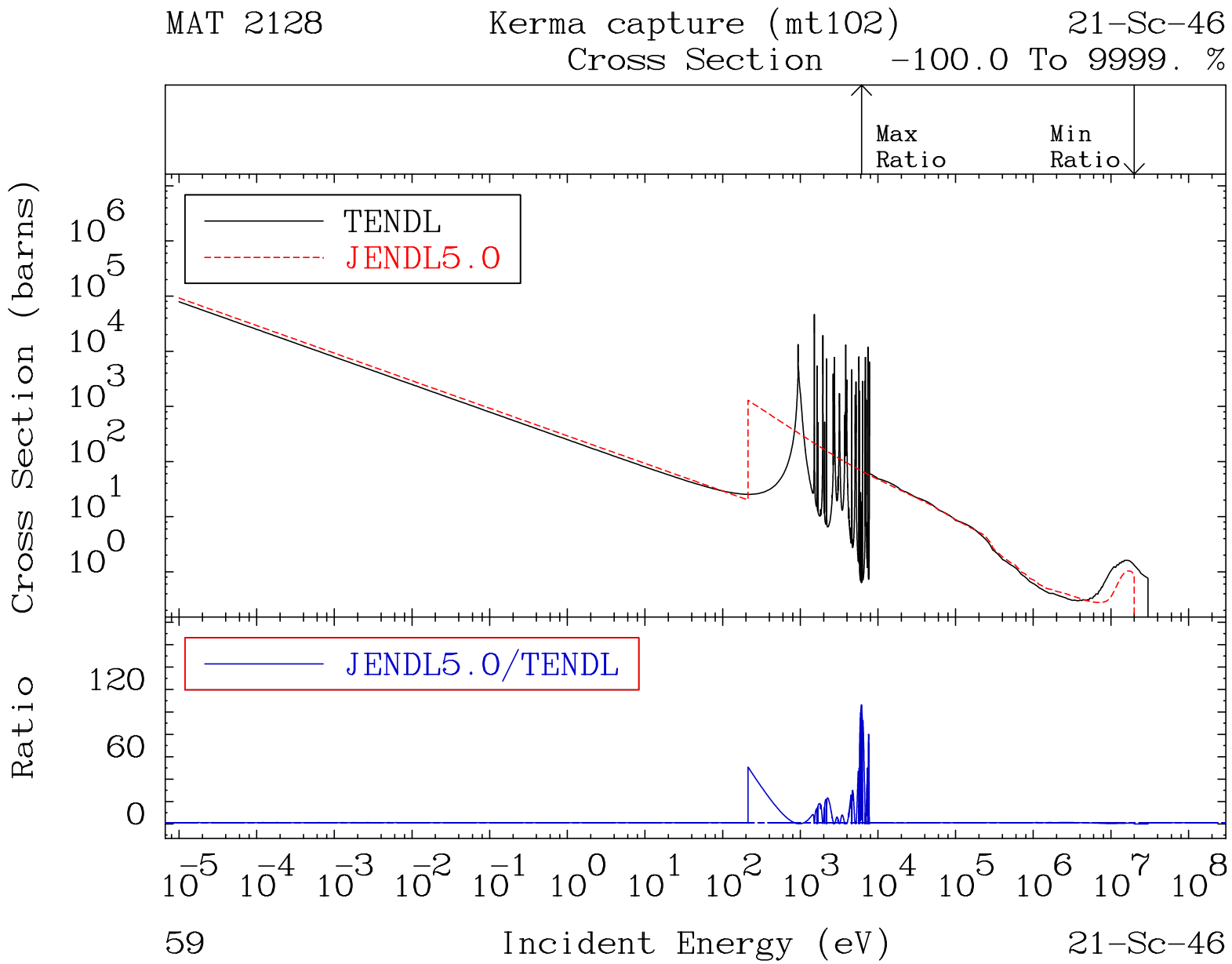

MAT 2128
Kerma total (eV-barns)
21-Sc-46
Cross Section -89.44 To 1202. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
54
21-Sc-46

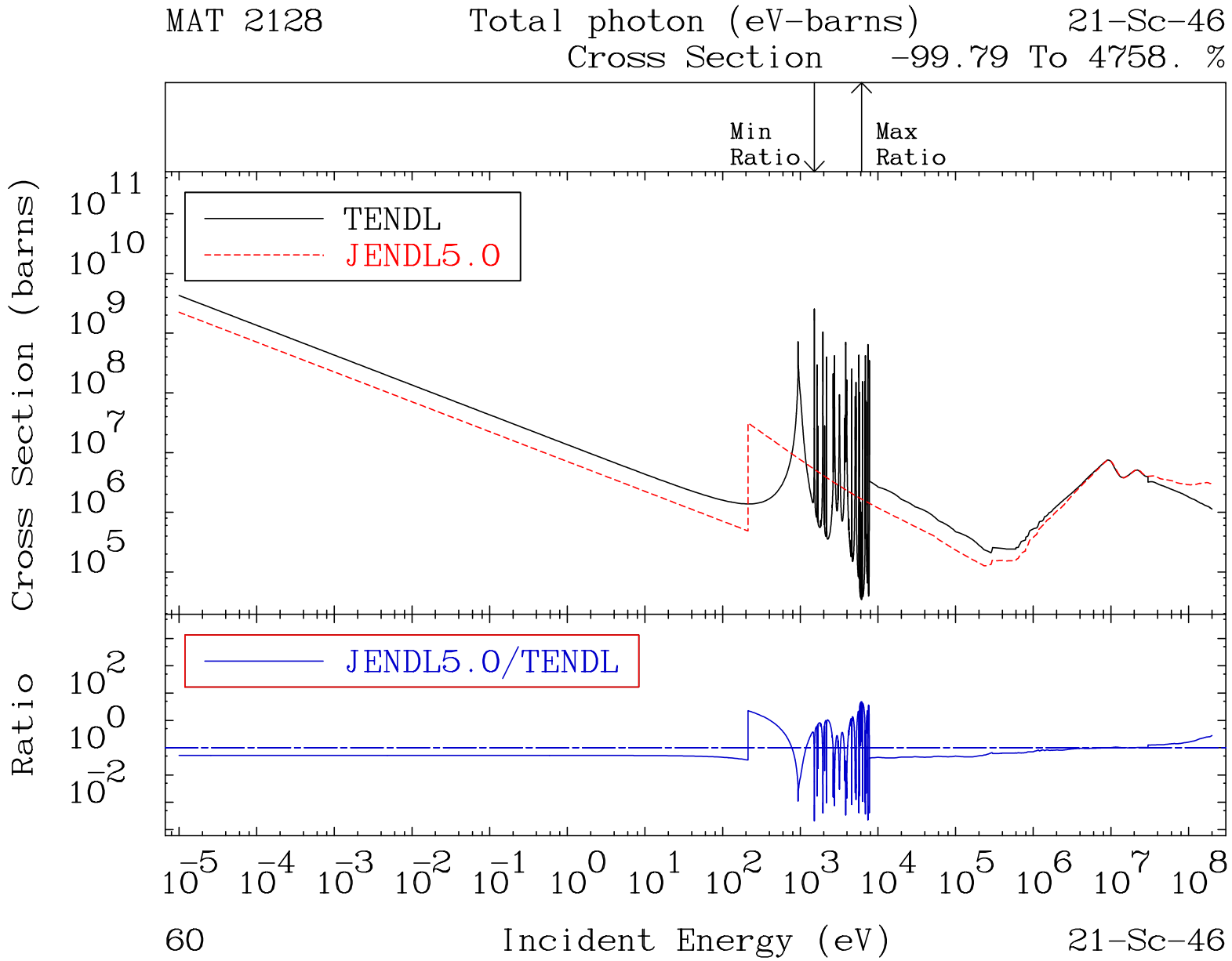

MAT 2128
Kerma elastic
Cross Section
21-Sc-46
-97.98 To 3807. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
21-Sc-46

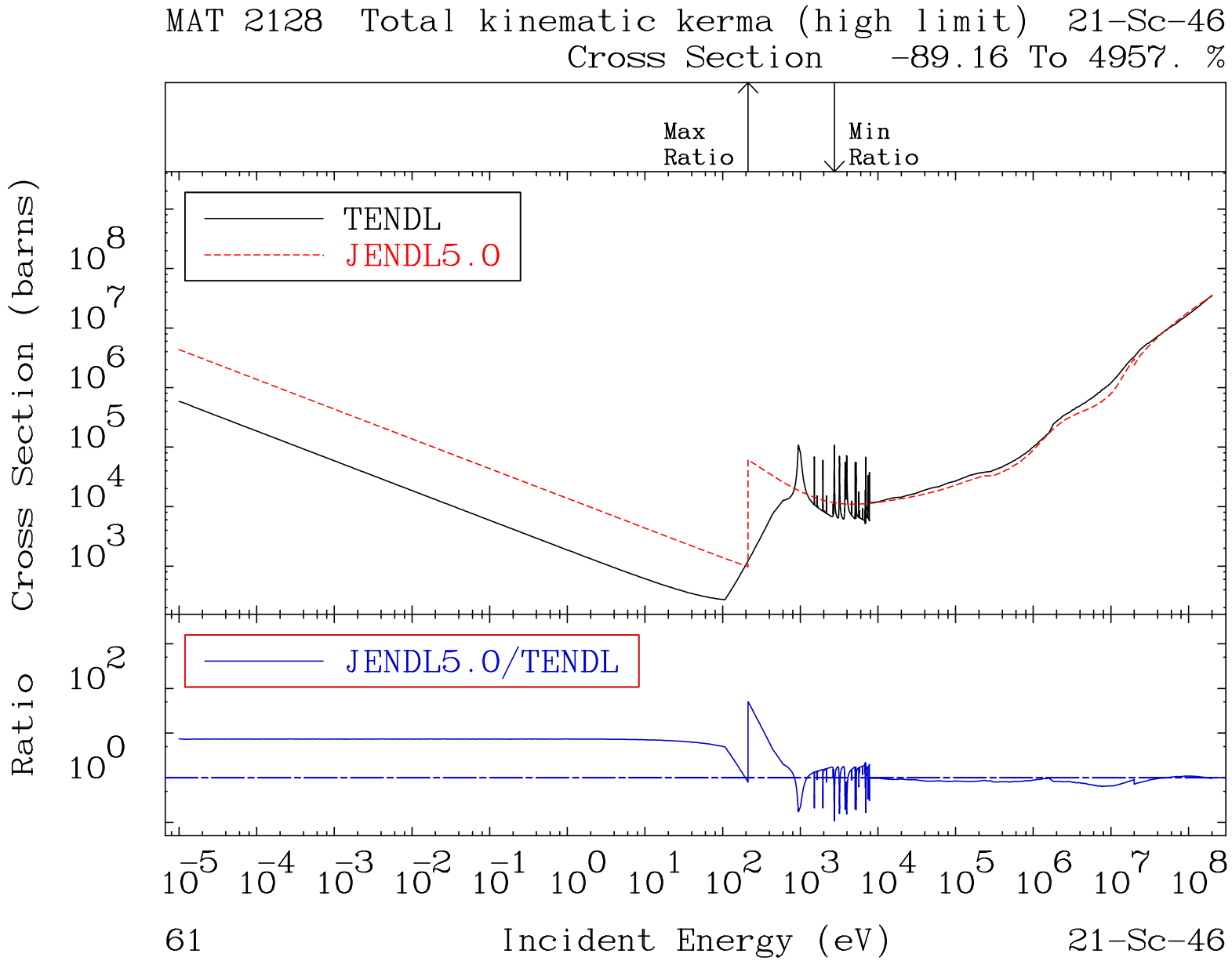

MAT 2128 Kerma non-elastic (all but mt2) 21-Sc-46
Cross Section -79.89 To 1194. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
56
21-Sc-46

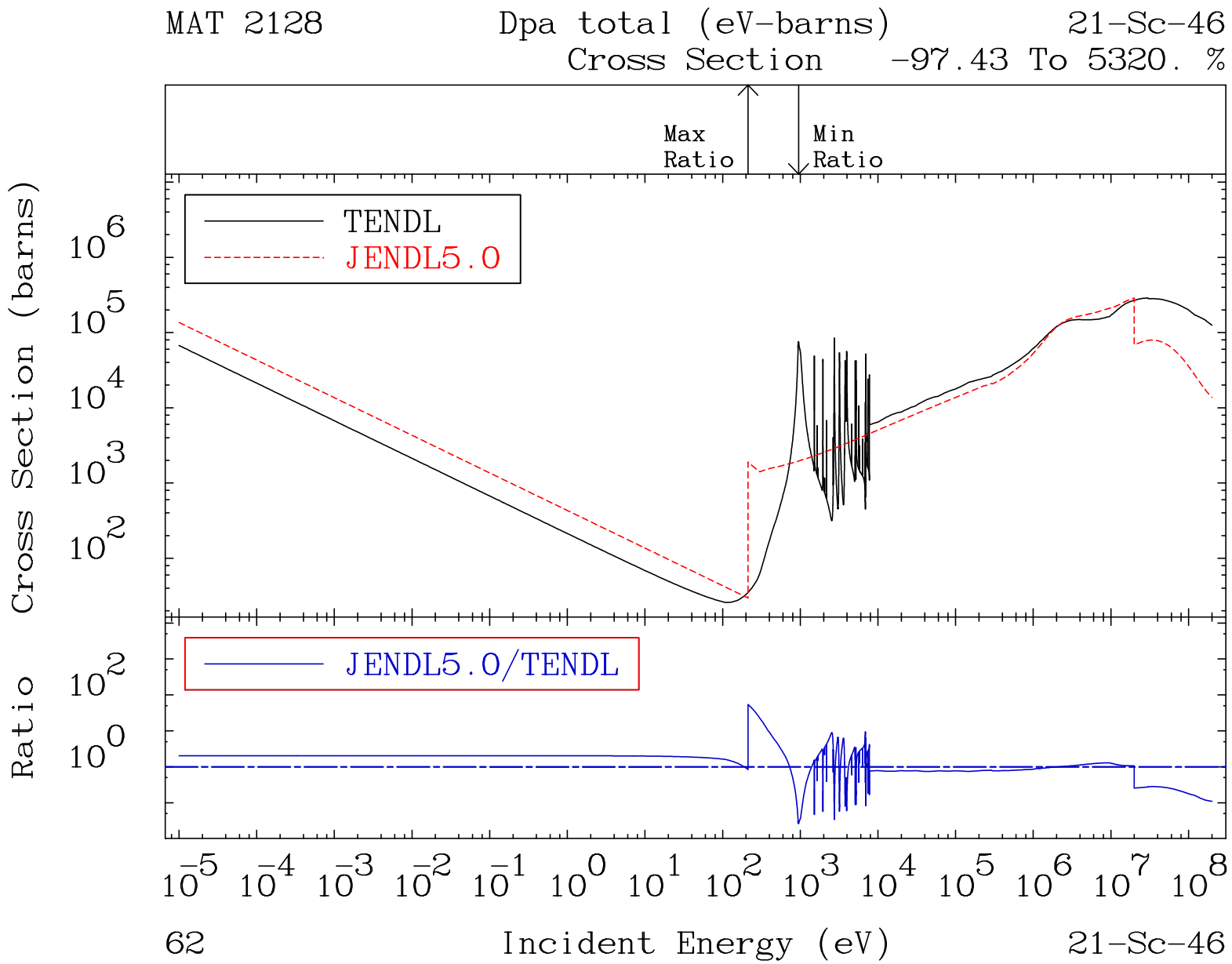

MAT 2128
Kerma inelastic (mt51-91)
21-Sc-46
Cross Section -100.0 To 1846. %
Max Ratio
Min Ratio
TENDL Threshold 53.152 keV
JENDL5.0 Threshold 53.152 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
21-Sc-46

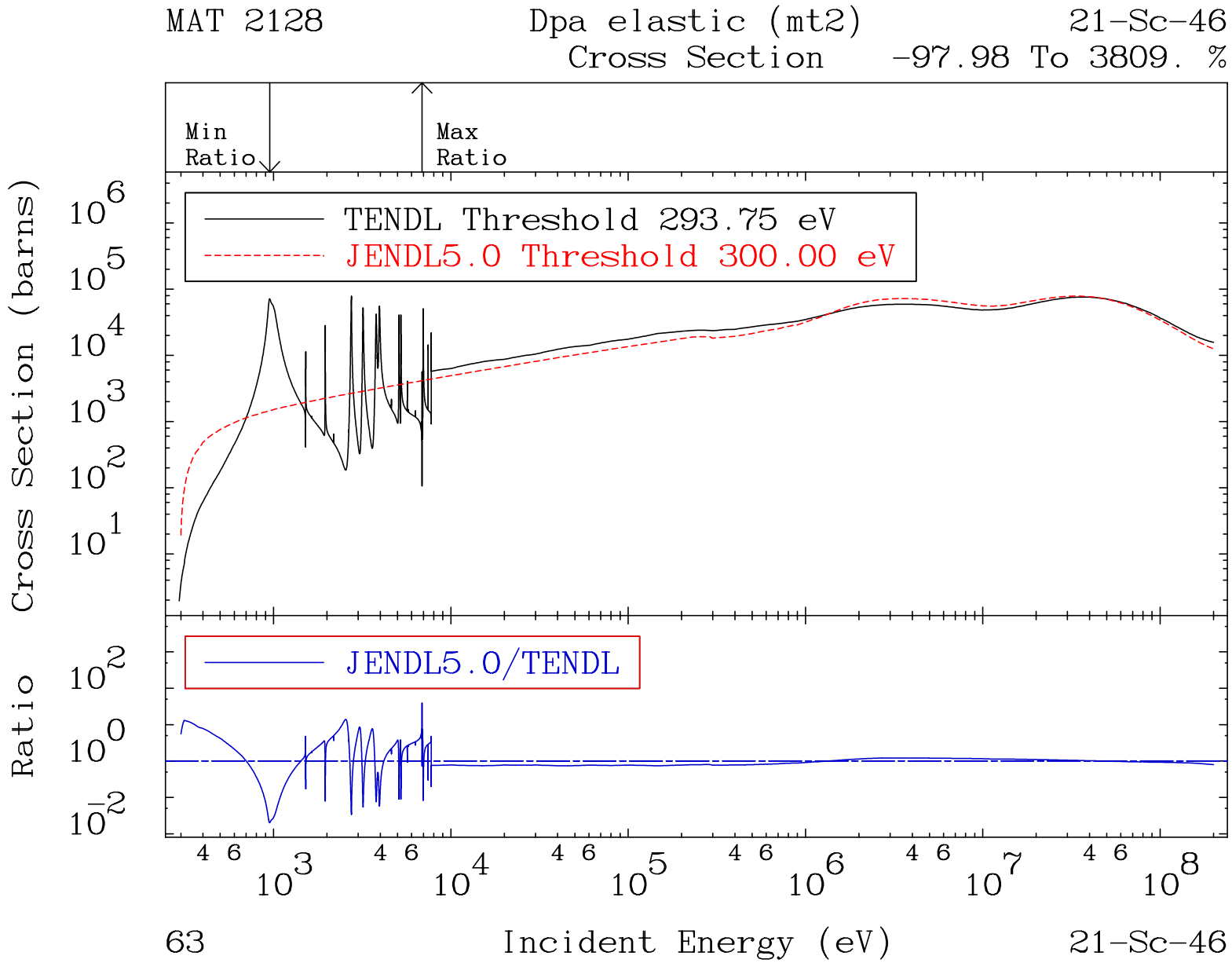

MAT 2128 Kerma fission (mt18 or mt19-20-21-38) 21-Sc-46
Cross Section -100.0 To 1846. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
30
20
10
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
58
Incident Energy (eV)
21-Sc-46

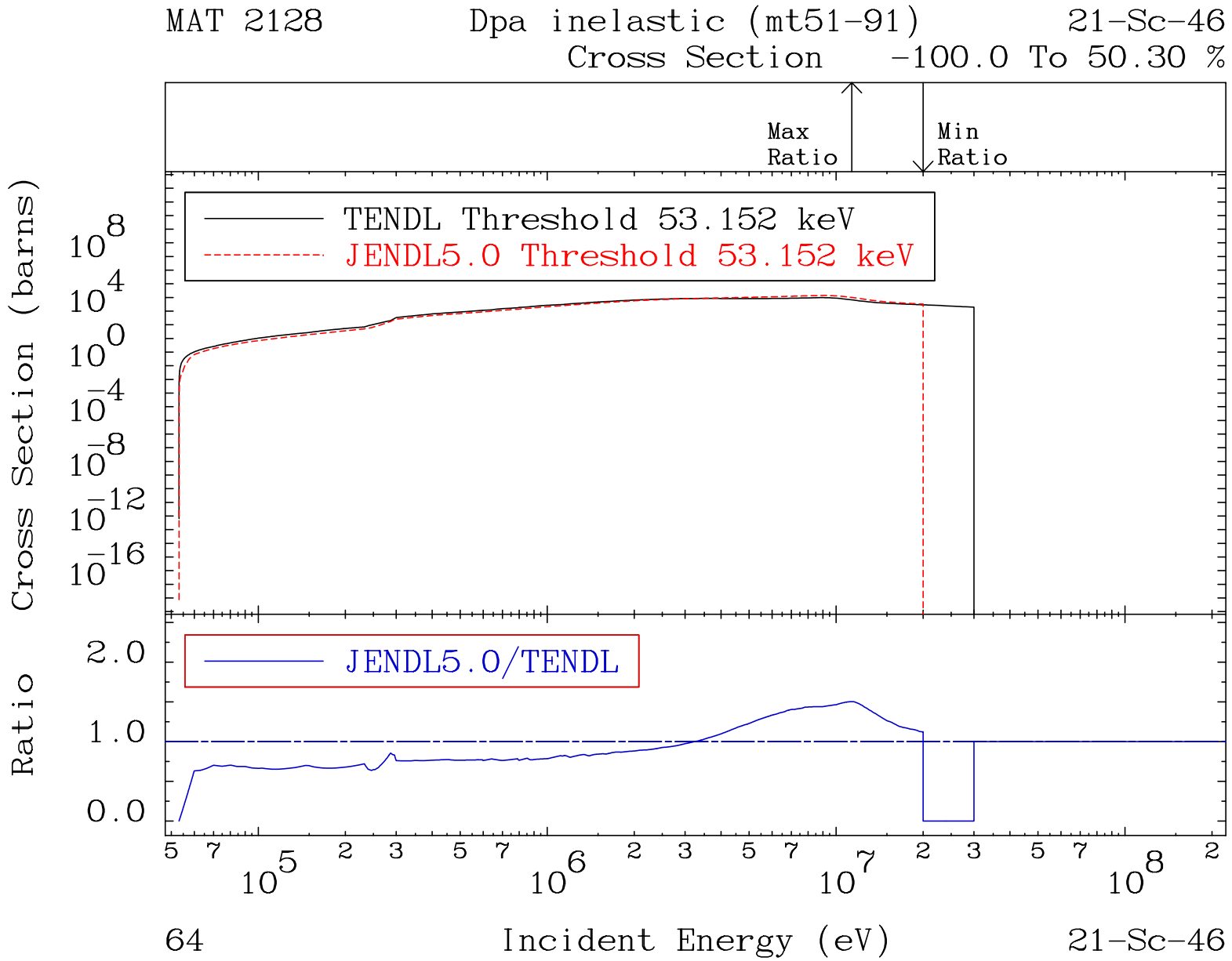

MAT 2128
Kerma capture (mt102)
21-Sc-46
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
59
21-Sc-46

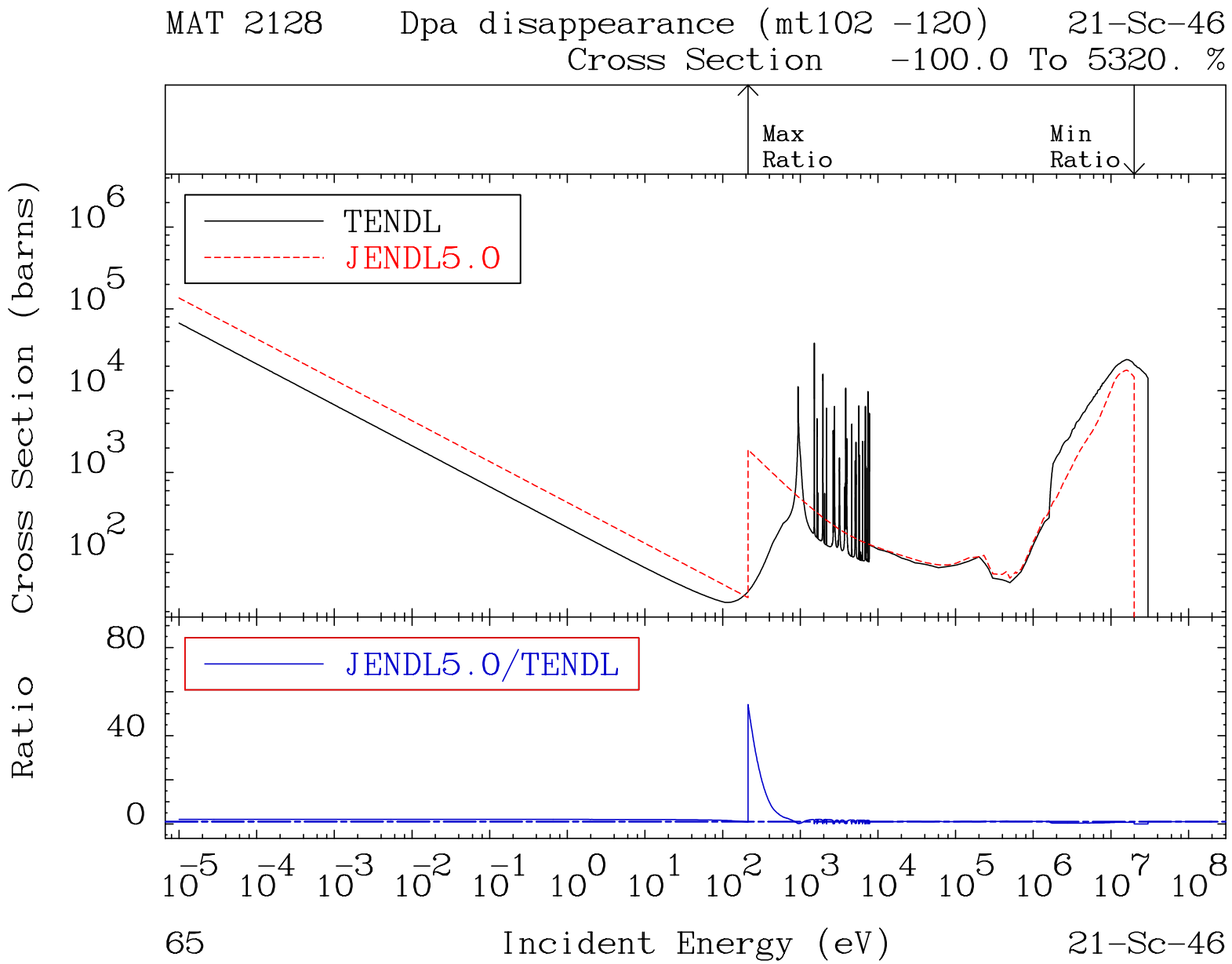

MAT 2128
Total photon (eV-barns)
21-Sc-46
Cross Section -99.79 To 4758. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
21-Sc-46

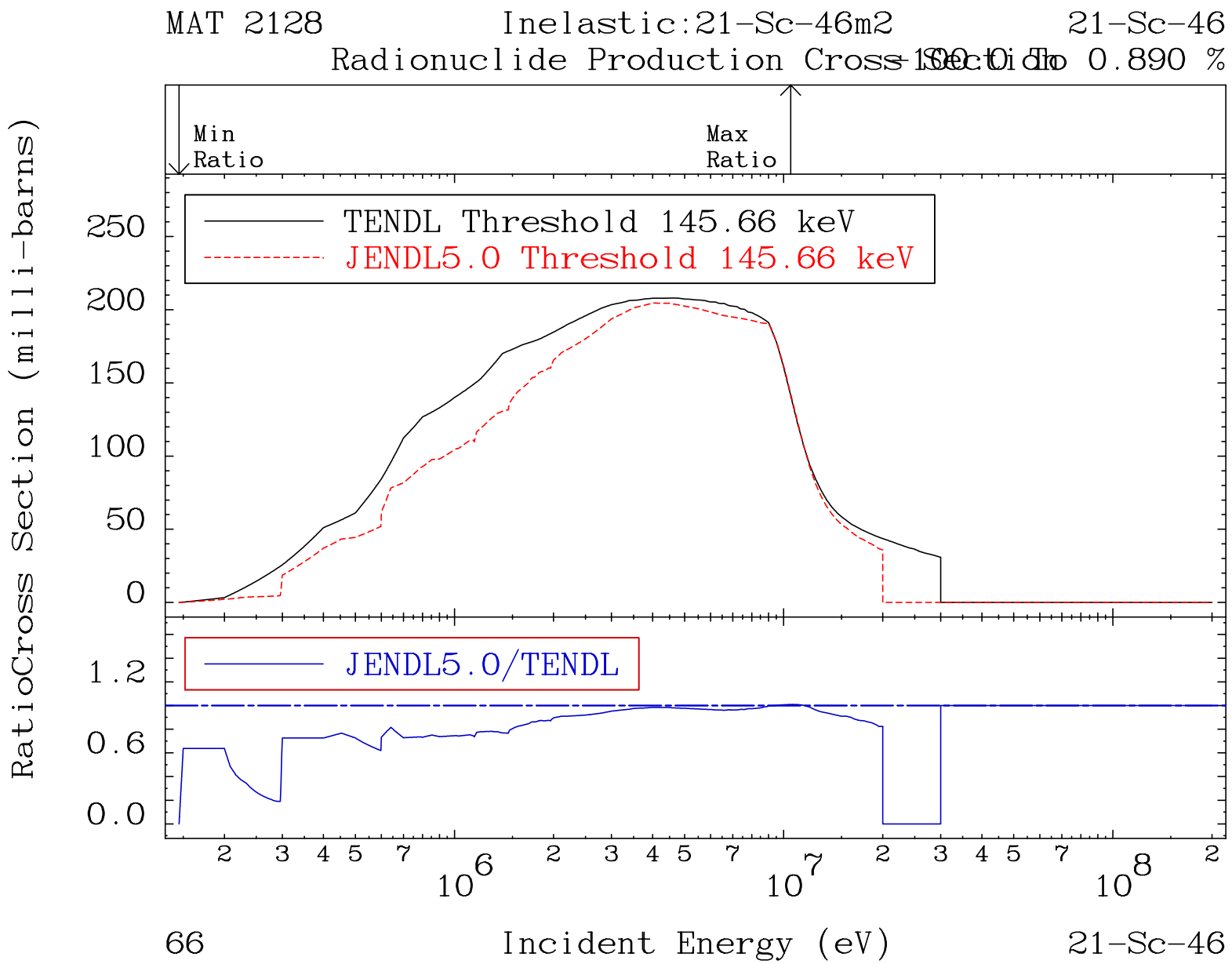

MAT 2128 Total kinematic kerma (high limit) 21-Sc-46
Cross Section -89.16 To 4957. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
21-Sc-46

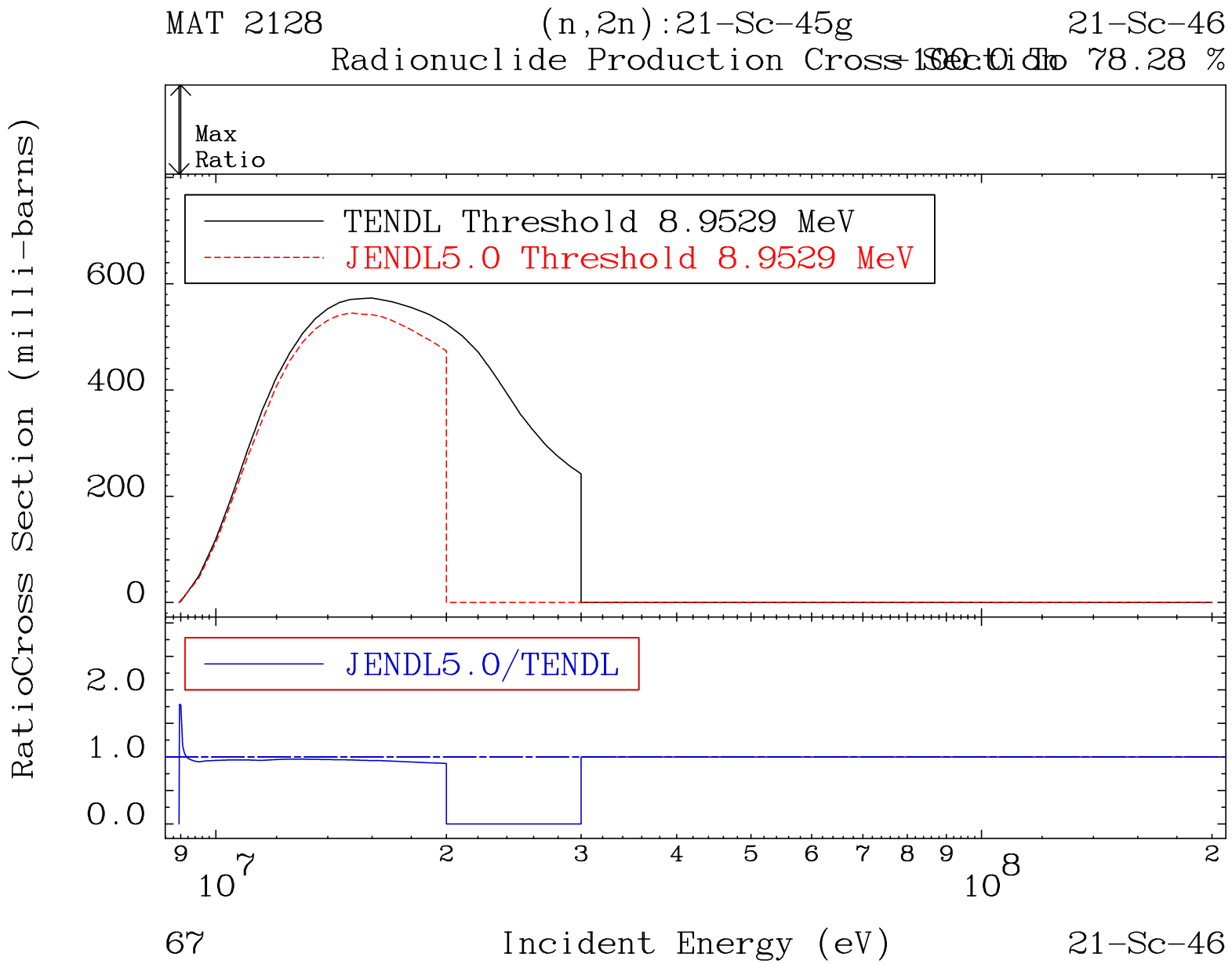

MAT 2128
Dpa total (eV-barns)
21-Sc-46
Cross Section -97.43 To 5320. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
62
21-Sc-46

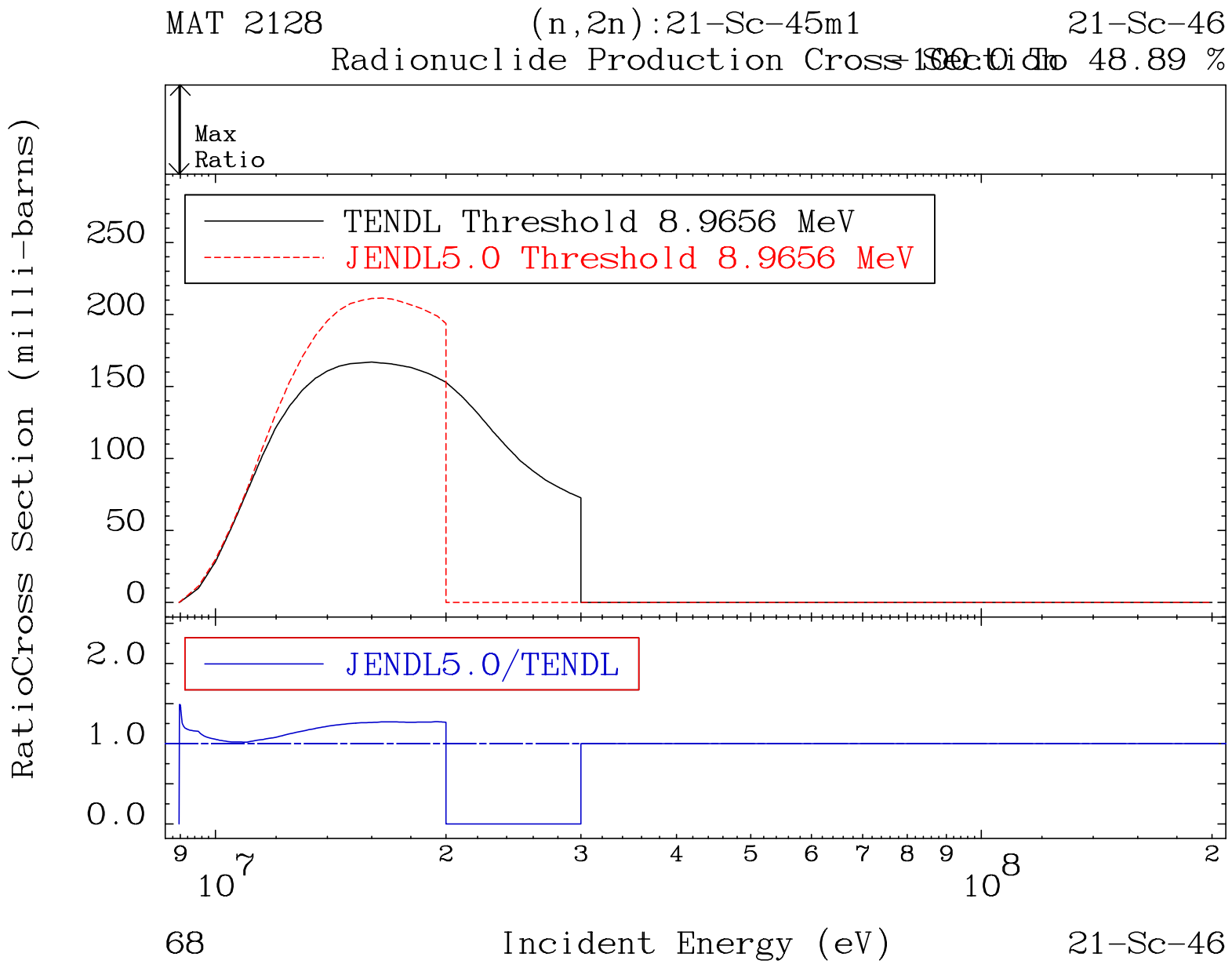

MAT 2128
Dpa elastic (mt2)
Cross Section
21-Sc-46
-97.98 To 3809. %
Min Ratio
Max Ratio
TENDL Threshold 293.75 eV
JENDL5.0 Threshold 300.00 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
21-Sc-46

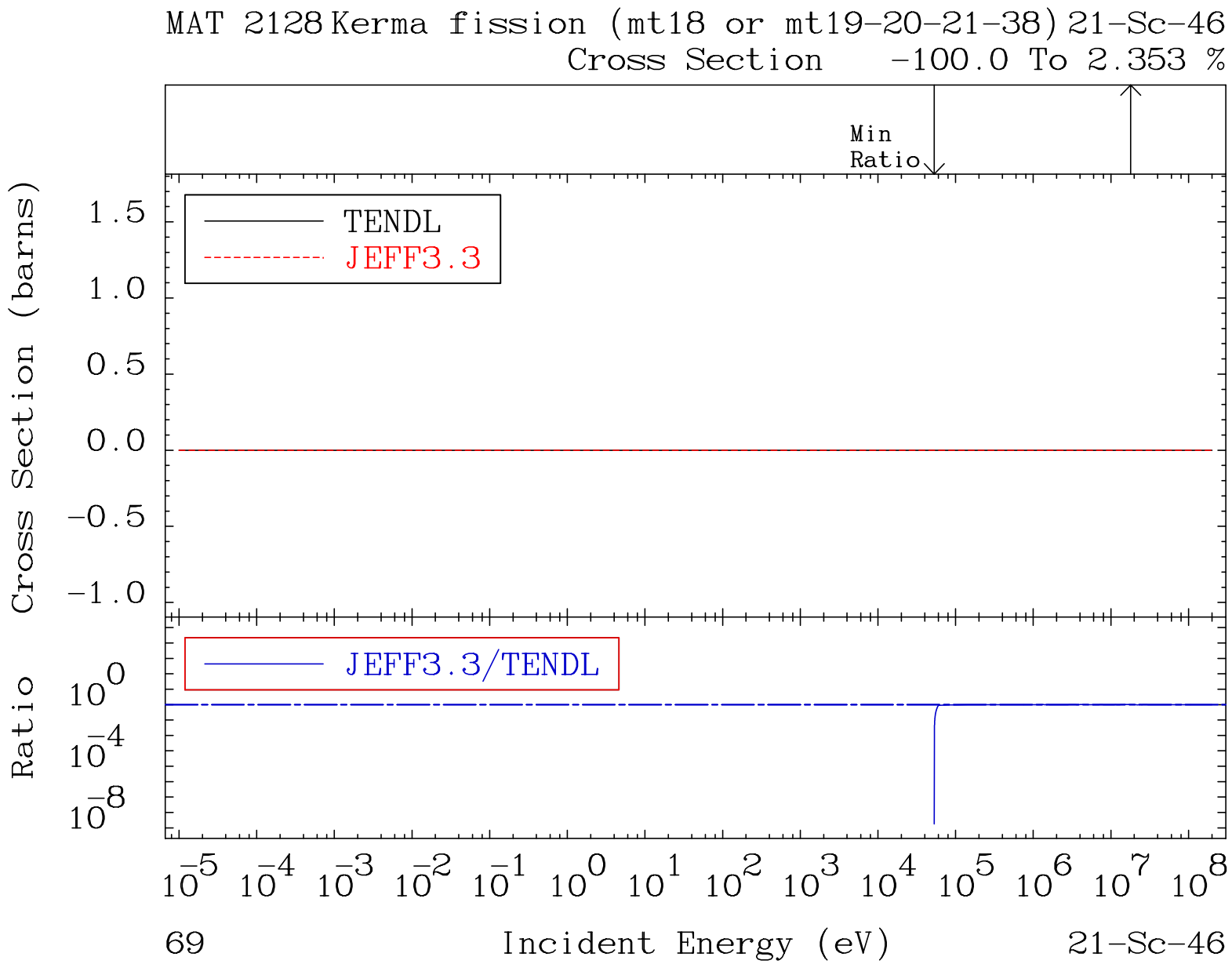

MAT 2128
Dpa inelastic (mt51-91)
21-Sc-46
Cross Section
-100.0 To 50.30 %
Max Ratio
Min Ratio
TENDL Threshold 53.152 keV
JENDL5.0 Threshold 53.152 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
64
21-Sc-46

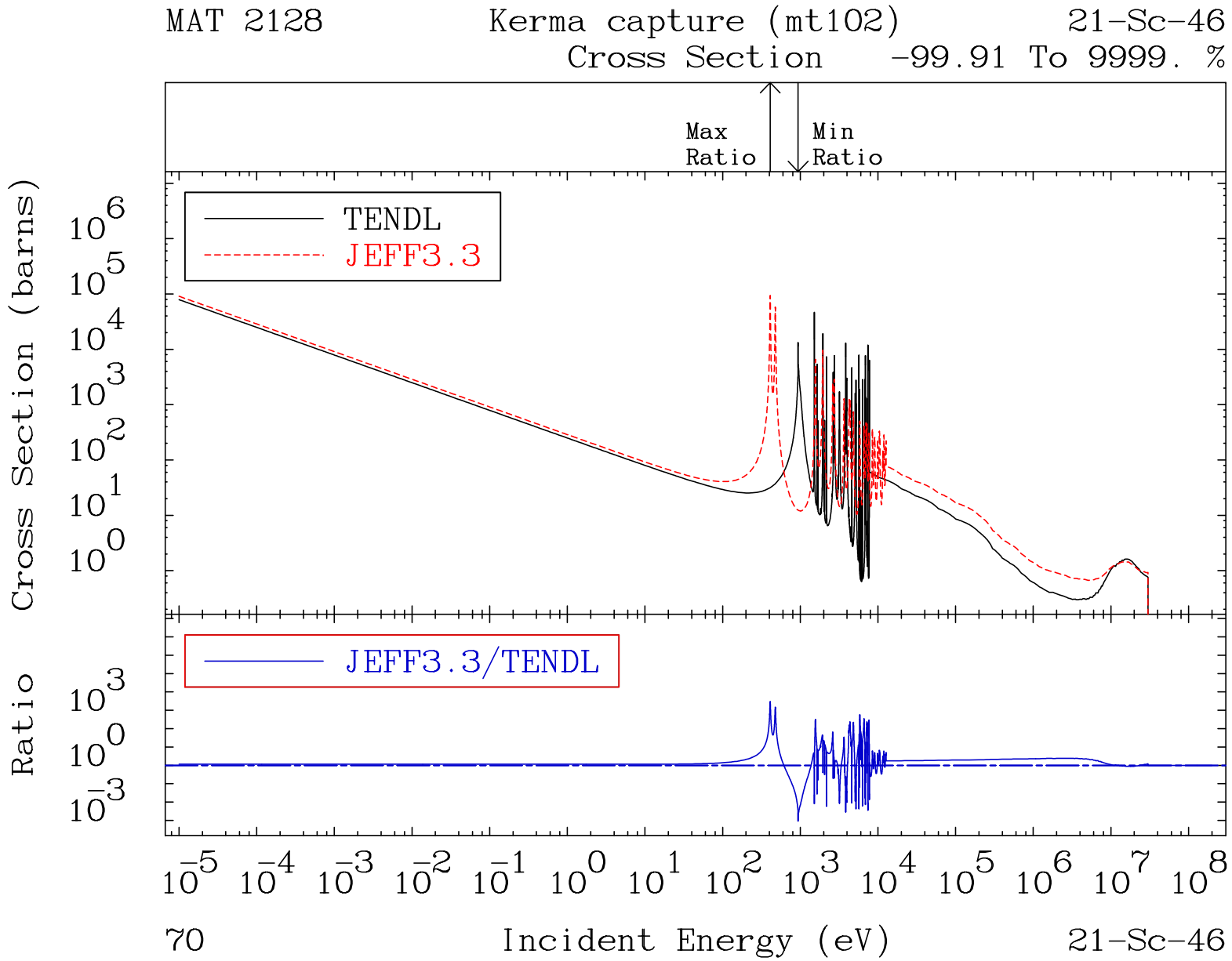

MAT 2128 Dpa disappearance (mt102 -120) 21-Sc-46
Cross Section -100.0 To 5320. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
65
21-Sc-46

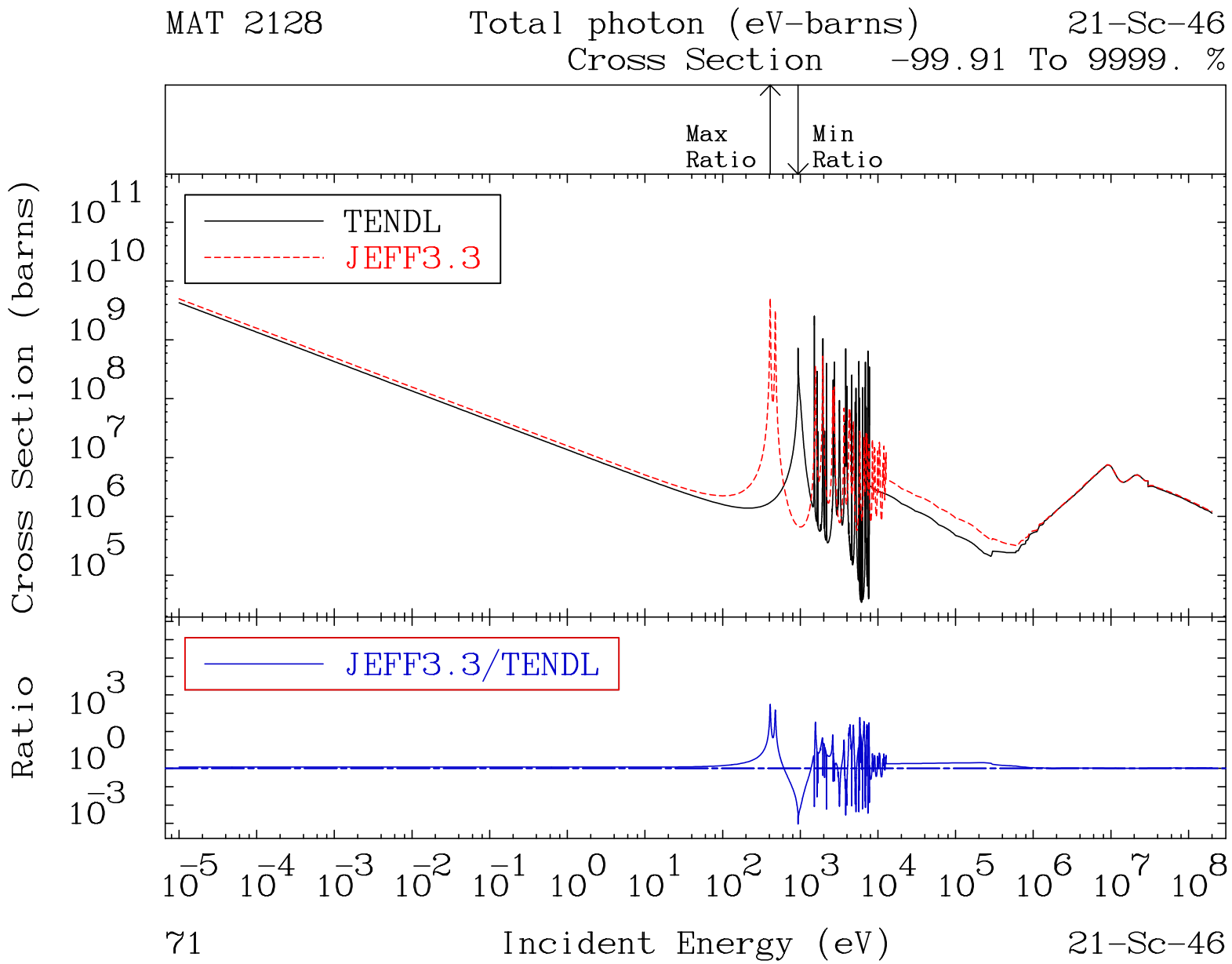

MAT 2128
Inelastic:21-Sc-46m2
21-Sc-46
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 145.66 keV
JENDL5.0 Threshold 145.66 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
66
21-Sc-46

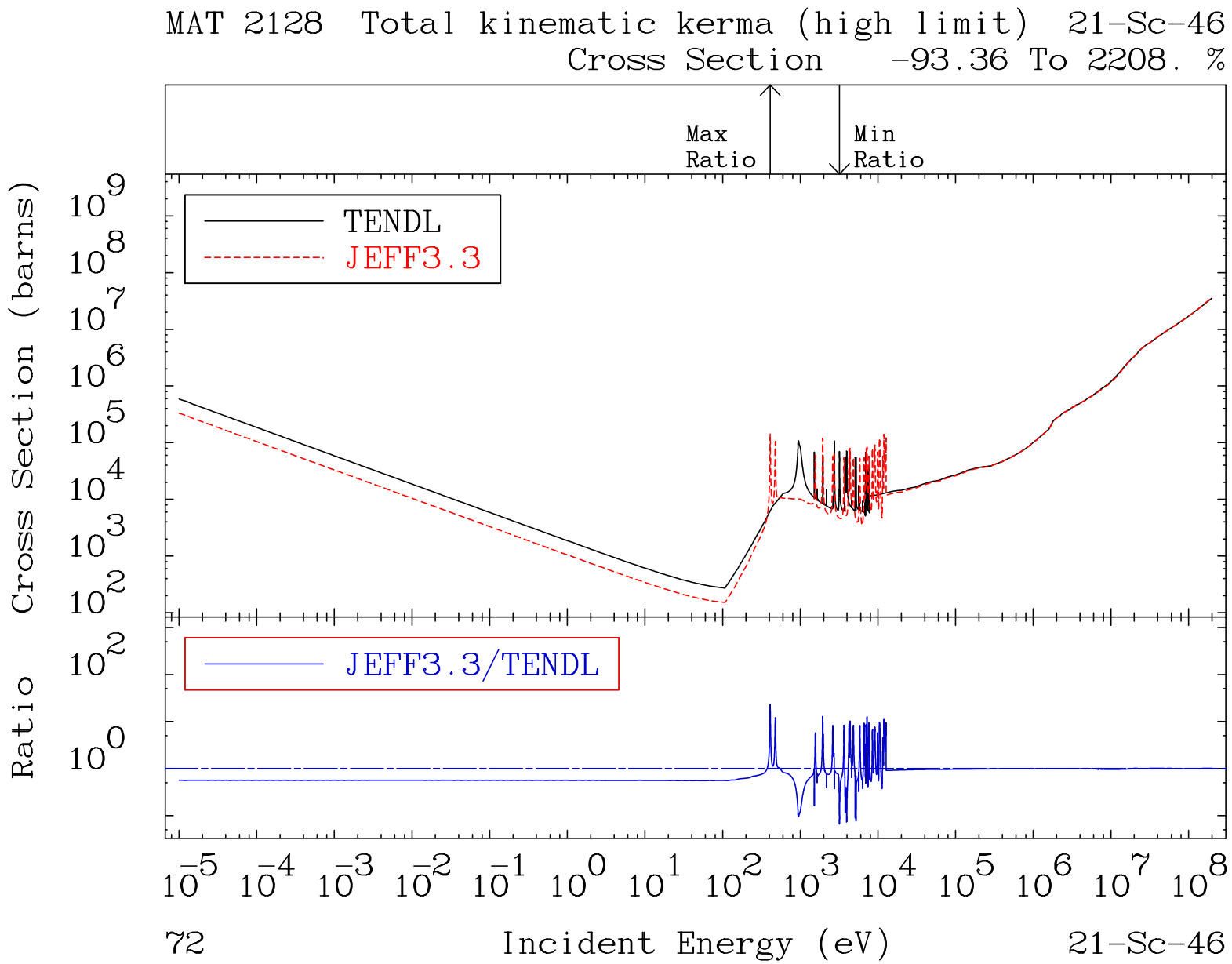

MAT 2128
(n,2n):21-Sc-45g
21-Sc-46
Radionuclide Production Cross Section To 78.28 %
Max
Ratio
TENDL Threshold 8.9529 MeV
JENDL5.0 Threshold 8.9529 MeV
600
400
200
0
JENDL5.0/TENDL
2.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (milli-barns)
67
Incident Energy (eV)
21-Sc-46

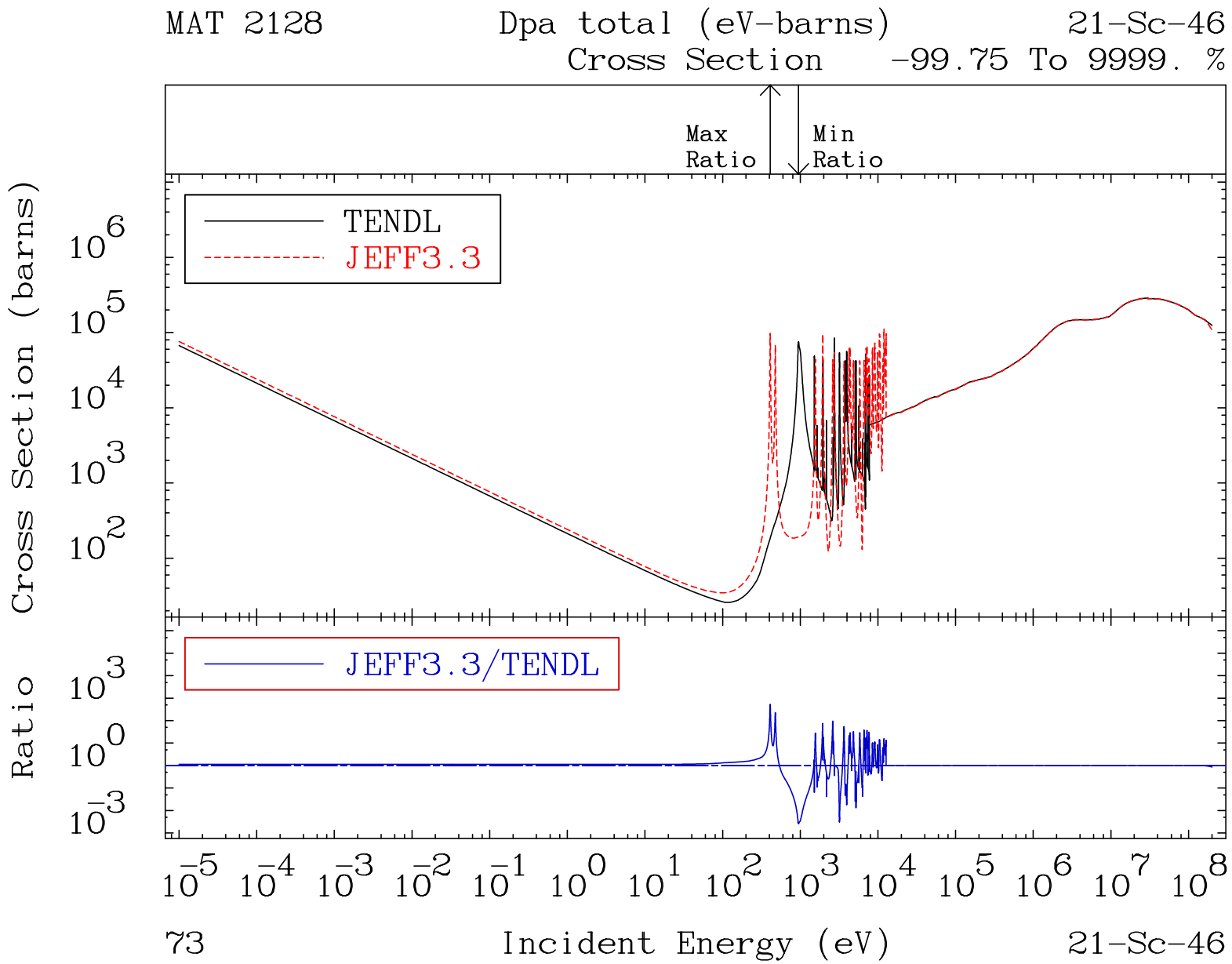

MAT 2128
(n,2n):21-Sc-45m1
21-Sc-46
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 8.9656 MeV
JENDL5.0 Threshold 8.9656 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
2.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
68
Incident Energy (eV)
21-Sc-46

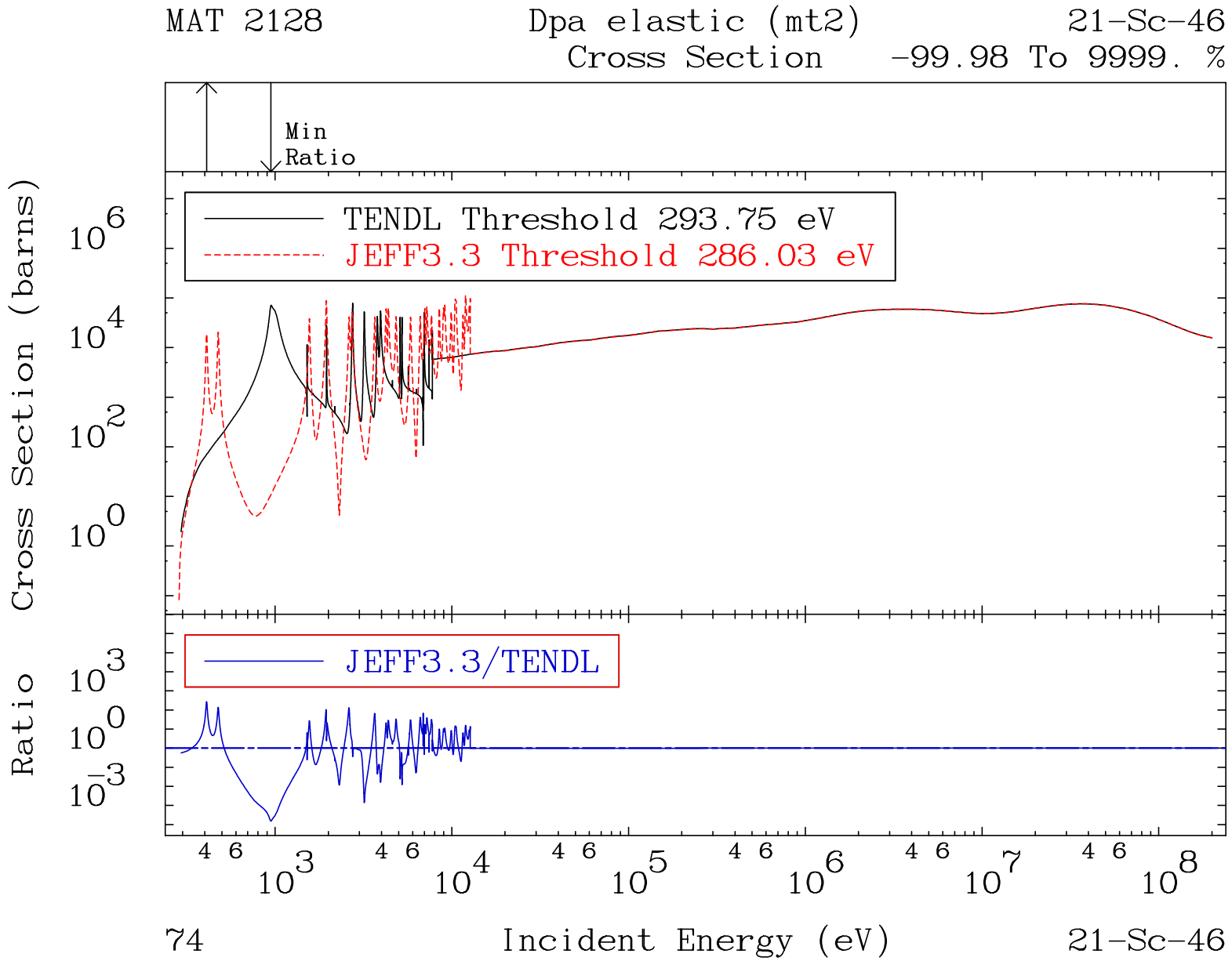

MAT 2128 Kerma fission (mt18 or mt19-20-21-38) 21-Sc-46
Cross Section -100.0 To 2.353 %
Min
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{0}
10^{-4}
10^{-8}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
69
Incident Energy (eV)
21-Sc-46

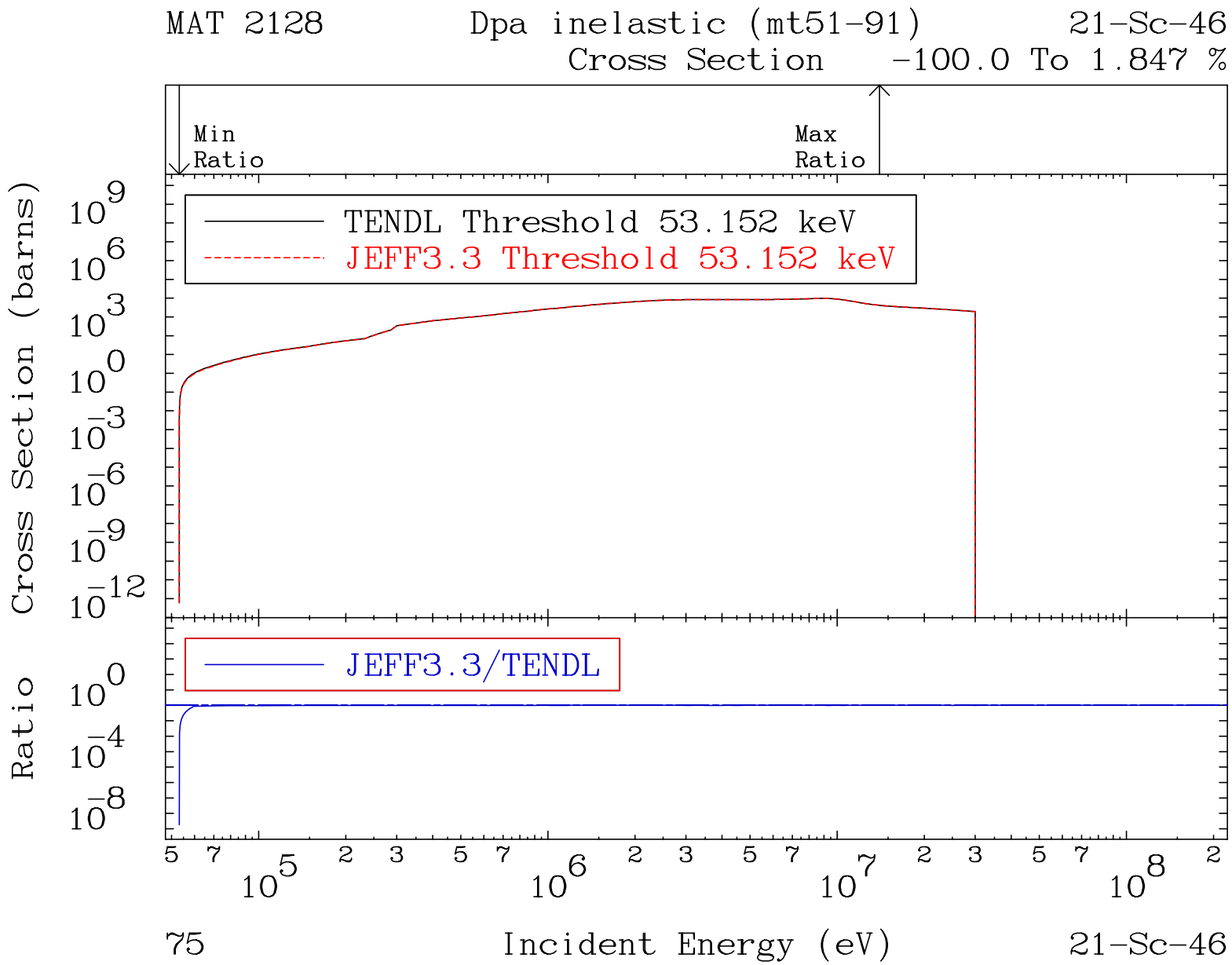

MAT 2128
Kerma capture (mt102)
21-Sc-46
Cross Section -99.91 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
70
21-Sc-46

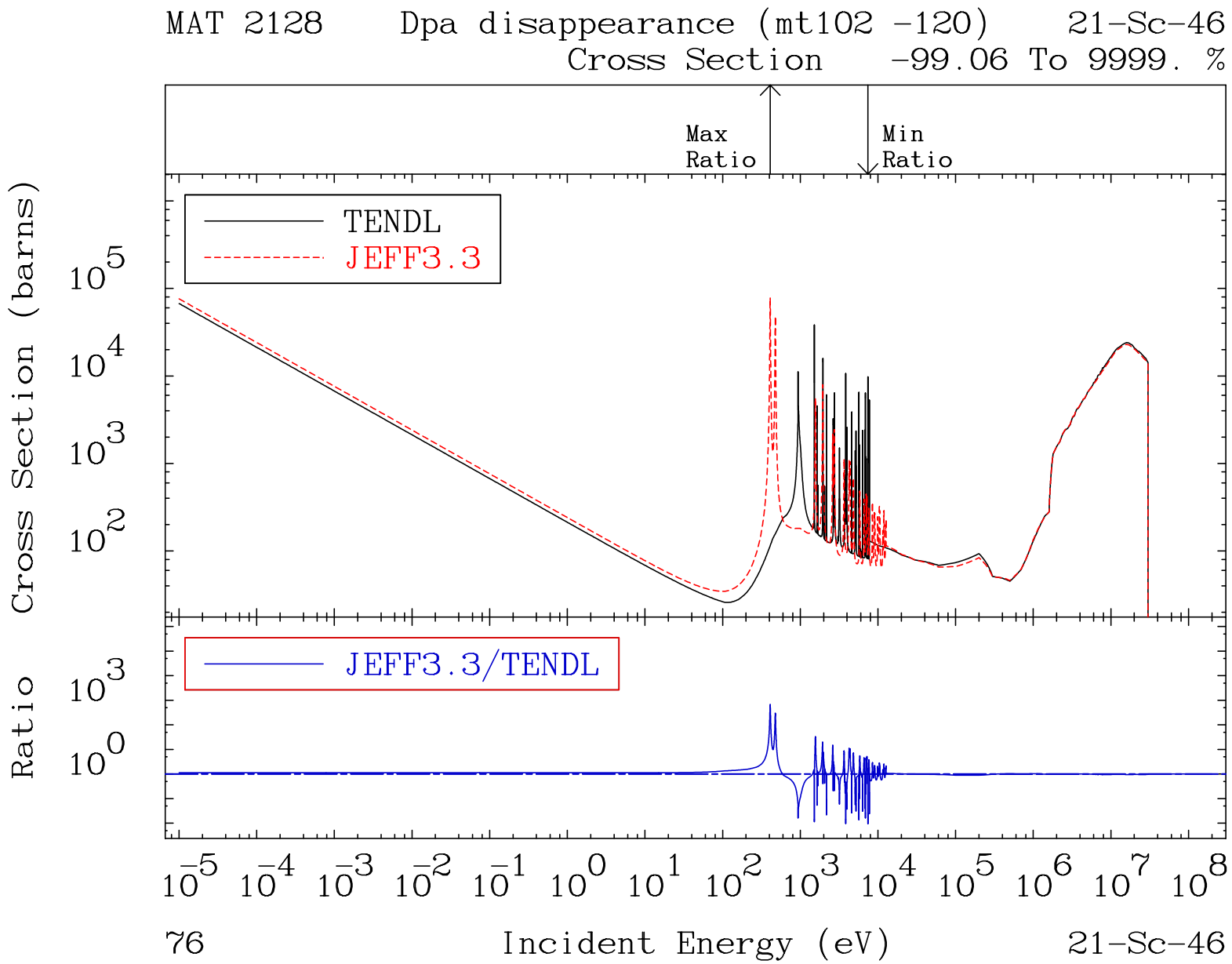

MAT 2128
Total photon (eV-barns)
21-Sc-46
Cross Section -99.91 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
71
21-Sc-46

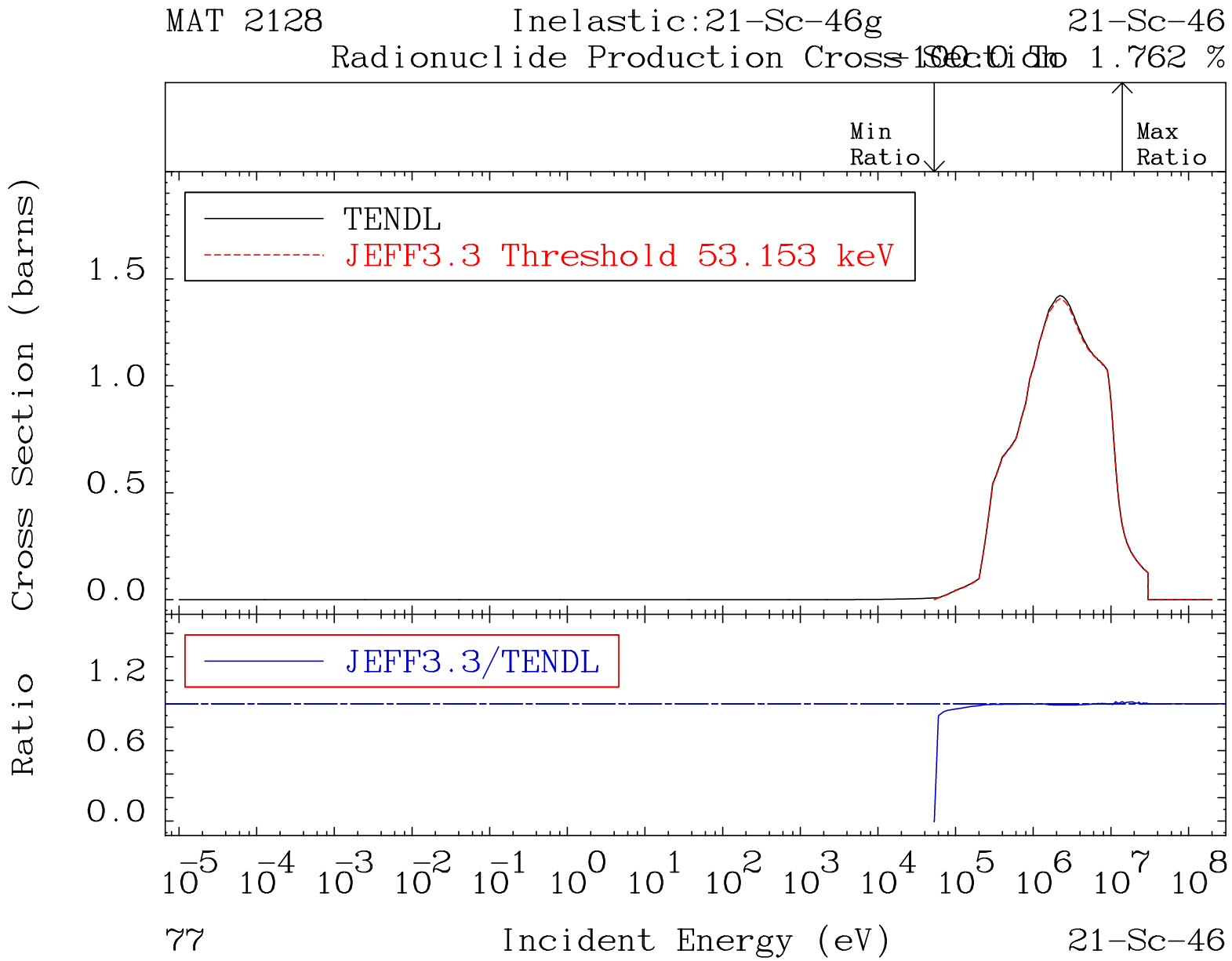

MAT 2128 Total kinematic kerma (high limit) 21-Sc-46
Cross Section -93.36 To 2208. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
72
21-Sc-46

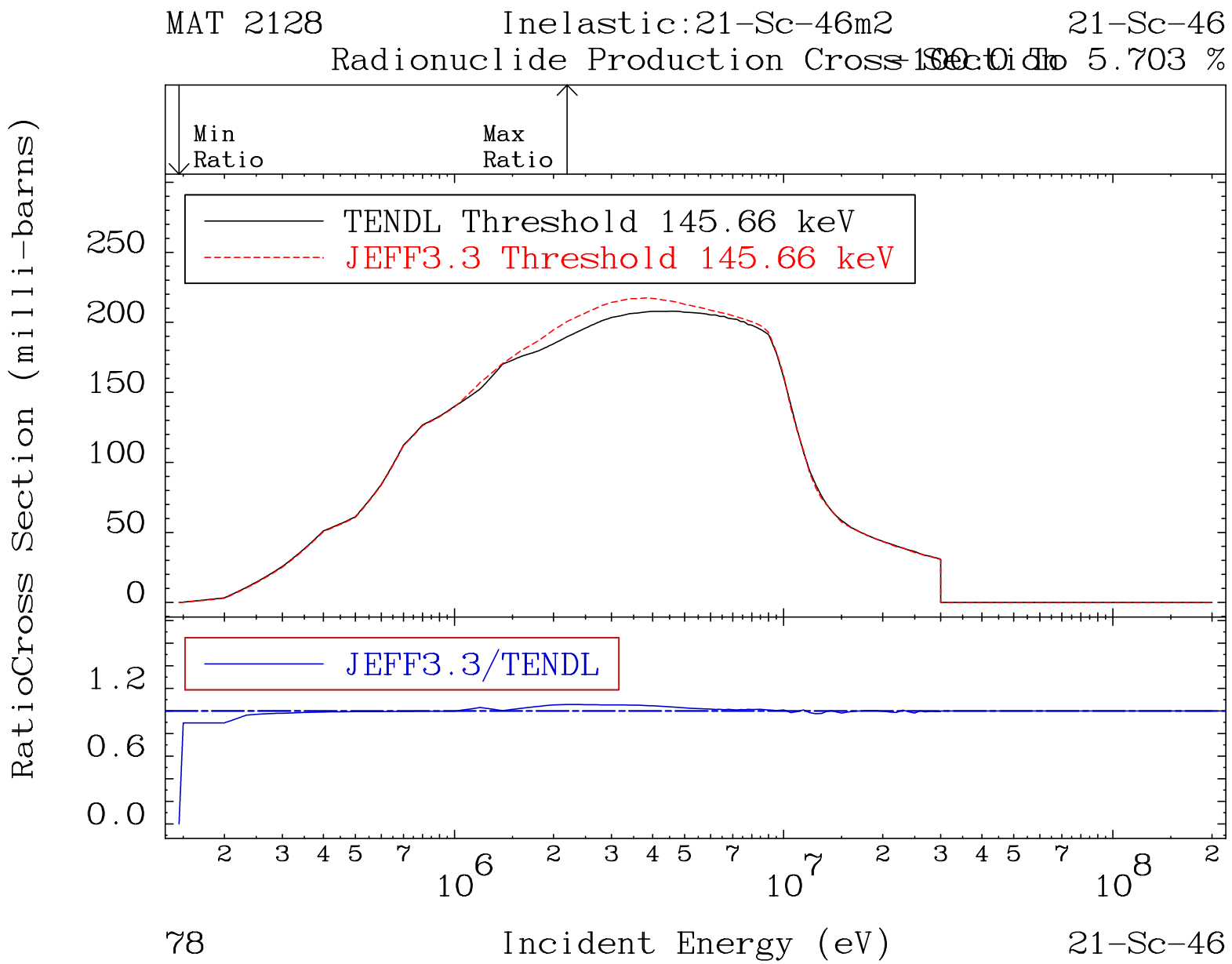

MAT 2128
Dpa total (eV-barns)
21-Sc-46
Cross Section
-99.75 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
73
21-Sc-46

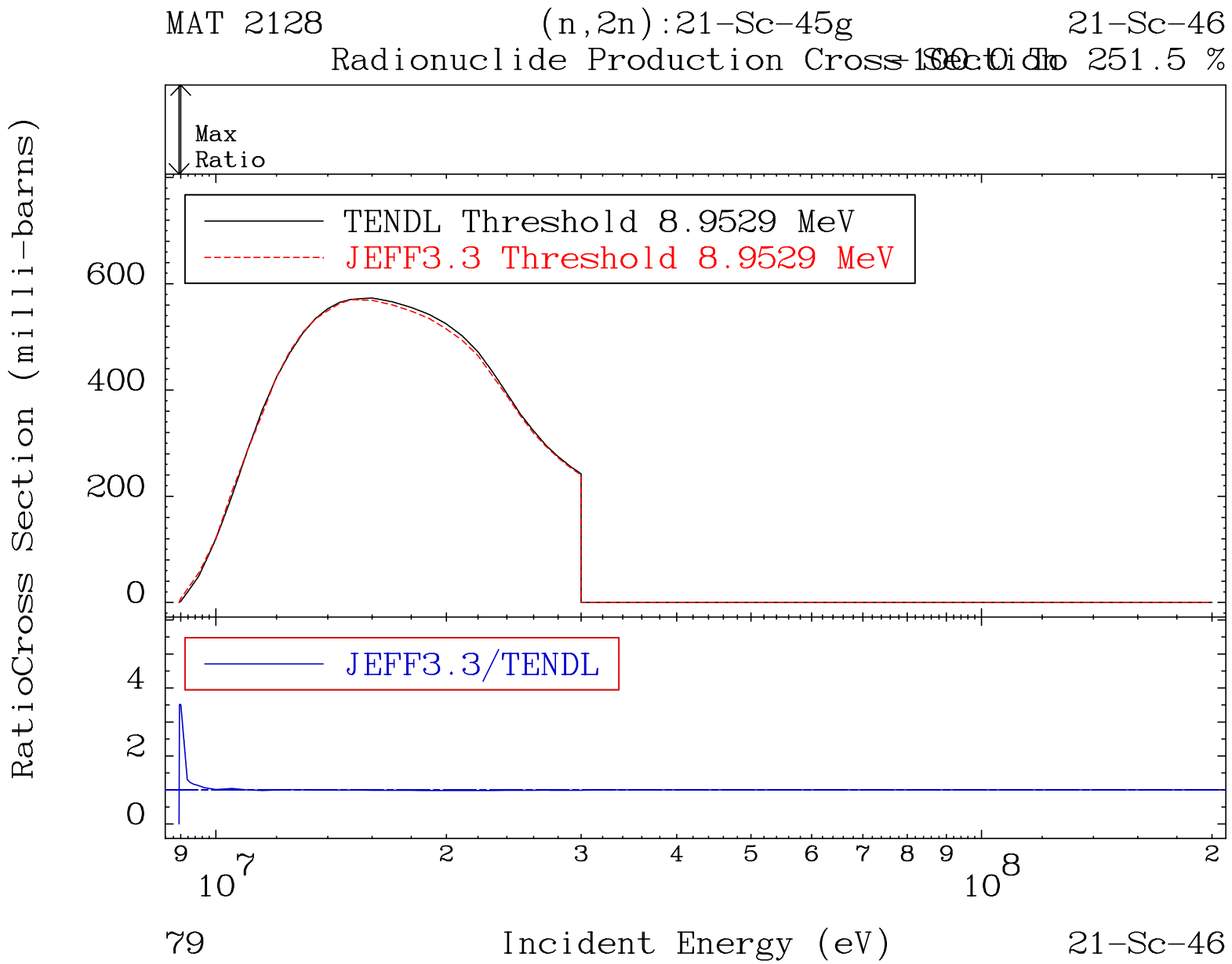

MAT 2128
Dpa elastic (mt2)
Cross Section
21-Sc-46
-99.98 To 9999. %
Min
Ratio
TENDL Threshold 293.75 eV
JEFF3.3 Threshold 286.03 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
74
21-Sc-46

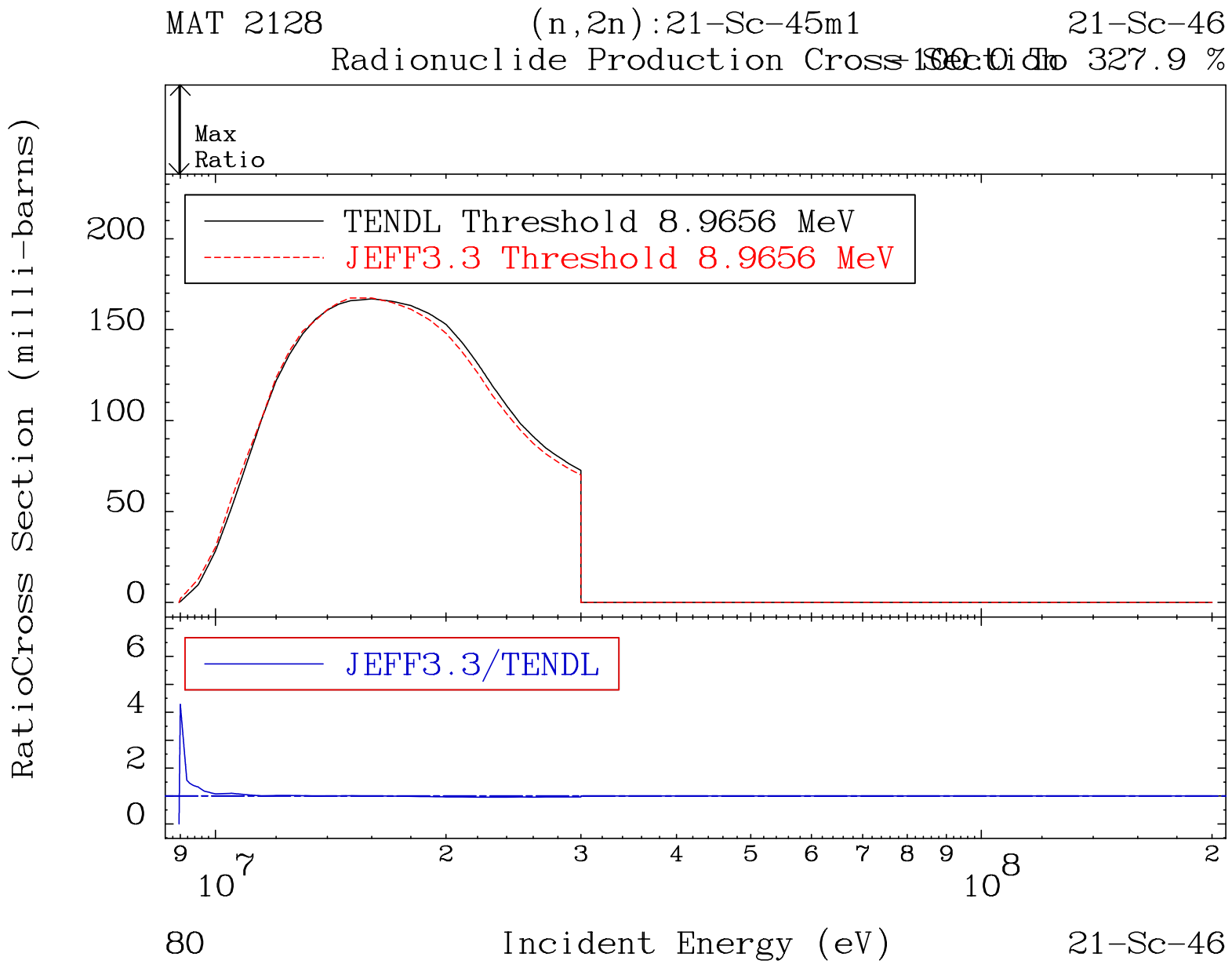

MAT 2128
Dpa inelastic (mt51-91)
21-Sc-46
Cross Section -100.0 To 1.847 %
Min Ratio
Max Ratio
TENDL Threshold 53.152 keV
JEFF3.3 Threshold 53.152 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
75
21-Sc-46

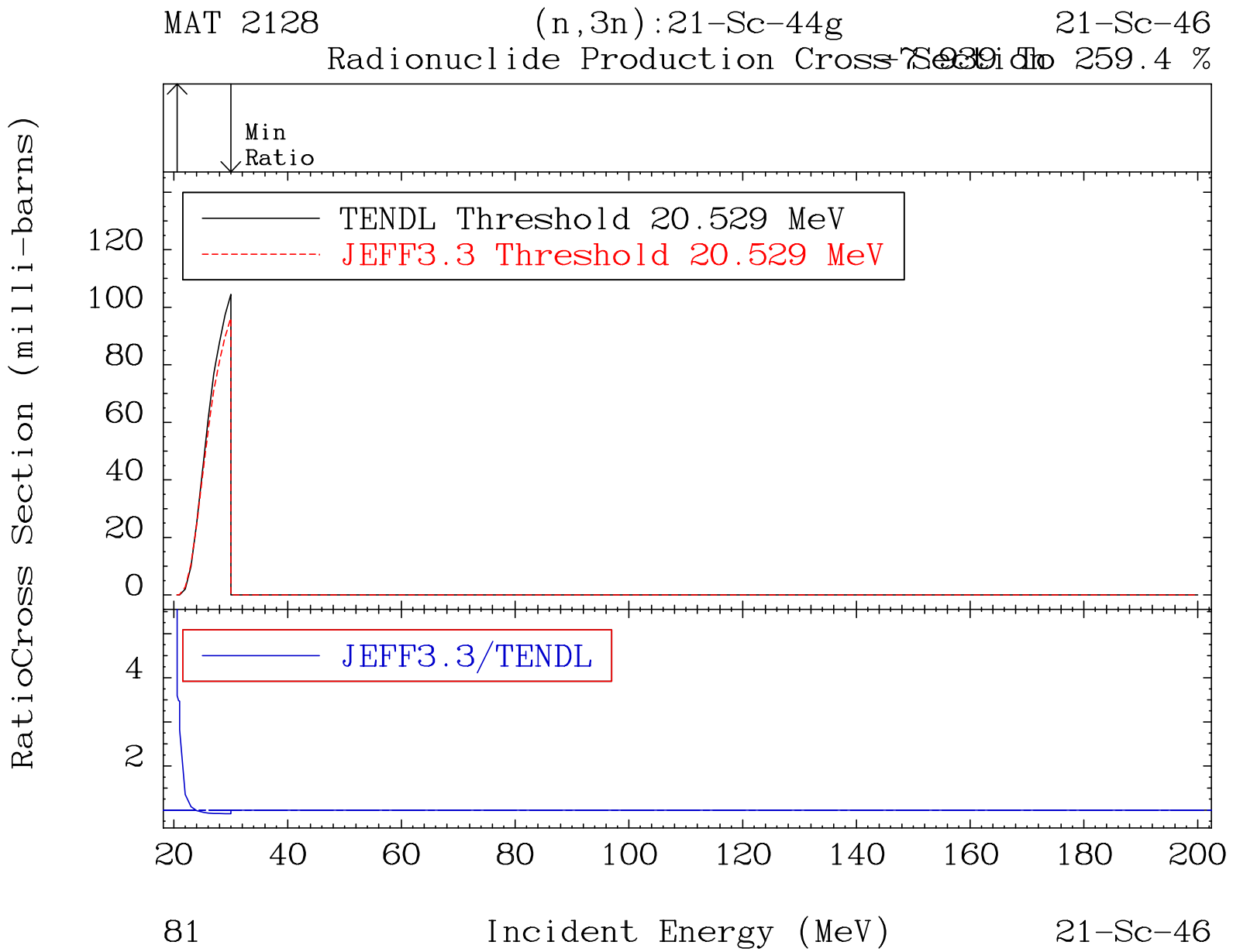

MAT 2128 Dpa disappearance (mt102 -120) 21-Sc-46
Cross Section -99.06 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
76
21-Sc-46

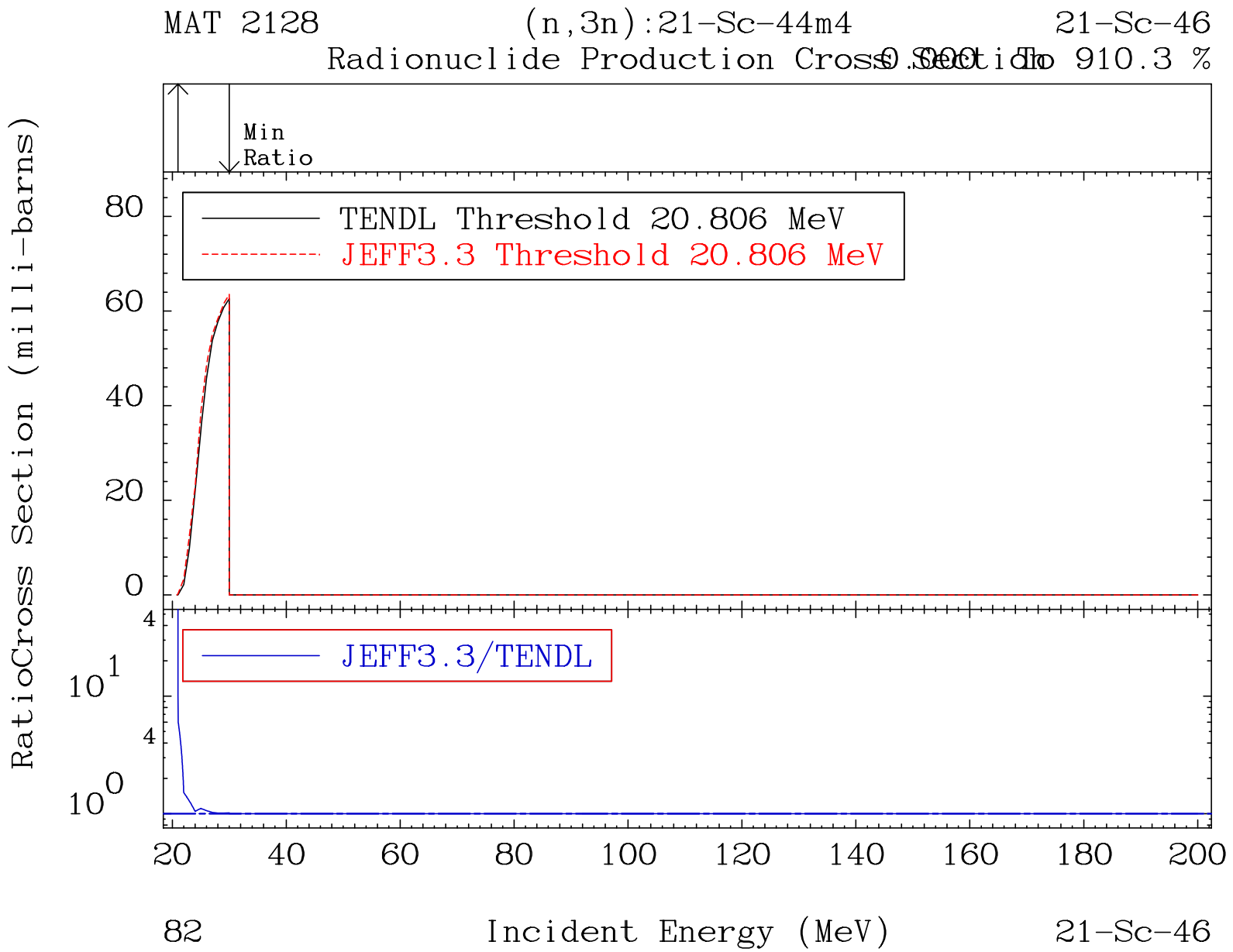

MAT 2128
Inelastic:21-Sc-46g
21-Sc-46
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL
JEFF3.3 Threshold 53.153 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
1.2
0.6
0.0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
77
Incident Energy (eV)
21-Sc-46

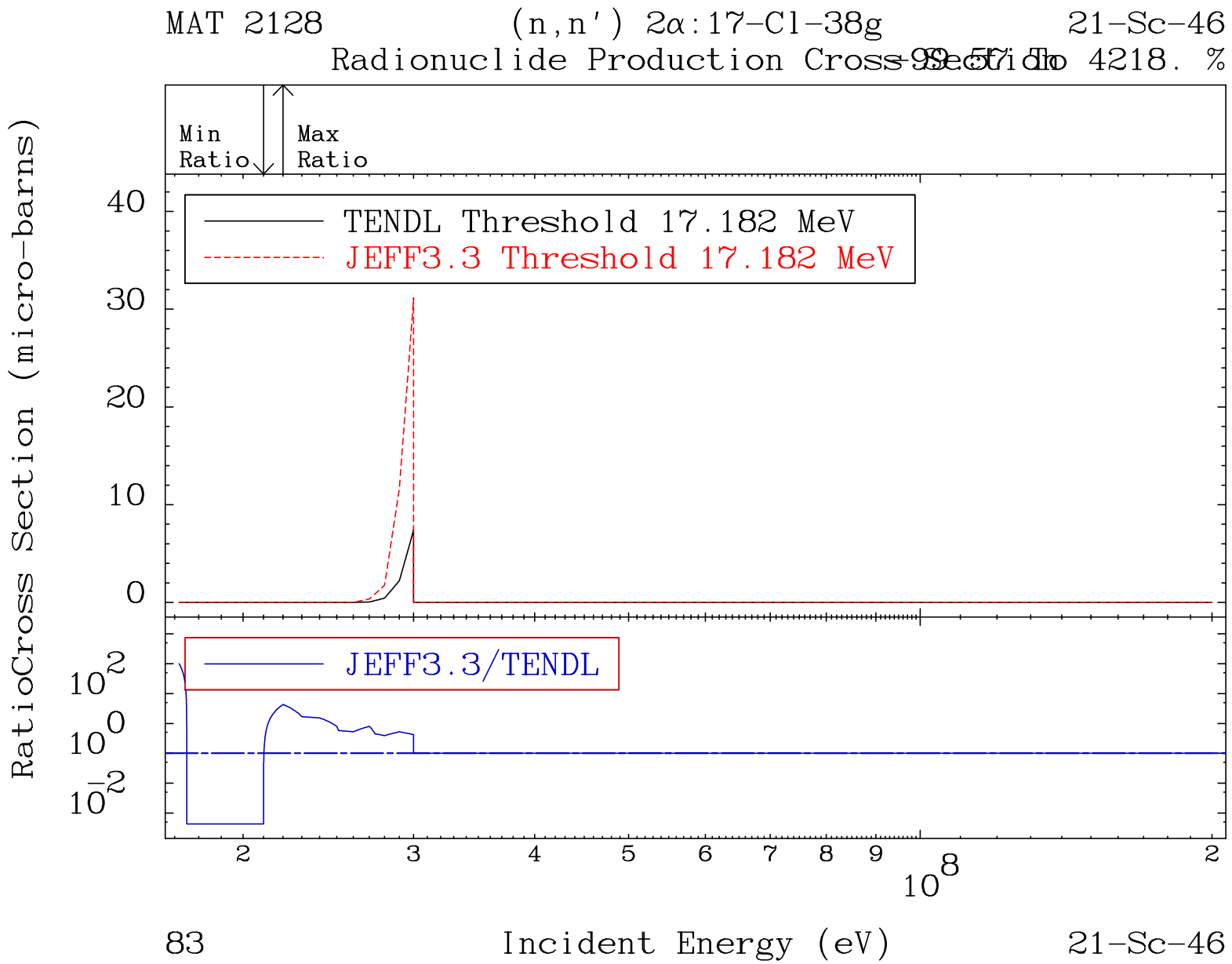

MAT 2128
Inelastic:21-Sc-46m2
21-Sc-46
Radionuclide Production Cross Section To 5.703 %
Min Ratio
Max Ratio
TENDL Threshold 145.66 keV
JEFF3.3 Threshold 145.66 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
1.2
0.6
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
78
Incident Energy (eV)
21-Sc-46

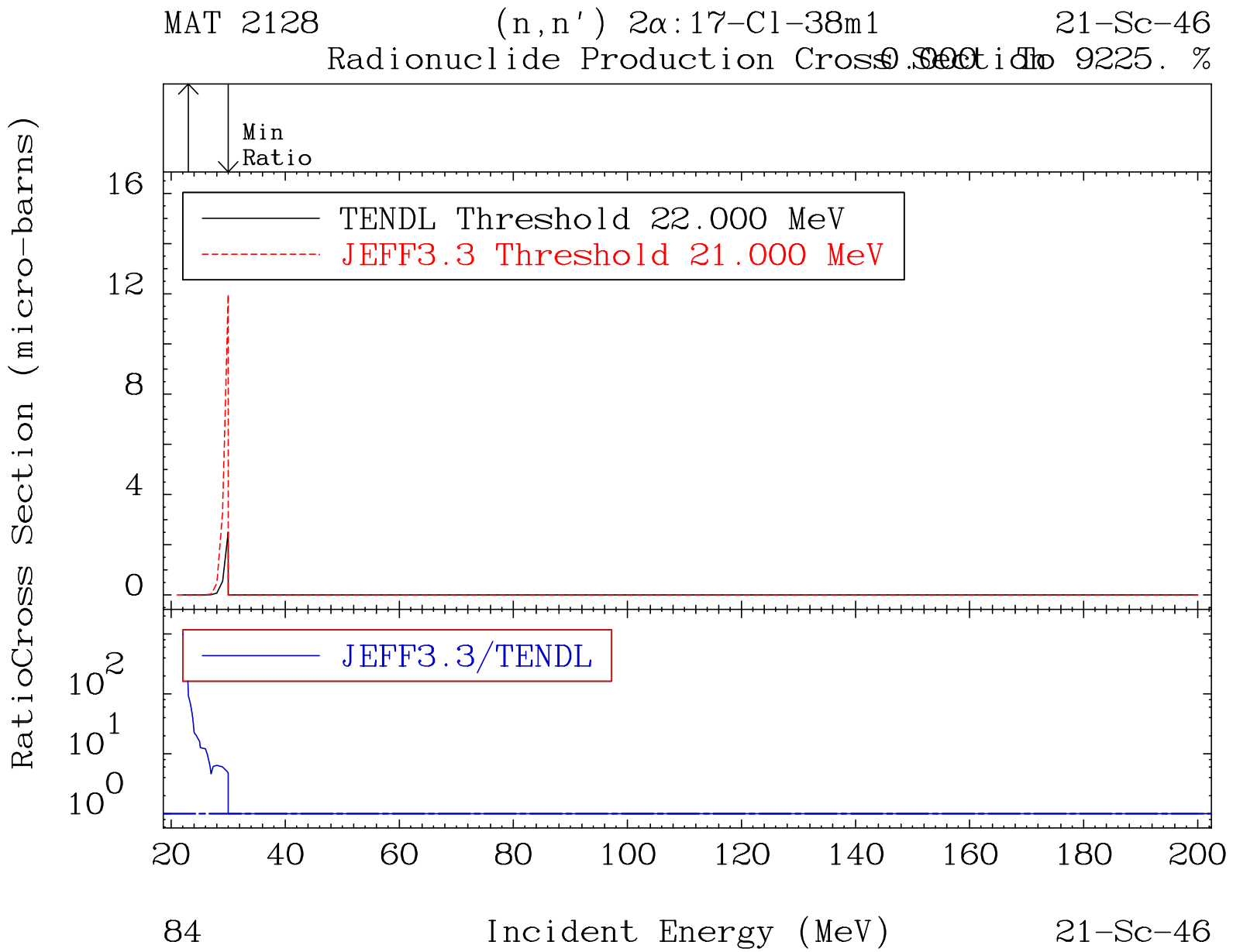

MAT 2128
(n,2n):21-Sc-45g
21-Sc-46
Radionuclide Production Cross Section To 251.5 %
Max
Ratio
TENDL Threshold 8.9529 MeV
JEFF3.3 Threshold 8.9529 MeV
600
400
200
0
JEFF3.3/TENDL
4
2
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (milli-barns)
79
Incident Energy (eV)
21-Sc-46


MAT 2128
(n,2n):21-Sc-45m1
21-Sc-46
Radionuclide Production Cross Section To 327.9 %
Max
Ratio
TENDL Threshold 8.9656 MeV
JEFF3.3 Threshold 8.9656 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
6
4
2
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
80
Incident Energy (eV)
21-Sc-46


MAT 2128
(n,3n):21-Sc-44g
21-Sc-46
Radionuclide Production Cross Section
Min
Ratio
TENDL Threshold 20.529 MeV
JEFF3.3 Threshold 20.529 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
4
2
20
40
60
80
100
120
140
160
180
200
81
Incident Energy (MeV)
21-Sc-46


MAT 2128
(n,3n):21-Sc-44m4
21-Sc-46
Radionuclide Production Cross Section
0.000 To 910.3 %
Min
Ratio
TENDL Threshold 20.806 MeV
JEFF3.3 Threshold 20.806 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (MeV)
82
21-Sc-46


MAT 2128
(n,n') 2α:17-Cl-38g
21-Sc-46
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 17.182 MeV
JEFF3.3 Threshold 17.182 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
83
21-Sc-46


MAT 2128 (n,n') 2α:17-Cl-38m1 21-Sc-46
Radionuclide Production Cross Section 0.000 To 9225. %
Min
Ratio
TENDL Threshold 22.000 MeV
JEFF3.3 Threshold 21.000 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
16
12
8
4
0
10^2
10^1
10^0
20
40
60
80
100
120
140
160
180
200
84
Incident Energy (MeV)
21-Sc-46